WKE

Feb 08, 2022

PROJECT ID: WITH: N/A 2667-03-71

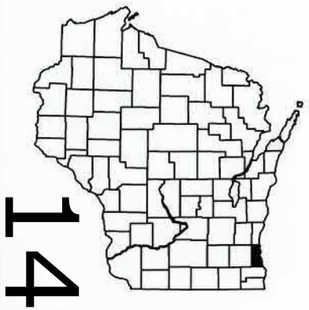
COUNTY: MILWAUKEE

14

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
~~Section No.~~	~~9~~	~~Cross Sections~~

TOTAL SHEETS = 586



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

N HUMBOLDT BLVD
E NORTH AVE TO E KEEFE AVE

LOC STR

MILWAUKEE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2667-03-71	WISC 2022166	1

ACCEPTED FOR THE CITY OF MILWAUKEE

10/21/21 (Date) COMMISSIONER OF PUBLIC WORKS

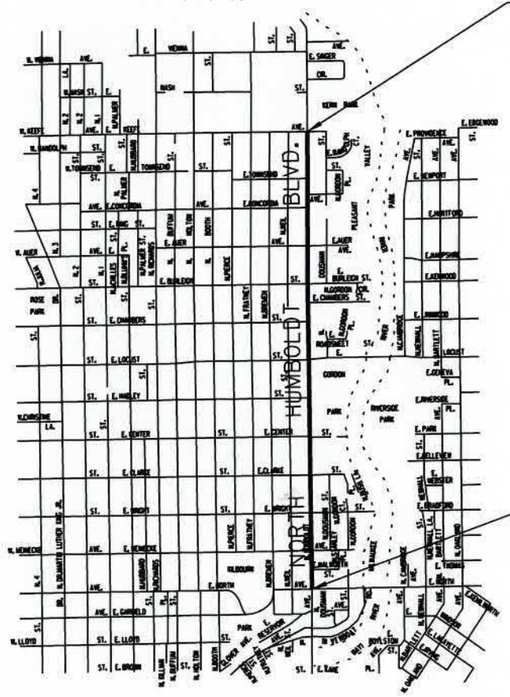
SIGNATURE BEDS, PERMANENT SIGNING, LIGHTING, TEMPORARY LIGHTING, TRAFFIC SIGNALS, TEMPORARY TRAFFIC SIGNALS, TRAFFIC INTERCONNECT, AND CITY UNDERGROUND CONDUIT PLANS PROVIDED BY CITY OF MILWAUKEE.

WISCONSIN
JERREL KRUSCHKE
43536-6
MILWAUKEE, WIS.
PROFESSIONAL ENGINEER

10/21/2021

STATE PROJECT NUMBER
2667-03-71

T-7-N



R-22-E

END PROJECT
STA. 186+14.33

BEGIN PROJECT
STA. 106+18.60
X = 2,561,751.96
Y = 393,495.73

LAYOUT
SCALE 0 1/4 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.514 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 27 SOUTH ZONE.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE CITY OF MILWAUKEE DATUM.

TO CONVERT ELEVATIONS SHOWN ON THIS PLAN TO NATIONAL GEODEDIC VERTICAL DATUM OF 1929, ADD 580.603 TO ELEVATIONS SHOWN ON THIS PLAN.

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®
126 N. JEFFERSON STREET
MILWAUKEE, WISCONSIN 53202
(414) 271-0771

WISCONSIN
ASHLEY L PRIDEMORE
E-45534
MILWAUKEE
WI
PROFESSIONAL ENGINEER

10/20/21

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CITY OF MILWAUKEE
Designer	STRAND ASSOCIATES INC.
WisDOT Project Manager	GREG HAFEMAN, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 10/27/2021 (Signature)

E

DESIGN DESIGNATION

A.A.D.T. (2022)	= 14,050
A.A.D.T. (2042)	= 15,500
D.H.V.-30 (2042)	= 1,780
D.D.	= 59/41
T.	= 8.2%
DESIGN SPEED	= 35 M.P.H.
ESALS	= 2,300,000

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC — E —
- FIBER OPTIC — FO —
- GAS — G —
- SANITARY SEWER — SAN —
- STORM SEWER — SS —
- TELEPHONE — T —
- WATER — W —
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

GENERAL NOTES

NO TREES OR SHURBS SHALL BE REMOVED UNLESS DESIGNATED FOR REMOVAL BY THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITIEY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

EROSION CONTROLS BPMs ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

MISCELLANEOUS REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT. SAWCUT WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

A SAWED JOINT SHALL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

ALL OPENINGS BELOW SUBGRADE, RESULTING FROM REMOVALS OR ABANDONMENTS, SHALL BE BACKFILLED WITH 1-1/4" BAD TO SUBGRADE ELEVATIONS.

ALL DISTURBED AREAS, NOT SURFACED, ARE TO BE COVERED WITH 4 INCHES OF TOPSOIL, SOD LAWN AND FERTILIZER TYPE B UNLESS OTHERWISE DIRECTED BY THE ENGINEER. TOPSOILED AREAS SHALL BE SODDED AND FERTILIZED WITHIN 5 CALENDAR DAYS.

WHEN THE QUANTITY OF ITEMS OF BAD AND / OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF MATERIALS AS DIRECTED BY THE ENGINEER.

THE LOCATION OF PROPOSED SIGNS AS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT NUMBER OF SIGNS AND SIGN LOCATIONS ARE TO BE APPROVED BY THE ENGINEER IN THE FIELD.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

STORM SEWER PIPE ELEVATIONS, LENGTH, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

ELEVATIONS SHOWN ON THE PLANS ARE ALONG THE EDGE OF LANE, EDGE OF PAVEMENT, OR THE 1-FOOT OFFSET FROM THE FACE OF CURB AND GUTTER FOR INTEGRAL CURB AND GUTTER UNLESS OTHERWISE NOTED.

ALL ELEVATIONS ARE REFERENCED TO CITY OF MILWAUKEE DATUM.

SOME CONTROL POINTS ARE LOCATED WITHIN SIDEWALK PROPOSED FOR REPLACEMENT, ESTABLISH PROJECT CONTROL POINTS PRIOR TO SIDEWALK REMOVAL.

CONTACT THE ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION, AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

CONTACTS

DESIGN CONSULTANT
ASHLEY PRIDEMORE, P.E.
STRAND ASSOCIATES, INC.
126 N. JEFFERSON STREET
SUITE 350 MILWAUKEE WI 53202
(414) 271-0771
ASHLEY.PRIDEMORE@STRAND.COM

CITY OF MILWAUKEE
SAMUEL MEDHIN, P.E.
841 NORTH BROADWAY
ROOM 902
MILWAUKEE, WI 53202
(414) 286-0474
SMEDHI@MILWAUKEE.GOV

SEWRPC CONTACT
ANDY TRAEGER
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
OFFICE: (262) 953-4296
ATRAEGER@SEWRPC.ORG

WISDNR REGION
KRISTINA BETZOLD
DNR SOUTHEAST REGION
2300 N. DR. MARTIN LUTHER KING JR. DR.
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(414) 263-8517
KRISTINA.BETZOLD@WISCONSIN.GOV

WISDOT SE REGION
GREGORY HAFEMAN, P.E.
141 NW BARSTOW STREET
P.O. BOX 798
WAUKESHA, WI 53187-0798
(262) 548-8677
GREG.HAFEMAN@DOT.WI.GOV

MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS)
1942 N. 17TH ST.
MILWAUKEE, WI 53205

ARMOND SENSABAUGH
TRANSPORTATION COORDINATOR (DETOURS)
PHONE: (414) 343-1728
ASENSABAUGH@MCTS.ORG

DAVID LOCHER
TRANSPORTATION MANAGER (BUS STOPS)
PHONE: (414) 343-1727
DLOCHER@MCTS.ORG

DESIGNER NOTES

DESIGN AND PLANS FOR SIGNATURE BEDS, PERMANENT SIGNING, LIGHTING, TEMPORARY LIGHTING, TRAFFIC SIGNALS, TEMPORARY TRAFFIC SIGNALS, TRAFFIC INTERCONNECT, CITY UG CONDUIT (CUC) PROVIDED BY CITY OF MILWAUKEE.

DESIGN AND PLANS FOR ALL REMAINING SECTIONS PROVIDED BY STRAND ASSOCIATES, INC.

ALL SPECIFICATIONS AND COST ESTIMATE PROVIDED BY CITY OF MILWAUKEE.

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS
CURB RAMP DETAILS
PAVING GRADES
EROSION CONTROL
STORM SEWER REMOVALS
STORM SEWER
PLANTING
SIGN REMOVAL DETAILS
PERMANENT SIGNING
STREET LIGHTING REMOVAL PLAN
TEMPORARY STREET LIGHTING
STREET LIGHTING PLAN
TRAFFIC SIGNAL PLAN
TEMPORARY TRAFFIC SIGNALS
TRAFFIC INTERCONNECT
CITY UG CONDUIT (CUC)
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DETAILS
CONTROL POINT DATA

UTILITY CONTACTS

* AT&T WISCONSIN
JAY BULANEK
435 S 95TH STREET
MILWAUKEE, WI 53214
PHONE: 262-896-7669
jb5175@att.com

* AT&T LNS/AT&T METRO
TIMOTHY LAPOINTE
1301 FANNIN STREET
HOUSTON, TX 77002
PHONE: 281-352-3631
TI0695@ATT.COM

* CITY OF MILWAUKEE - STREET LIGHTS
ENG-KIE LEE
841 N. BROADWAY
MILWAUKEE, WI 53202
414-286-2174
ELEE@MILWAUKEE.GOV

MARK MACRAE
PERMANENT STREET LIGHTING FIELD
OPERATION MANAGER
PHONE: 414-286-5928

NEAL KARWEIK
TEMPORARY STREET LIGHTING FIELD
OPERATION MANAGER
1540 W. CANAL ST.
MILWAUKEE, WI 53233
PHONE: 414-286-5943
MOBILE: 414-708-4245

* CITY OF MILWAUKEE - SEWER
ZAFAR YOUSUF
841 N. BROADWAY
MILWAUKEE, WI 53202
PHONE: 414-286-2467

* CITY OF MILWAUKEE - TRAFFIC SIGNALS
RUDY GUTIERREZ
1540 W. CANAL ST.
MILWAUKEE, WI 53233
PHONE: 414-286-5941
MOBILE: 414-708-5148
RGUTIE@MILWAUKEE.GOV

* CITY OF MILWAUKEE - WATER
DAVE GOLDAPP
841 N. BROADWAY, ROOM 409
MILWAUKEE, WI 53202
PHONE: 414-286-6301
MOBILE: 414-708-2695

* CITY OF MILWAUKEE - CUC
KAREN ROGNEY
841 N. BROADWAY, ROOM 409
MILWAUKEE, WI 53202
PHONE: 414-286-3243
KAREN.ROGNEY@MILWAUKEE.GOV

* CITY OF MILWAUKEE - COMMUNICATIONS
COMMUNICATIONS DISPATCH
1440 W CANAL STREET
MILWAUKEE, WI 53233
PHONE: 414-286-3686

* CITY OF MILWAUKEE - FORESTRY
JAMES KRINGER
841 N. BROADWAY, ROOM 409
MILWAUKEE, WI 53202
PHONE: 414-708-2428
JAMES.KRINGER@MILWAUKEE.GOV

* CITY OF MILWAUKEE - UTILITY COORDINATION
ELLIOT SMYTH
841 N. BROADWAY, ROOM 4710
MILWAUKEE, WI 53202
PHONE: 414-704-0468
ESMYTH@MILWAUKEE.GOV

EVERSTREAM
SHAD GARCIA
324 E WISCONSIN AVENUE, SUITE 730
MILWAUKEE, WI 53202
PHONE: 414-522-6685
SGARCIA@EVERSTREAM.NET

MCI METRO BUSINESS
RJ CICATELLO
15725 W RYERSON ROAD
NEW BERLIN, WI 53151
PHONE: 262-232-1323
RANDY.CICATELLO@VERIZON.COM

* MIDWEST FIBER NETWORKS LLC
CORY SCHMUKI
6070 NORTH FLINT RD
GLENDALE, WI 53209
PHONE: 414-459-3561
MOBILE: 414-349-2764

* MILWAUKEE COUNTY DEPARTMENT OF TRANSPORTATION - OPERATIONS
EDUARDO SANTIAGO - HIGHWAY OPERATIONS DIRECTOR
10320 W. WATERTOWN PLANK RD.
WAUWATOSA, WI 53223
PHONE: 414-257-6569
EDUARDO.SANTIAGO@MILWAUKEECOUNTYWI.GOV

MILWAUKEE COUNTY PARKS DEPARTMENT - UTILITIES & ELECTRIC
BLAKE PRUSAK - MECHANICAL SERVICES SUPERVISOR
PARKS MAINTENANCE
1150 N. 68TH ST.
WAUWATOSA, WI 53213
PHONE: 414-258-2322
BLAKE.PRUSAK@MILWAUKEECOUNTYWI.GOV

* MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (MMSD) - SEWER
MICKI KLAPPA-SULLIVAN
260 W SEEBOTH STREET
MILWAUKEE, WI 53204
PHONE: 414-225-2178
MKLAPPASULLIVAN@MMSD.COM

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT FIELD CONTACT
JAMES ROMANOWSKI
260 W SEEBOTH STREET
MILWAUKEE, WI 53204
PHONE: 414-225-2241

* SPECTRUM
MASON PIERCE
1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
PHONE: 414-430-9156
Mason.Pierce@charter.com

TELCOM CONSTRUCTION
MIKE HOFFMAN
2921 S 5TH COURT
MILWAUKEE, WI 53207
PHONE: 262-599-1966

* WE ENERGIES - ELECTRIC
TODD WIEDOFF
W140 N9100 LILLY RD.
MENOMONEE FALSS, WI 53051
PHONE: 262-502-6818
MOBILE: 414-840-8106

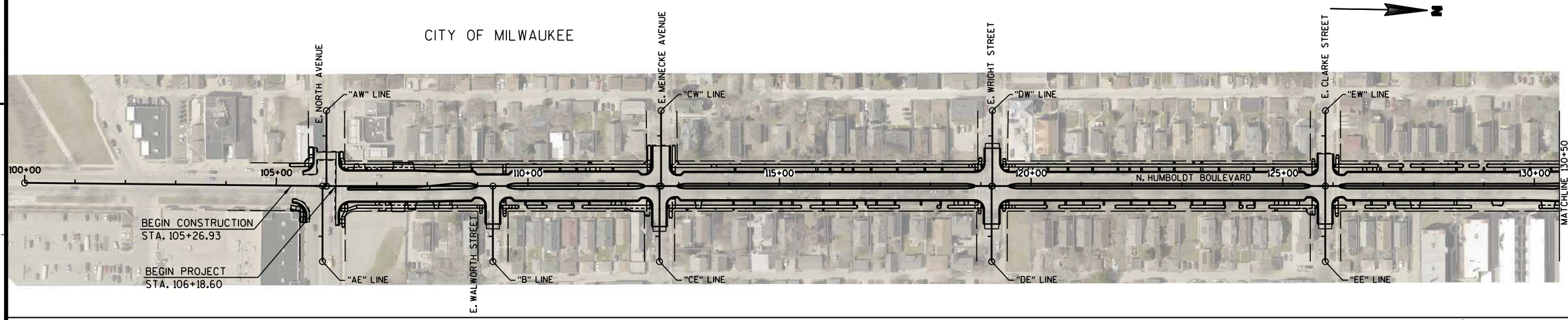
* WE ENERGIES - GAS
ALEX DANTINNE
500 S. 116TH STREET
WEST ALLIS, WI 53214
PHONE: 920-621-6903

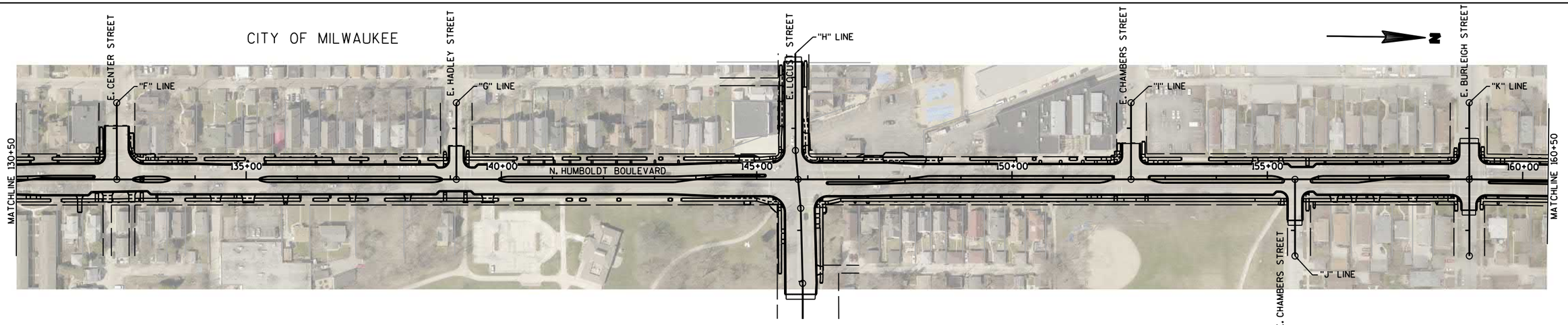
BOB SWEIGART
500 S. 116TH STREET
WEST ALLIS, WI 53214
PHONE: 414-935-4438
ROBERT.SWEIGART@WE-ENERGIES.COM

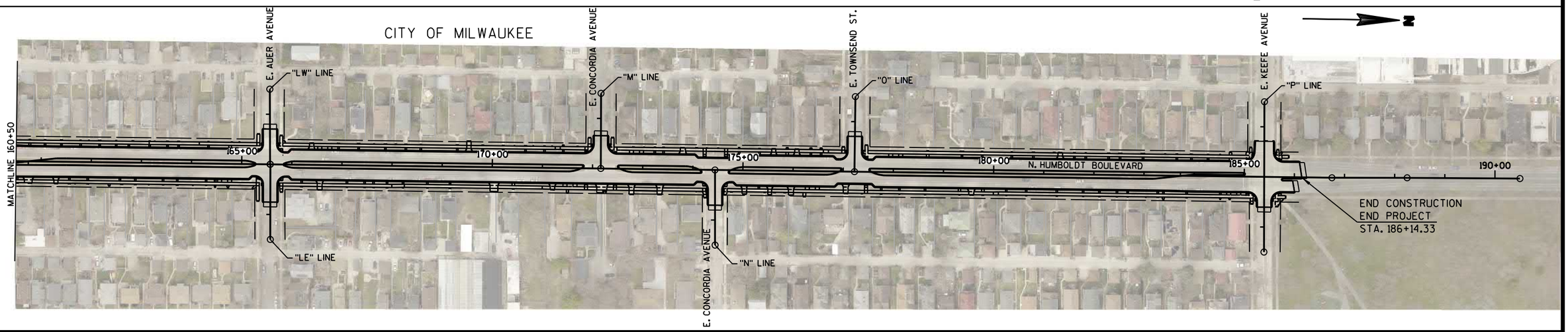
* WINDSTREAM
LORI KETTER
314 N. DANZ AVENUE
GREEN BAY, WI 54302-3526
PHONE: 414-274-9215
LORI.KETTER@WINDSTREAM.COM

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

* DENOTES DIGGERS HOTLINE MEMBER



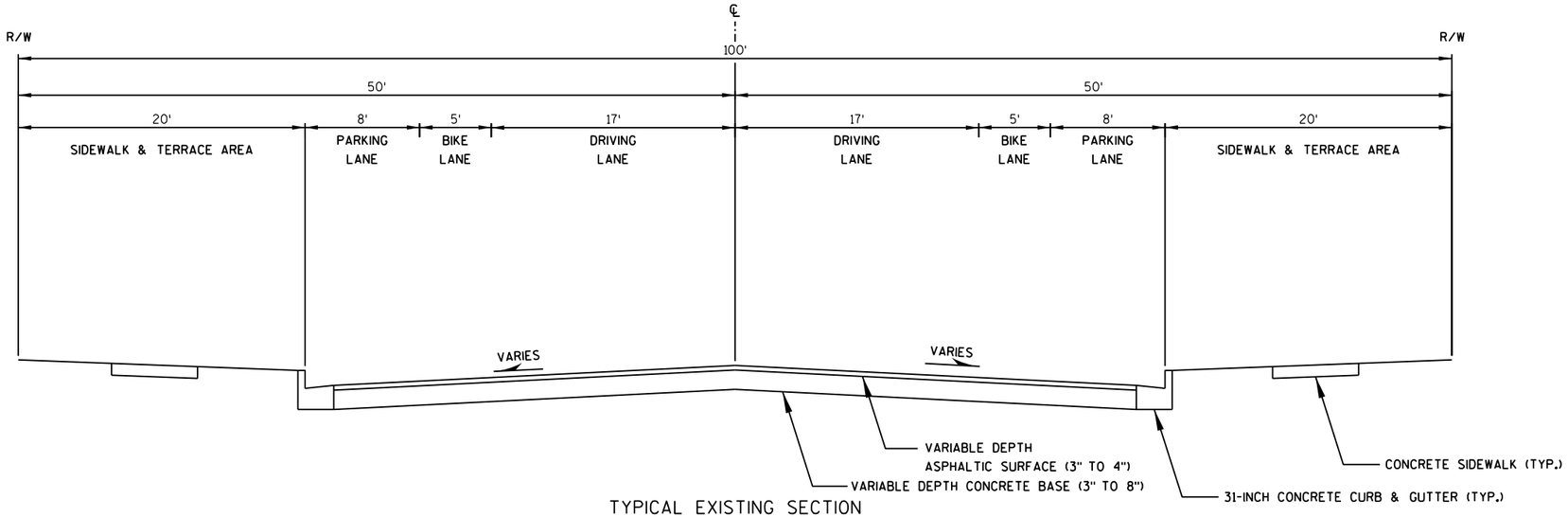




PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET	E

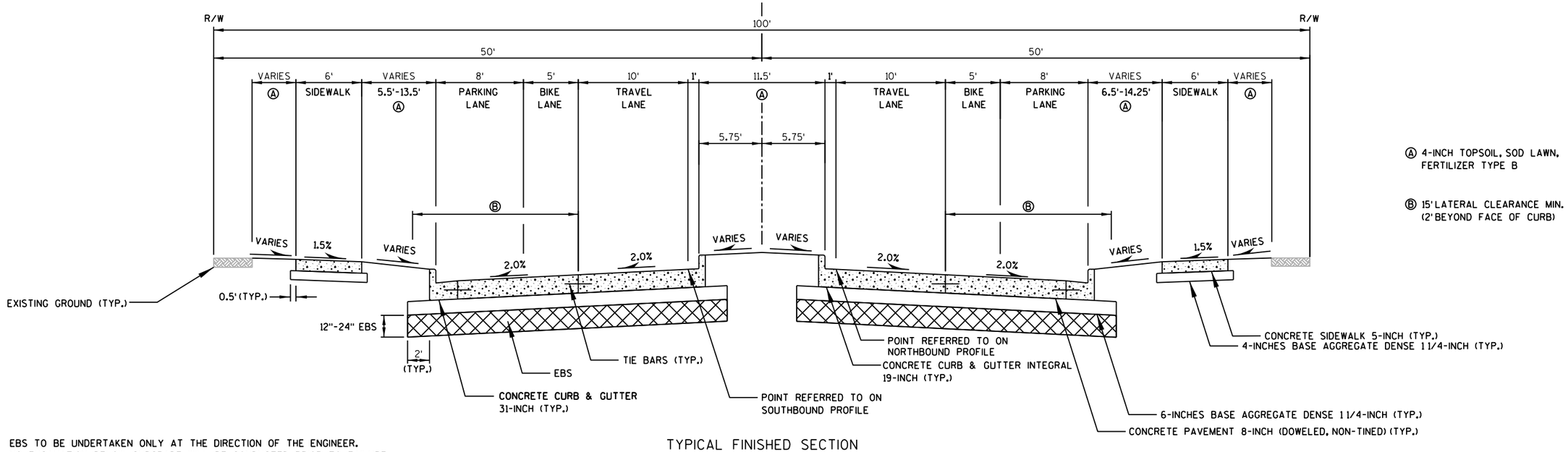
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WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION

NORTH HUMBOLDT BOULEVARD
E. NORTH AVE. TO E. MEINECKE AVE.
STA. 106+19 TO STA. 112+65



Ⓐ 4-INCH TOPSOIL, SOD LAWN, FERTILIZER TYPE B

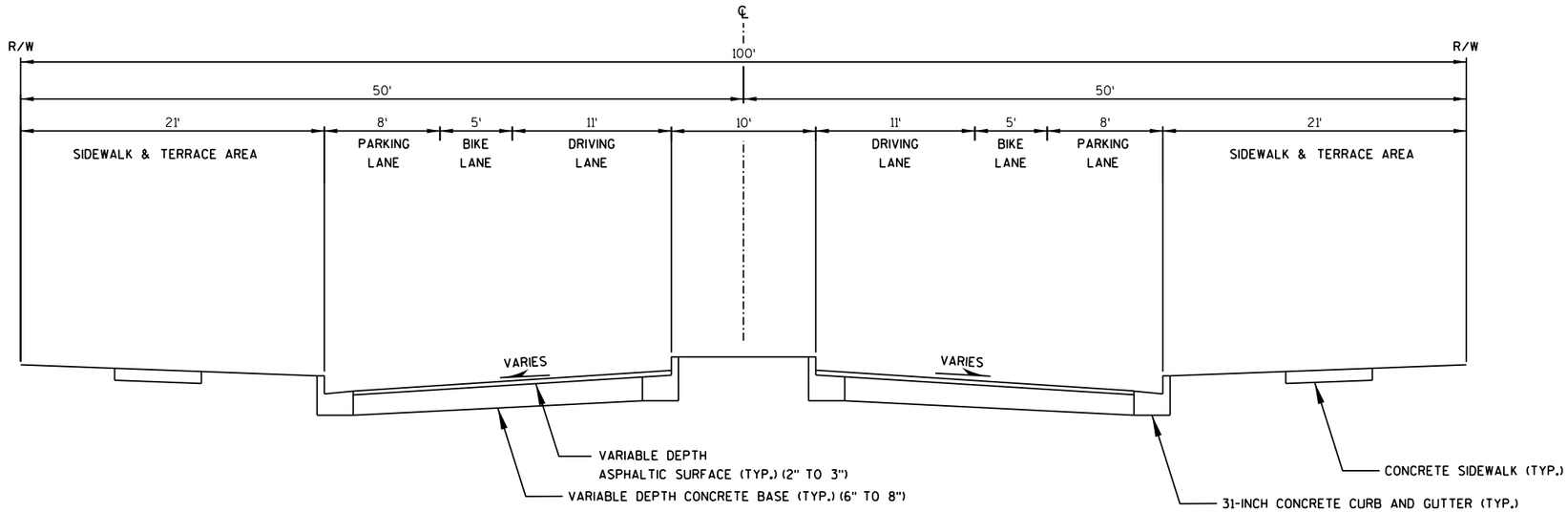
Ⓑ 15' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB)

EBS TO BE UNDERTAKEN ONLY AT THE DIRECTION OF THE ENGINEER. NO EXCAVATION BELOW SUBGRADE WILL BE CONDUCTED PRIOR TO FAILURE OF PROOF ROLL. DEPTH AND WIDTH OF EXCAVATIONS WILL BE DETERMINED BY THE ENGINEER BASED UPON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. SOIL REPORT AVAILABLE UPON REQUEST.

TYPICAL FINISHED SECTION

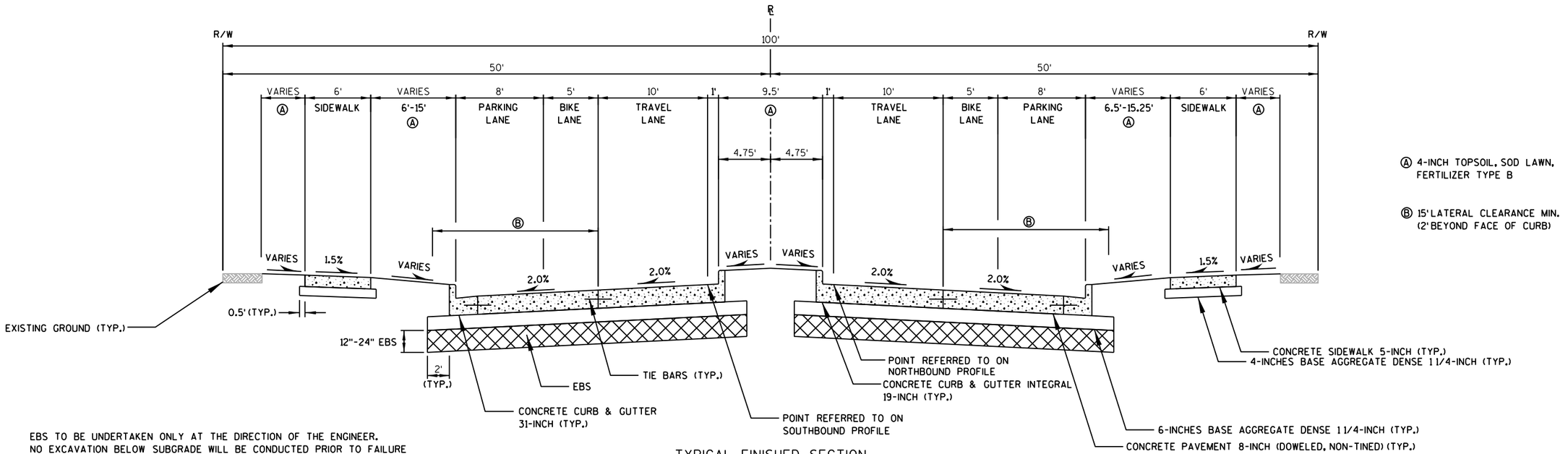
NORTH HUMBOLDT BOULEVARD
E. NORTH AVE. TO E. MEINECKE. AVE.
STA. 106+19 TO STA. 112+65

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 5	E



TYPICAL EXISTING SECTION

NORTH HUMBOLDT BOULEVARD
E. MEINECKE AVE. TO E. CENTER ST.
STA. 112+65 TO STA. 132+50



Ⓐ 4-INCH TOPSOIL, SOD LAWN, FERTILIZER TYPE B

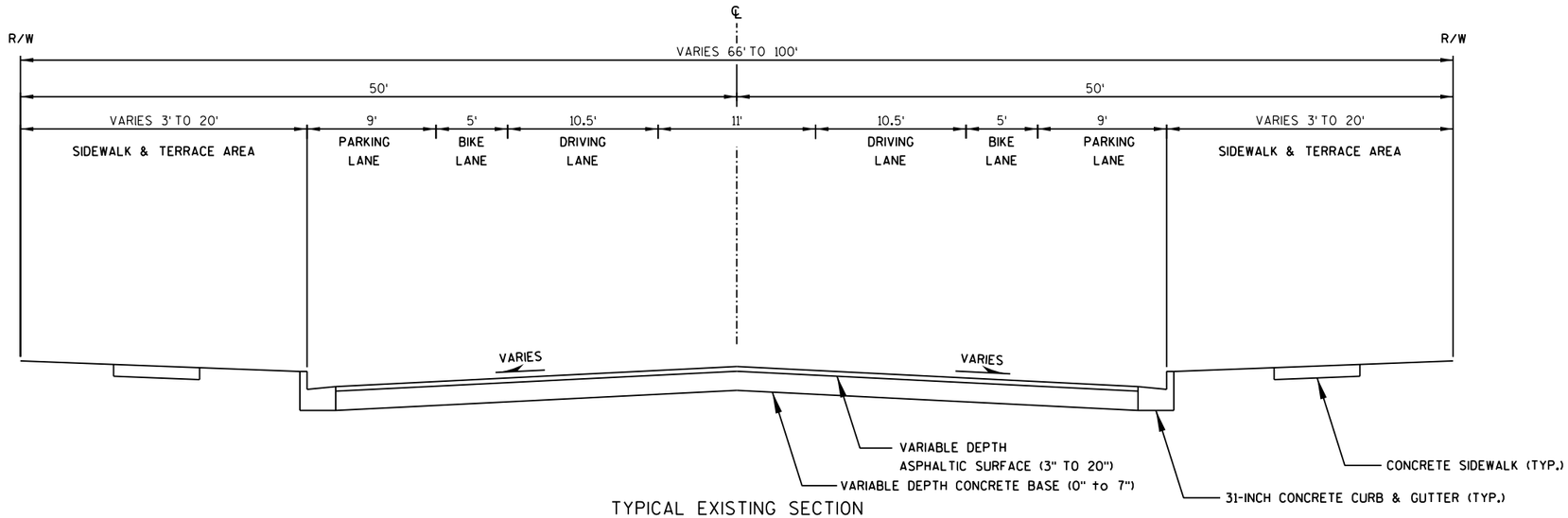
Ⓑ 15' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB)

EBS TO BE UNDERTAKEN ONLY AT THE DIRECTION OF THE ENGINEER. NO EXCAVATION BELOW SUBGRADE WILL BE CONDUCTED PRIOR TO FAILURE OF PROOF ROLL. DEPTH AND WIDTH OF EXCAVATIONS WILL BE DETERMINED BY THE ENGINEER BASED UPON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. SOIL REPORT AVAILABLE UPON REQUEST.

TYPICAL FINISHED SECTION

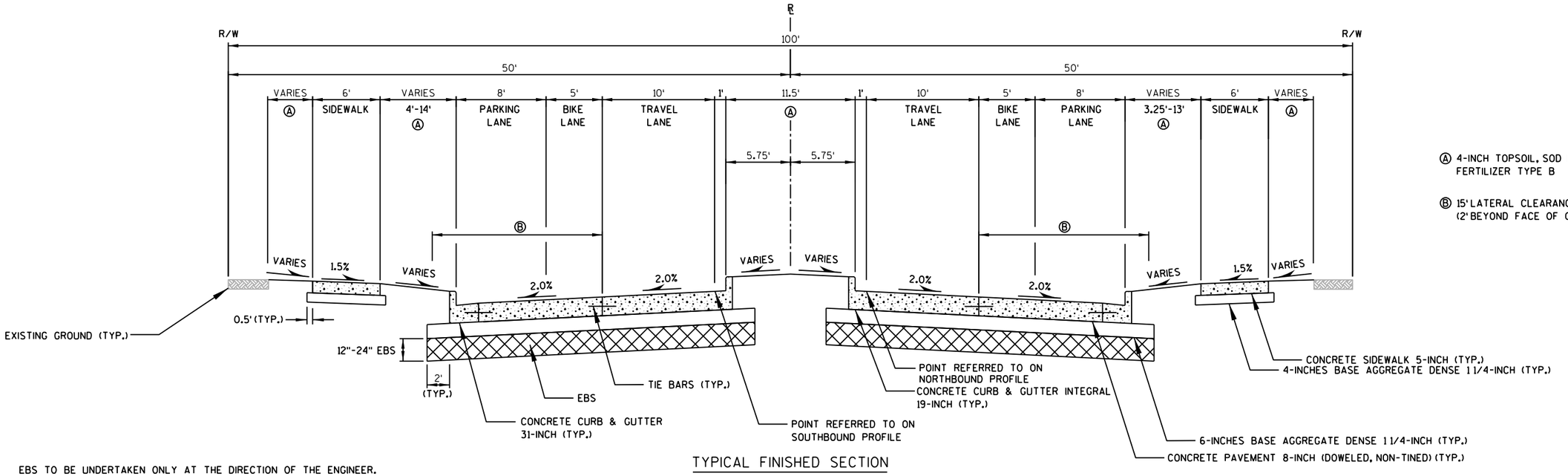
NORTH HUMBOLDT BOULEVARD
E. MEINECKE ST. TO E. CENTER ST.
STA. 112+65 TO STA. 132+50

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 6	E



TYPICAL EXISTING SECTION

NORTH HUMBOLDT BOULEVARD
E. CENTER ST. TO E. LOCUST ST.
STA. 132+50 TO STA. 145+75



Ⓐ 4-INCH TOPSOIL, SOD LAWN, FERTILIZER TYPE B

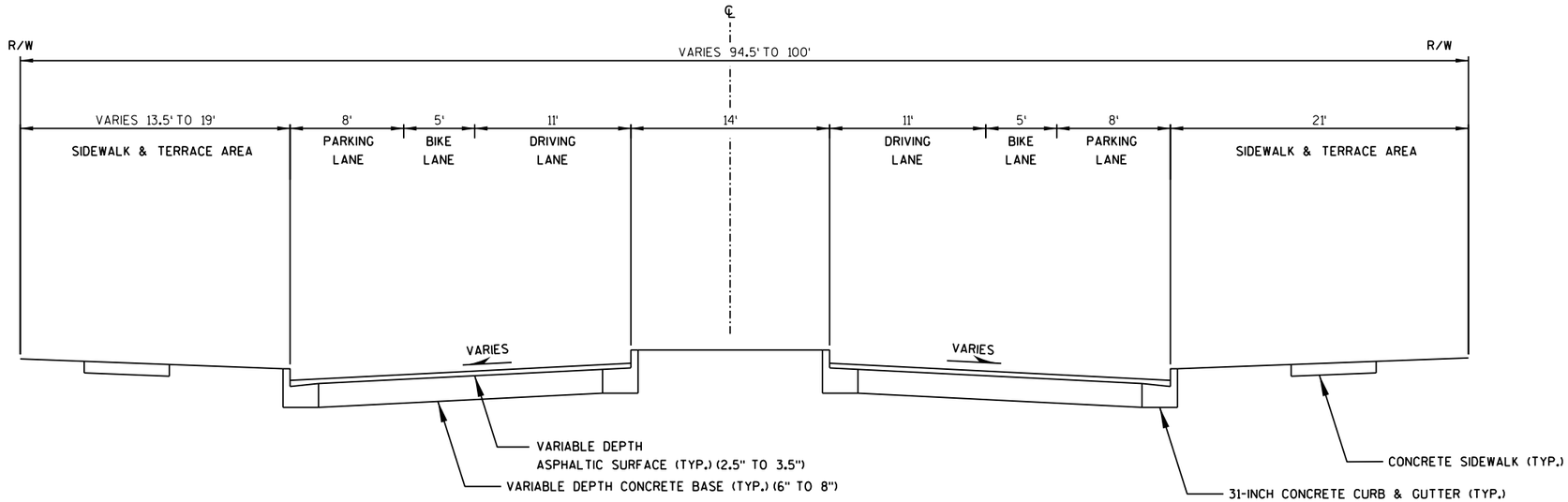
Ⓑ 15' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB)

EBS TO BE UNDERTAKEN ONLY AT THE DIRECTION OF THE ENGINEER. NO EXCAVATION BELOW SUBGRADE WILL BE CONDUCTED PRIOR TO FAILURE OF PROOF ROLL. DEPTH AND WIDTH OF EXCAVATIONS WILL BE DETERMINED BY THE ENGINEER BASED UPON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. SOIL REPORT AVAILABLE UPON REQUEST.

TYPICAL FINISHED SECTION

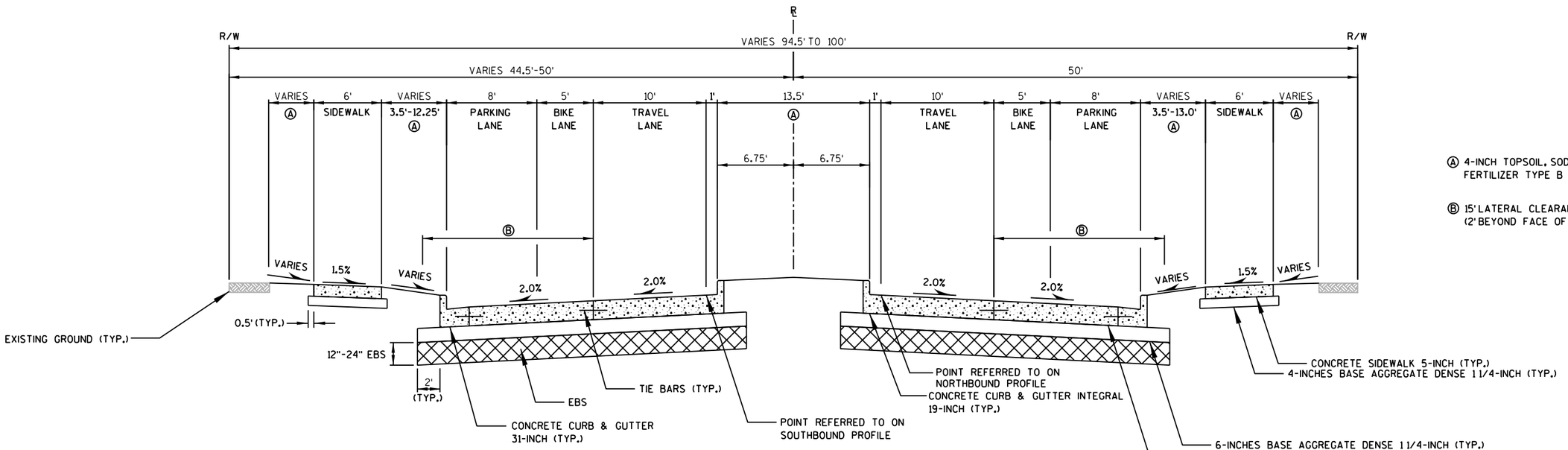
NORTH HUMBOLDT BOULEVARD
E. CENTER ST. TO E. LOCUST ST.
STA. 132+50 TO STA. 145+75

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 7	E



TYPICAL EXISTING SECTION

NORTH HUMBOLDT BOULEVARD
E. LOCUST ST. TO E. KEEFE AVE.
STA. 145+75 TO STA. 186+14

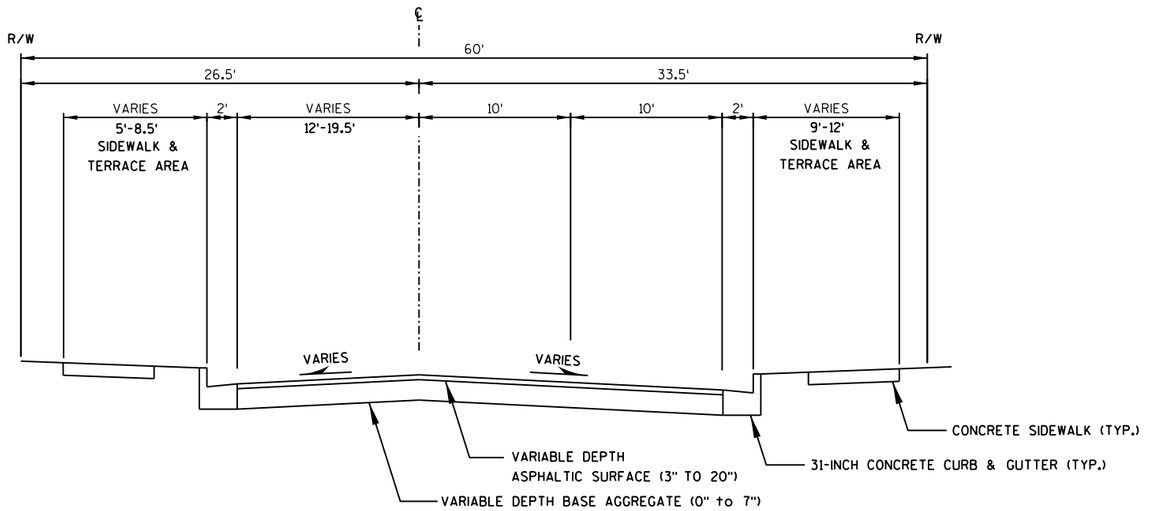


EBS TO BE UNDERTAKEN ONLY AT THE DIRECTION OF THE ENGINEER. NO EXCAVATION BELOW SUBGRADE WILL BE CONDUCTED PRIOR TO FAILURE OF PROOF ROLL. DEPTH AND WIDTH OF EXCAVATIONS WILL BE DETERMINED BY THE ENGINEER BASED UPON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. SOIL REPORT AVAILABLE UPON REQUEST.

TYPICAL FINISHED SECTION

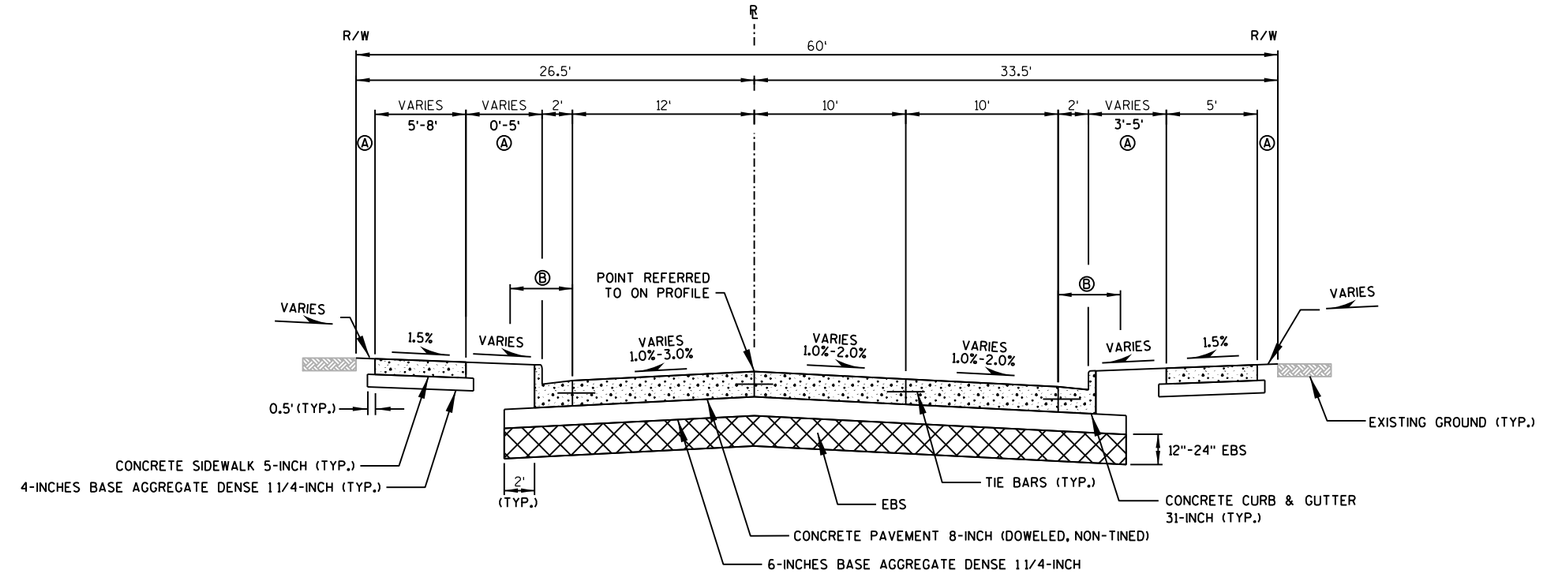
NORTH HUMBOLDT BOULEVARD
E. LOCUST ST. TO E. KEEFE AVE.
STA. 145+75 TO STA. 186+14

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 8	E



TYPICAL EXISTING SECTION

E. LOCUST STREET
STA. 7+70 H TO STA. 9+44 H



Ⓐ 4-INCH TOPSOIL, SOD LAWN, FERTILIZER TYPE B

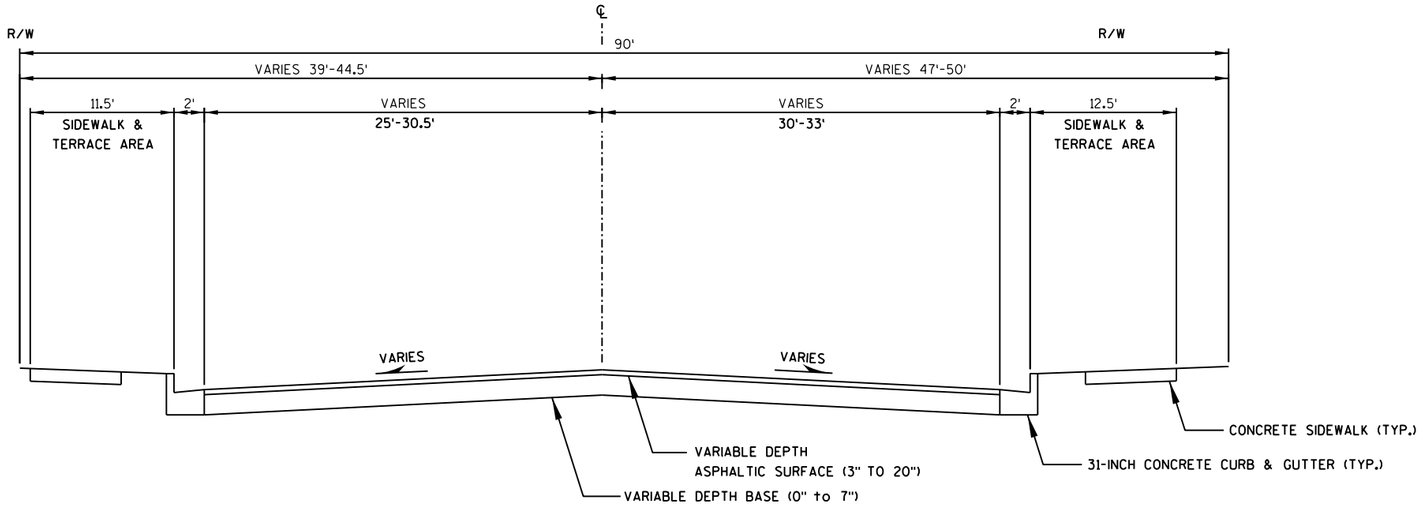
Ⓑ 4' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB)

EBS TO BE UNDERTAKEN ONLY AT THE DIRECTION OF THE ENGINEER. NO EXCAVATION BELOW SUBGRADE WILL BE CONDUCTED PRIOR TO FAILURE OF PROOF ROLL. DEPTH AND WIDTH OF EXCAVATIONS WILL BE DETERMINED BY THE ENGINEER BASED UPON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. SOIL REPORT AVAILABLE UPON REQUEST.

TYPICAL FINISHED SECTION

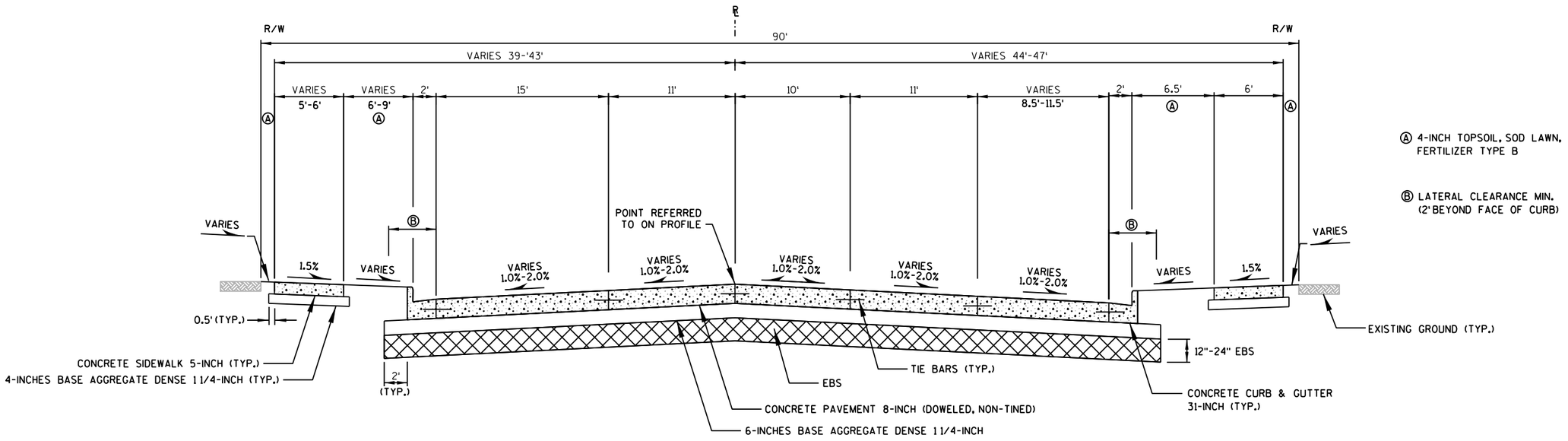
E. LOCUST STREET
STA. 7+70 H TO STA. 9+44 H

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 9	E



TYPICAL EXISTING SECTION

E. LOCUST STREET
STA. 10+60 H TO STA. 12+25 H

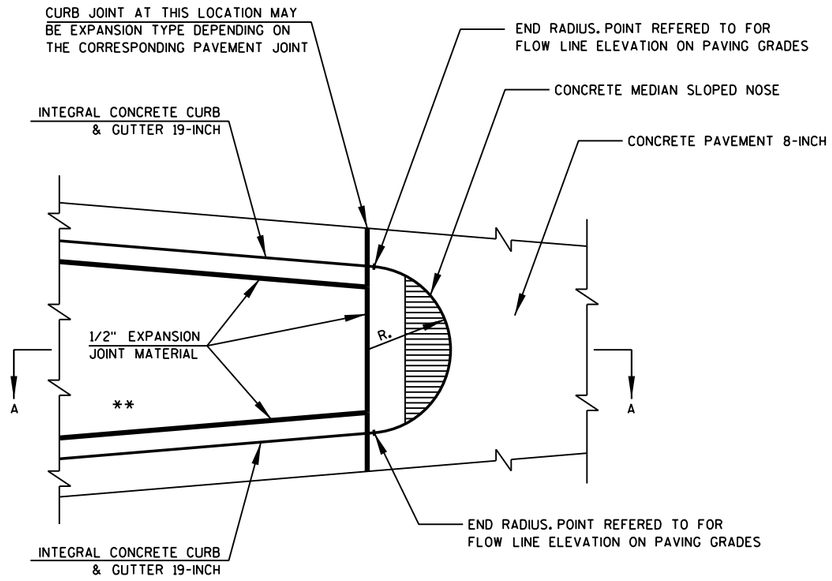


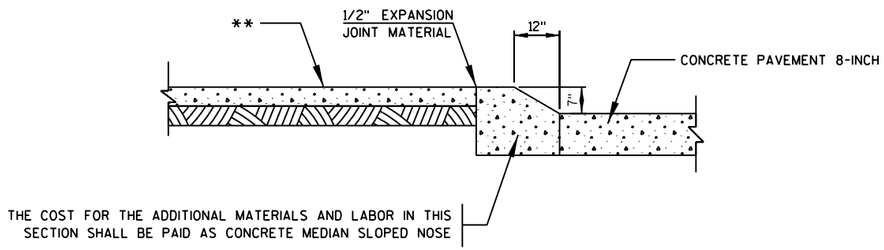
EBS TO BE UNDERTAKEN ONLY AT THE DIRECTION OF THE ENGINEER. NO EXCAVATION BELOW SUBGRADE WILL BE CONDUCTED PRIOR TO FAILURE OF PROOF ROLL. DEPTH AND WIDTH OF EXCAVATIONS WILL BE DETERMINED BY THE ENGINEER BASED UPON FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. SOIL REPORT AVAILABLE UPON REQUEST.

TYPICAL FINISHED SECTION

E. LOCUST STREET
STA. 10+60 H TO STA. 12+25 H

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 10	E





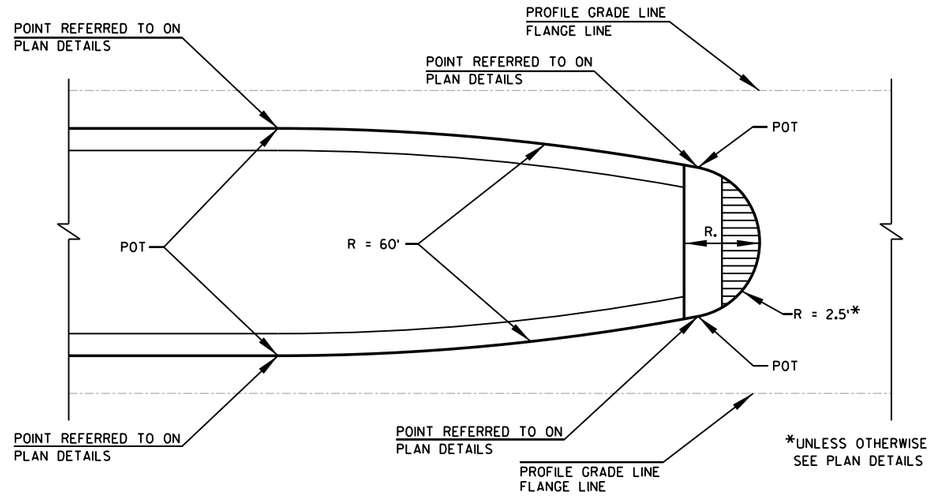
SECTION A-A

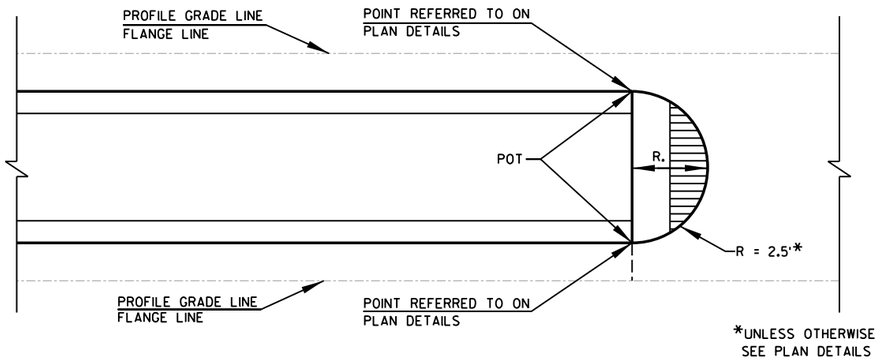
SNOWPLOWABLE MEDIAN ISLAND NOSE

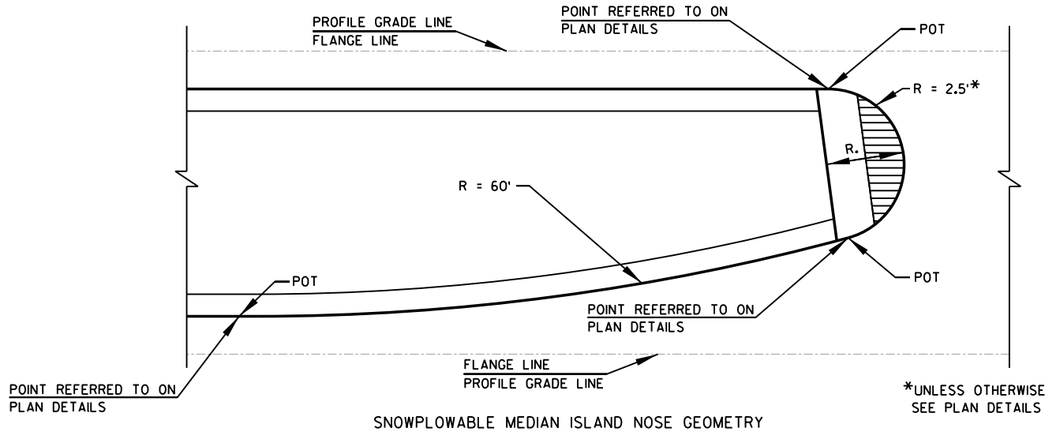
(TYPICAL SECTION OF CONCRETE CURB & GUTTER AND
CONCRETE TO BE CONSTRUCTED AT END OF MEDIAN ISLAND)

** SEE PLAN DETAILS FOR
FINISHING ITEMS IN MEDIAN

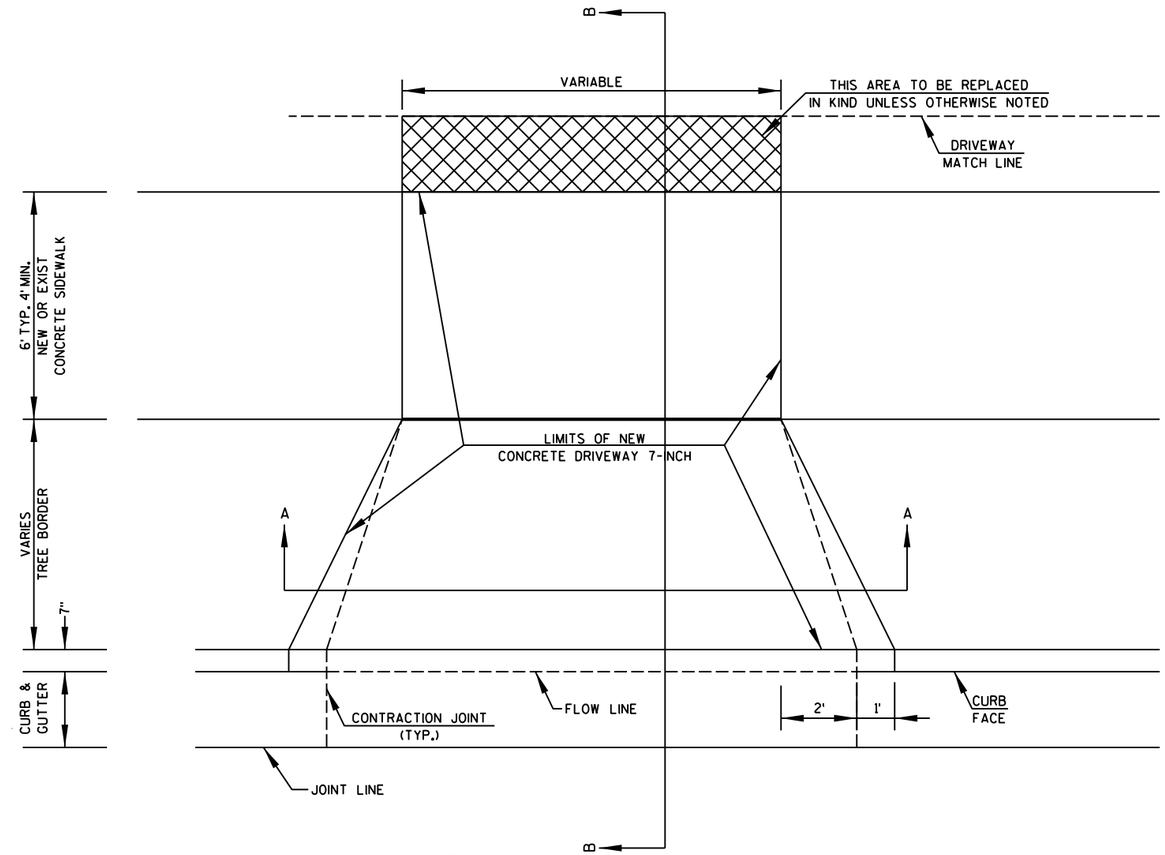
NOTE: ALL RADIUS CALLOUTS ARE TO FACE OF CURB

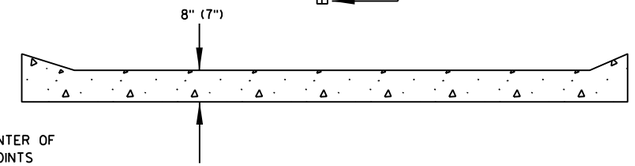






SNOWPLOWABLE MEDIAN ISLAND NOSE GEOMETRY



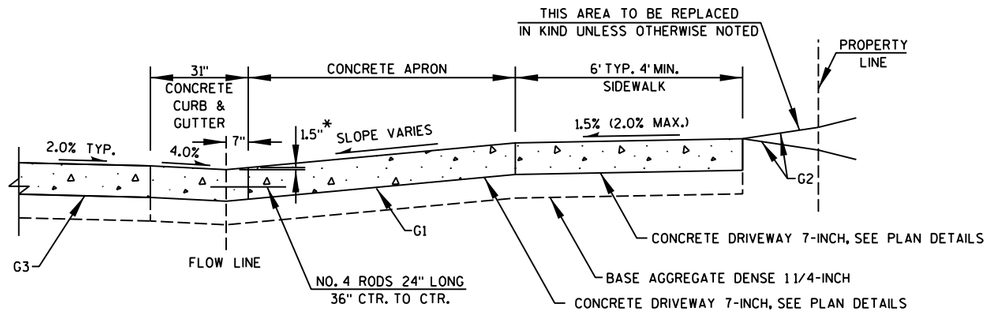


HEAVY LINE INDICATES
1/2-INCH EXPANSION JOINT
MATERIAL

PLACE DUMMY JOINTS AT CENTER OF
DRIVEWAY AND/OR AT ALL JOINTS
IN THE GUTTER

MAXIMUM
G1 & G2 = 15%
DESIRABLE MAXIMUM = 10%

MAXIMUM DIFFERENCE BETWEEN
G1 AND G2 IN FILL = 14%
G1 AND G3 = 14%



SECTION B-B

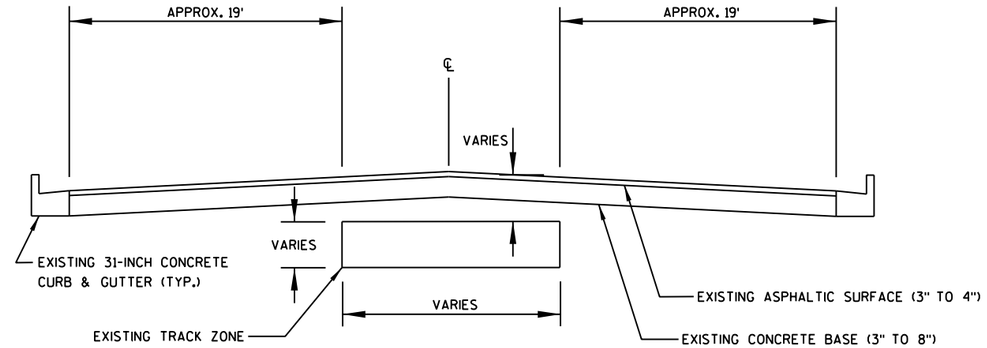
* HEIGHT OF CURB CUT
AT BACK OF CURB

FLARED CONCRETE DRIVEWAY

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 17.24 ACRES



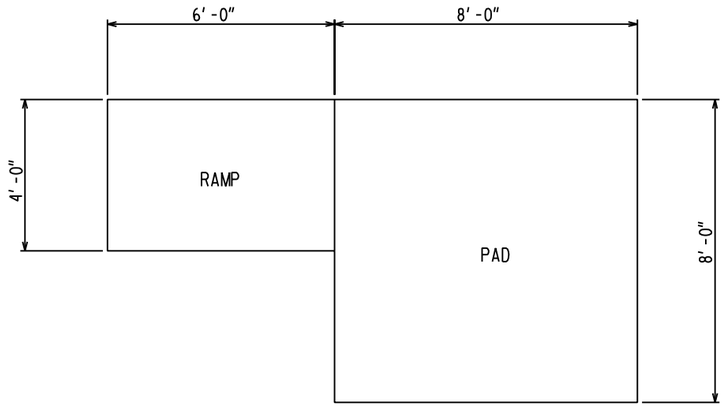
NOTES:

SEE REMOVAL PLAN FOR EXISTING TRACK ZONE LOCATIONS.

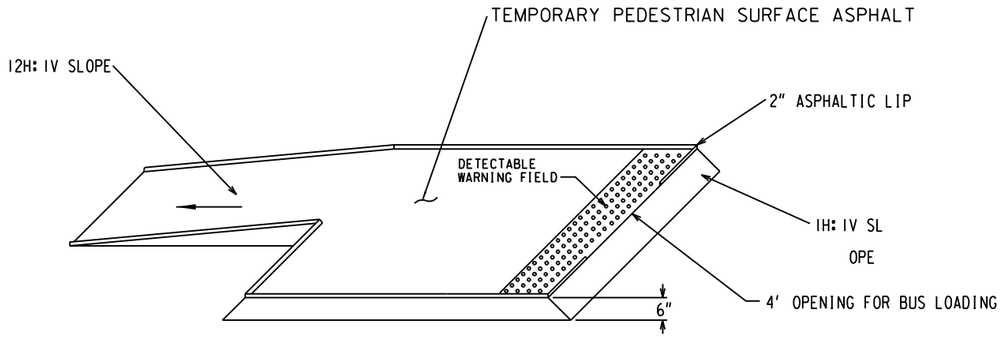
SEE SPECIAL PROVISIONS FOR EXCAVATION, HAULING, AND
DISPOSAL OF CREOSOTE CONTAMINATED SOIL.

REMOVING TRACK ZONE

STA. 106+19 TO STA. 112+75
STA. 132+95 TO STA. 145+85



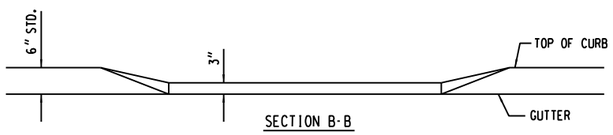
NOTE:
RAMP MAY BE LONGER
IF ROADWAY SLOPE REQUIRES



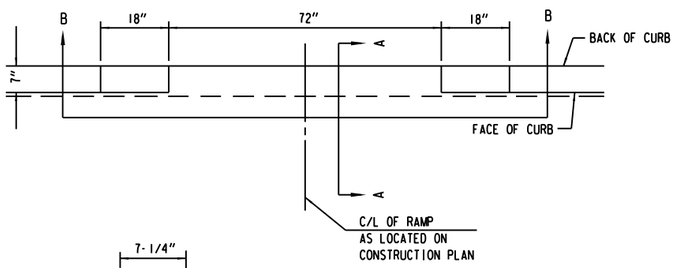
NOTE:
RAMP SHALL BE PLACED TO FACE
TOWARDS PEDESTRIAN CROSSING

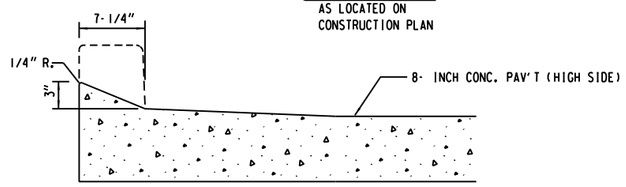
TEMPORARY BUS LOADING ZONE

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS



SECTION B-B

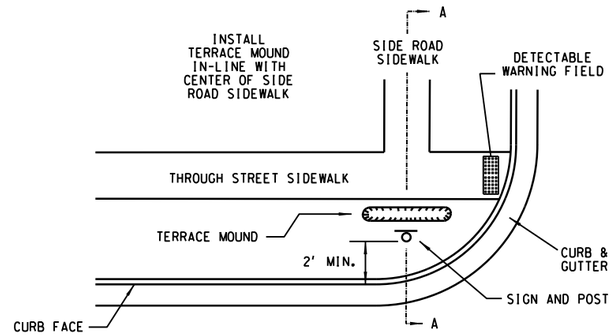




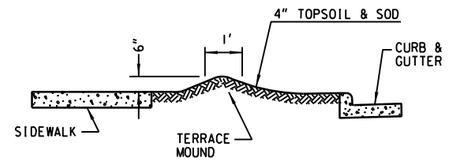
SECTION A-A

MAINTENANCE RAMP

SEE PLAN DETAILS FOR LOCATIONS



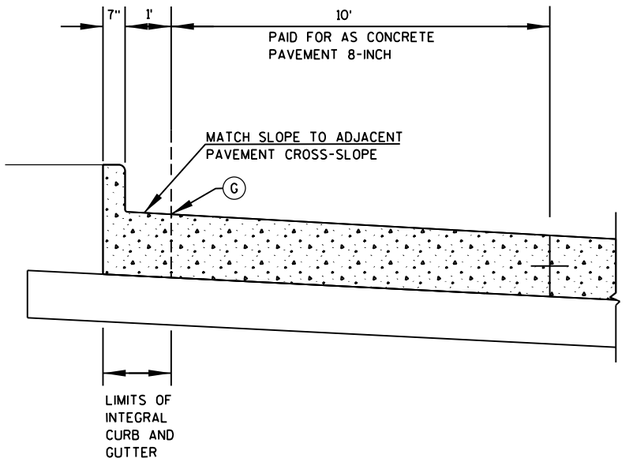
MOUND AND SIGN LOCATION DETAIL



TERRACE MOUND DETAIL
SECTION A-A

CROSSWALK CLOSURE DETAILS

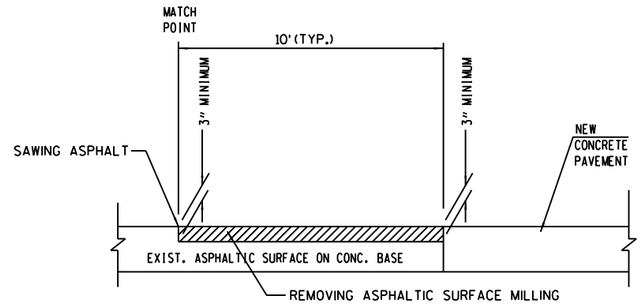
STA. 109+05 RT.
STA. 155+30 RT.
STA. 177+00 LT.



(G) LOCATION OF ELEVATION SHOWN ON PAVING GRADE SHEETS.

INTEGRAL CONCRETE CURB & GUTTER 19-INCH DETAIL

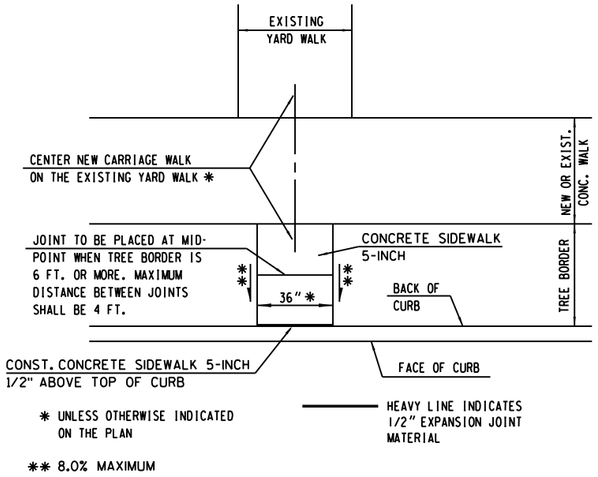
SEE PLAN DETAILS FOR LOCATIONS



ASPHALTIC SURFACE BUTT JOINTS

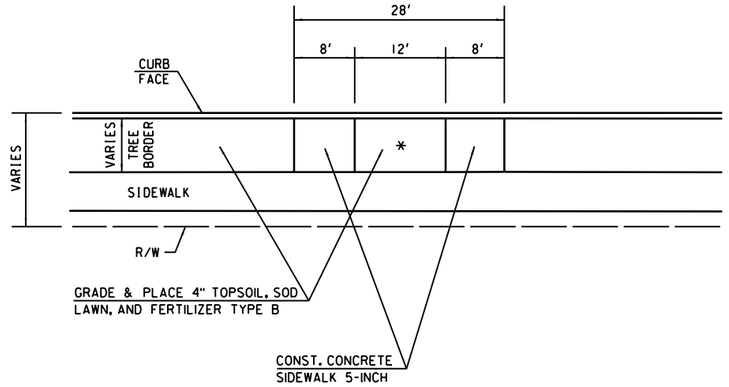
IN ROADWAY AT INTERSECTIONS AND ABUTTING PAVEMENT

SEE PLAN DETAILS FOR LOCATIONS



CARRIAGE WALK

SEE PLAN DETAILS FOR LOCATIONS



*THIS AREA CONCRETE SIDEWALK 5-INCH FOR BUS STOPS AT THE FOLLOWING LOCATIONS:

106+75 LT
107+10 RT
133+60 LT
144+75 RT

BUS STOP WALK DETAIL

SEE PLAN DETAILS FOR LOCATIONS

GENERAL NOTE

THE CROSS SLOPE OF BUS STOP WALK AND ADJACENT SIDEWALK MUST NOT EXCEED 2.0%

2

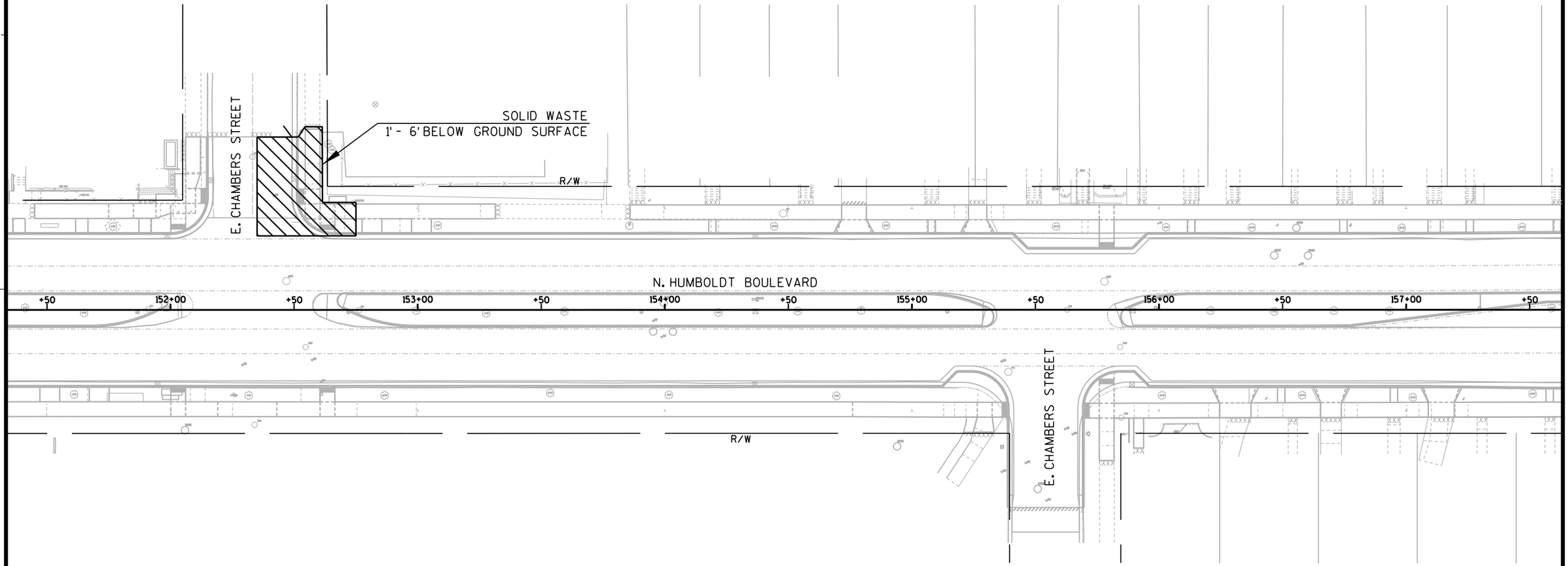
2

LEGEND

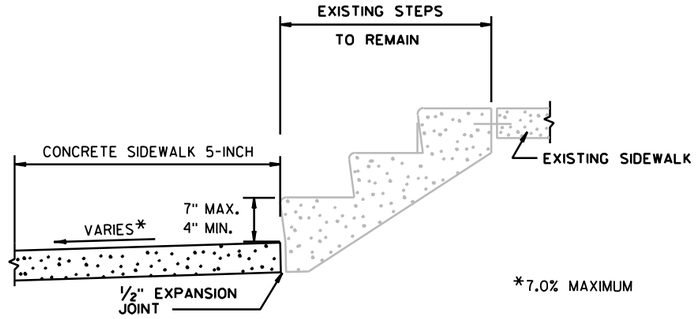
APPROXIMATE EXTENT OF SOLID WASTE WHICH MAY BE ENCOUNTERED DURING EXCAVATION OPERATIONS. MANAGEMENT OF SOLID WASTE REQ'D.

NOTE:
SEE SPECIAL PROVISIONS FOR HANDLING INSTRUCTIONS

N

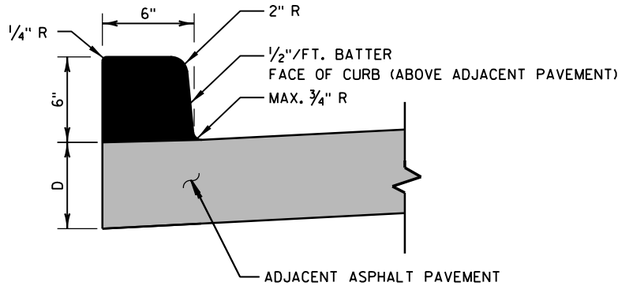


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SCALE, FEET 0 20 40	SHEET 15	E



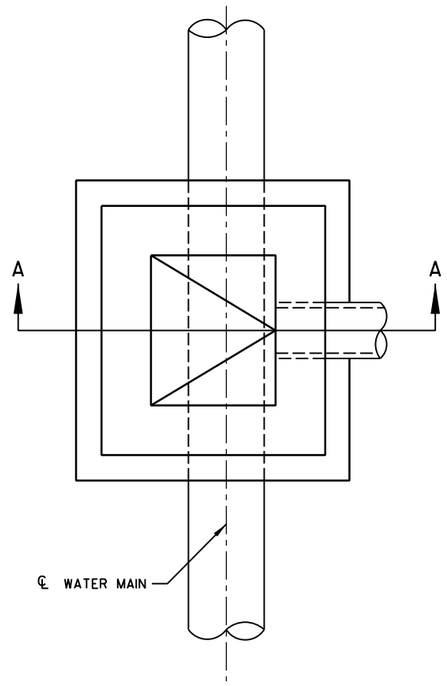
CONCRETE SIDEWALK 5-INCH ADJACENT TO EXISTING CONCRETE STEPS DETAIL

STA. 111+24 LT	STA. 113+16 RT
STA. 122+84 LT	STA. 114+08 RT
STA. 123+23 LT	STA. 115+88 RT
STA. 123+39 LT	STA. 124+87 RT
STA. 126+72 LT	STA. 146+93 RT
STA. 128+45 LT	STA. 147+18 RT
STA. 130+78 LT	STA. 155+92 RT
STA. 131+32 LT	STA. 158+32 RT
STA. 135+57 LT	STA. 159+53 RT
STA. 136+37 LT	STA. 162+36 RT
STA. 146+75 LT	STA. 164+48 RT
STA. 171+41 LT	STA. 164+73 RT
STA. 174+92 LT	STA. 171+50 RT
STA. 175+88 LT	STA. 176+23 RT
STA. 176+35 LT	STA. 183+39 RT
STA. 176+55 LT	STA. 184+72 RT
STA. 184+72 LT	STA. 184+50 RT

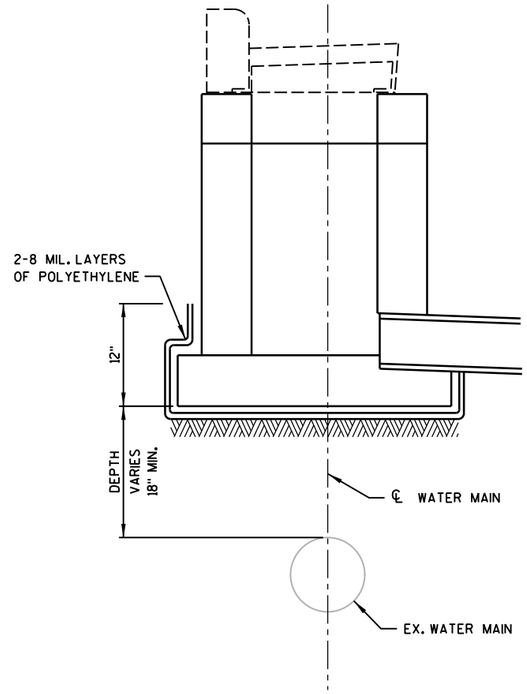


D = DEPTH OF ADJACENT ASPHALT PAVEMENT

ASPHALTIC CURB DETAIL



PLAN VIEW



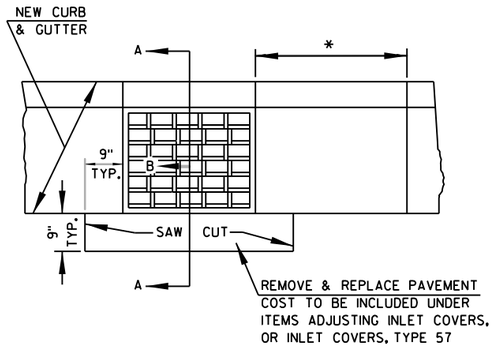
SECTION A-A

WATER MAIN PROTECTION

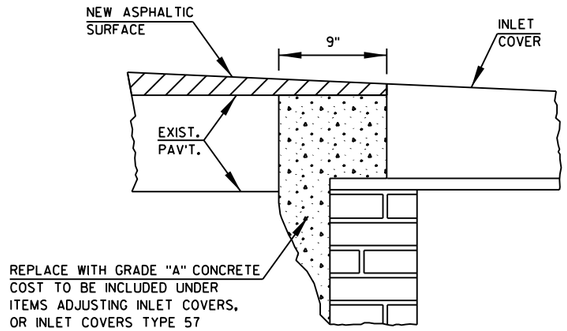
INSTALL ON ALL CATCH BASINS OR INLETS WITH LESS THAN 24" HORIZONTAL OUT-TO-OUT CLEARANCE FROM STRUCTURE TO WATER MAIN.

2

* REMOVE 3'-0" CURB & GUTTER MIN. OR TO THE NEAREST JOINT, 6'-0" MAX. UNLESS OTHERWISE DIRECTED ON THE PLAN.

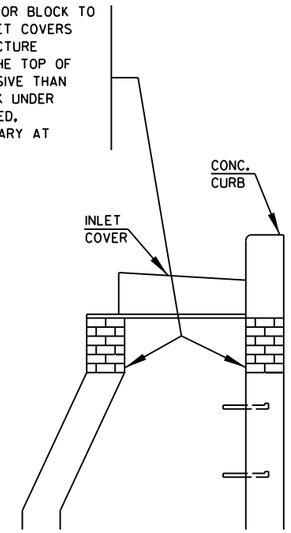


PLAN VIEW



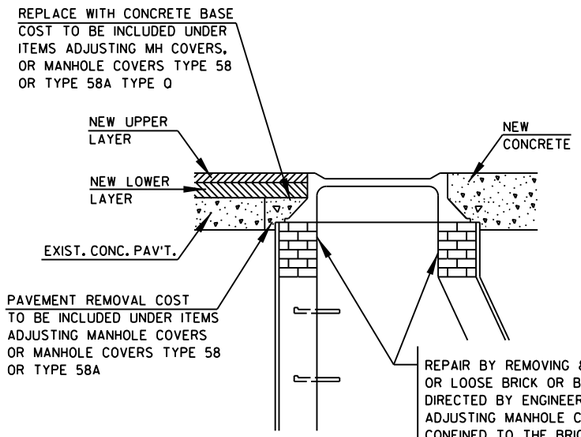
SECTION A-B

REPAIR BY REMOVING & REPLACING DAMAGED OR LOOSE BRICK OR BLOCK TO DEPTH AS DIRECTED BY ENGINEER. WORK UNDER ADJUSTING INLET COVERS SHALL BE CONFINED TO THE BRICK SHIMMING ABOVE THE STRUCTURE CORBEL. THIS SHIMMING SHALL NOT EXCEED 1 FOOT BETWEEN THE TOP OF THE CORBEL AND THE FRAME BOTTOM. ANY WORK MORE EXTENSIVE THAN DESCRIBED IMMEDIATELY ABOVE SHALL BE CONSTRUED AS WORK UNDER RECONSTRUCTING INLETS. DEPTHS OF BRICKWORK TO BE REPAIRED, AS INDICATED ON THE PLAN, ARE ESTIMATES ONLY AND MAY VARY AT TIME OF CONSTRUCTION.



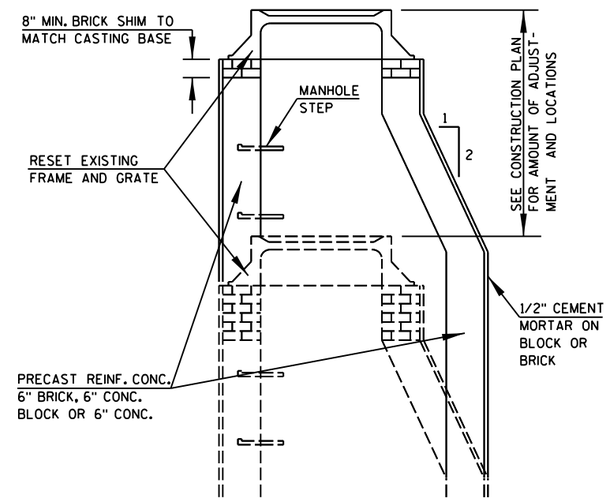
SECTION A-A

ADJUSTING INLET COVERS



REPAIR BY REMOVING & REPLACING DAMAGED OR LOOSE BRICK OR BLOCK TO DEPTH AS DIRECTED BY ENGINEER. WORK UNDER ADJUSTING MANHOLE COVERS SHALL BE CONFINED TO THE BRICK SHIMMING ABOVE THE STRUCTURE CORBEL. THIS SHIMMING SHALL NOT EXCEED 1 FOOT BETWEEN THE TOP OF THE CORBEL AND THE FRAME BOTTOM. ANY WORK MORE EXTENSIVE THAN DESCRIBED IMMEDIATELY ABOVE SHALL BE CONSTRUED AS WORK UNDER RECONSTRUCTING MANHOLES. DEPTHS OF BRICKWORK TO BE REPAIRED, AS INDICATED ON THE PLAN, ARE ESTIMATES ONLY AND MAY VARY AT TIME OF CONSTRUCTION.

ADJUSTING MANHOLE COVERS



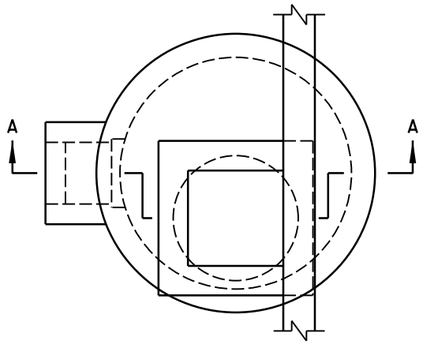
CORBEL MAY BE REVERSED
STRAIGHT SIDE LEANED
SLIGHTLY TO CLEAR CURB HEAD.

REPAIR BY REMOVING AND REPLACING DAMAGED OR LOOSE BRICK OR BLOCK TO THE DEPTH AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER. DEPTHS AS INDICATED ON PLAN ARE ESTIMATES ONLY AND MAY VARY AT TIME OF CONSTRUCTION.

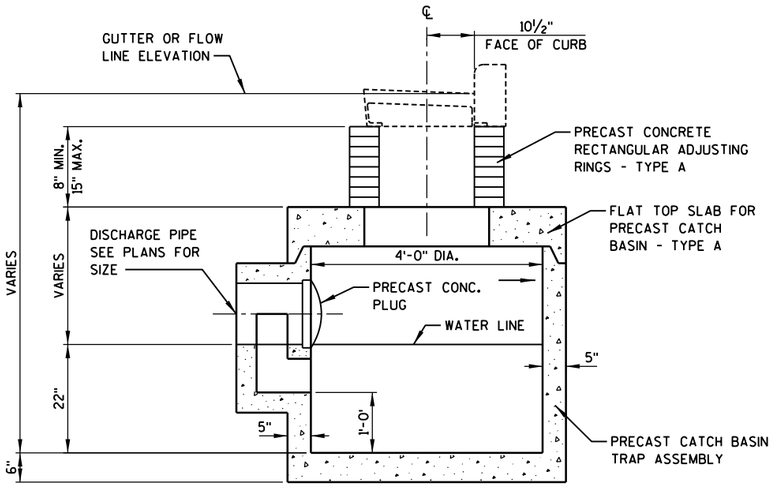
RECONSTRUCTING MANHOLES

CONSTRUCTION NOTES

1. LOCATIONS OF STRUCTURES IN CURB & GUTTER SECTIONS REFER TO FACE OF CURB.
2. LOCATIONS OF STRUCTURES NOT IN CURB AND GUTTER SECTIONS REFER TO CENTERLINE OF STRUCTURE.
3. PIPE LENGTHS GIVEN ARE APPROXIMATE OUT TO OUT OF STRUCTURE.
4. GRATE & RIM ELEVATIONS ARE GIVEN AT FLOW LINE OF INLET COVER OR AT CENTER-LINE OF MANHOLE COVER.
5. WHEN NEW COVERS ARE PLACED, THE FIRST 12" OF ADJUSTMENT OR REPAIRING SHALL BE INCLUDED IN THE COST OF THE NEW COVER. ANY ADJUSTMENT OR REPAIR OF BRICKWORK 12" OR LESS WILL BE PAID AS ADJUSTING INLET/MANHOLE COVERS WHEN RESETTING EXISTING COVERS, ANY ADJUSTMENT OR REPAIR OF BRICKWORK MORE THAN 12" WILL BE PAID AS A RECONSTRUCTING INLETS/MANHOLES.
6. ADJUSTING MANHOLE COVERS IN ASPHALTIC PAVEMENT WILL BE MADE AFTER THE LOWER LAYER IS PLACED.
7. WHEN CONSTRUCTING CONCRETE CURB ADJACENT TO INLET COVER TYPE 57, TWO (2) DEFORMED TIE BARS SHALL BE PLACED LONGITUDINALLY THROUGH THE CURB SECTION AND EXTENDED ONE (1) FOOT BEYOND EACH SIDE OF THE FRAME. A DUMMY JOINT SHALL BE CUT IN THE CURB AT EACH SIDE OF THE FRAME.



PLAN

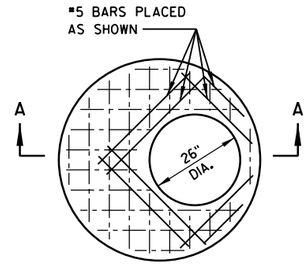


SECTION A-A

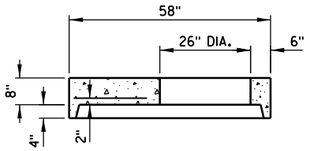
CATCH BASIN TYPE 44B

GENERAL NOTES

1. REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6x6 W16xW16 WELDED STEEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.
2. PRECAST INLET UNITS AND BASES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.
3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 4" IN DEPTH WHICH MEETS REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
4. SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON PLAN.
5. A PRECAST CONCRETE PLUG SHALL BE CEMENTED INTO THE OPENING AT THE INNER FACE OF THE CATCH BASIN TRAP ASSEMBLY.



PLAN



SECTION A-A

TOP SLAB - TYPE A

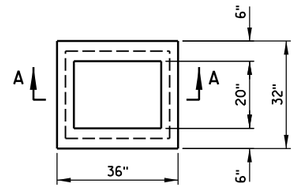
FLAT TOP SLAB SHALL BE 8" THICK REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT IN BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SECTION AS SHOWN.

REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

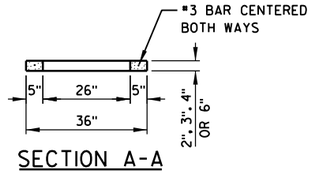
THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.

THE ADJUSTING RINGS SHALL BE 2", 3", 4" OR 6" IN HEIGHT.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONRETE SHALL BE 3300 P.S.I.

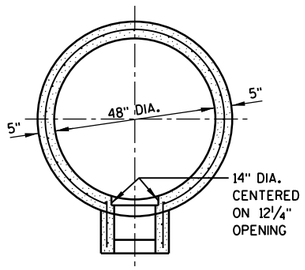


PLAN



SECTION A-A

RECTANGULAR ADJUSTING RING - TYPE A



SECTION A-A

CIRCUMFERENTIAL REINFORCEMENT SHALL CONSIST OF ONE LINE OF STEEL NOT LESS THAN 0.12 SQ. IN. PER LINEAL FOOT, AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.

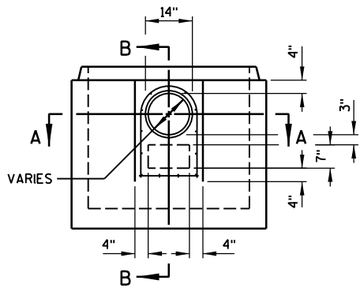
TRAP ASSEMBLY SHALL BE REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT IN BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SECTION AS SHOWN.

CIRCUMFERENTIAL AND TRAP ASSEMBLY REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

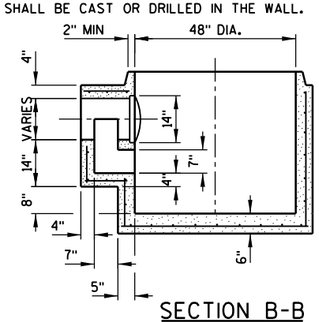
THIS TRAP ASSEMBY REINFORCED CONCRETE SHALL BE INTEGRAL WITH THE CIRCUMFERENTIAL REINFORCED CONCRETE WALL.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.

TWO HANDLING HOLES 2¼ INCHES IN DIAMETER SHALL BE CAST OR DRILLED IN THE WALL.



PLAN



SECTION B-B

TRAP ASSEMBLY

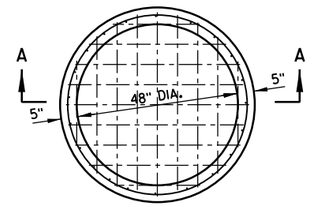
CIRCUMFERENTIAL REINFORCEMENT SHALL CONSIST OF ONE LINE OF STEEL NOT LESS THAN 0.12 SQ. IN. PER LINEAL FOOT, AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.

BOTTOM SLAB SHALL BE REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT IN BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SLAB.

CIRCUMFERENTIAL AND BOTTOM SLAB REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

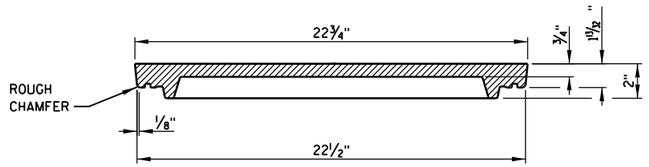
THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.

TWO HANDLING HOLES 2¼ INCHES IN DIAMETER SHALL BE CAST OR DRILLED IN THE WALL.

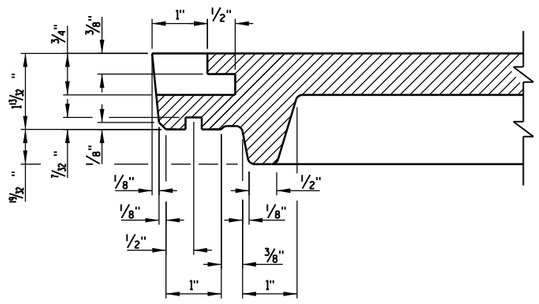


PLAN

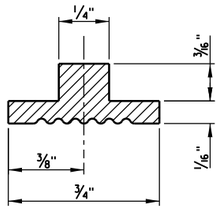
BOTTOM REINFORCEMENT

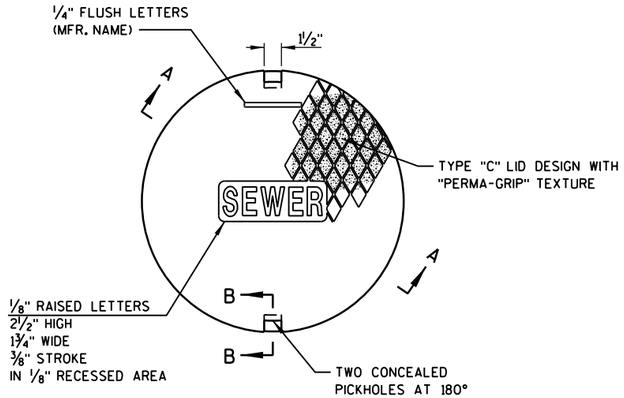


SECTION A-A

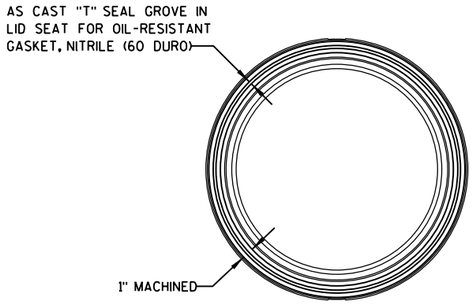


SECTION B-B





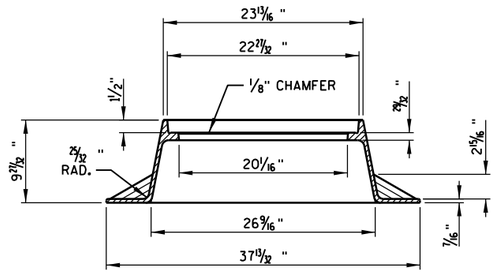
TOP VIEW



BOTTOM VIEW

MANHOLE COVERS TYPE MS 58-A

LID - 107 LBS.



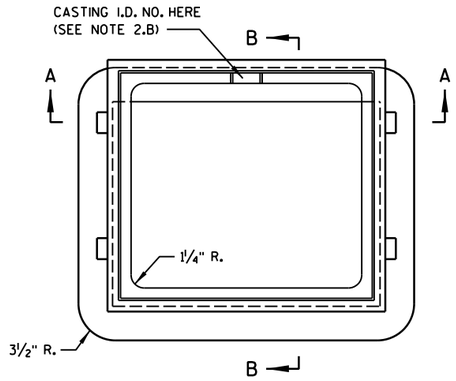
MANHOLE FRAME - TYPE MS 21

MANHOLE FRAME - TYPE MS 21 INCLUDED WITH MS 58-A BID ITEM
LID - 182 LBS.

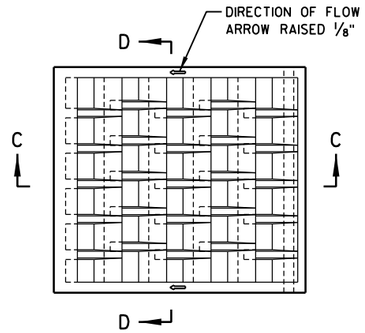
NOTES

ALL CASTINGS SHALL BEAR THE FOLLOWING IDENTIFICATION MARKS IN THE FORM OF LEGIBLE LETTERS OR NUMERALS RAISED ⅛" HAVING A DIGIT OR LETTER HEIGHT OF ONE INCH ON LOWER FACE OF LID:

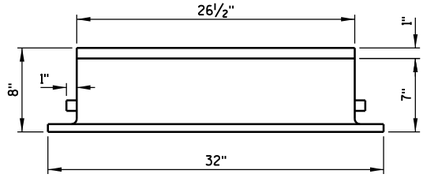
1. THE INITIALS OR MONOGRAM OF THE FOUNDRY.
2. THE CONTRACT NUMBER AND YEAR MADE.
3. THE CASTING IDENTIFICATION NUMBER.
4. THE SERIAL NUMBER OF THE INDIVIDUAL CASTING.

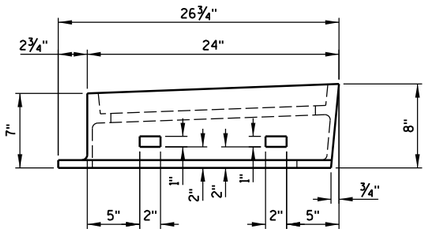


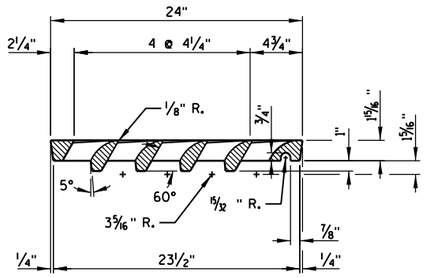
FRAME



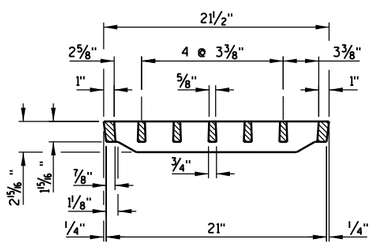
GRATE



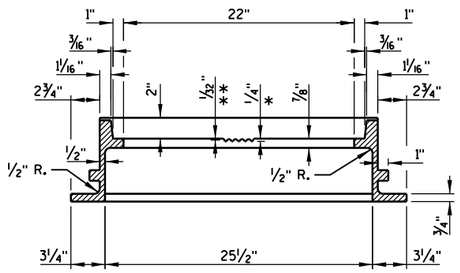




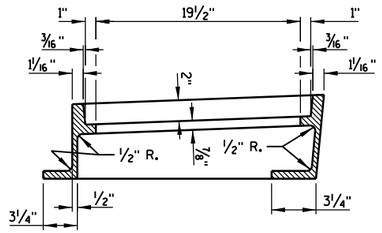
SECTION C-C



SECTION D-D



SECTION A-A



SECTION B-B

* DEPRESSION FOR LETTERS.

** CLEARANCE FROM TOP OF LETTERS TO FACE OF SEAT.

GENERAL NOTES

1. ALL EDGES ARE TO BE GROUND.
2. ALL CASTINGS SHALL BEAR THE FOLLOWING INDENTIFICATION MARKS IN THE FORM OF LEGIBLE LETTERS OR NUMERALS RAISED ⅛-INCH.

ON THE FRAME

A. ON THE UPPER FACE OF THE FLANGE IN 1-INCH HIGH LETTERS THE INITIALS OR MONOGRAM OF THE FOUNDRY, THE YEAR MADE AND THE SERIAL NUMBER OF THE INDIVIDUAL CASTING.

B. ON THE SEAT OF THE FRAME IN 1-INCH HIGH LETTERS, THE CASTING IDENTIFICATION NUMBER (51).

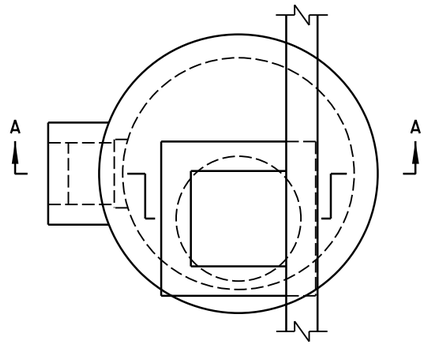
ON THE GRATE

C. ON THE UPPER SIDE OF THE GRATE IN1-INCH HIGH LETTERS, THE INITIALS OR MONOGRAM OF THE FOUNDRY, THE YEAR MADE, THE CASTING IDENTIFICATION NUMBER (57) AND THE SERIAL NUMBER OF THE INDIVIDUAL CASTING.

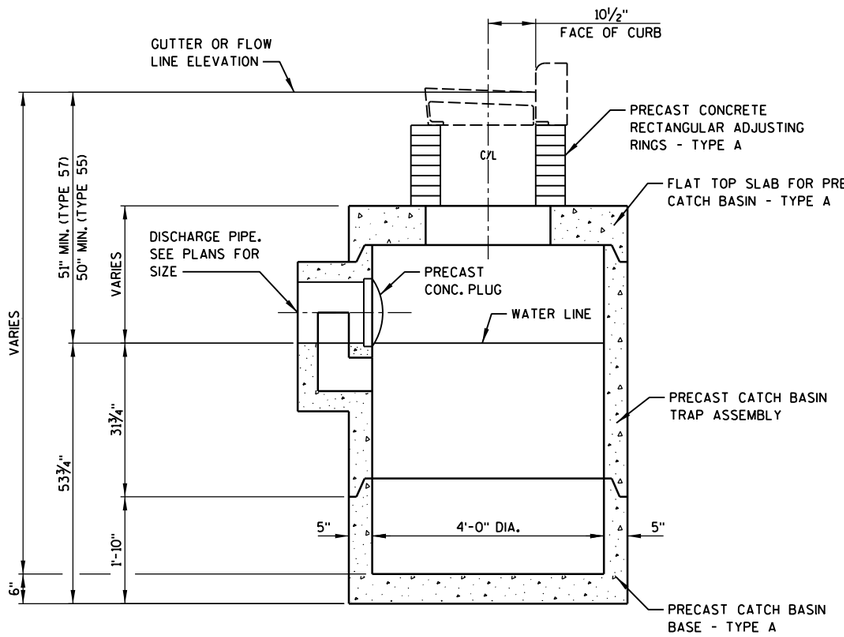
INLET COVERS TYPE MS 57

LID-145 LBS., FRAME-204 LBS.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SCALE, FEET 0 20 40	SHEET 20	E



PLAN

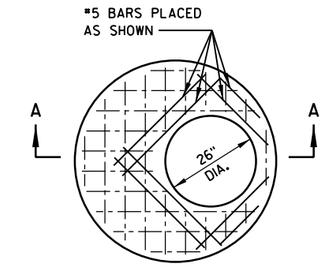


SECTION A-A

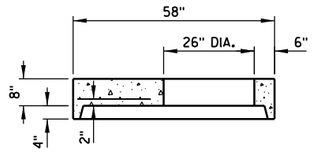
CATCH BASIN TYPE 44A

GENERAL NOTES

1. REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6"x6" W16xW16 WELDED STEEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.
2. PRECAST INLET UNITS AND BASES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.
3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 4" IN DEPTH WHICH MEETS REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
4. SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON PLAN.
5. A PRECAST CONCRETE PLUG SHALL BE CEMENTED INTO THE OPENING AT THE INNER FACE OF THE CATCH BASIN TRAP ASSEMBLY.



PLAN



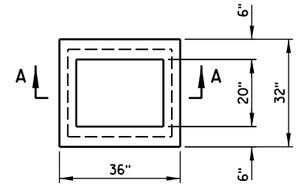
SECTION A-A

TOP SLAB - TYPE A

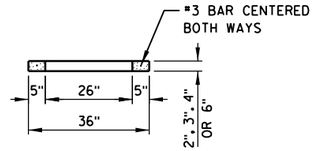
FLAT TOP SLAB SHALL BE 8" THICK REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT IN BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SECTION AS SHOWN.

REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.



PLAN



SECTION A-A

RECTANGULAR ADJUSTING RING - TYPE A

THE ADJUSTING RINGS SHALL BE 2", 3", 4" OR 6" IN HEIGHT.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3,300 P.S.I.

PLAN

CIRCUMFERENTIAL REINFORCEMENT SHALL CONSIST OF ONE LINE OF STEEL NOT LESS THAN 0.12 SQ. IN. PER LINEAL FOOT, AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.

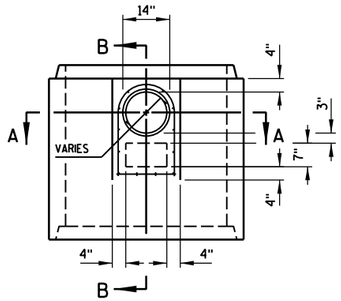
TRAP ASSEMBLY SHALL BE REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT IN BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SECTION AS SHOWN.

CIRCUMFERENTIAL AND TRAP ASSEMBLY REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

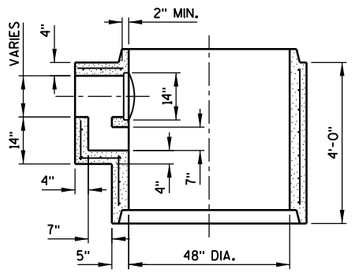
THIS TRAP ASSEMBY REINFORCED CONCRETE SHALL BE INTEGRAL WITH THE CIRCUMFERENTIAL REINFORCED CONCRETE WALL.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3300 P.S.I.

TWO HANDLING HOLES 2¼ INCHES IN DIAMETER SHALL BE CAST OR DRILLED IN THE WALL.



SECTION A-A



SECTION B-B

TRAP ASSEMBLY

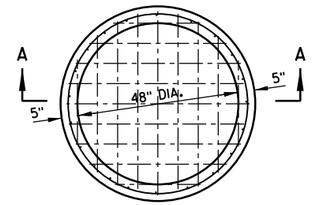
CIRCUMFERENTIAL REINFORCEMENT SHALL CONSIST OF ONE LINE OF STEEL NOT LESS THAN 0.12 SQ. IN. PER LINEAL FOOT, AND SHALL BE PLACED IN THE CENTER THIRD OF THE WALL.

BOTTOM SLAB SHALL BE REINFORCED WITH ONE LAYER OF STEEL WITH A MINIMUM AREA OF 0.12 SQ. IN. PER LINEAL FOOT BOTH DIRECTIONS, PLACED IN THE CENTER THIRD OF THE SLAB.

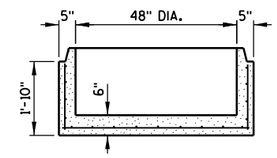
CIRCUMFERENTIAL AND BOTTOM SLAB REINFORCEMENT SHALL BE TIED OR WELDED TOGETHER.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE 3,300 P.S.I.

TWO HANDLING HOLES 2¼ INCH IN DIAMETER SHALL BE CAST OR DRILLED IN THE WALL.



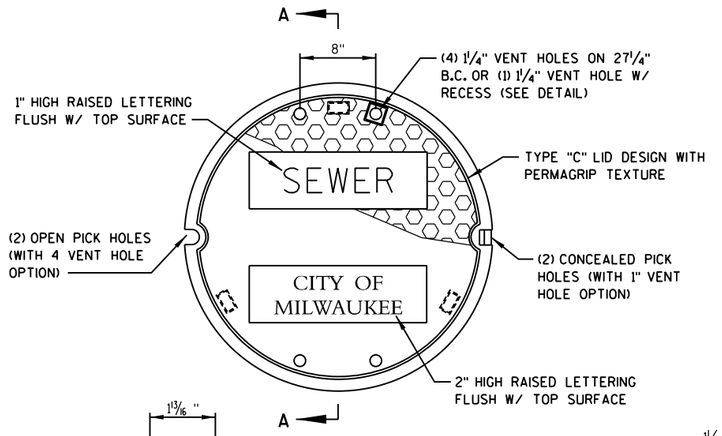
PLAN

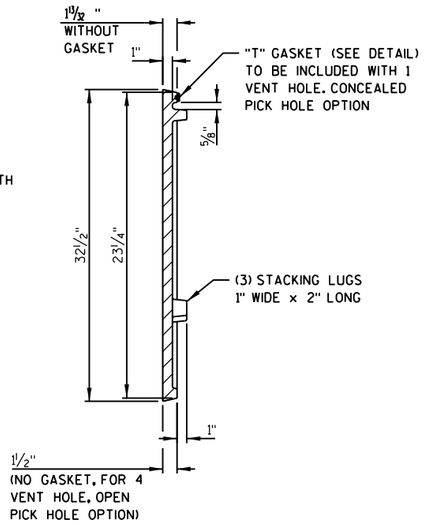


SECTION A-A

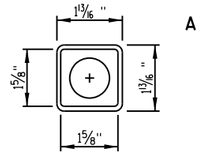
BASE ASSEMBLY

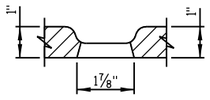
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SCALE, FEET 0 20 40	SHEET 21	E





SECTION A-A





RECESSED VENT DETAIL

NOTES:
ALL DIMENSIONS ARE SHOWN IN ENGLISH.

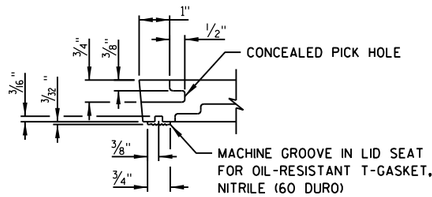
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 225 lbs.
MUST FIT (MS-33A) AND (MS-33B) FRAME

ALL CASTINGS SHALL BEAR THE FOLLOWING IDENTIFICATION MARKS IN THE FORM OF LEGIBLE LETTERS OR NUMBERS RAISED 1/8" AND HAVING A DIGIT OR LETTER HEIGHT OF 1-INCH ON THE UNDER SIDE OR TOP EDGE OF THE LID.

1. THE INITIALS OR MONOGRAM OF THE FOUNDRY.
2. THE CONTRACT NUMBER AND YEAR MADE.
3. THE CASTING IDENTIFICATION NUMBER (MS-23A)
4. THE SERIAL NUMBER OF THE CASTING.
   MUST FIT (MS56-2), (MS56-2.5), AND (MS56-3) ADJUSTING RING

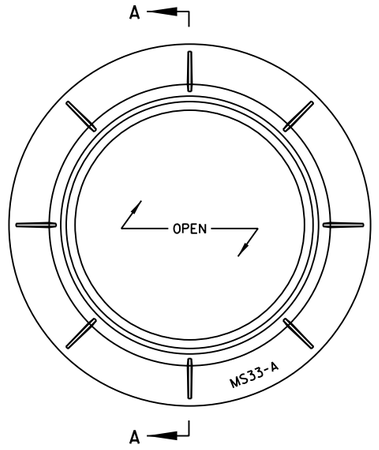
ALL EXTERIOR EDGES SHALL BE GROUND.

"T" GASKET TO BE FIRMLY ATTACHED TO LID.
"T" GASKET TO PROVIDE WATERTIGHT SEAL BETWEEN LID AND FRAME.



"T" GASKET DETAIL

MANHOLE COVERS TYPE MS 23-A
NOT TO SCALE



NOTES:
ALL DIMENSIONS ARE SHOWN IN ENGLISH.

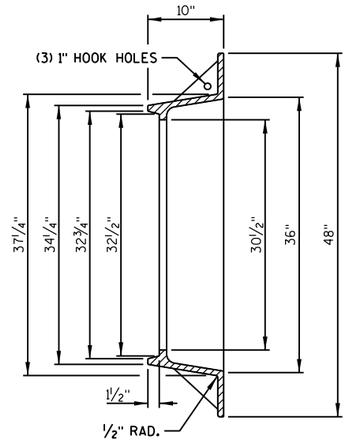
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 527 lbs.

ALL CASTINGS SHALL BEAR THE FOLLOWING IDENTIFICATION MARKS IN THE FORM OF LEGIBLE LETTERS OR NUMBERS RAISED 1/8" AND HAVING A DIGIT OR LETTER HEIGHT OF 1-INCH ON THE UPPER FACE OF THE FRAME FLANGE.

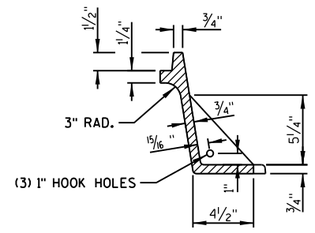
1. THE INITIALS OR MONOGRAM OF THE FOUNDRY.
2. THE CONTRACT NUMBER AND YEAR MADE.
3. THE CASTING IDENTIFICATION NUMBER (MS-33A)
4. THE SERIAL NUMBER OF THE MANHOLE CASTING.

ALL EXTERIOR EDGES SHALL BE GROUND.

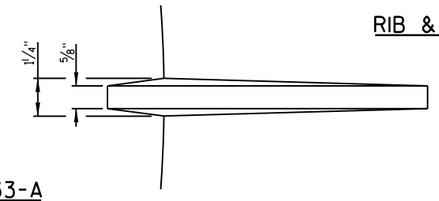
1. MUST FIT (6-A), (MS 23-A), AND (MS-24) LID.
2. MUST FIT (M56-2), (MS56-2.5) AND (MS56-3) ADJUSTING RING.



SECTION A-A



RIB & FRAME DETAIL



RIB DETAIL

MS 33-A
MS 33-A INCLUDED WITH MANHOLE COVERS TYPE MS 23-A BID ITEM
NOT TO SCALE

NOTES:
ALL DIMENSIONS ARE SHOWN IN ENGLISH.

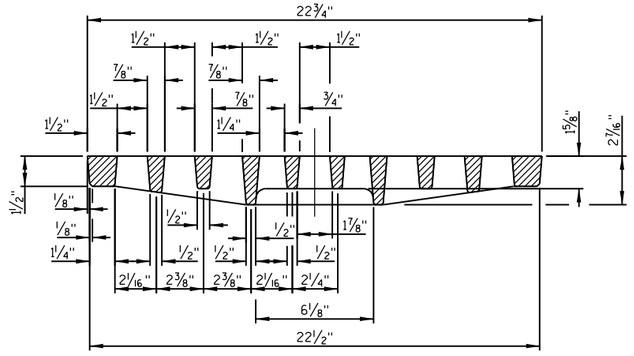
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 120 lbs.

ALL CASTINGS SHALL BEAR THE FOLLOWING IDENTIFICATION MARKS IN THE FORM OF LEGIBLE LETTERS OR NUMBERS RAISED 1/8" AND HAVING A DIGIT OR LETTER HEIGHT OF 1-INCH.

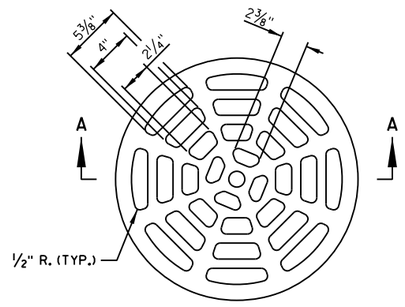
1. THE INITIALS OR MONOGRAM OF THE FOUNDRY.
2. THE CONTRACT NUMBER AND YEAR MADE.
3. THE CASTING IDENTIFICATION NUMBER (MS-60)
4. THE SERIAL NUMBER OF THE MANHOLE CASTING.

ALL EXTERIOR EDGES SHALL BE GROUND.
MUST FIT (MS-21) FRAME

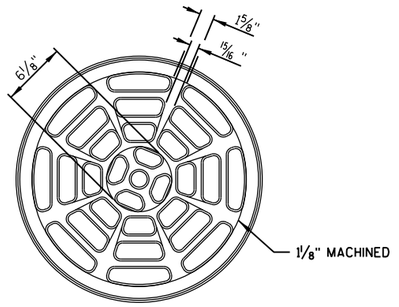
1. MUST FIT (MS42-1), (MS-42-1.5), (MS42-2), (MS42-2.5), AND (42-3) ADJUSTING RING.



SECTION A-A



TOP VIEW



BOTTOM VIEW

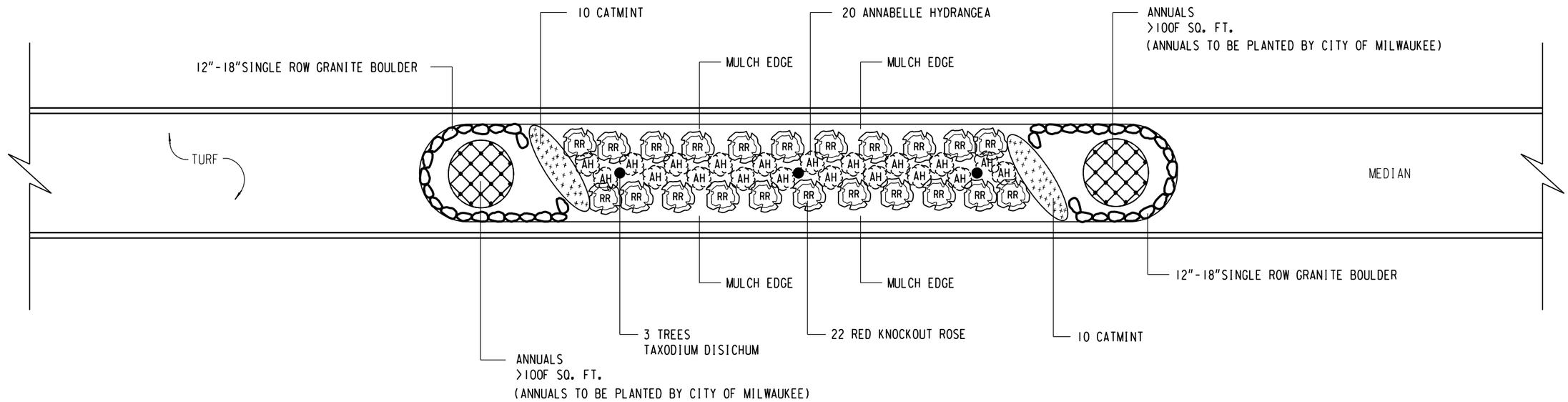
INLET COVERS TYPE MS-60

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 22	E

2

SIGNATURE BED DETAIL
(TYPE 3)

N



NO.	LOCATIONS
1.	114 + 60 TO 115 + 00

LEGEND

RR RED KNOCKOUT ROSE

AH ANNABELLE HYDRANGEA

NOTE:

IF SIZE ALLOWS - A MINIMUM 5' TURF BOARDER IS ACCEPTABLE.

SHREDDED BARK MULCH AROUND ALL TREES AND IN BED 3-4" DEPTH. SHOVEL CUT BED EDGE.

ESTIMATE OF QUANTITIES

ITEM	UNIT	TOTAL
SHRUBS AND PERRENIALS		
CATMINT 'BLUE WONDER'	EACH	20
HYDRANGEA 'ANNABELLE'	EACH	20
ROSE 'KNOCKOUT RED'	EACH	22
TREES		
TAXODIUM DISTICHUM 'BALD CYPRESS'	EACH	3

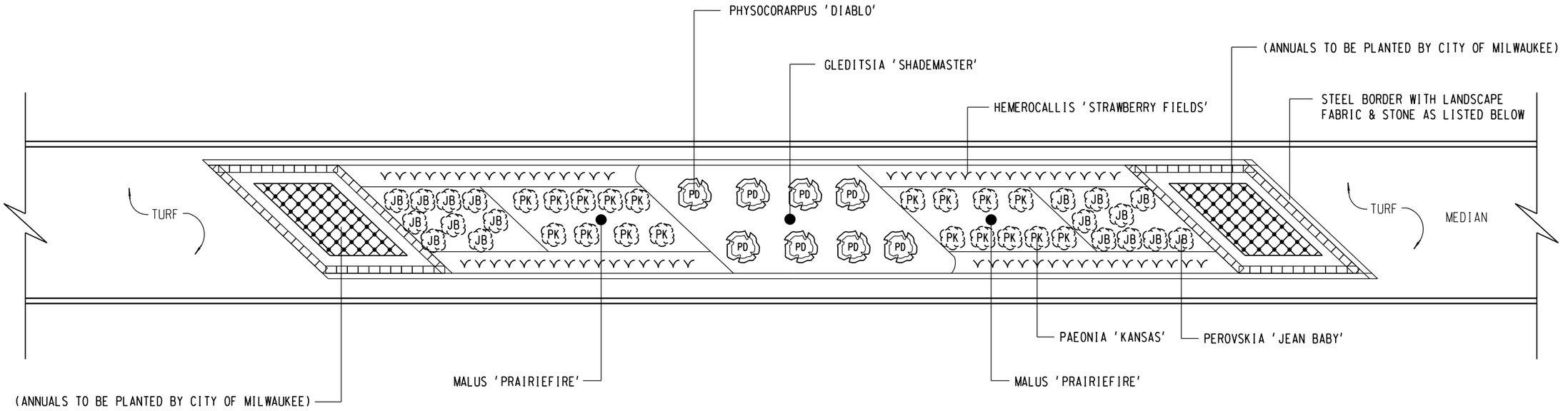
STATE PROJECT NUMBER 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL	SCALE FEET 0' 10'	SHEET NO: 23	E

FILENAME: W:\SPR\HUMBOLDT_NORTH-KEEFE\DESIGN\SIGNATURE BEDS.DGN

REVISED DATE: 08-09-2021 BY SB

SIGNATURE BED DETAIL
(TYPE 4)

N



LEGEND

PK	PAEONIA 'KANSAS'
PD	PHYSOCARPUS 'DIABLO'
JB	PEROVSKIA 'JEAN BABY'

NO.	LOCATIONS
1.	114 + 55 TO 142 + 15

NOTE:
RAISED ANNUAL BEDS 10'X12' CONSTRUCTED OF LIMESTONE BLOCKS - 4"X8"X12" IN SIZE FRONT WALL IS 18" ABOVE GRADE WITH SIDE WALLS GRADUATING UP TO MEET BACK WALL. AREA TO BE FILLED WITH 18" OF BLENDED SOIL.

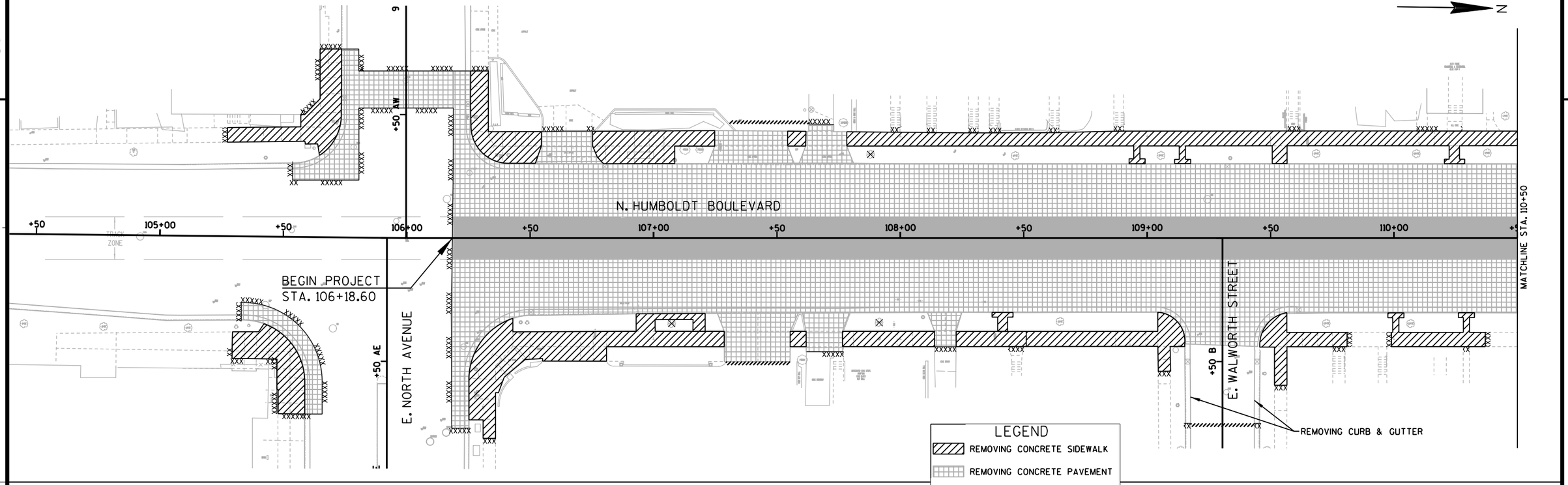
PERENNIAL AREA IS TO BE FILLED WITH 18" OF BLENDED SOIL, SLOPING DOWN TO GRADE. AT GRADE, 2' FROM CURB, STEEL EDGING WILL BE INSTALLED. LANDSCAPE FABRIC WILL BE INSTALLED IN THE 2' FLAT BORDER & 2" OF RAVEN BLACK IN 1.5" SIZE STONE.

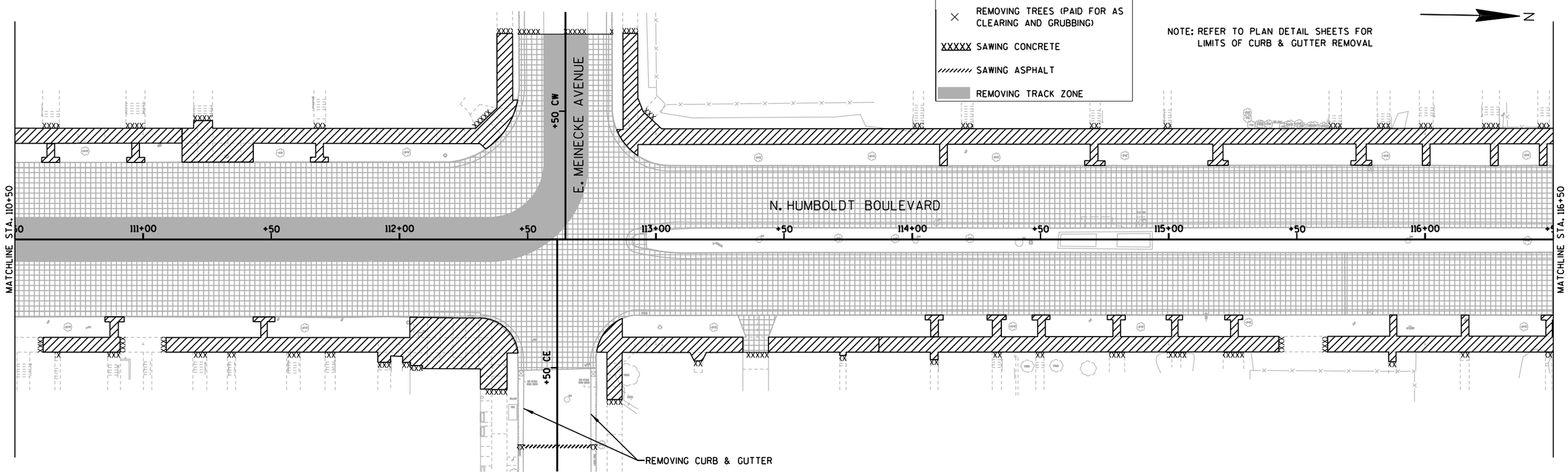
SHREDDED BARK MULCH AROUND ALL TREES AND IN BED 3-4" DEPTH. SHOVEL CUT BED EDGE.

ESTIMATE OF QUANTITIES

ITEM	UNIT	TOTAL
SHRUBS AND PERRENIALS		
PAEONIA 'KANSAS'	EACH	18
PHYSOCARPUS 'DIABLO'	EACH	8
PEROVSKIA 'JEAN BABY'	EACH	18
HEMEROCALLIS 'STRAWBERRY FIELDS'	EACH	64
TREES		
GLEDITSIA 'SHADEMASTER'	EACH	1
MALUS PRARIEFIRE	EACH	2

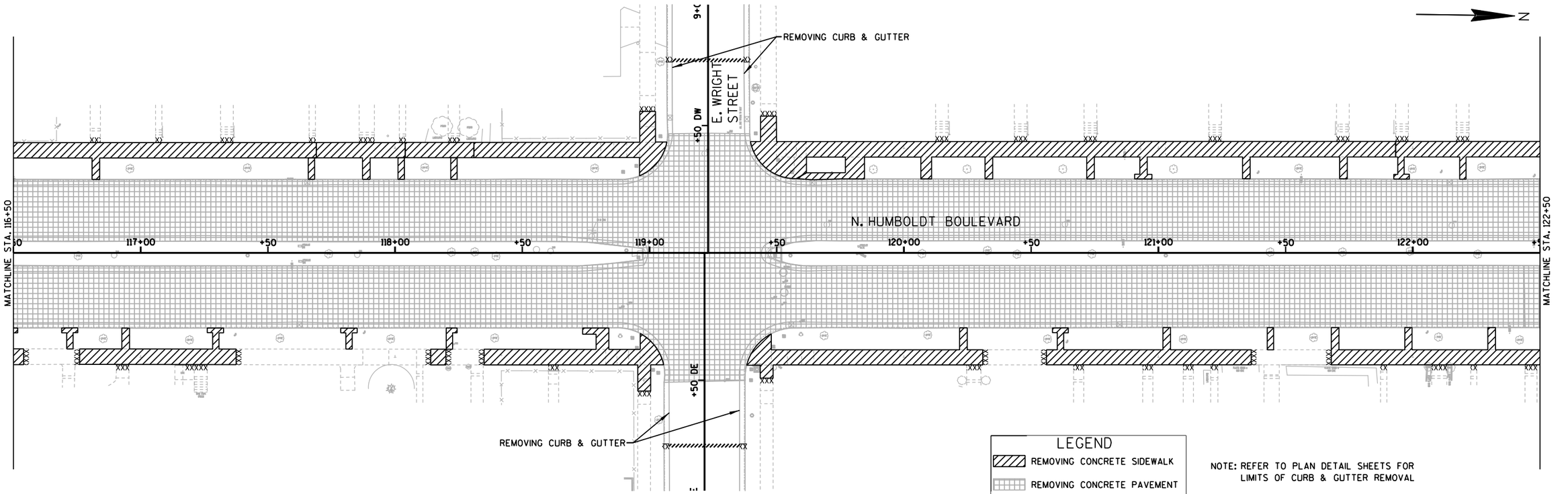
STATE PROJECT NUMBER 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL	SCALE FEET 0' 10'	SHEET NO: 24	E





PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	REMOVAL PLAN	SCALE, FEET 0 20 40	SHEET 25	E

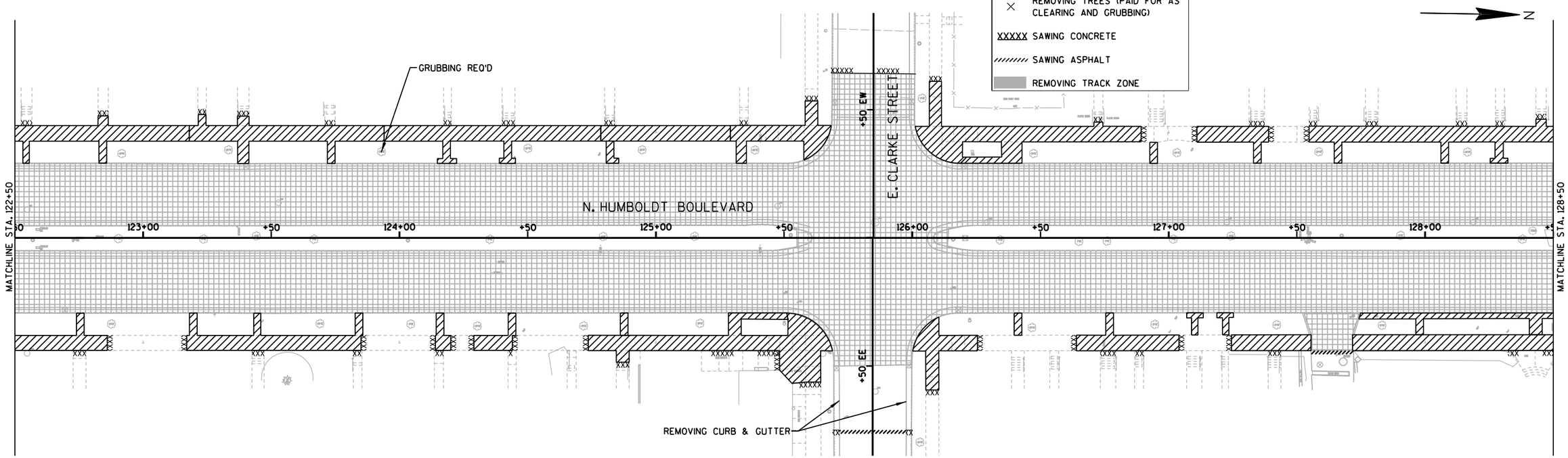
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WISDOT/CADDS SHEET 42



LEGEND

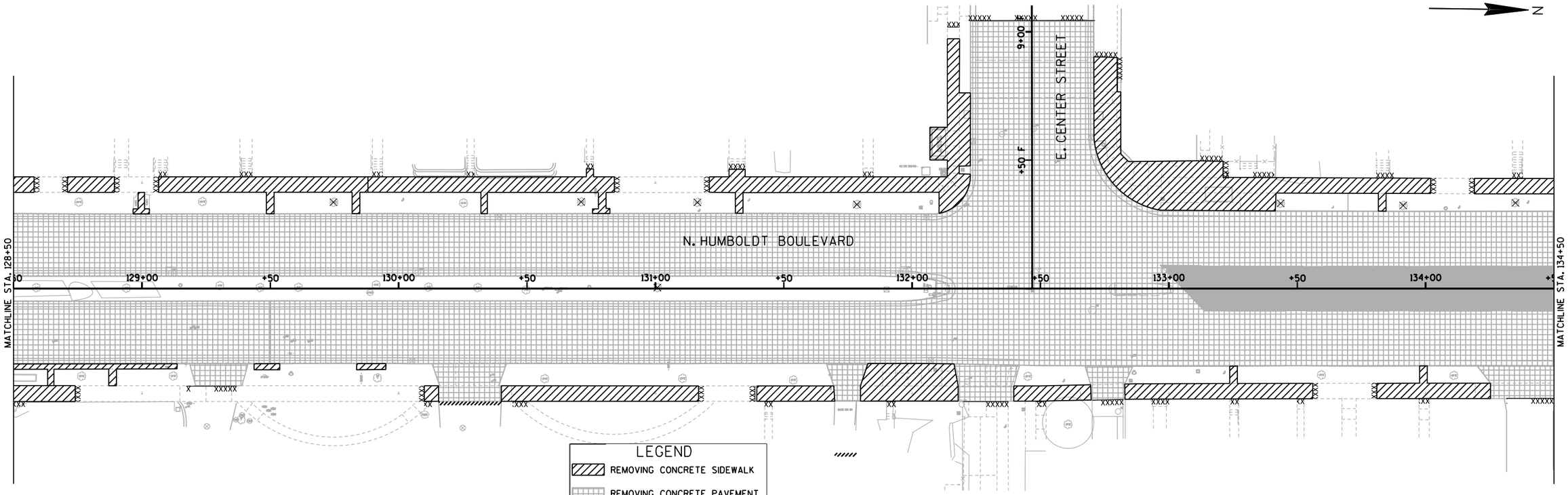
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING TREES (PAID FOR AS CLEARING AND GRUBBING)
- XXXXX SAWING CONCRETE
- SAWING ASPHALT
- REMOVING TRACK ZONE

NOTE: REFER TO PLAN DETAIL SHEETS FOR LIMITS OF CURB & GUTTER REMOVAL



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	REMOVAL PLAN	SCALE, FEET 0 20 40	SHEET	E

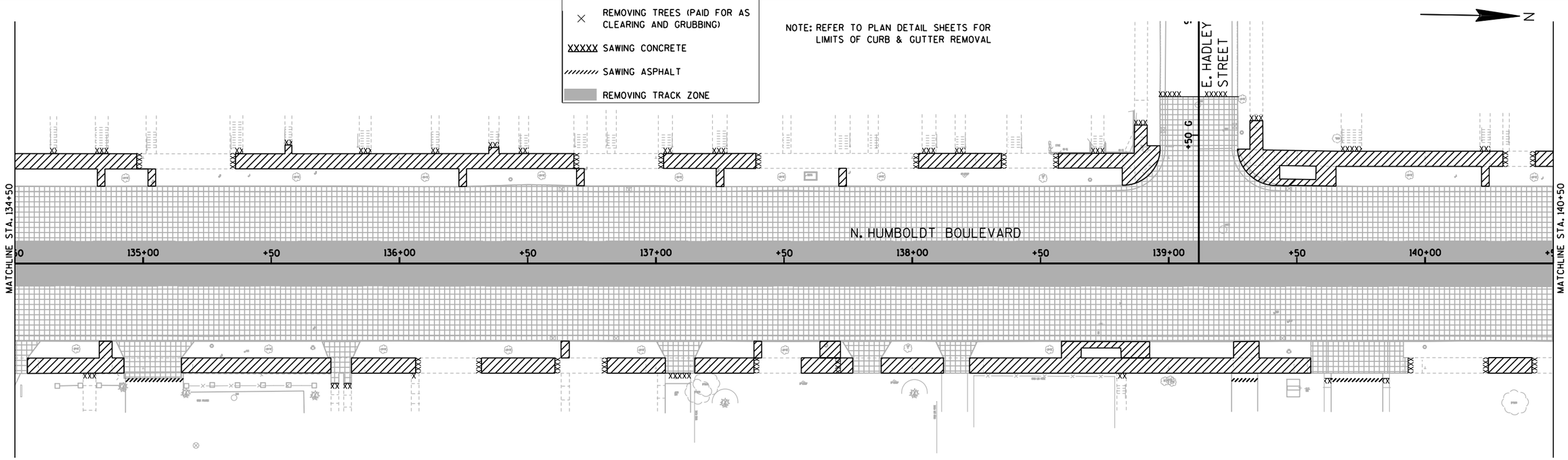
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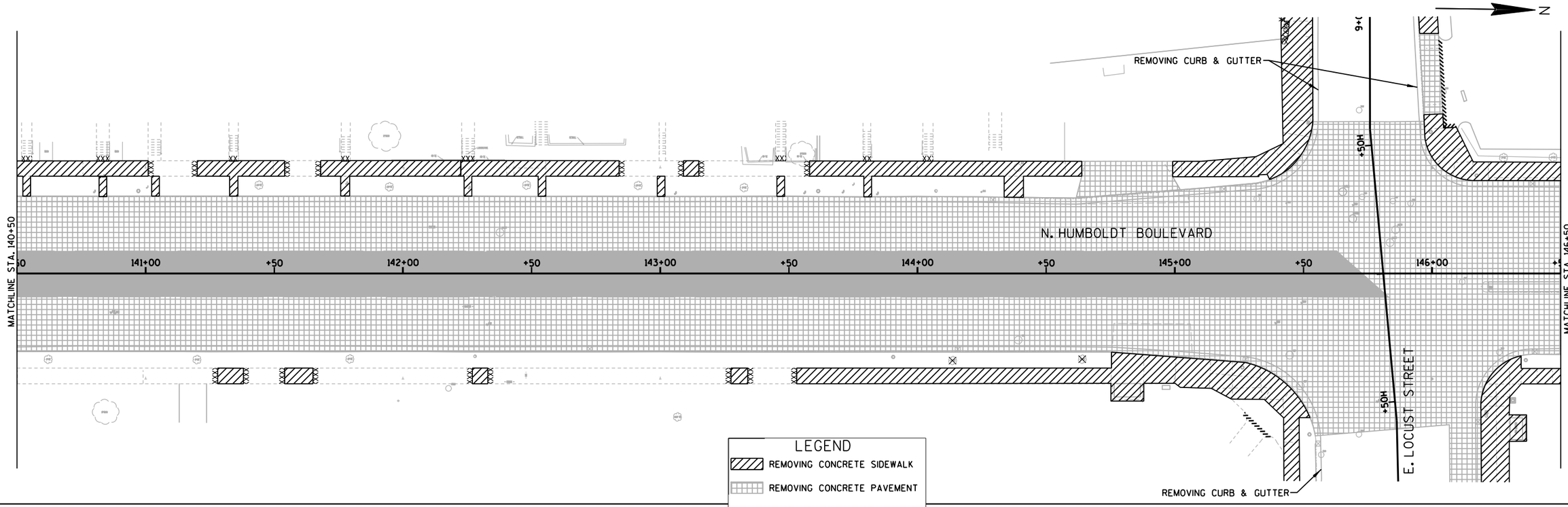
LEGEND

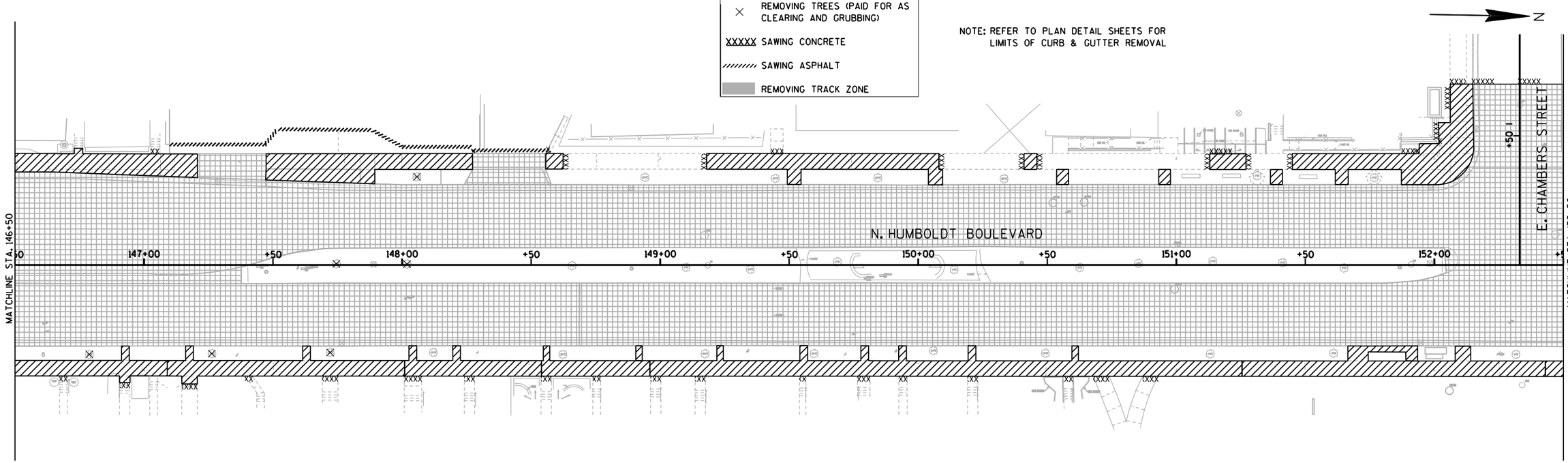
- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- × REMOVING TREES (PAID FOR AS CLEARING AND GRUBBING)
- XXXXX SAWING CONCRETE
- SAWING ASPHALT
- REMOVING TRACK ZONE

NOTE: REFER TO PLAN DETAIL SHEETS FOR LIMITS OF CURB & GUTTER REMOVAL



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	REMOVAL PLAN	SCALE, FEET 0 20 40	SHEET 27	E





PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	REMOVAL PLAN	SCALE, FEET 0 20 40	SHEET 28	E

2

N

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 152+50

153+00 +50 154+00 +50 155+00 +50 156+00 +50 157+00 +50 158+00

MATCHLINE STA. 158+50

+50 J

E. CHAMBERS STREET

REMOVING CURB & GUTTER

LEGEND

- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- REMOVING TREES (PAID FOR AS CLEARING AND GRUBBING)
- XXXXX SAWING CONCRETE
- SAWING ASPHALT
- REMOVING TRACK ZONE

N

NOTE: REFER TO PLAN DETAIL SHEETS FOR LIMITS OF CURB & GUTTER REMOVAL

REMOVING CURB & GUTTER

+50 K

E. BURLEIGH STREET

MATCHLINE STA. 158+50

159+00 +50 160+00 +50 161+00 +50 162+00 +50 163+00 +50 164+00

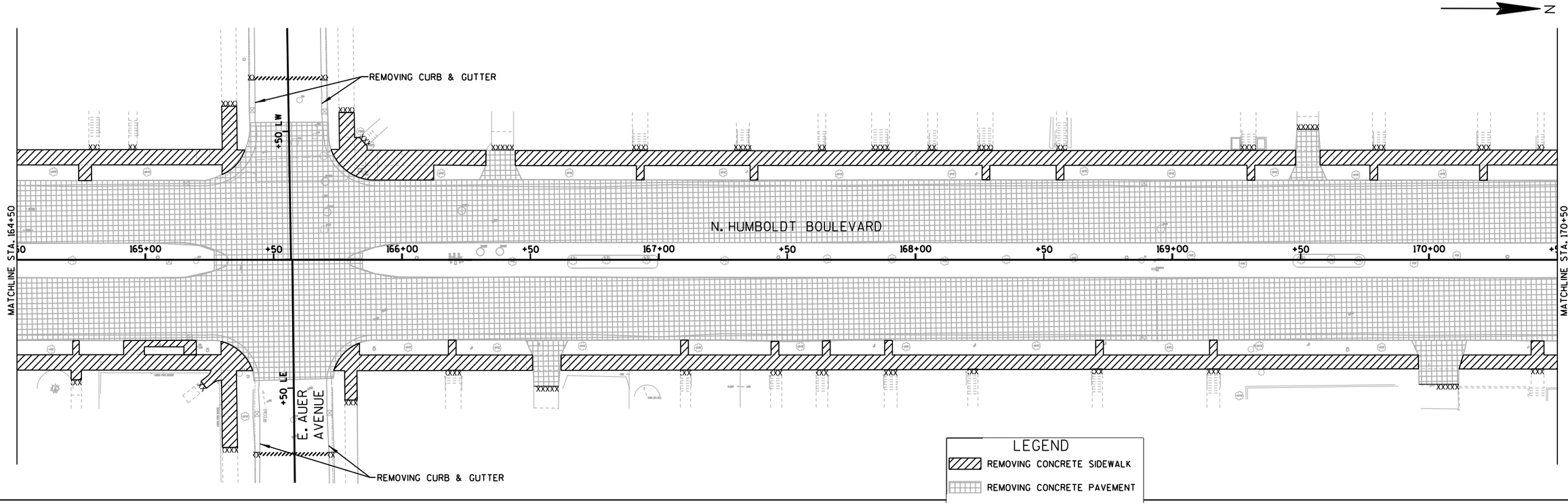
MATCHLINE STA. 164+50

+50 K

REMOVING CURB & GUTTER

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	REMOVAL PLAN	SCALE, FEET 0 20 40	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\021005_cd.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

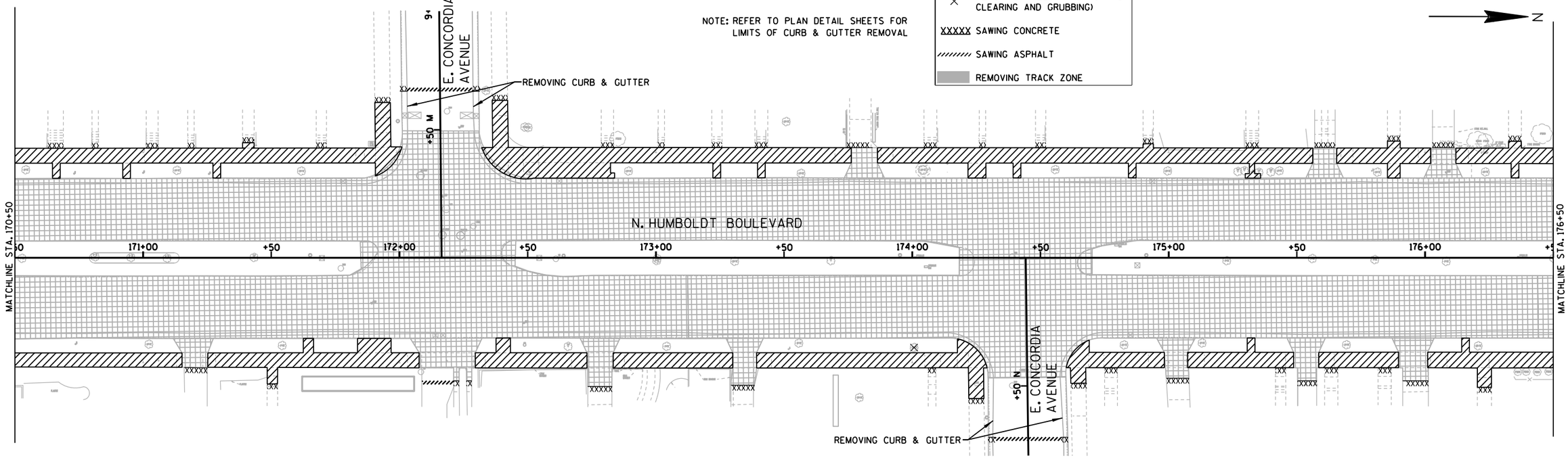


2

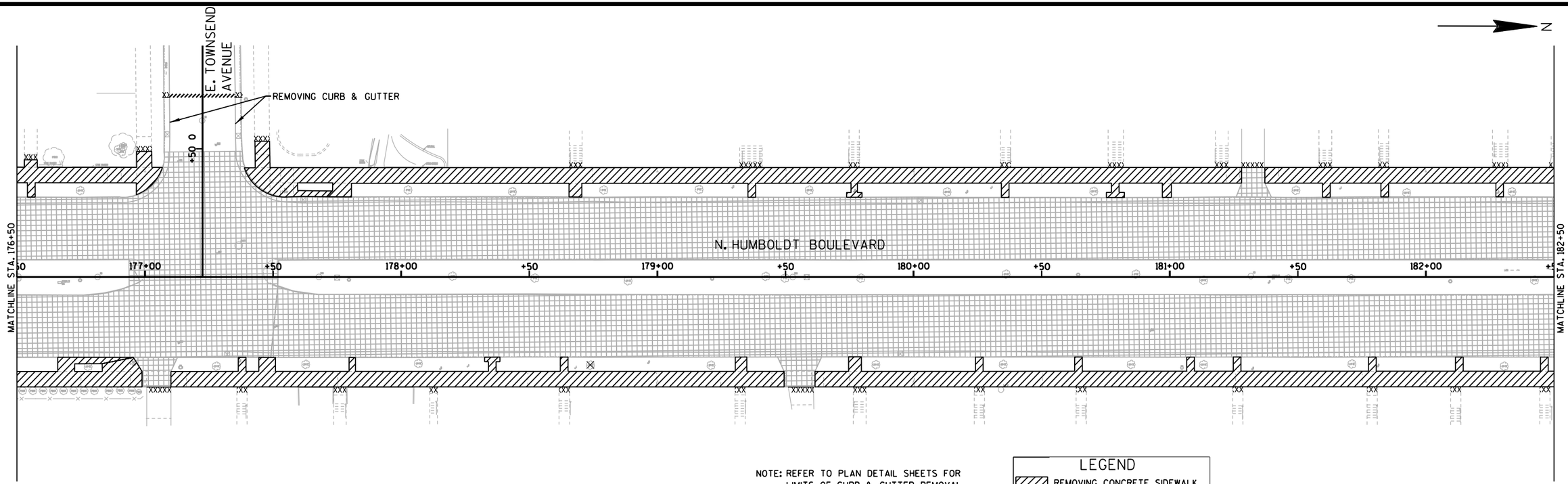
LEGEND

- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- × REMOVING TREES (PAID FOR AS CLEARING AND GRUBBING)
- XXXXX SAWING CONCRETE
- SAWING ASPHALT
- REMOVING TRACK ZONE

NOTE: REFER TO PLAN DETAIL SHEETS FOR LIMITS OF CURB & GUTTER REMOVAL



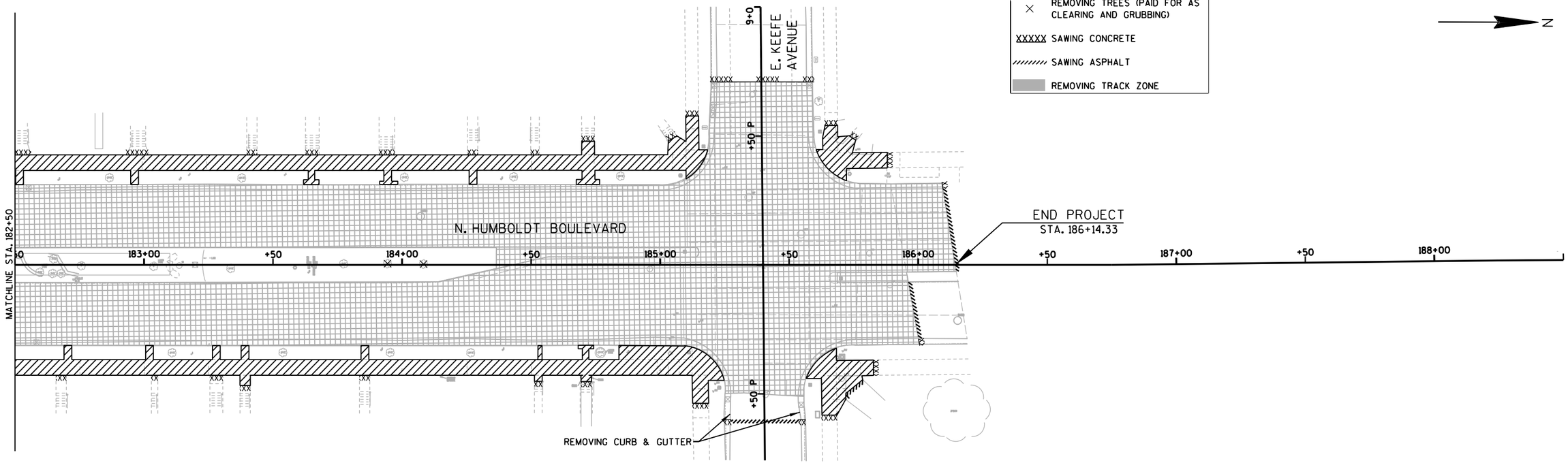
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	REMOVAL PLAN	SCALE, FEET 0 20 40	SHEET 30	E



NOTE: REFER TO PLAN DETAIL SHEETS FOR LIMITS OF CURB & GUTTER REMOVAL

LEGEND

- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- × REMOVING TREES (PAID FOR AS CLEARING AND GRUBBING)
- XXXXX SAWING CONCRETE
- //////// SAWING ASPHALT
- REMOVING TRACK ZONE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	REMOVAL PLAN	SCALE, FEET 0 20 40	SHEET 31	E

2

N

E. LOCUST STREET

7+00 H | +50 H | 8+00 H | +50 H | 9+00 H | +50 H | 10+00 H | +50H | 11+00 H | +50H | 12+00 H | +50 H | 13+00 H

REMOVING CURB & GUTTER

REMOVING CURB & GUTTER

+50 | 146+00 | +50 | +00

N. HUMBOLDT BOULEVARD

NOTE: REFER TO PLAN DETAIL SHEETS FOR LIMITS OF CURB & GUTTER REMOVAL

LEGEND

- REMOVING CONCRETE SIDEWALK
- REMOVING CONCRETE PAVEMENT
- × REMOVING TREES (PAID FOR AS CLEARING AND GRUBBING)
- XXXXX SAWING CONCRETE
- SAWING ASPHALT
- REMOVING TRACK ZONE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	REMOVAL PLAN	SCALE, FEET 0 20 40	SHEET 32	E

2

A POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
A101	105+74.76	76.32'LT	2,561,676.08	393,451.48	MATCH EX.
A102	105+75.08	49.21'LT	2,561,703.19	393,451.95	
A103	105+53.39	28.01'LT	2,561,724.51	393,430.37	MATCH EX.
A104	105+54.08	49.00'LT	2,561,703.51	393,430.95	R=21'
A105	105+33.24	31.78'RT	2,561,784.41	393,410.55	MATCH EX.
A106	105+61.40	61.76'RT	2,561,814.24	393,438.88	
A107	105+61.51	71.68'RT	2,561,824.15	393,439.04	MATCH EX.
A108	105+34.36	58.76'RT	2,561,811.38	393,411.83	R=27'
A109	106+25.20	76.98'RT	2,561,828.85	393,503.59	MATCH EX.
A110	106+23.12	53.58'RT	2,561,805.46	393,501.13	
A111	106+47.12	31.50'RT	2,561,782.99	393,524.77	
A112	106+47.12	53.50'RT	2,561,804.99	393,525.13	R=24'
A113	106+40.89	29.50'LT	2,561,722.10	393,517.55	
A114	106+23.89	46.50'LT	2,561,705.37	393,500.27	
A115	106+23.90	67.70'LT	2,561,684.18	393,499.93	MATCH EX.
A116	106+40.89	46.50'LT	2,561,705.10	393,517.27	R=17'
A117	106+44.20	3.00'RT	2,561,754.54	393,521.38	
A118	106+44.20	7.50'RT	2,561,758.58	393,522.92	
A119	105+33.24	26.78'RT	2,561,779.41	393,410.53	MATCH EX.
A120	105+66.51	71.62'RT	2,561,824.07	393,444.04	MATCH EX.
A121	105+53.52	23.01'LT	2,561,729.51	393,430.53	MATCH EX.
A122	105+79.76	76.39'LT	2,561,675.98	393,456.48	MATCH EX.
A123	106+97.00	38.00'RT	2,561,788.67	393,574.75	
A124	107+17.00	38.00'RT	2,561,788.35	393,594.74	
A125	107+61.98	46.00'RT	2,561,795.61	393,639.85	MATCH EX.
A126	107+76.98	46.00'RT	2,561,795.37	393,654.85	MATCH EX.

A POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
A127	107+75.88	29.50'RT	2,561,773.56	393,652.32	
A128	108+75.88	27.75'RT	2,561,775.51	393,753.44	
A129	108+13.79	44.00'RT	2,561,792.77	393,691.61	MATCH EX.
A130	108+22.59	44.00'RT	2,561,792.63	393,700.41	MATCH EX.
A131	108+45.14	38.00'RT	2,561,786.26	393,722.86	
A132	108+49.14	38.00'RT	2,561,786.20	393,726.86	
A133	108+50.00	44.00'RT	2,561,792.18	393,727.83	
A134	108+60.00	43.80'RT	2,561,791.82	393,737.82	
A135	106+55.00	43.10'LT	2,561,708.27	393,531.43	MATCH EX.
A136	106+64.00	43.33'LT	2,561,707.89	393,540.43	MATCH EX.
A137	107+75.88	29.50'LT	2,561,719.90	393,652.52	
A138	107+50.00	43.33'LT	2,561,706.49	393,626.41	
A139	108+25.88	27.75'LT	2,561,720.83	393,702.54	
A140	108+15.00	42.66'LT	2,561,706.10	393,691.42	
A141	107+75.94	3.00'RT	2,561,752.39	393,653.10	
A142	108+55.99	5.80'LT	2,561,742.27	393,733.26	
A143	108+64.00	42.67'LT	2,561,705.30	393,740.41	
A144	108+92.42	27.75'LT	2,561,719.75	393,769.07	
A145	108+98.42	21.75'LT	2,561,725.65	393,775.17	
A146	108+98.42	21.75'LT	2,561,725.65	393,775.17	
A147	108+86.49	43.33'LT	2,561,704.27	393,762.89	
A148	108+87.49	37.33'LT	2,561,710.25	393,763.98	
A149	108+90.49	37.33'LT	2,561,710.20	393,766.98	
A150	108+78.14	5.75'LT	2,561,741.98	393,755.15	
A151	108+98.03	2.36'LT	2,561,745.05	393,775.09	
A152	108+98.03	2.36'RT	2,561,749.76	393,775.17	
A153	108+78.14	5.75'RT	2,561,753.48	393,755.34	
A154	108+75.88	5.75'RT	2,561,753.51	393,753.08	
A155	107+75.88	7.50'RT	2,561,756.89	393,653.12	

A POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
A156	108+87.68	27.75'RT	2,561,775.32	393,765.23	
A157	108+93.68	21.75'RT	2,561,769.22	393,771.13	
A158	109+62.43	21.75'LT	2,561,724.61	393,839.17	
A159	109+00.51	21.75'RT	2,561,769.11	393,777.96	
A160	109+17.51	38.75'RT	2,561,785.83	393,795.24	
A161	109+17.51	75.00'RT	2,561,822.08	393,795.83	MATCH EX.
A162	109+43.51	75.00'RT	2,561,821.65	393,821.82	MATCH EX.
A163	109+43.51	38.75'RT	2,561,785.41	393,821.23	
A164	109+60.51	21.75'RT	2,561,768.13	393,837.95	
A165	109+59.93	2.36'RT	2,561,748.75	393,837.06	
A166	109+59.93	2.36'LT	2,561,744.04	393,836.98	
A167	109+79.82	5.75'LT	2,561,740.32	393,856.81	
A168	109+79.82	5.75'RT	2,561,751.82	393,857.00	
A169	109+68.43	27.75'LT	2,561,718.51	393,845.07	
A170	109+67.33	21.75'RT	2,561,768.02	393,844.78	
A171	109+73.33	27.75'RT	2,561,773.92	393,850.88	
A172	110+22.87	37.33'LT	2,561,708.04	393,899.35	
A173	110+26.87	37.16'LT	2,561,708.15	393,903.34	
A174	109+81.00	44.00'RT	2,561,790.05	393,858.81	MATCH EX.
A175	109+99.00	44.00'RT	2,561,789.75	393,876.80	MATCH EX.
A176	109+93.87	38.19'RT	2,561,784.02	393,871.58	
A177	109+96.87	38.19'RT	2,561,783.98	393,874.58	
A178	110+27.82	38.00'RT	2,561,783.28	393,905.52	
A179	110+30.82	38.00'RT	2,561,783.24	393,908.52	
A180	110+37.00	44.00'RT	2,561,789.13	393,914.80	MATCH EX.
A181	106+35.99	49.10'LT	2,561,702.58	393,512.33	
A182	106+33.10	55.03'LT	2,561,696.69	393,509.34	
A183	105+64.32	56.08'LT	2,561,696.37	393,441.15	
A184	105+58.15	49.62'LT	2,561,702.87	393,435.02	

A POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
A185	105+56.59	44.64'LT	2,561,707.86	393,433.48	
A186	105+26.99	38.00'LT	2,561,714.67	393,403.93	MATCH EX.
A187	105+29.71	49.50'RT	2,561,802.15	393,407.13	MATCH EX.
A188	105+42.51	41.00'RT	2,561,793.58	393,419.87	
A189	105+48.58	61.85'RT	2,561,814.39	393,426.06	
A193	105+48.68	71.70'RT	2,561,824.24	393,426.22	MATCH EX.
A194	106+36.00	81.13'RT	2,561,832.79	393,514.46	MATCH EX.
A195	106+36.00	61.00'RT	2,561,812.67	393,514.13	
A196	106+42.00	50.00'RT	2,561,801.57	393,519.95	
A197	106+60.00	44.00'RT	2,561,795.28	393,537.85	
A198	108+78.14	54.25'RT	2,561,801.97	393,756.13	R=60'
A199	108+78.14	54.25'LT	2,561,693.49	393,754.36	R=60'
A200	109+79.82	54.25'LT	2,561,691.83	393,856.02	R=60'
A201	109+79.82	54.25'RT	2,561,800.31	393,857.79	R=60'
A202	109+00.51	38.75'RT	2,561,786.11	393,778.24	R=17'
A203	109+60.51	38.75'RT	2,561,785.13	393,838.23	R=17'
A204	107+30.80	46.33'LT	2,561,703.80	393,607.17	MATCH EX.
A205	107+62.91	46.20'LT	2,561,703.31	393,639.27	MATCH EX.
A206	107+73.03	46.09'LT	2,561,703.35	393,649.40	MATCH EX.
A207	105+79.87	67.46'LT	2,561,684.94	393,456.63	MATCH EX.
A208	105+80.04	52.46'LT	2,561,699.91	393,456.89	MATCH EX.
A209	106+18.90	52.70'LT	2,561,699.26	393,495.18	MATCH EX.
A210	105+80.38	23.30'LT	2,561,729.07	393,457.39	MATCH EX.
A212	107+04.20	49.50'RT	2,561,800.06	393,582.13	
A213	107+17.80	49.50'RT	2,561,800.06	393,582.13	
A214	106+80.58	37.33'LT	2,561,713.64	393,557.10	
A215	107+00.58	37.33'LT	2,561,713.29	393,577.10	
A216	107+29.30	50.00'RT	2,561,800.15	393,607.24	MATCH EX.
A217	107+55.30	50.00'RT	2,561,799.72	393,633.23	MATCH EX.
A218	106+76.00	43.33'LT	2,561,707.70	393,552.42	MATCH EX.

2

N

BEGIN CONSTRUCTION
STA. 105+26.93

BEGIN PROJECT
STA. 106+18.47

N. HUMBOLDT BOULEVARD

E. NORTH AVENUE

E. WALWORTH STREET

END CONSTRUCTION
STA. 10+75.00 B

MATCHLINE STA. 110+50

CONCRETE CURB PEDESTRIAN (6" HEIGHT)

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

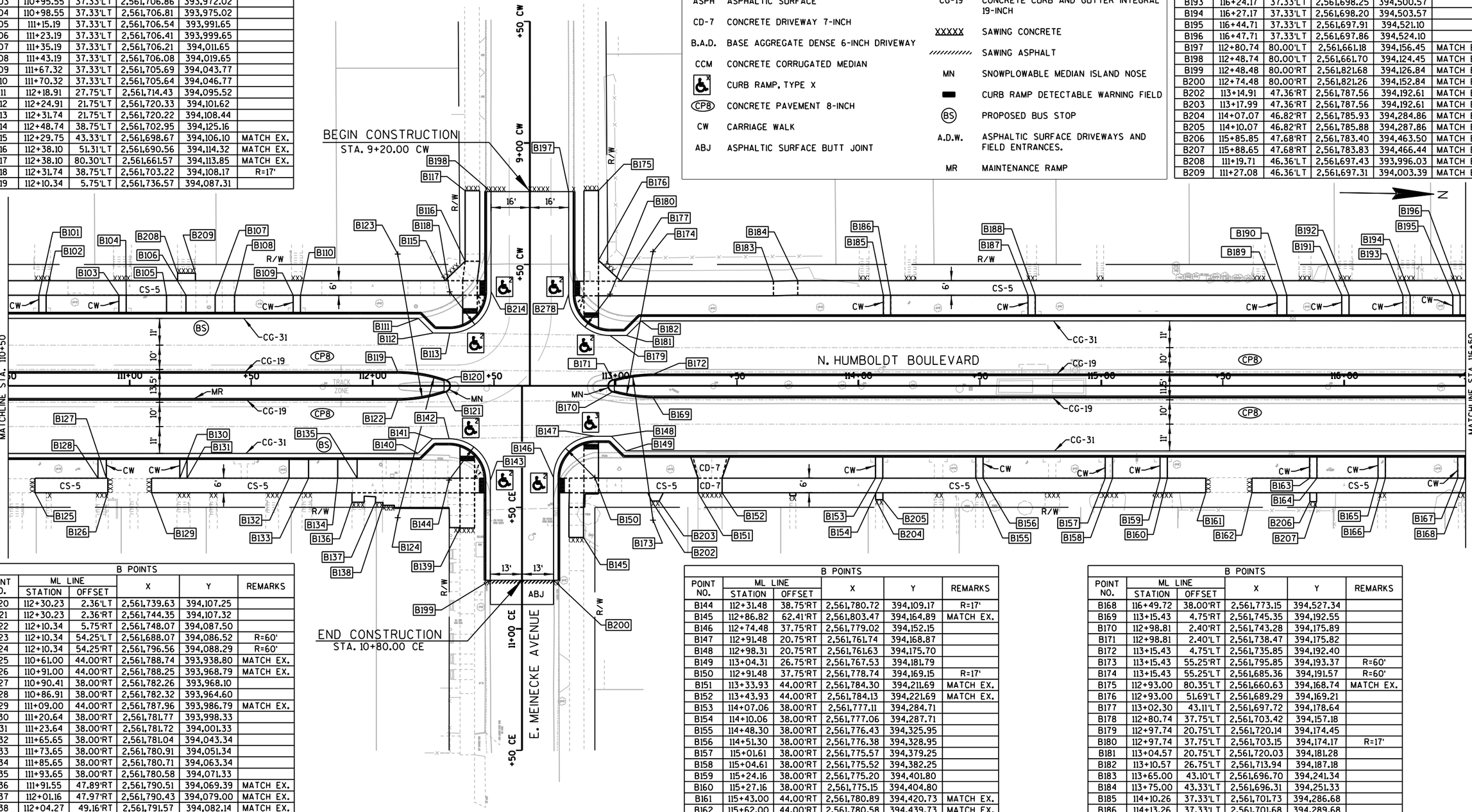
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 33	E

B POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
B101	110+62.60	37.33'LT	2,561,707.39	393,939.07	
B102	110+65.60	37.33'LT	2,561,707.35	393,942.07	
B103	110+95.55	37.33'LT	2,561,706.86	393,972.02	
B104	110+98.55	37.33'LT	2,561,706.81	393,975.02	
B105	111+15.19	37.33'LT	2,561,706.54	393,991.65	
B106	111+23.19	37.33'LT	2,561,706.41	393,999.65	
B107	111+35.19	37.33'LT	2,561,706.21	394,011.65	
B108	111+43.19	37.33'LT	2,561,706.08	394,019.65	
B109	111+67.32	37.33'LT	2,561,705.69	394,043.77	
B110	111+70.32	37.33'LT	2,561,705.64	394,046.77	
B111	112+18.91	27.75'LT	2,561,714.43	394,095.52	
B112	112+24.91	21.75'LT	2,561,720.33	394,101.62	
B113	112+31.74	21.75'LT	2,561,720.22	394,108.44	
B114	112+48.74	38.75'LT	2,561,702.95	394,125.16	
B115	112+29.75	43.33'LT	2,561,698.67	394,106.10	MATCH EX.
B116	112+38.10	51.31'LT	2,561,690.56	394,114.32	MATCH EX.
B117	112+38.10	80.30'LT	2,561,661.57	394,113.85	MATCH EX.
B118	112+31.74	38.75'LT	2,561,703.22	394,108.17	R=17'
B119	112+10.34	5.75'LT	2,561,736.57	394,087.31	

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH
ASPH	ASPHALTIC SURFACE
CD-7	CONCRETE DRIVEWAY 7-INCH
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY
CCM	CONCRETE CORRUGATED MEDIAN
	CURB RAMP, TYPE X
CP8	CONCRETE PAVEMENT 8-INCH
CW	CARRIAGE WALK
ABJ	ASPHALTIC SURFACE BUTT JOINT
CG-31	CONCRETE CURB AND GUTTER 31-INCH
CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
XXXXX	SAWING CONCRETE
	SAWING ASPHALT
MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP DETECTABLE WARNING FIELD
BS	PROPOSED BUS STOP
A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
MR	MAINTENANCE RAMP

B POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
B192	116+01.99	37.33'LT	2,561,698.61	394,478.39	
B193	116+24.17	37.33'LT	2,561,698.25	394,500.57	
B194	116+27.17	37.33'LT	2,561,698.20	394,503.57	
B195	116+44.71	37.33'LT	2,561,697.91	394,521.10	
B196	116+47.71	37.33'LT	2,561,697.86	394,524.10	
B197	112+80.74	80.00'LT	2,561,661.18	394,156.45	MATCH EX.
B198	112+48.74	80.00'LT	2,561,661.70	394,124.45	MATCH EX.
B199	112+48.48	80.00'RT	2,561,821.68	394,126.84	MATCH EX.
B200	112+74.48	80.00'RT	2,561,821.26	394,152.84	MATCH EX.
B202	113+14.91	47.36'RT	2,561,787.56	394,192.61	MATCH EX.
B203	113+17.99	47.36'RT	2,561,787.56	394,192.61	MATCH EX.
B204	114+07.07	46.82'RT	2,561,785.93	394,284.86	MATCH EX.
B205	114+10.07	46.82'RT	2,561,785.88	394,287.86	MATCH EX.
B206	115+85.85	47.68'RT	2,561,783.40	394,463.50	MATCH EX.
B207	115+88.65	47.68'RT	2,561,783.83	394,466.44	MATCH EX.
B208	111+19.71	46.36'LT	2,561,697.43	393,996.03	MATCH EX.
B209	111+27.08	46.36'LT	2,561,697.31	394,003.39	MATCH EX.



B POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
B120	112+30.23	2.36'LT	2,561,739.63	394,107.25	
B121	112+30.23	2.36'RT	2,561,744.35	394,107.32	
B122	112+10.34	5.75'RT	2,561,748.07	394,087.50	
B123	112+10.34	54.25'LT	2,561,688.07	394,086.52	R=60'
B124	112+10.34	54.25'RT	2,561,796.56	394,088.29	R=60'
B125	110+61.00	44.00'RT	2,561,788.74	393,938.80	MATCH EX.
B126	110+91.00	44.00'RT	2,561,788.25	393,968.79	MATCH EX.
B127	110+90.41	38.00'RT	2,561,782.26	393,968.10	
B128	110+86.91	38.00'RT	2,561,782.32	393,964.60	
B129	111+09.00	44.00'RT	2,561,787.96	393,986.79	MATCH EX.
B130	111+20.64	38.00'RT	2,561,781.77	393,998.33	
B131	111+23.64	38.00'RT	2,561,781.72	394,001.33	
B132	111+65.65	38.00'RT	2,561,781.04	394,043.34	
B133	111+73.65	38.00'RT	2,561,780.91	394,051.34	
B134	111+85.65	38.00'RT	2,561,780.71	394,063.34	
B135	111+93.65	38.00'RT	2,561,780.58	394,071.33	
B136	111+91.55	47.89'RT	2,561,790.51	394,069.39	MATCH EX.
B137	112+01.16	47.97'RT	2,561,790.43	394,079.00	MATCH EX.
B138	112+04.27	49.16'RT	2,561,791.57	394,082.14	MATCH EX.
B139	112+36.00	58.34'RT	2,561,800.23	394,114.01	MATCH EX.
B140	112+18.65	27.75'RT	2,561,769.93	394,096.16	
B141	112+24.65	21.75'RT	2,561,763.83	394,102.07	
B142	112+31.48	21.75'RT	2,561,763.72	394,108.89	
B143	112+48.48	38.75'RT	2,561,780.44	394,126.17	

B POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
B144	112+31.48	38.75'RT	2,561,780.72	394,109.17	R=17'
B145	112+86.82	62.41'RT	2,561,803.47	394,164.89	MATCH EX.
B146	112+74.48	37.75'RT	2,561,779.02	394,152.15	
B147	112+91.48	20.75'RT	2,561,761.74	394,168.87	
B148	112+98.31	20.75'RT	2,561,761.63	394,175.70	
B149	113+04.31	26.75'RT	2,561,767.53	394,181.79	
B150	112+91.48	37.75'RT	2,561,778.74	394,169.15	R=17'
B151	113+33.93	44.00'RT	2,561,784.30	394,211.69	MATCH EX.
B152	113+43.93	44.00'RT	2,561,784.13	394,221.69	MATCH EX.
B153	114+07.06	38.00'RT	2,561,777.11	394,284.71	
B154	114+10.06	38.00'RT	2,561,777.06	394,287.71	
B155	114+48.30	38.00'RT	2,561,776.43	394,325.95	
B156	114+51.30	38.00'RT	2,561,776.38	394,328.95	
B157	115+01.61	38.00'RT	2,561,775.57	394,379.25	
B158	115+04.61	38.00'RT	2,561,775.52	394,382.25	
B159	115+24.16	38.00'RT	2,561,775.20	394,401.80	
B160	115+27.16	38.00'RT	2,561,775.15	394,404.80	
B161	115+43.00	44.00'RT	2,561,780.89	394,420.73	MATCH EX.
B162	115+62.00	44.00'RT	2,561,780.58	394,439.73	MATCH EX.
B163	115+85.75	38.00'RT	2,561,774.19	394,463.38	
B164	115+88.75	38.00'RT	2,561,774.15	394,466.38	
B165	116+13.95	38.00'RT	2,561,773.73	394,491.57	
B166	116+16.95	38.00'RT	2,561,773.69	394,494.57	
B167	116+46.72	38.00'RT	2,561,773.20	394,524.34	

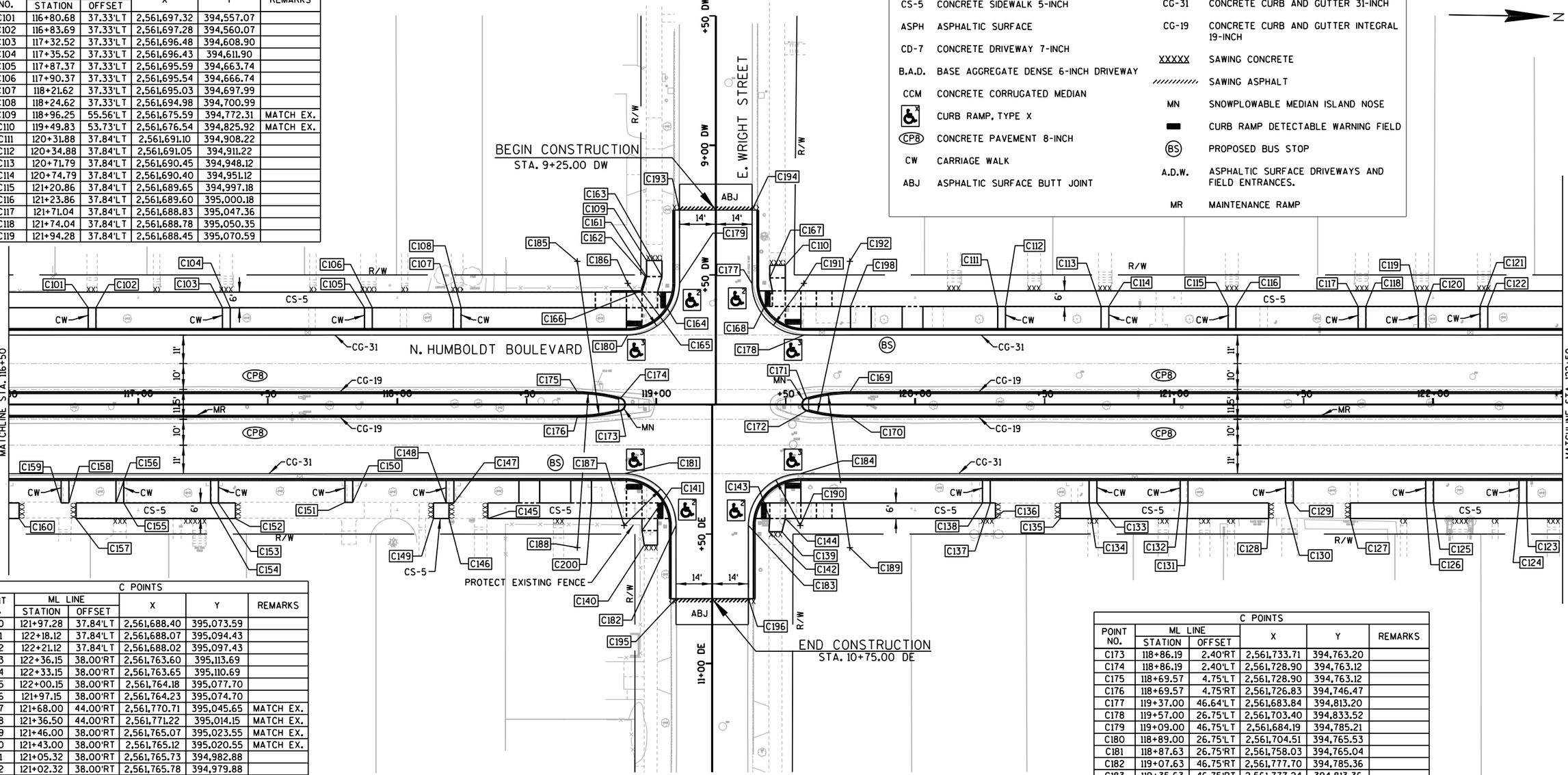
B POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
B168	116+49.72	38.00'RT	2,561,773.15	394,527.34	
B169	113+15.43	4.75'RT	2,561,745.35	394,192.55	
B170	112+98.81	2.40'RT	2,561,743.28	394,175.89	
B171	112+98.81	2.40'LT	2,561,738.47	394,175.82	
B172	113+15.43	4.75'LT	2,561,735.85	394,192.40	
B173	113+15.43	55.25'RT	2,561,795.85	394,193.37	R=60'
B174	113+15.43	55.25'LT	2,561,685.36	394,191.57	R=60'
B175	112+93.00	80.35'LT	2,561,660.63	394,168.74	MATCH EX.
B176	112+93.00	51.69'LT	2,561,689.29	394,169.21	
B177	113+02.30	43.11'LT	2,561,697.72	394,178.64	
B178	112+80.74	37.75'LT	2,561,703.42	394,157.18	
B179	112+97.74	20.75'LT	2,561,720.14	394,174.45	
B180	112+97.74	37.75'LT	2,561,703.15	394,174.17	R=17'
B181	113+04.57	20.75'LT	2,561,720.03	394,181.28	
B182	113+10.57	26.75'LT	2,561,713.94	394,187.18	
B183	113+65.00	43.10'LT	2,561,696.70	394,241.34	
B184	113+75.00	43.33'LT	2,561,696.31	394,251.33	
B185	114+10.26	37.33'LT	2,561,701.73	394,286.68	
B186	114+13.26	37.33'LT	2,561,701.68	394,289.68	
B187	114+69.81	37.33'LT	2,561,700.76	394,346.23	
B188	114+72.81	37.33'LT	2,561,700.71	394,349.23	
B189	115+72.35	37.33'LT	2,561,699.09	394,448.75	
B190	115+76.35	37.33'LT	2,561,699.02	394,452.75	
B191	115+98.99	37.33'LT	2,561,698.66	394,475.39	

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 34	E

C POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
C101	116+80.68	37.33'LT	2,561,697.32	394,557.07	
C102	116+83.69	37.33'LT	2,561,697.28	394,560.07	
C103	117+32.52	37.33'LT	2,561,696.48	394,608.90	
C104	117+35.52	37.33'LT	2,561,696.43	394,611.90	
C105	117+87.37	37.33'LT	2,561,695.59	394,663.74	
C106	117+90.37	37.33'LT	2,561,695.54	394,666.74	
C107	118+21.62	37.33'LT	2,561,695.03	394,697.99	
C108	118+24.62	37.33'LT	2,561,694.98	394,700.99	
C109	118+96.25	55.56'LT	2,561,675.59	394,772.31	MATCH EX.
C110	119+49.83	53.73'LT	2,561,676.54	394,825.92	MATCH EX.
C111	120+31.88	37.84'LT	2,561,691.10	394,908.22	
C112	120+34.88	37.84'LT	2,561,691.05	394,911.22	
C113	120+71.79	37.84'LT	2,561,690.45	394,948.12	
C114	120+74.79	37.84'LT	2,561,690.40	394,951.12	
C115	121+20.86	37.84'LT	2,561,689.65	394,997.18	
C116	121+23.86	37.84'LT	2,561,689.60	395,000.18	
C117	121+71.04	37.84'LT	2,561,688.83	395,047.36	
C118	121+74.04	37.84'LT	2,561,688.78	395,050.35	
C119	121+94.28	37.84'LT	2,561,688.45	395,070.59	

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP



C POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
C120	121+97.28	37.84'LT	2,561,688.40	395,073.59	
C121	122+18.12	37.84'LT	2,561,688.07	395,094.43	
C122	122+21.12	37.84'LT	2,561,688.02	395,097.43	
C123	122+36.15	38.00'RT	2,561,763.60	395,113.69	
C124	122+33.15	38.00'RT	2,561,763.65	395,110.69	
C125	122+00.15	38.00'RT	2,561,764.18	395,077.70	
C126	121+97.15	38.00'RT	2,561,764.23	395,074.70	
C127	121+68.00	44.00'RT	2,561,770.71	395,045.65	MATCH EX.
C128	121+36.50	44.00'RT	2,561,771.22	395,014.15	MATCH EX.
C129	121+46.00	38.00'RT	2,561,765.07	395,023.55	MATCH EX.
C130	121+43.00	38.00'RT	2,561,765.12	395,020.55	MATCH EX.
C131	121+05.32	38.00'RT	2,561,765.73	394,982.88	
C132	121+02.32	38.00'RT	2,561,765.78	394,979.88	
C133	120+70.16	38.00'RT	2,561,766.30	394,947.72	
C134	120+67.16	38.00'RT	2,561,766.35	394,944.72	
C135	120+56.00	44.00'RT	2,561,772.53	394,933.66	MATCH EX.
C136	120+31.00	44.00'RT	2,561,772.94	394,908.67	MATCH EX.
C137	120+28.97	38.00'RT	2,561,766.97	394,906.54	
C138	120+25.97	38.00'RT	2,561,767.02	394,903.54	
C139	119+48.56	49.15'RT	2,561,779.43	394,826.32	MATCH EX.
C140	118+95.37	54.29'RT	2,561,785.44	394,773.22	MATCH EX.
C141	118+94.50	48.72'RT	2,561,779.88	394,772.26	
C142	119+43.51	49.15'RT	2,561,779.51	394,821.27	MATCH EX.
C143	119+43.83	44.00'RT	2,561,774.36	394,821.51	
C144	119+49.83	44.00'RT	2,561,774.26	394,827.51	
C145	118+35.00	44.00'RT	2,561,776.13	394,712.69	MATCH EX.
C146	118+20.00	44.00'RT	2,561,776.38	394,697.70	MATCH EX.
C147	118+21.88	38.00'RT	2,561,770.35	394,699.48	
C148	118+18.88	38.00'RT	2,561,770.40	394,696.48	

C POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
C149	118+14.00	44.00'RT	2,561,776.47	394,691.70	MATCH EX.
C150	117+82.81	37.80'RT	2,561,770.79	394,660.41	MATCH EX.
C151	117+79.81	37.80'RT	2,561,770.83	394,657.41	MATCH EX.
C152	117+37.50	44.00'RT	2,561,777.72	394,615.21	MATCH EX.
C153	117+30.95	38.00'RT	2,561,771.83	394,608.56	
C154	117+27.95	38.00'RT	2,561,771.88	394,605.56	
C155	116+94.40	38.00'RT	2,561,772.42	394,572.01	
C156	116+91.40	38.00'RT	2,561,772.47	394,569.01	
C157	116+76.00	44.00'RT	2,561,778.72	394,553.71	MATCH EX.
C158	116+73.21	38.00'RT	2,561,772.77	394,550.82	MATCH EX.
C159	116+70.21	38.00'RT	2,561,772.82	394,547.82	MATCH EX.
C160	116+54.00	44.00'RT	2,561,779.08	394,531.72	MATCH EX.

C POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
C161	118+96.25	49.33'LT	2,561,681.81	394,772.42	
C162	118+95.77	49.47'LT	2,561,681.68	394,771.93	
C163	119+02.25	49.33'LT	2,561,681.72	394,778.41	
C164	119+00.50	43.33'LT	2,561,687.74	394,776.76	
C165	118+94.50	43.33'LT	2,561,687.84	394,770.76	
C166	118+94.13	43.83'LT	2,561,687.35	394,770.38	
C167	119+43.83	48.84'LT	2,561,681.54	394,820.00	
C168	119+44.83	43.84'LT	2,561,686.52	394,821.08	
C169	119+74.76	4.75'LT	2,561,725.11	394,851.64	
C170	119+74.82	4.75'RT	2,561,734.61	394,851.86	
C171	119+58.14	2.40'LT	2,561,727.73	394,835.06	
C172	119+58.14	2.40'RT	2,561,728.90	394,838.23	

C POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
C173	118+86.19	2.40'RT	2,561,733.71	394,763.20	
C174	118+86.19	2.40'LT	2,561,728.90	394,763.12	
C175	118+69.57	4.75'LT	2,561,728.90	394,763.12	
C176	118+69.57	4.75'RT	2,561,726.83	394,746.47	
C177	119+37.00	46.64'LT	2,561,683.84	394,813.20	
C178	119+57.00	26.75'LT	2,561,703.40	394,833.52	
C179	119+09.00	46.75'LT	2,561,684.19	394,785.21	
C180	118+89.00	26.75'LT	2,561,704.51	394,765.53	
C181	118+87.63	26.75'RT	2,561,758.03	394,765.04	
C182	119+07.63	46.75'RT	2,561,777.70	394,785.36	
C183	119+35.63	46.75'RT	2,561,777.24	394,813.36	
C184	119+55.63	26.75'RT	2,561,756.92	394,833.03	
C185	118+69.57	55.25'LT	2,561,676.33	394,745.64	R=60'
C186	118+89.00	46.75'LT	2,561,684.51	394,765.21	R=20'
C187	118+87.63	46.75'RT	2,561,778.02	394,765.36	R=20'
C188	118+69.57	55.25'RT	2,561,786.82	394,747.44	R=60'
C189	119+74.76	55.25'RT	2,561,785.10	394,852.62	R=60'
C190	119+55.63	46.75'RT	2,561,776.92	394,833.35	R=20'
C191	119+57.00	46.75'LT	2,561,683.41	394,833.20	R=20'
C192	119+74.76	55.25'LT	2,561,674.62	394,850.82	R=60'
C193	119+09.00	75.00'LT	2,561,655.94	394,784.75	MATCH EX.
C194	119+37.00	75.00'LT	2,561,665.94	394,784.75	MATCH EX.
C195	119+07.63	75.00'RT	2,561,805.95	394,785.82	MATCH EX.
C196	119+35.63	75.00'RT	2,561,805.49	394,813.82	MATCH EX.
C198	119+75.00	37.84'LT	2,561,692.03	394,851.34	
C200	118+75.00	38.00'RT	2,561,769.48	394,752.59	

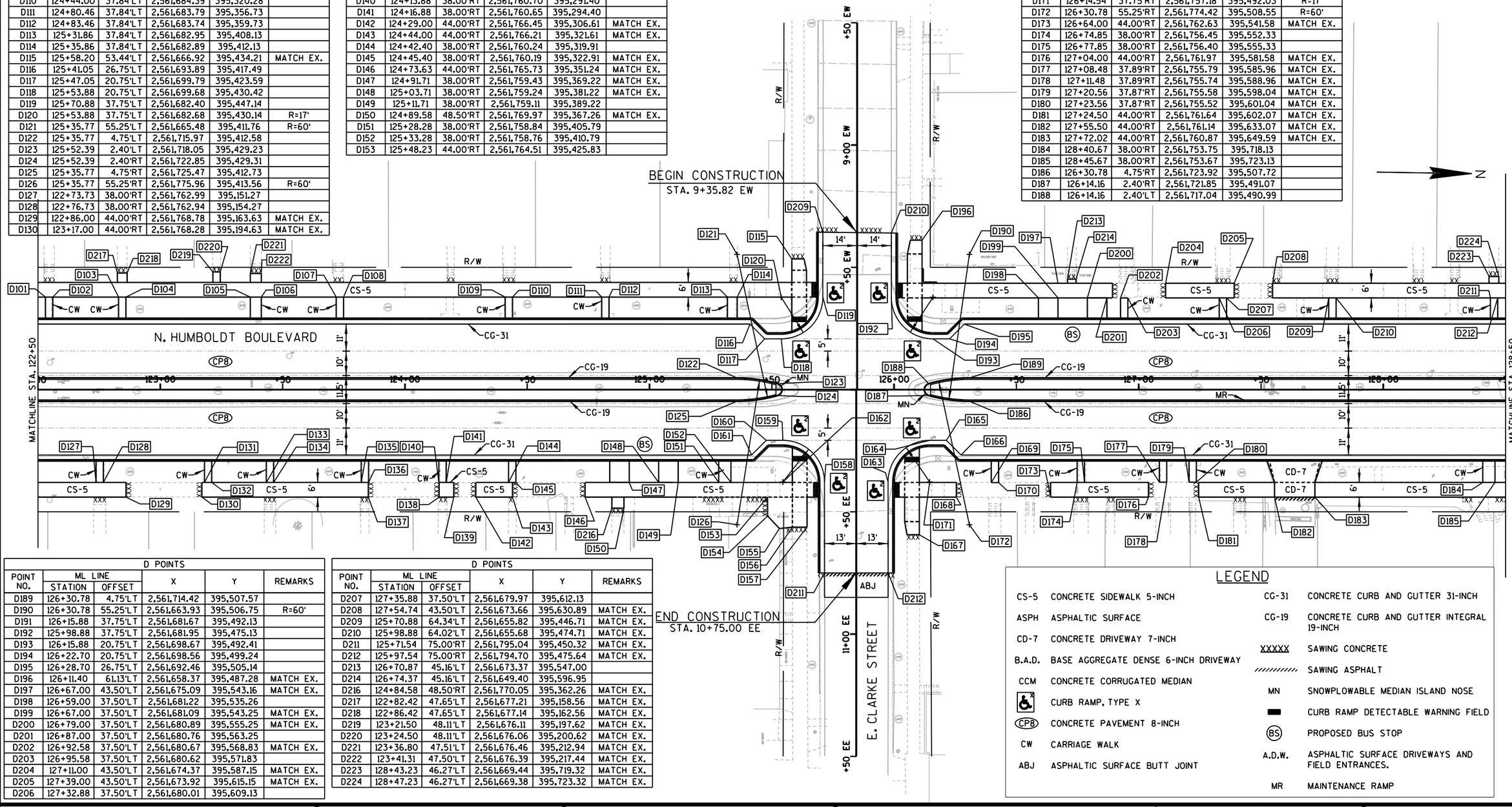
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 35	E

D POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
D101	122+53.03	37.84'LT	2,561,687.50	395,129.33	
D102	122+56.03	37.84'LT	2,561,687.45	395,132.33	
D103	122+82.94	37.84'LT	2,561,687.01	395,159.24	
D104	122+85.94	37.84'LT	2,561,686.96	395,162.24	
D105	123+36.80	37.84'LT	2,561,686.13	395,213.09	
D106	123+41.30	37.84'LT	2,561,686.06	395,217.59	
D107	123+71.93	37.84'LT	2,561,685.56	395,248.22	
D108	123+74.93	37.84'LT	2,561,685.51	395,251.22	
D109	124+41.00	37.84'LT	2,561,684.43	395,317.28	
D110	124+44.00	37.84'LT	2,561,684.39	395,320.28	
D111	124+80.46	37.84'LT	2,561,683.79	395,356.73	
D112	124+83.46	37.84'LT	2,561,683.74	395,359.73	
D113	125+31.86	37.84'LT	2,561,682.95	395,408.13	
D114	125+35.86	37.84'LT	2,561,682.89	395,412.13	
D115	125+58.20	53.44'LT	2,561,666.92	395,434.21	MATCH EX.
D116	125+41.05	26.75'LT	2,561,693.89	395,417.49	
D117	125+47.05	20.75'LT	2,561,699.79	395,423.59	
D118	125+53.88	20.75'LT	2,561,699.68	395,430.42	
D119	125+70.88	37.75'LT	2,561,682.40	395,447.14	
D120	125+53.88	37.75'LT	2,561,682.68	395,430.14	R=17'
D121	125+35.77	55.25'LT	2,561,665.48	395,411.76	R=60'
D122	125+35.77	4.75'LT	2,561,715.97	395,412.58	
D123	125+52.39	2.40'LT	2,561,718.05	395,429.23	
D124	125+52.39	2.40'RT	2,561,722.85	395,429.31	
D125	125+35.77	4.75'RT	2,561,725.47	395,412.73	
D126	125+35.77	55.25'RT	2,561,775.96	395,413.56	R=60'
D127	122+73.73	38.00'RT	2,561,762.99	395,151.27	
D128	122+76.73	38.00'RT	2,561,762.94	395,154.27	
D129	122+86.00	44.00'RT	2,561,768.78	395,163.63	MATCH EX.
D130	123+17.00	44.00'RT	2,561,768.28	395,194.63	MATCH EX.

D POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
D131	123+18.03	38.00'RT	2,561,762.26	395,195.56	
D132	123+21.03	38.00'RT	2,561,762.21	395,198.56	
D133	123+43.35	38.00'RT	2,561,761.85	395,220.88	
D134	123+46.35	38.00'RT	2,561,761.80	395,223.88	
D135	123+82.16	38.00'RT	2,561,761.22	395,259.68	
D136	123+85.16	38.00'RT	2,561,761.17	395,262.68	
D137	123+85.00	44.00'RT	2,561,767.17	395,262.62	MATCH EX.
D138	124+14.00	44.00'RT	2,561,766.70	395,291.62	MATCH EX.
D139	124+20.00	44.00'RT	2,561,766.60	395,297.62	MATCH EX.
D140	124+13.88	38.00'RT	2,561,760.70	395,291.40	
D141	124+16.88	38.00'RT	2,561,760.65	395,294.40	
D142	124+29.00	44.00'RT	2,561,766.45	395,306.61	MATCH EX.
D143	124+44.00	44.00'RT	2,561,766.21	395,321.61	MATCH EX.
D144	124+42.40	38.00'RT	2,561,760.24	395,319.91	
D145	124+45.40	38.00'RT	2,561,760.19	395,322.91	MATCH EX.
D146	124+73.63	44.00'RT	2,561,765.73	395,351.24	MATCH EX.
D147	124+91.71	38.00'RT	2,561,759.43	395,369.22	MATCH EX.
D148	125+03.71	38.00'RT	2,561,759.24	395,381.22	MATCH EX.
D149	125+11.71	38.00'RT	2,561,759.11	395,389.22	
D150	124+89.58	48.50'RT	2,561,769.97	395,367.26	MATCH EX.
D151	125+28.28	38.00'RT	2,561,758.84	395,405.79	
D152	125+33.28	38.00'RT	2,561,758.76	395,410.79	
D153	125+48.23	44.00'RT	2,561,764.51	395,425.83	

D POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
D154	125+48.29	51.71'RT	2,561,772.22	395,426.01	MATCH EX.
D155	125+53.10	56.80'RT	2,561,777.23	395,430.91	MATCH EX.
D156	125+58.40	56.28'RT	2,561,776.63	395,436.20	MATCH EX.
D157	125+64.40	56.28'RT	2,561,776.53	395,442.20	MATCH EX.
D158	125+71.54	37.75'RT	2,561,757.88	395,449.03	
D159	125+54.54	20.75'RT	2,561,741.16	395,431.76	
D160	125+47.71	20.75'RT	2,561,741.27	395,424.93	
D161	125+41.71	26.75'RT	2,561,747.37	395,419.03	

D POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
D162	125+54.54	37.75'RT	2,561,758.16	395,432.04	R=17'
D163	125+97.54	37.75'RT	2,561,757.46	395,475.03	
D164	126+14.54	20.75'RT	2,561,740.18	395,491.75	
D165	126+21.37	20.75'RT	2,561,740.07	395,498.58	
D166	126+27.37	26.75'RT	2,561,745.98	395,504.68	
D167	126+10.30	59.35'RT	2,561,778.85	395,488.14	MATCH EX.
D168	126+25.45	44.00'RT	2,561,763.25	395,503.04	MATCH EX.
D169	126+39.70	38.00'RT	2,561,757.03	395,517.19	MATCH EX.
D170	126+42.70	38.00'RT	2,561,756.97	395,520.19	MATCH EX.
D171	126+14.54	37.75'RT	2,561,757.18	395,492.03	R=17'
D172	126+30.78	55.25'RT	2,561,774.42	395,508.55	R=60'
D173	126+64.00	44.00'RT	2,561,762.63	395,541.58	MATCH EX.
D174	126+74.85	38.00'RT	2,561,756.45	395,552.33	
D175	126+77.85	38.00'RT	2,561,756.40	395,555.33	
D176	127+04.00	44.00'RT	2,561,761.97	395,581.58	MATCH EX.
D177	127+08.48	37.89'RT	2,561,755.79	395,585.96	MATCH EX.
D178	127+11.48	37.89'RT	2,561,755.74	395,588.96	MATCH EX.
D179	127+20.56	37.87'RT	2,561,755.58	395,598.04	MATCH EX.
D180	127+23.56	37.87'RT	2,561,755.52	395,601.04	MATCH EX.
D181	127+24.50	44.00'RT	2,561,761.64	395,602.07	MATCH EX.
D182	127+55.50	44.00'RT	2,561,761.14	395,633.07	MATCH EX.
D183	127+72.02	44.00'RT	2,561,760.87	395,649.59	MATCH EX.
D184	128+40.67	38.00'RT	2,561,753.75	395,718.13	
D185	128+45.67	38.00'RT	2,561,753.67	395,723.13	
D186	126+30.78	4.75'RT	2,561,723.92	395,507.72	
D187	126+14.16	2.40'RT	2,561,721.85	395,491.07	
D188	126+14.16	2.40'LT	2,561,717.04	395,490.99	



D POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
D189	126+30.78	4.75'LT	2,561,714.42	395,507.57	
D190	126+30.78	55.25'LT	2,561,663.93	395,506.75	R=60'
D191	126+15.88	37.75'LT	2,561,681.67	395,492.13	
D192	125+98.88	37.75'LT	2,561,681.95	395,475.13	
D193	126+15.88	20.75'LT	2,561,698.67	395,492.41	
D194	126+22.70	20.75'LT	2,561,698.56	395,499.24	
D195	126+28.70	26.75'LT	2,561,692.46	395,505.14	
D196	126+11.40	61.13'LT	2,561,658.37	395,487.28	MATCH EX.
D197	126+67.00	43.50'LT	2,561,675.09	395,543.16	MATCH EX.
D198	126+59.00	37.50'LT	2,561,681.22	395,535.26	
D199	126+67.00	37.50'LT	2,561,681.09	395,543.25	MATCH EX.
D200	126+79.00	37.50'LT	2,561,680.89	395,555.25	MATCH EX.
D201	126+87.00	37.50'LT	2,561,680.76	395,563.25	
D202	126+92.58	37.50'LT	2,561,680.67	395,568.83	MATCH EX.
D203	126+95.58	37.50'LT	2,561,680.62	395,571.83	
D204	127+11.00	43.50'LT	2,561,674.37	395,587.15	MATCH EX.
D205	127+39.00	43.50'LT	2,561,673.92	395,615.15	MATCH EX.
D206	127+32.88	37.50'LT	2,561,680.01	395,609.13	

D POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
D207	127+35.88	37.50'LT	2,561,679.97	395,612.13	
D208	127+54.74	43.50'LT	2,561,673.66	395,630.89	MATCH EX.
D209	125+70.88	64.34'LT	2,561,655.82	395,446.71	MATCH EX.
D210	125+98.88	64.02'LT	2,561,655.68	395,474.71	MATCH EX.
D211	125+71.54	75.00'RT	2,561,795.04	395,450.32	MATCH EX.
D212	125+97.54	75.00'RT	2,561,794.70	395,475.64	MATCH EX.
D213	126+70.87	45.16'LT	2,561,673.37	395,547.00	
D214	126+74.37	45.16'LT	2,561,649.40	395,596.95	
D216	124+84.58	48.50'RT	2,561,770.05	395,362.26	MATCH EX.
D217	122+82.42	47.65'LT	2,561,677.21	395,158.56	MATCH EX.
D218	122+86.42	47.65'LT	2,561,677.14	395,162.56	MATCH EX.
D219	123+21.50	48.11'LT	2,561,676.11	395,197.62	MATCH EX.
D220	123+24.50	48.11'LT	2,561,676.06	395,200.62	MATCH EX.
D221	123+36.80	47.51'LT	2,561,676.46	395,212.94	MATCH EX.
D222	123+41.31	47.50'LT	2,561,676.39	395,217.44	MATCH EX.
D223	128+43.23	46.27'LT	2,561,669.44	395,719.32	MATCH EX.
D224	128+47.23	46.27'LT	2,561,669.38	395,723.32	MATCH EX.

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

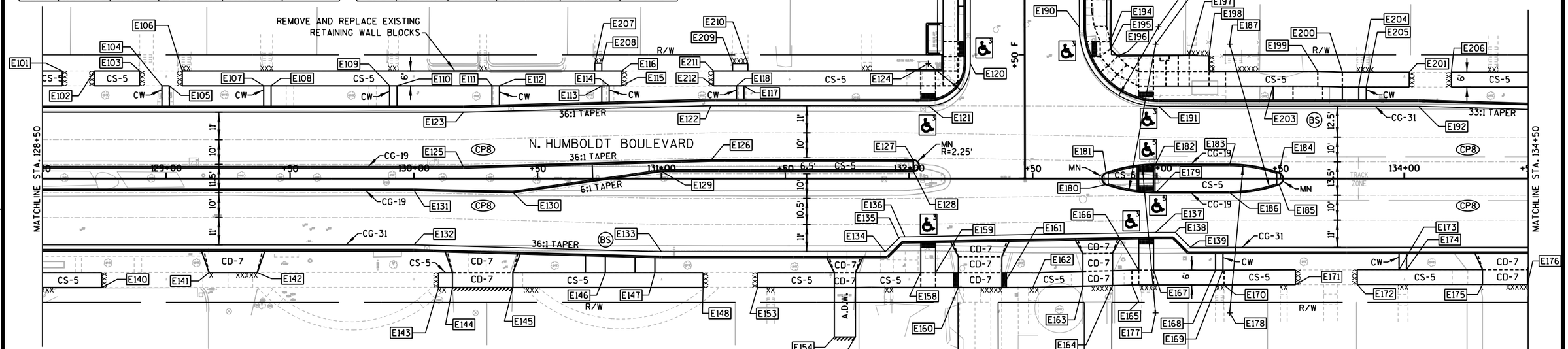
PROJECT NO: 2667-03-71 | HWY: N. HUMBOLDT BLVD. | COUNTY: MILWAUKEE | PLAN DETAILS | SCALE, FEET 0 20 40 | SHEET E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\021204_pd.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

E POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
E101	128+58.00	43.50'LT	2,561,671.97	395,734.13	MATCH EX.
E102	128+71.00	43.50'LT	2,561,671.76	395,747.13	MATCH EX.
E103	128+89.24	43.50'LT	2,561,671.47	395,765.37	MATCH EX.
E104	128+98.26	37.50'LT	2,561,677.32	395,774.48	MATCH EX.
E105	129+01.26	37.50'LT	2,561,677.27	395,777.48	MATCH EX.
E106	129+06.49	43.50'LT	2,561,671.19	395,782.62	MATCH EX.
E107	129+39.33	37.50'LT	2,561,676.65	395,815.55	
E108	129+42.33	37.50'LT	2,561,676.60	395,818.55	
E109	129+90.21	37.50'LT	2,561,675.82	395,866.42	
E110	129+93.21	37.50'LT	2,561,675.77	395,869.42	
E111	130+31.52	37.50'LT	2,561,675.15	395,907.73	
E112	130+34.52	37.50'LT	2,561,675.10	395,910.73	
E113	130+75.90	37.50'LT	2,561,674.43	395,952.10	
E114	130+78.90	37.50'LT	2,561,674.38	395,955.10	MATCH EX.
E115	130+84.00	37.50'LT	2,561,674.29	395,960.20	MATCH EX.
E116	131+84.00	43.51'LT	2,561,668.29	395,960.10	MATCH EX.
E117	131+33.32	37.50'LT	2,561,673.49	396,009.51	
E118	131+30.32	37.50'LT	2,561,673.54	396,006.51	
E119	132+13.72	101.81'LT	2,561,607.88	396,088.85	MATCH EX.
E120	132+24.72	46.52'LT	2,561,662.98	396,100.75	
E121	132+07.72	29.50'LT	2,561,680.28	396,084.03	

E POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
E122	131+20.00	29.50'LT	2,561,681.71	395,996.32	
E123	130+20.00	26.75'LT	2,561,711.91	395,876.80	
E124	132+07.72	46.50'LT	2,561,663.28	396,083.75	R=17'
E125	130+20.00	4.75'LT	2,561,708.08	395,896.74	
E126	131+20.00	7.50'LT	2,561,703.69	395,997.48	
E127	132+01.70	7.50'LT	2,561,702.37	396,078.37	
E128	132+01.70	3.00'LT	2,561,706.87	396,078.45	
E129	130+99.97	3.00'LT	2,561,708.53	395,976.73	
E130	130+40.00	5.65'RT	2,561,711.51	395,989.06	
E131	130+00.00	4.75'RT	2,561,717.90	395,877.15	
E132	130+00.00	26.75'RT	2,561,739.90	395,877.26	
E133	131+00.00	29.50'RT	2,561,736.27	395,982.12	
E134	131+90.37	29.50'RT	2,561,739.55	396,067.65	
E135	131+95.87	24.00'RT	2,561,733.96	396,073.06	
E136	131+98.29	23.50'RT	2,561,733.42	396,075.59	
E137	132+99.56	21.75'RT	2,561,730.09	396,177.48	
E138	133+07.53	21.75'RT	2,561,729.89	396,184.67	
E139	133+13.53	27.75'RT	2,561,735.79	396,190.76	
E140	128+74.00	44.00'RT	2,561,759.20	395,751.56	MATCH EX.
E141	129+17.30	38.00'RT	2,561,752.50	395,794.75	MATCH EX.
E142	129+36.80	38.00'RT	2,561,752.18	395,814.25	MATCH EX.

E POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
E143	130+10.00	44.00'RT	2,561,756.99	395,887.54	MATCH EX.
E144	130+15.56	44.00'RT	2,561,756.90	395,893.10	MATCH EX.
E145	130+39.96	44.00'RT	2,561,756.50	395,917.50	MATCH EX.
E146	130+77.35	38.00'RT	2,561,749.89	395,954.78	
E147	130+97.35	38.00'RT	2,561,749.57	395,974.78	
E148	131+17.50	44.00'RT	2,561,755.24	395,995.02	MATCH EX.
E151	132+24.63	104.32'LT	2,561,605.19	396,099.73	MATCH EX.
E153	131+39.50	44.00'RT	2,561,754.88	396,017.02	MATCH EX.
E154	131+69.80	64.00'RT	2,561,774.38	396,047.64	MATCH EX.
E155	131+78.30	64.00'RT	2,561,774.24	396,056.14	MATCH EX.
E158	132+04.70	38.00'RT	2,561,747.82	396,082.11	
E159	132+10.70	38.00'RT	2,561,747.72	396,088.11	
E160	132+19.85	44.00'RT	2,561,753.57	396,097.36	MATCH EX.
E161	132+37.45	44.00'RT	2,561,753.28	396,114.96	MATCH EX.
E162	132+49.99	44.00'RT	2,561,753.08	396,127.50	
E163	132+70.16	43.50'RT	2,561,752.24	396,147.66	MATCH EX.
E164	132+82.16	43.20'RT	2,561,751.75	396,159.65	MATCH EX.
E165	132+90.00	43.00'RT	2,561,751.42	396,167.49	
E166	132+92.70	37.00'RT	2,561,745.38	396,170.09	



E POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
E167	132+98.70	37.00'RT	2,561,745.28	396,176.09	
E168	133+23.71	37.00'RT	2,561,744.87	396,201.10	
E169	133+26.71	37.00'RT	2,561,744.82	396,204.10	
E170	133+27.18	43.00'RT	2,561,750.81	396,204.66	
E171	133+56.00	42.87'RT	2,561,750.21	396,233.48	MATCH EX.
E172	133+81.00	42.75'RT	2,561,749.68	396,258.47	MATCH EX.
E173	133+97.89	36.75'RT	2,561,743.41	396,275.26	
E174	134+00.89	36.75'RT	2,561,743.36	396,278.26	
E175	134+31.53	42.75'RT	2,561,748.86	396,308.99	MATCH EX.
E176	134+49.73	42.75'RT	2,561,748.56	396,327.19	MATCH EX.
E177	132+99.52	54.25'RT	2,561,762.52	396,177.19	R=60'
E178	133+29.48	54.25'RT	2,561,762.03	396,207.15	R=60'
E179	132+99.52	5.75'RT	2,561,714.02	396,176.39	
E180	132+79.57	2.34'RT	2,561,710.94	396,156.39	
E181	132+79.57	2.34'LT	2,561,706.26	396,156.32	
E182	132+99.52	5.75'LT	2,561,702.52	396,176.20	
E183	133+29.48	5.75'LT	2,561,702.03	396,206.17	
E184	133+49.44	2.33'LT	2,561,695.98	396,260.00	
E185	133+49.44	2.34'RT	2,561,709.79	396,226.25	
E186	133+29.48	5.75'RT	2,561,713.53	396,206.35	
E187	133+29.48	54.25'LT	2,561,653.54	396,205.37	R=60'
E188	132+99.52	54.25'LT	2,561,654.03	396,175.41	R=60'
E189	133+00.70	61.25'LT	2,561,647.01	396,176.48	R=32'
E190	132+68.70	61.21'LT	2,561,647.58	396,144.48	
E191	133+00.70	29.25'LT	2,561,679.01	396,177.00	

E POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARK
E192	134+05.67	29.25'LT	2,561,677.50	396,281.00	
E193	132+79.80	89.99'LT	2,561,618.62	396,155.11	MATCH EX.
E194	132+81.17	55.40'LT	2,561,653.18	396,157.04	
E195	132+81.33	52.33'LT	2,561,656.25	396,157.26	
E196	132+84.25	49.49'LT	2,561,659.04	396,160.22	
E197	133+13.14	49.70'LT	2,561,658.36	396,189.11	MATCH EX.
E198	133+21.14	49.59'LT	2,561,658.34	396,197.11	MATCH EX.
E199	133+65.00	43.30'LT	2,561,663.91	396,241.07	
E200	133+75.00	43.00'LT	2,561,664.04	396,251.07	
E201	134+02.00	43.00'LT	2,561,663.60	396,278.06	MATCH EX.
E202	132+68.64	104.38'LT	2,561,604.41	396,143.72	MATCH EX.
E203	133+47.00	37.30'LT	2,561,670.20	396,223.17	
E204	133+81.59	37.00'LT	2,561,669.93	396,257.76	
E205	133+84.59	37.00'LT	2,561,669.89	396,260.76	
E206	134+19.00	43.00'LT	2,561,663.32	396,295.06	MATCH EX.
E207	130+73.10	46.59'LT	2,561,665.39	395,949.15	MATCH EX.
E208	130+75.90	46.59'LT	2,561,665.34	395,951.95	MATCH EX.
E209	131+28.71	46.46'LT	2,561,664.61	396,004.75	MATCH EX.
E210	131+34.91	46.46'LT	2,561,664.51	396,010.95	MATCH EX.
E211	131+21.00	43.50'LT	2,561,667.69	395,997.10	MATCH EX.
E212	131+21.00	37.50'LT	2,561,673.69	395,997.19	MATCH EX.

LEGEND

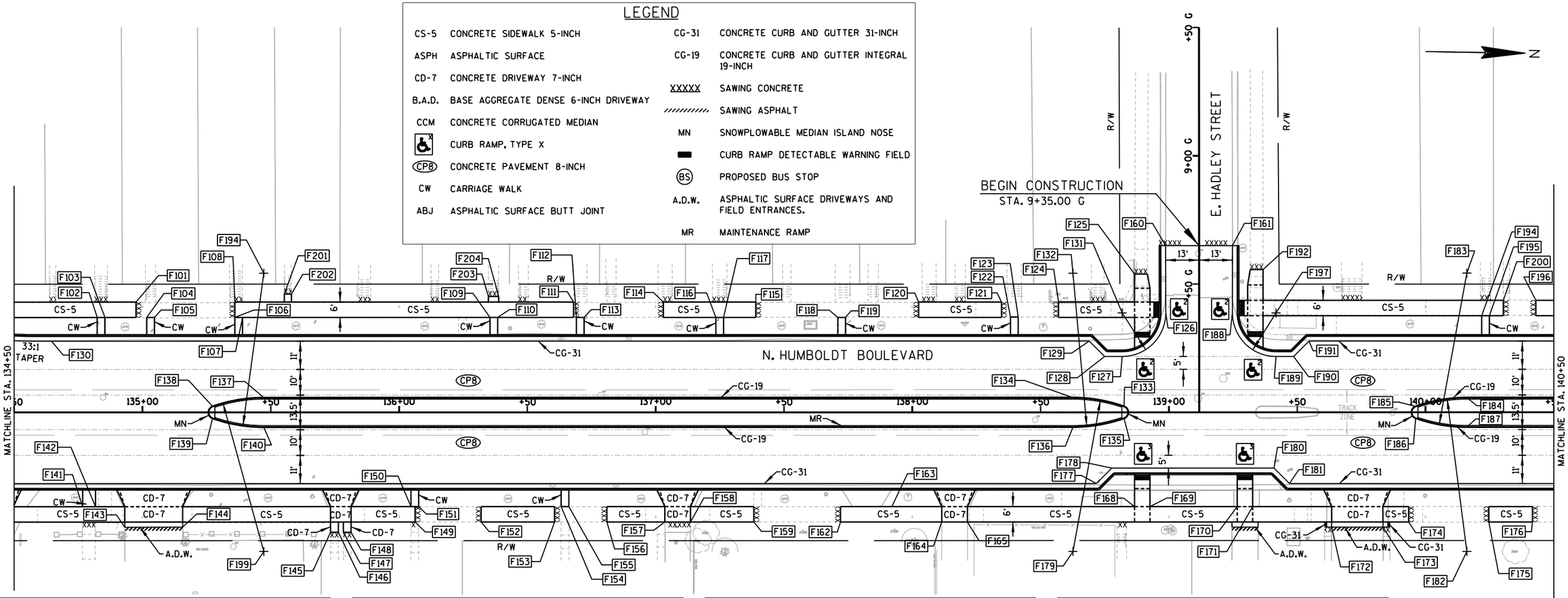
CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\021205_pd.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP



F POINTS

POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
F101	134+97.50	43.00'LT	2,561,662.04	396,373.55	MATCH EX.
F102	134+82.41	37.00'LT	2,561,668.28	396,358.56	
F103	134+85.41	37.00'LT	2,561,668.23	396,361.56	
F104	135+01.66	37.00'LT	2,561,667.97	396,377.81	MATCH EX.
F105	135+04.66	37.00'LT	2,561,667.92	396,380.81	MATCH EX.
F106	135+36.00	37.00'LT	2,561,667.41	396,412.14	MATCH EX.
F107	135+39.00	37.00'LT	2,561,667.36	396,415.14	
F108	135+36.00	43.00'LT	2,561,661.41	396,412.05	MATCH EX.
F109	136+35.45	37.00'LT	2,561,665.78	396,511.58	
F110	136+38.45	37.00'LT	2,561,665.73	396,514.58	
F111	136+68.00	43.00'LT	2,561,659.25	396,544.03	MATCH EX.
F112	136+69.10	37.00'LT	2,561,665.23	396,545.23	MATCH EX.
F113	136+72.10	37.00'LT	2,561,665.18	396,548.23	MATCH EX.
F114	137+03.00	43.00'LT	2,561,658.67	396,579.02	MATCH EX.
F115	137+39.00	43.00'LT	2,561,658.08	396,615.02	MATCH EX.
F116	137+23.46	37.00'LT	2,561,664.34	396,599.58	
F117	137+26.46	37.00'LT	2,561,664.29	396,602.58	
F118	137+70.98	37.00'LT	2,561,663.56	396,647.10	MATCH EX.
F119	137+73.98	37.00'LT	2,561,663.51	396,650.10	MATCH EX.
F120	138+02.50	43.00'LT	2,561,657.04	396,678.51	MATCH EX.
F121	138+34.75	43.00'LT	2,561,656.52	396,710.76	MATCH EX.
F122	138+38.28	37.16'LT	2,561,662.30	396,714.38	MATCH EX.
F123	138+41.28	37.16'LT	2,561,662.25	396,717.38	MATCH EX.
F124	138+57.00	43.00'LT	2,561,656.15	396,733.00	MATCH EX.
F125	138+86.60	53.91'LT	2,561,644.76	396,762.42	MATCH EX.
F126	138+98.76	38.75'LT	2,561,659.72	396,774.83	
F127	138+81.76	21.75'LT	2,561,676.99	396,758.11	
F128	138+74.93	21.75'LT	2,561,677.11	396,751.28	
F129	138+68.93	27.75'LT	2,561,671.20	396,745.18	
F130	134+64.57	27.75'LT	2,561,677.82	396,340.88	

F POINTS

POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
F131	138+81.76	38.75'LT	2,561,660.00	396,757.83	R=17'
F132	138+62.58	54.25'LT	2,561,644.81	396,738.40	R=60'
F133	138+83.81	1.87'LT	2,561,696.84	396,760.48	
F134	138+62.46	5.75'LT	2,561,693.31	396,739.08	
F135	138+83.81	1.87'RT	2,561,700.58	396,760.54	
F136	138+62.58	5.75'RT	2,561,704.80	396,739.38	
F137	135+47.29	5.75'LT	2,561,698.47	396,423.94	
F138	135+26.27	1.95'LT	2,561,702.61	396,402.99	
F139	135+26.27	1.95'RT	2,561,706.51	396,403.05	
F140	135+47.29	5.75'RT	2,561,709.97	396,424.13	
F141	134+76.71	36.75'RT	2,561,742.12	396,354.07	
F142	134+81.71	36.75'RT	2,561,742.04	396,359.06	
F143	134+93.13	44.75'RT	2,561,749.85	396,370.62	MATCH EX.
F144	135+15.69	44.75'RT	2,561,749.48	396,393.18	MATCH EX.
F145	135+73.28	46.75'RT	2,561,750.54	396,450.79	MATCH EX.
F146	135+76.35	46.75'RT	2,561,750.48	396,453.86	MATCH EX.
F147	135+78.27	46.75'RT	2,561,750.45	396,455.78	MATCH EX.
F148	135+81.28	46.75'RT	2,561,750.40	396,458.79	MATCH EX.
F149	136+06.25	42.75'RT	2,561,746.00	396,483.69	MATCH EX.
F150	136+04.62	36.75'RT	2,561,740.02	396,481.96	
F151	136+07.62	36.75'RT	2,561,739.97	396,484.96	MATCH EX.
F152	136+32.00	42.75'RT	2,561,745.57	396,509.44	MATCH EX.
F153	136+60.60	42.75'RT	2,561,745.11	396,538.03	MATCH EX.
F154	136+63.18	36.75'RT	2,561,739.06	396,540.52	MATCH EX.
F155	136+66.18	36.75'RT	2,561,739.02	396,543.51	MATCH EX.
F156	136+81.00	42.75'RT	2,561,744.77	396,558.43	MATCH EX.
F157	137+03.58	42.75'RT	2,561,744.40	396,581.00	MATCH EX.
F158	137+13.58	42.75'RT	2,561,744.24	396,591.00	MATCH EX.
F159	137+38.25	42.76'RT	2,561,743.84	396,615.67	MATCH EX.
F160	138+98.76	65.00'LT	2,561,633.47	396,774.40	MATCH EX.

F POINTS

POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
F161	139+24.76	65.00'LT	2,561,633.05	396,800.39	MATCH EX.
F162	137+72.00	42.76'RT	2,561,743.30	396,649.42	MATCH EX.
F163	137+92.00	36.75'RT	2,561,736.96	396,669.32	
F164	138+11.50	42.75'RT	2,561,742.64	396,688.91	MATCH EX.
F165	138+21.50	42.75'RT	2,561,742.47	396,698.91	MATCH EX.
F168	138+86.60	36.75'RT	2,561,735.41	396,763.90	
F169	138+92.60	36.75'RT	2,561,735.31	396,769.90	
F170	139+26.63	36.75'RT	2,561,734.75	396,803.93	
F171	139+32.63	36.75'RT	2,561,734.65	396,809.93	
F172	139+63.39	44.75'RT	2,561,742.15	396,840.82	MATCH EX.
F173	139+83.39	44.75'RT	2,561,741.82	396,860.81	MATCH EX.
F174	139+93.40	42.75'RT	2,561,739.66	396,870.79	MATCH EX.
F175	140+24.68	42.75'RT	2,561,739.15	396,902.06	MATCH EX.
F176	140+41.68	42.75'RT	2,561,738.87	396,919.06	MATCH EX.
F177	138+71.72	27.75'RT	2,561,726.65	396,748.88	
F178	138+77.72	21.75'RT	2,561,720.55	396,754.78	
F179	138+62.58	54.25'RT	2,561,753.30	396,740.18	R=60'
F180	139+40.98	21.75'RT	2,561,719.52	396,818.03	
F181	139+46.98	27.75'RT	2,561,725.42	396,824.13	
F182	140+16.12	54.25'RT	2,561,750.78	396,893.69	R=60'
F183	140+16.12	54.25'LT	2,561,642.30	396,891.91	R=60'
F184	140+16.12	5.75'LT	2,561,690.79	396,892.71	
F185	139+96.14	2.33'LT	2,561,694.54	396,872.79	
F186	139+96.14	2.33'RT	2,561,699.20	396,872.87	
F187	140+16.12	5.75'RT	2,561,702.29	396,892.90	
F188	139+24.76	38.75'LT	2,561,659.29	396,800.82	
F189	139+41.76	21.75'LT	2,561,676.01	396,818.10	
F190	139+48.59	21.75'LT	2,561,675.90	396,824.93	
F191	139+54.59	27.75'LT	2,561,669.80	396,830.83	
F192	139+36.70	55.66'LT	2,561,642.19	396,812.48	MATCH EX.

F POINTS

POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
F194	140+21.88	37.66'LT	2,561,658.79	396,897.95	R=60'
F195	140+24.88	37.66'LT	2,561,658.74	396,900.95	
F196	140+43.00	43.66'LT	2,561,652.45	396,918.97	MATCH EX.
F197	139+41.76	38.75'LT	2,561,659.01	396,817.82	R=17'
F198	135+47.29	54.25'LT	2,561,649.97	396,423.15	
F199	135+47.29	54.25'RT	2,561,758.46	396,424.92	R=60'
F200	140+30.32	43.66'LT	2,561,652.65	396,906.29	MATCH EX.
F201	135+55.32	46.15'LT	2,561,657.94	396,431.31	MATCH EX.
F202	135+58.07	46.15'LT	2,561,657.89	396,434.06	MATCH EX.
F203	136+34.80	45.21'LT	2,561,657.58	396,510.80	MATCH EX.
F204	136+38.80	45.21'LT	2,561,657.52	396,514.80	MATCH EX.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 38 E

G POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
G101	140+52.29	37.66'LT	2,561,658.29	396,928.35	
G102	140+55.29	37.66'LT	2,561,658.25	396,931.35	
G103	140+81.88	37.66'LT	2,561,657.81	396,957.94	
G104	140+84.88	37.66'LT	2,561,657.76	396,960.94	
G105	141+01.00	43.66'LT	2,561,651.50	396,976.96	MATCH EX.
G106	141+01.94	37.66'LT	2,561,657.48	396,978.00	MATCH EX.
G107	141+04.94	37.66'LT	2,561,657.43	396,981.00	MATCH EX.
G108	141+20.00	43.66'LT	2,561,651.19	396,995.96	MATCH EX.
G109	141+32.69	37.66'LT	2,561,656.98	397,008.74	
G110	141+35.69	37.66'LT	2,561,656.93	397,011.74	
G111	141+54.00	43.66'LT	2,561,650.63	397,029.95	MATCH EX.
G112	141+68.00	43.66'LT	2,561,650.40	397,043.95	MATCH EX.
G113	141+75.77	37.66'LT	2,561,656.27	397,051.82	
G114	141+79.27	37.66'LT	2,561,656.22	397,055.32	
G115	142+23.81	37.66'LT	2,561,655.49	397,099.85	
G116	142+26.81	37.66'LT	2,561,655.44	397,102.85	
G117	142+52.22	37.66'LT	2,561,655.02	397,128.26	
G118	142+55.22	37.66'LT	2,561,654.97	397,131.26	
G119	142+84.00	43.66'LT	2,561,648.50	397,159.93	MATCH EX.
G120	142+99.31	37.66'LT	2,561,654.25	397,175.34	

G POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
G121	143+02.31	37.66'LT	2,561,654.20	397,178.34	
G122	143+09.00	43.66'LT	2,561,648.09	397,184.93	MATCH EX.
G123	143+15.00	43.66'LT	2,561,647.99	397,190.93	MATCH EX.
G124	143+45.35	37.66'LT	2,561,653.50	397,221.37	MATCH EX.
G125	143+48.35	37.66'LT	2,561,653.45	397,224.37	MATCH EX.
G126	143+57.99	43.66'LT	2,561,647.29	397,233.92	MATCH EX.
G127	144+21.99	37.66'LT	2,561,652.24	397,298.00	
G128	144+29.99	37.66'LT	2,561,652.11	397,306.00	
G129	144+41.99	37.66'LT	2,561,651.91	397,318.00	
G130	144+49.99	37.66'LT	2,561,651.78	397,326.00	
G131	144+65.96	43.66'LT	2,561,645.52	397,341.87	
G132	144+94.96	43.66'LT	2,561,645.05	397,370.86	
G133	145+05.00	43.50'LT	2,561,645.04	397,380.91	
G134	145+09.76	43.50'LT	2,561,644.97	397,385.66	
G135	145+25.62	44.88'LT	2,561,643.32	397,401.51	
G136	145+31.34	45.38'LT	2,561,642.73	397,407.21	
G137	145+36.43	45.38'LT	2,561,642.65	397,412.30	
G138	145+43.43	52.42'LT	2,561,635.49	397,419.18	
G139	145+28.86	58.50'LT	2,561,629.65	397,404.52	R=27'
G140	145+36.43	52.38'LT	2,561,635.65	397,412.18	R=7'

G POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
G141	145+55.86	58.53'LT	2,561,629.18	397,431.51	
G142	145+28.86	31.50'LT	2,561,656.65	397,404.96	
G143	144+40.00	31.50'LT	2,561,658.11	397,316.11	
G144	143+40.00	27.75'LT	2,561,663.49	397,216.19	
G145	143+40.00	5.75'LT	2,561,685.49	397,216.55	
G146	144+40.00	9.50'LT	2,561,680.10	397,316.47	
G147	145+15.70	9.50'LT	2,561,678.86	397,392.16	
G148	145+15.70	5.00'LT	2,561,683.36	397,392.24	
G149	144+18.00	5.00'LT	2,561,684.96	397,294.55	
G150	143+38.06	5.60'RT	2,561,697.01	397,250.20	
G151	143+38.06	27.80'RT	2,561,719.07	397,215.16	
G152	144+18.05	31.50'RT	2,561,722.02	397,304.84	
G153	145+22.81	31.50'RT	2,561,719.74	397,399.94	
G154	145+56.81	65.36'RT	2,561,753.04	397,434.49	
G155	145+22.81	65.50'RT	2,561,753.74	397,400.50	R=34'
G156	141+28.00	42.75'RT	2,561,737.45	397,005.37	MATCH EX.
G157	141+38.00	42.75'RT	2,561,737.29	397,015.37	MATCH EX.
G158	141+54.00	42.75'RT	2,561,737.03	397,031.37	MATCH EX.
G159	141+65.00	42.75'RT	2,561,736.85	397,042.37	MATCH EX.
G160	142+27.00	42.75'RT	2,561,735.83	397,104.36	MATCH EX.

G POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
G161	142+33.00	42.75'RT	2,561,735.74	397,110.36	MATCH EX.
G162	143+27.50	42.75'RT	2,561,734.19	397,204.84	MATCH EX.
G163	143+34.00	42.75'RT	2,561,734.08	397,211.34	MATCH EX.
G164	143+53.00	42.75'RT	2,561,733.77	397,230.34	MATCH EX.
G165	144+18.00	36.75'RT	2,561,726.71	397,295.23	
G166	145+00.00	42.75'RT	2,561,731.36	397,377.32	
G167	145+22.60	48.90'RT	2,561,737.14	397,400.02	
G168	144+75.19	49.57'RT	2,561,738.59	397,352.63	
G169	144+87.97	49.57'RT	2,561,738.38	397,365.40	
G170	146+12.29	59.19'RT	2,561,745.96	397,489.87	
G171	146+39.28	31.50'RT	2,561,717.84	397,516.40	
G172	146+40.30	48.90'RT	2,561,735.22	397,517.70	
G173	146+39.28	58.50'RT	2,561,744.83	397,516.84	R=27'
G174	146+39.00	9.50'RT	2,561,695.84	397,515.76	
G175	146+39.00	5.00'RT	2,561,691.34	397,515.68	
G176	146+12.36	31.50'LT	2,561,655.28	397,488.45	
G177	145+87.86	55.97'LT	2,561,631.22	397,463.55	
G178	146+12.36	56.00'LT	2,561,630.79	397,488.05	R=24.5'
G179	146+40.00	43.40'LT	2,561,642.93	397,515.89	
G180	146+10.37	43.40'LT	2,561,643.42	397,486.27	
G181	146+10.37	52.40'LT	2,561,634.42	397,486.12	R=9'
G182	146+01.37	52.39'LT	2,561,634.58	397,477.12	
G183	146+01.35	66.56'LT	2,561,620.41	397,476.87	
G184	144+57.17	47.66'LT	2,561,641.67	397,333.02	MATCH EX.
G185	144+95.00	47.66'LT	2,561,641.05	397,370.84	MATCH EX.

CONCRETE CURB PEDESTRIAN (6" HEIGHT)

N. HUMBOLDT BOULEVARD

E. LOCUST STREET

MATCHLINE STA. 140+50

MATCHLINE STA. 146+50

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 39	E

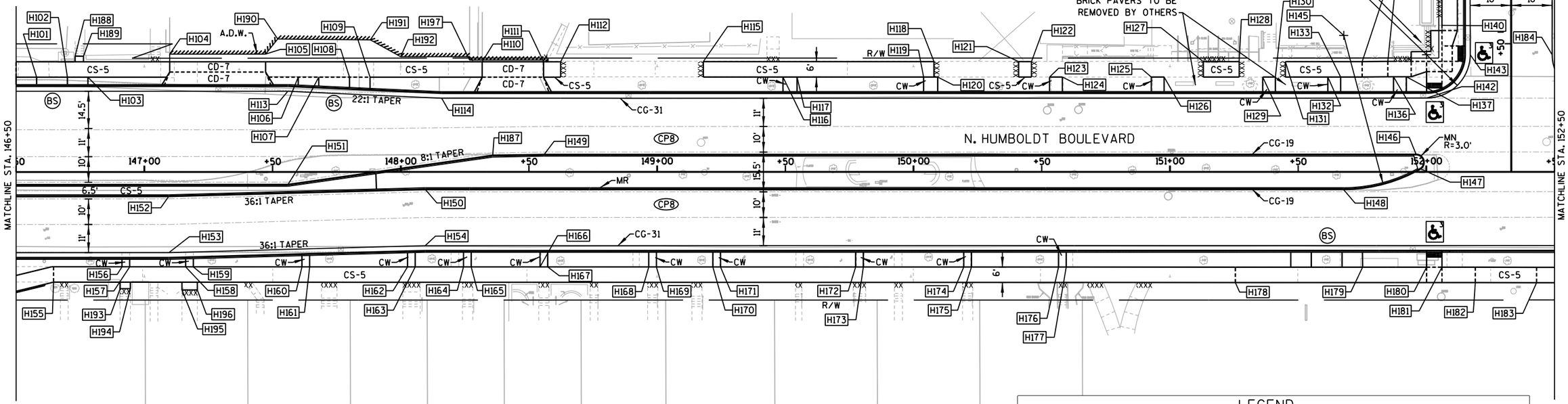
FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\021207_pd.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

H POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
H101	146+58.00	37.00'LT	2,561,649.04	397,533.99	
H102	146+70.00	37.00'LT	2,561,648.84	397,545.99	
H103	146+78.00	37.00'LT	2,561,648.71	397,553.99	
H104	147+09.91	46.00'LT	2,561,639.19	397,585.75	MATCH EX.
H105	147+47.32	46.00'LT	2,561,638.58	397,623.15	MATCH EX.
H106	147+60.00	37.00'LT	2,561,647.37	397,635.98	
H107	147+68.00	37.00'LT	2,561,647.24	397,643.98	
H108	147+80.00	37.00'LT	2,561,647.04	397,655.98	
H109	147+88.00	37.00'LT	2,561,646.91	397,663.98	
H110	148+31.74	43.00'LT	2,561,640.19	397,707.61	
H111	148+55.74	43.00'LT	2,561,639.80	397,731.61	
H112	148+62.40	43.00'LT	2,561,639.69	397,738.27	MATCH EX.
H113	147+55.97	31.50'LT	2,561,652.93	397,632.04	
H114	148+15.97	28.75'LT	2,561,654.70	397,692.07	
H115	149+18.00	43.00'LT	2,561,638.78	397,793.86	MATCH EX.
H116	149+49.08	37.00'LT	2,561,644.27	397,825.03	
H117	149+54.58	37.00'LT	2,561,644.18	397,830.53	
H118	150+08.00	43.00'LT	2,561,637.31	397,883.85	MATCH EX.
H119	150+03.92	37.00'LT	2,561,643.37	397,879.86	
H120	150+09.42	37.00'LT	2,561,643.28	397,885.36	MATCH EX.
H121	150+41.00	43.00'LT	2,561,636.77	397,916.84	MATCH EX.
H122	150+46.00	43.00'LT	2,561,636.69	397,921.84	MATCH EX.
H123	150+53.04	37.00'LT	2,561,642.57	397,928.98	MATCH EX.
H124	150+58.04	37.00'LT	2,561,642.49	397,933.98	MATCH EX.
H125	150+92.75	37.00'LT	2,561,641.92	397,968.69	MATCH EX.

H POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
H126	150+97.75	37.00'LT	2,561,641.84	397,973.68	MATCH EX.
H127	151+13.00	43.00'LT	2,561,635.59	397,988.83	MATCH EX.
H128	151+27.00	43.00'LT	2,561,635.36	398,002.83	MATCH EX.
H129	151+36.16	37.00'LT	2,561,641.21	398,012.09	MATCH EX.
H130	151+41.16	37.00'LT	2,561,641.13	398,017.09	MATCH EX.
H131	151+45.00	43.00'LT	2,561,635.07	398,020.83	MATCH EX.
H132	151+61.59	37.00'LT	2,561,640.79	398,037.52	
H133	151+66.59	37.00'LT	2,561,640.71	398,042.52	
H134	151+75.00	43.00'LT	2,561,634.57	398,050.83	
H135	151+85.00	43.10'LT	2,561,634.31	398,060.82	
H136	151+87.21	37.10'LT	2,561,640.27	398,063.13	
H137	151+92.21	37.10'LT	2,561,640.19	398,068.13	
H140	152+06.10	57.17'LT	2,561,619.90	398,081.69	
H141	152+06.10	70.00'LT	2,561,607.07	398,081.48	MATCH EX.
H142	152+00.08	28.75'LT	2,561,648.41	398,076.13	
H143	152+17.08	45.75'LT	2,561,631.14	398,092.85	
H144	152+00.08	45.75'LT	2,561,631.41	398,075.85	R=17'
H145	151+67.79	53.25'LT	2,561,624.44	398,043.45	R=60'
H146	151+96.06	6.75'LT	2,561,670.48	398,072.48	
H147	151+97.70	1.24'LT	2,561,675.96	398,074.21	
H148	151+67.58	6.75'RT	2,561,684.44	398,044.22	
H149	148+55.88	6.75'LT	2,561,676.04	397,732.34	
H150	148+09.54	6.75'RT	2,561,690.30	397,686.23	

H POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
H151	147+55.94	5.00'RT	2,561,689.43	397,632.61	
H152	147+09.54	9.50'RT	2,561,694.69	397,586.29	
H153	147+09.54	31.50'RT	2,561,716.68	397,586.65	
H154	148+09.54	28.75'RT	2,561,714.15	397,686.59	
H155	146+64.60	43.00'RT	2,561,728.92	397,541.90	
H156	146+91.30	37.01'RT	2,561,722.49	397,568.50	
H157	146+94.30	37.01'RT	2,561,722.44	397,571.50	
H158	147+16.13	37.02'RT	2,561,722.10	397,593.33	
H159	147+19.13	37.02'RT	2,561,722.05	397,596.33	
H160	147+61.45	37.04'RT	2,561,721.37	397,638.64	
H161	147+64.45	37.04'RT	2,561,721.32	397,641.64	
H162	148+02.66	37.05'RT	2,561,720.71	397,679.85	
H163	148+05.66	37.05'RT	2,561,720.66	397,682.85	
H164	148+24.47	37.06'RT	2,561,720.36	397,701.65	
H165	148+27.47	37.06'RT	2,561,720.31	397,704.65	
H166	148+54.34	37.07'RT	2,561,719.88	397,731.52	
H167	148+57.34	37.07'RT	2,561,719.83	397,734.52	
H168	148+96.71	37.08'RT	2,561,719.20	397,773.89	
H169	148+99.71	37.09'RT	2,561,719.16	397,776.89	
H170	149+21.71	37.09'RT	2,561,718.80	397,798.89	
H171	149+24.71	37.09'RT	2,561,718.76	397,801.89	
H172	149+77.41	37.11'RT	2,561,717.91	397,854.57	
H173	149+80.41	37.11'RT	2,561,717.86	397,857.57	
H174	150+19.60	37.13'RT	2,561,717.24	397,896.76	
H175	150+22.60	37.13'RT	2,561,717.19	397,899.76	

H POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
H176	150+56.54	37.14'RT	2,561,716.65	397,933.70	
H177	150+59.54	37.14'RT	2,561,716.60	397,936.70	
H178	151+25.50	43.17'RT	2,561,721.54	398,002.74	
H179	151+75.11	37.17'RT	2,561,714.73	398,052.25	
H180	152+00.11	37.17'RT	2,561,714.32	398,077.25	
H181	152+06.11	37.17'RT	2,561,714.22	398,083.24	
H182	152+19.10	43.17'RT	2,561,720.01	398,096.33	
H183	152+43.00	43.25'RT	2,561,719.70	398,120.23	
H184	152+49.08	45.75'LT	2,561,630.61	398,124.85	
H185	152+17.08	70.00'LT	2,561,606.89	398,092.45	MATCH EX.
H186	152+49.08	70.00'LT	2,561,606.37	398,124.45	MATCH EX.
H187	148+35.88	6.40'LT	2,561,676.64	397,713.34	
H188	146+73.00	45.19'LT	2,561,640.60	397,548.86	
H189	146+76.26	45.18'LT	2,561,640.56	397,552.12	



H POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
H190	147+52.01	51.90'LT	2,561,632.60	397,627.75	MATCH EX.
H191	147+88.14	51.55'LT	2,561,632.36	397,663.88	MATCH EX.
H192	148+00.00	45.00'LT	2,561,638.71	397,675.84	MATCH EX.
H193	146+90.54	45.55'RT	2,561,731.05	397,567.88	MATCH EX.
H194	14694.54	45.55'RT	2,561,730.98	397,571.88	MATCH EX.
H195	147+14.65	46.05'RT	2,561,731.15	397,592.00	MATCH EX.
H196	147+20.65	46.05'RT	2,561,731.05	397,598.00	MATCH EX.
H197	148+26.84	43.72'LT	2,561,639.56	397,702.71	MATCH EX.

LEGEND

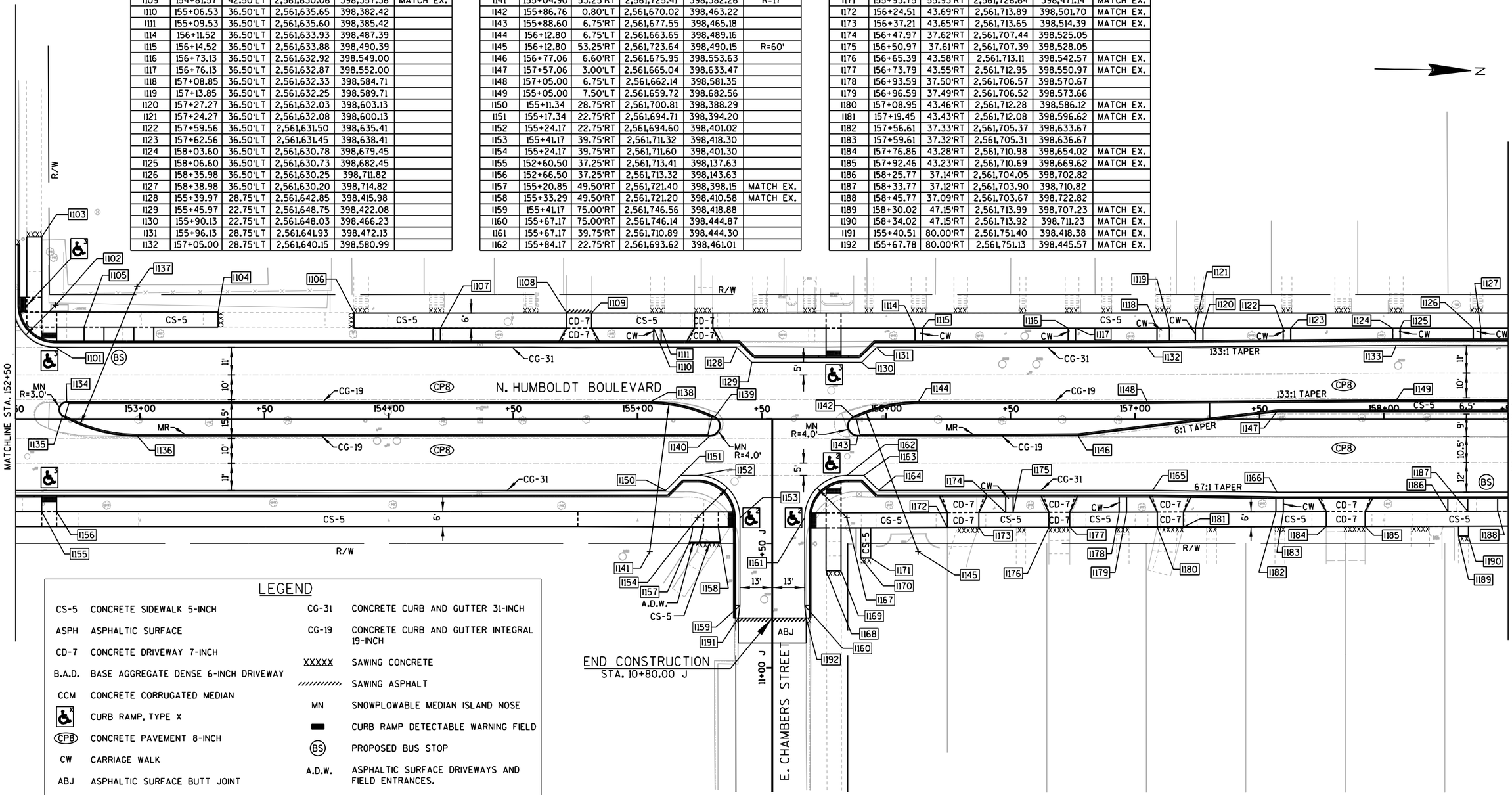
CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
X	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 40	E

POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
1101	152+66.08	28.75'LT	2,561,647.33	398,142.12	
1102	152+66.08	45.75'LT	2,561,630.33	398,141.84	R=17'
1103	152+60.50	73.20'LT	2,561,602.98	398,135.82	MATCH EX.
1104	153+31.40	42.90'LT	2,561,632.11	398,207.21	MATCH EX.
1105	152+77.50	36.90'LT	2,561,639.00	398,153.41	
1106	153+86.00	42.50'LT	2,561,631.62	398,261.81	MATCH EX.
1107	154+20.74	36.50'LT	2,561,637.05	398,296.64	
1108	154+71.57	42.50'LT	2,561,630.22	398,347.36	MATCH EX.
1109	154+81.57	42.50'LT	2,561,630.06	398,357.36	MATCH EX.
1110	155+06.53	36.50'LT	2,561,635.65	398,382.42	
1111	155+09.53	36.50'LT	2,561,635.60	398,385.42	
1114	156+11.52	36.50'LT	2,561,633.93	398,487.39	
1115	156+14.52	36.50'LT	2,561,633.88	398,490.39	
1116	156+73.13	36.50'LT	2,561,632.92	398,549.00	
1117	156+76.13	36.50'LT	2,561,632.87	398,552.00	
1118	157+08.85	36.50'LT	2,561,632.33	398,584.71	
1119	157+13.85	36.50'LT	2,561,632.25	398,589.71	
1120	157+27.27	36.50'LT	2,561,632.03	398,603.13	
1121	157+24.27	36.50'LT	2,561,632.08	398,600.13	
1122	157+59.56	36.50'LT	2,561,631.50	398,635.41	
1123	157+62.56	36.50'LT	2,561,631.45	398,638.41	
1124	158+03.60	36.50'LT	2,561,630.78	398,679.45	
1125	158+06.60	36.50'LT	2,561,630.73	398,682.45	
1126	158+35.98	36.50'LT	2,561,630.25	398,711.82	
1127	158+38.98	36.50'LT	2,561,630.20	398,714.82	
1128	155+39.97	28.75'LT	2,561,642.85	398,415.98	
1129	155+45.97	22.75'LT	2,561,648.75	398,422.08	
1130	155+90.13	22.75'LT	2,561,648.03	398,466.23	
1131	155+96.13	28.75'LT	2,561,641.93	398,472.13	
1132	157+05.00	28.75'LT	2,561,640.15	398,580.99	

POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
1133	158+05.00	29.50'LT	2,561,637.76	398,680.96	
1134	152+70.53	6.75'LT	2,561,669.26	398,146.94	
1135	152+68.90	1.23'LT	2,561,674.80	398,145.40	
1136	152+98.81	6.75'RT	2,561,682.29	398,175.43	
1137	152+98.81	53.25'LT	2,561,622.30	398,174.45	R=60'
1138	155+04.90	6.75'LT	2,561,665.42	398,381.27	
1139	155+30.94	0.80'LT	2,561,670.94	398,407.41	
1140	155+29.11	6.75'RT	2,561,670.94	398,407.41	
1141	155+04.90	53.25'RT	2,561,725.41	398,382.26	R=17'
1142	155+86.76	0.80'LT	2,561,670.02	398,463.22	
1143	155+88.60	6.75'RT	2,561,677.55	398,465.18	
1144	156+12.80	6.75'LT	2,561,663.65	398,489.16	
1145	156+12.80	53.25'RT	2,561,723.64	398,490.15	R=60'
1146	156+77.06	6.60'RT	2,561,675.95	398,553.63	
1147	157+57.06	3.00'LT	2,561,665.04	398,633.47	
1148	157+05.00	6.75'LT	2,561,662.14	398,581.35	
1149	155+05.00	7.50'LT	2,561,659.72	398,682.56	
1150	155+11.34	28.75'RT	2,561,700.81	398,388.29	
1151	155+17.34	22.75'RT	2,561,694.71	398,394.20	
1152	155+24.17	22.75'RT	2,561,694.60	398,401.02	
1153	155+41.17	39.75'RT	2,561,711.32	398,418.30	
1154	155+24.17	39.75'RT	2,561,711.60	398,401.30	
1155	152+60.50	37.25'RT	2,561,713.41	398,137.63	
1156	152+66.50	37.25'RT	2,561,713.32	398,143.63	
1157	155+20.85	49.50'RT	2,561,721.40	398,398.15	MATCH EX.
1158	155+33.29	49.50'RT	2,561,721.20	398,410.58	MATCH EX.
1159	155+41.17	75.00'RT	2,561,746.56	398,418.88	
1160	155+67.17	75.00'RT	2,561,746.14	398,444.87	
1161	155+67.17	39.75'RT	2,561,710.89	398,444.30	
1162	155+84.17	22.75'RT	2,561,693.62	398,461.01	

POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
1163	155+91.00	22.75'RT	2,561,693.51	398,467.84	
1164	155+97.00	28.75'RT	2,561,699.41	398,473.94	
1165	157+07.06	28.75'RT	2,561,697.60	398,583.99	
1166	157+57.06	29.50'RT	2,561,697.54	398,634.00	
1167	155+84.17	39.75'RT	2,561,710.61	398,461.29	R=17'
1168	155+75.80	61.02'RT	2,561,732.02	398,453.28	MATCH EX.
1169	155+81.80	61.02'RT	2,561,731.92	398,459.27	MATCH EX.
1170	155+89.75	55.93'RT	2,561,726.70	398,467.14	MATCH EX.
1171	155+93.75	55.93'RT	2,561,726.64	398,471.14	MATCH EX.
1172	156+24.51	43.69'RT	2,561,713.89	398,501.70	MATCH EX.
1173	156+37.21	43.65'RT	2,561,713.65	398,514.39	MATCH EX.
1174	156+47.97	37.62'RT	2,561,707.44	398,525.05	
1175	156+50.97	37.61'RT	2,561,707.39	398,528.05	
1176	156+65.39	43.58'RT	2,561,713.11	398,542.57	MATCH EX.
1177	156+73.79	43.55'RT	2,561,712.95	398,550.97	MATCH EX.
1178	156+93.59	37.50'RT	2,561,706.57	398,570.67	
1179	156+96.59	37.49'RT	2,561,706.52	398,573.66	
1180	157+08.95	43.46'RT	2,561,712.28	398,586.12	MATCH EX.
1181	157+19.45	43.43'RT	2,561,712.08	398,596.62	MATCH EX.
1182	157+56.61	37.33'RT	2,561,705.37	398,633.67	
1183	157+59.61	37.32'RT	2,561,705.31	398,636.67	
1184	157+76.86	43.28'RT	2,561,710.98	398,654.02	MATCH EX.
1185	157+92.46	43.23'RT	2,561,710.69	398,669.62	MATCH EX.
1186	158+25.77	37.14'RT	2,561,704.05	398,702.82	
1187	158+33.77	37.12'RT	2,561,703.90	398,710.82	
1188	158+45.77	37.09'RT	2,561,703.67	398,722.82	
1189	158+30.02	47.15'RT	2,561,713.99	398,707.23	MATCH EX.
1190	158+34.02	47.15'RT	2,561,713.92	398,711.23	MATCH EX.
1191	155+40.51	80.00'RT	2,561,751.40	398,418.38	MATCH EX.
1192	155+67.78	80.00'RT	2,561,751.13	398,445.57	MATCH EX.



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET	E

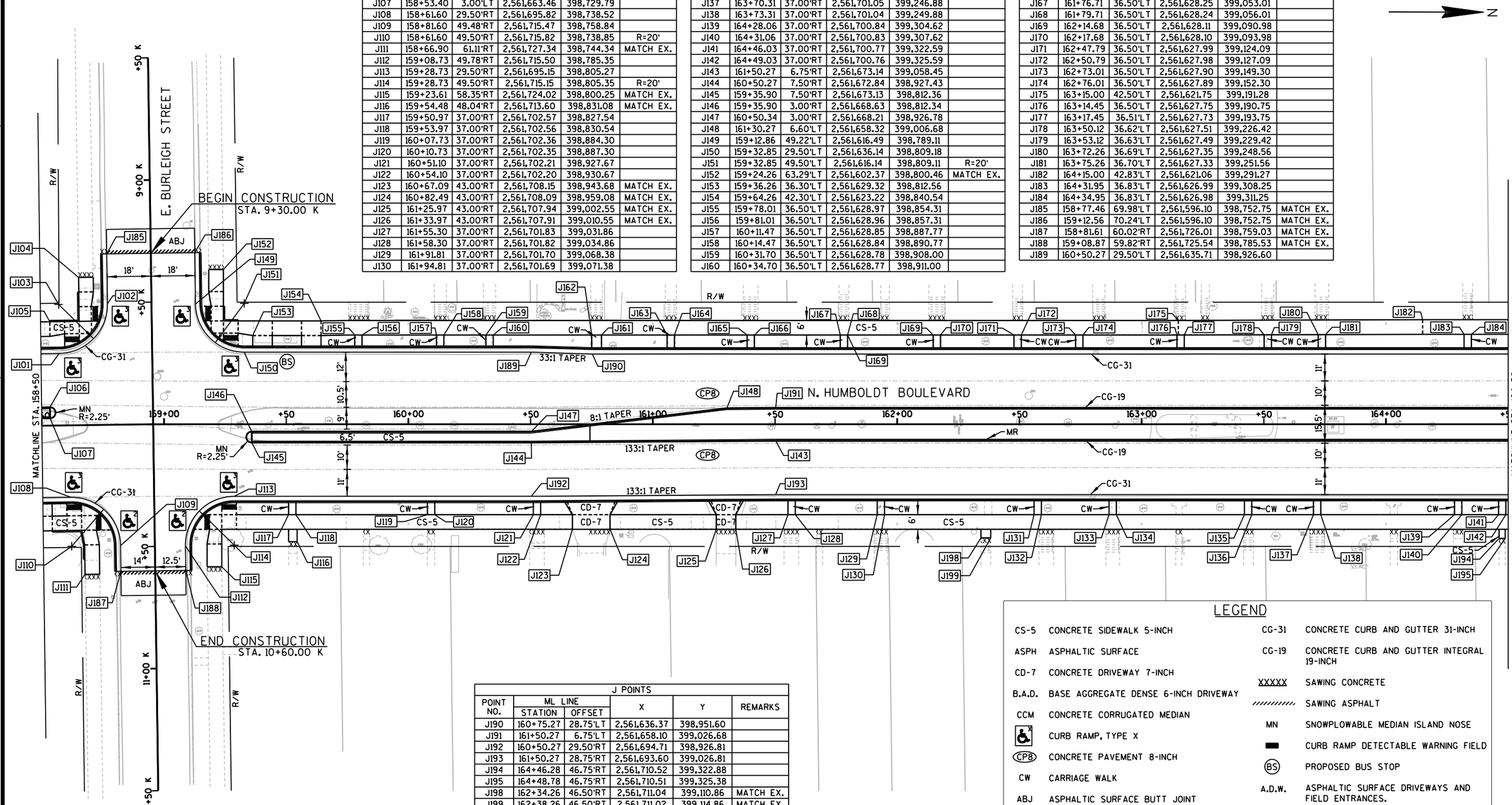
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2

J POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
J101	158+57.48	29.50'LT	2,561,636.90	398,733.44	
J102	158+77.48	49.52'LT	2,561,616.55	398,753.11	
J103	158+57.48	49.50'LT	2,561,616.90	398,733.11	R=20'
J104	158+65.80	60.50'LT	2,561,605.77	398,741.25	MATCH EX.
J105	158+53.80	42.50'LT	2,561,623.96	398,729.54	
J106	158+53.40	7.50'LT	2,561,658.96	398,729.72	
J107	158+53.40	3.00'LT	2,561,663.46	398,729.79	
J108	158+61.60	29.50'RT	2,561,695.82	398,738.52	
J109	158+81.60	49.48'RT	2,561,715.47	398,758.84	
J110	158+61.60	49.50'RT	2,561,715.82	398,738.85	R=20'
J111	158+66.90	61.11'RT	2,561,727.34	398,744.34	MATCH EX.
J112	159+08.73	49.78'RT	2,561,715.50	398,785.35	
J113	159+28.73	29.50'RT	2,561,695.15	398,805.27	
J114	159+28.73	49.50'RT	2,561,715.15	398,805.35	R=20'
J115	159+23.61	58.35'RT	2,561,724.02	398,800.25	MATCH EX.
J116	159+54.48	48.04'RT	2,561,713.60	398,831.08	MATCH EX.
J117	159+50.97	37.00'RT	2,561,702.57	398,827.54	
J118	159+53.97	37.00'RT	2,561,702.56	398,830.54	
J119	160+07.73	37.00'RT	2,561,702.36	398,884.30	
J120	160+10.73	37.00'RT	2,561,702.35	398,887.30	
J121	160+51.10	37.00'RT	2,561,702.21	398,927.67	
J122	160+54.10	37.00'RT	2,561,702.20	398,930.67	
J123	160+67.09	43.00'RT	2,561,708.15	398,943.68	MATCH EX.
J124	160+82.49	43.00'RT	2,561,708.09	398,959.08	MATCH EX.
J125	161+25.97	43.00'RT	2,561,707.94	399,002.55	MATCH EX.
J126	161+33.97	43.00'RT	2,561,707.91	399,010.55	MATCH EX.
J127	161+55.30	37.00'RT	2,561,701.83	399,031.86	
J128	161+58.30	37.00'RT	2,561,701.82	399,034.86	
J129	161+91.81	37.00'RT	2,561,701.70	399,068.38	
J130	161+94.81	37.00'RT	2,561,701.69	399,071.38	

J POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
J131	162+56.01	37.00'RT	2,561,701.46	399,132.58	
J132	162+59.01	37.00'RT	2,561,701.45	399,135.58	
J133	162+86.69	37.00'RT	2,561,701.35	399,163.26	
J134	162+89.69	37.00'RT	2,561,701.34	399,166.26	
J135	163+42.09	37.00'RT	2,561,701.15	399,218.66	
J136	163+45.09	37.00'RT	2,561,701.14	399,221.66	
J137	163+70.31	37.00'RT	2,561,701.05	399,246.88	
J138	163+73.31	37.00'RT	2,561,701.04	399,249.88	
J139	164+28.06	37.00'RT	2,561,700.84	399,304.62	
J140	164+31.06	37.00'RT	2,561,700.83	399,307.62	
J141	164+46.03	37.00'RT	2,561,700.77	399,322.59	
J142	164+49.03	37.00'RT	2,561,700.76	399,325.59	
J143	161+50.27	6.75'RT	2,561,673.14	399,058.45	
J144	160+50.27	7.50'RT	2,561,672.84	398,927.43	
J145	159+35.90	7.50'RT	2,561,673.13	398,812.36	
J146	159+35.90	3.00'RT	2,561,668.63	398,812.34	
J147	160+50.34	3.00'RT	2,561,668.21	398,926.78	
J148	161+30.27	6.60'LT	2,561,658.32	399,006.68	
J149	159+12.86	49.22'LT	2,561,616.49	398,789.11	
J150	159+32.85	29.50'LT	2,561,636.14	398,809.18	
J151	159+32.85	49.50'LT	2,561,616.14	398,809.11	R=20'
J152	159+24.26	63.29'LT	2,561,602.37	398,800.46	MATCH EX.
J153	159+36.26	36.30'LT	2,561,629.32	398,812.56	
J154	159+64.26	42.30'LT	2,561,623.22	398,840.54	
J155	159+78.01	36.50'LT	2,561,628.97	398,854.31	
J156	159+81.01	36.50'LT	2,561,628.96	398,857.31	
J157	160+11.47	36.50'LT	2,561,628.85	398,887.77	
J158	160+14.47	36.50'LT	2,561,628.84	398,890.77	
J159	160+31.70	36.50'LT	2,561,628.78	398,908.00	
J160	160+34.70	36.50'LT	2,561,628.77	398,911.00	

J POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
J161	160+78.99	36.50'LT	2,561,628.61	398,955.29	
J162	160+74.99	36.50'LT	2,561,628.62	398,951.29	
J163	161+05.86	36.50'LT	2,561,628.51	398,982.16	
J164	161+08.86	36.50'LT	2,561,628.50	398,985.16	
J165	161+38.58	36.50'LT	2,561,628.39	399,014.88	
J166	161+41.58	36.50'LT	2,561,628.38	399,017.88	
J167	161+76.71	36.50'LT	2,561,628.25	399,053.01	
J168	161+79.71	36.50'LT	2,561,628.24	399,056.01	
J169	162+14.68	36.50'LT	2,561,628.11	399,090.98	
J170	162+17.68	36.50'LT	2,561,628.10	399,093.98	
J171	162+47.79	36.50'LT	2,561,627.99	399,124.09	
J172	162+50.79	36.50'LT	2,561,627.98	399,127.09	
J173	162+73.01	36.50'LT	2,561,627.90	399,149.30	
J174	162+76.01	36.50'LT	2,561,627.89	399,152.30	
J175	163+15.00	42.50'LT	2,561,621.75	399,191.28	
J176	163+14.45	36.50'LT	2,561,627.75	399,190.75	
J177	163+17.45	36.51'LT	2,561,627.73	399,193.75	
J178	163+50.12	36.62'LT	2,561,627.51	399,226.42	
J179	163+53.12	36.63'LT	2,561,627.49	399,229.42	
J180	163+72.26	36.69'LT	2,561,627.35	399,248.56	
J181	163+75.26	36.70'LT	2,561,627.33	399,251.56	
J182	164+15.00	42.83'LT	2,561,621.06	399,291.27	
J183	164+31.95	36.83'LT	2,561,626.99	399,308.25	
J184	164+34.95	36.83'LT	2,561,626.98	399,311.25	
J185	158+77.46	69.98'LT	2,561,596.10	398,752.75	MATCH EX.
J186	159+12.56	70.24'LT	2,561,596.10	398,752.75	MATCH EX.
J187	158+81.61	60.02'RT	2,561,726.01	398,759.03	MATCH EX.
J188	159+08.87	59.82'RT	2,561,725.54	398,785.53	MATCH EX.
J189	160+50.27	29.50'LT	2,561,635.71	398,926.60	



J POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
J190	160+75.27	28.75'LT	2,561,636.37	398,951.60	
J191	161+50.27	6.75'LT	2,561,658.10	399,026.68	
J192	160+50.27	29.50'RT	2,561,694.71	398,926.81	
J193	161+50.27	28.75'RT	2,561,693.60	399,026.81	
J194	164+46.28	46.75'RT	2,561,710.52	399,322.88	
J195	164+48.78	46.75'RT	2,561,710.51	399,325.38	
J198	162+34.26	46.50'RT	2,561,711.04	399,110.86	MATCH EX.
J199	162+38.26	46.50'RT	2,561,711.02	399,114.86	MATCH EX.

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

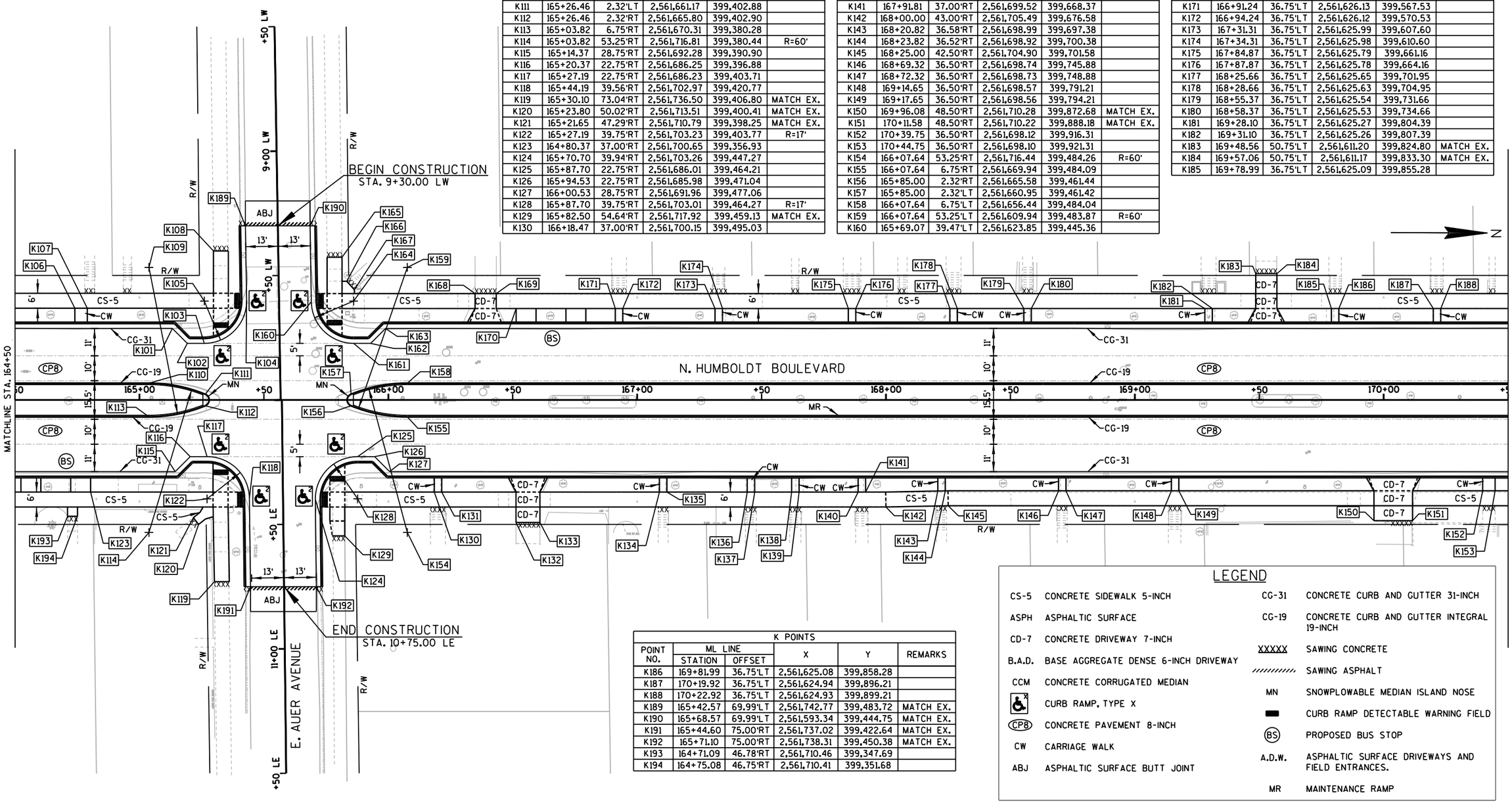
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 42	E

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K POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
K101	165+13.23	28.75'LT	2,561,634.78	399,389.56	
K102	165+19.23	22.75'LT	2,561,640.76	399,395.58	
K103	165+26.06	22.75'LT	2,561,640.73	399,402.41	
K104	165+43.06	40.03'LT	2,561,623.39	399,419.35	
K105	165+26.06	39.75'LT	2,561,623.73	399,402.35	R=17'
K106	164+74.04	36.83'LT	2,561,626.84	399,350.34	
K107	164+79.04	36.83'LT	2,561,626.82	399,355.34	
K108	165+29.74	59.85'LT	2,561,603.62	399,405.95	MATCH EX.
K109	165+03.82	53.25'LT	2,561,610.31	399,380.06	R=60'
K110	165+03.82	6.75'LT	2,561,656.81	399,380.23	
K111	165+26.46	2.32'LT	2,561,661.17	399,402.88	
K112	165+26.46	2.32'RT	2,561,665.80	399,402.90	
K113	165+03.82	6.75'RT	2,561,670.31	399,380.28	
K114	165+03.82	53.25'RT	2,561,716.81	399,380.44	R=60'
K115	165+14.37	28.75'RT	2,561,692.28	399,390.90	
K116	165+20.37	22.75'RT	2,561,686.25	399,396.88	
K117	165+27.19	22.75'RT	2,561,686.23	399,403.71	
K118	165+44.19	39.56'RT	2,561,702.97	399,420.77	
K119	165+30.10	73.04'RT	2,561,736.50	399,406.80	MATCH EX.
K120	165+23.80	50.02'RT	2,561,713.51	399,400.41	MATCH EX.
K121	165+21.65	47.29'RT	2,561,710.79	399,398.25	MATCH EX.
K122	165+27.19	39.75'RT	2,561,703.23	399,403.77	R=17'
K123	164+80.37	37.00'RT	2,561,700.65	399,356.93	
K124	165+70.70	39.94'RT	2,561,703.26	399,447.27	
K125	165+87.70	22.75'RT	2,561,686.01	399,464.21	
K126	165+94.53	22.75'RT	2,561,685.98	399,471.04	
K127	166+00.53	28.75'RT	2,561,691.96	399,477.06	
K128	165+87.70	39.75'RT	2,561,703.01	399,464.27	R=17'
K129	165+82.50	54.64'RT	2,561,717.92	399,459.13	MATCH EX.
K130	166+18.47	37.00'RT	2,561,700.15	399,495.03	

K POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
K131	166+21.47	37.00'RT	2,561,700.14	399,498.03	
K132	166+51.33	49.25'RT	2,561,712.28	399,527.93	MATCH EX.
K133	166+60.93	49.25'RT	2,561,712.24	399,537.53	MATCH EX.
K134	167+08.92	37.00'RT	2,561,699.82	399,585.48	
K135	167+11.92	37.00'RT	2,561,699.81	399,588.48	
K136	167+44.22	37.00'RT	2,561,699.69	399,620.78	
K137	167+47.22	37.00'RT	2,561,699.68	399,623.78	
K138	167+62.05	37.00'RT	2,561,699.63	399,638.61	
K139	167+65.05	37.00'RT	2,561,699.61	399,641.61	
K140	167+88.81	37.00'RT	2,561,699.53	399,665.37	
K141	167+91.81	37.00'RT	2,561,699.52	399,668.37	
K142	168+00.00	43.00'RT	2,561,705.49	399,676.58	
K143	168+20.82	36.58'RT	2,561,698.99	399,697.38	
K144	168+23.82	36.52'RT	2,561,698.92	399,700.38	
K145	168+25.00	42.50'RT	2,561,704.90	399,701.58	
K146	168+69.32	36.50'RT	2,561,698.74	399,745.88	
K147	168+72.32	36.50'RT	2,561,698.73	399,748.88	
K148	169+14.65	36.50'RT	2,561,698.57	399,791.21	
K149	169+17.65	36.50'RT	2,561,698.56	399,794.21	
K150	169+96.08	48.50'RT	2,561,710.28	399,872.68	MATCH EX.
K151	170+11.58	48.50'RT	2,561,710.22	399,888.18	MATCH EX.
K152	170+39.75	36.50'RT	2,561,698.12	399,916.31	
K153	170+44.75	36.50'RT	2,561,698.10	399,921.31	
K154	166+07.64	53.25'RT	2,561,716.44	399,484.26	R=60'
K155	166+07.64	6.75'RT	2,561,669.94	399,484.09	
K156	165+85.00	2.32'RT	2,561,665.58	399,461.44	
K157	165+85.00	2.32'LT	2,561,660.95	399,461.42	
K158	166+07.64	6.75'LT	2,561,656.44	399,484.04	
K159	166+07.64	53.25'LT	2,561,609.94	399,483.87	R=60'
K160	165+69.07	39.47'LT	2,561,623.85	399,445.36	

K POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
K161	165+86.07	22.75'LT	2,561,640.52	399,462.42	
K162	165+92.90	22.75'LT	2,561,640.49	399,469.25	
K163	165+98.90	28.75'LT	2,561,634.47	399,475.22	
K164	165+86.07	39.75'LT	2,561,623.52	399,462.36	R=17'
K165	165+81.38	57.34'LT	2,561,605.94	399,457.60	MATCH EX.
K166	165+83.31	47.70'LT	2,561,615.58	399,459.57	MATCH EX.
K167	165+86.34	44.31'LT	2,561,618.95	399,462.61	MATCH EX.
K168	166+34.89	42.75'LT	2,561,620.34	399,511.16	MATCH EX.
K169	166+43.39	42.75'LT	2,561,620.31	399,519.66	MATCH EX.
K170	166+51.40	36.75'LT	2,561,626.28	399,527.70	
K171	166+91.24	36.75'LT	2,561,626.13	399,567.53	
K172	166+94.24	36.75'LT	2,561,626.12	399,570.53	
K173	167+31.31	36.75'LT	2,561,625.99	399,607.60	
K174	167+34.31	36.75'LT	2,561,625.98	399,610.60	
K175	167+84.87	36.75'LT	2,561,625.79	399,661.16	
K176	167+87.87	36.75'LT	2,561,625.78	399,664.16	
K177	168+25.66	36.75'LT	2,561,625.65	399,701.95	
K178	168+28.66	36.75'LT	2,561,625.63	399,704.95	
K179	168+55.37	36.75'LT	2,561,625.54	399,731.66	
K180	168+58.37	36.75'LT	2,561,625.53	399,734.66	
K181	169+28.10	36.75'LT	2,561,625.27	399,804.39	
K182	169+31.10	36.75'LT	2,561,625.26	399,807.39	
K183	169+48.56	50.75'LT	2,561,611.20	399,824.80	MATCH EX.
K184	169+57.06	50.75'LT	2,561,611.17	399,833.30	MATCH EX.
K185	169+78.99	36.75'LT	2,561,625.09	399,855.28	



K POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
K186	169+81.99	36.75'LT	2,561,625.08	399,858.28	
K187	170+19.92	36.75'LT	2,561,624.94	399,896.21	
K188	170+22.92	36.75'LT	2,561,624.93	399,899.21	
K189	165+42.57	69.99'LT	2,561,742.77	399,483.72	MATCH EX.
K190	165+68.57	69.99'LT	2,561,593.34	399,444.75	MATCH EX.
K191	165+44.60	75.00'RT	2,561,737.02	399,422.64	MATCH EX.
K192	165+71.10	75.00'RT	2,561,738.31	399,450.38	MATCH EX.
K193	164+71.09	46.78'RT	2,561,710.46	399,347.69	
K194	164+75.08	46.75'RT	2,561,710.41	399,351.68	

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

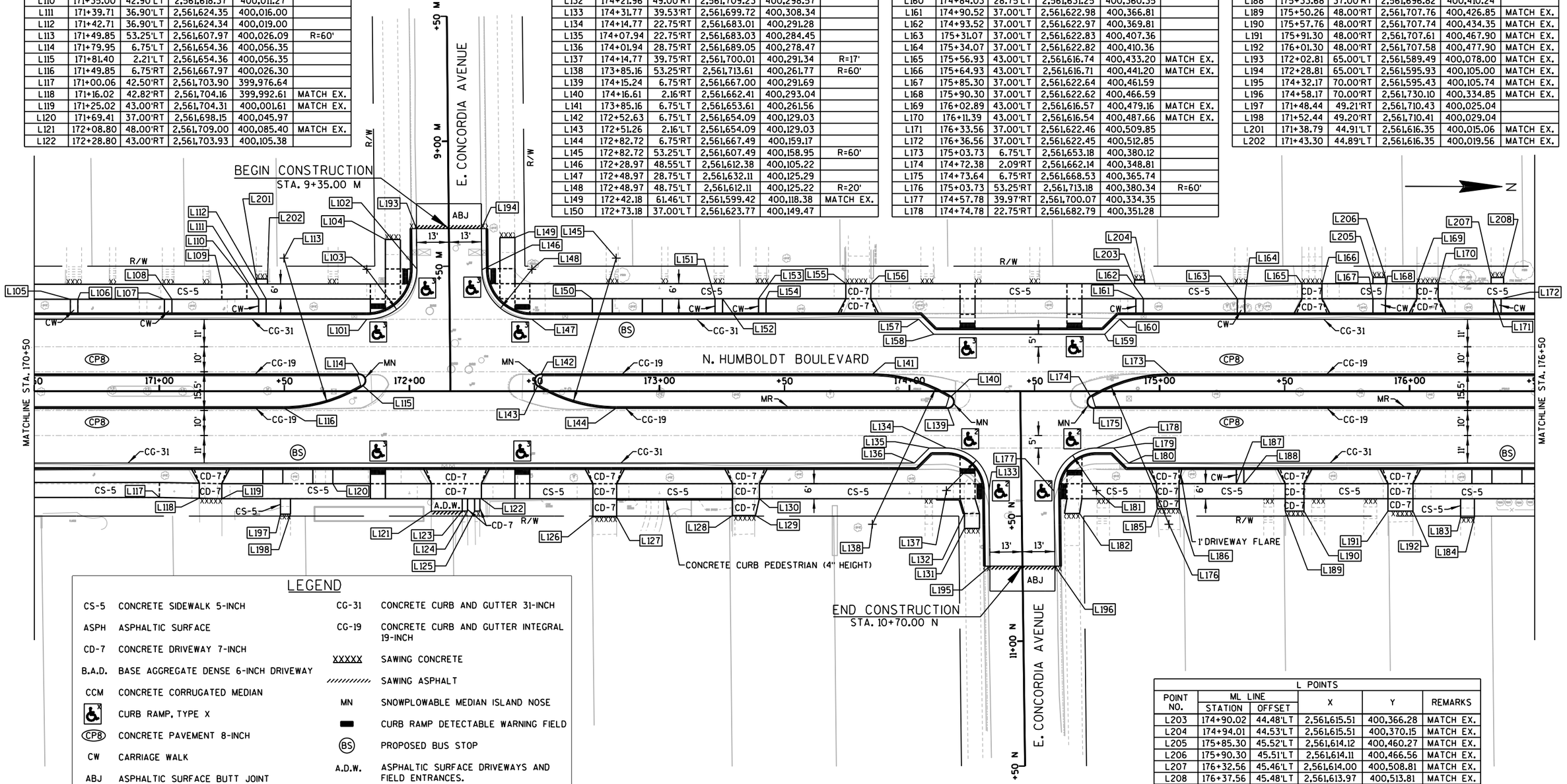
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 43	E

L POINTS				
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
L101	171+82.97	28.75'LT	2,561,632.35	400,059.29	
L102	172+02.96	48.95'LT	2,561,612.08	400,079.21	
L103	171+82.97	48.75'LT	2,561,612.35	400,059.21	R=20'
L104	171+90.41	60.66'LT	2,561,600.41	400,066.62	MATCH EX.
L105	170+64.41	36.75'LT	2,561,624.78	399,940.70	
L106	170+67.41	36.75'LT	2,561,624.77	399,943.70	
L107	171+02.07	36.75'LT	2,561,624.64	399,978.36	
L108	171+05.07	36.75'LT	2,561,624.63	399,981.36	
L109	171+25.00	42.75'LT	2,561,618.56	400,001.27	
L110	171+35.00	42.90'LT	2,561,618.37	400,011.27	
L111	171+39.71	36.90'LT	2,561,624.35	400,016.00	
L112	171+42.71	36.90'LT	2,561,624.34	400,019.00	
L113	171+49.85	53.25'LT	2,561,607.97	400,026.09	R=60'
L114	171+79.95	6.75'LT	2,561,654.36	400,056.35	
L115	171+81.40	2.21'LT	2,561,654.36	400,056.35	
L116	171+49.85	6.75'RT	2,561,667.97	400,026.30	
L117	171+00.06	42.50'RT	2,561,703.90	399,976.64	
L118	171+16.02	42.82'RT	2,561,704.16	399,992.61	MATCH EX.
L119	171+25.02	43.00'RT	2,561,704.31	400,001.61	MATCH EX.
L120	171+69.41	37.00'RT	2,561,698.15	400,045.97	
L121	172+08.80	48.00'RT	2,561,709.00	400,085.40	MATCH EX.
L122	172+28.80	43.00'RT	2,561,703.93	400,105.38	

L POINTS				
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
L123	172+21.12	48.00'RT	2,561,708.96	400,097.72	MATCH EX.
L124	172+23.27	48.00'RT	2,561,708.95	400,099.86	MATCH EX.
L125	172+26.09	48.00'RT	2,561,708.94	400,102.69	MATCH EX.
L126	172+73.41	50.25'RT	2,561,711.02	400,150.01	MATCH EX.
L127	172+82.91	50.25'RT	2,561,710.98	400,159.51	MATCH EX.
L128	173+29.25	49.75'RT	2,561,710.32	400,205.85	MATCH EX.
L129	173+38.41	49.75'RT	2,561,710.28	400,215.02	MATCH EX.
L130	173+39.95	43.00'RT	2,561,703.53	400,216.53	
L131	174+21.96	54.94'RT	2,561,715.17	400,298.59	MATCH EX.
L132	174+21.96	49.00'RT	2,561,709.23	400,298.57	
L133	174+31.77	39.53'RT	2,561,699.72	400,308.34	
L134	174+14.77	22.75'RT	2,561,683.01	400,291.28	
L135	174+07.94	22.75'RT	2,561,683.03	400,284.45	
L136	174+01.94	28.75'RT	2,561,689.05	400,278.47	
L137	174+14.77	39.75'RT	2,561,700.01	400,291.34	R=17'
L138	173+85.16	53.25'RT	2,561,713.61	400,261.77	R=60'
L139	174+15.24	6.75'RT	2,561,667.00	400,291.69	
L140	174+16.61	2.16'RT	2,561,662.41	400,293.04	
L141	173+85.16	6.75'LT	2,561,653.61	400,261.56	
L142	172+52.63	6.75'LT	2,561,654.09	400,129.03	
L143	172+51.26	2.16'LT	2,561,654.09	400,129.03	
L144	172+82.72	6.75'RT	2,561,667.49	400,159.17	
L145	172+82.72	53.25'LT	2,561,607.49	400,158.95	R=60'
L146	172+28.97	48.55'LT	2,561,612.38	400,105.22	
L147	172+48.97	28.75'LT	2,561,632.11	400,125.29	
L148	172+48.97	48.75'LT	2,561,612.11	400,125.22	R=20'
L149	172+42.18	61.46'LT	2,561,599.42	400,118.38	MATCH EX.
L150	172+73.18	37.00'LT	2,561,623.77	400,149.47	

L POINTS				
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
L151	173+22.22	37.00'LT	2,561,623.59	400,198.51	
L152	173+25.22	37.00'LT	2,561,623.58	400,201.51	
L153	173+39.62	37.00'LT	2,561,623.53	400,215.91	
L154	173+42.62	37.00'LT	2,561,623.52	400,218.91	
L155	173+74.52	43.00'LT	2,561,617.40	400,250.79	MATCH EX.
L156	173+84.52	43.00'LT	2,561,617.37	400,260.79	MATCH EX.
L157	174+03.67	28.75'LT	2,561,631.55	400,279.99	
L158	174+09.67	22.75'LT	2,561,637.52	400,286.01	
L159	174+78.03	22.75'LT	2,561,637.28	400,354.37	
L160	174+84.03	28.75'LT	2,561,631.25	400,360.35	
L161	174+90.52	37.00'LT	2,561,622.98	400,366.81	
L162	174+93.52	37.00'LT	2,561,622.97	400,369.81	
L163	175+31.07	37.00'LT	2,561,622.83	400,407.36	
L164	175+34.07	37.00'LT	2,561,622.82	400,410.36	
L165	175+56.93	43.00'LT	2,561,616.74	400,433.20	MATCH EX.
L166	175+64.93	43.00'LT	2,561,616.71	400,441.20	MATCH EX.
L167	175+85.30	37.00'LT	2,561,622.64	400,461.59	
L168	175+90.30	37.00'LT	2,561,622.62	400,466.59	
L169	176+02.89	43.00'LT	2,561,616.57	400,479.16	MATCH EX.
L170	176+11.39	43.00'LT	2,561,616.54	400,487.66	MATCH EX.
L171	176+33.56	37.00'LT	2,561,622.46	400,509.85	
L172	176+36.56	37.00'LT	2,561,622.45	400,512.85	
L173	175+03.73	6.75'LT	2,561,653.18	400,380.12	
L174	174+72.38	2.09'RT	2,561,662.14	400,348.81	
L175	174+73.64	6.75'RT	2,561,668.53	400,365.74	
L176	175+03.73	53.25'RT	2,561,713.18	400,380.34	R=60'
L177	174+57.78	39.97'RT	2,561,700.07	400,334.35	
L178	174+74.78	22.75'RT	2,561,682.79	400,351.28	

L POINTS				
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
L179	174+81.61	22.75'RT	2,561,682.76	400,358.11	
L180	174+87.61	28.75'RT	2,561,688.74	400,364.13	
L181	174+74.78	39.75'RT	2,561,699.79	400,351.34	R=17'
L182	174+68.00	48.92'RT	2,561,708.98	400,344.60	MATCH EX.
L183	176+20.39	50.57'RT	2,561,709.99	400,497.00	
L184	176+25.89	50.57'RT	2,561,710.06	400,502.50	
L185	174+99.07	47.00'RT	2,561,706.95	400,375.66	MATCH EX.
L186	175+07.92	47.00'RT	2,561,706.92	400,384.51	MATCH EX.
L187	175+30.68	37.00'RT	2,561,696.83	400,407.24	
L188	175+33.68	37.00'RT	2,561,696.82	400,410.24	
L189	175+50.26	48.00'RT	2,561,707.76	400,426.85	MATCH EX.
L190	175+57.76	48.00'RT	2,561,707.74	400,434.35	MATCH EX.
L191	175+91.30	48.00'RT	2,561,707.61	400,467.90	MATCH EX.
L192	176+01.30	48.00'RT	2,561,707.58	400,477.90	MATCH EX.
L193	172+02.81	65.00'LT	2,561,589.49	400,078.00	MATCH EX.
L194	172+28.81	65.00'LT	2,561,595.93	400,105.00	MATCH EX.
L195	174+32.17	70.00'RT	2,561,595.43	400,105.74	MATCH EX.
L196	174+58.17	70.00'RT	2,561,730.10	400,334.85	MATCH EX.
L197	171+48.44	49.21'RT	2,561,710.43	400,025.04	
L198	171+52.44	49.20'RT	2,561,710.41	400,029.04	
L201	171+38.79	44.91'LT	2,561,616.35	400,015.06	MATCH EX.
L202	171+43.30	44.89'LT	2,561,616.35	400,019.56	MATCH EX.



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

L POINTS				
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
L203	174+90.02	44.48'LT	2,561,615.51	400,366.28	MATCH EX.
L204	174+94.01	44.53'LT	2,561,615.51	400,370.15	MATCH EX.
L205	175+85.30	45.52'LT	2,561,614.12	400,460.27	MATCH EX.
L206	175+90.30	45.51'LT	2,561,614.11	400,466.56	MATCH EX.
L207	176+32.56	45.46'LT	2,561,614.00	400,508.81	MATCH EX.
L208	176+37.56	45.48'LT	2,561,613.97	400,513.81	MATCH EX.

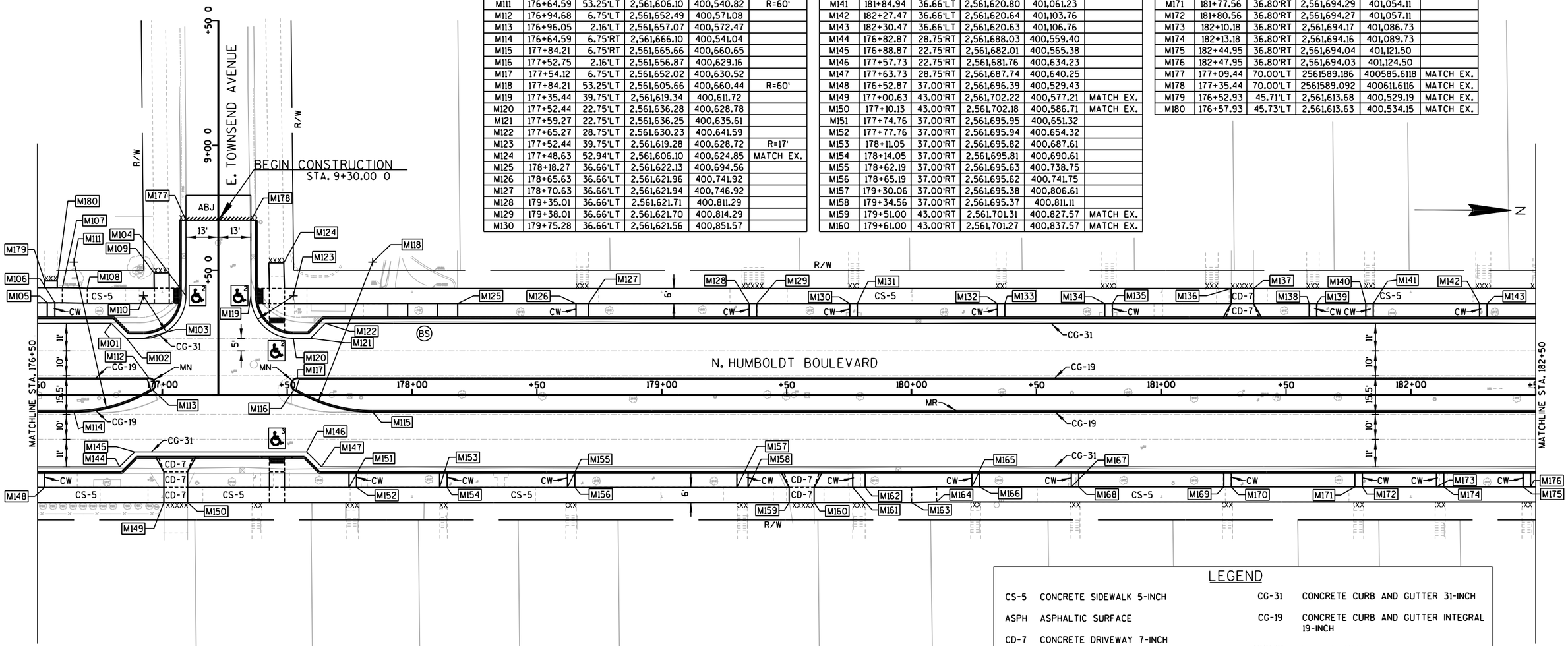
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 44	E

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M POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
M101	176+79.62	28.75'LT	2,561,630.54	400,555.93	
M102	176+85.62	22.75'LT	2,561,636.52	400,561.96	
M103	176+92.44	22.75'LT	2,561,636.50	400,568.78	
M104	177+09.44	39.75'LT	2,561,619.44	400,585.72	
M105	176+53.94	37.00'LT	2,561,622.39	400,530.23	
M106	176+56.94	37.00'LT	2,561,622.38	400,533.23	
M107	176+60.00	43.00'LT	2,561,616.37	400,536.27	
M108	176+70.00	42.80'LT	2,561,616.53	400,546.27	
M109	176+96.72	48.93'LT	2,561,610.30	400,572.97	MATCH EX.
M110	176+92.44	39.75'LT	2,561,619.50	400,568.72	R=17'
M111	176+64.59	53.25'LT	2,561,606.10	400,540.82	R=60'
M112	176+94.68	6.75'LT	2,561,652.49	400,571.08	
M113	176+96.05	2.16'LT	2,561,657.07	400,572.47	
M114	176+64.59	6.75'RT	2,561,666.10	400,541.04	
M115	177+84.21	6.75'RT	2,561,665.66	400,660.65	
M116	177+52.75	2.16'LT	2,561,656.87	400,629.16	
M117	177+54.12	6.75'LT	2,561,652.02	400,630.52	
M118	177+84.21	53.25'LT	2,561,605.66	400,660.44	R=60'
M119	177+35.44	39.75'LT	2,561,619.34	400,611.72	
M120	177+52.44	22.75'LT	2,561,636.28	400,628.78	
M121	177+59.27	22.75'LT	2,561,636.25	400,635.61	
M122	177+65.27	28.75'LT	2,561,630.23	400,641.59	
M123	177+52.44	39.75'LT	2,561,619.28	400,628.72	R=17'
M124	177+48.63	52.94'LT	2,561,606.10	400,624.85	MATCH EX.
M125	178+18.27	36.66'LT	2,561,622.13	400,694.56	
M126	178+65.63	36.66'LT	2,561,621.96	400,741.92	
M127	178+70.63	36.66'LT	2,561,621.94	400,746.92	
M128	179+35.01	36.66'LT	2,561,621.71	400,811.29	
M129	179+38.01	36.66'LT	2,561,621.70	400,814.29	
M130	179+75.28	36.66'LT	2,561,621.56	400,851.57	

M POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
M131	179+78.28	36.66'LT	2,561,621.55	400,854.57	
M132	180+34.40	36.66'LT	2,561,621.35	400,910.69	
M133	180+37.40	36.66'LT	2,561,621.33	400,913.69	
M134	180+77.45	36.66'LT	2,561,621.19	400,953.74	
M135	180+80.45	36.66'LT	2,561,621.18	400,956.74	
M136	181+28.02	42.66'LT	2,561,615.01	401,004.28	
M137	181+37.02	42.66'LT	2,561,614.97	401,013.28	
M138	181+59.26	36.66'LT	2,561,620.89	401,035.55	
M139	181+62.26	36.66'LT	2,561,620.88	401,038.55	
M140	181+81.94	36.66'LT	2,561,620.81	401,058.23	
M141	181+84.94	36.66'LT	2,561,620.80	401,061.23	
M142	182+27.47	36.66'LT	2,561,620.64	401,103.76	
M143	182+30.47	36.66'LT	2,561,620.63	401,106.76	
M144	176+82.87	28.75'RT	2,561,688.03	400,559.40	
M145	176+88.87	22.75'RT	2,561,682.01	400,565.38	
M146	177+57.73	22.75'RT	2,561,681.76	400,634.23	
M147	177+63.73	28.75'RT	2,561,687.74	400,640.25	
M148	176+52.87	37.00'RT	2,561,696.39	400,529.43	
M149	177+00.63	43.00'RT	2,561,702.22	400,577.21	MATCH EX.
M150	177+10.13	43.00'RT	2,561,702.18	400,586.71	MATCH EX.
M151	177+74.76	37.00'RT	2,561,695.95	400,651.32	
M152	177+77.76	37.00'RT	2,561,695.94	400,654.32	
M153	178+11.05	37.00'RT	2,561,695.82	400,687.61	
M154	178+14.05	37.00'RT	2,561,695.81	400,690.61	
M155	178+62.19	37.00'RT	2,561,695.63	400,738.75	
M156	178+65.19	37.00'RT	2,561,695.62	400,741.75	
M157	179+30.06	37.00'RT	2,561,695.38	400,806.61	
M158	179+34.56	37.00'RT	2,561,695.37	400,811.11	
M159	179+51.00	43.00'RT	2,561,701.31	400,827.57	MATCH EX.
M160	179+61.00	43.00'RT	2,561,701.27	400,837.57	MATCH EX.

M POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
M161	179+76.49	37.00'RT	2,561,695.22	400,853.04	
M162	179+81.49	37.00'RT	2,561,695.20	400,858.04	
M163	180+00.00	43.00'RT	2,561,701.13	400,876.58	
M164	180+10.00	42.80'RT	2,561,700.89	400,886.58	
M165	180+24.21	36.80'RT	2,561,694.84	400,900.76	
M166	180+27.21	36.80'RT	2,561,694.83	400,903.76	
M167	180+63.97	36.80'RT	2,561,694.70	400,940.52	
M168	180+66.97	36.80'RT	2,561,694.69	400,943.52	
M169	181+25.07	36.80'RT	2,561,694.48	401,001.62	
M170	181+28.07	36.80'RT	2,561,694.47	401,004.62	
M171	181+77.56	36.80'RT	2,561,694.29	401,054.11	
M172	181+80.56	36.80'RT	2,561,694.27	401,057.11	
M173	182+10.18	36.80'RT	2,561,694.17	401,086.73	
M174	182+13.18	36.80'RT	2,561,694.16	401,089.73	
M175	182+44.95	36.80'RT	2,561,694.04	401,121.50	
M176	182+47.95	36.80'RT	2,561,694.03	401,124.50	
M177	177+09.44	70.00'LT	2561589.186	400585.6118	MATCH EX.
M178	177+35.44	70.00'LT	2561589.092	400611.6116	MATCH EX.
M179	176+52.93	45.71'LT	2,561,613.68	400,529.19	MATCH EX.
M180	176+57.93	45.73'LT	2,561,613.63	400,534.15	MATCH EX.



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET	E

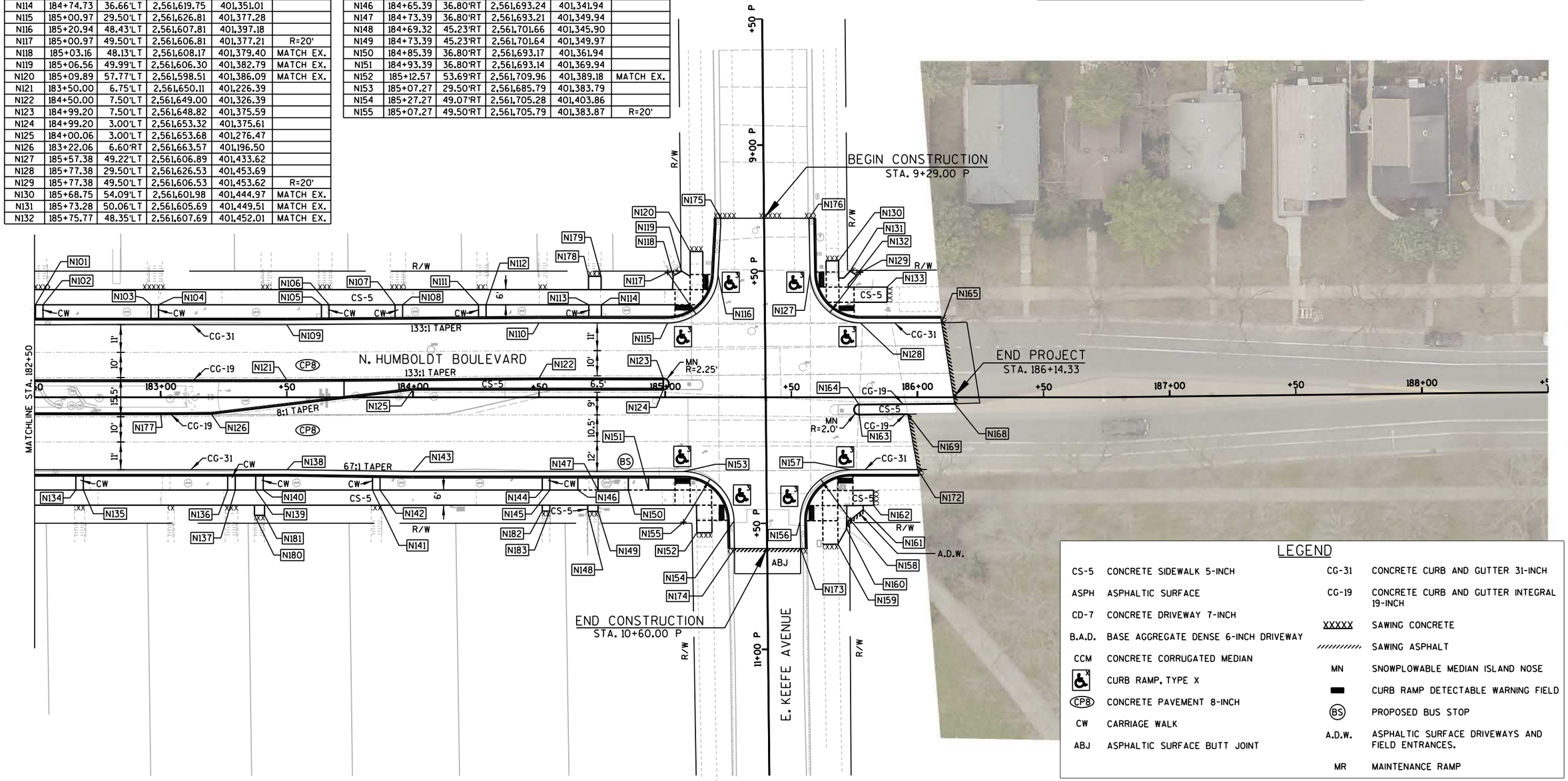
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N POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
N101	182+50.37	36.66'LT	2,561,620.56	401,126.66	
N102	182+53.37	36.66'LT	2,561,620.55	401,129.66	
N103	182+96.18	36.66'LT	2,561,620.40	401,172.46	
N104	182+99.18	36.66'LT	2,561,620.38	401,175.46	
N105	183+63.71	36.66'LT	2,561,620.15	401,239.99	
N106	183+66.71	36.66'LT	2,561,620.14	401,242.99	
N107	183+92.92	36.66'LT	2,561,620.05	401,269.20	
N108	183+95.92	36.66'LT	2,561,620.03	401,272.20	
N109	183+50.00	28.75'LT	2,561,628.11	401,226.31	
N110	184+50.00	29.50'LT	2,561,627.00	401,326.31	
N111	184+25.96	36.66'LT	2,561,619.92	401,302.24	
N112	184+28.96	36.66'LT	2,561,619.91	401,305.24	
N113	184+69.73	36.66'LT	2,561,619.76	401,346.01	
N114	184+74.73	36.66'LT	2,561,619.75	401,351.01	
N115	185+00.97	29.50'LT	2,561,626.81	401,377.28	
N116	185+20.94	48.43'LT	2,561,607.81	401,397.18	
N117	185+00.97	49.50'LT	2,561,606.81	401,377.21	R=20'
N118	185+03.16	48.13'LT	2,561,608.17	401,379.40	MATCH EX.
N119	185+06.56	49.99'LT	2,561,606.30	401,382.79	MATCH EX.
N120	185+09.89	57.77'LT	2,561,598.51	401,386.09	MATCH EX.
N121	183+50.00	6.75'LT	2,561,650.11	401,226.39	
N122	184+50.00	7.50'LT	2,561,649.00	401,326.39	
N123	184+99.20	7.50'LT	2,561,648.82	401,375.59	
N124	184+99.20	3.00'LT	2,561,653.32	401,375.61	
N125	184+00.06	3.00'LT	2,561,653.68	401,276.47	
N126	183+22.06	6.60'RT	2,561,663.57	401,196.50	
N127	185+57.38	49.22'LT	2,561,606.89	401,433.62	
N128	185+77.38	29.50'LT	2,561,626.53	401,453.69	
N129	185+77.38	49.50'LT	2,561,606.53	401,453.62	R=20'
N130	185+68.75	54.09'LT	2,561,601.98	401,444.97	MATCH EX.
N131	185+73.28	50.06'LT	2,561,605.69	401,449.51	MATCH EX.
N132	185+75.77	48.35'LT	2,561,607.69	401,452.01	MATCH EX.

N POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
N133	185+87.98	43.66'LT	2,561,612.34	401,464.24	MATCH EX.
N134	182+66.37	36.80'RT	2,561,693.96	401,142.92	
N135	182+69.37	36.80'RT	2,561,693.95	401,145.92	
N136	183+26.54	36.80'RT	2,561,693.74	401,203.09	
N137	183+29.54	36.80'RT	2,561,693.73	401,206.09	
N138	183+50.06	28.75'RT	2,561,685.61	401,226.58	
N139	183+37.67	36.80'RT	2,561,693.70	401,214.22	
N140	183+40.67	36.80'RT	2,561,693.69	401,217.22	
N141	183+83.99	36.80'RT	2,561,693.54	401,260.54	
N142	183+86.99	36.80'RT	2,561,693.52	401,263.54	
N143	184+00.06	29.50'RT	2,561,686.18	401,276.59	
N144	184+51.25	36.80'RT	2,561,693.29	401,327.80	
N145	184+54.25	36.80'RT	2,561,693.28	401,330.80	
N146	184+65.39	36.80'RT	2,561,693.24	401,341.94	
N147	184+73.39	36.80'RT	2,561,693.21	401,349.94	
N148	184+69.32	45.23'RT	2,561,701.66	401,345.90	
N149	184+73.39	45.23'RT	2,561,701.64	401,349.97	
N150	184+85.39	36.80'RT	2,561,693.17	401,361.94	
N151	184+93.39	36.80'RT	2,561,693.14	401,369.94	
N152	185+12.57	53.69'RT	2,561,709.96	401,389.18	MATCH EX.
N153	185+07.27	29.50'RT	2,561,685.79	401,383.79	
N154	185+27.27	49.07'RT	2,561,705.28	401,403.86	
N155	185+07.27	49.50'RT	2,561,705.79	401,383.87	R=20'

N POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
N156	185+53.47	49.18'RT	2,561,705.30	401,430.07	
N157	185+73.47	28.75'RT	2,561,684.80	401,449.99	
N158	185+73.47	48.75'RT	2,561,704.80	401,450.06	R=20'
N159	185+68.49	58.25'RT	2,561,714.32	401,445.12	MATCH EX.
N160	185+71.90	52.15'RT	2,561,708.20	401,448.51	MATCH EX.
N161	185+78.50	44.53'RT	2,561,700.56	401,455.08	MATCH EX.
N162	185+82.65	42.89'RT	2,561,698.91	401,459.22	MATCH EX.
N163	185+76.89	6.91'RT	2,561,662.95	401,453.33	
N164	185+76.85	2.91'RT	2,561,658.95	401,453.27	
N165	186+09.57	29.50'LT	2,561,626.42	401,485.88	MATCH EX.
N168	186+14.73	2.56'RT	2,561,658.46	401,491.16	MATCH EX.

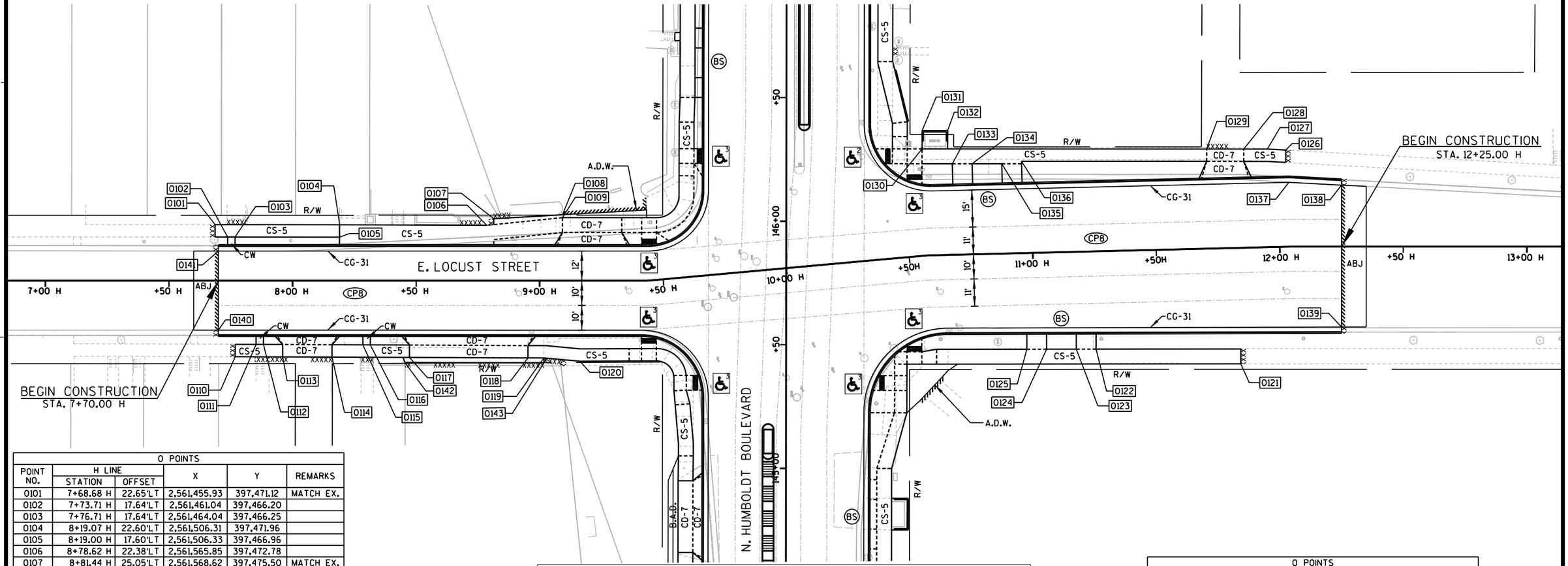
N POINTS					
POINT NO.	ML LINE STATION	ML LINE OFFSET	X	Y	REMARKS
N169	185+96.17	6.73'RT	2,561,662.70	401,472.61	MATCH EX.
N172	186+00.13	28.75'RT	2,561,684.70	401,476.65	MATCH EX.
N173	185+53.71	60.00'RT	2,561,716.12	401,430.34	MATCH EX.
N174	185+27.50	60.00'RT	2,561,715.64	401,405.61	MATCH EX.
N175	185+21.97	71.00'LT	2,561,584.25	401,397.71	MATCH EX.
N176	185+57.08	71.00'LT	2,561,585.11	401,433.23	MATCH EX.
N177	183+00.06	6.75'RT	2,561,663.79	401,176.50	
N178	184+69.58	47.92'LT	2,561,608.50	401,345.82	MATCH EX.
N179	184+74.58	47.92'LT	2,561,608.49	401,350.82	MATCH EX.
N180	183+37.17	46.80'RT	2,561,703.71	401,213.76	MATCH EX.
N181	183+41.17	46.79'RT	2,561,703.68	401,217.76	MATCH EX.
N182	184+51.26	45.17'RT	2,561,701.66	401,327.84	MATCH EX.
N183	184+54.26	45.16'RT	2,561,701.64	401,330.84	MATCH EX.



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 46	E



0 POINTS					
POINT NO.	H LINE STATION	H LINE OFFSET	X	Y	REMARKS
0101	7+68.68 H	22.65'LT	2,561,455.93	397,471.12	MATCH EX.
0102	7+73.71 H	17.64'LT	2,561,461.04	397,466.20	
0103	7+76.71 H	17.64'LT	2,561,464.04	397,466.25	
0104	8+19.07 H	22.60'LT	2,561,506.31	397,471.96	
0105	8+19.00 H	17.60'LT	2,561,506.33	397,466.96	
0106	8+78.62 H	22.38'LT	2,561,565.85	397,472.78	
0107	8+81.44 H	25.05'LT	2,561,568.62	397,475.50	MATCH EX.
0108	9+09.24 H	26.64'LT	2,561,596.39	397,477.59	MATCH EX.
0109	9+09.24 H	25.50'LT	2,561,596.41	397,476.44	
0110	7+76.79 H	30.74'RT	2,561,464.98	397,417.88	MATCH EX.
0111	7+85.23 H	25.78'RT	2,561,473.33	397,422.99	
0112	7+88.23 H	25.79'RT	2,561,476.33	397,423.03	
0113	7+95.98 H	30.82'RT	2,561,484.17	397,418.14	MATCH EX.
0114	8+15.98 H	30.90'RT	2,561,504.17	397,418.41	MATCH EX.
0115	8+28.48 H	25.96'RT	2,561,516.58	397,423.57	
0116	8+31.48 H	25.97'RT	2,561,519.58	397,423.61	
0117	8+47.29 H	31.03'RT	2,561,535.47	397,418.84	
0118	8+95.29 H	31.22'RT	2,561,583.46	397,419.49	
0119	9+01.71 H	31.24'RT	2,561,589.88	397,419.57	
0120	9+16.28 H	32.58'RT	2,561,604.48	397,418.49	
0121	11+83.12 H	46.92'RT	2,561,871.93	397,422.15	MATCH EX.
0122	11+24.69 H	39.56'RT	2,561,813.24	397,427.06	
0123	11+16.69 H	39.37'RT	2,561,805.25	397,426.91	
0124	11+04.70 H	39.09'RT	2,561,793.25	397,426.69	
0125	10+96.70 H	38.91'RT	2,561,785.25	397,426.54	
0126	12+03.34 H	39.09'LT	2,561,888.54	397,508.93	MATCH EX.
0127	11+95.93 H	39.68'LT	2,561,881.12	397,509.21	

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	CG-31	CONCRETE CURB AND GUTTER 31-INCH
ASPH	ASPHALTIC SURFACE	CG-19	CONCRETE CURB AND GUTTER INTEGRAL 19-INCH
CD-7	CONCRETE DRIVEWAY 7-INCH	XXXXX	SAWING CONCRETE
B.A.D.	BASE AGGREGATE DENSE 6-INCH DRIVEWAY	//////////	SAWING ASPHALT
CCM	CONCRETE CORRUGATED MEDIAN	MN	SNOWPLOWABLE MEDIAN ISLAND NOSE
	CURB RAMP, TYPE X		CURB RAMP DETECTABLE WARNING FIELD
CP8	CONCRETE PAVEMENT 8-INCH	BS	PROPOSED BUS STOP
CW	CARRIAGE WALK	A.D.W.	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES.
ABJ	ASPHALTIC SURFACE BUTT JOINT	MR	MAINTENANCE RAMP

0 POINTS					
POINT NO.	H LINE STATION	H LINE OFFSET	X	Y	REMARKS
0128	11+86.37 H	39.92'LT	2,561,871.55	397,509.05	MATCH EX.
0129	11+71.38 H	40.29'LT	2,561,856.56	397,508.79	MATCH EX.
0130	10+57.43 H	43.13'LT	2,561,741.09	397,506.20	
0131	10+57.43 H	50.51'LT	2,561,741.27	397,514.20	
0132	10+66.75 H	50.25'LT	2,561,741.27	397,514.20	
0133	10+68.36 H	36.81'LT	2,561,753.77	397,501.01	
0134	10+76.36 H	36.61'LT	2,561,753.77	397,501.01	
0135	10+88.36 H	36.32'LT	2,561,761.77	397,501.15	
0136	10+96.35 H	37.12'LT	2,561,781.73	397,502.50	
0137	12+04.31 H	26.00'LT	2,561,890.05	397,495.89	
0138	12+24.99 H	24.81'LT	2,561,911.39	397,495.08	MATCH EX.
0139	12+25.00 H	32.54'RT	2,561,912.40	397,437.74	MATCH EX.
0140	7+70.00 H	20.00'RT	2,561,458.00	397,428.50	MATCH EX.
0141	7+70.00 H	12.00'LT	2,561,451.71	397,460.38	MATCH EX.
0142	8+45.43 H	33.02'RT	2,561,533.65	397,416.81	MATCH EX.
0143	9+01.70 H	33.24'RT	2,561,589.92	397,417.57	MATCH EX.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN DETAILS	SCALE, FEET 0 20 40	SHEET 47	E

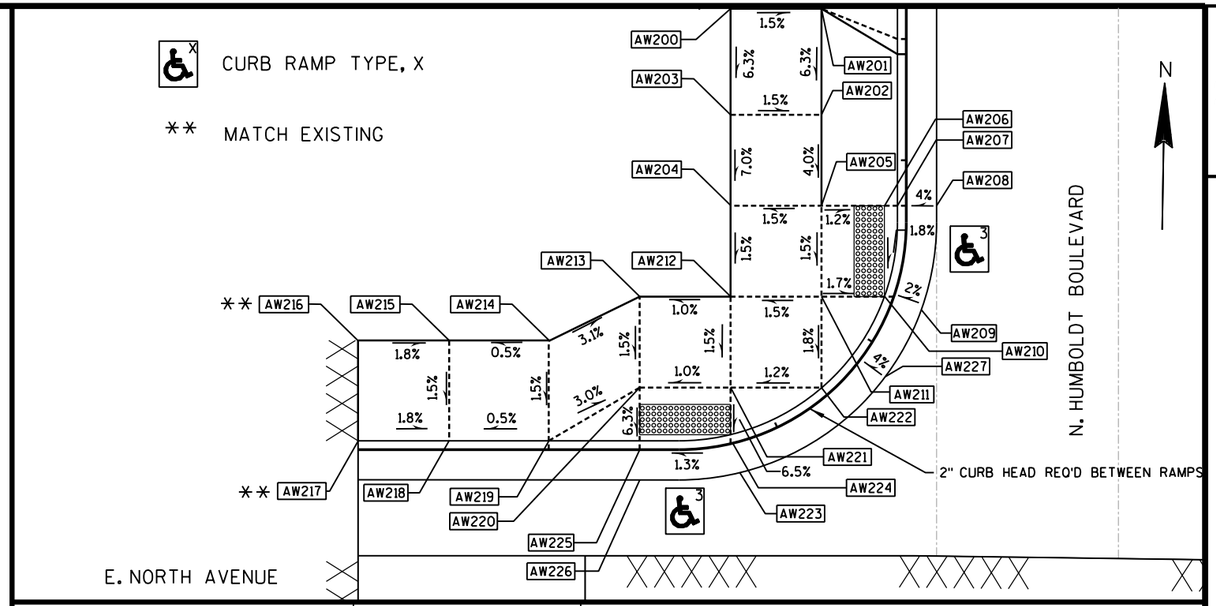
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
AW200	106+55.00	43.10'LT	393,531.43	2,561,708.27	82.39
AW201	106+55.00	37.10'LT	393,531.53	2,561,714.27	82.30
AW202	106+47.99	37.10'LT	393,524.52	2,561,714.38	81.86
AW203	106+47.99	43.10'LT	393,524.43	2,561,708.38	81.95
AW204	106+41.99	43.10'LT	393,518.43	2,561,708.48	81.53
AW205	106+41.99	37.10'LT	393,518.52	2,561,714.48	81.62
AW206	106+41.99	32.94'LT	393,518.59	2,561,718.64	81.57
AW207	106+41.99	32.08'LT	393,518.61	2,561,719.50	81.56
AW208	106+41.99	29.50'LT	393,518.65	2,561,722.08	81.63
AW209	106+35.12	30.51'LT	393,511.76	2,561,721.18	81.49
AW210	106+35.99	32.94'LT	393,512.59	2,561,718.74	81.46
AW211	106+35.99	37.10'LT	393,512.53	2,561,714.58	81.53
AW212	106+35.99	43.10'LT	393,512.43	2,561,708.58	81.44
AW213	106+35.99	49.10'LT	393,512.33	2,561,702.58	81.38
AW214	106+33.07	55.10'LT	393,509.31	2,561,696.63	81.59
AW215	106+33.10	61.68'LT	393,509.23	2,561,690.05	81.56
AW216	106+33.10	67.70'LT	393,509.13	2,561,684.03	81.67
AW217	106+26.48	67.70'LT	393,502.52	2,561,684.14	81.57
AW218	106+26.48	61.68'LT	393,502.61	2,561,690.16	81.46
AW219	106+26.48	55.10'LT	393,502.72	2,561,696.74	81.49
AW220	106+29.99	49.10'LT	393,506.33	2,561,702.68	81.29
AW221	106+29.99	43.10'LT	393,506.43	2,561,708.68	81.35
AW222	106+29.96	37.10'LT	393,506.50	2,561,714.68	81.42
AW223	106+24.37	42.49'LT	393,500.82	2,561,709.38	81.19
AW224	106+26.32	42.96'LT	393,502.75	2,561,708.87	81.11
AW225	106+25.90	49.10'LT	393,502.23	2,561,702.75	81.03
AW226	106+23.90	49.10'LT	393,500.23	2,561,702.78	81.11
AW227	106+30.70	32.90'LT	393,507.30	2,561,718.86	81.40

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
AW100	105+72.18	76.28'LT	393,448.90	2,561,676.13	79.87
AW101	105+64.09	76.20'LT	393,440.82	2,561,676.26	79.89
AW102	105+64.25	62.08'LT	393,441.05	2,561,690.38	79.47
AW103	105+72.34	62.21'LT	393,449.14	2,561,690.20	79.40
AW104	105+74.92	62.22'LT	393,451.72	2,561,690.18	79.15
AW105	105+74.99	56.24'LT	393,451.83	2,561,696.16	79.02
AW106	105+72.41	56.22'LT	393,449.24	2,561,696.19	79.27
AW107	105+64.32	56.08'LT	393,441.15	2,561,696.37	79.19
AW108	105+58.15	49.62'LT	393,435.02	2,561,702.87	78.72
AW109	105+56.55	49.61'LT	393,433.42	2,561,702.89	78.61
AW110	105+26.93	44.00'LT	393,403.83	2,561,708.67	75.38
AW111	105+38.57	44.25'LT	393,415.48	2,561,708.35	76.42
AW112	105+50.59	44.51'LT	393,427.49	2,561,708.02	77.49
AW113	105+56.58	44.64'LT	393,433.48	2,561,707.86	78.07
AW114	105+64.44	44.73'LT	393,441.34	2,561,707.73	78.83
AW115	105+64.38	50.22'LT	393,441.25	2,561,702.23	79.03
AW116	105+72.48	50.31'LT	393,449.34	2,561,702.10	79.15
AW117	105+72.01	44.81'LT	393,448.91	2,561,707.61	78.80
AW118	105+72.58	44.68'LT	393,449.47	2,561,707.74	78.79
AW119	105+74.52	44.22'LT	393,451.42	2,561,708.18	78.83
AW120	105+69.05	34.28'LT	393,446.01	2,561,718.15	78.74
AW121	105+67.63	35.69'LT	393,444.58	2,561,716.75	78.70
AW122	105+67.21	36.09'LT	393,444.16	2,561,716.35	78.71
AW123	105+64.51	38.73'LT	393,441.44	2,561,713.73	78.74
AW124	105+56.71	38.64'LT	393,433.64	2,561,713.86	77.98
AW125	105+50.70	38.51'LT	393,427.63	2,561,714.02	77.40
AW126	105+38.73	38.25'LT	393,415.66	2,561,714.35	76.33
AW127	105+26.99	38.00'LT	393,403.93	2,561,714.67	75.26
AW128	105+65.19	31.18'LT	393,442.16	2,561,721.27	78.23



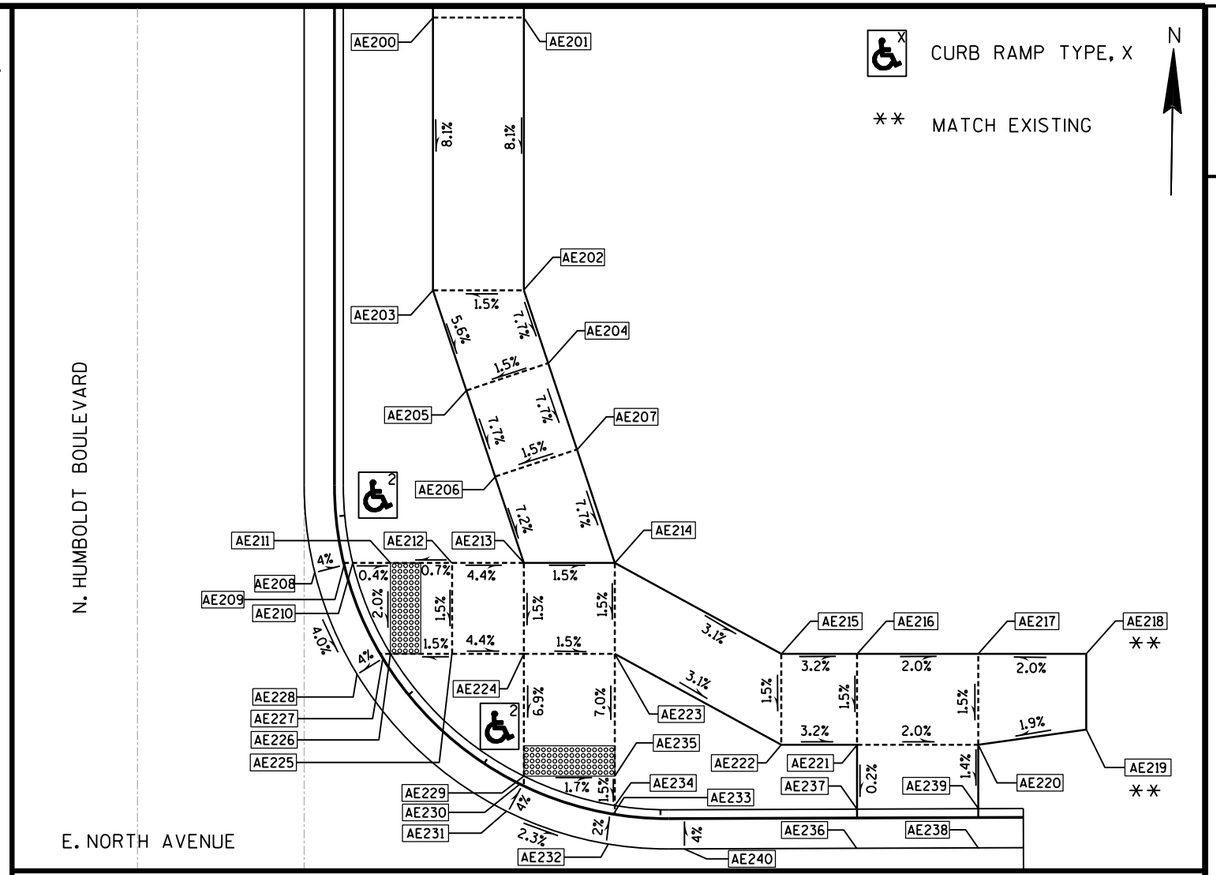
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 48	E

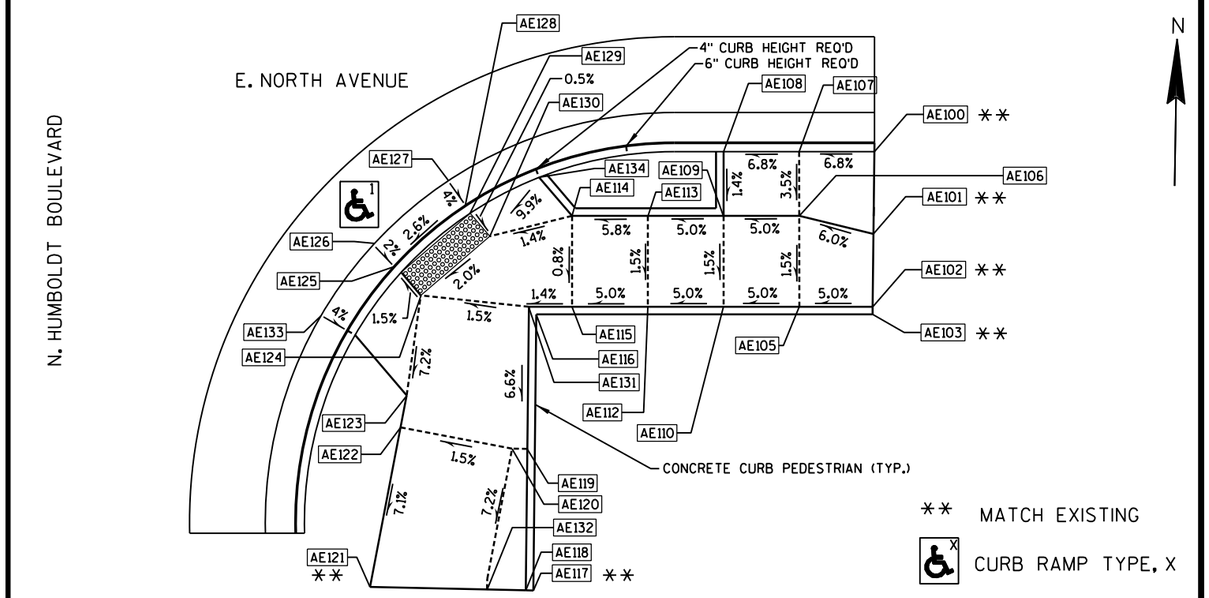
POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
AE200	106+78.00	38.00'RT	393,555.75	2,561,788.98	83.20
AE201	106+78.00	44.00'RT	393,555.85	2,561,794.98	83.29
AE202	106+60.00	44.00'RT	393,537.85	2,561,795.28	81.83
AE203	106+60.00	38.00'RT	393,537.75	2,561,789.28	81.74
AE204	106+55.18	45.61'RT	393,533.06	2,561,796.96	81.44
AE205	106+53.38	40.21'RT	393,531.17	2,561,791.59	81.35
AE206	106+47.69	42.10'RT	393,525.51	2,561,793.58	80.89
AE207	106+49.49	47.50'RT	393,527.40	2,561,798.95	80.98
AE208	106+41.38	30.20'RT	393,519.01	2,561,781.78	80.72
AE209	106+41.86	32.14'RT	393,519.52	2,561,783.71	80.64
AE210	106+42.00	32.70'RT	393,519.67	2,561,784.28	80.65
AE211	106+42.00	35.20'RT	393,519.71	2,561,786.77	80.64
AE212	106+42.00	39.26'RT	393,519.77	2,561,790.83	80.67
AE213	106+42.00	44.00'RT	393,519.85	2,561,795.57	80.46
AE214	106+42.00	50.00'RT	393,519.95	2,561,801.57	80.37
AE215	106+36.00	61.00'RT	393,514.13	2,561,812.67	79.98
AE216	106+36.00	66.00'RT	393,514.21	2,561,817.66	79.82
AE217	106+36.00	74.00'RT	393,514.34	2,561,825.66	79.66
AE218	106+36.00	81.13'RT	393,514.46	2,561,832.79	79.80
AE219	106+31.00	81.13'RT	393,509.46	2,561,832.87	79.71
AE220	106+30.00	74.00'RT	393,508.34	2,561,825.76	79.57
AE221	106+30.00	66.00'RT	393,508.21	2,561,817.76	79.73
AE222	106+30.00	61.00'RT	393,508.13	2,561,812.76	79.89
AE223	106+36.00	50.00'RT	393,513.95	2,561,801.67	80.28
AE224	106+36.00	44.00'RT	393,513.85	2,561,795.67	80.37
AE225	106+36.00	39.26'RT	393,513.77	2,561,790.93	80.58
AE226	106+36.00	35.20'RT	393,513.71	2,561,786.87	80.52
AE227	106+35.70	34.70'RT	393,513.40	2,561,786.37	80.51
AE228	106+34.66	32.99'RT	393,512.33	2,561,784.68	80.43
AE229	106+27.92	44.00'RT	393,505.78	2,561,795.80	79.81
AE230	106+27.40	43.74'RT	393,505.25	2,561,795.55	79.80
AE231	106+25.61	42.86'RT	393,503.44	2,561,794.69	79.88
AE232	106+23.44	49.58'RT	393,501.39	2,561,801.45	79.71
AE233	106+25.42	49.91'RT	393,503.37	2,561,801.74	79.67
AE234	106+25.99	50.00'RT	393,503.94	2,561,801.83	79.68
AE235	106+27.92	50.00'RT	393,505.88	2,561,801.80	79.71
AE236	106+23.16	65.98'RT	393,501.37	2,561,817.85	79.30
AE237	106+25.75	66.00'RT	393,503.96	2,561,817.83	79.72
AE238	106+23.19	74.00'RT	393,501.53	2,561,825.87	79.09
AE239	106+25.77	74.00'RT	393,504.12	2,561,825.83	79.51
AE240	106+23.12	54.59'RT	393,501.15	2,561,806.47	79.59

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
AE100	105+58.92	71.70'RT	393,436.46	2,561,824.18	78.26
AE101	105+53.49	71.70'RT	393,431.03	2,561,824.21	78.07
AE102	105+48.68	71.70'RT	393,426.22	2,561,824.24	77.92
AE103	105+48.18	71.70'RT	393,425.72	2,561,824.25	77.92
AE105	105+48.63	66.85'RT	393,426.14	2,561,819.39	77.68
AE106	105+54.63	66.78'RT	393,432.14	2,561,819.29	77.77
AE107	105+58.87	66.74'RT	393,436.38	2,561,819.22	77.92
AE108	105+58.81	61.74'RT	393,436.30	2,561,814.23	77.58
AE109	105+54.58	61.79'RT	393,432.06	2,561,814.30	77.52
AE110	105+48.58	61.85'RT	393,426.06	2,561,814.39	77.43
AE112	105+48.53	56.85'RT	393,425.98	2,561,809.40	77.18
AE113	105+54.53	56.79'RT	393,431.98	2,561,809.30	77.27
AE114	105+54.47	51.79'RT	393,431.90	2,561,804.30	76.98
AE115	105+48.47	51.85'RT	393,425.90	2,561,804.40	76.93
AE116	105+47.95	49.50'RT	393,425.36	2,561,802.05	77.47
AE117	105+29.71	49.50'RT	393,407.13	2,561,802.15	75.66
AE118	105+29.72	49.00'RT	393,407.13	2,561,801.65	75.65
AE119	105+39.06	49.00'RT	393,416.47	2,561,801.60	76.27
AE120	105+39.06	48.00'RT	393,416.47	2,561,800.60	76.26
AE121	105+29.84	38.72'RT	393,407.19	2,561,791.37	75.39
AE122	105+40.39	40.62'RT	393,417.75	2,561,793.21	76.15
AE123	105+42.51	41.00'RT	393,419.87	2,561,793.58	76.30
AE124	105+49.12	41.86'RT	393,426.49	2,561,794.40	76.78
AE125	105+51.01	40.11'RT	393,428.37	2,561,792.64	76.74
AE126	105+52.34	38.62'RT	393,429.70	2,561,791.14	76.78
AE127	105+56.71	43.61'RT	393,434.09	2,561,796.11	76.98
AE128	105+55.06	44.73'RT	393,432.44	2,561,797.24	76.90
AE129	105+54.57	45.06'RT	393,431.96	2,561,797.57	76.91
AE130	105+53.07	46.37'RT	393,430.46	2,561,798.89	76.90
AE131	105+48.44	49.00'RT	393,425.85	2,561,801.54	76.89
AE132	105+29.75	46.45'RT	393,407.15	2,561,799.10	75.58
AE133	105+47.53	35.19'RT	393,424.87	2,561,787.74	76.47
AE134	105+56.99	49.59'RT	393,434.40	2,561,802.08	77.40

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.





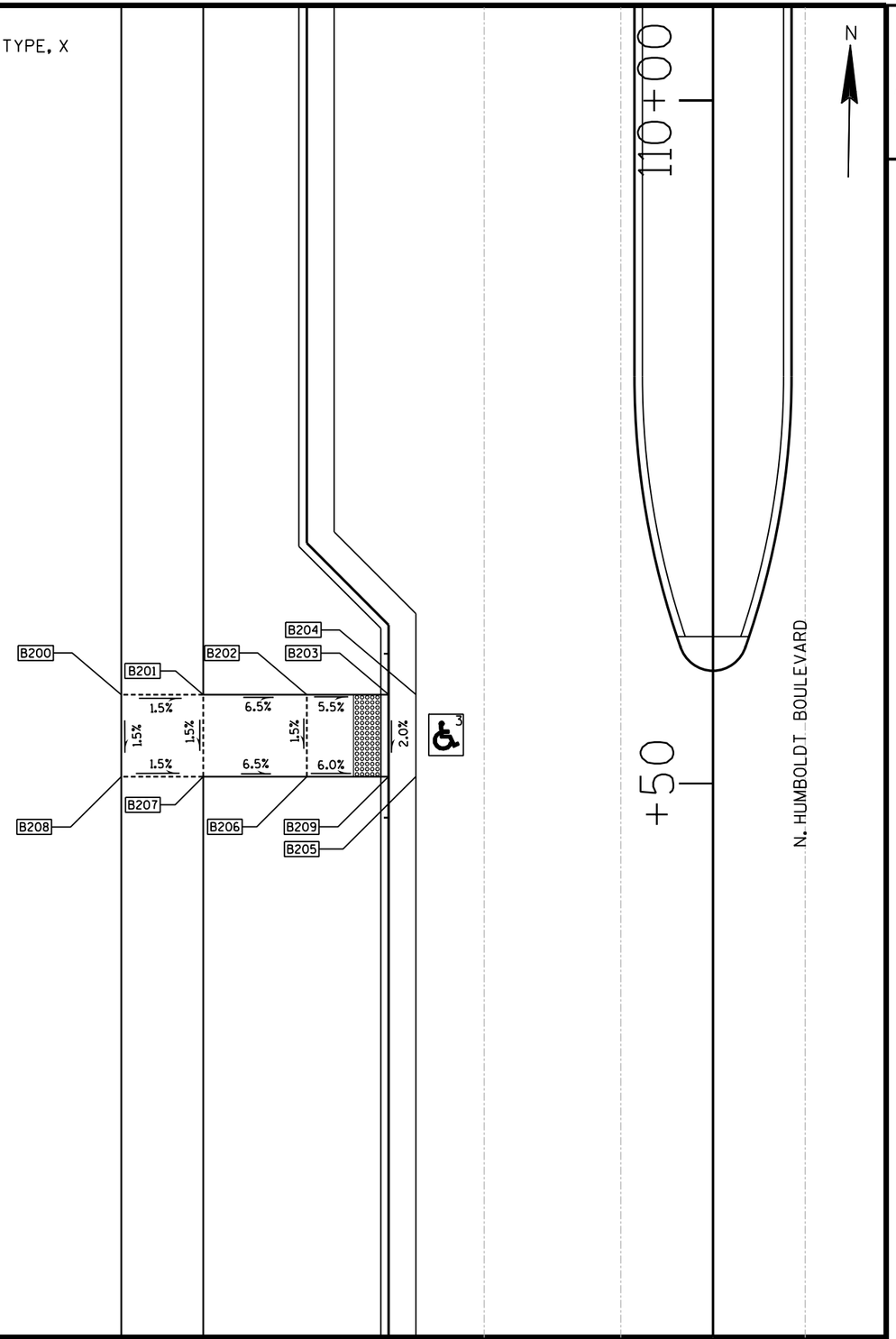
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 49	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
B200	109+56.51	43.33'LT	393,832.89	2,561,703.12	92.29
B201	109+56.51	37.33'LT	393,832.99	2,561,709.12	92.20
B202	109+56.51	29.75'LT	393,833.11	2,561,716.71	91.71
B203	109+56.51	23.75'LT	393,833.21	2,561,722.70	91.38
B204	109+56.51	21.75'LT	393,833.24	2,561,724.70	91.46
B205	109+50.51	21.75'LT	393,827.25	2,561,724.80	91.34
B206	109+50.51	29.75'LT	393,827.12	2,561,716.80	91.62
B207	109+50.51	37.33'LT	393,826.99	2,561,709.22	92.11
B208	109+50.51	43.33'LT	393,826.89	2,561,703.22	92.20
B209	109+50.51	23.75'LT	393,827.21	2,561,722.80	91.26

NOTES:

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3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

CURB RAMP TYPE, X

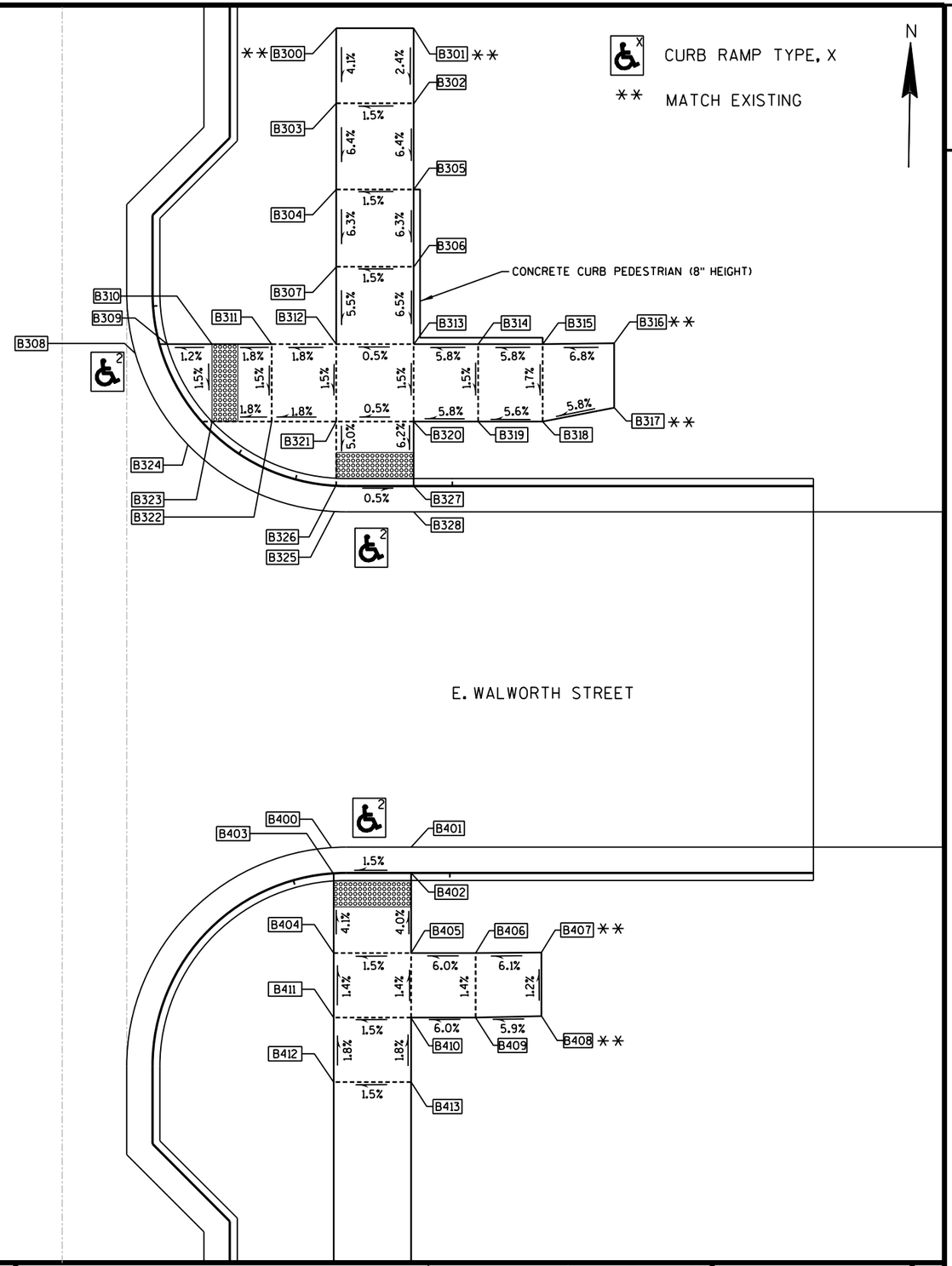


POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
B300	109+81.00	38.00'RT	393,858.71	2,561,784.05	92.77
B301	109+81.00	44.00'RT	393,858.81	2,561,790.05	92.76
B302	109+75.18	44.00'RT	393,852.99	2,561,790.14	92.62
B303	109+75.18	38.00'RT	393,852.89	2,561,784.14	92.53
B304	109+68.51	38.00'RT	393,846.22	2,561,784.25	92.10
B305	109+68.51	44.00'RT	393,846.31	2,561,790.25	92.19
B306	109+62.51	44.00'RT	393,840.32	2,561,790.35	91.81
B307	109+62.51	38.00'RT	393,840.22	2,561,784.35	91.72
B308	109+55.79	22.42'RT	393,833.25	2,561,768.88	91.25
B309	109+56.51	24.90'RT	393,834.00	2,561,771.35	91.18
B310	109+56.51	28.36'RT	393,834.06	2,561,774.81	91.22
B311	109+56.51	33.00'RT	393,834.14	2,561,779.45	91.30
B312	109+56.51	38.00'RT	393,834.22	2,561,784.45	91.39
B313	109+56.51	44.00'RT	393,834.32	2,561,790.45	91.42
B314	109+56.51	49.00'RT	393,834.40	2,561,795.45	91.71
B315	109+56.51	54.00'RT	393,834.48	2,561,800.44	92.00
B316	109+56.58	59.55'RT	393,834.64	2,561,805.99	92.38
B317	109+51.58	59.55'RT	393,829.64	2,561,806.07	92.23
B318	109+50.51	54.00'RT	393,828.48	2,561,800.54	91.90
B319	109+50.51	49.00'RT	393,828.40	2,561,795.54	91.62
B320	109+50.51	44.00'RT	393,828.32	2,561,790.54	91.33
B321	109+50.51	38.00'RT	393,828.22	2,561,784.54	91.30
B322	109+50.51	33.00'RT	393,828.14	2,561,779.54	91.21
B323	109+50.51	28.36'RT	393,828.06	2,561,774.91	91.13
B324	109+48.72	26.50'RT	393,826.25	2,561,773.07	91.20
B325	109+43.53	37.87'RT	393,821.24	2,561,784.52	91.13
B326	109+45.53	38.00'RT	393,823.24	2,561,784.63	91.05
B327	109+45.51	44.00'RT	393,823.32	2,561,790.62	91.02
B328	109+43.51	44.00'RT	393,821.32	2,561,790.66	91.10

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
B400	109+17.47	37.63'RT	393,795.18	2,561,784.71	90.45
B401	109+17.51	43.80'RT	393,795.32	2,561,790.88	90.54
B402	109+15.51	43.80'RT	393,793.32	2,561,790.91	90.46
B403	109+15.47	37.76'RT	393,793.19	2,561,784.88	90.37
B404	109+09.30	37.80'RT	393,787.01	2,561,785.02	90.62
B405	109+09.30	43.80'RT	393,787.11	2,561,791.01	90.71
B406	109+09.30	48.80'RT	393,787.19	2,561,796.01	91.01
B407	109+09.34	53.91'RT	393,787.32	2,561,801.12	91.32
B408	109+04.41	53.91'RT	393,782.39	2,561,801.20	91.38
B409	109+04.30	48.80'RT	393,782.19	2,561,796.10	91.08
B410	109+04.30	43.80'RT	393,782.11	2,561,791.10	90.78
B411	109+04.30	37.80'RT	393,782.02	2,561,785.10	90.69
B412	108+99.30	37.80'RT	393,777.02	2,561,785.18	90.78
B413	108+99.30	43.80'RT	393,777.11	2,561,791.18	90.87



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET	E

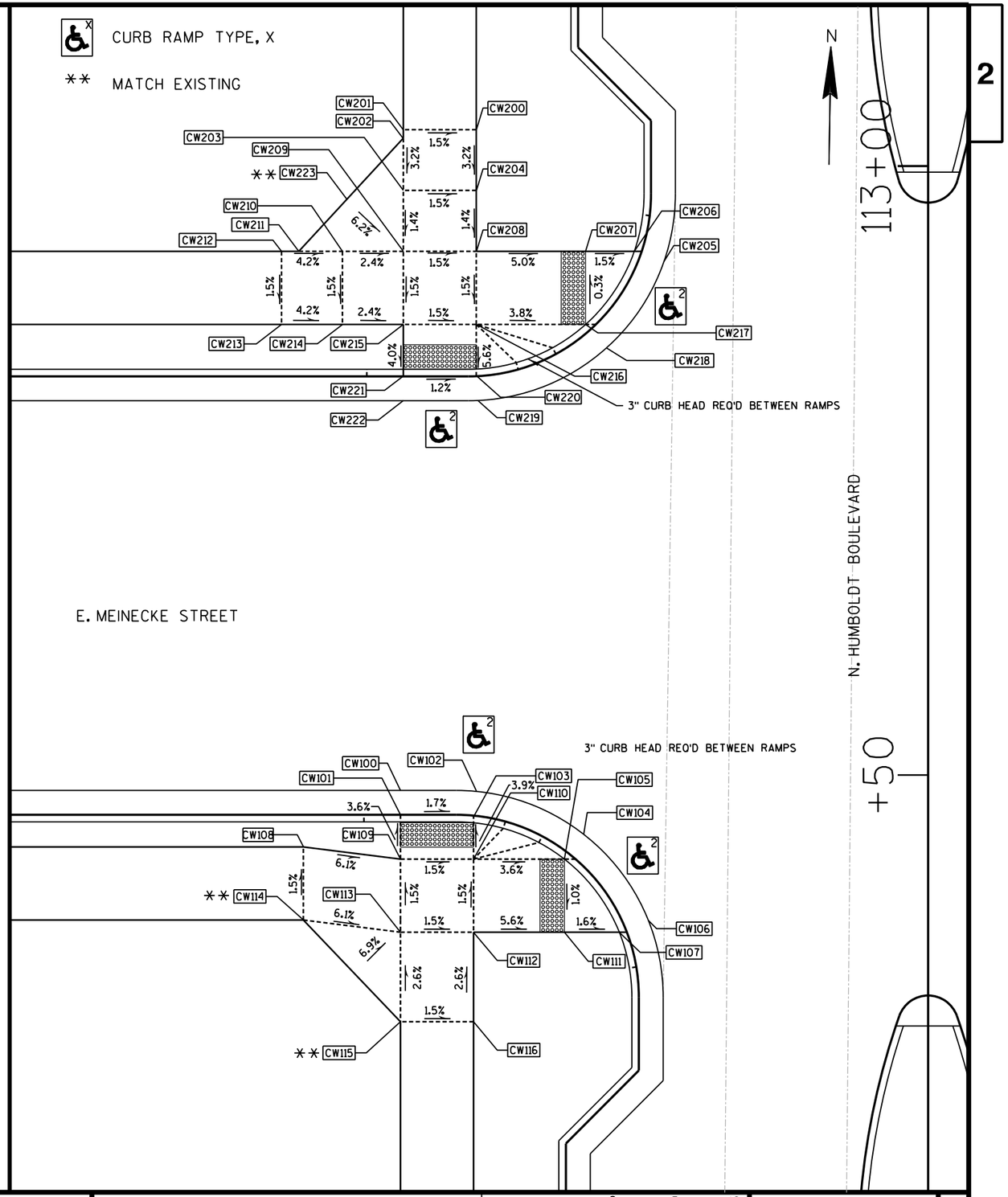
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
CW200	113+03.00	37.10'LT	394,179.44	2,561,703.71	99.43
CW201	113+03.00	43.11'LT	394,179.34	2,561,697.71	99.52
CW202	113+02.30	43.10'LT	394,178.65	2,561,697.72	99.50
CW203	112+98.00	43.10'LT	394,174.35	2,561,697.79	99.36
CW204	112+98.00	37.10'LT	394,174.44	2,561,703.79	99.27
CW205	112+92.15	21.70'LT	394,168.85	2,561,719.29	98.76
CW206	112+93.00	24.14'LT	394,169.65	2,561,716.84	98.69
CW207	112+93.00	28.13'LT	394,169.59	2,561,712.84	98.75
CW208	112+93.00	37.10'LT	394,169.44	2,561,703.87	99.20
CW209	112+93.00	43.10'LT	394,169.35	2,561,697.87	99.29
CW210	112+93.00	48.10'LT	394,169.26	2,561,692.87	99.41
CW211	112+93.00	51.69'LT	394,169.21	2,561,689.29	99.56
CW212	112+93.00	53.10'LT	394,169.18	2,561,687.87	99.62
CW213	112+87.00	53.10'LT	394,163.18	2,561,687.97	99.53
CW214	112+87.00	48.10'LT	394,163.27	2,561,692.97	99.32
CW215	112+87.00	43.10'LT	394,163.35	2,561,697.97	99.20
CW216	112+87.00	37.10'LT	394,163.44	2,561,703.97	99.11
CW217	112+87.00	28.13'LT	394,163.59	2,561,712.94	98.77
CW218	112+85.08	26.41'LT	394,161.69	2,561,714.69	98.84
CW219	112+80.76	36.99'LT	394,157.21	2,561,704.19	98.95
CW220	112+82.76	37.08'LT	394,159.20	2,561,704.06	98.87
CW221	112+82.74	43.10'LT	394,159.09	2,561,698.04	98.94
CW222	112+80.74	43.10'LT	394,157.09	2,561,698.07	99.02
CW223	112+97.28	47.74'LT	394,173.55	2,561,693.17	99.68

NOTES:

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3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
CW100	112+48.74	43.33'LT	394,125.09	2,561,698.36	98.95
CW101	112+46.74	43.33'LT	394,123.09	2,561,698.40	98.87
CW102	112+48.66	37.08'LT	394,125.11	2,561,704.62	98.85
CW103	112+46.67	37.28'LT	394,123.12	2,561,704.45	98.77
CW104	112+45.14	28.28'LT	394,121.73	2,561,713.47	98.71
CW105	112+43.10	29.87'LT	394,119.67	2,561,711.91	98.64
CW106	112+38.06	22.97'LT	394,114.74	2,561,718.90	98.58
CW107	112+37.10	25.37'LT	394,113.74	2,561,716.52	98.51
CW108	112+44.10	51.31'LT	394,120.32	2,561,690.47	99.49
CW109	112+43.10	43.33'LT	394,119.45	2,561,698.45	99.00
CW110	112+43.10	37.33'LT	394,119.55	2,561,704.45	98.91
CW111	112+37.10	29.87'LT	394,113.67	2,561,712.01	98.58
CW112	112+37.10	37.33'LT	394,113.55	2,561,704.55	99.00
CW113	112+37.10	43.33'LT	394,113.45	2,561,698.55	99.09
CW114	112+38.10	51.31'LT	394,114.32	2,561,690.56	99.58
CW115	112+29.75	43.33'LT	394,106.10	2,561,698.67	99.28
CW116	112+29.75	37.33'LT	394,106.19	2,561,704.67	99.19



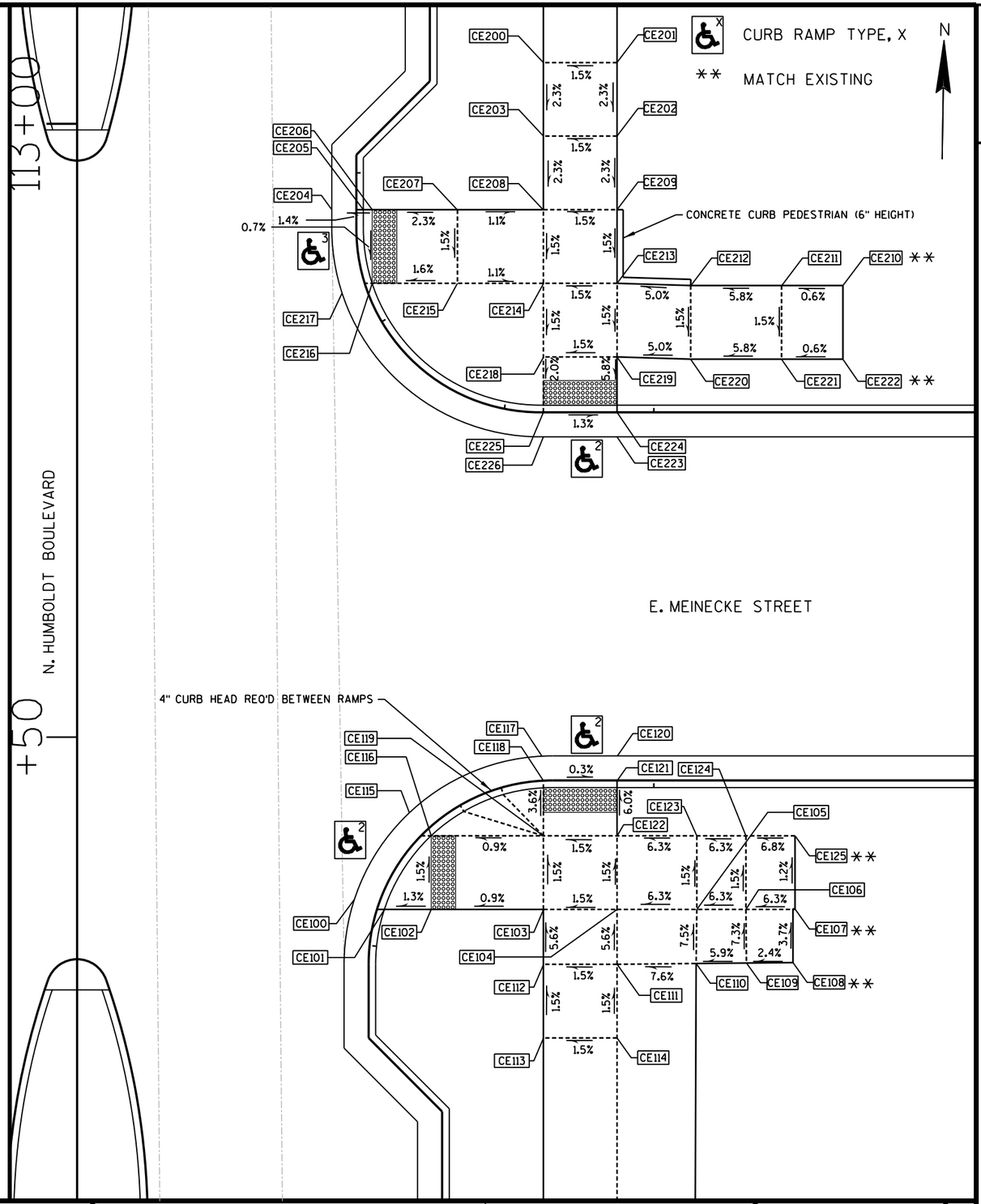
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 52	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
CE200	113+05.00	38.00'RT	394,182.67	2,561,778.77	98.80
CE201	113+05.00	44.00'RT	394,182.76	2,561,784.77	98.89
CE202	112+99.00	44.00'RT	394,176.76	2,561,784.87	98.75
CE203	112+99.00	38.00'RT	394,176.67	2,561,778.87	98.66
CE204	112+93.00	20.75'RT	394,170.39	2,561,761.72	98.50
CE205	112+93.00	23.33'RT	394,170.43	2,561,764.30	98.43
CE206	112+93.00	24.05'RT	394,170.44	2,561,765.01	98.44
CE207	112+93.00	31.00'RT	394,170.55	2,561,771.97	98.60
CE208	112+93.00	38.00'RT	394,170.67	2,561,778.96	98.52
CE209	112+93.00	44.00'RT	394,170.76	2,561,784.96	98.61
CE210	112+86.82	62.41'RT	394,164.89	2,561,803.47	99.28
CE211	112+86.82	57.40'RT	394,164.80	2,561,798.46	99.25
CE212	112+86.82	50.00'RT	394,164.68	2,561,791.06	98.82
CE213	112+87.00	44.00'RT	394,164.77	2,561,785.06	98.52
CE214	112+87.00	38.00'RT	394,164.67	2,561,779.06	98.43
CE215	112+87.00	31.00'RT	394,164.55	2,561,772.06	98.51
CE216	112+87.00	24.05'RT	394,164.44	2,561,765.11	98.40
CE217	112+86.20	21.59'RT	394,163.60	2,561,762.67	98.47
CE218	112+81.00	38.00'RT	394,158.67	2,561,779.16	98.34
CE219	112+81.00	44.00'RT	394,158.77	2,561,785.16	98.43
CE220	112+80.82	50.00'RT	394,158.68	2,561,791.16	98.73
CE221	112+80.82	57.40'RT	394,158.80	2,561,798.56	99.16
CE222	112+80.82	62.41'RT	394,158.89	2,561,803.56	99.19
CE223	112+74.48	44.00'RT	394,152.25	2,561,785.27	98.25
CE224	112+76.48	44.00'RT	394,154.25	2,561,785.23	98.17
CE225	112+76.48	38.00'RT	394,154.15	2,561,779.23	98.25
CE226	112+74.48	38.00'RT	394,152.15	2,561,779.27	98.33

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
CE100	112+36.77	22.59'RT	394,114.19	2,561,764.47	98.22
CE101	112+35.96	25.05'RT	394,113.43	2,561,766.94	98.15
CE102	112+35.96	28.85'RT	394,113.49	2,561,770.74	98.20
CE103	112+35.96	38.00'RT	394,113.64	2,561,779.89	98.28
CE104	112+35.96	44.00'RT	394,113.73	2,561,785.89	98.37
CE105	112+35.96	50.50'RT	394,113.84	2,561,792.39	98.78
CE106	112+35.96	54.50'RT	394,113.90	2,561,796.39	99.03
CE107	112+36.00	58.50'RT	394,114.01	2,561,800.39	99.28
CE108	112+31.63	58.34'RT	394,109.64	2,561,800.30	99.44
CE109	112+31.60	54.54'RT	394,109.54	2,561,796.50	99.35
CE110	112+31.56	50.44'RT	394,109.44	2,561,792.40	99.11
CE111	112+31.49	44.00'RT	394,109.26	2,561,785.97	98.62
CE112	112+31.49	38.00'RT	394,109.17	2,561,779.97	98.53
CE113	112+25.49	38.00'RT	394,103.17	2,561,780.06	98.62
CE114	112+25.49	44.00'RT	394,103.26	2,561,786.06	98.71
CE115	112+43.84	27.08'RT	394,121.34	2,561,768.84	98.18
CE116	112+41.96	28.85'RT	394,119.49	2,561,770.65	98.11
CE117	112+48.46	37.87'RT	394,126.13	2,561,779.56	98.11
CE118	112+46.46	37.97'RT	394,124.14	2,561,779.69	98.03
CE119	112+41.96	38.00'RT	394,119.63	2,561,779.80	98.19
CE120	112+48.48	44.00'RT	394,126.25	2,561,785.69	98.09
CE121	112+46.48	44.00'RT	394,124.25	2,561,785.72	98.01
CE122	112+41.96	44.00'RT	394,119.73	2,561,785.79	98.28
CE123	112+41.96	50.50'RT	394,119.84	2,561,792.29	98.69
CE124	112+41.96	54.50'RT	394,119.90	2,561,796.29	98.94
CE125	112+41.96	58.50'RT	394,119.97	2,561,800.29	99.21

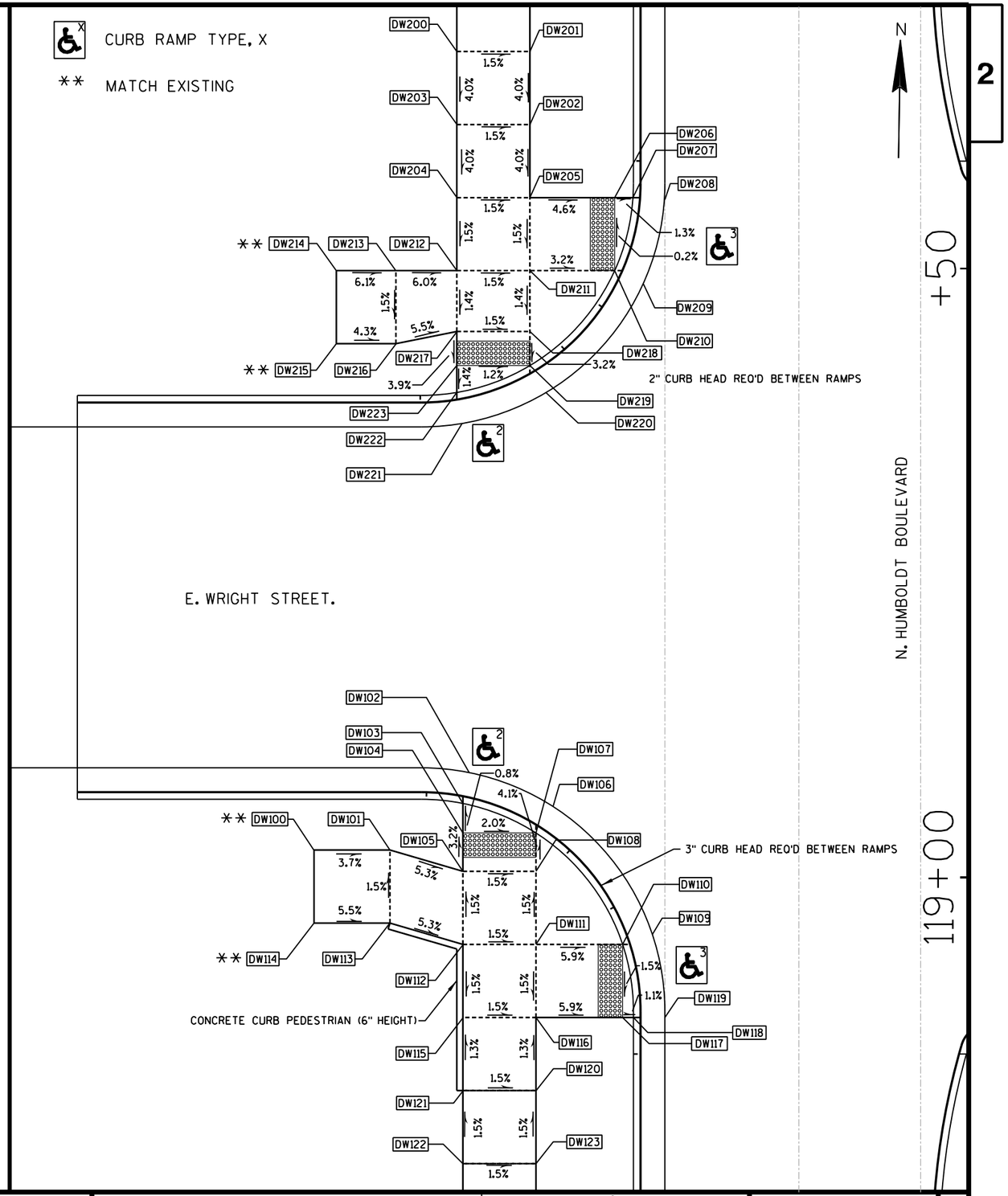


POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
DW200	119+67.83	43.84'LT	394,844.08	2,561,686.14	90.95
DW201	119+67.83	37.84'LT	394,844.17	2,561,692.14	90.86
DW202	119+61.83	37.84'LT	394,838.17	2,561,692.24	90.62
DW203	119+61.83	43.84'LT	394,838.08	2,561,686.24	90.71
DW204	119+55.83	43.84'LT	394,832.08	2,561,686.34	90.47
DW205	119+55.83	37.84'LT	394,832.17	2,561,692.34	90.38
DW206	119+55.83	30.88'LT	394,832.29	2,561,699.30	90.06
DW207	119+55.83	29.37'LT	394,832.31	2,561,700.80	90.04
DW208	119+55.65	26.75'LT	394,832.18	2,561,703.43	90.11
DW209	119+48.77	28.52'LT	394,825.26	2,561,701.77	90.14
DW210	119+49.83	30.88'LT	394,826.29	2,561,699.39	90.07
DW211	119+49.83	37.84'LT	394,826.18	2,561,692.44	90.29
DW212	119+49.83	43.84'LT	394,826.08	2,561,686.44	90.38
DW213	119+49.83	48.84'LT	394,826.00	2,561,681.44	90.68
DW214	119+49.83	53.73'LT	394,825.92	2,561,676.54	90.98
DW215	119+43.83	53.73'LT	394,819.92	2,561,676.64	90.80
DW216	119+43.83	48.84'LT	394,820.00	2,561,681.54	90.59
DW217	119+44.83	43.84'LT	394,821.08	2,561,686.52	90.31
DW218	119+44.83	37.84'LT	394,821.18	2,561,692.52	90.22
DW219	119+42.04	37.84'LT	394,818.38	2,561,692.56	90.13
DW220	119+39.82	36.51'LT	394,816.19	2,561,693.92	90.20
DW221	119+37.28	43.40'LT	394,813.54	2,561,687.07	90.24
DW222	119+39.83	43.84'LT	394,816.08	2,561,686.60	90.17
DW223	119+42.04	43.84'LT	394,818.29	2,561,686.56	90.20

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
DW100	119+02.25	55.56'LT	394,778.31	2,561,675.49	90.73
DW101	119+02.25	49.33'LT	394,778.41	2,561,681.72	90.50
DW102	119+08.61	42.83'LT	394,784.88	2,561,688.12	90.12
DW103	119+06.08	43.33'LT	394,782.34	2,561,687.65	90.05
DW104	119+03.65	43.33'LT	394,779.91	2,561,687.69	90.07
DW105	119+00.50	43.33'LT	394,776.76	2,561,687.74	90.17
DW106	119+05.83	35.94'LT	394,782.21	2,561,695.05	90.02
DW107	119+03.65	37.33'LT	394,780.01	2,561,693.69	89.95
DW108	119+00.50	37.33'LT	394,776.86	2,561,693.74	90.08
DW109	118+95.32	27.77'LT	394,771.83	2,561,703.39	89.82
DW110	118+94.50	30.22'LT	394,770.98	2,561,700.95	89.75
DW111	118+94.50	37.33'LT	394,770.86	2,561,693.84	90.17
DW112	118+94.50	43.33'LT	394,770.76	2,561,687.84	90.26
DW113	118+96.25	49.33'LT	394,772.42	2,561,681.81	90.59
DW114	118+96.25	55.56'LT	394,772.31	2,561,675.59	90.93
DW115	118+88.50	43.33'LT	394,764.76	2,561,687.94	90.17
DW116	118+88.50	37.33'LT	394,764.86	2,561,693.94	90.08
DW117	118+88.50	30.22'LT	394,764.98	2,561,701.05	89.66
DW118	118+88.50	29.33'LT	394,764.99	2,561,701.94	89.65
DW119	118+88.50	26.75'LT	394,765.03	2,561,704.52	89.72
DW120	118+82.50	37.33'LT	394,758.86	2,561,694.04	90.16
DW121	118+82.50	43.33'LT	394,758.76	2,561,688.04	90.25
DW122	118+76.50	43.33'LT	394,752.77	2,561,688.14	90.34
DW123	118+76.50	37.33'LT	394,752.86	2,561,694.13	90.25



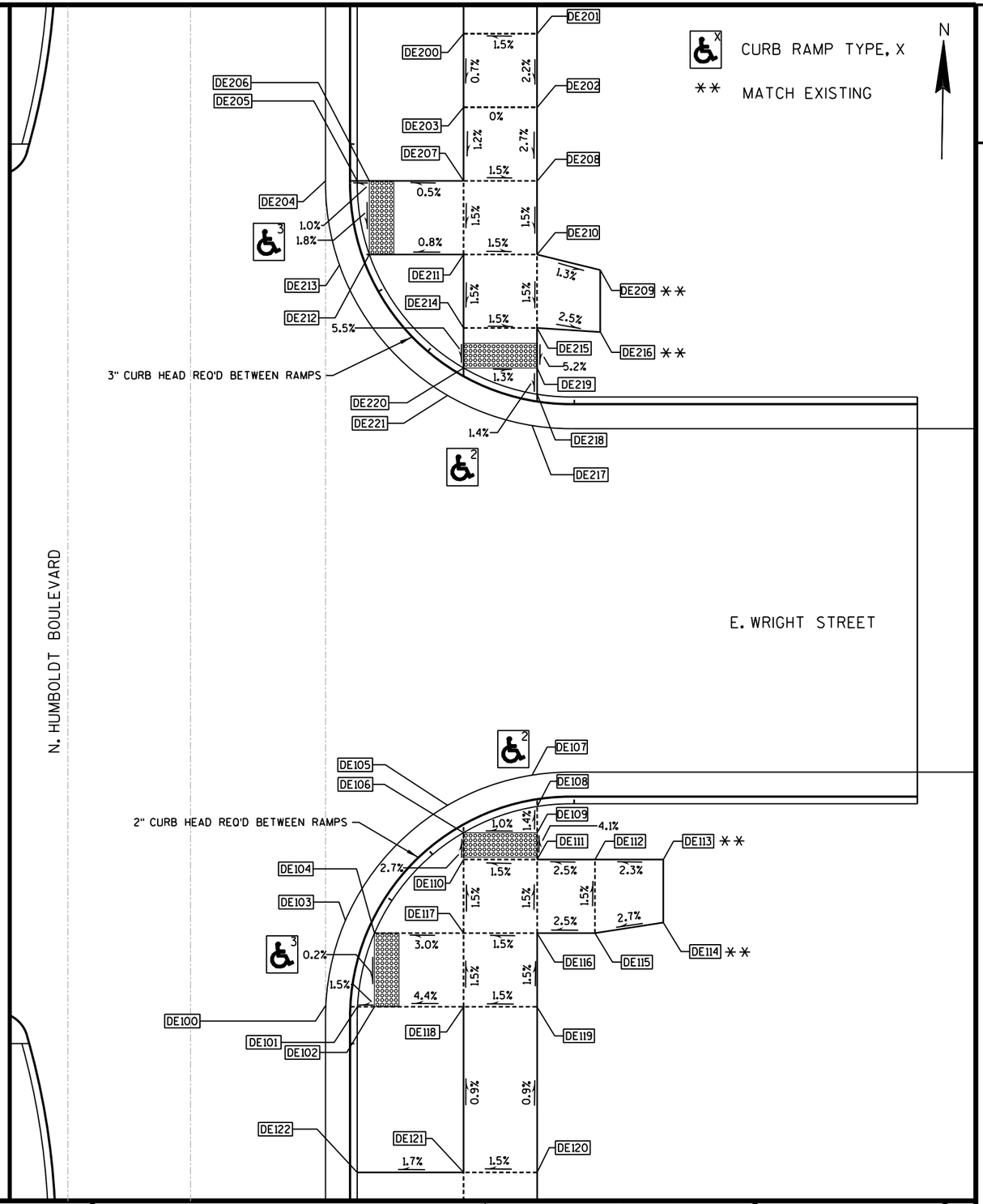
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 54	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
DE200	119+67.83	38.00'RT	394,845.41	2,561,767.97	90.08
DE201	119+67.83	44.00'RT	394,845.51	2,561,773.97	90.17
DE202	119+61.83	44.00'RT	394,839.51	2,561,774.07	90.04
DE203	119+61.83	38.00'RT	394,839.41	2,561,768.07	90.04
DE204	119+55.83	26.75'RT	394,833.23	2,561,756.92	89.99
DE205	119+55.83	29.33'RT	394,833.27	2,561,759.50	89.92
DE206	119+55.83	30.33'RT	394,833.29	2,561,760.49	89.93
DE207	119+55.83	38.00'RT	394,833.41	2,561,768.16	89.97
DE208	119+55.83	44.00'RT	394,833.51	2,561,774.16	89.88
DE209	119+48.56	49.15'RT	394,826.32	2,561,779.43	89.72
DE210	119+49.83	44.00'RT	394,827.51	2,561,774.26	89.79
DE211	119+49.83	38.00'RT	394,827.41	2,561,768.26	89.88
DE212	119+49.83	30.33'RT	394,827.29	2,561,760.59	89.82
DE213	119+48.97	27.89'RT	394,826.39	2,561,758.17	89.89
DE214	119+43.83	38.00'RT	394,821.41	2,561,768.36	89.79
DE215	119+43.83	44.00'RT	394,821.51	2,561,774.36	89.70
DE216	119+43.51	49.15'RT	394,821.27	2,561,779.51	89.57
DE217	119+35.88	43.59'RT	394,813.56	2,561,774.08	89.57
DE218	119+38.43	44.00'RT	394,816.11	2,561,774.45	89.50
DE219	119+40.57	44.00'RT	394,818.25	2,561,774.41	89.53
DE220	119+40.57	38.00'RT	394,818.15	2,561,768.41	89.61
DE221	119+38.34	36.70'RT	394,815.90	2,561,767.15	89.68

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
DE100	118+88.63	26.77'RT	394,766.03	2,561,758.04	89.61
DE101	118+88.50	29.35'RT	394,765.95	2,561,760.62	89.54
DE102	118+88.50	30.74'RT	394,765.97	2,561,762.01	89.56
DE103	118+95.52	28.37'RT	394,772.95	2,561,759.52	89.64
DE104	118+94.50	30.74'RT	394,771.97	2,561,761.91	89.57
DE105	119+04.93	36.70'RT	394,782.49	2,561,767.70	89.71
DE106	119+02.69	38.00'RT	394,780.28	2,561,769.03	89.64
DE107	119+07.38	43.59'RT	394,785.06	2,561,774.55	89.74
DE108	119+04.83	44.00'RT	394,782.52	2,561,774.99	89.67
DE109	119+02.69	44.00'RT	394,780.38	2,561,775.03	89.70
DE110	119+00.50	38.00'RT	394,778.09	2,561,769.07	89.70
DE111	119+00.50	44.00'RT	394,778.18	2,561,775.07	89.79
DE112	119+00.50	48.72'RT	394,778.26	2,561,779.78	89.91
DE113	119+00.50	54.29'RT	394,778.35	2,561,785.35	90.04
DE114	118+95.37	54.29'RT	394,773.22	2,561,785.44	90.15
DE115	118+94.50	48.72'RT	394,772.26	2,561,779.88	90.00
DE116	118+94.50	44.00'RT	394,772.19	2,561,775.16	89.88
DE117	118+94.50	38.00'RT	394,772.09	2,561,769.16	89.79
DE118	118+88.50	38.00'RT	394,766.09	2,561,769.26	89.88
DE119	118+88.50	44.01'RT	394,766.19	2,561,775.27	89.97
DE120	118+75.00	44.00'RT	394,752.69	2,561,775.48	90.09
DE121	118+75.00	38.00'RT	394,752.59	2,561,769.48	90.00
DE122	118+75.00	29.33'RT	394,752.45	2,561,760.82	89.85



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 55	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
EW200	126+23.40	43.50'LT	395,499.56	2,561,675.80	94.23
EW201	126+23.40	37.50'LT	395,499.66	2,561,681.80	94.14
EW202	126+17.40	37.50'LT	395,493.66	2,561,681.90	93.81
EW203	126+17.40	43.50'LT	395,493.56	2,561,675.90	93.90
EW204	126+11.40	61.13'LT	395,487.28	2,561,658.37	94.34
EW205	126+11.40	55.50'LT	395,487.37	2,561,664.00	94.09
EW206	126+11.40	49.50'LT	395,487.47	2,561,670.00	93.83
EW207	126+11.40	43.50'LT	395,487.56	2,561,675.99	93.57
EW208	126+11.40	37.50'LT	395,487.66	2,561,681.99	93.66
EW209	126+11.40	27.84'LT	395,487.82	2,561,691.65	93.47
EW210	126+11.40	24.05'LT	395,487.88	2,561,695.45	93.42
EW211	126+11.21	23.49'LT	395,487.70	2,561,696.00	93.41
EW212	126+04.97	27.45'LT	395,481.39	2,561,692.14	93.37
EW213	126+05.40	27.84'LT	395,481.82	2,561,691.75	93.38
EW214	126+05.40	37.50'LT	395,481.66	2,561,682.09	93.57
EW215	126+05.40	43.50'LT	395,481.57	2,561,676.09	93.48
EW216	126+05.40	49.50'LT	395,481.47	2,561,670.09	93.74
EW217	126+05.40	55.50'LT	395,481.37	2,561,664.09	94.00
EW218	126+06.66	61.13'LT	395,482.54	2,561,658.44	94.26
EW219	126+00.88	43.50'LT	395,477.04	2,561,676.17	93.27
EW220	126+00.88	37.50'LT	395,477.14	2,561,682.17	93.30
EW221	125+98.88	37.46'LT	395,475.14	2,561,682.24	93.38
EW222	125+98.88	43.50'LT	395,475.04	2,561,676.20	93.35
EW223	126+10.59	21.59'LT	395,487.11	2,561,697.91	93.49
EW224	126+03.53	26.06'LT	395,479.98	2,561,693.56	93.45

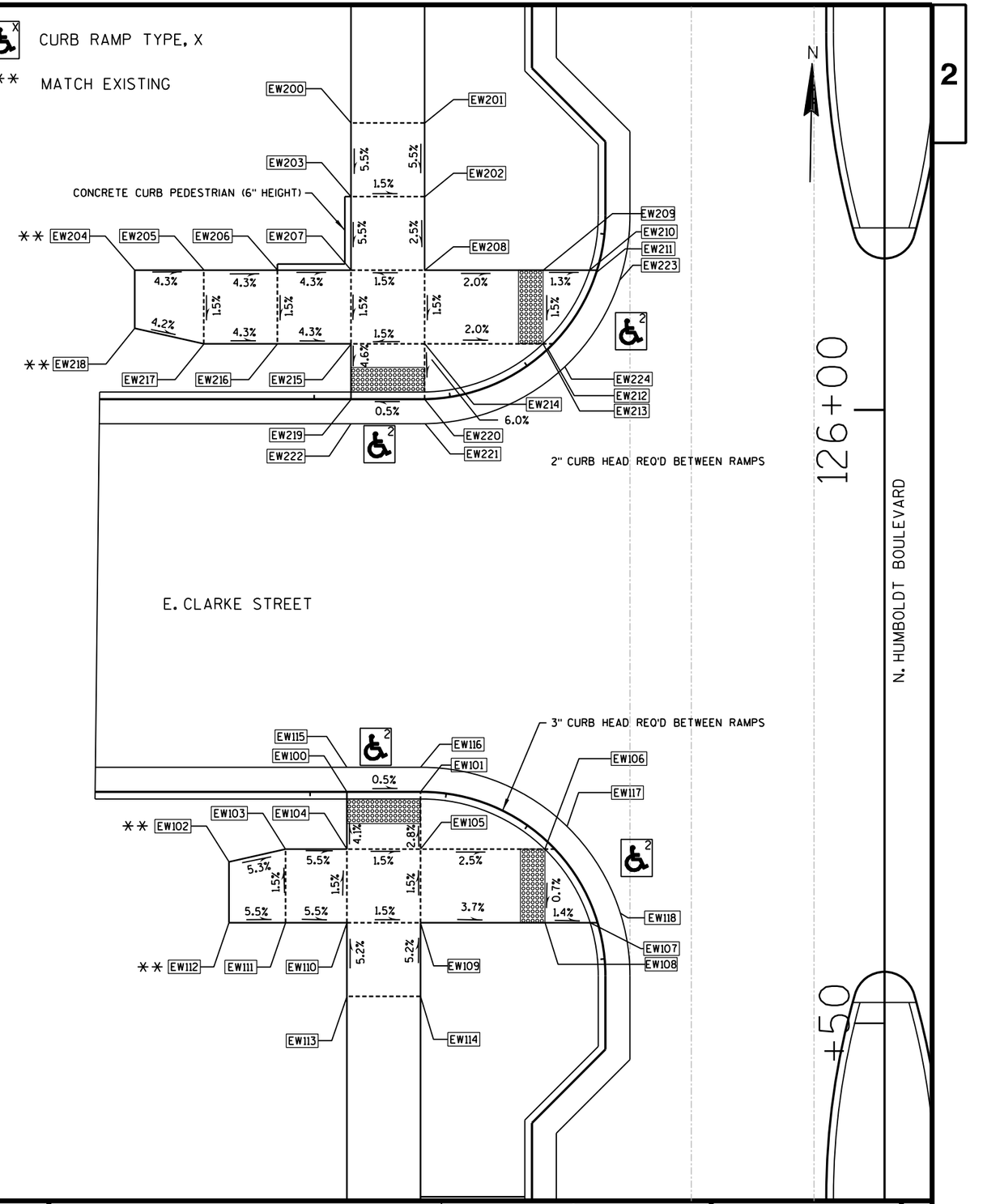
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
EW100	125+68.88	43.84'LT	395,445.04	2,561,676.35	92.92
EW101	125+68.87	37.84'LT	395,445.14	2,561,682.35	92.89
EW102	125+63.16	53.44'LT	395,439.17	2,561,666.84	93.64
EW103	125+64.20	48.84'LT	395,440.28	2,561,671.43	93.39
EW104	125+64.20	43.84'LT	395,440.37	2,561,676.43	93.11
EW105	125+64.20	37.84'LT	395,440.46	2,561,682.43	93.02
EW106	125+64.20	27.69'LT	395,440.63	2,561,692.57	92.77
EW107	125+58.20	24.00'LT	395,434.69	2,561,696.36	92.68
EW108	125+58.20	27.69'LT	395,434.63	2,561,692.67	92.73
EW109	125+58.20	37.84'LT	395,434.46	2,561,682.52	93.11
EW110	125+58.20	43.84'LT	395,434.37	2,561,676.53	93.20
EW111	125+58.20	48.84'LT	395,434.28	2,561,671.53	93.48
EW112	125+58.20	53.44'LT	395,434.21	2,561,666.92	93.73
EW113	125+52.20	43.84'LT	395,428.37	2,561,676.62	93.51
EW114	125+52.20	37.84'LT	395,428.46	2,561,682.62	93.42
EW115	125+70.88	43.83'LT	395,447.04	2,561,676.32	93.00
EW116	125+70.88	37.84'LT	395,447.14	2,561,682.32	92.97
EW117	125+66.05	25.88'LT	395,442.51	2,561,694.35	92.84
EW118	125+58.97	21.53'LT	395,435.50	2,561,698.81	92.75

CURB RAMP TYPE, X

** MATCH EXISTING



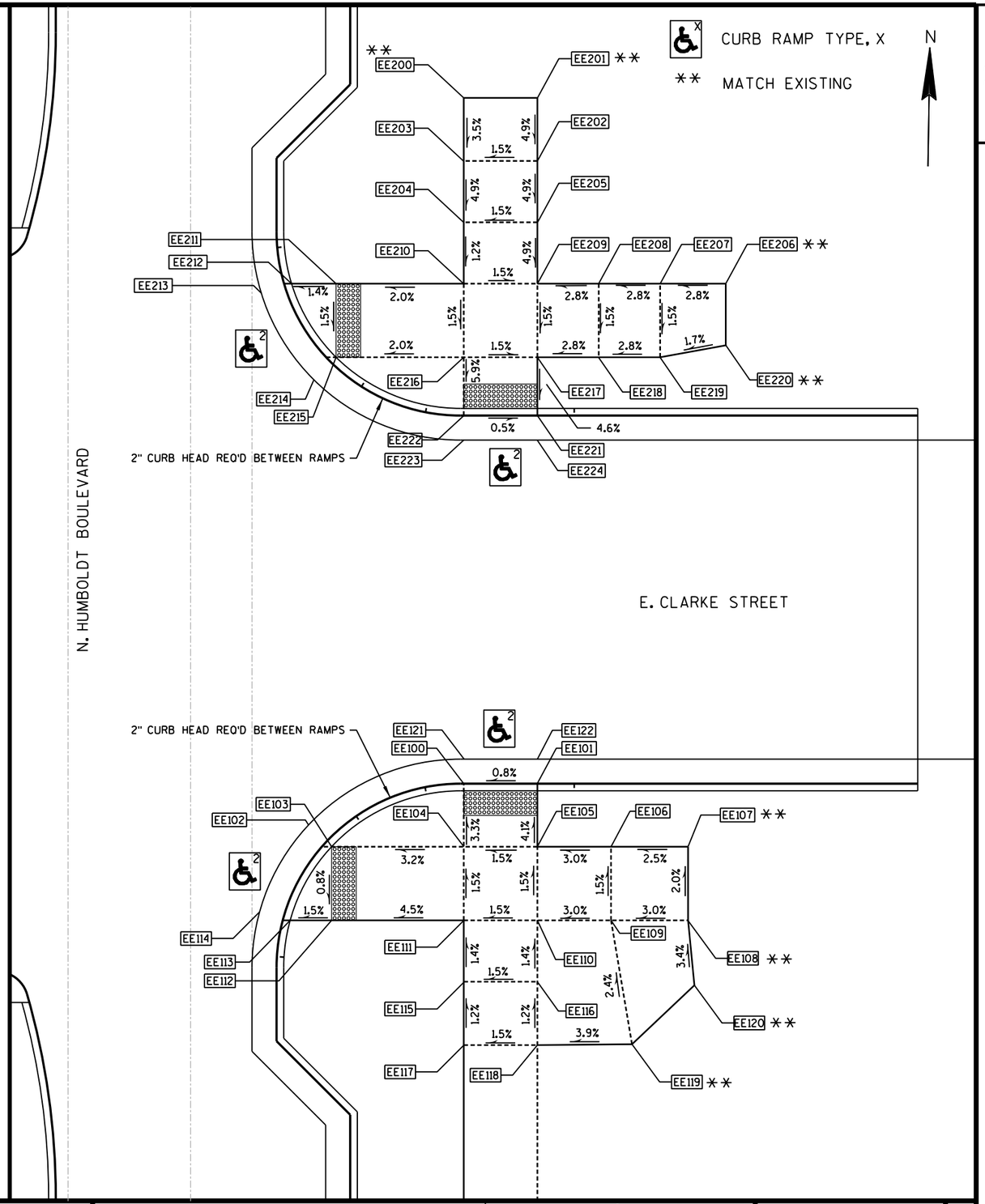
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 56	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
EE200	126+25.45	38.00'RT	395,502.94	2,561,757.25	93.92
EE201	126+25.45	44.00'RT	395,503.04	2,561,763.25	94.08
EE202	126+20.30	44.00'RT	395,497.89	2,561,763.34	93.83
EE203	126+20.30	38.00'RT	395,497.79	2,561,757.34	93.74
EE204	126+15.30	38.00'RT	395,492.79	2,561,757.42	93.49
EE205	126+15.30	44.00'RT	395,492.89	2,561,763.42	93.58
EE206	126+10.30	59.35'RT	395,488.14	2,561,778.85	93.77
EE207	126+10.30	54.00'RT	395,488.05	2,561,773.50	93.62
EE208	126+10.30	49.00'RT	395,487.97	2,561,768.50	93.48
EE209	126+10.30	44.00'RT	395,487.89	2,561,763.50	93.34
EE210	126+10.30	38.00'RT	395,487.79	2,561,757.50	93.43
EE211	126+10.30	27.60'RT	395,487.62	2,561,747.10	93.22
EE212	126+10.30	23.97'RT	395,487.56	2,561,743.47	93.17
EE213	126+09.54	21.50'RT	395,486.76	2,561,741.02	93.24
EE214	126+02.46	25.79'RT	395,479.75	2,561,745.42	93.20
EE215	126+04.30	27.60'RT	395,481.62	2,561,747.20	93.13
EE216	126+04.30	38.00'RT	395,481.79	2,561,757.60	93.34
EE217	126+04.30	44.00'RT	395,481.89	2,561,763.60	93.25
EE218	126+04.30	49.00'RT	395,481.97	2,561,768.60	93.39
EE219	126+04.30	54.00'RT	395,482.05	2,561,773.60	93.53
EE220	126+05.28	59.35'RT	395,483.12	2,561,778.93	93.62
EE221	125+99.54	44.00'RT	395,477.13	2,561,763.68	93.03
EE222	125+99.54	38.00'RT	395,477.03	2,561,757.68	93.06
EE223	125+97.54	38.00'RT	395,475.03	2,561,757.71	93.14
EE224	125+97.54	44.00'RT	395,475.13	2,561,763.71	93.11

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
EE100	125+69.54	38.00'RT	395,447.04	2,561,758.17	92.74
EE101	125+69.54	44.00'RT	395,447.14	2,561,764.16	92.79
EE102	125+66.17	25.35'RT	395,443.46	2,561,745.57	92.64
EE103	125+64.40	27.23'RT	395,441.72	2,561,747.48	92.57
EE104	125+64.40	38.00'RT	395,441.90	2,561,758.25	92.91
EE105	125+64.40	44.00'RT	395,442.00	2,561,764.25	93.00
EE106	125+64.40	50.00'RT	395,442.09	2,561,770.25	93.18
EE107	125+64.40	56.28'RT	395,442.20	2,561,776.53	93.34
EE108	125+58.40	56.28'RT	395,436.20	2,561,776.63	93.46
EE109	125+58.40	50.00'RT	395,436.09	2,561,770.35	93.27
EE110	125+58.40	44.00'RT	395,436.00	2,561,764.35	93.09
EE111	125+58.40	38.00'RT	395,435.90	2,561,758.35	93.00
EE112	125+58.40	27.23'RT	395,435.72	2,561,747.58	92.52
EE113	125+58.40	23.86'RT	395,435.67	2,561,744.21	92.47
EE114	125+59.09	21.37'RT	395,436.32	2,561,741.71	92.54
EE115	125+53.40	38.00'RT	395,430.90	2,561,758.43	93.07
EE116	125+53.40	44.00'RT	395,431.00	2,561,764.43	93.16
EE117	125+48.23	38.00'RT	395,425.73	2,561,758.51	93.13
EE118	125+48.23	44.00'RT	395,425.83	2,561,764.51	93.22
EE119	125+48.29	51.71'RT	395,426.01	2,561,772.22	93.52
EE120	125+53.10	56.80'RT	395,430.91	2,561,777.23	93.64
EE121	125+71.54	38.03'RT	395,449.04	2,561,758.17	92.82
EE122	125+71.54	44.00'RT	395,449.14	2,561,764.13	92.87

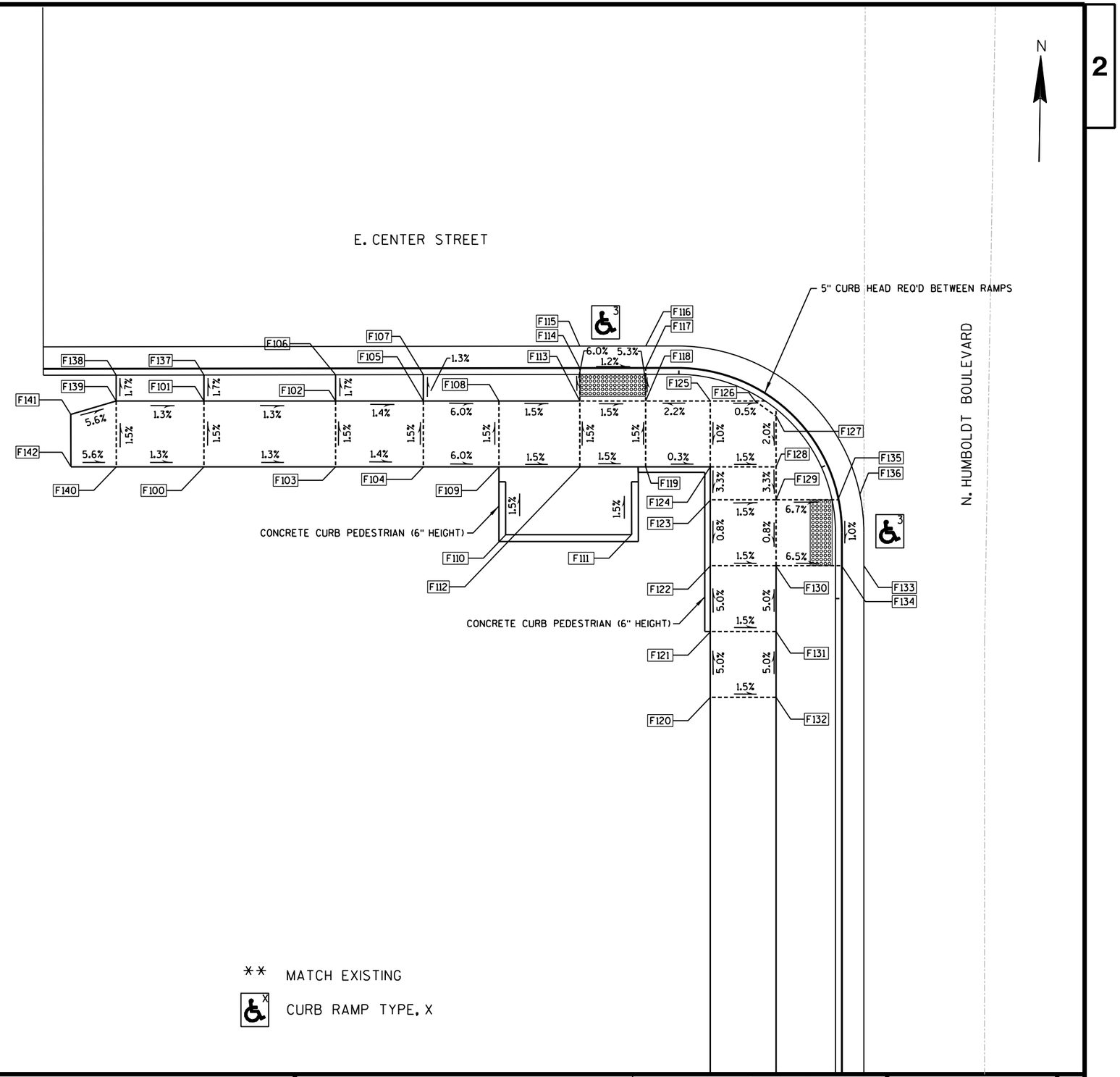


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 57	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
F100	132+13.70	89.67'LT	396,089.14	2,561,626.41	96.40
F101	132+19.70	89.67'LT	396,095.14	2,561,626.31	96.31
F102	132+19.70	77.67'LT	396,095.23	2,561,632.31	96.16
F103	132+13.70	77.67'LT	396,089.23	2,561,632.41	96.25
F104	132+13.70	69.67'LT	396,089.36	2,561,640.40	96.14
F105	132+19.70	69.67'LT	396,095.36	2,561,640.31	96.05
F106	132+22.09	77.67'LT	396,097.62	2,561,632.27	96.12
F107	132+22.10	69.67'LT	396,097.76	2,561,640.27	96.02
F108	132+19.70	62.78'LT	396,095.47	2,561,646.81	95.64
F109	132+13.70	62.78'LT	396,089.47	2,561,646.90	95.73
F110	132+07.52	62.16'LT	396,083.30	2,561,647.62	95.81
F111	132+07.52	50.68'LT	396,083.49	2,561,659.10	95.64
F112	132+13.70	55.40'LT	396,089.59	2,561,654.28	95.62
F113	132+19.70	55.40'LT	396,095.59	2,561,654.19	95.53
F114	132+22.70	55.40'LT	396,098.59	2,561,654.14	95.35
F115	132+24.70	55.40'LT	396,100.59	2,561,654.10	95.43
F116	132+24.71	49.40'LT	396,100.70	2,561,660.10	95.36
F117	132+22.71	49.40'LT	396,098.70	2,561,660.14	95.28
F118	132+19.70	49.40'LT	396,095.69	2,561,660.19	95.44
F119	132+13.70	49.40'LT	396,089.69	2,561,660.28	95.53
F120	131+92.70	43.50'LT	396,068.79	2,561,666.52	95.96
F121	131+98.70	43.51'LT	396,074.79	2,561,666.42	95.66
F122	132+04.70	43.50'LT	396,080.79	2,561,666.33	95.36
F123	132+10.70	43.50'LT	396,086.78	2,561,666.23	95.41
F124	132+13.70	43.50'LT	396,089.78	2,561,666.18	95.51
F125	132+19.70	43.50'LT	396,095.78	2,561,666.08	95.57
F126	132+19.70	39.43'LT	396,095.85	2,561,670.16	95.55
F127	132+18.33	37.50'LT	396,094.51	2,561,672.11	95.51
F128	132+13.70	37.50'LT	396,089.88	2,561,672.18	95.42
F129	132+10.70	37.50'LT	396,086.88	2,561,672.23	95.32
F130	132+04.70	37.50'LT	396,080.88	2,561,672.33	95.27
F131	131+98.70	37.50'LT	396,074.88	2,561,672.43	95.57
F132	131+92.70	37.50'LT	396,068.88	2,561,672.52	95.87
F133	132+04.70	29.50'LT	396,081.01	2,561,680.33	94.96
F134	132+04.70	31.50'LT	396,080.98	2,561,678.33	94.88
F135	132+10.82	31.83'LT	396,087.10	2,561,677.90	94.94
F136	132+11.23	29.87'LT	396,087.54	2,561,679.85	95.02
F137	132+22.07	89.67'LT	396,097.40	2,561,619.88	96.27
F138	132+22.06	97.67'LT	396,097.26	2,561,611.88	96.37
F139	132+19.70	97.67'LT	396,094.90	2,561,611.92	96.41
F140	132+13.70	97.67'LT	396,088.90	2,561,612.02	96.50
F141	132+18.48	101.81'LT	396,093.61	2,561,607.80	96.65
F142	132+13.72	101.81'LT	396,088.85	2,561,607.88	96.73

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.



** MATCH EXISTING

X CURB RAMP TYPE, X

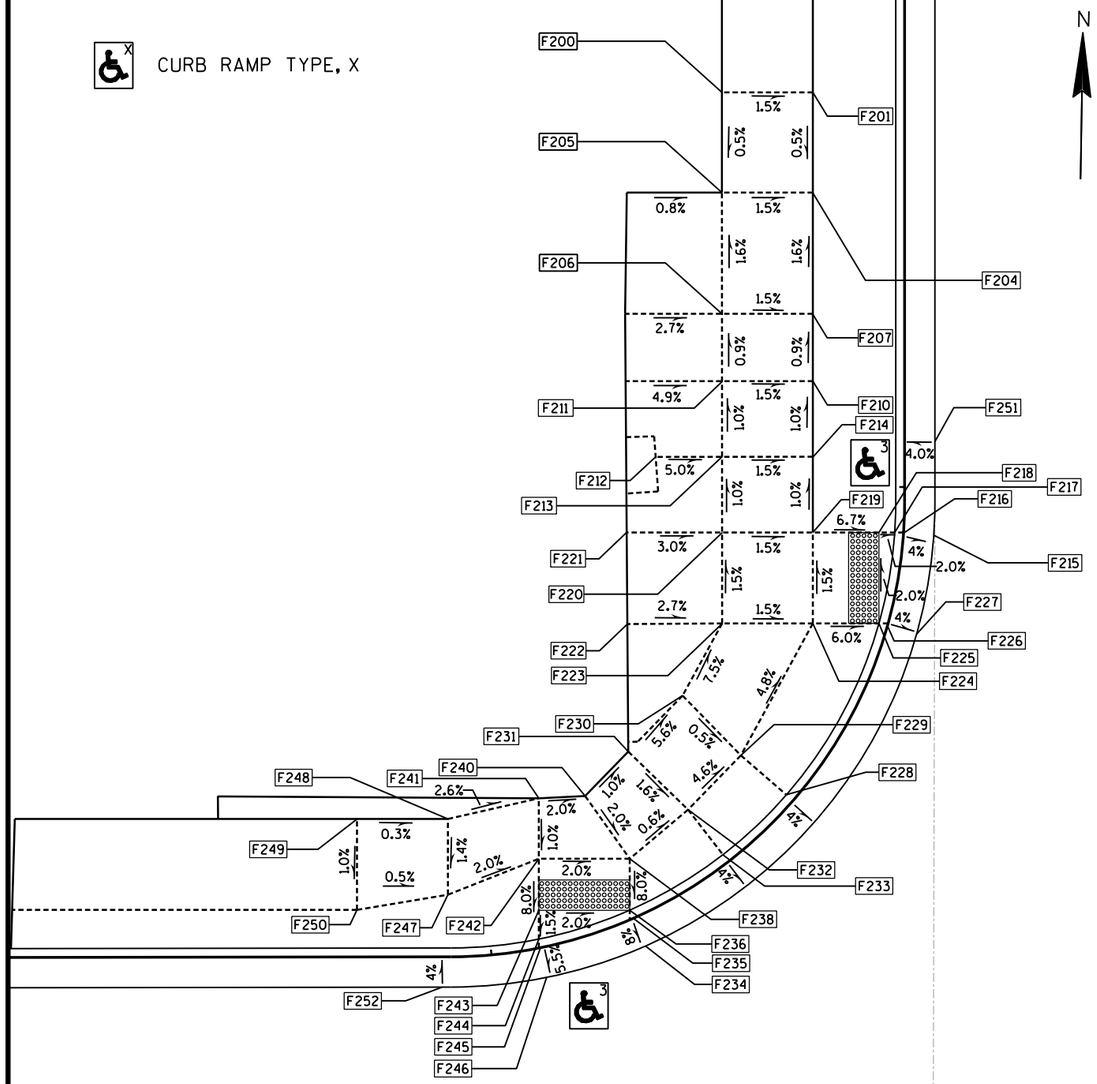
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 58	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
F200	133+27.76	43.30'LT	396,203.83	2,561,664.52	94.50
F201	133+27.76	37.30'LT	396,203.93	2,561,670.52	94.41
F204	133+21.14	37.30'LT	396,197.31	2,561,670.62	94.38
F205	133+21.14	43.30'LT	396,197.21	2,561,664.63	94.47
F206	133+13.14	43.30'LT	396,189.21	2,561,664.76	94.60
F207	133+13.14	37.30'LT	396,189.31	2,561,670.76	94.51
F210	133+08.70	37.30'LT	396,184.87	2,561,670.83	94.55
F211	133+08.70	43.30'LT	396,184.77	2,561,664.83	94.64
F212	133+03.70	47.68'LT	396,179.70	2,561,660.53	94.91
F213	133+03.70	43.30'LT	396,179.77	2,561,664.91	94.69
F214	133+03.70	37.30'LT	396,179.87	2,561,670.91	94.60
F215	132+98.52	29.32'LT	396,174.83	2,561,678.97	94.25
F216	132+98.66	31.32'LT	396,174.93	2,561,676.97	94.33
F217	132+98.70	31.90'LT	396,174.96	2,561,676.39	94.34
F218	132+98.70	32.94'LT	396,174.94	2,561,675.35	94.36
F219	132+98.70	37.30'LT	396,174.87	2,561,670.99	94.65
F220	132+98.70	43.30'LT	396,174.77	2,561,664.99	94.74
F221	132+98.70	49.60'LT	396,174.67	2,561,658.70	94.93
F222	132+92.66	49.56'LT	396,168.63	2,561,658.84	95.00
F223	132+92.70	43.30'LT	396,168.77	2,561,665.09	94.83
F224	132+92.70	37.30'LT	396,168.87	2,561,671.09	94.74
F225	132+92.70	32.94'LT	396,168.94	2,561,675.45	94.48
F226	132+92.54	32.38'LT	396,168.79	2,561,676.01	94.47
F227	132+92.00	30.46'LT	396,168.28	2,561,677.94	94.39
F228	132+81.39	39.06'LT	396,157.53	2,561,669.52	95.31
F229	132+84.00	42.06'LT	396,160.09	2,561,666.47	95.21
F230	132+87.94	45.91'LT	396,163.97	2,561,662.56	95.24
F231	132+84.26	49.50'LT	396,160.23	2,561,659.03	95.53
F232	132+80.41	45.54'LT	396,156.45	2,561,663.05	95.44
F233	132+77.44	43.24'LT	396,153.52	2,561,665.40	95.45
F234	132+71.41	48.36'LT	396,147.40	2,561,660.38	95.03
F235	132+73.24	49.17'LT	396,149.22	2,561,659.54	95.19
F236	132+73.77	49.40'LT	396,149.75	2,561,659.30	95.20
F238	132+77.17	49.40'LT	396,153.14	2,561,659.25	95.47
F240	132+81.32	52.34'LT	396,157.24	2,561,656.24	95.57
F241	132+81.17	55.40'LT	396,157.04	2,561,653.18	95.63
F242	132+77.17	55.40'LT	396,153.04	2,561,653.25	95.59
F243	132+73.78	55.40'LT	396,149.65	2,561,653.30	95.32
F244	132+71.87	55.40'LT	396,147.75	2,561,653.33	95.29
F245	132+71.30	55.28'LT	396,147.18	2,561,653.46	95.28
F246	132+69.34	54.89'LT	396,145.23	2,561,653.89	95.17
F247	132+74.80	61.40'LT	396,150.58	2,561,647.29	95.72
F248	132+79.80	61.40'LT	396,155.58	2,561,647.20	95.79
F249	132+79.80	67.40'LT	396,155.48	2,561,641.21	95.81
F250	132+73.80	67.40'LT	396,149.48	2,561,641.30	95.75
F251	133+04.70	29.25'LT	396,181.00	2,561,678.94	94.12
F252	132+68.69	61.77'LT	396,144.47	2,561,647.02	95.25

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

CURB RAMP TYPE, X



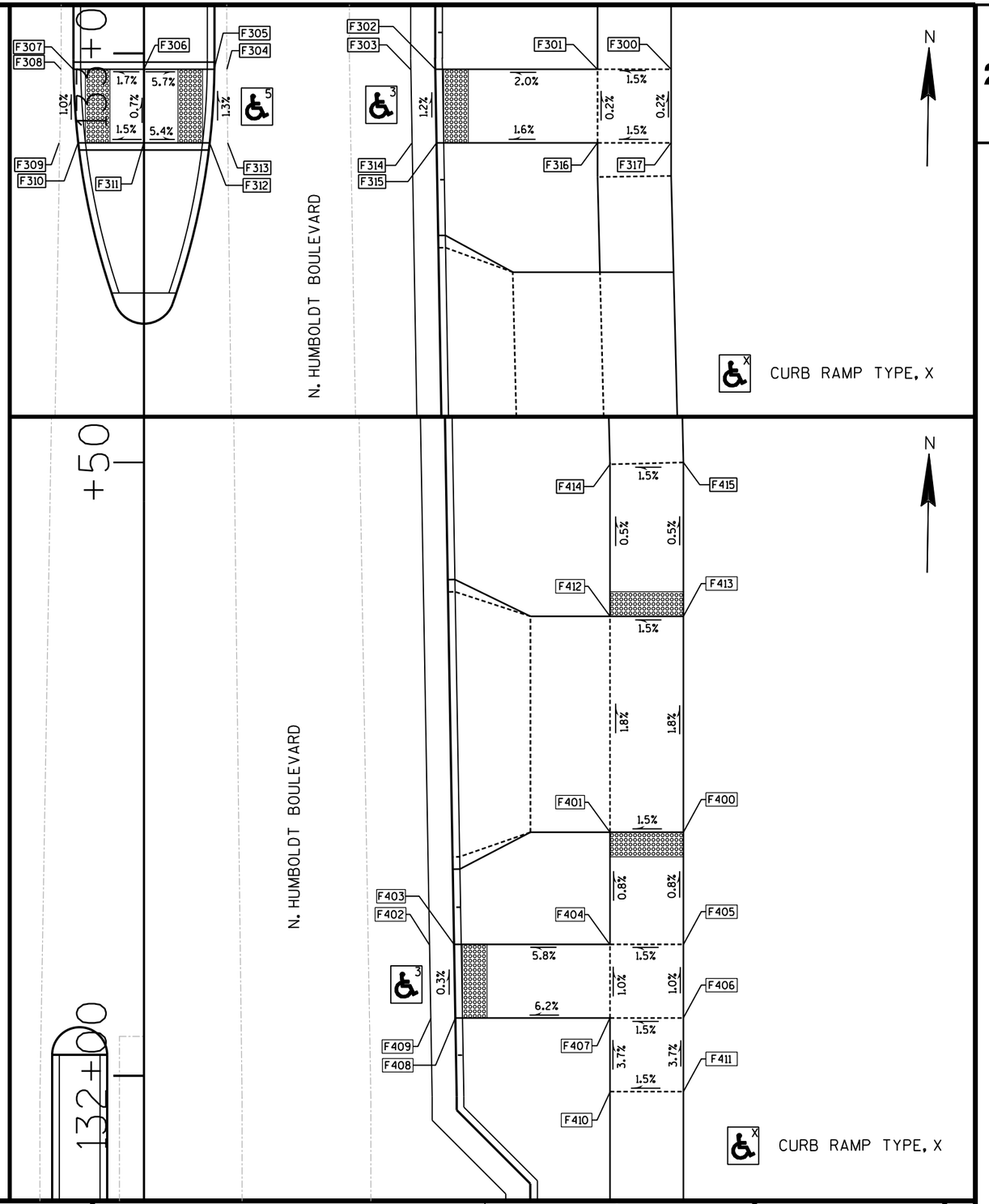
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 59	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
F300	132+98.70	43.00'LT	396,176.19	2,561,751.28	94.18
F301	132+98.70	37.00'LT	396,176.09	2,561,745.28	94.09
F302	132+98.70	23.77'RT	396,175.87	2,561,732.05	93.82
F303	132+98.67	21.77'RT	396,175.80	2,561,730.05	93.90
F304	132+98.70	6.76'RT	396,175.59	2,561,715.05	94.20
F305	132+98.70	5.74'RT	396,175.58	2,561,714.03	94.22
F306	132+98.70	0.00'RT	396,175.48	2,561,708.29	94.55
F307	132+98.70	5.74'LT	396,175.39	2,561,702.54	94.45
F308	132+98.70	6.77'LT	396,175.37	2,561,701.52	94.47
F309	132+92.70	6.90'LT	396,169.37	2,561,701.48	94.54
F310	132+92.70	5.36'LT	396,169.40	2,561,703.02	94.51
F311	132+92.70	0.00'RT	396,169.48	2,561,708.38	94.59
F312	132+92.70	5.36'RT	396,169.57	2,561,713.75	94.30
F313	132+92.70	6.83'RT	396,169.59	2,561,715.22	94.27
F314	132+92.67	21.87'RT	396,169.81	2,561,730.25	93.97
F315	132+92.70	23.87'RT	396,169.87	2,561,732.25	93.89
F316	132+92.70	37.00'RT	396,170.09	2,561,745.38	94.10
F317	132+92.70	43.00'RT	396,170.19	2,561,751.38	94.19

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
F400	132+19.85	44.00'RT	396,097.36	2,561,753.57	95.47
F401	132+19.85	38.00'RT	396,097.26	2,561,747.57	95.38
F402	132+10.67	23.28'RT	396,087.84	2,561,733.01	94.65
F403	132+10.70	25.28'RT	396,087.91	2,561,735.01	94.57
F404	132+10.70	38.00'RT	396,088.11	2,561,747.72	95.31
F405	132+10.70	44.00'RT	396,088.21	2,561,753.72	95.40
F406	132+04.70	44.00'RT	396,082.21	2,561,753.82	95.46
F407	132+04.70	38.00'RT	396,082.11	2,561,747.82	95.37
F408	132+04.70	25.39'RT	396,081.91	2,561,735.21	94.59
F409	132+04.67	23.39'RT	396,081.84	2,561,733.21	94.67
F410	131+98.69	38.00'RT	396,076.11	2,561,747.92	95.59
F411	131+98.71	44.00'RT	396,076.22	2,561,753.91	95.68
F412	132+37.45	38.00'RT	396,114.86	2,561,747.28	95.07
F413	132+37.45	44.00'RT	396,114.86	2,561,747.28	95.16
F414	132+49.84	38.00'RT	396,127.25	2,561,747.08	95.01
F415	132+49.99	44.00'RT	396,127.50	2,561,753.08	95.10



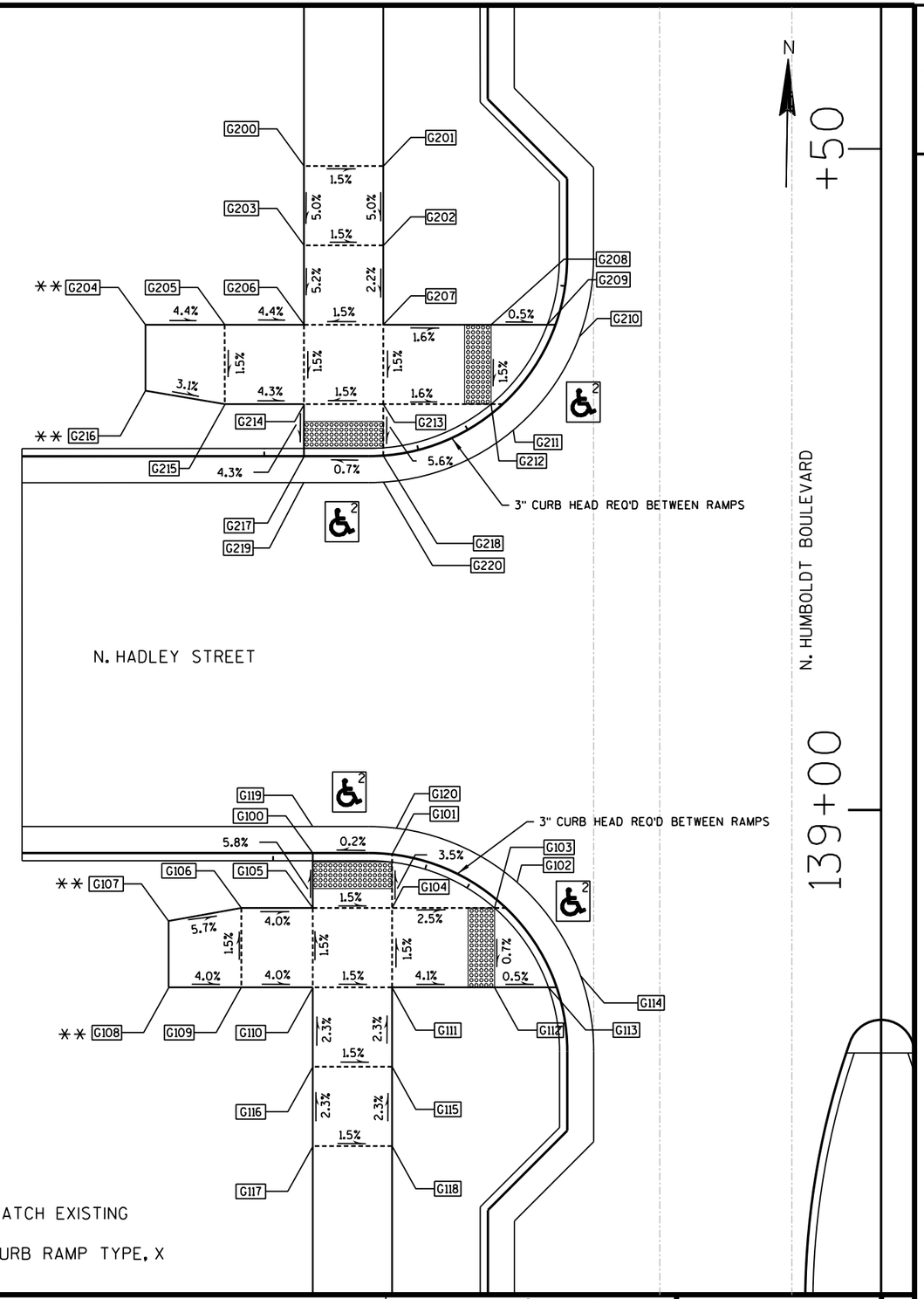
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 60	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
G200	139+48.70	43.66'LT	396,824.68	2,561,653.99	91.70
G201	139+48.70	37.66'LT	396,824.78	2,561,659.99	91.61
G202	139+42.70	37.66'LT	396,818.78	2,561,660.09	91.31
G203	139+42.70	43.66'LT	396,818.68	2,561,654.09	91.40
G204	139+36.70	55.66'LT	396,812.49	2,561,642.19	91.62
G205	139+36.70	49.66'LT	396,812.58	2,561,648.19	91.35
G206	139+36.70	43.66'LT	396,812.68	2,561,654.19	91.09
G207	139+36.70	37.66'LT	396,812.78	2,561,660.19	91.18
G208	139+36.70	29.50'LT	396,812.91	2,561,668.34	91.05
G209	139+36.70	25.25'LT	396,812.98	2,561,672.59	91.03
G210	139+36.75	22.51'LT	396,813.07	2,561,675.34	91.10
G211	139+29.53	26.94'LT	396,805.79	2,561,671.02	91.03
G212	139+30.70	29.50'LT	396,806.91	2,561,668.44	90.96
G213	139+30.70	37.66'LT	396,806.78	2,561,660.28	91.09
G214	139+30.70	43.66'LT	396,806.68	2,561,654.29	91.00
G215	139+30.70	49.66'LT	396,806.58	2,561,648.29	91.26
G216	139+31.71	55.66'LT	396,807.50	2,561,642.27	91.45
G217	139+26.76	43.66'LT	396,802.74	2,561,654.35	90.83
G218	139+26.80	37.66'LT	396,802.88	2,561,660.35	90.87
G219	139+24.76	43.68'LT	396,800.74	2,561,654.36	90.91
G220	139+24.80	37.65'LT	396,800.88	2,561,660.39	90.95

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
G100	138+96.76	43.00'LT	396,772.76	2,561,655.50	90.85
G101	138+96.66	37.00'LT	396,772.75	2,561,661.50	90.86
G102	138+94.54	27.54'LT	396,770.80	2,561,670.99	90.88
G103	138+92.60	29.24'LT	396,768.82	2,561,669.32	90.81
G104	138+92.60	37.00'LT	396,768.70	2,561,661.57	91.00
G105	138+92.60	43.00'LT	396,768.60	2,561,655.57	91.09
G106	138+92.60	48.41'LT	396,768.51	2,561,650.16	91.31
G107	138+91.63	53.91'LT	396,767.45	2,561,644.68	91.63
G108	138+86.60	53.91'LT	396,762.42	2,561,644.76	91.62
G109	138+86.60	48.41'LT	396,762.51	2,561,650.26	91.40
G110	138+86.60	43.00'LT	396,762.60	2,561,655.67	91.18
G111	138+86.60	37.00'LT	396,762.70	2,561,661.67	91.09
G112	138+86.60	29.25'LT	396,762.82	2,561,669.42	90.77
G113	138+86.60	25.17'LT	396,762.89	2,561,673.50	90.75
G114	138+87.47	22.74'LT	396,763.80	2,561,675.91	90.82
G115	138+80.60	37.00'LT	396,756.70	2,561,661.77	91.23
G116	138+80.60	43.00'LT	396,756.60	2,561,655.77	91.32
G117	138+74.60	43.00'LT	396,750.60	2,561,655.86	91.45
G118	138+74.60	37.00'LT	396,750.70	2,561,661.86	91.36
G119	138+98.76	43.00'LT	396,774.76	2,561,655.47	90.93
G120	138+98.63	36.68'LT	396,774.74	2,561,661.79	90.94



** MATCH EXISTING

CURB RAMP TYPE, X

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET	E

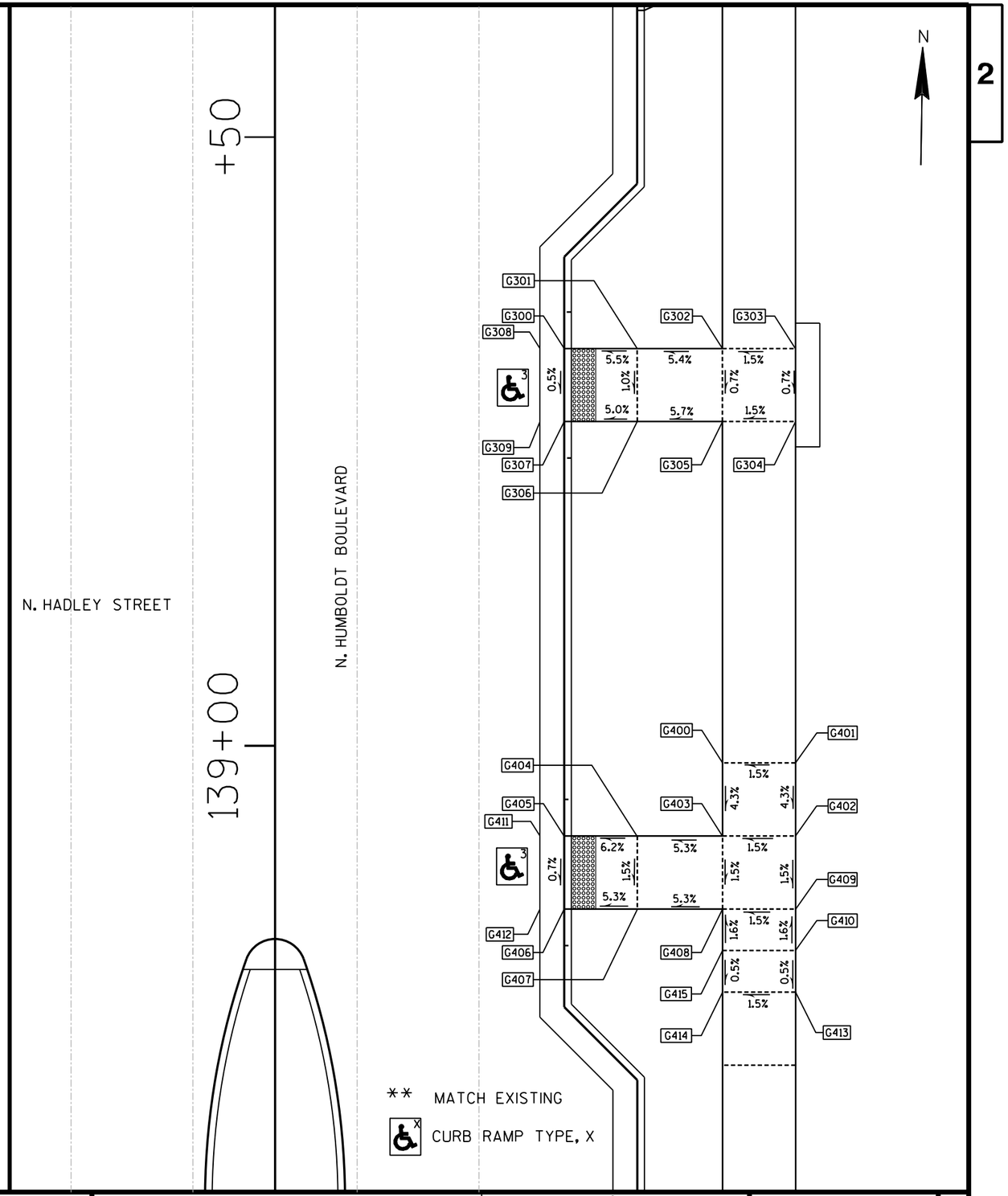
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
G300	139+32.63	23.75'RT	396,809.72	2,561,721.66	90.74
G301	139+32.63	29.75'RT	396,809.81	2,561,727.65	91.07
G302	139+32.63	36.75'RT	396,809.93	2,561,734.65	91.45
G303	139+32.63	42.75'RT	396,810.03	2,561,740.65	91.54
G304	139+26.63	42.75'RT	396,804.03	2,561,740.75	91.50
G305	139+26.63	36.75'RT	396,803.93	2,561,734.75	91.41
G306	139+26.63	29.75'RT	396,803.81	2,561,727.75	91.01
G307	139+26.63	23.75'RT	396,803.72	2,561,721.75	90.71
G308	139+32.64	21.75'RT	396,809.69	2,561,719.66	90.82
G309	139+26.61	21.75'RT	396,803.67	2,561,719.75	90.79

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
G400	138+98.60	36.75'RT	396,775.90	2,561,735.21	91.35
G401	138+98.60	42.75'RT	396,776.00	2,561,741.21	91.44
G402	138+92.60	42.75'RT	396,770.00	2,561,741.31	91.34
G403	138+92.60	36.75'RT	396,769.90	2,561,735.31	91.25
G404	138+92.60	29.75'RT	396,769.79	2,561,728.31	90.88
G405	138+92.60	23.75'RT	396,769.69	2,561,722.31	90.51
G406	138+86.60	23.75'RT	396,763.69	2,561,722.41	90.47
G407	138+86.60	29.75'RT	396,763.79	2,561,728.41	90.79
G408	138+86.60	36.75'RT	396,763.90	2,561,735.41	91.16
G409	138+86.60	42.75'RT	396,764.00	2,561,741.41	91.25
G410	138+83.47	42.75'RT	396,760.87	2,561,741.46	91.30
G411	138+92.62	21.75'RT	396,769.67	2,561,720.31	90.59
G412	138+86.58	21.75'RT	396,763.64	2,561,720.41	90.55
G413	138+79.77	42.75'RT	396,757.17	2,561,741.52	91.28
G414	138+79.77	36.75'RT	396,757.08	2,561,735.52	91.19
G415	138+83.19	36.75'RT	396,760.22	2,561,735.24	91.21



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET	SHEET	E

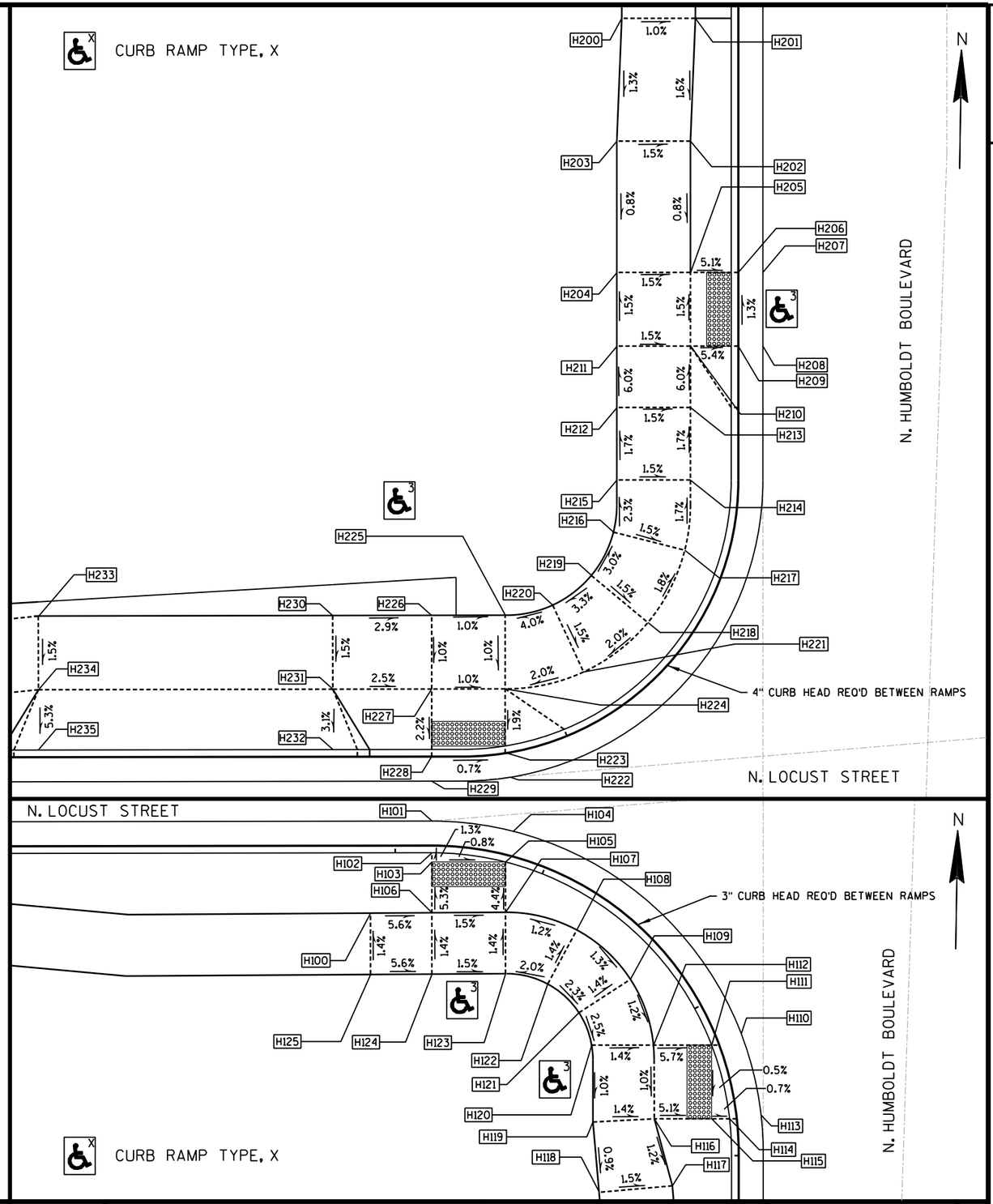
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
H200	146+50.00	43.00'LT	397,525.90	2,561,643.17	87.77
H201	146+50.00	37.00'LT	397,525.99	2,561,649.17	87.71
H202	146+40.00	37.40'LT	397,515.99	2,561,648.93	87.55
H203	146+40.00	43.40'LT	397,515.89	2,561,642.93	87.64
H204	146+29.30	43.40'LT	397,505.19	2,561,643.11	87.55
H205	146+29.30	37.40'LT	397,505.29	2,561,649.11	87.46
H206	146+29.30	33.50'LT	397,505.35	2,561,653.01	87.26
H207	146+29.30	31.50'LT	397,505.39	2,561,655.01	87.34
H208	146+23.30	31.50'LT	397,499.39	2,561,655.11	87.42
H209	146+23.30	33.50'LT	397,499.36	2,561,653.11	87.34
H210	146+23.30	37.40'LT	397,499.29	2,561,649.21	87.55
H211	146+23.30	43.40'LT	397,499.19	2,561,643.21	87.64
H212	146+18.30	43.40'LT	397,494.19	2,561,643.29	87.94
H213	146+18.30	37.40'LT	397,494.29	2,561,649.29	87.85
H214	146+12.41	37.40'LT	397,488.40	2,561,649.38	87.95
H215	146+12.39	43.38'LT	397,488.29	2,561,643.40	88.04
H216	146+08.15	43.68'LT	397,484.04	2,561,643.18	88.14
H217	146+06.67	37.86'LT	397,482.65	2,561,649.01	88.05
H218	146+00.78	40.87'LT	397,476.72	2,561,646.11	88.17
H219	146+04.62	45.48'LT	397,480.48	2,561,641.43	88.26
H220	146+02.20	48.63'LT	397,478.01	2,561,638.32	88.13
H221	145+96.75	46.12'LT	397,472.60	2,561,640.93	88.04
H222	145+88.17	52.09'LT	397,463.93	2,561,635.10	87.89
H223	145+90.15	52.41'LT	397,465.90	2,561,634.74	87.81
H224	145+95.37	52.50'LT	397,471.12	2,561,634.56	87.91
H225	146+01.37	52.50'LT	397,477.12	2,561,634.47	87.97
H226	146+01.36	58.50'LT	397,477.01	2,561,628.47	88.03
H227	145+95.36	58.50'LT	397,471.01	2,561,628.57	87.97
H228	145+89.86	58.50'LT	397,465.51	2,561,628.66	87.85
H229	145+87.86	58.50'LT	397,463.51	2,561,628.69	87.93
H230	146+01.35	66.56'LT	397,476.87	2,561,620.41	88.26
H231	145+95.35	66.55'LT	397,470.87	2,561,620.52	88.17
H232	145+90.43	66.55'LT	397,465.95	2,561,620.59	88.02
H233	146+01.31	90.56'LT	397,476.44	2,561,596.41	88.51
H234	145+95.31	90.55'LT	397,470.44	2,561,596.52	88.42
H235	145+90.40	90.54'LT	397,465.53	2,561,596.61	88.12

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
H100	145+48.36	63.50'LT	397,423.93	2,561,624.34	88.30
H101	145+55.86	58.50'LT	397,431.51	2,561,629.21	87.86
H102	145+53.27	58.50'LT	397,428.93	2,561,629.26	87.79
H103	145+52.53	58.50'LT	397,428.18	2,561,629.27	87.80
H104	145+55.03	51.87'LT	397,430.79	2,561,635.86	87.82
H105	145+52.53	52.50'LT	397,428.28	2,561,635.27	87.75
H106	145+48.39	58.50'LT	397,424.05	2,561,629.34	88.02
H107	145+48.43	52.50'LT	397,424.18	2,561,635.33	87.93
H108	145+46.99	46.69'LT	397,422.84	2,561,641.16	88.00
H109	145+42.97	42.32'LT	397,418.89	2,561,645.60	87.92
H110	145+38.52	33.29'LT	397,414.60	2,561,654.70	87.65
H111	145+37.60	35.70'LT	397,413.63	2,561,652.31	87.58
H112	145+37.60	40.44'LT	397,413.55	2,561,647.57	87.85
H113	145+31.89	31.67'LT	397,407.99	2,561,656.43	87.61
H114	145+31.60	34.24'LT	397,407.66	2,561,653.87	87.54
H115	145+31.60	35.70'LT	397,407.63	2,561,652.40	87.55
H116	145+31.60	40.38'LT	397,407.56	2,561,647.73	87.79
H117	145+26.14	38.91'LT	397,402.12	2,561,649.29	87.72
H118	145+25.62	44.87'LT	397,401.51	2,561,643.33	87.81
H119	145+31.34	45.38'LT	397,407.21	2,561,642.73	87.86
H120	145+37.60	45.48'LT	397,413.47	2,561,642.53	87.92
H121	145+40.24	46.51'LT	397,416.10	2,561,641.45	87.99
H122	145+42.59	49.06'LT	397,418.40	2,561,638.87	88.07
H123	145+43.42	52.50'LT	397,419.18	2,561,635.42	88.00
H124	145+43.39	58.50'LT	397,419.05	2,561,629.42	88.09
H125	145+43.36	63.50'LT	397,418.94	2,561,624.42	88.37



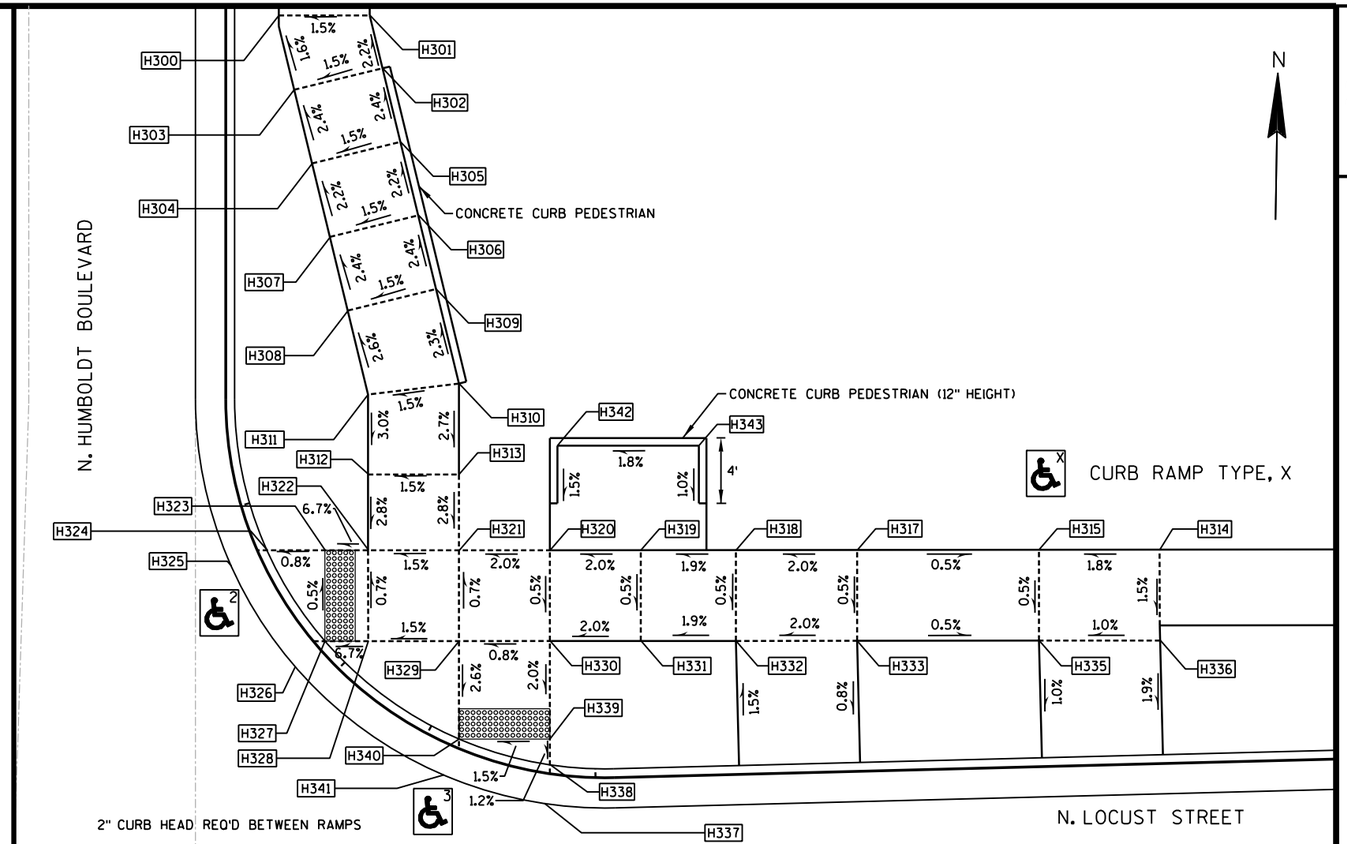
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 63 E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
H300	146+64.60	37.00'RT	397,541.80	2,561,722.92	87.22
H301	146+64.60	43.00'RT	397,541.90	2,561,728.92	87.31
H302	146+61.11	43.85'RT	397,538.43	2,561,729.82	87.39
H303	146+59.69	38.02'RT	397,536.92	2,561,724.02	87.30
H304	146+54.83	39.20'RT	397,532.08	2,561,725.28	87.42
H305	146+56.25	45.03'RT	397,533.59	2,561,731.08	87.51
H306	146+51.39	46.21'RT	397,528.75	2,561,732.34	87.62
H307	146+49.98	40.38'RT	397,527.24	2,561,726.54	87.53
H308	146+45.12	41.56'RT	397,522.40	2,561,727.79	87.65
H309	146+46.53	47.39'RT	397,523.91	2,561,733.60	87.74
H310	146+40.30	48.90'RT	397,517.70	2,561,735.22	87.89
H311	146+39.58	42.90'RT	397,516.89	2,561,729.23	87.80
H312	146+34.30	42.90'RT	397,511.61	2,561,729.32	87.64
H313	146+34.30	48.90'RT	397,511.70	2,561,735.31	87.73
H314	146+29.33	95.15'RT	397,507.50	2,561,781.64	88.19
H315	146+29.33	87.18'RT	397,507.36	2,561,773.67	88.05
H317	146+29.32	75.18'RT	397,507.15	2,561,761.67	88.11
H318	146+29.31	67.17'RT	397,507.01	2,561,753.67	87.95
H319	146+29.31	60.90'RT	397,506.91	2,561,747.39	87.83
H320	146+29.30	54.90'RT	397,506.80	2,561,741.40	87.71
H321	146+29.30	48.90'RT	397,506.70	2,561,735.40	87.59
H322	146+29.30	42.90'RT	397,506.61	2,561,729.40	87.50
H323	146+29.30	40.04'RT	397,506.56	2,561,726.54	87.31
H324	146+29.30	36.22'RT	397,506.50	2,561,722.72	87.28
H325	146+28.24	33.86'RT	397,505.40	2,561,720.38	87.35
H326	146+21.61	38.09'RT	397,498.84	2,561,724.71	87.42
H327	146+23.30	40.04'RT	397,500.56	2,561,726.64	87.35
H328	146+23.30	42.90'RT	397,500.61	2,561,729.50	87.54
H329	146+23.30	48.90'RT	397,500.70	2,561,735.49	87.63
H330	146+23.30	54.90'RT	397,500.80	2,561,741.49	87.68
H331	146+23.31	60.90'RT	397,500.91	2,561,747.49	87.80
H332	146+23.31	67.18'RT	397,501.01	2,561,753.77	87.92
H333	146+23.32	75.18'RT	397,501.15	2,561,761.77	88.08
H335	146+23.33	87.18'RT	397,501.36	2,561,773.77	88.02
H336	146+23.33	95.18'RT	397,501.50	2,561,781.77	88.10
H337	146+12.58	54.52'RT	397,490.08	2,561,741.29	87.60
H338	146+15.13	54.90'RT	397,492.64	2,561,741.63	87.53
H339	146+16.83	54.90'RT	397,494.34	2,561,741.60	87.55
H340	146+16.83	48.90'RT	397,494.24	2,561,735.60	87.46
H341	146+14.46	47.88'RT	397,491.85	2,561,734.62	87.53
H342	146+36.20	55.40'RT	397,513.71	2,561,741.78	87.81
H343	146+36.20	64.73'RT	397,513.87	2,561,751.11	87.98

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
H400	145+48.27	65.90'RT	397,425.96	2,561,753.72	87.70
H401	145+42.25	65.90'RT	397,419.94	2,561,753.82	87.81
H402	145+42.25	60.90'RT	397,419.86	2,561,748.82	87.75
H403	145+48.26	60.90'RT	397,425.87	2,561,748.72	87.69
H404	145+54.82	54.03'RT	397,432.31	2,561,741.74	87.55
H405	145+39.63	65.52'RT	397,417.32	2,561,753.48	87.92
H406	145+52.38	54.90'RT	397,429.90	2,561,742.65	87.48
H407	145+49.48	54.90'RT	397,427.00	2,561,742.70	87.50
H408	145+47.25	54.90'RT	397,424.76	2,561,742.74	87.63
H409	145+42.25	54.90'RT	397,419.76	2,561,742.82	87.68
H410	145+22.60	48.90'RT	397,400.02	2,561,737.14	87.67
H411	145+31.60	48.90'RT	397,409.02	2,561,737.00	87.51
H412	145+37.60	48.90'RT	397,415.02	2,561,736.90	87.57
H413	145+42.25	48.90'RT	397,419.67	2,561,736.82	87.62
H414	145+47.25	48.90'RT	397,424.67	2,561,736.74	87.57
H415	145+49.48	48.90'RT	397,426.90	2,561,736.70	87.44
H416	145+27.22	53.90'RT	397,404.72	2,561,742.07	87.90
H417	145+51.68	47.54'RT	397,429.07	2,561,735.30	87.51
H418	145+47.25	45.76'RT	397,424.61	2,561,733.60	87.63
H419	145+45.62	43.90'RT	397,422.96	2,561,731.77	87.63
H420	145+42.25	43.90'RT	397,419.58	2,561,731.82	87.57
H421	145+37.60	43.90'RT	397,414.93	2,561,731.90	87.52
H422	145+31.60	43.90'RT	397,408.94	2,561,732.00	87.46
H423	145+22.60	43.90'RT	397,399.94	2,561,732.14	87.60
H424	145+31.60	37.78'RT	397,408.84	2,561,725.88	87.31
H425	145+31.60	35.34'RT	397,408.80	2,561,723.44	87.29
H426	145+32.32	32.86'RT	397,409.48	2,561,720.94	87.36
H427	145+38.82	35.50'RT	397,416.01	2,561,723.48	87.40
H428	145+37.60	37.78'RT	397,414.83	2,561,725.78	87.33



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET E

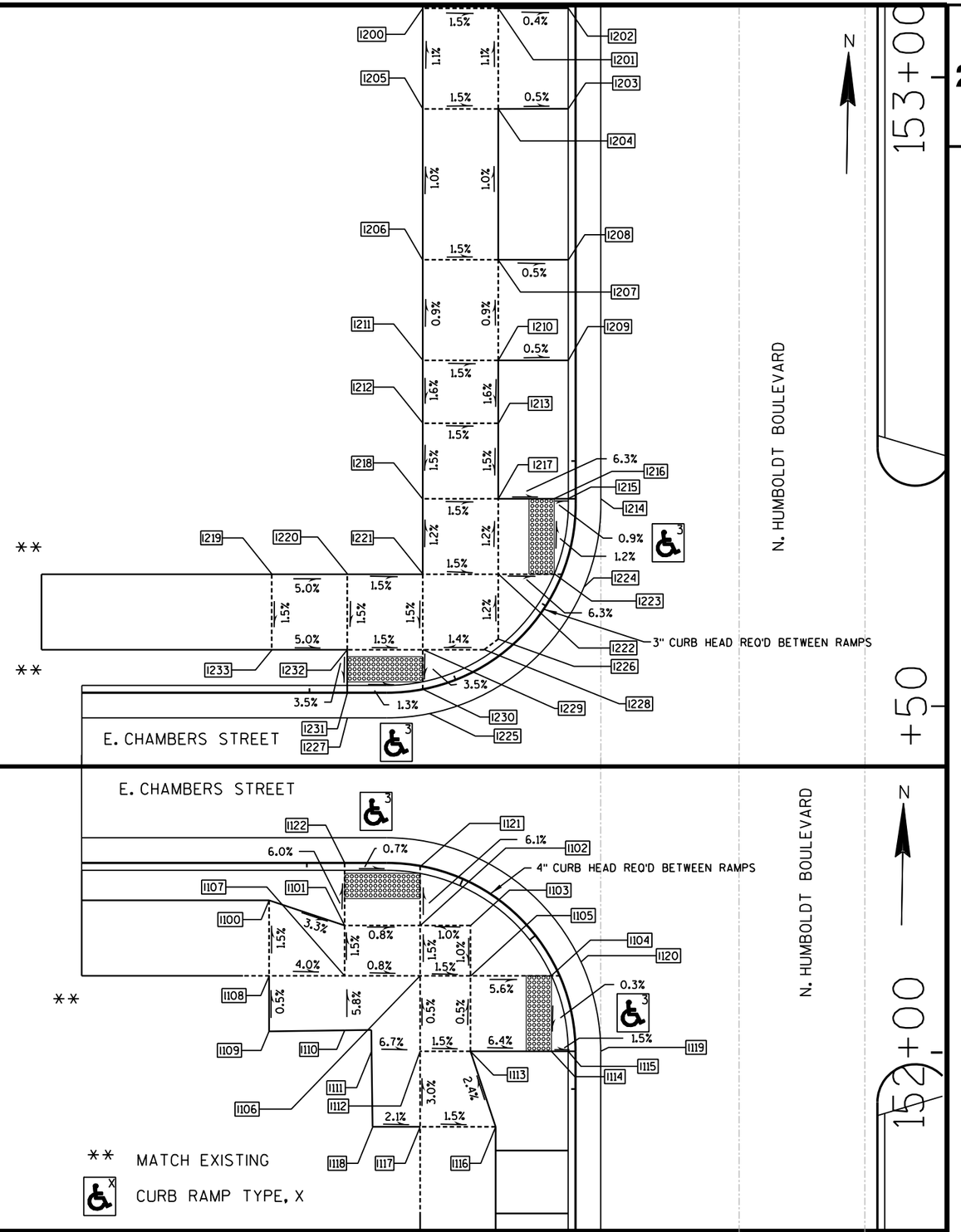
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
1200	153+05.50	42.90'LT	398,181.31	2,561,632.54	85.99
1201	153+05.50	36.90'LT	398,181.41	2,561,638.54	85.90
1202	153+05.50	31.33'LT	398,181.50	2,561,644.10	85.88
1203	152+97.50	31.33'LT	398,173.50	2,561,644.23	85.96
1204	152+97.50	36.90'LT	398,173.41	2,561,638.67	85.99
1205	152+97.50	42.90'LT	398,173.31	2,561,632.67	86.08
1206	152+85.50	42.90'LT	398,161.31	2,561,632.87	86.20
1207	152+85.50	36.90'LT	398,161.41	2,561,638.86	86.11
1208	152+85.50	31.33'LT	398,161.50	2,561,644.43	86.08
1209	152+77.50	31.33'LT	398,153.50	2,561,644.56	86.15
1210	152+77.50	36.90'LT	398,153.41	2,561,639.00	86.18
1211	152+77.50	42.90'LT	398,153.31	2,561,633.00	86.27
1212	152+72.50	42.90'LT	398,148.31	2,561,633.08	86.19
1213	152+72.50	36.90'LT	398,148.41	2,561,639.08	86.10
1214	152+66.50	28.75'LT	398,142.55	2,561,647.32	85.79
1215	152+66.50	31.33'LT	398,142.51	2,561,644.74	85.72
1216	152+66.50	32.45'LT	398,142.49	2,561,643.62	85.73
1217	152+66.50	36.90'LT	398,142.41	2,561,639.18	86.01
1218	152+66.50	42.90'LT	398,142.32	2,561,633.18	86.10
1219	152+60.50	54.90'LT	398,136.12	2,561,621.28	86.56
1220	152+60.50	48.90'LT	398,136.22	2,561,627.28	86.26
1221	152+60.50	42.90'LT	398,136.32	2,561,633.27	86.17
1222	152+60.50	36.90'LT	398,136.41	2,561,639.27	86.08
1223	152+60.50	32.45'LT	398,136.49	2,561,643.72	85.80
1224	152+59.50	30.07'LT	398,135.53	2,561,646.12	85.79
1225	152+49.41	42.39'LT	398,125.24	2,561,633.97	86.05
1226	152+55.34	36.90'LT	398,131.25	2,561,639.36	85.14
1227	152+49.08	48.90'LT	398,124.80	2,561,627.46	86.05
1228	152+54.50	38.03'LT	398,130.40	2,561,638.25	86.15
1229	152+54.50	42.90'LT	398,130.32	2,561,633.37	86.08
1230	152+51.35	42.90'LT	398,127.17	2,561,633.42	85.97
1231	152+51.08	48.90'LT	398,126.80	2,561,627.43	86.05
1232	152+54.50	48.90'LT	398,130.22	2,561,627.37	86.17
1233	152+54.50	54.90'LT	398,130.12	2,561,621.37	86.47

NOTES:

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3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
1100	152+12.10	55.10'LT	398,087.72	2,561,621.87	86.71
1101	152+10.10	49.10'LT	398,085.82	2,561,627.90	86.50
1102	152+10.10	43.10'LT	398,085.92	2,561,633.90	86.45
1103	152+10.10	39.10'LT	398,085.99	2,561,637.90	86.49
1104	152+06.12	32.66'LT	398,082.11	2,561,644.40	86.09
1105	152+06.10	39.10'LT	398,081.99	2,561,637.96	86.45
1106	152+06.10	43.10'LT	398,081.92	2,561,633.97	86.51
1107	152+06.10	49.10'LT	398,081.82	2,561,627.97	86.56
1108	152+06.10	55.10'LT	398,081.72	2,561,621.97	86.80
1109	152+01.69	55.10'LT	398,077.31	2,561,622.04	86.82
1110	152+01.77	49.10'LT	398,077.49	2,561,628.04	86.80
1111	152+00.10	46.96'LT	398,075.86	2,561,630.21	86.80
1112	152+00.10	43.10'LT	398,075.92	2,561,634.06	86.54
1113	152+00.10	39.10'LT	398,075.99	2,561,638.06	86.48
1114	152+00.10	32.66'LT	398,076.09	2,561,644.50	86.07
1115	152+00.10	31.33'LT	398,076.11	2,561,645.83	86.05
1116	151+94.10	37.10'LT	398,070.02	2,561,640.16	86.63
1117	151+94.10	43.10'LT	398,069.92	2,561,634.16	86.72
1118	151+94.10	46.88'LT	398,069.86	2,561,630.38	86.80
1119	152+00.10	28.75'LT	398,076.16	2,561,648.41	86.12
1120	152+07.20	30.32'LT	398,083.23	2,561,646.73	86.16
1121	152+14.83	43.05'LT	398,090.65	2,561,633.88	86.16
1122	152+15.08	49.10'LT	398,090.80	2,561,627.82	86.20



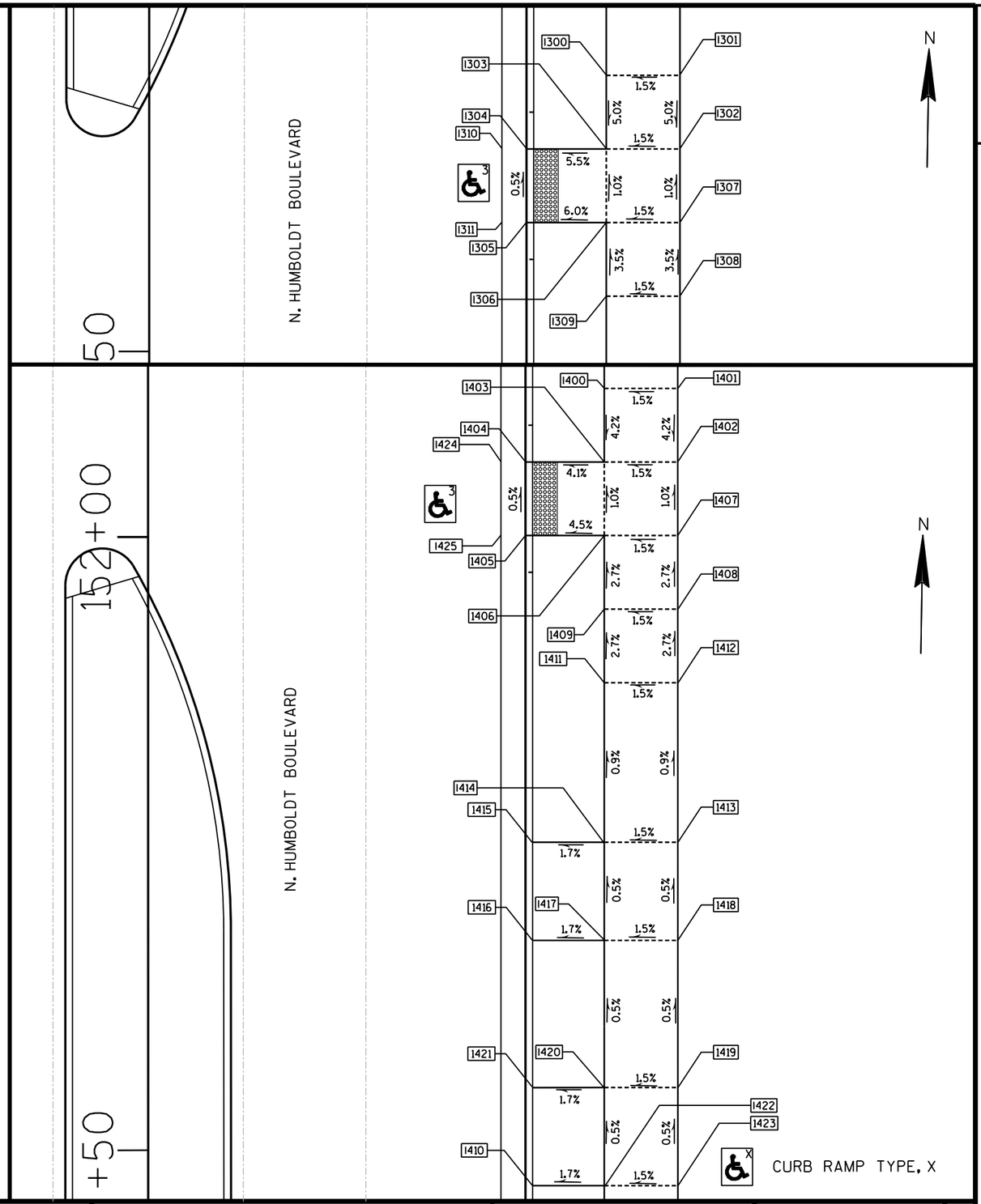
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 65	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
1300	152+72.50	37.25'RT	398,149.63	2,561,713.22	86.06
1301	152+72.50	43.25'RT	398,149.73	2,561,719.22	86.15
1302	152+66.50	43.25'RT	398,143.73	2,561,719.32	85.85
1303	152+66.50	37.25'RT	398,143.63	2,561,713.32	85.76
1304	152+66.50	30.75'RT	398,143.52	2,561,706.82	85.40
1305	152+60.50	30.75'RT	398,137.52	2,561,706.91	85.43
1306	152+60.50	37.25'RT	398,137.63	2,561,713.41	85.82
1307	152+60.50	43.25'RT	398,137.73	2,561,719.41	85.91
1308	152+54.50	43.25'RT	398,131.73	2,561,719.51	86.12
1309	152+54.50	37.25'RT	398,131.63	2,561,713.51	86.03
1310	152+66.51	28.75'RT	398,143.49	2,561,704.82	85.48
1311	152+60.51	28.75'RT	398,137.50	2,561,704.92	85.51

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
1400	152+12.11	37.17'RT	398,089.24	2,561,714.12	86.21
1401	152+12.11	43.17'RT	398,089.34	2,561,720.12	86.30
1402	152+06.11	43.17'RT	398,083.34	2,561,720.22	86.05
1403	152+06.11	37.17'RT	398,083.24	2,561,714.22	85.96
1404	152+06.11	30.75'RT	398,083.14	2,561,707.81	85.70
1405	152+00.11	30.75'RT	398,077.14	2,561,707.90	85.73
1406	152+00.11	37.17'RT	398,077.25	2,561,714.32	86.02
1407	152+00.11	43.17'RT	398,077.34	2,561,720.32	86.11
1408	151+94.11	43.17'RT	398,071.34	2,561,720.42	86.27
1409	151+94.11	37.17'RT	398,071.25	2,561,714.42	86.18
1410	151+47.11	31.33'RT	398,024.16	2,561,709.35	86.50
1411	151+88.11	37.17'RT	398,065.25	2,561,714.52	86.34
1412	151+88.11	43.17'RT	398,065.35	2,561,720.52	86.43
1413	151+75.11	43.17'RT	398,052.34	2,561,720.73	86.55
1414	151+75.11	37.17'RT	398,052.25	2,561,714.73	86.46
1415	151+75.11	31.33'RT	398,052.15	2,561,708.90	86.36
1416	151+67.11	31.33'RT	398,044.15	2,561,709.03	86.40
1417	151+67.11	37.17'RT	398,044.25	2,561,714.86	86.50
1418	151+67.12	43.17'RT	398,044.35	2,561,720.86	86.59
1419	151+55.12	43.17'RT	398,032.35	2,561,721.06	86.65
1420	151+55.11	37.17'RT	398,032.25	2,561,715.06	86.56
1421	151+55.11	31.33'RT	398,032.16	2,561,709.22	86.46
1422	151+47.11	37.17'RT	398,024.25	2,561,715.19	86.60
1423	151+47.11	43.17'RT	398,024.35	2,561,721.19	86.69
1424	152+06.12	28.75'RT	398,083.11	2,561,705.81	85.78
1425	152+00.11	28.75'RT	398,077.11	2,561,705.90	85.84

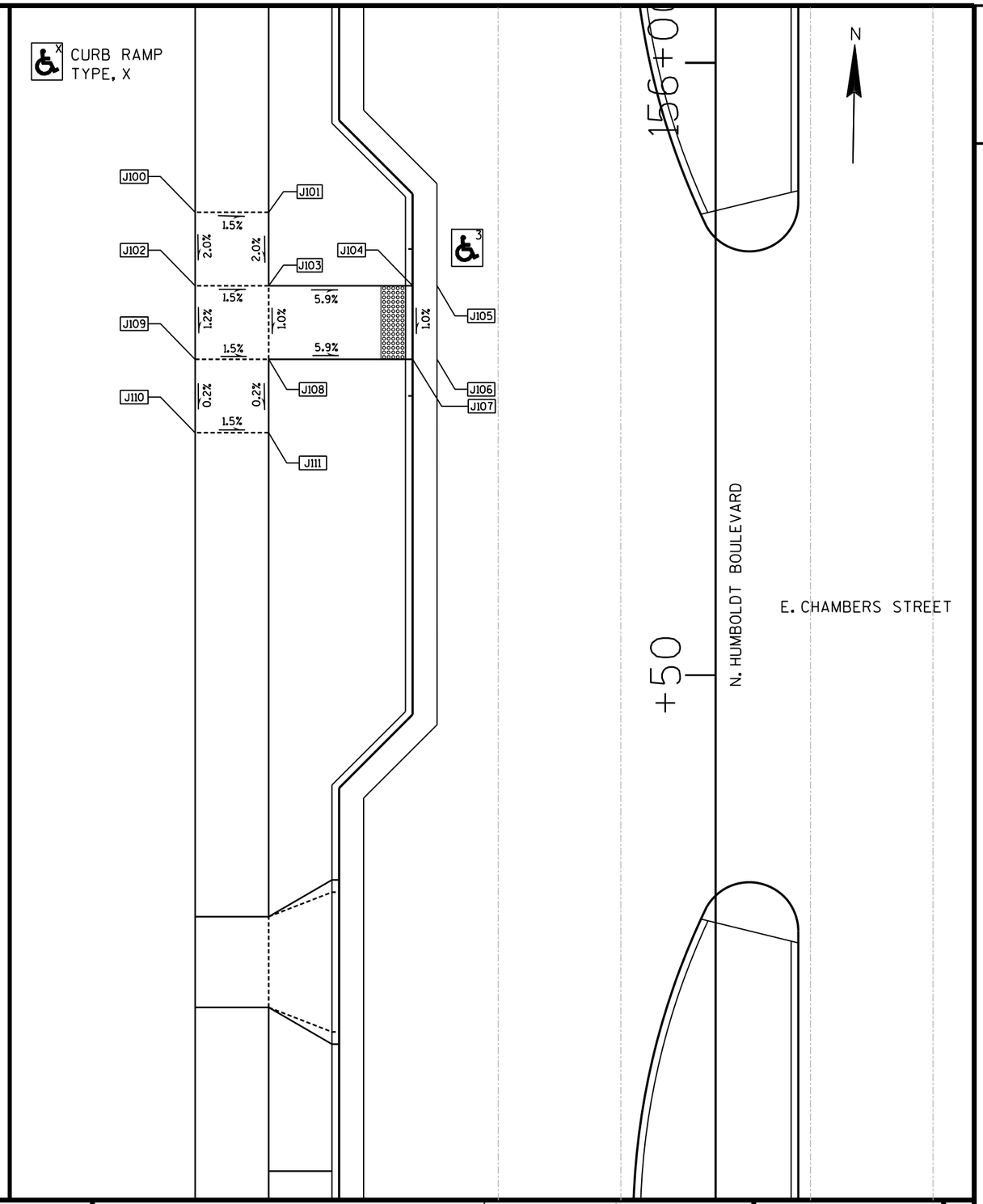


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 66	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
J100	155+87.80	42.50'LT	398,463.58	2,561,628.32	87.18
J101	155+87.80	36.50'LT	398,463.68	2,561,634.32	87.09
J102	155+81.80	42.50'LT	398,457.58	2,561,628.41	87.06
J103	155+81.80	36.50'LT	398,457.68	2,561,634.41	86.97
J104	155+81.80	24.75'LT	398,457.87	2,561,646.16	86.28
J105	155+81.80	22.75'LT	398,457.90	2,561,648.16	86.36
J106	155+75.80	22.75'LT	398,451.90	2,561,648.26	86.30
J107	155+75.80	24.75'LT	398,451.87	2,561,646.26	86.22
J108	155+75.80	36.50'LT	398,451.68	2,561,634.51	86.91
J109	155+75.80	42.50'LT	398,451.58	2,561,628.51	87.00
J110	155+69.80	42.50'LT	398,445.58	2,561,628.61	86.99
J111	155+69.80	36.50'LT	398,445.68	2,561,634.61	86.90

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.



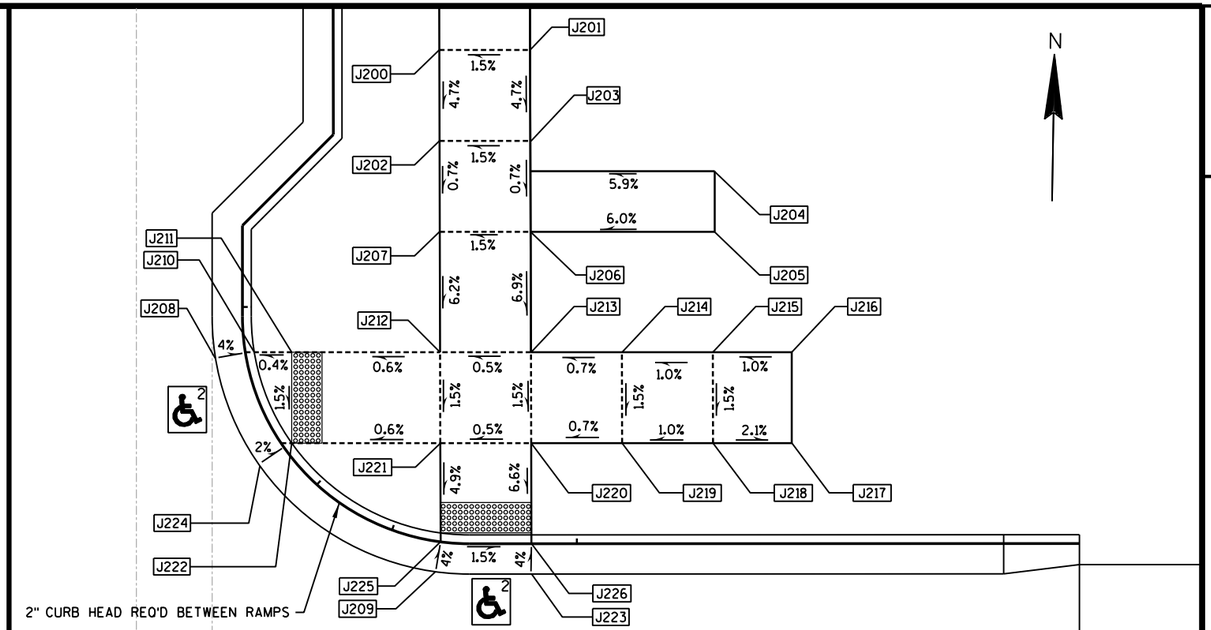
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 67	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
J200	156+01.75	37.75'RT	398,478.84	2,561,708.32	86.84
J201	156+01.75	43.75'RT	398,478.94	2,561,714.32	86.93
J202	155+95.75	37.76'RT	398,472.84	2,561,708.44	86.56
J203	155+95.75	43.76'RT	398,472.94	2,561,714.44	86.65
J204	155+93.75	55.93'RT	398,471.14	2,561,726.64	87.35
J205	155+89.75	55.93'RT	398,467.14	2,561,726.70	87.35
J206	155+89.75	43.78'RT	398,466.94	2,561,714.55	86.61
J207	155+89.75	37.78'RT	398,466.84	2,561,708.55	86.52
J208	155+81.38	22.98'RT	398,458.23	2,561,693.89	86.03
J209	155+67.32	37.49'RT	398,444.41	2,561,708.63	85.70
J210	155+81.80	25.53'RT	398,458.69	2,561,696.43	85.96
J211	155+81.80	28.01'RT	398,458.73	2,561,698.91	85.97
J212	155+81.80	37.80'RT	398,458.89	2,561,708.70	86.03
J213	155+81.80	43.80'RT	398,458.99	2,561,714.70	86.06
J214	155+81.80	49.80'RT	398,459.09	2,561,720.70	86.10
J215	155+81.80	55.80'RT	398,459.19	2,561,726.70	86.16
J216	155+81.80	61.02'RT	398,459.27	2,561,731.92	86.21
J217	155+75.80	61.02'RT	398,453.28	2,561,732.02	85.96
J218	155+75.80	55.82'RT	398,453.19	2,561,726.82	86.07
J219	155+75.80	49.82'RT	398,453.09	2,561,720.82	86.01
J220	155+75.80	43.82'RT	398,452.99	2,561,714.82	85.97
J221	155+75.80	37.82'RT	398,452.90	2,561,708.82	85.94
J222	155+75.80	28.01'RT	398,452.74	2,561,699.01	85.88
J223	155+67.17	43.84'RT	398,444.36	2,561,714.98	85.61
J224	155+74.30	25.91'RT	398,451.20	2,561,696.93	85.91
J225	155+69.29	37.83'RT	398,446.39	2,561,708.94	85.62
J226	155+69.17	43.83'RT	398,446.36	2,561,714.94	85.53

NOTES:

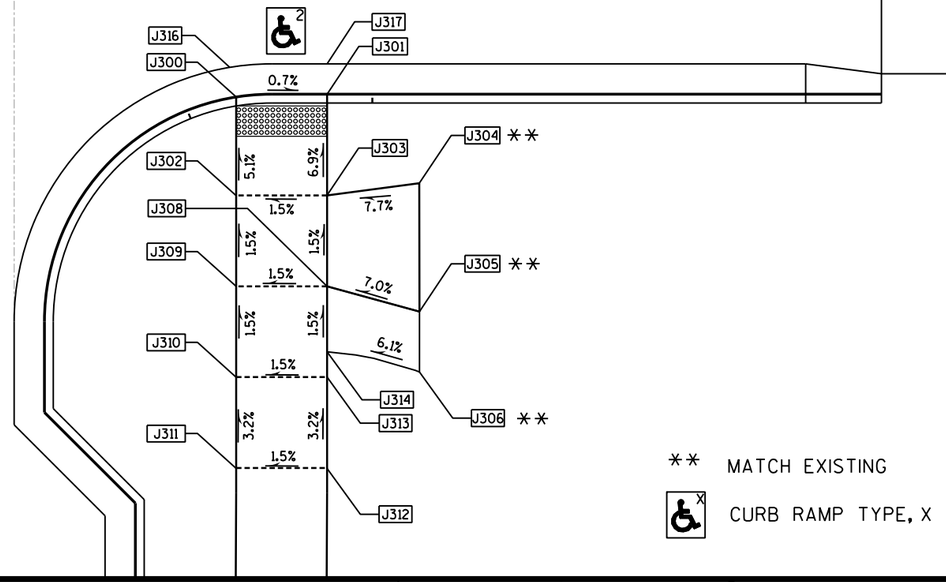
1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
J300	155+38.98	37.40'RT	398,416.08	2,561,709.01	85.26
J301	155+39.17	43.40'RT	398,416.36	2,561,715.00	85.22
J302	155+32.49	37.40'RT	398,409.58	2,561,709.11	85.59
J303	155+32.49	43.40'RT	398,409.68	2,561,715.11	85.68
J304	155+33.29	49.50'RT	398,410.58	2,561,721.20	86.15
J305	155+24.82	49.50'RT	398,402.11	2,561,721.34	86.21
J306	155+20.84	49.50'RT	398,398.13	2,561,721.40	86.21
J308	155+26.49	43.40'RT	398,403.68	2,561,715.21	85.77
J309	155+26.49	37.40'RT	398,403.58	2,561,709.21	85.68
J310	155+20.49	37.40'RT	398,397.58	2,561,709.31	85.77
J311	155+14.49	37.40'RT	398,391.59	2,561,709.41	85.96
J312	155+14.49	43.40'RT	398,391.68	2,561,715.41	86.05
J313	155+20.49	43.40'RT	398,397.68	2,561,715.31	85.86
J314	155+22.16	43.40'RT	398,399.35	2,561,715.28	85.83
J316	155+40.94	36.98'RT	398,418.03	2,561,708.56	85.34
J317	155+41.17	43.40'RT	398,418.36	2,561,714.97	85.30



N. HUMBOLDT BOULEVARD

E. CHAMBERS STREET



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 68	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\021320_cr.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

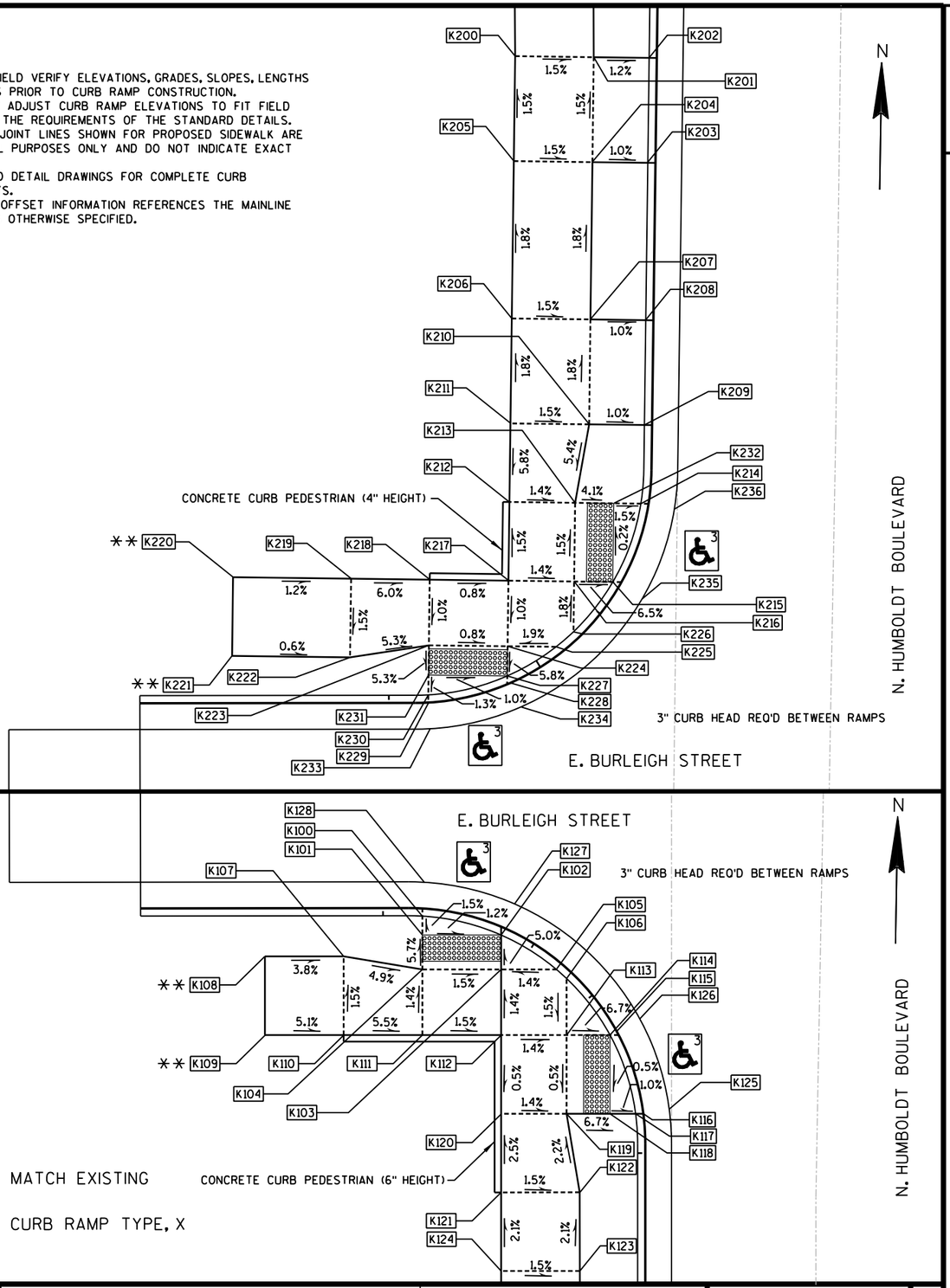
WISDOT/CADDS SHEET 42

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
K200	159+64.26	42.30'LT	398,840.54	2,561,623.22	88.62
K201	159+64.26	36.30'LT	398,840.56	2,561,629.22	88.53
K202	159+64.26	32.08'LT	398,840.58	2,561,633.44	88.48
K203	159+56.26	32.08'LT	398,832.58	2,561,633.47	88.59
K204	159+56.26	36.30'LT	398,832.56	2,561,629.25	88.63
K205	159+56.26	42.30'LT	398,832.54	2,561,623.25	88.72
K206	159+44.26	42.30'LT	398,820.54	2,561,623.30	88.95
K207	159+44.26	36.30'LT	398,820.56	2,561,629.30	88.86
K208	159+44.26	32.08'LT	398,820.58	2,561,633.51	88.82
K209	159+36.26	32.08'LT	398,812.58	2,561,633.54	88.96
K210	159+36.26	36.30'LT	398,812.56	2,561,629.32	89.00
K211	159+36.26	42.30'LT	398,812.54	2,561,623.32	89.09
K212	159+30.26	42.30'LT	398,806.54	2,561,623.35	88.74
K213	159+30.26	37.30'LT	398,806.56	2,561,628.35	88.67
K214	159+30.26	32.28'LT	398,806.58	2,561,633.37	88.52
K215	159+24.26	34.35'LT	398,800.57	2,561,631.32	88.56
K216	159+24.26	37.30'LT	398,800.56	2,561,628.37	88.75
K217	159+24.26	42.30'LT	398,800.54	2,561,623.37	88.82
K218	159+24.26	48.30'LT	398,800.52	2,561,617.37	88.87
K219	159+24.26	54.30'LT	398,800.50	2,561,611.37	89.23
K220	159+24.26	63.29'LT	398,800.46	2,561,602.37	89.34
K221	159+18.26	63.29'LT	398,794.46	2,561,602.40	89.19
K222	159+18.26	54.30'LT	398,794.50	2,561,611.39	89.14
K223	159+19.26	48.30'LT	398,795.52	2,561,617.39	88.82
K224	159+19.26	42.30'LT	398,795.54	2,561,623.39	88.77
K225	159+19.26	38.61'LT	398,795.55	2,561,627.08	88.84
K226	159+20.42	37.30'LT	398,796.72	2,561,628.38	88.82
K227	159+16.99	42.30'LT	398,793.27	2,561,623.39	88.64
K228	159+16.46	42.06'LT	398,792.74	2,561,623.64	88.63
K229	159+14.90	48.26'LT	398,791.15	2,561,617.44	88.67
K230	159+15.48	48.30'LT	398,791.74	2,561,617.40	88.68
K231	159+16.99	48.30'LT	398,793.25	2,561,617.39	88.70
K232	159+30.26	34.35'LT	398,806.57	2,561,631.30	88.55
K233	159+12.90	48.13'LT	398,789.16	2,561,617.58	88.75
K234	159+14.64	41.24'LT	398,790.92	2,561,624.47	88.71
K235	159+22.99	32.10'LT	398,799.31	2,561,633.57	88.63
K236	159+29.88	29.72'LT	398,806.21	2,561,635.93	88.59

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
K100	158+74.87	48.50'LT	398,750.51	2,561,617.62	88.94
K101	158+73.43	48.50'LT	398,749.07	2,561,617.64	88.96
K102	158+73.43	42.50'LT	398,749.17	2,561,623.64	88.89
K103	158+70.80	42.50'LT	398,746.54	2,561,623.68	89.02
K104	158+70.80	48.50'LT	398,746.44	2,561,617.68	89.11
K105	158+70.80	38.28'LT	398,746.61	2,561,627.91	89.08
K106	158+70.10	37.50'LT	398,745.93	2,561,628.69	89.07
K107	158+71.80	54.50'LT	398,747.34	2,561,611.67	89.41
K108	158+71.80	60.50'LT	398,747.25	2,561,605.67	89.64
K109	158+65.80	60.50'LT	398,741.25	2,561,605.77	89.80
K110	158+65.80	54.50'LT	398,741.35	2,561,611.77	89.50
K111	158+65.80	48.50'LT	398,741.44	2,561,617.77	89.17
K112	158+65.80	42.50'LT	398,741.54	2,561,623.77	89.08
K113	158+65.80	37.50'LT	398,741.62	2,561,628.76	89.01
K114	158+65.80	34.20'LT	398,741.68	2,561,632.07	88.79
K115	158+66.07	33.68'LT	398,741.96	2,561,632.58	88.78
K116	158+59.80	31.65'LT	398,735.72	2,561,634.71	88.73
K117	158+59.80	32.24'LT	398,735.71	2,561,634.12	88.74
K118	158+59.80	34.20'LT	398,735.68	2,561,632.16	88.76
K119	158+59.80	37.50'LT	398,735.62	2,561,628.86	88.98
K120	158+59.80	42.50'LT	398,735.54	2,561,623.86	89.05
K121	158+53.80	42.50'LT	398,729.54	2,561,623.96	89.20
K122	158+53.80	36.50'LT	398,729.64	2,561,629.96	89.11
K123	158+47.80	36.50'LT	398,723.64	2,561,630.06	89.23
K124	158+47.80	42.50'LT	398,723.54	2,561,624.06	89.32
K125	158+60.14	29.68'LT	398,736.10	2,561,636.68	88.81
K126	158+67.03	31.93'LT	398,742.94	2,561,634.32	88.86
K127	158+75.79	41.46'LT	398,751.55	2,561,624.64	88.96
K128	158+77.45	48.35'LT	398,753.09	2,561,617.72	89.01

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.



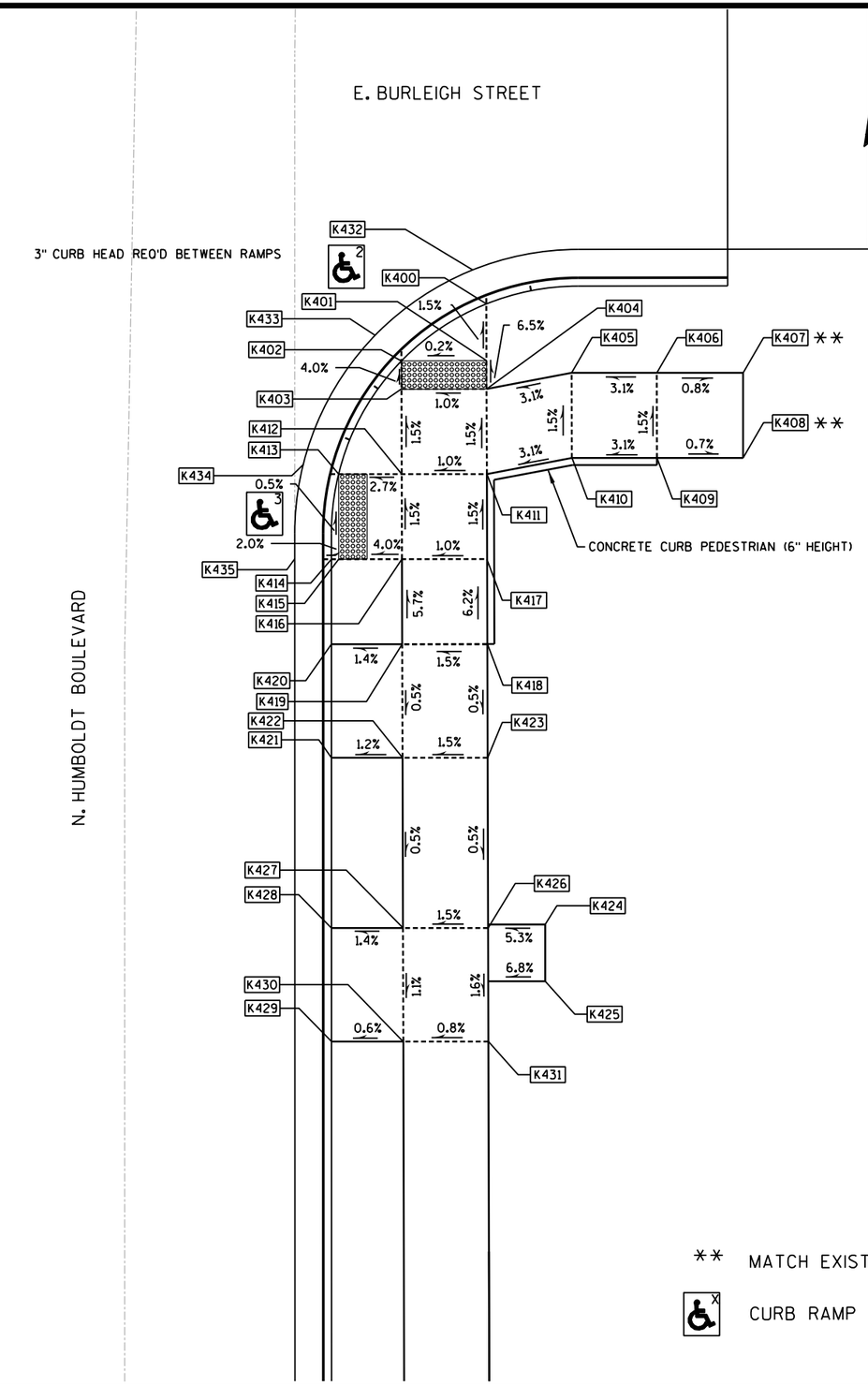
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\021321_cr.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
K400	158+77.76	43.00'RT	398,754.90	2,561,709.06	88.44
K401	158+73.77	43.01'RT	398,750.91	2,561,709.14	88.50
K402	158+73.74	37.01'RT	398,750.78	2,561,703.14	88.49
K403	158+71.77	37.02'RT	398,748.81	2,561,703.18	88.57
K404	158+71.77	43.02'RT	398,748.91	2,561,709.18	88.63
K405	158+72.90	49.02'RT	398,750.14	2,561,715.15	88.82
K406	158+72.90	55.02'RT	398,750.24	2,561,721.15	89.01
K407	158+72.90	61.11'RT	398,750.34	2,561,727.24	88.96
K408	158+66.90	61.11'RT	398,744.34	2,561,727.34	89.06
K409	158+66.90	55.03'RT	398,744.24	2,561,721.27	89.10
K410	158+66.90	49.03'RT	398,744.14	2,561,715.27	88.91
K411	158+65.77	43.04'RT	398,742.91	2,561,709.29	88.72
K412	158+65.77	37.04'RT	398,742.81	2,561,703.29	88.66
K413	158+65.77	32.59'RT	398,742.74	2,561,698.84	88.54
K414	158+59.77	32.08'RT	398,736.73	2,561,698.44	88.56
K415	158+59.77	32.59'RT	398,736.74	2,561,698.94	88.57
K416	158+59.77	37.05'RT	398,736.81	2,561,703.41	88.75
K417	158+59.77	43.05'RT	398,736.91	2,561,709.40	88.81
K418	158+53.78	43.07'RT	398,730.93	2,561,709.52	89.18
K419	158+53.77	37.07'RT	398,730.81	2,561,703.52	89.09
K420	158+53.77	32.08'RT	398,730.73	2,561,698.54	89.02
K421	158+45.77	32.08'RT	398,722.73	2,561,698.67	88.99
K422	158+45.77	37.09'RT	398,722.82	2,561,703.67	89.05
K423	158+45.77	43.09'RT	398,722.91	2,561,709.67	89.14
K424	158+34.02	47.15'RT	398,711.23	2,561,713.92	89.29
K425	158+30.02	47.15'RT	398,707.23	2,561,713.99	89.29
K426	158+33.77	43.12'RT	398,710.92	2,561,709.90	89.08
K427	158+33.77	37.12'RT	398,710.82	2,561,703.90	88.99
K428	158+33.77	32.08'RT	398,710.73	2,561,698.86	88.92
K429	158+25.77	32.08'RT	398,702.74	2,561,698.99	88.87
K430	158+25.77	37.14'RT	398,702.82	2,561,704.05	88.90
K431	158+25.77	43.14'RT	398,702.92	2,561,710.05	88.95
K432	158+80.16	42.04'RT	398,757.28	2,561,708.06	88.51
K433	158+75.54	35.16'RT	398,752.56	2,561,701.26	88.56
K434	158+66.42	30.09'RT	398,743.35	2,561,696.34	88.61
K435	158+59.79	29.50'RT	398,736.71	2,561,695.85	88.63

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

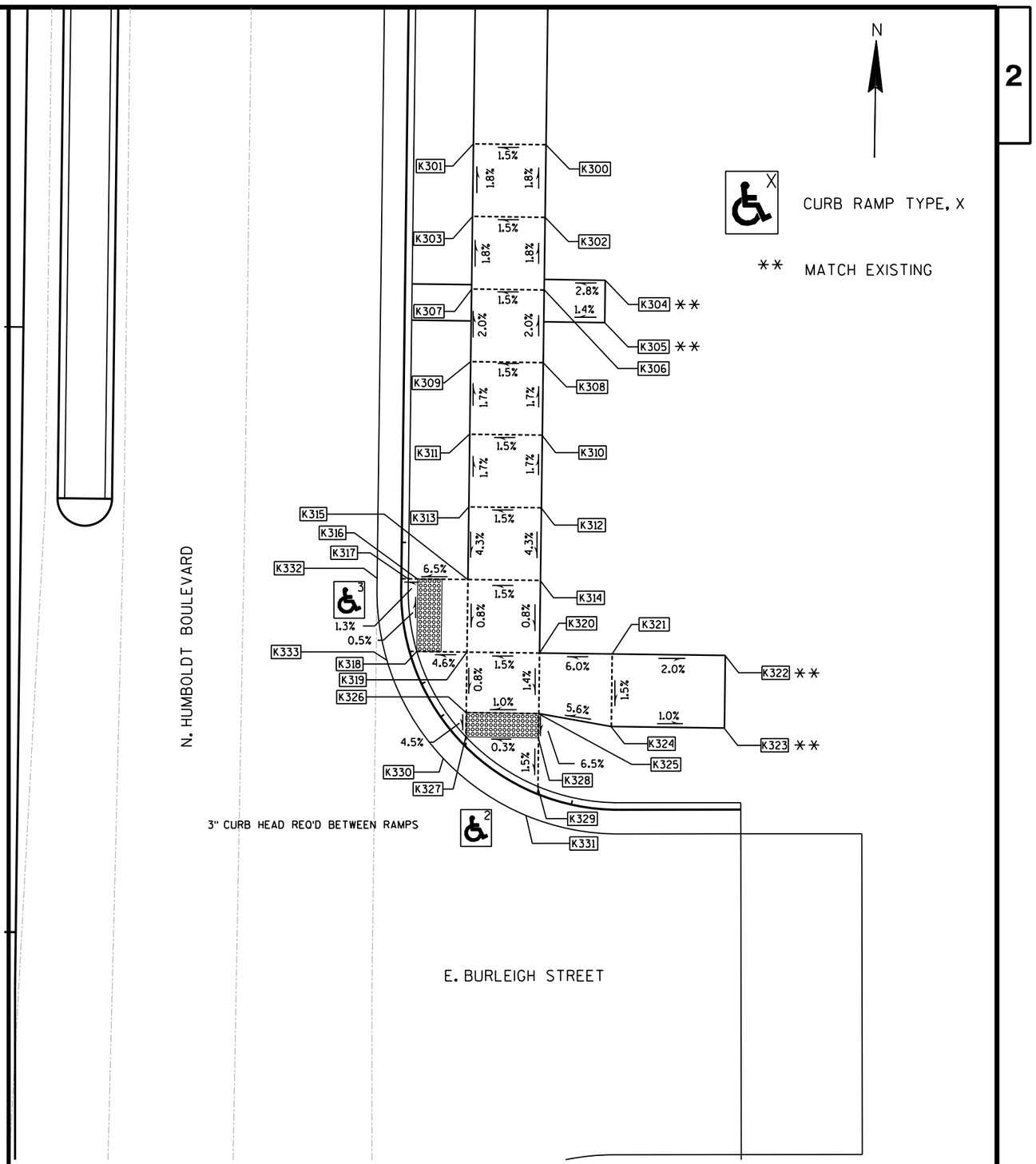


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10		SHEET 70	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
K300	159+65.61	43.00'RT	398,842.19	2,561,708.52	88.46
K301	159+65.61	37.00'RT	398,842.17	2,561,702.52	88.37
K302	159+59.61	43.00'RT	398,836.19	2,561,708.54	88.57
K303	159+59.61	37.00'RT	398,836.17	2,561,702.54	88.48
K304	159+54.47	48.04'RT	398,831.08	2,561,713.60	88.80
K305	159+50.97	48.04'RT	398,827.58	2,561,713.61	88.80
K306	159+53.61	43.00'RT	398,830.20	2,561,708.56	88.68
K307	159+53.61	37.00'RT	398,830.17	2,561,702.56	88.59
K308	159+47.61	43.00'RT	398,824.20	2,561,708.58	88.80
K309	159+47.61	37.00'RT	398,824.17	2,561,702.58	88.71
K310	159+41.61	43.00'RT	398,818.20	2,561,708.60	88.90
K311	159+41.61	37.00'RT	398,818.17	2,561,702.60	88.81
K312	159+35.61	43.00'RT	398,812.20	2,561,708.63	89.00
K313	159+35.61	37.00'RT	398,812.17	2,561,702.63	88.91
K314	159+29.61	43.00'RT	398,806.20	2,561,708.65	88.74
K315	159+29.61	37.00'RT	398,806.17	2,561,702.65	88.65
K316	159+29.61	32.85'RT	398,806.16	2,561,698.50	88.38
K317	159+29.61	32.08'RT	398,806.16	2,561,697.73	88.37
K318	159+23.61	32.85'RT	398,800.16	2,561,698.53	88.41
K319	159+23.61	37.00'RT	398,800.17	2,561,702.67	88.60
K320	159+23.61	43.00'RT	398,800.20	2,561,708.67	88.69
K321	159+23.61	49.00'RT	398,800.22	2,561,714.67	89.05
K322	159+23.61	58.35'RT	398,800.25	2,561,724.02	88.86
K323	159+17.61	58.35'RT	398,794.25	2,561,724.04	88.87
K324	159+17.61	49.00'RT	398,794.22	2,561,714.69	88.96
K325	159+18.61	43.00'RT	398,795.20	2,561,708.69	88.62
K326	159+18.61	37.00'RT	398,795.17	2,561,702.69	88.56
K327	159+16.60	37.00'RT	398,793.17	2,561,702.70	88.47
K328	159+16.60	43.00'RT	398,793.19	2,561,708.70	88.49
K329	159+12.57	43.00'RT	398,789.16	2,561,708.71	88.43
K330	159+14.81	35.14'RT	398,791.37	2,561,700.85	88.54
K331	159+10.17	42.04'RT	398,786.76	2,561,707.76	88.50
K332	159+29.61	29.50'RT	398,806.15	2,561,695.15	88.44
K333	159+22.84	30.39'RT	398,799.39	2,561,696.06	88.48

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.



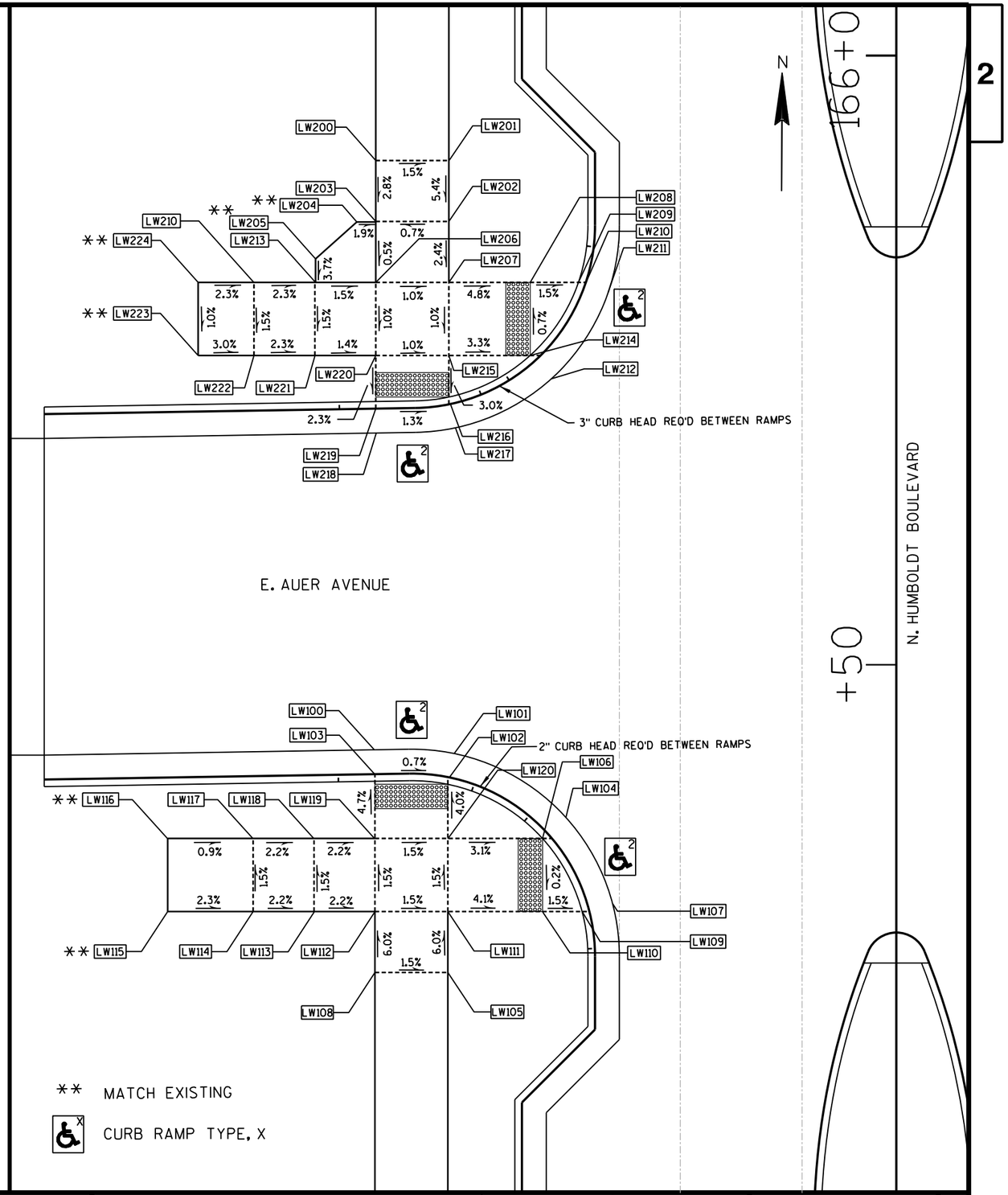
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10		SHEET 71	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
LW200	165+91.38	42.75'LT	399,467.66	2,561,620.50	83.70
LW201	165+91.38	36.75'LT	399,467.68	2,561,626.50	83.61
LW202	165+86.38	36.75'LT	399,462.68	2,561,626.51	83.88
LW203	165+86.86	42.75'LT	399,463.14	2,561,620.51	83.84
LW204	165+86.34	44.31'LT	399,462.61	2,561,618.95	83.87
LW205	165+83.31	47.70'LT	399,459.57	2,561,615.58	83.99
LW206	165+81.38	42.75'LT	399,457.66	2,561,620.53	83.82
LW207	165+81.38	36.75'LT	399,457.68	2,561,626.53	83.76
LW208	165+81.38	30.08'LT	399,457.70	2,561,633.21	83.44
LW209	165+81.38	26.12'LT	399,457.72	2,561,637.17	83.38
LW210	165+81.37	52.75'LT	399,457.61	2,561,610.53	84.03
LW211	165+80.54	23.67'LT	399,456.89	2,561,639.61	83.45
LW212	165+73.47	28.34'LT	399,449.79	2,561,634.97	83.55
LW213	165+81.38	47.70'LT	399,457.64	2,561,615.58	83.92
LW214	165+75.38	30.08'LT	399,451.70	2,561,633.23	83.48
LW215	165+75.38	36.75'LT	399,451.68	2,561,626.55	83.70
LW216	165+71.40	36.63'LT	399,447.70	2,561,626.69	83.58
LW217	165+69.44	36.21'LT	399,445.74	2,561,627.11	83.66
LW218	165+69.02	42.72'LT	399,445.29	2,561,620.61	83.74
LW219	165+71.02	42.75'LT	399,447.29	2,561,620.57	83.66
LW220	165+75.38	42.75'LT	399,451.66	2,561,620.55	83.76
LW221	165+75.38	47.75'LT	399,451.64	2,561,615.55	83.83
LW222	165+75.38	52.75'LT	399,451.62	2,561,610.55	83.94
LW223	165+75.38	57.34'LT	399,451.60	2,561,605.96	84.08
LW224	165+81.38	57.34'LT	399,457.60	2,561,605.94	84.14

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
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4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
LW100	165+43.01	42.87'LT	399,419.29	2,561,620.55	83.94
LW101	165+42.71	36.31'LT	399,419.01	2,561,627.12	83.90
LW102	165+40.75	36.71'LT	399,417.05	2,561,626.72	83.82
LW103	165+41.01	42.84'LT	399,417.29	2,561,620.59	83.86
LW104	165+37.47	27.14'LT	399,413.80	2,561,636.30	83.85
LW105	165+24.73	36.83'LT	399,401.02	2,561,626.66	84.41
LW106	165+35.74	29.06'LT	399,412.06	2,561,634.39	83.78
LW107	165+30.39	23.31'LT	399,406.74	2,561,640.16	83.81
LW108	165+24.73	42.83'LT	399,401.00	2,561,620.66	84.50
LW109	165+29.74	25.81'LT	399,406.07	2,561,637.66	83.74
LW110	165+29.74	29.06'LT	399,406.06	2,561,634.41	83.79
LW111	165+29.74	36.83'LT	399,406.03	2,561,626.64	84.11
LW112	165+29.74	42.83'LT	399,406.01	2,561,620.64	84.20
LW113	165+29.74	47.83'LT	399,405.99	2,561,615.64	84.31
LW114	165+29.74	52.83'LT	399,405.97	2,561,610.64	84.42
LW115	165+29.74	59.85'LT	399,405.95	2,561,603.62	84.58
LW116	165+35.74	59.85'LT	399,411.95	2,561,603.60	84.39
LW117	165+35.74	52.83'LT	399,411.97	2,561,610.62	84.33
LW118	165+35.74	47.83'LT	399,411.99	2,561,615.62	84.22
LW119	165+35.74	42.83'LT	399,412.01	2,561,620.62	84.11
LW120	165+35.74	36.83'LT	399,412.03	2,561,626.62	84.02



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET E

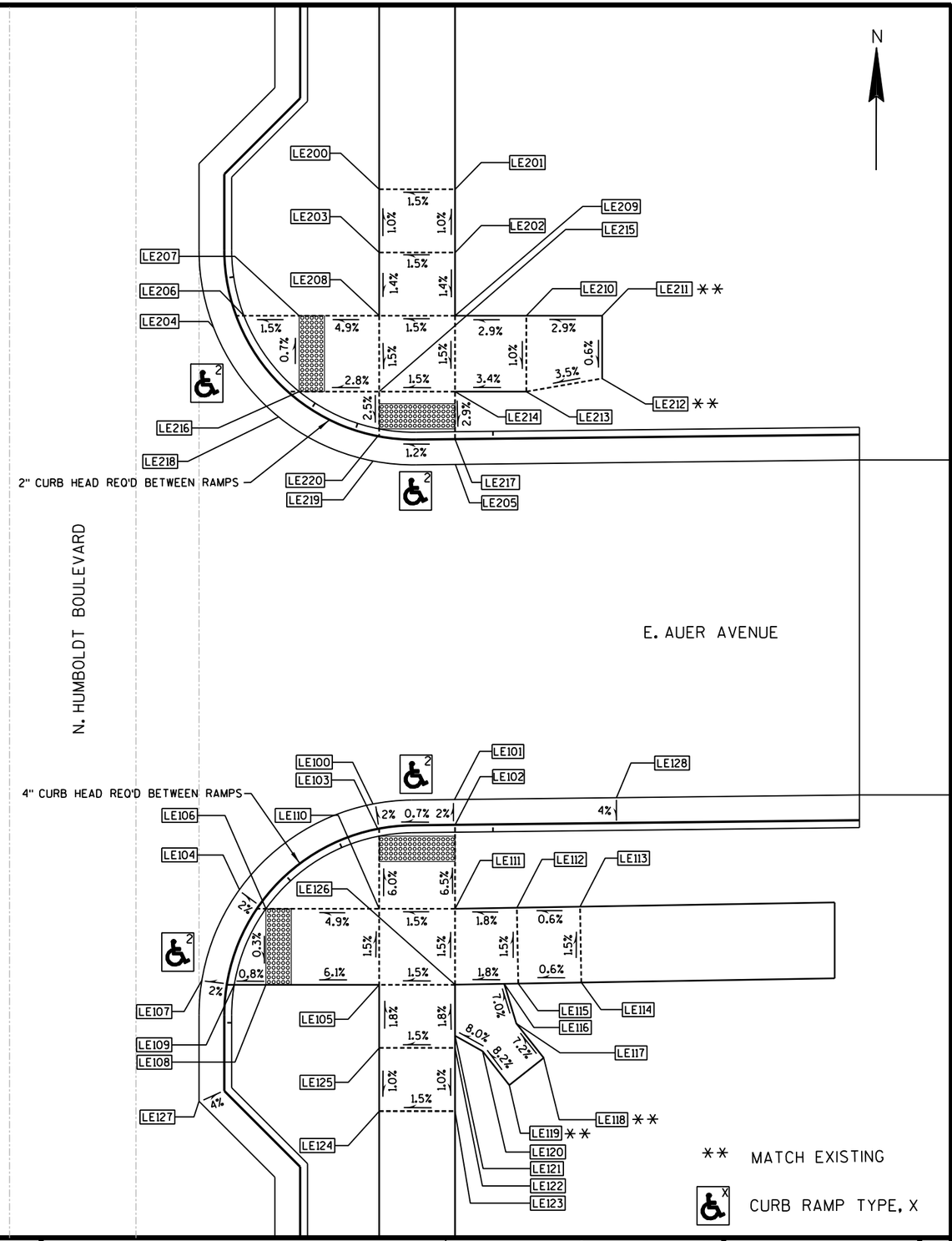
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
LE200	165+92.51	37.00'RT	399,469.07	2,561,700.24	83.48
LE201	165+92.51	43.00'RT	399,469.09	2,561,706.24	83.57
LE202	165+87.51	43.00'RT	399,464.09	2,561,706.26	83.62
LE203	165+87.51	37.00'RT	399,464.07	2,561,700.26	83.53
LE204	165+81.57	23.89'RT	399,458.09	2,561,687.17	83.15
LE205	165+70.73	43.03'RT	399,447.32	2,561,706.35	83.43
LE206	165+82.50	26.30'RT	399,459.03	2,561,689.58	83.08
LE207	165+82.50	30.66'RT	399,459.05	2,561,693.94	83.15
LE208	165+82.50	37.00'RT	399,459.07	2,561,700.28	83.46
LE209	165+82.50	43.00'RT	399,459.09	2,561,706.28	83.55
LE210	165+82.50	48.64'RT	399,459.11	2,561,711.92	83.71
LE211	165+82.50	54.64'RT	399,459.13	2,561,717.92	83.89
LE212	165+77.54	54.64'RT	399,454.17	2,561,717.94	83.86
LE213	165+76.50	48.64'RT	399,453.11	2,561,711.94	83.65
LE214	165+76.50	43.00'RT	399,453.09	2,561,706.30	83.46
LE215	165+76.50	37.00'RT	399,453.07	2,561,700.30	83.37
LE216	165+76.50	30.66'RT	399,453.05	2,561,693.96	83.19
LE217	165+72.73	43.00'RT	399,449.32	2,561,706.31	83.35
LE218	165+74.50	29.04'RT	399,451.03	2,561,692.34	83.26
LE219	165+71.01	36.51'RT	399,447.57	2,561,699.83	83.36
LE220	165+72.97	36.89'RT	399,449.54	2,561,700.20	83.28

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
LE100	165+43.88	36.51'RT	399,420.44	2,561,699.93	83.60
LE101	165+44.23	42.97'RT	399,420.82	2,561,706.39	83.64
LE102	165+42.23	43.00'RT	399,418.82	2,561,706.42	83.68
LE103	165+41.92	36.89'RT	399,418.48	2,561,700.31	83.64
LE104	165+37.11	25.94'RT	399,413.63	2,561,689.38	83.53
LE105	165+29.58	37.00'RT	399,406.14	2,561,700.47	84.11
LE106	165+35.60	28.04'RT	399,412.13	2,561,691.49	83.58
LE107	165+29.96	22.98'RT	399,406.47	2,561,686.44	83.49
LE108	165+29.58	28.04'RT	399,406.11	2,561,691.51	83.56
LE109	165+29.58	25.53'RT	399,406.10	2,561,689.00	83.54
LE110	165+35.60	37.00'RT	399,412.16	2,561,700.45	84.02
LE111	165+35.60	43.00'RT	399,412.19	2,561,706.45	84.11
LE112	165+35.68	47.90'RT	399,412.29	2,561,711.34	84.20
LE113	165+35.77	52.90'RT	399,412.39	2,561,716.34	84.23
LE114	165+29.77	53.00'RT	399,406.39	2,561,716.46	84.32
LE115	165+29.68	48.00'RT	399,406.29	2,561,711.47	84.29
LE116	165+29.66	46.89'RT	399,406.26	2,561,710.36	84.27
LE117	165+26.52	47.85'RT	399,403.12	2,561,711.33	84.50
LE118	165+23.80	50.02'RT	399,400.41	2,561,713.51	84.75
LE119	165+21.65	47.29'RT	399,398.25	2,561,710.79	84.75
LE120	165+24.33	45.18'RT	399,400.92	2,561,708.67	84.47
LE121	165+25.55	43.00'RT	399,402.13	2,561,706.48	84.27
LE122	165+24.60	43.00'RT	399,401.18	2,561,706.49	84.29
LE123	165+19.60	43.00'RT	399,396.18	2,561,706.51	84.24
LE124	165+19.60	37.00'RT	399,396.16	2,561,700.51	84.15
LE125	165+24.60	37.00'RT	399,401.16	2,561,700.49	84.20
LE126	165+29.60	43.00'RT	399,406.19	2,561,706.47	84.20
LE127	165+20.37	22.75'RT	399,396.88	2,561,686.25	83.52
LE128	165+44.38	55.77'RT	399,421.01	2,561,719.18	83.70



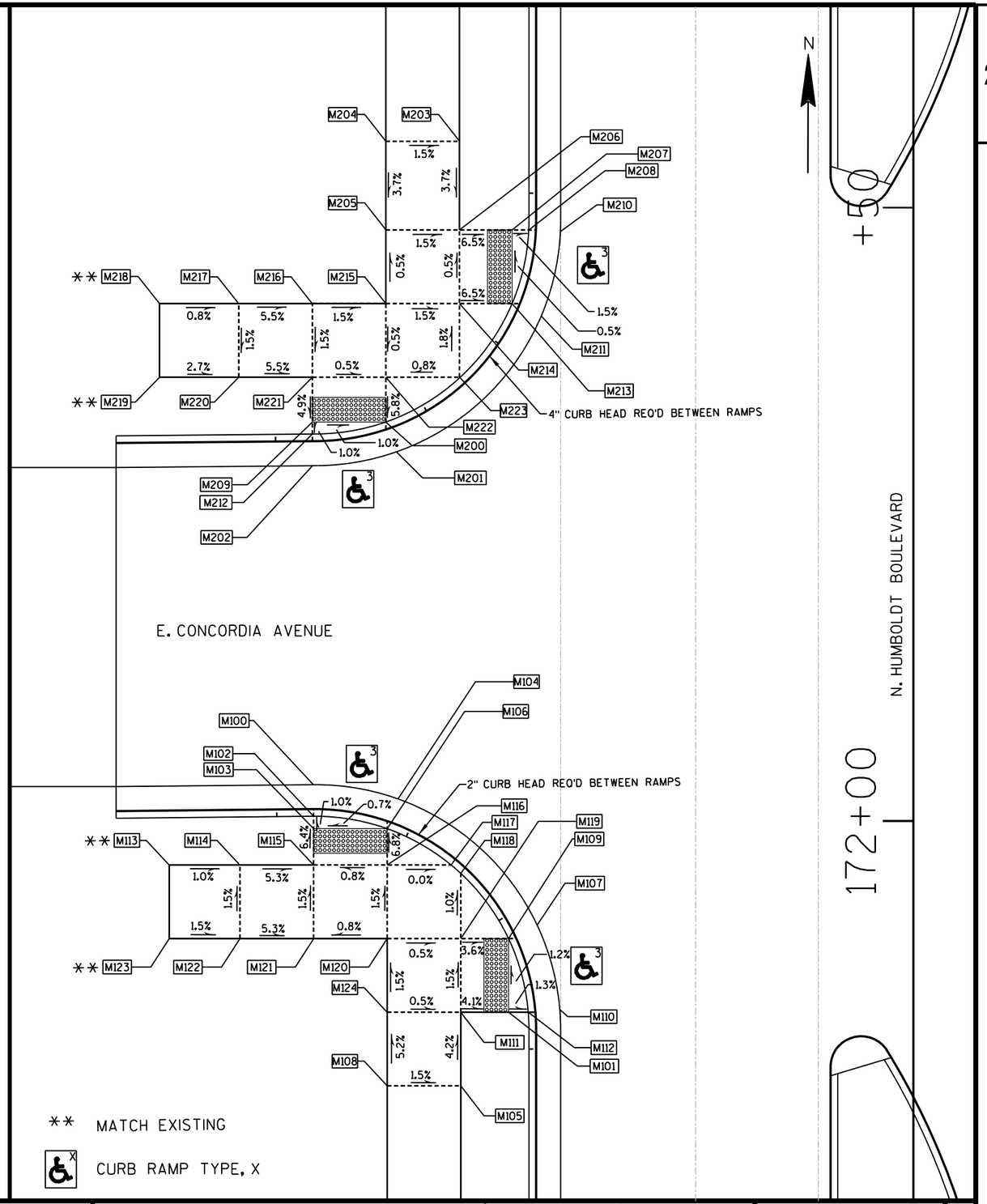
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 73	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
M200	172+32.53	43.00'LT	400,108.80	2,561,617.92	78.02
M201	172+30.09	42.15'LT	400,106.36	2,561,618.78	78.09
M202	172+28.97	48.97'LT	400,105.21	2,561,611.96	78.14
M203	172+55.40	37.00'LT	400,131.69	2,561,623.83	78.41
M204	172+55.40	43.00'LT	400,131.67	2,561,617.83	78.50
M205	172+48.18	43.00'LT	400,124.45	2,561,617.86	78.23
M206	172+48.18	37.00'LT	400,124.47	2,561,623.86	78.14
M207	172+48.18	32.71'LT	400,124.48	2,561,628.15	77.86
M208	172+48.18	31.35'LT	400,124.49	2,561,629.51	77.84
M209	172+32.53	49.00'LT	400,108.77	2,561,611.92	78.08
M210	172+48.06	28.77'LT	400,124.38	2,561,632.09	77.91
M211	172+41.17	30.33'LT	400,117.48	2,561,630.55	77.96
M212	172+31.55	49.00'LT	400,107.80	2,561,611.92	78.07
M213	172+42.18	32.71'LT	400,118.48	2,561,628.17	77.89
M214	172+42.18	37.00'LT	400,118.47	2,561,623.88	78.17
M215	172+42.18	43.00'LT	400,118.45	2,561,617.88	78.26
M216	172+42.18	49.00'LT	400,118.42	2,561,611.88	78.35
M217	172+42.18	55.00'LT	400,118.40	2,561,605.88	78.68
M218	172+42.18	61.46'LT	400,118.38	2,561,599.42	78.73
M219	172+36.18	61.46'LT	400,112.38	2,561,599.44	78.76
M220	172+36.18	55.00'LT	400,112.40	2,561,605.91	78.59
M221	172+36.18	49.00'LT	400,112.42	2,561,611.90	78.26
M222	172+36.18	43.00'LT	400,112.45	2,561,617.90	78.23
M223	172+36.18	37.00'LT	400,112.47	2,561,623.90	78.28

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
M100	172+02.96	48.93'LT	400,079.21	2,561,612.10	78.13
M101	171+84.41	33.01'LT	400,060.72	2,561,628.09	78.30
M102	172+00.38	48.90'LT	400,076.63	2,561,612.13	78.06
M103	171+99.37	48.90'LT	400,075.62	2,561,612.14	78.07
M104	172+01.80	42.03'LT	400,078.08	2,561,619.00	78.18
M105	171+78.41	36.90'LT	400,054.70	2,561,624.21	78.71
M106	171+99.37	42.90'LT	400,075.64	2,561,618.14	78.11
M107	171+91.52	30.67'LT	400,067.83	2,561,630.40	78.30
M108	171+78.41	42.90'LT	400,054.68	2,561,618.21	78.80
M109	171+90.41	33.01'LT	400,066.72	2,561,628.07	78.23
M110	171+84.63	28.82'LT	400,060.95	2,561,632.27	78.35
M111	171+84.41	36.90'LT	400,060.70	2,561,624.19	78.46
M112	171+84.41	31.39'LT	400,060.72	2,561,629.70	78.28
M113	171+96.41	60.66'LT	400,072.62	2,561,600.39	78.64
M114	171+96.41	54.90'LT	400,072.64	2,561,606.15	78.58
M115	171+96.41	48.90'LT	400,072.66	2,561,612.15	78.26
M116	171+96.41	42.90'LT	400,072.68	2,561,618.15	78.31
M117	171+96.41	37.68'LT	400,072.70	2,561,623.37	78.31
M118	171+95.73	36.90'LT	400,072.02	2,561,624.15	78.32
M119	171+90.41	36.90'LT	400,066.70	2,561,624.17	78.37
M120	171+90.41	42.90'LT	400,066.68	2,561,618.17	78.40
M121	171+90.41	48.90'LT	400,066.66	2,561,612.17	78.35
M122	171+90.41	54.90'LT	400,066.64	2,561,606.17	78.67
M123	171+90.41	60.66'LT	400,066.62	2,561,600.41	78.76
M124	171+84.41	42.90'LT	400,060.68	2,561,618.19	78.49



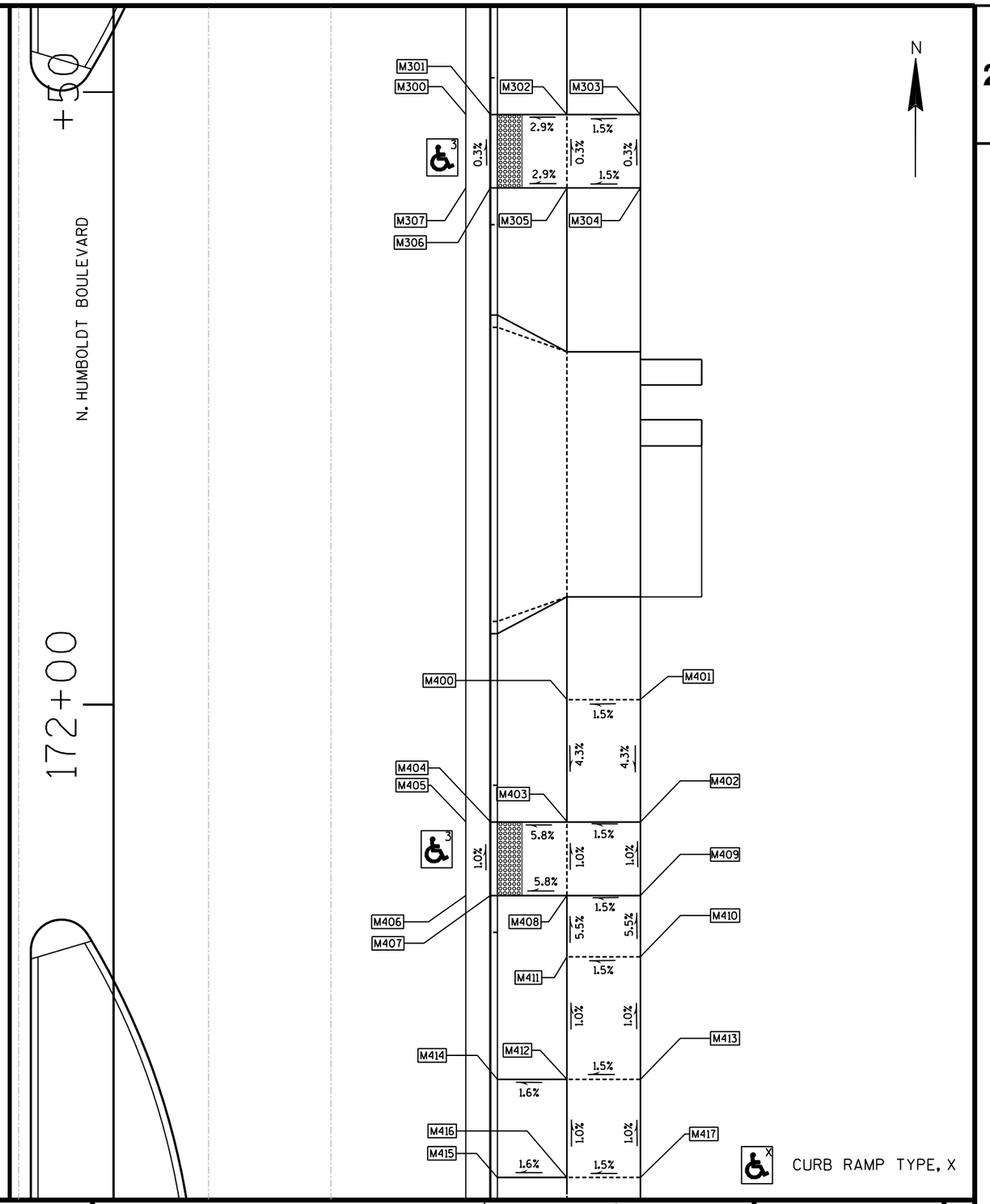
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 74	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
M300	172+48.18	28.75'RT	400,124.71	2,561,689.61	77.59
M301	172+48.18	30.75'RT	400,124.71	2,561,691.61	77.51
M302	172+48.18	37.00'RT	400,124.74	2,561,697.86	77.69
M303	172+48.18	43.00'RT	400,124.76	2,561,703.86	77.78
M304	172+42.18	43.00'RT	400,118.76	2,561,703.88	77.80
M305	172+42.18	37.00'RT	400,118.74	2,561,697.88	77.71
M306	172+42.18	30.75'RT	400,118.71	2,561,691.63	77.53
M307	172+42.18	28.75'RT	400,118.71	2,561,689.63	77.61

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
M400	172+00.41	37.00'RT	400,076.97	2,561,698.03	78.69
M401	172+00.41	43.00'RT	400,076.99	2,561,704.03	78.78
M402	171+90.41	43.00'RT	400,066.99	2,561,704.07	78.35
M403	171+90.41	37.00'RT	400,066.97	2,561,698.07	78.26
M404	171+90.41	30.75'RT	400,066.95	2,561,691.82	77.90
M405	171+90.41	28.75'RT	400,066.94	2,561,689.82	77.98
M406	171+84.41	28.75'RT	400,060.94	2,561,689.84	78.04
M407	171+84.41	30.75'RT	400,060.95	2,561,691.84	77.96
M408	171+84.41	37.00'RT	400,060.97	2,561,698.09	78.32
M409	171+84.41	43.00'RT	400,060.99	2,561,704.09	78.41
M410	171+79.41	43.00'RT	400,055.99	2,561,704.11	78.68
M411	171+79.41	37.00'RT	400,055.97	2,561,698.11	78.59
M412	171+69.41	37.00'RT	400,045.97	2,561,698.15	78.69
M413	171+69.42	43.00 'RT	400,046.00	2,561,704.15	78.78
M414	171+69.41	31.33 'RT	400,045.95	2,561,692.48	78.60
M415	171+61.41	31.33 'RT	400,037.95	2,561,692.51	78.68
M416	171+61.41	37.00 'RT	400,037.97	2,561,698.18	78.77
M417	171+61.41	43.00 'RT	400,037.99	2,561,704.18	78.86



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 75	E

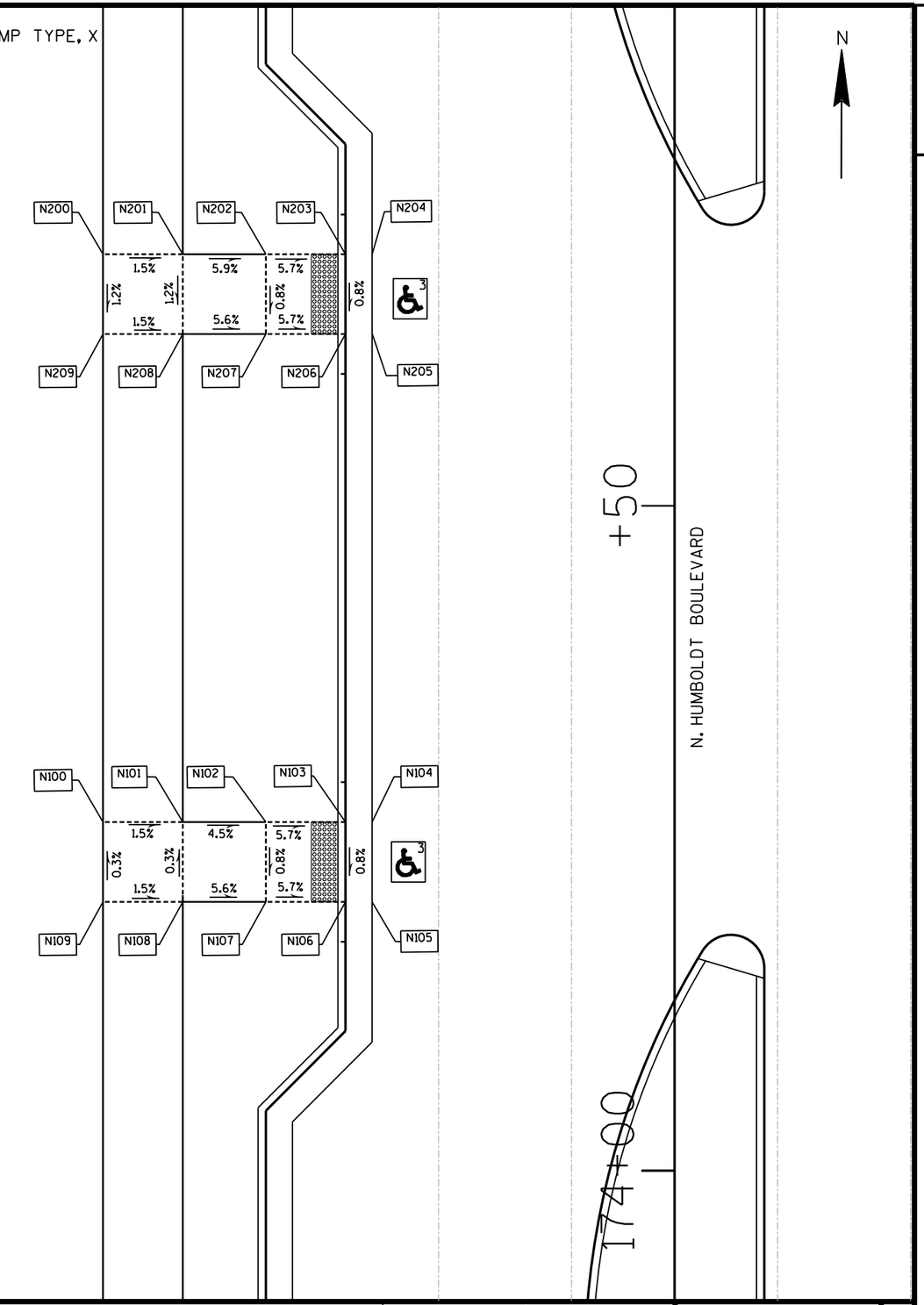
POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
N200	174+68.92	43.00'LT	400,345.18	2,561,617.06	80.49
N201	174+68.92	37.00'LT	400,345.21	2,561,623.06	80.40
N202	174+68.92	30.75'LT	400,345.23	2,561,629.31	80.03
N203	174+68.92	24.75'LT	400,345.25	2,561,635.31	79.69
N204	174+68.92	22.75'LT	400,345.26	2,561,637.31	79.77
N205	174+62.92	22.75'LT	400,339.26	2,561,637.33	79.72
N206	174+62.92	24.75'LT	400,339.25	2,561,635.33	79.64
N207	174+62.92	30.75'LT	400,339.23	2,561,629.33	79.98
N208	174+62.92	37.00'LT	400,339.21	2,561,623.08	80.33
N209	174+62.92	43.00'LT	400,339.18	2,561,617.08	80.42

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
N100	174+26.21	43.00'LT	400,302.48	2,561,617.21	80.04
N101	174+26.21	37.00'LT	400,302.50	2,561,623.21	79.95
N102	174+26.21	30.75'LT	400,302.53	2,561,629.46	79.67
N103	174+26.21	24.75'LT	400,302.55	2,561,635.46	79.33
N104	174+26.21	22.75'LT	400,302.56	2,561,637.46	79.41
N105	174+20.21	22.75'LT	400,296.56	2,561,637.49	79.36
N106	174+20.21	24.75'LT	400,296.55	2,561,635.49	79.28
N107	174+20.21	30.75'LT	400,296.53	2,561,629.49	79.62
N108	174+20.21	37.00'LT	400,296.50	2,561,623.24	79.97
N109	174+20.21	43.00'LT	400,296.48	2,561,617.24	80.06

CURB RAMP TYPE, X



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET E

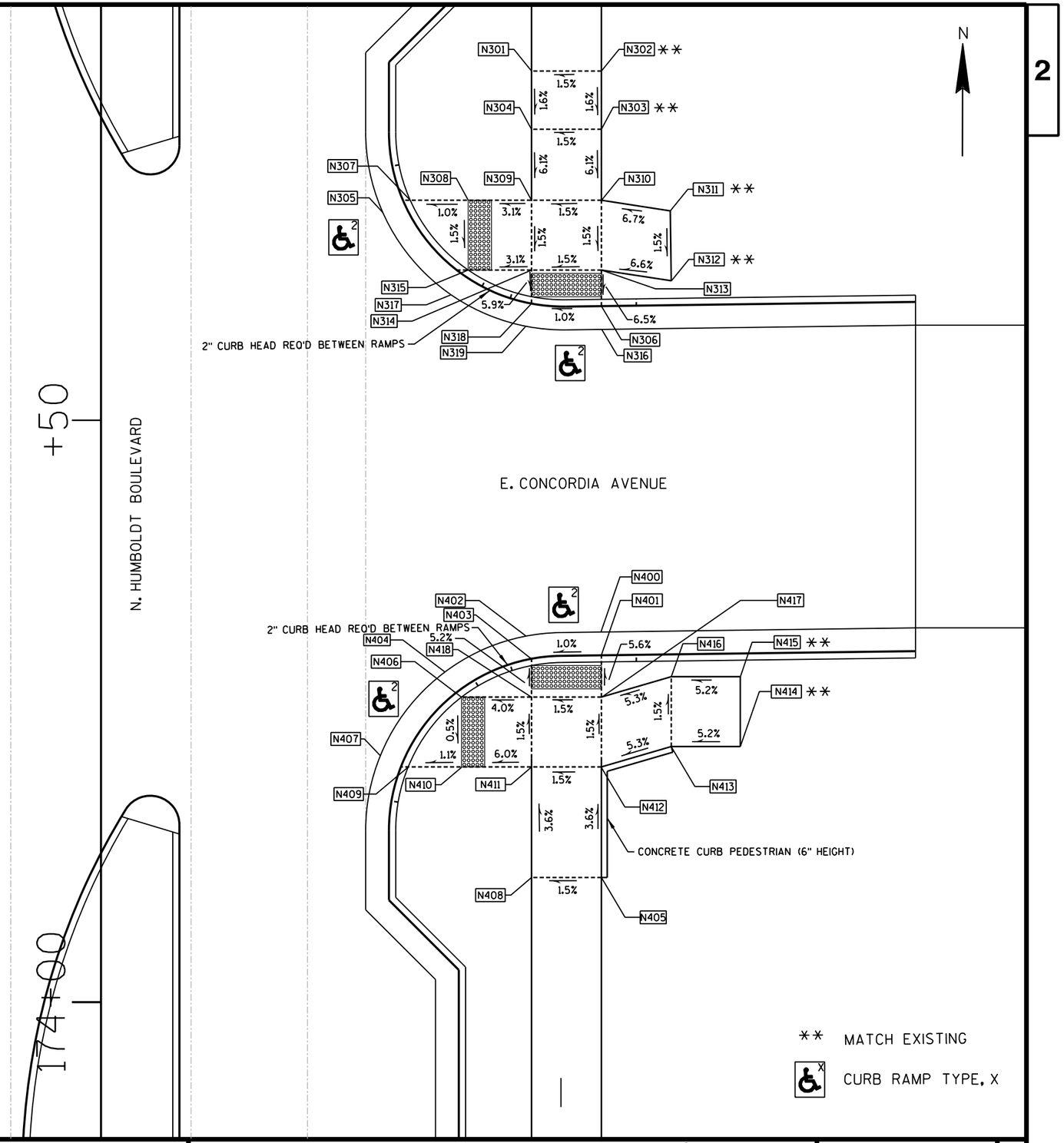
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POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
N301	174+80.02	37.00'RT	400,356.58	2,561,697.02	80.07
N302	174+80.02	43.00'RT	400,356.60	2,561,703.02	80.16
N303	174+75.02	43.00'RT	400,351.60	2,561,703.04	80.08
N304	174+75.02	37.00'RT	400,351.58	2,561,697.04	79.99
N305	174+67.86	24.22'RT	400,344.37	2,561,684.28	79.47
N306	174+59.82	43.00'RT	400,336.40	2,561,703.09	79.42
N307	174+68.91	26.58'RT	400,345.43	2,561,686.64	79.40
N308	174+68.93	31.55'RT	400,345.47	2,561,691.61	79.45
N309	174+68.90	37.00'RT	400,345.46	2,561,697.06	79.62
N310	174+68.92	43.00'RT	400,345.50	2,561,703.06	79.71
N311	174+68.00	48.92'RT	400,344.60	2,561,708.98	80.11
N312	174+62.00	49.00'RT	400,338.60	2,561,709.08	80.02
N313	174+62.92	43.00'RT	400,339.50	2,561,703.08	79.62
N314	174+62.91	37.00'RT	400,339.47	2,561,697.08	79.53
N315	174+62.92	31.55'RT	400,339.46	2,561,691.63	79.36
N316	174+57.81	43.04'RT	400,334.39	2,561,703.14	79.50
N317	174+60.79	30.09'RT	400,337.32	2,561,690.17	79.43
N318	174+60.03	37.00'RT	400,336.59	2,561,697.09	79.36
N319	174+58.08	36.51'RT	400,334.64	2,561,696.61	79.44

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
N400	174+31.82	42.97'RT	400,308.40	2,561,703.16	79.28
N401	174+29.82	43.00'RT	400,306.40	2,561,703.20	79.20
N402	174+31.46	36.51'RT	400,308.02	2,561,696.70	79.22
N403	174+29.50	36.89'RT	400,306.05	2,561,697.09	79.14
N404	174+28.26	29.41'RT	400,304.80	2,561,689.62	79.14
N405	174+10.71	37.00'RT	400,287.26	2,561,697.27	79.83
N406	174+26.21	30.98'RT	400,302.75	2,561,691.19	79.07
N407	174+21.19	24.01'RT	400,297.70	2,561,684.24	79.06
N408	174+10.72	43.00'RT	400,287.30	2,561,703.27	79.74
N409	174+20.21	26.40'RT	400,296.73	2,561,686.64	78.99
N410	174+20.21	30.98'RT	400,296.75	2,561,691.22	79.04
N411	174+20.21	37.00'RT	400,296.77	2,561,697.24	79.40
N412	174+20.21	43.00'RT	400,296.79	2,561,703.24	79.49
N413	174+21.96	49.00'RT	400,298.57	2,561,709.23	79.82
N414	174+21.96	54.94'RT	400,298.59	2,561,715.17	80.13
N415	174+27.96	54.94'RT	400,304.59	2,561,715.15	80.04
N416	174+27.96	49.00'RT	400,304.57	2,561,709.21	79.73
N417	174+26.21	43.00'RT	400,302.79	2,561,703.21	79.40
N418	174+26.21	37.00'RT	400,302.77	2,561,697.21	79.31



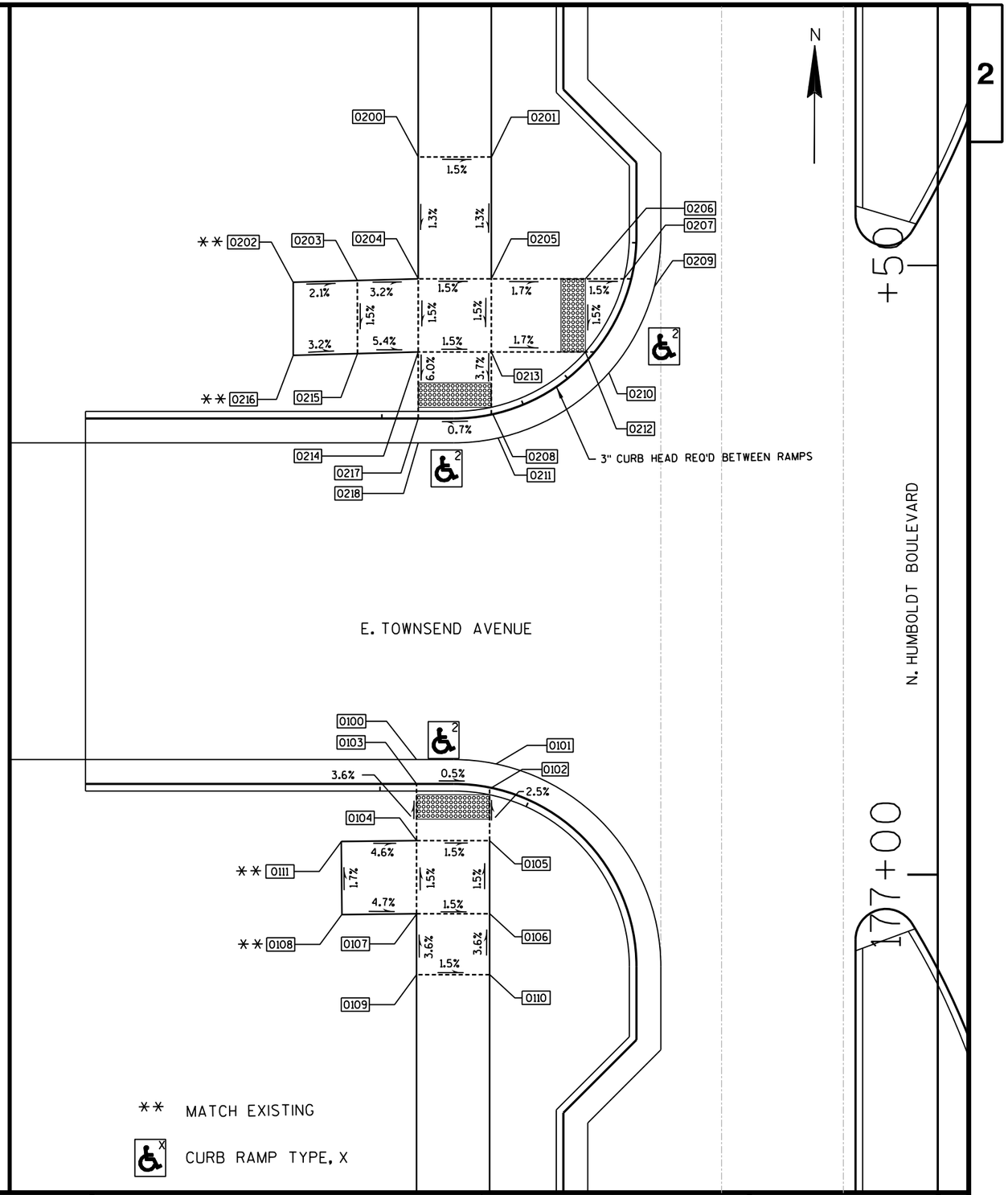
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 77	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
0200	177+58.90	42.66'LT	400,635.17	2,561,616.35	82.33
0201	177+58.90	36.66'LT	400,635.19	2,561,622.35	82.24
0202	177+48.63	52.94'LT	400,624.85	2,561,606.10	82.47
0203	177+48.77	47.67'LT	400,625.01	2,561,611.38	82.36
0204	177+48.90	42.66'LT	400,625.17	2,561,616.38	82.20
0205	177+48.90	36.66'LT	400,625.19	2,561,622.38	82.11
0206	177+48.90	28.94'LT	400,625.22	2,561,630.10	81.98
0207	177+48.90	25.78'LT	400,625.23	2,561,633.27	81.93
0208	177+37.79	36.54'LT	400,614.08	2,561,622.55	81.83
0209	177+48.27	23.27'LT	400,624.60	2,561,635.77	82.00
0210	177+41.19	27.01'LT	400,617.51	2,561,632.06	81.96
0211	177+35.84	36.11'LT	400,612.13	2,561,622.98	81.91
0212	177+42.90	28.94'LT	400,619.22	2,561,630.12	81.89
0213	177+42.90	36.66'LT	400,619.19	2,561,622.40	82.02
0214	177+42.90	42.66'LT	400,619.17	2,561,616.40	82.11
0215	177+42.76	47.66'LT	400,619.01	2,561,611.41	82.27
0216	177+42.62	52.94'LT	400,618.85	2,561,606.13	82.44
0217	177+37.44	42.66'LT	400,613.71	2,561,616.42	81.79
0218	177+35.44	42.66'LT	400,611.71	2,561,616.43	81.87

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
0100	177+09.44	42.80'LT	400,585.71	2,561,616.39	81.72
0101	177+09.08	36.27'LT	400,585.37	2,561,622.92	81.69
0102	177+07.13	36.68'LT	400,583.42	2,561,622.51	82.61
0103	177+07.44	42.80'LT	400,583.71	2,561,616.39	81.64
0104	177+02.79	42.80'LT	400,579.06	2,561,616.41	81.81
0105	177+02.79	36.80'LT	400,579.08	2,561,622.41	81.72
0106	176+96.79	36.80'LT	400,573.08	2,561,622.43	81.81
0107	176+96.79	42.80'LT	400,573.06	2,561,616.43	81.90
0108	176+96.72	48.93'LT	400,572.97	2,561,610.30	82.19
0109	176+91.79	42.80'LT	400,568.06	2,561,616.45	82.08
0110	176+91.79	36.80'LT	400,568.08	2,561,622.45	81.99
0111	177+02.72	48.99'LT	400,578.97	2,561,610.22	82.09

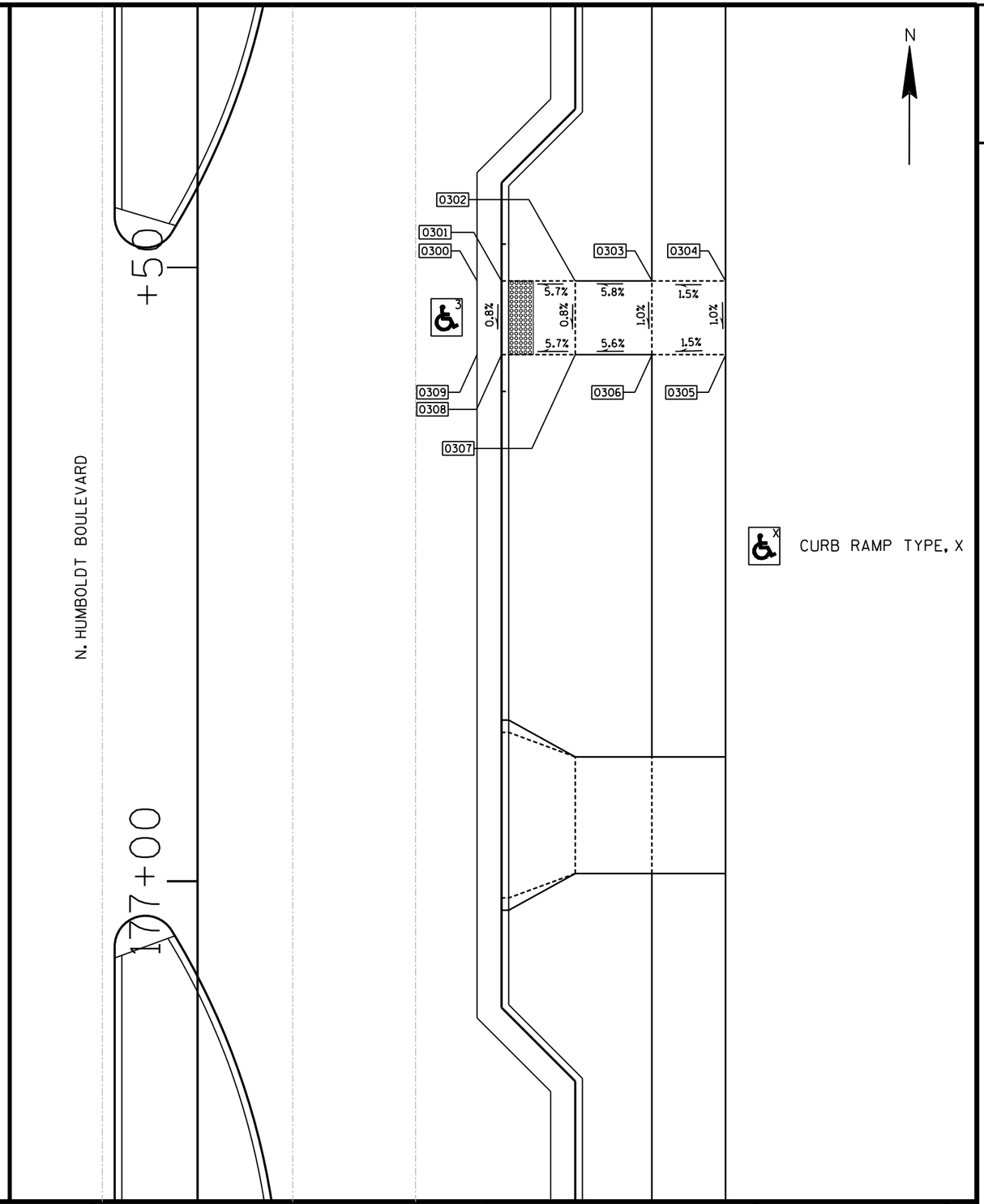


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 78	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
0300	177+48.90	22.75 'RT	400,625.40	2,561,681.79	81.68
0301	177+48.90	24.75 'RT	400,625.41	2,561,683.79	81.60
0302	177+48.90	30.75 'RT	400,625.43	2,561,689.79	81.94
0303	177+48.90	37.00 'RT	400,625.46	2,561,696.04	82.30
0304	177+48.90	43.00 'RT	400,625.48	2,561,702.04	82.39
0305	177+42.90	43.00 'RT	400,619.48	2,561,702.06	82.33
0306	177+42.90	37.00 'RT	400,619.46	2,561,696.06	82.24
0307	177+42.90	30.75 'RT	400,619.43	2,561,689.81	81.89
0308	177+42.90	24.75 'RT	400,619.41	2,561,683.81	81.55
0309	177+42.90	22.75 'RT	400,619.40	2,561,681.81	81.63

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
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3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\021330_cr.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
P200	185+87.98	37.66'LT	401,464.26	2,561,618.34	88.32
P201	185+87.98	43.66'LT	401,464.24	2,561,612.34	88.41
P202	185+81.44	37.66'LT	401,457.72	2,561,618.36	88.37
P203	185+81.44	43.66'LT	401,457.70	2,561,612.36	88.46
P204	185+74.91	37.66'LT	401,451.18	2,561,618.38	88.34
P205	185+74.85	43.66'LT	401,451.11	2,561,612.38	88.43
P206	185+72.59	43.66'LT	401,448.85	2,561,612.39	88.44
P207	185+72.59	44.75'LT	401,448.84	2,561,611.30	88.51
P208	185+75.81	48.39'LT	401,452.05	2,561,607.65	88.90
P209	185+73.28	50.06'LT	401,449.51	2,561,605.99	88.74
P210	185+70.81	47.27'LT	401,447.06	2,561,608.79	88.58
P211	185+68.81	47.24'LT	401,445.06	2,561,608.82	88.50
P212	185+74.94	34.32'LT	401,451.23	2,561,621.72	88.15
P213	185+74.96	32.25'LT	401,451.26	2,561,623.79	88.12
P214	185+74.60	29.69'LT	401,450.91	2,561,626.35	88.19
P215	185+68.94	34.27'LT	401,445.23	2,561,621.80	88.16
P216	185+67.68	32.01'LT	401,443.98	2,561,624.06	88.23
P217	185+68.90	37.66'LT	401,445.18	2,561,618.40	88.37
P218	185+68.85	43.66'LT	401,445.10	2,561,612.41	88.46
P219	185+68.79	49.66'LT	401,445.03	2,561,606.41	88.52
P220	185+68.75	54.09'LT	401,444.97	2,561,601.98	88.50
P221	185+63.75	54.04'LT	401,439.97	2,561,602.04	88.57
P222	185+63.79	49.66'LT	401,440.03	2,561,606.42	88.45
P223	185+63.85	43.66'LT	401,440.11	2,561,612.42	88.39
P224	185+63.90	38.48'LT	401,440.17	2,561,617.61	88.41
P225	185+64.61	37.66'LT	401,440.89	2,561,618.42	88.40
P226	185+60.97	43.66'LT	401,437.23	2,561,612.43	88.24
P227	185+58.54	43.46'LT	401,434.80	2,561,613.31	88.31
P228	185+57.38	42.79'LT	401,433.62	2,561,606.48	88.33
P229	185+59.96	49.62'LT	401,436.20	2,561,606.44	88.26
P230	185+60.97	49.66'LT	401,437.21	2,561,606.43	88.27

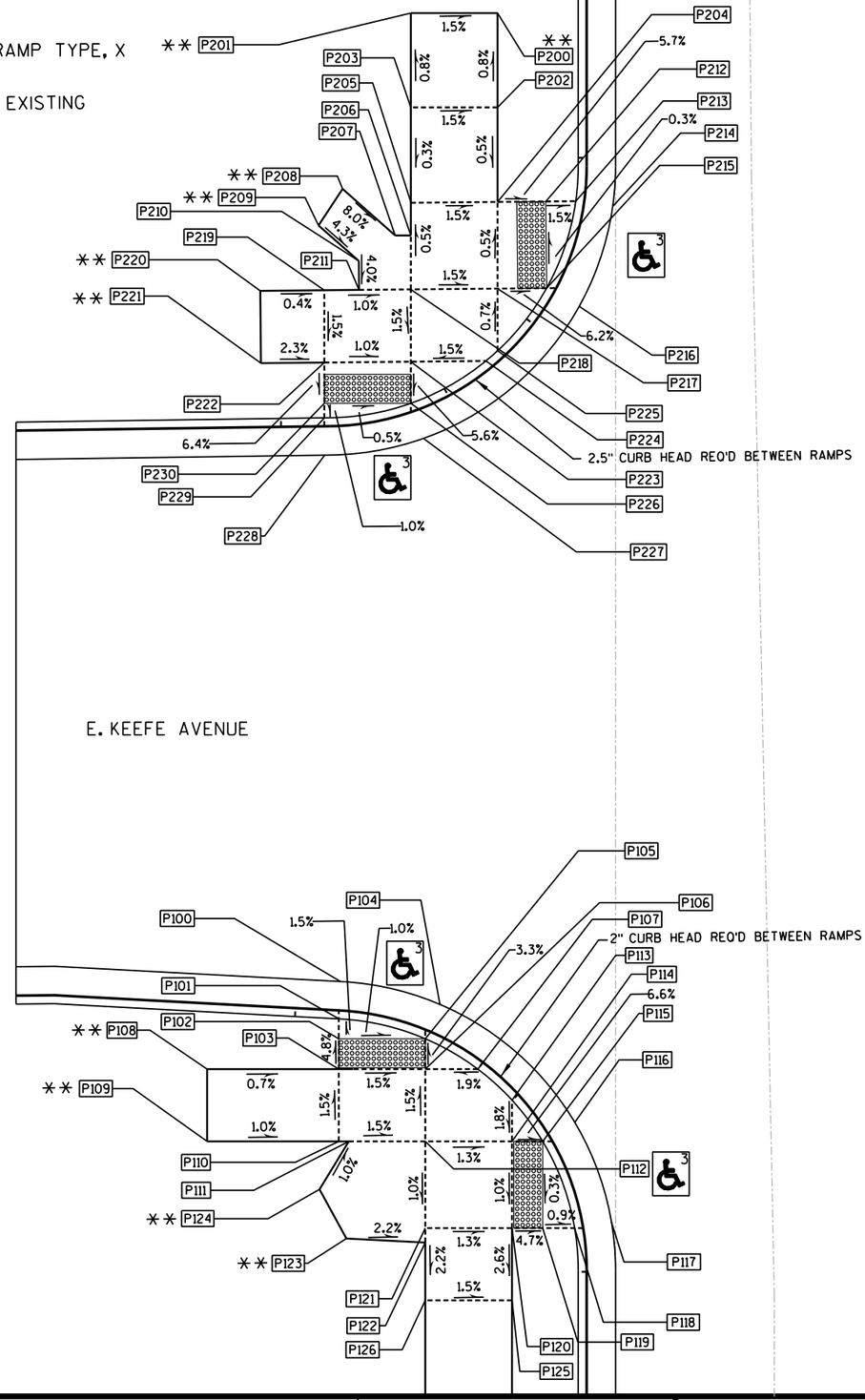
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
P100	185+20.95	48.52'LT	401,397.19	2,561,607.72	88.32
P101	185+18.37	48.66'LT	401,394.61	2,561,607.59	88.25
P102	185+16.99	48.66'LT	401,393.23	2,561,607.59	88.27
P103	185+14.89	48.66'LT	401,391.13	2,561,607.60	88.37
P104	185+19.36	41.65'LT	401,395.63	2,561,614.60	88.28
P105	185+16.99	42.66'LT	401,393.25	2,561,613.59	88.21
P106	185+14.89	42.66'LT	401,391.15	2,561,613.60	88.28
P107	185+14.89	39.03'LT	401,391.16	2,561,617.23	88.35
P108	185+14.89	57.77'LT	401,391.09	2,561,598.49	88.43
P109	185+09.89	57.77'LT	401,386.09	2,561,598.51	88.53
P110	185+09.89	48.66'LT	401,386.13	2,561,607.62	88.44
P111	185+09.89	47.95'LT	401,386.13	2,561,608.33	88.43
P112	185+09.89	42.66'LT	401,386.15	2,561,613.62	88.35
P113	185+12.74	36.66'LT	401,389.02	2,561,619.61	88.32
P114	185+09.89	36.66'LT	401,386.17	2,561,619.62	88.27
P115	185+09.89	34.54'LT	401,386.18	2,561,621.74	88.13
P116	185+11.21	32.32'LT	401,387.51	2,561,623.95	88.20
P117	185+04.32	29.78'LT	401,380.63	2,561,626.52	88.16
P118	185+03.89	32.33'LT	401,380.18	2,561,623.97	88.09
P119	185+03.89	34.54'LT	401,380.18	2,561,621.76	88.11
P120	185+03.89	36.66'LT	401,380.17	2,561,619.64	88.21
P121	185+03.89	42.66'LT	401,380.15	2,561,613.64	88.29
P122	185+02.89	42.66'LT	401,379.15	2,561,613.64	88.27
P123	185+03.16	48.13'LT	401,379.40	2,561,608.17	88.39
P124	185+06.56	49.99'LT	401,382.79	2,561,606.30	88.47
P125	184+98.89	36.66'LT	401,375.17	2,561,619.66	88.09
P126	184+98.89	42.66'LT	401,375.15	2,561,613.66	88.18

CURB RAMP TYPE, X

** MATCH EXISTING

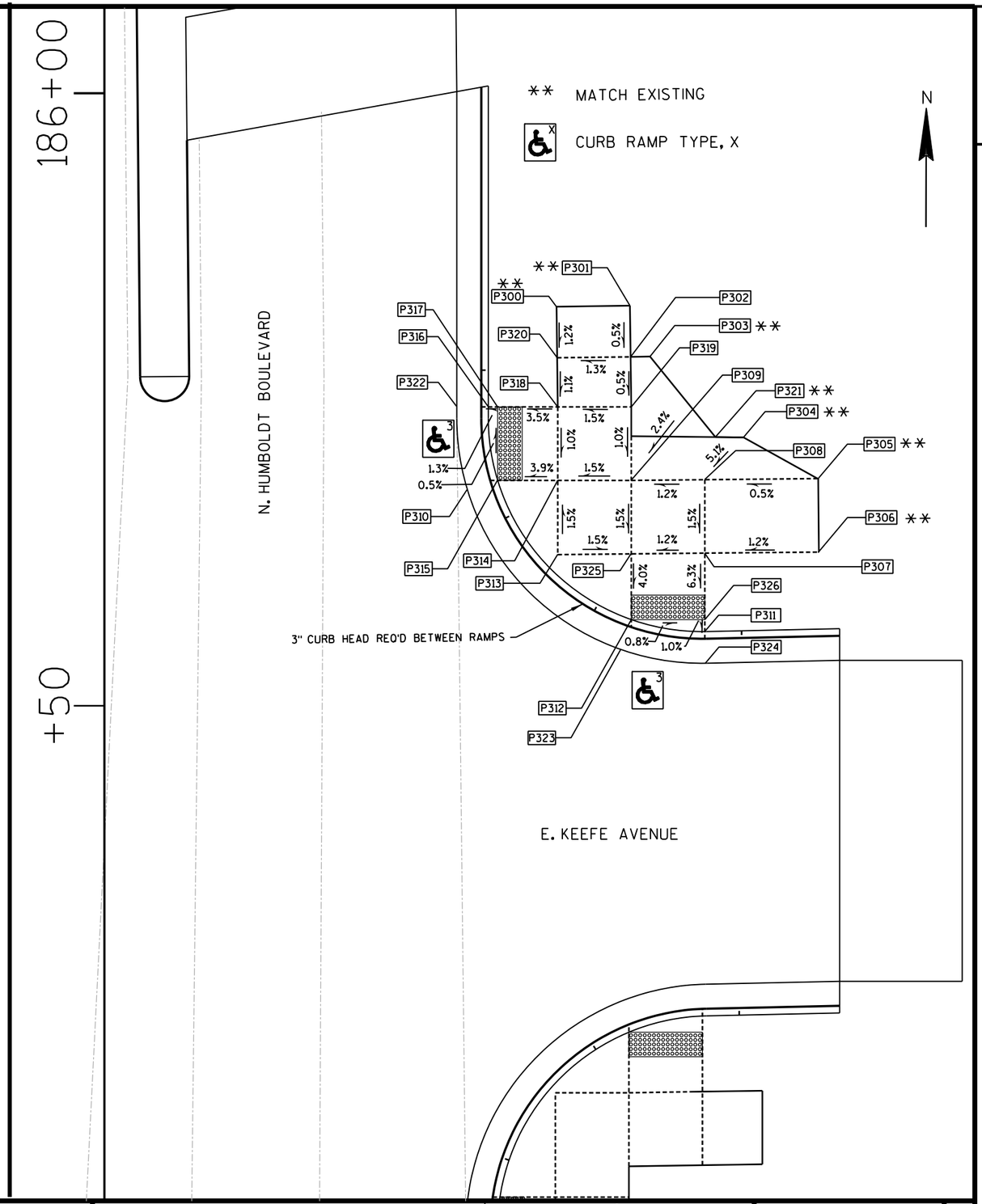


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 80	E

POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
P300	185+82.65	37.00'RT	401,459.20	2,561,693.01	88.72
P301	185+82.65	42.89'RT	401,459.22	2,561,698.91	88.76
P302	185+78.48	42.95'RT	401,455.05	2,561,698.98	88.74
P303	185+78.50	44.53'RT	401,455.08	2,561,700.56	88.82
P304	185+71.90	52.15'RT	401,448.51	2,561,708.20	88.97
P305	185+68.54	58.25'RT	401,445.16	2,561,714.32	88.78
P306	185+62.54	58.31'RT	401,439.16	2,561,714.39	88.75
P307	185+62.45	49.00'RT	401,439.04	2,561,705.09	88.64
P308	185+68.45	49.00'RT	401,445.04	2,561,705.07	88.73
P309	185+68.39	43.00'RT	401,444.96	2,561,699.07	88.66
P310	185+67.64	29.62'RT	401,444.16	2,561,685.69	88.45
P311	185+56.05	49.00'RT	401,432.65	2,561,705.11	88.29
P312	185+57.03	43.00'RT	401,433.60	2,561,699.11	88.35
P313	185+62.34	37.00'RT	401,438.89	2,561,693.09	88.66
P314	185+68.39	37.00'RT	401,444.94	2,561,693.07	88.57
P315	185+68.39	32.09'RT	401,444.93	2,561,688.16	88.38
P316	185+74.39	31.33'RT	401,450.92	2,561,687.38	88.34
P317	185+74.39	32.09'RT	401,450.93	2,561,688.13	88.35
P318	185+74.39	37.00'RT	401,450.94	2,561,693.04	88.63
P319	185+74.39	43.00'RT	401,450.96	2,561,699.04	88.72
P320	185+78.40	36.95'RT	401,454.95	2,561,692.98	88.67
P321	185+71.92	49.86'RT	401,448.52	2,561,705.91	88.87
P322	185+74.39	28.75'RT	401,450.91	2,561,684.79	88.41
P323	185+54.59	42.15'RT	401,431.16	2,561,698.26	88.42
P324	185+53.47	49.04'RT	401,430.06	2,561,705.16	88.36
P325	185+62.39	43.00'RT	401,438.96	2,561,699.09	88.57
P326	185+57.03	49.00'RT	401,433.62	2,561,705.11	88.30

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.



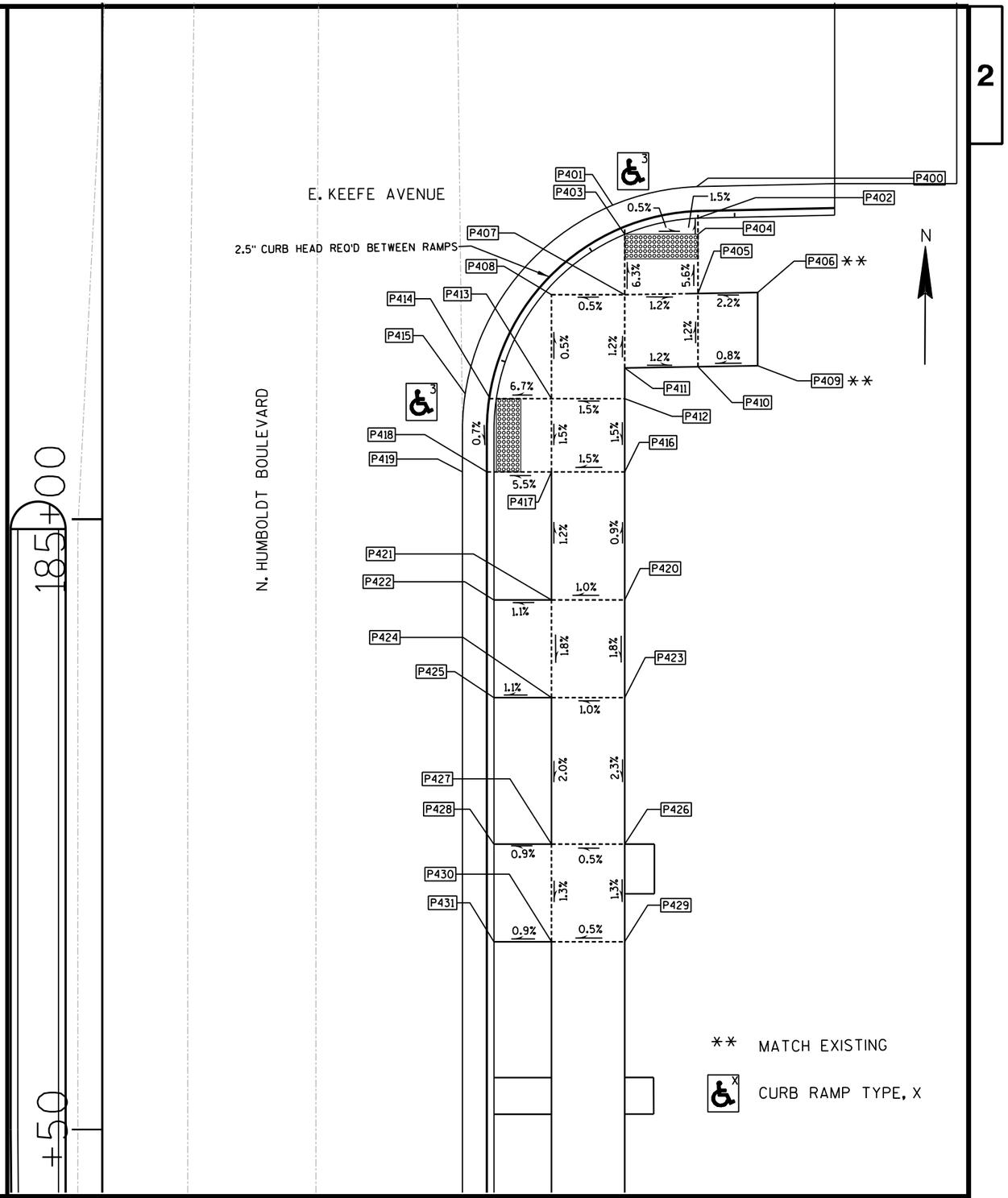
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET	E

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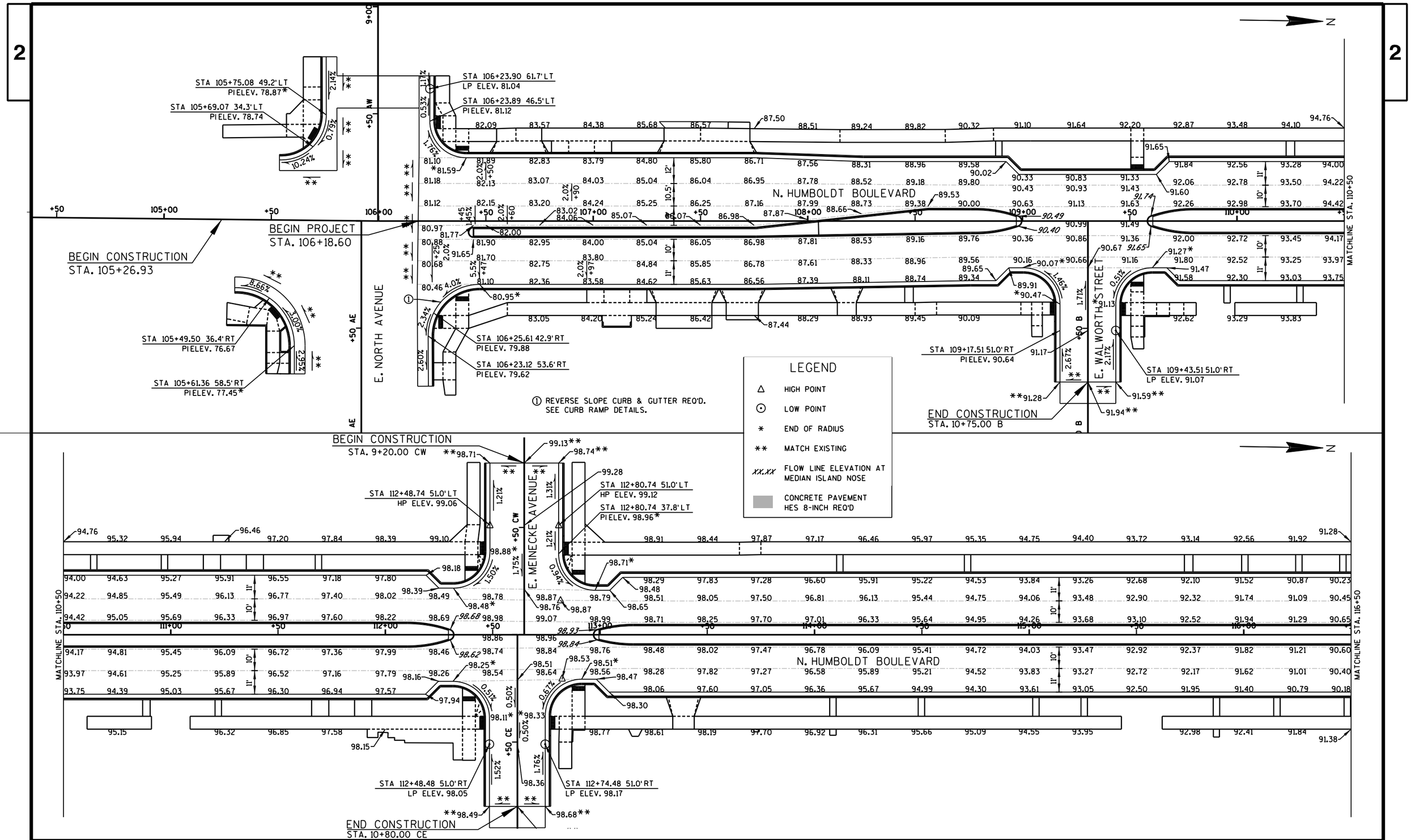
POINT NO.	STATION AND OFFSET TABLE				
	STATION	OFFSET	Y	X	ELEV.
P400	185+27.26	48.70'RT	401,403.85	2,561,704.91	88.31
P401	185+25.73	41.81'RT	401,402.30	2,561,698.03	88.37
P402	185+24.67	48.80'RT	401,401.27	2,561,705.02	88.24
P403	185+23.35	42.80'RT	401,399.92	2,561,699.03	88.30
P404	185+23.35	48.80'RT	401,399.94	2,561,705.03	88.26
P405	185+18.50	48.80'RT	401,395.09	2,561,705.05	88.53
P406	185+18.57	53.69'RT	401,395.19	2,561,709.94	88.64
P407	185+18.40	42.80'RT	401,394.97	2,561,699.05	88.60
P408	185+18.40	36.80'RT	401,394.95	2,561,693.05	88.57
P409	185+12.57	53.69'RT	401,389.18	2,561,709.96	88.64
P410	185+12.50	48.80'RT	401,389.09	2,561,705.07	88.60
P411	185+12.40	42.80'RT	401,388.97	2,561,699.07	88.67
P412	185+09.89	42.80'RT	401,386.46	2,561,699.08	88.70
P413	185+09.89	36.80'RT	401,386.44	2,561,693.08	88.61
P414	185+09.98	31.70'RT	401,386.51	2,561,687.98	88.27
P415	185+10.28	29.73'RT	401,386.80	2,561,686.00	88.35
P416	185+03.89	42.80'RT	401,380.46	2,561,699.10	88.61
P417	185+03.89	36.80'RT	401,380.44	2,561,693.10	88.52
P418	185+03.89	31.50'RT	401,380.42	2,561,687.80	88.23
P419	185+03.89	29.50'RT	401,380.41	2,561,685.80	88.31
P420	184+93.38	42.80'RT	401,369.95	2,561,699.14	88.70
P421	184+93.39	36.80'RT	401,369.94	2,561,693.14	88.64
P422	184+93.39	32.08'RT	401,369.92	2,561,688.42	88.59
P423	184+85.39	42.80'RT	401,361.96	2,561,699.17	88.56
P424	184+85.39	36.80'RT	401,361.94	2,561,693.17	88.50
P425	184+85.39	32.08'RT	401,361.92	2,561,688.45	88.45
P426	184+73.39	42.80'RT	401,349.96	2,561,699.21	88.29
P427	184+73.39	36.80'RT	401,349.94	2,561,693.21	88.26
P428	184+73.39	32.08'RT	401,349.92	2,561,688.49	88.22
P429	184+65.38	42.80'RT	401,341.95	2,561,699.24	88.19
P430	184+65.39	36.80'RT	401,341.94	2,561,693.24	88.16
P431	184+65.39	32.08'RT	401,341.92	2,561,688.52	88.12

NOTES:

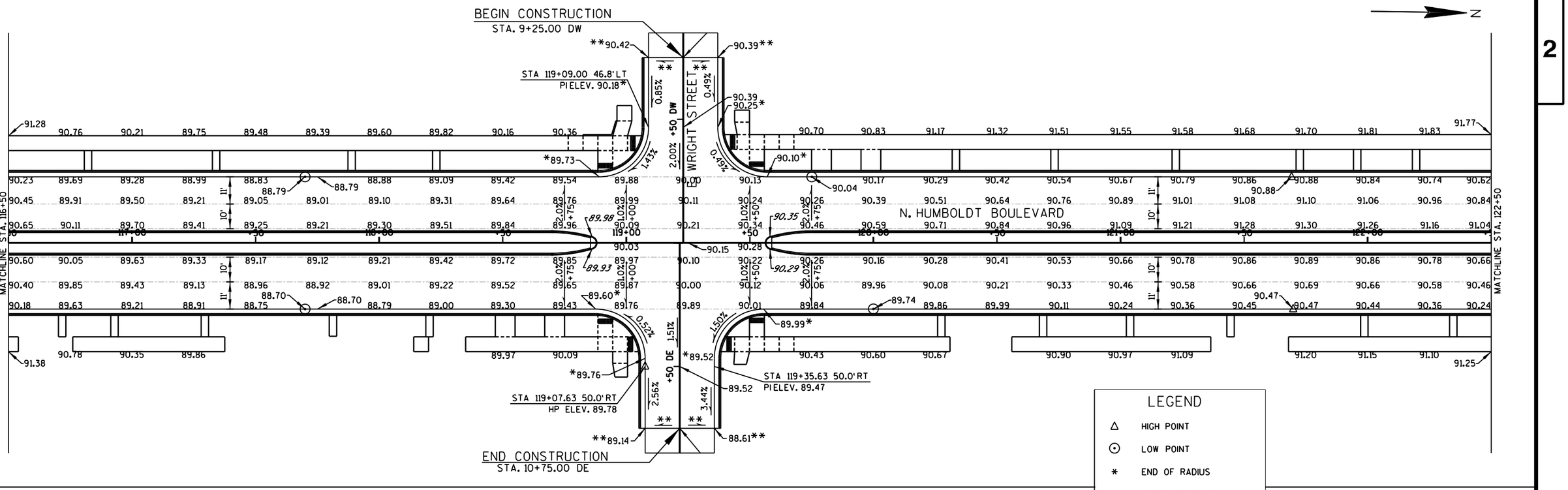
1. CONTRACTOR TO FIELD VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP CONSTRUCTION.
2. THE ENGINEER MAY ADJUST CURB RAMP ELEVATIONS TO FIT FIELD CONDITIONS WITHIN THE REQUIREMENTS OF THE STANDARD DETAILS.
3. DASHED SIDEWALK JOINT LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT INDICATE EXACT JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
5. ALL STATION AND OFFSET INFORMATION REFERENCES THE MAINLINE ALIGNMENT UNLESS OTHERWISE SPECIFIED.

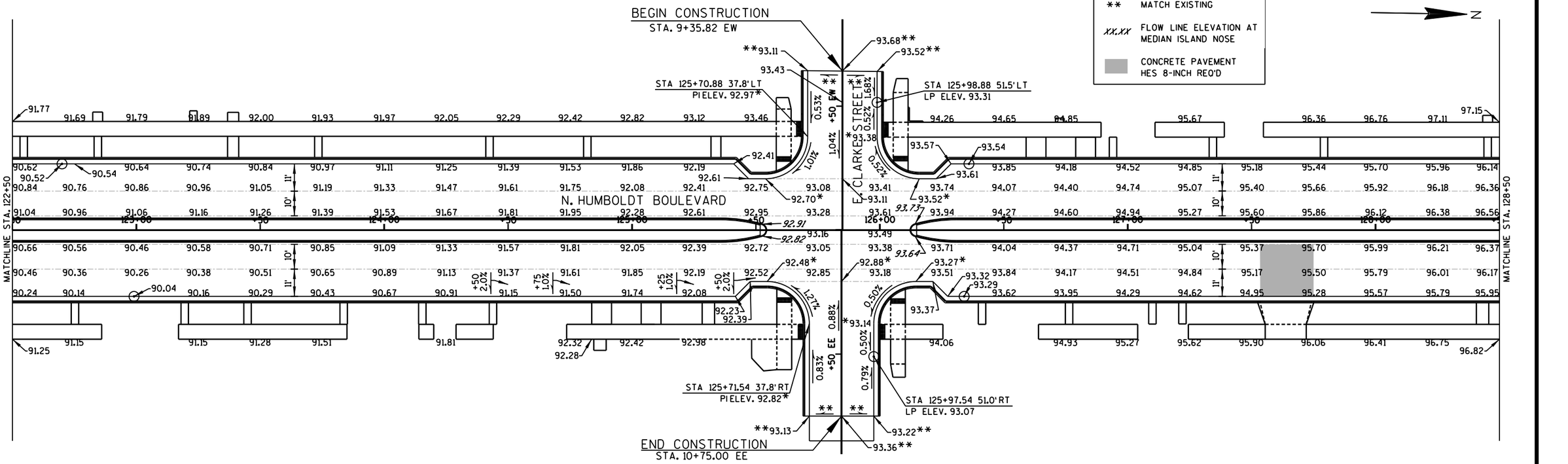


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SCALE, FEET 0 5 10	SHEET 82	E

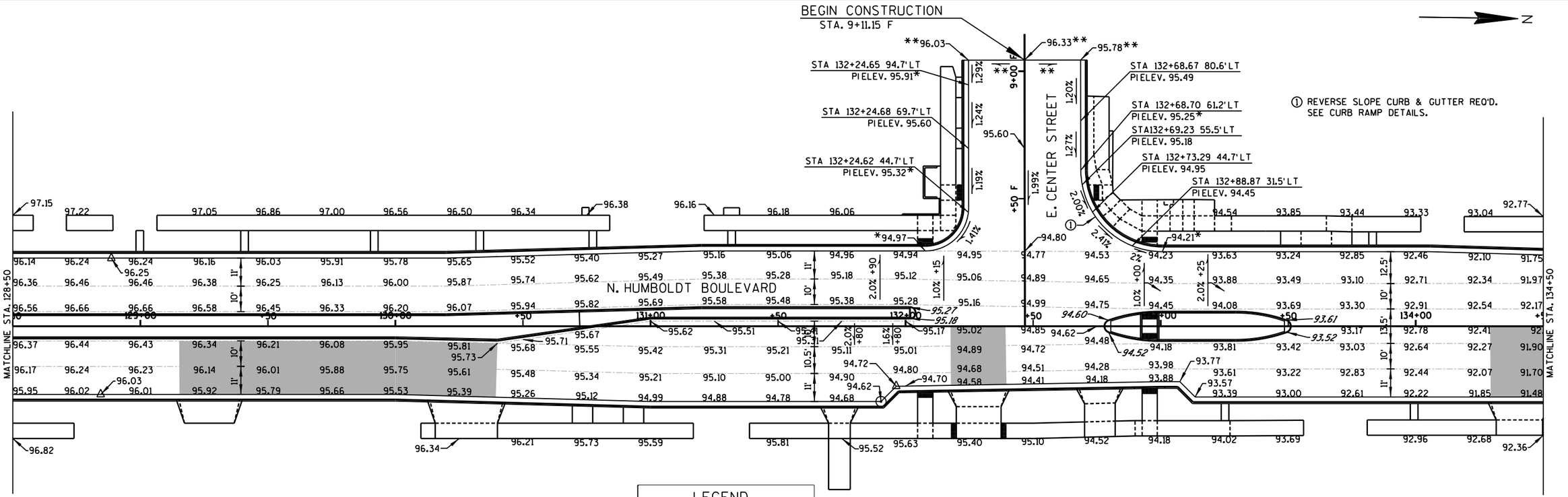


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVING GRADES	SCALE, FEET 0 20 40	SHEET 83	E





PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVING GRADES	SCALE, FEET 0 20 40	SHEET 84	E



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVING GRADES	SCALE, FEET 0 20 40	SHEET 85 E

2

N

N. HUMBOLDT BOULEVARD

E. LOCUST STREET

MATCHLINE STA. 140+50

MATCHLINE STA. 146+50

LEGEND

- △ HIGH POINT
- ⊙ LOW POINT
- * END OF RADIUS
- ** MATCH EXISTING
- XX.XX FLOW LINE ELEVATION AT MEDIAN ISLAND NOSE
- CONCRETE PAVEMENT HES 8-INCH REQ'D

N

BEGIN CONSTRUCTION
STA. 9+30.00 I

STA 152+17.08 50.0' LT
PI ELEV. 86.28

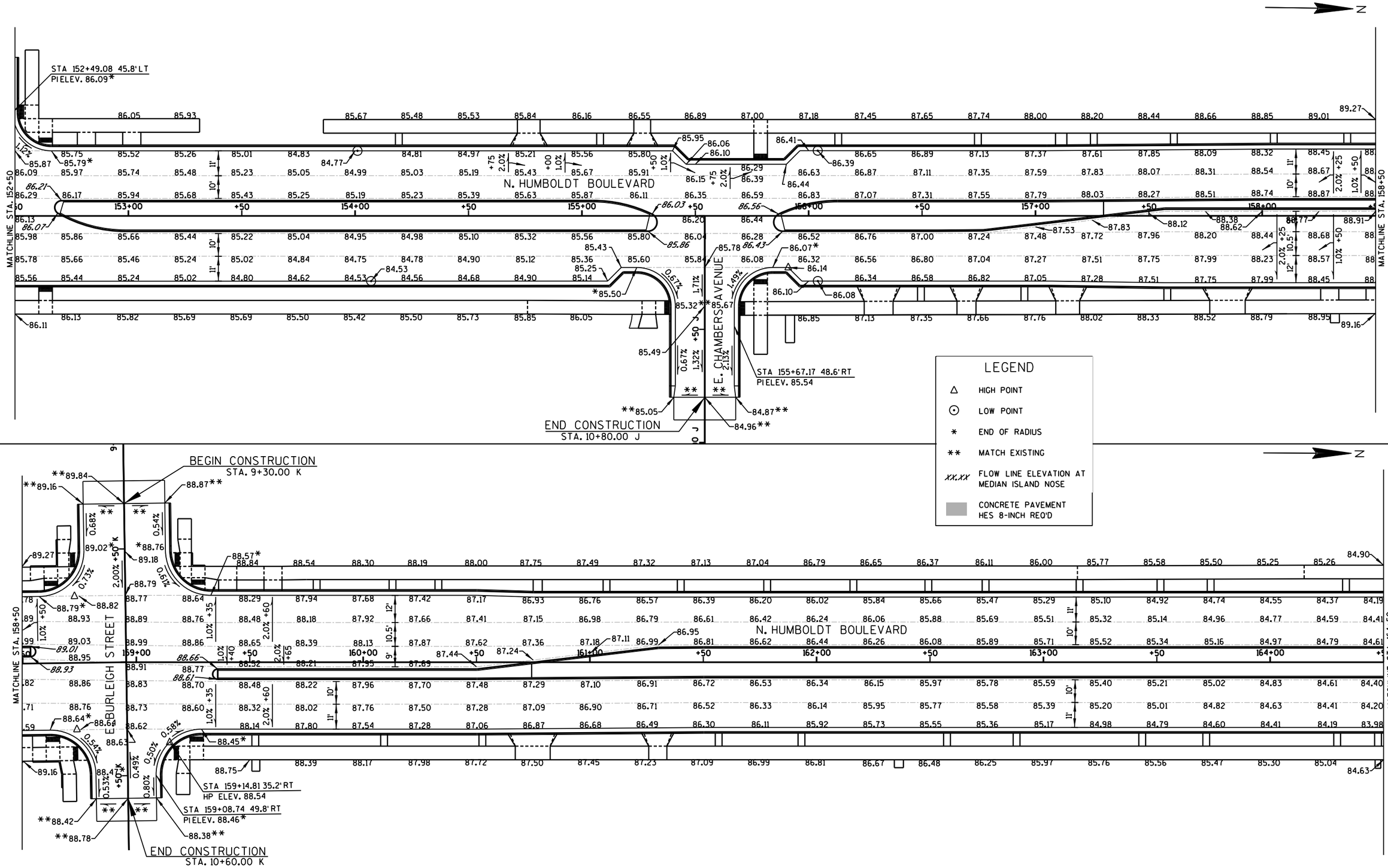
N. HUMBOLDT BOULEVARD

E. CHAMBERS AVENUE

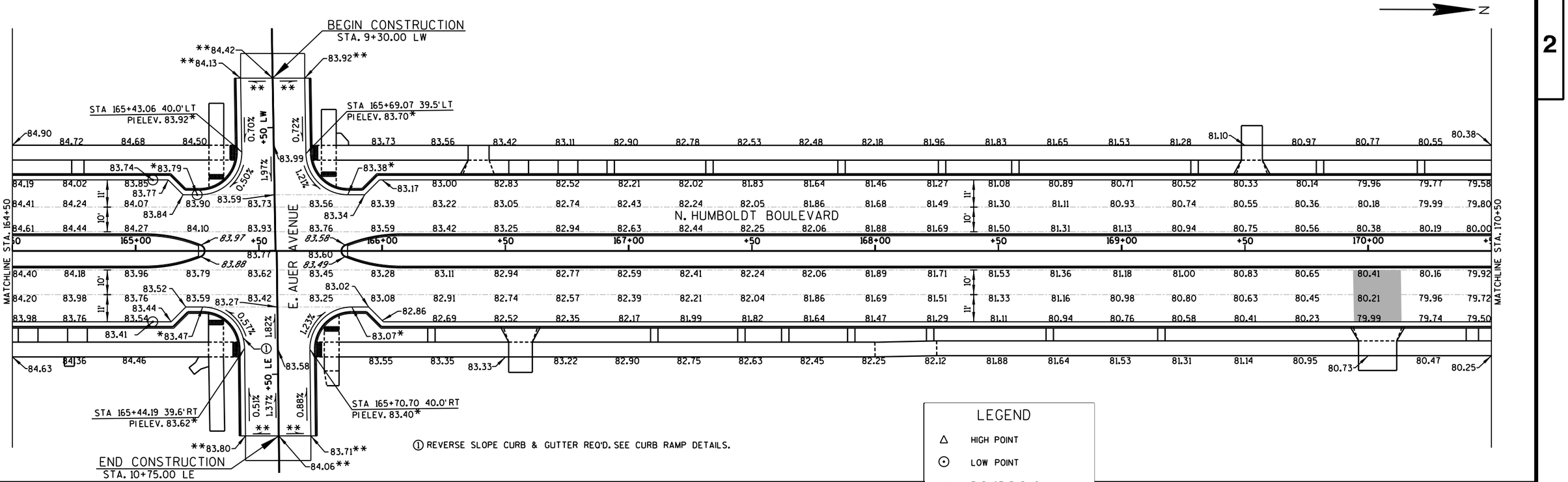
MATCHLINE STA. 146+50

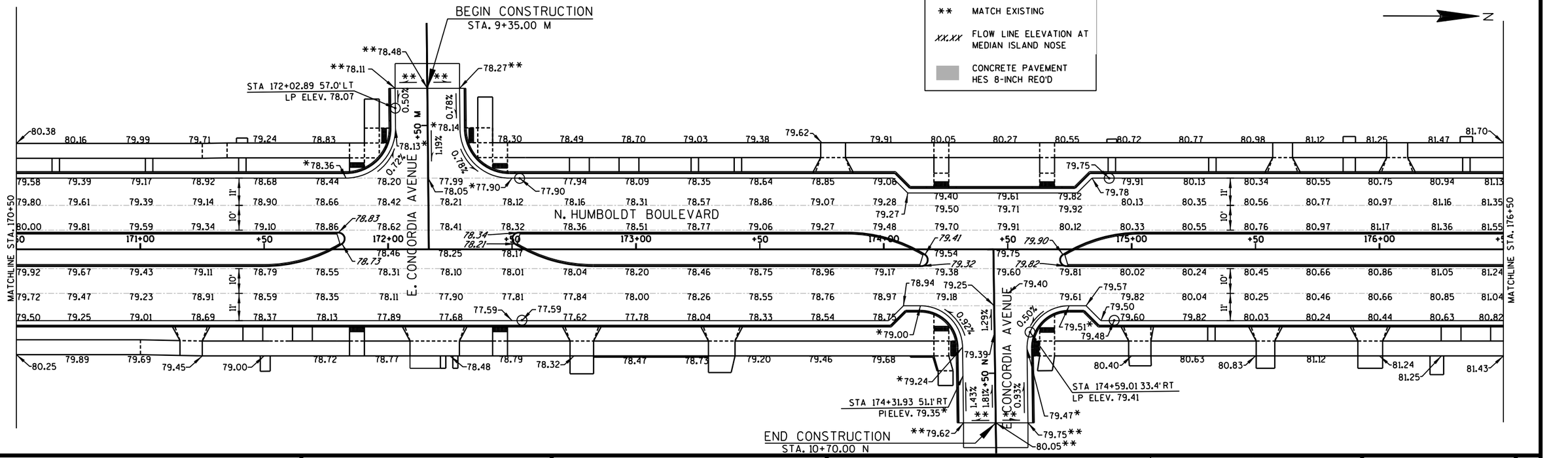
MATCHLINE STA. 152+50

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVING GRADES	SCALE, FEET 0 20 40	SHEET 86	E



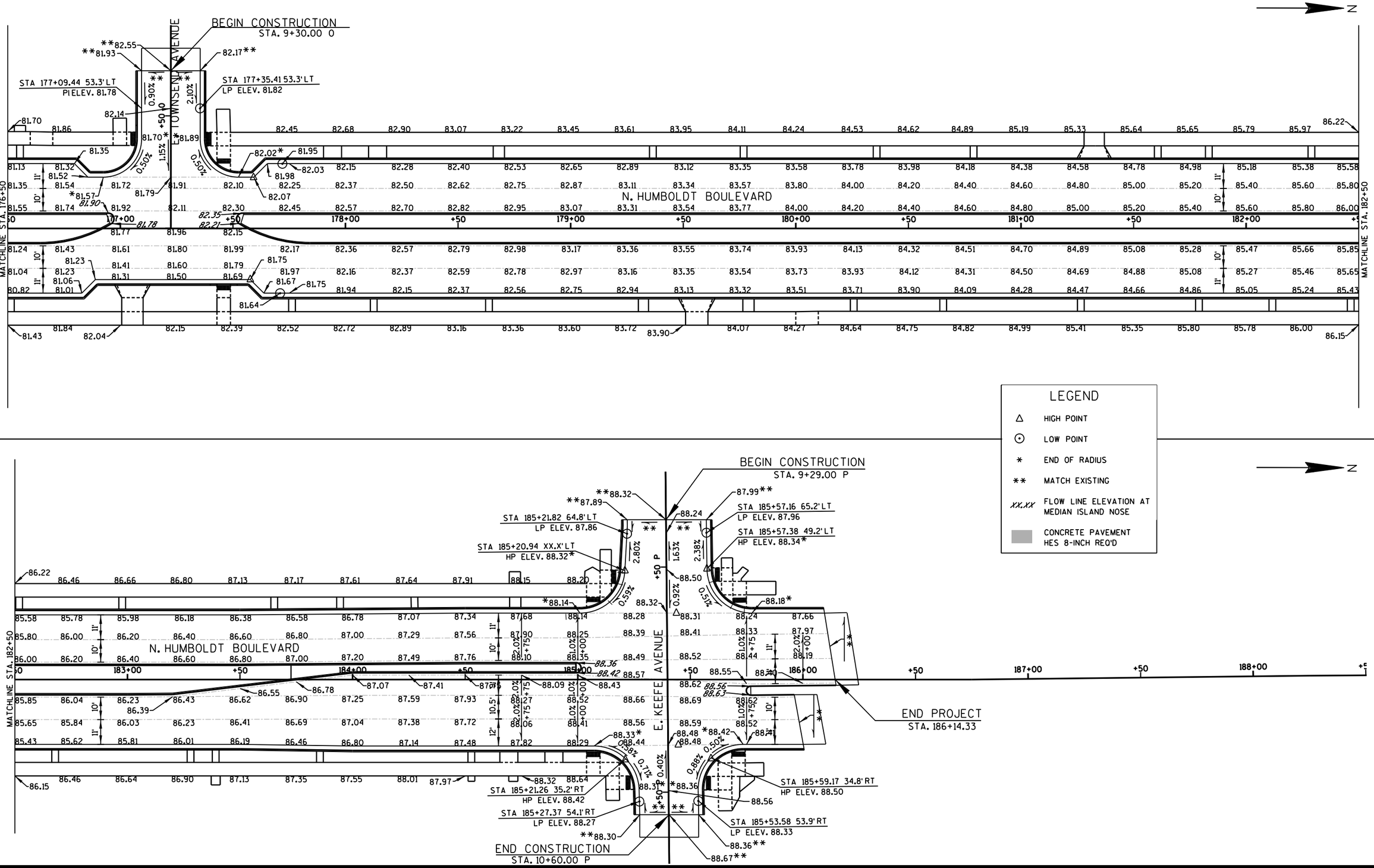
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVING GRADES	SCALE, FEET 0 20 40	SHEET 87	E





PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVING GRADES	SCALE, FEET 0 20 40	SHEET 88	E

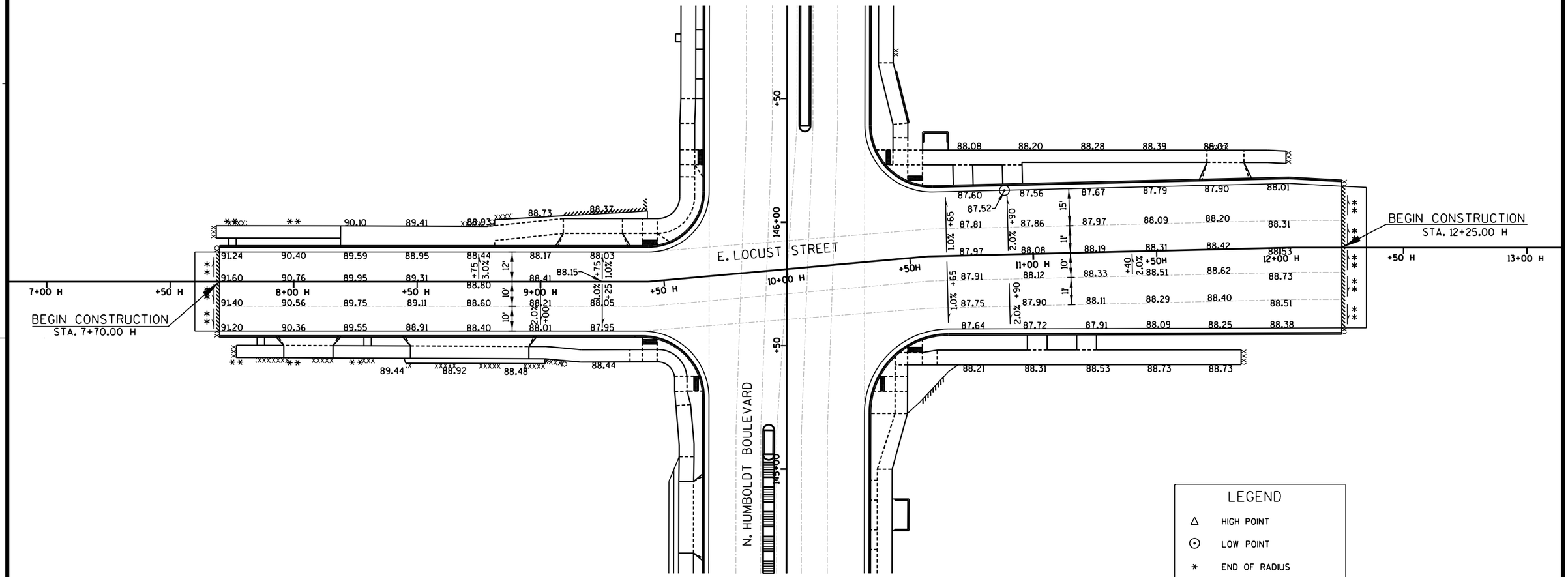
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PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVING GRADES	SCALE, FEET 0 20 40	SHEET 89	E

2

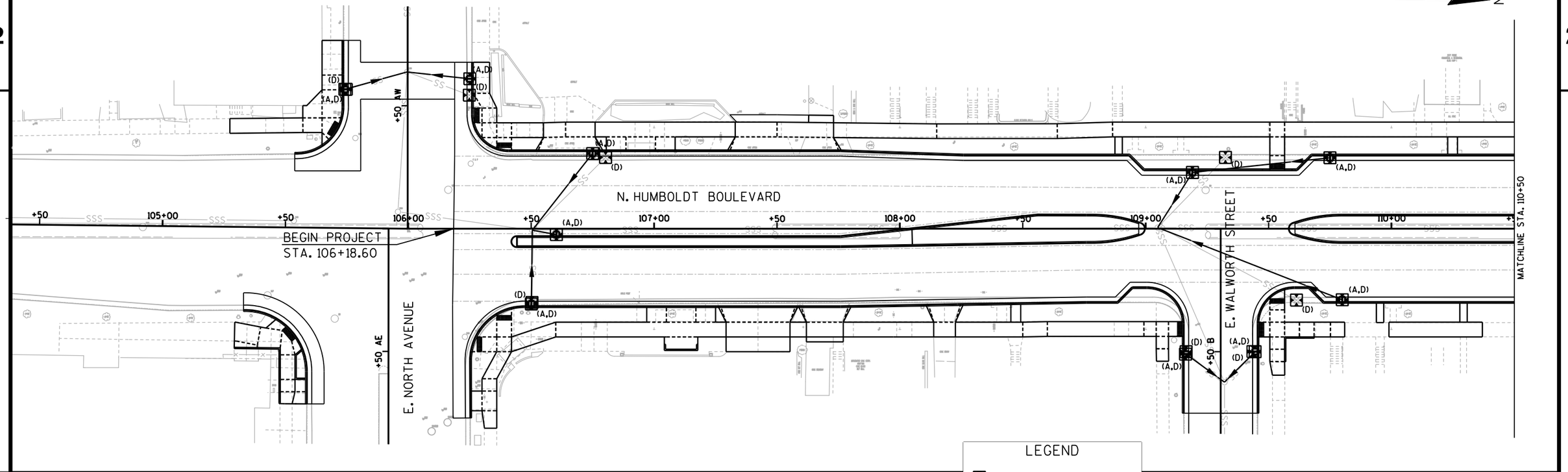
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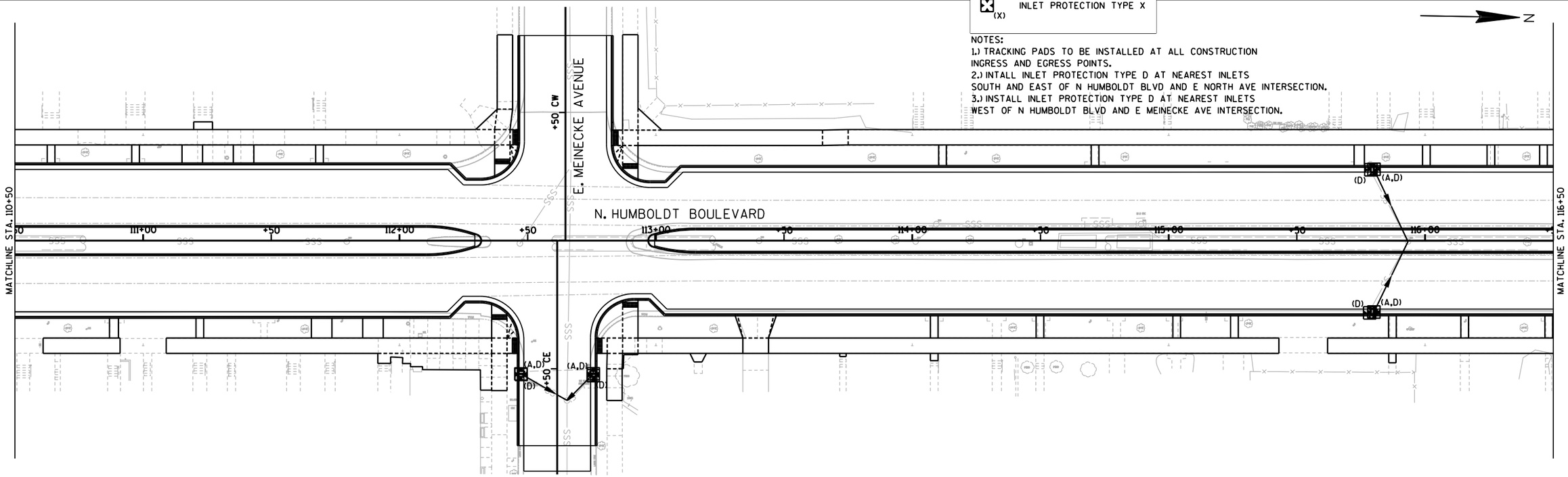


LEGEND

△	HIGH POINT
⊙	LOW POINT
*	END OF RADIUS
**	MATCH EXISTING
xx.xx	FLOW LINE ELEVATION AT MEDIAN ISLAND NOSE
	CONCRETE PAVEMENT HES 8-INCH REO'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVING GRADES	SCALE, FEET 0 20 40	SHEET 90	E



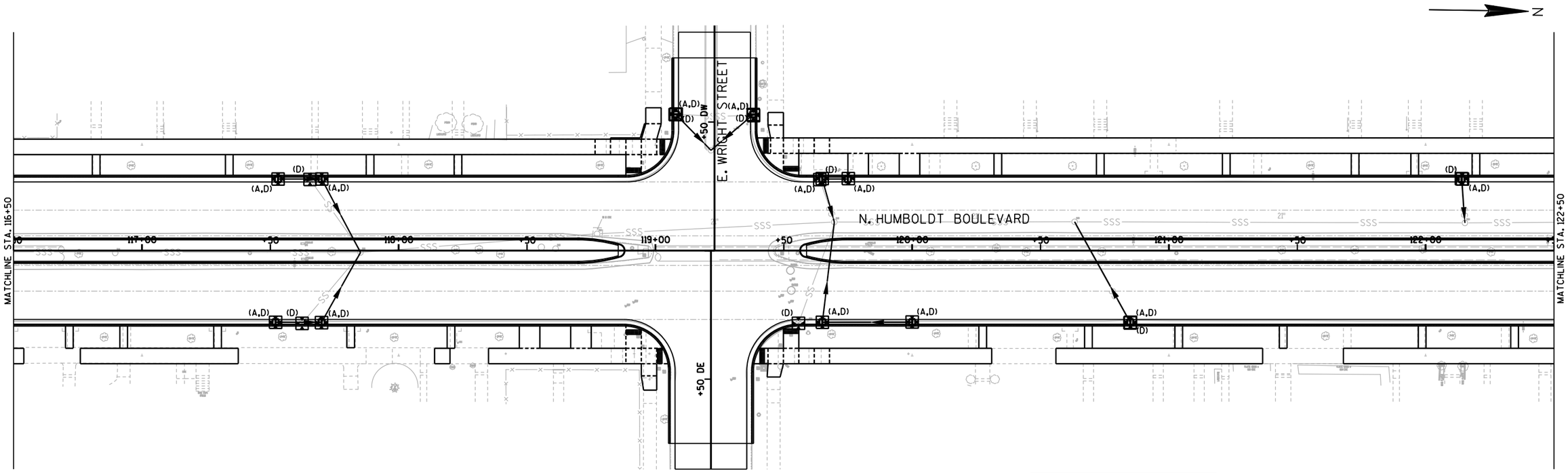


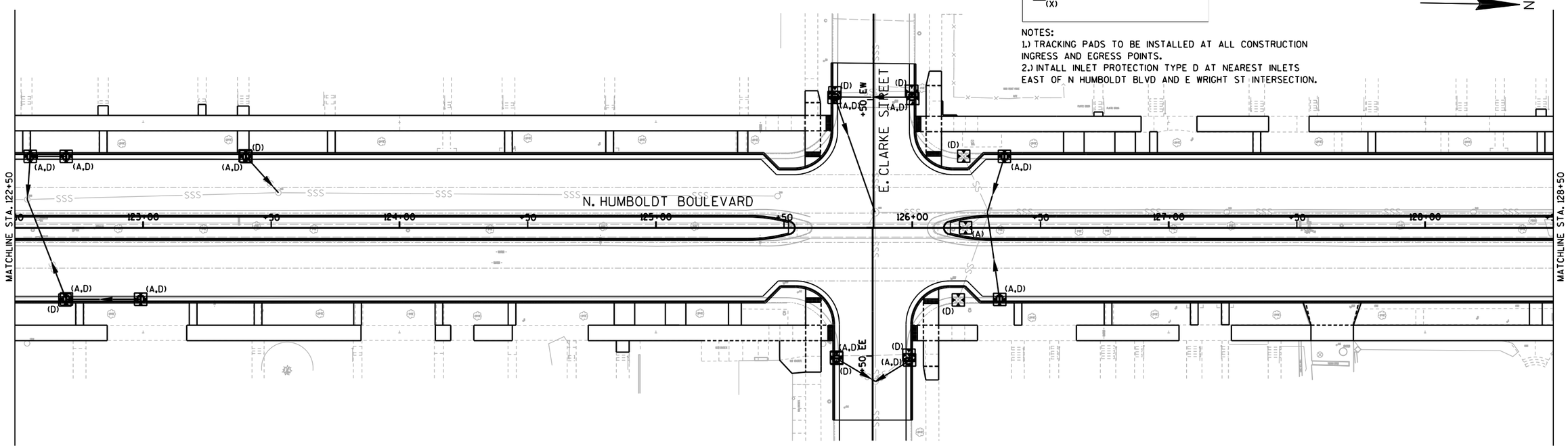
LEGEND

(X) INLET PROTECTION TYPE X

NOTES:
1.) TRACKING PADS TO BE INSTALLED AT ALL CONSTRUCTION INGRESS AND EGRESS POINTS.
2.) INTALL INLET PROTECTION TYPE D AT NEAREST INLETS SOUTH AND EAST OF N HUMBOLDT BLVD AND E NORTH AVE INTERSECTION.
3.) INSTALL INLET PROTECTION TYPE D AT NEAREST INLETS WEST OF N HUMBOLDT BLVD AND E MEINECKE AVE INTERSECTION.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EROSION CONTROL	SCALE, FEET 0 20 40	SHEET 91	E





LEGEND

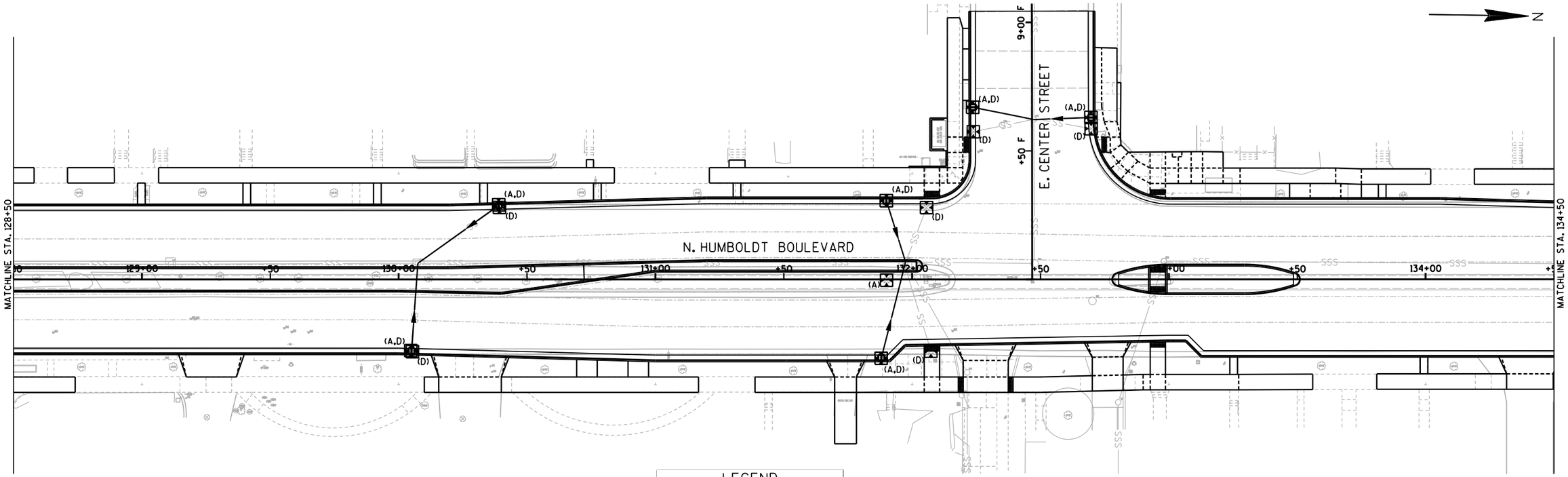
(X) INLET PROTECTION TYPE X

NOTES:
1.) TRACKING PADS TO BE INSTALLED AT ALL CONSTRUCTION INGRESS AND EGRESS POINTS.
2.) INTALL INLET PROTECTION TYPE D AT NEAREST INLETS EAST OF N HUMBOLDT BLVD AND E WRIGHT ST INTERSECTION.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EROSION CONTROL	SCALE, FEET 0 20 40	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022002_ec.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

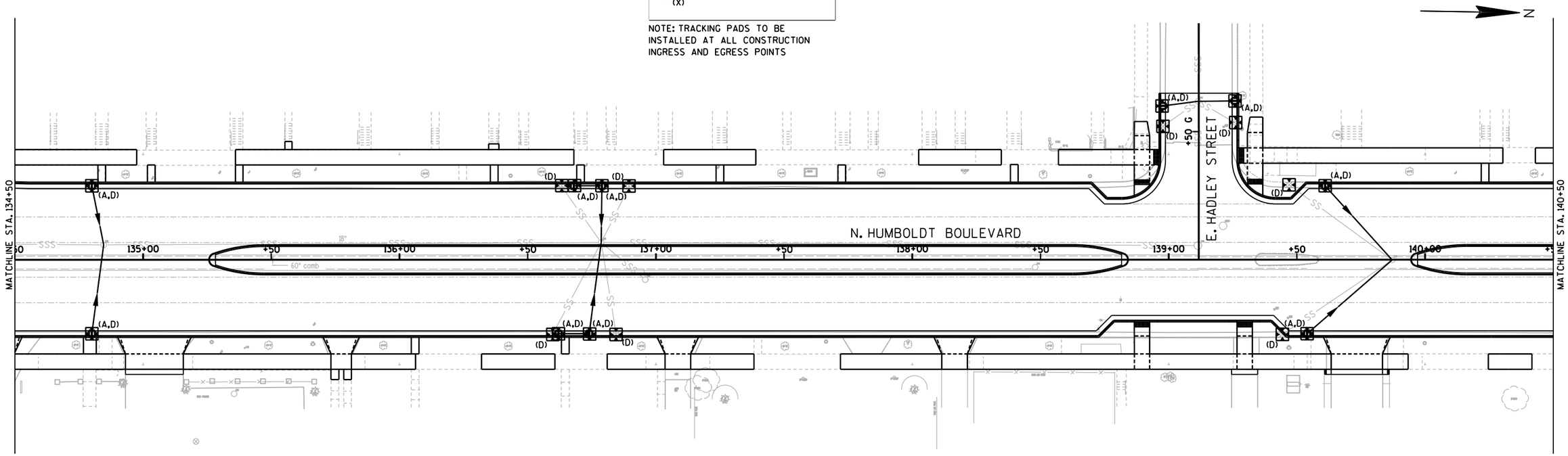
WISDOT/CADDS SHEET 42

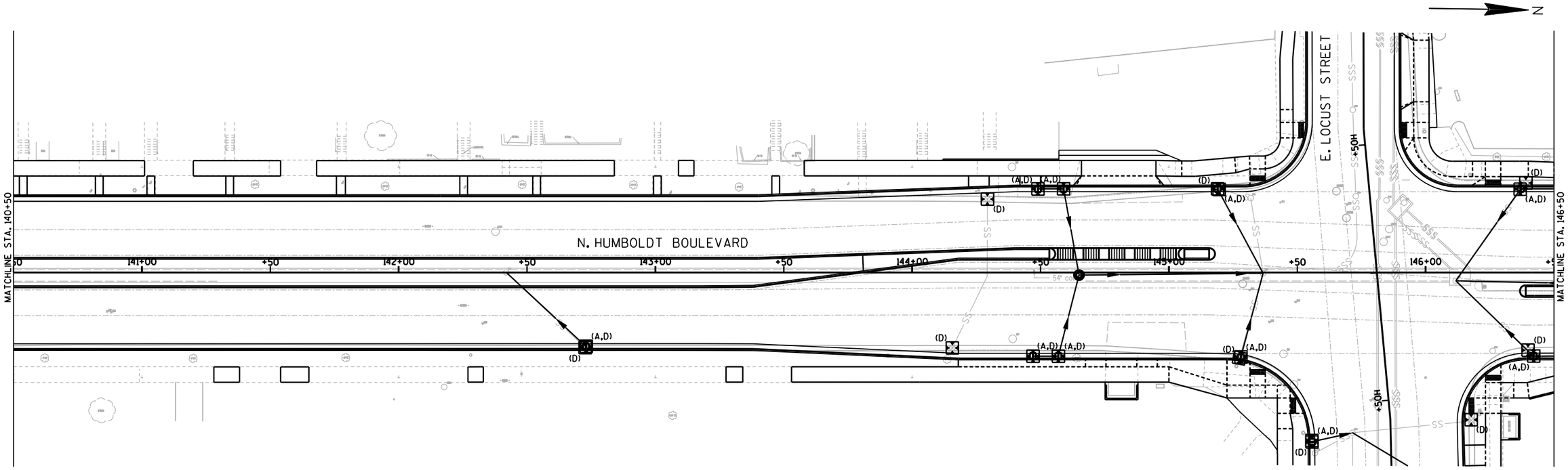


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(X) INLET PROTECTION TYPE X

NOTE: TRACKING PADS TO BE INSTALLED AT ALL CONSTRUCTION INGRESS AND EGRESS POINTS

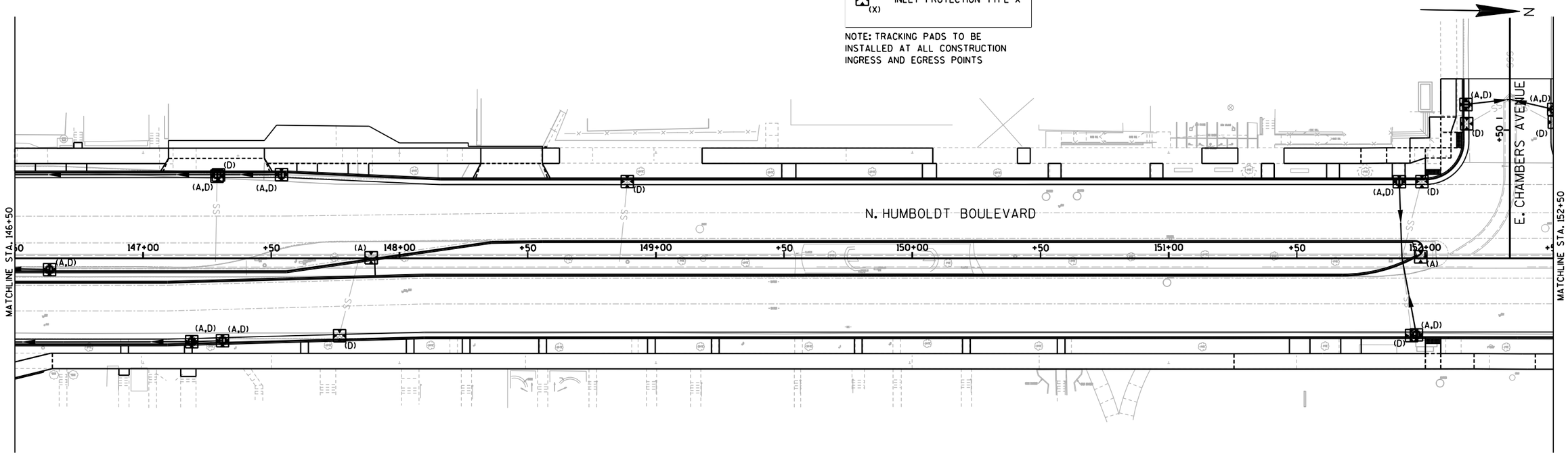




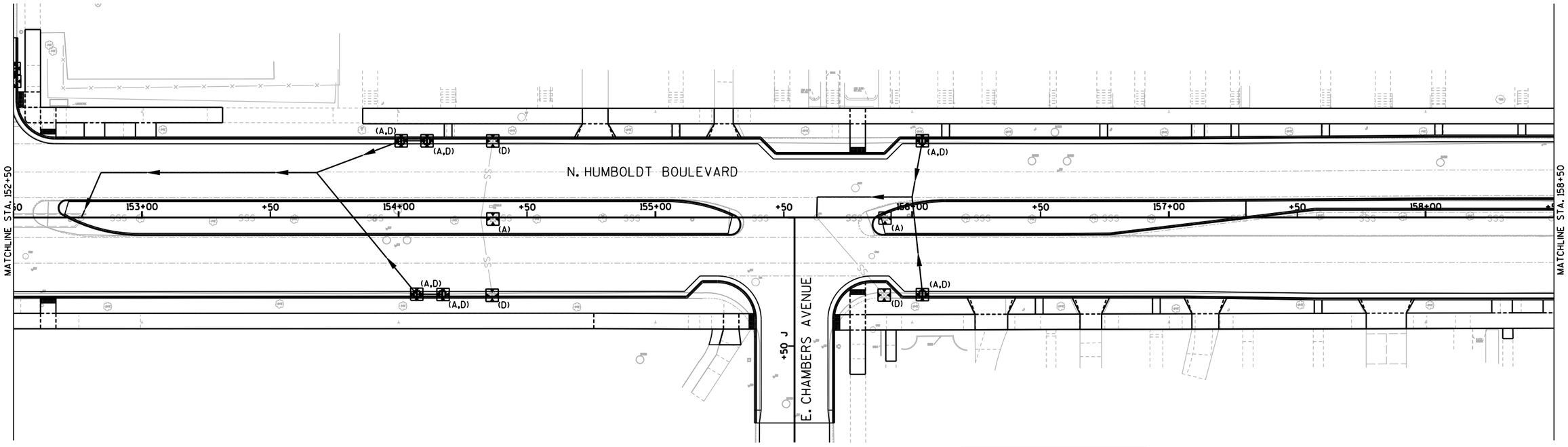
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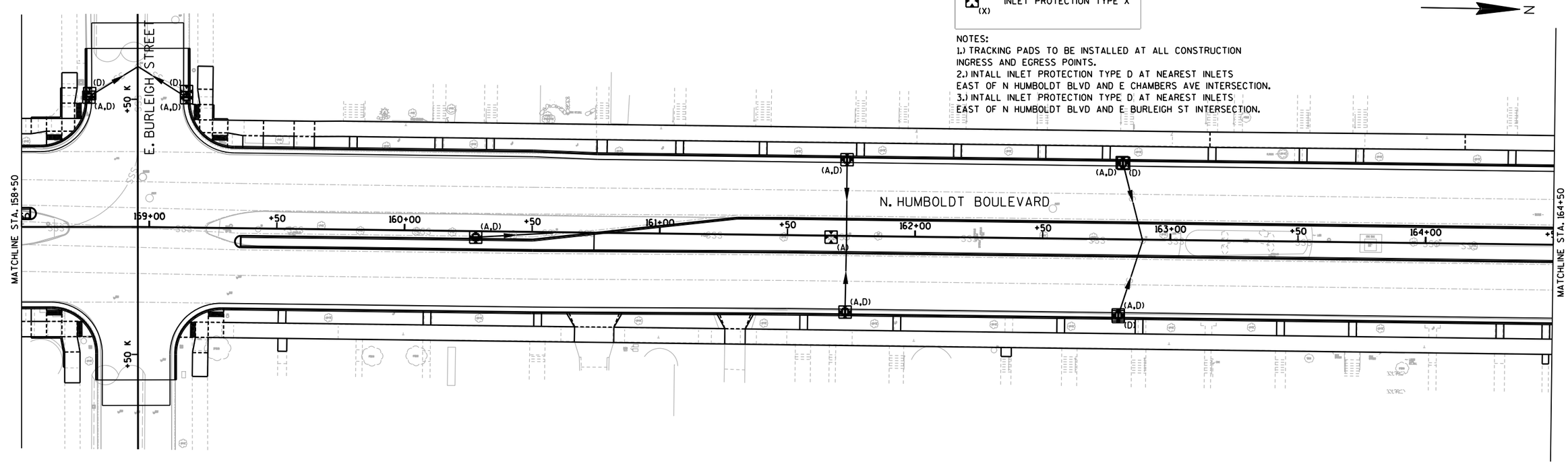
(X) INLET PROTECTION TYPE X

NOTE: TRACKING PADS TO BE INSTALLED AT ALL CONSTRUCTION INGRESS AND EGRESS POINTS



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EROSION CONTROL	SCALE, FEET 0 20 40	SHEET 94	E





LEGEND

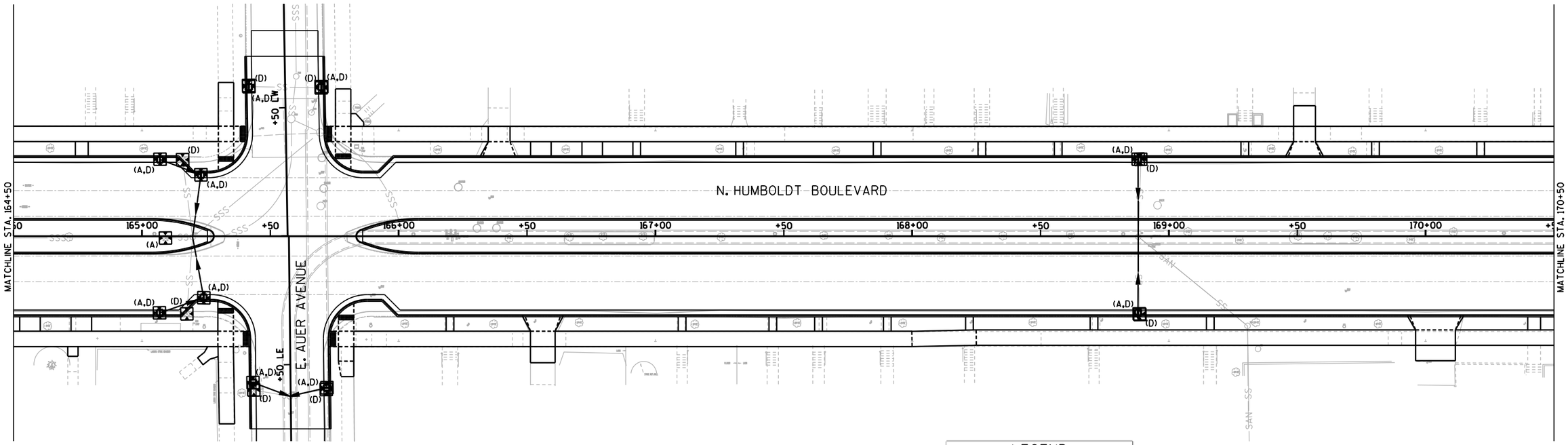
(X) INLET PROTECTION TYPE X

NOTES:
1.) TRACKING PADS TO BE INSTALLED AT ALL CONSTRUCTION INGRESS AND EGRESS POINTS.
2.) INTALL INLET PROTECTION TYPE D AT NEAREST INLETS EAST OF N HUMBOLDT BLVD AND E CHAMBERS AVE INTERSECTION.
3.) INTALL INLET PROTECTION TYPE D AT NEAREST INLETS EAST OF N HUMBOLDT BLVD AND E BURLEIGH ST INTERSECTION.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EROSION CONTROL	SCALE, FEET 0 20 40	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022005_ec.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

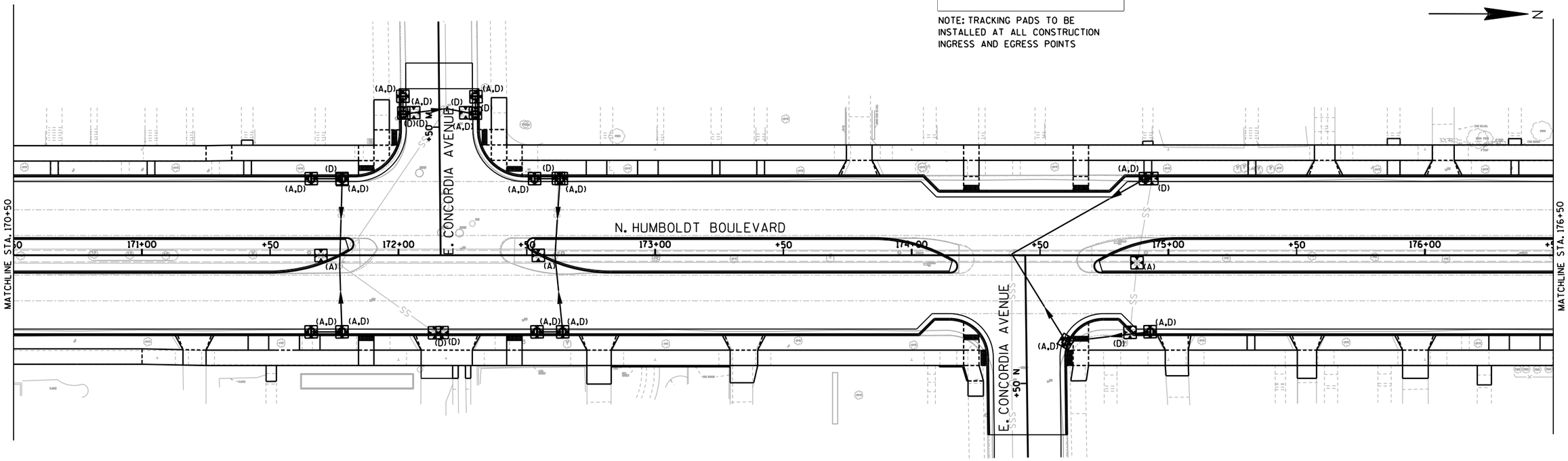
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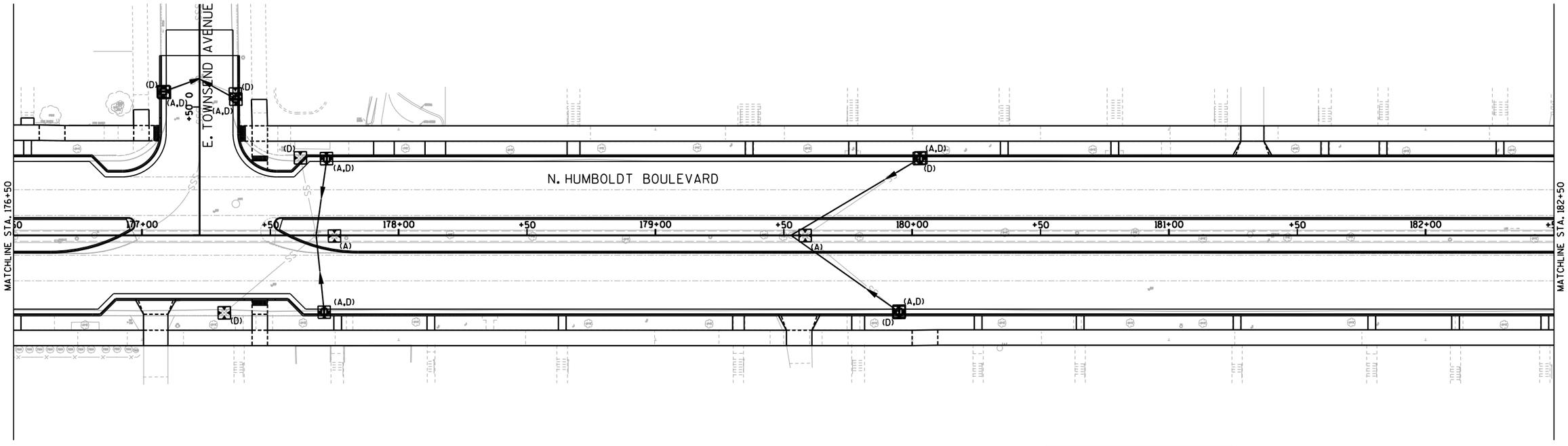
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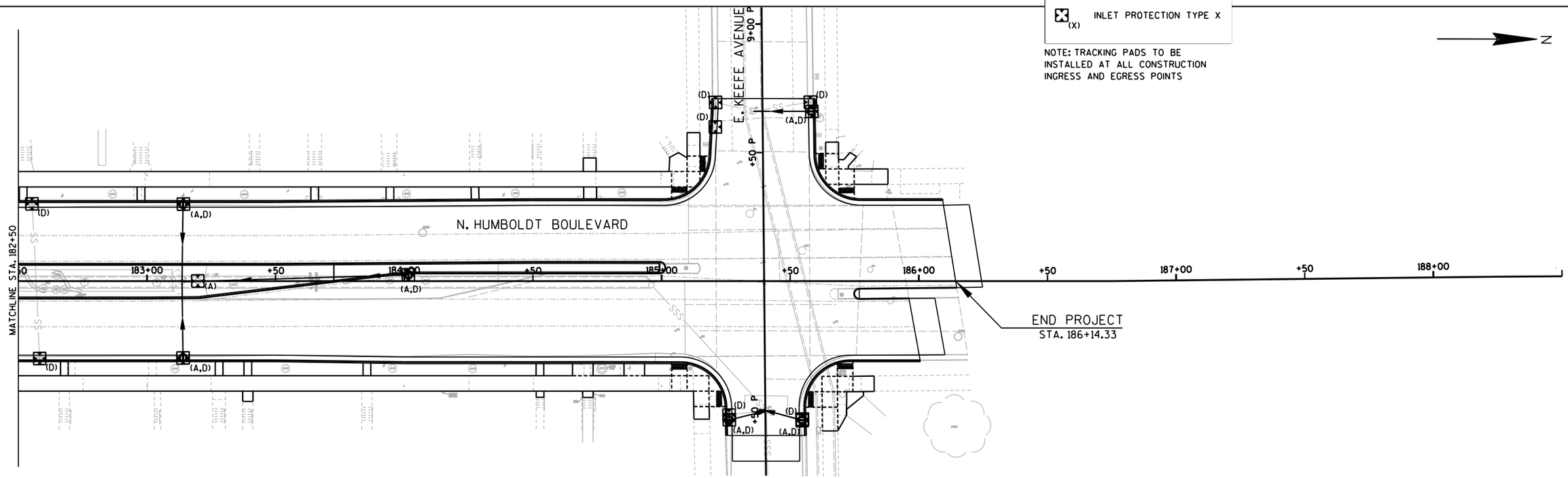
(X) INLET PROTECTION TYPE X

NOTE: TRACKING PADS TO BE INSTALLED AT ALL CONSTRUCTION INGRESS AND EGRESS POINTS



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EROSION CONTROL	SCALE, FEET 0 20 40	SHEET 96	E





PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EROSION CONTROL	SCALE, FEET 0 20 40	SHEET 97	E

2

2

N

LEGEND

(X) INLET PROTECTION TYPE X

NOTE: TRACKING PADS TO BE INSTALLED AT ALL CONSTRUCTION INGRESS AND EGRESS POINTS

E. LOCUST STREET

N. HUMBOLDT BOULEVARD

BEGIN CONSTRUCTION
STA. 7+70.00 H

BEGIN CONSTRUCTION
STA. 12+25.00 H

7+00 H | +50 H | 8+00 H | +50 H | 9+00 H | +50 H | 10+00 H | +50H | 11+00 H | +50H | 12+00 H | +50 H | 13+00 H

147+00 | +50 | 146+00 | +50 | 145+00 | +50 | 144+00

(D) (A,D) (D) (A,D) (A,D)

SS

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EROSION CONTROL	SCALE, FEET 0 20 40	SHEET 98	E

2

N

+00 SSS +50 SSS 105+00 SSS +50 106+00 +50 107+00 +50 108+00 +50 109+00 +50 110

+50 AW

9+00 AW

+50 AW

+50 AE

11+00 AE

+50 AE

+50 B

11+00 B

+50 B

N. HUMBOLDT BOULEVARD

E. NORTH AVENUE

E. WALWORTH STREET

MATCHLINE STA. 110+00

A C C A A C D A D A A C A C

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 99	E

2

2

N. HUMBOLDT BOULEVARD

E. MEINECKE AVENUE

MATCHLINE STA. 110+00

MATCHLINE STA. 116+00

+50 CW

9+00 CW

+50 CW

+50 CE

11+00 CE

+50 CE

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 100	E

2

N

+50 DW

9+00 DW

+50 DW

MATCHLINE STA. 116+00

MATCHLINE STA. 122+00

N. HUMBOLDT BOULEVARD

+50 DE

11+00 DE

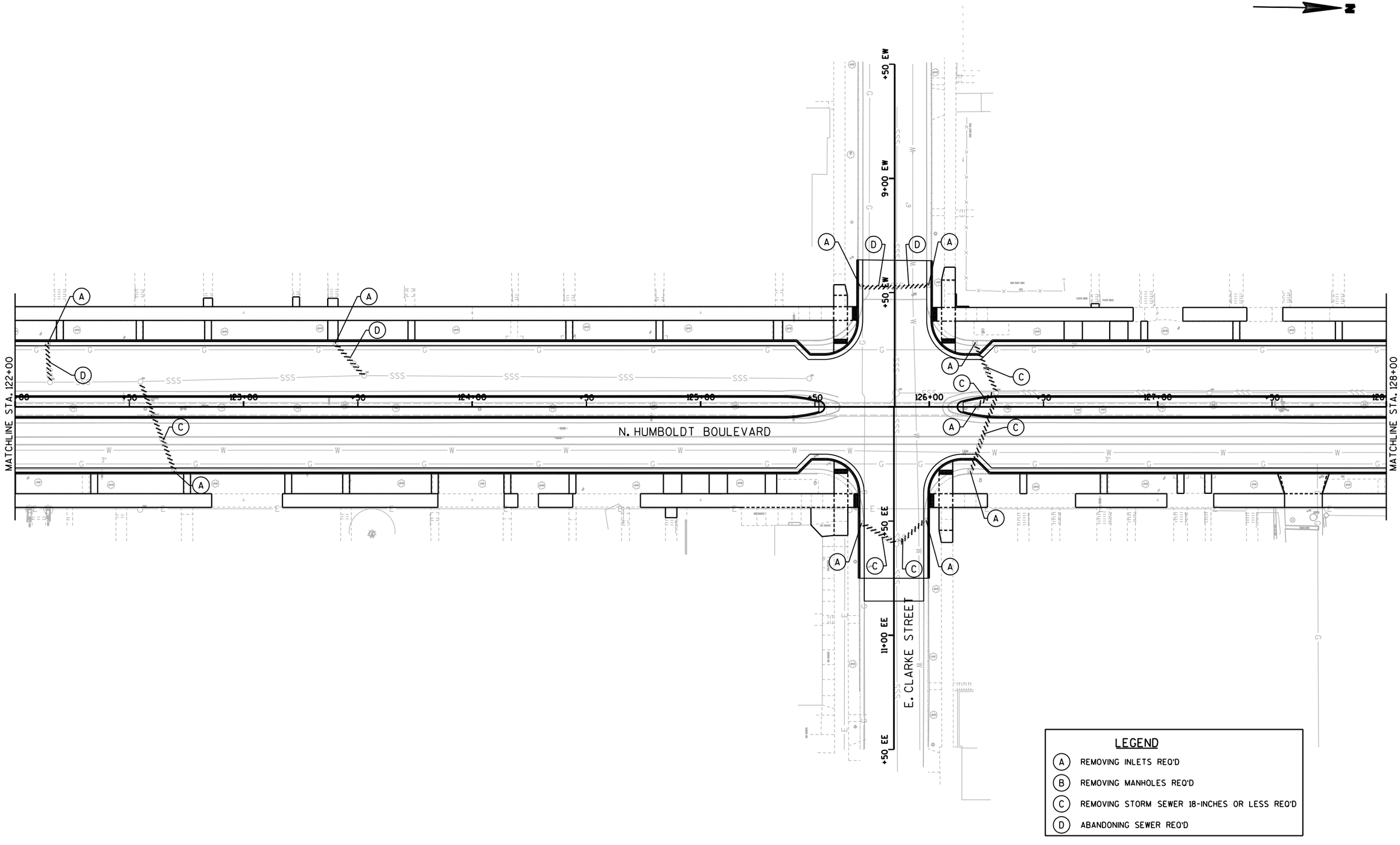
E. WRIGHT STREET

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 101	E

2



PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 102	E

2

N

E. CENTER STREET

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 128+00

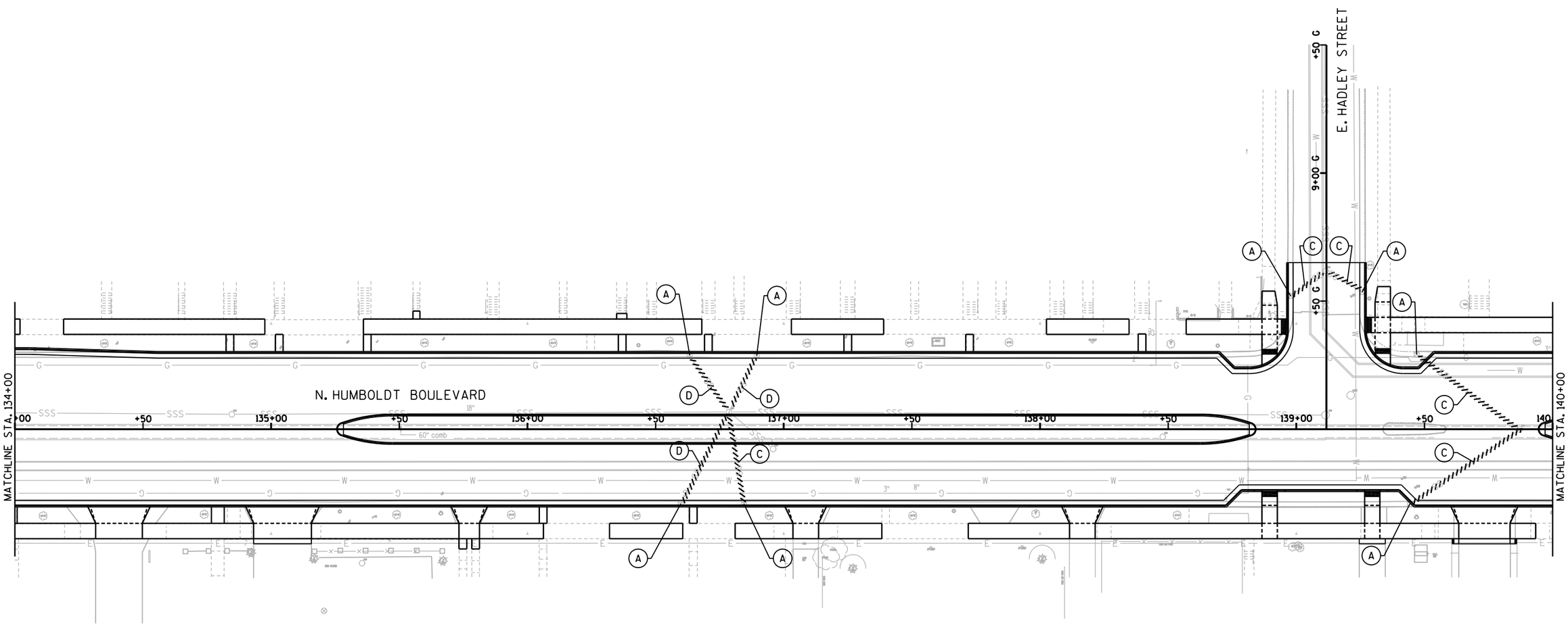
MATCHLINE STA. 134+00

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 103	E

2



LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 104	E

2

2

N

E. LOCUST STREET

+50H

9+00H

+50H

+50H

11+00H

+50H

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 140+00

MATCHLINE STA. 146+00

140+00 +50 141+00 +50 142+00 +50 143+00 +50 144+00 +50 145+00 +50 146

54" comb

8"

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022407_ss_removals.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 146+00

MATCHLINE STA. 152+00

E. LOCUST STREET

147+00 +50 148+00 +50 149+00 +50 150+00 +50 151+00 +50 152

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022408_ss_removals.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

E. CHAMBERS AVENUE

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 152+00

MATCHLINE STA. 158+00

E. CHAMBERS AVENUE

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 107	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022409_ss_removals.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

E. BURLEIGH STREET

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 158+00

MATCHLINE STA. 164+00

+50 K

9+00 K

11+00 K

159+00

160+00

161+00

162+00

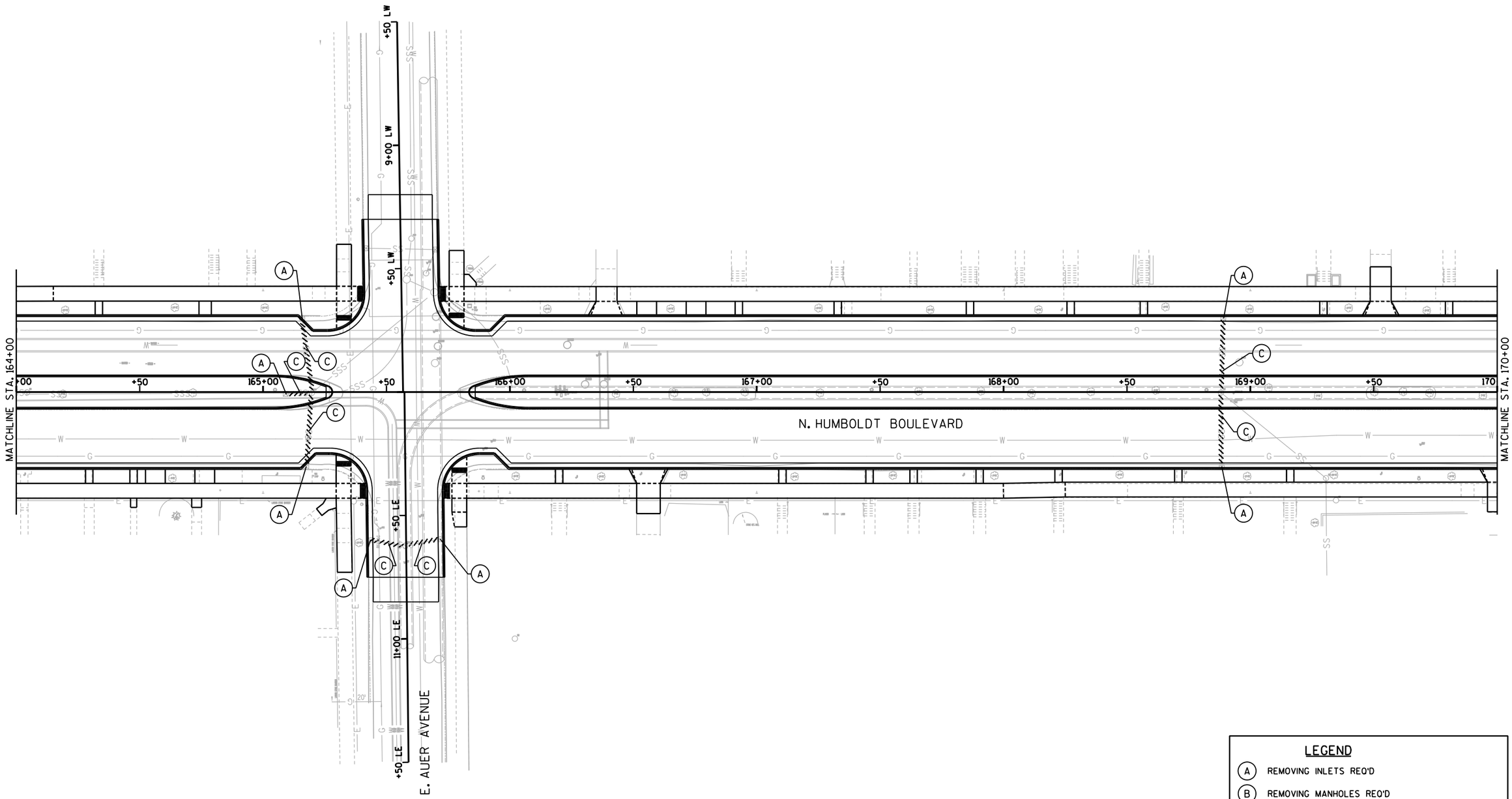
163+00

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 108	E

2



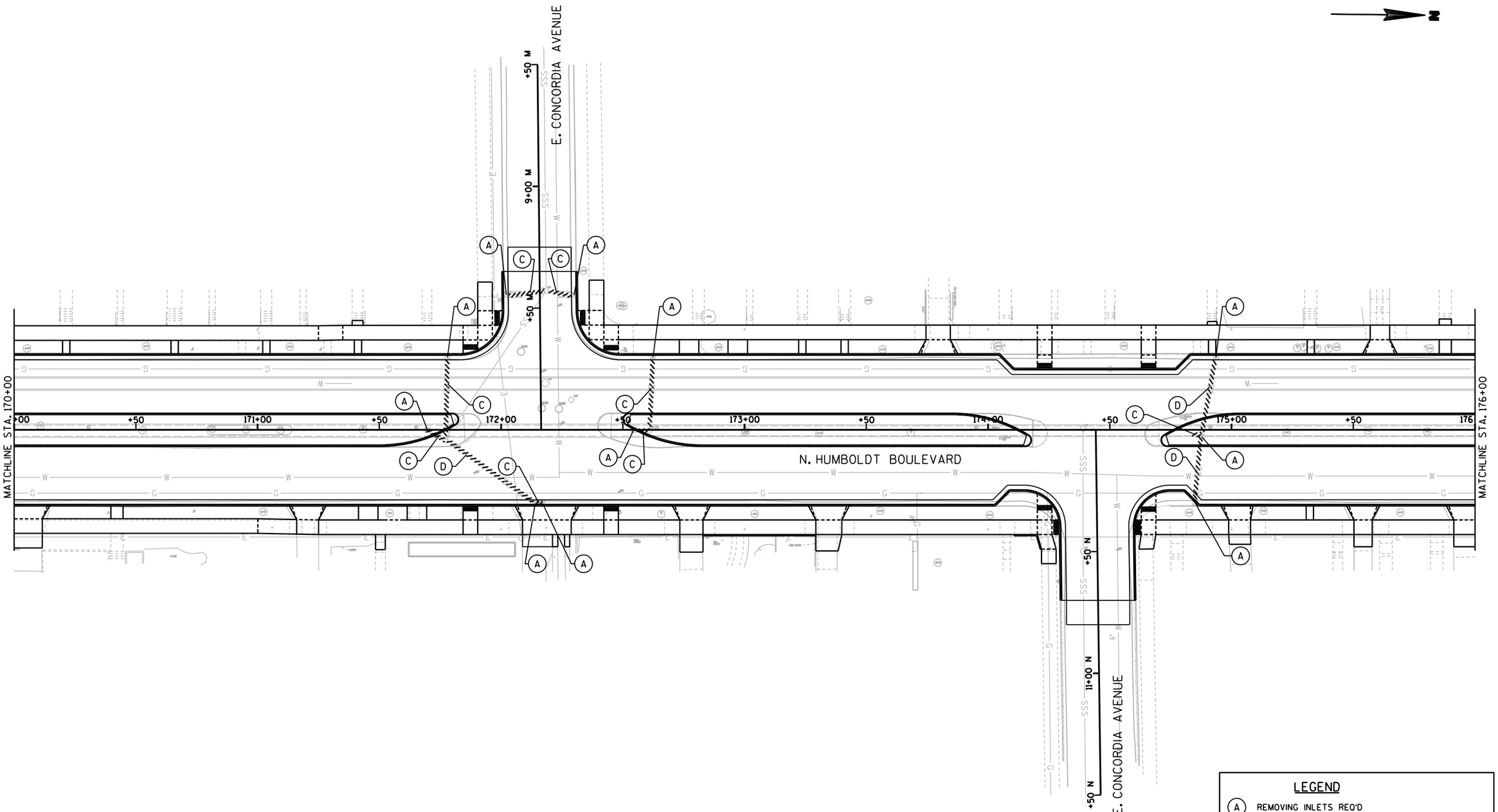
LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022411_ss_removals.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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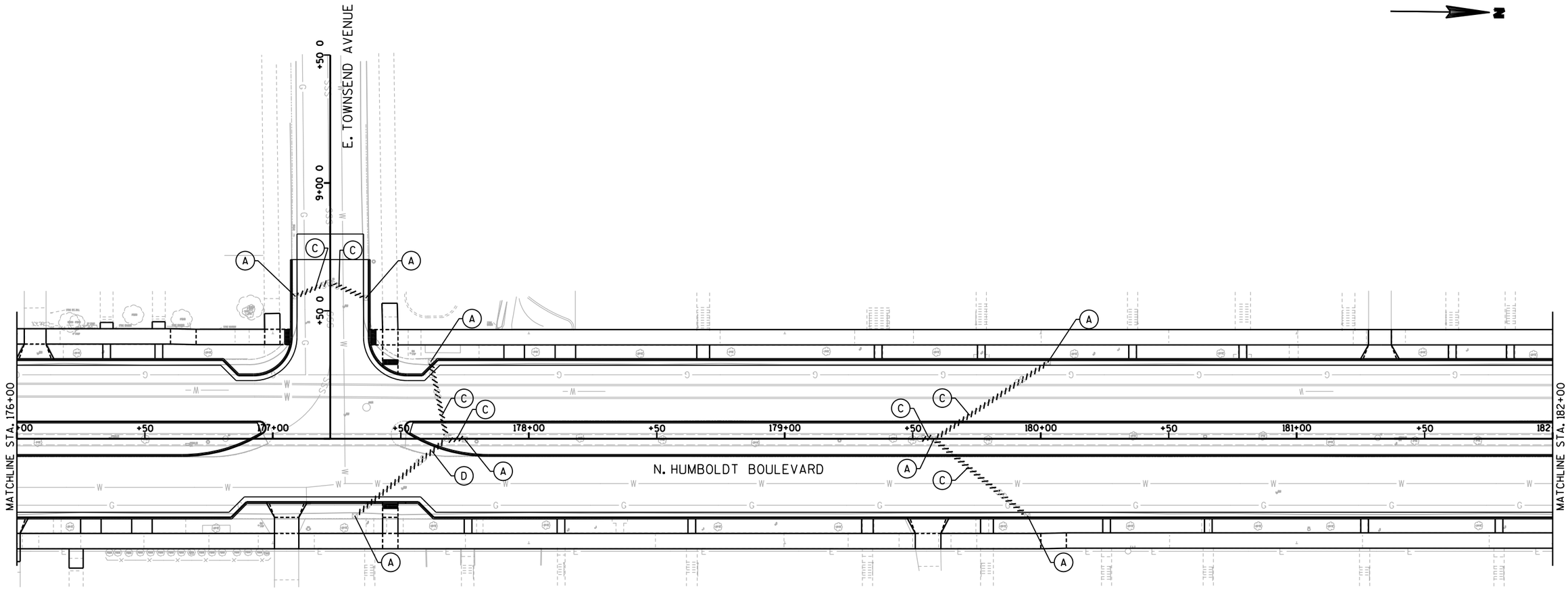
LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022412_ss_removals.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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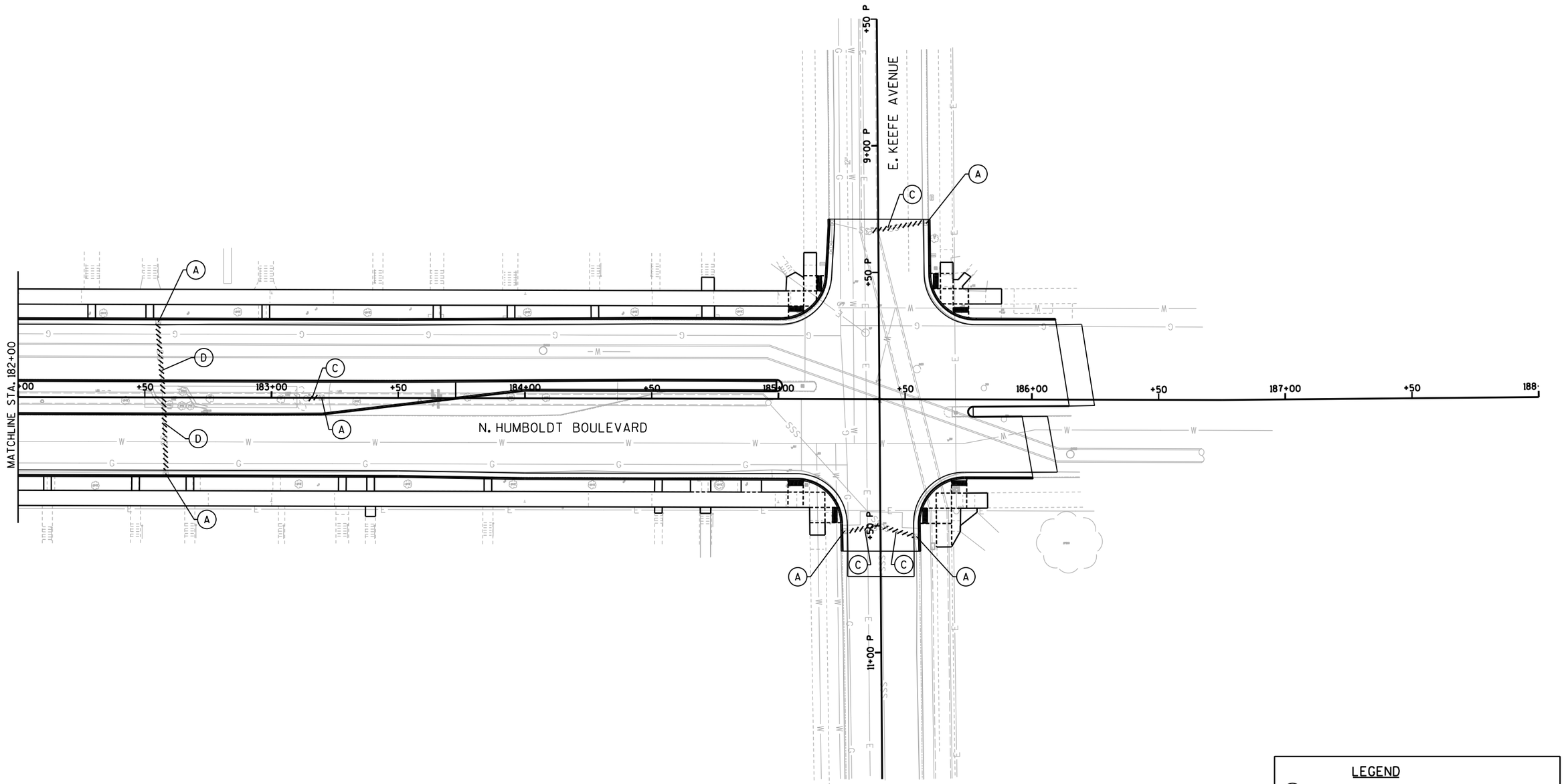
LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022413_ss_removals.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

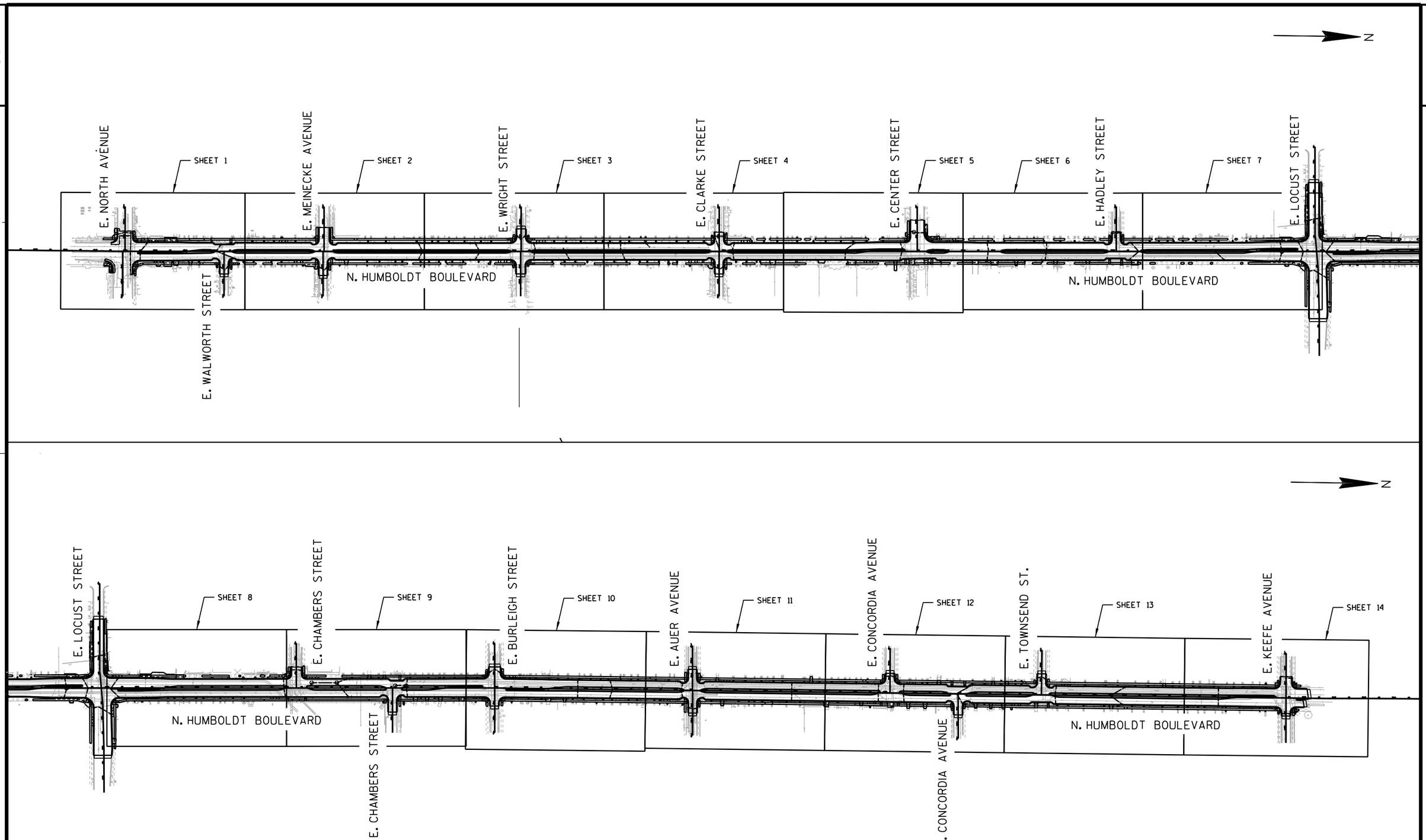
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LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING MANHOLES REQ'D
- (C) REMOVING STORM SEWER 18-INCHES OR LESS REQ'D
- (D) ABANDONING SEWER REQ'D

PROJECT NO: 2667-03-71	HWY: LOCAL STREET	COUNTY: MILWAUKEE	STORM SEWER REMOVALS	SHEET 112	E



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER OVERVIEW	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022500_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

D. BEKELE
Y. TINTAGU

D. BEKELE
Y. TINTAGU

D. BEKELE
Y. TINTAGU

D. BEKELE
Y. TINTAGU

104+00 +50 105+00 +50 106+00 107+00 +50 108+00 +50 109+00 +50 110+00

+50 AW
9+00 AW
+50 AW
+50 AE
11+00 AE
+50 AE

+50 B
11+00 B
+50 B

N. HUMBOLDT BOULEVARD

E. NORTH AVENUE

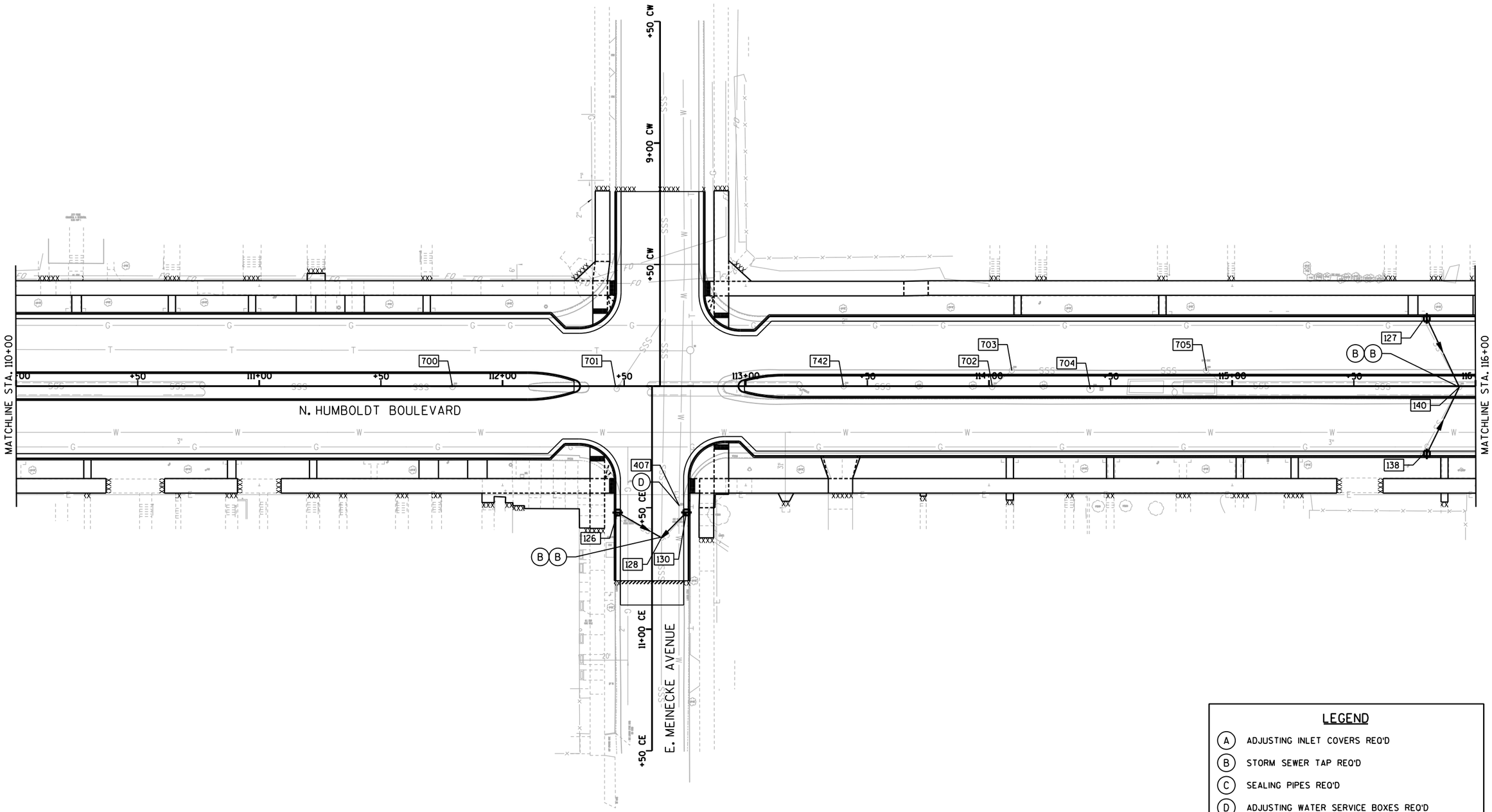
E. WALWORTH STREET

MATCHLINE STA. 110+00

940 919 918 404 400 401 402 403 110 111 112 119 113 117 115 114 116 406 405 118 120

B B B

2



LEGEND

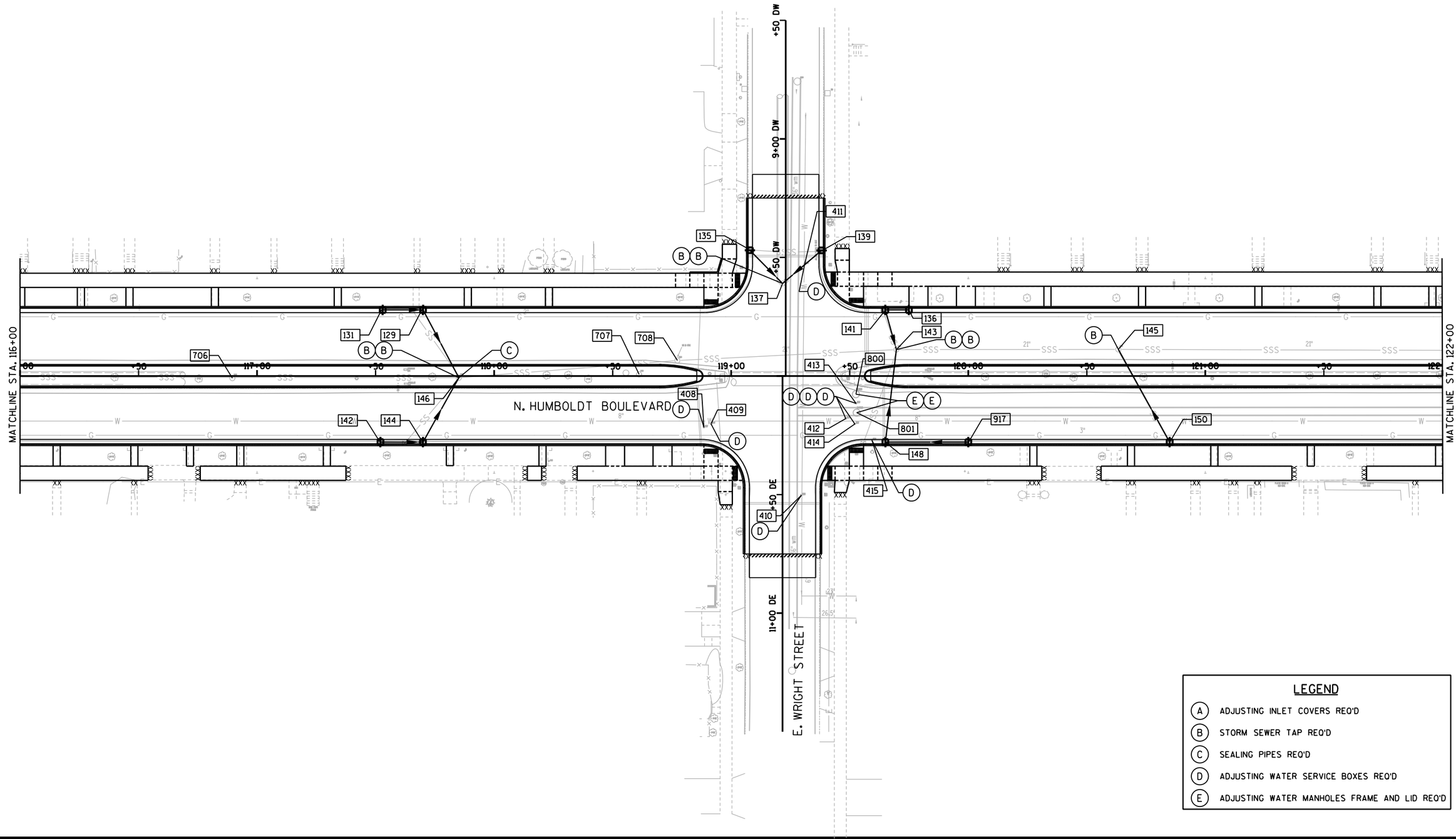
- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022502_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022503_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 122+00

MATCHLINE STA. 128+00

N. HUMBOLDT BOULEVARD

E. CLARKE STREET

+50 EW

9+00 EW

+50 EW

+50 EE

11+00 EE

+50 EE

122+00 +50 123+00 +50 124+00 +50 125+00 +50 126+00 +50 127+00 +50 128

147 916 942 149 151 152 915 153 155 159 709 161 163 165 255 710 416 417 418 419 160 154 156 158

B B B B B B B B B C D D D D D

LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022504_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

E. CENTER STREET

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 128+00

MATCHLINE STA. 134+00

WATER MAIN PROTECTION REQ'D

RECONSTRUCTING MANHOLES REQ'D

RECONSTRUCT MANHOLE SO THAT CASTING
IS NOT IN THE PROPOSED CURB LINE
AND IS INSTEAD FULLY IN THE MEDIAN NOSE.
IT IS ASSUMED THAT THIS CAN BE
ACCOMPLISHED BY SPINNING THE MANHOLE LID.

LEGEND

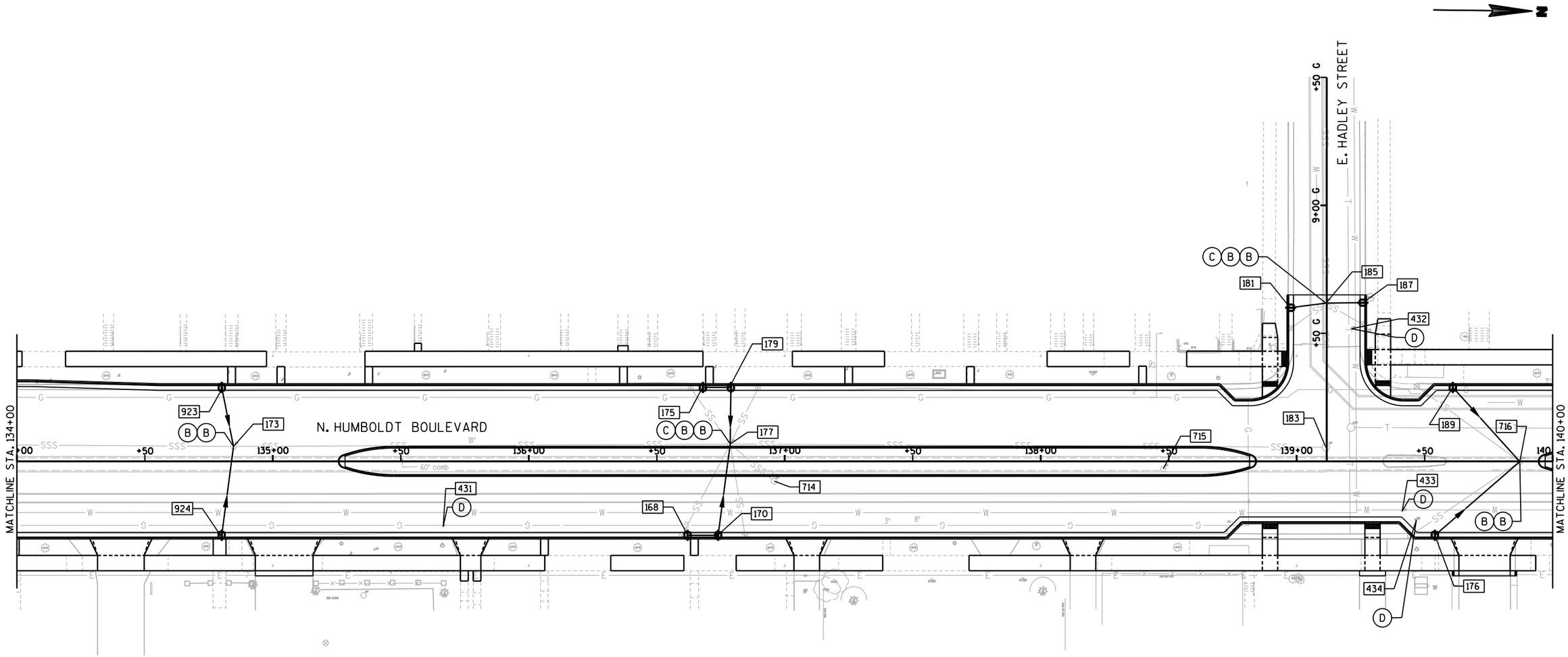
- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022505_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

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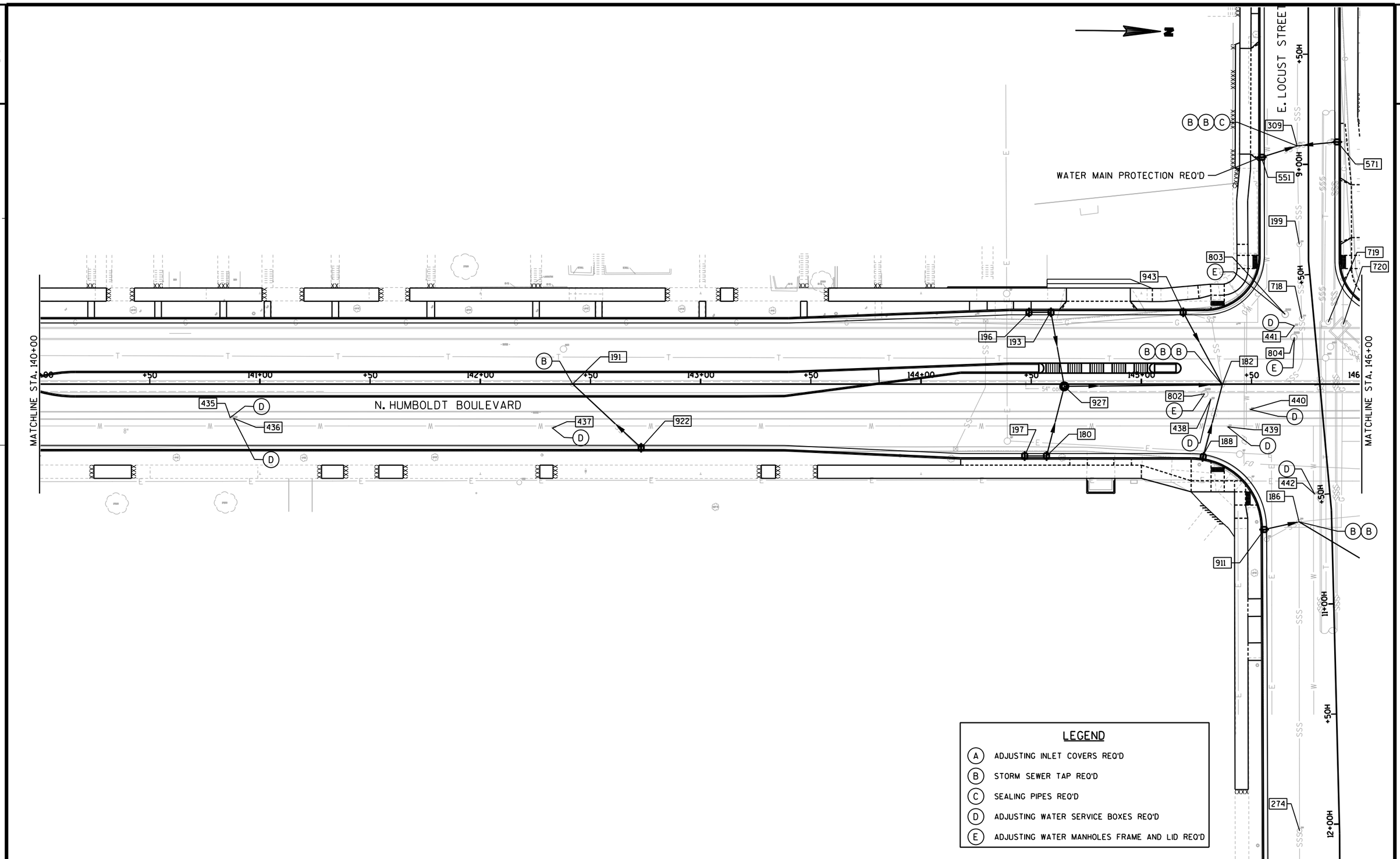
LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022506_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET 120	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022507_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 146+00

MATCHLINE STA. 152+00

E. LOCUST STREET

147+00 +50 148+00 +50 149+00 +50 150+00 +50 151+00 +50 152

205 909 899 806 E 213 C B B

B B B C 195 723 805 E 446 D 447 D 215

190 194 443 D 910 900 444 D 445 D 807 E 200

722 276

LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022508_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

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E. CHAMBERS AVENUE

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 152+00

MATCHLINE STA. 158+00

WATER MAIN PROTECTION REQ'D

9+00 I

+50 I

+50 J

11+00 J

152+00 +50 153+00 +50 154+00 +50 155+00 +50 156+00 +50 157+00 +50 158

202 B
450 D
449 D
451 D
207
217
219
448 D
928
929
809 E
452
946
221
808 E
206
204
D
810 E
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453 D
455 D
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457 D
813 E
814 E

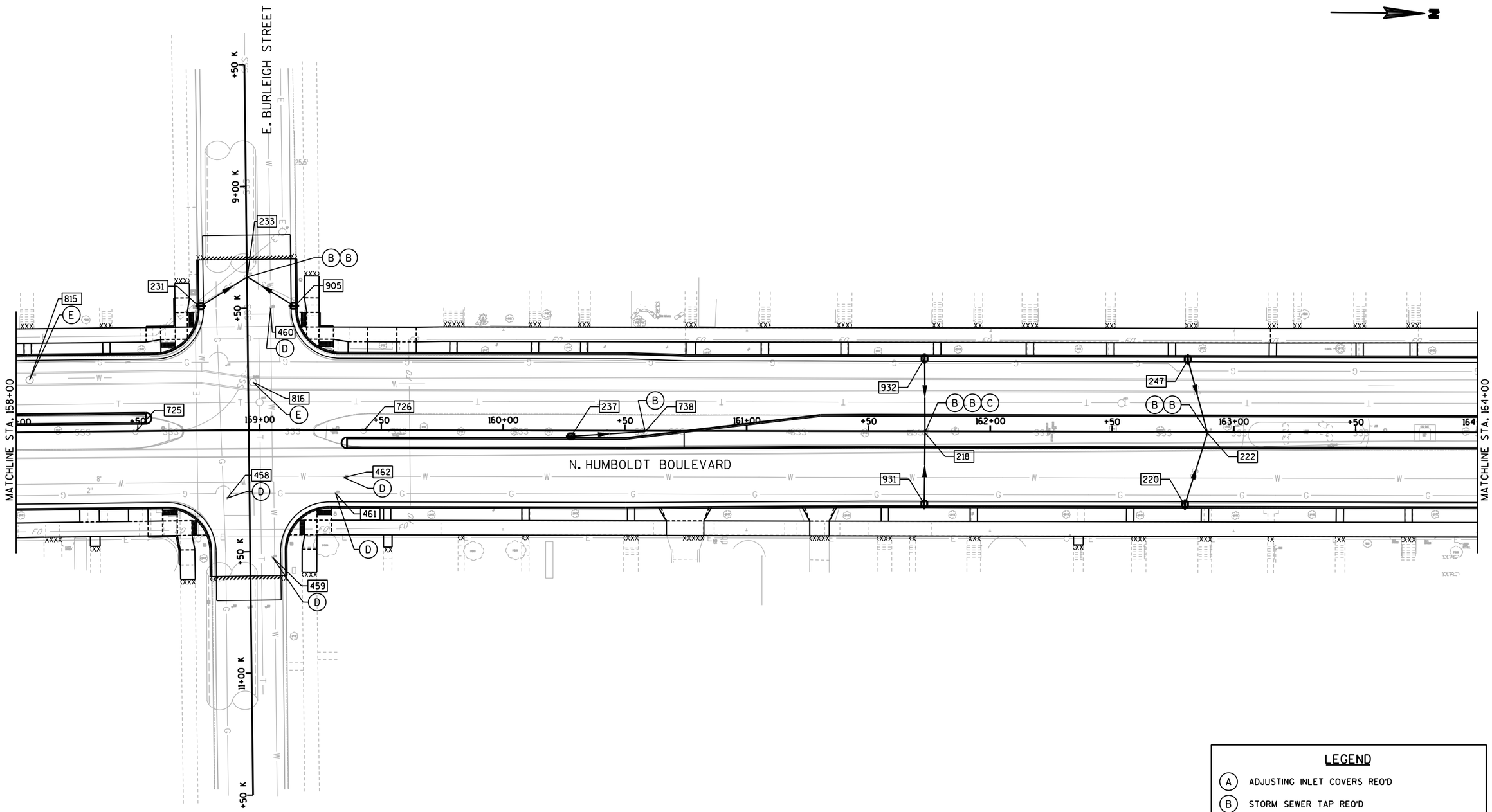
LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022509_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022510_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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N

+50 LW

9+00 LW

+50 LW

WATER MAIN PROTECTION REQ'D

727 D A 948 949 739 729 463 728 A

253 C B B 252 741

817 E 818 E 464 D 819 E 469 D

263 C B B 238 240

947 228 226

468 D 820 E 821 E

470 D

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 164+00

+00 +50 165+00 +50

166+00 +50 167+00 +50 168+00 +50 169+00 +50 170

MATCHLINE STA. 170+00

466 D 467 D

B B C

+50 LE

234

465 D 232

230

11+00 LE

+50 LE

E. AUER AVENUE

SAN SS

LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET 124	E

2

N

E. CONCORDIA AVENUE

+50 M

9+00 M

+50 M

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 170+00

MATCHLINE STA. 176+00

+00 +50 171+00 +50 172+00 +50 173+00 +50 174+00 +50 175+00 +50 176

+50 N

11+00 N

+50 N

E. CONCORDIA AVENUE

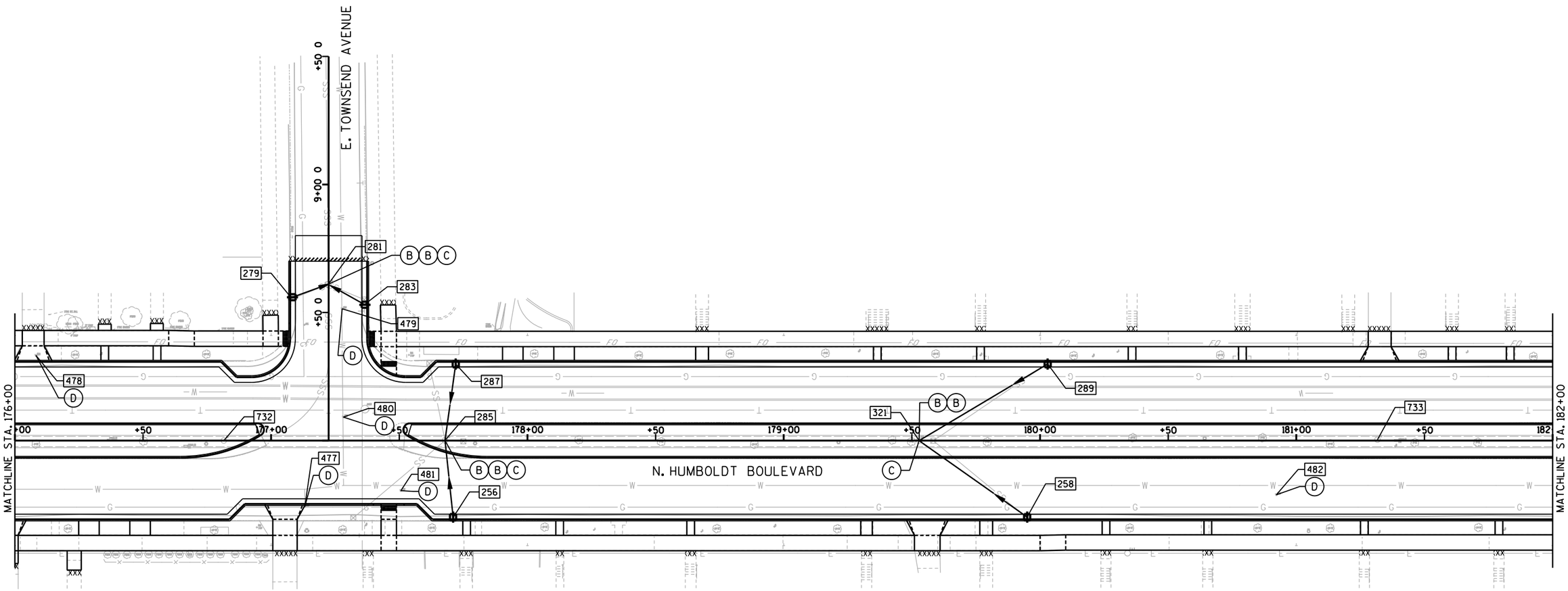
LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022512_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022513_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA. 182+00

N. HUMBOLDT BOULEVARD

E. KEEFE AVENUE

+50 P

9+00 P

11+00 P

183+00 +50 184+00 +50 185+00 +50 186+00 +50 187+00 +50 188

301 299 297 303 489 488 487 486 735 736 825 293 734 264 262 260 483 484 485 493 490 491 492 266 270 268

A A B D D D D B B B C E D D D D D D D D B B

LEGEND

- (A) ADJUSTING INLET COVERS REQ'D
- (B) STORM SEWER TAP REQ'D
- (C) SEALING PIPES REQ'D
- (D) ADJUSTING WATER SERVICE BOXES REQ'D
- (E) ADJUSTING WATER MANHOLES FRAME AND LID REQ'D

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STORM SEWER	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\022514_ss.dgn PLOT DATE : 12/1/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
110	106+50.4	0.6'RT	-	-	-	-	-	MS 58-A	82.03	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (3)
111	106+75.0	30.6'LT	39.7	110	44A	MS 57	-	-	82.70	81.62	7.22	12	78.40	76.35	40	5.13%	4-FT SUMP REQ'D
112	106+50.0	30.6'RT	30.1	110	44A	MS 57	-	-	81.40	80.32	6.67	12	77.65	77.50	30	0.50%	4-FT SUMP REQ'D
113	109+04.9	0.5'LT	-	-	-	-	-	MS 58-A	90.60	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
114	109+16.4	51.0'RT	19.4	116	44A	MS 57	-	-	90.53	89.45	6.55	12	86.90	86.80	19	0.53%	4-FT SUMP REQ'D
115	109+75.0	28.9'LT	56.2	117	44A	MS 57	-	-	91.58	90.50	7.93	12	86.57	85.27	56	2.32%	4-FT SUMP REQ'D
116	109+32.1	62.4'RT	-	-	-	-	-	MS 58-A	91.52	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
117	109+19.0	22.9'LT	26.5	113	44A	MS 57	-	-	90.59	89.51	8.24	12	85.27	84.75	26	2.00%	4-FT SUMP REQ'D
118	109+44.6	50.0'RT	17.6	116	44A	MS 57	-	-	90.96	89.88	6.52	12	87.36	87.18	18	1.00%	4-FT SUMP REQ'D
119	106+60.2	2.4'RT	9.9	110	44B	MS 57	-	-	82.31	81.23	4.23	12	78.00	77.80	10	2.00%	1-FT SUMP REQ'D
120	109+80.0	28.9'RT	80.6	113	44A	MS 57	-	-	91.47	90.72	6.52	12	88.20	87.90	81	0.37%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
126	112+47.4	52.0'RT	20.7	128	44A	MS 57	-	-	97.94	96.86	7.36	12	93.50	93.29	21	1.00%	4-FT SUMP REQ'D
127	115+80.0	27.9'LT	31.3	140	44A	MS 57	-	-	91.90	90.82	7.50	12	87.32	87.00	31	1.03%	4-FT SUMP REQ'D
128	112+65.3	62.4'RT	-	-	-	-	-	MS 58-A	98.54	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
129	117+70.0	27.9'LT	32.4	146	44A	MS 57	-	-	88.68	87.60	8.07	12	83.53	82.21	32	4.13%	4-FT SUMP REQ'D
130	112+75.6	52.0'RT	14.6	128	44A	MS 57	-	-	98.06	96.98	6.67	12	94.31	94.24	15	0.47%	4-FT SUMP REQ'D
131	117+53.0	27.9'LT	17.0	129	44A	MS 57	-	-	88.71	87.63	7.93	12	83.70	83.53	17	1.00%	4-FT SUMP REQ'D
135	119+07.9	53.0'LT	19.7	137	44A	MS 57	-	-	90.13	89.05	7.25	12	85.80	85.36	20	2.20%	4-FT SUMP REQ'D
136	119+75.0	27.9'LT	10.0	141	44A	MS 57	-	-	89.93	88.85	6.58	12	86.27	86.17	10	1.00%	4-FT SUMP REQ'D
137	119+21.6	39.0'LT	-	-	-	-	-	MS 58-A	90.24	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
138	115+80.0	27.9'RT	30.6	140	44A	MS 57	-	-	91.73	90.65	6.56	12	88.09	87.93	31	0.52%	4-FT SUMP REQ'D
139	119+38.1	53.0'LT	21.5	137	44A	MS 57	-	-	90.17	89.09	11.87	12	81.22	81.00	22	1.00%	4-FT SUMP REQ'D
140	115+93.4	0.4'RT	-	-	-	-	-	MS 58-A	92.55	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
141	119+65.0	27.9'LT	17.4	143	44A	MS 57	-	-	89.97	88.89	6.72	12	86.17	86.00	17	1.00%	4-FT SUMP REQ'D
142	117+52.0	27.9'RT	17.9	144	44A	MS 57			88.63	87.55	6.80	12	84.75	84.66	18	0.50%	4-FT SUMP REQ'D
143	119+69.7	11.1'LT	-	-	-	-	-	MS 58-A	90.33	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
144	117+70.0	27.9'RT	31.1	146	44A	MS 57	-	-	88.59	87.51	6.85	15	84.66	84.50	31	0.52%	4-FT SUMP REQ'D
145	120+63.3	11.2'LT	-	-	-	-	-	MS 58-A	90.79	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
146	117+85.1	0.7'RT	-	-	-	-	-	MS 58-A	89.70	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
147	122+14.0	27.9'LT	17.2	149	44A	MS 57	-	-	90.68	89.60	7.26	12	86.34	86.00	17	2.00%	4-FT SUMP REQ'D
148	119+65.0	27.9'RT	39.3	143	44A	MS 57	-	-	89.87	88.79	11.09	12	81.70	81.50	39	0.51%	4-FT SUMP REQ'D
149	122+15.3	10.8'LT	-	-	-	-	-	MS 58-A	91.10	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
150	120+85.0	27.9'RT	44.7	145	44A	MS 57	-	-	90.05	88.97	11.04	12	81.93	81.75	45	0.40%	4-FT SUMP REQ'D
151	122+54.8	11.1'LT	-	-	-	-	-	MS 58-A	90.91	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
152	122+70.0	27.9'RT	41.8	151	44A	MS 57	-	-	90.05	88.97	10.51	15	82.46	82.25	42	0.50%	4-FT SUMP REQ'D
153	123+40.1	27.8'LT	19.0	155	44A	MS 57	-	-	90.69	89.61	6.67	12	86.94	86.75	19	1.00%	4-FT SUMP REQ'D
154	125+70.4	51.0'RT	17.7	156	44A	MS 57	-	-	92.82	91.74	7.38	12	88.36	87.82	18	3.00%	4-FT SUMP REQ'D
155	123+52.8	13.7'LT	-	-	-	-	-	MS 58-A	91.11	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
156	125+85.7	60.0'RT	-	-	-	-	-	MS 58-A	93.23	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
158	125+98.7	52.0'RT	15.3	156	44A	MS 57	-	-	92.96	91.88	6.89	12	88.99	88.91	15	0.53%	4-FT SUMP REQ'D
159	125+69.8	51.0'LT	47.6	161	44A	MS 57	-	-	92.93	91.85	7.18	12	88.67	88.19	48	1.00%	4-FT SUMP REQ'D

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
160	126+34.0	27.9'RT	34.3	255	44A	MS 57	-	-	93.24	92.16	10.74	12	85.42	85.25	34	0.50%	4-FT SUMP REQ'D
161	125+85.5	6.0'LT	-	-	-	-	-	MS 23-A	93.41	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
162	130+05.0	27.9'RT	34.2	229	44A	MS 57	-	-	95.39	94.31	10.31	12	88.00	87.83	34	0.50%	4-FT SUMP REQ'D
163	126+00.0	51.0'LT	30.2	159	44A	MS 57	-	-	93.20	92.12	7.30	12	88.82	88.67	30	0.50%	4-FT SUMP REQ'D
165	126+36.0	27.9'LT	22.8	255	44A	MS 57	-	-	93.48	92.40	7.46	12	88.94	88.06	23	3.83%	4-FT SUMP REQ'D
168	136+62.0	28.9'RT	12.0	170	44A	MS 57	-	-	88.66	87.58	6.43	12	85.15	85.10	12	0.42%	4-FT SUMP REQ'D
170	136+74.0	28.9'RT	35.9	177	44A	MS 57	-	-	88.64	87.56	10.56	15	81.00	80.82	36	0.50%	4-FT SUMP REQ'D
171	132+98.1	7.0'LT	-	-	-	-	-	MS 58-A	94.47	-	-	-	-	-	-	-	
173	134+84.6	5.8'LT	-	-	-	-	-	MS 58-A	91.64	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
175	136+68.0	28.9'LT	10.9	179	44A	MS 57	-	-	88.95	87.87	6.98	12	84.89	84.79	11	0.91%	4-FT SUMP REQ'D
176	139+54.0	28.9'RT	43.9	716	44A	MS 57	-	-	90.71	89.63	11.14	12	82.49	82.25	44	0.55%	4-FT SUMP REQ'D
177	136+78.7	6.8'LT	-	-	-	-	-	MS 58-A	89.53	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
179	136+79.0	28.9'LT	22.1	177	44A	MS 57	-	-	88.96	87.88	7.09	15	84.79	84.57	22	1.00%	4-FT SUMP REQ'D
180	144+57.0	32.6'RT	32.6	927	2X2-FT	MS 57	-	-	86.59	85.84	1.94	12	83.90	83.70	33	0.61%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
181	138+97.6	60.0'LT	13.8	185	44A	MS 57	-	-	90.70	89.62	13.08	12	80.54	80.47	14	0.50%	4-FT SUMP REQ'D
182	145+36.7	0.3'RT	-	-	-	-	-	MS 58-A	87.79	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (3)
183	139+11.4	5.5'LT	-	-	-	-	-	MS 23-A	91.25	-	-	-	-	-	-	-	
185	139+11.4	61.8'LT	-	-	-	-	-	MS 58-A	91.16	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
186	145+71.6	62.5'RT	-	-	-	-	-	MS 58-A	87.75	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
187	139+25.9	62.0'LT	14.5	185	44A	MS 57	-	-	90.63	89.55	7.29	12	86.26	85.96	15	2.00%	4-FT SUMP REQ'D
188	145+28.0	33.0'RT	33.9	182	44B	MS 57	-	-	87.25	86.17	3.57	12	83.60	83.43	34	0.50%	4-FT SUMP REQ'D
189	139+61.0	28.9'LT	39.1	716	44A	MS 57	-	-	91.00	89.92	14.71	12	79.21	79.00	39	0.54%	4-FT SUMP REQ'D
190	146+11.8	3.2'RT	-	-	-	-	-	MS 58-A	87.92	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (3); SEALING PIPES REQ'D
191	142+41.9	0.1'LT	-	-	-	-	-	MS 58-A	90.53	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
193	144+59.0	32.6'LT	34.1	927	44A	MS 57	-	-	86.85	86.10	6.60	15	83.50	83.30	34	0.59%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
194	146+42.0	32.6'RT	42.2	190	44A	MS 57	-	-	87.08	86.00	7.44	15	82.56	82.35	42	0.50%	4-FT SUMP REQ'D
195	146+63.5	4.4'RT	51.8	190	44B	MS 57	-	-	87.65	86.57	3.82	12	83.75	83.49	52	0.50%	1-FT SUMP REQ'D
196	144+49.0	32.6'LT	10.0	193	44A	MS 57	-	-	86.86	86.11	6.39	12	83.72	83.67	10	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
197	144+47.0	32.6'RT	9.9	180	2X2-FT	MS 57	-	-	86.62	85.87	1.87	12	84.00	83.90	10	1.00%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
199	145+71.6	63.5'LT	-	-	-	-	-	MS 58-A	88.01	-	-	-	-	-	-	-	
200	151+96.6	29.9'RT	30.6	215	44A	MS 57	-	-	85.73	84.65	12.65	12	76.00	75.84	31	0.52%	4-FT SUMP REQ'D
202	152+76.4	0.1'RT	-	-	-	-	-	MS 58-A	86.52	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
204	154+17.0	29.9'RT	10.0	206	44A	MS 57	-	-	84.43	83.68	6.43	12	81.25	81.20	10	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
205	146+37.0	32.6'LT	43.8	190	44A	MS 57	-	-	87.20	86.12	7.46	15	82.66	82.00	44	1.50%	4-FT SUMP REQ'D
206	154+07.0	29.9'RT	61.4	929	44A	MS 57	-	-	84.42	83.34	11.04	15	76.30	76.00	61	0.49%	4-FT SUMP REQ'D
207	152+33.2	62.0'LT	-	-	-	-	-	MS 58-A	86.71	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
210	156+04.0	29.9'RT	38.1	930	44A	MS 57	-	-	85.98	84.90	12.99	12	75.91	75.72	38	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
213	151+90.0	29.9'LT	29.6	215	44A	MS 57	-	-	86.06	84.98	7.34	12	81.64	81.34	30	1.00%	4-FT SUMP REQ'D
215	151+91.0	0.2'LT	-	-	-	-	-	MS 58-A	86.96	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
217	152+16.0	60.0'LT	17.4	207	44B	MS 57	-	-	86.35	85.27	3.94	12	82.33	82.23	17	0.59%	1-FT SUMP REQ'D

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
218	161+73.2	0.5'RT	-	-	-	-	-	MS 58-A	87.11	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
219	152+50.2	58.0'LT	17.5	207	44A	MS 57	-	-	86.15	85.07	6.86	12	82.21	82.03	17	1.06%	4-FT SUMP REQ'D
220	162+80.0	29.9'RT	30.9	222	44A	MS 57	-	-	85.21	84.13	11.13	12	77.00	76.85	31	0.48%	4-FT SUMP REQ'D
221	154+01.0	29.9'LT	35.2	929	44A	MS 57	-	-	84.66	83.58	7.13	12	80.45	80.06	35	1.11%	4-FT SUMP REQ'D
222	162+89.2	0.5'RT	-	-	-	-	-	MS 58-A	86.24	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
223	155+62.9	0.1'LT	-	-	-	-	-	MS 58-A	86.32	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
225	156+04.0	29.9'LT	22.2	930	44A	MS 57	-	-	86.29	85.21	12.71	12	76.50	76.32	22	0.82%	4-FT SUMP REQ'D
226	165+07.0	29.9'RT	18.0	947	44A	MS 57	-	-	83.35	82.27	6.77	12	79.50	79.41	18	0.50%	4-FT SUMP REQ'D
228	165+19.7	0.4'RT	-	-	-	-	-	MS 58-A	84.49	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
229	130+07.5	6.2'LT	-	-	-	-	-	MS 58-A	96.15	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
230	165+43.3	57.0'RT	15.3	232	44A	MS 57	-	-	83.57	82.49	11.62	12	74.87	74.80	15	0.47%	4-FT SUMP REQ'D
231	158+76.4	51.0'LT	22.6	233	44B	MS 57	-	-	88.91	87.83	4.27	12	84.56	84.10	23	2.00%	4-FT SUMP REQ'D
232	165+57.6	62.3'RT	-	-	-	-	-	MS 58-A	83.88	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
233	158+95.5	62.9'LT	-	-	-	-	-	MS 58-A	89.61	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
234	165+72.0	59.0'RT	14.8	232	44A	MS 57	-	-	83.45	82.37	6.74	12	79.63	79.48	15	1.00%	4-FT SUMP REQ'D
235	130+39.0	28.9'LT	38.9	229	44A	MS 57	-	-	95.45	94.37	7.20	12	91.17	90.39	39	2.00%	4-FT SUMP REQ'D
237	160+27.9	2.4'RT	30.4	738	44B	MS 57	-	-	87.58	86.50	4.00	12	83.50	83.20	30	1.00%	1-FT SUMP REQ'D
238	168+88.1	0.2'RT	-	-	-	-	-	MS 58-A	81.76	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
240	168+88.0	29.9'RT	29.6	238	44A	MS 57	-	-	80.73	79.65	6.50	12	77.15	77.00	30	0.50%	4-FT SUMP REQ'D
242	171+77.1	4.1'RT	-	-	-	-	-	MS 58-A	78.44	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
244	171+66.0	29.9'RT	12.0	246	44A	MS 57	-	-	78.12	77.04	6.85	12	74.19	74.13	12	0.50%	4-FT SUMP REQ'D
245	132+23.6	67.0'LT	12.1	248	2X2-FT	S	-	-	95.45	94.78	2.43	12	92.35	92.23	12	1.00%	2-INCHES ADJUSTING RINGS REQ'D
246	171+78.0	29.9'RT	25.8	242	44A	MS 57	-	-	78.00	76.92	6.79	15	74.13	74.00	26	0.50%	4-FT SUMP REQ'D
247	162+81.0	29.9'LT	31.4	222	44A	MS 57	-	-	85.31	84.23	12.09	12	76.14	75.99	31	0.48%	4-FT SUMP REQ'D
248	132+35.5	64.6'LT	12.1	305	44A	-	-	MS 58-A	95.54	94.21	5.98	12	92.23	91.71	12	4.33%	4-FT SUMP REQ'D
251	131+97.4	6.8'LT	-	-	-	-	-	MS 58-A	95.79	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D (2); RECONSTRUCTING MANHOLES REQ'D
252	165+23.0	23.9'LT	24.5	228	44B	MS 57	-	-	83.70	82.62	3.77	12	79.85	79.70	24	0.62%	1-FT SUMP REQ'D
253	165+07.0	29.9'LT	17.1	252	44A	MS 57	-	-	83.66	82.58	6.64	12	79.94	79.85	17	0.53%	4-FT SUMP REQ'D
254	174+93.0	29.9'RT	33.0	901	44A	MS 57	-	-	79.40	78.65	6.55	12	76.10	75.98	33	0.36%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
255	126+29.3	6.1'LT	-	-	-	-	-	MS 58-A	93.99	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
256	177+71.0	29.9'RT	30.1	285	44A	MS 57	-	-	81.57	80.82	6.67	12	78.15	78.00	30	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
258	179+95.0	29.9'RT	51.7	321	44A	MS 57	-	-	83.37	82.29	6.53	12	79.76	79.50	52	0.50%	4-FT SUMP REQ'D
260	183+14.0	29.9'RT	29.6	262	44A	MS 57	-	-	85.81	84.73	6.58	12	82.15	82.00	30	0.50%	4-FT SUMP REQ'D
262	183+13.6	0.3'RT	-	-	-	-	-	MS 58-A	86.94	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (3); SEALING PIPES REQ'D
263	168+88.0	29.9'LT	30.1	238	44A	MS 57	-	-	80.68	79.60	12.95	12	70.65	70.50	30	0.50%	4-FT SUMP REQ'D
264	184+01.6	2.5'LT	88.1	262	44B	MS 57	-	-	87.00	85.92	3.92	12	83.00	82.56	88	0.50%	1-FT SUMP REQ'D
265	171+78.0	29.9'LT	34.0	242	44A	MS 57	-	-	78.30	77.22	13.55	12	67.67	67.47	34	0.59%	4-FT SUMP REQ'D
266	185+26.2	54.0'RT	15.0	268	44A	MS 57	-	-	88.16	87.08	8.96	12	82.12	81.97	15	1.00%	4-FT SUMP REQ'D
267	172+01.8	55.0'LT	16.8	269	44A	MS 57	-	-	77.96	76.88	6.88	12	74.00	73.83	17	1.00%	4-FT SUMP REQ'D
268	185+40.8	50.4'RT	-	-	-	-	-	MS 58-A	88.56	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
269	172+18.5	57.2'LT	-	-	-	-	-	MS 58-A	78.36	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
270	185+54.7	54.0'RT	14.4	268	44A	MS 57	-	-	88.22	87.14	7.48	12	83.66	83.06	14	4.29%	4-FT SUMP REQ'D
271	172+30.0	55.0'LT	11.8	269	44A	MS 57	-	-	78.11	77.03	6.66	12	74.37	74.25	12	1.00%	4-FT SUMP REQ'D
273	172+63.0	29.9'LT	30.4	950	44A	MS 57	-	-	77.80	76.72	12.57	12	68.15	67.92	30	0.77%	4-FT SUMP REQ'D
274	145+71.8	202.7'RT	-	-	-	-	-	MS 58-A	88.58	-	-	-	-	-	-	-	
275	174+91.0	29.9'LT	59.7	319	44A	MS 57	-	-	79.69	78.61	12.33	12	70.28	70.00	60	0.47%	4-FT SUMP REQ'D
276	146+14.2	88.0'RT	49.7	186	44A	MS 57	-	-	87.40	86.32	6.57	12	83.75	83.54	50	0.42%	4-FT SUMP REQ'D
279	177+08.3	56.0'LT	14.9	281	44A	MS 57	-	-	81.69	80.61	7.40	12	77.21	76.91	15	2.00%	4-FT SUMP REQ'D
281	177+22.3	61.0'LT	-	-	-	-	-	MS 58-A	82.33	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
283	177+36.6	53.0'LT	16.3	281	44A	MS 57	-	-	81.71	80.63	11.63	12	73.00	72.92	16	0.50%	4-FT SUMP REQ'D
285	177+67.8	0.0'RT	-	-	-	-	-	MS 58-A	82.78	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
287	177+72.0	29.9'LT	30.1	285	44A	MS 57	-	-	81.88	80.80	12.80	12	72.00	71.70	30	1.00%	4-FT SUMP REQ'D
289	180+03.0	29.9'LT	58.4	321	44A	MS 57	-	-	83.50	82.42	12.84	12	73.58	73.00	58	1.00%	4-FT SUMP REQ'D
293	183+14.0	29.9'LT	30.2	262	44A	MS 57	-	-	85.98	84.90	13.90	12	75.00	74.70	30	1.00%	4-FT SUMP REQ'D
297	185+20.6	59.8'LT	-	-	-	-	-	-	87.84	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
299	185+21.0	69.5'LT	-	-	-	-	-	-	87.78	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
301	185+35.6	66.0'LT	-	-	-	-	-	MS 58-A	88.16	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
303	185+58.3	66.0'LT	22.6	301	44A	MS 57	-	-	87.85	86.77	6.75	12	84.02	83.56	23	2.00%	4-FT SUMP REQ'D
305	132+47.4	62.2'LT	-	-	-	-	-	MS 58-A	95.42	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
307	132+69.8	63.0'LT	22.5	305	44A	MS 57	-	-	95.15	94.07	6.87	12	91.20	91.08	23	0.52%	4-FT SUMP REQ'D
309	145+70.7	108.1'LT	-	-	-	-	-	MS 58-A	88.44	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
319	174+39.0	0.5'LT	-	-	-	-	-	MS 58-A	79.67	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
321	179+52.8	0.0'RT	-	-	-	-	-	MS 58-A	84.09	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D
325	171+66.0	29.9'LT	12.0	265	44A	MS 57	-	-	78.42	77.34	6.84	12	74.50	74.38	12	1.00%	4-FT SUMP REQ'D
327	172+01.7	62.0'LT	7.0	267	44A	MS 57	-	-	77.98	76.90	6.87	12	74.03	74.00	7	0.43%	4-FT SUMP REQ'D
329	172+30.0	62.0'LT	7.0	271	44A	MS 57	-	-	78.13	77.05	6.62	12	74.43	74.37	7	0.86%	4-FT SUMP REQ'D
400	106+34.3	24.0'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
401	106+27.9	30.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
402	106+28.8	38.3'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
403	106+27.7	41.6'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
404	106+57.2	33.3'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
405	109+35.8	48.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
406	109+40.9	54.7'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
407	112+72.6	49.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
408	118+88.5	21.6'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
409	118+91.5	20.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
410	119+29.6	50.3'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
411	119+31.0	47.2'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
412	119+48.3	17.9'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
413	119+52.7	11.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
414	119+52.2	20.2'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D

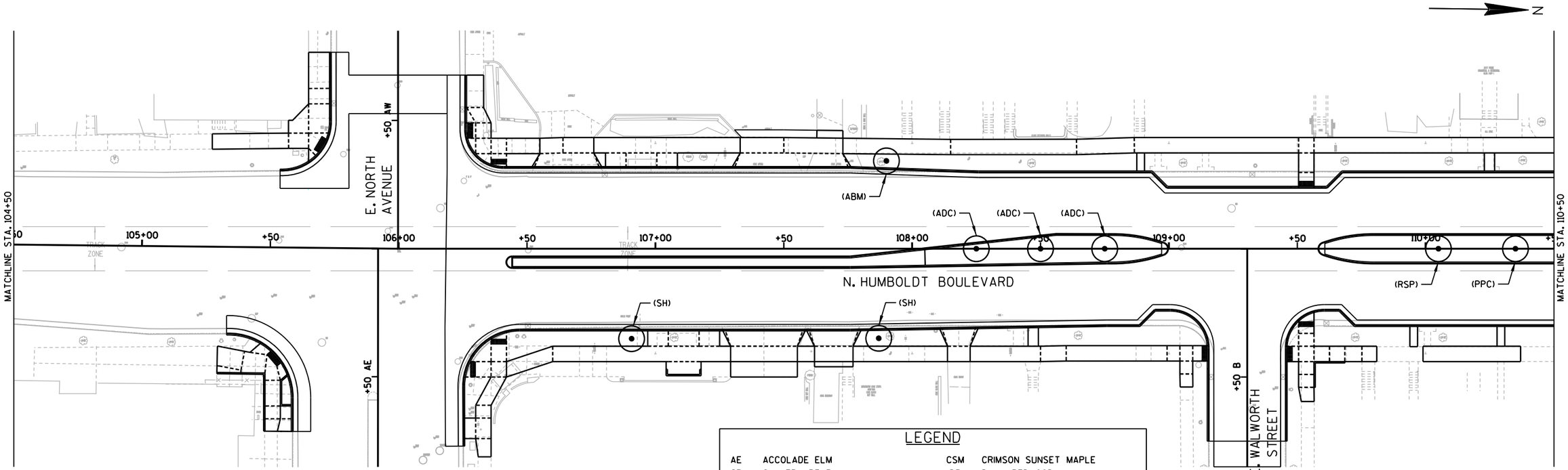
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
												SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
415	119+59.4	27.0'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
416	125+49.9	21.7'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
417	125+92.7	48.9'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
418	126+15.3	20.0'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
419	127+71.0	31.0'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
420	128+65.5	20.7'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
421	129+19.1	15.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
422	129+20.7	15.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
423	129+55.5	19.0'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
424	129+58.4	20.6'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
425	129+64.9	20.7'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
426	132+15.8	20.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
427	132+20.6	32.1'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
428	132+25.8	49.6'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
429	132+56.0	49.2'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
430	132+85.6	26.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
431	135+66.5	25.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
432	139+21.4	51.8'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
433	139+41.2	19.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
434	139+46.5	22.8'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
435	140+86.5	15.2'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
436	140+88.1	15.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
437	142+32.8	19.9'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
438	145+31.5	6.9'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
439	145+39.2	19.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
440	145+49.4	11.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
441	145+69.4	26.5'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
442	145+78.6	49.8'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
443	146+61.1	22.7'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
444	148+01.2	13.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
445	148+03.0	12.8'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
446	150+57.4	20.2'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
447	151+00.7	7.6'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
448	152+41.8	46.1'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
449	152+29.1	22.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
450	152+57.3	20.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
451	152+60.8	29.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
452	153+95.3	4.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
453	155+46.1	62.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
454	155+54.5	77.3'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
455	155+62.0	48.3'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
456	155+65.1	50.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
457	156+56.9	18.2'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
458	158+86.4	27.9'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
459	159+05.5	52.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
460	159+04.4	50.1'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
461	159+31.2	25.9'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
462	159+34.7	19.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
463	165+66.5	52.3'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
464	165+69.3	24.4'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
465	165+57.4	69.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
466	165+63.5	50.4'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
467	165+89.3	23.3'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
468	165+92.6	20.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
469	166+35.4	14.8'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
470	169+69.0	21.3'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
471	171+89.2	17.7'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
472	172+16.9	23.9'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
473	172+23.4	50.8'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
474	172+24.5	2.5'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
475	172+48.5	25.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
476	174+53.1	49.3'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
477	177+13.2	25.7'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
478	176+08.2	33.2'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
479	177+27.7	51.4'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
480	177+28.1	9.2'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
481	177+50.6	19.6'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
482	180+92.2	21.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
483	185+05.4	19.3'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
484	185+03.7	28.6'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
485	185+15.1	22.0'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
486	185+38.8	7.0'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
487	185+29.7	45.9'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
488	185+39.0	36.5'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
489	185+71.9	36.4'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
490	185+67.0	16.2'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
491	185+70.8	33.5'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
492	185+21.3	46.2'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
493	185+20.6	49.1'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ADJUSTING WATER BOXES REQ'D
551	145+54.7	103.0'LT	16.8	309	44B	MS 57	-	-	87.94	87.19	3.68	12	84.51	84.00	17	3.00%	1-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
												SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
571	145+88.9	110.0'LT	18.3	309	44A	MS 57	-	-	88.15	87.07	7.07	12	84.00	83.81	18	1.06%	4-FT SUMP REQ'D
700	111+79.4	0.4'RT	-	-	-	-	-	MS 58-A	98.11	-	-	-	-	-	-	-	
701	112+46.9	1.1'RT	-	-	-	-	-	MS 58-A	98.81	-	-	-	-	-	-	-	
702	114+01.3	0.3'RT	-	-	-	-	-	MS 58-A	97.37	-	-	-	-	-	-	-	
703	114+09.4	6.4'LT	-	-	-	-	-	MS 58-A	96.74	-	-	-	-	-	-	-	
704	114+41.7	1.2'RT	-	-	-	-	-	MS 23-A	96.23	-	-	-	-	-	-	-	
705	114+89.2	6.4'LT	-	-	-	-	-	MS 58-A	94.55	-	-	-	-	-	-	-	
706	116+89.6	0.9'RT	-	-	-	-	-	MS 58-A	90.34	-	-	-	-	-	-	-	
707	118+61.1	0.7'LT	-	-	-	-	-	MS 58-A	90.36	-	-	-	-	-	-	-	
708	118+77.3	6.6'LT	-	-	-	-	-	MS 58-A	89.96	-	-	-	-	-	-	-	
709	125+47.5	12.4'LT	-	-	-	-	-	MS 58-A	92.78	-	-	-	-	-	-	-	
710	127+22.7	6.2'LT	-	-	-	-	-	MS 58-A	95.23	-	-	-	-	-	-	-	
711	128+18.9	6.2'LT	-	-	-	-	-	MS 58-A	96.31	-	-	-	-	-	-	-	
712	129+11.3	5.9'LT	-	-	-	-	-	MS 58-A	96.63	-	-	-	-	-	-	-	
713	132+47.7	6.2'LT	-	-	-	-	-	MS 23-A	94.98	-	-	-	-	-	-	-	
714	136+95.9	7.7'RT	-	-	-	-	-	MS 58-A	89.20	-	-	-	-	-	-	-	
715	138+47.9	2.9'RT	-	-	-	-	-	MS 58-A	91.20	-	-	-	-	-	-	-	
716	139+87.2	0.1'RT	-	-	-	-	-	MS 58-A	91.58	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
718	145+72.8	29.7'LT	-	-	-	-	-	MS 58-A	88.06	-	-	-	-	-	-	-	
719	145+84.8	28.1'LT	-	-	-	-	-	MS 58-A	88.07	-	-	-	-	-	-	-	
720	145+91.6	27.2'LT	-	-	-	-	-	MS 58-A	88.02	-	-	-	-	-	-	-	
722	146+26.1	30.6'RT	-	-	-	-	-	MS 58-A	87.50	-	-	-	-	-	-	-	
723	149+18.4	0.1'RT	-	-	-	-	-	MS 58-A	88.35	-	-	-	-	-	-	-	
724	155+39.0	25.1'RT	-	-	-	-	-	-	85.60	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
725	158+49.0	0.3'RT	-	-	-	-	-	MS 58-A	88.90	-	-	-	-	-	-	-	
726	159+42.7	0.3'RT	-	-	-	-	-	MS 58-A	88.63	-	-	-	-	-	-	-	
727	165+60.1	62.2'LT	-	-	-	-	-	MS 58-A	84.20	-	-	-	-	-	-	-	
728	165+58.2	45.7'LT	-	-	-	-	-	MS 23-A	83.98	-	-	-	-	-	-	-	
729	165+69.4	40.4'LT	-	-	-	-	-	MS 23-A	83.70	-	-	-	-	-	-	-	
730	172+18.2	19.2'LT	-	-	-	-	-	-	78.22	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
731	174+39.0	49.9'RT	-	-	-	-	-	MS 58-A	79.52	-	-	-	-	-	-	-	
732	176+81.5	0.0'RT	-	-	-	-	-	MS 58-A	82.15	-	-	-	-	-	-	-	
733	181+31.7	0.4'LT	-	-	-	-	-	MS 58-A	85.52	-	-	-	-	-	-	-	
734	184+96.0	1.6'RT	-	-	-	-	-	MS 58-A	88.41	-	-	-	-	-	-	-	
735	185+81.1	4.5'LT	-	-	-	-	-	MS 58-A	88.43	-	-	-	-	-	-	-	
736	185+89.0	7.8'RT	-	-	-	-	-	MS 58-A	88.55	-	-	-	-	-	-	-	
738	160+58.3	0.3'RT	-	-	-	-	-	MS 58-A	87.88	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D
739	165+66.1	48.1'LT	-	-	-	-	-	MS 58-A	83.82	-	-	-	-	-	-	-	
741	164+04.4	0.2'RT	-	-	-	-	-	MS 58-A	85.39	-	-	-	-	-	-	-	
742	113+40.3	0.1'RT	-	-	-	-	-	MS 58-A	98.86	-	-	-	-	-	-	-	

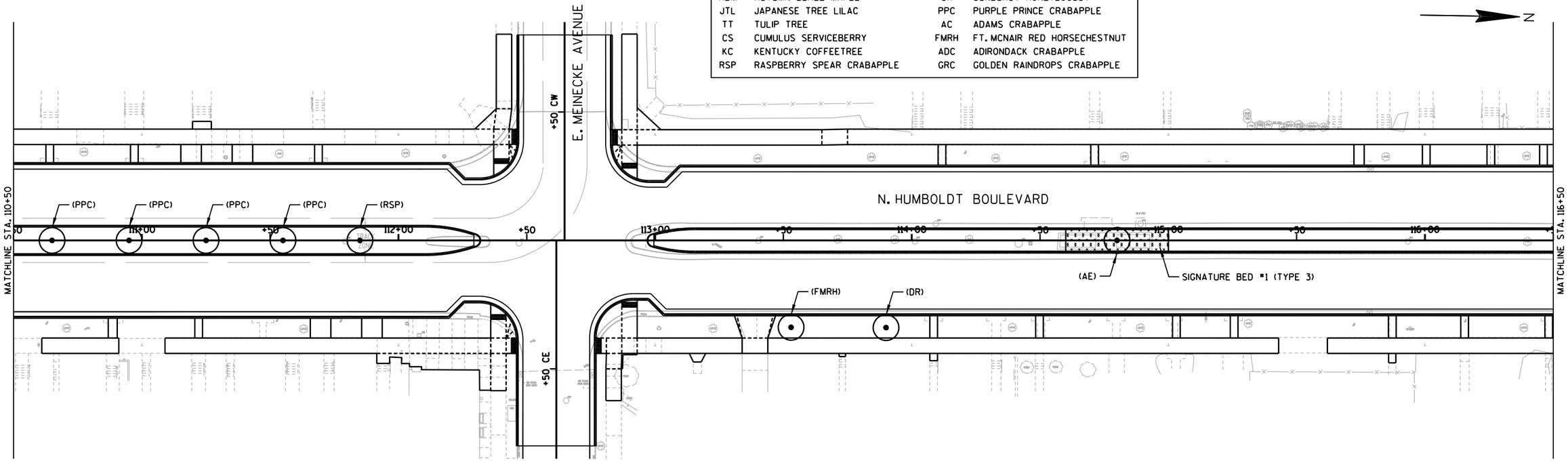
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
800	119+52.6	7.7'RT	-	-	-	-	-	-	90.21	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
801	119+52.9	15.5'RT	-	-	-	-	-	-	90.13	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
802	145+28.7	4.4'RT	-	-	-	-	-	-	87.66	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
803	145+65.3	31.7'LT	-	-	-	-	-	-	87.95	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
804	145+69.2	21.3'LT	-	-	-	-	-	-	88.09	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
805	150+52.2	24.1'LT	-	-	-	-	-	-	86.96	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
806	150+64.3	24.3'LT	-	-	-	-	-	-	86.89	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
807	150+99.3	9.4'RT	-	-	-	-	-	-	86.70	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
808	153+95.3	8.8'RT	-	-	-	-	-	-	84.94	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
809	153+99.6	2.9'LT	-	-	-	-	-	-	85.65	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
810	154+03.3	8.8'RT	-	-	-	-	-	-	84.93	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
811	155+50.9	72.5'RT	-	-	-	-	-	-	85.10	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
812	156+46.6	22.0'LT	-	-	-	-	-	-	86.99	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
813	156+55.6	33.2'LT	-	-	-	-	-	-	87.48	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
814	156+60.3	22.0'LT	-	-	-	-	-	-	87.12	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
815	158+05.8	21.4'LT	-	-	-	-	-	-	88.53	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
816	158+97.2	19.6'LT	-	-	-	-	-	-	88.89	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
817	165+70.1	30.5'LT	-	-	-	-	-	-	83.62	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
818	165+70.8	18.6'LT	-	-	-	-	-	-	83.57	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
819	166+23.2	19.1'LT	-	-	-	-	-	-	83.21	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
820	166+30.5	3.1'LT	-	-	-	-	-	-	83.83	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
821	166+38.1	3.2'LT	-	-	-	-	-	-	83.78	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
822	172+08.2	32.1'LT	-	-	-	-	-	-	78.10	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
823	172+16.7	8.9'LT	-	-	-	-	-	-	78.44	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
824	172+23.8	8.7'LT	-	-	-	-	-	-	78.39	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
825	184+07.1	18.8'LT	-	-	-	-	-	-	87.07	-	-	-	-	-	-	-	ADJUSTING WATER MANHOLES REQ'D
899	147+54.0	32.6'LT	25.0	909	44A	MS 57	-	-	86.94	85.86	6.61	12	83.25	83.12	25	0.52%	4-FT SUMP REQ'D
900	147+31.0	32.1'RT	12.0	910	44A	MS 57	-	-	86.49	85.74	6.74	12	83.00	82.94	12	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
901	174+60.1	33.7'RT	40.2	319	44A	MS 57	-	-	79.30	78.55	6.57	15	75.98	75.78	40	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
902	172+54.0	29.9'RT	10.0	903	44A	MS 57	-	-	77.48	76.73	6.53	12	74.20	74.15	10	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
903	172+64.0	29.9'RT	29.7	950	44A	MS 57	-	-	77.49	76.74	6.59	15	74.15	74.00	30	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
904	172+53.0	29.9'LT	9.9	273	44A	MS 57	-	-	77.79	76.71	6.96	12	73.75	73.65	10	1.00%	4-FT SUMP REQ'D
905	159+14.0	51.0'LT	22.5	233	44A	MS 57	-	-	88.66	87.58	6.91	12	84.67	84.21	23	2.00%	4-FT SUMP REQ'D
909	147+29.0	32.6'LT	91.9	205	44A	MS 57	-	-	86.86	86.11	6.99	15	83.12	82.66	92	0.50%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
910	147+19.0	32.5'RT	76.9	194	44A	MS 57	-	-	86.43	85.68	6.74	12	82.94	82.56	77	0.49%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
911	145+55.7	66.0'RT	16.3	186	44A	MS 57	-	-	87.50	86.42	7.42	12	83.00	82.68	16	2.00%	4-FT SUMP REQ'D
912	131+88.0	30.6'RT	38.5	251	44A	MS 57	-	-	94.49	93.41	11.22	12	86.19	86.00	39	0.49%	4-FT SUMP REQ'D, UNDER WATER
913	131+90.0	30.6'LT	25.0	251	44A	MS 57	-	-	94.80	93.72	7.11	12	90.61	90.36	25	1.00%	4-FT SUMP REQ'D
915	122+99.0	27.9'RT	29.0	152	44A	MS 57	-	-	89.94	89.19	6.64	12	86.55	86.40	29	0.52%	4-FT SUMP REQ'D; 2-INCHES ADJUSTING RINGS REQ'D
916	122+70.0	27.9'LT	14.1	942	44A	MS 57	-	-	90.41	89.33	6.55	12	86.78	86.50	14	2.00%	4-FT SUMP REQ'D
917	120+00.0	27.9'RT	35.0	148	44A	MS 57	-	-	89.63	88.55	6.50	12	86.05	85.90	35	0.43%	4-FT SUMP REQ'D

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MANHOLE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
918	105+73.6	56.4' LT	26.3	940	44A	MS 57	-	-	78.91	77.83	6.90	12	74.93	74.67	26	1.00%	4-FT SUMP REQ'D
919	106+25.0	61.0' LT	25.7	940	44A	MS 57	-	-	80.93	79.85	13.22	12	70.63	70.50	26	0.50%	4-FT SUMP REQ'D
922	142+73.0	28.9' RT	42.5	191	44A	MS 57	-	-	88.84	87.76	6.51	12	85.25	85.04	42	0.50%	4-FT SUMP REQ'D
923	134+80.0	28.9' LT	23.5	173	44A	MS 57	-	-	91.19	90.11	7.37	12	86.74	86.50	24	1.00%	4-FT SUMP REQ'D
924	134+80.0	28.9' RT	35.0	173	44A	MS 57	-	-	90.93	89.85	10.10	12	83.75	83.40	35	1.00%	4-FT SUMP REQ'D
927	144+65.0	1.0' RT	71.7	182	44A	-	-	MS 58-A	87.32	86.59	7.59	15	83.00	81.56	72	2.00%	4-FT SUMP REQ'D
928	152+84.0	17.5' LT	19.2	202	-	-	4-FT	MS 58-A	85.90	84.57	8.99	18	75.58	75.50	19	0.42%	
929	153+68.0	17.5' LT	83.9	928	-	-	4-FT	MS 58-A	85.09	83.76	7.76	18	76.00	75.58	84	0.50%	
930	156+00.0	8.0' LT	36.9	935	-	-	4-FT	MS 58-A	86.83	85.50	9.78	18	75.72	75.54	37	0.49%	
931	161+73.0	29.9' RT	29.3	218	44A	MS 57	-	-	86.02	84.94	11.14	12	77.80	77.65	29	0.52%	4-FT SUMP REQ'D
932	161+73.0	29.9' LT	30.4	218	44A	MS 57	-	-	86.11	85.03	13.13	12	75.90	75.75	30	0.50%	4-FT SUMP REQ'D
935	155+63.0	8.0' LT	7.9	223	-	-	4-FT	MS 58-A	86.44	85.11	9.57	18	75.54	75.50	8	0.50%	
940	105+98.8	63.8' LT	-	-	-	-	-	MS 58-A	80.53	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2)
942	122+56.0	27.9' LT	16.8	151	44A	MS 57	-	-	90.48	89.40	6.90	12	86.50	86.16	17	2.00%	4-FT SUMP REQ'D
943	145+19.0	32.6' LT	37.3	182	44A	MS 57	-	-	87.34	86.26	6.56	12	83.70	83.51	37	0.51%	4-FT SUMP REQ'D
946	154+11.0	29.9' LT	10.0	221	44A	MS 57	-	-	84.66	83.58	7.08	12	80.50	80.45	10	0.50%	4-FT SUMP REQ'D
947	165+24.0	23.9' RT	23.9	228	44A	MS 57	-	-	83.35	82.27	11.77	12	74.50	74.35	24	0.63%	4-FT SUMP REQ'D
948	165+41.6	58.0' LT	-	-	-	-	-	-	83.94	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
949	165+69.9	58.0' LT	-	-	-	-	-	-	83.73	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
950	172+61.0	0.4' RT	-	-	-	-	-	MS 58-A	78.68	-	-	-	-	-	-	-	STORM SEWER TAP REQ'D (2); SEALING PIPES REQ'D (2)

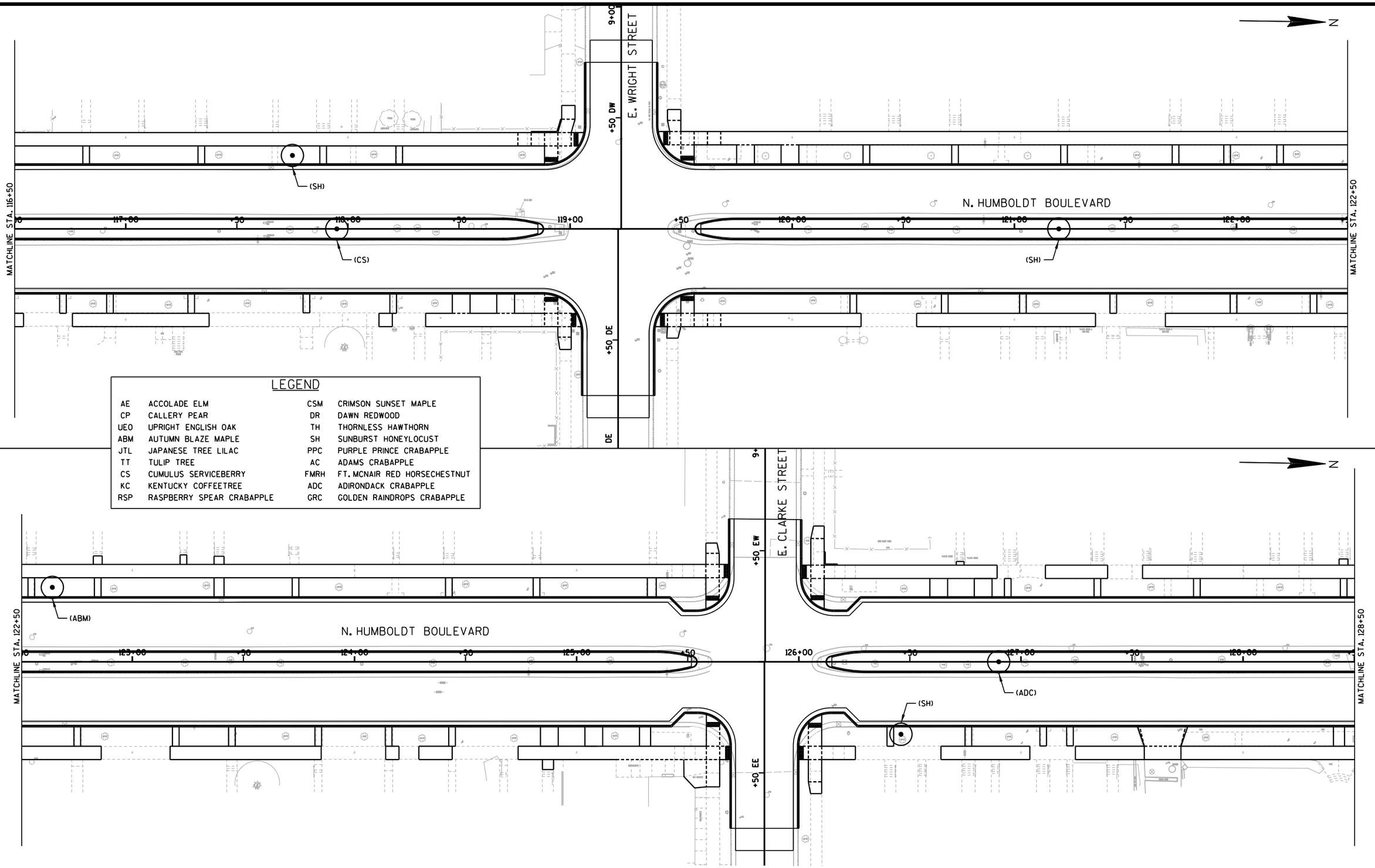


LEGEND

AE	ACCOLADE ELM	CSM	CRIMSON SUNSET MAPLE
CP	CALLERY PEAR	DR	DAWN REDWOOD
UEO	UPRIGHT ENGLISH OAK	TH	THORNLESS HAWTHORN
ABM	AUTUMN BLAZE MAPLE	SH	SUNBURST HONEYLOCUST
JTL	JAPANESE TREE LILAC	PPC	PURPLE PRINCE CRABAPPLE
TT	TULIP TREE	AC	ADAMS CRABAPPLE
CS	CUMULUS SERVICEBERRY	FMRH	FT. MCNAIR RED HORSECHESTNUT
KC	KENTUCKY COFFEETREE	ADC	ADIRONDACK CRABAPPLE
RSP	RASPBERRY SPEAR CRABAPPLE	GRC	GOLDEN RAINDROPS CRABAPPLE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLANTING	SCALE, FEET 0 20 40	SHEET 137	E



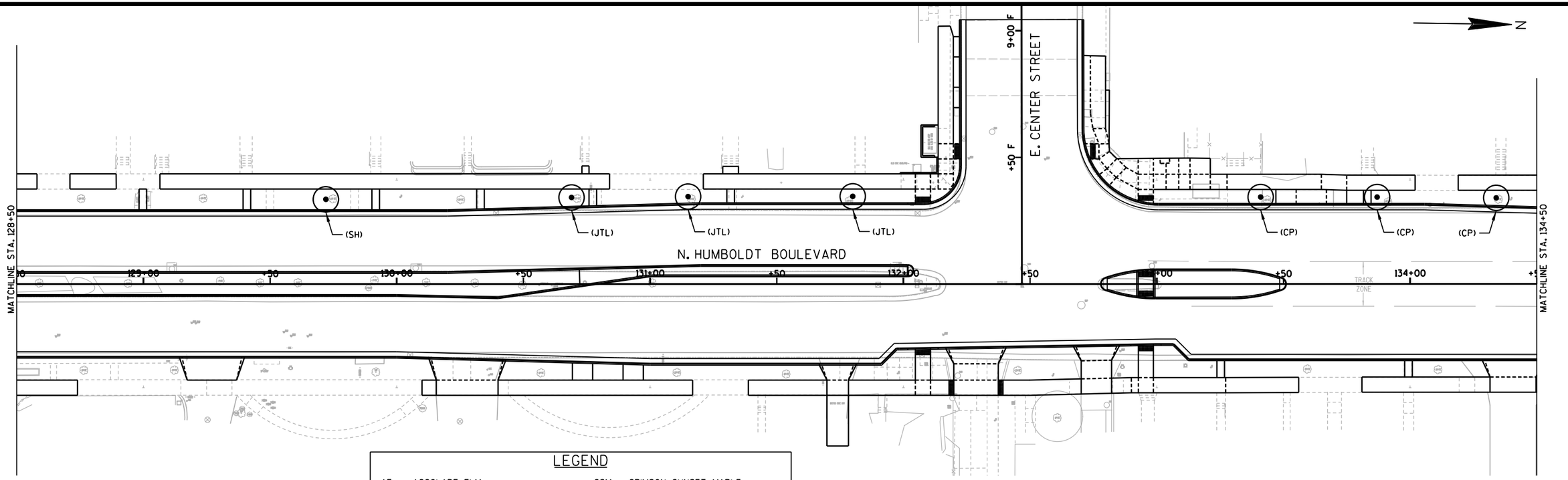
LEGEND

AE	ACCOLADE ELM	CSM	CRIMSON SUNSET MAPLE
CP	CALLERY PEAR	DR	DAWN REDWOOD
UEO	UPRIGHT ENGLISH OAK	TH	THORNLESS HAWTHORN
ABM	AUTUMN BLAZE MAPLE	SH	SUNBURST HONEYLOCUST
JTL	JAPANESE TREE LILAC	PPC	PURPLE PRINCE CRABAPPLE
TT	TULIP TREE	AC	ADAMS CRABAPPLE
CS	CUMULUS SERVICEBERRY	FMRH	FT. MCNAIR RED HORSECHESTNUT
KC	KENTUCKY COFFEETREE	ADC	ADIRONDACK CRABAPPLE
RSP	RASPBERRY SPEAR CRABAPPLE	GRC	GOLDEN RAINDROPS CRABAPPLE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLANTING	SCALE, FEET 0 20 40	SHEET	E

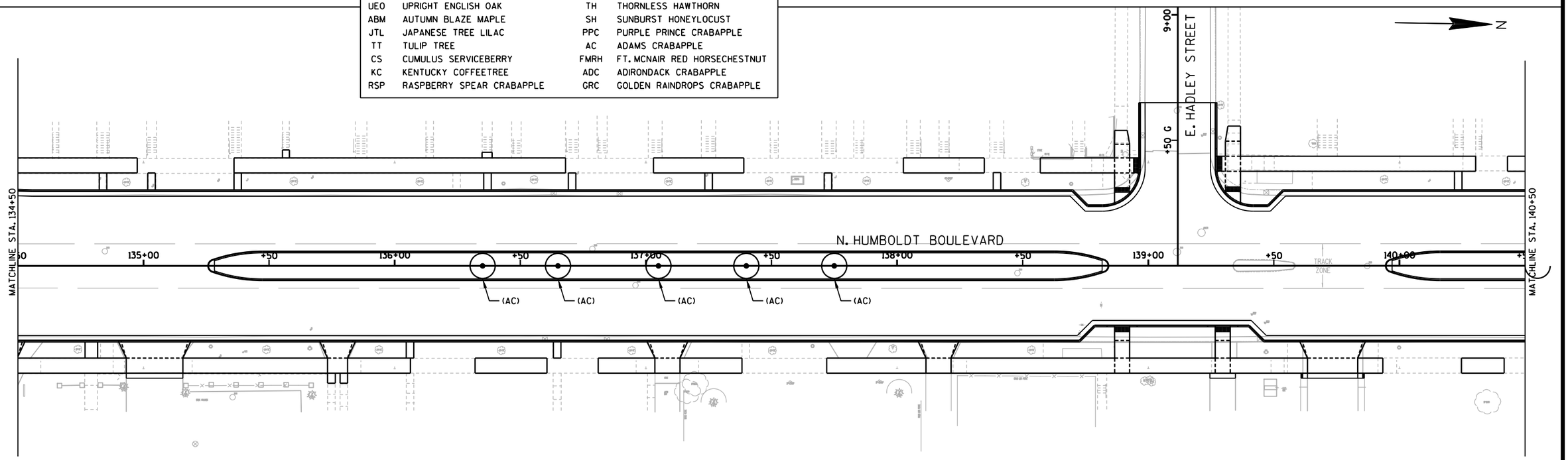
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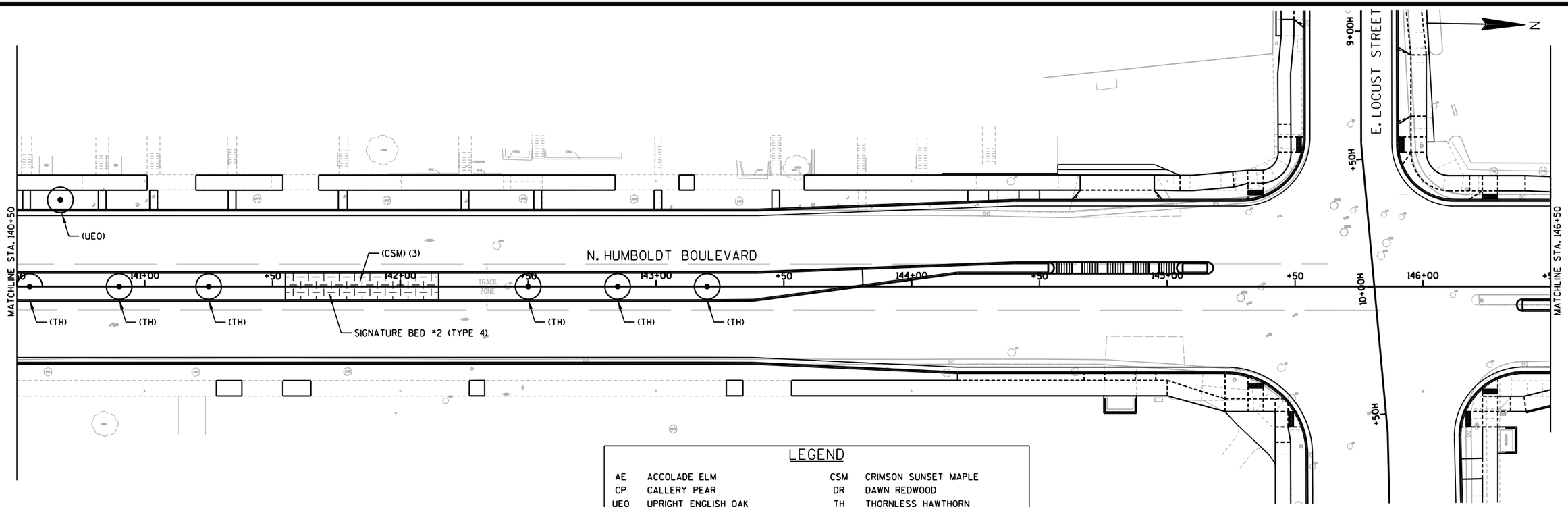


LEGEND

AE	ACCOLADE ELM	CSM	CRIMSON SUNSET MAPLE
CP	CALLERY PEAR	DR	DAWN REDWOOD
UEO	UPRIGHT ENGLISH OAK	TH	THORNLESS HAWTHORN
ABM	AUTUMN BLAZE MAPLE	SH	SUNBURST HONEYLOCUST
JTL	JAPANESE TREE LILAC	PPC	PURPLE PRINCE CRABAPPLE
TT	TULIP TREE	AC	ADAMS CRABAPPLE
CS	CUMULUS SERVICEBERRY	FMRH	FT. MCNAIR RED HORSECHESTNUT
KC	KENTUCKY COFFEETREE	ADC	ADIRONDACK CRABAPPLE
RSP	RASPBERRY SPEAR CRABAPPLE	GRC	GOLDEN RAINDROPS CRABAPPLE

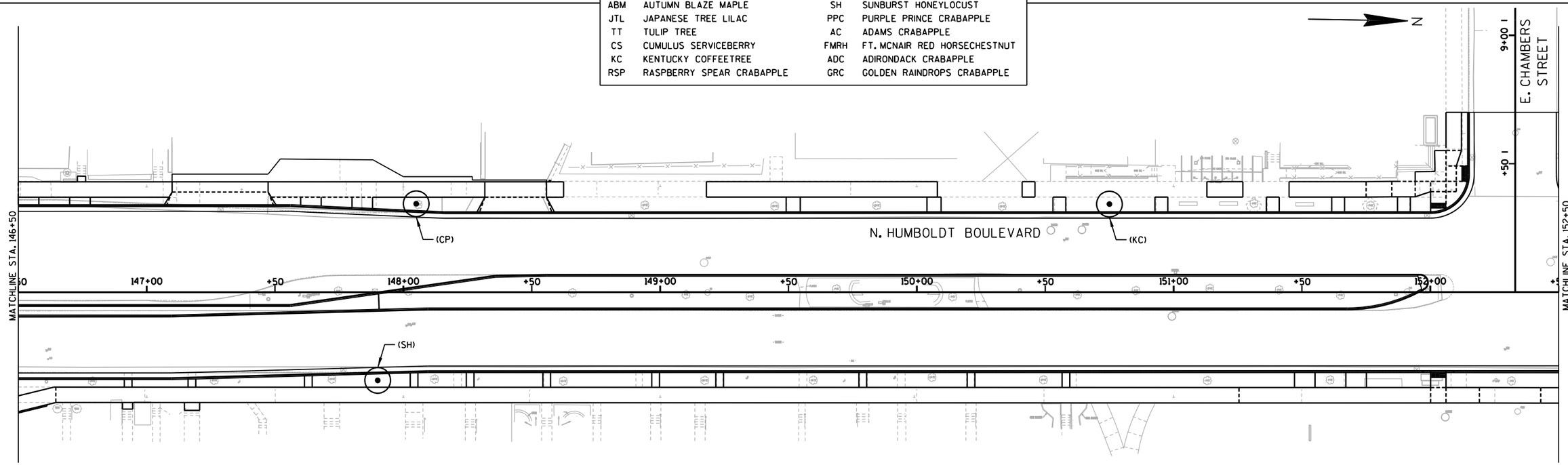


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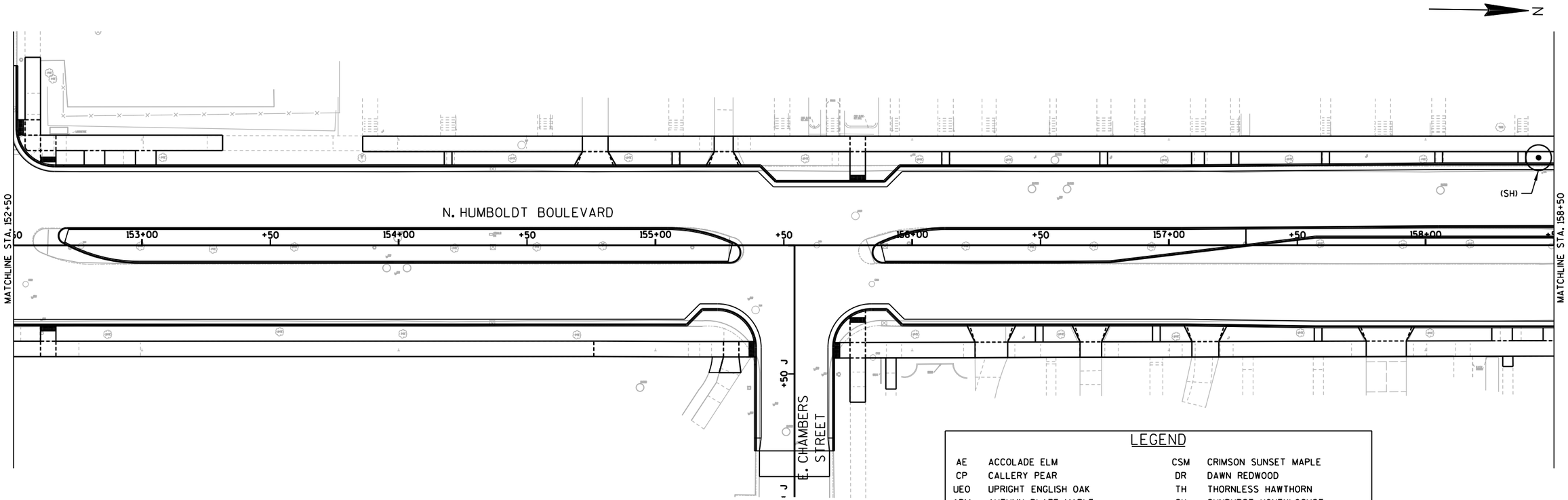


LEGEND

AE	ACCOLADE ELM	CSM	CRIMSON SUNSET MAPLE
CP	CALLERY PEAR	DR	DAWN REDWOOD
UEO	UPRIGHT ENGLISH OAK	TH	THORNLESS HAWTHORN
ABM	AUTUMN BLAZE MAPLE	SH	SUNBURST HONEYLOCUST
JTL	JAPANESE TREE LILAC	PPC	PURPLE PRINCE CRABAPPLE
TT	TULIP TREE	AC	ADAMS CRABAPPLE
CS	CUMULUS SERVICEBERRY	FMRH	FT. MCNAIR RED HORSECHESTNUT
KC	KENTUCKY COFFEETREE	ADC	ADIRONDACK CRABAPPLE
RSP	RASPBERRY SPEAR CRABAPPLE	GRC	GOLDEN RAINDROPS CRABAPPLE

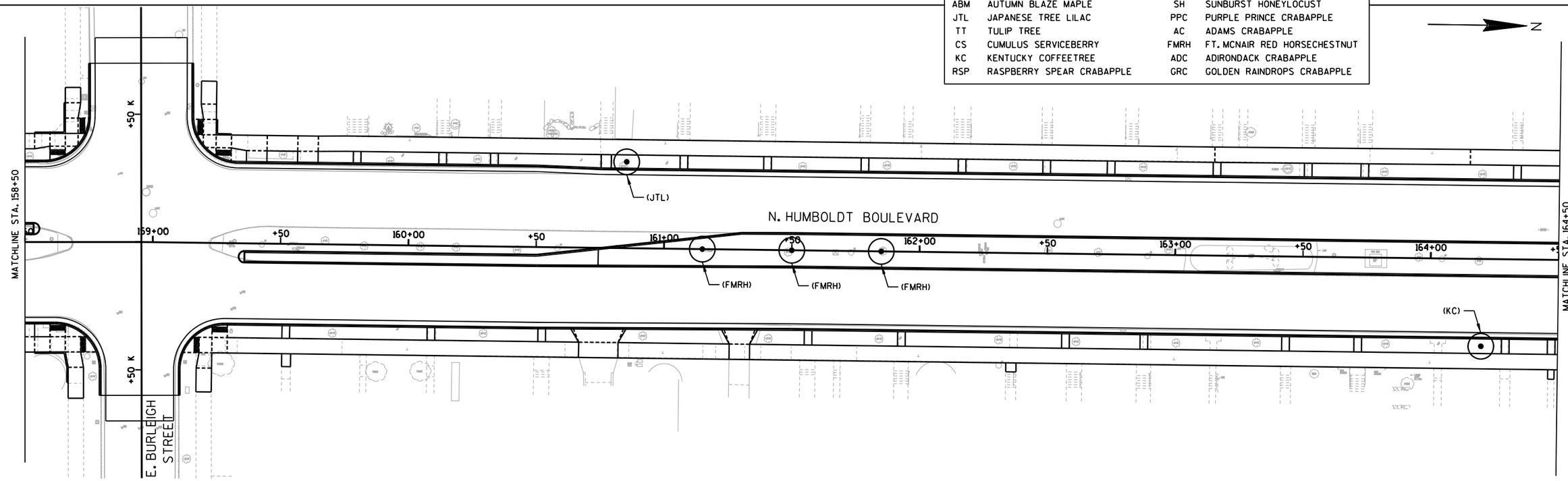


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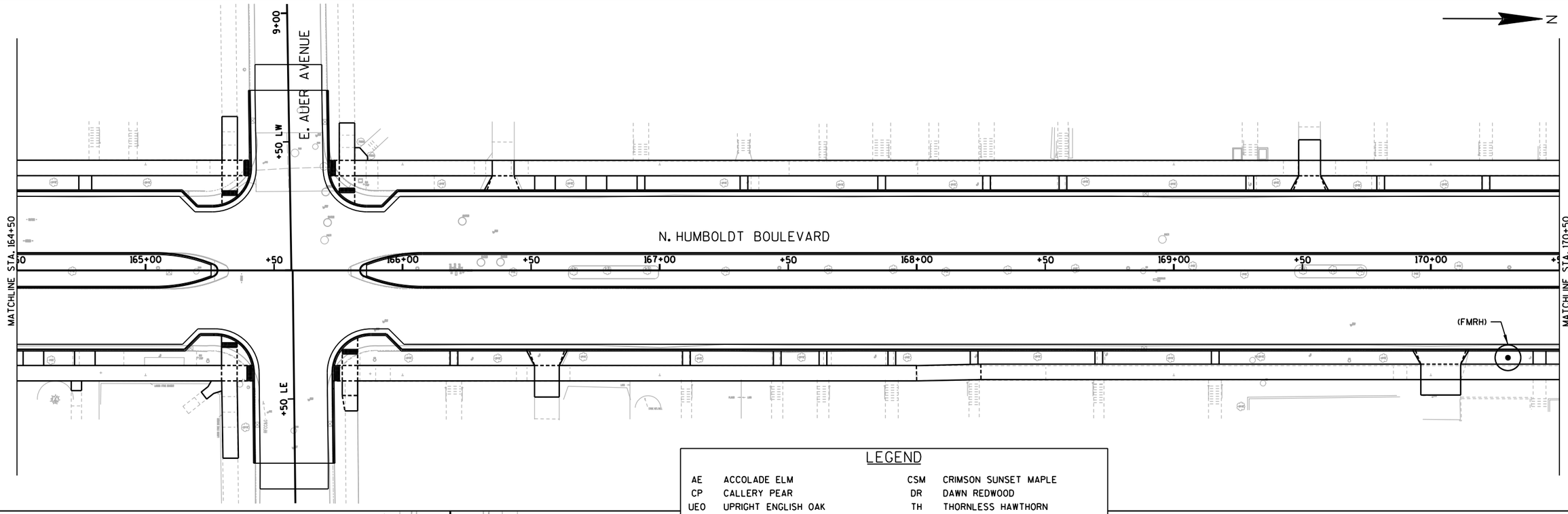


LEGEND

AE	ACCOLADE ELM	CSM	CRIMSON SUNSET MAPLE
CP	CALLERY PEAR	DR	DAWN REDWOOD
UEO	UPRIGHT ENGLISH OAK	TH	THORNLESS HAWTHORN
ABM	AUTUMN BLAZE MAPLE	SH	SUNBURST HONEYLOCUST
JTL	JAPANESE TREE LILAC	PPC	PURPLE PRINCE CRABAPPLE
TT	TULIP TREE	AC	ADAMS CRABAPPLE
CS	CUMULUS SERVICEBERRY	FMRH	FT. MCNAIR RED HORSECHESTNUT
KC	KENTUCKY COFFEETREE	ADC	ADIRONDACK CRABAPPLE
RSP	RASPBERRY SPEAR CRABAPPLE	GRC	GOLDEN RAINDROPS CRABAPPLE

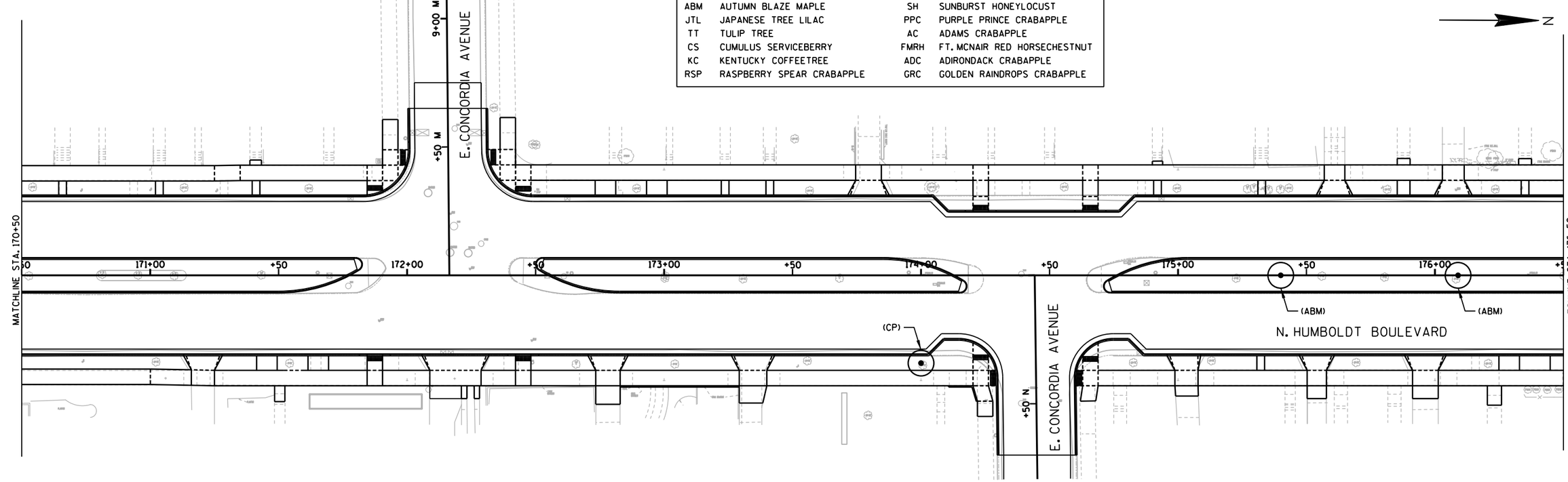


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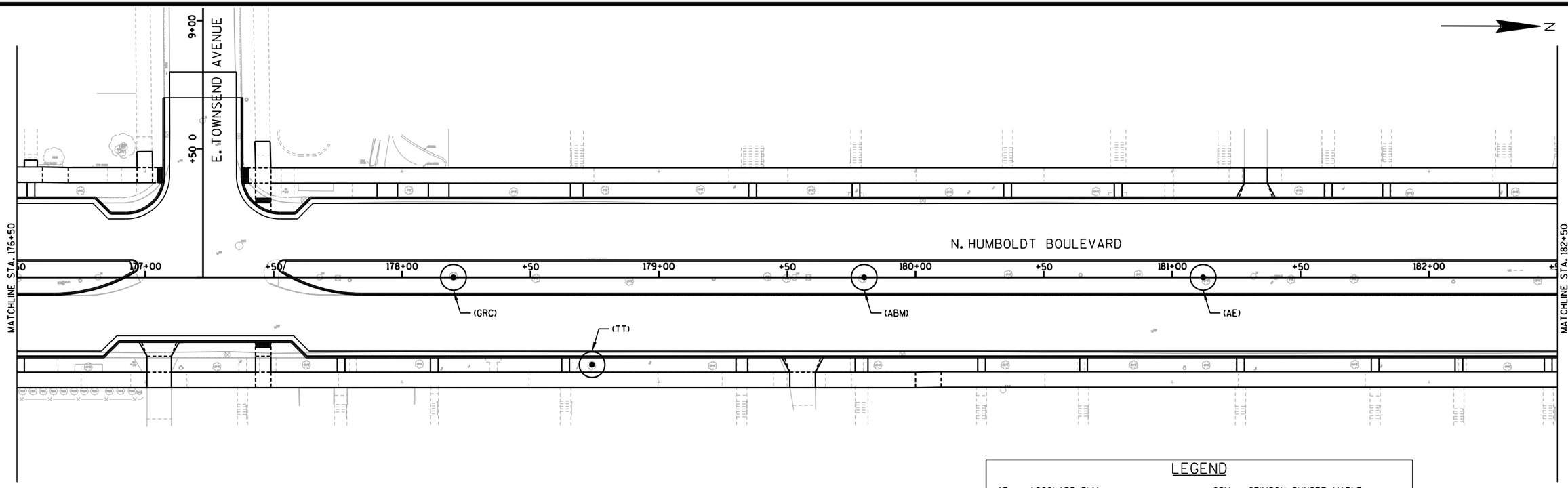


LEGEND

AE	ACCOLADE ELM	CSM	CRIMSON SUNSET MAPLE
CP	CALLERY PEAR	DR	DAWN REDWOOD
UEO	UPRIGHT ENGLISH OAK	TH	THORNLESS HAWTHORN
ABM	AUTUMN BLAZE MAPLE	SH	SUNBURST HONEYLOCUST
JTL	JAPANESE TREE LILAC	PPC	PURPLE PRINCE CRABAPPLE
TT	TULIP TREE	AC	ADAMS CRABAPPLE
CS	CUMULUS SERVICEBERRY	FMRH	FT. MCNAIR RED HORSECHESTNUT
KC	KENTUCKY COFFEETREE	ADC	ADIRONDACK CRABAPPLE
RSP	RASPBERRY SPEAR CRABAPPLE	GRC	GOLDEN RAINDROPS CRABAPPLE

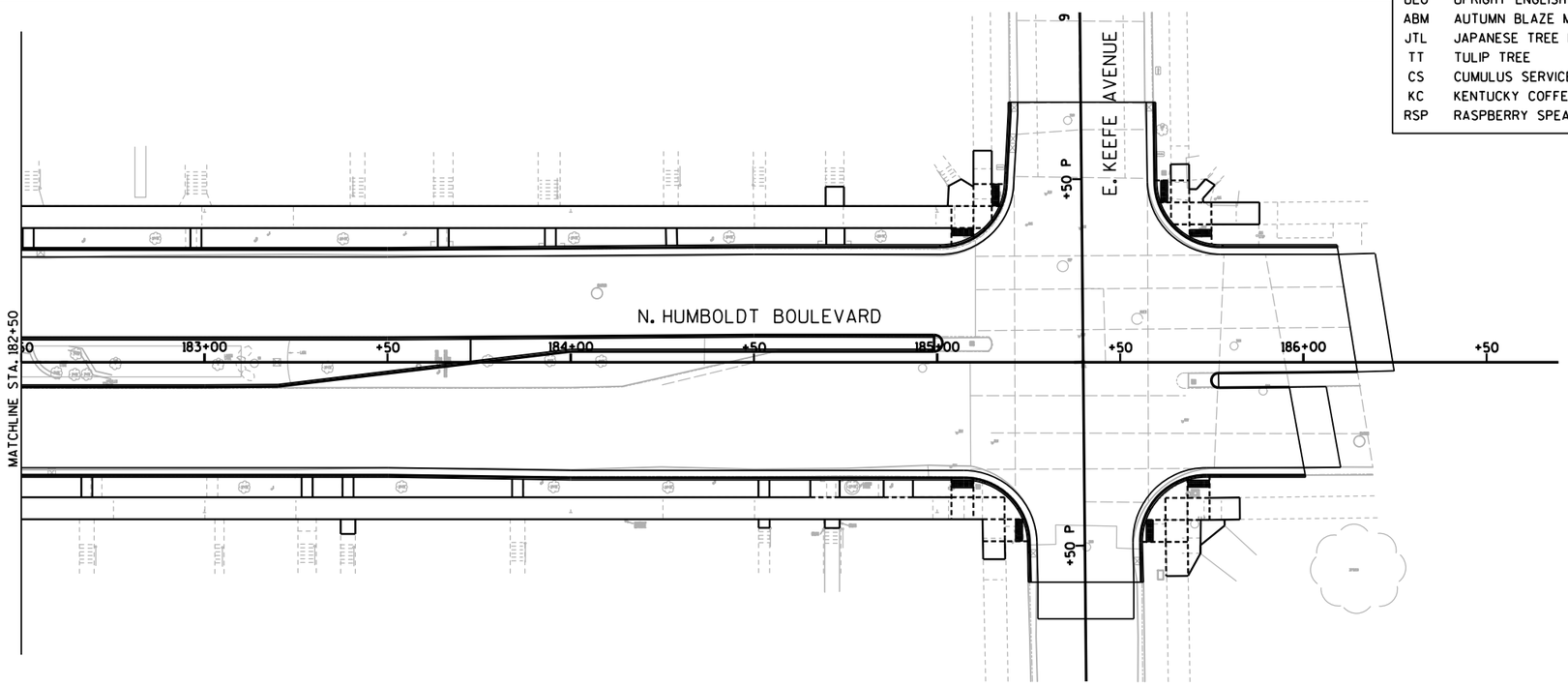


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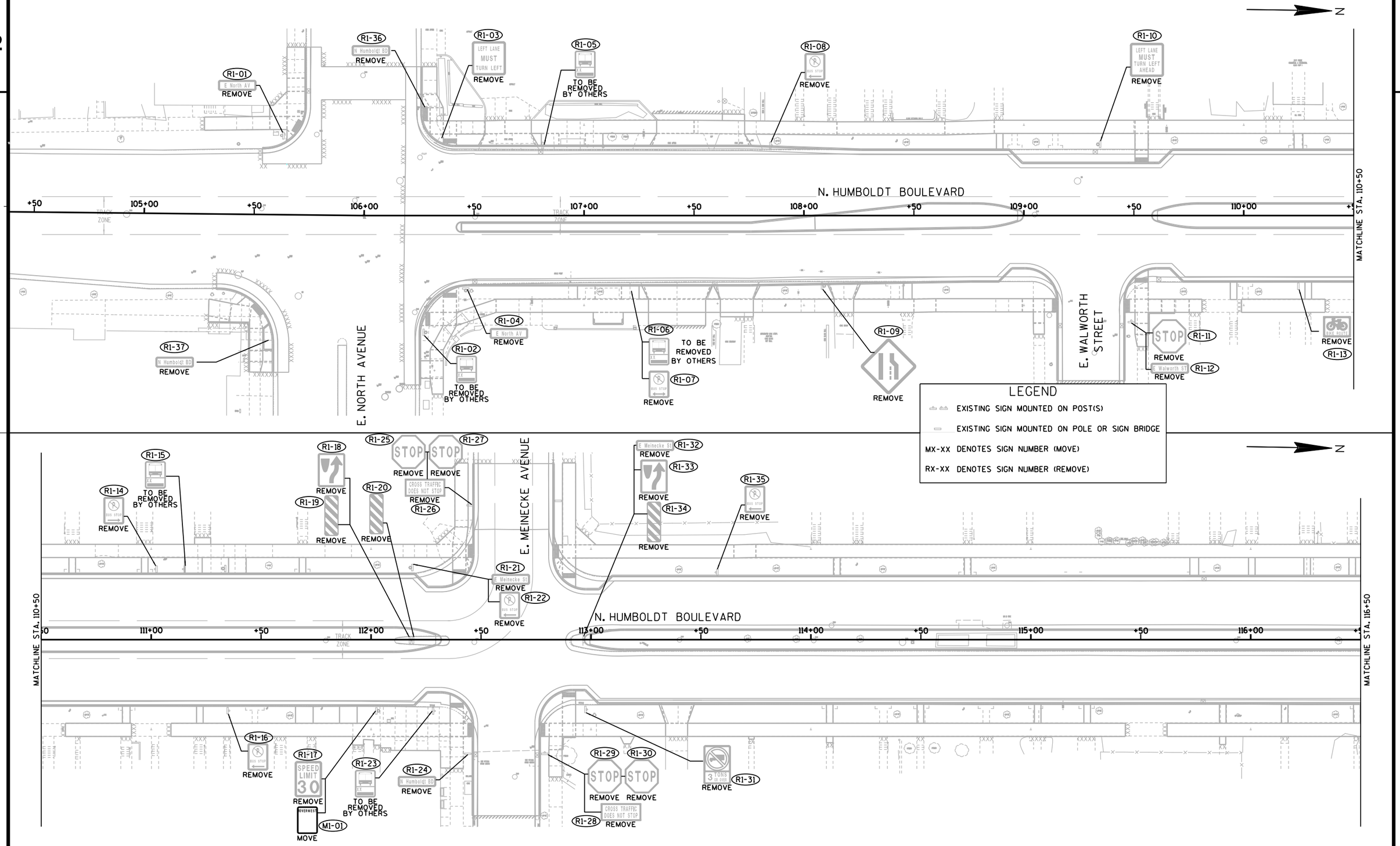
LEGEND

AE	ACCOLADE ELM	CSM	CRIMSON SUNSET MAPLE
CP	CALLERY PEAR	DR	DAWN REDWOOD
UEO	UPRIGHT ENGLISH OAK	TH	THORNLESS HAWTHORN
ABM	AUTUMN BLAZE MAPLE	SH	SUNBURST HONEYLOCUST
JTL	JAPANESE TREE LILAC	PPC	PURPLE PRINCE CRABAPPLE
TT	TULIP TREE	AC	ADAMS CRABAPPLE
CS	CUMULUS SERVICEBERRY	FMRH	FT. MCNAIR RED HORSECHESTNUT
KC	KENTUCKY COFFEETREE	ADC	ADIRONDACK CRABAPPLE
RSP	RASPBERRY SPEAR CRABAPPLE	GRC	GOLDEN RAINDROPS CRABAPPLE

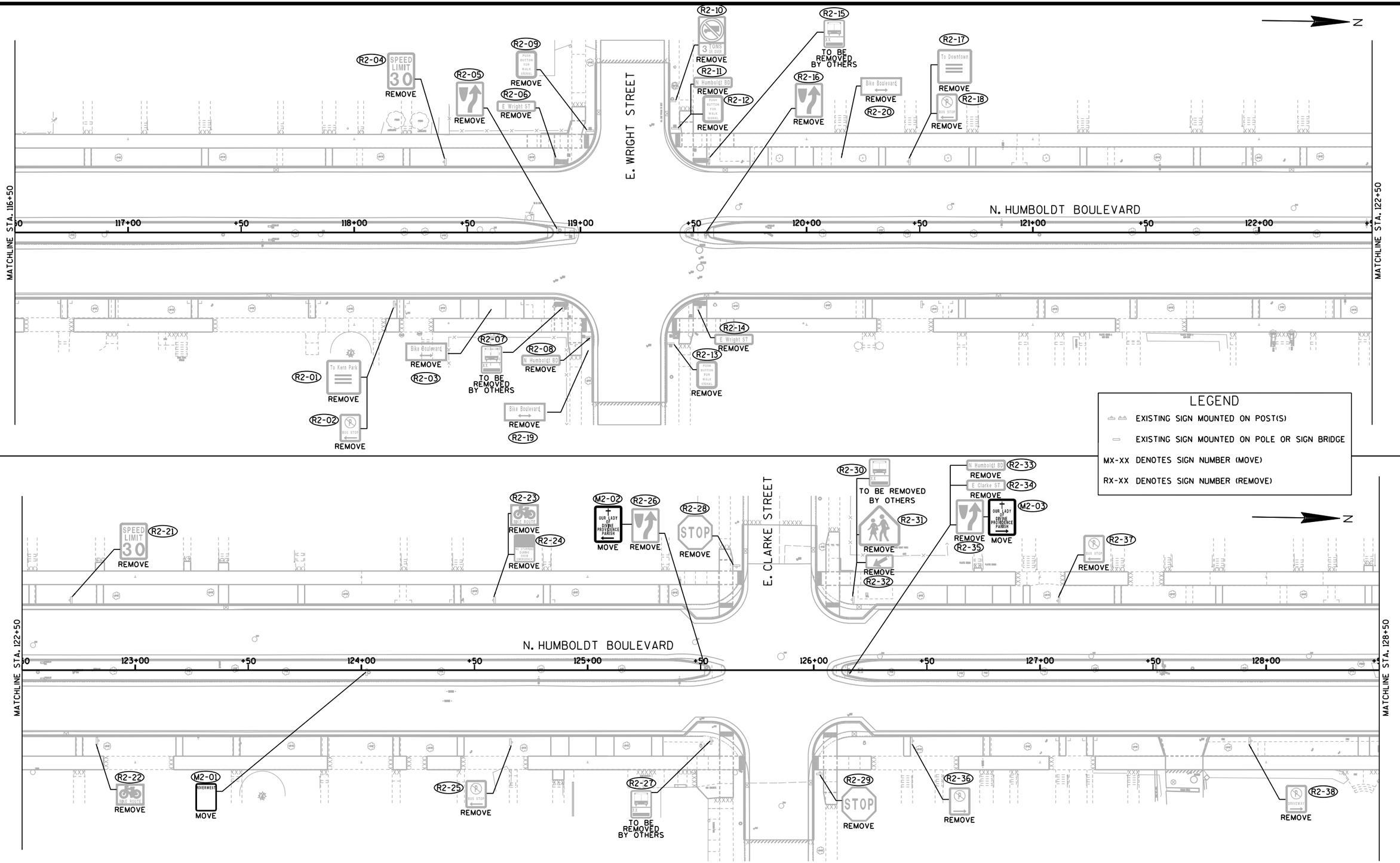


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLANTING	SCALE, FEET 0 20 40	SHEET	E

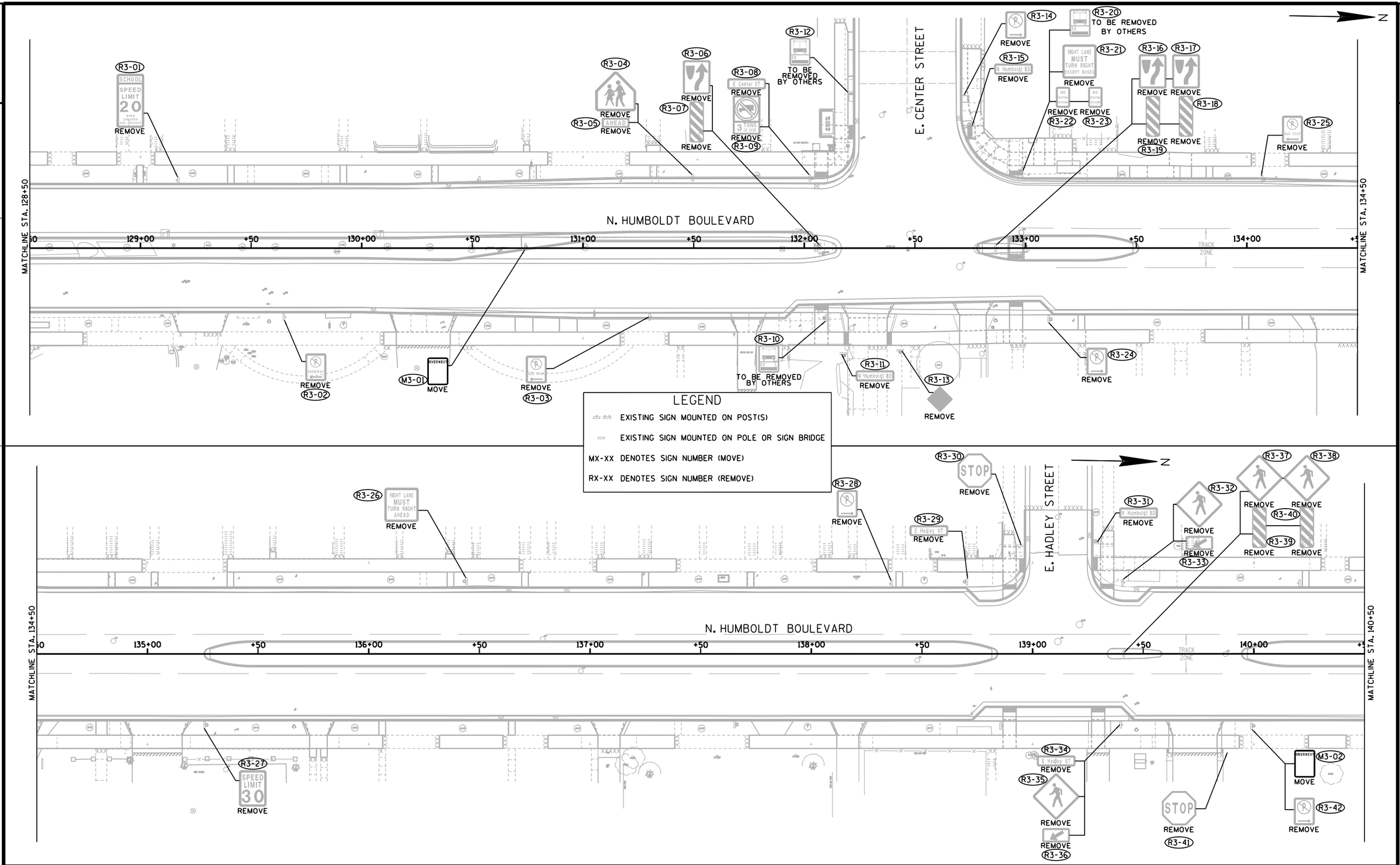
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PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN REMOVAL DETAILS	SCALE, FEET 0 20 40	SHEET 144	E

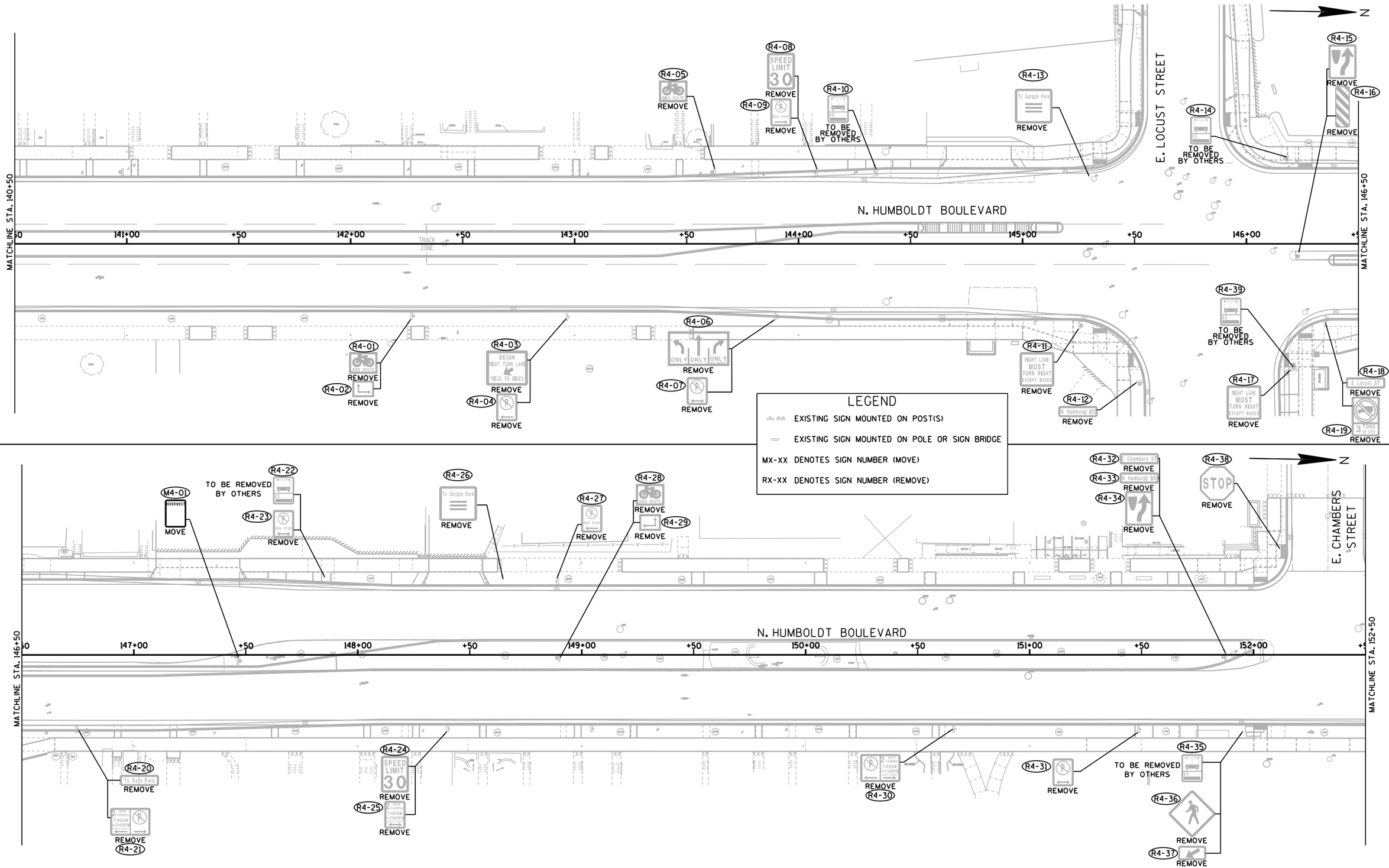


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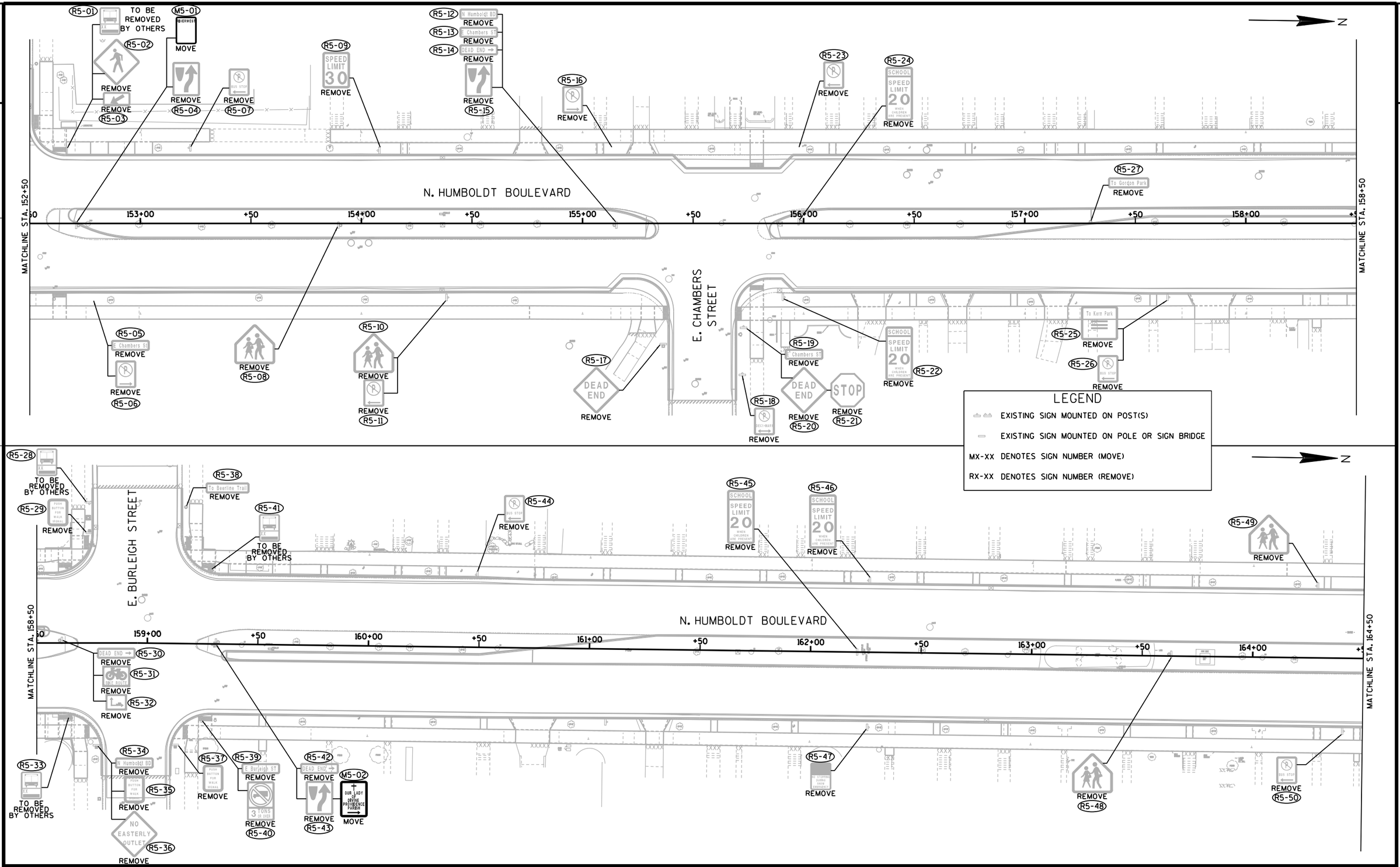


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN REMOVAL DETAILS	SCALE, FEET 0 20 40	SHEET E

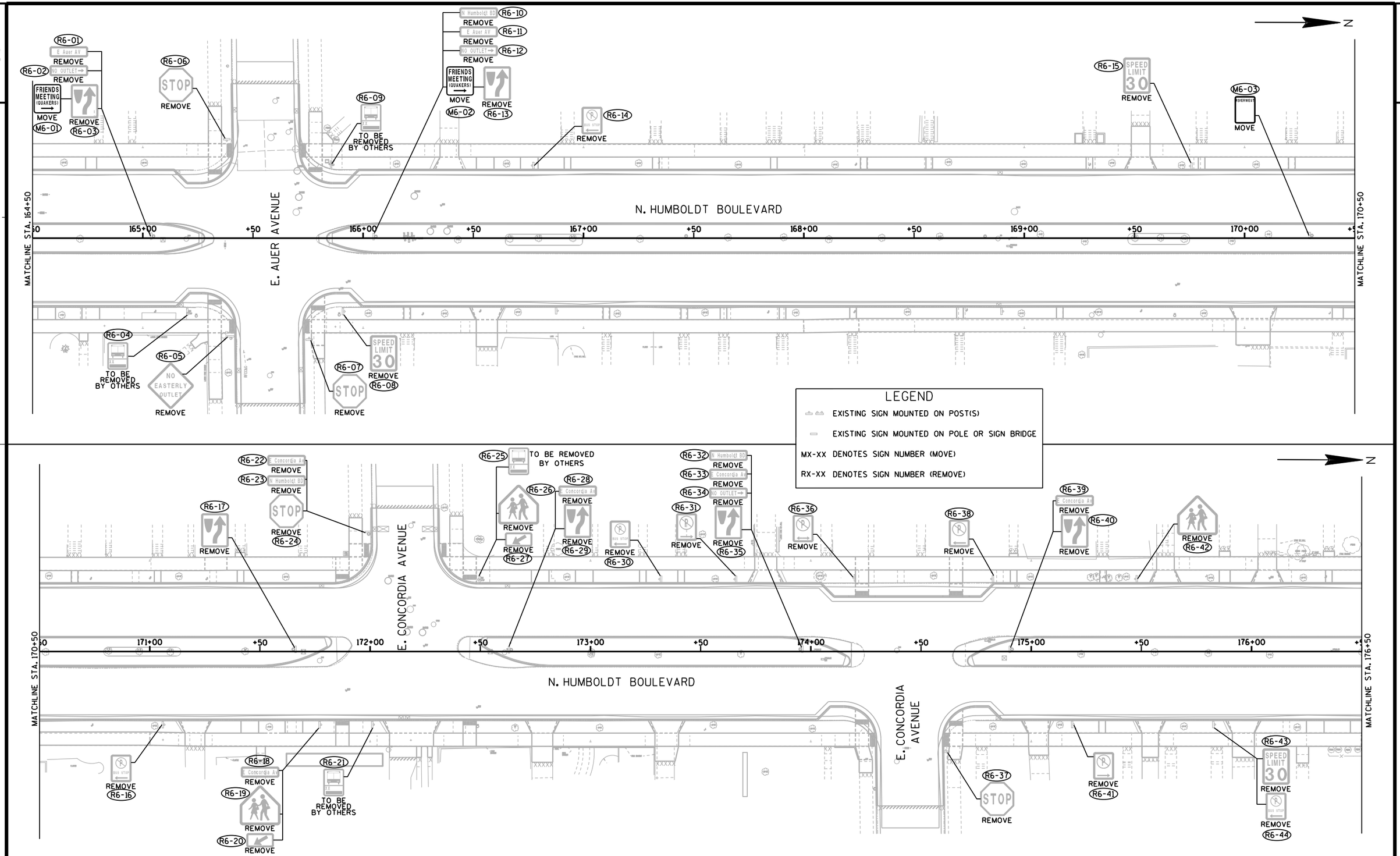
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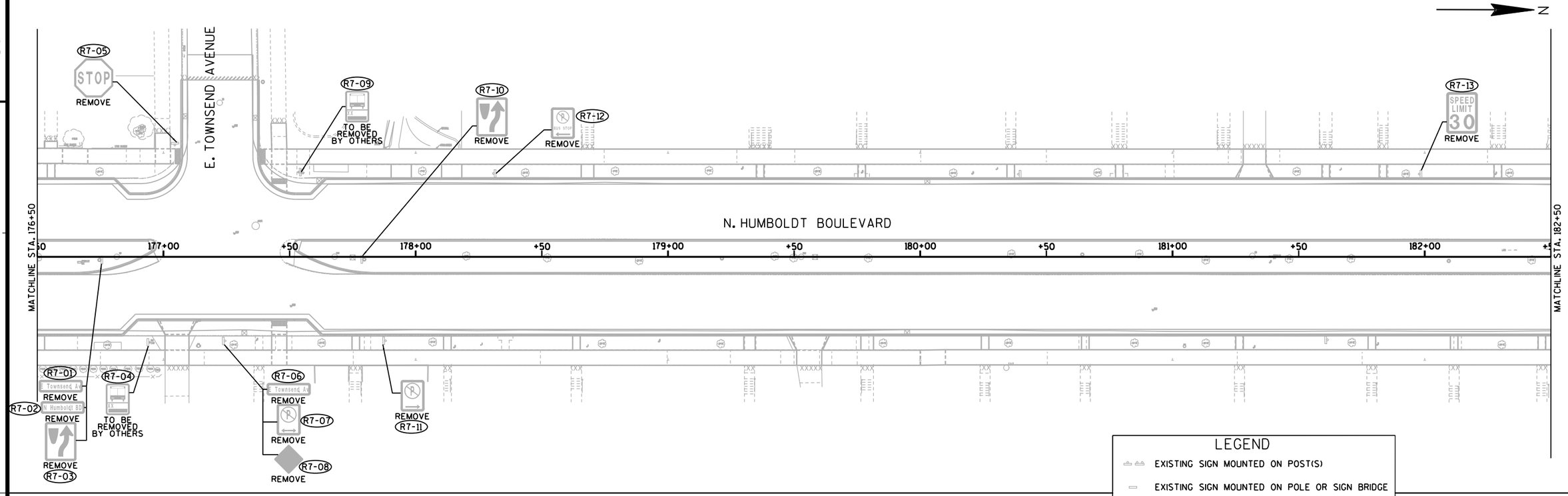


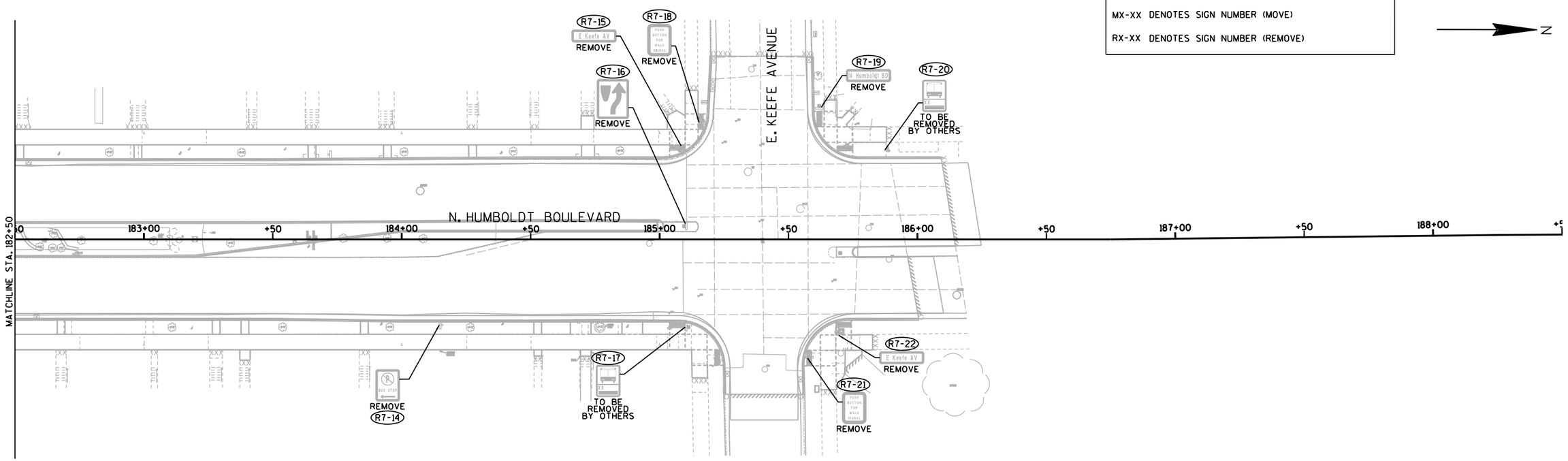
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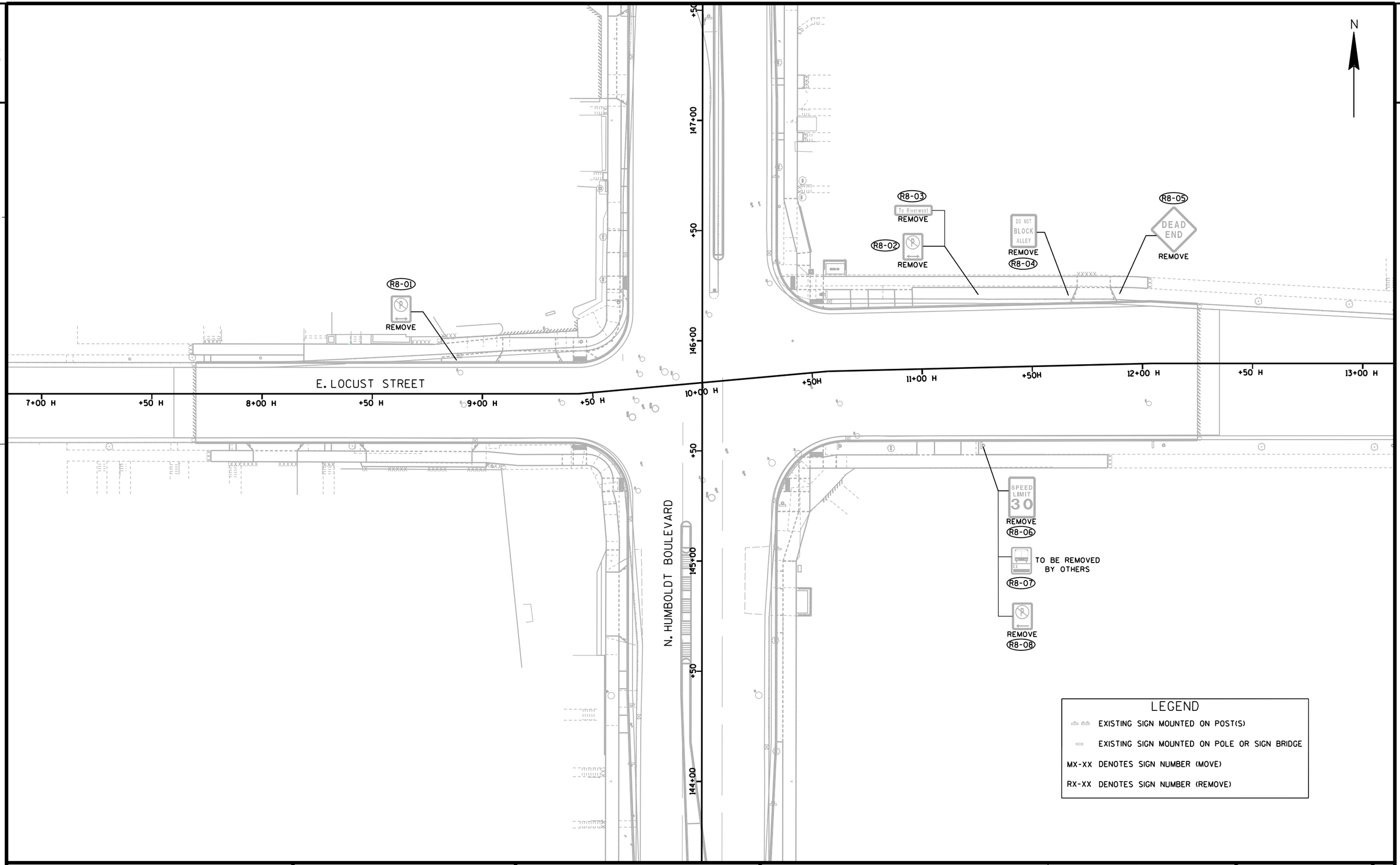
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PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN REMOVAL DETAILS	SCALE, FEET 0 20 40	SHEET 150	E



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN REMOVAL DETAILS	SCALE, FEET 0 20 40	SHEET 151	E

1-1
E North AV
D3-1
30" X 10"

1-2
N Humboldt AV
D3-1
36" X 10"

1-3
R7-1SM
12" X 18"

1-4
BEGIN
RIGHT TURN LANE
YIELD TO BIKES
R4-4
36" X 30"

1-5
R7-1SM
12" X 18"

1-6
R4-7
24" X 30"

1-7
H1-3RM
12" X 36"

1-8
N Humboldt AV
D3-1
36" X 10"

1-9
E Walworth ST
D3-1
36" X 10"

1-10
BIKE ROUTE
D11-1
24" X 18"

1-11
E Walworth ST
D3-1
36" X 10"

1-12
STOP
R1-1
30" X 30"

1-13
H1-3RM
12" X 36"

1-14
R7-7M
12" X 18"

1-15
R4-7
24" X 30"

1-16
E North AV
D3-1
30" X 10"

1-17
3 TONS OR OVER
R5-23T
24" X 36"

1-18
N Humboldt AV
D3-1
36" X 10"

N. HUMBOLDT AVE.

N. HUMBOLDT BLVD.

E. NORTH AVE.

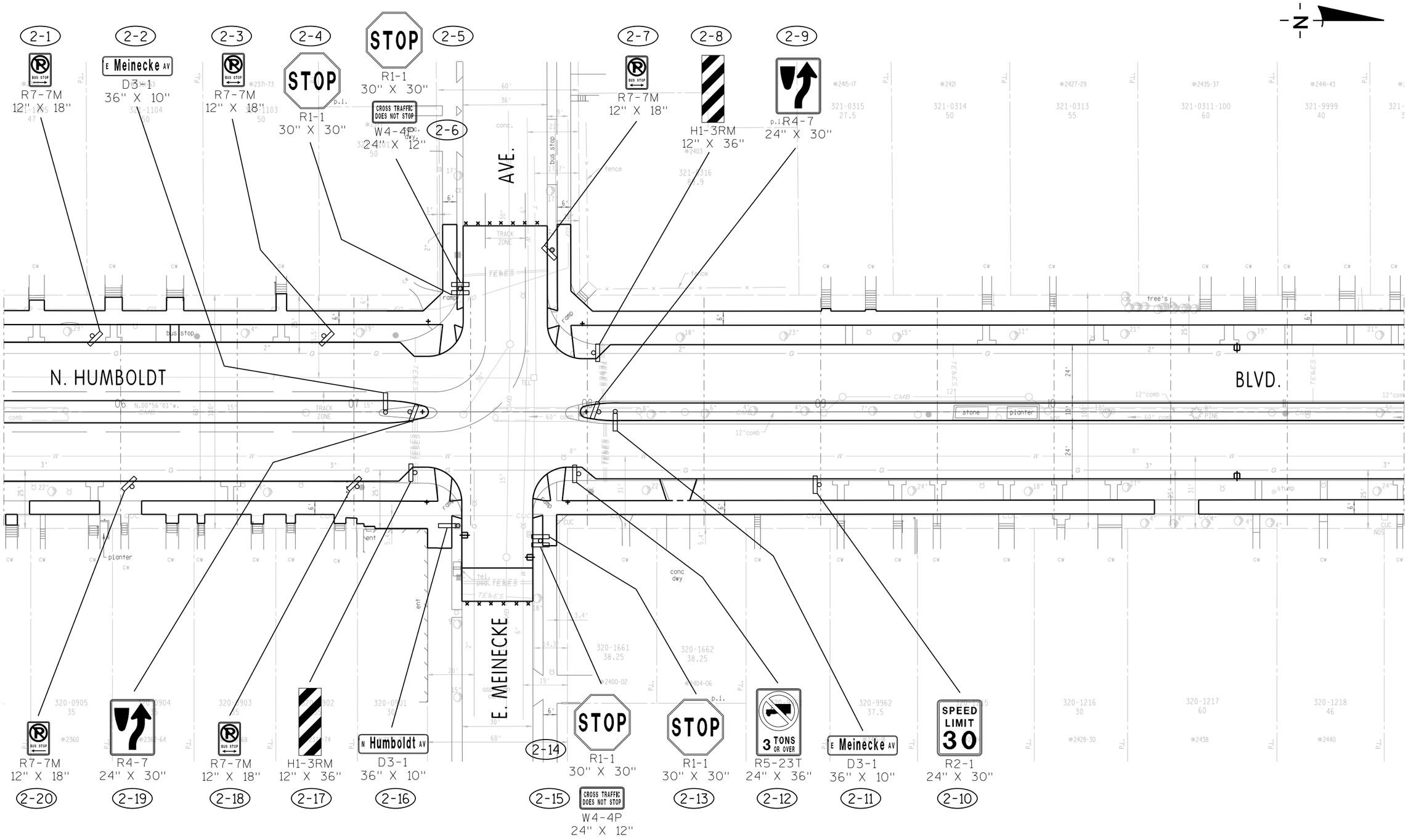
E. WALWORTH ST.

SHEET 1 OF 15

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 152	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

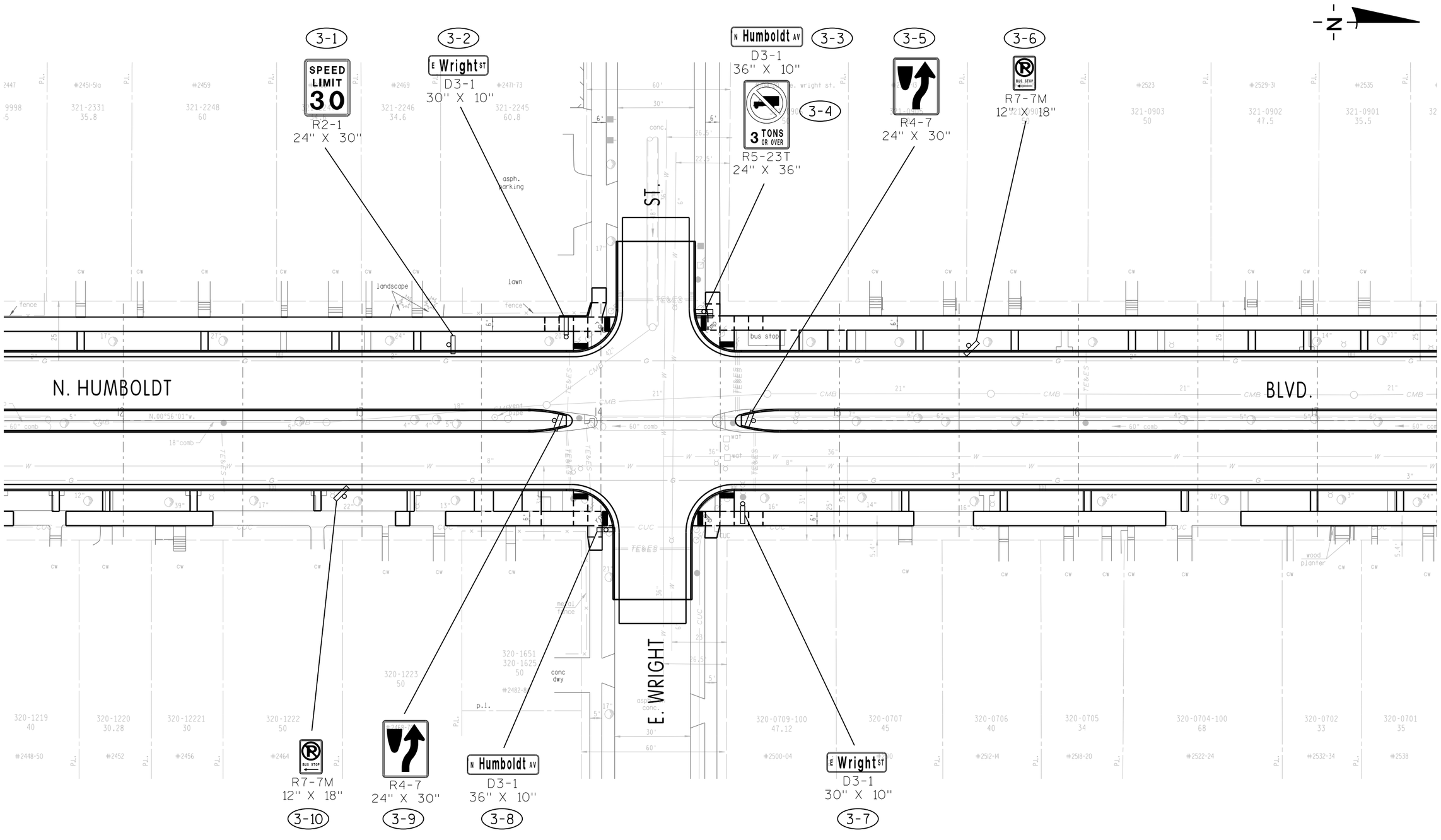


SHEET **2 0F 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 153	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

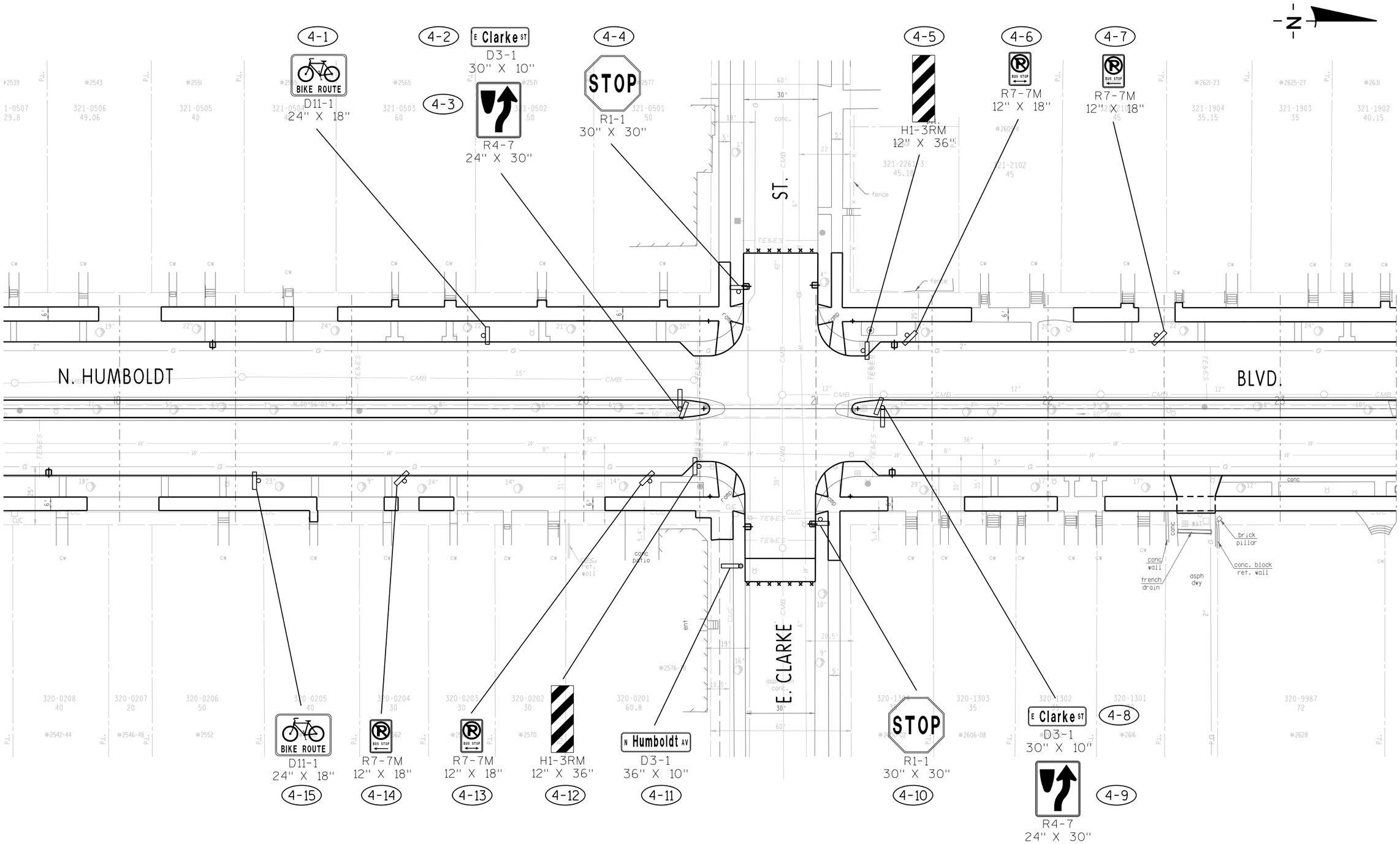


SHEET **3 0F 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 154	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



SHEET **4 0F 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 155	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

N

5-1
SPEED LIMIT 30
R2-1
24" X 30"

5-2
E Center ST
D3-1
30" X 10"

5-3
3 TONS OR OVER
R5-23T
24" X 36"

5-4
S1-1
30" X 30"

5-5
AHEAD
R5-3AMF
24" X 12"

5-6
RIGHT LANE MUST TURN RIGHT EXCEPT BUSES
R3-7RB
30" X 30"

5-7
R7-1SM
12" X 18"

N. HUMBOLDT BLVD.

E. CENTER ST.

5-19 R7-7M 12" X 18"

5-18 R7-1SM 12" X 18"

5-17 R4-7 24" X 30"

5-16 H1-3RM 12" X 36"

5-15 N Humboldt AV D3-1 36" X 10"

5-14 DEAD END W14-1 30" X 30"

5-13 DEAD END W14-1 30" X 30"

5-12 R4-7 24" X 30"

5-11 E Center ST D3-1 30" X 10"

5-10 R7-1SM 12" X 18"

5-8 R4-7 24" X 30"

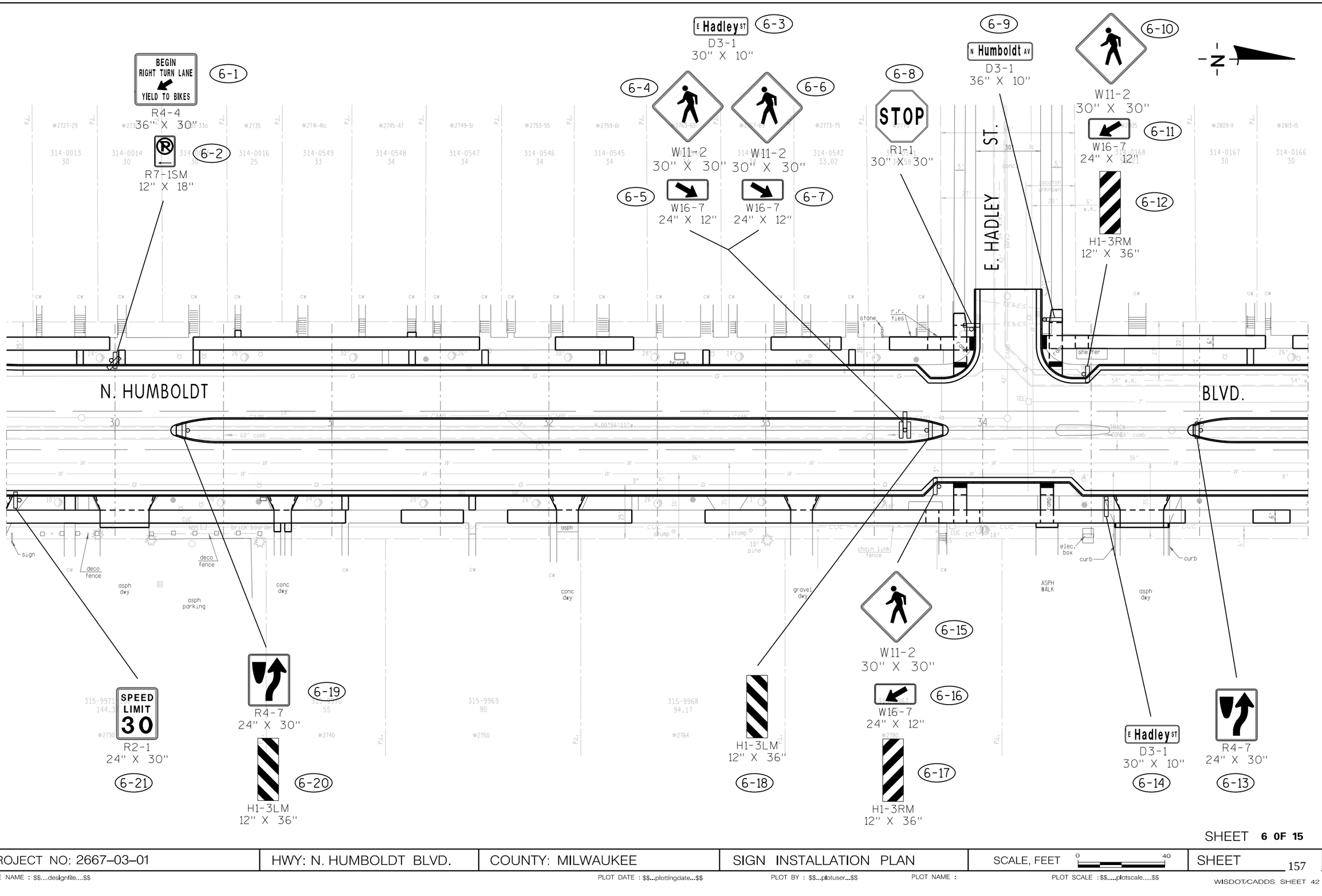
5-9 H1-3LM 12" X 36"

SHEET 5 0F 15

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 156	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

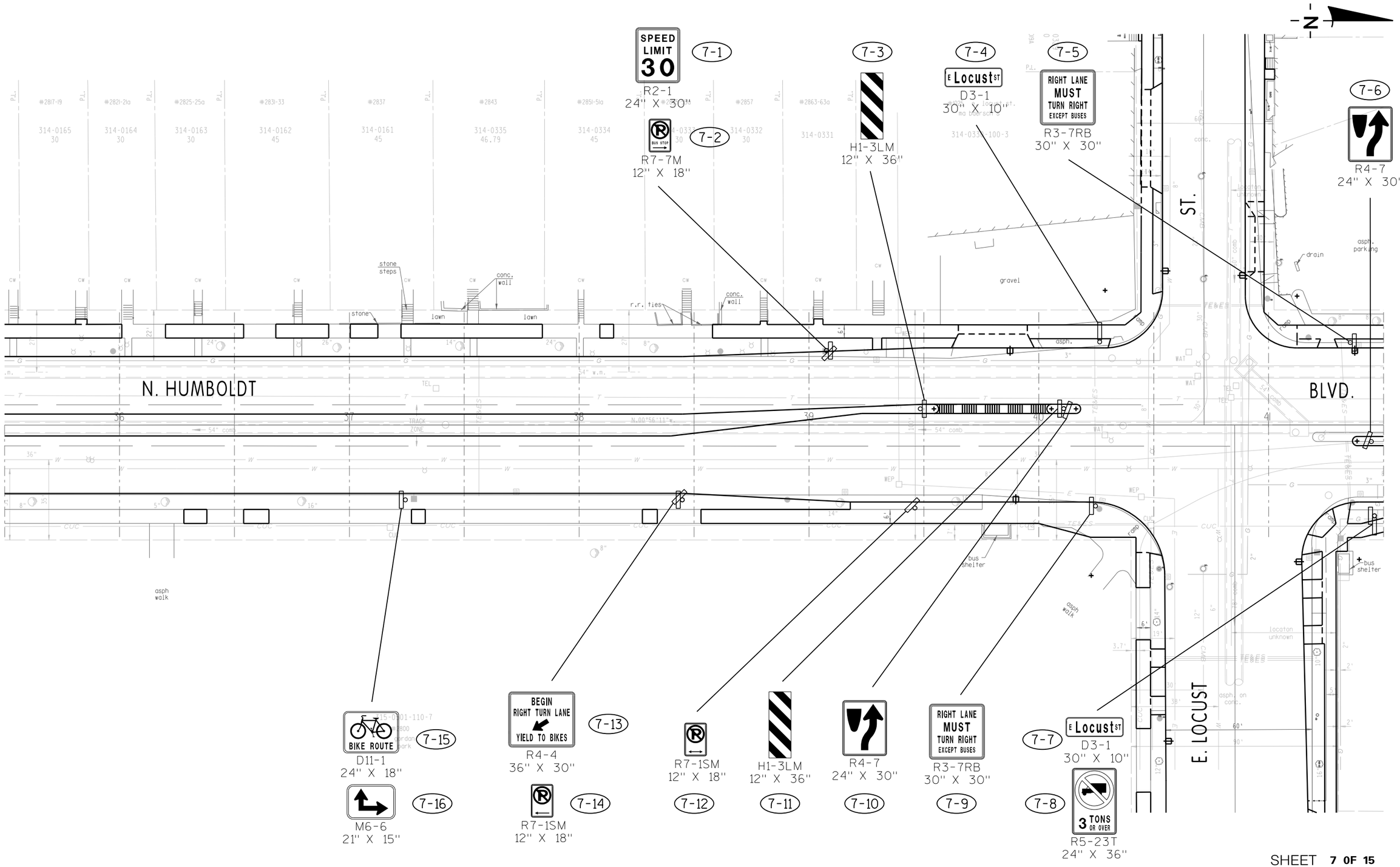


SHEET **6 0F 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 157	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



SHEET **7 0F 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 158	E

#1020

314-0211
47

8-1
R7-1SM
12" X 18"

8-2
BEGIN RIGHT TURN LANE
YIELD TO BIKES
R4-4
36" X 30"

8-3
R7-1SM
12" X 18"

8-4
BIKE ROUTE
D11-1
24" X 18"

8-5
M6-6
21" X 15"

8-6
E Chambers ST
D3-1
36" X 10"

8-7
N Humboldt AV
D3-1
36" X 10"

8-8
W11-2
30" X 30"

8-9
W16-7
24" X 12"

8-10
R4-7
24" X 30"

8-11
STOP
R1-1
30" X 30"

N. HUMBOLDT BLVD.

E. CHAMBERS ST.

8-12
W11-2
30" X 30"

8-13
W16-7
24" X 12"

8-14
R7-1SM
12" X 18"

8-15
R7-1DM
24" X 18"

8-16
SPEED LIMIT 30
R2-1
24" X 30"

8-17
2 HOUR PARKING 7:00AM to 7:00PM
R7-1SM
12" X 18"

8-18
2 HOUR PARKING 7:00AM to 7:00PM
R7-1DM
24" X 18"

SHEET **8 0F 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 159	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

9-1
W11-2
30" X 30"
9-2
W16-7
24" X 12"
9-3
R4-7
24" X 30"
9-4
R7-7M
12" X 18"
9-5
E Chambers ST
D3-1
36" X 10"
9-6
DEAD END
W14-1A
36" X 10"
9-7
R4-7
24" X 30"
9-8
H1-3RM
12" X 36"
9-9
E Chambers ST
D3-1
36" X 10"
9-10
DEAD END
W14-1A
36" X 10"
9-11
S1-1
30" X 30"
9-12
AHEAD
R5-3AMF
24" X 12"
9-13
SPEED LIMIT 30
R2-1
24" X 30"
9-14
END SCHOOL ZONE
S5-2
24" X 30"
9-15
SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
S4-2M
24" X 48"
9-16
FINES HIGHER
R2-6P
24" X 18"
9-17
R4-7
24" X 30"

N. HUMBOLDT BLVD.

E. CHAMBERS ST.

9-18
R7-1SM
12" X 18"
9-19
SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
S4-2M
24" X 48"
9-20
FINES HIGHER
R2-6P
24" X 18"
9-21
BEGIN RIGHT TURN LANE YIELD TO BIKES
R4-4
36" X 30"
9-22
R7-1SM
12" X 18"
9-23
S1-1
30" X 30"
9-24
AHEAD
R5-3AMF
24" X 12"
9-25
STOP
R1-1
30" X 30"
9-26
DEAD END
W14-1
30" X 30"
9-27
N Humboldt AV
D3-1
36" X 10"
9-28
DEAD END
W14-1
30" X 30"
9-29
H1-3RM
12" X 36"
9-30
E Chambers ST
D3-1
36" X 10"
9-31
W11-2
30" X 30"
9-32
W16-7
24" X 12"
9-33
R7-1SM
12" X 18"

SHEET 9 OF 15

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 160	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

10-1 E Burleigh ST
D3-1
36" X 10"

10-2 NO OUTLET →
W14-2A
36" X 10"

10-3 N Humboldt AV
D3-1
36" X 10"

10-4 BIKE ROUTE
D11-1
24" X 18"

10-5
M6-6
21" X 15"

10-6
R4-7
24" X 30"

10-7
R7-1SM
12" X 18"

01-8 BEGIN RIGHT TURN LANE YIELD TO BIKES
R4-4
36" X 30"

10-9
R7-1SM
12" X 18"

10-10 SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
S4-2M
24" X 48"

10-11 FINES HIGHER
R2-6P
24" X 18"

10-12
S1-1
30" X 30"

10-13 AHEAD
R5-3AMF
24" X 12"

10-14
S1-1
30" X 30"

10-15 AHEAD
R5-3AMF
24" X 12"

N

N. HUMBOLDT BLVD.

E. BURLEIGH ST.

10-21 E Burleigh ST
D3-1
36" X 10"

10-22 NO OUTLET →
W14-2A
36" X 10"

10-23
R5-23T
24" X 12"

10-24 N Humboldt AV
D3-1
36" X 10"

10-25 NO EASTERLY OUTLET
W14-2
30" X 30"

10-26 BIKE ROUTE
D11-1
24" X 18"

10-27
M6-6
21" X 15"

10-19 SPEED LIMIT 30
R2-1
24" X 30"

10-20 END SCHOOL ZONE
S5-2
24" X 30"

10-17 SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
S4-2M
24" X 48"

10-18 FINES HIGHER
R2-6P
24" X 18"

10-16 BUS STOP
R7-7M
12" X 18"

SHEET **10 OF 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 161	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

11-1 E Auer AV
D3-1
30" X 10"

11-2 NO OUTLET →
W14-2A
36" X 10"

11-3 STOP
R1-1
30" X 30"

11-4
H1-3RM
12" X 36"

11-5
R4-7
24" X 30"

11-6
R7-7M
12" X 18"

11-7
R7-7M
12" X 18"

11-8 SPEED LIMIT 30
R2-1
24" X 30"

11-9 END SCHOOL ZONE
S5-2
24" X 30"

N. HUMBOLDT BLVD.

E. AUER AVE.

11-25
R7-7M
12" X 18"

11-24
R4-7
24" X 30"

11-23
H1-3RM
12" X 36"

11-22
NO EASTERLY OUTLET
W14-2
30" X 30"

11-21 N Humboldt AV
D3-1
36" X 10"

11-20
R1-1
30" X 30"

11-19 NO OUTLET →
W14-2A
36" X 10"

11-18 E Auer AV
D3-1
30" X 10"

11-17
AHEAD
R5-3AMF
24" X 12"

11-16
S1-1
30" X 30"

11-15
AHEAD
R5-3AMF
24" X 12"

11-14
S1-1
30" X 30"

11-13 FINES HIGHER
R2-6P
24" X 18"

11-12 SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
S4-2M
24" X 48"

11-11 FINES HIGHER
R2-6P
24" X 18"

11-10 SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT
S4-2M
24" X 48"

SHEET **11 OF 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 162	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

12-1 E Concordia AV D3-1 36" X 10"

12-2 S1-1 30" X 30"

12-3 W16-7 24" X 12"

12-4 N Humboldt AV D3-1 36" X 10"

12-5 STOP R1-1 30" X 30"

E. CONCORDIA AVE.

12-6 S1-1 30" X 30"

12-7 W16-7 24" X 12"

12-8 E Concordia AV D3-1 36" X 10"

12-9 S1-1 30" X 30"

12-10 W16-7 24" X 12"

12-11 R7-7M 12" X 18"

12-12 R4-7 24" X 30"

12-13 H1-3RM 12" X 36"

12-14 SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT S4-2M 24" X 48"

12-15 FINES HIGHER R2-6P 24" X 18"

12-16 SCHOOL SPEED LIMIT 20 WHEN CHILDREN ARE PRESENT S4-2M 24" X 48"

12-17 FINES HIGHER R2-6P 24" X 18"

12-18 S1-1 30" X 30"

12-19 AHEAD R5-3AMF 24" X 12"

N. HUMBOLDT BLVD.

12-20 R7-7M 12" X 18"

12-21 SPEED LIMIT 30 R2-1 24" X 30"

12-22 END SCHOOL ZONE S5-2 24" X 30"

12-23 STOP R1-1 30" X 30"

12-24 N Humboldt AV D3-1 36" X 10"

12-25 NO EASTERLY OUTLET W14-2 30" X 30"

12-26 H1-3RM 12" X 36"

12-27 E Concordia AV D3-1 36" X 10"

12-28 NO OUTLET W14-2A 36" X 10"

12-29 R7-1SM 12" X 18"

12-30 R4-7 24" X 30"

12-31 S1-1 30" X 30"

12-32 W16-7 24" X 12"

12-33 R7-1SM 12" X 18"

12-34 R7-1SM 12" X 18"

E. CONCORDIA AVE.

SHEET 12 OF 15

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 163	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

13-1
STOP
R1-1
30" X 30"

13-2
N Humboldt AV
D3-1
36" X 10"

13-3
H1-3RM
12" X 36"

13-4
BUS STOP
R7-7M
12" X 18"

13-5
SPEED LIMIT 30
R2-1
24" X 30"

E. TOWNSEND ST.

N. HUMBOLDT BLVD.

landscape
stone boarder
lannon stone wall
brick walk
wood chips
conc dwy
asph
brick boarder
fence
location unknown
ramp

E Townsend ST
D3-1
36" X 10"
13-9

S1-1
30" X 30"
13-10

AHEAD
R5-3AMF
24" X 12"
13-11

H1-3RM
12" X 36"
13-8

R4-7
24" X 30"
13-7

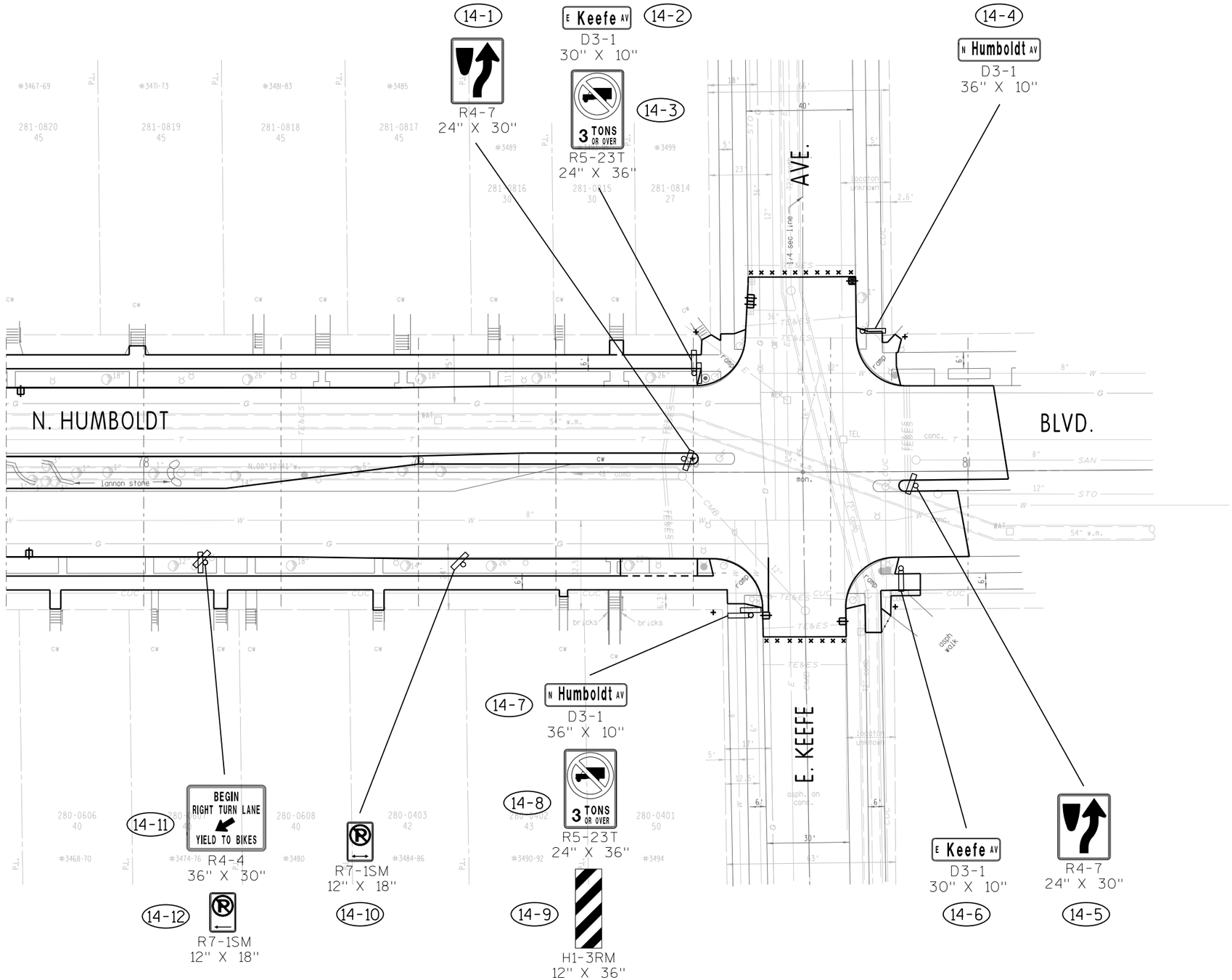
E Townsend ST
D3-1
36" X 10"
13-6

SHEET 13 OF 15

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 164	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



SHEET **14 OF 15**

PROJECT NO: 2667–03–01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 165	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

15-1
R7-1SM
12" X 18"

15-2
N Humboldt AV
D3-1
36" X 10"

15-3
BIKE LANE
R3-17
30" X 24"

15-4
ENDS
R3-17B
30" X 12"

15-5
H1-3RM
12" X 36"

15-6
LEFT LANE MUST TURN LEFT
R3-7L
30" X 30"

15-7
RIGHT LANE MUST TURN RIGHT EXCEPT BUSES
R3-7RB
30" X 30"

15-8
BIKE ROUTE
D11-1
24" X 18"

15-9
R7-1SM
12" X 18"

15-10
DO NOT BLOCK ALLEY
R10-7BM
24" X 30"

15-11
DEAD END
W14-1
30" X 30"

- N -

BLVD.

E. LOCUST ST.

N. HUMBOLDT

15-18
LEFT LANE MUST TURN LEFT AHEAD
R3-7RB
30" X 30"

15-19
R7-1SM
12" X 18"

15-17
R7-1SM
12" X 18"

15-16
LEFT LANE MUST TURN LEFT
R3-7L
30" X 30"

15-15
N Humboldt AV
D3-1
36" X 10"

15-13
SPEED LIMIT 30
R2-1
24" X 30"

15-14
R7-1SM
12" X 18"

15-12
R7-1SM
12" X 18"

SHEET **15 OF 15**

PROJECT NO: 2667-03-01	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIGN INSTALLATION PLAN	SCALE, FEET 0 40	SHEET 166	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

NOTES:
1. REMOVE EXISTING WIRE AND CONDUIT INCIDENTAL TO LIGHTING UNIT REMOVAL.
2. REMOVE EXISTING OVERHEAD CABLES INCIDENTAL TO LIGHTING UNIT REMOVAL.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN. SEE TEMPORARY LIGHTING PLANS FOR CABLE INTERCEPT LOCATIONS.

POLE MOUNTED LIGHTING DISTRIBUTION CENTER T40C LOCATED AT 1025 E. WRIGHT ST. APPX. 95' WEST OF N. HUMBOLDT BLVD., SOUTH SIDE OF WRIGHT ST. LIGHTING DISTRIBUTION CENTER T40C SUPPLIES N.HUMBOLDT BLVD. BETWEEN START PAVING LIMIT TO E. LOCUST ST.

NOTE 1 #2249 30' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.105+60;25'LT

NOTE 3 DISCONNECT & ISOLATE

NOTE 1 #1032 30' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.106+30;45'LT

NOTE 1 #2313 26' DIRECT BURY ALUMINUM 6' ARM, HPS COBRA STA.107+80;32'LT

NOTE 1 #2339 30' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.109+35;32'LT

E. NORTH AVE.

N. HUMBOLDT BLVD.

ABANDON

NOTE 3

NOTE 1 #1101 30' CONCRETE W/SIGNAL ARM 6' ARM, HPS COBRA STA.106+55;32'RT

NOTE 1 #1101 30' CONCRETE W/SIGNAL ARM 6' ARM, HPS COBRA STA.105+53;60'RT

NOTE 1 #1100 30' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.106+30;52'RT

NOTE 1 #2322 26' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.108+6;32'RT

NOTE 1 #1103 21' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.109+11;68'RT

NOTE 1 #2348 26' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.110+26;32'RT

E. WALWORTH AV.

E. MEINECKE

NOTE 1 #1030 21' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.105+60;25'LT

NOTE 3 3#6/1#8LTP CIR.T40C-B

NOTE 1 #2363 26' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.105+60;25'LT

NOTE 1 #2377 26' DIRECT BURY CONCRETE 6' ARM, HPS COBRA STA.105+60;25'LT

NOTE 1 #2376 26' DIRECT BURY CONCRETE 6' ARM, HPS COBRA

EXISTING TO REMAIN #1101 WEP.CO. W.P. #63-1154 6-0 U.B. 6' ARM, HPS COBRA

NOTE 1 #2402 30' DIRECT BURY CONCRETE 2 EA - 6' ARM, HPS COBRA

NOTE 1 #2418 30' DIRECT BURY ALUMINUM 2 EA - 6' ARM, HPS COBRA

NOTE 1 #2442 30' DIRECT BURY CONCRETE 2 EA - 6' ARM, HPS COBRA

SHEET 1 OF 7

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING REMOVAL PLAN	SHEET __ OF 167	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE EXISTING WIRE AND CONDUIT INCIDENTAL TO LIGHTING UNIT REMOVAL.
2. REMOVE EXISTING OVERHEAD CABLES INCIDENTAL TO LIGHTING UNIT REMOVAL.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN. SEE TEMPORARY LIGHTING PLANS FOR CABLE INTERCEPT LOCATIONS.



POLE MOUNTED LIGHTING DISTRIBUTION CENTER T40C LOCATED AT 1025 E. WRIGHT ST.
APPX. 95' WEST OF N. HUMBOLDT BLVD., SOUTH SIDE OF WRIGHT ST.
LIGHTING DISTRIBUTION CENTER T40C SUPPLIES N.HUMBOLDT BLVD. BETWEEN START PAVING LIMIT TO E. LOCUST ST.

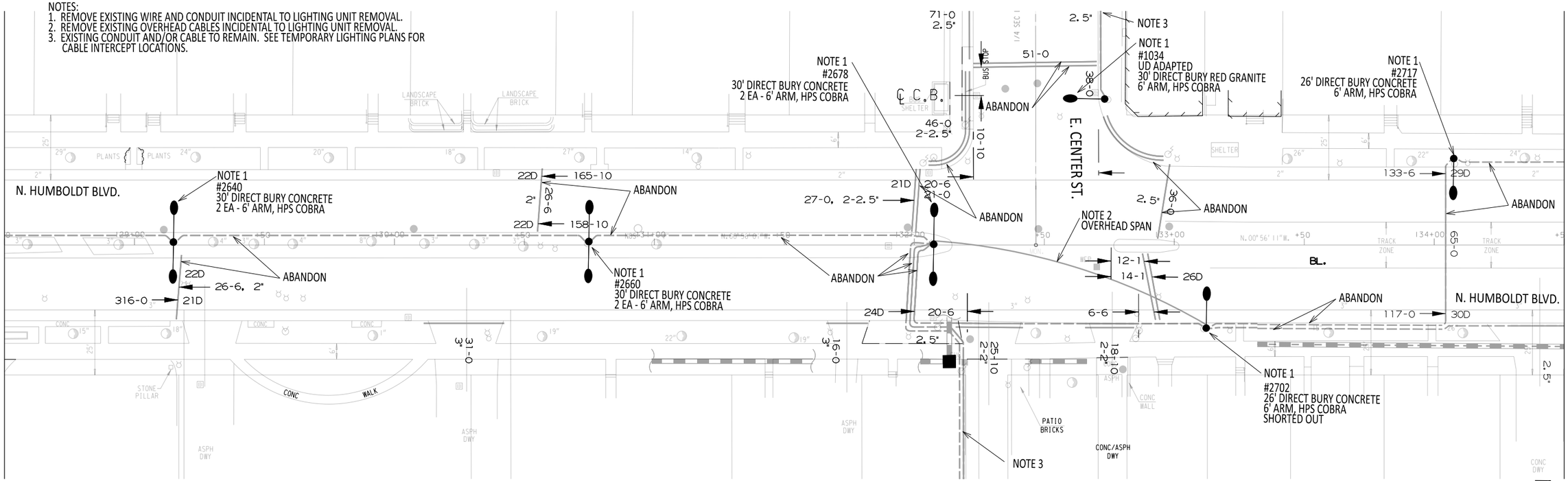
SHEET 2 OF 7

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING REMOVAL PLAN	SHEET __ OF 168	E

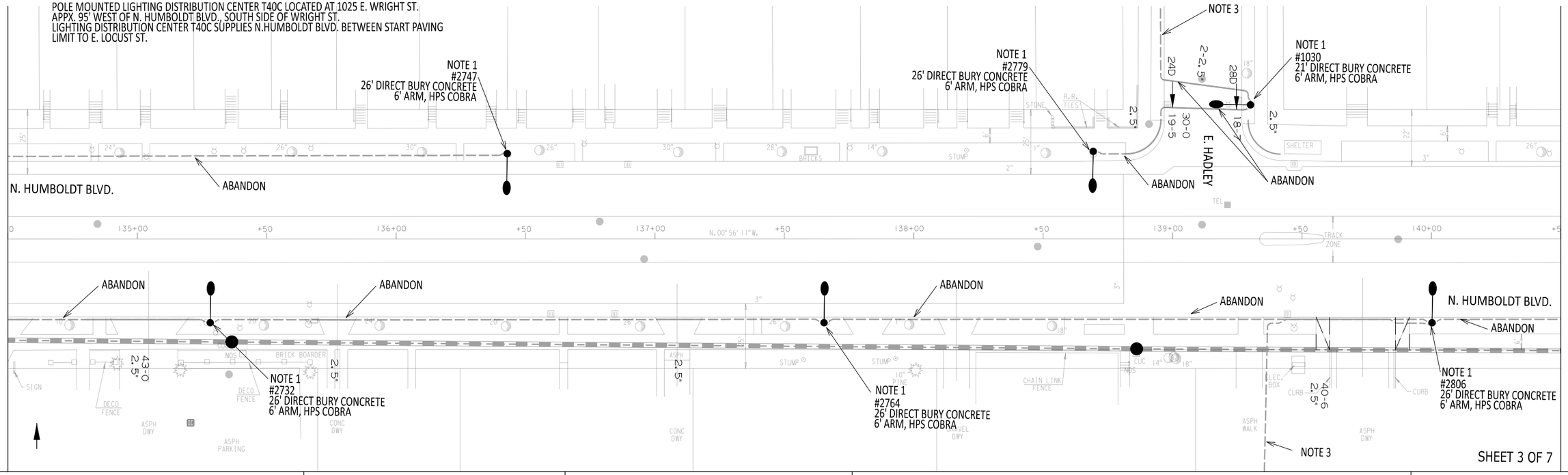
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WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE EXISTING WIRE AND CONDUIT INCIDENTAL TO LIGHTING UNIT REMOVAL.
2. REMOVE EXISTING OVERHEAD CABLES INCIDENTAL TO LIGHTING UNIT REMOVAL.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN. SEE TEMPORARY LIGHTING PLANS FOR CABLE INTERCEPT LOCATIONS.

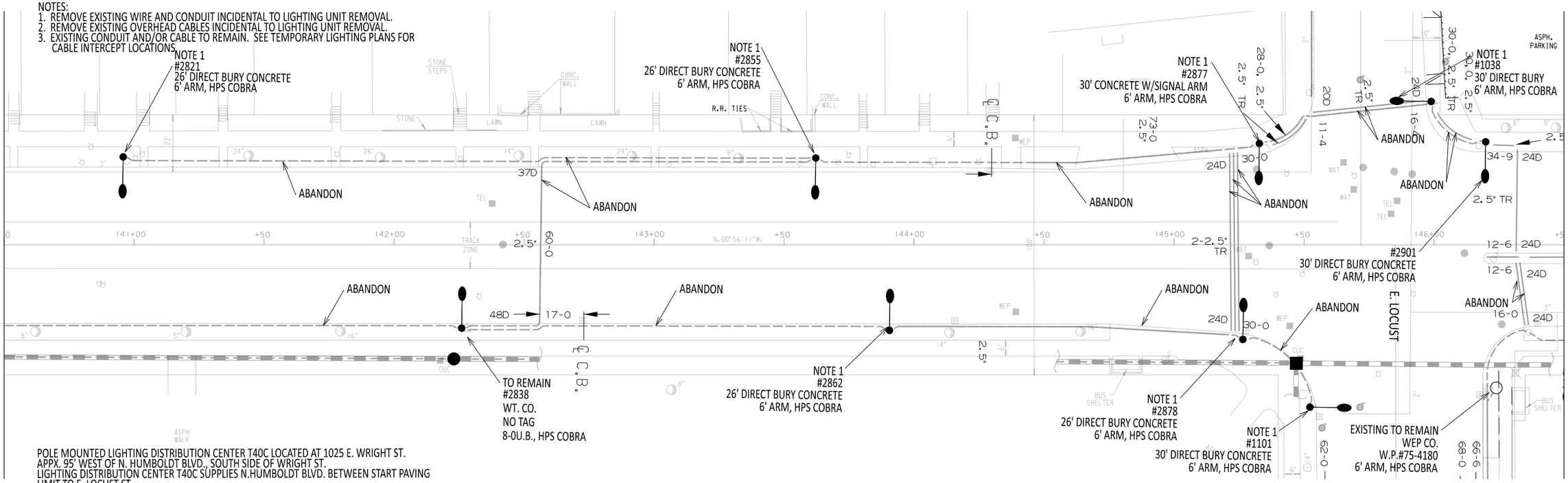


POLE MOUNTED LIGHTING DISTRIBUTION CENTER T40C LOCATED AT 1025 E. WRIGHT ST.
APPX. 95' WEST OF N. HUMBOLDT BLVD., SOUTH SIDE OF WRIGHT ST.
LIGHTING DISTRIBUTION CENTER T40C SUPPLIES N.HUMBOLDT BLVD. BETWEEN START PAVING LIMIT TO E. LOCUST ST.



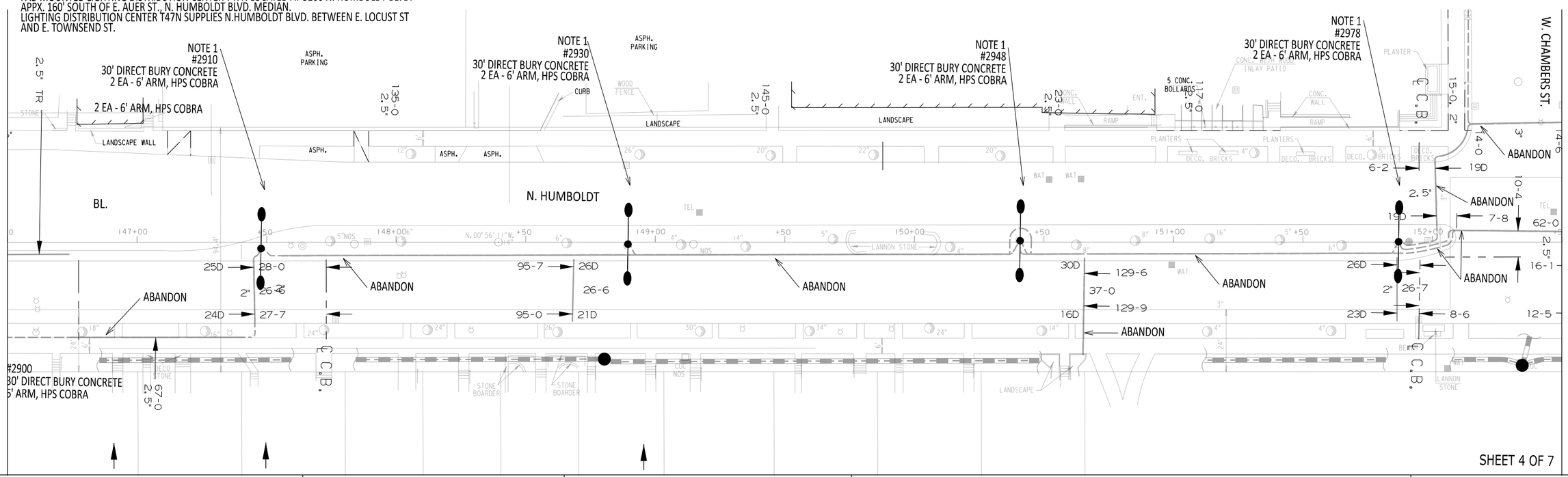
PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING REMOVAL PLAN	SHEET __ OF 169	E

NOTES:
1. REMOVE EXISTING WIRE AND CONDUIT INCIDENTAL TO LIGHTING UNIT REMOVAL.
2. REMOVE EXISTING OVERHEAD CABLES INCIDENTAL TO LIGHTING UNIT REMOVAL.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN. SEE TEMPORARY LIGHTING PLANS FOR CABLE INTERCEPT LOCATIONS.



POLE MOUNTED LIGHTING DISTRIBUTION CENTER T40C LOCATED AT 1025 E. WRIGHT ST.
APPX. 95' WEST OF N. HUMBOLDT BLVD., SOUTH SIDE OF WRIGHT ST.
LIGHTING DISTRIBUTION CENTER T40C SUPPLIES N.HUMBOLDT BLVD. BETWEEN START PAVING LIMIT TO E. LOCUST ST.

PAD MOUNTED LIGHTING DISTRIBUTION CENTER T47N LOCATED AT 3166 N. HUMBOLDT BLVD.
APPX. 160' SOUTH OF E. AUER ST., N. HUMBOLDT BLVD. MEDIAN.
LIGHTING DISTRIBUTION CENTER T47N SUPPLIES N.HUMBOLDT BLVD. BETWEEN E. LOCUST ST AND E. TOWNSEND ST.



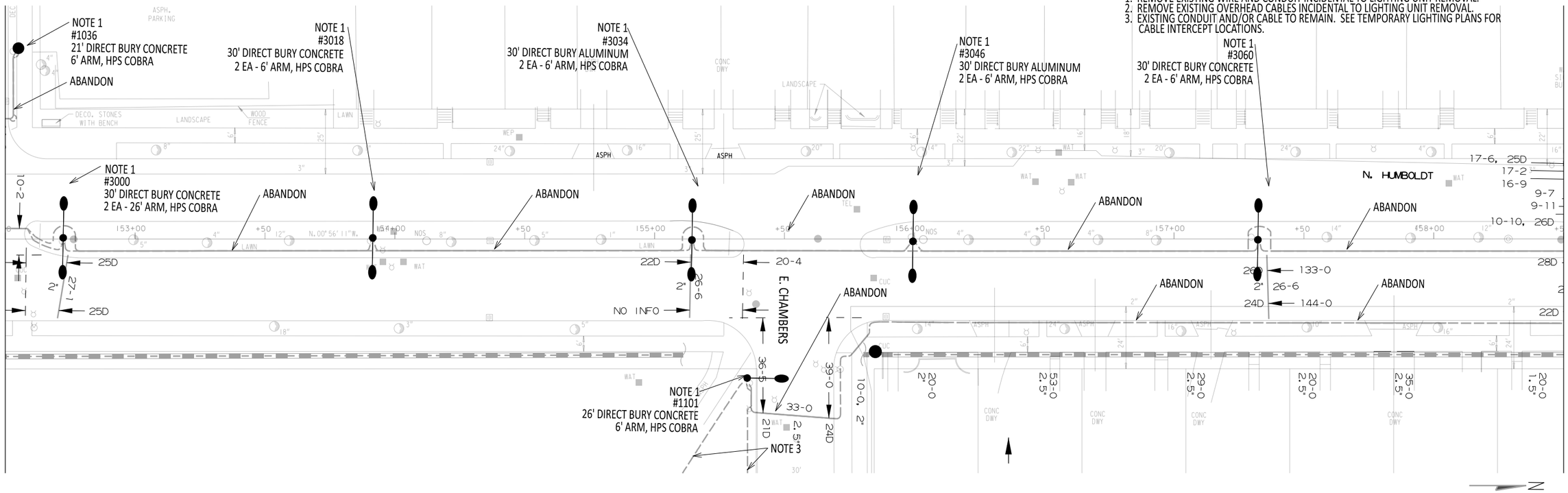
SHEET 4 OF 7

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING REMOVAL PLAN	SHEET __ OF 170	E

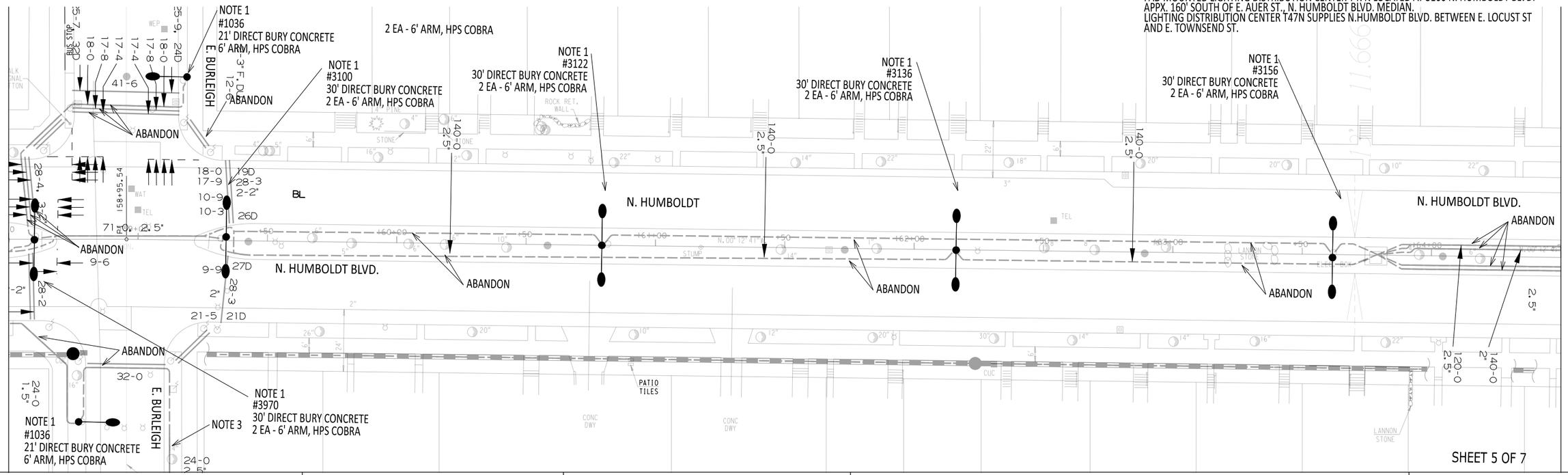
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE EXISTING WIRE AND CONDUIT INCIDENTAL TO LIGHTING UNIT REMOVAL.
2. REMOVE EXISTING OVERHEAD CABLES INCIDENTAL TO LIGHTING UNIT REMOVAL.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN. SEE TEMPORARY LIGHTING PLANS FOR CABLE INTERCEPT LOCATIONS.



PAD MOUNTED LIGHTING DISTRIBUTION CENTER T47N LOCATED AT 3166 N. HUMBOLDT BLVD.
APPX. 160' SOUTH OF E. AUER ST., N. HUMBOLDT BLVD. MEDIAN.
LIGHTING DISTRIBUTION CENTER T47N SUPPLIES N.HUMBOLDT BLVD. BETWEEN E. LOCUST ST AND E. TOWNSEND ST.



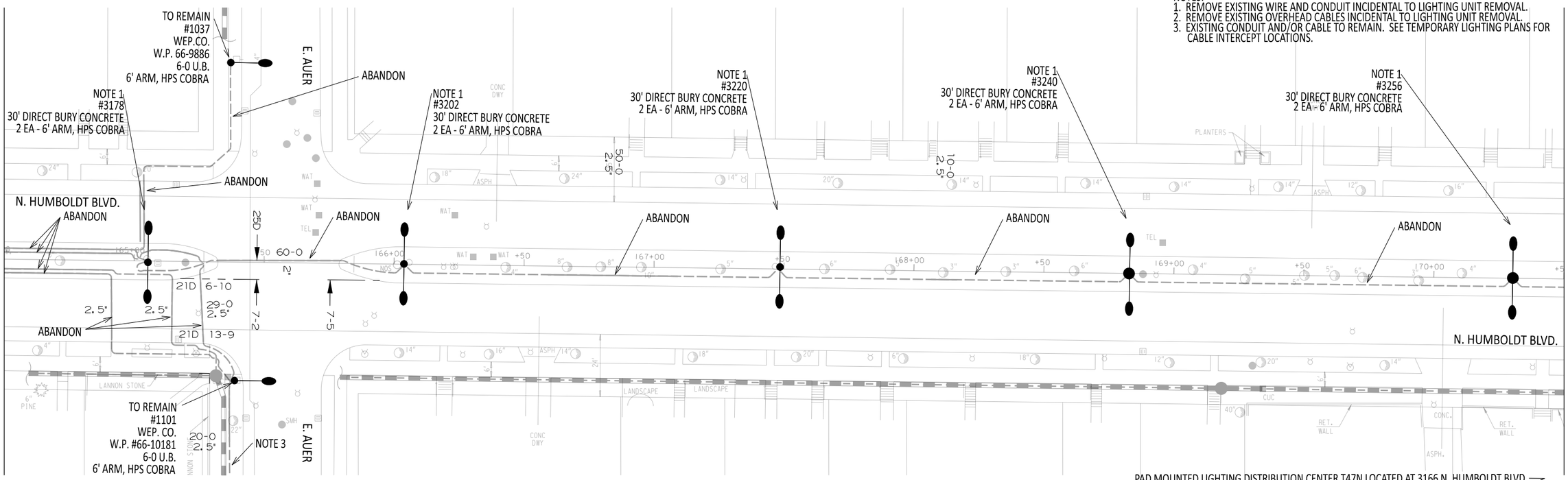
SHEET 5 OF 7

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING REMOVAL PLAN	SHEET __ OF 171	E

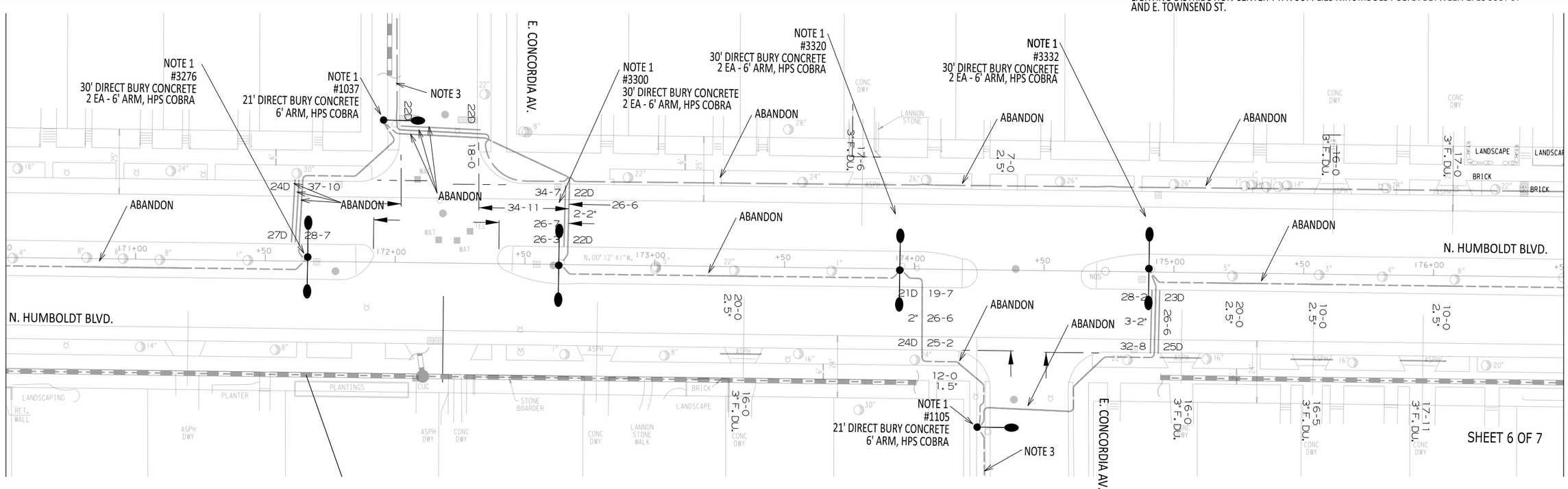
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOTCADDS SHEET 42

NOTES:
1. REMOVE EXISTING WIRE AND CONDUIT INCIDENTAL TO LIGHTING UNIT REMOVAL.
2. REMOVE EXISTING OVERHEAD CABLES INCIDENTAL TO LIGHTING UNIT REMOVAL.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN. SEE TEMPORARY LIGHTING PLANS FOR CABLE INTERCEPT LOCATIONS.



PAD MOUNTED LIGHTING DISTRIBUTION CENTER T47N LOCATED AT 3166 N. HUMBOLDT BLVD. APPX. 160' SOUTH OF E. AUER ST., N. HUMBOLDT BLVD. MEDIAN.
LIGHTING DISTRIBUTION CENTER T47N SUPPLIES N.HUMBOLDT BLVD. BETWEEN E. LOCUST ST AND E. TOWNSEND ST.



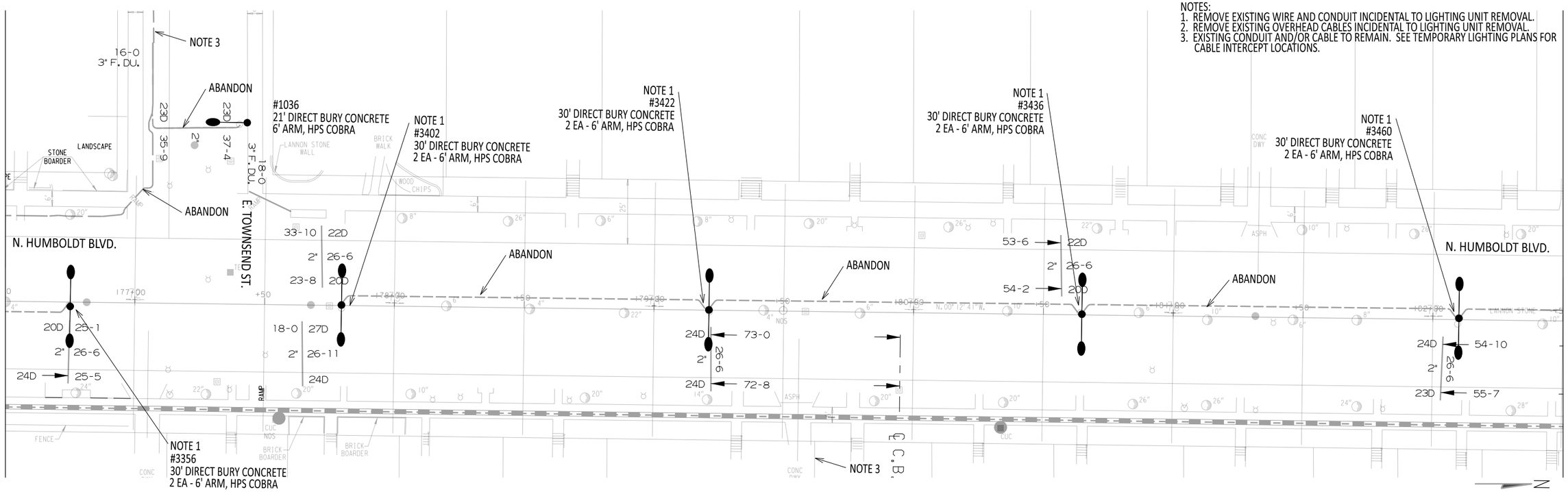
SHEET 6 OF 7

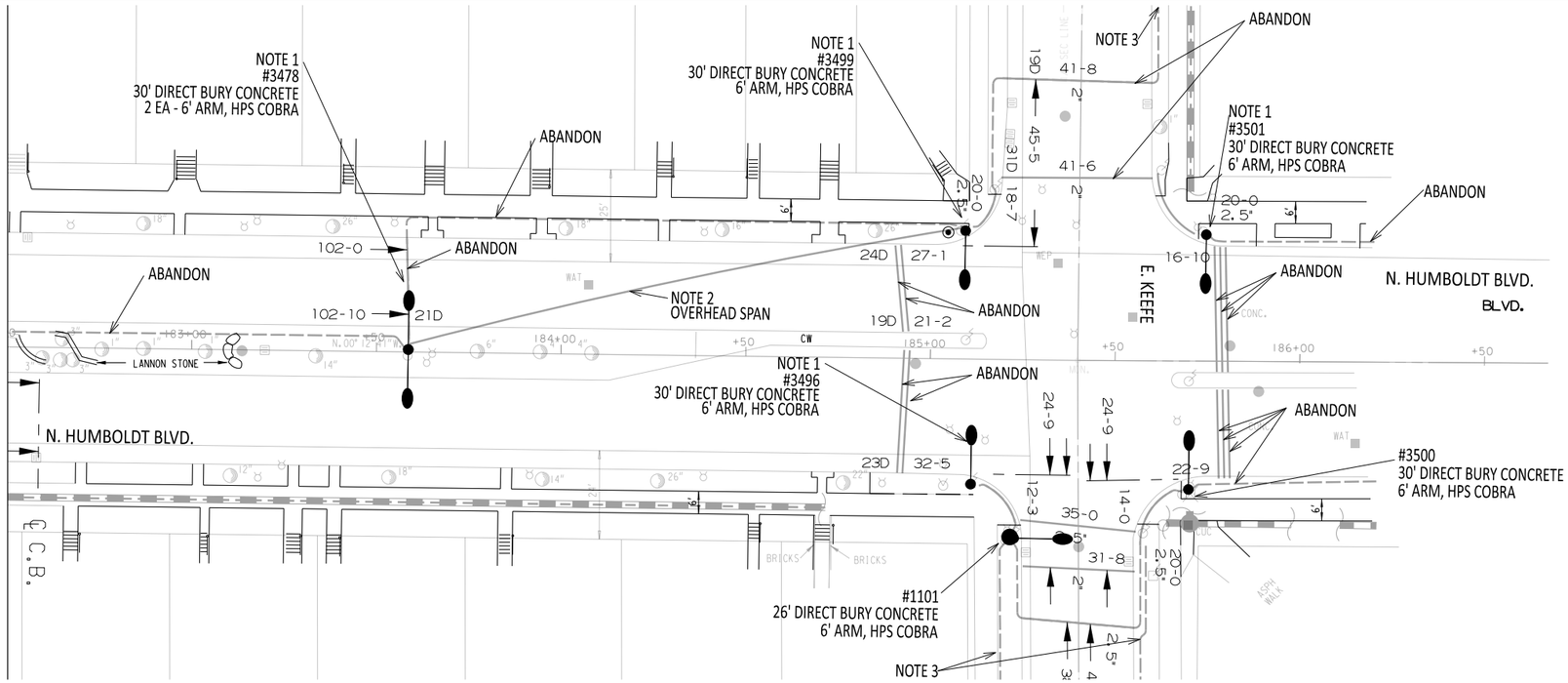
PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING REMOVAL PLAN	SHEET __ OF 172

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

NOTES:
1. REMOVE EXISTING WIRE AND CONDUIT INCIDENTAL TO LIGHTING UNIT REMOVAL.
2. REMOVE EXISTING OVERHEAD CABLES INCIDENTAL TO LIGHTING UNIT REMOVAL.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN. SEE TEMPORARY LIGHTING PLANS FOR CABLE INTERCEPT LOCATIONS.





POLE MOUNTED LIGHTING DISTRIBUTION CENTER T33N LOCATED AT 3800 N. FRATNEY ST. APPX. 25' NORTH OF E. VIENNA AVE., EAST TERRACE OF FRATNEY ST.
LIGHTING DISTRIBUTION CENTER T33MN SUPPLIES N.HUMBOLDT BLVD. BETWEEN E. TOWNSEND ST. TO NORTH PAVING LIMIT.

SHEET 7 OF 7

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING REMOVAL PLAN	SHEET __ OF 173	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

NOTES:
1. WOOD POLE INSTALLED BY CITY FORCES PRIOR TO PROJECT START.
2. SECONDARY CABLE RISER WITH PVC COVER ON SPECIFIED CIRCUIT.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN IN SERVICE. EXCAVATE 10' CABLE LENGTH ALLOWANCE FOR CONNECTION SHOWN IN STREET LIGHTING PLAN.

CAUTION

THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM ORIGINAL SOURCE.

NOTE 1
NOTE 2 (T40C-B)
#2249 WP
6' ARM, 150W HPS COBRA
STA. 105+40;37.4' LT

110'
2#2/1#4AL
CIR.T40C-B

E. NORTH AVE.

NOTE 3
CIR.T40C-B

NOTE 1
NOTE 2 (T40C-B)
#1032 WP
6' UPSWEEP, 150W HPS
STA. 106+34;68.5'LT

PROPOSED MONOTUBE

35'
3#6AL
CIR.T40C-B

NOTE 1
#2313 WP
6' ARM, 150W HPS COBRA
STA. 106+40;46.0'LT

TCB N

110'
2#2/1#4AL
CIR.T40C-B

NOTE 3
CIR.T40C-B

NOTE 3
CIR.T40C-B

PROPOSED MONOTUBE

75'
2#2/1#4AL
CIR.T40C-B

#2339 WP
6' ARM, 150W HPS COBRA
STA. 108+84;33.0'LT

105'
2#2/1#4AL
CIR.T40C-B

N. HUMBOLDT BLVD.

NOTE 3
CIR.T40C-B

135'
3#6AL
CIR.T40C-B

PROPOSED MONOTUBE

NOTE 1
#2314 WP
6' ARM, 150W HPS COBRA
STA. 106+47'38.0'RT

135'
2#2/1#4AL
CIR.T40C-B

55'
2#2/1#4AL
CIR.T40C-B

90'
2#2/1#4AL
CIR.T40C-B

65'
2#2/1#4AL
CIR.T40C-B

N. HUMBOLDT BLVD.

140'
2#2/1#4AL
CIR.T40C-B

NOTE 1
#2249 WP
6' ARM, 150W HPS COBRA
STA. 105+28;38.0' RT

PROPOSED MONOTUBE

55'
2#2/1#4AL
CIR.T40C-B

#2320 WP
6' ARM, 150W HPS COBRA
STA. 107+83;33.0'RT

#2326 WP
STA. 108+35;37.0'RT

#2348 WP
6' ARM, 150W HPS COBRA
STA. 109+63;33.0'RT

NOTE 2 (T40C-B)
#1102 WP
6' ARM, 150W HPS COBRA
STA. 106+27;77.0'RT

NOTE 3
CIR.T40C-B

NOTE 2 (T40C-B)
#1103
EXIST. CONCRETE POLE
6' ARM, 1LED2
4"X4"X36" WIRING PEDESTAL
STA. 109+14;76'RT

E. WALWORTH

NOTE 3
3#8/1#8LTP
CIR.T40C-B

N

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
12 EA	40' WOOD POLES, CLASS 4
1400 LF	2-2-4 TRIPLEX
170 LF	3#6 TRIPLEX
17 EA	6' ARM, 150W HPS
4 EA	RISER

POLE MOUNTED LIGHTING DISTRIBUTION CENTER T40C LOCATED AT 1025 E. WRIGHT ST.
APPX. 95' WEST OF N. HUMBOLDT BLVD., SOUTH SIDE OF WRIGHT ST.
LIGHTING DISTRIBUTION CENTER T40C SUPPLIES N.HUMBOLDT BLVD. BETWEEN START PAVING LIMIT TO E. LOCUST ST.
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.

NOTE 2 (CIR.T40C-B)
#1030
6' ARM, 150W HPS COBRA
STA.112+87;76.0'LT

NOTE 3
CIR.T40C-B

E. MEINECKE AVE.

85'
2#2/1#4AL
CIR.T40C-B

N. HUMBOLDT BLVD.

#2376 WP
6' ARM, 150W HPS COBRA
STA. 112+18;33.5'RT

150'
2#2/1#4AL
CIR.T40C-B

140'
2#2/1#4AL
CIR.T40C-B

CONTINUED
SHT 2 OF 7

#2364 WP
6' ARM, 150W HPS COBRA
STA. 110+96;33.5' RT

SEE TOP RIGHT

130'
2#2/1#4AL
CIR.T40C-B

30'
2#2/1#4AL
CIR.T40C-B

#2402 WP
2 EA - 6' ARM, 150W HPS COBRA
STA.113+10;0.0'

#2418 WP
2 EA - 6' ARM, 150W HPS COBRA
STA. 114+50;0.0'

#2442 WP
2 EA - 6' ARM, 150W HPS COBRA
STA. 115+85;0.0'

N. HUMBOLDT BLVD.

85'
2#2/1#4AL
CIR.T40C-B

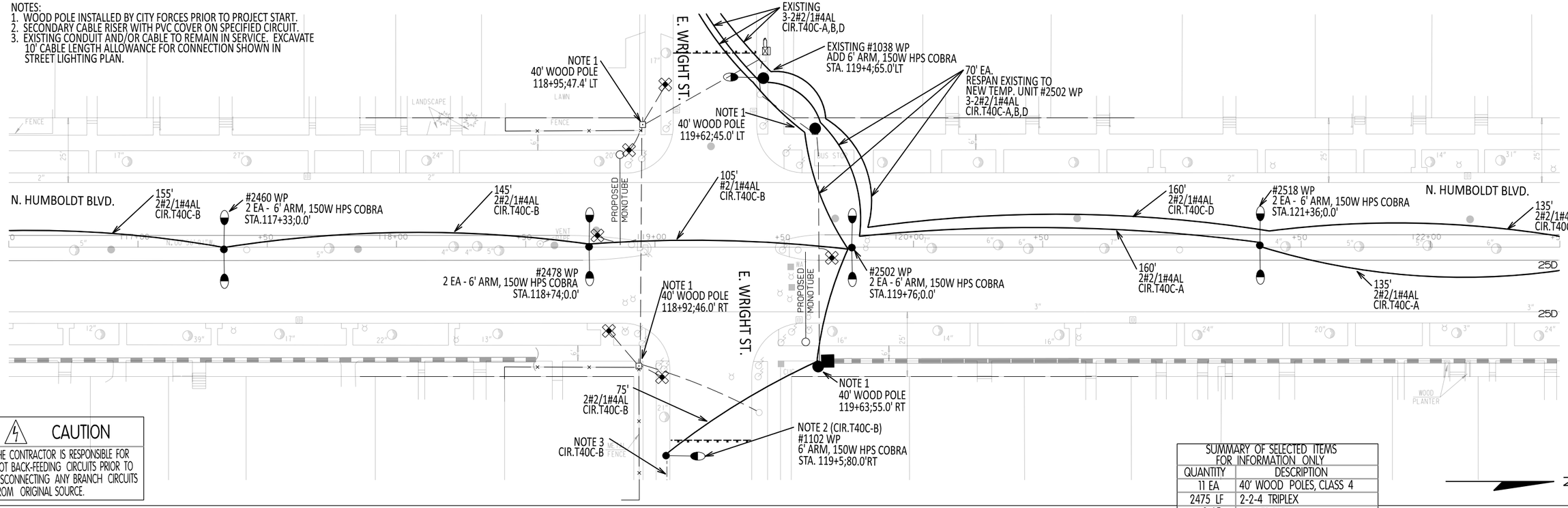
NOTE 2 (T40C-B)
EXISTING TO REMAIN
#1101
WEP.CO.
W.P. #63-1154

NOTE 3
3#4/1#8LTP
CIR.T40C-B
AT WALK

SHEET 1 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING TEMPORARY	SHEET OF 174	E

NOTES:
1. WOOD POLE INSTALLED BY CITY FORCES PRIOR TO PROJECT START.
2. SECONDARY CABLE RISER WITH PVC COVER ON SPECIFIED CIRCUIT.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN IN SERVICE. EXCAVATE 10' CABLE LENGTH ALLOWANCE FOR CONNECTION SHOWN IN STREET LIGHTING PLAN.



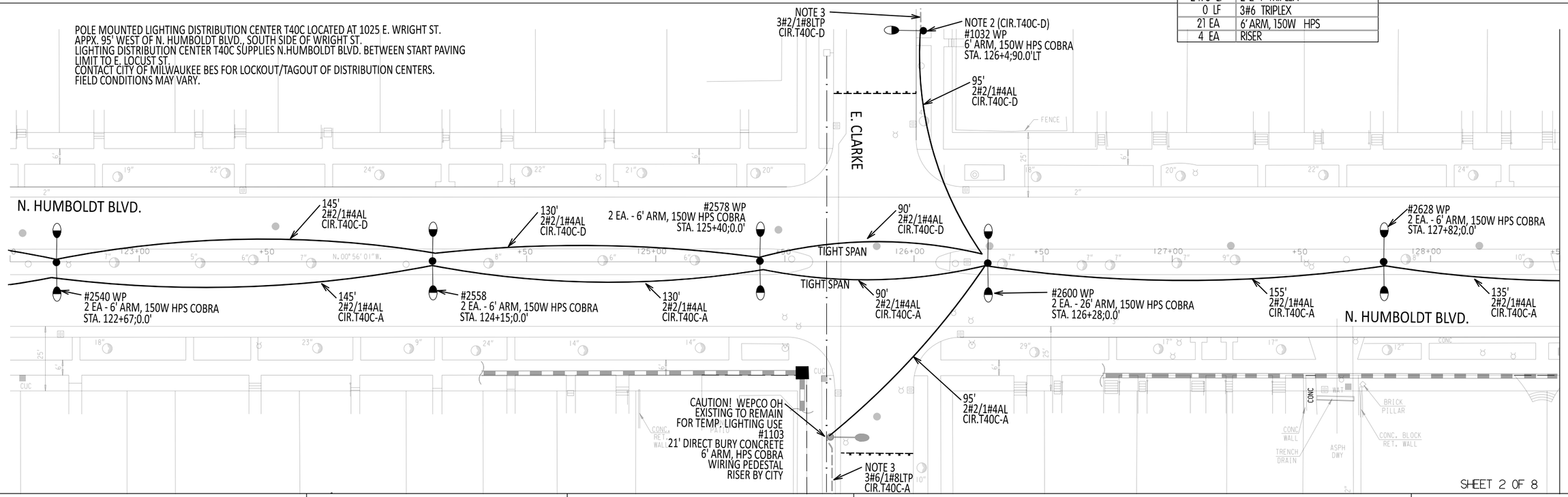
CAUTION

THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM ORIGINAL SOURCE.

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
11 EA	40' WOOD POLES, CLASS 4
2475 LF	2-2-4 TRIPLEX
0 LF	3#6 TRIPLEX
21 EA	6' ARM, 150W HPS
4 EA	RISER

N

POLE MOUNTED LIGHTING DISTRIBUTION CENTER T40C LOCATED AT 1025 E. WRIGHT ST. APPX. 95' WEST OF N. HUMBOLDT BLVD., SOUTH SIDE OF WRIGHT ST.
LIGHTING DISTRIBUTION CENTER T40C SUPPLIES N.HUMBOLDT BLVD. BETWEEN START PAVING LIMIT TO E. LOCUST ST.
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.



SHEET 2 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING TEMPORARY	SHEET OF 175	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOTCADDS SHEET 42

NOTES:
1. WOOD POLE INSTALLED BY CITY FORCES PRIOR TO PROJECT START.
2. SECONDARY CABLE RISER WITH PVC COVER ON SPECIFIED CIRCUIT.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN IN SERVICE. EXCAVATE 10' CABLE LENGTH ALLOWANCE FOR CONNECTION SHOWN IN STREET LIGHTING PLAN.

N. HUMBOLDT BLVD.

#2640 WP
2 EA - 6' ARM, 150W HPS COBRA
STA. 129+18;0.0'

CONTINUED
SHT 2 OF 7

125'
2#2/1#4AL
CIR.T40C-A

#2660 WP
2 EA - 6' ARM, 150W HPS COBRA
STA. 130+40;0.0'

95'
2#2/1#4AL
CIR.T40C-A

#2671 WP
6' ARM, 150W HPS COBRA
STA. 131+26;33.0'LT

80'
2#2/1#4AL
CIR.T40C-A

#1033 WP
6' ARM, 150W HPS COBRA
STA. 132+12;85.0'LT

#2679 WP
6' ARM, 150W HPS COBRA
STA. 132+5;45.0'LT

35'
3#12UF
CIR.T40C-A

PROPOSED MONOTUBE

E. CENTER ST.

ALL WAY STOP CONTROL

95'
3#6AL
CIR.T40C-A

NOTE 2 (CIR.T40C-B)
#1103 WP
6' ARM, 150W HPS COBRA
STA. 132+20;46.0'RT

NOTE 3
3#6/1#8LTP
CIR.T40C-A

NOTE 2

150'
3#6AL
CIR.T40C-A

#2703 WP
6' ARM, 150W HPS COBRA
STA. 133+52;33.0'LT

125'
3#6AL
CIR.T40C-A

PROPOSED MONOTUBE

N. HUMBOLDT BLVD.

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
14 EA	40' WOOD POLES, CLASS 4
300 LF	2-2-4 TRIPLEX
950 LF	3#6 TRIPLEX
16 EA	6' ARM, 150W HPS
2 EA	RISER

POLE MOUNTED LIGHTING DISTRIBUTION CENTER T40C LOCATED AT 1025 E. WRIGHT ST.
APPX. 95' WEST OF N. HUMBOLDT BLVD., SOUTH SIDE OF WRIGHT ST.
LIGHTING DISTRIBUTION CENTER T40C SUPPLIES N.HUMBOLDT BLVD. BETWEEN START PAVING LIMIT TO E. LOCUST ST.
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.

SEE ABOVE
RIGHT

#2717 WP
6' ARM, 150W HPS COBRA
STA. 134+77;33.0'LT

N. HUMBOLDT BLVD.

#2747 WP
6' ARM, 150W HPS COBRA
STA. 138+2;33.0'LT

105'
3#12UF
CIR.T40C-A

#2732 WP
6' ARM, 150W HPS COBRA
STA. 137+22;33.0'RT

80'
3#6AL
CIR.T40C-A

NOTE 3
CIR.T40C-D
NOTE 2 (CIR.T40C-D)
#1031 WP
6' ARM, 150W HPS COBRA
STA. 138+95;70.0'LT

#2779 WP
6' ARM, 150W HPS COBRA
STA. 138+5;45.0'LT

E. HADLEY ST.

40'
3#6AL
CIR.T40C-A

80'
3#6AL
CIR.T40C-A

N. HUMBOLDT BLVD.

150'
3#6AL
CIR.T40C-A

#2800 WP
6' ARM, 150W HPS COBRA
STA. 139+22;33.0'RT

60'
3#12UF
CIR.T40C-A

EXISTING PED. UNIT
#14
H-17 HARP
HEAD SPLICE TOP OF LUMINAIRE
STA. 139+40;95.0'RT

CAUTION
THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM ORIGINAL SOURCE.

NOTES:
1. WOOD POLE INSTALLED BY CITY FORCES PRIOR TO PROJECT START.
2. SECONDARY CABLE RISER WITH PVC COVER ON SPECIFIED CIRCUIT.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN IN SERVICE. EXCAVATE 10' CABLE LENGTH ALLOWANCE FOR CONNECTION SHOWN IN STREET LIGHTING PLAN.

N. HUMBOLDT BLVD.

E. LOCUST ST.

SEE SHT 3 OF 8

#2812 WP
6' ARM, 150W HPS COBRA
STA. 140+75;33.0'RL

140'
3#6AL
CIR.T47C-D

EXISTING WEPCO
#2838
6' ARM, 150W HPS COBRA
TO REMAIN
STA. 142+30;33.0'RL

120'
3#6AL
CIR.T47C-D

#2862 WP
6' ARM, 150W HPS COBRA
STA. 143+72;33.0'RL

NOTE 1
#2878 WP
6' ARM, 150W HPS COBRA
STA. 145+90;45.5'RT

NOTE 1
#2877 WP
6' ARM, 150W HPS COBRA
STA. 145+17;45.0'LT

NOTE 1
40' WOOD POLE
STA. 145+49;59.5' LT

65'
3#6AL
CIR.T40C-A

NOTE 1
#1101 WP
6' ARM, 150W HPS COBRA
STA. 145+51;70.9'RT

100'
3#12UF
CIR.T47C-D

NOTE 1
#2900 WP
6' ARM, 150W HPS COBRA
STA. 146+33;38.0'RT

NOTE 1
#2901 WP
6' ARM, 150W HPS COBRA
STA. 146+33;44.7'LT

80'
3#12UF
CIR.T40C-A

74'
2#2/1#4AL
CIR.T47C-D

#1100 WEPCO WP
EXISTING 6' ARM
150W HPS COBRA
STA. 146+22;58.0'RT

PROPOSED MONOTUBE

SERVICE POLE

BUS SHELTER

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
3 EA	40' WOOD POLES, CLASS 4
225 LF	2-2-4 TRIPLEX
550 LF	3#6 TRIPLEX
7 EA	6' ARM, 150W HPS
0 EA	RISER

NOTE: SOME INFORMATION DUPLICATED FROM ABOVE PROFILE

N

POLE MOUNTED LIGHTING DISTRIBUTION CENTER T40C LOCATED AT 1025 E. WRIGHT ST.
APPX. 95' WEST OF N. HUMBOLDT BLVD., SOUTH SIDE OF WRIGHT ST.
LIGHTING DISTRIBUTION CENTER T40C SUPPLIES N.HUMBOLDT BLVD. BETWEEN START PAVING LIMIT TO E. LOCUST ST.
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.

PROTECT & ADJUST
DIRECT BURY
3#8/1#8LTP CABLE
CIR.T23N-B
TO PAVING LIMIT

EXISTING TO REMAIN
#1014
WEPCO WOOD POLE
6' ARM, 135W LED
ON CIR.T23N-B
STA. 145+93;200.0'LT

80'
3#12UF
CIR.T40C-A

25'
2#2/1#4AL
CIR.T47C-D

EXISTING TO REMAIN
#1100
26' DIRECT BURY CONRETE
6' ARM, 135W LED
STA. 146+21;125.0'RT
STA. 146+21;125.0'RT

PROTECT & ADJUST
DIRECT BURY
3#2/1#8LTP CABLE
CIR.T47N-D
TO PAVING LIMIT

70'
2#2/1#4AL
CIR.T47C-D

70'
2#2/1#4AL
CIR.T47C-D

EXISTING TO REMAIN
#1120
26' DIRECT BURY CONRETE
6' ARM, 135W LED
HEAD SPLICE & RISER
BY CITY FORCES
STA. 146+23;193.0'RT

74'
2#2/1#4AL
CIR.T47C-D

85'
3#6AL
CIR.T47C-D

PROTECT & ADJUST
DIRECT BURY
3#4/1#8LTP CABLE
CIR.T47N-D
TO PAVING LIMIT

60'
3#6AL
CIR.T47C-D

EXISTING TO REMAIN
#1111
26' DIRECT BURY CONRETE
6' ARM, 135W LED
STA. 145+54;126.0'RT

EXISTING TO REMAIN
#1121
26' DIRECT BURY CONRETE
6' ARM, 135W LED
RISER BY CITY FORCES
STA. 145+54;210.0'RT

100'
3#6AL
CIR.T47C-D

65'
3#6AL
CIR.T40C-A

NOTE 1
40' WOOD POLE
STA. 145+49;59.5' LT

NOTE 1
#2877 WP
6' ARM, 150W HPS COBRA
STA. 145+17;45.0'LT

NOTE 1
#2901 WP
6' ARM, 150W HPS COBRA
STA. 146+33;44.7'LT

NOTE 1
#2900 WP
6' ARM, 150W HPS COBRA
STA. 146+33;38.0'RT

NOTE 1
#1101 WP
6' ARM, 150W HPS COBRA
STA. 145+51;70.9'RT

#1100 WEPCO WP
EXISTING 6' ARM &
150W HPS COBRA
STA. 146+22;58.0'RT

PROPOSED MONOTUBE

SERVICE POLE

N. HUMBOLDT BLVD.

E. LOCUST ST.

CAUTION

THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM ORIGINAL SOURCE.

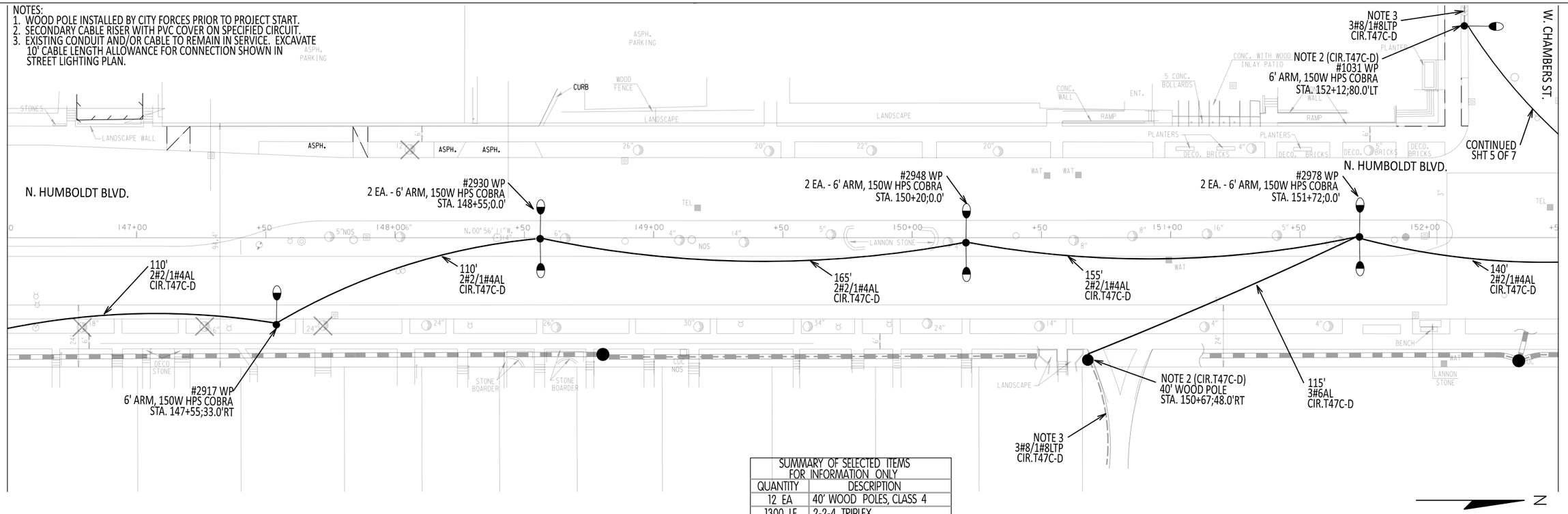
SHEET 4 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING TEMPORARY	SHEET OF 177	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

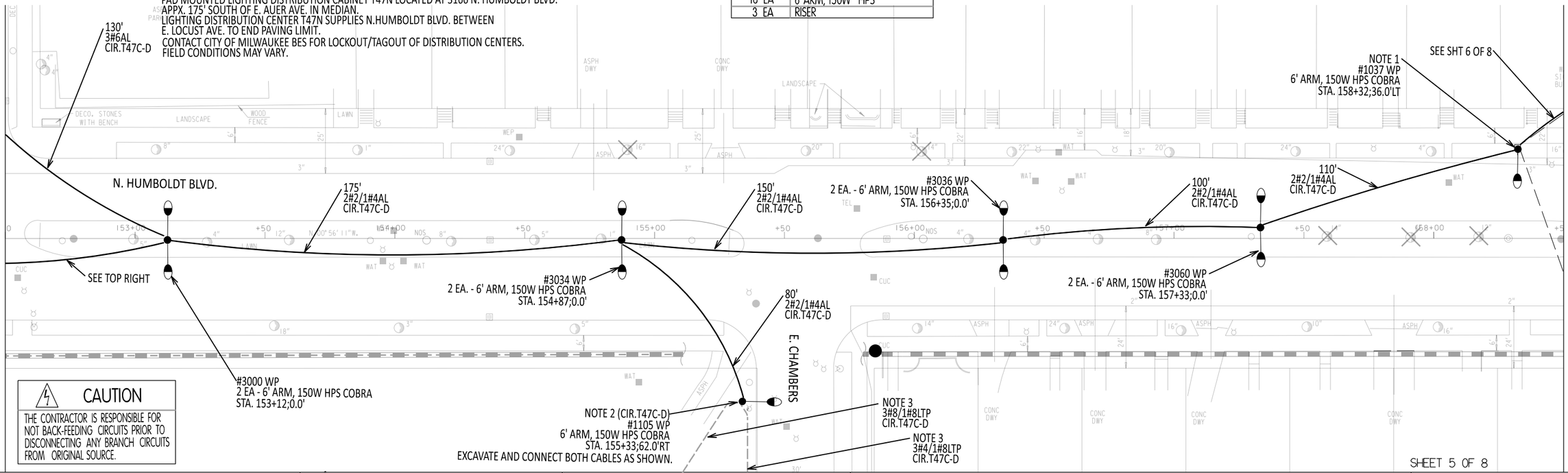
WISDOTCADDS SHEET 42

NOTES:
1. WOOD POLE INSTALLED BY CITY FORCES PRIOR TO PROJECT START.
2. SECONDARY CABLE RISER WITH PVC COVER ON SPECIFIED CIRCUIT.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN IN SERVICE. EXCAVATE 10' CABLE LENGTH ALLOWANCE FOR CONNECTION SHOWN IN STREET LIGHTING PLAN.



SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
12 EA	40' WOOD POLES, CLASS 4
1300 LF	2-2-4 TRIPLEX
250 LF	3#6 TRIPLEX
18 EA	6' ARM, 150W HPS
3 EA	RISER

PAD MOUNTED LIGHTING DISTRIBUTION CABINET T47N LOCATED AT 3166 N. HUMBOLDT BLVD.
APPX. 175' SOUTH OF E. AUER AVE. IN MEDIAN.
LIGHTING DISTRIBUTION CENTER T47N SUPPLIES N.HUMBOLDT BLVD. BETWEEN E. LOCUST AVE. TO END PAVING LIMIT.
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.



CAUTION
THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM ORIGINAL SOURCE.

SHEET 5 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING TEMPORARY	SHEET __ OF 178	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOTCADDS SHEET 42

NOTES:
1. WOOD POLE INSTALLED BY CITY FORCES PRIOR TO PROJECT START.
2. SECONDARY CABLE RISER WITH PVC COVER ON SPECIFIED CIRCUIT.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN IN SERVICE. EXCAVATE 10' CABLE LENGTH ALLOWANCE FOR CONNECTION SHOWN IN STREET LIGHTING PLAN.

NOTE 1
#1037 WP
6' ARM, 150W HPS COBRA
STA. 158+73;63'LT

NOTE 1
#3101 WP
6' ARM, 150W HPS COBRA
STA. 159+43:43.5' LT

75'
2#2/1#4AL
CIR.T47C-D

90'
3#12UF
CIR.T47C-D

N. HUMBOLDT BLVD.

120'
2#2/1#4AL
CIR.T47C-D

#3122
2 EA. - 6' ARM, 150W HPS COBRA
STA.160+53;0.0'

155'
2#2/1#4AL
CIR.T47C-D

#3136
2 EA. - 6' ARM, 150W HPS COBRA
STA.162+10;0.0'

NOTE 2 (CIR.T40C-B)
NOTE 2 (CIR.T40C-C)
NOTE 2 (CIR.T40C-D)
#3156 WP
2 EA. - 6' ARM, 150W HPS COBRA
STA.163+49;0.0'

100'
2#2/1#4AL
CIR.T47C-B

140'
2#2/1#4AL
CIR.T47C-D

3 EA. - 50'-3#2/1#8XLP
CIR.T40C-B,C,D
COILED/TAGGED
TERMINATION AT
ENCLOSURE BY CITY

N. HUMBOLDT BLVD.

100'
2#2/1#4AL
CIR.T47C-C

E. BURLEIGH

NOTE 1
#3100 WP
6' ARM, 150W HPS COBRA
STA. 159+52; 46.5' RT

NOTE 1
40' WOOD POLE
STA. 159+16; 63.1' RT

TEMPORARY
CONTROL CABINET

NOTE 1
40' WOOD POLE
STA. 158+55;46.5' RT

3#4/1#8 LTP SERVICE

PROPOSED MONOTUBE

CAUTION
THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM ORIGINAL SOURCE.

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
7 EA	40' WOOD POLES, CLASS 4
1600 LF	2-2-4 TRIPLEX
0 LF	3#6 TRIPLEX
17 EA	6' ARM, 150W HPS
3 EA	RISER

PAD MOUNTED LIGHTING DISTRIBUTION CABINET T47N LOCATED AT 3166 N. HUMBOLDT BLVD. APPX. 175' SOUTH OF E. AUER AVE. IN MEDIAN.
LIGHTING DISTRIBUTION CENTER T47N SUPPLIES N.HUMBOLDT BLVD. BETWEEN E. LOCUST AVE. TO END PAVING LIMIT.
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.

EXISTING TO REMAIN
#1037
WEP.CO.
W.P. 66-9886
6-0 U.B.,100W HPS

#3178 WP
2-6' ARM
2-150W HPS COBRA
STA.164+90;0.0'

E. AUER AVE.

110'
3#12UF
CIR.T47C-B

#3202 WP
2 EA - 6' ARM, 150W HPS COBRA
STA.166+12;0.0'

#3220 WP
2 EA - 6' ARM, 150W HPS COBRA
STA.167+76;0.0'

#3240 WP
2 EA - 6' ARM, 150W HPS COBRA
STA.169+39;0.0'

SEE TOP RIGHT

65"
2#2/1#4AL
CIR.T47C-B

65'
2#2/1#4AL
CIR.T47C-C

165'
2#2/1#4AL
CIR.T47C-B

165'
2#2/1#4AL
CIR.T47C-B

190'
2#2/1#4AL
CIR.T47C-B

N. HUMBOLDT BLVD.

90'
2#2/1#4AL
CIR.T47C-B

EXISTING TO REMAIN
#1101
WEP. CO.
W.P. #66-10181
6-0 U.B., 100W HPS
RISER, PEDESTAL
STA. 155+33;62.0'RT

NOTE 3
3#8/1#8LTP
CIR.T47C-C

SHEET 6 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING TEMPORARY	SHEET OF 179	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

NOTES:
1. WOOD POLE INSTALLED BY CITY FORCES PRIOR TO PROJECT START.
2. SECONDARY CABLE RISER WITH PVC COVER ON SPECIFIED CIRCUIT.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN IN SERVICE. EXCAVATE 10' CABLE LENGTH ALLOWANCE FOR CONNECTION SHOWN IN STREET LIGHTING PLAN.

#1037 WP
6' ARM, 150W HPS COBRA
STA. 171+99;69.0'LT

E. CONCORDIA AV.

110'
3#12UF
CIR.T47C-B

N. HUMBOLDT BLVD.

SEE SHT 6 OF 8

150'
2#2/1#4AL
CIR.T47C-B

#3276 WP
2 EA. - 6' ARM, 150W HPS COBRA
STA. 171+35;0.0'

#3300 WP
2 EA. - 6' ARM, 150W HPS COBRA
STA. 172+85;0.0'

105'
2#2/1#4AL
CIR.T47C-B

#3320 WP
2 EA. - 6' ARM, 150W HPS COBRA
STA. 173+90;0.0'

120'
2#2/1#4AL
CIR.T47C-B

#3332 WP
2 EA. - 6' ARM, 150W HPS COBRA
STA. 174+14;0.0'

155'
2#2/1#4AL
CIR.T47C-B

N. HUMBOLDT BLVD.

110'
3#6AL
CIR.T47C-B

NOTE 2 (CIR.T47C-D)
#1105 WP
6' ARM, 150W HPS COBRA
STA. 171+99;80.0'LT

NOTE 3
3#8/1#8LTP
CIR.T47C-B

E. CONCORDIA AV.

N

PAD MOUNTED LIGHTING DISTRIBUTION CABINET T47N LOCATED AT 3166 N. HUMBOLDT BLVD.
APPX. 175' SOUTH OF E. AUER AVE. IN MEDIAN.
LIGHTING DISTRIBUTION CENTER T47N SUPPLIES N.HUMBOLDT BLVD. BETWEEN E. LOCUST AVE. TO END PAVING LIMIT.
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.

CAUTION

THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM ORIGINAL SOURCE.

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
11 EA	40' WOOD POLES, CLASS 4
1100 LF	2-2-4 TRIPLEX
100 LF	3#6 TRIPLEX
19 EA	6' ARM, 150W HPS
1 EA	RISER

#1036 WP
6' ARM, 150W HPS COBRA
STA. 177+45;70.0'LT

E. TOWNSEND ST.

110'
3#12UF
CIR.T47C-B

#3356 WP
2 EA - 6' ARM, 150W HPS COBRA
STA. 153+12;0.0'

N. HUMBOLDT BLVD.

165'
2#2/1#4AL
CIR.T47C-B

#3422 WP
2 EA - 6' ARM, 150W HPS COBRA
STA. 153+12;0.0'

165'
2#2/1#4AL
CIR.T47C-B

#3436 WP
2 EA - 6' ARM, 150W HPS COBRA
STA. 153+12;0.0'

165'
2#2/1#4AL
CIR.T47C-B

N. HUMBOLDT BLVD.

SEE SHT 8 OF 8

#3460 WP
2 EA - 6' ARM, 150W HPS COBRA
STA. 153+12;0.0'

SHEET 7 OF 8

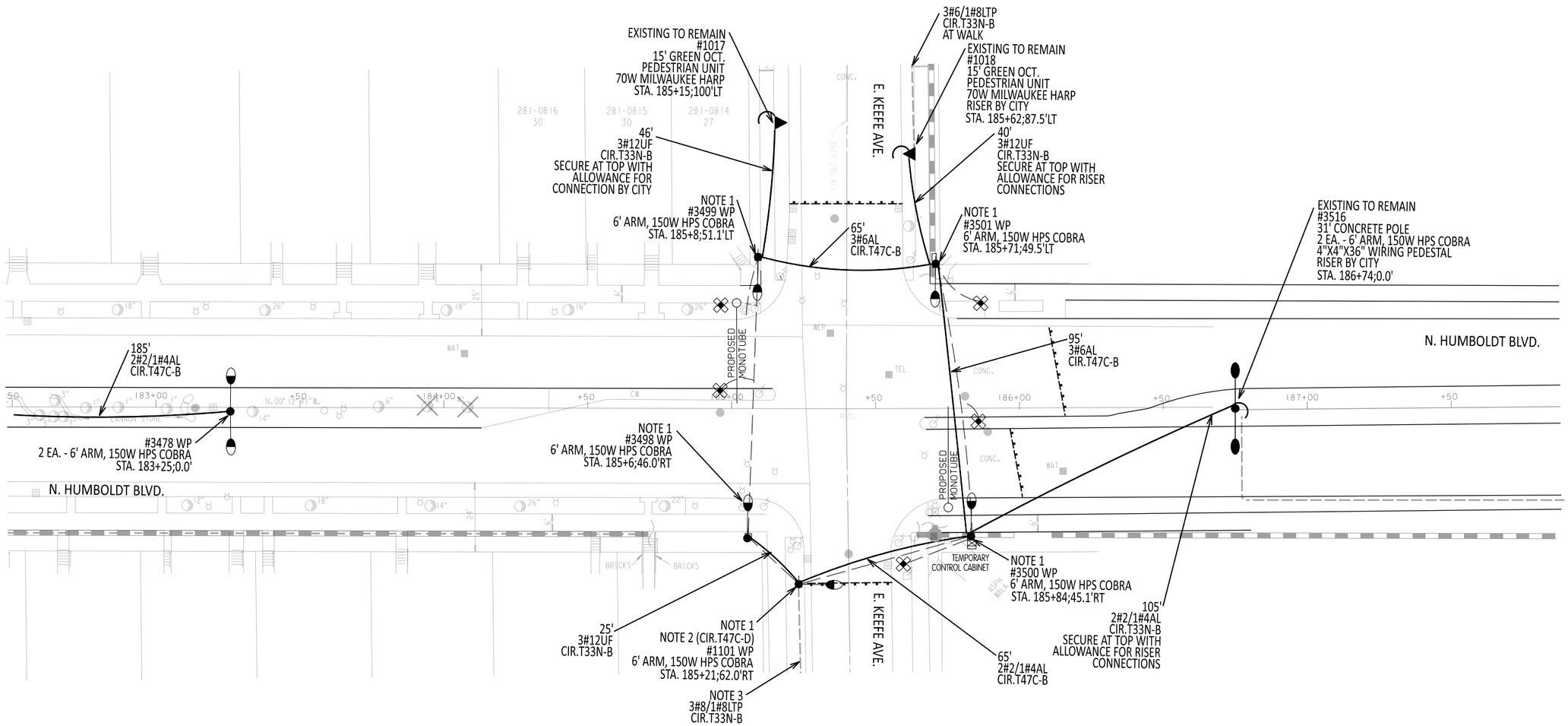
PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING TEMPORARY	SHEET OF 180	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

CAUTION

THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM ORIGINAL SOURCE.



SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
1 EA	40' WOOD POLES, CLASS 4
350 LF	2-2-4 TRIPLEX
250 LF	3#6 TRIPLEX
7 EA	6' ARM, 150W HPS
1 EA	RISER

NOTES:
1. WOOD POLE INSTALLED BY CITY FORCES PRIOR TO PROJECT START.
2. SECONDARY CABLE RISER WITH PVC COVER ON SPECIFIED CIRCUIT.
3. EXISTING CONDUIT AND/OR CABLE TO REMAIN IN SERVICE. EXCAVATE 10' CABLE LENGTH ALLOWANCE FOR CONNECTION SHOWN IN STREET LIGHTING PLAN.

POLE MOUNTED LIGHTING DISTRIBUTION CENTER T33N LOCATED AT 3800 N. FRATNEY ST. APPX. 25' NORTH OF E. VIENNA AVE., EAST SIDE OF FRATNEY ST. LIGHTING DISTRIBUTION CENTER T33N SUPPLIES N.HUMBOLDT BLVD. AT E. KEEFE AVE TO END PAVING LIMIT.

CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS. FIELD CONDITIONS MAY VARY.

SHEET 8 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING TEMPORARY	SHEET OF 181	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

TRAFFIC & STREET LIGHTING GENERAL NOTES:

PRIOR TO CONSTRUCTION, THE LOCATION OF UNDERGROUND UTILITIES SHALL BE DETERMINED IN THE FIELD BY CONTACTING "DIGGERS HOTLINE."

STREET LIGHTING & TRAFFIC SIGNALS SHALL BE INSTALLED IN COMPLIANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 652 EXCEPT:

THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCLUDING REPAIRS, REPLACEMENT OR RELOCATION ETC. OF STREET LIGHTING OR TRAFFIC SIGNAL FACILITIES IF THE CONTRACTOR DOES ANY DEVIATION FROM THE STREET LIGHTING OR TRAFFIC SIGNAL DESIGN WITHOUT THE STREET LIGHTING ENGINEERS SIGNED PERMISSION.

1 DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

2 LOCATIONS OF THE PVC CONDUITS WHERE THEY ARE REQUIRED ARE IDENTIFIED IN THE PRINTS. HOWEVER, INSTALLATION MAY REQUIRE INTEGRATION WITH EXISTING FIELD CONDITIONS. APPROPRIATE ADJUSTMENT ON CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. ANY RELOCATIONS MUST BE APPROVED BY THE ENGINEER. FIELD MARK EACH CONDUIT LOCATION BY STAMPING AND PAINTING WITH RED PAINT ON TOP AND BACKSIDE OF CURB.

3 TYPICAL CONDUIT INSTALLED UP TO DIRECT BURIED STREET LIGHT POLES IS AS FOLLOWS 3-INCH OR 2.5-INCH (AS NOTED) SCHEDULE 40 RIGID PVC TO STREET LIGHTING METAL HOUSING (PEDESTAL), THE 1.5-INCH SCHEDULE 40 RIGID PVC TO STREET LIGHT POLE CABLE SLOT, AND THE 2-INCH SCHEDULE 40 RIGID PVC TO SIGNAL STANDARD BASE AND RISER FOR TRAFFIC SIGNAL ON STREET LIGHT POLE.

4 DEPTH OF CONDUIT INSTALLED BELOW THE STREETS, HIGHWAYS, ROADS, AND ALLEYS SHALL BE 24-INCHES MINIMUM AND 36-INCHES MAXIMUM. (MEASURED FROM FINISHED FLANGE LINE)

5 CONDUIT INSTALLED BEHIND CURB, AND UNDER DRIVEWAYS SHALL BE INSTALLED AT A DISTANCE OF 6 INCHES AWAY FROM THE BACK OF CURB TO THE CENTER LINE OF CONDUIT, AND 18 INCHES DOWN MEASURED FROM THE TOP OF CURB OR FINISHED GRADE TO THE TOP OF CONDUIT.

6 WHEN THERE IS MORE THAN ONE CONDUIT TO BE INSTALLED, PLACE ALL CONDUITS IN THE SAME TRENCH.

7 ANY EXCEPTION TO THE MINIMUM OR MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

8 THE CONTRACTOR OR HIS SUBCONTRACTOR MUST MAKE SURE THE AREA BEHIND CURB AND/OR TRENCH SHALL BE FREE OF DEBRIS AND OVERPOUR AND SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

9 BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

10 ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS. (SEE NEC 352.28 2008 CODE)

11 PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED IMMEDIATELY AFTER INSTALLATION WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT, BUT EASILY REMOVED IN THE FUTURE. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

12 ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

13 CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX OR JUNCTION BOX OR BASE TO BASE, ETC.).

14 PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUIT.

15 ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS UNLESS OTHERWISE APPROVED BY THE STREET LIGHTING ENGINEER.

16 WHEN ENDS OF CONDUIT DO NOT CONNECT TO A PULL BOX / VAULT AND WILL END UP UNDER CONCRETE WALK. THE CONTRACTOR IS REQUIRED TO LEAVE A 24" X 24" BOX FORM CENTERED OVER THE END OF CONDUIT AND FILL THE BOXFORM WITH CRUSHED GRAVEL. (PER WISDOT SPEC 209.2.1(1) GRANULAR BACKFILL)

17 ALL PIPE CROSSINGS AND PULL BOXES / VAULTS SHALL BE AT LEAST SIX (6) FEET AWAY FROM FIRE HYDRANTS, UNLESS NOTED OTHERWISE, OR APPROVED BY THE STREET LIGHTING ENGINEER.

18 ALL POLES AND TRAFFIC STANDARDS IN CONCRETE ARE REQUIRED TO HAVE A 30"X30" BOX SHAPED JOINT PLACED AROUND THEM USING AN EXPANSION JOINT FILLER. UNLESS NOTED OTHERWISE (SEE DETAIL 122)

19 TYPICAL RECTANGULAR PULL BOXES / VAULTS SHOULD BE INSTALLED AS SHOWN ON PLANS, BUT WHEN IT IS NOT POSSIBLE, A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS AND FIRE HYDRANTS SHOULD BE USED, OTHERWISE APPROVED BY THE STREET LIGHTING ENGINEER.

20 LIGHT POLES AND TRAFFIC STANDARDS INSTALLED BEHIND THE CURB MUST MEET A MINIMUM DISTANCE OF 24 INCHES FROM THE FACE OF CURB TO THE CURB SIDE FACE OF THE POLE OR TRAFFIC STANDARD.

21 COORDINATE NEW CONDUIT CONNECTIONS WITH EXISTING CONDUIT, DUCT PACKAGES, AND PULL BOXES/ VAULTS/ MANHOLES WITH CITY OF MILWAUKEE STREET LIGHTING. THE CITY REQUIRES THREE WORKING DAYS ADVANCED NOTICE. CONTACT ELECTRICAL SUPERVISOR
STREET LIGHTING - DENNIS MILLER (OFFICE) 414-286-5942 (CELL) 414-708-4251 OR DISPATCHER @ 414-286-5944
TRAFFIC SIGNALS - AL NICHOLS (OFFICE) 414-286-3687 (CELL) 414-708-5148 OR DISPATCHER @ 414-286-3687

22 IMMEDIATELY AFTER THE CONTRACTOR HAS COMPLETED ALL THE ELECTRICAL PULL BOXES / VAULTS, CONDUIT AND CONDUIT CONNECTIONS, AND JUST BEFORE ELECTRICAL WORK IS COVERED UP WITH CONRETE, SOIL, OR ETC. THE CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SHOP SUPERVISORS FOR FINAL INSPECTION AND APPROVAL OF ALL WORK.
STREET LIGHTING - MARK MACRAE (OFFICE) 414-286-5942 (CELL) 414-708-0434
STREET LIGHTING - NEAL KARWEIK (OFFICE) 414-286-5943 (CELL) 414-708-4245
STREET LIGHTING - THOMAS HUGHES (OFFICE) 414-286-3457 (CELL) 414-708-3175
STREET LIGHTING - DISPATCHER @ 414-286-5944
TRAFFIC SIGNALS - RUDY GUTIERREZ (OFFICE) 414-286-5941 (CELL) 414-708-5148
TRAFFIC SIGNALS - DISPATCHER @ 414-286-3687

23 CONDUIT WILL ONLY BE INSTALLED AFTER THE CURB IS POURED, UNLESS APPROVED BY BOTH THE ENGINEER & STREET LIGHTING SHOP SUPERVISOR.

24 CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

25 CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

26 ALL PURPOSE ANTISEIZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY THE LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTION AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

27 Provide three sets as-built drawings detailing the final placement of conduit, cabling, equipment, and geometric modifications under the contract. Provide PDF copy conforming to CMM 1-65.14, or record all changes in Red ink Only on the As-Let (Design) paper drawings. The City will reject as-builts with incomplete or incorrect content or not conforming to CMM standards.

28 RETURN ALL REMOVED STREET LIGHTING FIXTURES TO STREET LIGHTING FIELD OFFICE
(ATTN: MIKE GUERRERO)
1540 W. CANAL ST. MILWAUKEE WI 53233

UTILITY LINE CODE

SAN	SANITARY SEWER
STO	STORM SEWER
W	WATER
G	GAS
G	PROPOSED GAS
E	ELECTRIC
TE&ES	TRAFFIC & STREET LIGHTING
	OLD CITY UNDERGROUND CONDUIT
CUC	PROPOSED CITY UNDERGROUND CONDUIT
T	TELEPHONE
TV	CABLE

SHEET 1 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET OF 182	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

TRAFFIC & STREET LIGHTING GENERAL NOTES:

AS-BUILT GUIDELINES:

PROVIDE AS-BUILT DRAWINGS DETAILING THE FINAL PLACEMENT OF CONDUIT, CABLING, EQUIPMENT, AND GEOMETRIC MODIFICATIONS UNDER THE CONTRACT. PROVIDE PDF COPY CONFORMING TO CMM 1-65.14, OR RECORD ALL CHANGES IN RED INK ONLY ON THE AS-LET (DESIGN) PAPER DRAWINGS. THE ENGINEER WILL REJECT AS-BUILTS WITH INCOMPLETE OR INCORRECT CONTENT OR NOT CONFORMING TO CMM STANDARDS.

IT IS CRITICAL THAT THE CONTRACTOR WORK ON THE AS-BUILT DRAWINGS WHILE THE JOB IS PROGRESSING, SO CHANGES ARE DOCUMENTED WHILE THEY ARE STILL FRESH IN YOUR MIND.

IF THERE IS A STRUCTURE DRAWING, INCLUDE ALL STRUCTURES DRAWING SHEETS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSERT ANY ADDENDUM OR REPLACEMENT DRAWING SHEETS. TO DO THIS, RENUMBER THEM SIMILARLY TO THE ORIGINAL DRAWING SHEET.

FOR EXAMPLE:
REVISED SHEET 5 WOULD REPLACE SHEET 5. HOWEVER, ALL THE ORIGINAL SHEETS SHALL REMAIN IN THE AS-BUILT. IF THE SHEET HAS BEEN REPLACED CROSS IT OUT WITH AN X AND INDICATE THE NUMBER OF ITS REPLACEMENT SHEET. IF ADDITIONAL SHEETS WERE ADDED, INSERT THEM IN THE ORIGINAL LOCATION AND LABEL THEM WITH THE PREVIOUS SHEET NUMBER FOLLOWED BY AN "A", "B", "C", ETC.

NOTE THE SHEET CHANGES ON THE TITLE SHEET UNDER THE ORDER OF SHEETS.

THE TITLE SHEET OF THE AS-BUILT DRAWING SHOULD INCLUDE THE FOLLOWING INFORMATION:
AS-BUILT DRAWING
SUPERVISOR:
PROJECT MANAGER:
CONTRACTOR LEADER:
CONTRACTOR COMAPNY:
WORK STARTED:
WORK COMPLETED:

LINE OUT OR CROSS OUT ALL CHANGED INFORMATION AND WRITE-IN THE CORRECTED INFORMATION ABOVE THE ORIGINAL OR CLOSE TO IT WHEREVER POSSIBLE. USE BLANK SPACES ON THE DRAWING SO NOTES ARE NOT SUPERIMPOSED. DRAWINGS WITH EXCESSIVE DETAIL MAY REQUIRE AN ALTERNATE APPROACH. NUMBERED CHANGES OR ADDITIONS MAY BE SHOWN ON SUPPLEMENTAL NON-DRAWING SHEETS.

- LOCATE AND CLEARLY LABEL ALL CONDUIT RUNS, FITTINGS, SPLICE VAULTS, PULL BOXES, METER PEDESTALS, CONCRETE BASES, TRANSFORMERS, POLES AND OTHER APPURTENANCES IN TWO DIRECTIONS. SWING TIES SHOULD BE MADE FROM THE OBJECTS THAT ARE PERMANENT IN NATURE AND VISIBLE ON THE FINISHED SURFACE.
- STREET NAMES SHALL BE ON ALL SHEETS.
- SHOW ALL SIZES AND MATERIAL TYPES OF PIPES AND CONDUITS, IF CHANGED OR MODIFIED FROM ORIGINAL DESIGN.
- ALL HORIZONTAL DISTANCES SHALL BE SHOWN TO THE NEAREST TENTH OF A FOOT (I.E., 205.3'). ALL VERTICAL DISTANCES SHALL BE TO THE NEAREST INCH (I.E., 24")
- SHOW LOCATION AND ELEVATIONS ON PIPES AND FITTINGS WHERE CHANGES OR DEFLECTIONS IN DIRECTION OCCUR.
- SPECIAL DETAIL DRAWINGS MAY BE REQUIRED WHERE INSTALLATIONS ARE NOT SHOWN ON APPROVED CONSTRUCTION DRAWINGS FOR WHATEVER REASON OR WHERE REQUIRED FOR CLARITY.
- TYPICAL SERVICE INSTALLATION DETAILS WITH DEVIATIONS FROM ORIGINAL PLANS OR STANDARD DETAILS SHALL BE NOTED ON AS-BUILT DRAWINGS.
- NO ARBITRARY MARK-UPS WILL BE PERMITTED.

IF THERE ARE NO CORRECTIONS OR ADDITIONS TO THE AS-LET PLAN(S) PUT "NO CHANGE" ON THE SHEET WITH ALL OTHER REQUIRED AS-BUILT INFORMATION.

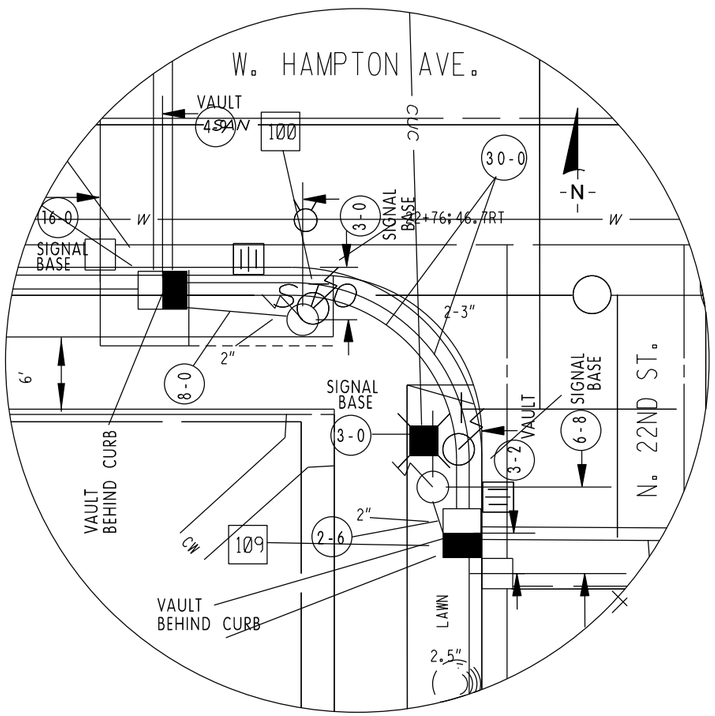
SEND TO:
CITY OF MILWAUKEE
INFRASTRUCTURE SERVICES DIVISION
TRANSPORTATION SECTION
STREET LIGHTING & CUC MANAGER
841 NORTH BROADWAY
ROOM 920
MILWAUKEE, WISCONSIN 53202

SHEET 2 OF 8

RECORD RETENTION REQUIREMENTS:

- CONTRACTOR TO LOCATE AND CLEARLY DIMENSION ALL OF THERE NEWLY INSTALLED CONDUIT RUNS, FITTINGS, SPLICE VAULTS, PULL BOXES, METER PEDESTALS, CONCRETE BASES, TRANSFORMERS, POLES AND OTHER APPURTENANCES IN TWO (2) DIRECTIONS. SWING TIES SHOULD BE MADE FROM OBJECTS THAT ARE PERMANENT IN NATURE AND VISIBLE ON THE FINISHED SURFACE.
- STREET NAMES SHALL BE ON ALL SHEETS.
- SHOW ALL SIZES AND MATERIAL TYPES OF PIPES AND CONDUITS, IF CHANGED OR MODIFIED FROM ORGINAL DESIGN.
- ALL HORIZONTAL DISTANCES SHALL BE SHOWN TO THE NEAREST TENTH OF A FOOT (I.E., 205.3'). ALL VERTICAL DISTANCES SHALL BE SHOWN TO THE NEAREST INCH (I.E. 24").
- SHOW LOCATION AND ELEVATIONS OF PIPES AND FITTINGS WHERE CHANGES OR DEFLECTIONS IN DIRECTION OCCUR.
- SPECIAL DETAIL DRAWINGS WILL BE SUPPLIED WHERE REQUIRED FOR CLARITY.
- DEVIATIONS FROM ORIGINAL PLANS OR STANDARD DETAILS SHALL BE NOTED ON AS-BUILT DRAWINGS.
- IF THERE ARE NO CORRECTIONS OR ADDITIONS TO THE AS-LET PLAN(S) PUT "NO CHANGE" ON THE SHEET.

SUPERVISOR:_____
PROJECT MANAGER:_____
CONTRACTOR LEADER:_____
CONTRACTOR COMPANY:_____
WORK STARTED:_____
WORK COMPLETED:_____



FIELD RECORD EXAMPLE DETAIL NOT TO SCALE

TYPICAL DIMENSIONING OF CONDUIT, VAULTS, AND CONCRETE BASES

MEASURING GUIDE LINES

IF CONDUIT IS NOT PLACED DIRECTLY BEHIND THE CURB IN THE ISLANDS & SIDE TERRACE AREAS, A MEASURED DISTANCE FROM THE FACE OF CURB TO THE CONDUIT WILL NEED TO BE PROVIDED.

PROVIDE A MEASURED DISTANCE OF UNINTERRUPTED CONDUIT RUNS

USE PERMANENT OBJECTS LIKE HYDRANTS, CATCH BASINS, OR EVEN CURB FACE LINES EXTENED TO MEASURE OFF WHEN LOCATING CONDUIT, VAULTS AND CONCRETE BASES.

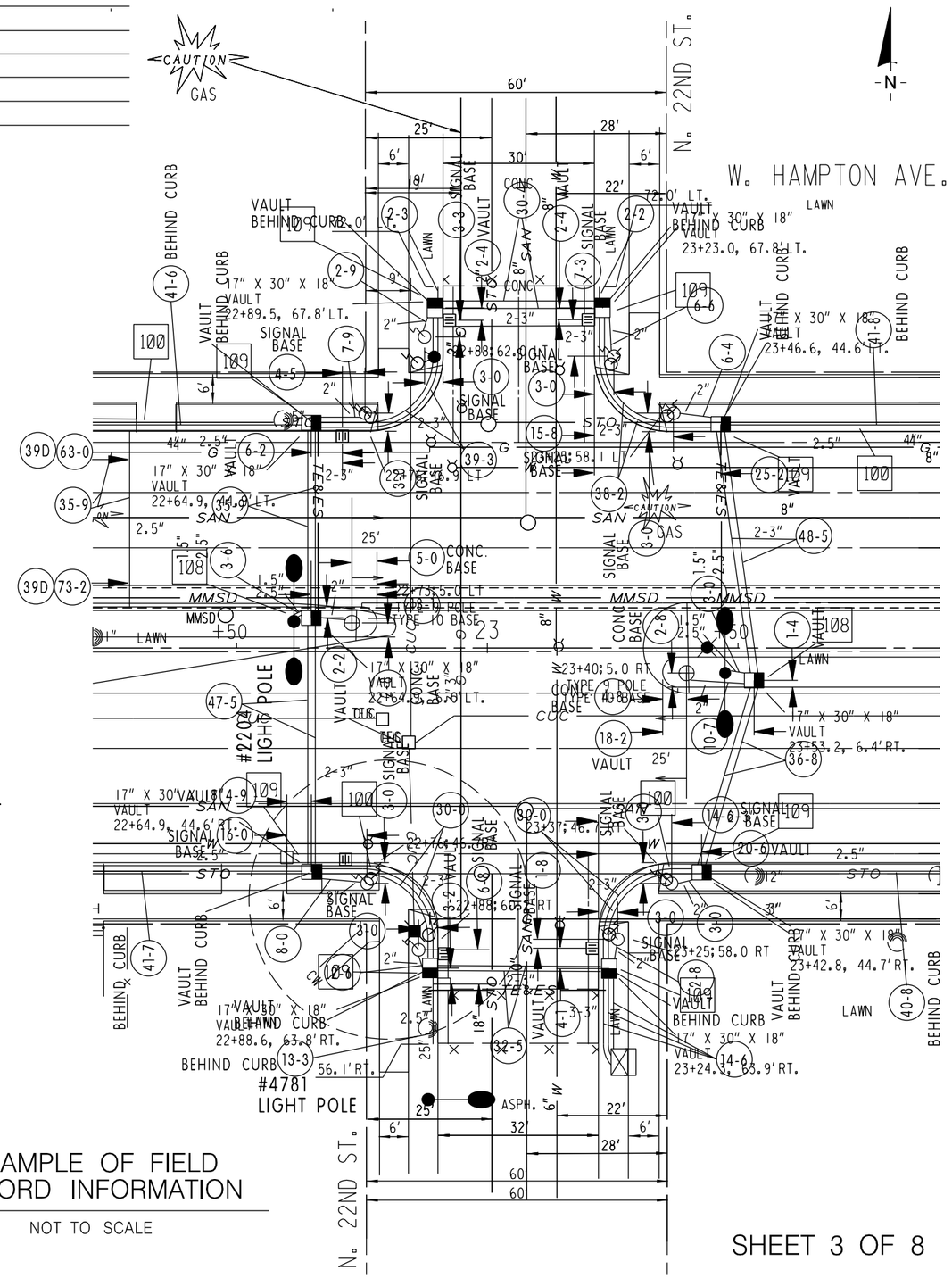
MEASURE TO OR FROM THE CENTERS OF OBJECTS FOR DISTANCE TAKING.

(39D) MEANS = CONDUIT IS 39" DEEP

(48-5) MEANS = LENGTH OF CONDUIT IS 48.5 FT. LONG (MEASURED TO NEAREST TENTH OF A FOOT)

OR

(25-6) MEANS = DISTANCE OF 25.6 FT. BETWEEN PERMANENT OBJECT OR CURB FACE TO CONDUIT, VAULT, AND CONCRETE BASE (MEASURED TO NEAREST TENTH OF A FOOT)



EXAMPLE OF FIELD RECORD INFORMATION

NOT TO SCALE

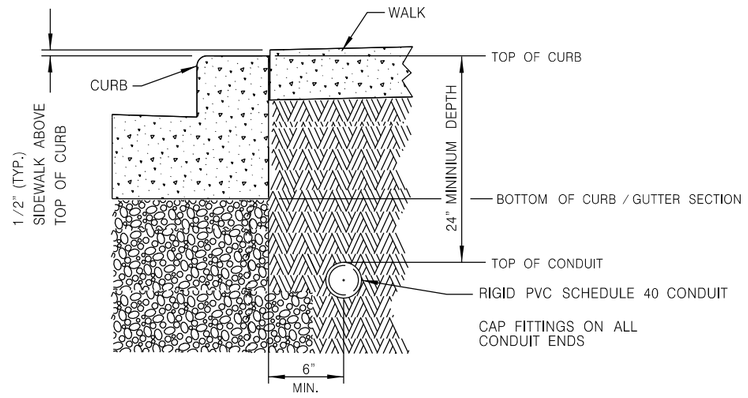
SHEET 3 OF 8

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET OF 184	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

NOTE: 1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.
2.) CONDUIT TO BE PLACED 6 INCHES ON CENTER DIRECTLY BEHIND CURB, UNLESS NOTED OR APPROVED BY ENGINEER.



100 — NOT TO SCALE

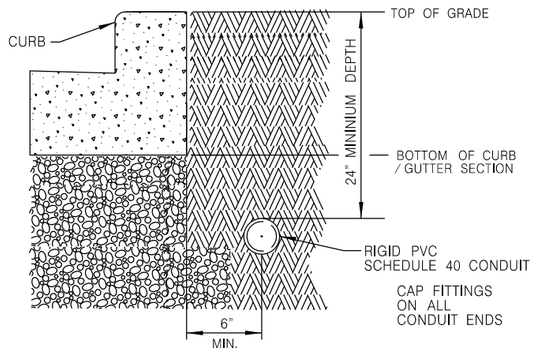
TYPICAL CONDUIT INSTALLATION BEHIND CURB

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286–5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

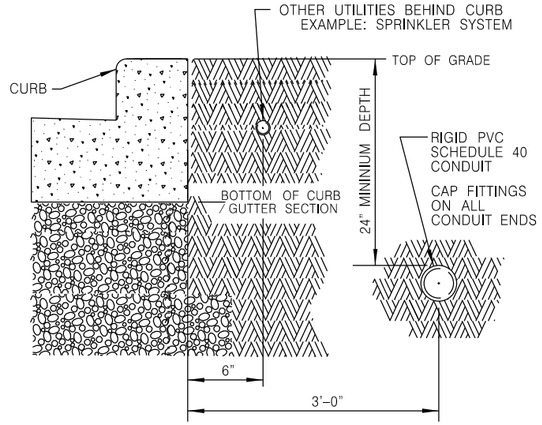
NOTE: 1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.

DETAIL "B"

CONDUIT TO BE PLACED 6" ON CENTER DIRECTLY BEHIND CURB, UNLESS NOTED OR APPROVED BY ENGINEER.



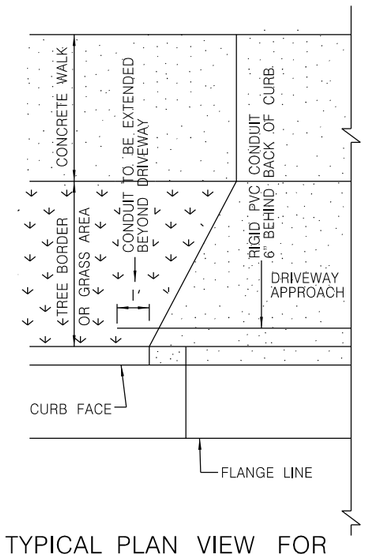
DETAIL "C"



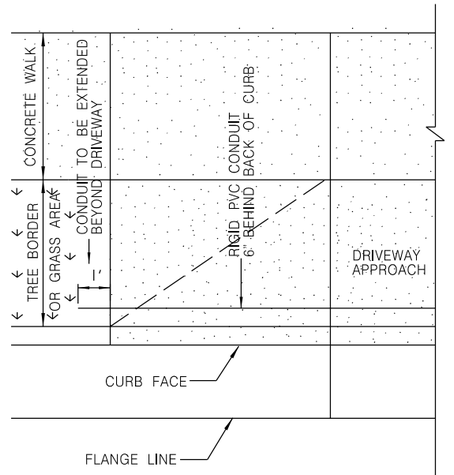
100 — NOT TO SCALE

DETAIL "B" & "C"
TYPICAL CONDUIT INSTALLATION BEHIND CURB

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286–5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

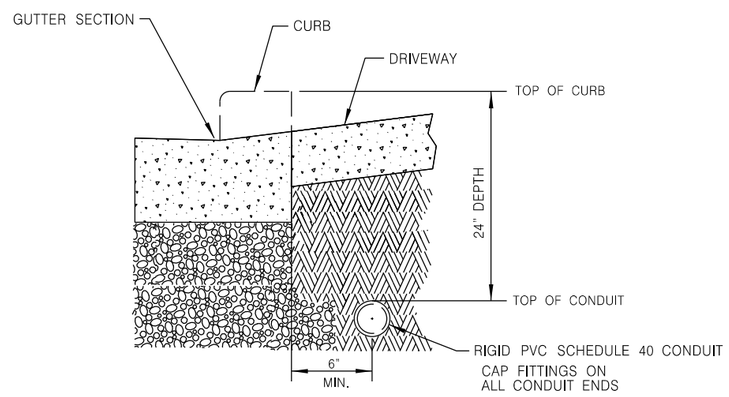


TYPICAL PLAN VIEW FOR FLARED DRIVEWAY



TYPICAL PLAN VIEW FOR DEPRESSED DRIVEWAY

NOTE: 1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.
2.) CONDUIT TO BE PLACED 6 INCHES ON CENTER DIRECTLY BEHIND CURB, UNLESS NOTED OR APPROVED BY ENGINEER.



101 — NOT TO SCALE

DETAIL
TYPICAL CONDUIT INSTALLATION UNDER DRIVEWAYS OR PEDESTRIAN RAMPS

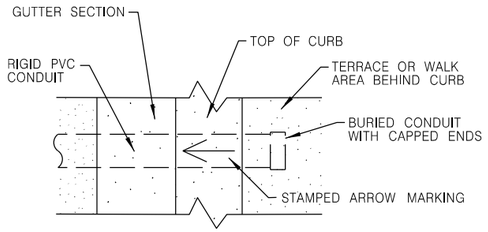
ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286–5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

SHEET 4 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET OF 185	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

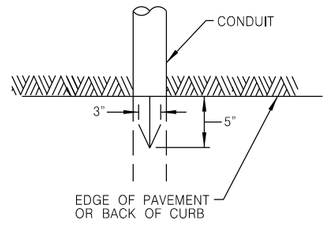


TOP VIEW OF CURB STAMPING

NOT TO SCALE

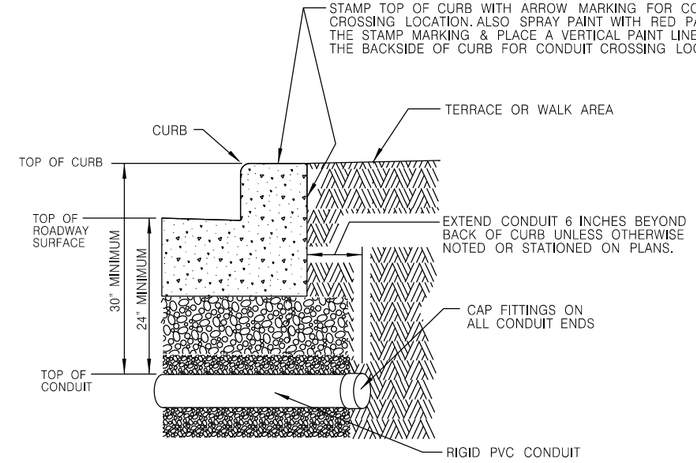
NOTE:

ARROW MARK SHALL BE INSCRIBED IN PAVEMENT SURFACE 1/4-INCH TO 3/8-INCH DEEP AT EACH LOCATION WHERE CONDUITS ARE PLACED UNDER THE PAVEMENT.



ARROW MARK

NOT TO SCALE

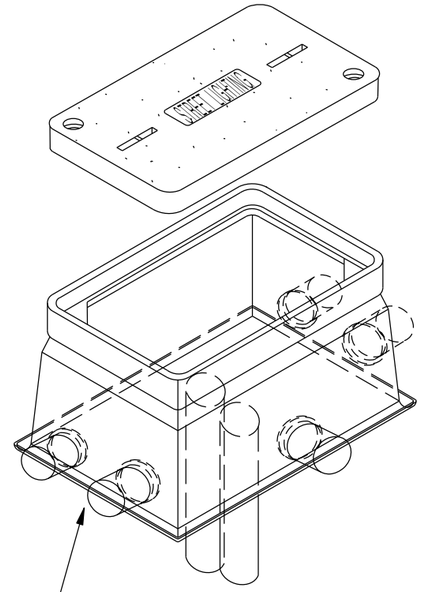


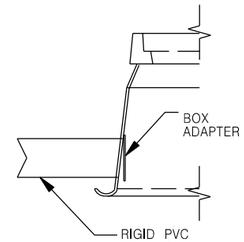
102 DETAIL VERSION #1

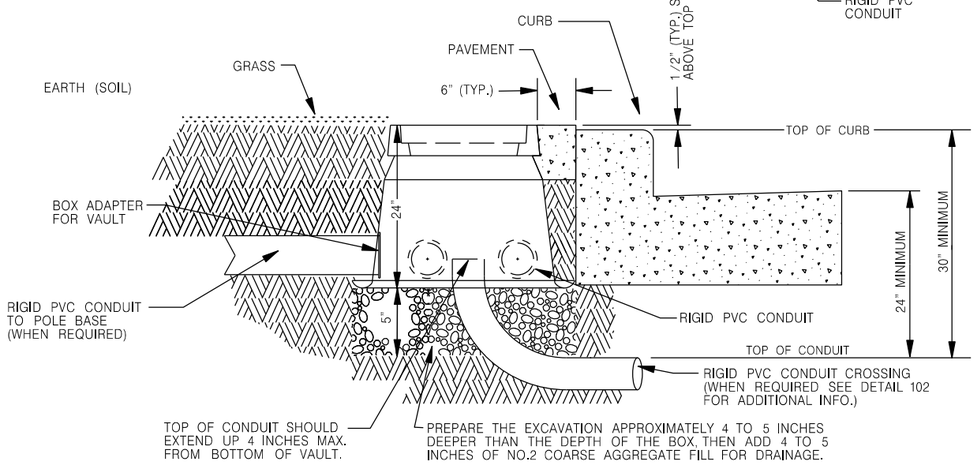
TYPICAL CONDUIT INSTALLATION FOR CROSSING ROADWAYS

NOT TO SCALE

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES. CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.





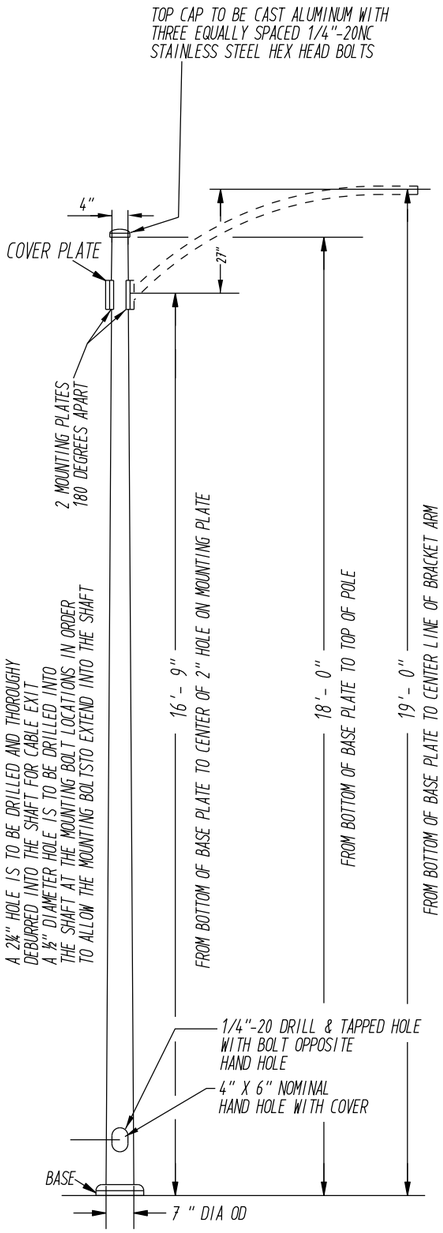


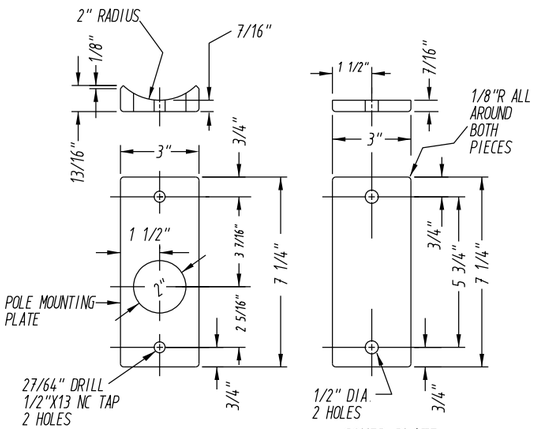
112 DETAIL

TYPICAL PULL BOX INSTALLATION IN EITHER PAVEMENT OR GRASS AREAS

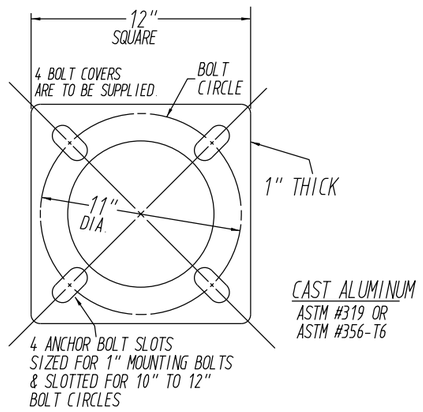
NOT TO SCALE

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES. CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.





BASE PLATE CASTING



REVISED DATE:	REVISED BY:
SPEC NO. 12c-C-1	

BOLT DOWN ALUMINUM POLE
19 FOOT MOUNTING HEIGHT

CITY OF MILWAUKEE D.P.W.
TRANSPORTATION SECTION
INFRASTRUCTURE SERVICES DIVISION

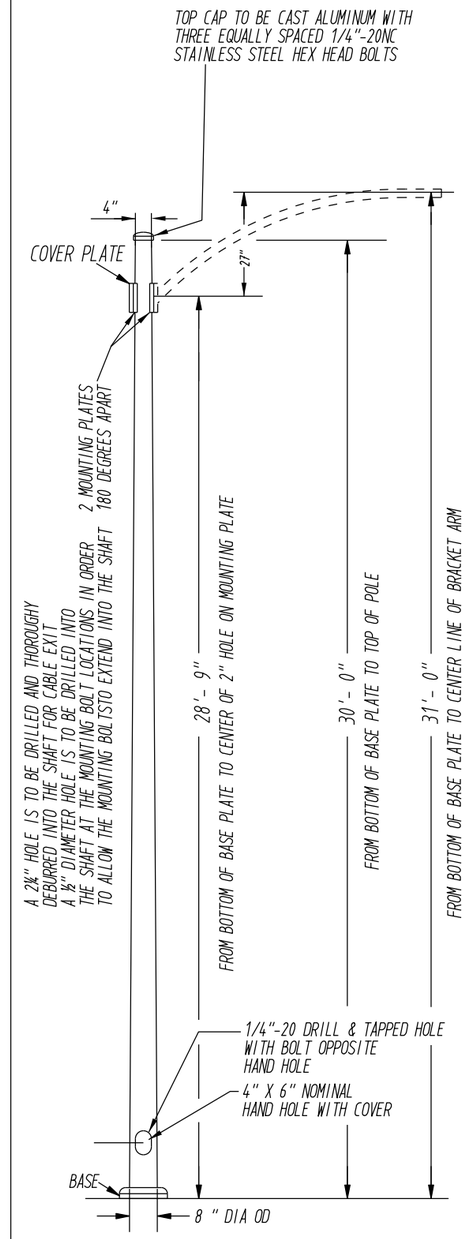
STREET LIGHTING DIVISION

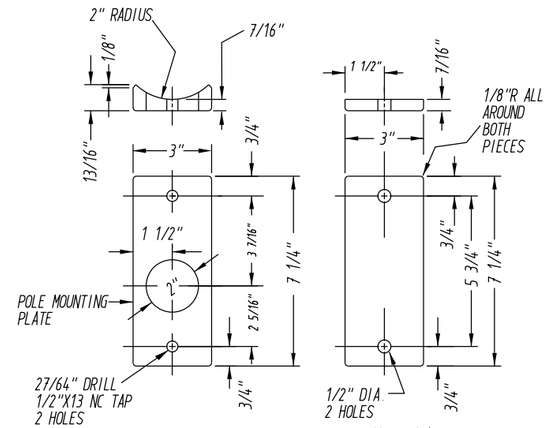
DATE	SCALE:	DRAWN	DESIGN	CHECKED	APPROVED
11-14-14	NONE	DK	BES	[illegible]	RWB

SUPERSEDES

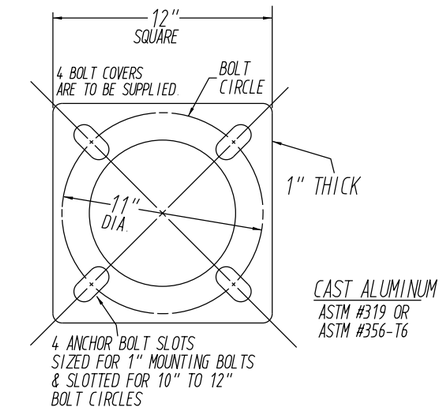
SUPERSEDED BY

DRG. # B-14-11





BASE PLATE CASTING



REVISED DATE:	REVISED BY:
SPEC NO. 12c-C-1	

BOLT DOWN ALUMINUM POLE
30 FOOT MOUNTING HEIGHT

CITY OF MILWAUKEE D.P.W.
TRANSPORTATION SECTION
INFRASTRUCTURE SERVICES DIVISION

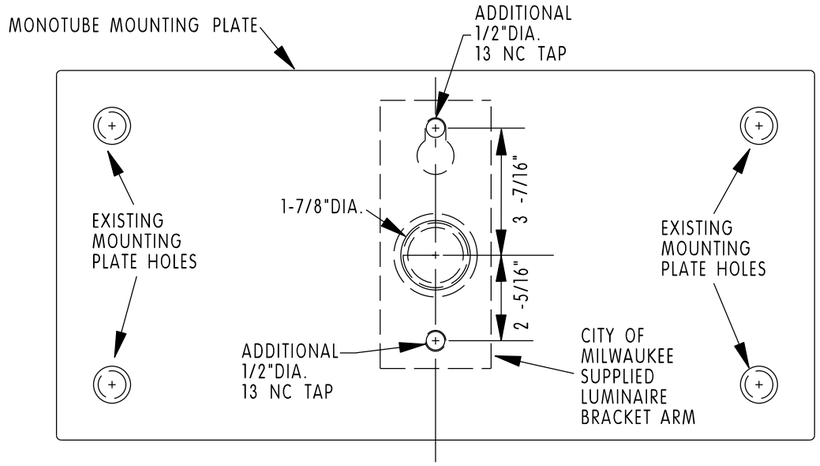
STREET LIGHTING DIVISION

DATE	SCALE:	DRAWN	DESIGN	CHECKED	APPROVED
11-14-14	NONE	DK	BES	[illegible]	RWB

SUPERSEDES

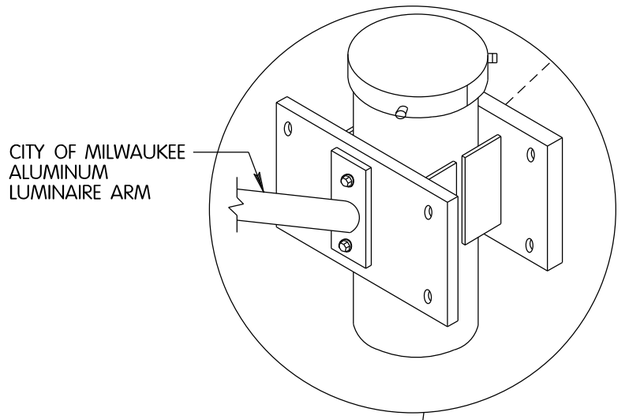
SUPERSEDED BY

DRG. # B-14-13

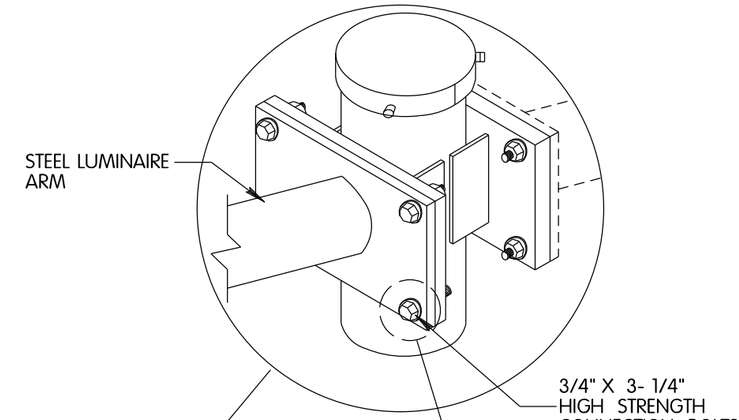


ADDITIONAL MOUNTING HOLES IN LUMINAIRE MOUNTING PLATE

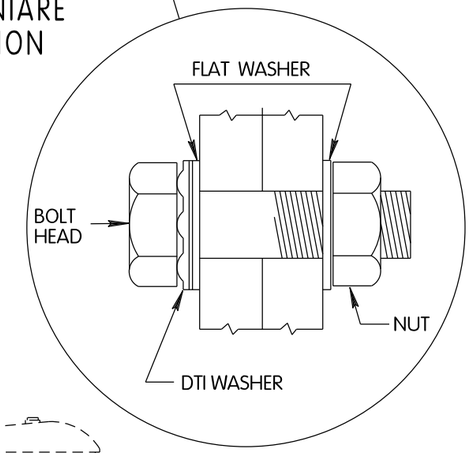
NOT TO SCALE



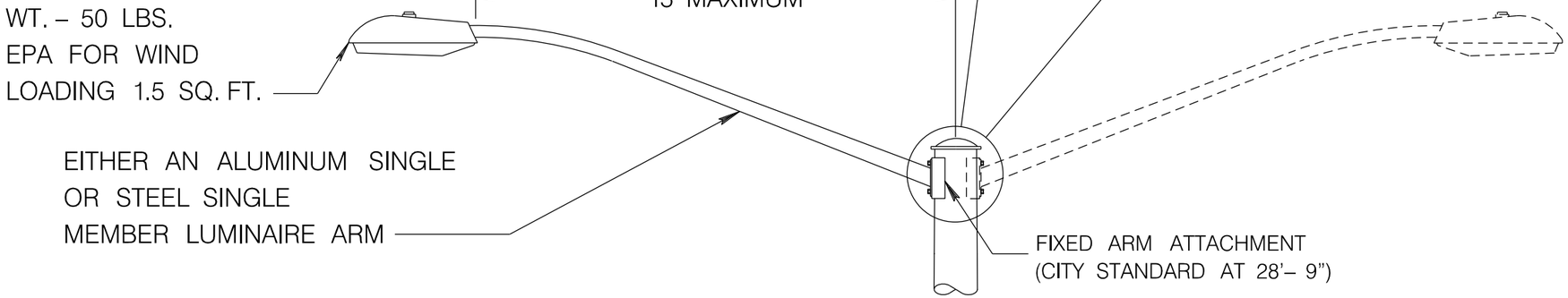
ALUMINUM LUMINIARE ARM OPTION



STEEL LUMINIARE ARM OPTION



RECOMMENDED BOLT ASSEMBLY DETAIL

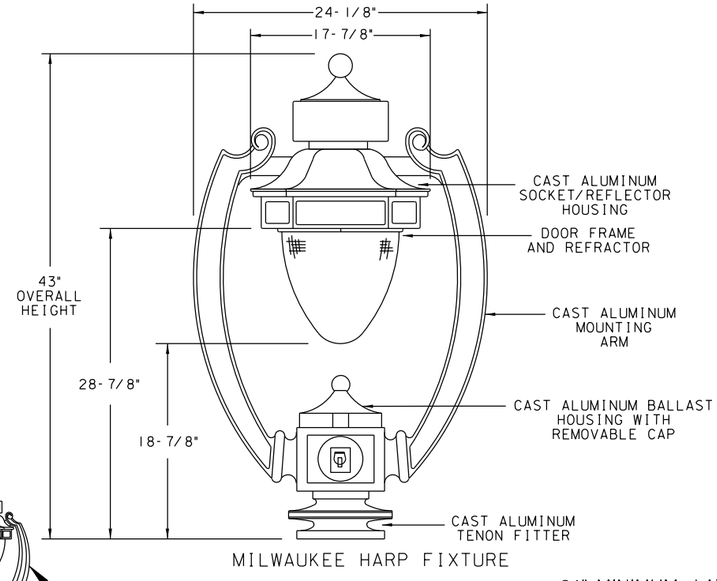


ADDITIONAL MOUNTING HOLES IN LUMINAIRE MOUNTING PLATE FOR WISDOT POLES: TYPE 10 (Bid Item: 657.1350) & TYPE 13(Bid Item: 657.1360)

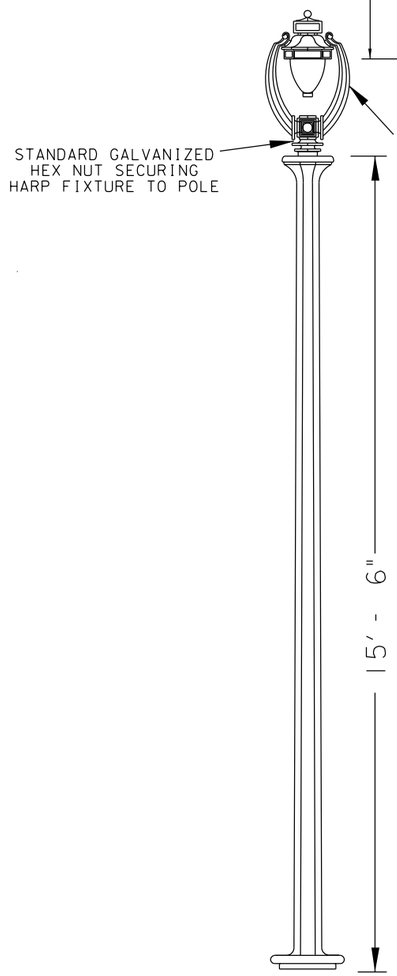
NOT TO SCALE

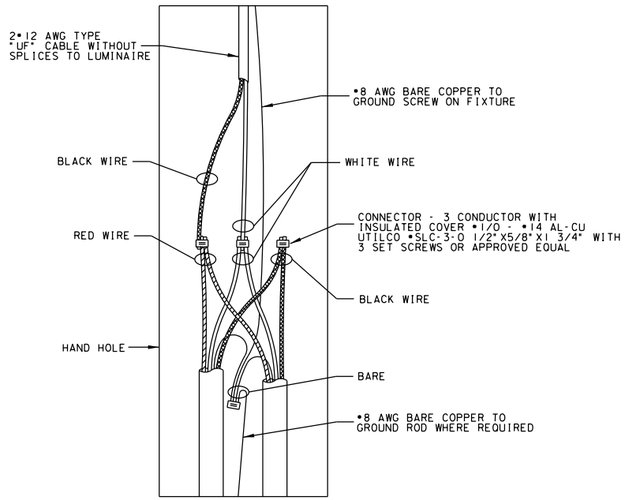
SHEET 7 OF 8

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET OF 188	E



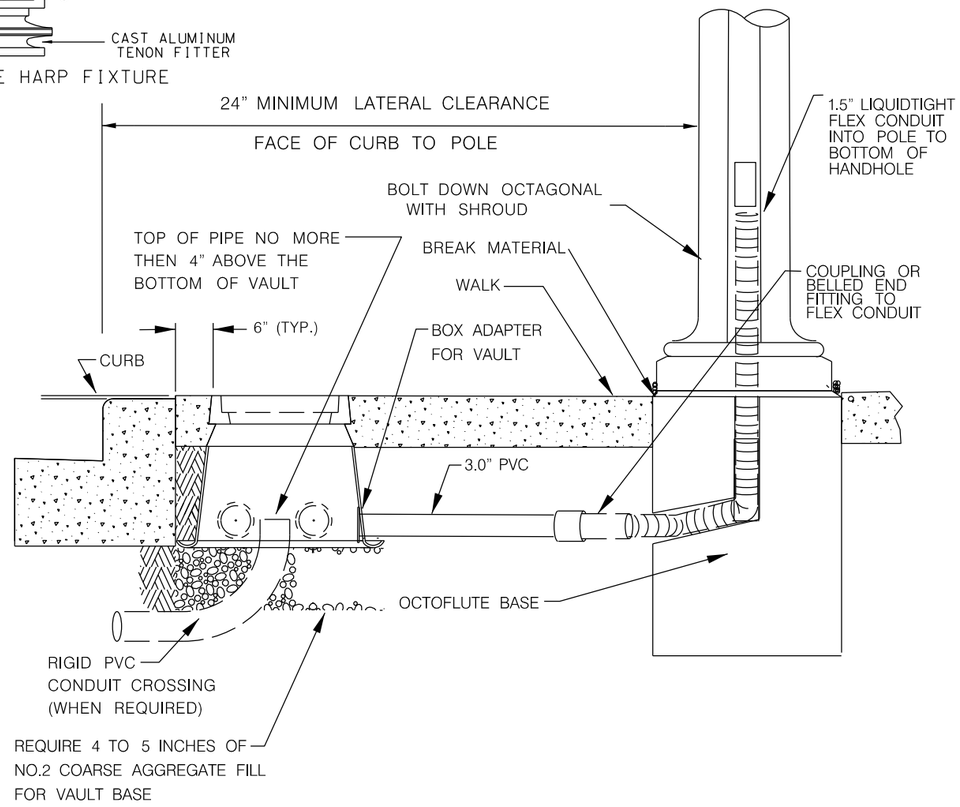
MILWAUKEE HARP FIXTURE





DETAIL

CONNECTIONS WITHIN HAND HOLE



124 DETAIL

TYPICAL CONDUIT INSTALLATION FROM VAULT TO OCTOFLUTE 16'-0" POLE

SHEET 8 OF 8

PROJECT NO: 2667-03-71	HWY:N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING DETAIL	SHEET 189	E

2

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

TYPICAL RECTANGLAR VAULT SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

N

E. NORTH AVE.

N. HUMBOLDT BLVD.

CONC.

To unit #1030

30'-3#6/1#8 XLPE CIR.T40C-C COILED/TAGGED IN PULLBOX

121 13"x24"x24" PULL BOX STA. 106+28;64.0'LT

#1030 (R) TYPE 10 SP BASE TYPE 10 SP POLE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 S40-2077-02

3#2/1#8 XLPE CIR.T40C-C

(R) #2251 TYPE 10 BASE TYPE 10 POLE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 S40-2077-01

13"x24"x24" PULL BOX 102 STA.104+95;30.0'LT

15'-3#2/1#8 XLPE CIR.T40C-C COILED/TAGGED IN PULLBOX

2301 (B) 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 STA. 106+46;35.0'LT

#2313 (B) 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 STA. 107+24;34.0'LT

#2322 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2-2#12UF W/GRD. INT. RISERS 2-6 FT. MITCHELL ARMS 2-2LED2 STA. 108+58;0.0'

3#2/1#8 XLPE CIR.T40C-C

112 13"x24"x24" PULL BOX STA. 108+82; 29.0'LT

3#2/1#8 XLPE CIR.T40C-C

100 3" PVC

101 3" PVC

DETAIL 1 102 3.0" PVC SCH.80

112 13"x24"x24" PULL BOX STA. 108+82; 4.0'LT

(B) CIR.T40C-B

(R) DETAIL 1 102 3.0" PVC SCH.80

#2312 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2-2#12UF W/GRD. INT. RISERS 2-6 FT. MITCHELL ARMS 2-2LED2 STA. 107+32;33.0'RT

101 3.0" PVC

3#2/1#8 XLPE CIR.T40C-B

112 13"x24"x24" PULL BOX STA. 108+82; 32.0'RT

(R) #2248 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 STA.105+05;36.0'RT

13"x24"x24" PULL BOX 102 STA.104+95;35.0'RT

(B) #1101 TYPE 10 SP BASE TYPE 10 SP POLE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 S40-2077-04

DETAIL B 100 3" PVC

3#2/1#8 XLPE CIR.T40C-B

#1102 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2#12UF W/GRD. INT. RISERS 6 FT. MITCHELL ARMS 2LED2 STA. 106+28;55.0'RT

#2300 (R) TYPE 10 BASE TYPE 10 POLE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 S40-2077-03

3#2/1#8 XLPE CIR.T40C-B

15'-3#2/1#8 XLPE CIR.T40C-B COILED/TAGGED IN PULLBOX

13"x24"x24" PULL BOX 102 STA. 105+57;167'RT

To unit #1115

CONC. 30' 4' 33' CONC. 90'

POLE ADDRESS 2" SILVER ON BLACK

ADDRESS LOCATION

TRAFFIC CURB

PLACE ADDRESS 6'-0" ABOVE GRADE

CONTRACTOR FURNISHED AND INSTALLED

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- (B) (R) RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

SCALE, FEET 0 30

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	190	E

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

TYPICAL RECTANGLAR VAULT SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

#2348
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA.109+77;0.0'

#2356
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA.111+0;0.0'

#2378
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA. 112+12;0.0'

#2402
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA. 113+12;0.0'

#1030 (R)
19' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISERS
6 FT. MITCHELL ARMS
1LED2
STA. 112+85;70.0'LT

#1101
LUMINAIRE
TO BE REMOVED
BY CITY

#1102
19' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISERS
6 FT. MITCHELL ARMS
1LED2
STA. 112+78;77.0'RT

#1103 (R)
19' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISERS
6 FT. MITCHELL ARMS
1LED2
STA. 109+15;60.0'RT

112 13"x24"x24" PULL BOX STA. 109+82;27.0'LT

112 13"x24"x24" PULL BOX STA. 109+82;3.0'LT

112 13"x24"x24" PULL BOX STA. 109+82;27.0'RT

112 13"x24"x24" PULL BOX STA. 109+15;47.0'RT

112 13"x24"x24" PULL BOX STA. 109+49;47.0'RT

112 13"x24"x24" PULL BOX STA. 112+15;27.0'LT

112 13"x24"x24" PULL BOX STA. 112+46;50.0'T

112 13"x24"x24" PULL BOX STA. 112+85;50.0"LT

112 13"x24"x24" PULL BOX STA. 112+15;3.0'LT

112 13"x24"x24" PULL BOX STA. 113+9;3.0'LT

112 13"x24"x24" PULL BOX STA. 113+9;27.0'LT

102 13"x24"x24" PULL BOX STA. 112+15;27.0'RT

102 13"x24"x24" PULL BOX STA. 112+44;60.0'RT

100 3" PVC

100 3" PVC CAP END AT PAVING LIMIT

100 3" PVC 2' BACK OF CURB

101 3.0" PVC

102 3.0" PVC SCH.80

3#2/1#8 XLPE CIR.T40C-C

3#2/1#8 XLPE CIR.T40C-B

3#2/1#8 XLPE TEL CIR.T40C-C

CIR.T40C-B

CIR.T40C-C

TEL.

PED.

TE&ES

RAMP

BUS STOP

ENT.

ENT

CONC.

CUC

CMB

60" COMB

15" COMB

N. HUMBOLDT BLVD.

E. WALWORTH ST

E. MEINECKE AVE.

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH
  - 2- CONTRACTOR SUPPLIED ARMS
  - 2- LED LUMINAIRES
  - 2- 2#12UF W/GND RISER CABLES
  - 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- (B) (R) - RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

POLE ADDRESS 2" SILVER ON BLACK

ADDRESS LOCATION

TRAFFIC

CURB

PLACE ADDRESS 6'-0" ABOVE GRADE

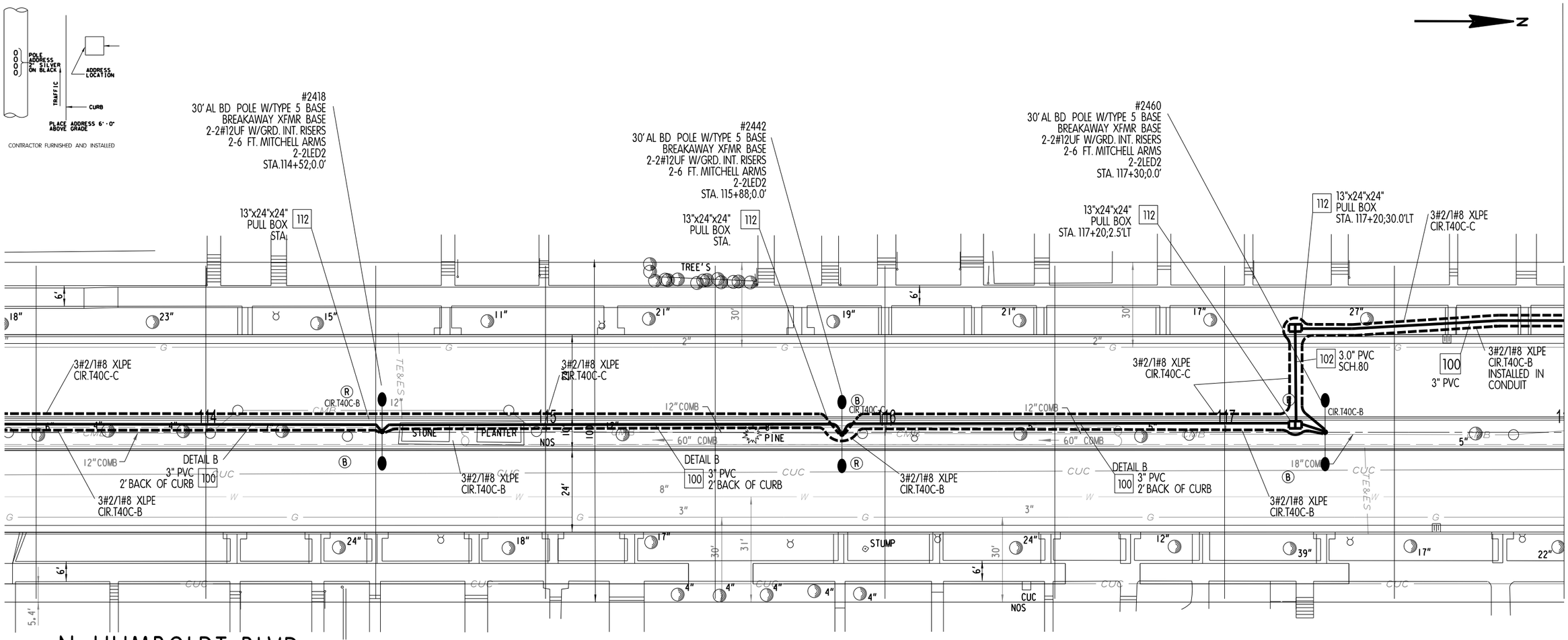
CONTRACTOR FURNISHED AND INSTALLED

SCALE, FEET 0 30

SHEET 2 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	SHEET 191	E

CONTRACTOR FURNISHED AND INSTALLED



LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- (B) (R) RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

TYPICAL RECTANGLAR VAULT SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

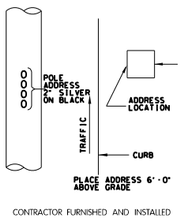
TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

SCALE, FEET 0 30

SHEET 3 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	192	E



CONTRACTOR FURNISHED AND INSTALLED

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- Ⓑ Ⓡ RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

N

EXISTING 17"x30"x24" PULL BOX STA. 119+5; 119'LT

20'-2-3#2/1#8 XLPE CIR.T40C-B,C COILED/TAGGED IN PULLBOX

T40C POLE MOUNT ENCLOSURE

102 2-3.0" PVC SCH.80 SPECIAL

20'-2-3#2/1#8 XLPE CIR.T40C-A,D COILED/TAGGED IN PULLBOX

EXISTING 13"x24"x24" PULL BOX STA. 119+40;122LT

2-3#2/1#8 XLPE CIR.T40C-B,C

100 3" PVC

100 2-3" PVC SPECIAL

100 2-3" PVC SPECIAL

Ⓡ #1038 19' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2#12UF W/GRD. INT. RISERS 6 FT. MITCHELL ARMS 1LED2 STA. 119+40;60.0'LT

Ⓑ #2477 TYPE 10 BASE TYPE 10 POLE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 S40-2078-02

3#2/1#8 XLPE CIR.T40C-A

3#2/1#8 XLPE CIR.T40C-D

Ⓡ #2502 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 STA. 119+60;30.0'LT

3#2/1#8 XLPE CIR.T40C-C

LAWN

3#2/1#8 XLPE CIR.T40C-D

#2518 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2-2#12UF W/GRD. INT. RISERS 2-6 FT. MITCHELL ARMS 2-2LED2 STA. 121+10;0.0'

112 13"x24"x24" PULL BOX STA. 121+25;32'LT

100 3" PVC

3#2/1#8 XLPE CIR.T40C-B

Ⓑ 3#2/1#8 XLPE CIR.T40C-A

100 3" PVC

102 3.0" PVC SCH.80

112 13"x24"x24" PULL BOX STA. 121+25;0.0

3#2/1#8 XLPE CIR.T40C-D

3#2/1#8 XLPE CIR.T40C-B 8"

100 3" PVC

3#2/1#8 XLPE CIR.T40C-A

DETAIL B 100 3" PVC 2' BACK OF CURB

102 3.0" PVC SCH.80

Ⓡ #2478 30' AL BD POLE W/TYPE 5 BASE BREAKAWAY XFMR BASE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 STA.118+85;30.0'RT

20'-3#2/1#8 XLPE CIR.T40C-B COILED/TAGGED IN PULLBOX

DETAIL B 100 3" PVC CAP AT PAV. LIM.

2.5" PVC TO EXISTING 4"X4"X36" WIRING PEDESTAL AT #1102

#1102 Ⓑ LIGHT POLE TO REMAIN

Ⓡ #2502 TYPE 10 BASE TYPE 10 POLE 2#12UF W/GRD. INT. RISER 6 FT. MITCHELL ARM 2LED2 S40-2078-01

112 13"x24"x24" PULL BOX STA. 121+25;32.0'RT

E. WRIGHT ST.

N. HUMBOLDT BLVD.

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

TYPICAL RECTANGLAR VAULT SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

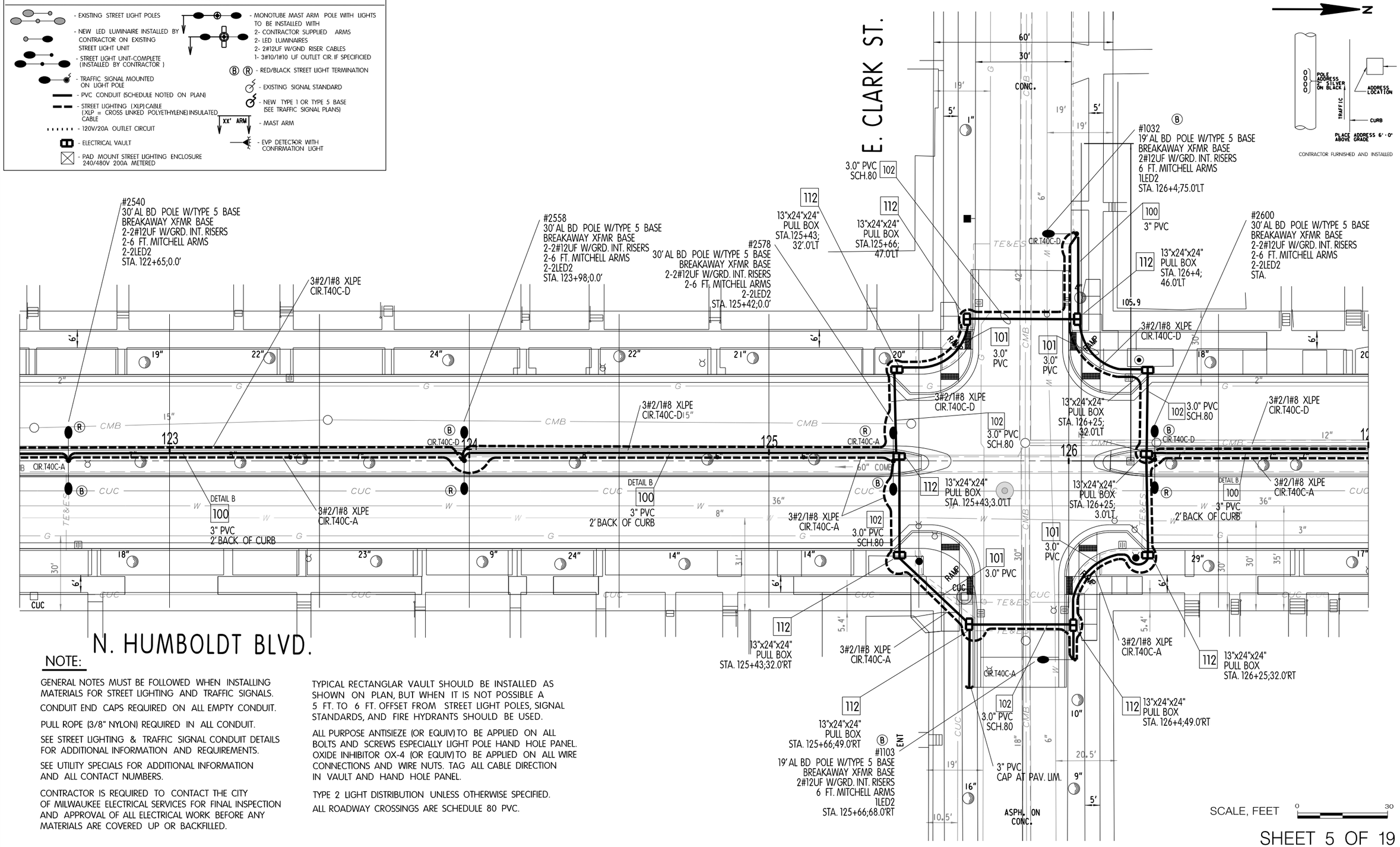
SCALE, FEET 0 30

SHEET 4 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	193	E

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- Ⓑ Ⓡ RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT



NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

TYPICAL RECTANGLAR VAULT SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

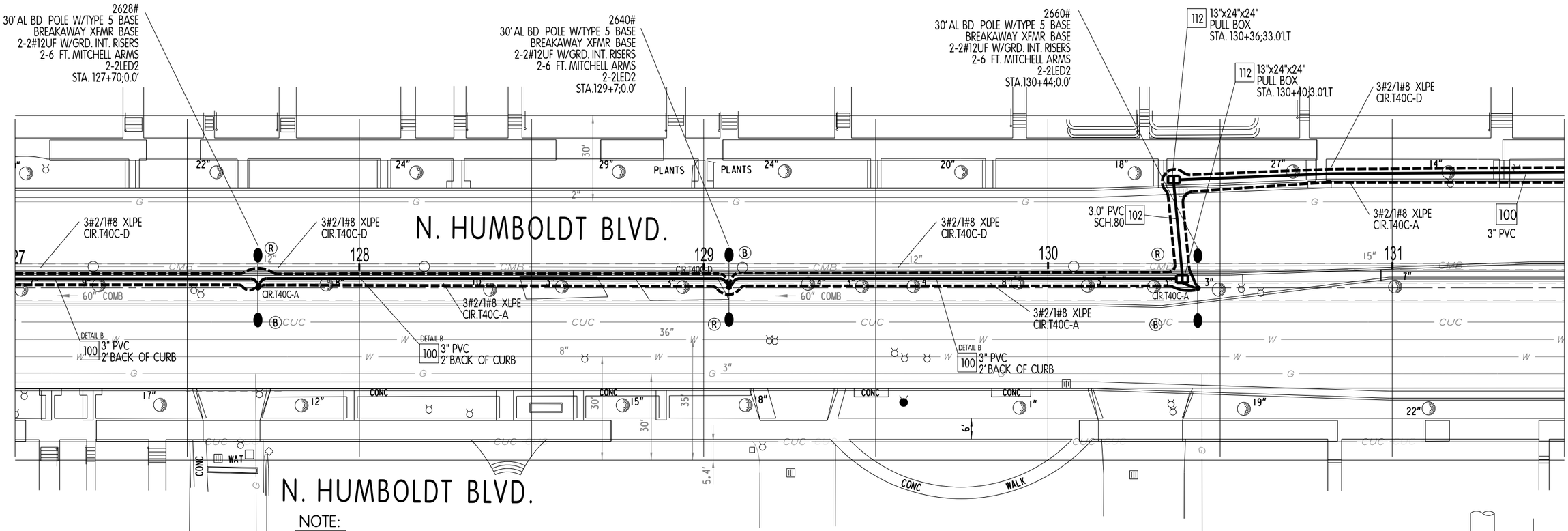
SHEET 5 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	194	E

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- Ⓑ Ⓡ RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

N



NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

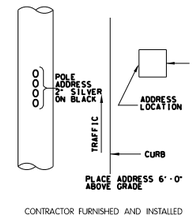
CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

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ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.



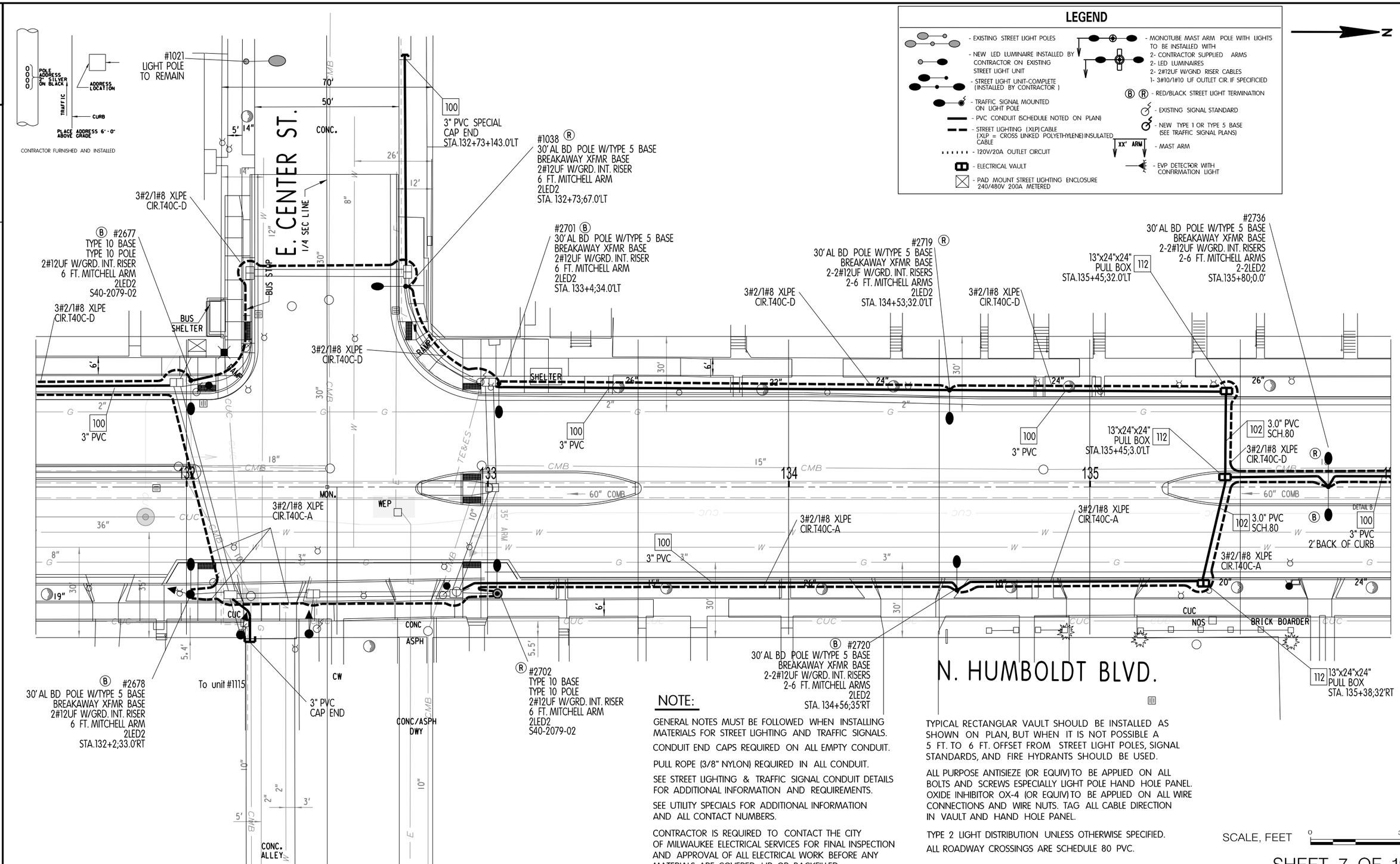
CONTRACTOR FURNISHED AND INSTALLED

SCALE, FEET 0 30

SHEET 6 OF 19

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	195	E

FILE NAME : W:\bes\pavings\2022\nHumboldt Blvd – North to Keefe (2667-03-01)\SL Conduit\SL Humboldt 90.dgn
PLOT DATE : 28-OCT-2021 08:05
PLOT BY : lhickm
PLOT NAME :
PLOT SCALE : 1:30
WISDOT/CADDS SHEET 42



NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

TYPICAL RECTANGLAR VAULT SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

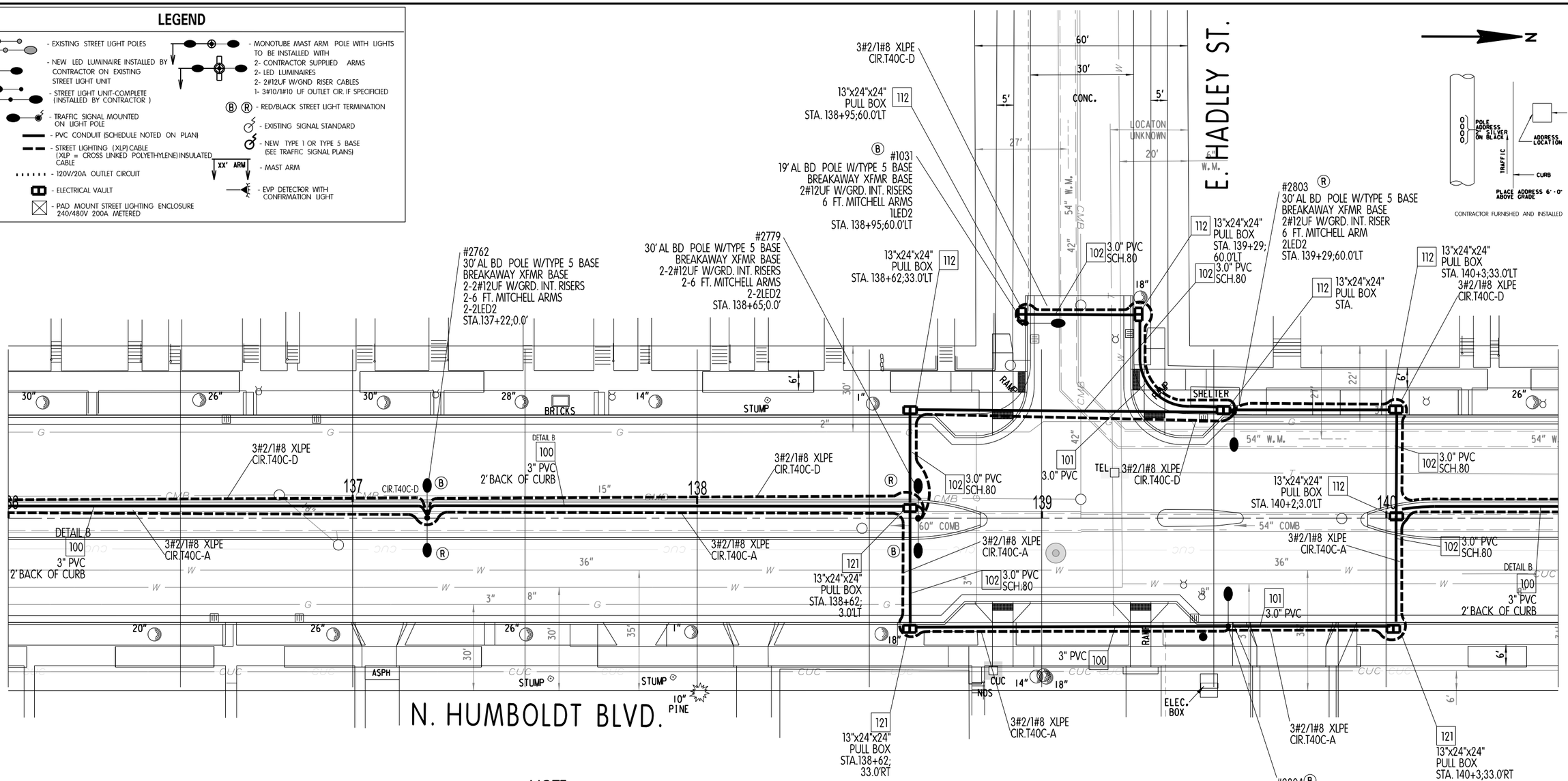
SCALE, FEET 0 30

SHEET 7 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	196	E

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- Ⓑ Ⓡ RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM — MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT



NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

TYPICAL RECTANGLAR VAULT SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

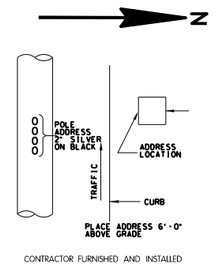
SCALE, FEET 0 30

SHEET 8 OF 19

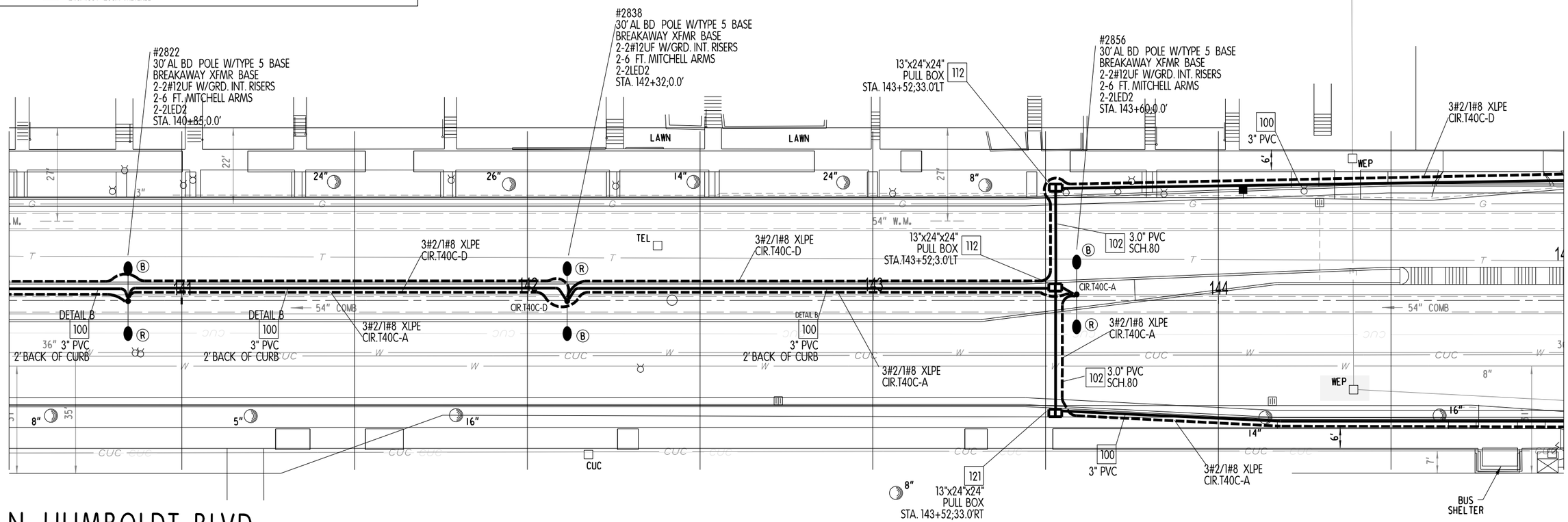
PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	197	E

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- Ⓑ Ⓡ RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT



CONTRACTOR FURNISHED AND INSTALLED



N. HUMBOLDT BLVD.

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

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ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

SCALE, FEET 0 30

SHEET 9 OF 19

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	198	E

2

3" PVC 100
CAP AT PAV. LIMIT
STA. 145+52;229.0'LT

CONC.

100 3" PVC
CAP AT PAV. LIMIT
STA. 145+91;229.0'LT

E. LOCUST ST.

LOCATON UNKNOWN

3#2/1#8 XLPE
CIR.T40C-D

#1038 (R)
TYPE 10 POLE
TYPE 10 BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
S40-2080-02

3#2/1#8 XLPE
CIR.T40C-D

(B) #2875
TYPE 10 SP POLE
TYPE 10 SP BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
S40-2080-01

#2901 (B)
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
STA. 146+45;36.0'LT

LANDSCAPE WALL

100
3" PVC

13"x24"x24"
PULL BOX
STA. 147+82;36.0'LT
121

#2911 (B)
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
STA. 147+92;36.0'LT

#2930
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA. 149+21;0.0'

CW

ASPH.

WAT

TEL

54" W.M.

54" COMB

3.0" PVC
SCH.80 102

3#2/1#8 XLPE
CIR.T47N-D

3#2/1#8 XLPE
CIR.T47N-D

DETAIL B

100
3" PVC
2' BACK OF CURB

NOS

DETAIL B

100
3" PVC
2' BACK OF CURB

145 146 147 148 149

WEP

CUC

RAMP

(R) #2876
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
STA. 145+22;33.0'RT

BUS SHELTER

WEPCO WP
#1100
2LED2 UPGRADE
BY CONTRACTOR

3#2/1#8 XLPE
CIR.T47N-D

#2902 (R)
TYPE 10 SP POLE
TYPE 10 SP BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
S40-2080-03

3#2/1#8 XLPE
CIR.T47N-D

102
13"x24"x24"
PULL BOX
STA. 147+82;5.0'RT

121
13"x24"x24"
PULL BOX
STA.147+82;34.0'RT

#2912
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
STA. 147+92;34.0'RT

(R) #1101
TYPE 10 POLE
TYPE 10 BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
S40-2080-04

100
3" PVC

LOCATON UNKNOWN

#1111
LIGHT POLE

13"x24"x24"
PULL BOX 112
STA. 145+52;
130.0'RT

ASPH. ON CONC.

100
3" PVC
WEPCO WP
#1110
2LED2

112 13"x24"x24"
PULL BOX
STA. 144+18;
127.0'RT

100 3" PVC
CAP AT PAV. LIMIT
STA. 144+52;224.0'RT

100 3" PVC
CAP AT PAV. LIMIT
STA. 146+18;224.0'RT

CUC
NOS

N. HUMBOLDT BLVD.

SCALE, FEET 0 30

SHEET 10 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	199	E

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

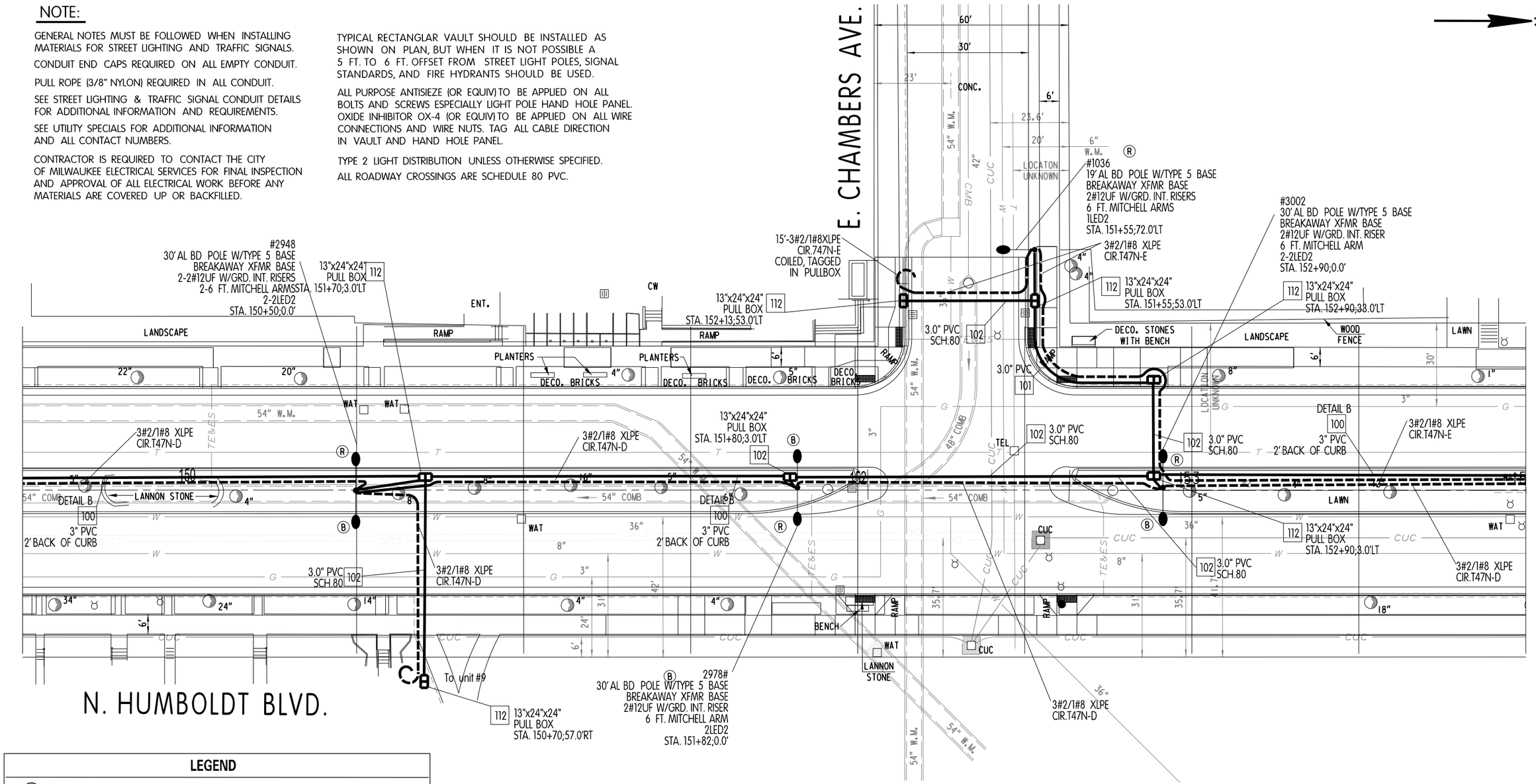
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TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.



LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH
  - 2- CONTRACTOR SUPPLIED ARMS
  - 2- LED LUMINAIRES
  - 2- 2#12UF W/GND RISER CABLES
  - 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- Ⓑ Ⓡ - RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

SCALE, FEET 0 30

SHEET 11 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	200	E

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

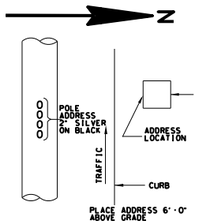
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TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.



CONTRACTOR FURNISHED AND INSTALLED

#3018
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA. 154+5;0.0'

#3034
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA.155+20;0.0'

112 13"x24"x24" PULL BOX
STA. 155+22;0.0'

112 13"x24"x24" PULL BOX
STA. 155+90;0.0'

#3046
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA. 156+5;0.0'

112 13"x24"x24" PULL BOX
STA. 157+32;34.0'LT

3#2/1#8 XLPE CIR.T47N-E

3#2/1#8 XLPE CIR.T47N-D

3#2/1#8 XLPE CIR.T47N-C

102 3.0" PVC SCH.80

100 3" PVC 2' BACK OF CURB

101 3.0" PVC

3" PVC CAP AT PAV. LIM.

#1101
19' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISERS
6 FT. MITCHELL ARMS
1LED2
STA. 155+35;60.0'RT

102 13"x24"x24" PULL BOX
STA.155+20;33.0'RT

102 13"x24"x24" PULL BOX
STA. 155+36;62.0'RT

112 13"x24"x24" PULL BOX
STA. 155+92;23.0'RT

112 13"x24"x24" PULL BOX
STA. 155+72;62.0'RT

#3060
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
STA. 157+32;3.0'RT

112 13"x24"x24" PULL BOX
STA. 157+32;3.0'LT

3#2/1#8 XLPE CIR.T47N-E

100 3" PVC

102 3.0" PVC SCH.80

E. CHAMBERS AVE.

N. HUMBOLDT BLVD.

SCALE, FEET 0 30

SHEET 12 OF 19

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- (B) (R) - RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	201	E

FILE NAME : W:\bes\pavings\2022\nHumboldt Blvd – North to Keefe (2667–03–01)\SL Conduit\SL Humboldt 90.dgn PLOT DATE : 28–OCT–2021 08:12 PLOT BY : lhickm PLOT NAME : PLOT SCALE : 1:30

WISDOT/CADDS SHEET 42

E. BURLEIGH ST.

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

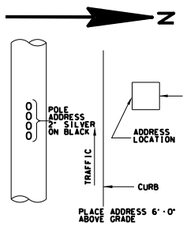
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TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.



CONTRACTOR FURNISHED AND INSTALLED

#3079
TYPE 10 SP BASE
TYPE 10 SP POLE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
S40-2082-01

#1036 (B)
19' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISERS
6 FT. MITCHELL ARMS
1LED2
STA. 159+22;65.0'LT

#3101 (R)
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
STA. 159+30;35.0'LT

#3122
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
STA. 160+70;3'RT

#3136
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA. 162+30,0.0'

112 13"x24"x24" PULL BOX
STA. 161+14;33.0'LT

3#2/1#8 XLPE CIR.T47N-E

4" PINE

STONE

100 3" PVC

102 3.0" PVC SCH.80

3#2/1#8 XLPE CIR.T47N-D

DETAIL B

2' BACK OF CURB

112 13"x24"x24" PULL BOX
STA.160+14;3.0'LT

112 13"x24"x24" PULL BOX
STA. 160+14;33.0'RT

#3100
TYPE 10 SP POLE
TYPE 10 SP BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
S40-2081-02

3#2/1#8 XLPE CIR.T47N-C

#3078 (R)
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISER
6 FT. MITCHELL ARM
2LED2
STA. 158+60;36.0'RT

#1101 (B)
19' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2#12UF W/GRD. INT. RISERS
6 FT. MITCHELL ARMS
1LED2
STA. 158+76;73.0'RT

3" PVC

LOOP DETECTOR

SEC LINE

LOCATON UNKNOWN

ASPH.

ASPH. ON CONC.

WEP

WAT

TEL

MON.

RAMP

CUC

CMB

TE&ES

G

T

W

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- (B) (R) - RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

N. HUMBOLDT BLVD.

SCALE, FEET 0 30

SHEET 13 OF 19

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	202	E

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

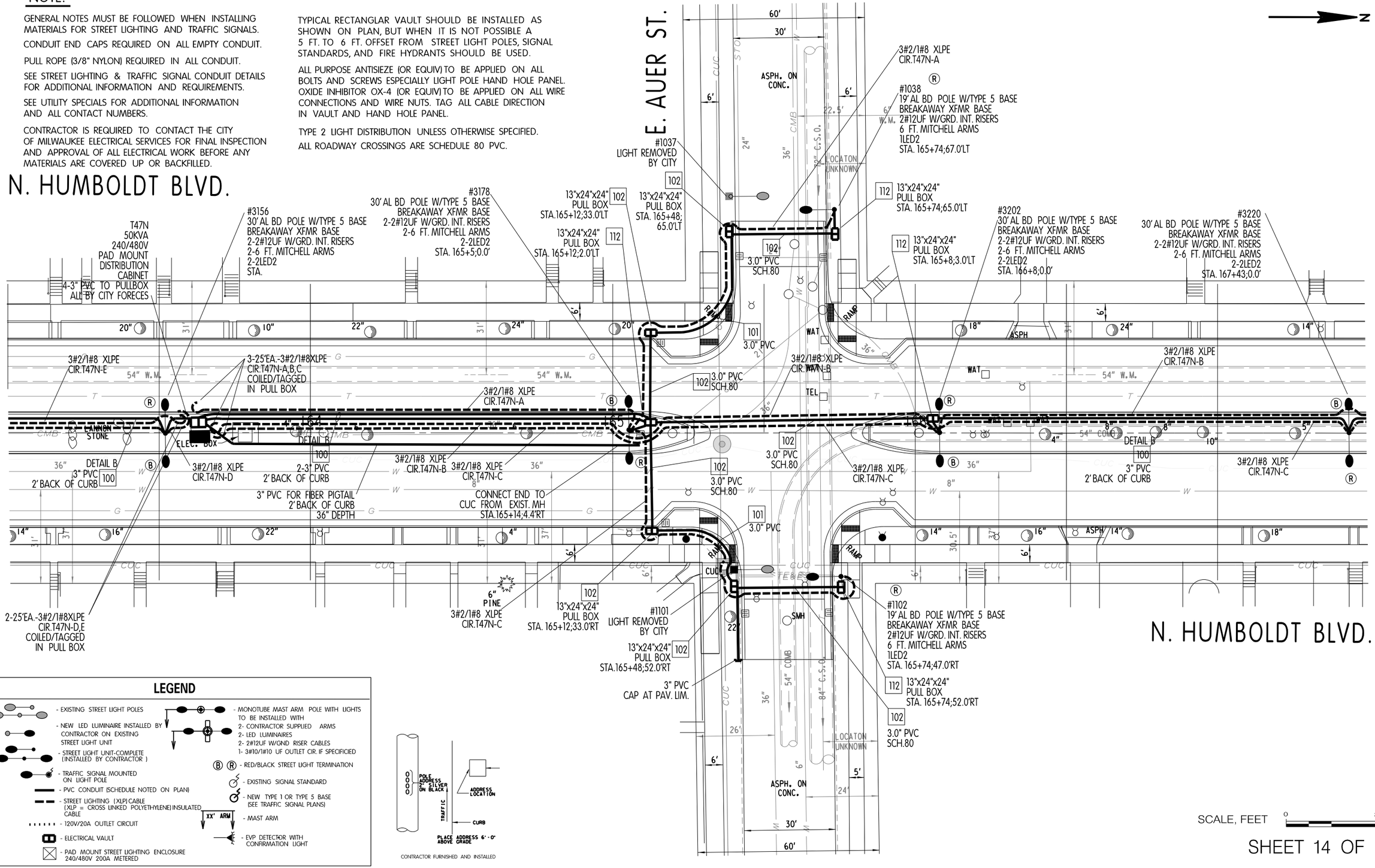
CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

TYPICAL RECTANGLAR VAULT SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.



LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- (B) (R) - RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

CONTRACTOR FURNISHED AND INSTALLED

SCALE, FEET 0 30

SHEET 14 OF 19

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	203	E

2

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

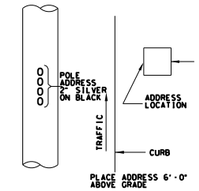
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ALL PURPOSE ANTISIEZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTIONS AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

N

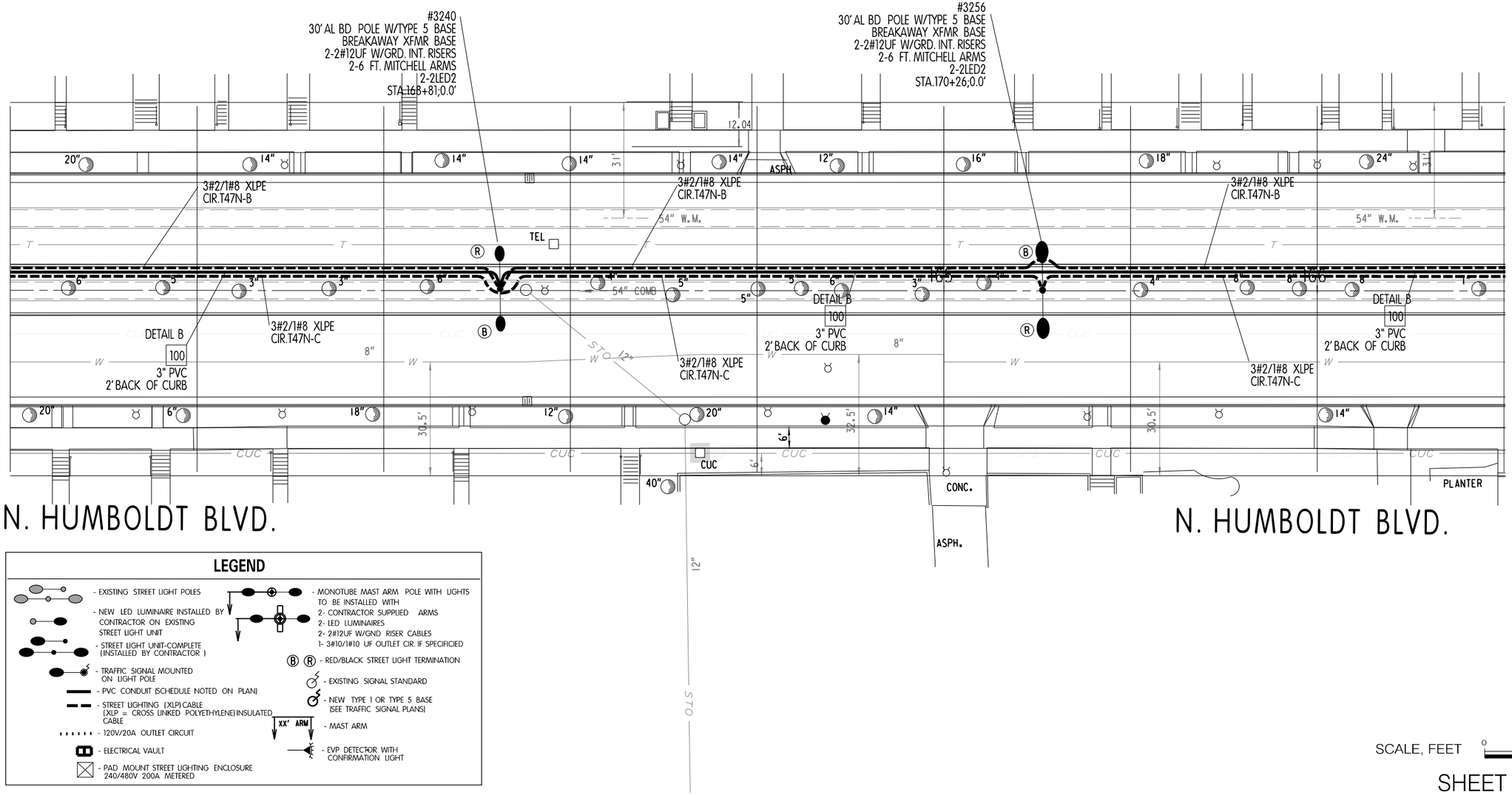


CONTRACTOR FURNISHED AND INSTALLED

2

#3240
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA.168+81;0.0'

#3256
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA.170+26;0.0'



N. HUMBOLDT BLVD.

N. HUMBOLDT BLVD.

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- Ⓑ Ⓡ - RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

SCALE, FEET 0 30

SHEET 15 OF 19

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	204	E

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

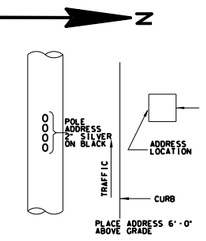
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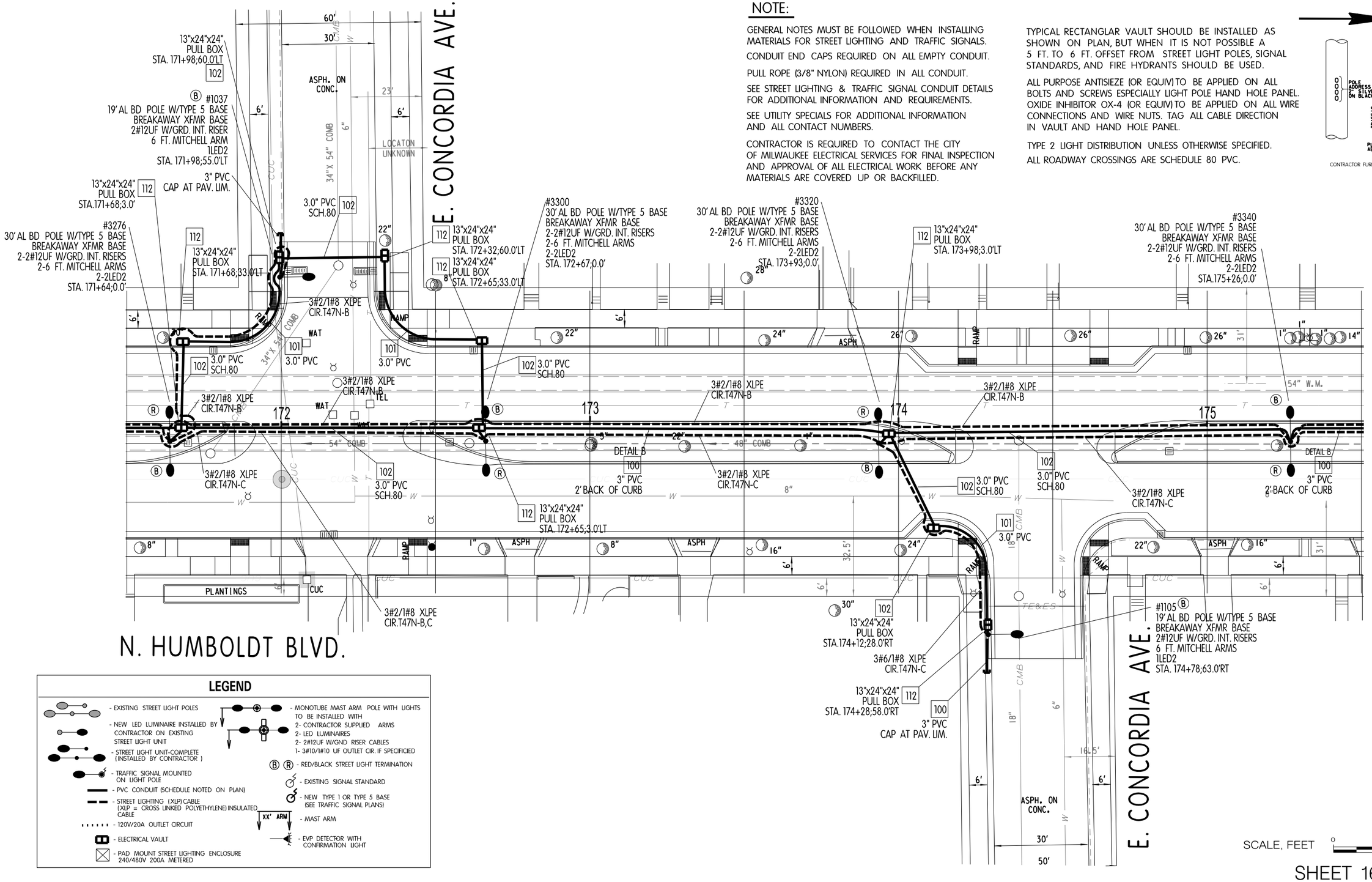
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TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.



CONTRACTOR FURNISHED AND INSTALLED



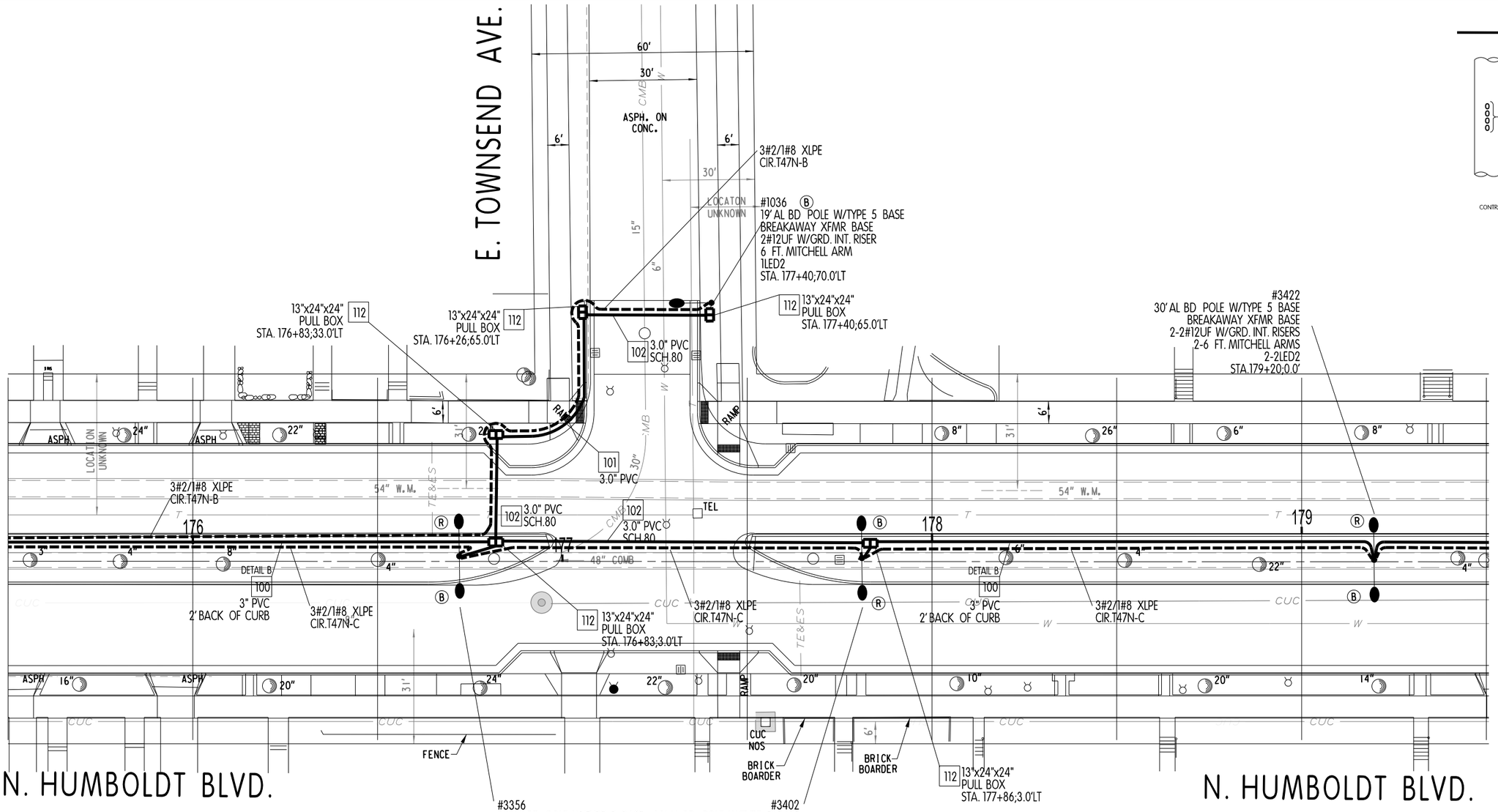
LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
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- B R - RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

SCALE, FEET 0 30

SHEET 16 OF 19

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	205	E



LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS, 2- LED LUMINAIRES, 2- 2#12UF W/GND RISER CABLES, 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- (B) (R) RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM - MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

SEE STREET LIGHTING & TRAFFIC SIGNAL CONDUIT DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

SEE UTILITY SPECIALS FOR ADDITIONAL INFORMATION AND ALL CONTACT NUMBERS.

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TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.

SCALE, FEET 0 30

SHEET 17 OF 19

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	206	E

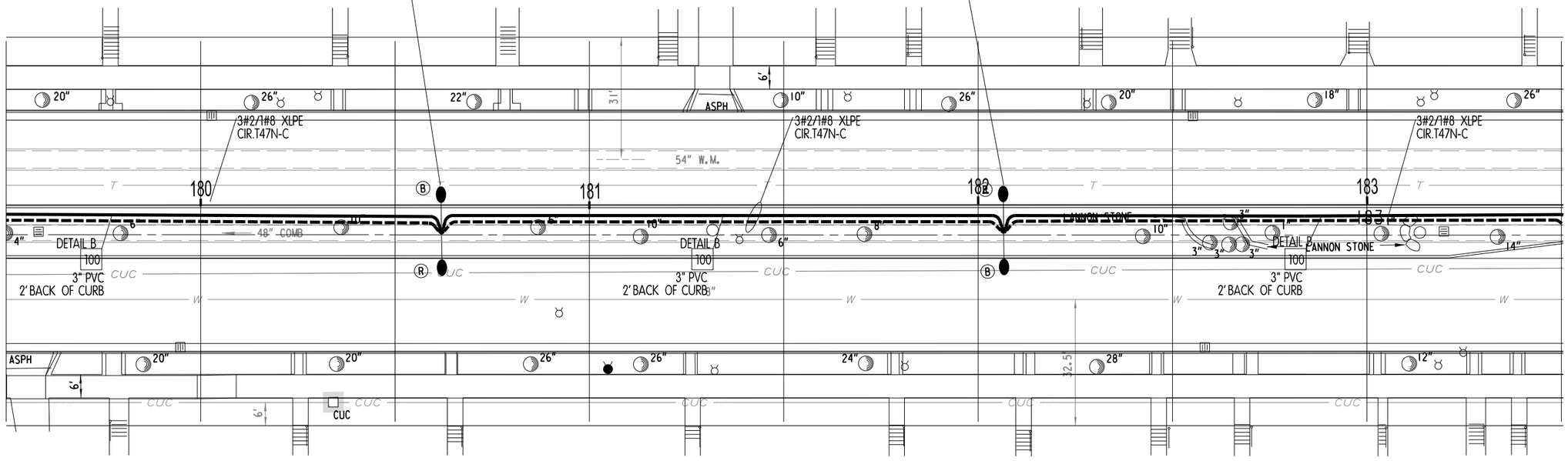
2

N

#3436
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA.180+62;0.0'

#3460
30' AL BD POLE W/TYPE 5 BASE
BREAKAWAY XFMR BASE
2-2#12UF W/GRD. INT. RISERS
2-6 FT. MITCHELL ARMS
2-2LED2
STA. 182+7;0.0'

N. HUMBOLDT BLVD.



N. HUMBOLDT BLVD.

LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
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- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM — MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

NOTE:

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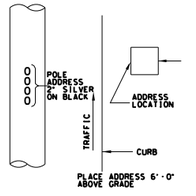
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TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.



CONTRACTOR FURNISHED AND INSTALLED

SCALE, FEET 0 30

SHEET 18 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	207	E

FILE NAME : W:\bes\pavings\2022\nHumboldt Blvd – North to Keefe (2667–03–01)\SL Conduit\SL Humboldt 90.dgn PLOT DATE : 28–OCT–2021 08:21 PLOT BY : lnickm PLOT NAME : PLOT SCALE : 1:30

WISDOT/CADDS SHEET 42

NOTE:

GENERAL NOTES MUST BE FOLLOWED WHEN INSTALLING MATERIALS FOR STREET LIGHTING AND TRAFFIC SIGNALS.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

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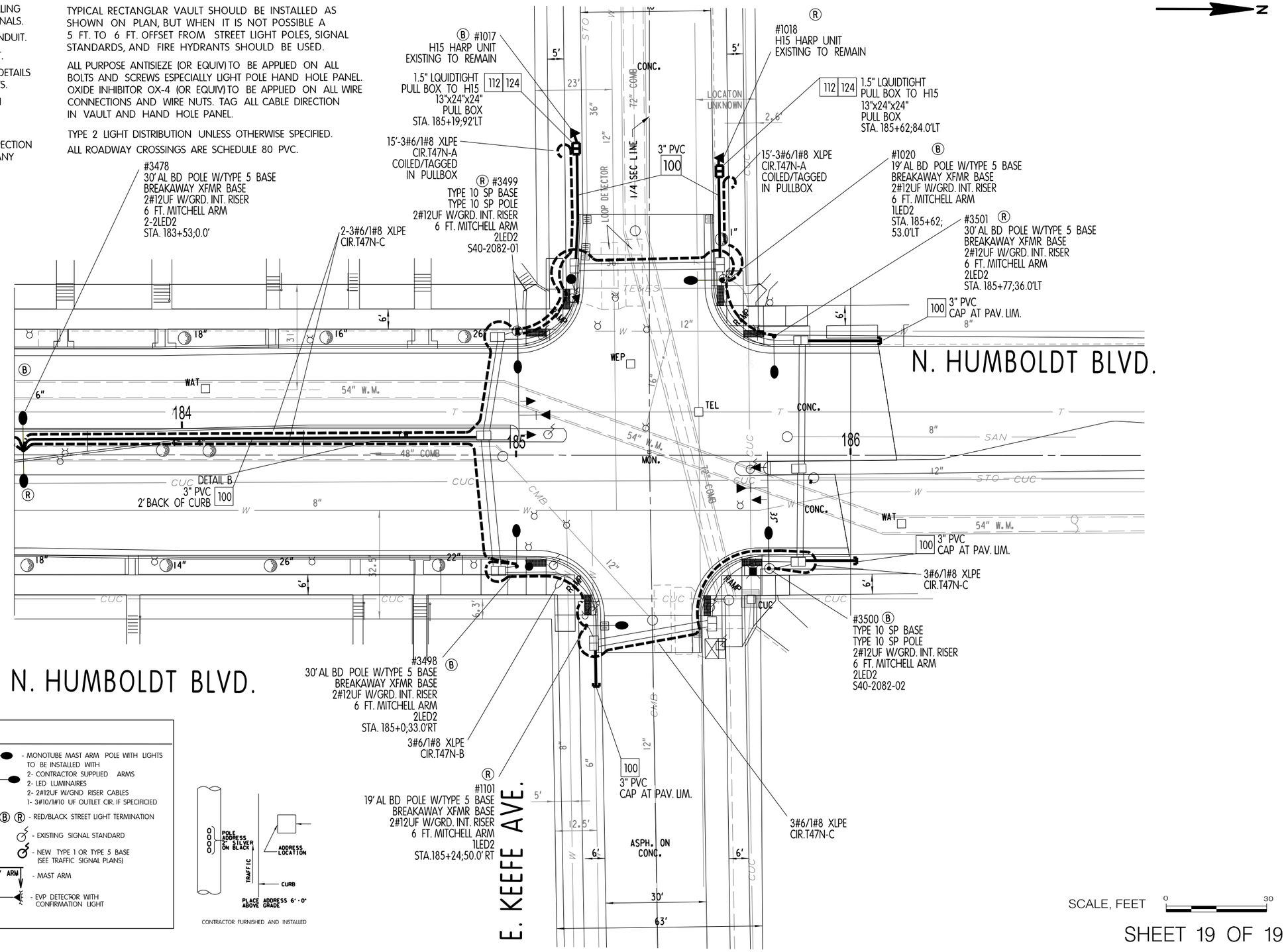
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TYPE 2 LIGHT DISTRIBUTION UNLESS OTHERWISE SPECIFIED.

ALL ROADWAY CROSSINGS ARE SCHEDULE 80 PVC.



LEGEND

- EXISTING STREET LIGHT POLES
- NEW LED LUMINAIRE INSTALLED BY CONTRACTOR ON EXISTING STREET LIGHT UNIT
- STREET LIGHT UNIT-COMPLETE (INSTALLED BY CONTRACTOR)
- TRAFFIC SIGNAL MOUNTED ON LIGHT POLE
- PVC CONDUIT (SCHEDULE NOTED ON PLAN)
- STREET LIGHTING (XLP) CABLE (XLP = CROSS LINKED POLYETHYLENE) INSULATED CABLE
- 120V/20A OUTLET CIRCUIT
- ELECTRICAL VAULT
- PAD MOUNT STREET LIGHTING ENCLOSURE 240/480V 200A METERED
- MONOTUBE MAST ARM POLE WITH LIGHTS TO BE INSTALLED WITH 2- CONTRACTOR SUPPLIED ARMS 2- LED LUMINAIRES 2- 2#12UF W/GND RISER CABLES 1- 3#10/1#10 UF OUTLET CIR. IF SPECIFICIED
- Ⓑ Ⓡ RED/BLACK STREET LIGHT TERMINATION
- EXISTING SIGNAL STANDARD
- NEW TYPE 1 OR TYPE 5 BASE (SEE TRAFFIC SIGNAL PLANS)
- XX' ARM — MAST ARM
- EVP DETECTOR WITH CONFIRMATION LIGHT

CONTRACTOR FURNISHED AND INSTALLED

SCALE, FEET 0 30

SHEET 19 OF 19

PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD	COUNTY: MILWAUKEE	STREET LIGHTING PLAN	208	E

FILE NAME : W:\bes\pavings\2022\nHumboldt Blvd – North to Keefe (2667–03–01)\SL Conduit\SL Humboldt 90.dgn PLOT DATE : 28–OCT–2021 08:22 PLOT BY : lhickm PLOT NAME : PLOT SCALE : 1:30

WISDOT/CADDS SHEET 42

2

TRAFFIC & STREET LIGHTING GENERAL NOTES:

PRIOR TO CONSTRUCTION, THE LOCATION OF UNDERGROUND UTILITIES SHALL BE DETERMINED IN THE FIELD BY CONTACTING "DIGGERS HOTLINE."

STREET LIGHTING & TRAFFIC SIGNALS SHALL BE INSTALLED IN COMPLIANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 652 EXCEPT:

THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCLUDING REPAIRS, REPLACEMENT OR RELOCATION ETC. OF STREET LIGHTING OR TRAFFIC SIGNAL FACILITIES IF THE CONTRACTOR DOES ANY DEVIATION FROM THE STREET LIGHTING OR TRAFFIC SIGNAL DESIGN WITHOUT THE STREET LIGHTING ENGINEERS SIGNED PERMISSION.

1 DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

2 LOCATIONS OF THE PVC CONDUITS WHERE THEY ARE REQUIRED ARE IDENTIFIED IN THE PRINTS. HOWEVER, INSTALLATION MAY REQUIRE INTEGRATION WITH EXISTING FIELD CONDITIONS. APPROPRIATE ADJUSTMENT ON CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. ANY RELOCATIONS MUST BE APPROVED BY THE ENGINEER. FIELD MARK EACH CONDUIT LOCATION BY STAMPING AND PAINTING WITH RED PAINT ON TOP AND BACKSIDE OF CURB.

3 TYPICAL CONDUIT INSTALLED UP TO DIRECT BURIED STREET LIGHT POLES IS AS FOLLOWS 3-INCH OR 2.5-INCH (AS NOTED) SCHEDULE 40 RIGID PVC TO STREET LIGHTING METAL HOUSING (PEDESTAL), THE 1.5-INCH SCHEDULE 40 RIGID PVC TO STREET LIGHT POLE CABLE SLOT, AND THE 2-INCH SCHEDULE 40 RIGID PVC TO SIGNAL STANDARD BASE AND RISER FOR TRAFFIC SIGNAL ON STREET LIGHT POLE.

4 DEPTH OF CONDUIT INSTALLED BELOW THE STREETS, HIGHWAYS, ROADS, AND ALLEYS SHALL BE 24-INCHES MINIMUM AND 36-INCHES MAXIMUM. (MEASURED FROM FINISHED FLANGE LINE)

5 CONDUIT INSTALLED BEHIND CURB, AND UNDER DRIVEWAYS SHALL BE INSTALLED AT A DISTANCE OF 6 INCHES AWAY FROM THE BACK OF CURB TO THE CENTER LINE OF CONDUIT, AND 18 INCHES DOWN MEASURED FROM THE TOP OF CURB OR FINISHED GRADE TO THE TOP OF CONDUIT.

6 WHEN THERE IS MORE THAN ONE CONDUIT TO BE INSTALLED, PLACE ALL CONDUITS IN THE SAME TRENCH.

7 ANY EXCEPTION TO THE MINIMUM OR MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

8 THE CONTRACTOR OR HIS SUBCONTRACTOR MUST MAKE SURE THE AREA BEHIND CURB AND/OR TRENCH SHALL BE FREE OF DEBRIS AND OVERPOUR AND SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

9 BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

10 ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS. (SEE NEC 352.28 2008 CODE)

11 PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED IMMEDIATELY AFTER INSTALLATION WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT, BUT EASILY REMOVED IN THE FUTURE. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

12 ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

13 CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX OR JUNCTION BOX OR BASE TO BASE, ETC.).

14 PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUIT.

15 ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS UNLESS OTHERWISE APPROVED BY THE STREET LIGHTING ENGINEER.

16 WHEN ENDS OF CONDUIT DO NOT CONNECT TO A PULL BOX / VAULT AND WILL END UP UNDER CONCRETE WALK. THE CONTRACTOR IS REQUIRED TO LEAVE A 24" X 24" BOX FORM CENTERED OVER THE END OF CONDUIT AND FILL THE BOXFORM WITH CRUSHED GRAVEL. (PER WISDOT SPEC 209.2.1(1) GRANULAR BACKFILL)

17 ALL PIPE CROSSINGS AND PULL BOXES / VAULTS SHALL BE AT LEAST SIX (6) FEET AWAY FROM FIRE HYDRANTS, UNLESS NOTED OTHERWISE, OR APPROVED BY THE STREET LIGHTING ENGINEER.

18 ALL POLES AND TRAFFIC STANDARDS IN CONCRETE ARE REQUIRED TO HAVE A 30"X30" BOX SHAPED JOINT PLACED AROUND THEM USING AN EXPANSION JOINT FILLER. UNLESS NOTED OTHERWISE (SEE DETAIL 122)

19 TYPICAL RECTANGULAR PULL BOXES / VAULTS SHOULD BE INSTALLED AS SHOWN ON PLANS, BUT WHEN IT IS NOT POSSIBLE, A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS AND FIRE HYDRANTS SHOULD BE USED, OTHERWISE APPROVED BY THE STREET LIGHTING ENGINEER.

20 LIGHT POLES AND TRAFFIC STANDARDS INSTALLED BEHIND THE CURB MUST MEET A MINIMUM DISTANCE OF 24 INCHES FROM THE FACE OF CURB TO THE CURB SIDE FACE OF THE POLE OR TRAFFIC STANDARD.

21 COORDINATE NEW CONDUIT CONNECTIONS WITH EXISTING CONDUIT, DUCT PACKAGES, AND PULL BOXES/ VAULTS/ MANHOLES WITH CITY OF MILWAUKEE STREET LIGHTING. THE CITY REQUIRES THREE WORKING DAYS ADVANCED NOTICE. CONTACT ELECTRICAL SUPERVISOR
STREET LIGHTING - MARK MACRAE (OFFICE) 414-286-5928 (CELL) 414-708-0434
TRAFFIC SIGNALS - RUDY GUTIERREZ (OFFICE) 414-286-3687 (CELL) 414-708-5148 OR DISPATCHER @ 414-286-3687

22 IMMEDIATELY AFTER THE CONTRACTOR HAS COMPLETED ALL THE ELECTRICAL PULL BOXES / VAULTS, CONDUIT AND CONDUIT CONNECTIONS, AND JUST BEFORE ELECTRICAL WORK IS COVERED UP WITH CONRETE, SOIL, OR ETC. THE CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SHOP SUPERVISORS FOR FINAL INSPECTION AND APPROVAL OF ALL WORK.
STREET LIGHTING - NEAL KARWEIK (OFFICE) 414-286-5943 (CELL) 414-708-4245
STREET LIGHTING - MARK MACRAE (OFFICE) 414-286-5928 (CELL) 414-708-0434
STREET LIGHTING - DISPATCHER @ 414-286-3015
TRAFFIC SIGNALS - RUDY GUTIERREZ (OFFICE) 414-286-5941 (CELL) 414-708-5148
TRAFFIC SIGNALS - DISPATCHER @ 414-286-3687

23 CONDUIT WILL ONLY BE INSTALLED AFTER THE CURB IS POURED, UNLESS APPROVED BY BOTH THE ENGINEER & STREET LIGHTING SHOP SUPERVISOR.

24 CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

25 CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE ELECTRICAL SERVICES FOR FINAL INSPECTION AND APPROVAL OF ALL ELECTRICAL WORK BEFORE ANY MATERIALS ARE COVERED UP OR BACKFILLED.

26 ALL PURPOSE ANTISEIZE (OR EQUIV) TO BE APPLIED ON ALL BOLTS AND SCREWS ESPECIALLY THE LIGHT POLE HAND HOLE PANEL. OXIDE INHIBITOR OX-4 (OR EQUIV) TO BE APPLIED ON ALL WIRE CONNECTION AND WIRE NUTS. TAG ALL CABLE DIRECTION IN VAULT AND HAND HOLE PANEL.

27 Provide three sets as-built drawings detailing the final placement of conduit, cabling, equipment, and geometric modifications under the contract. Provide PDF copy conforming to CMM 1-65.14, or record all changes in Red ink Only on the As-Let (Design) paper drawings. The City will reject as-builts with incomplete or incorrect content or not conforming to CMM standards.

28 RETURN ALL REMOVED STREET LIGHTING FIXTURES TO STREET LIGHTING FIELD OFFICE
(ATTN: MIKE GUERRERO)
1540 W. CANAL ST. MILWAUKEE WI 53233

UTILITY LINE CODE

SAN	SANITARY SEWER
STO	STORM SEWER
W	WATER
G	GAS
G	PROPOSED GAS
E	ELECTRIC
TE&ES	TRAFFIC & STREET LIGHTING
	OLD CITY UNDERGROUND CONDUIT
CUC	PROPOSED CITY UNDERGROUND CONDUIT
T	TELEPHONE
TV	CABLE

2

TRAFFIC & STREET LIGHTING GENERAL NOTES:

As-Built Guidelines:

Provide as-built drawings detailing the final placement of conduit, cabling, equipment, and geometric modifications under the contract. Provide PDF copy conforming to CMM 1-65.14, or record all changes in Red ink Only on the As-Let (Design) paper drawings. The engineer will reject as-builts with incomplete or incorrect content or not conforming to CMM standards.

It is critical that the Contractor work on the As-Built drawings while the job is progressing, so changes are documented while they are still fresh in your mind.

If there is a structure drawing, include all structures drawing sheets. It is the responsibility of the Contractor to insert any addendum or replacement drawing sheets. To do this, renumber them similarly to the original drawing sheet.

For example, "Revised Sheet 5" would replace sheet 5. However all original sheets shall remain in the As-Built. If the sheet has been replaced cross it out with an x and indicate the number of its replacement sheet. If additional sheets were added insert them in the logical location and label them with the previous sheet number followed by an "A","B","C", etc.

Note the sheet changes on the title sheet under the ORDER OF SHEETS.

The title sheet of the As-Built drawing should include the following info:

AS-BUILT DRAWING
SUPERVISER:
PROJECT MANAGER:
CONTRACTOR LEADER:
CONTRACTOR COMPANY:
WORK STARTED:
WORK COMPLETED:

Line out or cross out all changed information and write-in the corrected information above the original or close to it where ever possible. Use blank spaces on the drawing so notes are not superimposed. Drawings with excessive detail may require an alternate approach. Numbered changes or additions may-be shown on supplemental non-drawing sheets.

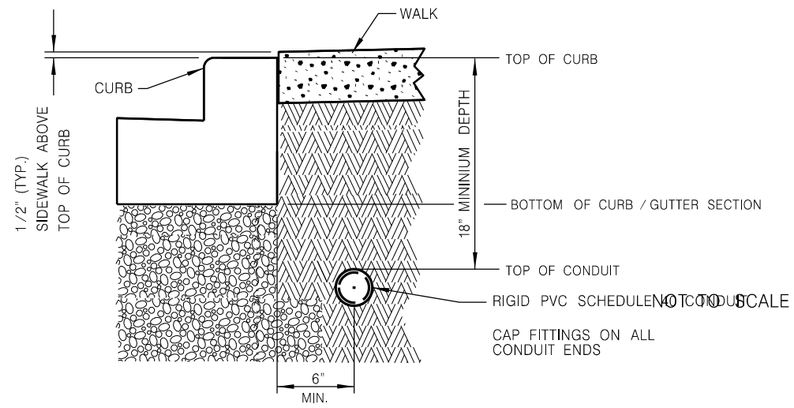
< Locate and clearly label all conduit runs, fittings, splice vaults, pull boxes, meter pedestals, concrete bases, transformers, poles and other appurtenances in two directions. Swing ties should be made from objects that are permanent in nature and visible on the finished surface.
< Street names shall be on all sheets.
< Show all sizes and material types of pipes and conduits, if changed or modified from original design.
< All horizontal distances shall be shown to the nearest tenth of a foot (i.e., 205.3'). All vertical distances shall be shown to the nearest inch (i.e., 24").
< Show location and elevations on pipes and fittings where changes or deflections in direction occur.
< Special detail drawings may be required where installations are not shown on approved construction drawings for whatever reason or where required for clarity.
< Typical service installation details with deviations from original plans or standard details shall be noted on as-built drawings.
< No arbitrary mark-ups will be permitted.

If there are no corrections or additions to the As-Let plan(s) put "NO CHANGE" on the sheet with other required As-Built information.

Send to:
City of Milwaukee
Infrastructure Services Division
Transportation Section
Street Lighting & CUC Engineering Manager
841 N. Broadway (Room 920)
Milwaukee, WI. 53202

2

NOTE: 1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.
2.) CONDUIT TO BE PLACED 6 INCHES ON CENTER DIRECTLY BEHIND CURB, UNLESS NOTED OR APPROVED BY ENGINEER.



100 DETAIL "A" — NOT TO SCALE

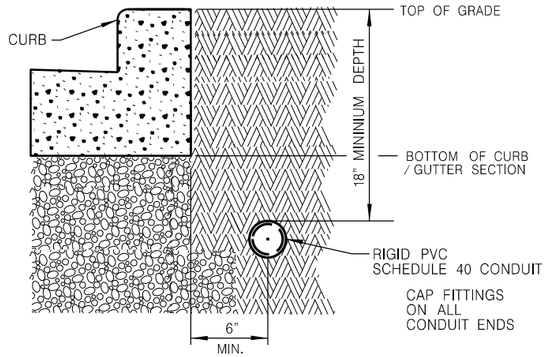
TYPICAL CONDUIT INSTALLATION BEHIND CURB

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

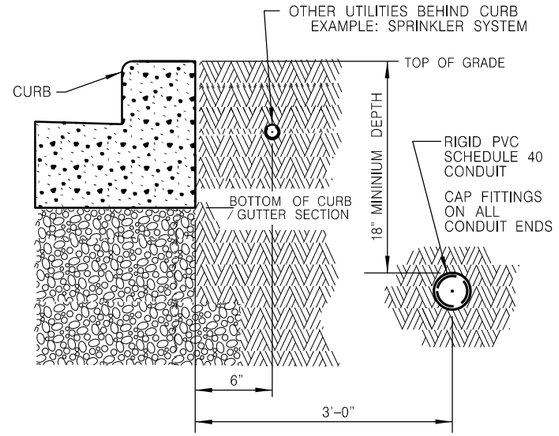
NOTE: 1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.

DETAIL "B"

CONDUIT TO BE PLACED 6" ON CENTER DIRECTLY BEHIND CURB, UNLESS NOTED OR APPROVED BY ENGINEER.



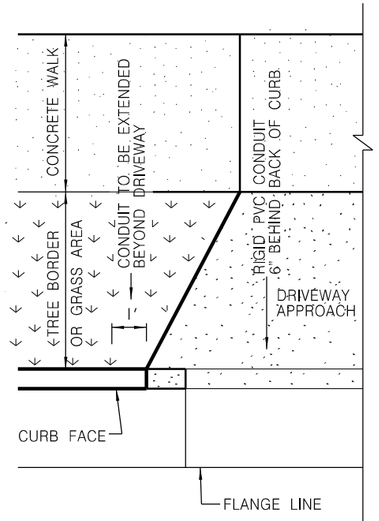
DETAIL "C"



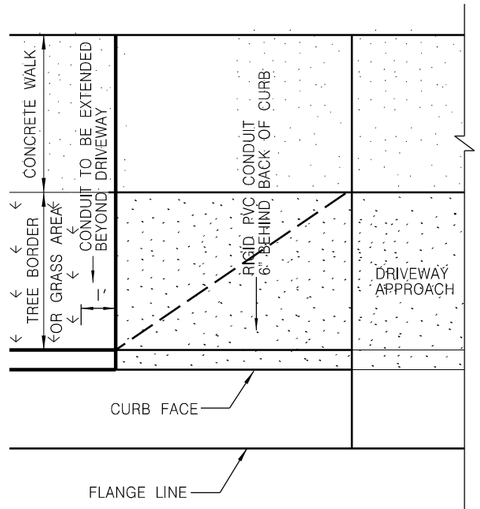
100 DETAIL "B" & "C" — NOT TO SCALE

TYPICAL CONDUIT INSTALLATION BEHIND CURB

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

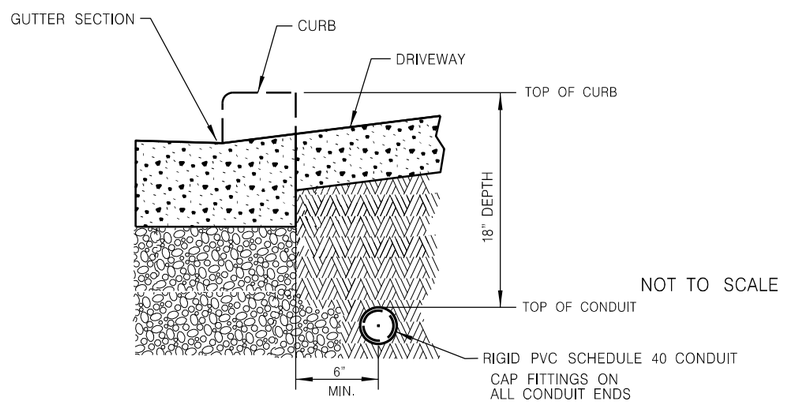


TYPICAL PLAN VIEW FOR FLARED DRIVEWAY



TYPICAL PLAN VIEW FOR DEPRESSED DRIVEWAY

NOTE: 1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.
2.) CONDUIT TO BE PLACED 6 INCHES ON CENTER DIRECTLY BEHIND CURB, UNLESS NOTED OR APPROVED BY ENGINEER.



NOT TO SCALE

101 DETAIL

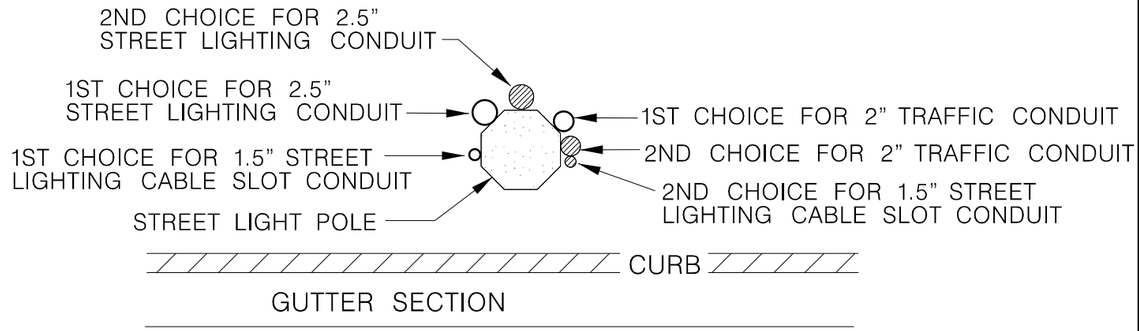
TYPICAL CONDUIT INSTALLATION UNDER DRIVEWAYS OR PEDESTRIAN RAMPS

NOT TO SCALE

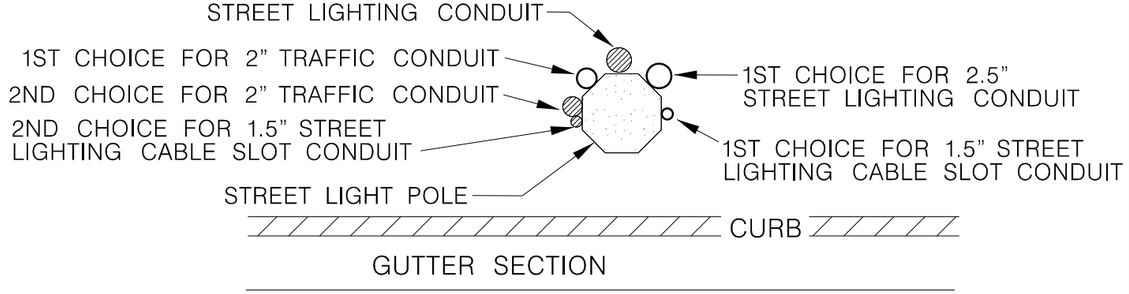
ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

2

NOTE: CAP FITTINGS ON CONDUIT ENDS



DIRECTION OF TRAFFIC AT CURB



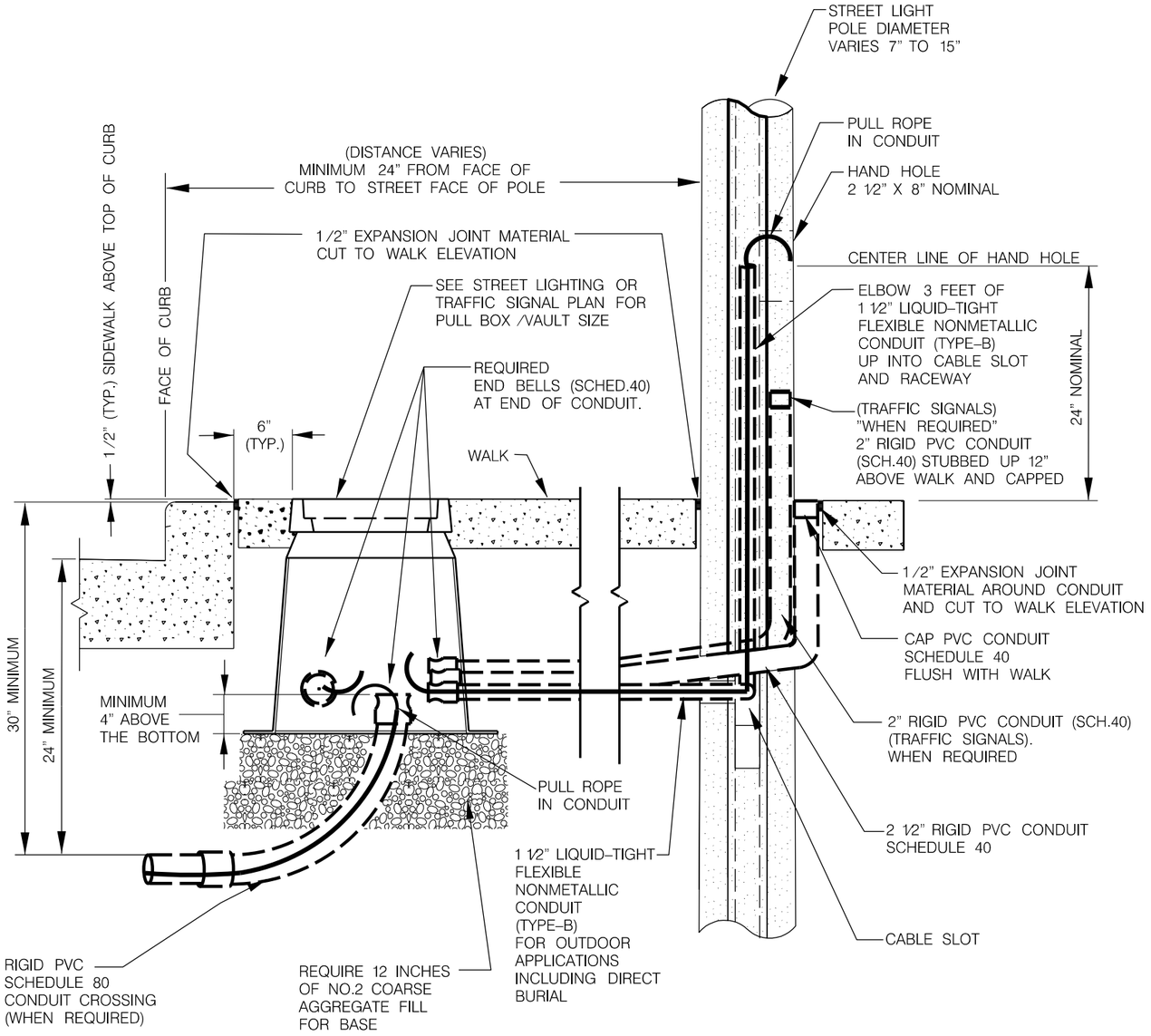
DIRECTION OF TRAFFIC AT CURB

104 DETAIL

TYPICAL TRAFFIC SIGNAL RISER AND STREET LIGHTING CONDUIT LOCATIONS ON LIGHT POLES DEPENDING ON DIRECTION OF TRAFFIC AT CURB

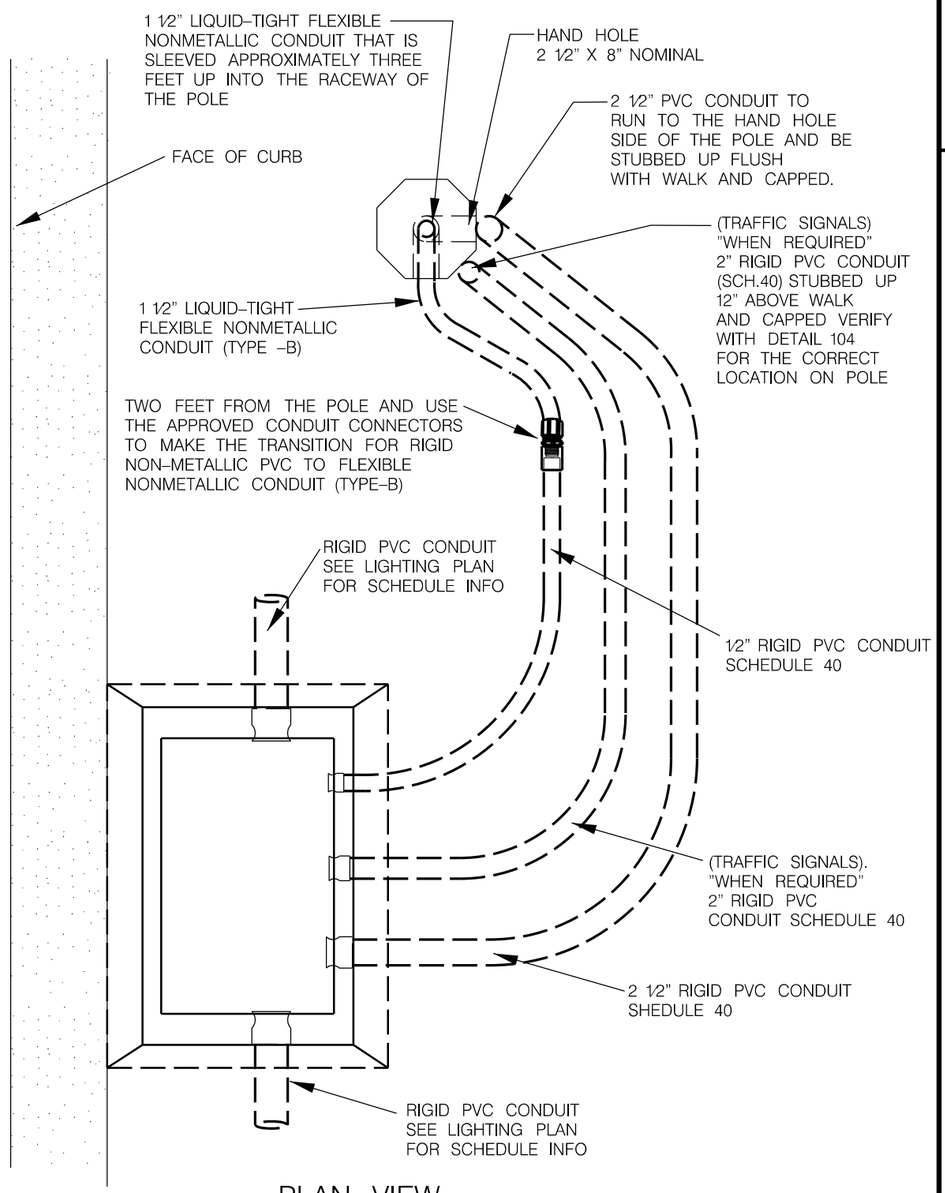
NOT TO SCALE

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM TRAFFIC / STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.



SECTION VIEW

NOT TO SCALE



PLAN VIEW

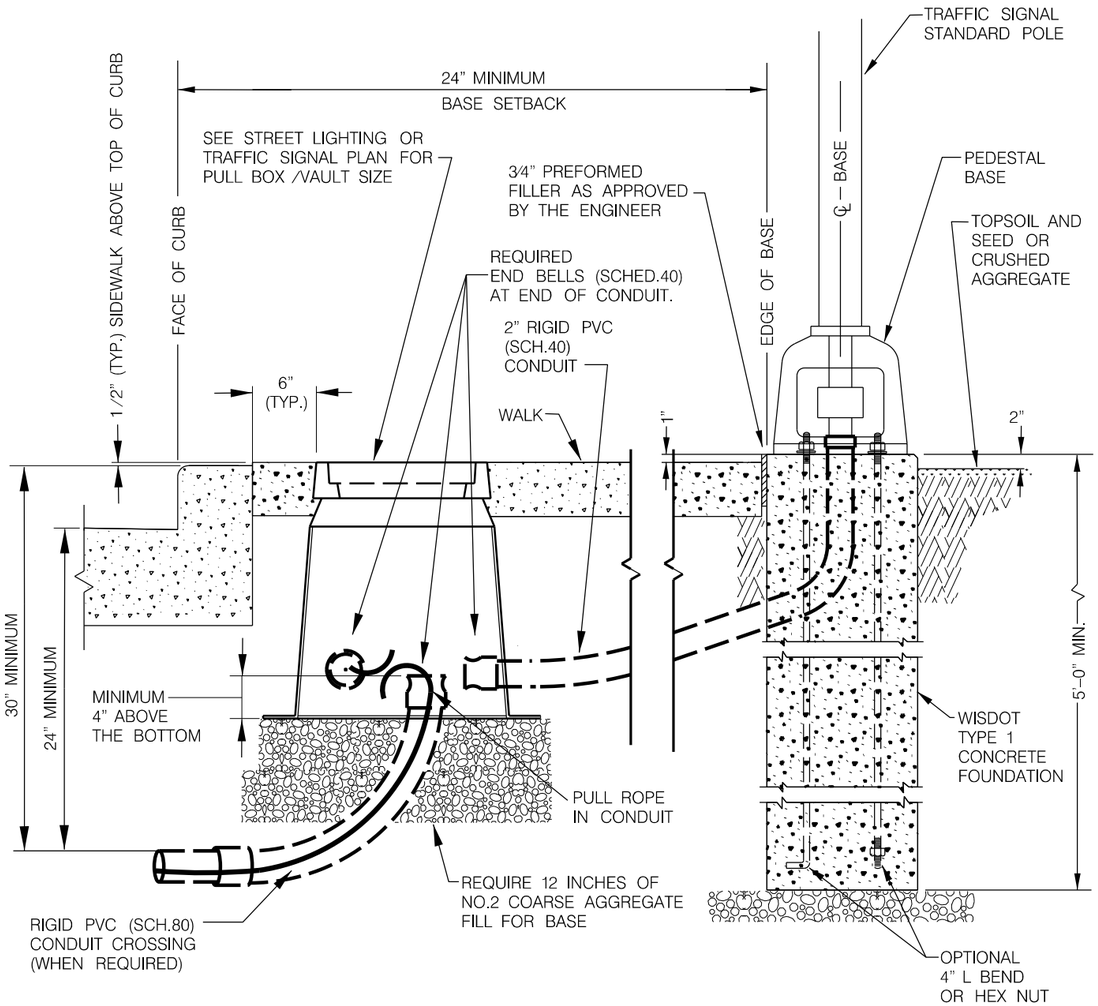
NOT TO SCALE

108A DETAIL VERSION

TYPICAL CONDUIT INSTALLATION FROM PULL BOX / VAULT TO POLE

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES. CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

NOT TO SCALE

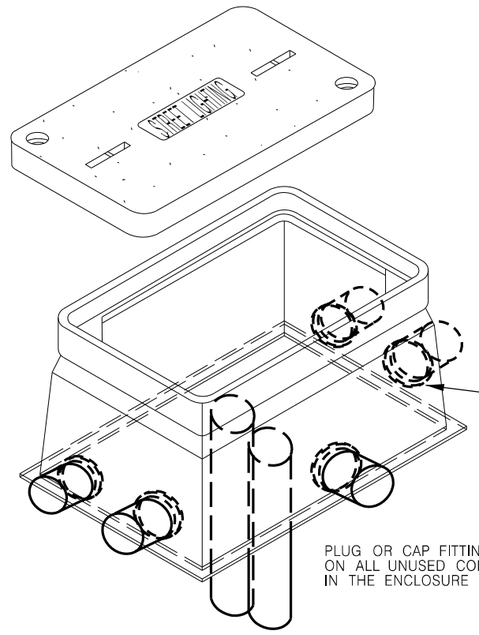


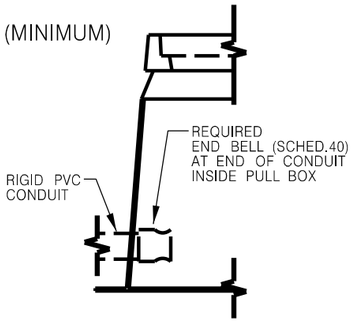
109 DETAIL

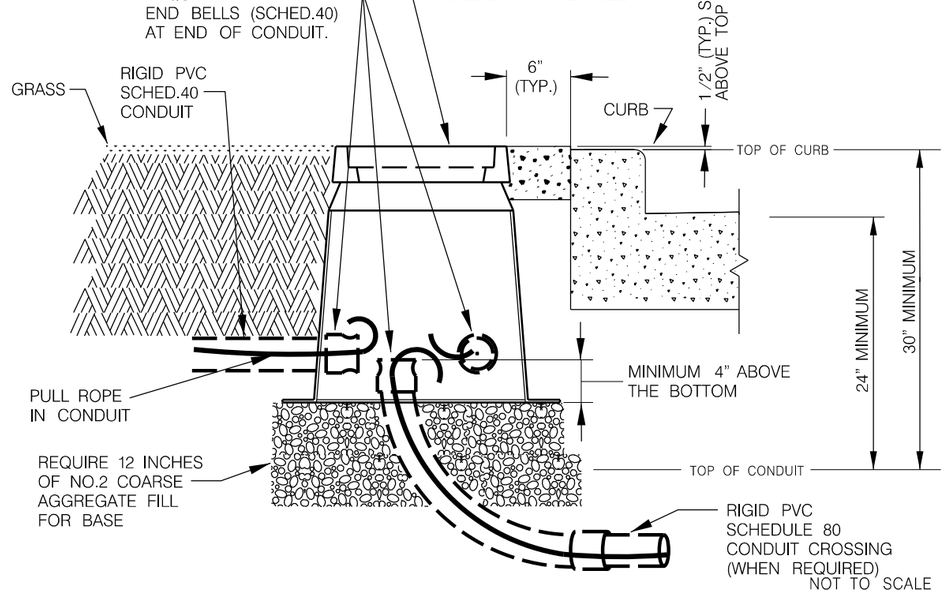
TYPICAL CONDUIT INSTALLATION FROM PULL BOX /VAULT TO SIGNAL STANDARD AND TYPICAL BASE INSTALLATION

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

NOT TO SCALE







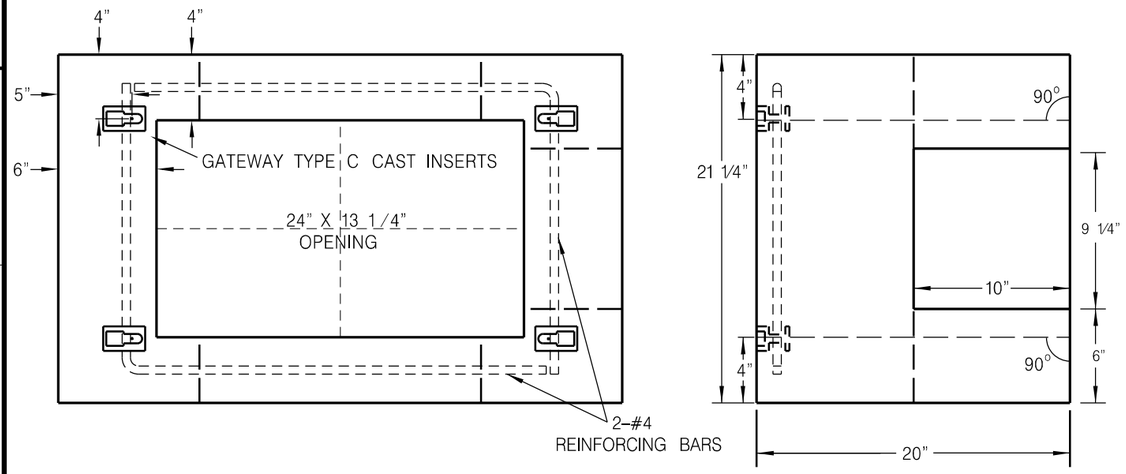
NOT TO SCALE

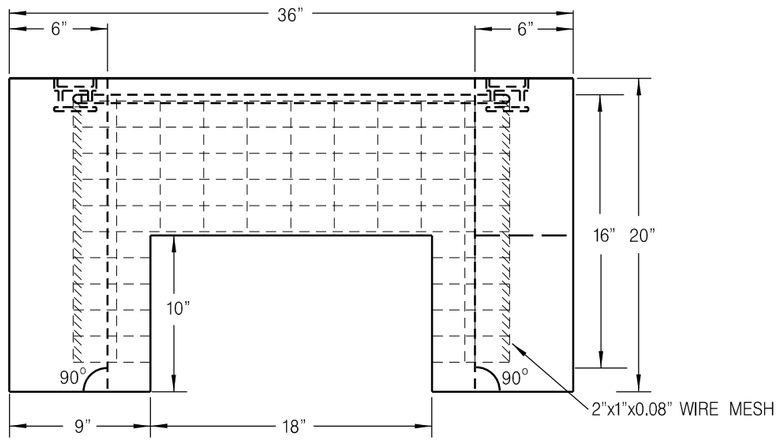
112 DETAIL

TYPICAL PULL BOX /VAULT INSTALLATION IN EITHER PAVEMENT OR GRASS AREAS

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

NOT TO SCALE





NOT TO SCALE

6 BAG MIX #1 STONE

COMM. CODE XXXX-XXX				
PRE-CAST CONCRETE FOUNDATION				
TRAFFIC SIGNAL CABINETS P1 AND P2				
TRAFFIC ENGINEERING AND ELECTRICAL SERVICES D.P.W. CITY OF MILWAUKEE				
TRAFFIC CONTROL MATERIAL				
DATE 8-30-16	SCALE N.T.S.	DRAWN JAR/JO	CHECKED SCB	APPROVED JCB
SUPERSEDES	REVISED DATE	DRG.		
SUPERSEDED BY	NEW DRG.	C-16-500-T		

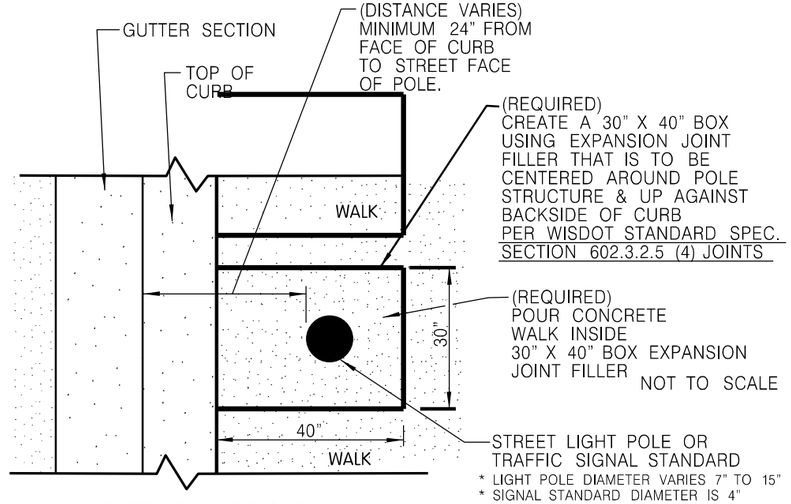
125 DETAIL

TYPICAL TRAFFIC CONTROL CABINET CONCRETE FOUNDATION

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM TRAFFIC SIGNAL FORCES.
CONTACT DISPATCHER AT (414) 286-3687 FOR SHOP SUPERVISOR.

THE CONTRACTOR IS REQUIRED TO INSTALL EXPANSION JOINT FILLER INTO THE CONCRETE WALK, WHICH SHALL BE 1/2" WIDE MINIMUM TO BE USED TO CREATE A SEPARATION BETWEEN A SMALL CONCRETE AREA AROUND THE TRAFFIC & STREET LIGHTING FACILITIES AND THE REST OF THE CONCRETE WALK.

THE BOX SIZE OF THE AREA CREATED USING THE EXPANSION JOINT FILLER IS STANDARD AROUND LIGHT POLES AND TRAFFIC SIGNALS, BUT WILL VARY WHEN PLACED AROUND TRAFFIC & LIGHTING CONTROL CABINETS.



122 DETAIL VERSION #1

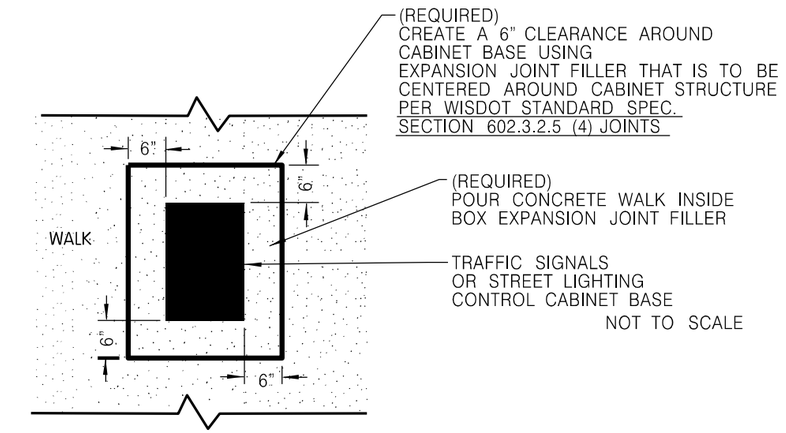
NOT TO SCALE

TYPICAL 30" X 40" BOX EXPANSION JOINT FILLER AROUND STREET LIGHTING AND TRAFFIC SIGNAL FACILITIES

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

THE CONTRACTOR IS REQUIRED TO INSTALL EXPANSION JOINT FILLER INTO THE CONCRETE WALK, WHICH SHALL BE 1/2" WIDE MINIMUM TO BE USED TO CREATE A SEPARATION BETWEEN A SMALL CONCRETE AREA AROUND THE TRAFFIC & STREET LIGHTING FACILITIES AND THE REST OF THE CONCRETE WALK.

THE BOX SIZE OF THE AREA CREATED USING THE EXPANSION JOINT FILLER IS STANDARD AROUND LIGHT POLES AND TRAFFIC SIGNALS, BUT WILL VARY WHEN PLACED AROUND TRAFFIC & LIGHTING CONTROL CABINETS.

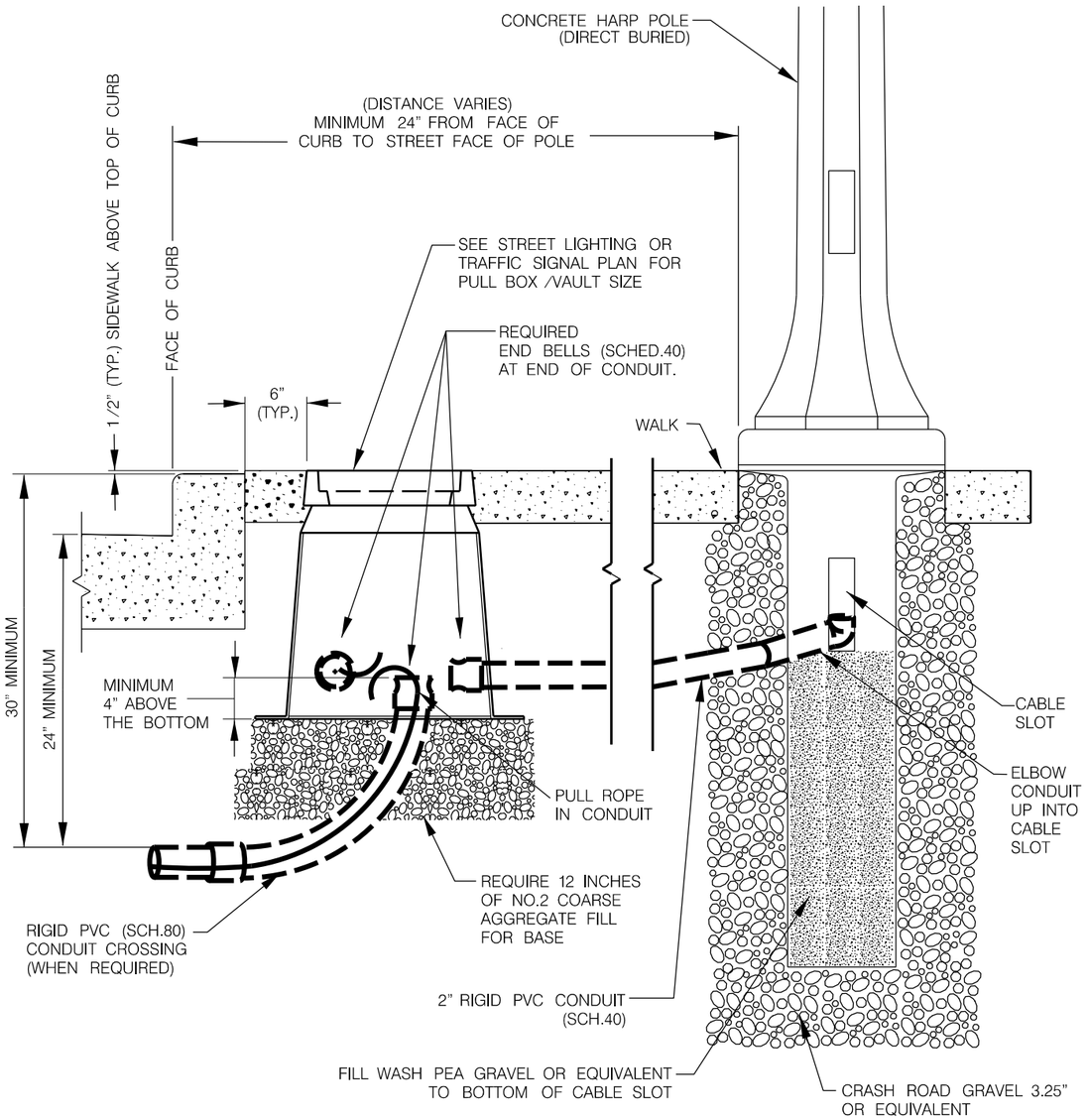


122 DETAIL VERSION #2

NOT TO SCALE

TYPICAL BOX EXPANSION JOINT FILLER AROUND TRAFFIC SIGNAL OR STREET LIGHTING CONTROL CABINET

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.



123 DETAIL

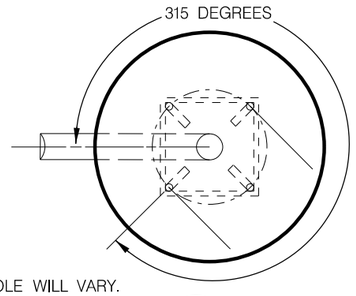
TYPICAL CONDUIT INSTALLATION
FROM PULL BOX TO CONCRETE HARP POLE

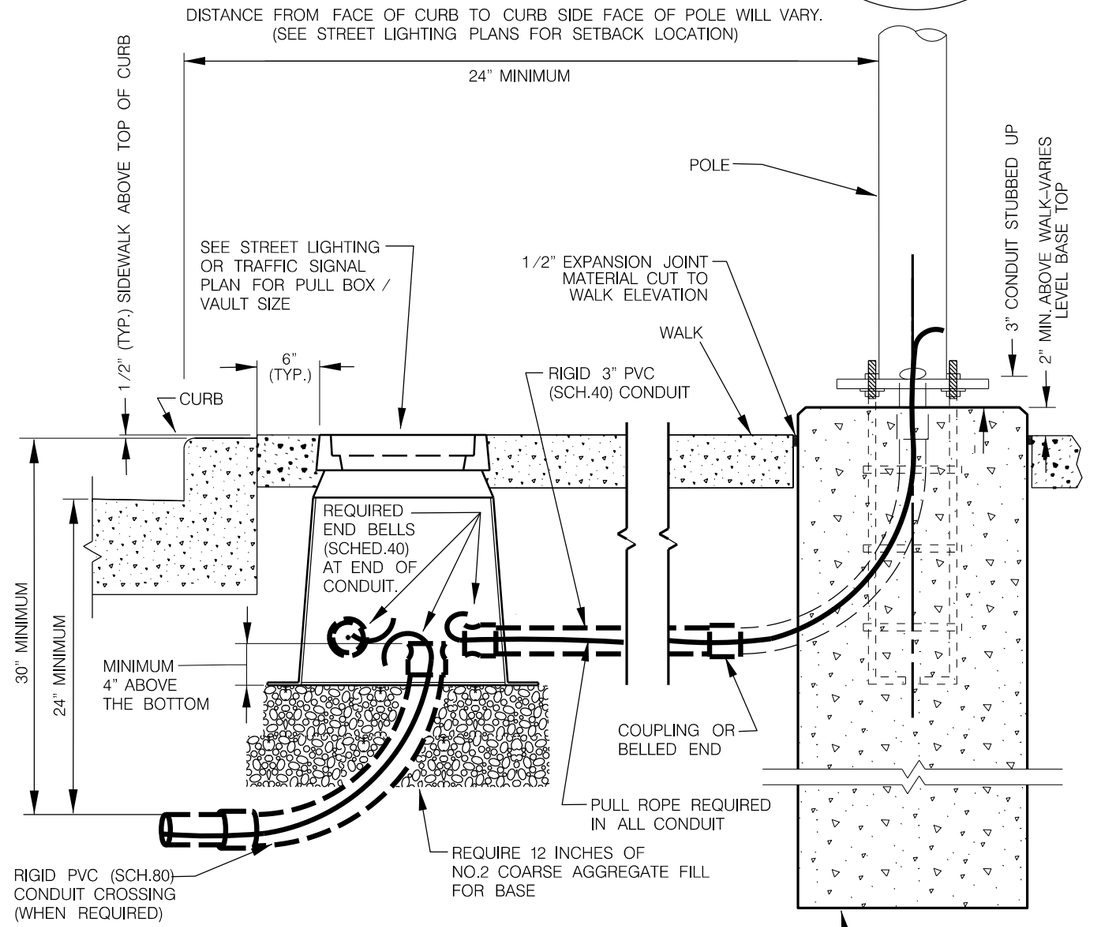
ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

NOT TO SCALE

2

BOLT CIRCLE
TOP VIEW





124 DETAIL

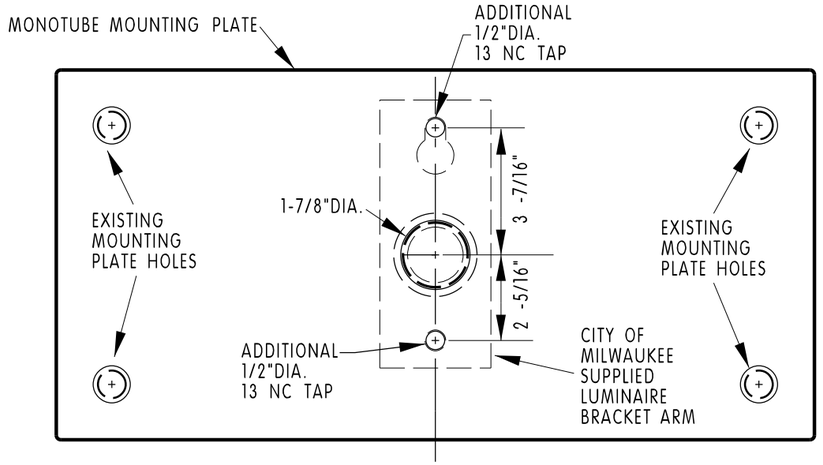
TYPICAL CONDUIT INSTALLATION
FROM PULL BOX / VAULT
TO CONCRETE BASE

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES.
CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

NOT TO SCALE

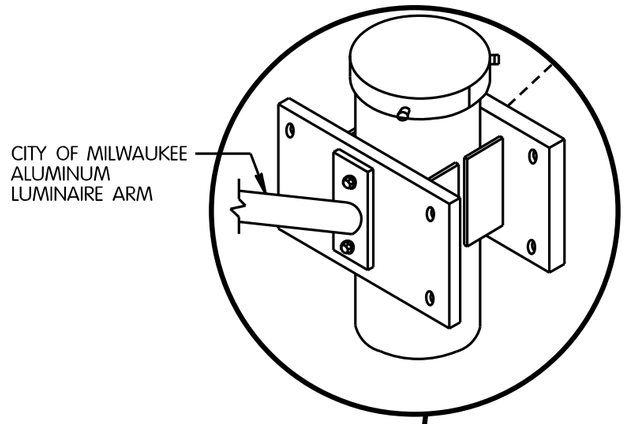
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING AND TRAFFIC SIGNAL DETAILS	SHEET OF 215	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\old design\My26670301 Signals.dgn PLOT DATE : 20-OCT-2021 09:31 PLOT BY : Kpfeif PLOT NAME : PLOT SCALE : 1:29.9999
WISDOT/CADDS SHEET 42

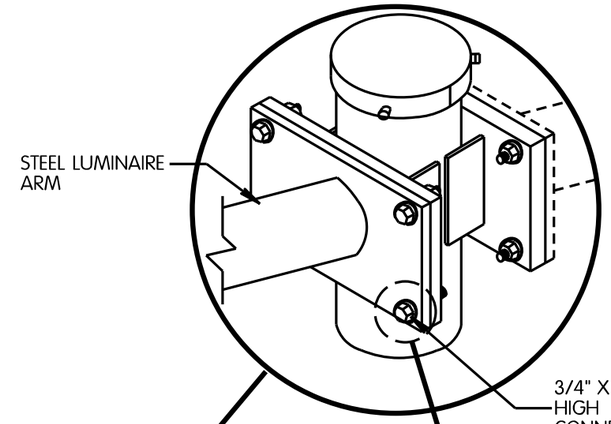


ADDITIONAL MOUNTING HOLES IN LUMINAIRE MOUNTING PLATE

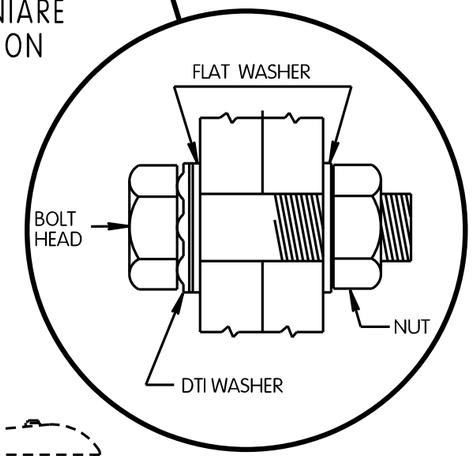
NOT TO SCALE



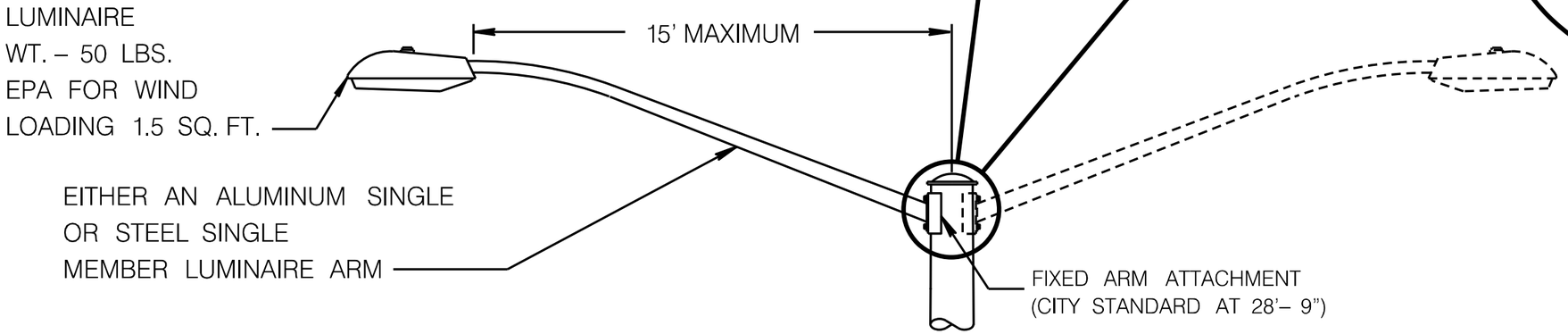
ALUMINUM LUMINIARE ARM OPTION



STEEL LUMINIARE ARM OPTION



RECOMMENDED BOLT ASSEMBLY DETAIL



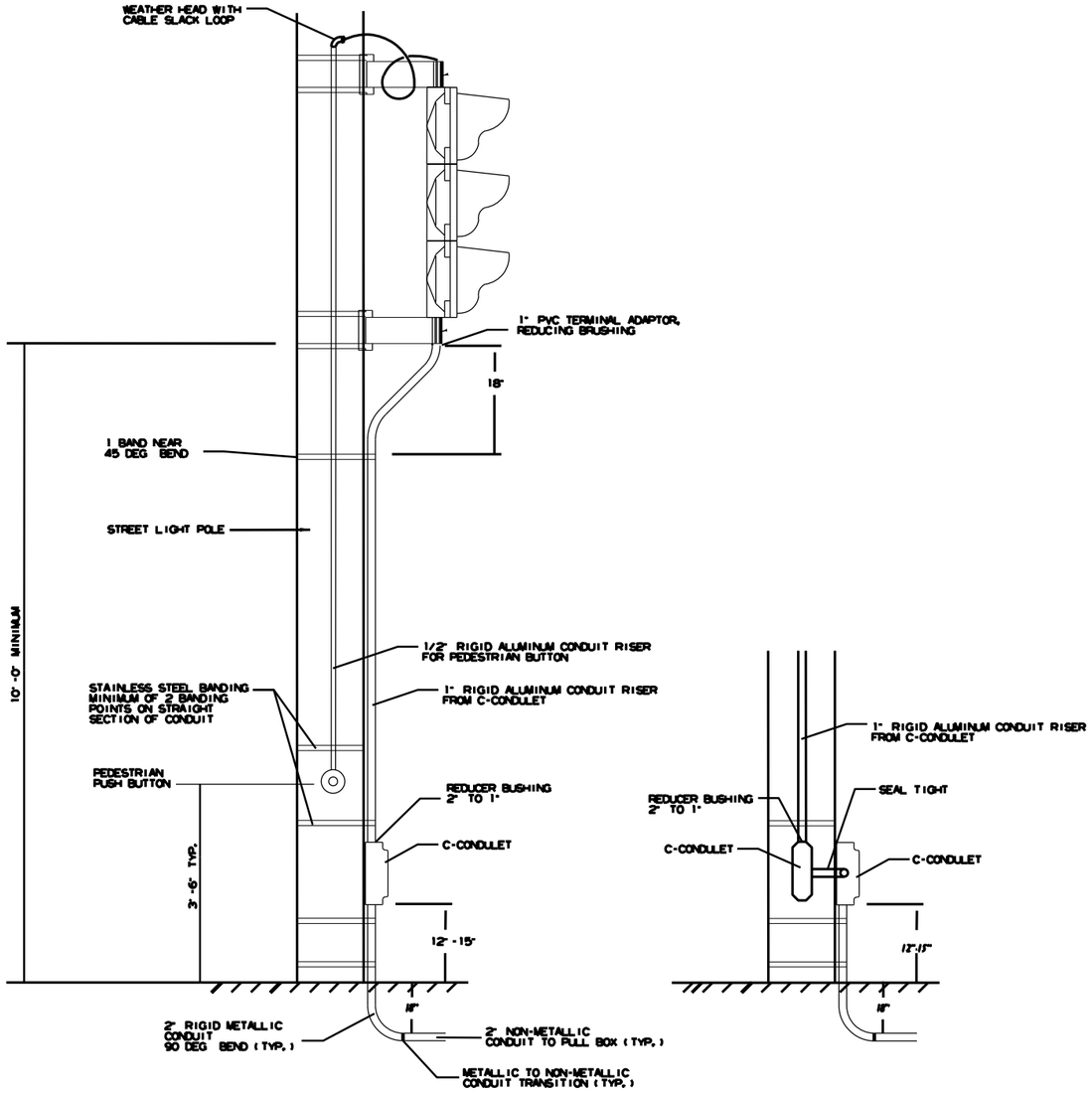
ADDITIONAL MOUNTING HOLES IN LUMINAIRE MOUNTING PLATE FOR

POLES: TYPE 10
TYPE 10 SPECIAL
TYPE 13

NOT TO SCALE

PROJECT NO:2667–03–71	HWY:N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STREET LIGHTING & TRAFFIC SIGNAL DETAILS	SHEET 216	E

2



OPTION 1

OPTION 2

ELECTRICAL RISER

NTS

2

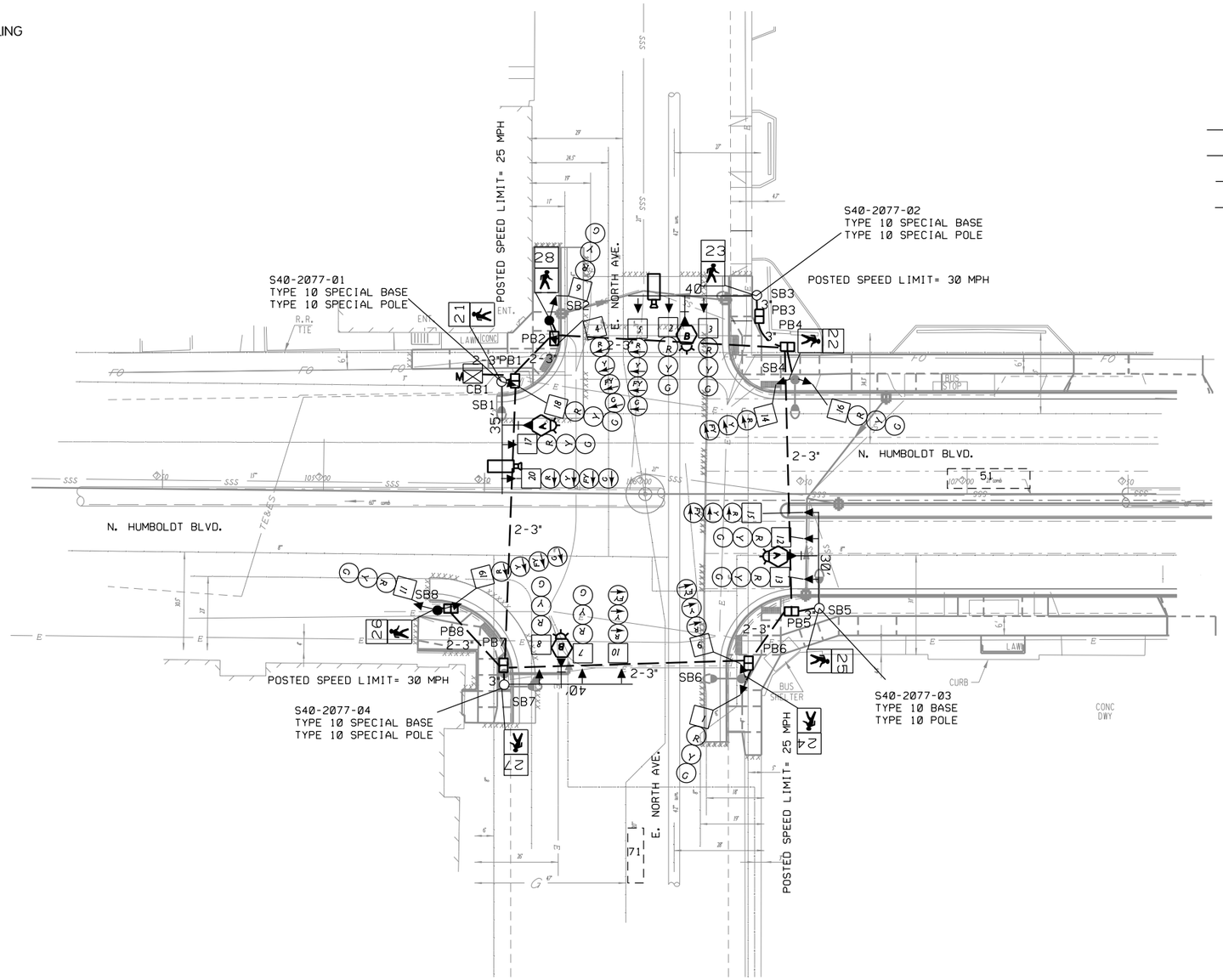
NOTE:

TYPICAL RECTANGLAR PULLBOX SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

GENERAL NOTES SHALL BE FOLLOWED WHEN INSTALLING MATERIALS FOR TRAFFIC.



LEGEND

- M — METER PEDESTAL
- CONTROL CABINET
- NONMETALLIC CONDUIT 2". UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- OH — CABLE:OVERHEAD
- DB — CABLE:DIRECT BURIED
- SIGNAL HEAD. TRAFFIC SIGNAL STANDARD. PEDESTAL BASE
- (XX) — MONOTUBE BASE. POLE. 45'-55' ARM
- (XX) — MONOTUBE BASE. POLE. 15'-40' ARM
- APS B — PUSH BUTTON
- LUMINAIRE
- CONFIRMATION LIGHT
- TEMPORARY BASE
- POLYMER CONCRETE PULL BOX. 17"X30"X24"
- SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R R — RED ARROW
- FY Y Y — YELLOW ARROW
- G G — GREEN ARROW
- R Y G — OPTICALLY PROGRAMMED HEAD
- WALK-DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- **CAMERA**
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
N. HUMBOLDT BLVD. & E. NORTH AVE.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

REGION CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: KAP
REVISED BY:

PAGE OF

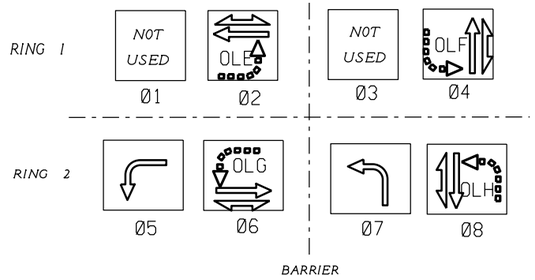
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 218	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\old design\My26670301 Signals.dgn PLOT DATE : 26-OCT-2021 07:43 PLOT BY : Kpfeif PLOT NAME : PLOT SCALE : 1:39.9999

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
OLE	14.15	R
Ø2	16.17.18	R
OLF	9.10	R
Ø4	1.23	R
Ø5	19.20	R
Ø6	11.12.13	R
Ø7	4.5	R
Ø8	6.7.8	R
Ø2P	21.22	
Ø4P	23.24	
Ø6P	25.26	
Ø8P	27.28	

SEQUENCE OF OPERATION



GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
FIBER OPTIC	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	S.
SIGNAL SYSTEM *:	SS. .

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	PED	X
3				
4		8	COORD.	X
5				X
6		2	PED	X
7				X
8		4	COORD.	X

OVERLAPS

O.L. "E" - NB FYA
O.L. "F" - EB FYA
O.L. "G" - SB FYA
O.L. "H" - WB FYA

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR			71	51				
CALLED PHASE			7	5				
CALL OPTION			X	X				
DELAY TIME								
EXTENTION OPTION			X	X				
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	CHANNEL A	CHANNEL B
MOVEMENT	← →	↓ ↑
PHASE	2-6	4-8

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TRAFFIC CONTROL SIGNAL
N. HUMBOLDT BLVD. & E. NORTH AVE.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

CONTROLLER TYPE: ECONOLITE COBALT

DATE PAGE NO. OF

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SEQUENCE OF OPERATIONS	SHEET 219	E

PROJECT ID:	2667-03-71
INTERSECTION:	N. HUMBOLDT BLVD. & E. NORTH AVE.

SIGNAL WIRE COLOR CODING			
	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: 8/18/2021

CB TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASH YELLOW>	<GREEN>	D/WALK	WALK		
SB1		19	17	2	RED	ORG	GRN								
			18	2	RED/BLK	ORG/BLK	GRN/BLK								
			20	5				RED/WHT	BLU/WHT	BLK/WHT	GRN/WHT				
			21	2								BLU	BLK		
SB2		12	4	7				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			6	8	RED	ORG	GRN								
			28	8								BLU	BLK		
SB3		19	2	4	RED	ORG	GRN								
			3	4	RED/BLK	ORG/BLK	GRN/BLK								
			5	7				RED/WHT	BLU/WHT	BLK/WHT	GRN/WHT				
			23	4								BLU	BLK		
SB4		12	14	OLE				RED/BLK	ORG/BLK	GRN/BLK					
			16	2	RED	ORG	GRN								
			22	2								BLU	BLK		
SB5		19	12	6	RED	ORG	GRN								
			13	6	RED/BLK	ORG/BLK	GRN/BLK								
			15	OLE				RED/WHT	BLU/WHT	GRN/WHT					
			25	6								BLU	BLK		
SB6		12	1	4	RED	ORG	GRN								
			9	OLF				RED/BLK	ORG/BLK	GRN/BLK					
			24	4								BLU	BLK		
SB7		19	7	8	RED	ORG	GRN								
			8	8	RED/BLK	ORG/BLK	GRN/BLK								
			10	OLF				RED/WHT	BLU/WHT	GRN/WHT					
			27	8								BLU	BLK		
SB8		12	11	6	RED	ORG	GRN								
			19	5				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			26	6								BLU	BLK		

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	CB1

EMERGENCY VEHICLE PREEMPTION AND UF 2-12 CONFIRMATION	
FROM	TO
CB1	SB1
SB1	HEAD A
CB1	SB3
SB3	HEAD B
CB1	SB5
SB5	HEAD A
CB1	SB7
SB7	HEAD B

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
4. "OTHER" COLUMN MAY INCLUDE SHADOW BOX (BLANK OUT) SIGN.
5. SPV.0090.307 IS WIRED FROM CONTROLLER CABINET TO METER PEDESTAL

2

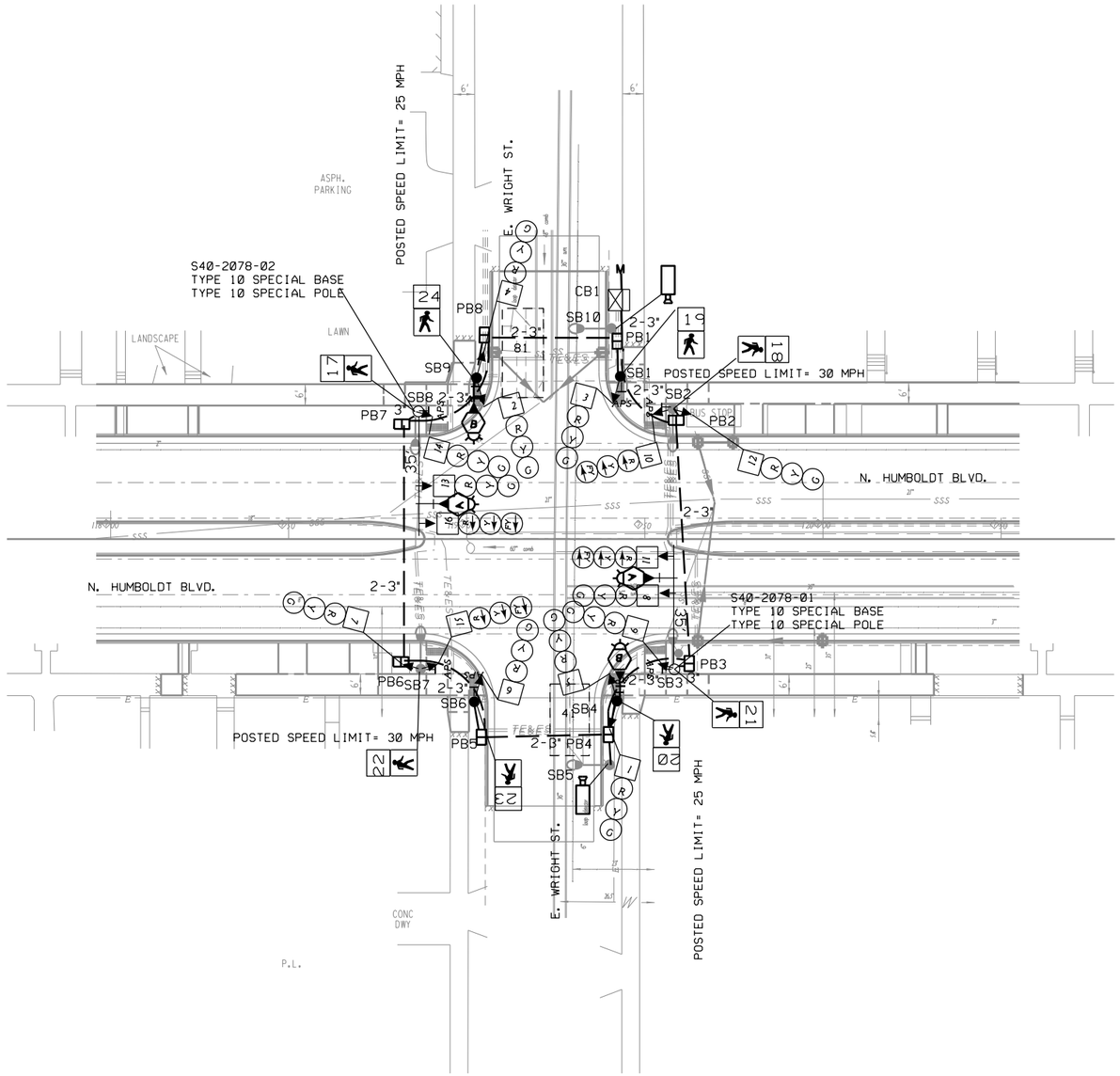
NOTE:

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CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

GENERAL NOTES SHALL BE FOLLOWED WHEN INSTALLING MATERIALS FOR TRAFFIC.



N

LEGEND

- M — *METER PEDESTAL*
- *CONTROL CABINET*
- *NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED*
- *LOOP DETECTOR CONDUIT 1" NONMETALLIC*
- OH — *CABLE-OVERHEAD*
- DB — *CABLE-DIRECT BURIED*
- *SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE*
- (XX) — *MONOTUBE BASE, POLE, 45'-55' ARM*
- (XX) — *MONOTUBE BASE, POLE, 15'-40' ARM*
- APS B — *PUSH BUTTON*
- *LUMINAIRE*
- *CONFIRMATION LIGHT*
- *TEMPORARY BASE*
- *POLYMER CONCRETE PULL BOX, 17"X30"X24"*
- *SIGNAL HEAD NUMBER*
- R — *RED CIRCULAR INDICATOR*
- Y — *YELLOW CIRCULAR INDICATOR*
- G — *GREEN CIRCULAR INDICATOR*
- R R — *RED ARROW*
- PY Y Y — *YELLOW ARROW*
- G G G — *GREEN ARROW*
- R Y G — *OPTICALLY PROGRAMMED HEAD*
- *WALK-DON'T WALK INDICATOR 12"*
  COUNTDOWN TIMER 12"
- **CAMERA**
- X — *EVP DESIGNATOR*
- *EVP DETECTOR HEAD*
- *LANE DESIGNATION FOR INFO ONLY*

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
N. HUMBOLDT BLVD. & E. WRIGHT ST.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

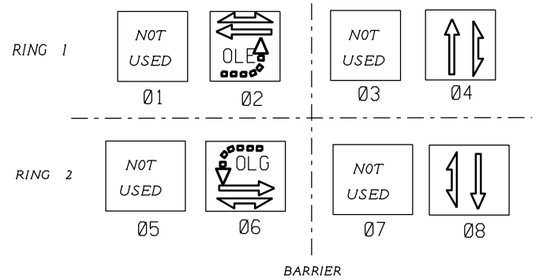
SIGNAL NO.

REGION CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: KAP *PAGE OF*
REVISED BY:

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 221	E

	HEAD NUMBERS	FLASH
OLE	10,11	R
Ø2	12,13,14	R
Ø4	1,2,3	R
OLG	15,16	R
Ø6	7,8,9	R
Ø8	4,5,6	R
Ø2P	17,18	
Ø4P	19,20	
Ø6P	21,22	
Ø8P	23,24	

SEQUENCE OF OPERATION





DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR	41		81					
CALLED PHASE	4		8					
CALL OPTION	X		X					
DELAY TIME								
EXTENTION OPTION	X		X					
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
FIBER OPTIC	
RADIO	
*LOCATION OF MASTER CONTROLLER NO: S.	
SIGNAL SYSTEM *: SS. .	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	CHANNEL A	CHANNEL B
MOVEMENT	← →	↓ ↑
PHASE	2-6	4-8

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	COORD	X
3				
4		8		X
5				
6		2	COORD	X
7				
8		4		X

OVERLAPS

O.L. "E" - NB FYA

O.L. "G" - SB FYA

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TRAFFIC CONTROL SIGNAL
N. HUMBOLDT BLVD. & E. WRIGHT ST.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

CONTROLLER TYPE: ECONOLITE COBALT

DATE PAGE NO. OF

PROJECT NO: 2667-03-71 | HWY:N. HUMBOLDT BLVD. | COUNTY: MILWAUKEE | SEQUENCE OF OPERATIONS | SHEET 222 | E

PROJECT ID:	2667-03-71
INTERSECTION:	N. HUMBOLDT BLVD. & E. WRIGHT ST.

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: 10/12/2021

CB TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR								PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASH YELLOW>	D/WALK	WALK		
SB1		12	3	4	RED	ORG	GRN							
			19	4							BLU	BLK		
			PUSHBUTTON	2									WHT/BLK	
			APS	2									BLK/WHT	
SB2		12	10	OLE				RED/BLK	ORG/BLK	GRN/BLK				
			12	2	RED	ORG	GRN							
			18	2							BLU	BLK		
			PUSHBUTTON	4									WHT/BLK	
			APS	4									BLK/WHT	
SB3		19	8	6	RED	ORG	GRN							
			9	6	RED/BLK	ORG/BLK	GRN/BLK							
			11	OLE				RED/WHT	BLU/WHT	GRN/WHT				
			21	6							BLU	BLK		
			PUSHBUTTON	4									WHT/BLK	
			APS	4									BLK/WHT	
SB4		12	1	4	RED	ORG	GRN							
			5	8	RED/BLK	ORG/BLK	GRN/BLK							
			20	4							BLU	BLK		
			PUSHBUTTON	6									WHT/BLK	
			APS	6									BLK/WHT	
SB6		12	6	8	RED	ORG	GRN							
			23	8							BLU	BLK		
			PUSHBUTTON	6									WHT/BLK	
			APS	6									BLK/WHT	
SB7		12	7	6	RED	ORG	GRN							
			15	OLG				RED/BLK	ORG/BLK	GRN/BLK				
			22	6							BLU	BLK		
			PUSHBUTTON	8									WHT/BLK	
			APS	8									BLK/WHT	
SB8		19	13	2	RED	ORG	GRN							
			14	2	RED/BLK	ORG/BLK	GRN/BLK							
			16	OLG				RED/WHT	BLU/WHT	GRN/WHT				
			17	2							BLU	BLK		
			PUSHBUTTON	8									WHT/BLK	
			APS	8									BLK/WHT	
SB9		12	2	4	RED	ORG	GRN							
			4	8	RED/BLK	ORG/BLK	GRN/BLK							
			24	8							BLU	BLK		
			PUSHBUTTON	2									WHT/BLK	
			APS	2									BLK/WHT	

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	CB1

EMERGENCY VEHICLE PREEMPTION AND UF 2-12 CONFIRMATION	
FROM	TO
CB1	SB3
SB3	HEAD A
CB1	SB4
SB4	HEAD B
CB1	SB7
SB8	HEAD A
CB1	SB8
SB9	HEAD B

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
4. "OTHER" COLUMN MAY INCLUDE SHADOW BOX (BLANK OUT) SIGN.
5. SPV.0090.307 IS WIRED FROM CONTROLLER CABINET TO METER PEDESTAL

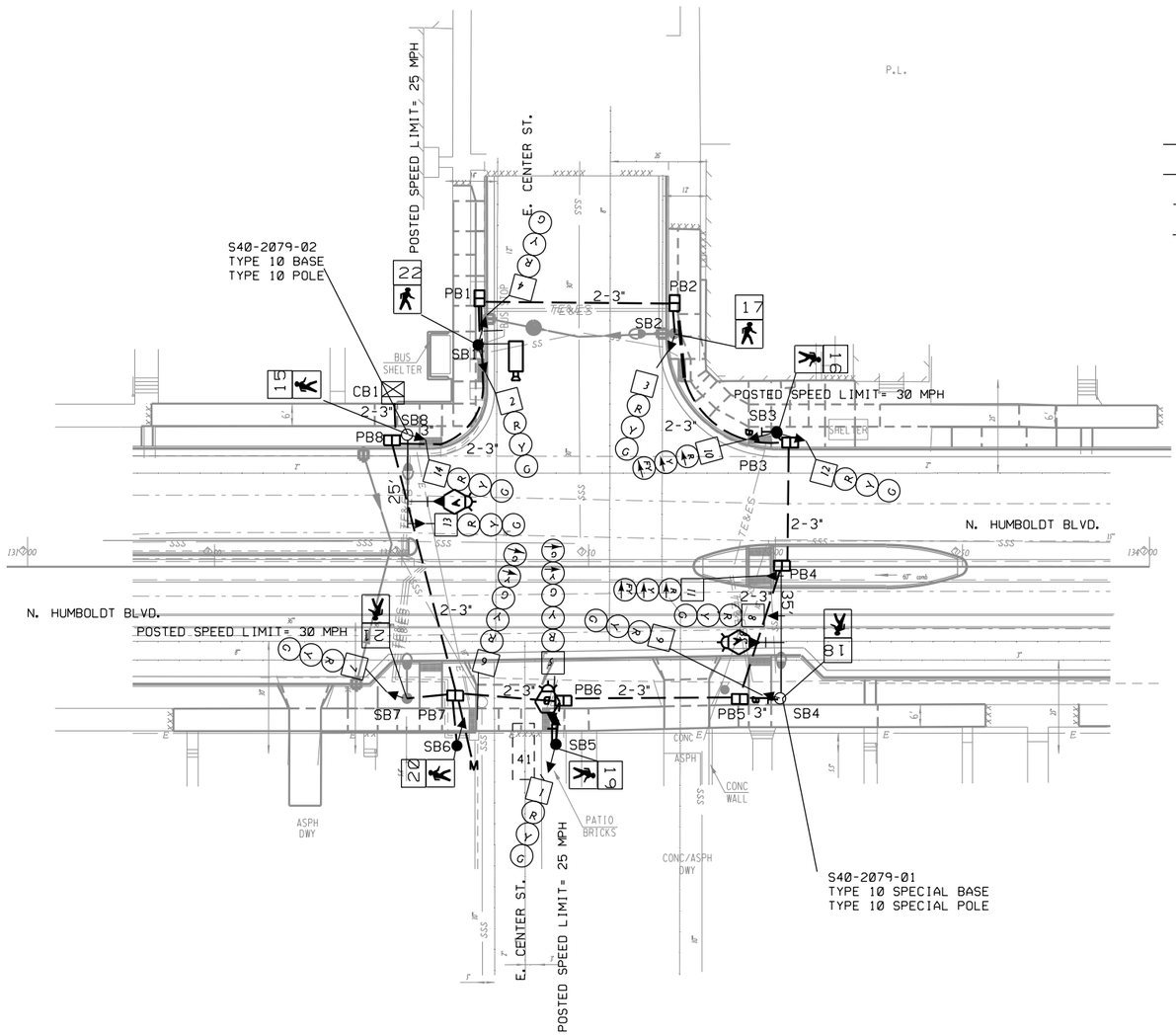
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LEGEND

- M — METER PEDESTAL
- CONTROL CABINET
- NONMETALLIC CONDUIT 2". UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- OH — CABLE-OVERHEAD
- DB — CABLE-DIRECT BURIED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) — MONOTUBE BASE, POLE, 45'-55' ARM
- (XX) — MONOTUBE BASE, POLE, 15'-40' ARM
- APS — PUSH BUTTON
- LUMINAIRE
- CONFIRMATION LIGHT
- TEMPORARY BASE
- POLYMER CONCRETE PULL BOX, 17"X30"X24"
- SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- OPTICALLY PROGRAMMED HEAD
- WALK-DON'T WALK INDICATOR 12"
  COUNTDOWN TIMER 12"
- **CAMERA**
- X — EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
E. CENTER ST. & N. HUMBOLDT BLVD.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

REGION CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: KAP
REVISED BY:

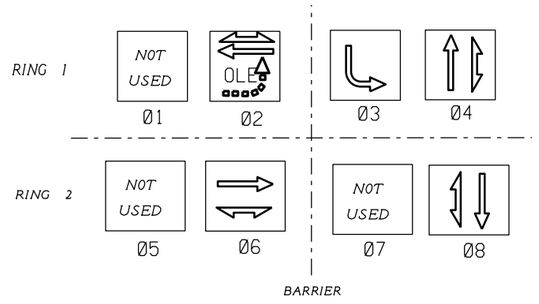
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PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 224	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\old design\My26670301 Signals.dgn
PLOT DATE : 26-OCT-2021 07:59
PLOT BY : Kpfeif
PLOT NAME :
PLOT SCALE : 1:39.9999
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
OLE	10,11	R
Ø2	12,13,14	R
Ø3	5,6	R
Ø4	1,2,3	R
Ø6	7,8,9	R
Ø8	4,5,6	R
Ø2P	15,16	
Ø4P	17,18	
Ø6P	19,20	
Ø8P	21,22	

SEQUENCE OF OPERATION



DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR	41							
CALLED PHASE	4							
CALL OPTION	X							
DELAY TIME								
EXTENTION OPTION	X							
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
FIBER OPTIC	
RADIO	
*LOCATION OF MASTER CONTROLLER NO: S.	
SIGNAL SYSTEM *: SS.	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	CHANNEL A	CHANNEL B
MOVEMENT	← →	↓ ↑
PHASE	2·6	4·8

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	COORD	X
3			VEH	X
4				X
5				
6		2	COORD	X
7				
8			PED	X

OVERLAPS

O.L. "E" · NB FYA

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TRAFFIC CONTROL SIGNAL
E. CENTER ST. & N. HUMBOLDT BLVD.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

CONTROLLER TYPE: ECONOLITE COBALT

DATE PAGE NO. OF

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SEQUENCE OF OPERATIONS	SHEET 225	E

PROJECT ID:	2667-03-71
INTERSECTION:	E. CENTER ST. & N. HUMBOLDT BLVD.

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: 10/12/2021

CB TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASH GREEN>	<GREEN>	D/WALK	WALK		
SB1		12	2	4	RED	ORG	GRN								
			4	8	RED/BLK	ORG/BLK	GRN/BLK								
			22	8								BLU	BLK		
SB2		12	3	4	RED	ORG	GRN								
			17	4								BLU	BLK		
SB3		12	10	OLE				RED/BLK	ORG/BLK	GRN/BLK					
			12	2	RED	ORG	GRN								
			16	2								BLU	BLK		
			PUSHBUTTON	4										WHT/BLK	
SB4		19	8	6	RED	ORG	GRN								
			9	6	RED/BLK	ORG/BLK	GRN/BLK								
			11	OLE				RED/WHT	BLU/WHT	GRN/WHT					
			18	4								BLU	BLK		
			PUSHBUTTON	4										WHT/BLK	
SB5		19	1	4	RED	ORG	GRN								
			5	3,8	RED/BLK	ORG/BLK	GRN/BLK		BLU/WHT		GRN/WHT				
			19	6								BLU	BLK		
SB6		12	6	3,8	RED	ORG	GRN		ORG/BLK		GRN/BLK				
			20	6								BLU	BLK		
SB7		12	7	6	RED	ORG	GRN								
			21	8								BLU	BLK		
SB8		19	13	2	RED	ORG	GRN								
			14	2	RED/BLK	ORG/BLK	GRN/BLK								
			15	2								BLU	BLK		

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB8
SB8	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8

EMERGENCY VEHICLE PREEMPTION AND UF 2-12 CONFIRMATION	
FROM	TO
CB1	SB4
SB4	HEAD A
CB1	SB5
SB5	HEAD B
CB1	SB8
SB8	HEAD A

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
4. "OTHER" COLUMN MAY INCLUDE SHADOW BOX (BLANK OUT) SIGN.
5. SPV.0090.307 IS WIRED FROM CONTROLLER CABINET TO METER PEDESTAL

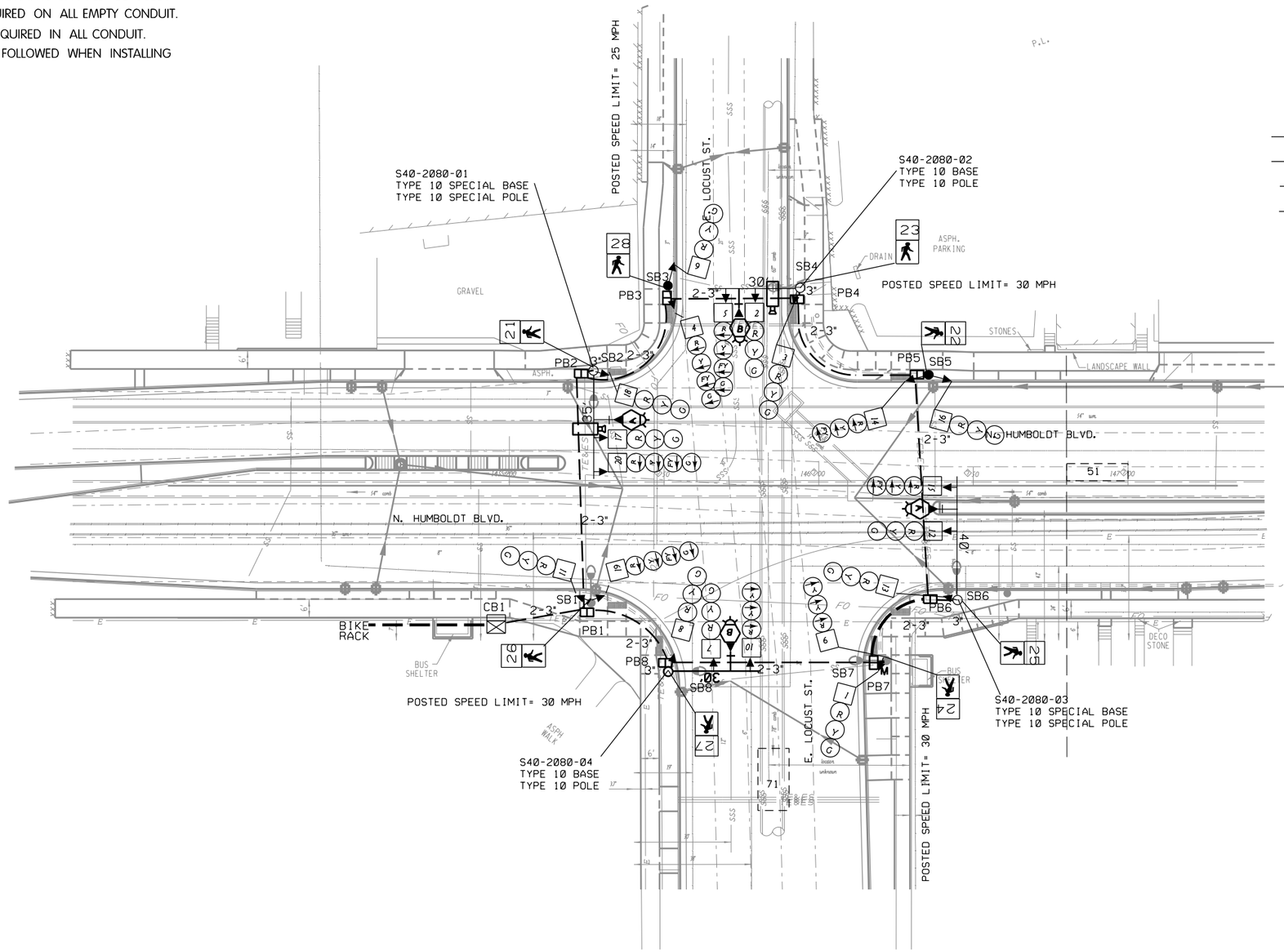
NOTE:

TYPICAL RECTANGLAR PULLBOX SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

GENERAL NOTES SHALL BE FOLLOWED WHEN INSTALLING MATERIALS FOR TRAFFIC.



LEGEND

- M — METER PEDESTAL
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- OH — CABLE-OVERHEAD
- DB — CABLE-DIRECT BURIED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) — MONOTUBE BASE, POLE, 45'-55' ARM
- (XX) — MONOTUBE BASE, POLE, 15'-40' ARM
- APS — B — PUSH BUTTON
- LUMINAIRE
- CONFIRMATION LIGHT
- TEMPORARY BASE
- POLYMER CONCRETE PULL BOX, 17"X30"X24"
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- OPTICALLY PROGRAMMED HEAD
- WALK-DON'T WALK INDICATOR 12"
  COUNTDOWN TIMER 12"
- **CAMERA**
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY
- NOTE: ALL LENSES ARE 12-INCH
  GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
N. HUMBOLDT BLVD. & E. LOCUST ST.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

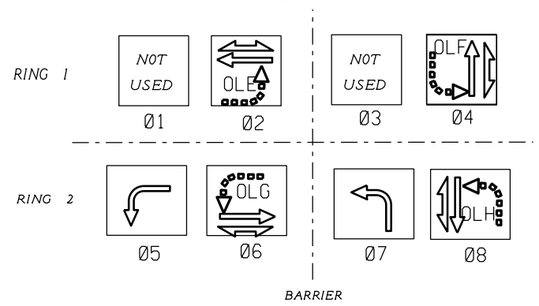
REGION CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: KAP
REVISED BY:

PAGE OF

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 227	E

	HEAD NUMBERS	FLASH
OLE	14,15	R
Ø2	16,17,18	R
OLF	9,10	R
Ø4	1,2,3	R
Ø5	19,20	R
Ø6	11,12,13	R
Ø7	4,5	R
Ø8	6,7,8	R
Ø2P	21,22	
Ø4P	23,24	
Ø6P	25,26	
Ø8P	27,28	

SEQUENCE OF OPERATION



N

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR			71	51				
CALLED PHASE			7	5				
CALL OPTION			X	X				
DELAY TIME								
EXTENTION OPTION			X	X				
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR•	
CLOSED LOOP FIBER OPTIC•	
FIBER OPTIC	
RADIO	
•LOCATION OF MASTER CONTROLLER NO: S.	
SIGNAL SYSTEM •: SS.	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY Y / 8	PHASE RECALL	PHASE ACTIVE
1				
2		6	COORD	X
3				
4		8	PED	X
5				X
6		2	COORD	X
7				X
8		4	PED	X

OVERLAPS

O.L. "E" = NB FYA
O.L. "F" = EB FYA
O.L. "G" = SB FYA
O.L. "H" = WB FYA

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	CHANNEL A	CHANNEL B
MOVEMENT	⇐ ⇒	⇓ ⇑
PHASE	2-6	4-8

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TRAFFIC CONTROL SIGNAL
N. HUMBOLDT BLVD. & E. LOCUST ST.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

CONTROLLER TYPE: ECONOLITE COBALT

DATE PAGE NO. OF

PROJECT NO: 2667-03-71 | HWY: N. HUMBOLDT BLVD. | COUNTY: MILWAUKEE | SEQUENCE OF OPERATIONS | SHEET 228 | E

PROJECT ID:	2667-03-71
INTERSECTION:	N. HUMBOLDT BLVD. & E. LOCUST ST.

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: 10/12/2021

CB TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASH YELLOW>	<GREEN>	D/WALK	WALK		
SB1		12	11	6	RED	ORG	GRN								
			19	5				RED/WHT	BLU/WHT	BLK/WHT	GRN/WHT				
			26	6								BLU	BLK		
SB2		19	17	2	RED	ORG	GRN								
			18	2	RED/BLK	ORG/BLK	GRN/BLK								
			20	5				RED/WHT	BLU/WHT	BLK/WHT	GRN/WHT				
			21	2								BLU	BLK		
SB3		12	4	7				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			6	8	RED	ORG	GRN								
			28	8								BLU	BLK		
SB4		19	2	4	RED	ORG	GRN								
			3	4	RED/BLK	ORG/BLK	GRN/BLK								
			5	7				RED/WHT	BLU/WHT	BLK/WHT	GRN/WHT				
			23	4								BLU	BLK		
SB5		12	14	OLE				RED/BLK	ORG/BLK	GRN/BLK					
			16	2	RED	ORG	GRN								
			22	2								BLU	BLK		
SB6		19	12	6	RED	ORG	GRN								
			13	6	RED/BLK	ORG/BLK	GRN/BLK								
			15	OLE				BLK/RED	ORG/RED	BLU/RED					
			25	6								BLU	BLK		
SB7		12	1	4	RED	ORG	GRN								
			9	OLF	RED/BLK	ORG/BLK	GRN/BLK								
			24	4								BLU	BLK		
SB8		19	7	8	RED	ORG	GRN								
			8	8	RED/BLK	ORG/BLK	GRN/BLK								
			10	OLF				BLK/RED	ORG/RED	BLU/RED					
			27	8								BLU	BLK		

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	CB1

EMERGENCY VEHICLE PREEMPTION AND UF 2-12 CONFIRMATION	
FROM	TO
CB1	SB2
SB2	HEAD A
CB1	SB4
SB4	HEAD B
CB1	SB6
SB6	HEAD A
CB1	SB8
SB8	HEAD B

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
4. "OTHER" COLUMN MAY INCLUDE SHADOW BOX (BLANK OUT) SIGN.
5. SPV.0090.307 IS WIRED FROM CONTROLLER CABINET TO METER PEDESTAL
6. RUN UF 2-12 WIRE FROM THE CONTROLLER CABINET TO THE BIKE RACK

2

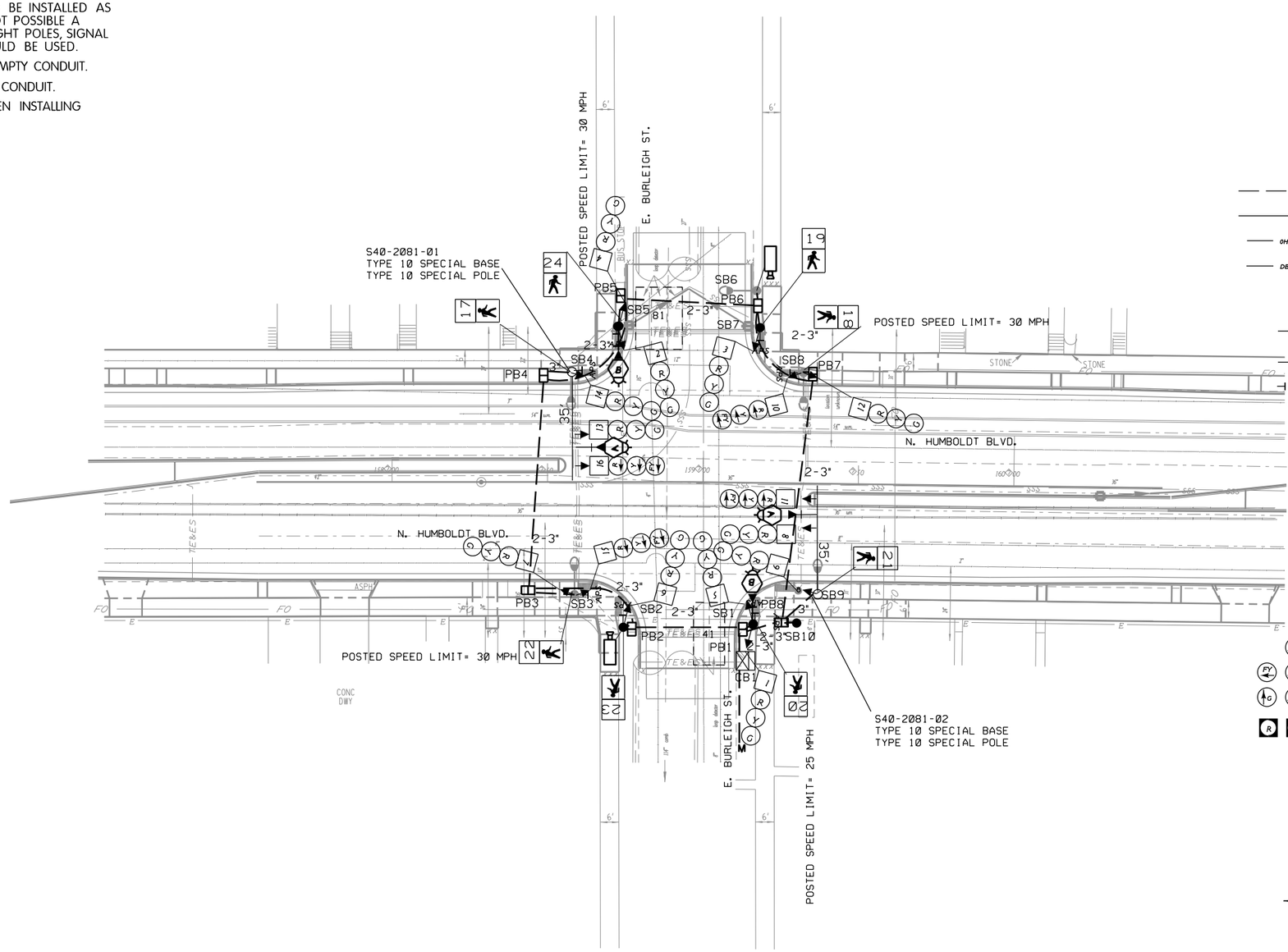
NOTE:

TYPICAL RECTANGLAR PULLBOX SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

GENERAL NOTES SHALL BE FOLLOWED WHEN INSTALLING MATERIALS FOR TRAFFIC.



LEGEND

- M — *METER PEDESTAL*
- *CONTROL CABINET*
- *NONMETALLIC CONDUIT 2". UNLESS OTHERWISE NOTED*
- *LOOP DETECTOR CONDUIT 1" NONMETALLIC*
- OH — *CABLE-OVERHEAD*
- DB — *CABLE-DIRECT BURIED*
- *SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE*
- (XX) — *MONOTUBE BASE, POLE, 45'-55' ARM*
- (XX) — *MONOTUBE BASE, POLE, 15'-40' ARM*
- APS — B — *PUSH BUTTON*
- *LUMINAIRE*
- *CONFIRMATION LIGHT*
- *TEMPORARY BASE*
- *POLYMER CONCRETE PULL BOX, 17"X30"X24"*
- *SIGNAL HEAD NUMBER*
- R — *RED CIRCULAR INDICATOR*
- Y — *YELLOW CIRCULAR INDICATOR*
- G — *GREEN CIRCULAR INDICATOR*
- R R — *RED ARROW*
- FY Y Y — *YELLOW ARROW*
- LG G G — *GREEN ARROW*
- R Y G — *OPTICALLY PROGRAMMED HEAD*
- *WALK-DON'T WALK INDICATOR 12"*
  COUNTDOWN TIMER 12"
- **CAMERA**
- X — *EVP DESIGNATOR*
- *EVP DETECTOR HEAD*
- *LANE DESIGNATION FOR INFO ONLY*

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
E. BURLEIGH ST. & N. HUMBOLDT BLVD.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

REGION CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: KAP *PAGE OF*
REVISED BY:

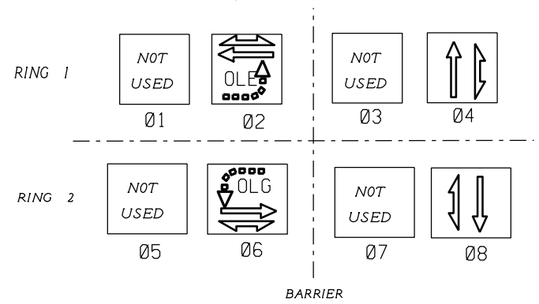
PROJECT NO: 2667–03–71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 230	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\old design\My26670301 Signals.dgn PLOT DATE : 26-OCT-2021 07:51 PLOT BY : Kpfeif PLOT NAME : PLOT SCALE : 1:39.9999

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
OLE	10,11	R
Ø2	12,13,14	R
Ø4	1,2,3	R
OLG	15,16	R
Ø6	7,8,9	R
Ø8	4,5,6	R
Ø2P	17,18	
Ø4P	19,20	
Ø6P	21,22	
Ø8P	23,24	

SEQUENCE OF OPERATION



N

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR	41		81					
CALLED PHASE	4		8					
CALL OPTION	X		X					
DELAY TIME								
EXTENTION OPTION	X		X					
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
FIBER OPTIC	
RADIO	
*LOCATION OF MASTER CONTROLLER NO: S.	
SIGNAL SYSTEM *: SS.	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	CHANNEL A	CHANNEL B
MOVEMENT	← →	↓ ↑
PHASE	2-6	4-8

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	COORD	X
3				
4		8		X
5				
6		2	COORD	X
7				
8		4		X

OVERLAPS

O.L. "E" = NB FYA

O.L. "G" = SB FYA

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TRAFFIC CONTROL SIGNAL
E. BURLEIGH ST. & N. HUMBOLDT BLVD.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

CONTROLLER TYPE: ECONOLITE COBALT

DATE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SEQUENCE OF OPERATIONS	SHEET 231	E

PROJECT ID:	2667-03-71
INTERSECTION:	E. BURLEIGH ST. & N. HUMBOLDT BLVD.

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: 10/12/2021

CB TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR								PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASH YELLOW>	D/WALK	WALK		
SB1		12	1	4	RED	ORG	GRN							
			5	8	RED/BLK	ORG/BLK	GRN/BLK							
			20	4							BLU	BLK		
			PUSHBUTTON	6									WHT/BLK	
			APS	6									BLK/WHT	
SB2		12	6	8	RED	ORG	GRN							
			23	8							BLU	BLK		
			PUSHBUTTON	6									WHT/BLK	
			APS	6									BLK/WHT	
SB3		12	7	6	RED	ORG	GRN							
			15	OLG				RED/BLK	ORG/BLK	GRN/BLK				
			22	6							BLU	BLK		
			PUSHBUTTON	8									WHT/BLK	
			APS	8									BLK/WHT	
SB4		19	13	2	RED	ORG	GRN							
			14	2	RED/BLK	ORG/BLK	GRN/BLK							
			16	OLG				RED/WHT	BLU/WHT	GRN/WHT				
			17	2							BLU	BLK		
			PUSHBUTTON	8									WHT/BLK	
			APS	8									BLK/WHT	
SB5		12	2	4	RED	ORG	GRN							
			4	8	RED/BLK	ORG/BLK	GRN/BLK							
			24	8							BLU	BLK		
			PUSHBUTTON	2									WHT/BLK	
			APS	2									BLK/WHT	
SB7		12	3	4	RED	ORG	GRN							
			19	4							BLU	BLK		
			PUSHBUTTON	2									WHT/BLK	
			APS	2									BLK/WHT	
SB8		12	10	OLE				RED/BLK	ORG/BLK	GRN/BLK				
			12	2	RED	ORG	GRN							
			18	2							BLU	BLK		
			PUSHBUTTON	4									WHT/BLK	
			APS	4									BLK/WHT	
SB9		19	8	6	RED	ORG	GRN							
			9	6	RED/BLK	ORG/BLK	GRN/BLK							
			11	OLE				RED/WHT	BLU/WHT	GRN/WHT				
			21	6							BLU	BLK		
	SB10	12	PUSHBUTTON	4									WHT/BLK	
			APS	4									BLK/WHT	

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	CB1

EMERGENCY VEHICLE PREEMPTION AND UF 2-12 CONFIRMATION	
FROM	TO
CB1	SB1
SB1	HEAD B
CB1	SB4
SB4	HEAD A
CB1	SB5
SB5	HEAD B
CB1	SB8
SB8	HEAD A

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
4. "OTHER" COLUMN MAY INCLUDE SHADOW BOX (BLANK OUT) SIGN.
5. SPV.0090.307 IS WIRED FROM CONTROLLER CABINET TO METER PEDESTAL

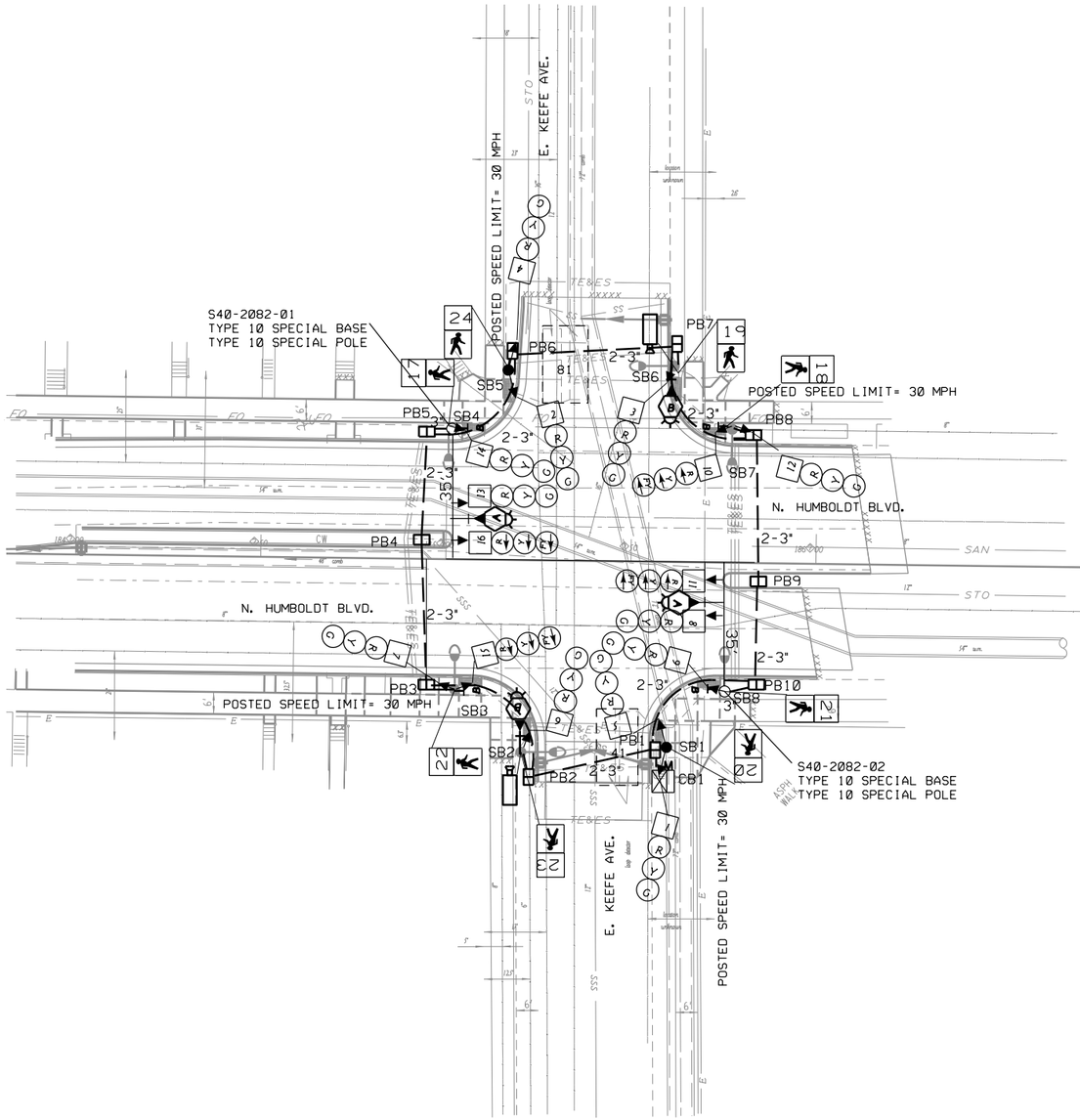
NOTE:

TYPICAL RECTANGLAR PULLBOX SHOULD BE INSTALLED AS SHOWN ON PLAN, BUT WHEN IT IS NOT POSSIBLE A 5 FT. TO 6 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS, AND FIRE HYDRANTS SHOULD BE USED.

CONDUIT END CAPS REQUIRED ON ALL EMPTY CONDUIT.

PULL ROPE (3/8" NYLON) REQUIRED IN ALL CONDUIT.

GENERAL NOTES SHALL BE FOLLOWED WHEN INSTALLING MATERIALS FOR TRAFFIC.



LEGEND

- M — METER PEDESTAL
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- OH — CABLE-OVERHEAD
- DB — CABLE-DIRECT BURIED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) — MONOTUBE BASE, POLE, 45'-55' ARM
- (XX) — MONOTUBE BASE, POLE, 15'-40' ARM
- APS B — PUSH BUTTON
- LUMINAIRE
- CONFIRMATION LIGHT
- TEMPORARY BASE
- POLYMER CONCRETE PULL BOX, 17"X30"X24"
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) (R) RED ARROW
- (FY) (Y) (Y) YELLOW ARROW
- (FG) (G) (G) GREEN ARROW
- (R) (Y) (G) OPTICALLY PROGRAMMED HEAD
- WALK-DON'T WALK INDICATOR 12" COUNTDOWN TIMER 12"
- CAMERA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
N. HUMBOLDT BLVD. & E. KEEFE AVE.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

REGION CONTACT: JOSEPH BLAKEMAN
DESIGNED BY: KAP
REVISED BY:

PAGE OF

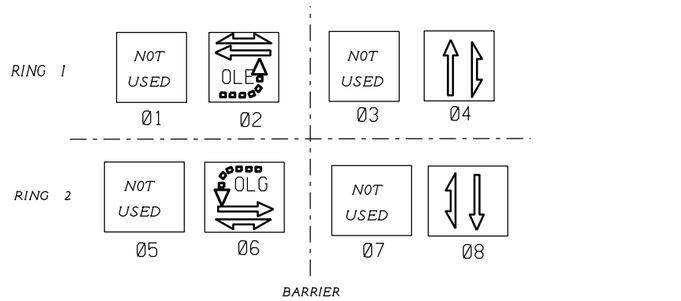
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 233	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\old design\My26670301 Signals.dgn PLOT DATE : 26-OCT-2021 08:06 PLOT BY : Kpfeif PLOT NAME : PLOT SCALE : 1:39.9999

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
OLE	10,11	R
Ø2	12,13,14	R
Ø4	1,2,3	R
OLG	15,16	R
Ø6	7,8,9	R
Ø8	4,5,6	R
Ø2P	17,18	
Ø4P	19,20	
Ø6P	21,22	
Ø8P	23,24	

SEQUENCE OF OPERATION



N

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.

TYPE OF INTERCONNECT COMMUNICATION	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
FIBER OPTIC	
RADIO	
*LOCATION OF MASTER CONTROLLER NO: S.	
SIGNAL SYSTEM *: SS.	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	COORD	X
3				
4		8		X
5				
6		2	COORD	X
7				
8		4		X

OVERLAPS

O.L. "E" - NB FYA

O.L. "G" - SB FYA

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR	41		81					
CALLED PHASE	4		8					
CALL OPTION	X		X					
DELAY TIME								
EXTENTION OPTION	X		X					
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	CHANNEL A	CHANNEL B
MOVEMENT	← →	↓ ↑
PHASE	2-6	4-8

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TRAFFIC CONTROL SIGNAL
N. HUMBOLDT BLVD. & E. KEEFE AVE.
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO.

CONTROLLER TYPE: ECONOLITE COBALT

DATE PAGE NO. OF

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SEQUENCE OF OPERATIONS	SHEET 234	E

PROJECT ID:	2667-03-71
INTERSECTION:	N. HUMBOLDT BLVD. & E. KEEFE AVE.

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: 10/12/2021

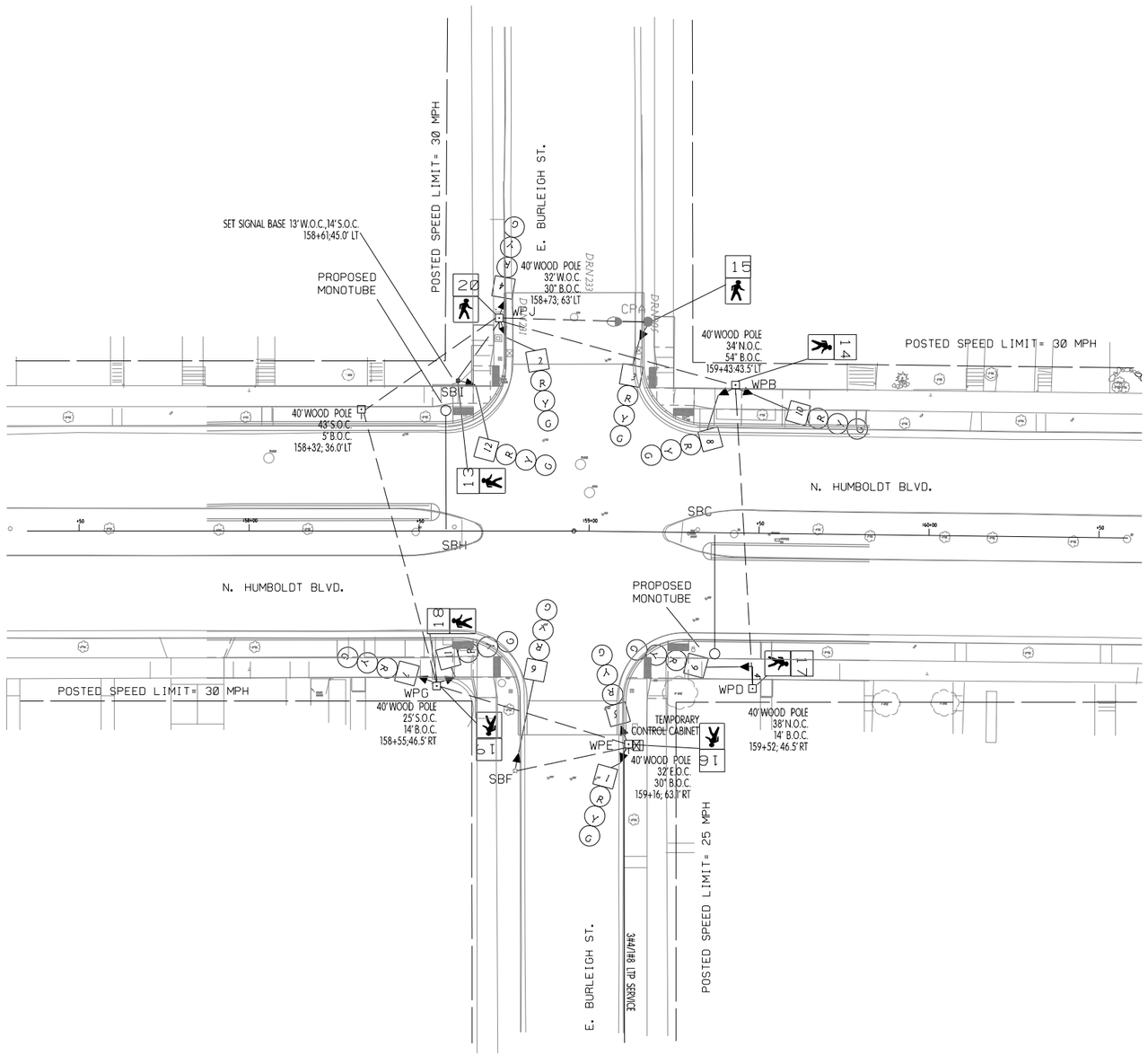
CB TO	JUMPER	# OF COND.	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR								PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASH YELLOW>	D/WALK	WALK		
SB1		12	1	4	RED	ORG	GRN							
			5	8	RED/BLK	ORG/BLK	GRN/BLK							
			20	4							BLU	BLK		
SB2		12	6	8	RED	ORG	GRN							
			23	8							BLU	BLK		
SB3		12	7	6	RED	ORG	GRN							
			15	OLG				RED/BLK	ORG/BLK	GRN/BLK				
			22	6							BLU	BLK		
			PUSHBUTTON	8									WHT/BLK	
SB4		19	13	2	RED	ORG	GRN							
			14	2	RED/BLK	ORG/BLK	GRN/BLK							
			16	OLG				RED/WHT	BLU/WHT	GRN/WHT				
			17	2							BLU	BLK		
			PUSHBUTTON	8									WHT/BLK	
SB5		12	2	4	RED	ORG	GRN							
			4	8	RED/BLK	ORG/BLK	GRN/BLK							
			24	8							BLU	BLK		
SB6		12	3	4	RED	ORG	GRN							
			19	4							BLU	BLK		
SB7		12	10	OLE				RED/BLK	ORG/BLK	GRN/BLK				
			12	2	RED	ORG	GRN							
			18	2							BLU	BLK		
			PUSHBUTTON	4									WHT/BLK	
SB8		19	8	6	RED	ORG	GRN							
			9	6	RED/BLK	ORG/BLK	GRN/BLK							
			11	OLE				RED/WHT	BLU/WHT	GRN/WHT				
			21	6							BLU	BLK		
			PUSHBUTTON	4									WHT/BLK	

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	CB1

EMERGENCY VEHICLE PREEMPTION AND UF 2-12 CONFIRMATION	
FROM	TO
CB1	SB2
SB2	HEAD B
CB1	SB4
SB4	HEAD A
CB1	SB6
SB6	HEAD B
CB1	SB8
SB8	HEAD A

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 12" LONGER THAN THE UNGROUNDED
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
4. "OTHER" COLUMN MAY INCLUDE SHADOW BOX (BLANK OUT) SIGN.
5. SPV.0090.307 IS WIRED FROM CONTROLLER CABINET TO METER PEDESTAL

2



LEGEND

- CONTROL CABINET
- TRAFFIC SIGNAL POLE
- SIGNAL STANDARD
- 40' CLASS 4 WOOD POLE
- MOVEABLE SIGNAL STANDARD
- UNDERGROUND CABLE IN SERVICE
- OVERHEAD TRAFFIC CABLE

FOR INFORMATION ONLY
INSTALLATION BY OTHERS

TRAFFIC CONTROL SIGNAL
NORTH HUMBOLDT BLVD
& EAST BURLEIGH ST
LOCAL STREET

CITY OF MILWAUKEE,MILWAUKEE COUNTY

MUNICIPAL CONTACT: SCOTT REINBACHER
DESIGNED BY: CITY OF MILWAUKEE-DPW
REVISED BY:

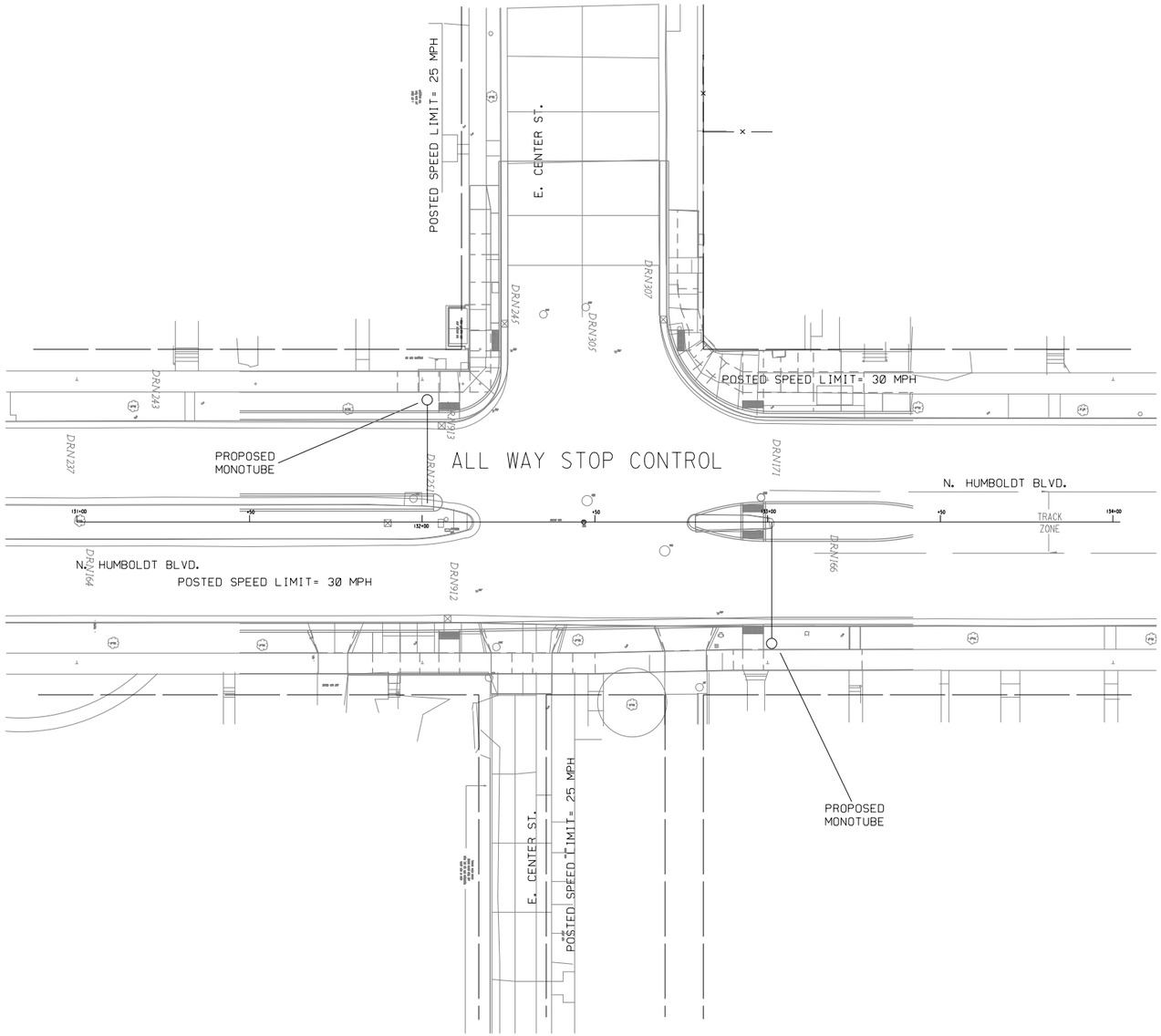
PAGE 1 OF 1

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 236	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\HUMBOLDT N-K For State\Humboldt Temporary Signals.dgn PLOT DATE : 1-NOV-2021 13:15 PLOT BY : jbondo PLOT NAME : PLOT SCALE : 1:40
WISDOT/CADDS SHEET 42

2

N



LEGEND

- CONTROL CABINET
- TRAFFIC SIGNAL POLE
- SIGNAL STANDARD
- 40' CLASS 4 WOOD POLE
- MOVEABLE SIGNAL STANDARD
- UNDERGROUND CABLE IN SERVICE
- OVERHEAD TRAFFIC CABLE

FOR INFORMATION ONLY
INSTALLATION BY OTHERS

TRAFFIC CONTROL SIGNAL
NORTH HUMBOLDT BLVD
& EAST CENTER ST
LOCAL STREET

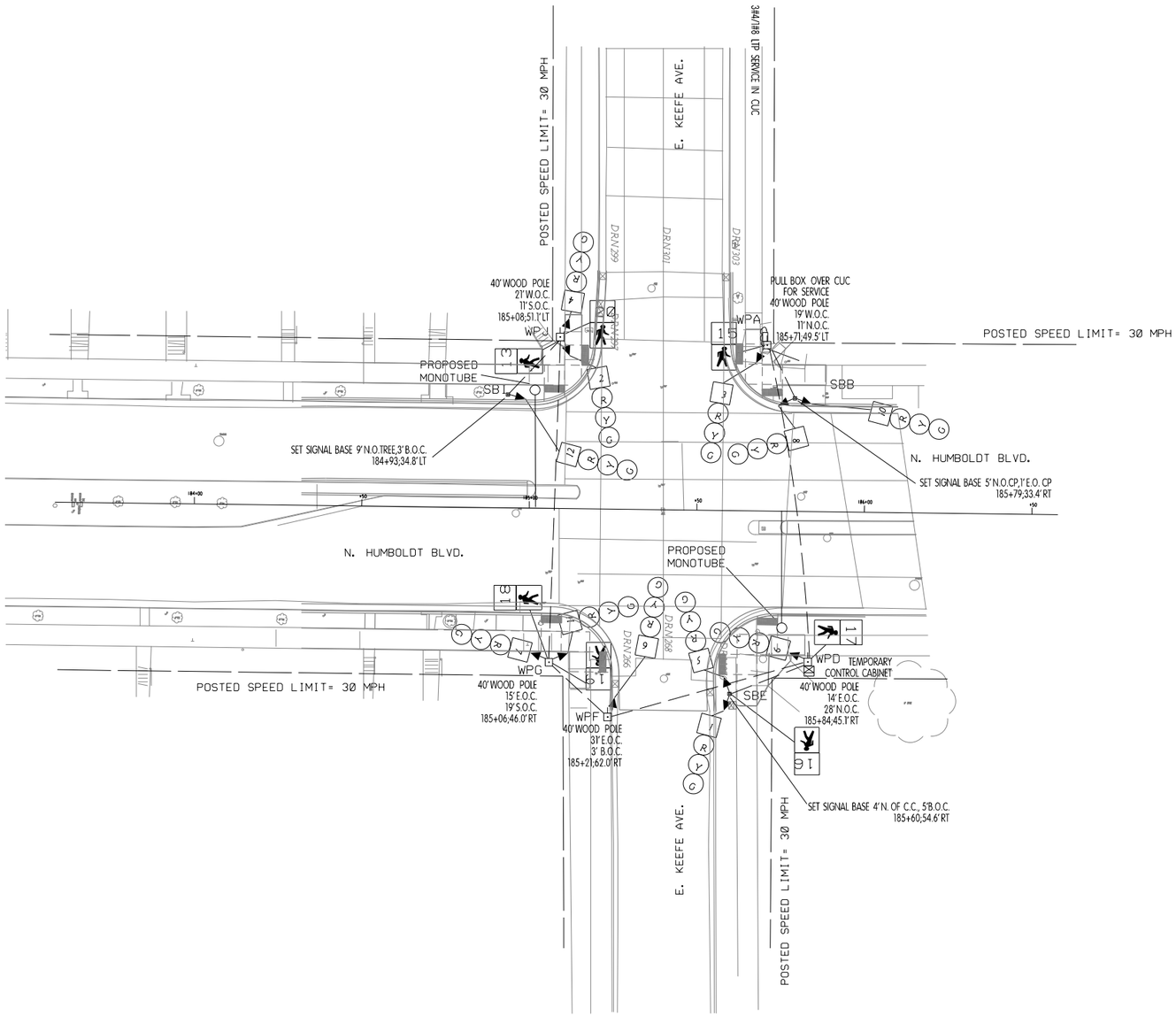
CITY OF MILWAUKEE,MILWAUKEE COUNTY

MUNICIPAL CONTACT: SCOTT REINBACHER
DESIGNED BY: CITY OF MILWAUKEE-DPW
REVISED BY:

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 237	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\HUMBOLDT N-K For State\Humboldt Temporary Signals.dgn PLOT DATE : 31-OCT-2021 14:26
PLOT BY : jbondo PLOT NAME : PLOT SCALE : 1:40
WISDOT/CADDS SHEET 42

2



LEGEND

- CONTROL CABINET
- TRAFFIC SIGNAL POLE
- SIGNAL STANDARD
- 40' CLASS 4 WOOD POLE
- MOVEABLE SIGNAL STANDARD
- UNDERGROUND CABLE IN SERVICE
- OVERHEAD TRAFFIC CABLE

FOR INFORMATION ONLY
INSTALLATION BY OTHERS

TRAFFIC CONTROL SIGNAL
NORTH HUMBOLDT BLVD
& EAST KEEFE AVE
LOCAL STREET

CITY OF MILWAUKEE, MILWAUKEE COUNTY

MUNICIPAL CONTACT: SCOTT REINBACHER
DESIGNED BY: CITY OF MILWAUKEE-DPW
REVISED BY:

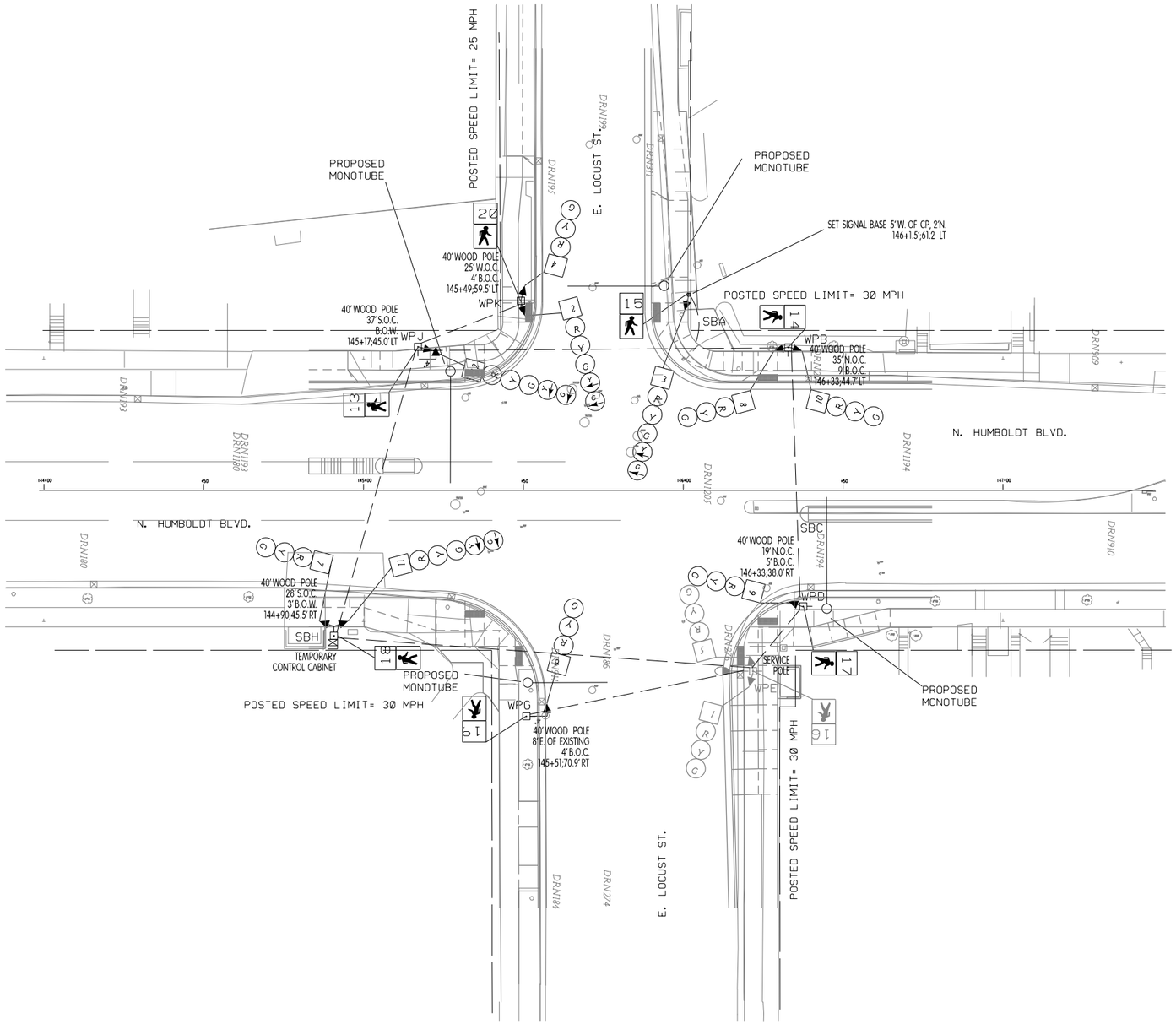
PAGE 1 OF 1

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 238	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\HUMBOLDT N-K For State\Humboldt Temporary Signals.dgn PLOT DATE : 1-NOV-2021 13:16 PLOT BY : jbondo PLOT NAME : PLOT SCALE : 1:40

2

N



LEGEND

- CONTROL CABINET
- TRAFFIC SIGNAL POLE
- SIGNAL STANDARD
- 40' CLASS 4 WOOD POLE
- MOVEABLE SIGNAL STANDARD
- UNDERGROUND CABLE IN SERVICE
- OVERHEAD TRAFFIC CABLE

FOR INFORMATION ONLY
INSTALLATION BY OTHERS

TRAFFIC CONTROL SIGNAL
NORTH HUMBOLDT BLVD
& EAST LOCUST ST
LOCAL STREET

CITY OF MILWAUKEE, MILWAUKEE COUNTY

MUNICIPAL CONTACT: SCOTT REINBACHER
DESIGNED BY: CITY OF MILWAUKEE-DPW
REVISED BY:

PAGE 1 OF 1

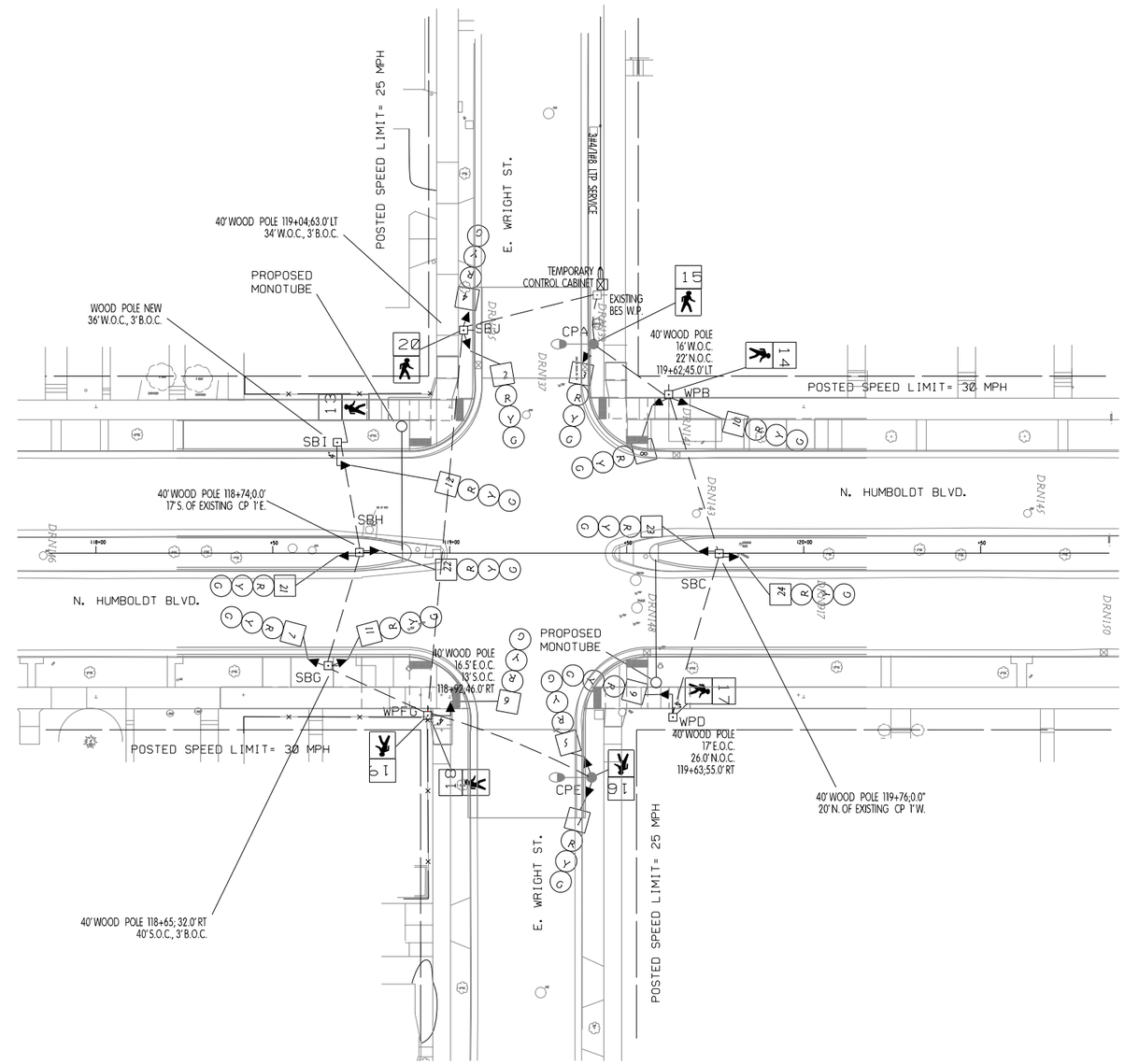
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 239	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\HUMBOLDT N-K For State\Humboldt Temporary Signals.dgn PLOT DATE : 1-NOV-2021 13:14 PLOT BY : jbondo PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

N



LEGEND

- CONTROL CABINET
- TRAFFIC SIGNAL POLE
- SIGNAL STANDARD
- 40' CLASS 4 WOOD POLE
- MOVEABLE SIGNAL STANDARD
- UNDERGROUND CABLE IN SERVICE
- OVERHEAD TRAFFIC CABLE

FOR INFORMATION ONLY
INSTALLATION BY OTHERS

TRAFFIC CONTROL SIGNAL
NORTH HUMBOLDT BLVD
& EAST WRIGHT ST
LOCAL STREET

CITY OF MILWAUKEE, MILWAUKEE COUNTY

MUNICIPAL CONTACT: SCOTT REINBACHER
DESIGNED BY: CITY OF MILWAUKEE-DPW
REVISED BY:

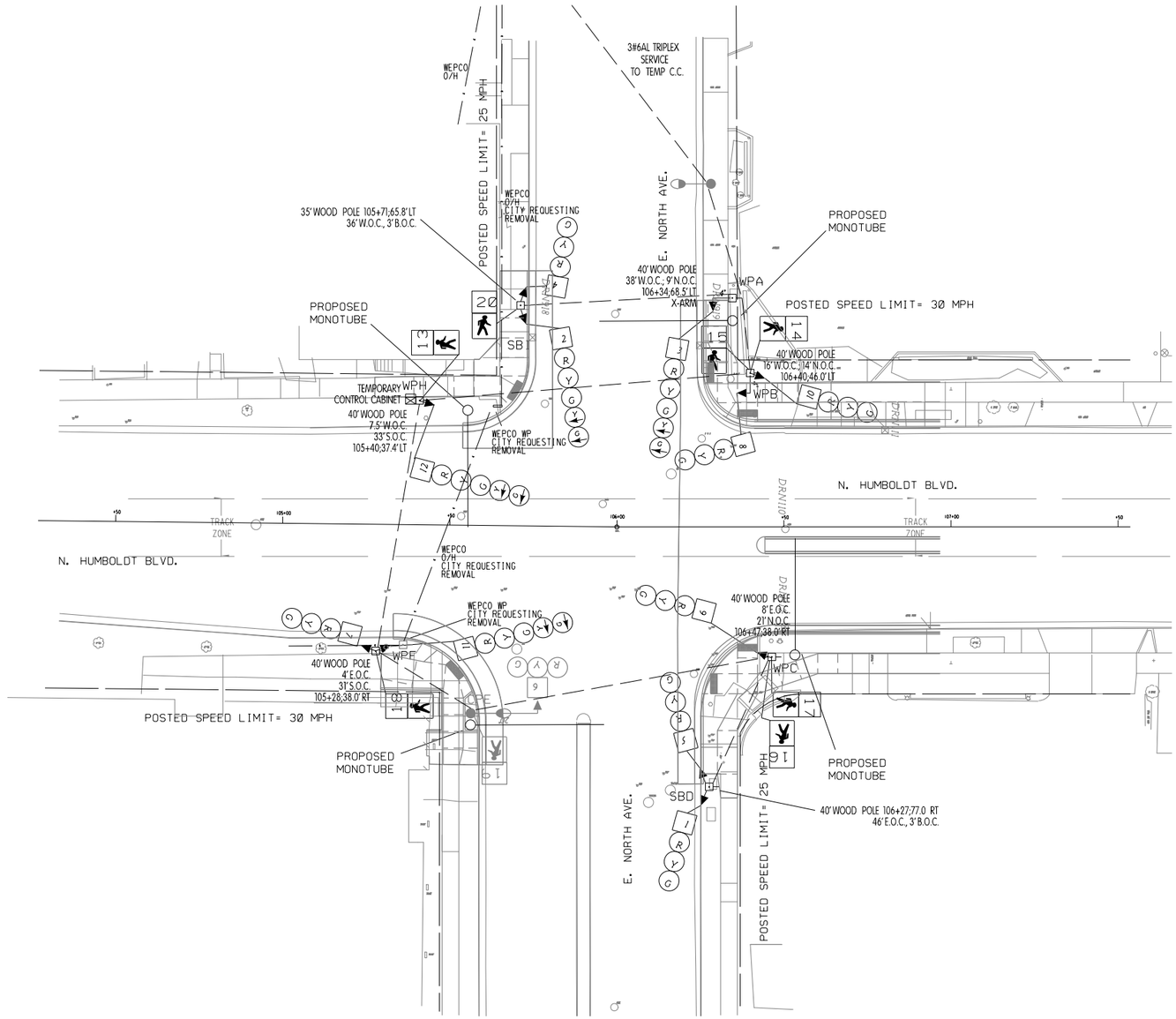
PAGE 1 OF 1

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 240	E

FILE NAME : W:\bte\signals\PAVING AND DESIGN\State Projects-LFA\Preliminary Engineering\2667-03-01 Humboldt North to Keefe\HUMBOLDT N-K For State\Humboldt Temporary Signals.dgn PLOT DATE : 1-NOV-2021 13:13
PLOT BY : jbondo
PLOT NAME :
PLOT SCALE : 1:40
WISDOT/CADDS SHEET 42

2

N



LEGEND

- CONTROL CABINET
- TRAFFIC SIGNAL POLE
- SIGNAL STANDARD
- 40' CLASS 4 WOOD POLE
- MOVEABLE SIGNAL STANDARD
- UNDERGROUND CABLE IN SERVICE
- OVERHEAD TRAFFIC CABLE

FOR INFORMATION ONLY
INSTALLATION BY OTHERS

TRAFFIC CONTROL SIGNAL
NORTH HUMBOLDT BLVD
& EAST NORTH AVE
LOCAL STREET

CITY OF MILWAUKEE, MILWAUKEE COUNTY

MUNICIPAL CONTACT: SCOTT REINBACHER
DESIGNED BY: CITY OF MILWAUKEE-DPW
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN	SCALE FEET 0 40	SHEET 241	E

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N

FIBER OPTIC SPLICE COIL
FIBER OPTIC SPLICE CASE
INSTALLED UNDER OTHER WORK ORDER

INSTALL FIBER OPTIC CABLE
OUTDOOR PLANT 72-CT
250 L.F. SLACK COIL
250 L.F. COIL FOR FUTURE EXPANSION

TRAFFIC CONTROL CABINET

FO

FO

FO

FO

E. NORTH AVE.

E. WALWORTH AVE.

SHEET 1 OF 13

2

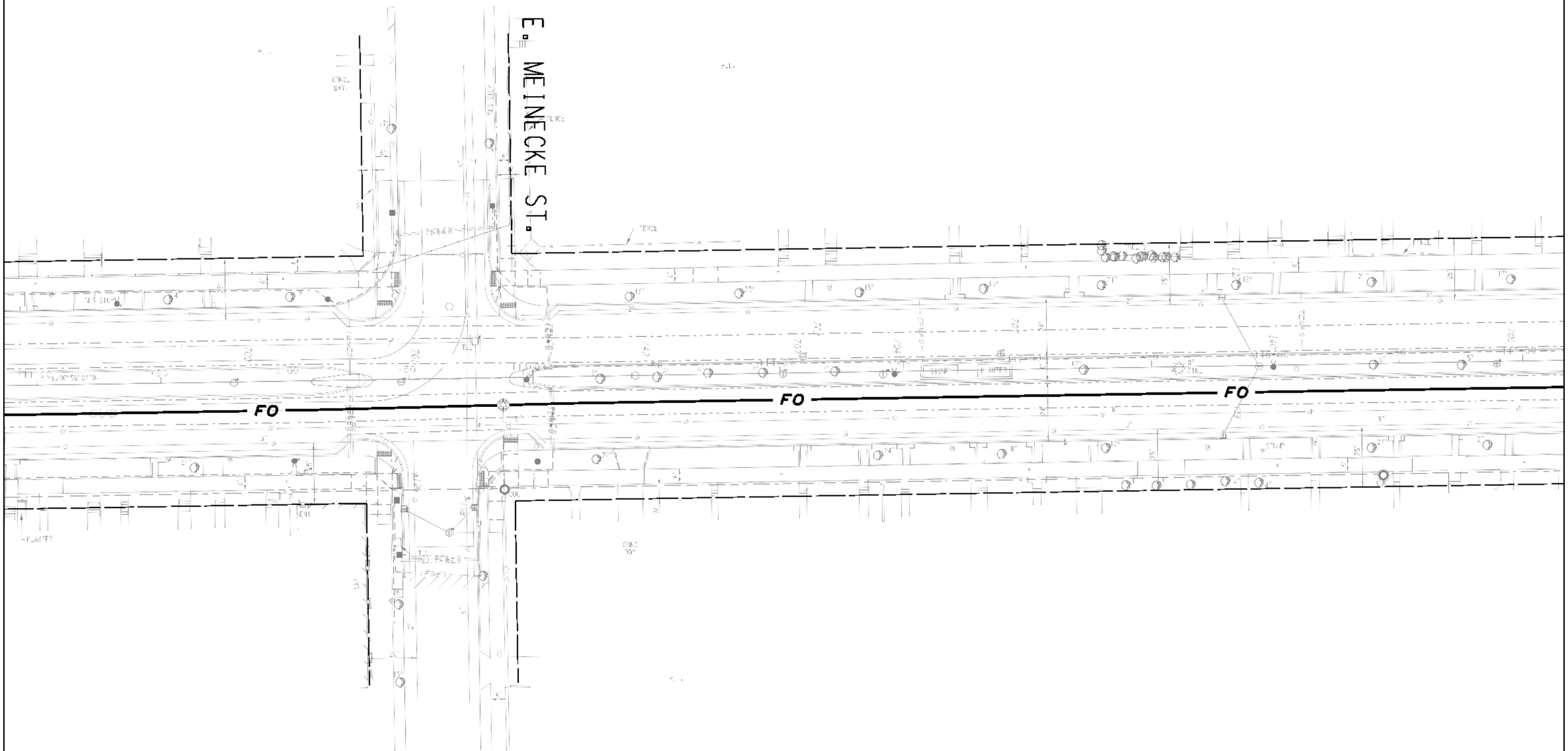
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 242	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...ploluser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N



SHEET 2 OF 13

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 243	E

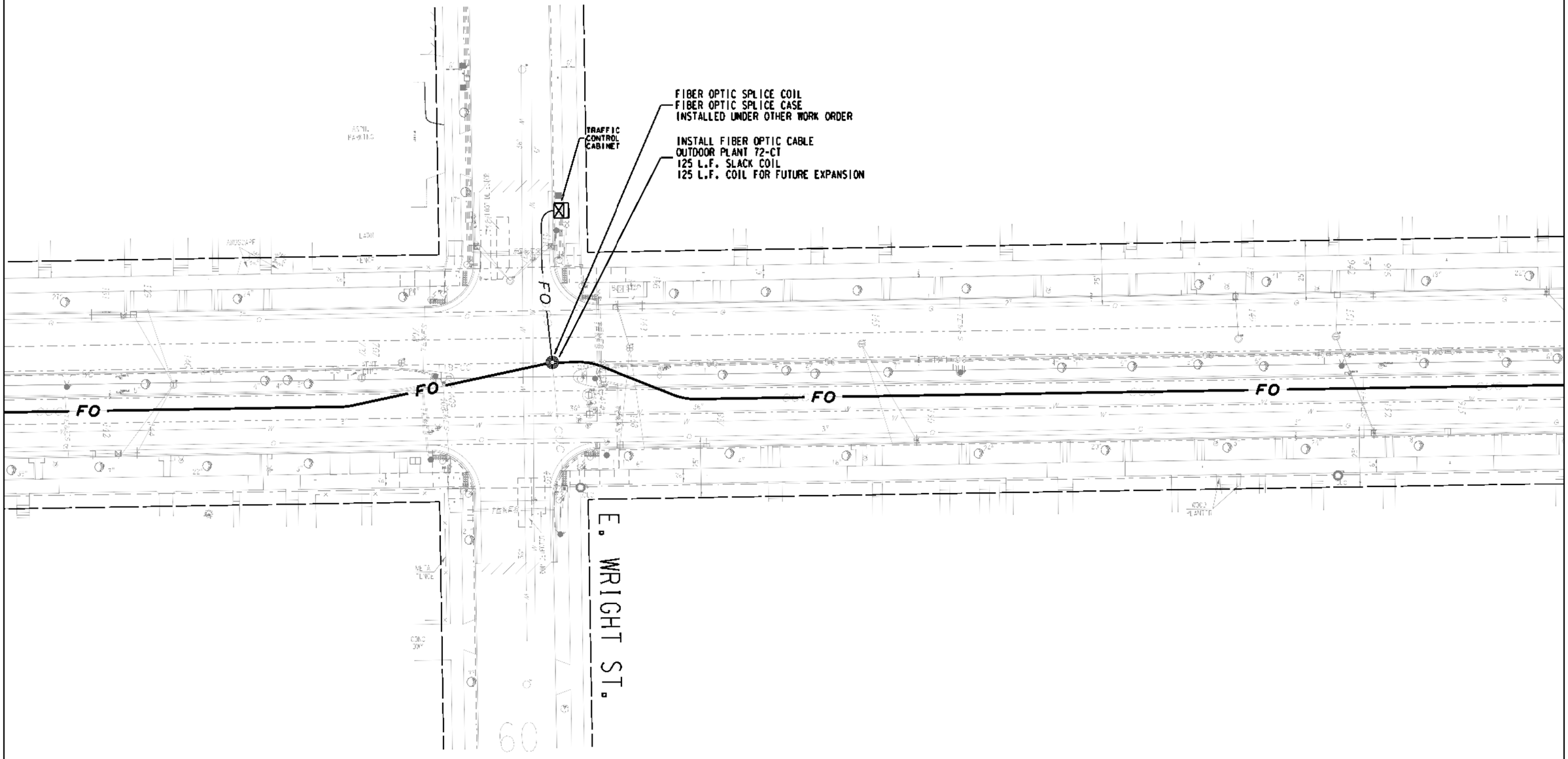
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WISDOT/CADDS SHEET 42

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N



SHEET 3 OF 13

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 244	E

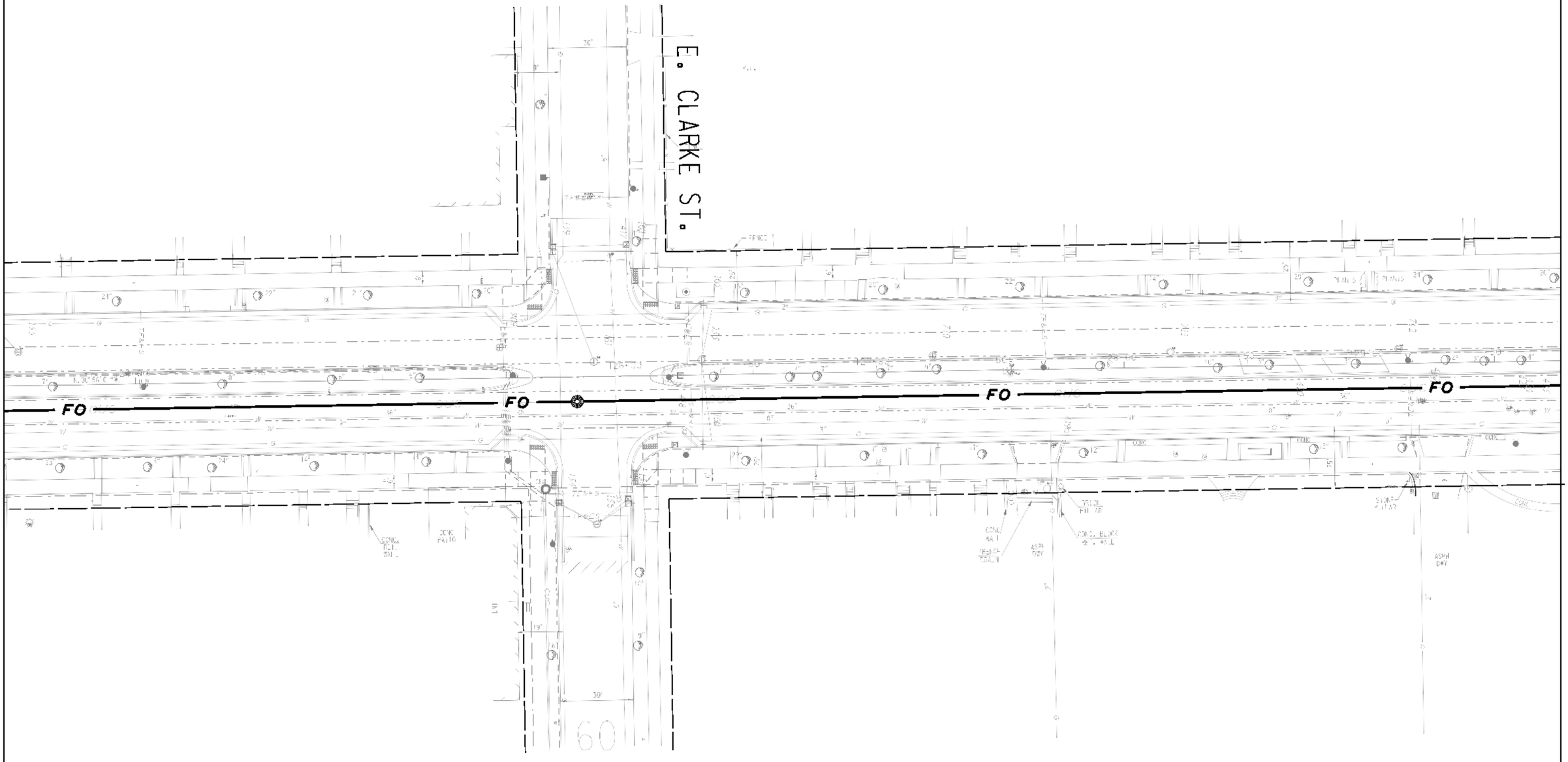
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WISDOT/CADDS SHEET 42

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N



SHEET 4 OF 13

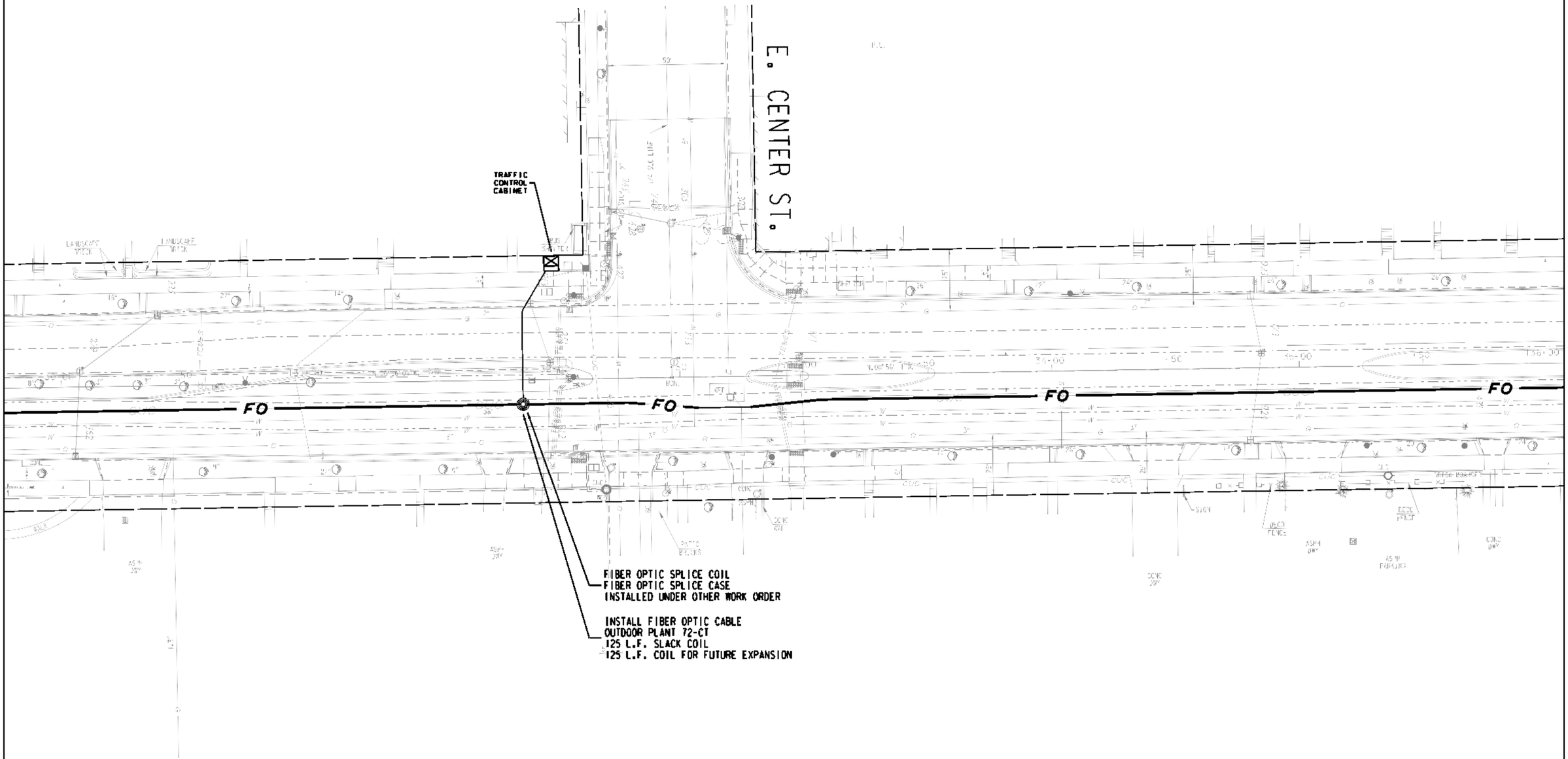
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 245	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...ploluser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N



2

SHEET 5 OF 13

PROJECT NO: N. HUMBOLDT BLVD.	HWY: LOCAL	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 246	E

FILE NAME : $$.....designfile.....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N



SHEET 6 OF 13

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 247	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...ploluser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N

FIBER OPTIC SPLICE COIL
FIBER OPTIC SPLICE CASE
INSTALLED UNDER OTHER WORK ORDER

INSTALL FIBER OPTIC CABLE
OUTDOOR PLANT 72-CT
250 L.F. SLACK COIL
250 L.F. COIL FOR FUTURE EXPANSION

FO

FO

FO

FO

TRAFFIC CONTROL CABINET

E. LOCUST ST.

SHEET 7 OF 13

2

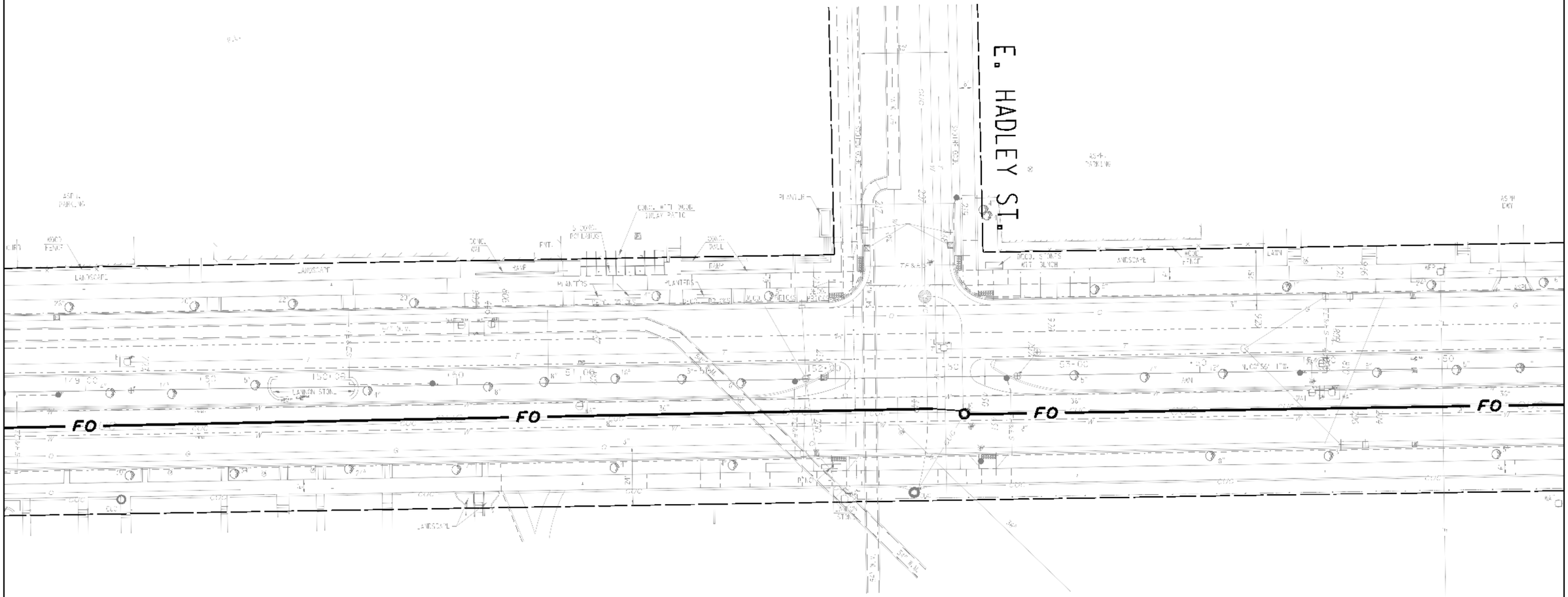
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 248	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N



SHEET 8 OF 13

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 249	E

FILE NAME : $$.....designfile.....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N

FIBER OPTIC SPLICE COIL
FIBER OPTIC SPLICE CASE
INSTALLED UNDER OTHER WORK ORDER

INSTALL FIBER OPTIC CABLE
OUTDOOR PLANT 72-CT
125 L.F. SLACK COIL
125 L.F. COIL FOR FUTURE EXPANSION

E. BURLEIGH ST.

E. CHAMBERS ST.

FO

FO

FO

TRAFFIC CONTROL CABINET

SHEET 9 OF 13

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 250	E

FILE NAME : $$.....designfile.....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N

E. AUER ST.

FIBER OPTIC SPLICE COIL
FIBER OPTIC SPLICE CASE
INSTALLED UNDER OTHER WORK ORDER

INSTALL FIBER OPTIC CABLE
OUTDOOR PLANT 72-CT
50 L.F. SLACK COIL

FO

SHEET 10 OF 13

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 251	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N

E. CONCORDIA AVE.

FO FO FO

SHEET 11 OF 13

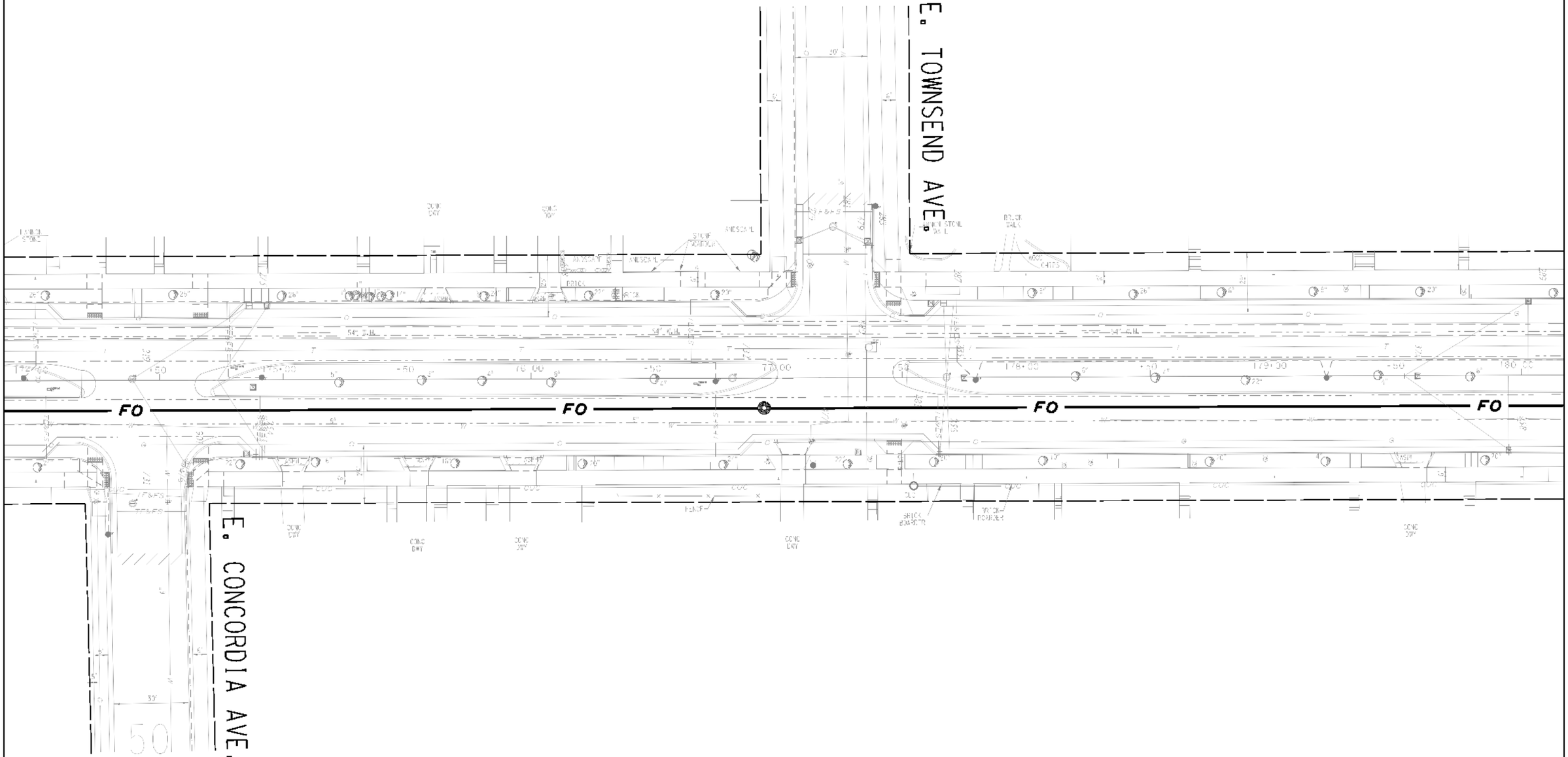
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 252	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...ploluser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS

N



SHEET 12 OF 13

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 253	E

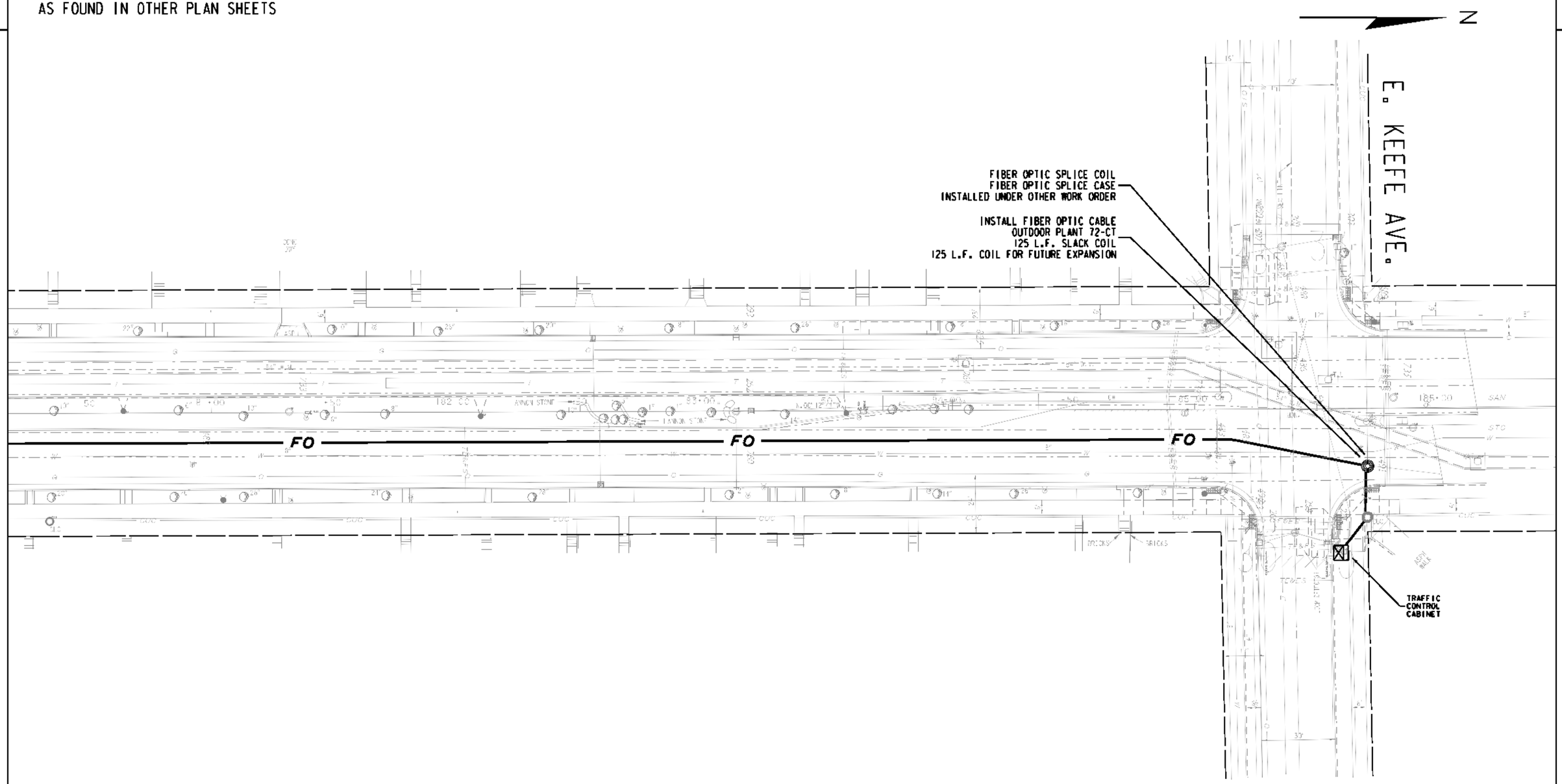
FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

2

FIBER OPTIC CABLE OUTDOOR PLANT 72-CT —— FO ——
IN PROPOSED UNDERGROUND CONDUIT (CUC)
AS FOUND IN OTHER PLAN SHEETS



2

SHEET 13 OF 13

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC INTERCONNECT PLAN	SHEET 254	E

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...ploituser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

N

NORTH HUMBOLDT BLVD.

BP GAS STATION

ADJUST COVER
EXISTING CUC MANHOLE 602
STA. 105+78.2, 36.9' RT.

ADJUST COVER
EXISTING CUC MANHOLE 604
STA. 106+25.1, 26.5' LT.

659'
6-4"PVC CONDUIT
CEMENT ENCASED

32'
1-4"PVC CONDUIT
CEMENT ENCASED

PROPOSED TRAFFIC
CABINET BY OTHERS

25'
3-4"PVC CONDUIT
CEMENT ENCASED

30'
2-4"PVC CONDUIT
CEMENT ENCASED

℄PT. STA. 107+65.6, 14.0' RT.

℄PT. STA. 108+30.9, 11.8' RT.

EXISTING CUC MANHOLE 603
STA. 105+70.5, 36.5' LT.

PROPOSED CUC MANHOLE 605
STA. 106+24.6, 14.0' RT.
5' DIAMETER DOGHOUSE MANHOLE

ADJUST COVER
EXISTING CUC MANHOLE 603
STA. 106+23.5, 43.9' LT.

ABANDON CUC MANHOLE 606A
STA. 109+11.6, 45.3' LT.

N. NORTH AVE.

E. WALWORTH ST.

105+00 106+00 107+00 108+00 109+00 110+0

NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
▣	EXISTING CUC MANHOLE
—— cuc ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 1 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40'	SHEET NO: 255 E

FILE NAME : W:\ugd\Conduit Work Files\uconduit\2019\North Humboldt Bl– North to Keefe\dgn\STA 00–05.dgn
PEN TABLE : W:\ugd\Conduit Work Files_PenTables\e_cuc–St_gshade.pen
PLOT DATE : 1–NOV–2021 15:15
COLOR TABLE : Q:\software\clrlib\ugd.tbl
PLOT BY : krogne
PLOT NAME :
PLOT SCALE : 1:40

2

2

N

NORTH HUMBOLDT BLVD.

P.L.

CONC. DWY.

BUS STOP

FENCE

608'
6-4"PVC CONDUIT
CEMENT ENCASED

PROPOSED CUC MANHOLE 607
STA. 112+88.0, 11.0'RT.
4' DIAMETER MANHOLE

FENCE

CONC.

BUS STOP

TREE'S

10+00 +50 111+00 +50 112+00 +50 113+00 +50 114+00 +50 115+00 +50 116+00

CUC CUC CUC CUC

PLANTER

30'
2-4"PVC CONDUIT
CEMENT ENCASED

E. MEINECKE AVE.

ADJUST COVER
EXISTING CUC MANHOLE 608
STA. 112+87.8, 45.3'RT.

NOTES:

1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
⊡	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 2 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40'	SHEET NO: 256 E

FILE NAME : W:\ugd\Condult Work Files\ucondult\2019\North Humboldt Bl– North to Keefe\dgn\STA 05–11.dgn
PEN TABLE : W:\ugd\Conduit Work Files_PenTables\e_cuc–St_gshade.pen
PLOT DATE : 1–NOV–2021 03:18
COLOR TABLE : Q:\software\clrlib\ugd.tbl
PLOT BY : krogne
PLOT NAME :
PLOT SCALE : 1:40

2

2

N

NORTH HUMBOLDT BLVD.

PROPOSED CUC MANHOLE 610
STA. 119+00.0, 10.8' RT.
4' DIAMETER MANHOLE

25'
8-4"PVC CONDUIT
CEMENT ENCASED

PROPOSED TRAFFIC
CABINET BY OTHERS

70'
2-4"PVC CONDUIT
CEMENT ENCASED

650'
6-4"PVC CONDUIT
CEMENT ENCASED

70'
2-4"PVC CONDUIT
CEMENT ENCASED

EXISTING POLICE CALL BOX
STA. 119+42.1, 45.5' RT.

ABANDON CUC MANHOLE 611A
STA. 119+48.7, 45.1' RT.

E. WRIGHT AVE.

ASPH. PARKING
LANDSCAPE
LAWN
CONC DWY
P.L.
LOOP DETECTOR
BLDG
TOP
CUC
CMB
TEL&ES
SEWER
116+00 +50 117+00 +50 118+00 +50 119+00 +50 120+00 +50 121+00 +50 122+00

1. 22.5°, 12.5' RADIUS HUB
STA. 119+06.7, 1.7' LT.

2. 65°, 12.5' RADIUS HUB
STA. 119+21.4, 7.9' LT.

3. 22.5°, 12.5' RADIUS HUB
STA. 119+31.8, 14.9' RT.

4. 90°, 12.5' RADIUS HUB
STA. 119+29.5, 23.3' RT.

5. 90°, 5' RADIUS HUB
STA. 119+39.7, 62.0' LT.

6. 30°, 12.5' RADIUS HUB
STA. 119+51.8, 14.9 RT.

7. 30°, 12.5' RADIUS HUB
STA. 119+68.6, 4.5' LT.

NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
▣	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 3 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40'	SHEET NO: 257 E

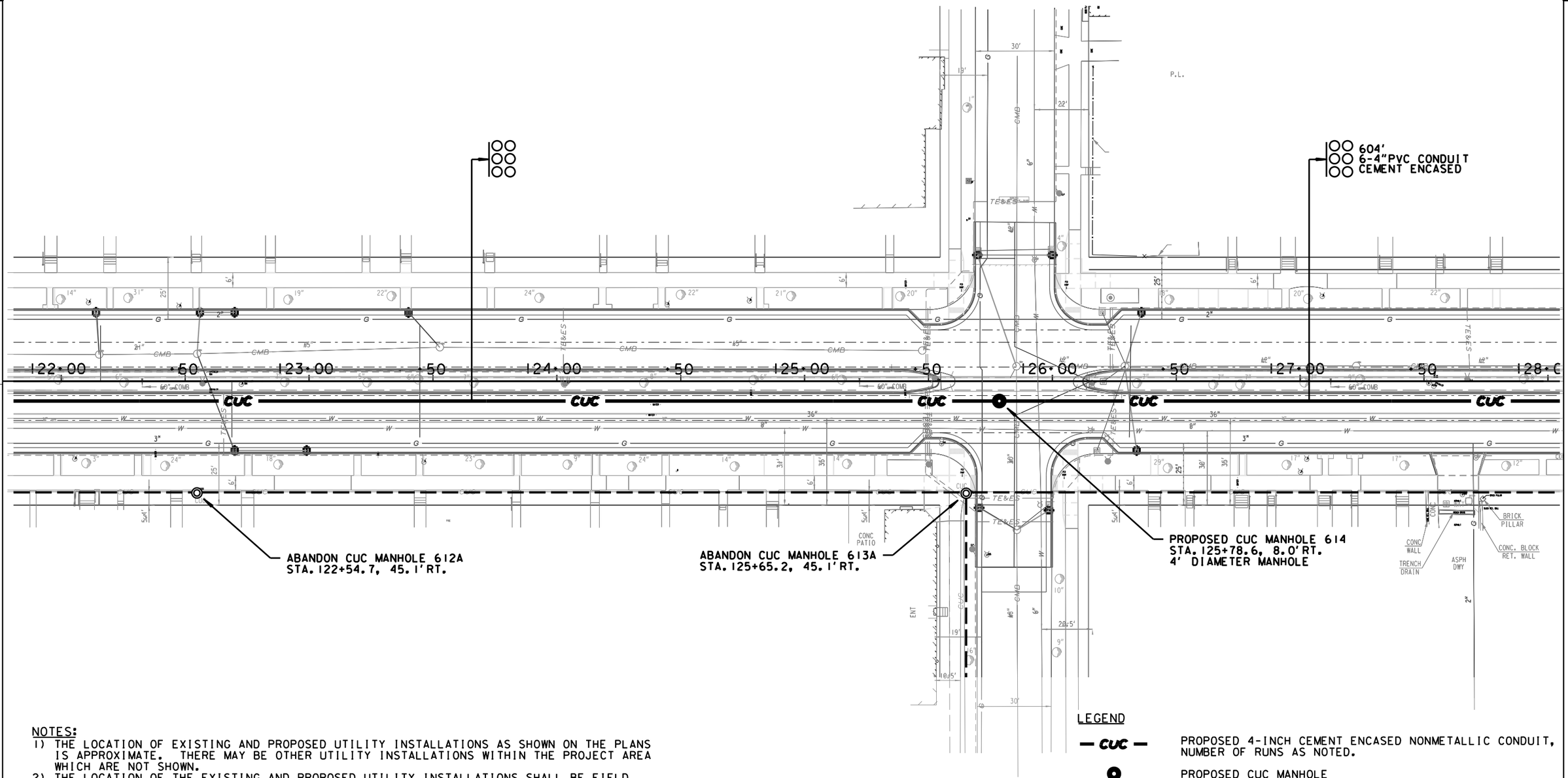
FILE NAME : W:\ugd\Conduit Work Files\uconduit\2019\North Humboldt Bl– North to Keefe\dgn\STA 11-17.dgn
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PLOT DATE : 1-NOV-2021 05:04 PLOT BY : krogne PLOT NAME : PLOT SCALE : 1:40
COLOR TABLE : Q:\software\clrlib\ugd.tbl

2

2

N

NORTH HUMBOLDT BLVD.



NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
⊡	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 4 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40'	SHEET NO: 258 E

FILE NAME : W:\ugd\Condult Work Files\ucondult\2019\North Humboldt Bl– North to Keefe\dgn\STA 17–23.dgn
PEN TABLE : W:\ugd\Conduit Work Files_PenTables\e_cuc–St_gshade.pen
PLOT DATE : 1–NOV–2021 05:22
COLOR TABLE : Q:\software\clrlib\ugd.tbl
PLOT BY : krogne
PLOT NAME :
PLOT SCALE : 1:40

2

2

N

NORTH HUMBOLDT BLVD.

72.5°, 12.5' RADIUS BEND
STA. 133+46.9, 26.7' RT.

45°, 12.5' RADIUS BEND
STA. 133+46.9, 28.1' LT.

25'
2-4"PVC CONDUIT
CEMENT ENCASED

32'
3-4"PVC CONDUIT
CEMENT ENCASED

PROPOSED TRAFFIC
CABINET BY OTHERS

716'
6-4"PVC CONDUIT
CEMENT ENCASED

36'
2-4"PVC CONDUIT
CEMENT ENCASED

128+00 129+00 130+00 131+00 132+00 133+00 134+00

ABANDON CUC MANHOLE 615A
STA. 129+44.4, 45.1' RT.

PROPOSED CUC MANHOLE 616
STA. 131+84.3, 08.0' RT.
4' DIAMETER MANHOLE

ABANDON CUC MANHOLE 617A
STA. 132+19.3, 45.1' RT.

5° BENDS

STA. 132+05.6, 8.0 RT
STA. 132+57.4, 12.5 RT
STA. 132+78.4, 12.5 RT
STA. 133+06.8, 10.0 RT

E. CENTER ST.

LANDSCAPE BRICK
PLANTS
BUS SHELTER
SHELTER
BLOCK WALL
ASPH DWY
CONC WALK
CONC WALL
PATIO BRICKS
CONC/ASPH DWY
P.L.
1/4 SEC LINE

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
◻	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

SHEET 5 OF 18

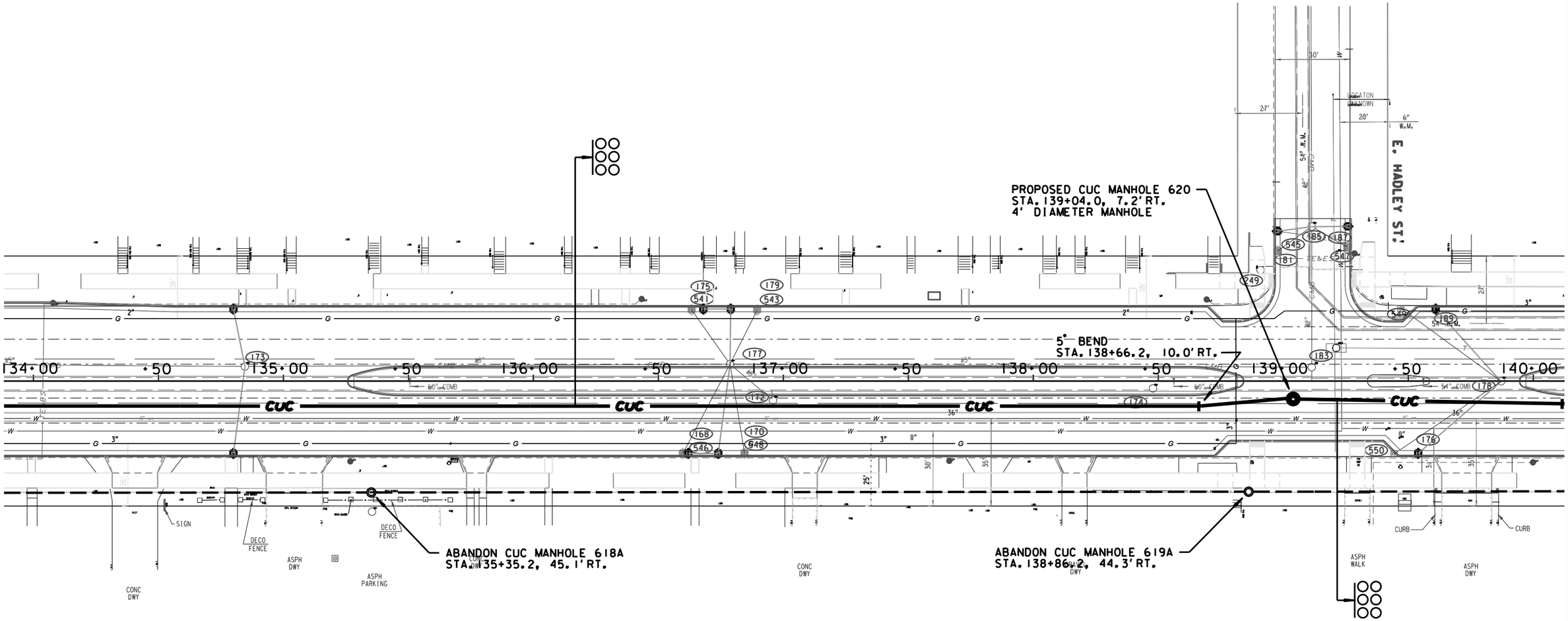
STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0 40	SHEET NO: 259	E

FILE NAME : W:\ugd\Conduit Work Files\uconduit\2019\North Humboldt Bl- North to Keefe\dgn\STA 23-29.dgn
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PLOT DATE : 1-NOV-2021 06:12
COLOR TABLE : Q:\software\clrlib\ugd.tbl
PLOT BY : krogne
PLOT NAME :
PLOT SCALE : 1:40

2

N

NORTH HUMBOLDT BLVD.



NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH THE SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
▣	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 6 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40	SHEET NO: 260 E

FILE NAME : W:\ugd\Conduit Work Files\ucondult\2019\North Humboldt Bl– North to Keefe\dgn\STA 29–35.dgn
PEN TABLE : W:\ugd\Conduit Work Files_PenTables\e_cuc–St_gshade.pen
PLOT DATE : 1–NOV–2021 15:28 PLOT BY : krogne PLOT NAME : PLOT SCALE : 1:40
COLOR TABLE : Q:\software\clrlib\ugd.tbl

2

N

NORTH HUMBOLDT BLVD.

688'
6-4"PVC CONDUIT
CEMENT ENCASED

PROPOSED CUC MANHOLE 623
STA. 145+91.9, 25.3' RT.
5' DIAMETER DOGHOUSE MANHOLE

30°, 12.5' RADIUS HUB
STA. 145+60.4, 25.3' RT.

ABANDON CUC MANHOLE 621A
STA. 142+17.6, 44.6' RT.

PROPOSED TRAFFIC
CABINET BY OTHERS

53'
1-4"PVC CONDUIT
CEMENT ENCASED

ADJUST COVER
EXISTING CUC MANHOLE 622
STA. 145+48.7, 43.6' RT.

E. LOCUST ST

NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
◘	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 7 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0 40	SHEET NO: 261 E

FILE NAME : W:\ugd\Conduit Work Files\ucondult\2019\North Humboldt Bl– North to Keefe\dgn\STA 104–146.dgn
PEN TABLE : W:\ugd\Conduit Work Files_PenTables\e_cuc–St_gshade.pen
PLOT DATE : 1–NOV–2021 11:37 PLOT BY : krogne PLOT NAME : PLOT SCALE : 1:40
COLOR TABLE : Q:\software\clrlib\ugd.tbl

2

2

N

NORTH HUMBOLDT BLVD.

656'
6-4"PVC CONDUIT
CEMENT ENCASED

ADJUST COVER
EXISTING CUC MANHOLE 624
STA. 149+13.7, 44.2' LT.

LANDSCAPE WALL
STONES
PLANTERS
PLANTERS
ENT.
LANNON STONE
STONE BOARDER
STONE BOARDER
E. LOCUST ST.
LOCATON UNKNOWN
46+00 +50 147+00 +50 148+00 +50 149+00 +50 150+00 +50 151+00 +50 152+00

NOTES:
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4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLING LOWER TO CROSS BENEATH SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
◻	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 8 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40'	SHEET NO: 262 E

FILE NAME : W:\ugd\Condult Work Files\ucondult\2019\North Humboldt Bl– North to Keefe\dgn\STA 41–47.dgn
PEN TABLE : W:\ugd\Conduit Work Files_PenTables\e_cuc–St_gshade.pen
PLOT DATE : 1–NOV–2021 11:17 PLOT BY : krogne PLOT NAME : PLOT SCALE : 1:40
COLOR TABLE : Q:\software\clrlib\ugd.tbl

2

2

N

NORTH HUMBOLDT BLVD.

E. CHAMBERS AVE.

ASPH. PARKING

DECO. STONES WITH BENCH

LANDSCAPE

WOOD FENCE

LAWN

ASPH DWY

CONC DWY

DECO. BRICKS

310'
6-4"PVC CONDUIT
CEMENT ENCASED

PROPOSED CUC MANHOLE 628
STA. 155+68.5, 25.3' RT.
4' DIAMETER MANHOLE

302'
6-4"PVC CONDUIT
CEMENT ENCASED

152+00 +50 153+00 +50 154+00 +50 155+00 +50 156+00 +50 157+00 +50 158+00

ADJUST COVER
EXISTING CUC MANHOLE 626
STA. 152+34.0, 46.5' RT.

PROPOSED CUC MANHOLE 627
STA. 152+39.7, 32.6' RT.
4' DIAMETER MANHOLE

90°, 5' RADIUS HUB
STA. 152+34.7, 41.5' RT.

ADJUST COVER
EXISTING CUC MANHOLE 625
STA. 152+34.0, 46.5' RT.

35'
4-4"PVC CONDUIT
CEMENT ENCASED

5° BENDS
1. STA. 154+87.8, 25.3' RT.
2. STA. 155+33.5, 29.3' RT.

3. 11.25°, 12.5' RADIUS HUB
STA. 155+41.4, 16.8' RT.

28'
4-4"PVC CONDUIT
CEMENT ENCASED

ADJUST COVER
EXISTING CUC MANHOLE 630
STA. 155+84.3, 15.0' RT.

ADJUST COVER
EXISTING CUC MANHOLE 629
STA. 155+84.7, 43.7' RT.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
◻	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

SHEET 9 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40'	SHEET NO: 263 E

FILE NAME : W:\ugd\Conduit Work Files\ucondult\2019\North Humboldt Bl– North to Keefe\dgn\STA 47–53.dgn
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PLOT DATE : 1–NOV–2021 08:56
COLOR TABLE : Q:\software\clrlib\ugd.tbl
PLOT BY : krogne
PLOT NAME :
PLOT SCALE : 1:40

2

2

N

NORTH HUMBOLDT BLVD.

38'
8-4"PVC CONDUIT
CEMENT ENCASED

643'
6-4"PVC CONDUIT
CEMENT ENCASED

90°, 5' RADIUS HUB
STA. 159+14.6, 29.6' RT.

36'
2-4"PVC CONDUIT
CEMENT ENCASED

PROPOSED TRAFFIC CABINET
BY OTHERS

ADJUST COVER
EXISTING CUC MANHOLE 632
STA. 158+74.3, 46.6'RT.

PROPOSED CUC MANHOLE 631
STA. 158+74.4, 25.3'RT.
5' DIAMETER DOGHOUSE MANHOLE

ADJUST COVER
EXISTING CUC MANHOLE 633
STA. 162+31.4, 44.0'RT.

E. BURLEIGH ST.

158+00 +50 159+00 +50 160+00 +50 161+00 +50 162+00 +50 163+00 +50 164+00

NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3) DIMENSIONS SHOWN ARE TO CENTER OF MANHOLE, DUCT PACKAGE OR UTILITY.
4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
▣	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 10 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0 40	SHEET NO: 264 E

FILE NAME : W:\ugd\Conduit Work Files\uconduit\2019\North Humboldt Bl– North to Keefe\dgn\STA 53–59.dgn
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PLOT DATE : 1–NOV–2021 13:06 PLOT BY : krogne PLOT NAME : PLOT SCALE : 1:40
COLOR TABLE : Q:\software\clrlib\ugd.tbl

2

2

N

NORTH HUMBOLDT BLVD.

PROPOSED CUC MANHOLE 636
STA. 165+44.9, 29.5' RT.
4' DIAMETER MANHOLE

660'
6-4"PVC CONDUIT
CEMENT ENCASED

37'
2-4"PVC CONDUIT
CEMENT ENCASED

16'
2-4"PVC CONDUIT
CEMENT ENCASED

5° BEND
STA. 164+91.2, 24.3' RT.

REMOVE EXISTING CUC MANHOLE 634R
PROPOSED CUC MANHOLE 635
4' DIAMTER DOGHOUSE MANHOLE
STA. 165+36.5, 44.3' RT.

ADJUST COVER
EXISTING CUC MANHOLE 637
STA. 169+34.7, 43.9' RT.

1. 90 , 5' RADIUS HUB
STA. 165+42.1, 34.1' RT.

2. 11.25 , 12.5' RADIUS HUB
STA. 165+71.9, 36.7' RT.

3. 11.25 , 12.5' RADIUS HUB
STA. 166+36.9, 11.5' RT.

4. 11.25 , 12.5' RADIUS HUB
STA. 166+70.0, 24.7' RT.

E. AUER ST.

164+00 +50 165+00 +50 166+00 +50 167+00 +50 168+00 +50 169+00 +50 170+00

NOTES:
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2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
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4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS SEWER LATERALS.

LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
◻	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 11 OF 18

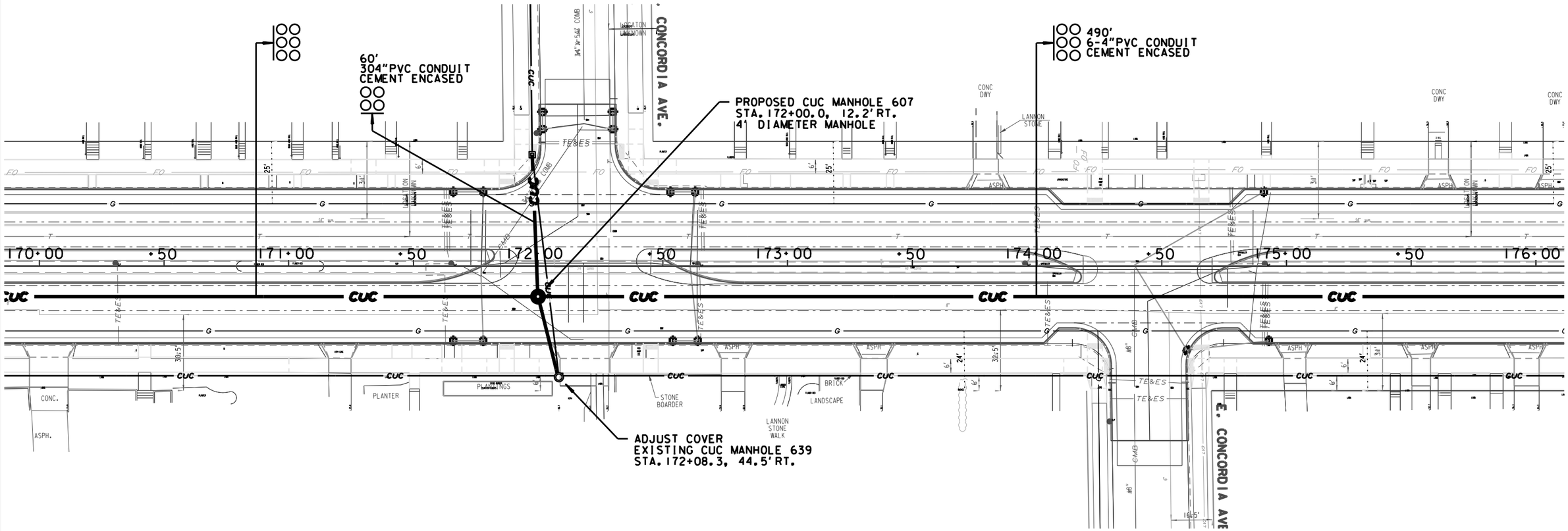
STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40'	SHEET NO: 265 E

FILE NAME : W:\ugd\Conduit Work Files\uconduit\2019\North Humboldt Bl– North to Keefe\dgn\STA 59–65.dgn
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COLOR TABLE : Q:\software\clrlib\ugd.tbl

2

N

NORTH HUMBOLDT BLVD.



NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2) THE LOCATION OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
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LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
◻	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 12 OF 18

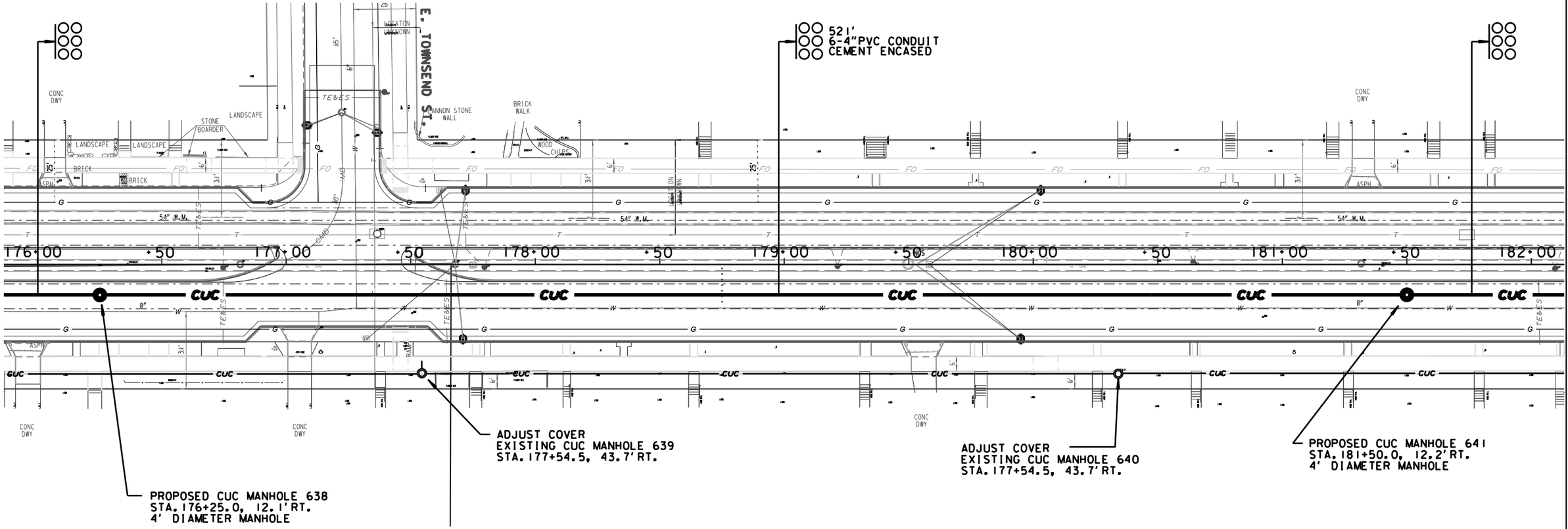
STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0 40	SHEET NO: 266 E

FILE NAME : W:\ugd\Condult Work Files\ucondult\2019\North Humboldt Bl– North to Keefe\dgn\STA 65–71.dgn
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PLOT BY : krogne
PLOT NAME :
PLOT SCALE : 1:40

2

N

NORTH HUMBOLDT BLVD.



NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
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LEGEND

— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
▣	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

SHEET 13 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0' 40'	SHEET NO: 267

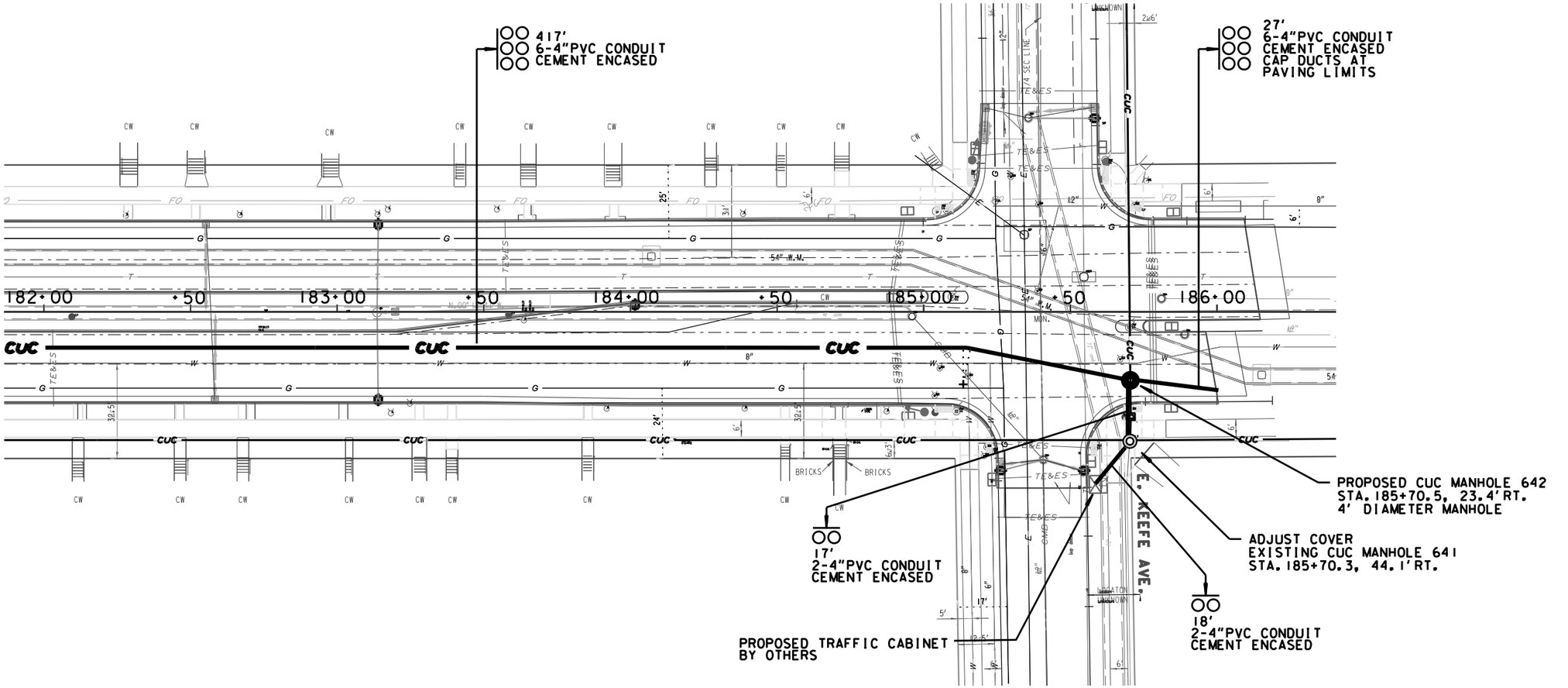
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2

2

N

NORTH HUMBOLDT BLVD.



LEGEND

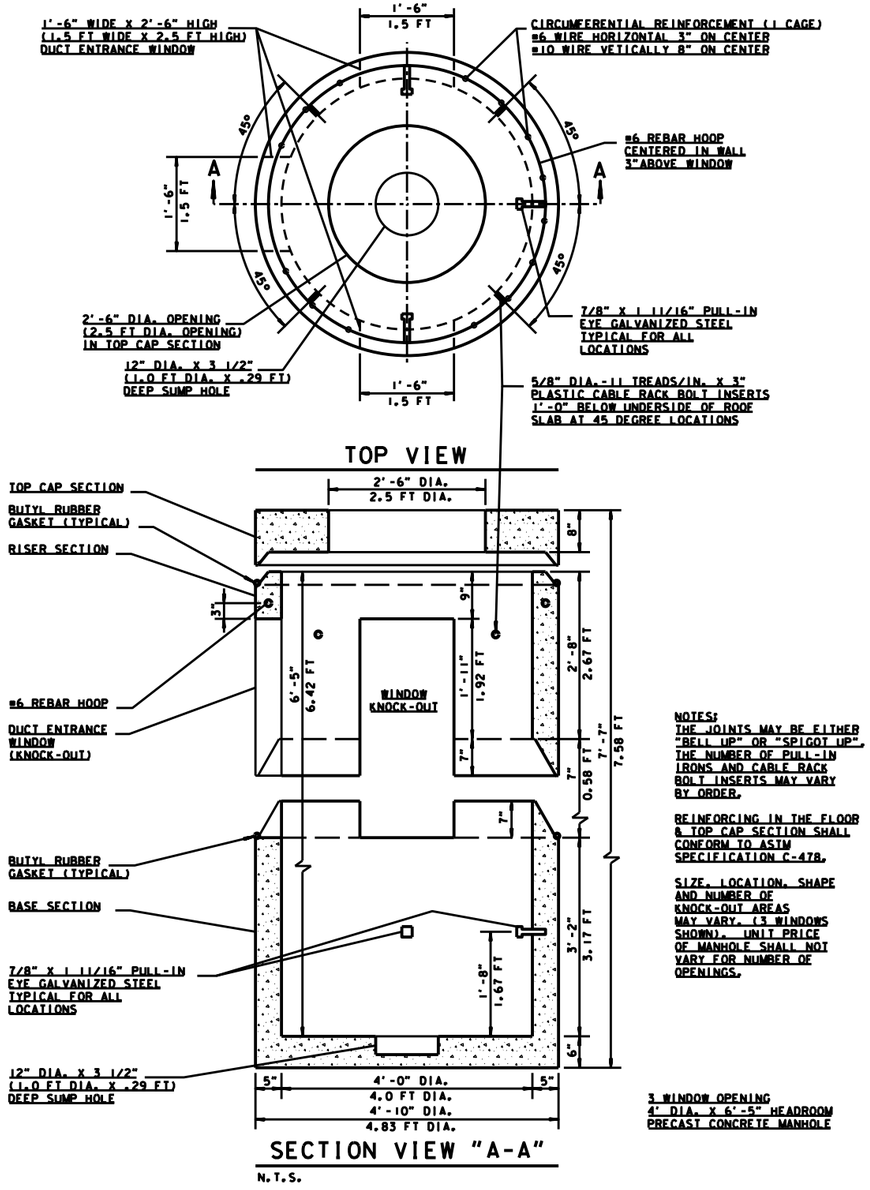
— CUC —	PROPOSED 4-INCH CEMENT ENCASED NONMETALLIC CONDUIT, NUMBER OF RUNS AS NOTED.
●	PROPOSED CUC MANHOLE
▣	EXISTING CUC MANHOLE
—— CUC ——	EXISTING CONDUIT
— — — ·	ABANDONED CONDUIT

NOTES:
1) THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
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4) MAINTAIN A STANDARD DEPTH OF 39-INCHES BETWEEN FINISHED GRADE AND TOP OF CONDUIT EXCEPT WHEN INSTALLED LOWER TO CROSS BENEATH SEWER LATERALS.

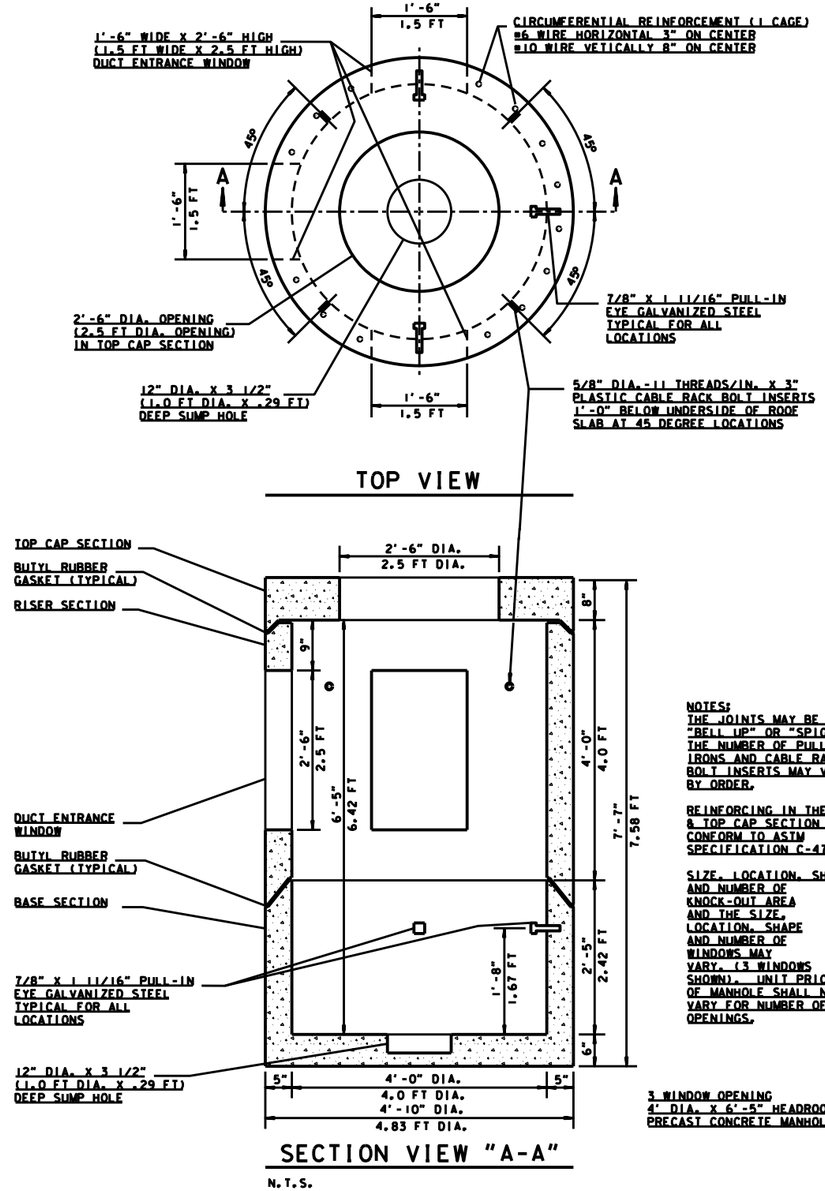
SHEET 14 OF 18

STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UG CONDUIT (CUC)	SCALE FEET 0 40	SHEET NO: 268 E

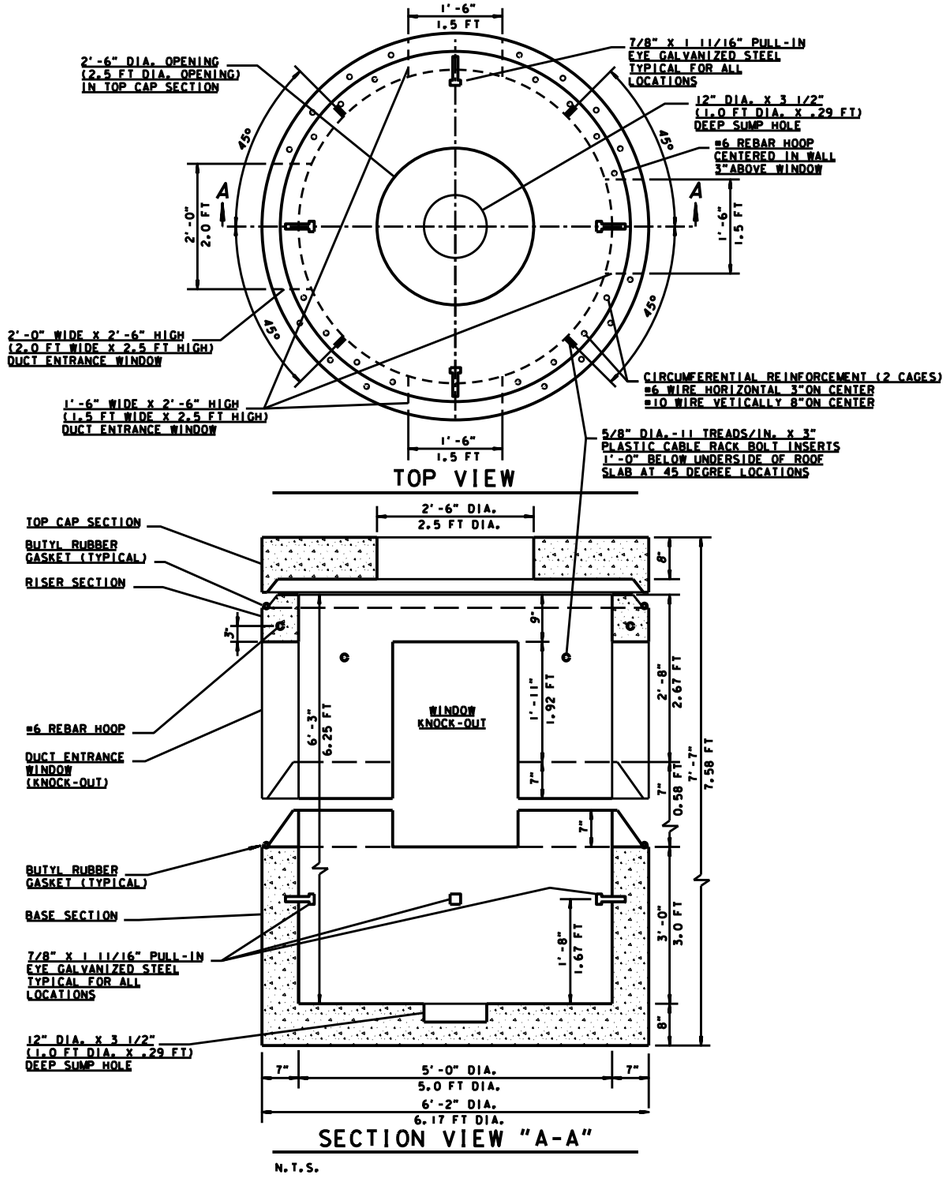
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PLOT NAME :
PLOT SCALE : 1:40



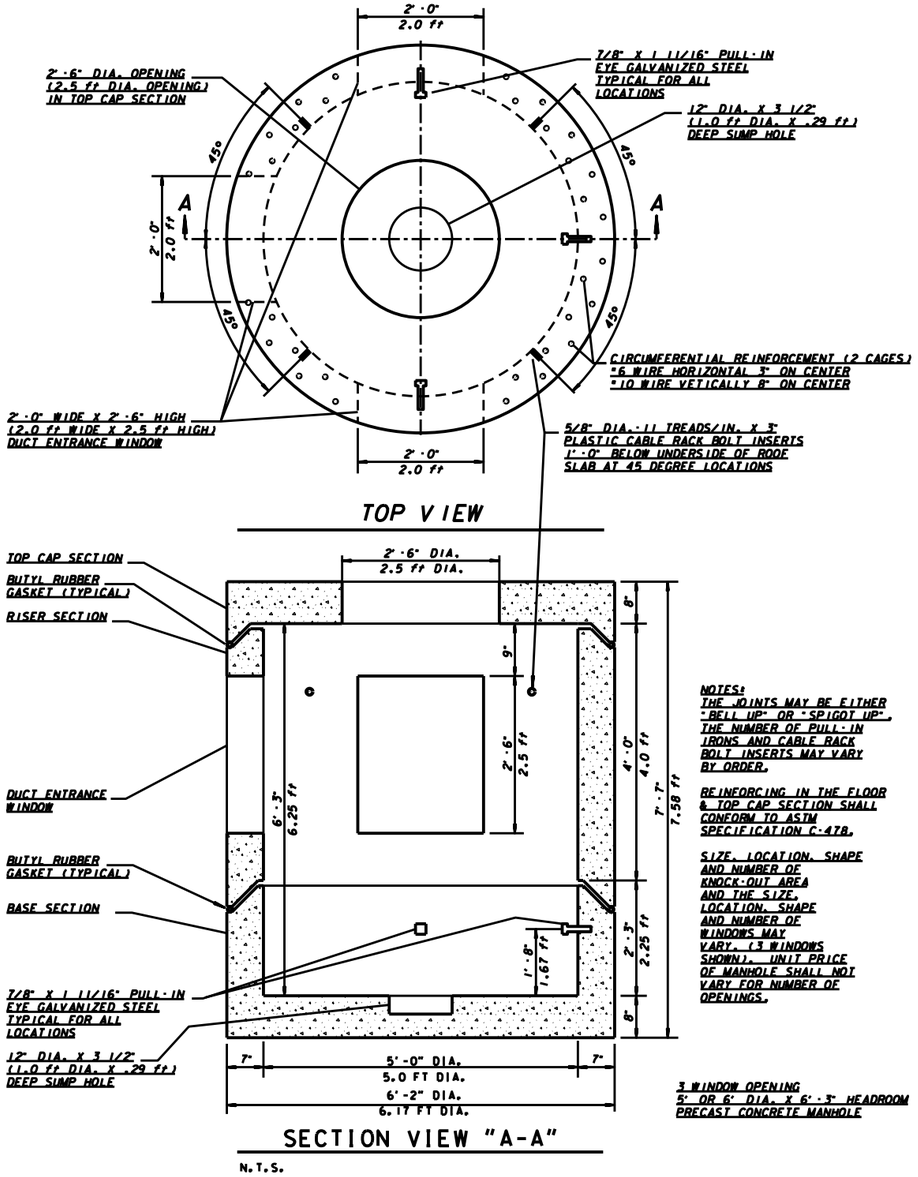
4' DIAMETER "DOGHOUSE" TYPE CUC MANHOLE



4' DIAMETER STANDARD TYPE CUC MANHOLE



5' DIAMETER "DOGHOUSE" TYPE CUC MANHOLE



NOTES:
THE JOINTS MAY BE EITHER "BELL UP" OR "SPIGOT UP". THE NUMBER OF PULL-IN IRONS AND CABLE RACK BOLT INSERTS MAY VARY BY ORDER.

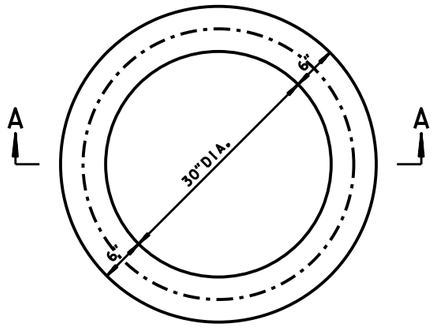
REINFORCING IN THE FLOOR & TOP CAP SECTION SHALL CONFORM TO ASTM SPECIFICATION C-478.

SIZE, LOCATION, SHAPE AND NUMBER OF KNOCK-OUT AREA AND THE SIZE, LOCATION, SHAPE AND NUMBER OF WINDOWS MAY VARY. (3 WINDOWS SHOWN). UNIT PRICE OF MANHOLE SHALL NOT VARY FOR NUMBER OF OPENINGS.

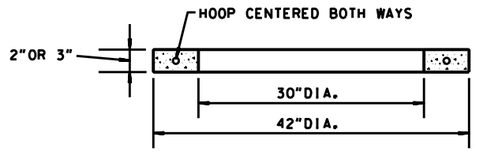
3 WINDOW OPENING
5' OR 6' DIA. X 6'-3" HEADROOM
PRECAST CONCRETE MANHOLE

5' DIAMETER STANDARD TYPE CUC MANHOLE

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PEN TABLE : DGNPENTABLE
PLOT DATE : $$...plottingdate...$$
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PLOT SCALE : $$.....plotscale.....$$



PLAN



SECTION A-A

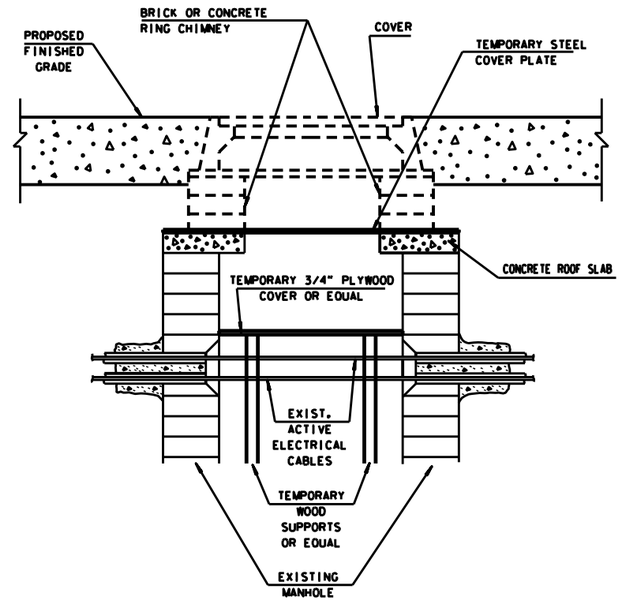
THE ADJUSTING RING SHALL BE 2" OR 3" IN HEIGHT.

THE CIRCUMFERENTIAL STEEL SHALL BE CENTERED WITHIN THE RING.

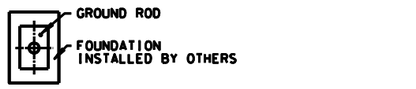
AREA OF CIRCUMFERENTIAL STEEL = 0.07 SQ. INCH PER VERTICAL FOOT WITH A MINIMUM OF .024 SQ. INCH IN ANY ONE RING.

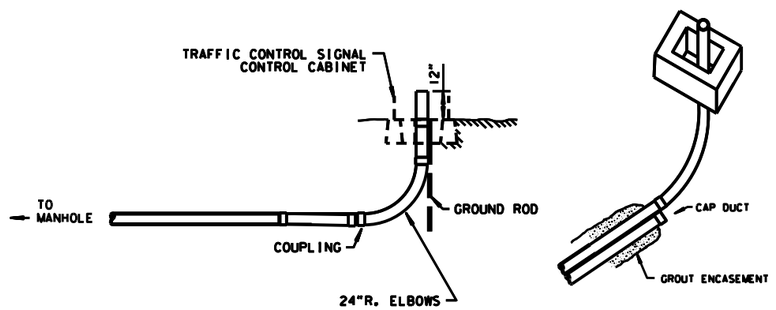
THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE CORE SHALL BE 4000 P.S.I.

CONCRETE ADJUSTING RING



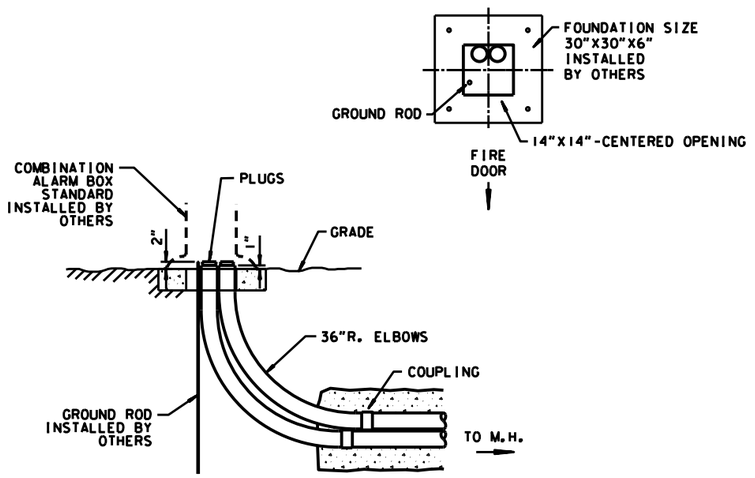
ADJUSTING CUC MANHOLES





TRAFFIC CONTROL CABINET

FOR REFERENCE ONLY



POLICE CALL BOX DETAIL

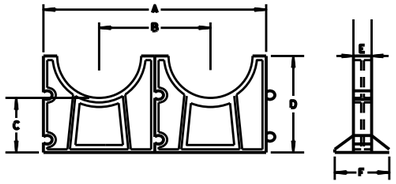
FOR REFERENCE ONLY

SHEET 17 OF 18

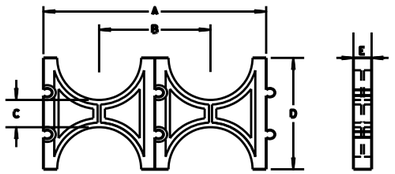
STATE PROJECT NUMBER 2667-03-71 - -	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UNDERGROUND CONDUIT DETAILS	NOT TO SCALE	SHEET NO: 271 E

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COLOR TABLE : DGNcolorTABLE
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PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

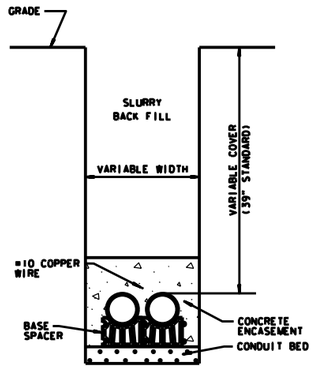
COND.	3"	4"
A	10 ¼"	12 ¼"
B	5 ⅛"	6 ⅛"
C	3"	3"
D	4 ⅜"	6 ⅛"
E	1"	1"
F	3"	3"

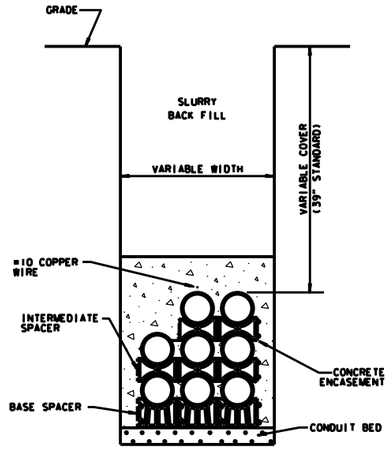


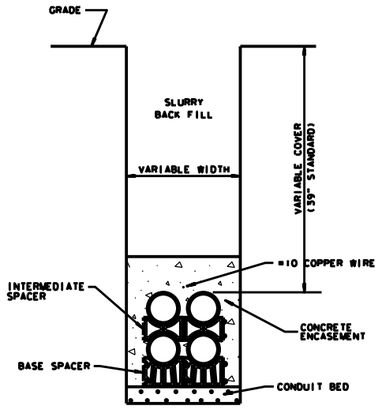
COND.	3"	4"
A	10 ¼"	12 ¼"
B	5 ⅛"	6 ⅛"
C	1 ½"	1 ½"
D	5 ⅛"	6 ⅛"
E	1"	1"

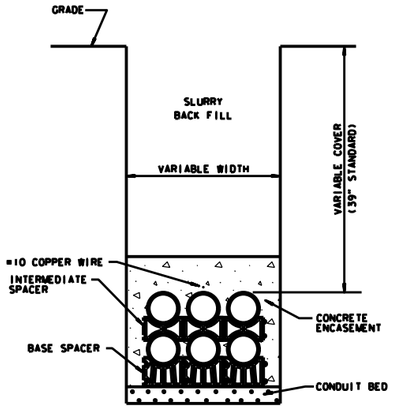


BASE AND INTERMEDIATE SPACE DETAIL
N.T.S.



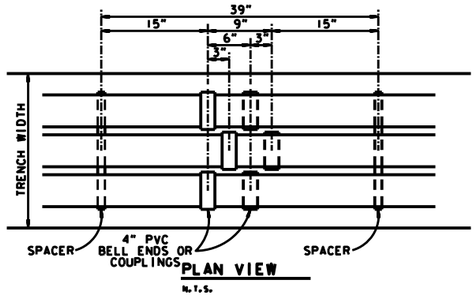




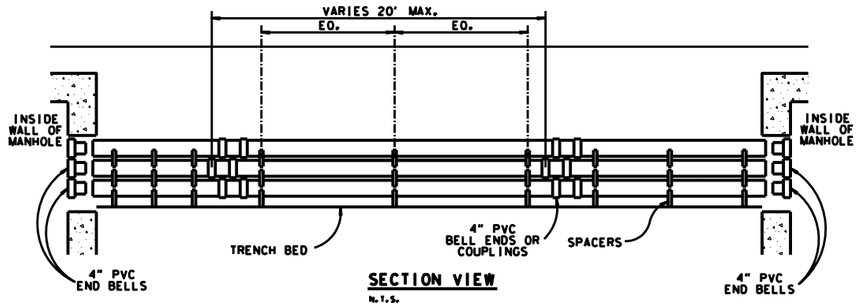


CROSS SECTION VIEW. TYP.
N.T.S.

CROSS SECTION VIEW
N.T.S.



PLAN VIEW
N.T.S.



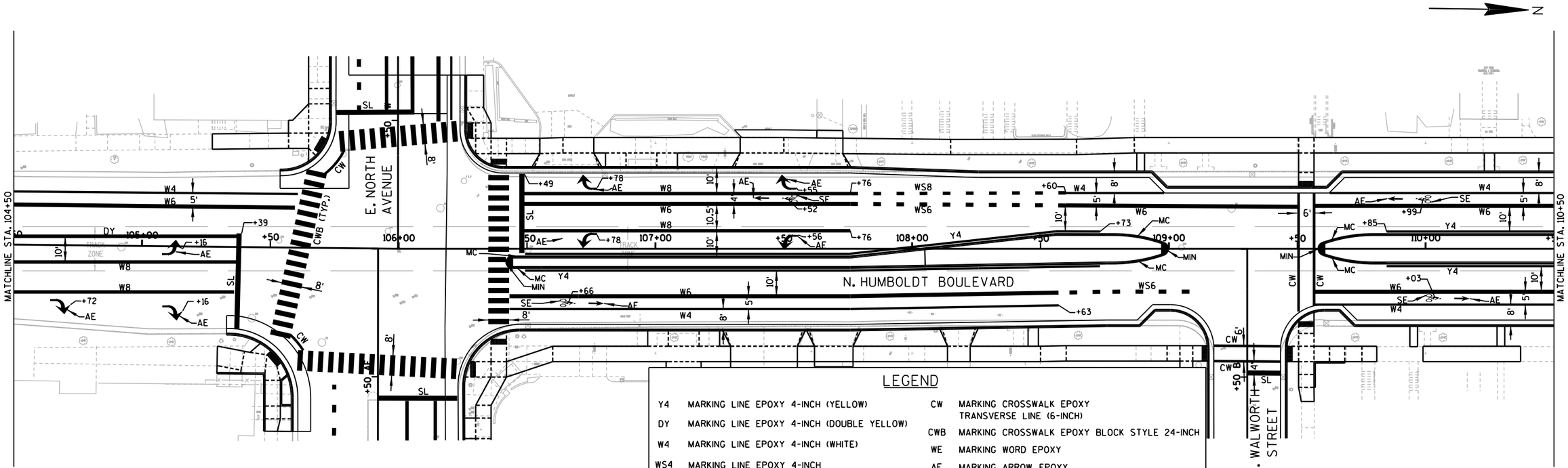
SECTION VIEW
N.T.S.

DUCT INSTALLATION DETAIL
N.T.S.

SHEET 18 OF 18

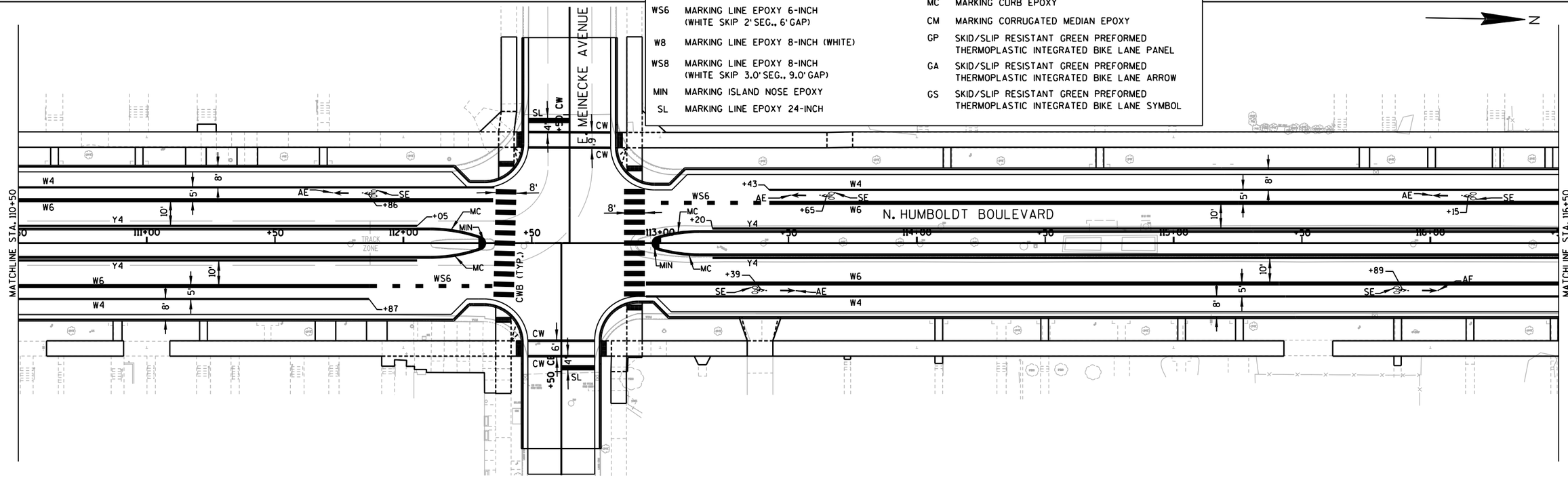
STATE PROJECT NUMBER 2667-03-71 ____-__-__	HWY: LOCAL STREET	COUNTY: MILWAUKEE	CITY UNDERGROUND CONDUIT DETAILS	NOT TO SCALE	SHEET NO: ___ 272 E

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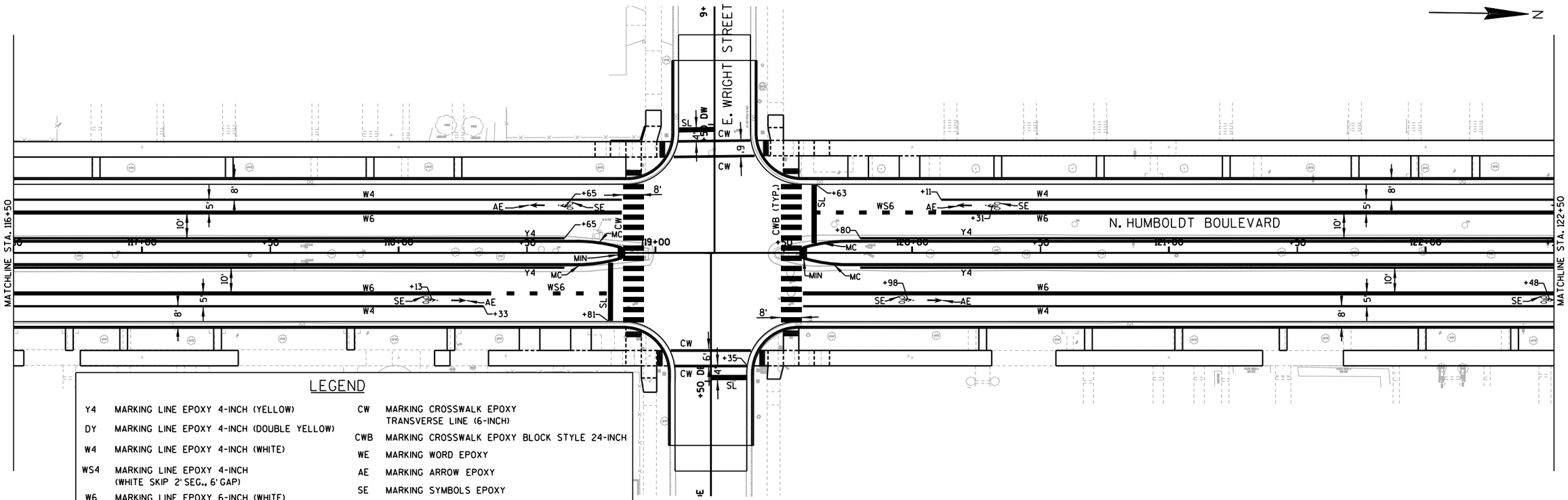


LEGEND

Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2'SEG., 6'GAP)
W6	MARKING LINE EPOXY 6-INCH (WHITE)
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2'SEG., 6'GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
WS8	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3.0'SEG., 9.0'GAP)
MIN	MARKING ISLAND NOSE EPOXY
SL	MARKING LINE EPOXY 24-INCH
CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WE	MARKING WORD EPOXY
AE	MARKING ARROW EPOXY
SE	MARKING SYMBOLS EPOXY
MC	MARKING CURB EPOXY
CM	MARKING CORRUGATED MEDIAN EPOXY
GP	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL
GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL

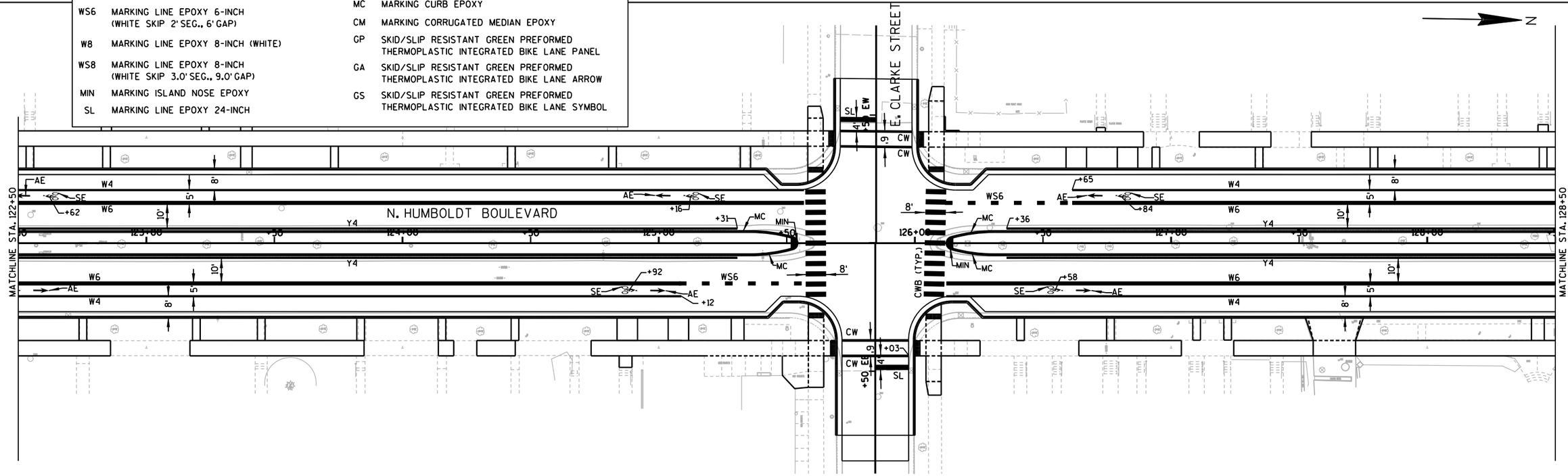


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 273 E

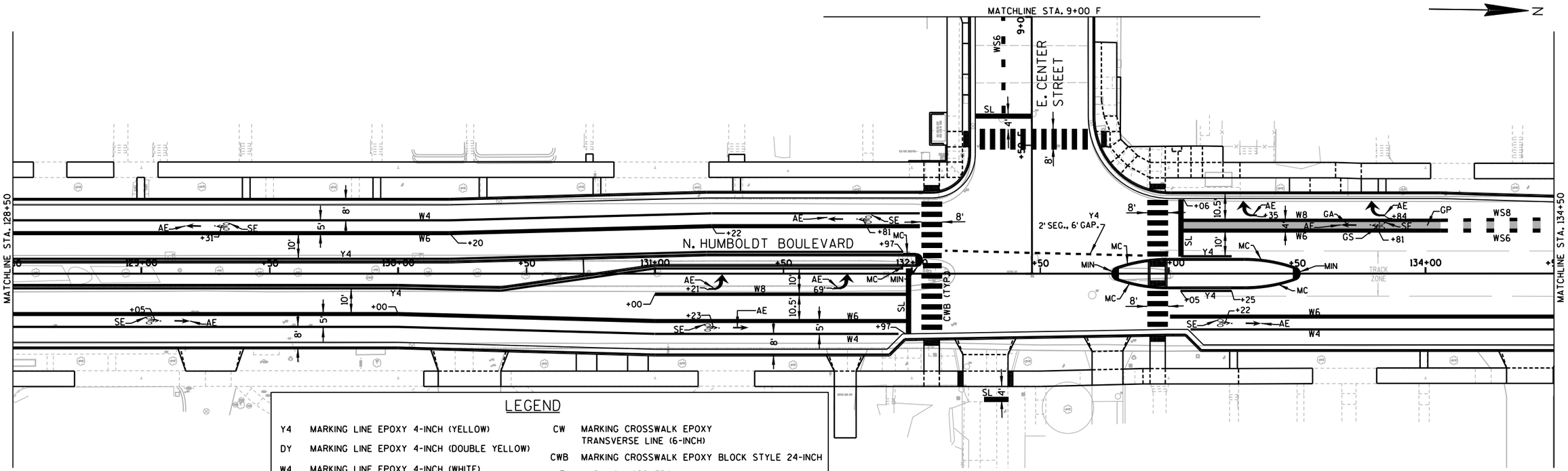


LEGEND

Y4	MARKING LINE EPOXY 4-INCH (YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
W4	MARKING LINE EPOXY 4-INCH (WHITE)	WE	MARKING WORD EPOXY
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2'SEG., 6'GAP)	AE	MARKING ARROW EPOXY
W6	MARKING LINE EPOXY 6-INCH (WHITE)	SE	MARKING SYMBOLS EPOXY
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2'SEG., 6'GAP)	MC	MARKING CURB EPOXY
W8	MARKING LINE EPOXY 8-INCH (WHITE)	CM	MARKING CORRUGATED MEDIAN EPOXY
WS8	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3.0'SEG., 9.0'GAP)	GP	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL
MIN	MARKING ISLAND NOSE EPOXY	GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
SL	MARKING LINE EPOXY 24-INCH	GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL

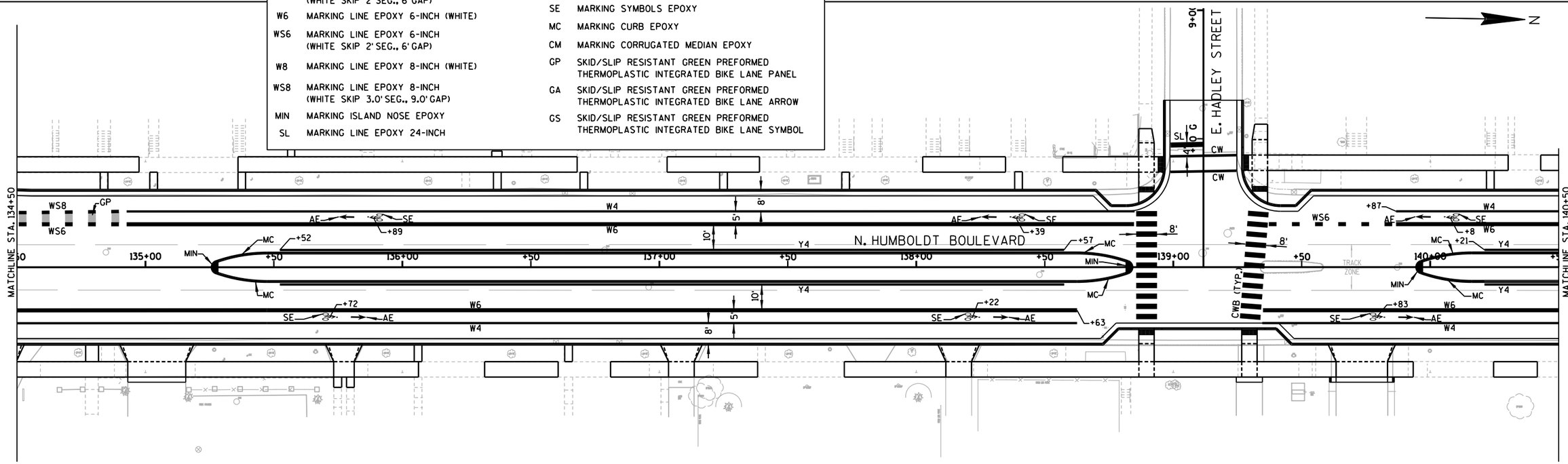


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 274	E

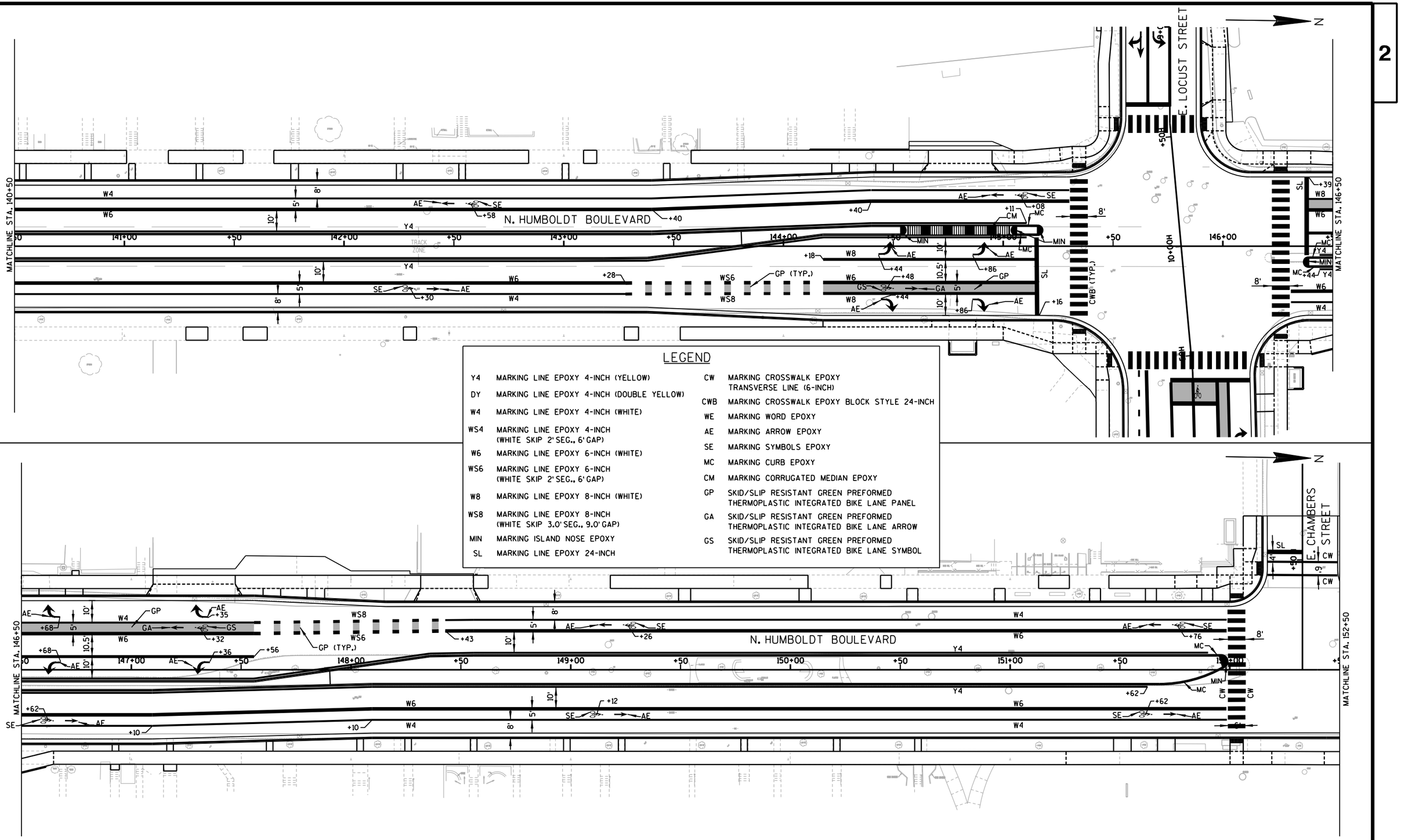


LEGEND

Y4	MARKING LINE EPOXY 4-INCH (YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
W4	MARKING LINE EPOXY 4-INCH (WHITE)	WE	MARKING WORD EPOXY
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2' SEG., 6' GAP)	AE	MARKING ARROW EPOXY
W6	MARKING LINE EPOXY 6-INCH (WHITE)	SE	MARKING SYMBOLS EPOXY
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2' SEG., 6' GAP)	MC	MARKING CURB EPOXY
W8	MARKING LINE EPOXY 8-INCH (WHITE)	CM	MARKING CORRUGATED MEDIAN EPOXY
WS8	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3.0' SEG., 9.0' GAP)	GP	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL
MIN	MARKING ISLAND NOSE EPOXY	GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
SL	MARKING LINE EPOXY 24-INCH	GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL



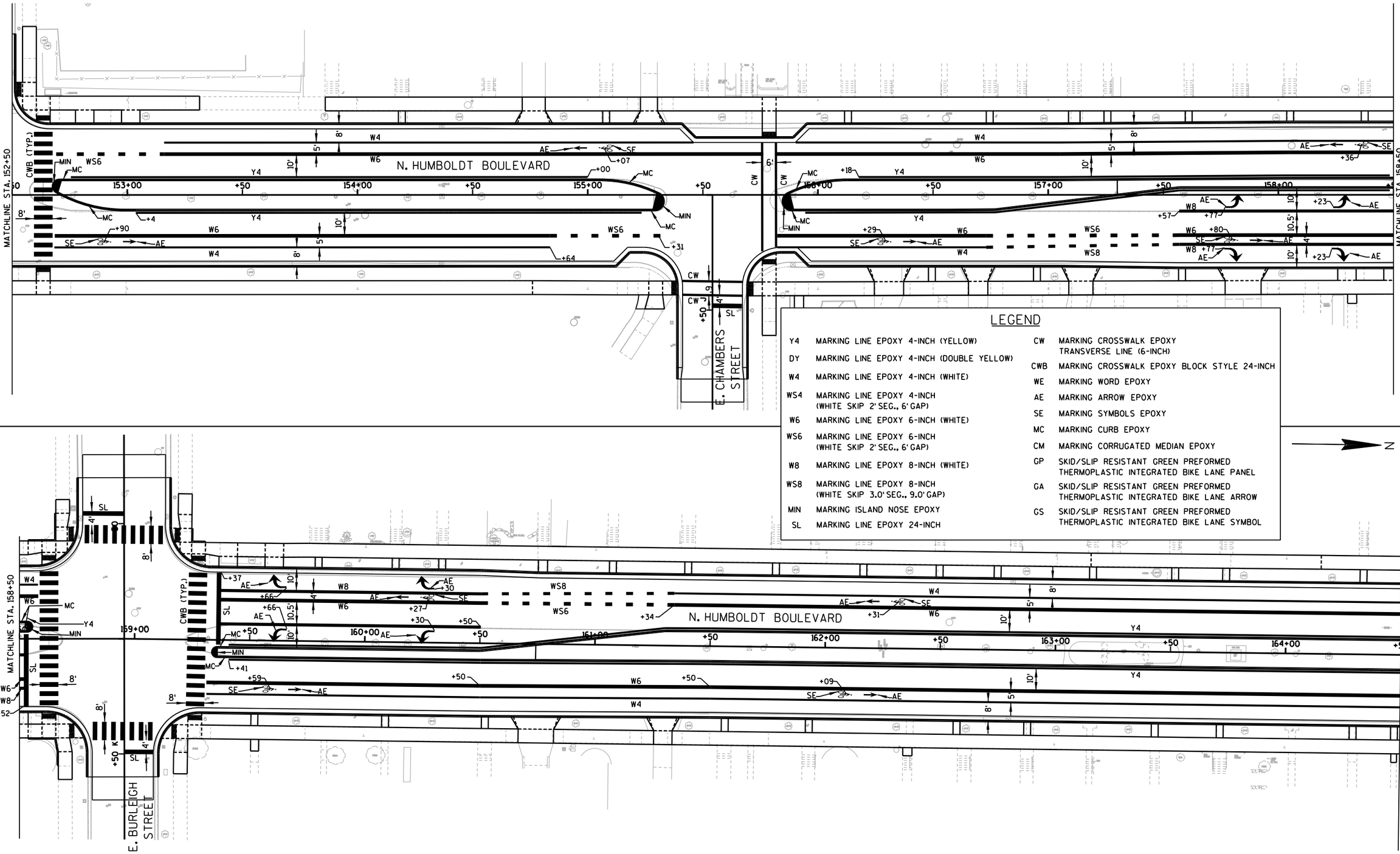
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 275	E



LEGEND

Y4	MARKING LINE EPOXY 4-INCH (YELLOW)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
W4	MARKING LINE EPOXY 4-INCH (WHITE)
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2'SEG., 6'GAP)
W6	MARKING LINE EPOXY 6-INCH (WHITE)
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2'SEG., 6'GAP)
W8	MARKING LINE EPOXY 8-INCH (WHITE)
WS8	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3.0'SEG., 9.0'GAP)
MIN	MARKING ISLAND NOSE EPOXY
SL	MARKING LINE EPOXY 24-INCH
CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WE	MARKING WORD EPOXY
AE	MARKING ARROW EPOXY
SE	MARKING SYMBOLS EPOXY
MC	MARKING CURB EPOXY
CM	MARKING CORRUGATED MEDIAN EPOXY
GP	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL
GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL

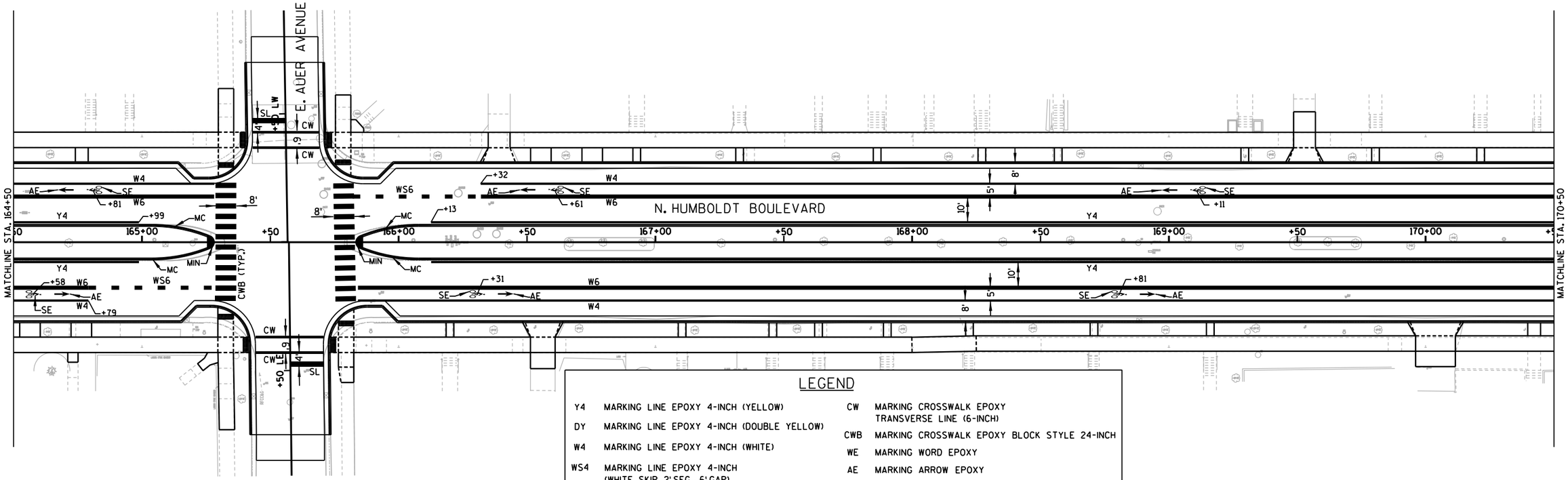
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 276	E



LEGEND

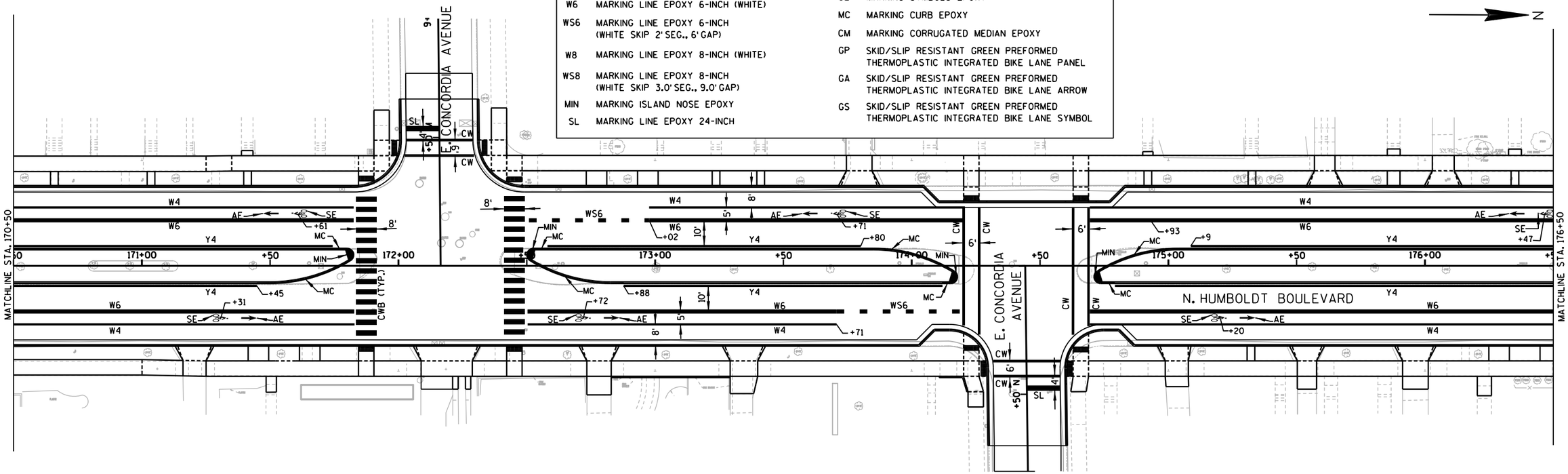
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
W4	MARKING LINE EPOXY 4-INCH (WHITE)	WE	MARKING WORD EPOXY
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2' SEG., 6' GAP)	AE	MARKING ARROW EPOXY
W6	MARKING LINE EPOXY 6-INCH (WHITE)	SE	MARKING SYMBOLS EPOXY
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2' SEG., 6' GAP)	MC	MARKING CURB EPOXY
W8	MARKING LINE EPOXY 8-INCH (WHITE)	CM	MARKING CORRUGATED MEDIAN EPOXY
WS8	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3.0' SEG., 9.0' GAP)	GP	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL
MIN	MARKING ISLAND NOSE EPOXY	GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
SL	MARKING LINE EPOXY 24-INCH	GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 277	E

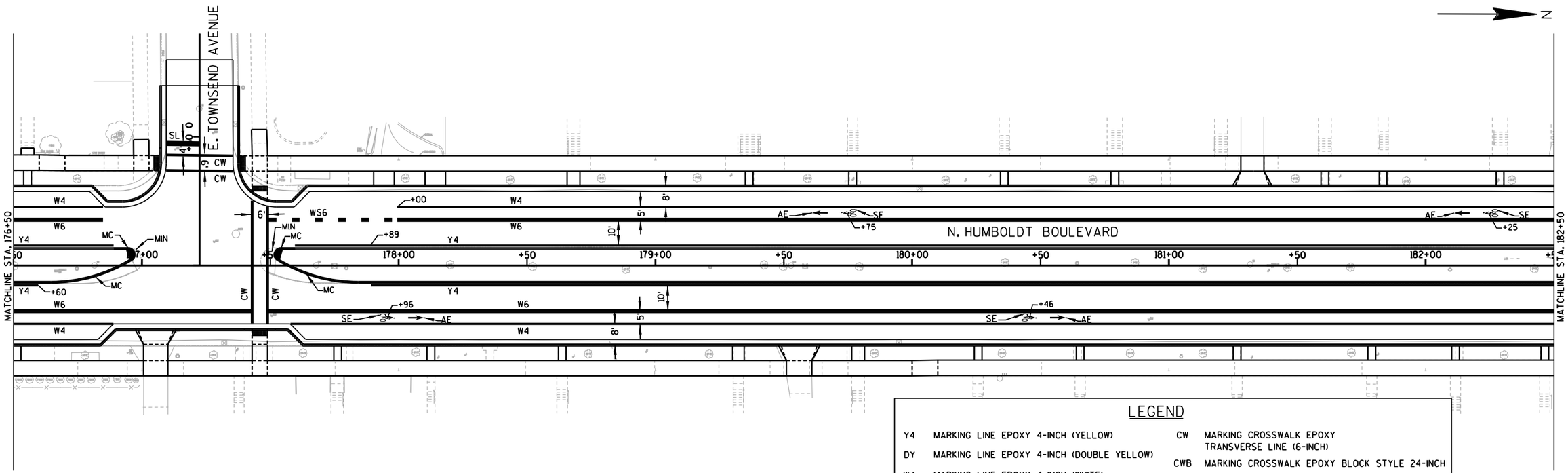


LEGEND

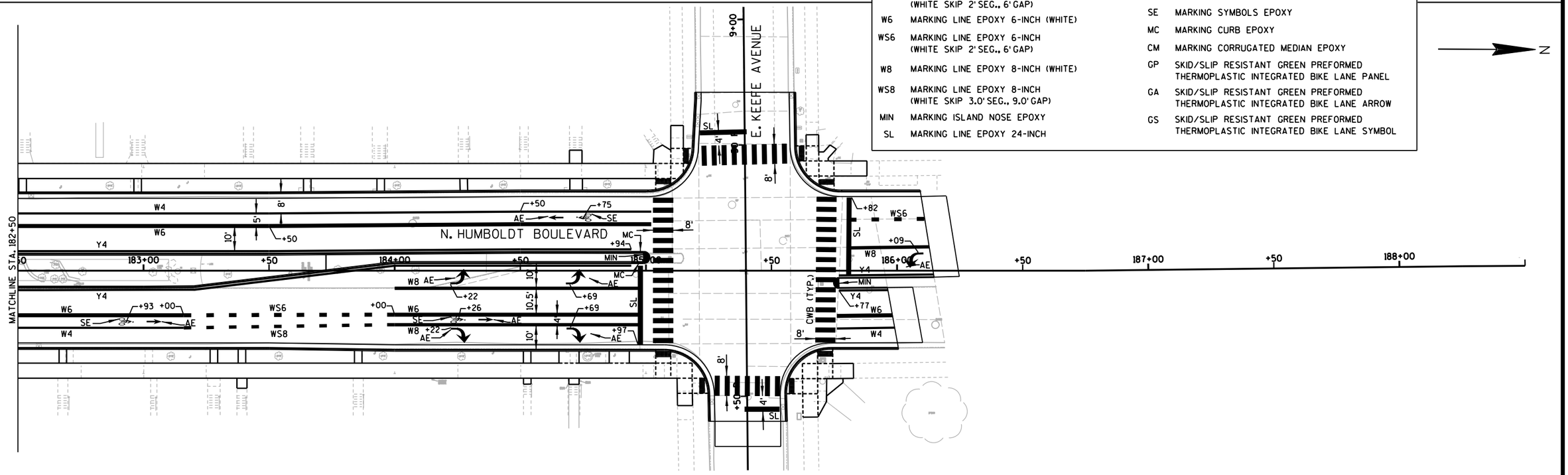
Y4	MARKING LINE EPOXY 4-INCH (YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
W4	MARKING LINE EPOXY 4-INCH (WHITE)	WE	MARKING WORD EPOXY
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2'SEG., 6'GAP)	AE	MARKING ARROW EPOXY
W6	MARKING LINE EPOXY 6-INCH (WHITE)	SE	MARKING SYMBOLS EPOXY
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2'SEG., 6'GAP)	MC	MARKING CURB EPOXY
W8	MARKING LINE EPOXY 8-INCH (WHITE)	CM	MARKING CORRUGATED MEDIAN EPOXY
WS8	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3.0'SEG., 9.0'GAP)	GP	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL
MIN	MARKING ISLAND NOSE EPOXY	GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
SL	MARKING LINE EPOXY 24-INCH	GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 278	E



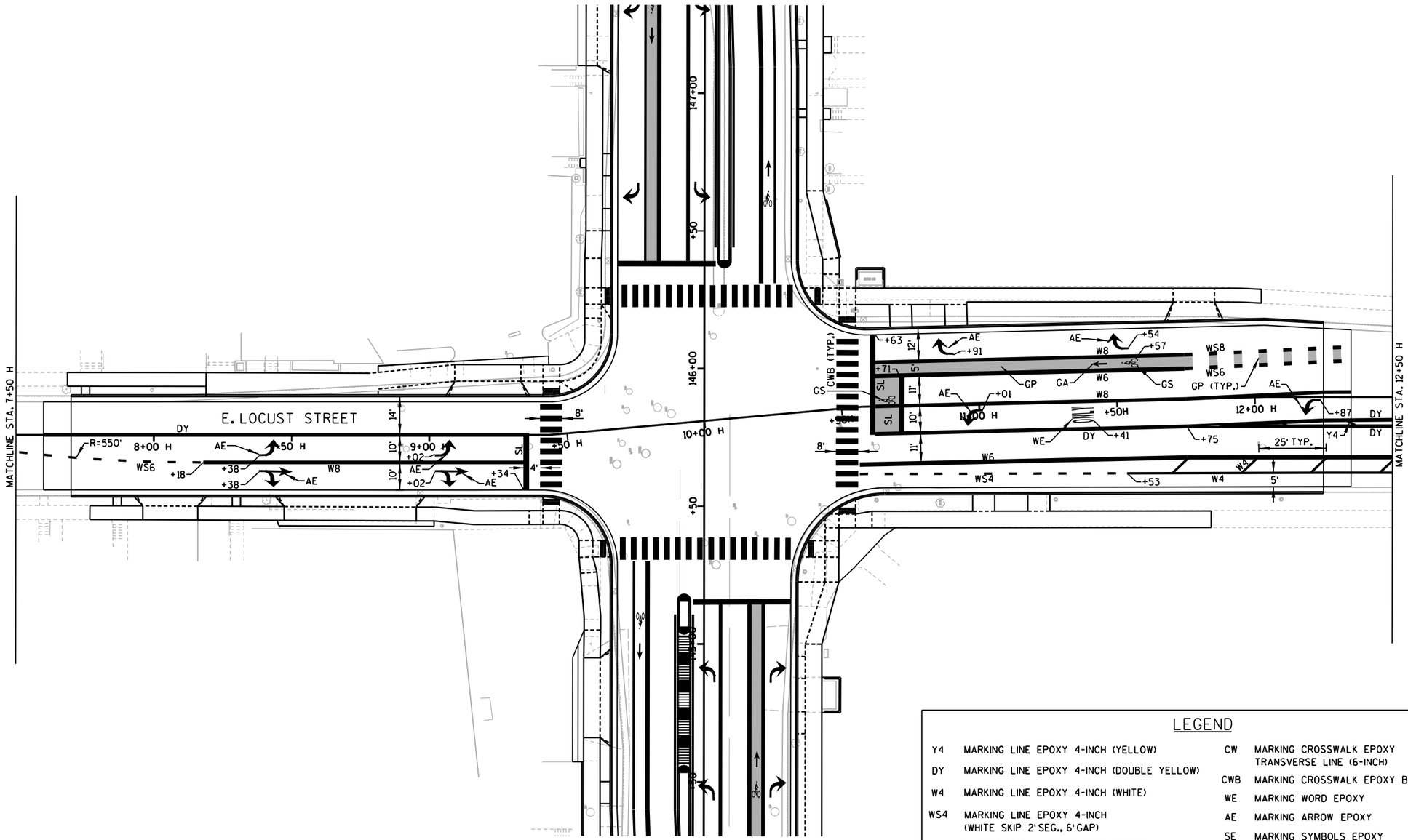
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LEGEND

Y4	MARKING LINE EPOXY 4-INCH (YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
W4	MARKING LINE EPOXY 4-INCH (WHITE)	WE	MARKING WORD EPOXY
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2'SEG., 6'GAP)	AE	MARKING ARROW EPOXY
W6	MARKING LINE EPOXY 6-INCH (WHITE)	SE	MARKING SYMBOLS EPOXY
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2'SEG., 6'GAP)	MC	MARKING CURB EPOXY
W8	MARKING LINE EPOXY 8-INCH (WHITE)	CM	MARKING CORRUGATED MEDIAN EPOXY
WS8	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3.0'SEG., 9.0'GAP)	GP	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL
MIN	MARKING ISLAND NOSE EPOXY	GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
SL	MARKING LINE EPOXY 24-INCH	GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL

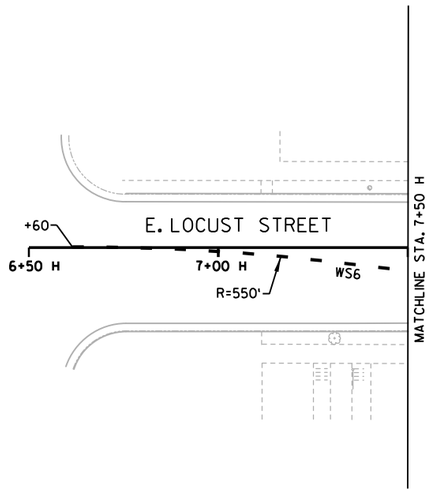
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 279	E

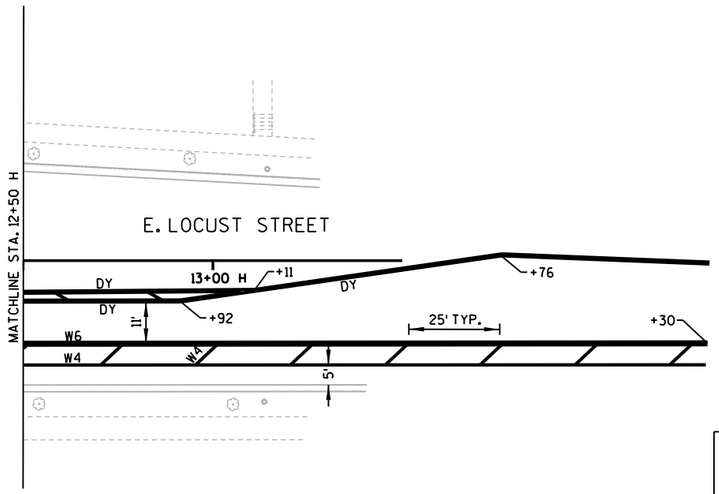


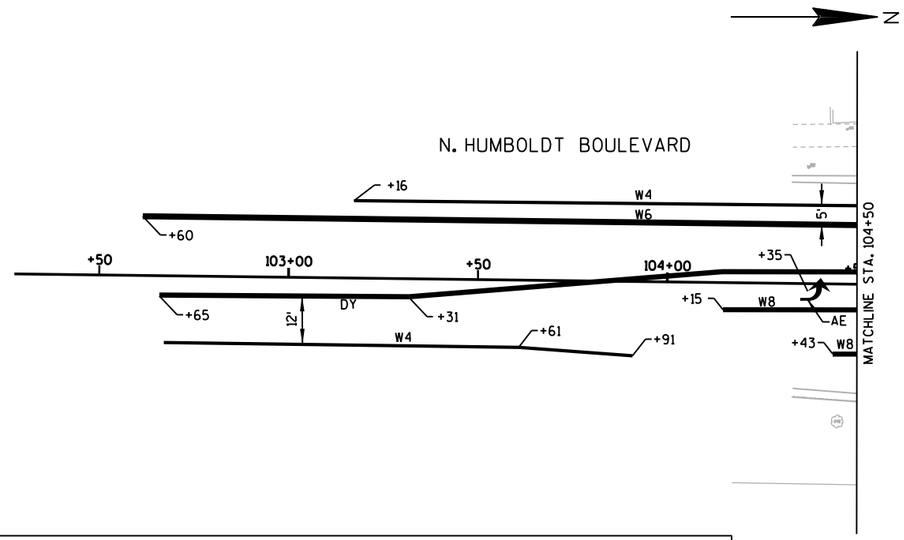
LEGEND

Y4	MARKING LINE EPOXY 4-INCH (YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
W4	MARKING LINE EPOXY 4-INCH (WHITE)	WE	MARKING WORD EPOXY
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2'SEG., 6'GAP)	AE	MARKING ARROW EPOXY
W6	MARKING LINE EPOXY 6-INCH (WHITE)	SE	MARKING SYMBOLS EPOXY
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2'SEG., 6'GAP)	MC	MARKING CURB EPOXY
W8	MARKING LINE EPOXY 8-INCH (WHITE)	CM	MARKING CORRUGATED MEDIAN EPOXY
WS8	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3.0'SEG., 9.0'GAP)	GP	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL
MIN	MARKING ISLAND NOSE EPOXY	GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
SL	MARKING LINE EPOXY 24-INCH	GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 280	E

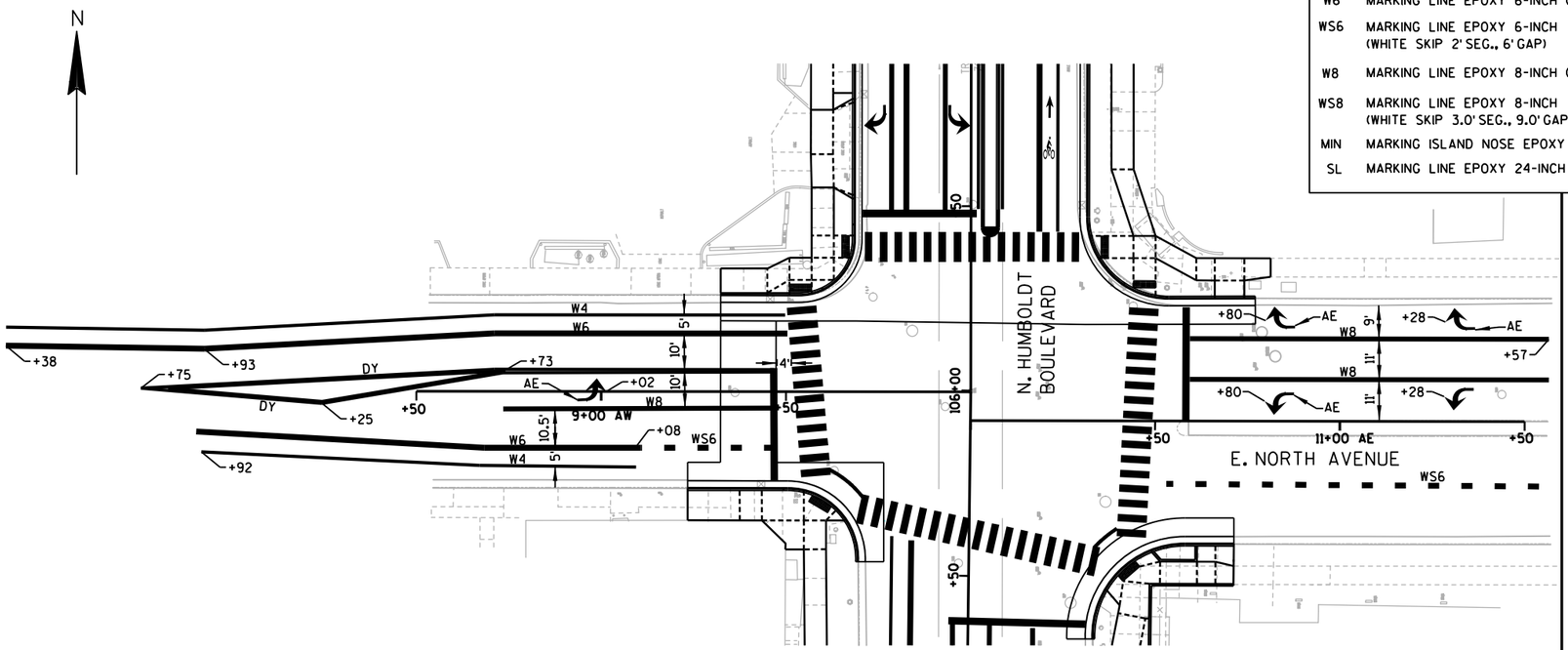


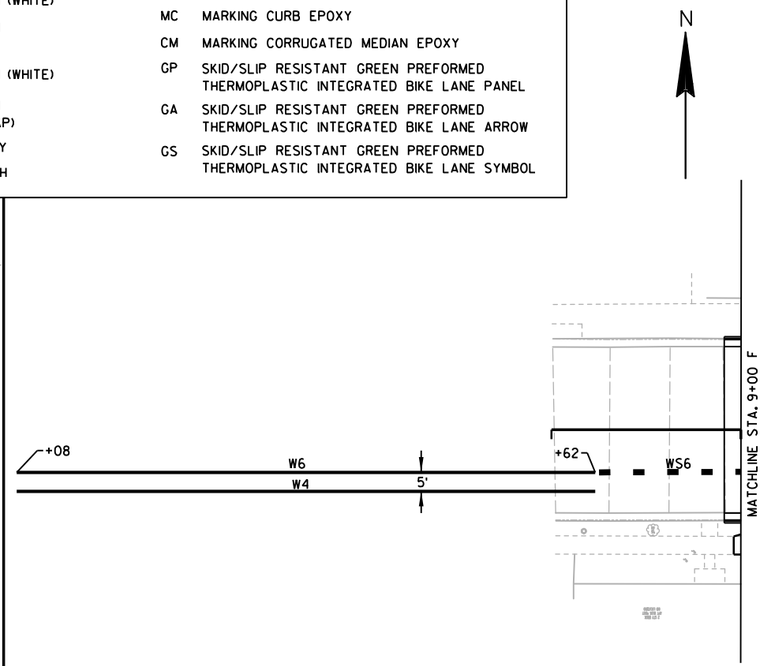




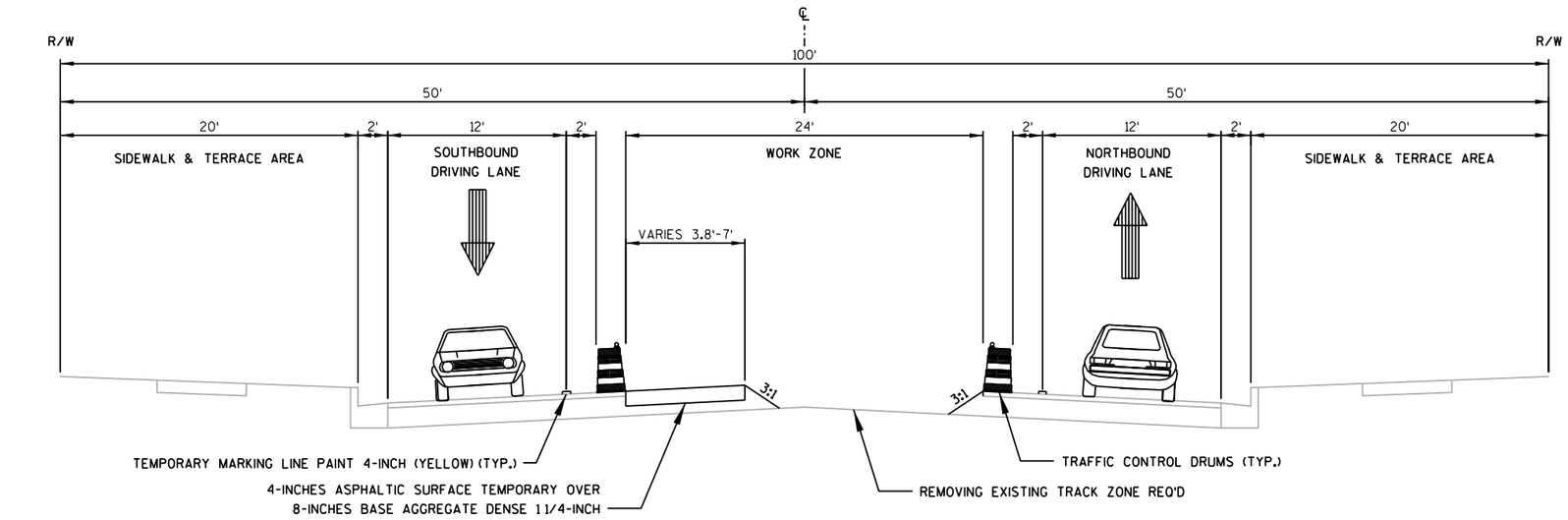
LEGEND

Y4	MARKING LINE EPOXY 4-INCH (YELLOW)	CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE (6-INCH)
DY	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	CWB	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
W4	MARKING LINE EPOXY 4-INCH (WHITE)	WE	MARKING WORD EPOXY
WS4	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2'SEG., 6'GAP)	AE	MARKING ARROW EPOXY
W6	MARKING LINE EPOXY 6-INCH (WHITE)	SE	MARKING SYMBOLS EPOXY
WS6	MARKING LINE EPOXY 6-INCH (WHITE SKIP 2'SEG., 6'GAP)	MC	MARKING CURB EPOXY
W8	MARKING LINE EPOXY 8-INCH (WHITE)	CM	MARKING CORRUGATED MEDIAN EPOXY
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MIN	MARKING ISLAND NOSE EPOXY	GA	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW
SL	MARKING LINE EPOXY 24-INCH	GS	SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL



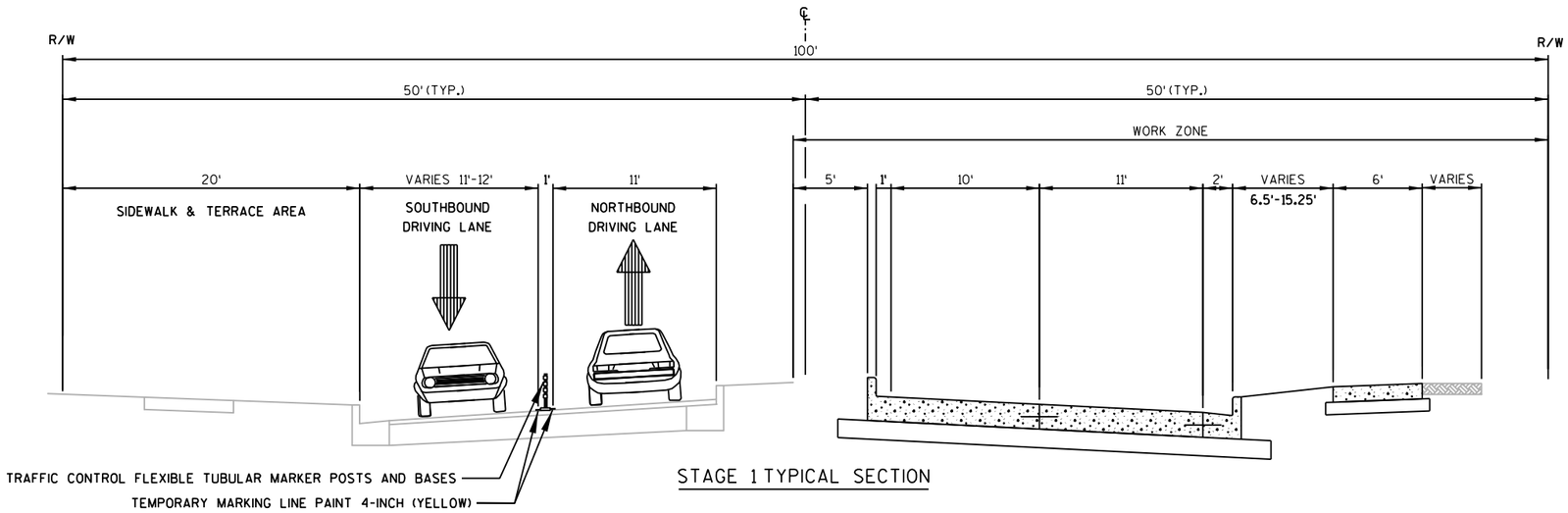


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PAVEMENT MARKING	SCALE, FEET 0 20 40	SHEET 281 E



PRE-STAGE 1 TYPICAL SECTION

NORTH HUMBOLDT BOULEVARD
E. NORTH AVE. TO E. MEINECKE AVE.
E. CENTER ST. TO E. LOSUCT ST.

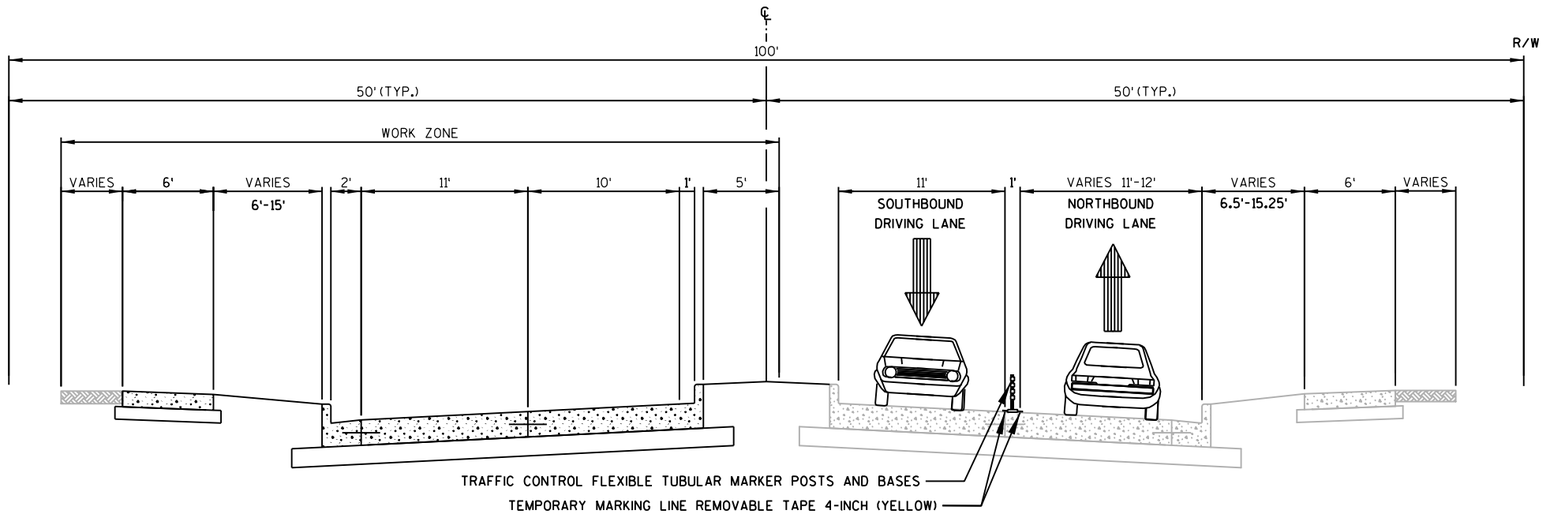


STAGE 1 TYPICAL SECTION

NORTH HUMBOLDT BOULEVARD
E. NORTH AVE. TO E. KEEFE AVE.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STAGING TYPICAL SECTIONS	SHEET 282 E

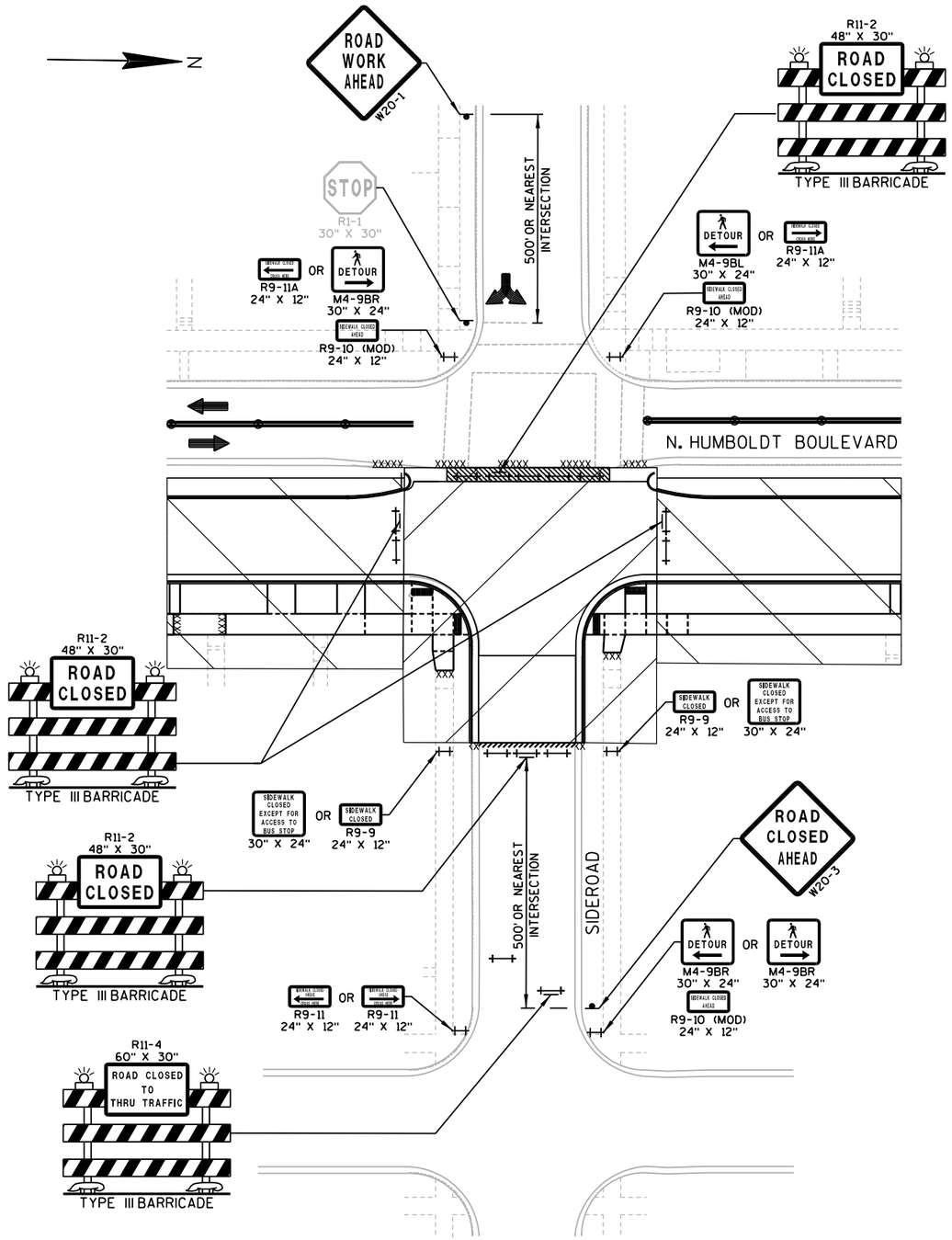
2



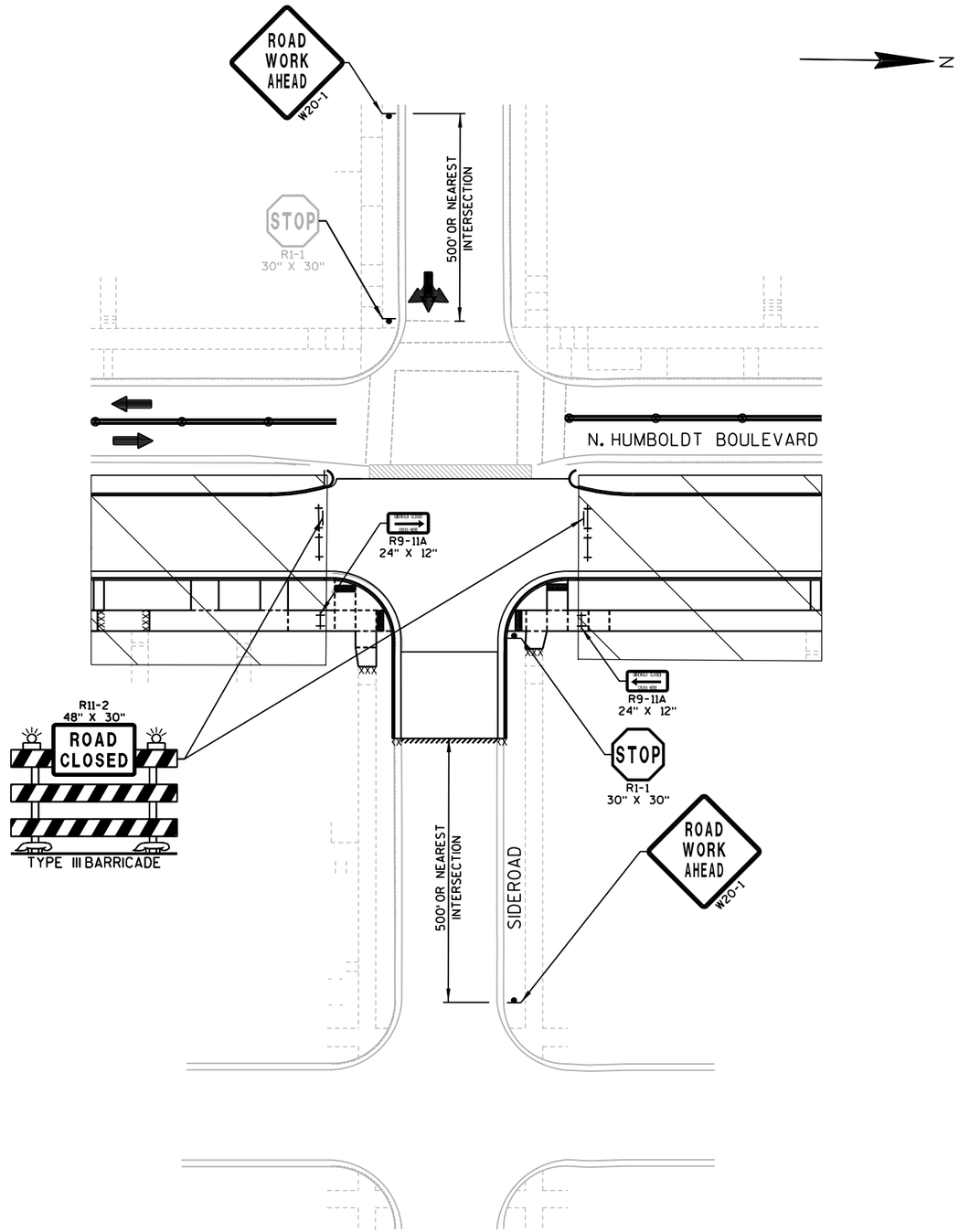
STAGE II TYPICAL SECTION

NORTH HUMBOLDT BOULEVARD
E. NORTH AVE. TO E. KEEFE AVE.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STAGING TYPICAL SECTIONS	SHEET 283	E



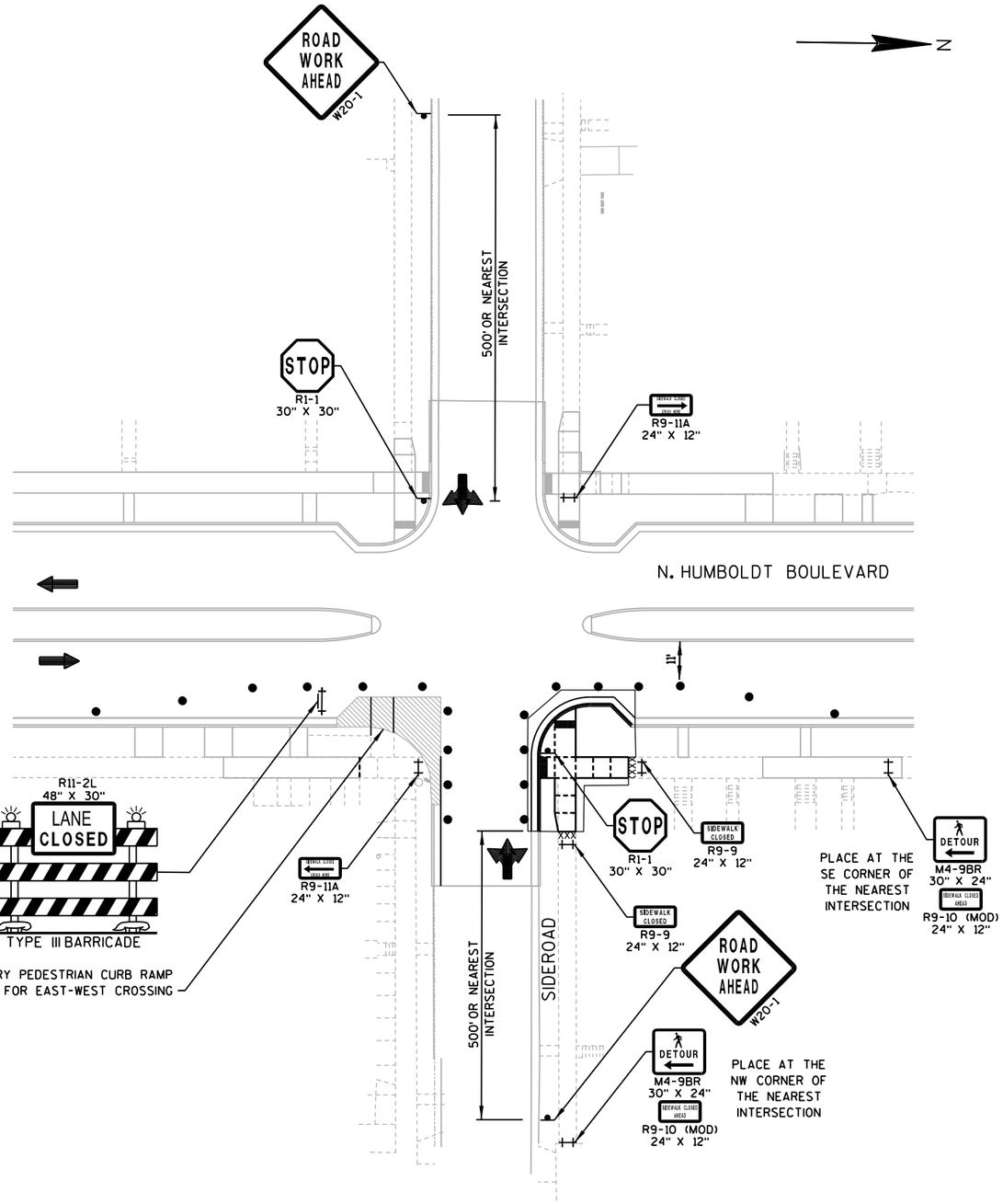
SIDEROAD CLOSED STAGE I



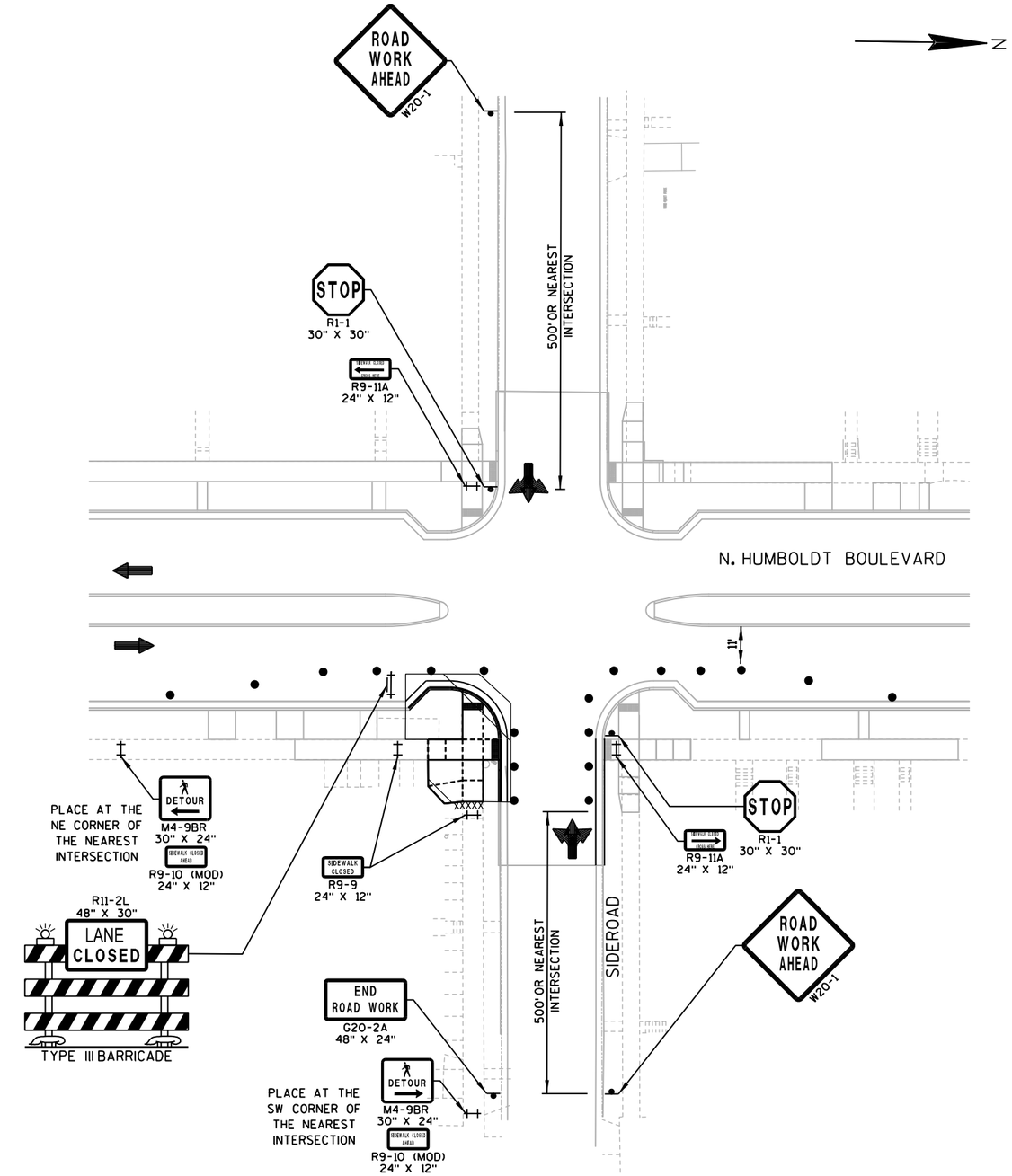
SIDEROAD OPEN STAGE I

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	SIDEROAD OPEN/CLOSED DETAIL	SCALE, FEET 0 20 40	SHEET 284	E

2



STAGE III WORK ZONE NE QUADRANT



STAGE III WORK ZONE SE QUADRANT

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	STAGE III WORK ZONE STAGING DETAIL	SCALE, FEET 0 20 40	SHEET 285	E

2

STAGE 1:

TRAFFIC:

1. NORTHBOUND TRAFFIC SHALL OPERATE ON THE EAST SIDE OF THE ROADWAY.
2. SOUTHBOUND TRAFFIC SHALL OPERATE ON THE WEST SIDE OF THE ROADWAY.
3. MAINTAIN PEDESTRIAN SIDEWALK ACCESS ON EXISTING EAST SIDEWALK AND CROSSWALKS ACROSS HUMBOLDT BOULEVARD WHERE SHOWN ON PLANS.

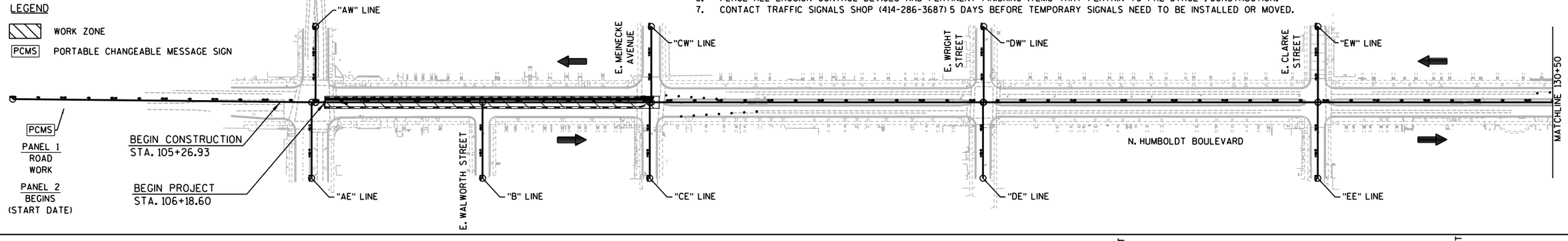
LEGEND

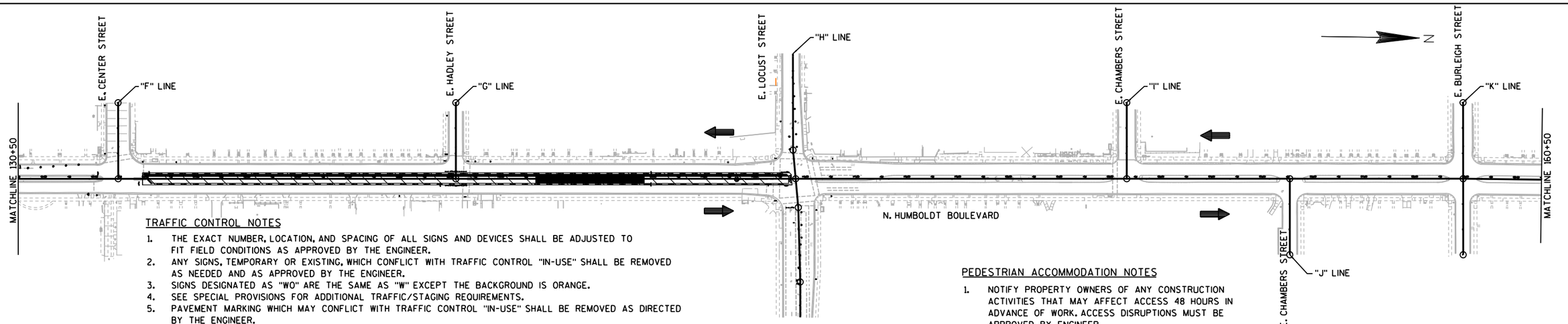
WORK ZONE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

CONSTRUCT:

1. INSTALL TEMPORARY MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR PRE-STAGE 1 CONSTRUCTION PRIOR TO THE TRAFFIC SWITCH TO PRE-STAGE 1.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH PRE-STAGE 1 TRAFFIC CONTROL.
3. REMOVE EXISTING INLETS, STORM SEWER LATERALS, AND MANHOLES THAT ARE REPLACED IN PRE-STAGE 1.
4. REMOVE EXISTING CURB AND GUTTER, STREET LIGHT POLES, AND PAVEMENT WITHIN THE PRE-STAGE 1 CONSTRUCTION LIMITS.
5. CONSTRUCT PROPOSED STREET LIGHTING, CURB AND GUTTER, PAVEMENT, SIDEWALK, INLETS, AND STORM SEWER LATERALS WITHIN PRE-STAGE 1 CONSTRUCTION LIMITS.
6. PLACE ALL EROSION CONTROL DEVICES AND PERTINENT FINISHING ITEMS THAT PERTAIN TO PRE-STAGE 1 CONSTRUCTION.
7. CONTACT TRAFFIC SIGNALS SHOP (414-286-3687) 5 DAYS BEFORE TEMPORARY SIGNALS NEED TO BE INSTALLED OR MOVED.



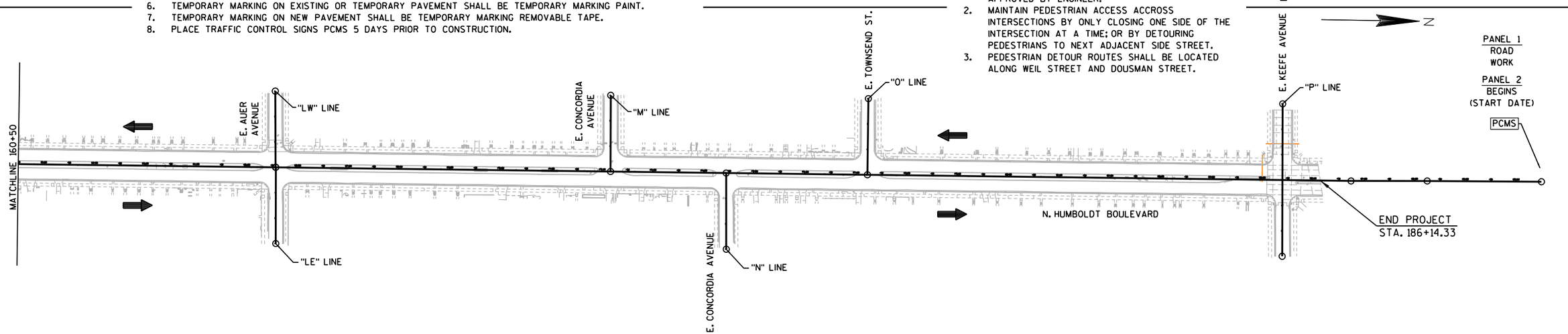


TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS NEEDED AND AS APPROVED BY THE ENGINEER.
3. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
4. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
5. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
6. TEMPORARY MARKING ON EXISTING OR TEMPORARY PAVEMENT SHALL BE TEMPORARY MARKING PAINT.
7. TEMPORARY MARKING ON NEW PAVEMENT SHALL BE TEMPORARY MARKING REMOVABLE TAPE.
8. PLACE TRAFFIC CONTROL SIGNS PCMS 5 DAYS PRIOR TO CONSTRUCTION.

PEDESTRIAN ACCOMMODATION NOTES

1. NOTIFY PROPERTY OWNERS OF ANY CONSTRUCTION ACTIVITIES THAT MAY AFFECT ACCESS 48 HOURS IN ADVANCE OF WORK. ACCESS DISRUPTIONS MUST BE APPROVED BY ENGINEER.
2. MAINTAIN PEDESTRIAN ACCESS ACCROSS INTERSECTIONS BY ONLY CLOSING ONE SIDE OF THE INTERSECTION AT A TIME; OR BY DETOURING PEDESTRIANS TO NEXT ADJACENT SIDE STREET.
3. PEDESTRIAN DETOUR ROUTES SHALL BE LOCATED ALONG WEIL STREET AND DOUSMAN STREET.



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL OVERVIEW - PRE-STAGE 1	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\025201_tc_po.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N

ROAD WORK AHEAD W20-1

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

END ROAD WORK G20-2A 48" X 24"

R9-11A 24" X 12"

W01-4L

R9-11 24" X 12"

R3-2 24" X 24"

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

MATCHLINE STA. 110+50

105+00 +50 106+00 +18.7 8.5LT +18.7 4.0LT 107+00 108+00 109+00 110+00

25' (TYP.) 50' (TYP.) 4Y 12' 4.6'

N. HUMBOLDT BOULEVARD

W01-4R

BIKE LANE ENDS

PLACE AT INTERSECTION OF HUMBOLDT BOULEVARD AND GARFIELD AVENUE

ROAD WORK AHEAD W20-1

E. NORTH AVENUE

ONLY ONLY

W01-6 48" X 24" TYPE III BARRICADE

R9-11 24" X 12"

W01-6 48" X 24" TYPE III BARRICADE

WRONG WAY R5-1A 36" X 24"

DO NOT ENTER R5-1 30" X 30"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

R6-2R 24" X 30" ONE WAY TYPE III BARRICADE

E. WALWORTH STREET

R9-11A 24" X 12"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

ONE WAY R6-1R 36" X 12"

STOP R1-1 30" X 30"

R3-2 24" X 24"

ROAD WORK AHEAD W20-1

PLACE 400' EAST OF HUMBOLDT BOULEVARD

BIKE LANE ENDS

PLACE AT INTERSECTION OF NORTH AVENUE AND COMMERCE STREET

ROAD WORK AHEAD W20-1

① TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)

② TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2 SEG., 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL PRE-STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 287	E

2

N

ROAD WORK AHEAD W20-1

PLACE AT INTERSECTION OF MEINECKE AVENUE AND WEIL STREET

STOP R1-1 30" X 30"

ONE WAY R6-1R 36" X 12"

R3-2 24" X 24"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R9-11A 24" X 12"

R6-2R 24" X 30" ONE WAY TYPE III BARRICADE

WRONG WAY R5-1A 36" X 24"

DO NOT ENTER R5-1 30" X 30"

R3-2 24" X 24"

W01-6 48" X 24" TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED TYPE III BARRICADE

W01-4R

N. HUMBOLDT BOULEVARD

4Y

+44.8 11.0'LT

+36.5 8.6LT

+68.5 11.0LT

+63.4 3.9LT

4.6'

50' (TYP.)

+92

4WT

+72

4YT

113+00 +50 114+00 +50 115+00 +50 116+00

11'

+90

+70

4W

MATCHLINE STA. 110+50

MATCHLINE STA. 116+50

W01-4L

R3-2 24" X 24"

WRONG WAY R5-1A 36" X 24"

DO NOT ENTER R5-1 30" X 30"

R9-11A 24" X 12"

R6-2R 24" X 30" ONE WAY TYPE III BARRICADE

E. MEINECKE AVENUE

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

ONE WAY R6-1R 36" X 12"

STOP R1-1 30" X 30"

R3-2 24" X 24"

W01-6 48" X 24" TYPE III BARRICADE

W01-6 48" X 24" TYPE III BARRICADE

ROAD WORK AHEAD W20-1

PLACE 300' EAST OF HUMBOLDT BOULEVARD

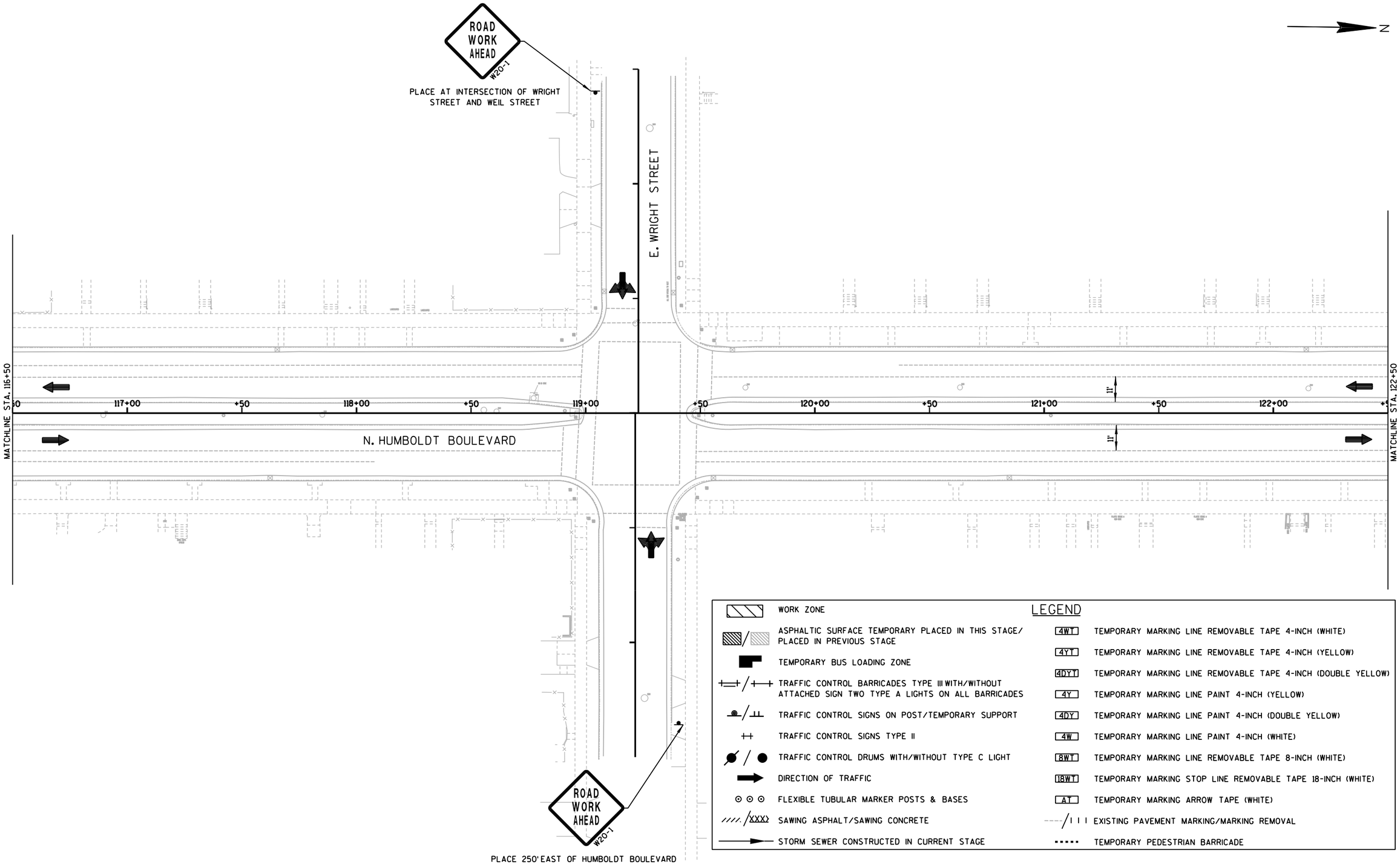
LEGEND

- WORK ZONE
- ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
- TEMPORARY BUS LOADING ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
- TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
- TRAFFIC CONTROL SIGNS TYPE II
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SAWING ASPHALT/SAWING CONCRETE
- STORM SEWER CONSTRUCTED IN CURRENT STAGE

- 4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT TEMPORARY MARKING ARROW TAPE (WHITE)
- EXISTING PAVEMENT MARKING/MARKING REMOVAL
- TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL PRE-STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 288	E

2



LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE (XXX)	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL PRE-STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 289	E

2

N

ROAD WORK AHEAD W20-1

PLACE AT INTERSECTION OF CLARK STREET AND WEIL STREET

STOP R1-1 30" X 30"

MATCHLINE STA. 122+50

123+00 +50 124+00 +50 125+00 +50 126+00 +50 127+00 +50 128+00

MATCHLINE STA. 128+50

N. HUMBOLDT BOULEVARD

11'

11'

E. CLARKE STREET

STOP R1-1 30" X 30"

ROAD WORK AHEAD W20-1

PLACE 250'EAST OF HUMBOLDT BOULEVARD

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL PRE-STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 290	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N

BIKE LANE ENDS
PLACE AT INTERSECTION OF CENTER STREET AND WEIL STREET

ROAD WORK AHEAD W20-1
PLACE AT INTERSECTION OF CENTER STREET AND WEIL STREET

E. CENTER STREET

W01-6 48" X 24"
TYPE III BARRICADE

W01-6 48" X 24"
TYPE III BARRICADE

STOP R1-1 30" X 30"

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

STOP R1-1 30" X 30"

W01-4L

MATCHLINE STA. 128+50

129+00 +50 130+00 +50 131+00 +50 132+00 +50

11' 11'

4WT +22 4YT 25' (TYP.) +02

+70 1 4W 4W +50

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 134+50

+96.6 9.2'LT 133+00 +50 134+00

12' 12' 3.8'

+05 5.0'LT 50' (TYP.) 4YT 4Y

W01-4R

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L 24" X 36"

STOP R1-1 30" X 30"

W01-6 48" X 24"
TYPE III BARRICADE

1 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE SKIP 2 SEG., 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL PRE-STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 291	E

2

PLACE AT INTERSECTION OF HADLEY STREET AND WEIL STREET

ROAD CLOSED AHEAD W20-3

N

STOP R1-1 30" X 30"

ONE WAY R6-1R 36" X 12"

R3-2 24" X 24"

R6-2R 24" X 30" ONE WAY

TYPE III BARRICADE

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

E. HADLEY STREET

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

R9-11A 24" X 12"

DO NOT ENTER R5-1 30" X 30"

WRONG WAY R5-1A 36" X 24"

MATCHLINE STA. 134+50

135+00 +50 136+00 +50 137+00 +50 138+00 +50 139+00 +50 140+00

MATCHLINE STA. 140+50

4YT

12'

50'(TYP.)

3.8'

25'(TYP.)

4Y

12'

N. HUMBOLDT BOULEVARD

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

R3-2 24" X 24"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

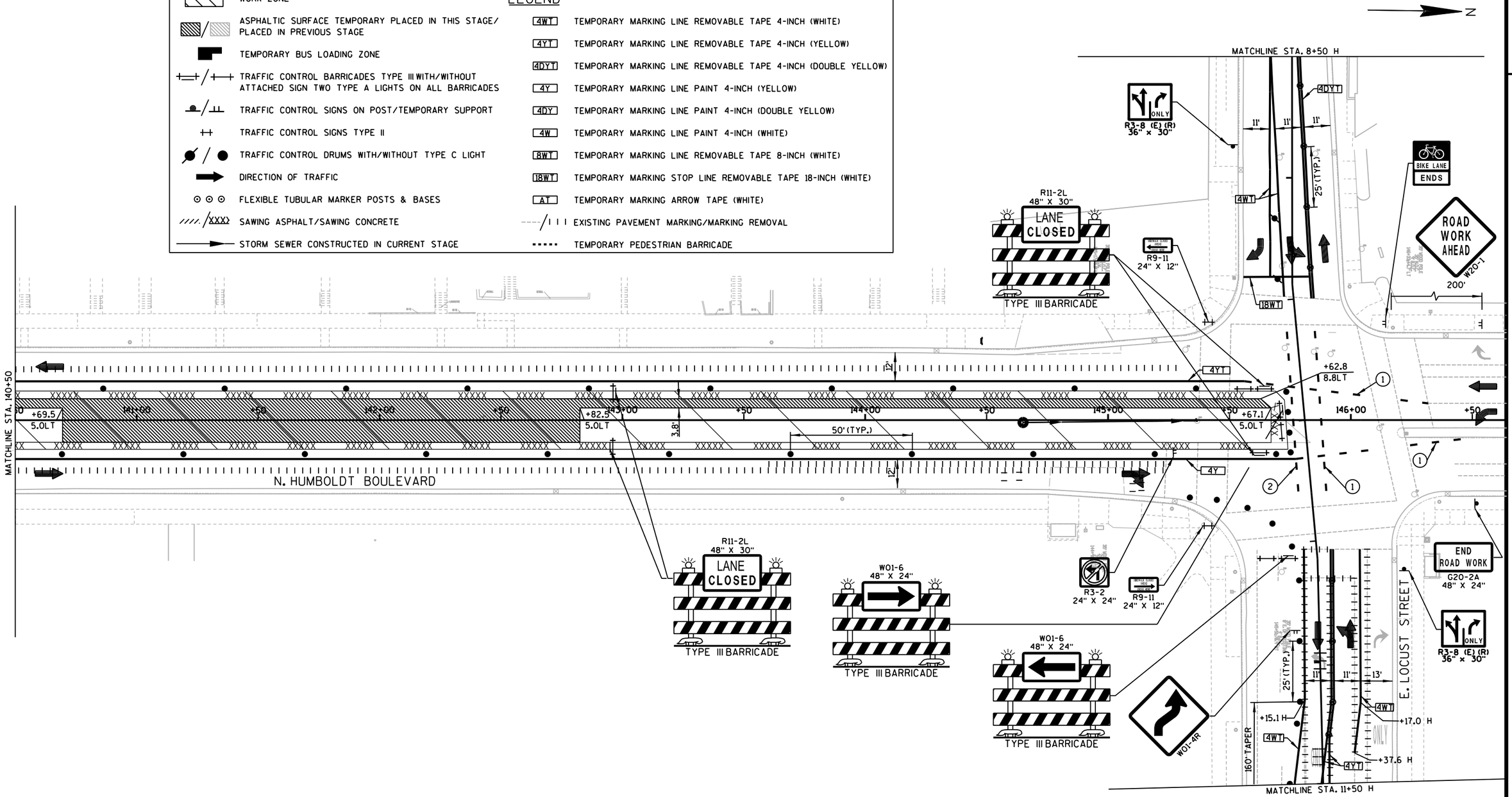
LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL PRE-STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 292	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

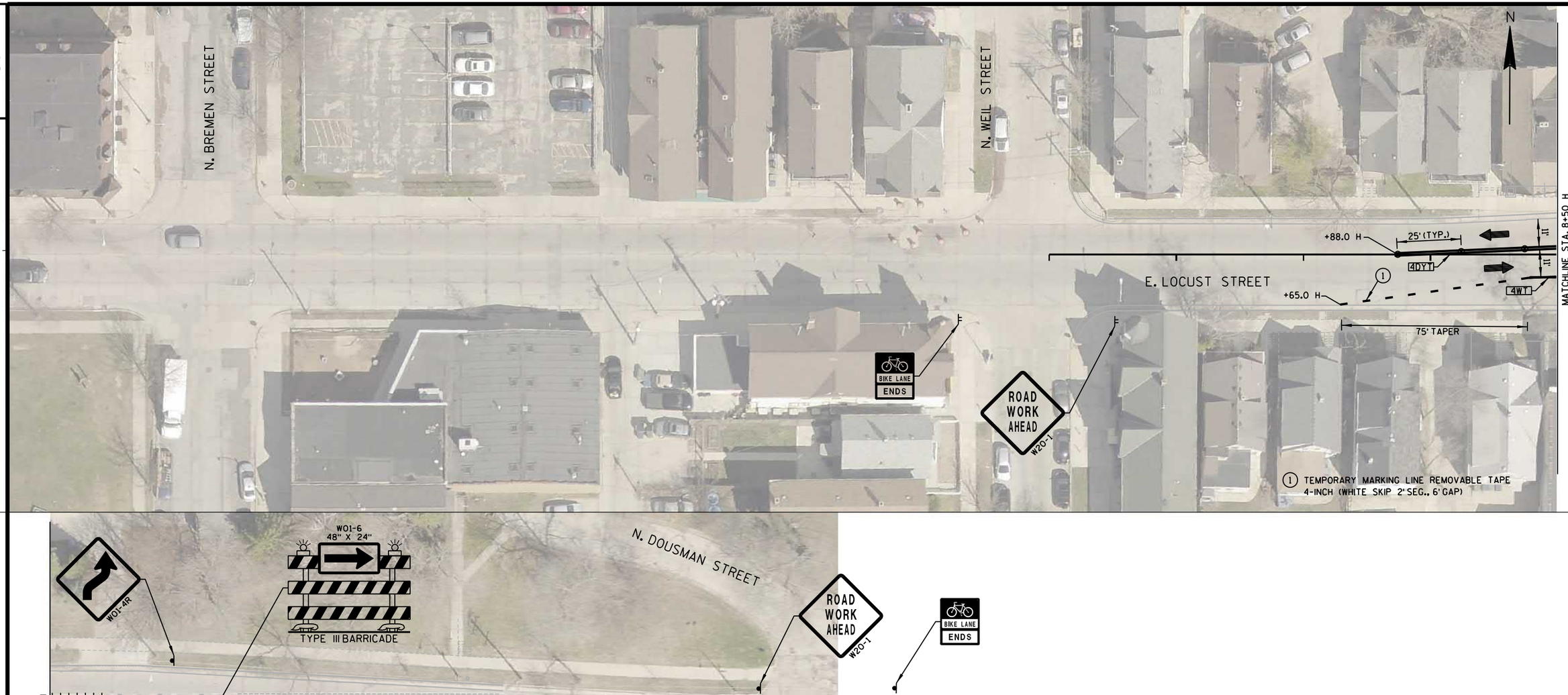


(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)

(2) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2 SEG., 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL PRE-STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 293	E

2



LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL PRE-STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 294	E

2

STAGE 1:

TRAFFIC:

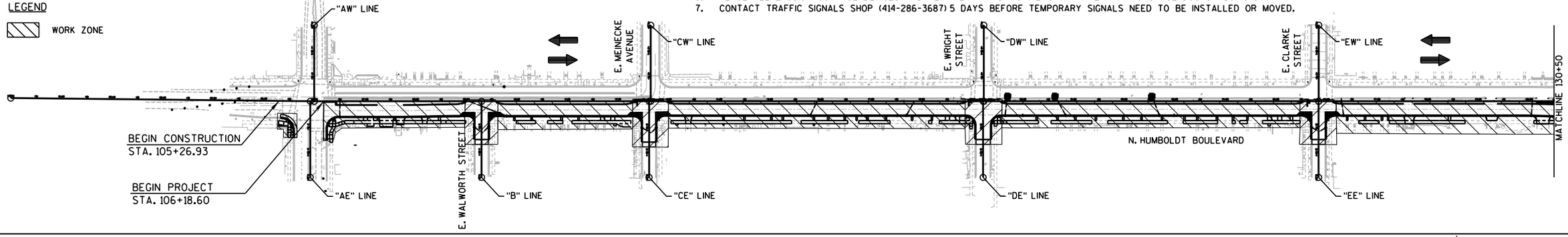
1. NORTHBOUND TRAFFIC SHALL OPERATE ON WEST SIDE OF THE ROADWAY.
2. SOUTHBOUND TRAFFIC SHALL OPERATE ON WEST SIDE OF THE ROADWAY.
3. MAINTAIN PEDESTRIAN SIDEWALK ACCESS ON EXISTING WEST SIDEWALK AND CROSSWALKS ACROSS HUMBOLDT BOULEVARD WHERE SHOWN ON PLANS. EAST SIDEWALK SHALL BE CLOSED TO PEDESTRIAN USE.

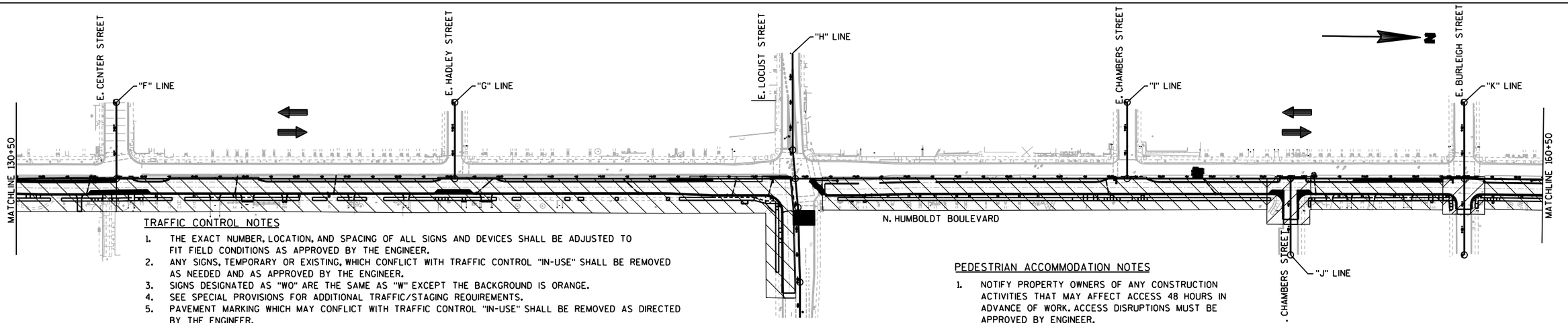
CONSTRUCT:

1. INSTALL TEMPORARY MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE 1 CONSTRUCTION PRIOR TO THE TRAFFIC SWITCH TO STAGE 1.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE 1 TRAFFIC CONTROL.
3. REMOVE EXISTING INLETS, STORM SEWER LATERALS, AND MANHOLES THAT ARE REPLACED IN STAGE 1.
4. REMOVE EXISTING CURB AND GUTTER, STREET LIGHT POLES, AND PAVEMENT WITHIN THE STAGE 1 CONSTRUCTION LIMITS.
5. CONSTRUCT PROPOSED STREET LIGHTING, TRAFFIC SIGNALS, CURB AND GUTTER, PAVEMENT, SIDEWALK, INLETS, AND STORM SEWER LATERALS WITHIN STAGE 1 CONSTRUCTION LIMITS.
6. PLACE ALL EROSION CONTROL DEVICES AND PERTINENT FINISHING ITEMS THAT PERTAIN TO STAGE 1 CONSTRUCTION.
7. CONTACT TRAFFIC SIGNALS SHOP (414-286-3687) 5 DAYS BEFORE TEMPORARY SIGNALS NEED TO BE INSTALLED OR MOVED.

LEGEND

WORK ZONE



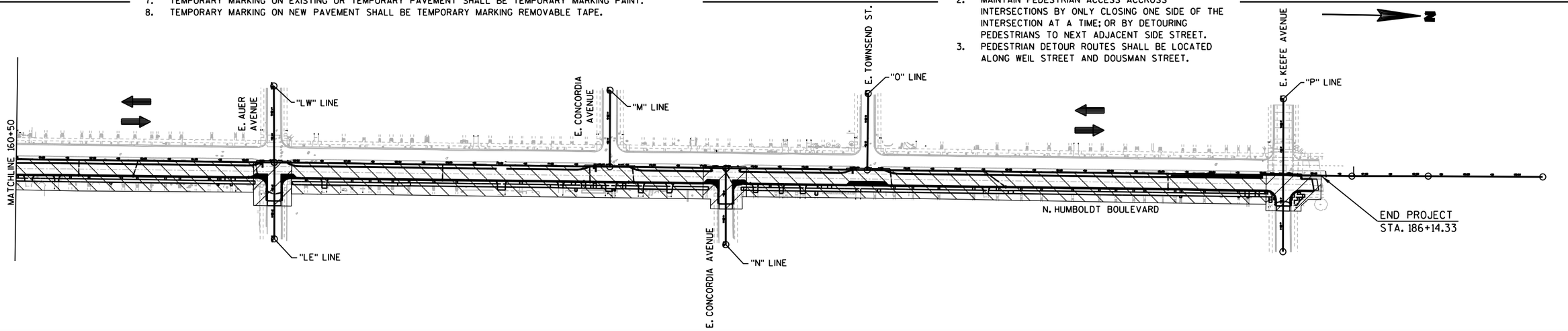


TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS NEEDED AND AS APPROVED BY THE ENGINEER.
3. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
4. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
5. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. TEMPORARY MARKING ON EXISTING OR TEMPORARY PAVEMENT SHALL BE TEMPORARY MARKING PAINT.
8. TEMPORARY MARKING ON NEW PAVEMENT SHALL BE TEMPORARY MARKING REMOVABLE TAPE.

PEDESTRIAN ACCOMMODATION NOTES

1. NOTIFY PROPERTY OWNERS OF ANY CONSTRUCTION ACTIVITIES THAT MAY AFFECT ACCESS 48 HOURS IN ADVANCE OF WORK. ACCESS DISRUPTIONS MUST BE APPROVED BY ENGINEER.
2. MAINTAIN PEDESTRIAN ACCESS ACCROSS INTERSECTIONS BY ONLY CLOSING ONE SIDE OF THE INTERSECTION AT A TIME; OR BY DETOURING PEDESTRIANS TO NEXT ADJACENT SIDE STREET.
3. PEDESTRIAN DETOUR ROUTES SHALL BE LOCATED ALONG WEIL STREET AND DOUSMAN STREET.



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL OVERVIEW - STAGE 1	SHEET 295	E

2

N

END ROAD WORK
G20-2A
48" X 24"

100+00 +50 101+00 +50 102+00 +50 103+00

N. HUMBOLDT AVE

95.7
4WT
+31.9
4DYT
4WT
+17.7
25' (TYP.)
165' TAPER
MATCHLINE STA. 104+50

ROAD WORK AHEAD
W20-1

BIKE LANE ENDS

W01-4L

W01-6
48" X 24"

R9-11
24" X 12"

TYPE III BARRICADE

N. COMMERCE ST

E. GARFIELD AVE

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2' SEG., 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1 DETAILS	SCALE, FEET 0 20 40	SHEET 296	E

2

LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT — TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N

ROAD WORK AHEAD W20-1

PLACE 500' WEST OF HUMBOLDT AVENUE

W01-4L

R9-11A 24" X 12"

USE DURING SIDEROAD CLOSED CONDITION ONLY

R9-11A 24" X 12"

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 104+50

MATCHLINE STA. 110+50

105+00 106+00 107+00 108+00 109+00 110+00

+50 AW +50 AW 9+00 AW +50 AW

4WT 4DYT 4WT 4W 4Y 4W

11' 11' 50' (TYP.) 25' (TYP.)

+25 +75 +93.7 21.7'RT +87.6 27.7'RT +17.5 21.7'RT +67.3 21.7'RT +73.3 27.8'RT +43.5 21.7'RT +17.5 42.9'RT +43.4 45.8'RT

165' TAPER

R9-11 24" X 12"

DO NOT BEGIN CONSTRUCTION OF SOUTHEAST INTERSECTION QUADRANT UNTIL CURB RAMP AND PEDESTRIAN CROSSINGS ON NORTHEAST INTERSECTION QUADRANT ARE COMPLETED IN ORDER TO MAINTAIN A PEDESTRIAN CROSSING FOR HUMBOLDT BOULEVARD.

E. NORTH AVENUE

+50 AE 11+00 AE +50 AE

25' (TYP.)

ONLY ONLY

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

R3-1 24" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

ROAD WORK AHEAD W20-1

PLACE 500' EAST OF HUMBOLDT AVENUE

BIKE LANE ENDS

PLACE AT INTERSECTION OF NORTH AVENUE AND COMMERCE STREET

R9-11 24" X 12"

PLACE AT INTERSECTION OF NORTH AVENUE AND COMMERCE STREET

ASPHALTIC CURB REQ'D

ASPHALTIC CURB REQ'D

+50 B 11+00 B +50 B

E. WALWORTH STREET

1. BEGIN THE CONSTRUCTION OF WALWORTH STREET FOLLOWING THE COMPLETION OF CONSTRUCTION OF MEINECKE AVENUE.

2. SEE "SIDEROAD OPEN/CLOSED STAGE I DETAIL" FOR TRAFFIC CONTROL SIGNING.

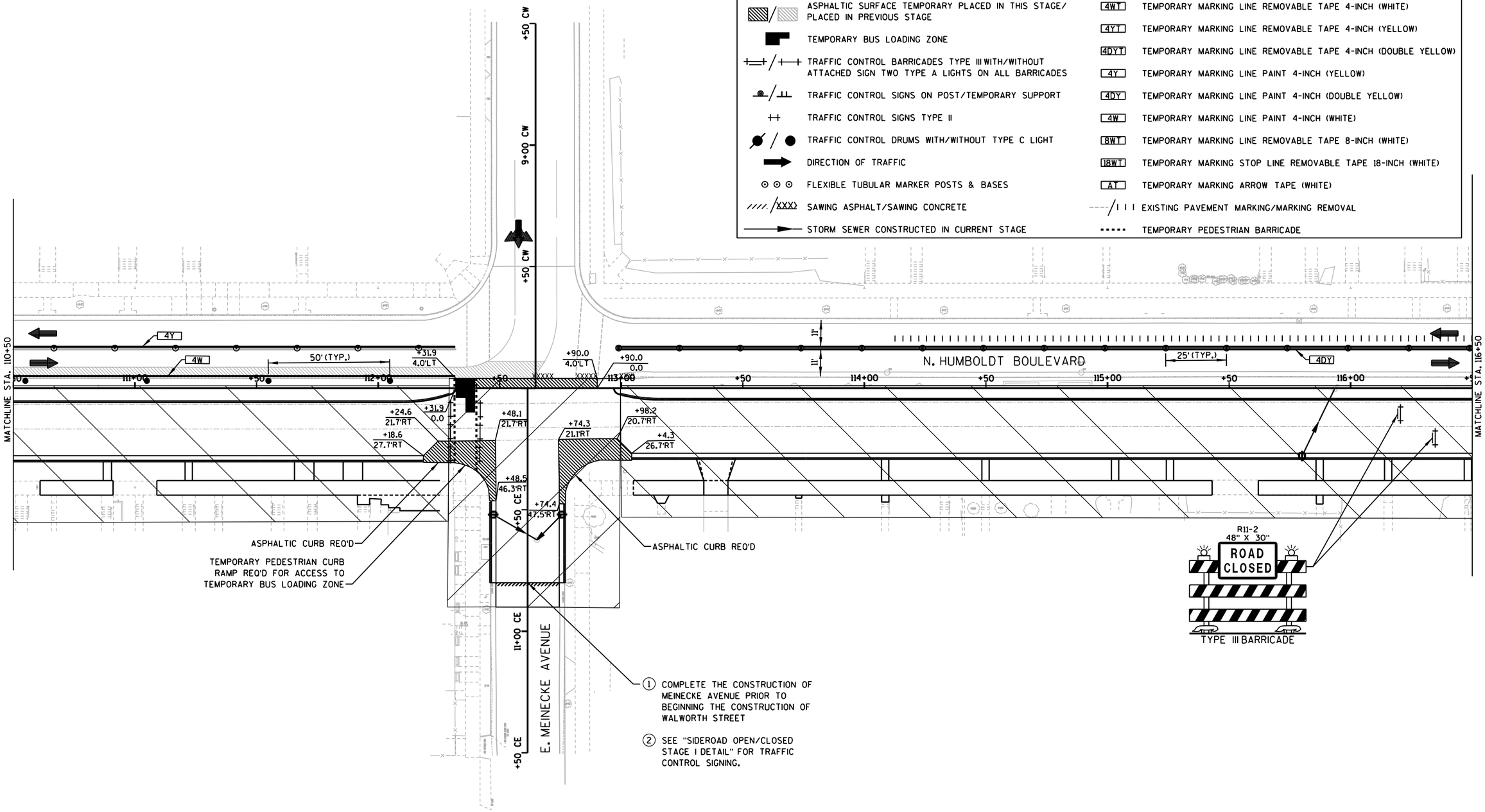
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 297 E

2

N

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	XXXX
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 298	E

2

N

+50 DW

9+00 DW

+50 DW

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

TEMPORARY NORTHBOUND LANE CLOSURE
REQUIRED FOR STORM SEWER INSTALLATION.

TEMPORARY NORTHBOUND LANE CLOSURE
REQUIRED FOR STORM SEWER INSTALLATION.

MATCHLINE STA. 116+50

4DY

25' (TYP.)

+91.3
4.0'LT

+91.3
0.0

117+00 +50 118+00 +50

+45.3
4.0'LT

+45.3
0.0

+65
15.0'LT

+75
15.0'LT

11'

12'

+58
15.0'LT

+68
15.0'LT

N. HUMBOLDT BOULEVARD

4DY

120+00 +50 121+00 +50 122+00

MATCHLINE STA. 122+50

+50 DE

11+00 DE

E. WRIGHT STREET

TEMPORARY PEDESTRIAN CURB
RAMP REQ'D FOR ACCESS TO
TEMPORARY BUS LOADING ZONE

① COMPLETE THE CONSTRUCTION OF WRIGHT STREET PRIOR TO BEGINNING THE CONSTRUCTION OF CLARK STREET.

② SEE "SIDEROAD OPEN/CLOSED STAGE I DETAIL" FOR TRAFFIC CONTROL SIGNING.

LEGEND

- WORK ZONE
- ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
- TEMPORARY BUS LOADING ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
- TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
- TRAFFIC CONTROL SIGNS TYPE II
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SAWING ASPHALT/SAWING CONCRETE
- STORM SEWER CONSTRUCTED IN CURRENT STAGE

- 4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT TEMPORARY MARKING ARROW TAPE (WHITE)
- EXISTING PAVEMENT MARKING/MARKING REMOVAL
- TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 299	E

2

N

+50 EW

9+00 EW

+50 EW

TEMPORARY NORTHBOUND LANE CLOSURE
REQUIRED FOR STORM SEWER INSTALLATION.

TEMPORARY NORTHBOUND LANE CLOSURE
REQUIRED FOR STORM SEWER INSTALLATION.

MATCHLINE STA. 122+50

+60
15.0' LT

4DY

25' (TYP.)

123+00 +50 124+00 +50 125+00 +50 126+00 +50 127+00 +50 128+00

11'

12'

N. HUMBOLDT BOULEVARD

+53

+72

4DY

MATCHLINE STA. 128+50

+47.7
20.7'RT

+41.7
26.7'RT

+71.5
20.7'RT

+97.5
20.7'RT

+21.3
20.7'RT

+27.3
26.7'RT

+71.5
51.8'RT

+97.5
49.4'RT

+50 EE

11+00 EE

+50 EE

E. CLARKE STREET

ASPHALTIC CURB REQ'D

TEMPORARY PEDESTRIAN CURB
RAMP REQ'D FOR ACCESS TO
TEMPORARY BUS LOADING ZONE

ASPHALTIC CURB REQ'D

MAINTAIN ACCESS TO
DRIVEWAY AT ALL TIMES. SEE
PROJECT SPECIFICATIONS FOR
ADDITIONAL INFORMATION.

R11-2
48" X 30"
ROAD
CLOSED

TYPE III BARRICADE

① BEGIN THE CONSTRUCTION OF CLARK STREET FOLLOWING THE COMPLETION OF CONSTRUCTION OF WRIGHT STREET

② SEE "SIDEROAD OPEN/CLOSED STAGE I DETAIL" FOR TRAFFIC CONTROL SIGNING.

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 300	E

LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT — TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N

BIKE LANE ENDS
PLACE AT INTERSECTION OF CENTER STREET AND WEIL STREET

ROAD WORK AHEAD W20-1

E. CENTER STREET

+50 F
9+00 F
+50 F

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

STOP R1-1 30" X 30"

R9-11A 24" X 12"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

STOP R1-1 30" X 30"

TEMPORARY NORTHBOUND LANE CLOSURE REQUIRED FOR STORM SEWER INSTALLATION.

TEMPORARY NORTHBOUND LANE CLOSURE REQUIRED FOR STORM SEWER INSTALLATION.

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

STOP R1-1 30" X 30"

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 128+50

129+00 +14 +37 +50 130+00 +14 +15.0 1.1'RT +15.0 6.1'RT +40 +50 131+00 +50 132+00 +96.4 23.5'RT

4DY 25'(TYP.) +00.0 8.0'RT

18WT +0.0 0.0' +90.3 29.6'RT

4DY 11" 11" 4W 50'(TYP.)

133+00 +50 134+00 +50 +46.7 0.0' +46.7 7.4'RT +7.6 21.9'RT +13.5 27.8'RT

MATCHLINE STA. 134+50

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ASPHALTIC CURB REQ'D

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 301	E

2

N

ROAD WORK AHEAD W20-1

STOP R1-1 30" X 30"

R9-11A 24" X 12"

TEMPORARY NORTHBOUND LANE CLOSURE REQUIRED FOR STORM SEWER INSTALLATION.

TEMPORARY NORTHBOUND LANE CLOSURE REQUIRED FOR STORM SEWER INSTALLATION.

N. HUMBOLDT BOULEVARD

E. HADLEY STREET

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

MATCHLINE STA. 134+50

MATCHLINE STA. 140+50

4DY

25'(TYP.)

50'(TYP.)

4W

4DY

11'

11'

135+00 +50 136+00 +50 137+00 +50 138+00 +50 139+00 +50 140+00

+50 G

9+00 G

+50 G

+77.7 21.7'RT

+27.7 27.7'RT

+41.0 21.7'RT

+46.9 27.7'RT

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

ASPHALTIC CURB REQ'D

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

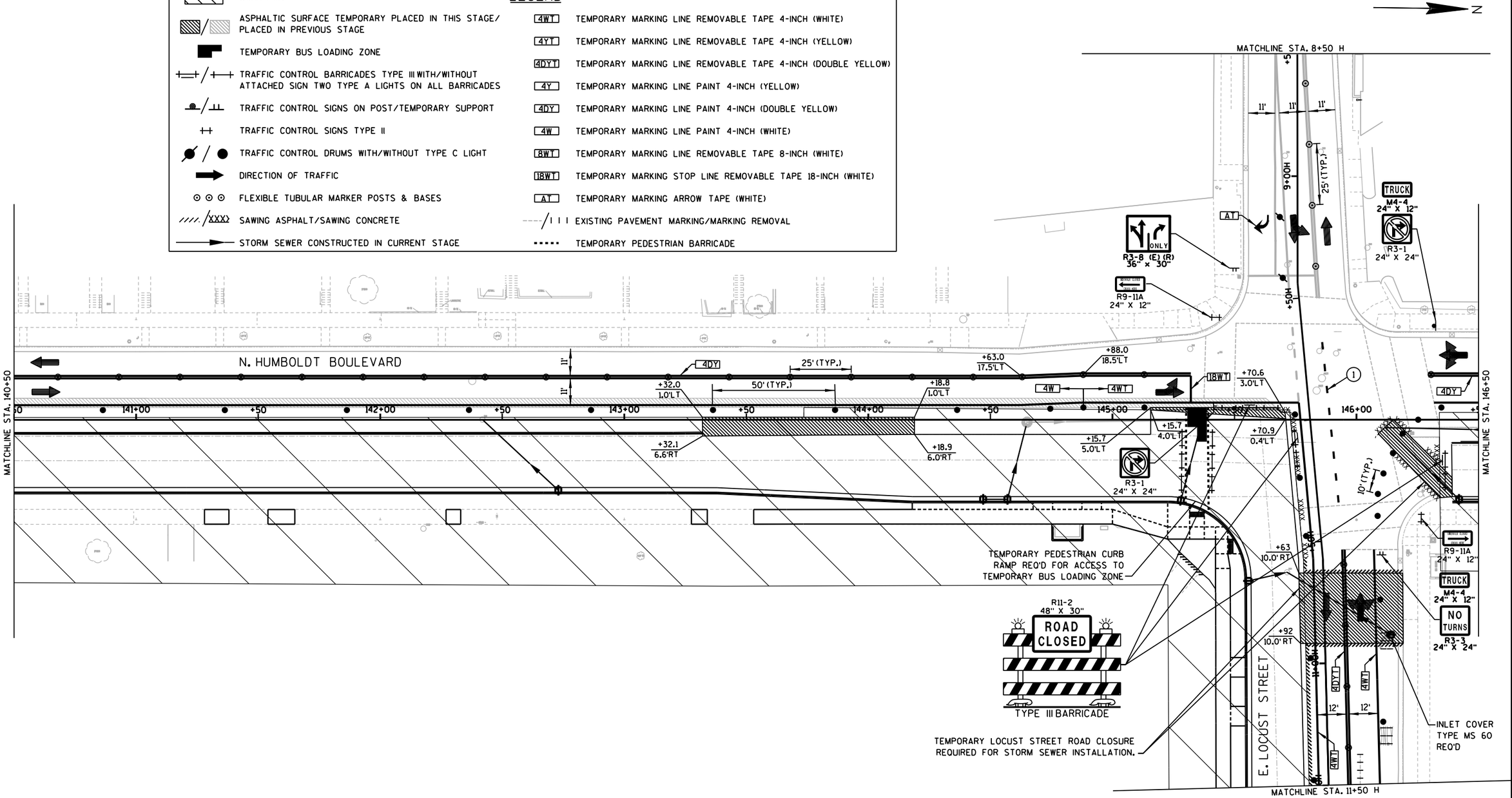
LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 302	E

LEGEND

- WORK ZONE
- ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
- TEMPORARY BUS LOADING ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
- TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
- TRAFFIC CONTROL SIGNS TYPE II
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SAWING ASPHALT/SAWING CONCRETE
- STORM SEWER CONSTRUCTED IN CURRENT STAGE
- 4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT TEMPORARY MARKING ARROW TAPE (WHITE)
- EXISTING PAVEMENT MARKING/MARKING REMOVAL
- TEMPORARY PEDESTRIAN BARRICADE

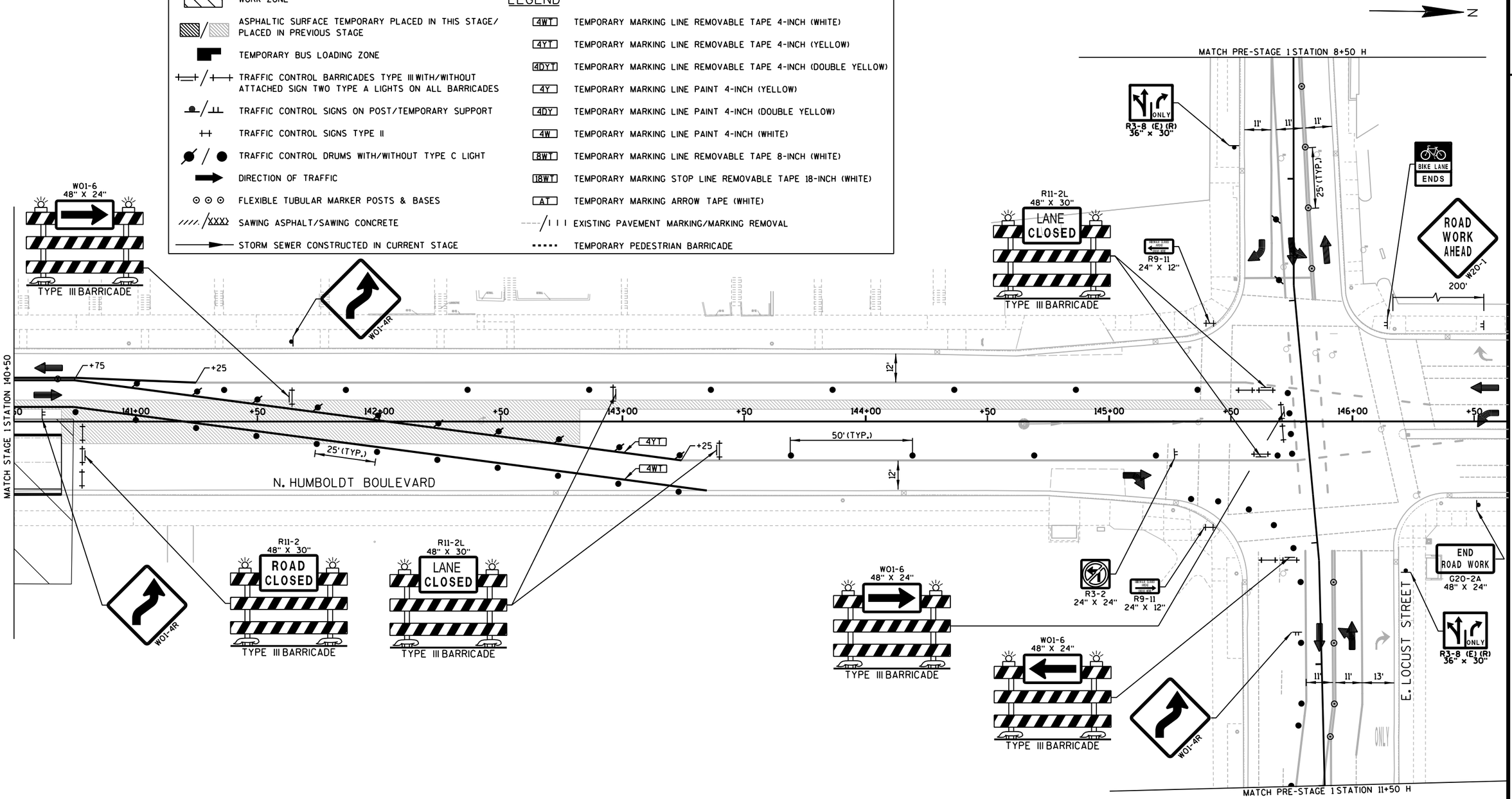


(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW SKIP 2'SEG., 6'GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 303	E

LEGEND

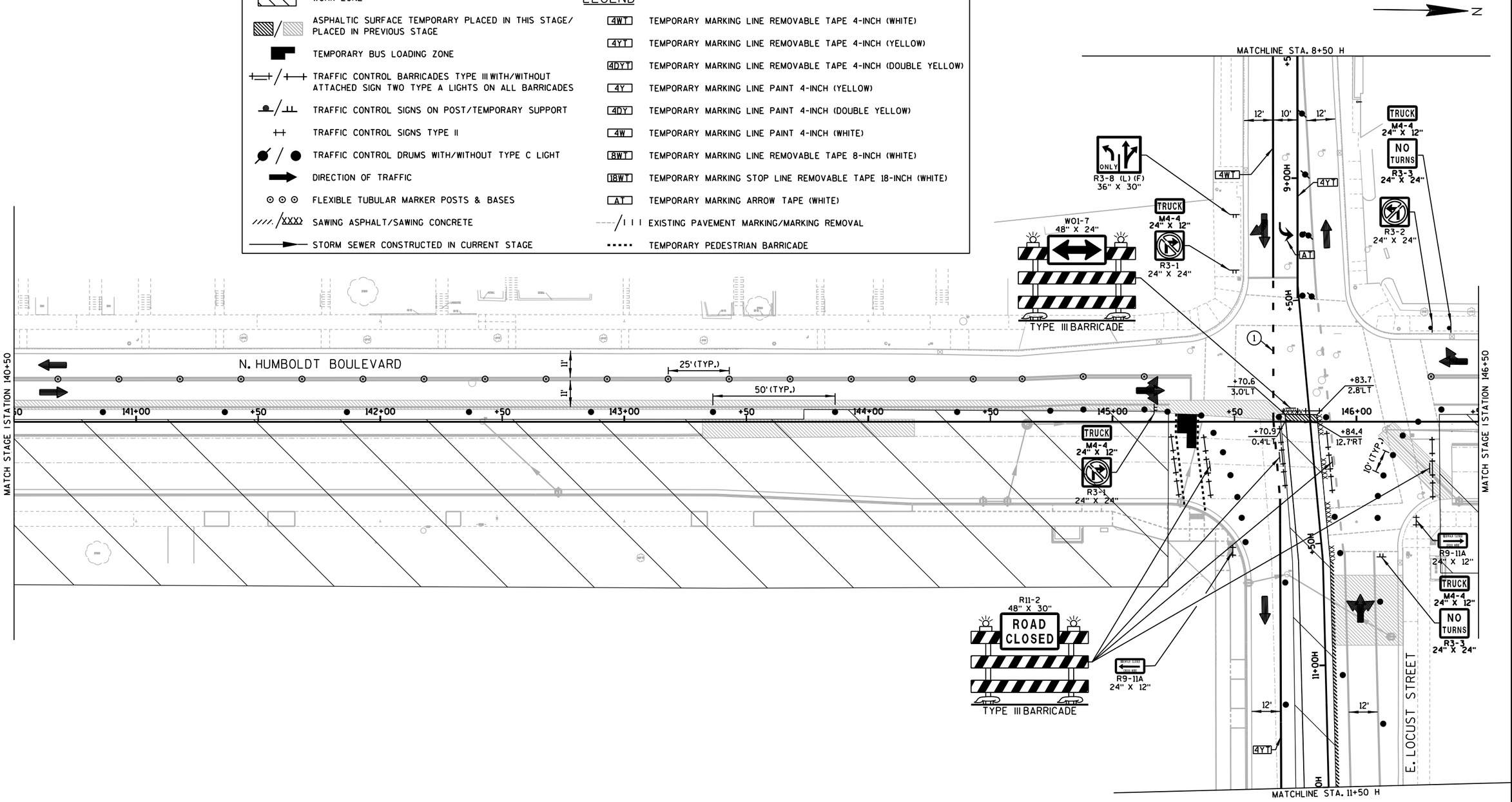
WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1 MODIFIED	SCALE, FEET 0 20 40	SHEET 304	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

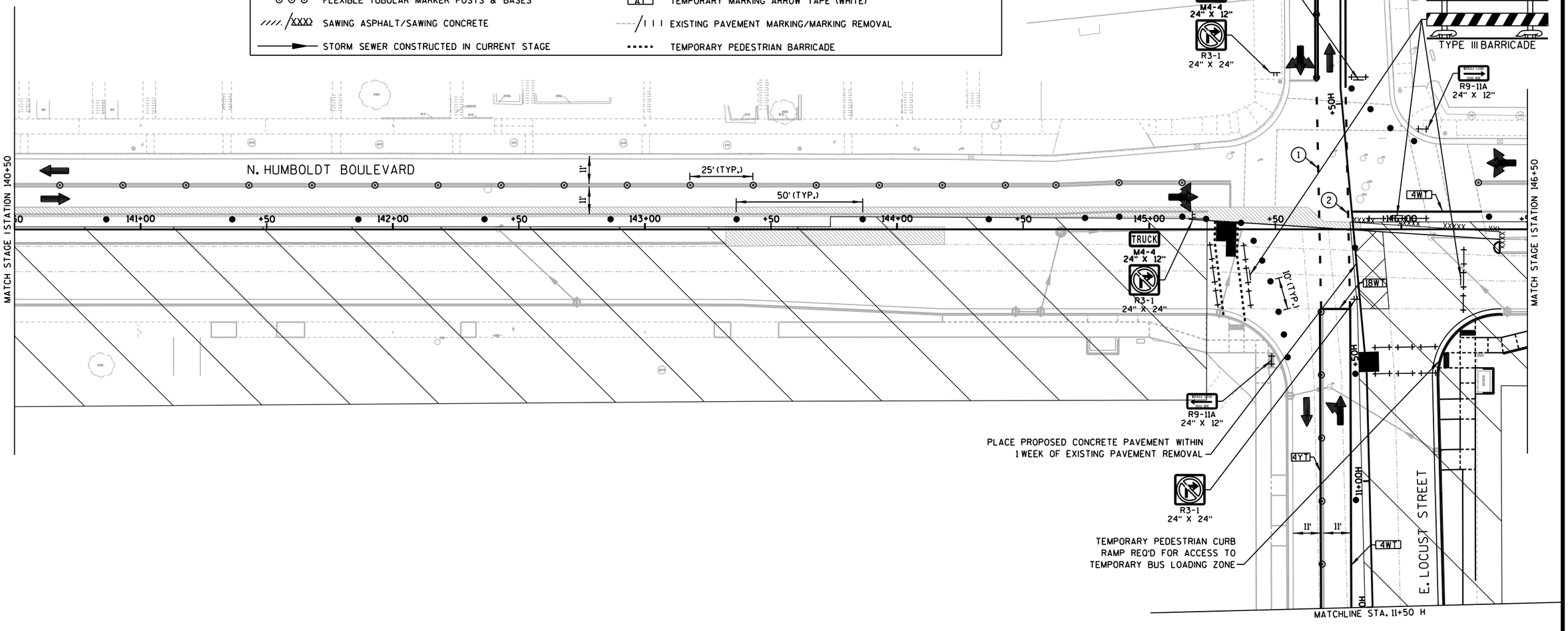


(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IB DETAILS	SCALE, FEET 0 20 40	SHEET 305	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE



1. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW SKIP 2'SEG., 6'GAP)
2. TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2'SEG., 6'GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IC DETAILS	SCALE, FEET 0 20 40	SHEET E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\026108_s1c.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N

ROAD WORK AHEAD W20-1

STOP R1-1 30" X 30"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

E. CHAMBERS STREET

+50 | 9+00 | +50

25'(TYP.)

50'(TYP.)

4W

4DY

11'

11'

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 146+50

147+00 +50 148+00 +50 149+00 +50 150+00 +50 151+00 +50 152+00

+07 +46 +25 +56

MATCHLINE STA. 152+50

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 307	E

2

N

LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT — TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

R9-11A
24" X 12"

TEMPORARY NORTHBOUND AND SOUTHBOUND LANE CLOSURE REQUIRED FOR STORM SEWER INSTALLATION.

TEMPORARY NORTHBOUND LANE CLOSURE REQUIRED FOR STORM SEWER INSTALLATION.

+62 20.0'LT

+82 20.0'LT

N. HUMBOLDT BOULEVARD

25' (TYP.)

11'

11'

4DY

+77.0 2.6'RT

MATCHLINE STA. 152+50

153+00 +50 154+00 +50 155+00 +50 156+00 +50 157+00 +50 158+00

MATCHLINE STA. 158+50

+32.5 3.9'LT

+32.5 0.0'

+85.1 3.9'LT

+85.1 0.0'

+77.0 7.6'RT

+17.3 22.7'RT

+11.3 28.7'RT

+41.1 22.7'RT

+67.2 22.7'RT

+91.0 22.7'RT

+96.9 28.7'RT

+67.1 49.2'RT

+41.1 49.4'RT

J +50

11+00 J

E. CHAMBERS STREET

ASPHALTIC CURB REQ'D

ASPHALTIC CURB REQ'D

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

(1) MAINTAIN BI-DIRECTIONAL ACCESS TO CHAMBERS STREET AT ALL TIMES.

(2) SEE "SIDEROAD OPEN/CLOSED STAGE I DETAIL" FOR TRAFFIC CONTROL SIGNING.

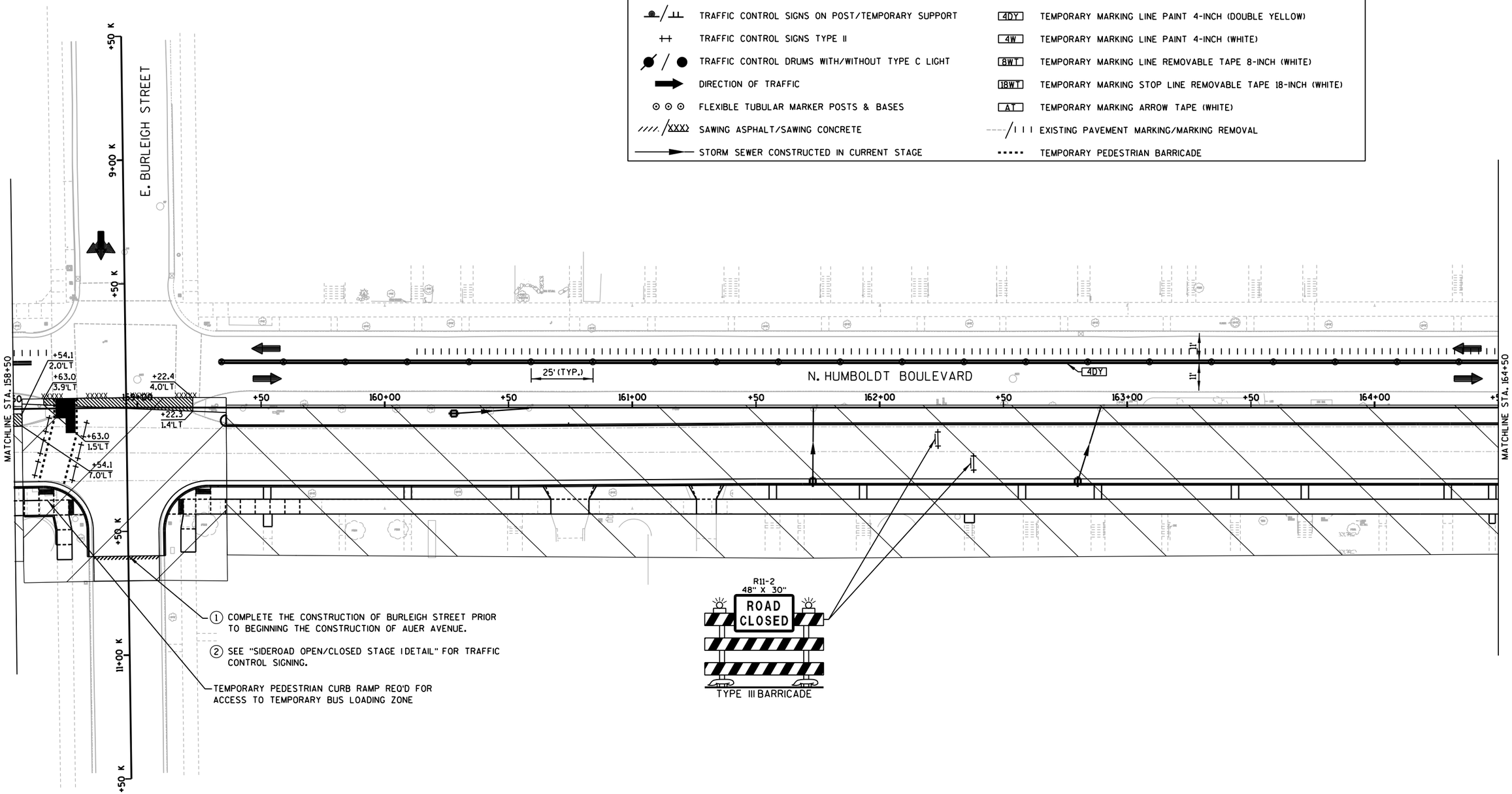
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 308	E

2

LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT — TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N



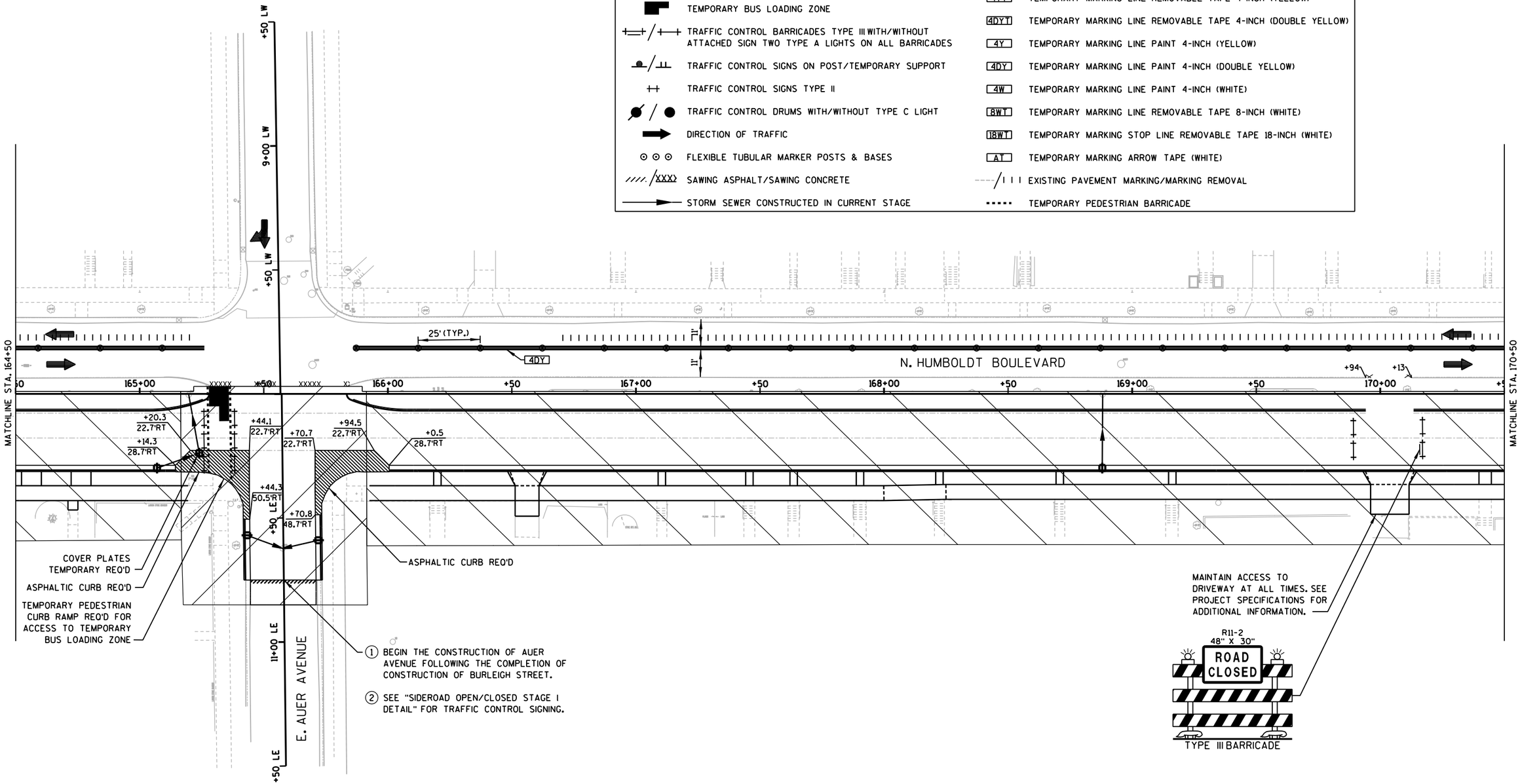
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 309	E

2

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 310	E

2

ROAD WORK AHEAD
W20-1

STOP
R1-1
30" X 30"

R9-11A
24" X 12"

DETOUR
M4-9BR
30" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

USE DURING SIDEROAD CLOSED CONDTION ONLY

R9-11A
24" X 12"

E. CONCORDIA AVENUE

+50 M
9+00 M
+50 M

N. HUMBOLDT BOULEVARD

25'(TYP.)

11'
11'

4DY
4DY

MATCHLINE STA. 170+50

MATCHLINE STA. 176+50

171+00 +50 172+00 +50 173+00 +50 174+00 +50 175+00 +50 176+00

+31.7
22.7'RT
+7.9
22.7'RT
+1.9
28.7'RT
+57.7
22.7'RT
+81.6
22.7'RT
+87.6
28.7'RT
+31.8
47.1'RT
+57.9
50.9'RT

+50 N
11+00 N
+50 N

E. CONCORDIA AVENUE

ASPHALTIC CURB REQ'D

ASPHALTIC CURB REQ'D
INLET COVER TYPE MS 60 REQ'D

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

① BEGIN THE CONSTRUCTION OF CONCORDIA AVENUE FOLLOWING THE COMPLETION OF CONSTRUCTION OF KEEFE AVENUE.

② SEE "SIDEROAD OPEN/CLOSED STAGE I DETAIL" FOR TRAFFIC CONTROL SIGNING.

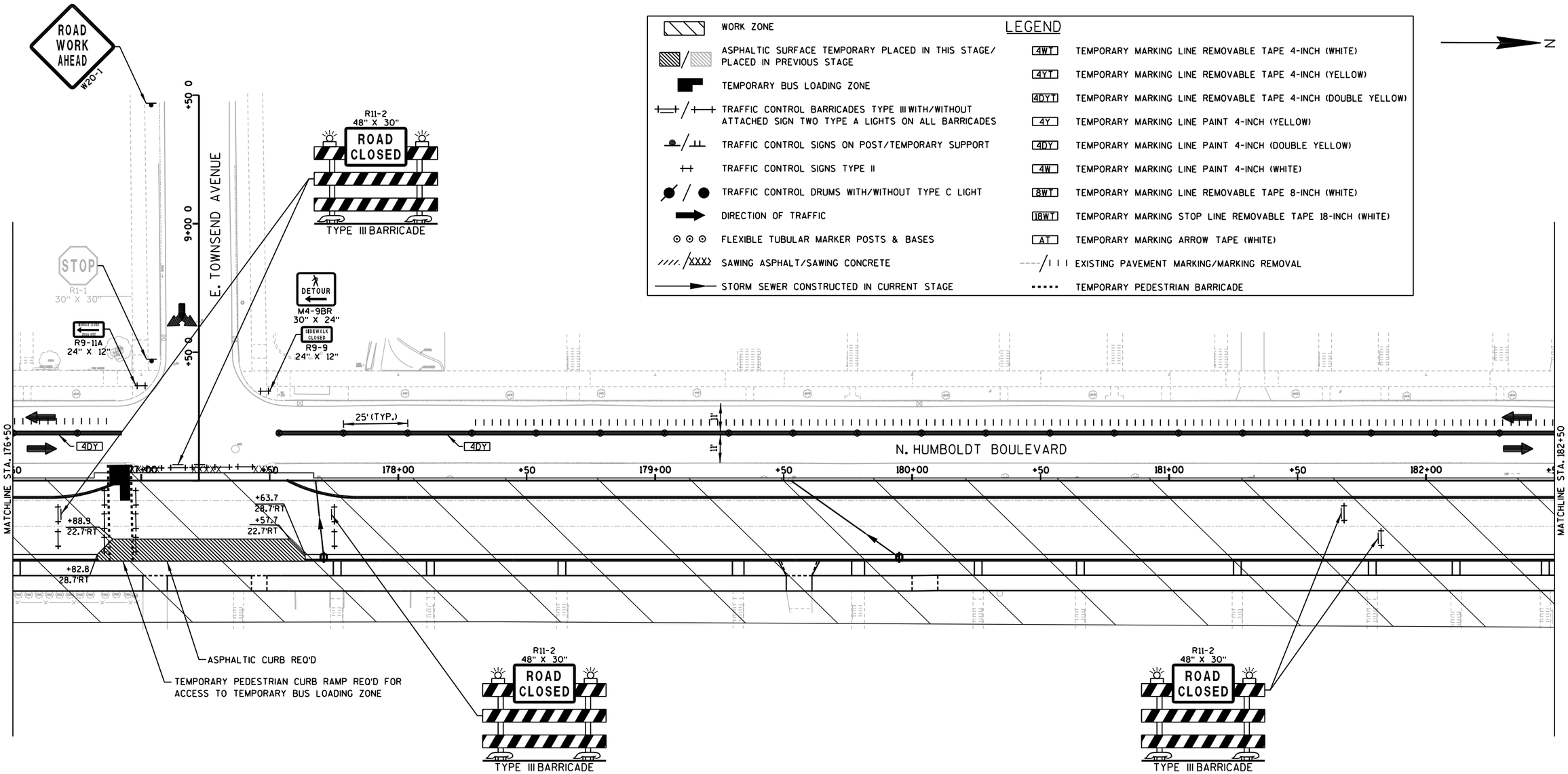
LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

N

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 311	E

2



LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

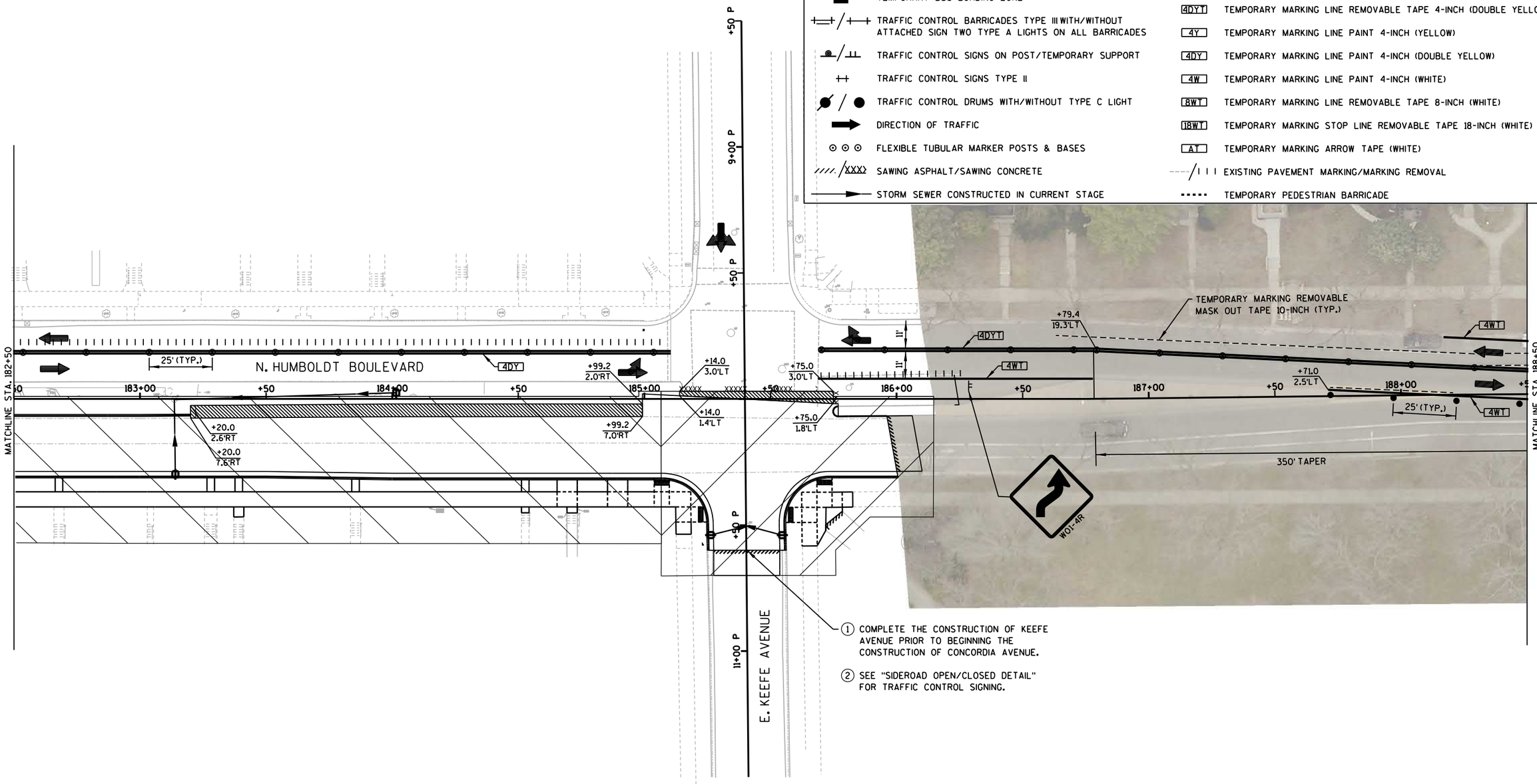
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 312 E

2

N

LEGEND

- WORK ZONE
- ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
- TEMPORARY BUS LOADING ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
- TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
- TRAFFIC CONTROL SIGNS TYPE II
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SAWING ASPHALT/SAWING CONCRETE
- STORM SEWER CONSTRUCTED IN CURRENT STAGE
- 4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT TEMPORARY MARKING ARROW TAPE (WHITE)
- EXISTING PAVEMENT MARKING/MARKING REMOVAL
- TEMPORARY PEDESTRIAN BARRICADE

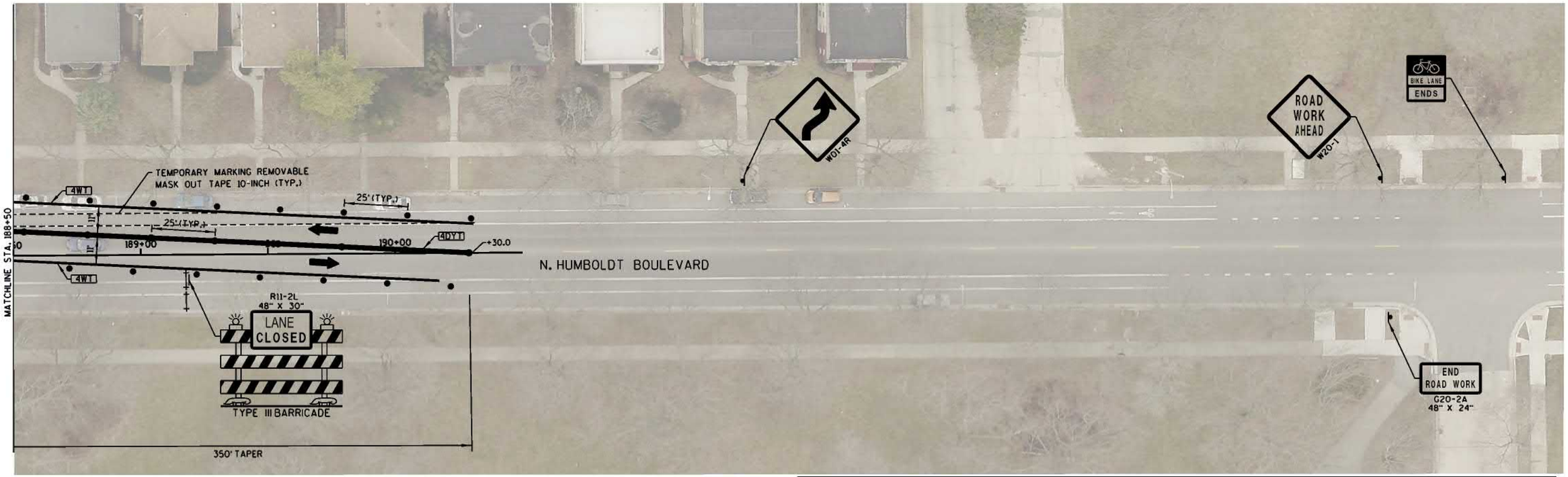


1. COMPLETE THE CONSTRUCTION OF KEEFE AVENUE PRIOR TO BEGINNING THE CONSTRUCTION OF CONCORDIA AVENUE.
2. SEE "SIDEROAD OPEN/CLOSED DETAIL" FOR TRAFFIC CONTROL SIGNING.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 313	E

2

N



LEGEND

WORK ZONE	4W T TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4Y T TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DY T TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8W T TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18W T TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	A T TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

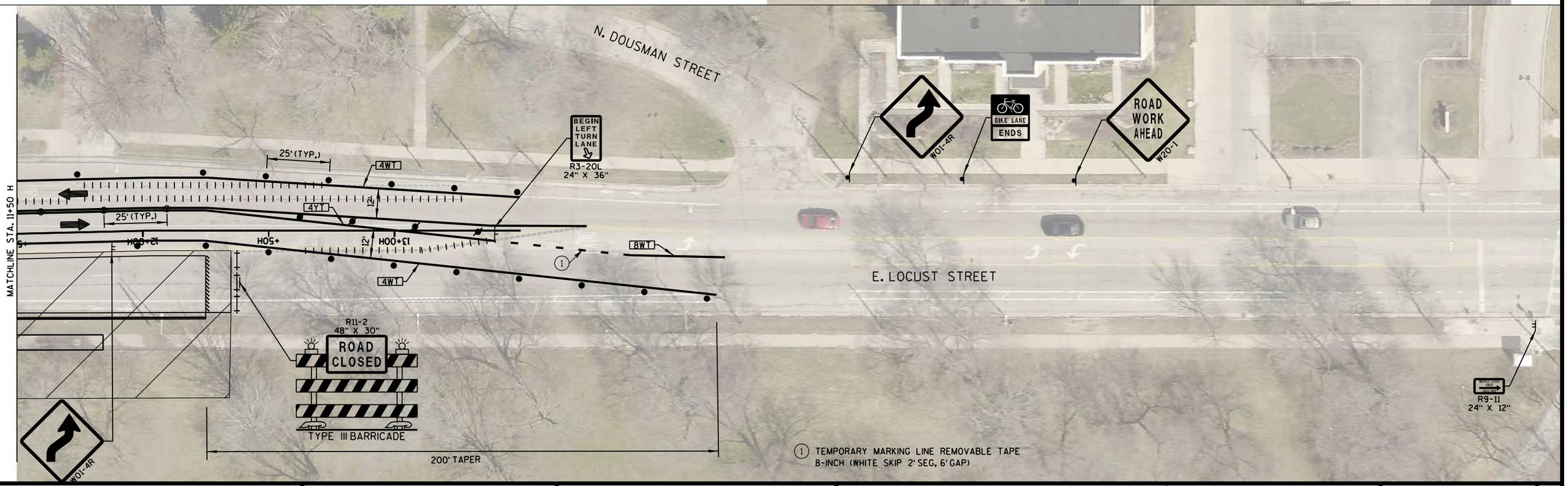
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET	E

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LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE

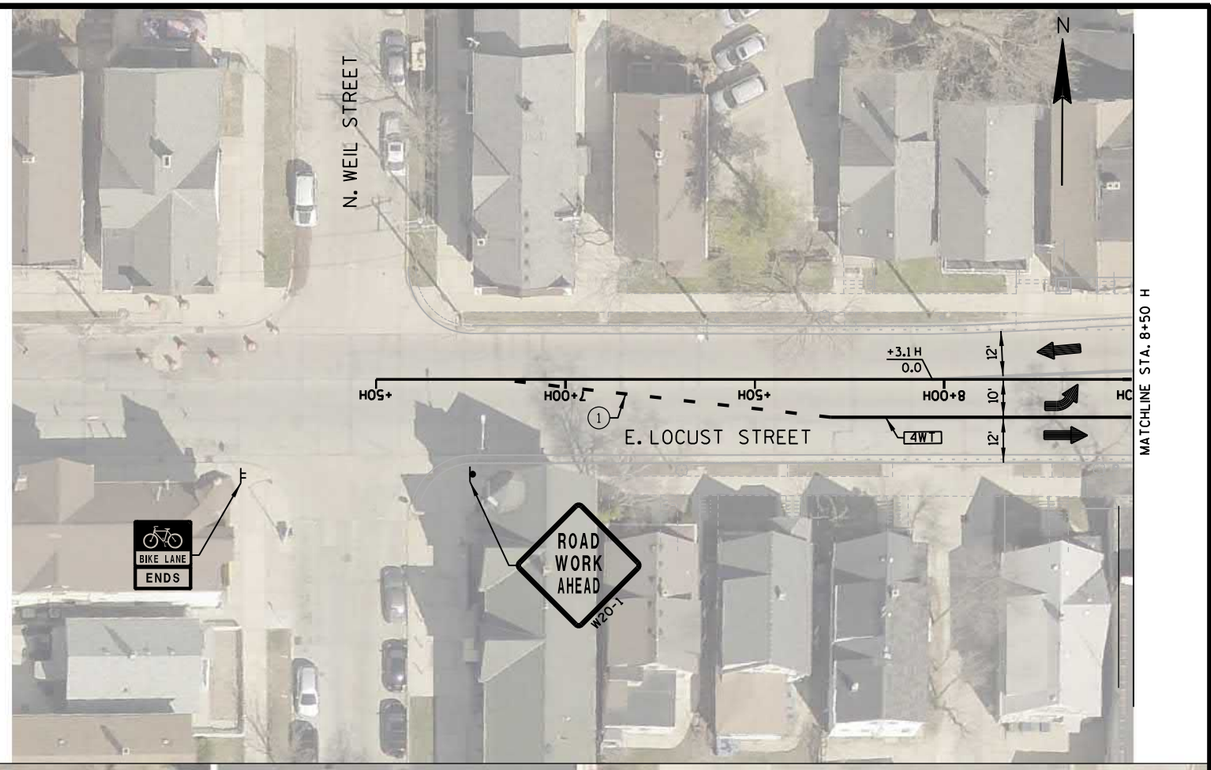


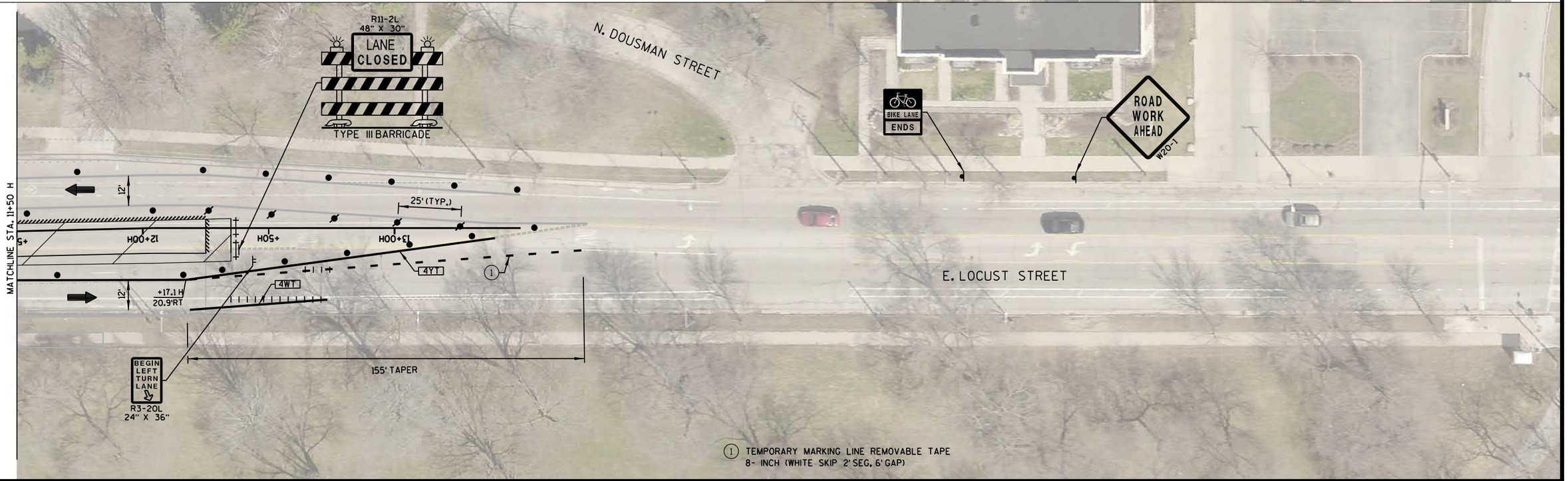


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE I DETAILS	SCALE, FEET 0 20 40	SHEET 315	E

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE



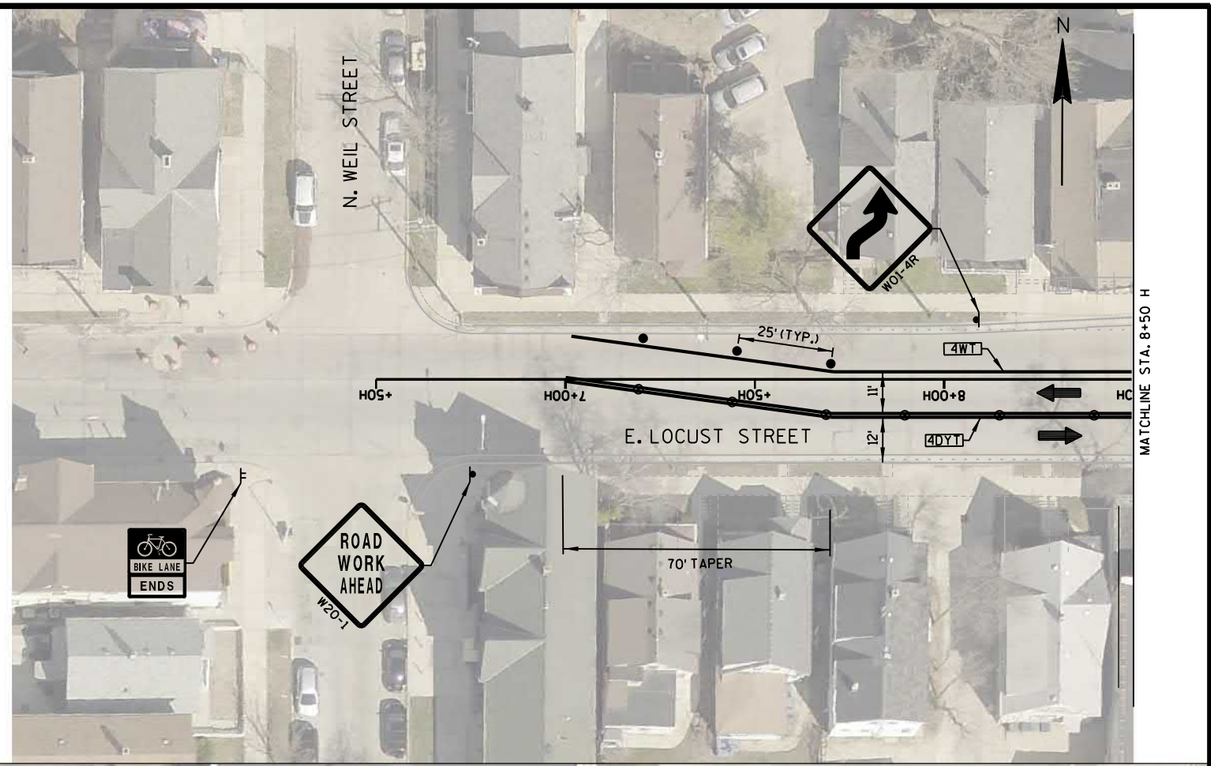


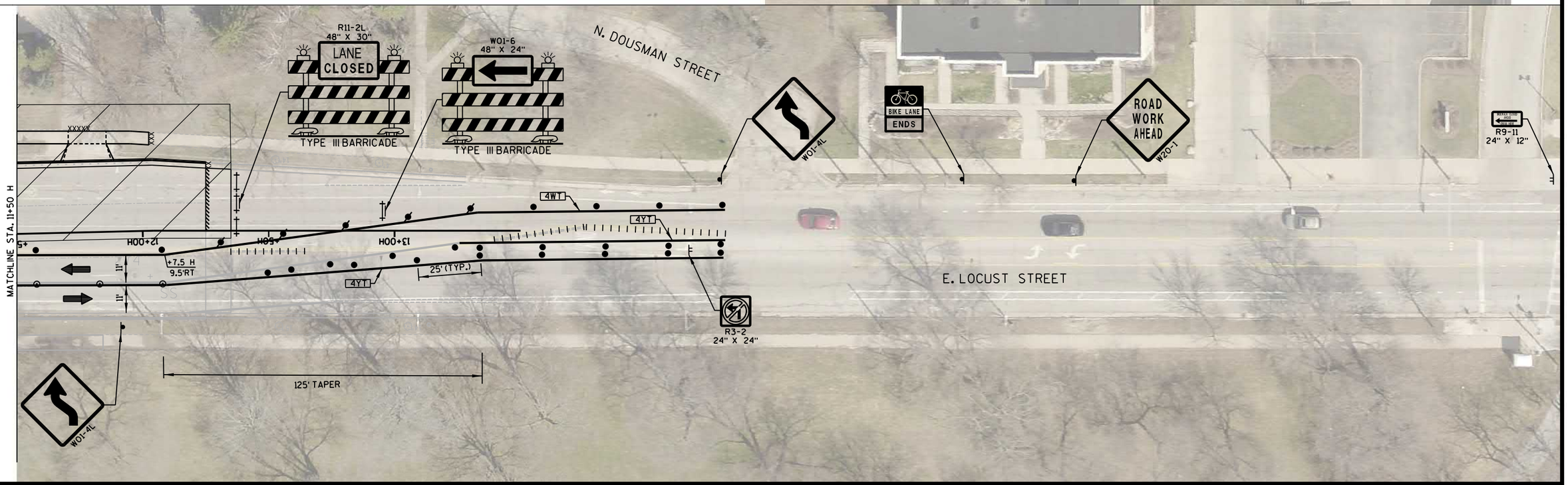
1 TEMPORARY MARKING LINE REMOVABLE TAPE 8- INCH (WHITE SKIP 2' SEG. 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IB DETAILS	SCALE. FEET 0 20 40	SHEET 316	E

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE





PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IC DETAILS	SCALE, FEET 0 20 40	SHEET 317	E

STAGE II:

TRAFFIC:

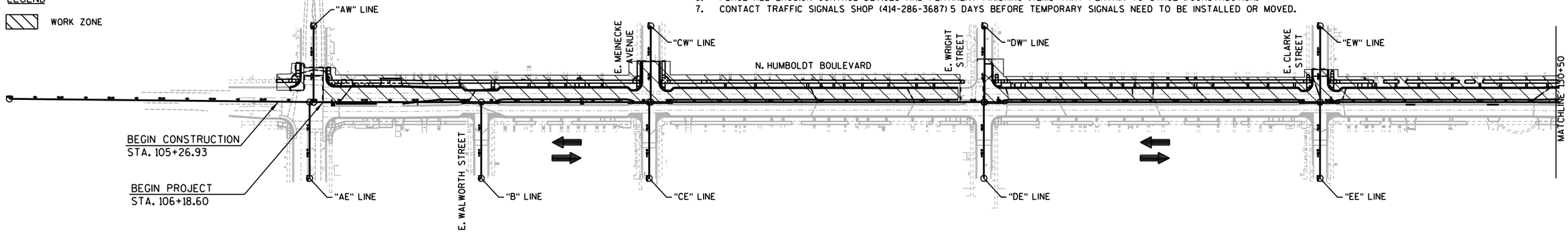
1. SOUTHBOUND TRAFFIC SHALL OPERATE ON THE EAST SIDE OF THE ROADWAY.
2. NORTHBOUND TRAFFIC SHALL OPERATE ON THE EAST SIDE OF THE ROADWAY.
3. MAINTAIN PEDESTRIAN SIDEWALK ACCESS ON EAST SIDEWALK AND CROSSWALKS ACROSS HUMBOLDT WHERE SHOWN ON PLANS. WEST SIDEWALK SHALL BE CLOSED TO PEDESTRIAN USE.

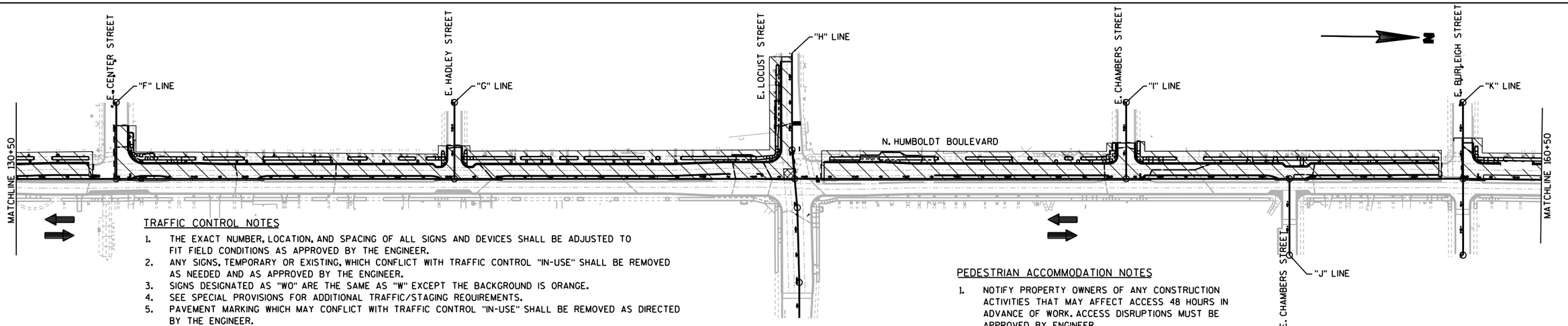
LEGEND

WORK ZONE

CONSTRUCT:

1. INSTALL TEMPORARY AND PERMANENT MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE II CONSTRUCTION PRIOR TO THE TRAFFIC SWITCH TO STAGE II.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE II TRAFFIC CONTROL.
3. REMOVE EXISTING INLETS, STORM SEWER LATERALS, AND MANHOLES THAT ARE REPLACED IN STAGE II.
4. REMOVE EXISTING CURB AND GUTTER, STREET LIGHT POLES, TRAFFIC SIGNALS, AND PAVEMENT WITHIN THE STAGE II CONSTRUCTION LIMITS.
5. CONSTRUCT PROPOSED STREET LIGHTING, CURB AND GUTTER, PAVEMENT, SIDEWALK, INLETS, AND STORM SEWER LATERALS WITHIN STAGE II CONSTRUCTION LIMITS.
6. PLACE ALL EROSION CONTROL DEVICES AND PERTINENT FINISHING ITEMS THAT PERTAIN TO STAGE II CONSTRUCTION.
7. CONTACT TRAFFIC SIGNALS SHOP (414-286-3687) 5 DAYS BEFORE TEMPORARY SIGNALS NEED TO BE INSTALLED OR MOVED.



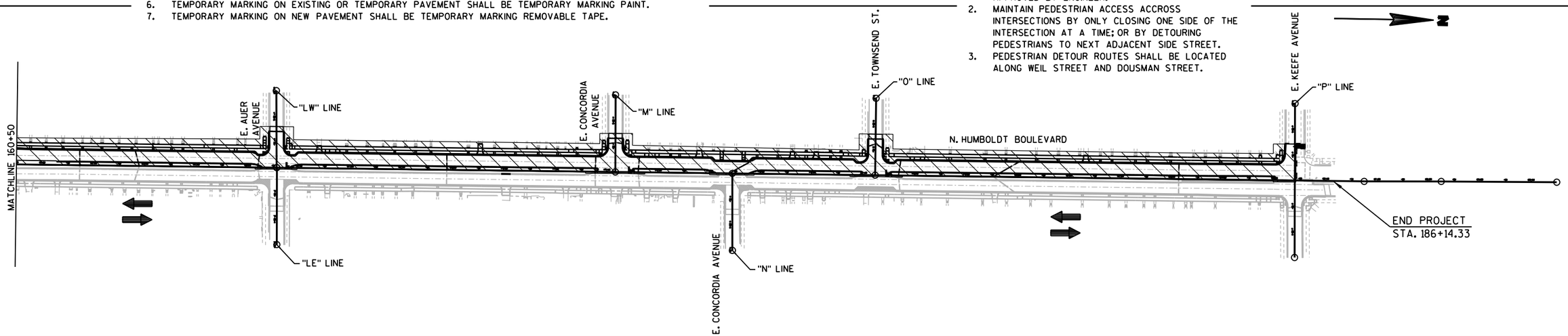


TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS NEEDED AND AS APPROVED BY THE ENGINEER.
3. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
4. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
5. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
6. TEMPORARY MARKING ON EXISTING OR TEMPORARY PAVEMENT SHALL BE TEMPORARY MARKING PAINT.
7. TEMPORARY MARKING ON NEW PAVEMENT SHALL BE TEMPORARY MARKING REMOVABLE TAPE.

PEDESTRIAN ACCOMMODATION NOTES

1. NOTIFY PROPERTY OWNERS OF ANY CONSTRUCTION ACTIVITIES THAT MAY AFFECT ACCESS 48 HOURS IN ADVANCE OF WORK. ACCESS DISRUPTIONS MUST BE APPROVED BY ENGINEER.
2. MAINTAIN PEDESTRIAN ACCESS ACCROSS INTERSECTIONS BY ONLY CLOSING ONE SIDE OF THE INTERSECTION AT A TIME; OR BY DETOURING PEDESTRIANS TO NEXT ADJACENT SIDE STREET.
3. PEDESTRIAN DETOUR ROUTES SHALL BE LOCATED ALONG WEIL STREET AND DOUSMAN STREET.



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL OVERVIEW - STAGE II	SHEET E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\025201_tc_po.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

END ROAD WORK
G20-2A
48" X 24"

R9-11
24" X 12"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

N. HUMBOLDT AVE

100+00 +50 101+00 +50 102+00 +50 103+00 +50 104+00

25' (TYP.)

+20.0
15.6'LT

+32.7
4.6'RT

+53.7
17.7'RT

4WT 4YT 4WT

11' 11'

MATCHLINE STA. 104+50

185' TAPER

ROAD WORK AHEAD
W20-1

BIKE LANE ENDS

W01-4R

N. COMMERCE ST

E. GARFIELD AVE

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

(1) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE SKIP 2'SEG., 6'GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 319	E

2

ROAD WORK AHEAD W20-1

R9-11 24" X 12"

PLACE AT INTERSECTION OF NORTH AVENUE AND WEIL STREET

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N

TEMPORARY NORTH AVENUE LANE CLOSURES REQUIRED FOR STORM SEWER INSTALLATION.

DO NOT BEGIN CONSTRUCTION OF SOUTHWEST QUADRANT UNITL AFTER CURB RAMP AND PEDESTRIAN CROSSING FOR HUMBOLDT BOULEVARD AT NORTHWEST CORNER OF INTERSECTION IS COMPLETED TO MAINTAIN A PEDESTRIAN CROSSING FOR HUMBOLDT BOULEVARD AT ALL TIMES

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

SIDEWALK CLOSED EXCEPT FOR ACCESS TO BUS STOP 30" X 24"

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

MAINTAIN ACCESS TO DRIVEWAY AT ALL TIMES. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

MATCHLINE STA. 104+50

105+00 106+00 107+00 108+00 109+00 110+00

+50 AW +50 AW 9+00 AW

25' (TYP.) 10' (TYP.)

4WT 4DYT 4WT

185' TAPER

W01-4R

R3-1 24" X 24"

R9-11A 24" X 12"

+25 +75 +76.0 19.5'RT +76.0 17.2'RT

11' 11.5' 12'

N. HUMBOLDT BOULEVARD

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR NORTH-SOUTH CROSSING

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

+50 AE 11+00 AE +50 AE

E. NORTH AVENUE

ONLY ONLY

+50 B 11+00 B +50 B

E. WALWORTH STREET

R9-11A 24" X 12"

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR NORTH-SOUTH CROSSING

STOP R1-1 30" X 30"

BIKE LANE ENDS

PLACE AT INTERSECTION OF NORTH AVENUE AND COMMERCE STREET

ROAD WORK AHEAD W20-1

PLACE 400' EAST OF HUMBOLDT BOULEVARD

MATCHLINE STA. 110+50

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 320	E

2

PLACE AT INTERSECTION OF MEINECKE AVENUE AND WEIL STREET

ROAD WORK AHEAD W20-1

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

R9-11 24" X 12"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

PLACE AT INTERSECTION OF MEINECKE AVENUE AND WEIL STREET

SIDEWALK CLOSED EXCEPT FOR ACCESS TO BUS STOP 30" X 24"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

SIDEWALK CLOSED R9-9 24" X 12"

TEMPORARY PEDESTRIAN CURB RAMP REO'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

R3-1 24" X 24"

+50 CW

9+00 CW

+50 CW

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY BUS LOADING ZONE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
DIRECTION OF TRAFFIC	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
SAWING ASPHALT/SAWING CONCRETE	AT TEMPORARY MARKING ARROW TAPE (WHITE)
STORM SEWER CONSTRUCTED IN CURRENT STAGE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

N

MATCHLINE STA. 110+50

111+00 +50 112+00 +50 113+00 +50 114+00 +50 115+00 +50 116+00

MATCHLINE STA. 116+50

4DYT 4DYT 25' (TYP.) 11' 12'

N. HUMBOLDT BOULEVARD

4W 4W

R3-2 24" X 24"

TEMPORARY PEDESTRIAN CURB RAMP REO'D FOR NORTH-SOUTH CROSSING

R9-11A 24" X 12"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

STOP R1-1 30" X 30"

TEMPORARY PEDESTRIAN CURB RAMP REO'D FOR NORTH-SOUTH CROSSING

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

+50 CE

11+00 CE

+50 CE

E. MEINECKE AVENUE

ROAD WORK AHEAD W20-1

PLACE 300' EAST OF HUMBOLDT BOULEVARD

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 321	E

2

N

PLACE AT INTERSECTION OF WRIGHT STREET AND WEIL STREET

ROAD WORK AHEAD W20-1

55' TAPER

25' (TYP.)

+50 DW

E. WRIGHT STREET

4Y-1

R9-11 24" X 12"

PLACE AT INTERSECTION OF WRIGHT STREET AND WEIL STREET

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

SIDEWALK CLOSED EXCEPT FOR ACCESS TO BUS STOP 30" X 24"

DO NOT ENTER R5-1 30" X 30"

R9-11 24" X 12"

12'

9+00 DW

60'

+50 DW

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

R3-1 24" X 24"

4W-1

MATCHLINE STA. 116+50

116+00 +50 117+00 +50 118+00 +50 119+00 120+00 +50 121+00 +50 122+00

MATCHLINE STA. 122+50

4DY-1

N. HUMBOLDT BOULEVARD

25' (TYP.)

11'

12'

4DY-1

R3-2 24" X 24"

+50 DE

11+00 DE

R9-11A 24" X 12"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

ROAD WORK AHEAD W20-1

PLACE 250' EAST OF HUMBOLDT BOULEVARD

LEGEND

	WORK ZONE
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
	TEMPORARY BUS LOADING ZONE
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
	TRAFFIC CONTROL SIGNS TYPE II
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	DIRECTION OF TRAFFIC
	FLEXIBLE TUBULAR MARKER POSTS & BASES
XXXX	SAWING ASPHALT/SAWING CONCRETE
	STORM SEWER CONSTRUCTED IN CURRENT STAGE

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 322	E

2

PLACE AT INTERSECTION OF WRIGHT STREET AND WEIL STREET

R9-11
24" X 12"

PLACE AT INTERSECTION OF WRIGHT STREET AND BREMEN STREET

ROAD CLOSED AHEAD
W20-3

DO NOT ENTER
R5-1
30" X 30"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

PLACE AT INTERSECTION OF WRIGHT STREET AND WEIL STREET

SIDEWALK CLOSED
R9-9
24" X 12"

E. WRIGHT STREET

12'

50'(TYP.)

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

SIDEWALK CLOSED
R9-9
24" X 12"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

N

MATCH STAGE II STATION 116+50

117+00 +50 118+00 +50 119+00 120+00 +50 121+00 +50 122+00

MATCH STAGE II STATION 122+50

25'(TYP.)

N. HUMBOLDT BOULEVARD

11'

12'

R9-11A
24" X 12"

W01-6
48" X 24"
TYPE III BARRICADE

DETOUR
M4-9BR
30" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

ROAD WORK AHEAD
W20-1

PLACE 250'EAST OF HUMBOLDT BOULEVARD

LEGEND

- WORK ZONE
- ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
- TEMPORARY BUS LOADING ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
- TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
- TRAFFIC CONTROL SIGNS TYPE II
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SAWING ASPHALT/SAWING CONCRETE
- STORM SEWER CONSTRUCTED IN CURRENT STAGE

- 4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT TEMPORARY MARKING ARROW TAPE (WHITE)
- EXISTING PAVEMENT MARKING/MARKING REMOVAL
- TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IIB DETAILS	SCALE, FEET 0 20 40	SHEET 323	E

2

N

PLACE AT INTERSECTION OF CLARK STREET AND WEIL STREET

ROAD CLOSED AHEAD W20-3

R9-11 24" X 12"

PLACE AT INTERSECTION OF CLARK STREET AND WEIL STREET

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

PLACE AT INTERSECTION OF CLARK STREET AND WEIL STREET

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED AHEAD R9-10 (MOD) 24" X 12"

SIDEWALK CLOSED R9-9 24" X 12"

SIDEWALK CLOSED EXCEPT FOR ACCESS TO BUS STOP 30" X 24"

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

R3-1 24" X 24"

+50 EW

9+00 EW

+50 EW

MATCHLINE STA. 122+50

MATCHLINE STA. 128+50

125+00 +50 124+00 +50 125+00 +50 126+00 +50 127+00 +50 128+00

4DYT

4DYT

+53 +72 11' 12'

N. HUMBOLDT BOULEVARD

4W

4W

R3-2 24" X 24"

SIDEWALK CLOSED R9-11A 24" X 12"

+50 EE

11+00 EE

+50 EE

E. CLARKE STREET

DETOUR M4-9BR 30" X 24"

STOP R1-1 30" X 30"

SIDEWALK CLOSED R9-9 24" X 12"

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR NORTH-SOUTH CROSSING

ROAD WORK AHEAD W20-1

PLACE 250' EAST OF HUMBOLDT BOULEVARD

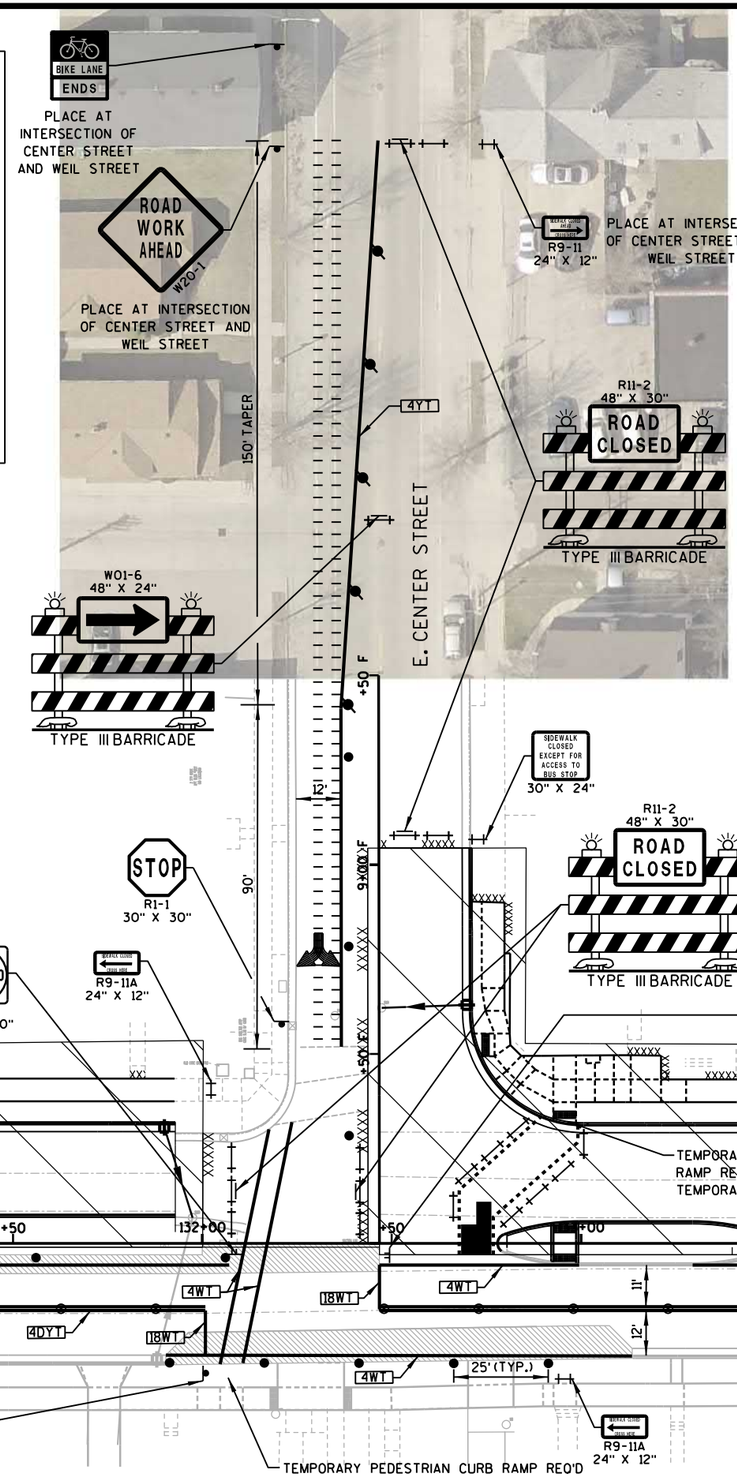
LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE XXXX	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 324	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 325	E

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE

N

PLACE AT INTERSECTION OF CENTER STREET AND BREMEN STREET

ROAD WORK AHEAD W20-1

BIKE LANE ENDS

PLACE AT INTERSECTION OF CENTER STREET AND WEIL STREET

PLACE AT INTERSECTION OF CENTER STREET AND WEIL STREET

R9-11 24" X 12"

W01-4L

PLACE AT INTERSECTION OF CENTER STREET AND WEIL STREET

25' (TYP.)

160' TAPER

4YT

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

W01-6 48" X 24"

TYPE III BARRICADE

4WT

12'

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

E. CENTER STREET

STOP R1-1 30" X 30"

R3-1 24" X 24"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

SIDEWALK CLOSED R9-9 24" X 12"

DO NOT ENTER R5-1 30" X 30"

18WT

STOP R1-1 30" X 30"

R3-1 24" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

MATCH STAGE II STATION 128+50

129+00 +50 130+00 +50 131+00 +50 132+00 +50 133+00 +50 134+00 +50

MATCH STAGE II STATION 134+50

25' (TYP.)

50' (TYP.)

18WT

11'

12'

N. HUMBOLDT BOULEVARD

STOP R1-1 30" X 30"

R3-2 24" X 24"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

R9-11A 24" X 12"

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IIB DETAILS	SCALE, FEET 0 20 40	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\026206_s2b.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

PLACE AT INTERSECTION OF HADLEY STREET AND WEIL STREET

ROAD WORK AHEAD W20-1

PLACE AT INTERSECTION OF HADLEY STREET AND WEIL STREET

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED AHEAD R9-10 (MOD) 24" X 12"

PLACE AT INTERSECTION OF HADLEY STREET AND WEIL STREET

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

ROAD CLOSED AHEAD R9-11 24" X 12"

SIDEWALK CLOSED R9-9 24" X 12"

SIDEWALK CLOSED R9-9 24" X 12"

R3-1 24" X 24"

E. HADLEY STREET

+50 G

9+00 G

+50 G

MATCHLINE STA. 134+50

135+00 +50 136+00 +50 137+00 +50 138+00 +50 139+00 +50 140+00

MATCHLINE STA. 140+50

50' (TYP.)

4WT

11'

12'

4DYT

N. HUMBOLDT BOULEVARD

25' (TYP.)

4WT

4WT

25' (TYP.)

R3-2 24" X 24"

ROAD CLOSED AHEAD R9-11 24" X 12"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

LEGEND

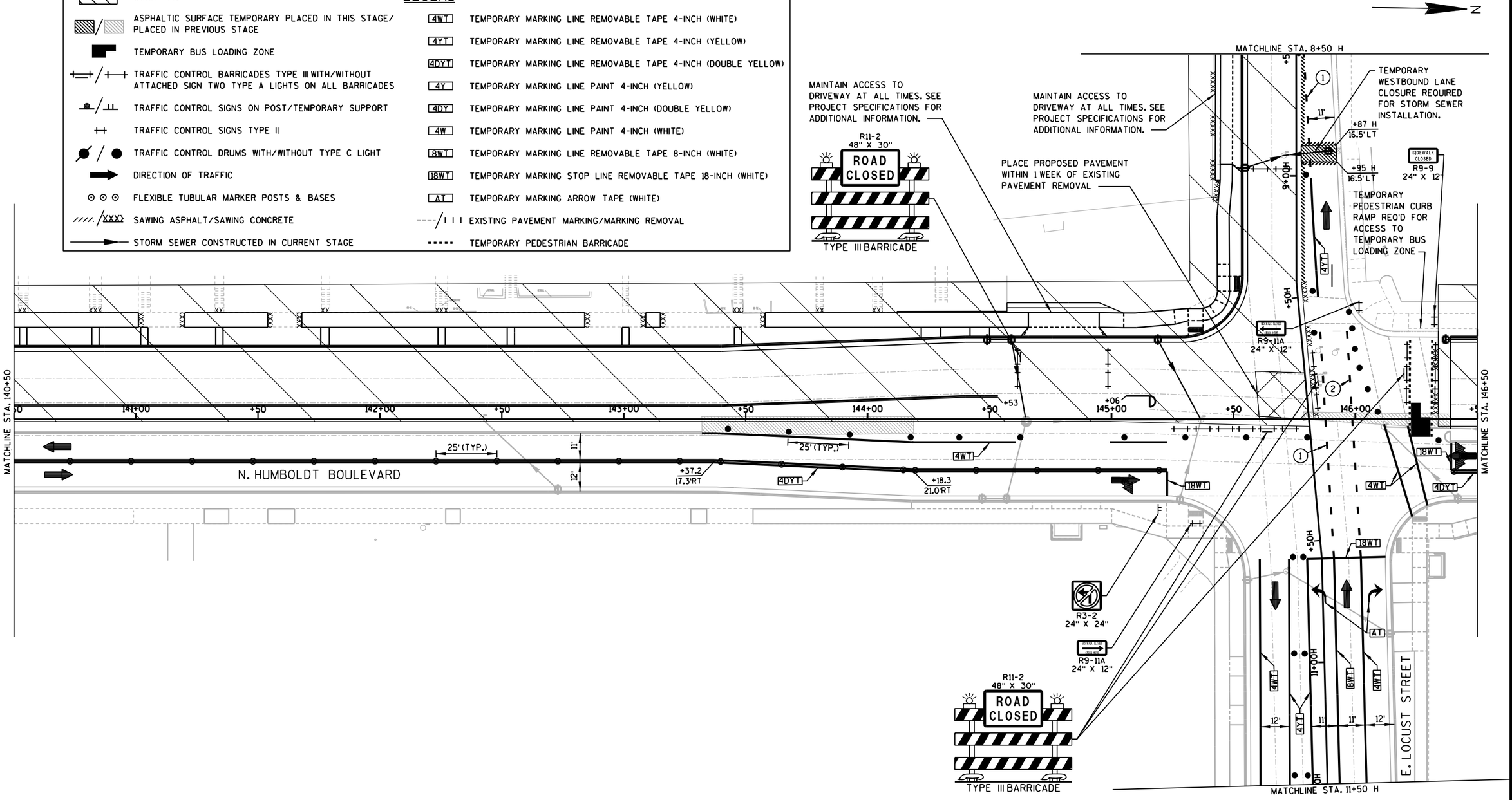
	WORK ZONE
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
	TEMPORARY BUS LOADING ZONE
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
	TRAFFIC CONTROL SIGNS TYPE II
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	DIRECTION OF TRAFFIC
	FLEXIBLE TUBULAR MARKER POSTS & BASES
XXXX	SAWING ASPHALT/SAWING CONCRETE
	STORM SEWER CONSTRUCTED IN CURRENT STAGE

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 327	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE



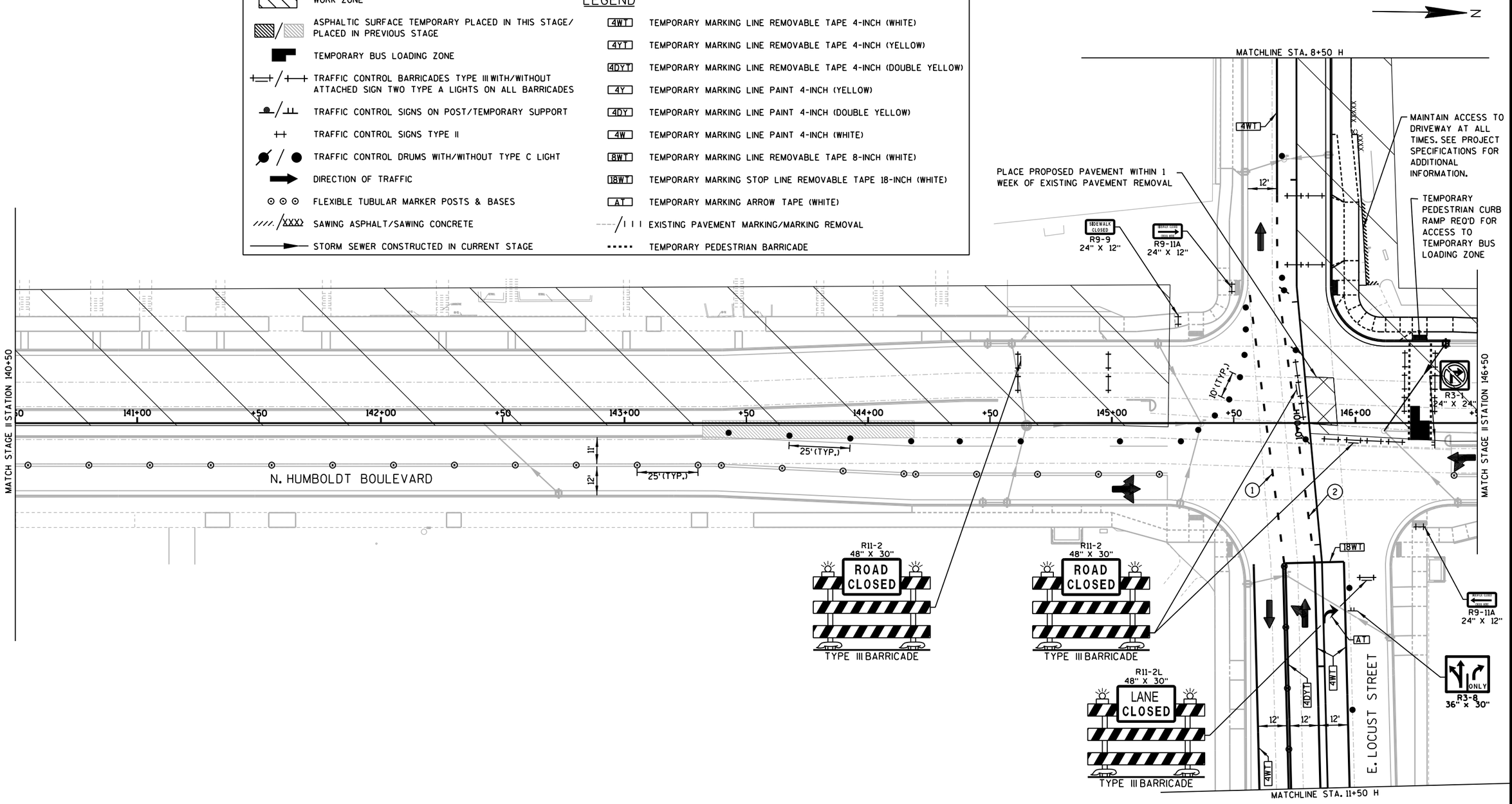
(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)

(2) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2' SEG., 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 328	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE



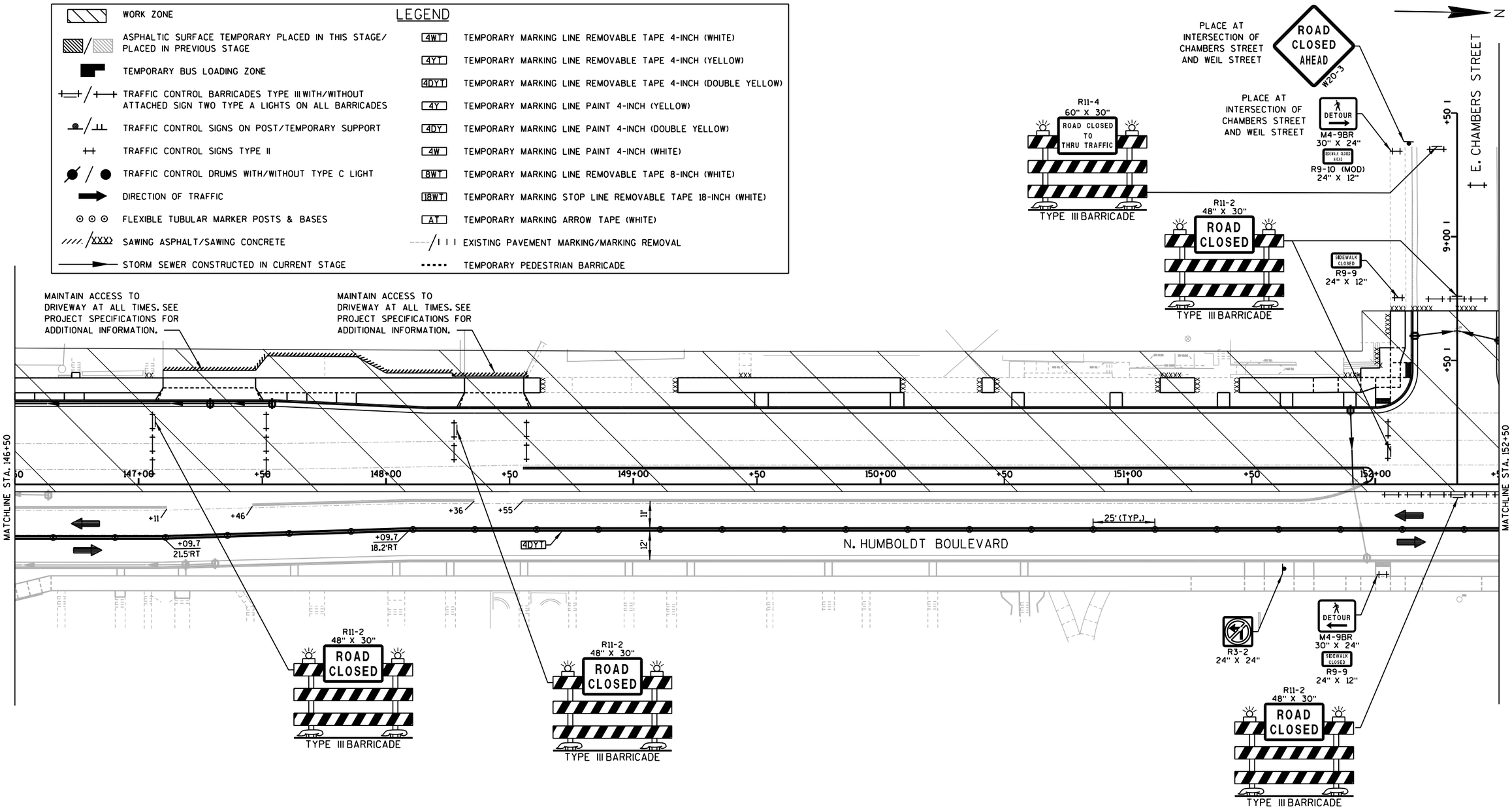
(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)

(2) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2' SEG., 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IIB DETAILS	SCALE, FEET 0 20 40	SHEET 329	E

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 330	E

2

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE

N

PLACE AT INTERSECTION OF CHAMBERS STREET AND WEIL STREET

R9-11
24" X 12"

SIDEWALK CLOSED EXCEPT FOR ACCESS TO BUS STOP
30" X 24"

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

MATCHLINE STA. 152+50

153+00 +50 154+00 +50 155+00 +50 156+00 +50 157+00 +50 158+00

MATCHLINE STA. 158+50

25'(TYP.)

4DYT

N. HUMBOLDT BOULEVARD

4DYT

11'
12'

4WT

50'(TYP.)

+07.2
18.3'RT

+57.2
19.0'RT

4W

4W

R9-11A
24" X 12"

R3-1
24" X 24"

DETOUR
M4-9BR
30" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

TEMPORARY PEDESTRIAN CURB RAMPS REQ'D FOR NORTH-SOUTH CROSSING

+50 J

11+00 J

E. CHAMBERS STREET

R9-11A
24" X 12"

STOP
R1-1
30" X 30"

R3-2
24" X 24"

ROAD WORK AHEAD
W20-1

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 331	E

2

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE

N

ROAD CLOSED AHEAD W20-3

PLACE AT INTERSECTION OF BURLEIGH STREET AND BREMEN STREET

130' TAPER

25'(TYP.)

R9-11 24" X 12"

PLACE AT INTERSECTION OF BURLEIGH STREET AND WEILSTREET

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

W01-6 48" X 24"

TYPE III BARRICADE

4YT

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

E. BURLEIGH STREET

+50 K

9+00

50'(TYP.)

11'

90'

R9-11A 24" X 12"

SIDEWALK CLOSED EXCEPT FOR ACCESS TO BUS STOP 30" X 24"

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

SIDEWALK CLOSED R9-9 24" X 12"

R3-1 24" X 24"

R3-2 24" X 24"

MATCHLINE STA. 158+50

159+00 +50 160+00 +50 161+00 +50 162+00 +50 163+00 +50 164+00

MATCHLINE STA. 164+50

4WT

4DYT

25'(TYP.)

+50.4 19.5'RT

+50.4 18.3'RT

N. HUMBOLDT BOULEVARD

11'

12'

R9-11A 24" X 12"

ROAD WORK AHEAD W20-1

PLACE 250' EAST OF HUMBOLDT BOULEVARD

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 332	E

2

2

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY BUS LOADING ZONE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
DIRECTION OF TRAFFIC	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
SAWING ASPHALT/SAWING CONCRETE	AT TEMPORARY MARKING ARROW TAPE (WHITE)
STORM SEWER CONSTRUCTED IN CURRENT STAGE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

N

R9-11
24" X 12"
PLACE AT INTERSECTION OF BURLEIGH STREET AND WEIL STREET

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

PLACE AT INTERSECTION OF BURLEIGH STREET AND WEIL STREET

ROAD CLOSED AHEAD
W20-3

PLACE AT INTERSECTION OF BURLEIGH STREET AND BREMEN STREET

50' (TYP.)

15'

E. BURLEIGH STREET

R9-9
24" X 12"
SIDEWALK CLOSED

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R9-9
24" X 12"
SIDEWALK CLOSED

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

MATCH STAGE II STATION 158+50

158+00 +50 160+00 +50 161+00 +50 162+00 +50 163+00 +50 164+00 +50

MATCH STAGE II STATION 164+50

25' (TYP.)

11'

12'

N. HUMBOLDT BOULEVARD

DETOUR
M4-9BR
30" X 24"

R9-9
24" X 12"
SIDEWALK CLOSED

R9-11A
24" X 12"

ROAD WORK AHEAD
W20-1

PLACE 250' EAST OF HUMBOLDT BOULEVARD

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IIB DETAILS	SCALE, FEET 0 20 40	SHEET 333	E

2

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AT	TEMPORARY MARKING ARROW TAPE (WHITE)
EXISTING PAVEMENT MARKING/MARKING REMOVAL	
TEMPORARY PEDESTRIAN BARRICADE	

N

PLACE AT INTERSECTION OF AUER AVENUE AND WEIL STREET

ROAD CLOSED AHEAD W20-3

PLACE AT INTERSECTION OF AUER AVENUE AND WEIL STREET

R9-11 24" X 12"

PLACE AT INTERSECTION OF AUER AVENUE AND WEIL STREET

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED AHEAD R9-10 (MOD) 24" X 12"

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

SIDEWALK CLOSED R9-9 24" X 12"

SIDEWALK CLOSED EXCEPT FOR ACCESS TO BUS STOP 30" X 24"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

+50 LW

9+00 LW

+50 LW

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

MATCHLINE STA. 164+50

165+00 +50 166+00 +50 167+00 +50 168+00 +50 169+00 +50 170+00

MATCHLINE STA. 170+50

25 (TYP.)

11'

12'

+94 +13

4DYT

N. HUMBOLDT BOULEVARD

4DYT

4W

4W

+50 LE

11+00 LE

+50 LE

E. AUER AVENUE

R3-2 24" X 24"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR NORTH-SOUTH CROSSING

R9-11A 24" X 12"

STOP R1-1 30" X 30"

R3-1 24" X 24"

ROAD WORK AHEAD W20-1

PLACE 250' EAST OF HUMBOLDT BOULEVARD

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 334	E

2

PLACE AT INTERSECTION OF CONCORDIA AVENUE AND WEIL STREET

ROAD CLOSED AHEAD W20-3

PLACE AT INTERSECTION OF CONCORDIA AVENUE AND WEIL STREET

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED AHEAD R9-10 (MOD) 24" X 12"

PLACE AT INTERSECTION OF CONCORDIA AVENUE AND WEIL STREET

R9-11 24" X 12"

R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

SIDEWALK CLOSED R9-9 24" X 12"

E. CONCORDIA AVENUE

+50 M

9+00 M

+50 M

SIDEWALK CLOSED EXCEPT FOR ACCESS TO BUS STOP 30" X 24"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR ACCESS TO TEMPORARY BUS LOADING ZONE

N

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

MATCHLINE STA. 170+50

171+00 +50 172+00 +50 173+00 +50 174+00 +50 175+00 +50 176+00

MATCHLINE STA. 176+50

MATCHLINE

N. HUMBOLDT BOULEVARD

25' (TYP.)

11'

12'

4DYT

4W

R3-2 24" X 24"

R9-11A 24" X 12"

DETOUR M4-9BR 30" X 24"

SIDEWALK CLOSED R9-9 24" X 12"

R3-1 24" X 24"

R11-2 48" X 30" ROAD CLOSED

TYPE III BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP REQ'D FOR NORTH-SOUTH CROSSING

R9-11A 24" X 12"

+50 N

11+00 N

+50 N

E. CONCORDIA AVENUE

DETOUR M4-9BR 30" X 24"

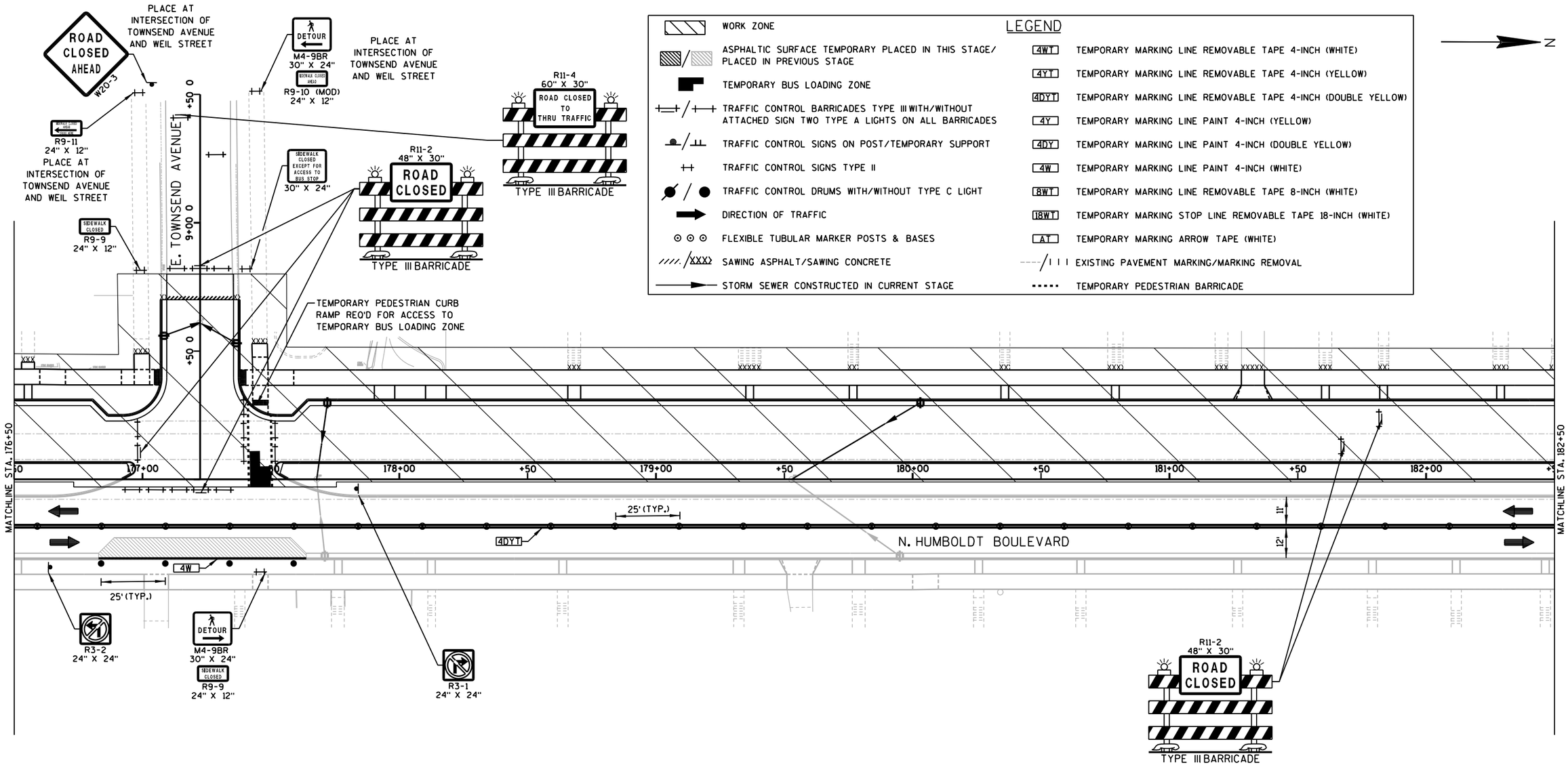
SIDEWALK CLOSED R9-9 24" X 12"

STOP R1-1 30" X 30"

ROAD WORK AHEAD W20-1

PLACE 250' EAST OF HUMBOLDT BOULEVARD

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 335	E



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 336	E

2

N

PLACE AT INTERSECTION OF KEEFE AVENUE AND WEIL STREET

ROAD CLOSED AHEAD W20-3

PLACE AT INTERSECTION OF KEEFE AVENUE AND WEIL STREET

R9-11 24" X 12"

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

SIDEWALK CLOSED R9-9 24" X 12"

TEMPORARY WESTBOUND LANE CLOSURE REQUIRED FOR STORM SEWER INSTALLATION.

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

R9-11A 24" X 12"

R9-11A 24" X 12"

ROAD WORK AHEAD W20-1

PLACE 200' EAST OF HUMBOLDT BOULEVARD

W01-4L

+76.0 18.2'RT

+23.0 22.4'RT

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH (TYP.)

350' TAPER

50' TAPER

40'

N. HUMBOLDT BOULEVARD

E. KEEFE AVENUE

MATCHLINE STA. 182+50

MATCHLINE STA. 188+50

183+00 +50 184+00 +50 185+00 +50 186+00 +50 187+00 +50 188+00

9+00 P +50 P 11+00 P +50 P

50' (TYP.) 25' (TYP.) 25' (TYP.)

11' 12'

4WT 4DYT 4DYT 4WT 4WT 4WT

LEGEND

- WORK ZONE
- ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
- TEMPORARY BUS LOADING ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
- TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
- TRAFFIC CONTROL SIGNS TYPE II
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SAWING ASPHALT/SAWING CONCRETE
- STORM SEWER CONSTRUCTED IN CURRENT STAGE

- 4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT TEMPORARY MARKING ARROW TAPE (WHITE)
- EXISTING PAVEMENT MARKING/MARKING REMOVAL
- TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 337	E

2

PLACE AT INTERSECTION OF KEEFE AVENUE AND WEIL STREET

ROAD WORK AHEAD W20-1

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

PLACE AT INTERSECTION OF KEEFE AVENUE AND WEIL STREET

R9-11 24" X 12"

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE

N

R11-2 48" X 30" ROAD CLOSED TYPE III BARRICADE

4YT

80'

E. KEEFE AVENUE

SIDEWALK CLOSED R9-9 24" X 12"

DO NOT ENTER R5-1 30" X 30"

R9-11A 24" X 12"

R3-2 24" X 24"

10' (TYP.)

R3-1 24" X 24"

MATCH STAGE II STATION 182+50

183+00 +50 184+00 +50 185+00 +50 186+00 +50 187+00 +50 188+00

MATCH STAGE II STATION 188+50

50' (TYP.)

25' (TYP.)

11'

12'

N. HUMBOLDT BOULEVARD

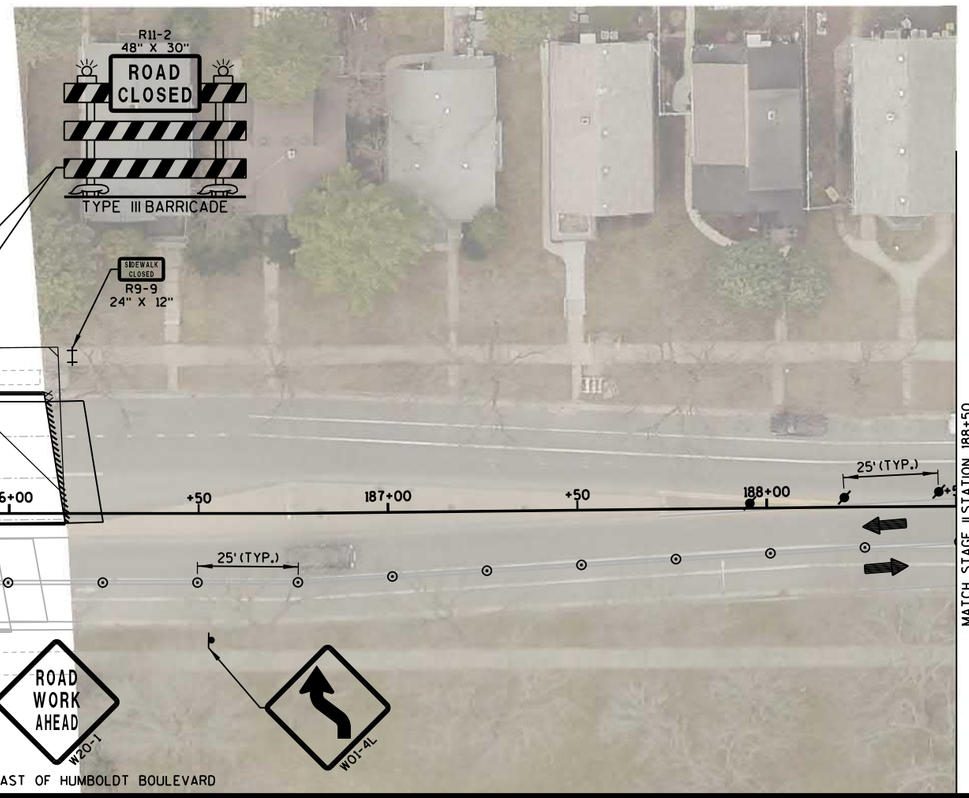
R9-11A 24" X 12"

R3-2 24" X 24"

ROAD WORK AHEAD W20-1

W01-4L

PLACE 200' EAST OF HUMBOLDT BOULEVARD

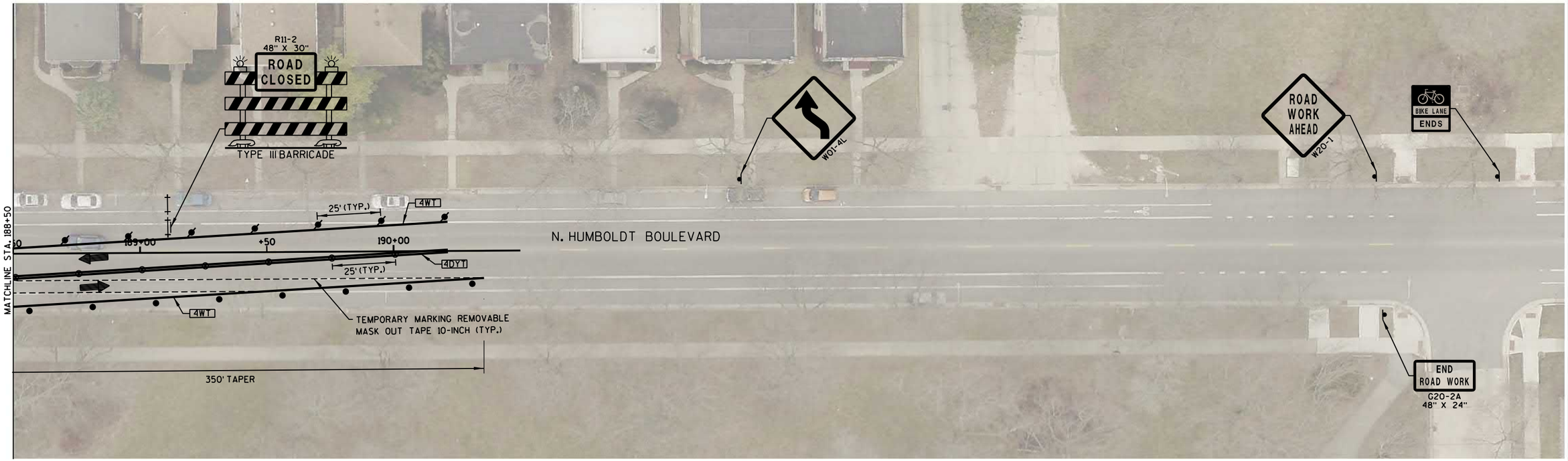


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IIB DETAILS	SCALE, FEET 0 20 40	SHEET 338	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\026215_s2b.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N



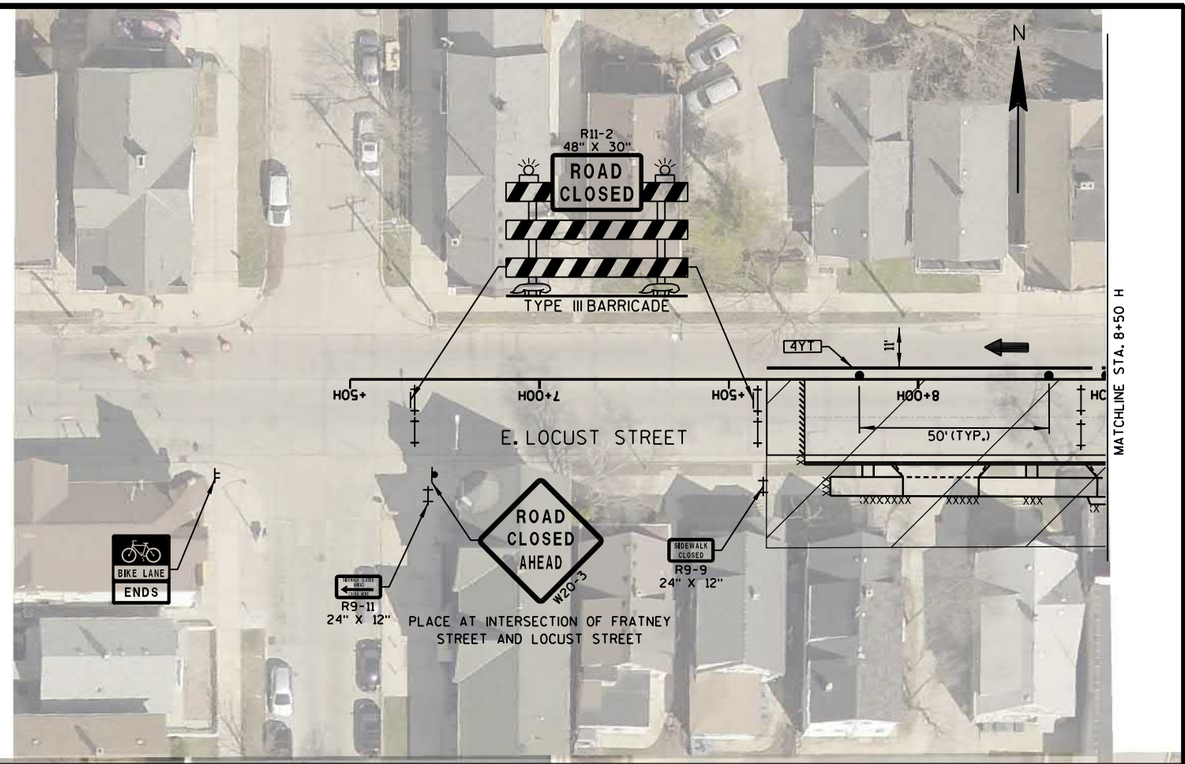
LEGEND

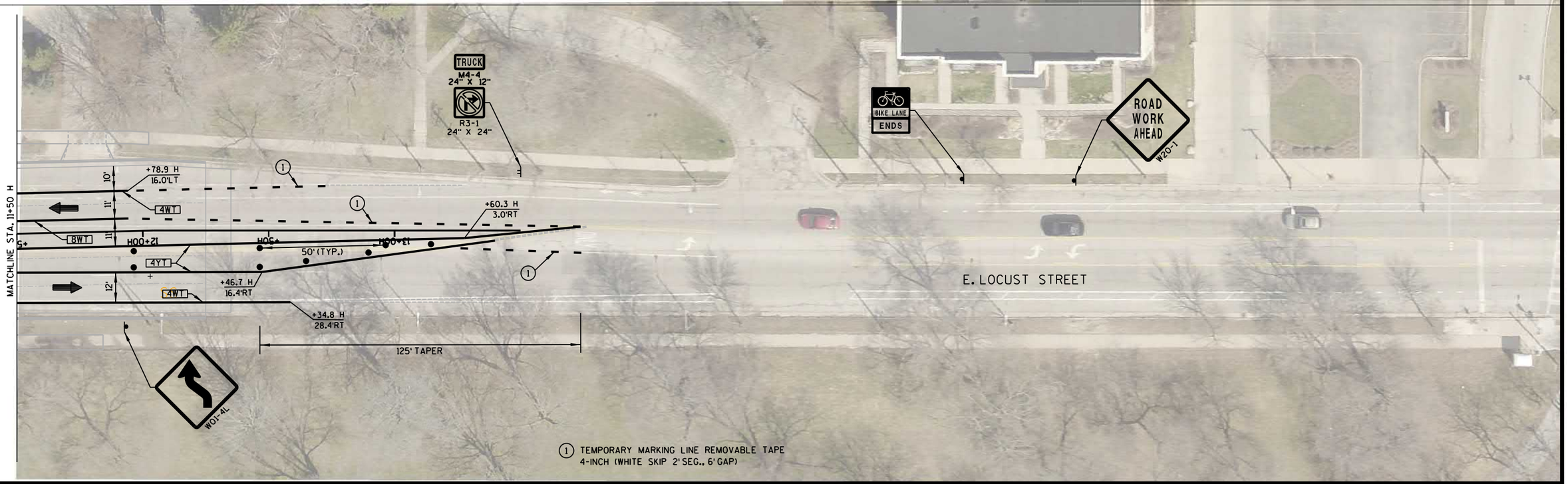
	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 339	E

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE





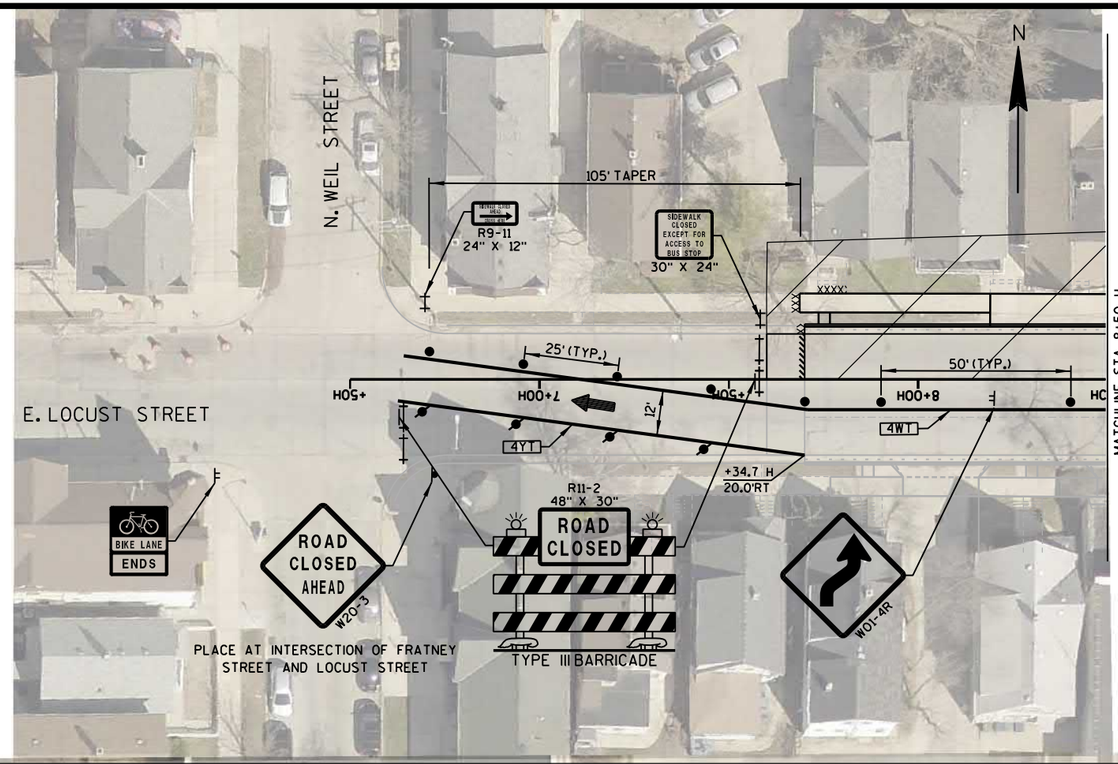
(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2' SEG., 6' GAP)

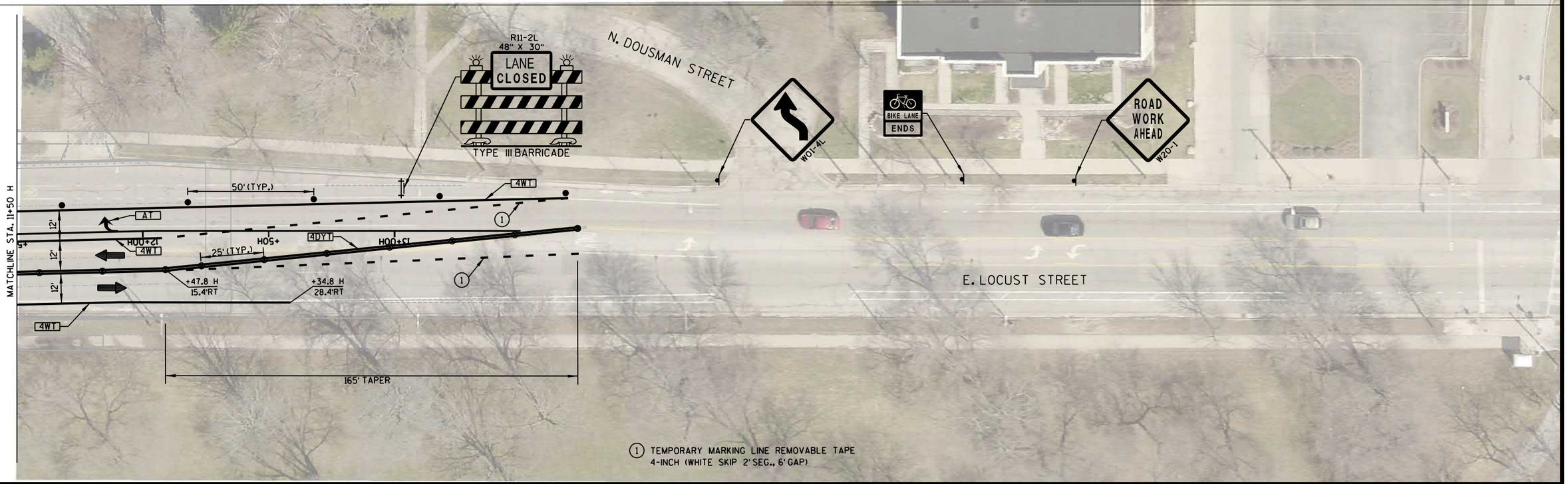
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE II DETAILS	SCALE, FEET 0 20 40	SHEET 340	E

2

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE





(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2'SEG., 6' GAP)

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IIB DETAILS	SCALE, FEET 0 20 40	SHEET 341	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\026217_s2b.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

STAGE II:

TRAFFIC:

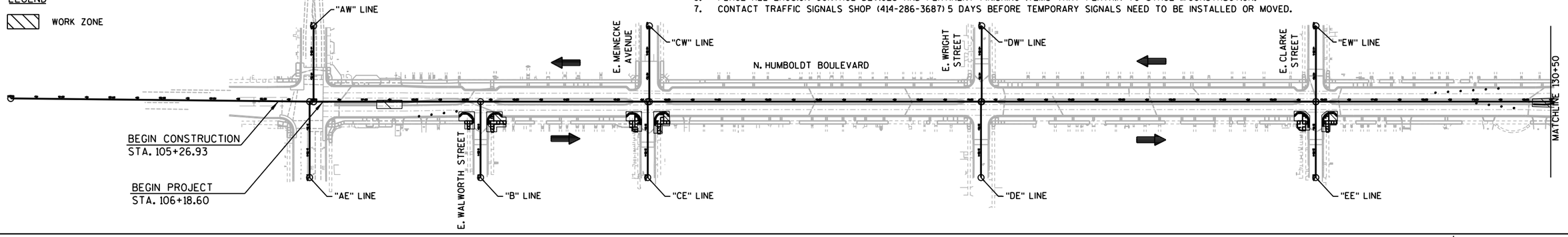
1. SOUTHBOUND TRAFFIC SHALL OPERATE ON THE WEST SIDE OF THE ROADWAY.
2. NORTHBOUND TRAFFIC SHALL OPERATE ON THE EAST SIDE OF THE ROADWAY.
3. MAINTAIN PEDESTRIAN SIDEWALK ACCESS ON WEST SIDEWALK AND CROSSWALKS ACROSS HUMBOLDT WHERE SHOWN ON PLANS. EAST SIDEWALK SHALL BE CLOSED TO PEDESTRIAN USE.

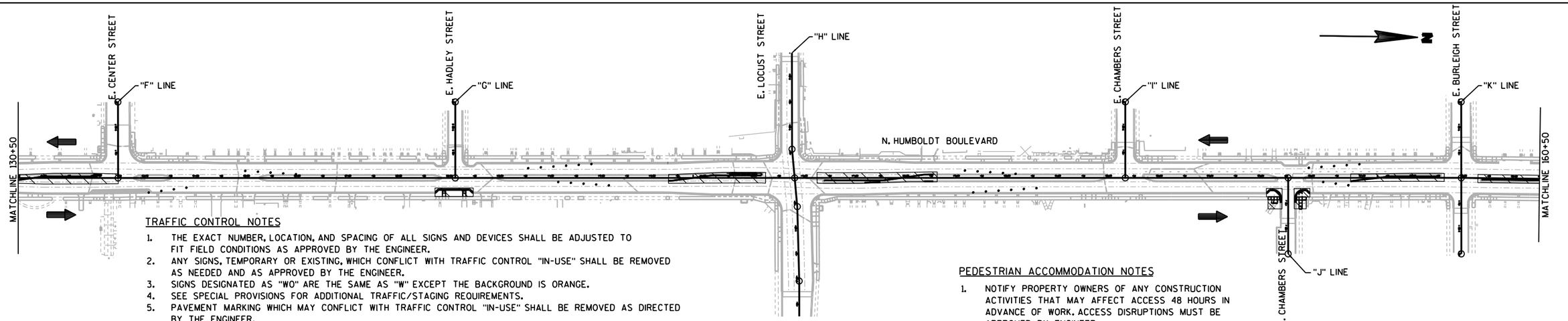
LEGEND

WORK ZONE

CONSTRUCT:

1. INSTALL TEMPORARY AND PERMANENT MARKING AND TRAFFIC CONTROL DEVICES NECESSARY FOR STAGE III CONSTRUCTION PRIOR TO THE TRAFFIC SWITCH TO STAGE III.
2. REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH STAGE III TRAFFIC CONTROL.
3. REMOVE EXISTING INLETS, STORM SEWER LATERALS, AND MANHOLES THAT ARE REPLACED IN STAGE III.
4. REMOVE EXISTING CURB AND GUTTER, STREET LIGHT POLES, AND PAVEMENT WITHIN THE STAGE III CONSTRUCTION LIMITS.
5. CONSTRUCT PROPOSED STREET LIGHTING, TRAFFIC SIGNALS, CURB AND GUTTER, PAVEMENT, SIDEWALK, INLETS, AND STORM SEWER LATERALS WITHIN STAGE II CONSTRUCTION LIMITS.
6. PLACE ALL EROSION CONTROL DEVICES AND PERTINENT FINISHING ITEMS THAT PERTAIN TO STAGE III CONSTRUCTION.
7. CONTACT TRAFFIC SIGNALS SHOP (414-286-3687) 5 DAYS BEFORE TEMPORARY SIGNALS NEED TO BE INSTALLED OR MOVED.



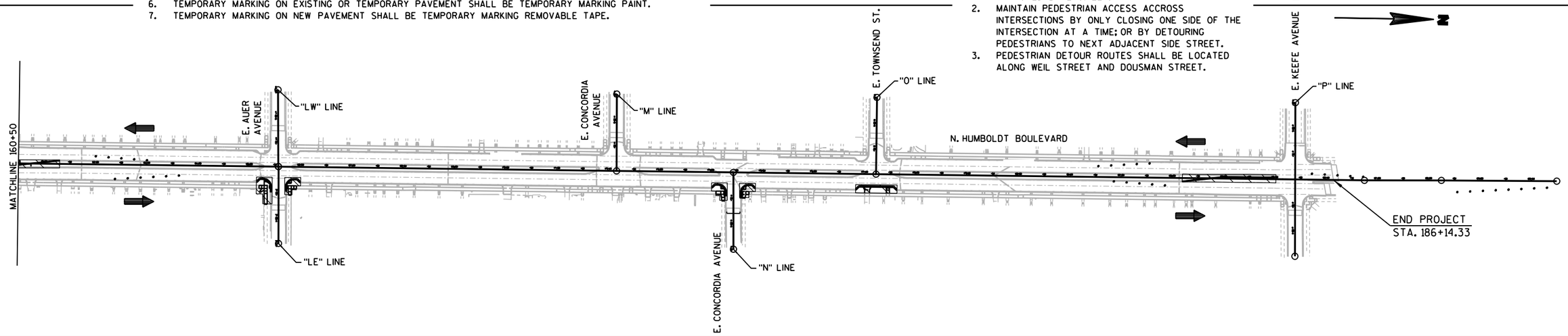


TRAFFIC CONTROL NOTES

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
2. ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS NEEDED AND AS APPROVED BY THE ENGINEER.
3. SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
4. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
5. PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
6. TEMPORARY MARKING ON EXISTING OR TEMPORARY PAVEMENT SHALL BE TEMPORARY MARKING PAINT.
7. TEMPORARY MARKING ON NEW PAVEMENT SHALL BE TEMPORARY MARKING REMOVABLE TAPE.

PEDESTRIAN ACCOMMODATION NOTES

1. NOTIFY PROPERTY OWNERS OF ANY CONSTRUCTION ACTIVITIES THAT MAY AFFECT ACCESS 48 HOURS IN ADVANCE OF WORK. ACCESS DISRUPTIONS MUST BE APPROVED BY ENGINEER.
2. MAINTAIN PEDESTRIAN ACCESS ACCROSS INTERSECTIONS BY ONLY CLOSING ONE SIDE OF THE INTERSECTION AT A TIME; OR BY DETOURING PEDESTRIANS TO NEXT ADJACENT SIDE STREET.
3. PEDESTRIAN DETOUR ROUTES SHALL BE LOCATED ALONG WEIL STREET AND DOUSMAN STREET.



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL OVERVIEW - STAGE III	SHEET 342	E

2

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	XXXX
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

N

ROAD WORK AHEAD W20-1

END ROAD WORK G20-2A 48" X 24"

USE DURING CONSTRUCTION OF NORTHEAST QUADRANT ONLY

R9-11A 24" X 12"

N. HUMBOLDT BOULEVARD

105+00 +50 106+00 +50 107+00 +50 108+00 +50 109+00 +50 110+00

MATCHLINE STA. 110+50

25' (TYP.)

4YT 4WT +00 85' TAPER +85 10' (TYP.)

+50 AW 9+00 AW +50 AW

+50 AE 11+00 AE +50 AE

+50 B 11+00 B +50 B

WORK ZONE

ROAD WORK AHEAD W20-1

BIKE LANE ENDS

E. NORTH AVENUE

ONLY ONLY

WO1-6 48" X 24" TYPE III BARRICADE

WO1-6 48" X 24" TYPE III BARRICADE

E. WALWORTH STREET

ROAD WORK AHEAD W20-1

(1) COMPLETE CONSTRUCTION OF THE NORTHEAST QUADRANT PRIOR TO BEGINNING CONSTRIUCTION OF THE SOUTHEAST QUADRANT.

(2) SEE "STAGE III WORK ZONE STAGING DETAIL" FOR TRAFFIC CONTROL SIGNING.

(1) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE SKIP 2' SEG., 6' GAP)

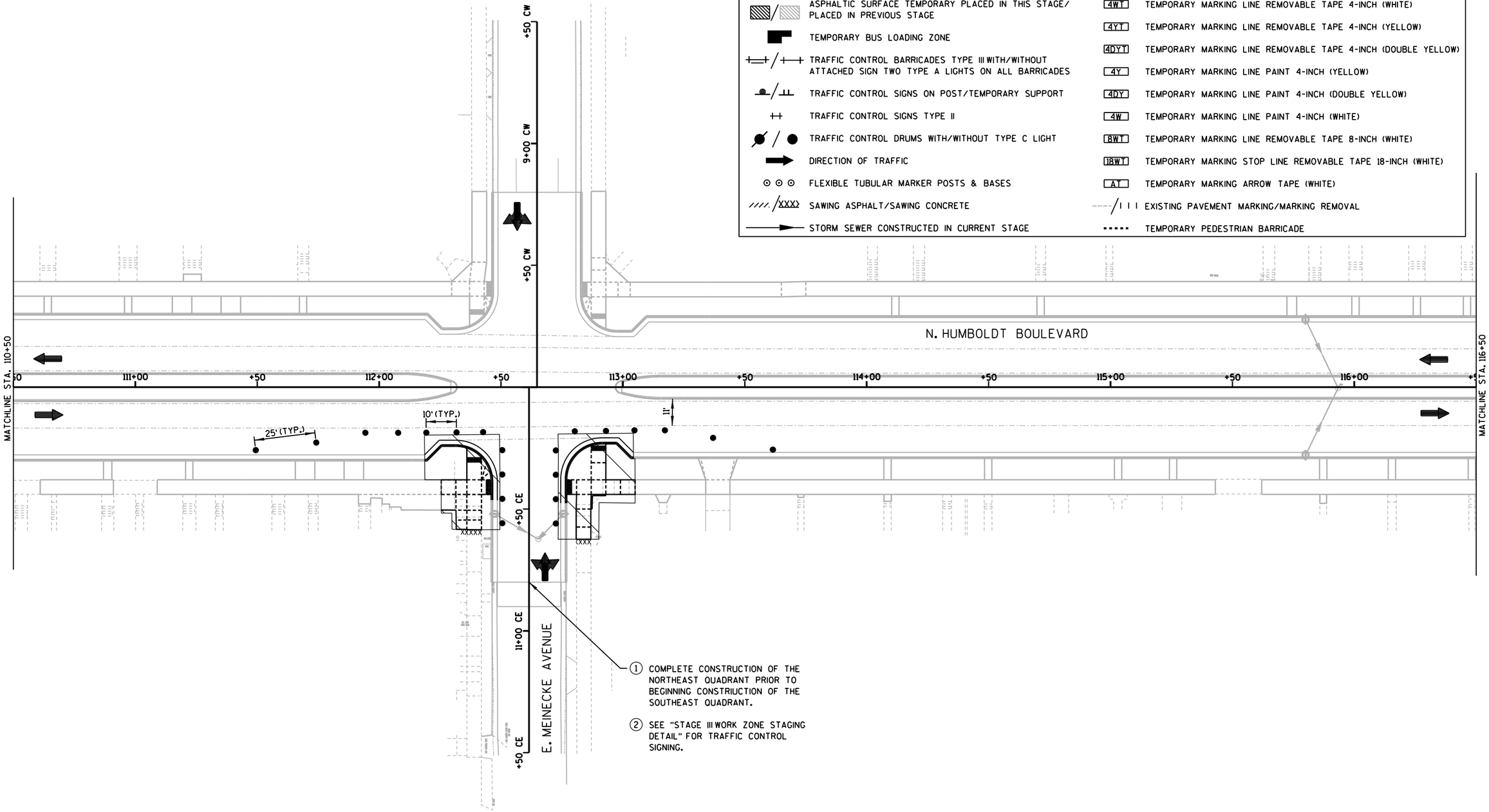
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 343	E

2

N

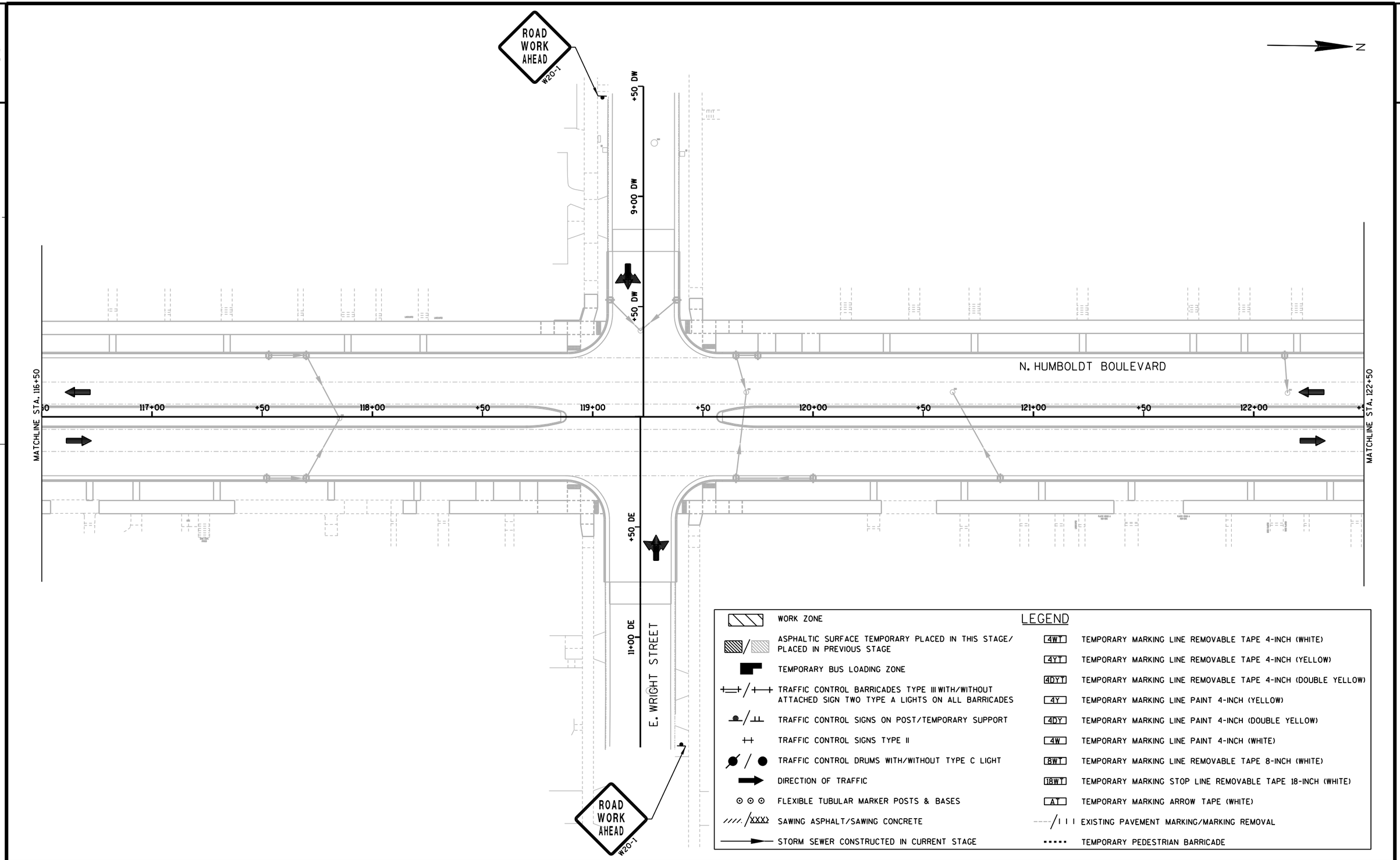
LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 344	E

2



LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 345	E

2

N

+50 EW

9+00 EW

+50 EW

N. HUMBOLDT BOULEVARD

4WT

+21

4YT

123+00 +50 124+00 +50 125+00 +50 126+00 +50 127+00 +50 128+00

MATCHLINE STA. 122+50

MATCHLINE STA. 128+50

10' (TYP.)

25' (TYP.)

11'

SHOULDER WORK W21-5

+50 EE

11+00 EE

+50 EE

E. CLARKE STREET

1. COMPLETE CONSTRUCTION OF THE NORTHEAST QUADRANT PRIOR TO BEGINNING CONSTRUCTION OF THE SOUTHEAST QUADRANT.

2. SEE "STAGE III WORK ZONE STAGING DETAIL" FOR TRAFFIC CONTROL SIGNING.

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 346	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

N

BIKE LANE ENDS
PLACE AT INTERSECTION OF CENTER STREET AND WEIL STREET

ROAD WORK AHEAD W20-1

STOP R1-1 30" X 30"

R3-2 24" X 24"

R9-11A 24" X 12"

R11-2 48" X 30" ROAD CLOSED
TYPE III BARRICADE

DETOUR M4-9BR 30" X 24"
SIDEWALK CLOSED R9-9 24" X 12"

STOP R1-1 30" X 30"

E. CENTER STREET

+50 F
9+00 F
+50 F

W01-6 48" X 24"
TYPE III BARRICADE

W01-4L

N. HUMBOLDT BOULEVARD

18WT

MATCHLINE STA. 128+50

MATCHLINE STA. 134+50

50'(TYP.)

11'

4WT 4YT +86 165' TAPER

129+00 +50 130+00 +50 131+00 +50 132+00 +50 133+00 +50 134+00

+00 4YT 85' TAPER 4WT +85

+90 31' RT 18WT 4W 11'

+90 29' RT 4WT 4YT 85' TAPER 25'(TYP.) +85

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE

W01-6 48" X 24"
TYPE III BARRICADE

W01-4L

R9-11A 24" X 12"

STOP R1-1 30" X 30"

W01-6 48" X 24"
TYPE III BARRICADE

DETOUR M4-9BR 30" X 24"
SIDEWALK CLOSED R9-9 24" X 12"

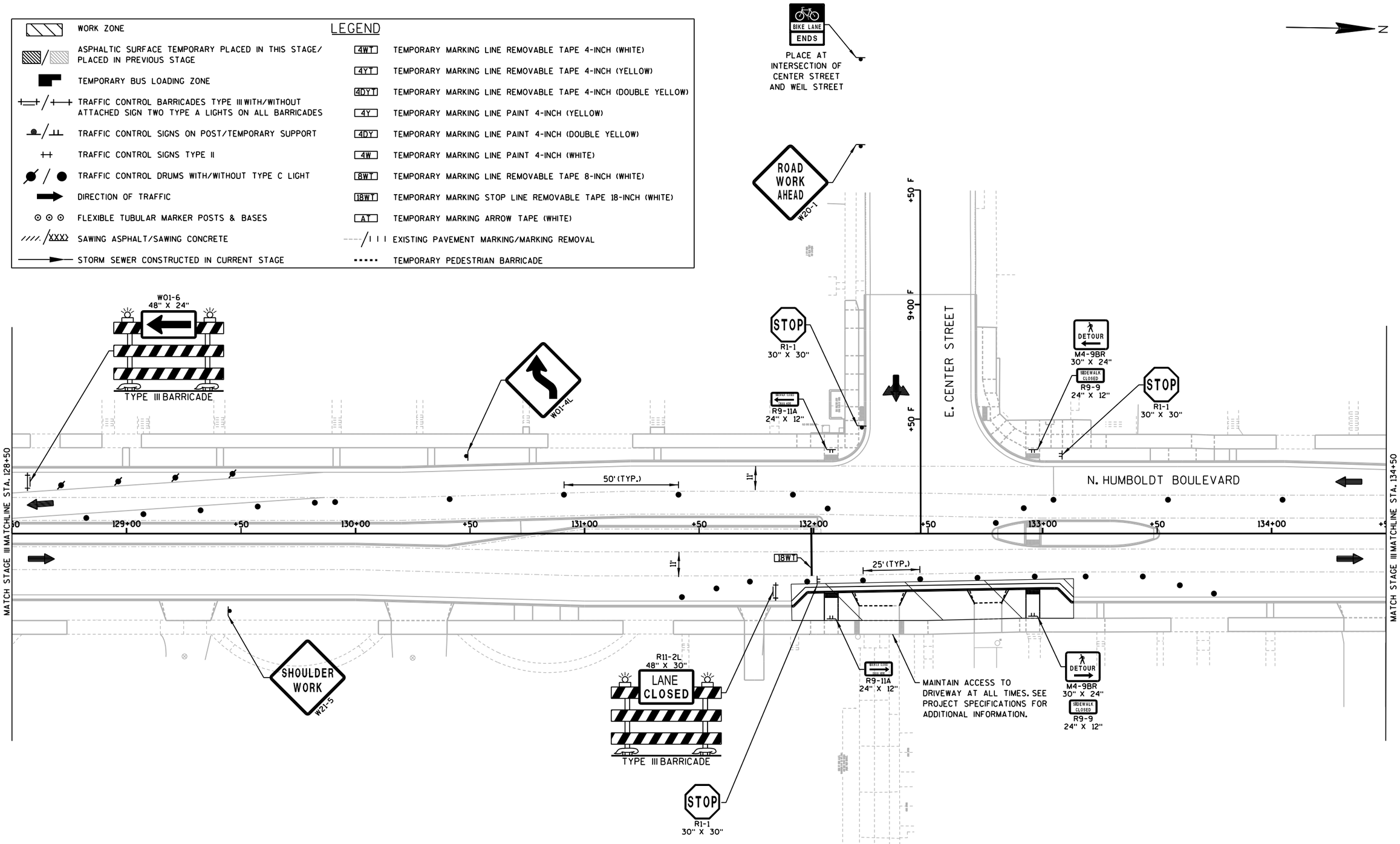
W01-6 48" X 24"
TYPE III BARRICADE

W01-4R

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 347	E

LEGEND

WORK ZONE	4WT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT — TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE IIIB DETAILS	SCALE, FEET 0 20 40	SHEET 348	E

2

N

W01-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1

W01-4R

STOP
R1-1
30" X 30"

R9-11A
24" X 12"

DETOUR
M4-9BR
30" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

E. HADLEY STREET

+50 G

9+00 G

+50 G

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 134+50

+85

165' TAPER

4WT

4YT

+50

135+00

+50

136+00

+50

137+00

+50

138+00

+50

139+00

+50

140+00

MATCHLINE STA. 140+50

11'

25' (TYP.)

SHOULDER WORK
W21-5

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R9-11A
24" X 12"

DETOUR
M4-9BR
30" X 24"

SIDEWALK CLOSED
R9-9
24" X 12"

W01-4R

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEGEND

	WORK ZONE
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
	TEMPORARY BUS LOADING ZONE
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
	TRAFFIC CONTROL SIGNS TYPE II
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
	DIRECTION OF TRAFFIC
	FLEXIBLE TUBULAR MARKER POSTS & BASES
XXXX	SAWING ASPHALT/SAWING CONCRETE
	STORM SEWER CONSTRUCTED IN CURRENT STAGE

4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 349	E

2

N

W01-6
48" X 24"
TYPE III BARRICADE

W01-4L

W01-6
48" X 24"
TYPE III BARRICADE

ROAD
WORK
AHEAD
W20-1

500'

+50H

9+00H

+50H

11+00H

OH

25' (TYP.)

4WT

+00

+15

4YT

165' TAPER

11'

MATCHLINE STA. 140+50

141+00

+50

142+00

+50

143+00

+50

144+00

+50

145+00

+50

146+00

MATCHLINE STA. 146+50

N. HUMBOLDT BOULEVARD

50' (TYP.)

W01-6
48" X 24"
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

E. LOCUST STREET

500'

ROAD
WORK
AHEAD
W20-1

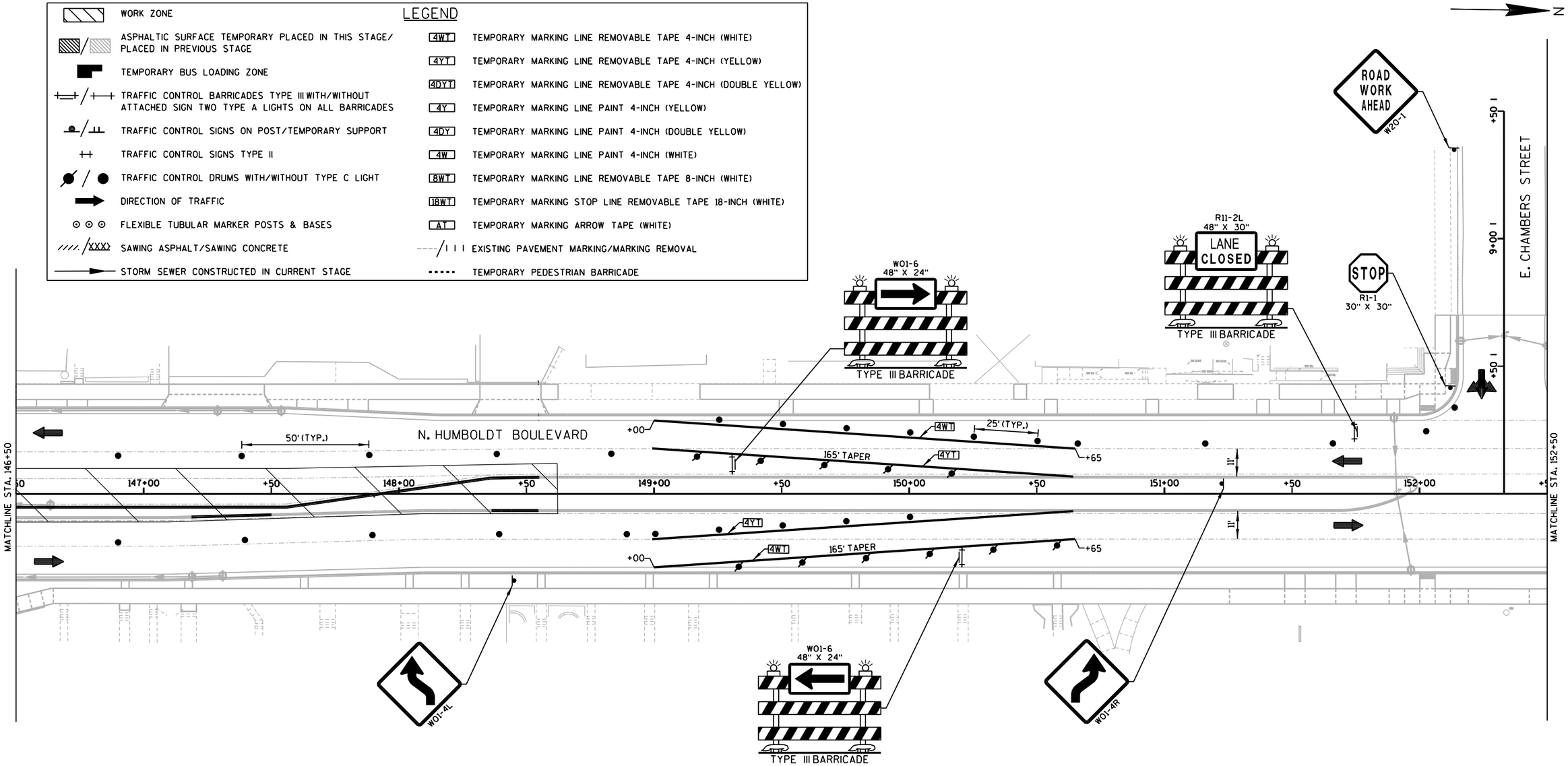
LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 350	E

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 351	E

2

LEGEND

	WORK ZONE	4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	TEMPORARY BUS LOADING ZONE	4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	TRAFFIC CONTROL SIGNS TYPE II	4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	DIRECTION OF TRAFFIC	18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	FLEXIBLE TUBULAR MARKER POSTS & BASES	AT	TEMPORARY MARKING ARROW TAPE (WHITE)
XXXX	SAWING ASPHALT/SAWING CONCRETE		EXISTING PAVEMENT MARKING/MARKING REMOVAL
	STORM SEWER CONSTRUCTED IN CURRENT STAGE		TEMPORARY PEDESTRIAN BARRICADE

N

USE DURING CONSTRUCTION OF NORTHEAST QUADRANT ONLY

R9-11A 24" X 12"

W01-6 48" X 24"

TYPE III BARRICADE

W01-4L

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 152+50

153+00 +50 154+00 +50 155+00 +50 156+00 +50 157+00 +50 158+00

MATCHLINE STA. 158+50

25' (TYP.)

+95

155' TAPER

4WT 4YT

+50

11'

10' (TYP.)

+95

4WT 4YT

85' TAPER

+80

50' (TYP.)

11'

SHOULDER WORK W21-5

W01-4R

+50 J

11+00 J

E. CHAMBERS STREET

W01-6 48" X 24"

TYPE III BARRICADE

1. COMPLETE CONSTRUCTION OF THE NORTHEAST QUADRANT PRIOR TO BEGINNING CONSTRIUCTION OF THE SOUTHEAST QUADRANT.

2. SEE "STAGE III WORK ZONE STAGING DETAIL" FOR TRAFFIC CONTROL SIGNING.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\026309_s3.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

LEGEND

- WORK ZONE
- ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE
- TEMPORARY BUS LOADING ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES
- TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT
- TRAFFIC CONTROL SIGNS TYPE II
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- DIRECTION OF TRAFFIC
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SAWING ASPHALT/SAWING CONCRETE
- STORM SEWER CONSTRUCTED IN CURRENT STAGE
- 4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- 4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- 4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- 4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- 4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- 4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- 8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- 18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- AT TEMPORARY MARKING ARROW TAPE (WHITE)
- EXISTING PAVEMENT MARKING/MARKING REMOVAL
- TEMPORARY PEDESTRIAN BARRICADE

N

ROAD WORK AHEAD W20-1

E. BURLEIGH STREET

+50 K

9+00 K

+50 K

W01-6 48" X 24"

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

N. HUMBOLDT BOULEVARD

11'

MATCHLINE STA. 158+50

159+00

+50

160+00

+50

161+00

+50

162+00

+50

163+00

+50

164+00

MATCHLINE STA. 164+50

25'(TYP.)

11'

+00

4WT

4YT

165' TAPER

+65

+00

4YT

4WT

165' TAPER

+65

25'(TYP.)

W01-6 48" X 24"

TYPE III BARRICADE

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

W01-6 48" X 24"

TYPE III BARRICADE

W01-4L

W01-6 48" X 24"

TYPE III BARRICADE

W01-4R

+50 K

11+00 K

+50 K

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

ROAD WORK AHEAD W20-1

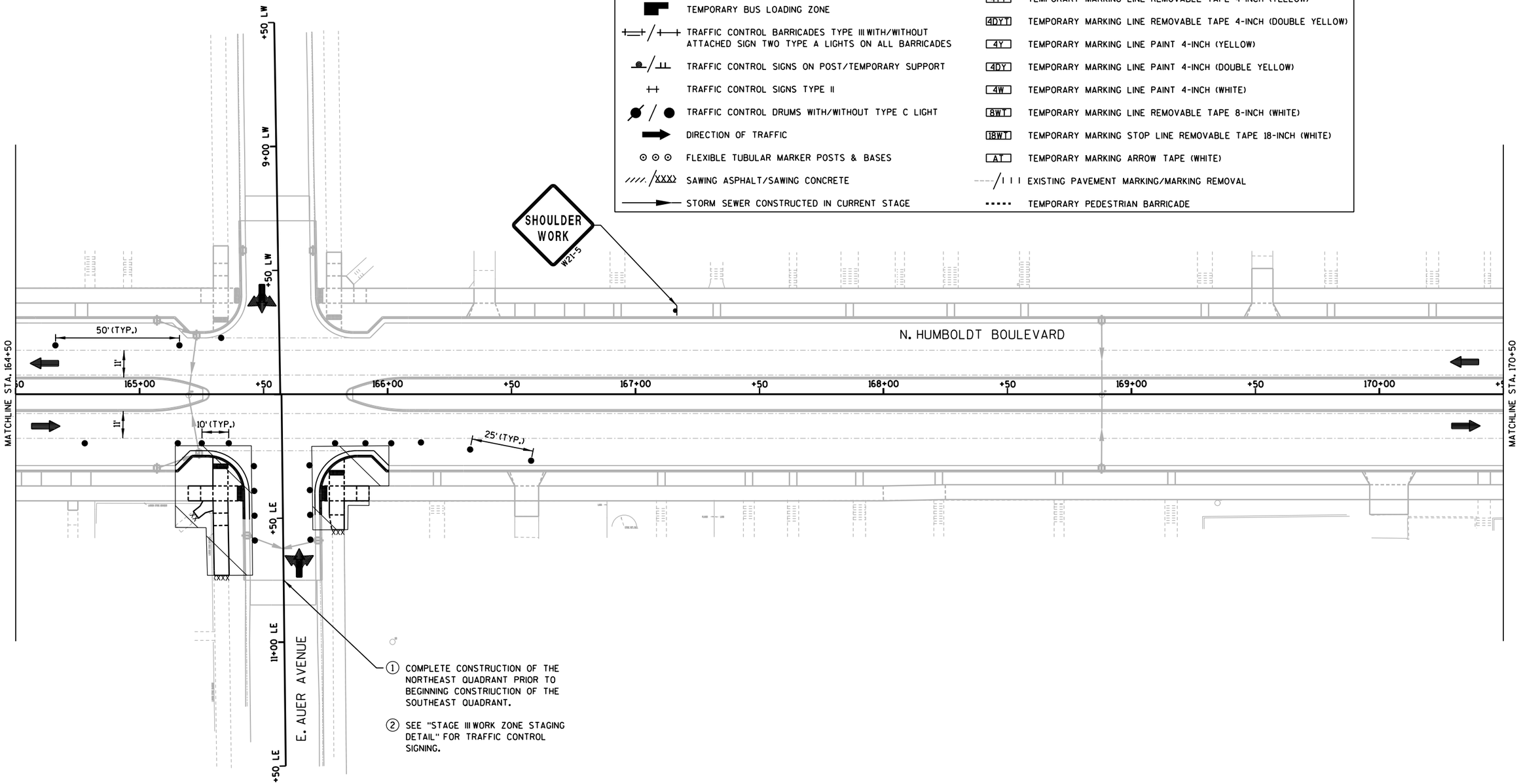
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 353	E

2

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	XXXX
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
4WT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
4YT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
4DYT	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
8WT	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
18WT	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
AT	TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

N



1. COMPLETE CONSTRUCTION OF THE NORTHEAST QUADRANT PRIOR TO BEGINNING CONSTRIUCTION OF THE SOUTHEAST QUADRANT.
2. SEE "STAGE III WORK ZONE STAGING DETAIL" FOR TRAFFIC CONTROL SIGNING.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 354	E

2

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	
TEMPORARY BUS LOADING ZONE	
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	
TRAFFIC CONTROL SIGNS TYPE II	
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	
DIRECTION OF TRAFFIC	
FLEXIBLE TUBULAR MARKER POSTS & BASES	
SAWING ASPHALT/SAWING CONCRETE	XXX
STORM SEWER CONSTRUCTED IN CURRENT STAGE	
	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
	AT TEMPORARY MARKING ARROW TAPE (WHITE)
	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

N

ROAD WORK AHEAD W20-1

STOP R1-1 30" X 30"

E. CONCORDIA AVENUE

+50 M

9+00 M

+50 M

USE DURING CONSTRUCTION OF SOUTHEAST QUADRANT ONLY

R9-11A 24" X 12"

USE DURING CONSTRUCTION OF NORTHEAST QUADRANT ONLY

R9-11A 24" X 12"

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 170+50

171+00 +50 172+00 +50 173+00 +50 174+00 +50 175+00 +50 176+00

MATCHLINE STA. 176+50

25' (TYP.)

10' (TYP.)

11'

50' (TYP.)

SHOULDER WORK W21-5

+50 N

11+00 N

+50 N

E. CONCORDIA AVENUE

1. COMPLETE CONSTRUCTION OF THE NORTHEAST QUADRANT PRIOR TO BEGINNING CONSTRUCTION OF THE SOUTHEAST QUADRANT.

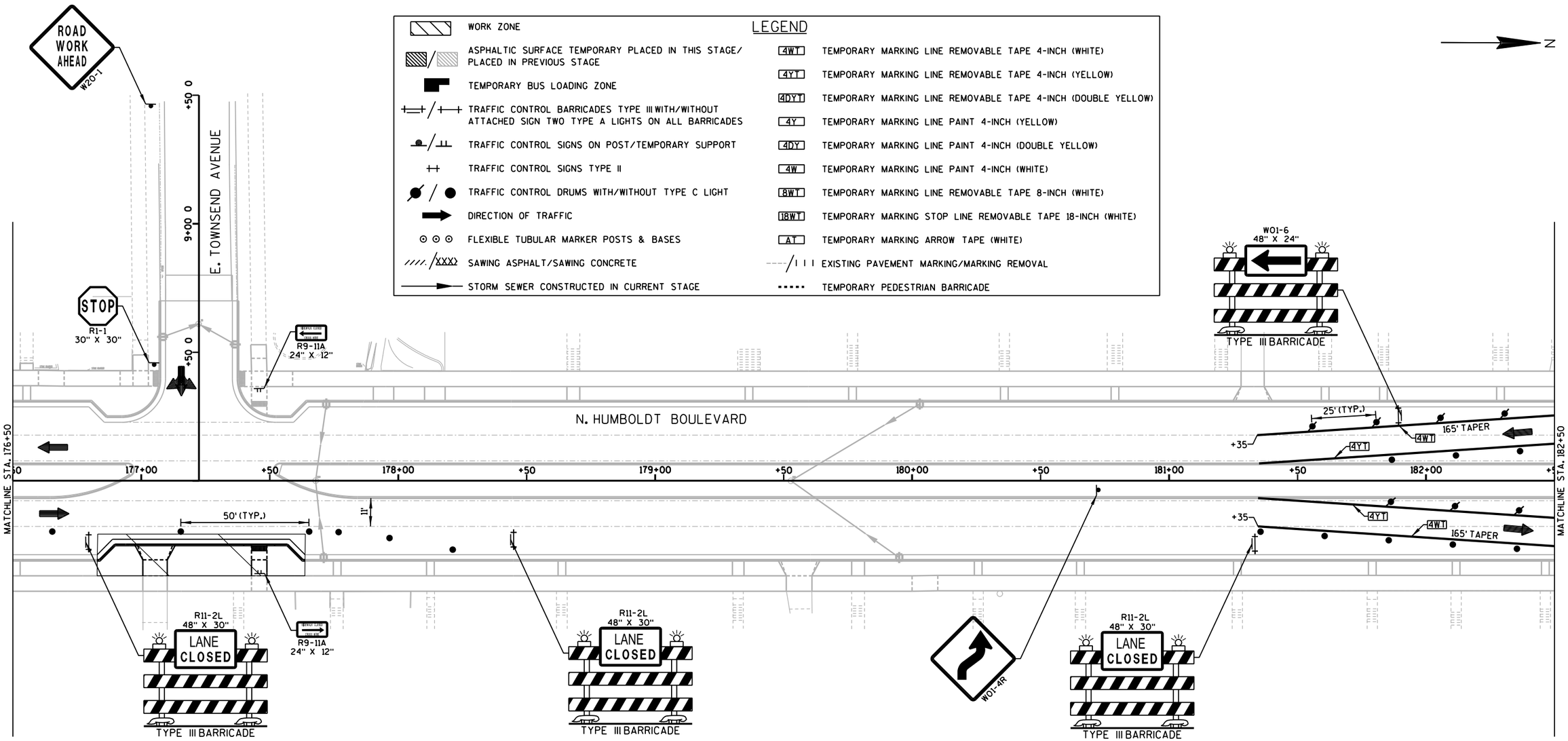
2. SEE "STAGE III WORK ZONE STAGING DETAIL" FOR TRAFFIC CONTROL SIGNING.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 355	E

2

LEGEND

WORK ZONE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TEMPORARY BUS LOADING ZONE	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
DIRECTION OF TRAFFIC	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	AT TEMPORARY MARKING ARROW TAPE (WHITE)
SAWING ASPHALT/SAWING CONCRETE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
STORM SEWER CONSTRUCTED IN CURRENT STAGE	TEMPORARY PEDESTRIAN BARRICADE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 356	E

2

2

LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY BUS LOADING ZONE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
DIRECTION OF TRAFFIC	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
SAWING ASPHALT/SAWING CONCRETE	AT TEMPORARY MARKING ARROW TAPE (WHITE)
STORM SEWER CONSTRUCTED IN CURRENT STAGE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

ROAD WORK AHEAD W20-1

W01-6 48" X 24"

TYPE III BARRICADE

W01-4L

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 182+50

MATCHLINE STA. 188+50

183+00 184+00 185+00 186+00 187+00 188+00

+50 P 9+00 P +50 P 11+00 P

+00 4WT 4YT 25'(TYP.) 50'(TYP.) 11'

+76 24'LT 160' TAPER +36 16'LT

+98 19'RT +75 19'RT 350' TAPER +23 22'RT

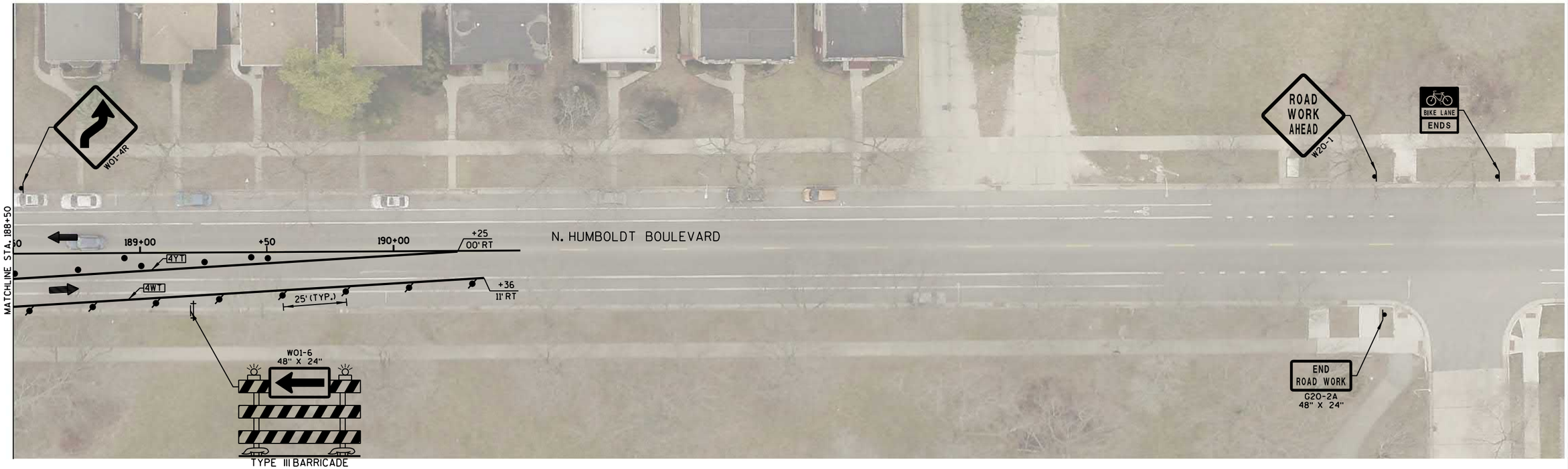
E. KEEFE AVENUE

N

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 357	E

2

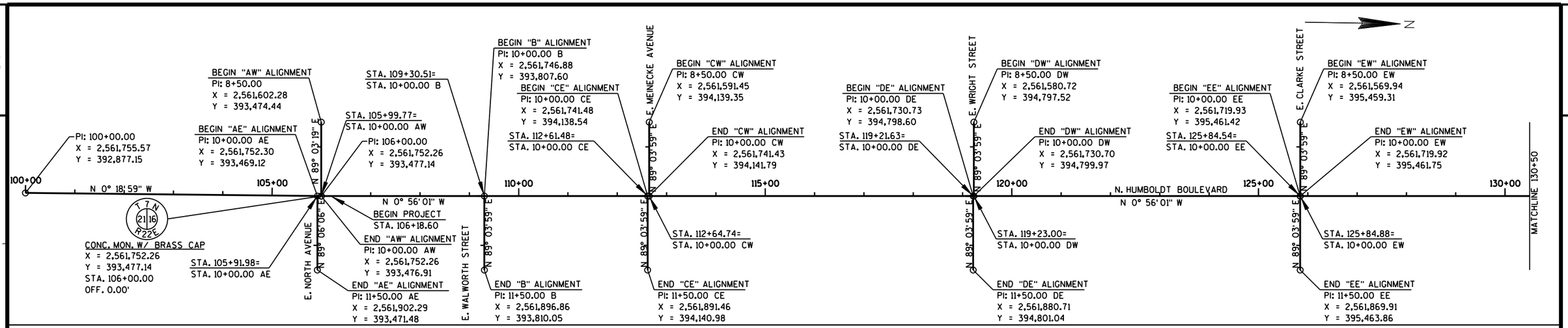
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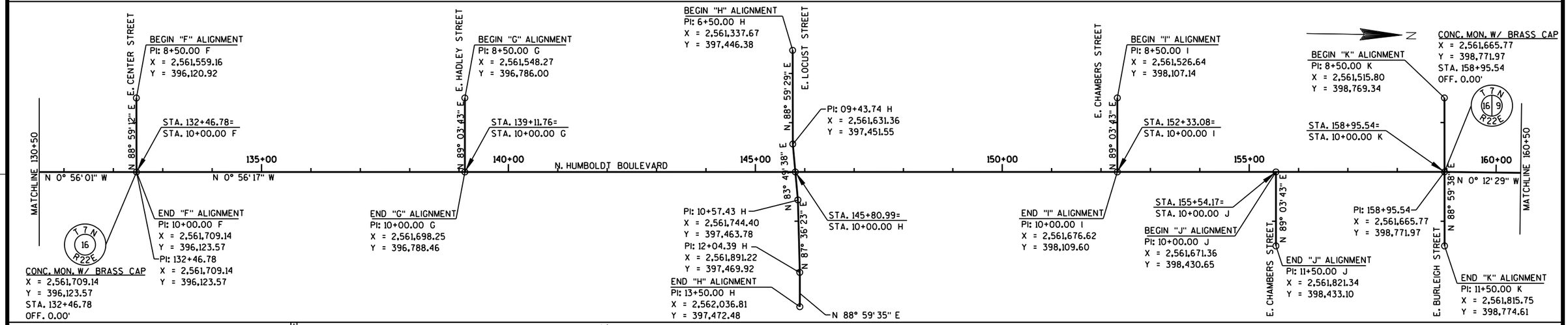


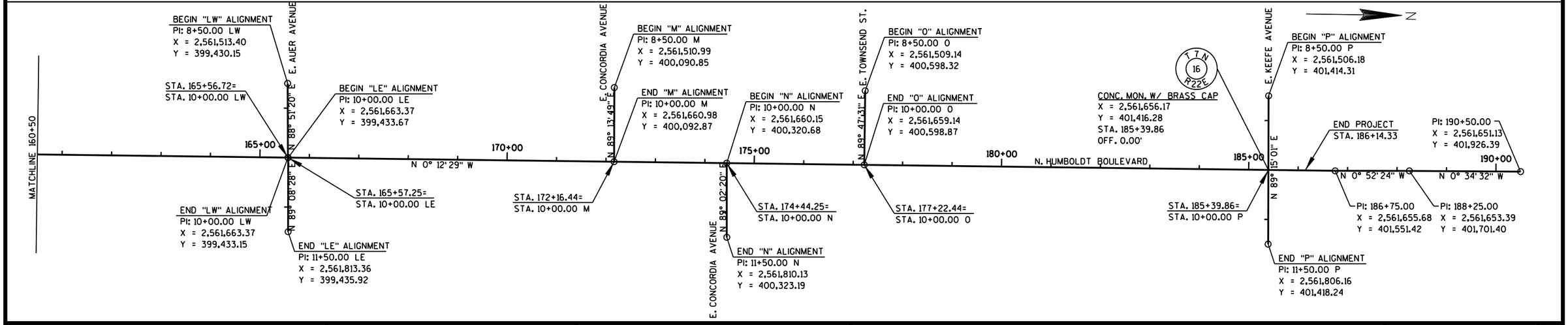
LEGEND

WORK ZONE	
ASPHALTIC SURFACE TEMPORARY PLACED IN THIS STAGE/ PLACED IN PREVIOUS STAGE	4WT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TEMPORARY BUS LOADING ZONE	4YT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN TWO TYPE A LIGHTS ON ALL BARRICADES	4DYT TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL SIGNS ON POST/TEMPORARY SUPPORT	4Y TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
TRAFFIC CONTROL SIGNS TYPE II	4DY TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT	4W TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
DIRECTION OF TRAFFIC	8WT TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
FLEXIBLE TUBULAR MARKER POSTS & BASES	18WT TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
SAWING ASPHALT/SAWING CONCRETE	AT TEMPORARY MARKING ARROW TAPE (WHITE)
STORM SEWER CONSTRUCTED IN CURRENT STAGE	EXISTING PAVEMENT MARKING/MARKING REMOVAL
	TEMPORARY PEDESTRIAN BARRICADE

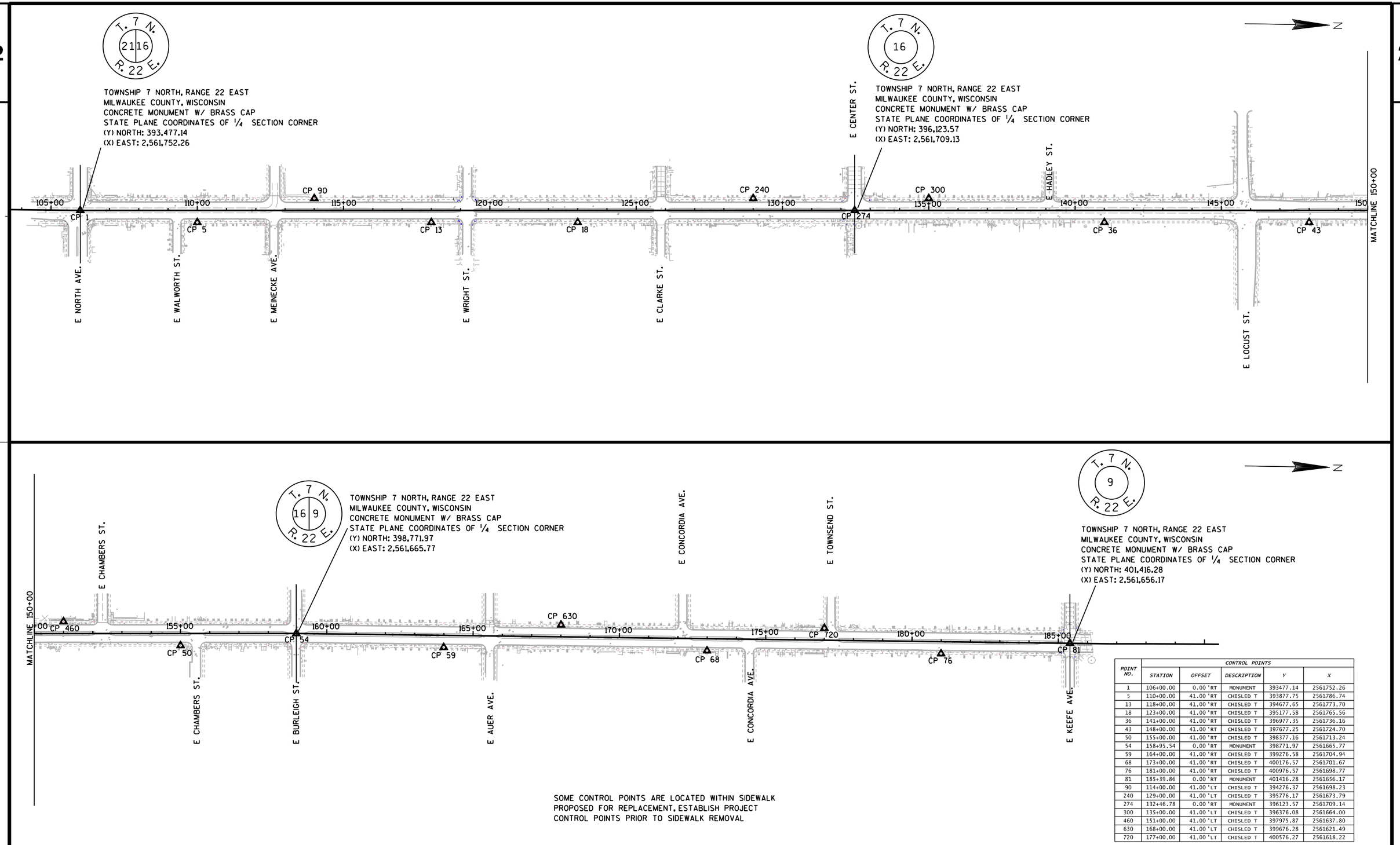
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE III DETAILS	SCALE, FEET 0 20 40	SHEET 358	E







PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 359	E



POINT NO.	CONTROL POINTS				
	STATION	OFFSET	DESCRIPTION	Y	X
1	106+00.00	0.00 'RT	MONUMENT	393477.14	2561752.26
5	110+00.00	41.00 'RT	CHISLED T	393877.75	2561786.74
13	118+00.00	41.00 'RT	CHISLED T	394677.65	2561773.70
18	123+00.00	41.00 'RT	CHISLED T	395177.58	2561765.56
36	141+00.00	41.00 'RT	CHISLED T	396977.35	2561736.16
43	148+00.00	41.00 'RT	CHISLED T	397677.25	2561724.70
50	155+00.00	41.00 'RT	CHISLED T	398377.16	2561713.24
54	158+95.54	0.00 'RT	MONUMENT	398771.97	2561665.77
59	164+00.00	41.00 'RT	CHISLED T	399276.58	2561704.94
68	173+00.00	41.00 'RT	CHISLED T	400176.57	2561701.67
76	181+00.00	41.00 'RT	CHISLED T	400976.57	2561698.77
81	185+39.86	0.00 'RT	MONUMENT	401416.28	2561656.17
90	114+00.00	41.00 'LT	CHISLED T	394276.37	2561698.23
240	129+00.00	41.00 'LT	CHISLED T	395776.17	2561673.79
274	132+46.78	0.00 'RT	MONUMENT	396123.57	2561709.14
300	135+00.00	41.00 'LT	CHISLED T	396376.08	2561664.00
460	151+00.00	41.00 'LT	CHISLED T	397975.87	2561637.80
630	168+00.00	41.00 'LT	CHISLED T	399676.28	2561621.49
720	177+00.00	41.00 'LT	CHISLED T	400576.27	2561618.22

SOME CONTROL POINTS ARE LOCATED WITHIN SIDEWALK
PROPOSED FOR REPLACEMENT, ESTABLISH PROJECT
CONTROL POINTS PRIOR TO SIDEWALK REMOVAL

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	CONTROL POINT DATA	SHEET 360 E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\027301_cp.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : _____ PLOT SCALE : $$.....plotscale.....$$

2667-03-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0120	Clearing	ID	489.000	489.000
0004	201.0220	Grubbing	ID	650.000	650.000
0006	204.0100	Removing Concrete Pavement	SY	51,880.000	51,880.000
0008	204.0120	Removing Asphaltic Surface Milling	SY	582.000	582.000
0010	204.0150	Removing Curb & Gutter	LF	1,256.000	1,256.000
0012	204.0155	Removing Concrete Sidewalk	SY	11,100.000	11,100.000
0014	204.0195	Removing Concrete Bases	EACH	42.000	42.000
0016	204.0210	Removing Manholes	EACH	4.000	4.000
0018	204.0220	Removing Inlets	EACH	106.000	106.000
0020	204.0245	Removing Storm Sewer (size) 001. 018-INCH or LESS	LF	1,703.000	1,703.000
0022	204.0250	Abandoning Manholes	EACH	11.000	11.000
0024	204.0280	Sealing Pipes	EACH	20.000	20.000
0026	204.0291.S	Abandoning Sewer	CY	965.000	965.000
0028	205.0100	Excavation Common	CY	37,624.000	37,624.000
0030	213.0100	Finishing Roadway (project) 001. 2667-03-71	EACH	1.000	1.000
0032	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	41,635.000	41,635.000
0034	320.0145	Concrete Base 8-Inch	SY	206.000	206.000
0036	415.0080	Concrete Pavement 8-Inch	SY	44,690.000	44,690.000
0038	415.0210	Concrete Pavement Gaps	EACH	15.000	15.000
0040	415.1080	Concrete Pavement HES 8-Inch	SY	930.000	930.000
0042	416.0170	Concrete Driveway 7-Inch	SY	826.000	826.000
0044	416.0270	Concrete Driveway HES 7-Inch	SY	355.000	355.000
0046	416.0610	Drilled Tie Bars	EACH	50.000	50.000
0048	416.0620	Drilled Dowel Bars	EACH	406.000	406.000
0050	455.0605	Tack Coat	GAL	102.000	102.000
0052	465.0105	Asphaltic Surface	TON	148.000	148.000
0054	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	48.000	48.000
0056	465.0125	Asphaltic Surface Temporary	TON	612.000	612.000
0058	465.0310	Asphaltic Curb	LF	729.000	729.000
0060	520.8000	Concrete Collars for Pipe	EACH	93.000	93.000
0062	601.0322	Concrete Curb & Gutter 22-Inch	LF	21.000	21.000
0064	601.0331	Concrete Curb & Gutter 31-Inch	LF	17,730.000	17,730.000
0066	601.0600	Concrete Curb Pedestrian	LF	429.000	429.000
0068	602.0410	Concrete Sidewalk 5-Inch	SF	104,240.000	104,240.000
0070	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	1,272.000	1,272.000
0072	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	2,985.000	2,985.000
0074	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	572.000	572.000
0076	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	148.000	148.000
0078	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0080	611.0651	Inlet Covers Type S	EACH	1.000	1.000
0082	611.2004	Manholes 4-FT Diameter	EACH	4.000	4.000
0084	611.3220	Inlets 2x2-FT	EACH	3.000	3.000
0086	611.8115	Adjusting Inlet Covers	EACH	4.000	4.000
0088	611.8120.S	Cover Plates Temporary	EACH	1.000	1.000
0090	618.0100	Maintenance And Repair of Haul Roads (project) 001. 2667-03-71	EACH	1.000	1.000
0092	619.1000	Mobilization	EACH	1.000	1.000
0094	620.0100	Concrete Corrugated Median	SF	221.000	221.000
0096	620.0300	Concrete Median Sloped Nose	SF	366.000	366.000
0098	623.0200	Dust Control Surface Treatment	SY	98,736.000	98,736.000

2667-03-71

Line	Item	Item Description	Unit	Total	Qty
0100	624.0100	Water	MGAL	608.000	608.000
0102	625.0100	Topsoil	SY	17,350.000	17,350.000
0104	627.0200	Mulching	SY	5,000.000	5,000.000
0106	628.1504	Silt Fence	LF	1,000.000	1,000.000
0108	628.1520	Silt Fence Maintenance	LF	2,000.000	2,000.000
0110	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000
0112	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0114	628.7005	Inlet Protection Type A	EACH	151.000	151.000
0116	628.7020	Inlet Protection Type D	EACH	229.000	229.000
0118	628.7560	Tracking Pads	EACH	6.000	6.000
0120	629.0210	Fertilizer Type B	CWT	10.900	10.900
0122	630.0300	Seeding Borrow Pit	LB	100.000	100.000
0124	631.0300	Sod Water	MGAL	390.000	390.000
0126	631.1000	Sod Lawn	SY	17,350.000	17,350.000
0128	632.0101	Trees (species) (size) (root) 001. Taxodium Distichum Bald Cypress 3" CAL B&B	EACH	3.000	3.000
0130	632.0101	Trees (species) (size) (root) 002. Gleditsia Shademaster 2.5" CAL B&B	EACH	1.000	1.000
0132	632.0101	Trees (species) (size) (root) 003. Malus Prariefire 3" CAL B&B	EACH	2.000	2.000
0134	632.0101	Trees (species) (size) (root) 004. Accolade Elm 3" CAL B&B	EACH	2.000	2.000
0136	632.0101	Trees (species) (size) (root) 005. Callery Pear 3" CAL B&B	EACH	5.000	5.000
0138	632.0101	Trees (species) (size) (root) 006. Upright English Oak 3" CAL B&B	EACH	1.000	1.000
0140	632.0101	Trees (species) (size) (root) 007. Autumn Blaze Maple 3.5" CAL B&B	EACH	5.000	5.000
0142	632.0101	Trees (species) (size) (root) 008. Japanese Tree Lilac 2.5" CAL B&B	EACH	4.000	4.000
0144	632.0101	Trees (species) (size) (root) 009. Tulip Tree 3" CAL B&B	EACH	1.000	1.000
0146	632.0101	Trees (species) (size) (root) 010. Cumulus Serviceberry 3" CAL B&B	EACH	1.000	1.000
0148	632.0101	Trees (species) (size) (root) 011. Kentucky Coffeetree 3" CAL B&B	EACH	2.000	2.000
0150	632.0101	Trees (species) (size) (root) 012. Raspberry Spear Crabapple 2.5" CAL B&B	EACH	2.000	2.000
0152	632.0101	Trees (species) (size) (root) 013. Crimson Sunset Maple 3" CAL B&B	EACH	3.000	3.000
0154	632.0101	Trees (species) (size) (root) 014. Dawn Redwood 3" CAL B&B	EACH	1.000	1.000
0156	632.0101	Trees (species) (size) (root) 015. Thornless Hawthorn 2.5" CAL B&B	EACH	6.000	6.000
0158	632.0101	Trees (species) (size) (root) 016. Sunburst Honeylocust 3" CAL B&B	EACH	8.000	8.000
0160	632.0101	Trees (species) (size) (root) 017. Purple Prince Crabapple 3" CAL B&B	EACH	5.000	5.000
0162	632.0101	Trees (species) (size) (root) 018. Adams Crabapple 3" CAL B&B	EACH	5.000	5.000
0164	632.0101	Trees (species) (size) (root) 019. Ft Mcnair Red Horsechestnut 3" CAL B&B	EACH	5.000	5.000
0166	632.0101	Trees (species) (size) (root) 020. Adirondack Crabapple 3" CAL B&B	EACH	4.000	4.000
0168	632.0101	Trees (species) (size) (root) 021. Golden Raindrops Crabapple 3" CAL B&B	EACH	1.000	1.000
0170	632.0201	Shrubs (species) (size) (root) 001. Hydrangea Annabelle 3 GAL CG	EACH	20.000	20.000
0172	632.0201	Shrubs (species) (size) (root) 002. Rose Knockout Red 4 GAL CG	EACH	20.000	20.000
0174	632.0201	Shrubs (species) (size) (root) 003. Physocarpus Diablo 5 GAL B&B	EACH	8.000	8.000
0176	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	10.000	10.000
0178	638.2102	Moving Signs Type II	EACH	12.000	12.000
0180	638.2602	Removing Signs Type II	EACH	250.000	250.000
0182	638.3000	Removing Small Sign Supports	EACH	89.000	89.000
0184	643.0300	Traffic Control Drums	DAY	33,588.000	33,588.000
0186	643.0410	Traffic Control Barricades Type II	DAY	13,424.000	13,424.000
0188	643.0420	Traffic Control Barricades Type III	DAY	49,066.000	49,066.000
0190	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	747.000	747.000
0192	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	747.000	747.000
0194	643.0705	Traffic Control Warning Lights Type A	DAY	98,132.000	98,132.000
0196	643.0715	Traffic Control Warning Lights Type C	DAY	9,158.000	9,158.000

2667-03-71

Line	Item	Item Description	Unit	Total	Qty
0198	643.0900	Traffic Control Signs	DAY	49,534.000	49,534.000
0200	643.0920	Traffic Control Covering Signs Type II	EACH	40.000	40.000
0202	643.1050	Traffic Control Signs PCMS	DAY	10.000	10.000
0204	643.5000	Traffic Control	EACH	1.000	1.000
0206	644.1410	Temporary Pedestrian Surface Asphalt	SF	3,300.000	3,300.000
0208	644.1601	Temporary Pedestrian Curb Ramp	DAY	3,318.000	3,318.000
0210	644.1810	Temporary Pedestrian Barricade	LF	1,498.000	1,498.000
0212	646.1020	Marking Line Epoxy 4-Inch	LF	27,651.000	27,651.000
0214	646.3020	Marking Line Epoxy 8-Inch	LF	2,612.000	2,612.000
0216	646.5020	Marking Arrow Epoxy	EACH	118.000	118.000
0218	646.5120	Marking Word Epoxy	EACH	1.000	1.000
0220	646.5220	Marking Symbol Epoxy	EACH	73.000	73.000
0222	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,311.000	1,311.000
0224	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	3,312.000	3,312.000
0226	646.8020	Marking Corrugated Median Epoxy	SF	86.000	86.000
0228	646.8120	Marking Curb Epoxy	LF	1,207.000	1,207.000
0230	646.8220	Marking Island Nose Epoxy	EACH	35.000	35.000
0232	646.9000	Marking Removal Line 4-Inch	LF	10,531.000	10,531.000
0234	646.9100	Marking Removal Line 8-Inch	LF	755.000	755.000
0236	646.9200	Marking Removal Line Wide	LF	32.000	32.000
0238	646.9300	Marking Removal Special Marking	EACH	26.000	26.000
0240	649.0105	Temporary Marking Line Paint 4-Inch	LF	19,386.000	19,386.000
0242	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	38,065.000	38,065.000
0244	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	208.000	208.000
0246	649.0550	Temporary Marking Arrow Removable Tape	EACH	6.000	6.000
0248	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	186.000	186.000
0250	649.0970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	1,010.000	1,010.000
0252	650.4000	Construction Staking Storm Sewer	EACH	129.000	129.000
0254	650.4500	Construction Staking Subgrade	LF	17,319.000	17,319.000
0256	650.5000	Construction Staking Base	LF	118.000	118.000
0258	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	118.000	118.000
0260	650.7000	Construction Staking Concrete Pavement	LF	17,319.000	17,319.000
0262	650.8500	Construction Staking Electrical Installations (project) 001. 2667-03-71	LS	1.000	1.000
0264	650.9000	Construction Staking Curb Ramps	EACH	106.000	106.000
0266	650.9910	Construction Staking Supplemental Control (project) 001. 2667-03-71	LS	1.000	1.000
0268	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	360.000	360.000
0270	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	16,005.000	16,005.000
0272	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	5,435.000	5,435.000
0274	652.0615	Conduit Special 3-Inch	LF	1,595.000	1,595.000
0276	653.0905	Removing Pull Boxes	EACH	2.000	2.000
0278	654.0101	Concrete Bases Type 1	EACH	17.000	17.000
0280	654.0102	Concrete Bases Type 2	EACH	2.000	2.000
0282	654.0105	Concrete Bases Type 5	EACH	87.000	87.000
0284	654.0110	Concrete Bases Type 10	EACH	4.000	4.000
0286	654.0120	Concrete Bases Type 10-Special	EACH	12.000	12.000
0288	655.0230	Cable Traffic Signal 5-14 AWG	LF	4,105.000	4,105.000
0290	655.0260	Cable Traffic Signal 12-14 AWG	LF	4,215.000	4,215.000
0292	655.0280	Cable Traffic Signal 19-14 AWG	LF	2,305.000	2,305.000
0294	655.0305	Cable Type UF 2-12 AWG Grounded	LF	10,910.000	10,910.000

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Line	Item	Item Description	Unit	Total	Qty
0296	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	4,125.000	4,125.000
0298	655.0900	Traffic Signal EVP Detector Cable	LF	4,010.000	4,010.000
0300	657.0100	Pedestal Bases	EACH	17.000	17.000
0302	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	89.000	89.000
0304	657.0305	Poles Type 2	EACH	2.000	2.000
0306	657.0350	Poles Type 10	EACH	4.000	4.000
0308	657.0352	Poles Type 10-Special	EACH	12.000	12.000
0310	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	1.000	1.000
0312	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	11.000	11.000
0314	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	5.000	5.000
0316	657.0525	Monotube Arms 25-FT	EACH	1.000	1.000
0318	657.0530	Monotube Arms 30-FT	EACH	3.000	3.000
0320	657.0536	Monotube Arms 35-FT-Special	EACH	9.000	9.000
0322	657.0541	Monotube Arms 40-FT-Special	EACH	3.000	3.000
0324	658.0173	Traffic Signal Face 3S 12-Inch	EACH	92.000	92.000
0326	658.0174	Traffic Signal Face 4S 12-Inch	EACH	8.000	8.000
0328	658.0175	Traffic Signal Face 5S 12-Inch	EACH	2.000	2.000
0330	658.0412	Pedestrian Signal Face 12-Inch	EACH	48.000	48.000
0332	658.0500	Pedestrian Push Buttons	EACH	6.000	6.000
0334	658.5069	Signal Mounting Hardware (location) 001. Humboldt & North Ave	LS	1.000	1.000
0336	658.5069	Signal Mounting Hardware (location) 002. Humboldt & Wright St.	LS	1.000	1.000
0338	658.5069	Signal Mounting Hardware (location) 003. Humboldt & Center St	LS	1.000	1.000
0340	658.5069	Signal Mounting Hardware (location) 004. Humboldt & Locust St	LS	1.000	1.000
0342	658.5069	Signal Mounting Hardware (location) 005. Humboldt & Burleigh St	LS	1.000	1.000
0344	658.5069	Signal Mounting Hardware (location) 006. Humboldt & Keefe Ave	LS	1.000	1.000
0346	674.0300	Remove Cable	LF	10.000	10.000
0348	690.0150	Sawing Asphalt	LF	2,188.000	2,188.000
0350	690.0250	Sawing Concrete	LF	9,943.000	9,943.000
0352	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	13,680.000	13,680.000
0354	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	13,680.000	13,680.000
0356	740.0440	Incentive IRI Ride	DOL	12,115.000	12,115.000
0358	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	7,500.000	7,500.000
0360	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	11,200.000	11,200.000
0362	SPV.0060	Special 001. Temporary Bus Loading Zone	EACH	28.000	28.000
0364	SPV.0060	Special 002. Adjusting Water Service Boxes	EACH	94.000	94.000
0366	SPV.0060	Special 003. Adjusting Water Manholes Frame and Lid	EACH	28.000	28.000
0368	SPV.0060	Special 004. Skid/Slip Resistant Green Preformed Thermoplastic Integrated Bike Lane Arro	EACH	4.000	4.000
0370	SPV.0060	Special 005. Skid/Slip Resistant Green Preformed Thermoplastic Integrated Bike Lane Sym	EACH	5.000	5.000
0372	SPV.0060	Special 006. Install City Furnished Sign	EACH	298.000	298.000
0374	SPV.0060	Special 015. Signature Beds	EACH	2.000	2.000
0376	SPV.0060	Special 020. Catmint Blue Wonder 2 GAL CG	EACH	20.000	20.000
0378	SPV.0060	Special 021. Hemerocallis Strawberry Fields 2 GAL CG	EACH	64.000	64.000
0380	SPV.0060	Special 022. Paeonia Kansas4 GAL CG	EACH	18.000	18.000
0382	SPV.0060	Special 023. Perovskia Jean Baby 3 GAL CG	EACH	18.000	18.000
0384	SPV.0060	Special 030. Internal Sanitary Manhole Seals	EACH	1.000	1.000
0386	SPV.0060	Special 040. Section Corner Monuments	EACH	4.000	4.000
0388	SPV.0060	Special 050. Utility Line Opening (ULO)	EACH	16.000	16.000

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Line	Item	Item Description	Unit	Total	Qty
0390	SPV.0060	Special 060. Field Facilities Office Space	EACH	1.000	1.000
0392	SPV.0060	Special 102. Inlet Covers Type MS 57	EACH	120.000	120.000
0394	SPV.0060	Special 103. Manhole Covers Type MS 58-A	EACH	88.000	88.000
0396	SPV.0060	Special 105. Manhole Covers Type MS 23-A	EACH	6.000	6.000
0398	SPV.0060	Special 110. Catch Basin Type 44A	EACH	113.000	113.000
0400	SPV.0060	Special 111. Catch Basin Type 44B	EACH	9.000	9.000
0402	SPV.0060	Special 120. Inlet Cover Type MS 60	EACH	2.000	2.000
0404	SPV.0060	Special 130. Storm Sewer Tap	EACH	93.000	93.000
0406	SPV.0060	Special 201. Install Precast Controller Base	EACH	6.000	6.000
0408	SPV.0060	Special 205. ATC Controller And Cabinet Installed	EACH	6.000	6.000
0410	SPV.0060	Special 212. Fiber Optic Patch Panel	EACH	6.000	6.000
0412	SPV.0060	Special 213. Ethernet Switch	EACH	6.000	6.000
0414	SPV.0060	Special 215. Electrical Service Pedestal	EACH	6.000	6.000
0416	SPV.0060	Special 218. EVP 1 Chanel 1 Direction Infrared Detector	EACH	23.000	23.000
0418	SPV.0060	Special 221. EVP Phase Selector Card 4 Channel	EACH	6.000	6.000
0420	SPV.0060	Special 223. EVP Confirmation Light	EACH	23.000	23.000
0422	SPV.0060	Special 224. Vehicular Video Detection System - 1 Camera	EACH	1.000	1.000
0424	SPV.0060	Special 225. Vehicular Video Detection System - 2 Cameras	EACH	5.000	5.000
0426	SPV.0060	Special 228. Electrical Riser	EACH	1.000	1.000
0428	SPV.0060	Special 267. Pedestrian Countdown Signal Face 12 Inch	EACH	48.000	48.000
0430	SPV.0060	Special 268. Voice Instruction Audible Push button	EACH	16.000	16.000
0432	SPV.0060	Special 269. Voice Instruction Audible Control Unit	EACH	2.000	2.000
0434	SPV.0060	Special 302. Fiberglass/Polymer Concrete Pull Boxes 13-Inch x 24-Inch x 24-Inch	EACH	101.000	101.000
0436	SPV.0060	Special 303. Pull Boxes 17" X 30" X 24"	EACH	50.000	50.000
0438	SPV.0060	Special 319. Poles Type 19' Bolt Down AL	EACH	18.000	18.000
0440	SPV.0060	Special 321. Poles Type 30' Bolt Down AL	EACH	69.000	69.000
0442	SPV.0060	Special 334. Lighting System Temporary	EACH	88.000	88.000
0444	SPV.0060	Special 345. Luminaire Arms Single Member 6-FT	EACH	152.000	152.000
0446	SPV.0060	Special 374. Luminaire Utility1 LED2	EACH	16.000	16.000
0448	SPV.0060	Special 375. Luminaire Architectural 2 LED2	EACH	136.000	136.000
0450	SPV.0060	Special 387. Remove Luminaire Complete	EACH	1.000	1.000
0452	SPV.0060	Special 388. Remove Lighting Units	EACH	93.000	93.000
0454	SPV.0060	Special 400. Adjusting CUC Manhole Cover	EACH	17.000	17.000
0456	SPV.0060	Special 401. 4' Diameter Manhole Type CUC	EACH	11.000	11.000
0458	SPV.0060	Special 410. 4' Diameter "Doghouse" Manhole Type CUC	EACH	1.000	1.000
0460	SPV.0060	Special 413. 5' Diameter "Doghouse" Manhole Type CUC Installed Over Conduit	EACH	4.000	4.000
0462	SPV.0060	Special 420. Removing CUC Manholes	EACH	1.000	1.000
0464	SPV.0060	Special 425. Installing Conduit Into Existing Manhole	EACH	14.000	14.000
0466	SPV.0060	Special 999. Water Main Protection	EACH	4.000	4.000
0468	SPV.0090	Special 001. Construction Staking Concrete Sidewalk	LF	16,594.000	16,594.000
0470	SPV.0090	Special 002. Concrete Curb and Gutter Integral 19-Inch	LF	13,222.000	13,222.000
0472	SPV.0090	Special 010. Marking Line Epoxy 6-Inch	LF	14,480.000	14,480.000
0474	SPV.0090	Special 011. Marking Line Epoxy 24-Inch	LF	794.000	794.000
0476	SPV.0090	Special 020. Concrete Sidewalk, Cold Weather Covering, Plastic 1 Layer	LF	3,960.000	3,960.000
0478	SPV.0090	Special 021. Concrete Sidewalk, Cold Weather Covering, Plastic 2 Layer	LF	3,960.000	3,960.000
0480	SPV.0090	Special 022. Concrete Sidewalk, Cold Weather Covering, Plastic/Hay/Plastic or Bl	LF	3,960.000	3,960.000
0482	SPV.0090	Special 023. Concrete Curb and Gutter, Cold Weather Covering, Plastic 1 Layer	LF	3,960.000	3,960.000
0484	SPV.0090	Special 024. Concrete Curb and Gutter, Cold Weather Covering, Plastic 2 Layer	LF	3,960.000	3,960.000
0486	SPV.0090	Special 025. Concrete Curb and Gutter and Barrie, Cold Weather Covering,	LF	3,960.000	3,960.000

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Line	Item	Item Description	Unit	Total	Qty
		Plastic/Hay/Bla			
0488	SPV.0090	Special 050. Storm Sewer Pipe Corrugated PVC 12-Inch	LF	100.000	100.000
0490	SPV.0090	Special 201. Install Fiber Optic Cable Outdoor Plant 72 Count Contractor Supplied	LF	9,500.000	9,500.000
0492	SPV.0090	Special 306. Electrical Cable Type 3#6/1#8 XLP USE - 2	LF	500.000	500.000
0494	SPV.0090	Special 307. Electrical Cable Type 3#4/1#8 LTP	LF	390.000	390.000
0496	SPV.0090	Special 308. Electrical Cable Type 3#2/1#8 XLPE USE - 2	LF	20,850.000	20,850.000
0498	SPV.0090	Special 319. Liquid Tight Flexible Non-Metallic Conduit 1-1/2 Inch	LF	50.000	50.000
0500	SPV.0090	Special 401. 1-Duct Conduit, Cement Encased, 4-Inch Rigid Nonmetallic DB-60	LF	85.000	85.000
0502	SPV.0090	Special 402. 2-Duct Conduit, Cement Encased, 4-Inch Rigid Nonmetallic DB-60	LF	391.000	391.000
0504	SPV.0090	Special 404. 4-Duct Conduit, Cement Encased, 4-Inch Rigid Nonmetallic DB-60	LF	259.000	259.000
0506	SPV.0090	Special 406. 6-Duct Conduit, Cement Encased, 4-Inch Rigid Nonmetallic DB-60	LF	7,969.000	7,969.000
0508	SPV.0090	Special 408. 8-Duct Conduit, Cement Encased, 4-Inch Rigid Nonmetallic DB-60	LF	63.000	63.000
0510	SPV.0165	Special 001. Skid/Slip Resistant Green Preformed Thermoplastic Integrated Bike Lane Pane	SF	2,701.000	2,701.000
0512	SPV.0180	Special 001. Concrete Pavement Joint Sealing	SY	51,055.000	51,055.000
0514	SPV.0180	Special 002. Track Zone Removal	SY	3,880.000	3,880.000
0516	SPV.0180	Special 010. Concrete Pavement Cold Weather Covering Plastic 1 Layer	SY	12,000.000	12,000.000
0518	SPV.0180	Special 011. Concrete Pavement Cold Weather Covering Plastic 2 Layers	SY	12,000.000	12,000.000
0520	SPV.0180	Special 012. Concrete Pavement Cold Weather Covering Plastic/Hay/Plastic or Blan	SY	12,000.000	12,000.000
0522	SPV.0195	Special 001. Management of Solid Waste	TON	100.000	100.000
0524	SPV.0195	Special 002. Excavation Hauling & Disposal Of Creosote Contaminated Soil	TON	258.000	258.000

CLEARING AND GRUBBING ITEMS

CATEGORY	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID
0010	107+07	RT	14	14
	107+88	LT	15	15
	107+92	RT	18	18
	123+94	LT	--	24
	126+46	RT	--	31
	129+75	LT	20	20
	130+71	LT	27	27
	131+01	MEDIAN	7	7
	131+16	LT	14	14
	131+78	LT	24	24
	133+44	LT	26	26
	133+91	LT	22	22
	134+35	LT	24	24
	144+14	RT	14	14
	144+65	RT	16	16
	146+78	RT	18	18
	147+26	RT	16	16
	147+72	RT	24	24
	147+74	MEDIAN	5	5
	148+02	MEDIAN	6	6
	148+06	LT	12	12
	154+90	LT	16	16
	156+03	LT	14	14
	157+59	MEDIAN	14	14
	157+91	MEDIAN	4	4
	158+17	MEDIAN	12	12
	158+52	LT	16	16
	159+67	MEDIAN	6	6
	159+83	MEDIAN	5	5
	159+93	LT	16	16
	160+05	MEDIAN	6	6
	160+19	MEDIAN	6	6
	160+80	LT	--	20
	161+49	MEDIAN	--	21
	163+95	MEDIAN	--	6
	169+62	MEDIAN	--	5
	169+95	MEDIAN	--	4
	173+69	MEDIAN	--	3
	174+00	RT	24	24
	176+09	MEDIAN	--	11
	176+50	MEDIAN	--	5
	178+20	MEDIAN	--	9
	178+74	RT	20	20
	179+80	MEDIAN	--	10
	181+12	MEDIAN	--	12
	183+95	MEDIAN	4	4
	184+09	MEDIAN	4	4
	TOTALS		489	650

TRACK ZONE REMOVAL

CATEGORY	STATION - STATION	SPV.0180.002 SY
0010	105+00 - 120+00	1,360
	120+00 - 132+00	---
	132+00 - 145+00	2,370
	145+00 - 158+50	150
	158+50 - 172+50	---
	172+50 - 186+20	---
	TOTAL	3,880

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION - STATION	204.0100 SY
0010	105+00 - 120+00	9,250
	120+00 - 132+00	6,790
	132+00 - 145+00	9,280
	145+00 - 158+50	8,720
	158+50 - 172+50	8,310
	172+50 - 186+20	8,220
	CONCRETE DRIVEWAYS	1,310
	TOTAL	51,880

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION - STATION	204.0120 SY
0010	105+00 - 120+00	120
	120+00 - 132+00	29
	132+00 - 145+00	0
	145+00 - 158+50	30
	158+50 - 172+50	157
	172+50 - 186+20	147
	LOCUST STREET	99
	TOTALS	582

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	204.0150 LF
0010	105+00 - 120+00	227
	120+00 - 132+00	50
	132+00 - 145+00	---
	145+00 - 158+50	61
	158+50 - 172+50	186
	172+50 - 186+20	109
	LOCUST STREET	623
	TOTAL	1,256

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	204.0155 SY
0010	105+00 - 120+00	2,170
	120+00 - 132+00	1,520
	132+00 - 145+00	1,420
	145+00 - 158+50	1,810
	158+50 - 172+50	1,920
	172+50 - 186+20	1,900
	LOCUST STREET	360
	TOTAL	11,100

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 2667-03-71 EACH
0010	2667-03-71	1
	TOTAL	1

BASE AGGREGATE DENSE

CATEGORY	STATION - STATION	305.0120* 1 1/4-INCH TON
0010	105+00 - 120+00	3,750
	120+00 - 132+00	2,950
	132+00 - 145+00	3,350
	145+00 - 158+50	3,650
	158+50 - 172+50	3,700
	172+50 - 186+20	3,500
	LOCUST STREET	740
	10% Undistributed	2,164
	TOTAL	23,804

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE BASE 8-INCH

CATEGORY	STATION - STATION	320.0145 SY
0010	105+00 - 120+00	206
	120+00 - 132+00	---
	132+00 - 145+00	---
	145+00 - 158+50	---
	158+50 - 172+50	---
	172+50 - 186+20	---
	TOTAL	206

CONCRETE PAVEMENT JOINT SEALING

CATEGORY	STATION - STATION	SPV.0180.001 SY
0020	105+00 - 120+00	8,715
	120+00 - 132+00	6,857
	132+00 - 145+00	8,075
	145+00 - 158+50	8,759
	158+50 - 172+50	8,671
	172+50 - 186+20	8,197
	LOCUST STREET	1,781
	TOTALS	51,055

CONCRETE PAVEMENT GAPS

CATEGORY	STATION	-	STATION	STAGE 1 415.0210 EACH	STAGE 2 415.0210 EACH
0010	105+00	-	120+00	--	1
	120+00	-	132+00	2	---
	132+00	-	145+00	2	1
	145+00	-	158+50	1	1
	158+50	-	172+50	1	1
	172+50	-	186+20	--	1
	LOCUST STREET				
	UNDISTRIBUTED			2	2
	SUBTOTAL			8	7
	TOTAL			15	

CONCRETE PAVEMENT

CATEGORY	STATION - STATION	415.0080 8-INCH SY	415.1080 HES 8-INCH SY
0010	105+00 - 120+00	7,760	---
	120+00 - 132+00	5,710	340
	132+00 - 145+00	6,910	350
	145+00 - 158+50	7,680	200
	158+50 - 172+50	7,700	40
	172+50 - 186+20	7,300	---
	LOCUST STREET	1,630	---
	TOTALS	44,690	930

CONCRETE DRIVEWAY HES 7-INCH

CATEGORY	STATION	LOCATION	416.0270 SY
0010	127+64	RT	30
	129+27	RT	22
	130+28	RT	40
	132+29	RT	38
	134+41	RT	27
	135+04	RT	33
	139+73	RT	30
	144+80	LT	32
	147+29	LT	39
	148+44	LT	33
	170+04	RT	31
	TOTALS		355

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EARTHWORK SUMMARY

CATEGORY	LOCATION	STA TO STA	(C) CUT CY	(E) UNDISTRIBUTED EBS EXCAVATION CY	(2) 205.0100 EXCAVATION COMMON CY	(S) SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	(4) AVAILABLE MATERIAL CY	(5) 0% REDUCED EBS IN FILL CY	(6) 120.0% EXPANDED EBS BACKFILL CY	UNEXPANDED FILL CY	(7) UNDISTRIBUTED BASE AGGREGATE DENSE 305.0120*** 1 1/4-INCH TON*	(8) ** 120.00% EXPANDED FILL CY	(9) MASS ORDINATE EXCESS (SHORTAGE) CY
0010	N HUMBOLDT BOULEVARD	106+18 - 186+14	27,536	6,884	34,419	15,786	11,750	--	8,261	159	15,282	191	11,559
	E NORTH AVENUE	9+23 AW - 10+77 AE	127	32	159	109	18	--	38	0	71	--	18
	E WALWORTH STREET	10+22 B - 10+75 B	75	19	94	64	11	--	23	0	42	--	11
	E MEINECKE AVENUE	9+20 CW - 10+80 CE	191	48	239	163	28	--	57	0	106	--	28
	E WRIGHT STREET	9+25 DW - 10+75 DE	176	44	221	138	38	--	53	0	98	--	38
	E CLARKE STREET	9+36 EW - 10+75 EE	145	36	182	114	31	--	44	0	81	--	31
	E CENTER STREET	8+96 F - 9+71 F	189	47	236	148	41	--	57	0	105	--	41
	E HADLEY STREET	9+35 G - 9+78 G	60	15	75	43	17	--	18	0	33	--	17
	E LOCUST STREET	7+70 H - 12+25 H	799	200	999	686	114	--	240	0	444	--	114
	E CHAMBERS STREET (WEST LEG)	9+30 I - 9+71 I	81	20	102	67	15	--	24	0	45	--	15
	E CHAMBERS STREET (EAST LEG)	10+22 J - 10+80 J	84	21	105	69	15	--	25	0	47	--	15
	E BURLEIGH STREET	9+30 K - 10+60 K	140	35	175	115	25	--	42	0	78	--	25
	E AUER AVENUE	9+30 LW - 10+75 LE	144	36	180	118	26	--	43	0	80	--	26
	E CONCORDIA AVENUE (WEST LEG)	9+35 M - 9+71 M	66	16	82	54	12	--	20	0	37	--	12
	E CONCORDIA AVENUE (EAST LEG)	10+22 N - 10+70 N	67	17	83	55	12	--	20	0	37	--	12
	E TOWNSEND STREET	9+30 O - 9+77 O	68	17	85	56	12	--	20	0	38	--	12
	E KEEFE AVENUE	9+29 P - 10+60 P	150	37	187	123	27	--	45	0	83	--	27
	TOTALS		30,100	7,525	37,624	17,906	12,193	--	9,030	159	16,707	191	12,003

NOTES

1) UNDISTRIBUTED EBS EXCAVATION (E) = 25% OF EXCAVATION AREA ON N HUMBOLDT BOULEVARD AND SIDE ROADS
2) EXCAVATION COMMON IS THE SUM OF THE CUT (C) AND EBS EXCAVATION (S).
3) EBS EXCAVATION (E) TO BE BACKFILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH .
4) AVAILABLE MATERIAL = CUT (C) - (S).
5) SOILS REMOVED AS EBS MUST BE WASTED OFFSITE AND NOT REUSED AS FILL.
6) EXPANDED EBS BACKFILL. THIS IS TO BE FILLED WITH BASE AGGREGATE DENSE 1 1/4-INCH. EBS EXPANSION FACTOR 1.20.
7) UNDISTRIBUTED QUANTITY OF BASE AGGREGATE DESNE 1 1/4-INCH USED TO FILL EBS.
9) MASS ORDINATE =AVAILABLE MATERIAL (5) - EXPANDED FILL (10) = BORROW AND SELECT BORROW OR WASTE
10) BORROW = MASS ORDINATE (SHORTAGE) (11) - SELECT BORROW

* CY TO TON CONVERSION FACTOR = 1.85 TON/CY
** FILL EXPANSION FACTOR = 1.20
*** ADDITIONAL QUANTITIES LISTED ELSEWHERE

EXCAVATION, HAULING, AND DISPOSAL OF CREOSOTE CONTAMINATED SOIL

CATEGORY	STATION	-	STATION	SPV.0195.002 TON
0010	105+00	-	120+00	92
	120+00	-	132+00	--
	132+00	-	145+00	166
	145+00	-	158+50	--
	158+50	-	172+50	--
	172+50	-	186+20	--
	LOCUST STREET			--
	SIDEROADS			
	TOTAL			258

CONCRETE DRIVEWAY 7-INCH

CATEGORY	STATION	LOCATION	416.0170 SY
0010	106+66	LT	28
	107+42	RT	54
	107+53	LT	55
	107+69	RT	25
	108+18	RT	15
	113+39	RT	19
	131+74	RT	13
	132+76	RT	27
	135+77	RT	16
	137+09	RT	16
	138+17	RT	16
	154+77	LT	14
	155+27	LT	11
	156+31	RT	20
	156+70	RT	13
	157+14	RT	16
	157+85	RT	21
	160+75	RT	21
	161+30	RT	12
	166+39	LT	13
	166+56	RT	21
	169+53	LT	20
	171+21	RT	13
	172+19	RT	30
	172+78	RT	22
	173+35	RT	23
	173+80	LT	15
	175+03	RT	17
	175+54	RT	16
	175+61	LT	12
	175+96	RT	20
	176+07	LT	13
	177+05	RT	20
	179+56	RT	15
	181+33	LT	13
	8+06 H	RT	20
	8+71 H	RT	59
	9+21 H	LT	31
	11+79 H	LT	21
	TOTAL		826

PAVEMENT BARS

CATEGORY	STATION - STATION	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	105+00 - 120+00	--	168
	120+00 - 132+00	--	32
	132+00 - 145+00	--	66
	145+00 - 158+50	--	35
	158+50 - 172+50	--	23
	172+50 - 186+20	--	51
	LOCUST STREET	--	11
	UNDISTRIBUTED	50	20
	TOTALS	50	406

TACK COAT

CATEGORY	STATION - STATION	455.0605 STAGE 1 GAL
0010	105+00 - 120+00	38
	120+00 - 132+00	4
	132+00 - 145+00	--
	145+00 - 158+50	4
	158+50 - 172+50	22
	172+50 - 186+20	21
	LOCUST STREET	14
	TOTAL	102

ASPHALTIC SURFACE

CATEGORY	STATION - STATION	465.0105 TON
0010	105+00 - 120+00	45
	120+00 - 132+00	5
	132+00 - 145+00	--
	145+00 - 158+50	5
	158+50 - 172+50	26
	172+50 - 186+20	25
	LOCUST STREET	17
	UNDISTRIBUTED	25
	TOTAL	148

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

CATEGORY	STATION	LOCATION	465.0120 TON	REMARKS
0010	107+53	LT	3	DRIVEWAY
	131+74	RT	4	DRIVEWAY
	135+04	RT	2	DRIVEWAY
	139+29	RT	1	PATH
	139+73	RT	1	DRIVEWAY
	144+80	LT	3	DRIVEWAY
	145+30	RT	7	PATH
	147+10 - 148+60	LT	22	PARKING LOT
	155+22	RT	1	PATH
	172+19	RT	2	DRIVEWAY
	9+21 H	LT	2	DRIVEWAY
	TOTAL		48	

3

TEMPORARY ASPHALTIC SURFACE SUMMARY

CATEGORY	STAGE	STATION - STATION	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0310 ASPHALTIC CURB LF
0010	Pre Stage 1	105+00 - 186+20	496	270	--
	1	105+00 - 186+20	617	336	729
	2	105+00 - 186+20	11	6	--
		TOTALS	1,124	612	729

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STATION - STATION	SPV.0090.002 INTEGRAL CONCRETE CURB & GUTTER 19-INCH LF	601.0322 CONCRETE CURB & GUTTER 22-INCH LF	601.0331 CONCRETE CURB & GUTTER 31-INCH LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	105+00 - 120+00	2,302	--	3,231	121	118
	120+00 - 132+00	2,279	--	2,510	12	--
	132+00 - 145+00	1,760	--	2,737	132	--
	145+00 - 158+50	2,186	--	2,772	41	--
	158+50 - 172+50	2,372	21	2,949	60	--
	172+50 - 186+20	2,323	--	2,861	63	--
	LOCUST STREET	--	---	670	--	--
	TOTALS	13,222	21	17,730	429	118

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION - STATION	620.0300 SF
0010	105+00 - 120+00	67
	120+00 - 132+00	20
	132+00 - 145+00	65
	145+00 - 158+50	104
	158+50 - 172+50	46
	172+50 - 186+20	64
	LOCUST STREET	---
	TOTAL	366

3

CONCRETE SIDEWALK ITEMS

CATEGORY	STATION - STATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0010	105+00 - 120+00	20,100	312	26
	120+00 - 132+00	13,800	96	8
	132+00 - 145+00	13,800	168	14
	145+00 - 158+50	17,000	216	18
	158+50 - 172+50	18,700	264	22
	172+50 - 186+20	17,700	216	18
	LOCUST STREET	3,140	--	
	TOTALS	104,240	1,272	106

CONCRETE CORRUGATED MEDIAN

CATEGORY	STATION - STATION	620.0100 SF
0010	105+00 - 120+00	---
	120+00 - 132+00	---
	132+00 - 145+00	221
	145+00 - 158+50	---
	158+50 - 172+50	---
	172+50 - 186+20	---
	TOTAL	221

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION - STATION	LOCATION	623.0200 SY
0010	105+00 - 120+00	LT/RT	13009
	120+00 - 132+00	LT/RT	10141
	132+00 - 145+00	LT/RT	11452
	145+00 - 158+50	LT/RT	12637
	158+50 - 172+50	LT/RT	12797
	172+50 - 186+20	LT/RT	12155
	LOCUST STREET	LT/RT	2520
	EBS		15050
	10% UNDISTRIBUTED		8976
	TOTAL		98,736

WATER

CATEGORY	STATION - STATION	LOCATION	624.0100 MGAL
0010	105+00 - 120+00	LT/RT	56
	120+00 - 132+00	LT/RT	44
	132+00 - 145+00	LT/RT	50
	145+00 - 158+50	LT/RT	55
	158+50 - 172+50	LT/RT	56
	172+50 - 186+20	LT/RT	53
	LOCUST STREET	LT/RT	11
	EBS		251
	UNDISTRIBUTED		32
	TOTAL		608

TOPSOIL

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY
0010	105+00 - 120+00	LT/RT	3,060
	120+00 - 132+00	LT/RT	2,870
	132+00 - 145+00	LT/RT	2,470
	145+00 - 158+50	LT/RT	2,300
	158+50 - 172+50	LT/RT	2,810
	172+50 - 186+20	LT/RT	2,760
	LOCUST STREET	LT/RT	250
	UNDISTRIBUTED (5%)		830
	TOTAL		17,350

WASTE SITE SUMMARY

CATEGORY	LOCATION	627.0200 MULCHING SY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	630.0300 SEEDING BORROW PIT LB
0010	UNDISTRIBUTED	5,000	1,000	2,000	100
	TOTALS	5,000	1,000	2,000	100

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	PROJECT	618.0100 EACH
0010	2667-03-71	1
	TOTAL	1

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	2667-03-71	1
	TOTAL	1

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	2667-03-71	12	6

INLET PROTECTION

CATEGORY	STATION	LOCATION	628.7005 TYPE A EACH	628.7020 TYPE D EACH
0010	105+00 - 120+00	LT/RT	24	39
	120+00 - 132+00	LT/RT	19	29
	132+00 - 145+00	LT/RT	17	31
	145+00 - 158+50	LT/RT	25	33
	158+50 - 172+50	LT/RT	28	44
	172+50 - 186+20	LT/RT	24	35
	LOCUST STREET	LT/RT	4	8
	UNDISTRIBUTED		10	10
	TOTALS		151	229

3

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	105+00	2
	186+20	2
	UNDISTRIBUTED	2
	TOTAL	6

FIELD FACILITIES OFFICE SPACE

CATEGORY	PROJECT	SPV.0060.060 EACH
0010	2667-03-71	1
	TOTAL	1

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	STATION - STATION	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC COVERING SIGNS TYPE II EACH	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	SPV.0060.001 TEMPORARY BUS LOADING ZONE EACH
0010	PRE STAGE 1	105+00 - 186+20	4,060	260	1,180	11	11	2,360	120	2,100	--	--	--	--	--
		UNDISTRIBUTED	200	20	--	--	--	--	--	--	10	--	--	--	--
		PRE STAGE 1 SUB-TOTALS	4,260	280	1,180	11	11	2,360	120	2,100	10	--	--	--	--
	1	105+00 - 186+20	12,628	5,986	24,436	338	338	48,872	3,526	21,238	--	1,370	902	719	13
		UNDISTRIBUTED	656	328	--	30	30	--	164	--	10	--	--	--	--
		STAGE 1 SUB-TOTALS	13,284	6,314	24,436	368	368	48,872	3,690	21,238	10	1,370	902	719	13
	2	105+00 - 186+20	7,216	5,822	22,550	338	338	45,100	3,444	22,796	--	1,930	2,296	779	15
		UNDISTRIBUTED	328	328	--	30	30	--	164	--	10	--	--	--	--
		STAGE 2 SUB-TOTALS	7,544	6,150	22,550	368	368	45,100	3,608	22,796	10	1,930	2,296	779	15
	3	105+00 - 186+20	8,100	640	900	--	--	1,800	1,660	3,400	--	--	120	--	--
		UNDISTRIBUTED	400	40	--	--	--	--	80	--	10	--	--	--	--
		STAGE 3 SUB-TOTALS	8,500	680	900	--	--	1,800	1,740	3,400	10	--	120	--	--
		TOTALS	33,588	13,424	49,066	747	747	98,132	9,158	49,534	40	3,300	3,318	1,498	28

FINISHING ITEMS

CATEGORY	STATION - STATION	629.0210 FERTILIZER TYPE B CWT	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	105+00 - 120+00	1.9	69	3,060
	120+00 - 132+00	1.8	64	2,870
	132+00 - 145+00	1.6	55	2,470
	145+00 - 158+50	1.4	52	2,300
	158+50 - 172+50	1.8	63	2,810
	172+50 - 186+20	1.7	62	2,760
	LOCUST STREET	0.2	6	250
	UNDISTRIBUTED	0.5	19	830
	TOTALS	10.9	390	17,350

GREEN BIKE LANE PAVEMENT MARKING

CATEGORY	STATION - STATION	SPV.0165.001 SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE PANEL SF	SPV.0060.004 SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE ARROW EACH	SPV.0060.005 SKID/SLIP RESISTANT GREEN PREFORMED THERMOPLASTIC INTEGRATED BIKE LANE SYMBOL EACH
0020	105+00 - 120+00	---	---	---
	120+00 - 132+00	---	---	---
	132+00 - 145+00	1,042	2	2
	145+00 - 158+50	780	1	1
	158+50 - 172+50	---	---	---
	172+50 - 186+20	---	---	---
	LOCUST STREET	879	1	2
	TOTALS	2,701	4	5

TRAFFIC CONTROL SIGNS PCMS

CATEGORY	STAGE	QUANTITY EACH	DURATION DAYS	643.1050 DAY
0010	PRE-STAGE 1	2	5	10
	TOTAL			10

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 2667-03-71 EACH
0010	2667-03-71	1
	TOTAL	1

PAVEMENT MARKING

CATEGORY	STATION - STATION	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	SPV.0090.010 MARKING LINE EPOXY 6-INCH (WHITE) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	646.7420 MARKING CROSSWALK EPOXY TRANVERSE LINE 6-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	SPV.0090.011 MARKING LINE EPOXY 24-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8020 MARKING CORRUGATED MEDIAN EPOXY SF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	105+00 - 120+00	3,090	2,591	2,857	761	400	24	---	12	244	880	---	283	7
	120+00 - 132+00	2,184	2,184	2,213	100	107	14	---	11	52	176	---	95	2
	132+00 - 145+00	1,633	2,016	2,305	310	51	19	---	12	67	448	79	244	7
	145+00 - 158+50	2,022	1,759	2,077	495	208	20	---	13	178	656	7	182	7
	158+50 - 172+50	2,213	2,108	2,273	250	157	16	---	12	132	784	---	171	5
	172+50 - 186+20	2,123	1,978	2,208	267	388	16	---	11	121	368	---	232	7
	LOCUST STREET	1,359	392	548	429	---	9	1	2	---	---	---	---	---
	SUB TOTALS	14,624	13,028	14,480	2,612	1,311	118	1	73	794	3,312	86	1,207	35
	TOTALS	27,651		14,480	2,612	1,311	118	1	73	794	3,312	86	1,207	35

TEMPORARY PAVEMENT MARKING

CATEGORY	STAGE	STATION - STATION	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
0010	PRE	105+00 - 186+20	2,766	441	2,330	900	---	---	27	---
		PRE STAGE 1 SUB-TOTALS	2,766	441	2,330	900				
		PRE STAGE 1 TOTALS	3,207		3,230		---	---	27	---
	1	105+00 - 186+20	13,614	1,864	2,009	1,729	52	1	20	473
	1 MODIFIED	105+00 - 186+20	---	---	301	262	---	---	---	---
	1B	105+00 - 186+20	---	---	434	287	---	1	---	---
	1C	105+00 - 186+20	---	---	1,011	717	---	---	11	---
		STAGE 1 SUB-TOTALS	13,614	1,864	3,754	2,995				
		STAGE 1 TOTALS	15,478		6,749		52	2	31	473
	2	105+00 - 186+20	---	701	17,548	3,032	156	2	76	537
	2B	105+00 - 186+20	---	---	1,055	1,264	---	2	28	---
		STAGE 2 SUB-TOTALS	---	701	18,604	4,296				
		STAGE 2 TOTALS	701		22,899		156	4	104	537
	3	105+00 - 186+20	---	---	2,639	2,548	---	---	24	---
	3B	105+00 - 186+20	---	---	---	---	---	---	24	---
		STAGE 3 SUB-TOTALS	---	---	2,639	2,548				
		STAGE 3 TOTALS	---		5,187		---	---	24	---
		TOTALS	19,386		38,065		208	6	186	1,010

MARKING REMOVAL ITEMS

CATEGORY	STAGE	STATION - STATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
0010	Pre Stage 1	105+00 - 186+20	4,294	365	32	22
	1	105+00 - 186+20	5,609	175	--	2
	2	105+00 - 186+20	628	215	--	2
		TOTALS	10,531	755	32	26

CONSTRUCTION STAKING

CATEGORY	STATION - STATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.7000 CONCRETE PAVEMENT LF	SPV.0090.001 CONCRETE SIDEWALK LF
0010	105+00 - 120+00	2,763	118	2,763	2,947
	120+00 - 132+00	2,400	--	2,400	2,400
	132+00 - 145+00	2,600	--	2,600	2,600
	145+00 - 158+50	2,700	--	2,700	2,526
	158+50 - 172+50	2,800	--	2,800	2,800
	172+50 - 186+20	2,709	--	2,709	2,676
	LOCUST STREET	392	--	392	645
	SIDEROADS	955	--	955	--
	TOTALS	17,319	118	17,319	16,594

SECTION CORNER MONUMENTS

CATEGORY	LOCATION*	SPV.0060.040 EACH
0010	N HUMBOLDT BLVD & E NORTH AVENUE	1
	N HUMBOLDT BLVD & E CENTER STREET	1
	N HUMBOLDT BLVD & E BURLEIGH STREET	1
	N HUMBOLDT BLVD & E KEEFE AVENUE	1
	TOTAL	4

*SEE CONTROL POINT DATA PLAN FOR LOCATION COORDIANTES

STORM SEWER FOR TRAFFIC CONTROL

CATEGORY	LOCATION	611.8120.S COVER PLATES TEMPORARY EACH	SPV.0060.120 INLET COVERS TYPE MS 60 EACH
0010	146+14 RT		1
	165+40 RT	1	
	174+60 RT		1
	TOTALS	1	2

SAWING EXISTING PAVEMENT

CATEGORY	STATION - STATION	LOCATION	690.0150* SAWING ASPHALT LF	690.0250* SAWING CONCRETE LF
0010	105+00 - 120+00	LT/RT	140	1,045
	120+00 - 132+00	LT/RT	67	541
	132+00 - 145+00	LT/RT	53	590
	145+00 - 158+50	LT/RT	206	454
	158+50 - 172+50	LT/RT	154	453
	172+50 - 186+20	LT/RT	143	474
	LOCUST STREET	LT/RT	129	182
	SIDE ROAD BUTT JOINTS	LT/RT	525	---
	TOTALS		1,417	3,739

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SAWING EXISTING PAVEMENT

CATEGORY	STAGE	STATION	LOCATION	690.0150* SAWING ASPHALT LF	690.0250* SAWING CONCRETE LF
0010	Pre-Stage	105+00 - 186+20	LT/RT	---	4,444
	1	105+00 - 186+20	LT/RT	251	1,071
	1B	105+00 - 186+20	LT/RT	209	86
	1C	105+00 - 186+20	LT/RT	31	75
	2	105+00 - 186+20	LT/RT	279	529
	2B	105+00 - 186+20	LT/RT	---	---
	3	105+00 - 186+20	LT/RT	---	---
	TOTALS			771	6,204

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MANAGEMENT OF SOLID WASTE

CATEGORY	LOCATION	SPV.0195.001 TON
0010	UNDISTRIBUTED	100
	TOTAL	100

CONSTRUCTION STAKING

CATEGORY	PROJECT	650.9910 SUPPLEMENTAL CONTROL LS
0010	2667-03-71	1
	TOTALS	1

TREE ITEMS

CATEGORY	STATION - STATION	632.0101.004 ACCOLADE ELM 3" B&B EACH	632.0101.005 CALLERY PEAR 3" B&B EACH	632.0101.006 UPRIGHT ENGLISH OAK 3" B&B EACH	632.0101.007 AUTUMN BLAZE MAPLE 3.5" B&B EACH	632.0101.008 JAPANESE TREE LILAC 2.5" B&B EACH	632.0101.009 TULIP TREE 3" B&B EACH	632.0101.010 CUMULUS SERVICEBERRY 3" B&B EACH	632.0101.011 KENTUCKY COFFEETREE 3" B&B EACH	632.0101.012 RASPBERRY SPEAR CRABAPPLE 2.5" B&B EACH	632.0101.013 CRIMSON SUNSET MAPLE 3" B&B EACH	632.0101.014 DAWN REDWOOD 3" B&B EACH	632.0101.015 THORNLESS HAWTHORN 2.5" B&B EACH	632.0101.016 SUNBURST HONEYLOCUST 3" B&B EACH	632.0101.017 PURPLE PRINCE CRABAPPLE 3" B&B EACH	632.0101.018 ADAMS CRABAPPLE 3" B&B EACH	632.0101.019 FT. MCNAIR RED HORSECHESTNUT 3" B&B EACH	632.0101.020 ADIRONDACK CRABAPPLE 3" B&B EACH	632.0101.021 GOLDEN RAINDROPS CRABAPPLE 3" B&B EACH
0010	105+00 - 120+00	1	---	---	1	---	---	1	---	2	---	1	---	3	5	---	1	3	---
	120+00 - 132+00	---	---	---	1	3	---	---	---	---	---	---	---	3	---	---	---	1	---
	132+00 - 145+00	---	3	1	---	---	---	---	---	---	3	---	6	---	---	5	---	---	---
	145+00 - 158+50	---	1	---	---	---	---	---	1	---	---	---	---	2	---	---	---	---	---
	158+50 - 172+50	---		---	---	1	---	---	1	---	---	---	---	---	---	---	4	---	---
	172+50 - 186+20	1	1	---	3	---	1	---	---	---	---	---	---	---	---	---	---	---	1
	LOCUST STREET	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	TOTALS	2	5	1	5	4	1	1	2	2	3	1	6	8	5	5	5	4	1

SIGNATURE BED ITEMS

CATEGORY	LOCATION	632.0101.001 TAXODIUM DISTICHUM BALD CYPRESS EACH	632.0101.002 GLEDITSIA SHADEMASTER EACH	632.0101.003 MALUS PRARIEFIRE EACH	SPV.0060.020 CATMINT BLUE WONDER EACH	632.0201.001 HYDRANGEA ANNABELLE EACH	632.0201.002 ROSE KNOCKOUT RED EACH	SPV.0060.022 PAEONIA KANSAS EACH	632.0201.003 PHYSOCARPUS DIABLO EACH	SPV.0060.023 PEROVSKIA JEAN BABY EACH	SPV.0060.021 HEMEROCALLIS STRAWBERRY FIELDS EACH
0010	SIGNATURE BED #1	3	---	---	20	20	20	---	---	---	---
	SIGNATURE BED #2	---	1	2	---	---	---	18	8	18	64
	TOTALS	3	1	2	20	20	20	18	8	18	64

SIGNATURE BED

CATEGORY	LOCATION	SPV.0060.015 EACH
0010	SIGNATURE BED #1	1
	SIGNATURE BED #2	1
	TOTAL	2

INTERNAL MANHOLE SEAL

CATEGORY	LOCATION	SPV.0060.030 EACH
0020	UNDISTRIBUTED	1
	TOTAL	1

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.050 EACH
0010	HUMBOLDT BLVD & NORTH AVE	4
	HUMBOLDT BLVD & WRIGHT ST	2
	HUMBOLDT BLVD & CENTER ST	2
	HUMBOLDT BLVD & LOCUST ST	4
	HUMBOLDT BLVD & BURLEIGH ST	2
	HUMBOLDT BLVD & KEEFE AVE	2
	TOTAL	16

PLANTING SURVEILLANCE & CARE CYCLES

CATEGORY	LOCATION	632.9101 EACH
0010	HUMBOLDT BLVD	10
	TOTAL	10

SIGNATURE BED PLANTING CHARTS (FOR INFORMATION ONLY)

PLANTINGS AND SHURBS

COMMON NAME	SIZE PLANTED	ROOT ZONE MODE	HEIGHT	REMARKS
CATMINT BLUE WONDER	2 GALLON	CG	-	SPECIMEN QUALITY
HYDRANGIA ANNABELLE	3 GALLON	CG	-	SPECIMEN QUALITY
ROSE KNOCKOUT RED	4 GALLON	CG	-	SPECIMEN QUALITY
PAEONIA KANSAS	4 GALLON	CG	-	SPECIMEN QUALITY
PHYSOCARPUS DIABLO	5 GALLON	B&B	-	SPECIMEN QUALITY
PEROVSKIA JEAN BABY	3 GALLON	CG	-	SPECIMEN QUALITY
HEMEROCALLIS STRAWBERRY FIELDS	2 GALLON	CG	-	SPECIMEN QUALITY

TREES

DESCRIPTION	COMMON NAME	CALIPER	ROOT	SPREAD	HEIGHT	REMARKS
TAXODIUM DISTICHUM	BALD CYPRESS	3.0”	B&B	-	-	SPECIMEN QUALITY
GLEDITSIA	HONEY LOCUST SHADEMASTER	2.5”	B&B	-	-	SPECIMEN QUALITY
MALUS PRARIEFIRE	CRABAPPLE – ‘PRAIREFIRE’	2	B&B	-	-	SPECIMEN QUALITY

TREE PLANTING CHART (FOR INFORMATION ONLY)

COMMON NAME	SCIENTIFIC NAME	LOCATIONS	SIZE PLANTED	ROOT ZONE MODE	HEIGHT	HOLE (MIN. SIZE) DIA.	HOLE (MIN. SIZE) DEPTH	BRACE OR GUY	FERT. UNITS REQ'D	RODENT PROTECTION REQ'D	MULCH RING DIAMETER	REMARKS
ACCOLADE ELM	ULMUS CARPINIFOLIA "ACCOLADE"	STA 114+ 80 MEDIAN STA 181 +12 MEDIAN	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
CALLERY PEAR	PYRUS CALLERYANA "CLEVELAND SELECT"	STA 133 + 41 LT STA 133+ 87 LT STA134 + 34 LT STA 148 + O5 LT STA 174+ 00 RT	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
UPRIGHT ENGLISH OAK	QUERCUS ROBUR "CRIMSON SPIRE"	STA 140 + 67 LT	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
AUTUMN BLAZE MAPLE	ACER FREEMANII "AUTUMN BLAZE"	STA 107+ 90 LT STA 122+ 64 LT STA 175+ 40 MEDIAN STA 176 +09 MEDIAN STA 179 + 80 MEDIAN	3.5" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
JAPANESE TREE LILAC	SYRINGA RETICULATA "IVORY SILK"	STA 130 + 69 LT STA 131+ 15 LT STA 131 +80 LT STA 160 + 85 LT	2.5" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
TULIP TREE	LIRIODENDRON TULIPIFERA	STA 178 + 74 RT	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
CUMULUS SERVICEBERRY	AMELANCHIER ARBOREA	STA 117 + 95 MEDIAN	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
KENTUCKY COFFEETREE	GYMNOCLADUS DIOICUS	STA150 + 75 LT STA164 + 20 RT	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
RASPBERRY SPEAR CRABAPPLE	MALUS SSP.	STA 110 + 05 MEDIAN STA 111 + 85 MEDIAN	2.5" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
CRIMSON SUNSET MAPLE	ACER PLATANOIDES	SIGNATURE BED #1 SIGNATURE BED #2	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
DAWN REDWOOD	METASEQUOIA GLYPTOSTROBOIDES	STA 113 +90 RT	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
THORNLESS HAWTHORN	CRATAEGUS CRUSGALLI INERMIS	STA 140 + 55 MEDIAN STA 140 + 90 MEDIAN STA 141 + 25 MEDIAN STA 142 + 50 MEDIAN STA 142 + 85 MEDIAN STA 143 + 20 MEDIAN	2.5" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
SUNBURST HONEYLOCUST	GLEDITSIA TRIACANTHOS 'INERMIS'	STA 117 + 75 LT STA 129 + 72 LT STA 158+ 44 LT STA 107 + 07 RT STA 107 + 87 RT STA 126 + 46 RT STA 147 + 90 RT STA 121 + 20 MEDIAN	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY

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TREE PLANTING CHART (FOR INFORMATION ONLY)

COMMON NAME	SCIENTIFIC NAME	LOCATIONS	SIZE PLANTED	ROOT ZONE MODE	HEIGHT	HOLE (MIN. SIZE) DIA.	HOLE (MIN. SIZE) DEPTH	BRACE OR GUY	FERT. UNITS REQ'D	RODENT PROTECTION REQ'D	MULCH RING DIAMETER	REMARKS
PURPLE PRINCE CRABAPPLE	MALUS SSP.	STA 110 + 35 MEDIAN STA 110 + 65 MEDIAN STA 110 + 95 MEDIAN STA 111 + 25 MEDIAN STA 111 + 55 MEDIAN	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
ADAMS CRABAPPLE	MALUS SSP.	STA 136 + 35 MEDIAN STA 136 + 65 MEDIAN STA 137+ 05 MEDIAN STA 137 + 40 MEDIAN STA 137 + 75 MEDIAN	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
FT. MCNAIR RED HORSECHESTNUT	AESCULUS X CARNEA	STA 113 + 53 RT STA 170 + 30 RT STA 161 + 15 MEDIAN STA 161 +50 MEDIAN STA 161 + 85 MEDIAN	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
ADIRONDACK CRABAPPLE	MALUS SSP.	STA 108 + 25 MEDIAN STA 108 + 50 MEDIAN STA 108 + 75 MEDIAN STA 126 + 90 MEDIAN	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY
GOLDEN RAINDROPS CRABAPPLE	MALUS SSP.	STA 178 + 20 MEDIAN	3" CAL.	B&B	10' - 15'	54"	24"	GUY	4 EACH	NONE	48"	SPECIMEN QUALITY

COLD WEATHER COVERING

		SPV.0180.010	SPV.0180.011	SPV.0180.012	SPV.0090.020	SPV.0090.021	SPV.0090.022	SPV.0090.023	SPV.0090.024	SPV.0090.025
		CONCRETE PAVEMENT, COLD WEATHER COVERING			CONCRETE SIDEWALK, COLD WEATHER COVERING			CONCRETE CURB AND GUTTER, COLD WEATHER COVERING		
		PLASTIC 1 LAYER	PLASTIC 2 LAYERS	PLASTIC/HAY/PLASTIC OR BLANKETS	PLASTIC 1 LAYER	PLASTIC 2 LAYERS	PLASTIC/HAY/PLASTIC OR BLANKETS	PLASTIC 1 LAYER	PLASTIC 2 LAYERS	PLASTIC/HAY/PLASTIC OR BLANKETS
CATEGORY	LOCATION	SY	SY	SY	LF	LF	LF	LF	LF	LF
0010	UNDISTRIBUTED	12000	12000	12000	3960	3960	3960	3960	3960	3,960
	TOTALS	12,000	12,000	12,000	3,960	3,960	3,960	3,960	3,960	3,960

CITY UNDERGROUND CONDUIT

LOCATION			CATEGORY										
			204.0250 ABANDONING MANHOLES EACH	SPV.0060.400 ADJUSTING CUC MANHOLE COVERS EACH	SPV.0060.401 4' DIAMETER MANHOLE TYPE CUC EACH	SPV.0060.410 4' DIAMETER "DOGHOUSE" MANHOLE TYPE CUC EACH	SPV.0060.413 5' DIAMETER "DOGHOUSE" MANHOLE TYPE CUC INSTALLED OVER CONDUIT EACH	SPV.0060.420 REMOVING CUC MANHOLE EACH	SPV.0060.425 INSTALLING CONDUIT INTO EXISTING MANHOLE EACH	SPV.0090.408 8-DUCT CONDUIT CEMENT ENCASED DB-60 LF	SPV.0090.406 6-DUCT CONDUIT CEMENT ENCASED DB-60 LF	SPV0090.404 4-DUCT CONDUIT CEMENT ENCASED DB-60 LF	SPV0090.402 2-DUCT CONDUIT CEMENT ENCASED DB-60 LF	SPV0090.401 1-DUCT CONDUIT CEMENT ENCASED DB-60 LF
MANHOLE 601	-	STA 105 + 70.5, 36.5 RT											
MANHOLE 602	-	STA 105 + 78.2, 36.9 LT		1 NEW COVER					1				
MANHOLE 602	TO	PROPOSED TRAFFIC CONTROL CABINET											32
MANHOLE 603	-	STA 106 + 23.5, 43.9 RT		1 NEW COVER					1				
MANHOLE 603	TO	MANHOLE 604					1				25		
MANHOLE 604	-	STA 106 + 24.6, 14.0 RT											
MANHOLE 604	TO	MANHOLE 605									35		
MANHOLE 604	TO	MANHOLE 607									659		
MANHOLE 605	-	STA 106 + 23.5, 43.9 RT		1 NEW COVER			1						
MANHOLE 606A	-	STA 109 + 11.6, 45.3 RT	1										
MANHOLE 607	-	STA 112 + 88.0, 11.0 RT			1								
MANHOLE 607	TO	MANHOLE 608										30	
MANHOLE 607	TO	MANHOLE 610									608		
MANHOLE 608	-	STA 112 + 87.8, 45.3 RT		1 NEW COVER					1				
MANHOLE 609A	-	STA 116 + 43.0, 45.3 RT	1										
MANHOLE 610	-	STA 119 + 00.0, 11.0 RT			1								
MANHOLE 610	TO	EXISTING POLICE CALL BOX										70	
MANHOLE 610	TO	STA 119 + 26.3, 3.6 RT								25			
STA 119+84.3, 2.6.4 RT	TO	PROPOSED TRAFFIC CONTROL CABINET										78	
STA 119+26.3, 3.6 RT	TO	MANHOLE 614									650		
MANHOLE 611A	-	STA 119 + 48.7, 45.1 RT	1										
MANHOLE 612A	-	STA 122 + 54.7, 45.1 RT	1										
MANHOLE 613A	-	STA 125 + 65.2, 45.1 RT	1										
MANHOLE 614	-	STA 125 + 78.6, 8.0 RT			1								
MANHOLE 614	TO	MANHOLE 616									604		
MANHOLE 615A	-	STA 129 + 44.4, 45.1 RT	1										
MANHOLE 616	-	STA 131 + 84.3, 8.0 RT											
MANHOLE 616	TO	STA 131 + 84.3, 26.4 LT									32		
STA 131+84.3, 26.4 LT	TO	PROPOSED TRAFFIC CONTROL CABINET										25	
STA 119+26.3, 3.6 RT	TO	EXISTING POLICE CALL BOX										36	
MANHOLE 616	TO	MANHOLE 620									716		
MANHOLE 617A	-	STA 132 + 19.3, 45.1 RT	1										
MANHOLE 618A	-	STA 135+ 35.2, 45.1 RT	1										
MANHOLE 619A	-	STA 138+ 86.2, 44.3 RT	1										
MANHOLE 620	-	STA 139 + 04.0, 7.2 RT			1								
MANHOLE 620	TO	MANHOLE 623									688		
MANHOLE 621A	-	STA 142 + 17.6, 44.6 RT	1										
MANHOLE 622	-	STA 145 + 48.7, 43.6 RT		1 NEW COVER									
MANHOLE 622	TO	PROPOSED TRAFFIC CONTROL CABINET							1				53
MANHOLE 623	-	STA 145+919.9, 25.3 RT					1						
MANHOLE 623	TO	MANHOLE 627									656		
MANHOLE 624A	-	STA 149+13.9, 44.2 RT	1										
MANHOLE 625	-	STA 152+34.0, 46.5 RT		1 NEW COVER					1				
MANHOLE 626	-	STA 152+54.7, 15.0 RT		1 NEW COVER									
MANHOLE 625	TO	MANHOLE 627										35	
MANHOLE 627	TO	MANHOLE 628									328		
MANHOLE 627	-	STA 152+39.7, 32.6 LT			1								
MANHOLE 628	-	STA 155+68.5, 25.3 RT			1				3				
MANHOLE 628	TO	MANHOLE 629										28	
MANHOLE 628	TO	MANHOLE 631									302		

CONT'D

CITY UNDERGROUND CONDUIT

LOCATION			CATEGORY											
			204.0250 ABANDONING MANHOLES EACH	SPV.0060.400 ADJUSTING CUC MANHOLE COVERS EACH	SPV.0060.401 4' DIAMETER MANHOLE TYPE CUC EACH	SPV.0060.410 4' DIAMETER "DOGHOUSE" MANHOLE TYPE CUC EACH	SPV.0060.413 5' DIAMETER "DOGHOUSE" MANHOLE TYPE CUC INSTALLED OVER CONDUIT EACH	SPV.0060.420 REMOVING CUC MANHOLE EACH	SPV.0060.425 INSTALLING CONDUIT INTO EXISTING MANHOLE EACH	SPV.0090.408 8-DUCT CONDUIT CEMENT ENCASED DB-60 LF	SPV.0090.406 6-DUCT CONDUIT CEMENT ENCASED DB-60 LF	SPV0090.404 4-DUCT CONDUIT CEMENT ENCASED DB-60 LF	SPV0090.402 2-DUCT CONDUIT CEMENT ENCASED DB-60 LF	SPV0090.401 1-DUCT CONDUIT CEMENT ENCASED DB-60 LF
MANHOLE 629	-	STA 155+84.7, 43.7 RT		1 NEW COVER					1					
MANHOLE 630	-	STA 155+84.7, 15.0 RT		1 NEW COVER										
MANHOLE 631	-	STA 158 + 74.4, 25.3 RT					1							
MANHOLE 631	TO	STA 159+14.6, 25.3 RT								38				
STA 159+14.6, 25.3 RT	TO	PROPOSED TRAFFIC CONTROL CABINET											36	
STA 159+13.6, 9.0 RT	TO	MANHOLE 636									643			
MANHOLE 632	-	STA 158+74.3, 46.6 RT		1 NEW COVER										
MANHOLE 633	-	STA 162+31.4, 44.0 RT		1 NEW COVER										
MANHOLE 634R	TO	STA 165+36.5, 44.3 RT						1						
MANHOLE 635	-	STA 165+36.5, 44.3 RT		1 NEW COVER		1								
MANHOLE 635	TO	MANHOLE 636										16		
MANHOLE 636	-	STA 165+44.9, 29.5 RT			1									
MANHOLE 636	TO	SOUTH MEDIAN											37	
MANHOLE 636	TO	MANHOLE 638									660			
MANHOLE 637	-	STA 169+34.7, 43.9 RT RT		1 NEW COVER										
MANHOLE 638	-	STA 172+00.0, 12.2 RT			1									
MANHOLE 638	TO	MANHOLE 639										28		
MANHOLE 638	TO	SOUTHWEST CORNER										60		
MANHOLE 638	TO	MANHOLE 640									490			
MANHOLE 639	-	STA 172+08.3, 44.5 RT		1 NEW COVER										
MANHOLE 640	-	STA 176+25.0, 12.1 RT			1									
MANHOLE 640	TO	MANHOLE 643									521			
MANHOLE 641	-	STA 177+54.5, 43.7 RT		1 NEW COVER					2					
MANHOLE 642	-	STA 180+32.8, 43.7 RT		1 NEW COVER										
MANHOLE 641	TO	PROPOSED TRAFFIC CONTROL CABINET											16	
MANHOLE 643	-	STA 181+50.0, 12.2 RT			1									
MANHOLE 643	TO	MANHOLE 645									417		28	
MANHOLE 644	-	STA 185+70.3, 44.1 RT		1 NEW COVER					2					
MANHOLE 644	TO	PROPOSED TRAFFIC CONTROL CABINET											18	
MANHOLE 644	TO	MANHOLE 645							1				17	
MANHOLE 645	-	STA 185+70.5, 23.4 RT			1									
MANHOLE 645	TO	PAVING LIMITS									27			
TOTALS			11	17	11	1	4	1	14	63	7969	259	391	85

MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	DESCRIPTION	REMARKS
0010	R1-01	--	1	--	STREET SIGN "E NORTH AVENUE"	MOUNTED ON SIGNAL POLE
	R1-02	--	---	--	BUS STOP	TO BE REMOVED BY OTHERS
	R1-03	--	1	--	LEFT LANE MUST TURN LEFT	MOUNTED ON SIGNAL POLE
	R1-04	--	1	--	STREET SIGN "E NORTH AVENUE"	MOUNTED ON SIGNAL POLE
	R1-05	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R1-06	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R1-07	--	1	1	NO PARKING BOTH DIRECTIONS, BUS STOP	
	R1-08	--	1	1	NO PARKING LEFT	
	R1-09	--	1	---	RIGHT LANE ENDS	MOUNTED ON CONCRETE LIGHT POLE
	R1-10	--	1	---	LEFT LANE MUST TURN LEFT AHEAD	MOUNTED ON CONCRETE LIGHT POLE
	R1-11	--	1	1	STOP	
	R1-12	--	1	--	STREET SIGN "E WALWORTH STREET"	MOUNTED ON SAME POST AS R1-11
	R1-13	--	1	--	SNOW ROUTE TOW AWAY ZONE	MOUNTED ON CONCRETE LIGHT POLE
	R1-14	--	1	1	NO PARKING RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R1-15	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R1-16	--	1	1	NO PARKING LEFT	
	R1-17	--	1	--	SPEED LIMIT 30 MPH	MOUNTED ON CONCRETE LIGHT POLE
	M1-01	1	--	--	RIVERWEST	MOUNTED ON CONCRETE LIGHT POLE
	R1-18	--	1	1	KEEP RIGHT	
	R1-19	--	1	--	OBJECT MARKER	MOUNTED ON SAME POST AS R1-18
	R1-20	--	1	--	OBJECT MARKER	MOUNTED ON SAME POST AS R1-18
	R1-21	--	1	---	STREET SIGN "E MEINECKE STREET"	MOUNTED ON CONCRETE LIGHT POLE
	R1-22	--	1	--	NO PARKING LEFT	MOUNTED ON CONCRETE LIGHT POLE
	R1-23	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R1-24	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON WOODEN UTILITY POLE
	R1-25	--	1	--	STOP	MOUNTED ON WOODEN UTILITY POLE
	R1-26	--	1	---	CROSS TRAFFIC DOES NOT STOP	MOUNTED ON WOODEN UTILITY POLE
	R1-27	--	1	--	STOP	MOUNTED ON WOODEN UTILITY POLE
	R1-28	--	1	1	CROSS TRAFFIC DOES NOT STOP	
	R1-29	--	1	--	STOP	MOUNTED ON SAME POST AS R1-28
	R1-30	--	1	--	STOP	MOUNTED ON SAME POST AS R1-28
	R1-31	--	1	1	NO TRUCKS 3 TONES OR OVER	
	R1-32	--	1	--	STREET SIGN "E MEINECKE STREET"	MOUNTED ON CONCRETE LIGHT POLE
	R1-33	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R1-34	--	1	--	OBJECT MARKER	MOUNTED ON CONCRETE LIGHT POLE
	R1-35	--	1	1	NO PARKING LEFT	
	R1-36	---	1	---	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R1-37	---	1	---	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R2-01	--	1	1	TO KERN PARK	
	R2-02	--	1	--	NO PARKING LEFT	MOUNTED ON SAME POST AS R2-01
	R2-03	--	1	1	BIKE BOULEVARD	
	R2-04	--	1	1	SPEED LIMIT 30 MPH	
	R2-05	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R2-06	--	1	--	STREET SIGN "E WRIGHT STREET"	MOUNTED ON SIGNAL POLE
	R2-07	--	---	--	BUS STOP	TO BE REMOVED BY OTHERS
	R2-08	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R2-09	--	1	--	PUSH BUTTON FOR WALK SIGNAL	MOUNTED ON SIGNAL POLE
	R2-10	--	1	--	NO TRUCKS 3 TONS OR OVER	MOUNTED ON CONCRETE LIGHT POLE
	R2-11	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R2-12	--	1	--	PUSH BUTTON FOR WALK SIGNAL	MOUNTED ON SIGNAL POLE

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MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	DESCRIPTION	REMARKS
0010	R2-13	--	1	--	PUSH BUTTON FOR WALK SIGNAL	MOUNTED ON SIGNAL POLE
	R2-14	--	1	--	STREET SIGN "E WRIGHT STREET"	MOUNTED ON SIGNAL POLE
	R2-15	--	---	--	BUS STOP	TO BE REMOVED BY OTHERS
	R2-16	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R2-17	--	1	1	TO DOWNTOWN	
	R2-18	--	1	--	NO PARKING LEFT	MOUNTED ON SAME POST AS R2-17
	R2-19	--	1	1	BIKE BOULEVARD	
	R2-20	--	1	1	BIKE BOULEVARD	
	R2-21	--	1	1	SPEED LIMIT 30 MPH	
	R2-22	--	1	1	BIKE ROUTE	
	M2-01	1	--	--	RIVERWEST	MOUNTED ON CONCRETE LIGHT POLE
	R2-23	--	1	1	BIKE ROUTE	
	R2-24	--	1		SNOW ROUTE TOW AWAY ZONE	MOUNTED ON SAME POST AS R2-23
	R2-25	--	1	1	NO PARKING LEFT	
	M2-02	1	--	--	OUR LADY OF DIVINE PROVIDENCE PARISH	MOUNTED ON CONCRETE LIGHT POLE
	R2-26	--	1	---	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R2-27	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R2-28	--	1	1	STOP	
	R2-29	--	1	1	STOP	
	R2-30	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R2-31	--	1	1	SCHOOL CROSSING	
	R2-32	--	1		LEFT ARROW	MOUNTED ON SAME POST AS R2-31
	R2-33	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON CONCRETE LIGHT POLE
	R2-34	--	1	--	STREET SIGN "E CLARKE STREET"	MOUNTED ON CONCRETE LIGHT POLE
	R2-35	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	M2-03	1	---	--	OUR LADY OF DIVINE PROVIDENCE PARISH	MOUNTED ON CONCRETE LIGHT POLE
	R2-36	---	1	1	NO PARKING RIGHT	
	R2-37	---	1	1	NO PARKING LEFT	
	R2-38	--	1	1	NO PARKING RIGHT	
	R3-01	--	1	1	SCHOOL ZONE SPEED LIMIT 20 MPH	
	R3-02	--	1	1	NO PARKING RIGHT	
	M3-01	1	--	--	RIVERWEST	MOUNTED ON CONCRETE LIGHT POLE
	R3-03	--	1	1	NO PARKING LEFT	
	R3-04	--	1	1	SCHOOL CROSSING	
	R3-05	--	1	--	AHEAD	MOUNTED ON SAME SIGN AS R3-04
	R3-06	--	1	---	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R3-07	--	1	--	OBJECT MARKER	MOUNTED ON CONCRETE LIGHT POLE
	R3-08	--	1	--	STREET SIGN "E CENTER STREET"	MOUNTED ON SIGNAL POLE
	R3-09	--	1	--	NO TRUCKS 3 TONS OR OVER	MOUNTED ON SIGNAL POLE
	R3-10	--	---	--	BUS STOP	TO BE REMOVED BY OTHERS
	R3-11	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R3-12	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R3-13	--	1	--	END OF ROAD MARKER	MOUNTED ON SIGNAL POLE
	R3-14	--	1	1	NO PARKING RIGHT	
	R3-15	--	1	---	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R3-16	--	1	1	KEEP RIGHT	
	R3-17	--	1	--	KEEP RIGHT	MOUNTED ON SAME POST AS R3-16
	R3-18	--	1	--	OBJECT MARKER	MOUNTED ON SAME POST AS R3-16
	R3-19	--	1	---	OBJECT MARKER	MOUNTED ON SAME POST AS R3-16
	R3-20	--	---	--	BUS STOP	TO BE REMOVED BY OTHERS

CONT'D ON NEXT SHEET

MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	DESCRIPTION	REMARKS
0010	R3-21	--	1	--	RIGHT LANE MUST TURN RIGHT EXCEPT BUSES	MOUNTED ON SIGNAL POLE
	R3-22	--	1	--	NO PEDESTRIAN CROSSING	MOUNTED ON SIGNAL POLE
	R3-23	--	1	--	NO PEDESTRIAN CROSSING	MOUNTED ON SIGNAL POLE
	R3-24	--	1	1	NO PARKING RIGHT	
	R3-25	--	1	1	NO PARKING LEFT	
	R3-26	--	1	--	RIGHT LANE MUST TURN RIGHT AHEAD	MOUNTED ON CONCRETE LIGHT POLE
	R3-27	--	1	--	SPEED LIMIT 30 MPH	MOUNTED ON CONCRETE LIGHT POLE
	R3-28	--	1	1	NO PARKING RIGHT	
	R3-29	--	1	--	STREET SIGN "E HADLEY STREET"	MOUNTED ON CONCRETE LIGHT POLE
	R3-30	--	1	1	STOP	
	R3-31	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON CONCRETE LIGHT POLE
	R3-32	--	1	1	PEDESTRIAN CROSSING	
	R3-33	--	1	---	LEFT ARROW	MOUNTED ON SAME POST AS R3-32
	R3-34	---	1	1	STREET SIGN "E HADLEY STREET"	
	R3-35	---	1	---	PEDESTRIAN CROSSING	MOUNTED ON SAME POST AS R3-34
	R3-36	---	1	---	LEFT ARROW	MOUNTED ON SAME POST AS R3-34
	R3-37	---	1	1	PEDESTRIAN CROSSING	
	R3-38	---	1	---	PEDESTRIAN CROSSING	MOUNTED ON SAME POST AS R3-37
	R3-39	---	1	---	OBJECT MARKER	MOUNTED ON SAME POST AS R3-37
	R3-40	---	1	---	OBJECT MARKER	MOUNTED ON SAME POST AS R3-37
	R3-41	--	1	1	STOP	
	M3-02	1	--	--	RIVERWEST	MOUNTED ON CONCRETE LIGHT POLE
	R3-42	--	1	--	NO PARKING RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R4-01	--	1	--	BIKE ROUTE	MOUNTED ON CONCRETE LIGHT POLE
	R4-02	--	1	--	UP/RIGHT ARROW	MOUNTED ON CONCRETE LIGHT POLE
	R4-03	--	1	1	BEGIN RIGHT TURN LANE, YIELD TO BIKES	
	R4-04	--	1	--	NO PARKING LEFT	MOUNTED ON SAME POST AS R4-03
	R4-05	--	1	--	BIKE ROUTE	MOUNTED ON CONCRETE LIGHT POLE
	R4-06	--	1	--	LEFT ONLY, STRAIGHT ONLY, RIGHT ONLY	MOUNTED ON CONCRETE LIGHT POLE
	R4-07	--	1	--	SNOW ROUTE TOW AWAY ZONE	MOUNTED ON CONCRETE LIGHT POLE
	R4-08	--	1	--	SPEED LIMIT 30 MPH	MOUNTED ON WOODEN UTILITY POLE
	R4-09	--	1	--	NO PARKING RIGHT	MOUNTED ON WOODEN UTILITY POLE
	R4-10	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R4-11	--	1	---	RIGHT LANE MUST TURN RIGHT EXCEPT BUSES	MOUNTED ON CONCRETE LIGHT POLE
	R4-12	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R4-13	--	1	--	TO GORDON PARK	MOUNTED ON SIGNAL POLE
	R4-14	--	---	--	BUS STOP	TO BE REMOVED BY OTHERS
	R4-15	--	1	1	KEEP RIGHT	
	R4-16	--	1	--	OBJECT MARKER	MOUNTED ON SAME POST AS R4-15
	R4-17	--	1	--	RIGHT LANE MUST TURN RIGHT EXCEPT BUSES	MOUNTED ON SIGNAL POLE
	R4-18	--	1	--	STREET SIGN "E LOCUST STREET"	MOUNTED ON SIGNAL POLE
	R4-19	--	1	--	NO TRUCKS OVER 3 TONS	MOUNTED ON SIGNAL POLE
	R4-20	--	1	1	TO KERN PARK	
	R4-21	--	1	--	PARKING TIME RESTRICTION & NO PARKING RIGHT	MOUNTED ON SAME POST AS R4-20
	M4-01	1	--	--	RIVERWEST	MOUNTED ON CONCRETE LIGHT POLE
	R4-22	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R4-23	--	1	1	NO PARKING BOTH DIRECTIONS	
	R4-24	--	1	1	SPEED LIMIT 30 MPH	
	R4-25	--	1	--	PARKING TIME RESTRICTION	MOUNTED ON SAME POST AS R4-24
	R4-26	---	1	1	TO GORDON PARK	

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MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	DESCRIPTION	REMARKS
0010	R4-27	--	1	1	NO PARKING LEFT	
	R4-28	--	1	--	BIKE ROUTE	MOUNTED ON CONCRETE LIGHT POLE
	R4-29	--	1	--	LEFT/UP ARROW	MOUNTED ON CONCRETE LIGHT POLE
	R4-30	--	1	1	NO PARKING LEFT & PARKING TIME RESTRICTION	
	R4-31	---	1	1	NO PARKING BOTH DIRECTIONS	
	R4-32	--	1	--	STREET SIGN "E CHAMBERS STREET"	MOUNTED ON CONCRETE LIGHT POLE
	R4-33	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON CONCRETE LIGHT POLE
	R4-34	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R4-35	--	---	---	BUS STOP	TO BE REMOVED BY OTHER
	R4-36	--	1	1	PEDESTRIAN CROSSING	
	R4-37	--	1	--	LEFT ARROW	MOUNTED ON SAME POST AS R4-36
	R4-38	--	1	1	STOP	
	R4-39	---	---	---	BUS STOP	TO BE REMOVED BY OTHER
	R5-01	--	---	---	BUS STOP	TO BE REMOVED BY OTHER
	R5-02	--	1	1	PEDESTRIAN CROSSING	
	R5-03	--	1	--	LEFT ARROW	MOUNTED ON SAME POST AS R5-02
	M5-01	1	--	--	RIVERWEST	MOUNTED ON CONCRETE LIGHT POLE
	R5-04	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R5-05	--	1	1	STREET SIGN "E CHAMBERS STREET"	
	R5-06	--	1	--	SNOW ROUTE TOW AWAY ZONE	MOUNTED ON SAME POST AS R5-05
	R5-07	--	1	1	NO PARKING LEFT	MOUNTED ON SAME POST AS R5-05
	R5-08	--	1	--	SCHOOL CROSSING	MOUNTED ON CONCRETE LIGHT POLE
	R5-09	--	1	1	SPEED LIMIT 30 MPH	
	R5-10	--	1	1	SCHOOL CROSSING	
	R5-11	--	1	--	NO PARKING LEFT	MOUNTED ON SAME POST AS R5-10
	R5-12	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON CONCRETE LIGHT POLE
	R5-13	--	1	--	STREET SIGN "E CHAMBERS STREET"	MOUNTED ON CONCRETE LIGHT POLE
	R5-14	--	1	--	DEAD END RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R5-15	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R5-16	--	1	1	NO PARKING RIGHT	
	R5-17	--	1	--	DEAD END	MOUNTED ON ALUMINUM LIGHT POLE
	R5-18	--	1	1	NO PARKING BOTH DIRECTIONS, DEC1-MAR1	
	R5-19	--	1	1	STREET SIGN "E CHAMBERS STREET"	
	R5-20	--	1	--	DEAD END	MOUNTED ON SAME POST AS R5-19
	R5-21	--	1	--	STOP	MOUNTED ON SAME POST AS R5-19
	R5-22	--	1	1	SCHOOL ZONE SPEED LIMIT 20 MPH	
	R5-23	--	1	1	NO PARKING LEFT	
	R5-24	--	1	--	SCHOOL ZONE SPEED LIMIT 20 MPH	MOUNTED ON CONCRETE LIGHT POLE
	R5-25	--	1	1	TO KERN PARK	
	R5-26	--	1	--	NO PARKING LEFT	MOUNTED ON SAME POST AS R5-25
	R5-27	---	1	---	TO GORDON PARK	MOUNTED ON CONCRETE LIGHT POLE
	R5-28	--	---	---	BUS STOP	TO BE REMOVED BY OTHER
	R5-29	--	1	--	PUSH BUTTON FOR WALK SIGNAL	MOUNTED ON SIGNAL POLE
	R5-30	--	1	--	DEAD END RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R5-31	--	1	--	BIKE ROUTE	MOUNTED ON CONCRETE LIGHT POLE
	R5-32	--	1	--	UP/RIGHT ARROW	MOUNTED ON CONCRETE LIGHT POLE
	R5-33	--	---	--	BUS STOP	TO BE REMOVED BY OTHER
	R5-34	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R5-35	--	1	--	PUSH BUTTON FOR WALK SIGNAL	MOUNTED ON SIGNAL POLE
	R5-36	--	1	--	NO EASTERLY OUTLET	MOUNTED ON SIGNAL POLE

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MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	DESCRIPTION	REMARKS
0010	R5-37	--	1	--	PUSH BUTTON FOR WALK SIGNAL	MOUNTED ON SIGNAL POLE
	R5-38	--	1	--	TO BEERLINE TRAIL	MOUNTED ON CONCRETE LIGHT POLE
	R5-39	--	1	--	STREET SIGN "E BURLEIGH STREET"	MOUNTED ON SIGNAL POLE
	R5-40	--	1	--	NO TRUCKS OVER 3 TONS	MOUNTED ON SIGNAL POLE
	R5-41	--	---	--	BUS STOP	TO BE REMOVED BY OTHERS
	R5-42	--	1	--	DEAD END RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R5-43	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	M5-02	1	--	--	OUR LADY OF DIVINE PROVIDENCE PARISH	MOUNTED ON CONCRETE LIGHT POLE
	R5-44	--	1	1	NO PARKING LEFT	
	R5-45	--	1	--	SCHOOL ZONE SPEED LIMIT 20 MPH	MOUNTED ON CONCRETE LIGHT POLE
	R5-46	--	1	1	SCHOOL ZONE SPEED LIMIT 20 MPH	
	R5-47	--	1	1	SNOW ROUTE TOW AWAY ZONE	
	R5-48	--	1	--	SCHOOL CROSSING	MOUNTED ON CONCRETE LIGHT POLE
	R5-49	--	1	1	SCHOOL CROSSING	
	R5-50	--	1	1	NO PARKING LEFT	
	M6-01	1	--	--	FRIENDS MEETING (QUAKERS)	MOUNTED ON CONCRETE LIGHT POLE
	R6-01	--	1	--	STREET SIGN "E AUER AVENUE"	MOUNTED ON CONCRETE LIGHT POLE
	R6-02	--	1	--	NO OUTLET RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R6-03	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R6-04	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R6-05	--	1	--	NO EASTERLY OUTLET	MOUNTED ON WOODEN UTILITY POLE
	R6-06	--	1	1	STOP	
	R6-07	--	1	1	STOP	
	R6-08	--	1	1	SPEED LIMIT 30 MPH	
	R6-09	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R6-10	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON CONCRETE LIGHT POLE
	R6-11	--	1	--	STREET SIGN "E AUER AVENUE"	MOUNTED ON CONCRETE LIGHT POLE
	R6-12	--	1	--	NO OUTLET RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	M6-02	1	--	--	FRIENDS MEETING (QUAKERS)	MOUNTED ON CONCRETE LIGHT POLE
	R6-13	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R6-14	--	1	1	NO PARKING LEFT	
	R6-15	--	1	1	SPEED LIMIT 30 MPH	
	M6-03	1	--	--	RIVERWEST	MOUNTED ON CONCRETE LIGHT POLE
	R6-16	--	1	1	NO PARKING LEFT	
	R6-17	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R6-18	--	1	1	STREET SIGN "E CONCORDIA AVENUE"	
	R6-19	--	1	--	SCHOOL CROSSING	MOUNTED ON SAME POST AS R6-18
	R6-20	--	1	--	LEFT ARROW	MOUNTED ON SAME POST AS R6-18
	R6-21	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R6-22	--	1	--	STREET SIGN "E CONCORDIA AVENUE"	MOUNTED ON CONCRETE LIGHT POLE
	R6-23	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON CONCRETE LIGHT POLE
	R6-24	--	1	--	STOP	MOUNTED ON CONCRETE LIGHT POLE
	R6-25	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R6-26	--	1	1	SCHOOL CROSSING	
	R6-27	--	1	--	LEFT ARROW	MOUNTED ON SAME POST AS R6-26
	R6-28	--	1	--	STREET SIGN "E CONCORDIA AVENUE"	MOUNTED ON CONCRETE LIGHT POLE
	R6-29	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R6-30	--	1	1	NO PARKING LEFT	
	R6-31	--	1	1	NO PARKING RIGHT	
	R6-32	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON CONCRETE LIGHT POLE

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MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	DESCRIPTION	REMARKS
0010	R6-33	--	1	--	STREET SIGN "E CONCORDIA AVENUE"	MOUNTED ON CONCRETE LIGHT POLE
	R6-34	--	1	--	NO OUTLET RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R6-35	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R6-36	--	1	1	NO PARKING BOTH DIRECTIONS	
	R6-37	--	1	1	STOP	
	R6-38	--	1	1	NO PARKING LEFT	
	R6-39	--	1	--	STREET SIGN "E CONCORDIA AVENUE"	MOUNTED ON CONCRETE LIGHT POLE
	R6-40	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R6-41	--	1	1	NO PARKING RIGHT	
	R6-42	--	1	1	SCHOOL CROSSING	
	R6-43	--	1	1	SPEED LIMIT 30 MPH	
	R6-44	--	1	--	NO PARKING LEFT	MOUNTED ON SAME POST AS R6-43
	R7-01	--	1	--	STREET SIGN "E TOWNSEND AVENUE"	MOUNTED ON CONCRETE LIGHT POLE
	R7-02	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON CONCRETE LIGHT POLE
	R7-03	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R7-04	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R7-05	--	1	1	STOP	
	R7-06	--	1	1	STREET SIGN "E TOWNSEND AVENUE"	
	R7-07	--	1	--	NO PARKING BOTH DIRECTIONS	MOUNTED ON SAME POST AS R7-06
	R7-08	--	1	--	END OF ROAD MARKER	MOUNTED ON SAME POST AS R7-06
	R7-09	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R7-10	--	1	--	KEEP RIGHT	MOUNTED ON CONCRETE LIGHT POLE
	R7-11	--	1	1	NO PARKING RIGHT	
	R7-12	--	1	1	NO PARKING LEFT	
	R7-13	--	1	1	SPEED LIMIT 30 MPH	
	R7-14	--	1	1	NO PARKING LEFT	
	R7-15	--	1	--	STREET SIGN "E KEEFE AVENUE"	MOUNTED ON SIGNAL POLE
	R7-16	--	1	--	KEEP RIGHT	MOUNTED ON SIGNAL POLE
	R7-17	--	---	--	BUS STOP	TO BE REMOVED BY OTHERS
	R7-18	--	1	--	PUSH BUTTON FOR WALK SIGNAL	MOUNTED ON SIGNAL POLE
	R7-19	--	1	--	STREET SIGN "N HUMBOLDT BOULEVARD"	MOUNTED ON SIGNAL POLE
	R7-20	--	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R7-21	--	1	--	PUSH BUTTON FOR WALK SIGNAL	MOUNTED ON SIGNAL POLE
	R7-22	--	1	--	STREET SIGN "E KEEFE AVENUE"	MOUNTED ON SIGNAL POLE
	R8-01	---	1	---	NO PARKING BOTH DIRECTIONS	MOUNTED ON WOODEN UTILITY POLE
	R8-02	---	1	---	NO PARKING BOTH DIRECTIONS	MOUNTED ON CONCRETE LIGHT POLE
	R8-03	---	1	---	TO RIVERWEST	MOUNTED ON CONCRETE LIGHT POLE
	R8-04	---	1	1	DO NOT BLOCK ALLEY	
	R8-05	---	1	---	DEAD END	MOUNTED ON WOODEN UTILITY POLE
	R8-06	---	1	---	SPEED LIMIT 30 MPH	MOUNTED ON CONCRETE LIGHT POLE
	R8-07	---	---	---	BUS STOP	TO BE REMOVED BY OTHERS
	R8-08	---	1	---	NO PARKING LEFT	MOUNTED ON CONCRETE LIGHT POLE
TOTALS		12	250	89		

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
1-1	D3-1	E NORTH AV	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
1-2	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
1-3	R7-1SM		12	X	18	-	-	-	-	1.5	1	ATTACH TO LIGHT POLE
1-4	R4-4		36	X	30	-	-	1	-	7.5	1	
1-5	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH SIGN 1-4
1-6	R4-7		24	X	30	-	1	-	-	5.0	1	
1-7	H1-3RM		12	X	36	1	-	-	-	3.0	1	
1-8	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
1-9	D3-1	E WALWORTH ST	36	X	10	-	-	-	-	2.5	1	ON POLE WITH SIGN 1-8
1-10	D11-1		24	X	18	-	1	-	-	3.0	1	
1-11	D3-1	E WALWORTH ST	36	X	10	-	-	1	-	2.5	1	
1-12	R1-1		30	X	30	-	-	-	-	6.3	1	ON POST WITH SIGN 1-11
1-13	H1-3RM		12	X	36	1	-	-	-	3.0	1	
1-14	R7-7M		12	X	18	-	-	-	-	1.5	1	ATTACH TO LIGHT POLE
1-15	R4-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
1-16	D3-1	E NORTH AV	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
1-17	R5-23T	3 TONS OR OVER	24	X	36	-	-	-	-	6.0	1	ON POLE WITH SIGN 1-16
1-18	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
2-1	R7-7M		12	X	18	-	1	-	-	1.5	1	
2-2	D3-1	E MEINECKE AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
2-3	R7-7M		12	X	18	-	1	-	-	1.5	1	
2-4	R1-1		30	X	30	-	-	1	-	6.3	1	
2-5	R1-1		30	X	30	-	-	-	-	6.3	1	ON POST WITH SIGN 2-4
2-6	W4-4P		24	X	12	-	-	-	-	2.0	1	ON POST WITH SIGN 2-4
2-7	R7-7		12	X	18	-	-	-	-	1.5	1	ATTACH TO LIGHT POLE
2-8	H1-3RM		12	X	36	1	-	-	-	3.0	1	
2-9	R4-7		24	X	30	-	1	-	-	5.0	1	
2-10	R2-1	SPEED LIMIT 30	24	X	30	-	1	-	-	5.0	1	
2-11	D3-1	E MEINECKE AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
2-12	R5-23T	3 TONS OR OVER	24	X	36	-	1	-	-	6.0	1	
2-13	R1-1		30	X	30	-	-	-	-	6.3	1	ATTACH TO LIGHT POLE
2-14	R1-1		30	X	30	-	-	-	-	6.3	1	ON POLE WITH SIGN 2-13
2-15	W4-4P		24	X	12	-	-	-	-	2.0	1	ON POLE WITH SIGN 2-13
2-16	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO WOOD POLE
2-17	H1-3RM		12	X	36	1	-	-	-	3.0	1	
2-18	R7-7		12	X	18	-	1	-	-	1.5	1	
2-19	R4-7		24	X	30	-	1	-	-	5.0	1	
2-20	R7-7		12	X	18	-	1	-	-	2.5	1	
3-1	R2-1	SPEED LIMIT 30	24	X	30	-	1	-	-	5.0	1	
3-2	D3-1	E WRIGHT ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
3-3	D3-1	N HUMBOLDT AV	36	X	10	-	-	1	-	2.5	1	ATTACH TO SIGNAL POLE
3-4	R5-23T	3 TONS OR OVER	24	X	36	-	-	-	-	6.0	1	ON POLE WITH SIGN 3-3
3-5	R4-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
3-6	R7-7M		12	X	18	-	1	-	-	1.5	1	
3-7	D3-1	E WRIGHT ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
3-8	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO SIGNAL POLE
3-9	R4-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
3-10	R7-7M		12	X	18	-	1	-	-	1.5	1	

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
4-1	D11-1		24	X	18	-	1	-	-	3.0	1	
4-2	D3-1	E CLARKE ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
4-3	R4-7		24	X	30	-	-	-	-	5.0	1	ON POLE WITH SIGN 4-2
4-4	R1-1		30	X	30	-	1	-	-	6.3	1	
4-5	H1-3RM		12	X	36	1	-	-	-	3.0	1	
4-6	R7-7M		12	X	18	-	1	-	-	1.5	1	
4-7	R7-7M		12	X	18	-	1	-	-	1.5	1	
4-8	D3-1	E CLARKE ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
4-9	R4-7		24	X	30	-	-	-	-	5.0	1	ON POLE WITH SIGN 4-8
4-10	R1-1		30	X	30	-	1	-	-	6.3	1	
4-11	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
4-12	H1-3RM		12	X	36	1	-	-	-	3.0	1	
4-13	R7-7M		12	X	18	-	1	-	-	1.5	1	
4-14	R7-7M		12	X	18	-	1	-	-	1.5	1	
4-15	D11-1		24	X	18	-	1	-	-	3.0	1	
5-1	R2-1	SPEED LIMIT 30	24	X	30	-	1	-	-	5.0	1	
5-2	D3-1	E CENTER ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
5-3	R5-23T	3 TONS OR OVER	24	X	36	-	-	-	-	6.0	1	ON POLE WITH SIGN 5-2
5-4	S1-1		30	X	30	-	-	-	-	6.3	1	ATTACH TO LIGHT POLE
5-5	R5-3AMF		24	X	12	-	-	-	-	2.0	1	ON POLE WITH SIGN 5-4
5-6	R3-7RB	EXCEPT BUSES	30	X	30	-	-	-	-	6.3	1	ATTACH TO LIGHT POLE
5-7	R7-1SM		12	X	18	-	1	-	-	1.5	1	
5-8	R4-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
5-9	H1-3LM		12	X	36	-	-	-	-	3.0	1	ON POST WITH SIGN 5-8
5-10	R7-1SM		12	X	18	-	1	-	-	1.5	1	
5-11	D3-1	E CENTER ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
5-12	R4-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
5-13	W14-1		30	X	30	-	-	-	-	6.3	1	ATTACH TO SIGNAL POLE
5-14	W14-1		30	X	30	-	-	-	-	6.3	1	ATTACH TO SIGNAL POLE
5-15	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
5-16	H1-3RM		12	X	36	1	-	-	-	3.0	1	
5-17	R24-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
5-18	R7-1SM		12	X	18	-	1	-	-	1.5	1	
5-19	R7-7M		12	X	18	-	1	-	-	1.5	1	

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
6-1	R4-4		36	X	30	-	-	1	-	7.5	1	
6-2	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH SIGN 6-1
6-3	D3-1	E HADLEY ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
6-4	W11-2		30	X	30	-	-	-	-	6.3	1	ON POLE WITH SIGN 6-3
6-5	W16-7	DIAGONAL DOWN RIGHT ARROW	24	X	12	-	-	-	-	2.0	1	ON POLE WITH SIGN 6-3
6-6	W11-2		30	X	30	-	-	-	-	6.3	1	ON POLE WITH SIGN 6-3
6-7	W16-7	DIAGONAL DOWN RIGHT ARROW	24	X	12	-	-	-	-	2.0	1	ON POLE WITH SIGN 6-3
6-8	R1-1		30	X	30	-	1	-	-	6.3	1	
6-9	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
6-10	W11-2	DIAGONAL DOWN LEFT ARROW	30	X	30	-	-	1	-	6.3	1	
6-11	W16-7		24	X	12	-	-	-	-	2.0	1	ON POST WITH SIGN 6-10
6-12	H1-3RM		12	X	36	-	-	-	-	3.0	1	
6-13	R4-7		24	X	30	-	1	-	-	5.0	1	
6-14	D3-1	E HADLEY ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
6-15	W11-2	DIAGONAL DOWN LEFT ARROW	30	X	30	-	-	1	-	6.3	1	
6-16	W16-7		24	X	12	-	-	-	-	2.0	1	ON POST WITH SIGN 6-15
6-17	H1-3RM		12	X	36	-	-	-	-	3.0	1	ON POST WITH SIGN 6-15
6-18	H1-3LM		12	X	36	-	1	-	-	3.0	1	
6-19	R4-7		24	X	30	-	1	-	-	5.0	1	
6-20	H1-3LM		12	X	36	-	-	-	-	3.0	1	ON POST WITH SIGN 6-19
6-21	R2-1	SPEED LIMIT 30	24	X	18	-	-	-	-	3.0	1	ATTACH TO LIGHT POLE
7-1	R2-1	SPEED LIMIT 30	24	X	30	-	-	-	-	5.0	1	ATTACH TO WOOD POLE
7-2	R7-7M		12	X	18	-	-	-	-	3.0	1	ON POLE WITH SIGN 7-1
7-3	H1-3LM		12	X	36	1	-	-	-	3.0	1	6" SOCKET IN CONCRETE
7-4	D3-1	E LOCUST ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
7-5	R3-7RB	EXCEPT BUSES	30	X	30	-	-	-	-	6.3	1	ATTACH TO LIGHT POLE
7-6	R4-7		24	X	30	-	1	-	-	5.0	1	
7-7	D3-1	E LOCUST ST	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
7-8	R5-23T	3 TONS OR OVER	24	X	36	-	-	-	-	6.0	1	ON POLE WITH SIGN 7-7
7-9	R3-7RB	EXCEPT BUSES	30	X	30	-	-	-	-	6.3	1	ATTACH TO LIGHT POLE
7-10	R4-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
7-11	H1-3LM		12	X	36	-	-	-	-	3.0	1	ON POST WITH SIGN 7-10
7-12	R7-1SM		12	X	18	-	1	-	-	1.5	1	
7-13	R4-4		36	X	30	-	-	1	-	7.5	1	
7-14	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH SIGN 7-13
7-15	D11-1		24	X	18	-	-	-	-	3.0	1	ATTACH TO WOOD POLE
7-16	M7-6	AHEAD ARROW - RIGHT ARROW	21	X	15	-	-	-	-	2.2	1	ON POLE WITH SIGN 7-15

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
8-1	R7-1SM		12	X	18	-	1	-	-	1.5	1	
8-2	R4-4		36	X	30	-	-	1	-	7.5	1	
8-3	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH SIGN 8-2
8-4	D11-1		24	X	18	-	-	-	-	3.0	1	ATTACH TO LIGHT POLE
8-5	M6-6	LEFT ARROW - AHEAD ARROW	21	X	15	-	-	-	-	2.2	1	ON POLE WITH SIGN 8-4
8-6	D3-1	E CHAMBERS ST	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
8-7	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ON POLE WITH SIGN 8-6
8-8	W11-2		30	X	30	-	-	-	-	6.3	1	ON POLE WITH SIGN 8-6
8-9	W16-7	DIAGONAL DOWN RIGHT ARROW	24	X	12	-	-	-	-	2.0	1	ON POLE WITH SIGN 8-6
8-10	R4-7		24	X	30	-	-	-	-	5.0	1	ON POLE WITH SIGN 8-6
8-11	R1-1		30	X	30	-	1	-	-	6.3	1	
8-12	W11-2		30	X	30	-	-	-	1	6.3	1	
8-13	W16-7	DIAGONAL DOWN LEFT ARROW	24	X	12	-	-	-	-	2.0	1	ON POST WITH SIGN 8-12
8-14	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH SIGN 8-12
8-15	R7-1DM	NO PARK← 2 HR PARK 7AM-7PM EX SUN →	24	X	18	-	1	-	-	3.0	1	
8-16	R2-1	SPEED LIMIT 30	24	X	30	-	-	1	-	5.0	1	
8-17	R7-1SM	2 HR PARK 7AM-7PM EX SUN ←→	12	X	18	-	-	-	-	1.5	1	ON POST WITH SIGN 8-16
8-18	R7-1DM	2 HR PARK 7AM-7PM EX SUN← NO PARK →	24	X	18	-	1	-	-	3.0	1	

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
9-1	W11-2		30	X	30	-	-	1	-	6.3	1	
9-2	W16-7	DIAGONAL DOWN LEFT ARROW	24	X	12	-	-	-	-	2.0	1	ON POST WITH 9-1
9-3	R4-7		24	X	30	-	1	-	-	6.3	1	
9-4	R7-7M		12	X	18	-	1	-	-	1.5	1	
9-5	D3-1	E CHAMBERS ST	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
9-6	W14-1A	DEAD END (WITH ARROWS POINTING EAST)	36	X	10	-	-	-	-	2.5	1	ON POLE WITH 9-5 - (DOUBLE SIDED)
9-7	R4-7		24	X	30	-	-	-	-	5.0	1	ON POLE WITH 9-5
9-8	H1-3RM		12	X	36	1	-	-	-	3.0	1	
9-9	D3-1	E CHAMBERS ST	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
9-10	W14-1A	DEAD END (WITH ARROWS POINTING EAST)	36	X	10	-	-	-	-	2.5	1	ON POLE WITH 9-9 - (DOUBLE SIDED)
9-11	S1-1		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 9-9
9-12	R5-3AMF		24	X	12	-	-	-	-	2.0	1	ON POLE WITH 9-9
9-13	R2-1	SPEED LIMIT 30	24	X	30	-	-	1	-	5.0	1	
9-14	S5-2		24	X	30	-	-	-	-	5.0	1	ON POST WITH 9-13
9-15	S4-2M	SCHOOL SPEED LIMIT 20	24	X	48	-	-	-	-	8.0	1	ATTACH TO LIGHT POLE
9-16	R2-6P		24	X	18	-	-	-	-	3.0	1	ON POLE WITH 9-15
9-17	R4-7		24	X	30	-	1	-	-	5.0	1	
9-18	R7-1SM		12	X	18	-	1	-	-	1.5	1	
9-19	S4-2M	SCHOOL SPEED LIMIT 20	24	X	48	-	-	-	1	8.0	1	
9-20	R2-6P		24	X	18	-	-	-	-	3.0	1	ON POST WITH 9-19
9-21	R4-4		36	X	30	-	-	1	-	7.5	1	
9-22	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH 9-21
9-23	S1-1		30	X	30	-	-	1	-	6.3	1	
9-24	R5-3AMF		12	X	24	-	-	-	-	2.0	1	ON POST WITH 9-23
9-25	R1-1		30	X	30	-	1	-	-	6.3	1	
9-26	W14-1		30	X	30	-	-	-	-	6.3	1	ON POST WITH 9-25
9-27	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
9-28	W14-1		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 9-27
9-29	H1-3RM		12	X	36	1	-	-	-	3.0	1	
9-30	D3-1	E CHAMBERS ST	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
9-31	W11-2		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 9-30
9-32	W16-7	DIAGONAL DOWN RIGHT ARROW	24	X	12	-	-	-	-	2.0	1	ON POLE WITH 9-30
9-33	R7-1SM		12	X	18	-	1	-	-	1.5	1	

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
10-1	D3-1	E BURLEIGH ST	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
10-2	W14-2A	NO OUTLET (WITH ARROWS POINTING EAST)	36	X	10	-	-	-	-	2.5	1	ON POLE WITH 10-5 - (DOUBLE SIDED)
10-3	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO SIGNAL POLE
10-4	D11-1		24	X	18	-	-	-	-	3.0	1	ATTACH TO LIGHT POLE
10-5	M6-6	AHEAD ARROW - RIGHT ARROW	21	X	15	-	-	-	-	2.2	1	ON POLE WITH 10-4
10-6	R4-7		24	X	30	-	1	-	-	5.0	1	
10-7	R7-1SM		12	X	18	-	1	-	-	1.5	1	
10-8	R4-4		36	X	30	-	-	1	-	7.5	1	
10-9	R7-1SM		12	X	18	-	-	-	-	1.5	1	
10-10	S4-2M	SCHOOL SPEED LIMIT 20	24	X	48	-	-	-	1	8.0	1	
10-11	R2-6		24	X	18	-	-	-	-	3.0	1	ON POST WITH 10-10
10-12	S1-1		30	X	30	-	-	1	-	6.3	1	
10-13	R5-3AMF		24	X	12	-	-	-	-	2.0	1	ON POST WITH 10-12
10-14	S1-1		30	X	30	-	-	-	-	6.3	1	ATTACH TO LIGHT POLE
10-15	R5-3AMF		24	X	12	-	-	-	-	2.0	1	ON POLE WITH 10-14
10-16	R7-1SM		24	X	30	-	1	-	-	5.0	1	
10-17	S4-2M	SCHOOL SPEED LIMIT 20	12	X	18	-	-	-	-	1.5	1	ATTACH TO LIGHT POLE
10-18	R2-6P		24	X	30	-	-	-	-	5.0	1	ON POLE WITH 10-17
10-19	R2-1	SPEED LIMIT 30	24	X	30	-	-	1	-	5.0	1	
10-20	S5-2		12	X	18	-	-	-	-	1.5	1	ON POST WITH 10-19
10-21	D3-1	E BURLEIGH ST	12	X	18	-	-	-	-	1.5	1	ATTACH TO LIGHT POLE
10-22	W14-2P	NO OUTLET (WITH ARROWS POINTING EAST)	9	X	12	-	-	-	-	0.8	1	ON POLE WITH 10-21 - (DOUBLE SIDED)
10-23	R5-23T	3 TONS OR OVER	24	X	24	-	-	-	-	4.0	1	ON POLE WITH 10-21
10-24	D3-1	N HUMBOLDT AV	24	X	12	-	-	-	-	2.0	1	ATTACH TO SIGNAL POLE
10-25	W14-2		9	X	12	-	-	-	-	0.8	1	ON POLE WITH 10-24
10-26	D11-1		24	X	30	-	-	-	-	5.0	1	ATTACH TO LIGHT POLE
10-27	M6-6	LEFT ARROW - AHEAD ARROW	12	X	18	-	-	-	-	1.5	1	ON POLE WITH 10-26

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
11-1	D3-1	E AUER AV	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
11-2	W14-2A	NO OUTLET (WITH ARROWS POINTING EAST)	36	X	10	-	-	-	-	2.5	1	ON POLE WITH 11-1 - (DOUBLE SIDED)
11-3	R1-1		30	X	30	-	1	-	-	6.3	1	
11-4	H1-3RM		12	X	36	1	-	-	-	3.0	1	
11-5	R4-7		24	X	30	-	1	-	-	5.0	1	
11-6	R7-7M		12	X	18	-	1	-	-	1.5	1	
11-7	R7-7M		12	X	18	-	1	-	-	1.5	1	
11-8	R2-1	SPEED LIMIT 30	24	X	30	-	-	1	-	5.0	1	
11-9	S5-2		24	X	30	-	-	-	-	5.0	1	ON POST WITH 11-8
11-10	S4-2M	SCHOOL SPEED LIMIT 20	24	X	48	-	-	-	1	8.0	1	
11-11	R2-6P		24	X	18	-	-	-	-	3.0	1	ON POST WITH 11-10
11-12	S4-2M	SCHOOL SPEED LIMIT 20	24	X	48	-	-	-	-	8.0	1	ATTACH TO LIGHT POLE
11-13	R2-6P		24	X	18	-	-	-	-	3.0	1	ON POLE WITH 11-12
11-14	S1-1		30	X	30	-	-	1	-	6.3	1	
11-15	R5-3AMF		24	X	12	-	-	-	-	2.0	1	ON POST WITH 11-14
11-16	S1-1		30	X	30	-	-	-	-	6.3	1	ATTACH TO LIGHT POLE
11-17	R5-3AMF		24	X	12	-	-	-	-	2.0	1	ON POLE WITH 11-16
11-18	D3-1	E AUER AV	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
11-19	W14-2A	NO OUTLET (WITH ARROWS POINTING EAST)	36	X	10	-	-	-	-	2.5	1	ON POLE WITH 11-18
11-20	R1-1		30	X	30	-	1	-	-	6.3	1	
11-21	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
11-22	W14-2		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 11-21
11-23	H1-3RM		12	X	36	1	-	-	-	3.0	1	
11-24	R4-7		24	X	30	-	1	-	-	5.0	1	
11-25	R7-7M		12	X	18	-	1	-	-	1.5	1	

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
12-1	D3-1	E CONCORDIA AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
12-2	S1-1		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 12-1
12-3	W16-7	DIAGONAL DOWN RIGHT ARROW	24	X	12	-	-	-	-	2.0	1	ON POLE WITH 12-1
12-4	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
12-5	R1-1		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 12-4
12-6	S1-1		30	X	30	-	-	1	-	6.3	1	
12-7	W16-7	DIAGONAL DOWN LEFT ARROW	24	X	12	-	-	-	-	2.0	1	ON POST WITH 12-6
12-8	D3-1	E CONCORDIA AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
12-9	S1-1		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 12-8
12-10	W16-7	DIAGONAL DOWN RIGHT ARROW	24	X	12	-	-	-	-	2.0	1	ON POLE WITH 12-8
12-11	R7-7M		12	X	18	-	1	-	-	1.5	1	
12-12	R4-7		24	X	30	-	1	-	-	5.0	1	
12-13	H1-3LM		12	X	36	1	-	-	-	3.0	1	
12-14	S4-2M	SCHOOL SPEED LIMIT 20	24	X	48	-	-	-	1	8.0	1	
12-15	R2-6P		24	X	18	-	-	-	-	3.0	1	ON POST WITH 12-14
12-16	S4-2M	SCHOOL SPEED LIMIT 20	24	X	48	-	-	-	-	8.0	1	ATTACH TO LIGHT POLE
12-17	R2-6P		24	X	18	-	-	-	-	3.0	1	ON POLE WITH 12-16
12-18	S1-1		30	X	30	-	-	1	-	6.3	1	
12-19	R5-3AMF		24	X	12	-	-	-	-	2.0	1	ON POST WITH 12-18
12-20	R7-7M		12	X	18	-	1	-	-	1.5	1	
12-21	R2-1	SPEED LIMIT 30	24	X	30	-	-	1	-	5.0	1	
12-22	S5-2		24	X	30	-	-	-	-	5.0	1	ON POST WITH 12-21
12-23	R1-1		30	X	30	-	1	-	-	6.3	1	
12-24	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
12-25	W14-2		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 12-24
12-26	H1-3RM		12	X	36	1	-	-	-	3.0	1	
12-27	D3-1	E CONCORDIA AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
12-28	W14-2A	NO OUTLET (WITH ARROWS POINTING EAST)	36	X	10	-	-	-	-	2.5	1	ON POLE WITH 12-27 - (DOUBLE SIDED)
12-29	R7-1SM		12	X	18	-	1	-	-	1.5	1	
12-30	R4-7		24	X	30	-	1	-	-	5.0	1	
12-31	S1-1		30	X	30	-	-	-	1	6.3	1	
12-32	W16-7	DIAGONAL DOWN LEFT ARROW	24	X	12	-	-	-	-	2.0	1	ON POST WITH 12-31
12-33	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH 12-31
12-34	R7-1SM		12	X	18	-	1	-	-	1.5	1	

SIGN INSTALLATION

CAT 0010

SIGN NO.	SIGN CODE	MESSAGE	SIZE			FOR INFORMATION ONLY					SPV.0060.006 INSTALL CITY FURNISHED SIGN EACH	REMARKS
			INCHES	X	INCHES	CITY FURNISHED POSTS 7'-0" EACH	CITY FURNISHED POSTS 9'-6" EACH	CITY FURNISHED POSTS 11'-0" EACH	CITY FURNISHED POSTS 12'-10" EACH	CITY FURNISHED SIGNS TYPE II SF		
13-1	R1-1		30	X	30	-	1	-	-	6.3	1	
13-2	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
13-3	H1-3RM		12	X	36	1	-	-	-	3.0	1	
13-4	R7-7M		12	X	18	-	1	-	-	1.5	1	
13-5	R2-1	SPEED LIMIT 30	24	X	30	-	1	-	-	5.0	1	
13-6	D3-1	E TOWNSEND ST	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
13-7	R4-7		24	X	30	-	1	-	-	5.0	1	
13-8	H1-3LM		12	X	36	1	-	-	-	3.0	1	
13-9	D3-1	E TOWNSEND ST	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
13-10	S1-1		30	X	30	-	-	-	-	6.3	1	ON POLE WITH 13-9
13-11	R5-3AMF		24	X	12	-	-	-	-	2.0	1	ON POLE WITH 13-9
14-1	R4-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
14-2	D3-1	E KEEFE AV	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
14-3	R5-23T	3 TONS OR OVER	24	X	36	-	-	-	-	6.0	1	ON POLE WITH 14-2
14-4	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
14-5	R4-7		24	X	30	-	1	-	-	5.0	1	6" SOCKET IN CONCRETE
14-6	D3-1	E KEEFE AV	30	X	10	-	-	-	-	2.1	1	ATTACH TO LIGHT POLE
14-7	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
14-8	R5-23T	3 TONS OR OVER	24	X	36	-	-	-	-	6.0	1	ON POLE WITH 14-7
14-9	H1-3RM		12	X	36	-	-	-	-	3.0	1	ON POLE WITH 14-7
14-10	R7-1SM		12	X	18	-	1	-	-	1.5	1	
14-11	R4-4		36	X	30	-	-	1	-	7.5	1	
14-12	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH 14-11
15-1	R7-1SM		12	X	18	-	-	-	-	1.5	1	ATTACH TO WOOD POLE
15-2	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
15-3	R3-17		30	X	24	-	-	-	-	5.0	1	ON POLE WITH 15-2
15-4	R3-17B		30	X	12	-	-	-	-	2.1	1	ON POLE WITH 15-2
15-5	H1-3RM		12	X	36	-	-	-	-	3.0	1	ON POLE WITH 15-2
15-6	R3-7L		30	X	30	-	-	-	-	6.3	1	ATTACH TO LIGHT POLE
15-7	R3-7RB	EXCEPT BUSES	30	X	30	-	-	-	-	6.3	1	ON POLE WITH 15-6
15-8	D11-1		24	X	18	-	-	-	-	3.0	1	ATTACH TO LIGHT POLE
15-9	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POLE WITH 15-8
15-10	R10-7BM		24	X	30	-	1	-	-	5.0	1	
15-11	W14-1		30	X	30	-	-	-	-	6.3	1	ATTACH TO WOOD POLE
15-12	R7-1SM		12	X	18	-	-	-	-	1.5	1	ATTACH TO LIGHT POLE
15-13	R2-1	SPEED LIMIT 30	24	X	30	-	-	-	-	5.0	1	ATTACH TO LIGHT POLE
15-14	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POLE WITH 15-13
15-15	D3-1	N HUMBOLDT AV	36	X	10	-	-	-	-	2.5	1	ATTACH TO LIGHT POLE
15-16	R3-7L		30	X	30	-	-	-	-	6.3	1	ATTACH TO SIGNAL POLE
15-17	R7-1SM		12	X	18	-	1	-	-	1.5	1	
15-18	R3-7LM	AHEAD	30	X	30	-	-	1	-	6.3	1	
15-19	R7-1SM		12	X	18	-	-	-	-	1.5	1	ON POST WITH 15-18
PROJECT TOTALS						16	75	24	6	1,095.4	298	

ESTIMATE OF QUANTITIES; STREET LIGHTING

PROJECT ID. 2667-03-71

MILWAUKEE COUNTY

Std.Bid Item No.	Description	Unit	Quantity
650.8500	Construction Staking Electrical Installations	LS	1
652.0235 *	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	14,350
652.0335 *	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	3,310
652.0615 *	Conduit Special 3-Inch	LF	620
654.0105	Concrete Bases Type 5	EACH	87
655.0305 *	Cable Type UF 2#12 AWG Grounded	LF	6,840
657.0255 *	Transformer Bases Breakway 11 1/2-inch Bolt Circle	EACH	87
674.0300	Remove Cable	LF	10
SPV.0060.302	Fiberglass/Polymer Concrete Pull Boxes 13-Inch x 24-Inch x 24-Inch	EACH	101
SPV.0060.319	Poles Type 19' Bolt Down AL	EACH	18
SPV.0060.321	Poles Type 30' Bolt Down AL	EACH	69
SPV.0060.334	Lighting System Temporary	EACH	88
SPV.0060.345	Luminaire Arms Single Member 6-FT	EACH	152
SPV.0060.374	Luminaire Utility 1LED2	EACH	16
SPV.0060.375	Luminaire Architectural 2LED2	EACH	136
SPV.0060.387	Remove Luminaire Complete	EACH	1
SPV.0060.388	Remove Lighting Units	EACH	93
SPV.0090.306	Electrical Cable Type 3#6/1#8 XLP USE-2	LF	500
SPV.0090.308	Electrical Cable Type 3#2/1#8 XLP USE-2	LF	20,850
SPV.0090.319	Liquidtight Flexible Nonmetallic Conduit 1-1/2 Inch	LF	50

* Additional quantities shown elsewhere

REMOVING AND ABANDONING STORM SEWER

CATEGORY	STATION	-	STATION	LOCATION	204.0245 .01 REMOVING STORM SEWER 18-INCHES OR LESS LF	204.0291.S ABANDONING SEWER CY
0010	105+74		106+00	LT	25	---
	106+00		106+25	LT	25	---
	106+50			RT	---	25
	106+50		106+80	LT	40	---
	109+05		109+32	LT	40	---
	109+05		109+60	RT	---	60
	109+17		109+32	RT	20	---
	109+32		109+45	RT	15	---
	112+47		112+65	RT	20	---
	112+65		112+76	RT	15	---
	115+78		115+93	RT	---	30
	115+79		115+93	LT	---	30
	117+62		117+85	RT	35	---
	117+65		117+85	LT	35	---
	119+08		119+22	LT	---	10
	119+22		119+38	LT	---	15
	119+56		119+70	RT/LT	40	---
	119+65		119+70	LT	---	15
	120+63		120+85	RT/LT	---	45
	122+15			LT	---	15
	122+55		122+70	RT/LT	40	---
	123+40		123+53	LT	---	20
	125+70		125+85	LT	---	15
	125+70		125+85	RT	15	---
	125+85		126+00	LT	---	15
	125+85		126+00	RT	15	---
	126+18		126+29	RT/LT	35	---
	126+20		126+29	LT	20	---
	126+21		126+29	LT	8	---
	130+05			RT/LT	30	---
	130+07		130+39	LT	40	---
	131+97		132+06	LT	20	---
	131+97		132+07	RT/LT	35	---
	131+90		131+97	LT	9	---
	132+24		132+35	LT	10	---
	132+35		132+47	LT	10	---
	132+47		132+70	LT	---	20
	136+60		136+79	RT/LT	---	40
	136+63		136+79	LT	---	25
	136+79		136+84	RT/LT	35	---
	136+79		136+89	LT	---	20
	COLUMN TOTALS				632	400

CON'T

REMOVING AND ABANDONING STORM SEWER (CON'T)

CATEGORY	STATION	-	STATION	LOCATION	204.0245 .01 REMOVING STORM SEWER 18-INCHES OR LESS LF	204.0291.S ABANDONING SEWER CY
0010	138+98		139+11	LT	15	---
	139+11		139+26	LT	15	---
	139+47		139+87	RT	50	---
	139+47		139+87	LT	50	---
	142+42		142+73	RT	40	---
	144+16		144+29	RT	---	30
	144+29			LT	---	30
	145+19		145+32	LT	10	---
	145+28		145+37	RT	---	30
	145+32		145+37	LT	30	---
	145+55			RT	5	---
	145+55		145+71	LT	15	---
	145+56		145+72	RT	15	---
	145+71		145+85	LT	8	---
	145+85		145+93	LT	15	---
	145+72		146+18	RT	45	---
	146+12		146+39	LT	45	---
	146+12		146+40	RT	---	35
	147+28			LT	---	35
	147+80			RT	---	30
	147+84		147+89	RT/LT	---	5
	148+86			LT	---	30
	151+91		151+98	RT/LT	7	---
	151+93			RT	---	30
	151+93			LT	30	---
	152+16		152+33	LT	20	---
	152+33		152+50	LT	20	---
	154+32		154+36	LT	---	30
	154+32		154+36	RT	---	30
	154+32		154+37	RT/LT	5	---
	155+63		155+89	RT	---	40
	155+63		155+89	RT/LT	25	---
	158+77		158+96	LT	20	---
	158+96		159+14	LT	20	---
	161+67		161+73	RT/LT	6	---
	162+80		162+89	RT	30	---
	162+81		162+89	LT	30	---
	165+09		165+20	RT/LT	10	---
	165+20			RT	30	---
	165+20			LT	30	---
	165+43		165+58	RT	15	---
	COLUMN TOTALS				656	355

CON'T

REMOVING AND ABANDONING STORM SEWER (CON'T)

CATEGORY	STATION	-	STATION	LOCATION	204.0245 .01 REMOVING STORM SEWER 18-INCHES OR LESS LF	204.0291.S ABANDONING SEWER CY
0010	165+58		165+72	RT	15	---
	168+89			LT	30	---
	168+89			RT	30	---
	171+70		171+77	RT	8	---
	171+78			RT/LT	35	---
	171+77		172+14	RT	---	45
	172+14		172+17	RT	4	---
	172+02		172+19	LT	15	---
	172+19		172+30	LT	9	---
	172+55		172+61	RT/LT	6	---
	172+61			LT	30	---
	174+85		174+88	RT	---	30
	174+88		174+94	RT/LT	---	30
	174+88			RT/LT	5	---
	177+09		177+22	LT	15	---
	177+22		177+36	LT	15	---
	177+32		177+68	RT	---	45
	177+62		177+68	LT	30	---
	177+68		177+75	RT/LT	7	---
	179+53		179+58	RT/LT	5	---
	179+58		179+95	RT	45	---
	179+58		180+03	LT	50	---
	182+57			RT	---	30
	182+57			LT	---	30
	183+13		183+20	RT/LT	6	---
	185+26		185+41	RT	15	---
	185+41		185+55	RT	15	---
	185+36		185+58	LT	25	---
	COLUMN TOTALS				415	210
	TOTALS				1,703	965

REMOVING MANHOLES

CATEGORY	STATION	OFFSET	204.0210 EACH
0010	132+33	60.0 'LT	1
	145+32	29.0 'LT	1
	145+58	70.0 'RT	1
	145+84	109.0 'LT	1
	TOTAL		4

REMOVING INLETS

CATEGORY	STATION		OFFSET	204.0220 EACH
0010	105+74	ML	56.0 'LT	1
	106+25	ML	54.0 'LT	1
	106+50	ML	30.0 'RT	1
	106+80	ML	29.0 'LT	1
	109+16	ML	50.0 'RT	1
	109+32	ML	29.0 'LT	1
	109+45	ML	50.0 'RT	1
	109+61	ML	29.0 'RT	1
	112+47	ML	52.0 'RT	1
	112+76	ML	52.0 'RT	1
	115+78	ML	28.0 'RT	1
	115+79	ML	28.0 'LT	1
	117+62	ML	28.0 'RT	1
	117+65	ML	28.0 'LT	1
	119+08	ML	53.0 'LT	1
	119+38	ML	53.0 'LT	1
	119+56	ML	28.0 'RT	1
	119+64	ML	28.0 'LT	1
	120+85	ML	28.0 'RT	1
	122+14	ML	28.0 'LT	1
	122+70	ML	28.0 'RT	1
	123+40	ML	28.0 'LT	1
	125+70	ML	53.0 'LT	1
	125+71	ML	51.0 'RT	1
	125+99	ML	50.0 'RT	1
	126+00	ML	53.0 'LT	1
	126+18	ML	28.0 'RT	1
	126+20	ML	28.0 'LT	1
	126+20	ML	0.0 'RT/LT	1
	130+05	ML	28.0 'RT	1
	130+39	ML	28.0 'LT	1
	131+90	ML	0.0 'RT/LT	1
	132+06	ML	28.0 'LT	1
	132+07	ML	28.0 'RT	1
	132+24	ML	57.0 'LT	1
	132+70	ML	59.0 'LT	1
	136+60	ML	29.0 'RT	1
	136+63	ML	29.0 'LT	1
	136+84	ML	29.0 'RT	1
	136+89	ML	29.0 'LT	1
	138+98	ML	52.0 'LT	1
	139+26	ML	54.0 'LT	1
	139+44	ML	29.0 'RT	1
	139+47	ML	29.0 'LT	1
	142+73	ML	29.0 'RT	1
	144+16	ML	29.0 'RT	1
	144+29	ML	29.0 'LT	1
	145+20	ML	30.0 'LT	1
COLUMN TOTAL				48
				CON'T

REMOVING INLETS (CON'T)

CATEGORY	STATION		OFFSET	204.0220 EACH
0010	145+27	ML	33.0 'RT	1
	145+55	ML	103.0 'LT	1
	145+56	ML	66.0 'RT	1
	145+93	ML	110.0 'LT	1
	146+18	ML	58.0 'RT	1
	146+39	ML	35.0 'LT	1
	146+40	ML	30.0 'RT	1
	147+29	ML	32.0 'LT	1
	147+77	ML	30.0 'RT	1
	147+89	ML	0.0 'RT/LT	1
	148+89	ML	30.0 'LT	1
	151+98	ML	0.0 'RT/LT	1
	151+95	ML	30.0 'RT	1
	151+99	ML	30.0 'LT	1
	152+16	ML	52.0 'LT	1
	152+50	ML	53.0 'LT	1
	154+36	ML	30.0 'RT	1
	154+36	ML	0.0 'RT/LT	1
	154+37	ML	30.0 'LT	1
	155+90	ML	0.0 'RT/LT	1
	155+89	ML	30.0 'RT	1
	158+77	ML	52.0 'LT	1
	159+14	ML	53.0 'LT	1
	161+67	ML	0.0 'RT/LT	1
	162+80	ML	30.0 'RT	1
	162+80	ML	30.0 'LT	1
	165+10	ML	0.0 'RT/LT	1
	165+16	ML	30.0 'LT	1
	165+17	ML	30.0 'RT	1
	165+44	ML	60.0 'RT	1
	165+72	ML	60.0 'RT	1
	168+88	ML	30.0 'RT	1
	168+89	ML	30.0 'LT	1
	171+70	ML	0.0 'RT/LT	1
	171+78	ML	30.0 'LT	1
	172+02	ML	56.0 'LT	1
	172+14	ML	30.0 'RT	1
	172+17	ML	30.0 'RT	1
	172+30	ML	55.0 'LT	1
	172+54	ML	0.0 'RT/LT	1
	172+62	ML	30.0 'LT	1
	174+85	ML	30.0 'RT	1
	174+88	ML	3.0 'RT	1
	174+94	ML	30.0 'LT	1
	177+09	ML	56.0 'LT	1
	177+32	ML	30.0 'RT	1
	177+36	ML	55.0 'LT	1
	177+62	ML	30.0 'LT	1
	177+75	ML	0.0 'RT/LT	1
	179+58	ML	0.0 'RT/LT	1
	179+95	ML	30.0 'RT	1
	180+03	ML	30.0 'LT	1
	182+55	ML	30.0 'LT	1
	182+58	ML	30.0 'RT	1
	183+20	ML	0.0 'RT/LT	1
	185+26	ML	52.0 'RT	1
	185+55	ML	54.0 'RT	1
	185+58	ML	69.0 'LT	1
COLUMN TOTAL				58
TOTAL				106

STORM SEWER PIPE

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0312 REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 REINFORCED CONCRETE CLASS III 18-INCH LF	SPV.0090.050 CORRUGATED PVC 12-INCH LF
0010	111	110	40	---	---	---
	112	110	30	---	---	---
	114	116	19	---	---	---
	115	117	56	---	---	---
	117	113	26	---	---	---
	118	116	18	---	---	---
	119	110	10	---	---	---
	120	113	81	---	---	---
	126	128	21	---	---	---
	127	140	31	---	---	---
	129	146	32	---	---	---
	130	128	15	---	---	---
	131	129	17	---	---	---
	135	137	20	---	---	---
	136	141	10	---	---	---
	138	140	31	---	---	---
	139	137	22	---	---	---
	141	143	17	---	---	---
	142	144	18	---	---	---
	144	146	---	31	---	---
	147	149	17	---	---	---
	148	143	39	---	---	---
	150	145	45	---	---	---
	152	151	---	42	---	---
	153	155	19	---	---	---
	154	156	18	---	---	---
	158	156	15	---	---	---
	159	161	48	---	---	---
	160	255	34	---	---	---
	162	229	34	---	---	---
	163	159	30	---	---	---
	165	255	23	---	---	---
	168	170	12	---	---	---
	170	177	---	36	---	---
	175	179	11	---	---	---
	176	716	44	---	---	---
	179	177	---	22	---	---
	180	927	33	---	---	---
	181	185	14	---	---	---
	187	185	15	---	---	---
	188	182	34	---	---	---
	189	716	39	---	---	---
	193	927	---	34	---	---
	194	190	---	42	---	---
	195	190	52	---	---	---
	196	193	10	---	---	---
	197	180	10	---	---	---
	200	215	31	---	---	---
	204	206	10	---	---	---
	205	190	---	44	---	---
	206	929	---	61	---	---
	210	930	38	---	---	---
	213	215	30	---	---	---
	217	207	17	---	---	---
	219	207	17	---	---	---
	220	222	31	---	---	---
	221	929	35	---	---	---
	225	930	22	---	---	---
	226	947	18	---	---	---
	230	232	15	---	---	---
	231	233	23	---	---	---
	234	232	15	---	---	---
	235	229	39	---	---	---
	237	738	30	---	---	---
	240	238	30	---	---	---
	244	246	12	---	---	---
	245	248	12	---	---	---
	246	242	---	26	---	---
	247	222	31	---	---	---
	248	305	12	---	---	---
COLUMN TOTALS			1,578	338	0	0

STORM SEWER PIPE (CON'T)

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0312 REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 REINFORCED CONCRETE CLASS III 18-INCH LF	SPV.0090.050 CORRUGATED PVC 12-INCH LF
0010	252	228	24	---	---	---
	253	252	17	---	---	---
	254	901	33	---	---	---
	256	285	30	---	---	---
	258	321	52	---	---	---
	260	262	30	---	---	---
	263	238	30	---	---	---
	264	262	88	---	---	---
	265	242	34	---	---	---
	266	268	15	---	---	---
	267	269	17	---	---	---
	270	268	14	---	---	---
	271	269	12	---	---	---
	273	950	30	---	---	---
	275	319	60	---	---	---
	276	186	50	---	---	---
	279	281	15	---	---	---
	283	281	16	---	---	---
	287	285	30	---	---	---
	289	321	58	---	---	---
	293	262	30	---	---	---
	303	301	23	---	---	---
	307	305	23	---	---	---
	325	265	12	---	---	---
	327	267	7	---	---	---
	329	271	7	---	---	---
	551	309	17	---	---	---
	571	309	18	---	---	---
	899	909	25	---	---	---
	900	910	12	---	---	---
	901	319	---	40	---	---
	902	903	10	---	---	---
	903	950	---	30	---	---
	904	273	10	---	---	---
	905	233	23	---	---	---
	909	205	---	92	---	---
	910	194	77	---	---	---
	911	186	16	---	---	---
	912	251	39	---	---	---
	913	251	25	---	---	---
	915	152	29	---	---	---
	916	942	14	---	---	---
	917	148	35	---	---	---
	918	940	26	---	---	---
	919	940	26	---	---	---
	922	191	42	---	---	---
	923	173	24	---	---	---
	924	173	35	---	---	---
	927	182	---	72	---	---
	928	202	---	---	19	---
	929	928	---	---	84	---
	930	935	---	---	37	---
	931	218	29	---	---	---
	932	218	30	---	---	---
	935	223	---	---	8	---
	942	151	17	---	---	---
	943	182	37	---	---	---
	946	221	10	---	---	---
	947	228	24	---	---	---
COLUMN TOTALS			1,407	234	148	0
UNDISTRIBUTED			---	---	---	100
TOTALS			2,985	572	148	100

MANHOLES, CATCHBASINS AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	STRUCTURE OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	SPV.0060.110 CATCH BASIN 44A EACH	SPV.0060.111 CATCH BASIN 44B EACH	611.3220 INLETS 2X2-FT EACH	SPV.0060.103 MANHOLE COVERS TYPE MS 58-A EACH	SPV.0060.105 MANHOLE COVERS TYPE MS 23-A EACH	SPV.0060.102 INLET COVERS TYPE MS 57 EACH	611.0651 INLET COVERS TYPE S EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	110	L06+50.4	0.6 ' RT	---	---	---	---	1	---	---	---	---
	111	L06+75.0	30.6 ' LT	---	1	---	---	---	---	1	---	1
	112	L06+50.0	30.6 ' RT	---	1	---	---	---	---	1	---	1
	113	L09+04.9	0.5 ' LT	---	---	---	---	1	---	---	---	---
	114	L09+16.4	51.0 ' RT	---	1	---	---	---	---	1	---	1
	115	L09+75.0	28.9 ' LT	---	1	---	---	---	---	1	---	1
	116	L09+32.1	62.4 ' RT	---	---	---	---	1	---	---	---	---
	117	L09+19.0	22.9 ' LT	---	1	---	---	---	---	1	---	1
	118	L09+44.6	50.0 ' RT	---	1	---	---	---	---	1	---	1
	119	L06+60.2	2.4 ' RT	---	---	1	---	---	---	1	---	1
	120	L09+80.0	28.9 ' RT	---	1	---	---	---	---	1	---	1
	126	L12+47.4	52.0 ' RT	---	1	---	---	---	---	1	---	1
	127	L15+80.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	128	L12+65.3	62.4 ' RT	---	---	---	---	1	---	---	---	---
	129	L17+70.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	130	L12+75.6	52.0 ' RT	---	1	---	---	---	---	1	---	1
	131	L17+53.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	135	L19+07.9	53.0 ' LT	---	1	---	---	---	---	1	---	1
	136	L19+75.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	137	L19+21.6	39.0 ' LT	---	---	---	---	1	---	---	---	---
	138	L15+80.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	139	L19+38.1	53.0 ' LT	---	1	---	---	---	---	1	---	1
	140	L15+93.4	0.4 ' RT	---	---	---	---	1	---	---	---	---
	141	L19+65.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	142	L17+52.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	143	L19+69.7	11.1 ' LT	---	---	---	---	1	---	---	---	---
	144	L17+70.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	145	L20+63.3	11.2 ' LT	---	---	---	---	1	---	---	---	---
	146	L17+85.1	0.7 ' RT	---	---	---	---	1	---	---	---	---
	147	L22+14.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	148	L19+65.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	149	L22+15.3	10.8 ' LT	---	---	---	---	1	---	---	---	---
	150	L20+85.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	151	L22+54.8	11.1 ' LT	---	---	---	---	1	---	---	---	---
	152	L22+70.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	153	L23+40.1	27.8 ' LT	---	1	---	---	---	---	1	---	1
	154	L25+70.4	51.0 ' RT	---	1	---	---	---	---	1	---	1
	155	L23+52.8	13.7 ' LT	---	---	---	---	1	---	---	---	---
	156	L25+85.7	60.0 ' RT	---	---	---	---	1	---	---	---	---
	158	L25+98.7	52.0 ' RT	---	1	---	---	---	---	1	---	1
	159	L25+69.8	51.0 ' LT	---	1	---	---	---	---	1	---	1
	160	L26+34.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	161	L25+85.5	6.0 ' LT	---	---	---	---	---	1	---	---	---
	162	L30+05.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	163	L26+00.0	51.0 ' LT	---	1	---	---	---	---	1	---	1
	165	L26+36.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	168	L36+62.0	28.9 ' RT	---	1	---	---	---	---	1	---	1
	170	L36+74.0	28.9 ' RT	---	1	---	---	---	---	1	---	1
	171	L32+98.1	7.0 ' LT	---	---	---	---	1	---	---	---	---
	173	L34+84.6	5.8 ' LT	---	---	---	---	1	---	---	---	---
	175	L36+68.0	28.9 ' LT	---	1	---	---	---	---	1	---	1
	176	L39+54.0	28.9 ' RT	---	1	---	---	---	---	1	---	1
	SHEET TOTALS			0	35	1	0	15	1	36	0	36

CON'T

MANHOLES AND INLETS SUMMARY (CON'T)

CATEGORY	STRUCTURE NUMBER	STATION	STRUCTURE OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	SPV.0060.110 CATCH BASIN 44A EACH	SPV.0060.111 CATCH BASIN 44B EACH	611.3220 INLETS 2X2-FT EACH	SPV.0060.103 MANHOLE COVERS TYPE MS 58-A EACH	SPV.0060.105 MANHOLE COVERS TYPE MS 23-A EACH	SPV.0060.102 INLET COVERS TYPE MS 57 EACH	611.0651 INLET COVERS TYPE S EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	177	L36+78.7	6.8 ' LT	---	---	---	---	1	---	---	---	---
	179	L36+79.0	28.9 ' LT	---	1	---	---	---	---	1	---	1
	180	L44+57.0	32.6 ' RT	---	---	---	1	---	---	---	---	1
	181	L38+97.6	60.0 ' LT	---	1	---	---	---	---	1	---	1
	182	L45+36.7	0.3 ' RT	---	---	---	---	1	---	---	---	---
	183	L39+11.4	5.5 ' LT	---	---	---	---	---	---	1	---	---
	185	L39+11.4	61.8 ' LT	---	---	---	---	1	---	---	---	---
	186	L45+71.6	62.5 ' RT	---	---	---	---	1	---	---	---	---
	187	L39+25.9	62.0 ' LT	---	1	---	---	---	---	1	---	1
	188	L45+28.0	33.0 ' RT	---	---	1	---	---	---	1	---	1
	189	L39+61.0	28.9 ' LT	---	1	---	---	---	---	1	---	1
	190	L46+11.8	3.3 ' RT	---	---	---	---	1	---	---	---	---
	191	L42+41.9	0.1 ' LT	---	---	---	---	1	---	---	---	---
	193	L44+59.0	32.6 ' LT	---	1	---	---	---	---	1	---	1
	194	L46+42.0	32.6 ' RT	---	1	---	---	---	---	1	---	1
	195	L46+63.5	4.4 ' RT	---	---	1	---	---	---	1	---	1
	196	L44+49.0	32.6 ' LT	---	1	---	---	---	---	1	---	1
	197	L44+47.0	32.6 ' RT	---	---	---	1	---	---	---	---	1
	199	L45+71.6	63.5 ' LT	---	---	---	---	1	---	---	---	---
	200	L51+96.6	29.9 ' RT	---	1	---	---	---	---	1	---	1
	202	L52+76.4	0.1 ' RT	---	---	---	---	1	---	---	---	---
	204	L54+17.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	205	L46+37.0	32.6 ' LT	---	1	---	---	---	---	1	---	1
	206	L54+07.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	207	L52+33.2	62.0 ' LT	---	---	---	---	1	---	---	---	---
	210	L56+04.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	213	L51+90.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	215	L51+91.0	0.2 ' LT	---	---	---	---	1	---	---	---	---
	217	L52+16.0	60.0 ' LT	---	---	1	---	---	---	1	---	1
	218	L61+73.2	0.5 ' RT	---	---	---	---	1	---	---	---	---
	219	L52+50.2	58.0 ' LT	---	1	---	---	---	---	1	---	1
	220	L62+80.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	221	L54+01.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	222	L62+89.2	0.5 ' RT	---	---	---	---	1	---	---	---	---
	223	L55+62.9	0.1 ' LT	---	---	---	---	1	---	---	---	---
	225	L56+04.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	226	L65+07.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	228	L65+19.7	0.4 ' RT	---	---	---	---	1	---	---	---	---
	229	L30+07.5	6.2 ' LT	---	---	---	---	1	---	---	---	---
	230	L65+43.3	57.0 ' RT	---	1	---	---	---	---	1	---	1
	231	L58+76.4	51.0 ' LT	---	---	1	---	---	---	1	---	1
	232	L65+57.6	62.3 ' RT	---	---	---	---	1	---	---	---	---
	233	L58+95.5	62.9 ' LT	---	---	---	---	1	---	---	---	---
	234	L65+72.0	59.0 ' RT	---	1	---	---	---	---	1	---	1
	235	L30+39.0	28.9 ' LT	---	1	---	---	---	---	1	---	1
	237	L60+27.9	2.4 ' RT	---	---	1	---	---	---	1	---	1
	238	L68+88.1	0.2 ' RT	---	---	---	---	1	---	---	---	---
	240	L68+88.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	242	L71+77.1	4.1 ' RT	---	---	---	---	1	---	---	---	---
	244	L71+66.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	245	L32+23.6	67.0 ' LT	---	---	---	1	---	---	---	1	1
	246	L71+78.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	247	L62+81.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	248	L32+35.5	64.6 ' LT	---	1	---	---	1	---	---	---	1
	251	L31+97.4	6.8 ' LT	---	---	---	---	1	---	---	---	---
	252	L65+23.0	23.9 ' LT	---	---	1	---	---	---	1	---	1
	253	L65+07.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	254	L74+93.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	255	L26+29.3	6.1 ' LT	---	---	---	---	1	---	---	---	---
	256	L77+71.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	258	L79+95.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	260	L83+14.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	262	L83+13.6	0.3 ' RT	---	---	---	---	1	---	---	---	---
	263	L68+88.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	264	L84+01.6	2.5 ' LT	---	---	1	---	---	---	1	---	1
	265	L71+78.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	266	L85+26.2	54.0 ' RT	---	1	---	---	---	---	1	---	1
	267	L72+01.8	55.0 ' LT	---	1	---	---	---	---	1	---	1
	268	L85+40.8	50.4 ' RT	---	---	---	---	1	---	---	---	---
	SHEET TOTALS			0	35	7	3	24	1	41	1	45

CON'T

MANHOLES AND INLETS SUMMARY (CON'T)

CATEGORY	STRUCTURE NUMBER	STATION	STRUCTURE OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	SPV.0060.110 CATCH BASIN 44A EACH	SPV.0060.111 CATCH BASIN 44B EACH	611.3220 INLETS 2X2-FT EACH	SPV.0060.103 MANHOLE COVERS TYPE MS 58-A EACH	SPV.0060.105 MANHOLE COVERS TYPE MS 23-A EACH	SPV.0060.102 INLET COVERS TYPE MS 57 EACH	611.0651 INLET COVERS TYPE S EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	269	L72+18.5	57.2 ' LT	---	---	---	---	1	---	---	---	---
	270	L85+54.7	54.0 ' RT	---	1	---	---	---	---	1	---	1
	271	L72+30.0	55.0 ' LT	---	1	---	---	---	---	1	---	1
	273	L72+63.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	274	L45+71.8	202.7 ' RT	---	---	---	---	1	---	---	---	---
	275	L74+91.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	276	L46+14.2	88.0 ' RT	---	1	---	---	---	---	1	---	1
	279	L77+08.3	56.0 ' LT	---	1	---	---	---	---	1	---	1
	281	L77+22.3	61.0 ' LT	---	---	---	---	1	---	---	---	---
	283	L77+36.6	53.0 ' LT	---	1	---	---	---	---	1	---	1
	285	L77+67.8	0.0 ' RT	---	---	---	---	1	---	---	---	---
	287	L77+72.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	289	L80+03.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	293	L83+14.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	301	L85+35.6	66.0 ' LT	---	---	---	---	1	---	---	---	---
	303	L85+58.3	66.0 ' LT	---	1	---	---	---	---	1	---	1
	305	L32+47.4	62.2 ' LT	---	---	---	---	1	---	---	---	---
	307	L32+69.8	63.0 ' LT	---	1	---	---	---	---	1	---	1
	309	L45+70.7	108.1 ' LT	---	---	---	---	1	---	---	---	---
	319	L74+39.0	0.5 ' LT	---	---	---	---	1	---	---	---	---
	321	L79+52.8	0.0 ' RT	---	---	---	---	1	---	---	---	---
	325	L71+66.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	327	L72+01.7	62.0 ' LT	---	1	---	---	---	---	1	---	1
	329	L72+30.0	62.0 ' LT	---	1	---	---	---	---	1	---	1
	551	L45+54.7	103.0 ' LT	---	---	1	---	---	---	1	---	1
	571	L45+88.9	110.0 ' LT	---	1	---	---	---	---	1	---	1
	700	L11+79.4	0.4 ' RT	---	---	---	---	1	---	---	---	---
	701	L12+46.9	1.1 ' RT	---	---	---	---	1	---	---	---	---
	702	L14+01.3	0.3 ' RT	---	---	---	---	1	---	---	---	---
	703	L14+09.4	6.4 ' LT	---	---	---	---	1	---	---	---	---
	704	L14+41.7	1.2 ' RT	---	---	---	---	---	1	---	---	---
	705	L14+89.2	6.4 ' LT	---	---	---	---	1	---	---	---	---
	706	L16+89.6	0.9 ' RT	---	---	---	---	1	---	---	---	---
	707	L18+61.1	0.7 ' LT	---	---	---	---	1	---	---	---	---
	708	L18+77.3	6.6 ' LT	---	---	---	---	1	---	---	---	---
	709	L25+47.5	12.4 ' LT	---	---	---	---	1	---	---	---	---
	710	L27+22.7	6.2 ' LT	---	---	---	---	1	---	---	---	---
	711	L28+18.9	6.2 ' LT	---	---	---	---	1	---	---	---	---
	712	L29+11.3	5.9 ' LT	---	---	---	---	1	---	---	---	---
	713	L32+47.7	6.2 ' LT	---	---	---	---	---	1	---	---	---
	714	L36+95.9	7.7 ' RT	---	---	---	---	1	---	---	---	---
	715	L38+47.9	2.9 ' RT	---	---	---	---	1	---	---	---	---
	716	L39+87.2	0.1 ' RT	---	---	---	---	1	---	---	---	---
	718	L45+72.8	29.7 ' LT	---	---	---	---	1	---	---	---	---
	719	L45+84.8	28.1 ' LT	---	---	---	---	1	---	---	---	---
	720	L45+91.6	27.2 ' LT	---	---	---	---	1	---	---	---	---
	722	L46+26.1	30.6 ' RT	---	---	---	---	1	---	---	---	---
	723	L49+18.4	0.1 ' RT	---	---	---	---	1	---	---	---	---
	725	L58+49.0	0.3 ' RT	---	---	---	---	1	---	---	---	---
	726	L59+42.7	0.3 ' RT	---	---	---	---	1	---	---	---	---
	727	L65+60.1	62.2 ' LT	---	---	---	---	1	---	---	---	---
	728	L65+58.2	45.7 ' LT	---	---	---	---	---	1	---	---	---
	729	L65+69.4	40.4 ' LT	---	---	---	---	---	1	---	---	---
	731	174+39.0	49.9 'RT	---	---	---	---	1	---	---	---	---
	732	176+81.5	0.0 ' LT	---	---	---	---	1	---	---	---	---
	SHEET TOTALS			0	16	1	0	34	4	17	0	17

CON'T

MANHOLES AND INLETS SUMMARY (CON'T)

CATEGORY	STRUCTURE NUMBER	STATION	STRUCTURE OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	SPV.0060.110 CATCH BASIN 44A EACH	SPV.0060.111 CATCH BASIN 44B EACH	611.3220 INLETS 2X2-FT EACH	SPV.0060.103 MANHOLE COVERS TYPE MS 58-A EACH	SPV.0060.105 MANHOLE COVERS TYPE MS 23-A EACH	SPV.0060.102 INLET COVERS TYPE MS 57 EACH	611.0651 INLET COVERS TYPE S EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	733	L81+31.7	0.4 ' LT	---	---	---	---	1	---	---	---	---
	734	L84+96.0	1.6 ' RT	---	---	---	---	1	---	---	---	---
	735	L85+81.1	4.5 ' LT	---	---	---	---	1	---	---	---	---
	736	L85+89.0	7.8 ' RT	---	---	---	---	1	---	---	---	---
	738	L60+58.3	0.3 ' RT	---	---	---	---	1	---	---	---	---
	739	L65+66.1	48.1 ' LT	---	---	---	---	1	---	---	---	---
	741	L64+04.4	0.2 ' RT	---	---	---	---	1	---	---	---	---
	742	L13+40.3	0.1 ' RT	---	---	---	---	1	---	---	---	---
	899	L47+54.0	32.6 ' LT	---	1	---	---	---	---	1	---	1
	900	L47+31.0	32.1 ' RT	---	1	---	---	---	---	1	---	1
	901	L74+60.1	33.7 ' RT	---	1	---	---	---	---	1	---	1
	902	L72+54.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	903	L72+64.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	904	L72+53.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	905	L59+14.0	51.0 ' LT	---	1	---	---	---	---	1	---	1
	909	L47+29.0	32.6 ' LT	---	1	---	---	---	---	1	---	1
	910	L47+19.0	32.5 ' RT	---	1	---	---	---	---	1	---	1
	911	L45+55.7	66.0 ' RT	---	1	---	---	---	---	1	---	1
	912	L31+88.0	30.6 ' RT	---	1	---	---	---	---	1	---	1
	913	L31+90.0	30.6 ' LT	---	1	---	---	---	---	1	---	1
	915	L22+99.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	916	L22+70.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	917	L20+00.0	27.9 ' RT	---	1	---	---	---	---	1	---	1
	918	L05+73.6	56.4 ' LT	---	1	---	---	---	---	1	---	1
	919	L06+25.0	61.0 ' LT	---	1	---	---	---	---	1	---	1
	922	L42+73.0	28.9 ' RT	---	1	---	---	---	---	1	---	1
	923	L34+80.0	28.9 ' LT	---	1	---	---	---	---	1	---	1
	924	L34+80.0	28.9 ' RT	---	1	---	---	---	---	1	---	1
	927	L44+65.0	1.0 ' RT	---	1	---	---	1	---	---	---	1
	928	L52+84.0	17.5 ' LT	1	---	---	---	1	---	---	---	1
	929	L53+68.0	17.5 ' LT	1	---	---	---	1	---	---	---	1
	930	L56+00.0	8.0 ' LT	1	---	---	---	1	---	---	---	1
	931	L61+73.0	29.9 ' RT	---	1	---	---	---	---	1	---	1
	932	L61+73.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	935	L55+63.0	8.0 ' LT	1	---	---	---	1	---	---	---	1
	940	L05+98.8	63.8 ' LT	---	---	---	---	1	---	---	---	---
	942	L22+56.0	27.9 ' LT	---	1	---	---	---	---	1	---	1
	943	L45+19.0	32.6 ' LT	---	1	---	---	---	---	1	---	1
	946	L54+11.0	29.9 ' LT	---	1	---	---	---	---	1	---	1
	947	L65+40.0	30.3 ' RT	---	1	---	---	---	---	1	---	1
	948	L65+41.6	58.0 ' LT	---	---	---	---	---	---	---	---	---
	949	L65+69.9	58.0 ' LT	---	---	---	---	---	---	---	---	---
	950	L72+61.0	0.4 ' RT	---	---	---	---	1	---	---	---	---
	SHEET TOTALS			4	27	0	0	15	0	26	0	31
	TOTALS			4	113	9	3	88	6	120	1	129

MISC. STORM SEWER

CATEGORY	STRUCT. NO.	STATION	STRUCTURE OFFSET	SPV.0060.130 STORM SEWER TAP EACH	611.8115 INLET COVERS EACH	SPV.0060.002** ADJUSTING WATER SERVICE BOXES EACH	SPV.0060.003** ADJUSTING WATER MANHOLES FRAME AND LID EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH	204.0280 SEALING PIPES EACH	SPV.0060.999** WATERMAIN PROTECTION EACH	611.0420 RECONSTRUCTING MANHOLES EACH
0010	110	106+50.4	0.6 ' RT	3	---	---	---	3	---	---	---
	113	109+04.9	0.5 ' LT	2	---	---	---	2	---	---	---
	116	109+32.1	62.4 ' RT	2	---	---	---	2	---	---	---
	128	112+65.3	62.4 ' RT	2	---	---	---	2	---	---	---
	137	119+21.6	39.0 ' LT	2	---	---	---	2	---	---	---
	140	115+93.4	0.4 ' RT	2	---	---	---	2	---	---	---
	143	119+69.7	11.1 ' LT	2	---	---	---	2	---	---	---
	145	120+63.3	11.2 ' LT	1	---	---	---	1	---	---	---
	146	117+85.1	0.7 ' RT	2	---	---	---	2	1	---	---
	149	122+15.3	10.8 ' LT	1	---	---	---	1	---	---	---
	151	122+54.8	11.1 ' LT	2	---	---	---	2	---	---	---
	155	123+52.8	13.7 ' LT	1	---	---	---	1	---	---	---
	156	125+85.7	60.0 ' RT	2	---	---	---	2	---	---	---
	161	125+85.5	6.0 ' LT	1	---	---	---	1	---	---	---
	173	134+84.6	5.8 ' LT	2	---	---	---	2	---	---	---
	177	136+78.7	6.8 ' LT	2	---	---	---	2	1	---	---
	182	145+36.7	0.3 ' RT	3	---	---	---	3	---	---	---
	185	139+11.4	61.8 ' LT	2	---	---	---	2	1	---	---
	186	145+71.6	62.5 ' RT	2	---	---	---	2	---	---	---
	190	146+11.8	3.3 ' RT	3	---	---	---	3	1	---	---
	191	142+41.9	0.1 ' LT	1	---	---	---	1	---	---	---
	202	152+76.4	0.1 ' RT	1	---	---	---	1	---	---	---
	207	152+33.2	62.0 ' LT	2	---	---	---	2	---	---	---
	215	151+91.0	0.2 ' LT	2	---	---	---	2	1	---	---
	217	152+16.0	60.0 ' LT	---	---	---	---	---	---	1	---
	218	161+73.2	0.5 ' RT	2	---	---	---	2	1	---	---
	222	162+89.2	0.5 ' RT	2	---	---	---	2	---	---	---
	223	155+62.9	0.1 ' LT	1	---	---	---	1	---	---	---
	228	165+19.7	0.4 ' RT	2	---	---	---	2	1	---	---
	229	130+07.5	6.2 ' LT	2	---	---	---	2	---	---	---
	232	165+57.6	62.3 ' RT	2	---	---	---	2	1	---	---
	233	158+95.5	62.9 ' LT	2	---	---	---	2	---	---	---
	238	168+88.1	0.2 ' RT	2	---	---	---	2	1	---	---
	242	171+77.1	4.1 ' RT	2	---	---	---	2	1	---	---
	245	132+23.6	67.0 ' LT	---	---	---	---	---	---	1	---
	251	131+97.4	6.8 ' LT	2	---	---	---	2	2	---	1
	252	165+23.0	23.9 ' LT	---	---	---	---	---	---	1	---
	255	126+29.3	6.1 ' LT	2	---	---	---	2	1	---	---
	262	183+13.6	0.3 ' RT	3	---	---	---	3	1	---	---
	268	185+40.8	50.4 ' RT	2	---	---	---	2	---	---	---
	269	172+18.5	57.2 ' LT	2	---	---	---	2	---	---	---
	281	177+22.3	61.0 ' LT	2	---	---	---	2	1	---	---
	285	177+67.8	0.0 ' LT	2	---	---	---	2	1	---	---
	297	185+20.6	59.8 ' LT	---	1	---	---	---	---	---	---
	299	185+21.0	69.5 ' LT	---	1	---	---	---	---	---	---
	301	185+35.6	66.0 ' LT	1	---	---	---	1	---	---	---
	305	132+47.4	62.2 ' LT	2	---	---	---	2	---	---	---
	309	145+70.7	108.1 ' LT	2	---	---	---	2	1	---	---
	319	174+39.0	0.5 ' LT	2	---	---	---	2	---	---	---
	321	179+52.8	0.0 ' RT	2	---	---	---	2	1	---	---
	400	106+34.3	24.0 ' LT	---	---	1	---	---	---	---	---
	401	106+27.9	30.4 ' RT	---	---	1	---	---	---	---	---
	402	106+28.8	38.3 ' RT	---	---	1	---	---	---	---	---
	403	106+27.7	41.6 ' RT	---	---	1	---	---	---	---	---
	404	106+57.2	33.3 ' LT	---	---	1	---	---	---	---	---
	405	109+35.8	48.5 ' RT	---	---	1	---	---	---	---	---
	406	109+40.9	54.7 ' RT	---	---	1	---	---	---	---	---
	407	112+72.6	49.1 ' RT	---	---	1	---	---	---	---	---
	408	118+88.5	21.6 ' RT	---	---	1	---	---	---	---	---
	409	118+91.5	20.2 ' RT	---	---	1	---	---	---	---	---
	410	119+29.6	50.3 ' RT	---	---	1	---	---	---	---	---
	411	119+31.0	47.2 ' LT	---	---	1	---	---	---	---	---
	412	119+48.3	18.0 ' RT	---	---	1	---	---	---	---	---
	413	119+52.7	11.5 ' RT	---	---	1	---	---	---	---	---
	414	119+52.2	20.2 ' RT	---	---	1	---	---	---	---	---
	415	119+59.4	27.1 ' RT	---	---	1	---	---	---	---	---
	416	125+49.9	21.7 ' RT	---	---	1	---	---	---	---	---
	417	125+92.7	48.9 ' LT	---	---	1	---	---	---	---	---
	418	126+15.3	20.0 ' RT	---	---	1	---	---	---	---	---
	419	127+71.0	31.0 ' RT	---	---	1	---	---	---	---	---
	420	128+65.5	20.7 ' RT	---	---	1	---	---	---	---	---
	SHEET TOTALS			86	2	21	0	86	18	3	1
											CON'T

** CATEGORY 0020

MISC. STORM SEWER (CON'T)

CATEGORY	STRUCT. NO.	STATION	STRUCTURE OFFSET	SPV.0060.130 STORM SEWER TAP EACH	611.8115 INLET COVERS EACH	SPV.0060.002** ADJUSTING WATER SERVICE BOXES EACH	SPV.0060.003** ADJUSTING WATER MANHOLES FRAME AND LID EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH	204.0280 SEALING PIPES EACH	SPV.0060.999** WATERMAIN PROTECTION EACH	611.0420 RECONSTRUCTING MANHOLES EACH
0010	421	129+19.1	15.4 ' RT	---	---	1	---	---	---	---	---
CON'T	422	129+20.7	15.5 ' RT	---	---	1	---	---	---	---	---
	423	129+55.5	19.1 ' RT	---	---	1	---	---	---	---	---
	424	129+58.4	20.6 ' RT	---	---	1	---	---	---	---	---
	425	129+64.9	20.7 ' RT	---	---	1	---	---	---	---	---
	426	132+15.8	20.1 ' RT	---	---	1	---	---	---	---	---
	427	132+20.6	32.1 ' LT	---	---	1	---	---	---	---	---
	428	132+25.8	49.6 ' LT	---	---	1	---	---	---	---	---
	429	132+56.0	49.2 ' LT	---	---	1	---	---	---	---	---
	430	132+85.6	26.5 ' RT	---	---	1	---	---	---	---	---
	431	135+66.5	25.4 ' RT	---	---	1	---	---	---	---	---
	432	139+21.4	51.8 ' LT	---	---	1	---	---	---	---	---
	433	139+41.2	19.4 ' RT	---	---	1	---	---	---	---	---
	434	139+46.5	22.8 ' RT	---	---	1	---	---	---	---	---
	435	140+86.5	15.2 ' RT	---	---	1	---	---	---	---	---
	436	140+88.1	15.5 ' RT	---	---	1	---	---	---	---	---
	437	142+32.8	19.9 ' RT	---	---	1	---	---	---	---	---
	438	145+31.5	6.9 ' RT	---	---	1	---	---	---	---	---
	439	145+39.2	19.4 ' RT	---	---	1	---	---	---	---	---
	440	145+49.4	11.5 ' RT	---	---	1	---	---	---	---	---
	441	145+69.4	26.5 ' LT	---	---	1	---	---	---	---	---
	442	145+78.6	49.8 ' RT	---	---	1	---	---	---	---	---
	443	146+61.1	22.8 ' RT	---	---	1	---	---	---	---	---
	444	148+01.2	13.1 ' RT	---	---	1	---	---	---	---	---
	445	148+03.0	12.9 ' RT	---	---	1	---	---	---	---	---
	446	150+57.4	20.2 ' LT	---	---	1	---	---	---	---	---
	447	151+00.7	7.6 ' LT	---	---	1	---	---	---	---	---
	448	152+41.8	46.1 ' LT	---	---	1	---	---	---	---	---
	449	152+29.1	22.4 ' RT	---	---	1	---	---	---	---	---
	450	152+57.3	20.4 ' RT	---	---	1	---	---	---	---	---
	451	152+60.8	29.1 ' RT	---	---	1	---	---	---	---	---
	452	153+95.3	4.5 ' RT	---	---	1	---	---	---	---	---
	453	155+46.1	62.1 ' RT	---	---	1	---	---	---	---	---
	454	155+54.5	77.3 ' RT	---	---	1	---	---	---	---	---
	455	155+62.0	48.4 ' RT	---	---	1	---	---	---	---	---
	456	155+65.1	50.5 ' RT	---	---	1	---	---	---	---	---
	457	156+56.9	18.2 ' LT	---	---	1	---	---	---	---	---
	458	158+86.4	28.0 ' RT	---	---	1	---	---	---	---	---
	459	159+05.5	52.4 ' RT	---	---	1	---	---	---	---	---
	460	159+04.4	50.1 ' LT	---	---	1	---	---	---	---	---
	461	159+31.2	25.9 ' RT	---	---	1	---	---	---	---	---
	462	159+34.7	19.5 ' RT	---	---	1	---	---	---	---	---
	463	165+66.5	52.3 ' LT	---	---	1	---	---	---	---	---
	464	165+69.3	24.4 ' LT	---	---	1	---	---	---	---	---
	465	165+57.4	69.1 ' RT	---	---	1	---	---	---	---	---
	466	165+63.5	50.5 ' RT	---	---	1	---	---	---	---	---
	467	165+89.3	23.3 ' RT	---	---	1	---	---	---	---	---
	468	165+92.6	20.1 ' RT	---	---	1	---	---	---	---	---
	469	166+35.4	14.8 ' LT	---	---	1	---	---	---	---	---
	470	169+69.0	21.4 ' RT	---	---	1	---	---	---	---	---
	471	171+89.2	17.7 ' RT	---	---	1	---	---	---	---	---
	472	172+16.9	23.9 ' LT	---	---	1	---	---	---	---	---
	473	172+23.4	50.8 ' LT	---	---	1	---	---	---	---	---
	474	172+24.5	2.5 ' LT	---	---	1	---	---	---	---	---
	475	172+48.5	25.5 ' RT	---	---	1	---	---	---	---	---
	476	174+53.1	49.4 ' RT	---	---	1	---	---	---	---	---
	477	177+13.2	25.7 ' RT	---	---	1	---	---	---	---	---
	478	176+08.2	33.2 ' LT	---	---	1	---	---	---	---	---
	479	177+27.7	51.4 ' LT	---	---	1	---	---	---	---	---
	480	177+28.1	9.2 ' LT	---	---	1	---	---	---	---	---
	481	177+50.6	19.6 ' RT	---	---	1	---	---	---	---	---
	482	180+92.2	21.2 ' RT	---	---	1	---	---	---	---	---
	SHEET TOTALS			0	0	62	0	0	0	0	0
											CON'T

** CATEGORY 0020

MISC. STORM SEWER (CON'T)

CATEGORY	STRUCT. NO.	STATION	STRUCTURE OFFSET		SPV.0060.130 STORM SEWER TAP EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.002** ADJUSTING WATER SERVICE BOXES EACH	SPV.0060.003** ADJUSTING WATER MANHOLES FRAME AND LID EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH	204.0280 SEALING PIPES EACH	SPV.0060.999** WATERMAIN PROTECTION EACH	611.0420 RECONSTRUCTING MANHOLES EACH
0010	483	185+05.4	19.3	'RT	---	---	1	---	---	---	---	---
CON'T	484	185+03.7	28.6	'RT	---	---	1	---	---	---	---	---
	485	185+15.1	22.0	'RT	---	---	1	---	---	---	---	---
	486	185+38.8	7.0	'LT	---	---	1	---	---	---	---	---
	487	185+29.7	45.9	'LT	---	---	1	---	---	---	---	---
	488	185+39.0	36.5	'LT	---	---	1	---	---	---	---	---
	489	185+71.9	36.4	'LT	---	---	1	---	---	---	---	---
	490	185+67.0	16.2	'RT	---	---	1	---	---	---	---	---
	491	185+70.8	33.5	'RT	---	---	1	---	---	---	---	---
	492	185+21.3	46.2	'RT	---	---	1	---	---	---	---	---
	493	185+20.6	49.1	'RT	---	---	1	---	---	---	---	---
	551	145+54.7	103.0	'LT	---	---	---	---	---	---	1	---
	716	139+87.2	0.1	'RT	2	---	---	---	2	---	---	---
	724	155+39.0	25.1	'RT	---	---	---	1	---	---	---	---
	730	172+18.2	19.2	'LT	---	---	---	1	---	---	---	---
	738	160+58.3	0.3	'RT	1	---	---	---	1	---	---	---
	800	119+52.6	7.7	'RT	---	---	---	1	---	---	---	---
	801	119+52.9	15.5	'RT	---	---	---	1	---	---	---	---
	802	145+28.7	4.4	'RT	---	---	---	1	---	---	---	---
	803	145+65.3	31.7	'LT	---	---	---	1	---	---	---	---
	804	145+69.2	21.3	'LT	---	---	---	1	---	---	---	---
	805	150+52.2	24.1	'LT	---	---	---	1	---	---	---	---
	806	150+64.3	24.3	'LT	---	---	---	1	---	---	---	---
	807	150+99.3	9.4	'RT	---	---	---	1	---	---	---	---
	808	153+95.3	8.8	'RT	---	---	---	1	---	---	---	---
	809	153+99.6	2.9	'LT	---	---	---	1	---	---	---	---
	810	154+03.3	8.8	'RT	---	---	---	1	---	---	---	---
	811	155+50.9	72.5	'RT	---	---	---	1	---	---	---	---
	812	156+46.6	22.0	'LT	---	---	---	1	---	---	---	---
	813	156+55.6	33.2	'LT	---	---	---	1	---	---	---	---
	814	156+60.3	22.0	'LT	---	---	---	1	---	---	---	---
	815	158+05.8	21.4	'LT	---	---	---	1	---	---	---	---
	816	158+97.2	19.6	'LT	---	---	---	1	---	---	---	---
	817	165+70.1	30.5	'LT	---	---	---	1	---	---	---	---
	818	165+70.8	18.6	'LT	---	---	---	1	---	---	---	---
	819	166+23.2	19.1	'LT	---	---	---	1	---	---	---	---
	820	166+30.5	3.1	'LT	---	---	---	1	---	---	---	---
	821	166+38.1	3.2	'LT	---	---	---	1	---	---	---	---
	822	172+08.2	32.1	'LT	---	---	---	1	---	---	---	---
	823	172+16.7	8.9	'LT	---	---	---	1	---	---	---	---
	824	172+23.8	8.7	'LT	---	---	---	1	---	---	---	---
	825	184+07.1	18.8	'LT	---	---	---	1	---	---	---	---
	940	105+98.8	63.8	'LT	2	---	---	---	2	---	---	---
	948	165+41.6	58.0	'LT	---	1	---	---	---	---	---	---
	949	165+69.9	58.0	'LT	---	1	---	---	---	---	---	---
	950	172+61.0	0.4	'RT	2	---	---	---	2	2	---	---
	SHEET TOTALS				7	2	11	28	7	2	1	0
	TOTALS				93	4	94	28	93	20	4	1

** CATEGORY 0020

TRAFFIC SIGNALS N. HUMBOLDT BLVD. & E. NORTH AVE.

SIGNAL BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0350 POLES TYPE 10 EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0530 MONOTUBE ARMS 30-FT EACH	657.0536 MONOTUBE ARMS 35-FT SPECIAL EACH	657.0541 MONOTUBE ARMS 40-FT SPECIAL EACH	SPV.0060.218 EVP 1 DIRECTION DETECTOR EACH	SPV.0060.223 EVP CONFIRMATION LIGHT EACH
SB1			1			1		1	1
SB2	1			1					
SB3			1				1	1	1
SB5		1			1			1	1
SB7			1				1	1	1
SB8	1			1					
SUBTOTAL	2	1	3	2	1	1	2	4	4

SIGNAL BASE NO.	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0120 CONCRETE BASE TYPE 10 SPECIAL EACH
SB1	105+55', 34' L			1
SB2	105+70', 54' L	1		
SB3	106+34', 62' L			1
SB5	106+54', 36' R		1	
SB7	105+55', 60' R			1
SB8	105+35' 37' R	1		
	SUBTOTAL	2	1	3

LOCATION	SPV.0060.201 INSTALL CITY PRECAST CONTROLLER BASE EACH	SPV.0060.205 ATC CONTROLLER AND CABINET INSTALLED EACH	SPV.0060.212 FIBER OPTIC PATCH PANEL EACH	SPV.0060.213 ETHERNET SWITCH EACH	SPV.0060.221 EVP PHASE SELECTOR CARD 4 CHANNEL EACH
105+46', 36'L	1	1	1	1	1
SUBTOTAL	1	1	1	1	1

	SPV.0060.225 VEHICULAR VIDEO DETECTION SYSTEM- 2 CAMERAS EACH
SUBTOTAL	1

SIGNAL HEAD NUMBER	SIGNAL BASE NUMBER	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	SPV.0060.267 PEDESTRIAN COUNTDOWN SIGNAL FACE 12-INCH EACH
1	SB6	1			
2	SB3	1			
3	SB3	1			
4	SB2		1		
5	SB3		1		
6	SB2	1			
7	SB7	1			
8	SB7	1			
9	SB6	1			
10	SB7	1			
11	SB8	1			
12	SB5	1			
13	SB5	1			
14	SB4	1			
15	SB5	1			
16	SB4	1			
17	SB1	1			
18	SB1	1			
19	SB8		1		
20	SB1		1		
21	SB1			1	1
22	SB4			1	1
23	SB3			1	1
24	SB6			1	1
25	SB5			1	1
26	SB8			1	1
27	SB7			1	1
28	SB2			1	1
	SUBTOTAL	16	4	8	8

All Items on this page are Category 0010

TRAFFIC SIGNALS N. HUMBOLDT BLVD. & E. NORTH AVE.

LOC.	TO	LOC.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
CB1	TO	PB1		20		
PB1	TO	SB1		5		
PB1	TO	PB2		30		
PB2	TO	SB2	5			
PB2	TO	PB4				140
PB4	TO	PB3		10		
PB3	TO	SB3		5		
PB4	TO	SB4	10			
PB4	TO	PB5			160	
PB5	TO	SB5		5		
PB5	TO	PB6		35		
PB6	TO	SB6	5			
PB6	TO	PB7				145
PB7	TO	SB7		5		
PB7	TO	PB8		45		
PB8	TO	SB8	5			
PB7	TO	PB1				175
		SUBTOTAL	25	160	160	460

SUMMARY OF MAJOR ITEMS FOR TRAFFIC SIGNAL CABLING

	DESCRIPITON	L.F
655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	925
655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	530
655.0280	CABLE TRAFFIC SIGNAL 19-14-AWG	510
655.0305	CABLE TYPE UF 2-12 AWG GROUNDED	690
655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	675
655.0900	TRAFFIC SIGNAL EVP DETECTOR CABLE	690
SPV.0090.201	INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT CONTRACTOR SUPPLIED	380
SPV.0090.307	ELECTRICAL CABLE TYPE 3#4/1#8 LTP	15

PULL BOX NO.	LOCATION	SPV.0060.303 PULLBOXES 17-INCHX30-INCHX24-INCH EACH
PB1	105+60', 34' L	1
PB2	105+72', 49' L	1
PB3	106+36', 55' L	1
PB4	106+45', 45' L	1
PB5	106+45', 36' R	1
PB6	106+32', 53' R	1
PB7	105+56', 55' R	1
PB8	105+40. 36'R	1
	SUBTOTAL	8

SIGNAL BASE NO.	LOCATION	204.0195 REMOVING CONCRETE BASES EACH
SB2	105+70', 47' L	1
SB4	106+36', 34' L	1
	SUBTOTAL	2

LOCATION	SPV.0060.215 ELECTRICAL SERVICE PEDESTAL EACH
105+42', 37' L	1
SUBTOTAL	1

	658.5069 SIGNAL MOUNTING HARDWARE EACH
	1
NORTH	1

All Items on this page are Category 0010

TRAFFIC SIGNALS N. HUMBOLDT BLVD. & E. WRIGHT ST.

SIGNAL BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0536 MONOTUBE ARMS 35-FT SPECIAL EACH	SPV.0060.218 EVP 1 DIRECTION DETECTOR EACH	SPV.0060.223 EVP CONFIRMATION LIGHT EACH	SPV.0060.268 VOICE INSTRUCTION AUDIBLE PUSHBUTTON EACH
SB1	1		1				1
SB2							1
SB3		1		1	1	1	1
SB4	1		1		1	1	1
SB6	1		1				1
SB7							1
SB8		1		1	1	1	1
SB9	1		1		1	1	1
SUBTOTAL	4	2	4	2	4	4	8

SIGNAL BASE NO.	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH
SB1	119+43', 46' L	1	
SB3	119+59', 36' R		1
SB4	119+42', 46' R	1	
SB6	119+02', 46' R	1	
SB8	118+85', 36' L		1
SB9	119+02', 45' L	1	
	SUBTOTAL	4	2

LOCATION	SPV.0060.201 INSTALL CITY PRECAST CONTROLLER BASE EACH	SPV.0060.205 ATC CONTROLLER AND CABINET INSTALLED EACH	SPV.0060.212 FIBER OPTIC PATCH PANEL EACH	SPV.0060.213 ETHERNET SWITCH EACH	SPV.0060.221 EVP PHASE SELECTOR CARD 4 CHANNEL EACH	SPV.0060.269 VOICE INSTRUCTION AUDIBLE CONTROL UNIT EACH
119+42', 67' L	1	1	1	1	1	1
SUBTOTAL	1	1	1	1	1	1

SIGNAL HEAD NUMBER	SIGNAL BASE NUMBER	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	SPV.0060.267 PEDESTRIAN COUNTDOWN SIGNAL FACE 12-INCH EACH
1	SB4	1		
2	SB9	1		
3	SB1	1		
4	SB9	1		
5	SB4	1		
6	SB6	1		
7	SB7	1		
8	SB3	1		
9	SB3	1		
10	SB2	1		
11	SB3	1		
12	SB2	1		
13	SB8	1		
14	SB8	1		
15	SB7	1		
16	SB8	1		
17	SB8		1	1
18	SB2		1	1
19	SB1		1	1
20	SB4		1	1
21	SB3		1	1
22	SB7		1	1
23	SB6		1	1
24	SB9		1	1
	SUBTOTAL	16	8	8

All Items on this page are Category 0010

TRAFFIC SIGNALS N. HUMBOLDT BLVD. & E. WRIGHT ST.

LOC.	TO	LOC.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
CB1	TO	METER	5			
CB1	TO	PB1		15		
PB1	TO	SB1	10			
PB1	TO	PB2		60		
PB2	TO	SB2	5			
PB2	TO	PB3			130	
PB3	TO	SB3		5		
PB3	TO	PB4		70		
PB4	TO	SB4	10			
PB4	TO	SB5	5			
PB4	TO	PB5				70
PB5	TO	SB6	10			
PB5	TO	PB6		70		
PB6	TO	SB7	5			
PB6	TO	PB7			135	
PB7	TO	SB8		5		
PB7	TO	PB8		75		
PB8	TO	SB9	10			
PB8	TO	PB1				70
PB1	TO	SB10	5			
		SUBTOTAL	65	300	265	140

SUMMARY OF MAJOR ITEMS FOR TRAFFIC SIGNAL CABLING

	DESCRIPITON	L.F
655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	600
655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	735
655.0280	CABLE TRAFFIC SIGNAL 19-14-AWG	250
655.0305	CABLE TYPE UF 2-12 AWG GROUNDED	645
655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	645
655.0900	TRAFFIC SIGNAL EVP DETECTOR CABLE	645
SPV.0090.201	INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT CONTRACTOR SUPPLIED	1510
SPV.0090.307	ELECTRICAL CABLE TYPE 3#4/1#8 LTP	25

	658.5069 SIGNAL MOUNTING HARDWARE EACH
	1
WRIGHT	1

	SPV.0060.225 VEHICULAR VIDEO DETECTION SYSTEM- 2 CAMERAS EACH
SUBTOTAL	1

PULL BOX NO.	LOCATION	SPV.0060.303 PULLBOXES 17-INCHX30-INCHX24-INCH EACH
PB1	119+42', 56' L	1
PB2	119+59', 33' L	1
PB3	119+62', 35" R	1
PB4	119+39', 56' R	1
PB5	119+04', 56' R	1
PB6	118+82', 35' R	1
PB7	118+82', 33' L	1
PB8	119+05', 57' L	1
	SUBTOTAL	8

SIGNAL BASE NO.	LOCATION	204.0195 REMOVING CONCRETE BASES EACH
SB1	119+42', 47' L	1
SB2A	119+51', 36' L	1
SB2B	119+56', 32' L	1
SB2C	119+50', 01'R	1
SB3A	119+53', 33' R	1
SB3B	119+49', 37' R	1
SB4A	119+40', 46' R	1
SB4B	119+40', 50' R	1
SB6A	119+03', 47' R	1
SB6B	119+01', 46' R	1
SB7A	118+95', 37' R	1
SB7B	118+93', 33' R	1
SB7C	118+96', 02' R	1
SB8A	118+90', 32' L	1
SB8B	118+94', 34' L	1
SB9	119+04', 46' L	1
	SUBTOTAL	16

LOCATION	SPV.0060.215 ELECTRICAL SERVICE PEDESTAL EACH
119+43', 76' L	1
SUBTOTAL	1

All Items on this page are Category 0010

TRAFFIC SIGNALS E. CENTER ST. & N. HUMBOLDT BLVD.

SIGNAL BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0350 POLES TYPE 10 EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STADARDS ALUMINUM 15-FT EACH	657.0525 MONOTUBE ARMS 25-FT EACH	657.0536 MONOTUBE ARMS 35-FT SPECIAL EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.218 EVP 1 DIRECTION DETECTOR EACH	SPV.0060.223 EVP CONFIRMATION LIGHT EACH
SB1		1	1									
SB3	1					1				1		
SB4					1				1	1	1	1
SB5	1						1				1	1
SB6	1						1					
SB8				1				1			1	1
SUBTOTAL	3	1	1	1	1	1	2	1	1	2	3	3

SIGNAL BASE NO.	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH
SB1	132+20', 60' L		1		
SB3	133+00', 36' L	1			
SB4	133+01', 35' R				1
SB5	132+42', 48' R	1			
SB6	132+16', 48' R	1			
SB8	132+02', 36' L			1	
	SUBTOTAL	3	1	1	1

LOCATION	SPV.0060.201 INSTALL CITY PRECAST CONTROLLER BASE EACH	SPV.0060.205 ATC CONTROLLER AND CABINET INSTALLED EACH	SPV.0060.212 FIBER OPTIC PATCH PANEL EACH	SPV.0060.213 ETHERNET SWITCH EACH	SPV.0060.221 EVP PHASE SELECTOR CARD 4 CHANNEL EACH
131+98', 47' L	1	1	1	1	1
SUBTOTAL	1	1	1	1	1

SIGNAL HEAD NUMBER	SIGNAL BASE NUMBER	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	SPV.0060.267 PEDESTRIAN COUNTDOWN SIGNAL FACE 12-INCH EACH
1	SB5	1			
2	SB1	1			
3	SB2	1			
4	SB1	1			
5	SB5		1		
6	SB6		1		
7	SB7	1			
8	SB4	1			
9	SB4	1			
10	SB3	1			
11	SB4	1			
12	SB3	1			
13	SB8	1			
14	SB8	1			
15	SB8			1	1
16	SB3			1	1
17	SB2			1	1
18	SB4			1	1
19	SB5			1	1
20	SB6			1	1
21	SB7			1	1
22	SB1			1	1
	SUBTOTAL	12	2	8	8

All Items on this page are Category 0010

TRAFFIC SIGNALS E. CENTER ST. & N. HUMBOLDT BLVD.

LOC.	TO	LOC.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF
CB1	TO	PB8		25	
PB8	TO	SB8		5	
PB8	TO	PB1		110	
PB1	TO	SB1	10		
PB1	TO	PB2			100
PB2	TO	SB2	10		
PB2	TO	PB3		110	
PB3	TO	SB3	5		
PB3	TO	PB4			60
PB4	TO	PB5			70
PB5	TO	SB4		10	
PB5	TO	PB6			85
PB6	TO	SB5	15		
PB6	TO	PB7			50
PB7	TO	SB6	15		
PB7	TO	METER	20		
PB7	TO	SB7	10		
PB7	TO	PB8			135
		SUBTOTAL	85	260	500

SUMMARY OF MAJOR ITEMS FOR TRAFFIC SIGNAL CABLING

	DESCRIPITON	L.F
655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	550
655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	685
655.0280	CABLE TRAFFIC SIGNAL 19-14-AWG	405
655.0305	CABLE TYPE UF 2-12 AWG GROUNDED	515
655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	690
655.0900	TRAFFIC SIGNAL EVP DETECTOR CABLE	515
SPV.0090.201	INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT CONTRACTOR SUPPLIED	1435
SPV.0090.307	ELECTRICAL CABLE TYPE 3#4/1#8 LTP	120

	658.5069 SIGNAL MOUNTING HARDWARE EACH
CENTER	1

	SPV.0060.224 VEHICULAR VIDEO DETECTION SYSTEM- 1 CAMERA EACH
SUBTOTAL	1

PULL BOX NO.	LOCATION	SPV.0060.303 PULLBOXES 17-INCHX30-INCHX24-INCH EACH
PB1	132+21', 72' L	1
PB2	132+73', 71' L	1
PB3	133+04', 33' L	1
PB4	133+02', 01' L	1
PB5	132+91', 35' R	1
PB6	132+43', 35' R	1
PB7	132+14', 35' R	1
PB8	131+98', 34' L	1
	SUBTOTAL	8

SIGNAL BASE NO.	LOCATION	204.0195 REMOVING CONCRETE BASES EACH
SB1	132+20', 46' L	1
SB3	132+98', 35' L	1
SB4	132+85', 36' R	1
SB5	132+43', 47' R	1
SB6	132+18', 48' R	1
SB7	132+09', 32' R	1
SB8	132+03', 32' L	1
	SUBTOTAL	7

LOCATION	SPV.0060.215 ELECTRICAL SERVICE PEDESTAL EACH
132+18', 53' R	1
SUBTOTAL	1

All Items on this page are Category 0010

TRAFFIC SIGNALS N. HUMBOLDT BLVD. & E. LOCUST ST.

SIGNAL BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0350 POLES TYPE 10 EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STADARDS ALUMINUM 15-FT EACH	657.0530 MONOTUBE ARMS 30-FT EACH	657.0536 MONOTUBE ARMS 35-FT SPECIAL EACH	657.0541 MONOTUBE ARMS 40-FT SPECIAL EACH	SPV.0060.218 EVP 1 DIRECTION DETECTOR EACH	SPV.0060.223 EVP CONFIRMATION LIGHT EACH	SPV.0060.228 ELECTRICAL RISER EACH
SB2			1				1		1	1	
SB3	1				1						
SB4		1				1			1	1	
SB5	1			1							
SB6			1					1	1	1	
SB7											1
SB8		1				1			1	1	
SUBTOTAL	2	2	2	1	1	2	1	1	4	4	1

SIGNAL BASE NO.	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.011 CONCRETE BASES TYPE 10 EACH	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH
SB2	145+27', 37' L			1
SB3	145+51', 64' L	1		
SB4	145+94', 64' L		1	
SB5	146+35', 36' L	1		
SB6	146+45', 37' R			1
SB8	145+51', 60' R		1	
	SUBTOTAL	2	2	2

LOCATION	SPV.0060.201 INSTALL CITY PRECAST CONTROLLER BASE EACH	SPV.0060.205 ATC CONTROLLER AND CABINET INSTALLED EACH	SPV.0060.212 FIBER OPTIC PATCH PANEL EACH	SPV.0060.213 ETHERNET SWITCH EACH	SPV.0060.221 EVP PHASE SELECTOR CARD 4 CHANNEL EACH
144+96', 46' R	1	1	1	1	1
SUBTOTAL	1	1	1	1	1

	SPV.0060.225 VEHICULAR VIDEO DETECTION SYSTEM-2 CAMERAS EACH
SUBTOTAL	1

SIGNAL HEAD NUMBER	SIGNAL BASE NUMBER	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	SPV.0060.267 PEDESTRIAN COUNTDOWN SIGNAL FACE 12-INCH EACH
1	SB7	1			
2	SB4	1			
3	SB4	1			
4	SB3		1		
5	SB4		1		
6	SB3	1			
7	SB8	1			
8	SB8	1			
9	SB7	1			
10	SB8	1			
11	SB1	1			
12	SB6	1			
13	SB6	1			
14	SB5	1			
15	SB6	1			
16	SB5	1			
17	SB2	1			
18	SB2	1			
19	SB1		1		
20	SB2		1		
21	SB2			1	1
22	SB5			1	1
23	SB4			1	1
24	SB7			1	1
25	SB6			1	1
26	SB1			1	1
27	SB8			1	1
28	SB3			1	1
	SUBTOTAL	16	4	8	8

All Items on this page are Category 0010

TRAFFIC SIGNALS N. HUMBOLDT BLVD. & E. LOCUST ST.

LOC.	TO	LOC.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
CB1	TO	PB1		50		
CB1	TO	BIKE RACK	40			
PB1	TO	SB1	5			
PB1	TO	PB2			150	
PB2	TO	SB2		5		
PB2	TO	PB3		80		
PB3	TO	SB3	5			
PB3	TO	PB4				90
PB4	TO	SB4		5		
PB4	TO	PB5		105		
PB5	TO	SB5	5			
PB5	TO	PB6			140	
PB6	TO	SB6		5		
PB6	TO	PB7		60		
PB7	TO	SB7	5			
PB7	TO	METER	5			
PB7	TO	PB8			130	130
PB8	TO	SB8		5		
PB8	TO	PB1			65	
		SUBTOTAL	65	315	485	220

SUMMARY OF MAJOR ITEMS FOR TRAFFIC SIGNAL CABLING

	DESCRIPITON	L.F
655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	825
655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	660
655.0280	CABLE TRAFFIC SIGNAL 19-14-AWG	605
655.0305	CABLE TYPE UF 2-12 AWG GROUNDED	865
655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	730
655.0900	TRAFFIC SIGNAL EVP DETECTOR CABLE	805
SPV.0090.201	INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT CONTRACTOR SUPPLIED	1875
SPV.0090.307	ELECTRICAL CABLE TYPE 3#4/1#8 LTP	165

PULL BOX NO.	LOCATION	SPV.0060.303 PULLBOXES 17-INCHX30-INCHX24-INCH EACH
PB1	145+25', 40' R	1
PB2	145+23', 36' L	1
PB3	145+51', 60' L	1
PB4	145+94', 61' L	1
PB5	146+32', 36' L	1
PB6	146+36', 37' R	1
PB7	146+18' 57' R	1
PB8	145+51', 57' R	1
	SUBTOTAL	8

SIGNAL BASE NO.	LOCATION	204.0195 REMOVING CONCRETE BASES EACH
SB3	145+51', 60' L	1
	SUBTOTAL	1

LOCATION	SPV.0060.215 ELECTRICAL SERVICE PEDESTAL EACH
146+21', 60' R	1
SUBTOTAL	1

	658.5069 SIGNAL MOUNTING HARDWARE EACH
	1
LOCUST	1

All Items on this page are Category 0010

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 406	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

TRAFFIC SIGNALS E. BURLEIGH ST. & N. HUMBOLDT BLVD.

SIGNAL BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES 11 1/2-INCH BOLT CIRCLE EACH	657.0305 POLES TYPE 2 EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0536 MONOTUBE ARMS 35-FT SPECIAL EACH	SPV.0060.218 EVP 1 DIRECTION DETECTOR EACH	SPV.0060.223 EVP CONFIRMATION LIGHT EACH	SPV.0060.268 VOICE INSTRUCTION AUDIBLE PUSHBUTTON EACH
SB1	1					1		1	1	1
SB2		1	1							1
SB3										1
SB4				1			1	1	1	1
SB5	1					1		1	1	1
SB7	1					1				1
SB8										1
SB9				1			1	1	1	
SB10	1				1					1
SUBTOTAL	4	1	1	2	1	3	2	4	4	8

SIGNAL BASE NO.	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH
SB1	159+17', 45' R	1		
SB2	158+74', 47' R		1	
SB4	158+57', 35' L			1
SB5	158+73', 50' L	1		
SB7	159+18', 50' L	1		
SB9	159+35', 36' R			1
SB10	159+30', 45' R	1		
	SUBTOTAL	4	1	2

LOCATION	SPV.0060.201 INSTALL CITY PRECAST CONTROLLER BASE EACH	SPV.0060.205 ATC CONTROLLER AND CABINET INSTALLED EACH	SPV.0060.212 FIBER OPTIC PATCH PANEL EACH	SPV.0060.213 ETHERNET SWITCH EACH	SPV.0060.221 EVP PHASE SELECTOR CARD 4 CHANNEL EACH	SPV.0060.269 VOICE INSTRUCTION AUDIBLE CONTROL UNIT EACH
159+13', 57' R	1	1	1	1	1	1
SUBTOTAL	1	1	1	1	1	1

		SPV.0060.225 VEHICULAR VIDEO DETECTION SYSTEM-2 CAMERAS EACH
	SUBTOTAL	1

SIGNAL HEAD NUMBER	SIGNAL BASE NUMBER	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	SPV.0060.267 PEDESTRIAN COUNTDOWN SIGNAL FACE 12-INCH EACH
1	SB1	1		
2	SB5	1		
3	SB7	1		
4	SB5	1		
5	SB1	1		
6	SB2	1		
7	SB3	1		
8	SB9	1		
9	SB9	1		
10	SB8	1		
11	SB9	1		
12	SB8	1		
13	SB4	1		
14	SB4	1		
15	SB3	1		
16	SB4	1		
17	SB4		1	1
18	SB8		1	1
19	SB7		1	1
20	SB1		1	1
21	SB9		1	1
22	SB3		1	1
23	SB2		1	1
24	SB5		1	1
	SUBTOTAL	16	8	8

All Items on this page are Category 0010

TRAFFIC SIGNALS E. BURLEIGH ST. & N. HUMBOLDT BLVD.

LOC.	TO	LOC.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
CB1	TO	METER	25			
CB1	TO	PB1		10		
PB1	TO	SB1	5			
PB1	TO	PB2			70	
PB2	TO	SB2	5			
PB2	TO	PB3		80		
PB3	TO	SB3	15			
PB3	TO	PB4			140	
PB4	TO	SB4		10		
PB4	TO	PB5		80		
PB5	TO	SB5	10			
PB5	TO	PB6				85
PB6	TO	SB6	5			
PB6	TO	SB7	5			
PB6	TO	PB7		60		
PB7	TO	SB8	5			
PB7	TO	PB8			160	
PB8	TO	SB9		15		
PB8	TO	SB10	5			
PB8	TO	PB1		30		
		SUBTOTAL	80	285	370	85

SUMMARY OF MAJOR ITEMS FOR TRAFFIC SIGNAL CABLING

	DESCRIPITON	L.F
655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	605
655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	825
655.0280	CABLE TRAFFIC SIGNAL 19-14-AWG	255
655.0305	CABLE TYPE UF 2-12 AWG GROUNDED	680
655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	705
655.0900	TRAFFIC SIGNAL EVP DETECTOR CABLE	680
SPV.0090.201	INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT CONTRACTOR SUPPLIED	1440
SPV.0090.307	ELECTRICAL CABLE TYPE 3#4/1#8 LTP	50

PULL BOX NO.	LOCATION	SPV.0060.303 PULLBOXES 17-INCHX30-INCHX24-INCH EACH
PB1	159+13', 47' R	1
PB2	158+77', 47' R	1
PB3	158+44', 35' R	1
PB4	158+49', 34' L	1
PB5	158+74', 60' L	1
PB6	159+18', 57' L	1
PB7	159+36', 35' L	1
PB8	159+25', 45' R	1
	SUBTOTAL	8

SIGNAL BASE NO.	LOCATION	204.0195 REMOVING CONCRETE BASES EACH
SB1	159+13', 47' R	1
SB2	158+77', 47' R	1
SB3A	158+66', 34' R	1
SB3B	158+62', 01' L	1
SB4	158+64', 34' L	1
SB5A	158+74', 45' L	1
SB5B	158+74', 51' L	1
SB7	159+18', 45' L	1
SB8A	159+28', 34' L	1
SB8B	159+28', 01' L	1
SB9	159+25', 34' R	1
	SUBTOTAL	11

LOCATION	SPV.0060.215 ELECTRICAL SERVICE PEDESTAL EACH
159+12', 85' R	1
SUBTOTAL	1

	658.5069 SIGNAL MOUNTING HARDWARE EACH
	1
BURLEIGH	1

All Items on this page are Category 0010

TRAFFIC SIGNALS N. HUMBOLDT BLVD. & E. KEEFE AVE.

SIGNAL BASE NUMBER	657.0100 PEDESTAL BASES EACH	657.0352 POLES TYPE 10-SPECIAL EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0536 MONOTUBE ARMS 35-FT SPECIAL EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	SPV.0060.218 EVP 1 DIRECTION DETECTOR EACH	SPV.0060.223 EVP CONFIRMATION LIGHT EACH
SB1	1		1				
SB2						1	1
SB3					1		
SB4		1		1	1	1	1
SB5	1		1				
SB6						1	1
SB7					1		
SB8		1		1	1	1	1
SUBTOTAL	2	2	2	2	4	4	4

SIGNAL BASE NO.	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH
SB1	185+60', 50' R	1	
SB4	185+02', 35' L		1
SB5	185+17', 52' L	1	
SB8	185+75', 35' R		1
	SUBTOTAL	2	2

LOCATION	SPV.0060.201 INSTALL CITY PRECAST CONTROLLER BASE EACH	SPV.0060.205 ATC CONTROLLER AND CABINET INSTALLED EACH	SPV.0060.212 FIBER OPTIC PATCH PANEL EACH	SPV.0060.213 ETHERNET SWITCH EACH	SPV.0060.221 EVP PHASE SELECTOR CARD 4 CHANNEL EACH
185+58', 59' R	1	1	1	1	1
SUBTOTAL	1	1	1	1	1

SIGNAL HEAD NUMBER	SIGNAL BASE NUMBER	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH EACH	SPV.0060.267 PEDESTRIAN COUNTDOWN SIGNAL FACE 12-INCH EACH
1	SB1	1		
2	SB5	1		
3	SB6	1		
4	SB5	1		
5	SB1	1		
6	SB2	1		
7	SB3	1		
8	SB8	1		
9	SB8	1		
10	SB7	1		
11	SB8	1		
12	SB7	1		
13	SB4	1		
14	SB4	1		
15	SB3	1		
16	SB4	1		
17	SB4		1	1
18	SB7		1	1
19	SB6		1	1
20	SB1		1	1
21	SB8		1	1
22	SB3		1	1
23	SB2		1	1
24	SB5		1	1
	SUBTOTAL	16	8	8

All Items on this page are Category 0010

TRAFFIC SIGNALS N. HUMBOLDT BLVD. & E. KEEFE AVE.

LOC.	TO	LOC.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	652.0615 CONDUIT SPECIAL 3-INCH LF
CB1	TO	PB1		5		
PB1	TO	SB1	5			
PB1	TO	PB2				70
PB2	TO	SB2	5			
PB2	TO	PB3		85		
PB3	TO	SB3	10			
PB3	TO	PB4			75	
PB4	TO	PB5			55	
PB5	TO	SB4		5		
PB5	TO	PB6		70		
PB6	TO	SB5	5			
PB6	TO	PB7			85	
PB7	TO	SB6	5			
PB7	TO	PB8		80		
PB8	TO	SB7	10			
PB8	TO	PB9			80	
PB9	TO	PB10			50	
PB10	TO	SB8		10		
PB10	TO	PB1		80		
		SUBTOTAL	40	335	345	70

SUMMARY OF MAJOR ITEMS FOR TRAFFIC SIGNAL CABLING

	DESCRIPITON	L.F
655.0230	CABLE TRAFFIC SIGNAL 5-14 AWG	600
655.0260	CABLE TRAFFIC SIGNAL 12-14 AWG	780
655.0280	CABLE TRAFFIC SIGNAL 19-14-AWG	280
655.0305	CABLE TYPE UF 2-12 AWG GROUNDED	675
655.0515	ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	680
655.0900	TRAFFIC SIGNAL EVP DETECTOR CABLE	675
SPV.0090.201	INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT CONTRACTOR SUPPLIED	2860
SPV.0090.307	ELECTRICAL CABLE TYPE 3#4/1#8 LTP	15

LOCATION	SPV.0060.215 ELECTRICAL SERVICE PEDESTAL EACH
185+60', 54' R	1
SUBTOTAL	1

	658.5069 SIGNAL MOUNTING HARDWARE EACH
	1
SUBTOTAL	1

PULL BOX NO.	LOCATION	SPV.0060.303 PULLBOXES 17-INCHX30-INCHX24-INCH EACH
PB1	185+56', 51' R	1
PB2	185+23', 59' R	1
PB3	184+95', 34' R	1
PB4	184+93', 05' L	1
PB5	184+95', 34' L	1
PB6	185+18', 56' L	1
PB7	185+62', 59' L	1
PB8	185+83', 34' L	1
PB9	185+85', 05' R	1
PB10	185+84', 33' R	1
	SUBTOTAL	10

SIGNAL BASE NO.	LOCATION	204.0195 REMOVING CONCRETE BASES EACH
SB1	185+58', 46' R	1
SB4	185+10', 05' L	1
SB5	185+17', 46' L	1
SB6	185+63', 51' L	1
SB8	185+70', 05' R	1
	SUBTOTAL	5

PULL BOX NO.	LOCATION	653.0905 REMOVING PULLBOXES EACH
PB6	185+18', 53' L	1
PB7	185+62', 56' L	1
	SUBTOTAL	2

	SPV.0060.225 VEHICULAR VIDEO DETECTION SYSTEM- 2 CAMERAS EACH
SUBTOTAL	1

All Items on this page are Category 0010

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TRAFFIC SIGNALS TOTALS

204.0195 REMOVING CONCRETE BASES	653.0905 REMOVING PULLBOXES	654.0101 CONCRETE BASES TYPE 1	654.0102 CONCRETE BASES TYPE 2	654.0110 CONCRETE BASES TYPE 10	654.0120 CONCRETE BASES TYPE 10 SPECIAL	657.0100 PEDESTAL BASES	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	657.0305 POLES TYPE 2	657.0350 POLES TYPE 10	657.0352 POLES TYPE 10 SPECIAL	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT
EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
42	2	17	2	4	12	17	2	2	4	12	1	11	5

657.0525 MONOTUBE ARMS 25-FT	657.0530 MONOTUBE ARMS 30-FT	657.0536 MONOTUBE ARMS 35-FT SPECIAL	657.0541 MONOTUBE ARMS 40-FT SPECIAL	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH	658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH	658.0412 PEDESTRIAN SIGNAL FACE 12-INCH	658.0500 PEDESTRIAN PUSH BUTTONS	658.5069 SIGNAL MOUNTING HARDWARE
EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
1	3	9	3	92	8	2	48	6	6

SPV.0060.201 INSTALL CITY PRECAST CONTROLLER BASE	SPV.0060.205 ATC CONTROLLER AND CABINET INSTALLED	SPV.0060.212 FIBER OPTIC PATCH PANEL	SPV.0060.213 ETHERNET SWITCH	SPV.0060.215 ELECTRICAL SERVICE PEDESTAL	SPV.0060.218 EVP 1 DIRECTION DETECTOR	SPV.0060.221 EVP PHASE SELECTOR CARD 4 CHANNEL	SPV.0060.223 EVP CONFIRMATION LIGHT	SPV.0060.224 VEHICULAR VIDEO DETECTION SYSTEM- 1 CAMERA	SPV.0060.225 VEHICULAR VIDEO DETECTION SYSTEM- 2 CAMERAS	SPV.0060.228 ELECTRICAL RISER	SPV.0060.267 PEDESTRIAN COUNTDOWN SIGNAL FACE 12-INCH	SPV.0060.268 VOICE INSTRUCTION AUDIBLE PUSHBUTTON	SPV.0060.269 VOICE INSTRUCTION AUDIBLE CONTROL UNIT	SPV.0060.303 PULLBOXES 17"X30"X24"
EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
6	6	6	6	6	23	6	23	1	5	1	48	16	2	50

652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0335* CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH	652.0615* CONDUIT SPECIAL 3-INCH	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG	655.0280 CABLE TRAFFIC SIGNAL 19-14 AWG	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE	SPV.0090.201 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT CONTRACTOR SUPPLIED	SPV.0090.307 ELECTRICAL CABLE TYPE 3 #4/1#8 LTP
LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
360	1655	2125	975	4105	4215	2305	4070	4125	4010	9500	390

*NOTE: ADDITIONAL QUANTITIES SHOWN ELSEWHERE

All Items on this page are Category 0010

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 1	106+48.80	34.3 RT	HYD., (NW BOLT) NE CORNER N. HUMBOLDT BLVD. & E. NORTH AVE.	83.94
BM 2	109+47.72	54.85 RT	HYD., (NW BOLT) NE CORNER N. HUMBOLDT BLVD. & E. WALWORTH ST.	93.85

N

REMOVE C.E.
STA. 106+65

STA 107+53
CONSTRUCT C.E.

*2249 N. HUMBOLDT AVE.

*1030 E. NORTH AVE.
BP GAS STATION

*2321 N. HUMBOLDT BLVD.

*2325 N. HUMBOLDT BLVD.

*2329 N. HUMBOLDT BLVD.

*2331 N. HUMBOLDT BLVD.

*2335 N. HUMBOLDT BLVD.

*2339 N. HUMBOLDT BLVD.

*2345 N. HUMBOLDT BLVD.

*2351 N. HUMBOLDT BLVD.

R/W

TELCOM

WINDSTREAM

CAUTION

WE GAS

COMM AT&T

N. HUMBOLDT BOULEVARD

MILWAUKEE SEWER

STA. 105+91.98 =
STA. 10+00.00 AE

STA. 105+99.77 =
STA. 10+00.00 AW

STA. 109+30.51 =
STA. 10+00.00 B

MATCHLINE STA. 110+50

BEGIN CONSTRUCTION
STA. 105+26.93

BES

BEGIN PROJECT
STA. 106+18.60

TRACK ZONE

MILWAUKEE WATER WORKS

BM 1

BM 2

WE ELECTRIC

MIDWEST FIBER NETWORKS

*1121 E. NORTH AVE.

E. NORTH AVENUE

*2306 N. HUMBOLDT BLVD.

END CONSTRUCTION
STA. 10+75.00 B

E. WALWORTH STREET

*2316-20 N. HUMBOLDT BLVD.

*2324 N. HUMBOLDT BLVD.

*2326 N. HUMBOLDT BLVD.

*2334 N. HUMBOLDT BLVD.

*2344-46 N. HUMBOLDT BLVD.

*2348 N. HUMBOLDT BLVD.

*2352-23 N. HUMBOL BLVD.

REMOVE C.E.
STA. 107+43

STA 107+70
CONSTRUCT P.E.

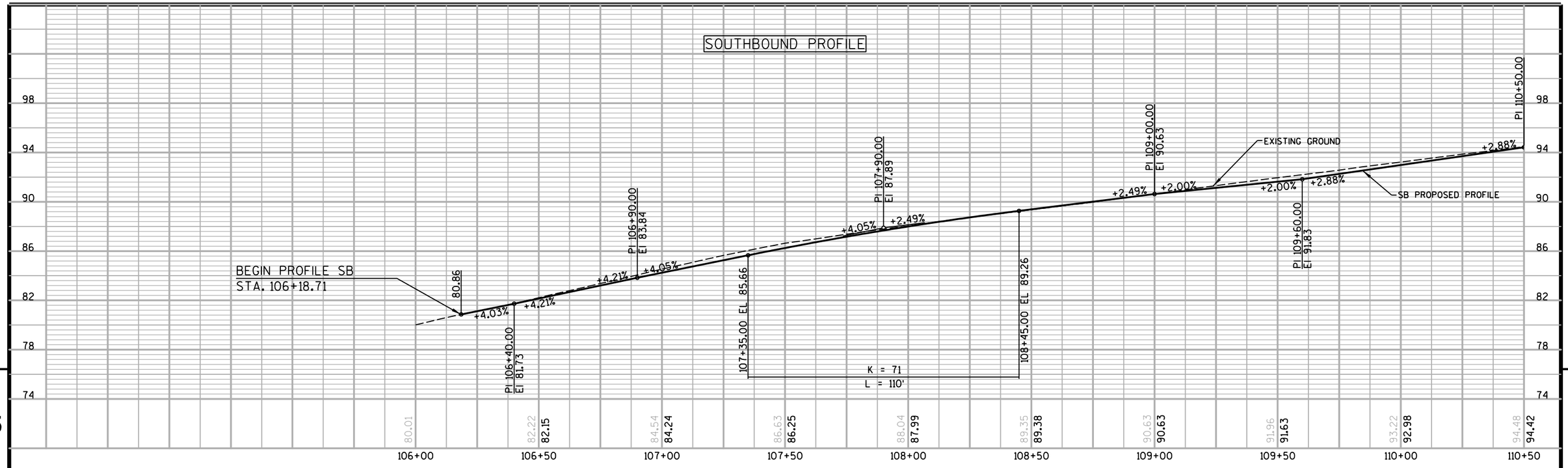
STA 108+19
CONSTRUCT P.E.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 412	E

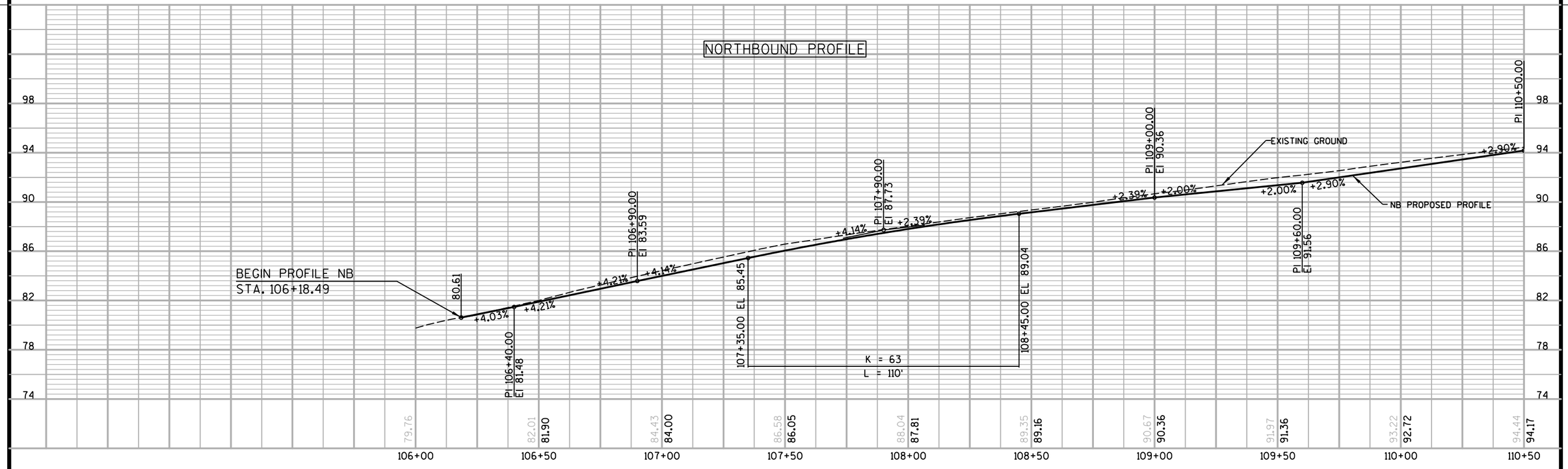
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WISDOT/CADDS SHEET 44

SOUTHBOUND PROFILE

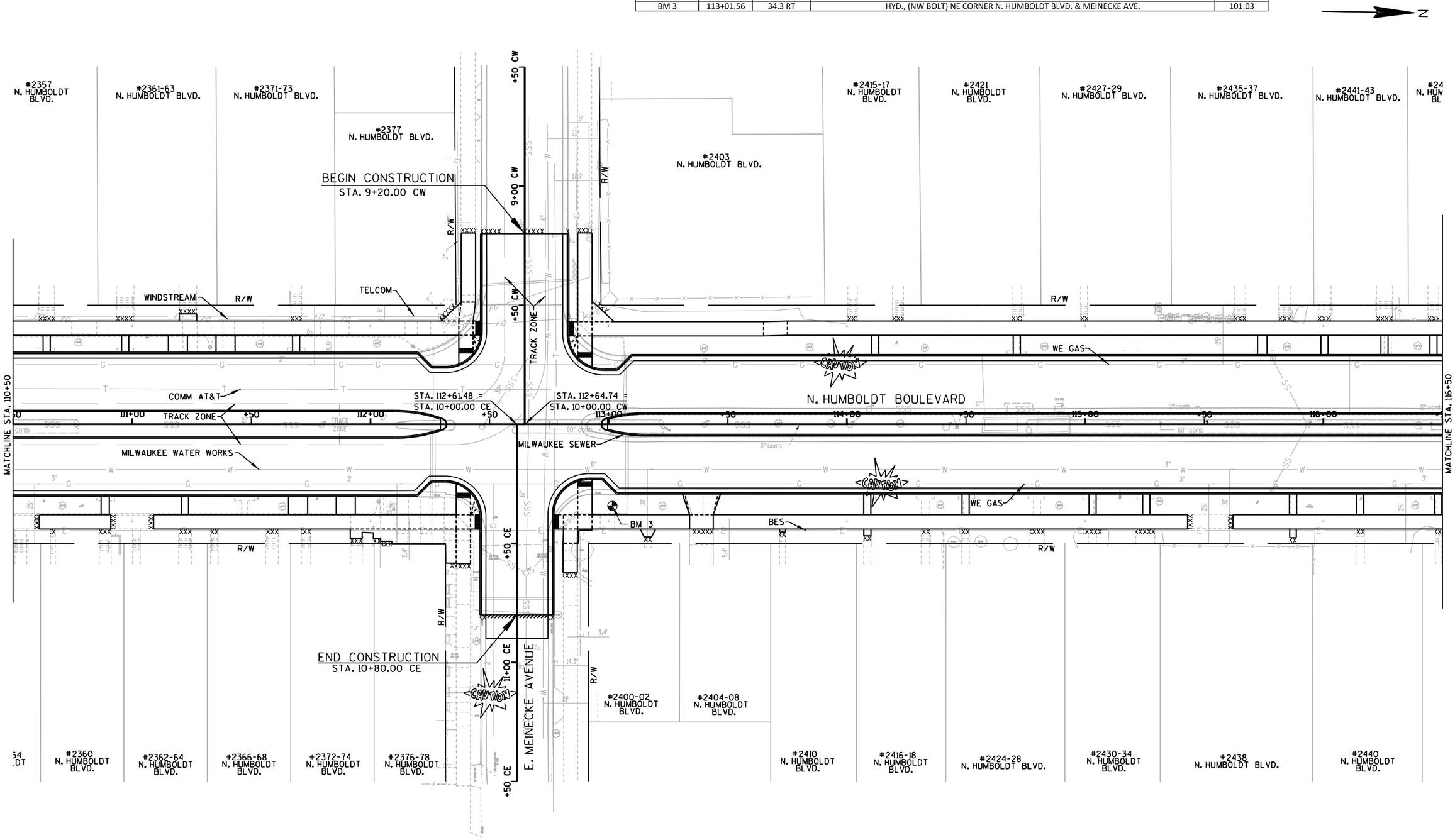


NORTHBOUND PROFILE



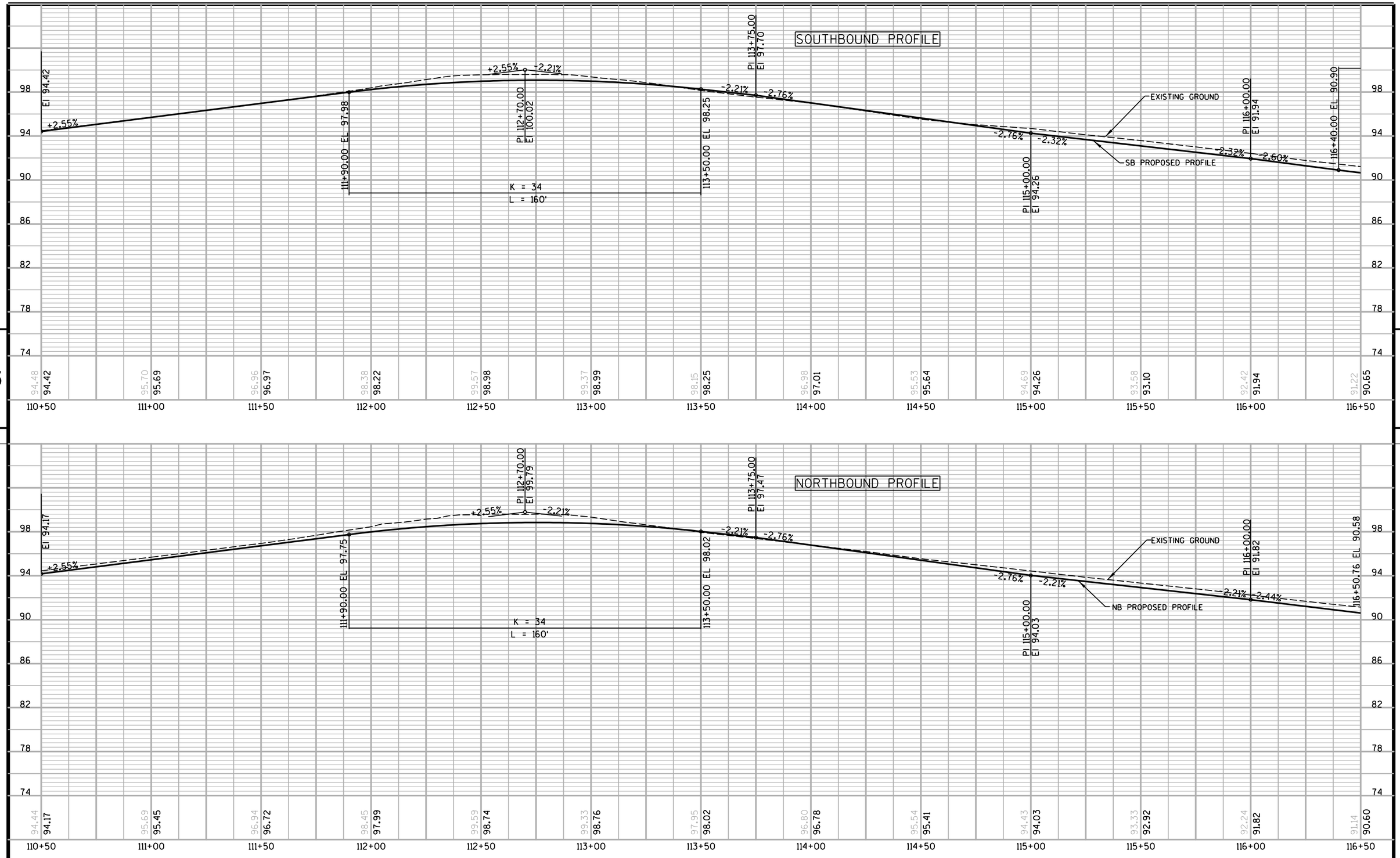
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 413 E

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 3	113+01.56	34.3 RT	HYD., (NW BOLT) NE CORNER N. HUMBOLDT BLVD. & MEINECKE AVE.	101.03



STA 113+39
CONSTRUCT P.E.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 414 E



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 415 E

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 4	118+88.49	32.72 RT	HYD., (NW BOLT) SE CORNER N. HUMBOLDT BLVD. & E. WRIGHT ST.	92.27

N

#47 N. HUMBOLDT BLVD.
#2451-51A N. HUMBOLDT BLVD.
#2459 N. HUMBOLDT BLVD.
#2465-65A N. HUMBOLDT BLVD.
#2469 N. HUMBOLDT BLVD.
#1021 E. WRIGHT ST.
#1018-20 E. WRIGHT ST.
#2507-13 N. HUMBOLDT BLVD.
#2517-19 N. HUMBOLDT BLVD.
#2523-25 N. HUMBOLDT BLVD.
#2529-31 N. HUMBOLDT BLVD.
#2535 N. HUMBOLDT BLVD.

E. WRIGHT STREET

+50 DW
9+00 DW
+50 DW

BEGIN CONSTRUCTION
STA. 9+25.00 DW

R/W

N. HUMBOLDT BOULEVARD

CAUTION

WE GAS

STA. 119+21.63 =
STA. 10+00.00 DE
119+00

STA. 119+23.00 =
STA. 10+00.00 DW
+50

MILWAUKEE SEWER

MILWAUKEE WATER WORKS

CAUTION

BM 4

WE GAS

BES

R/W

+50 DE

END CONSTRUCTION
STA. 10+75.00 DE

11+00 DE

#2482-84 N. HUMBOLDT BLVD.

#2468-70 N. HUMBOLDT BLVD.

#2448-50 N. HUMBOLDT BLVD.
#2452 N. HUMBOLDT BLVD.
#2456 N. HUMBOLDT BLVD.
#2464 N. HUMBOLDT BLVD.
#2500-04 N. HUMBOLDT BLVD.
#2510 N. HUMBOLDT BLVD.
#2512-2514 N. HUMBOLDT BLVD.
#2518-20 N. HUMBOLDT BLVD.
#2522-24 N. HUMBOLDT BLVD.
#2532-34 N. HUMBOLDT BLVD.
#2538 N. HUMBOLT BLVD.

MATCHLINE STA. 116+50

MATCHLINE STA. 122+50

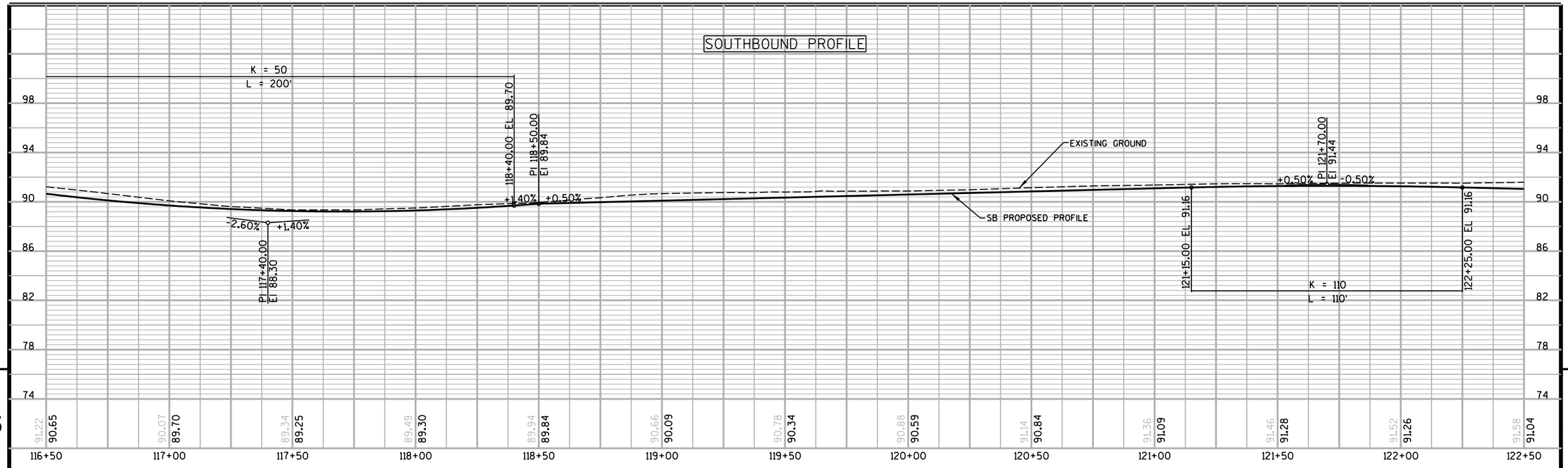
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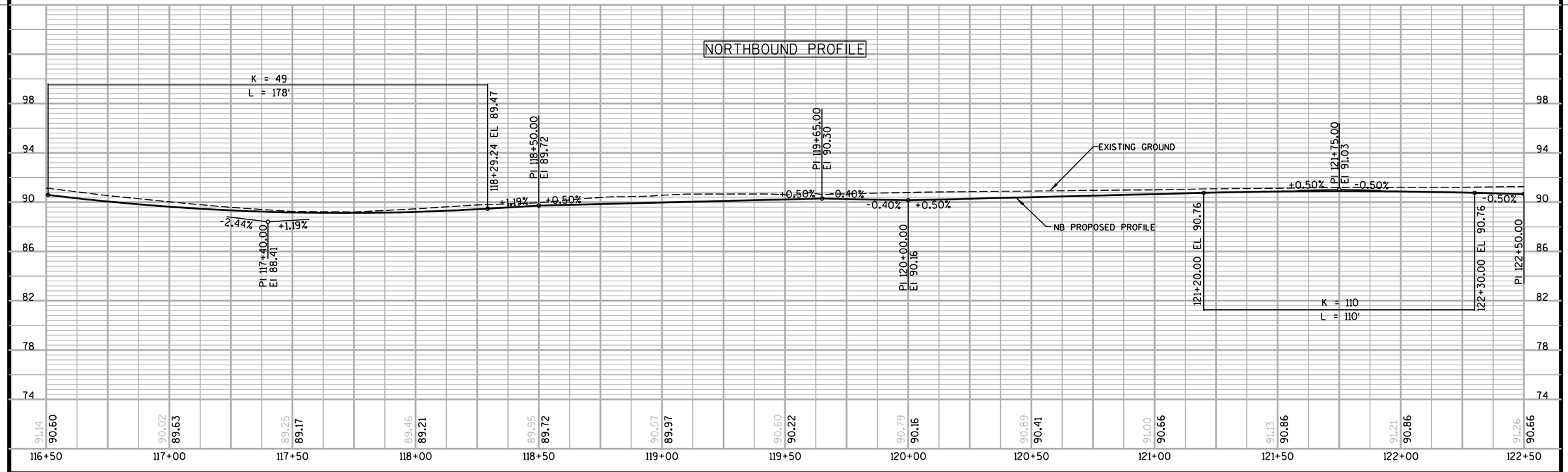
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\050105_pp.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

SOUTHBOUND PROFILE



NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 417 E

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 5	126+23.47	33.68 LT	NW CORNER N. HUMBOLDT BLVD. & E. CLARKE ST. (22.6' NORTH AND 4.7' WEST OF CURBS, 3" DOWN)	93.87

N

#2539 N. HUMBOLDT BLVD. | #2543 N. HUMBOLDT BLVD. | #2551-53 N. HUMBOLDT BLVD. | #2555 N. HUMBOLDT BLVD. | #2565 N. HUMBOLDT BLVD. | #2571-71A N. HUMBOLDT BLVD. | #2577-77A N. HUMBOLDT BLVD.

#2615 N. HUMBOLDT BLVD. | #2621-23 N. HUMBOLDT BLVD. | #2625-27 N. HUMBOLDT BLVD. | #2631 N. HUMBOLDT BLVD.

#2607-11 N. HUMBOLDT BLVD.

#1018-20 E. CLARKE ST.
#2601 N. HUMBOLDT BLVD.

+50 EW

9+00 EW

+50 EW

R/W

BEGIN CONSTRUCTION
STA. 9+35.82 EW

BM 5

WE GAS

CAUTION

MILWAUKEE SEWER

MILWAUKEE WATER WORKS

STA. 125+84.88
STA. 10+00.00 EW

STA. 125+84.54 =
STA. 10+00.00 EE

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 122+50

MATCHLINE STA. 128+50

123+00 | +50 | 124+00 | +50 | 125+00 | +50 | 126+00 | +50 | 127+00 | +50 | 128+00

60" comb.

36" wm

8" W

12"

3"

BES

+50 EE

11+00 EE

+50 EE

END CONSTRUCTION
STA. 10+75.00 EE

E. CLARKE STREET

#2542 N. HUMBOLDT BLVD. | #2544-46 N. HUMBOLDT BLVD. | #2548 & #2552 N. HUMBOLDT BLVD. | #2556 N. HUMBOLDT BLVD. | #2562 N. HUMBOLDT BLVD. | #2564 N. HUMBOLDT BLVD. | #2568-70 N. HUMBOLDT BLVD. | #2576-78 N. HUMBOLDT BLVD.

#2600-02 N. HUMBOLDT BLVD. | #2606-08 N. HUMBOLDT BLVD. | #2610-12 N. HUMBOLDT BLVD. | #2616 N. HUMBOLDT BLVD. | #2628-R N. HUMBOLDT BLVD. | #2628 N. HUMBOLDT BLVD.

STA 127+63
CONSTRUCT C.E.

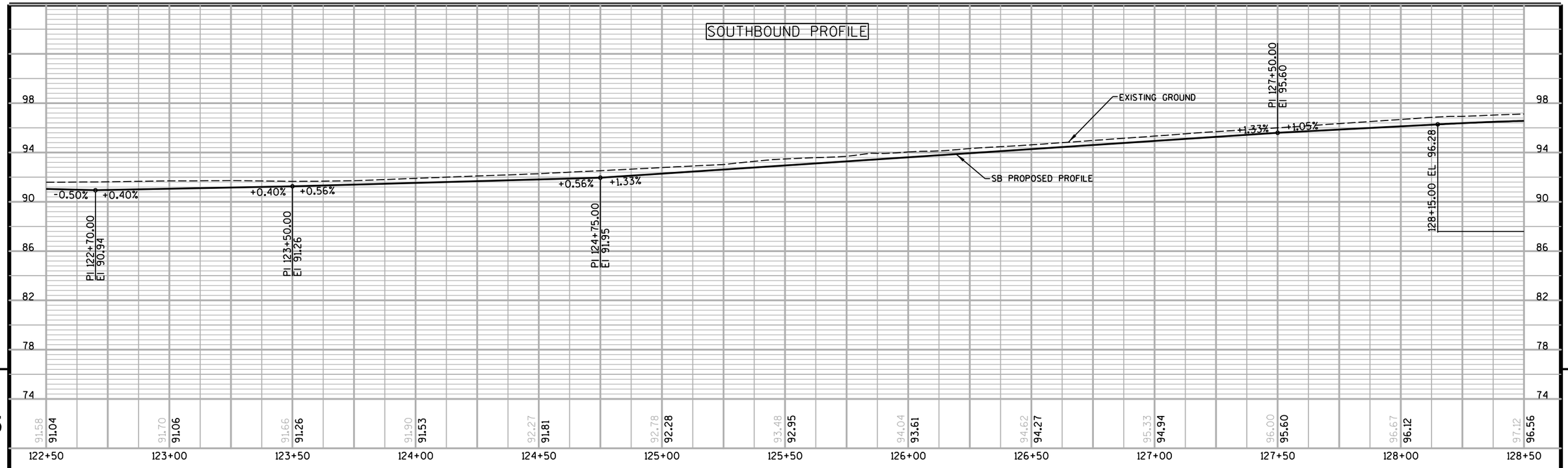
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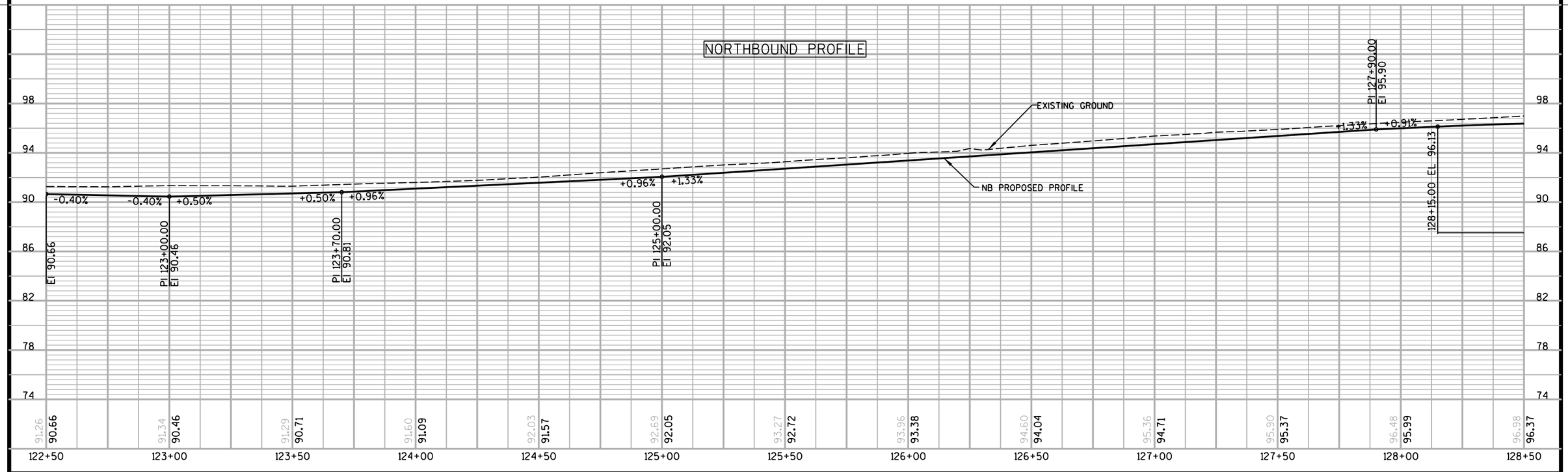
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET	E

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SOUTHBOUND PROFILE



NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET	E

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WISDOT/CADDS SHEET 30

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 6	132+07.46	33.80 LT	HYD., (NW BOLT) SW CORNER N. HUMBOLDT BLVD. & E. CENTER ST.	97.84
BM 7	132+86.45	32.85 RT	HYD., (WNW RLY BOLT) E/S N. HUMBOLDT BLVD. & E. CENTER ST.	95.97

N

*2637-39 N. HUMBOLDT BLVD.
*2643 N. HUMBOLDT BLVD.
*2649-51 N. HUMBOLDT BLVD.
*2659 N. HUMBOLDT BLVD.
*2661 N. HUMBOLDT BLVD.
*2669 N. HUMBOLDT BLVD.
*1027 E. CENTER ST.
*2715 N. HUMBOLDT BLVD.
*2719 N. HUMBOLDT BLVD.
*2701-03 N. HUMBOLDT BLVD. UPTOWNER
*2705-07 N. HUMBOLDT BLVD.

BEGIN CONSTRUCTION
STA. 8+95.65 F

E. CENTER STREET
R/W
+50 F
9+00
+50 F
WE GAS
BM 6
BES
WE ELECTRIC
STA. 132+46.78 =
STA. 10+00.00 F
TRACK ZONE
CAUTION
MILWAUKEE SEWER
MILWAUKEE WATER WORKS
N. HUMBOLDT BOULEVARD
129+00
130+00
131+00
132+00
134+00
MATCHLINE STA. 128+50
MATCHLINE STA. 134+50
BM 7
ALLEY

*2630 N. HUMBOLDT BLVD.
*2650-56 N. HUMBOLDT BLVD.
*2660 N. HUMBOLDT BLVD.
*2670 N. HUMBOLDT BLVD.
*2676 N. HUMBOLDT BLVD.
*2684-86 N. HUMBOLDT BLVD.
*2700 N. HUMBOLDT BLVD.
*2704 N. HUMBOLDT BLVD.
*2710-10A N. HUMBOLDT BLVD.
*2716 N. HUMBOLDT BLVD.

STA 129+27
CONSTRUCT C.E.

STA 130+28
CONSTRUCT C.E.

STA 131+73
CONSTRUCT P.E.

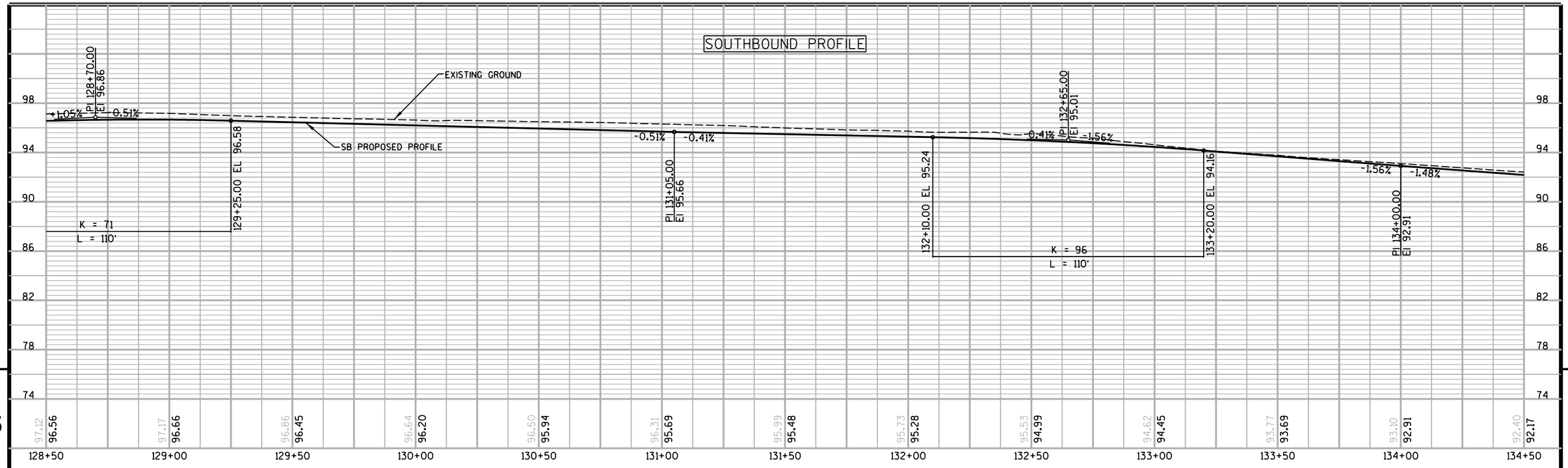
STA 132+29
CONSTRUCT ALLEY

STA 132+76
CONSTRUCT P.E.

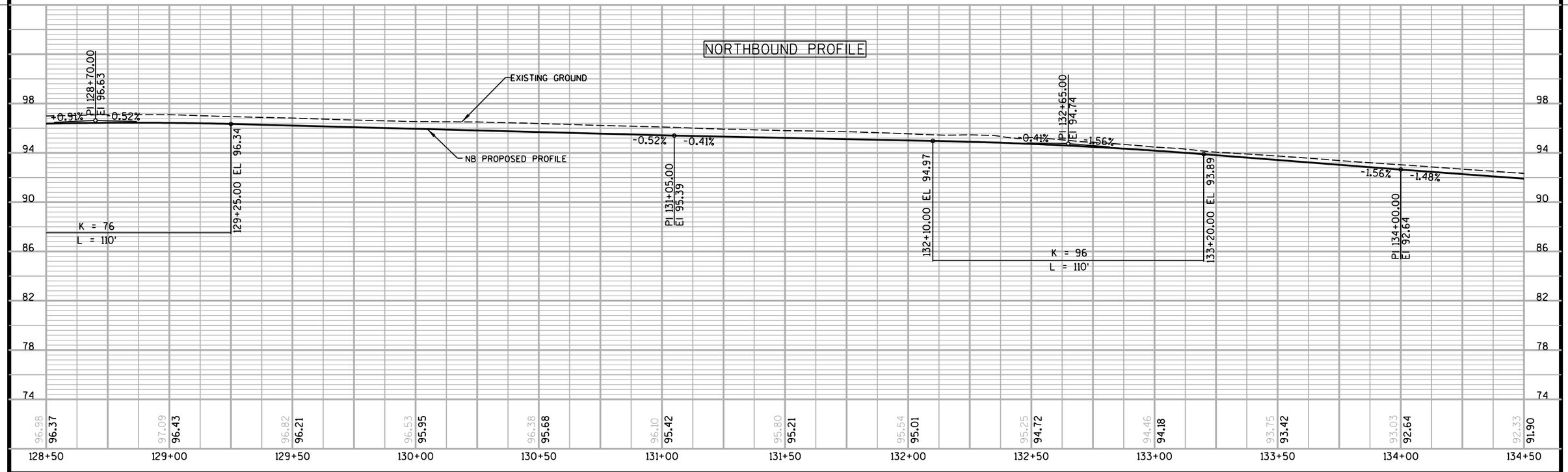
STA 134+40
CONSTRUCT C.E.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 420	E

SOUTHBOUND PROFILE



NORTHBOUND PROFILE

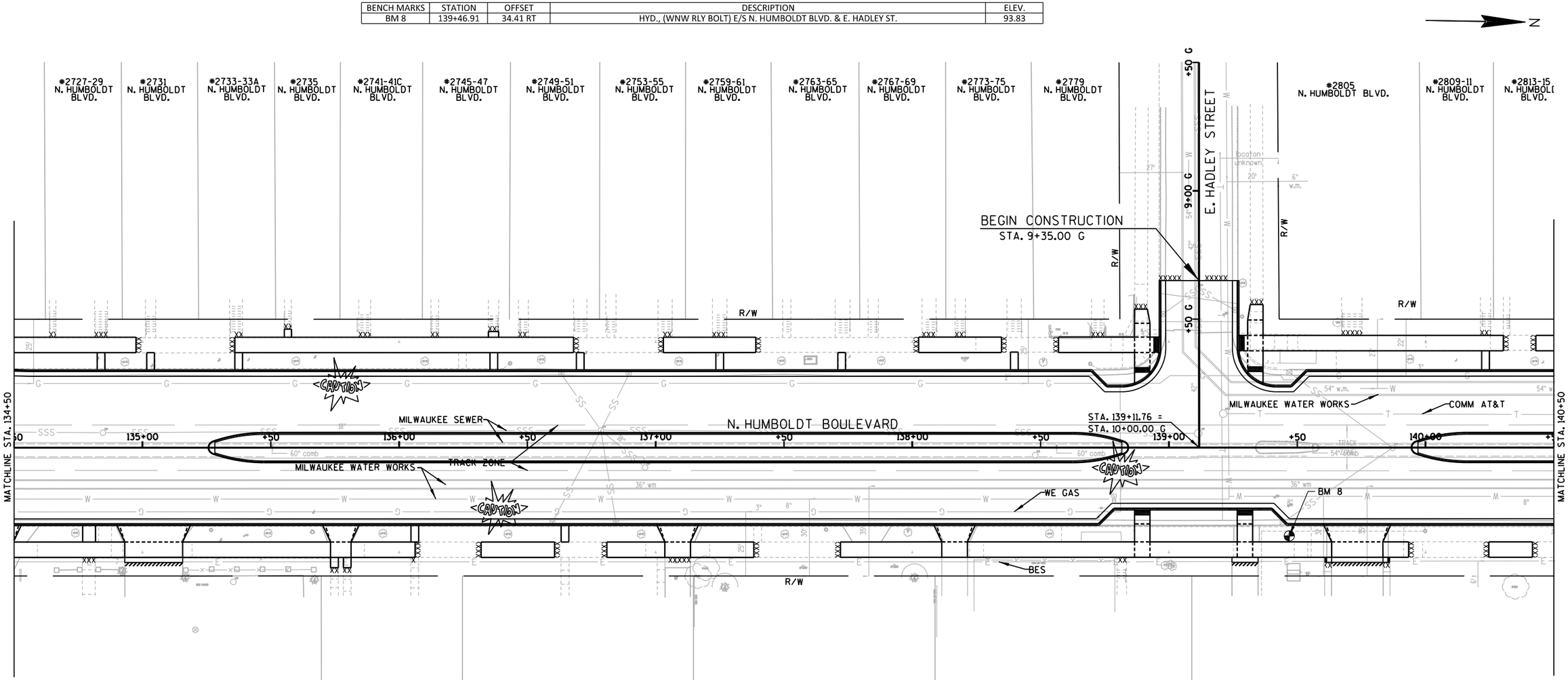


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 421 E

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WISDOT/CADDS SHEET 30

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 8	139+46.91	34.41 RT	HYD., (WNW RLY BOLT) E/S N. HUMBOLDT BLVD. & E. HADLEY ST.	93.83

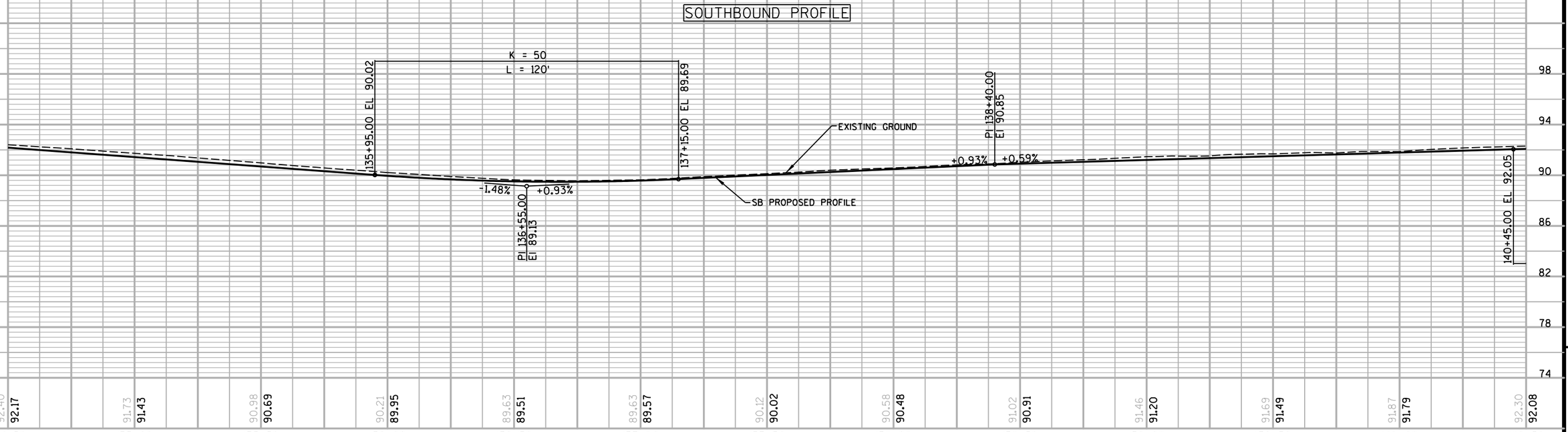


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 422	E

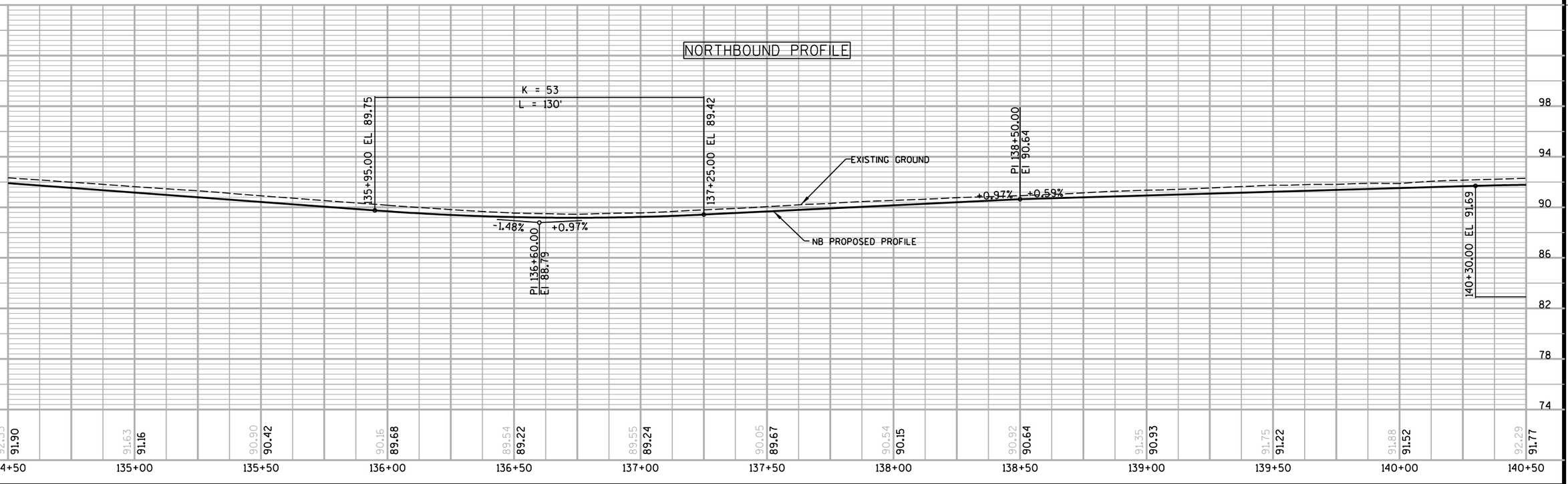
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WISDOT/CADDS SHEET 44

SOUTHBOUND PROFILE



NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 423	E

5

#2817-19 N. HUMBOLDT BLVD.
#2821-21A N. HUMBOLDT BLVD.
#2825-25A N. HUMBOLDT BLVD.
#2831-33 N. HUMBOLDT BLVD.
#2837 N. HUMBOLDT BLVD.
#2843 N. HUMBOLDT BLVD.
#2851-51A N. HUMBOLDT BLVD.
#2855-55A N. HUMBOLDT BLVD.
#2857 N. HUMBOLDT BLVD.
#2863-63A N. HUMBOLDT BLVD.

STA 144+80
CONSTRUCT C.E.
#1019-1019A

#1025 E. LOCUST ST.
MA BAENSCH

R/W

WE GAS

CAUTION

N. HUMBOLDT BOULEVARD

COMM AT&T

MATCHLINE STA. 140+50

141+00 +50 142+00 +50 TRACK ZONE 143+00 +50 144+00 +50 145+00

TRACK ZONE

54" comb

54" w.m.

36" wm

MILWAUKEE WATER WORKS

WE ELECTRIC

MILWAUKEE SEWER

STA. 145+80.99 =
STA. 10+00.00 H

+50H 9+00H +50H

146+00 +50

MATCHLINE STA. 146+50

CAUTION

WE ELECTRIC

WE GAS

TELCOM

BES

R/W

*2828 N. HUMBOLDT BLVD.

*2730 N. HUMBOLDT BLVD.
GORDAN PARK

*1321 E. LOCUST ST. IS SPLIT IN HALF BY *2828 N. HUMBOLDT BLVD. AND *2730 N. HUMBOLDT BLVD.

E. LOCUST STREET

location unknown

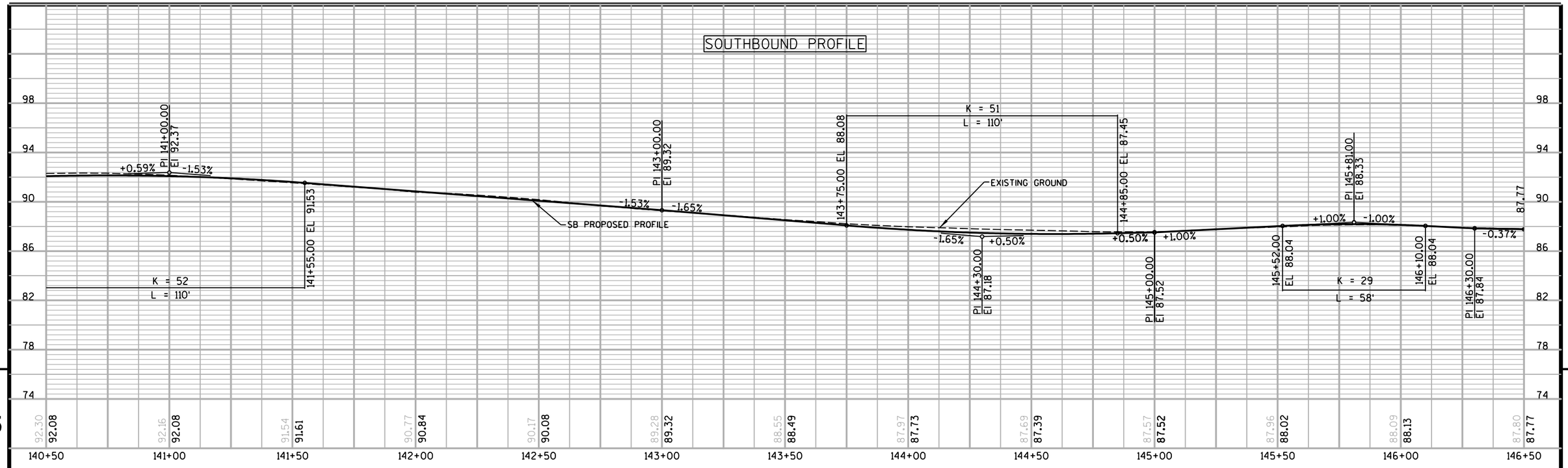
+50H 11+00H +50H 13+00H

3.7'

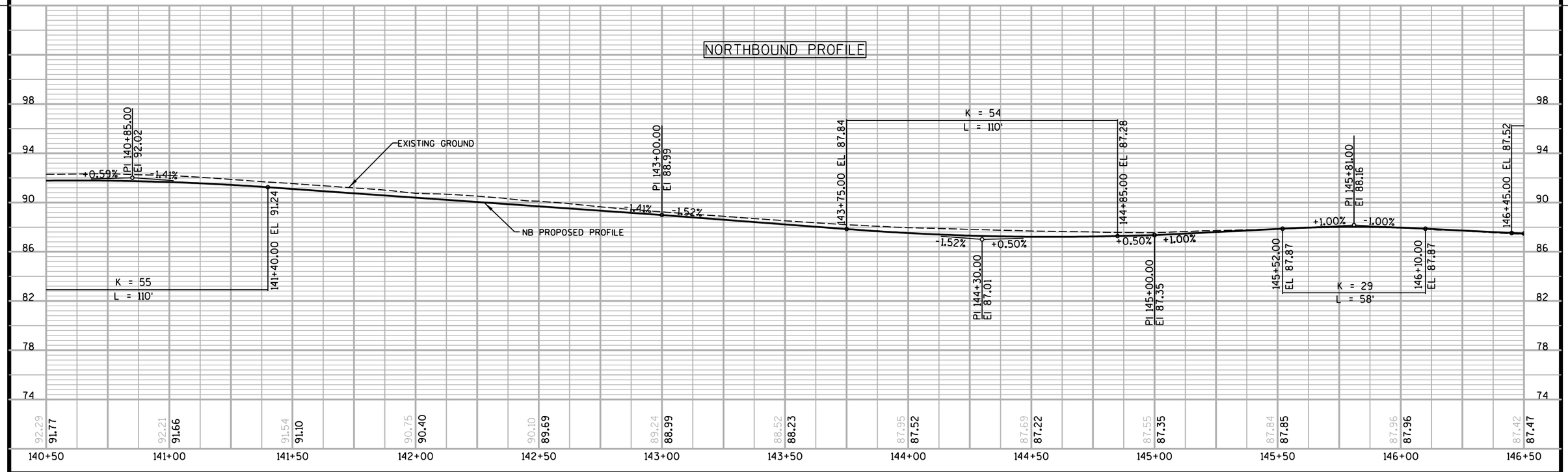
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PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 424	E

SOUTHBOUND PROFILE

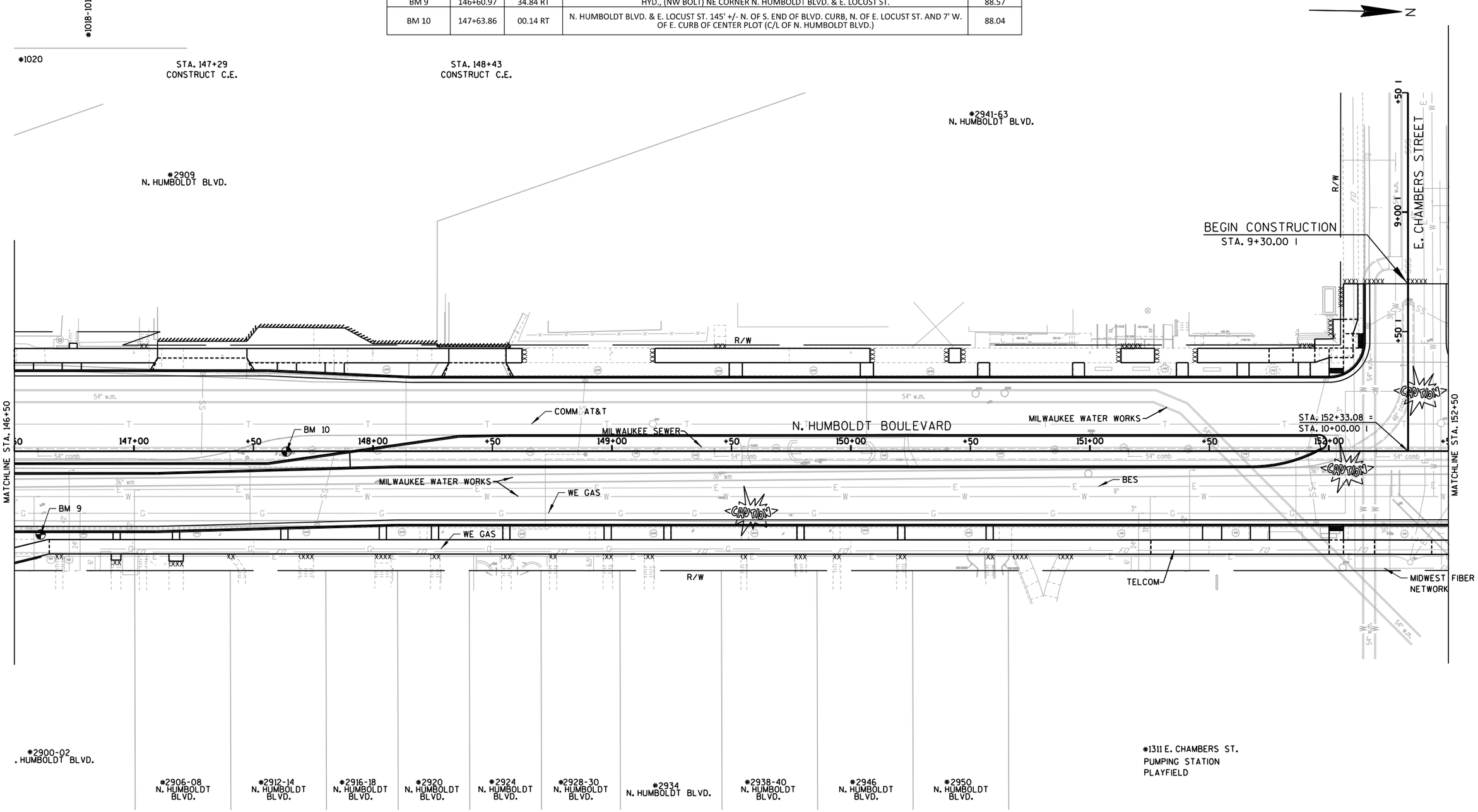


NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 425 E

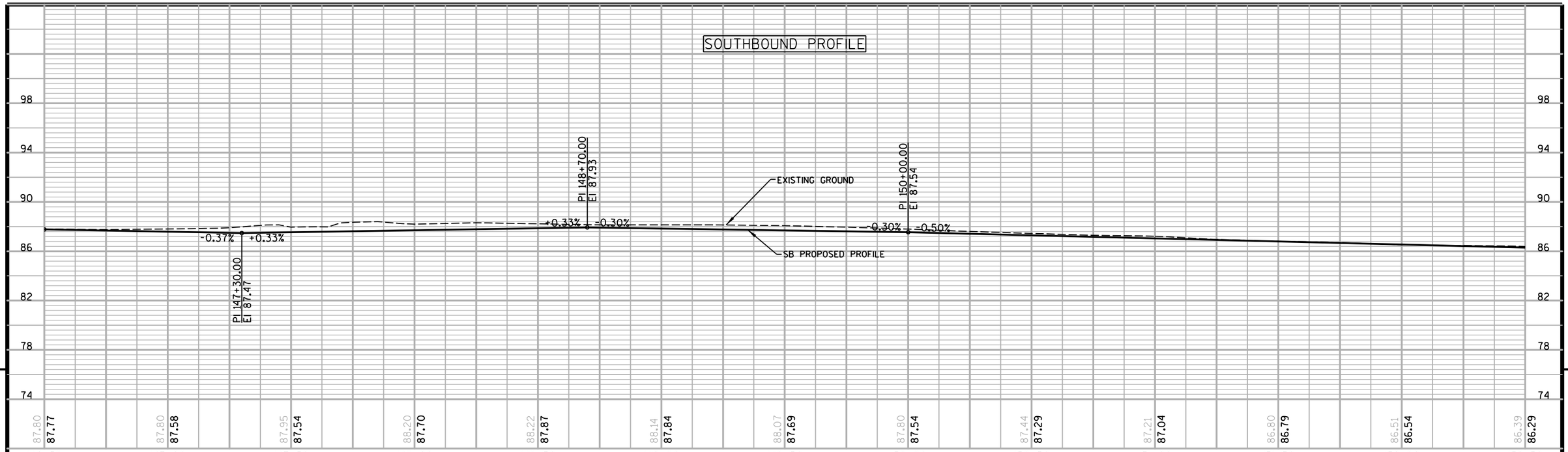
BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 9	146+60.97	34.84 RT	HYD., (NW BOLT) NE CORNER N. HUMBOLDT BLVD. & E. LOCUST ST.	88.57
BM 10	147+63.86	00.14 RT	N. HUMBOLDT BLVD. & E. LOCUST ST. 145' +/- N. OF S. END OF BLVD. CURB, N. OF E. LOCUST ST. AND 7' W. OF E. CURB OF CENTER PLOT (C/L OF N. HUMBOLDT BLVD.)	88.04



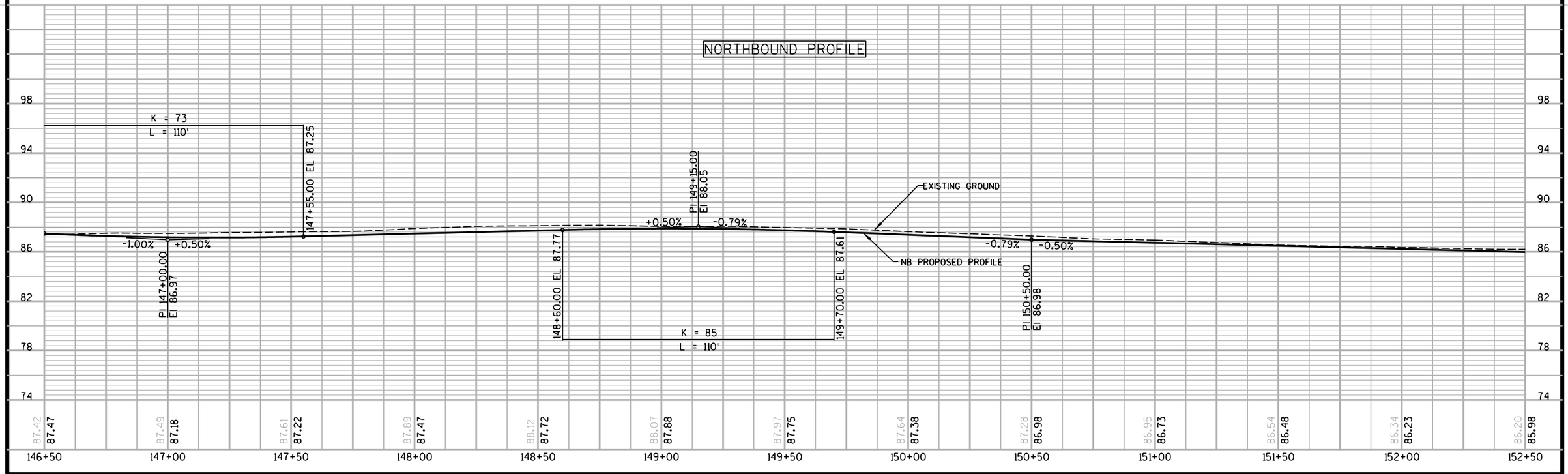
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 426 E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\050115_pp.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

SOUTHBOUND PROFILE

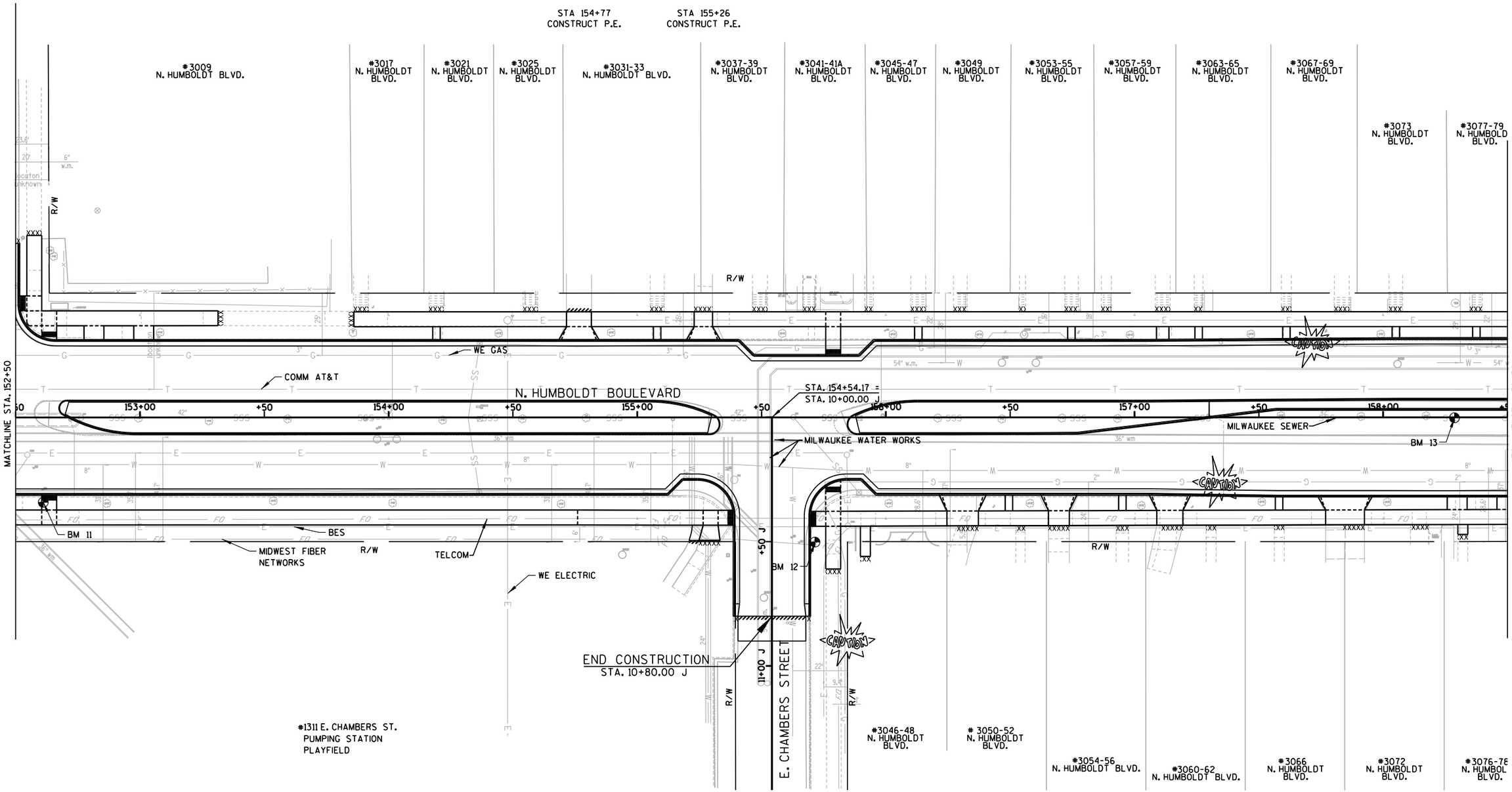


NORTHBOUND PROFILE



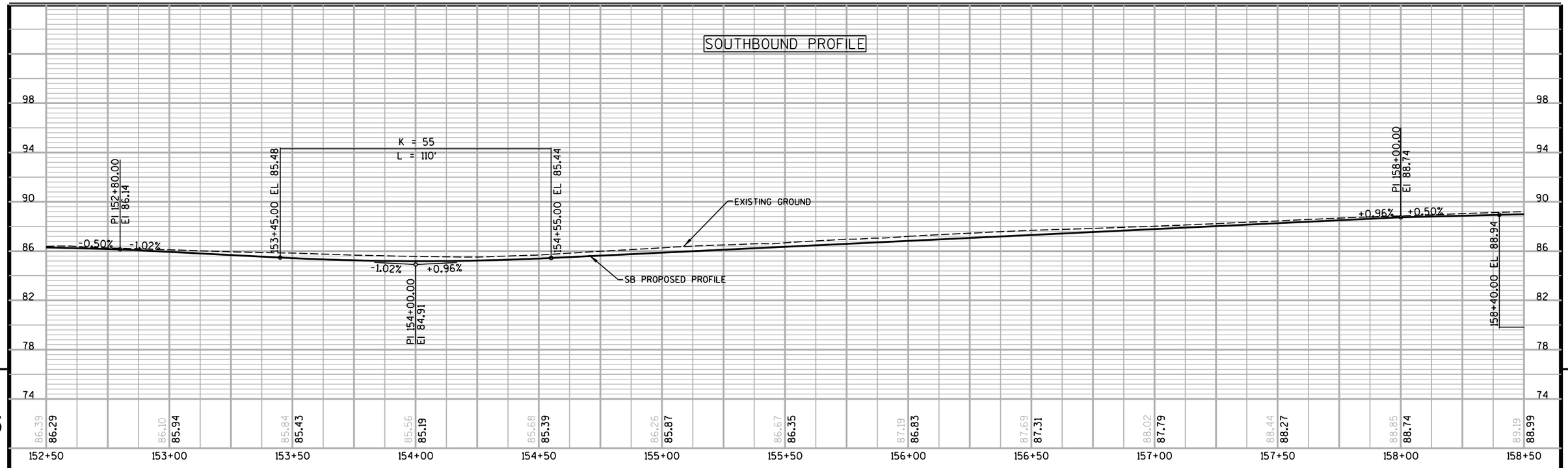
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 427 E

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 11	152+61.08	34.17 RT	HYD., (NW BOLT) E/S N. HUMBOLDT BLVD. & E. CHAMBERS ST.	88.01
BM 12	155+71.48	50.18 RT	HYD., (NW BOLT) NE CORNER N. HUMBOLDT BLVD. & E. CHAMBERS ST.	87.69
BM 13	158+28.70	0.20 RT	N. HUMBOLDT BLVD. & E. BURLEIGH ST. 66.4' S. OF C/L OF E. BURLEIGH ST. ON C/L OF N. HUMBOLDT BLVD.,	89.14

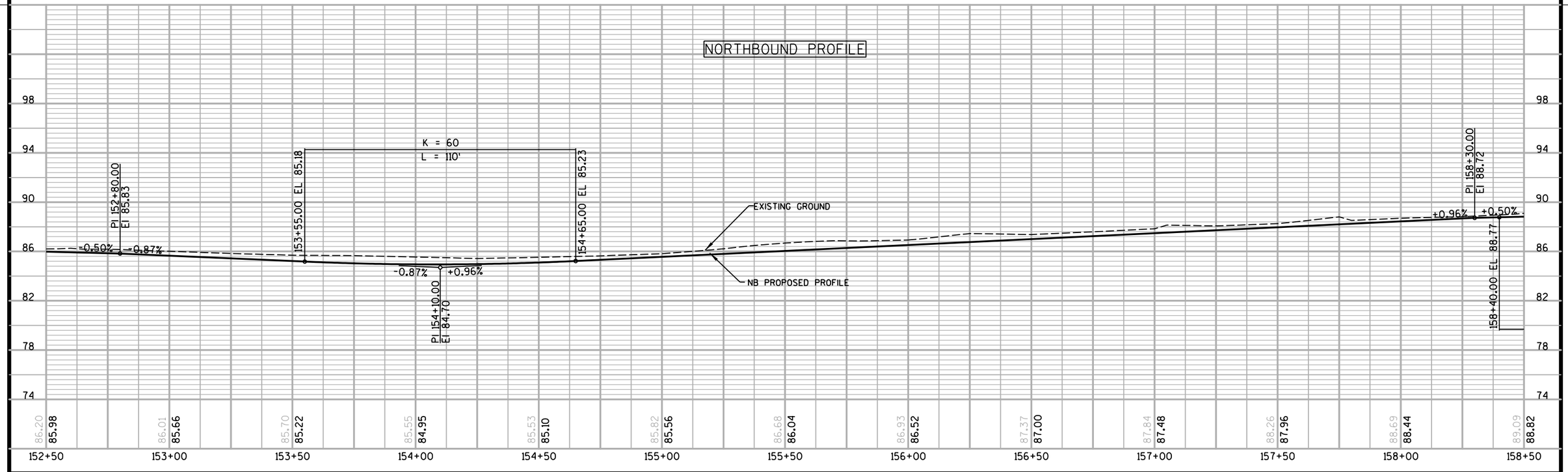


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 428	E

SOUTHBOUND PROFILE



NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\050118_pp.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 14	159+31.11	34.58 RT	HYD., (NW BOLT) NE CORNER N. HUMBOLDT BLVD. & E. BURLEIGH ST.	91.19

N

5

5

*3105-07 N. HUMBOLDT BLVD.
*3109-11 N. HUMBOLDT BLVD.
*3113 N. HUMBOLDT BLVD.
*3119-19A N. HUMBOLDT BLVD.
*3123 N. HUMBOLDT BLVD.
*3127 N. HUMBOLDT BLVD.
*3133-33A N. HUMBOLDT BLVD.
*3137-39 N. HUMBOLDT BLVD.
*3141-43A N. HUMBOLDT BLVD.
*3145-47 N. HUMBOLDT BLVD.
*3149-51 N. HUMBOLDT BLVD.
*3155 N. HUMBOLDT BLVD.
*3159 N. HUMBOLDT BLVD.
*3165-67 N. HUMBOLDT BLVD.

E. BURLEIGH STREET

BEGIN CONSTRUCTION
STA. 9+30.00 K

WE ELECTRIC

R/W

+50 K
9+00 K
+50 K
11+00 K
+50 K

CAUTION

STA. 158+95.54 =
STA. 10+00.00 K

MATCHLINE STA. 158+50

159+00 +50 160+00 +50 161+00 +50 162+00 +50 163+00 +50 164+00

N. HUMBOLDT BOULEVARD

MILWAUKEE WATER WORKS

COMM AT&T

MILWAUKEE SEWER

MILWAUKEE WATER WORKS

WE GAS

BM 14

BES

TELCOM

END CONSTRUCTION
STA. 10+60.00 K

MATCHLINE STA. 164+50

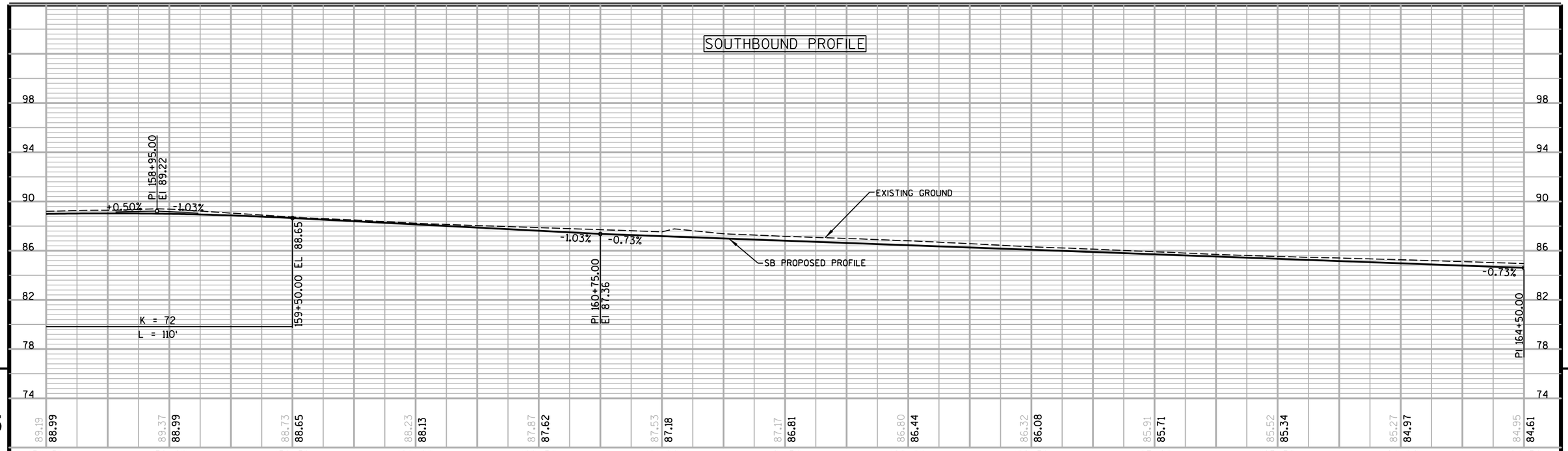
*3104 N. HUMBOLDT BLVD.
*3110 N. HUMBOLDT BLVD.
*3116 N. HUMBOLDT BLVD.
*3130-30A N. HUMBOLDT BLVD.
*3132 N. HUMBOLDT BLVD.
*3134-36 N. HUMBOLDT BLVD.
*3144-44A N. HUMBOLDT BLVD.
*3146-48 N. HUMBOLDT BLVD.
*3152-54 N. HUMBOLDT BLVD.
*3158 N. HUMBOLDT BLVD.
*3164 N. HUMBOLDT BLVD.

STA 160+75
CONSTRUCT P.E.

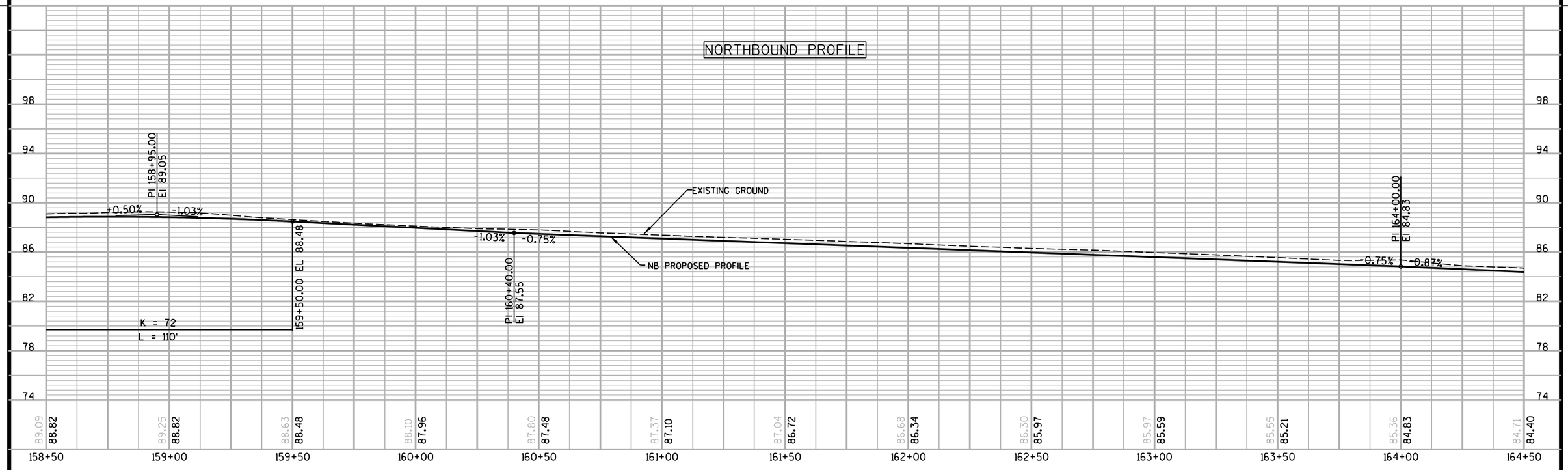
STA 161+30
CONSTRUCT P.E.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 430	E

SOUTHBOUND PROFILE



NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILES	SHEET 431 E

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 15	165+89.14	34.80 RT	HYD., (NW BOLT) NE CORNER N. HUMBOLDT BLVD. & E. AUER ST.	85.51

N

STA 166+39
CONSTRUCT P.E.

STA 169+53
CONSTRUCT P.E.

#3171-73 HUMBOLDT BLVD. | #3177-77A N. HUMBOLDT BLVD. | #3203 N. HUMBOLDT BLVD. | #3215 N. HUMBOLDT BLVD. | #3219 N. HUMBOLDT BLVD. | #3227 N. HUMBOLDT BLVD. | #3231-33A N. HUMBOLDT BLVD. | #3237 N. HUMBOLDT BLVD. | #3245-47 N. HUMBOLDT BLVD. | #3253 N. HUMBOLDT BLVD. | #3257 N. HUMBOLDT BLVD. | #3 N. HU B

BEGIN CONSTRUCTION
STA. 9+30.00 LW

+50 LW | 9+00 LW | +50 LW | R/W | TELCOM | COMM AT&T | WE ENERGIES ELECTRIC | STA. 165+56.72 = STA. 10+00.00 LW | STA. 165+57.25 = STA. 10+00.00 LE | MILWAUKEE WATER WORKS | WE GAS | CAUTION | BES | MILWAUKEE SEWER | BM 15

N. HUMBOLDT BOULEVARD

MATCHLINE STA. 164+50

MATCHLINE STA. 170+50

165+00 | +50 | 166+00 | +50 | 167+00 | +50 | 168+00 | +50 | 169+00 | +50 | 170+00

END CONSTRUCTION
STA. 10+75.00 LE

+50 LE | 11+00 LE | +50 LE | E. AUER AVENUE | R/W | #3202-08 N. HUMBOLDT BLVD.

#3170 N. HUMBOLDT BLVD. | #3176 N. HUMBOLDT BLVD. | #3216-16A N. HUMBOLDT BLVD. | #3220-22B N. HUMBOLDT BLVD. | #3224-26 N. HUMBOLDT BLVD. | #3230-32 N. HUMBOLDT BLVD. | #3236-38 N. HUMBOLDT BLVD. | #3242 N. HUMBOLDT BLVD. | #3252 N. HUMBOLDT BLVD. | #3258-60 N. HUMBOLDT BLVD.

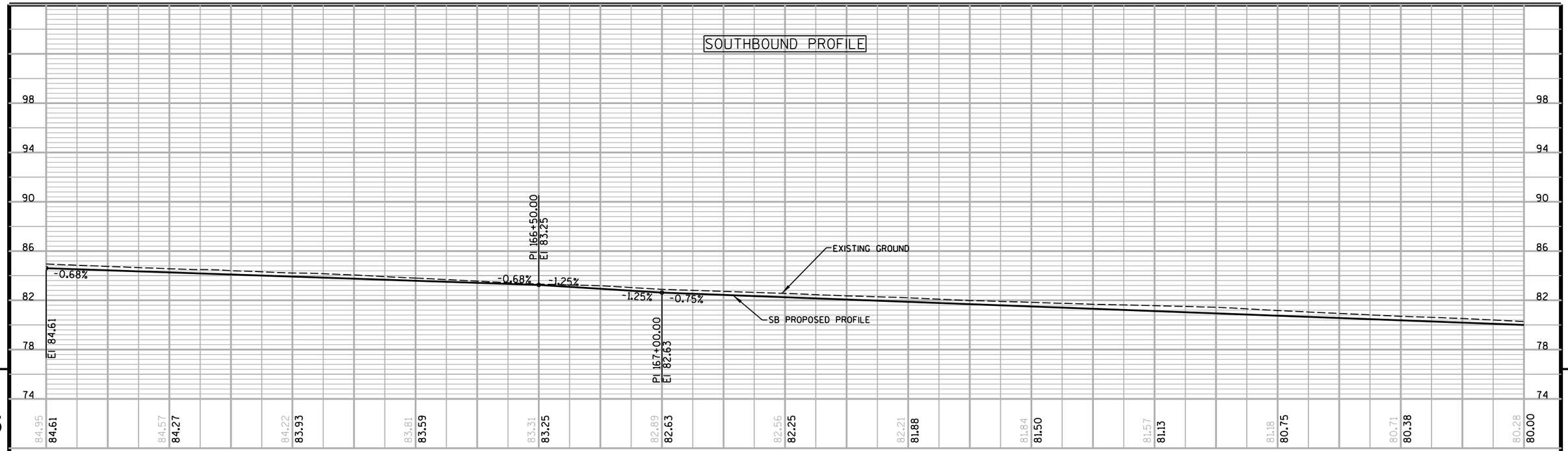
STA 166+55
CONSTRUCT P.E.

STA 170+04
CONSTRUCT C.E.

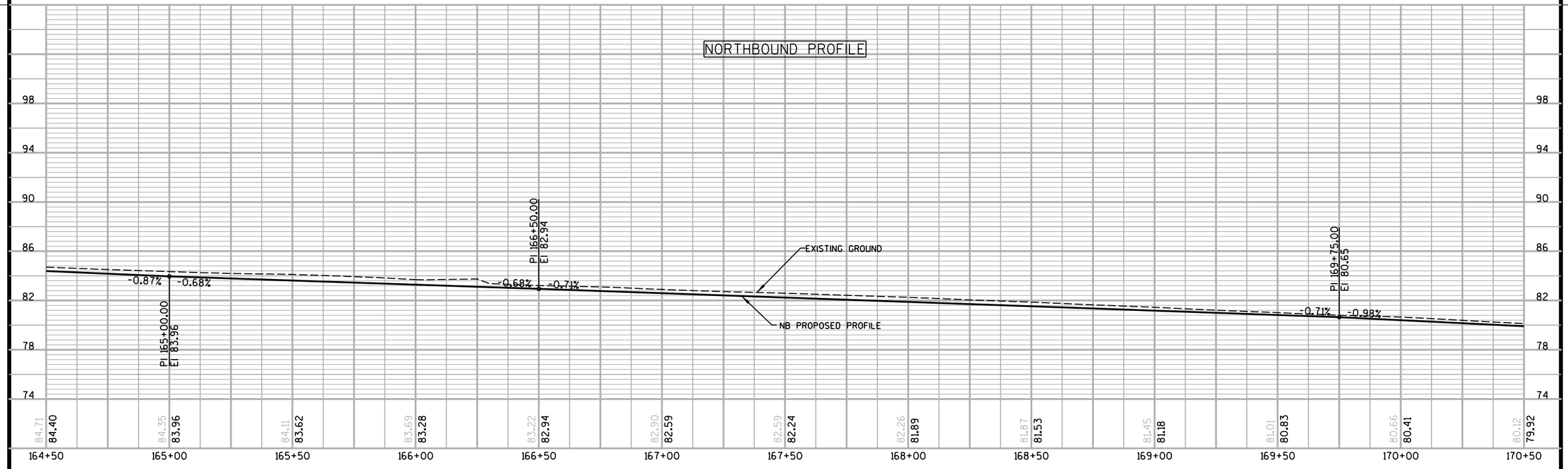
PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILES	SHEET	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\050121_pp.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 44

SOUTHBOUND PROFILE



NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 433	E

BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 16	172+48.82	33.98 RT	HYD., (NE BOLT) E/S N. HUMBOLDT BLVD. & E. CONCORDIA AVE.	81.02

N

STA 173+79
CONSTRUCT P.E.

STA 175+61
CONSTRUCT P.E.

STA 176+07
CONSTRUCT P.E.

#263
MBOLDT
LVD.

#3269
N. HUMBOLDT
BLVD.

#3273-75
N. HUMBOLDT
BLVD.

#3277
N. HUMBOLDT BLVD.

#3303-05
N. HUMBOLDT
BLVD.

#3309-11
N. HUMBOLDT
BLVD.

#3315
N. HUMBOLDT
BLVD.

#3319-21
N. HUMBOLDT
BLVD.

#3325-27
N. HUMBOLDT
BLVD.

#3331-33
N. HUMBOLDT BLVD.

#3337
N. HUMBOLDT BLVD.

#3343-45
N. HUMBOLDT BLVD.

#3351-53
N. HUMBOLDT BLVD.

+50 M

9+00 M

E. CONCORDIA AVENUE

R/W

BEGIN CONSTRUCTION
STA. 9+35.00 M

TELCOM

WE GAS

CAUTION

COMM AT&T

N. HUMBOLDT BOULEVARD

STA. 172+16.44 =
STA. 10+00.00 M

STA. 174+44.25 =
STA. 10+00.00 N

MATCHLINE STA. 170+50

171+00 +50 172+00 +50 173+00 +50 174+00 +50 175+00 +50 176+00

MATCHLINE STA. 176+50

MILWAUKEE WATER WORKS

MILWAUKEE SEWER

BM 16

WE GAS

BES

END CONSTRUCTION
STA. 10+70.00 N

+50 N

11+00 N

+50 N

E. CONCORDIA AVENUE

#3266
N. HUMBOLT BLVD.

#3272-74
N. HUMBOLDT BLVD.

#3278
N. HUMBOLDT BLVD.

#3300-02
N. HUMBOLDT BLVD.

#3304
N. HUMBOLDT BLVD.

#3312-14
N. HUMBOLDT
BLVD.

#3318-20
N. HUMBOLDT BLVD.

#3330-32
N. HUMBOLDT
BLVD.

#3338
N. HUMBOLDT
BLVD.

#3342-44
N. HUMBOLDT
BLVD.

#3348
N. HUMBOLDT
BLVD.

STA 171+21
CONSTRUCT P.E.

STA 172+19
CONSTRUCT P.E.

STA 172+78
CONSTRUCT P.E.

STA 173+35
CONSTRUCT P.E.

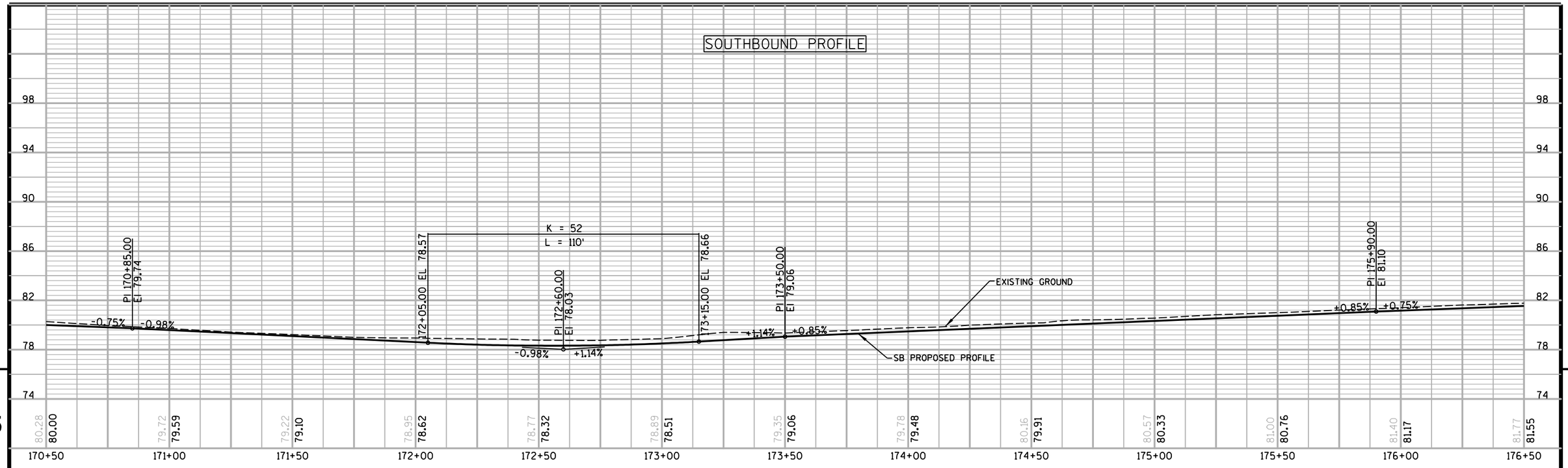
STA 175+03
CONSTRUCT P.E.

STA 175+53
CONSTRUCT P.E.

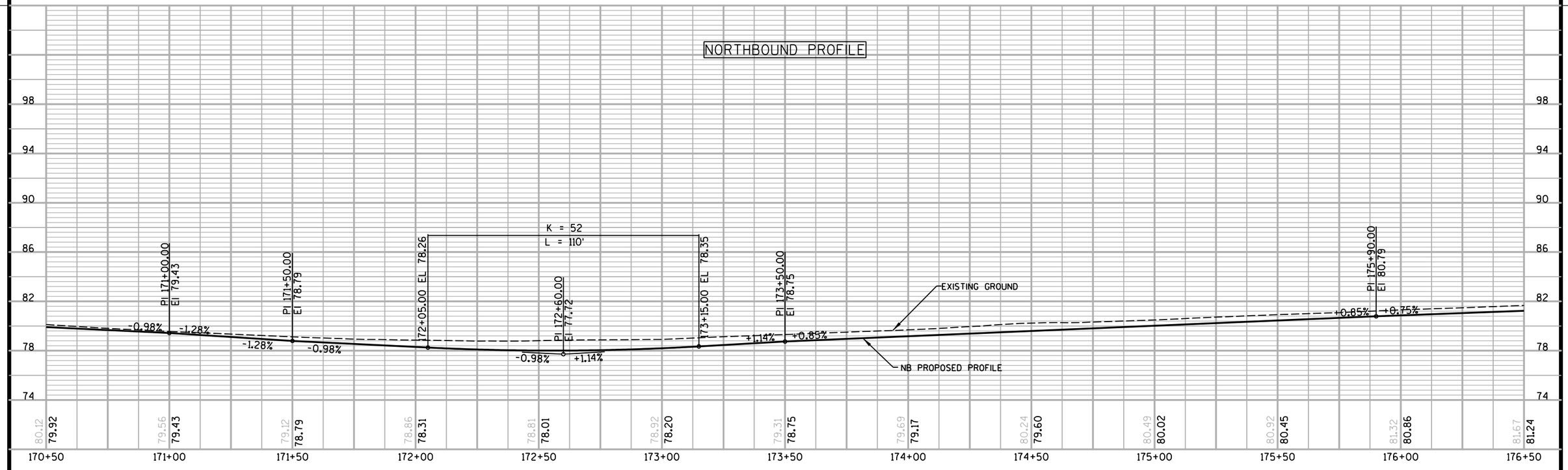
STA 175+97
CONSTRUCT P.E.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 434	E

SOUTHBOUND PROFILE



NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 435	E

FILE NAME : S:\MIL\4300--4399\4390\005\Drawings\CAD\PLAN\050124_pp.dgn PLOT DATE : 11/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30

STA 181+33
CONSTRUCT P.E.

N

#3355-57 N. HUMBOLDT BLVD. | #3405 N. HUMBOLDT BLVD. | #3415 N. HUMBOLDT BLVD. | #3419-25 N. HUMBOLDT BLVD. | #3429-31 N. HUMBOLDT BLVD. | #3435-37 N. HUMBOLDT BLVD. | #3443 N. HUMBOLDT BLVD. | #3447-49 N. HUMBOLDT BLVD. | #3453-55 N. HUMBOLDT BLVD. | #3457 N. HUMBOLDT BLVD. | #3463-65 N. HUMBOLDT BLVD. | N. H

E. TOWNSEND AVENUE

CAUTION

BEGIN CONSTRUCTION
STA. 9+30.00 0

R/W

TELCOM

WE GAS

COMM AT&T

STA. 177+22.44 =
STA. 10+00.00 0

MILWAUKEE WATER WORKS

N. HUMBOLDT BOULEVARD

MILWAUKEE SEWER

BES

MATCHLINE STA. 176+50

MATCHLINE STA. 182+50

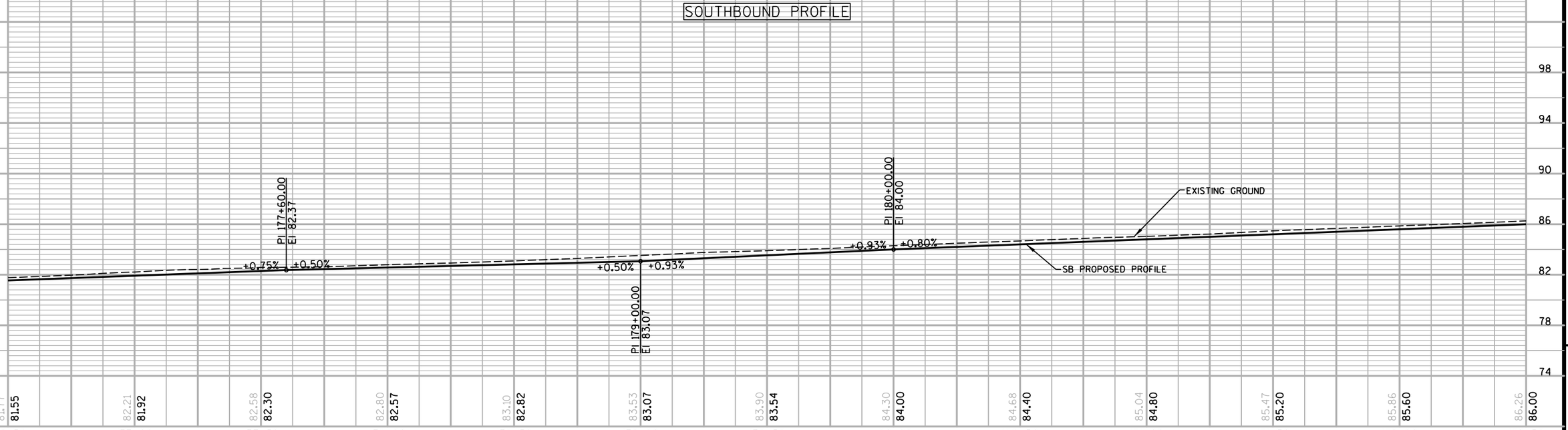
#3356 N. HUMBOLDT BLVD. | #3364 N. HUMBOLDT BLVD. | #3402-02A N. HUMBOLDT BLVD. | #3408-10 N. HUMBOLDT BLVD. | #3412 N. HUMBOLDT BLVD. | #3422 N. HUMBOLDT BLVD. | #3428-30 N. HUMBOLDT BLVD. | #3434-36 N. HUMBOLDT BLVD. | #3440-42 N. HUMBOLDT BLVD. | #3448-50 N. HUMBOLDT BLVD. | #3454-56 N. HUMBOLDT BLVD. | #3458-60 N. HUMBOLDT BLVD. | #3464 N. HUMBOLDT BLVD.

STA 177+05
CONSTRUCT P.E.

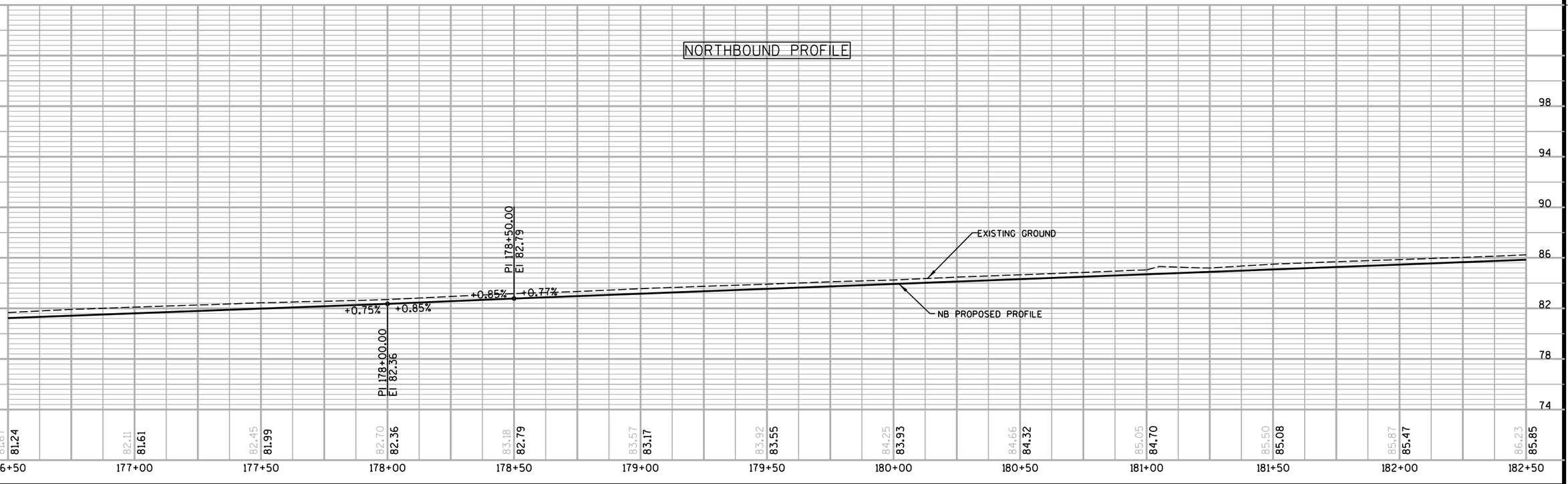
STA 179+56
CONSTRUCT P.E.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILES	SHEET 436	E

SOUTHBOUND PROFILE



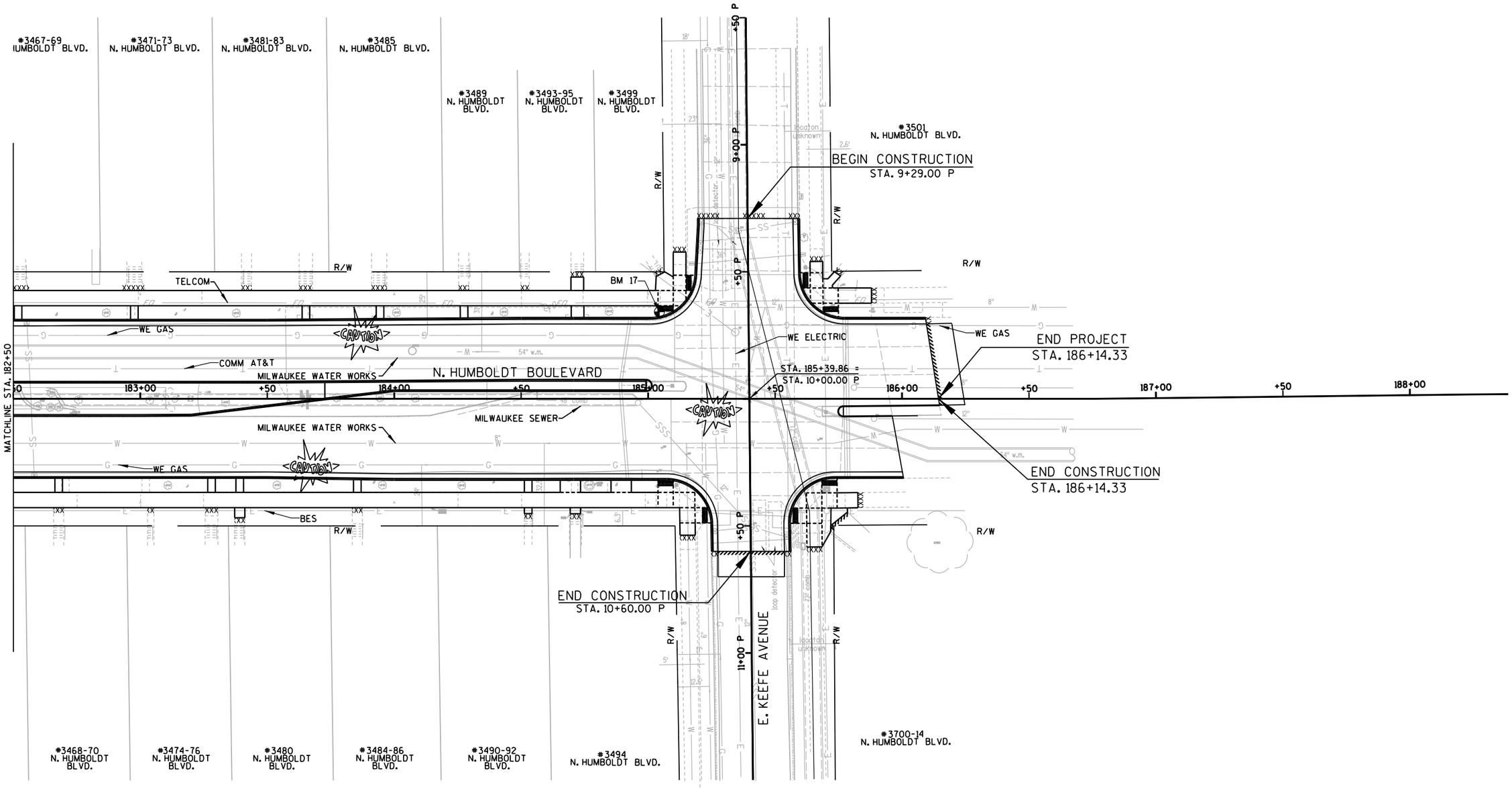
NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 437	E

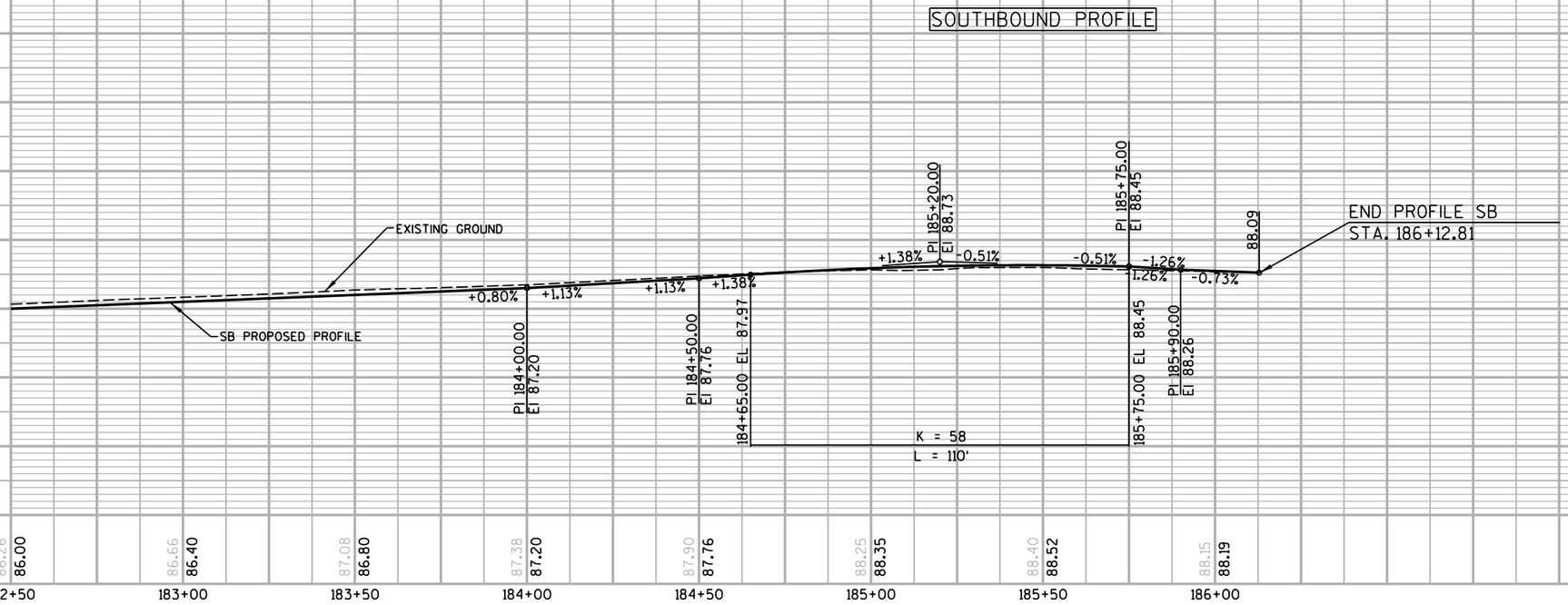
BENCH MARKS	STATION	OFFSET	DESCRIPTION	ELEV.
BM 17	185+04.44	34.20 LT	SW CORNER N. HUMBOLDT BLVD. & E. KEEFE AVE. (3' W. AND 15' S. OF CURBS)	87.87

N

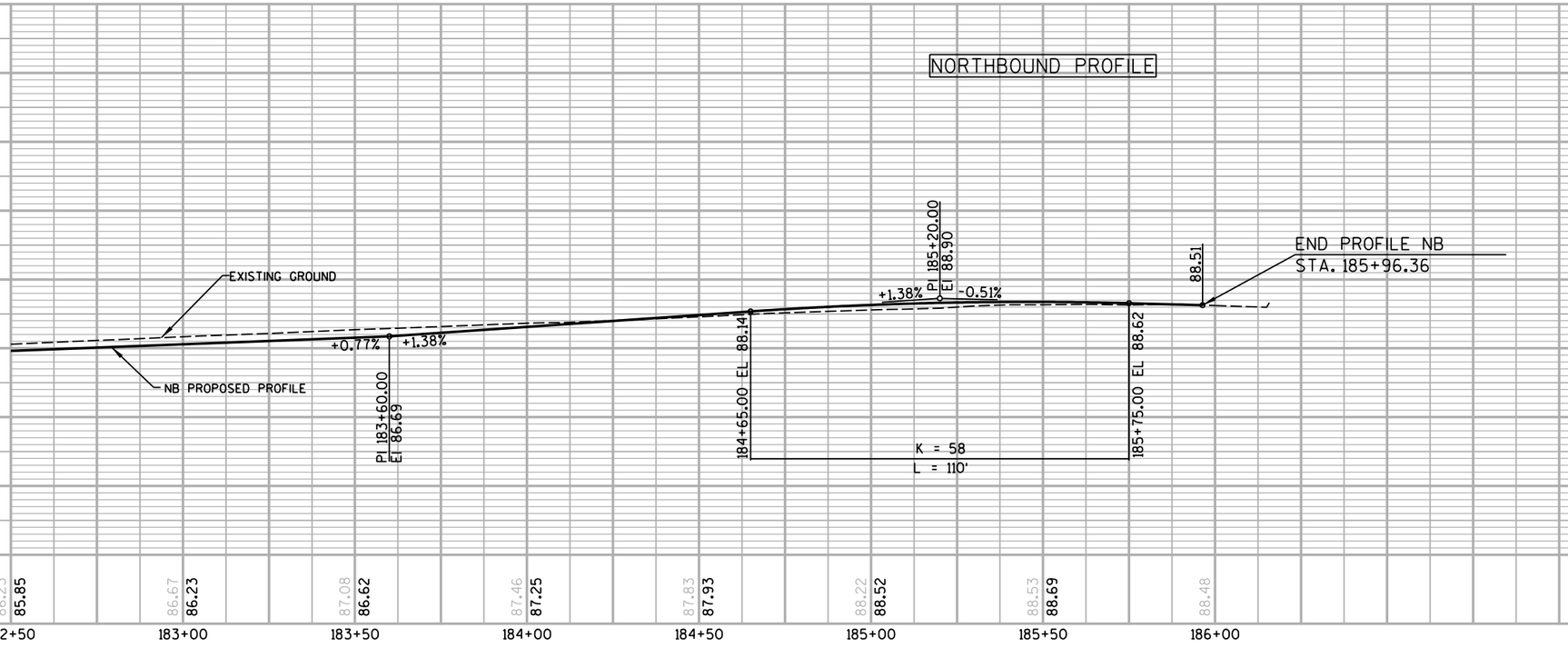


PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILES	SHEET 438	E

SOUTHBOUND PROFILE



NORTHBOUND PROFILE



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE	SHEET 439	E

STA 11+79 LT
CONSTRUCT ALLEY

N

TELCOM

#2915
N. DOUSMAN ST.
R/W

ALLEY

#2900

R/W

#1010
E. LOCUST ST.

#1012
E. LOCUST ST.

#1018
E. LOCUST ST.

#1020
E. LOCUST ST.

#2909

R/W

END CONSTRUCTION
STA. 12+25.00 H

CAUTION

BES

location unknown

WE GAS

STA. 145+80.99 =
STA. 10+00.00 H

E. LOCUST STREET

7+00 H | +50 H | 8+00 H | +50 H | 9+00 H | +50 H | 10+00 H | +50H | 11+00 H | +50H | 12+00 H | +50 H | 13+00 H

MILWAUKEE WATER WORKS

MILWAUKEE WATER WORKS

MILWAUKEE SEWER

WE ELECTRIC

+50

146+00

+50

R/W

R/W

R/W

BEGIN CONSTRUCTION
STA. 7+70.00 H

#1011
E. LOCUST ST.

#1015
E. LOCUST ST.

#1019
E. LOCUST ST.

#1025
E. LOCUST ST.

ALLEY

R/W

145+00

N. HUMBOLDT BOULEVARD

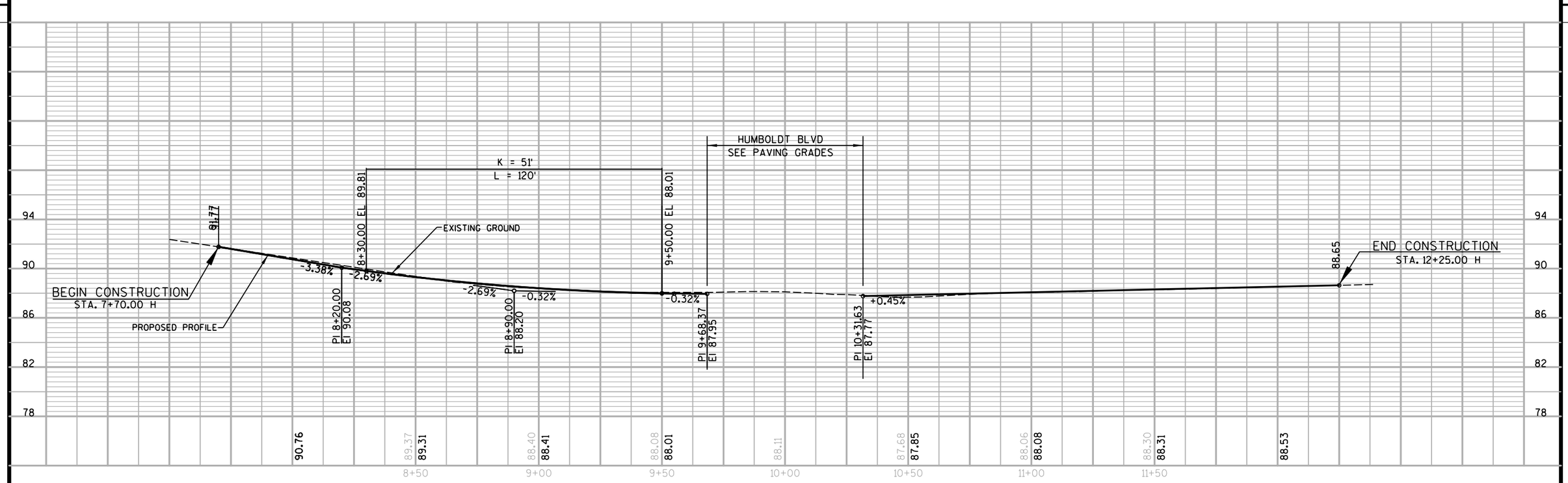
R/W

#1321
E. LOCUST ST.

STA 8+03 RT
CONSTRUCT ALLEY

STA 8+75 RT
CONSTRUCT C.E.

PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILES	SHEET 440	E



PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	PLAN AND PROFILE E. LOCUST ST.	SHEET 441	E

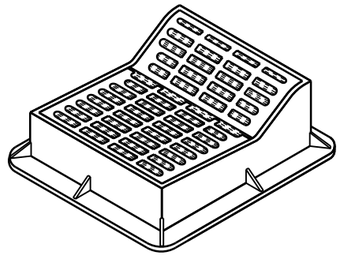
Standard Detail Drawing List

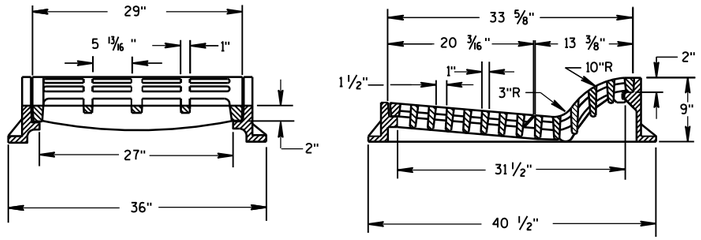
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D16-11	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C11-10	CONCRETE BASE TYPE 10
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09E01-15A	POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09E	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-09F	TYPE 10 SPECIAL POLE 35' MONOTUBE ARM
09E08-09G	TYPE 10 SPECIAL POLE 40' MONOTUBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
11B01-05	CONCRETE CORRUGATED MEDIAN
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C15-06A	CONCRETE BASE
13C15-06B	CONCRETE BASE
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
14A01-03	TREE PRESERVATION DETAILS
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-05A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-05B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C29-07A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15D06-04	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D11-07	TRAFFIC CONTROL, SINGLE LANE CROSSOVER
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

6

Standard Detail Drawing List

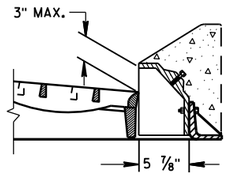
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D40-02A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

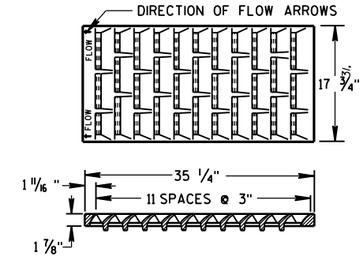
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

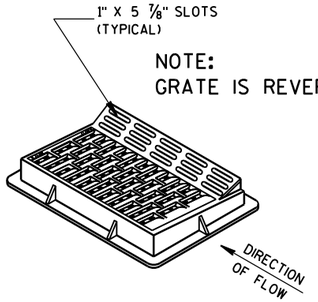
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

GENERAL NOTES

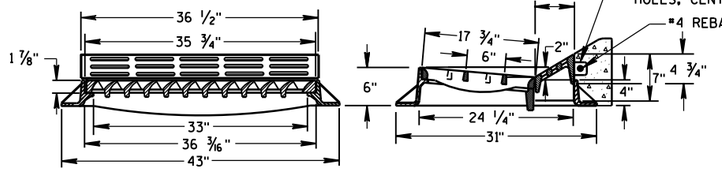
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





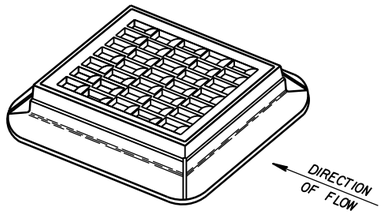
NOTE:
GRATE IS REVERSIBLE.

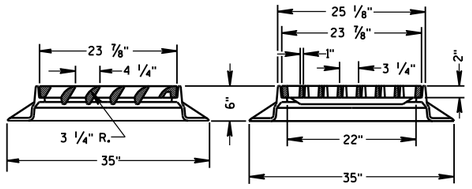


TYPE "HM"

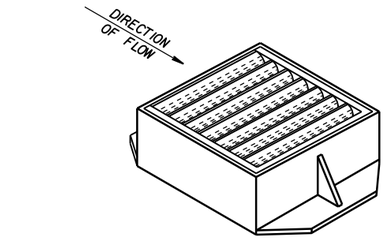
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

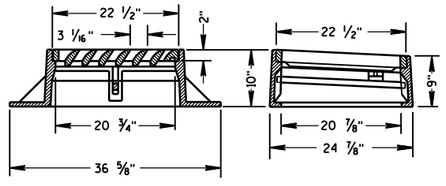
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



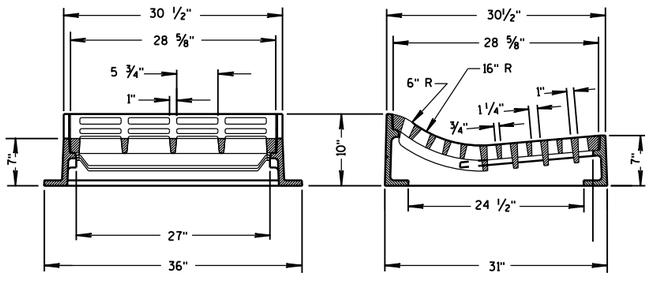


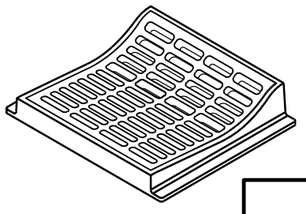
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
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APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

444

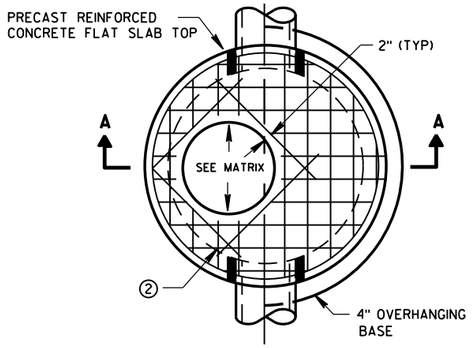
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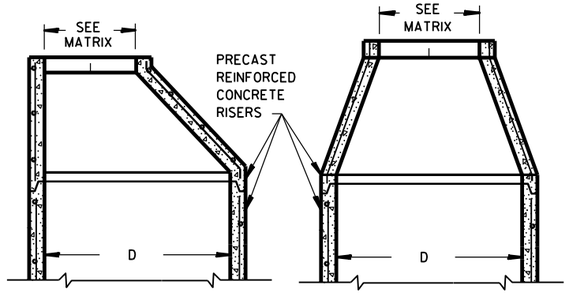
S.D.D. 8 A 5-19c

6

S.D.D. 8 A 5-19c

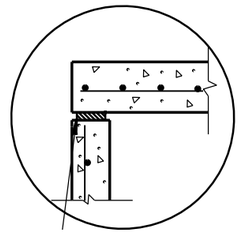


PLAN VIEW CIRCULAR OPENING

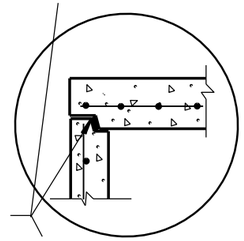


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

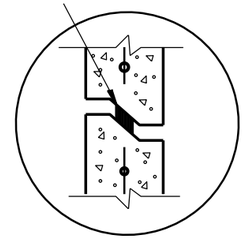


TOP WITH PLAIN END JOINT



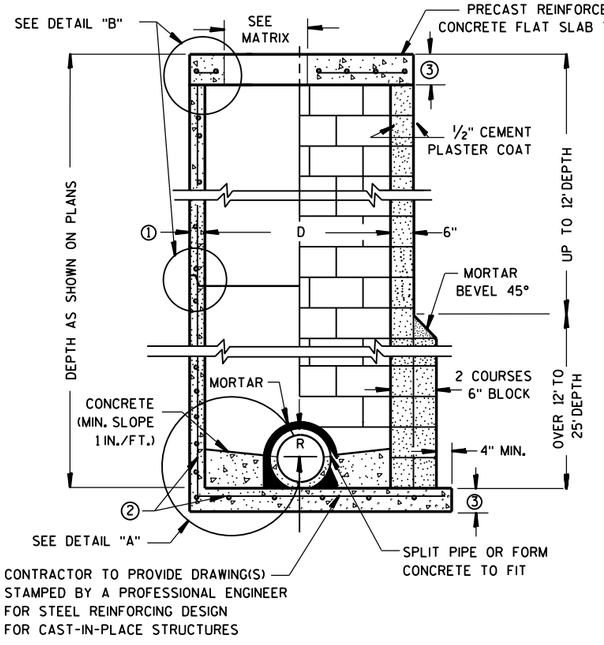
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



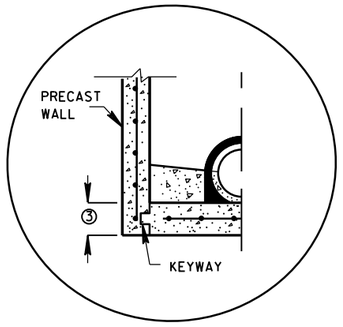
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

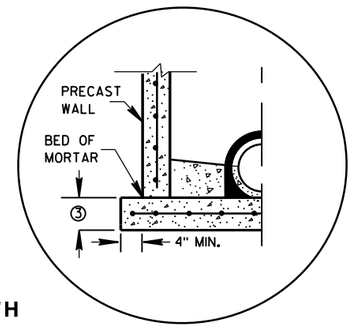


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

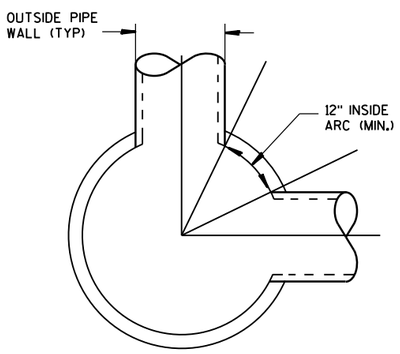


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

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APPROVED

Sept., 2016
DATE

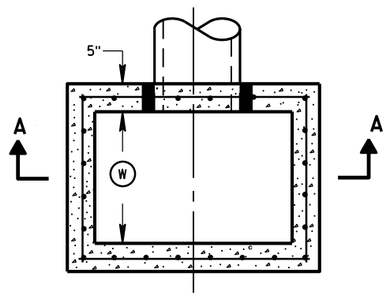
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

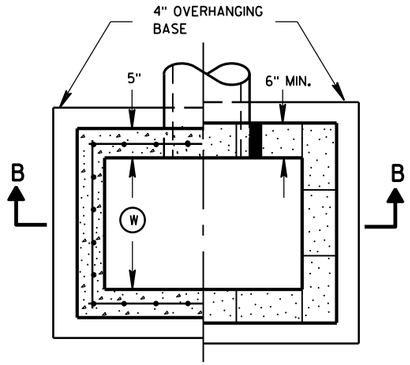
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

S.D.D. 8 B 9-2

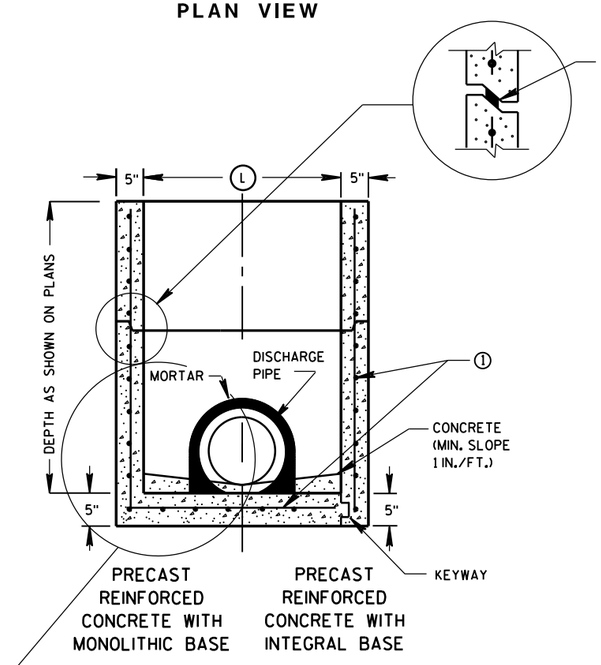
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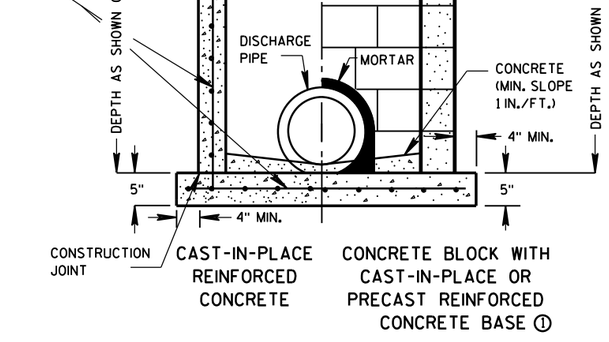
PLAN VIEW



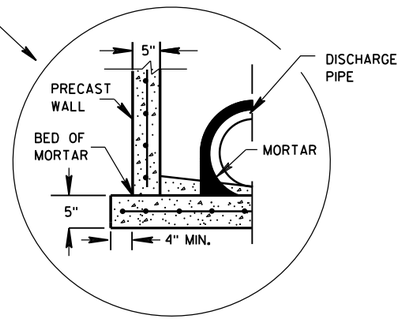
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

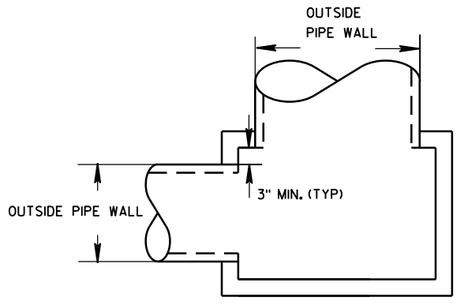
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

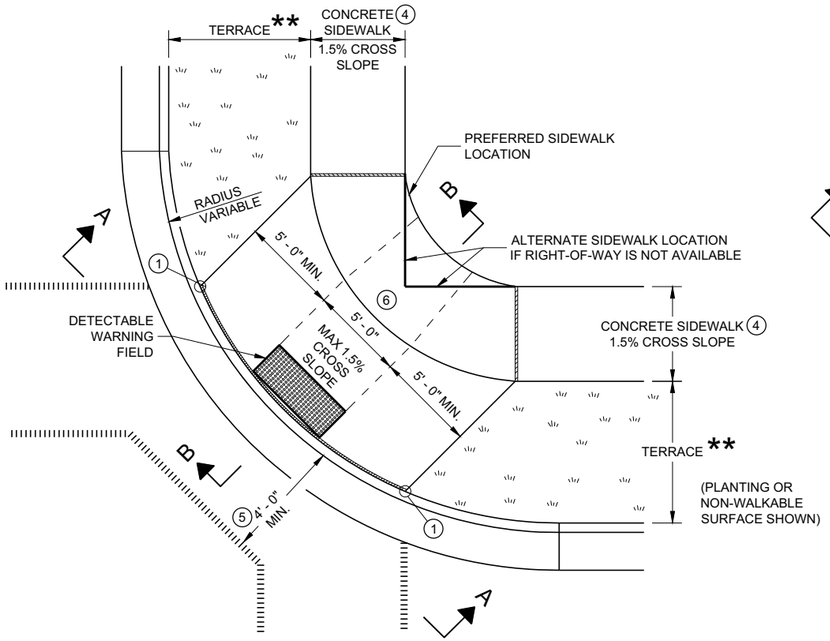
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

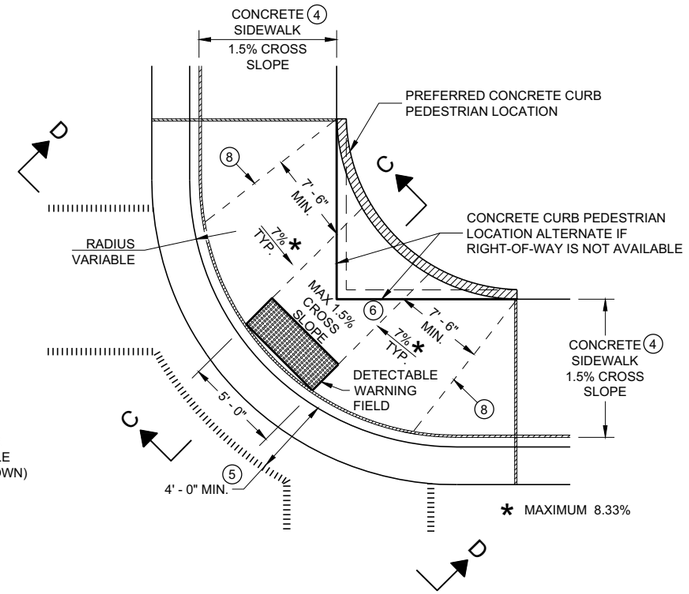
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S.D.D. 8 C 7-2



PLAN VIEW

CURB RAMP TYPE 1

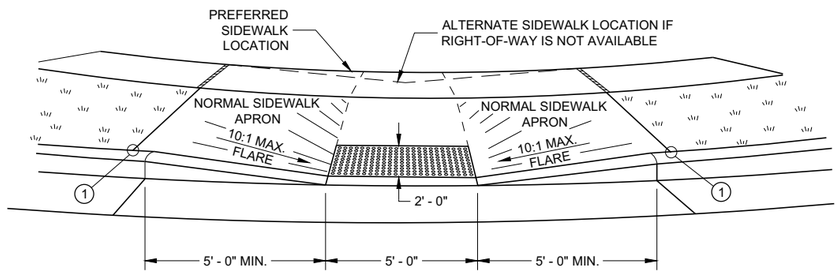
(CENTER OF CORNER RADIUS)



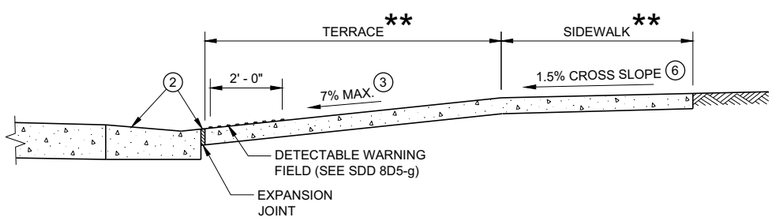
PLAN VIEW

CURB RAMP TYPE 1 - A

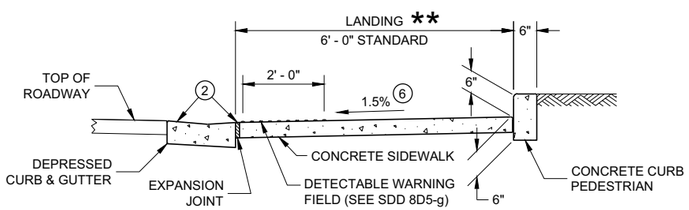
(NO TERRACE)



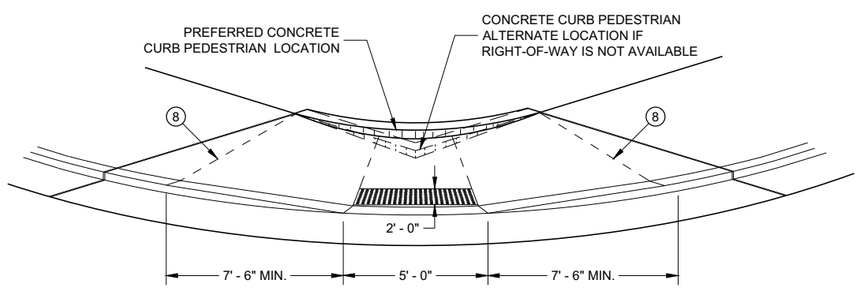
VIEW A - A FOR TYPE 1



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

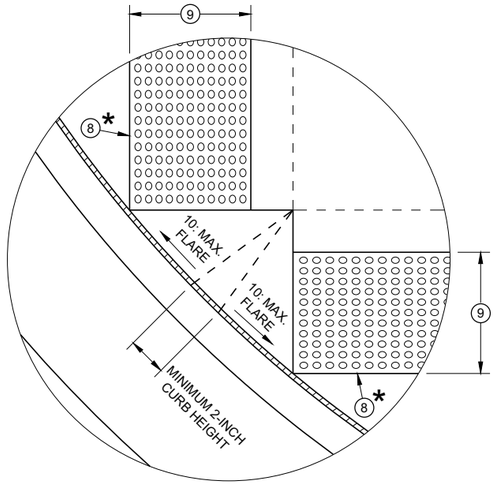
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

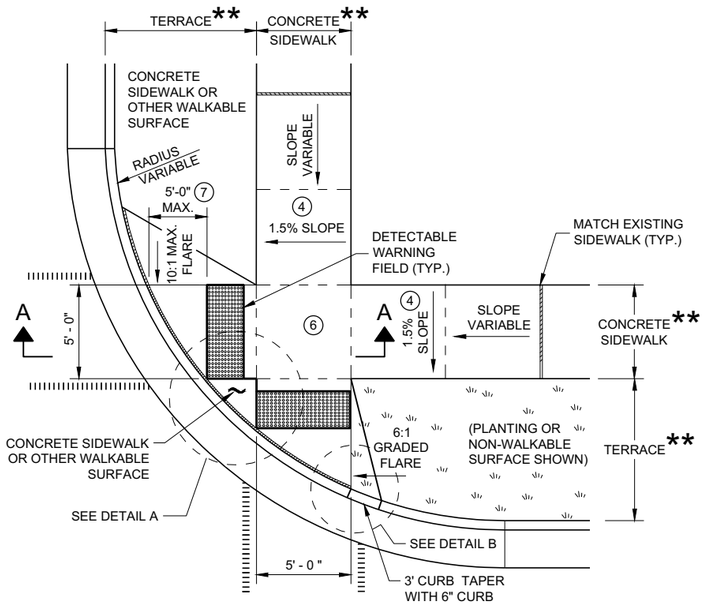
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

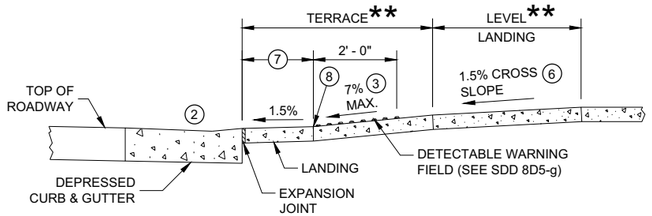
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

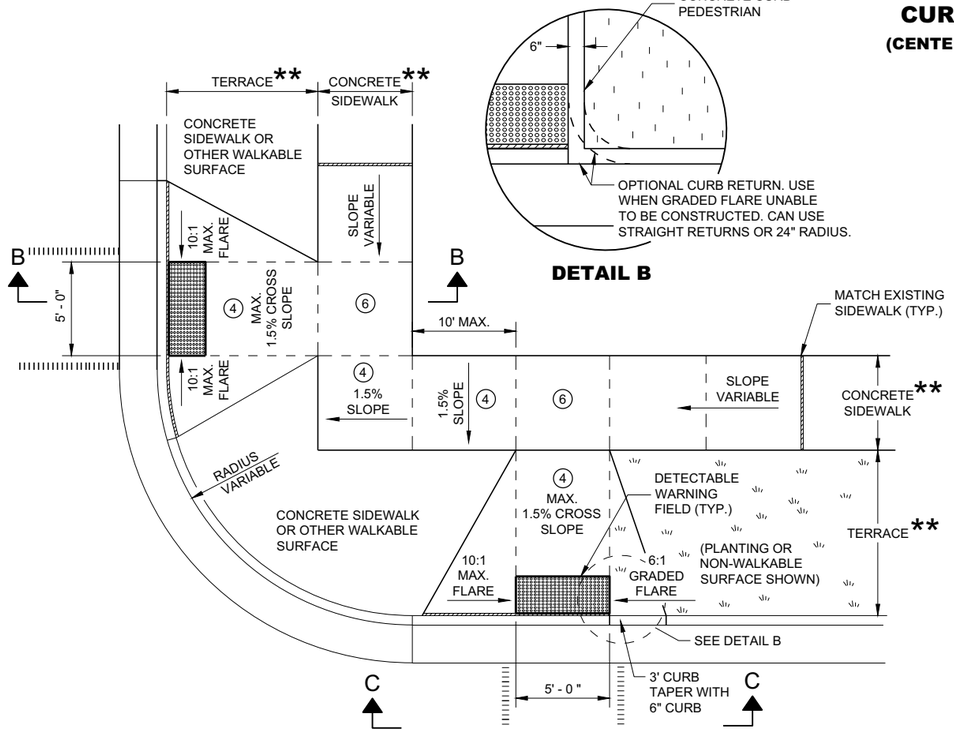
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

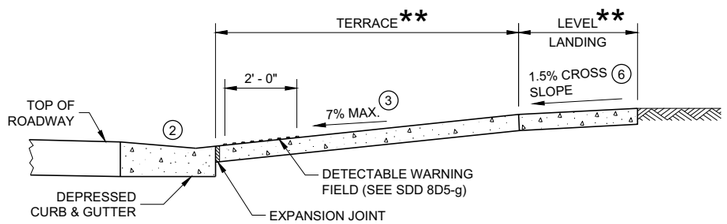
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

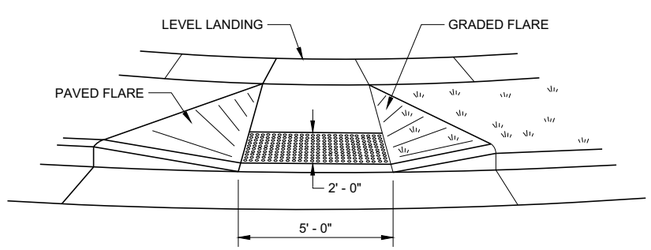


DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

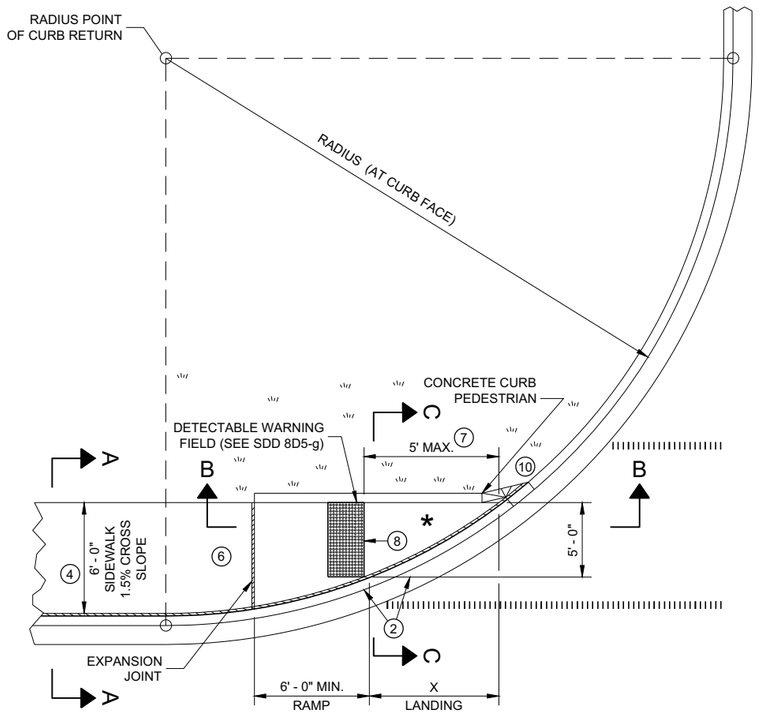
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

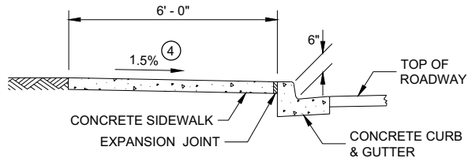


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

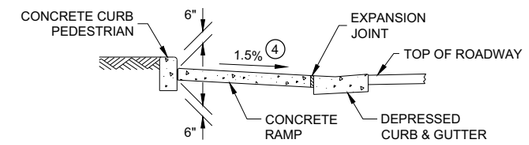
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

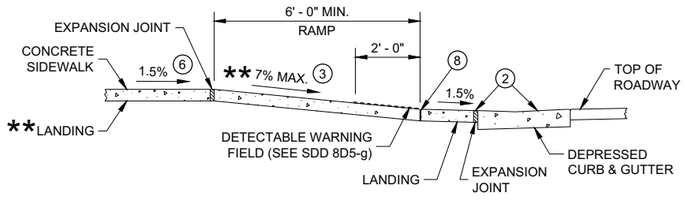
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



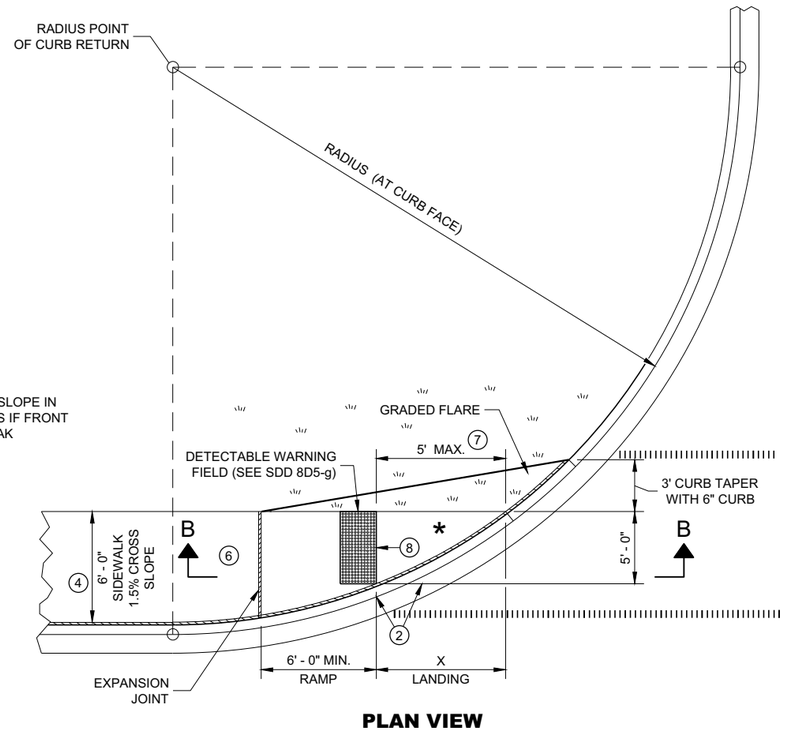
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

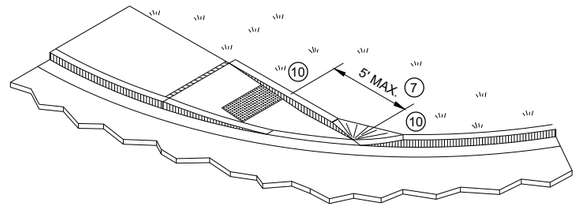
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

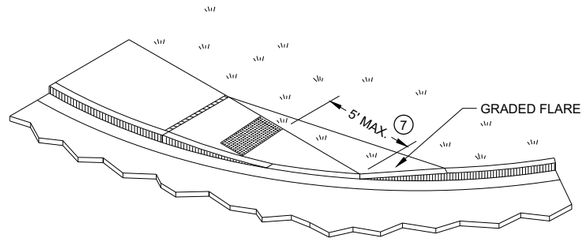


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



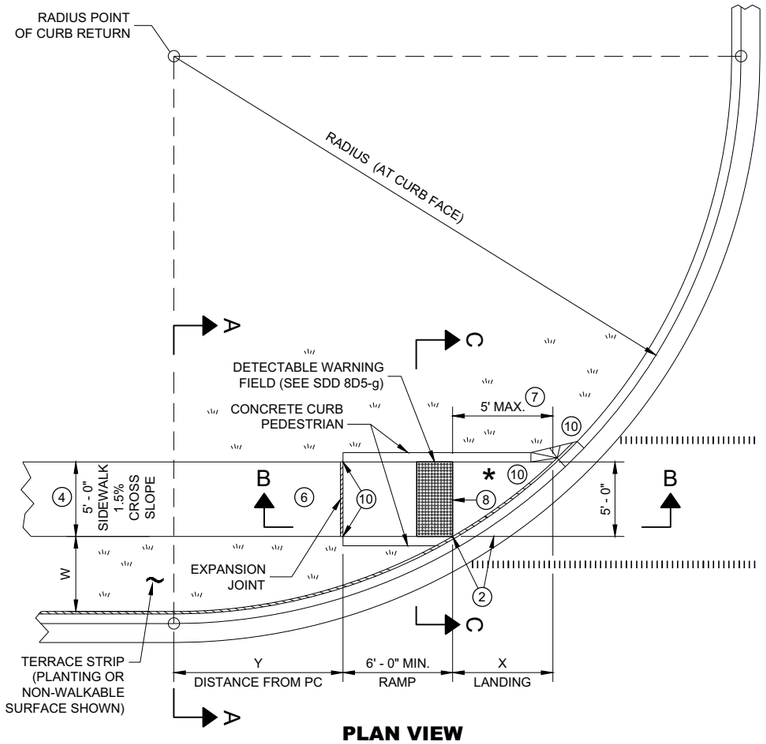
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

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PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

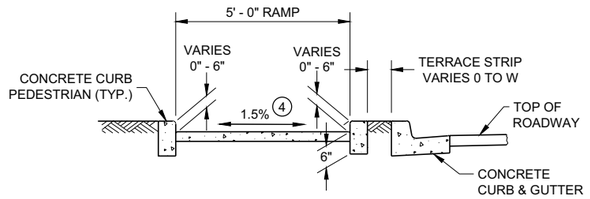
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

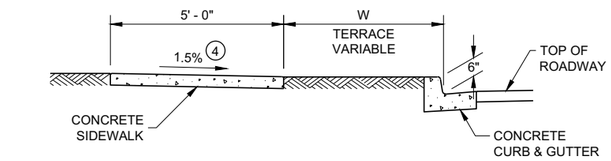
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

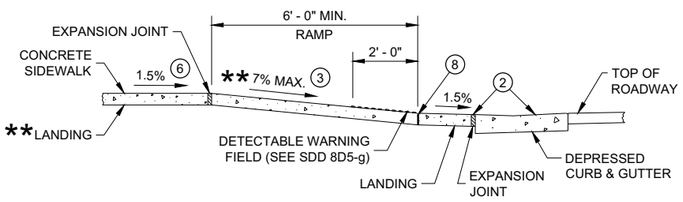
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



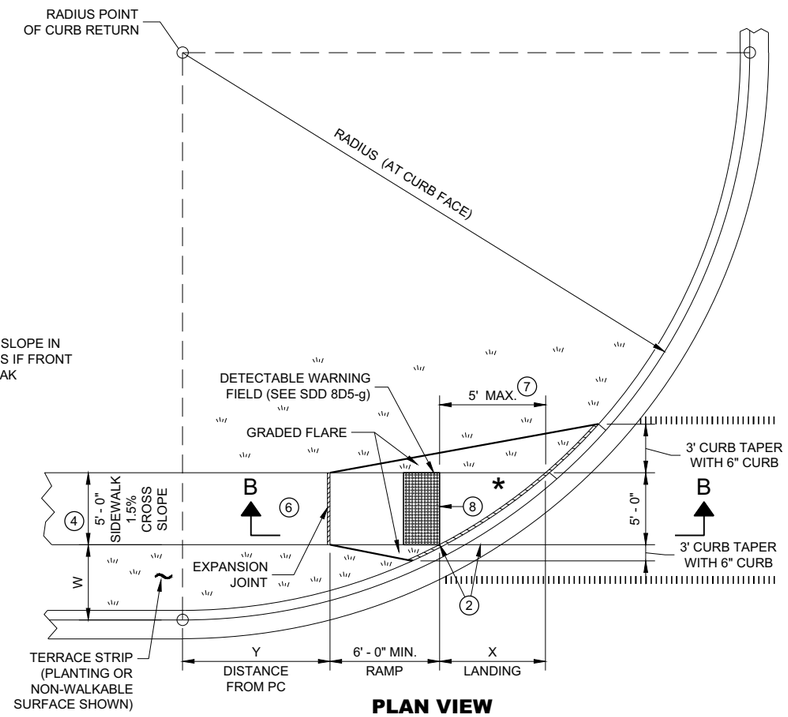
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

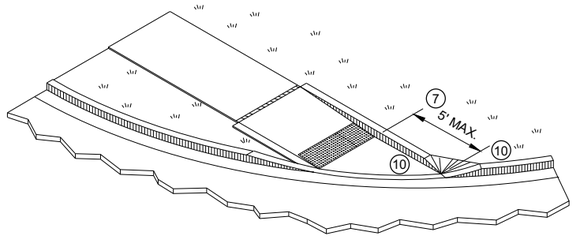
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

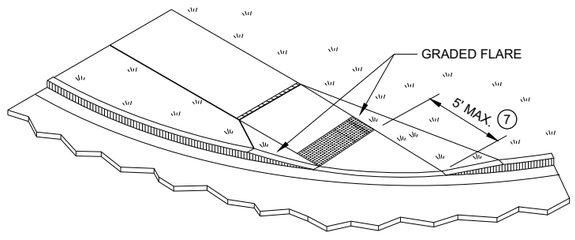


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



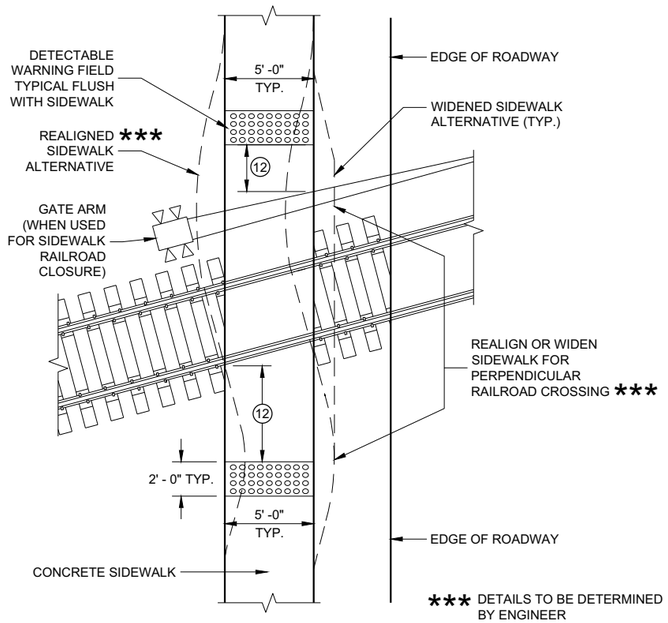
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

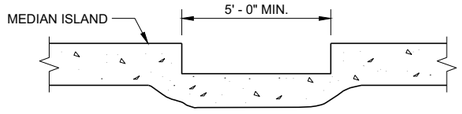
6

SDD 08D05 - 20d

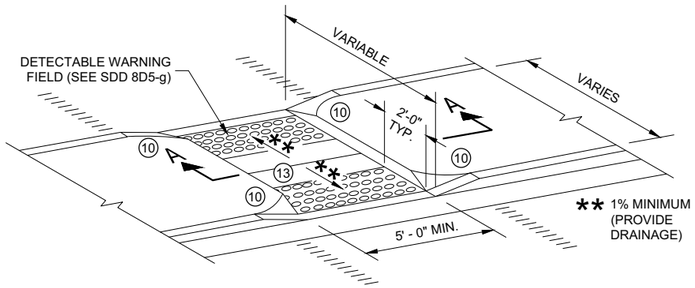


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

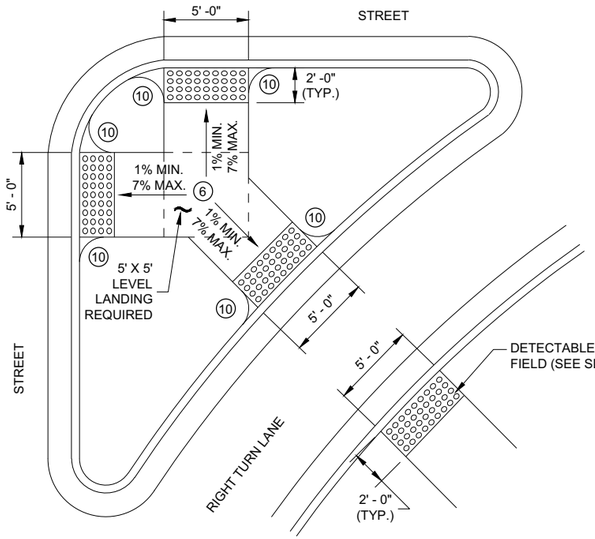
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

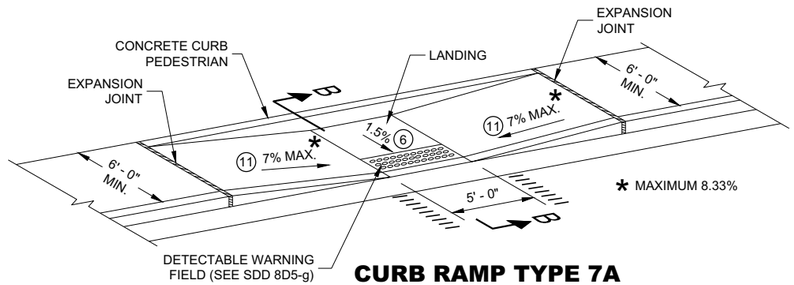
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

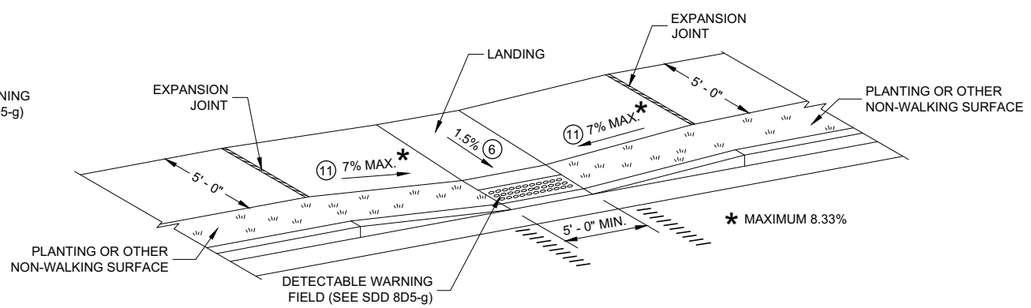
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

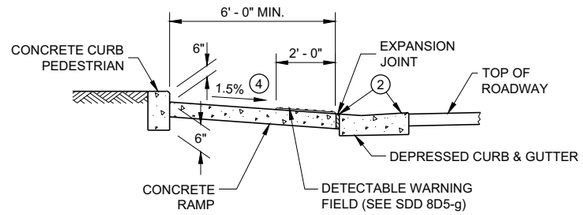
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

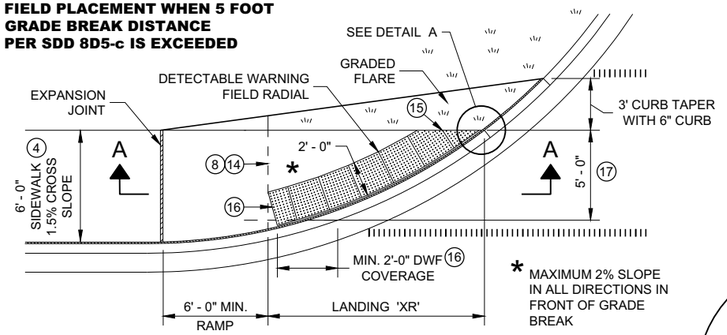
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

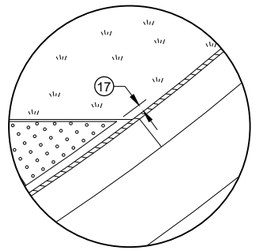
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



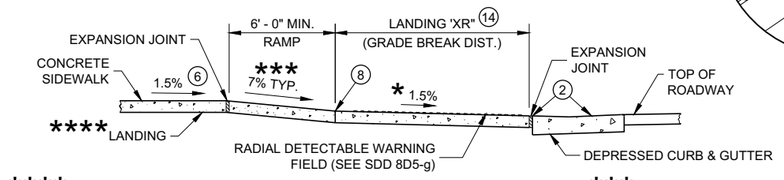
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

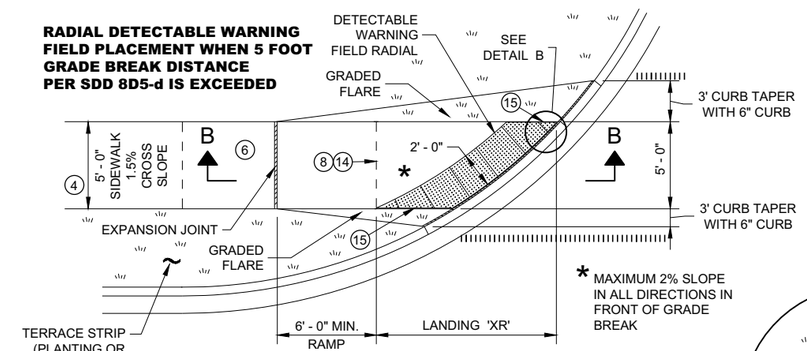


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

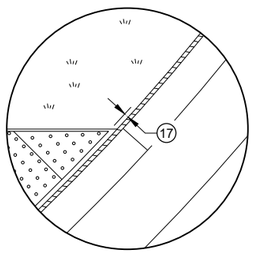
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



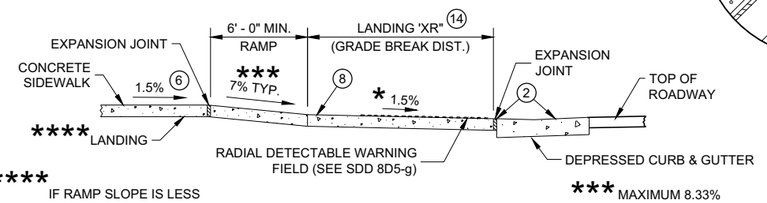
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

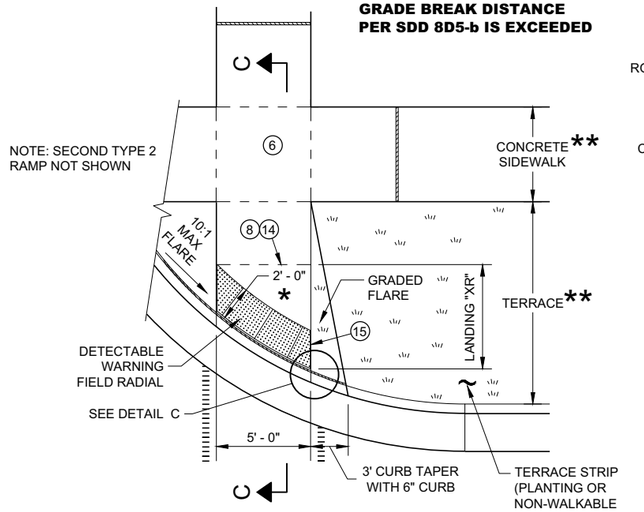
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

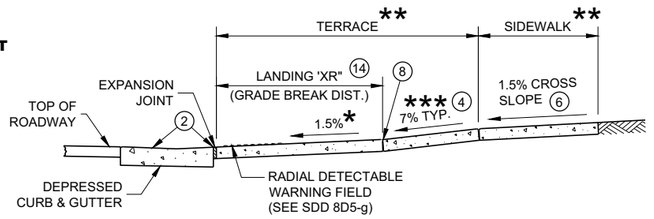


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

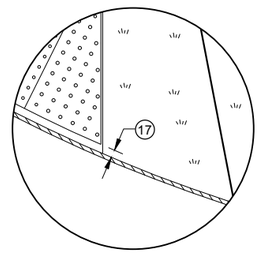


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

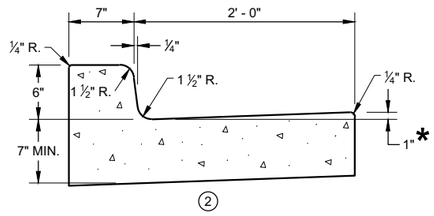


DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

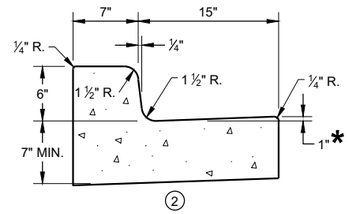
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

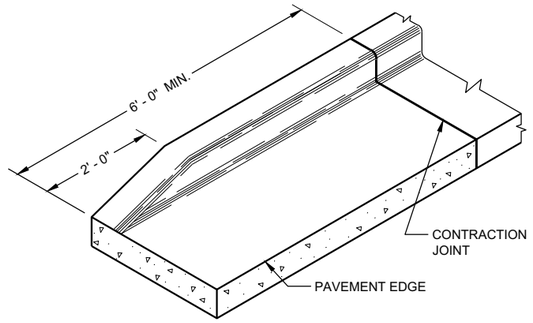


CONCRETE CURB AND GUTTER 31" ①

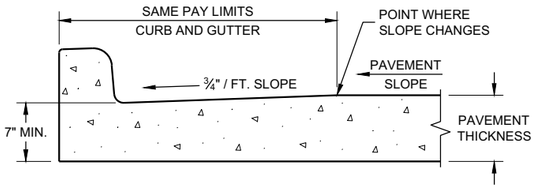
*TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



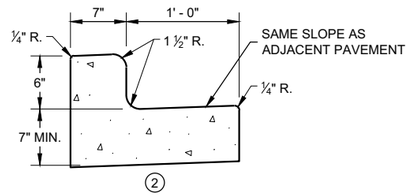
CONCRETE CURB AND GUTTER 22" ①



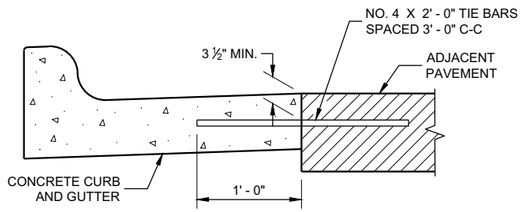
END SECTIONCURB AND GUTTER



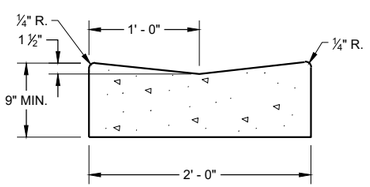
PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER



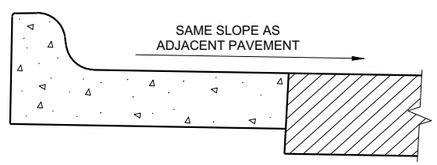
CONCRETE CURB AND GUTTER 19" ①



TYPICAL TIE BAR LOCATION ①



CONCRETE GUTTER 24" ①



HIGH SIDE SECTION ③

(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

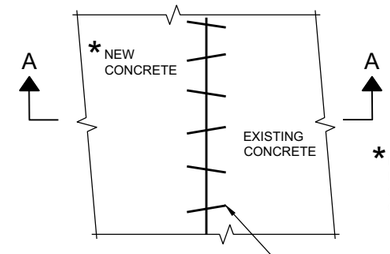
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

① WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUITED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".

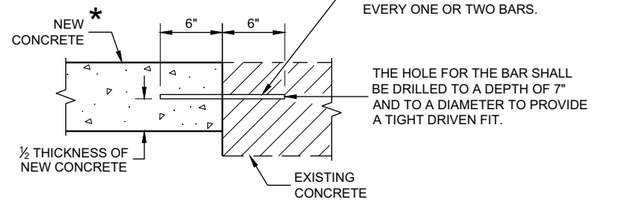
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLANS



PLAN VIEW

* EXISTING AND NEW CONCRETE MAY BE CURB AND GUTTER, SURFACE DRAINS, PAVEMENT OR OTHER CONCRETE STRUCTURE.



SECTION A - A

PAVEMENT TIES

CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES

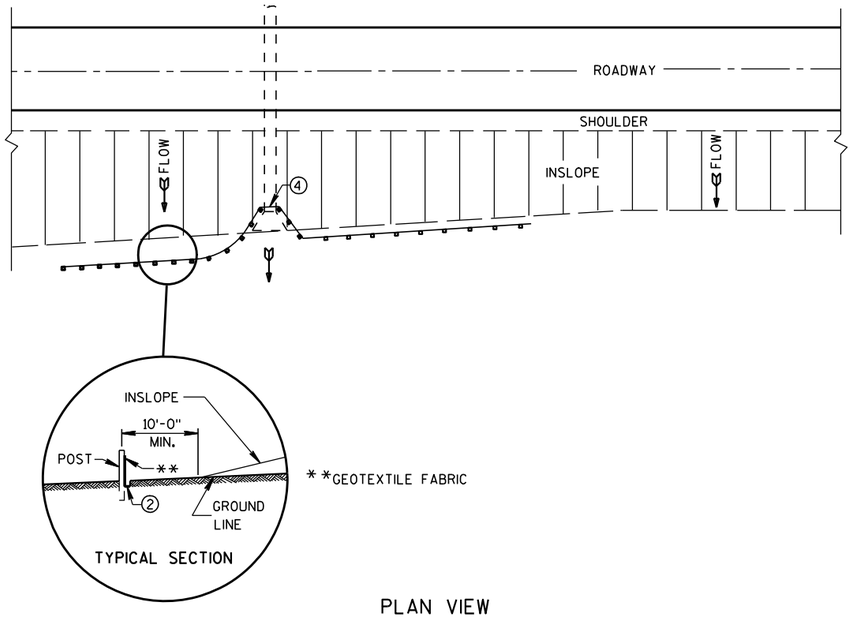
(For Optional use in Milwaukee Co. Only)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

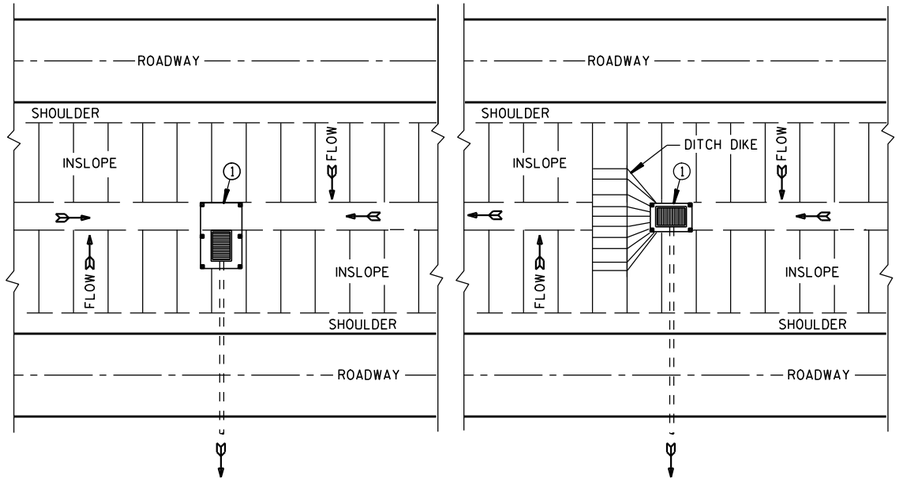
6

SDD 08D16 - 11



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



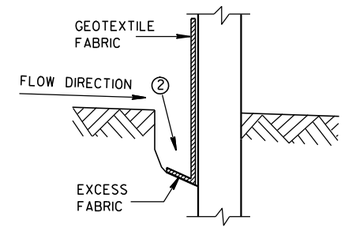
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

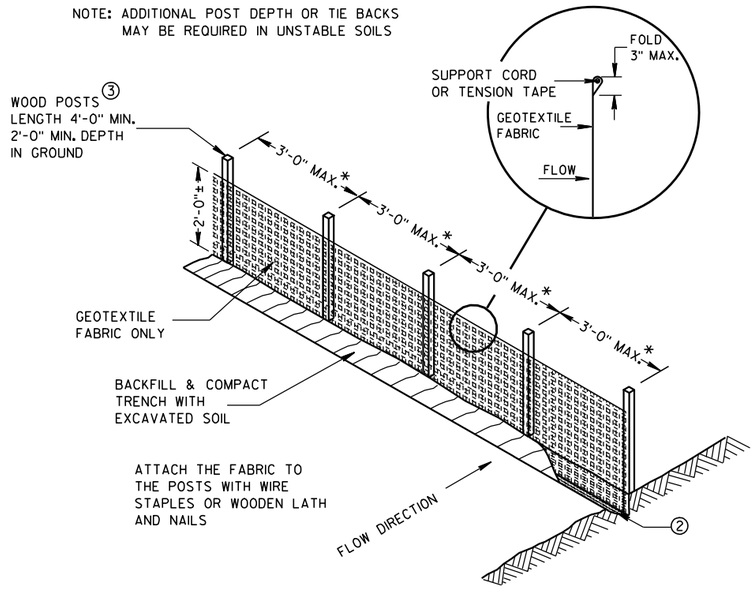
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

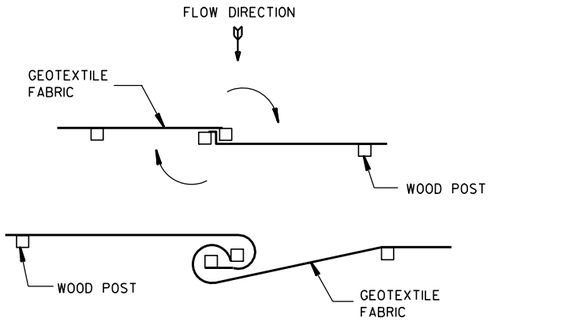
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



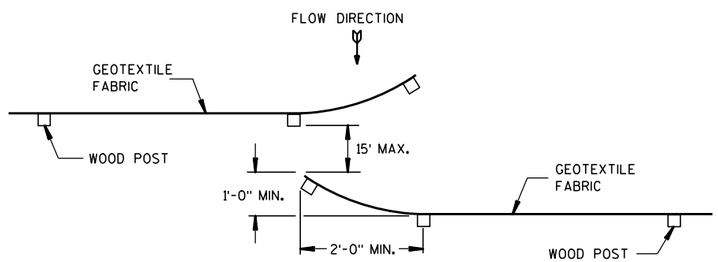
TRENCH DETAIL



SILT FENCE

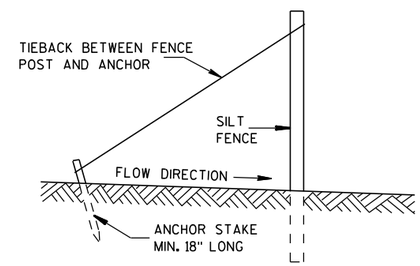


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

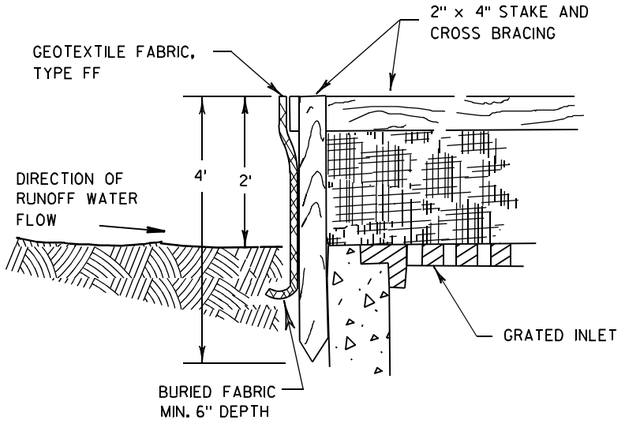
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

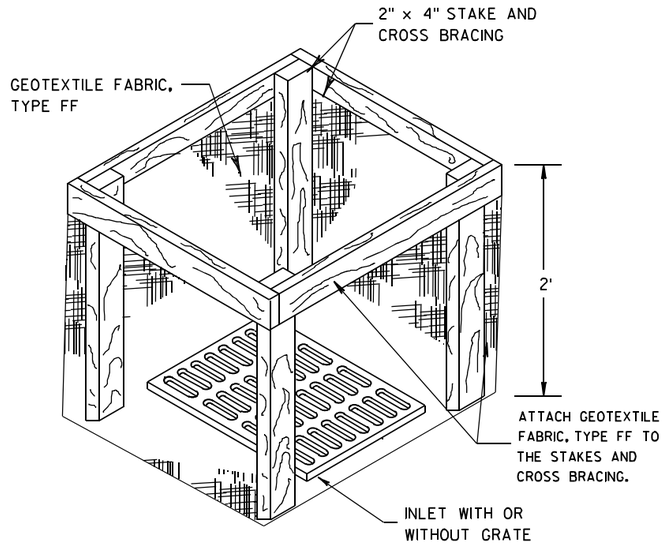
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S.D.D. 8 E 9-6

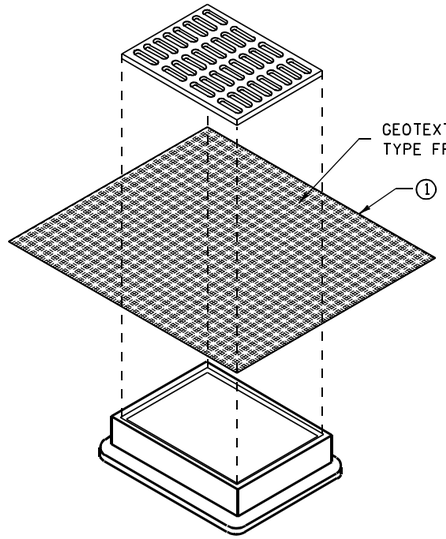
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S.D.D. 8 E 9-6



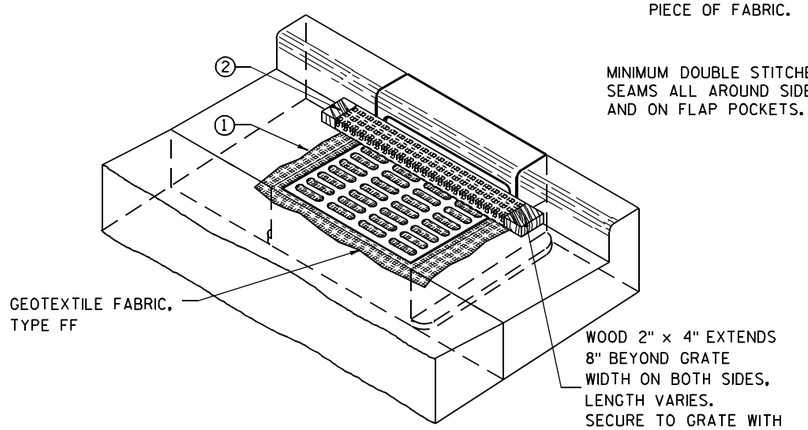


INLET PROTECTION, TYPE A

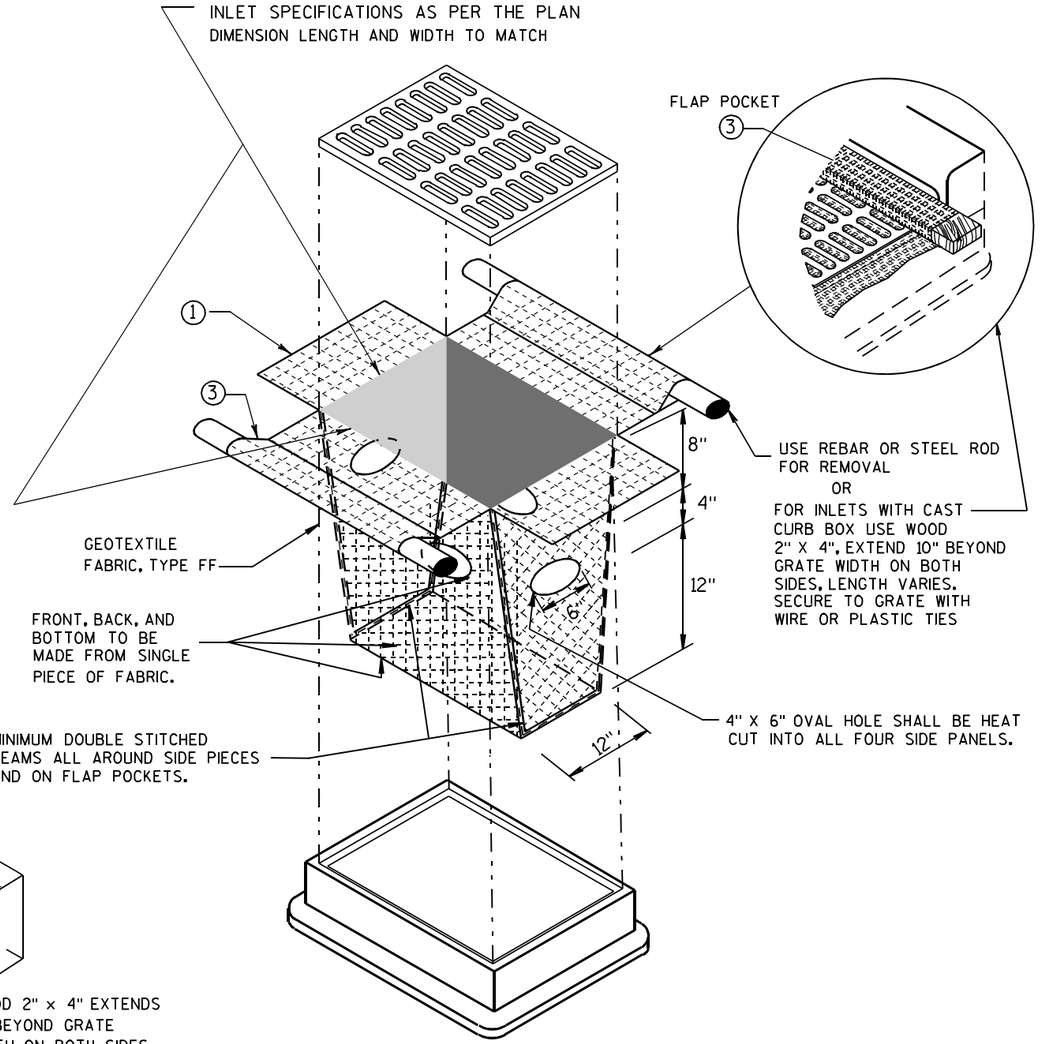


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

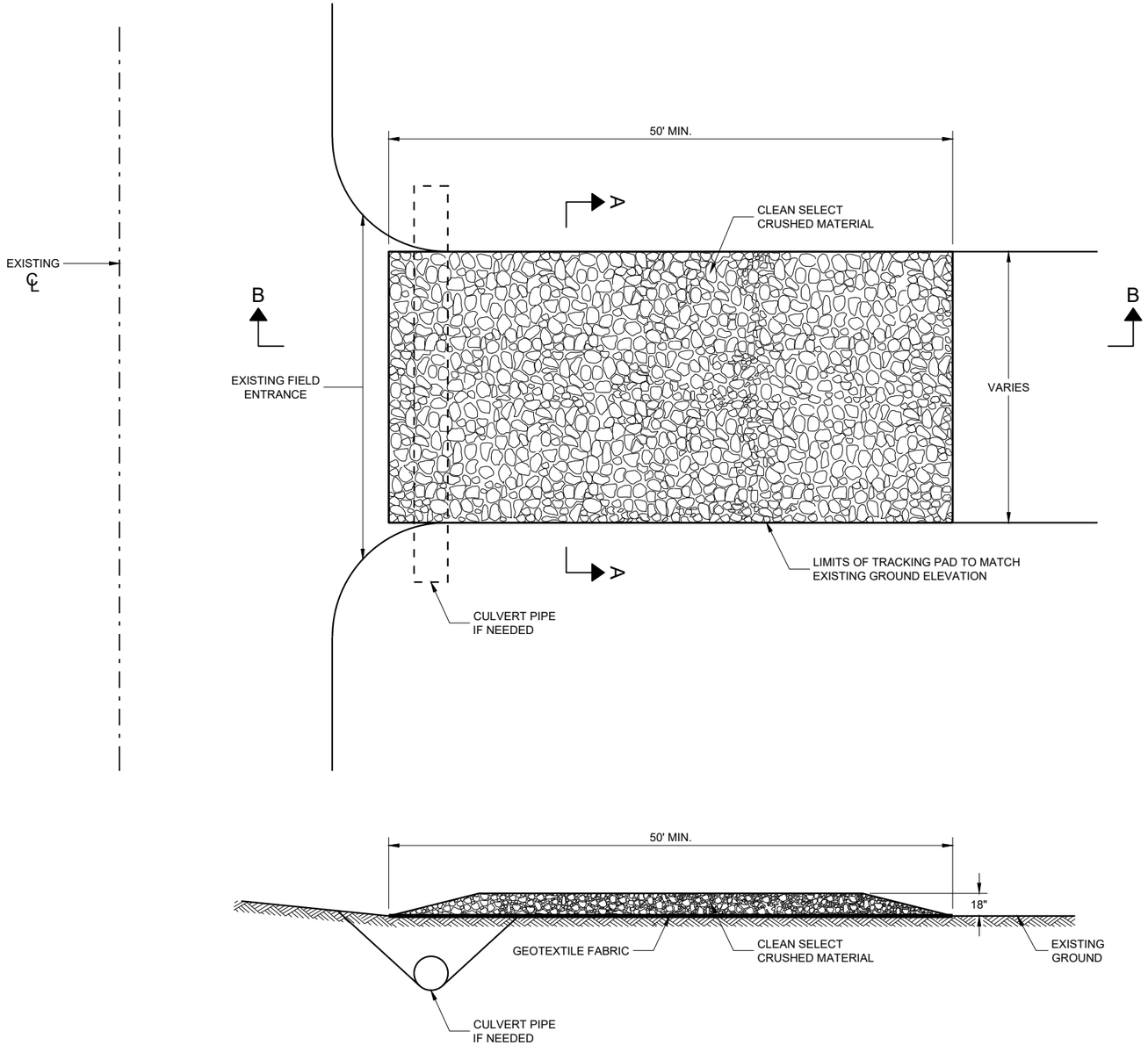
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

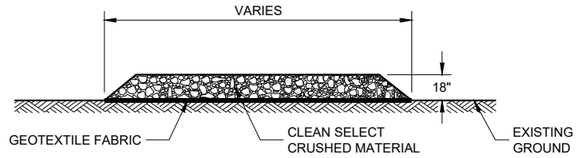
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

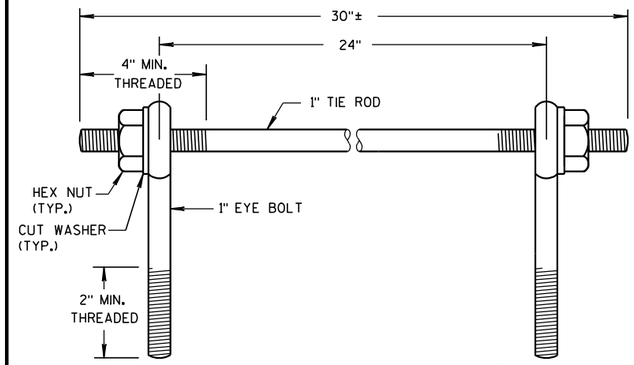
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

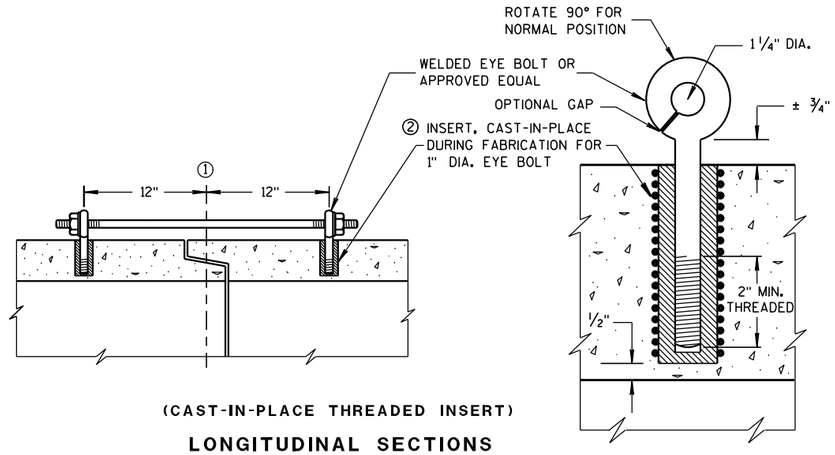
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SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

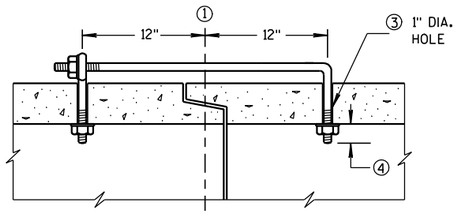
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

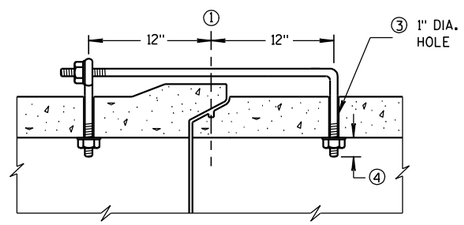
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

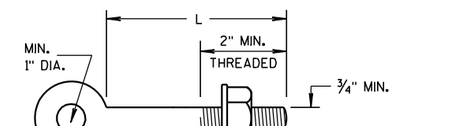


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

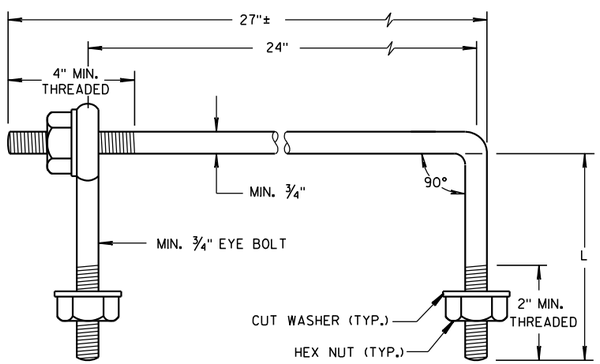
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

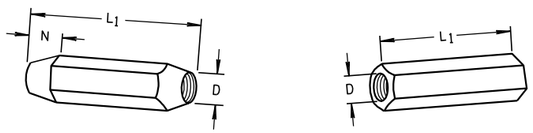
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

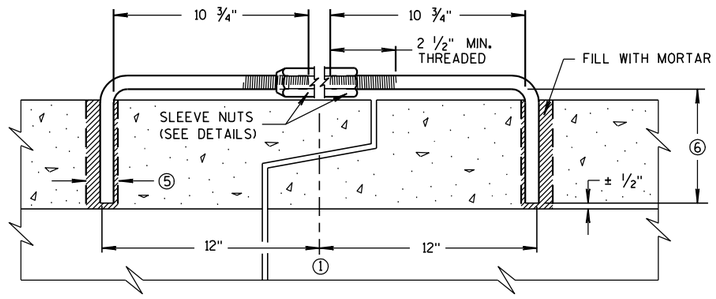
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

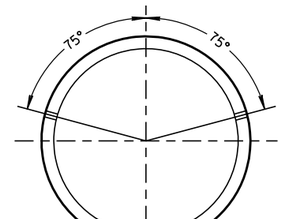
SLEEVE NUTS



LONGITUDINAL SECTION

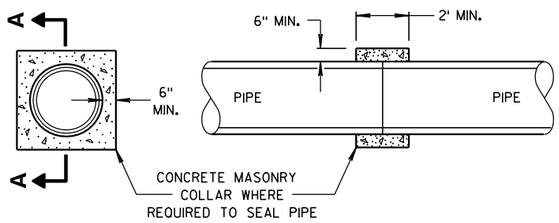
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

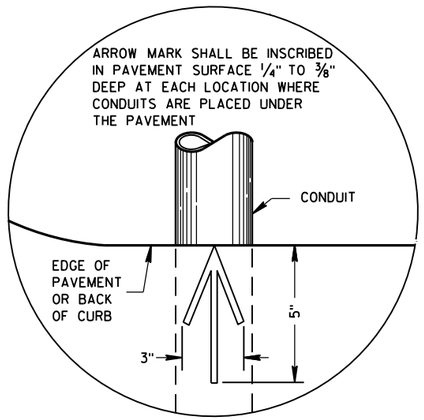
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
457
FHWA

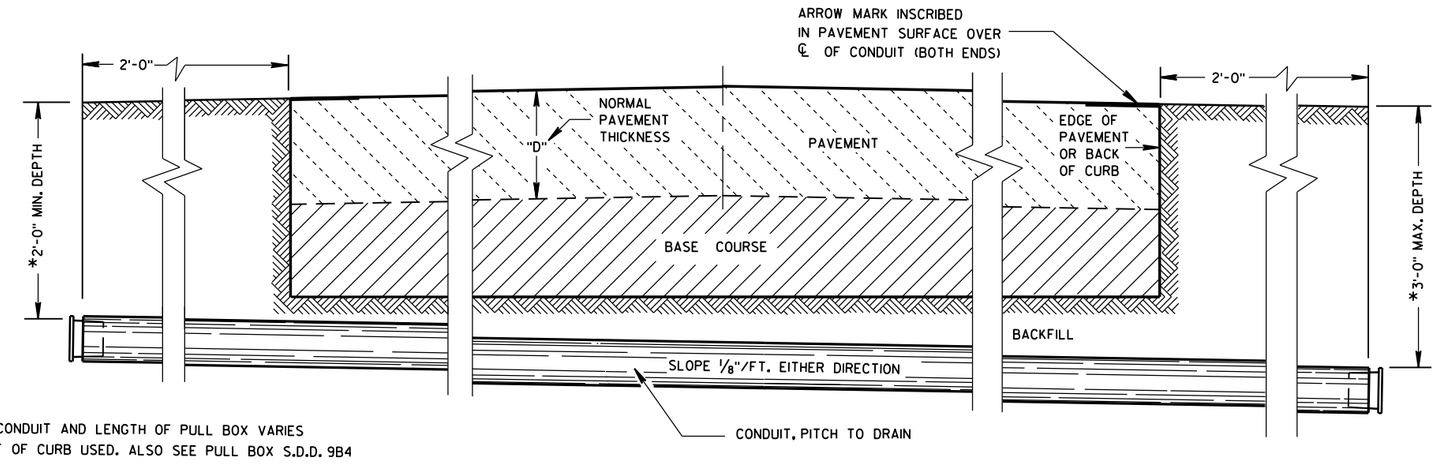
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S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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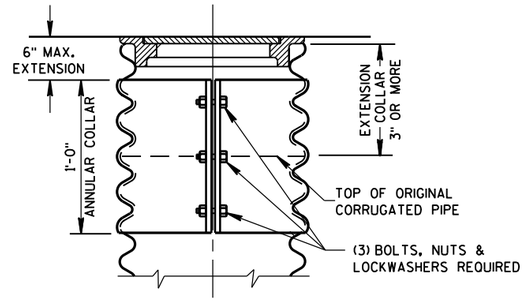
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

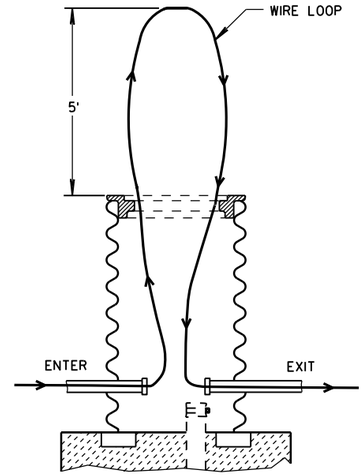
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

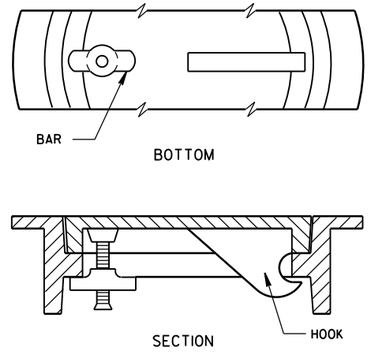
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

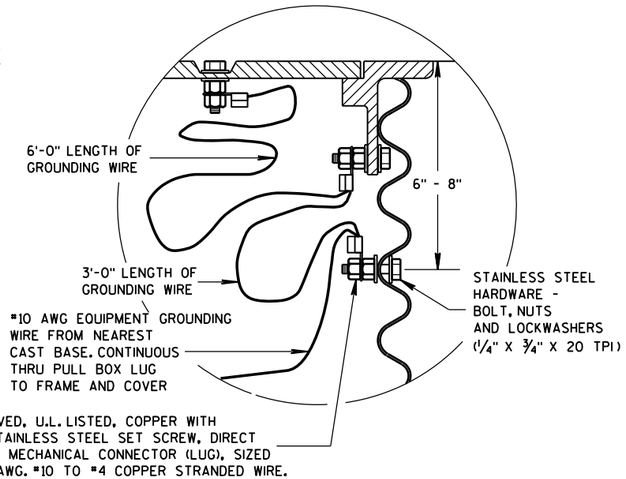


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

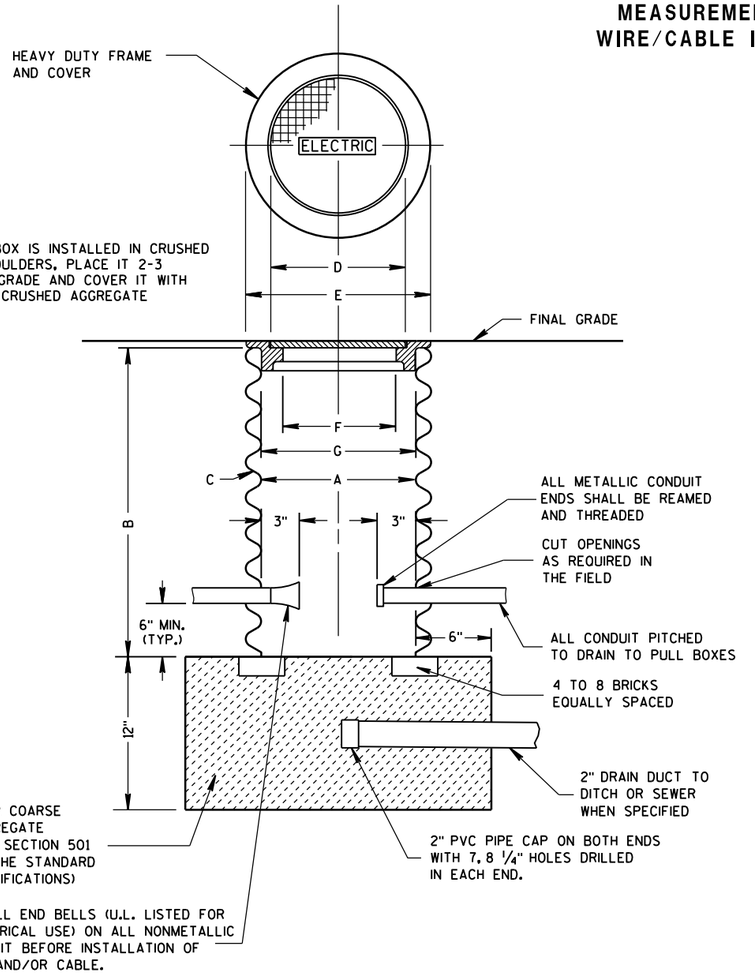


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

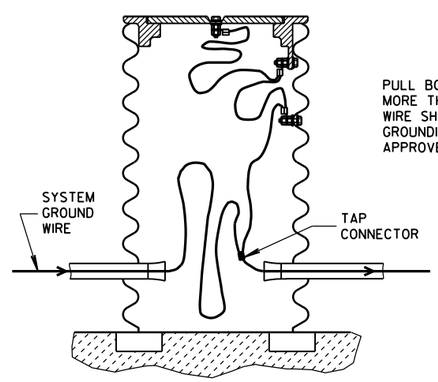
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

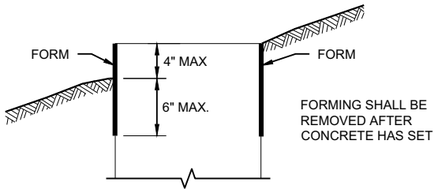
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

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S.D.D. 9 B 4-11

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

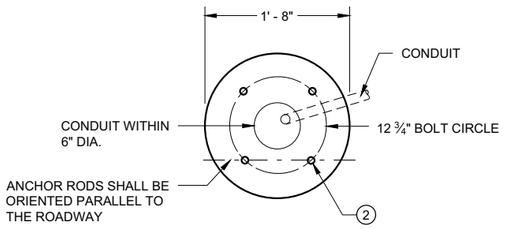
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

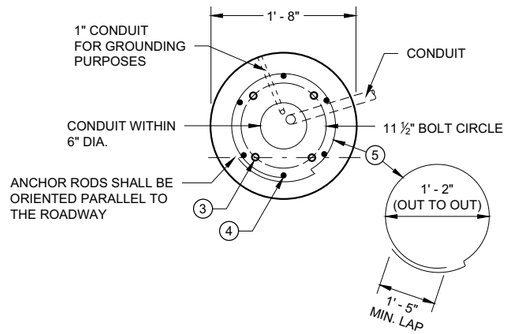
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

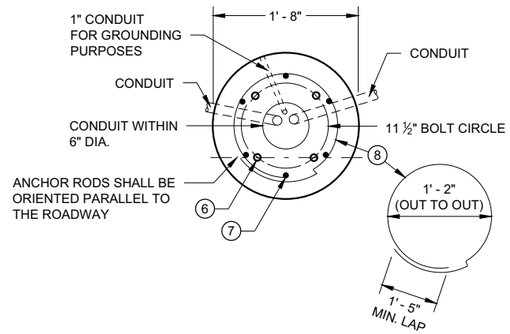
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

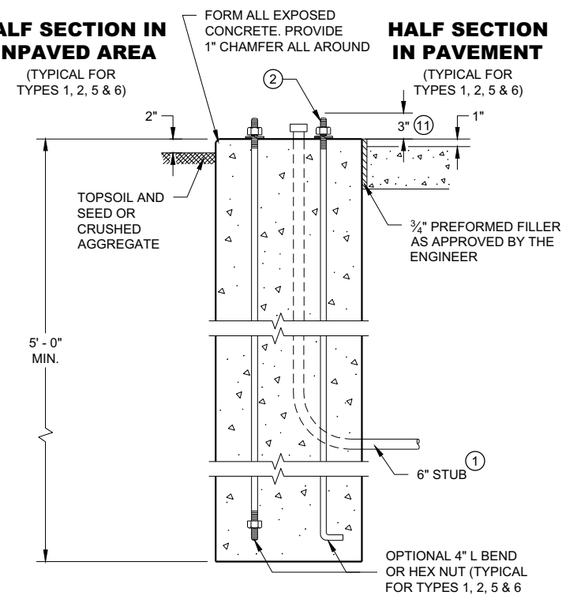
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

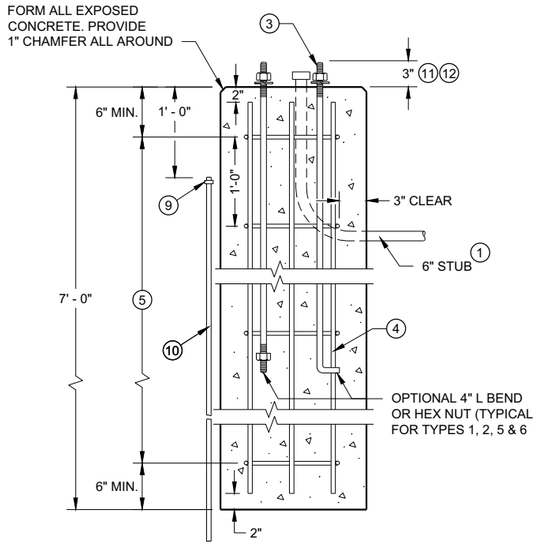
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

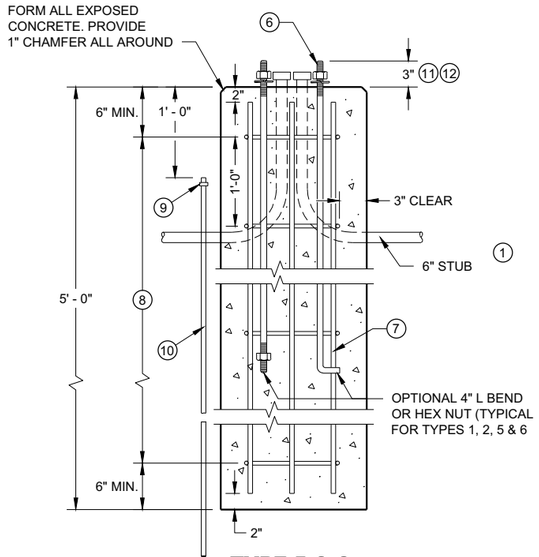
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 460

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

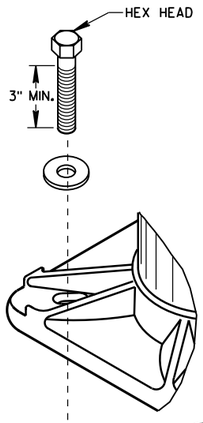
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

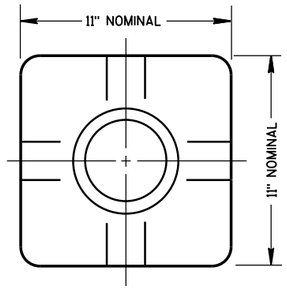
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

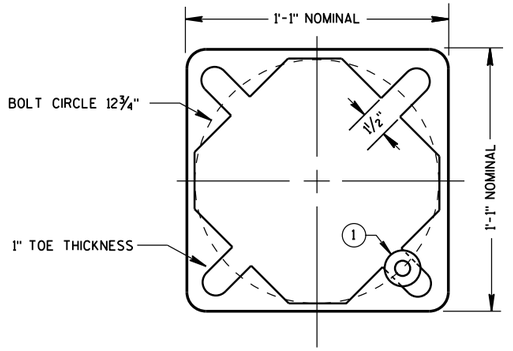
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

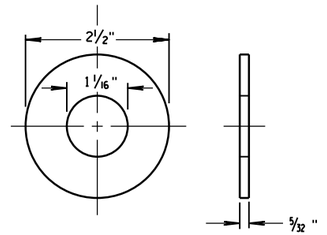




TOP VIEW
(PEDESTAL BASE)

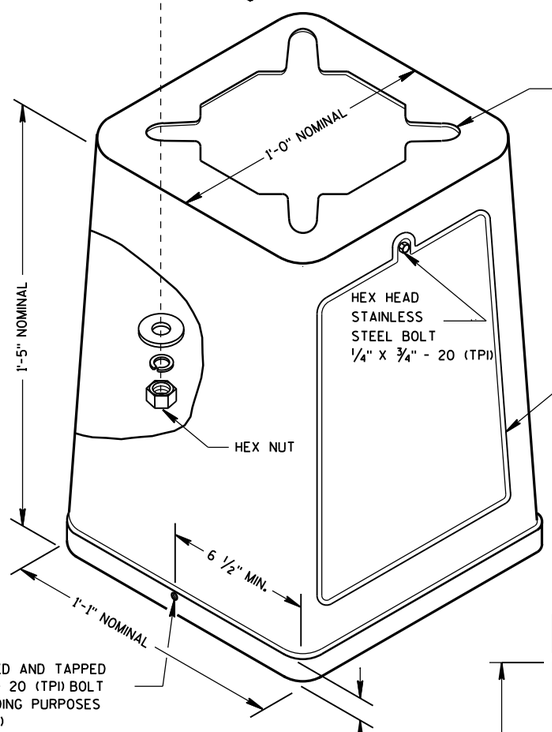


BOTTOM VIEW
(PEDESTAL BASE)

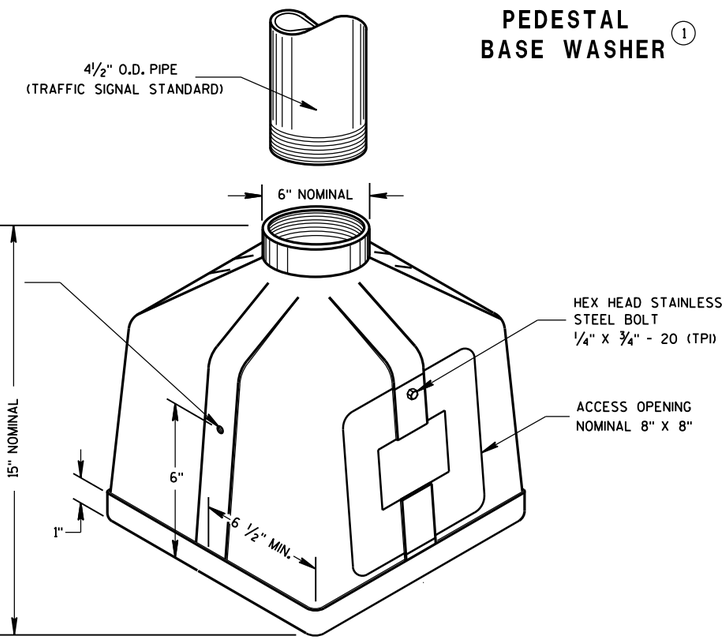


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

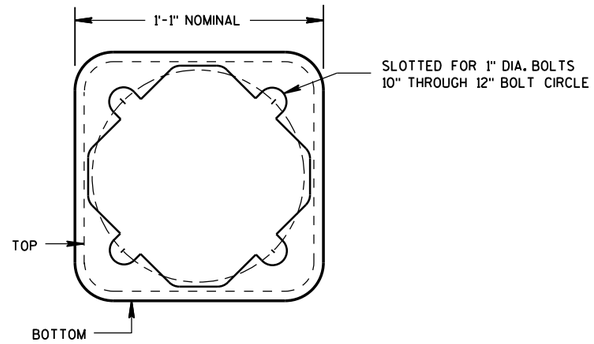


ISOMETRIC VIEW

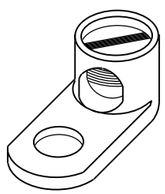


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

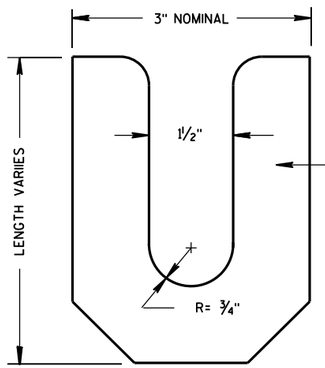


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

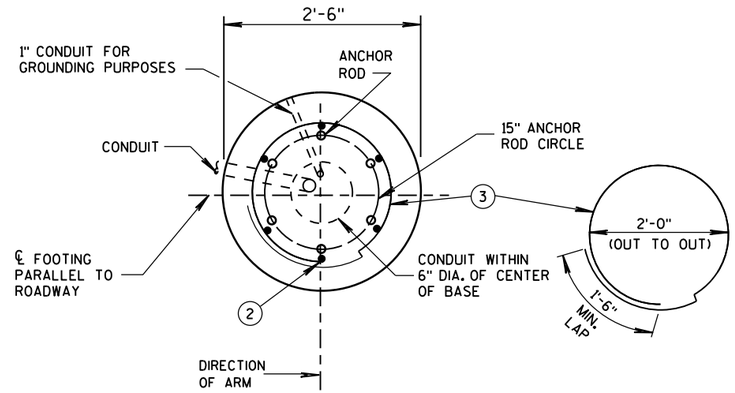
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

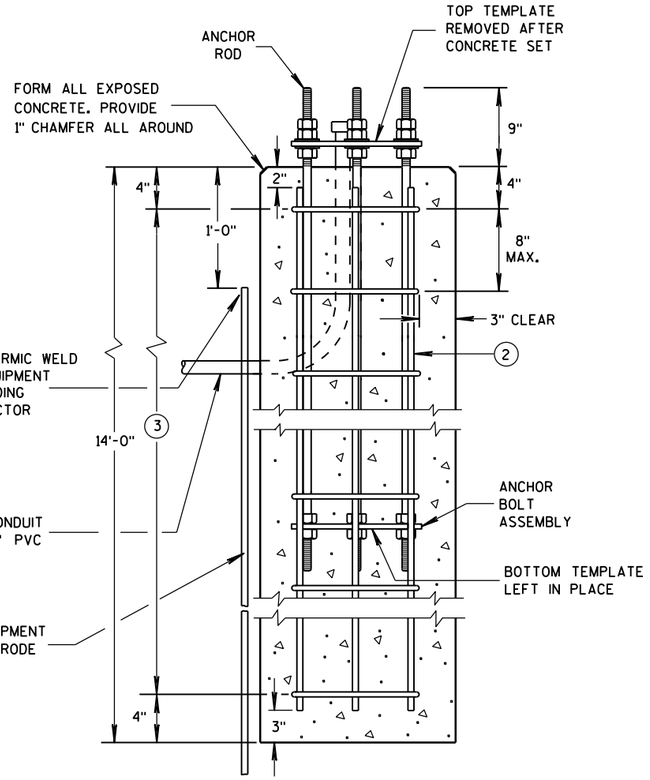
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES. (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.

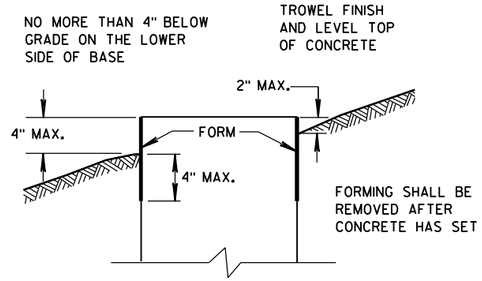




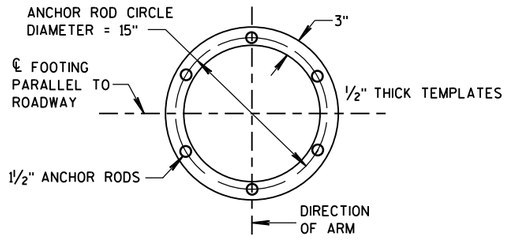
CONCRETE BASE TYPE 10

(FOR TYPE 9 & 10 & OVER HEIGHT (OH) POLES)

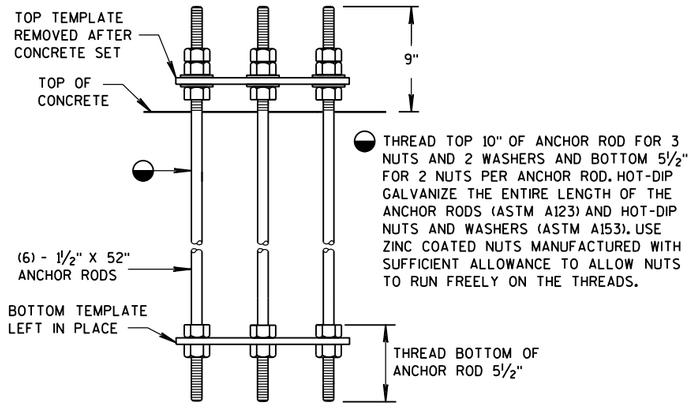
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2017 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL

FHWA

6

S.D.D. 9 C 11-10

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

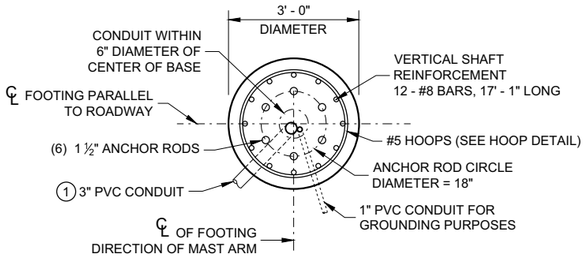
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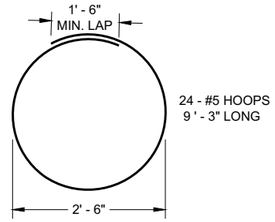
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(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

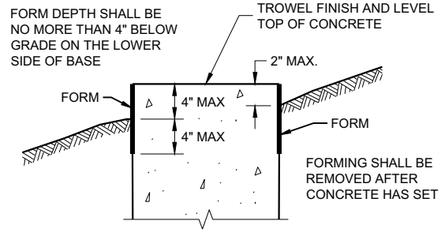
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



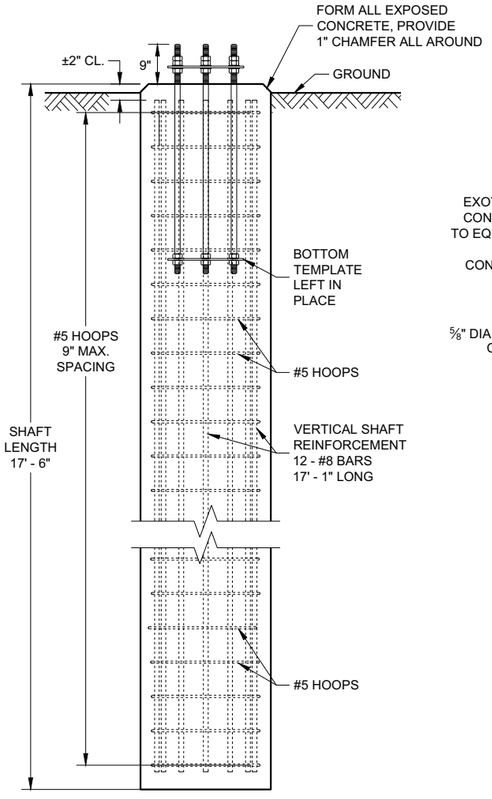
PLAN VIEW



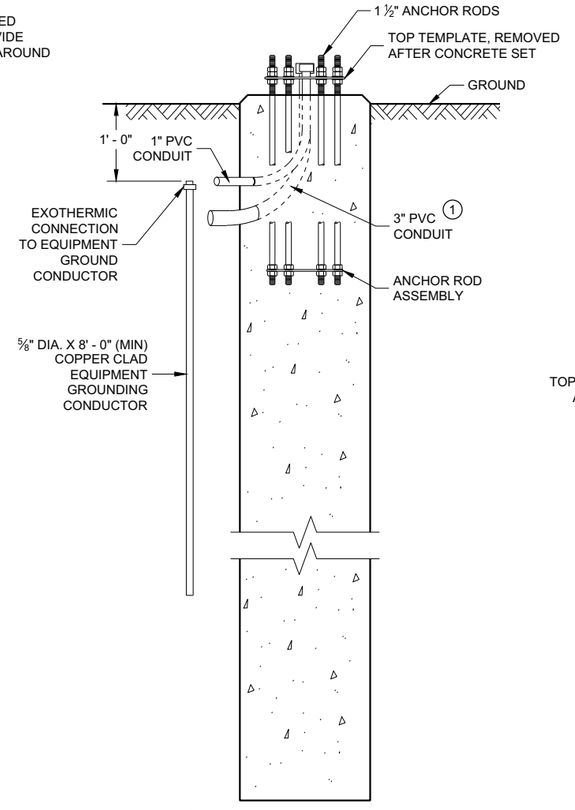
HOOP DETAIL



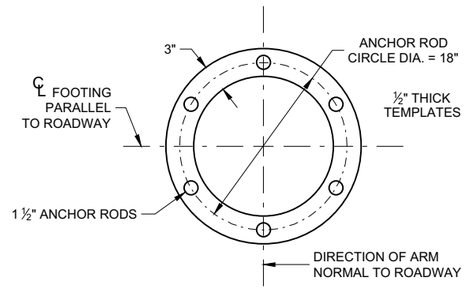
FORMING DETAIL



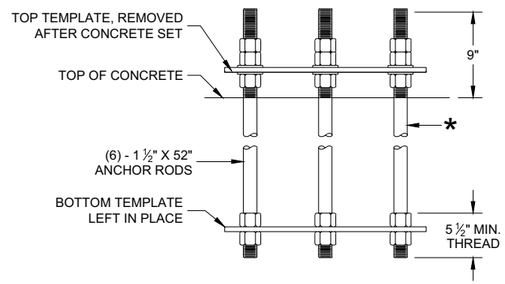
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



SIDE VIEW
(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

CONCRETE = 4.6 CUBIC YARD
H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

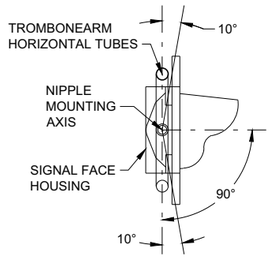
APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

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SDD 09C15 - 01

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SDD 09C15 - 01

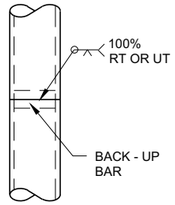


SECTION A-A

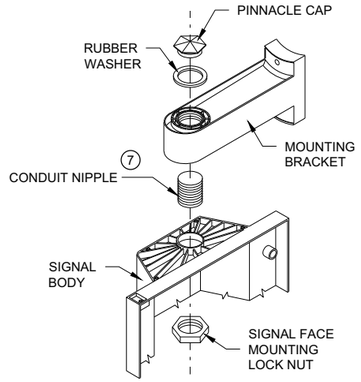
(10 DEGREES TILT REQUIREMENT OF FACE(S) IN THE TROMBONE MOUNTING)

FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



POLE SPLICE DETAIL



SIGNAL FACE MOUNTING DETAIL

(BANDED)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THEPERTINENT REQUIREMENTS OF THE CONTRACT.

POLES SHALL BE EITHER ALUMINUM OR GALVANIZED STEEL AS CALLED FOR IN THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

TYPE 2 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING,PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) ASREQUIRED, TO PLUMB THE SIGNAL FACES.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

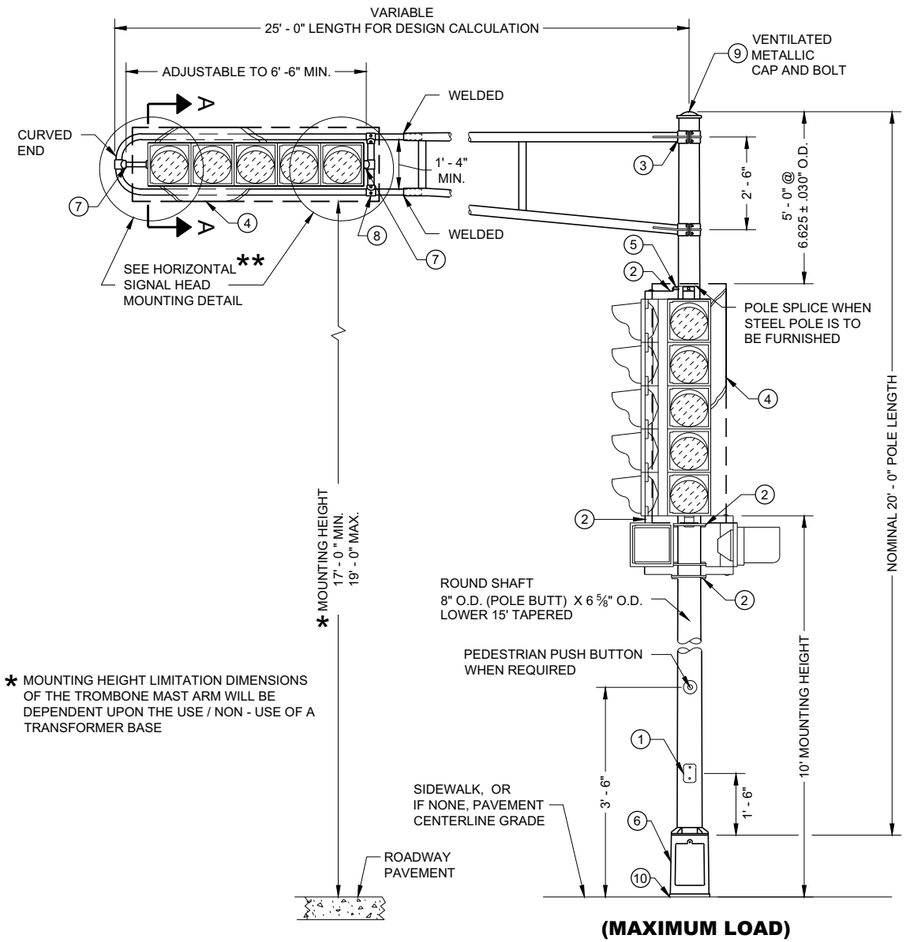
(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOTINTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUTIS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

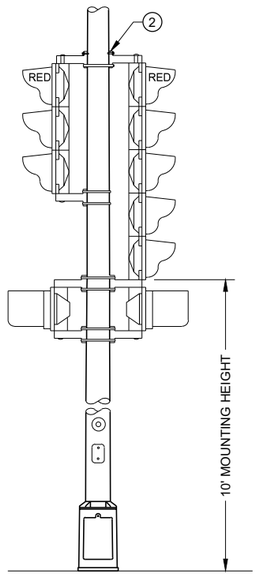
(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

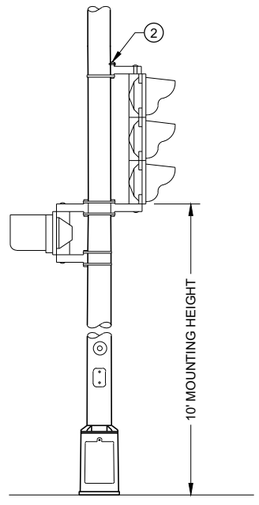


* MOUNTING HEIGHT LIMITATION DIMENSIONS OF THE TROMBONE MAST ARM WILL BE DEPENDENT UPON THE USE / NON - USE OF A TRANSFORMER BASE

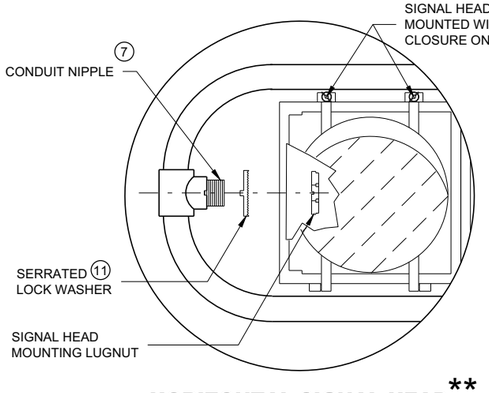
(MAXIMUM LOAD)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD MOUNTING DETAIL **

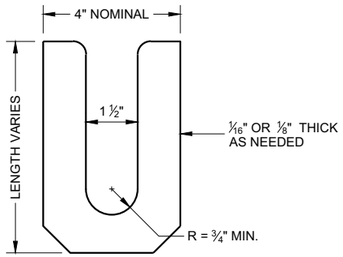
** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 2 POLE MOUNTING CONFIGURATION

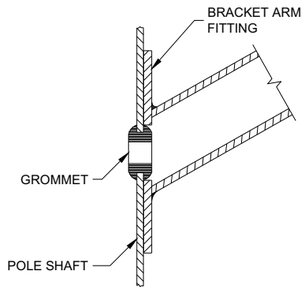
POLE MOUNTINGS FOR TRAFFIC SIGNALS TYPE 2

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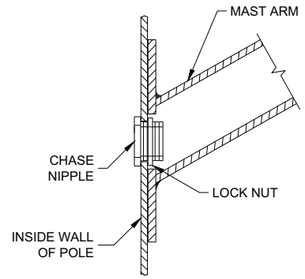
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LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

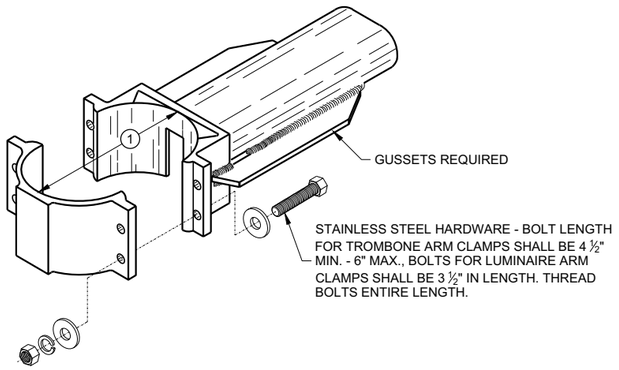
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

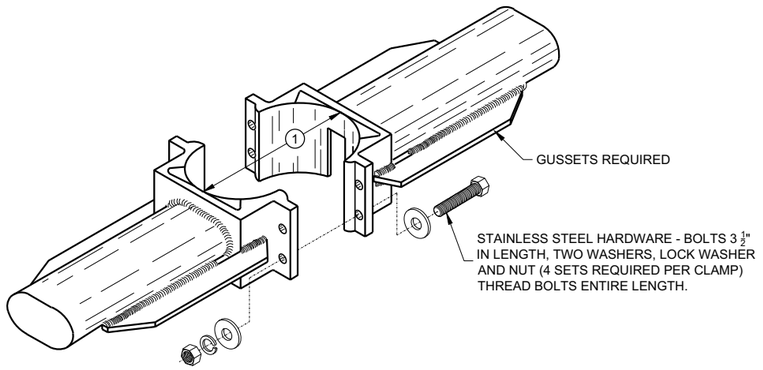
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

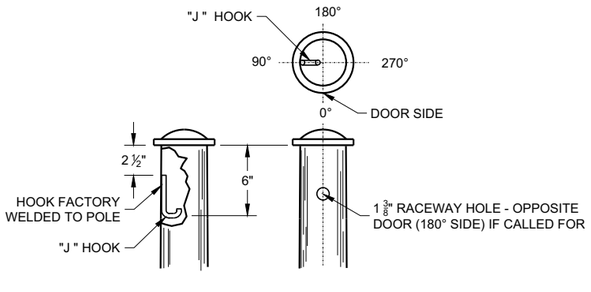
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



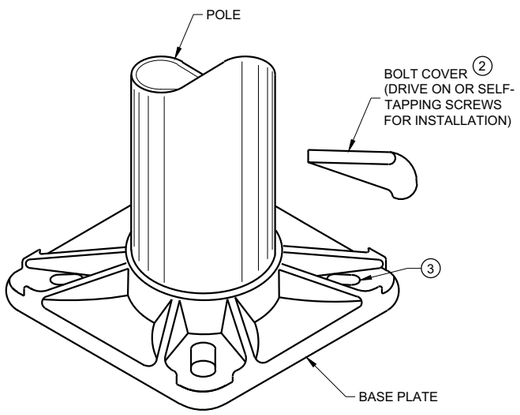
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



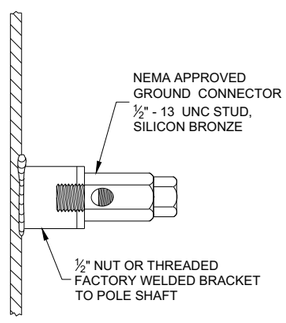
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

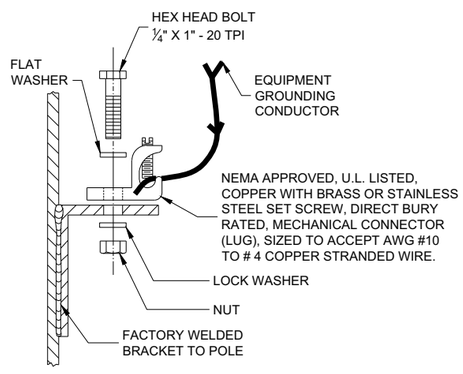


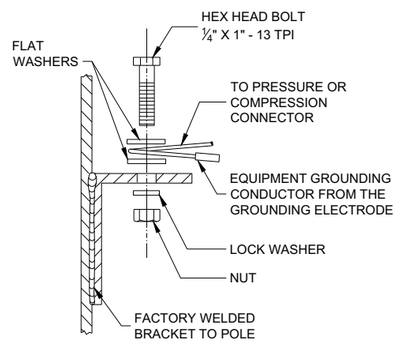
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

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November 2018
DATE
/S/ Ahmet Demirbilek
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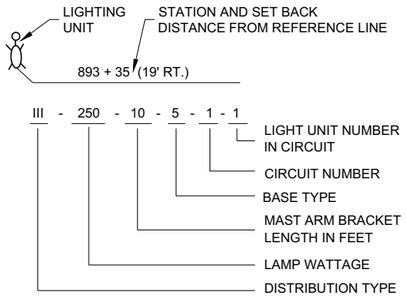
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GENERAL NOTES

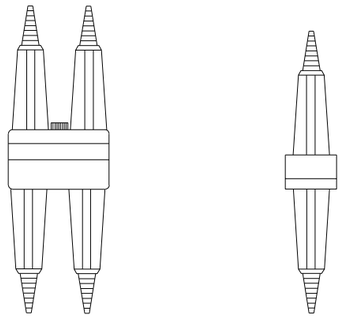
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

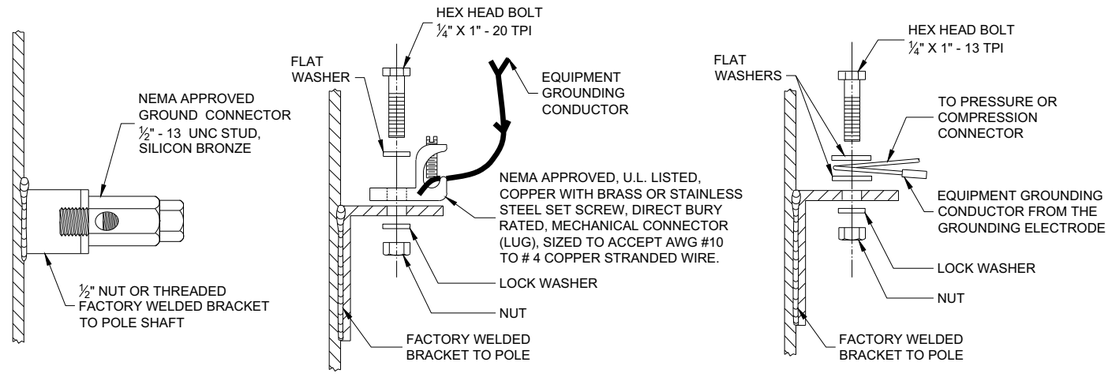


LIGHTING UNIT CODE
(TYPICAL)

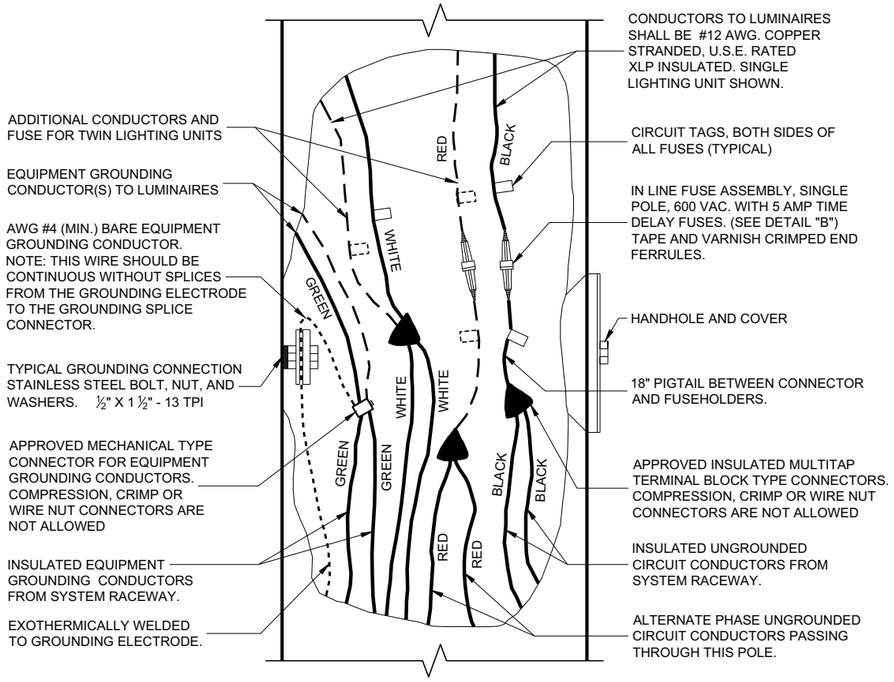


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

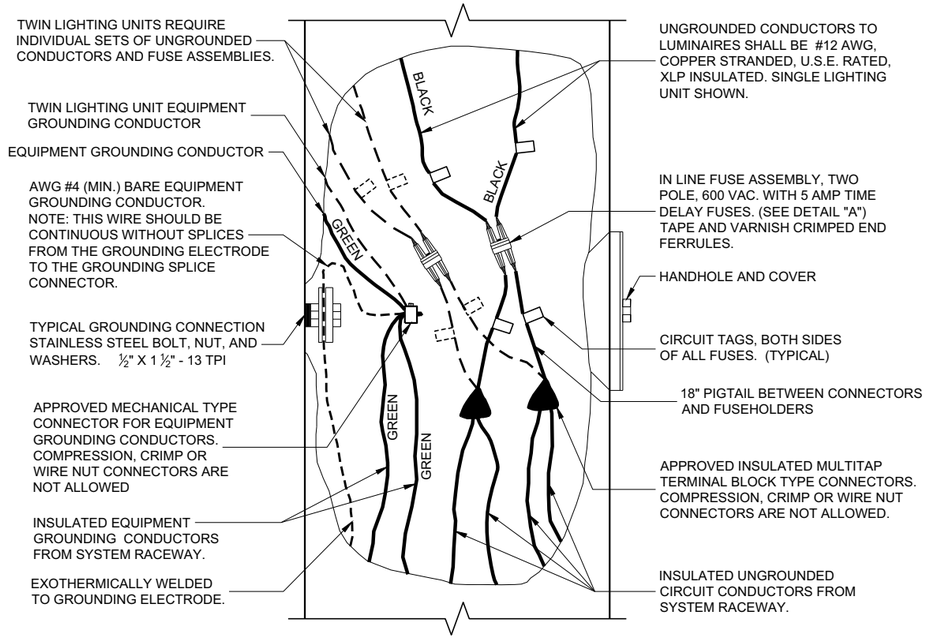
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



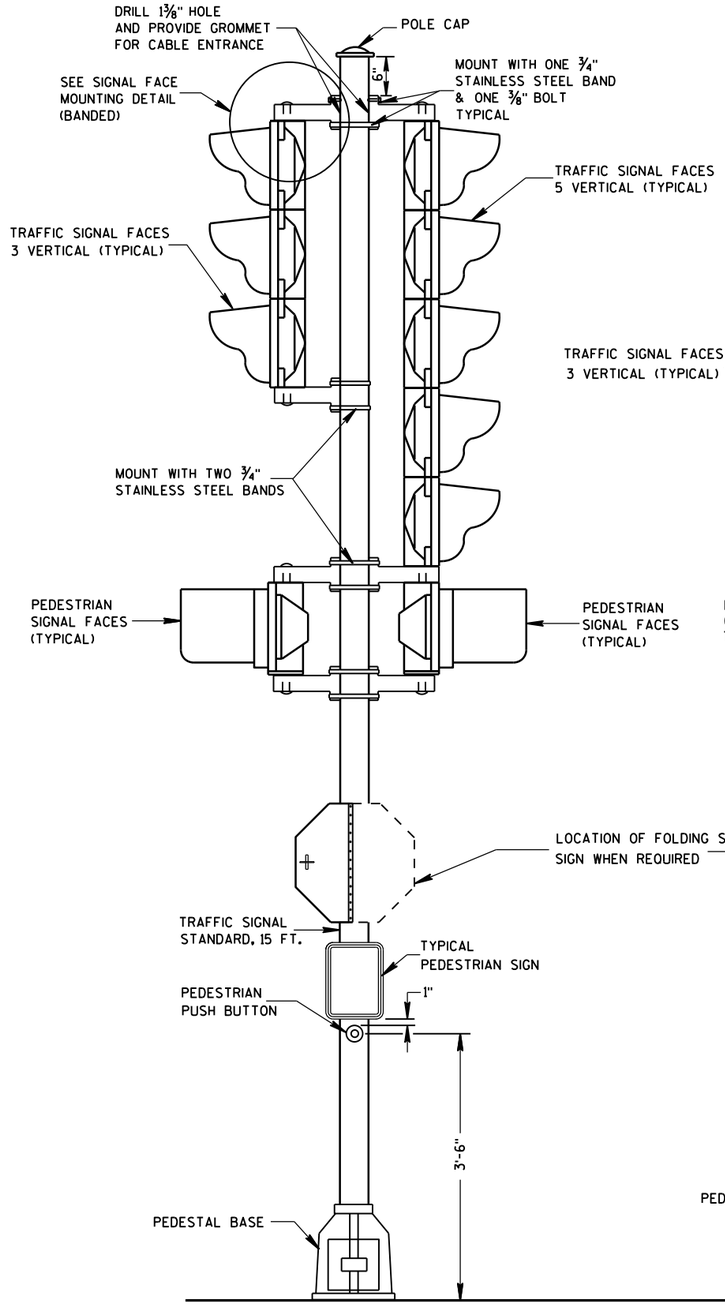
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

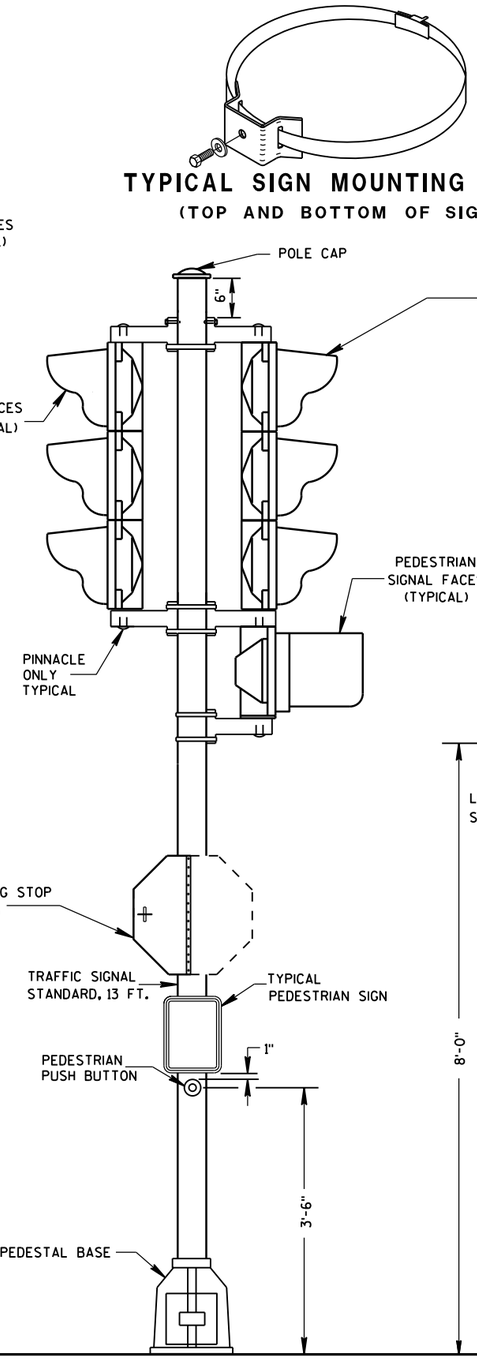
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 466

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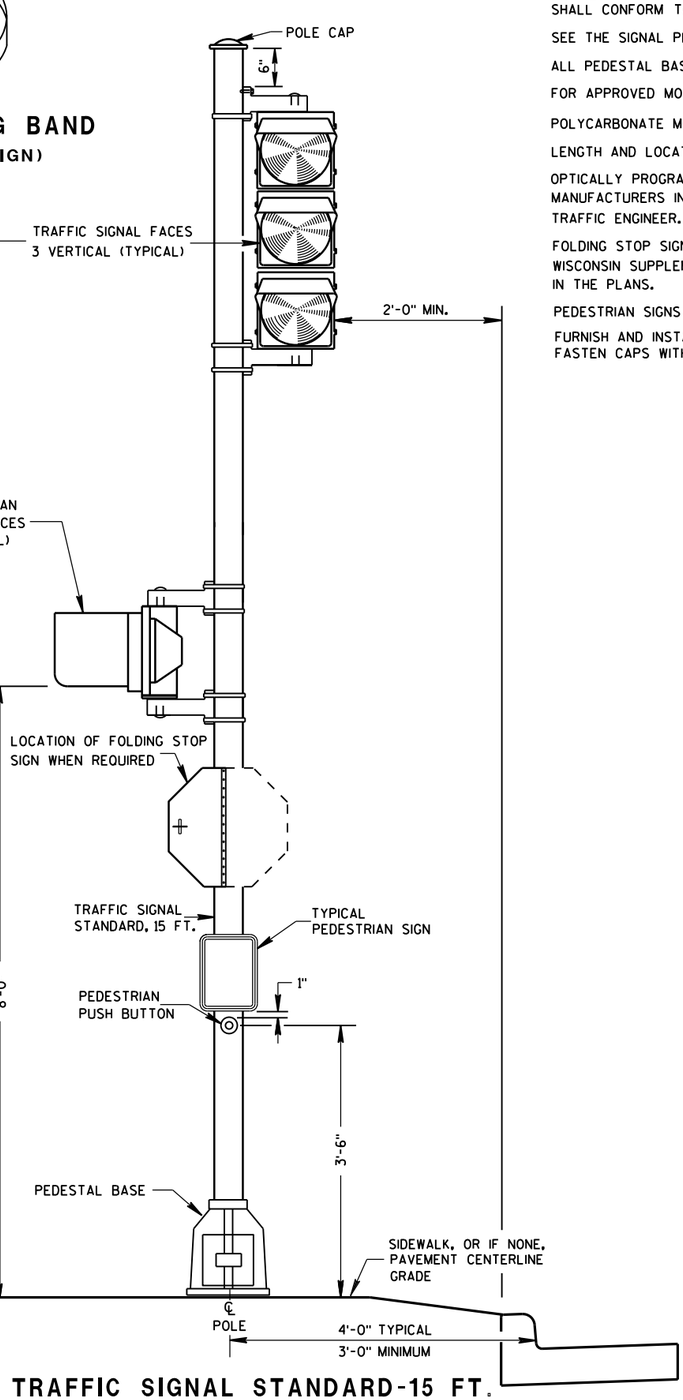


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

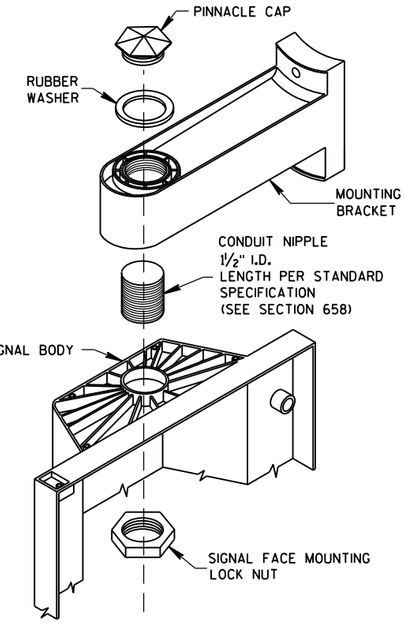
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

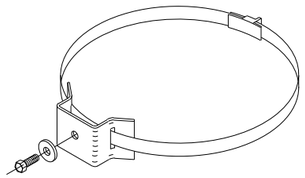
TRAFFIC SIGNAL STANDARD
POLY BRACKET MOUNTINGS
(TYPICAL) 13 FT. OR 15 FT.

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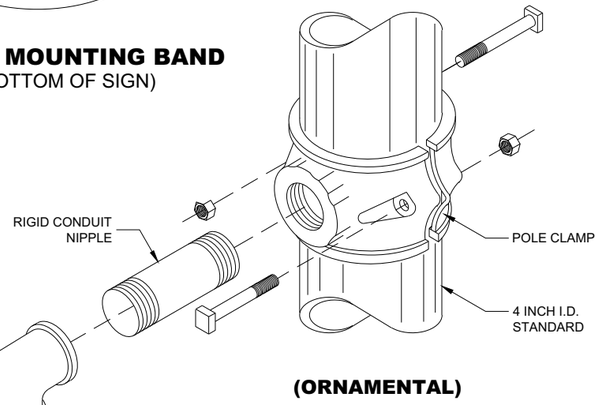
APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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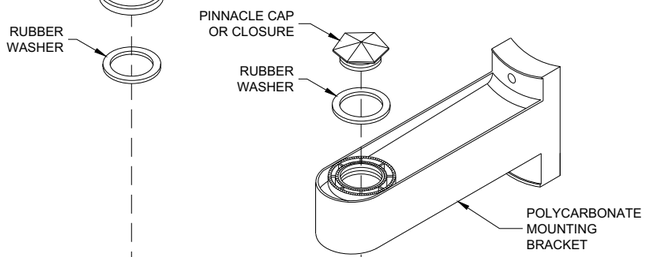
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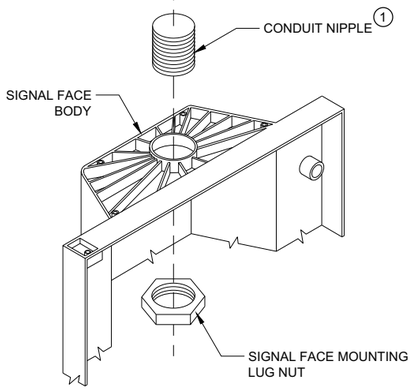
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



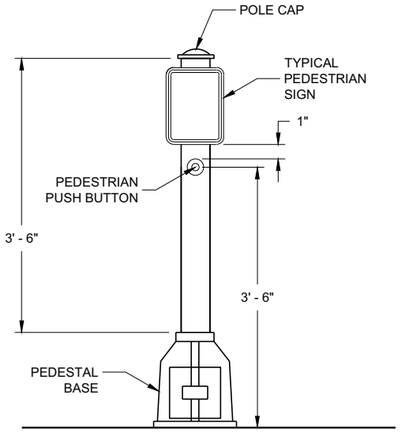
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

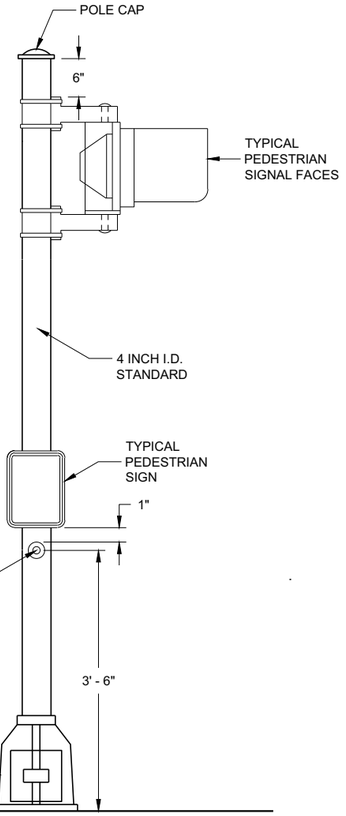
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

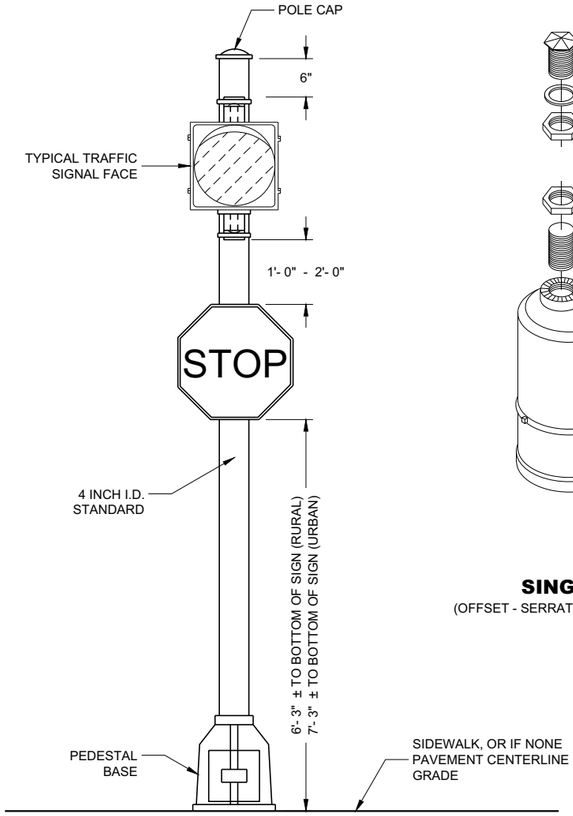
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

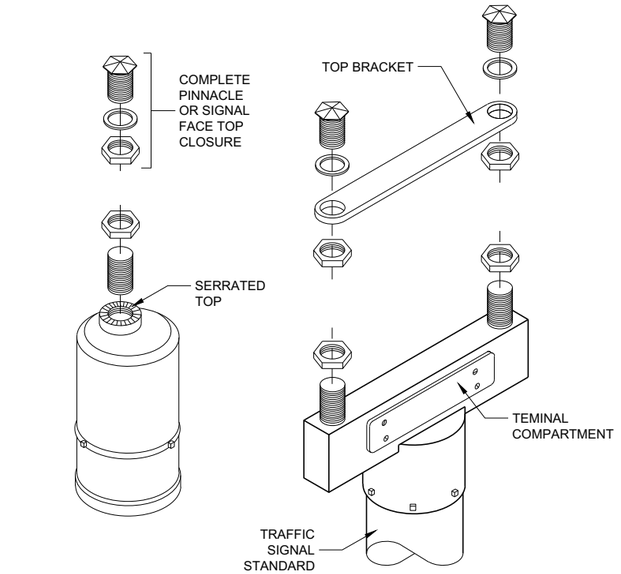
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

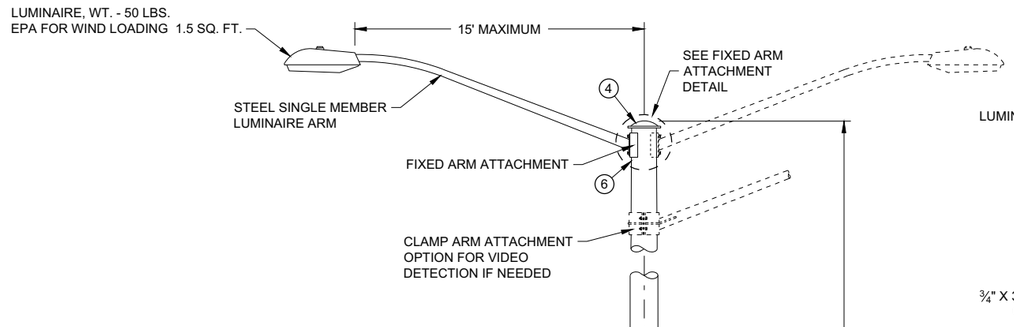
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

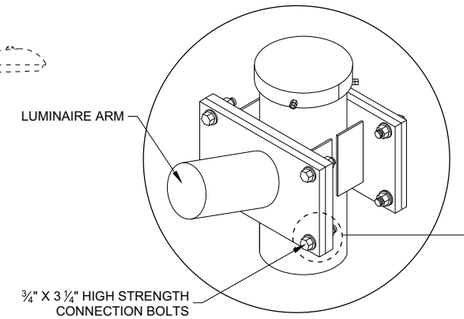
APPROVED
November 2018
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/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 468

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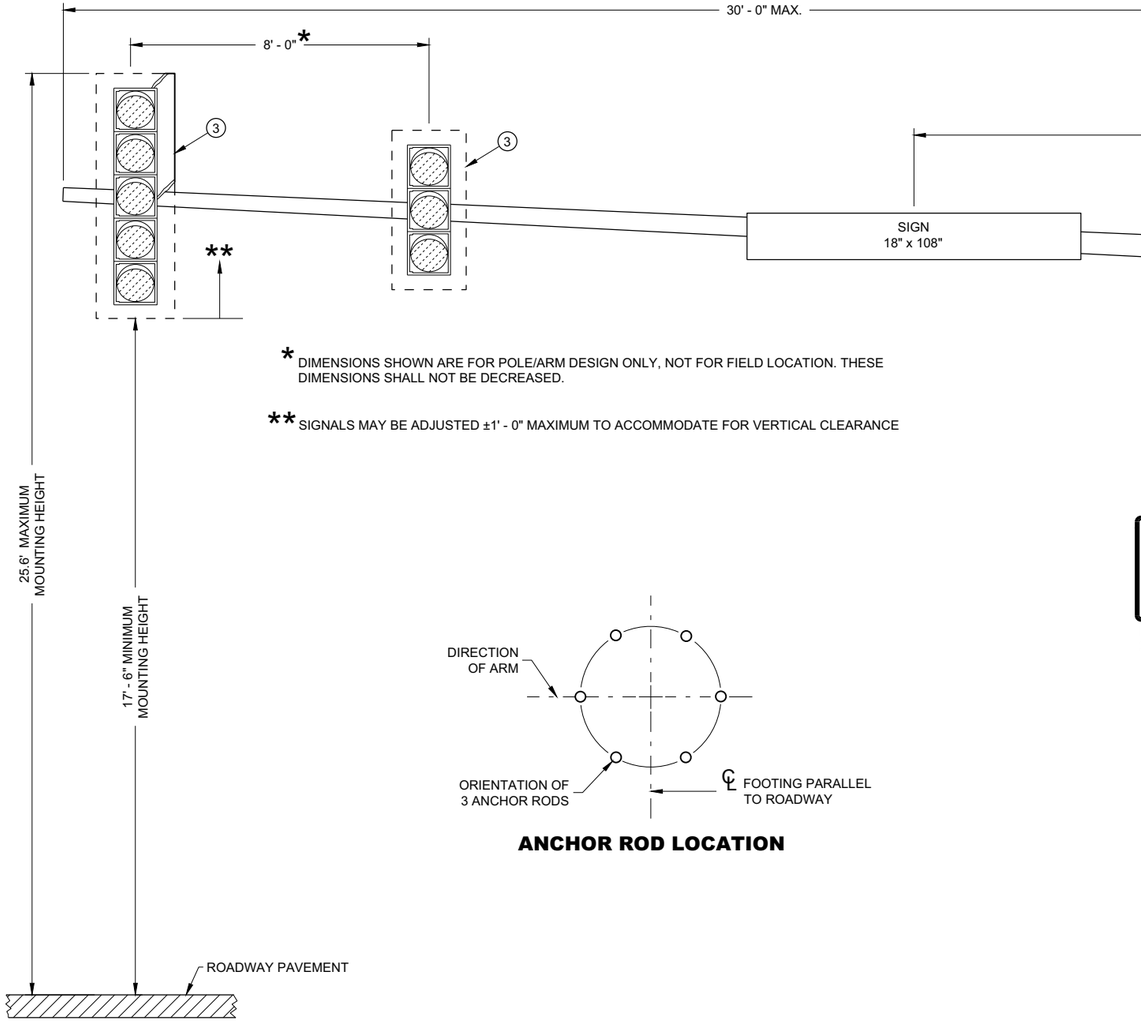
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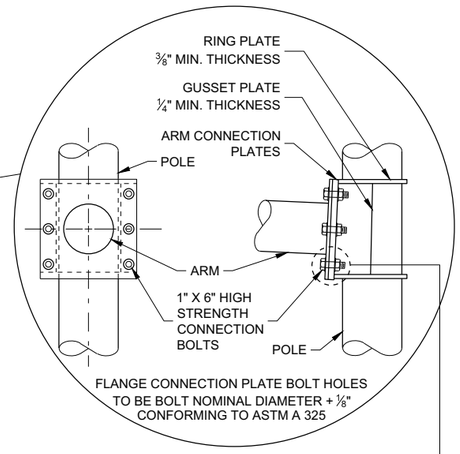
FIXED ARM ATTACHMENT DETAIL



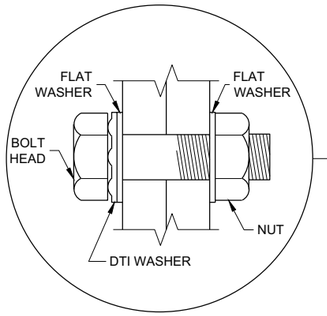
* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

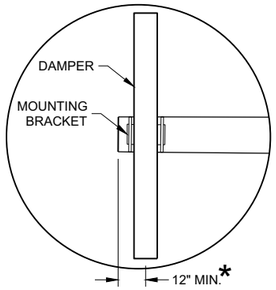
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August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

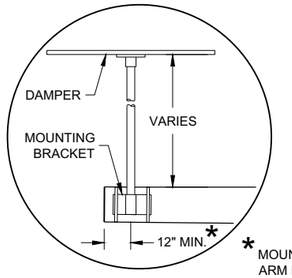
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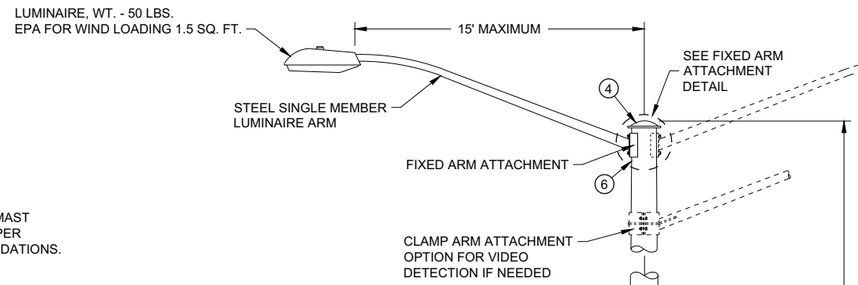


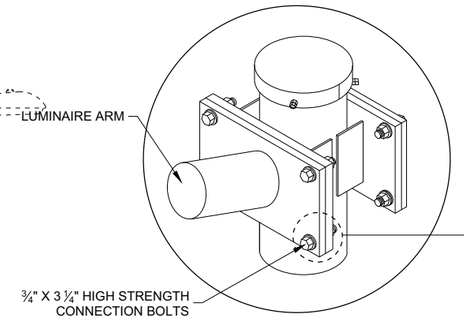
DUMBBELL VIBRATION DAMPER



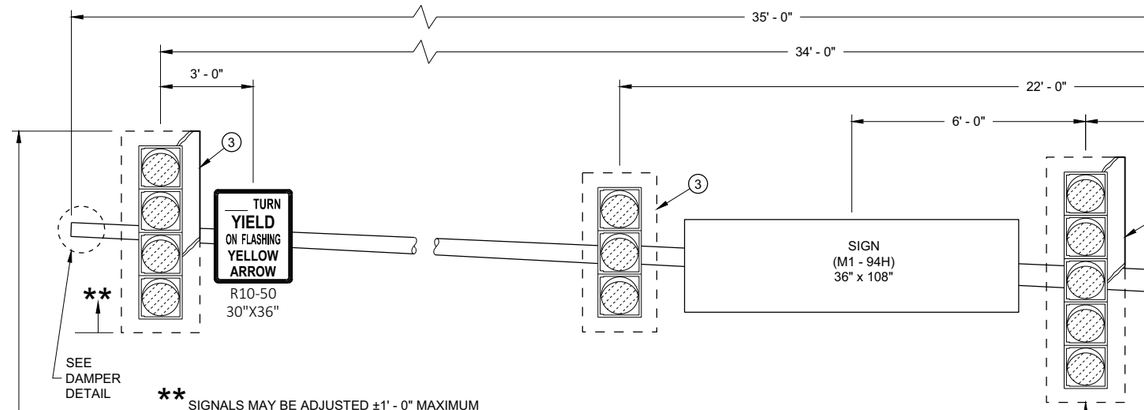
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

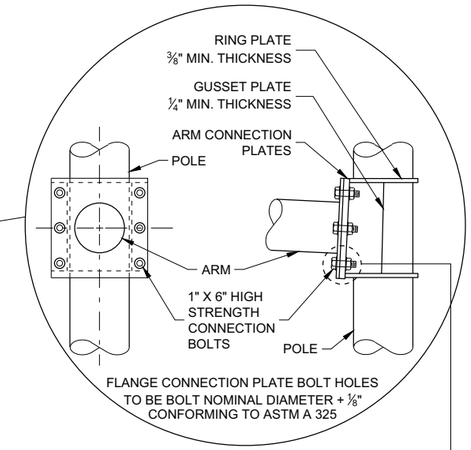




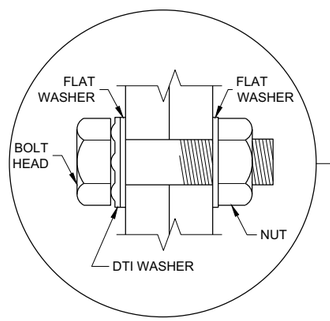
FIXED ARM ATTACHMENT DETAIL



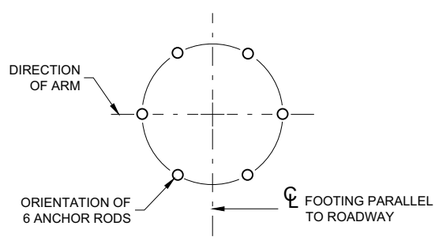
** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM

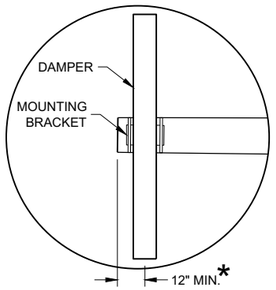
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

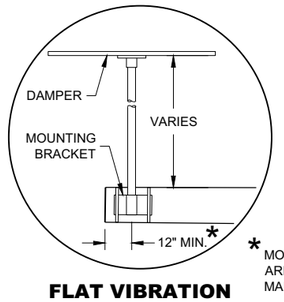
/S/ Ahmet Demirbilek
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SDD 09E08 - 09f

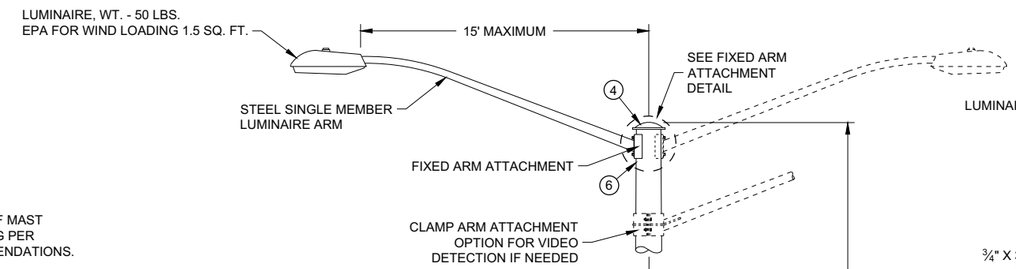


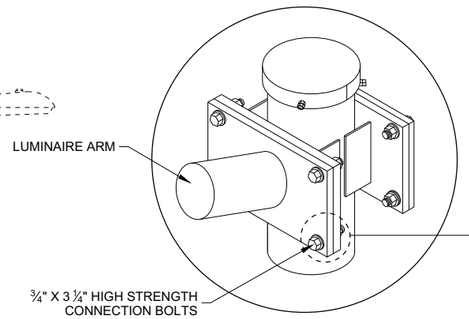
DUMBBELL VIBRATION DAMPER



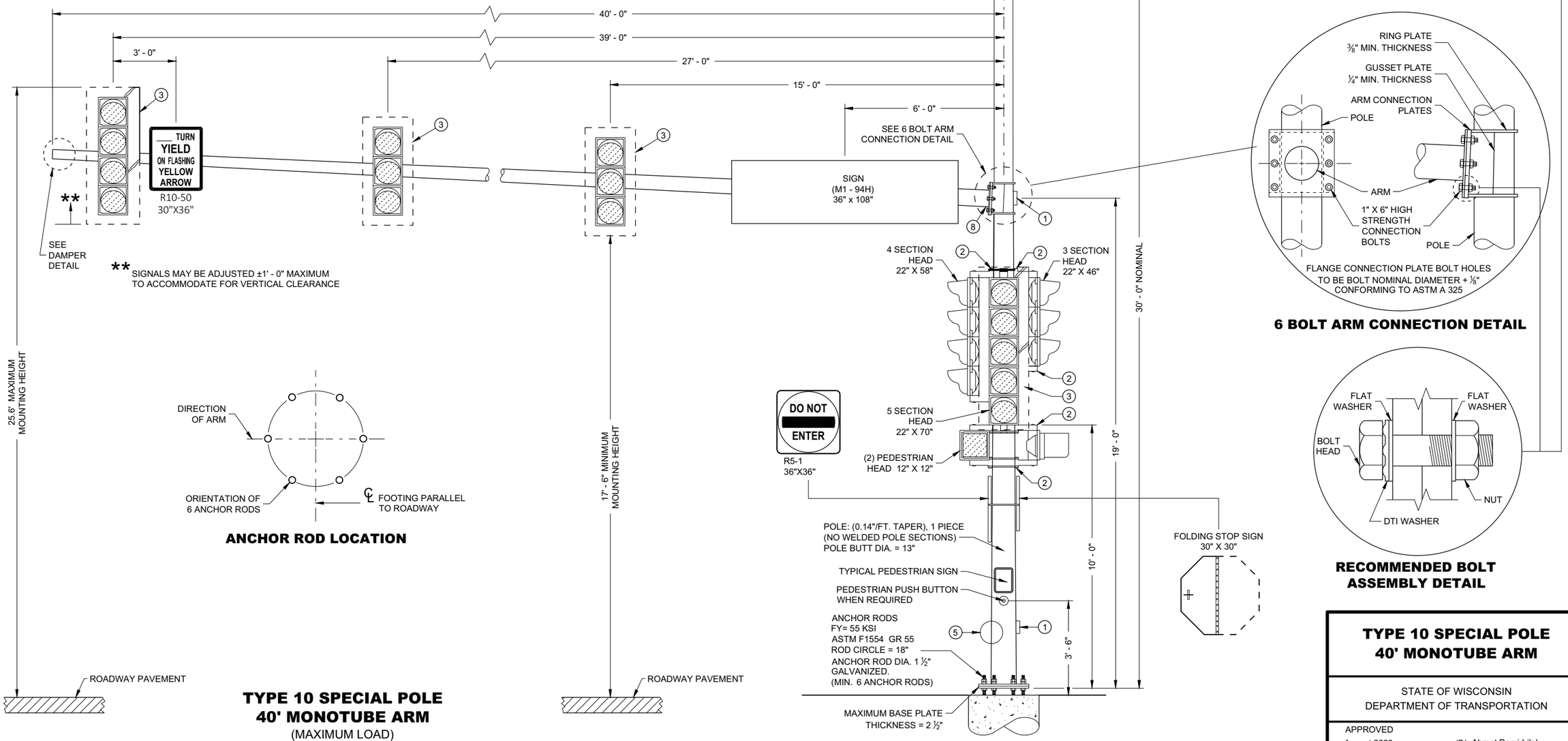
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





FIXED ARM ATTACHMENT DETAIL



** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM
(MAXIMUM LOAD)

6 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
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GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

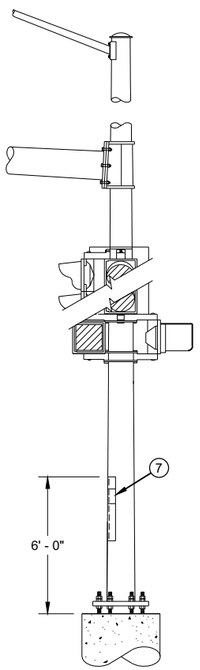
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

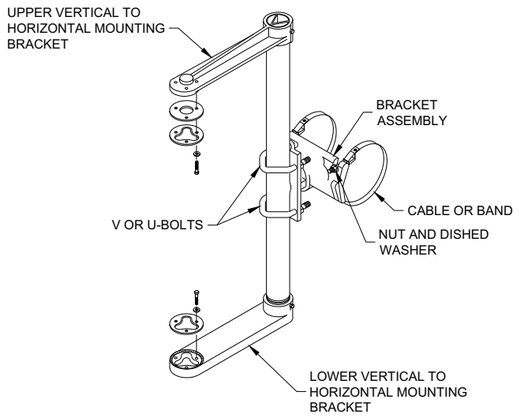
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

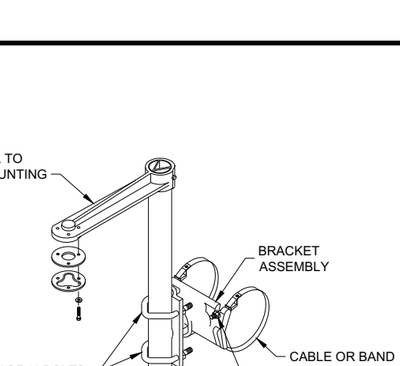


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



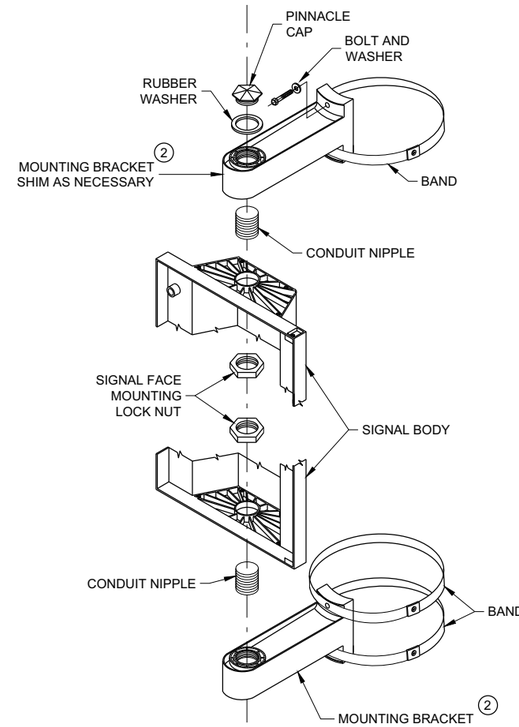
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

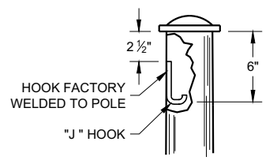


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

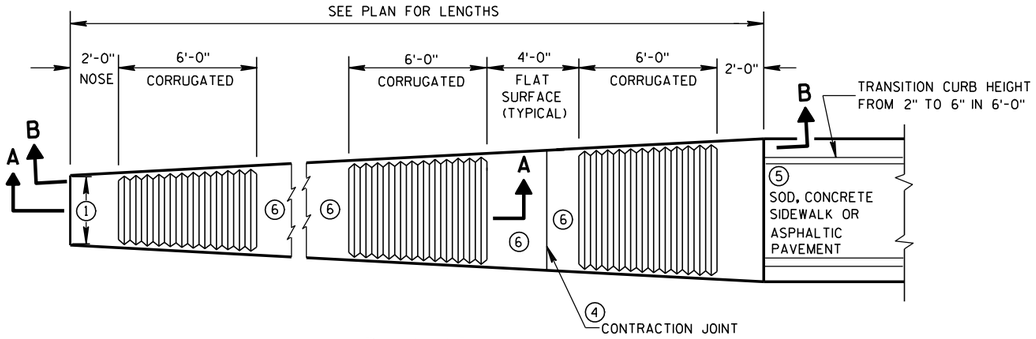
APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

FHWA

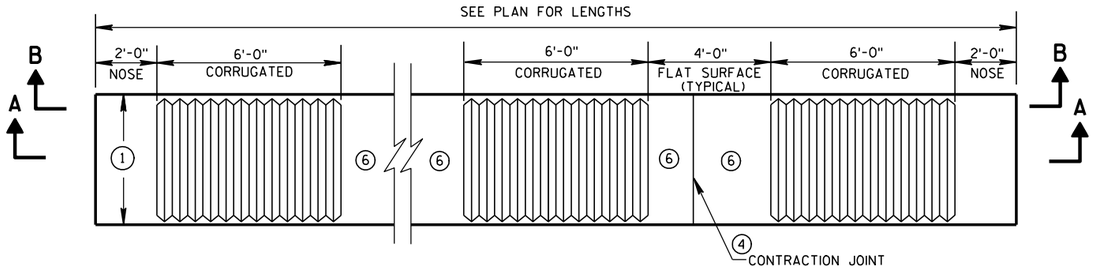
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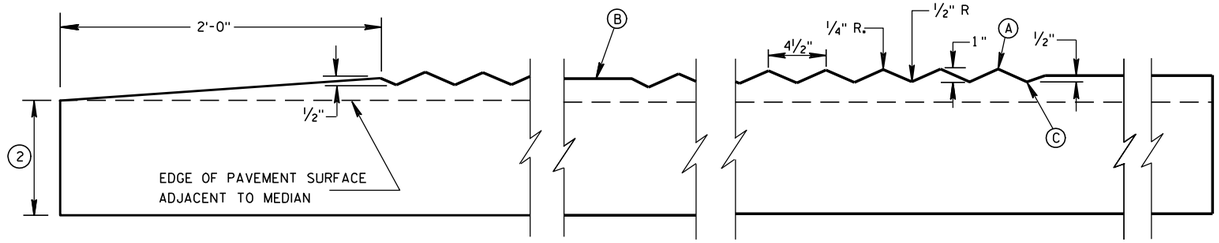
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

(2) THE DEPTH OF THE CONCRETE CORRUGATED MEDIAN SHALL BE 9-INCHES UNLESS SHOWN OTHERWISE IN THE PLAN.

ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE, OR PAVEMENT.

(3) ASPHALTIC PAVEMENT OVER BASE AGGREGATE DENSE.

(3) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

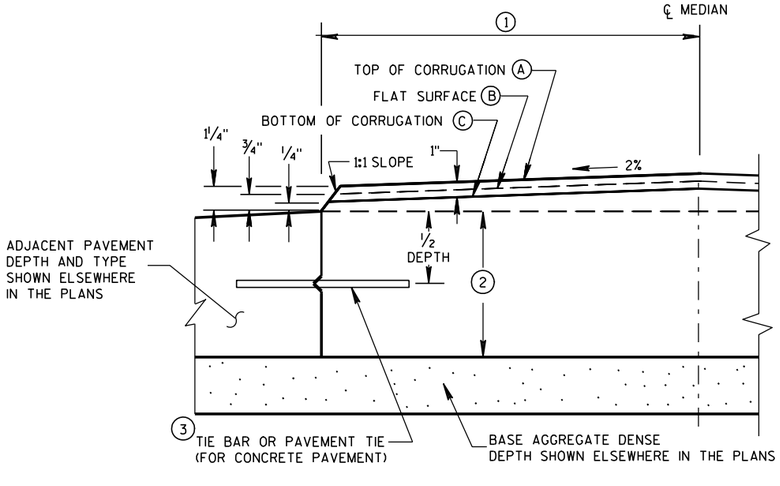
INSTALL TIE BARS TO MAINTAIN A MINIMUM OF 3-INCHES OF COVER BETWEEN THE TIE BAR AND THE CONCRETE SURFACE (BOTTOM AND TOP).

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE, PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(4) CONCRETE CORRUGATED MEDIAN CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH BASE AGGREGATE DENSE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 20 FOOT INTERVALS.

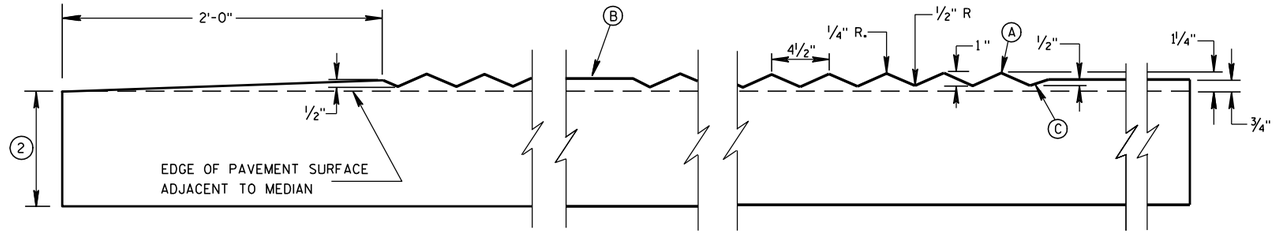
(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.

(6) YELLOW MARKING ON FLAT SURFACE WHEN MEDIAN SEPARATES OPPOSING TRAFFIC.



HALF CROSS SECTION

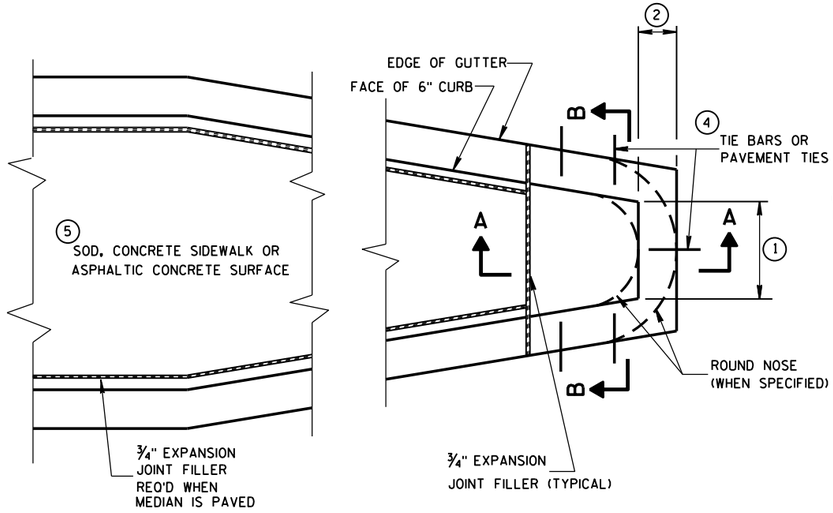
(2) CONCRETE CORRUGATED MEDIAN AND ADJACENT PAVEMENT

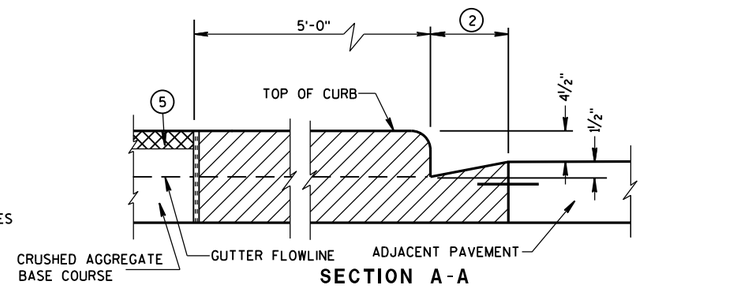


SECTION B-B

LONGITUDINAL SECTION

CONCRETE CORRUGATED MEDIAN	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
12/17/07 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	473





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

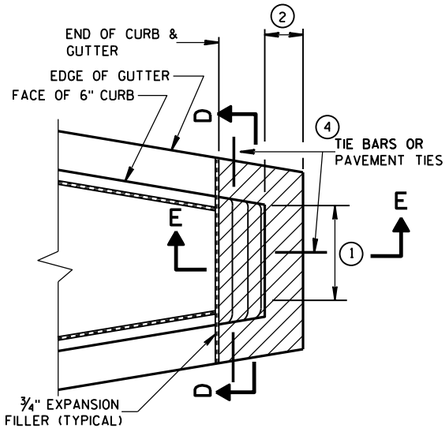
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

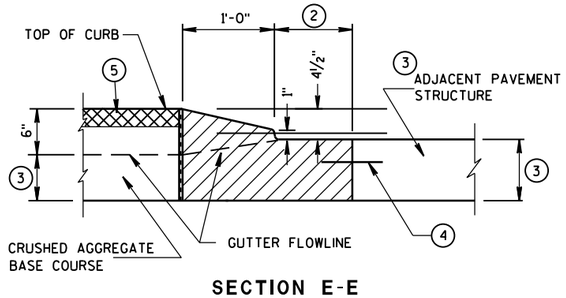
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

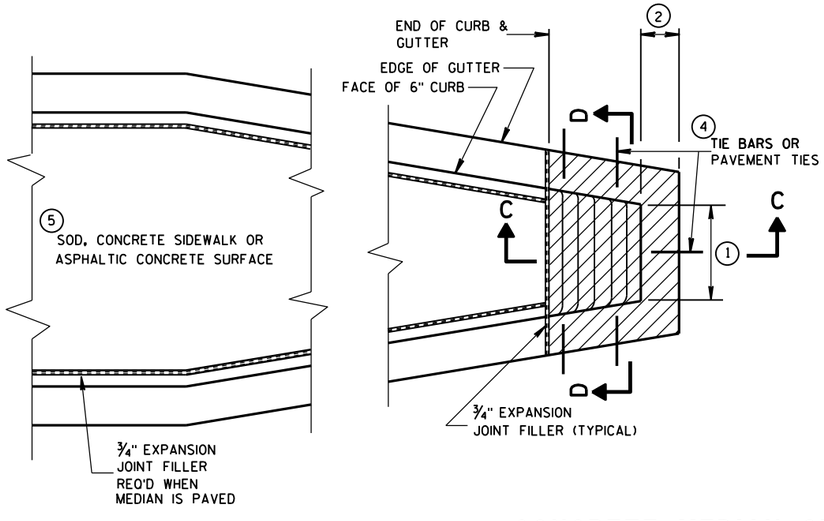
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

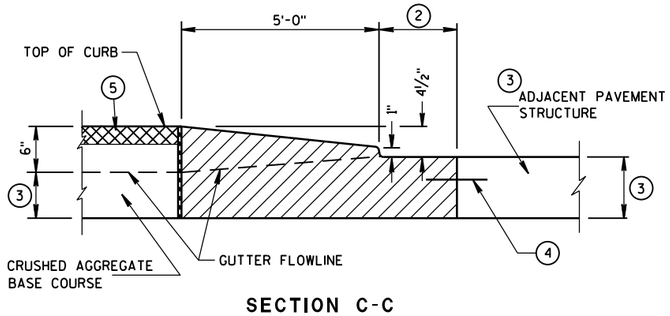
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



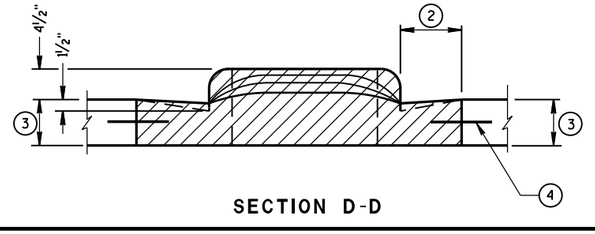


CONCRETE MEDIAN SLOPED NOSE TYPE 2





CONCRETE MEDIAN SLOPED NOSE TYPE 1



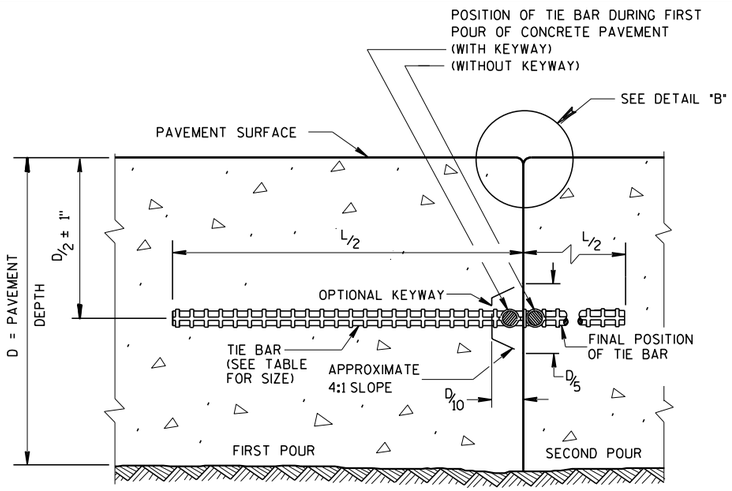
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

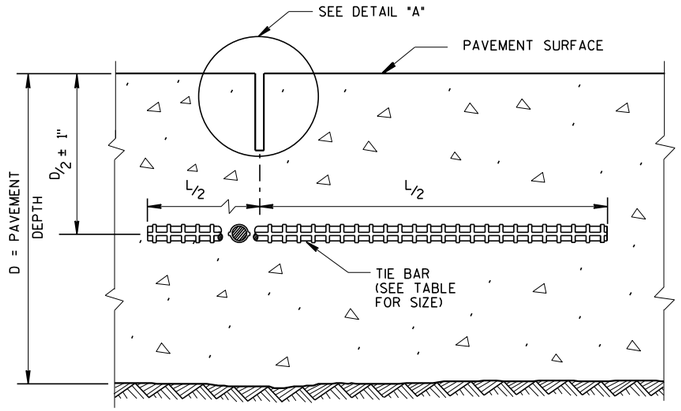
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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

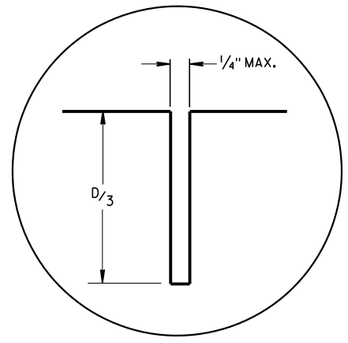
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

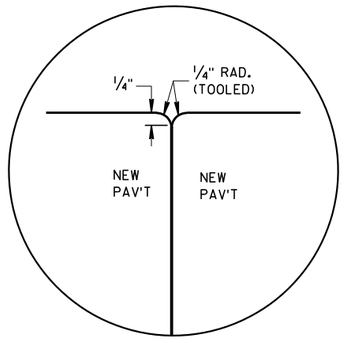
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

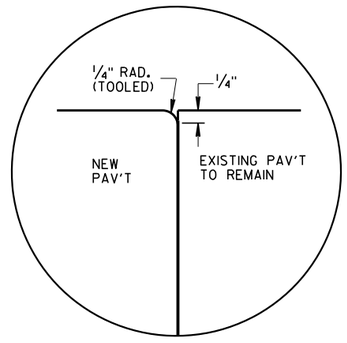
(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



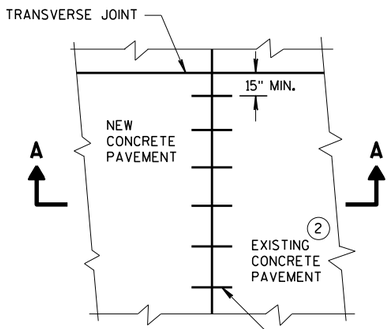
DETAIL "A"



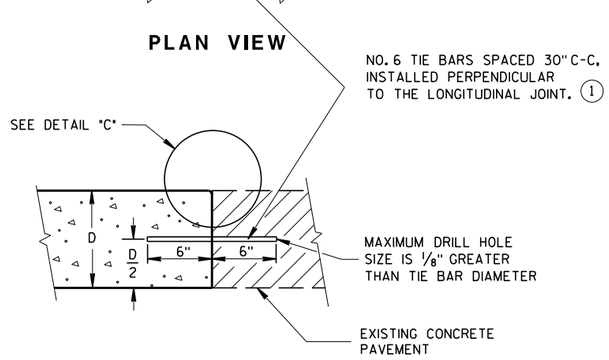
DETAIL "B"



DETAIL "C"



PLAN VIEW



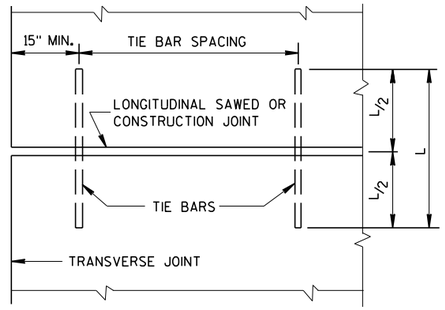
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



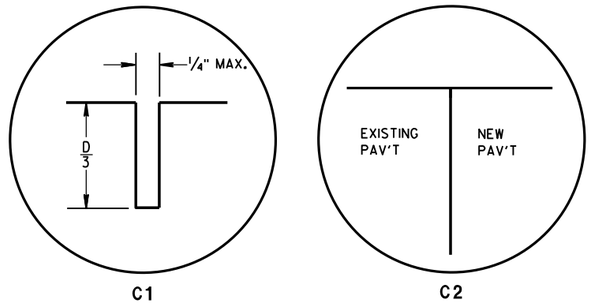
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

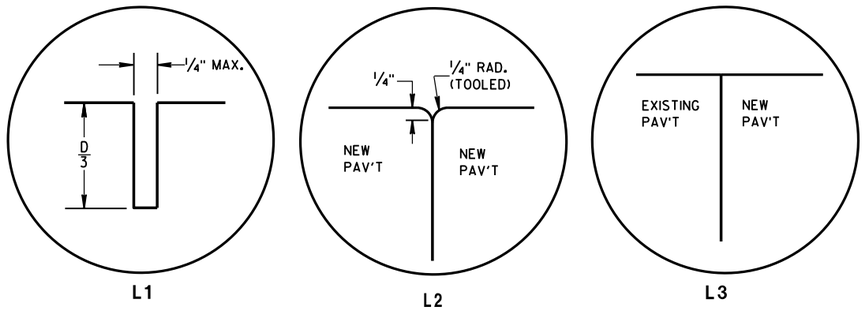
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp — PAVEMENT SUPE
FHWA

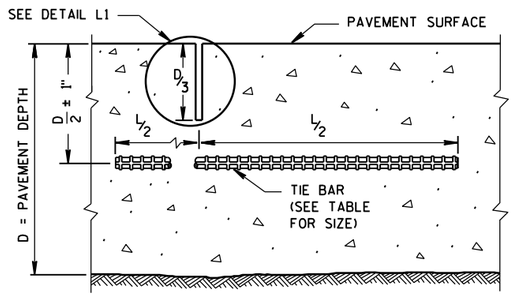
6
S.D.D. 13 C 1-19



TRANSVERSE JOINTS

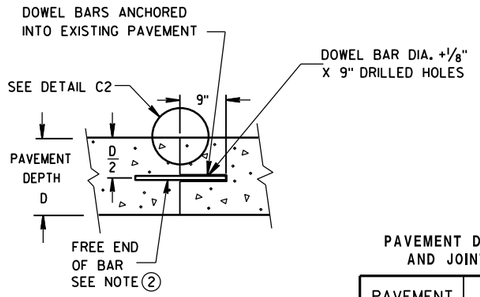


LONGITUDINAL JOINTS



SECTION C-C

SAWED JOINT



SECTION D-D

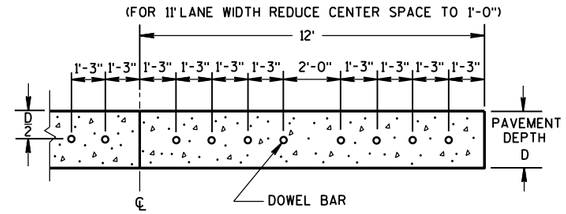
GENERAL NOTES

ANCHOR TIE BARS AND DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.

PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

(2) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



SECTION E-E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

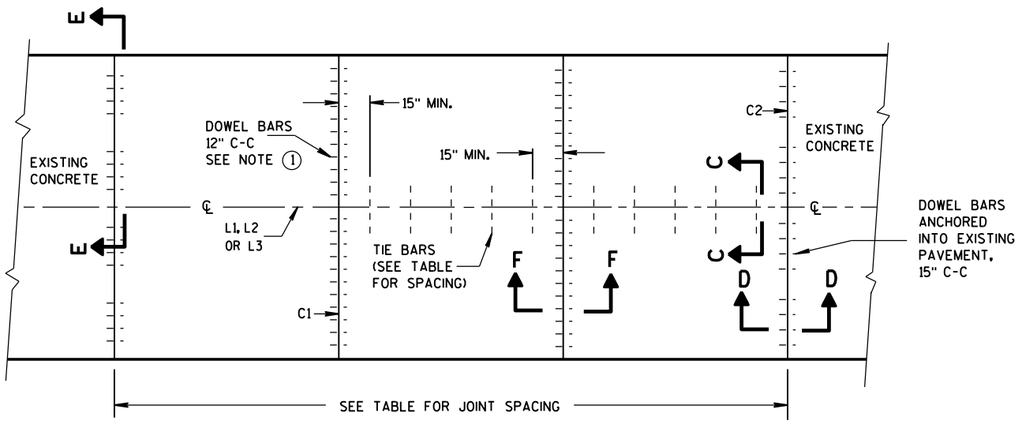
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5½", 6, 6 ½"	NONE	12'
7, 7 ½"	1"	14'
8, 8 ½"	1 ¼"	15'
9, 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

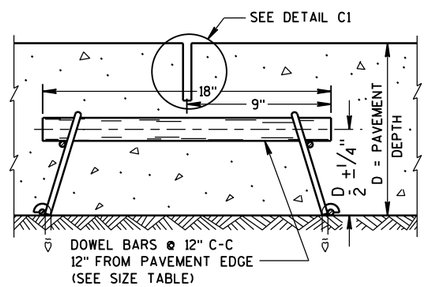
* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW

CONCRETE BASE CONTRACTION JOINT LOCATIONS



SECTION F-F

CONTRACTION JOINT

CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

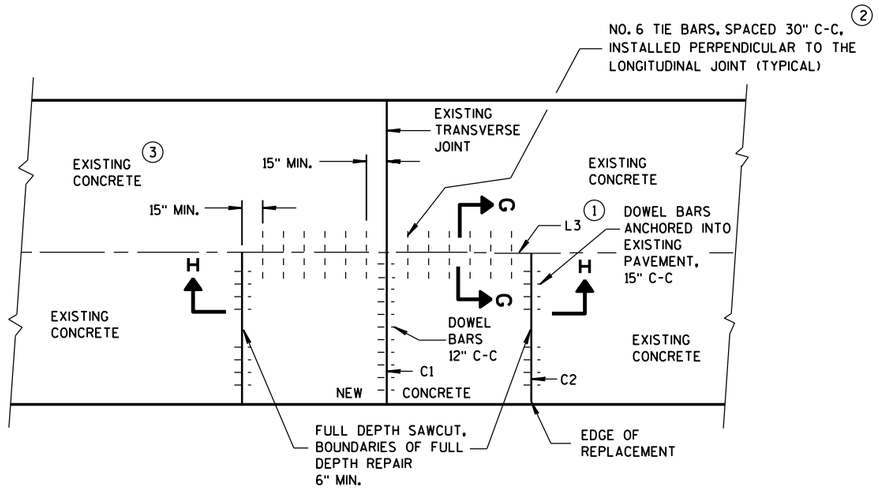
6
S.D.D. 13 C 15-6a

GENERAL NOTES

(1) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) AT THE LONGITUDINAL JOINT IN LIEU OF TIE BARS FOR SINGLE LANE CONCRETE BASE REPAIRS UP TO 15 FEET IN LENGTH.

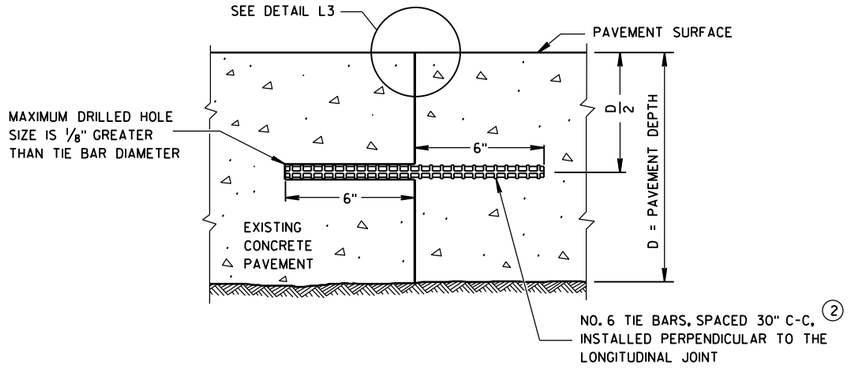
(2) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(3) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



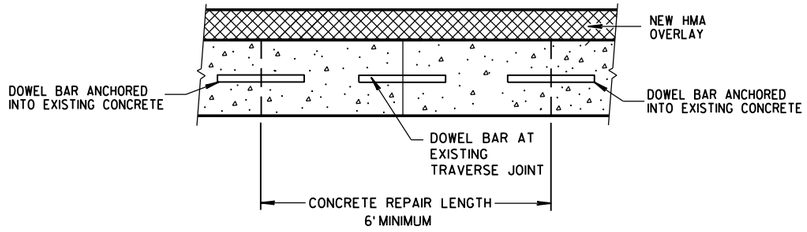
PLAN VIEW

SINGLE LANE CONCRETE BASE REPAIR



SECTION G-G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



SECTION H-H

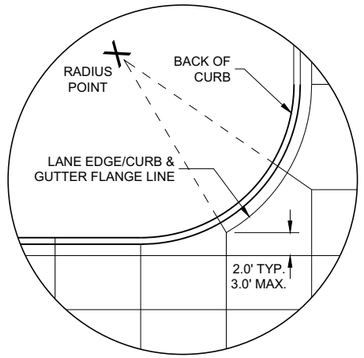
CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

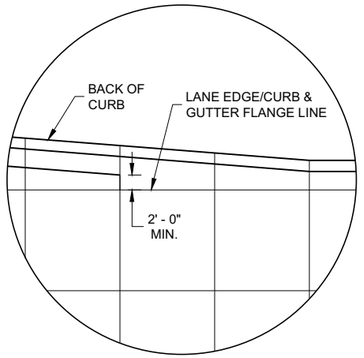
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPEI
FHWA

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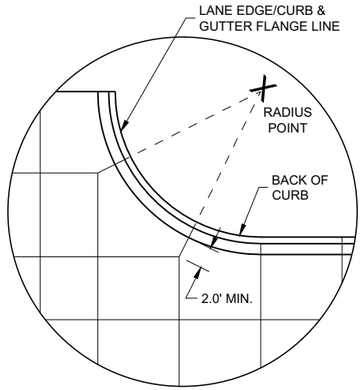
S.D.D. 13 C 15-6b



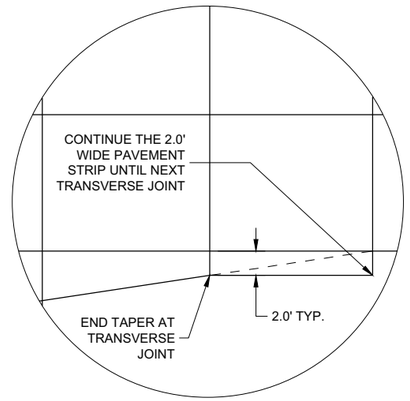
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

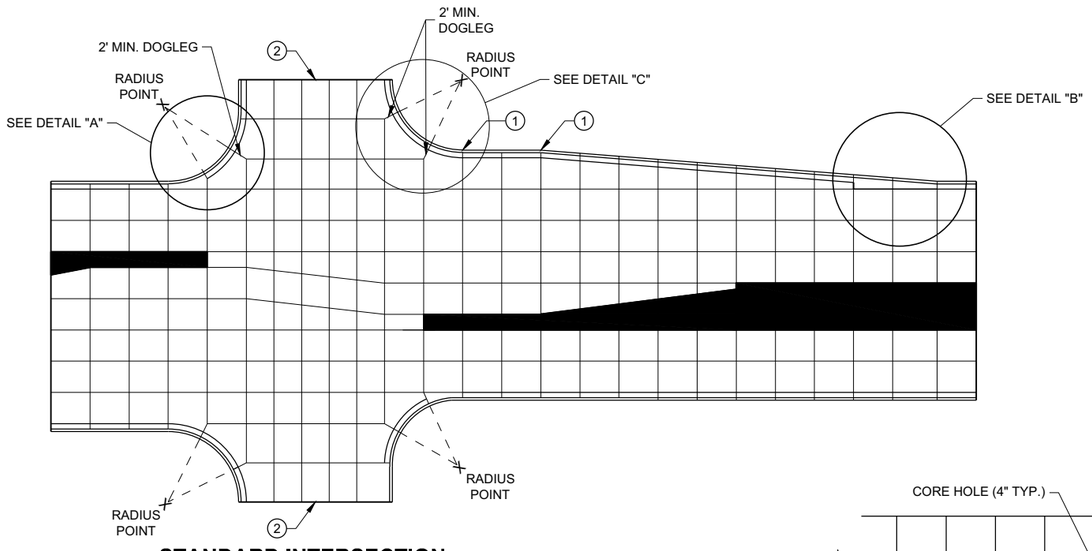
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

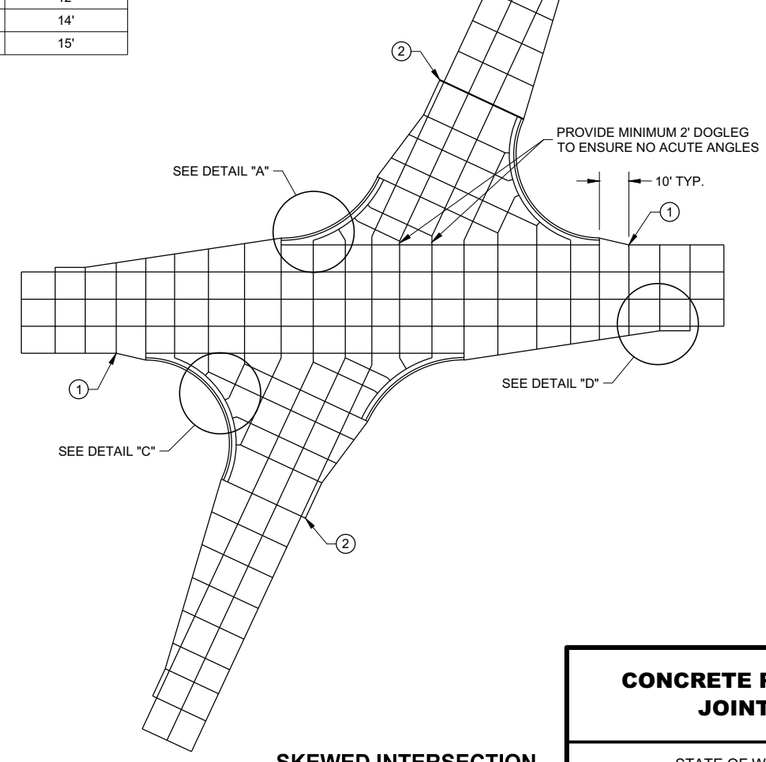
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



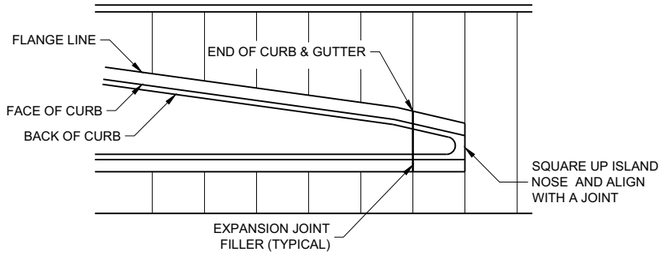
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

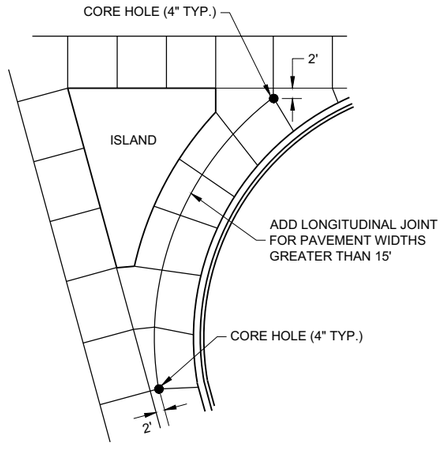
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07a

6

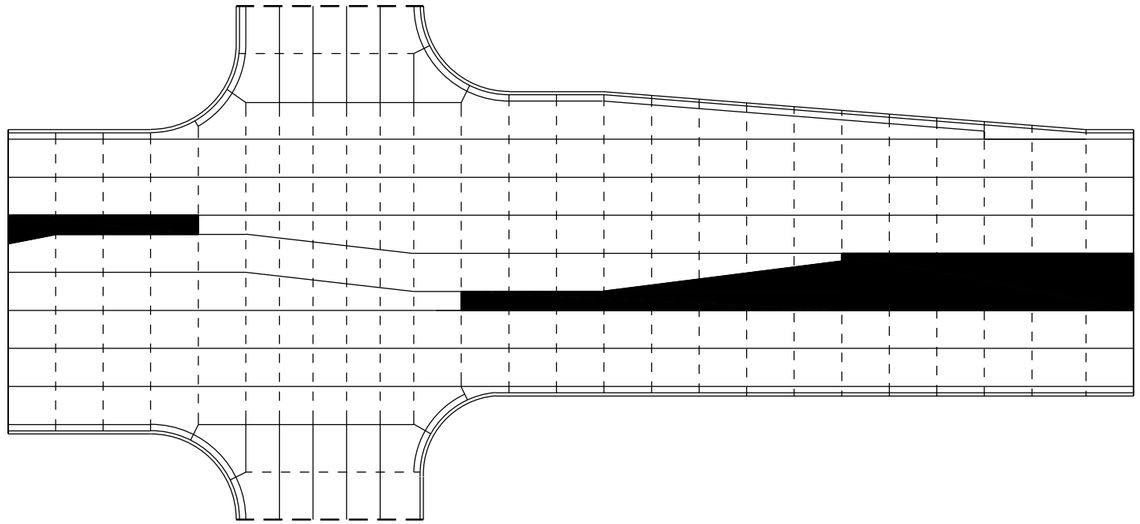
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

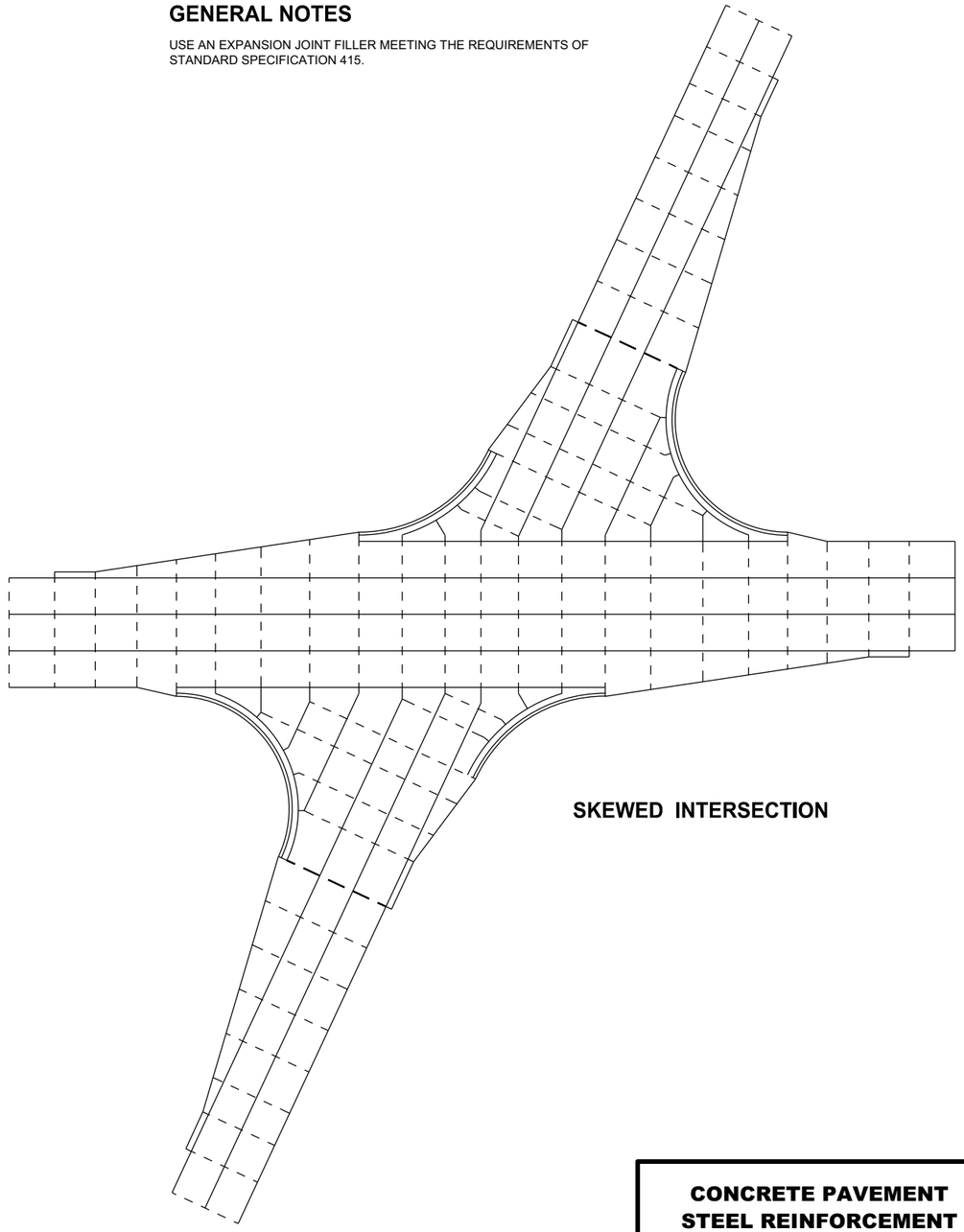
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

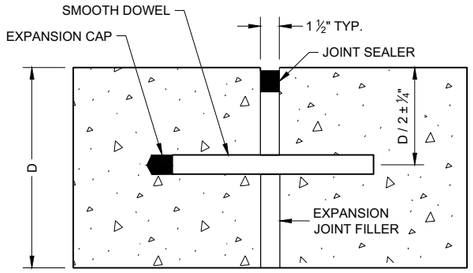
SDD 13C18 - 07b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

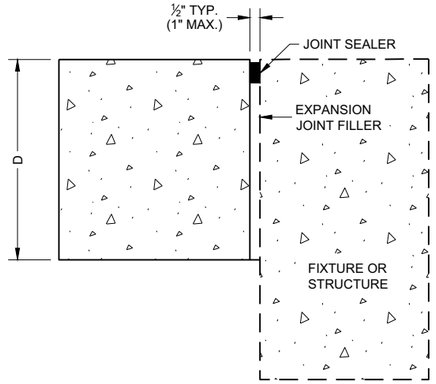
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

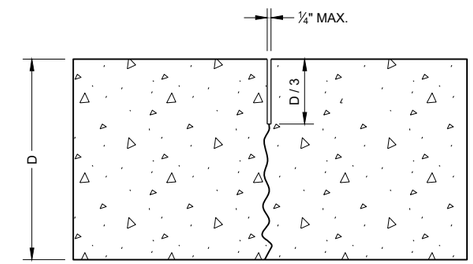
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

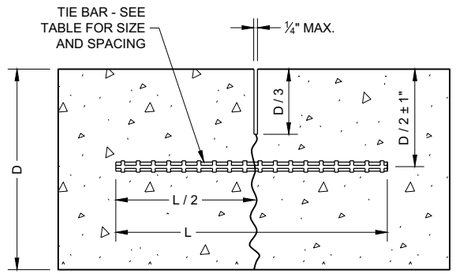
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

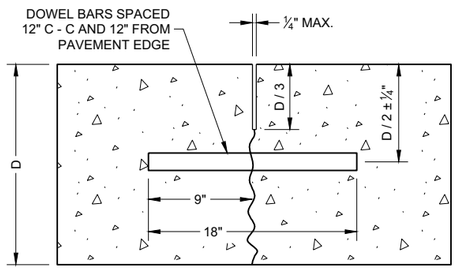
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

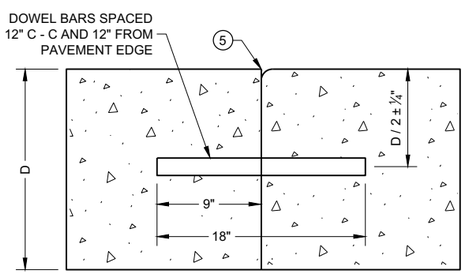


TIED LONGITUDINAL

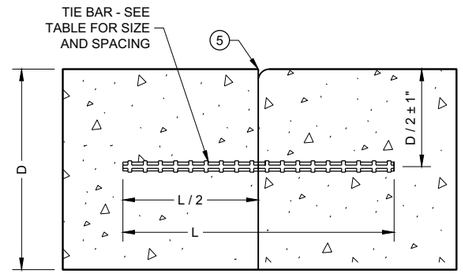


DOWELED TRANSVERSE

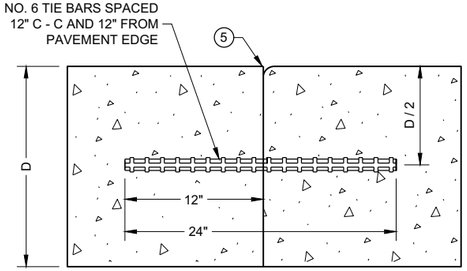
CONTRACTION JOINTS (2)



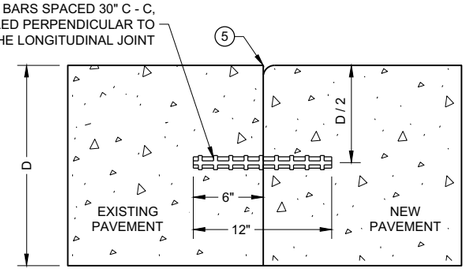
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

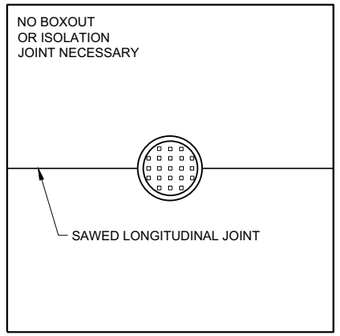
480

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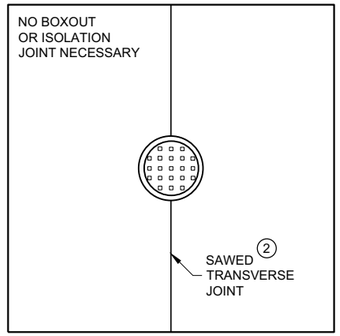
SDD 13C18 - 07c

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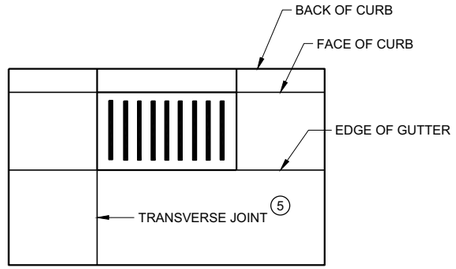
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



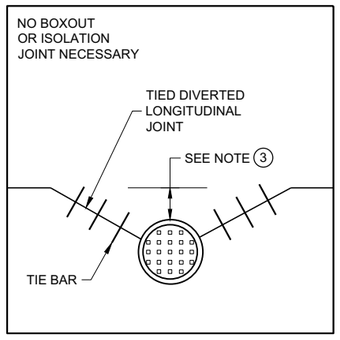
MANHOLE WITH TRANSVERSE JOINT



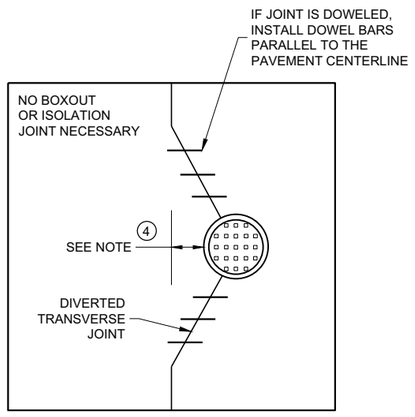
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

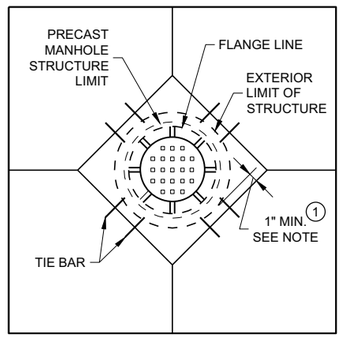
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

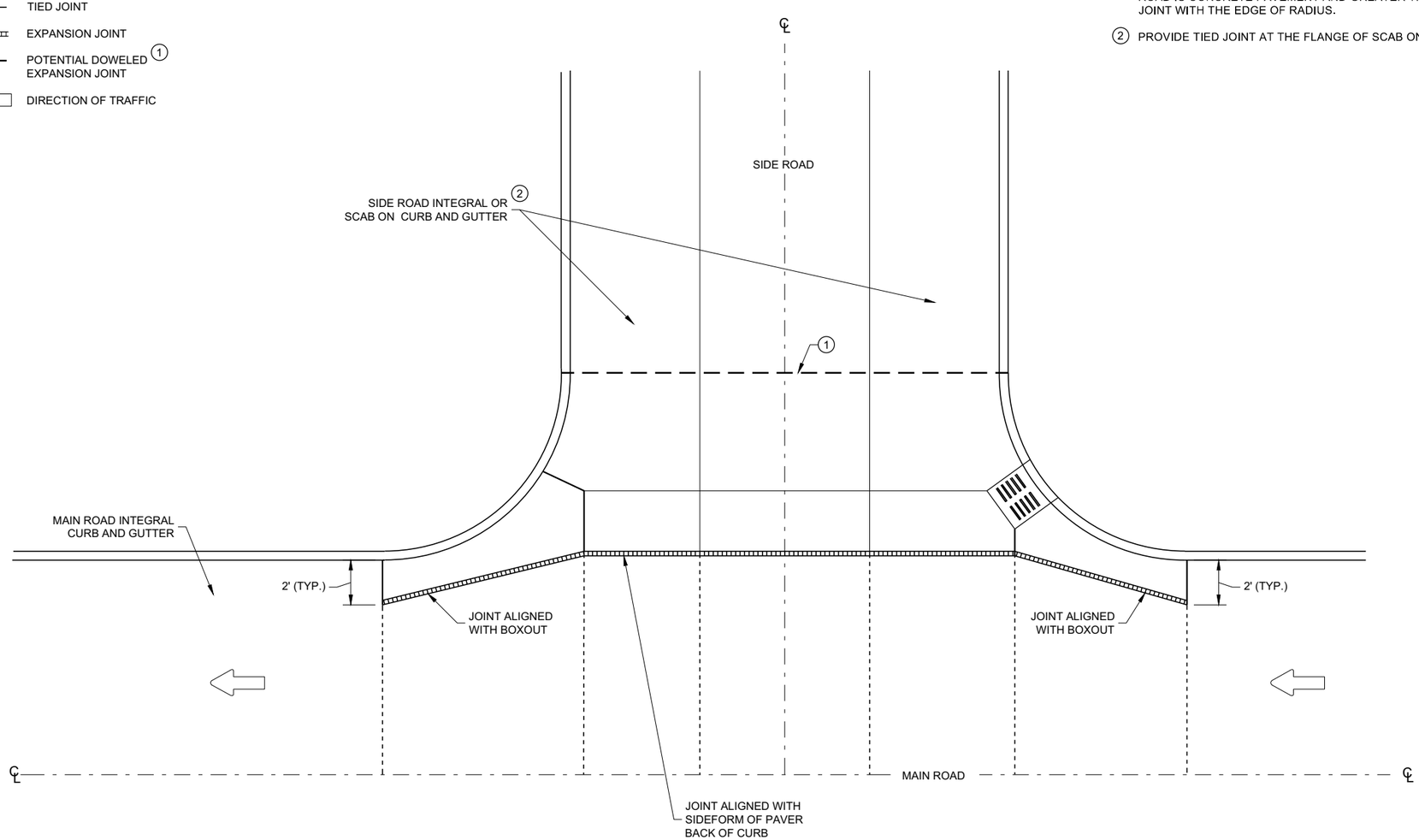
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6

SDD 13C18 - 07d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

6

SDD 13C18 - 07f

6

SDD 13C18 - 07f

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

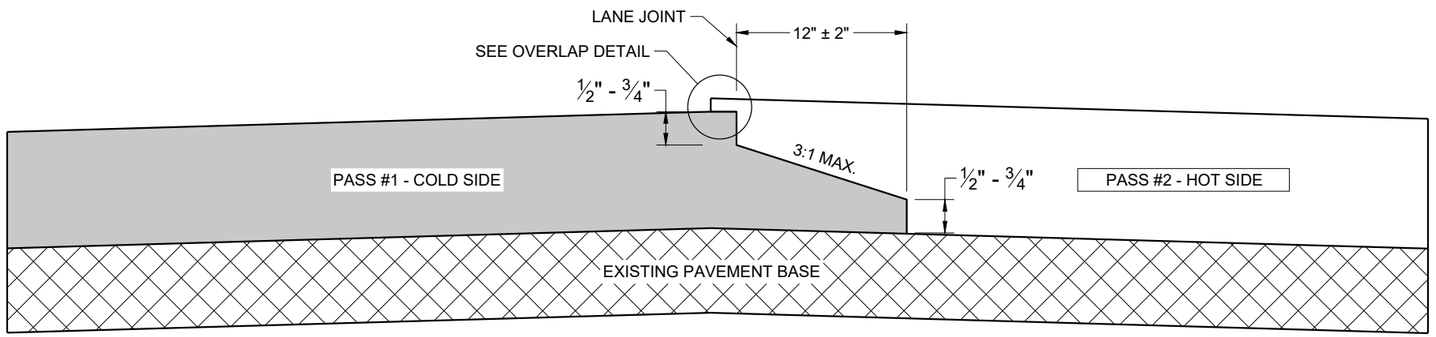
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

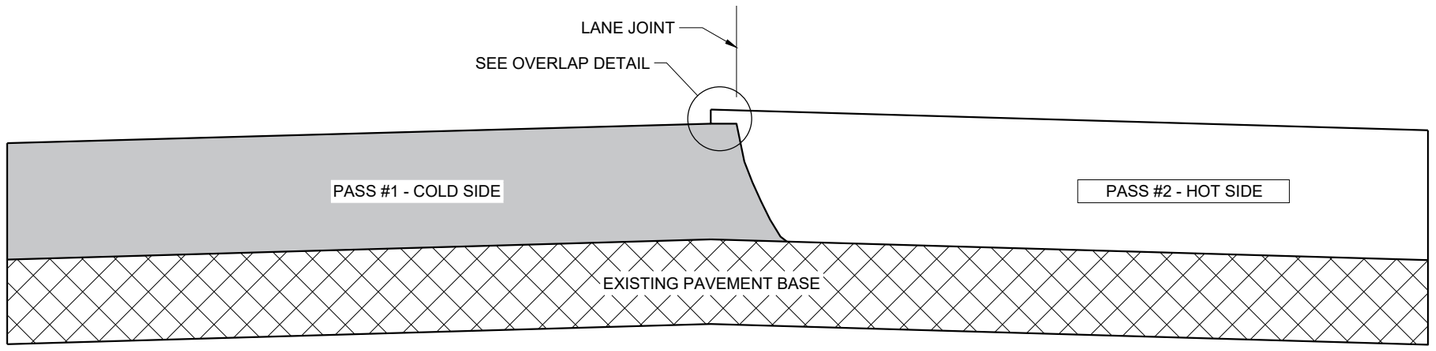
November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

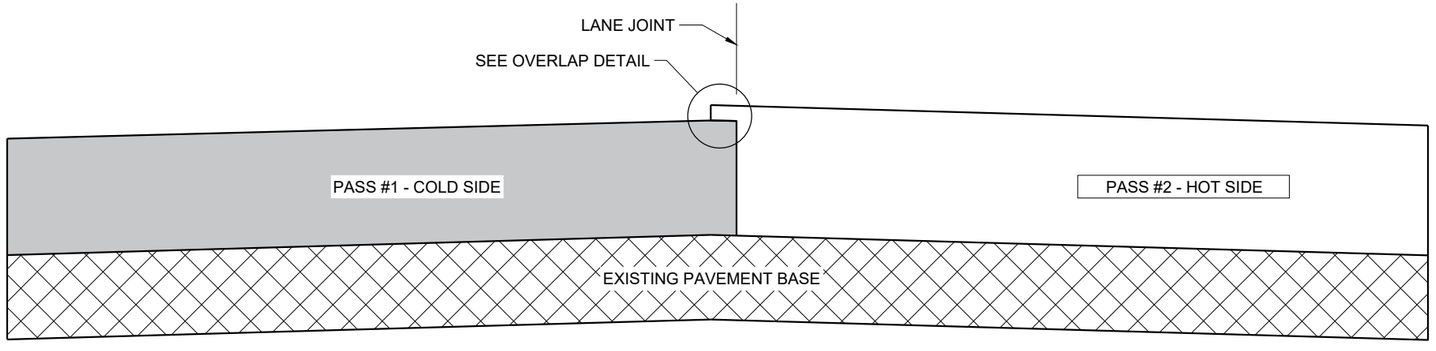
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TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

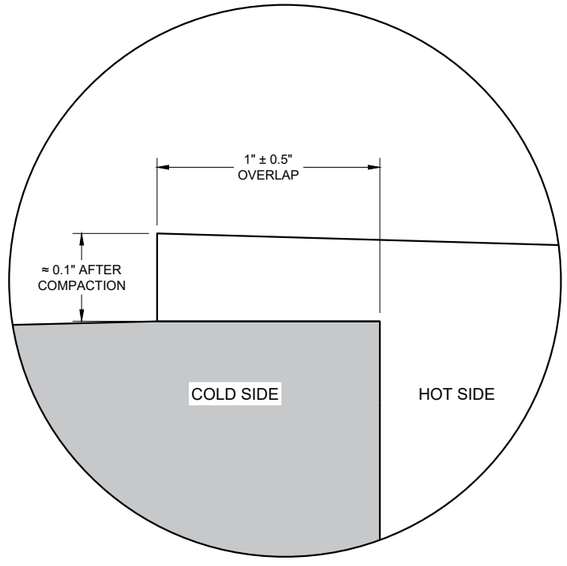
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

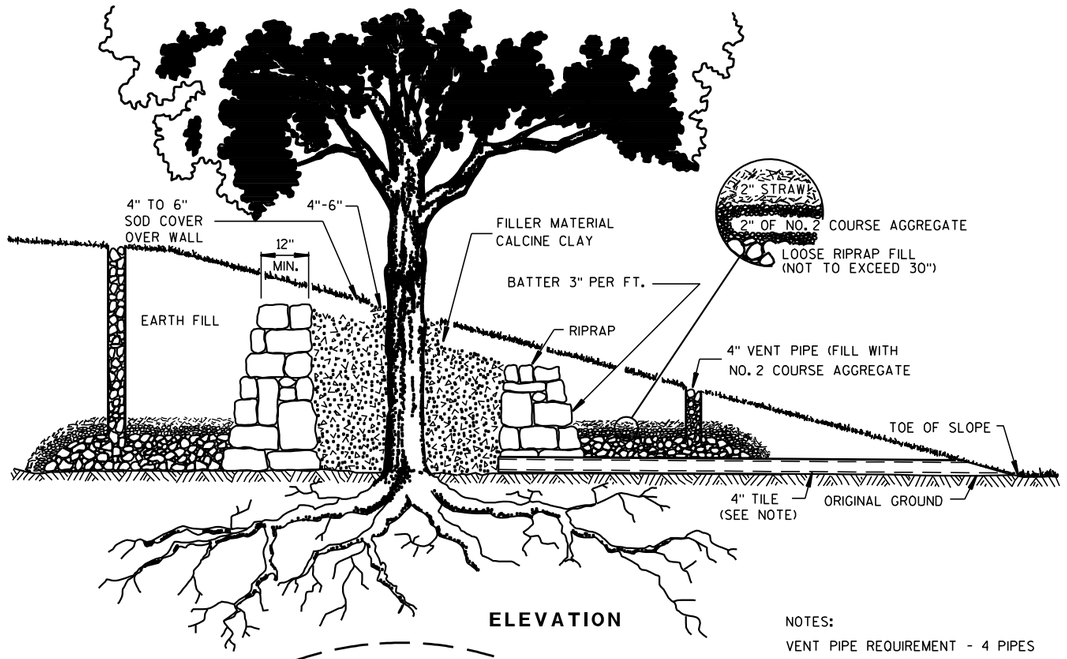
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

483

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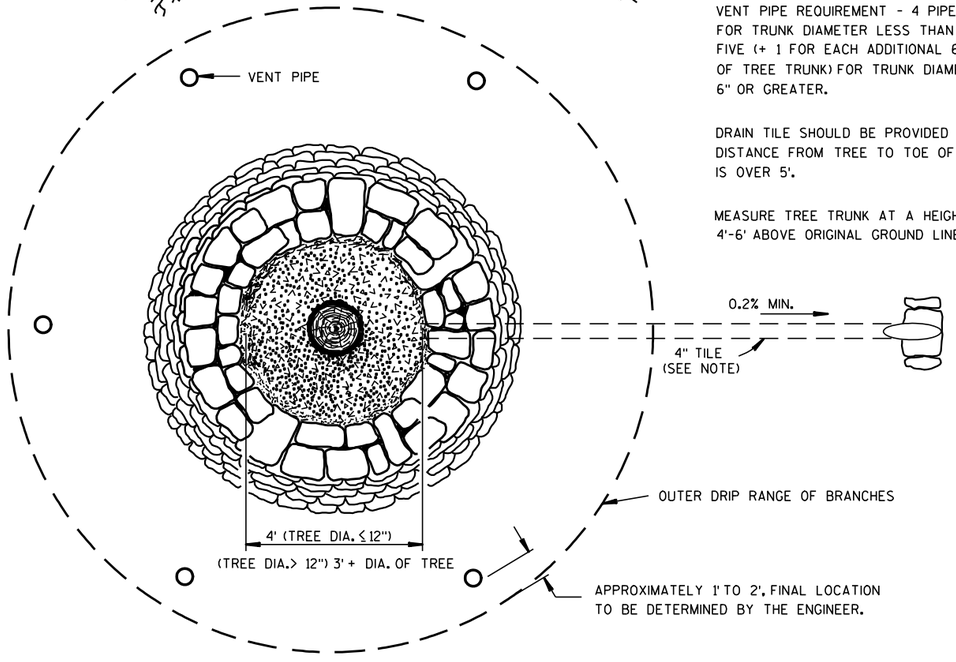
ELEVATION

NOTES:

VENT PIPE REQUIREMENT - 4 PIPES FOR TRUNK DIAMETER LESS THAN 6". FIVE (+ 1 FOR EACH ADDITIONAL 6" OF TREE TRUNK) FOR TRUNK DIAMETER 6" OR GREATER.

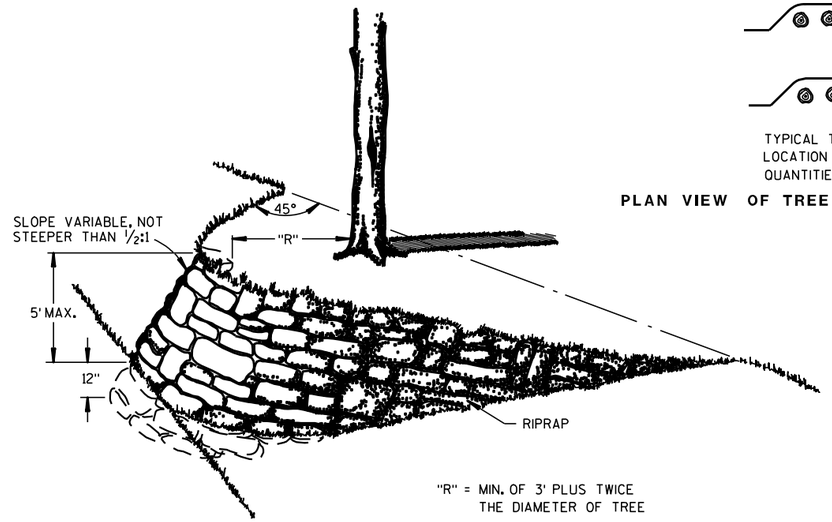
DRAIN TILE SHOULD BE PROVIDED IF DISTANCE FROM TREE TO TOE OF SLOPE IS OVER 5'.

MEASURE TREE TRUNK AT A HEIGHT 4'-6' ABOVE ORIGINAL GROUND LINE.



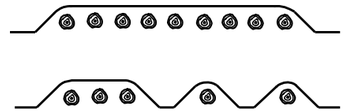
PLAN

FULL TREE WELL WITH RIPRAP WALL



"R" = MIN. OF 3' PLUS TWICE THE DIAMETER OF TREE

DETAILS OF TREE ISLAND AND ROOT PROTECTION



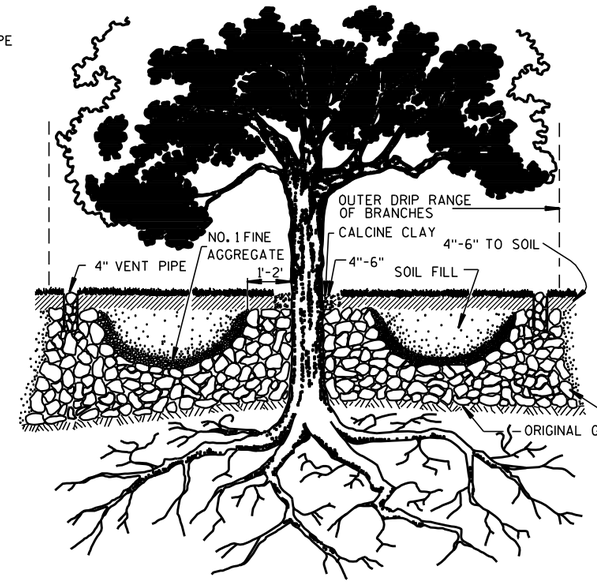
TYPICAL TREATMENTS OF ROOT PROTECTION. LOCATION SHOWN ON MISCELLANEOUS QUANTITIES SHEET.

PLAN VIEW OF TREE ISLANDS FOR ONE OR MORE TREES

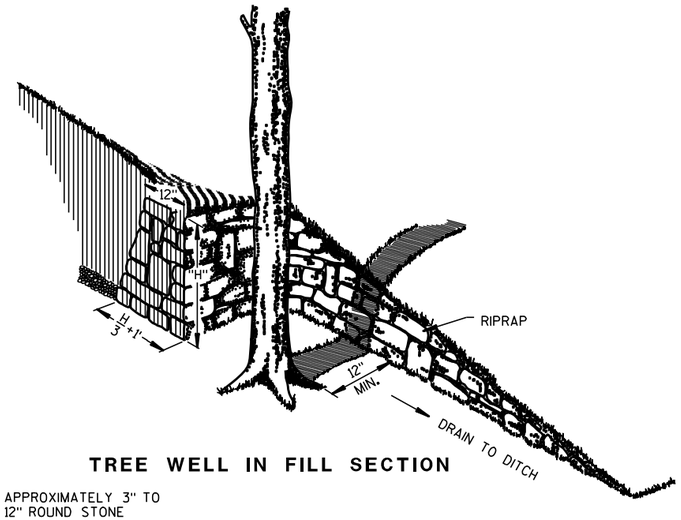
GENERAL NOTES

WALLS TO BE BUILT TO APPROXIMATE SHAPE AND DIMENSIONS SHOWN. STONE TO CONFORM TO SPECIFICATIONS FOR RIPRAP.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.



TREE WELL WITHOUT WALL



TREE WELL IN FILL SECTION

DETAILS FOR TREE WELLS

TREE PRESERVATION DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/25/76 DATE — /S/ D. L. Strand STATE DESIGN ENGINEER — 484 WYS

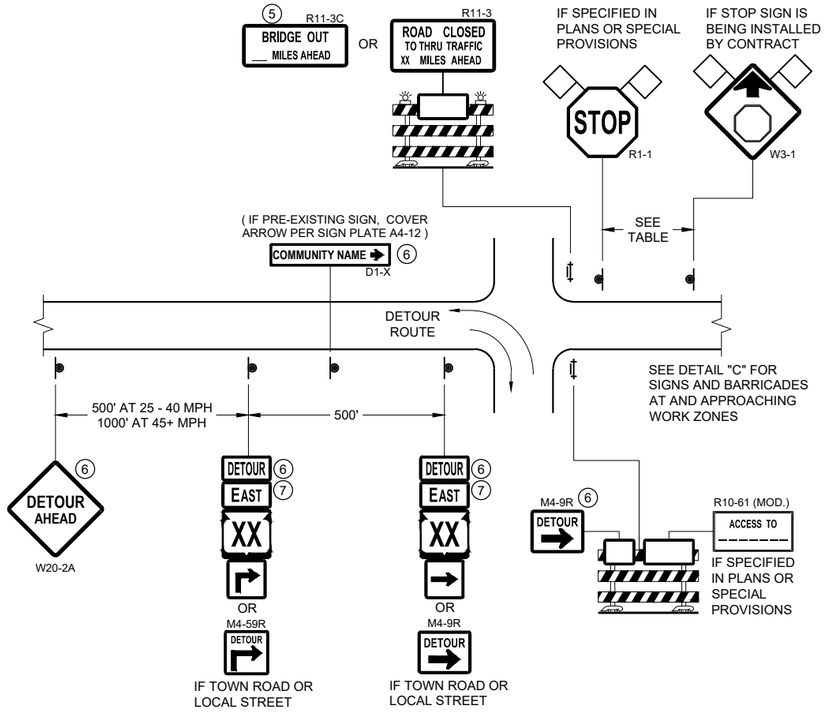
FHWA

6

S.D.D. 14 A 1-3

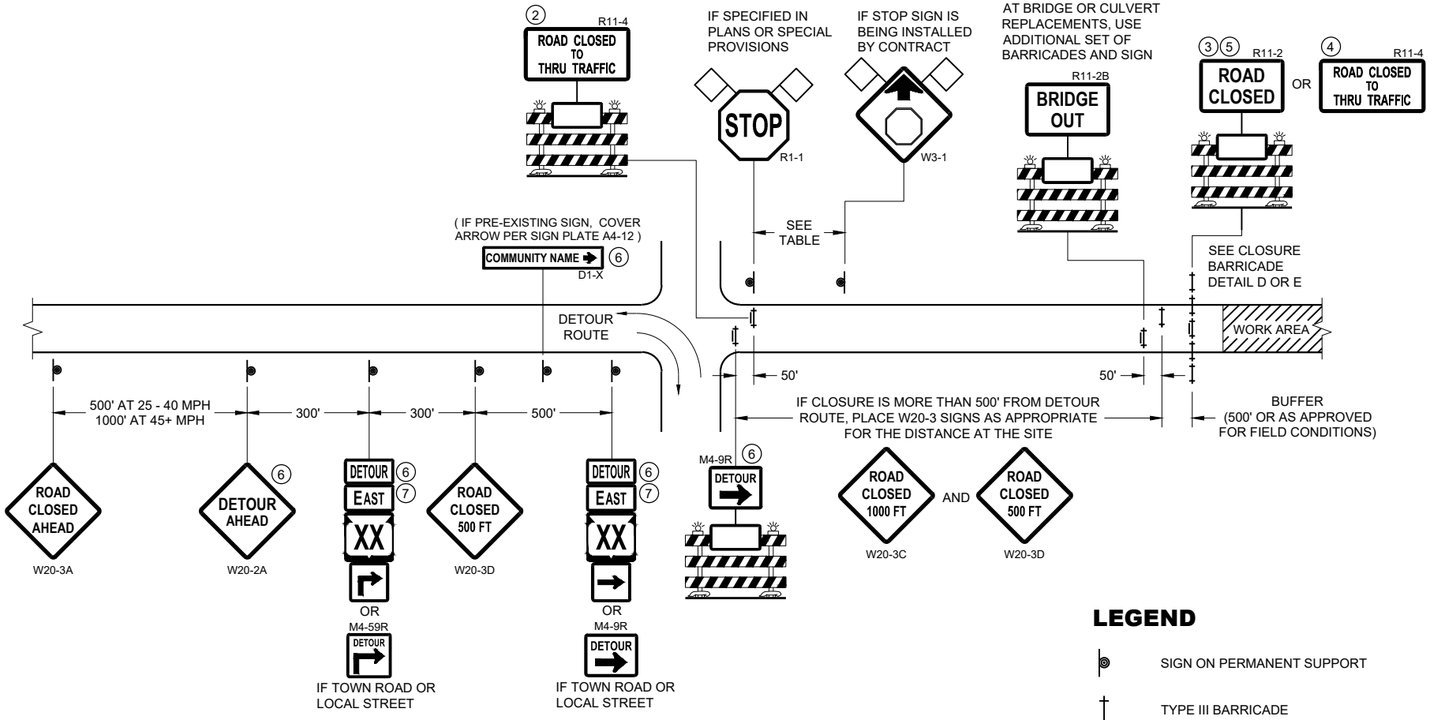
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S.D.D. 14 A 1-3



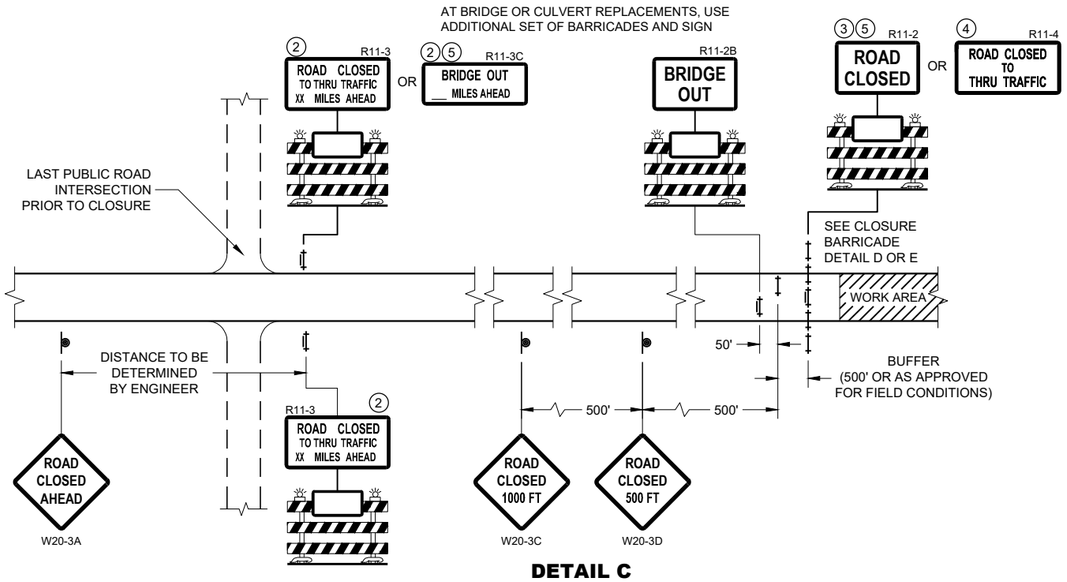
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

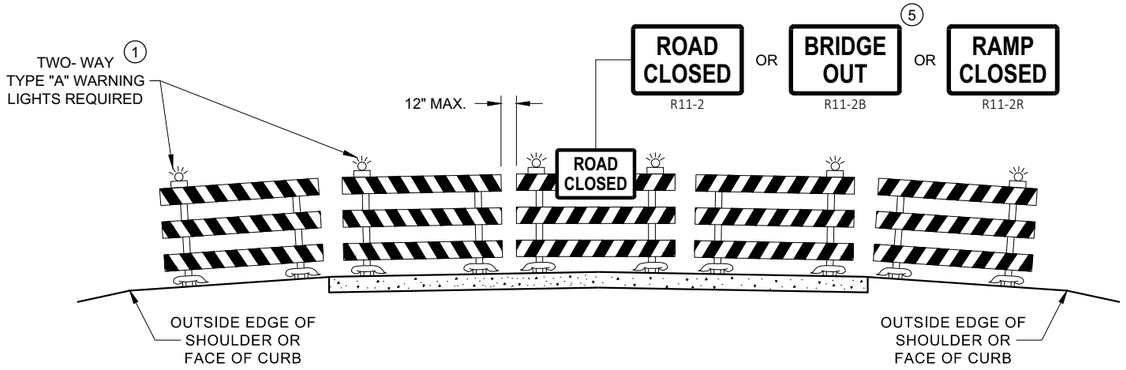
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

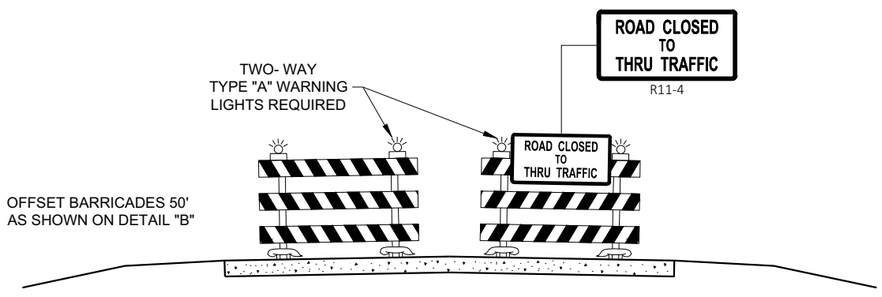
6

SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

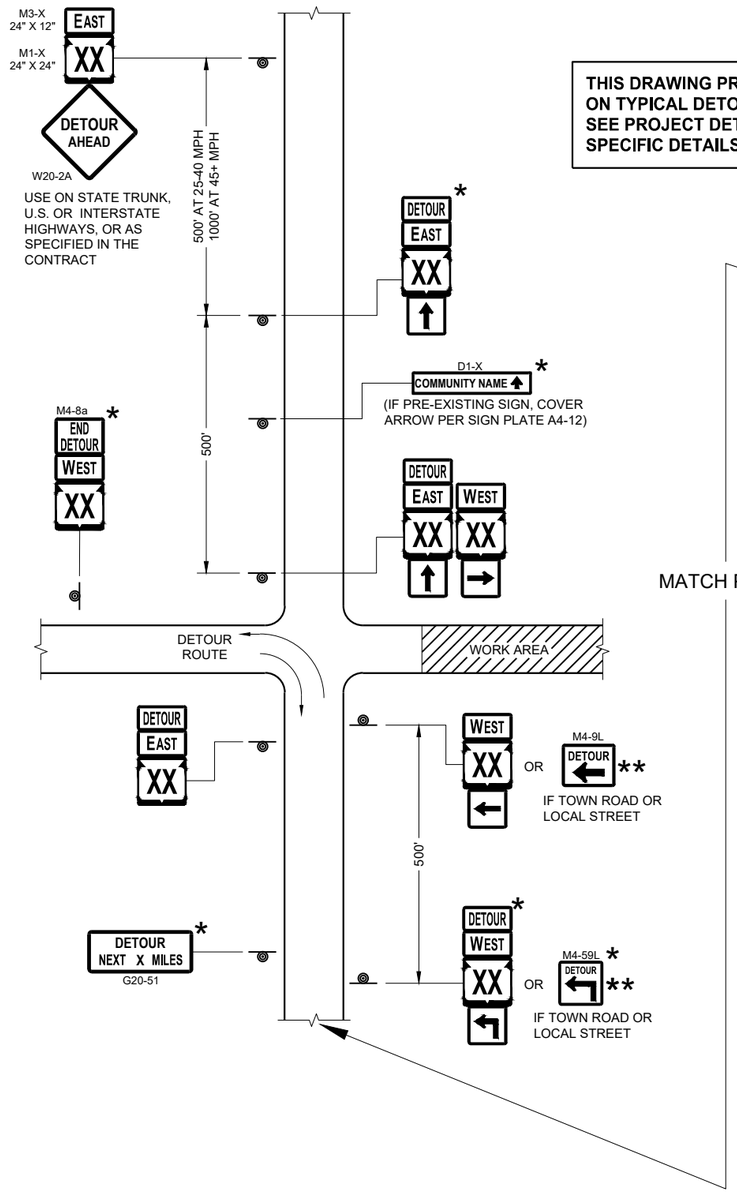
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

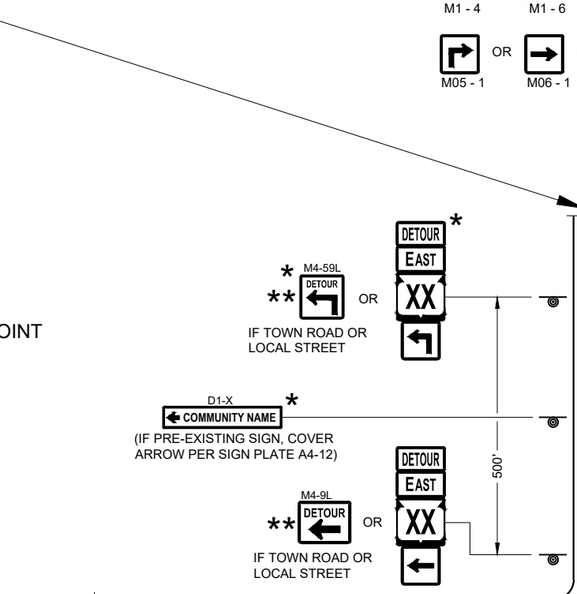
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

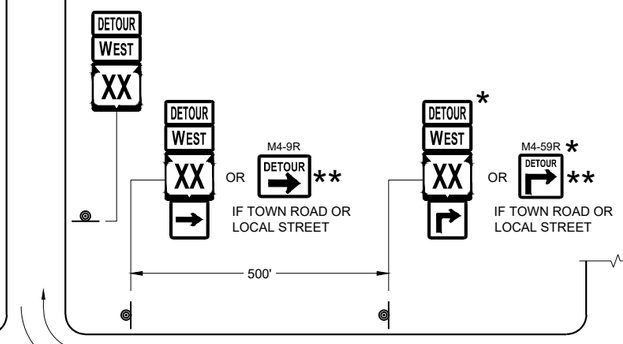
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

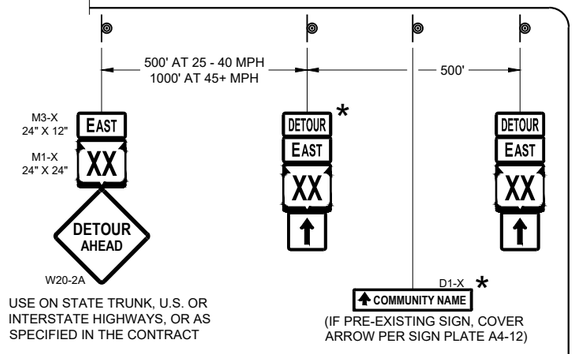
** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.

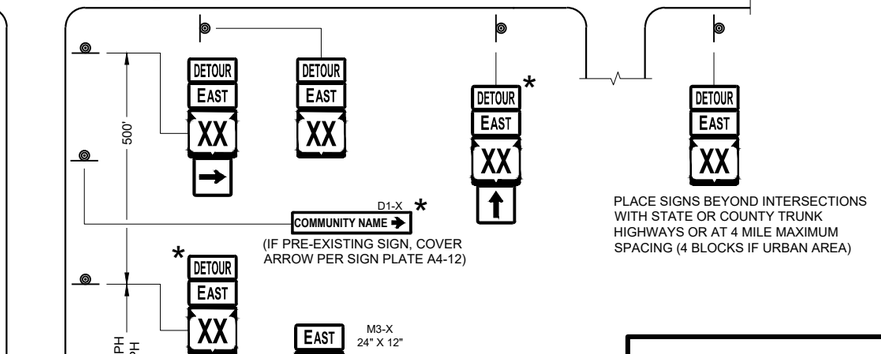


MATCH POINT









SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

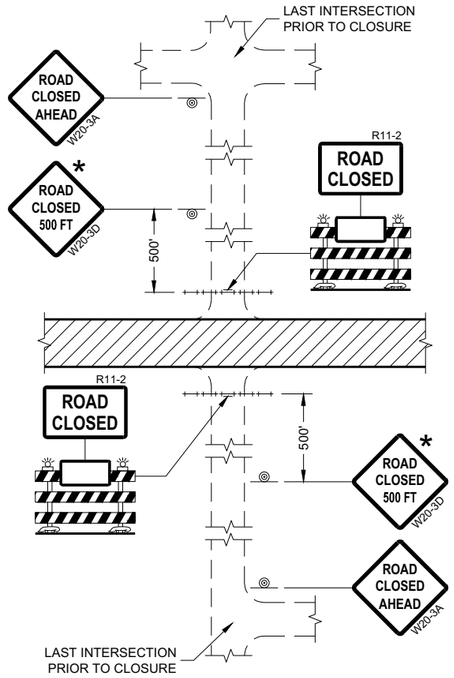
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

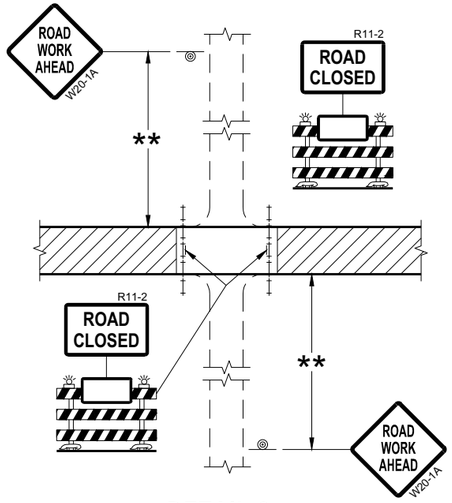
FHWA

SDD 15C02 - 08c

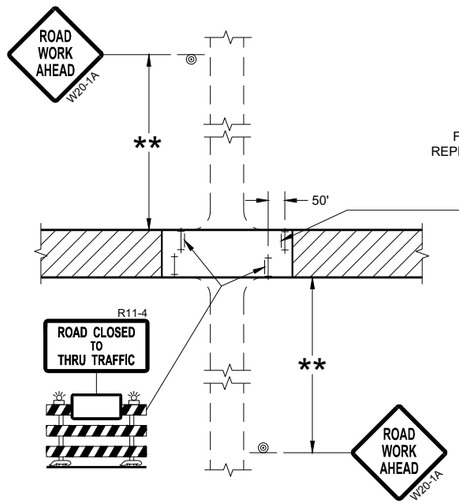
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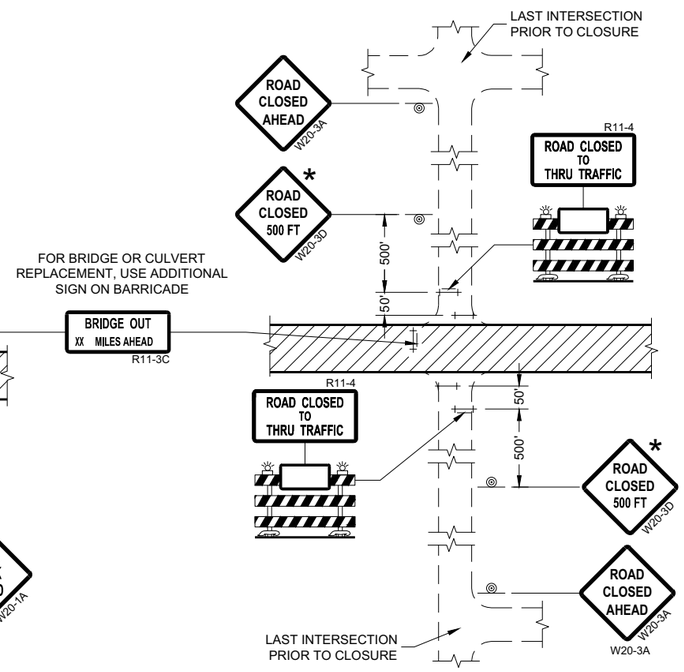
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

488

FHWA

6

SDD 15C03 - 05

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

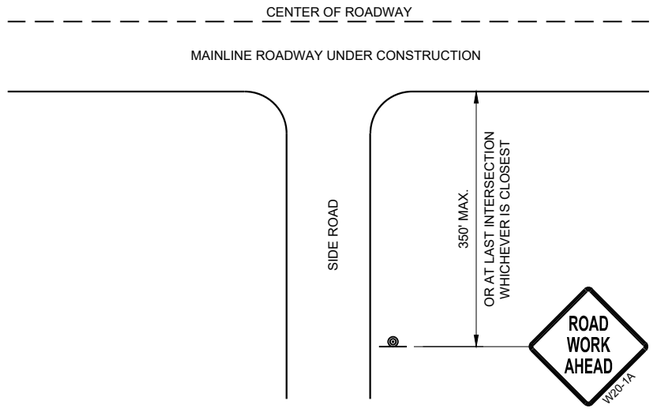
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



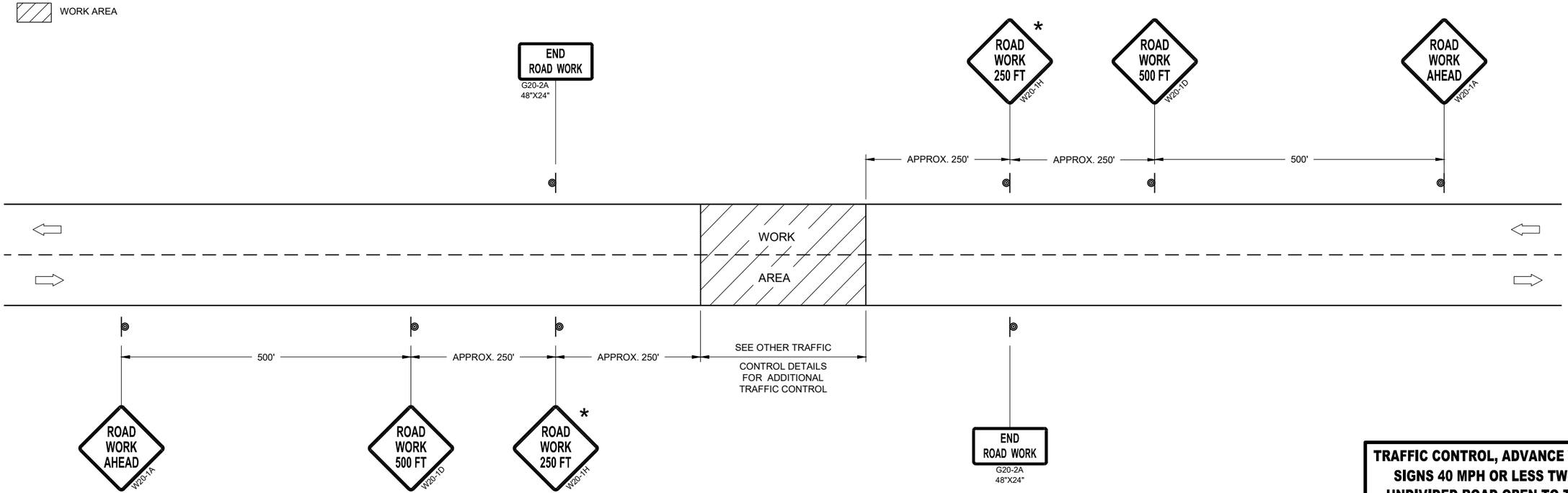
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
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July 2018
DATE

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WORK ZONE ENGINEE

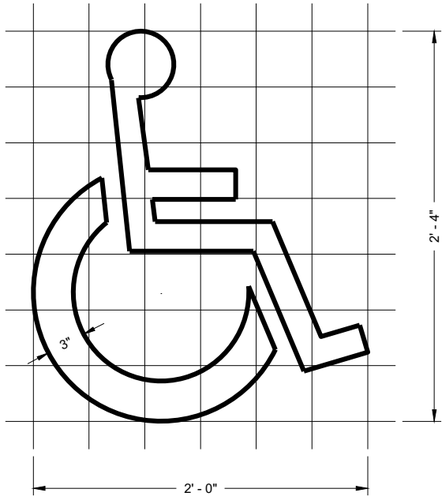
FHWA

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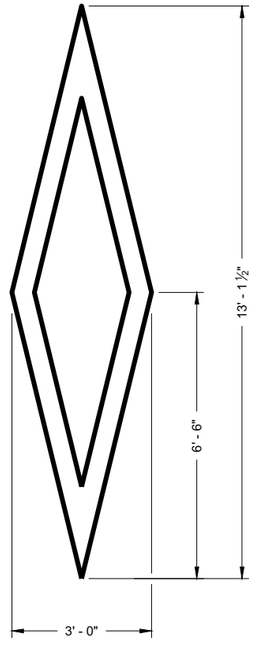
SDD 15C05 - 05

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07 - 15a

SDD 15C07 - 15a

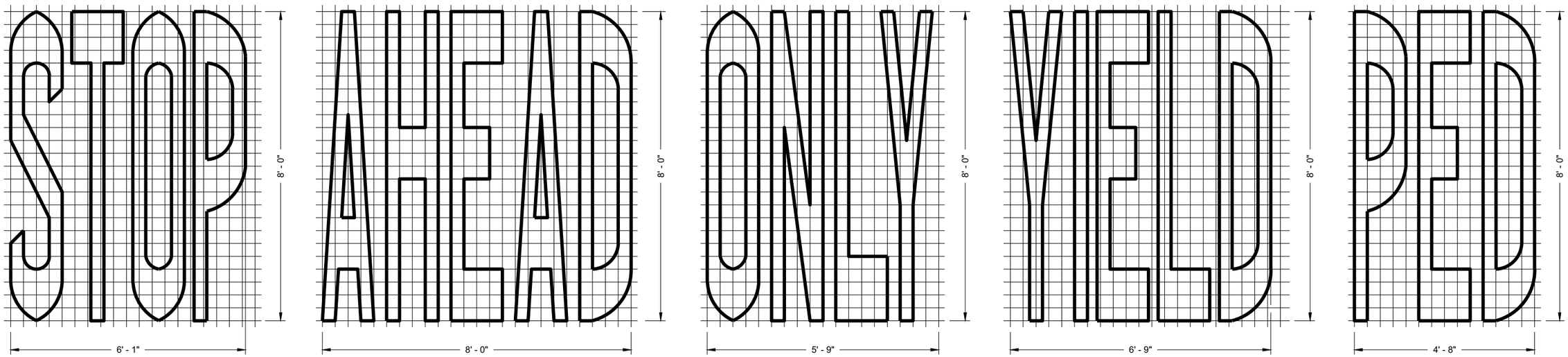
PAVEMENT MARKING SYMBOLS

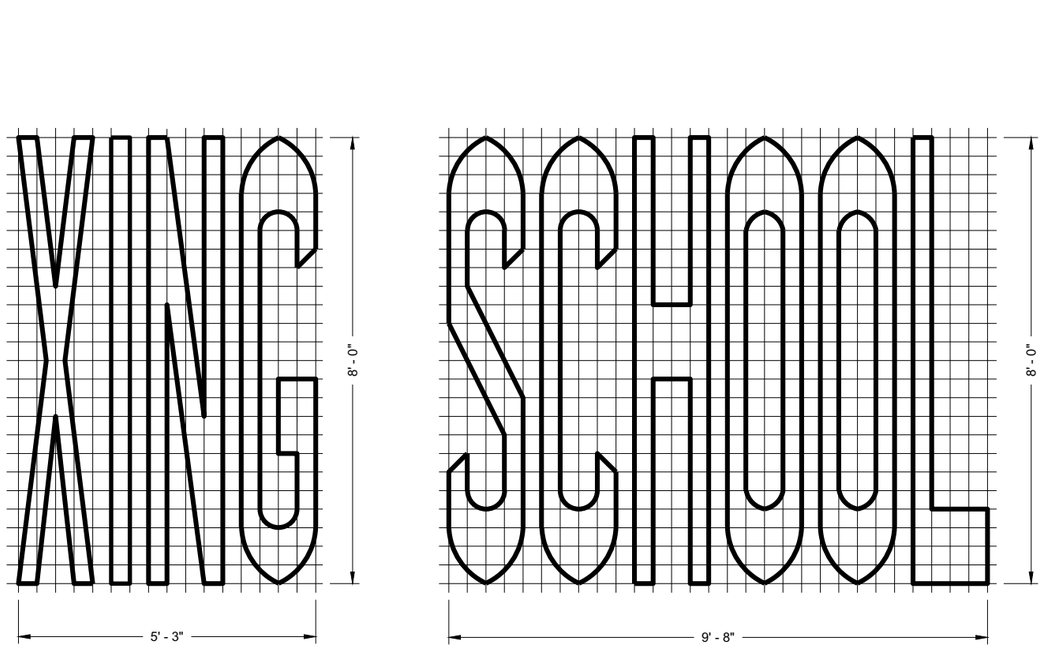
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

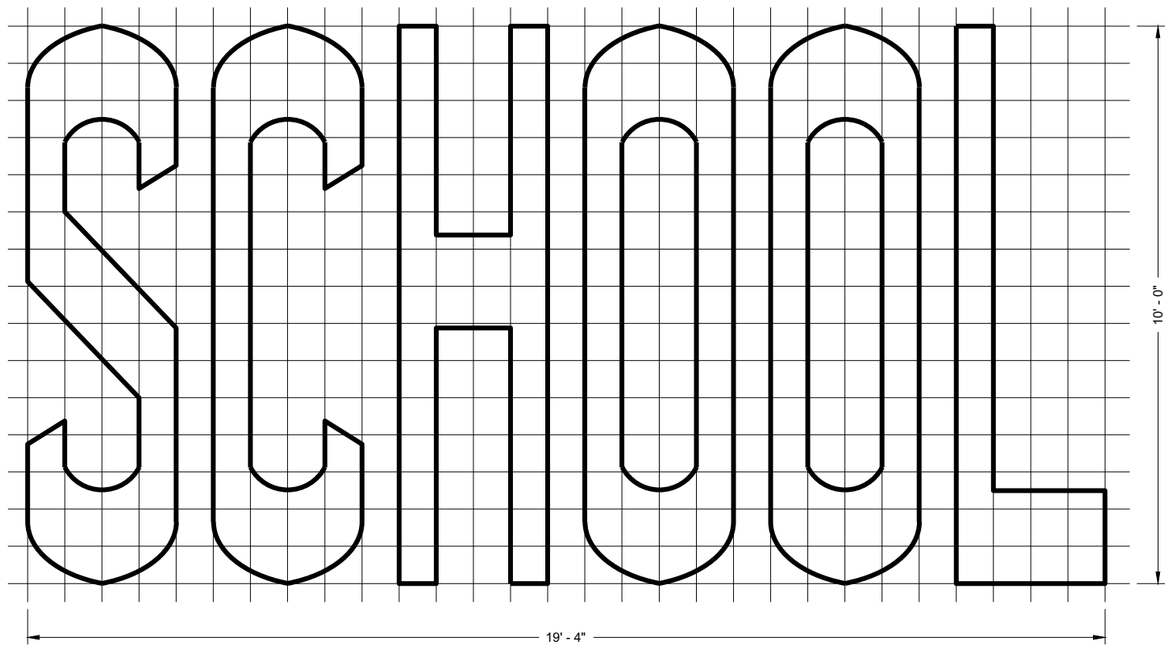
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

FHWA





SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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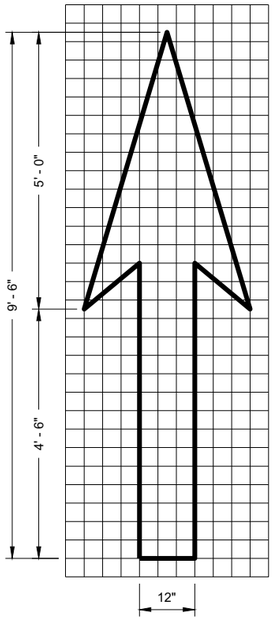
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SDD 15C07 - 15b

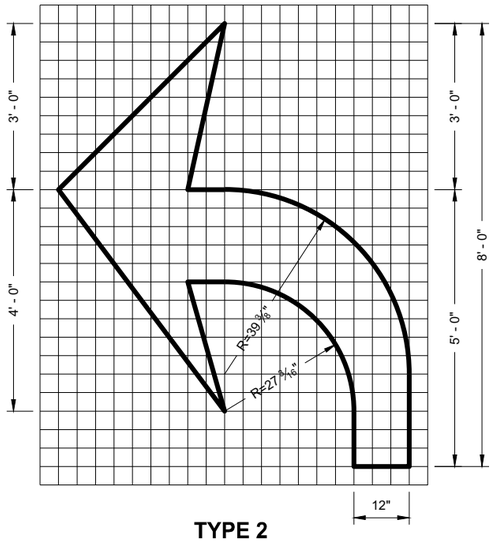
SDD 15C07 - 15b

GENERAL NOTES

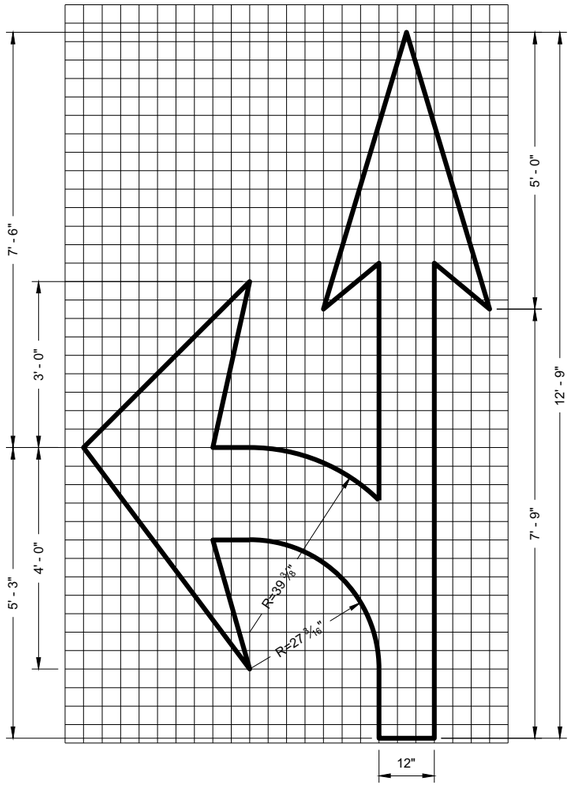
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



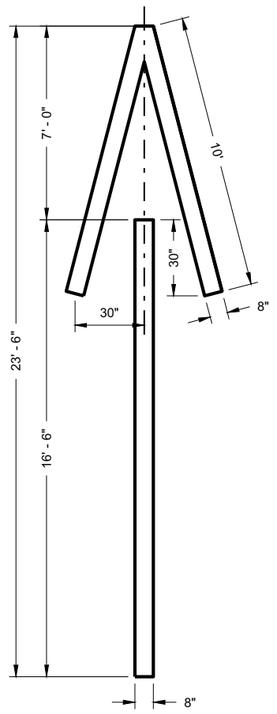
TYPE 1



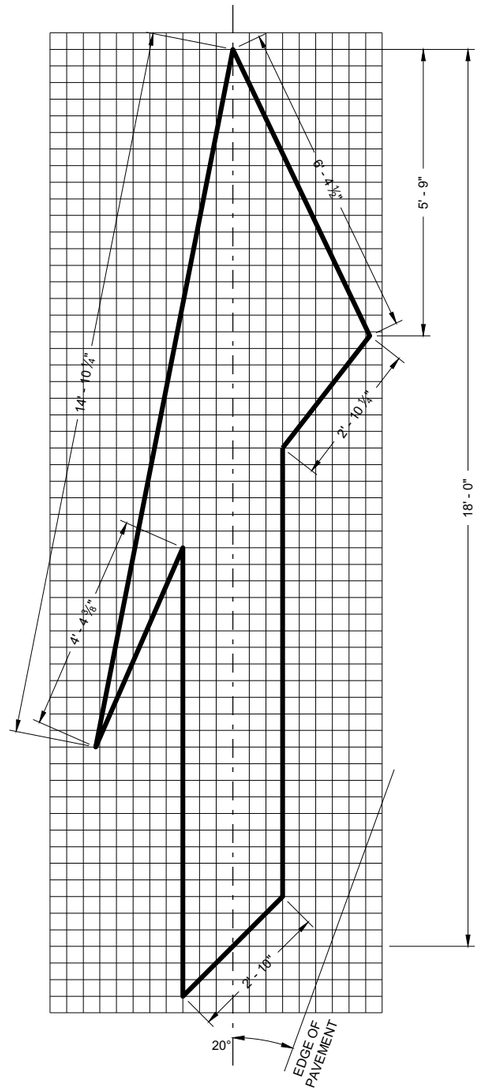
TYPE 2



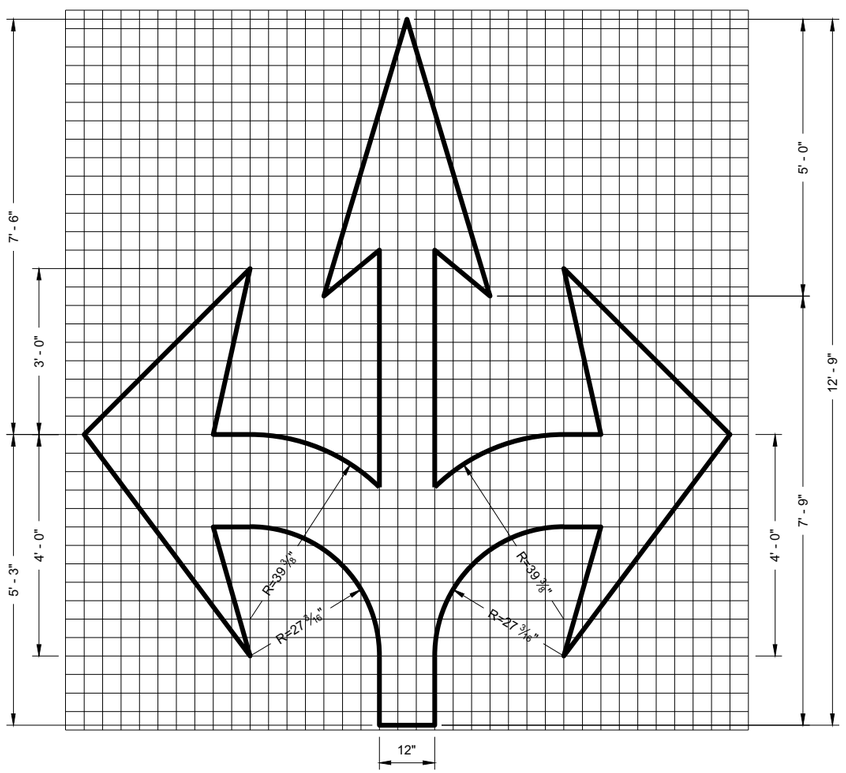
TYPE 3



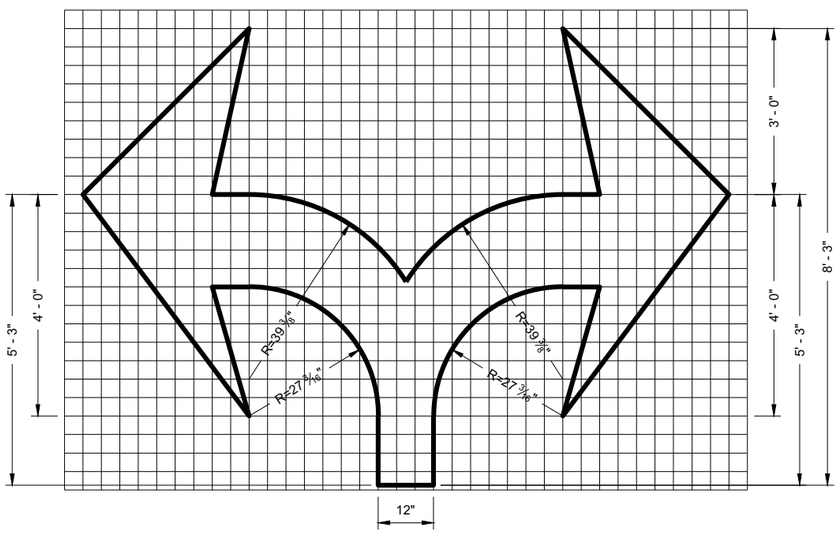
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

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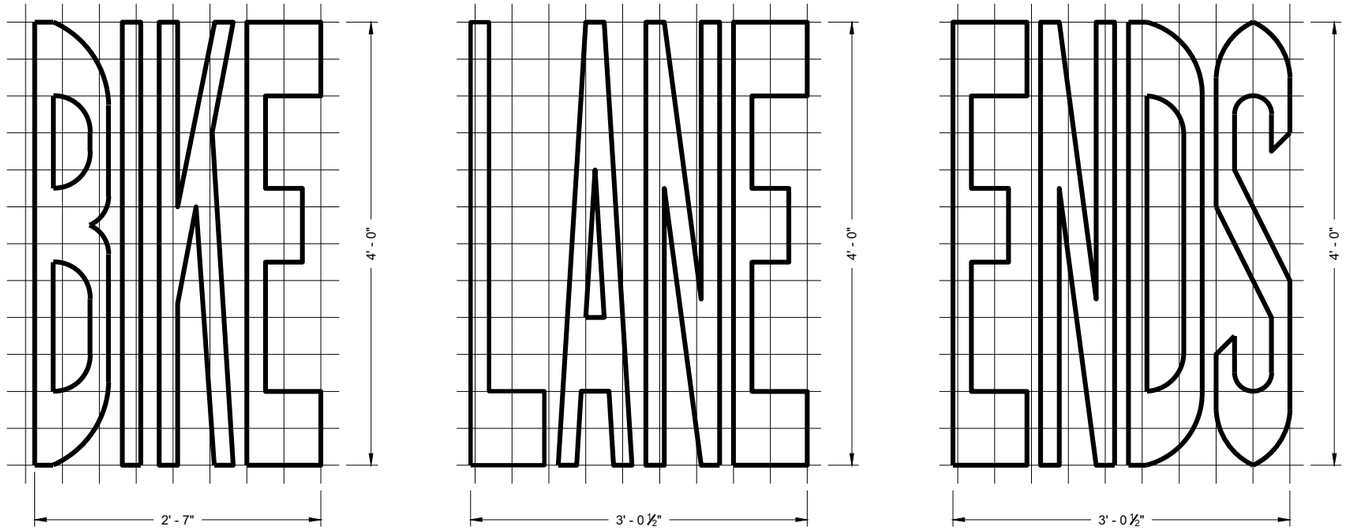
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SDD 15C07 - 15c

6

SDD 15C07 - 15c

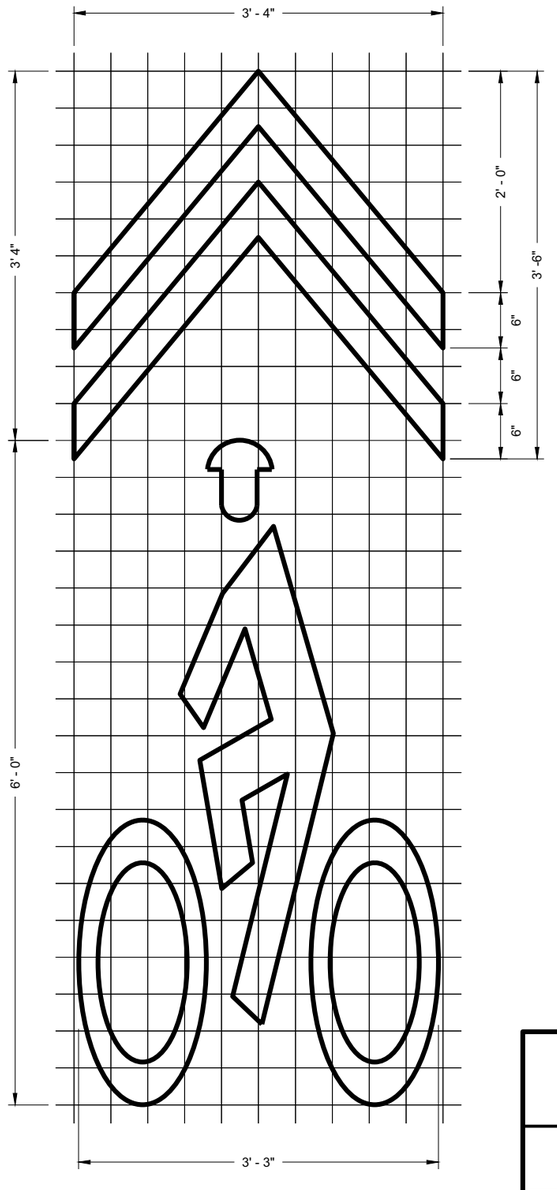
SDD 15C7-e Pavement Marking For Bike Lanes



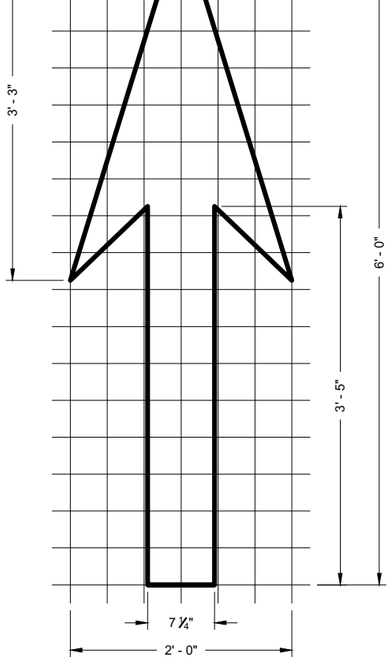
BIKE LANE WORDS

GENERAL NOTES

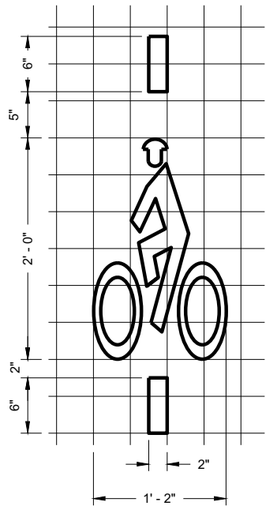
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



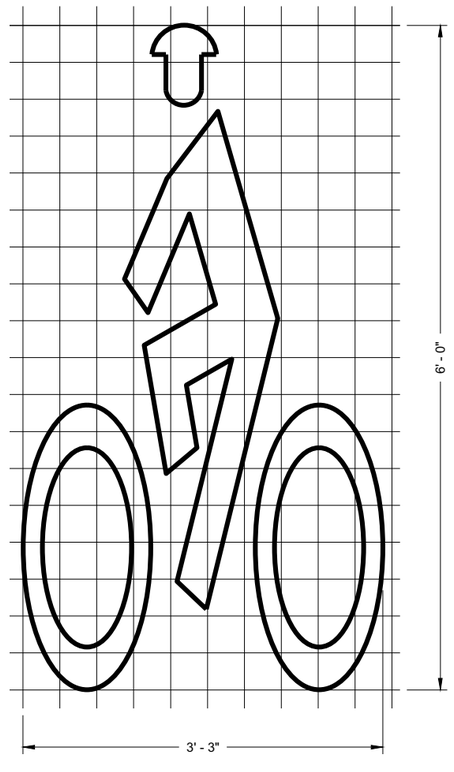
BIKE LANE SYMBOL FOR SHARED LANE



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
493

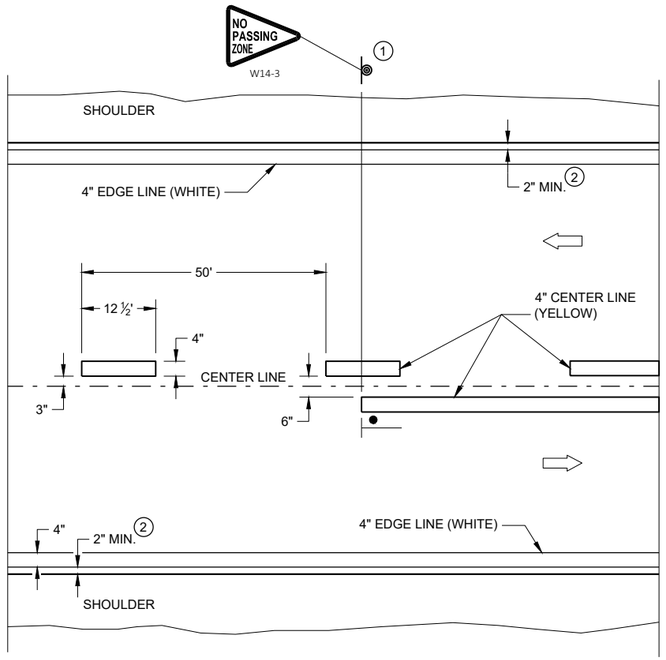
FHWA

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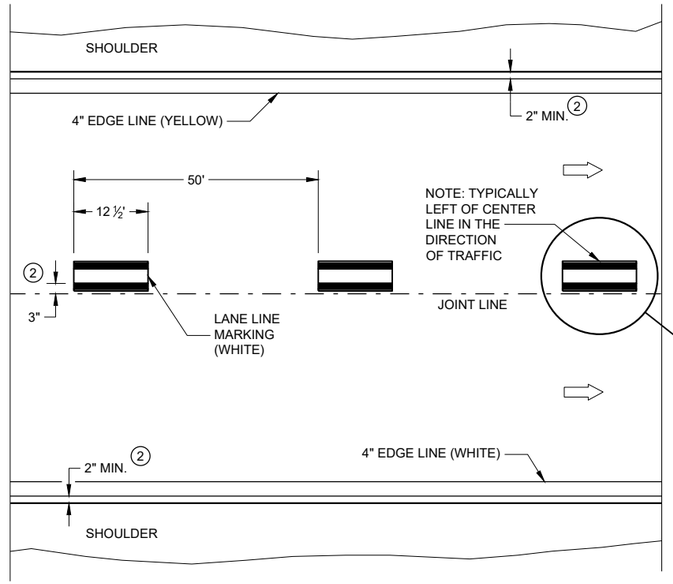
SDD 15C07 - 15e

6

SDD15C07 - 15e

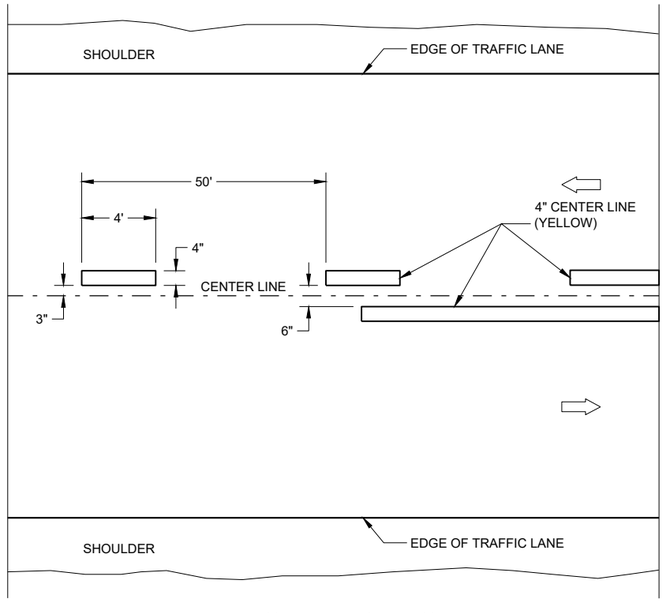


TWO WAY TRAFFIC

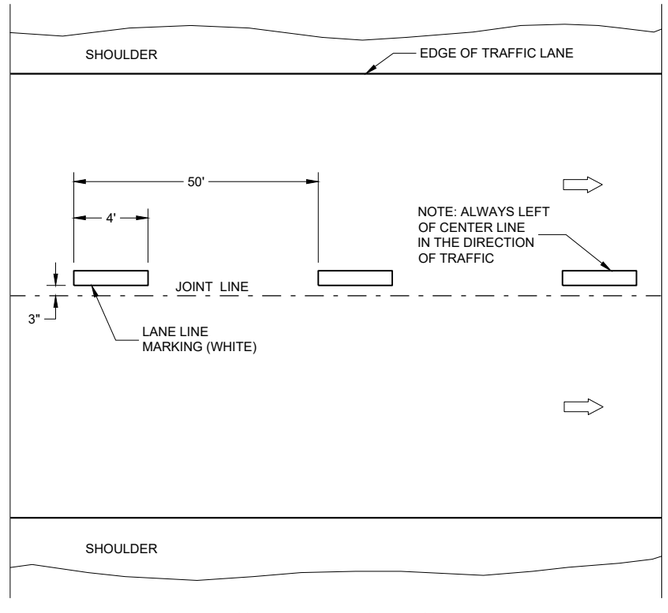


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

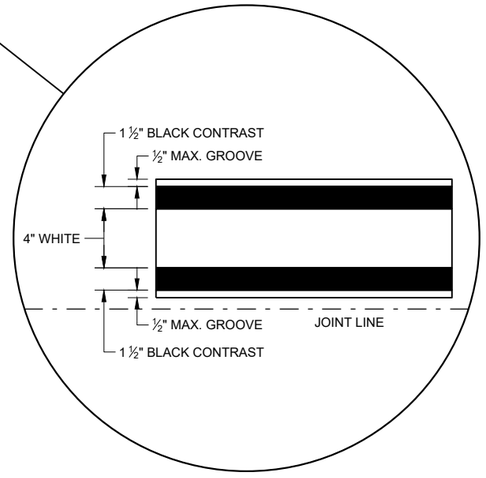
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

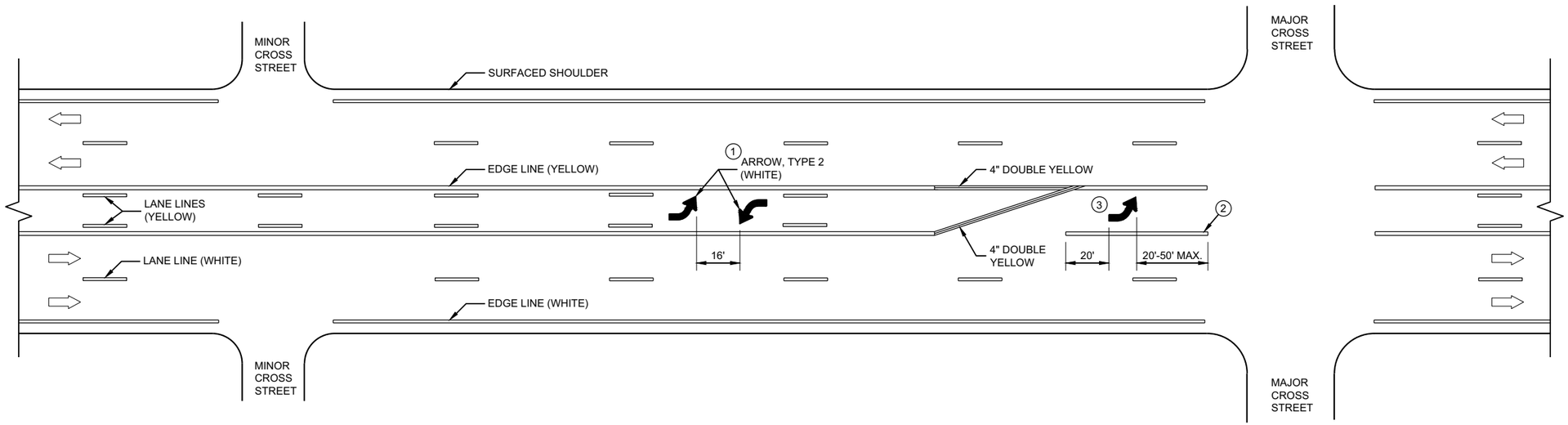
SDD 15C08 - 20a

SDD 15C08 - 20a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

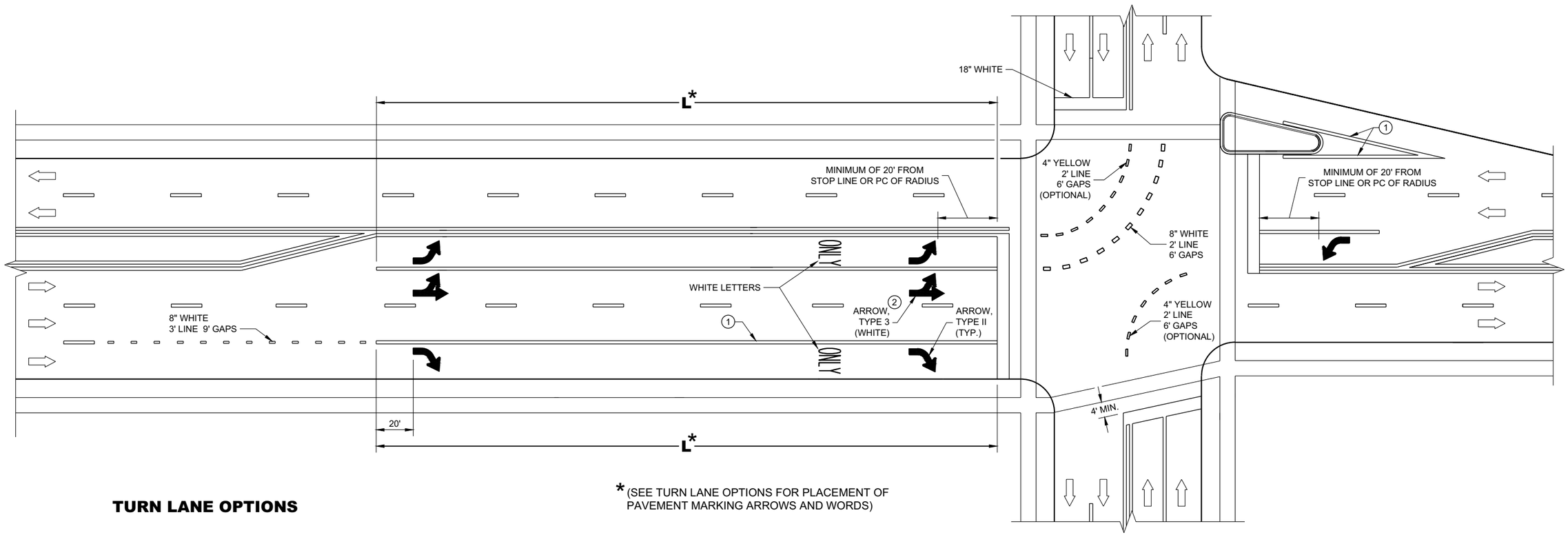
6

SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

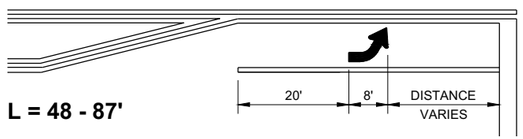
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



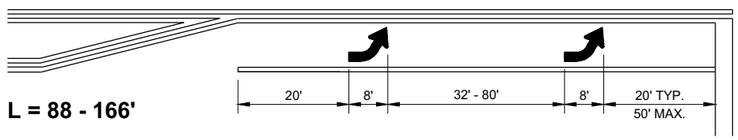
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

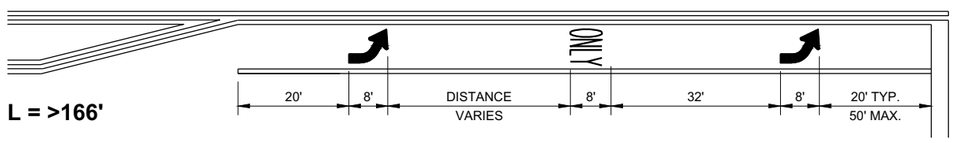
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

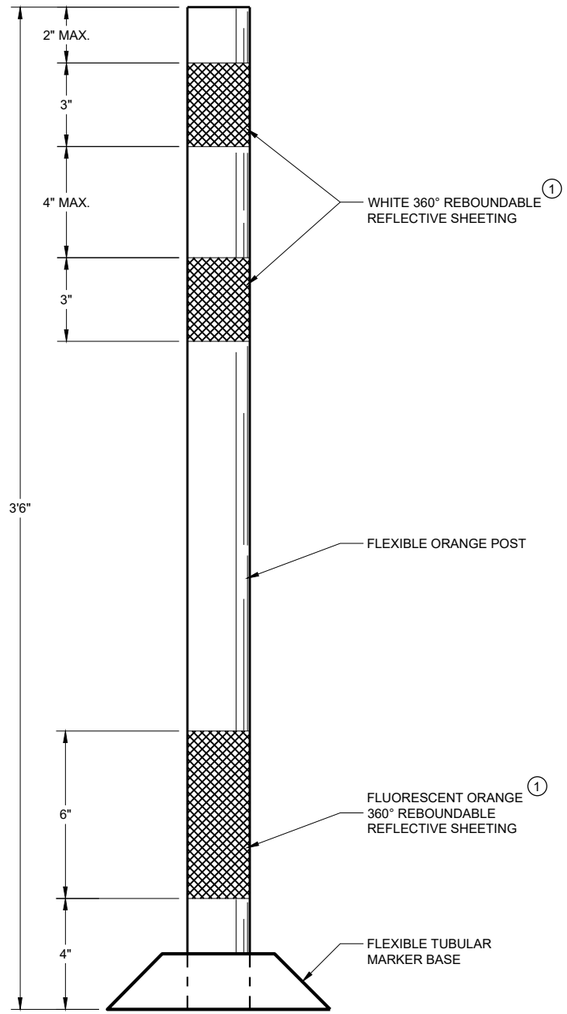
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

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SDD 15C11 - 09a

SDD 15C11 - 09a

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

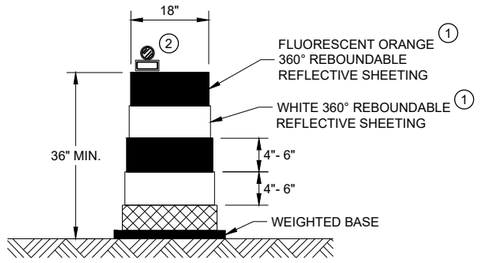
APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

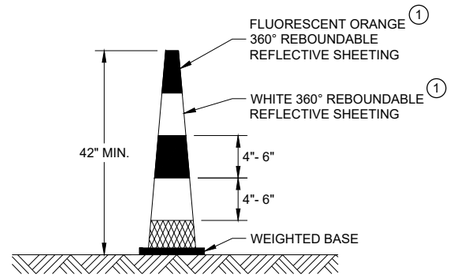
FHWA

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

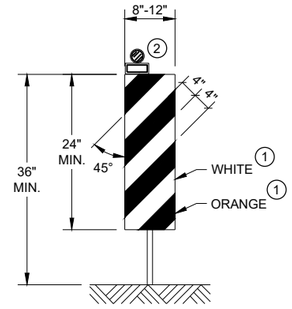


DRUM



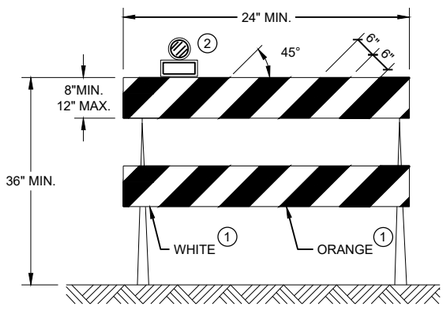
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



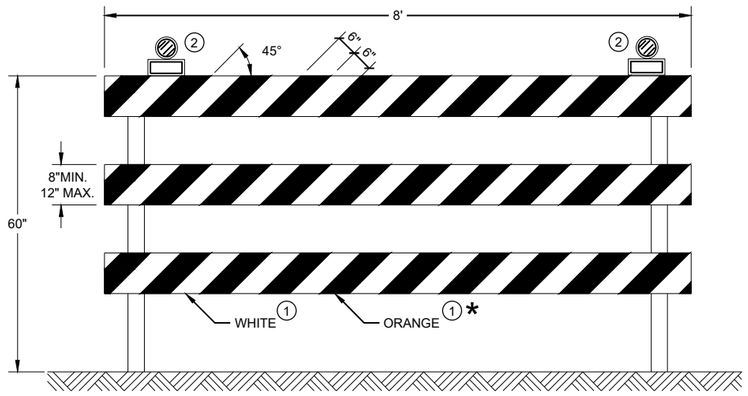
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

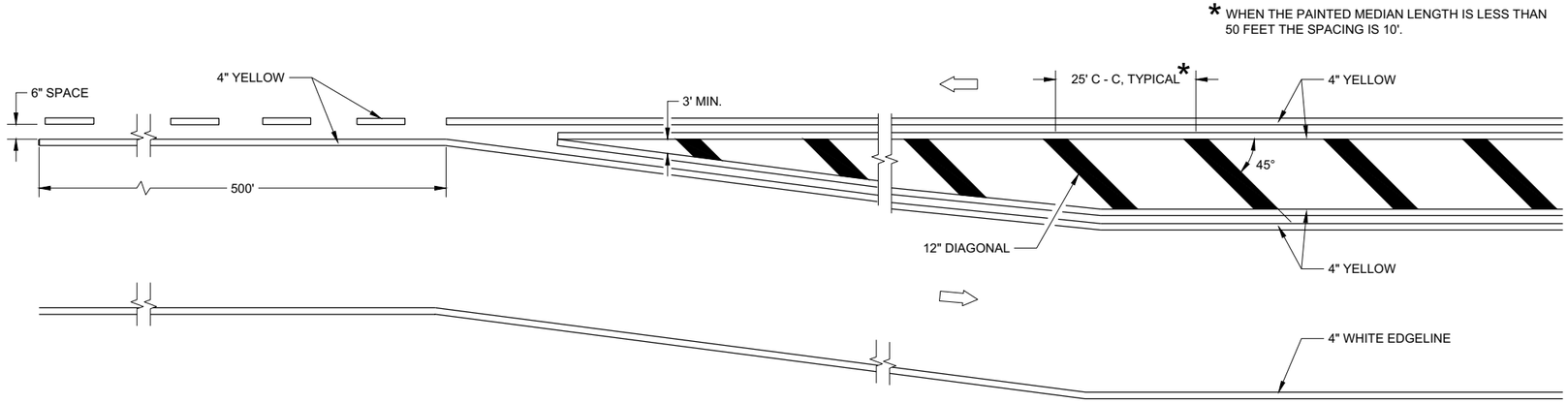
FHWA

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SDD 15C11 - 09b

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SDD 15C11 - 09b

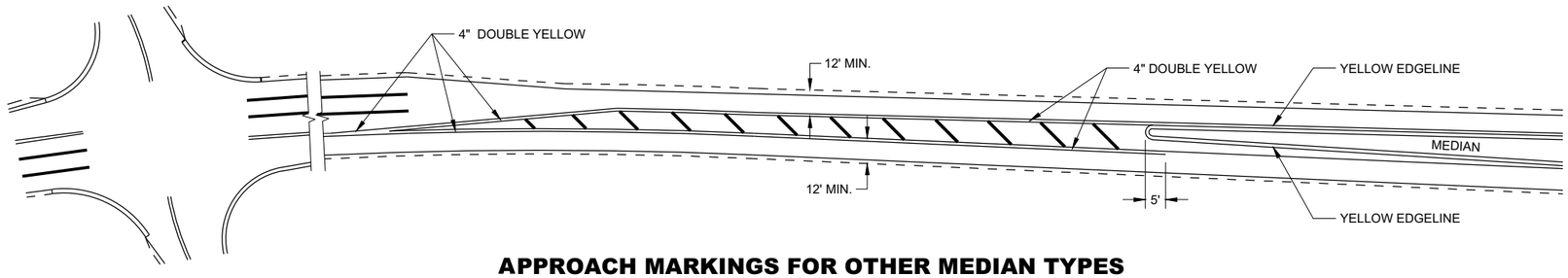


MEDIAN ISLAND DETAIL

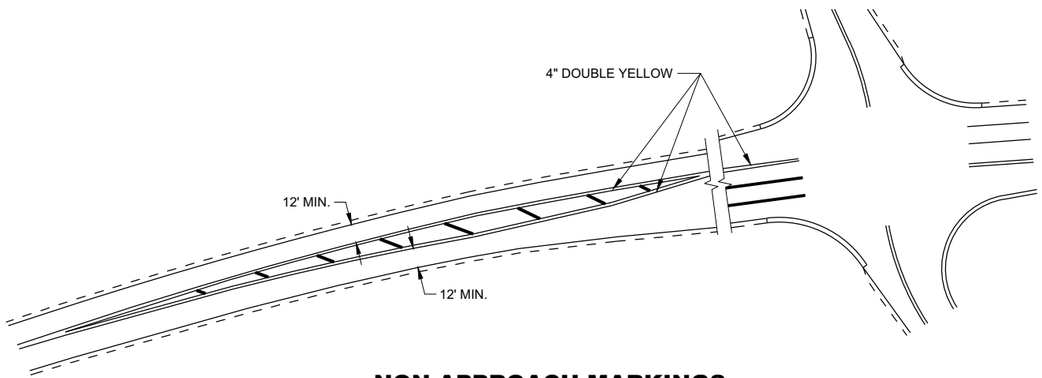
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

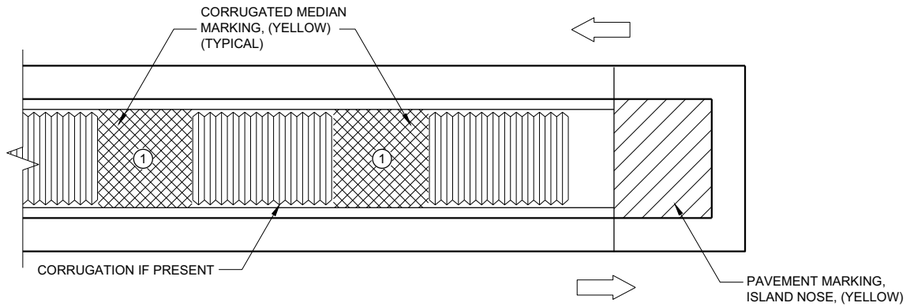
FHWA

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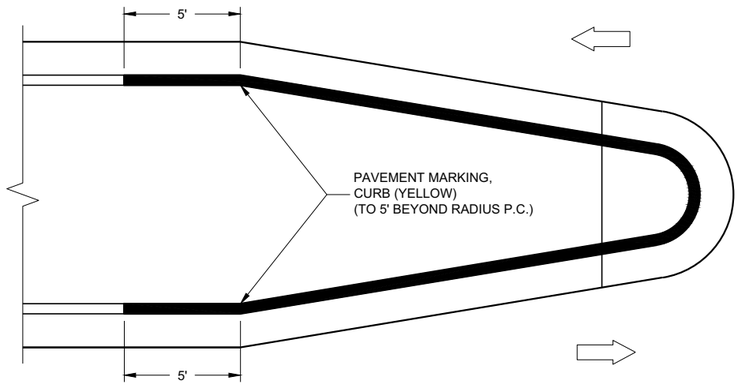
SDD 15C18 - 05a

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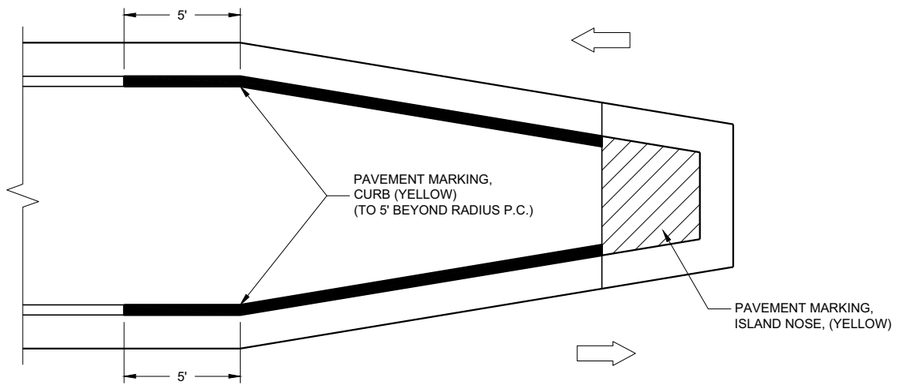
SDD 15C18 - 05a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

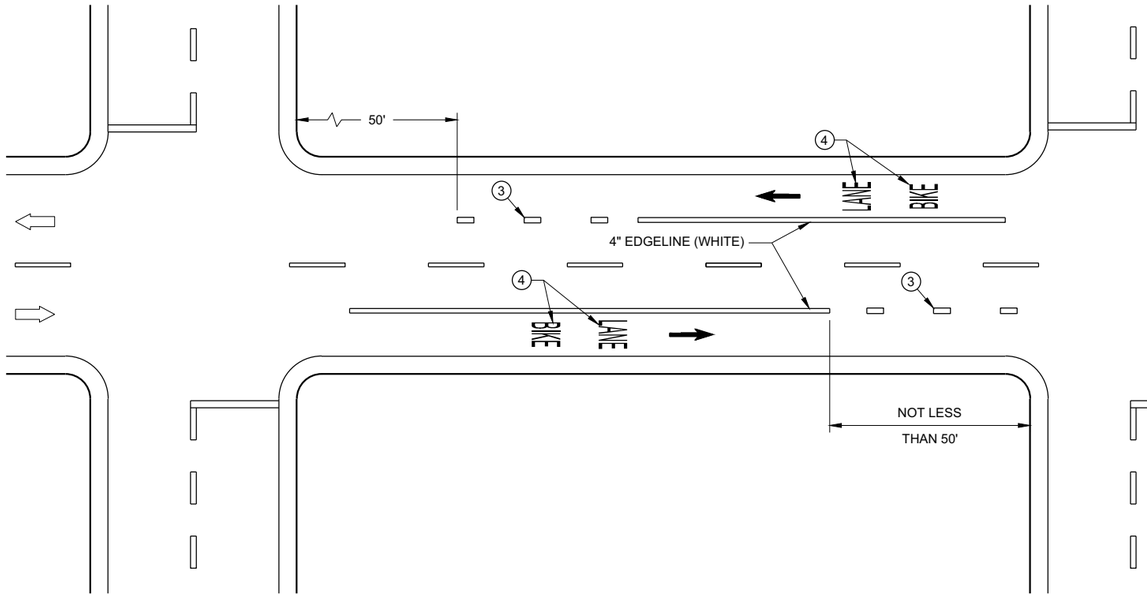
February 2021
DATE

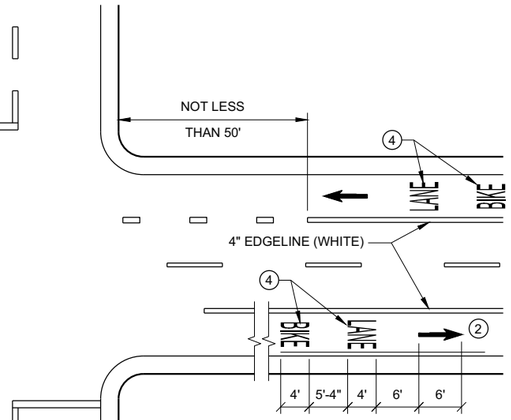
/S/ Matthew R. Rauch
STATE SIGNING AND MAF
ENGINEER

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SDD15C18 - 05b



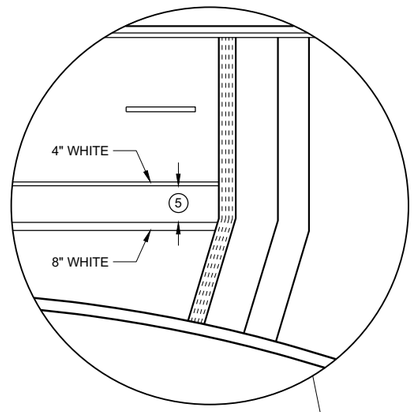


GENERAL NOTES

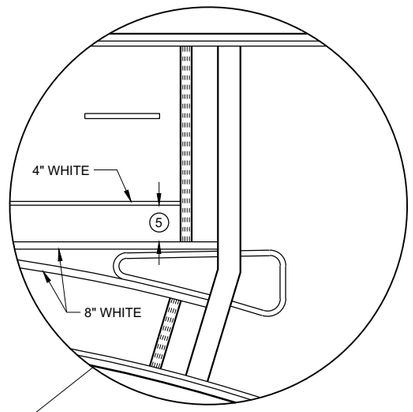
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

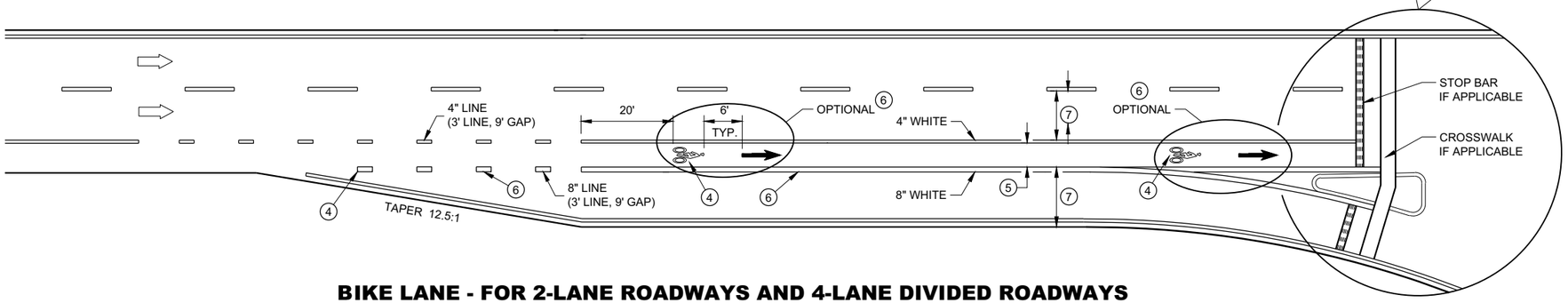
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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SDD 15C29 - 07a

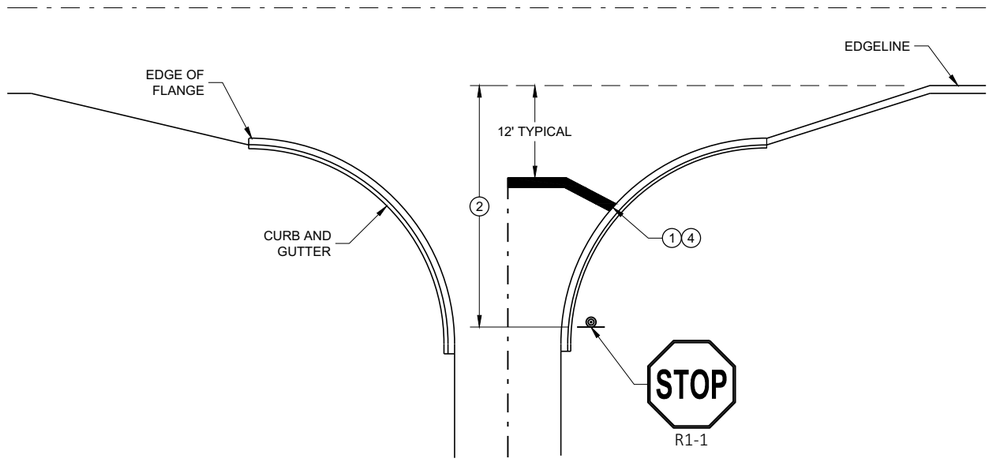
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SDD 15C29 - 07a

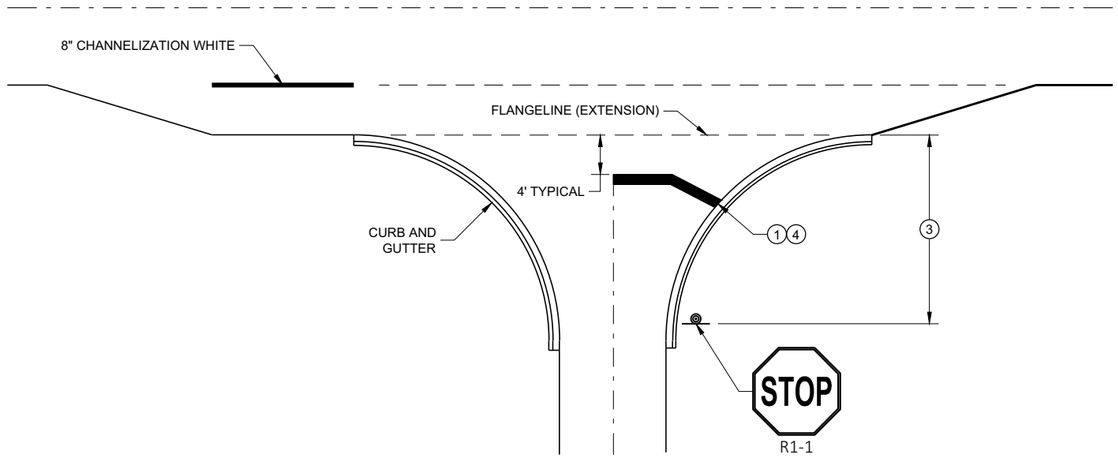
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

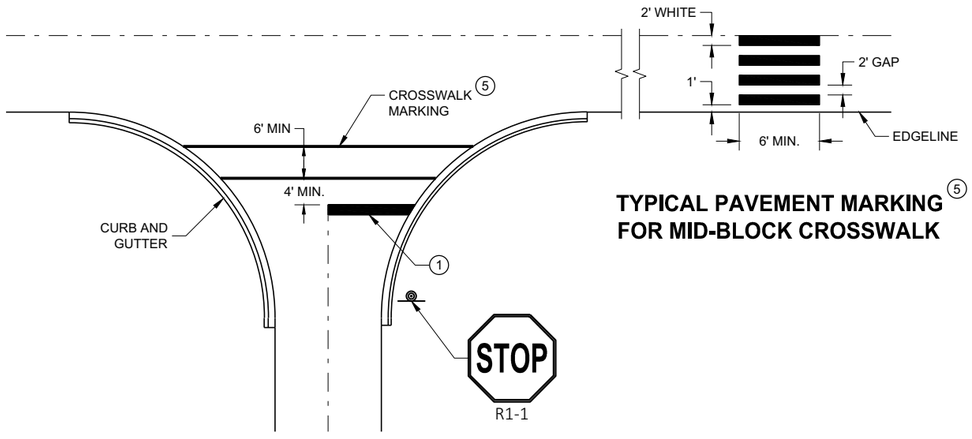
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

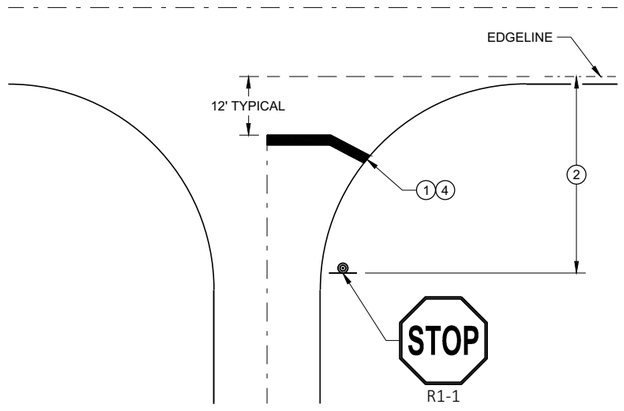


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

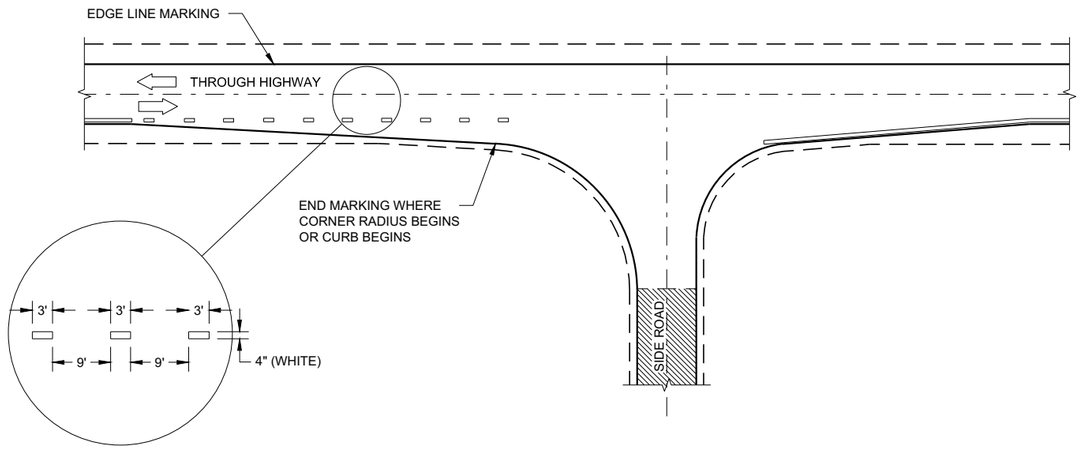
APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

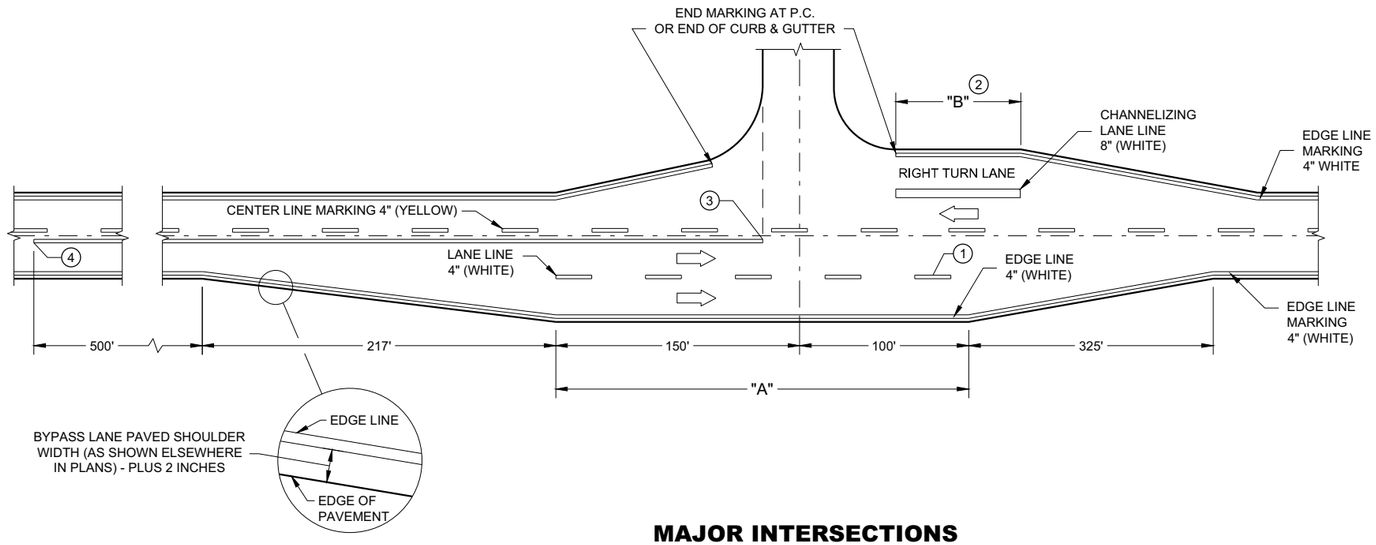
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SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

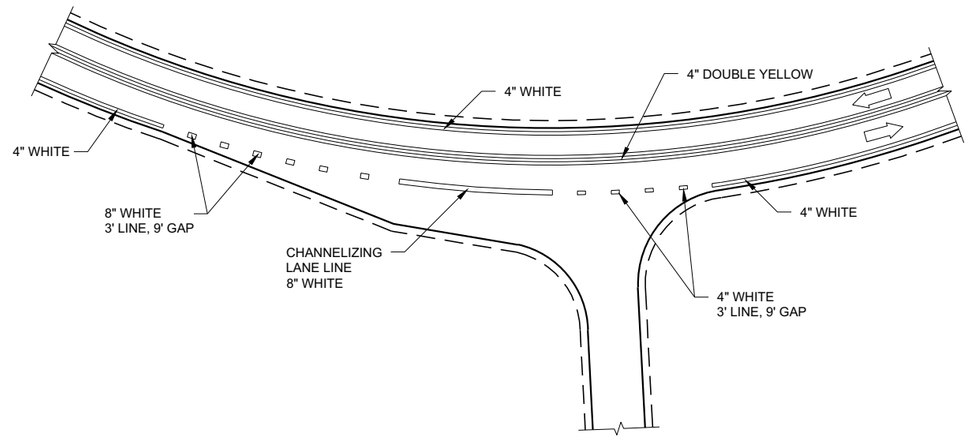
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C35 - 04a

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SDD 15C35 - 04a

LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR, FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4 INCH DOUBLE YELLOW.



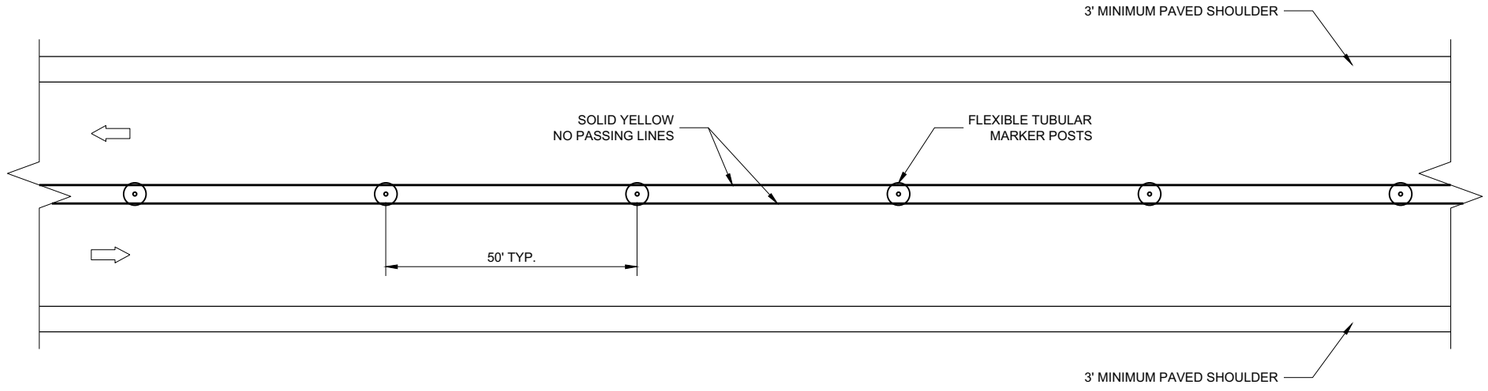
(1)



(2)

(1) THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.

(2) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
STATE TRAFFIC ENGINEER O 504

FHWA

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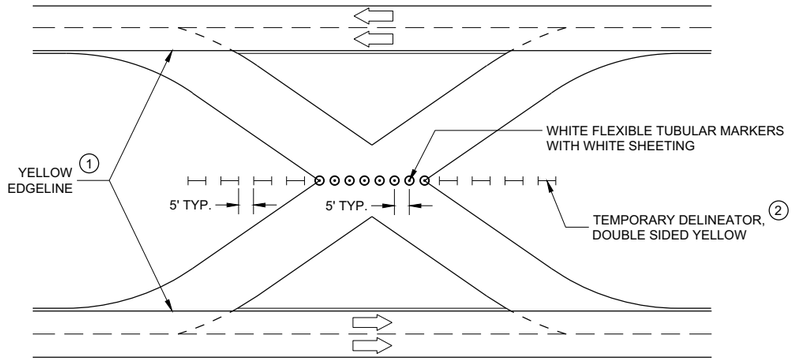
SDD 15D06 - 04

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SDD 15D06 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- DELINEATOR FLEXIBLE / TUBULAR MARKER
- TEMPORARY DELINEATOR (STEEL POST WITH SINGLE DELINEATOR) COLOR OF DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- TEMPORARY DELINEATOR (DOUBLE SIDED)
- TYPE "A" WARNING LIGHT (FLASHING)
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKINGS
- WORK AREA



TRAFFIC CONTROL FOR CROSSOVER THAT IS NOT IN USE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

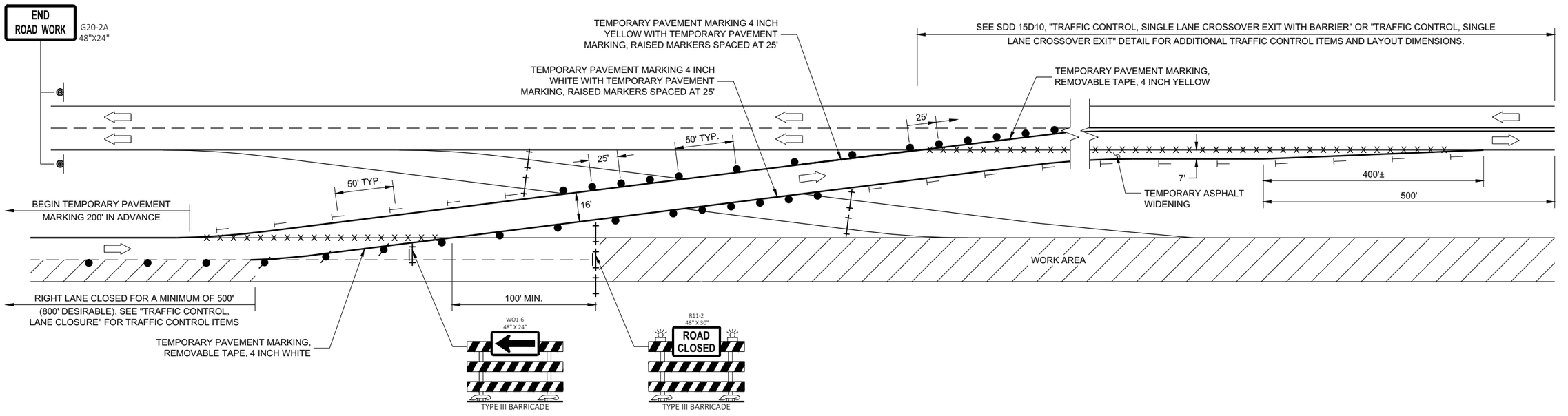
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

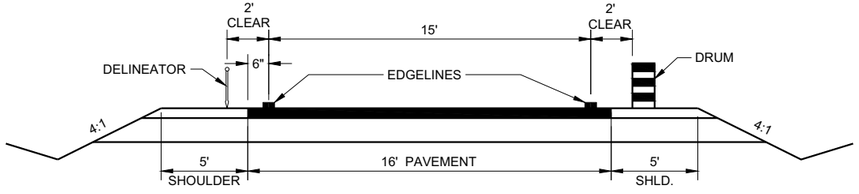
THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN CROSSING PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER USED OF CROSSOVER AND TEMPORARY PAVEMENT MARKING WHERE USED.

REVERSE DEVICES WHEN OTHER LEG OF CROSSOVER IS IN USE.

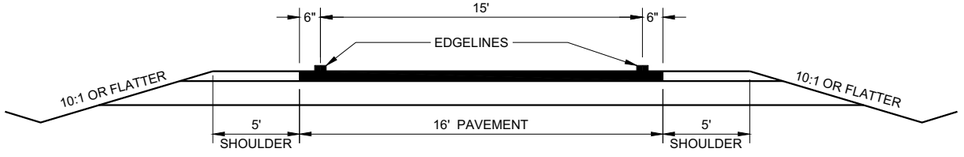
1. FOR PERMANENT CROSSOVER, PAVEMENT MARKING SHOULD CONFORM TO SECTION 646 OF THE STANDARD SPECIFICATIONS.
2. FOR PERMANENT CROSSOVER, INSTALL PERMANENT DELINEATORS ACCORDING TO SECTION 633 OF THE STANDARD SPECIFICATIONS.





TYPICAL TEMPORARY CROSSOVER ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)



TYPICAL CROSSOVER TO REMAIN IN PLACE ROADWAY DIMENSIONS

(SEE PLAN FOR ROADWAY DESIGN ELEMENTS)

TRAFFIC CONTROL, SINGLE LANE CROSSOVER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15D11 - 07

SDD 15D11 - 07

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

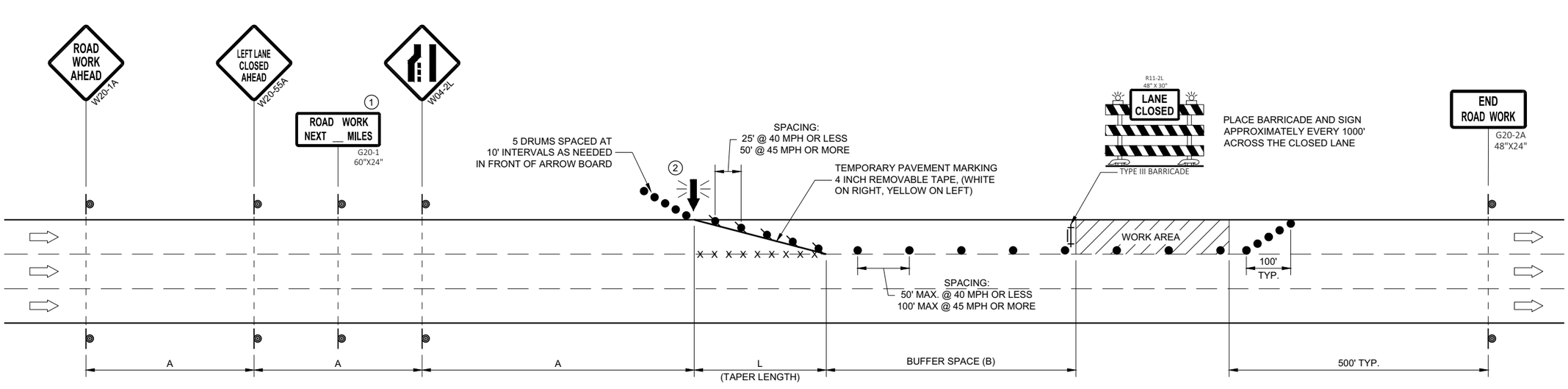
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

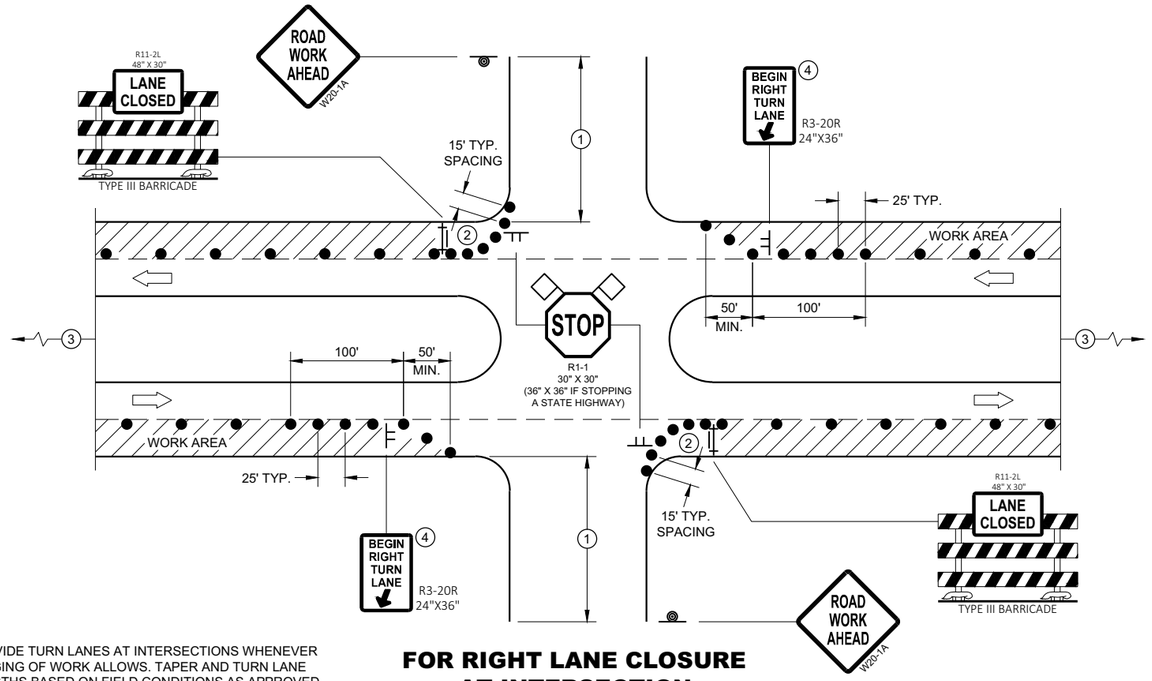
TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

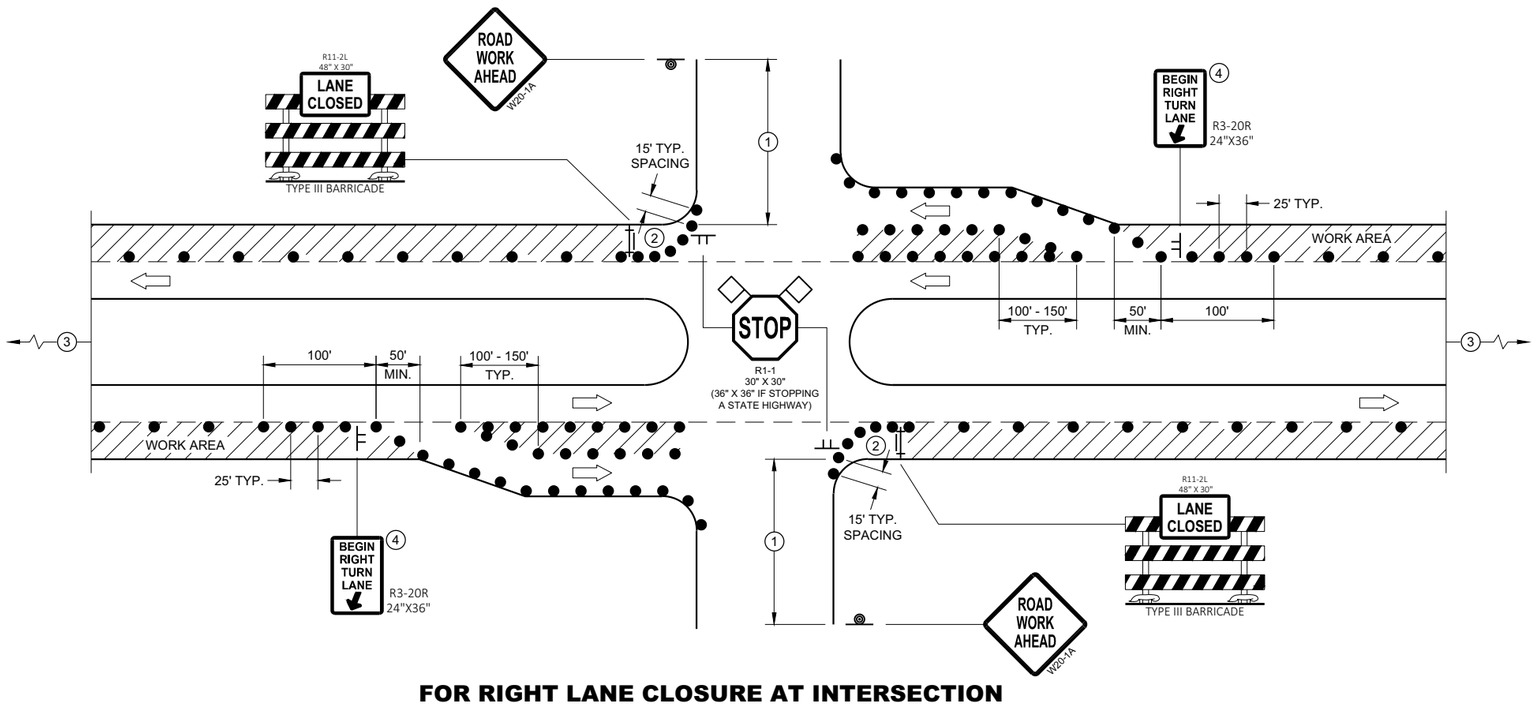
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SDD15D20 - 05a



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

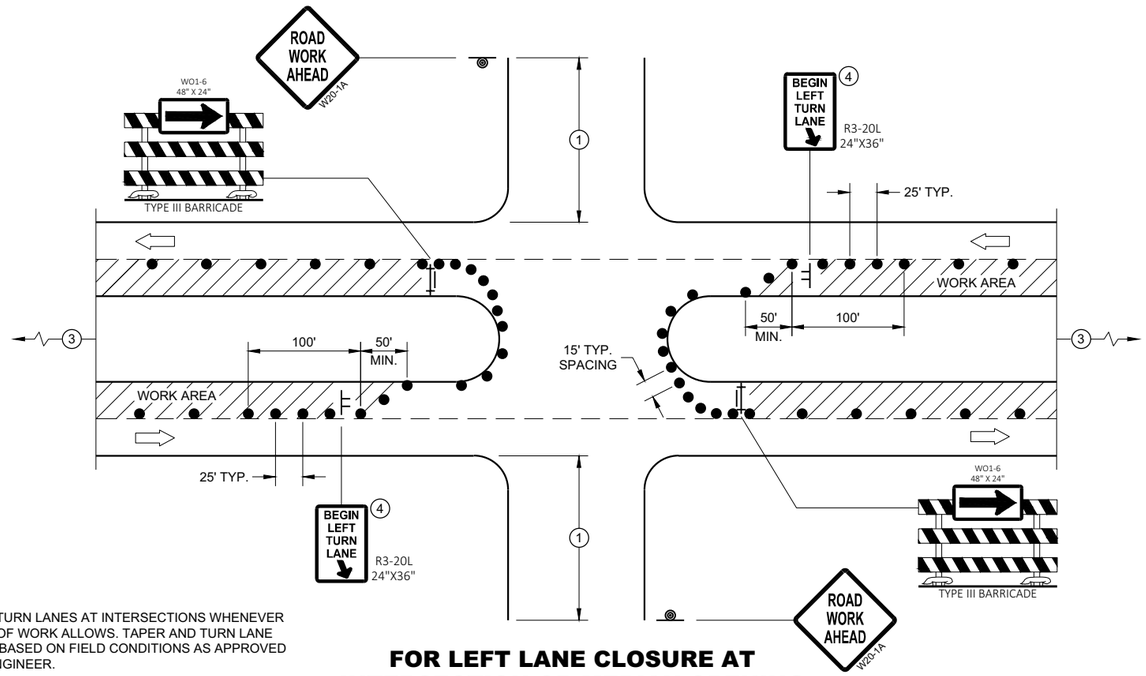
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a
SDD15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

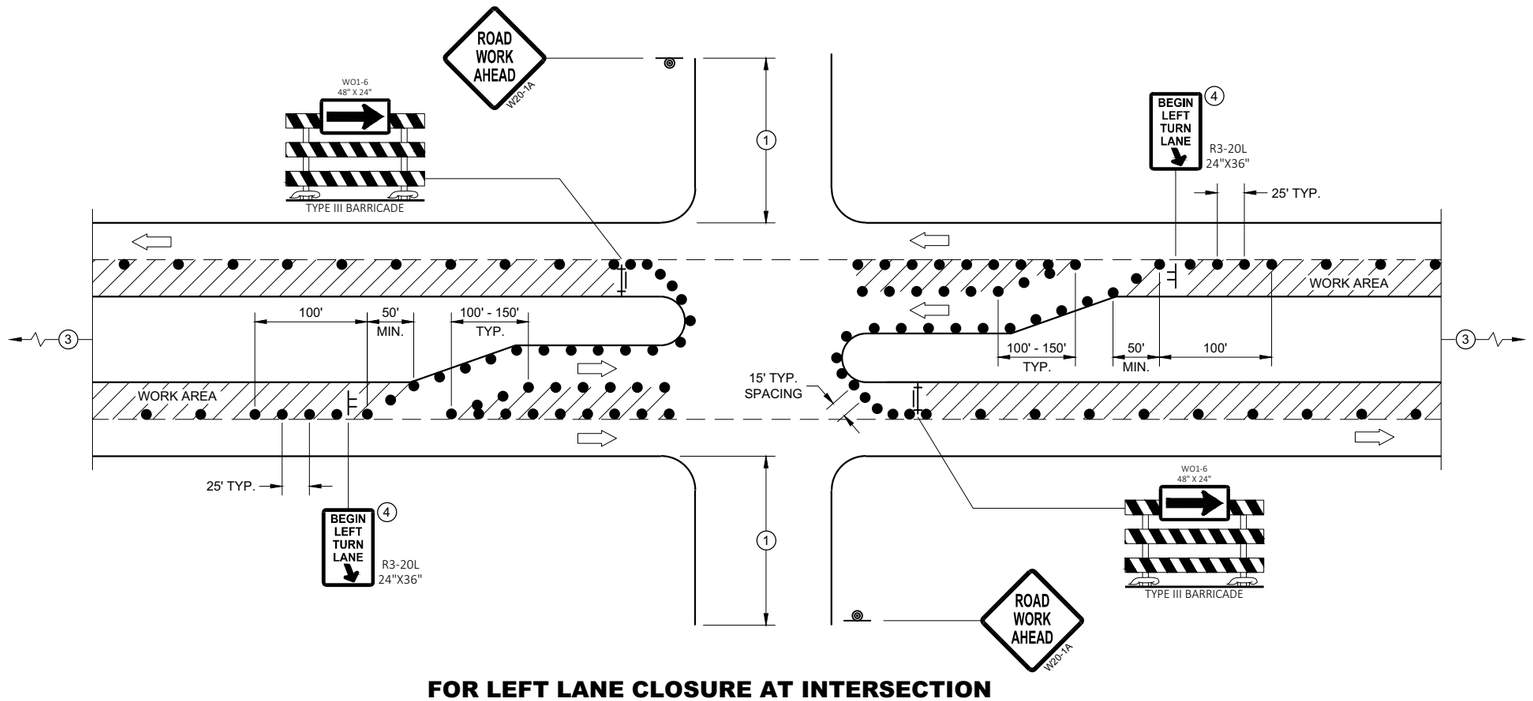
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

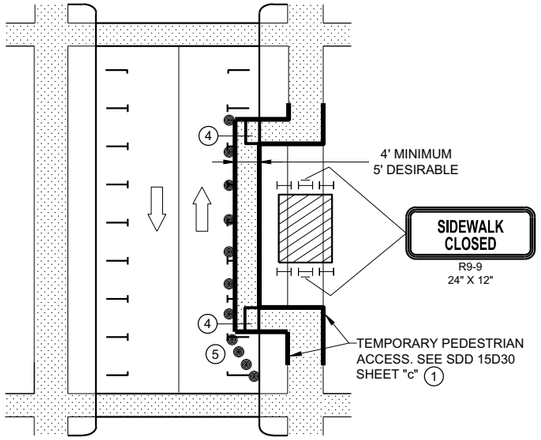
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SDD 15D21 - 07b

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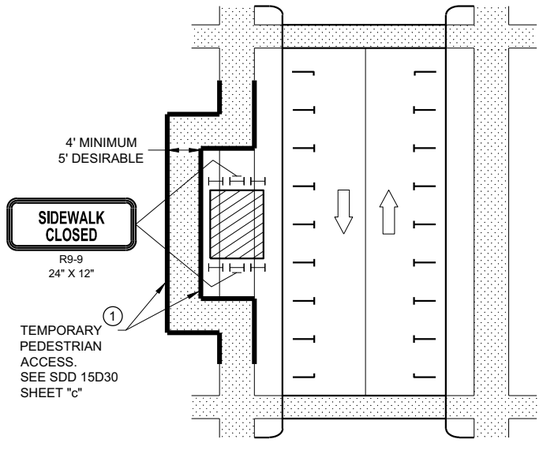
SDD 15D21 - 07b

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

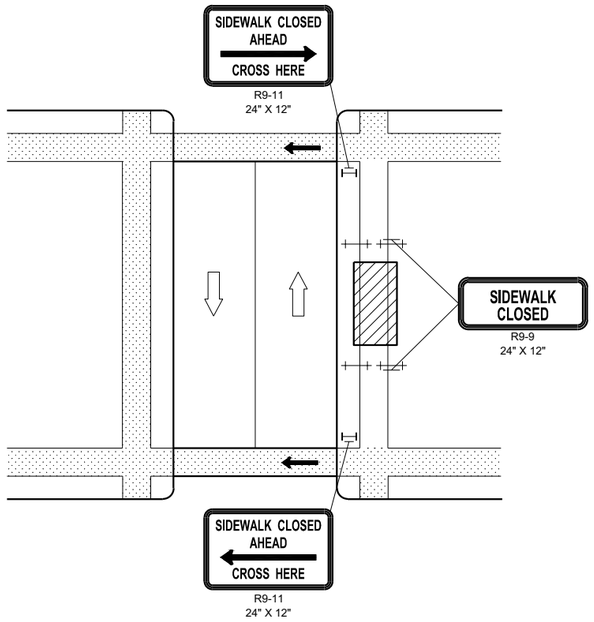


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

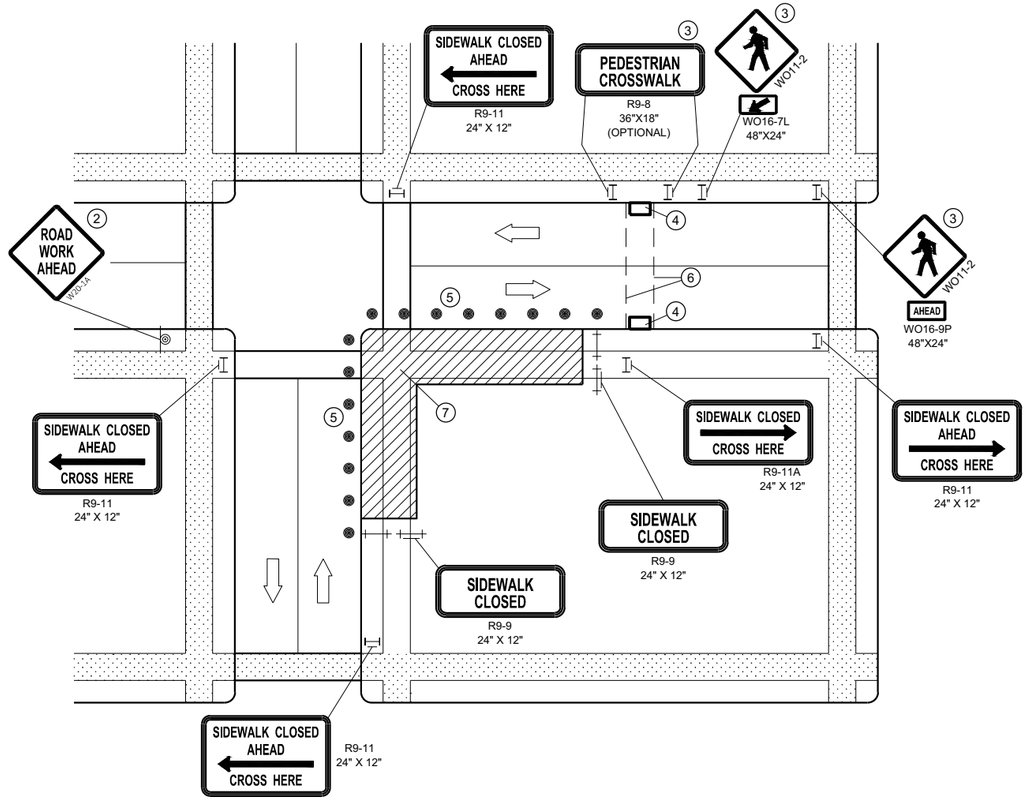
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN, EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

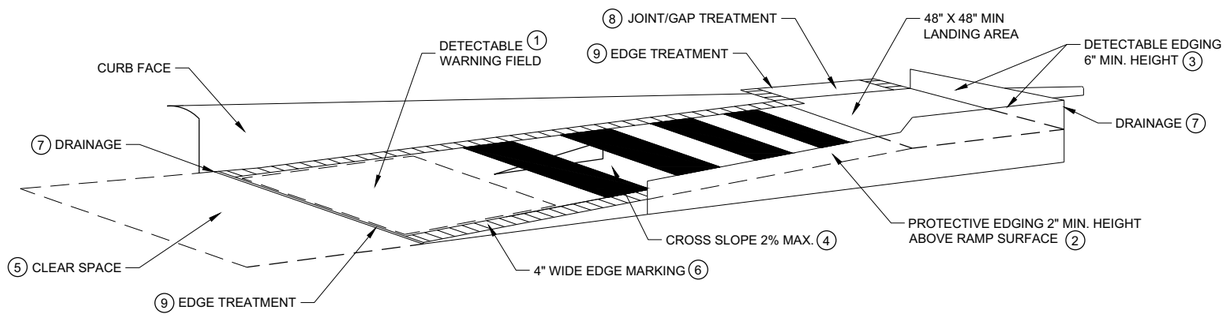
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

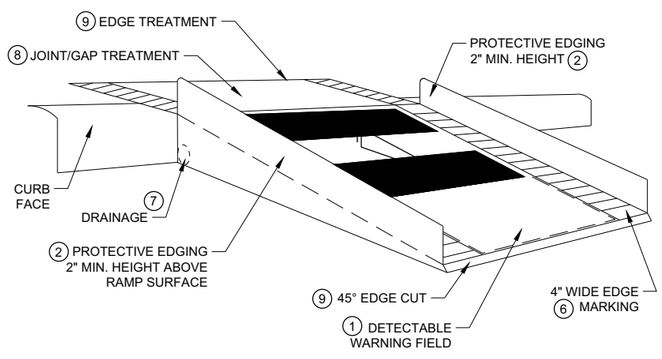
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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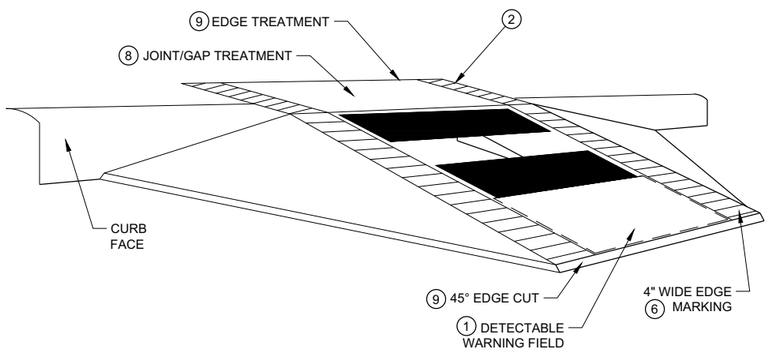
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

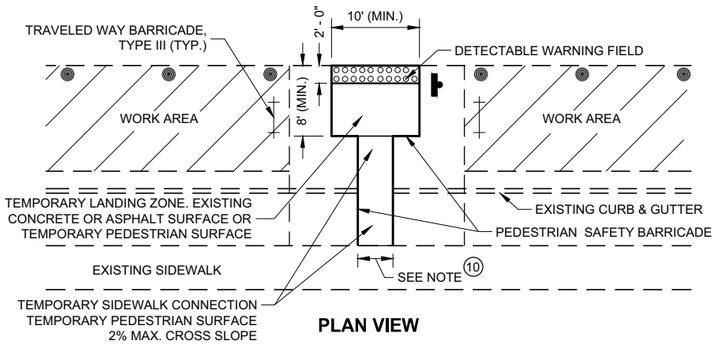
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

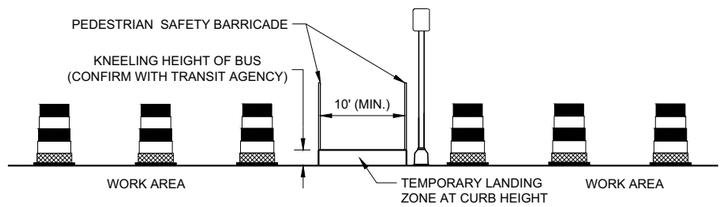
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

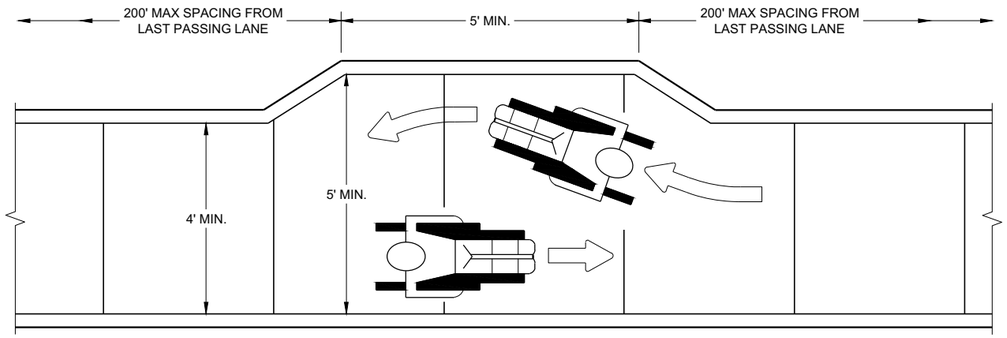
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

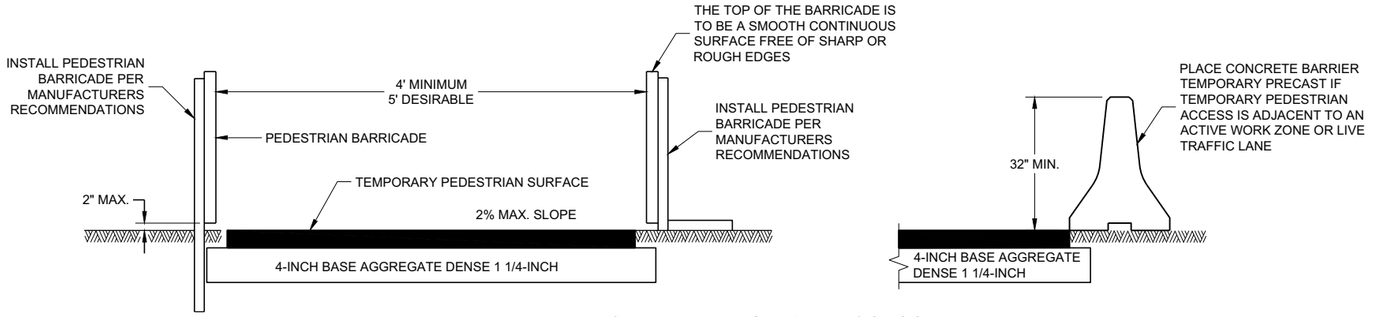
SDD 15D30 - 06b

6

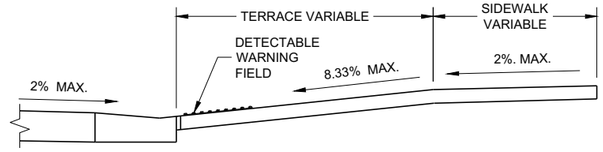
SDD 15D30 - 06b



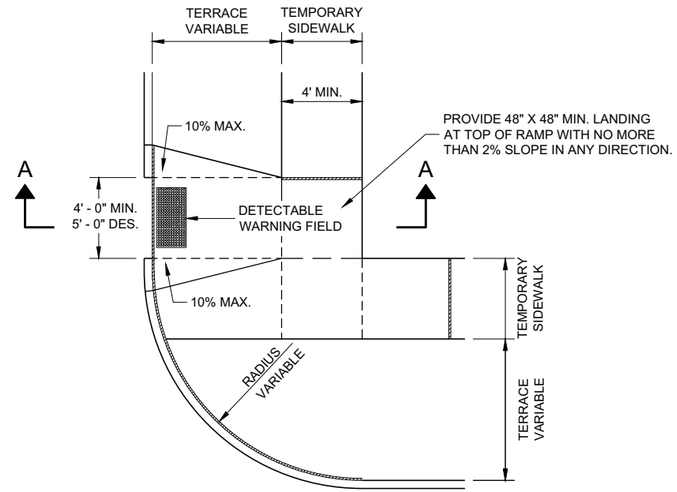
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



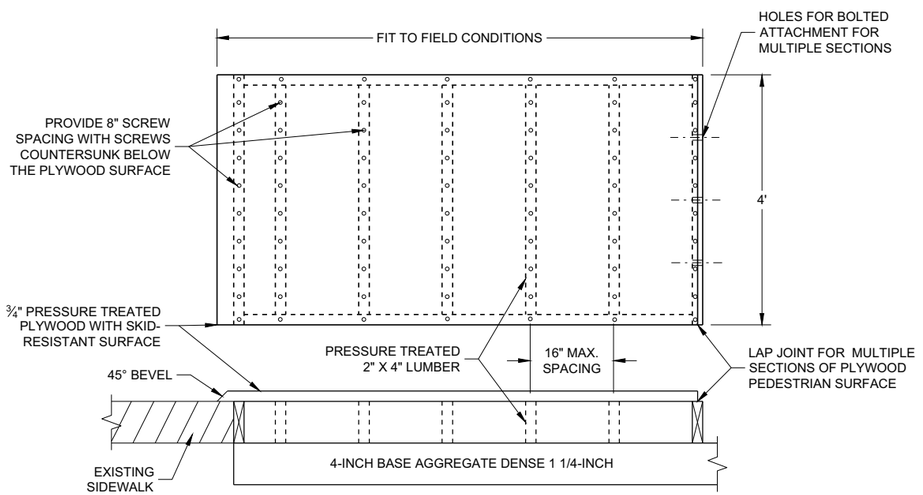
SECTION A - A



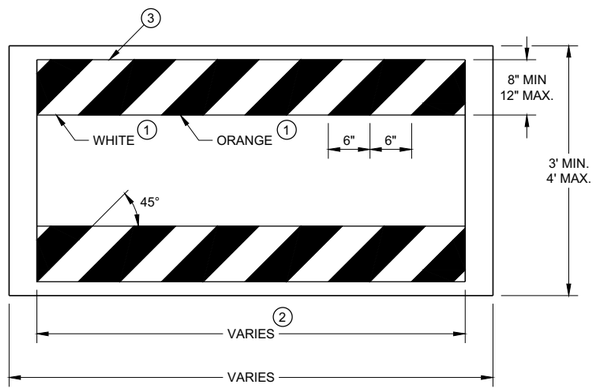
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 511

FHWA

SDD 15D30 - 06c

6

SDD 15D30 - 06c

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

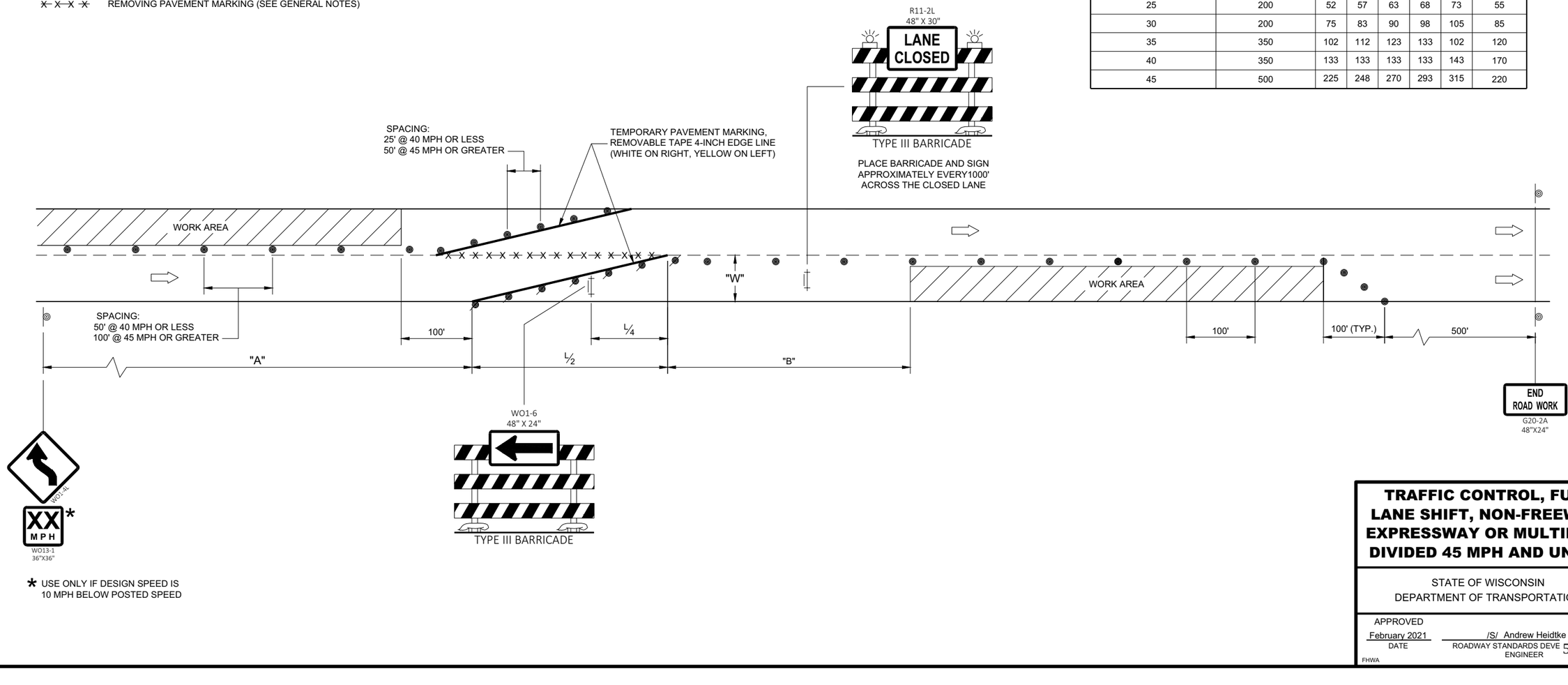
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	102	120
40	350	133	133	133	133	143	170
45	500	225	248	270	293	315	220



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D40 - 02a

6

SDD 15D40 - 02a

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

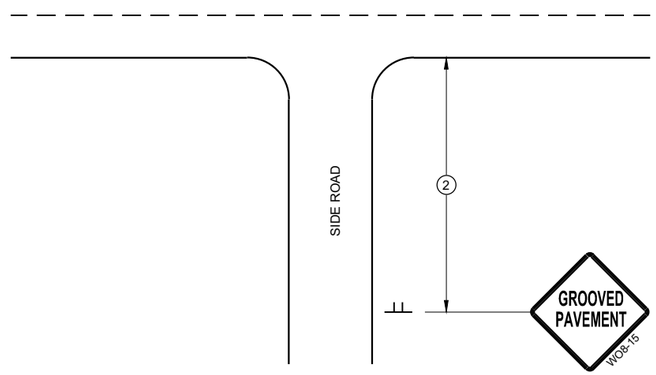
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

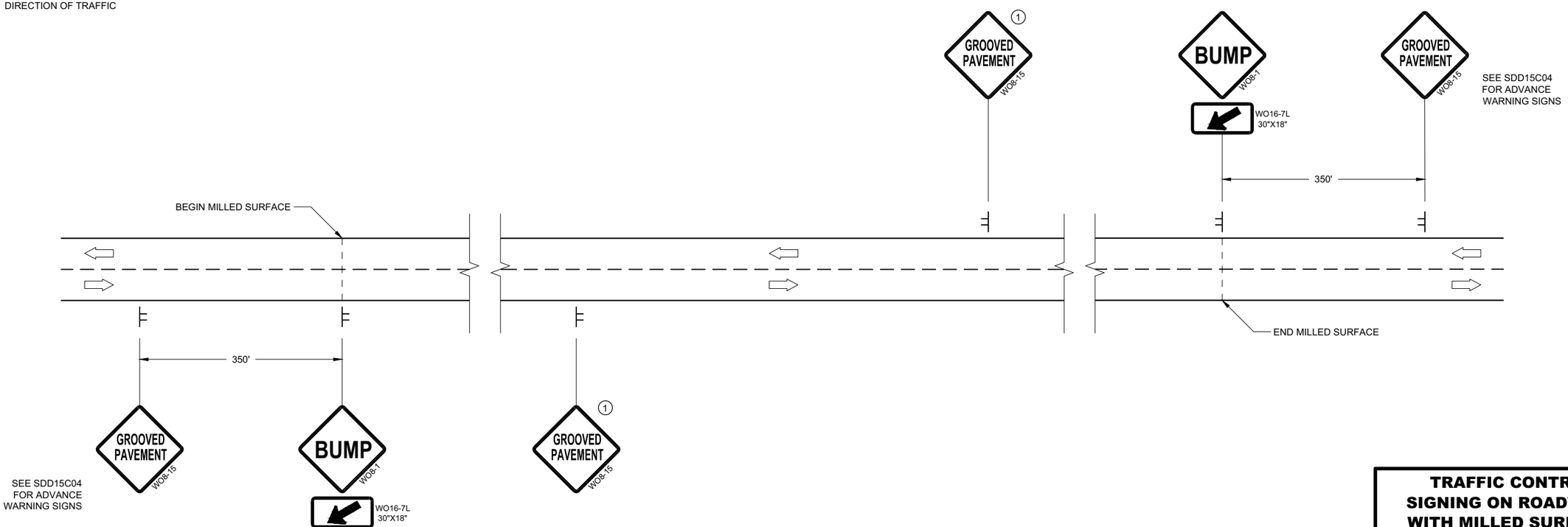
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

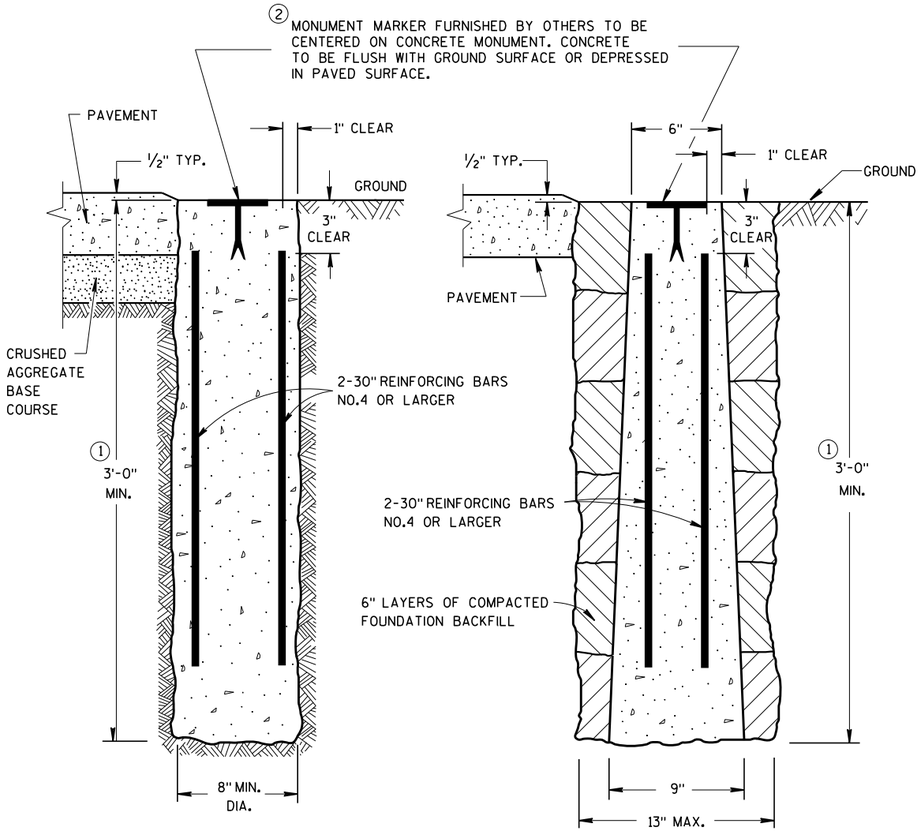
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D44 - 02

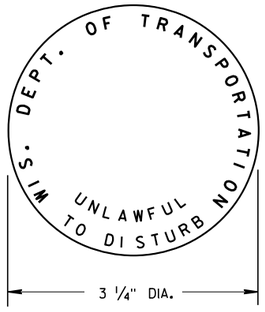


CAST-IN-PLACE

PRECAST

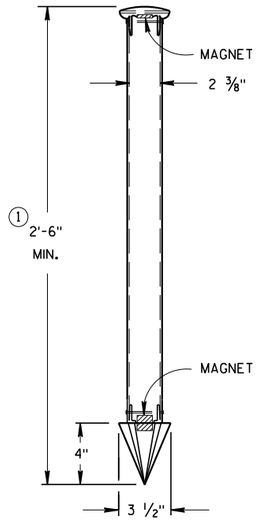
CONCRETE MONUMENTS

TYPE A



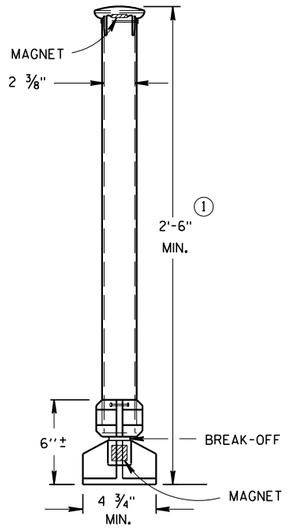
② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C", & "D"



TYPE C

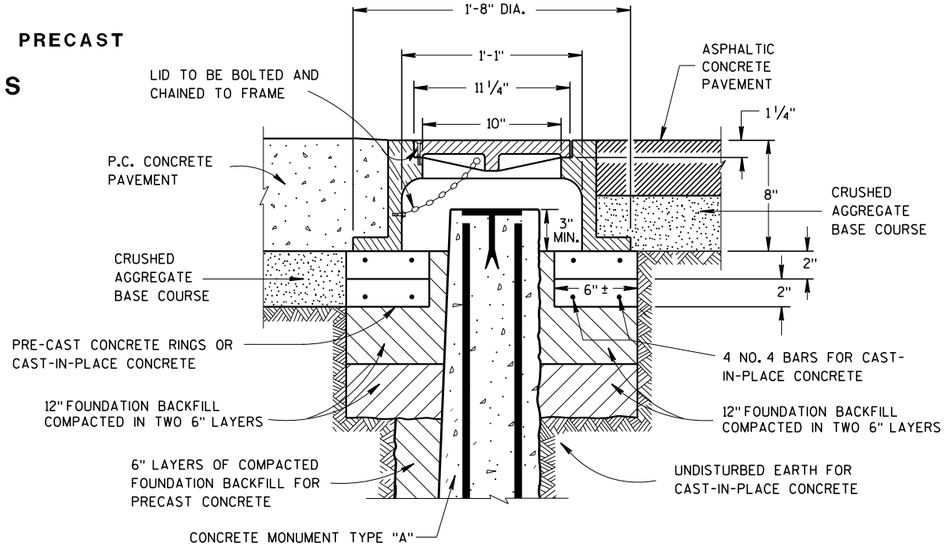
DRIVE-IN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT 95 LBS)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

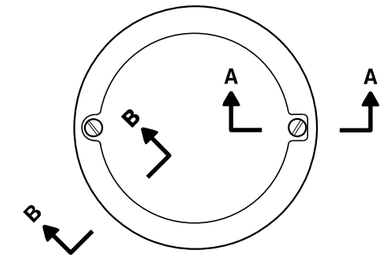
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

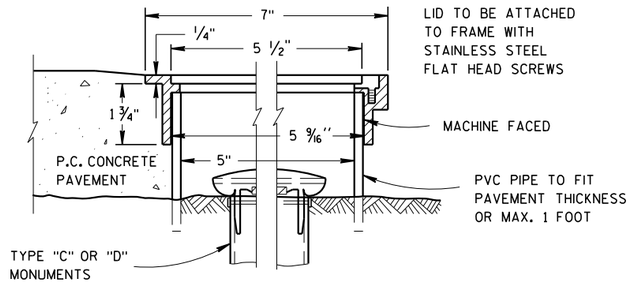
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

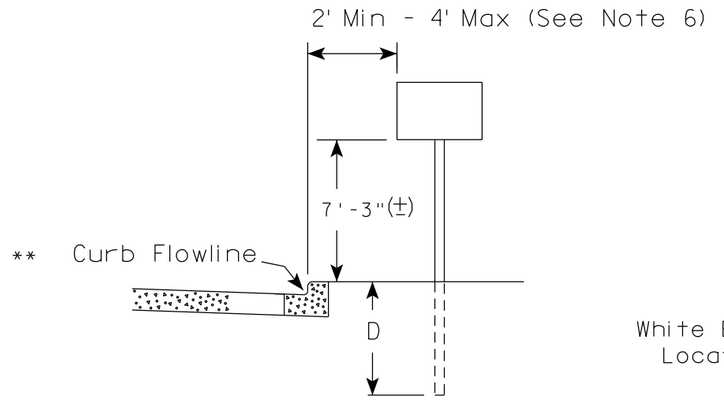
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Raymond A. Kumagai — CHIEF SURVEYING AND MAPPING ENGINEER
FHWA

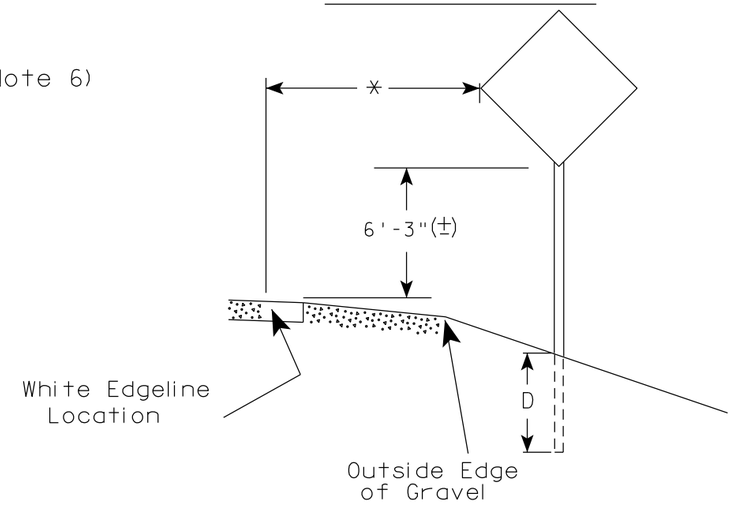
6

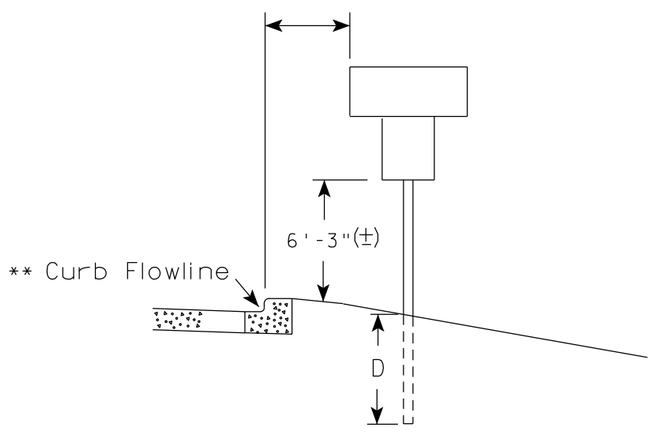
S.D.D. 16 A 1-7

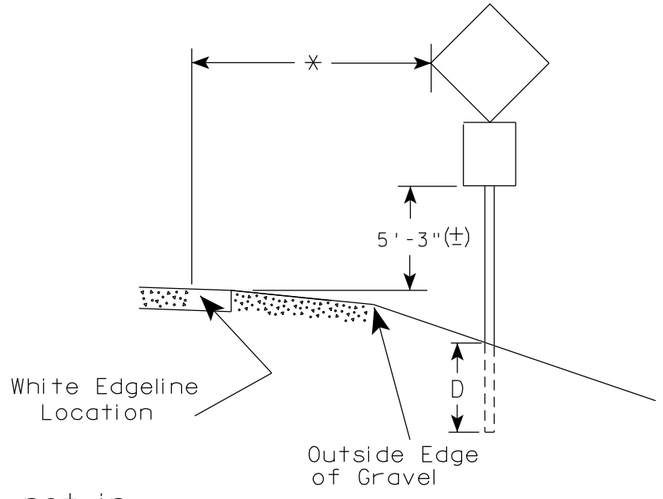
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

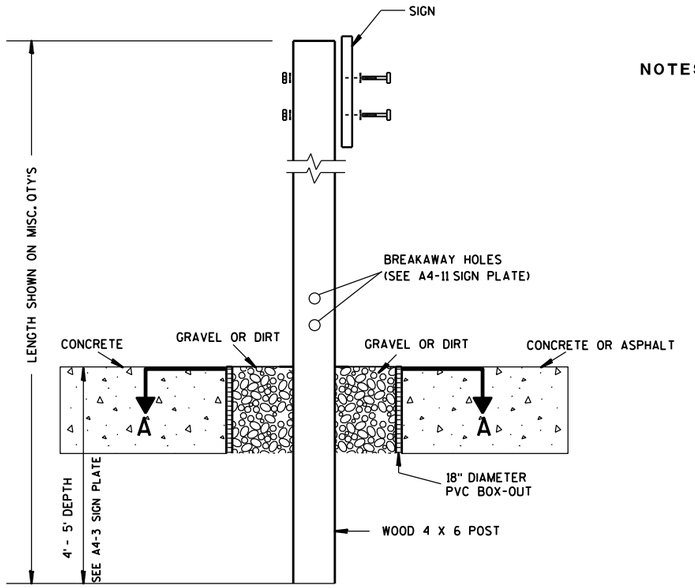
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

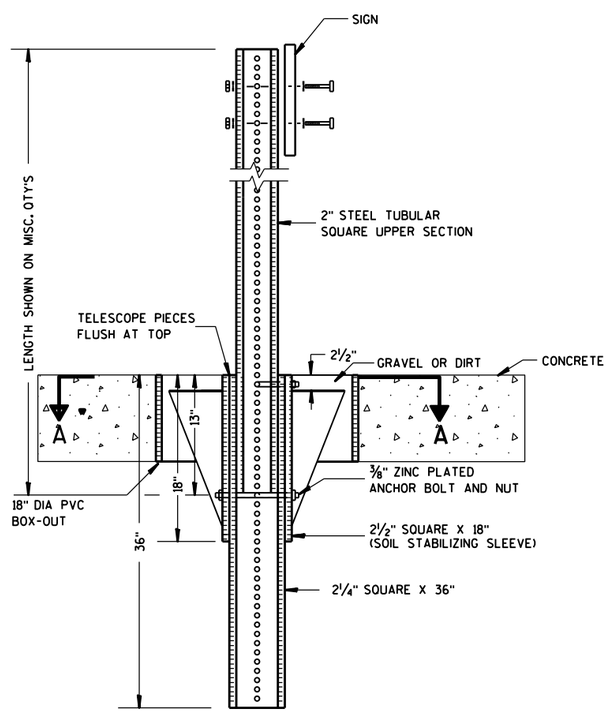
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 515	E



ELEVATION VIEW

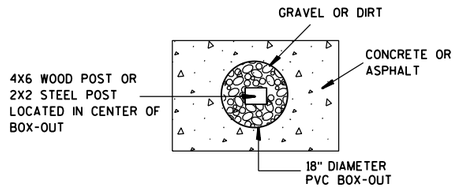
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

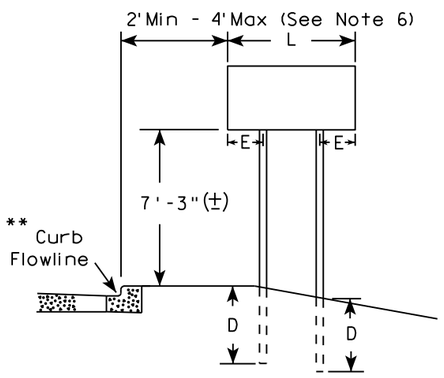
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

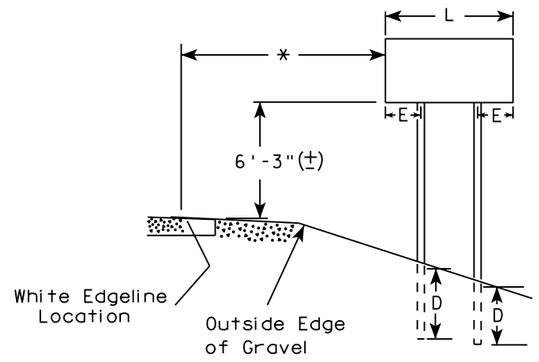
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

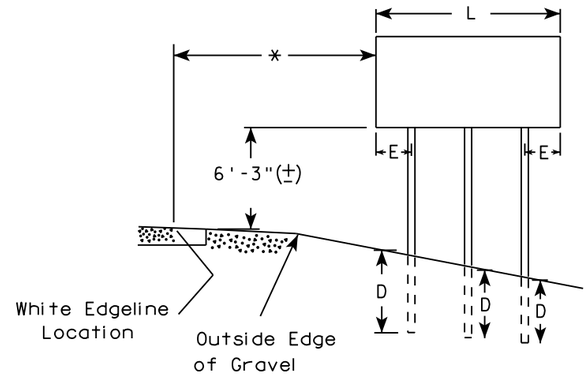
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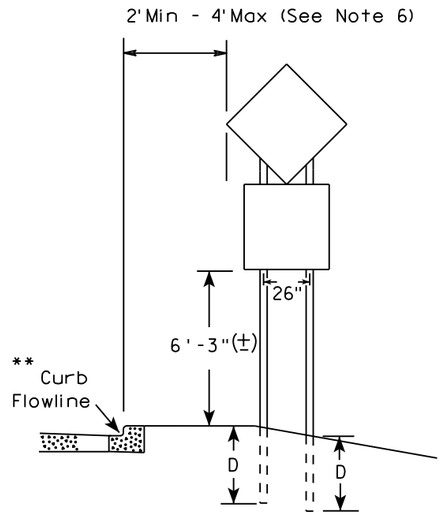
URBAN AREA



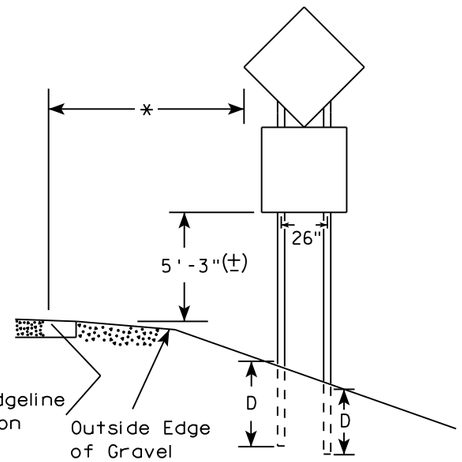
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

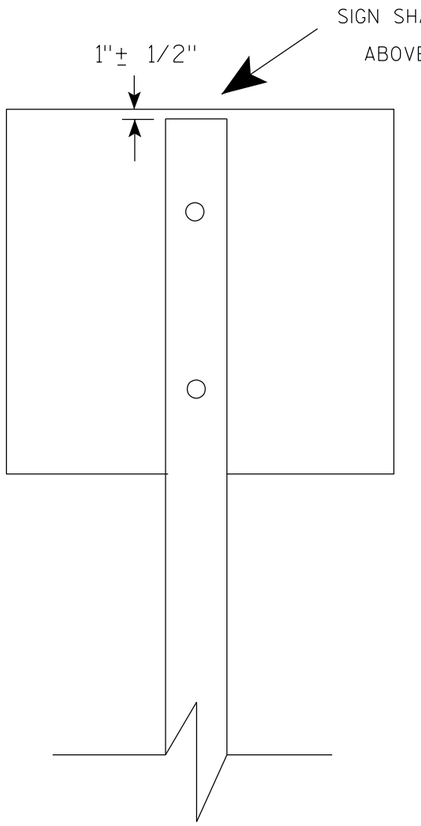
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

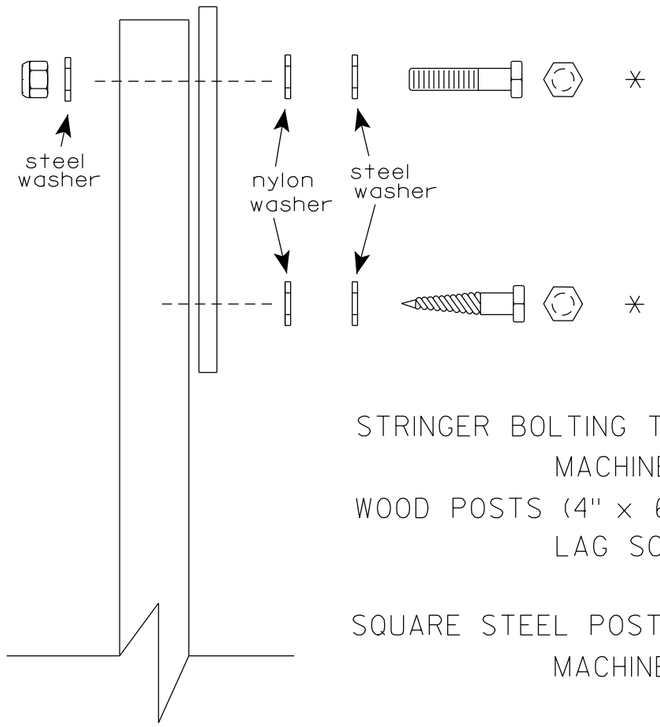
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 517	E





Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

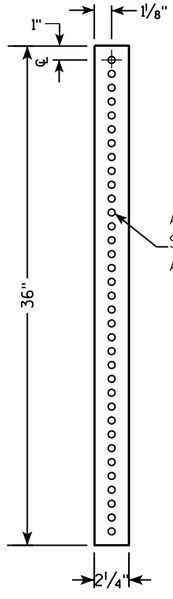
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

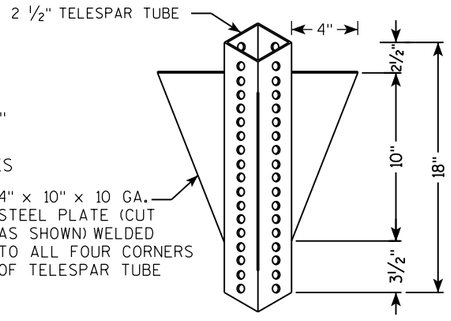
SHEET NO: 518 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

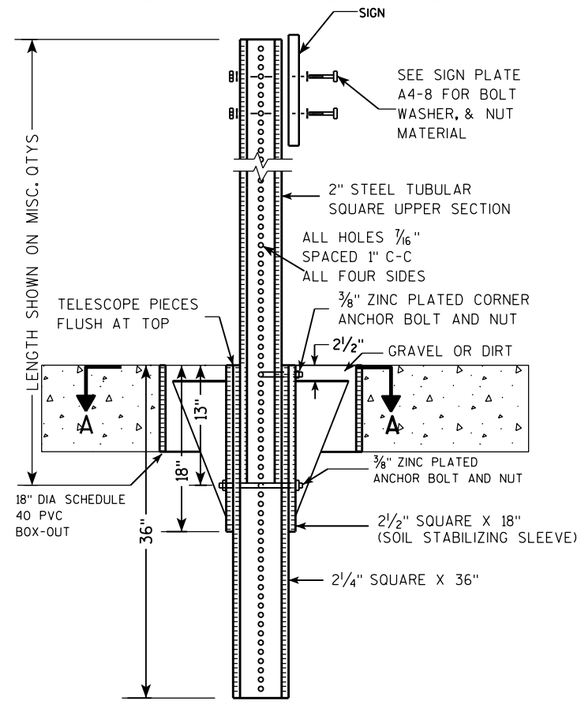
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



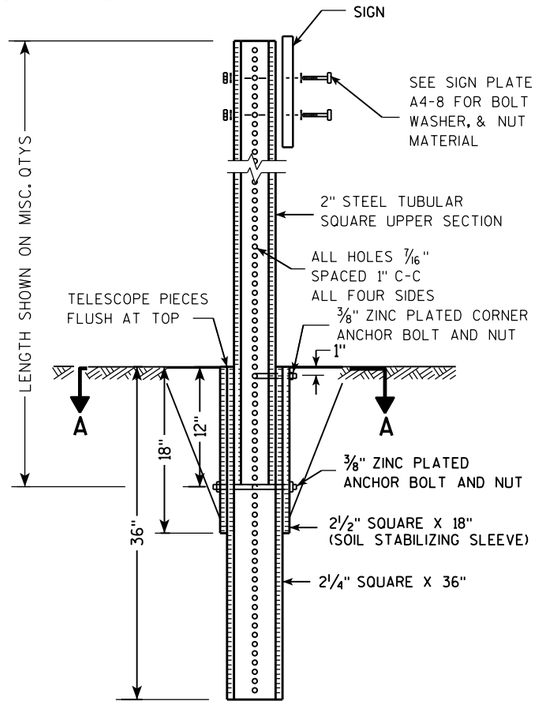
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

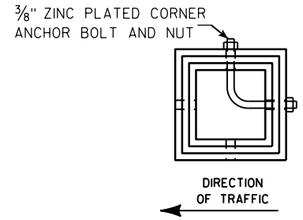


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

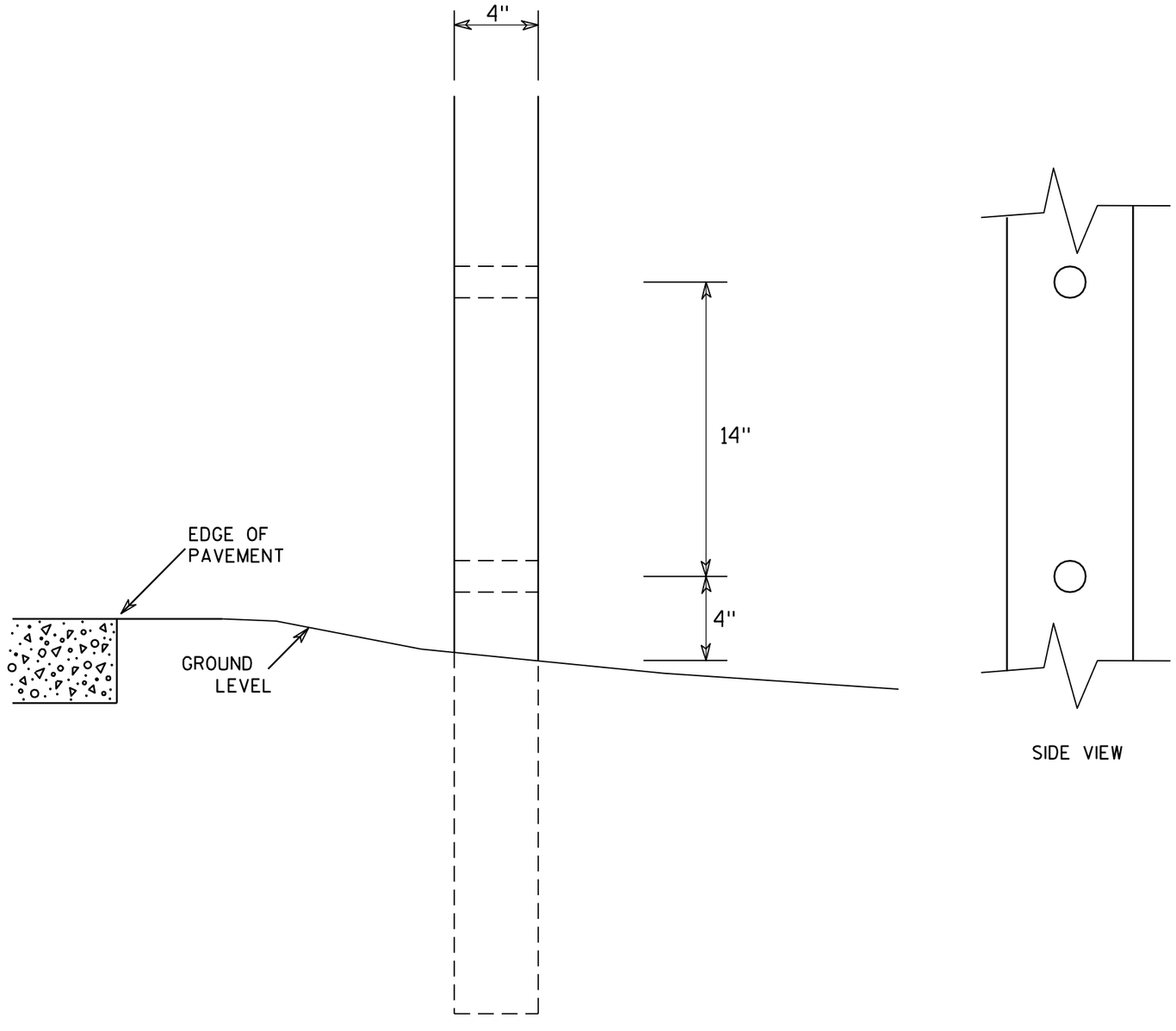
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 519 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

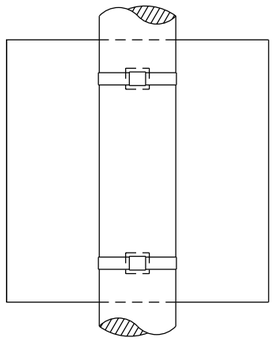
APPROVED Chester J Spang for State Traffic Engineer

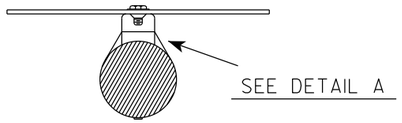
DATE 3/27/97 PLATE NO. A4-11.2

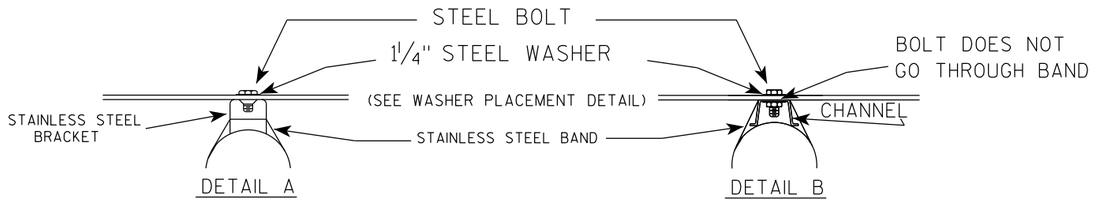
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 520	E

BANDING

SINGLE SIGN



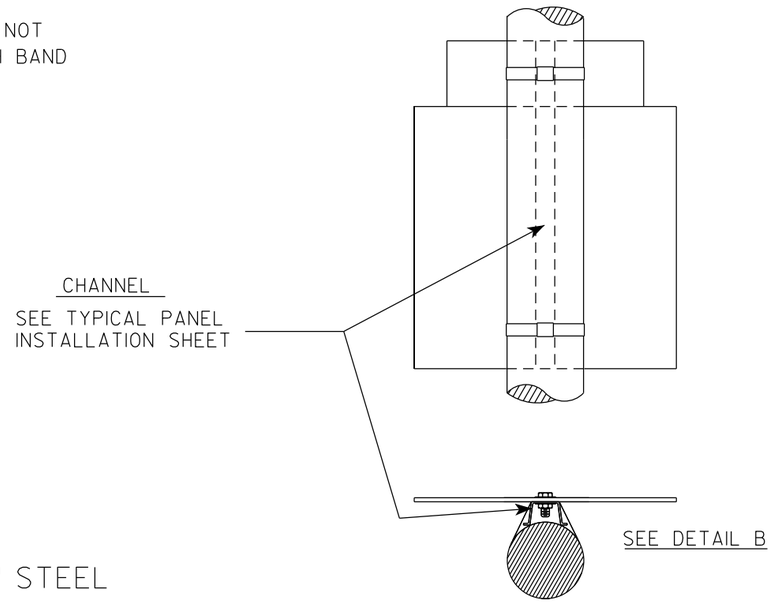




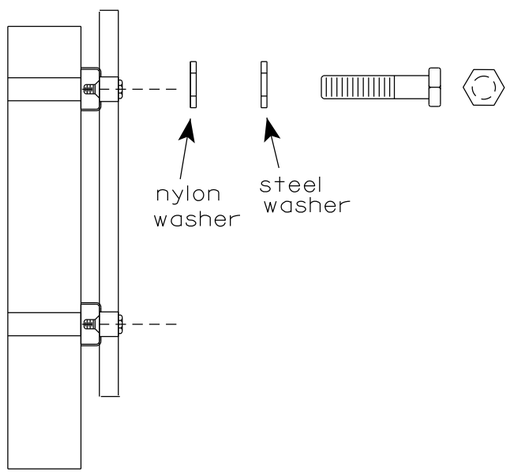
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

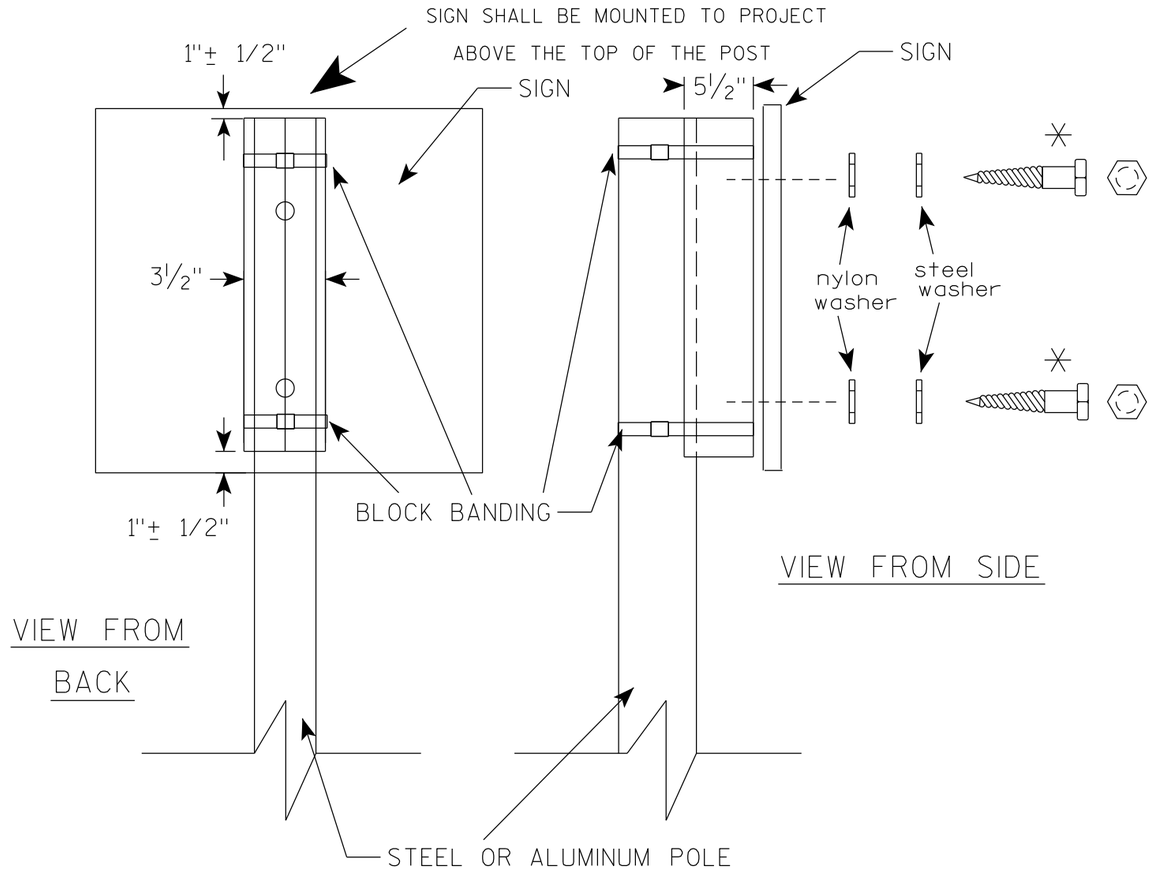
WISCONSIN DEPT OF TRANSPORTATION

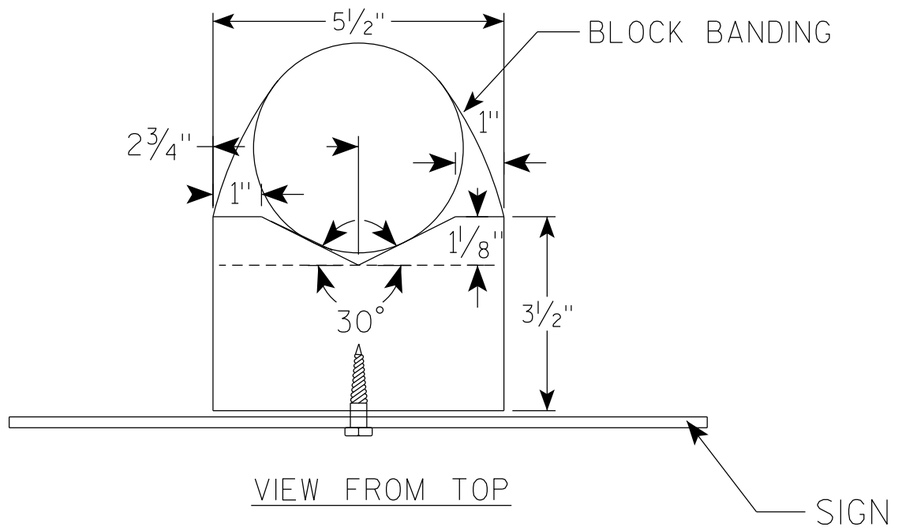
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 521	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

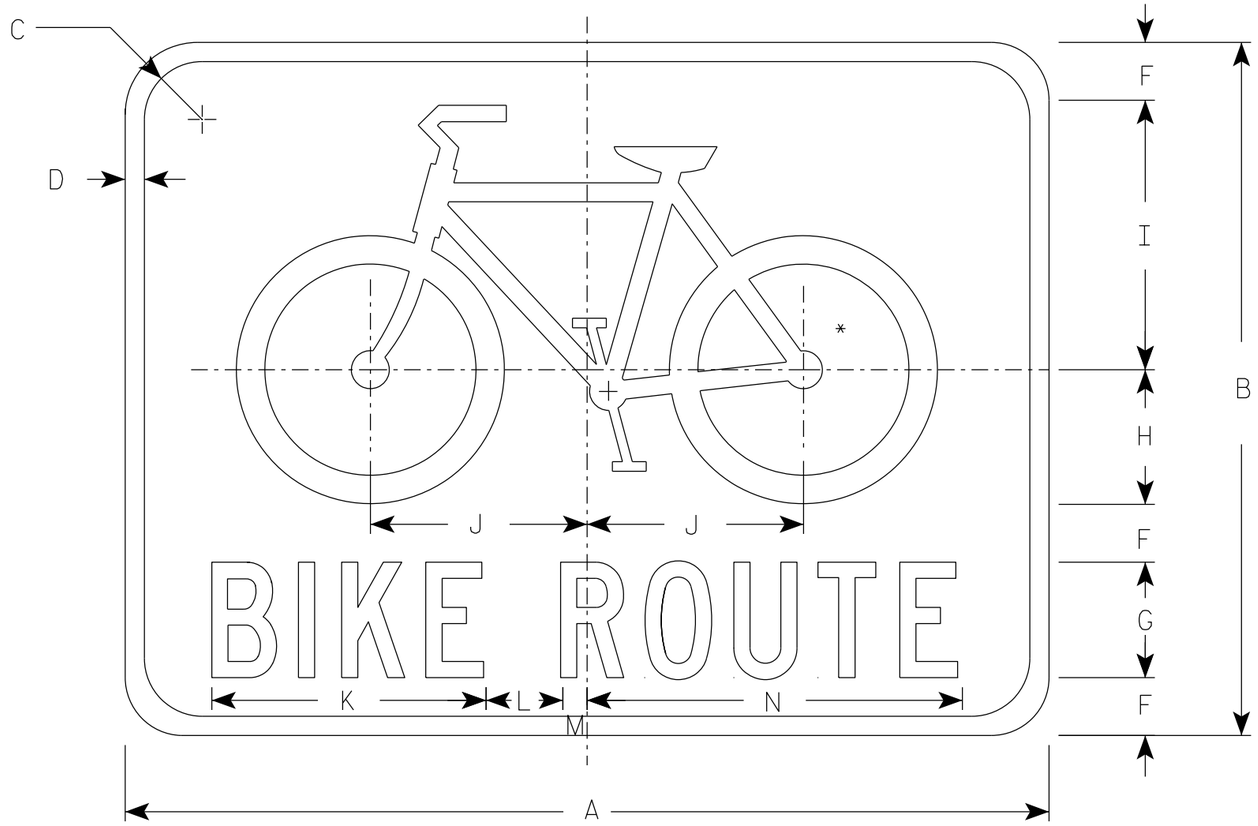
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO:				SHEET NO: 522	E



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - C

* See W11-1 for symbol design

D11-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
2M	24	18	1 1/2	1/2		1 1/2	3	3 1/2	7	5 5/8	7 1/8	2	5/8	9 3/4													3.0
3	30	24	1 1/4	5/8		2	4	4 3/4	9 1/4	7 1/2	9 1/2	2 5/8	7/8	13													5.0
4																											
5																											

STANDARD SIGN

D11-1

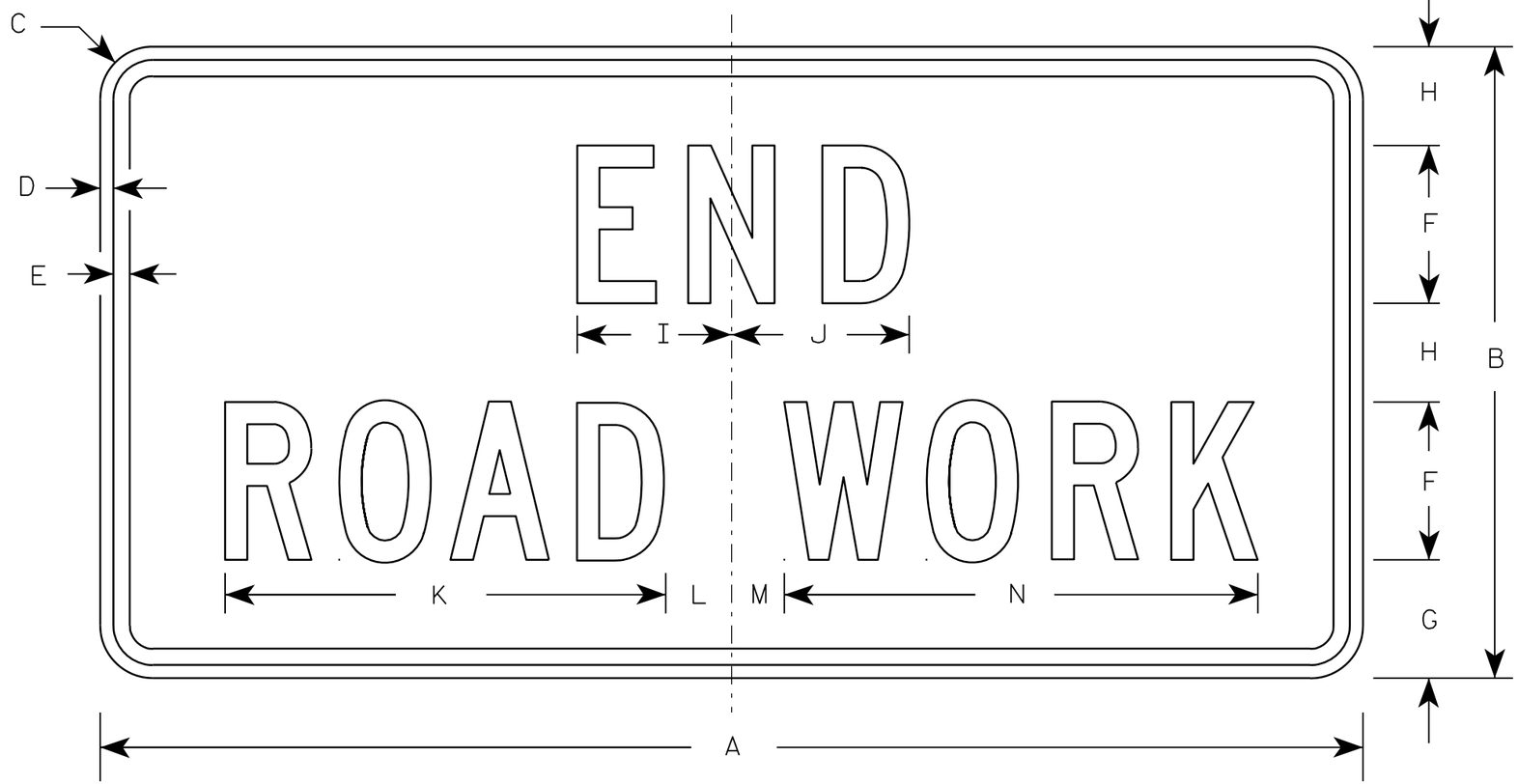
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. D11-1.2

PROJECT NO:

SHEET NO: 523 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

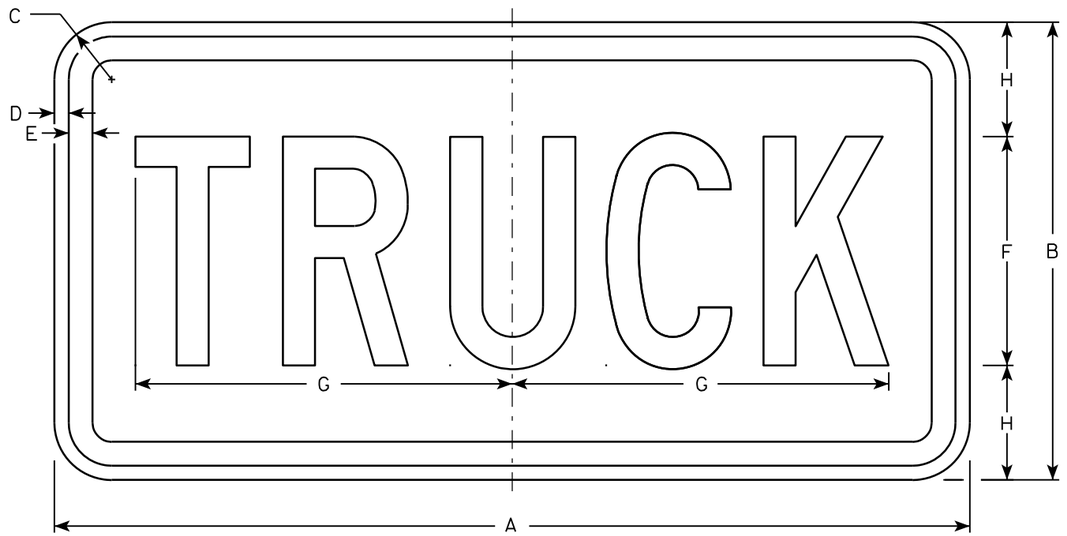
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 524	E



M4-4

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - See Note 5
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Permanent Signs
   Background - Type H Reflective
   Temporary or other temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	9 7/8	3																			2.0
3	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5
4																											
5																											

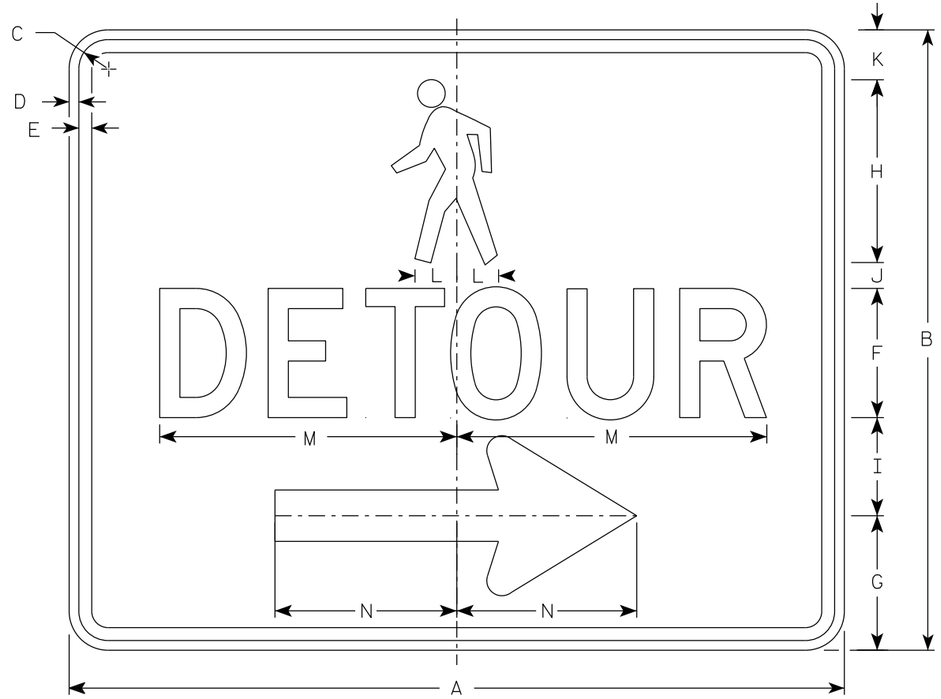
STANDARD SIGN
M4-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-4.3

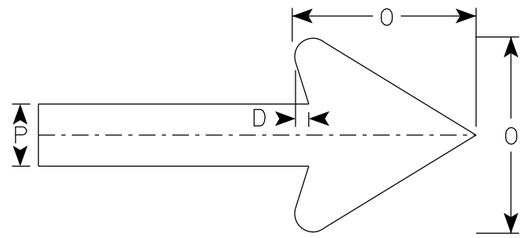
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 525 | E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

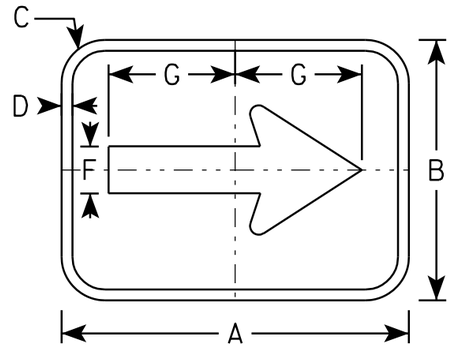
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

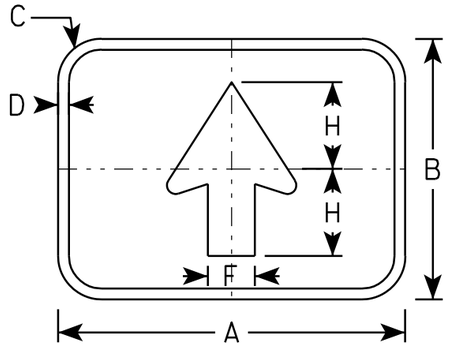
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

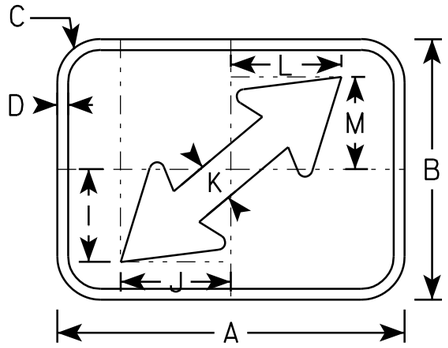
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 526 | E



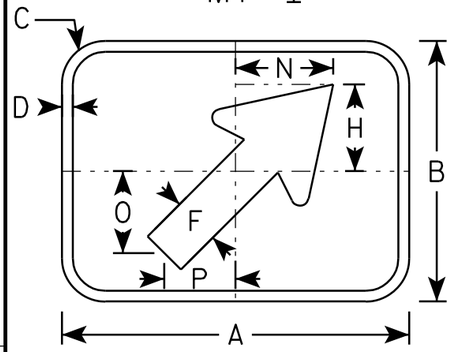
M7-1



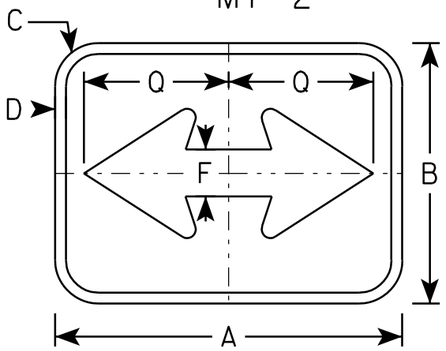
M7-2



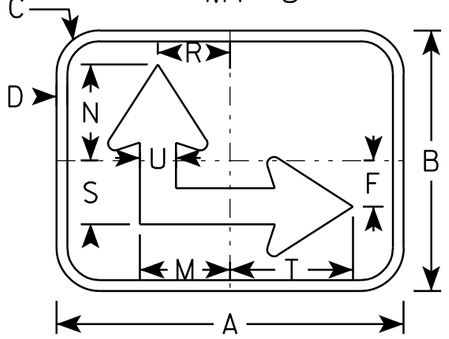
M7-3



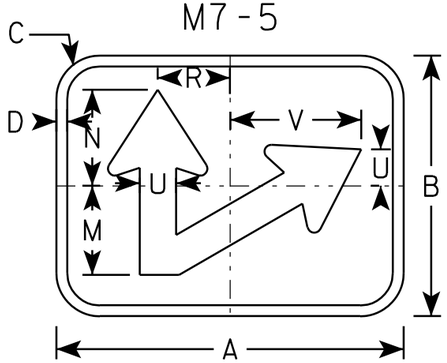
M7-4



M7-5



M7-6



M7-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message -White
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	12	9	1 1/2	3/8		1 5/8	4 3/8	3	3 1/4	3 3/4	1 3/8	3 7/8	3 1/8	3 3/8	2 7/8	2 1/2	5	2 1/2	2 1/4	4 1/4	1 1/4	4 1/2					.75
3																											
4																											
5																											

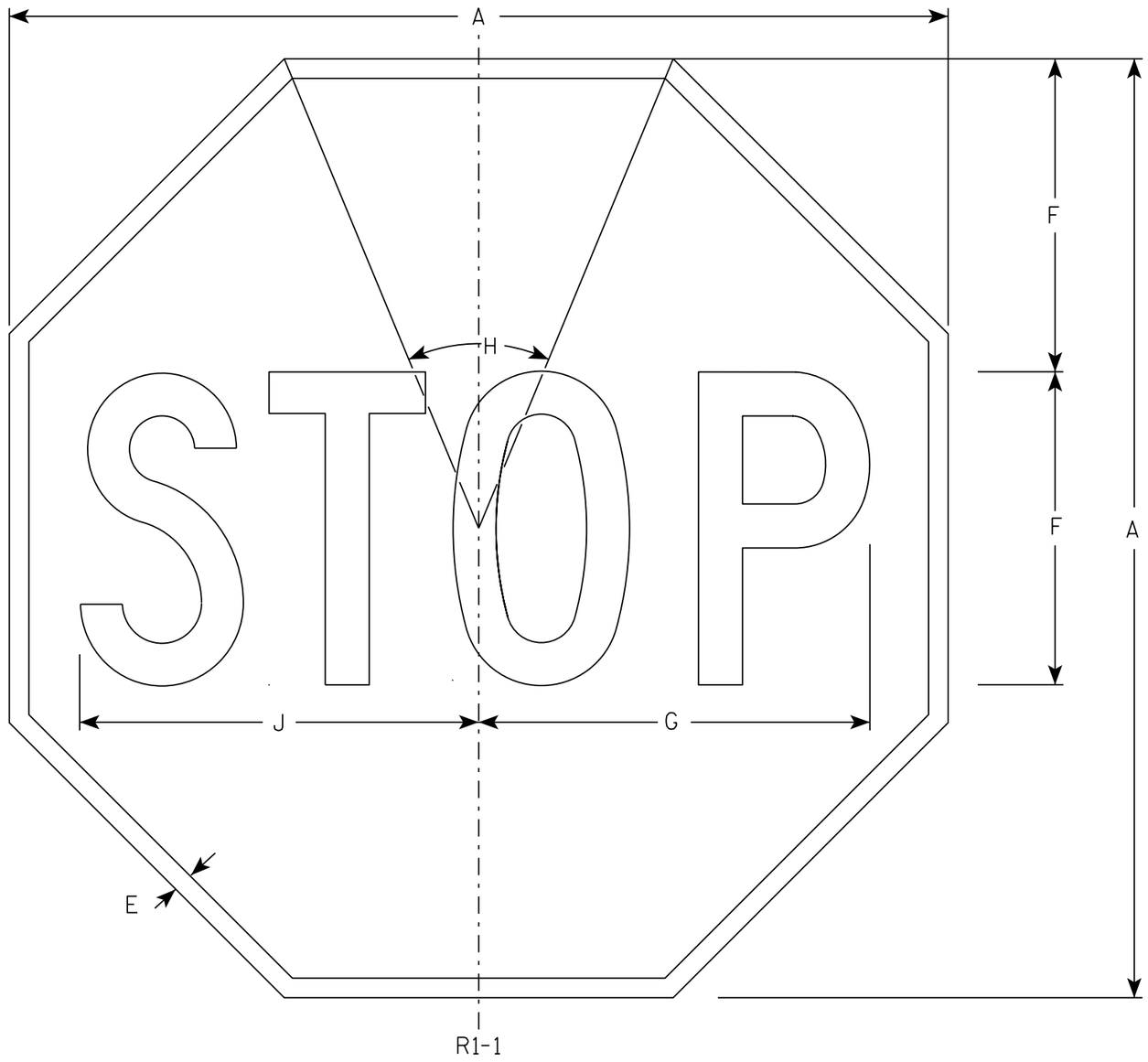
STANDARD SIGN
M7 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 05/04/10 PLATE NO. M7-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 527	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

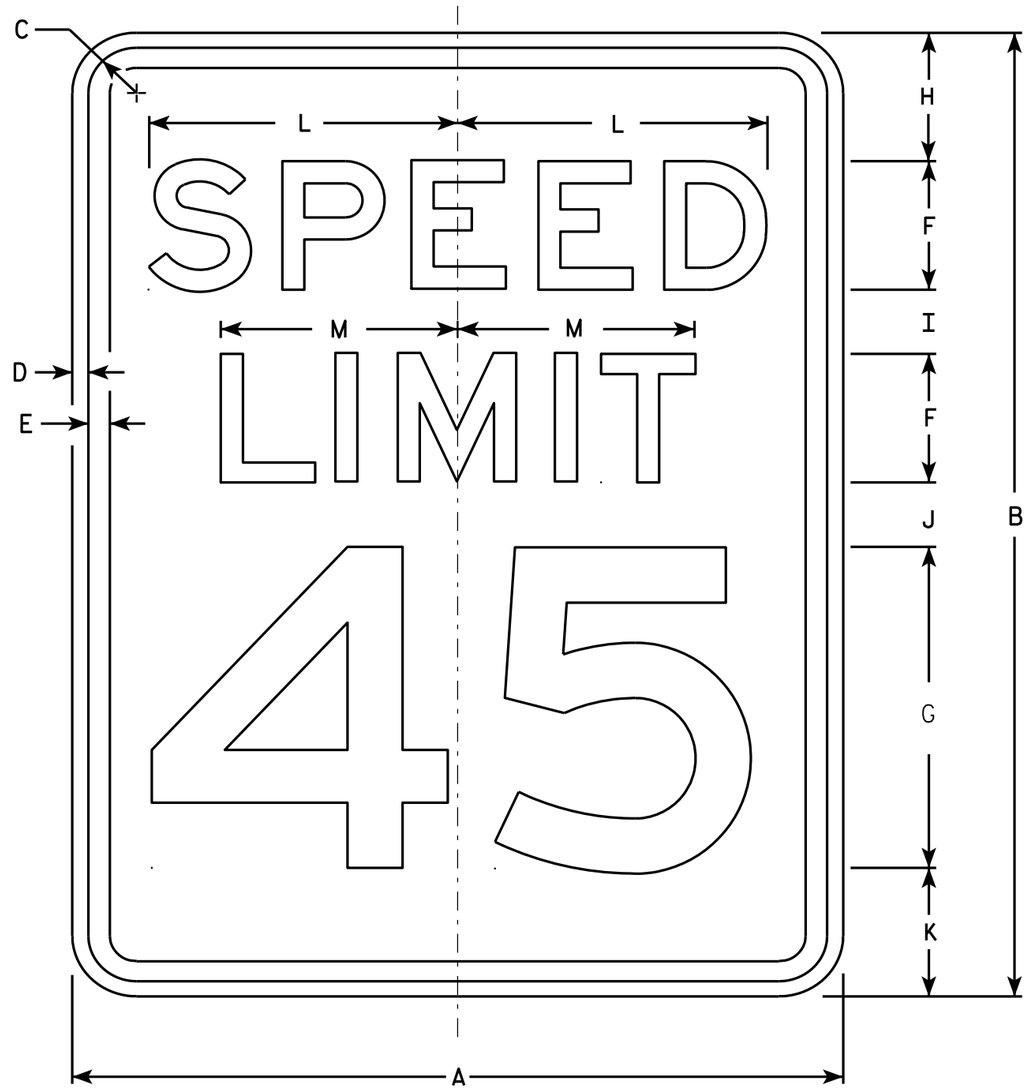
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 528	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

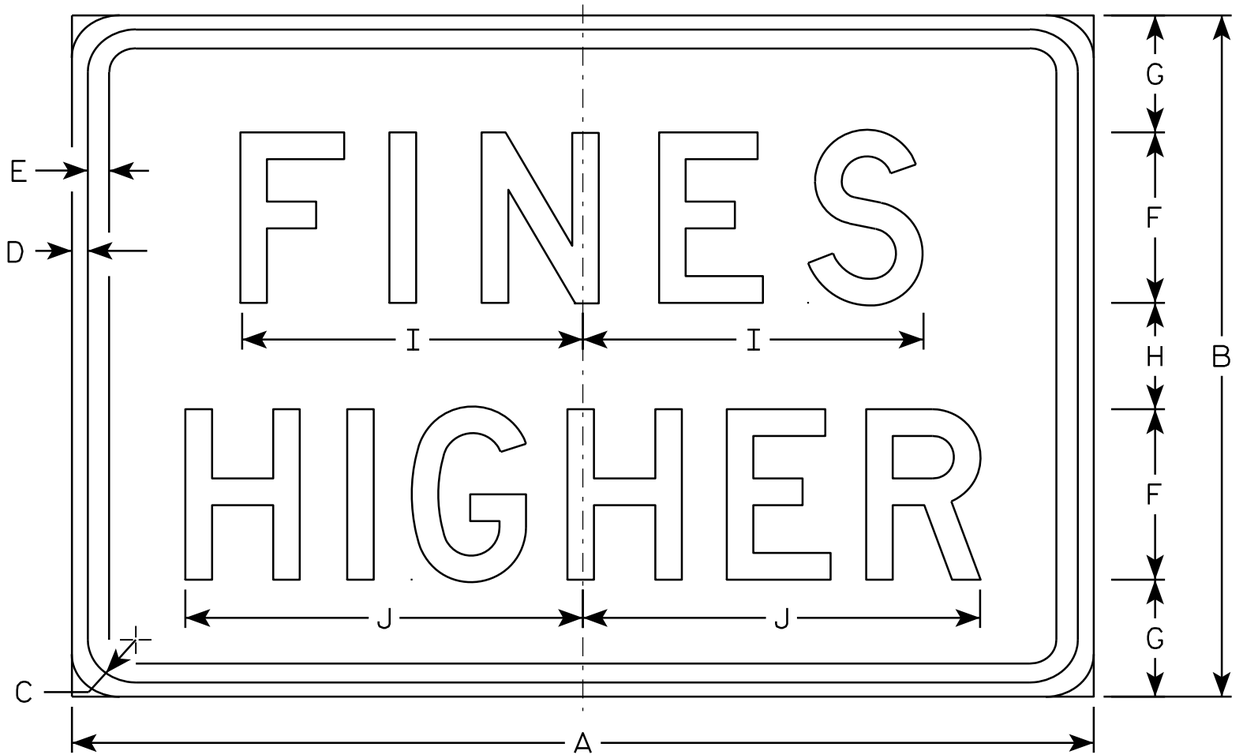
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 529 | E



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

STANDARD SIGN
R2-6P

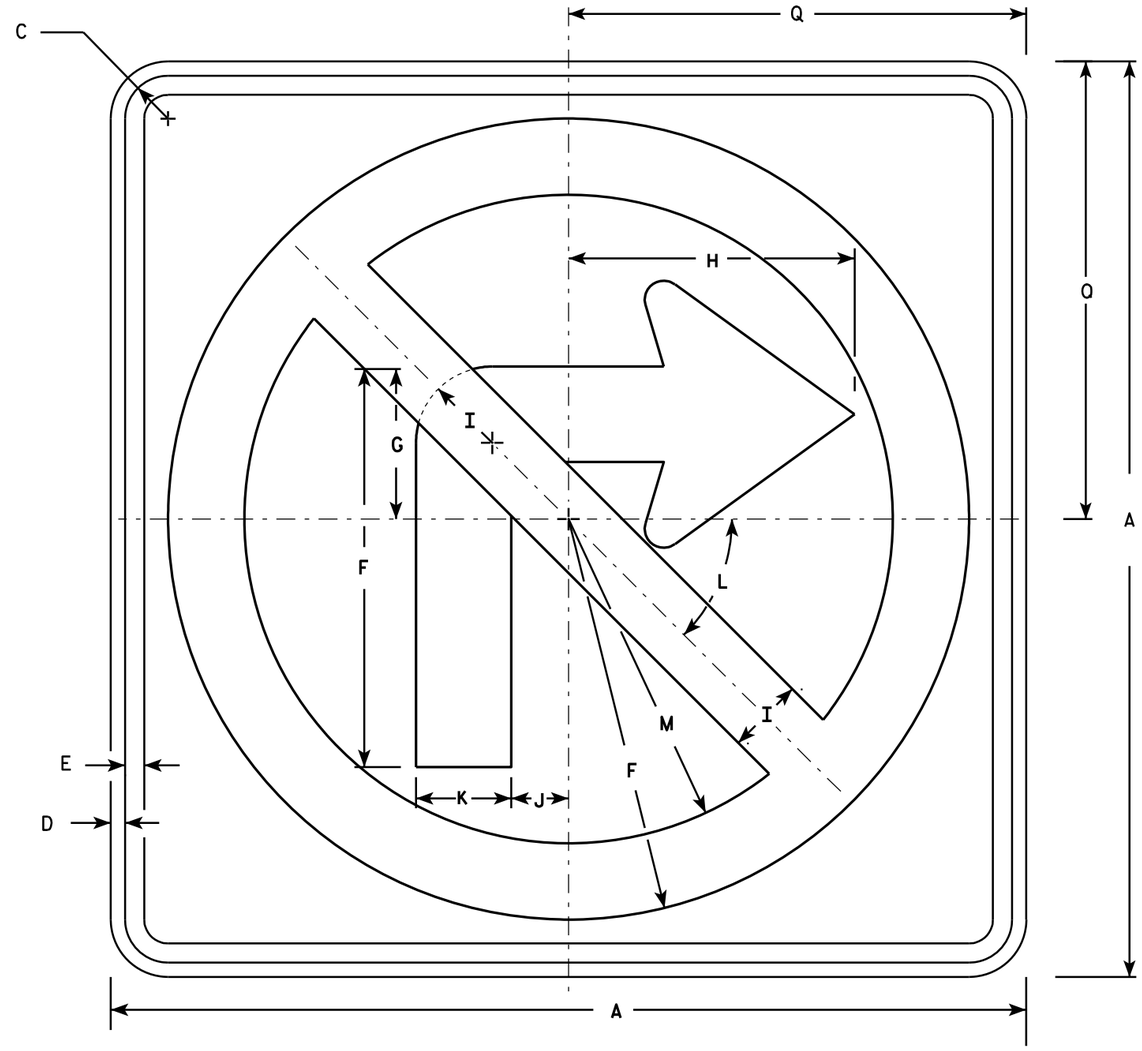
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 530 | E

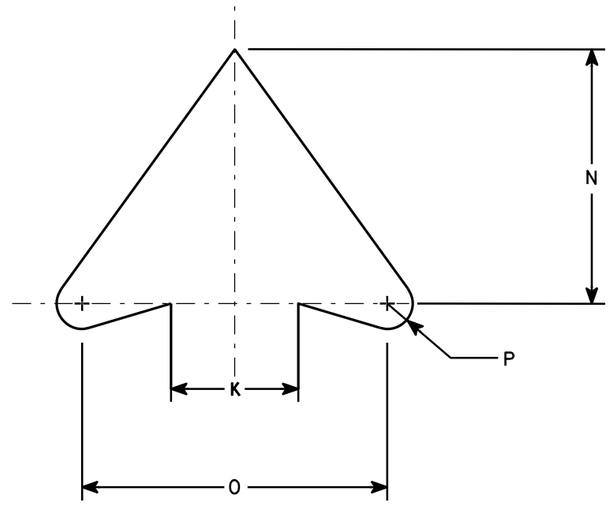
7



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

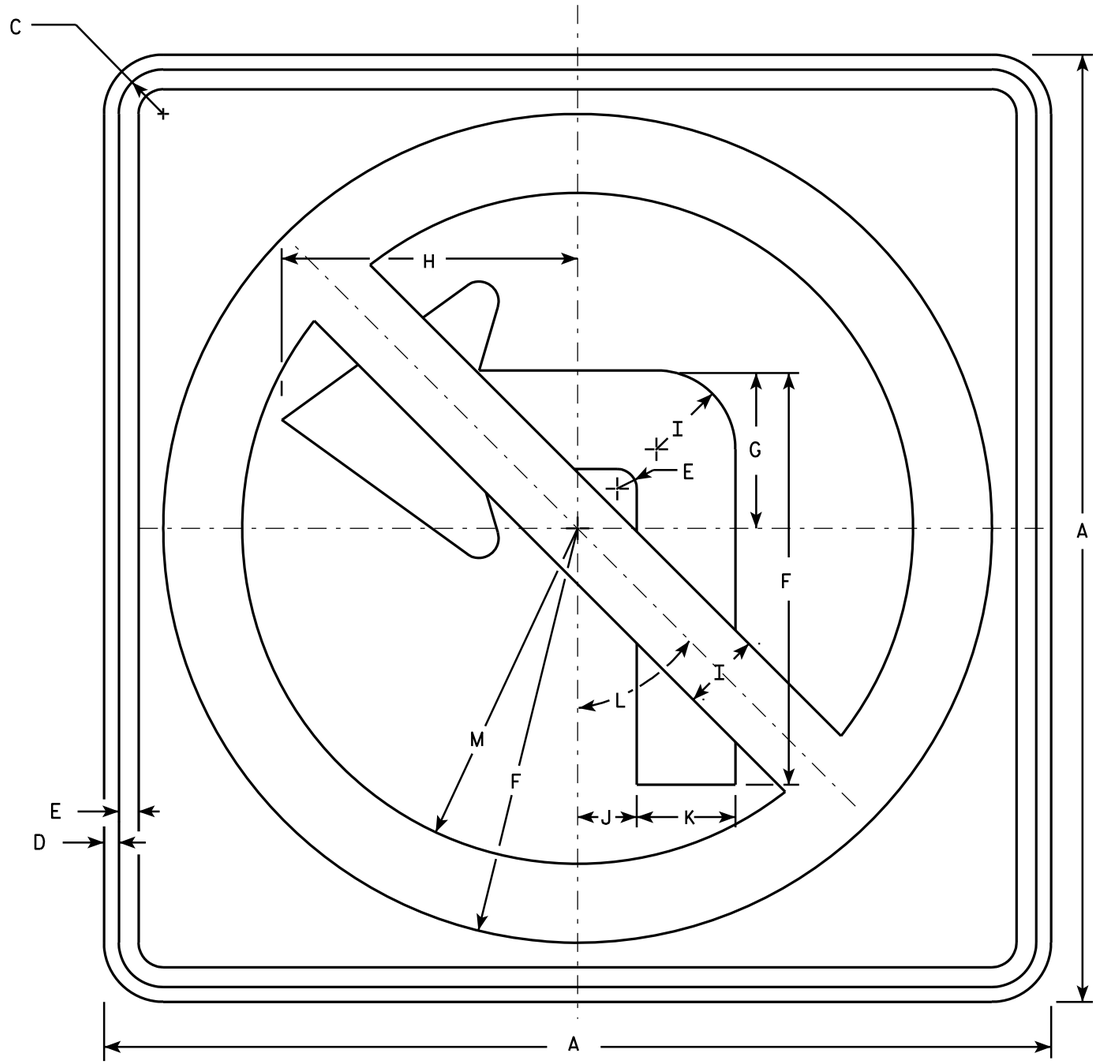
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

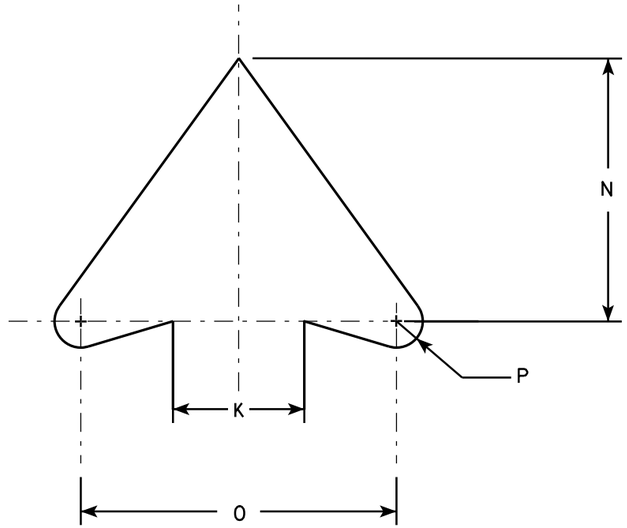
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 531	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

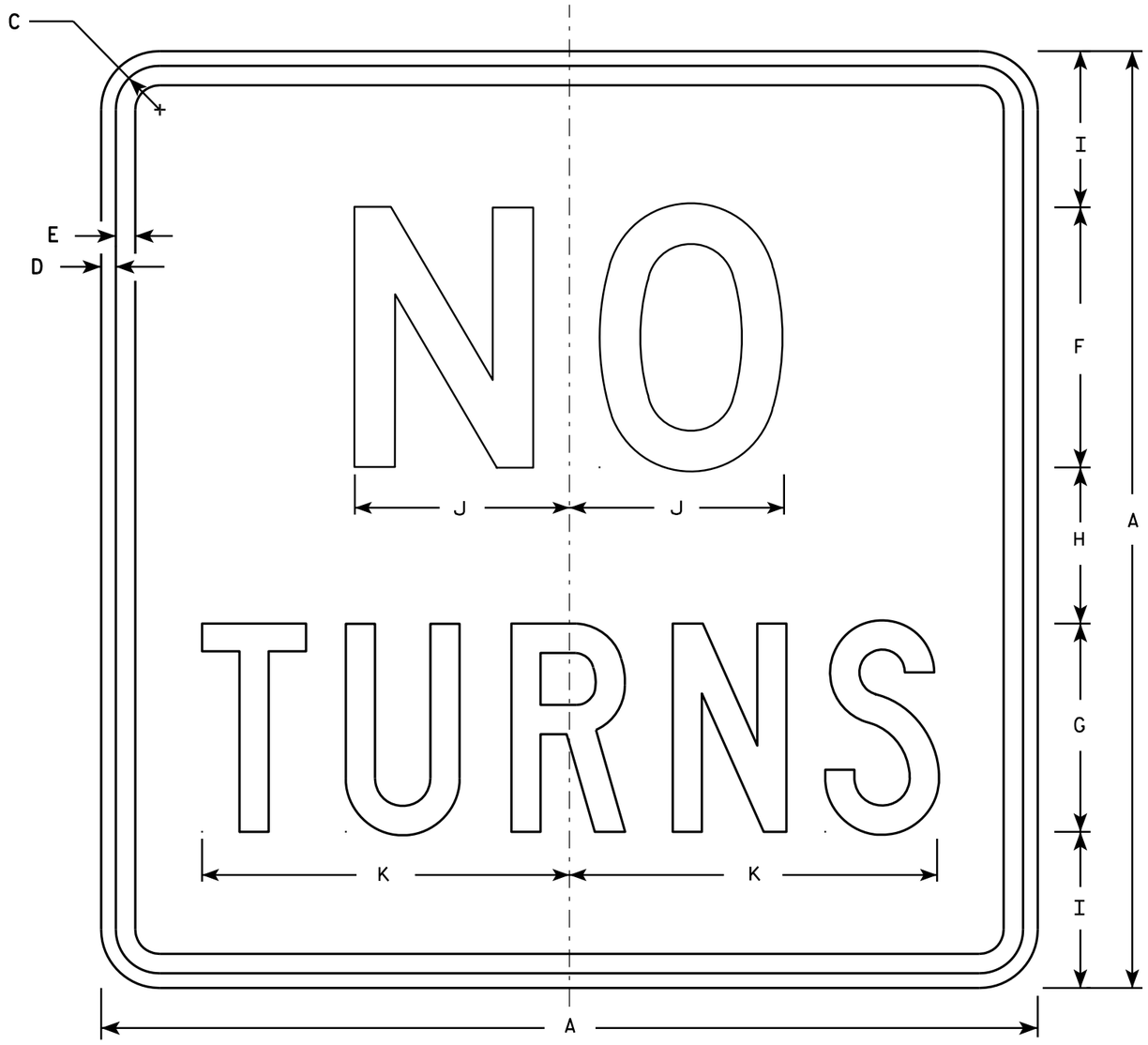
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 532 | E



R3-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D and Line 2 is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	6	5	4	4 1/2	5 1/8	8 3/4																4.0
2M	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
3	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
4	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
5	48		2 1/4	3/4	1	12	10	8	9	10 1/4	17 5/8																16.0

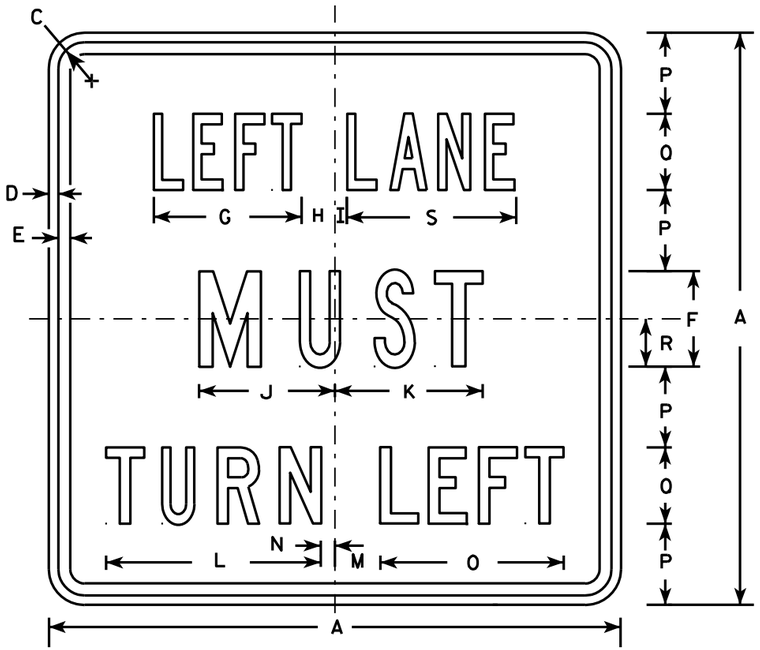
STANDARD SIGN
R3-3

WISCONSIN DEPT OF TRANSPORTATION

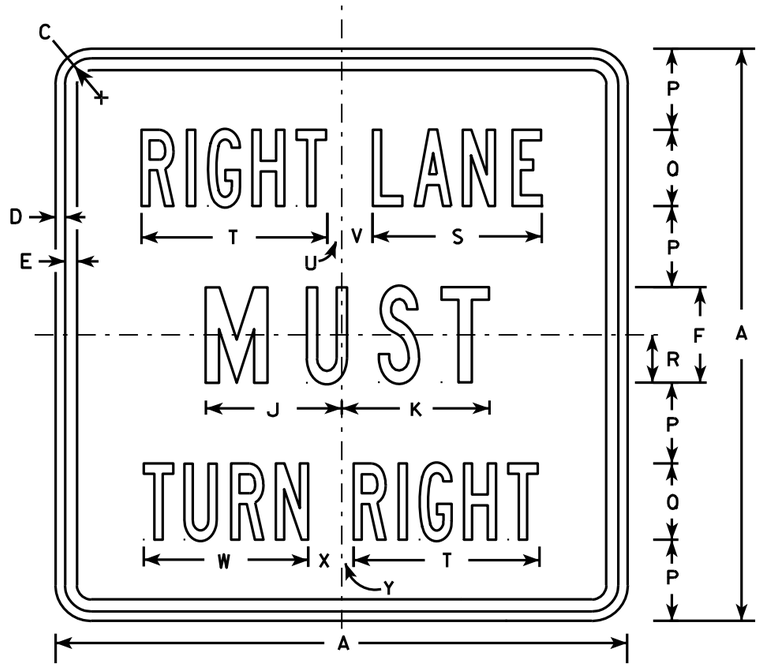
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 533 | E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

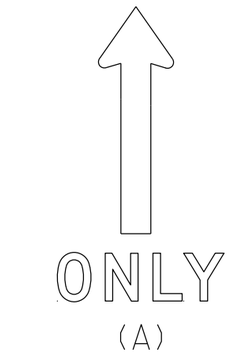
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

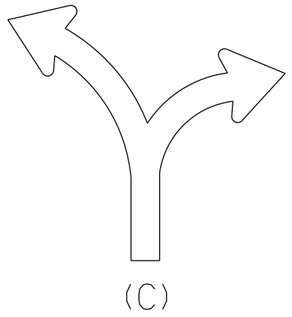
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 534	E

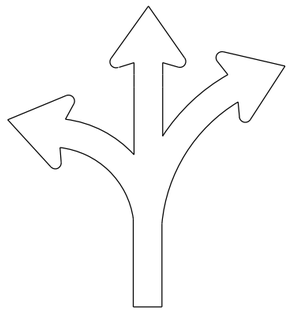


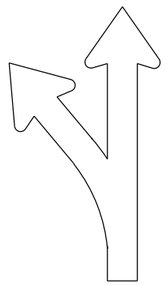
(A)

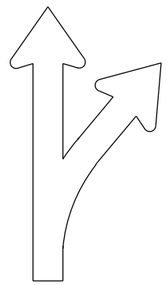


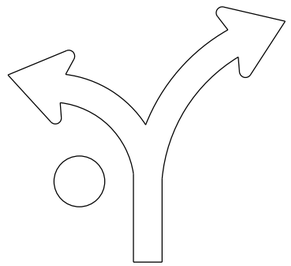
(B)

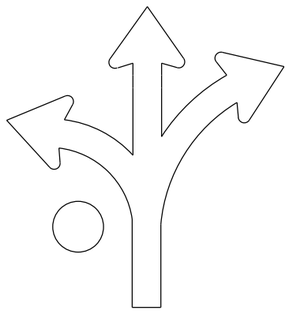

(C)

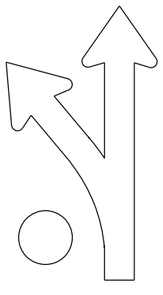

(D)


(E)


(F)

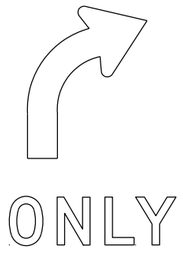

(G)


(H)

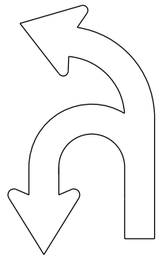

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

7

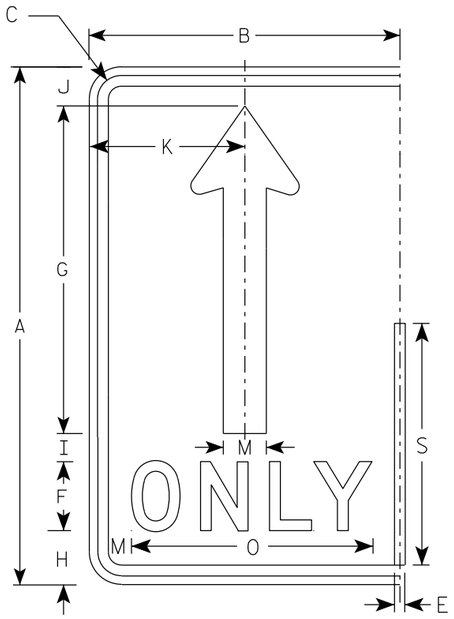
7

PROJECT NO:

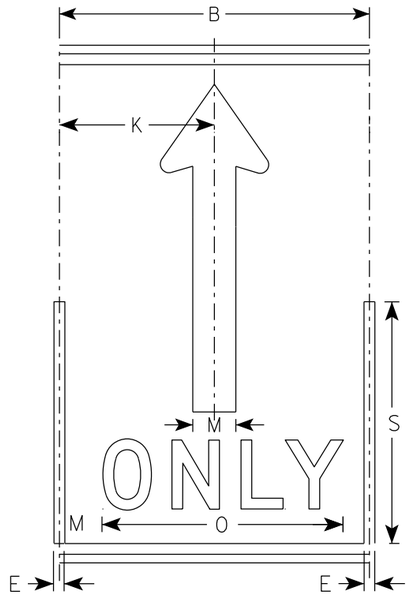
SHEET NO: 535 E

NOTES

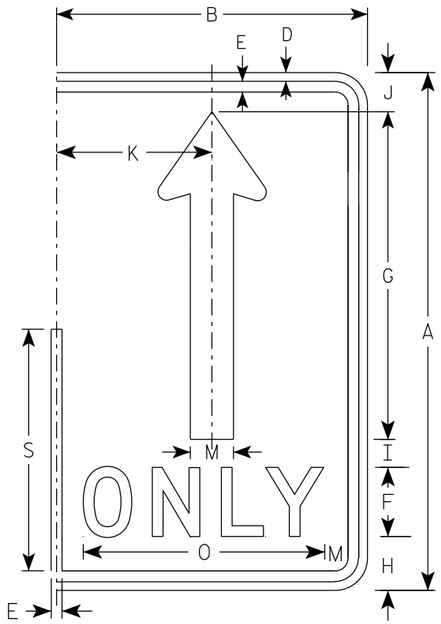
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



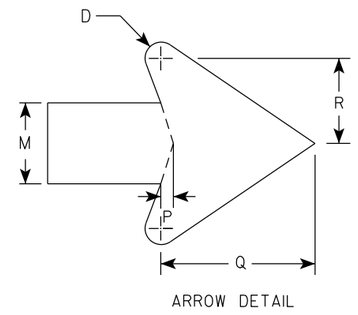
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

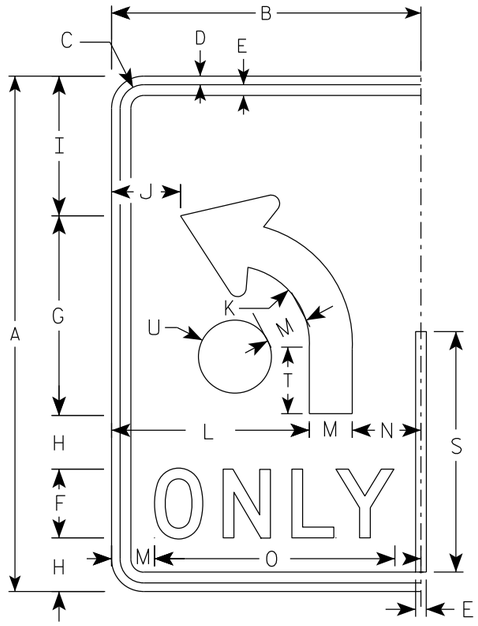
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

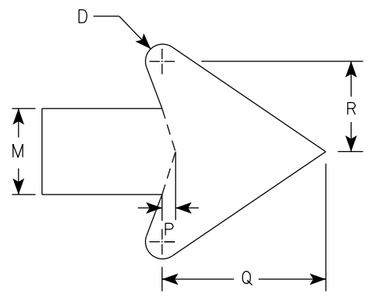
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 536	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

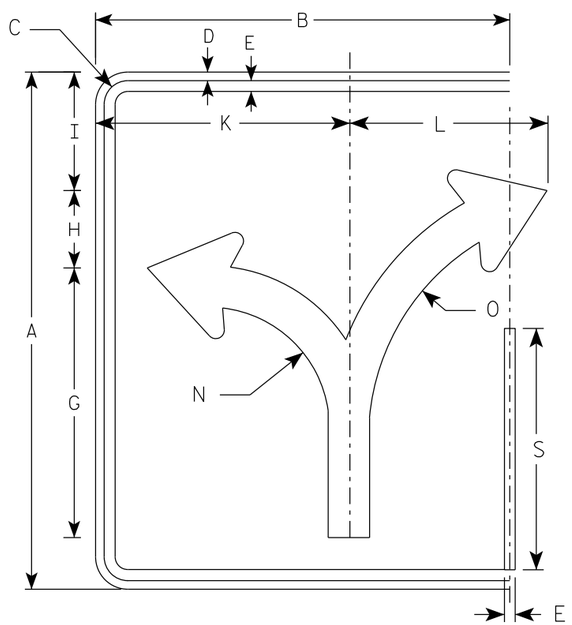
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

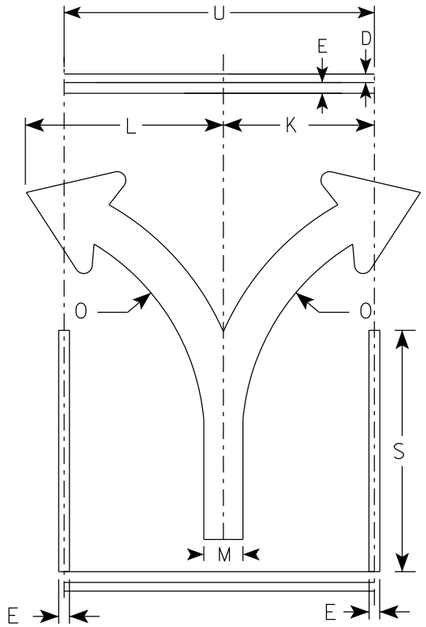
SHEET NO: 537 E

NOTES

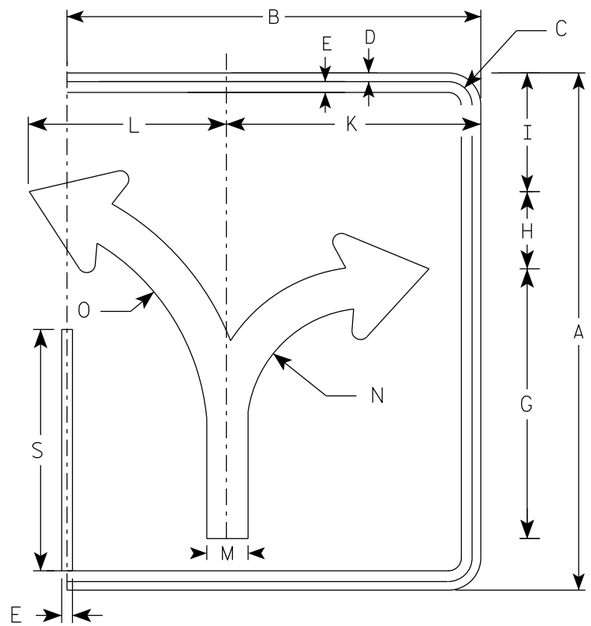
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



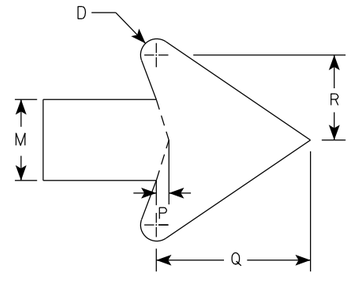
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

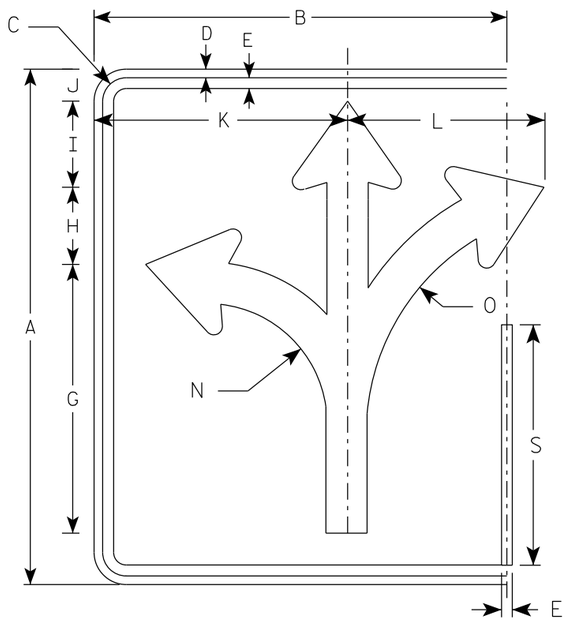
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

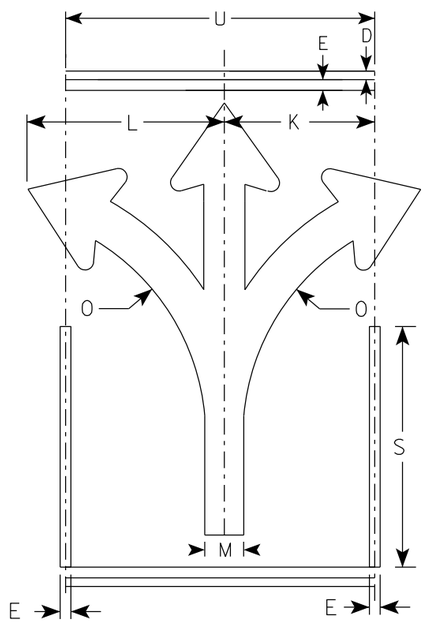
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 538 | E

NOTES

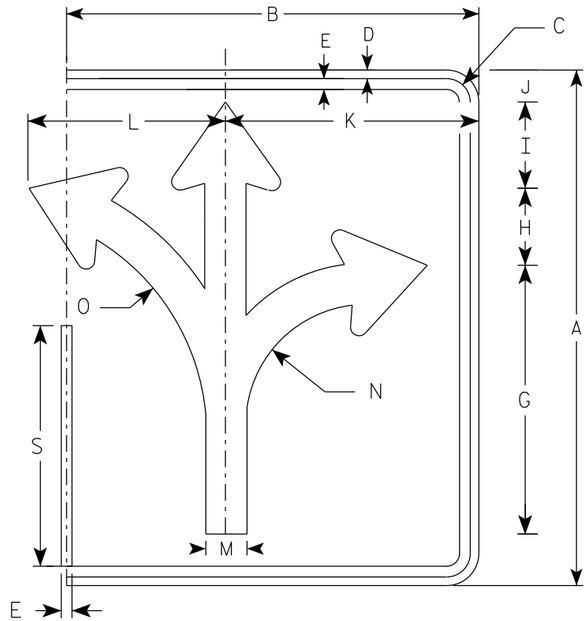
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



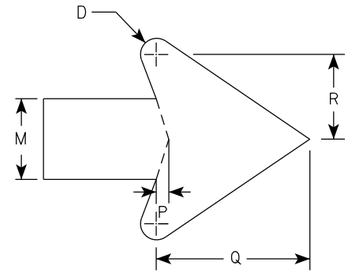
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

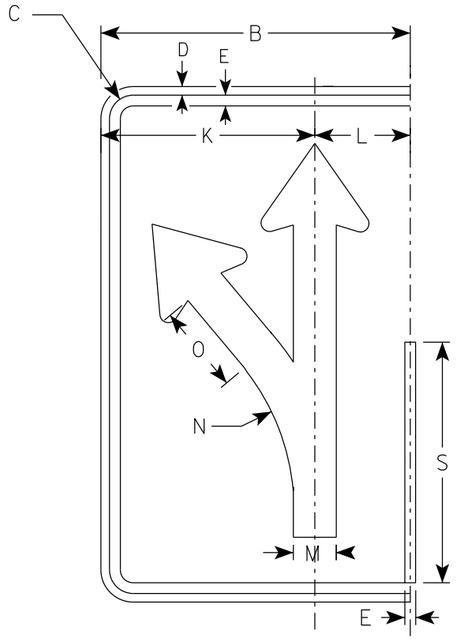
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

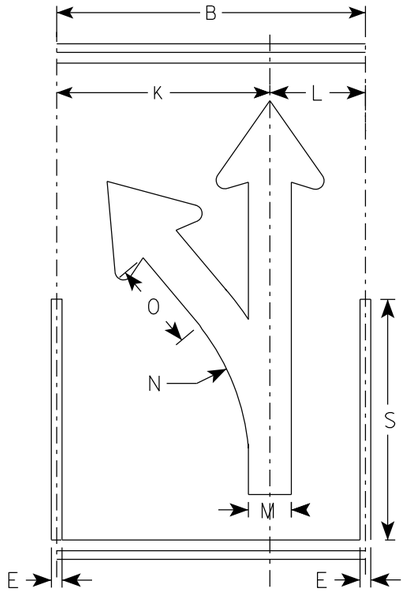
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 539 | E

NOTES

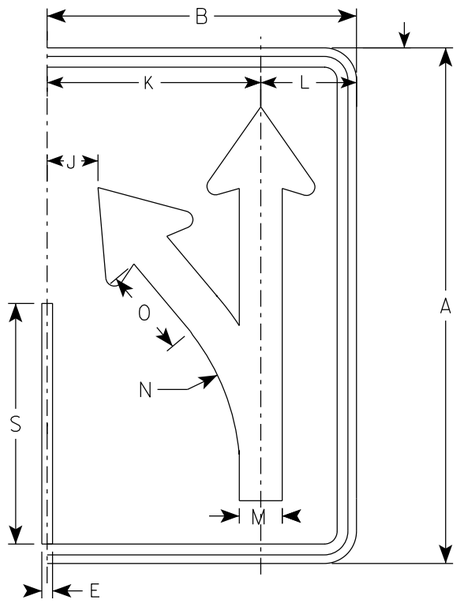
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



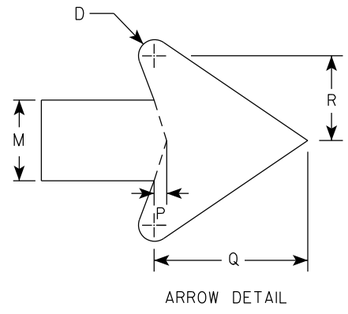
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

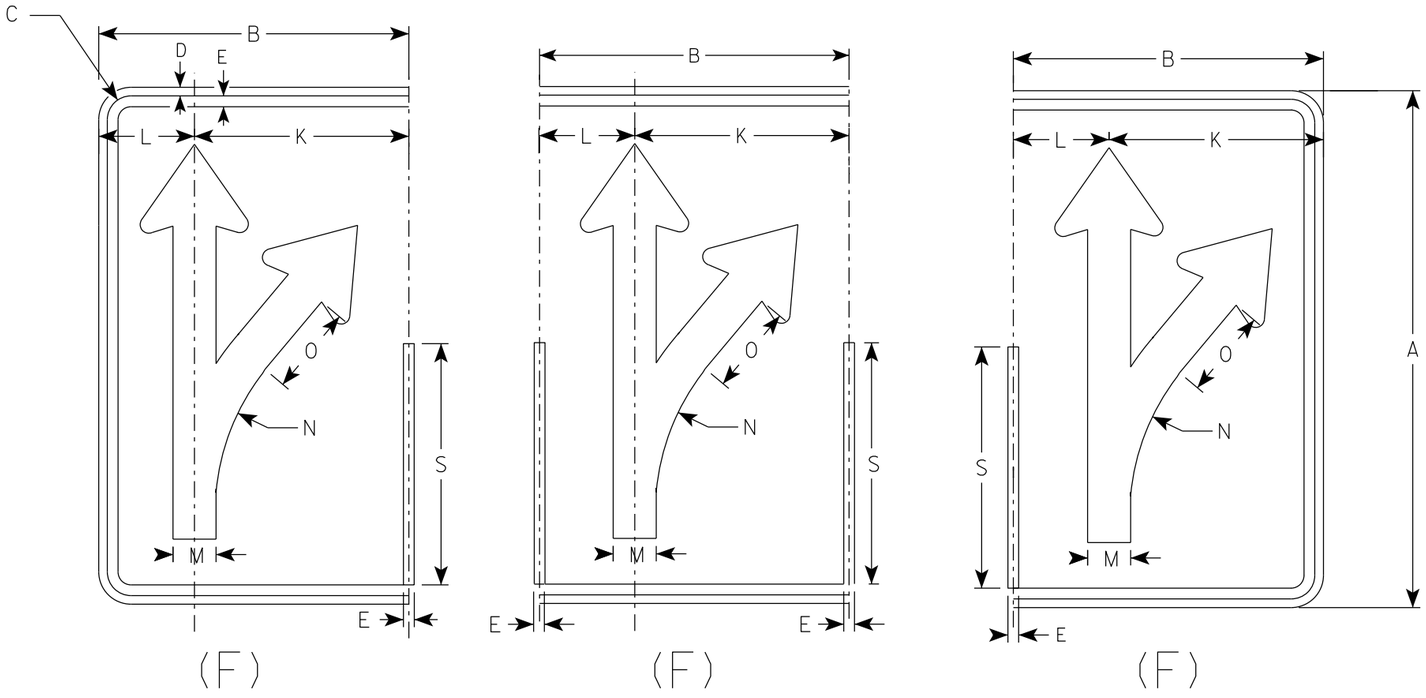
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

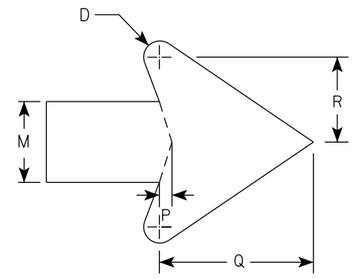
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 540 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(F) (F) (F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

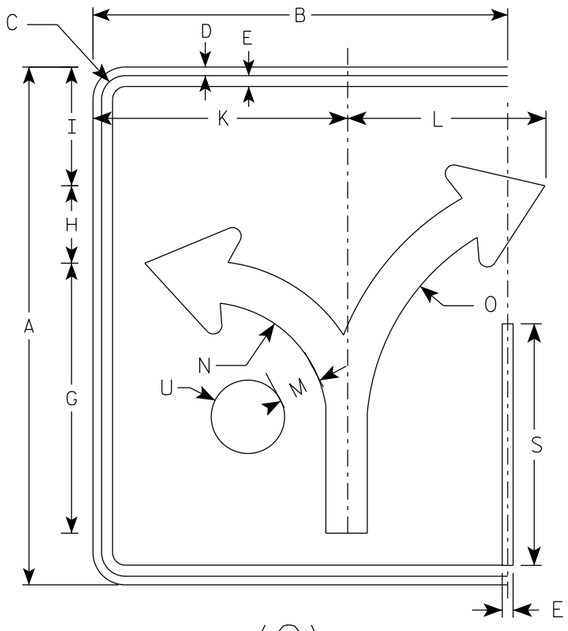
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 541 | E

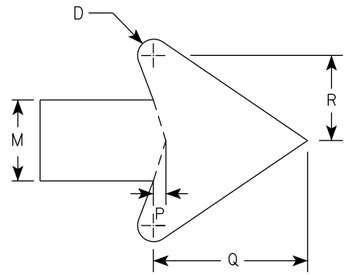
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

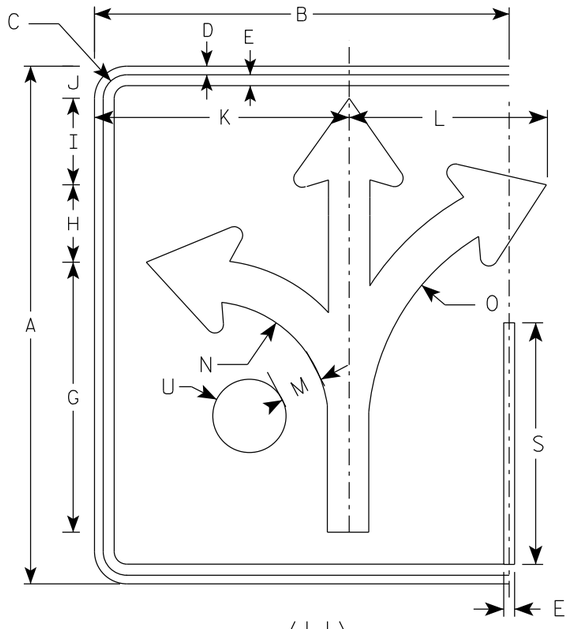
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

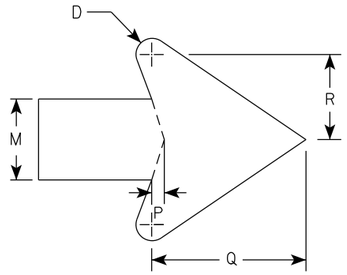
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 542 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

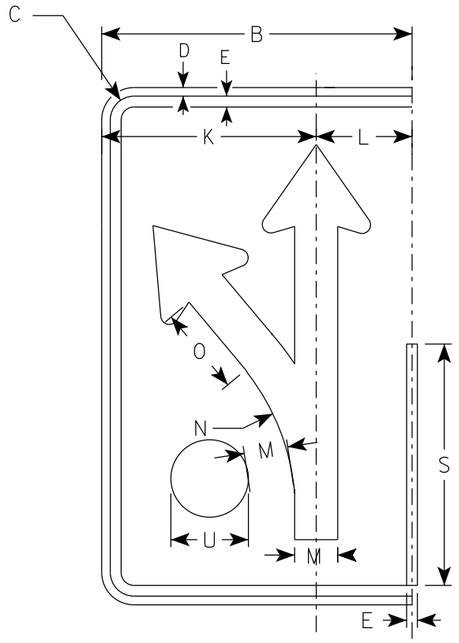
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

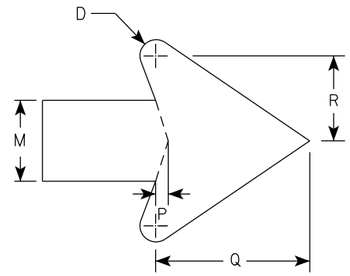
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 543	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

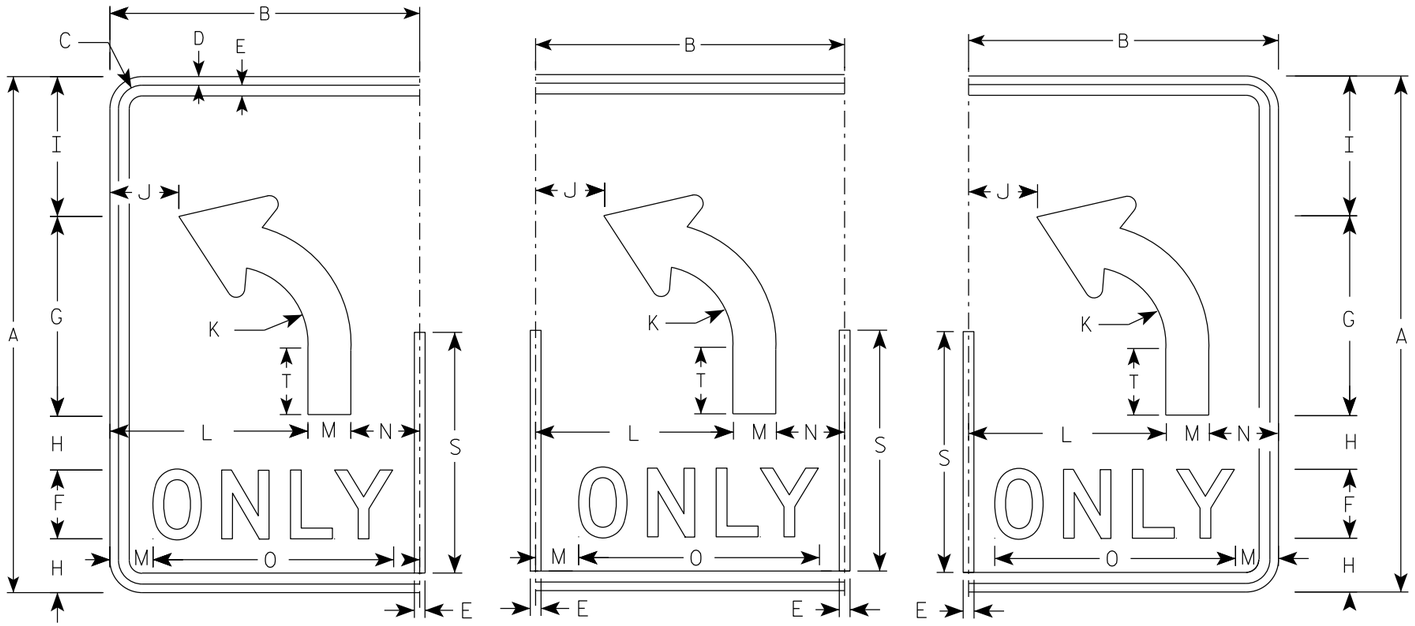
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

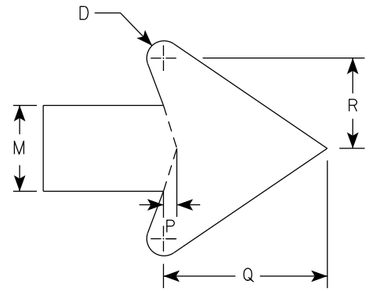
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 544 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



(L) (L) (L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

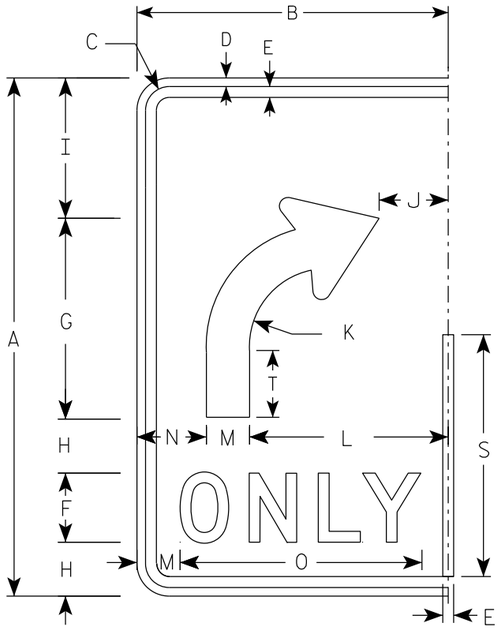
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

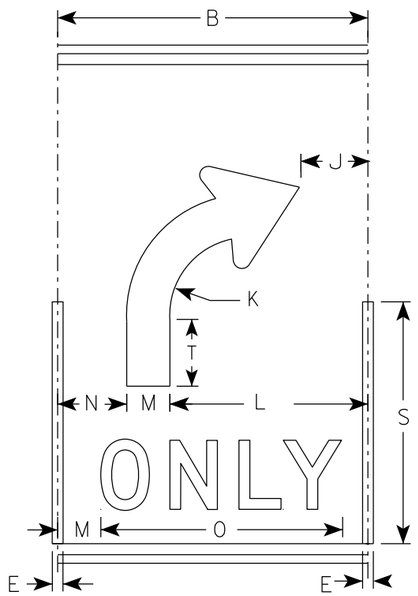
SHEET NO: 545 E

NOTES

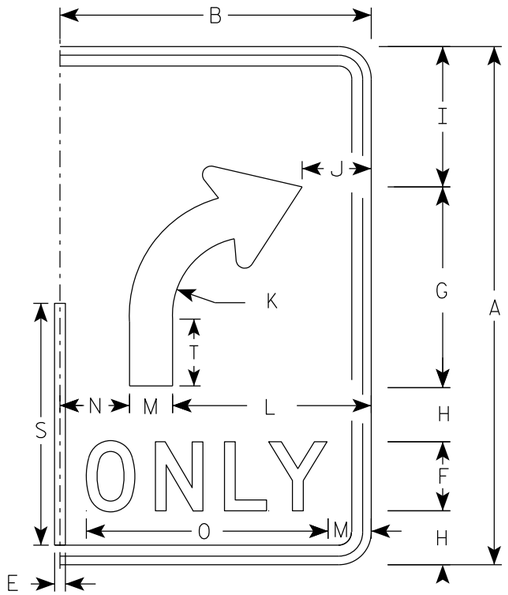
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



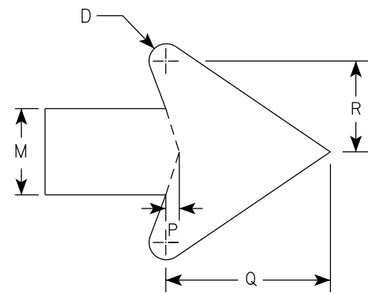
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

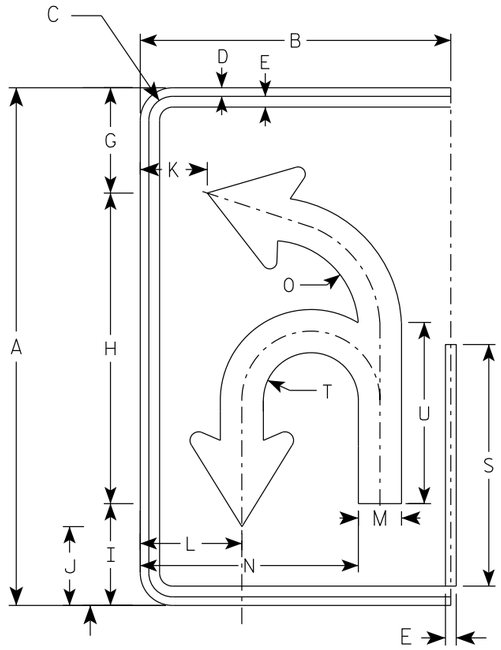
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

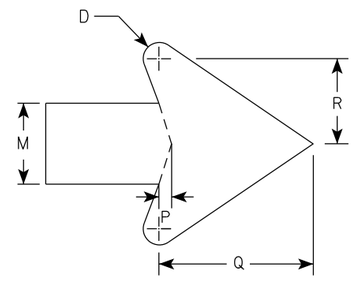
SHEET NO: 546 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

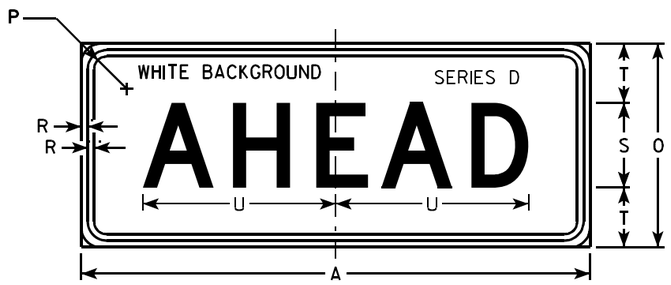
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 547 | E



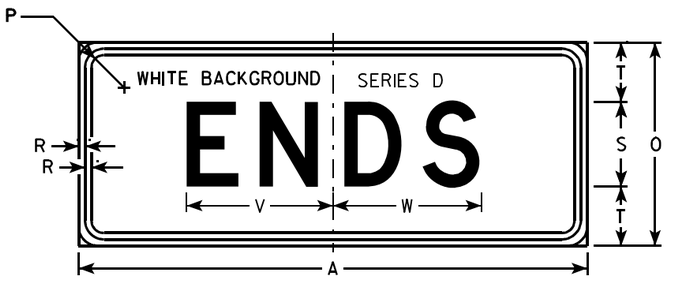
R3-17

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-17ap



R3-17bp

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

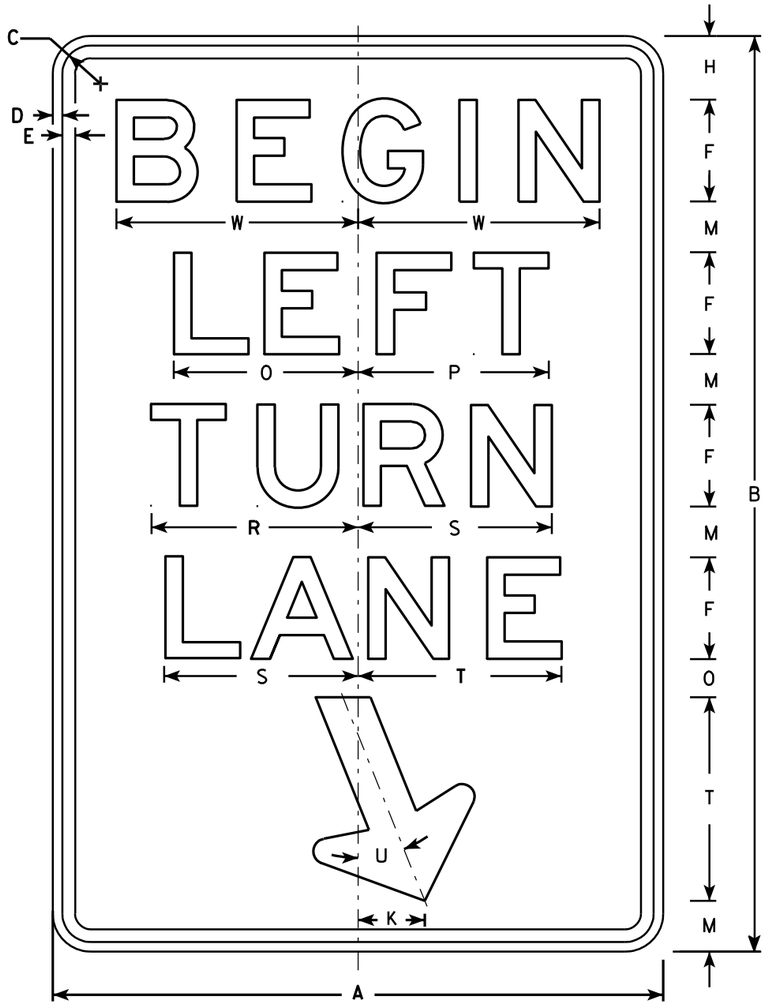
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

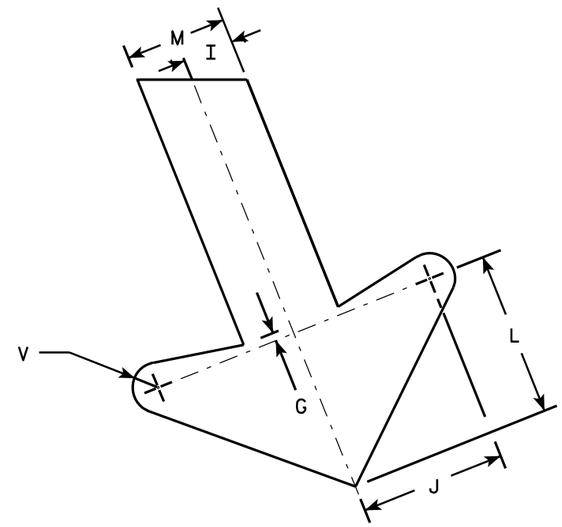
SHEET NO: 548 E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

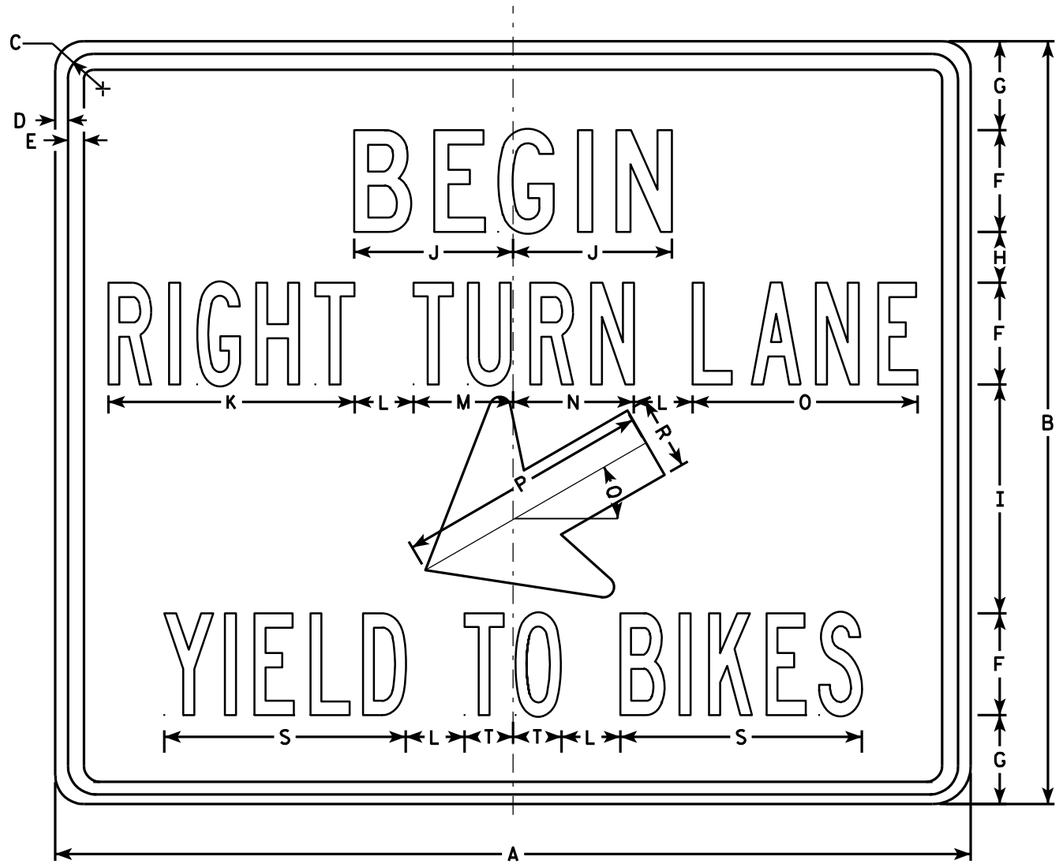
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 549 | E



R4-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series C
   Lines 2 & 3 are Series B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
2M	36	30	1 3/8	1/2	5/8	4	3 1/2	2	9	6 1/4	9 3/4	2 3/8	3 7/8	4 3/4	8 7/8	10	30°	2 7/8	9 1/2	1 7/8							7.5
3																											
4																											
5																											

STANDARD SIGN
R4-4

WISCONSIN DEPT OF TRANSPORTATION

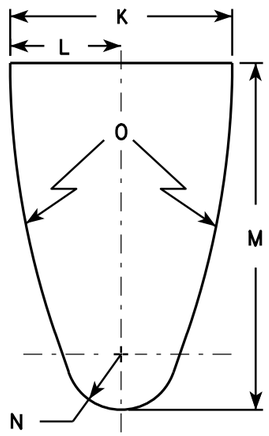
APPROVED Matthew R Rauch
for State Traffic Engineer

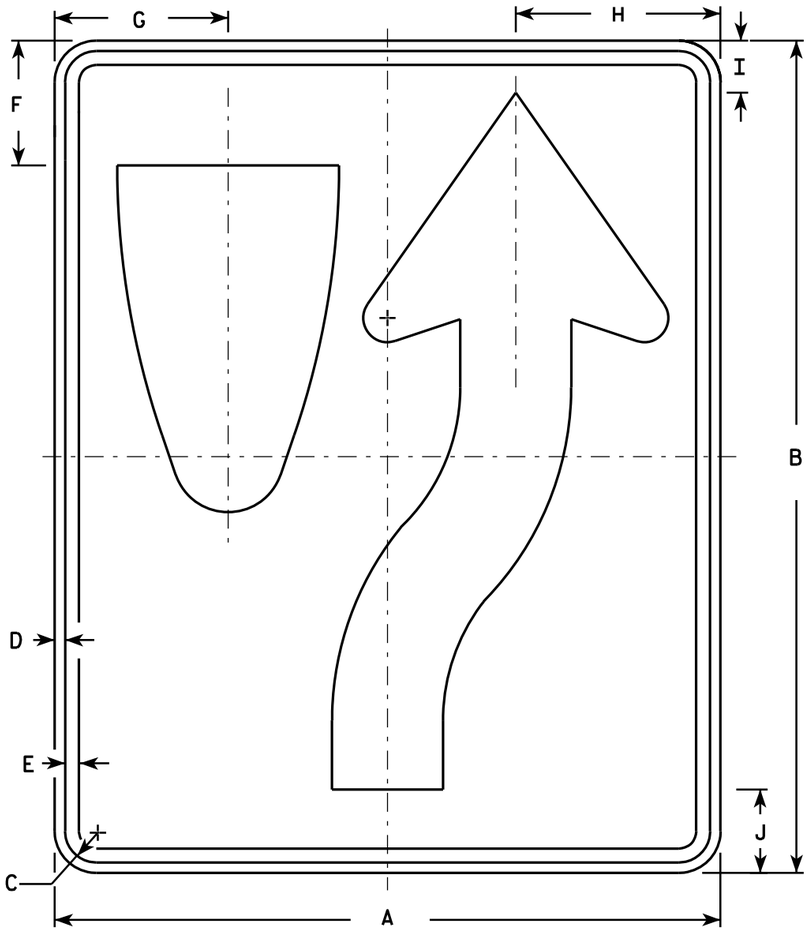
DATE 3/25/2011 PLATE NO. R4-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 550 | E

7

7

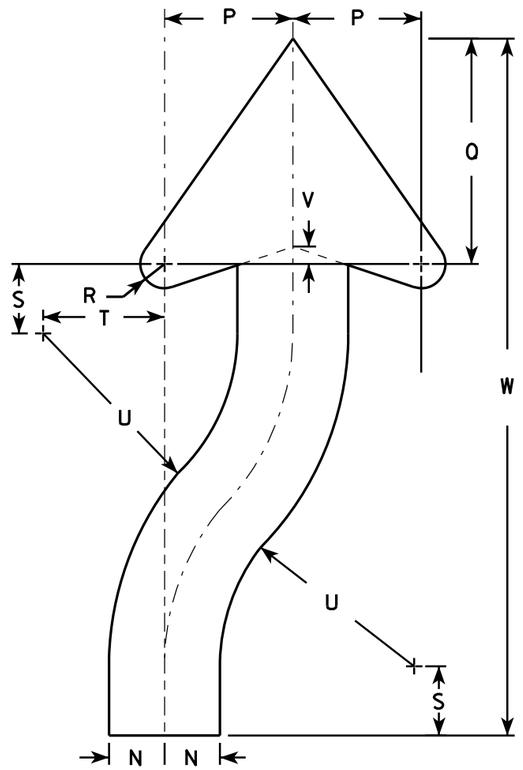




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

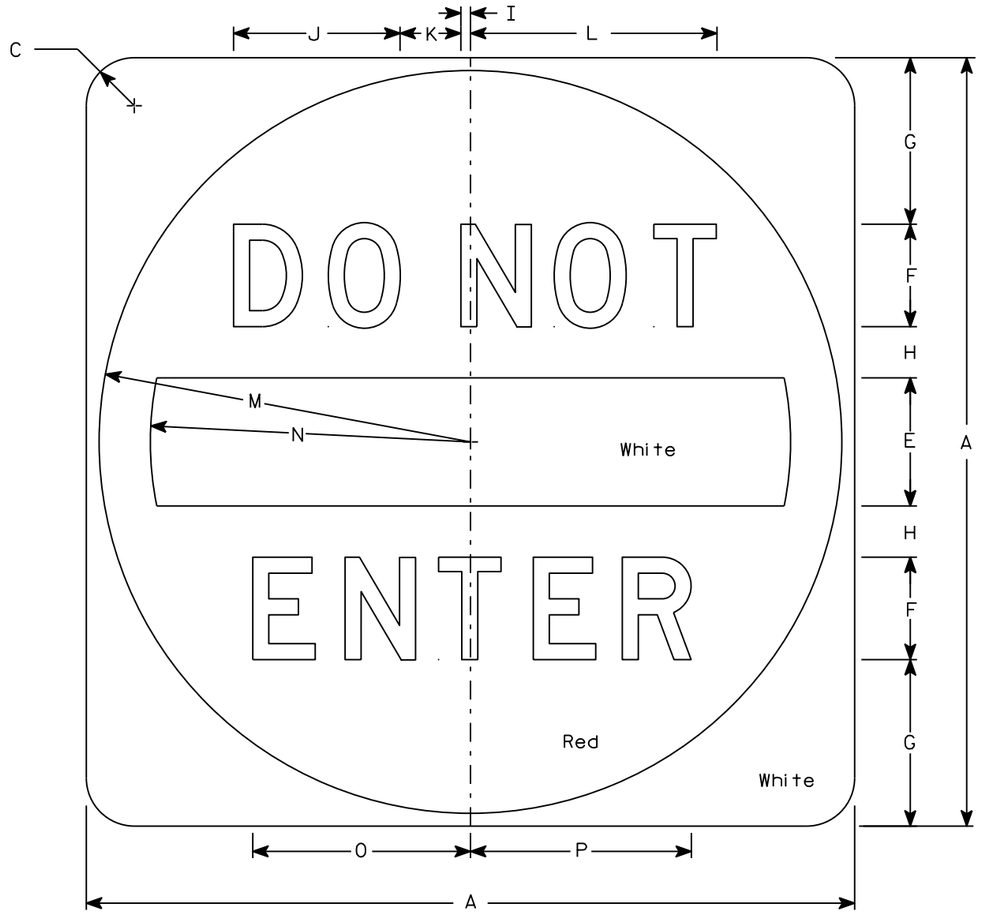
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 551	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

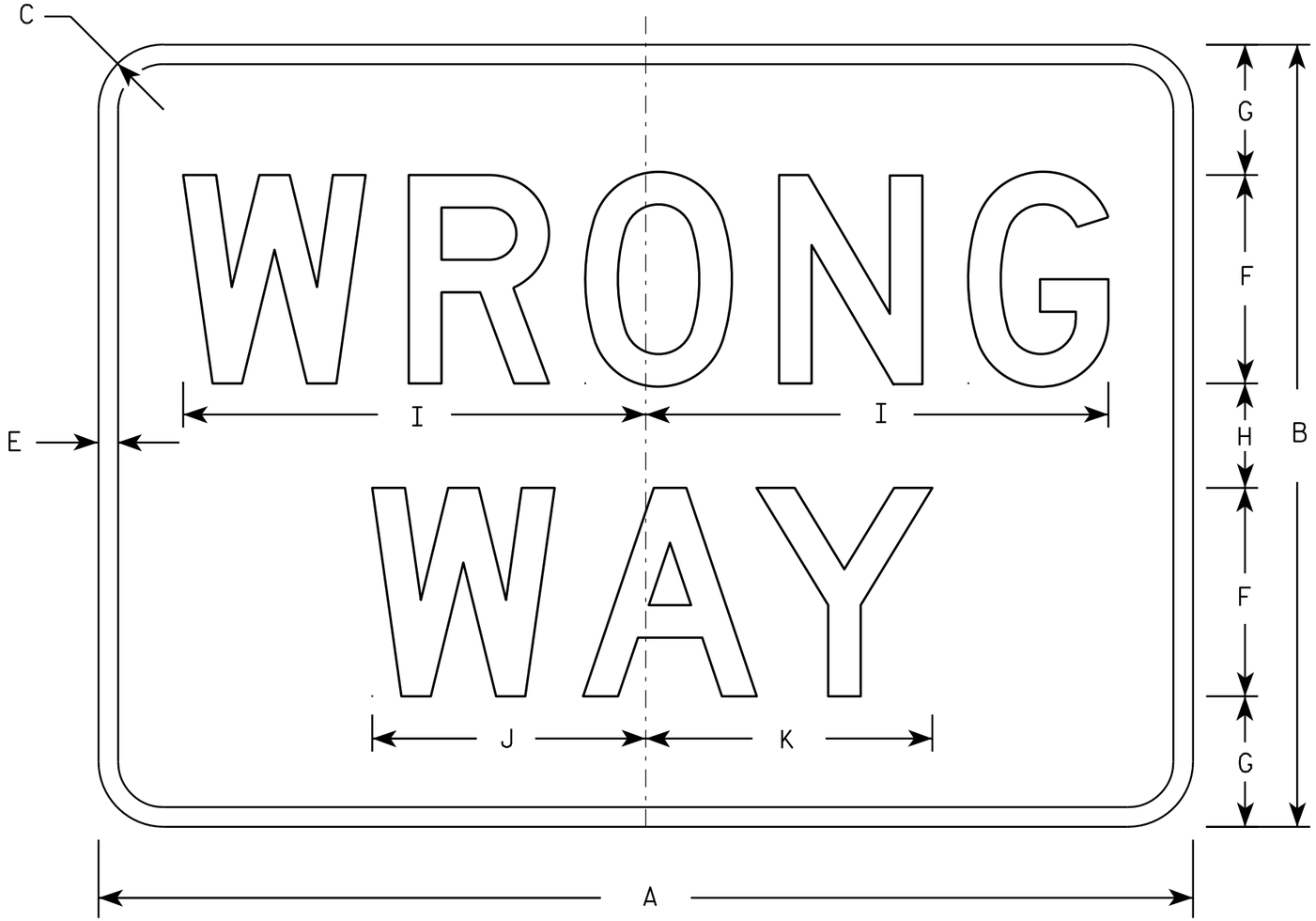
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 552 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

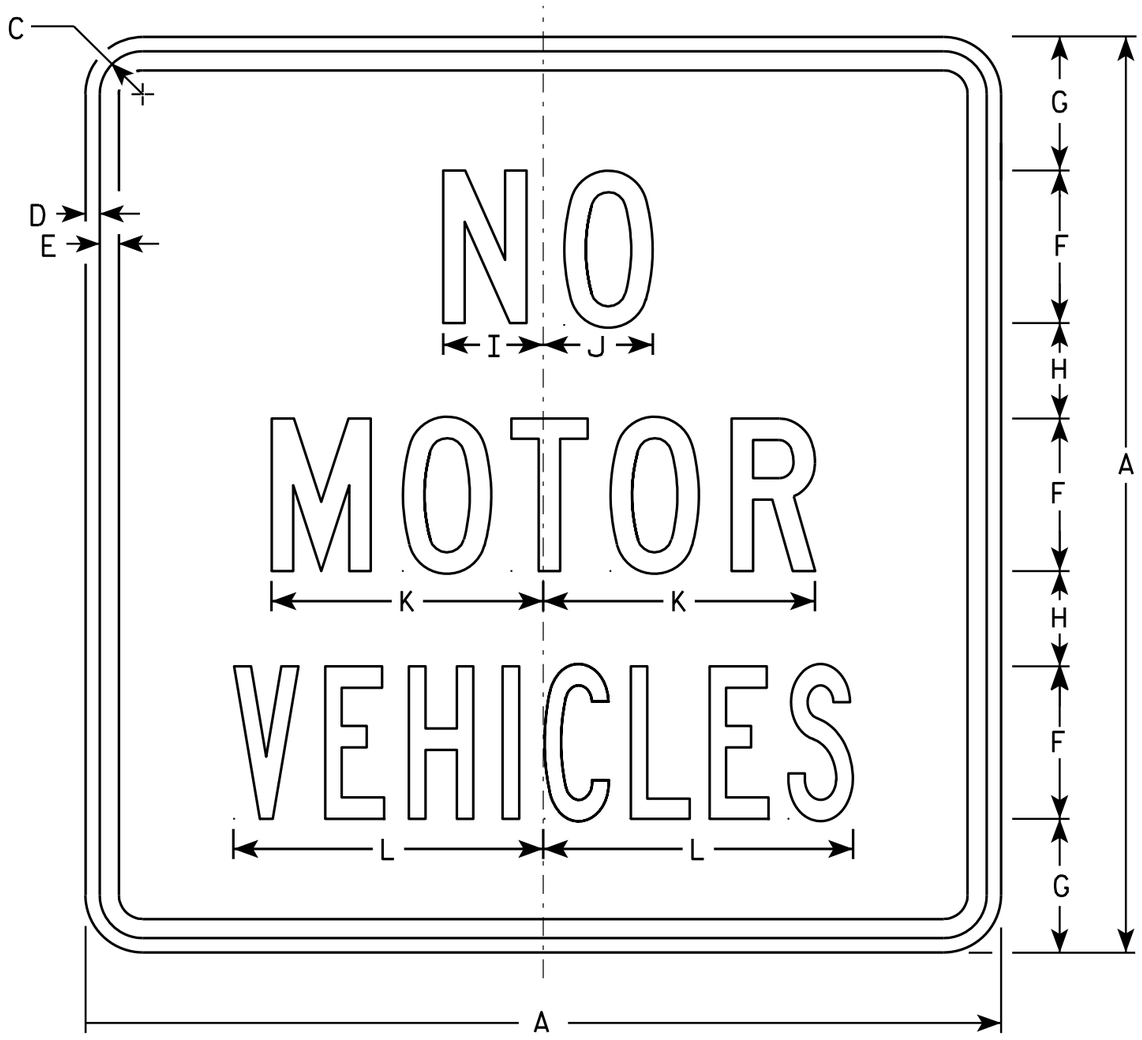
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 553 | E



R5-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 & 2 are Series C.
   Line 3 is Series B.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	2 5/8	2 7/8	7 1/8	8 1/8															4.0
3																											
4																											
5																											

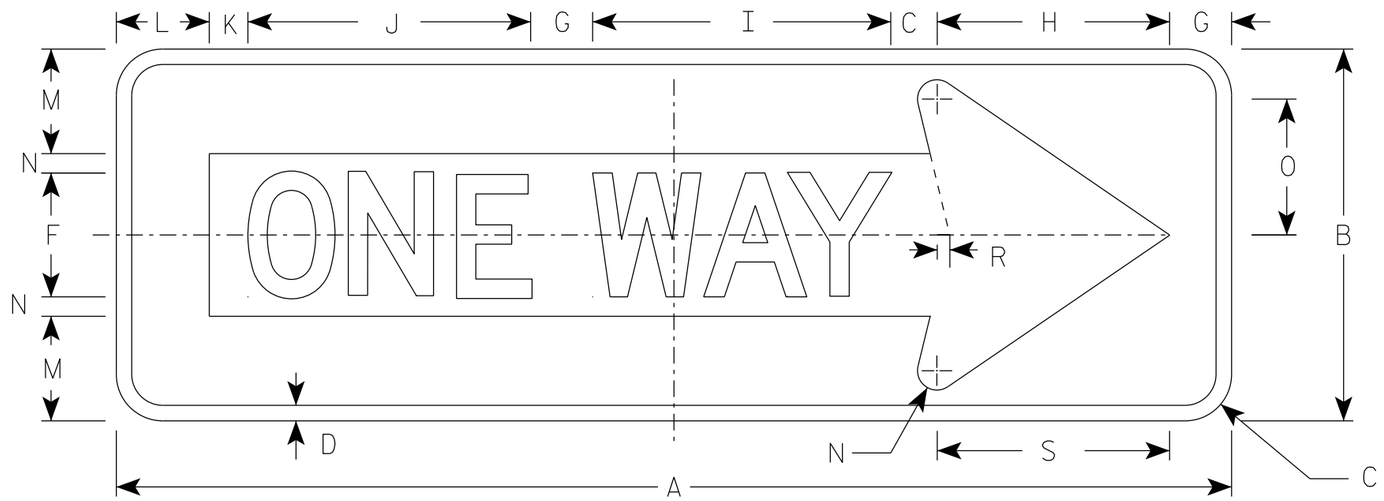
STANDARD SIGN
R5-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-3.2

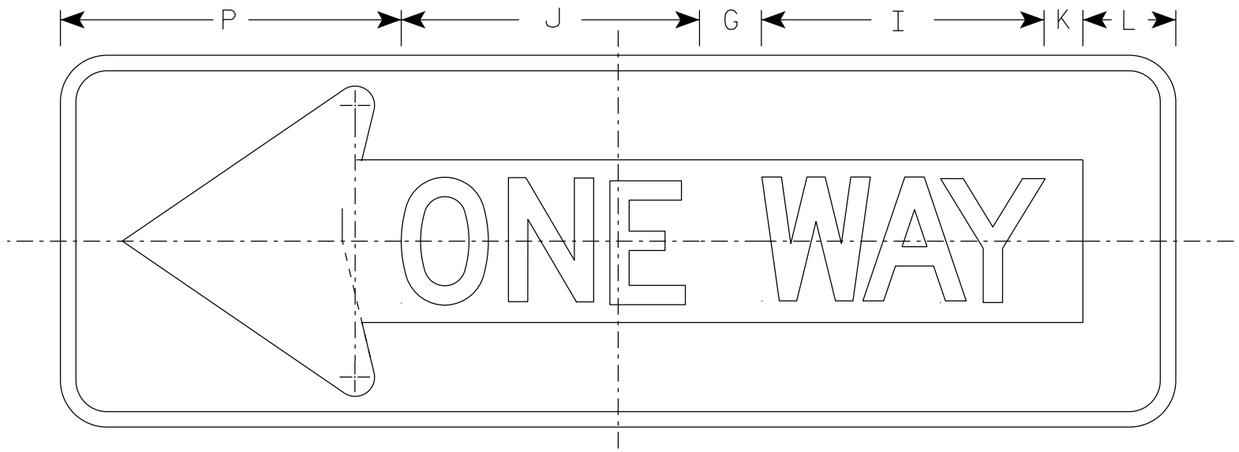
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 554 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

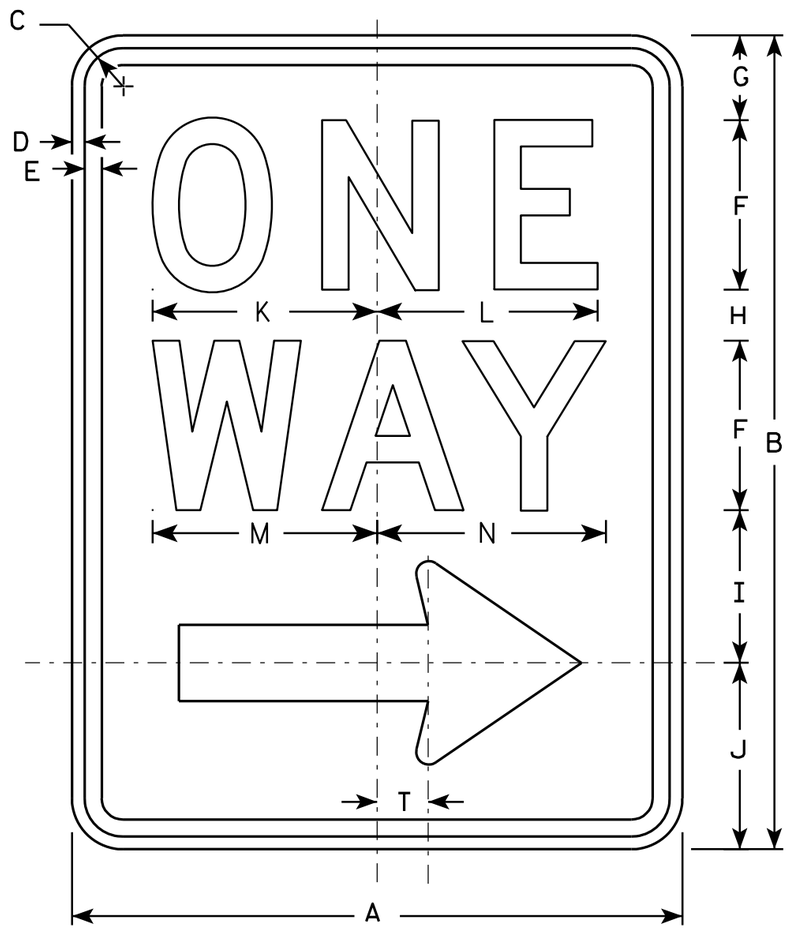
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

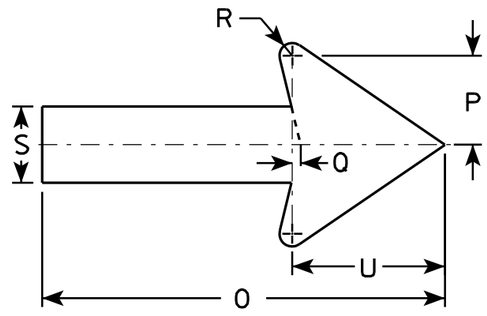
SHEET NO: 555 E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

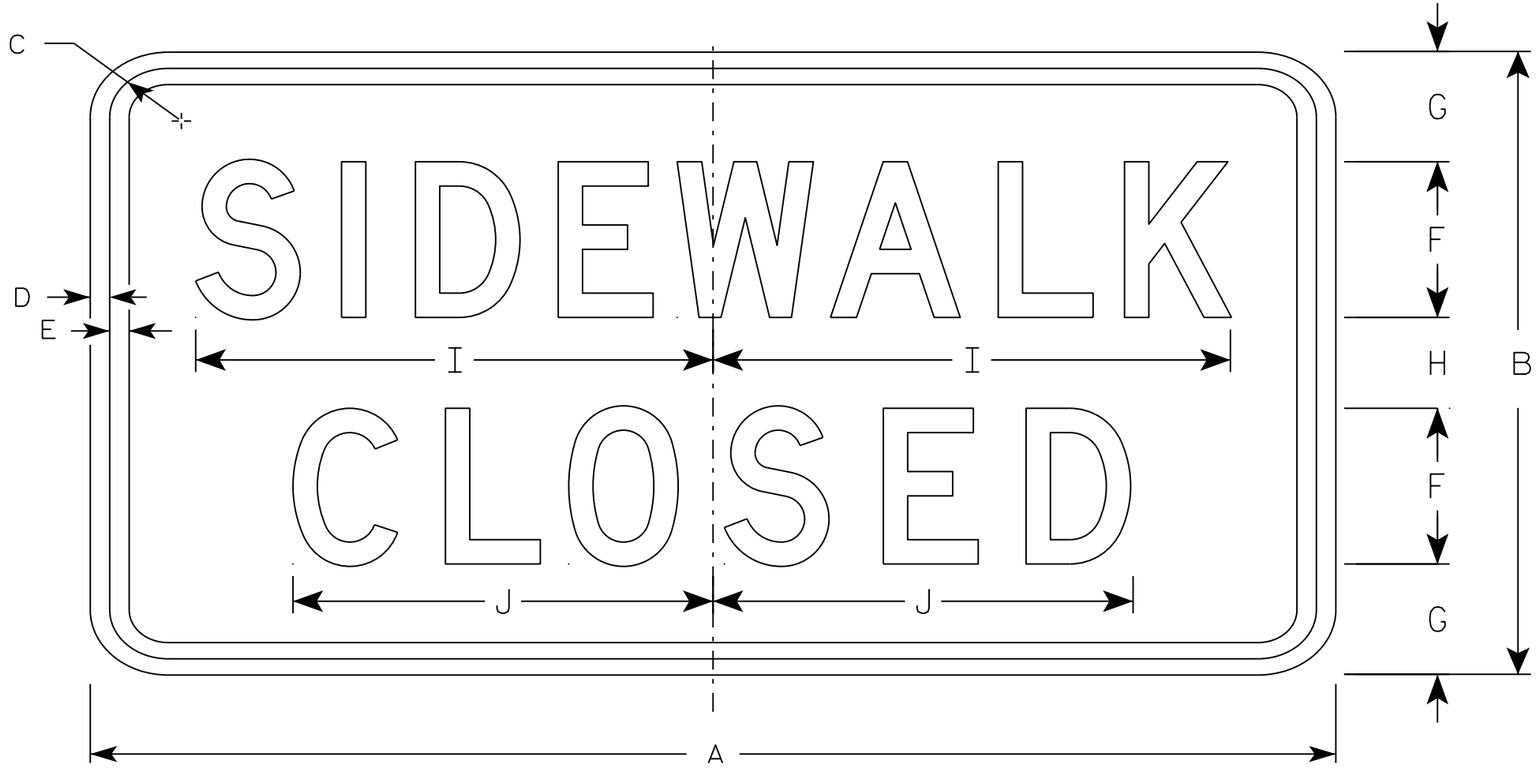
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 556	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

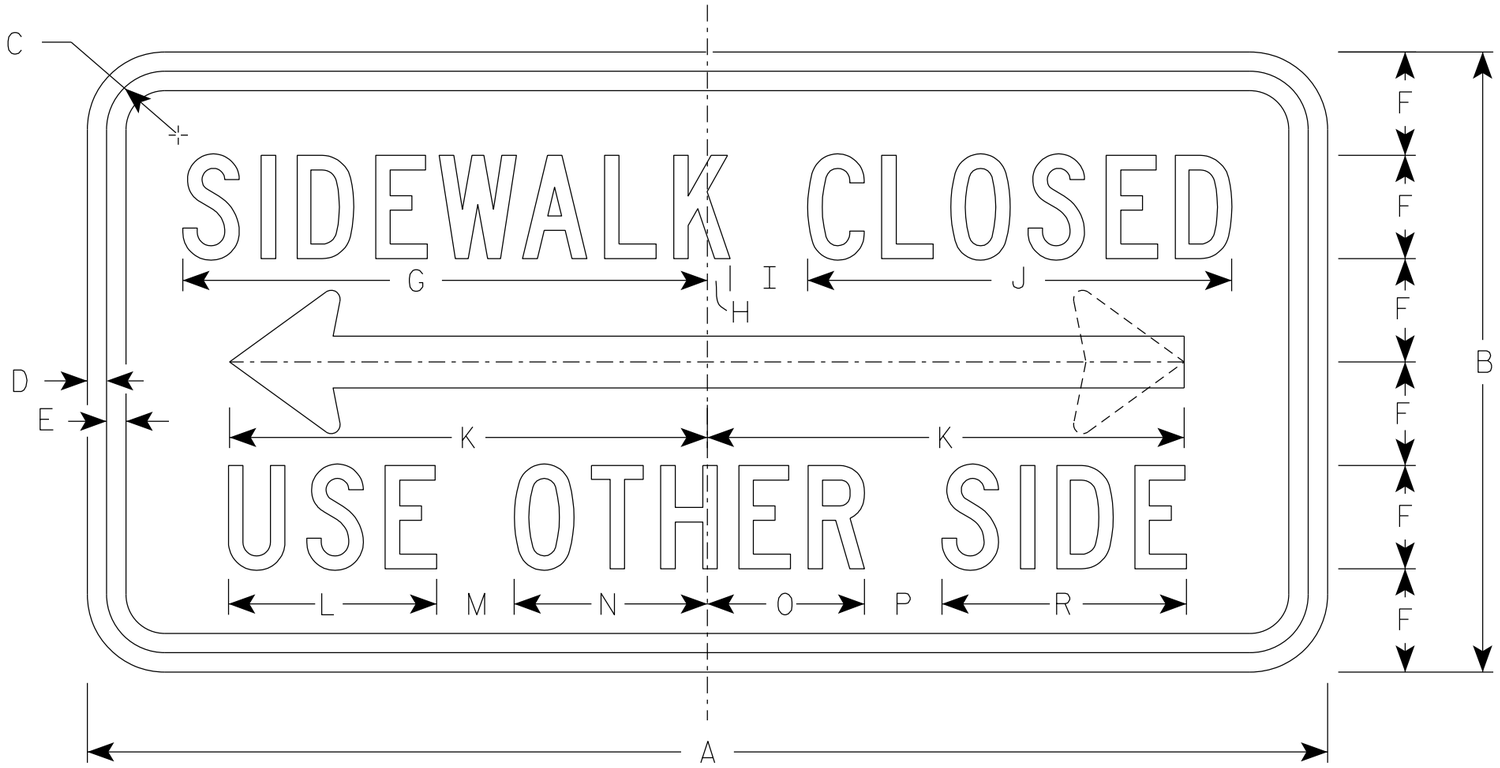
DATE 8/11/16 PLATE 557 R9-9.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

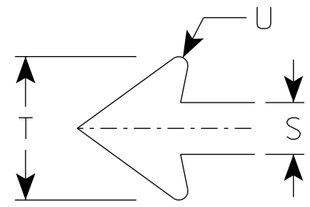
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for sidewalks. Use Size 3 for paths and trails.



R9-10



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	5	2	4 5/8	3 3/4	2		5 7/8	1 1/4	3 5/8	1/4						3.125
4																											
5																											

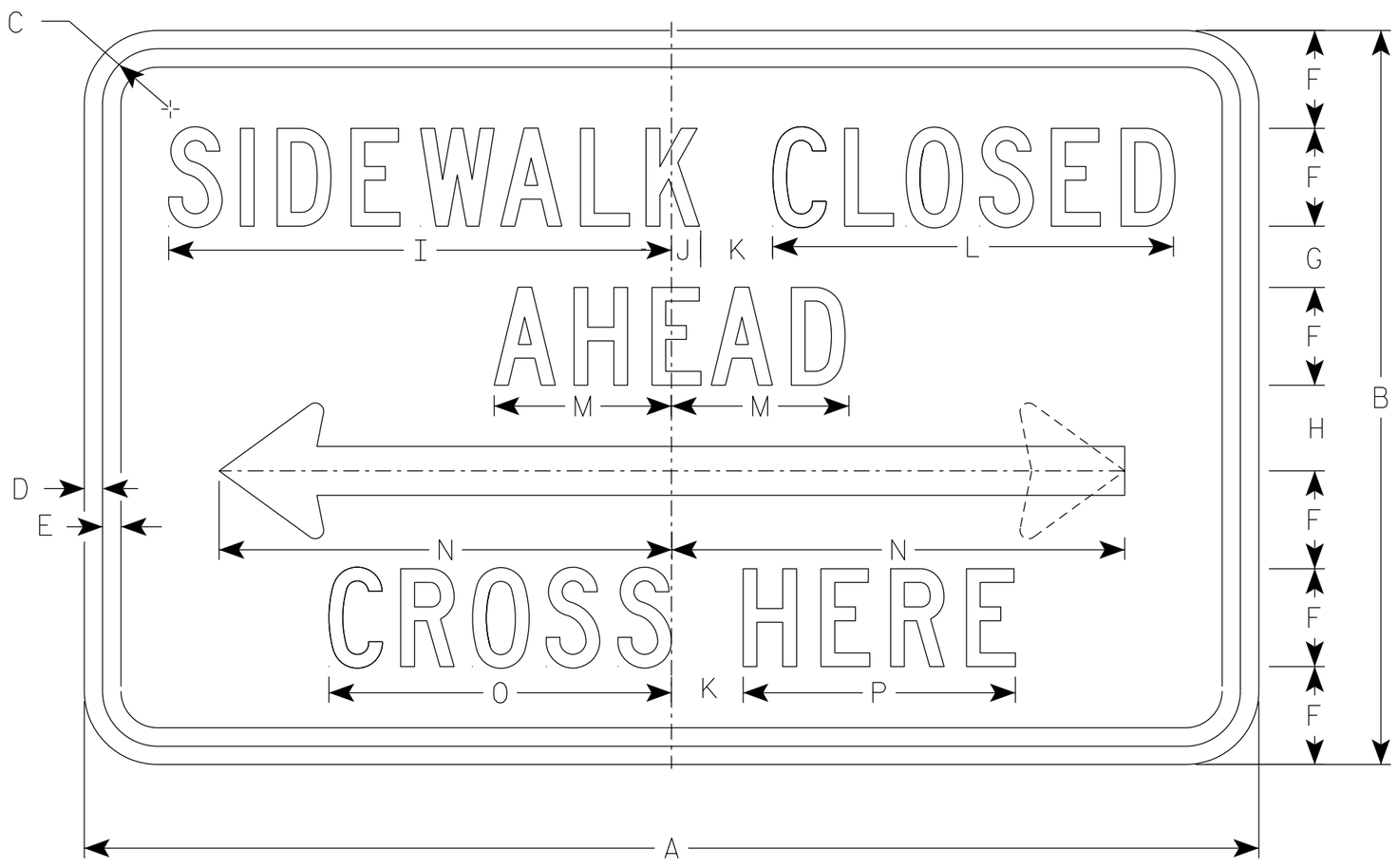
STANDARD SIGN
R9-10

WISCONSIN DEPT OF TRANSPORTATION

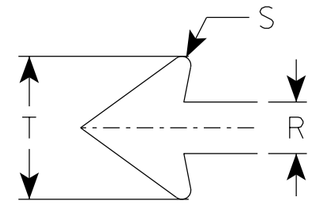
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2020 PLATE NO. R9-10.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 558	E



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

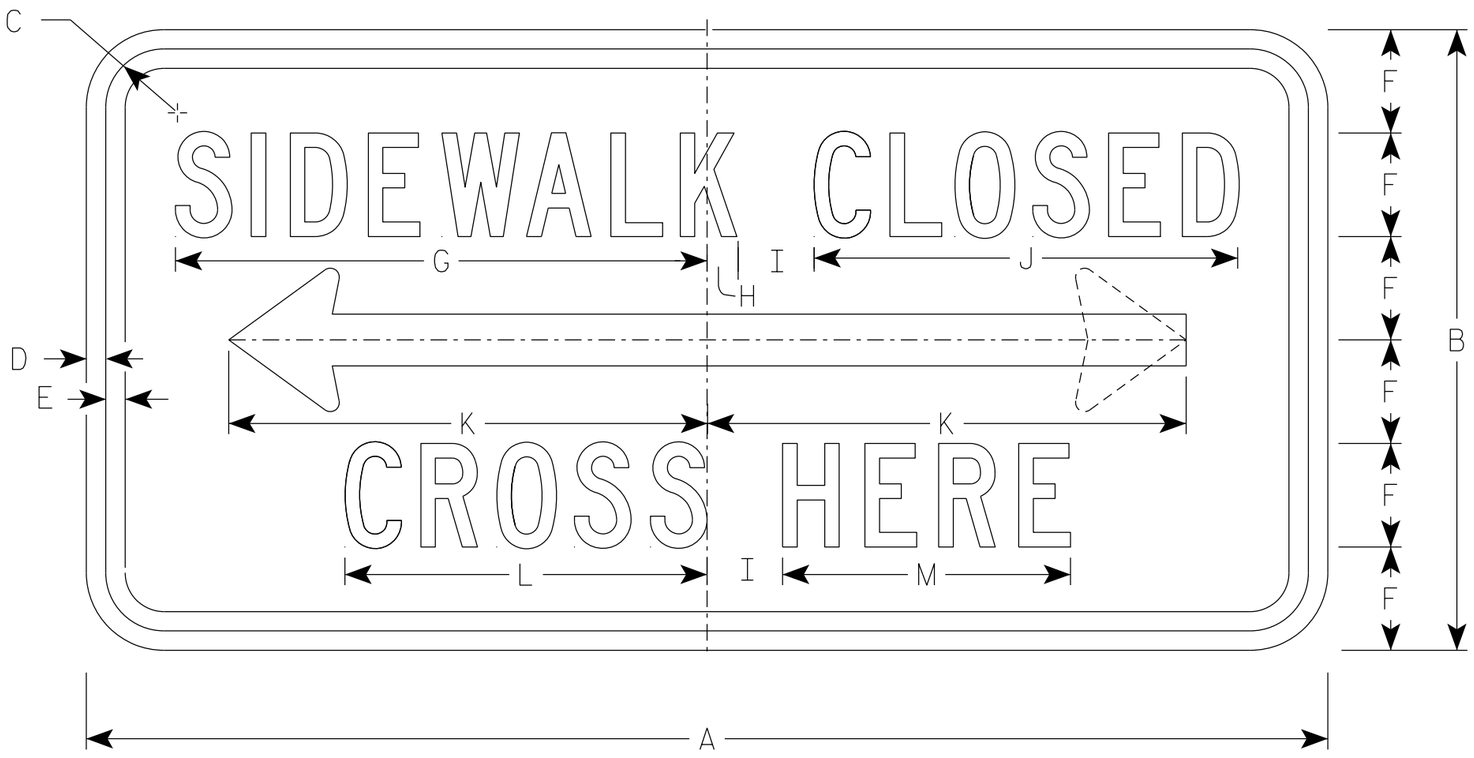
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

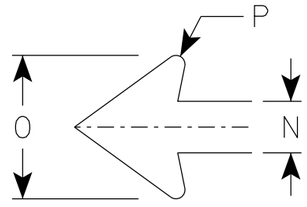
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 559 | E



R9-11A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.
6. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

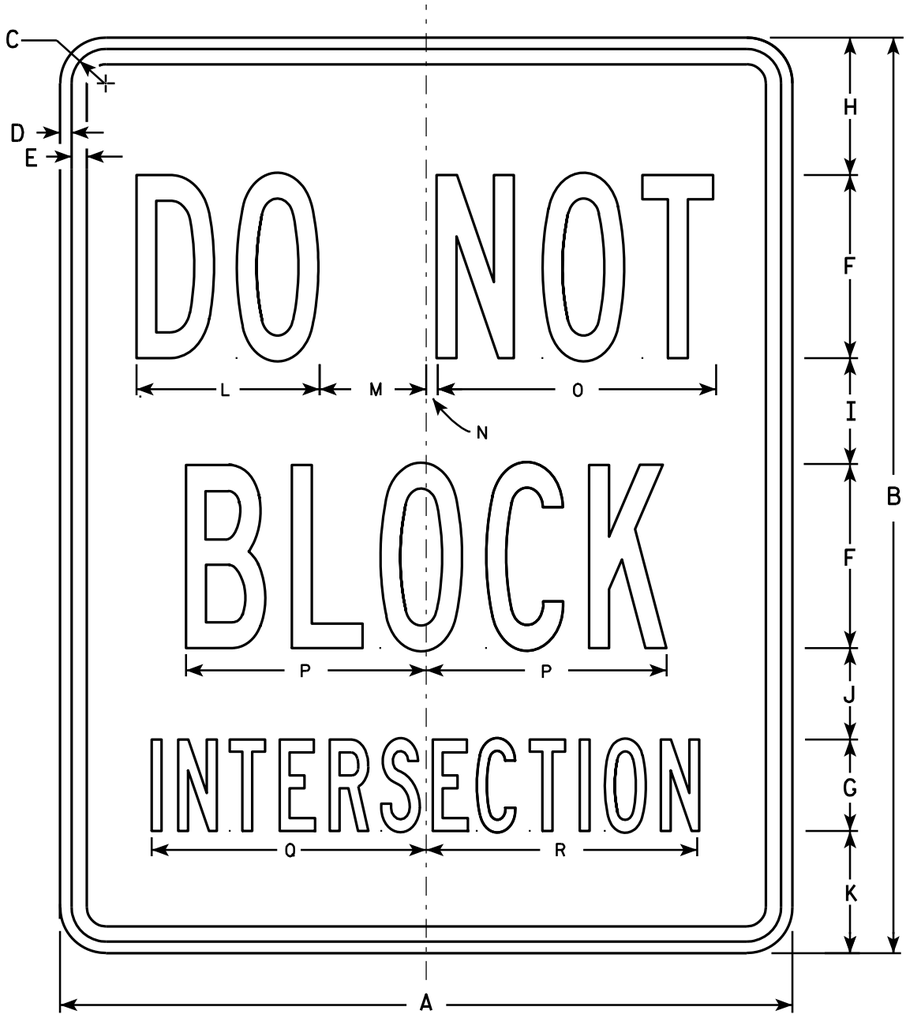
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 560 | E



R10-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	6	3	4 1/2	3 1/2	3	4	6	3 1/2	3/8	9 1/8	7 7/8	9	8 7/8									5.0
2M	24	30	1 1/8	3/8	1/2	6	3	4 1/2	3 1/2	3	4	6	3 1/2	3/8	9 1/8	7 7/8	9	8 7/8									5.0
3	36	48	1 3/8	1/2	5/8	10	5	7	5 1/4	4 1/2	6 1/4	10	5 5/8	1/2	15 1/8	13 1/8	15	14 7/8									12.0
4																											
5																											

STANDARD SIGN
R10-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-7.5

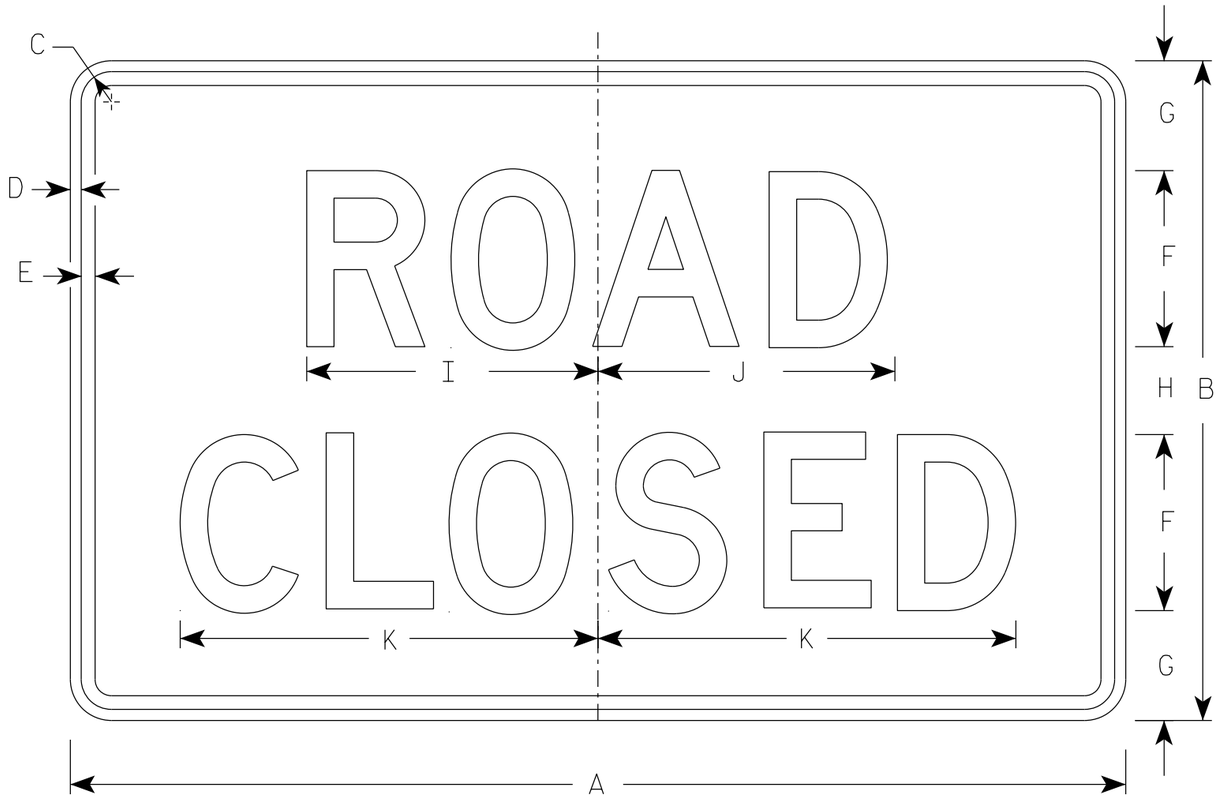
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 561	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R107.DGN PLOT DATE : 05-APR-2011 09:44 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.965868:1.000000

WISDOT/CADDS SHEET 42

7

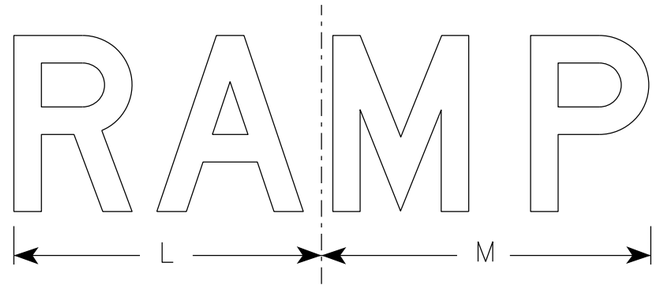
7



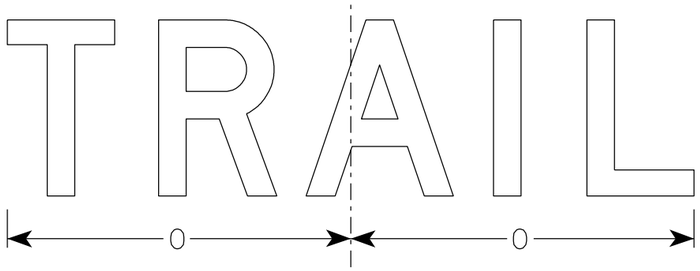
R11-2

NOTES

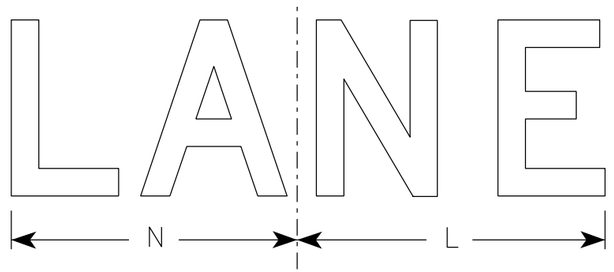
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

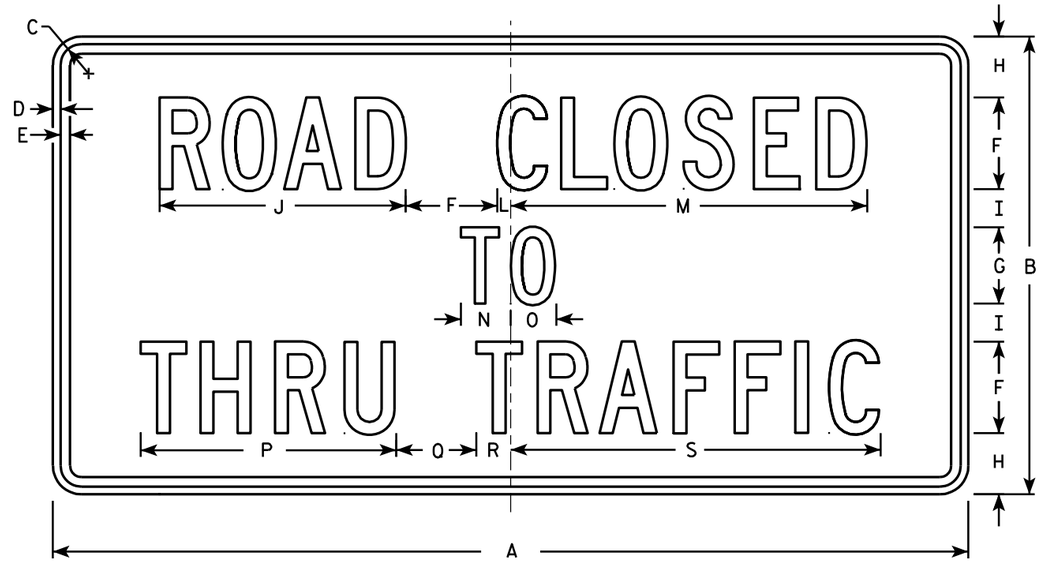
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 29-MAR 2021 8:15 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

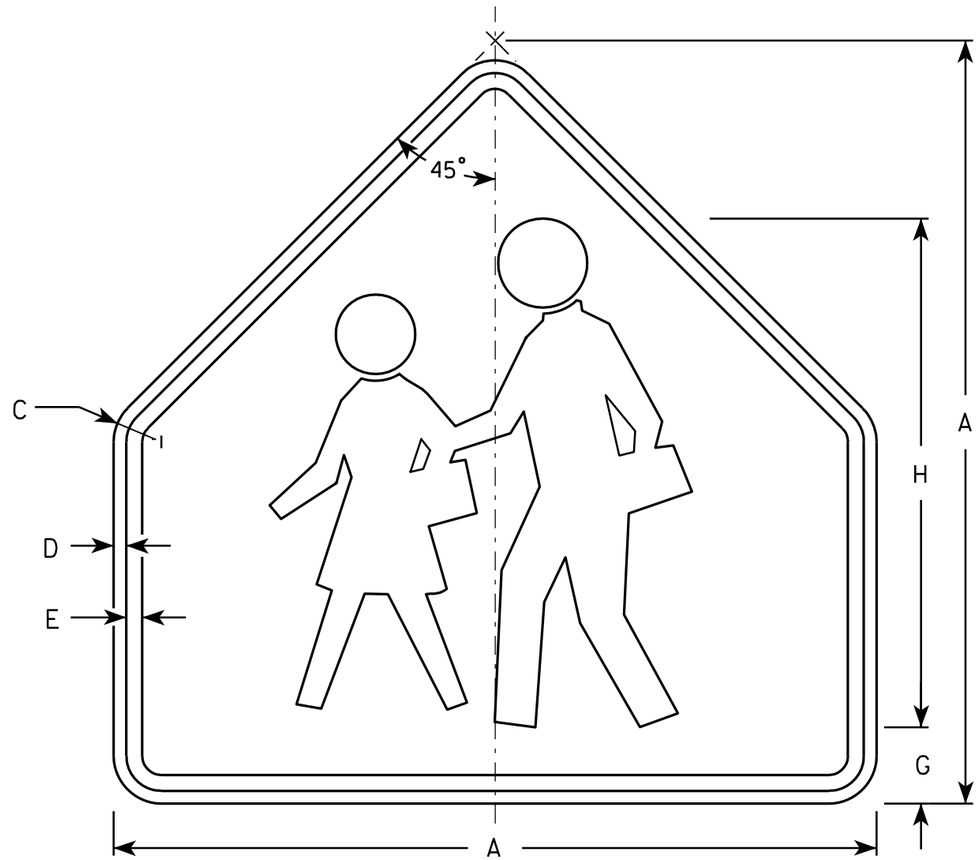
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 563 | E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

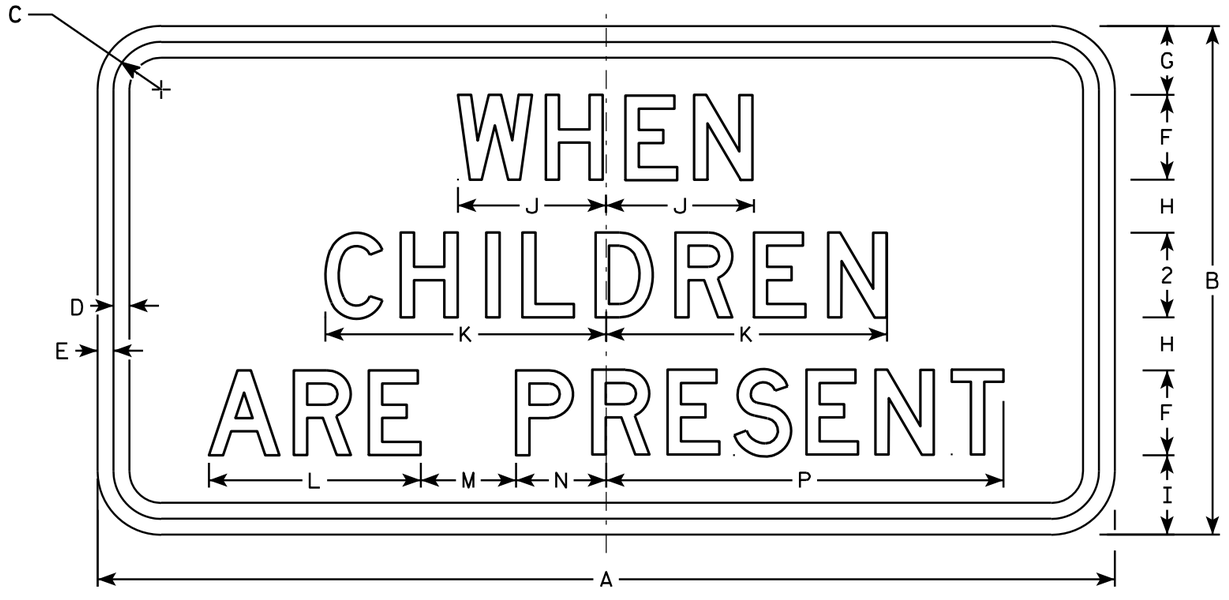
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 564	E

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



S4-2

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	2	1 5/8	1 1/4	1 7/8	3 1/2	6 5/8	5	2 1/4	2 1/8	9 3/8												2.0
3	36	18	1 1/8	1/2	3/8	3			2 7/8	5 7/8	10 5/8	8 1/8	3	4	15 1/8												4.5
4																											
5																											

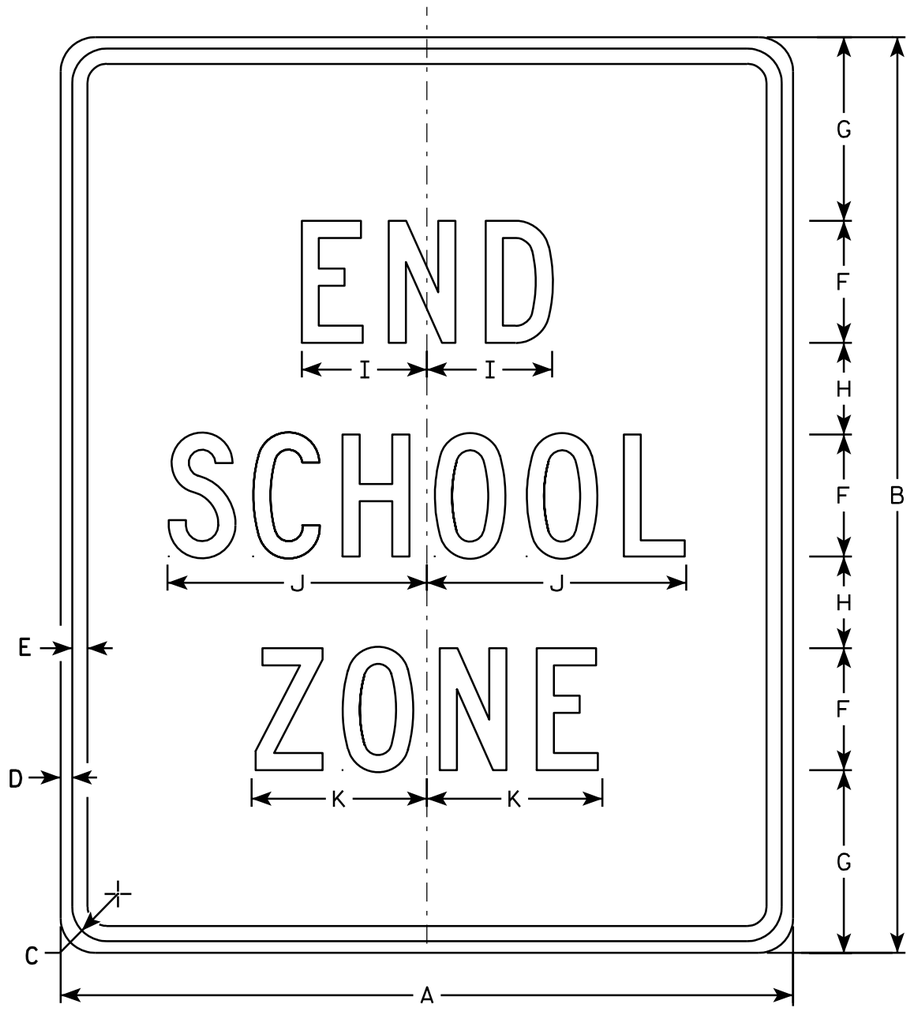
STANDARD SIGN
S4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/04/10 PLATE NO. S4-2.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 565	E



S5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 566 | E



W4-4P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
2M	24	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	8	1 1/2	3/8	10	6 1/4	2 1/4	2 1/4	6 1/4											2.0
3	36	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	10 3/4	2 3/8	3/8	13 1/2	8 3/8	3	3 1/8	8 3/8											3.75
4	42	18	1 1/8	3/8	1/2	5	3	2	13 3/8	3 1/8	3/8	16 7/8	10 1/2	3 5/8	3 7/8	10 3/8											5.25
5																											

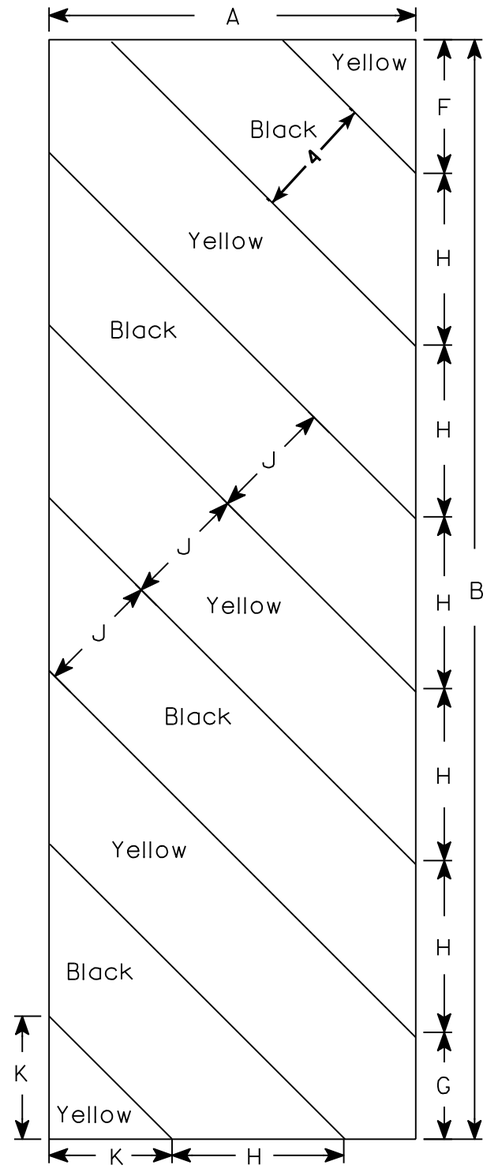
STANDARD SIGN
W4-4P

WISCONSIN DEPT OF TRANSPORTATION

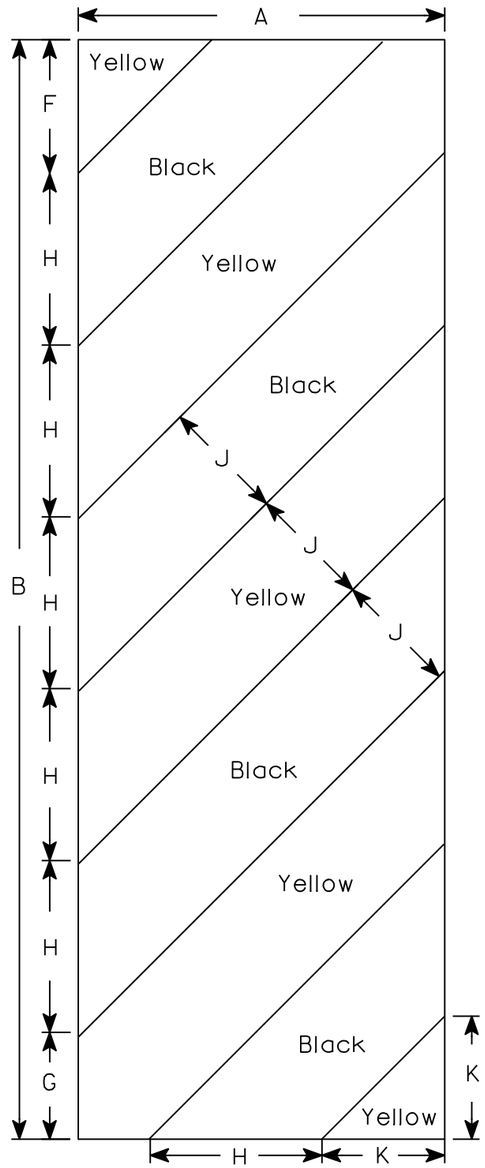
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4P.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 567	E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

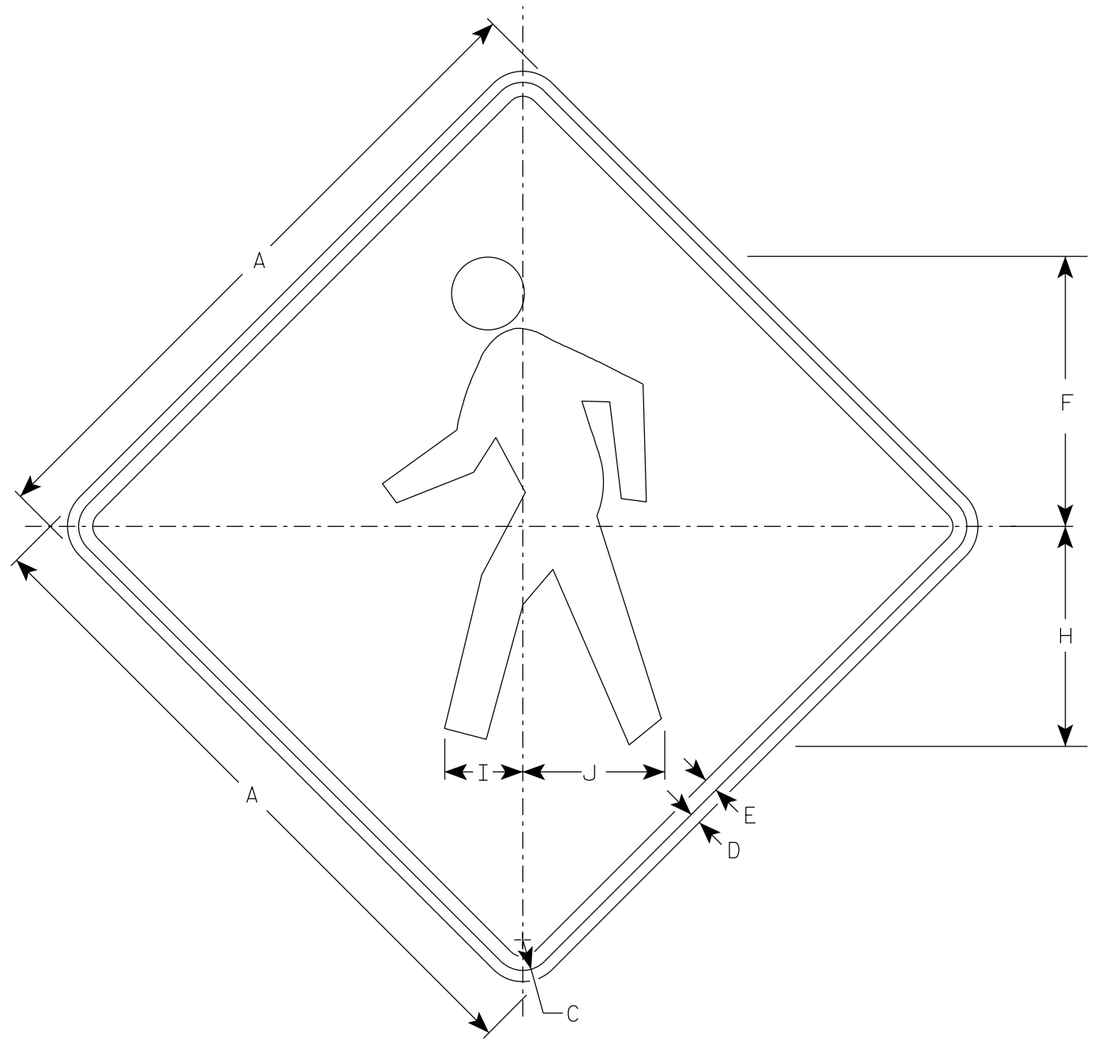
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 568 | E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

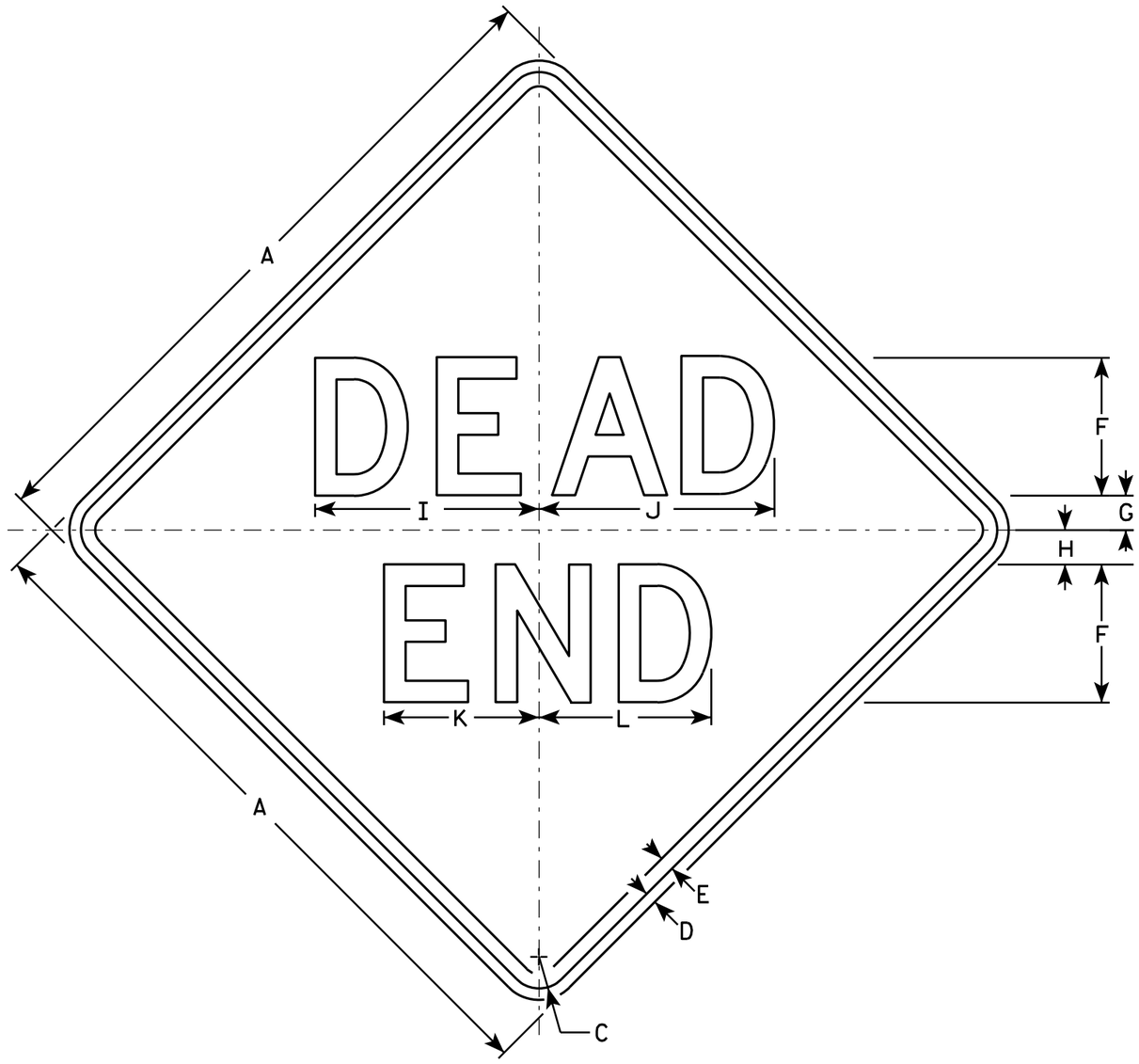
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 569 E



W14-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

STANDARD SIGN
W14-1

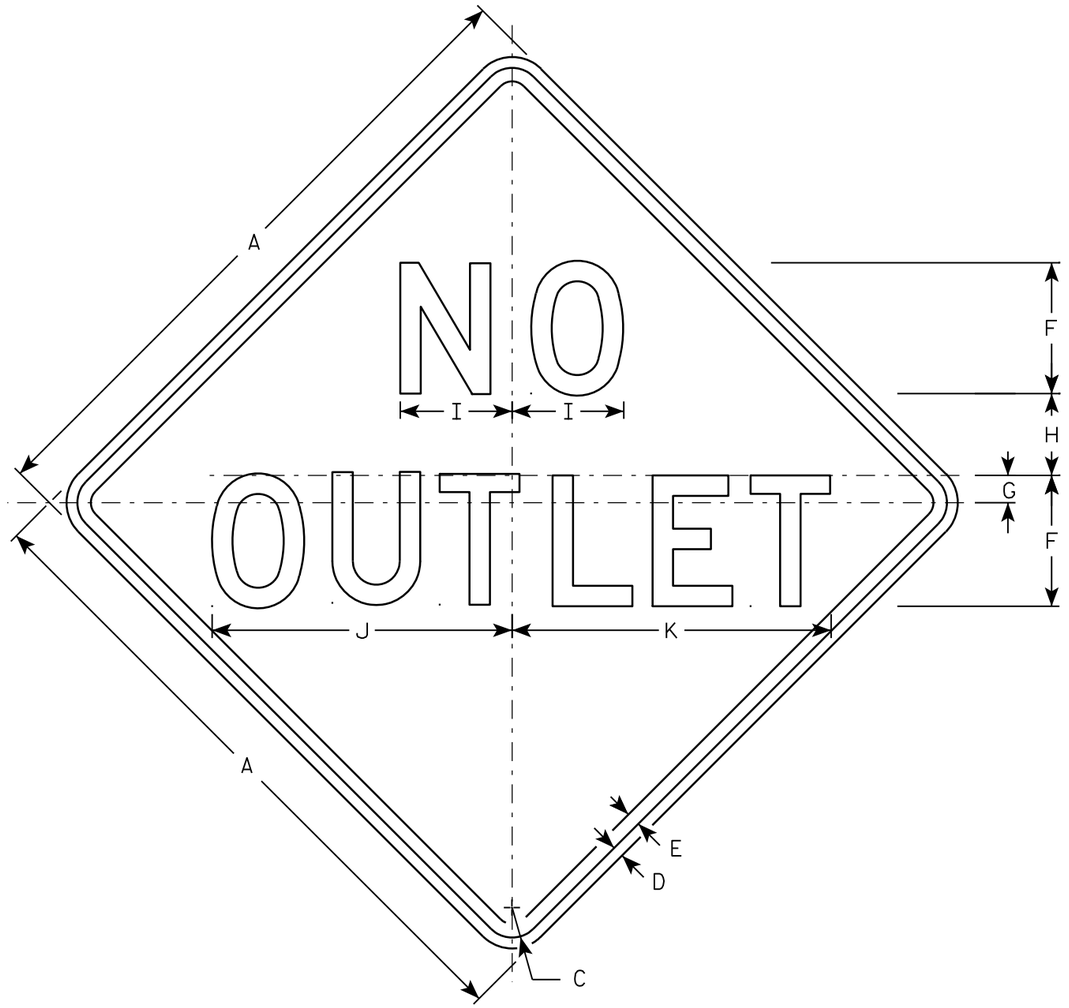
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 570	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W141.DGN PLOT DATE : 13-MAR-2013 13:30 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.202372:1.000000
WISDOT/CADDS SHEET 42



W14-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		1 5/8	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

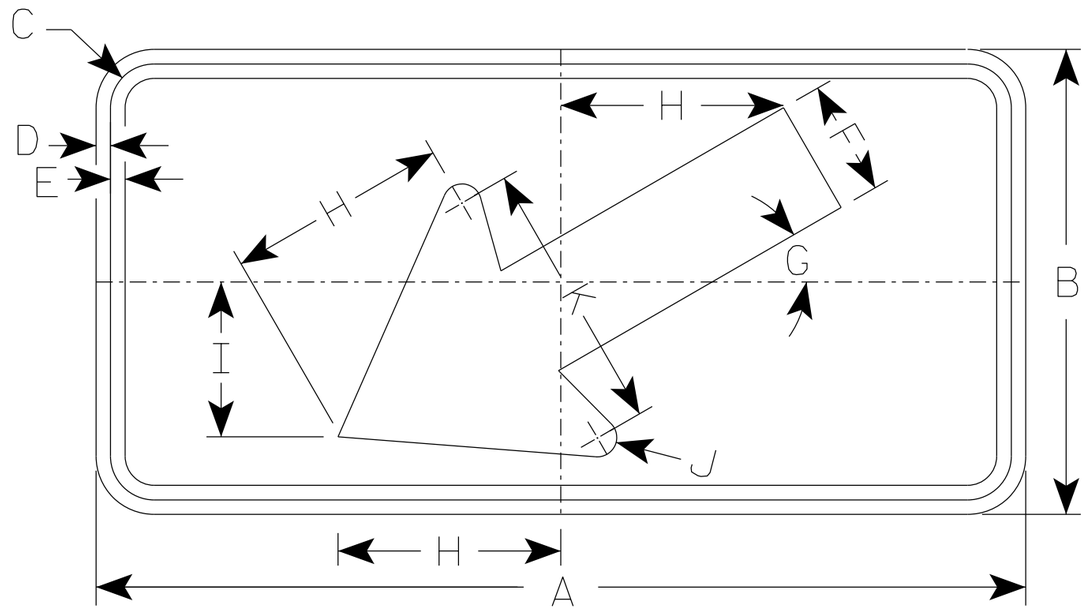
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-2.3

PROJECT NO:

SHEET NO: 571 E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

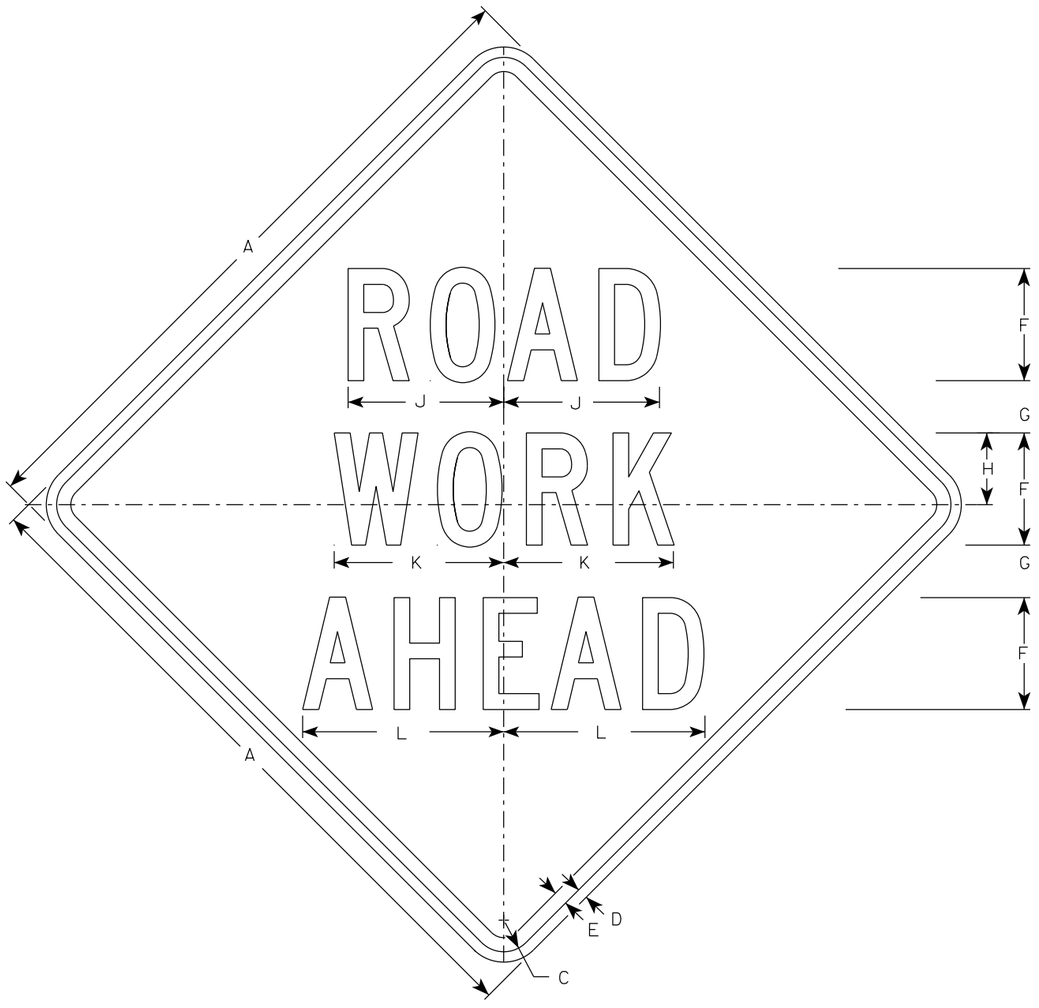
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W16-7.8

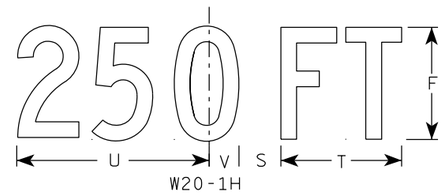
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 572 E

NOTES

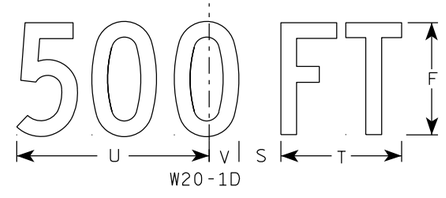
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



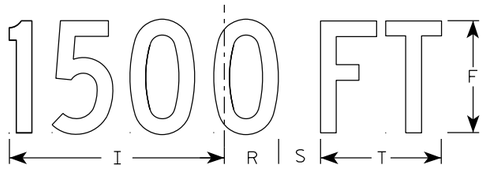
W20-1H



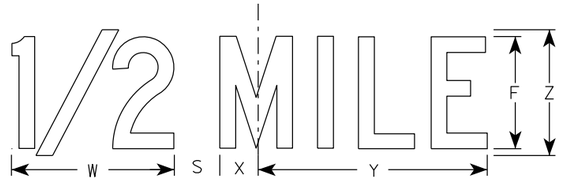
W20-1D



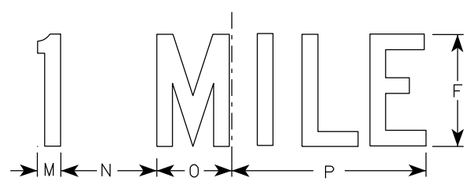
W20-1C



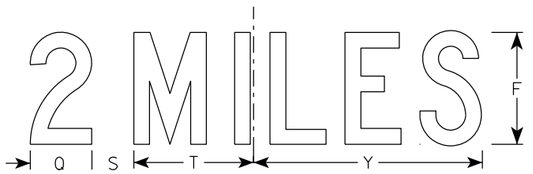
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

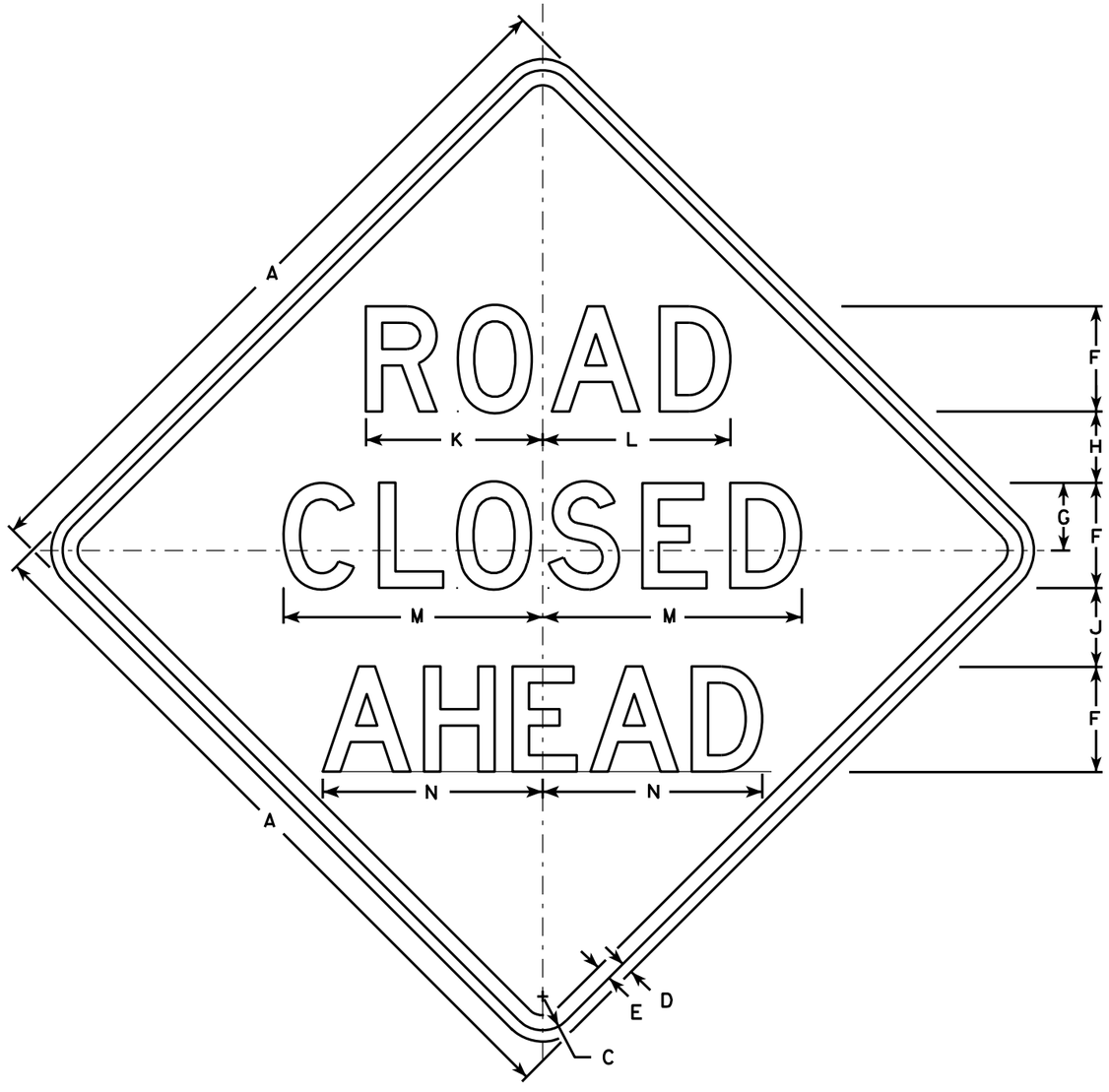
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

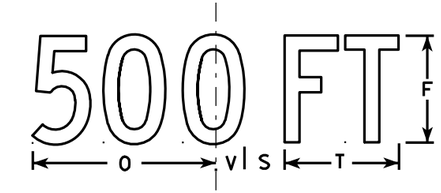
WISDOT/CADDS SHEET 42

7

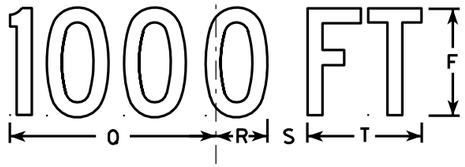
7



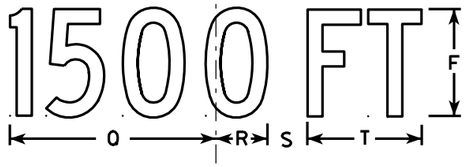
W20-3A



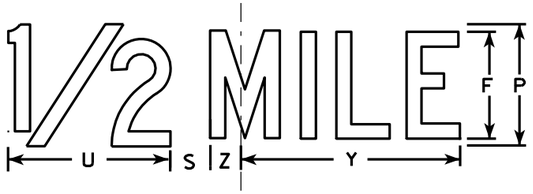
W20-3D



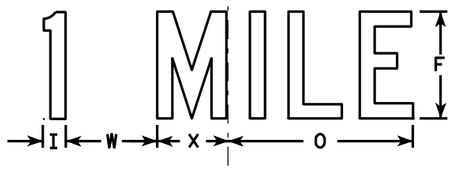
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

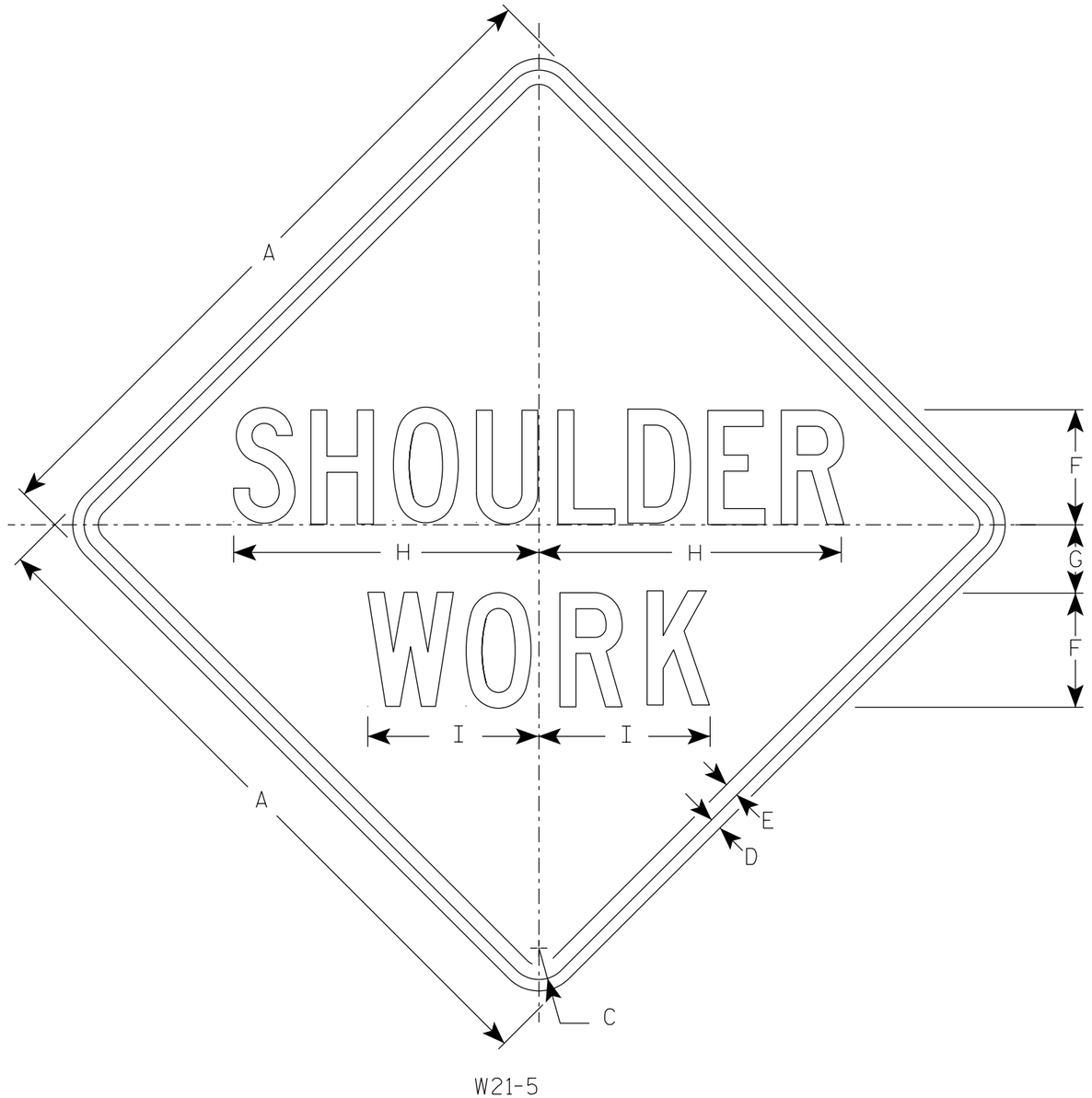
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 574 | E



W21-5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
2S	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

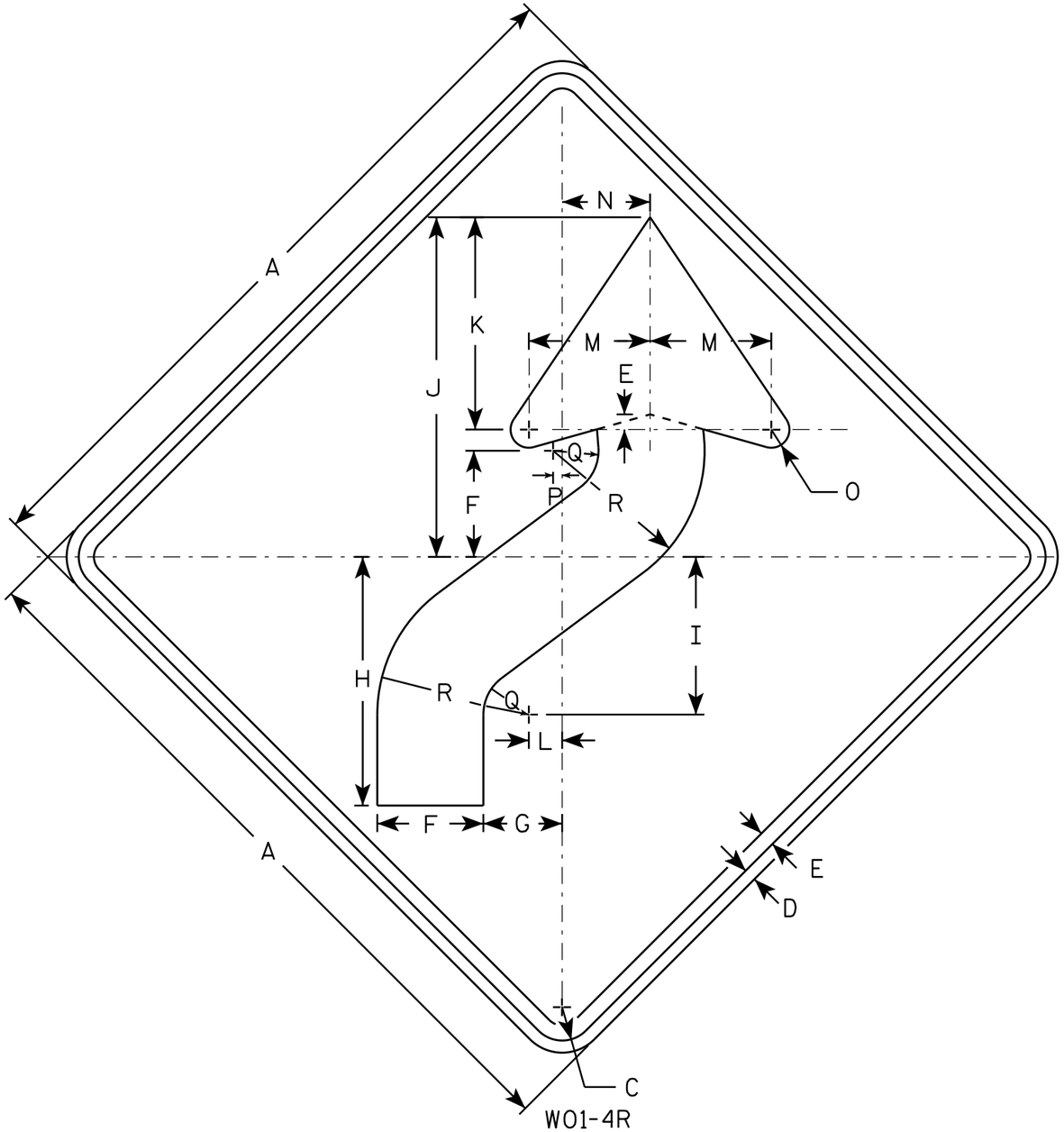
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/30/2020 PLATE NO. W21-5.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 575 E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

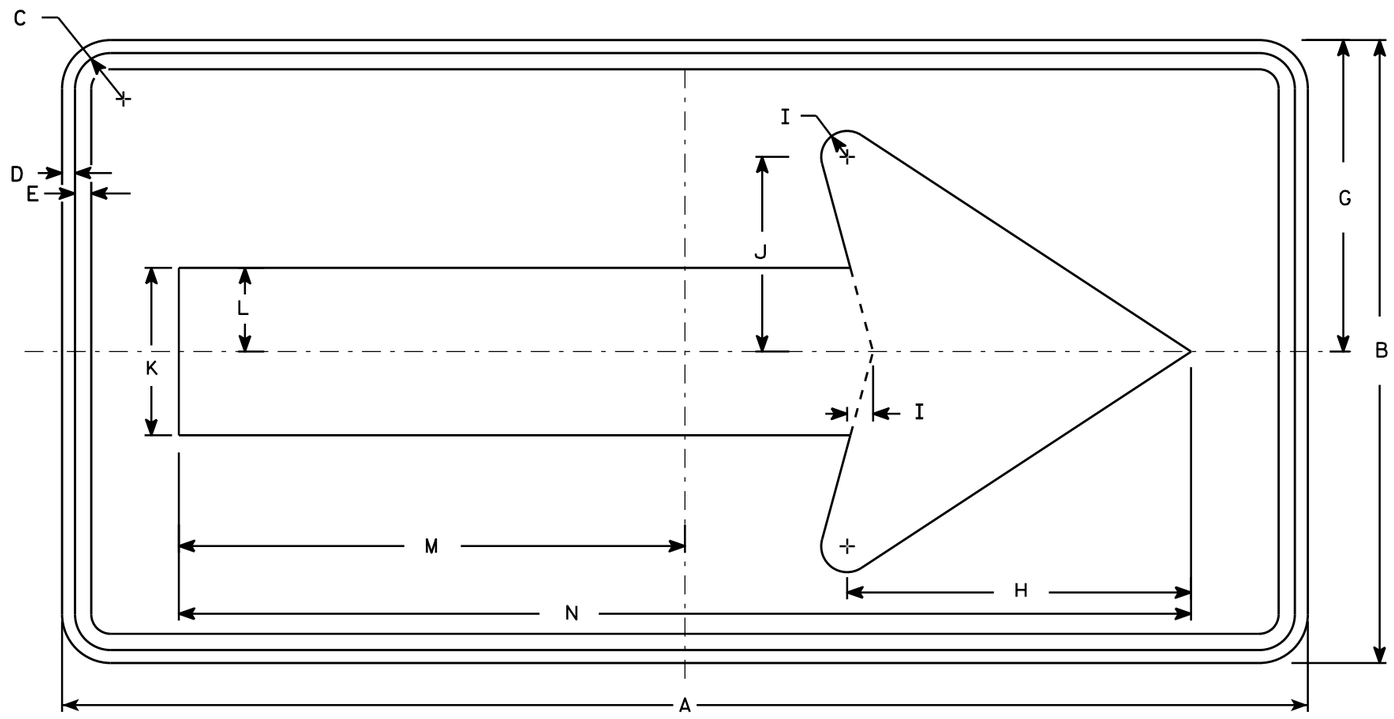
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

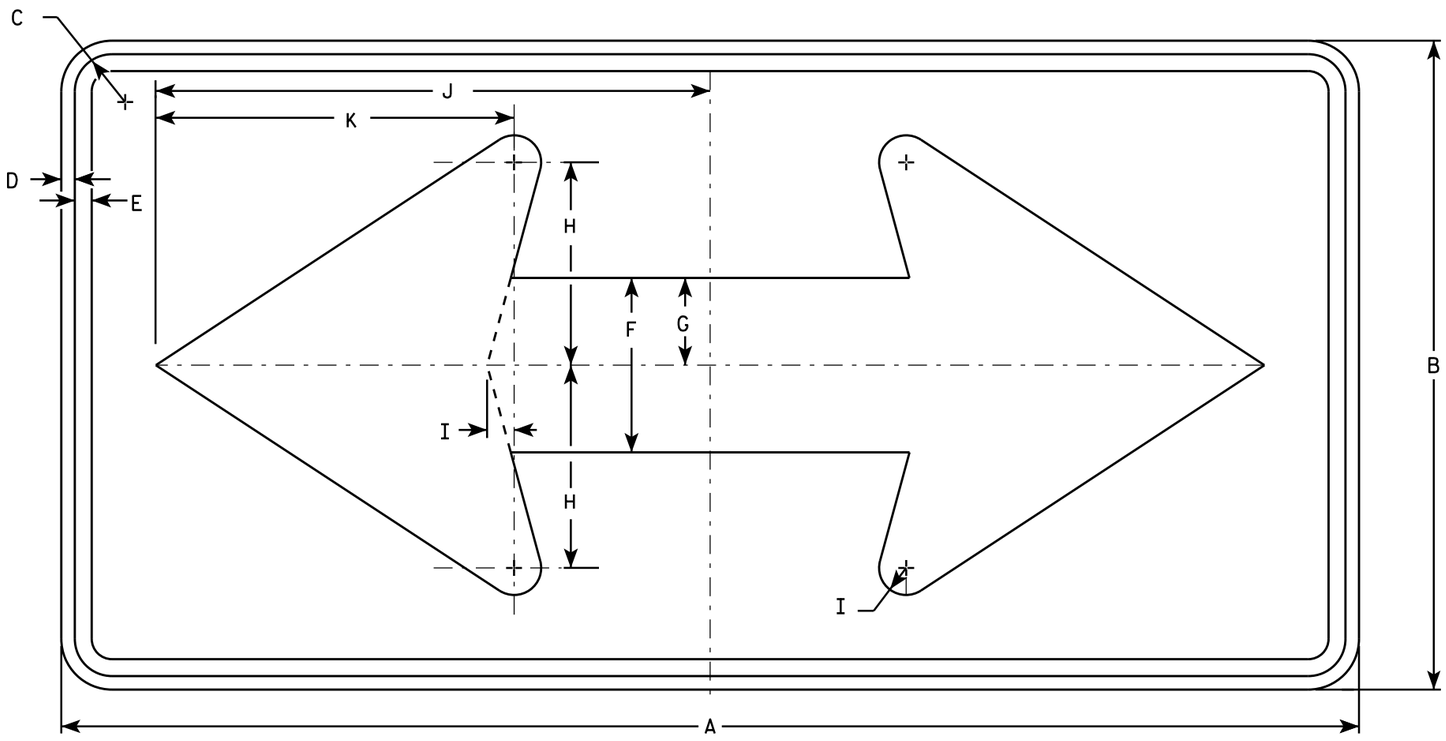
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W01-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1578 W01-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

HUMBOLDT BOULEVARD

CATEGORY	REFERENCE LINE STATION	EXCAVATION DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010	106+18 BA, AH		90			0					
		32		108	108		0	1.15	0	0	108
	106+50		92			0					
		50		189	297		0	1.15	0	0	297
	107+00		113			0					
		50		215	512		0	1.15	0	0	512
	107+50		119			0					
		50		199	711		1	1.15	1	1	710
	108+00		96			1					
		50		167	879		5	1.15	5	7	872
	108+50		85			4					
		50		79	957		4	1.15	4	11	946
	109+00		0			0					
		50		79	1,037		0	1.15	0	11	1,026
	109+50		86			0					
		50		167	1,204		1	1.15	1	12	1,192
	110+00		95			1					
		50		165	1,370		4	1.15	4	16	1,354
	110+50		84			3					
		50		152	1,522		6	1.15	7	23	1,499
	111+00		81			4					
		50		151	1,673		7	1.15	8	31	1,643
	111+50		82			4					
		50		161	1,834		5	1.15	5	36	1,798
	112+00		91			1					
		50		162	1,995		1	1.15	2	38	1,958
	112+50		83			0					
		50		77	2,073		0	1.15	0	38	2,035
	113+00		0			0					
		50		63	2,135		2	1.15	2	40	2,096
	113+50		68			2					
		50		130	2,265		3	1.15	4	43	2,222
	114+00		73			2					
		50		143	2,408		4	1.15	4	48	2,361
	114+50		82			2					
		50		168	2,577		2	1.15	2	50	2,527
	115+00		100			0					
		50		183	2,760		0	1.15	0	50	2,710
	115+50		98			0					
		50		184	2,944		0	1.15	0	50	2,895
	116+00		101			0					
		50		195	3,139		0	1.15	0	50	3,089
	116+50		109			0					
		50		194	3,332		0	1.15	0	50	3,283
	117+00		100			0					
		50		168	3,500		1	1.15	1	51	3,449
	117+50		80			1					
		50		160	3,660		1	1.15	2	52	3,607
	118+00		92			0					
		50		164	3,824		1	1.15	1	53	3,771
	118+50		86			0					
		50		161	3,985		0	1.15	0	54	3,931
	119+00		88			0					
		50		152	4,137		0	1.15	0	54	4,083
	119+50		77			0					
		50		162	4,299		0	1.15	0	54	4,246
	120+00		99			0					
		50		180	4,479		0	1.15	0	54	4,425
	120+50		95			0					

CONT'D ON NEXT SHEET

HUMBOLDT BOULEVARD

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		168	4,647		0	1.15	0	54	4,593
	121+00		86			0					
		50		158	4,804		0	1.15	0	54	4,751
	121+50		85			0					
		50		161	4,965		0	1.15	0	54	4,911
	122+00		89			0					
		50		179	5,144		0	1.15	0	54	5,090
	122+50		104			0					
		50		206	5,350		0	1.15	0	54	5,296
	123+00		118			0					
		50		205	5,555		0	1.15	0	54	5,501
	123+50		103			0					
		50		186	5,740		0	1.15	0	54	5,686
	124+00		98			0					
		50		185	5,926		0	1.15	0	54	5,872
	124+50		102			0					
		50		194	6,120		0	1.15	0	54	6,066
	125+00		107			0					
		50		195	6,315		0	1.15	0	54	6,261
	125+50		103			0					
		50		161	6,476		0	1.15	0	54	6,422
	126+00		70			0					
		50		156	6,632		0	1.15	0	54	6,578
	126+50		98			0					
		50		186	6,818		0	1.15	0	54	6,764
	127+00		103			0					
		50		187	7,006		0	1.15	0	54	6,952
	127+50		99			0					
		50		186	7,191		0	1.15	0	54	7,137
	128+00		101			0					
		50		196	7,388		0	1.15	0	54	7,334
	128+50		111			0					
		50		203	7,591		0	1.15	0	54	7,537
	129+00		108			0					
		50		196	7,787		0	1.15	0	54	7,733
	129+50		103			0					
		50		191	7,978		0	1.15	0	54	7,924
	130+00		103			0					
		50		202	8,181		0	1.15	0	54	8,127
	130+50		115			0					
		50		230	8,411		0	1.15	0	54	8,357
	131+00		133			0					
		50		244	8,655		0	1.15	0	54	8,601
	131+50		130			0					
		50		220	8,875		0	1.15	0	54	8,821
	132+00		108			0					
		50		204	9,080		0	1.15	0	54	9,026
	132+50		113			0					
		50		192	9,272		0	1.15	0	54	9,218
	133+00		94			0					
		50		183	9,454		0	1.15	0	54	9,400
	133+50		103			0					
		50		195	9,649		0	1.15	0	54	9,595
	134+00		108			0					
		50		202	9,851		0	1.15	0	54	9,797
	134+50		110			0					
		50		210	10,060		0	1.15	0	54	10,006
	135+00		116			0					
		50		201	10,261		1	1.15	1	55	10,206
	135+50		100			1					

CONT'D ON NEXT SHEET

HUMBOLDT BOULEVARD

CATEGORY	REFERENCE LINE STATION	EXCAVATION DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		187	10,447		2	1.15	2	57	10,390
	136+00		101			1					
		50		179	10,626		3	1.15	4	61	10,565
	136+50		92			3					
		50		168	10,794		5	1.15	6	67	10,727
	137+00		89			3					
		50		168	10,962		5	1.15	6	73	10,889
	137+50		92			3					
		50		169	11,131		5	1.15	5	78	11,053
	138+00		91			2					
		50		165	11,297		5	1.15	6	84	11,213
	138+50		88			3					
		50		154	11,451		3	1.15	3	87	11,364
	139+00		78			0					
		50		167	11,618		0	1.15	0	87	11,531
	139+50		102			0					
		50		182	11,800		3	1.15	3	91	11,709
	140+00		94			3					
		50		179	11,979		4	1.15	4	95	11,883
	140+50		99			1					
		50		181	12,159		3	1.15	3	98	12,061
	141+00		96			2					
		50		172	12,332		4	1.15	5	103	12,229
	141+50		90			3					
		50		167	12,499		6	1.15	7	110	12,389
	142+00		91			4					
		50		171	12,670		6	1.15	7	117	12,554
	142+50		94			2					
		50		168	12,838		6	1.15	7	123	12,715
	143+00		87			4					
		50		161	12,999		6	1.15	7	130	12,868
	143+50		87			3					
		50		186	13,185		3	1.15	4	134	13,050
	144+00		114			1					
		50		220	13,405		1	1.15	1	135	13,270
	144+50		124			0					
		50		208	13,613		0	1.15	0	135	13,477
	145+00		101			0					
		50		158	13,771		0	1.15	0	135	13,635
	145+50		70			0					
		50		131	13,901		0	1.15	0	135	13,766
	146+00		72			0					
		50		149	14,051		1	1.15	1	136	13,915
	146+50		90			1					
		50		179	14,230		8	1.15	9	145	14,086
	147+00		104			8					
		50		206	14,436		7	1.15	8	153	14,283
	147+50		118			0					
		50		210	14,646		1	1.15	1	154	14,492
	148+00		108			1					
		50		187	14,832		1	1.15	1	154	14,678
	148+50		94			0					
		50		169	15,002		1	1.15	2	156	14,846
	149+00		89			1					
		50		168	15,170		1	1.15	1	157	15,012
	149+50		92			0					
		50		175	15,344		0	1.15	0	157	15,187
	150+00		96			0					
		50		172	15,516		0	1.15	0	158	15,358
	150+50		89			0					

CONT'D ON NEXT SHEET

HUMBOLDT BOULEVARD

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		162	15,678		1	1.15	1	158	15,520
	151+00		87			1					
		50		155	15,834		3	1.15	3	161	15,672
	151+50		81			2					
		50		151	15,985		2	1.15	3	164	15,821
	152+00		82			0					
		50		160	16,145		0	1.15	0	164	15,980
	152+50		90			0					
		50		164	16,309		0	1.15	0	165	16,144
	153+00		87			0					
		50		174	16,483		0	1.15	0	165	16,318
	153+50		101			0					
		50		185	16,669		0	1.15	0	165	16,504
	154+00		99			0					
		50		181	16,849		0	1.15	0	165	16,684
	154+50		96			0					
		50		178	17,027		0	1.15	1	166	16,861
	155+00		96			0					
		50		171	17,198		0	1.15	0	166	17,032
	155+50		89			0					
		50		172	17,370		0	1.15	0	166	17,203
	156+00		97			0					
		50		181	17,551		0	1.15	0	166	17,384
	156+50		99			0					
		50		181	17,732		0	1.15	0	166	17,566
	157+00		97			0					
		50		190	17,922		0	1.15	0	166	17,755
	157+50		108			0					
		50		200	18,121		0	1.15	0	166	17,955
	158+00		107			0					
		50		199	18,320		0	1.15	0	166	18,154
	158+50		108			0					
		50		185	18,505		0	1.15	0	166	18,338
	159+00		92			0					
		50		85	18,589		0	1.15	0	166	18,423
	159+50		0			0					
		50		95	18,684		0	1.15	0	166	18,518
	160+00		102			0					
		50		189	18,873		0	1.15	0	166	18,707
	160+50		102			0					
		50		183	19,057		0	1.15	0	166	18,890
	161+00		96			0					
		50		180	19,237		0	1.15	0	167	19,070
	161+50		99			0					
		50		179	19,415		0	1.15	0	167	19,249
	162+00		94			0					
		50		170	19,586		0	1.15	0	167	19,419
	162+50		90			0					
		50		170	19,755		0	1.15	0	167	19,588
	163+00		93			0					
		50		170	19,925		0	1.15	0	167	19,758
	163+50		91			0					
		50		170	20,095		1	1.15	1	168	19,927
	164+00		93			1					
		50		174	20,269		1	1.15	1	169	20,100
	164+50		95			0					
		50		174	20,443		0	1.15	0	169	20,274
	165+00		93			0					
		50		153	20,596		0	1.15	0	169	20,427
	165+50		73			0					

CONT'D ON NEXT SHEET

HUMBOLDT BOULEVARD

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		149	20,745		0	1.15	0	169	20,576
	166+00		89			0					
		50		160	20,905		1	1.15	1	170	20,735
	166+50		84			1					
		50		163	21,068		0	1.15	1	170	20,898
	167+00		92			0					
		50		173	21,242		0	1.15	0	170	21,071
	167+50		95			0					
		50		175	21,416		0	1.15	0	170	21,246
	168+00		94			0					
		50		173	21,589		0	1.15	0	170	21,419
	168+50		93			0					
		50		175	21,763		0	1.15	0	170	21,593
	169+00		96			0					
		50		174	21,937		0	1.15	0	170	21,767
	169+50		92			0					
		50		167	22,104		0	1.15	0	171	21,934
	170+00		89			0					
		50		164	22,268		0	1.15	0	171	22,097
	170+50		88			0					
		50		160	22,428		0	1.15	0	171	22,257
	171+00		85			0					
		50		154	22,583		0	1.15	0	172	22,411
	171+50		82			0					
		50		168	22,751		0	1.15	0	172	22,579
	172+00		100			0					
		50		188	22,938		0	1.15	0	172	22,766
	172+50		103			0					
		50		196	23,135		0	1.15	0	172	22,962
	173+00		109			0					
		50		194	23,329		0	1.15	0	172	23,157
	173+50		101			0					
		50		187	23,516		0	1.15	0	172	23,344
	174+00		101			0					
		50		173	23,689		0	1.15	0	172	23,517
	174+50		87			0					
		50		165	23,855		0	1.15	0	173	23,682
	175+00		92			0					
		50		172	24,027		0	1.15	0	173	23,854
	175+50		94			0					
		50		171	24,197		0	1.15	0	173	24,025
	176+00		91			0					
		50		169	24,366		0	1.15	0	173	24,193
	176+50		91			0					
		50		161	24,527		0	1.15	0	173	24,354
	177+00		83			0					
		50		129	24,655		4	1.15	5	178	24,478
	177+50		56			4					
		50		137	24,792		4	1.15	5	182	24,610
	178+00		92			0					
		50		171	24,963		0	1.15	0	182	24,781
	178+50		93			0					
		50		178	25,141		0	1.15	0	182	24,959
	179+00		100			0					
		50		181	25,322		0	1.15	0	182	25,140
	179+50		96			0					
		50		177	25,499		0	1.15	0	182	25,317
	180+00		95			0					
		50		171	25,670		0	1.15	0	182	25,488
	180+50		91			0					

CONT'D ON NEXT SHEET

HUMBOLDT BOULEVARD

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010		50		167	25,838		0	1.15	0	183	25,655
	181+00		90			0					
		50		169	26,007		0	1.15	0	183	25,824
	181+50		93			0					
		50		171	26,178		0	1.15	0	183	25,995
	182+00		92			0					
		50		174	26,352		0	1.15	0	183	26,169
	182+50		96			0					
		50		180	26,532		0	1.15	0	183	26,349
	183+00		98			0					
		50		186	26,718		0	1.15	0	183	26,535
	183+50		103			0					
		50		198	26,916		0	1.15	0	183	26,733
	184+00		110			0					
		50		186	27,102		0	1.15	0	183	26,918
	184+50		90			0					
		50		129	27,231		0	1.15	0	183	27,048
	185+00		49			0					
		50		103	27,334		0	1.15	0	183	27,151
	185+50		62			0					
		50		160	27,494		0	1.15	0	183	27,311
	186+00		111			0					
		14		41	27,536		0	1.15	0	183	27,352
	186+14		49			0					
	TOTALS				27,536		158			183	27,352

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PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EARTHWORK	SHEET: E

FILE NAME : PLOT DATE: 10/20/2021 2:44:35 PM PLOT BY : PLOT NAME : ORG DATE : ORIGINATOR : PLOT SCALE : N/A

LOCUST STREET

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010	7+70 BA, AH		51			0					
		30		56	56		0	1.15	0	0	56
	8+00		50			0					
		50		100	156		0	1.15	0	0	155
	8+50		58			0					
		50		99	255		1	1.15	1	2	253
	9+00		49			1					
		50		84	338		1	1.15	1	2	336
	9+50		41			0					
		---		---	---		---	---	---	---	---
	10+50		54			0					
		50		121	460		1	1.15	1	4	456
	11+00		77			1					
		50		138	598		2	1.15	2	6	592
	11+50		73			1					
		50		135	733		2	1.15	2	8	725
	12+00		73			1					
		25		67	799		0	1.15	1	8	791
	12+25		71			0					
	TOTALS				799		7			8	791

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PROJECT NO: 2667-03-71	HWY: N. HUMBOLDT BLVD.	COUNTY: MILWAUKEE	EARTHWORK	SHEET: E

FILE NAME : PLOT DATE: 10/20/2021 2:44:35 PM PLOT BY : PLOT NAME : ORG DATE : ORIGINATOR : PLOT SCALE : N/A

Wisconsin Department of Transportation

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