



Wisconsin Department of Transportation

September 1, 2017

Division of Transportation Systems Development

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
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Madison, WI 53707-7916

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NOTICE TO ALL CONTRACTORS:

Proposal #05: 2040-11-70, WISC 2017 452
108th Street (Hales Corners)
College Avenue – Edgerton Avenue
USH 45
Milwaukee County

Letting of September 12, 2017

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
6	Utilities
90	Transporting and Installing State Furnished Video Detection, Intersections, College Avenue, Item SPV.0105.032, Forest Home Avenue, Item SPV.0105.033, IH43 NB Ramps, Item SPV.0105.034, Abbott Avenue, Item SPV.0105.046

Added Special Provisions	
Article No.	Description
98	Removing Existing Flasher Assembly, Item 204.9060.S.002.
99	Install Fiber Optic Communications in Cabinet College Avenue, Item SPV.0105.047; Forest Home Avenue, Item SPV.0105.048; Janesville Road, Item SPV.0105.049; Parnell Avenue, Item SPV.0105.050; Grange Avenue, Item SPV.0105.051; Abbott Avenue, Item SPV.0105.052; Edgerton Avenue, Item SPV.0105.053; IH-43 NB Ramps, SPV.0105.054
100	8-CT Fiber Optic Connector 800-FT, Item SPV.0060.026
101	Geotextile Type SR

Deleted Special Provisions	
Article No.	Description
68	8-Count Fiber Optic Connector 200-FT, Item SPV.0060.011
69	8-Count Fiber Optic Connector 400-FT, Item SPV.0060.012

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.0195	Removing Concrete Bases	Each	204	4	208
450.4000	HMA Cold Weather Paving	Ton	1,354	-46	1,308
455.0605	Tack Coat	Gal	16,320	-82	16,238
460.6223	HMA Pavement 3 MT 58-28 S	Ton	33,412	76	33,488
460.6424	HMA Pavement 4 MT 58-28 H	Ton	14,971	-61	14,910
628.2006	Erosion Mat Urban Class I Type A	SY	18,674	-2,578	16,096
634.0618	Posts Wood 4"x6"x22'	Each	293	2	295
637.2230	Signs Type II Reflective F	SF	772,250	16,500	788,750
652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	20,303	757	21,060
652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	16,367	13	16,380
652.0700.S	Install Conduit into Existing Item	Each	7	3	10
652.0800	Conduit Loop Detector	LF	14,754	-80	14,674
653.0135	Pull Boxes Steel 24 x 36 - Inch	Each	57	3	60
653.0140	Pull Boxes Steel 24x42 Inch	Each	124	2	126
653.0905	Removing Pull Boxes	Each	72	3	75
654.0101	Concrete Bases Type 1	Each	57	2	59
654.0102	Concrete Bases Type 2	Each	12	2	14
654.0105	Concrete Bases Type 5	Each	67	7	68
655.0230	Cable Traffic Signal 5 - 14 AWG	LF	6,842	3,484	10,326
655.0240	Cable Traffic Signal 7 - 14 AWG	LF	12,020	320	12,340
655.0260	Cable Traffic Signal 12 - 14 AWG	LF	13,408	96	13,504
655.0320	Cable Type UF 2-10 AWG Grounded	LF	5,656	-160	5,496
655.0515	Electric Wire Traffic Signals 10 AWG	LF	14,323	1,729	16,052
655.0610	Electrical Wire Lighting 12 AWG	LF	37,437	127	37,564
655.0700	Loop Detector Lead in Cable	LF	53,842	-47	53,795
655.0800	Loop Detector Wire	LF	57,818	-526	57,292
655.0900	Traffic Signal EVP Detector Cable	LF	7,998	53	8,051
657.0100	Pedestal Bases	Each	55	7	62
657.0255	Transformer Baes Breakaway 11 1/2-Inch Bolt Circle	Each	21	-1	20
657.0310	Poles Type 3	Each	12	-2	10
657.0322	Pole Type 5-Aluminum	Each	9	1	10
657.0420	Traffic Signal Standards Aluminum 13 - FT	Each	18	3	21
657.0425	Traffic Signal Standards Aluminum 15 - FT	Each	12	2	14
657.0430	Traffic Signal Standards Aluminum 10-FT	Each	22	2	24
657.1520	Install Monotube Arms 20-FT	Each	1	1	2
657.1525	Install Monotube Arms 25-FT	Each	3	-1	2
657.1535	Install Monotube Arms 35-FT	Each	1	1	2
657.1550	Install Monotube Arms 50-FT	Each	8	-1	7
658.0605	LED Modules 12-Inch Yellow Ball	Each	109	3	112
675.0400.S	Install Ethernet Switch	Each	9	-7	2
SPV.0060.025	Relocate Signal Assembly Advance Flasher Unit	Rach	2	-1	1

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.9060.S.002	Removing Existing Flasher Assembly	Each	0	2	2

611.0420	Reconstructing Manholes	Each	0	1	1
616.0206	Fence Chain Link 6-FT	LF	0	1,182	1,182
653.0900	Adjusting Pull Boxes	Each	0	1	1
658.0210	Backplate Signal Face 1 Section 12-inch	Each	0	3	3
659.1125	Luminaires Utility LED C	Each	0	62	62
676.0305	Signal Assembly Advanced Flasher Type 2	Each	0	1	1
678.0500	Communication System Testing	LS	0	1	1
SPV.0060.026	8-CT Fiber Optic Connector 800-FT	Each	0	1	1
SPV.0105.047	Install Fiber Optic Communications in Cabinet College Avenue	LS	0	1	1
SPV.0105.048	Install Fiber Optic Communications in Cabinet Forest Home Avenue	LS	0	1	1
SPV.0105.049	Install Fiber Optic Communications in Cabinet Janesville Road	LS	0	1	1
SPV.0105.050	Install Fiber Optic Communications in Cabinet Parnell Avenue	LS	0	1	1
SPV.0105.051	Install Fiber Optic Communications in Cabinet Grange Avenue	LS	0	1	1
SPV.0105.052	Install Fiber Optic Communications in Cabinet Abbott Avenue	LS	0	1	1
SPV.0105.053	Install Fiber Optic Communications in Cabinet Edgerton Avenue	LS	0	1	1
SPV.0105.054	Install Fiber Optic Communications in Cabinet IH-43 Ramps	LS	0	1	1

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
616.0208	Fence Chain Link 8-FT	LF	1,182	-1,182	0
SPV.0060.011	8-Count Fiber Optic Connector 200-FT	Each	7	-7	0
SPV.0060.012	8-Count Fiber Optic Connector 400-FT	Each	1	-1	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
17	Typical Section, Terrace dimension was revised.
83 - 89	Plan Details, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised and additional points were added on data table.
131 - 134	Curb Ramp Detail - Abbott Avenue, curb ramp layout and data point information were revised.
149 - 152	Paving Grades, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
170 - 171	Erosion Control, EMAT Urban Class I Type A was added in missing areas and revised from Grange Avenue to Station 1044+21 RT.
176 - 178	Erosion Control, EMAT Urban Class I Type A was added in missing areas and revised from Grange Avenue to Station 1044+21 RT.
180 - 182	Erosion Control, EMAT Urban Class I Type A was added in missing areas and revised from Grange Avenue to Station 1044+21 RT.
184	Erosion Control, EMAT Urban Class I Type A was added in missing areas and revised from Grange Avenue to Station 1044+21 RT.
200 - 203	Storm Sewer, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.

232 – 235	Streetscaping Plan, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
291	Permanent Signing Plan, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
293 – 296	Permanent Signing Plan, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
301	Permanent Signing Plan, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised. Additional signs also added.
322 – 325	Lighting Plan, sidewalk layout on east side of STH 100, curb ramp from Grange Avenue to Sta. 1044+21 RT was revised. Location of streetlight mounted on signal poles was revised.
327	Lighting Plan, Call out and conduit for Signal Assembly Advanced Flasher was added.
328	Lighting Plan, Call outs for conduits were added, Advanced Flasher layout was revised. Replace entire sheet.
387	Traffic Signal Plan, signal base, signal cabinet, and street light locations were revised. Replace the entire sheet.
388	Traffic Signal Plan, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
389	Sequence of Operations
400	Traffic Signal Removal Plan, matchline C-C was added.
401	Traffic Signal Removal Plan, pull box and signal base information north of matchline C-C were added.
402	Traffic Signal Plan, matchline D-D was added.
403	Traffic Signal Plan, pull box and signal base information north of matchline D-D were added.
404	Sequence of Operations
405	Cable Routing, SB 15, 16, and 17 were added on cable routing table.
411 – 418	Traffic Signal Interconnect Plan, Signal No. S40-1449 was changed to S40-1448, fiber optic splice number was changed to 8, callouts were revise.
419 – 428	Pavement Marking, call out for item no. 8 was changed to "Pavement Marking Grooved Preformed Thermoplastic Crosswalk 24-Inch".
429 – 431	Pavement Marking, call out for item no. 8 was changed to "Pavement Marking Grooved Preformed Thermoplastic Crosswalk 24-Inch" and sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
432 – 437	Pavement Marking, call out for item no. 8 was changed to "Pavement Marking Grooved Preformed Thermoplastic Crosswalk 24-Inch".
438	Pavement Marking, call out for item no. 8 was changed to "Grooved Preformed Thermoplastic Crosswalk 24-Inch", curb ramp design was revised at SW and NW quadrants of Abbott Avenue, and sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
439 – 444	Pavement Marking, call out for item no. 8 was changed to "Grooved Preformed Thermoplastic Crosswalk 24-Inch".
511 – 514	Traffic Control - Stage 2, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
531	Traffic Control - Stage 2A, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
542	Traffic Control - Stage 2B, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
545 – 546	Traffic Control - Stage 2C, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
559 – 562	Traffic Control - Stage 3, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
580	Traffic Control - Stage 3A, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
602 – 605	Traffic Control - Stage 4, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.

619	Traffic Control - Stage 4A, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised.
633	Fencing Plan, Fence Chain Link 8-Foot was replaced with 6-Foot.
667	Miscellaneous Quantities, quantities for bid items 460.6223, 460.6424, 455.0605, and 450.0400 were revised.
687	Miscellaneous Quantities, quantity for bid item 611.0420 was added, bid item 616.0208 was replaced with 616.0206.
689	Miscellaneous Quantities, quantity for bid item 628.2006 was revised.
706	Permanent Signing Quantities, 1 Post Woods 4"x6"x18' was added and remarks were revised.
707	Permanent Signing Quantities, quantities for bid items 637.0618 and 637.2230 and remarks for some items were revised.
725	Miscellaneous Quantities, quantity for bid item 652.0700.S was revised. Quantity for bid item 653.0900 was added.
749	Miscellaneous Quantities, quantities for bid items 652.0225, 652.0235, 652.0800, 652.0700, 652.0800, 654.0102 were revised. Quantity for bid item 654.0105 was added.
750	Miscellaneous Quantities, quantities for bid items 655.0230, 655.0240, 655.0260, 655.0515, 655.0900, and 655.0320 were revised.
751	Miscellaneous Quantities, quantities for bid items 657.0100, 657.0255, 657.0430, 657.1525, 657.1550, 659.1125 were revised. Quantities for bid items 657.0322, 657.0425, 657.1520, and 657.1535 were added.
753	Miscellaneous Quantities, quantities for bid items 204.0195 and 652.0225 were revised.
754	Miscellaneous Quantities, quantities for bid items 653.0135, 653.0905, 654.0101, and 655.0230 were revised.
755	Miscellaneous Quantities, quantities for bid items 655.0515 and 657.0100 were revised and 657.0420 was added.
756	Miscellaneous Quantities, quantity for bid items 658.0210 was added and 658.0605 was revised.
762	Miscellaneous Quantities, quantity for bid item 652.0225 was revised. Quantity for bid item 678.0500 was added.
763	Miscellaneous Quantities, multiple bid items were deleted, added, and revised
771	Miscellaneous Quantities, "Signal Assembly Advance Flasher**" table was moved to sheet 772.
772	Miscellaneous Quantities, SPV.0090.001, 652.0225, 655.0230, 652.0700.S, 653.0140, 204.9060.002, and 676.0305 were added. Other quantities were revised.
793	Plan and Profile, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised. "Flasher Assembly Conduit and Cable" table was added.
795	Plan and Profile, sidewalk layout on east side of STH 100 from Grange Avenue to Sta. 1044+21 RT was revised. "Flasher Assembly Conduit and Cable" table was added.
1159-1162	Cross Sections: Mainline, terrace width was revised.
1166-1169	Cross Sections: Mainline, terrace width was revised.
1171-1172	Cross Sections: Mainline, terrace width was revised.
1174-1178	Cross Sections: Mainline, terrace width was revised.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

2040-11-70

September 1, 2017

Special Provisions

6. Utilities.

*Replace entire section titled **AT&T Wisconsin** with the following:*

AT&T Wisconsin has underground and overhead communication facilities parallel and cross STH 100 within the project limits.

Utility adjustments/relocations will be completed either prior to construction or during construction as noted below:

Stage 1

No conflicts identified

Stage 2

- Pedestal at 969+90 RT will need to be relocated to the east (to be completed prior to construction). A new copper cable will be placed from MH 3010 (972+75) in existing duct to new pedestal location east of existing pedestal at 969+90
- Fiber cable crossing STH 100 @ 972+70 RT/LT will be replaced prior to road construction. At time of storm sewer placement AT&T will support this fiber to accommodate the placement of the 66" SSPRC (to be completed during construction)
- Manhole @972+90 RT will need to have manhole entrance adjusted due to roadway expanding (currently sits in the grass terrace, plans show it will be in the curb line). Curb line to be adjusted slightly in the field (to be completed during construction)
- Pedestal at 973+50 RT will be relocated to the north (to be completed prior to construction)
- Pedestal @ 976+75 RT will be removed and the cable buried (to be completed prior to construction)
- Manhole @ 979+50 RT will need frame/cover adjustment during construction to match final grade. (to be completed during construction)
- Copper cable crossing STH 100 @ 979+50 RT/LT will be replaced prior to road construction. At the time of the storm sewer placement AT&T will support this copper cable to accommodate the placement of the 66" SSPRC (to be completed during construction)
- Fiber cable crossing STH 100 @ 979+95 RT/LT will be replaced prior to road construction in the same bore as the preceding copper cable. At the time of the storm sewer placement AT&T will support this copper cable to accommodate the placement of the 66" SSPRC (to be completed during construction)
- Fiber cable crossing STH 100 @ 981+90 RT/LT will be replaced prior to road construction. At the time of the storm sewer placement AT&T will support this fiber cable to accommodate the placement of the 66" SSPRC (to be completed during construction)
- Hand Hole @ 981+90 RT will need to be adjusted to match final grade (to be completed during construction)
- Manhole at 987+00 RT will need frame and cover adjustment to match final grade (to be completed during construction, if needed)
- Duct Package @ 989+25 to 990+00 (at box culvert) will be adjusted if required (pending pothole results) prior to road construction. At the time of the storm sewer placement AT&T will support

this duct package to accommodate the placement of the 66" SSPRC (to be completed during construction)

- Duct package (32- 4" ducts) @ 994+25 will be adjusted if required (pending pothole results) prior to road construction. At the time of the storm sewer placement AT&T will support this duct package to accommodate the placement of the 66" SSPRC (to be completed during construction)
- Duct package (12-4" ducts) 999+75 will be adjusted if required (pending pothole results) prior to road construction. At the time of the storm sewer placement AT&T will support this duct package to accommodate the placement of the 66" SSPRC (to be completed during construction)
- Duct package (18-4" ducts) @ 1026+10 will be adjusted if required (pending pothole results) prior to road construction. At the time of the storm sewer placement AT&T will support this duct package to accommodate the placement of the 66" SSPRC (to be completed during construction)
- Pedestal at 1003+75 RT will be relocated to the north east (to be completed prior to construction)
- Hand Hole at 1029+60 will need to be relocated 4' to the East (to be completed prior to construction)
- Aerial Fiber Optic cable from 1029+60 RT to 1042+00 RT will be replaced with buried fiber being placed 2' west of the proposed We Energies gas line and the power pole lead vacated (to be completed prior to construction).
- Aerial fiber optic cables (2) going east at pole 1044+00 will be buried to the next pole to the east so the pole at this location can be removed by We Energies.
- Hand Hole at 1044+00 RT will need to be adjusted to match final grade (to be completed during construction)
- Hand Hole at 1062+90 RT will need to be adjusted to match final grade (to be completed during construction)
- Manhole at 168+00 FA LT will need frame and cover adjustment to match final grade (to be completed during construction)
- Hand Hole at 52+20 LT (W Edgerton Ave.) will need to be relocated to the East 156' out of the construction area (to be completed prior to construction)
- At 11+75 RH LT, adjust manhole frame and cover to match final grade (to be completed during construction)
- At 12+45 RH LT, adjust manhole frame and cover to match final grade (to be completed during construction)

Stage 3

- Hand Hole @ 972+90 LT will need to be relocated to the east due to the installation of the sidewalk (to be completed prior to construction)
- Pedestal at 973+25 LT to be removed (to be completed prior to construction)
- Buried copper cable to be replaced with aerial copper cable on We Energies poles from 962+50 to 988+00 (to be completed prior to construction)
- At 976+25 LT, pedestal to be removed (to be completed prior to construction)
- Pedestal at 979+00 LT will be eliminated. Copper distribution cable between this pedestal and the pedestal at 980+00 will be replaced (to be completed prior to construction).
- Pedestal at 980+00 will be removed (to be completed prior to construction)
- Manhole at 994+00 LT will need frame and cover adjustment to match final grade (to be completed during construction)
- Manhole at 999+85 LT will need frame and cover adjustment to match final grade (to be completed during construction)

- Manhole at 1026+10 RT will need frame and cover adjustment to match final grade (to be completed during construction)
- Manhole at 82+40 JR LT will need frame and cover adjustment to match final grade (to be completed during construction, if needed)

Stage 4

No conflicts identified

Field Contact: Mark Edger, (262) 896-7434, (262) 212-2203 (Mobile), me1754@att.com

*Replace entire section titled **We-Energies – Electric** with the following:*

We Energies-Electric has underground and overhead facilities parallel and cross STH 100 within the project limits in the following locations:

A section of underground cable will be discontinued from STA 1001+54, 77' RT to STA 1006+71, 52' RT. A new cable will be installed Starting at STA 1001+54, 77' RT following thru STA 1003+49, 77' RT - STA 1003+49, 63' RT up to STA 1006+71, 52' RT.

An existing underground cable will be discontinued starting at Alignment EA, STA 50+73, 61' LT thru STA 50+93, 34' LT and ending at STA 53+60, 27' LT. A new one will be installed starting at EA STA 50+73, 61' LT thru STA 50+85, 45' LT - STA 53+60, 43' LT up to STA 53+60, 27' LT.

The We Energies-Electric pole relocations are listed below:

Facility	Station	Remove		Install		Comments
		Station	Offset	Station	Offset	
Pole		969+98.0 RT	69.5'	969+97.5	62.5' RT	
Light Pole		972+33.5 RT	69.2'	972+33.0	71' RT	
Pole		973+18.0	71.5' LT	973+27.5	72.5' LT	
Pole	CA	50+73.0	27' LT	50+98.0	34' LT	
Anchor	CA			50+99.0	56' LT	
Pedestal	A	49+14.5	23' RT	49+08	28.5' RT	
Pole		979+89.5	70' LT	979+92.0	70.5' LT	
Anchor				979+92.5	92.5' LT	
Pole		980+05.5	69' LT	980+10.0	70.5' LT	
Pole		981+52.0	69' LT	981+76.0	73.0' LT	
Pole		983+13.0	68' LT	983+13.0	76.5' LT	
Pole		983+92.0	66' LT	983+96.0	78' LT	
Pole		984+79.5	63.5' LT	984+85.0	79.5' LT	
Anchor				984+84.0	94' LT	
Pole		985+77.5	66' LT	985+80.0	79.5' LT	
Pole		985+89.5	65.5' LT	985+94.0	79.5' LT	
Pole		986+39.5	81' RT			
Pole		986+73.0	65' LT	986+55.0	78' LT	
Anchor				986+56.0	94' LT	
Pole		987+88.0	69.5' LT	987+96.0	74.5' LT	
Anchor				987+92.0	89' LT	
Anchor				988+18.0	74.5' LT	
Pole		988+38.0	64' RT	988+38.0	79' RT	
Anchor				988+51.0	79' RT	

Facility	Station	Remove		Install		Comments
		Station	Offset	Station	Offset	
Pole		988+83.0	73.5' LT			
Pole		990+43.5	80.5' LT			
Pole		991+63.0	65.5' RT			
Pole	FA	160+93.5	63.5' RT	161+11.0	67' RT	
Pole	FA	164+68.0	56' RT	164+76.5	58.5' RT	
Pole	FA	166+69.0	51' RT	166+67.5	61.5' RT	
Pole	FA	167+66.0	51' RT	167+86.0	62.5' RT	
Pole	FA	168+94.0	51' RT	168+94.0	62.5' RT	
Pole	FA	170+23.0	51.5' RT	170+19.0	60' RT	
Pole	FA			173+20.0	50' RT	
Pole	FA	174+21.5	50.5' RT			
Pole	FA			175+43.0	50' RT	
Light Pole	GA	50+83.0	48.0' LT			
Cutoff Pole		1025+53.0	56.5' RT			Not a We Energies pole
Pole	EA	48+07.0	28.0' LT	47+92.0	47.0' LT	
Pole	EA	48+96.0	28.0' LT	48+94.0	47.0' LT	Move traffic signal pole w/light Southwest away from overhead line- STA 48+92, 36'LT
Pole	EA	51+08.0	38.0' LT	51+05.0	41.0' LT	
Pole	EA	52+15.0	36.5' LT	52+12.0	41.0' LT	
Pole	EA	53+55.0	35.0' LT	53+55.0	41.0' LT	

The We Energies-Electric underground cable road crossing relocations are listed below:

Facility	Sta.	Discontinue				Install				
		Station Offset		Station	Offset	Station	Offset		Station	Offset
Road Crossing	FA	168+54 49' LT	to	168+94	51' RT	168+58	53' LT	to	169+00	59' RT
Road Crossing	FA	170+21 57' LT	to	170+23	51' RT	170+25	54' LT	to	170+25	60' RT
Road Crossing	FA	171+77 77' LT	to	171+65	51' RT	171+72	77' LT	to	171+61	51' RT
Road Crossing	JR	87+25 60' LT	to	87+25	69' RT	87+29	60' LT	to	87+29	74' RT
Road Crossing	E	50+79 22' LT	to	50+79	37' RT	50+89	23' LT	to	50+89	22' RT
Road Crossing		1009+85 59' LT	to	1009+76	69' RT	1009+90	59'LT	to	1009+81	69' RT
Road Crossing	PE	50+61 38' LT	to	50+61	28' RT	50+66	38' LT	to	50+66	28' RT
Road Crossing		1017+73 60' RT	to	1018+43	61'RT	1017+73	65' RT	to	1018+43	66' RT
Road Crossing	J	49+00 18' LT	to	49+43	18' LT	49+00	21.5' LT	to	49+43	21.5' LT
Road Crossing		1021+06 57' LT	to	1021+03	58' RT	1021+09	57' LT	to	1021+08	58' RT
Road Crossing	GA	50+12 57' LT	to	50+09	61' RT	50+07	57' LT	to	50+04	61' RT

Facility	Sta.	Discontinue				Install				
		Station Offset		Station	Offset	Station	Offset		Station	Offset
Road Crossing	GA	51+05 52' LT	to	51+02	49' RT	51+10	52' LT	to	51+07	49' RT
Road Crossing		1054+48 83' LT	to	1054+52	63' RT	1054+57	79' LT	to	1054+59	59' RT
Road Crossing		1056+38 83' LT	to	1056+36	74' RT	1056+29	83' LT	to	1056+27	74' RT
Road Crossing	EA	50+67 53' LT	to	51+36	28' RT	50+67	60' LT	to	51+41	28' RT

Field Contact: Dean Lenius, (414) 944-5653, (414) 659-3754 (Mobile)

68. **DELETED.**

69. **DELETED.**

90. **Transporting and Installing State Furnished Video Detection, Intersections, College Avenue, Item SPV.0105.032, Forest Home Avenue, Item SPV.0105.033, IH43 NB Ramps, Item SPV.1015.034, Abbott Avenue, Item SPV.0105.046**

*Replace last paragraph under section titled **C Construction** with the following:*

Notify department's Electrical Shop at (414) 266-1170 upon completion of the Monotube and Luminaire arm installation of the Traffic Signal Terra Power Cable 18/3, cable whip and camera at each intersection.

Camera programming will be performed by the department's vendor. Coordinate directly with the department's vendor (TCC at 651-439-1737 or mallwood@trafficcontrolcorp) to schedule the camera programming with aiming assistance from the contractor when operation of the permanent signal begins. The department has final determination of the acceptance testing date and time.

*Replace last paragraph under section titled **E Payment** with the following:*

Payment is full compensation for transporting and installing the Intersection Autoscope Video Detection System, Traffic Signal Terra Power Cable 18/3, cable whips, mounting hardware, cameras and vendor's programming.

98. **Removing Existing Flasher Assembly, Item 204.9060.S.002.**

A Description

This special provision describes Removing Existing Flasher Assembly in accordance to the pertinent provisions of standard spec 204 and as hereinafter provided.

B (Vacant)

C Construction

Contact WisDOT Brad Bowe, Construction Manager, at least 7 working days prior to the removal of the Flasher Assembly.

D Measurement

The department will measure Removing Existing Flasher Assembly in each, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.002	Removing Existing Flasher Assembly	Each

99. **Install Fiber Optic Communications in Cabinet College Avenue, Item SPV.0105.047; Forest Home Avenue, Item SPV.0105.048; Janesville Road, Item SPV.0105.049; Parnell Avenue, Item SPV.0105.050; Grange Avenue, Item SPV.0105.051; Abbott Avenue, Item SPV.0105.052; Edgerton Avenue, Item SPV.0105.053; IH-43 NB Ramps, SPV.0105.054.**

A Description

This special provision describes installing fiber optic communications equipment in traffic signal cabinets.

B Materials

The department will furnish pre-terminated fiber optic patch panels and managed Ethernet switches. The materials will be provided with the traffic signal cabinet. The patch panels will have pre-terminated fiber optic cable pigtails. Provide two each 1-meter lengths of ST-ST single mode fiber jumper (2 fibers per jumper) from the patch panel to the Ethernet switch. Provide a 1-meter length of CAT-Se cable from the Ethernet switch to the controller. Provide a 1-meter length of CAT-Se cable from the Ethernet switch to the Interface Panel. CAT-Se patch cords shall have factory pre-terminated RJ45 / 8P8C connectors on both ends per TIA/EIA T568B. Provide all patch panel, Ethernet switch, and Interface Panel attachment hardware.

Provide a 14 AWG XLP insulated, stranded, copper, 600 volt AC locate wire through the conduit run from the communication vault to the traffic signal cabinet. Connect the locate wire by using a silicone filled wire nut at each pull box, vault or other access point. Alternatively, use a single wire through the access points, leaving a six (6) foot coil in each pull box, vault or other access point for splicing. All material under this item shall meet the requirements of section 655 of the Standard Specifications.

C Construction

Install the patch panel and Ethernet switch on the side of the traffic signal cabinet opposite the electrical service at a location as approved by the engineer. With approval by the engineer, the Ethernet switch may be placed on a shelf near the patch panel. Install the pre-terminated fiber optic cable in conduit from the patch panel to the communication vault as specified in section 678.3.1 of the standard specifications. Fiber optic cable ends shall be covered securely to protect open ends during installation in raceways. Leave the remainder of the fiber optic cable coiled in the communication vault.

Install the fiber jumpers and CAT-Se cable and provide a communications link from the communication vault to the controller. Install the CAT-Se cable from the Interface Panel to the Ethernet switch.

Connect the locate wire by using a wire nut at each access point. Alternatively, use a single wire through the access points.

D Measurement

The department will measure Install Fiber Optic Communications in Cabinet (Location) as a single lump sum unit of work in place and accepted.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item.

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105. 047	Install Fiber Optic Communications in Cabinet, College Avenue	LS
SPV.0105.048	Install Fiber Optic Communications in Cabinet, Forest Home Avenue	LS
SPV.0105. 049	Install Fiber Optic Communications in Cabinet, Janesville Road	LS
SPV.0105. 050	Install Fiber Optic Communications in Cabinet, Parnell Avenue	LS
SPV.0105. 051	Install Fiber Optic Communications in Cabinet, Grange Avenue	LS
SPV.0105. 052	Install Fiber Optic Communications in Cabinet, Abbott Avenue	LS
SPV.0105. 053	Install Fiber Optic Communications in Cabinet, Edgerton Avenue	LS
SPV.0105. 054	Install Fiber Optic Communications in Cabinet, IH-43 NB Ramps	LS

Payment is full compensation for installing pre-terminated patch panels, Ethernet switches, and fiber optic cable in conduit; furnishing and installing attachment hardware, fiber jumpers, CAT-5e cable, and locate wire.

100. 8-CT Fiber Optic Connector 800-FT, Item SPV.0060.026.

A Description

This special provision describes installing 8-count factory terminated combination fiber optic patch panel and cable systems of the lengths described, in accordance with sections 651, 655, 670, and 678 of the standard specifications, as shown on the plans, and as hereinafter provided.

B Materials

C Construction

Follow all manufacturer's recommended installation procedures.

Install cable from control cabinet end out to fiber optic splice location as shown on the plans to prevent damage to the termination panel.

Mount the termination panel end in the control cabinet in a space available upon receiving approval by the engineer.

Contact the Southeast Region Traffic Engineer a minimum of 7 working days in advance to coordinate installing equipment in the traffic signal cabinet and 14 working days in advance to coordinate installation of fiber splices. Fiber splices are paid for separately.

D Measurement

The department will measure 8-CT Fiber Optic Connector 800-FT as each individual 8-CT Fiber Optic Connector 800-FT, acceptably completed.

E Payment

The department will pay for the measured quantity at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.026	8-CT Fiber Optic Connector 800-FT	Each

Payment is full compensation for installing the fiber optic cable; for coordination with the Department; and for termination panel assembly.

101. Geotextile Type SR.

Furnish and install Geotextile Fabric Type SR conforming to standard spec 645 and conforming to the following physical properties:

Test	Method	Value ⁽¹⁾
Minimum Tensile Strength	ASTM D 4595	300 lb/in (52,500 N/m)
Maximum Elongation at Required Strength	ASTM D 4595	15 %
Minimum Puncture Strength	ASTM D 4833	175 lb (779 N)
Maximum Apparent Opening Size	ASTM D 4751	No. 40 (4.3×10^{-4} μm)
Minimum Permittivity	ASTM D 4491	0.26 s ⁻¹

1. All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

stp-645-035 (20161130)

Schedule of Items

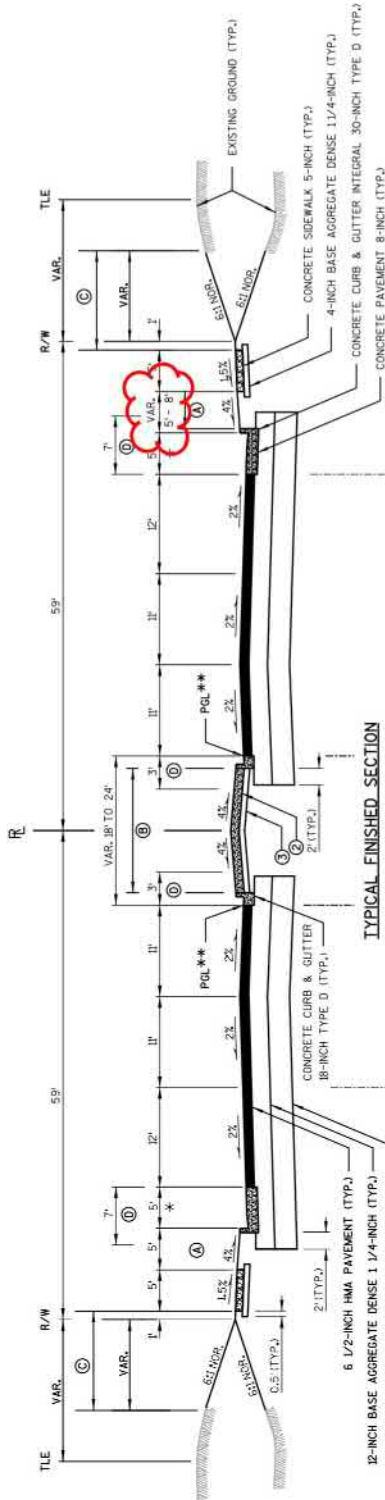
Attached, dated September 1, 2017, are the revised Schedule of Items Pages. All pages of the Schedule of Items are being replaced.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 17, 83 – 89, 131 – 134, 149 – 152, 170, 171, 176 – 178, 180 – 182, 184, 200 – 203, 232 – 235, 291, 293 – 296, 301, 322 – 325, 327, 328, 387 – 389, 400 – 405, 411 – 444, 511 – 514, 542, 545, 546, 559 – 562, 580, 602 – 605, 619, 633, 667, 687, 689, 706, 707, 725, 749 – 751, 753 – 756, 762, 763, 771, 772, 793, 795, 1159 – 1162, 1166 – 1169, 1171, 1172, and 1174 - 1178.

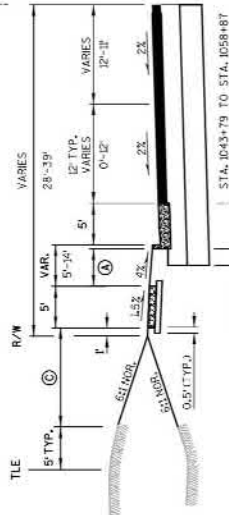
END OF ADDENDUM



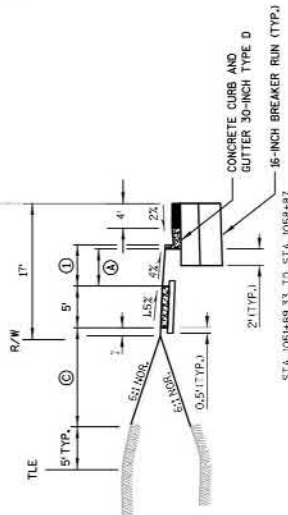
TYPICAL FINISHED SECTION
U.S. 45/STH 100

STA. 1008+48.21 TO STA. 1063+50.00 (SOUTHBOUND)
STA. 1007+67.80 TO STA. 1063+50.00 (NORTHBOUND)

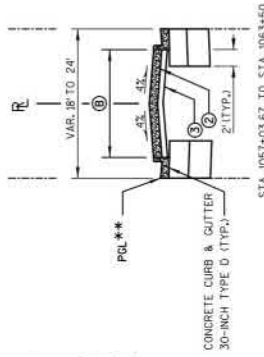
** = POINT REFERENCED TO ON PROFILE



STA. 1043+79 TO STA. 1058+87



STA. 1054+89.33 TO STA. 1059+87

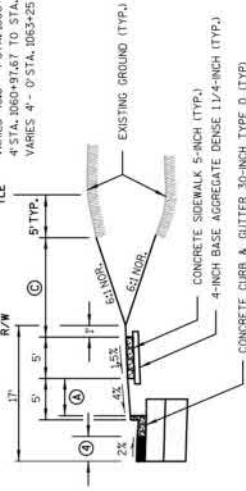


STA. 1057+03.67 TO STA. 1063+50



STA. 1054+89.33 TO STA. 1063+50

③ 4' STA. 1054+89.33 TO STA. 1059+86.15
VARIES 4' - 48.8' STA. 1059+86.15 TO STA. 1060+20.36
VARIES 48.8' - 4' STA. 1060+20.36 TO STA. 1060+31.67
4' STA. 1060+31.67 TO STA. 1063+25
VARIES 4' - 0' STA. 1063+25 TO STA. 1063+50



STA. 1054+89.33 TO STA. 1063+50

① TOPSOIL: FERTILIZER TYPE B;
SEEDING MIXTURE NO. 30; AND
EROSION MAT URBAN CLASS I
TYPE A

② TOPSOIL: FERTILIZER TYPE B;
SEEDING MIXTURE NO. 30; AND
EROSION MAT URBAN CLASS I
TYPE A WHEN MEDIAN IS GREATER
THAN 5' WIDE (B.O.C. TO B.O.C.)

③ CONCRETE SIDEWALK 5-INCH
WHEN MEDIAN IS LESS THAN
5' WIDE (B.O.C. TO B.O.C.)

④ TOPSOIL: FERTILIZER TYPE B;
SEEDING MIXTURE NO. 30; AND
MULCHING

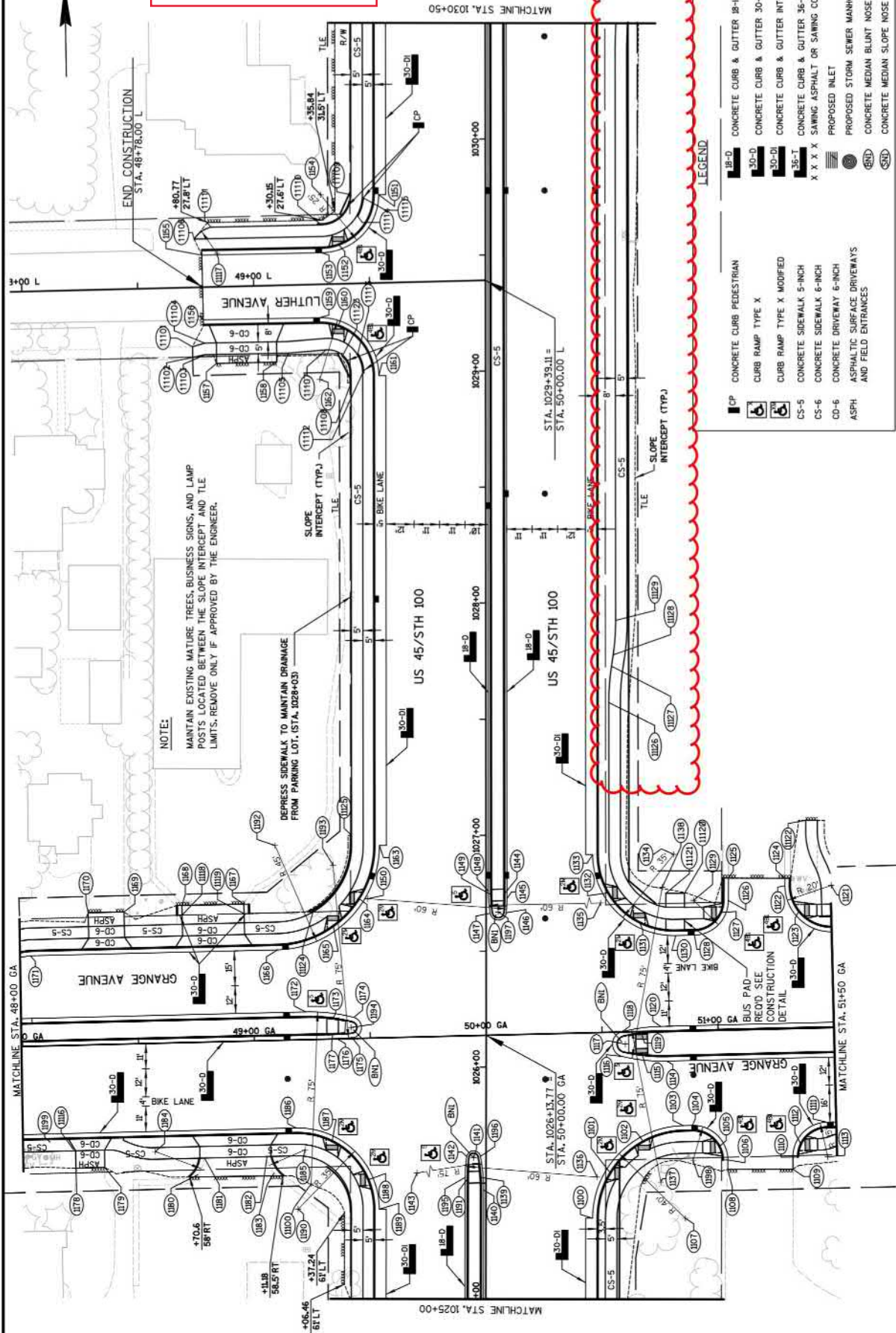
⑤ 3' OR 7' LATERAL CLEARANCE

* BIKE ACCOMMODATION

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 17
September 1, 2017

MEDIAN OPENINGS AT
PARNELL AVENUE
ROCKNE AVENUE
GRANGE AVENUE
RIDGE ROAD
ABBOT AVENUE
STA. 1046+50
EDGEMOOR AVENUE
NB CONDITION SHOWN - REVERSE
FOR SB CONDITION
SB HWY 100 AT I-43 NB RAMP

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 83
September 1, 2017



PLAN DETAILS

COUNTY: MILWAUKEE

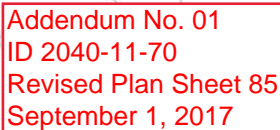
HWY: USH 45/STH 100

PROJECT NO: 2040-11-70

SHEET 83

POINT	STATION	OFFSET	NORTHING	EASTING	REMARK
1160	1029+19.29	63.50	265672.93	568733.93	BOC: CENTER OF CURB RAMP OPENING R = 25.0'
1161	1028+98.07	-46.00	265650.79	568750.07	
1162	1028+98.07	-71.00	265651.21	568746.07	
1163	1028+95.67	-46.00	265548.41	568746.67	
1164	1026+31.31	-55.93	265544.42	568726.31	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY
1165	1026+31.31	-55.93	265544.42	568726.31	
1166	1026+50.68	-89.96	265540.47	568710.68	
1167	48+96.86 GA	-59.02	265424.10	568687.78	
1168	48+70.16 GA	-59.11	265424.02	568687.10	MATCH EXIST. DRIVEWAY MATCH EXIST. DRIVEWAY
1169	48+45.11 GA	-56.95	265521.70	568635.04	
1170	48+45.11 GA	-56.95	265521.70	568635.04	
1171	48+44.32 GA	-31.00	265503.49	568695.34	
1172	49+22.35 GA	-12.00	265577.24	568731.57	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY
1173	49+33.36 GA	-8.48	265573.46	568725.20	
1174	49+43.05 GA	-9.09	265574.46	568734.28	
1175	49+42.19 GA	-0.28	265535.65	568733.48	
1176	49+37.77 GA	53.00	265567.32	568720.77	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY
1177	48+23.71 GA	-21.00	265531.68	568634.34	
1178	48+23.71 GA	-21.00	265531.68	568634.34	
1179	48+34.45 GA	53.00	265531.68	568626.77	
1180	48+74.27 GA	51.05	265530.89	568665.92	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY
1181	48+77.24 GA	50.00	265534.96	568668.85	
1182	49+04.69 GA	50.00	265535.10	568696.96	
1183	48+56.14 GA	45.23	265539.59	568647.72	
1184	49+20.74 GA	47.45	265537.79	568710.73	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY R = 26.5'
1185	49+20.74 GA	47.45	265537.79	568710.73	
1186	1025+73.63	-81.90	265537.21	568708.62	
1187	1025+73.63	-81.90	265537.21	568708.62	
1188	1025+31.31	-51.07	265530.30	568734.05	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY R = 35.0'
1189	1025+31.31	-51.07	265530.30	568734.05	
1190	1025+38.65	-81.00	265532.21	568708.85	
1191	1025+52.49	-71.47	265540.67	568783.63	
1192	1025+65.97	-91.00	265549.67	568704.68	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY R = 45.0'
1193	49+35.72 GA	-75.00	265540.32	568726.53	
1194	49+41.61 GA	-9.76	265570.13	568733.06	
1195	1025+10.51	-2.42	265513.37	568718.51	
1196	1025+10.51	-2.42	265513.37	568718.51	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY R = 8.0'
1197	1026+66.94	5.21	265548.82	568797.39	
1198	48+10.87 GA	41.49	265530.30	568795.51	
1199	49+22.35 GA	63.00	265530.24	568774.04	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY R = 15.0'
1200	49+22.35 GA	63.00	265530.24	568774.04	
1201	48+73.00 GA	30.10	265560.08	568695.95	
1202	48+73.00 GA	30.10	265560.08	568695.95	
1203	48+78.24 GA	23.08	265566.16	568675.19	BOC: CENTER OF CURB RAMP OPENING MATCH EXIST. DRIVEWAY R = 75.0'
1204	48+78.32 GA	24.08	265566.16	568675.23	
1205	49+14.24 GA	23.28	265561.91	568711.99	
1206	48+14.92 GA	-20.84	265711.06	568871.54	
1207	49+40.98 GA	42.75	265547.91	568861.24	MATCH EXIST. CURB PEDESTRIAN MATCH EXIST. CURB PEDESTRIAN R = 16.0'
1208	49+40.98 GA	42.75	265547.91	568861.24	
1209	49+42.68 GA	38.30	265728.97	568738.38	
1210	49+29.83 GA	-25.81	265716.19	568726.41	
1211	48+82.30 GA	-25.61	265716.07	568767.88	MATCH EXIST. CURB PEDESTRIAN MATCH EXIST. CURB PEDESTRIAN R = 105'
1212	49+46.08 GA	36.66	265652.03	568743.09	
1213	49+46.08 GA	36.66	265652.03	568743.09	
1214	1029+12.71	-55.11	265727.73	568731.54	
1215	1029+12.71	-55.11	265727.73	568731.54	MATCH EXIST. CURB PEDESTRIAN MATCH EXIST. CURB PEDESTRIAN R = 105'
1216	48+20.86 GA	45.00	265539.65	568612.44	
1217	48+84.59 GA	-14.44	265104.72	568681.25	
1218	48+70.16 GA	-54.97	265104.72	568681.25	
1219	48+70.16 GA	-54.97	265104.72	568681.25	MATCH EXIST. CURB PEDESTRIAN MATCH EXIST. CURB PEDESTRIAN R = 105'
1220	50+78.91 GA	-59.35	265424.02	568687.10	
1221	50+78.91 GA	-59.35	265424.02	568687.10	
1222	51+39.95 GA	-83.30	265424.02	568687.10	
1223	49+37.72 GA	30.83	265659.80	568734.67	MATCH EXIST. CURB PEDESTRIAN MATCH EXIST. CURB PEDESTRIAN R = 105'
1224	49+37.72 GA	30.83	265659.80	568734.67	
1225	49+26.01 GA	-59.35	265424.02	568687.10	
1226	49+26.01 GA	-59.35	265424.02	568687.10	
1227	1027+72.74	54.86	265593.79	568681.25	MATCH EXIST. CURB PEDESTRIAN MATCH EXIST. CURB PEDESTRIAN R = 105'
1228	1027+72.74	54.86	265593.79	568681.25	

POINT	SATION	OFFSE	NORTHINGS	EASTINGS	CHAINING
1001	1029+34.30	46.00	262286.05	568935.75	
1002	1029+54.20	31.83	262126.15	568935.75	BOC: CENTER OF CURB RAMP OPENING
1003	1029+61.85	63.03	262338.32	568958.41	BOC: CENTER OF CURB RAMP OPENING
1004	1029+74.31	44.37	262325.27	568975.49	
1005	50+93.41	30.50	262335.47	568990.72	BOC: CENTER OF CURB RAMP OPENING
1006	50+92.87	36.28	262330.41	568990.72	
1007	50+83.94	81.00	262285.27	568975.49	R = 40.0'
1008	50+02.79	60.36	262306.03	568994.44	MATCH EXIST. PARKING LOT
1009	50+02.79	60.36	262306.03	568994.44	MATCH EXIST. PARKING LOT
1010	50+10.54	55.32	262310.58	568922.55	
1011	50+54.34	41.00	262325.46	568931.48	BOC: CENTER OF CURB RAMP OPENING
1012	50+54.71	40.50	262336.09	568926.32	
1013	50+54.94	56.00	262330.67	568937.58	R = 15.0'
1014	50+54.94	56.00	262330.67	568937.58	
1015	50+54.94	91.69	262335.47	568998.30	BOC: CENTER OF CURB RAMP OPENING
1016	50+58.44	10.55	262355.56	568949.80	
1017	50+59.84	5.23	262350.49	568981.16	R = 5.5'
1018	50+58.42	-0.13	262356.24	568949.80	
1019	50+58.42	-0.13	262356.24	568949.80	BOC: CENTER OF CURB RAMP OPENING
1020	50+58.42	-0.13	262356.24	568949.80	
1021	50+50.70	41.00	262427.69	568949.80	R = 20.0'
1022	50+30.60	61.33	262457.89	568921.20	BOC: CENTER OF CURB RAMP OPENING
1023	50+36.24	-40.59	262501.19	568927.20	
1024	50+30.60	61.33	262501.19	568927.20	BOC: CENTER OF CURB RAMP OPENING
1025	50+30.60	61.33	262501.19	568927.20	MATCH EXIST. 30" INCH CURB
1026	50+06.80	44.59	262542.22	568996.73	BOC: CENTER OF CURB RAMP OPENING
1027	50+19.39	-50.41	262545.40	568992.96	
1028	50+90.80	-41.00	262547.31	568981.16	R = 15.0'
1029	50+90.80	-41.00	262547.31	568981.16	
1030	50+90.80	-41.00	262547.31	568981.16	BOC: CENTER OF CURB RAMP OPENING
1031	50+90.80	-41.00	262547.31	568981.16	
1032	1028+52.80	66.05	262540.46	568995.15	BOC: CENTER OF CURB RAMP OPENING
1033	1028+75.13	52.93	262476.22	568945.24	R = 35.0'
1034	1028+16.65	81.03	262442.26	568937.58	R = 60.0'
1035	1028+16.65	81.03	262442.26	568937.58	R = 75.0'
1036	1029+52.48	51.00	262513.48	568940.10	
1037	50+75.25	64.73	262529.22	568961.00	BOC: CENTER OF CURB RAMP OPENING
1038	50+77.46	42.00	262542.22	568966.35	
1039	1029+52.61	-2.12	262530.65	568937.58	R = 3.0'
1040	1029+60.35	-5.37	262533.94	568978.90	
1041	1029+61.43	-8.33	262533.94	568978.90	R = 75.0'
1042	1029+66.38	-16.00	262530.44	568974.01	
1043	1028+74.25	7.50	262456.03	568959.80	BOC: CENTER OF CURB RAMP OPENING
1044	1028+74.25	7.50	262456.03	568959.80	
1045	1029+66.38	8.69	262545.41	568998.30	R = 60.0'
1046	1029+66.38	1.75	262546.33	568993.92	
1047	1028+75.84	1.00	262547.42	568993.92	BOC: CENTER OF CURB RAMP OPENING
1048	1028+75.84	1.00	262547.42	568993.92	
1049	1028+74.15	2.90	262547.42	568993.92	R = 60.0'
1050	1028+74.15	2.90	262547.42	568993.92	
1051	1029+54.85	-63.50	262510.45	568973.52	BOC: CENTER OF CURB RAMP OPENING
1052	1029+54.85	-63.50	262510.45	568973.52	
1053	1029+54.85	-63.50	262510.45	568973.52	
1054	1029+54.85	-63.50	262510.45	568973.52	
1055	48+78.00	13.83	262570.06	568974.66	MATCH EXIST. 30" INCH CURB
1056	48+78.00	13.83	262570.06	568974.66	MATCH EXIST. DRIVEWAY
1057	48+78.00	13.83	262570.06	568974.66	MATCH EXIST. DRIVEWAY
1058	48+43.17	32.90	262565.29	568860.04	MATCH EXIST. DRIVEWAY
1059	48+43.17	32.90	262565.29	568860.04	MATCH EXIST. DRIVEWAY



POINT	STATION	OFFSET	NORTHING	EASTING	REMARK
1200	1030+67.01	46.00	265884.89	568844.89	BOC: CENTER OF CURB RAMP OPENING
1201	1031+41.50	55.50	265895.18	568851.48	R = 10.0'
1202	1032+16.00	65.00	265905.46	568858.76	
1203	1033+11.01	65.01	265917.83	568866.06	
1204	1032+77.12	70.32	265821.85	568865.58	MATCH EXIST. PAVEMENT
1205	1031+21.73	64.54	265872.66	568870.12	MATCH EXIST. PAVEMENT
1206	1031+21.83	64.54	265872.66	568870.12	
1207	1031+31.99	46.00	265883.13	568875.99	BOC: CENTER OF CURB RAMP OPENING
1208	1031+31.99	46.00	265883.13	568875.99	
1209	1034+83.39	48.50	266234.33	568854.38	BOC: CENTER OF CURB RAMP OPENING
1210	1034+31.66	46.00	266242.77	568852.02	
1211	1035+10.00	55.50	266260.92	568861.83	BOC: CENTER OF CURB RAMP OPENING
1212	1035+21.01	81.83	266271.59	568868.34	
1213	1035+21.01	81.83	266271.59	568868.34	MATCH EXIST. 30-INCH C&G
1214	1034+31.66	76.00	266242.77	568852.02	R = 10.0'
1215	1035+46.85	95.97	266291.09	568902.91	MATCH EXIST. 30-INCH C&G
1216	1035+52.76	66.34	266303.50	568917.39	
1217	1035+60.97	55.50	266316.89	568922.68	BOC: CENTER OF CURB RAMP OPENING
1218	1035+71.28	46.00	266325.36	568931.46	R = 25.0'
1219	1035+71.28	46.00	266325.36	568931.46	
1220	1036+08.54	48.50	266355.57	568956.49	BOC: CENTER OF CURB RAMP OPENING
1221	1030+80.92	1.00	265832.82	568600.13	
1222	1031+60.92	-9.00	265912.97	568791.48	
1223	1032+70.00	9.00	266021.74	568811.31	
1224	1033+16.00	-1.00	266130.53	568813.58	
1225	1034+83.39	-1.50	266234.33	568854.38	BOC: CENTER OF CURB RAMP OPENING
1226	1034+85.49	-3.11	266251.75	568860.93	
1227	1035+01.64	-9.00	266252.86	568797.18	
1228	1035+00.86	-9.00	266252.86	568797.18	
1229	1034+83.61	-1.50	266235.59	568856.31	BOC: CENTER OF CURB RAMP OPENING
1230	1035+23.56	7.00	266274.90	568916.45	
1231	1035+23.56	7.00	266274.90	568916.45	
1232	1035+38.15	-4.57	266296.64	568799.92	
1233	1035+44.68	-7.00	266320.06	568802.23	
1234	1035+68.09	-1.00	266320.06	568802.23	
1235	1035+68.59	5.13	266320.06	568802.23	
1236	1035+68.59	5.13	266320.06	568802.23	
1237	1035+48.60	7.00	266300.33	568813.58	
1238	1035+23.56	7.00	266275.29	568813.56	
1239	1034+95.18	-53.87	266248.54	568752.23	R = 65.0'
1240	1035+44.68	3.00	266296.48	568809.92	R = 10.0'
1241	1035+48.60	9.00	266300.33	568813.58	R = 16.0'
1242	1035+48.60	9.00	266300.33	568813.58	R = 16.0'
1243	1035+95.46	9.50	266347.21	568913.27	R = 15.0'
1244	1035+94.80	2.06	266346.61	568903.82	
1245	1036+06.04	1.00	266351.87	568906.95	
1246	1036+08.53	2.50	266360.33	568910.49	BOC: CENTER OF CURB RAMP OPENING
1247	1036+08.53	2.50	266360.33	568910.49	
1248	1036+08.53	-48.50	266316.89	568799.92	BOC: CENTER OF CURB RAMP OPENING
1249	1035+60.53	-64.98	266313.46	568742.21	MATCH EXIST. DRIVEWAY
1250	1035+23.53	-64.98	266282.47	568741.69	MATCH EXIST. DRIVEWAY
1251	1034+83.39	-63.94	266236.06	568751.40	BOC: CENTER OF CURB RAMP OPENING
1252	1034+38.30	-63.94	266191.24	568741.20	MATCH EXIST. DRIVEWAY
1253	1035+38.30	-63.94	266191.24	568741.20	MATCH EXIST. DRIVEWAY
1254	1032+14.43	-65.00	266025.74	568757.06	
1255	1032+93.74	-62.51	266046.68	568740.20	BOC: CENTER OF CURB RAMP OPENING
1256	1032+89.59	-70.20	266042.66	568732.44	
1257	1033+14.98	-71.00	266067.66	568732.07	R = 25.0'
1258	49+22.27' M	-6.23	266046.54	568724.55	
1259	49+22.27' M	-6.23	266046.54	568724.55	
1260	48+50.91' M	-21.94	266041.70	568653.35	
1261	48+62.38' M	-22.20	266048.04	568664.62	MATCH EXIST. 30-INCH C&G
1262	48+47.82' M	-21.98	266041.72	568650.06	MATCH EXIST. PAVEMENT
1263	48+47.35' M	12.00	266011.73	568649.83	MATCH EXIST. 30-INCH C&G
1264	49+01.58' M	33.69	266059.13	568653.35	MATCH EXIST. DRIVEWAY
1265	49+01.58' M	33.69	266059.13	568653.35	MATCH EXIST. DRIVEWAY
1266	1032+57.16	-70.84	266000.84	568731.27	
1267	1032+32.76	-46.00	265985.44	568755.69	
1268	1032+32.76	-71.00	265985.84	568730.69	R = 25.0'
1269	1032+53.62	-62.51	266006.56	568739.53	BOC: CENTER OF CURB RAMP OPENING

POINT	STATION	OFFSET	NORTHING	EASTING	REMARK
1270	48+52.51' M	24.71	266001.08	568655.07	
1271	48+52.51' M	24.71	266001.08	568655.07	
1272	1031+54.50	-45.00	265901.01	568735.51	MATCH EXIST. DRIVEWAY
1273	1031+18.28	-65.00	265871.28	568734.77	MATCH EXIST. DRIVEWAY
1274	1030+77.20	-65.17	265830.21	568733.91	MATCH EXIST. DRIVEWAY
1275	1030+60.24	-64.89	265818.25	568733.91	
1276	1030+65.35	-53.00	265818.25	568745.88	
1277	1030+65.35	-53.00	265818.25	568745.88	
1278	1032+31.28	-70.00	265984.34	568731.67	R = 12.0'
1279	1031+31.99	56.01	265882.95	568855.98	R = 10.0'
1280	1030+77.01	56.01	265882.95	568855.98	
1281	1031+21.99	55.82	265912.96	568855.64	BOC: CENTER OF CURB RAMP OPENING
1282	1036+06.04	61.00	266356.86	568868.94	BOC: CENTER OF CURB RAMP OPENING
1283	1036+06.04	61.00	266356.86	568868.94	
1284	48+53.78' M	-71.40	266342.88	568856.05	R = 60.0'
1285	1035+96.46	9.00	266347.75	568906.77	
1286	1032+31.33	-53.00	265984.11	568748.66	
1287	1032+32.12	-53.02	265984.11	568748.66	
1288	1031+59.82	-55.30	265922.64	568746.51	
1289	1031+59.82	-55.30	265922.64	568746.51	
1290	1031+05.87	-54.86	266058.68	568748.05	
1291	1033+01.62	-69.62	266054.67	568733.23	
1292	1033+01.48	-73.93	266054.61	568728.92	
1293	48+37.17' M	-30.08	266056.16	568699.56	
1294	48+37.17' M	-30.08	266056.16	568699.56	
1295	48+37.17' M	-30.08	266056.16	568699.56	
1296	1031+13.61	-58.08	266066.47	568745.05	
1297	48+47.48' M	29.68	265996.06	568650.08	
1298	48+47.48' M	29.68	265996.06	568650.08	
1299	1030+95.25	70.44	265942.98	568853.28	
1300	1034+93.42	65.00	266242.33	568741.07	MATCH EXIST. DRIVEWAY
1301	1030+51.85	56.46	265804.82	568955.13	PC: R = 20'
1302	1030+51.85	56.46	265804.82	568955.13	PT: R = 20'
1303	1030+51.85	56.46	265804.82	568955.13	PC: R = 20'
1304	1030+51.85	56.46	265804.82	568955.13	PT: R = 20'
1305	1030+65.89	54.79	265885.88	568952.66	PT: R = 20'
1306	1030+65.89	54.79	265885.88	568952.66	PT: R = 20'
1307	1032+48.24	54.98	265999.21	568955.91	PT: R = 105'
1308	1032+48.24	54.98	265999.21	568955.91	PT: R = 105'
1309	1032+52.16	55.52	266003.12	568957.52	PC: R = 30'
1310	1032+52.16	55.52	266003.12	568957.52	PT: R = 30'
1311	1032+71.53	53.98	266022.51	568956.31	PC: R = 105'
1312	1032+71.53	53.98	266022.51	568956.31	PT: R = 105'
1313	1033+94.66	55.07	266145.83	568958.46	PT: R = 55'
1314	1033+94.66	55.07	266145.83	568958.46	PT: R = 55'
1315	1034+09.27	56.00	266160.20	568960.64	PC: R = 50'
1316	1035+78.54	56.00	266329.45	568861.48	PT: R = 30'
1317	1035+78.54	56.00	266329.45	568861.48	PT: R = 30'
1318	1035+91.60	53.58	266344.54	568961.31	PC: R = 30'
1319	1035+91.60	53.58	266344.54	568961.31	PT: R = 30'
1320	1035+99.48	53.00	266350.44	568960.83	PT: R = 30'

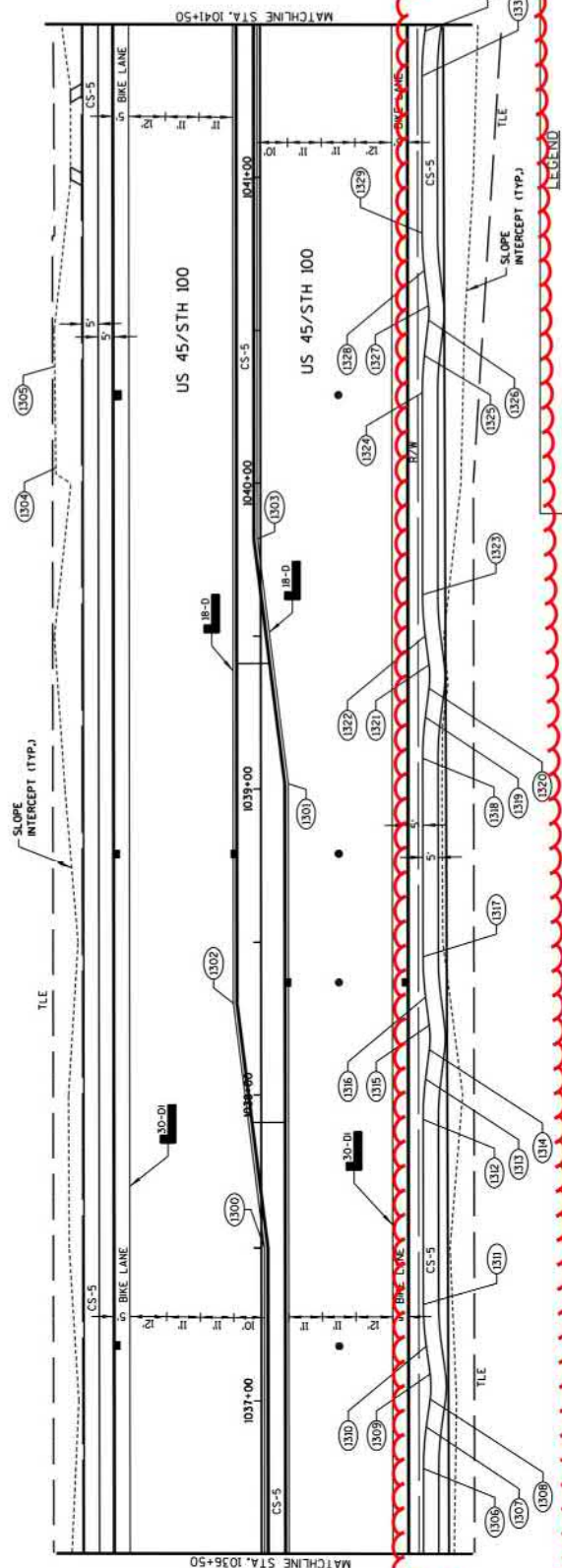
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POINT	STATION	DATE			REMARK
		OFFSET	NORTHING	EASTING	
1320	1039+32.89	55.09	266683.76	569866.51	P.C. R = 30°
1321	1039+40.57	55.09	266691.44	569866.51	P.C. R = 30°
1322	1039+50.04	53.86	266700.92	569867.58	P.C. R = 100°
1323	1039+53.53	53.86	266714.38	569867.58	P.C. R = 100°
1324	1039+57.00	51.70	266722.56	569868.96	P.C. R = 100°
1325	1040+14.68	51.70	266732.56	569868.96	P.C. R = 100°
1326	1040+33.33	55.06	266804.19	569870.51	P.C. R = 100°
1327	1040+37.95	55.06	266808.80	569870.58	P.C. R = 100°
1328	1040+69.60	53.70	266820.48	569876.42	P.C. R = 100°
1329	1040+74.72	53.00	266832.60	569883.93	P.C. R = 100°
1330	1040+78.00	54.00	266848.55	569883.93	P.C. R = 100°
1331	1040+87.79	54.00	266858.45	569887.02	P.C. R = 100°

MAINTAIN EXISTING MATURE TREES, BUSINESS SIGNS, AND LAMP
POSTS LOCATED BETWEEN THE SLOPE INTERCEPT AND TLE
LIMITS. REMOVE ONLY IF APPROVED BY THE ENGINEER.

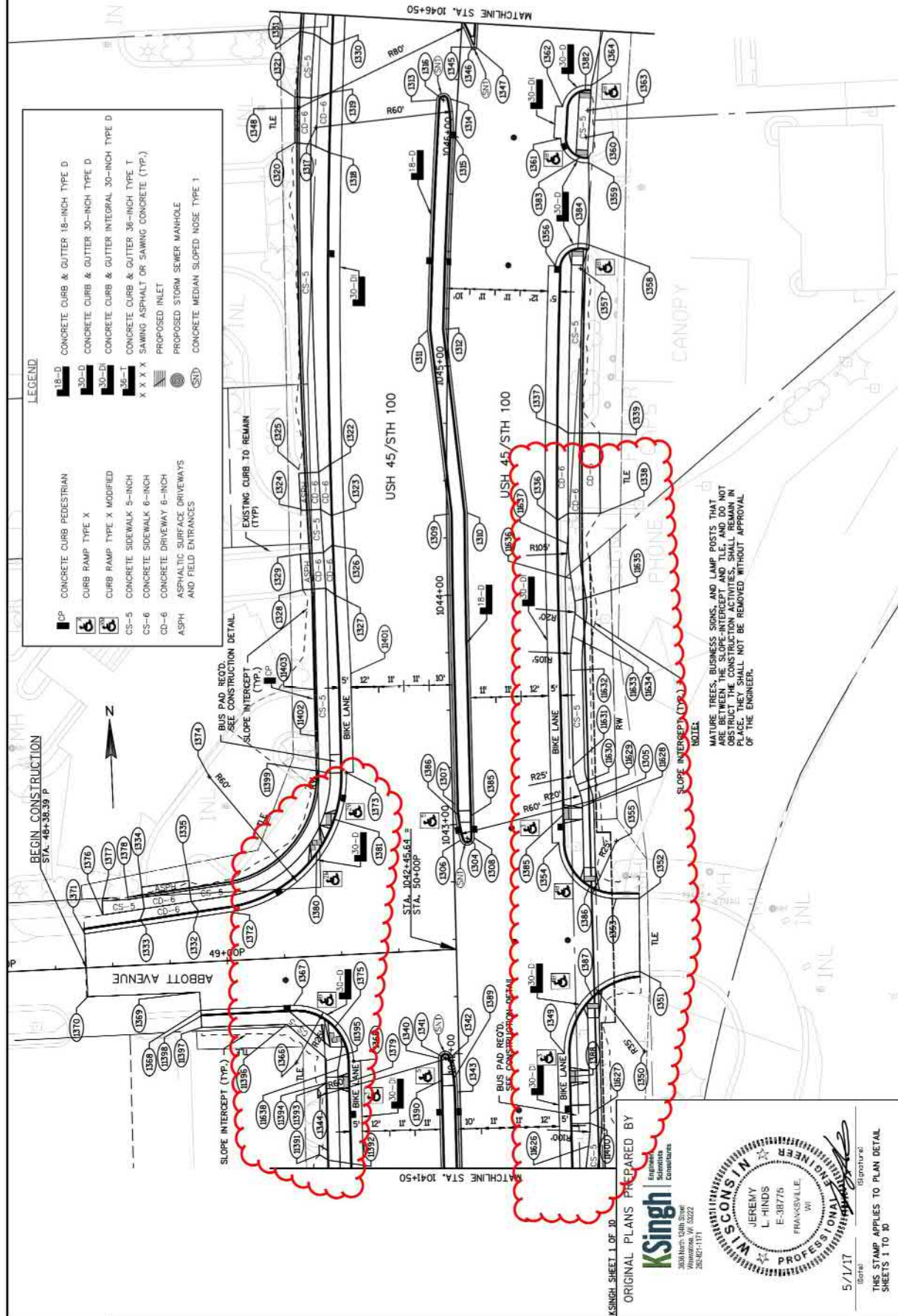


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CP	CONCRETE CURB PEDESTRIAN	18-D	CONCRETE CURB & GUTTER 18-INCH TYPE D
B	CURB RAMP TYPE X	30-D	CONCRETE CURB & GUTTER 30-INCH TYPE D
B	CURB RAMP TYPE X MODIFIED	30-DI	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D
S-5	CONCRETE SIDEWALK 5-INCH	35-T	CONCRETE CURB & GUTTER 35-INCH TYPE T
S-6	CONCRETE SIDEWALK 6-INCH	X X X X	SAWING ASPHALT OR SAWING CONCRETE (TYPE X)
D-6	CONCRETE DRIVEWAY 6-INCH		PROPOSED INLET
SPH	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES		PROPOSED STORM SEWER MANHOLE
			CONCRETE MEDIAN BLUNT NOSE (TYPE D)
			CONCRETE MEDIAN SLOPE NOSE (TYPE D)

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DATA TABLE				REMARKS
POINT	STATION	OFFSET	NORTHING EASTING	
1304	1042+93.95	6.00	267045.59	568895.50
1305	1043+08.92	61.00	267059.53	568880.74
1306	1042+93.96	3.11	267044.85	568892.59
1307	1043+08.92	1.00	267060.64	568890.75
1308	1042+93.95	9.00	267045.54	568898.50
1309	1044+35.48	1.00	267087.45	568893.42
1310	1044+35.92	9.00	267087.30	568893.44
1311	1045+15.48	9.00	267267.67	568897.47
1312	1045+16.03	-1.00	267267.70	568895.49
1313	1045+15.71	-9.00	267367.87	568895.69
1314	1046+16.50	-3.11	267368.07	568893.63
1315	1046+10.91	-1.00	267352.34	568892.22
1316	1046+15.71	-5.00	267367.57	568898.68
1317	1046+10.91	-61.00	267357.59	568772.49
1318	1045+16.03	-51.87	267346.32	568777.62
1319	1046+16.51	-55.60	267372.20	568779.36
1320	1045+13.94	-69.79	267351.70	568763.08
1321	1046+13.49	-70.82	267371.74	568763.95
1322	1044+56.84	-51.00	267260.77	568772.33
1323	1044+56.84	-50.37	267186.60	568772.07
1324	1044+37.95	-63.57	267192.03	568758.99
1325	1044+54.85	-64.47	267209.33	568758.78
1326	1044+22.37	-50.01	267175.68	568772.00
1327	1044+01.19	-49.40	267164.13	568772.00
1328	1044+03.43	-53.10	267156.75	568758.36
1329	1044+38.59	-63.93	267172.37	568757.37
1330	1046+36.93	-56.20	267393.79	568780.87
1331	1046+42.03	-70.23	267400.21	568767.41
1332	48+88.58	P -22.32	267038.80	568707.06
1333	48+62.88	P -9.75	267036.03	568681.41
1334	48+64.23	P -33.96	267030.25	568682.65
1335	48+85.01	P -35.74	267032.20	568703.41
1336	1044+32.48	48.50	267182.48	568870.79
1337	1044+74.39	48.50	267223.44	568872.54
1338	1044+35.34	66.99	267184.62	568889.36
1339	1044+71.18	66.71	267215.60	568890.58
1340	1044+38.29	-9.00	266950.20	568808.89
1341	1044+38.29	-6.00	266950.45	568811.89
1342	1044+33.32	-3.11	266950.49	568814.80
1343	1044+33.32	-1.00	266950.10	568806.54
1344	1044+33.32	-61.00	266936.11	568756.65
1345	1046+39.52	6.00	267390.04	568843.00
1346	1046+39.34	5.08	267389.78	568842.05
1347	1046+39.52	7.00	267389.36	568844.00
1348	1046+08.87	-68.89	267366.83	568765.41

DATA TABLE				REMARKS
POINT	STATION	OFF-SET	NORTHING EASTING	
1349	1041+98.96	46.00	266949.95	568863.90
1350	1041+98.96	81.00	266949.36	568898.89
1351	1042+33.94	79.70	266898.08	568898.18
1352	1042+65.73	80.30	267006.25	568893.31
1353	1042+66.02	70.32	267006.59	568893.38
1354	1042+90.96	46.00	267041.93	568865.44
1355	1042+91.01	71.00	267041.57	568890.44
1356	1045+45.15	45.99	267293.25	568874.38
1357	1045+44.35	57.00	267291.65	568885.30
1358	1045+55.06	65.43	267301.84	568893.52
1359	1045+91.61	56.85	267337.66	568890.77
1360	1046+02.76	57.00	267348.69	568890.14
1361	1046+01.80	45.99	267348.40	568879.09
1362	1046+35.46	45.99	267362.57	568880.43
1363	1046+14.85	57.00	267360.48	568893.28
1364	1046+25.97	58.00	267371.33	568893.38
1365	1041+37.86	46.00	266950.38	568771.89
1366	1041+37.85	71.00	266950.80	568776.89
1367	1042+22.85	71.62	266975.80	568776.69
1368	1041+25.11	21.00	266952.48	568706.23
1369	1041+22.11	11.11	266953.36	568706.02
1370	1041+31.80	12.40	266953.47	568756.67
1371	1041+31.80	34.79	267020.87	568756.36
1372	1042+64.33	38.55	267011.74	568720.47
1373	1043+23.81	46.00	267076.38	568774.01
1374	1043+22.18	54.11	267077.39	568774.01
1375	1042+32.72	54.11	267078.58	568756.53
1376	1042+32.72	72.46	267078.81	568756.57
1377	1042+32.72	72.46	267078.81	568756.57
1378	1041+88.76	48.50	266949.34	568758.24
1380	1042+89.57	49.86	267042.31	568758.58
1381	1041+03.63	-52.38	267056.25	568762.49
1382	1041+03.63	-52.38	267056.25	568762.49
1383	1041+03.63	-52.38	267056.25	568762.49
1384	1041+03.63	-52.38	267056.25	568762.49
1385	1041+03.63	-52.38	267056.25	568762.49
1386	1041+03.63	-52.38	267056.25	568762.49
1387	1041+03.63	-52.38	267056.25	568762.49
1388	1041+03.63	-52.38	267056.25	568762.49
1389	1041+03.63	-52.38	267056.25	568762.49
1390	1041+03.63	-52.38	267056.25	568762.49
1391	1041+03.63	-52.38	267056.25	568762.49
1392	1041+03.63	-52.38	267056.25	568762.49
1393	1041+03.63	-52.38	267056.25	568762.49
1394	1041+03.63	-52.38	267056.25	568762.49
1395	1041+03.63	-52.38	267056.25	568762.49
1396	1042+72.88	59.00	267032.14	568717.29
1397	1041+85.76	48.50	266939.71	568816.22
1398	1041+85.76	-2.75	266940.97	568816.22
1399	1041+85.76	-7.50	266940.93	568816.22
1400	1041+85.76	-62.00	266930.33	568816.22
1401	1042+14.72	74.85	266968.73	568706.21
1402	1041+85.76	58.00	266939.20	568755.70
1403	1041+85.76	53.00	266941.57	568755.74
1404	1041+85.76	58.00	266932.42	568755.72
1405	1041+85.76	58.00	266932.42	568755.72
1406	1041+85.76	58.00	266932.42	568755.72
1407	1041+85.76	58.00	266932.42	568755.72
1408	1041+85.76	58.00	266932.42	568755.72
1409	1041+85.76	58.00	266932.42	568755.72
1410	1041+85.76	58.00	266932.42	568755.72
1411	1041+85.76	58.00	266932.42	568755.72
1412	1041+85.76	58.00	266932.42	568755.72
1413	1041+85.76	58.00	266932.42	568755.72
1414	1041+85.76	58.00	266932.42	568755.72
1415	1041+85.76	58.00	266932.42	568755.72
1416	1041+85.76	58.00	266932.42	568755.72
1417	1041+85.76	58.00	266932.42	568755.72
1418	1041+85.76	58.00	266932.42	568755.72
1419	1041+85.76	58.00	266932.42	568755.72
1420	1041+85.76	58.00	266932.42	568755.72
1421	1041+85.76	58.00	266932.42	568755.72
1422	1041+85.76	58.00	266932.42	568755.72
1423	1041+85.76	58.00	266932.42	568755.72
1424	1041+85.76	58.00	266932.42	568755.72
1425	1041+85.76	58.00	266932.42	568755.72
1426	1041+85.76	58.00	266932.42	568755.72
1427	1041+85.76	58.00	266932.42	568755.72
1428	1041+85.76	58.00	266932.42	568755.72
1429	1041+85.76	58.00	266932.42	568755.72
1430	1041+85.76	58.00	266932.42	568755.72
1431	1041+85.76	58.00	266932.42	568755.72
1432	1041+85.76	58.00	266932.42	568755.72
1433	1041+85.76	58.00	266932.42	568755.72
1434	1041+85.76	58.00	266932.42	568755.72
1435	1041+85.76	58.00	266932.42	568755.72
1436	1041+85.76	58.00	266932.42	568755.72
1437	1041+85.76	58.00	266932.42	568755.72
1438	1041+85.76	58.00	266932.42	568755.72
1439	1041+85.76	58.00	266932.42	568755.72
1440	1041+85.76	58.00	266932.42	568755.72
1441	1041+85.76	58.00	266932.42	568755.72
1442	1041+85.76	58.00	266932.42	568755.72
1443	1041+85.76	58.00	266932.42	568755.72
1444	1041+85.76	58.00	266932.42	568755.72
1445	1041+85.76	58.00	266932.42	568755.72
1446	1041+85.76	58.00	266932.42	568755.72
1447	1041+85.76	58.00	266932.42	568755.72
1448	1041+85.76	58.00	266932.42	568755.72
1449	1041+85.76	58.00	266932.42	568755.72
1450	1041+85.76	58.00	266932.42	568755.72
1451	1041+85.76	58.00	266932.42	568755.72
1452	1041+85.76	58.00	266932.42	568755.72
1453	1041+85.76	58.00	266932.42	568755.72
1454	1041+85.76	58.00	266932.42	568755.72
1455	1041+85.76	58.00	266932.42	568755.72
1456	1041+85.76	58.00	266932.42	568755.72
1457	1041+85.76	58.00	266932.42	568755.72
1458	1041+85.76	58.00	266932.42	568755.72
1459	1041+85.76	58.00	266932.42	568755.72
1460	1041+85.76	58.00	266932.42	568755.72
1461	1041+85.76	58.00	266932.42	568755.72
1462	1041+85.76	58.00	266932.42	568755.72
1463	1041+85.76	58.00	266932.42	568755.72
1464	1041+85.76	58.00	266932.42	568755.72
1465	1041+85.76	58.00	266932.42	568755.72
1466	1041+85.76	58.00	266932.42	568755.72
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1468	1041+85.76	58.00	266932.42	568755.72
1469	1041+85.76	58.00	266932.42	568755.72
1470	1041+85.76	58.00	266932.42	568755.72
1471	1041+85.76	58.00	266932.42	568755.72
1472	1041+85.76	58.00	266932.42	568755.72
1473	1041+85.76	58.00	266932.42	568755.72
1474	1041+85.76	58.00	266932.42	568755.72
1475	1041+85.76	58.00	266932.42	568755.72
1476	1041+85.76	58.00	266932.42	568755.72
1477	1041+85.76	58.00	266932.42	568755.72
1478	1041+85.76	58.00	266932.42	568755.72
1479	1041+85.76	58.00	266932.42	568755.72
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1481	1041+85.76	58.00	266932.42	568755.72
1482	1041+85.76	58.00	266932.42	568755.72
1483	1041+85.76	58.00	266932.42	568755.72
1484	1041+85.76	58.00	266932.42	568755.72
1485	1041+85.76	58.00	266932.42	568755.72
1486	1041+85.76	58.00	266932.42	568755.72
1487	1041+85.76	58.00	266932.42	568755.72
1488	1041+85.76	58.00	266932.42	568755.72
1489	1041+85.76	58.00	266932.42	568755.72
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1491	1041+85.76	58.00	266932.42	568755.72
1492	1041+85.76	58.00	266932.42	568755.72
1493	1041+85.76	58.00	266932.42	568755.72
1494	1041+85.76	58.00	266932.42	568755.72
1495	1041+85.76	58.00	266932.42	568755.72
1496	1041+85.76	58.00	266932.42	568755.72
1497	1041+85.76	58.00	266932.42	568755.72
1498	1041+85.76	58.00	266932.42	568755.72
1499	1041+85.76	58.00	266932.42	568755.72
1500	1041+85.76	58.00	266932.42	568755.72

PROPOSED SIGNAL PULL BOX
PROPOSED SIGNAL POLE
PROPOSED MONOTUBE SIGNAL POLE
PROPOSED MANHOLE
PROPOSED INLET
CURB RAMP DETECTABLE WARNING

ELEVATION SHOWN ON THE PLANS ARE FOR INFORMATION PURPOSE ONLY. CONTRACTOR SHALL VERIFY ELEVATION PRIOR TO CURB RAMP CONSTRUCTION.

SEE STANDARD DETAIL DRAWING CURB RAMPS
TYPE 2, 3, 4B, 5, 6, 7A, AND 7B FOR
FURTHER DETAILS.

* MAXIMUM 2% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL

** MAXIMUM 7% CURB RAMP SLOPE

POINT #	DATA TABLE				REMARK
	NORTHING	EASTING	STATION	OFFSET	
AA34	267021.33	568980.60	1042+70.62	61.50	794.09
AA35	267024.52	568980.65	1042+73.81	61.50	794.16
AA36	267024.61	568875.65	1042+73.81	56.50	794.24
AA37	267030.52	568880.75	1042+79.81	61.50	794.26
AA38	267030.61	568875.75	1042+79.81	56.50	794.34
AA39	267051.69	568881.11	1043+00.98	61.50	794.70
AA40	267056.69	568881.19	1043+05.98	61.50	794.68
AA41	267051.77	568876.11	1043+00.98	56.50	794.62
AA42	267056.77	568876.19	1043+05.98	56.50	794.60
AA43	267051.90	568868.11	1043+00.98	48.50	794.49
AA44	267056.90	568868.19	1043+05.98	48.50	794.47

USH 45 / STH 100



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 131
September 1, 2017

THIS SHEET APPLIES TO CURB RAMP
DETAIL SHEET 1 TO 8

ORIGINAL PLANS PREPARED BY



3636 North 124th Street
Wauwatosa, WI 53222
262-821-1171

4/26/17
(Date)

(Signature)

PROJECT NO: 2040-11-70

H.W.V.: USH 45/STH 100

COUNTY: MILWAUKEE

CURB RAMP DETAIL: ABBOTT AVENUE NE

SHEET 131

K Singh Sheet 1 of 8

FILE NAME : P:\9501 USH 45-SH 100 STRAND\Transportation\CA03\8501\Sheets\Plan\BAMP DETAILS.NEC ABBOTT.dgn

PLOT NAME : PLOT SCALE : 5,0000 ST / IN.

WISDOT/CADDs SHEET 42



POINT #	NORTHING	EASTING	DATA TABLE			REMARK
			STATION	OFFSET	ELEVATION	
AA11	267049.12	568752.81	1042-96.26	-66.74	794.50	
AA12	267055.40	568756.68	1043-02.60	-62.97	794.45	
AA13	267046.18	568756.85	1042-93.38	-62.65	794.42	
AA14	267053.10	568761.12	1042-00.38	-58.49	794.37	
AA15	267039.47	568757.24	1042-66.68	-62.15	794.40	BOC
AA16	267047.72	568763.27	1042-95.04	-66.25	794.33	BOC
AA17	267056.16	568757.07	1043-03.37	-62.50	794.33	
AA18	267060.65	568759.00	1043-07.89	-60.74	794.27	
AA19	267053.95	568761.55	1043-01.23	-58.08	794.26	
AA20	267058.91	568763.69	1043-06.23	-56.02	794.19	
AA21	267053.86	568766.48	1043-01.23	-53.15	794.18	BOC
AA22	267056.83	568768.44	1043-06.22	-51.28	794.14	BOC

USH 45 / STH 100

PROJECT NO: 204C-II-70	HWY: USH 45/STH 100	COUNTY: MILWAUKEE	CURB RAMP DETAIL: ABBOTT AVENUE NW	SHEET 132	E
FILE NAME : P:\4501 USH 45-STH 100 STRAIGHT CONNECTION\CD\35515\SnapShot\plan\SRAMP DETAIL\LS.MXD	ABBOTT.dgn				
		PLOT DATE : 8/23/2017	PLOT BY : michon	PLOT NAME :	PLOT SCALE : 1"=1000' sf / in.
					WISDOT/CADDIS SHEET 42

LEGEND

- PROPOSED SIGNAL PULL BOX
- PROPOSED SIGNAL POLE
- PROPOSED MONOTUBE SIGNAL POLE
- PROPOSED MANHOLE
- PROPOSED INLET
- CURB RAMP DETECTABLE WARNING FIELD

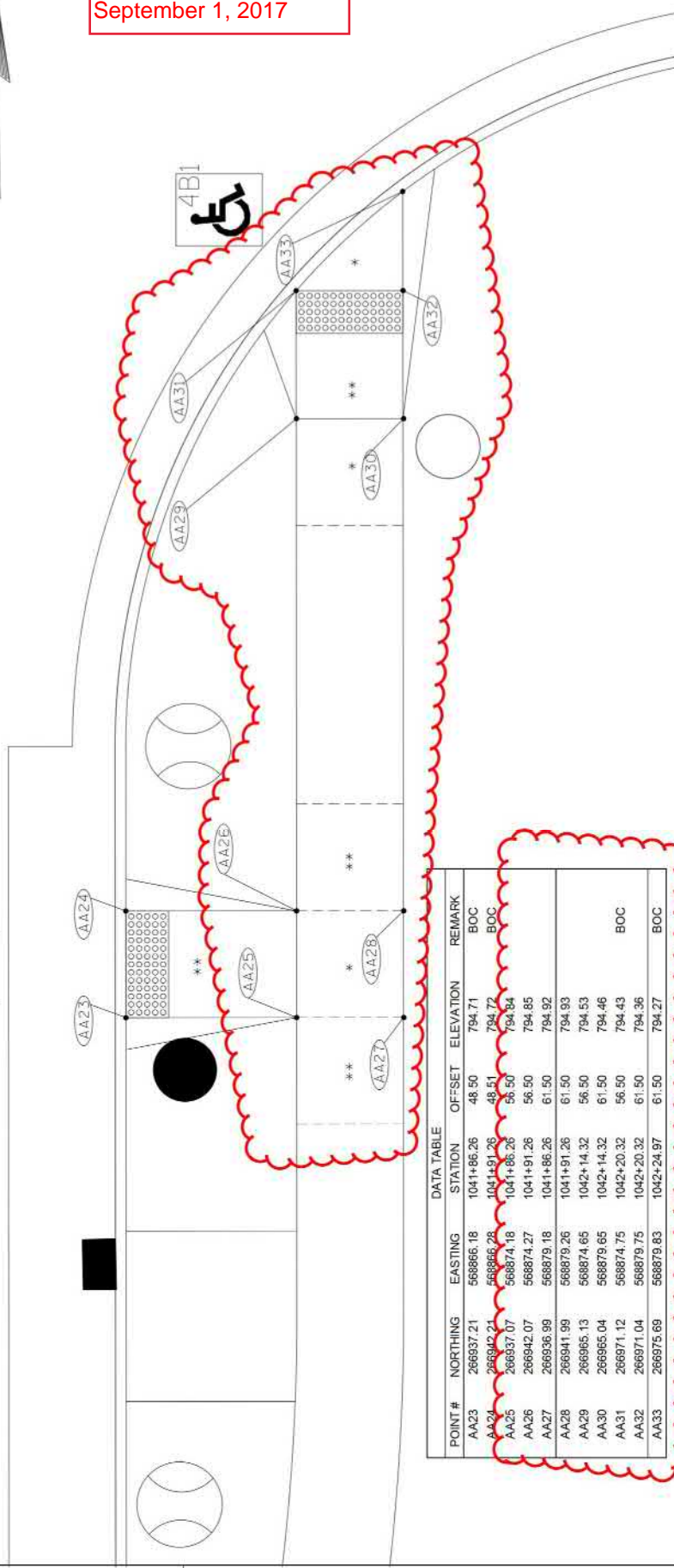
NOTES:
ELEVATION SHOWN ON THE PLANS ARE FOR INFORMATION PURPOSE ONLY. CONTRACTOR SHALL VERIFY ELEVATION PRIOR TO CURB RAMP CONSTRUCTION.
SEE STANDARD DETAIL DRAWING CURB RAMPS TYPE 2, 3, 4BL, 5, 6, 7A, AND 7B FOR FURTHER DETAILS.
* MAXIMUM 2% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL
** MAXIMUM 7% CURB RAMP SLOPE

KSINGH SHEET 3 OF 8

US 45/STH 100



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 133
September 1, 2017



POINT #	NORTHING	EASTING	STATION	OFFSET	ELEVATION	REMARK
AA23	266937.21	568866.18	104+86.26	48.50	794.71	BOC
AA24	266942.21	568866.26	104+91.26	48.51	794.72	BOC
AA25	266937.07	568874.18	104+86.26	56.50	794.84	
AA26	266942.07	568874.27	104+91.26	56.50	794.85	
AA27	266936.99	568879.18	104+86.26	61.50	794.92	
AA28	266941.99	568879.26	104+91.26	61.50	794.93	
AA29	266965.13	568874.65	1042+14.32	56.50	794.53	
AA30	266965.04	568879.65	1042+14.32	61.50	794.46	
AA31	266971.12	568874.75	1042+20.32	56.50	794.43	BOC
AA32	266971.04	568879.75	1042+20.32	61.50	794.36	
AA33	266975.69	568879.83	1042+24.97	61.50	794.27	BOC

ABBOTT AVENUE

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 134
September 1, 2017

USH 45 / STH 100



POINT #	NORTHING	EASTING	STATION	OFFSET	ELEVATION	REMARK
AA01	266939.00	568759.70	1041+86.26	-58.00	794.93	
AA02	266943.99	568759.78	1041+91.26	-58.00	794.93	
AA03	266938.91	568764.70	1041+86.26	-53.00	794.85	
AA04	266943.91	568764.78	1041+91.26	-53.00	794.85	
AA05	266938.84	568769.20	1041+86.26	-48.50	794.79	BOC
AA06	266943.84	568769.28	1041+91.26	-48.50	794.72	BOC
AA07	266957.04	568762.00	1042+04.34	-56.00	794.64	
AA08	266956.95	568767.00	1042+04.34	-51.00	794.57	
AA09	266968.03	568761.37	1042+15.32	-56.82	794.09	BOC
AA10	266961.37	568766.76	1042+08.75	-51.32	794.55	BOC

LEGEND



NOTES:

ELEVATION SHOWN ON THE PLANS ARE FOR INFORMATION PURPOSE ONLY. CONTRACTOR SHALL VERIFY ELEVATION PRIOR TO CURB RAMP CONSTRUCTION.

SEE STANDARD DETAIL DRAWING CURB RAMP TYPE 2, 3, 4B1, 5, 6, 7A, AND 7B FOR FURTHER DETAILS.

* MAXIMUM 2% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL

** MAXIMUM 7% CURB RAMP SLOPE

KSNCH SHEET 4 OF 8

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

CURB RAMP DETAIL: ABBOTT AVENUE SW

SHEET 134

E

PLOT SCALE: 5,0000 ST / IN.

PLOT NAME:

PLOT BY: mson

PLOT DATE: 8/23/2017

FILE NAME: P:\BDD\USH 45\STH 100 STRAIGHT\Transformation\CA03\B501\Smetep\lan\AMP DETAILS.SWC ABBOTT.dgn

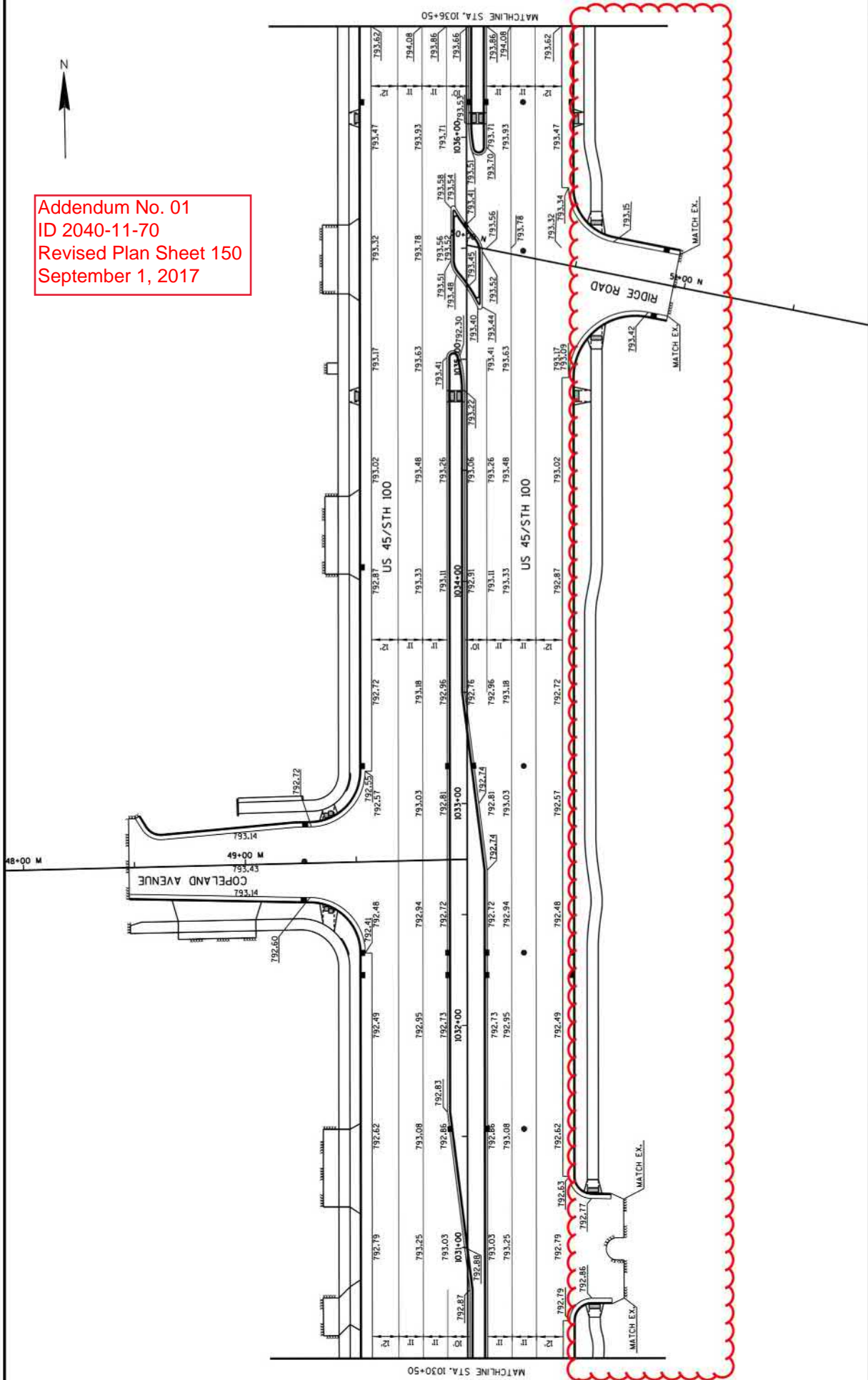
WISDOT/CADD SHEET 42



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 149
September 1, 2017

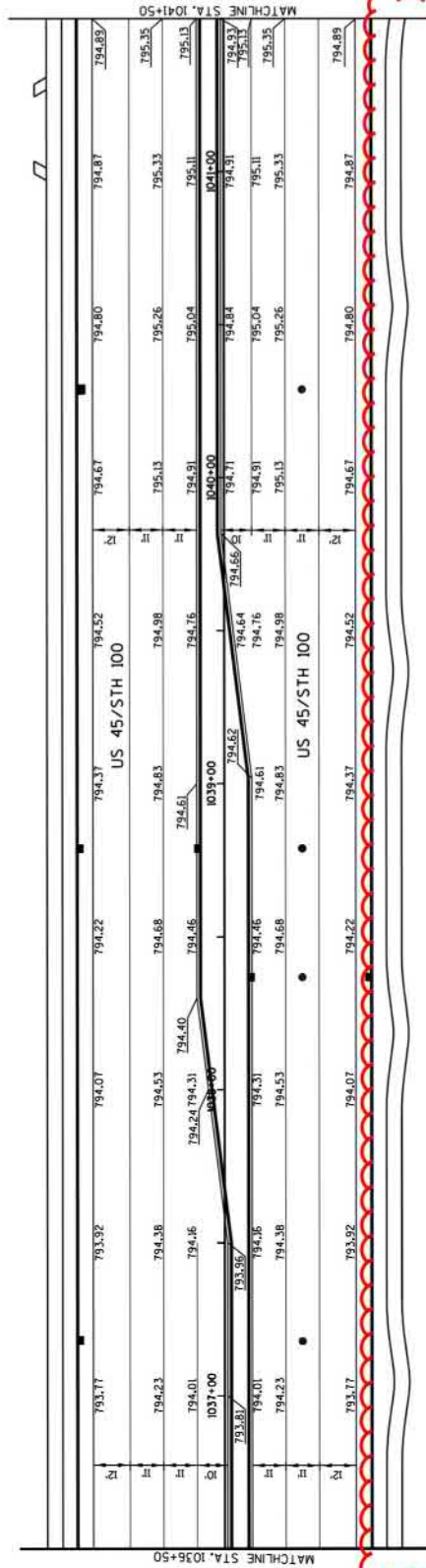


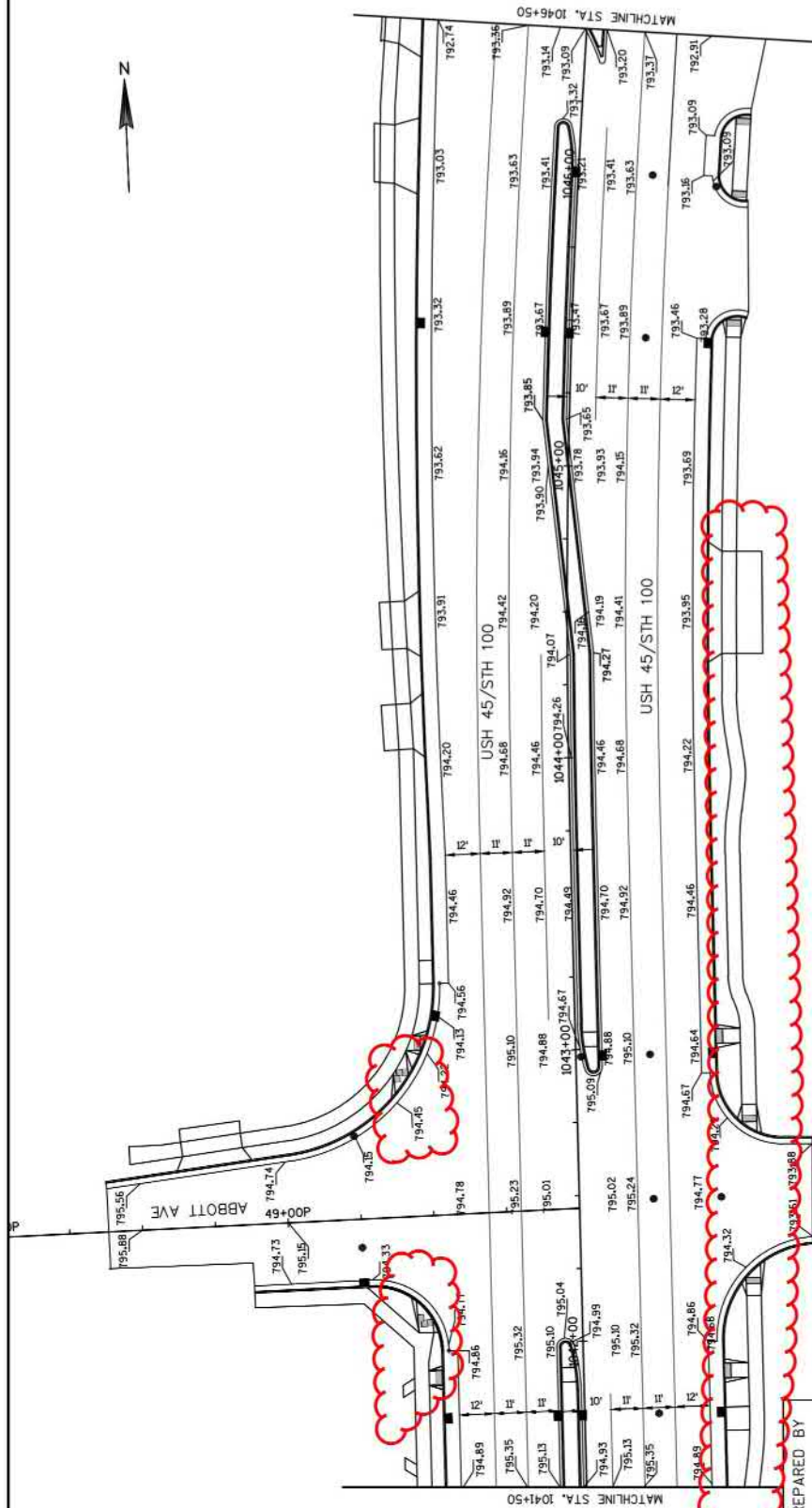
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 150
September 1, 2017





Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 151
September 1, 2017





Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 152
September 1, 2017

KSINGH SHEET 1 OF 7

ORIGINAL PLANS PREPARED BY

KSingh
Engineers
Scientists
Consultants
300 North 10th Street
Milwaukee, WI 53227
262.671.1171



5/1/17
Date: _____
Signature: _____
THIS STAMP APPLIES TO PAVING GRADE
SHEETS 1 TO 7 OF 7

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

PAVING GRADES

PLOT DATE : 8/19/2017 11:10 PM

PLOT NAME :

SHEET 152

E

FILE NAME : F:\NBD1 USH 45-STH 100 STRANDTRANSPORTATION\NBD1\KSHEET\PLAN\KSA15TH 100-021301.PG.DWG

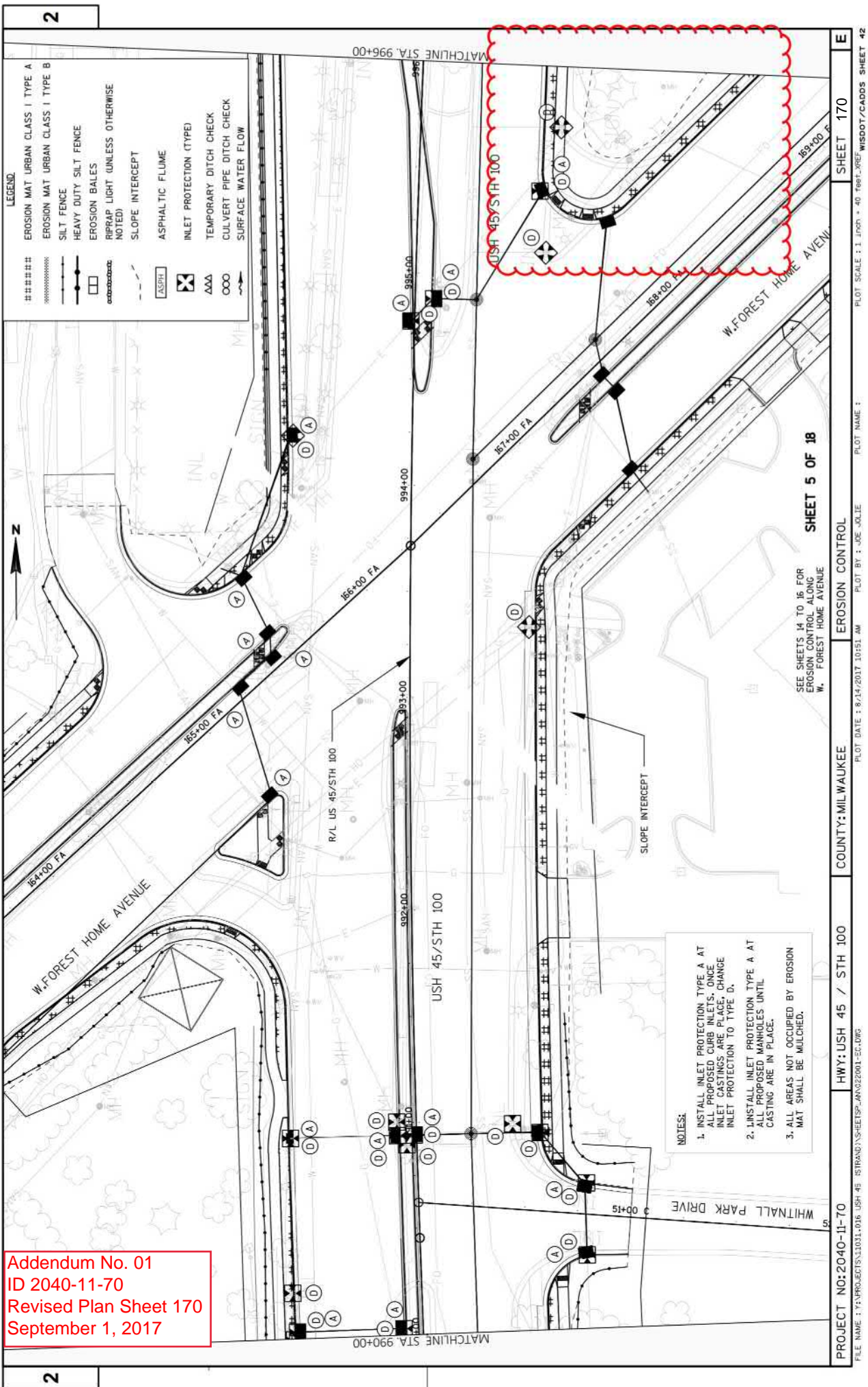
LAYOUT NAME : KSA15TH 100-021301.PG - STH100.PG

PLOT BY : MOAZ KHAN

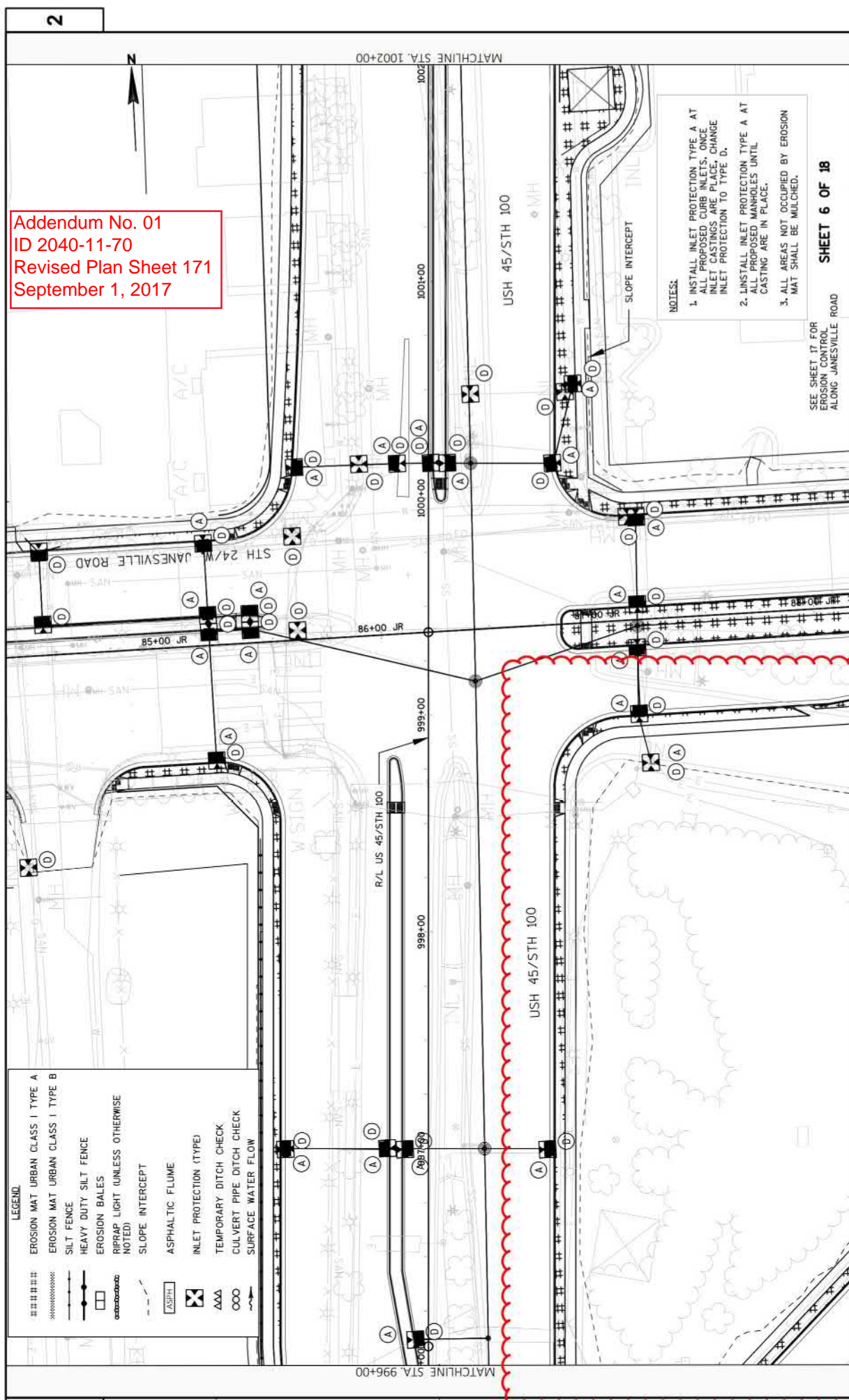
PLOT SCALE : 1 IN=40 FT

WISDOT/CADD SHEET 42

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 170
September 1, 2017



LEGEND	
#####	EROSION MAT URBAN CLASS TYPE A
#####	EROSION MAT URBAN CLASS TYPE B
#####	SILT FENCE
#####	HEAVY DUTY SILT FENCE
#####	EROSION BALES
#####	RIPRAP LIGHT (UNLESS OTHERWISE NOTED)
#####	SLOPE INTERCEPT
#####	ASPHALTIC FLUME
#####	INLET PROTECTION (TYPE)
#####	TEMPORARY DITCH CHECK
#####	CULVERT PIPE DITCH CHECK
#####	SURFACE WATER FLOW

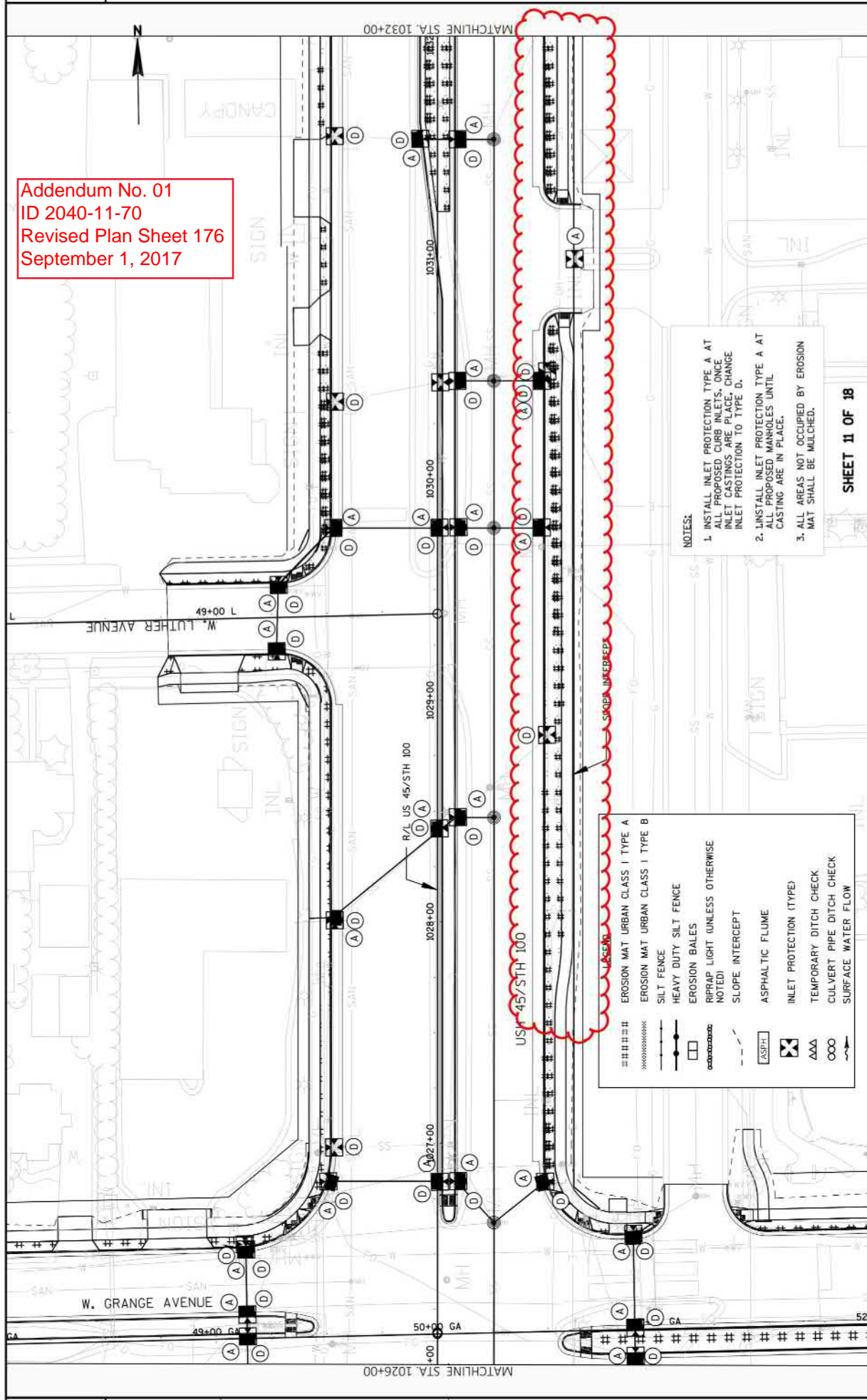


SEE SHEET 17 FOR
EROSION CONTROL
ALONG JAMESVILLE

NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE PLACED, CHANGE INLET PROTECTION TO TYPE D.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTING ARE IN PLACE.
3. ALL AREAS NOT OCCUPIED BY EROSION MAT SHALL BE MULCHED.

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 176
September 1, 2017



NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE D.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTING ARE IN PLACE.
3. ALL AREAS NOT OCCUPIED BY EROSION MAT SHALL BE MULCHED.

####	EROSION MAT URBAN CLASS I TYPE A
#####	EROSION MAT URBAN CLASS I TYPE B
----	SILT FENCE
----	HEAVY DUTY SILT FENCE
----	EROSION BALES
----	REPAIR LIGHT (UNLESS OTHERWISE NOTED)
----	SLOPE INTERCEPT
----	ASPHALTIC FLUME
----	INLET PROTECTION (TYPE)
----	TEMPORARY DITCH CHECK
----	CULVERT PIPE DITCH CHECK
----	SURFACE WATER FLOW

SHEET 11 OF 18



SHEET 177	E
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COUNTY: MILWAUKEE

PROJECT NO: 2040-11-70

FILE NAME : F:\PROJECTS\1031-016_USH_45_15\STRAND\ASHEESP\ANQ22001-EG.DWG PLOT DATE : 8/14/2017 10:53 AM PLOT BY : JOE WOLFE PLOT NAME : PLOT SCALE : 1:1000 x 40 Feet XREF WISDOT/CADDs SHEET 42



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 178
September 1, 2017

SEE SHEETS 1 OF 7 TO 5 OF 7 FOR
MAINLINE EROSION CONTROL FROM
STATION 1041+50 TO STATION 1065+50

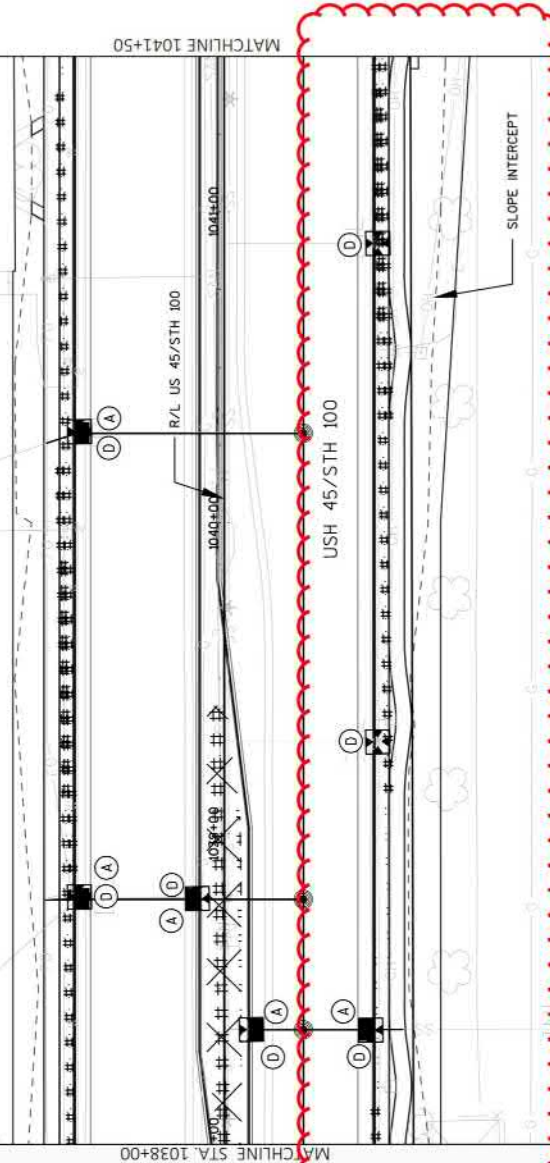
NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE D.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTING ARE IN PLACE.
3. ALL AREAS NOT OCCUPIED BY EROSION MAT SHALL BE MULCHED.

SHEET 13 OF 18

LEGEND

#####	EROSION MAT URBAN CLASS I TYPE A
#####	EROSION MAT URBAN CLASS I TYPE B
---	SILT FENCE
---	HEAVY DUTY SILT FENCE
---	EROSION BALES
---	RIPRAP LIGHT (UNLESS OTHERWISE NOTED)
---	SLOPE INTERCEPT
---	ASPHALTIC FLUME
---	INLET PROTECTION (TYPE)
---	TEMPORARY DITCH CHECK
---	CULVERT PIPE DITCH CHECK
---	SURFACE WATER FLOW



MATCHLINE STA. 172+00

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE D.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTING ARE IN PLACE.
3. ALL AREAS NOT OCCUPIED BY EROSION MAT SHALL BE MULCHED.

EROSION CONTROL

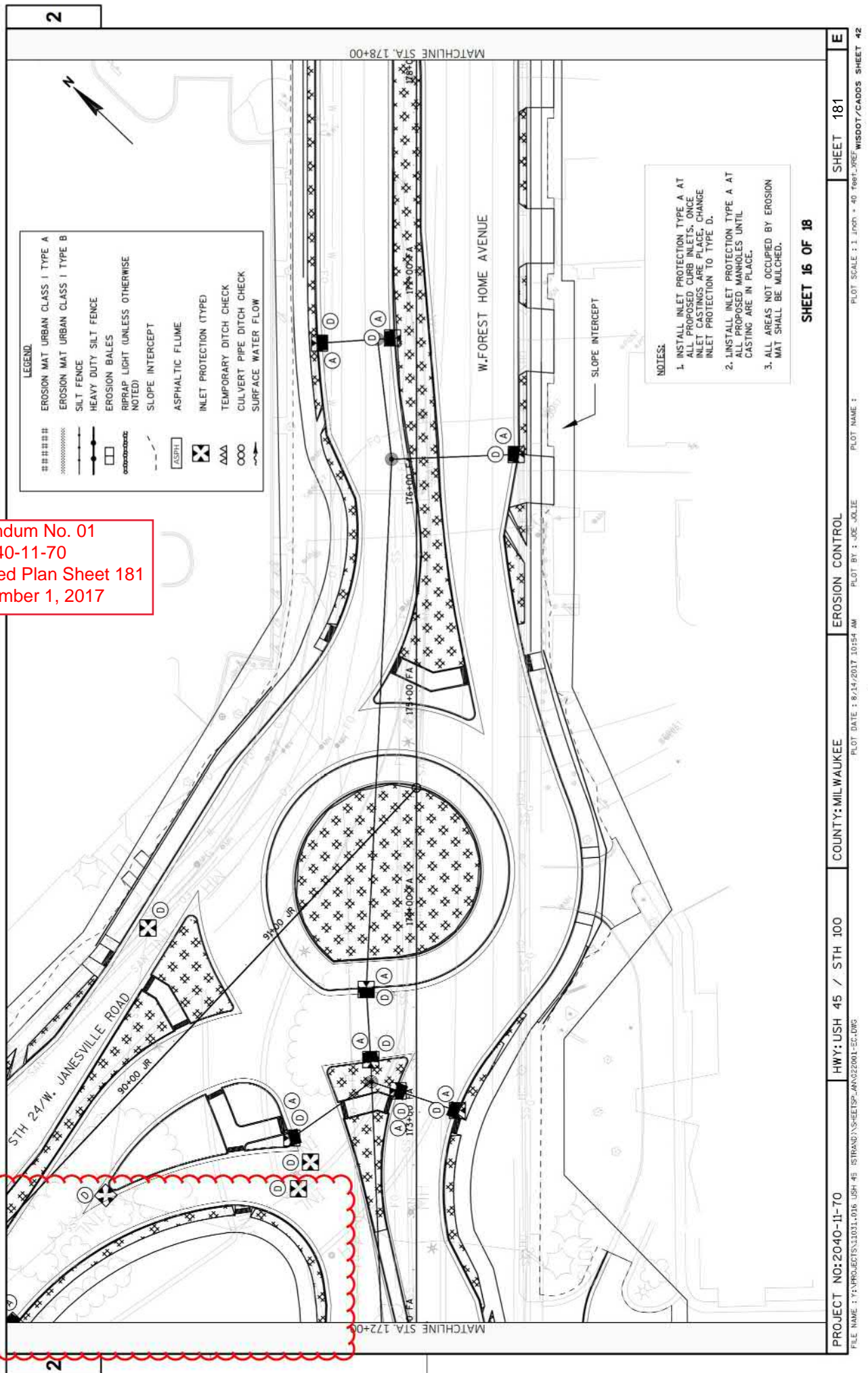
HWY: USH 45 / STH 100

PROJECT NO: 2040-11-70

FILE NAME : Y:\PROJECTS\1001-016_UB_48_15\BAND\NSHEEP-AWG\22001-2C.DWG
PLOT DATE : 8/24/2017 10:53 AM
PLOT BY : JOE JULIE
PLOT NAME :
PLOT SCALE : 1' = 40' T88T-REF
WISDOT/CADDs SHEET 42

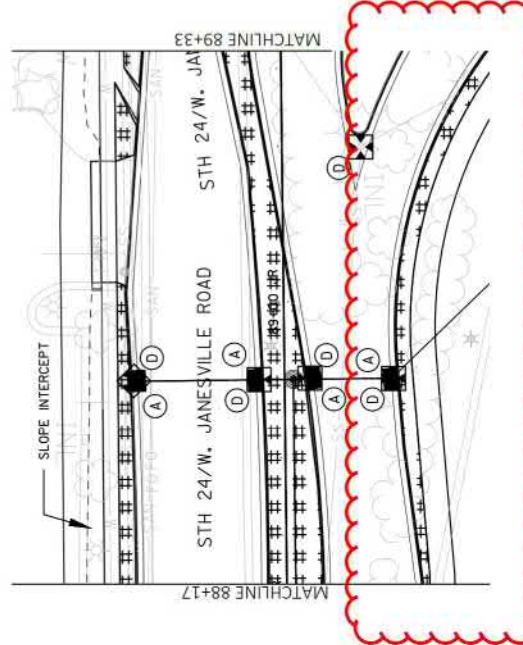
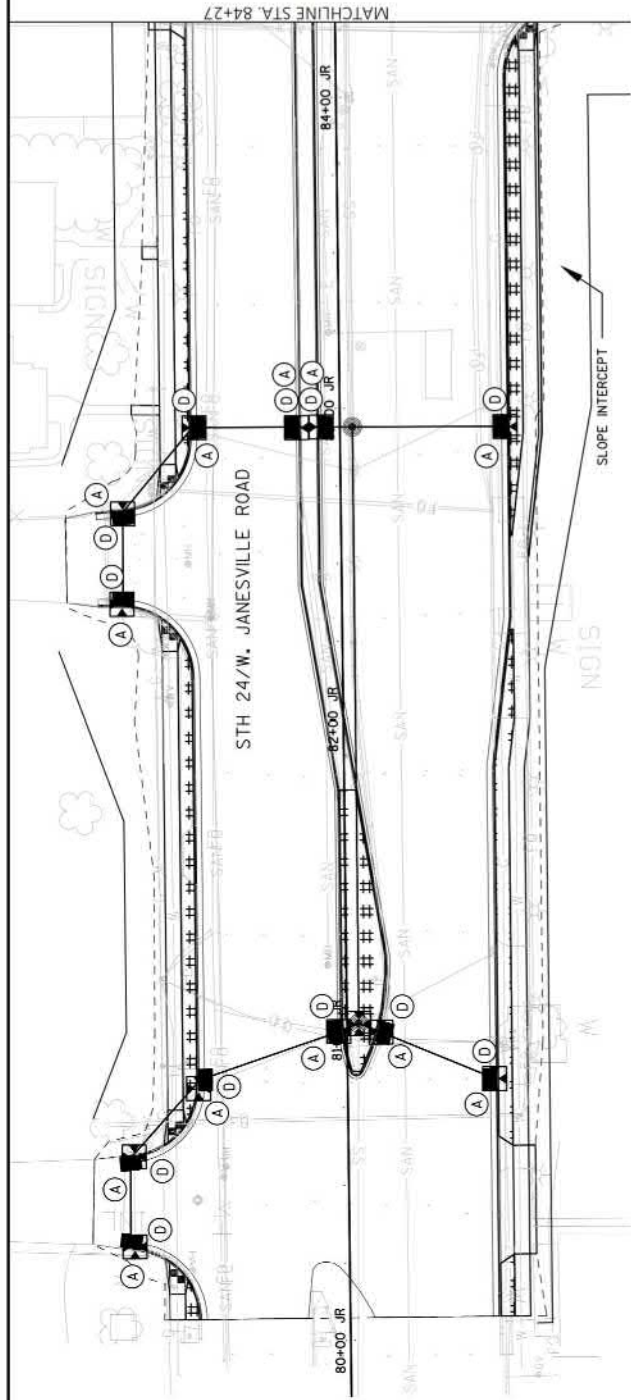
FILE NAME : Y:\PROJECTS\11031.016_USH_45_15TRAND\15-SHEETSP_ANN022001-EC.DWG

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 181
September 1, 2017



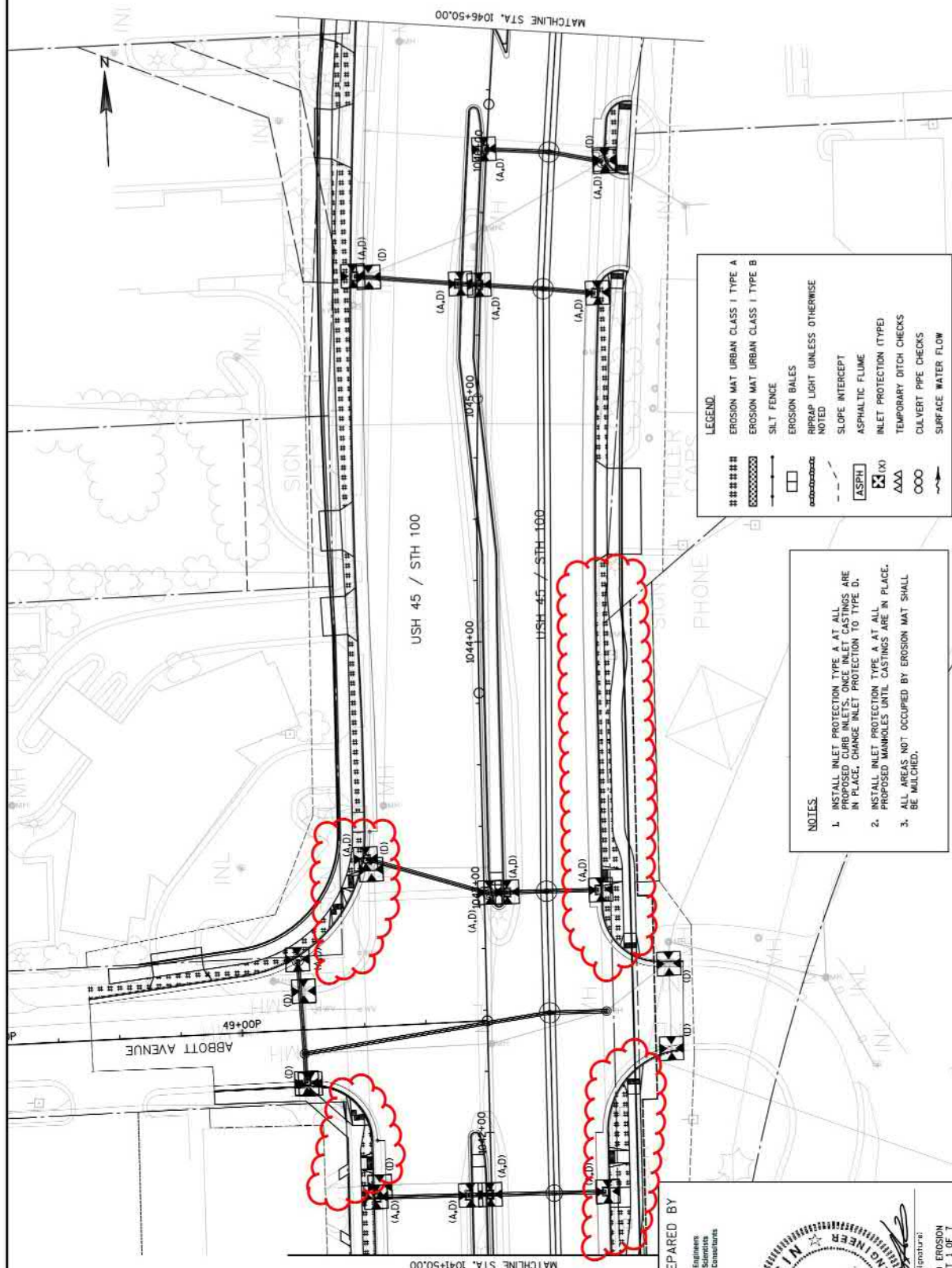
NOTES:

1. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED CURB INLETS. ONCE INLET CASTINGS ARE IN PLACE, CHANGE INLET PROTECTION TO TYPE D.
2. INSTALL INLET PROTECTION TYPE A AT ALL PROPOSED MANHOLES UNTIL CASTING ARE IN PLACE.
3. ALL AREAS NOT OCCUPIED BY EROSION MAT SHALL BE MULCHED.



SHEET 17 OF 18

PROJECT NO: 2040-11-70	HWY: USH 45 / STH 100	COUNTY: MILWAUKEE	EROSION CONTROL	E
FILE NAME : Y:\PROJECTS\11011\DR USH 45 - 15TRANS\1\SHEET\SP-ANG\22001-EG.DWG		PLOT DATE : 8/14/2017 10:54 AM		PLOT BY : JOE JULIE
		PLOT SCALE : 1" = 40' - 0"		PLOT NAME : WISDOT/CADDS SHEET 42



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 184
September 1, 2017

KSINGH SHEET 1 OF 7

ORIGINAL PLANS PREPARED BY

K Singh
Engineers
Scientists
Consultants
300 North 10th Street
PO Box 100
20801-1171



5/1/17

(Date)

THIS STAMP APPLIES TO EROSION
CONTROL STAGE 1 SHEET 1 OF 7

PROJECT NO: 2040-11-70

HWY: USH 45 / STH 100

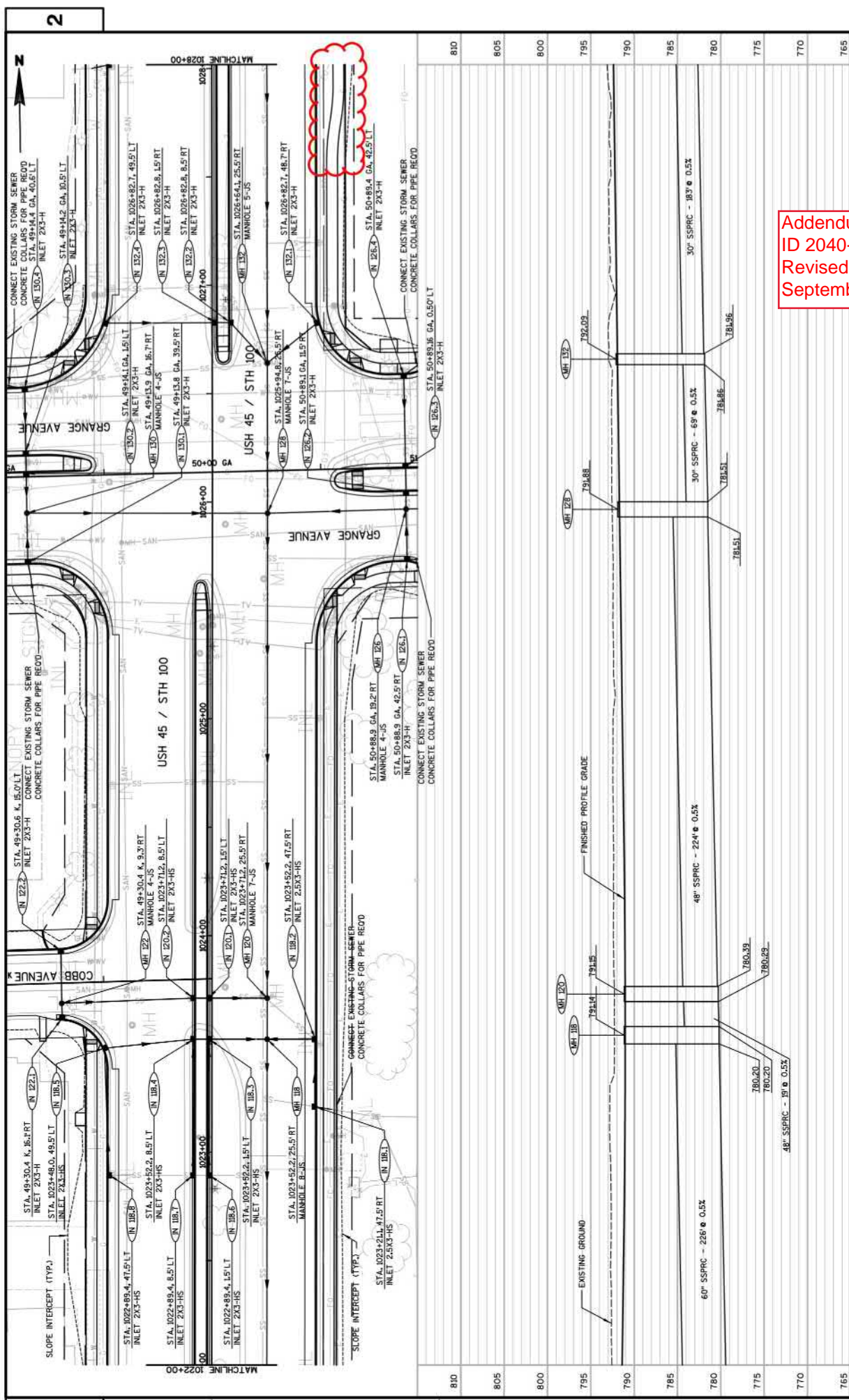
COUNTY: MILWAUKEE

EROSION CONTROL

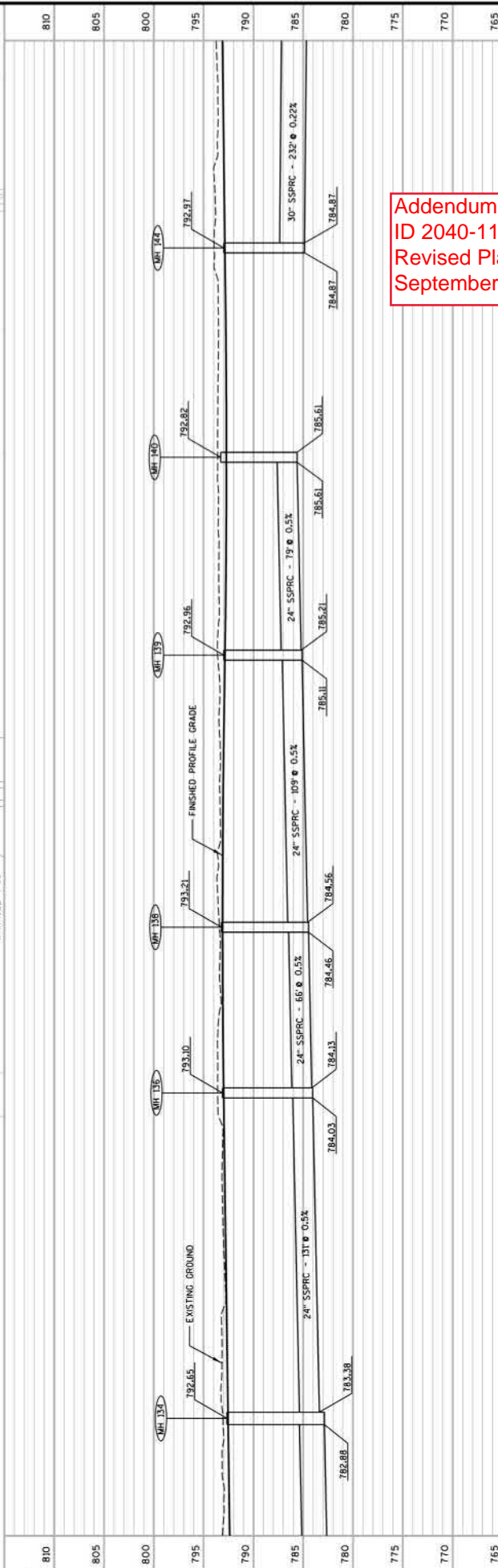
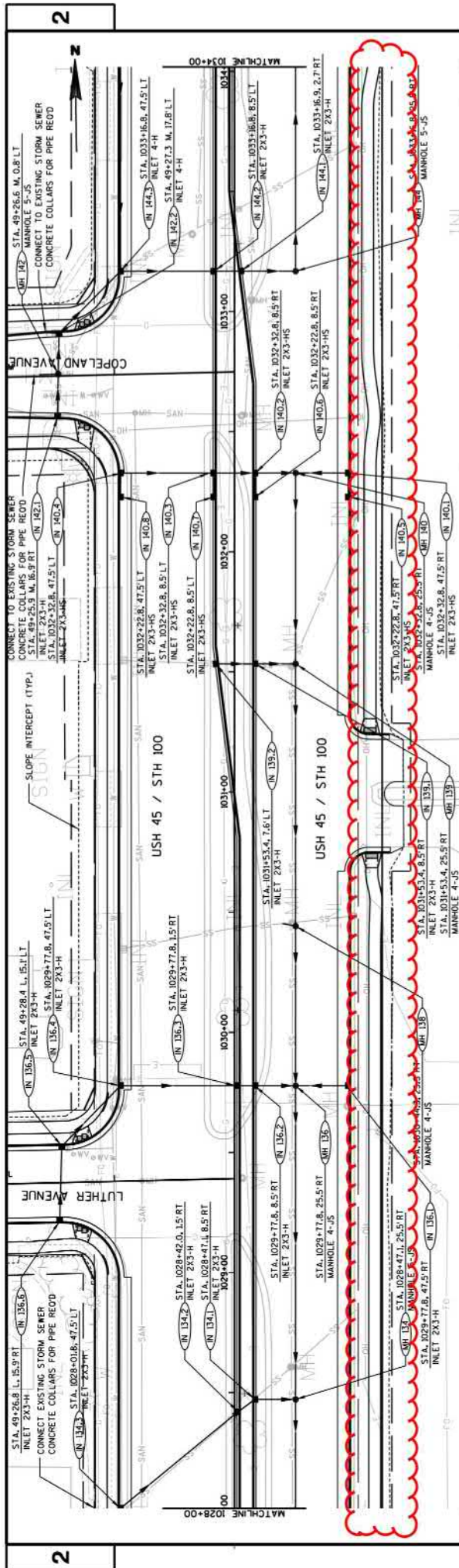
SHEET 184

E

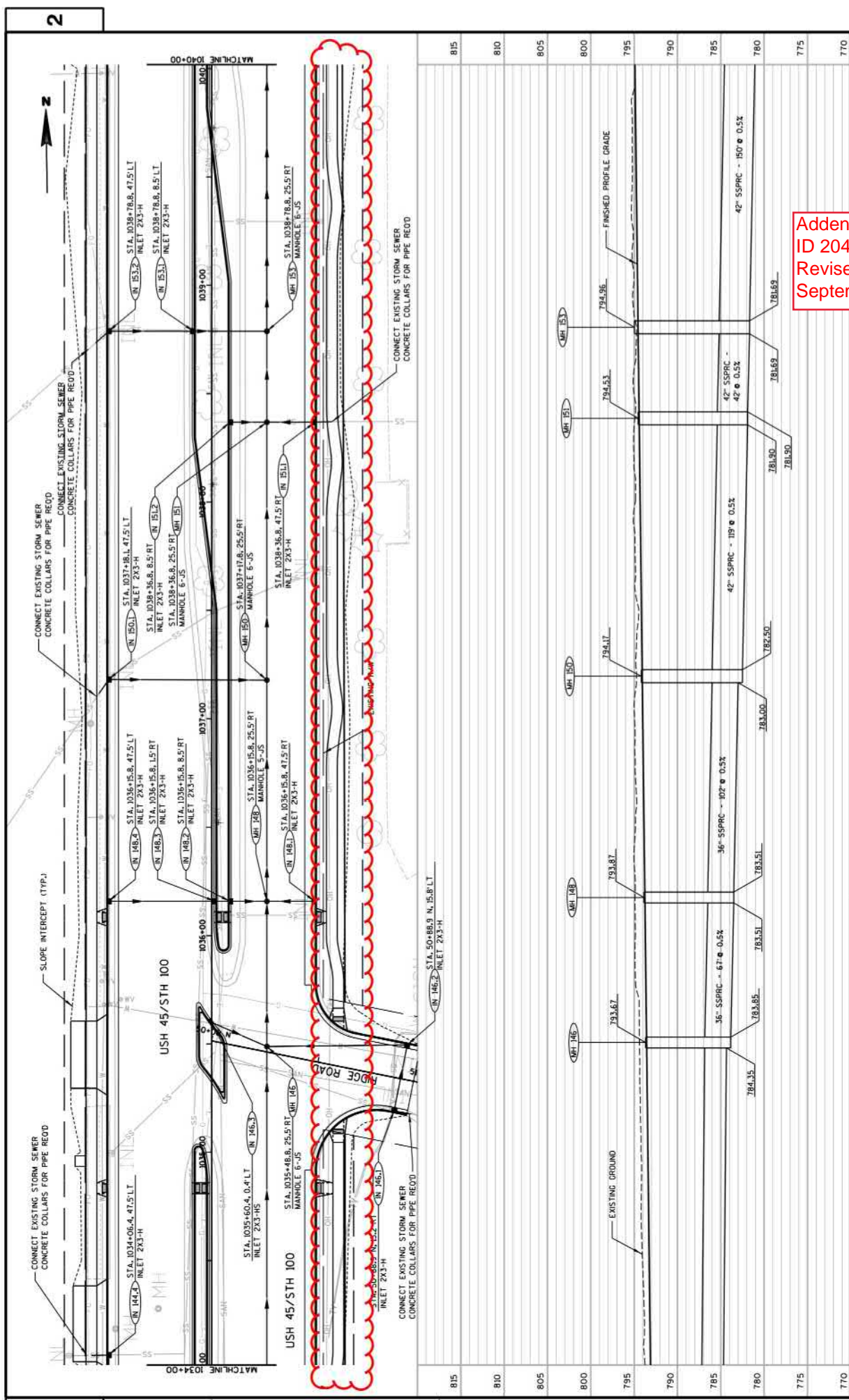
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LAYOUT NAME : KSAL_STH_100_022002.EC.COMBINED - STH_100_001.S1
PLOT NAME :
PLOT BY : MOAZ KHAN
PLOT DATE : 8/19/2017 1:20 PM
PLOT SCALE : 1 IN=40 FT
WISDOT/CADD SHEET 42



Addendum No. 01
 ID 2040-11-70
 Revised Plan Sheet 200
 September 1, 2017

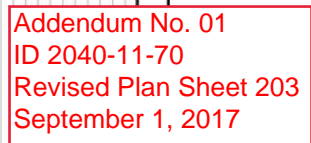


Addendum No. 01
 ID 2040-11-70
 Revised Plan Sheet 201
 September 1, 2017

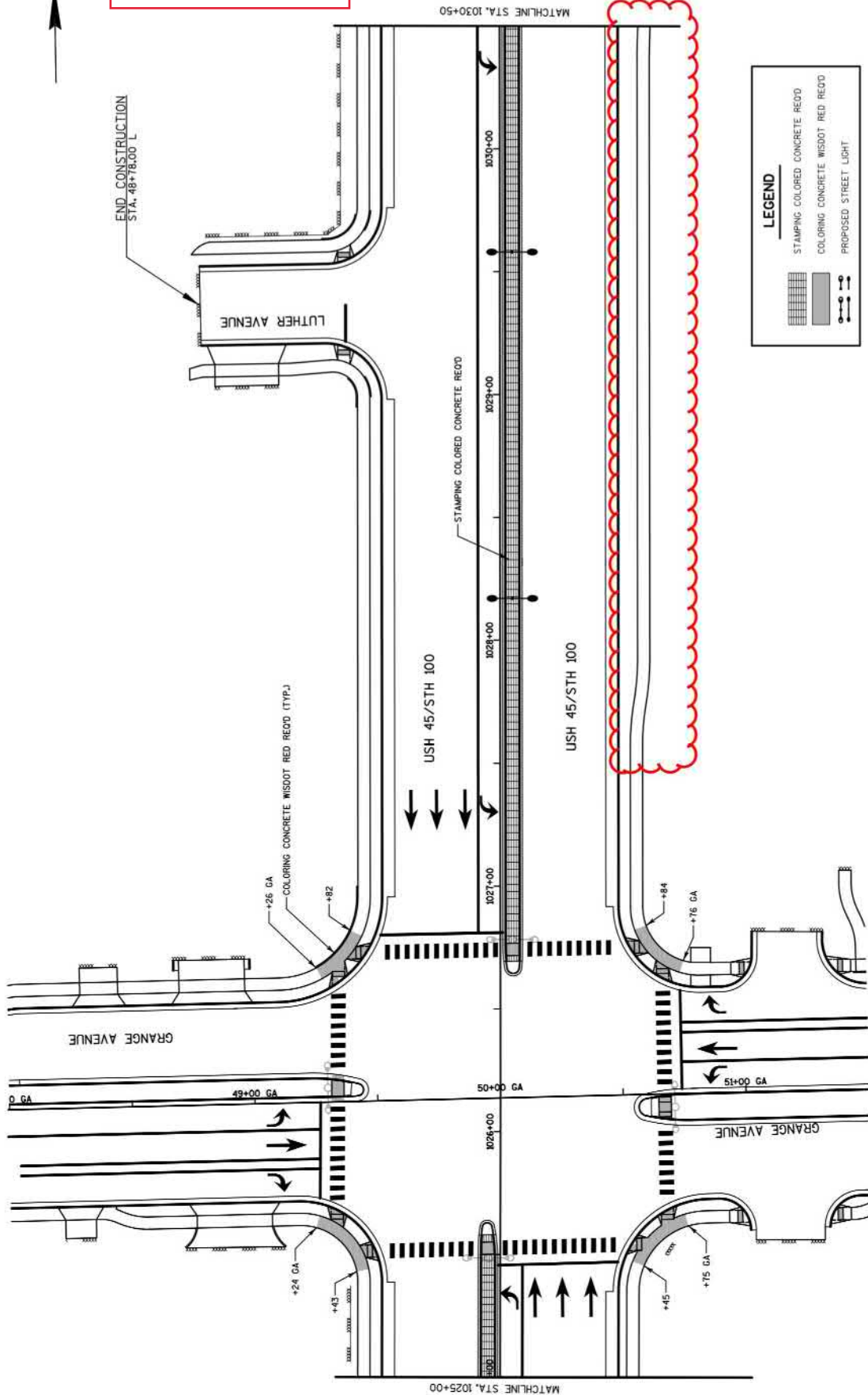


Addendum No. 01
 ID 2040-11-70
 Revised Plan Sheet 202
 September 1, 2017

PROJECT NO: 2040-11-70	HWY: USH 45/STH 100	COUNTY: MILWAUKEE	STORM SEWER	SHEET 202	E
FILE NAME : S:\MIL\1000-1099\1099\232\MI\proj\plan\202512.as.dgn					SCALE:.....88 WISDOT/CADD SHEET 41
PLOT DATE : 8/10/2017					PLOT BY : .user.name
PLOT NAME :					PLO



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 232
September 1, 2017



LEGEND	
	STAMPING COLORED CONCRETE REVD
	COLORING CONCRETE WISDOT RED REVD
	PROPOSED STREET LIGHT



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 233
September 1, 2017

END CONSTRUCTION
STA. 48+47.51 M

COPELAND AVENUE

USH 45/STH 100

USH 45/STH 100

MATCHLINE STA. 1030+50

MATCHLINE STA. 1036+50

END CONSTRUCTION
STA. 50+95.00 N
RIDGE ROAD

LEGEND

- STAMPING COLORED CONCRETE REDD
- COLORING CONCRETE WISDOT RED REDD
- PROPOSED STREET LIGHT

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

STREETSCAPING PLAN

SHEET 233

E

FILE NAME : S:\MIL\1000--1099\1099\233\Milwaukee\Plan\023112.plt.dgn

PLOT DATE : 8/16/2017

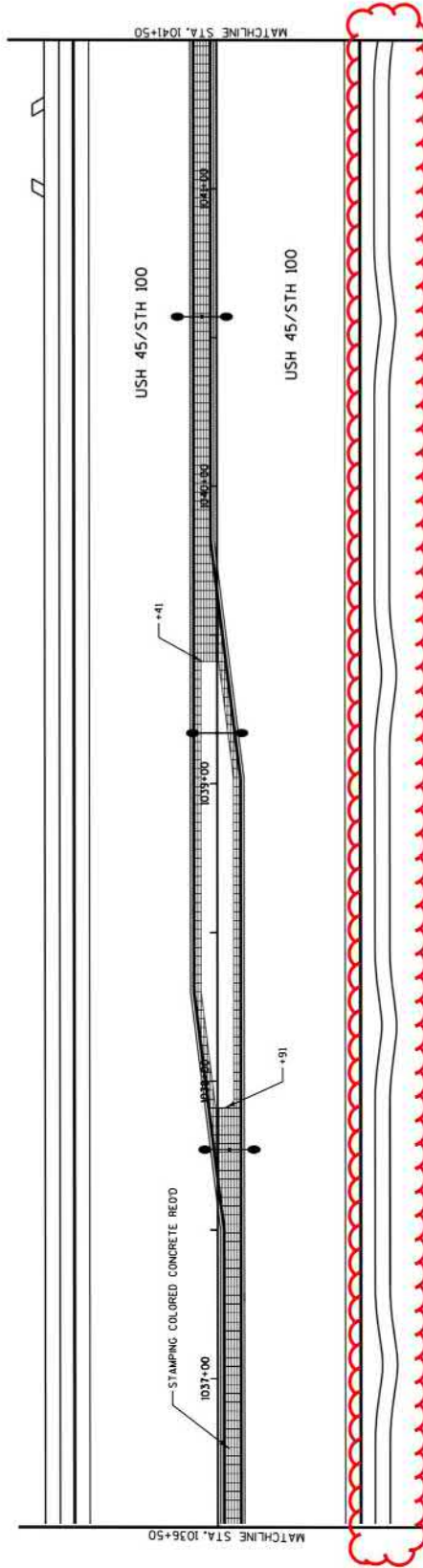
PLOT BY : .user.name

PLOT NAME :

PLOT SCALE : 88'.....plot scale.....88 WISDOT/CADD SHEET 42



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 234
September 1, 2017



LEGEND

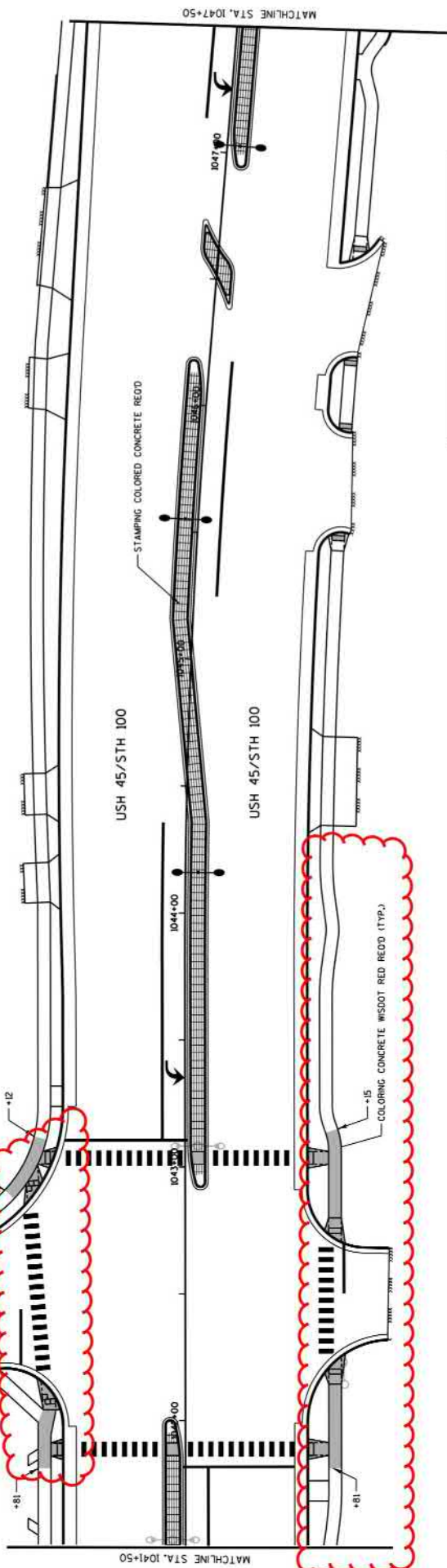
- STAMPING COLORED CONCRETE REOD
- COLORING CONCRETE WISDOT RED REOD
- PROPOSED STREET LIGHT

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 235
September 1, 2017



END CONSTRUCTION
STA. 48+38.11P

ABBOTT AVENUE



PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

STREETSCAPING PLAN

SHEET 235

E

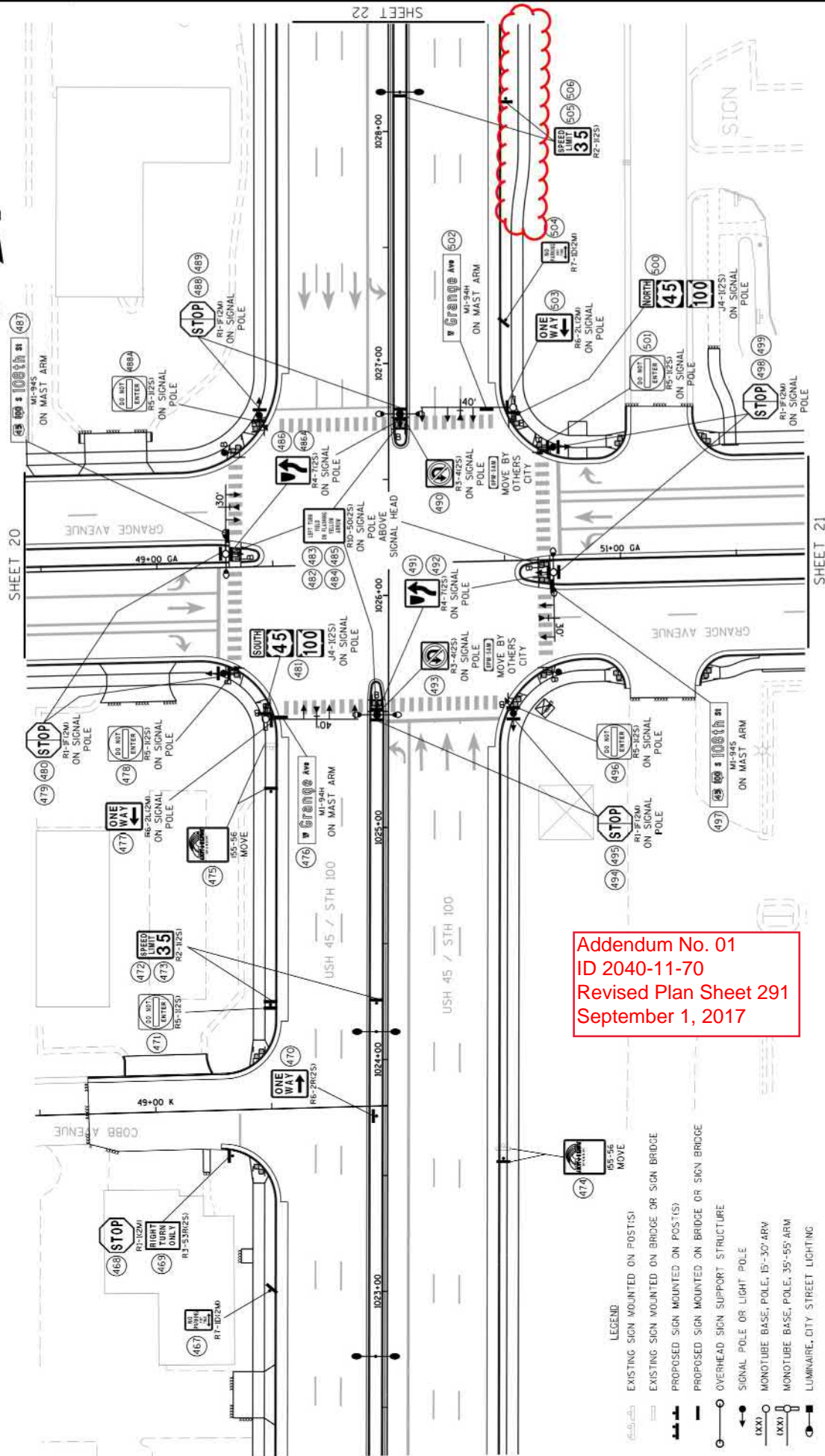
FILE NAME : S:\MIL\1000--1099\1099\235\Milwaukee\Plan\023114.dgn

PLOT DATE : 8/16/2017

PLOT BY : .username.

PLOT NAME :

PLOT SCALE : ##.....plot scale.....## WISDOT/CADD SHEET 42



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 291
September 1, 2017

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- OVERHEAD SIGN SUPPORT STRUCTURE
- SIGNAL POLE OR LIGHT POLE
- MONOTUBE BASE, POLE, 15'-30' ARM
- MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, CITY STREET LIGHTING
- EXISTING SIGN TO REMAIN
- DENOTES SIGN NUMBER

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

PERMANENT SIGNING PLAN

SHEET 291

SHEET 19 OF 31

FILE NAME : J:\projects\2040\1100\US\20401100\20401100.dwg

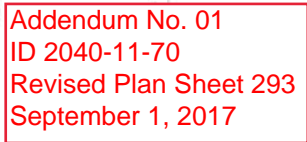
PLOT DATE : 18-AUG-2017 09:53

PLOT BY : d070m

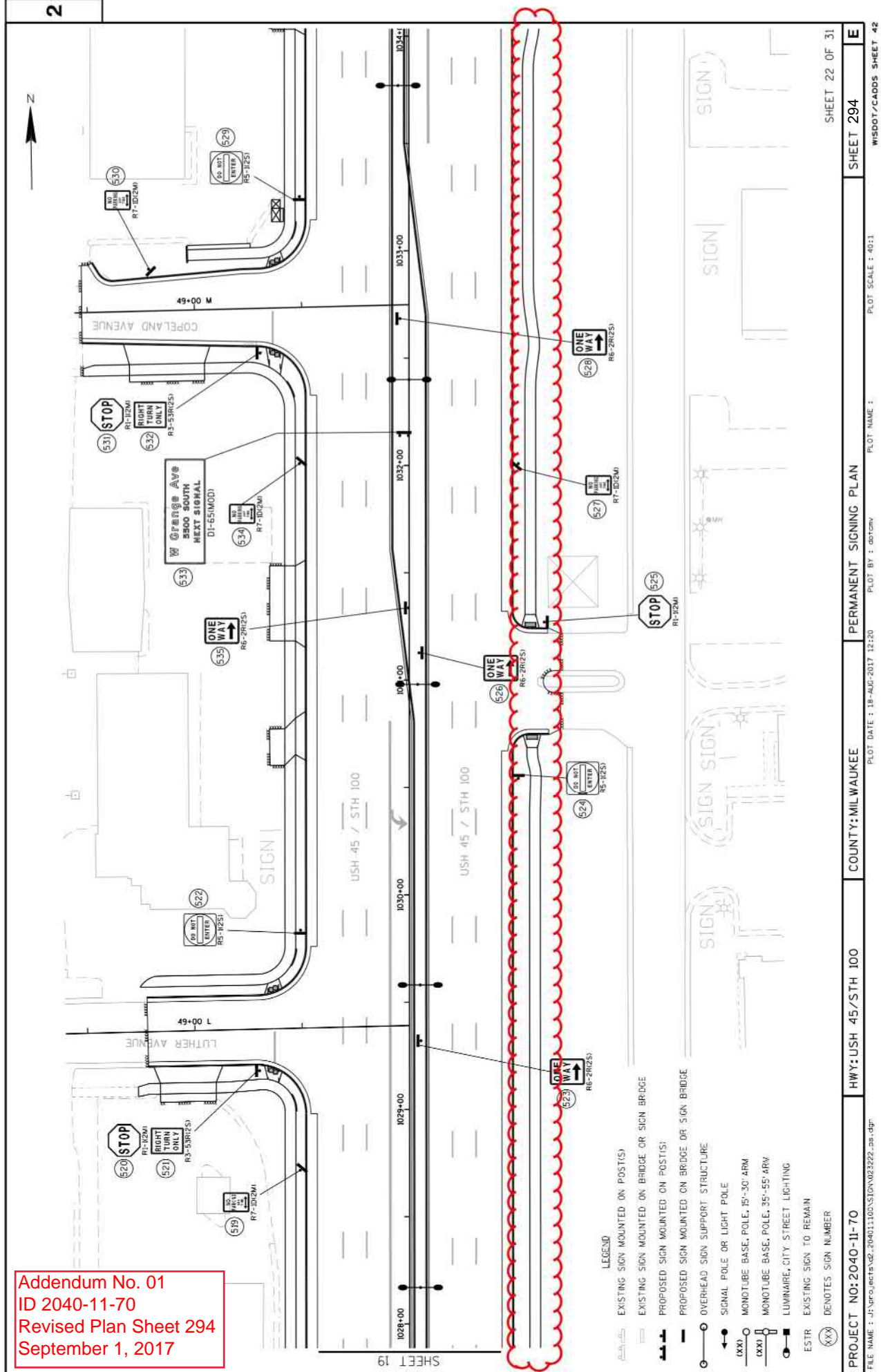
PLOT NAME :

PLOT SCALE : 40:1

WISDOT/CADDs SHEET 42



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 294
September 1, 2017

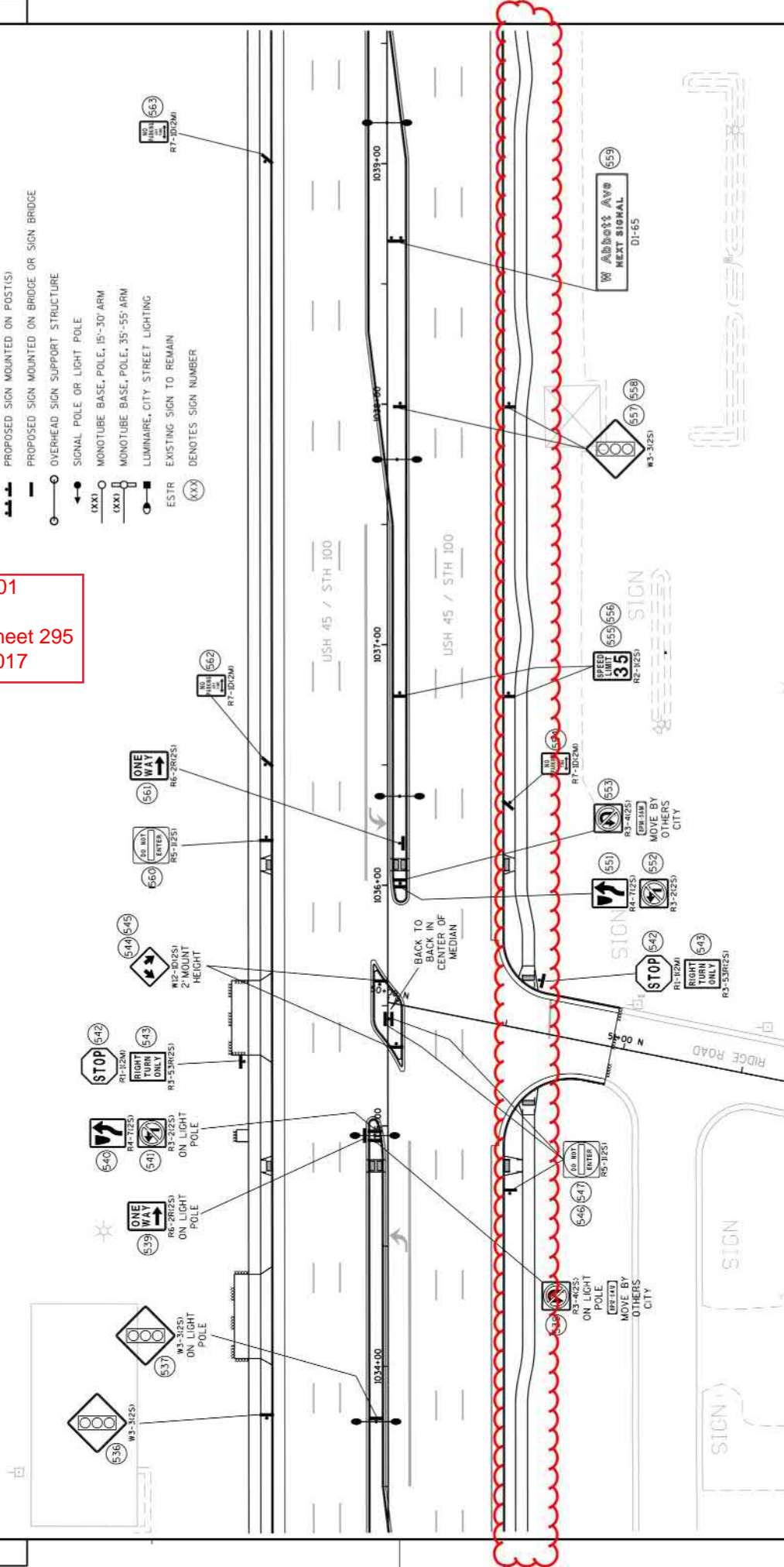




LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- OVERHEAD SIGN SUPPORT STRUCTURE
- SIGNAL POLE OR LIGHT POLE
- MONOTUBE BASE, POLE, 15'-30' ARM
- MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, CITY STREET LIGHTING
- ESTR EXISTING SIGN TO REMAIN
- XXX DENOTES SIGN NUMBER

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 295
September 1, 2017



SHEET 23 OF 31

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

PERMANENT SIGNING PLAN

SHEET 295

E

FILE NAME : J:\projects\2040\1100\NS\01\20401100\20401100.dwg

PLOT DATE : 18-AUG-2017 12:20

PLOT BY : d00000

PLOT NAME : 1

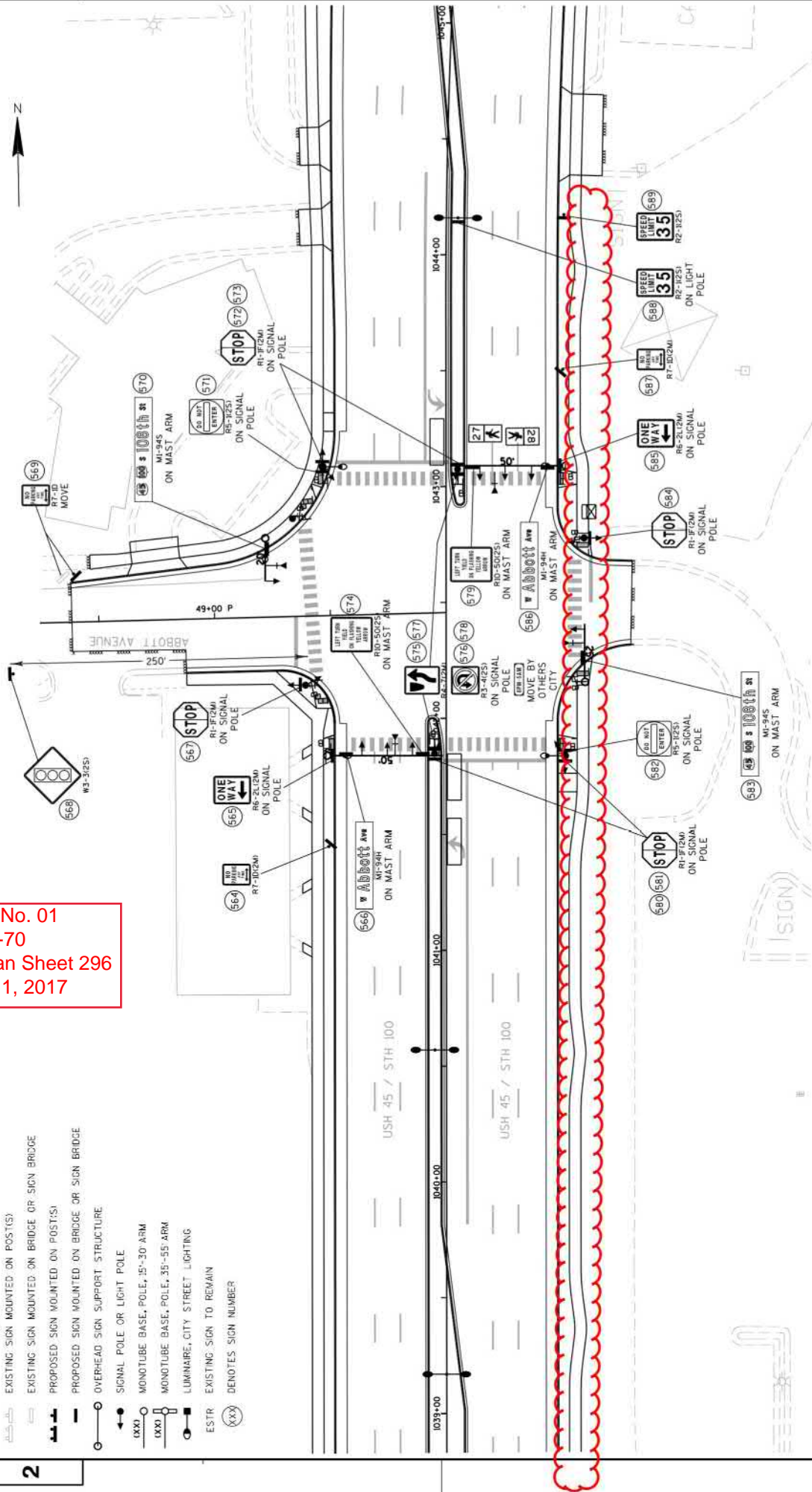
PLOT SCALE : 40:1

WISDOT/CADDs SHEET 42



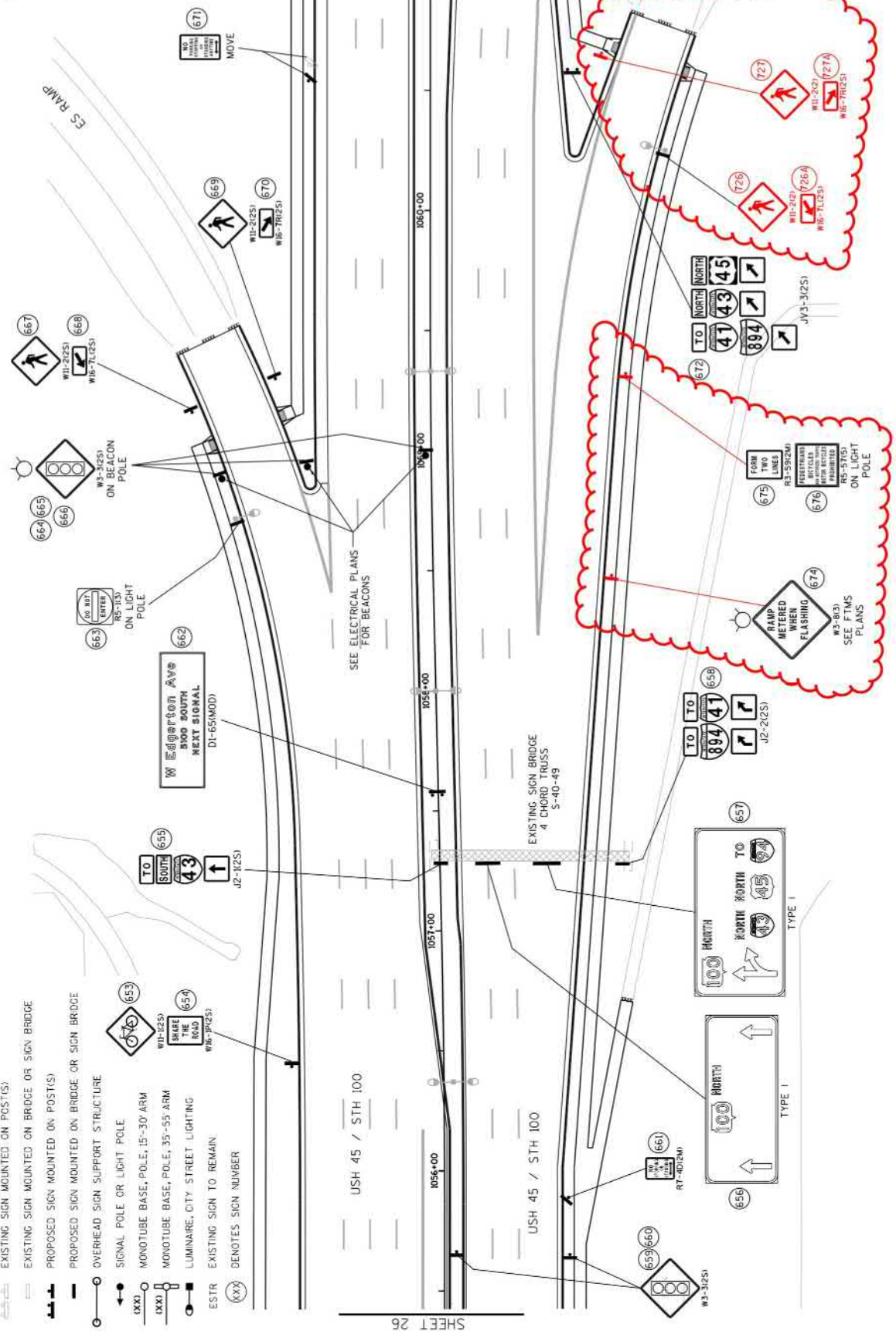
- LEGEND**
- EXISTING SIGN MOUNTED ON POST(S)
 - EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
 - PROPOSED SIGN MOUNTED ON POST(S)
 - PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
 - OVERHEAD SIGN SUPPORT STRUCTURE
 - SIGNAL POLE OR LIGHT POLE
 - MONOTUBE BASE, POLE, 15'-30' ARM
 - MONOTUBE BASE, POLE, 35'-55' ARM
 - LUMINAIRE, CITY STREET LIGHTING
 - ESTR EXISTING SIGN TO REMAIN
 - XXX DENOTES SIGN NUMBER

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 296
September 1, 2017



- LEGEND
- EXISTING SIGN MOUNTED ON POST(S)
 - EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
 - PROPOSED SIGN MOUNTED ON POST(S)
 - PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
 - OVERHEAD SIGN SUPPORT STRUCTURE
 - SIGNAL POLE OR LIGHT POLE
 - MONOTUBE BASE, POLE, 15'-30' ARM
 - MONOTUBE BASE, POLE, 35'-55' ARM
 - LUMINAIRE, CITY STREET LIGHTING
 - ESTR. EXISTING SIGN TO REMAIN
 - XXX DENOTES SIGN NUMBER

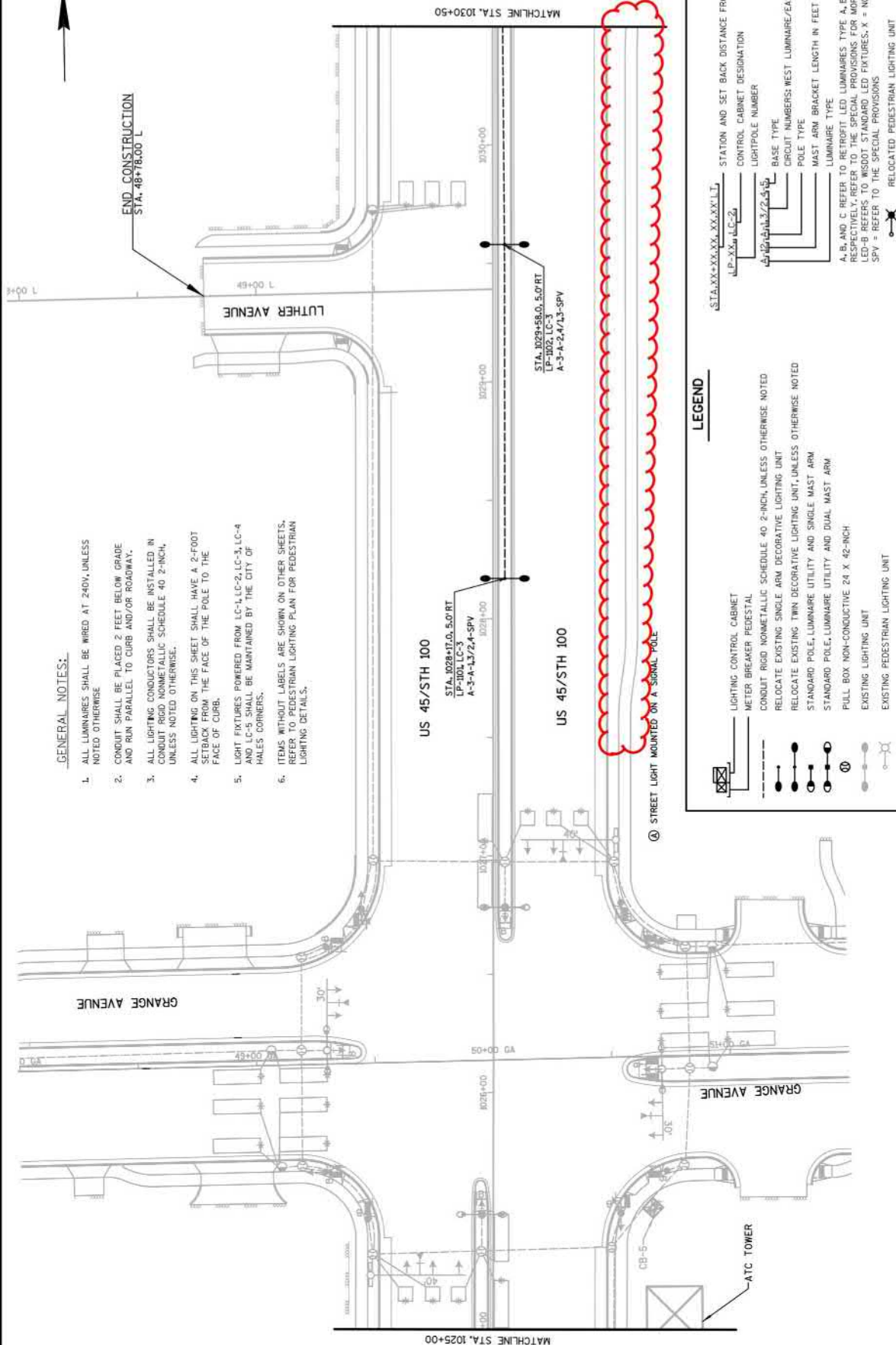
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 301
September 1, 2017














SHEET 26

GENERAL NOTES:

1. ALL LUMINAIRES SHALL BE WIRED AT 240V, UNLESS NOTED OTHERWISE.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE INSTALLED IN CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS SHEET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB.
5. LIGHT FIXTURES POWERED FROM LC-1+LC-2, LC-3, LC-4 AND LC-5 SHALL BE MAINTAINED BY THE CITY OF IDEAS CORNERS.
6. ITEMS WITHOUT LABELS ARE SHOWN ON OTHER SHEETS. REFER TO PEDESTRIAN LIGHTING PLAN FOR PEDESTRIAN LIGHTING DETAILS.



LEGEND

 LIGHTING CONTROL CABINET
 METER BREAKER PEDISTAL
 CONDUIT
 RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
 RELOCATE EXISTING SINGLE ARM DECORATIVE LIGHTING UNIT
 RELOCATE EXISTING TWIN DECORATIVE LIGHTING UNIT, UNLESS OTHERWISE NOTED
 STANDARD POLE, LUMINAIRE UTILITY AND SINGLE MAST ARM
 STANDARD POLE, LUMINAIRE UTILITY AND DUAL MAST ARM
 PULL BOX NON-CONDUCTIVE 24 X 42-INCH
 EXISTING LIGHTING UNIT
 EXISTING PEDESTRIAN LIGHTING UNIT

STA. XX+XX.XX, XX.XX+1.1

STATION AND SET BACK DISTANCE FROM REFERENCE LINE

CONTROL CABINET DESIGNATION

LIGHT PALE NUMBER

BASE TYPE

CIRCUIT NUMBERS: WEST LUMINAIRE/EAST LUMINAIRE

POLE TYPE

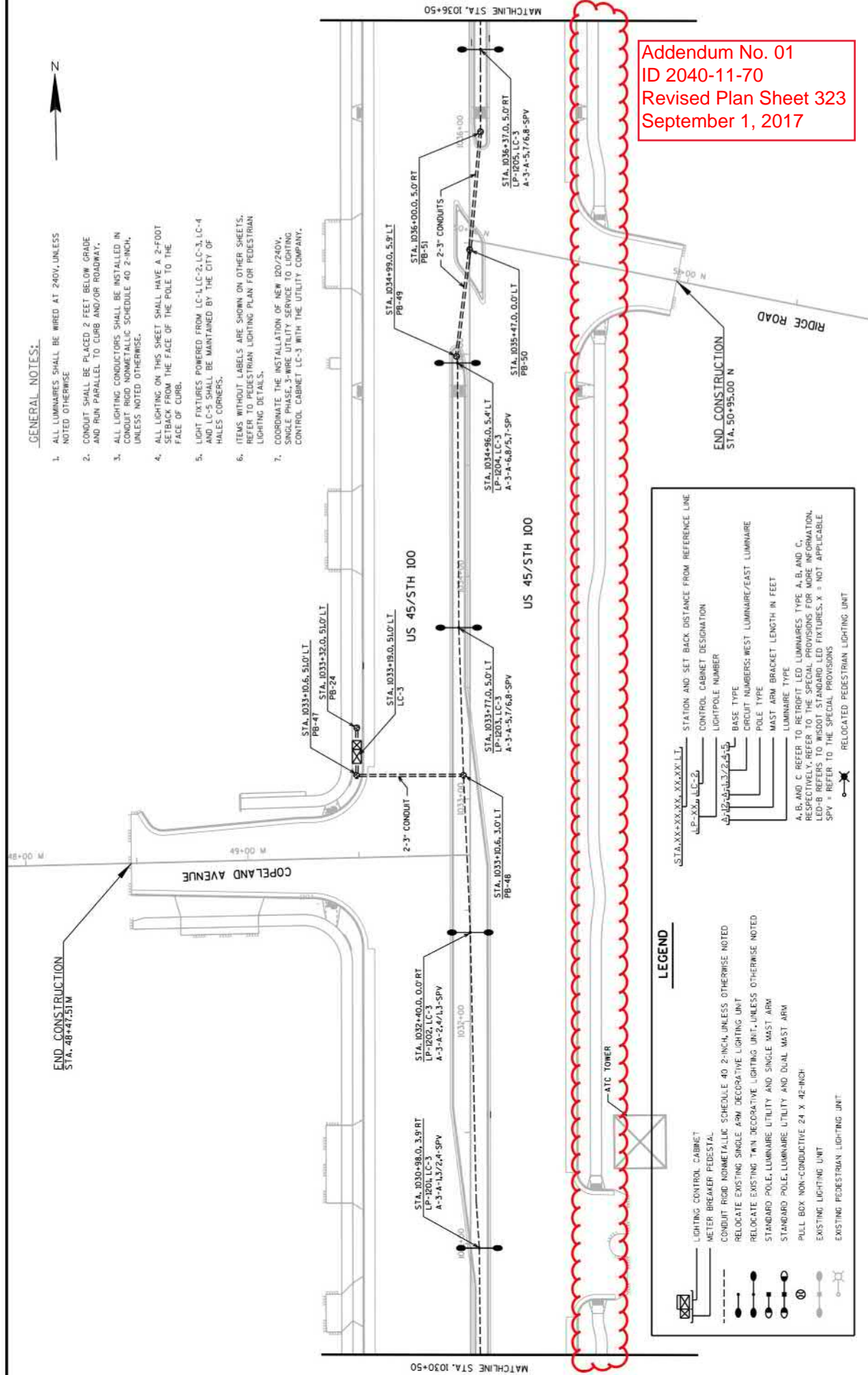
MAST ARM BRACKET LENGTH IN FEET

LUMINAIRE TYPE

A, B, AND C REFER TO RETROFIT LED LUMINAIRES TYPE A, B, AND C, RESPECTIVELY. REFER TO THE SPECIAL PROVISIONS FOR MORE INFORMATION. LED-B REFERS TO WSDOT STANDARD LED FIXTURES. X = NOT APPLICABLE. SPV = REFER TO THE SPECIAL PROVISIONS

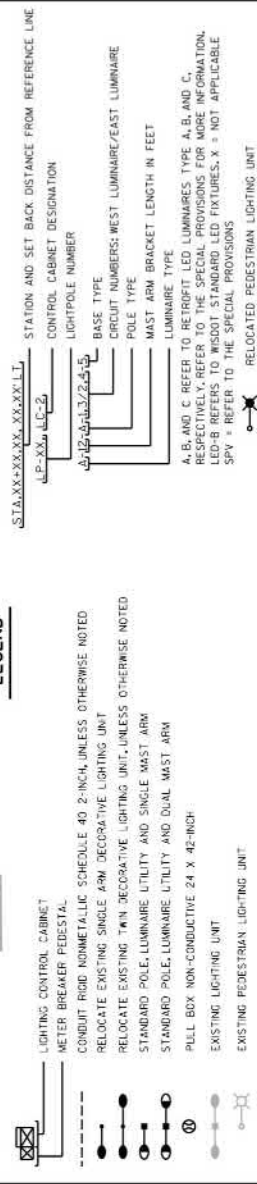
GENERAL NOTES:

1. ALL LUMINAIRES SHALL BE WIRED AT 240V, UNLESS NOTED OTHERWISE.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUIT SHALL BE INSTALLED IN CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS SHEET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB.
5. LIGHT FIXTURES POWERED FROM LC-1, LC-2, LC-3, LC-4 AND LC-5 SHALL BE MAINTAINED BY THE CITY OF WALES CORNERS.
6. ITEMS WITHOUT LABELS ARE SHOWN ON OTHER SHEETS. REFER TO PEDESTRIAN LIGHTING PLAN FOR PEDESTRIAN LIGHTING DETAILS.
7. COORDINATE THE INSTALLATION OF NEW 120/240V, SINGLE PHASE, 3-WIRE UTILITY SERVICE TO LIGHTING CONTROL CABINET LC-3 WITH THE UTILITY COMPANY.



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 323
September 1, 2017

LEGEND



PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

LIGHTING PLAN

SHEET 323

E

FILE NAME : S:\MIL\1000--109\109\232\Milwaukee\Plan\023512-1a.dgn

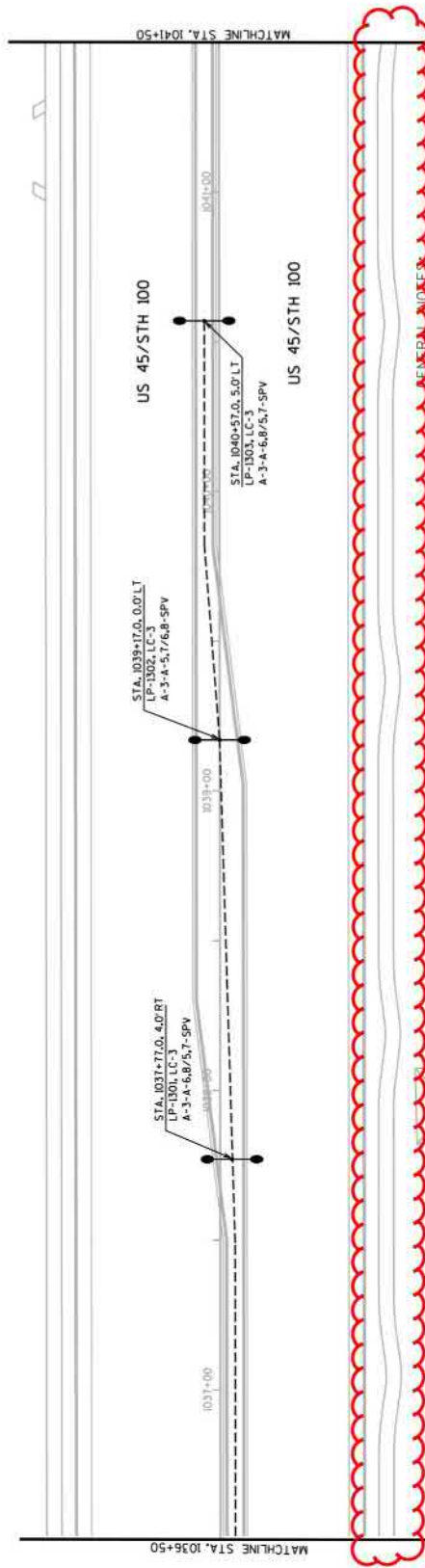
PLOT DATE : 8/16/2017

PLOT BY : .username.

PLOT NAME :

PLOT SCALE : 88.....plotscale.....88 WISDOT/CADD SHEET 42

LEGEND



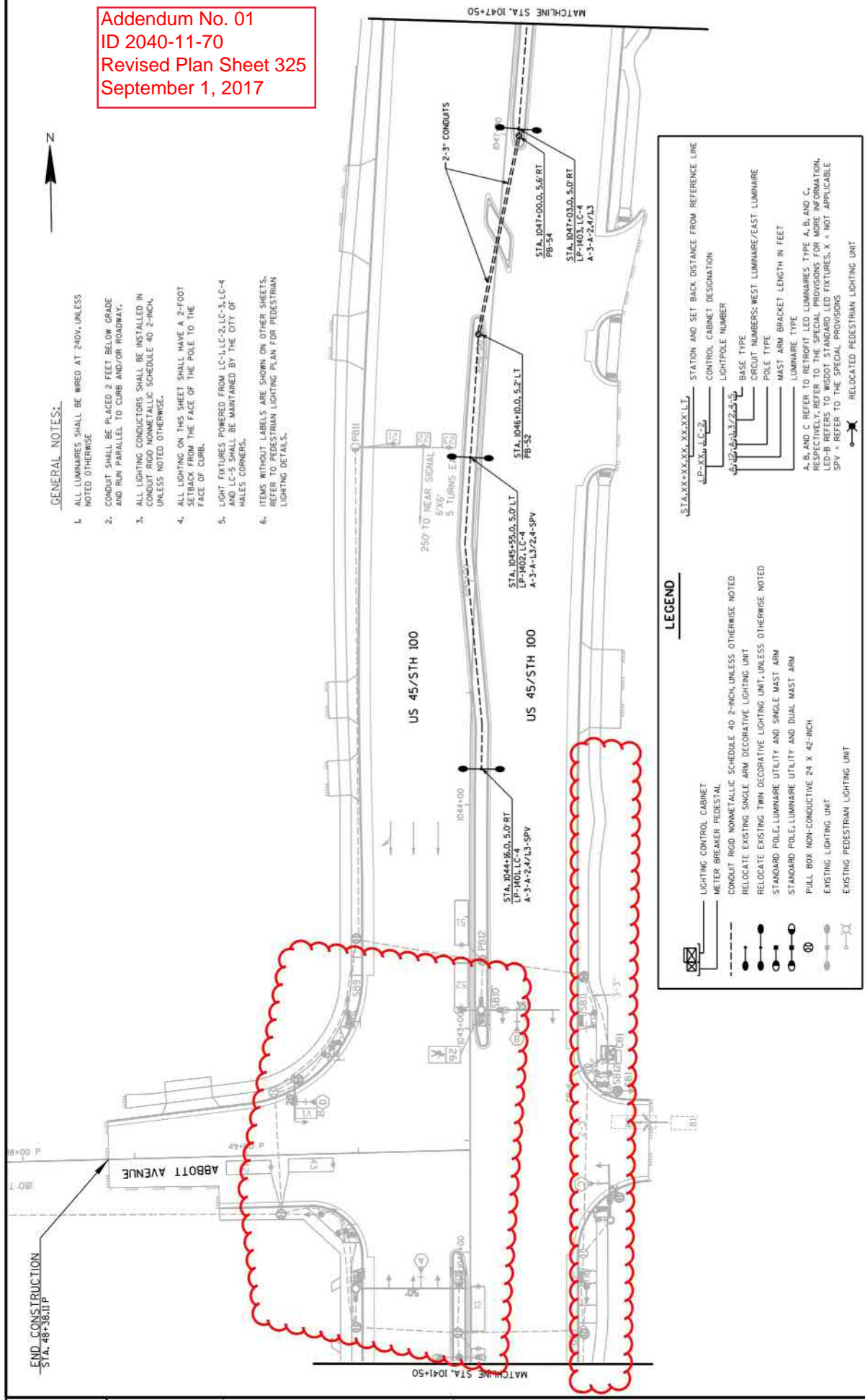
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 324
September 1, 2017

1. ALL LUMINAIRES SHALL BE WIRED AT 240V, UNLESS NOTED OTHERWISE
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE INSTALLED IN CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS SHEET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB.
5. LIGHT FIXTURES POWERED FROM LC-1, LC-2, LC-3, LC-4 AND LC-5 SHALL BE MAINTAINED BY THE CITY OF WAUKESHA CORNERS.
6. ITEMS WITHOUT LABELS ARE SHOWN ON OTHER SHEETS. REFER TO PEDESTRIAN LIGHTING PLAN FOR PEDESTRIAN LIGHTING DETAILS.

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 325
September 1, 2017

GENERAL NOTES:

1. ALL LUMINAIRES SHALL BE WIRED AT 240V, UNLESS NOTED OTHERWISE.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUITORS SHALL BE INSTALLED IN CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS SHEET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF CURB.
5. LIGHT FIXTURES POWERED FROM LC-1, LC-2, LC-3, LC-4 AND LC-5 SHALL BE MAINTAINED BY THE CITY OF WALES CORNERS.
6. ITEMS WITHOUT LABELS ARE SHOWN ON OTHER SHEETS. REFER TO PEDESTRIAN LIGHTING PLAN FOR PEDESTRIAN LIGHTING DETAILS.



LEGEND

	LIGHTING CONTROL CABINET	STATION AND SET BACK DISTANCE FROM REFERENCE LINE
	METER BREAKER PEDESTAL	LP-XX, LC-2
	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED	LC-1, LC-2, LC-3, LC-4, LC-5
	RELOCATE EXISTING SINGLE ARM DECORATIVE LIGHTING UNIT	BASE TYPE
	RELOCATE EXISTING TWIN DECORATIVE LIGHTING UNIT, UNLESS OTHERWISE NOTED	CONDUIT NUMBERS: WEST LUMINAIRE/EAST LUMINAIRE
	STANDARD POLE LUMINAIRE UTILITY AND SINGLE MAST ARM	POLE TYPE
	STANDARD POLE LUMINAIRE UTILITY AND DUAL MAST ARM	MAST ARM BRACKET LENGTH IN FEET
	PULL BOX NON-CONDUCTIVE 24 X 42-INCH	LUMINAIRE TYPE
	EXISTING LIGHTING UNIT	A, B, AND C REFER TO RETROFIT LED LUMINAIRES TYPE A, B, AND C, RESPECTIVELY. REFER TO THE SPECIAL PROVISIONS FOR MORE INFORMATION.
	EXISTING PEDESTRIAN LIGHTING UNIT	LED-B REFERS TO WISDOT STANDARD LED FIXTURES. X = NOT APPLICABLE. SPV = REFER TO THE SPECIAL PROVISIONS
	RELOCATED PEDESTRIAN LIGHTING UNIT	

LEGEND

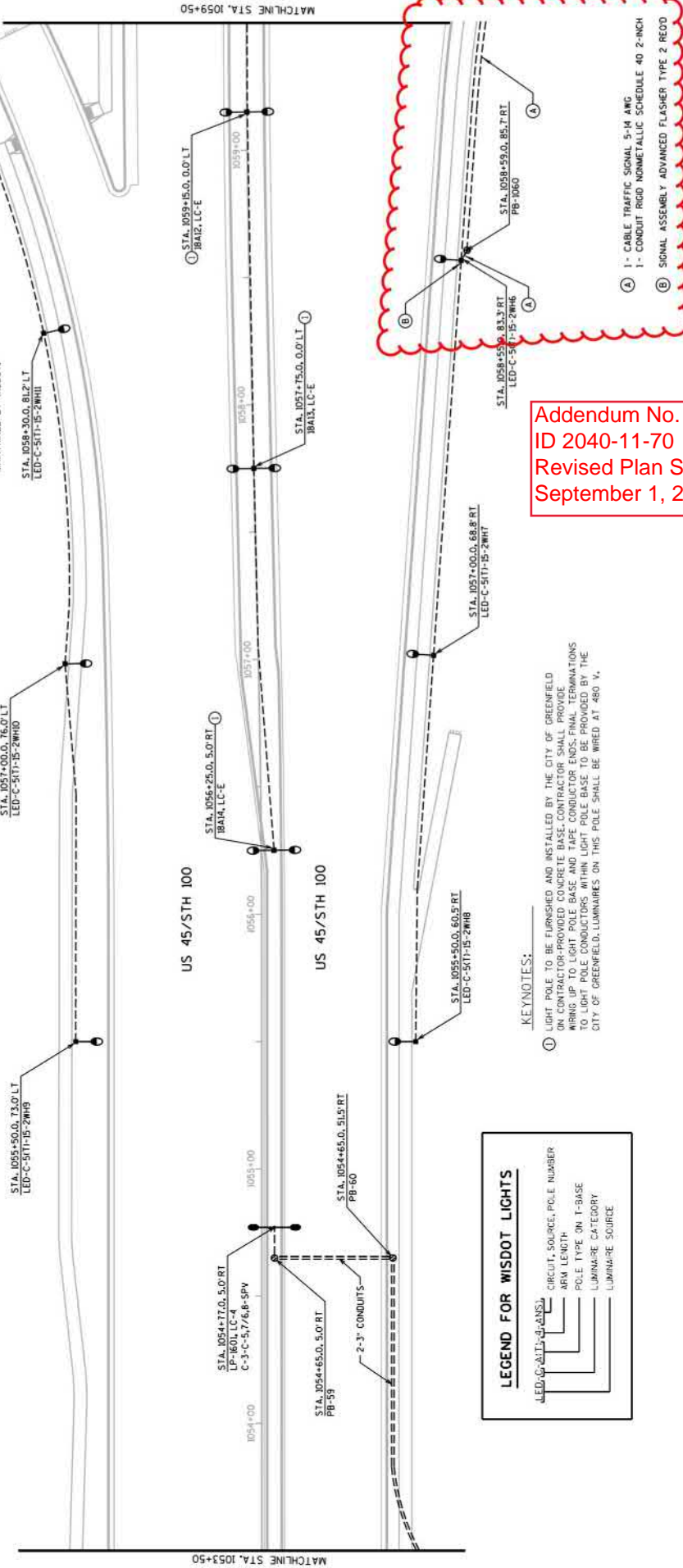
- LIGHTING CONTROL CABINET
- METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS OTHERWISE NOTED
- RELOCATE EXISTING SINGLE ARM DECORATIVE LIGHTING UNIT
- RELOCATE EXISTING TWIN DECORATIVE LIGHTING UNIT, UNLESS OTHERWISE NOTED
- STANDARD POLE, LUMINAIRE UTILITY AND SINGLE MAST ARM
- STANDARD POLE, LUMINAIRE UTILITY AND DUAL MAST ARM
- PULL BOX NON-CONDUCTIVE 24 X 42-INCH
- EXISTING LIGHTING UNIT
- EXISTING PEDESTRIAN LIGHTING UNIT

STA.XX+XX.XX, XX.XX+11
LP-XX, LC-2
A-12-A, A-13, A-15
BASE TYPE
POLE TYPE
LUMINAIRE TYPE
MAST ARM BRACKET LENGTH IN FEET

STATION AND SET BACK DISTANCE FROM REFERENCE LINE
CONTROL CABINET DESIGNATION
LIGHTPOLE NUMBER
BASE TYPE
CIRCUIT NUMBER: WEST LUMINAIRE/EAST LUMINAIRE
POLE TYPE
LUMINAIRE TYPE
MAST ARM BRACKET LENGTH IN FEET
A, B, AND C REFER TO RETROFIT LED LUMINAIRES TYPE A, B, AND C, RESPECTIVELY, REFER TO THE SPECIAL PROVISIONS FOR MORE INFORMATION.
LED-B REFERS TO WISDOT STANDARD LED FIXTURES, X = NOT APPLICABLE
SPV = REFER TO THE SPECIAL PROVISIONS
RELOCATED PEDESTRIAN LIGHTING UNIT

GENERAL NOTES:

- ALL LUMINAIRES SHALL BE WIRED AT 240V, UNLESS NOTED OTHERWISE
- CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
- ALL LIGHTING CONDUITORS SHALL BE INSTALLED IN CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS NOTED OTHERWISE.
- LIGHT FIXTURES POWERED FROM LC-E SHALL BE MAINTAINED BY THE CITY OF GREENFIELD.
- LIGHT FIXTURES POWERED FROM LC-1, LC-2, LC-3, LC-4, AND LC-5 SHALL BE MAINTAINED BY THE CITY OF GREENFIELD.
- ITEMS WITHOUT LABELS ARE SHOWN ON OTHER SHEETS. REFER TO PEDESTRIAN LIGHTING PLAN FOR PEDESTRIAN LIGHTING DETAILS.
- LIGHT FIXTURES POWERED FROM WH SHALL BE MAINTAINED BY WISDOT.



LEGEND FOR WISDOT LIGHTS

- CIRCUIT, SOURCE, POLE NUMBER
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

KEYNOTES:

- LIGHT POLE TO BE FURNISHED AND INSTALLED BY THE CITY OF GREENFIELD ON CONTRACTOR-PROVIDED CONCRETE BASE. CONTRACTOR SHALL PROVIDE ALL CONDUIT, FITTINGS, AND WIRING. CONTRACTOR SHALL PROVIDE ALL TIGHT POLE CONDUITS. THE LIGHT POLE BASE SHALL BE PROVIDED BY THE CITY OF GREENFIELD. LUMINAIRES ON THIS POLE SHALL BE WIRED AT 480 V.

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 327
September 1, 2017

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

LIGHTING PLAN

PLOT BY: .username

PLOT DATE: 8/30/2017

SHEET 327

E

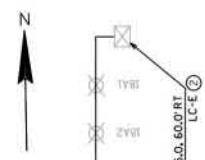
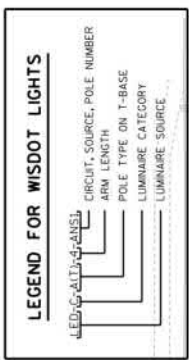
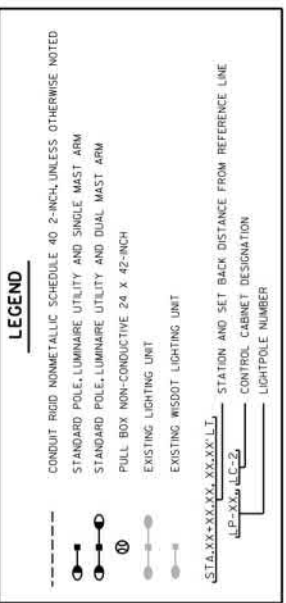
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PLOT SCALE: 88'.....plot scale.....88 WISDOT/CADD SHEET 42

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 328
September 1, 2017

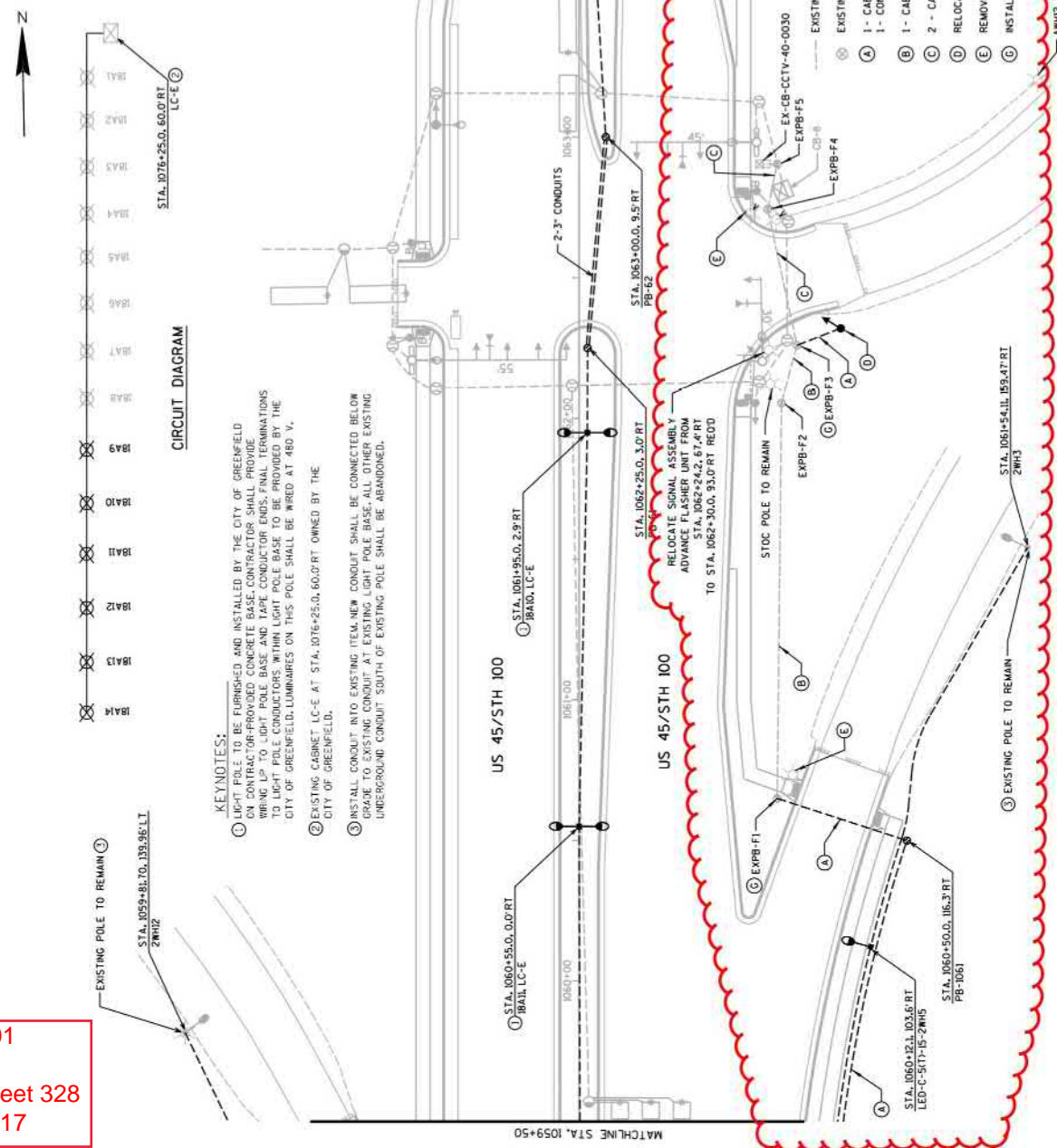
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2



KEYNOTES:

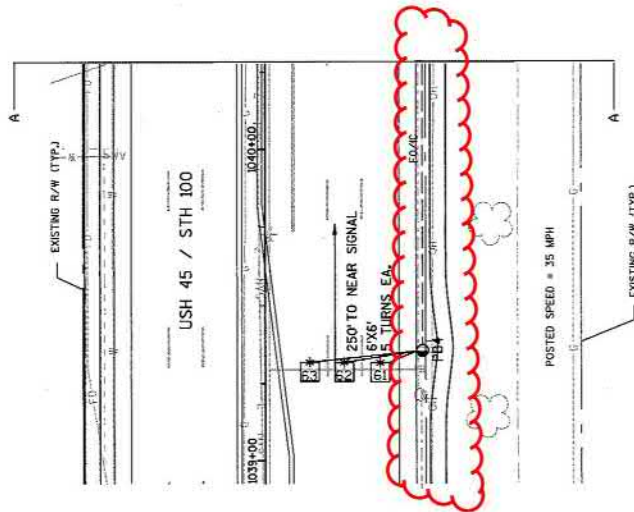
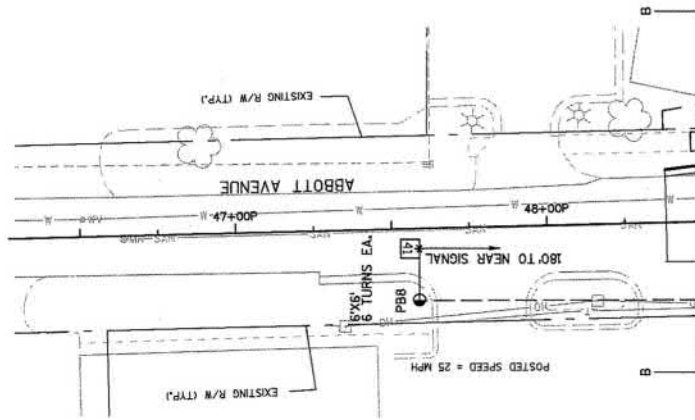
- ① LIGHT POLE TO BE FURNISHED AND INSTALLED BY THE CITY OF GREENFIELD ON CONTRACTOR-PROVIDED CONCRETE BASE. CONTRACTOR SHALL PROVIDE WIRING UP TO LIGHT POLE BASE AND TAPE CONDUCTOR ENDS. FINAL TERMINATIONS TO LIGHT POLE CONDUCTORS WITHIN LIGHT POLE BASE TO BE PROVIDED BY THE CITY OF GREENFIELD. LUMINAIRES ON THIS POLE SHALL BE WIRED AT 480 V.
- ② EXISTING CABINET LC-E AT STA. 1076+25.0, 60.0 RT OWNED BY THE CITY OF GREENFIELD.
- ③ INSTALL CONDUIT INTO EXISTING ITEM NEW CONDUIT SHALL BE CONNECTED BELOW GRADE TO EXISTING CONDUIT AT EXISTING LIGHT POLE BASE. ALL OTHER EXISTING UNDERGROUND CONDUIT SOUTH OF EXISTING POLE SHALL BE ABANDONED.



GENERAL NOTES:

1. ALL LUMINAIRES SHALL BE WIRED AT 240V, UNLESS NOTED OTHERWISE
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE INSTALLED IN CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH, UNLESS NOTED OTHERWISE.
4. LIGHT FIXTURES POWERED FROM WH SHALL BE MAINTAINED BY WISDOT.
5. LIGHT FIXTURES POWERED FROM LC-E SHALL BE MAINTAINED BY THE CITY OF GREENFIELD.

- EXISTING CONDUIT**
- 1 - CABLE TRAFFIC SIGNAL 5-14 AWG
 - 1 - CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
 - 1 - CABLE TRAFFIC SIGNAL 5-14 AWG
 - 2 - CABLE TRAFFIC SIGNAL 5-14 AWG
 - RELOCATED SIGNAL ASSEMBLY ADVANCED FLASHER
 - REMOVING FLASHER ASSEMBLY REOD
 - INSTALL CONDUIT INTO EXISTING PULL BOX



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 388
September 1, 2017

TRAFFIC CONTROL SIGNAL
USH 45/STH 100 & ABBOTT AVENUE
VILLAGE OF HALES CORNERS
MILWAUKEE COUNTY

SIGNAL NO. S40-1448
DESIGNED BY: KSNOR
REVISOR BY: KSNOR

PAGE 2 OF 3

SHEET 388

WISDOT/CADD'S SHEET 42

TRAFFIC SIGNAL PLAN

COUNTY: MILWAUKEE

HWY: USH 45/STH 100

PROJECT NO: 2040-11-70

PLOT SCALE: 1:40

PLOT NAME:

PLOT BY: ngaspar

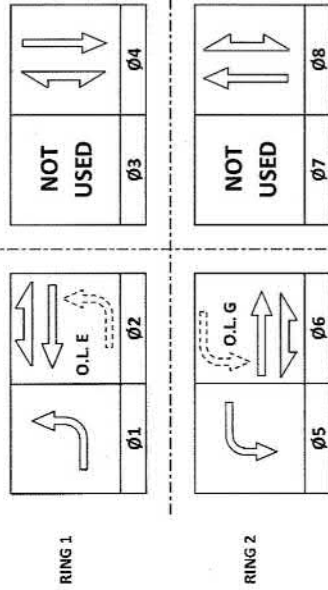
PLOT DATE: 8/24/2017

FILE NAME: P:\0501 USH 45-STH 100 STRADA\Transportation\0501\Design\Signal Design\Sheet F11A\204102-ep-Abbott.dgn

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 389
September 1, 2017

HEAD NUMBERS		F	L	A	S	H
Ø1	5,6	R				
Ø2	7,8,9,10	R				
Ø3						
Ø4	16,17,18	R				
Ø5	11,12	R				
Ø6	1,2,3,4	R				
Ø7						
Ø8	13,14,15	R				
Ø2P	23, 24					
Ø4P	19,20,21,22					
Ø6P	29,30					
Ø8P	25,26,27,28					
ØLE	5,6	-				
ØLF		-				
ØLG	11,12	-				
ØLH						

CONTROLLER LOGIC



BARRIER

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+8	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

DETECTOR LOGIC

DETECTOR INPUT		3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR(S)	11	21	23	42	51	61	63		
CALL OPTION	1	2	4	5	6	6	6		
DELAY TIME									
EXTENSION OPTION									
EXTEND TIME									
USE ADDED INITIAL									
CROSS SWITCH PHASE	2				6				

DETECTOR INPUT		4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR(S)	12	22	41	43	52	62			
CALL OPTION	1	2	4	5	6	6			
DELAY TIME									
EXTENSION OPTION									
EXTEND TIME									
USE ADDED INITIAL									
CROSS SWITCH PHASE	2				6				

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	X
ADAPTIVE	
*LOCATION OF MASTER	
CONTROLLER NO:	5-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWARE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

US 45/STH 100 & ABBOTT AVENUE
VILLAGE OF HALES CORNERS
MILWAUKEE COUNTY

SIGNAL NO: S40-1448
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
PAGE NO. 3 OF 3
DATE: 8/17/2017
SHEET NO: 389

PROJECT NO: 2040-11-70

HWY: US 45/STH

COUNTY: MILWAUKEE

SEQUENCE OF OPERATIONS

PLOT NAME: 1:1

PLOT BY:

PLOT DATE:

PLOT NAME:

PLOT DATE:

PLOT NAME:

PLOT DATE:

PLOT NAME:

PLOT DATE:

PLOT NAME:

No. 01
-70
an Sheet 400
1, 2017

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN-CABLE TO BE REMOVED BY CONTRACTOR.
3. CABINET AND CONTROLLER WILL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING.
6. BOLD REPRESENTS ITEMS TO BE REMOVED.

TRAFFIC SIGNAL CONTROL SIGNAL
USH 45/STH 100 & EDGERTON AVENUE
VILLAGE OF HALES CORNERS
MILWAUKEE COUNTY

SIGNAL NO. S40-1151
REGION CONTACT: Pam Windsor, WIHA
DESIGNED BY: KSRGH
REVISED BY:

PAGE 1 OF 2

E

SHEET 400

WISDOT/CADD SHEET 42

FILE NAME : P:\B301_ Ush 45_Sth 100 STRADA\Transportation\CADD\B301_Ush45_Sth100_SignalsRemovalEdgerton\Sheet_E_Lic\Sth 100US45SignalRemovalEdgerton.dwg

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PLOT NAME :

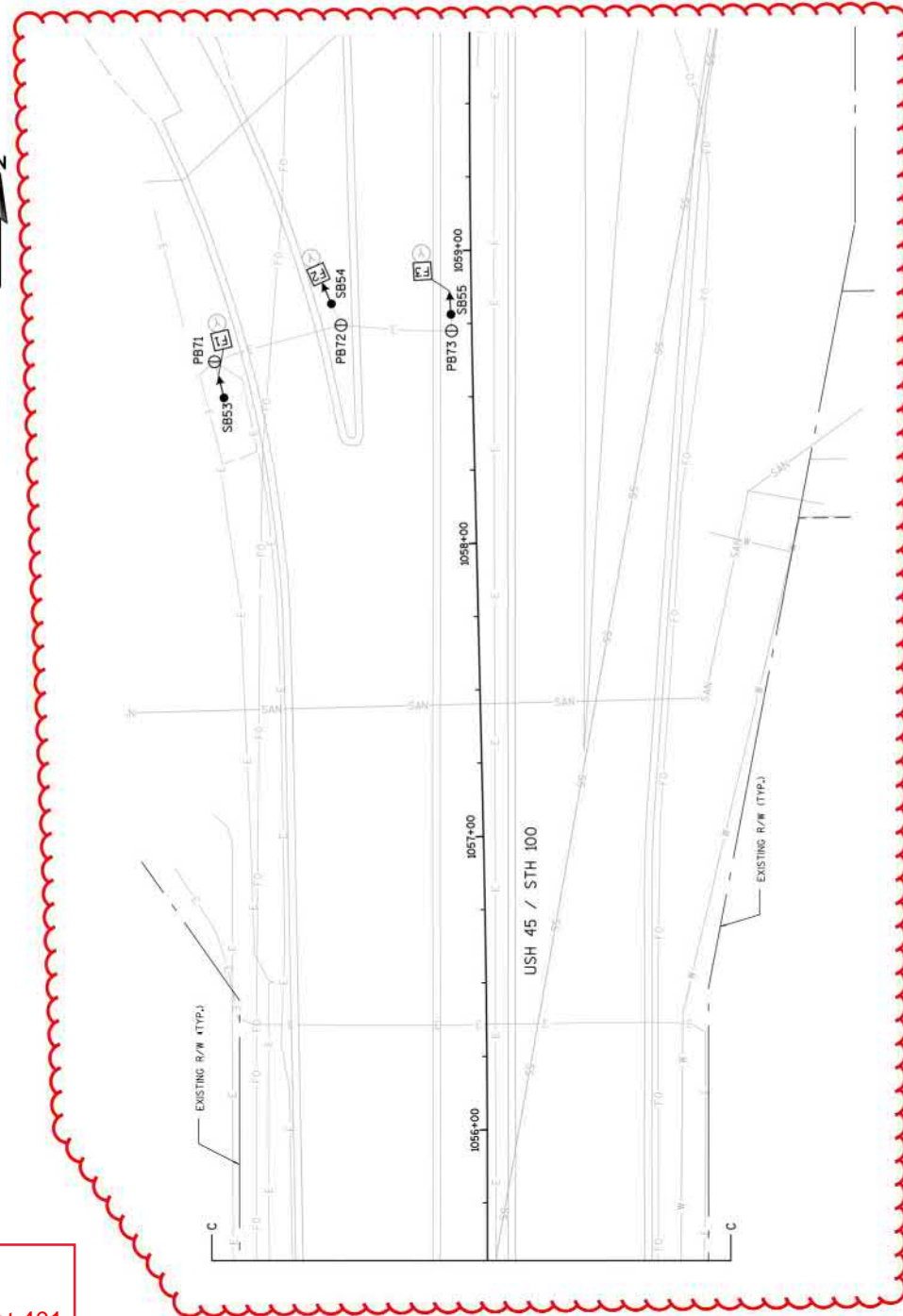
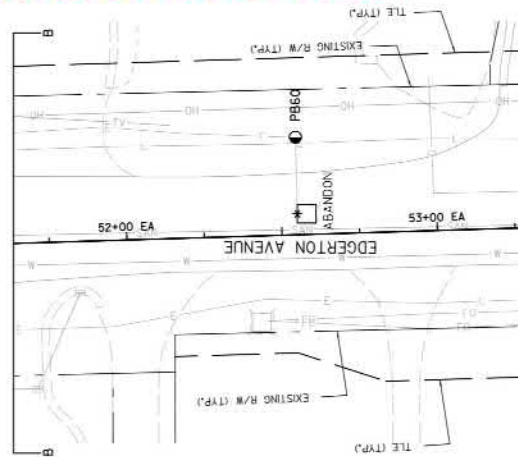
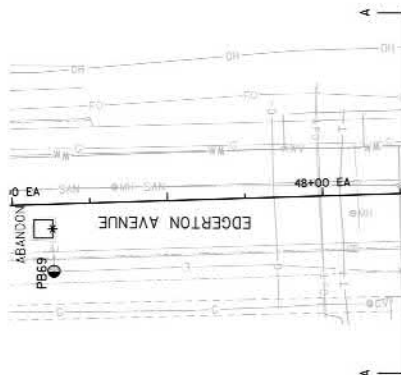
COUNTY: MILWAUKEE

Traffic Signal Removal Plan

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 401
September 1, 2017



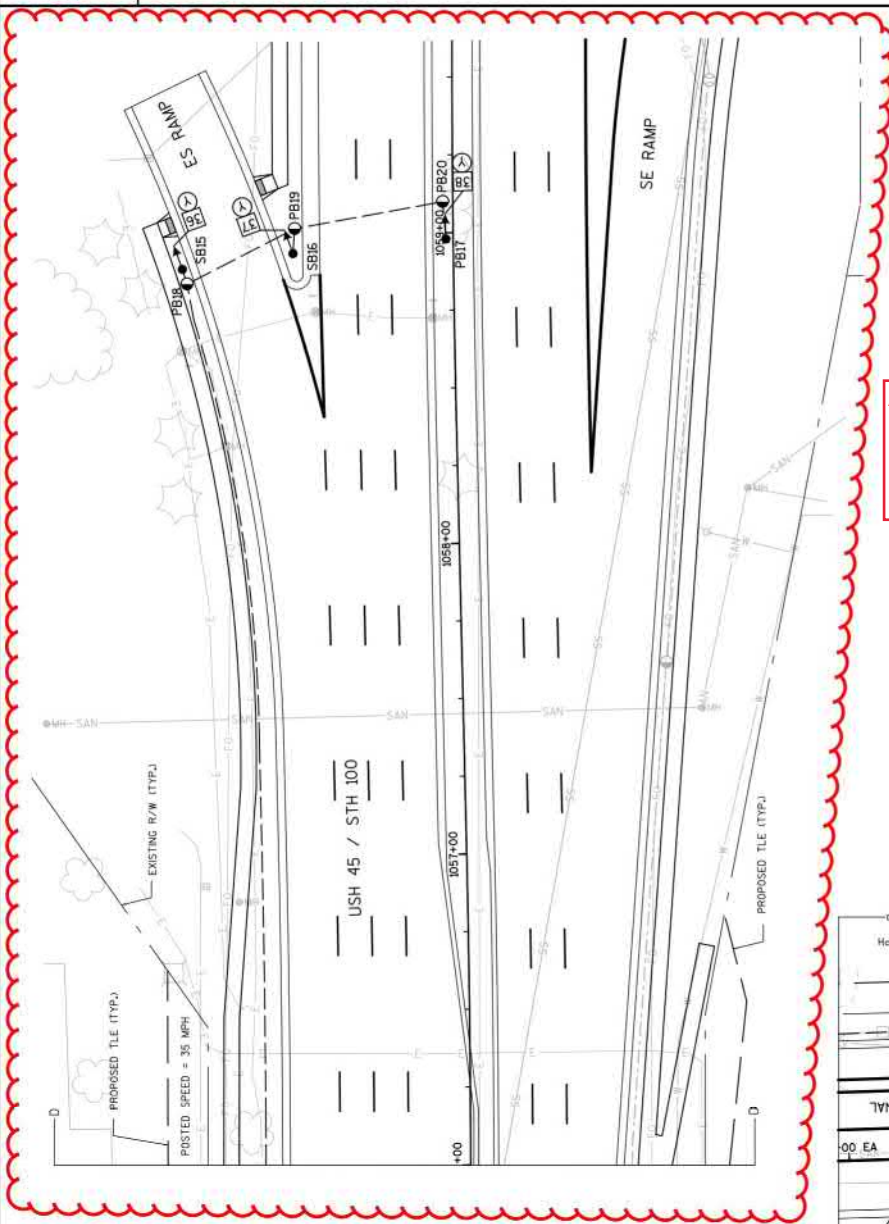
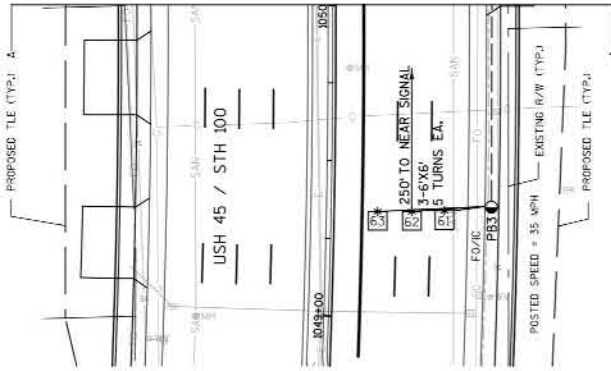
TRAFFIC CONTROL SIGNAL
USH 45/STH 100 & EDGERTON AVENUE
VILLAGE OF HALES CORNERS
MILWAUKEE COUNTY

SIGNAL NO. S40-1151
REGION CONTACT: Parwinder Virk
DESIGNED BY: NSINGH
REVISED BY:

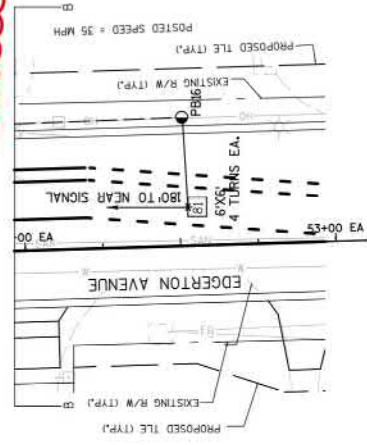
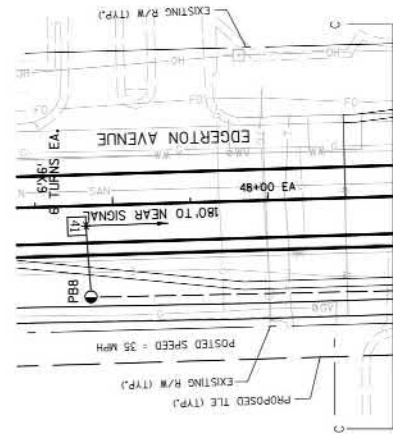
PROJECT NO: 2040-11-70	HWY: USH 45/STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 401
------------------------	---------------------	-------------------	-----------------------------	-----------

FILE NAME : P:\N501 USH 45, S14 103 STRANXON\transport\T01\Design\Signage\Traffic Signs Removal\Edgar\onSheet_2017\05\204102_Rep_Edgar\TabRemoval.cgm
PLOT NAME :
PLOT SCALE : 88.....plotScale.....88
WISDOT/CADDs SHEET 42





Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 403
September 1, 2017



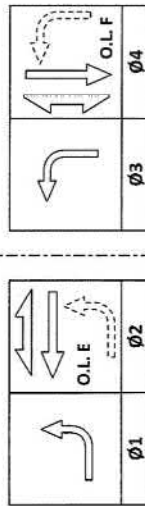
TRAFFIC CONTROL SIGNAL
USH 45/STH 100 & EDGERTON AVENUE
VILLAGE OF HALES CORNERS
MILWAUKEE COUNTY

SIGNAL NO. S40-1151
REGION CONTACT: For window: WPK
DESIGNED BY: KSHH
REVISED BY:

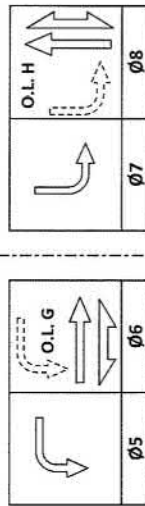
PAGE 2 OF 3

HEAD NUMBERS	F	L	A	S	H
Ø1	5,6	R			
Ø2	7,8,9,10,11	R			
Ø3	17,18	R			
Ø4	19,20,21	R			
Ø5	12,13	R			
Ø6	1,2,3,4	R			
Ø7	22,23	R			
Ø8	14,15,16	R			
Ø2P	28,29				
Ø4P	24,25,26,27				
Ø6P	34,35				
Ø8P	30,31,32,33				
ØLE	5,6	-			
ØLF	17,18	-			
ØLG	12,13	-			
ØLH	22,23	-			

RING 1



RING 2



BARRIER

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.

AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR(S)	11	21	23	31	41	43	45	52
CALL PHASE	1	2	2	3	4	4	4	5
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME								
EXTENSION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL	X	X						
CROSS SWITCH PHASE	2			4				6

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR(S)	12	22	24	32	42	44	51	61
CALL PHASE	1	2	2	3	4	4	5	6
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME								
EXTENSION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL	X	X						
CROSS SWITCH PHASE	2			4			6	

19	17	23	21	27	25	31	29	35
62	71	81	83	85		51	52	53
6	7	8	8	8				
X	X	X	X	X				
			X	X				
X	X	X	X	X				
X		X						
X								
	8							

20	18	24	22	28	26	32	30	36
63	72	82	84		54	55	56	57
6	7	8	8					
X	X	X	X					
		X	X					
X	X	X	X					
X		X						
X								
	8							

TYPE OF INTERCONNECT/COMMUNICATION
NONE
CLOSED LOOP
TWISTED PAIR
FIBER OPTIC*
FIBER OPTIC (ETHERNET)
RADIO
CELL MODEM

TYPE OF COORDINATION
NONE
TBC
TRAFFIC RESPONSIVE
ADAPTIVE
*LOCATION OF MASTER
CONTROLLER NO:
SIGNAL SYSTEM NO:

TYPE OF LIGHTING
BY OTHER AGENCY
IN TRAFFIC CABINET
IN SEPARATE DOT LIGHTING CABINET

TYPE OF PRE-EMPT
NONE
RAILROAD
EMERGENCY VEHICLE
GTT
TOMAR
HARDWARE
OTHER
LIFT BRIDGE
QUEUE DETECTION

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 404
September 1, 2017

US 45/STH 100 & EDGERTON AVENUE
VILLAGE OF HALES CORNERS
MILWAUKEE COUNTY

SIGNAL NO: S40-1151
CABINET TYPE: T52
CONTROLLER TYPE: ECONOLITE

DATE: 8/27/2017
PAGE NO: 3 OF 3

PROJECT NO: 2040-11-70
HWY: US 45/STH 100
COUNTY: MILWAUKEE
SEQUENCE OF OPERATIONS
PLOT NAME:
PLOT BY:
PLOT DATE:
PLOT SCALE: 1:1
SHEET NO: 404
E

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 405
September 1, 2017

2

PROJECT ID:	2040-11-70	2040-11-70	US 45/STH 100 & EDGERTON AVENUE
INTERSECTION:	US 45/STH 100 & EDGERTON AVENUE	US 45/STH 100 & EDGERTON AVENUE	US 45/STH 100 & EDGERTON AVENUE

SIGNAL WIRE COLOR CODING	RED - red	BLK - black	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR										PED BUTTON	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	DIWALK	WALK			
SB1	12	20	RED	ORG	GRN									
		21	RED	ORG	GRN									
		23	RED	ORG	GRN									
		35				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHIT					
SB2	7	35									BLK	BLU		
		8											WHT/BLK	
SB3	12	1	RED	ORG	GRN									
		12				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHIT					
		24								BLK	BLU			
		8										WHT/BLK		
SB4	12	13				RED	ORG	GRN	BLK/WHIT		BLK	BLU		
		25								BLK	BLK	BLU		
		26												
		8										WHT/BLK		
SB5	7	8	RED	ORG	GRN									
		9	RED	ORG	GRN									
		10	RED	ORG	GRN									
		11	RED	ORG	GRN									
SB6	7	27												
		8												
SB7	12	17	RED	ORG	GRN						BLK	BLU	WHT/BLK	
		19												
		28												
		8												
SB8	12	15	RED	ORG	GRN									
		16	RED	ORG	GRN									
		18									BLK	BLU	WHT/BLK	
SB9	7	29												
		8									BLK	BLU	WHT/BLK	
SB10	12	5												
		7	RED/BLK	ORG/BLK	GRN/BLK									
		30				RED	ORG	GRN	BLK/WHIT		BLK	BLU		
		8												
SB11	12	6				RED	ORG	GRN	BLK/WHIT					
		31									BLK	BLU		
		32									BLK	BLU		
		8										WHT/BLK		
SB12	7	33									BLK	BLU	WHT/BLK	
		8												
SB13	7	2	RED	ORG	GRN									
		3	RED	ORG	GRN									
		4	RED	ORG	GRN									
SB14	12	14	RED/BLK	ORG/BLK	GRN/BLK									
		22				RED	ORG	GRN	BLK/WHIT		BLK	BLU	WHT/BLK	
		34												
		8												
SB15	7	36							ORG					
SB16	7	37							ORG					
SB17	7	38							ORG					

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications.
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
*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.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

Equipment grounding conductor 10 AWG Green XLP		
From	To	
CB1	SB1	
SB1	SB2	
SB2	SB3	
SB3	SB4	
SB4	SB5	
SB5	SB6	
SB6	SB7	
SB7	SB8	
SB8	SB9	
SB9	SB10	
SB10	SB15	
SB15	SB16	
SB16	SB17	
SB17	SB11	
SB11	SB12	
SB12	SB13	
SB13	SB14	
SB14	CB1	

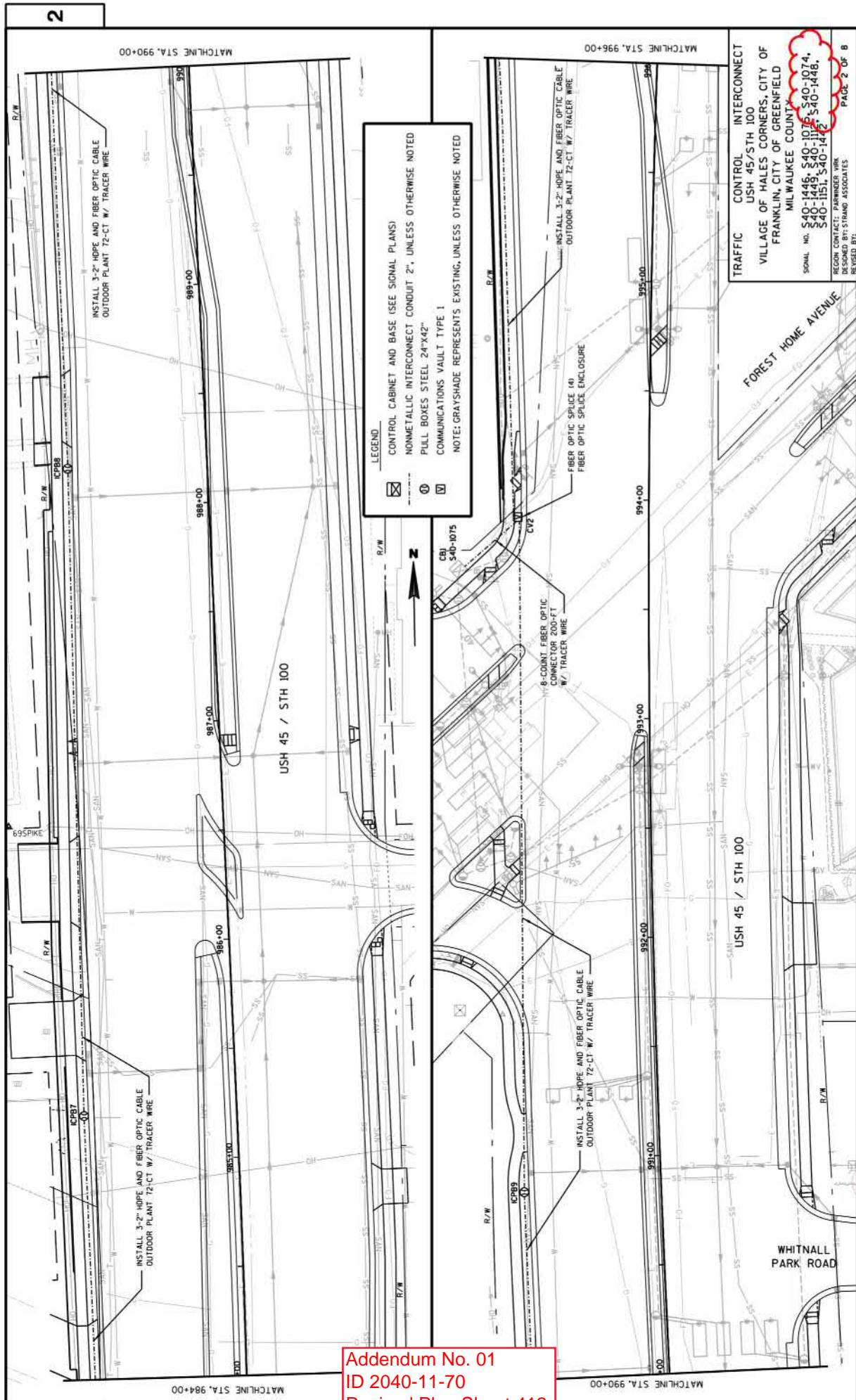
Lighting UF #2-10 AWG Grounded		
From	To	
CB1	SB1	
SB1	SB1	
SB1	SB4	
CB1	SB11	
SB11	SB8	

EVP CABLE		
From	To	
CB1	SB5 (HEAD A)	
CB1	SB13 (HEAD B)	
CB1	SB1 (HEAD C)	
CB1	SB8 (HEAD D)	

Pull Box Bonding Jumper 10 AWG Green XLP		
From	To	
PB1	SB1	
PB2	SB3	
PB4	SB4	
PB5	SB5	
PB6	SB7	
PB9	SB8	
PB10	SB10	
PB12	SB11	
PB13	SB13	
PB14	SB14	
PB17	CB1	



TRAFFIC CONTROL SIGNAL
US 45/STH 100 & EDGERTON AVENUE
VILLAGE OF HALES CORNERS
MILWAUKEE COUNTY
SIGNAL NO. S40-1151
RECORD CONTACT: PARKER WIR
DESIGNED BY: KING
REVISED BY:
PAGE 1 OF 1



LEGEND

- ☒ CONTROL CABINET AND BASE (SEE SIGNAL PLANS)
- NONMETALLIC INTERCONNECT CONDUIT 2", UNLESS OTHERWISE NOTED
- ⊙ PULL BOXES STEEL 24"x42"
- ⊞ COMMUNICATIONS VAULT TYPE 1

NOTE: GRAYSHADE REPRESENTS EXISTING, UNLESS OTHERWISE NOTED

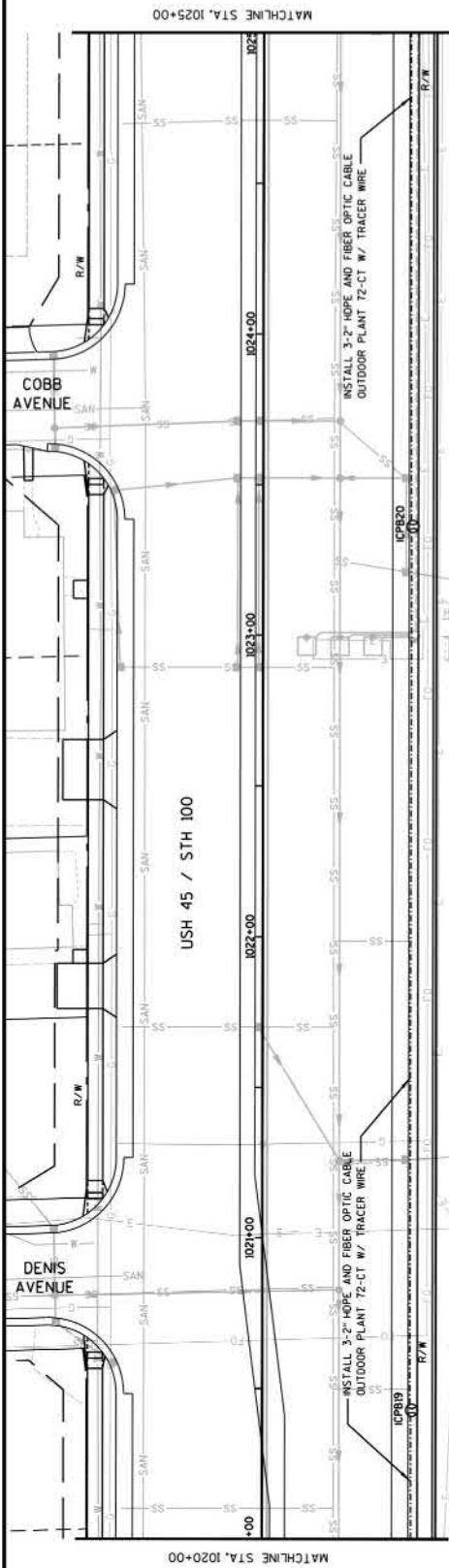
TRAFFIC CONTROL
USH 45/STH 100
VILLAGE OF HALES CORNERS, CITY OF
FRANKLIN, CITY OF GREENFIELD
MILWAUKEE COUNTY

SIGNAL NO. 540-1446, 540-1076, 540-1074, 540-1151, 540-1442

DESIGNED BY: STRAND ASSOCIATES
REVIEWED BY: [Signature]
DATE: 8/22/2017

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 412
September 1, 2017

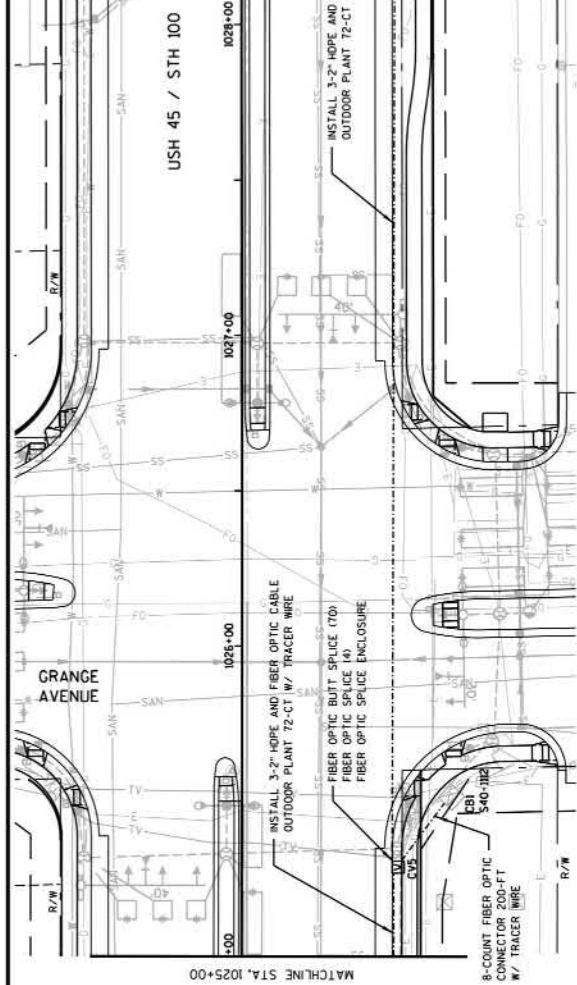
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 415
September 1, 2017



LEGEND

- CONTROL CABINET AND BASE (SEE SIGNAL PLANS)
- NONMETALLIC INTERCONNECT CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOXES STEEL 24"x42"
- COMMUNICATIONS VAULT TYPE 1

NOTE: GRAYSHADE REPRESENTS EXISTING, UNLESS OTHERWISE NOTED



TRAFFIC CONTROL
USH 45/STH 100
VILLAGE OF HALES CORNERS, CITY OF
FRANKLIN, CITY OF GREENFIELD
MILWAUKEE COUNTY

SIGNAL NO. S40-1446, S40-1074, S40-1448, S40-1449, S40-1451, S40-1452

REGIONAL CONTACT: PARKINER WIRE
DESIGNED BY: STRAND ASSOCIATES
REVISED BY:

INTERCONNECT
PAGE 5 OF 8

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET 415

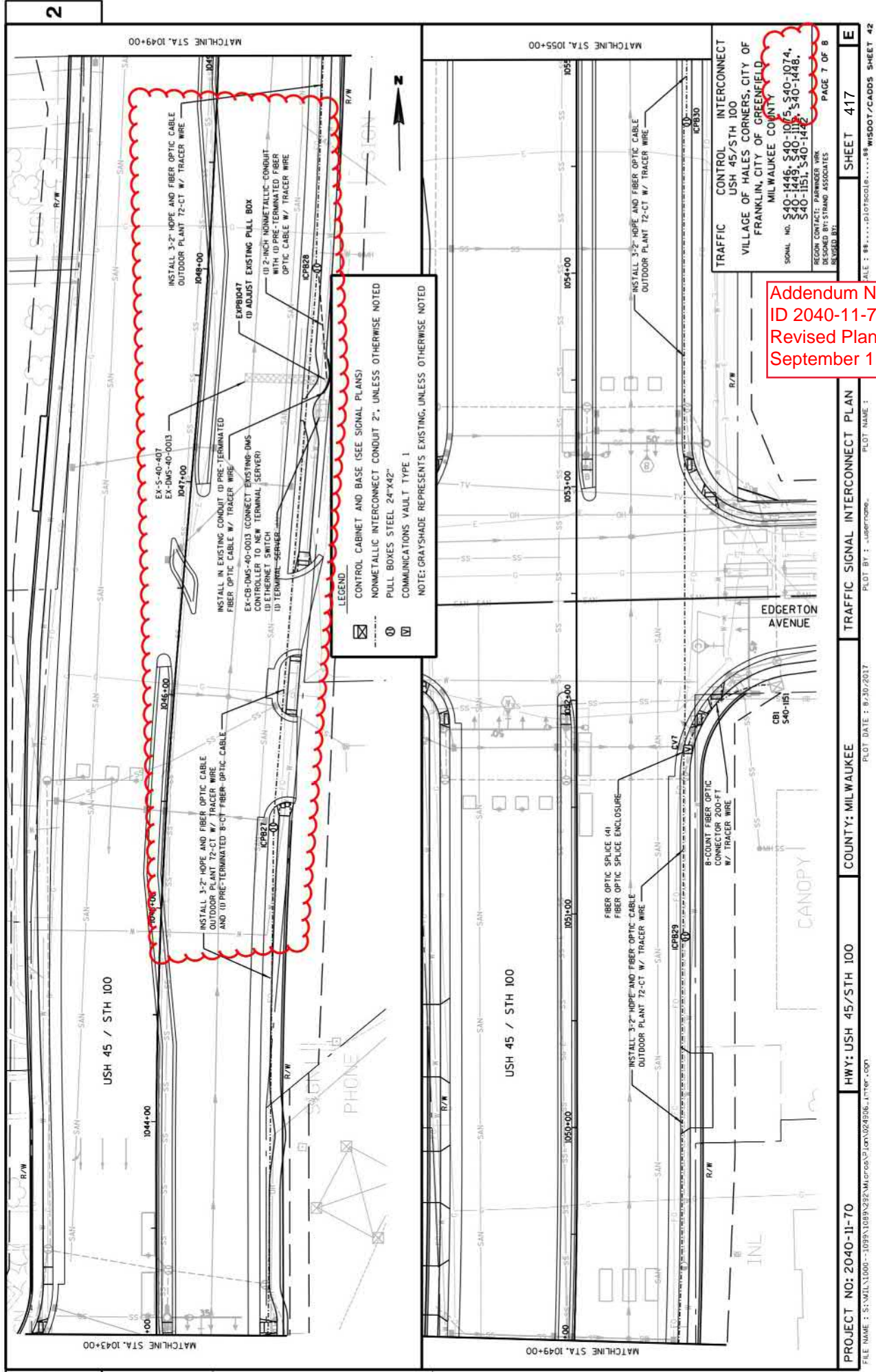
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PLOT DATE : 9/22/2017

PLOT BY : .user.name

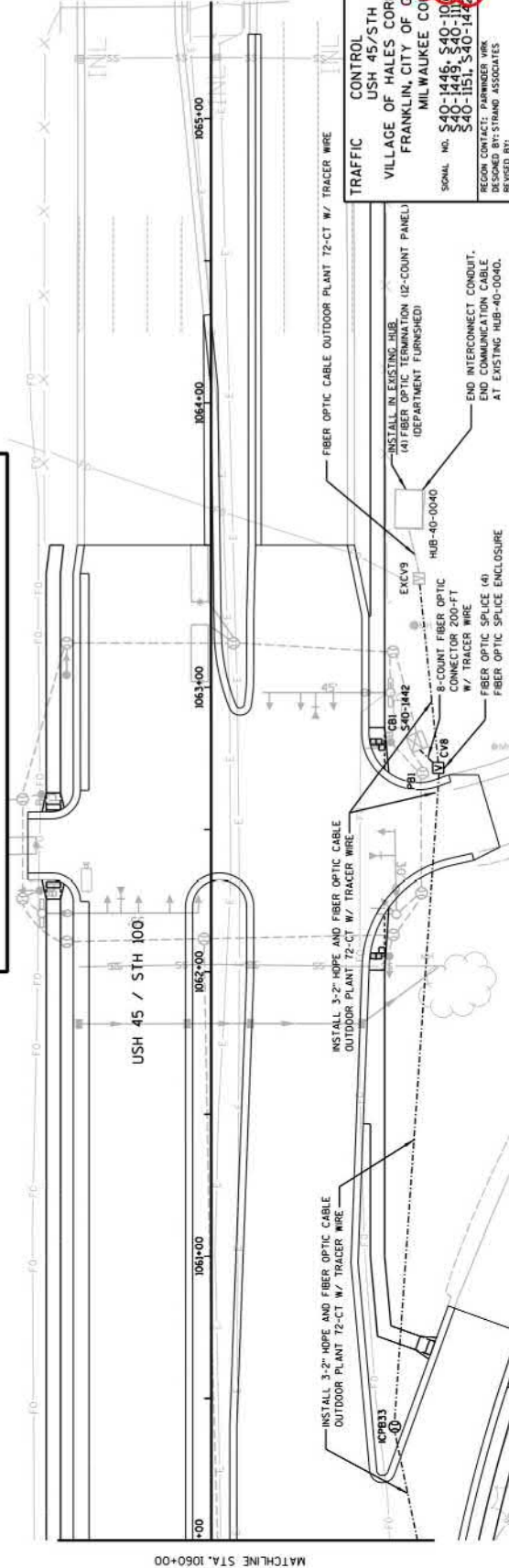
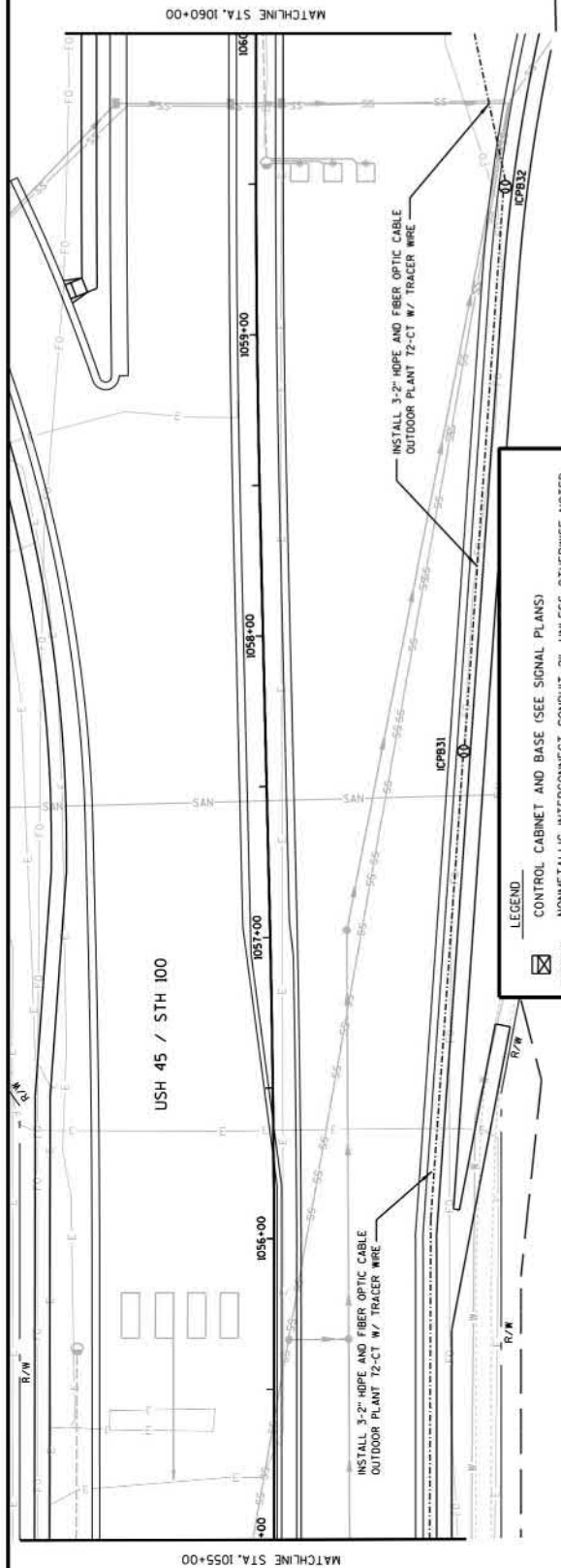
PLOT SCALE : 88'.....plot scale.....88 WISDOT/CADD'S SHEET 42



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 417
September 1, 2017

PROJECT NO: 2040-11-70
FILE NAME : S:\MIL\1000--1099\1099\232\MicroStation\024936_1inter.dgn
PLOT DATE : 9/30/2017
PLOT BY : j.ludwig
COUNTY: MILWAUKEE
TRAFFIC SIGNAL INTERCONNECT PLAN
SHEET 417
E

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 418
September 1, 2017



TRAFFIC CONTROL INTERCONNECT
USH 45/STH 100
VILLAGE OF HALES CORNERS, CITY OF
FRANKLIN, CITY OF GREENFIELD
MILWAUKEE COUNTY

SIGNAL NO. S40-1446, S40-1015, S40-1074,
S40-1151, S40-1442

REGIONAL CONTACT: PARKINER WIRE
DESIGNED BY: STRAND ASSOCIATES
REVISED BY: PAGE 8 OF 8

TRAFFIC SIGNAL INTERCONNECT PLAN

COUNTY: MILWAUKEE

HWY: USH 45/STH 100

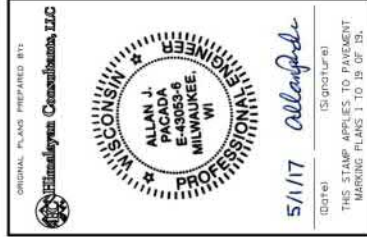
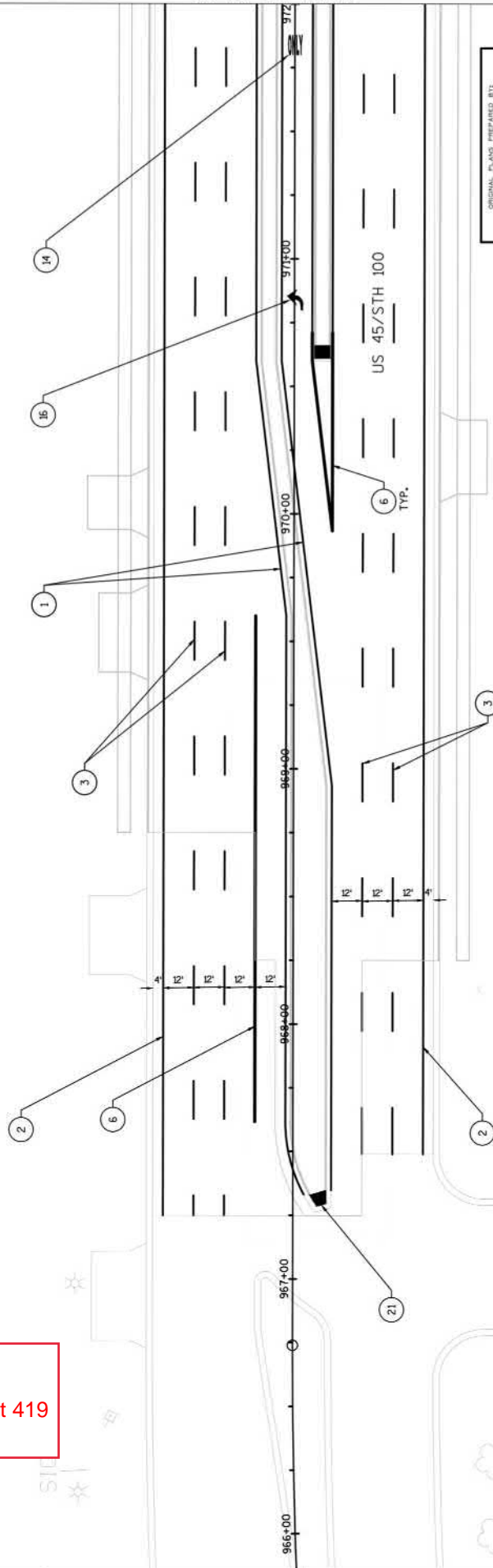
PROJECT NO: 2040-11-70

SHEET 418



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 419
September 1, 2017

MATCH LINE 972+00



- 21 PAVEMENT MARKING ISLAND NOSE EPOXY
- 22 PAVEMENT MARKING CURB EPOXY
- 23 PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- 24 PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- 25 PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

- 26 PAVEMENT MARKING WORDS EPOXY (WHITE)
- 27 PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- 28 PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- 29 PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- 30 PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- 31 PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- 32 PAVEMENT MARKING EPOXY 6-INCH (WHITE)

- 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
- 6 PAVEMENT MARKING EPOXY 8-INCH (WHITE)

- 7 PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 8 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH

SHEET 1 OF 19

PROJECT NO: 2040-11-70

HWY: USH 45 / STH 100

COUNTY: MILWAUKEE

PAVEMENT MARKING

PLOT NAME :

PLOT BY : JOE JULIE

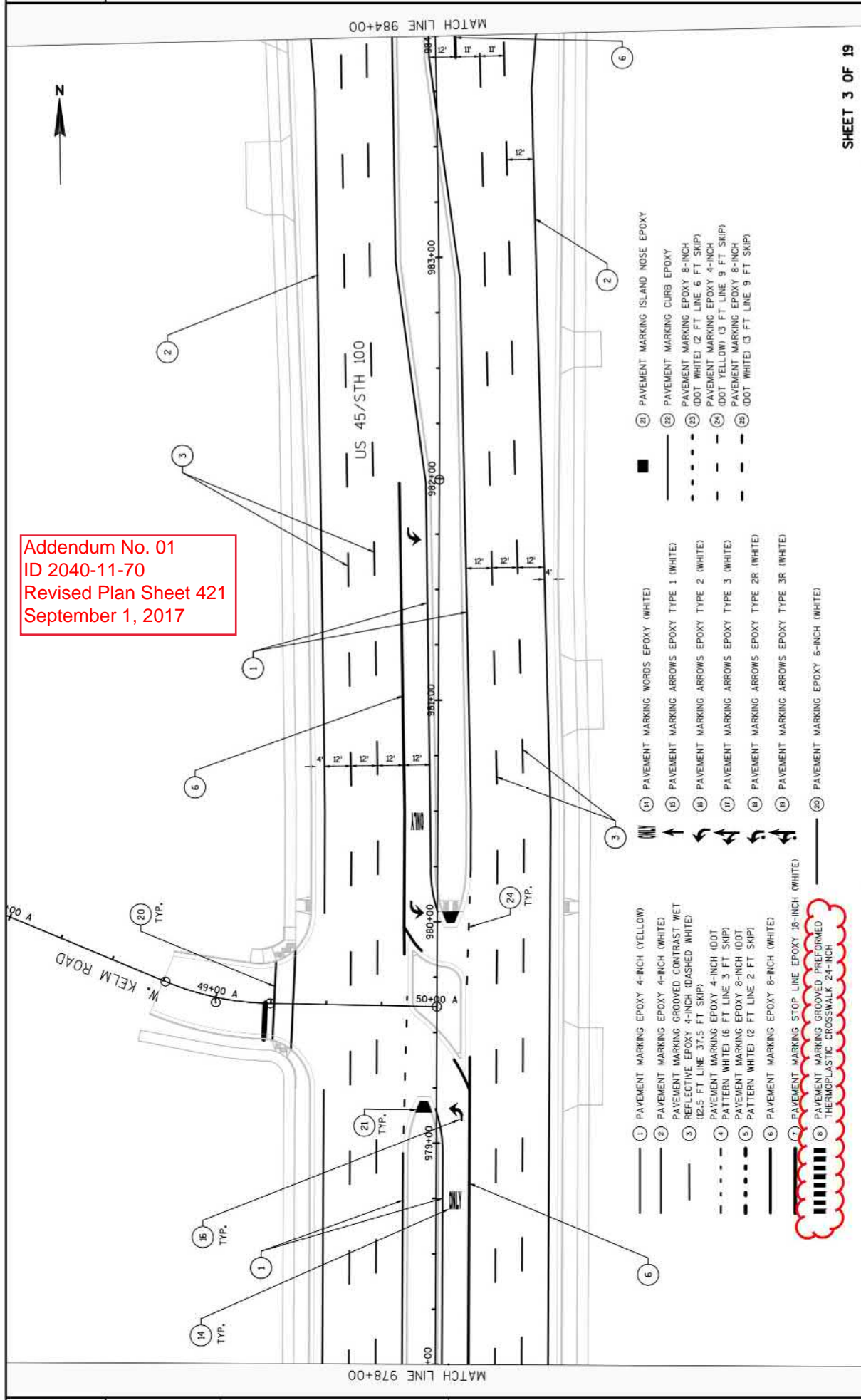
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PLOT SCALE : 1" = 40' TYP. REF WISDOT/CADD SHEET 42

SHEET 419

E

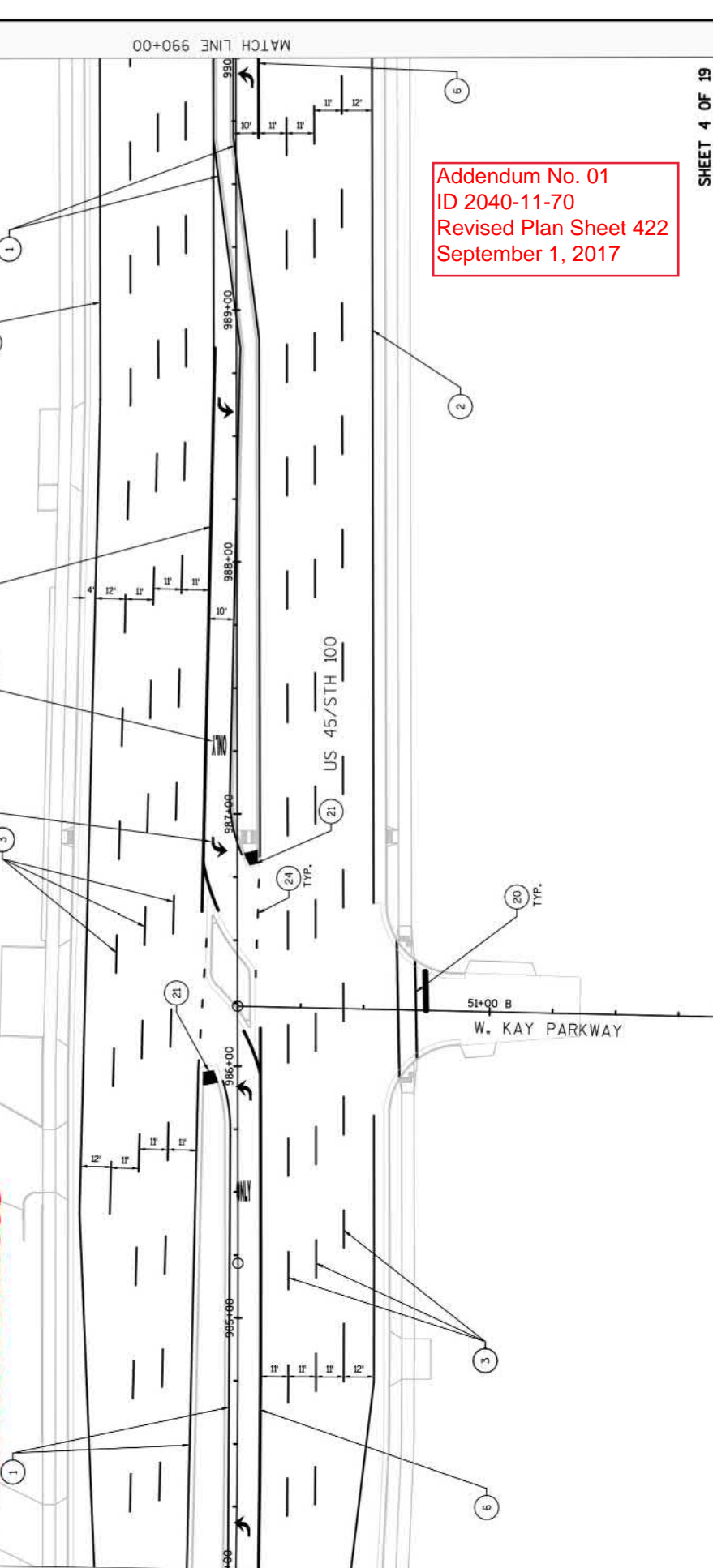




Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 421
September 1, 2017

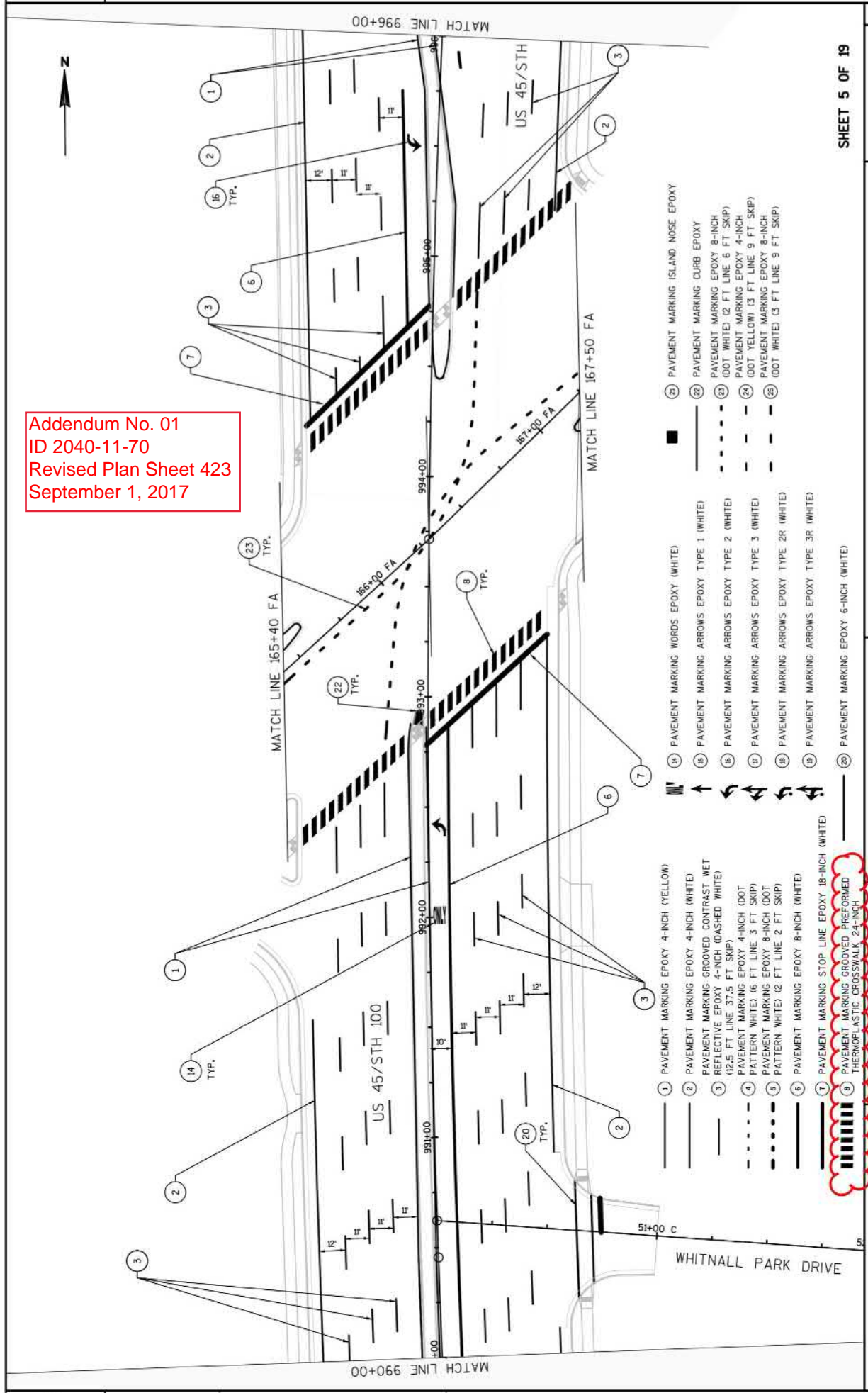
- 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (2.5 FT LINE 3 FT SKIP)
- 4 PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- 5 PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
- 6 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 7 PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 8 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- 14 PAVEMENT MARKING WORDS EPOXY (WHITE)
- 15 PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- 16 PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- 17 PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- 18 PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- 19 PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- 20 PAVEMENT MARKING EPOXY 6-INCH (WHITE)
- 21 PAVEMENT MARKING ISLAND NOSE EPOXY
- 22 PAVEMENT MARKING CURB EPOXY
- 23 PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- 24 PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- 25 PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

- 1. PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- 2. PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3. REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (2.5 FT LINE 37.5 FT SKIP)
- 4. PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- 5. PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
- 6. PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 8. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- 9. PAVEMENT MARKING WORDS EPOXY (WHITE)
- 10. PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- 11. PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- 12. PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- 13. PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- 14. PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- 15. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 16. PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- 17. PAVEMENT MARKING ISLAND NOSE EPOXY
- 18. PAVEMENT MARKING CURB EPOXY
- 19. PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- 20. PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- 21. PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

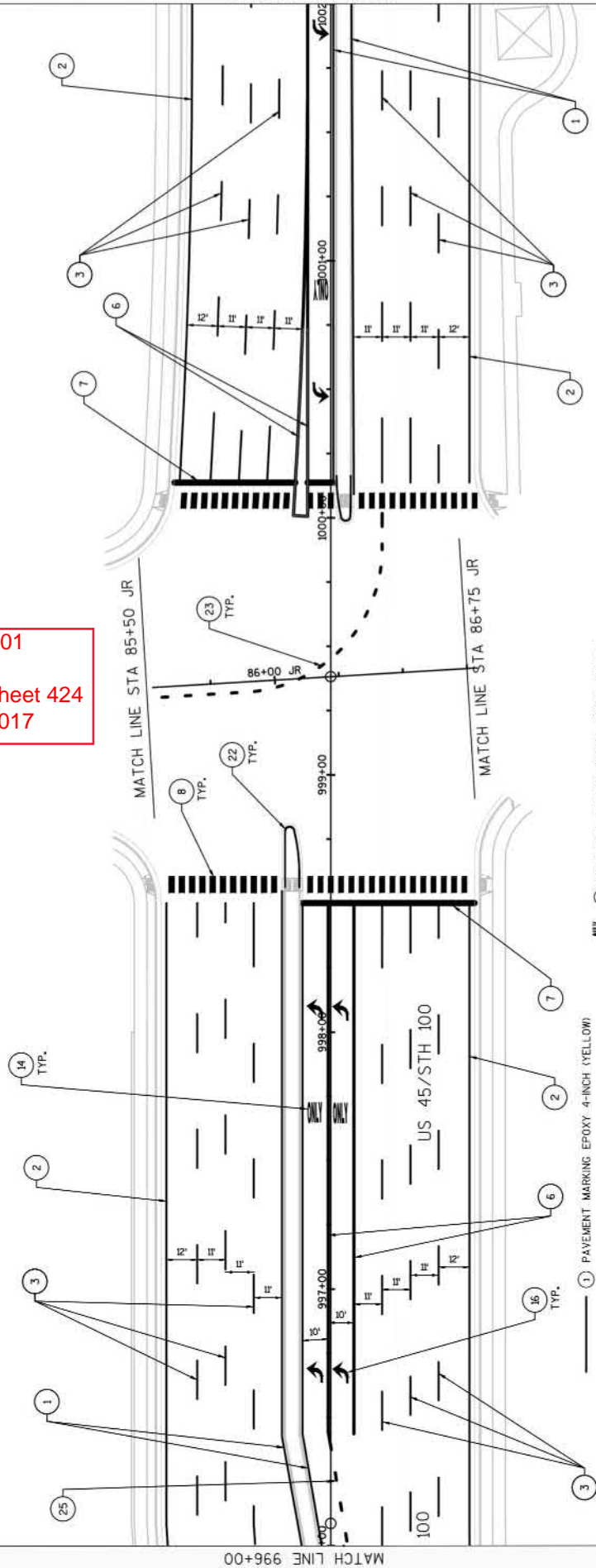


Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 422
September 1, 2017

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 423
September 1, 2017



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 424
September 1, 2017



- | | | | |
|----|---|----|--|
| 14 | PAVEMENT MARKING WORDS EPOXY (WHITE) | 21 | PAVEMENT MARKING ISLAND NOSE EPOXY |
| 15 | PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE) | 22 | PAVEMENT MARKING CURB EPOXY |
| 16 | PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE) | 23 | PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP) |
| 17 | PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE) | 24 | PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP) |
| 18 | PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE) | 25 | PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP) |
| 19 | PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE) | | |
| 20 | PAVEMENT MARKING EPOXY 6-INCH (WHITE) | | |

- | | |
|---|---|
| 1 | PAVEMENT MARKING EPOXY 4-INCH (YELLOW) |
| 2 | PAVEMENT MARKING EPOXY 4-INCH (WHITE) |
| 3 | PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (2.5 FT LINE 37.5 FT SKIP) |
| 4 | PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP) |
| 5 | PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP) |
| 6 | PAVEMENT MARKING EPOXY 8-INCH (WHITE) |
| 7 | PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE) |
| 8 | PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH |

SHEET 6 OF 19

PROJECT NO: 2040-11-70

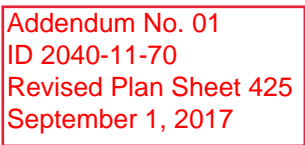
HWY: USH 45 / STH 100

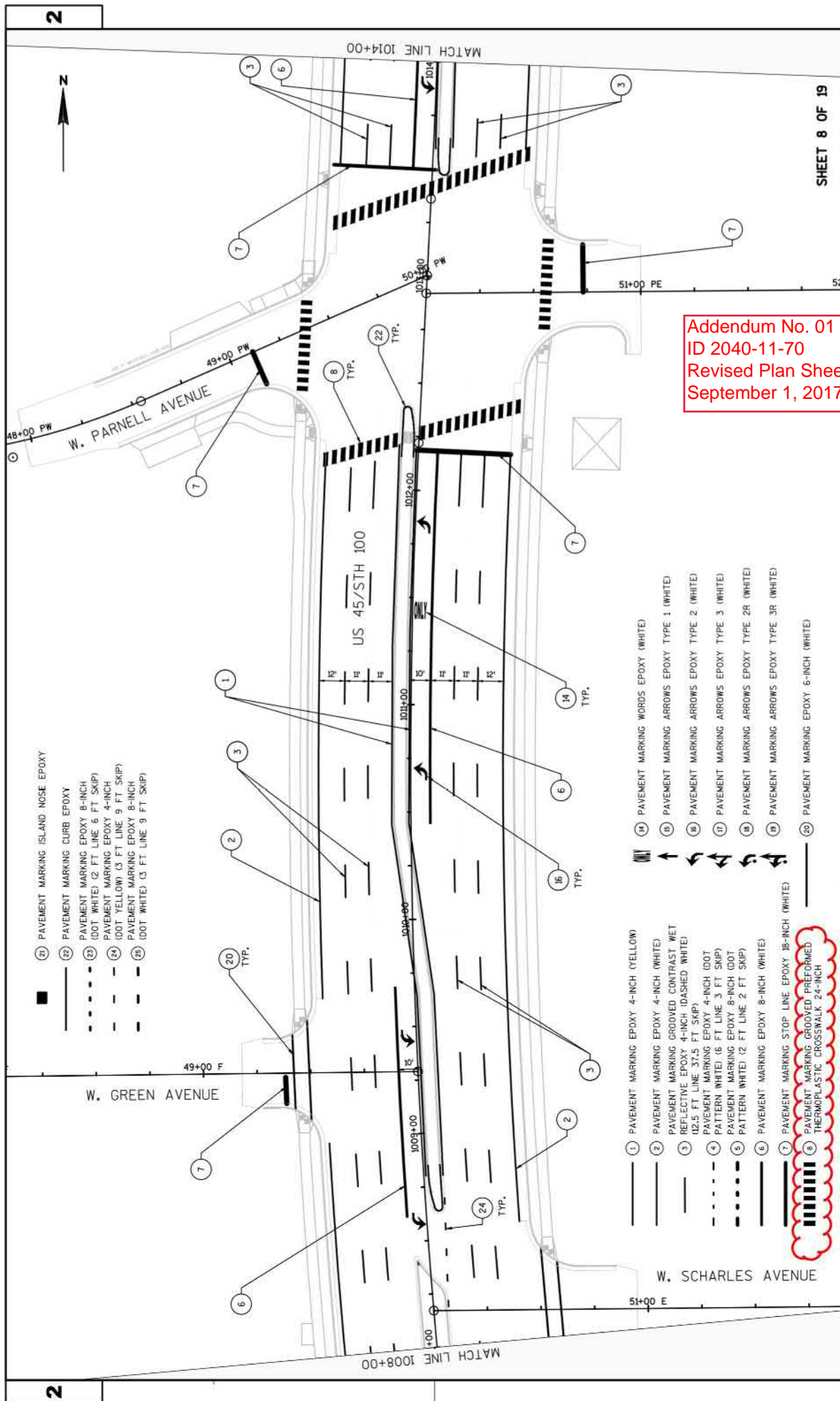
COUNTY: MILWAUKEE

PAVEMENT MARKING

SHEET 424

FILE NAME: Y:\PROJECTS\11031.016 USH 45 - ISTRAN\NSHEETSP\AR024501-PV.DWG
PLOT DATE: 8/23/2017 3:57 PM
PLOT BY: JOE JOLIE
PLOT NAME: 11 JRDH * 40 T88T-XREF WISDOT/CADD SHEET 42



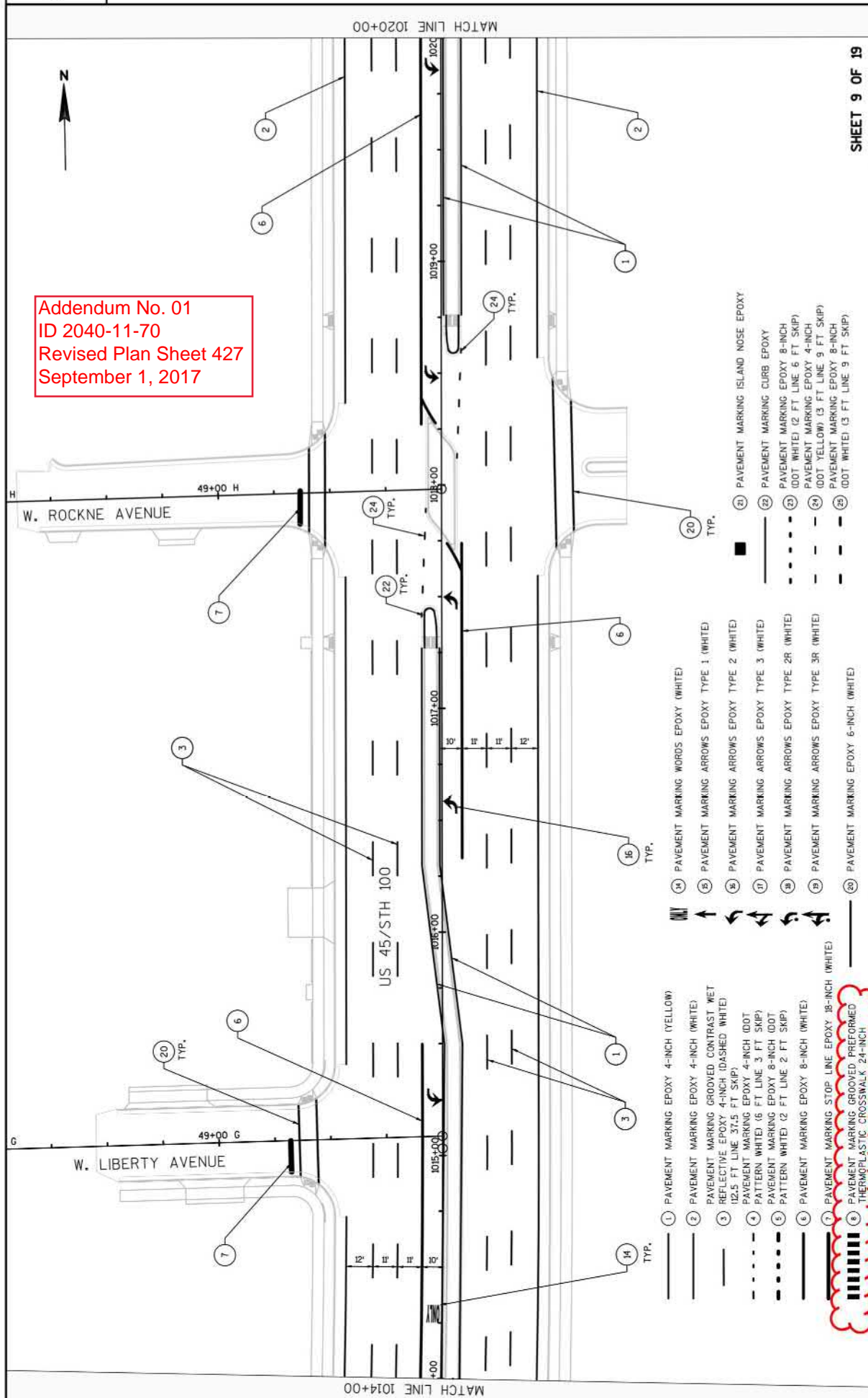


- (21) PAVEMENT MARKING ISLAND NOSE EPOXY
- (22) PAVEMENT MARKING CURB EPOXY
- (23) PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- (24) PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- (25) PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

- (1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (3) REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (4) PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- (5) PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
- (6) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (7) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (8) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- (14) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (15) PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- (16) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (17) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- (18) PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- (19) PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- (20) PAVEMENT MARKING EPOXY 6-INCH (WHITE)

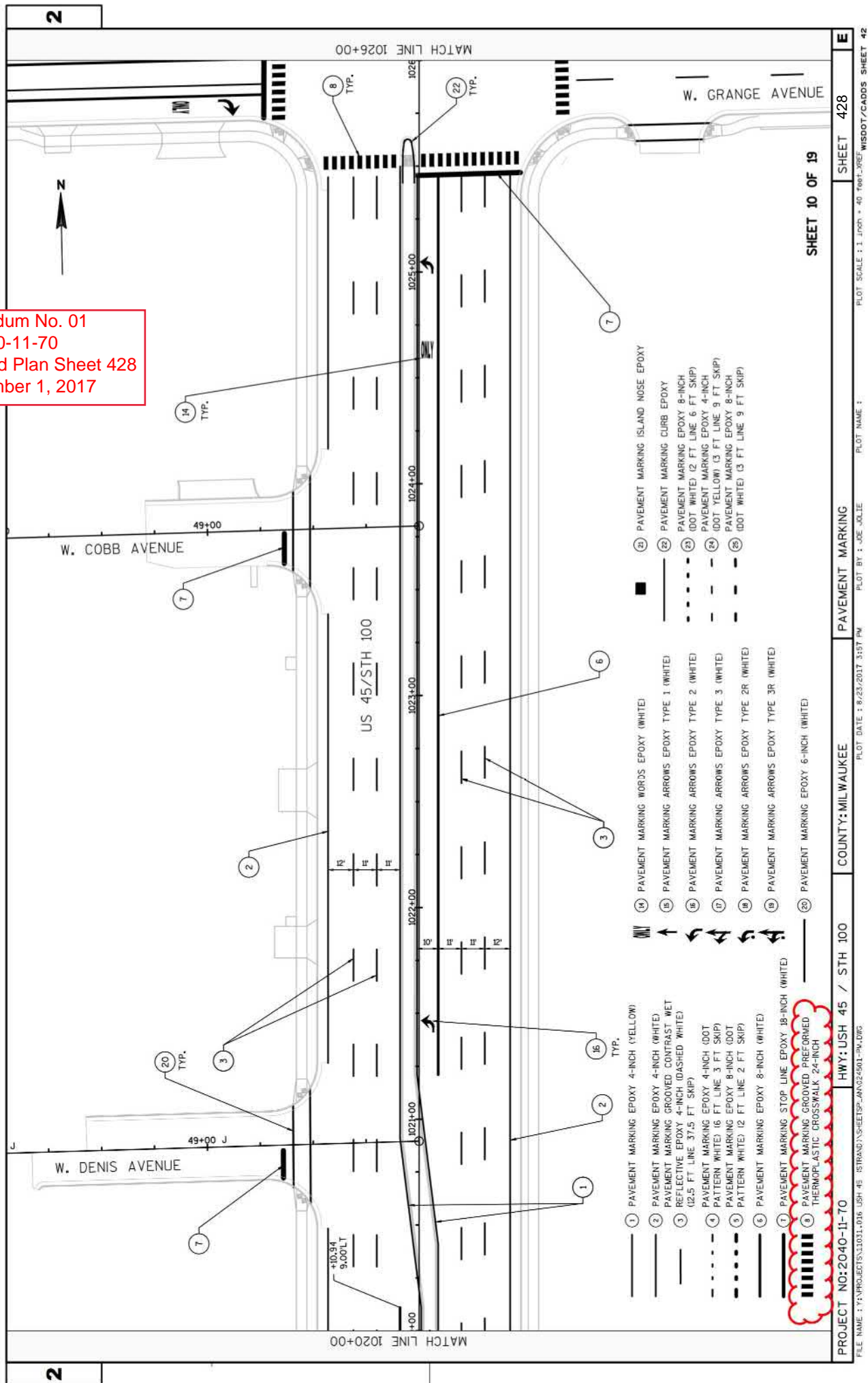
Addendum No. 01
 ID 2040-11-70
 Revised Plan Sheet 426
 September 1, 2017

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 427
September 1, 2017

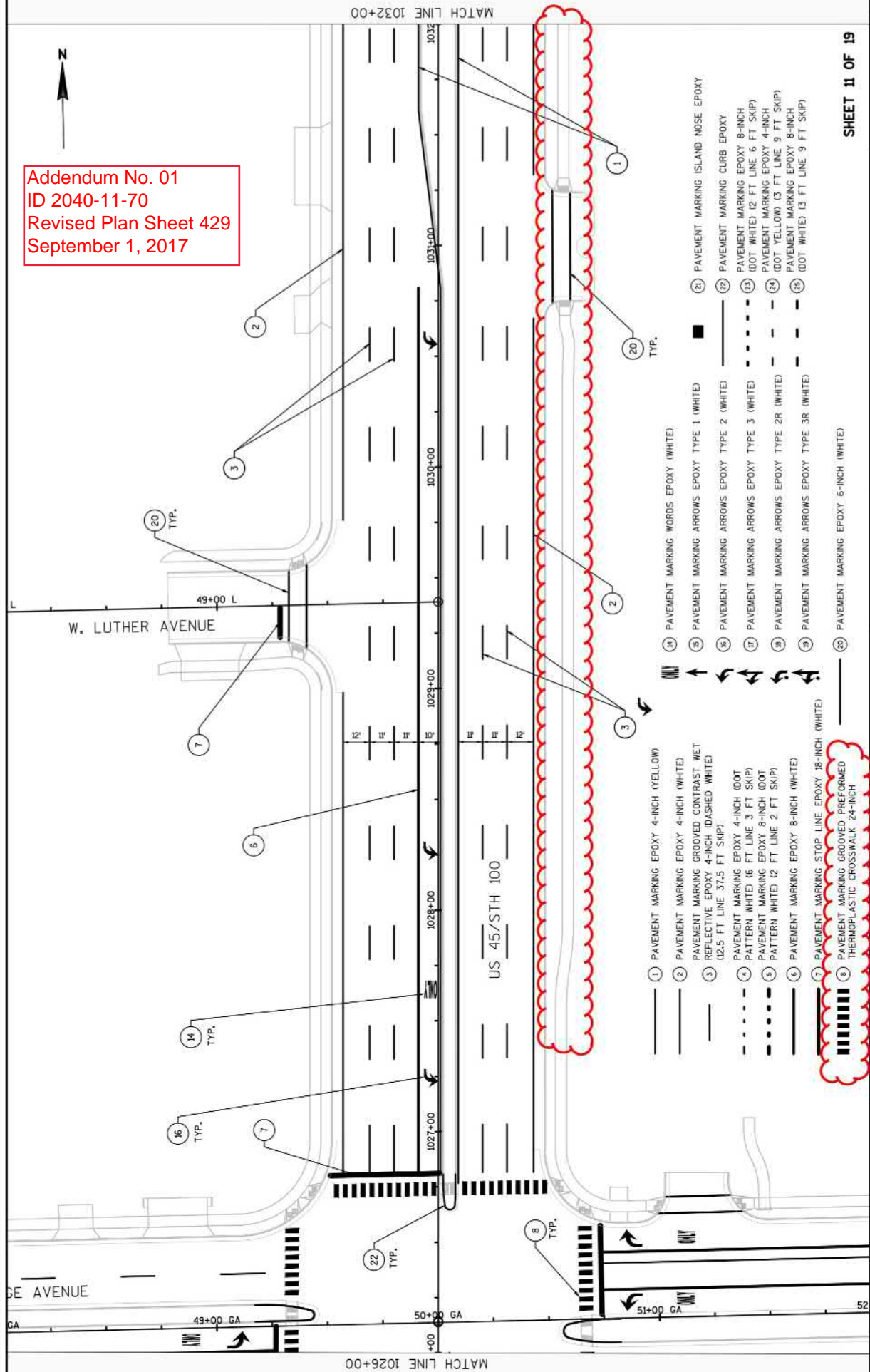


- (1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (3) PAVEMENT MARKING GROOVED CONTRAST WET (2.5 FT LINE 37.5 FT SKIP)
- (4) PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- (5) PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
- (6) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (7) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (8) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- (9) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (10) PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- (11) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (12) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- (13) PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- (14) PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- (15) PAVEMENT MARKING EPOXY 6-INCH (WHITE)
- (16) PAVEMENT MARKING ISLAND NOSE EPOXY
- (17) PAVEMENT MARKING CURB EPOXY
- (18) PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- (19) PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- (20) PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

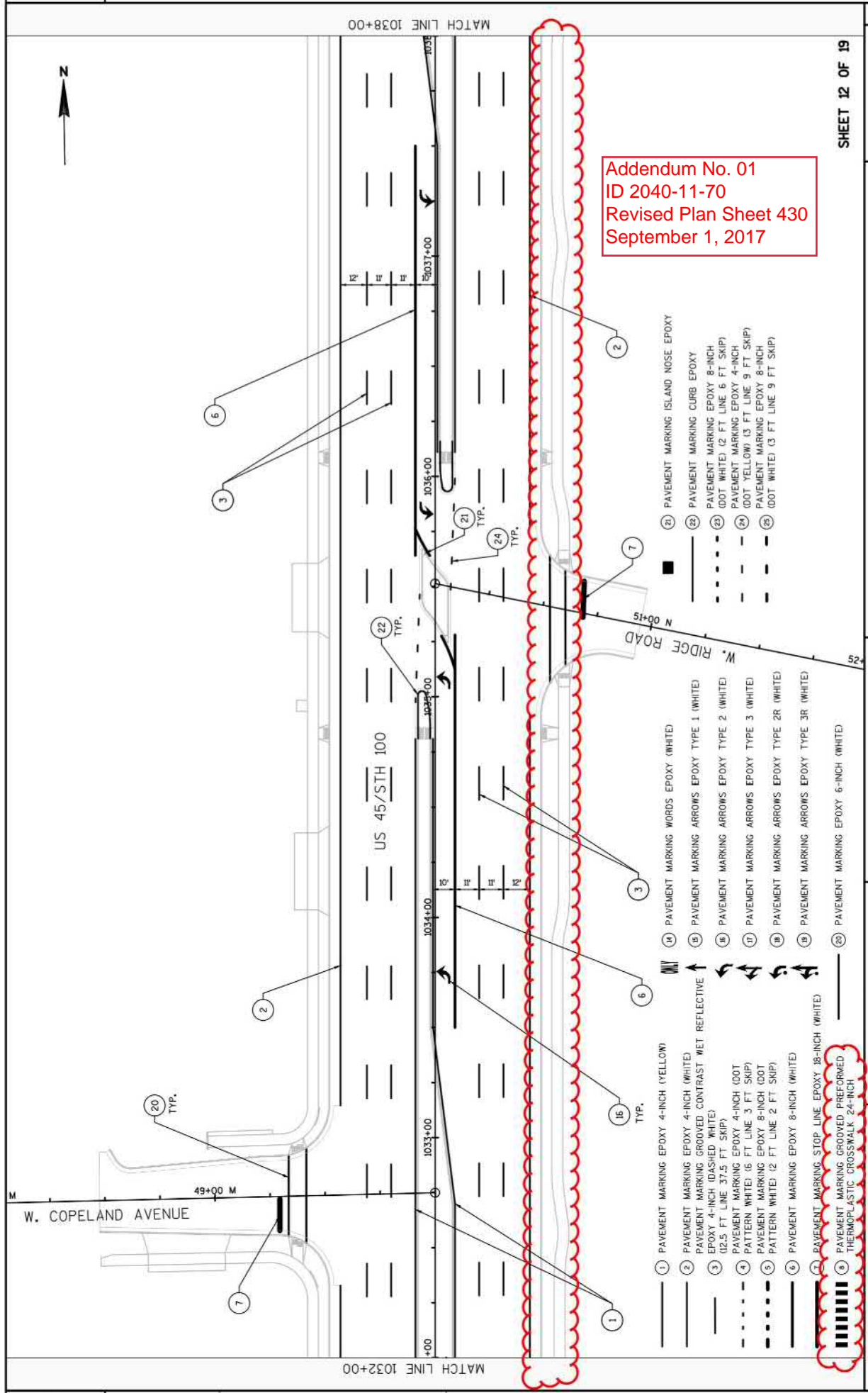
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 428
September 1, 2017



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 429
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SHEET 11 OF 19



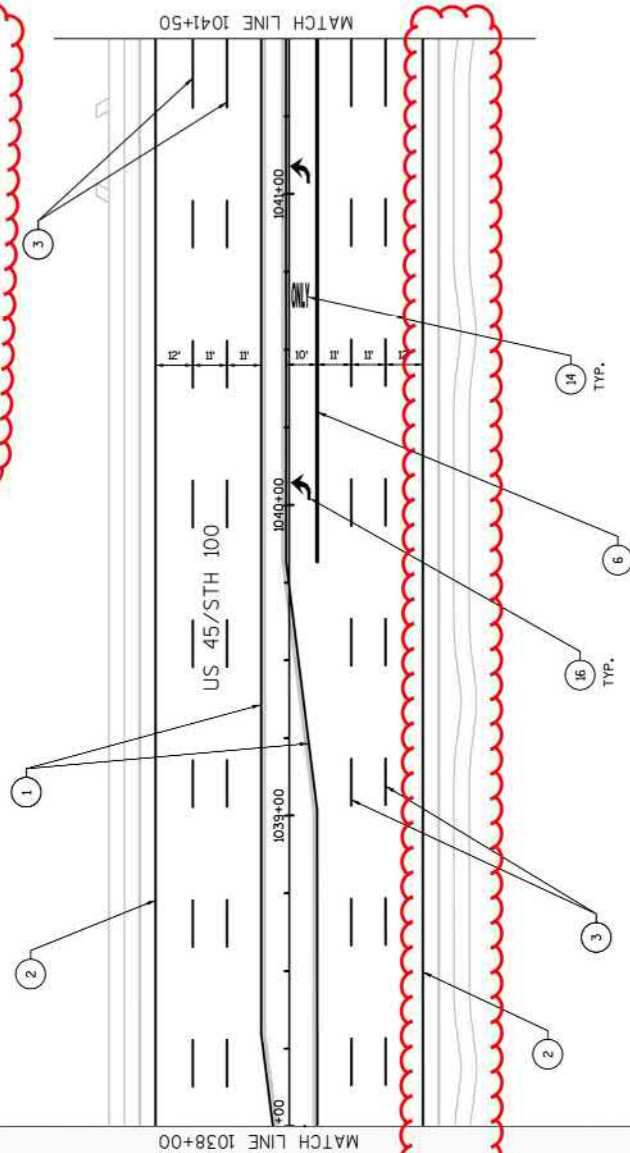
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 430
September 1, 2017

- | | | |
|---|--|---|
| <p>1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)</p> <p>2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)</p> <p>3 PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)</p> <p>4 PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) 16 FT LINE 3 FT SKIP</p> <p>5 PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) 12 FT LINE 2 FT SKIP</p> <p>6 PAVEMENT MARKING EPOXY 8-INCH (WHITE)</p> <p>7 PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)</p> <p>8 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH</p> | <p>9 PAVEMENT MARKING WORDS EPOXY (WHITE)</p> <p>10 PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)</p> <p>11 PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)</p> <p>12 PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)</p> <p>13 PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)</p> <p>14 PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)</p> <p>15 PAVEMENT MARKING EPOXY 6-INCH (WHITE)</p> | <p>16 PAVEMENT MARKING ISLAND NOSE EPOXY</p> <p>17 PAVEMENT MARKING CURB EPOXY</p> <p>18 PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)</p> <p>19 PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)</p> <p>20 PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)</p> |
|---|--|---|

SHEET 12 OF 19



- (1) PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- (2) PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- (3) PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (2.5 FT LINE 37.5 FT SKIP)
- (4) PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- (5) PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
- (6) PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- (7) PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (8) PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- (9) PAVEMENT MARKING WORDS EPOXY (WHITE)
- (10) PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- (11) PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- (12) PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- (13) PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- (14) PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- (15) PAVEMENT MARKING EPOXY 6-INCH (WHITE)
- (16) PAVEMENT MARKING ISLAND NOSE EPOXY
- (17) PAVEMENT MARKING CURB EPOXY
- (18) PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- (19) PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- (20) PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)



SEE SHEETS 1 OF 7 TO 5 OF 7 FOR
MAINLINE PAVEMENT MARKING FROM
STATION 1041+50 TO STATION 1064+50

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 431
September 1, 2017



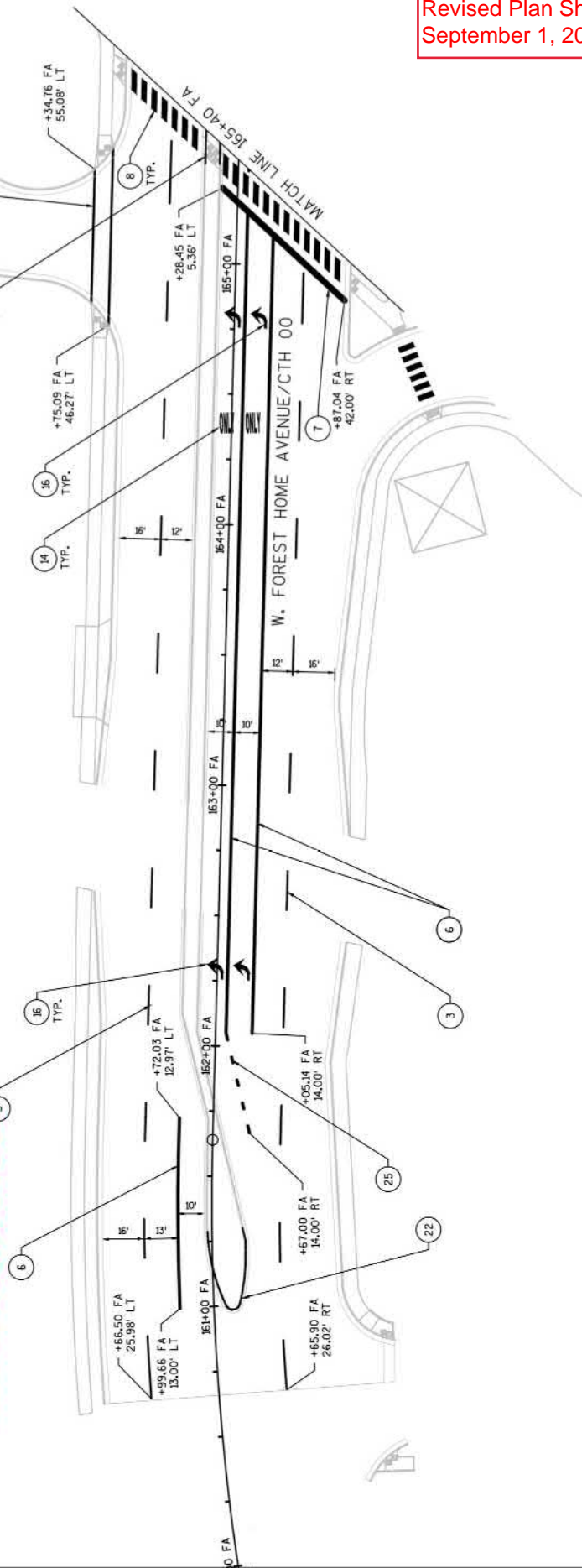
- PAVEMENT MARKING ISLAND NOSE EPOXY
- PAVEMENT MARKING CURB EPOXY
- PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

- PAVEMENT MARKING WORDS EPOXY (WHITE)
- PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- PAVEMENT MARKING EPOXY 6-INCH (WHITE)

- PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (2.5 FT LINE 37.5 FT SKIP)
- PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
- PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

- PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH

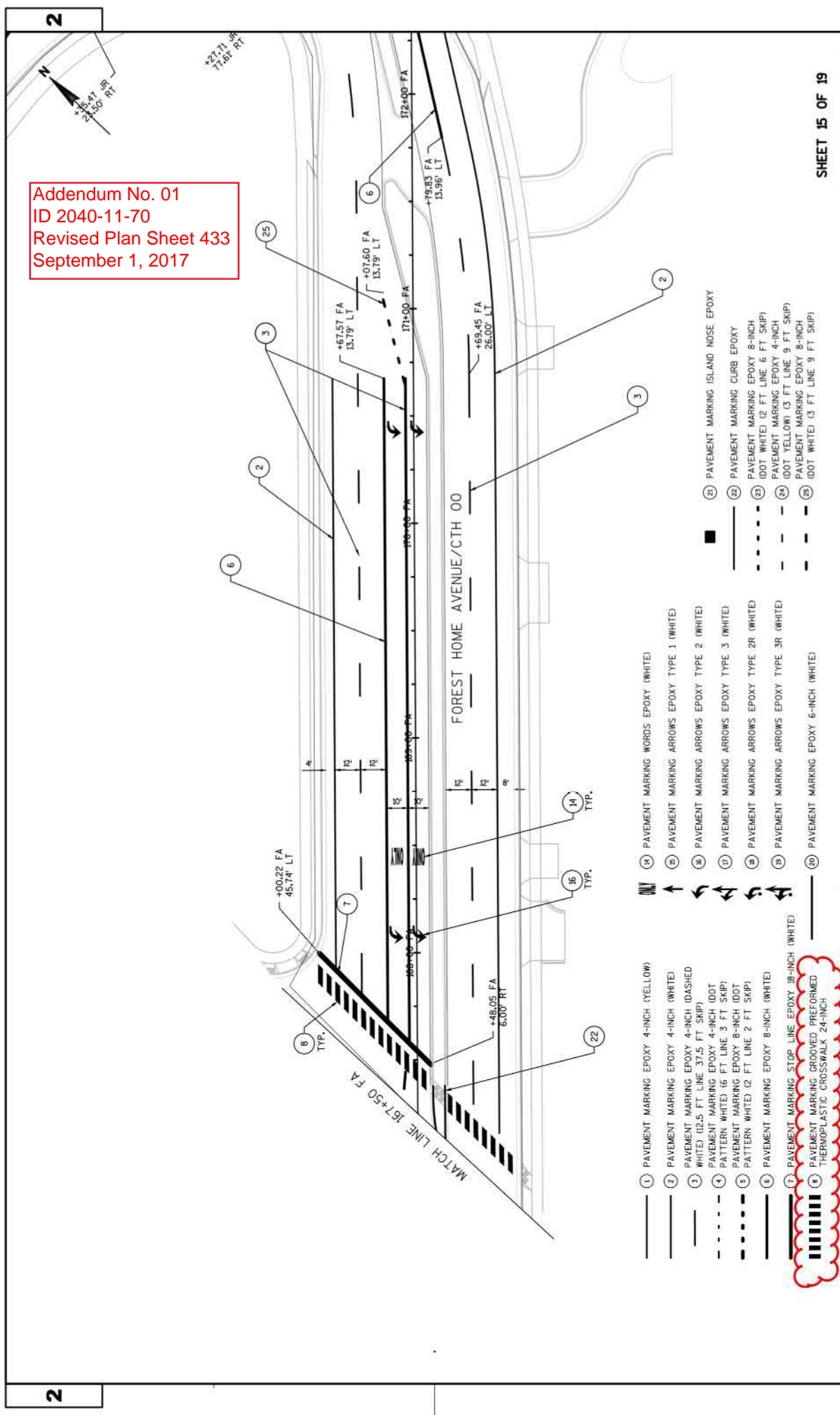


Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 432
September 1, 2017

SHEET 14 OF 19

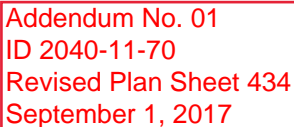
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PLOT DATE: 8/23/2017 3:59 PM					
PLOT BY: JOE JOLIE					
PLOT SCALE: 1" = 40' 100' WISDOT/CADD'S SHEET 42					

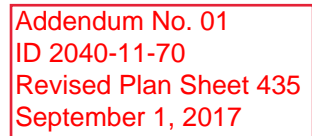
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 433
September 1, 2017



- ① PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING EPOXY 4-INCH (DASHED WHITE) (2.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 2 FT SKIP)
- ⑥ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑦ PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- ⑧ PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- ⑨ PAVEMENT MARKING WORDS EPOXY (WHITE)
- ⑩ PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- ⑪ PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- ⑫ PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- ⑬ PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- ⑭ PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- ⑮ PAVEMENT MARKING EPOXY 6-INCH (WHITE)
- ⑯ PAVEMENT MARKING ISLAND NOSE EPOXY
- ⑰ PAVEMENT MARKING CURB EPOXY
- ⑱ PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- ⑲ PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- ⑳ PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

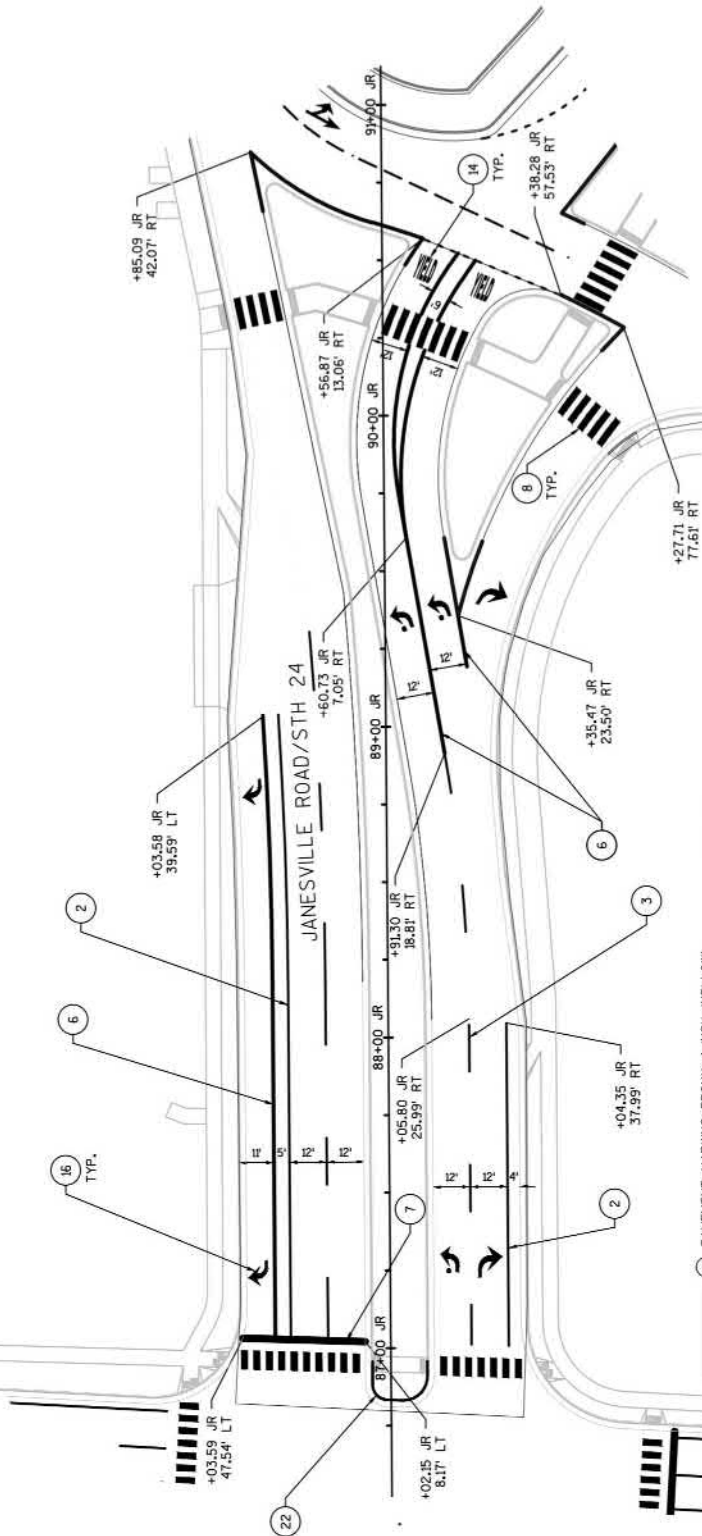
SHEET 15 OF 19







Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 436
September 1, 2017

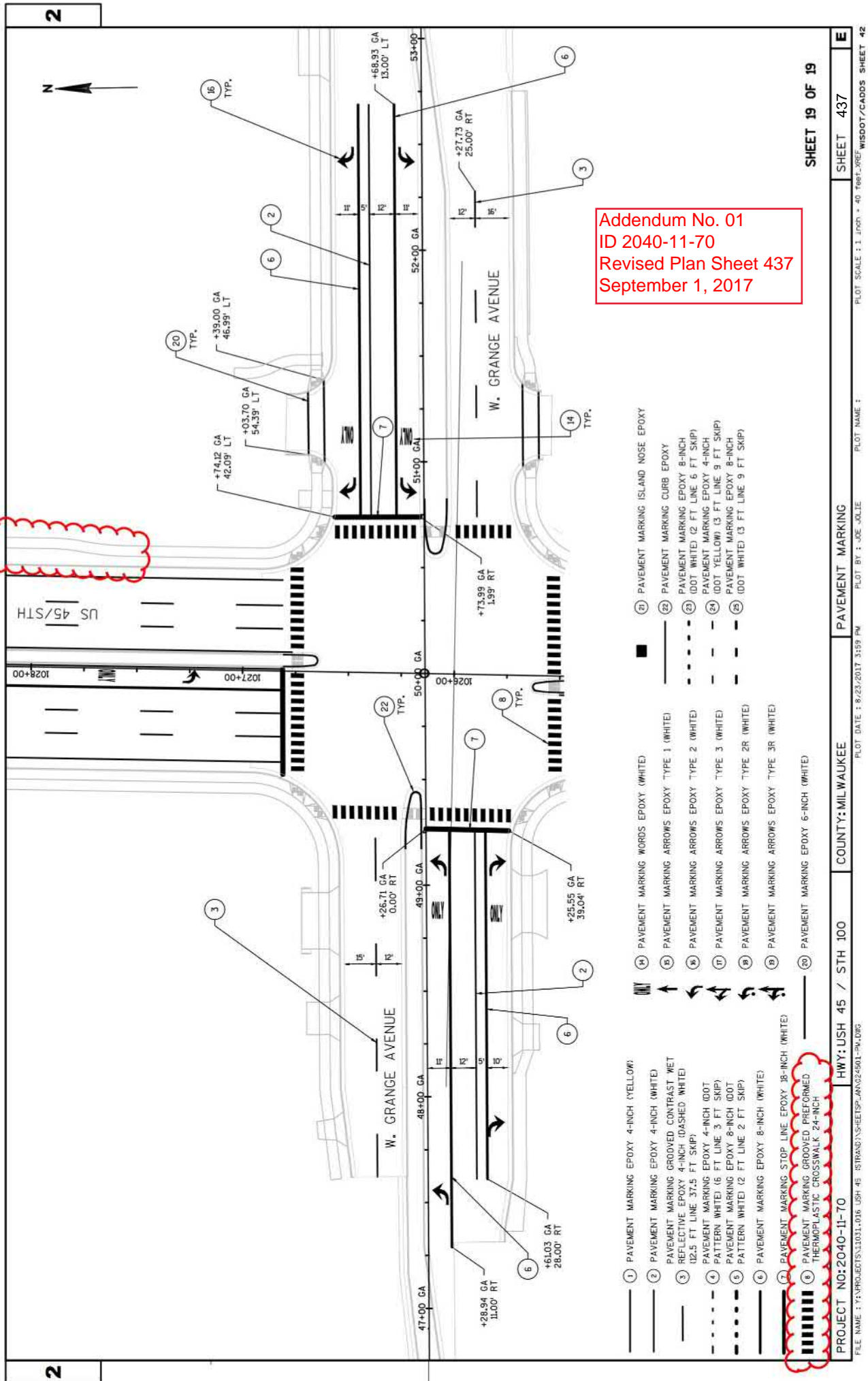


- ① PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- ② PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ③ PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (2.5 FT LINE 37.5 FT SKIP)
- ④ PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (6 FT LINE 3 FT SKIP)
- ⑤ PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) (12 FT LINE 2 FT SKIP)
- ⑥ PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑦ PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- ⑧ PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- ⑨ PAVEMENT MARKING WORDS EPOXY (WHITE)
- ⑩ PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- ⑪ PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- ⑫ PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- ⑬ PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- ⑭ PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- ⑮ PAVEMENT MARKING EPOXY 6-INCH (WHITE)
- ⑯ PAVEMENT MARKING ISLAND NOSE EPOXY
- ⑰ PAVEMENT MARKING CURB EPOXY
- ⑱ PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- ⑲ PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- ⑳ PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

SHEET 18 OF 19

SHEET 436

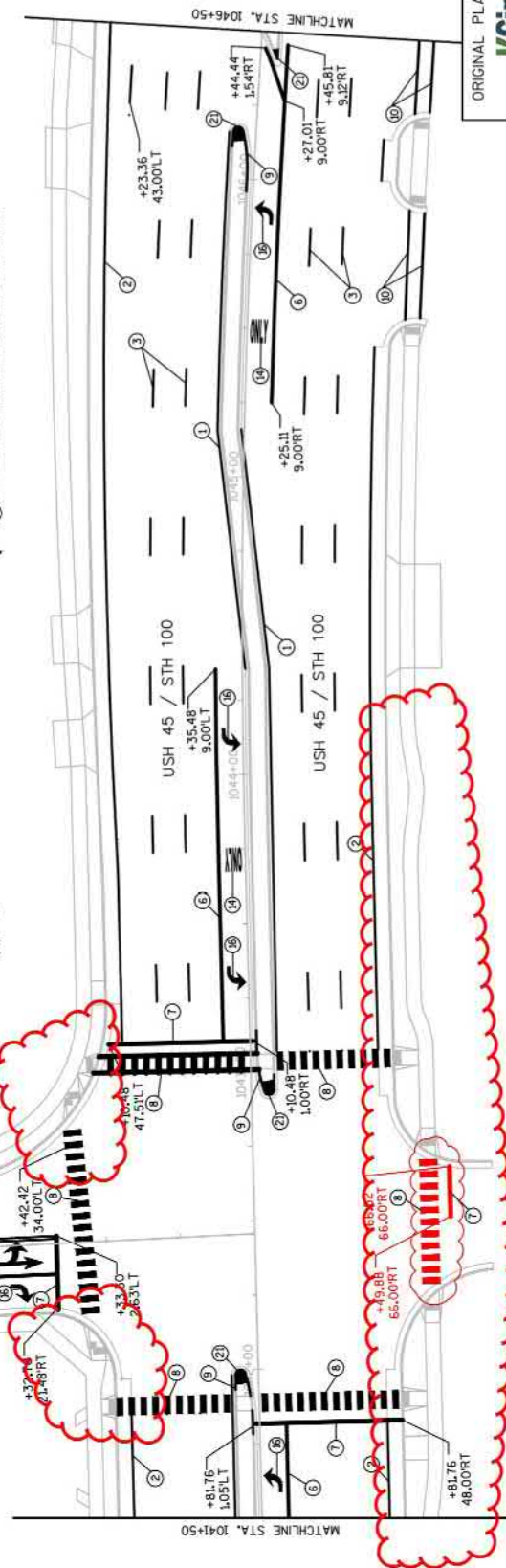
PROJECT NO: 2040-11-70 COUNTY: MILWAUKEE HWY: USH 45 / STH 100 PAVEMENT MARKING PLOT BY: JOE JOLIE PLOT NAME: PLOT SCALE: 1:1 JPOB + 40 T66T.XREF WISDOT/CADD5 SHEET 42



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 ID 2040-11-70
 Revised Plan Sheet 437
 September 1, 2017

- 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- 3 PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) 12.5 FT LINE 37.5 FT SKIP
- 4 PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) 16 FT LINE 3 FT SKIP
- 5 PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN WHITE) 12 FT LINE 2 FT SKIP
- 6 PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- 7 PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)
- 8 PAVEMENT MARKING GROOVED PREFORMED THERMOPLASTIC CROSSWALK 24-INCH
- 9 PAVEMENT MARKING WORDS EPOXY (WHITE)
- 10 PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
- 11 PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
- 12 PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
- 13 PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE)
- 14 PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)
- 15 PAVEMENT MARKING EPOXY 6-INCH (WHITE)
- 16 PAVEMENT MARKING ISLAND NOSE EPOXY
- 17 PAVEMENT MARKING CURB EPOXY
- 18 PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (2 FT LINE 6 FT SKIP)
- 19 PAVEMENT MARKING EPOXY 4-INCH (DOT YELLOW) (3 FT LINE 9 FT SKIP)
- 20 PAVEMENT MARKING EPOXY 8-INCH (DOT WHITE) (3 FT LINE 9 FT SKIP)

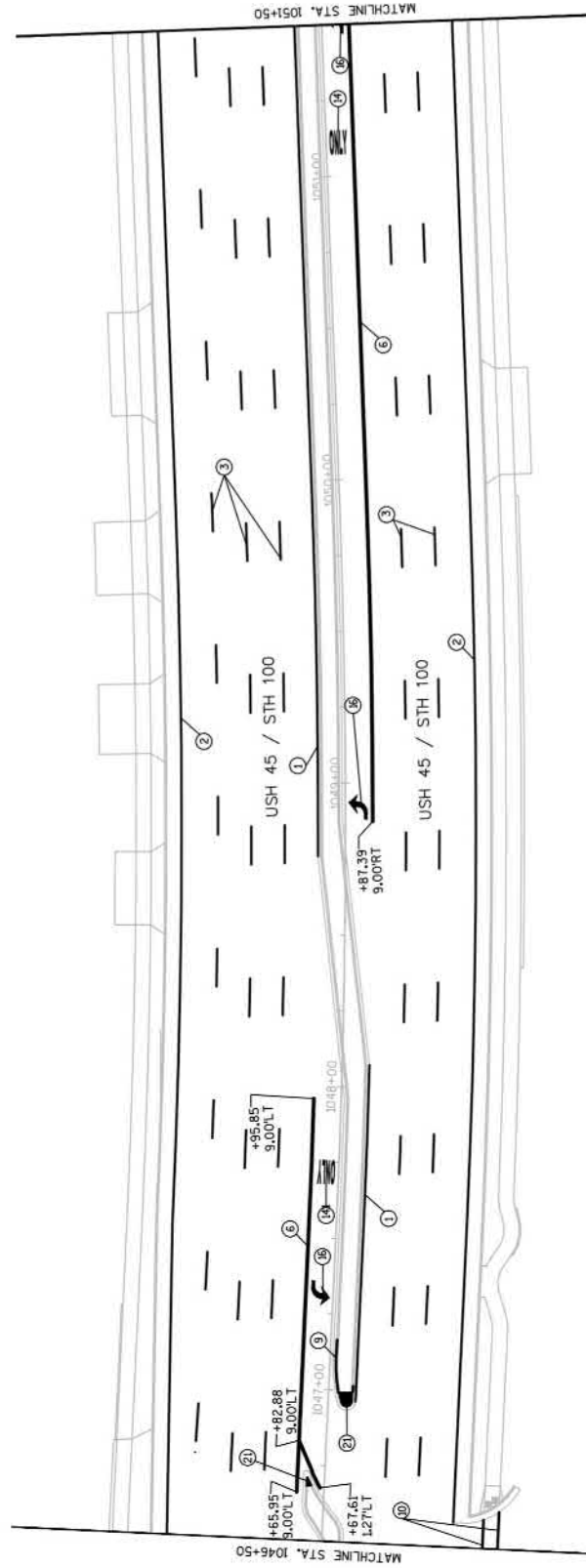
SHEET 19 OF 19



KSINGH SHEET 1 OF 7
ORIGINAL PLANS PREPARED BY




 Signature: _____
 Date: 5/1/17
 THIS STAMP APPLIES TO PAVEMENT MARKING SHEETS 1 TO 7



- | | | | |
|----|--|----|--|
| 1 | PAVEMENT MARKING EPOXY 4-INCH (YELLOW) | 15 | PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE) |
| 2 | PAVEMENT MARKING EPOXY 4-INCH (WHITE) | 16 | PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE) |
| 3 | PAVEMENT MARKING GROOVED CONTRAST NET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (02.5 FT LINE 37.5 FT SKIP) | 17 | PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE) |
| 4 | PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP) | 18 | PAVEMENT MARKING ARROWS EPOXY TYPE 2R (WHITE) |
| 5 | PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP) | 19 | PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE) |
| 6 | PAVEMENT MARKING EPOXY 8-INCH (WHITE) | 21 | PAVEMENT MARKING ISLAND NOSE EPOXY |
| 7 | PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE) | 26 | PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE) |
| 8 | PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE) | 27 | PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE) |
| 9 | PAVEMENT MARKING CURB EPOXY | | |
| 10 | PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE) | | |
| 14 | PAVEMENT MARKING WORDS EPOXY (WHITE) | | |

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 439
September 1, 2017

KSMGH SHEET 2 OF 7

SHEET 439

WISDOT/CADD'S SHEET 42

PLOT SCALE : 1 IN=40 FT

PLOT BY : MICHAEL GASPER

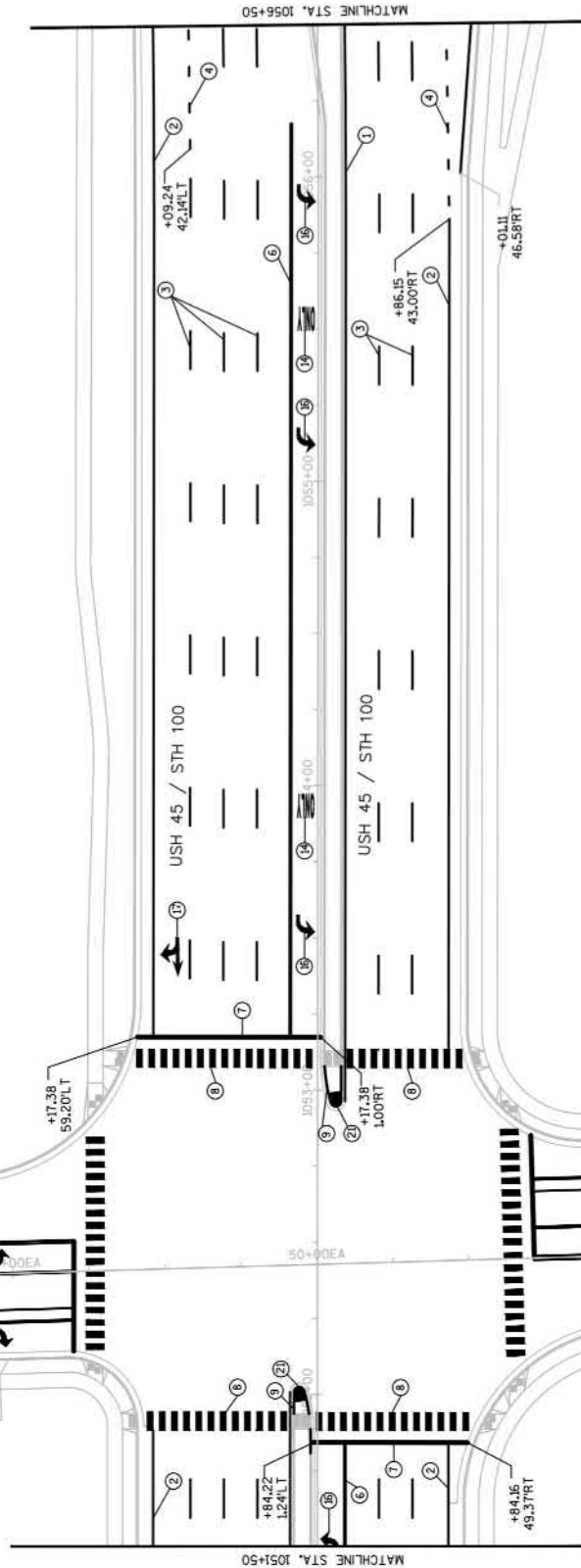
PLOT DATE : 8/23/2017 3:55 PM

COUNTY: MILWAUKEE

HWY: USH 45/STH 100

PROJECT NO: 2040-11-70

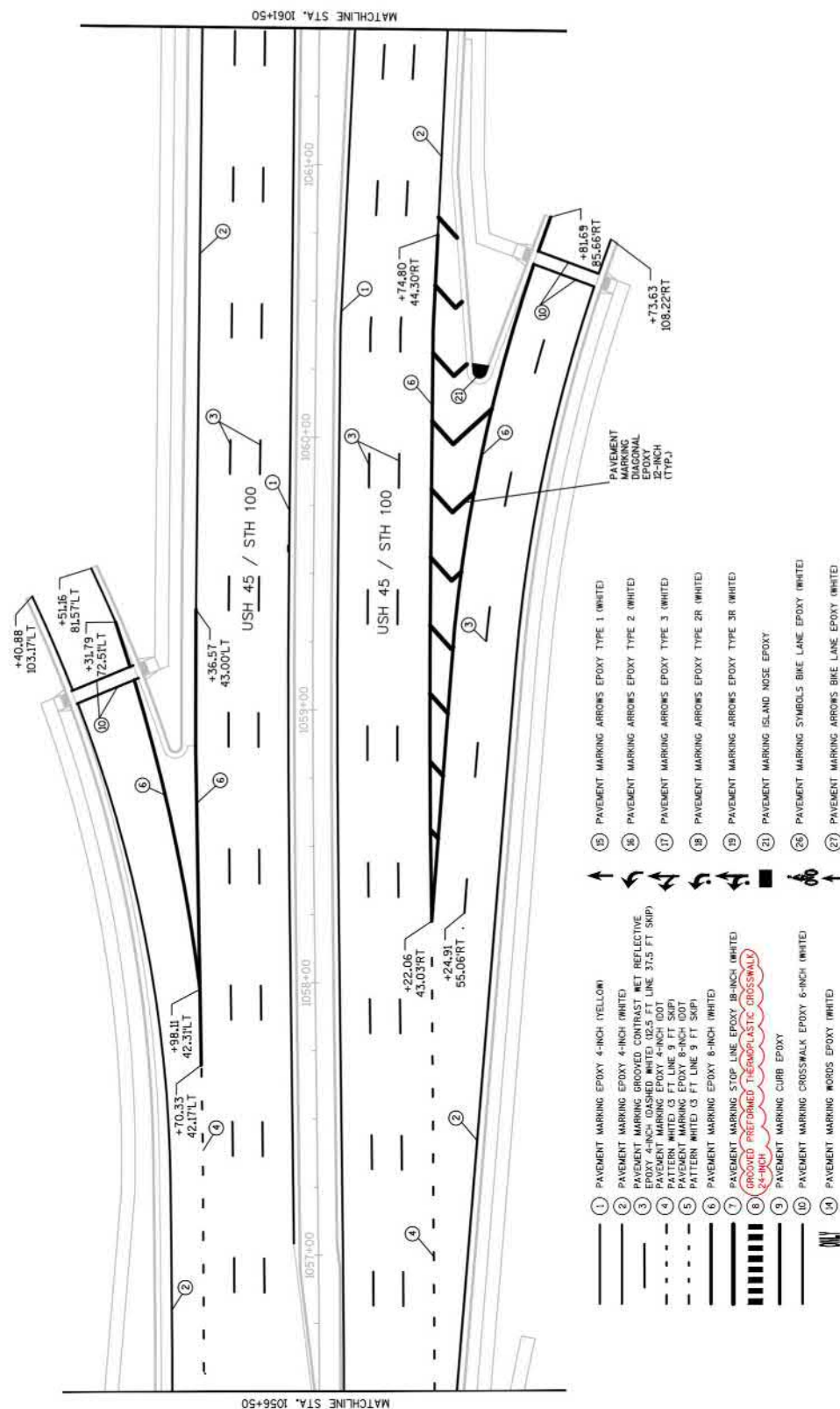
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LAYOUT NAME : XSL\STH 100_024501.PN - STH100.PN2



- | | | | |
|----|---|----|---|
| 1 | PAVEMENT MARKING EPOXY 4-INCH (YELLOW) | 15 | PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE) |
| 2 | PAVEMENT MARKING EPOXY 4-INCH (WHITE) | 16 | PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE) |
| 3 | PAVEMENT MARKING GROOVING CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (02.5 FT LINE 37.5 FT SKEP) | 17 | PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE) |
| 4 | PAVEMENT MARKING EPOXY 4-INCH (DOT PATTERN) (DOT 10 FT LINE 37.5 FT SKEP) | 18 | PAVEMENT MARKING ARROWS EPOXY TYPE 28 (WHITE) |
| 5 | PAVEMENT MARKING EPOXY 8-INCH (DOT PATTERN) (DOT 13 FT LINE 9 FT SKEP) | 19 | PAVEMENT MARKING ARROWS EPOXY TYPE 36 (WHITE) |
| 6 | PAVEMENT MARKING EPOXY 8-INCH (WHITE) | 21 | PAVEMENT MARKING ISLAND NOSE EPOXY |
| 7 | PAVEMENT MARKING STOP LINE EPOXY 8-INCH (WHITE) | 26 | PAVEMENT MARKING SYMBOLS BKE LANE EPOXY (WHITE) |
| 8 | PAVEMENT PRE-PAINTED THERMOPLASTIC CROSSWALK 24-INCH | 27 | PAVEMENT MARKING ARROWS BKE LANE EPOXY (WHITE) |
| 9 | PAVEMENT MARKING CURB EPOXY | | |
| 10 | PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE) | | |
| 14 | PAVEMENT MARKING WORDS EPOXY (WHITE) | | |

KSINGH SHEET 3 OF 7

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 441
September 1, 2017



KSINGH SHEET 4 OF 7

SHEET 441

WISDOT/CADD SHEET 42

PLOT SCALE : 1 IN=40 FT

PLOT NAME :

PLOT BY : MICHAEL GASPER

PLOT DATE : 8/23/2017 3:55 PM

COUNTY: MILWAUKEE

PAVEMENT MARKING

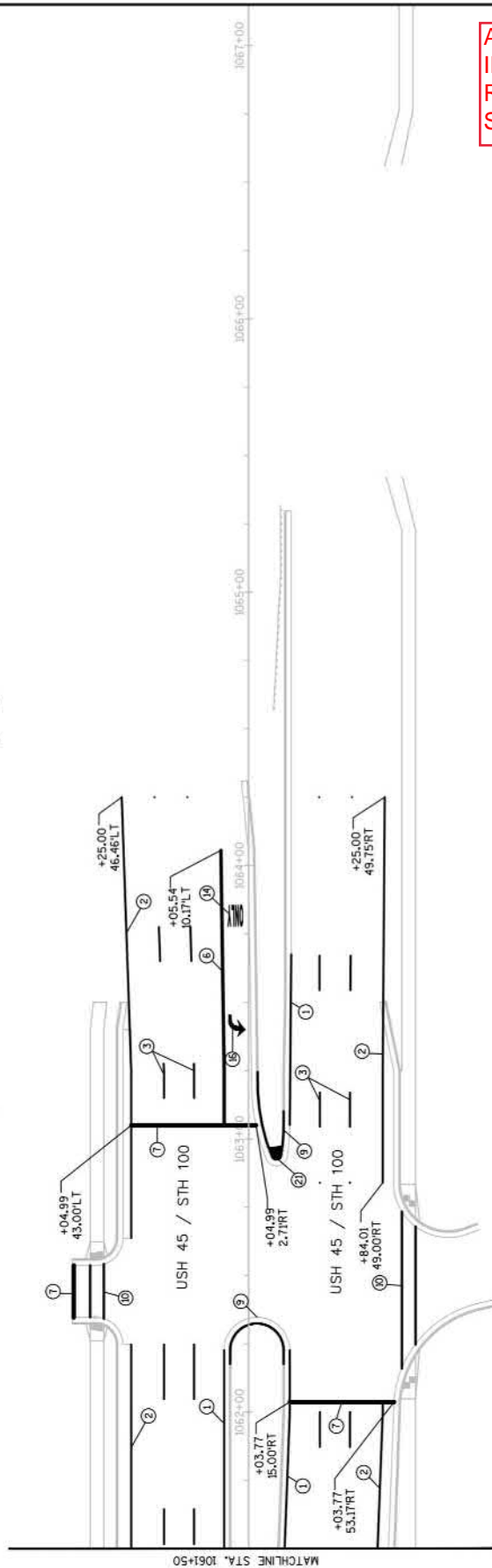
PROJECT NO: 2040-11-70

HWY: USH 45 / STH 100

FILE NAME : P:\NBD\1 USH 45-STH 100 STRADA\TRANSPORTATION\CADD\WISDOT\KSINGH\2040-11-70\2040-11-70.LWG

LAYOUT NAME : XSL\STH 100-024501.PN - STH100.PN

- 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
 2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)
 3 PAVEMENT MARKING GROOVED CONTRAST WET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (20.5 FT LINE 37.5 FT S&P)
 4 PAVEMENT MARKING EPOXY 4-INCH (WHITE) (20.5 FT LINE 37.5 FT S&P)
 5 PAVEMENT MARKING EPOXY 4-INCH (WHITE) (20.5 FT LINE 37.5 FT S&P)
 6 PAVEMENT MARKING EPOXY 4-INCH (WHITE) (20.5 FT LINE 37.5 FT S&P)
 7 PAVEMENT MARKING STOP LINE EPOXY 38-INCH (WHITE)
 8 GROOVED PREFORMED THERMOPLASTIC CROSSWALK (24-INCH)
 9 PAVEMENT MARKING CURB EPOXY
 10 PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)
 11 PAVEMENT MARKING WORDS EPOXY (WHITE)
 12 PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)
 13 PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)
 14 PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)
 15 PAVEMENT MARKING ARROWS EPOXY TYPE 26 (WHITE)
 16 PAVEMENT MARKING ARROWS EPOXY TYPE 38 (WHITE)
 17 PAVEMENT MARKING ISLAND NOSE EPOXY
 18 PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)
 19 PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)



Addendum No. 01
 ID 2040-11-70
 Revised Plan Sheet 442
 September 1, 2017

KSINGH SHEET 5 OF 7

PROJECT NO: 2040-11-70	HWY: USH 45 / STH 100	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 442	E
FILE NAME : P:\NBS01 USH 45-STH 100 STRADA\TRANSPORTATION\NBS01\USH45\PLAN\KSA_STH_100_024501.PW.DWG	LAYOUT NAME : KSA_STH_100_024501.PN - STH100.PW6	DATE : 8/23/2017 3:55 PM	PLOT BY : MICHAEL GASPER	PLOT NAME :	WISDOT/CADD SHEET 42
PLOT SCALE : 1 IN=40 FT					

- 1 PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

2 PAVEMENT MARKING EPOXY 4-INCH (WHITE)

3 PAVEMENT MARKING GROOVED CONTRAST NET REFLECTIVE EPOXY 4-INCH (DASHED WHITE) (2.5 FT LINE 37.5 FT SKIP)

4 PAVEMENT MARKING EPOXY 4-INCH (DOT)

5 PAVEMENT MARKING EPOXY 8-INCH (DOT)

6 PAVEMENT MARKING EPOXY 8-INCH (SKIP)

7 PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

8 ~~GROOVED PREFORMED THERMOPLASTIC CROSSWALK~~

9 PAVEMENT MARKING CURB EPOXY

10 PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (WHITE)

14 PAVEMENT MARKING WORDS EPOXY (WHITE)
- 15 PAVEMENT MARKING ARROWS EPOXY TYPE 1 (WHITE)

16 PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)

17 PAVEMENT MARKING ARROWS EPOXY TYPE 3 (WHITE)

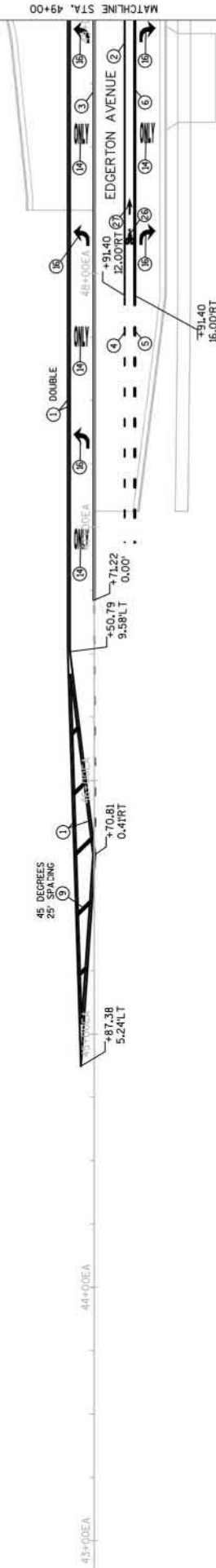
18 PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)

19 PAVEMENT MARKING ARROWS EPOXY TYPE 3R (WHITE)

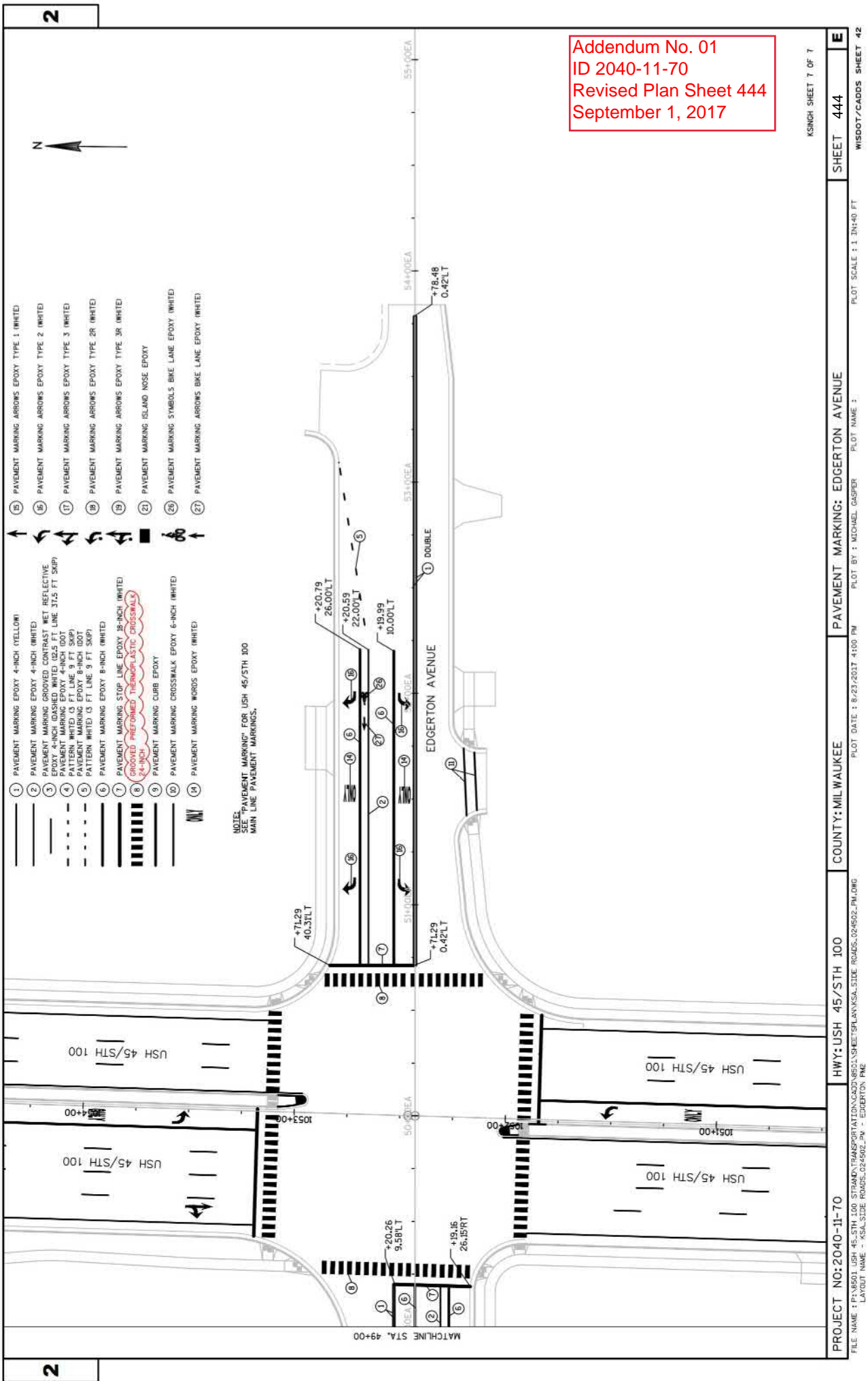
21 PAVEMENT MARKING ISLAND NOSE EPOXY

26 PAVEMENT MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

27 PAVEMENT MARKING ARROWS BIKE LANE EPOXY (WHITE)

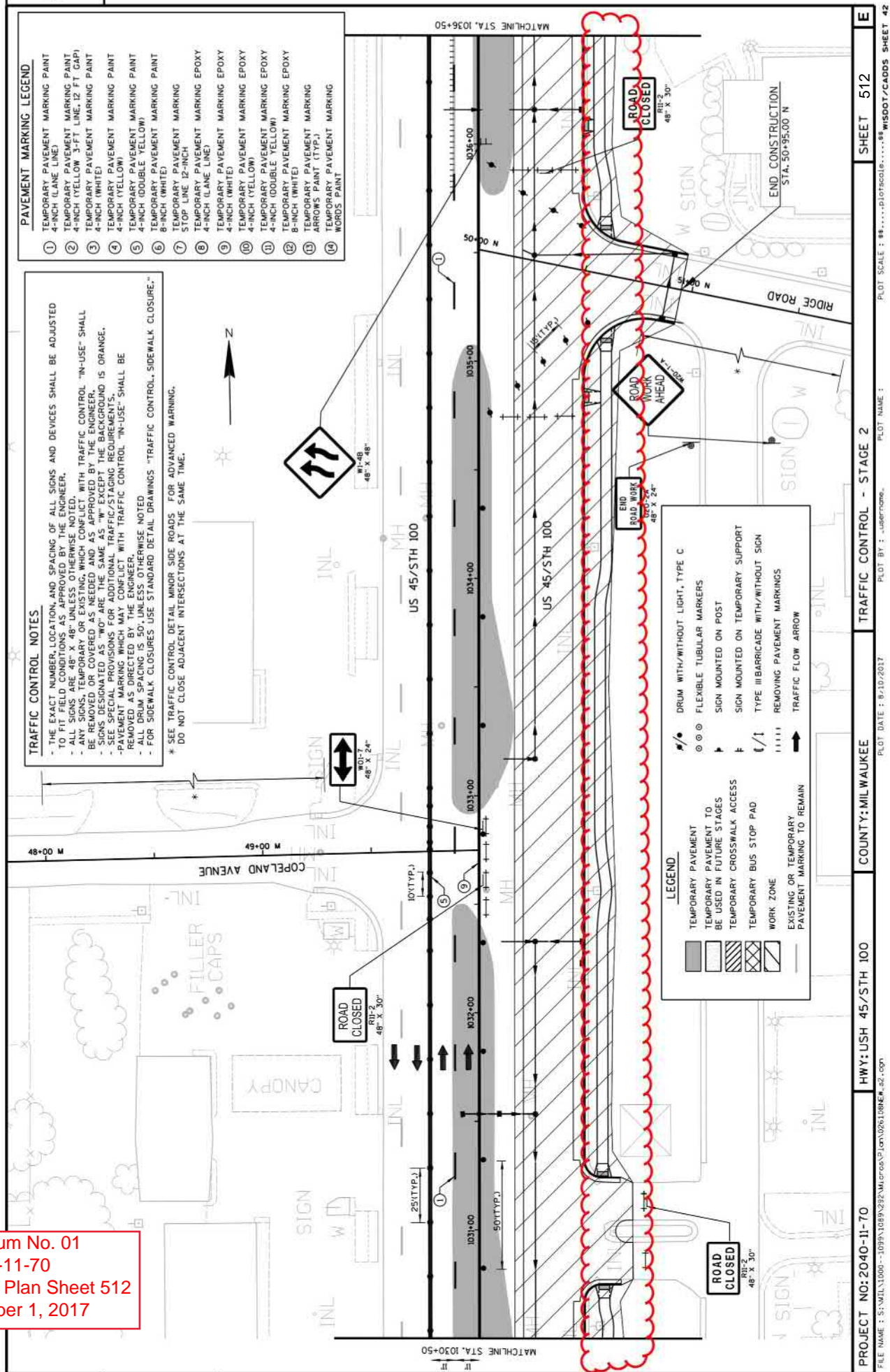


Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 443
September 1, 2017



PLOT SCALE : 88...+.plotscale.....88 WISDOT/CAODS SHEET 42

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 512
September 1, 2017



PROJECT NO: 2040-II-70	HWY: USH 45/STH 100	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 513
FILE NAME : S:\MILWI1000--1079V1019V232\MI1079V1019V232.dgn PLOT DATE : 8/10/2017 PLOT BY : user000000 PLOT SCALE : 844.....plot0scale.....844 WISDOT/CADDs SHEET 42				

TRAFFIC CONTROL NOTES

- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- 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 DESIGNATED AS "MO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.
- ALL DRUM SPACING IS 50' UNLESS OTHERWISE NOTED.
- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL- SIDEWALK CLOSURE."

TRAFFIC CONTROL LEGEND

- | | | |
|--|--|--------------------------------------|
| TEMPORARY PAVEMENT | | DRUM WITH/WITHOUT LIGHT, TYPE C |
| TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES | | FLASHING ARROW BOARD |
| TEMPORARY CROSSWALK ACCESS | | SIGN MOUNTED ON POST |
| TEMPORARY BUS STOP PAD | | SIGN MOUNTED ON TEMPORARY SUPPORT |
| WORK ZONE | | TYPE III BARRICADE WITH/WITHOUT SIGN |
| EXISTING OR TEMPORARY PAVEMENT MARKING TO REMAIN | | REMOVING PAVEMENT MARKINGS |
| | | TRAFFIC FLOW ARROW |
| | | FLEXIBLE TUBULAR MARKER POST |

USE EXISTING MCTS -
BUS STOP SIGN

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 514
September 1, 2017

ORIGINAL PLANS PREPARED BY



5/1/17
(Date)
ONAL
Signature)
THIS STAMP APPLIES TO TRAFFIC
CONTROL STAGE 2A SHEET 1 OF 8

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 2

14

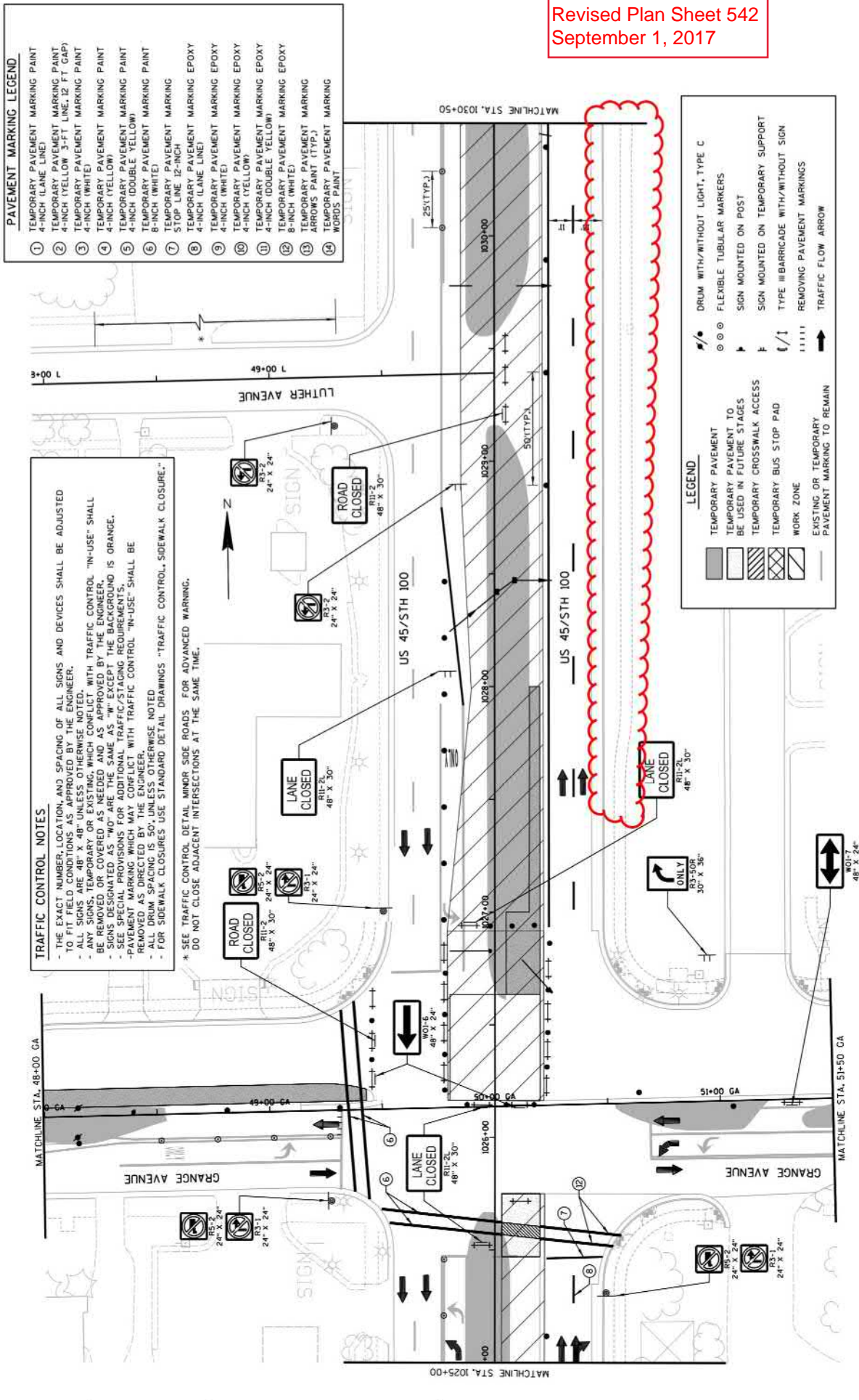
FILE NAME : P:\8501 USH 45.5TH 100 STRAND\TRANSPORTATION\CADD\8501 SHEETS\PLAN\KSA_5TH 100_026201 SZ2A.DWG
LAYOUT NAME : KSA_5TH 100_026201 SZ2A - TC SZ2A-1

PLOT DATE : 8/19/2017 2:00 PM

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 42



o. 01
0
Sheet 545
, 2017



TRAFFIC CONTROL NOTES

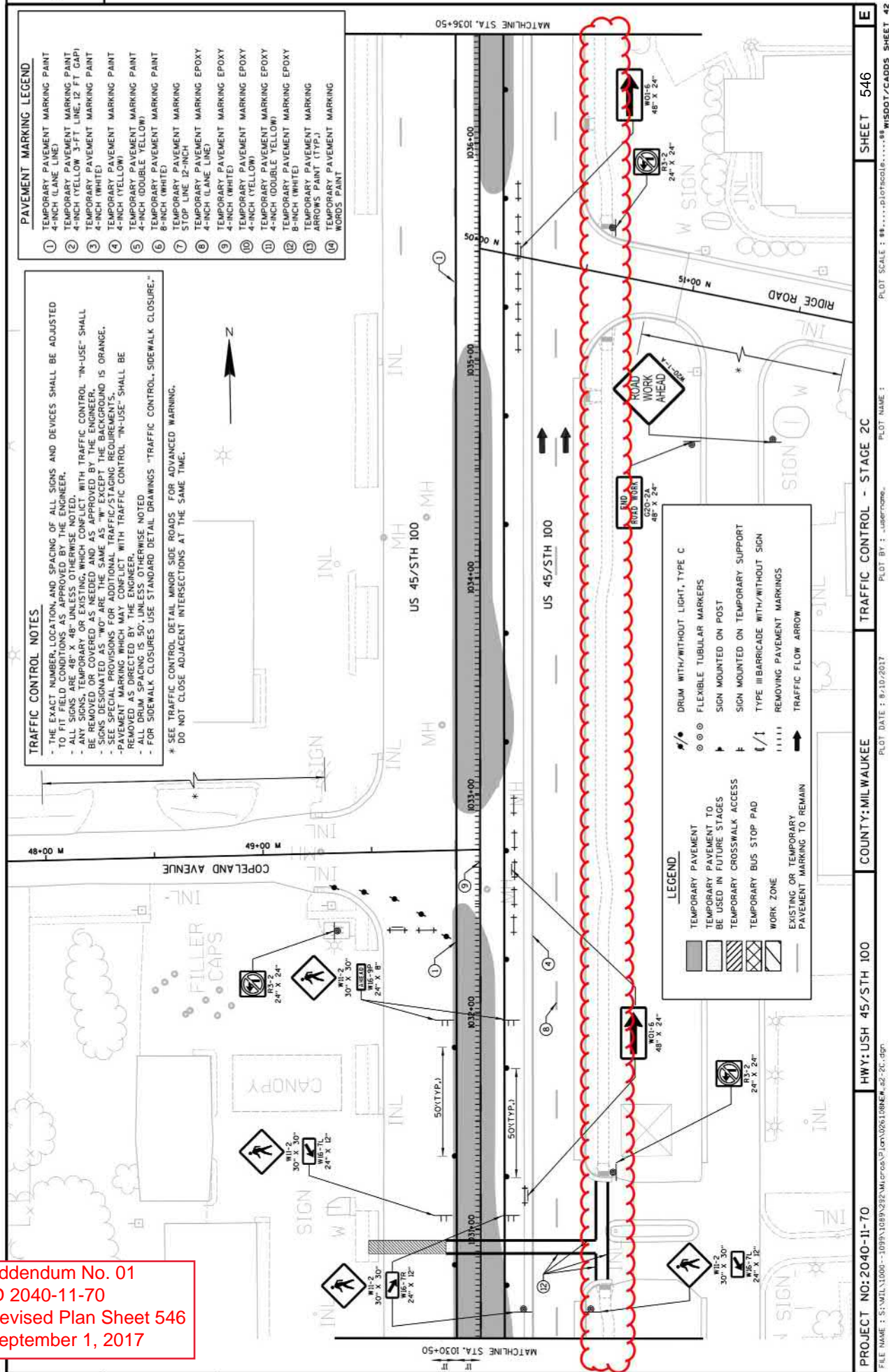
- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS SHALL BE "W" OR "F" UNLESS OTHERWISE NOTED.
- ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.
- SIGNS DESIGNATED AS "W" OR "F" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- ALL DRUM SPACING IS 50' UNLESS OTHERWISE NOTED
- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL SIDEWALK CLOSURE."

* SEE TRAFFIC CONTROL DETAIL MINOR SIDE ROADS FOR ADVANCED WARNING.
DO NOT CLOSE ADJACENT INTERSECTIONS AT THE SAME TIME.

PAVEMENT MARKING LEGEND

- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE)
- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 3-FT LINE, 12 FT GAP)
- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)
- TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)
- TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH
- TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE)
- TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
- TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- TEMPORARY PAVEMENT MARKING ARROWS PAINT (TYPE J)
- TEMPORARY PAVEMENT MARKING WORDS PAINT

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 546
September 1, 2017



PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 2C

SHEET 546

E

FILE NAME : S:\MIL\1000--1095\1095\232\Milwaukee\Plan\0261084EA_s2-2C.dgn

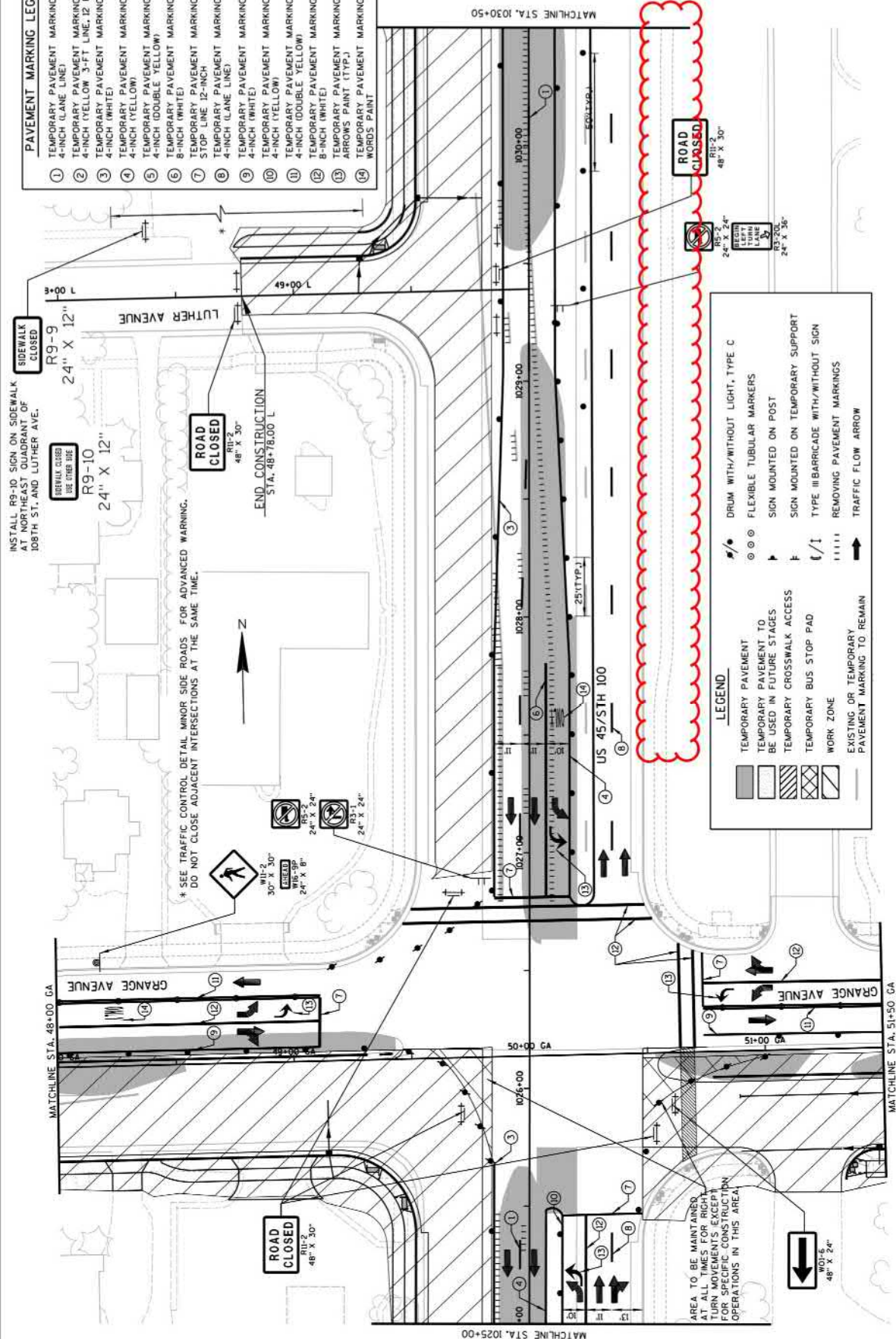
PLOT DATE : 8/10/2017

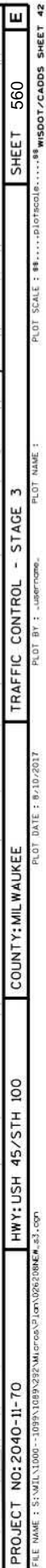
PLOT BY : J. J. J. J.

PLOT NAME :

PLOT SCALE : 88'.....plot scale.....88 WISDOT/CADD SHEET 42

	PAVEMENT MARKING LEGEND
1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE)
2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 3-FT LINE, 12 FT GAU)
3	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
4	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
5	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)
6	TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)
7	TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH
8	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE)
9	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
10	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
11	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
12	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)
13	TEMPORARY PAVEMENT MARKING ARROWS PAINT (TYP.)
14	TEMPORARY PAVEMENT MARKING WORDS PAINT





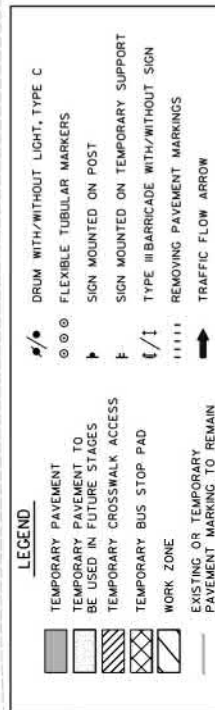
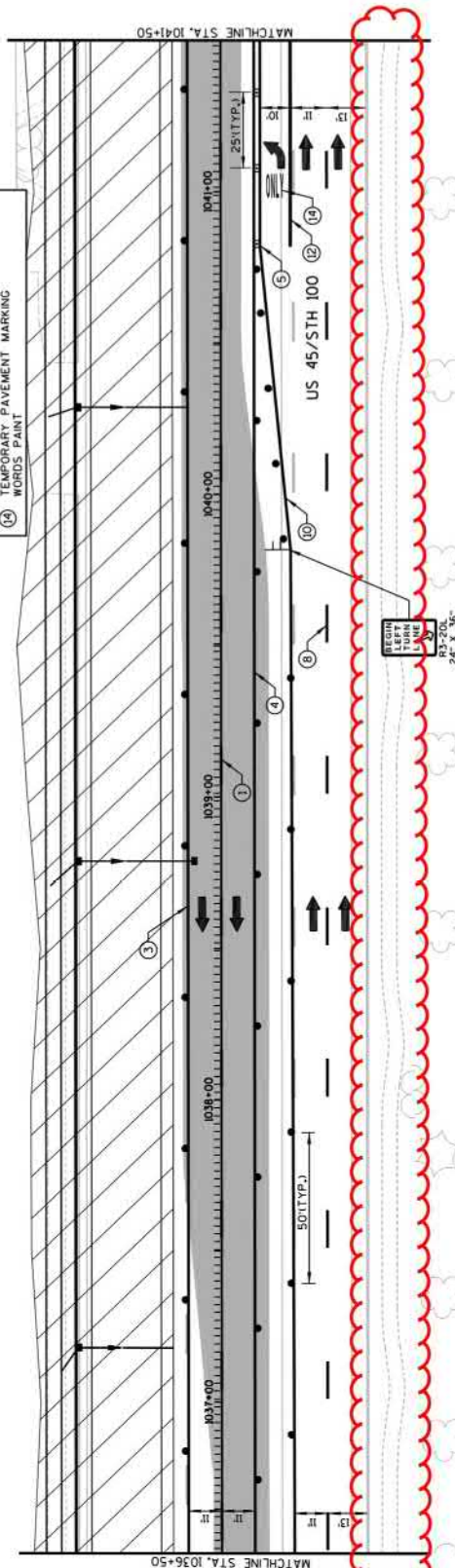
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 560
September 1, 2017

TRAFFIC CONTROL NOTES

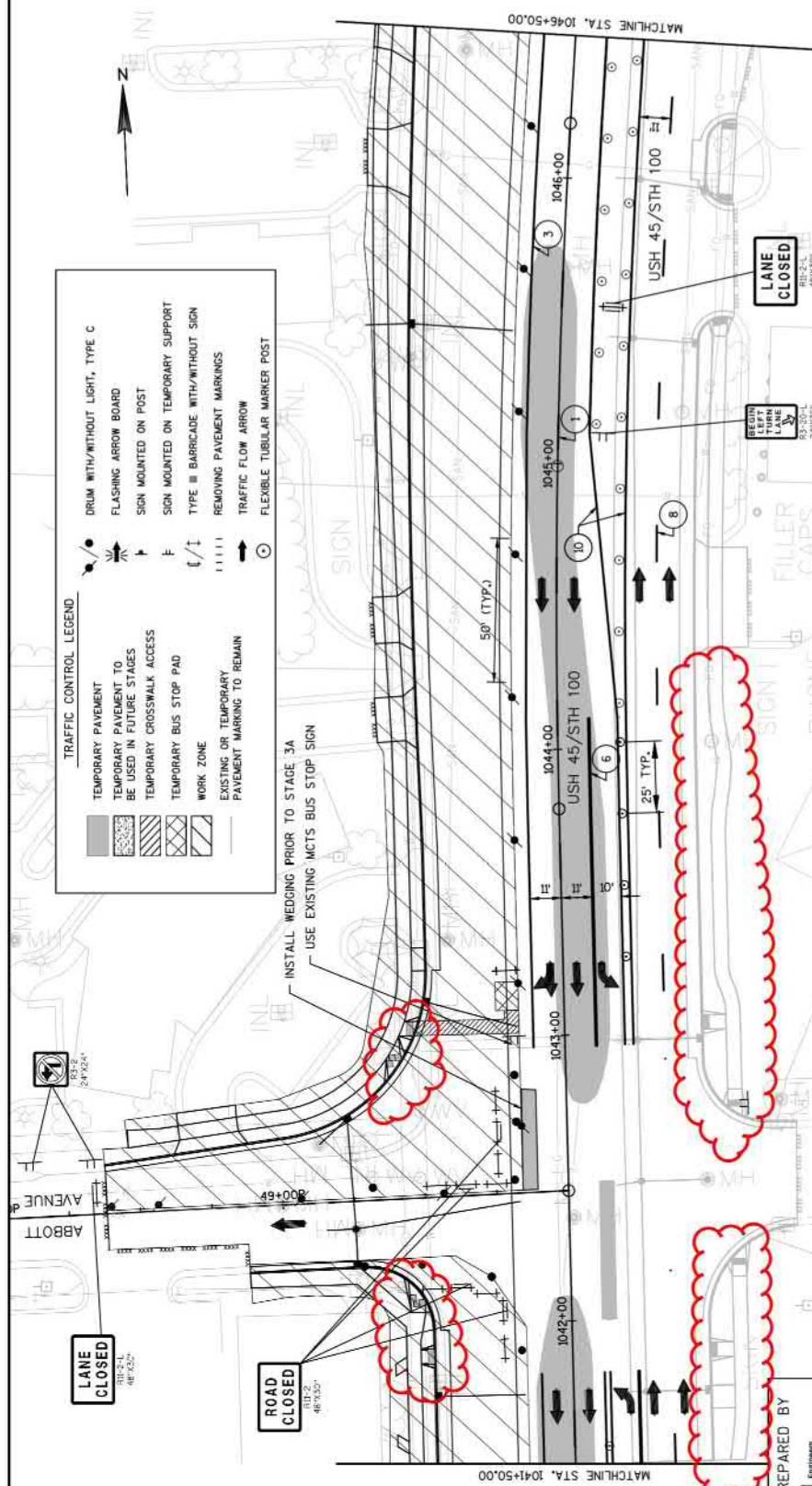
- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR MODIFIED TO BE IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN.
- SIGNS DESIGNATED AS "WP" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- ALL DRUM SPACING IS 50' UNLESS OTHERWISE NOTED
- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL SIDEWALK CLOSURE."

PAVEMENT MARKING LEGEND

- ① TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE)
- ② TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 5-FT LINE, 12 FT GAP)
- ③ TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
- ④ TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- ⑤ TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)
- ⑥ TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)
- ⑦ TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH
- ⑧ TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE)
- ⑨ TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- ⑩ TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- ⑪ TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
- ⑫ TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- ⑬ TEMPORARY PAVEMENT MARKING ARROWS PAINT (TYP.)
- ⑭ TEMPORARY PAVEMENT MARKING WORDS PAINT



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 561
September 1, 2017



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 562
September 1, 2017

TRAFFIC CONTROL LEGEND

- | | |
|--|--------------------------------------|
| TEMPORARY PAVEMENT | DRUM WITH/WITHOUT LIGHT, TYPE C |
| TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES | FLASHING ARROW BOARD |
| TEMPORARY CROSSWALK ACCESS | SIGN MOUNTED ON POST |
| TEMPORARY BUS STOP PAD | SIGN MOUNTED ON TEMPORARY SUPPORT |
| WORK ZONE | TYPE III BARRICADE WITH/WITHOUT SIGN |
| EXISTING OR TEMPORARY PAVEMENT MARKING TO REMAIN | REMOVING PAVEMENT MARKINGS |
| | TRAFFIC FLOW ARROW |
| | FLEXIBLE TUBULAR MARKER POST |

TEMPORARY PAVEMENT MARKING LEGEND

- | | |
|---|--|
| 1 TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE) | 8 TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE) |
| 2 TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 3-FT LINE, 12-FT GAP) | 9 TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) |
| 3 TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) | 10 TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW) |
| 4 TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW) | 11 TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW) |
| 5 TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW) | 12 TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE) |
| 6 TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE) | 13 TEMPORARY PAVEMENT MARKING ARROWS (TYP.) |
| 7 TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH | 14 TEMPORARY PAVEMENT MARKING WORDS PAINT |

TRAFFIC CONTROL NOTES

- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- ALL SIGNS, TEMPORARY OR PERMANENT, SHALL BE CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS SOON AS POSSIBLE.
- SIGNS DESIGNATED AS "NOT" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- ALL DRUM SPACING IS 50' UNLESS OTHERWISE NOTED.
- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE."
- SEE TRAFFIC CONTROL DETAIL MINOR SIDE ROADS FOR ADVANCED WARNING.
- DO NOT CLOSE ADJACENT INTERSECTIONS AT THE SAME TIME.

KSINGH SHEET 1 OF 8

ORIGINAL PLANS PREPARED BY

KSingh
Engineers
Scientists
Consultants
300 North 10th Street
Milwaukee, WI 53222
202.821.1171

WISCONSIN
JEREMY L. HINDS
E-38775
FRANKSVILLE, WI
PROFESSIONAL ENGINEER
5/1/17
Signature

THIS STAMP APPLIES TO TRAFFIC CONTROL STAGE 3A SHEET 1 TO 8 OF 8

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 3

SHEET 562

FILE NAME : P:\N801 USH 45-STH 100 STRADA\TRANSPORTATION\N801\KSINGH\PLAN\KSA_5TH_100_026301_524.DWG
LAYOUT NAME - KSA_5TH_100_026301_524 - TC_53A.1
PLOT DATE : 8/19/2017 1:40 PM
PLOT BY : MOAZ KHAN
PLOT NAME :
PLOT SCALE : 1 IN=40 FT
WISDOT/CADD SHEET 42

TRAFFIC CONTROL NOTES

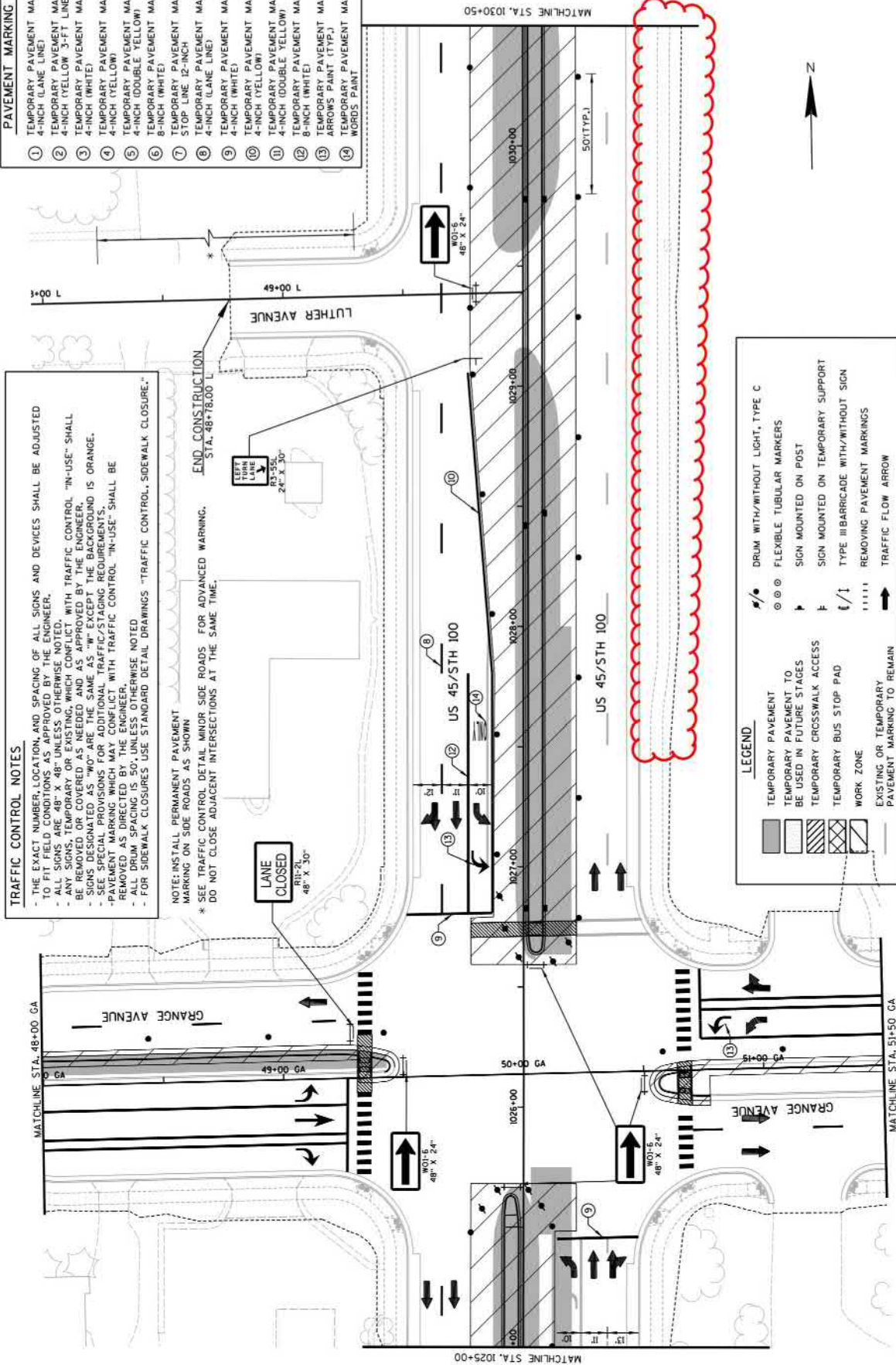
- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL.
- ANY SIGNS ARE TEMPORARY OR PERMANENT, SHALL BE PLACED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL.
- SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED.
- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE."

NOTE: INSTALL PERMANENT PAVEMENT MARKING ON SIDE ROADS AS SHOWN

- * SEE TRAFFIC CONTROL DETAIL MINOR SIDE ROADS FOR ADVANCED WARNING.
- DO NOT CLOSE ADJACENT INTERSECTIONS AT THE SAME TIME.

PAVEMENT MARKING LEGEND	
①	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE)
②	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 3-FT LINE, 12 FT GAP)
③	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
④	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
⑤	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)
⑥	TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)
⑦	TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH
⑧	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE)
⑨	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
⑩	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
⑪	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
⑫	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)
⑬	TEMPORARY PAVEMENT MARKING ARROWS PAINT (TYP.)
⑭	TEMPORARY PAVEMENT MARKING WORDS PAINT

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 602
September 1, 2017



LEGEND	
TEMPORARY PAVEMENT	DRUM WITH/WITHOUT LIGHT, TYPE C
TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES	FLEXIBLE TUBULAR MARKERS
TEMPORARY CROSSWALK ACCESS	SIGN MOUNTED ON POST
TEMPORARY BUS STOP PAD	SIGN MOUNTED ON TEMPORARY SUPPORT
WORK ZONE	TYPE III BARRICADE WITH/WITHOUT SIGN
EXISTING OR TEMPORARY PAVEMENT MARKING TO REMAIN	REMOVING PAVEMENT MARKINGS
	TRAFFIC FLOW ARROW

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 4

SHEET 602

E

FILE NAME : S:\MIL\11000-1099\1099\232\Milwaukee\plan\006-507HEA.s4r

PLOT DATE : 8/10/2017

PLOT BY : .user.name

PLOT NAME :

PLOT SCALE : 88'.....plot scale.....88 WISDOT/CADD SHEET 42

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 603
September 1, 2017

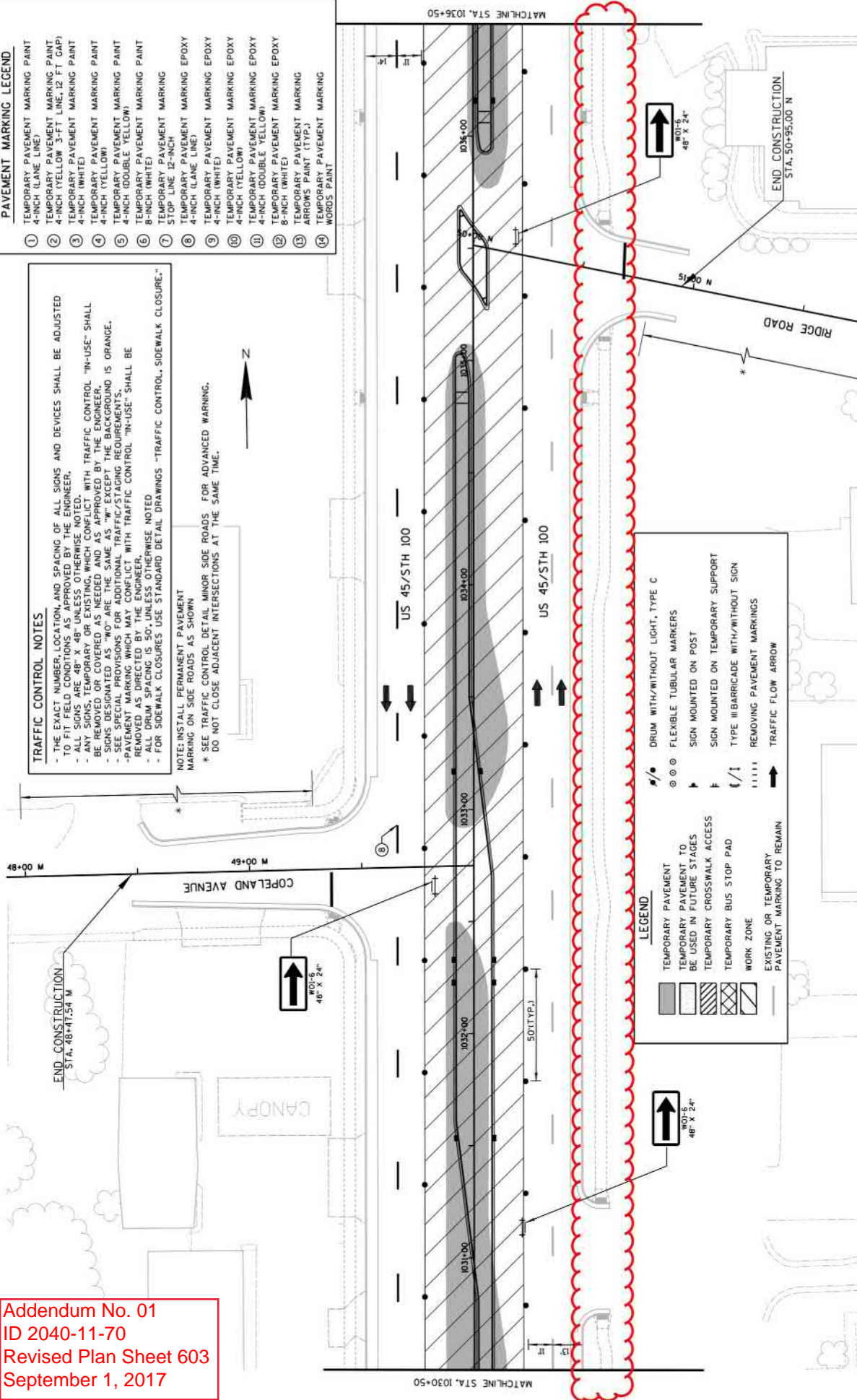
	PAVEMENT MARKING LEGEND
1	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE)
2	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 3-FT. LINE, 12 FT. CENTER LINE)
3	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
4	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
5	TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW)
6	TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)
7	TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH
8	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE)
9	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
10	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
11	TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
12	TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)
13	TEMPORARY PAVEMENT MARKING ARROWS PAINT (TYP.)
14	TEMPORARY PAVEMENT MARKING WORDS PAINT

TRAFFIC CONTROL NOTES

- THE FACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- ALL SIGNS SHALL BE CONFORMANT WITH THE NATIONAL MUTUAL CONVENTION ON TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS REQUIRED AND IS APPROVED BY THE ENGINEER.
- SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- ALL SIGNS SHALL BE CONFORMANT WITH THE NATIONAL MUTUAL CONVENTION ON TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE MAINTENANCE ENGINEER.
- ALL DRUM SPACING IS 50' UNLESS OTHERWISE NOTED

NOTE: INSTALL PERMANENT PAVEMENT MARKING ON SIDE ROADS AS SHOWN

* SEE TRAFFIC CONTROL DETAIL MINOR SIDE ROADS FOR ADVANCED WARNING.
DO NOT CLOSE ADJACENT INTERSECTIONS AT THE SAME TIME.



PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 4

SHEET 603

FILE NAME : S:\WIL\1000--1099\1089\292\Micros\p1an\026308NEW.s4.cgn

PLOT DATE : 8/10/2017

PLOT BY : "username" PLOT NAME :

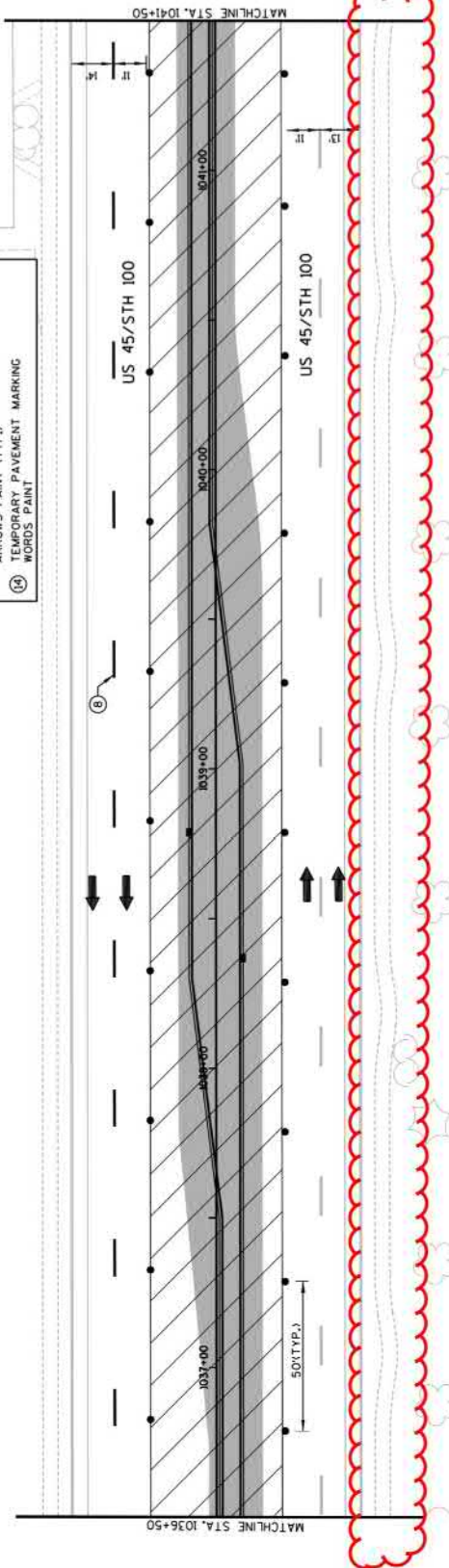
PLOT SCALE : 88.....plotscale.....88 WISDOT/CADDs SHEET 42

TRAFFIC CONTROL NOTES

- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- 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 DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- REMOVED SIGNS SHALL BE REMOVED WITHIN 10 DAYS OF THE DATE WHEN THE CLOSURE IS REMOVED AS DIRECTED BY THE ENGINEER.
- ALL DRUM SPACING IS 50', UNLESS OTHERWISE NOTED
- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE."

PAVEMENT MARKING LEGEND

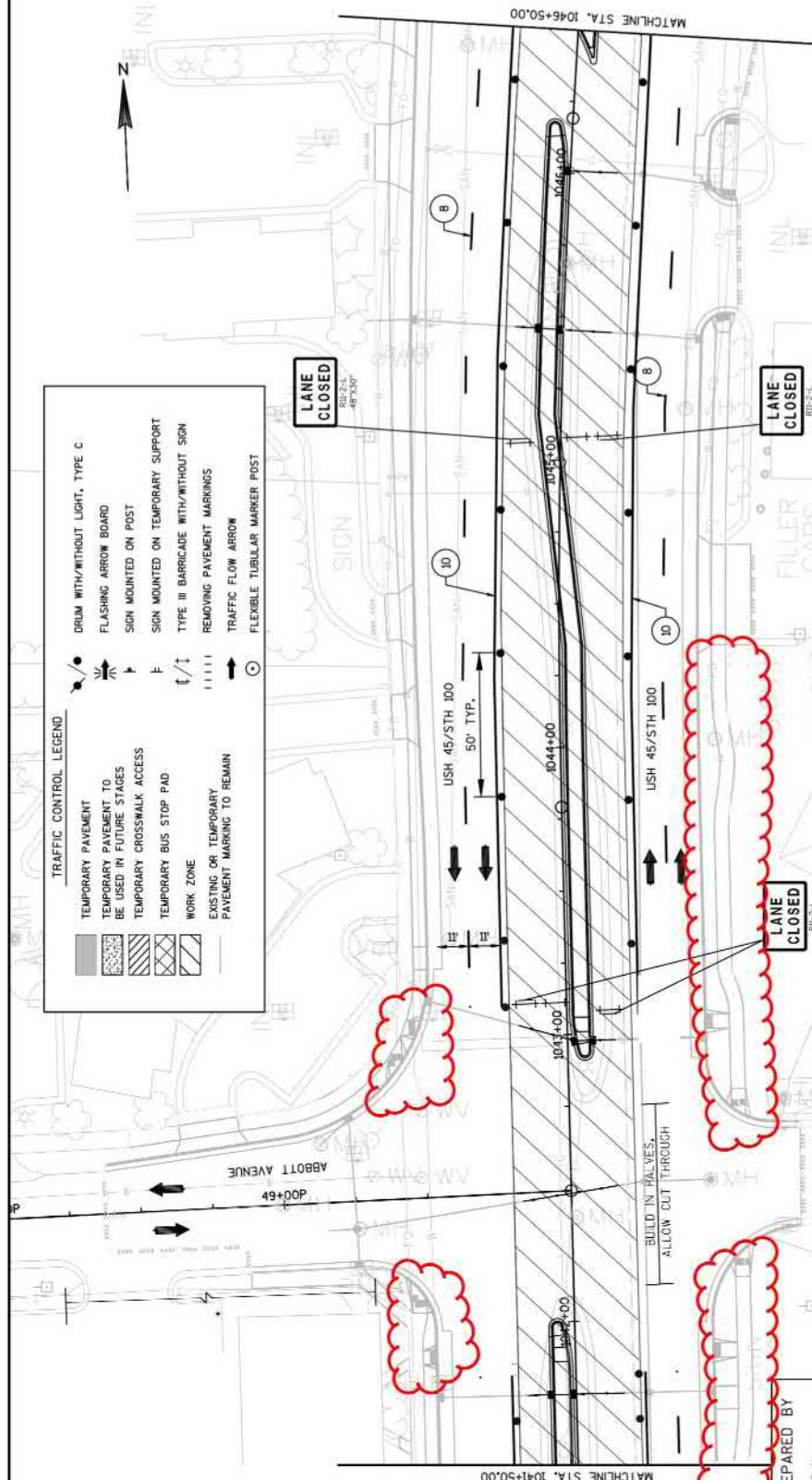
- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE)
- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 3-FT LINE, 12 FT GAP)
- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE)
- TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW)
- TEMPORARY PAVEMENT MARKING PAINT 1-INCH (DOUBLE YELLOW)
- TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE)
- TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH
- TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE)
- TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE)
- TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW)
- TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW)
- TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE)
- TEMPORARY PAVEMENT MARKING ARROWS PAINT (TYP.)
- TEMPORARY PAVEMENT MARKING WORDS PAINT



LEGEND	
	TEMPORARY PAVEMENT
	TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
	TEMPORARY CROSSWALK ACCESS
	TEMPORARY BUS STOP PAD
	WORK ZONE
	EXISTING OR TEMPORARY PAVEMENT MARKING TO REMAIN
	DRUM WITH/WITHOUT LIGHT, TYPE C
	FLEXIBLE TUBULAR MARKERS
	SIGN MOUNTED ON POST
	SIGN MOUNTED ON TEMPORARY SUPPORT
	TYPE III BARRICADE WITH/WITHOUT SIGN
	REMOVING PAVEMENT MARKINGS
	TRAFFIC FLOW ARROW

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 604
September 1, 2017

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 605
September 1, 2017



TEMPORARY PAVEMENT MARKING LEGEND

- | | | | |
|---|---|----|---|
| 1 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE) | 8 | TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE) |
| 2 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 3-FT LINE, 12-FT GAP) | 9 | TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) |
| 3 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) | 10 | TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW) |
| 4 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW) | 11 | TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW) |
| 5 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW) | 12 | TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE) |
| 6 | TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE) | 13 | TEMPORARY PAVEMENT MARKING ARROWS (TYP.) |
| 7 | TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH | 14 | TEMPORARY PAVEMENT MARKING WORDS PAINT |

TRAFFIC CONTROL NOTES

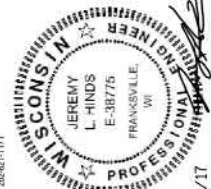
- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR MODIFIED AS REQUIRED BY THE ENGINEER.
- SIGNS DESIGNATED AS "W" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS.
- PAVEMENT MARKING WHICH MAY CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- ALL DRUM SPACING IS 50' UNLESS OTHERWISE NOTED.
- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE."

* SEE TRAFFIC CONTROL DETAIL MINOR SIDE ROADS FOR ADVANCED WARNING, DO NOT CLOSE ADJACENT INTERSECTIONS AT THE SAME TIME.

KSINGH SHEET 1 OF 8

ORIGINAL PLANS PREPARED BY

Ksingh
Engineers
Scientists
Consultants
300 North 10th Street
Milwaukee, WI 53227
202.817.1171



5/1/17

(Date)

THIS STAMP APPLIES TO TRAFFIC CONTROL STAGE 4A SHEET 1 TO 8 OF 8

PROJECT NO: 2040-11-70

HWY: USH 45/STH 100

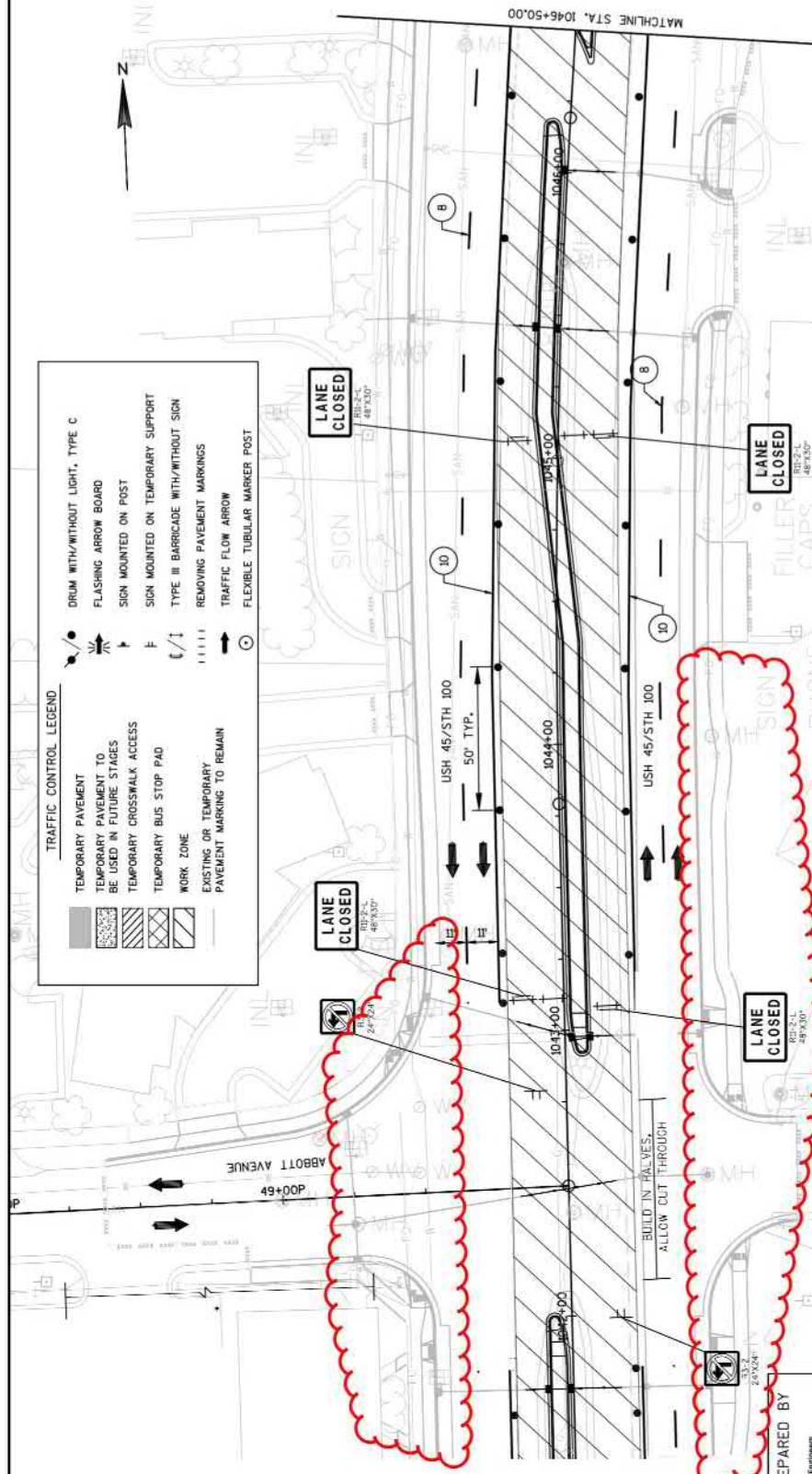
COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 4

SHEET 605

FILE NAME : P:\NBD1 USH 45-STH 100 STRADDLE TRANSPORTATION\NBD1\KSHEE\PLAN\KSA.5TH 100-026-001-S44.DWG
LAYOUT NAME - KSA.5TH 100-026-001-S44 - TC-S4.1
PLOT BY : MOAZ KHAN
PLOT DATE : 8/19/2017 1:48 PM
PLOT NAME :
PLOT SCALE : 1:1 IN=40 FT
WISDOT/CADD SHEET 42

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 619
September 1, 2017



TEMPORARY PAVEMENT MARKING LEGEND

- | | | | |
|---|---|----|---|
| 1 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (LANE LINE) | 8 | TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (LANE LINE) |
| 2 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW 3-FT LINE, 12-FT GAP) | 9 | TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (WHITE) |
| 3 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (WHITE) | 10 | TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (YELLOW) |
| 4 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (YELLOW) | 11 | TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW) |
| 5 | TEMPORARY PAVEMENT MARKING PAINT 4-INCH (DOUBLE YELLOW) | 12 | TEMPORARY PAVEMENT MARKING EPOXY 8-INCH (WHITE) |
| 6 | TEMPORARY PAVEMENT MARKING PAINT 8-INCH (WHITE) | 13 | TEMPORARY PAVEMENT MARKING ARROWS (TYP.) |
| 7 | TEMPORARY PAVEMENT MARKING STOP LINE 12-INCH | 14 | TEMPORARY PAVEMENT MARKING WORDS PAINT |

TRAFFIC CONTROL NOTES

- THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
- 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 DESIGNATED AS "WD" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
- EXISTING PAVEMENT MARKINGS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
- ALL DRUM SPACING IS 50' UNLESS OTHERWISE NOTED.
- FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SIDEWALK CLOSURE."

* SEE TRAFFIC CONTROL DETAIL MINOR SIDE ROADS FOR ADVANCED WARNING.
DO NOT CLOSE ADJACENT INTERSECTIONS AT THE SAME TIME.

KSINGH SHEET 1 OF 8

ORIGINAL PLANS PREPARED BY

KSingh
300 North 10th Street
Milwaukee, WI 53227
202.821.1171

WISCONSIN
JEREMY L. HINDS
E-38775
FRANKSVILLE, WI
PROFESSIONAL ENGINEER

5/1/17
Signature
THIS STAMP APPLIES TO TRAFFIC CONTROL STAGE 4B SHEET 1 TO 8 OF 8

PROJECT NO: 2040-11-70

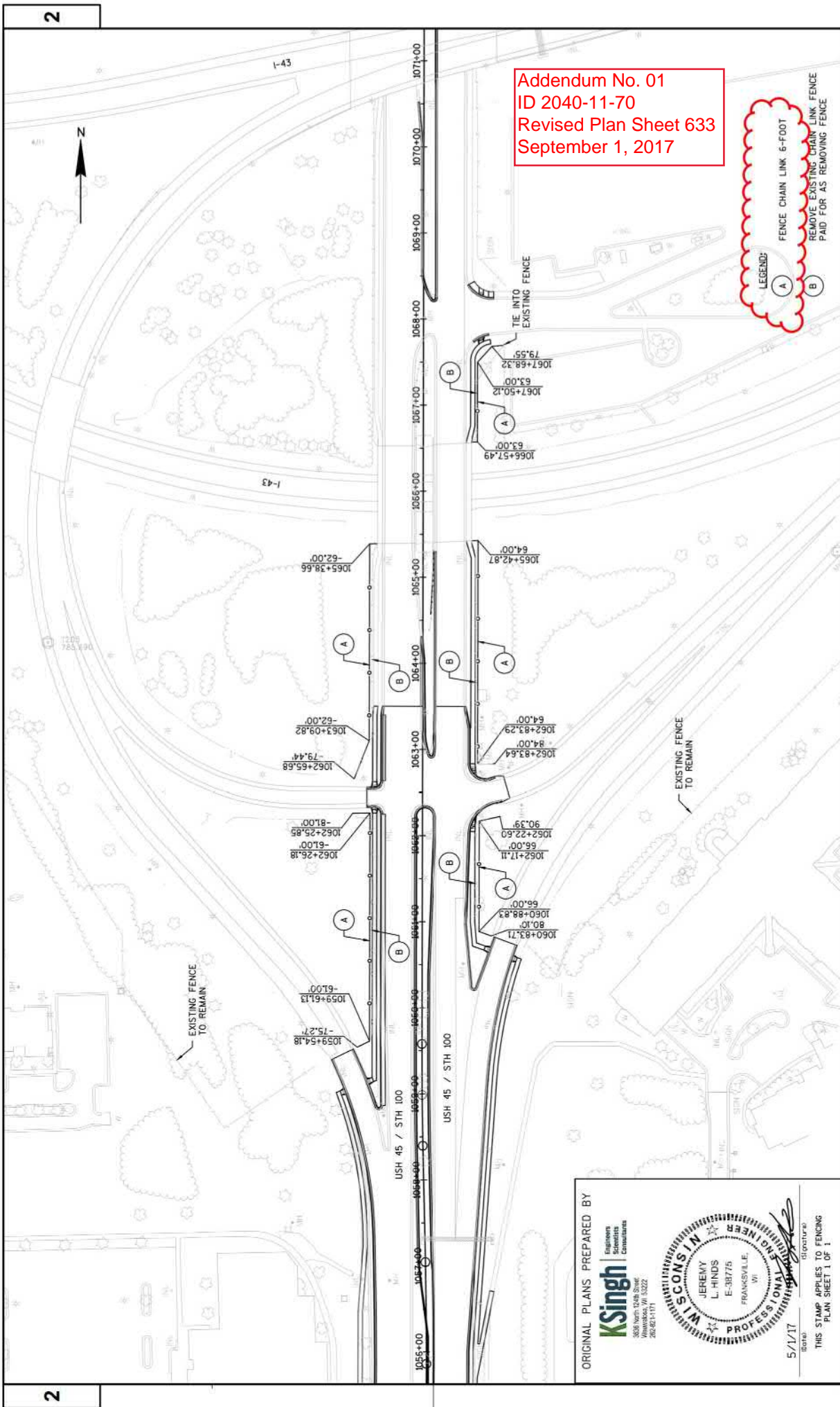
HWY: USH 45/STH 100

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 4A

SHEET 619

FILE NAME : P:\NBD1 USH 45-STH 100 STRAIGHT TRANSPORTATION\NBD1\KSHEET\PLAN\KSA_5TH_100_026-003_54B.DWG
LAYOUT NAME - KSA_5TH_100_026-003_54B - TC_54_1
PLOT DATE : 8/19/2017 1:51 PM
PLOT BY : MOAZ KHAN
PLOT NAME :
PLOT SCALE : 1:1 IN=40 FT
WISDOT/CADD SHEET 42



ORIGINAL PLANS PREPARED BY

Ksingh
Engineers
Scientists
Consultants

3800 North 124th Street
Suite 100
Franklin, WI 53122
262.681.1171



5/1/17
Date

THIS STAMP APPLIES TO FENCING
PLAN SHEET 1 OF 1

PROJECT NO: 2040-11-70

FILE NAME : F:\N801 USH 45-STH 100 STRAND\TRANSPORTATION\N801\N801\PLAN\01.FIN.DWG

VP - 100-ALL-CL - (3) - 03

HWY: USH 45 / STH 100

COUNTY: MILWAUKEE

FENCING PLAN

PLOT NAME :

PLOT BY : MOAZ KHAN

PLOT DATE : 8/19/2017 11:14 PM

PLOT SCALE : 1:1100.XREF

SHEET 633

E

WISDOT/CADD SHEET 42

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 667
September 1, 2017

INCENTIVE PRIZE		
CATEGORY	PROJECT	
00X0	2040-B-70	440,440 DOL
TOTAL		30,000

CONCRETE DRIVEWAY HES 6-INCH			
CATEGORY	ST	LOCATION	STAGE 3
0010	170+82	FA	23
	171+46	FA	29
TOTAL			52

CATEGORY	STATION	LOCATION	STAGE 2 SY	STAGE 3 SY	45.0060
CONCRETE DRIVEWAY 6-INCH					

CATEGORY	STATION-STATION	460,200 DOL
0010	967+27 - 1063+50	35,500
	TOTAL	35,500

STATION - STATION	LOCATION
173+50 FA - 174+75 FA	FOREST HOME AVENUE
TOTAL	

	984+II	LT	87
984+I5	RT	30	---
985+62	LT	---	133
986+29	LT	---	128
983+46	LT	---	59
5+15 CA	RT	19	0
52+31 CA	LT	---	48
392+03	RT	31	---
161+27 FA	LT	52	---
131+26 FA	RT	37	---
131+26 FA	RT	37	34

460.6424						455.0
HMA PAVEMENT #1 58-28 H						TACK
STAGE 1	STAGE 2	STAGE 3	STAGE 4			
TON	TON	TON	TON	TON	TON	TON
25	25	27	27	5	5	64
285	285	255	195			

HMA PAVEMENT		STAGE 2		STAGE 1	
STATION	LOCATION	TON	TON	TON	TON
667+25 - 968+75	LT & RT	55			
979+25 - 973+21.55	LT & RT				
					635

50+45 03	RT	17	38
84+28 JR	LT	17	38
59+26 JR	LT	41	38
305+17	LT	38	12
43+94 G	LT	38	19
44+94 G	RT	38	26
305+09	LT	38	52
302+64	LT	38	34
302+64	LT	38	34
41+58 GA	LT	12	0
41+58 GA	RT	12	0

[illegible]

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847	L	8	RT
848	L	8	RT
849	L	8	RT
850	L	8	RT
851	L	8	RT
852	L	8	RT
853	L	8	RT
854	L	8	RT
855	L	8	RT
856	L	8	RT
857	L	8	RT
858	L	8	RT
859	L	8	RT
860	L	8	RT
861	L	8	RT
862	L	8	RT
863	L	8	RT
864	L	8	RT
865	L	8	RT
866	L	8	RT
867	L	8	RT
868	L	8	RT
869	L	8	RT
870	L	8	RT
871	L	8	RT
872	L	8	RT
873	L	8	RT
874	L	8	RT
875	L	8	RT
876	L	8	RT
877	L	8	RT
878	L	8	RT
879	L	8	RT
880	L	8	RT
881	L	8	RT
882	L	8	RT
883	L	8	RT
884	L	8	RT
885	L	8	RT
886	L	8	RT
887	L	8	RT
888	L	8	RT
889	L	8	RT
890	L	8	RT
891	L	8	RT
892	L	8	RT
893	L	8	RT
894	L	8	RT
895	L	8	RT
896	L	8	RT
897	L	8	RT
898	L	8	RT

	LT	30	0
48+54 GA	RT	---	30
48+51 GA	RT	---	---
52+56 GA	RT	30	---
48+36 LT	RT	---	14
120+14	LT	---	19
120+14	LT	---	38
125+36	LT	---	55
48+85 M	RT	---	---
49+20 M	LT	---	7
124+21	LT	---	38
125+59	LT	---	14

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible]

1044+46	LT	19
1044+55	RT	73
1046+05	LT	32
1046+51	LT	56
1048+65	LT	27
1049+23	LT	26
1049+77	LT	27
1050+08	RT	38
1050+42	LT	37
48+18 EA	RT	77

11	25	16	16
205	155	16	16
235	130	16	16
5,792	5,253	16	16
14,910	14,910	16	16

	L	R
B - TOTALS	412	13,013
TOTALS	33,386	33,386

Sub = Total	107	2,039
TOTAL		2,746

PLOT SCALE : $88 \dots \text{plot scale} \dots 88$

DUKE	MISCELLANEOUS	PLOT BY : Juse
		PLOT DATE : 8/22/2017

1-70	HWY: USH45/STH 100
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FENCE CHAIN LINK 6-FT

CATEGORY	STAGE	STATION	LOCATION	518.920.5 ECHR	REMARKS
		108+84.7	5.4° RT	1	NL 104.1
		107+74.1	2.83 RT	1	NL 104.2
		109+55.3	6.5° LT	1	NL 104.3
		108+80.8	6.5° LT	1	NL 108.2
		107+80.9	3.8° LT	1	NL 108.3
		108+80.9	3.8° LT	1	NL 108.3
		102+71.5	1.9° LT	1	NL 120.1
		102+71.5	8.5° LT	1	NL 120.2
		102+47.4	8.5° RT	1	NL 134.1
		102+42.0	3.5° RT	1	NL 134.2
		103+53.8	6.5° RT	1	NL 139.1

1042+98	1.8' RI
1046+01	0.6' LT

1046+61	8.1 LT	1	IN 168.6
1049+02	0.7 LT	1	IN 170.2
1049+02	9.6 LT	1	IN 170.3
1051-78	0.6 LT	1	IN 172.3
1051-78	9.4 LT	1	IN 172.4
1053+34	9.4 RT	1	IN 176.4
1053+26	9.4 RT	1	IN 176.5
1053+24	0.6 RT	1	IN 176.6
1053+15	0.2 RT	1	IN 176.7

SUBTOTAL STAGE 3	3
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TOTAL	304
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DRAIN-TIME EVALUATION

CATEGORY	STATION-STATION	610.0700
	LT	
0000	967+27-003+50	100
	TOTAL	100

615.5000

MOBILIZATION

SHEET 687

TRACKING PADS

CATEGORY	STATION	62B.7560 EACH
0010	968+25 - 1063+50	8
TOTAL		8

PROJECT NO: 2040-11-70	HWY: USH45/STH 100	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET 689	E
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FILE NAME : S:\XIL\1000---2094\0849\934\Mitroad\7 Jan 03\0276.mtg.dgn

PLOT DATE : 8/22/2017

PLOT BY : jusername

PLOT NAME : WSDOT/CADDIS SHEET 43

PLOT SCALE : 88.....plotscale.....88

REVISÉ 8/01/2017

SHEET: 706	E
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PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

mq.ppbx

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous\Quantities\2040-11-73\130552_mq.pptx

[illegible]

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 707
September 1, 2017

REVISED 8/01/2017

SHEET 18 OF 18

SHEET: 707

PERMANENT SIGNING QUANTITIES

COUNTY: MILWAUKEE

HWY: USH 45/STH 100

PROJECT NO: 2040-11-70

PLOT NAME: 035502.mxd

PLOT BY: DOT/MLM

PLOT DATE: 11 August 2017

FILE NAME: N:\GPOD\Operations\Signage\Assemblies\2040-11-70\35502_1.mxd

TYPE I & I PERMANENT SIGNING										CATEGORY 0010										2040-11-70 USH 45									
SIGN NO.	SIGN CODE & SIZE	SIGN TYPE	SIGN MESSAGE	TYPE II SIGN SIZE		TYPE II REFLECT H		TYPE II REFLECT F		REMOVING SMALL SIGN SUPPORTS	POSTS WOOD 4"x6"x10'	POSTS WOOD 4"x6"x12'	POSTS TUBULAR STEEL 2"x2"x14'	MOVE SIGN TYPE II	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE		SIGN TYPE I REFLECT H		SIGN TYPE I REFLECT F								
				W	H	IN	FT	IN	FT	(EA)	(EA)	(EA)	(EA)	(EA)				W	H	IN	FT								
693	WS-52L(24)	II		12	36			3,000		--					--		4 FT MOUNTING HEIGHT	--	--										
694	WS-52R(24)	II		12	36			3,000		--					--		4 FT MOUNTING HEIGHT	--	--										
695	WS-52L(24)	II		12	36			3,000		--					--		4 FT MOUNTING HEIGHT	--	--										
696	WS-52R(24)	II		12	36			3,000		--					--		4 FT MOUNTING HEIGHT	--	--										
697	D4-55R(23)	II		36	36			9,000		--					--		4 FT MOUNTING HEIGHT	--	--										
698	D4-55R(24)	II		30	36			7,500		--					--			--	--										
699		II	NO PARKING STOPPING OR...	--	--			--		1				1			MOVE EXISTING SIGN - DO NOT REPLACE	--	--										
700	WS-52L(24)	II		30	36			7,500		--					--		MOUNT ON SIGNAL POLE	--	--										
701	WS-4(3)	II		48	48			16,000		--					--		MOUNT ON BEACON POLE	--	--										
702	WS-4(3)	II		48	48			16,000		--					--		MOUNT ON BEACON POLE	--	--										
703	R4-7(23)	II		24	30			5,000		--					--			--	--										
704	R4-7(23)	II		24	30			5,000		--					--			--	--										
705	R3-1(23)	II		24	24			4,000		--					--			--	--										
706		II	EXCEPT BUSES AND CARPOOL	24	30			5,000		--					--			--	--										
707	R1-1F(24)	II		36	36			--		--					--		MOUNT ON SIGNAL POLE	--	--										
708	R3-1B(23)	II		24	24			4,000		--					--			--	--										
709	R1-1F(24)	II		36	36			--		--					--		708	--	--										
710	NOT USED	II		--	--			--		--					--			--	--										
711	W3-3(23)	II		36	36			9,000		--					--			--	--										
712	W3-3(23)	II		36	36			9,000		--					--			--	--										
713		II	NO PARKING STOPPING OR...	--	--			--		1				1			MOVE EXISTING SIGN - DO NOT REPLACE	--	--										
714	R4-7(23)	II		24	30			5,000		--					--			--	--										
715	R4-7(23)	II		24	30			5,000		--					--			--	--										
716	W11-1(23)	II		30	30			6,250		--					--			--	--										
717	W18-1P(23)	II		18	24			3,000		--					--			--	--										
718	D4-55L(23)	II		36	36			9,000		--					--		716	--	--										
719	R2-1(23)	II	35 MPH	24	30			5,000		--					--		MOUNT ON LIGHT POLE	--	--										
720	R2-1(23)	II	35 MPH	24	30			5,000		--					--		MOUNT ON LIGHT POLE	--	--										
721	R2-1(23)	II	35 MPH	24	30			5,000		--					--			--	--										
722	R2-1(23)	II	35 MPH	24	30			5,000		--					--			--	--										
723	D4-55L(24)	II		30	36			7,500		--					--			--	--										
724	WS-3(23)	II		36	36			9,000		--					--			--	--										
725	WS-3(23)	II		36	36			9,000		--					--			--	--										
726	W11-1(23)	II		30	30			6,250		--					--			--	--										
726A	W16-7L(25)	II		24	12			3,000		--					--		726	--	--										
727	W11-1(23)	II		30	30			6,250		--					--		SHEET 29	--	--										
727A	W16-7R(25)	II		24	12			3,000		--					--		SHEET 29	--	--										
TOTALS								3753.345		18	255	8	133	25							189,000								

* ADDITIONAL BID ITEMS LISTED ELSEWHERE

TRAFFIC SIGNAL CONDUIT SUMMARY

FROM	TO	552.0605 *				552.0605 *			
		CONCUT 40	NONMETALLIC	SCHEDULE 40	1F	CONCUT 40	NONMETALLIC	SCHEDULE 40	1F
PB1	PB1				39				
PB1	PB2				165				
PB2	PB3				69				
PB3	PB4			250	32				
PB4	PB5								
PB5	PB6								
PB6	PB7				144				
PB7	PB8			33					120
PB8	PB9				150				
PB9	P300				150				
P300	P311			235					
P310	PB12				106				
PB12	PB13				84				
PB13	P311				38				
P311	P312			17					
P312	PB12								
PB12	PB13				19				
PB13	PB3								
PB3	PB5			50					
PB5	PB13				11				
PB6	PB5								
PB6	PB14				14				
PB6	PB14			41					
PB7	PB6			18					
PB7	PB8				8				
PB8	PB9			32					
PB9	P300								
P300	PB9			33					
PB12	P310				22				
P310	P311								
TOTALS				176				162	120

LOOP DETECTOR INSTALLATION

[illegible]

* ADDITIONAL QUANTITIES LISTED ELSEWHERE.

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

TRAFFIC SIGNAL PULL BOX SUMMARY

PULL BOY NUMBER	STATION	LOCATION	653.035* PULL BOXES 24 X 36 INCH EACH	653.040* PULL BOXES 24 X 36 INCH EACH
PB1	1042-82	52.6 RT	1	1
PB2	1043-39	50.5 RT	1	1
PB3	1043-39	50.5 RT	1	1
PB4	1043-39	50.6 RT	1	1
PB5	1041-64	54.5 LT	1	1
PB6	1041-66	51.0 LT	1	1
PB7	1042+17	64.5 LT	1	1
PB8	1043-39	50.5 RT	1	1
PB9	1042-71	56.0 LT	1	1
PB10	1041-40	50.7 LT	1	1
PB11	1045-56	56.6 LT	1	1
PB12	1043-30	5.6 RT	1	1
PB13	1043-22	50.6 RT	1	1
		TOTALS	3	10

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

*FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

CONCRETE BASES

BASE NUMBER	STATION	LOCATION	654.0101*		654.0102*		654.0105*		654.0103*		654.0104*		654.0105*		654.0106*		654.0107*		654.0108*		654.0109*		654.0110*		654.0111*		654.0112*		654.0113*		654.0114*		654.0115*		654.0116*		654.0117*		654.0118*		654.0119*		654.0120*		654.0121*		654.0122*		654.0123*		654.0124*		654.0125*		654.0126*		654.0127*		654.0128*		654.0129*		654.0130*		654.0131*		654.0132*		654.0133*		654.0134*		654.0135*		654.0136*		654.0137*		654.0138*		654.0139*		654.0140*		654.0141*		654.0142*		654.0143*		654.0144*		654.0145*		654.0146*		654.0147*		654.0148*		654.0149*		654.0150*		654.0151*		654.0152*		654.0153*		654.0154*		654.0155*		654.0156*		654.0157*		654.0158*		654.0159*		654.0160*		654.0161*		654.0162*		654.0163*		654.0164*		654.0165*		654.0166*		654.0167*		654.0168*		654.0169*		654.0170*		654.0171*		654.0172*		654.0173*		654.0174*		654.0175*		654.0176*		654.0177*		654.0178*		654.0179*		654.0180*		654.0181*		654.0182*		654.0183*		654.0184*		654.0185*		654.0186*		654.0187*		654.0188*		654.0189*		654.0190*		654.0191*		654.0192*		654.0193*		654.0194*		654.0195*		654.0196*		654.0197*		654.0198*		654.0199*		654.0200*		654.0201*		654.0202*		654.0203*		654.0204*		654.0205*		654.0206*		654.0207*		654.0208*		654.0209*		654.0210*		654.0211*		654.0212*		654.0213*		654.0214*		654.0215*		654.0216*		654.0217*		654.0218*		654.0219*		654.0220*		654.0221*		654.0222*		654.0223*		654.0224*		654.0225*		654.0226*		654.0227*		654.0228*		654.0229*		654.0230*		654.0231*		654.0232*		654.0233*		654.0234*		654.0235*		654.0236*		654.0237*		654.0238*		654.0239*		654.0240*		654.0241*		654.0242*		654.0243*		654.0244*		654.0245*		654.0246*		654.0247*		654.0248*		654.0249*		654.0250*		654.0251*		654.0252*		654.0253*		654.0254*		654.0255*		654.0256*		654.0257*		654.0258*		654.0259*		654.0260*		654.0261*		654.0262*		654.0263*		654.0264*		654.0265*		654.0266*		654.0267*		654.0268*		654.0269*		654.0270*		654.0271*		654.0272*		654.0273*		654.0274*		654.0275*		654.0276*		654.0277*		654.0278*		654.0279*		654.0280*		654.0281*		654.0282*		654.0283*		654.0284*		654.0285*		654.0286*		654.0287*		654.0288*		654.0289*		654.0290*		654.0291*		654.0292*		654.0293*		654.0294*		654.0295*		654.0296*		654.0297*		654.0298*		654.0299*		654.0300*		654.0301*		654.0302*		654.0303*		654.0304*		654.0305*		654.0306*		654.0307*		654.0308*		654.0309*		654.0310*		654.0311*		654.0312*		654.0313*		654.0314*		654.0315*		654.0316*		654.0317*		654.0318*		654.0319*		654.0320*		654.0321*		654.0322*		654.0323*		654.0324*		654.0325*		654.0326*		654.0327*		654.0328*		654.0329*		654.0330*		654.0331*		654.0332*		654.0333*		654.0334*		654.0335*		654.0336*		654.0337*		654.0338*		654.0339*		654.0340*		654.0341*		654.0342*		654.0343*		654.0344*		654.0345*		654.0346*		654.0347*		654.0348*		654.0349*		654.0350*		654.0351*		654.0352*		654.0353*		654.0354*		654.0355*		654.0356*		654.0357*		654.0358*		654.0359*		654.0360*		654.0361*		654.0362*		654.0363*		654.0364*		654.0365*		654.0366*		654.0367*		654.0368*		654.0369*		654.0370*		654.0371*		654.0372*		654.0373*		654.0374*		654.0375*		654.0376*		654.0377*		654.0378*		654.0379*		654.0380*		654.0381*		654.0382*		654.0383*		654.0384*		654.0385*		654.0386*		654.0387*		654.0388*		654.0389*		654.0390*		654.0391*		654.0392*		654.0393*		654.0394*		654.0395*		654.0396*		654.0397*		654.0398*		654.0399*		654.0400*		654.0401*		654.0402*		654.0403*		654.0404*		654.0405*		654.0406*		654.0407*		654.0408*		654.0409*		654.0410*		654.0411*		654.0412*		654.0413*		654.0414*		654.0415*		654.0416*		654.0417*		654.0418*		654.0419*		654.0420*		654.0421*		654.0422*		654.0423*		654.0424*		654.0425*		654.0426*		654.0427*		654.0428*		654.0429*		654.0430*		654.0431*		654.0432*		654.0433*		654.0434*		654.0435*		654.0436*		654.0437*		654.0438*		654.0439*		654.0440*		654.0441*		654.0442*		654.0443*		654.0444*		654.0445*		654.0446*		654.0447*		654.0448*		654.0449*		654.0450*		654.0451*		654.0452*		654.0453*		654.0454*		654.0455*		654.0456*		654.0457*		654.0458*		654.0459*		654.0460*		654.0461*		654.0462*		654.0463*		654.0464*		654.0465*		654.0466*		654.0467*		654.0468*		654.0469*		654.0470*		654.0471*		654.0472*		654.0473*		654.0474*		654.0475*		654.0476*		654.0477*		654.0478*		654.0479*		654.0480*		654.0481*		654.0482*		654.0483*		654.0484*		654.0485*		654.0486*		654.0487*		654.0488*		654.0489*		654.0490*		654.0491*		654.0492*		654.0493*		654.0494*		654.0495*		654.0496*		654.0497*		654.0498*		654.0499*		654.0500*		654.0501*		654.0502*		654.0503*		654.0504*		654.0505*		654.0506*		654.0507*		654.0508*		654.0509*		654.0510*		654.0511*		654.0512*		654.0513*		654.0514*		654.0515*		654.0516*		654.0517*		654.0518*		654.0519*		654.0520*		654.0521*		654.0522*		654.0523*		654.0524*		654.0525*		654.0526*		654.0527*		654.0528*		654.0529*		654.0530*		654.0531*		654.0532*		654.0533*		654.0534*		654.0535*		654.0536*		654.0537*		654.0538*		654.0539*		654.0540*		654.0541*		654.0542*		654.0543*		654.0544*		654.0545*		654.0546*		654.0547*		654.0548*		654.0549*		654.0550*		654.0551*		654.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* ADDITIONAL QUANTITIES LISTED ELSEWHERE

*FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

TRAFFIC SIGNAL CABLE SUMMARY

FROM	TO	655.0320* TRAFFIC SIGNAL CABLE 5-14 AWG		655.0240* TRAFFIC SIGNAL CABLE 7-14 AWG		655.0210* TRAFFIC SIGNAL CABLE 12-14 AWG	
		LF	LF	LF	LF	LF	LF
CBI SB1	HEAD 13	19	--	--	--	54	--
CBI SB1	HEAD 17	19	--	--	--	--	149
CBI SB2	HEAD 18	40	--	--	--	--	--
CBI SB2	HEAD 30	15	--	--	--	--	--
CBI SB2	HEAD 30	6	--	--	--	--	--
CBI SB3	HEAD 1	19	--	--	--	198	--
CBI SB3	HEAD 11	--	--	22	--	--	--
CBI SB3	HEAD 19	19	--	--	--	--	--
CBI SB3	HEAD 19	6	--	--	--	--	--
CBI SB4	HEAD 20	15	--	--	--	264	--
CBI SB4	HEAD 21	15	--	--	--	--	--
CBI SB4	HEAD 21	6	--	--	--	--	--
CBI SB5	HEAD 8	62	--	--	--	322	--
CBI SB5	HEAD 9	51	--	--	--	--	--
CBI SB5	HEAD 10	40	--	--	--	--	--
CBI SB5	HEAD 22	--	--	74	--	--	--
CBI SB5	HEAD 22	15	--	--	--	--	--
CBI SB5	HEAD 22	6	--	--	--	--	--
CBI SB6	HEAD 14	19	--	--	--	388	--
CBI SB6	HEAD 16	19	--	--	--	--	--
CBI SB6	HEAD 16	6	--	--	--	--	--
CBI SB7	HEAD 15	44	--	307	--	--	--
CBI SB8	HEAD 24	15	--	331	--	--	--
CBI SB8	HEAD 24	6	--	--	--	--	--
CBI SB9	HEAD 5	--	--	22	--	232	--
CBI SB9	HEAD 25	15	--	--	--	--	--
CBI SB9	HEAD 25	15	--	--	--	--	--
CBI SB9	HEAD 25	6	--	--	--	--	--
CBI SB10	HEAD 2	62	--	--	--	147	--
CBI SB10	HEAD 3	51	--	--	--	--	--
CBI SB10	HEAD 4	40	--	--	--	--	--
CBI SB10	HEAD 6	--	--	22	--	--	--
CBI SB10	HEAD 7	15	--	--	--	--	--
CBI SB10	HEAD 7	15	--	--	--	--	--
CBI SB10	HEAD 7	6	--	--	--	--	--
CBI SB11	HEAD 28	15	--	60	--	--	--
CBI SB11	HEAD 28	6	--	--	--	--	--
CBI SB12	HEAD 7	15	--	47	--	--	--
CBI SB12	HEAD 7	6	--	--	--	--	--
CBI SB14	HEAD 23	15	--	349	--	--	--
CBI SB14	HEAD 23	6	--	--	--	--	--
CBI SB14	HEAD 23	15	--	--	--	--	--
CBI SB14	HEAD 23	6	--	--	--	--	--
TOTALS		744	1518			1490	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL LIGHTING SUMMARY

FROM	TO	655.0300* CABLE TYPE UF 2-10 AWG		655.0610* ELECTRICAL WIRE LIGHTING 12 AWG	
		LF	LF	LF	LF
CBI SB2	LUMIN	249	--	--	--
CBI SB2	LUMIN	--	--	117	--
CBI SB2	LUMIN	148	--	--	--
CBI SB2	LUMIN	142	--	224	--
CBI SB2	LUMIN	--	--	224	--
CBI SB2	LUMIN	198	--	117	--
CBI SB2	LUMIN	--	--	--	--
TOTALS		637		702	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRIC WIRE TRAFFIC SIGNALS 10 AWG

FROM	TO	655.0518* ELECTRIC WIRE TRAFFIC SIGNALS 10 AWG	
		LF	LF
CBI SB12	SB1	57	--
CBI SB12	SB1	47	--
CBI SB12	SB1	153	--
CBI SB12	SB1	110	--
CBI SB12	SB1	110	--
CBI SB12	SB1	39	--
CBI SB12	SB1	100	--
CBI SB12	SB1	94	--
CBI SB12	SB1	106	--
CBI SB12	SB1	75	--
CBI SB12	SB1	197	--
CBI SB12	SB1	102	--
CBI SB12	SB1	102	--
CBI SB12	SB1	97	--
TOTAL		1671	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL EXP DETECTOR CABLE

FROM	TO	655.0900* EXP DETECTOR CABLE	
		LF	LF
CBI SB12	SB1	372	--
CBI SB12	SB1	197	--
CBI SB12	SB1	186	--
CBI SB12	SB1	338	--
TOTAL		1093	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	655.0200.0006 ELECTRICAL SERVICE METER BREAKER PEDESTAL	
	LS	LS
ABBOTT AVENUE	1	

*FINAL LOCATION TO BE DETERMINED BY THE FIELD ENGINEER

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 750
September 1, 2017

TRAFFIC SIGNAL BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES

SIGNAL NUMBER	657.0200* PEDESTAL BASES EACH	657.0225* TRANSFORMER BOLT CIRCLE EACH	657.0227* POLES TYPE 5-ALUMINUM EACH	657.0430* TRAFFIC SIGNAL STANDARDS ALUMINUM 10 - FT EACH	657.0425* TRAFFIC SIGNAL STANDARDS ALUMINUM 15 - FT EACH	657.0609* LUMINAIRE ARMS 4 - INCH CLAMP EACH	657.1350* POLES TYPE 10 EACH	657.1360* POLES TYPE 10 EACH	657.1620* MONOTUBE ARMS 20-FT EACH	657.1625* MONOTUBE ARMS 25-FT EACH	657.1635* MONOTUBE ARMS 35-FT EACH	657.1650* MONOTUBE ARMS 50-FT EACH	657.1815* LUMINAIRE ARMS STEEL 15-FOOT EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH	658.0635* LUMINAIRES UTILITY LED C EACH
S81	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S82	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S83	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S84	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S85	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S86	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S87	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S88	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S89	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S90	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S91	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S92	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S93	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S94	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S95	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S96	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S97	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S98	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
S100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTALS	9	1	1	5	2	2	2	2	1	1	1	1	4	10	4

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL FACE SUMMARY

SIGNAL NUMBER	658.0210* TRAFFIC SIGNAL FACE 3-12 INCH VEHICULAR EACH	658.0215* TRAFFIC SIGNAL FACE 4-12 INCH VEHICULAR EACH	658.0220* BACKPLATES SIGNAL FACE 3 SECT 12-INCH EACH	658.0225* BACKPLATES SIGNAL FACE 4 SECT 12-INCH EACH	658.0416* PEDESTRIAN SIGNAL FACE 12-INCH EACH	658.0605* LED MODULES 12-INCH YELLOW BALL EACH	658.0610* LED MODULES 12-INCH GREEN BALL EACH	658.0615* LED MODULES 12-INCH RED BALL EACH	658.0620* LED MODULES 12-INCH YELLOW ARROW EACH	658.0625* LED MODULES 12-INCH GREEN ARROW EACH	658.0635* LED MODULES PEDESTRIAN COUNTDOWN TIMER 12-INCH EACH
1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1
TOTALS	14	4	14	4	12	14	14	4	8	4	12

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 751
September 1, 2017

LOOP DETECTOR INSTALLATION

LOOP NO.	STATION	LOCATION	SIZE	NO. OF LAPS	655.0800* CONDUIT	655.0800* LOOP DETECTOR	655.0800* WIRE	500' INSTALLATION REFERENCE
11	1051+56	4.3 RT	6X20	3	70	143	212	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
12	1051+84	4.3 RT	6X20	3	66	143	200	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
13	1051+84	4.3 RT	6X20	3	66	143	200	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
22	1055+66	36.5 LT	6X6	6	84	508	508	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
23	1055+66	36.5 LT	6X6	6	46	512	278	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
24	1055+67	14.9 LT	6X6	6	46	512	278	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
25	1055+67	14.9 LT	6X20	3	124	374	374	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
32	50+98	1.9 RT	6X20	3	124	374	374	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
41	47+41	6.5 RT	6X6	6	70	435	422	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
42	48+92	2.5 RT	6X20	3	92	324	278	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
43	49+20	2.5 RT	6X20	3	66	278	200	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
44	49+20	6.5 RT	6X20	3	102	278	308	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
51	1053+44	10.1 LT	6X20	3	70	215	212	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
52	1053+46	10.1 LT	6X20	3	64	215	194	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
62	10+34	25.2 RT	6X6	5	76	386	382	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
63	10+34	14.0 RT	6X6	5	46	386	232	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
71	48+92	4.9 LT	6X20	3	132	324	398	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
72	49+20	4.9 LT	6X20	3	82	278	374	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
82	50+98	31.4 RT	6X20	3	66	119	200	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
83	50+70	31.4 RT	6X20	3	66	93	200	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
84	50+98	35.0 RT	6X20	3	102	119	308	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
85	50+70	35.0 RT	6X20	3	102	119	308	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 3)
TOTALS					2042	6839	7508	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE.

TRAFFIC SIGNAL CONDUIT SUMMARY

		655.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40	655.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40	655.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40
FROM	TO	2'-INCH 1E	3'-INCH 1E	3'-INCH 1E
CBI	PB1	--	--	39
PB1	PB2	--	--	100
PB2	PB4	225	--	104
PB4	PB5	--	--	106
PB5	PB6	--	--	148
PB6	PB7	45	--	--
PB7	PB8	107	--	--
PB8	PB9	--	--	134
PB9	PB10	--	--	142
PB10	PB11	225	--	--
PB11	PB12	320	--	134
PB12	PB13	--	--	--
PB13	PB14	22	--	86
PB14	PB15	127	--	140
PB15	PB16	--	--	--
PB16	PB17	3	--	126
PB17	CBI	30	--	18
PB18	PB19	50	--	--
PB19	PB20	--	--	--
PB20	SBI1	--	--	6
SBI1	SBI2	--	--	--
SBI2	SBI3	21	--	--
SBI3	SBI4	21	--	--
SBI4	SBI5	--	--	5
SBI5	SBI6	25	--	--
SBI6	SBI7	18	--	--
SBI7	SBI8	26	--	--
SBI8	SBI9	--	--	7
SBI9	SBI10	19	--	--
SBI10	SBI11	19	--	--
SBI11	SBI12	19	--	--
SBI12	SBI13	--	--	6
SBI13	SBI14	--	--	--
SBI14	SBI15	7	--	--
SBI15	SBI16	8	--	--
SBI16	SBI17	13	--	--
SBI17	PB20	--	--	--
TOTALS		1373	--	1301

* ADDITIONAL QUANTITIES LISTED ELSEWHERE.

REMOVING CONCRETE BASES

EXISTING BASE NUMBER	STATION	LOCATION	204.0095* REMOVING CONCRETE BASES EACH
SB43	1052+85	68.0 LT	1
SB44	1052+89	11.1 RT	1
SB45	1052+96	6.5 RT	1
SB46	1052+76	70.5 RT	1
SB47	1052+20	64.5 RT	1
SB48	1052+6	48.9 RT	1
SB49	1052+09	34.2 LT	1
SB50	1052+00	82.7 LT	1
SB51	1052+17	82.7 LT	1
SB52	1052+69	89.0 LT	1
CE4	1052+82	81.5 LT	1
EX5B53	1058+42	97.7 LT	1
EX5B54	1058+82	97.7 LT	1
EX5B55	1058+78	7.0 LT	1
TOTAL			14

* ADDITIONAL QUANTITIES LISTED ELSEWHERE.

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TRAFFIC SIGNAL PULL BOX SUMMARY

PULL BOX NUMBER	STATION	** LOCATION	654.0010* PULL BOXES STEEL		654.0010* PULL BOXES STEEL	
			24 X 36 - INCH	EACH	24 X 42 - INCH	EACH
PB1	1052+00	75.7 RT	1	1	1	1
PB2	1051+64	50.8 RT	1	1	1	1
PB3	1049+35	50.7 RT	1	1	1	1
PB4	1051+63	61.7 LT	1	1	1	1
PB5	1052+09	100.2 LT	1	1	1	1
PB7	1052+09	128.7 LT	1	1	1	1
PB8	1052+15	39.3 LT	1	1	1	1
PB9	1051+63	61.7 LT	1	1	1	1
PB10	1051+27	65.9 LT	1	1	1	1
PB11	1051+63	65.9 LT	1	1	1	1
PB12	1051+77	51.8 RT	1	1	1	1
PB13	1052+85	32.8 RT	1	1	1	1
PB14	1052+85	130.0 RT	1	1	1	1
PB15	1052+85	42.0 LT	1	1	1	1
PB16	1052+84	65.8 LT	1	1	1	1
PB17	1052+84	65.8 LT	1	1	1	1
PB18	1052+84	65.8 LT	1	1	1	1
PB19	1052+84	65.8 LT	1	1	1	1
PB20	1052+84	65.8 LT	1	1	1	1
TOTALS			3	3	3	3

* ADDITIONAL QUANTITIES LISTED ELSEWHERE.
* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVING PULL BOXES

EXISTING PULL BOX NUMBER	STATION	LOCATION	653.0005* REMOVING PULL BOXES	
			EACH	EACH
PB54	1052+81	69.2 LT	1	1
PB55	1052+37	68.2 LT	1	1
PB56	1051+77	31.1 LT	1	1
PB57	1051+77	31.1 LT	1	1
PB58	1052+85	64.8 RT	1	1
PB59	1052+82	79.9 RT	1	1
PB60	1052+85	31.2 RT	1	1
PB61	1052+85	47.2 RT	1	1
PB62	1051+95	68.3 LT	1	1
PB63	1051+91	68.3 LT	1	1
PB64	1050+40	6.8 LT	1	1
PB65	1049+53	2.4 RT	1	1
PB66	1049+53	2.4 RT	1	1
PB67	1052+44	68.3 LT	1	1
PB68	1052+45	80.3 LT	1	1
PB69	1052+45	80.3 LT	1	1
PB70	1052+78	84.7 LT	1	1
PB71	1058+89	88.0 LT	1	1
PB72	1058+75	44.5 LT	1	1
PB73	1058+73	6.9 LT	1	1
TOTALS			20	20

* ADDITIONAL QUANTITIES LISTED ELSEWHERE.

CONCRETE BASES

BASE NUMBER	STATION	LOCATION	654.0010* CONCRETE BASES		654.0010* CONCRETE BASES		654.0010* CONCRETE BASES		654.0010* CONCRETE BASES		654.0010* CONCRETE BASES		654.0010* CONCRETE BASES	
			TYPE 1	TYPE 2	TYPE 10	TYPE 13	OPENING	UTILITY LINE	CABINET	CONTROL	TYPE 9	SPECIAL		
SB1	1052+03	80.7 RT	1	1	1	1	1	1	1	1	1	1	1	1
SB2	1052+03	70.5 RT	1	1	1	1	1	1	1	1	1	1	1	1
SB3	1051+85	54.7 RT	1	1	1	1	1	1	1	1	1	1	1	1
SB4	1051+77	62.4 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB5	1051+70	62.4 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB6	1051+66	62.4 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB7	1052+09	79.1 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB8	1052+75	108.9 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB9	1052+97	77.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB10	1053+15	66.3 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB11	1053+14	4.6 RT	1	1	1	1	1	1	1	1	1	1	1	1
SB12	1053+15	52.9 RT	1	1	1	1	1	1	1	1	1	1	1	1
SB13	1053+15	52.9 RT	1	1	1	1	1	1	1	1	1	1	1	1
SB14	1053+15	52.9 RT	1	1	1	1	1	1	1	1	1	1	1	1
SB15	1058+69	81.3 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB16	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB17	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB18	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB19	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB20	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB21	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB22	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB23	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB24	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB25	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB26	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB27	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB28	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB29	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB30	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
SB31	1058+94	54.6 LT	1	1	1	1	1	1	1	1	1	1	1	1
TOTALS			11	2	1	3	4	1	1	1	1	1	1	1

ADDITIONAL QUANTITIES LISTED ELSEWHERE.

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

TRAFFIC SIGNAL LIGHTING WIRE SUMMARY			
655.0320* CABLE TYPE LF 2 - ID AWG GROUND			
FROM	TO	LF	12 AWG
CBI	SBI	54	--
SBI	LUMIN	--	11T
SBI	LUMIN	161	234
SBI	LUMIN	161	--
SBI	SBI	269	--
SBI	LUMIN	--	234
SBI	SBI	192	--
SBI	LUMIN	--	11T

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

SB13	120
SB14	120
CBI	2771
TOTAL	2771

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TOTAL 277

* ADDITIONAL QUANTITIES LISTED ELSEWHERE.

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

SIGNAL BASE NUMBER	657-0000 * PEDESTAL BASES EACH	657-0000 * TRAFFIC SIGNAL BOLTS BREAKAWAY BASES BOLT CIRCLE EACH	657-0000 * TRAFFIC SIGNAL STANDARDS ALUMINUM 13 - FT EACH	657-0000 * TRAFFIC SIGNAL STANDARDS ALUMINUM 10 - FT EACH	657-0000 * TRAFFIC SIGNAL STANDARDS ALUMINUM 15 - FT EACH	LUMINAIRE ARM 657-0000 * SINGLE MEMBER 4-INCH CLAMP 6-FOOT EACH	POLES TYPE 10 EACH	POLES TYPE 12 EACH	POLES TYPE 13 EACH	MONITUBE ARMS 30-FT EACH	MONITUBE ARMS 45-FT EACH	MONITUBE ARMS 50-FT EACH	657-1805 * INSTALL LUMINAIRE ARMS STEEL 15-FOOT PUSH BUTTONS UTILITY LED C EACH	657-1805 * INSTALL LUMINAIRE ARMS STEEL 15-FOOT PUSH BUTTONS UTILITY LED C EACH	657-1805 * INSTALL LUMINAIRE ARMS STEEL 15-FOOT PUSH BUTTONS UTILITY LED C EACH
S81	--	--	--	--	--	--	--	--	1	--	1	--	--	1	1
S82	1	--	--	1	--	--	--	--	--	--	--	--	--	1	--
S83	1	--	--	--	1	--	--	--	--	--	--	--	--	1	--
S84	--	1	--	--	2	--	--	--	--	--	--	--	1	2	--
S85	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--
S86	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--
S87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S88	--	--	--	--	--	--	--	--	--	1	--	--	1	1	--
S89	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--
S90	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
S91	--	1	--	--	--	2	--	--	--	--	--	--	--	2	--
S92	1	--	--	1	--	--	--	--	--	--	--	1	--	--	--
S93	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--
S94	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
S95	1	--	1	--	--	--	--	--	--	--	--	--	--	--	--
S96	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S97	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S99	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTALS	11	2	2	3	4	4	1	2	1	1	1	2	2	10	6

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL FACE SUMMARY

SIGNAL NUMBER	658.0103 * TRAFFIC SIGNAL FACE 3-12 INCH VERTICAL EACH	658.0105 * TRAFFIC SIGNAL FACE 4-12 INCH VERTICAL EACH	658.0210 * BACKPLATE SIGNAL FACE 1 SECTION 12-INCH EACH	658.0215 * BACKPLATES SIGNAL FACE 12-INCH 4 SECTION EACH	658.0220 * BACKPLATES SIGNAL FACE 12-INCH EACH	658.0416 * PEDESTRIAN SIGNAL FACE 12-INCH EACH	658.0600 * LED MODULES 12-INCH RED BALL EACH	658.0605 * LED MODULES 12-INCH YELLOW BALL EACH	658.0610 * LED MODULES 12-INCH GREEN BALL EACH	658.0615 * LED MODULES 12-INCH RED ARROW EACH	658.0620 * LED MODULES 12-INCH YELLOW ARROW EACH	658.0625 * LED MODULES 12-INCH GREEN ARROW EACH	658.0635 * LED MODULES 12-INCH PEDESTRIAN COUNTDOWN TIMER 10-15 INCH EACH
1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1
32	1	1	1	1	1	1	1	1	1	1	1	1	1
33	1	1	1	1	1	1	1	1	1	1	1	1	1
34	1	1	1	1	1	1	1	1	1	1	1	1	1
35	1	1	1	1	1	1	1	1	1	1	1	1	1
36	1	1	1	1	1	1	1	1	1	1	1	1	1
37	1	1	1	1	1	1	1	1	1	1	1	1	1
38	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTALS	15	8	3	15	8	12	15	18	8	16	8	12	12

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

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Revised Plan Sheet 756
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INTERCONNECT CONDUIT SUMMARY

CATEGORY	INTERSECTION	FROM	TO	652.0225* CONDUIT RCD SCHEDULE 40		671.0132 CONDUIT HOPE SCHEDULE 40	
				2-INCH L.F.	3-INCH L.F.	2-INCH L.F.	3-INCH L.F.
0010	USH 45/STH 100 & COLLEGE AVENUE	CB1	CV1	16	--	--	--
		ICPB1	ICPB1	--	58	--	--
		ICPB2	ICPB2	--	83	--	--
		ICPB3	ICPB3	--	302	--	--
		ICPB4	ICPB4	--	21	--	--
		ICPB5	ICPB5	--	301	--	--
		ICPB6	ICPB6	--	239	--	--
		ICPB7	ICPB7	--	268	--	--
		ICPB8	ICPB8	--	309	--	--
		ICPB9	ICPB9	--	36	--	--
	USH 45/STH 100 & FOREST HOME AVENUE	CB1	CV2	--	--	--	--
		ICPB10	ICPB10	--	189	--	--
		ICPB11	ICPB11	--	130	--	--
		ICPB12	ICPB12	--	46	--	--
	USH 45/STH 100 & JAMESVILLE ROAD	CV3	CB1	--	--	--	--
		ICPB13	ICPB13	--	234	--	--
		ICPB14	ICPB14	--	297	--	--
		ICPB15	ICPB15	--	295	--	--
	USH 45/STH 100 & PARNELL AVENUE	ICPB16	ICPB16	--	101	--	--
		ICPB17	ICPB17	--	25	--	--
		ICPB18	ICPB18	--	265	--	--
		ICPB19	ICPB19	--	235	--	--
	USH 45/STH 100 & GRANGE AVENUE	ICPB20	ICPB20	--	192	--	--
		CB1	CV5	--	28	--	--
		ICPB21	ICPB21	--	233	--	--
		ICPB22	ICPB22	--	287	--	--
	USH 45/STH 100 & ABBOTT AVENUE	ICPB23	ICPB23	--	291	--	--
		ICPB24	ICPB24	--	276	--	--
		ICPB25	ICPB25	--	276	--	--
		ICPB26	ICPB26	--	129	--	--
	USH 45/STH 100 & EDGERTON AVENUE	CV6	CB1	13	--	--	--
		ICPB27	ICPB27	--	208	--	--
		ICPB28	ICPB28	--	263	--	--
		ICPB29	ICPB29	--	289	--	--
	USH 45/STH 100 & JH-43 NB RAMPS	CB1	CV7	55	--	--	--
		ICPB30	ICPB30	--	294	--	--
		ICPB31	ICPB31	--	188	--	--
		ICPB32	ICPB32	--	93	--	--
	TOTAL	ICPB33	ICPB33	--	232	--	--
		ICPB34	ICPB34	--	67	--	--
		ICPB35	ICPB35	--	67	--	--
		ICPB36	ICPB36	--	67	--	--
		ICPB37	ICPB37	--	67	--	--
		ICPB38	ICPB38	--	67	--	--
		ICPB39	ICPB39	--	67	--	--
		ICPB40	ICPB40	--	67	--	--
		ICPB41	ICPB41	--	67	--	--
		ICPB42	ICPB42	--	67	--	--
		ICPB43	ICPB43	--	67	--	--
		ICPB44	ICPB44	--	67	--	--
		ICPB45	ICPB45	--	67	--	--
		ICPB46	ICPB46	--	67	--	--
		ICPB47	ICPB47	--	67	--	--
		ICPB48	ICPB48	--	67	--	--
		ICPB49	ICPB49	--	67	--	--
		ICPB50	ICPB50	--	67	--	--
		ICPB51	ICPB51	--	67	--	--
		ICPB52	ICPB52	--	67	--	--
		ICPB53	ICPB53	--	67	--	--
		ICPB54	ICPB54	--	67	--	--
		ICPB55	ICPB55	--	67	--	--
		ICPB56	ICPB56	--	67	--	--
		ICPB57	ICPB57	--	67	--	--
		ICPB58	ICPB58	--	67	--	--
		ICPB59	ICPB59	--	67	--	--
		ICPB60	ICPB60	--	67	--	--
		ICPB61	ICPB61	--	67	--	--
		ICPB62	ICPB62	--	67	--	--
		ICPB63	ICPB63	--	67	--	--
		ICPB64	ICPB64	--	67	--	--
		ICPB65	ICPB65	--	67	--	--
		ICPB66	ICPB66	--	67	--	--
		ICPB67	ICPB67	--	67	--	--
		ICPB68	ICPB68	--	67	--	--
		ICPB69	ICPB69	--	67	--	--
		ICPB70	ICPB70	--	67	--	--
		ICPB71	ICPB71	--	67	--	--
		ICPB72	ICPB72	--	67	--	--
		ICPB73	ICPB73	--	67	--	--
		ICPB74	ICPB74	--	67	--	--
		ICPB75	ICPB75	--	67	--	--
		ICPB76	ICPB76	--	67	--	--
		ICPB77	ICPB77	--	67	--	--
		ICPB78	ICPB78	--	67	--	--
		ICPB79	ICPB79	--	67	--	--
		ICPB80	ICPB80	--	67	--	--
		ICPB81	ICPB81	--	67	--	--
		ICPB82	ICPB82	--	67	--	--
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		ICPB112	ICPB112	--	67	--	--
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		ICPB119	ICPB119	--	67	--	--
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		ICPB122	ICPB122	--	67	--	--
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		ICPB186	ICPB186	--	67	--	--
		ICPB187	ICPB187	--	67	--	--
		ICPB188	ICPB188	--	67	--	--

FIBER OPTIC CABLE AND TRACER WIRE ***

CATEGORY	LOCATION	678.0072 CABLE OUTDOOR PLANT 2-CT		655.0610* ELECTRICAL WIRE LIGHTING 12 AWG	
		FROM	TO	FROM	TO
0010	CV1	ICPB1	158	CV1	78
	CV2	ICPB2	151	CV2	143
	CV3	ICPB3	141	CV3	141
	CV4	ICPB4	332	CV4	322
	CV5	ICPB5	241	CV5	231
	CV6	ICPB6	321	CV6	321
	CV7	ICPB7	327	CV7	317
	CV8	ICPB8	298	CV8	288
	CV9	ICPB9	329	CV9	329
	CV10	ICPB10	298	CV10	298
	CV11	ICPB11	160	CV11	150
	CV12	ICPB12	394	CV12	314
	CV13	ICPB13	327	CV13	312
	CV14	ICPB14	325	CV14	315
	CV15	ICPB15	278	CV15	268
	CV16	ICPB16	395	CV16	385
	CV17	ICPB17	396	CV17	386
	CV18	ICPB18	336	CV18	306
	CV19	ICPB19	323	CV19	313
	CV20	ICPB20	223	CV20	213
	CV21	ICPB21	215	CV21	205
	CV22	ICPB22	317	CV22	307
	CV23	ICPB23	321	CV23	311
	CV24	ICPB24	306	CV24	296
	CV25	ICPB25	308	CV25	298
	CV26	ICPB26	159	CV26	149
	CV27	ICPB27	308	CV27	298
	CV28	ICPB28	293	CV28	283
	CV29	ICPB29	109	CV29	109
	CV30	ICPB30	394	CV30	314
	CV31	ICPB31	321	CV31	311
	CV32	ICPB32	123	CV32	103
	CV33	ICPB33	221	CV33	211
	CV34	ICPB34	71	CV34	61
	CV35	ICPB35	181	CV35	171
	CV36	ICPB36	100	CV36	90
	CV37	ICPB37	100	CV37	20
TOTALS		11,346		10,216	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
 **72-CT FIBER OPTIC CABLE QUANTITIES INCLUDE 100' OF SLACK FOR EACH VAULT AND 30' FOR EACH PULL BOX
 ***TRACER WIRE QUANTITIES INCLUDE 20' OF SLACK FOR EACH VAULT AND PULL BOX

INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET

CATEGORY	LOCATION	SPV.005.048		SPV.005.050		SPV.005.051		SPV.005.052		SPV.005.053		SPV.005.054	
		LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS
0010	USH 45/STH 100 & COLLEGE AVENUE	1	--	--	--	--	--	--	--	--	--	--	--
	USH 45/STH 100 & FOREST HOME AVENUE	--	1	--	--	--	--	--	--	--	--	--	--
	USH 45/STH 100 & JANEVILLE ROAD	--	--	1	--	--	--	--	--	--	--	--	--
	USH 45/STH 100 & PARNELL AVENUE	--	--	--	1	--	--	--	--	--	--	--	--
	USH 45/STH 100 & ABBOTT AVENUE	--	--	--	--	1	--	--	--	--	--	--	--
	USH 45/STH 100 & EDGERTON AVENUE	--	--	--	--	--	1	--	--	--	--	--	--
	USH 45/STH 100 & I-43 NB RAMP	--	--	--	--	--	--	1	--	--	--	--	--
	TOTALS	1	1	1	1	1	1	1	1	1	1	1	1

FIBER OPTIC SPLICE SUMMARY

CATEGORY	LOCATION	EQUIPMENT	STATION	LOCATION	678.0200		678.0300	
					SPICE ENCLOSURE	EACH	FIBER OPTIC SPLICE	EACH
0010	CV1	972+98.77	11L2RT	1	1	1	4	4
	CV2	998+92.09	60.01T	1	1	1	4	4
	CV3	998+92.09	60.01T	1	1	1	4	4
	CV4	101+95.87	50.71T	1	1	1	4	4
	CV5	1025+28.9	50.8RT	1	1	1	70	70
	CV6	1035+30.21	50.8RT	1	1	1	8	8
	CV7	1047+38	50.8RT	1	1	1	4	4
	CV8	1062+71.68	75.9RT	1	1	1	4	4
TOTALS					8	8	102	102

MAIN SPLICES SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.

ITS SWITCH SUMMARY

CATEGORY	LOCATION	EQUIPMENT	STATION	LOCATION	675.0400.5		678.0400	
					ETHERNET SWITCH	EACH	FIBER OPTIC TERMINATION	EACH
0010	USH 45/STH 100 & COLLEGE AVENUE	CBI	51+00.9 CA	38.8RT	--	--	--	--
	USH 45/STH 100 & FOREST HOME AVENUE	CBI	165+61.6A	56.0LT	--	--	--	--
	USH 45/STH 100 & JANEVILLE ROAD	CBI	102+18.2	61.6LT	--	--	--	--
	USH 45/STH 100 & PARNELL AVENUE	CBI	102+18.2	61.6LT	--	--	--	--
	USH 45/STH 100 & ABBOTT AVENUE	CBI	1025+50.8	68.2RT	--	--	--	--
	USH 45/STH 100 & GRANGE AVENUE	CBI	1042+95.1	62.7RT	--	--	--	--
	DYNAMIC MESSAGE SIGN CABINET	EXCB-DMS-40-0013	1047+38	58.3RT	1	1	--	--
	USH 45/STH 100 & FOREST HOME AVENUE	CBI	1047+38	58.3RT	--	--	--	--
	USH 45/STH 100 & I-43 RAMP	CBI	1062+80.5	71.5RT	--	--	--	--
	USH 45/STH 100 & I-43 RAMP	CBI	1062+80.5	71.5RT	--	--	--	--
	USH 45/STH 100 & I-43 RAMP	HUB	1063+63.7	69.4RT	1	1	4	4
	TOTALS				2	2	4	4

FIBER OPTIC CONNECTOR SUMMARY

CATEGORY	LOCATION	EQUIPMENT	STATION	LOCATION	655.0610*		655.0610*	
					8-COUNT FIBER OPTIC CONNECTOR 200-FT	EACH	8-COUNT FIBER OPTIC CONNECTOR 400-FT	EACH
0010	USH 45/STH 100 & COLLEGE AVENUE	CBI	51+00.9 CA	38.8RT	1	1	1	1
	USH 45/STH 100 & FOREST HOME AVENUE	CBI	165+61.6A	56.0LT	1	1	1	1
	USH 45/STH 100 & JANEVILLE ROAD	CBI	102+18.2	61.6LT	1	1	1	1
	USH 45/STH 100 & PARNELL AVENUE	CBI	102+18.2	61.6LT	1	1	1	1
	USH 45/STH 100 & ABBOTT AVENUE	CBI	1025+50.8	68.2RT	1	1	1	1
	USH 45/STH 100 & GRANGE AVENUE	CBI	1042+95.1	62.7RT	1	1	1	1
	DYNAMIC MESSAGE SIGN CABINET	EXCB-DMS-40-0013	1047+38	58.3RT	1	1	1	1
	USH 45/STH 100 & FOREST HOME AVENUE	CBI	1047+38	58.3RT	1	1	1	1
	USH 45/STH 100 & I-43 RAMP	CBI	1062+80.5	71.5RT	1	1	1	1
	USH 45/STH 100 & I-43 RAMP	CBI	1062+80.5	71.5RT	1	1	1	1
	USH 45/STH 100 & I-43 RAMP	HUB	1063+63.7	69.4RT	1	1	1	1
	TOTALS				12	12	12	12

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE
 **ELECTRICAL WIRE TO BE USED AS TRACER WIRE

Addendum No. 01
 ID 2040-11-70
 Revised Plan Sheet 763
 September 1, 2017

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 771
September 1, 2017

SANITARY SEWER MANHOLES - HALES CORNERS

CATEGORY	STATION	LOCATION	MANHOLE ID	204.0250		204.0250		204.0250		REMARKS
				ASANDONING	ADJUSTING	ADJUSTING	ADJUSTING	RECONSTRUCTING		
				MANHOLES WITH NEW COVER	MANHOLES WITH EXISTING COVER	MANHOLES WITH EXISTING COVER	MANHOLES WITH EXISTING COVER	MANHOLES WITH EXISTING COVER		
0040	914+41.3	58.7 RT	1004	--	--	--	--	--		
	916+57.6	59.6 RT	1005	--	--	--	--	--		
	919+52.5	99.0 LT	1007	--	--	--	--	--		
	920+52.6	60.7 RT	1008	--	--	--	--	--	REPLACE DAMAGED ADJUSTMENT RINGS	
	921+52.6	60.7 RT	1003	--	--	--	--	--	REPLACE DAMAGED ADJUSTMENT RINGS	
	924+45.5	22.8 LT	1001	--	--	--	--	--		
	924+45.5	59.8 RT	1002	--	--	--	--	--		
	925+46.5	19.1 LT	1003	--	--	--	--	--		
	926+46.5	60.7 RT	1004	--	--	--	--	--	REPLACE DAMAGED ADJUSTMENT RINGS	
	928+34.8	10.3 LT	1036	--	--	--	--	--		
	928+44.2	57.1 LT	1095	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
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	929+52.1	70.8 LT	1007	--	--	--	--	--		
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	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
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	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		
	929+52.1	70.8 LT	1007	--	--	--	--	--		

CONCRETE SEAT WALL - CHURCH

CATEGORY	STATION	STATION	LOCATION	SPV.0095.035
0000	20+65 RI	21+08 RI	RT	1
			TOTAL	1

GRAVITY LANDSCAPE LRED - CULVERS

CATEGORY	STATION	STATION	LOCATION	SPV.0095.002
0000	986+50.00	987+90.00	LT	2.155
			TOTAL	2.155

GRAVITY LANDSCAPE LRED - GRANGE

CATEGORY	STATION	STATION	LOCATION	SPV.0095.003
0000	51+60 GA	52+80 GA	RT	1.570
			TOTAL	1.570

CONSTRUCTION STAKING CONCRETE SIDEWALKS

CATEGORY	STAGE	STATION	STATION	LOCATION	SPV.0095.002
0000		993+75	995+50	LT	375
		1001+50	1003+50	RT	200
		1001+50	1003+50	RT	75
		1001+25	1007+90	RT	65
		1011+80	1012+40	LT	60
		1031+50	1036+75	LT	25
		1031+50	1037+30	LT	350
			TOTAL		1030

PAVEMENT MARKING

CATEGORY	LOCATION	SPV.0095.001
0000	COLLEGE AVENUE	808
	FORESTHOM AVENUE	816
	JANESVILLE ROAD	576
	PARNELL AVENUE	408
	EDGERTON AVENUE	420
	EDGERTON AVENUE	528
	ROUNDABOUT	460
	TOTAL	4,102

FLASHER ASSEMBLY CONDUIT AND CABLE

CATEGORY	LOCATION	FROM	TO	655.0225*	655.0230*
0000	1H-43 EB ON RAMP	P 2WHS	PB-1060	5	37
		PB-1061	EXPB-F1	192	225
		EXPB-F1	EXPB-F2	---	32
		EXPB-F2	EXPB-F3	---	175
		EXPB-F3	EXPB-F4	---	82
		EXPB-F4	EXPB-F5	---	54
		EXPB-F5	EX-CB-CCTV	---	37
		TOTALS		197	636

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 772
September 1, 2017

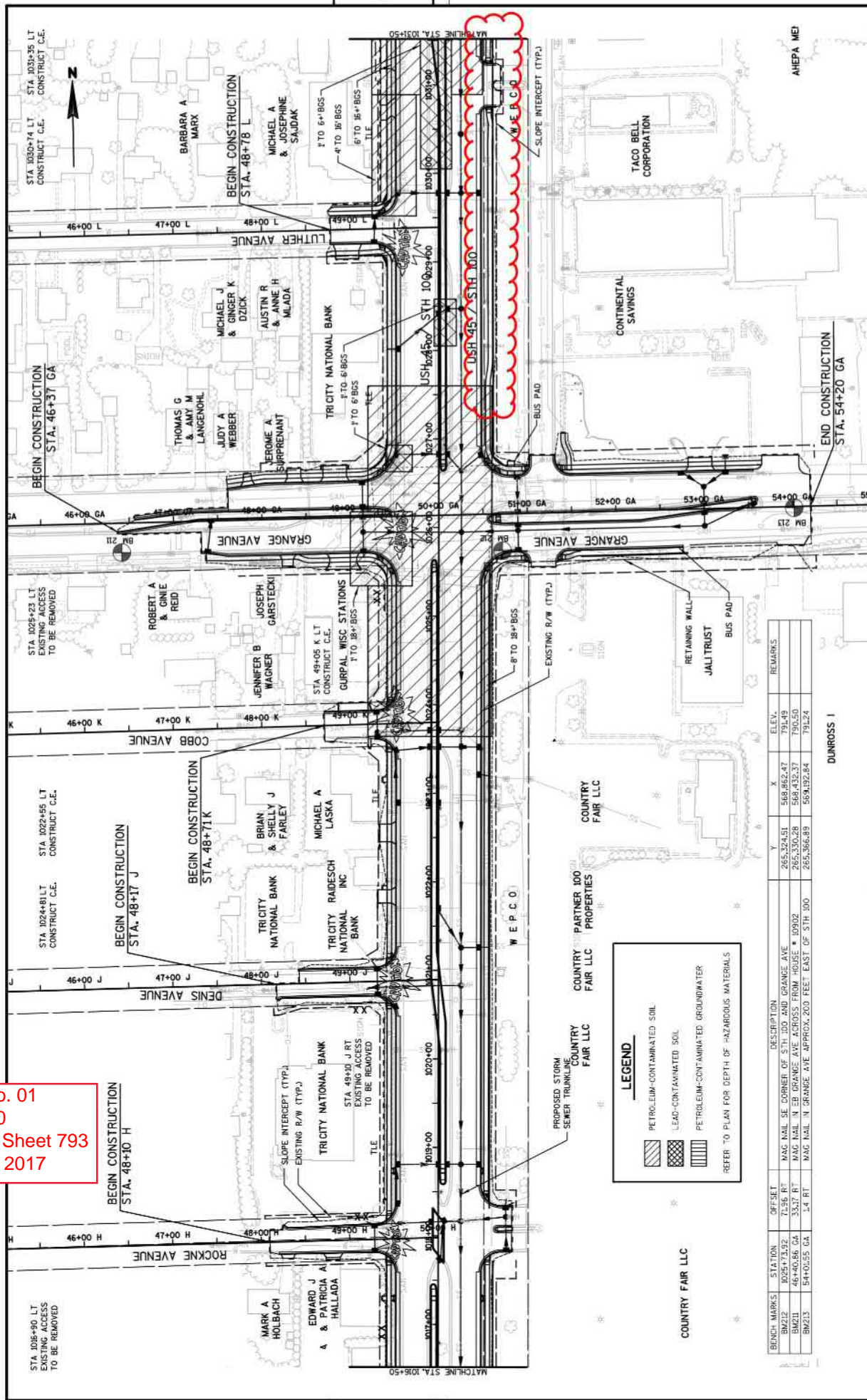
SIGNAL ASSEMBLY ADVANCE FLASHER**

CATEGORY	STATION	STATION	LOCATION	204.0095*	204.0050.002	652.0700.5*	654.0001*	674.0305	SPV.0050.025
0000	1058+55.0	83.3 RT	---	---	---	---	---	---	---
	1058+59.0	85.7 RT	---	---	---	---	---	---	---
	1058+60.0	85.7 RT	---	---	---	---	---	---	---
	1060+54.9	70.4 RT	---	---	---	---	---	---	---
	1060+73.2	96.0 RT	---	---	---	---	---	---	---
	1062+26.0	77.5 RT	---	---	---	---	---	---	---
	1062+24.2	67.4 RT	---	---	---	---	---	---	---
	1062+24.2	67.4 RT	---	---	---	---	---	---	---
	1062+72.9	61.0 RT	---	---	---	---	---	---	---
		TOTAL		3	2	2	1	1	1

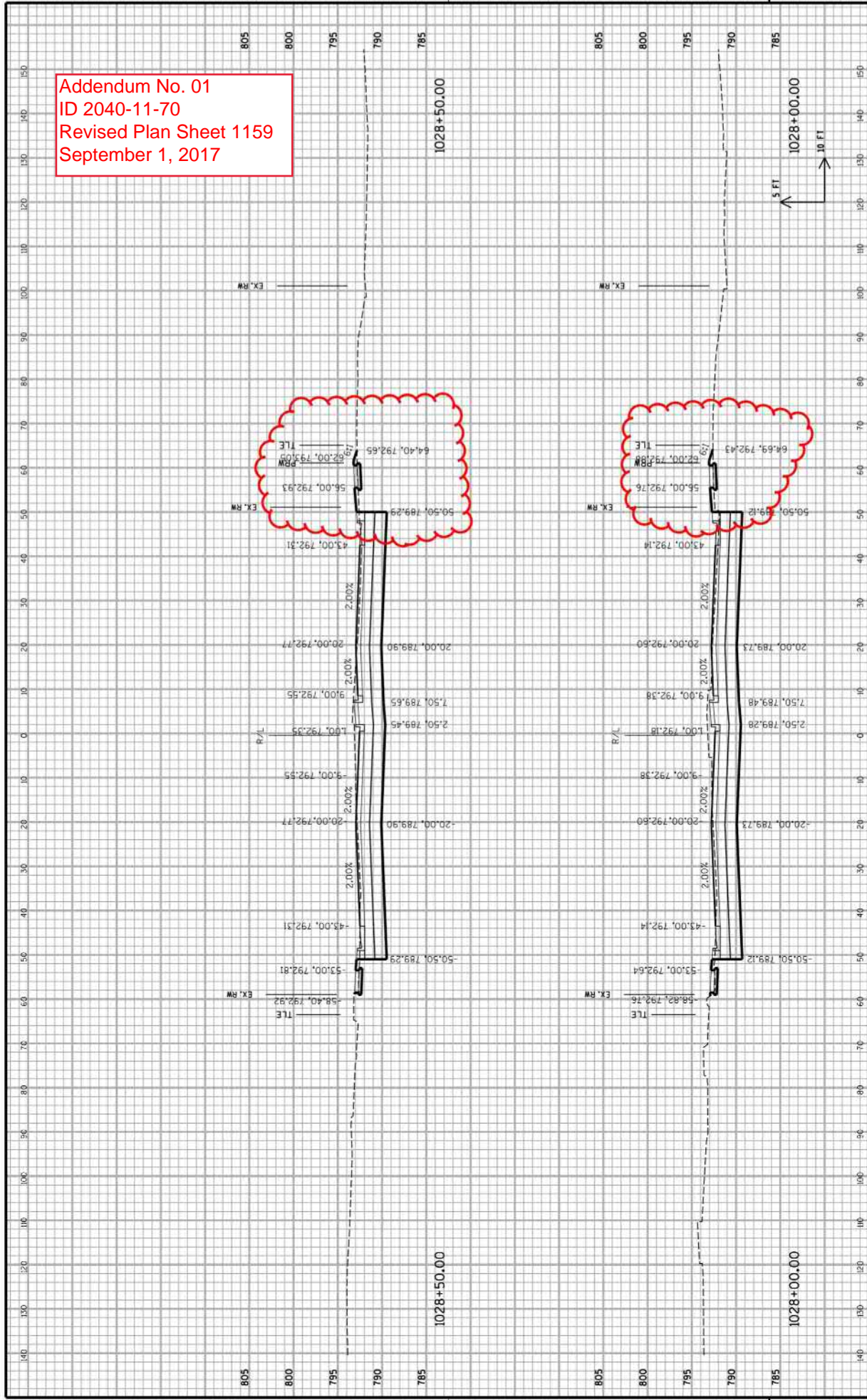
* ADDITIONAL QUANTITIES LISTED ELSEWHERE

**CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH CABLE TRAFFIC SIGNAL 5-14 AWG, AND ELECTRICAL WIRE TRAFFIC SIGNAL 10 AWG ARE INCIDENTAL TO SPV.0060.025 FOR RELOCATED FLASHER UNIT

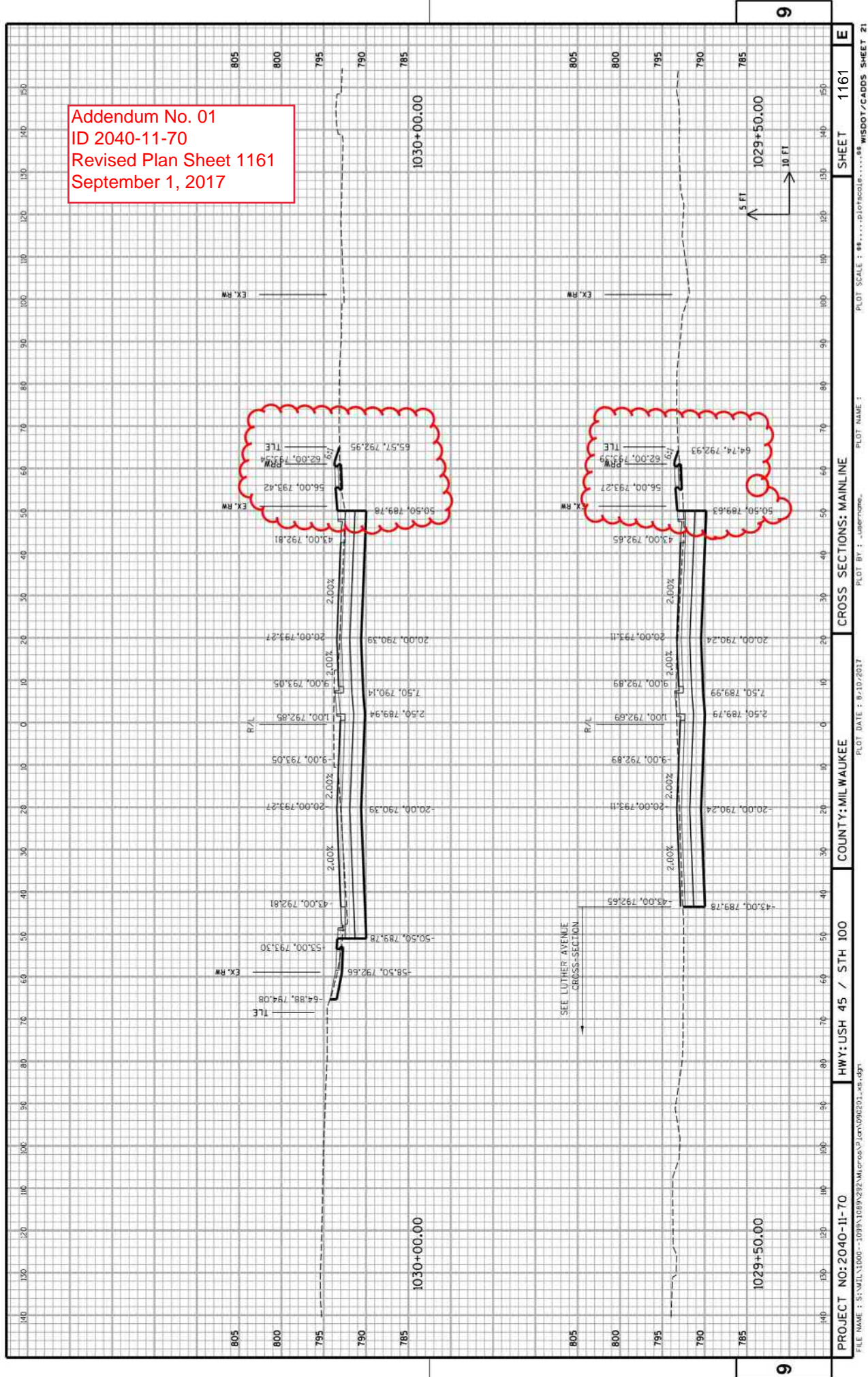
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 793
September 1, 2017



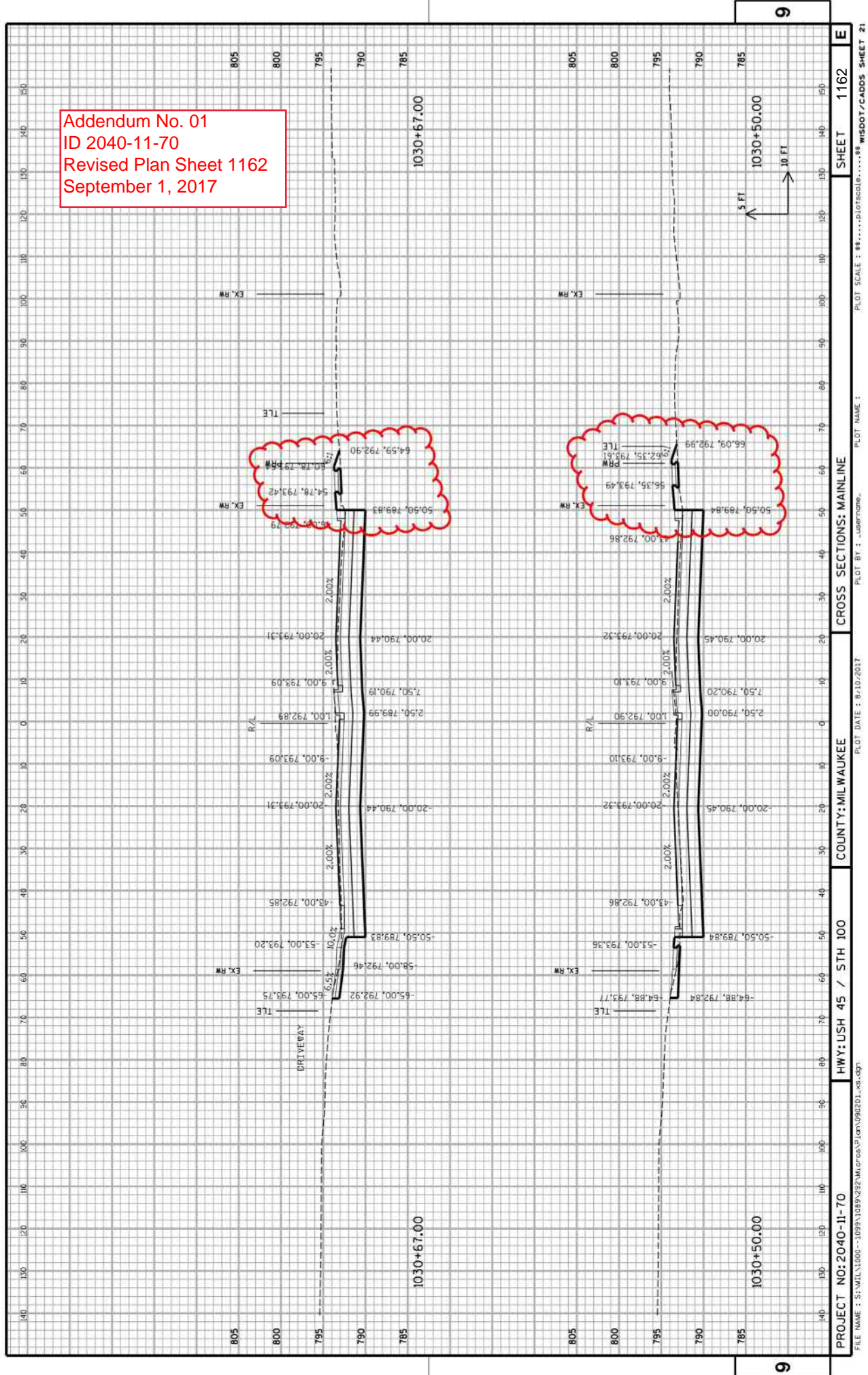
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1159
September 1, 2017



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1161
September 1, 2017



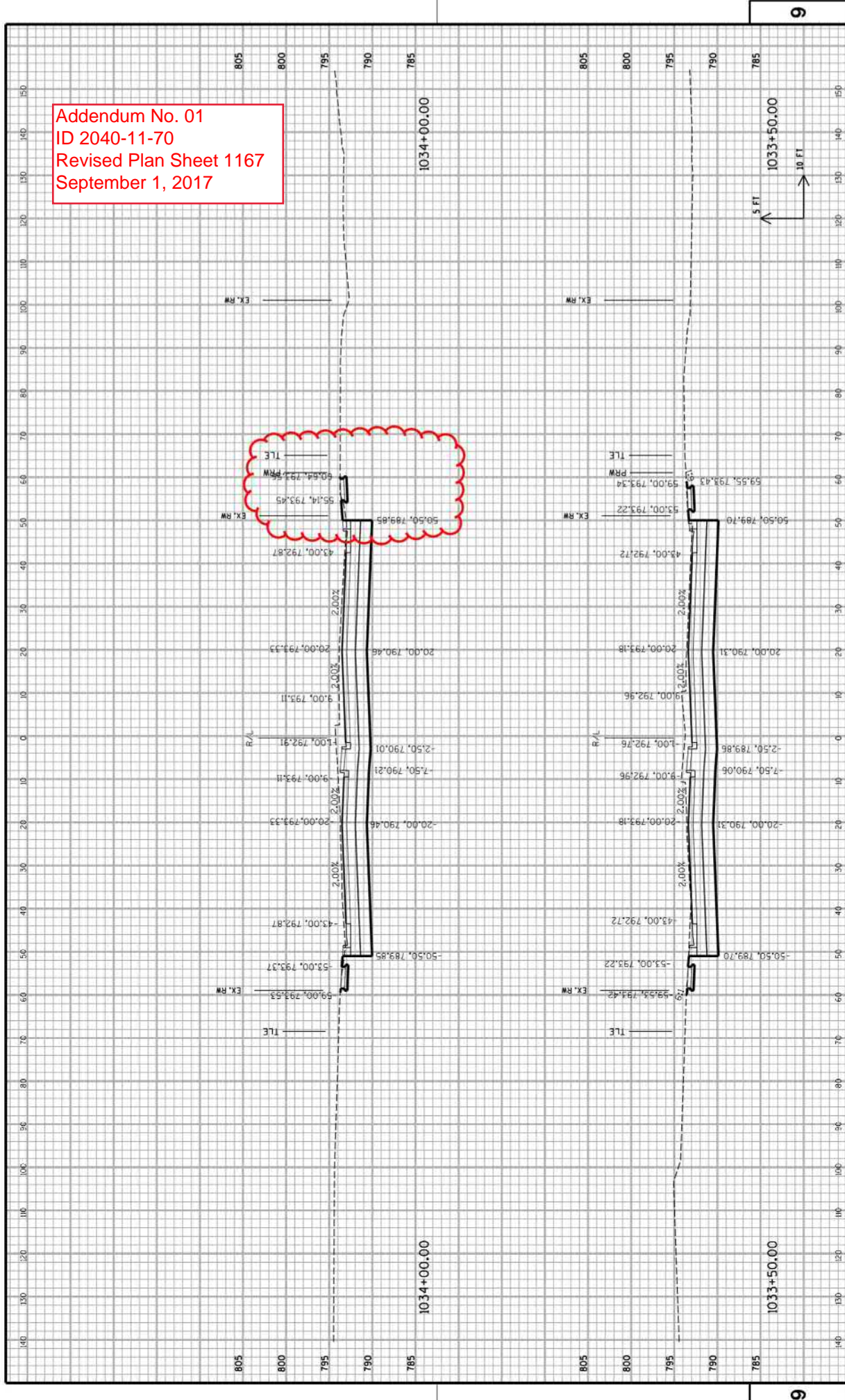
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1162
September 1, 2017



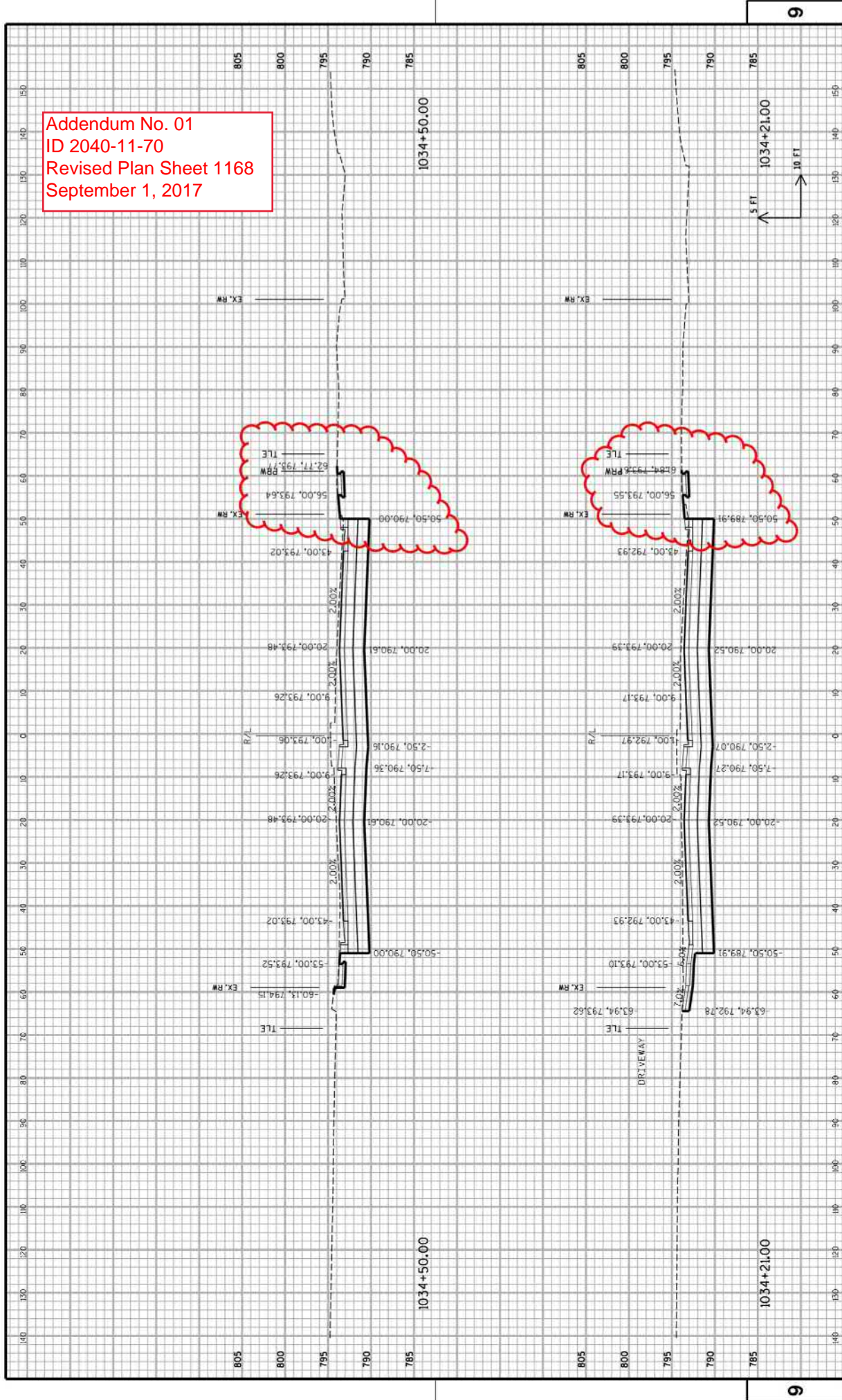
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1166
September 1, 2017

PROJECT NO: 2040-11-70	HWY: USH 45 / STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: MAINLINE	SHEET 1166
FILE NAME : S:\MILW1000\2040-11-70\2040-11-70\MAINLINE\CS\1166.dgn PLOT DATE : 8/10/2017 PLOT BY : jusserrone PLOT NAME : PLOT SCALE : 88.....plot scale.....88 WISDOT/CADDIS SHEET 21				

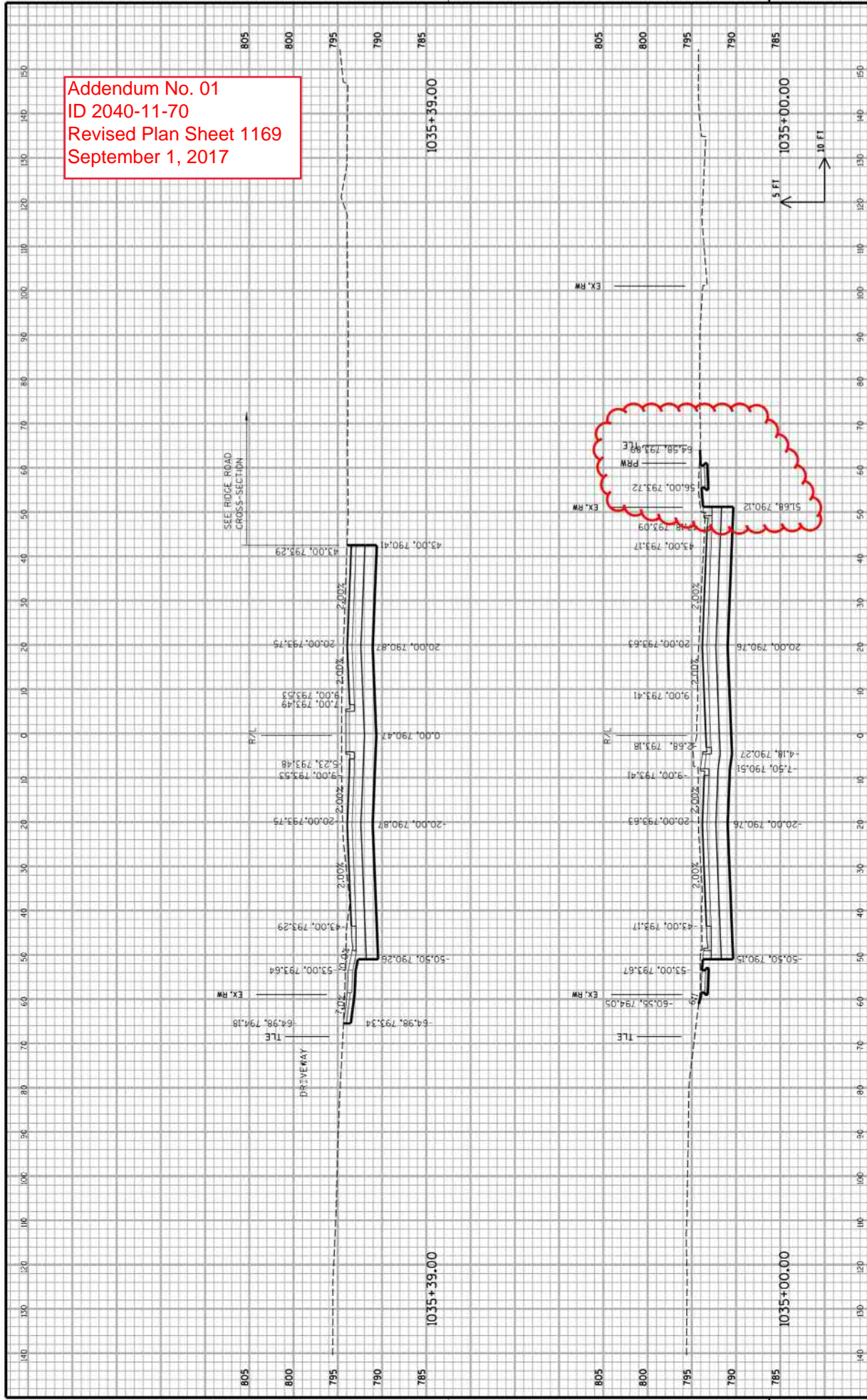
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1167
September 1, 2017

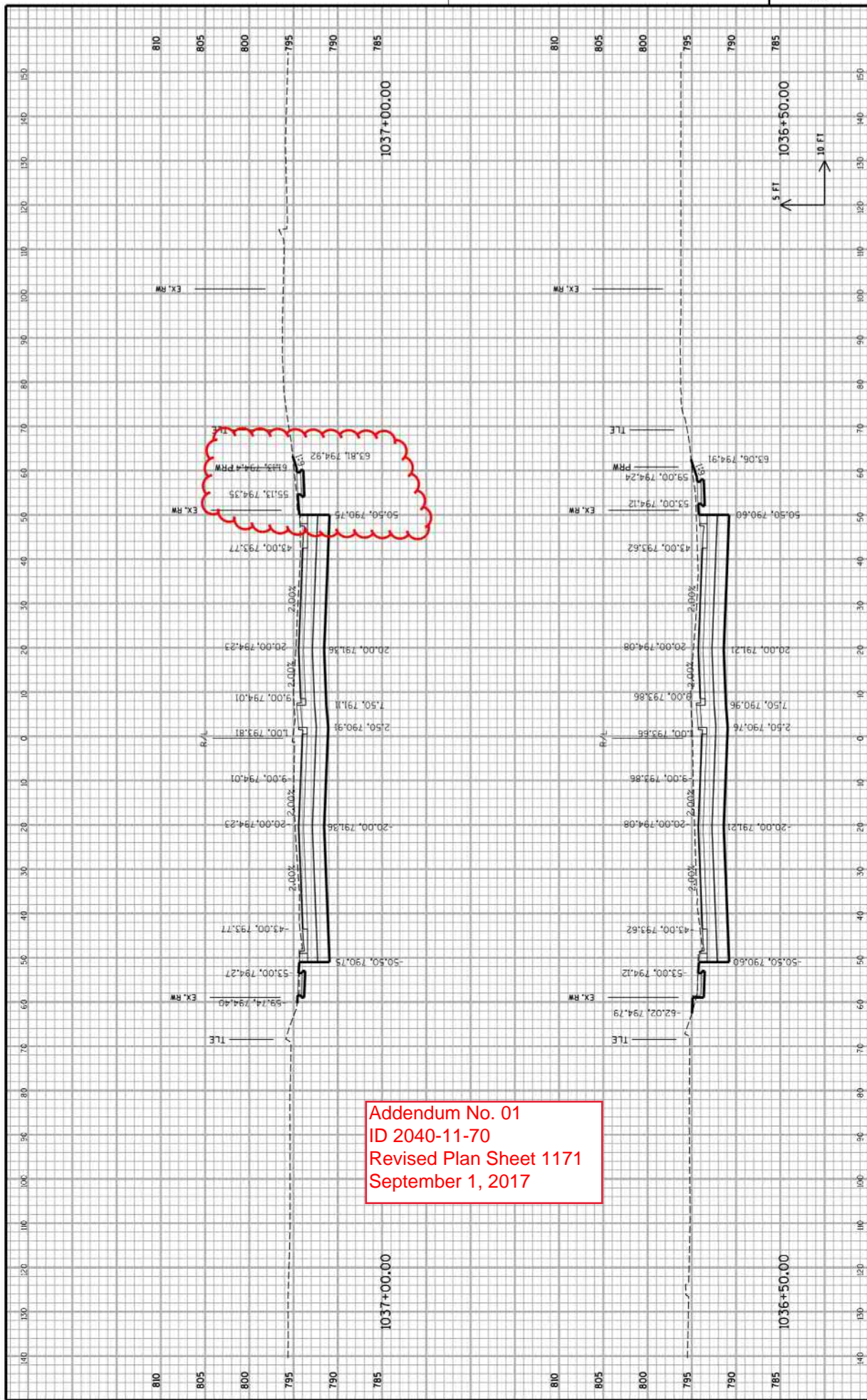


Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1168
September 1, 2017

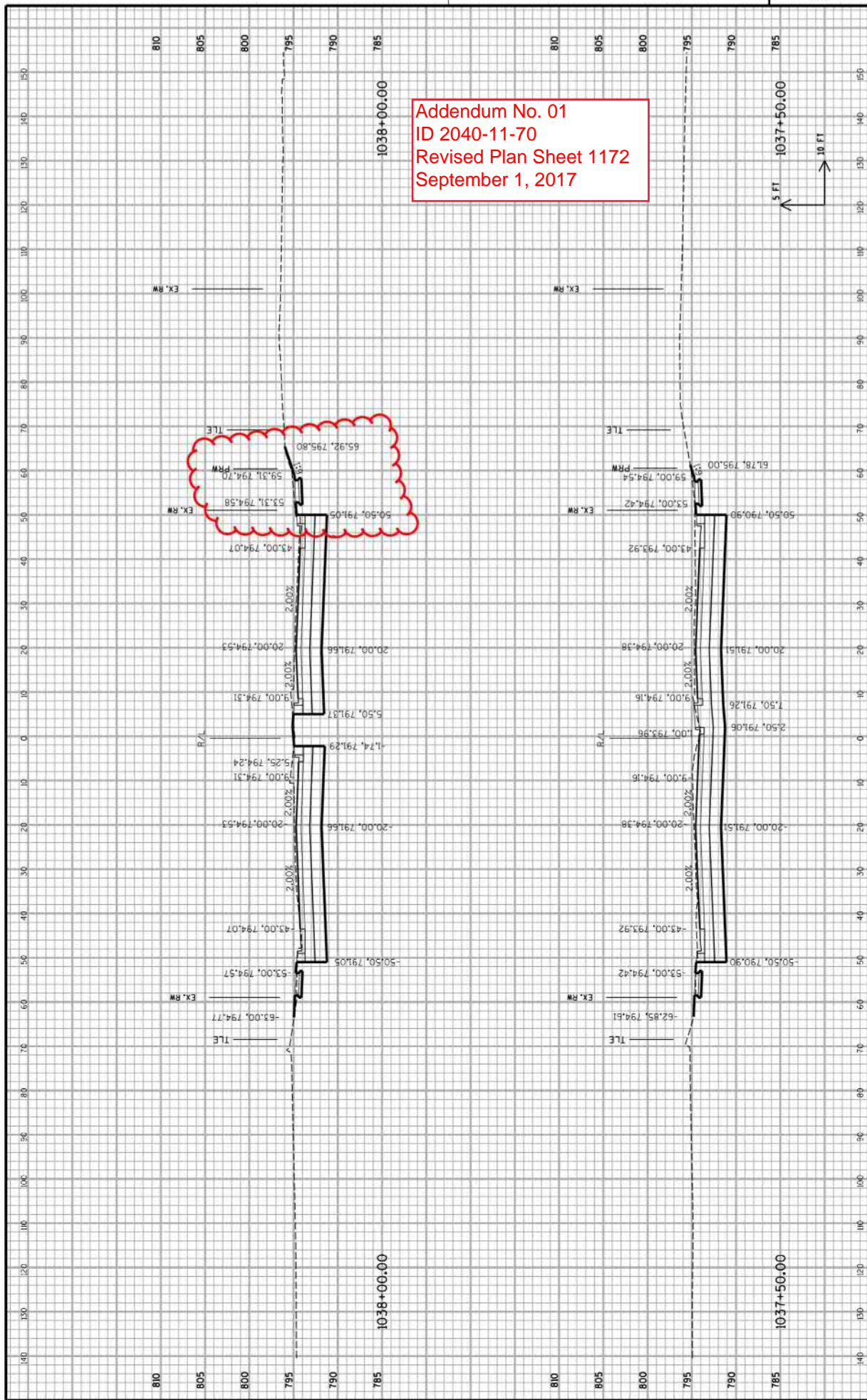


Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1169
September 1, 2017

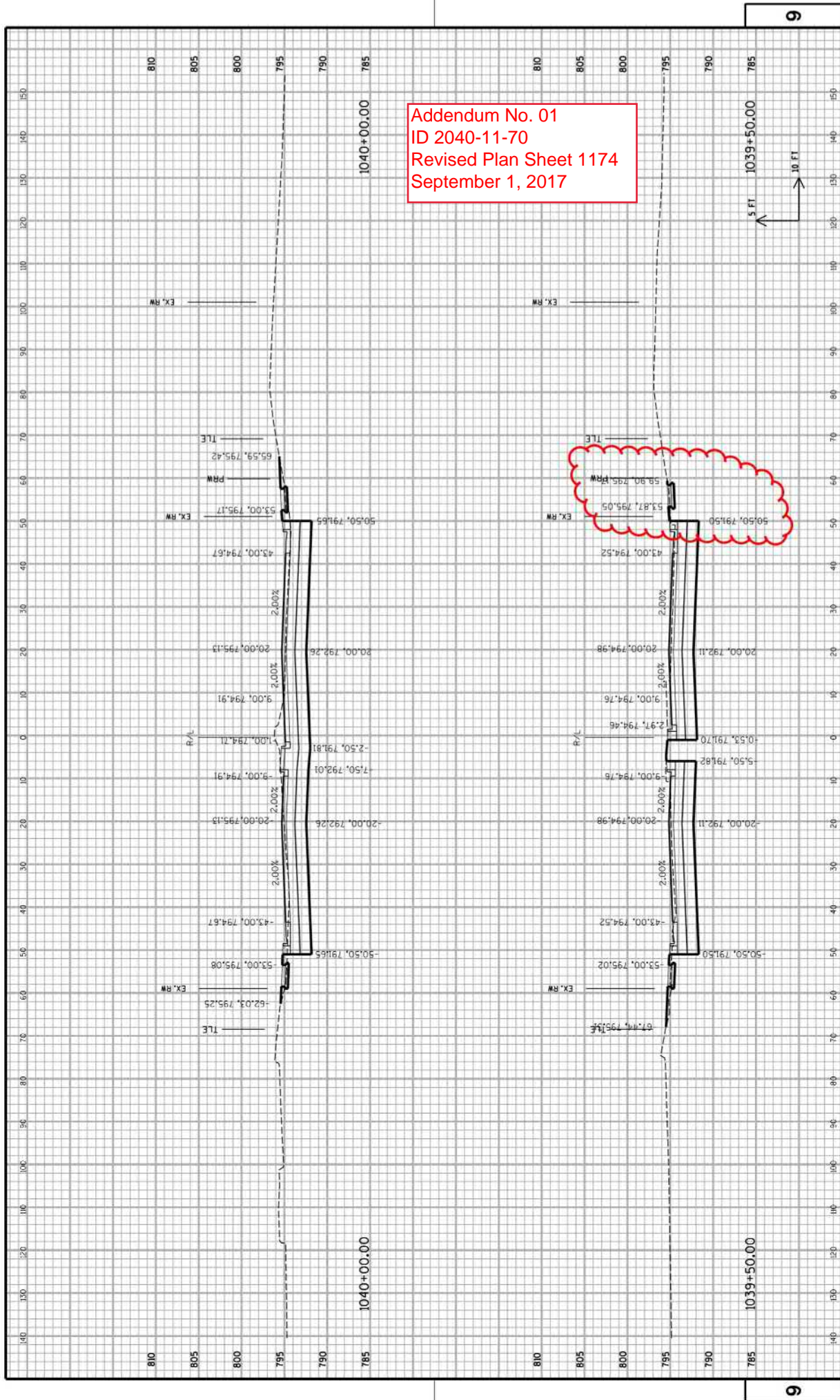




Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1171
September 1, 2017



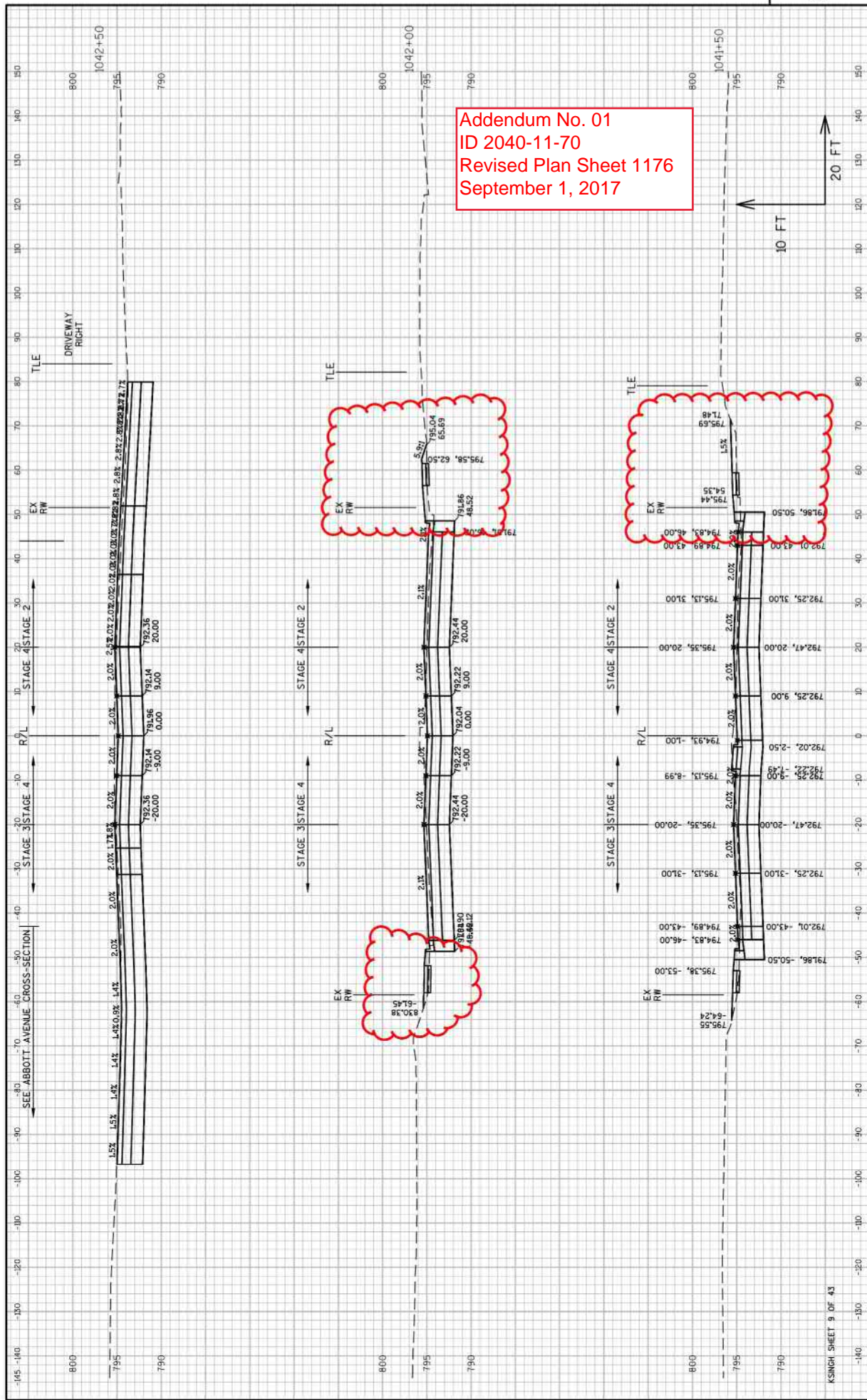
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1172
September 1, 2017



Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1174
September 1, 2017

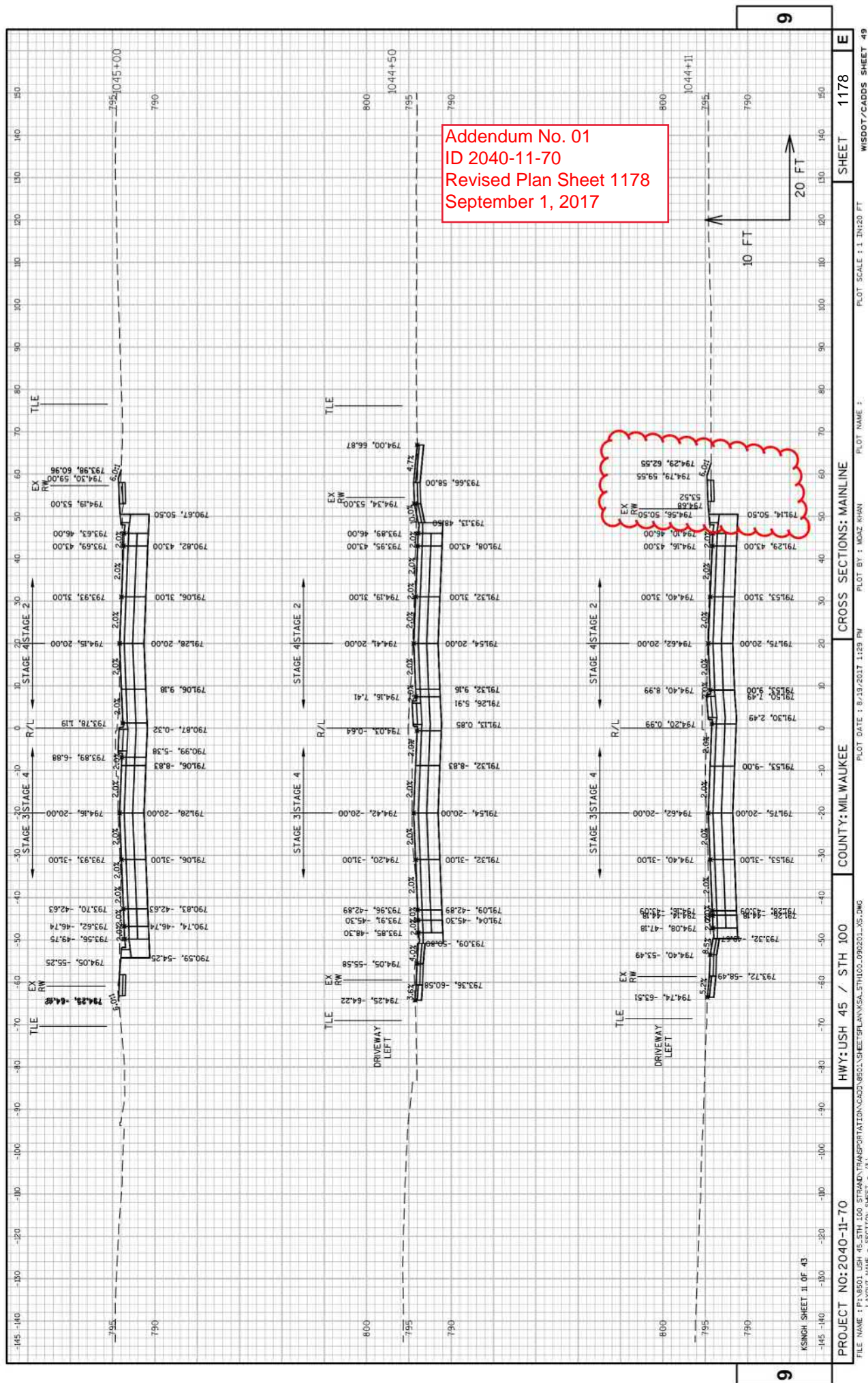
Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1175
September 1, 2017

PROJECT NO: 2040-II-70	HWY: USH 45 / STH 100	COUNTY: MILWAUKEE	CROSS SECTIONS: MAINLINE	SHEET 1175
FILE NAME : S:\MAIN\1000--1099\1099\282\Milwaukee\Jen\090201\ash.dgn PLOT DATE : 6/19/2017 PLOT BY : usernone PLOT NAME : PLOT SCALE : 88.....88 WSDOT/CADDs SHEET 21				





Addendum No. 01
ID 2040-11-70
Revised Plan Sheet 1177
September 1, 2017





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Proposal ID: 20170912005 Project(s): 2040-11-70

Federal ID(s): WISC 2017452

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0105 Clearing	55.000 STA	_____.	_____.
0004	201.0120 Clearing	121.000 ID	_____.	_____.
0006	201.0205 Grubbing	46.000 STA	_____.	_____.
0008	201.0220 Grubbing	105.000 ID	_____.	_____.
0010	203.0200 Removing Old Structure (station) 001. 989+45	LS	LUMP SUM	_____.
0012	203.0210.S Abatement of Asbestos Containing Material (structure) 001. B-40-408	LS	LUMP SUM	_____.
0014	204.0100 Removing Pavement	125,249.000 SY	_____.	_____.
0016	204.0109.S Removing Concrete Surface Partial Depth	9,080.000 SF	_____.	_____.
0018	204.0110 Removing Asphaltic Surface	117.000 SY	_____.	_____.
0020	204.0150 Removing Curb & Gutter	20,511.000 LF	_____.	_____.
0022	204.0155 Removing Concrete Sidewalk	10,360.000 SY	_____.	_____.
0024	204.0165 Removing Guardrail	93.000 LF	_____.	_____.
0026	204.0170 Removing Fence	1,115.000 LF	_____.	_____.
0028	204.0195 Removing Concrete Bases	208.000 EACH	_____.	_____.
0030	204.0210 Removing Manholes	40.000 EACH	_____.	_____.
0032	204.0215 Removing Catch Basins	4.000 EACH	_____.	_____.



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Proposal ID: 20170912005 Project(s): 2040-11-70

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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	204.0220 Removing Inlets	190.000 EACH	_____.	_____.
0036	204.0245 Removing Storm Sewer (size) 001. 6-Inch	30.000 LF	_____.	_____.
0038	204.0245 Removing Storm Sewer (size) 002. 8-Inch	39.000 LF	_____.	_____.
0040	204.0245 Removing Storm Sewer (size) 003. 12-Inch	5,415.000 LF	_____.	_____.
0042	204.0245 Removing Storm Sewer (size) 004. 15-Inch	1,507.000 LF	_____.	_____.
0044	204.0245 Removing Storm Sewer (size) 005. 18-Inch	1,442.000 LF	_____.	_____.
0046	204.0245 Removing Storm Sewer (size) 006. 24-Inch	1,443.000 LF	_____.	_____.
0048	204.0245 Removing Storm Sewer (size) 007. 30-Inch	108.000 LF	_____.	_____.
0050	204.0245 Removing Storm Sewer (size) 008. 36-Inch	944.000 LF	_____.	_____.
0052	204.0245 Removing Storm Sewer (size) 009. 42-Inch	386.000 LF	_____.	_____.
0054	204.0245 Removing Storm Sewer (size) 010. 48-Inch	3,322.000 LF	_____.	_____.
0056	204.0245 Removing Storm Sewer (size) 011. 66-Inch	3,964.000 LF	_____.	_____.
0058	204.0250 Abandoning Manholes	2.000 EACH	_____.	_____.
0060	204.0291.S Abandoning Sewer	0.900 CY	_____.	_____.



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Proposal ID: 20170912005 Project(s): 2040-11-70

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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	204.9060.S Removing (item description) 001. Existing Light Poles	13.000 EACH	_____.	_____.
0064	205.0100 Excavation Common	148,902.000 CY	_____.	_____.
0066	205.0200 Excavation Rock	33.000 CY	_____.	_____.
0068	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	10,158.000 TON	_____.	_____.
0070	206.2000 Excavation for Structures Culverts (structure) 001. B-40-408	LS	LUMP SUM	_____.
0072	209.1100 Backfill Granular Grade 1	13,870.000 CY	_____.	_____.
0074	210.1100 Backfill Structure Type A	595.000 CY	_____.	_____.
0076	211.0500 Prepare Foundation for Base Aggregate	95.000 STA	_____.	_____.
0078	213.0100 Finishing Roadway (project) 001. 2040- 11-70	1.000 EACH	_____.	_____.
0080	305.0110 Base Aggregate Dense 3/4-Inch	16.000 TON	_____.	_____.
0082	305.0120 Base Aggregate Dense 1 1/4-Inch	124,276.000 TON	_____.	_____.
0084	310.0110 Base Aggregate Open-Graded	155.000 TON	_____.	_____.
0086	311.0110 Breaker Run	122,548.000 TON	_____.	_____.
0088	371.1000.S QMP Base Aggregate Dense 1 1/4-Inch Compaction	104,470.000 TON	_____.	_____.
0090	405.0100 Coloring Concrete WisDOT Red	231.000 CY	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0092	405.1000 Stamping Colored Concrete	815.000 CY	_____.	_____.
0094	415.0080 Concrete Pavement 8-Inch	2,654.000 SY	_____.	_____.
0096	416.0160 Concrete Driveway 6-Inch	2,746.000 SY	_____.	_____.
0098	416.0260 Concrete Driveway HES 6-Inch	52.000 SY	_____.	_____.
0100	416.0512 Concrete Truck Apron 12-Inch	428.000 SY	_____.	_____.
0102	440.4410 Incentive IRI Ride	30,000.000 DOL		_____.
0104	450.4000 HMA Cold Weather Paving	1,308.000 TON	_____.	_____.
0106	455.0605 Tack Coat	16,238.000 GAL	_____.	_____.
0108	460.2000 Incentive Density HMA Pavement	35,500.000 DOL	1.00000	35,500.00
0110	460.6223 HMA Pavement 3 MT 58-28 S	33,488.000 TON	_____.	_____.
0112	460.6424 HMA Pavement 4 MT 58-28 H	14,910.000 TON	_____.	_____.
0114	465.0105 Asphaltic Surface	34.000 TON	_____.	_____.
0116	465.0110 Asphaltic Surface Patching	100.000 TON	_____.	_____.
0118	465.0120 Asphaltic Surface Driveways and Field Entrances	144.000 TON	_____.	_____.
0120	465.0125 Asphaltic Surface Temporary	6,868.000 TON	_____.	_____.
0122	465.0310 Asphaltic Curb	500.000 LF	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0124	465.0315 Asphaltic Flumes	7.500 SY	_____.	_____.
0126	495.1000.S Cold patch	10.000 TON	_____.	_____.
0128	502.0100 Concrete Masonry Bridges	5.000 CY	_____.	_____.
0130	502.3200 Protective Surface Treatment	70.000 SY	_____.	_____.
0132	502.3210 Pigmented Surface Sealer	87.000 SY	_____.	_____.
0134	504.0100 Concrete Masonry Culverts	65.000 CY	_____.	_____.
0136	504.0500 Concrete Masonry Retaining Walls	162.000 CY	_____.	_____.
0138	505.0400 Bar Steel Reinforcement HS Structures	13,538.000 LB	_____.	_____.
0140	505.0600 Bar Steel Reinforcement HS Coated Structures	12,710.000 LB	_____.	_____.
0142	509.0500 Cleaning Decks	40.000 SY	_____.	_____.
0144	509.2500 Concrete Masonry Overlay Decks	1.500 CY	_____.	_____.
0146	511.1200 Temporary Shoring (structure) 001. B-40-408	1,383.000 SF	_____.	_____.
0148	513.2001 Railing Pipe (structure) 001. Concrete Steps	20.000 LF	_____.	_____.
0150	513.7006 Railing Steel Type C1 (structure) 001. B-40-408	195.000 LF	_____.	_____.
0152	516.0500 Rubberized Membrane Waterproofing	70.000 SY	_____.	_____.
0154	520.8000 Concrete Collars for Pipe	101.000 EACH	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0156	522.1012 Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	1.000 EACH	_____.	_____.
0158	601.0407 Concrete Curb & Gutter 18-Inch Type D	16,262.000 LF	_____.	_____.
0160	601.0411 Concrete Curb & Gutter 30-Inch Type D	27,532.000 LF	_____.	_____.
0162	601.0452 Concrete Curb & Gutter Integral 30-Inch Type D	8,118.000 LF	_____.	_____.
0164	601.0582 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type T	361.000 LF	_____.	_____.
0166	601.0600 Concrete Curb Pedestrian	1,600.000 LF	_____.	_____.
0168	602.0410 Concrete Sidewalk 5-Inch	195,767.000 SF	_____.	_____.
0170	602.0420 Concrete Sidewalk 7-Inch	315.000 SF	_____.	_____.
0172	602.0505 Curb Ramp Detectable Warning Field Yellow	1,664.000 SF	_____.	_____.
0174	602.1500 Concrete Steps	104.000 SF	_____.	_____.
0176	603.8000 Concrete Barrier Temporary Precast Delivered	65.000 LF	_____.	_____.
0178	603.8125 Concrete Barrier Temporary Precast Installed	65.000 LF	_____.	_____.
0180	606.0300 Riprap Heavy	57.000 CY	_____.	_____.
0182	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	5,301.000 LF	_____.	_____.
0184	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	1,733.000 LF	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0186	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	1,416.000 LF	_____.	_____.
0188	608.0321 Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	120.000 LF	_____.	_____.
0190	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	1,746.000 LF	_____.	_____.
0192	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	484.000 LF	_____.	_____.
0194	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	169.000 LF	_____.	_____.
0196	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	531.000 LF	_____.	_____.
0198	608.0348 Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	3,354.000 LF	_____.	_____.
0200	608.0354 Storm Sewer Pipe Reinforced Concrete Class III 54-Inch	108.000 LF	_____.	_____.
0202	608.0360 Storm Sewer Pipe Reinforced Concrete Class III 60-Inch	1,339.000 LF	_____.	_____.
0204	608.0366 Storm Sewer Pipe Reinforced Concrete Class III 66-Inch	3,684.000 LF	_____.	_____.
0206	608.0372 Storm Sewer Pipe Reinforced Concrete Class III 72-Inch	526.000 LF	_____.	_____.
0208	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	578.000 LF	_____.	_____.
0210	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	406.000 LF	_____.	_____.



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Proposal ID: 20170912005 Project(s): 2040-11-70

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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0212	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	92.000 LF	_____.	_____.
0214	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	385.000 LF	_____.	_____.
0216	608.0436 Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	217.000 LF	_____.	_____.
0218	608.0448 Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	81.000 LF	_____.	_____.
0220	611.0530 Manhole Covers Type J	4.000 EACH	_____.	_____.
0222	611.0535 Manhole Covers Type J-Special	84.000 EACH	_____.	_____.
0224	611.0624 Inlet Covers Type H	273.000 EACH	_____.	_____.
0226	611.0639 Inlet Covers Type H-S	38.000 EACH	_____.	_____.
0228	611.0642 Inlet Covers Type MS	9.000 EACH	_____.	_____.
0230	611.0652 Inlet Covers Type T	3.000 EACH	_____.	_____.
0232	611.2003 Manholes 3-FT Diameter	3.000 EACH	_____.	_____.
0234	611.2004 Manholes 4-FT Diameter	17.000 EACH	_____.	_____.
0236	611.2005 Manholes 5-FT Diameter	11.000 EACH	_____.	_____.
0238	611.2006 Manholes 6-FT Diameter	6.000 EACH	_____.	_____.
0240	611.2007 Manholes 7-FT Diameter	26.000 EACH	_____.	_____.
0242	611.2008 Manholes 8-FT Diameter	16.000 EACH	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0244	611.3004 Inlets 4-FT Diameter	43.000 EACH	_____.	_____.
0246	611.3230 Inlets 2x3-FT	263.000 EACH	_____.	_____.
0248	611.3253 Inlets 2.5x3-FT	2.000 EACH	_____.	_____.
0250	611.3901 Inlets Median 1 Grate	9.000 EACH	_____.	_____.
0252	611.8110 Adjusting Manhole Covers	9.000 EACH	_____.	_____.
0254	611.8115 Adjusting Inlet Covers	3.000 EACH	_____.	_____.
0256	611.8120.S Cover Plates Temporary	104.000 EACH	_____.	_____.
0258	611.9900.S Drain Slotted Vane	5.000 EACH	_____.	_____.
0260	612.0106 Pipe Underdrain 6-Inch	2,200.000 LF	_____.	_____.
0262	612.0406 Pipe Underdrain Wrapped 6-Inch	115.000 LF	_____.	_____.
0264	612.0700 Drain Tile Exploration	100.000 LF	_____.	_____.
0266	614.0150 Anchor Assemblies for Steel Plate Beam Guard	4.000 EACH	_____.	_____.
0268	614.0905 Crash Cushions Temporary	1.000 EACH	_____.	_____.
0270	614.2300 MGS Guardrail 3	13.000 LF	_____.	_____.
0272	614.2500 MGS Thrie Beam Transition	40.000 LF	_____.	_____.
0274	614.2610 MGS Guardrail Terminal EAT	1.000 EACH	_____.	_____.



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Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0278	616.0700.S Fence Safety	123.000 LF	_____.	_____.
0280	619.1000 Mobilization	1.000 EACH	_____.	_____.
0282	620.0200 Concrete Median Blunt Nose	2,327.000 SF	_____.	_____.
0284	620.0300 Concrete Median Sloped Nose	673.000 SF	_____.	_____.
0286	624.0100 Water	557.000 MGAL	_____.	_____.
0288	625.0100 Topsoil	31,659.000 SY	_____.	_____.
0290	627.0200 Mulching	20,038.000 SY	_____.	_____.
0292	628.1104 Erosion Bales	24.000 EACH	_____.	_____.
0294	628.1504 Silt Fence	3,933.000 LF	_____.	_____.
0296	628.1520 Silt Fence Maintenance	4,113.000 LF	_____.	_____.
0298	628.1905 Mobilizations Erosion Control	15.000 EACH	_____.	_____.
0300	628.1910 Mobilizations Emergency Erosion Control	20.000 EACH	_____.	_____.
0302	628.2006 Erosion Mat Urban Class I Type A	16,096.000 SY	_____.	_____.
0304	628.2008 Erosion Mat Urban Class I Type B	500.000 SY	_____.	_____.
0306	628.7005 Inlet Protection Type A	352.000 EACH	_____.	_____.
0308	628.7020 Inlet Protection Type D	453.000 EACH	_____.	_____.
0310	628.7504 Temporary Ditch Checks	48.000 LF	_____.	_____.



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Contract Items

Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0312	628.7555 Culvert Pipe Checks	3.000 EACH	_____.	_____.
0314	628.7560 Tracking Pads	8.000 EACH	_____.	_____.
0316	629.0210 Fertilizer Type B	249.000 CWT	_____.	_____.
0318	630.0130 Seeding Mixture No. 30	696.000 LB	_____.	_____.
0320	630.0200 Seeding Temporary	409.000 LB	_____.	_____.
0322	634.0618 Posts Wood 4x6-Inch X 18-FT	295.000 EACH	_____.	_____.
0324	634.0622 Posts Wood 4x6-Inch X 22-FT	8.000 EACH	_____.	_____.
0326	634.0814 Posts Tubular Steel 2x2-Inch X 14-FT	133.000 EACH	_____.	_____.
0328	637.1220 Signs Type I Reflective SH	189.000 SF	_____.	_____.
0330	637.2210 Signs Type II Reflective H	3,793.945 SF	_____.	_____.
0332	637.2215 Signs Type II Reflective H Folding	402.840 SF	_____.	_____.
0334	637.2230 Signs Type II Reflective F	788.750 SF	_____.	_____.
0336	638.2102 Moving Signs Type II	25.000 EACH	_____.	_____.
0338	638.2601 Removing Signs Type I	4.000 EACH	_____.	_____.
0340	638.2602 Removing Signs Type II	337.000 EACH	_____.	_____.
0342	638.3000 Removing Small Sign Supports	308.000 EACH	_____.	_____.



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Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0344	641.8100 Overhead Sign Support (structure) 001. S-40-3000	LS	LUMP SUM	_____.
0346	641.8100 Overhead Sign Support (structure) 002. S-40-3001	LS	LUMP SUM	_____.
0348	641.8100 Overhead Sign Support (structure) 003. S-40-3002	LS	LUMP SUM	_____.
0350	641.8100 Overhead Sign Support (structure) 004. S-40-3003	LS	LUMP SUM	_____.
0352	642.5401 Field Office Type D	1.000 EACH	_____.	_____.
0354	643.0100 Traffic Control (project) 001. 2040-11-70	1.000 EACH	_____.	_____.
0356	643.0300 Traffic Control Drums	451,015.000 DAY	_____.	_____.
0358	643.0420 Traffic Control Barricades Type III	137,585.000 DAY	_____.	_____.
0360	643.0500 Traffic Control Flexible Tubular Marker Posts	1,259.000 EACH	_____.	_____.
0362	643.0600 Traffic Control Flexible Tubular Marker Bases	1,259.000 EACH	_____.	_____.
0364	643.0705 Traffic Control Warning Lights Type A	148,622.000 DAY	_____.	_____.
0366	643.0715 Traffic Control Warning Lights Type C	107,161.000 DAY	_____.	_____.
0368	643.0800 Traffic Control Arrow Boards	2,640.000 DAY	_____.	_____.
0370	643.0900 Traffic Control Signs	141,749.000 DAY	_____.	_____.
0372	643.0920 Traffic Control Covering Signs Type II	70.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0374	643.1000 Traffic Control Signs Fixed Message	402.000 SF	_____.	_____.
0376	643.1050 Traffic Control Signs PCMS	2,558.000 DAY	_____.	_____.
0378	644.1410.S Temporary Pedestrian Surface Asphalt	6,015.000 SF	_____.	_____.
0380	644.1601.S Temporary Curb Ramp	10.000 EACH	_____.	_____.
0382	644.1616.S Temporary Pedestrian Safety Fence	685.000 LF	_____.	_____.
0384	645.0111 Geotextile Type DF Schedule A	978.000 SY	_____.	_____.
0386	645.0120 Geotextile Type HR	115.000 SY	_____.	_____.
0388	645.0135 Geotextile Type SR	15,700.000 SY	_____.	_____.
0390	646.0106 Pavement Marking Epoxy 4-Inch	39,782.000 LF	_____.	_____.
0392	646.0126 Pavement Marking Epoxy 8-Inch	12,418.000 LF	_____.	_____.
0394	646.0156 Pavement Marking Epoxy 18-Inch	93.000 LF	_____.	_____.
0396	646.0600 Removing Pavement Markings	26,034.000 LF	_____.	_____.
0398	646.0842.S Pavement Marking Grooved Contrast Wet Reflective Epoxy 4-Inch	11,990.000 LF	_____.	_____.
0400	647.0156 Pavement Marking Arrows Epoxy Type 1	4.000 EACH	_____.	_____.
0402	647.0160 Pavement Marking Arrows Epoxy Type 2R	2.000 EACH	_____.	_____.
0404	647.0166 Pavement Marking Arrows Epoxy Type 2	89.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0406	647.0170 Pavement Marking Arrows Epoxy Type 3R	1.000 EACH	_____.	_____.
0408	647.0176 Pavement Marking Arrows Epoxy Type 3	5.000 EACH	_____.	_____.
0410	647.0206 Pavement Marking Arrows Bike Lane Epoxy	2.000 EACH	_____.	_____.
0412	647.0306 Pavement Marking Symbols Bike Lane Epoxy	2.000 EACH	_____.	_____.
0414	647.0356 Pavement Marking Words Epoxy	43.000 EACH	_____.	_____.
0416	647.0456 Pavement Marking Curb Epoxy	952.000 LF	_____.	_____.
0418	647.0566 Pavement Marking Stop Line Epoxy 18-Inch	1,525.000 LF	_____.	_____.
0420	647.0606 Pavement Marking Island Nose Epoxy	29.000 EACH	_____.	_____.
0422	647.0653 Pavement Marking Parking Stall Paint	1,000.000 LF	_____.	_____.
0424	647.0726 Pavement Marking Diagonal Epoxy 12-Inch	134.000 LF	_____.	_____.
0426	647.0766 Pavement Marking Crosswalk Epoxy 6-Inch	2,475.000 LF	_____.	_____.
0428	647.0955 Removing Pavement Markings Arrows	16.000 EACH	_____.	_____.
0430	647.0965 Removing Pavement Markings Words	14.000 EACH	_____.	_____.
0432	649.0402 Temporary Pavement Marking Paint 4-Inch	77,602.000 LF	_____.	_____.
0434	649.0403 Temporary Pavement Marking Epoxy 4-Inch	65,565.000 LF	_____.	_____.



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0436	649.0802 Temporary Pavement Marking Paint 8-Inch	5,986.000 LF	_____.	_____.
0438	649.0803 Temporary Pavement Marking Epoxy 8-Inch	6,679.000 LF	_____.	_____.
0440	649.0900 Temporary Pavement Marking Stop Line 12-Inch	1,391.000 LF	_____.	_____.
0442	649.1802 Temporary Pavement Marking Arrows Paint	66.000 EACH	_____.	_____.
0444	649.2002 Temporary Pavement Marking Words Paint	35.000 EACH	_____.	_____.
0446	650.4000 Construction Staking Storm Sewer	413.000 EACH	_____.	_____.
0448	650.4500 Construction Staking Subgrade	16,094.000 LF	_____.	_____.
0450	650.5000 Construction Staking Base	16,094.000 LF	_____.	_____.
0452	650.5500 Construction Staking Curb Gutter and Curb & Gutter	52,128.000 LF	_____.	_____.
0454	650.8500 Construction Staking Electrical Installations (project) 001. 2040-11-70	LS	LUMP SUM	_____.
0456	650.9910 Construction Staking Supplemental Control (project) 001. 2040-11-70	LS	LUMP SUM	_____.
0458	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	21,060.000 LF	_____.	_____.
0460	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	16,380.000 LF	_____.	_____.
0462	652.0605 Conduit Special 2-Inch	178.000 LF	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0464	652.0700.S Install Conduit into Existing Item	10.000 EACH	_____.	_____.
0466	652.0800 Conduit Loop Detector	14,674.000 LF	_____.	_____.
0468	653.0135 Pull Boxes Steel 24x36-Inch	60.000 EACH	_____.	_____.
0470	653.0140 Pull Boxes Steel 24x42-Inch	126.000 EACH	_____.	_____.
0472	653.0905 Removing Pull Boxes	75.000 EACH	_____.	_____.
0474	654.0101 Concrete Bases Type 1	59.000 EACH	_____.	_____.
0476	654.0102 Concrete Bases Type 2	14.000 EACH	_____.	_____.
0478	654.0105 Concrete Bases Type 5	68.000 EACH	_____.	_____.
0480	654.0110 Concrete Bases Type 10	17.000 EACH	_____.	_____.
0482	654.0113 Concrete Bases Type 13	20.000 EACH	_____.	_____.
0484	654.0217 Concrete Control Cabinet Bases Type 9 Special	8.000 EACH	_____.	_____.
0486	654.0224 Concrete Control Cabinet Bases Type L24	6.000 EACH	_____.	_____.
0488	655.0230 Cable Traffic Signal 5-14 AWG	10,326.000 LF	_____.	_____.
0490	655.0240 Cable Traffic Signal 7-14 AWG	12,340.000 LF	_____.	_____.
0492	655.0260 Cable Traffic Signal 12-14 AWG	13,504.000 LF	_____.	_____.
0494	655.0270 Cable Traffic Signal 15-14 AWG	585.000 LF	_____.	_____.



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0496	655.0320 Cable Type UF 2-10 AWG Grounded	5,496.000 LF	_____.	_____.
0498	655.0515 Electrical Wire Traffic Signals 10 AWG	16,052.000 LF	_____.	_____.
0500	655.0610 Electrical Wire Lighting 12 AWG	37,564.000 LF	_____.	_____.
0502	655.0615 Electrical Wire Lighting 10 AWG	65,174.000 LF	_____.	_____.
0504	655.0620 Electrical Wire Lighting 8 AWG	45,312.000 LF	_____.	_____.
0506	655.0635 Electrical Wire Lighting 2 AWG	180.000 LF	_____.	_____.
0508	655.0700 Loop Detector Lead In Cable	53,795.000 LF	_____.	_____.
0510	655.0800 Loop Detector Wire	57,292.000 LF	_____.	_____.
0512	655.0900 Traffic Signal EVP Detector Cable	8,051.000 LF	_____.	_____.
0514	656.0200 Electrical Service Meter Breaker Pedestal (location) 001. College Avenue	LS	LUMP SUM	_____.
0516	656.0200 Electrical Service Meter Breaker Pedestal (location) 002. Forest Home Avenue	LS	LUMP SUM	_____.
0518	656.0200 Electrical Service Meter Breaker Pedestal (location) 003. Janesville Road	LS	LUMP SUM	_____.
0520	656.0200 Electrical Service Meter Breaker Pedestal (location) 004. Parnell Avenue	LS	LUMP SUM	_____.
0522	656.0200 Electrical Service Meter Breaker Pedestal (location) 005. Grange Avenue	LS	LUMP SUM	_____.
0524	656.0200 Electrical Service Meter Breaker Pedestal (location) 006. Abbott Avenue	LS	LUMP SUM	_____.



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0526	656.0200 Electrical Service Meter Breaker Pedestal (location) 007. Edgerton Avenue	LS	LUMP SUM	_____.
0528	656.0200 Electrical Service Meter Breaker Pedestal (location) 008. IH-43 NB Ramps	LS	LUMP SUM	_____.
0530	656.0200 Electrical Service Meter Breaker Pedestal (location) 009. Whitnall Park Dr. - Lighting	LS	LUMP SUM	_____.
0532	656.0200 Electrical Service Meter Breaker Pedestal (location) 010. Whitnall Park Dr. Ped Lighting	LS	LUMP SUM	_____.
0534	656.0200 Electrical Service Meter Breaker Pedestal (location) 011. Parnell Avenue - Lighting	LS	LUMP SUM	_____.
0536	656.0200 Electrical Service Meter Breaker Pedestal (location) 012. Copeland Avenue - Lighting	LS	LUMP SUM	_____.
0538	656.0200 Electrical Service Meter Breaker Pedestal (location) 013. Edgerton Avenue - Lighting	LS	LUMP SUM	_____.
0540	656.0200 Electrical Service Meter Breaker Pedestal (location) 014. Roundabout - Lighting	LS	LUMP SUM	_____.
0542	657.0100 Pedestal Bases	62.000 EACH	_____.	_____.
0544	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	20.000 EACH	_____.	_____.
0546	657.0310 Poles Type 3	10.000 EACH	_____.	_____.
0548	657.0322 Poles Type 5-Aluminum	10.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0550	657.0405 Traffic Signal Standards Aluminum 3.5-FT	3.000 EACH	_____.	_____.
0552	657.0420 Traffic Signal Standards Aluminum 13-FT	21.000 EACH	_____.	_____.
0554	657.0425 Traffic Signal Standards Aluminum 15-FT	14.000 EACH	_____.	_____.
0556	657.0430 Traffic Signal Standards Aluminum 10-FT	24.000 EACH	_____.	_____.
0558	657.0609 Luminaire Arms Single Member 4-Inch Clamp 6-FT	23.000 EACH	_____.	_____.
0560	657.0714 Luminaire Arms Truss Type 4-Inch Clamp 15-FT	7.000 EACH	_____.	_____.
0562	657.1345 Install Poles Type 9	1.000 EACH	_____.	_____.
0564	657.1350 Install Poles Type 10	16.000 EACH	_____.	_____.
0566	657.1355 Install Poles Type 12	13.000 EACH	_____.	_____.
0568	657.1360 Install Poles Type 13	7.000 EACH	_____.	_____.
0570	657.1515 Install Monotube Arms 15-FT	8.000 EACH	_____.	_____.
0572	657.1520 Install Monotube Arms 20-FT	2.000 EACH	_____.	_____.
0574	657.1525 Install Monotube Arms 25-FT	2.000 EACH	_____.	_____.
0576	657.1530 Install Monotube Arms 30-FT	5.000 EACH	_____.	_____.
0578	657.1535 Install Monotube Arms 35-FT	2.000 EACH	_____.	_____.
0580	657.1540 Install Monotube Arms 40-FT	3.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0582	657.1545 Install Monotube Arms 45-FT	4.000 EACH	_____.	_____.
0584	657.1550 Install Monotube Arms 50-FT	7.000 EACH	_____.	_____.
0586	657.1555 Install Monotube Arms 55-FT	4.000 EACH	_____.	_____.
0588	657.1815 Install Luminaire Arms Steel 15-FT	32.000 EACH	_____.	_____.
0590	658.0110 Traffic Signal Face 3-12 Inch Vertical	121.000 EACH	_____.	_____.
0592	658.0115 Traffic Signal Face 4-12 Inch Vertical	34.000 EACH	_____.	_____.
0594	658.0215 Backplates Signal Face 3 Section 12-Inch	121.000 EACH	_____.	_____.
0596	658.0220 Backplates Signal Face 4 Section 12-Inch	34.000 EACH	_____.	_____.
0598	658.0416 Pedestrian Signal Face 16-Inch	98.000 EACH	_____.	_____.
0600	658.0500 Pedestrian Push Buttons	79.000 EACH	_____.	_____.
0602	658.0600 Led Modules 12-Inch Red Ball	109.000 EACH	_____.	_____.
0604	658.0605 Led Modules 12-Inch Yellow Ball	112.000 EACH	_____.	_____.
0606	658.0610 Led Modules 12-Inch Green Ball	109.000 EACH	_____.	_____.
0608	658.0615 Led Modules 12-Inch Red Arrow	47.000 EACH	_____.	_____.
0610	658.0620 Led Modules 12-Inch Yellow Arrow	81.000 EACH	_____.	_____.
0612	658.0625 Led Modules 12-Inch Green Arrow	47.000 EACH	_____.	_____.



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0614	658.0635 Led Modules Pedestrian Countdown Timer 16-Inch	98.000 EACH	_____.	_____.
0616	658.5069 Signal Mounting Hardware (location) 001. College Avenue	LS	LUMP SUM	_____.
0618	658.5069 Signal Mounting Hardware (location) 002. Forest Home Avenue	LS	LUMP SUM	_____.
0620	658.5069 Signal Mounting Hardware (location) 003. Janesville Road	LS	LUMP SUM	_____.
0622	658.5069 Signal Mounting Hardware (location) 004. Parnell Avenue	LS	LUMP SUM	_____.
0624	658.5069 Signal Mounting Hardware (location) 005. Grange Avenue	LS	LUMP SUM	_____.
0626	658.5069 Signal Mounting Hardware (location) 006. Abbott Avenue	LS	LUMP SUM	_____.
0628	658.5069 Signal Mounting Hardware (location) 007. Edgerton Avenue	LS	LUMP SUM	_____.
0630	658.5069 Signal Mounting Hardware (location) 008. IH-43 NB Ramps	LS	LUMP SUM	_____.
0632	659.1125 Luminaires Utility LED C	62.000 EACH	_____.	_____.
0634	659.2124 Lighting Control Cabinets 120/240 24-Inch	6.000 EACH	_____.	_____.
0636	661.0200 Temporary Traffic Signals for Intersections (location) 001. Forest Home Avenue	LS	LUMP SUM	_____.
0638	661.0200 Temporary Traffic Signals for Intersections (location) 002. Janesville Road	LS	LUMP SUM	_____.



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0640	661.0200 Temporary Traffic Signals for Intersections (location) 003. Grange Avenue	LS	LUMP SUM	_____.
0642	661.0200 Temporary Traffic Signals for Intersections (location) 004. Edgerton Avenue	LS	LUMP SUM	_____.
0644	670.0100 Field System Integrator	LS	LUMP SUM	_____.
0646	670.0200 ITS Documentation	LS	LUMP SUM	_____.
0648	671.0132 Conduit HDPE 3-Duct 2-Inch	9,335.000 LF	_____.	_____.
0650	673.0105 Communication Vault Type 1	8.000 EACH	_____.	_____.
0652	674.0300 Remove Cable	165.000 LF	_____.	_____.
0654	674.0400 Reinstall Cable	165.000 LF	_____.	_____.
0656	675.0400.S Install Ethernet Switch	2.000 EACH	_____.	_____.
0658	678.0072 Install Fiber Optic Cable Outdoor Plant 72-CT	11,346.000 LF	_____.	_____.
0660	678.0200 Fiber Optic Splice Enclosure	8.000 EACH	_____.	_____.
0662	678.0300 Fiber Optic Splice	100.000 EACH	_____.	_____.
0664	678.0400 Fiber Optic Termination	4.000 EACH	_____.	_____.
0666	690.0150 Sawing Asphalt	9,800.000 LF	_____.	_____.
0668	690.0250 Sawing Concrete	29,212.000 LF	_____.	_____.



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0670	715.0415 Incentive Strength Concrete Pavement	802.000 DOL	1.00000	802.00
0672	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	9,600.000 HRS	5.00000	48,000.00
0674	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	18,000.000 HRS	5.00000	90,000.00
0676	SPV.0060 Special 001. Manholes 9-FT Diameter	16.000 EACH	_____.	_____.
0678	SPV.0060 Special 002. Relocate Existing Twin Arm Decorative Lighting Unit	60.000 EACH	_____.	_____.
0680	SPV.0060 Special 003. Relocate Existing Single Arm Decorative Lighting Unit	7.000 EACH	_____.	_____.
0682	SPV.0060 Special 004. Relocate and Convert Existing Single Arm Decorative Lighting Unit	3.000 EACH	_____.	_____.
0684	SPV.0060 Special 005. Relocate Existing Pedestrian Light Poles	52.000 EACH	_____.	_____.
0686	SPV.0060 Special 006. Concrete Base Type 6 Modified	70.000 EACH	_____.	_____.
0688	SPV.0060 Special 007. Retrofit LED Luminaire Type A	110.000 EACH	_____.	_____.
0690	SPV.0060 Special 008. Retrofit LED Luminaire Type B	7.000 EACH	_____.	_____.
0692	SPV.0060 Special 009. Retrofit LED Luminaire Type C	16.000 EACH	_____.	_____.
0694	SPV.0060 Special 010. Utility Line Opening (ULO)	77.000 EACH	_____.	_____.



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0700	SPV.0060 Special 013. Retrofit Pedestrian LED Module	53.000 EACH	_____.	_____.
0702	SPV.0060 Special 014. Pull Boxes Non-Conductive 24X42-Inch	76.000 EACH	_____.	_____.
0704	SPV.0060 Special 015. Removing Distribution Centers	3.000 EACH	_____.	_____.
0706	SPV.0060 Special 016. Construction Staking Curb Ramps	131.000 EACH	_____.	_____.
0708	SPV.0060 Special 017. Adjusting Water Boxes	140.000 EACH	_____.	_____.
0710	SPV.0060 Special 018. Water Main Protection	12.000 EACH	_____.	_____.
0712	SPV.0060 Special 019. Section Corner Monuments Special	5.000 EACH	_____.	_____.
0714	SPV.0060 Special 020. Adjusting Sanitary Manholes with New Cover	50.000 EACH	_____.	_____.
0716	SPV.0060 Special 021. Adjusting Sanitary Manholes with Existing Cover	19.000 EACH	_____.	_____.
0718	SPV.0060 Special 022. Reconstructing Sanitary Manholes	1.000 EACH	_____.	_____.
0720	SPV.0060 Special 023. Tree Grates 36"X72" R-8808	10.000 EACH	_____.	_____.
0722	SPV.0060 Special 024. Inlet Covers Type DW	1.000 EACH	_____.	_____.
0724	SPV.0060 Special 025. Relocate Signal Assembly Advance Flasher Unit	1.000 EACH	_____.	_____.
0726	SPV.0090 Special 001. Grooved Preformed Thermoplastic 24-Inch (White)	4,102.000 LF	_____.	_____.



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0728	SPV.0090 Special 002. Construction Staking Concrete Sidewalk	1,030.000 LF	_____.	_____.
0730	SPV.0090 Special 003. Silt Fence Heavy Duty	180.000 LF	_____.	_____.
0732	SPV.0105 Special 001. Remove Overhead Sign Support S-40-922	LS	LUMP SUM	_____.
0734	SPV.0105 Special 002. Remove Overhead Sign Support S-40-987	LS	LUMP SUM	_____.
0736	SPV.0105 Special 003. Maintaining Drainage During Construction	LS	LUMP SUM	_____.
0738	SPV.0105 Special 004. Remove Traffic Signals Forest Home Avenue	LS	LUMP SUM	_____.
0740	SPV.0105 Special 005. Remove Traffic Signals Janesville Road	LS	LUMP SUM	_____.
0742	SPV.0105 Special 006. Remove Traffic Signals Grange Avenue	LS	LUMP SUM	_____.
0744	SPV.0105 Special 007. Remove Traffic Signals Edgerton Avenue	LS	LUMP SUM	_____.
0746	SPV.0105 Special 008. Emergency Vehicle Preemption (EVP) Detector Head Installation College Avenue	LS	LUMP SUM	_____.
0748	SPV.0105 Special 009. Emergency Vehicle Preemption (EVP) Detector Head Installation Forest Home Avenue	LS	LUMP SUM	_____.
0750	SPV.0105 Special 010. Emergency Vehicle Preemption (EVP) Detector Head Installation Janesville Road	LS	LUMP SUM	_____.



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0752	SPV.0105 Special 011. Emergency Vehicle Preemption (EVP) Detector Head Installation Parnell Avenue	LS	LUMP SUM	_____.
0754	SPV.0105 Special 012. Emergency Vehicle Preemption (EVP) Detector Head Installation Grange Avenue	LS	LUMP SUM	_____.
0756	SPV.0105 Special 013. Emergency Vehicle Preemption (EVP) Detector Head Installation Abbott Avenue	LS	LUMP SUM	_____.
0758	SPV.0105 Special 014. Emergency Vehicle Preemption (EVP) Detector Head Installation Edgerton Aven	LS	LUMP SUM	_____.
0760	SPV.0105 Special 015. Emergency Vehicle Preemption (EVP) Detector Head Installation IH-43 NB Ramp	LS	LUMP SUM	_____.
0762	SPV.0105 Special 016. Transport and Install State Furnished Traffic Signal Cabinet College Avenue	LS	LUMP SUM	_____.
0764	SPV.0105 Special 017. Transport and Install State Furnished Traffic Signal Cabinet Forest Home Av	LS	LUMP SUM	_____.
0766	SPV.0105 Special 018. Transport and Install State Furnished Traffic Signal Cabinet Janesville Roa	LS	LUMP SUM	_____.
0768	SPV.0105 Special 019. Transport and Install State Furnished Traffic Signal Cabinet Parnell Avenue	LS	LUMP SUM	_____.
0770	SPV.0105 Special 020. Transport and Install State Furnished Traffic Signal Cabinet Grange Avenue	LS	LUMP SUM	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0772	SPV.0105 Special 021. Transport and Install State Furnished Traffic Signal Cabinet Abbott Avenue	LS	LUMP SUM	_____.
0774	SPV.0105 Special 022. Transport and Install State Furnished Traffic Signal Cabinet Edgerton Aven	LS	LUMP SUM	_____.
0776	SPV.0105 Special 023. Transport and Install State Furnished Traffic Signal Cabinet IH-43 NB Ramps	LS	LUMP SUM	_____.
0778	SPV.0105 Special 024. Transporting Traffic Signal and Intersection Lighting Materials College Av	LS	LUMP SUM	_____.
0780	SPV.0105 Special 025. Transporting Traffic Signal and Intersection Lighting Materials Forest Hom	LS	LUMP SUM	_____.
0782	SPV.0105 Special 026. Transporting Traffic Signal and Intersection Lighting Materials Janesville	LS	LUMP SUM	_____.
0784	SPV.0105 Special 027. Transporting Traffic Signal and Intersection Lighting Materials Parnell Ave	LS	LUMP SUM	_____.
0786	SPV.0105 Special 028. Transporting Traffic Signal and Intersection Lighting Materials Grange Aven	LS	LUMP SUM	_____.
0788	SPV.0105 Special 029. Transporting Traffic Signal and Intersection Lighting Materials Abbott Aven	LS	LUMP SUM	_____.
0790	SPV.0105 Special 030. Transporting Traffic Signal and Intersection Lighting Materials Edgerton Av	LS	LUMP SUM	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0792	SPV.0105 Special 031. Transporting Traffic Signal and Intersection Lighting Materials IH-43 NB R	LS	LUMP SUM	_____.
0794	SPV.0105 Special 032. Transporting and Installing State Furnished Video Detection College Avenue	LS	LUMP SUM	_____.
0796	SPV.0105 Special 033. Transporting and Installing State Furnished Video Detection Forest Home Av	LS	LUMP SUM	_____.
0798	SPV.0105 Special 034. Transporting and Installing State Furnished Video Detection IH-43 NB Ramps	LS	LUMP SUM	_____.
0800	SPV.0105 Special 035. Concrete Seat Wall - Church	LS	LUMP SUM	_____.
0802	SPV.0105 Special 036. Removing Existing Median B-40-705	LS	LUMP SUM	_____.
0804	SPV.0105 Special 037. Temporary Non-Intrusive Vehicle Detection System Forest Home Avenue	LS	LUMP SUM	_____.
0806	SPV.0105 Special 038. Temporary Non-Intrusive Vehicle Detection System Janesville Road	LS	LUMP SUM	_____.
0808	SPV.0105 Special 039. Temporary Non-Intrusive Vehicle Detection System Grange Avenue	LS	LUMP SUM	_____.
0810	SPV.0105 Special 040. Temporary Non-Intrusive Vehicle Detection System Edgerton Avenue	LS	LUMP SUM	_____.
0812	SPV.0105 Special 041. Remove Loop Detector Wire and Lead-In Cable Forest Home Avenue	LS	LUMP SUM	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0814	SPV.0105 Special 042. Remove Loop Detector Wire and Lead-In Cable Janesville Road	LS	LUMP SUM	_____.
0816	SPV.0105 Special 043. Remove Loop Detector Wire and Lead-In Cable Grange Avenue	LS	LUMP SUM	_____.
0818	SPV.0105 Special 044. Remove Loop Detector Wire and Lead-In Cable Edgerton Avenue	LS	LUMP SUM	_____.
0820	SPV.0105 Special 045. Temporary Infrared EVP System Janesville Road	LS	LUMP SUM	_____.
0822	SPV.0105 Special 046. Transporting and Installing State Furnished Video Detection Abbot Ave	LS	LUMP SUM	_____.
0824	SPV.0120 Special 001. Water For Seeded Areas	448.000 MGAL	_____.	_____.
0826	SPV.0165 Special 002. Wall Modular Block Gravity Landscape LRFD - Culver	2,155.000 SF	_____.	_____.
0828	SPV.0165 Special 003. Wall Modular Block Gravity Landscape LRFD - Grange	1,570.000 SF	_____.	_____.
0830	204.9060.S Removing (item description) 002. Removing Existing Flasher Assembly	2.000 EACH	_____.	_____.
0832	611.0420 Reconstructing Manholes	1.000 EACH	_____.	_____.
0834	616.0206 Fence Chain Link 6-FT	1,182.000 LF	_____.	_____.
0836	653.0900 Adjusting Pull Boxes	1.000 EACH	_____.	_____.
0838	658.0210 Backplates Signal Face 1 Section 12-Inch	3.000 EACH	_____.	_____.
0840	659.1125 Luminaires Utility LED C	62.000 EACH	_____.	_____.



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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0842	676.0305 Signal Assembly Advance Flasher Type 2	1.000 EACH	_____.	_____.
0844	678.0500 Communication System Testing	LS	LUMP SUM	_____.
0846	SPV.0060 Special 026. 8-CT Fiber Optic Connector 800-FT	1.000 EACH	_____.	_____.
0848	SPV.0105 Special 047. Install Fiber Optic Communications in Cabinet College Avenue	LS	LUMP SUM	_____.
0850	SPV.0105 Special 048. Install Fiber Optic Communications in Cabinet Forest Home Avenue	LS	LUMP SUM	_____.
0852	SPV.0105 Special 049. Install Fiber Optic Communications in Cabinet Janesville Road	LS	LUMP SUM	_____.
0854	SPV.0105 Special 050. Install Fiber Optic Communications in Cabinet Parnell Avenue	LS	LUMP SUM	_____.
0856	SPV.0105 Special 051. Install Fiber Optic Communications in Cabinet Grange Avenue	LS	LUMP SUM	_____.
0858	SPV.0105 Special 052. Install Fiber Optic Communications in Cabinet Abbott Avenue	LS	LUMP SUM	_____.
0860	SPV.0105 Special 053. Install Fiber Optic Communications in Cabinet Edgerton Avenue	LS	LUMP SUM	_____.
0862	SPV.0105 Special 054. Install Fiber Optic Communications in Cabinet IH-43 Ramps	LS	LUMP SUM	_____.
Section: 0001			Total:	_____.

Total Bid: _____.

