LAX

PROJECT ID: WITH: N/A

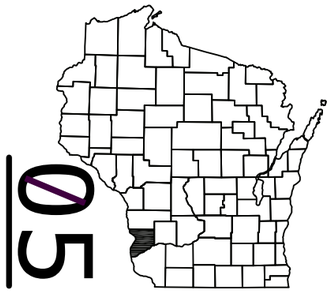
5319-00-70

COUNTY: CRAWFORD COUNTY

MARCH 2025

ORDER OF SHEETS

TOTAL SHEETS = 126



N

DESIGN DESIGNATION

A.A.D.T.	=	100
A.A.D.T.	=	120
D.H.V.	=	12%
D.D.	=	60/40
T.	=	8%
DESIGN SPEED	=	50 MPH
ESALS	=	45,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5319-00-70	WISC 2025360	1

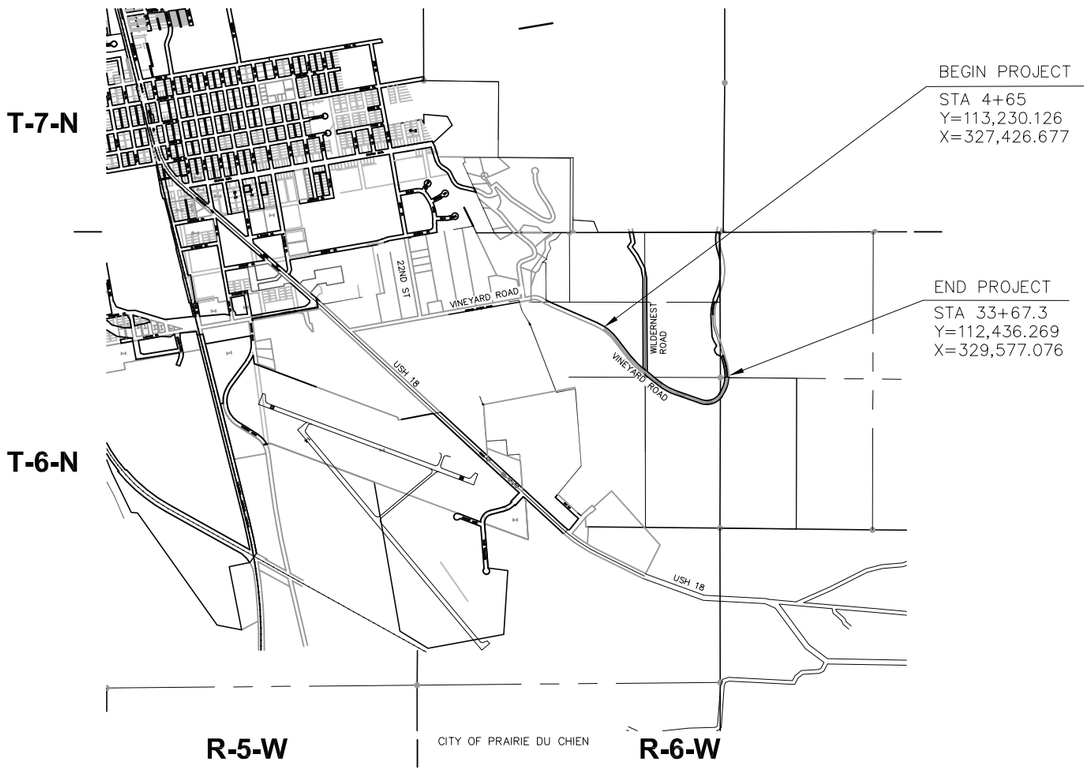
C PRAIRIE DU CHIEN, VINEYARD ROAD

HILLVIEW DRIVE TO HOFFLAND LANE

LOC STR

CRAWFORD COUNTY

STATE PROJECT NUMBER
5319-00-70



LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 0.550 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), CRAWFORD COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18

CITY OF PRAIRIE DU CHIEN

APPROVED BY THE CITY

DATE: 10/30/24

Signature Title: City Administrator

ORIGINAL PLANS PREPARED BY

vierbicher
planners | engineers | advisors
REEDSBURG - MADISON - PRAIRIE DU CHIEN
126 West Blackhawk Avenue Prairie du Chien, Wisconsin 53821
Phone: (608) 326-1051 Fax: (608) 326-1052

WISCONSIN PROFESSIONAL ENGINEER
TODD A. HALVENSLEBEN
E-34578
REEDSBURG
WI

Todd Halvensleben 10/29/2024

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	VIERBICHER
Designer	VIERBICHER
Project Manager	JOSH SCHOENMANN, PE
Regional Examiner	SW REGION
Regional Supervisor	KYLE HEMP, PE

APPROVED FOR THE DEPARTMENT

DATE: 10/30/24 (Signature)

E

GENERAL NOTES:

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

2. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

3. RIGHT OF WAY LINES SHOWN ON THE CROSS SECTIONS ARE APPROXIMATE.

4. PROTECT INLETS WITH PROPER INLET PROTECTION AT LOCATIONS EXHIBITING RISK OF BEING IMPACTED BY CONSTRUCTION OPERATIONS AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

5. STAGE CONSTRUCTION TO PROVIDE ACCESS AT ALL TIMES TO WILDERNEST ROAD.

6. THE EXACT LOCATION AND WIDTH OF TEMPORARY ACCESS FOR DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER. STAGE CONSTRUCTION AND PROVIDE TRAFFIC CONTROL TO MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.

7. RESHAPE AND SEED ANY PREVIOUSLY GRASSED AREA(S) WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTORS EXPENSE.

8. PLACE SALVAGED TOPSOIL IN ALL GRADED AREAS AS DESIGNATED BY THE ENGINEER IMMEDIATELY AFTER GRADING HAS BEEN COMPLETED. SEED, MULCH AND FERTILIZE ALL AREAS 5 DAYS AFTER PLACEMENT OF SALVAGED TOPSOIL.

9. TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS, FLOODWAY OR FLOODPLAIN OF ANY WATERWAY.

10. EDGE OF ASPHALT END CENTERLINE GRADES AND LAYOUT DATA ARE GIVEN AS NOTED ON THE PLANS.

11. SAWCUT ASPHALT AT THE MATCHLINE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER

12. THE EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

13. EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER.

14. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR WILL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS.

15. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

16. APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACE AND 0.05 GA/SY BETWEEN LAYERS OF HMA PAVEMENT.

17. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

17. BENCHMARK LOCATIONS SHOWN ON PLAN ARE APPROXIMATE AND SHOULD BE VERIFIED.

18. SIDE ROAD PAVEMENT STRUCTURE SHALL BE THE SAME AS THE MAINLINE.

19. HMA PAVEMENT WHEN INDICATED ON THE PLANS, SHALL CONSIST OF COURSES AS FOLLOWS UNLESS OTHERWISE NOTED ON THE PLANS.

TOTAL DEPTH	LAYERS	TYPE	NOMINAL MAX SIZE GRADATION
1 3/4–INCH	UPPER	4 MT 58–28 S	12.5 mm
2–INCH	LOWER	4 MT 58–28 S	12.5 mm

20. THE CONTRACTOR SHALL REMOVE ANY SEDIMENT TRACKED ONTO ADJACENT ROADS BY THE MEANS OF STREET SWEEPING AT THE END OF EACH WORK DAY OR AS DIRECTED BY THE ENGINEER.

21. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ENGINEER, PRIOR TO PLACING ORDER OF ANY SUCH ITEM.

RUNOFF COEFFICENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0–2	2–6	6 & OVER	0–2	2–6	6 & OVER	0–2	2–6	6 & OVER	0–2	2–6	6 & OVER
ROW CROPS:	0.08 0.22	0.16 0.30	0.22 0.38	0.12 0.26	0.20 0.34	0.27 0.44	0.15 0.30	0.24 0.37	0.33 0.50	0.19 0.34	0.28 0.41	0.38 0.56
MEDIAN STRIP–TURB:	0.19 0.24	0.20 0.26	0.24 0.30	0.19 0.25	0.22 0.28	0.26 0.33	0.20 0.26	0.23 0.30	0.30 0.37	0.20 0.27	0.25 0.32	0.30 0.40
SIDE SLOPE–TRUF:			0.25 0.32			0.27 0.34			0.28 0.36			0.30 0.38
PAVEMENT:												
ASPHALT	0.70 – 0.95											
CONCRETE	0.80 – 0.95											
BRICK	0.70 – 0.80											
DRIVES, WALKS	0.75 – 0.85											
ROOFS	0.75 – 0.95											
GRAVEL ROADS, SHOULDERS	0.40 – 0.60											

TOTAL PROJECT AREA = 3.40 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 3.40 ACRES

2

UTILITIES CONTACTS

ELECTRIC
SCENIC RIVERS ENERGY COOPERATIVE
CHAD OLMSTEAD
206 COUNTY ROAD K
LANCASTER WI 53813
608–723–2121
COLMSTEAD@SREC.NET

COMMUNICATION
LUMEN TECHNOLOGIES
KYLE SCHLAMP
124 S BEAUMONT RD
PRAIRIE DU CHIEN, WI 53821
715–475–2029
KYLE.SCHLAMPP@LUMEN.COM

ORDER OF SECTION 2 DETAIL SHEETS

ALIGNMENT IDENTIFIERS

"VN"	VINEYARD RD
"WD"	WILDERNESS RD
"PB"	PUBLIC RD
"HF"	HOFFLAND LN

ABBREVIATIONS

AEW	APRON ENDWALL
AGG	AGGREGATE
ASPH	ASPHALT
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTIER
C/L	CENTER OR CONSTRUCTION LINE
CMP	CULVERT PIPE CORRUGATED METAL
CONC	CONCRETE
CP	CULVERT PIPE
RCP	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EAT	ENERGY ABSORBING TERMINAL
FE	FIELD ENTRANCE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
MATCH	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
OFF	OFFSET
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMrTED EASEMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCPAE	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGED
SAPBC	SALVAGED ASPHALTIC PAVEMENT BASE COURSE
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWINGS
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT

2

AGENCIES:

EMERGENCY – FIRE, RESCUE, AMBULANCE, POLICE
DIAL 911

DEPARTMENT OF NATURAL RESOURCES

DNR SERVICE CENTER
KAREN KALVELAGE
3550 MORMON COULEE ROAD
LA CROSSE, WI 54601
PHONE: (608) 785–9115
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

WISDOT CONTACT

WI DEPT OF TRANSPORTATION
JOSH SCHOENMANN, P.E.
2101 WRIGHT STREET
MADISON, WI 53704
PHONE: (608) 246–5448
EMAIL: JOSH.SCHOENMANN@DOT.WI.GOV

CONSULTANT PROJECT MANAGER

VIERBICHER
MATT MUCHOW
400 VIKING DRIVE
REEDSBURG, WI 53959
PHONE: (608) 402–6379
EMAIL: MMUC@VIERBICHER.COM

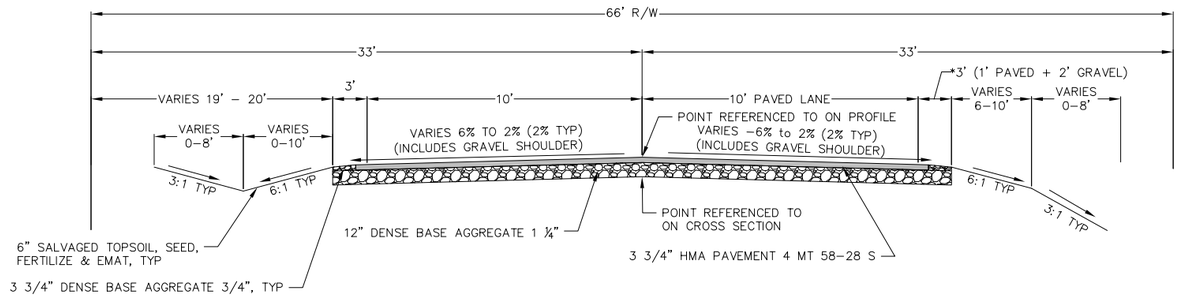
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD TITLE SHEET_GEN NOTES.DWG
LAYOUT NAME - Project Overview

PLOT DATE : 10/28/2024 10:09 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

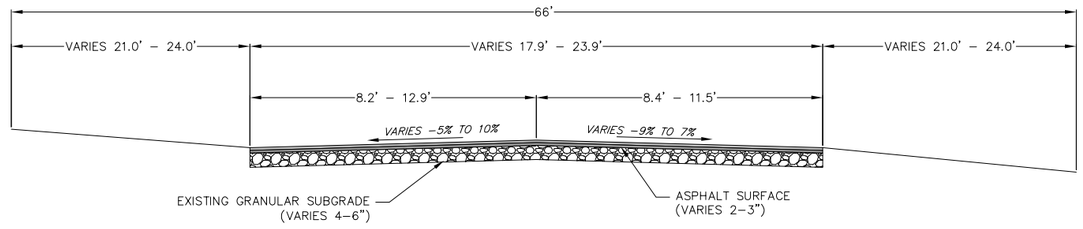
2



* PAVED SHOULDER WIDTH VARIES 0'–1' THRU TAPERS AT PROJECT BEGINNING AND ENDING

FINISHED TYPICAL SECTION – VINEYARD RD

NOT TO SCALE STA 4+65 – STA 33+67



EXISTING TYPICAL SECTION – VINEYARD RD

NOT TO SCALE STA 4+65 – STA 33+67

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	TYPICAL SECTIONS	SHEET 5	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD DETAILS.DWG
LAYOUT NAME - 05 TYP SECTIONS

PLOT DATE : 10/28/2024 10:17 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:20 FT

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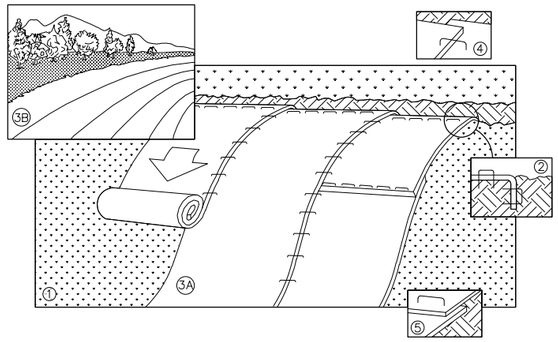
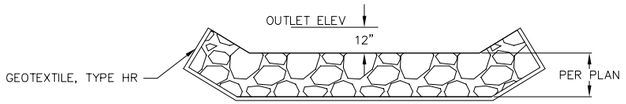


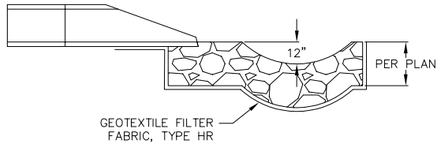
NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
   NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA.
   CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS <A.> DOWN, OR <B.> HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.

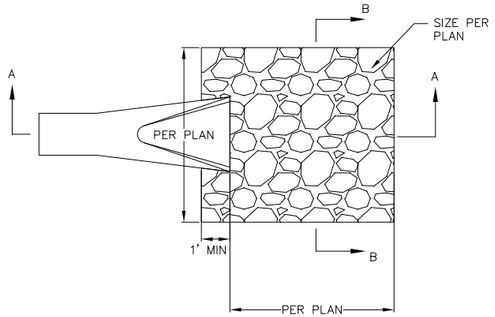
1/1 EROSION MAT
NOT TO SCALE



CROSS SECTION B-B



CROSS SECTION A-A



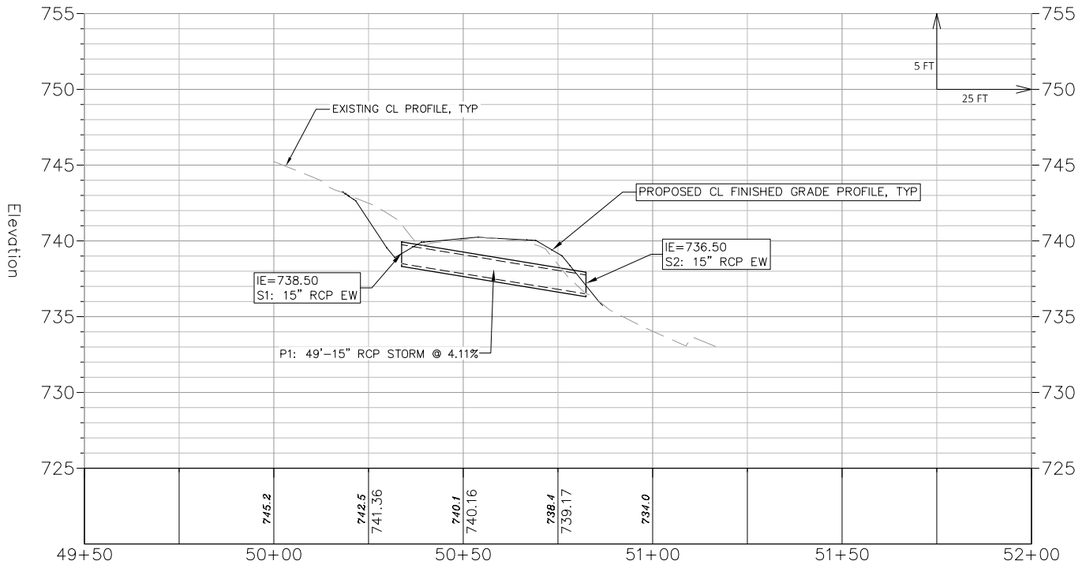
PLAN VIEW

1/1 RIPRAP OUTLET
NOT TO SCALE

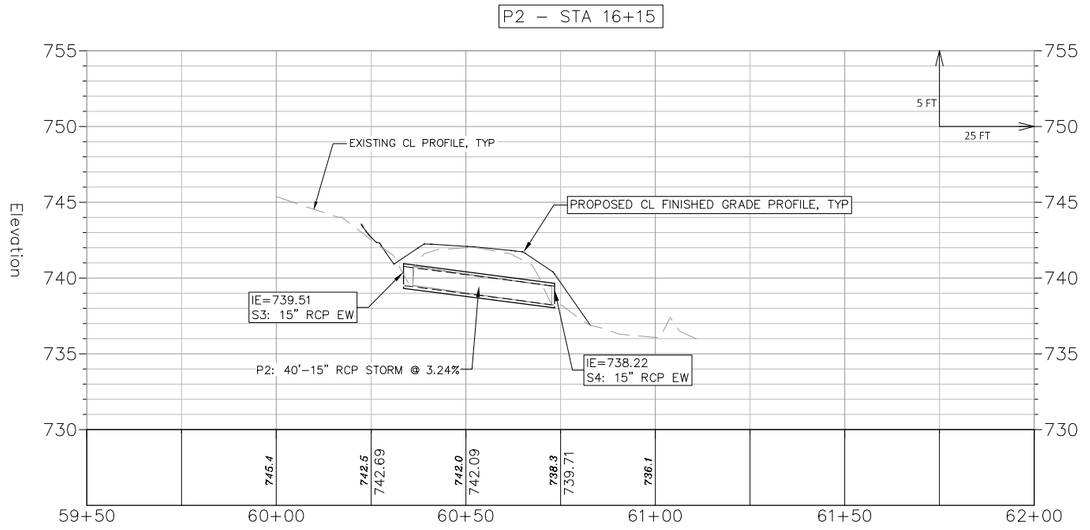
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CONSTRUCTION DETAILS	SHEET 6	E

2

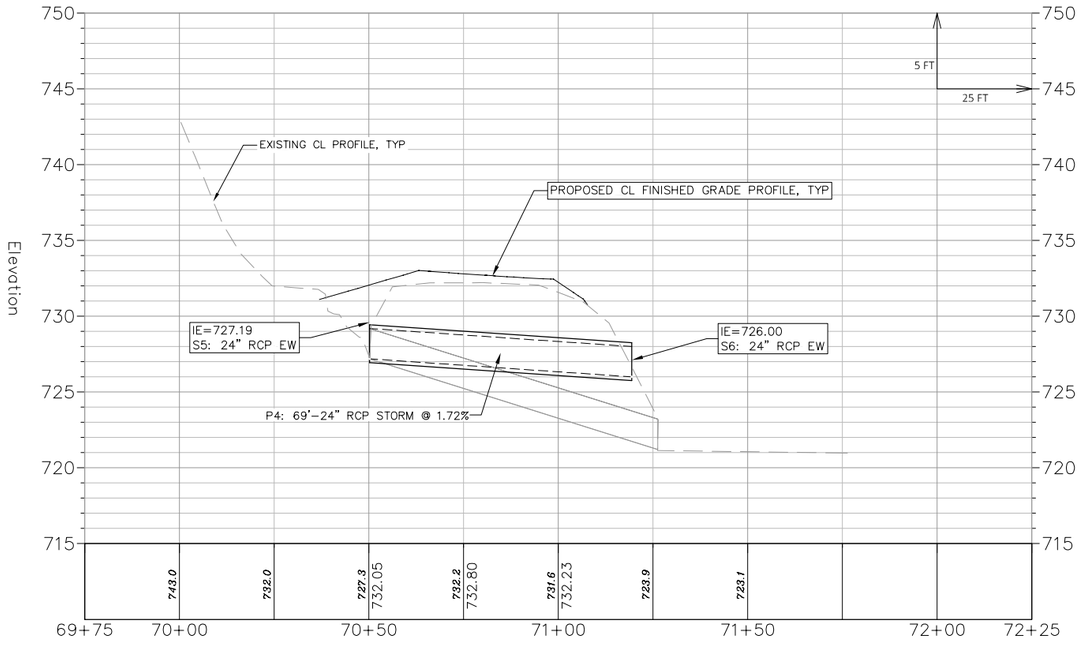
P1 – STA 13+05



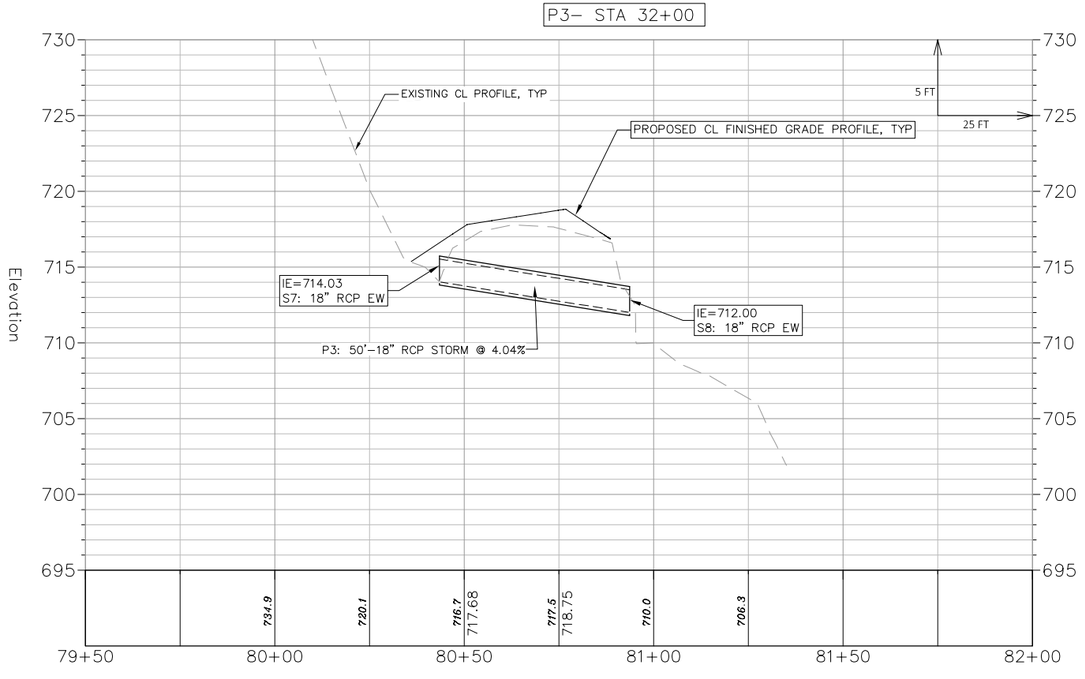
P2 – STA 16+15



P4 – STA 28+50



P3– STA 32+00

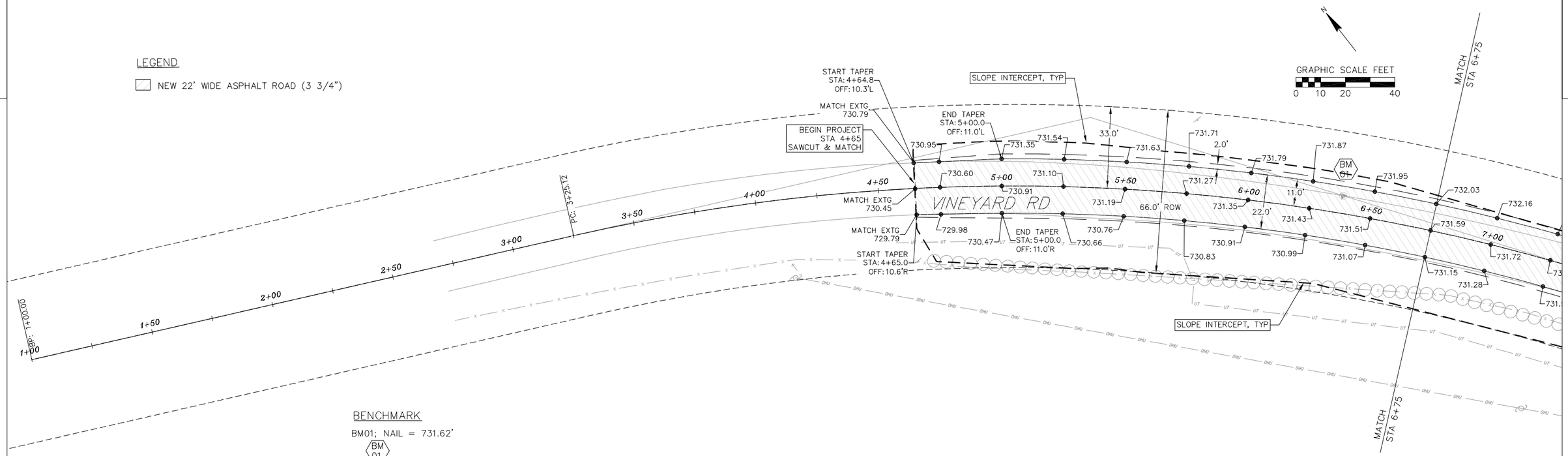


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CONSTRUCTION DETAILS - CULVERT PIPE SECTIONS	SHEET 7	E

2

LEGEND

NEW 22' WIDE ASPHALT ROAD (3 3/4")



BENCHMARK

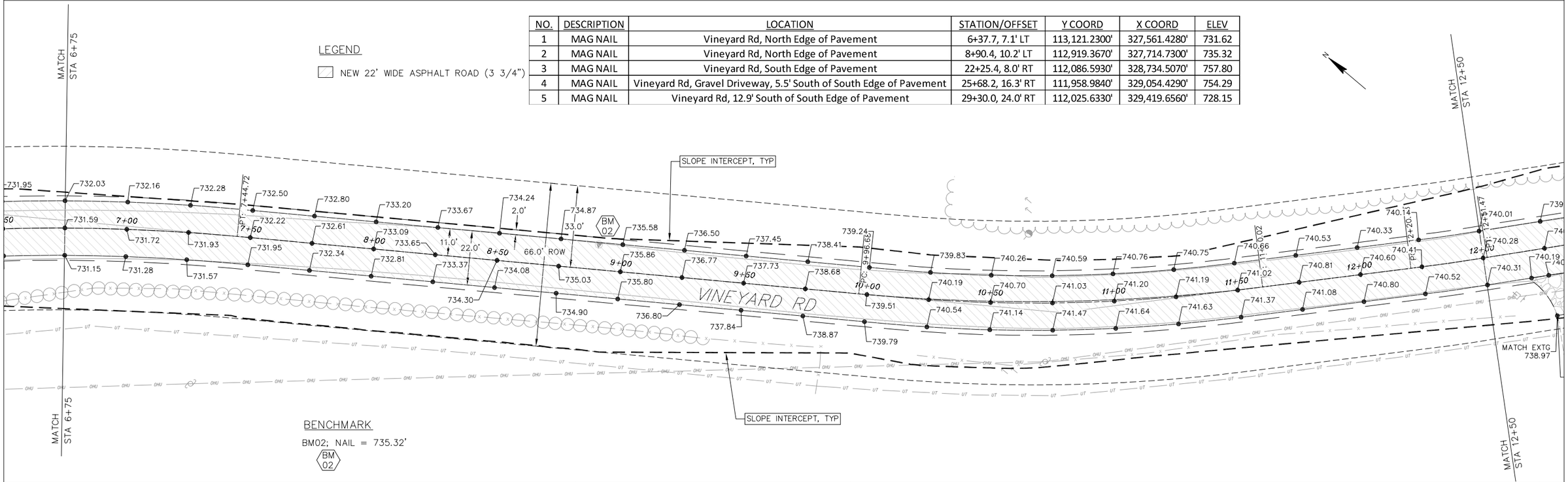
BM01; NAIL = 731.62'

BM 01

NO.	DESCRIPTION	LOCATION	STATION/OFFSET	Y COORD	X COORD	ELEV
1	MAG NAIL	Vineyard Rd, North Edge of Pavement	6+37.7, 7.1' LT	113,121.2300'	327,561.4280'	731.62
2	MAG NAIL	Vineyard Rd, North Edge of Pavement	8+90.4, 10.2' LT	112,919.3670'	327,714.7300'	735.32
3	MAG NAIL	Vineyard Rd, South Edge of Pavement	22+25.4, 8.0' RT	112,086.5930'	328,734.5070'	757.80
4	MAG NAIL	Vineyard Rd, Gravel Driveway, 5.5' South of South Edge of Pavement	25+68.2, 16.3' RT	111,958.9840'	329,054.4290'	754.29
5	MAG NAIL	Vineyard Rd, 12.9' South of South Edge of Pavement	29+30.0, 24.0' RT	112,025.6330'	329,419.6560'	728.15

LEGEND

NEW 22' WIDE ASPHALT ROAD (3 3/4")

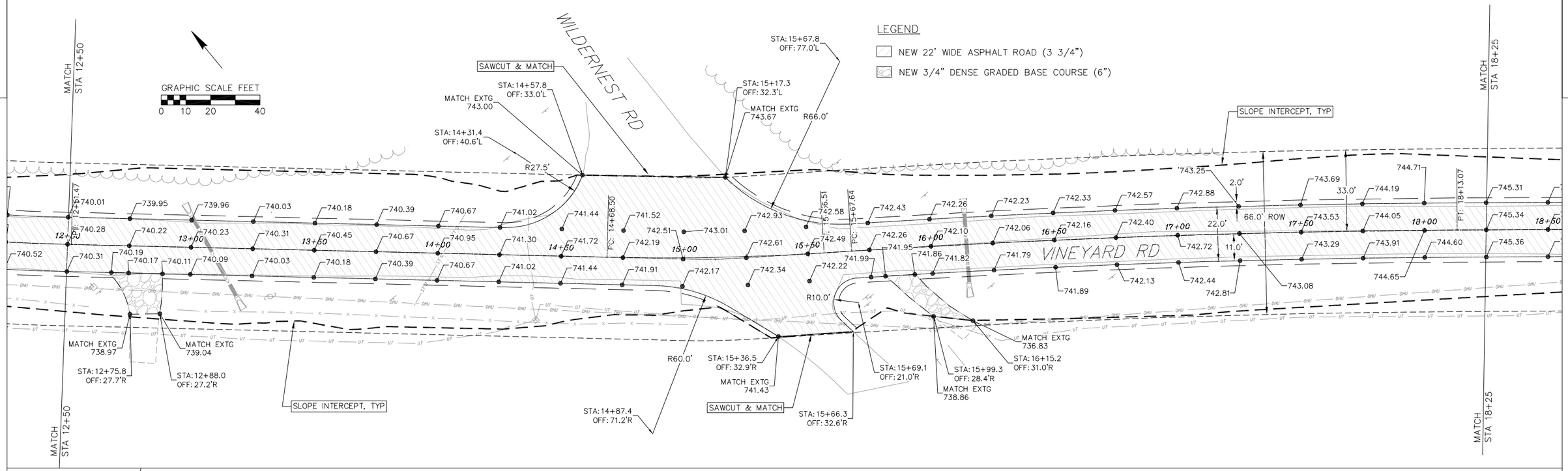


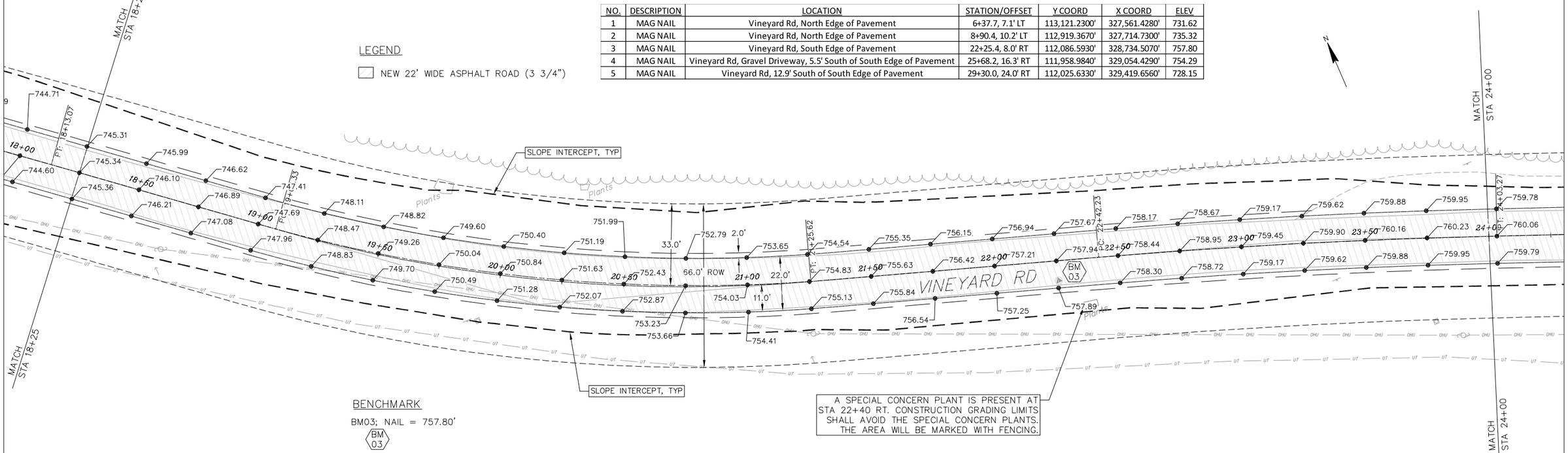
BENCHMARK

BM02; NAIL = 735.32'

BM 02

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PAVING PLAN	SHEET 8	E





NO.	DESCRIPTION	LOCATION	STATION/OFFSET	Y COORD	X COORD	ELEV
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4	MAG NAIL	Vineyard Rd, Gravel Driveway, 5.5' South of South Edge of Pavement	25+68.2, 16.3' RT	111,958.9840'	329,054.4290'	754.29
5	MAG NAIL	Vineyard Rd, 12.9' South of South Edge of Pavement	29+30.0, 24.0' RT	112,025.6330'	329,419.6560'	728.15

BENCHMARK

BM03; NAIL = 757.80'

BM 03

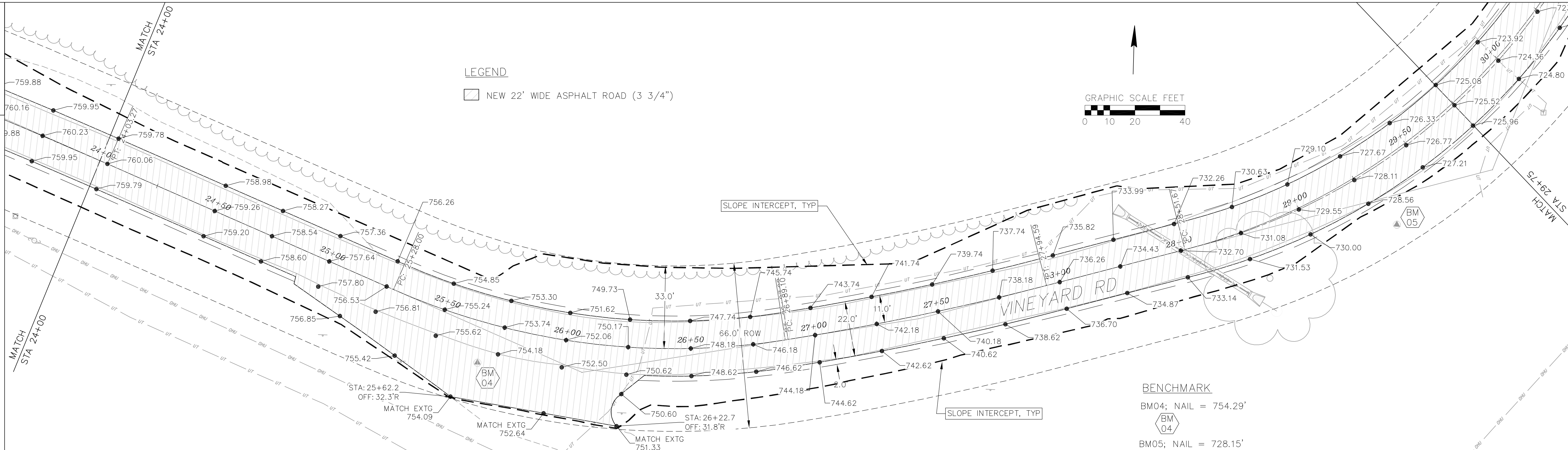
A SPECIAL CONCERN PLANT IS PRESENT AT STA 22+40 RT. CONSTRUCTION GRADING LIMITS SHALL AVOID THE SPECIAL CONCERN PLANTS. THE AREA WILL BE MARKED WITH FENCING.

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PAVING PLAN	SHEET 9	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD PAVING PLAN.DWG
LAYOUT NAME - PAV 2

PLOT DATE : 10/28/2024 10:24 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42



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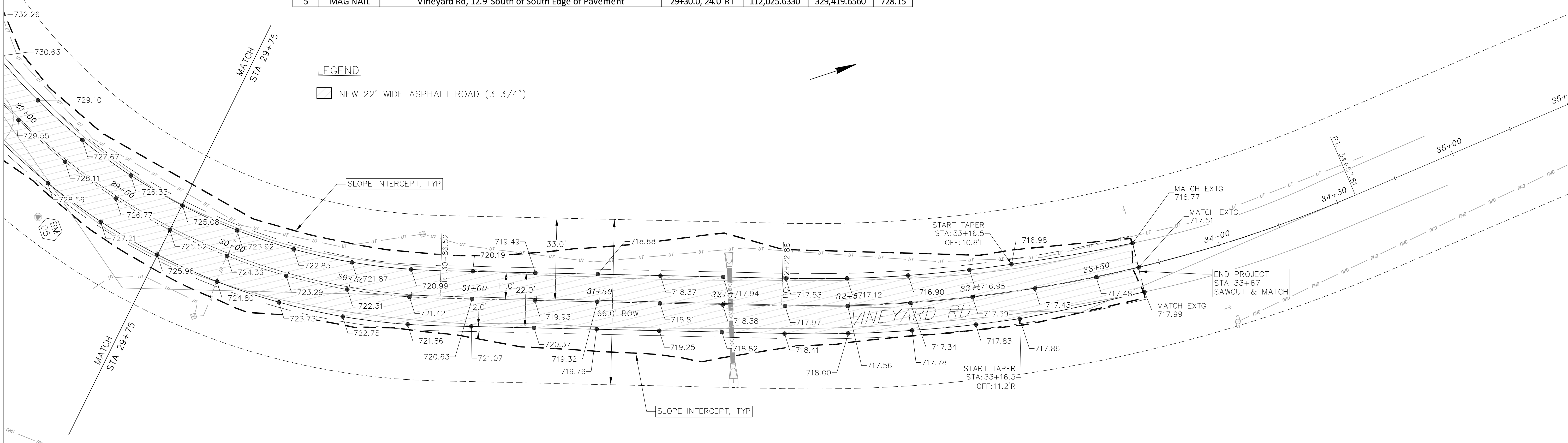
5	MAG NAIL	Vineyard Rd, 12.9' South of South Edge of Pavement	29+30.0, 24.0' RT	112,025.6330'	329,419.6560'	728.15



PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PAVING PLAN	SHEET	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD PAVING PLAN.DWG
LAYOUT NAME - PAV 3
PLOT DATE : 10/28/2024 10:24 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

CITY OF PRAIRIE DU CHIEN

740.67 EP

STA: 14+26.7
OFF: 43.9'L

740.95

14+00

STA: 14+27.1
OFF: 11.0'L

R33.0'

STA: 14+57.8
OFF: 33.0'L

MATCH EXTG
743.00 EP

741.11 EP

740.67 EP

742.20 EP

WILDERNEST RD

MATCH EXTG
743.31

741.30

MATCH EXTG
743.86

741.44

741.02 EP

33' LT SAWCUT & MATCH

741.72

14+50

MATCH EXTG
744.19

741.52

MATCH EXTG
743.87

STA: 15+67.8
OFF: 77.0'L

741.44 EP

742.19

MATCH EXTG
743.67 EP

STA: 15+17.2
OFF: 32.4'L

743.00

R66.0'

62036 VINEYARD RD
CITY OF PRAIRIE DU CHIEN

741.91 EP

742.51

15+00

STA: 14+88.5
OFF: 11.2'R

742.93

742.18 EP

742.17

742.86 EP

742.61

742.58

62275 VINEYARD RD
PENNY & ROBERT SELCH

741.80 EP

STA: 15+14.5
OFF: 18.3'R

742.34

15+50

742.49

STA: 15+67.6
OFF: 11.0'L

R60.0'

742.11 EP

742.43 EP

742.22

STA: 15+36.5
OFF: 32.9'R

742.26

742.26 EP

741.37 EP

742.10 EP

MATCH EXTG
741.43 EP

R10.0'

741.99 EP

MATCH EXTG
741.38

16+00

742.10

STA: 15+87.4
OFF: 71.2'R

STA: 15+69.1
OFF: 11.0'R

742.23 EP

MATCH EXTG
741.03

741.82 EP

33' RT SAWCUT & MATCH

STA: 15+69.1
OFF: 21.0'R

742.06

MATCH EXTG
740.86

740.98 EP

MATCH EXTG
740.67 EP

STA: 15+61.8
OFF: 27.8'R

STA: 15+66.3
OFF: 32.6'R

741.79 EP

16+50

VINEYARD RD

62036 VINEYARD RD
CITY OF PRAIRIE DU CHIEN

N

GRAPHIC SCALE, FEET
0 5 10 20

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	INTERSECTION DETAIL	SHEET 11	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD INTERSECTION DETAIL.DWG
LAYOUT NAME - Intersection Detail

PLOT DATE : 10/28/2024 10:29 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

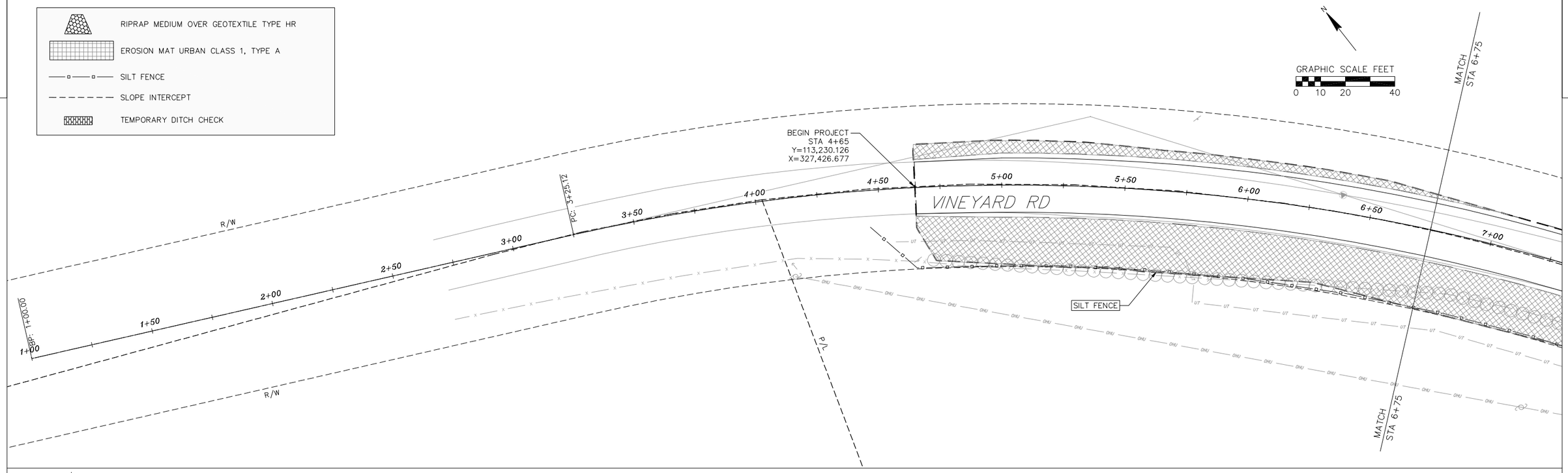
RIPRAP MEDIUM OVER GEOTEXTILE TYPE HR

EROSION MAT URBAN CLASS 1, TYPE A

SILT FENCE

SLOPE INTERCEPT

TEMPORARY DITCH CHECK

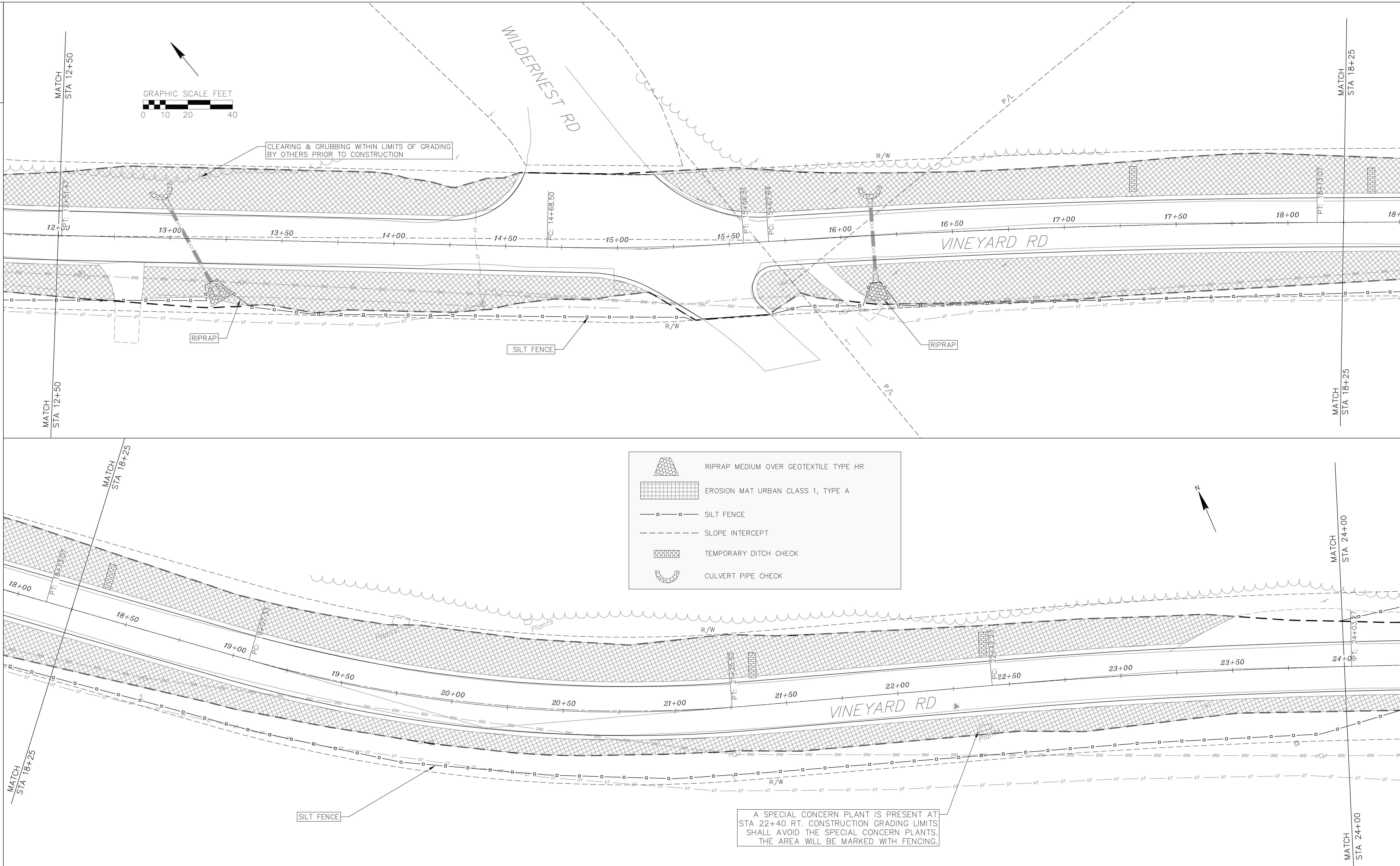


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	EROSION CONTROL PLAN	SHEET 12	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD EROSION CONTROL PLAN.DWG
LAYOUT NAME - EC 1

PLOT DATE : 10/29/2024 11:50 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



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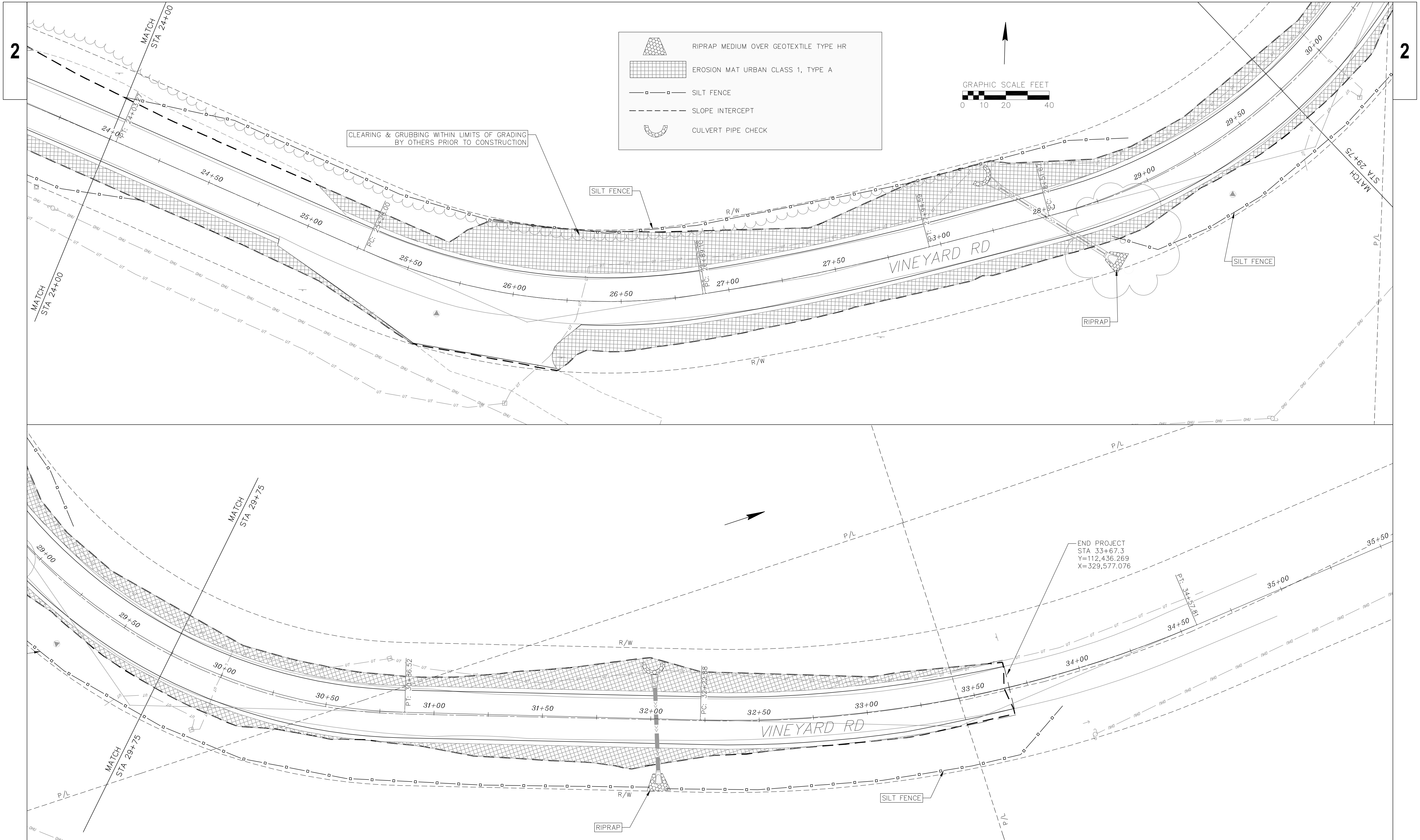
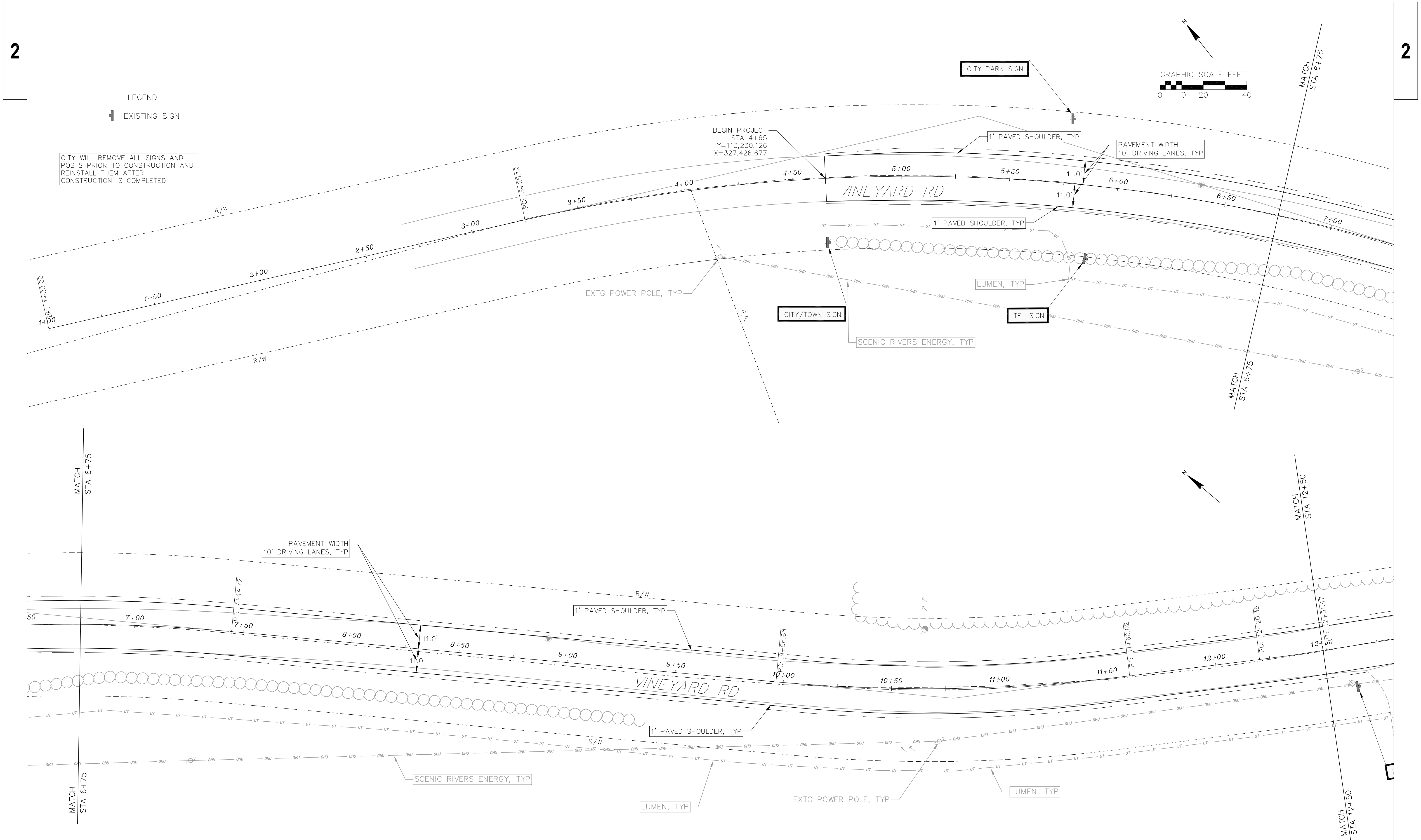
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	EROSION CONTROL PLAN	SHEET 13	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD EROSION CONTROL PLAN.DWG
LAYOUT NAME - EC 2
PLOT DATE : 10/29/2024 11:50 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	EROSION CONTROL PLAN	SHEET 14	E



2
LEGEND
EXISTING SIGN
CITY WILL REMOVE ALL SIGNS AND POSTS PRIOR TO CONSTRUCTION AND REINSTALL THEM AFTER CONSTRUCTION IS COMPLETED
CITY PARK SIGN
GRAPHIC SCALE FEET
0 10 20 40
BEGIN PROJECT STA 4+65 Y=113,230.126 X=327,426.677
1' PAVED SHOULDER, TYP
PAVEMENT WIDTH 10' DRIVING LANES, TYP
VINEYARD RD
11.0'
LUMEN, TYP
EXTG POWER POLE, TYP
CITY/TOWN SIGN
TEL SIGN
SCENIC RIVERS ENERGY, TYP
MATCH STA 6+75
MATCH STA 12+50
R/W
PC: 3+25.12
PT: 7+44.72
PC: 9+96.68
PT: 11+60.02
PC: 12+20.38
PT: 12+51.47

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PERMANENT SIGNING & PAVEMENT MARKING PLAN	SHEET 15	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD SIGNING & MARKING PLAN.DWG
LAYOUT NAME - SIGN 1
PLOT DATE : 10/29/2024 1:44 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

GRAPHIC SCALE FEET
0 10 20 40

LEGEND
EXISTING SIGN
PROPOSED SIGN

CITY WILL REMOVE ALL SIGNS AND POSTS PRIOR TO CONSTRUCTION AND REINSTALL THEM AFTER CONSTRUCTION IS COMPLETED

STOP

WILDERNEST RD

ARCHERY RANGE SIGN

MARKING STOP LINE PAINT 18-INCH

WILDERNEST RD

EXISTING SIGN

MATCH STA 12+50

MATCH STA 18+25

1' PAVED SHOULDER, TYP

PT: 12+51.47

PC: 14+68.50

PT: 15+56.51

PC: 15+67.64

PT: 18+13.07

12+00 13+00 13+50 14+00 14+50 15+00 15+50 16+00 16+50 17+00 17+50 18+00 18+50

11.0'

11.0'

PAVEMENT WIDTH 10' DRIVING LANES, TYP

VINEYARD RD

1' PAVED SHOULDER, TYP

R/W

EXISTING SIGN

FIRE NUMBER SIGN

PICNIC AREA SIGN

SCENIC RIVERS ENERGY, TYP

EXTG POWER POLE, TYP

HORSE SIGN

WILDERNEST RD

LUMEN, TYP

W1-2L 36"x36"

40 MPH

W13-1 18"x18"

MATCH STA 18+25

MATCH STA 18+25

PT: 18+13.07

PC: 19+07.33

18+00 18+50 19+00 19+50 20+00 20+50 21+00 21+50 22+00 22+50 23+00 23+50 24+00

PT: 21+25.62

PC: 22+42.23

PT: 24+03.27

PAVEMENT WIDTH 10' DRIVING LANES, TYP

1' PAVED SHOULDER, TYP

11.0'

11.0'

VINEYARD RD

1' PAVED SHOULDER, TYP

R/W

EXISTING SIGN

EXTG POWER POLE, TYP

LUMEN, TYP

SCENIC RIVERS ENERGY, TYP

W1-2L 36"x36"

30 MPH

W13-1 18"x18"

MATCH STA 18+25

MATCH STA 24+00

MATCH STA 24+00

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PERMANENT SIGNING & PAVEMENT MARKING PLAN	SHEET 16	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD SIGNING & MARKING PLAN.DWG
LAYOUT NAME - SIGN 2

PLOT DATE : 10/29/2024 1:44 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

CITY WILL REMOVE ALL SIGNS AND POSTS PRIOR TO CONSTRUCTION AND REINSTALL THEM AFTER CONSTRUCTION IS COMPLETED

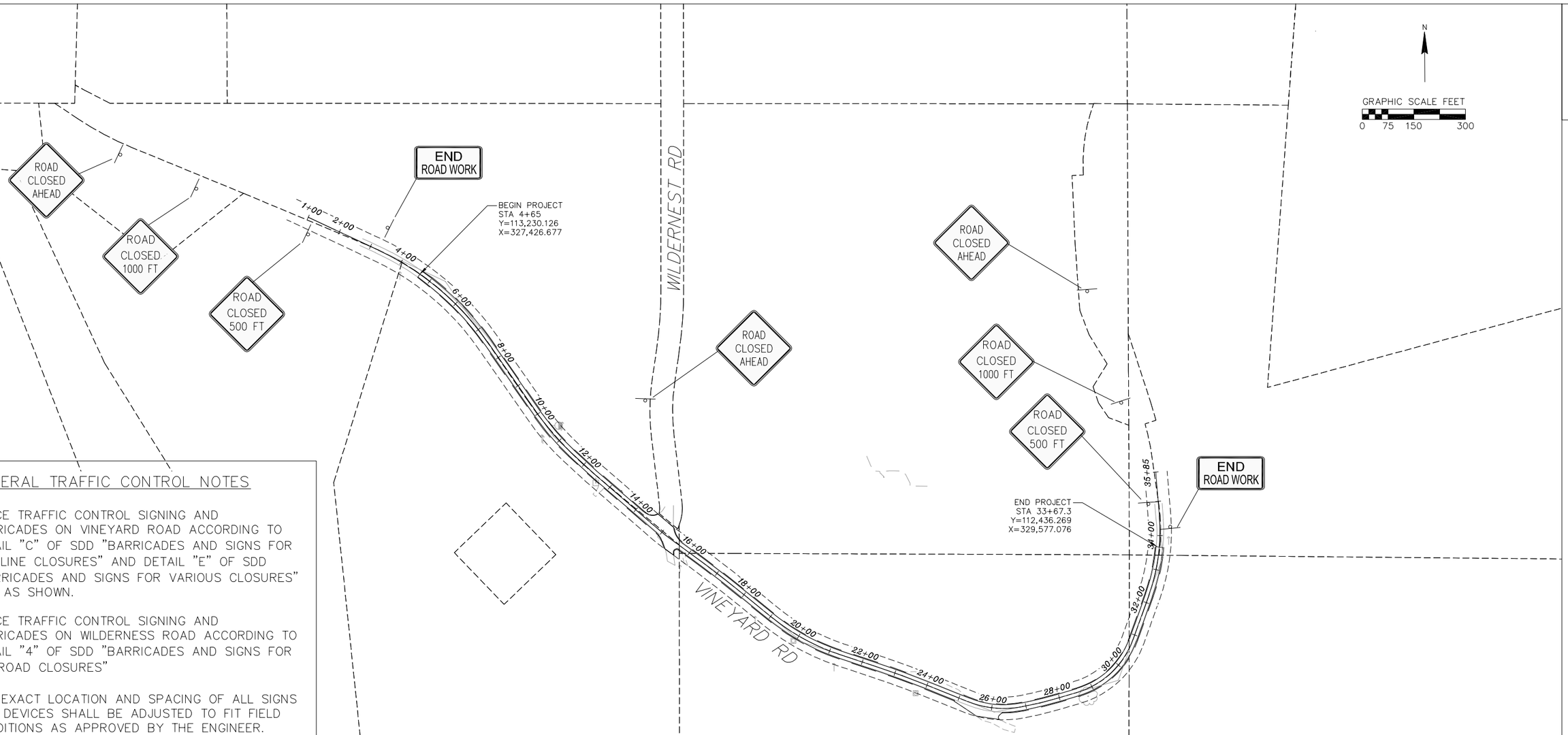
LEGEND
- EXISTING SIGN
- PROPOSED SIGN

GRAPHIC SCALE FEET
0 10 20 40

EXISTING SIGN
MATCH STA 24+00
W1-2R 36"x36"
40 MPH
W13-1 18"x18"
PT: 24+03.27
24+00
24+50
25+00
PC: 25+28.00
11.0'
11.0'
25+50
26+00
26+50
PAVEMENT WIDTH 10' DRIVING LANES, TYP
LUMEN, TYP
R/W
1' PAVED SHOULDER, TYP
PC: 26+89.10
27+00
27+50
VINEYARD RD
1' PAVED SHOULDER, TYP
PT: 28+51.59
28+00
28+50
29+00
29+50
30+00
MATCH STA 29+75
W1-2R 36"x36"
30 MPH
W13-1 18"x18"
HORSE PARK SIGN
EXISTING SIGN
SCENIC RIVERS ENERGY, TYP
MARKING STOP LINE PAINT 18-INCH
STOP
R/W
LUMEN, TYP
W1-2L 36"x36"
30 MPH
W13-1 18"x18"
SCENIC RIVERS ENERGY, TYP
EXTG POWER POLE, TYP
P/L
W1-2R 36"x36"
40 MPH
W13-1 18"x18"
MATCH STA 29+75
29+00
29+50
30+00
30+50
PT: 30+86.52
31+00
31+50
11.0'
11.0'
32+00
PC: 32+22.88
32+50
33+00
33+50
34+00
34+50
35+00
35+50
PT: 34+57.81
VINEYARD RD
PAVEMENT WIDTH 10' DRIVING LANES, TYP
LUMEN, TYP
1' PAVED SHOULDER, TYP
1' PAVED SHOULDER, TYP
R/W
W1-2R 36"x36"
30 MPH
W13-1 18"x18"
CITY/TOWN SIGN
END PROJECT STA 33+67.3 Y=112,436.269 X=329,577.076
W1-2R 36"x36"
40 MPH
W13-1 18"x18"
SCENIC RIVERS ENERGY, TYP
EXTG POWER POLE, TYP
P/L
P/L

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PERMANENT SIGNING & PAVEMENT MARKING PLAN	SHEET 17	E

2



GENERAL TRAFFIC CONTROL NOTES

PLACE TRAFFIC CONTROL SIGNING AND BARRICADES ON VINEYARD ROAD ACCORDING TO DETAIL "C" OF SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND DETAIL "E" OF SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" AND AS SHOWN.

PLACE TRAFFIC CONTROL SIGNING AND BARRICADES ON WILDERNESS ROAD ACCORDING TO DETAIL "4" OF SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

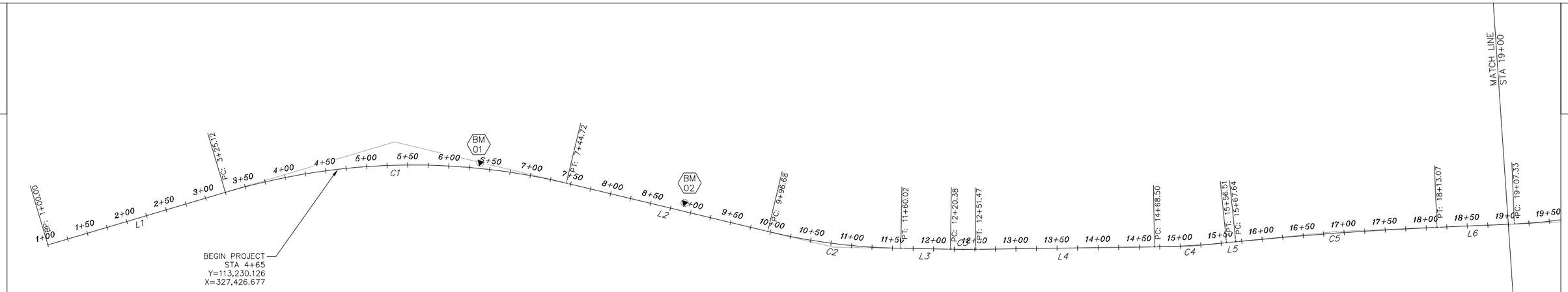
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

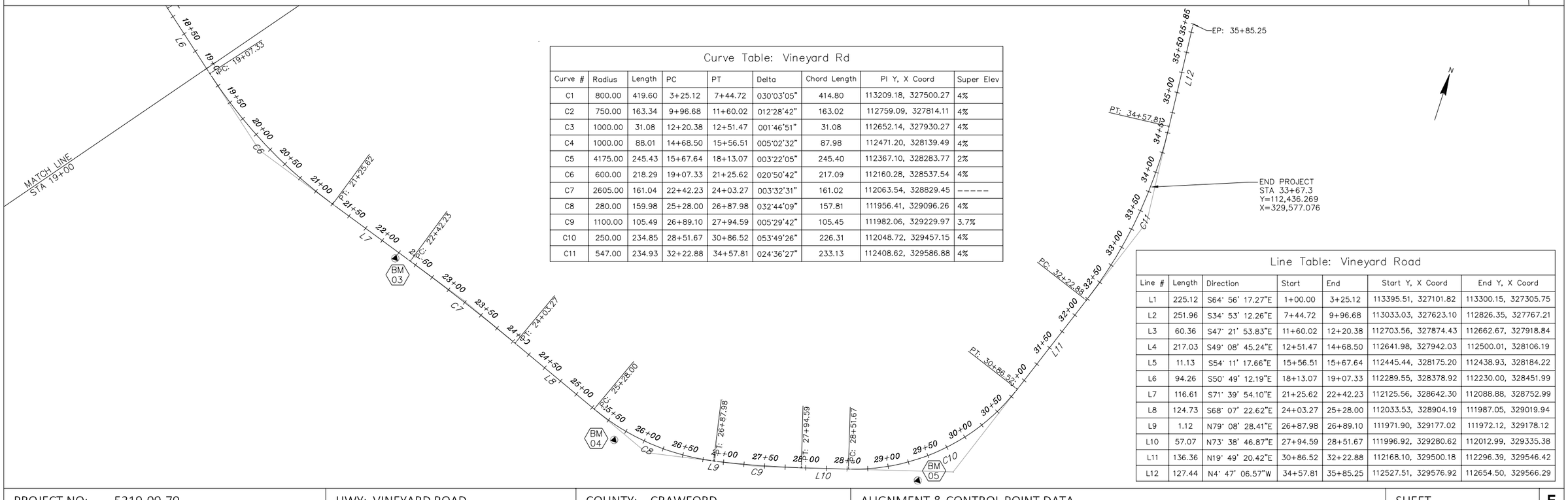
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

TEMPORARY STOP SIGNS SHALL BE SUPPORTED ON WOOD POSTS, OR AS DIRECTED BY ENGINEER.

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	TRAFFIC CONTROL PLAN	SHEET 18	E



NO.	DESCRIPTION	LOCATION	STATION/OFFSET	Y COORD	X COORD	ELEV
1	MAG NAIL	Vineyard Rd, North Edge of Pavement	6+37.7, 7.1' LT	113,121.2300'	327,561.4280'	731.62
2	MAG NAIL	Vineyard Rd, North Edge of Pavement	8+90.4, 10.2' LT	112,919.3670'	327,714.7300'	735.32
3	MAG NAIL	Vineyard Rd, South Edge of Pavement	22+25.4, 8.0' RT	112,086.5930'	328,734.5070'	757.80
4	MAG NAIL	Vineyard Rd, Gravel Driveway, 5.5' South of South Edge of Pavement	25+68.2, 16.3' RT	111,958.9840'	329,054.4290'	754.29
5	MAG NAIL	Vineyard Rd, 12.9' South of South Edge of Pavement	29+30.0, 24.0' RT	112,025.6330'	329,419.6560'	728.15



Curve Table: Vineyard Rd

Curve #	Radius	Length	PC	PT	Delta	Chord Length	PI Y, X Coord	Super Elev
C1	800.00	419.60	3+25.12	7+44.72	030°03'05"	414.80	113209.18, 327500.27	4%
C2	750.00	163.34	9+96.68	11+60.02	012°28'42"	163.02	112759.09, 327814.11	4%
C3	1000.00	31.08	12+20.38	12+51.47	001°46'51"	31.08	112652.14, 327930.27	4%
C4	1000.00	88.01	14+68.50	15+56.51	005°02'32"	87.98	112471.20, 328139.49	4%
C5	4175.00	245.43	15+67.64	18+13.07	003°22'05"	245.40	112367.10, 328283.77	2%
C6	600.00	218.29	19+07.33	21+25.62	020°50'42"	217.09	112160.28, 328537.54	4%
C7	2605.00	161.04	22+42.23	24+03.27	003°32'31"	161.02	112063.54, 328829.45	-----
C8	280.00	159.98	25+28.00	26+87.98	032°44'09"	157.81	111956.41, 329096.26	4%
C9	1100.00	105.49	26+89.10	27+94.59	005°29'42"	105.45	111982.06, 329229.97	3.7%
C10	250.00	234.85	28+51.67	30+86.52	053°49'26"	226.31	112048.72, 329457.15	4%
C11	547.00	234.93	32+22.88	34+57.81	024°36'27"	233.13	112408.62, 329586.88	4%

Line Table: Vineyard Road

Line #	Length	Direction	Start	End	Start Y, X Coord	End Y, X Coord
L1	225.12	S64° 56' 17.27"E	1+00.00	3+25.12	113395.51, 327101.82	113300.15, 327305.75
L2	251.96	S34° 53' 12.26"E	7+44.72	9+96.68	113033.03, 327623.10	112826.35, 327767.21
L3	60.36	S47° 21' 53.83"E	11+60.02	12+20.38	112703.56, 327874.43	112662.67, 327918.84
L4	217.03	S49° 08' 45.24"E	12+51.47	14+68.50	112641.98, 327942.03	112500.01, 328106.19
L5	11.13	S54° 11' 17.66"E	15+56.51	15+67.64	112445.44, 328175.20	112438.93, 328184.22
L6	94.26	S50° 49' 12.19"E	18+13.07	19+07.33	112289.55, 328378.92	112230.00, 328451.99
L7	116.61	S71° 39' 54.10"E	21+25.62	22+42.23	112125.56, 328642.30	112088.88, 328752.99
L8	124.73	S68° 07' 22.62"E	24+03.27	25+28.00	112033.53, 328904.19	111987.05, 329019.94
L9	1.12	N79° 08' 28.41"E	26+87.98	26+89.10	111971.90, 329177.02	111972.12, 329178.12
L10	57.07	N73° 38' 46.87"E	27+94.59	28+51.67	111996.92, 329280.62	112012.99, 329335.38
L11	136.36	N19° 49' 20.42"E	30+86.52	32+22.88	112168.10, 329500.18	112296.39, 329546.42
L12	127.44	N4° 47' 06.57"W	34+57.81	35+85.25	112527.51, 329576.92	112654.50, 329566.29

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	ALIGNMENT & CONTROL POINT DATA	SHEET 19	E

Estimate Of Quantities

5319-00-70

Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	4.000	4.000
0004	205.0100	Excavation Common	CY	3,500.000	3,500.000
0006	213.0100	Finishing Roadway (project) 01. 5319-00-70	EACH	1.000	1.000
0008	305.0110	Base Aggregate Dense 3/4-Inch	TON	328.000	328.000
0010	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	5,800.000	5,800.000
0012	310.0115	Base Aggregate Open-Graded	CY	90.000	90.000
0014	455.0605	Tack Coat	GAL	520.000	520.000
0016	460.2000	Incentive Density HMA Pavement	DOL	1,050.000	1,050.000
0018	460.6224	HMA Pavement 4 MT 58-28 S	TON	1,640.000	1,640.000
0020	522.0415	Culvert Pipe Reinforced Concrete Class IV 15-Inch	LF	83.000	83.000
0022	522.0418	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	52.000	52.000
0024	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	76.000	76.000
0026	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	4.000	4.000
0028	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	2.000	2.000
0030	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0032	606.0200	Riprap Medium	CY	20.000	20.000
0034	619.1000	Mobilization	EACH	1.000	1.000
0036	624.0100	Water	MGAL	61.000	61.000
0038	625.0500	Salvaged Topsoil	SY	7,000.000	7,000.000
0040	628.1504	Silt Fence	LF	2,800.000	2,800.000
0042	628.1520	Silt Fence Maintenance	LF	4,200.000	4,200.000
0044	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0046	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0048	628.2006	Erosion Mat Urban Class I Type A	SY	7,000.000	7,000.000
0050	628.7504	Temporary Ditch Checks	LF	100.000	100.000
0052	628.7555	Culvert Pipe Checks	EACH	4.000	4.000
0054	629.0210	Fertilizer Type B	CWT	5.000	5.000
0056	630.0130	Seeding Mixture No. 30	LB	150.000	150.000
0058	630.0500	Seed Water	MGAL	110.000	110.000
0060	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	16.000	16.000
0062	637.2230	Signs Type II Reflective F	SF	90.000	90.000
0064	642.5001	Field Office Type B	EACH	1.000	1.000
0066	643.0300	Traffic Control Drums	DAY	1,200.000	1,200.000
0068	643.0420	Traffic Control Barricades Type III	DAY	400.000	400.000
0070	643.0705	Traffic Control Warning Lights Type A	DAY	800.000	800.000
0072	643.0715	Traffic Control Warning Lights Type C	DAY	1,200.000	1,200.000
0074	643.0900	Traffic Control Signs	DAY	1,000.000	1,000.000
0076	643.5000	Traffic Control	EACH	1.000	1.000
0078	645.0120	Geotextile Type HR	SY	60.000	60.000
0080	646.6105	Marking Stop Line Paint 18-Inch	LF	50.000	50.000
0082	650.4500	Construction Staking Subgrade	LF	2,903.000	2,903.000
0084	650.5000	Construction Staking Base	LF	2,903.000	2,903.000
0086	650.6000	Construction Staking Pipe Culverts	EACH	4.000	4.000
0088	650.9911	Construction Staking Supplemental Control (project) 01. 5319-00-70	EACH	1.000	1.000
0090	650.9920	Construction Staking Slope Stakes	LF	2,903.000	2,903.000
0092	690.0150	Sawing Asphalt	LF	130.000	130.000
0094	740.0440	Incentive IRI Ride	DOL	2,200.000	2,200.000

DIVISION	FROM/TO STATION	LOCATION	EXCAVATION COMMON (1) CUT (2)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.20	MASS ORDINATE +/- (14)	WASTE (15)
DIVISION 1									
VINEYARD ROAD	4+65 to 33+67	Vineyard Road	3,500	534	2,966	586	703	2,263	2,263
VINEYARD TOTAL			3,500	534	2,966	586	703	2,263	
	TOTAL EXCAVATION COMMON		3,500						

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

BASE COURSE ITEMS

STATION TO STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	624.0100 WATER MGAL	REMARKS
4+65 - 33+67.3	PROJECT	5800	-	58	
4+65 - 33+67.3	PROJECT	-	290	3	
12+80	RT		20		DRIVEWAY
15+85	RT		18		TRAIL
PROJECT TOTAL		5800	328	61	

ASPHALTIC PAVEMENT ITEMS

STATION TO STATION	LOCATION	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
4+65 - 33+67.3	PROJECT	520	1640
PROJECT TOTAL		520	1640

SAWING ASPHALT

STATION	LOCATION	690.0150 SAWING ASPHALT LF
4+65 - 33+67.3	PROJECT	130
PROJECT TOTAL		130

MARKING STOP LINE PAINT 18-INCH

STATION	LOCATION	646.6105 MARKING STOP LINE PAINT 18-INCH LF
4+65 - 33+67.3	PROJECT	50
PROJECT TOTAL		50

CONSTRUCTION STAKING

STATION TO STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EA	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) EA	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
4+65 - 33+67.3	PROJECT	2903	2903	4	1	2903
PROJECT TOTAL		2903	2903	4	1	2903

TRAFFIC CONTROL DRUMS

STATION	LOCATION	643.0300 TRAFIIC CONTROL DRUMS DAY
4+65 - 33+67.3	PROJECT	1200
	PROJECT TOTAL	1200

TRAFFIC CONTROL BARRICADES TYPE III

STATION	LOCATION	643.0420 TRAFIIC CONTROL BARRICADES TYPE III DAY
4+65 - 33+67.3	PROJECT	400
	PROJECT TOTAL	400

TRAFFIC CONTROL WARNING LIGHTS TYPE A

STATION	LOCATION	643.0705 TRAFIIC CONTROL WARNING LIGHTS TYPE A DAY
4+65 - 33+67.3	PROJECT	800
	PROJECT TOTAL	800

TRAFFIC CONTROL WARNING LIGHTS TYPE C

STATION	LOCATION	643.0715 TRAFIIC CONTROL WARNING LIGTHS TYPE C DAY
4+65 - 33+67.3	PROJECT	1200
	PROJECT TOTAL	1200

TRAFFIC CONTROL SIGNS

STATION	LOCATION	643.0900 TRAFIIC CONTROL SIGNS DAY
4+65 - 33+67.3	PROJECT	1000
	PROJECT TOTAL	1000

TRAFFIC CONTROL (PROJECT)

STATION	LOCATION	643.5000 TRAFFIC CONTROL (PROJECT) ES
4+65 - 33+67.3	PROJECT	1
	PROJECT TOTAL	1

ALL ITEMS ARE ENGINEERING CATEGORY 0010 UNLESS OTHERWISE NOTED

CULVERT PIPE SUMMARY

STRUCTURE NUMBER	STRUCTURE TYPE	CENTER OF STRUCTURE STATION	LOCATION	TO STRUCTURE	INVERT ELEVATION	INLET PIPE INVERT ELEVATION	DISCHARGE PIPE OUTLET ELEVATION	SLOPE	BASE AGGREGATE OPEN-GRADED 310.0115 CY	203.0100 REMOVING SMALL PIPE CULVERTS EA	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EA	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EA	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EA	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0418 CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF
S1	ENDWALL	12+97.1	17.5' LT	ENDWALL(S2)	738.50	738.50	736.50	4.11%	18	1	1	-	-	43	-	-
S2	ENDWALL	13+18.8	19.7' RT	-	738.02	-	736.50	-	-	-	1	-	-	-	-	-
S3	ENDWALL	16+13.9	18.5' LT	ENDWALL (S4)	739.51	739.51	738.22	3.24%	18	1	1	-	-	40	-	-
S4	ENDWALL	16+14.7	21.4' RT	-	738.22	-	738.22	-	-	-	1	-	-	-	-	-
S5	ENDWALL	28+28.9	22.5' LT	ENDWALL (S6)	727.19	727.19	726.00	1.72%	32	1	-	-	1	-	-	69
S6	ENDWALL	28+77.5	34.5' RT	-	721.21	-	726.00	-	-	-	-	-	1	-	-	-
S7	ENDWALL	32+01.2	20.3' LT	ENDWALL (S8)	714.03	714.03	712.00	4.04%	22	1	-	1	-	-	50	-
S8	ENDWALL	32+04.4	31.6' RT	-	709.94	-	712.00	-	-	-	-	1	-	-	-	-
				PROJECT TOTAL	-	-	-	-	90	4	4	2	2	83	52	76

CULVERT PIPE EROSION CONTROL SUMMARY

STRUCTURE NUMBER	STRUCTURE TYPE	CENTER OF STRUCTURE STATION	LOCATION	628.7555 CULVERT PIPE CHECKS EA	645.0120 GEOTEXTILE TYPE HR SY	606.0200 RIPRAP MEDIUM CY
S1	ENDWALL	12+97.1	17.5' LT	1	-	-
S2	ENDWALL	13+18.8	19.7' RT	-	15	5
S3	ENDWALL	16+13.9	18.5' LT	1	-	-
S4	ENDWALL	16+14.7	21.4' RT	-	15	5
S5	ENDWALL	28+28.9	22.5' LT	1	-	-
S6	ENDWALL	28+77.5	34.5' RT	-	15	5
S7	ENDWALL	32+01.2	20.3' LT	1	-	-
S8	ENDWALL	32+04.4	31.6' RT	-	15	5
			PROJECT TOTAL	4	60	20

SIGNING

STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIZE	634.0618 POSTS WOOD 4X6-INCH 18-FT	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
16+01	RT	W1-2L	ADVANCED WARNING-CURVE LT	36X36	1	9.00	
16+01	RT	W13-1	ADVANCED WARNING-40MPH	18X18	1	2.25	
22+00	RT	W1-2L	ADVANCED WARNING-CURVE LT	36X36	1	9.00	
22+00	RT	W13-1	ADVANCED WARNING-30MPH	18X18	1	2.25	
24+50	LT	W1-2R	ADVANCED WARNING-CURVE RT	36X36	1	9.00	
24+50	LT	W13-1	ADVANCED WARNING-40MPH	18X18	1	2.25	
28+16	LT	W1-2R	ADVANCED WARNING-CURVE RT	36X36	1	9.00	
28+16	LT	W13-1	ADVANCED WARNING-30MPH	18X18	1	2.25	
28+26	RT	W1-2L	ADVANCED WARNING-CURVE LT	36X36	1	9.00	
28+26	RT	W13-1	ADVANCED WARNING-30MPH	18X18	1	2.25	
31+35	RT	W1-2L	ADVANCED WARNING-CURVE LT	36X36	1	9.00	
31+35	RT	W13-1	ADVANCED WARNING-40MPH	18X18	1	2.25	
32+00	LT	W1-2R	ADVANCED WARNING-CURVE RT	36X36	1	9.00	
32+00	LT	W13-1	ADVANCED WARNING-30MPH	18X18	1	2.25	
35+50	LT	W1-2R	ADVANCED WARNING-CURVE RT	36X36	1	9.00	
35+50	LT	W13-1	ADVANCED WARNING-40MPH	18X18	1	2.25	
			PROJECT TOTAL	--	16	90.00	

ALL ITEMS ARE ENGINEERING CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TOPSOIL

STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY
4+65 - 33+67.3	PROJECT	7000
PROJECT TOTAL		7000

MOBILIZATION EROSION CONTROL

STATION	LOCATION	628.1905 MOBILIZATION EROSION CONTROL EA
4+65 - 33+67.3	PROJECT	2
PROJECT TOTAL		2

MOBILIZATION EMERGENCY EROSION CONTROL

STATION	LOCATION	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EA
4+65 - 33+67.3	PROJECT	2
PROJECT TOTAL		2

EROSION MAT URBAN CLASS I TYPE A

STATION	LOCATION	628.2006 EROSION MAT URBAN CLASS I TYPE A SY
4+65 - 33+67.3	PROJECT	7000
PROJECT TOTAL		7000

TEMPORARY DITCH CHECKS

STATION TO STATION	LOCATION	628.7504 TEMPORARY DITCH CHECKS LF
4+65 - 33+67.3	PROJECT	100
PROJECT TOTAL		100

SILT FENCE

STATION	LOCATION	628.1504 SILT FENCE LF
4+65 - 33+67.3	PROJECT	2800
PROJECT TOTAL		2800

SILT FENCE MAINTENANCE

STATION	LOCATION	628.1520 SILT FENCE MAINTENANCE LF
4+65 - 33+67.3	PROJECT	4200
PROJECT TOTAL		4200

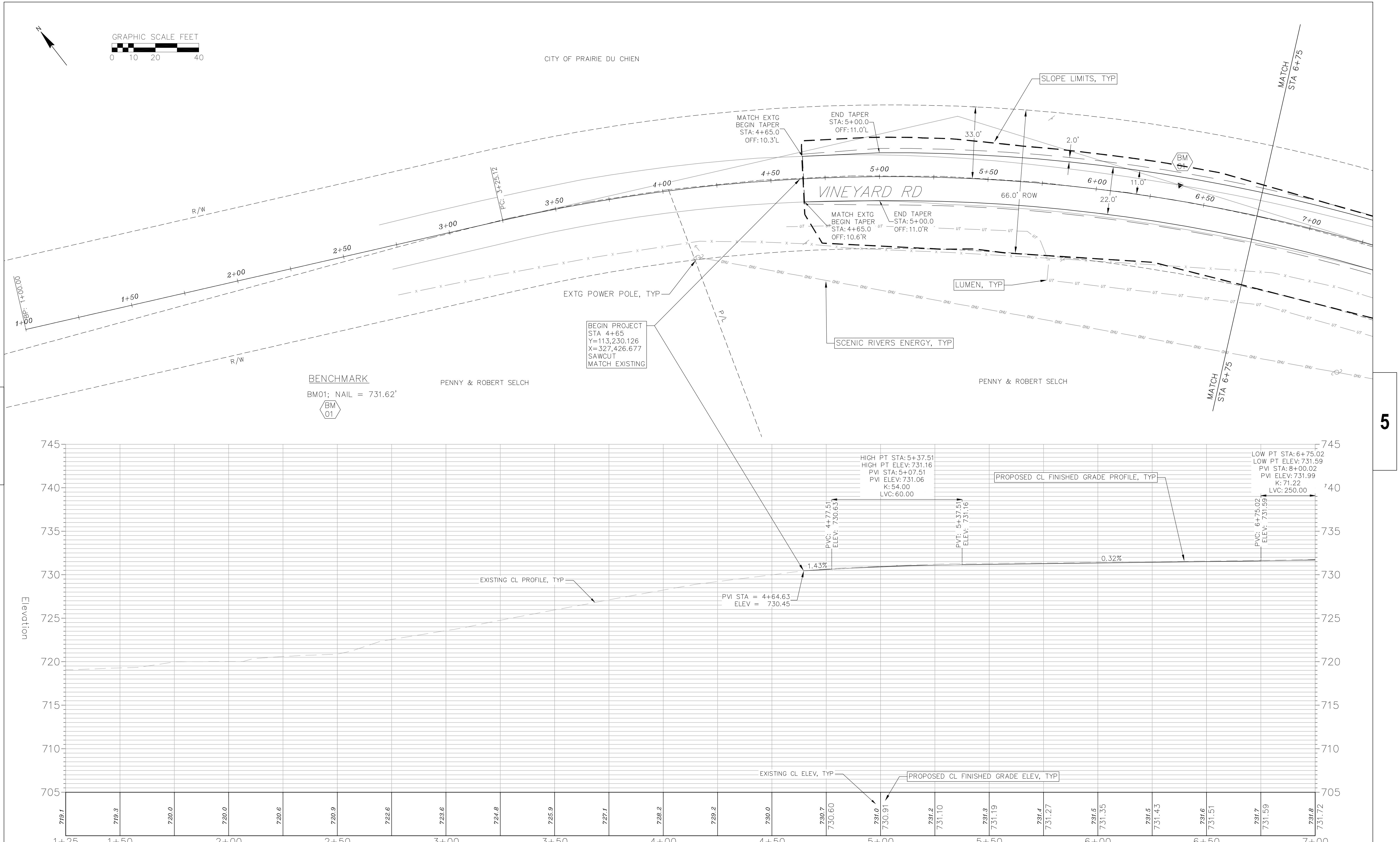
FERTILZER TYPE B

STATION	LOCATION	629.0210 FERTILIZER TYPE B CWT
4+65 - 33+67.3	PROJECT	5
PROJECT TOTAL		5

SEEDING MIXTURE NO. 30

STATION	LOCATION	630.0130 SEEDING MIXTURE NO. 30 LB	630.0500 SEED WATER MGAL
4+65 - 33+67.3	PROJECT	150	110
PROJECT TOTAL		150	110

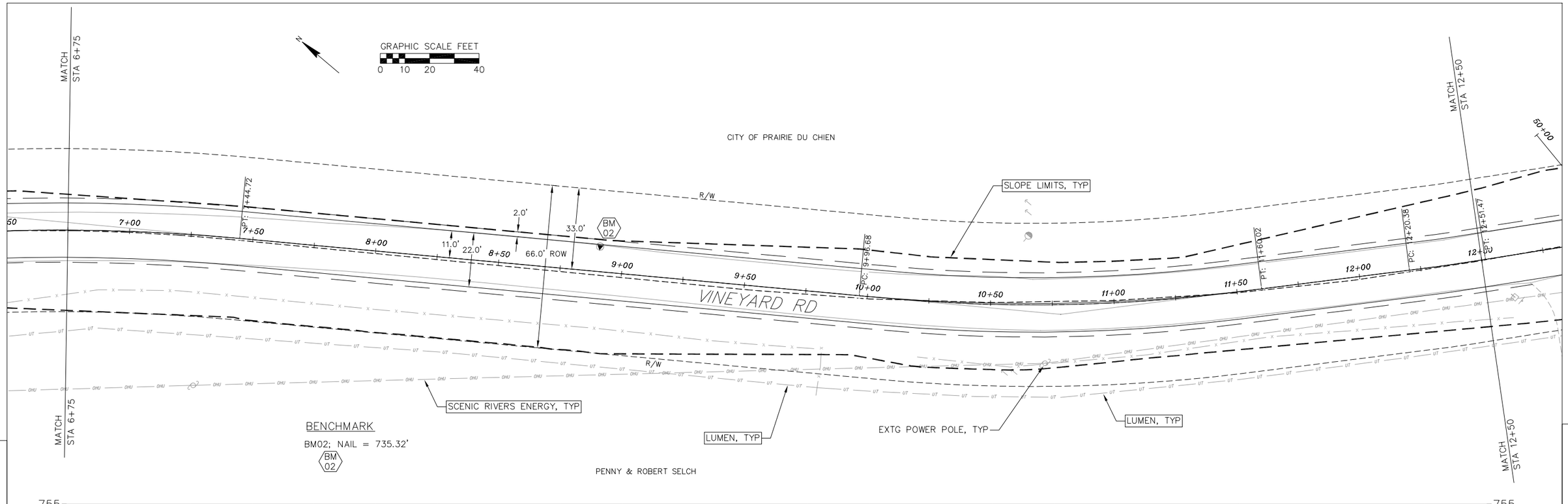
ALL ITEMS ARE ENGINEERING CATEGORY 0010 UNLESS OTHERWISE NOTED



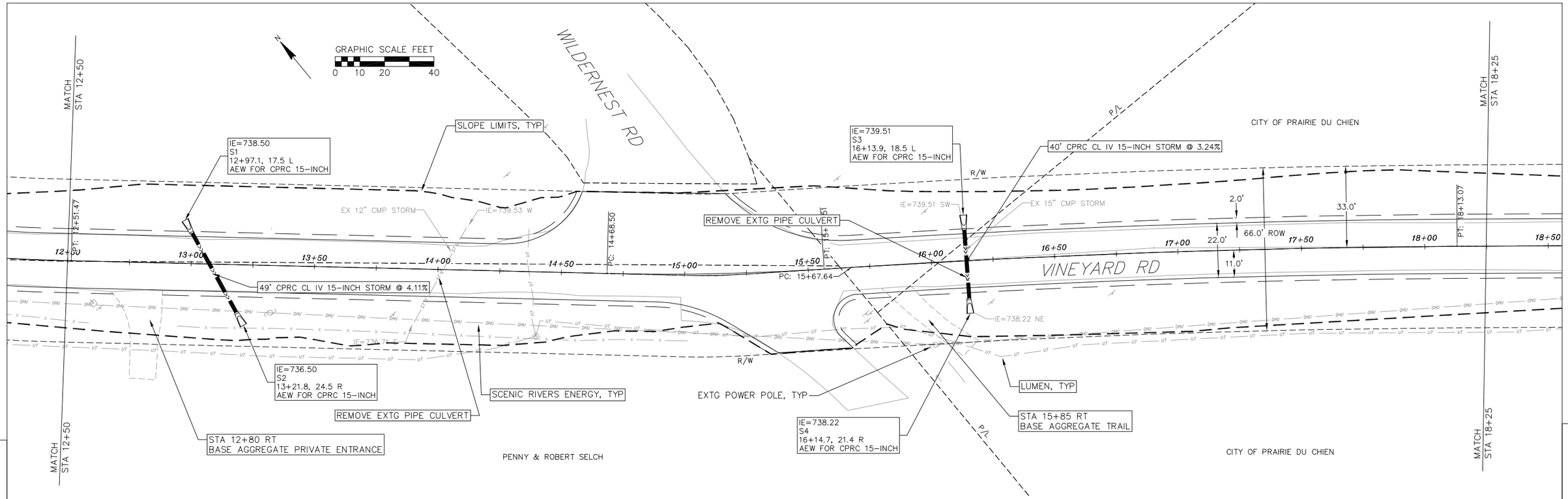
GRAPHIC SCALE FEET
0 10 20 40
CITY OF PRAIRIE DU CHIEN
SLOPE LIMITS, TYP
MATCH STA 6+75
MATCH EXTG
BEGIN TAPER
STA: 4+65.0
OFF: 10.3'L
END TAPER
STA: 5+00.0
OFF: 11.0'L
33.0'
2.0'
BM 01
VINEYARD RD
66.0' ROW
11.0'
22.0'
MATCH EXTG
BEGIN TAPER
STA: 4+65.0
OFF: 10.6'R
END TAPER
STA: 5+00.0
OFF: 11.0'R
R/W
PC: 3+25.12
BOP: 1+00.00
EXTG POWER POLE, TYP
LUMEN, TYP
BEGIN PROJECT
STA 4+65
Y=113,230.126
X=327,426.677
SAWCUT
MATCH EXISTING
SCENIC RIVERS ENERGY, TYP
BENCHMARK
BM01; NAIL = 731.62'
PENNY & ROBERT SELCH
PENNY & ROBERT SELCH
5
5
HIGH PT STA: 5+37.51
HIGH PT ELEV: 731.16
PVI STA: 5+07.51
PVI ELEV: 731.06
K: 54.00
LVC: 60.00
LOW PT STA: 6+75.02
LOW PT ELEV: 731.59
PVI STA: 8+00.02
PVI ELEV: 731.99
K: 71.22
LVC: 250.00
PROPOSED CL FINISHED GRADE PROFILE, TYP
PVC: 4+77.51 ELEV: 730.63
PVT: 5+37.51 ELEV: 731.16
PVC: 6+75.02 ELEV: 731.59
1.43%
0.32%
EXISTING CL PROFILE, TYP
PVI STA = 4+64.63
ELEV = 730.45
Elevation
745 740 735 730 725 720 715 710 705
EXISTING CL ELEV, TYP
PROPOSED CL FINISHED GRADE ELEV, TYP
719.1 719.3 720.0 720.0 720.6 720.9 722.6 723.6 724.8 725.9 727.1 728.2 729.2 730.0 730.7 731.0 731.2 731.3 731.4 731.5 731.5 731.6 731.7 731.8
730.60 730.91 731.10 731.19 731.27 731.35 731.43 731.51 731.59 731.72
1+25 1+50 2+00 2+50 3+00 3+50 4+00 4+50 5+00 5+50 6+00 6+50 7+00

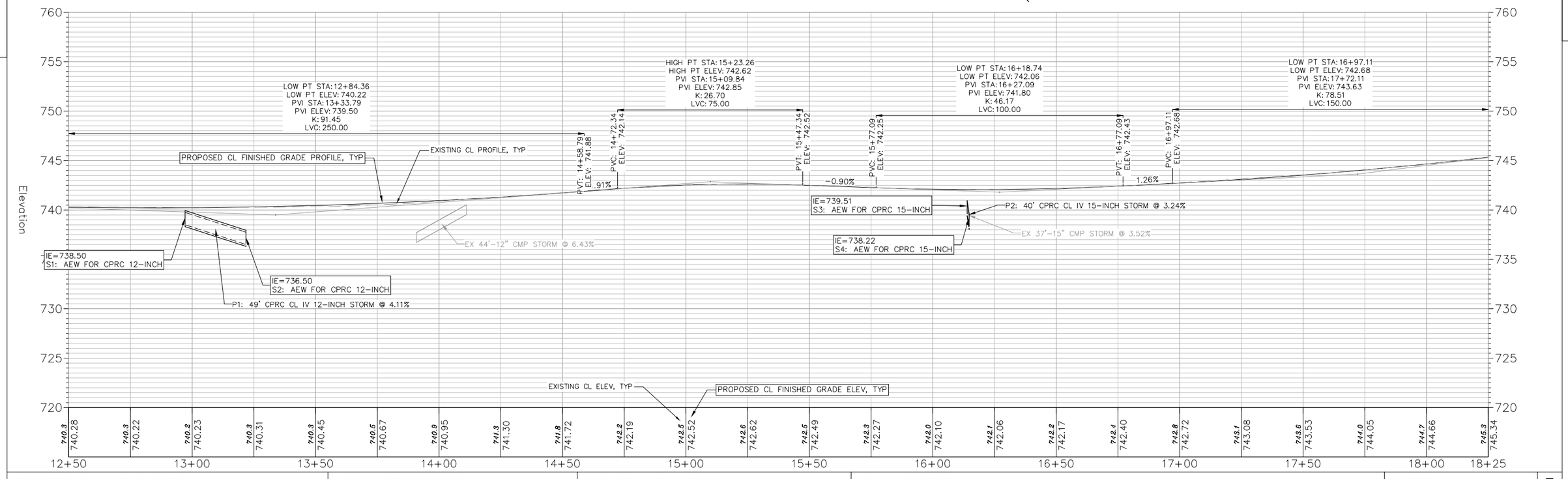
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PLAN & PROFILE	SHEET 24	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - ST1
PLOT DATE : 10/29/2024 2:04 PM PLOT BY : PAUL JUNION PLOT NAME : ____________ PLOT SCALE : 1 IN=20FT
WISDOT/CADDS SHEET 42

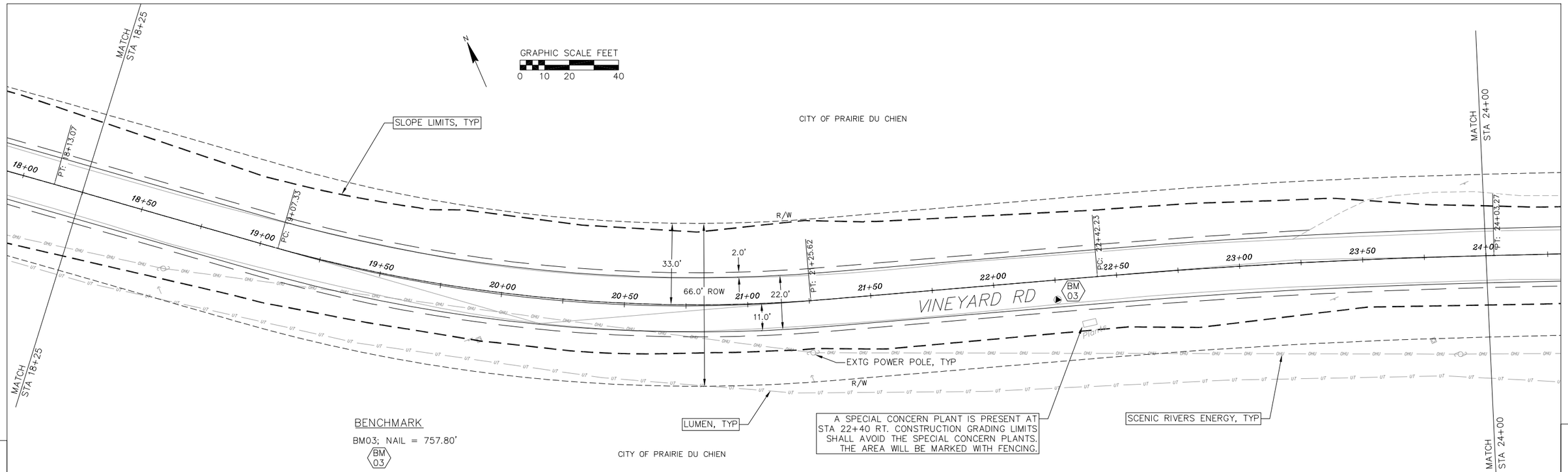


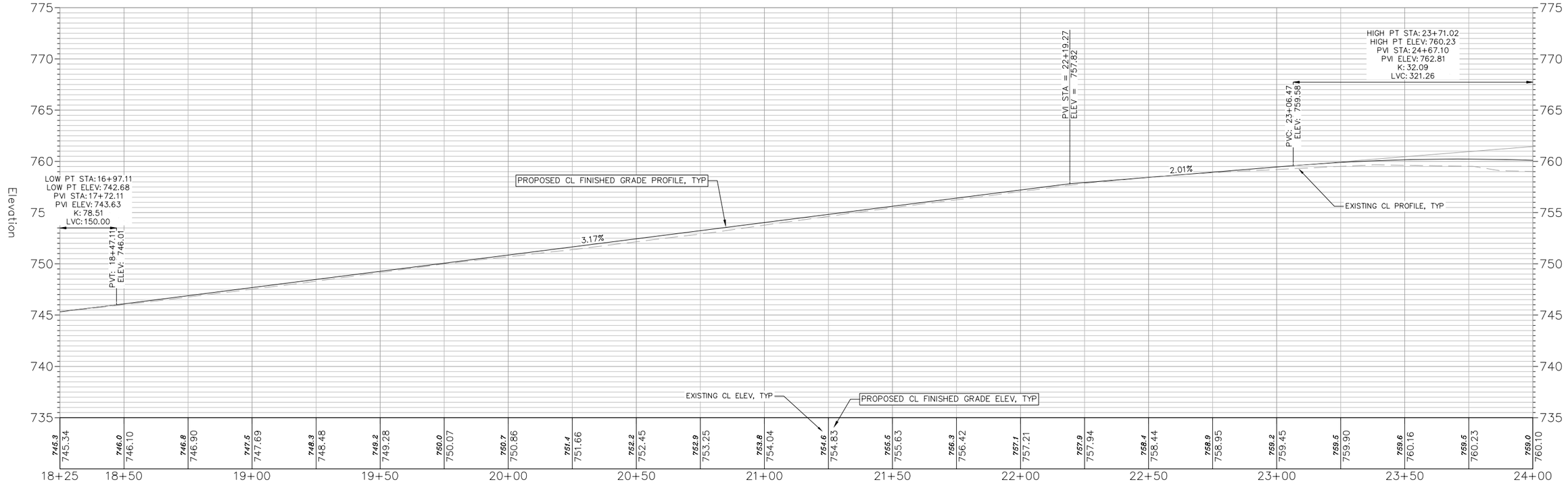
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PLAN & PROFILE	SHEET 25	E



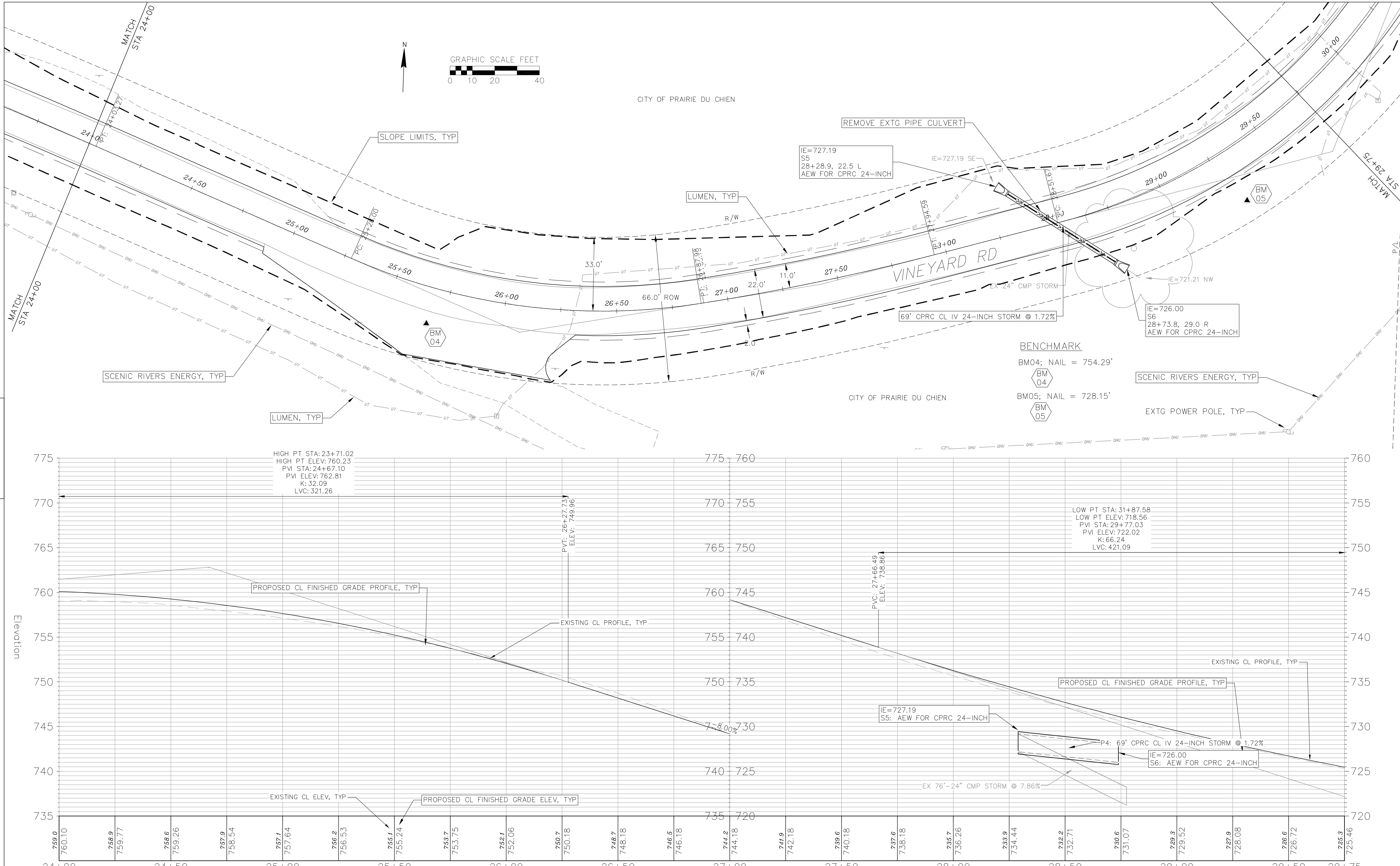


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PLAN & PROFILE	SHEET 26	E





PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PLAN & PROFILE	SHEET 27	E



MATCH STA 24+00
GRAPHIC SCALE FEET
0 10 20 40
CITY OF PRAIRIE DU CHIEN
SLOPE LIMITS, TYP
REMOVE EXTG PIPE CULVERT
IE=727.19
S5
28+28.9, 22.5 L
AEW FOR CPRC 24-INCH
IE=727.19 SE
LUMEN, TYP
R/W
VINEYARD RD
33.0'
66.0' ROW
22.0'
11.0'
2.0'
EX 24" CMP STORM
69' CPRC CL IV 24-INCH STORM @ 1.72%
IE=721.21 NW
IE=726.00
S6
28+73.8, 29.0 R
AEW FOR CPRC 24-INCH
BENCHMARK
BM04; NAIL = 754.29'
BM05; NAIL = 728.15'
SCENIC RIVERS ENERGY, TYP
EXTG POWER POLE, TYP
MATCH STA 29+75
HIGH PT STA: 23+71.02
HIGH PT ELEV: 760.23
PVI STA: 24+67.10
PVI ELEV: 762.81
K: 32.09
LVC: 321.26
PVT: 26+27.73
ELEV: 749.96
PROPOSED CL FINISHED GRADE PROFILE, TYP
EXISTING CL PROFILE, TYP
Elevation
-8.00%
EXISTING CL ELEV, TYP
PROPOSED CL FINISHED GRADE ELEV, TYP
LOW PT STA: 31+87.58
LOW PT ELEV: 718.56
PVI STA: 29+77.03
PVI ELEV: 722.02
K: 66.24
LVC: 421.09
PVC: 27+66.49
ELEV: 738.86
IE=727.19
S5: AEW FOR CPRC 24-INCH
P4: 69' CPRC CL IV 24-INCH STORM @ 1.72%
IE=726.00
S6: AEW FOR CPRC 24-INCH
EX 76'-24" CMP STORM @ 7.86%
24+00 24+50 25+00 25+50 26+00 26+50 27+00 27+50 28+00 28+50 29+00 29+50 29+75

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PLAN & PROFILE	SHEET 28	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - ST5
PLOT DATE : 10/29/2024 2:05 PM PLOT BY : PAUL JUNION PLOT NAME : ____________ PLOT SCALE : 1 IN=20FT
WISDOT/CADDS SHEET 42

GRAPHIC SCALE FEET
0 10 20 40

CITY OF PRAIRIE DU CHIEN

MATCH STA 29+75

SLOPE LIMITS, TYP

LUMEN, TYP

BM 05

IE=714.03
S7
32+01.2, 20.3 L
AEW FOR CPRC 18-INCH

IE=714.03
EX 18" EW

PI: 30+66.52

PC: 32+22.98

33.0'

11.0'

22.0'

66.0' ROW

R/W

P/L

VINEYARD RD

START TAPER
STA: 33+16.5
OFF: 10.8'L

START TAPER
STA: 33+16.5
OFF: 11.2'R

MATCH EXTG
END TAPER
STA: 33+66.5
OFF: 9.8'L

MATCH EXTG
END TAPER
STA: 33+66.5
OFF: 10.2'R

PI: 34+57.81

SCENIC RIVERS ENERGY, TYP

EXTG POWER POLE, TYP

JOANNE E WHITE LIVING TRUST

EX 18" RCP STORM

REMOVE EXTG PIPE CULVERT

50' CPRC CL IV 18-INCH STORM @ 4.04%

IE=712.00
S8
32+04.4, 29.9 R
AEW FOR CPRC 18-INCH

IE=709.94 W

END PROJECT
STA 33+67.3
Y=112,436.269
X=329,577.076
SAWCUT
MATCH EXISTING

29+00 29+50 30+00 30+50 31+00 31+50 32+00 32+50 33+00 33+50 34+00 34+50 35+00 35+50

LOW PT STA: 31+87.58
LOW PT ELEV: 718.56
PVI STA: 29+77.03
PVI ELEV: 722.02
K: 66.24
LVC: 421.09

PVT: 31+87.58
ELEV: 718.56

PVI STA = 32+63.32
ELEV = 717.31

PVI STA = 33+66.86
ELEV = 717.50

PROPOSED CL FINISHED GRADE PROFILE, TYP

EXISTING CL PROFILE, TYP

-1.64%

0.18%

IE=714.03
S7: AEW FOR CPRC 18-INCH

P3: 50' CPRC CL IV 18-INCH STORM @ 4.04%

EX 52'-18" RCP STORM @ 7.87%

IE=712.00
S8: AEW FOR CPRC 18-INCH

Elevation

735 730 725 720 715 710 705 700 695

EXISTING CL ELEV, TYP

PROPOSED CL FINISHED GRADE ELEV, TYP

29+50	30+00	30+50	31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+25
726.6	725.3	724.2	723.2	722.2	721.2	720.3	719.5	718.7	718.2	717.8	717.7	717.6
726.72	725.46	724.29	723.22	722.25	721.36	720.57	719.88	719.28	718.78	718.35	717.94	717.53

717.4	717.3	717.3	717.4	717.5	717.6	717.6	717.5	717.6	717.8	717.2
717.33	717.38	717.42	717.47							

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	PLAN & PROFILE	SHEET 29	E

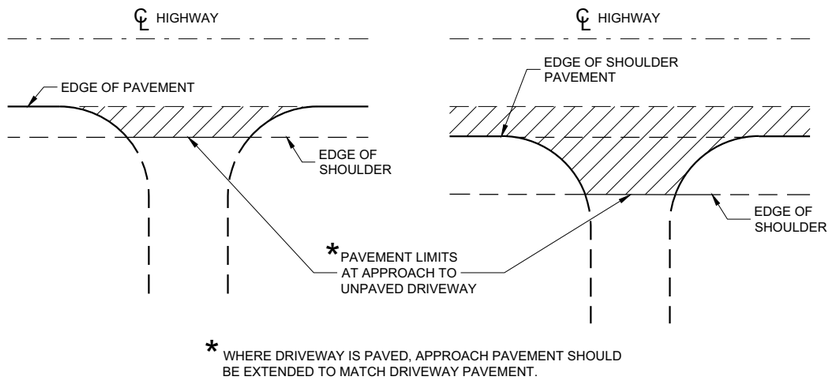
FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - ST6

PLOT DATE : 10/29/2024 2:05 PM PLOT BY : PAUL JUNION PLOT NAME : _____ PLOT SCALE : 1 IN=20FT

WISDOT/CADDS SHEET 42

Standard Detail Drawing List

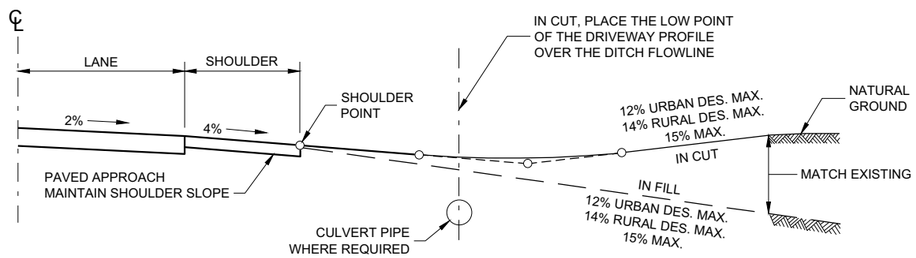
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING



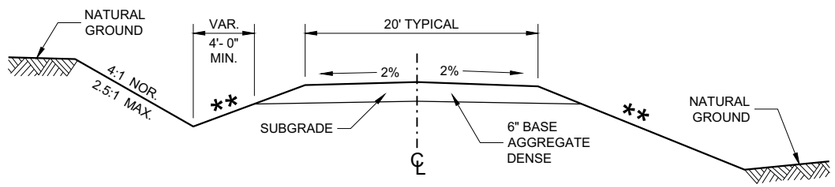
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

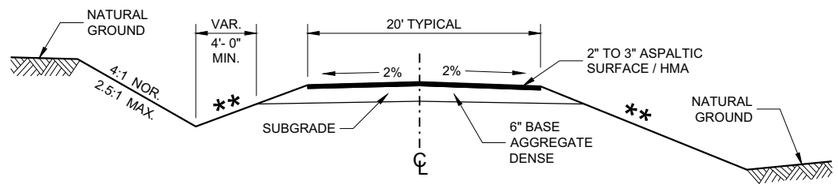


IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

SDD 08D21 - 01

6

SDD 08D21 - 01

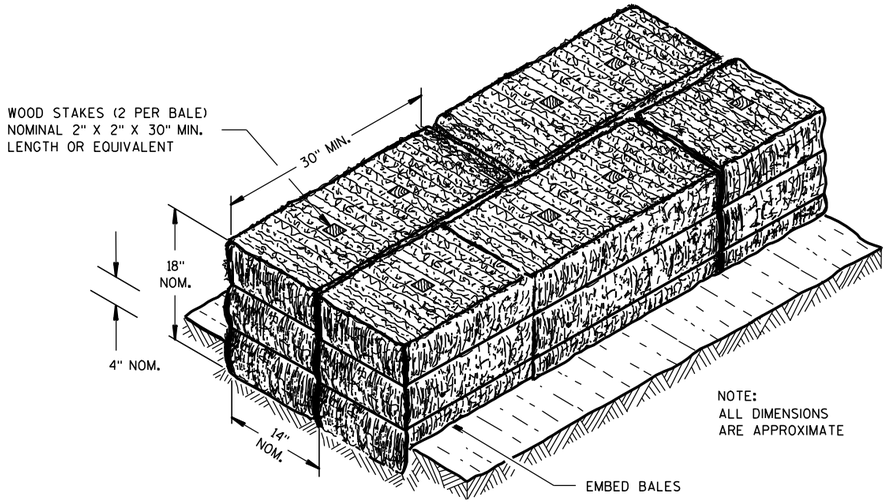
DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

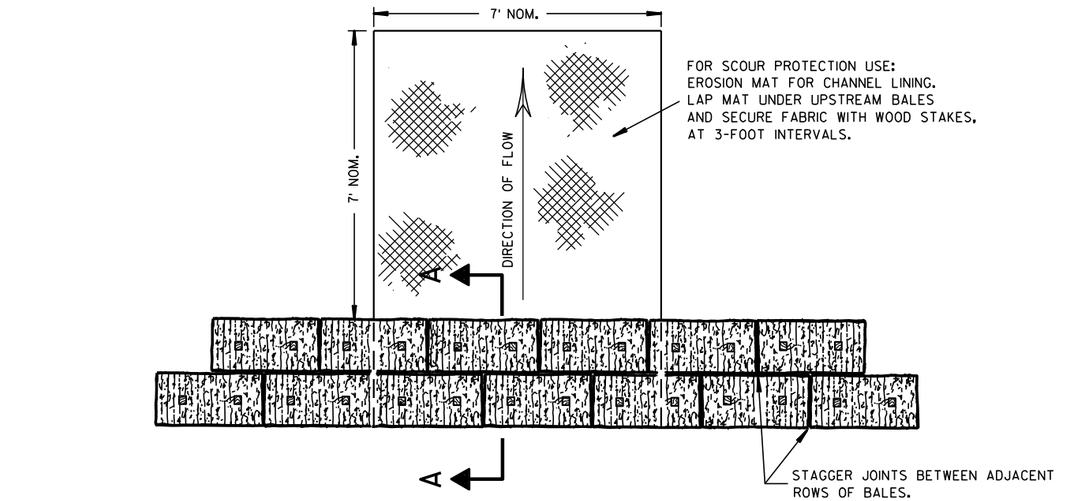
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

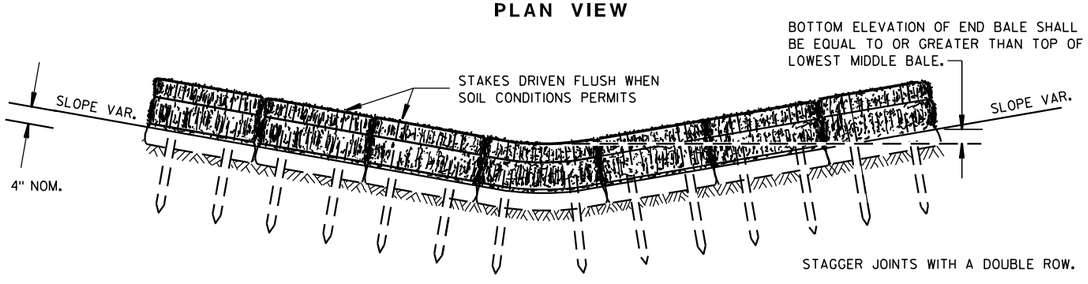
FHWA



SECTION A-A



PLAN VIEW



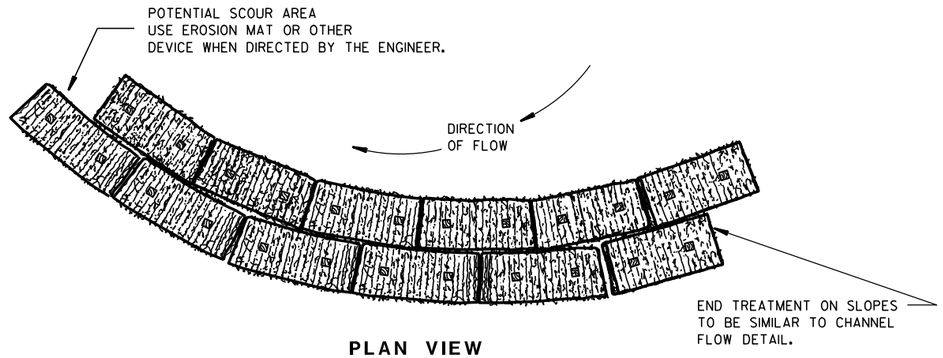
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

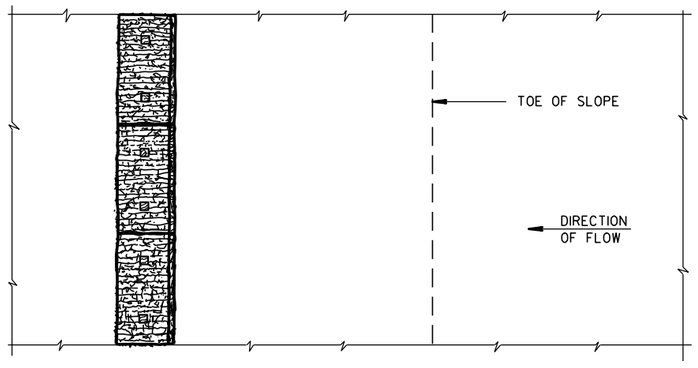
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

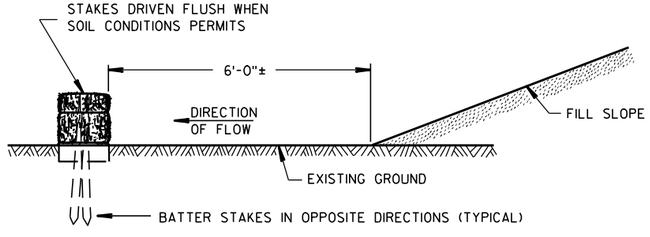


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

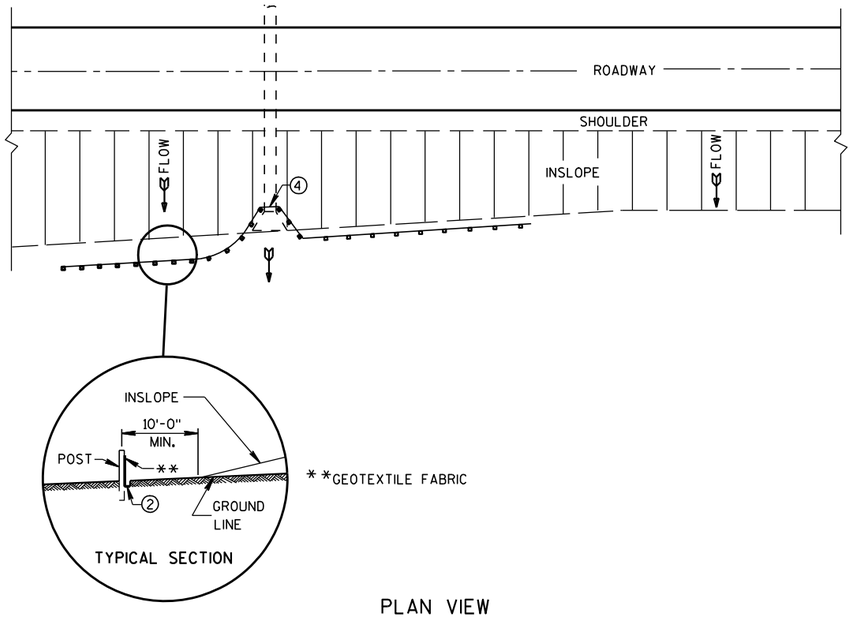
6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

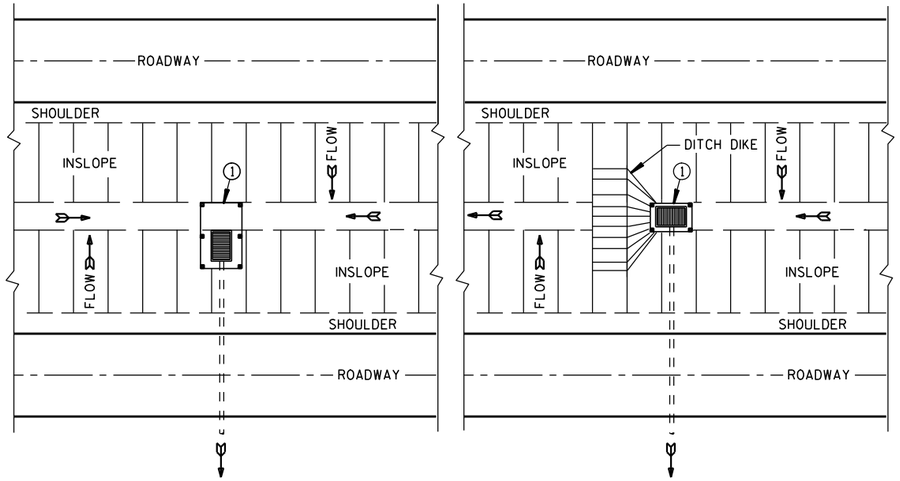
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



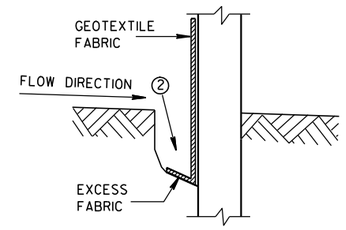
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

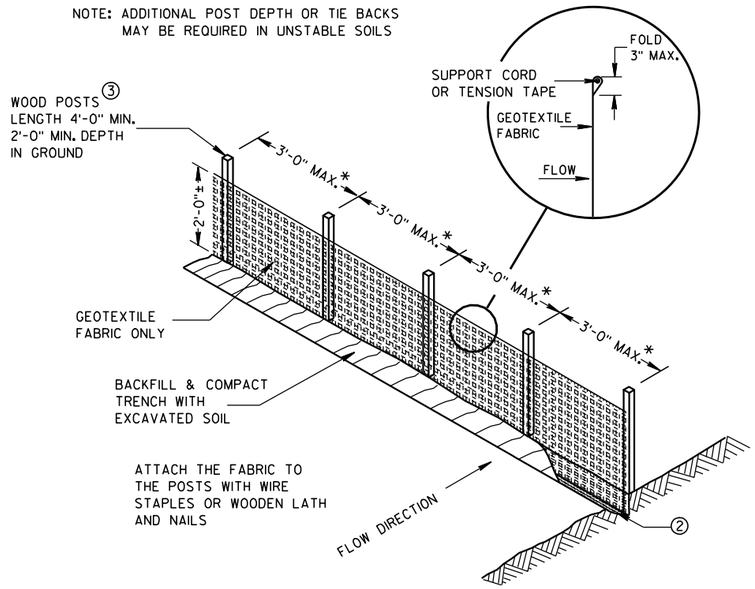
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

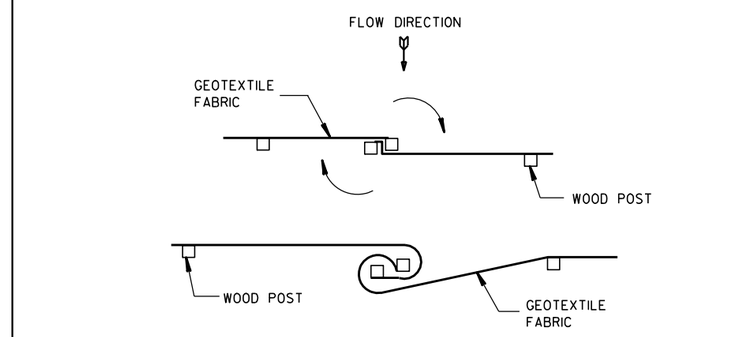
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



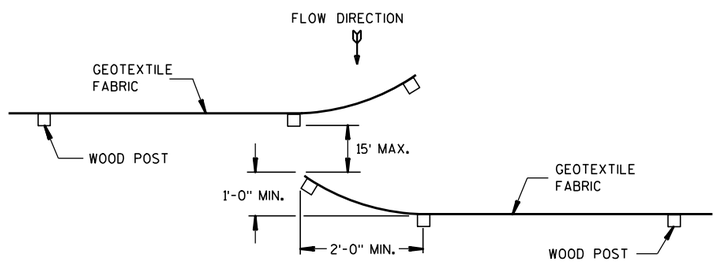
TRENCH DETAIL



SILT FENCE

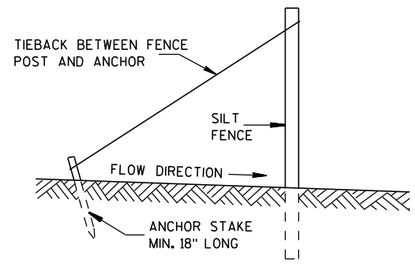


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 9-6

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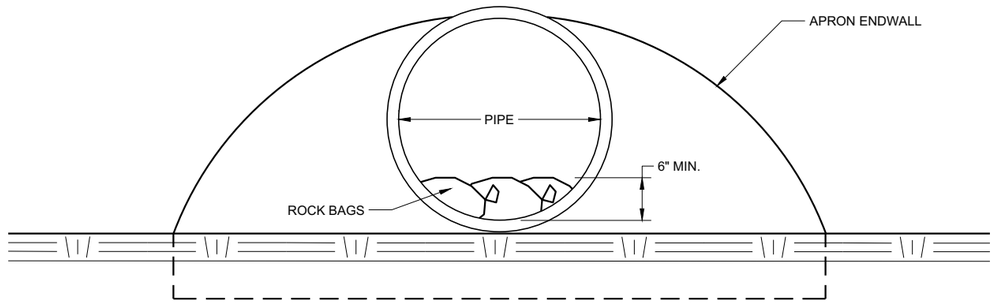
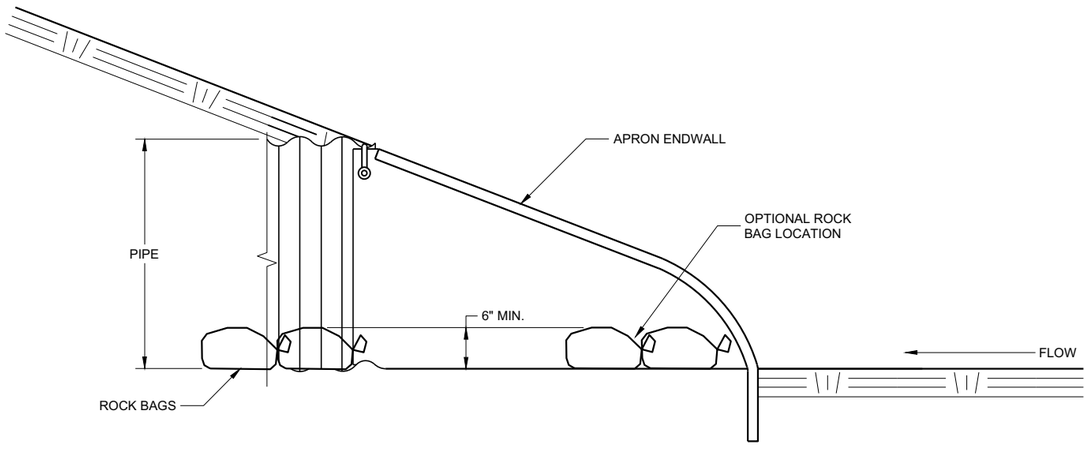
S.D.D. 8 E 9-6



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

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SDD 08E15 - 01

METAL APRON ENDWALLS

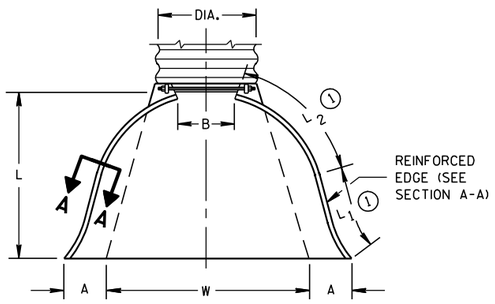
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

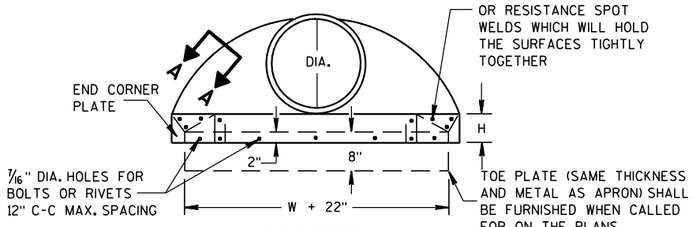
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

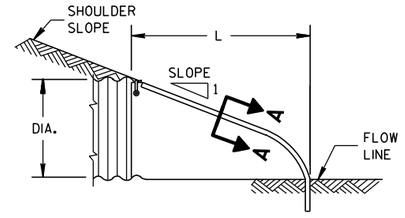
*MINIMUM
**MAXIMUM



PLAN VIEW

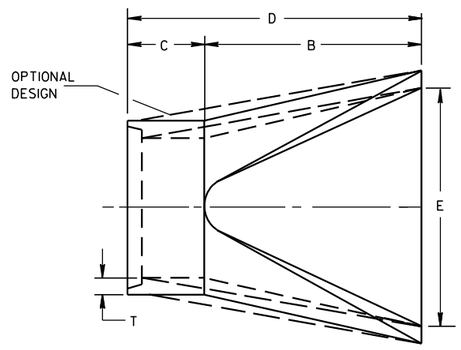


END VIEW

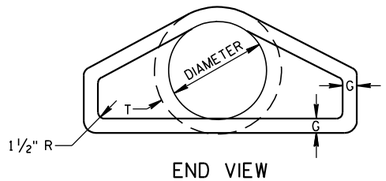


SIDE ELEVATION

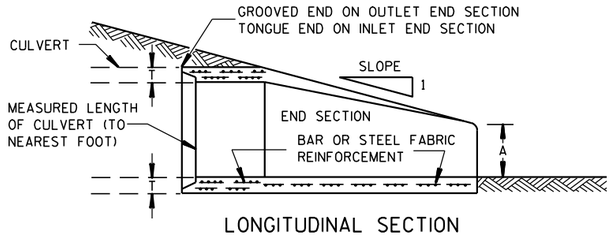
METAL ENDWALLS



PLAN

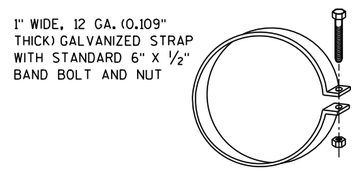


END VIEW



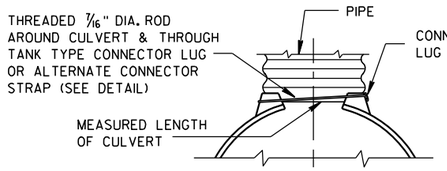
LONGITUDINAL SECTION

CONCRETE ENDWALLS

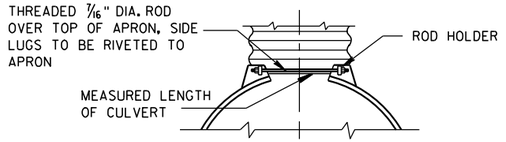


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

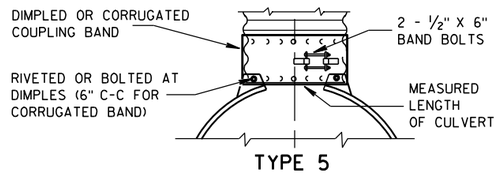


TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE

TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

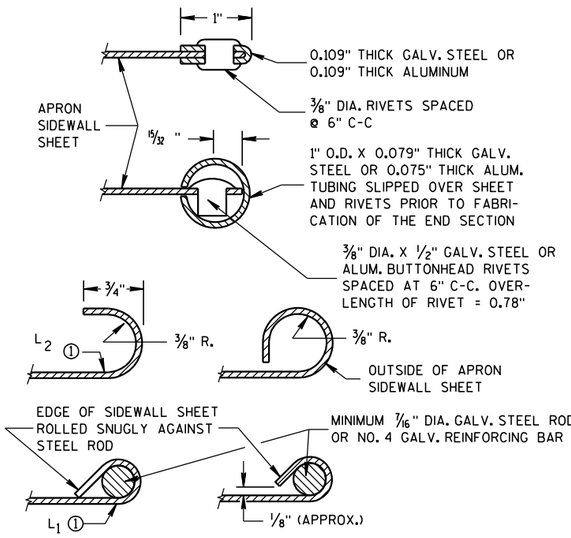
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

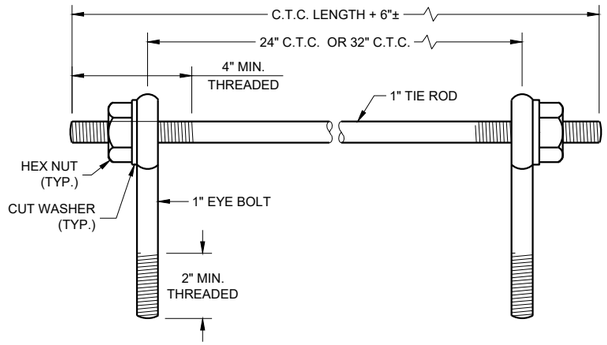
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

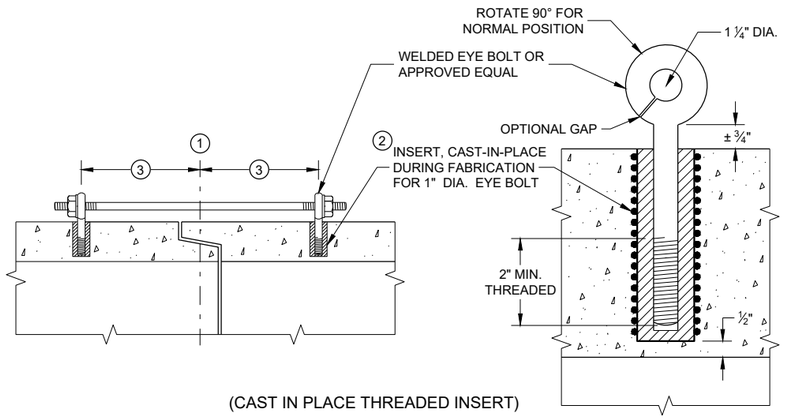
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

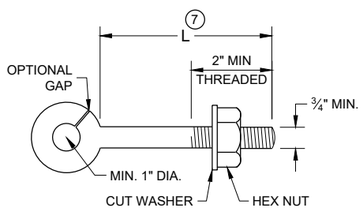
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

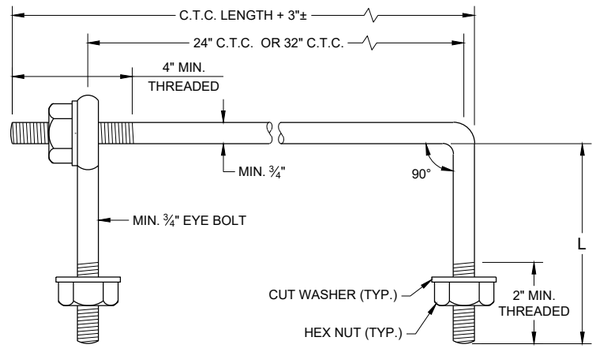
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

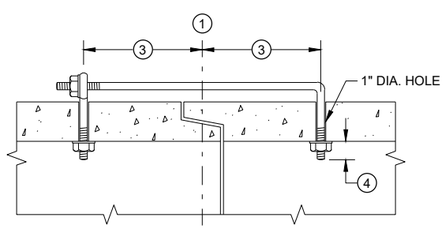


EYE BOLT (7)

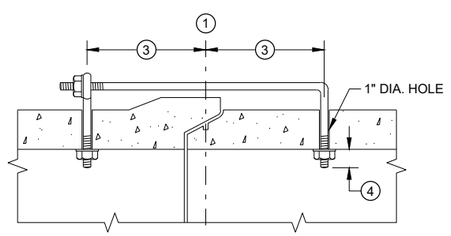
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

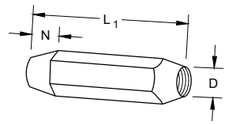
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

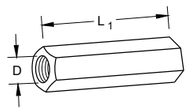
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



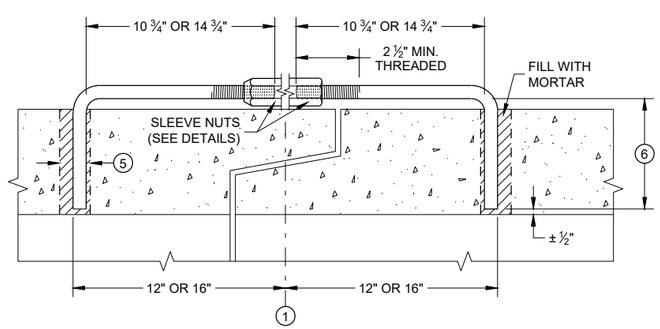
TAPERED



PLAIN

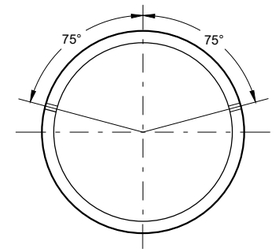
RIGHT AND LEFT THREADS

SLEEVE NUTS



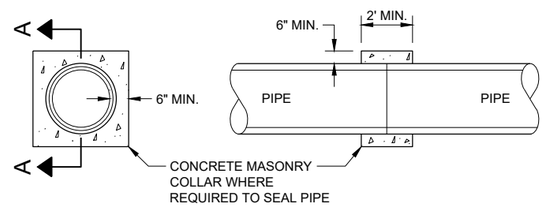
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

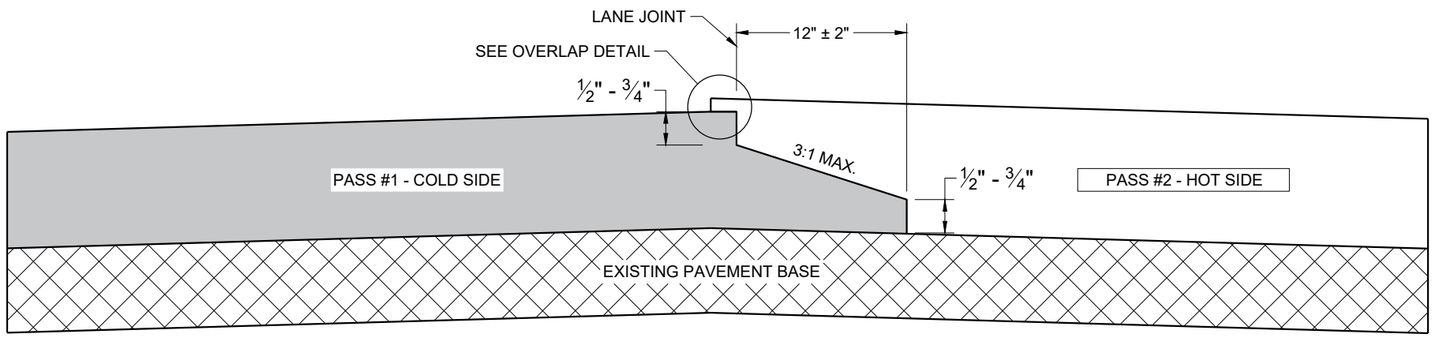
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

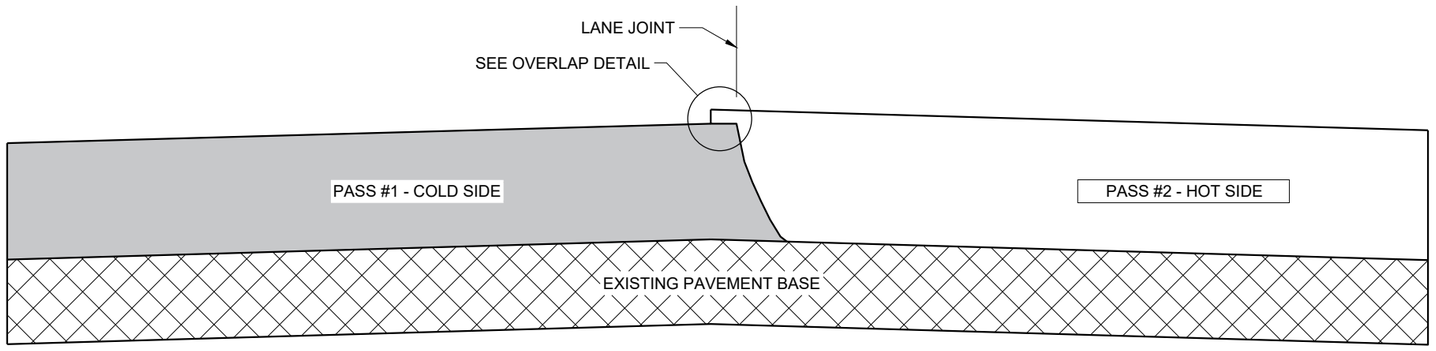
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

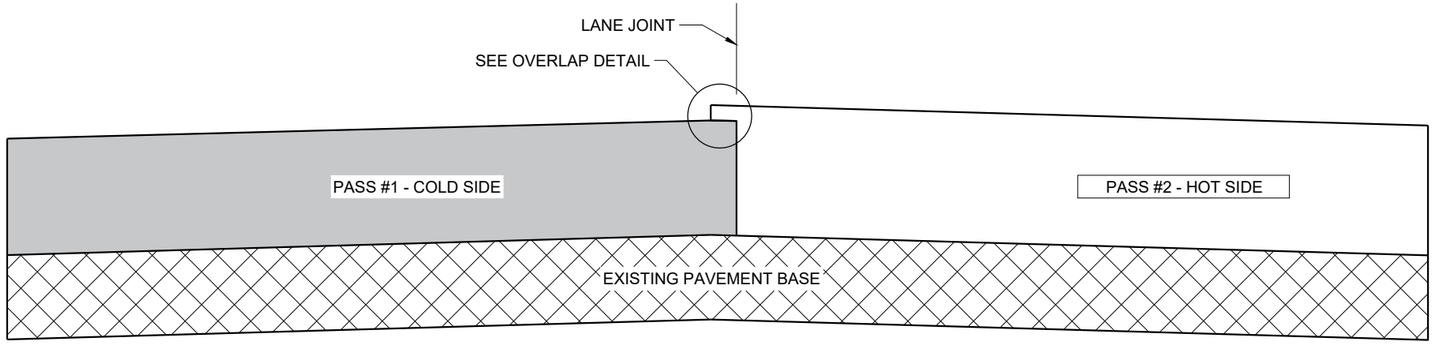
SDD 08F04 - 08



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

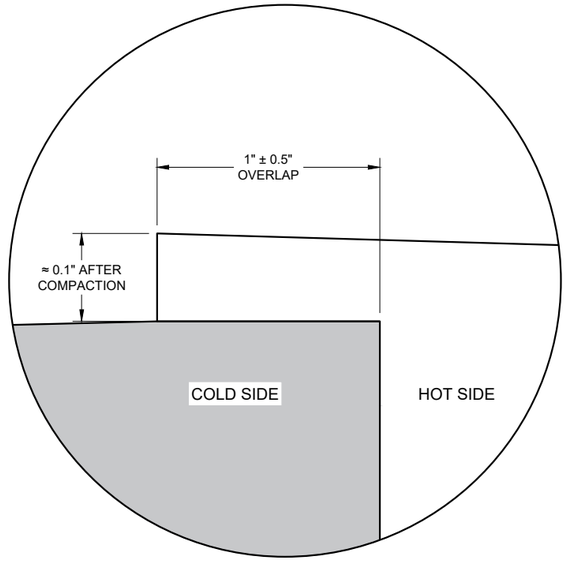
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

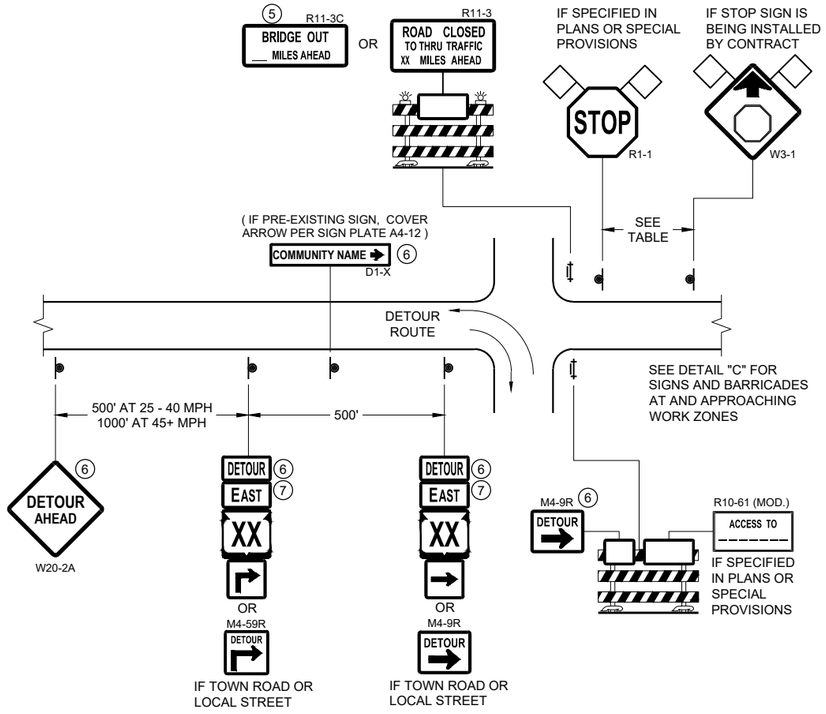
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

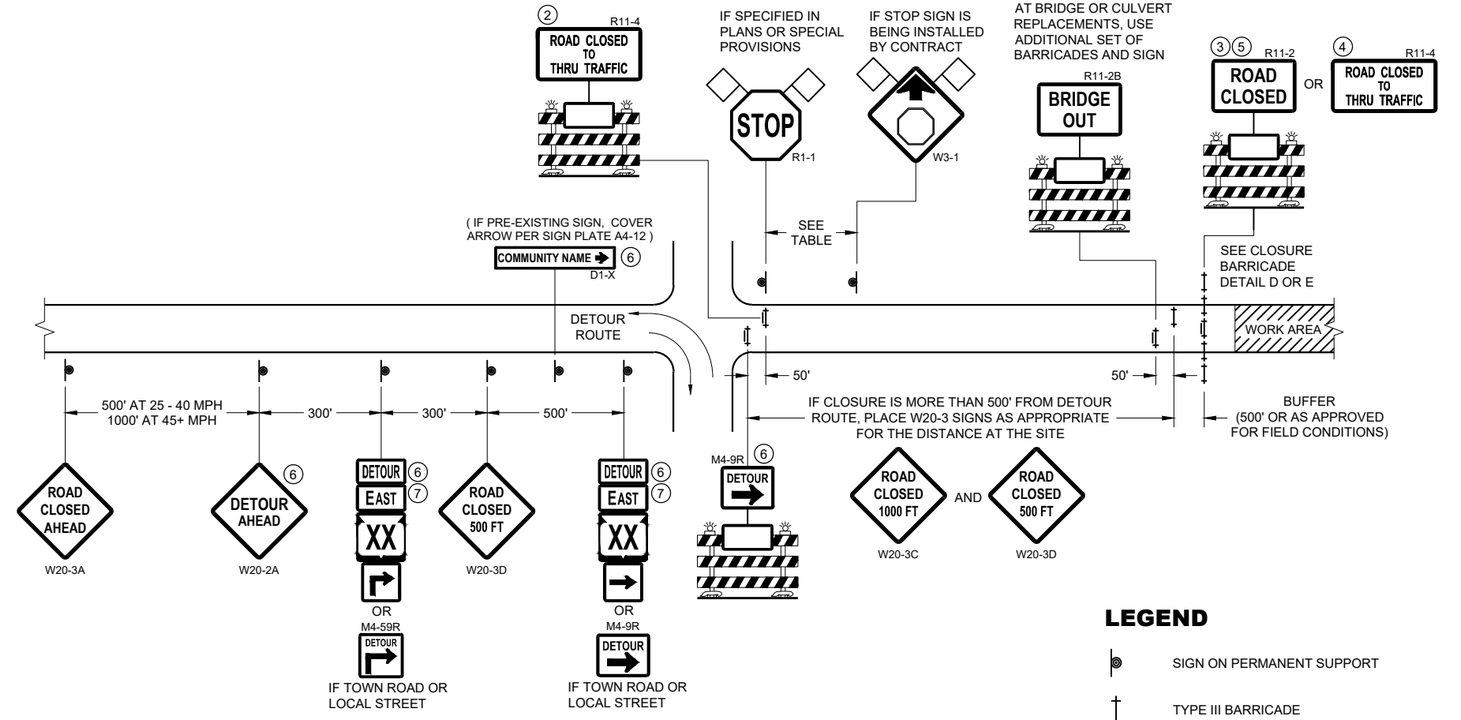
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



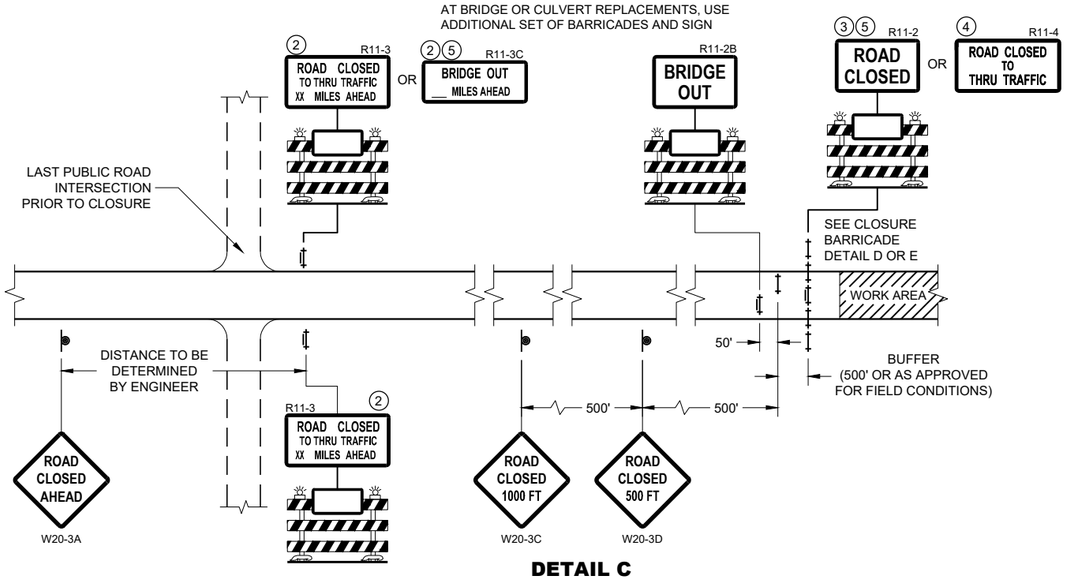
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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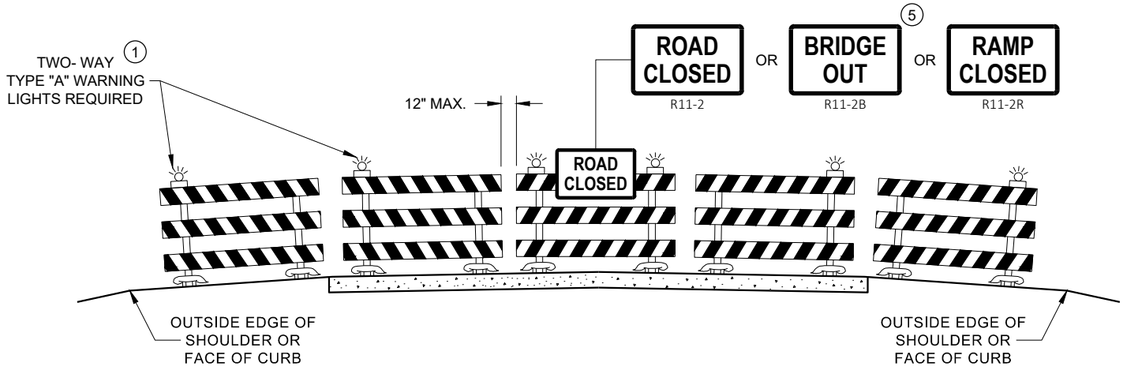
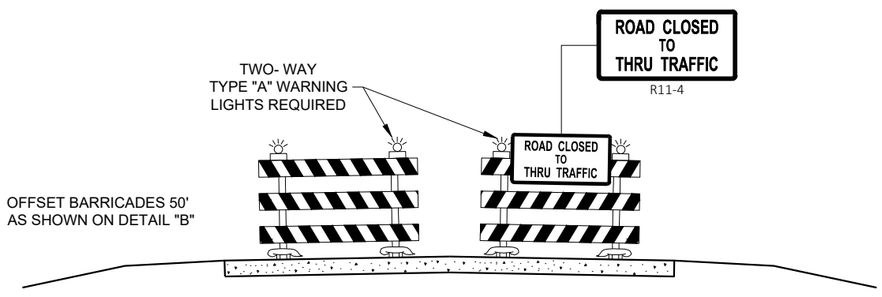
SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 09b

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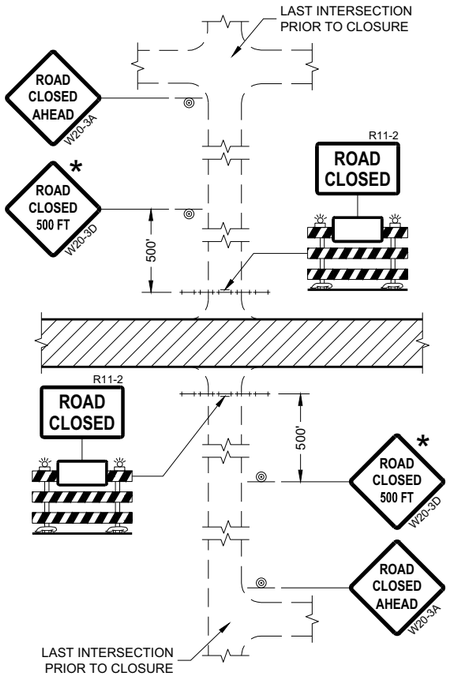
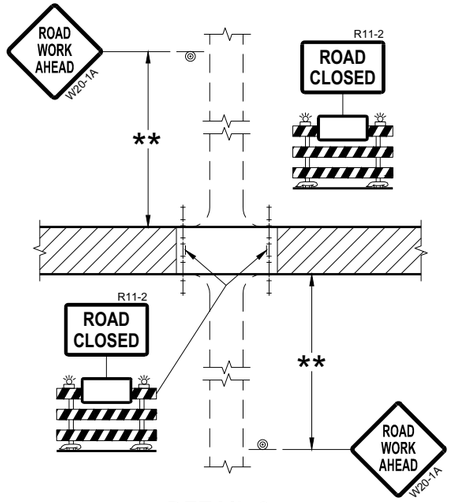
SDD 15C02 - 09b



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

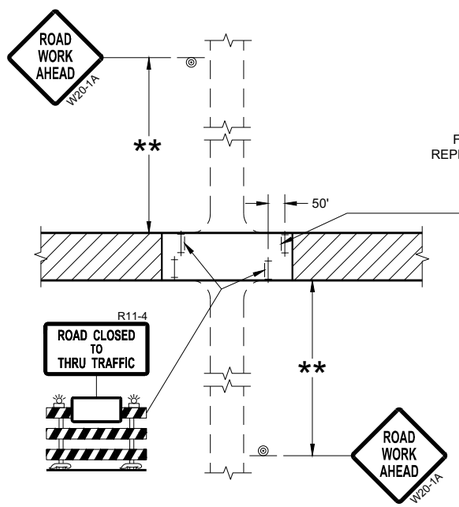
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

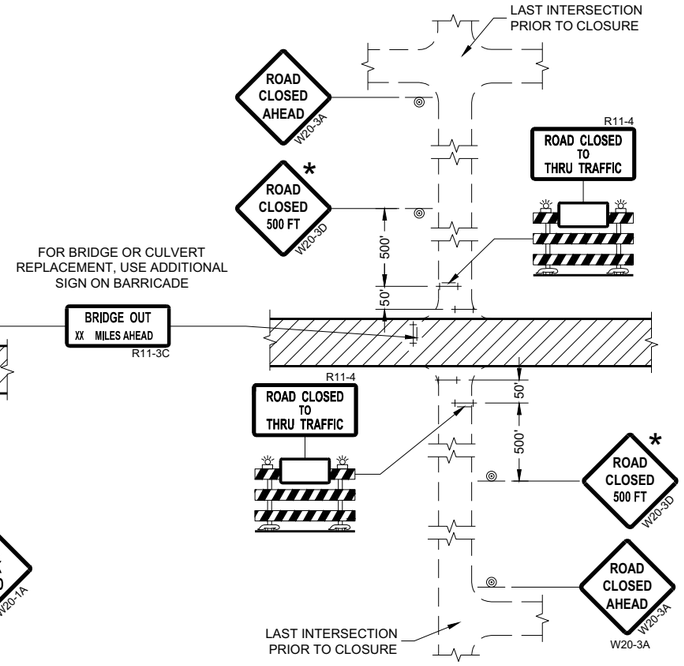
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

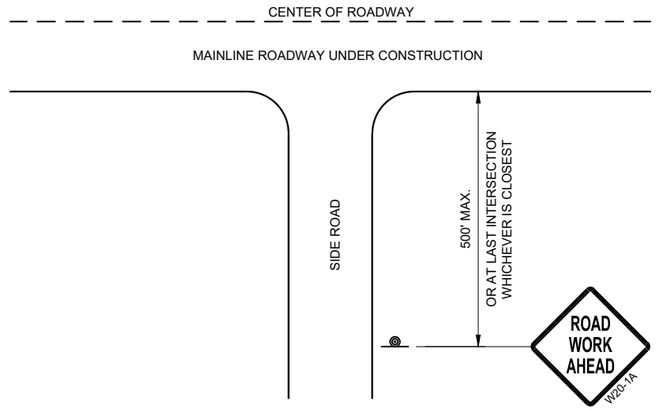
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

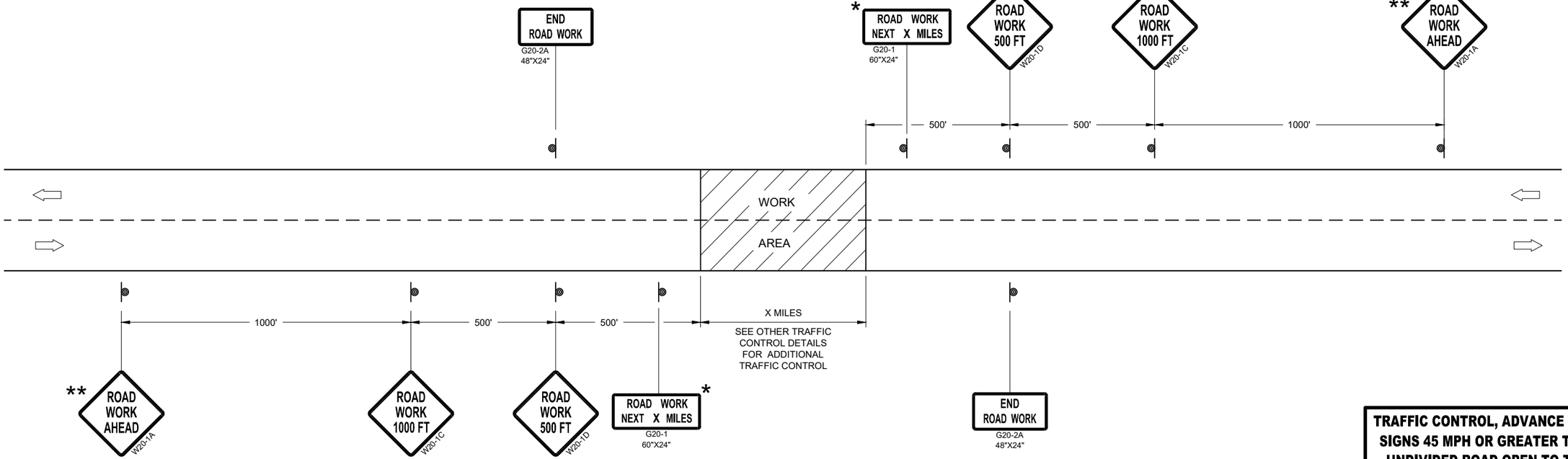
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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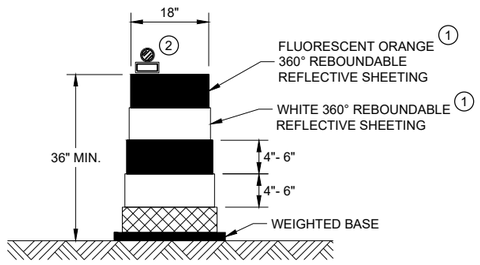
SDD 15C04 - 05

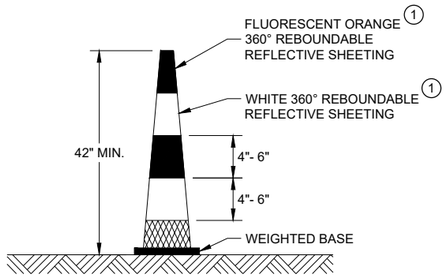
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

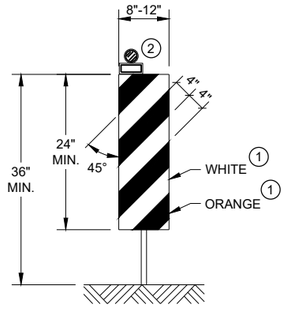
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

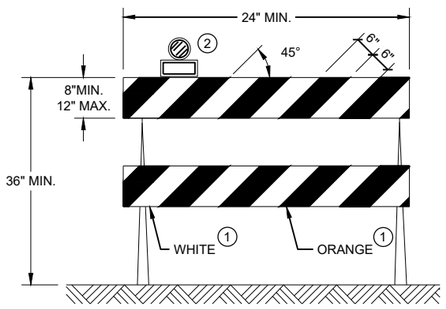
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



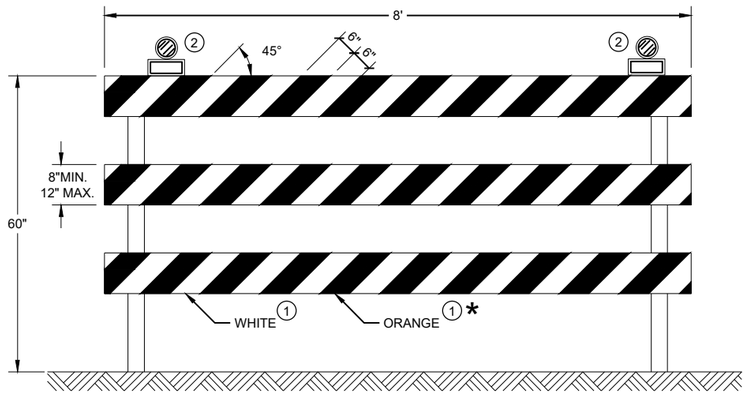
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C11 - 10b

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SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

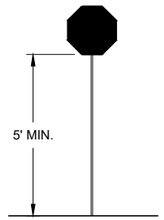
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



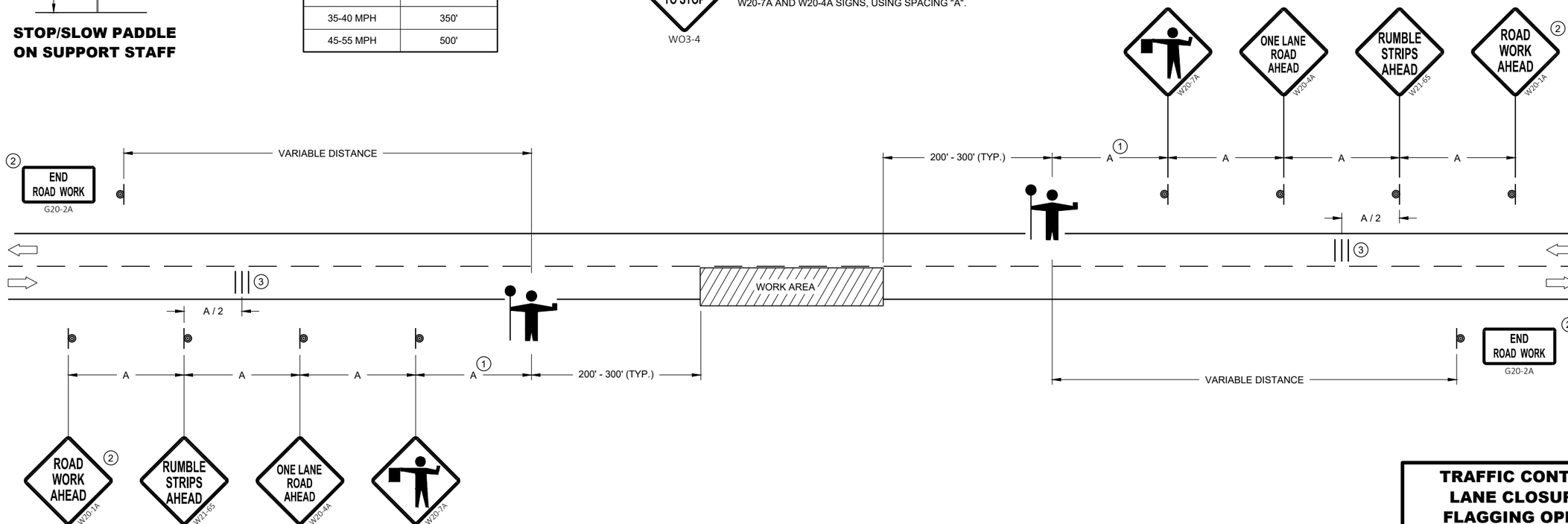
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

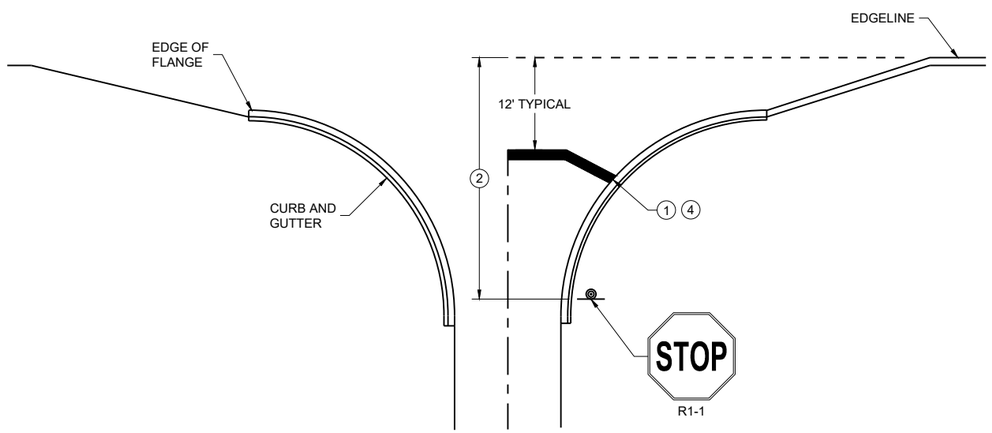
SDD 15C12 - 09a

SDD 15C12 - 09a

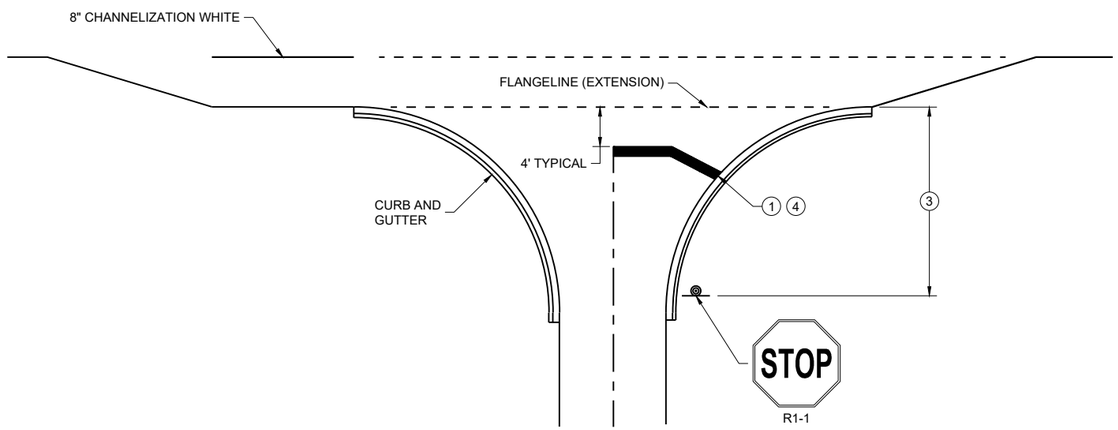
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

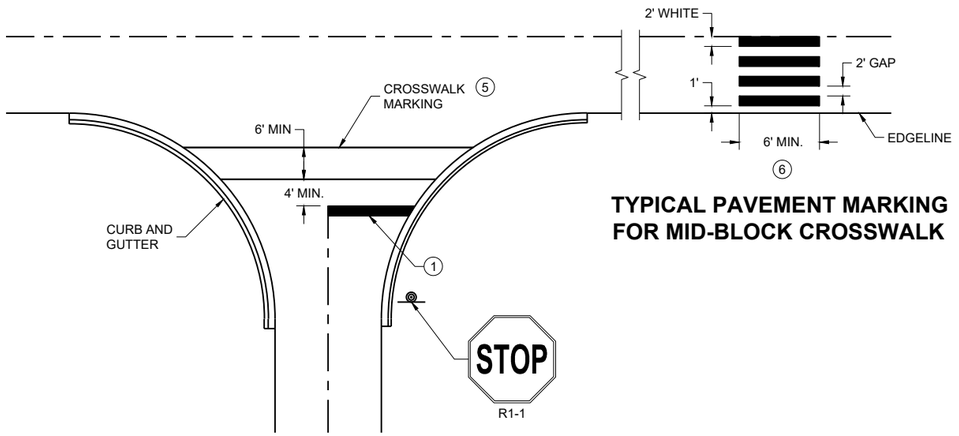
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

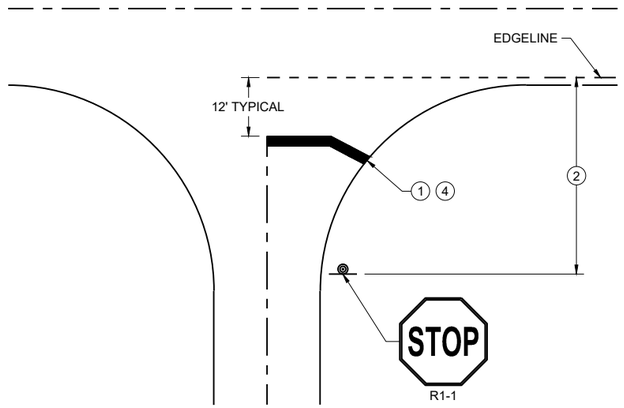


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

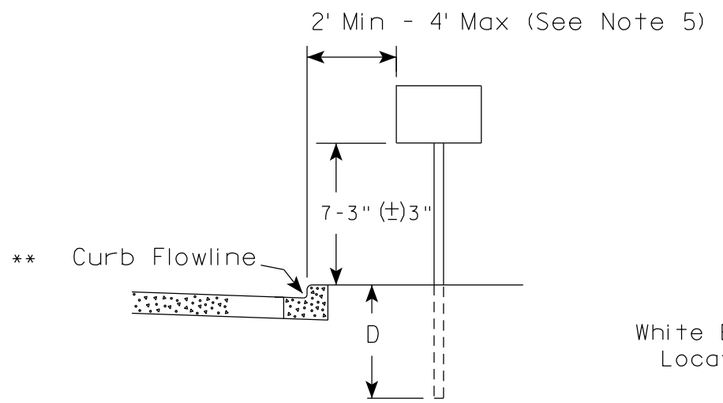
6

SDD 15C33-05

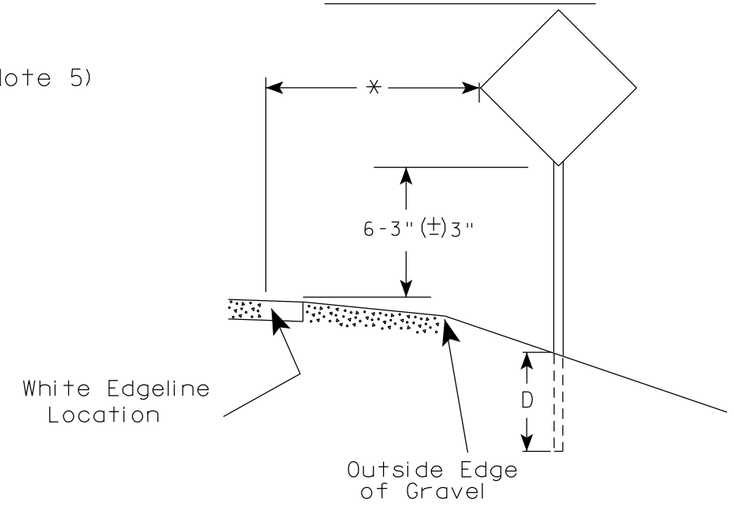
6

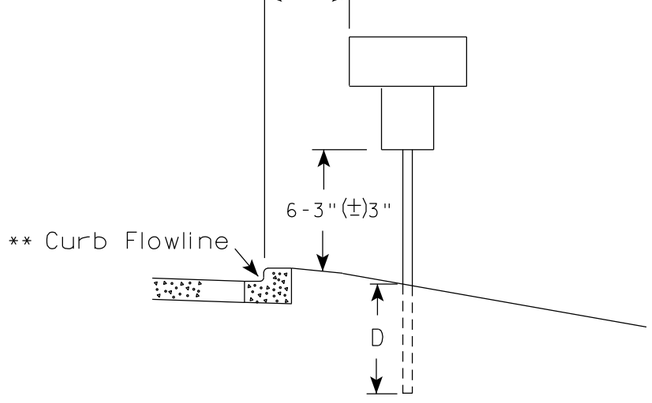
SDD 15C33-05

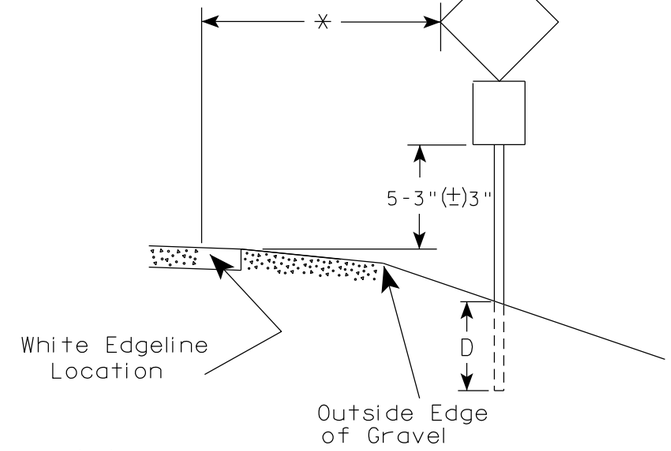
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

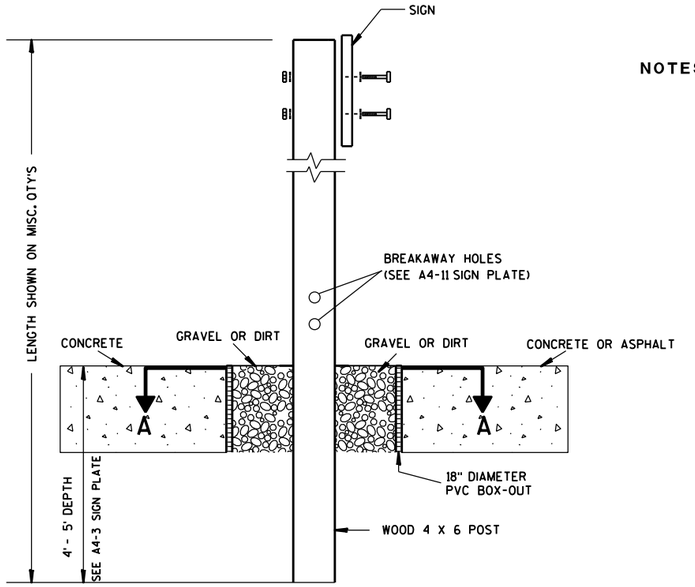
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

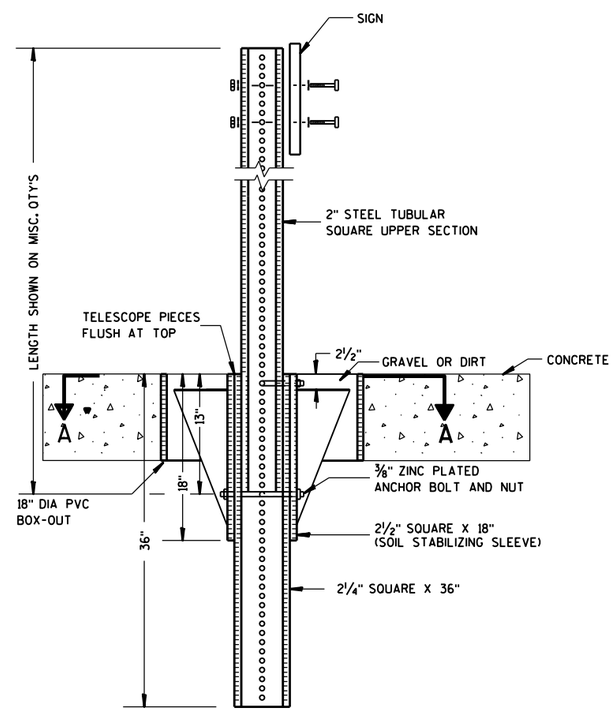
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 45	E



ELEVATION VIEW

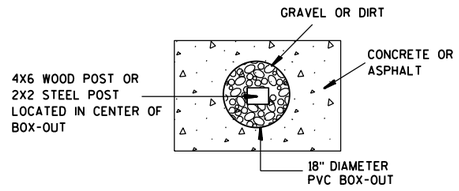
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

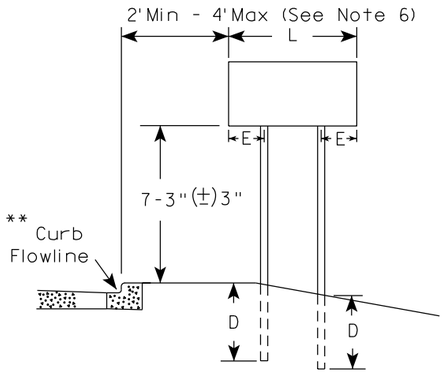
APPROVED Matthew R Rauch
for State Traffic Engineer

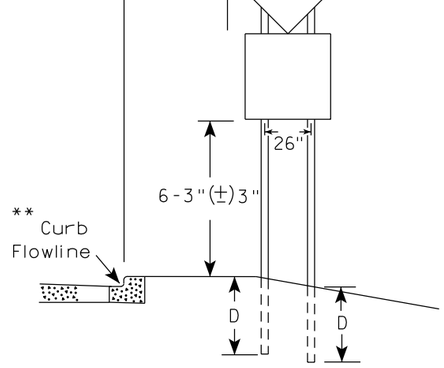
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

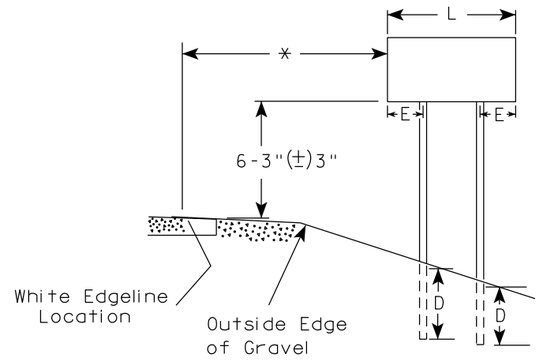
URBAN AREA

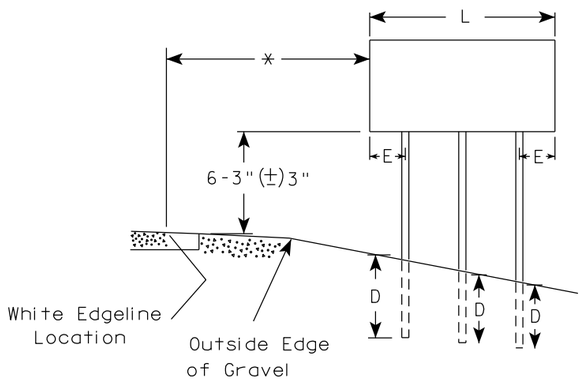


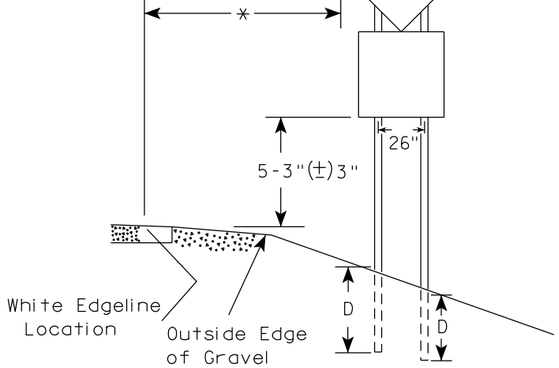


48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

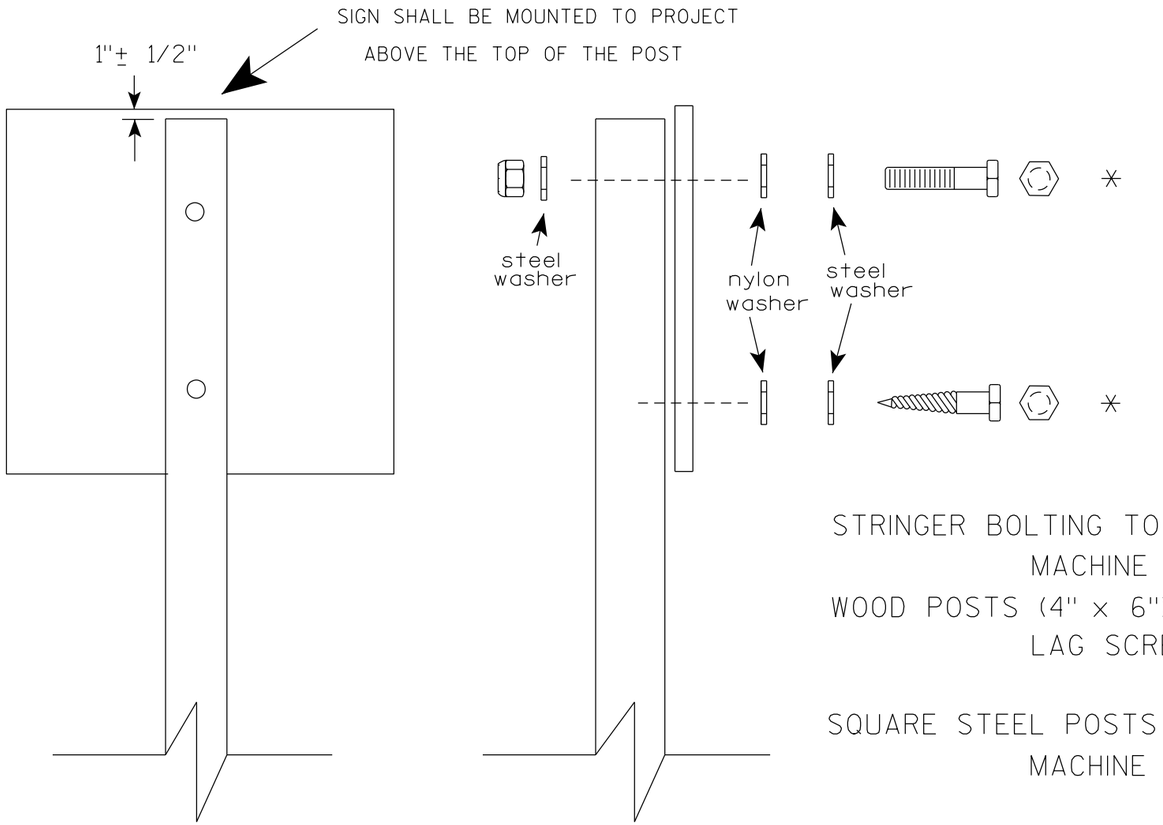
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 47	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

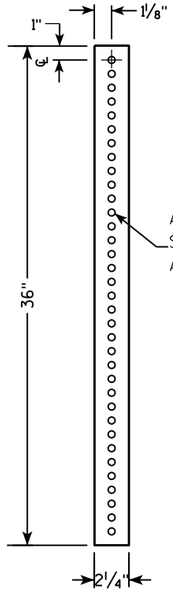
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

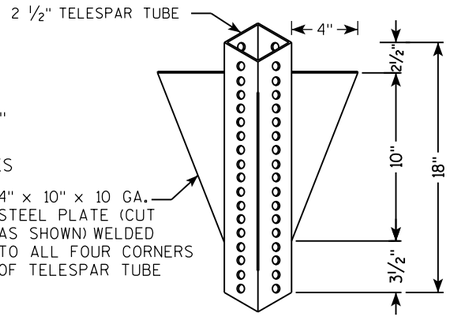
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

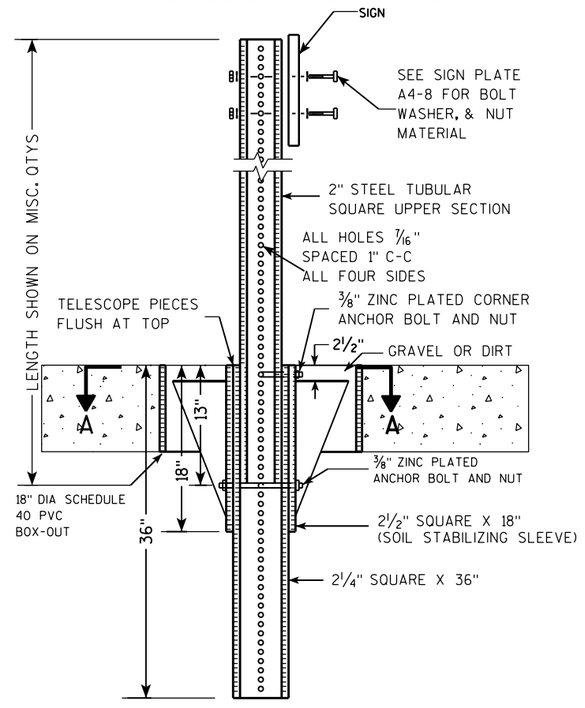
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



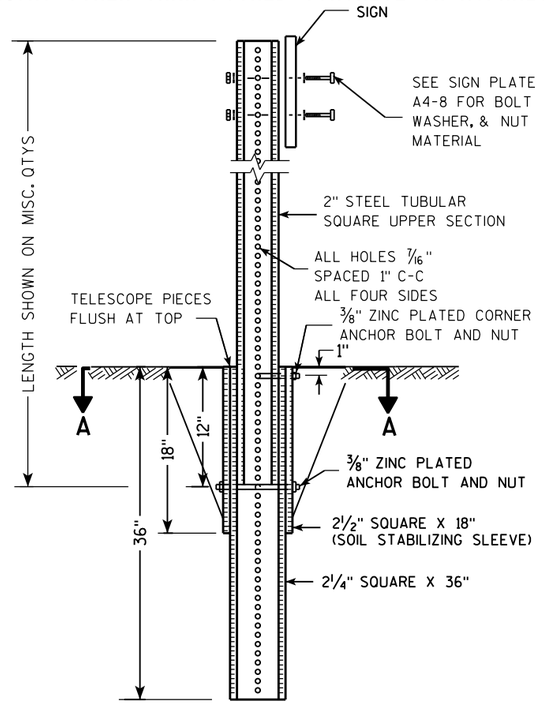
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

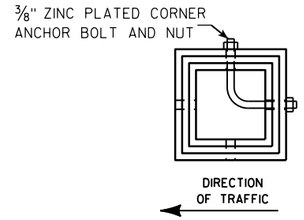


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

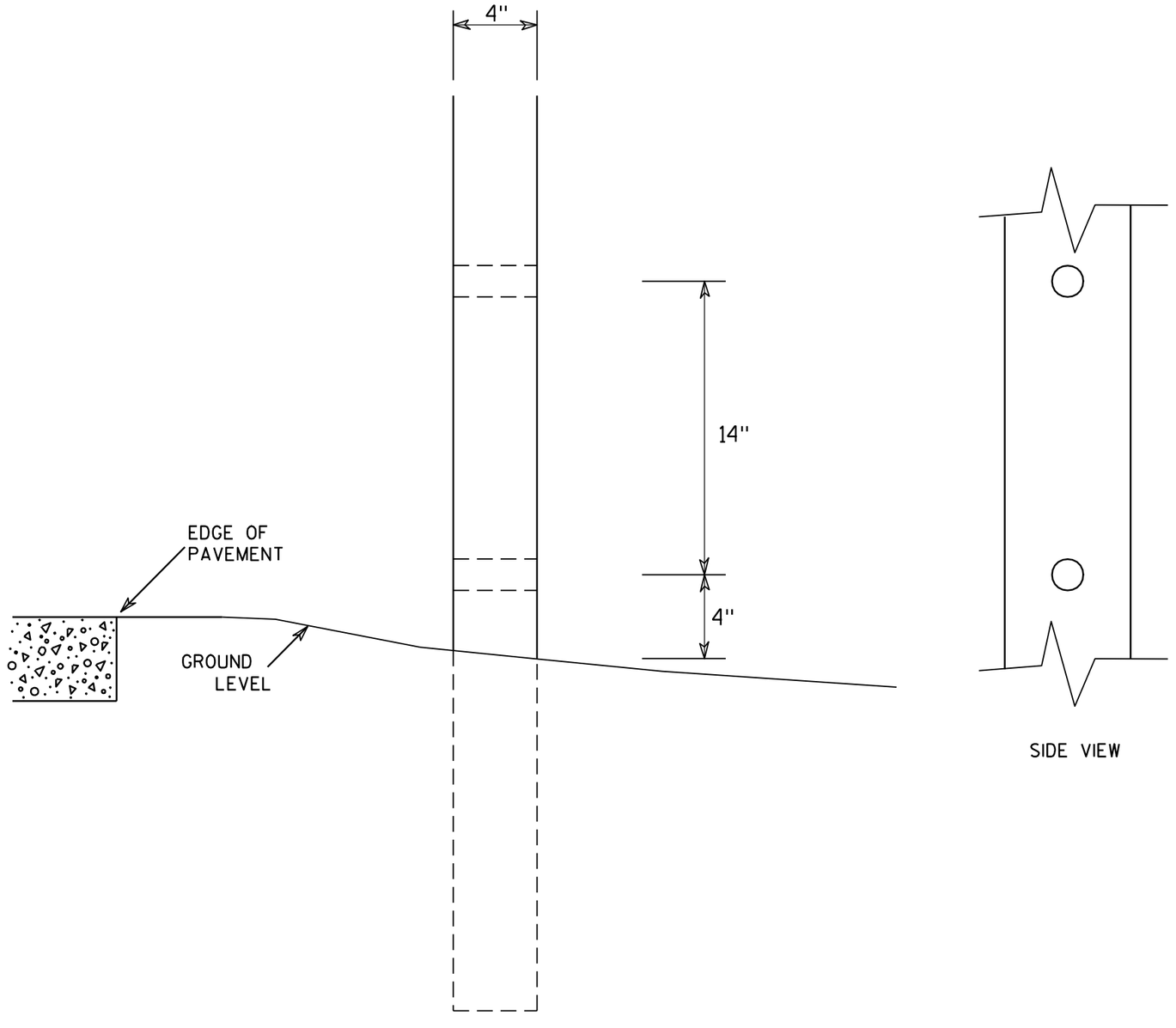
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 49 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

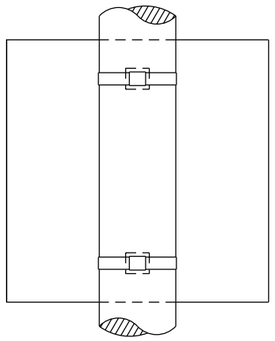
APPROVED Chester J Spang for State Traffic Engineer

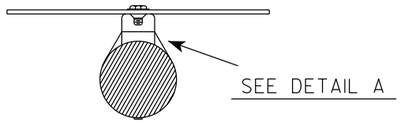
DATE 3/27/97 PLATE NO. A4-11.2

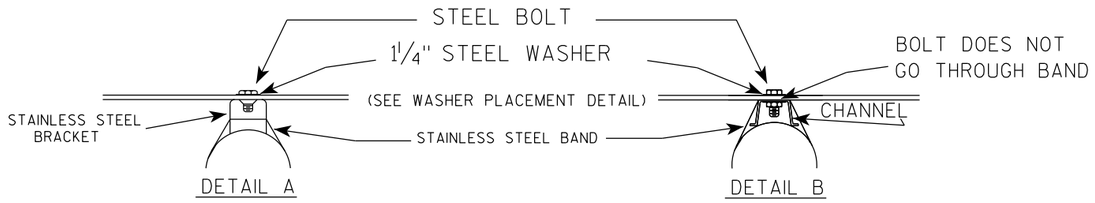
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 50	E

BANDING

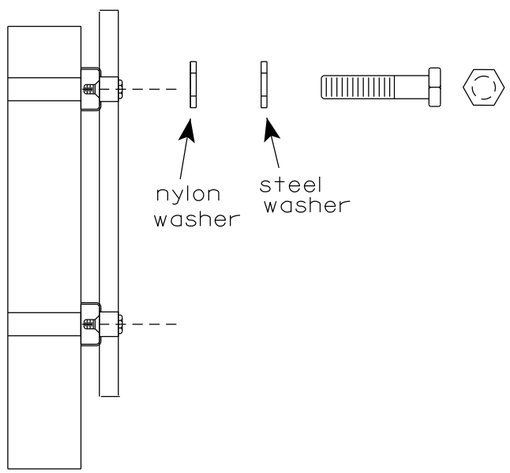
SINGLE SIGN







WASHER PLACEMENT

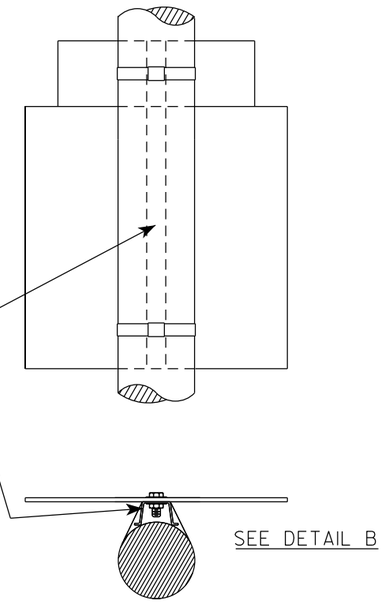


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

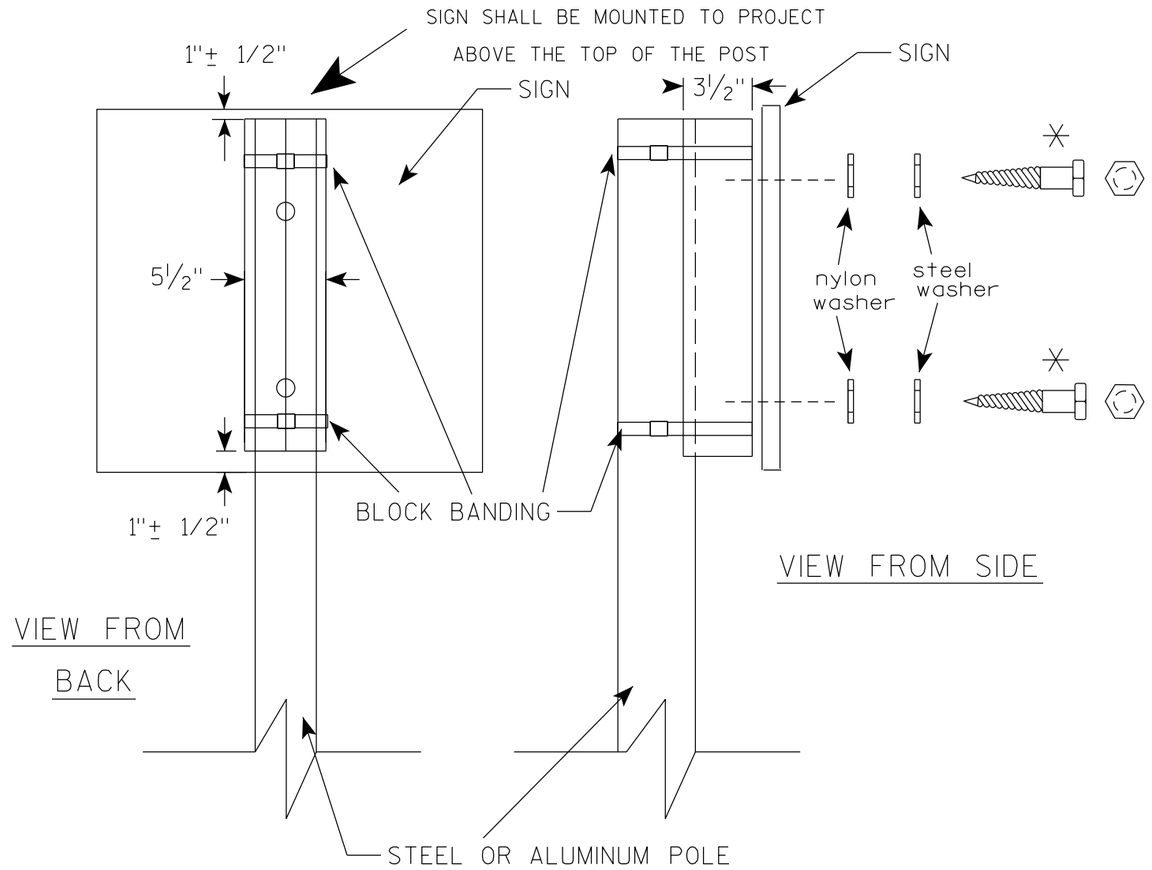
WISCONSIN DEPT OF TRANSPORTATION

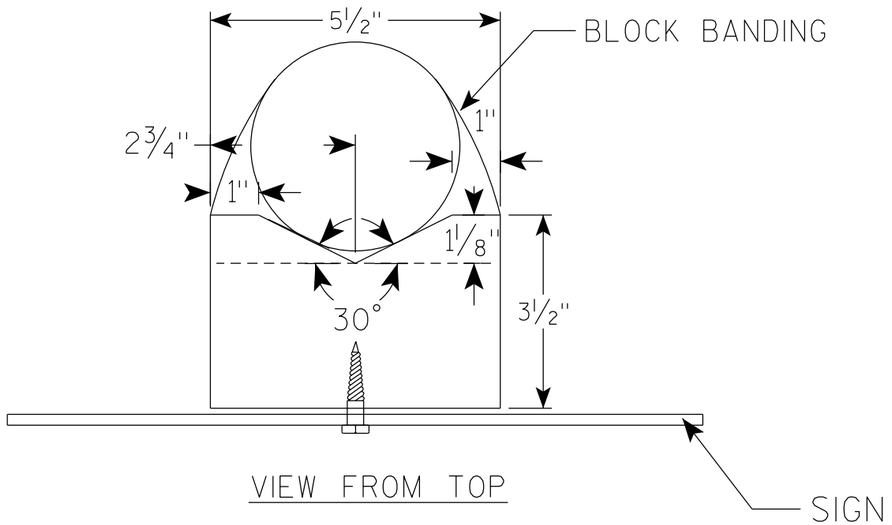
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 51	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

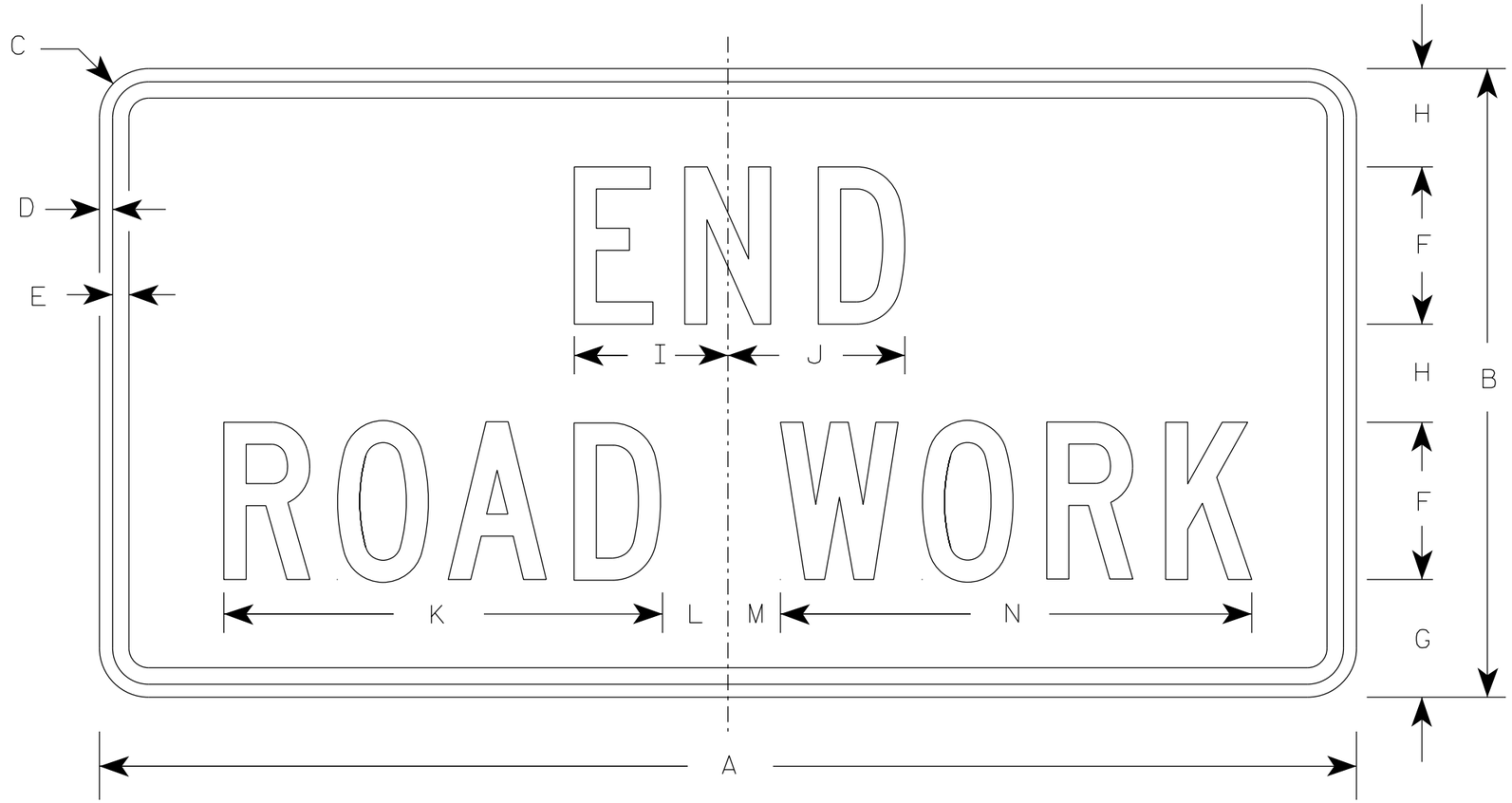
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 52 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

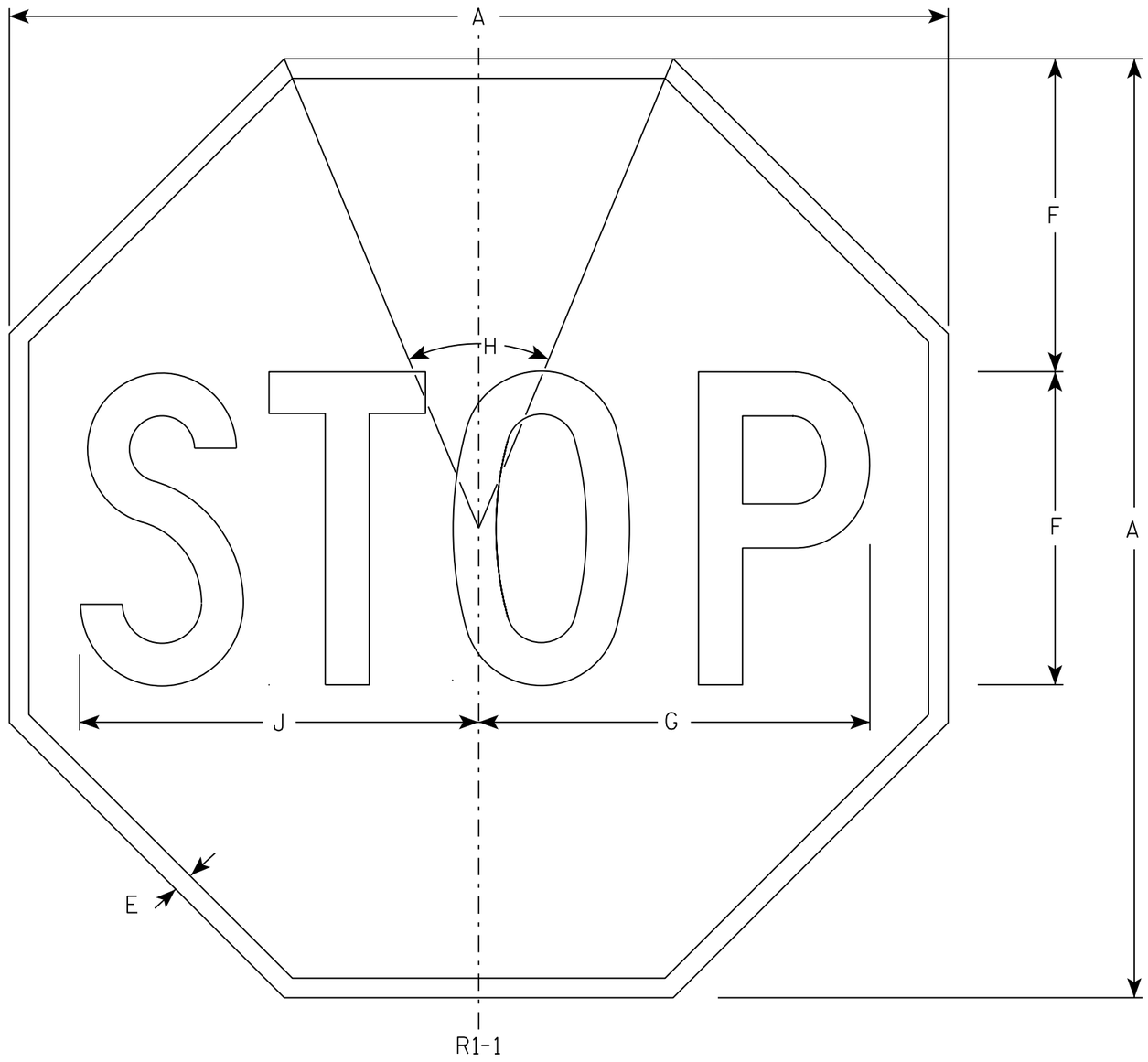
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 53 E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

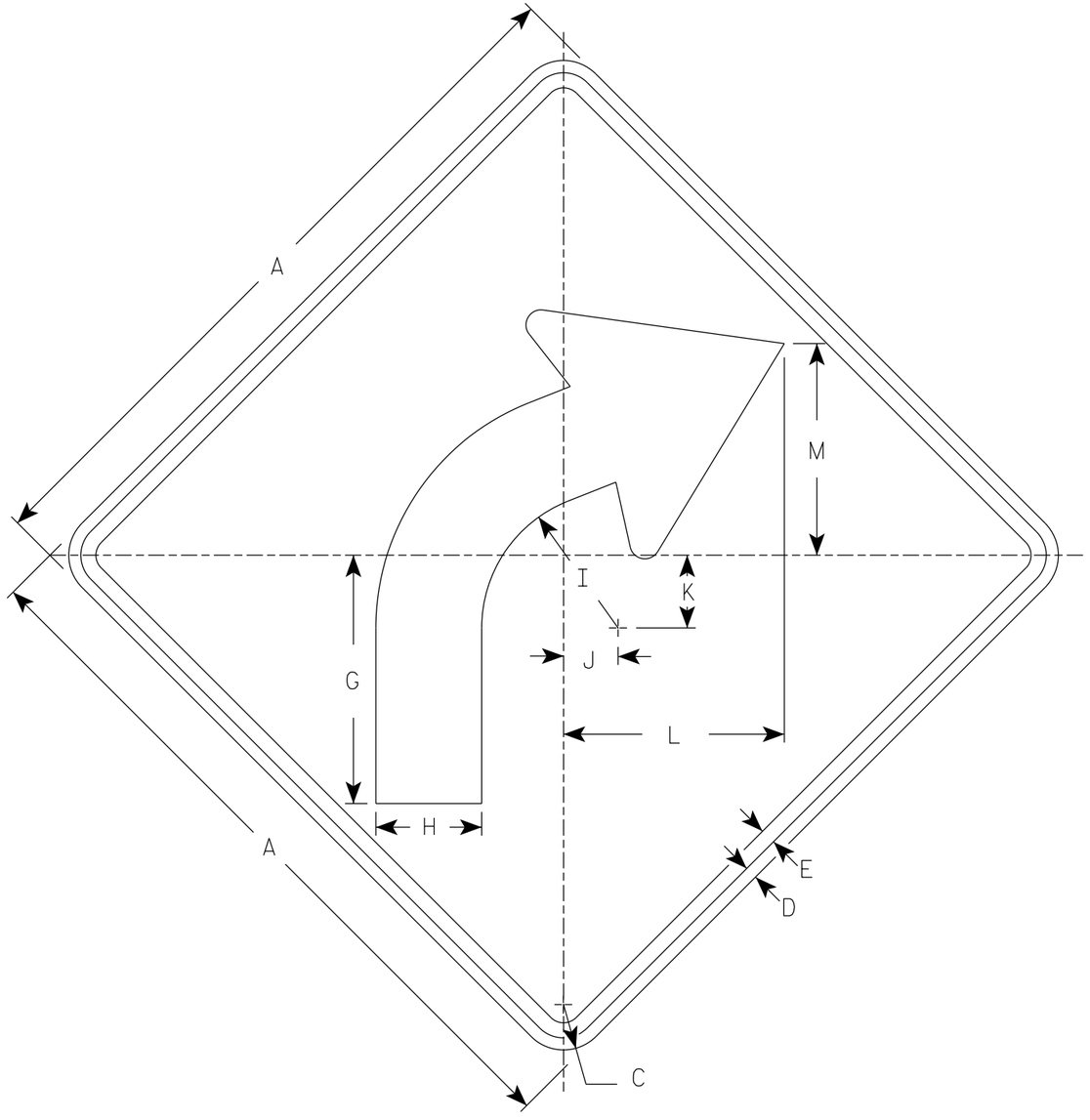
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

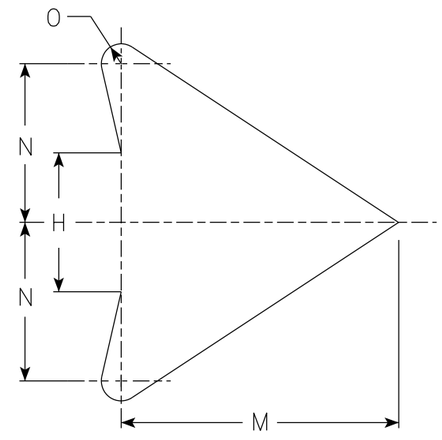
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 54	E



W1-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 7/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		2 1/4	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		3	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

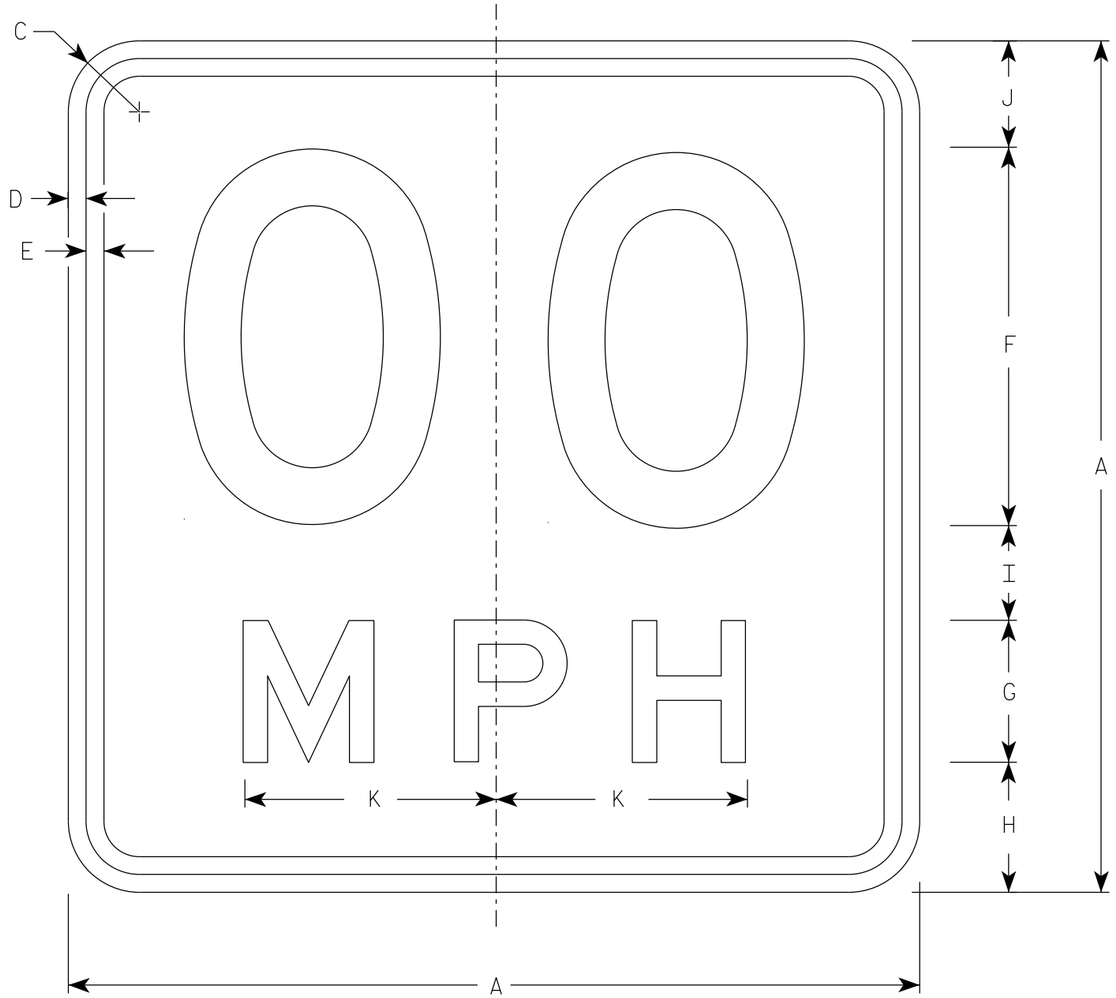
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/23/2023 PLATE NO. W1-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 55	E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 5
4. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
5. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/2	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

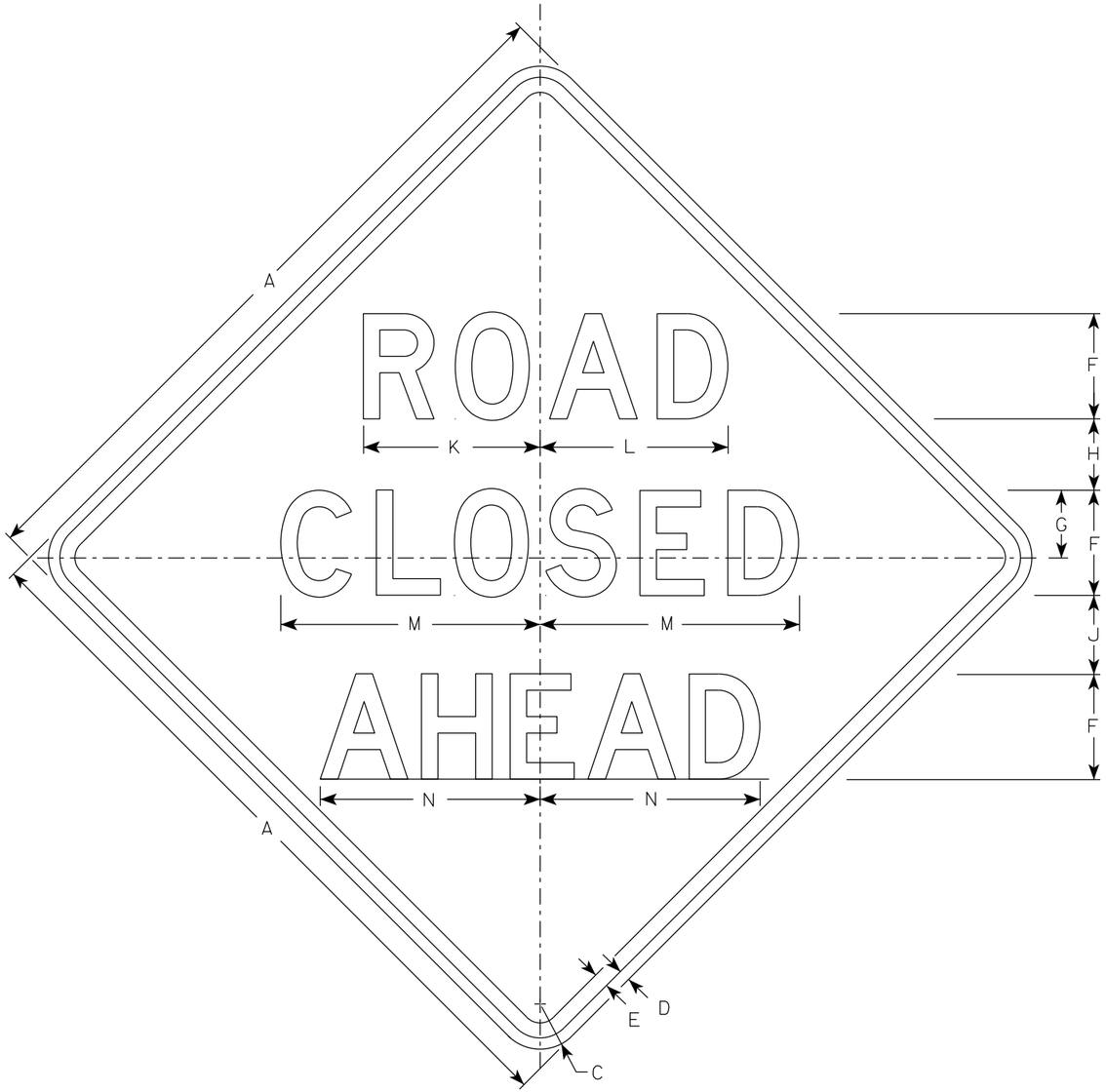
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

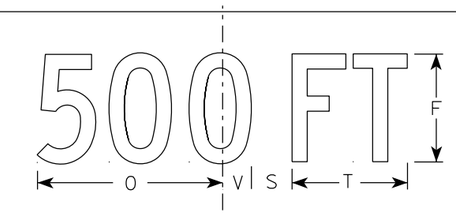
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/8/2024 PLATE NO. W13-1.17

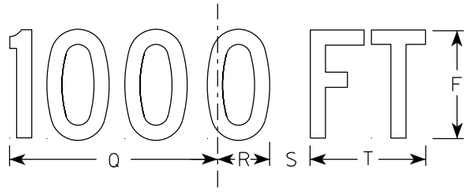
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



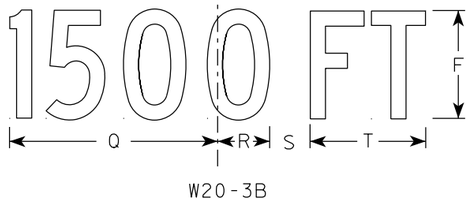
W20-3A



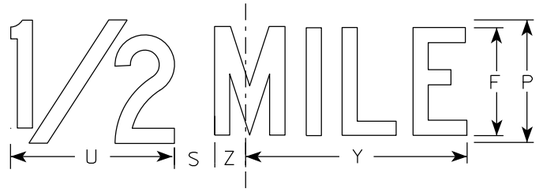
W20-3D



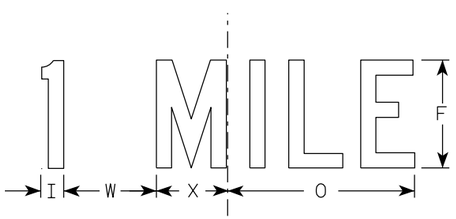
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 57 | E

VINEYARD ROAD

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)	
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	EXPANDED FILL 1.20
4+65.43	465		0	0	0	0	0	0	0	0
5+00.00	500	35	33	5	1	21	3	1	21	1
6+00.00	600	100	32	5	2	120	19	9	141	10
7+00.00	700	100	31	5	2	116	19	9	257	19
8+00.00	800	100	29	5	30	109	19	111	366	130
9+00.00	900	100	28	5	20	102	19	75	468	205
10+00.00	1000	100	31	5	5	116	19	17	583	222
11+00.00	1100	100	33	5	1	119	19	10	702	233
12+00.00	1200	100	30	5	1	116	19	3	818	235
13+00.00	1300	100	62	5	3	169	19	7	986	242
14+00.00	1400	100	58	5	9	221	19	22	1208	264
15+00.00	1500	100	57	5	0	213	19	17	1421	281
16+00.00	1600	100	35	5	3	171	19	6	1591	287
17+00.00	1700	100	40	5	13	138	19	29	1730	316
18+00.00	1800	100	35	5	3	138	19	30	1868	346
19+00.00	1900	100	28	5	4	117	19	14	1985	360
20+00.00	2000	100	34	5	0	126	19	0	2110	361
21+00.00	2100	100	41	5	1	138	19	2	2248	362
22+00.00	2200	100	40	5	1	149	19	4	2396	366
23+00.00	2300	100	42	5	0	151	19	2	2548	368
24+00.00	2400	100	12	5	2	45	19	6	2593	374
25+00.00	2500	100	15	5	4	50	19	9	2643	383
26+00.00	2600	100	42	5	0	105	19	7	2748	390
27+00.00	2700	100	35	5	0	142	19	1	2890	391
28+00.00	2800	100	18	5	12	98	19	23	2988	413
29+00.00	2900	100	24	5	16	90	19	59	3078	473
30+00.00	3000	100	29	5	2	99	19	34	3176	507
31+00.00	3100	100	23	5	1	95	19	6	3272	513
32+00.00	3200	100	14	5	19	68	19	36	3339	549
33+00.00	3300	100	28	5	1	77	19	36	3416	585
33+66.50	3367	67	30	5	0	71	12	1	3487	586
									3487	586
						3487	534	586		

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

9

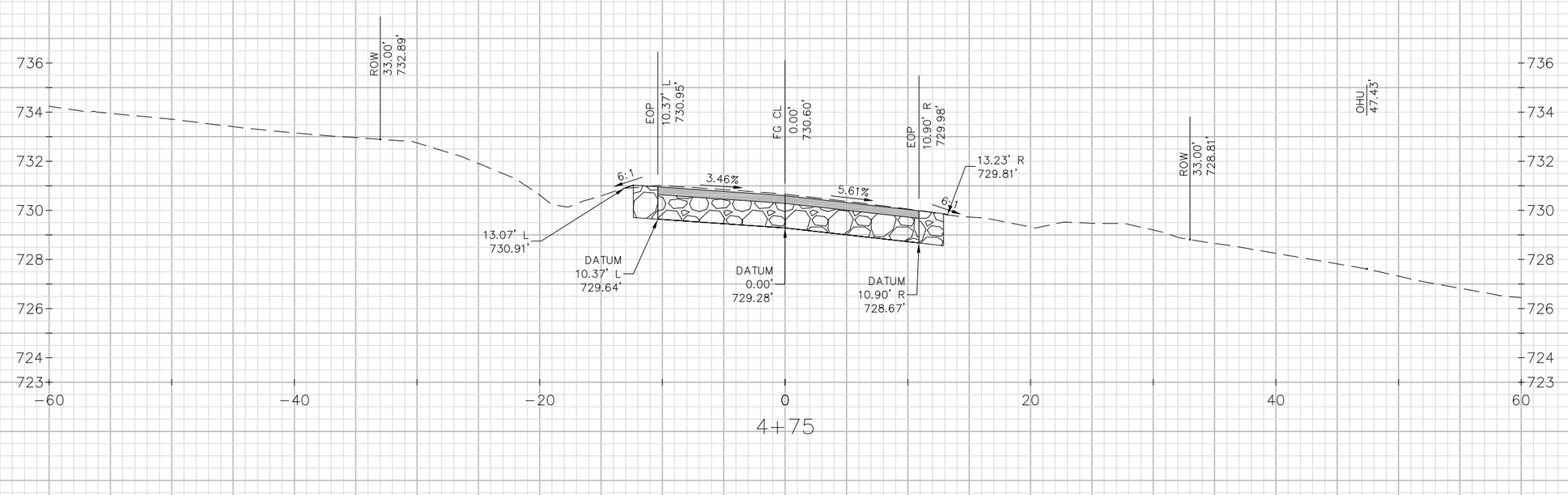
9

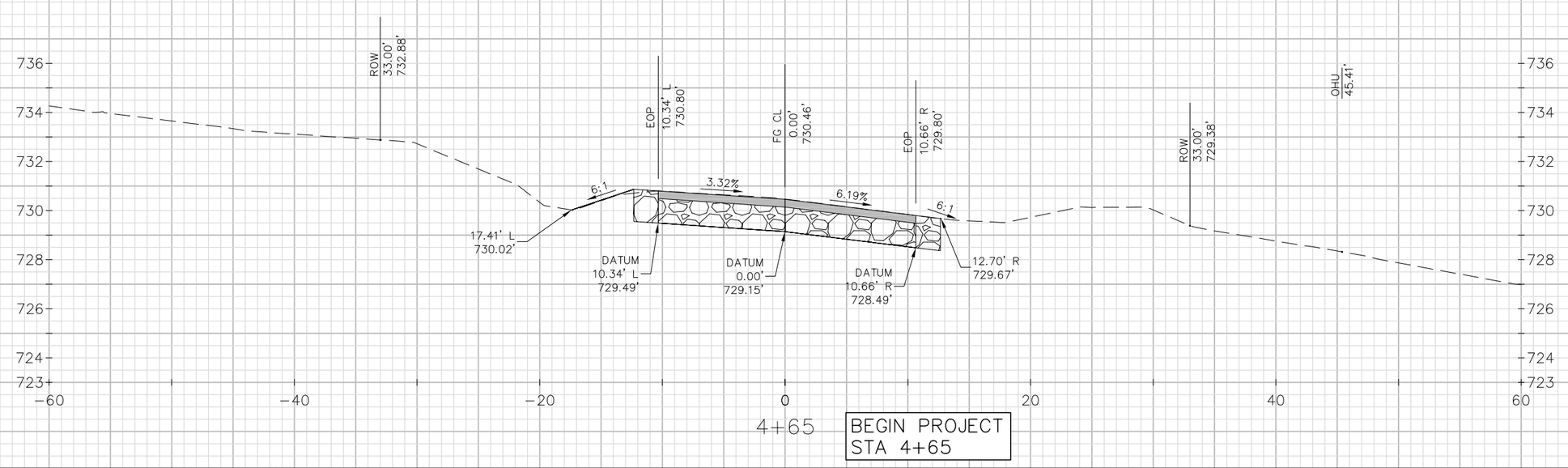
PROJECT NO: 5319-00-70 | HWY: VINEYARD ROAD | COUNTY: CRAWFORD | EARTHWORK DATA | SHEET 58 | E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD MISC QUANTITIES.DWG
LAYOUT NAME - EARTHWORK SUMMARY

PLOT DATE : 10/29/2024 11:08 AM PLOT BY : TODD HALVENSLEBEN PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42





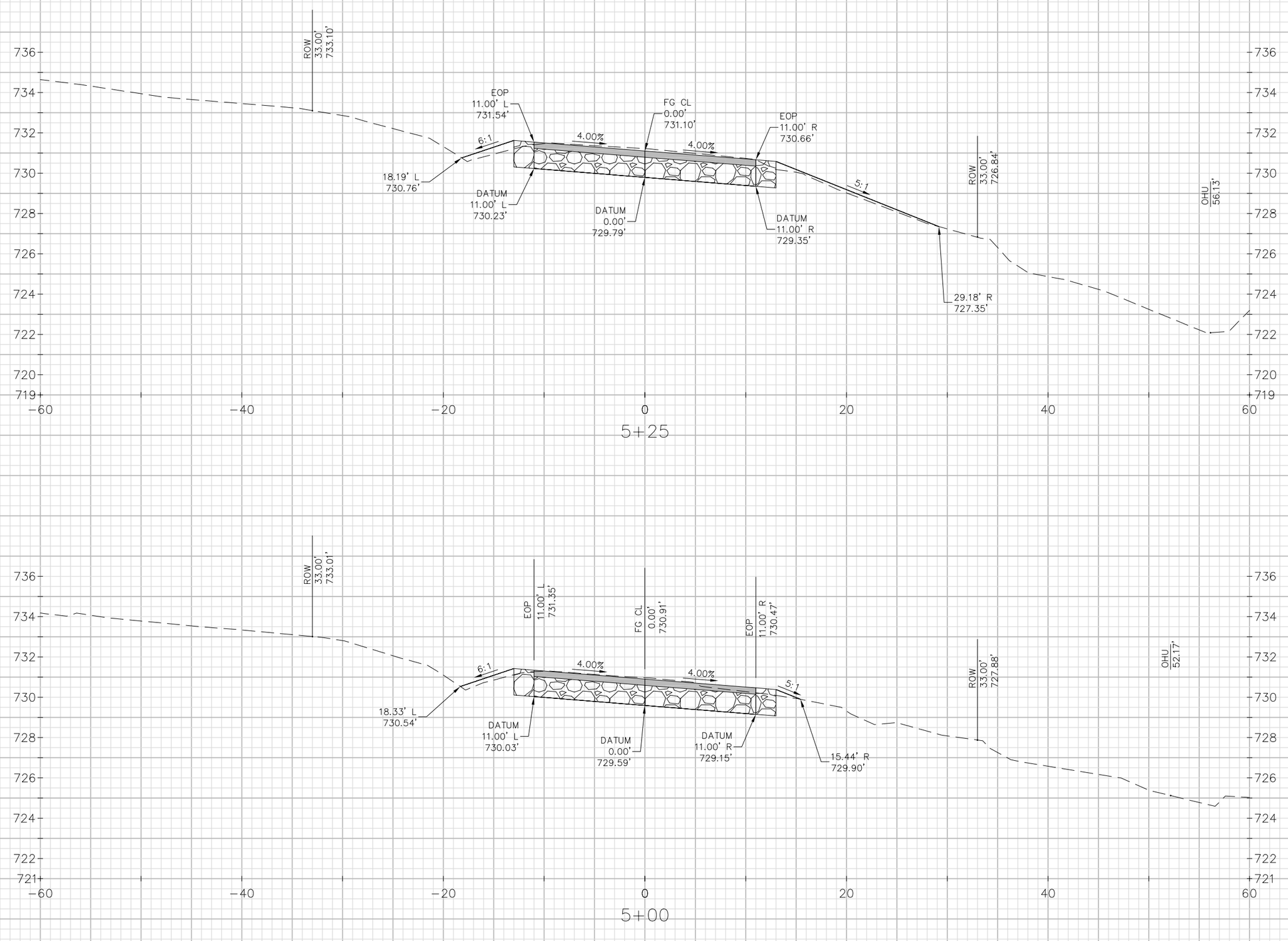
9

9

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 59	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS1

PLOT DATE : 10/28/2024 9:49 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.



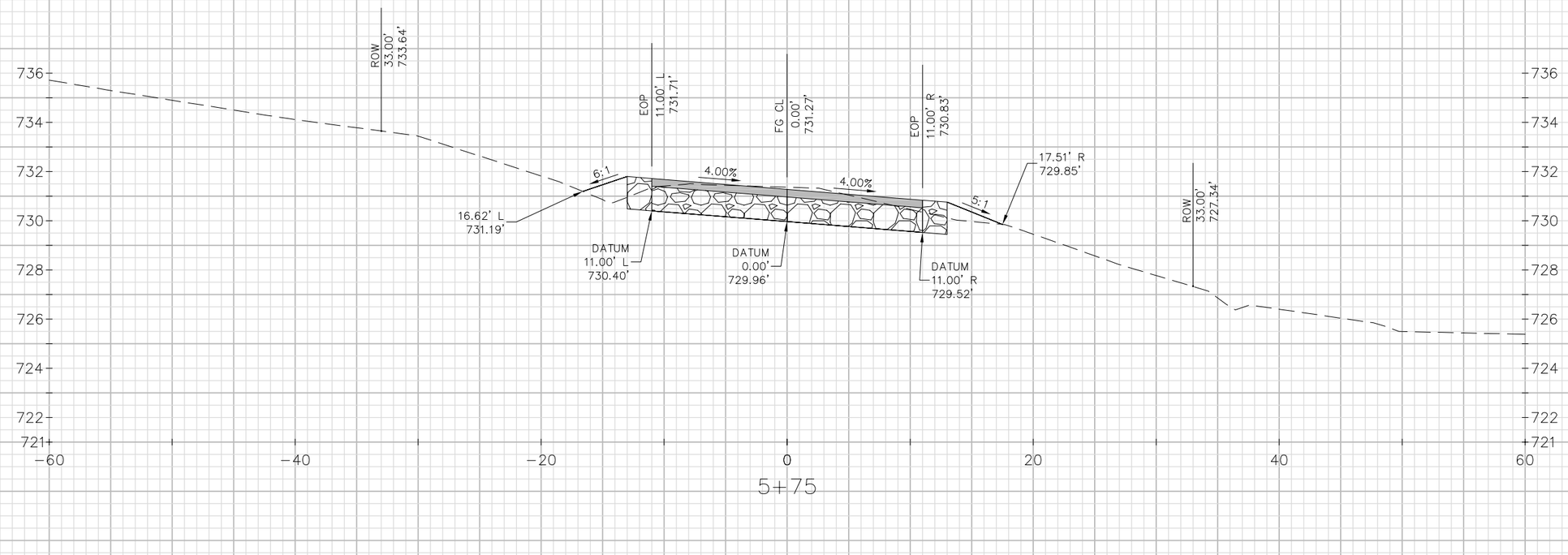
9

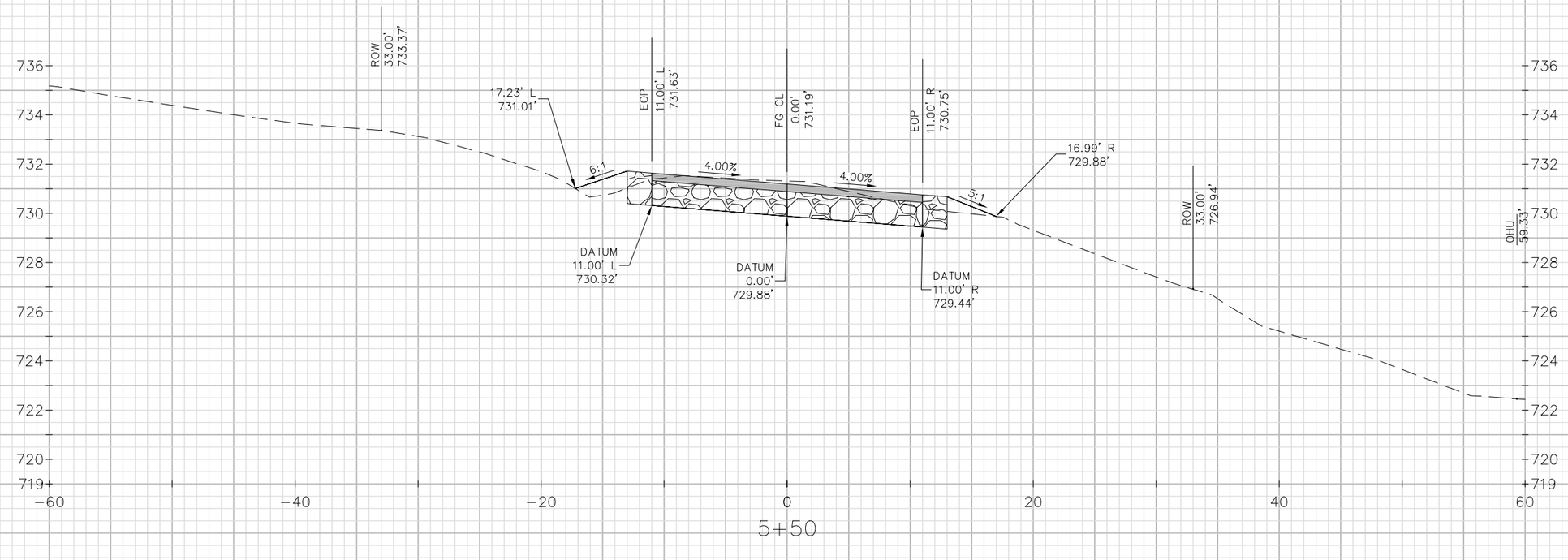
9

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 60	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS2

PLOT DATE : 10/25/2024 4:22 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.





9

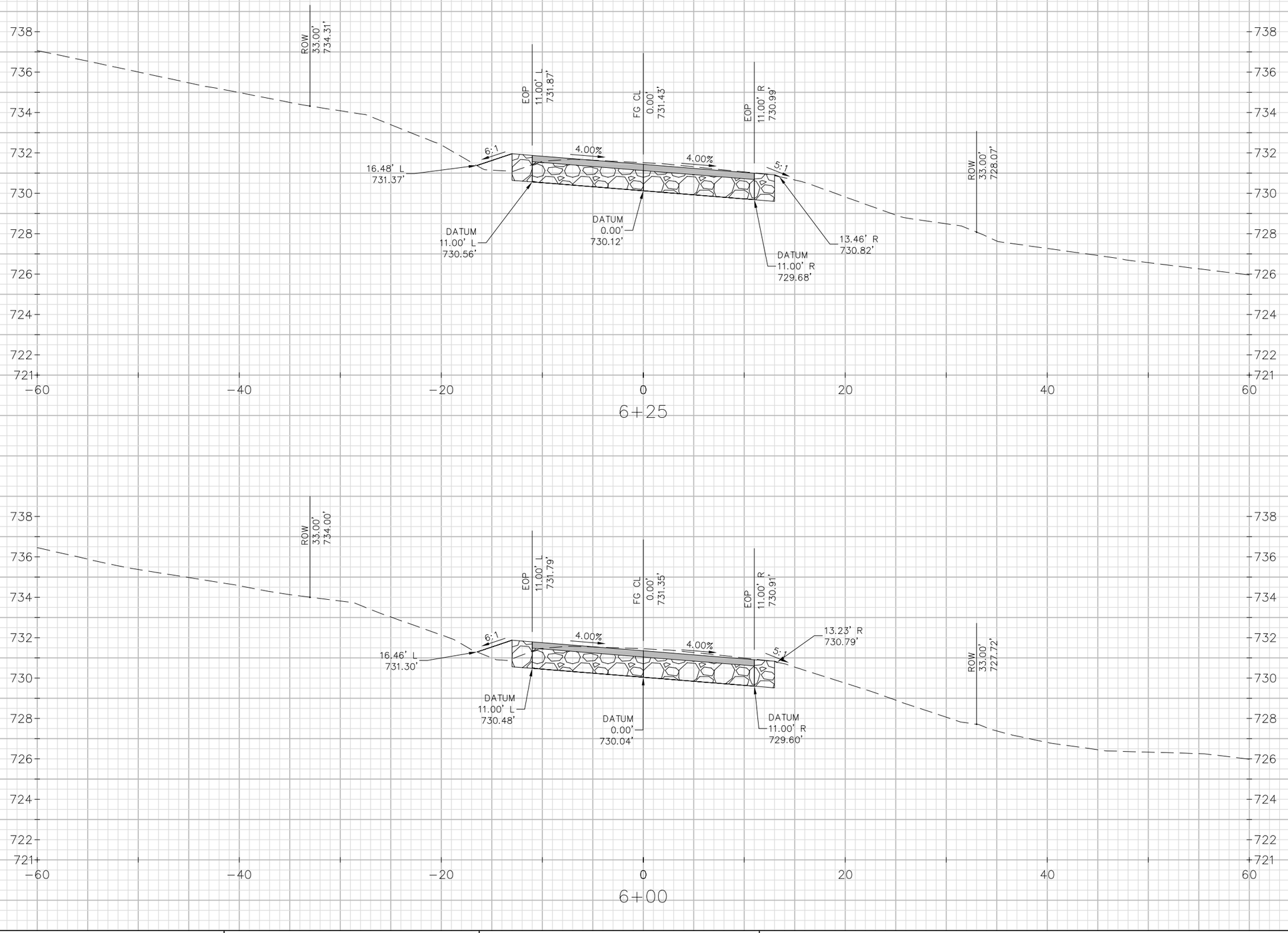
9

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 61	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS3

PLOT DATE : 10/25/2024 4:22 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



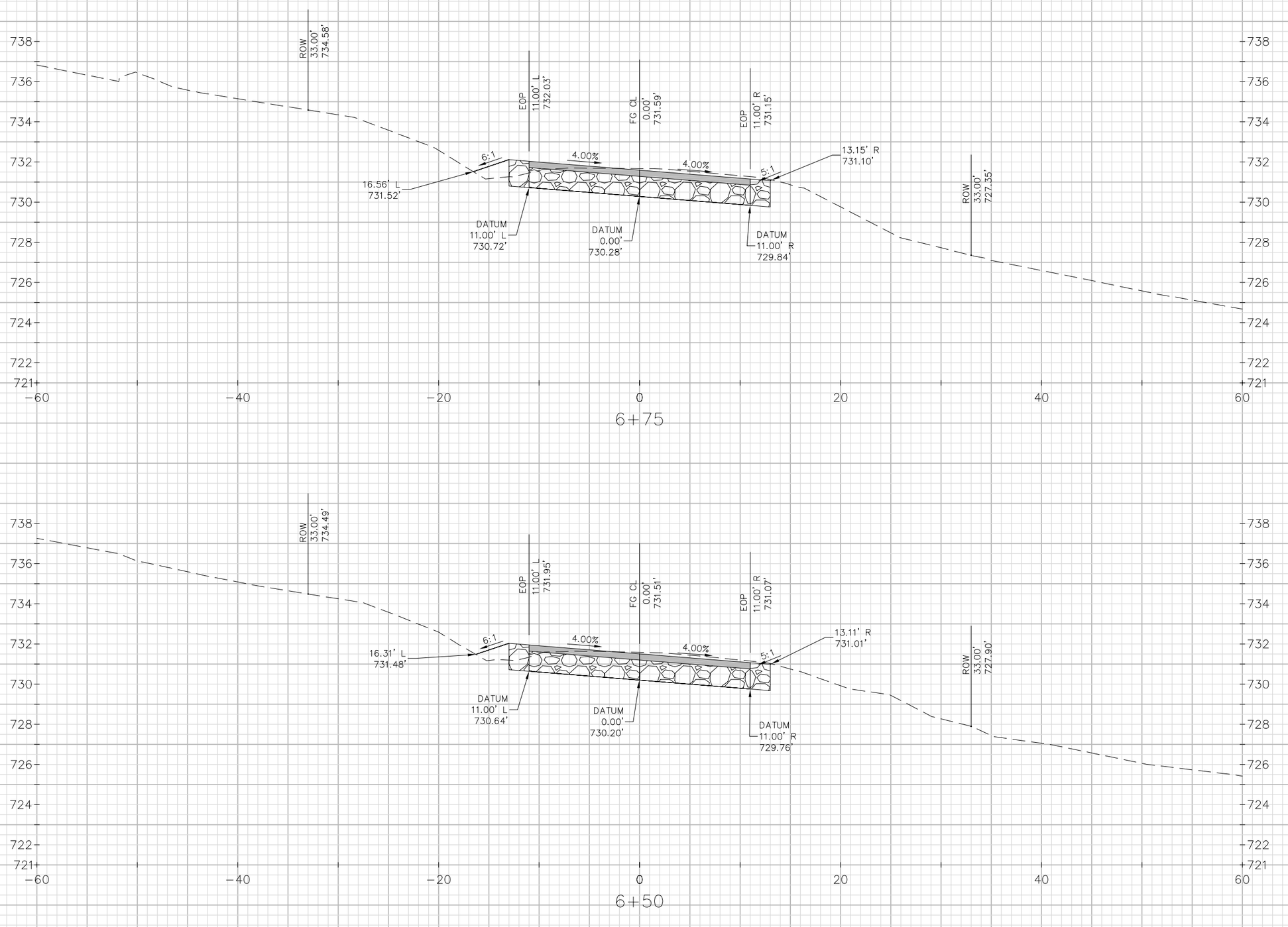
9

9

PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 62	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS4

PLOT DATE : 10/25/2024 4:22 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.



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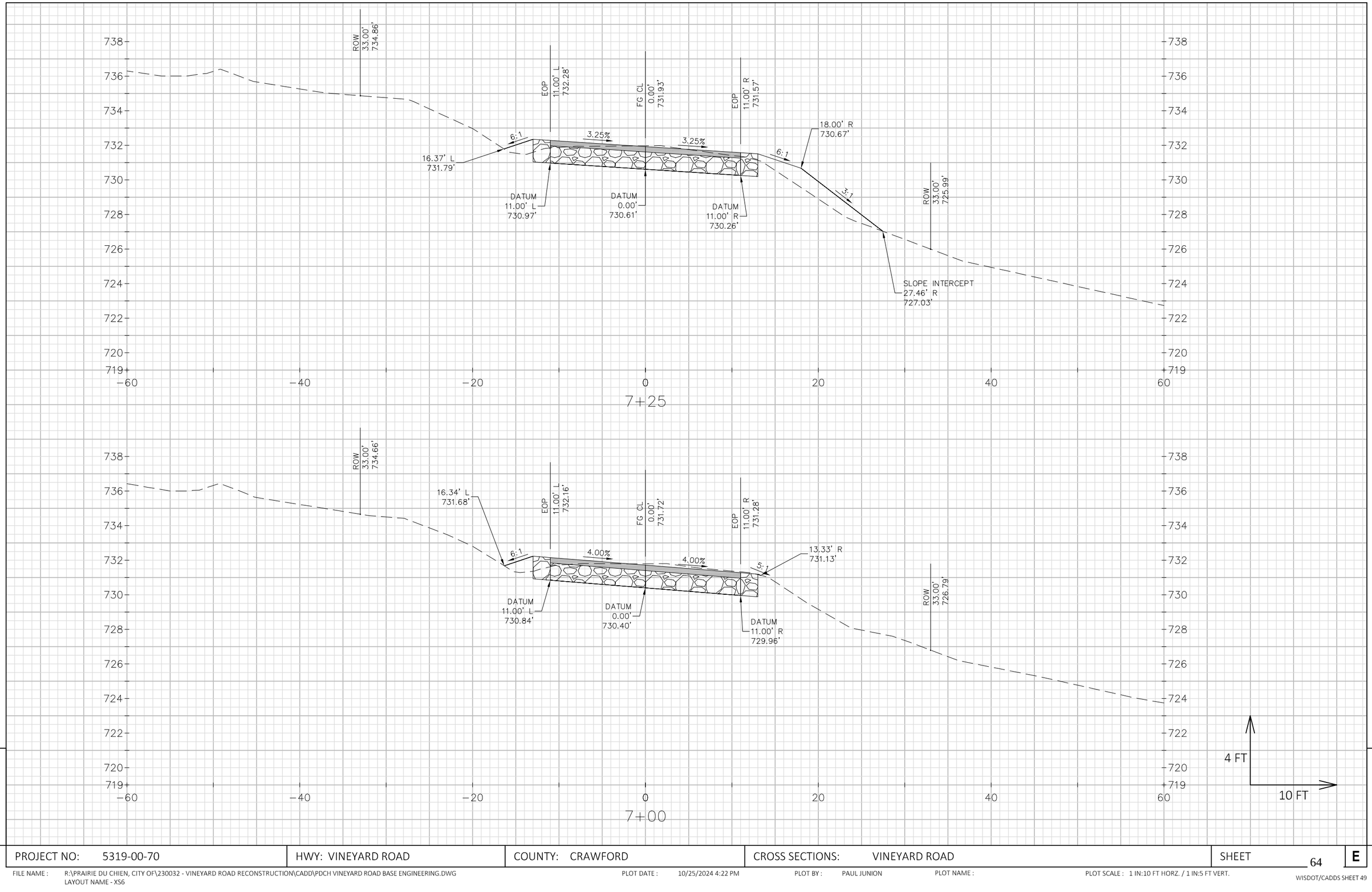
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 63	E



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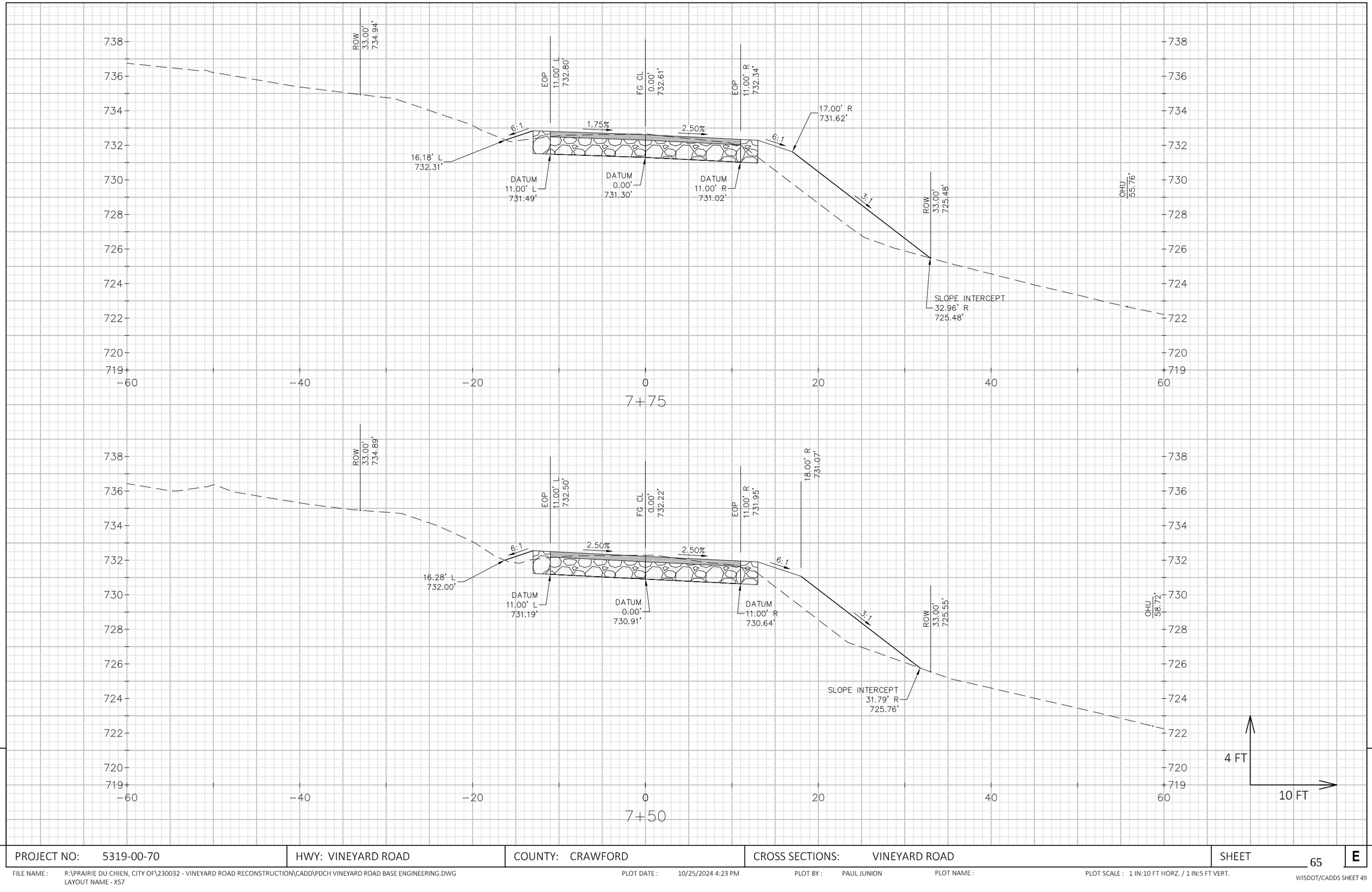
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 64	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS6

PLOT DATE : 10/25/2024 4:22 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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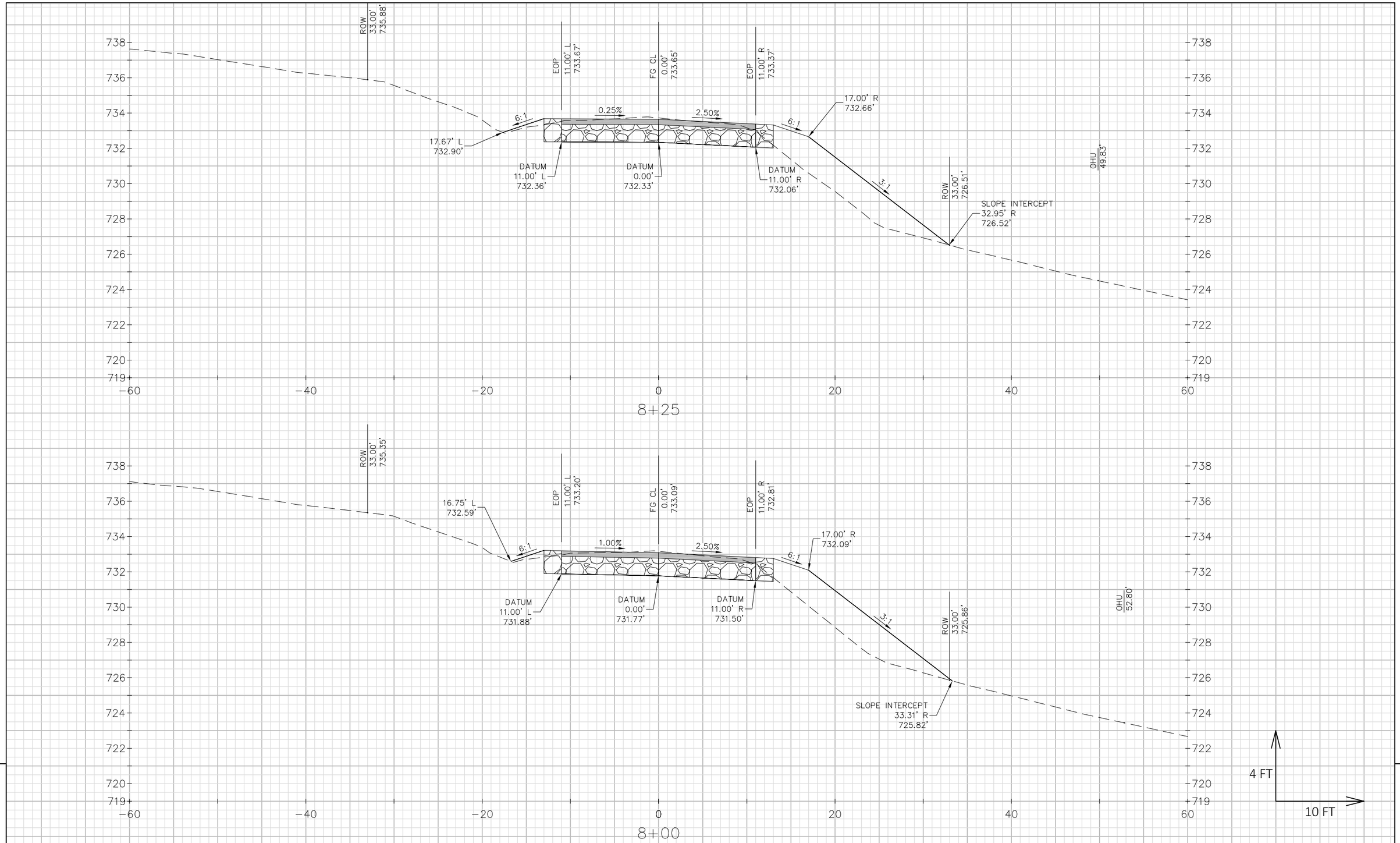
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 65	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS7

PLOT DATE : 10/25/2024 4:23 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

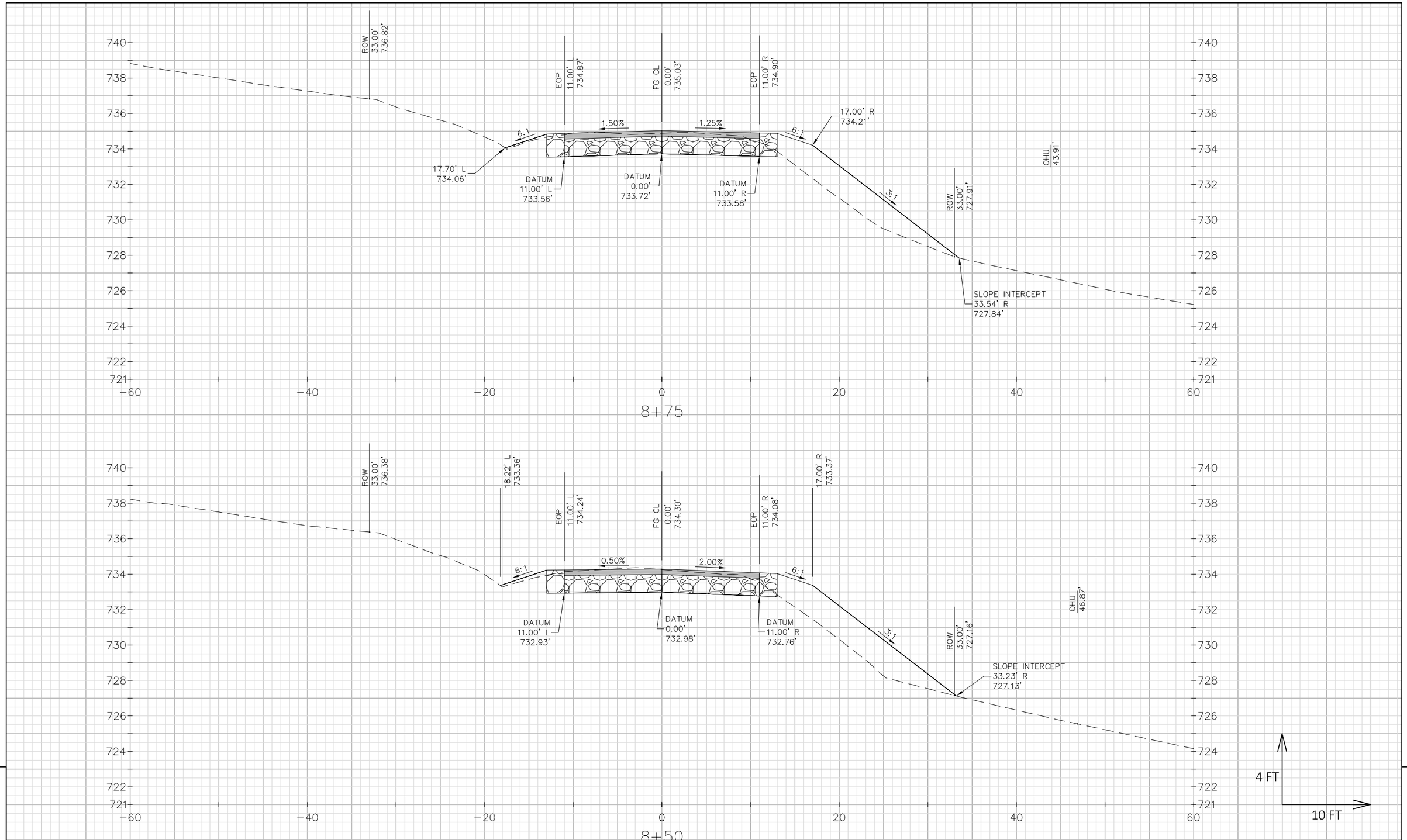


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 66	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS8

PLOT DATE : 10/25/2024 4:23 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

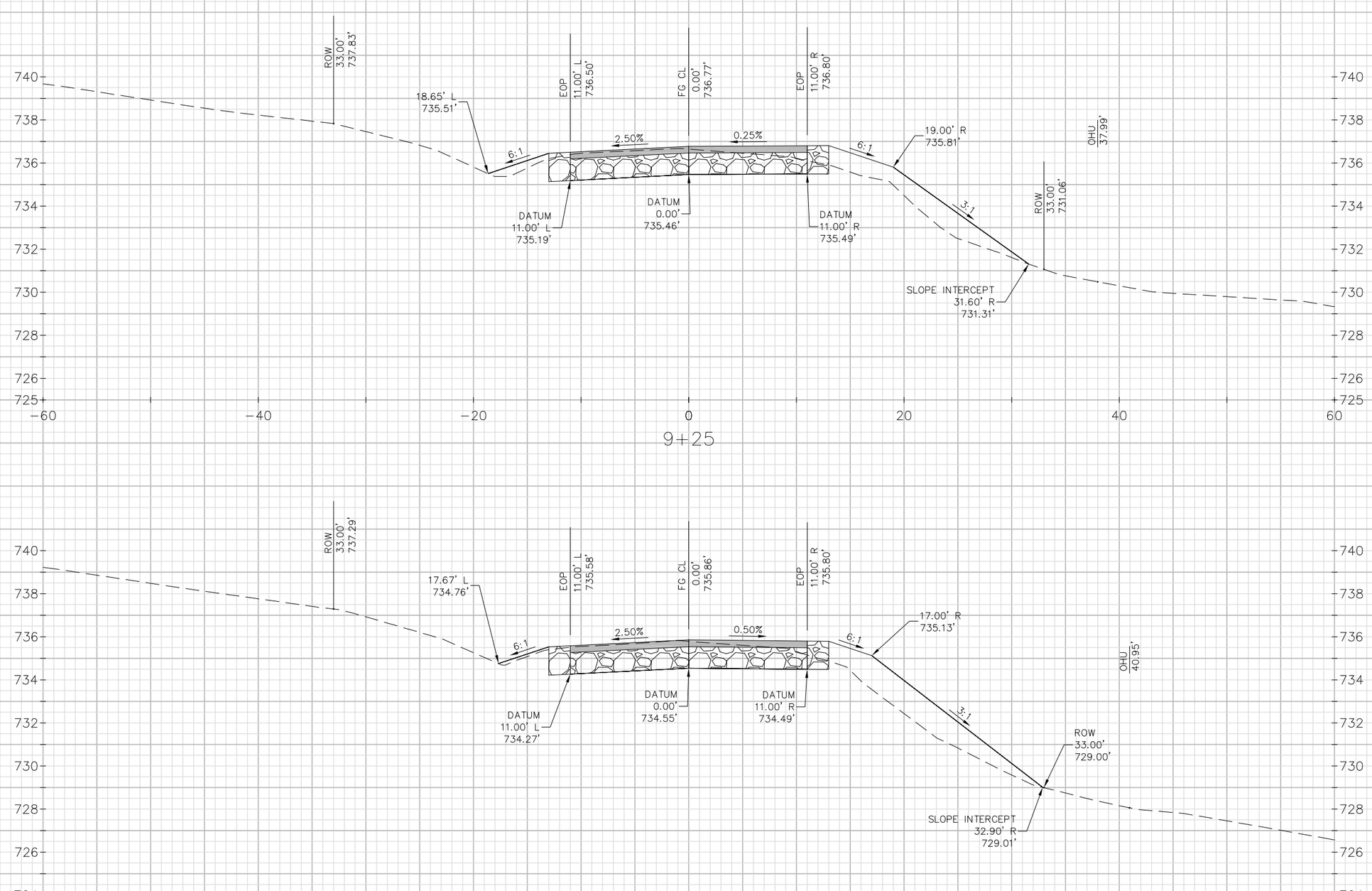


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 67	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS9

PLOT DATE : 10/25/2024 4:23 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

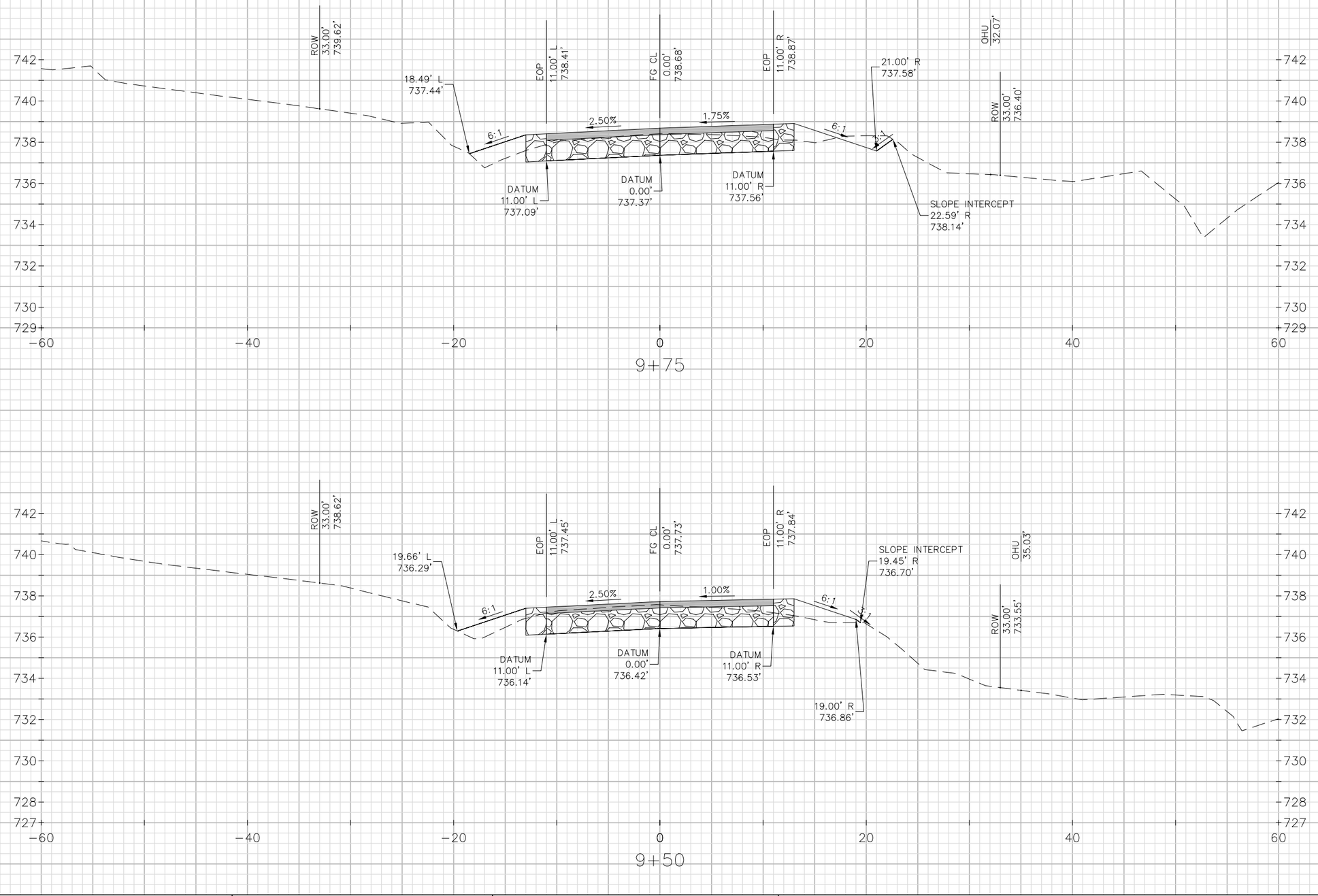


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 68	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS10

PLOT DATE : 10/25/2024 4:23 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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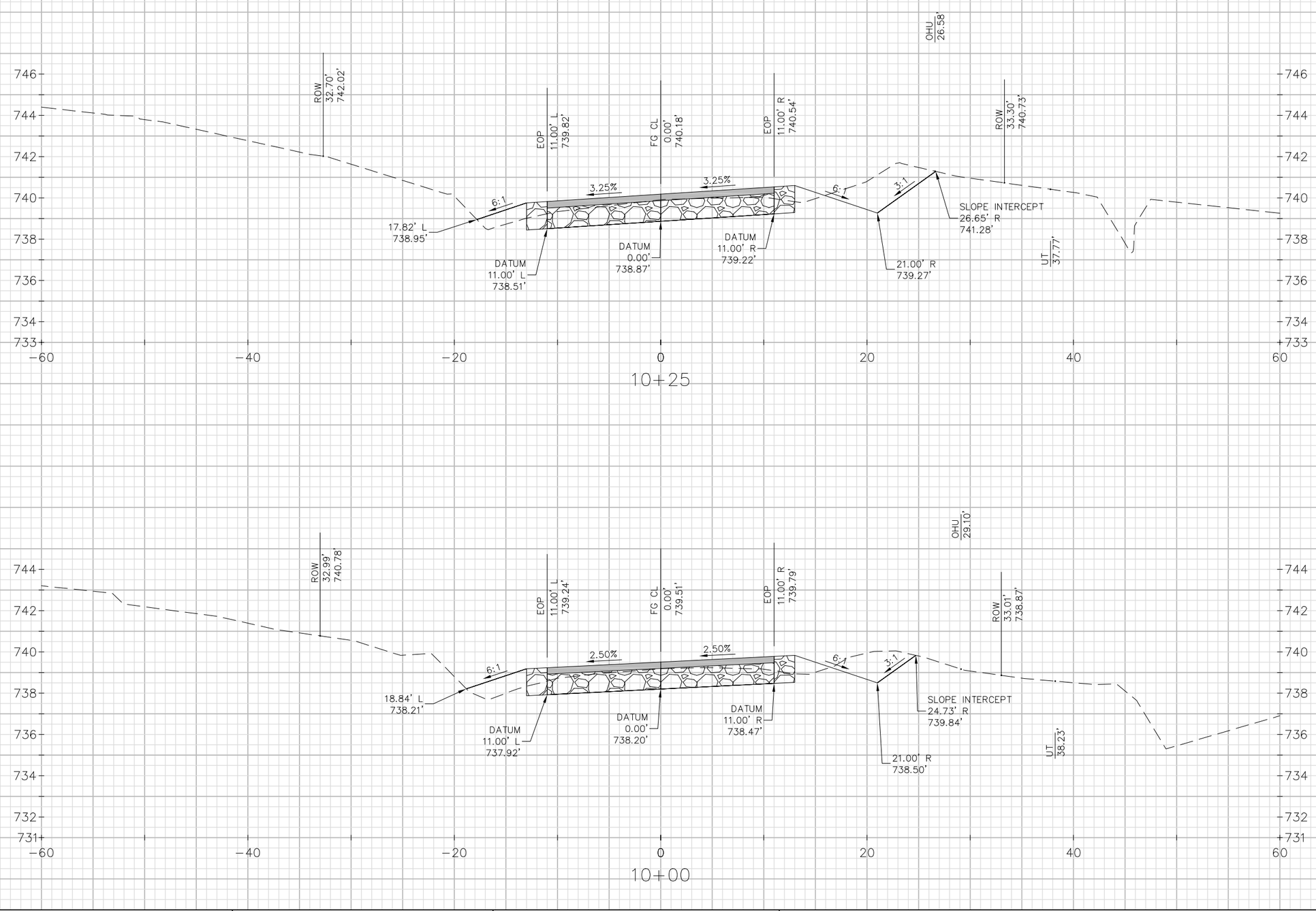
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 69	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS11

PLOT DATE : 10/25/2024 4:23 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

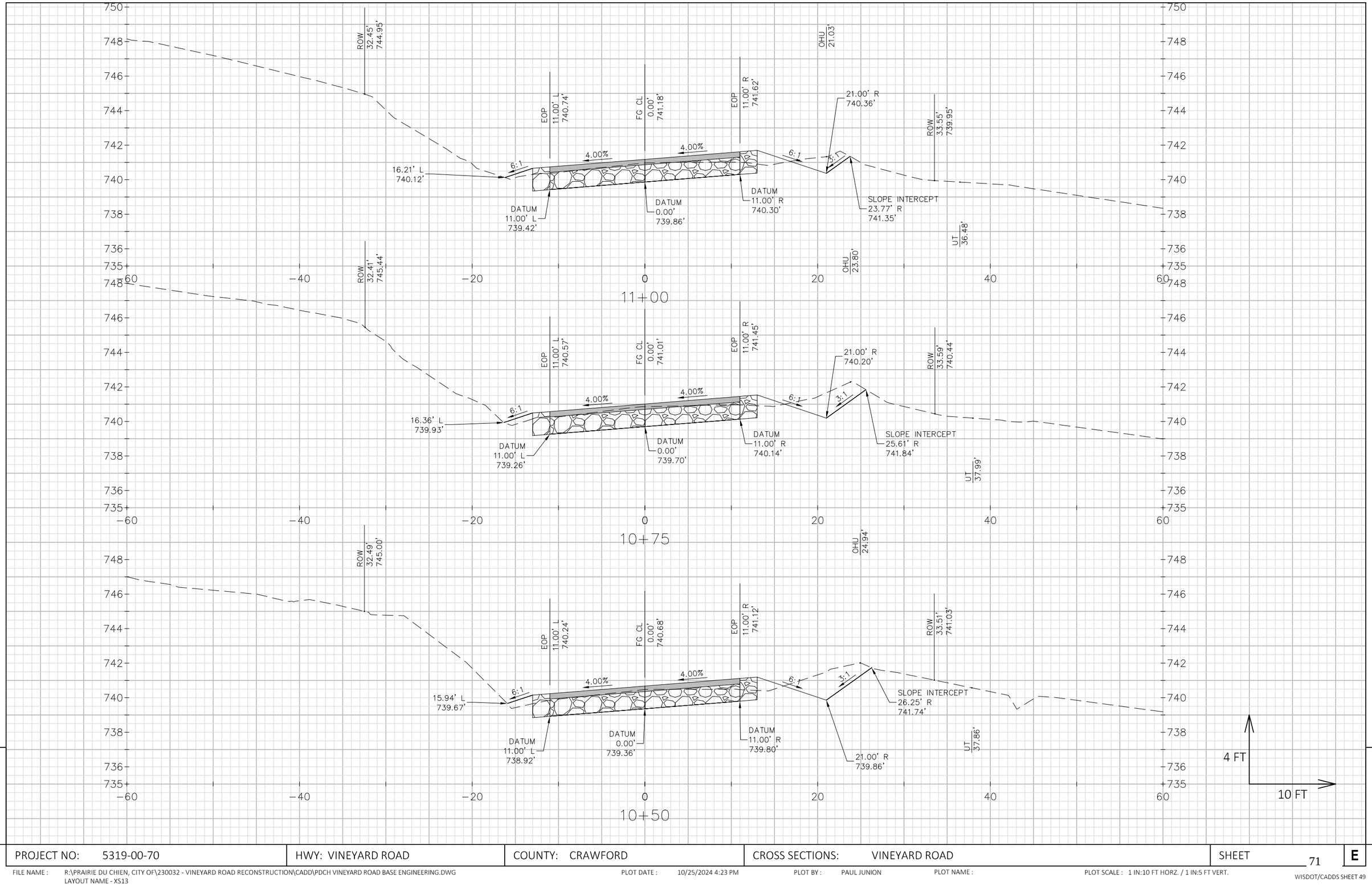


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 70	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS12

PLOT DATE : 10/25/2024 4:23 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

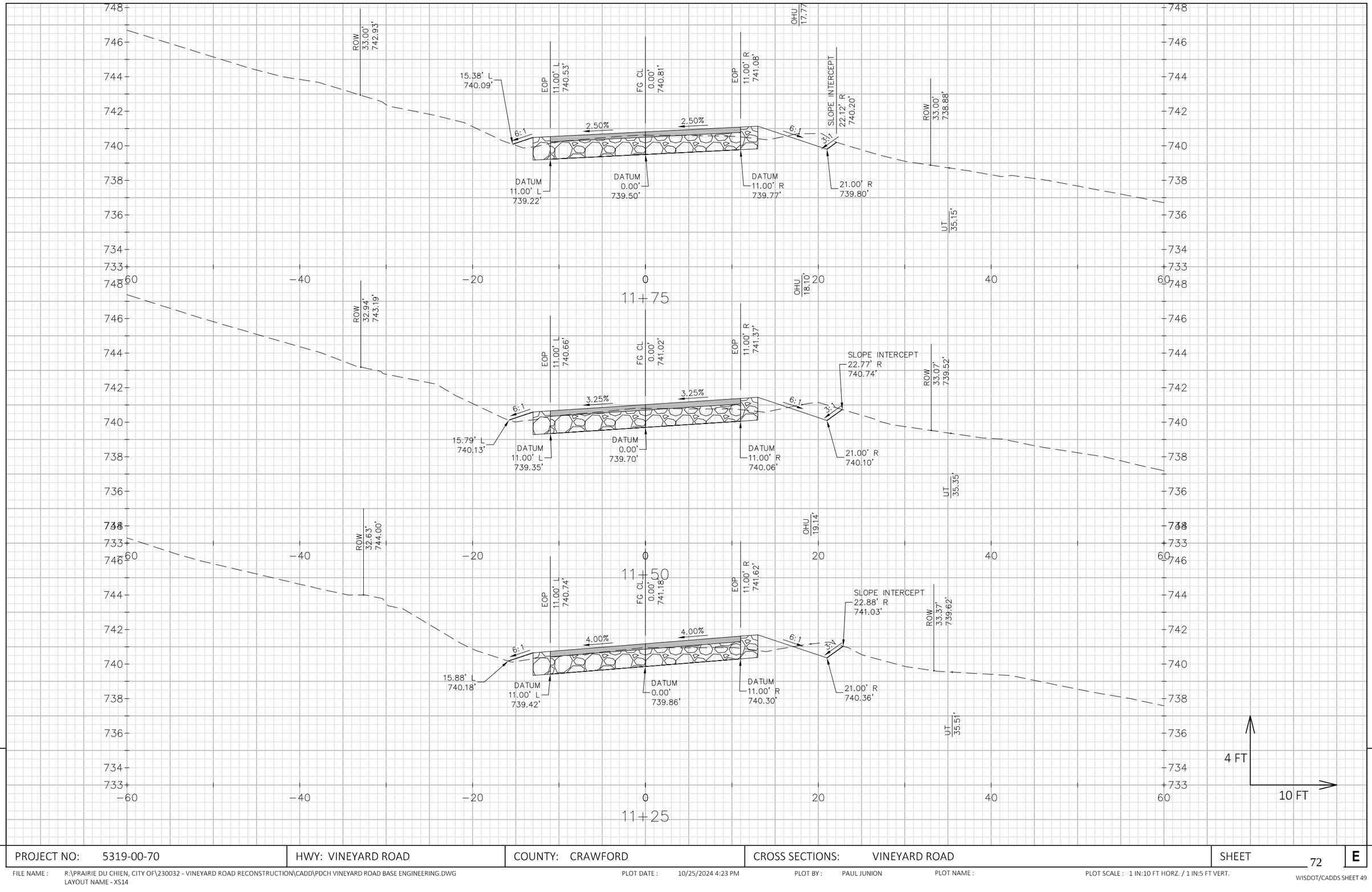


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 71	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS13

PLOT DATE : 10/25/2024 4:23 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

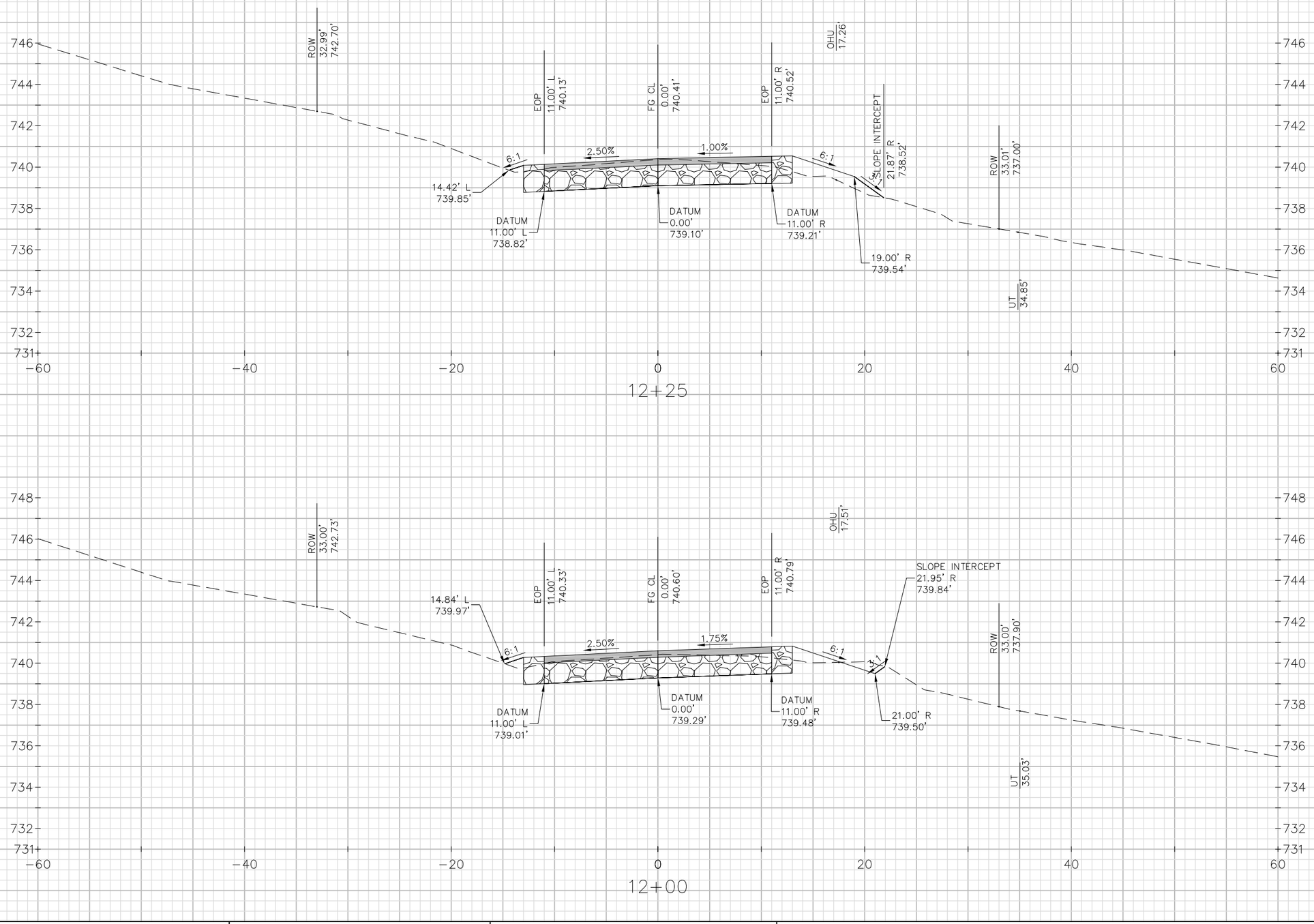


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 72	E

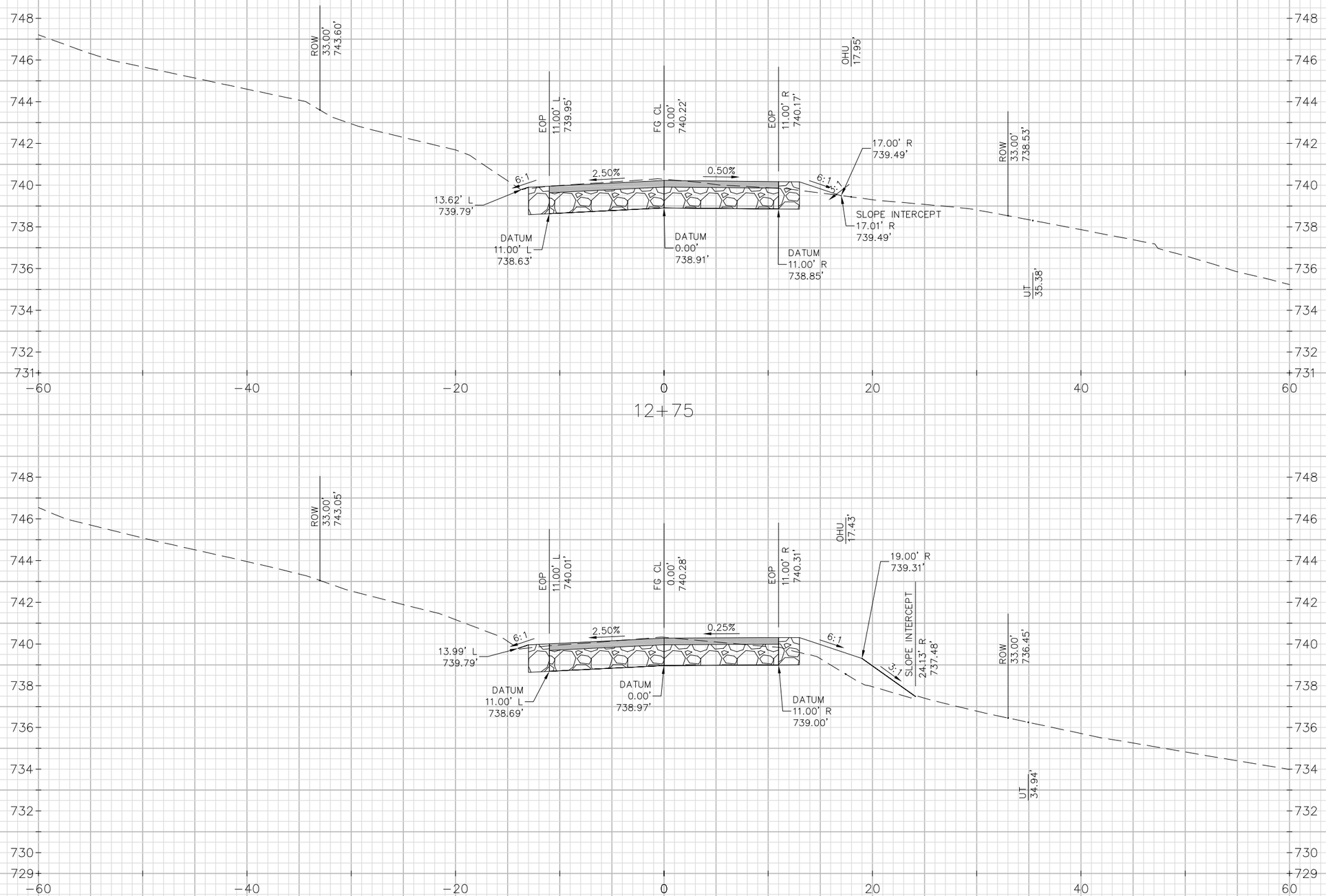
FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS14

PLOT DATE : 10/25/2024 4:23 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 73	E

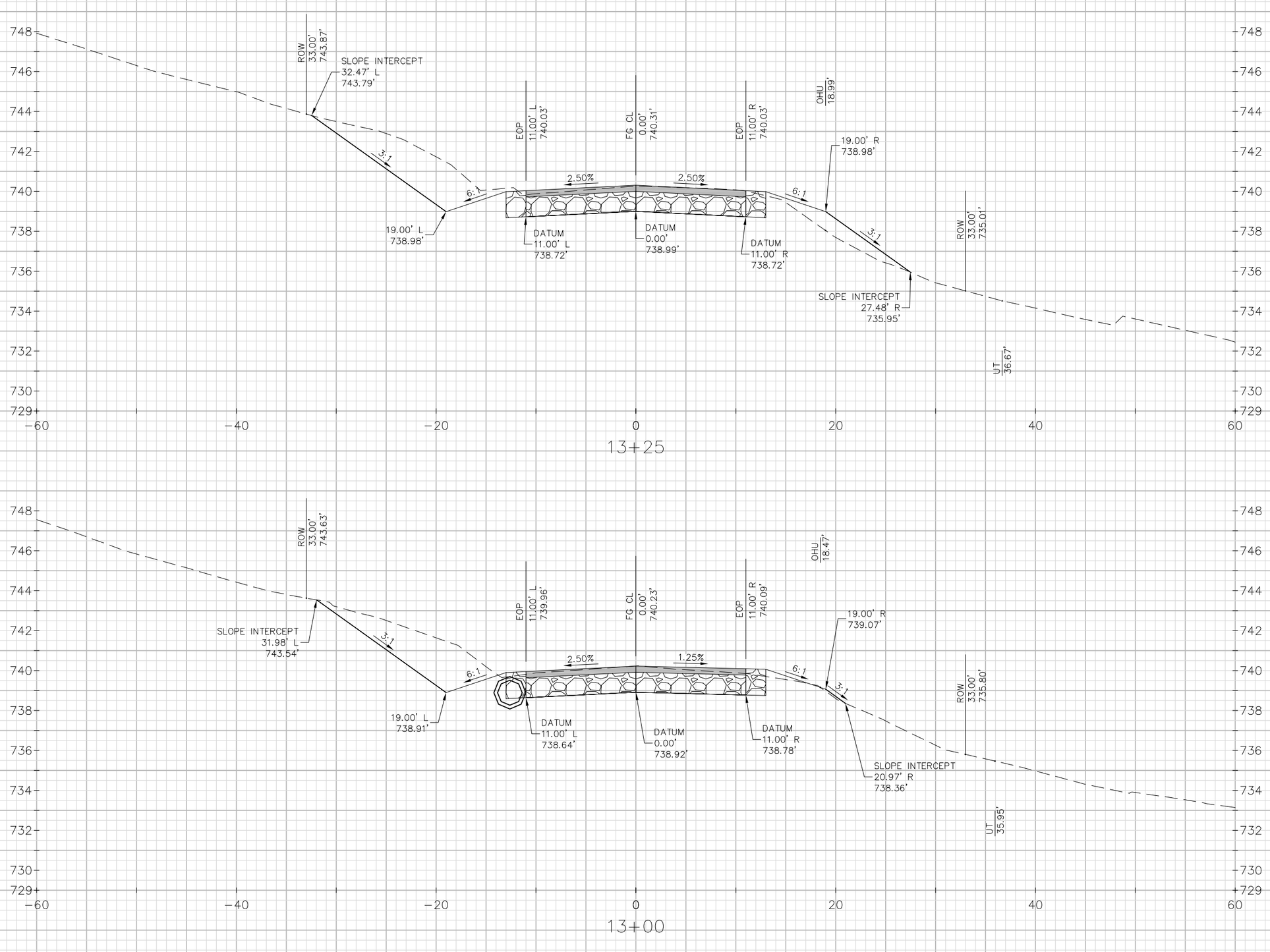


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 74	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS16

PLOT DATE : 10/25/2024 4:24 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

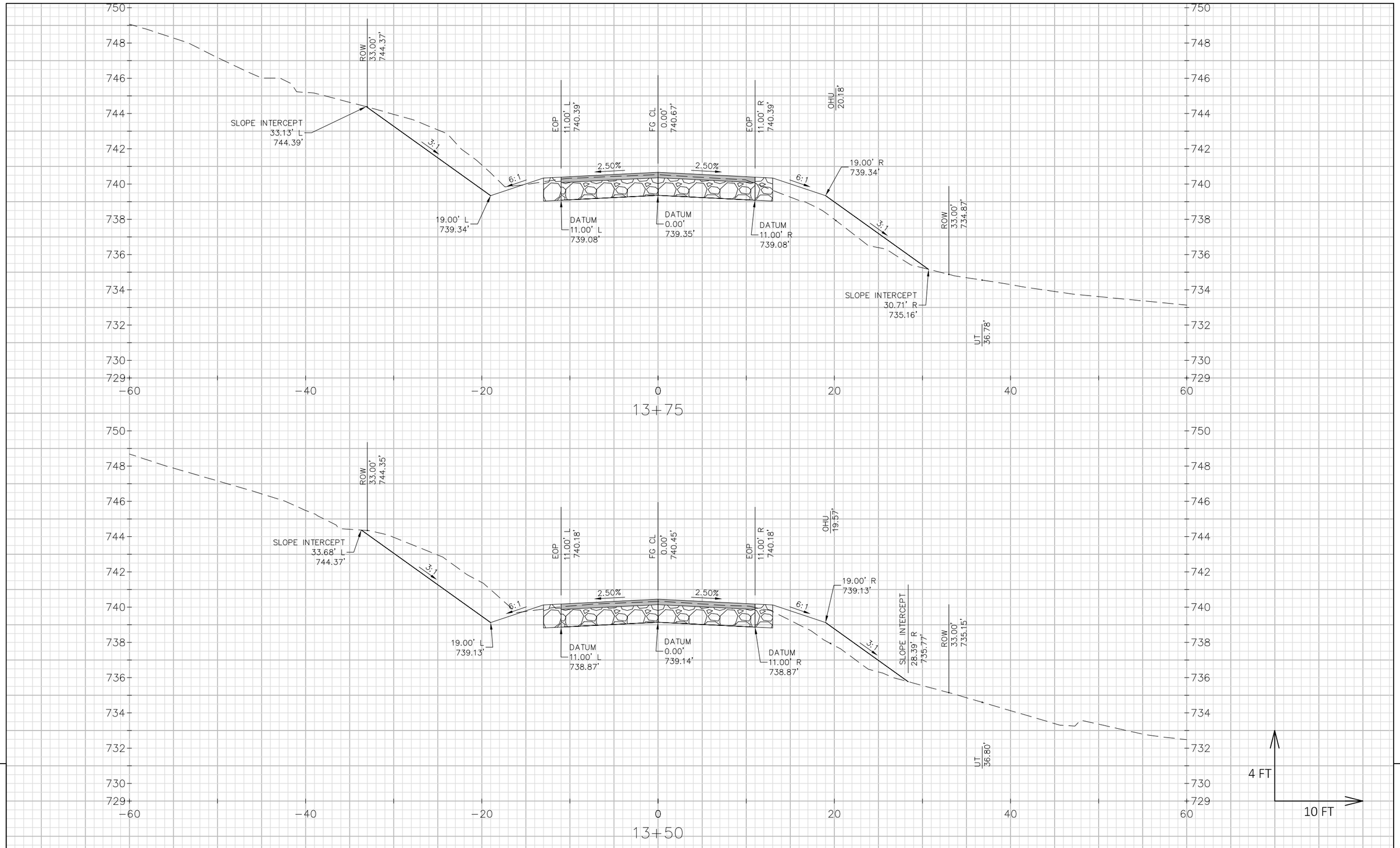


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 75	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS17

PLOT DATE : 10/25/2024 4:24 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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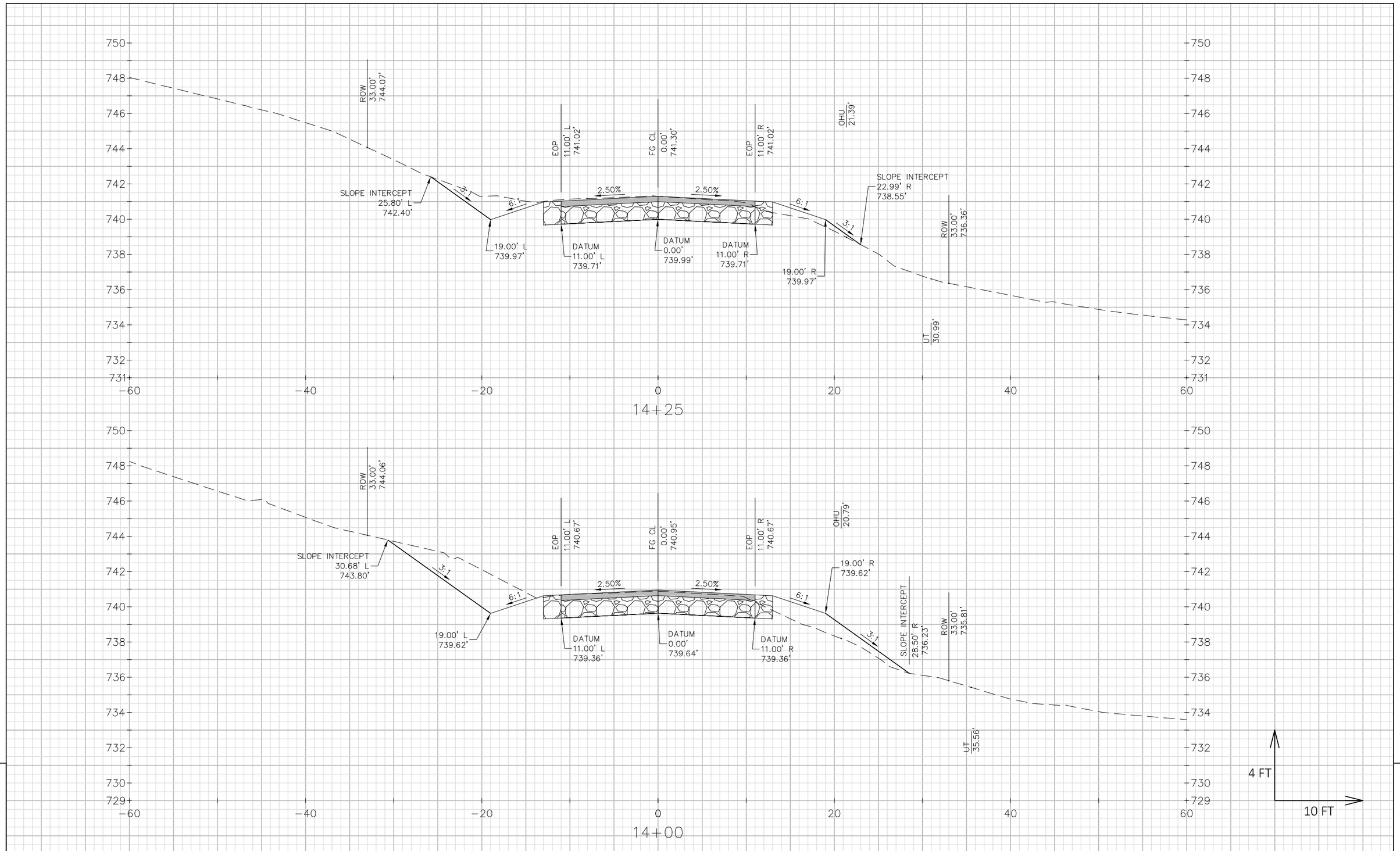
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 76	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS18

PLOT DATE : 10/25/2024 4:24 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

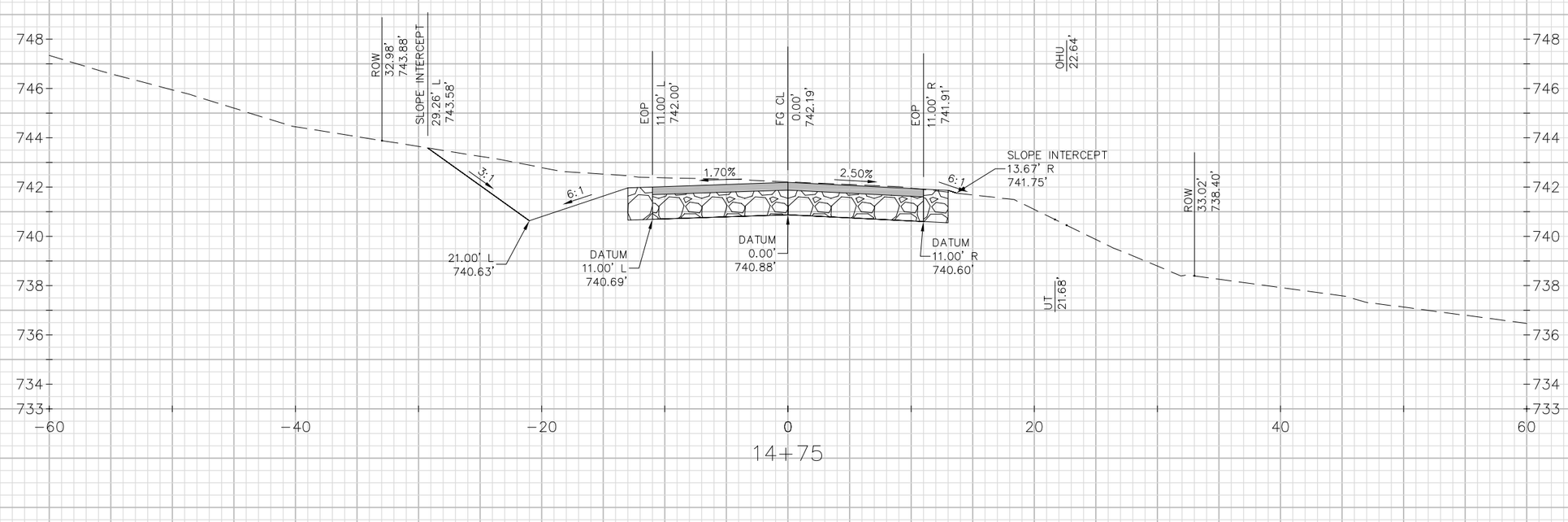


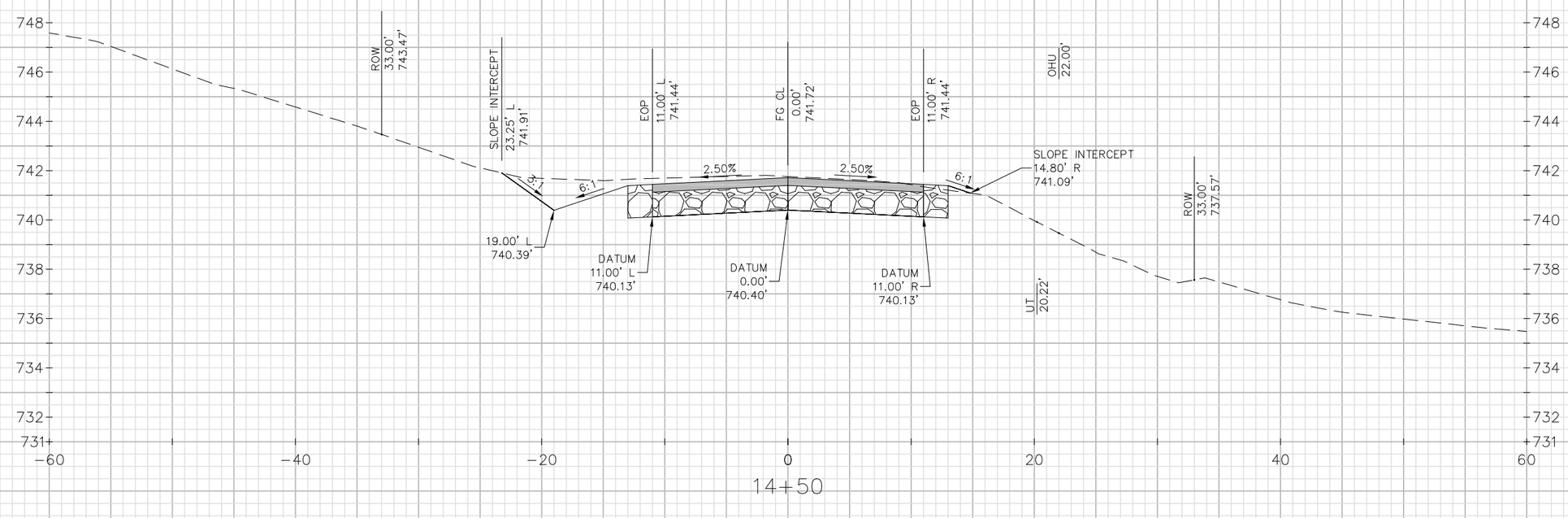
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 77	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS19

PLOT DATE : 10/25/2024 4:24 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





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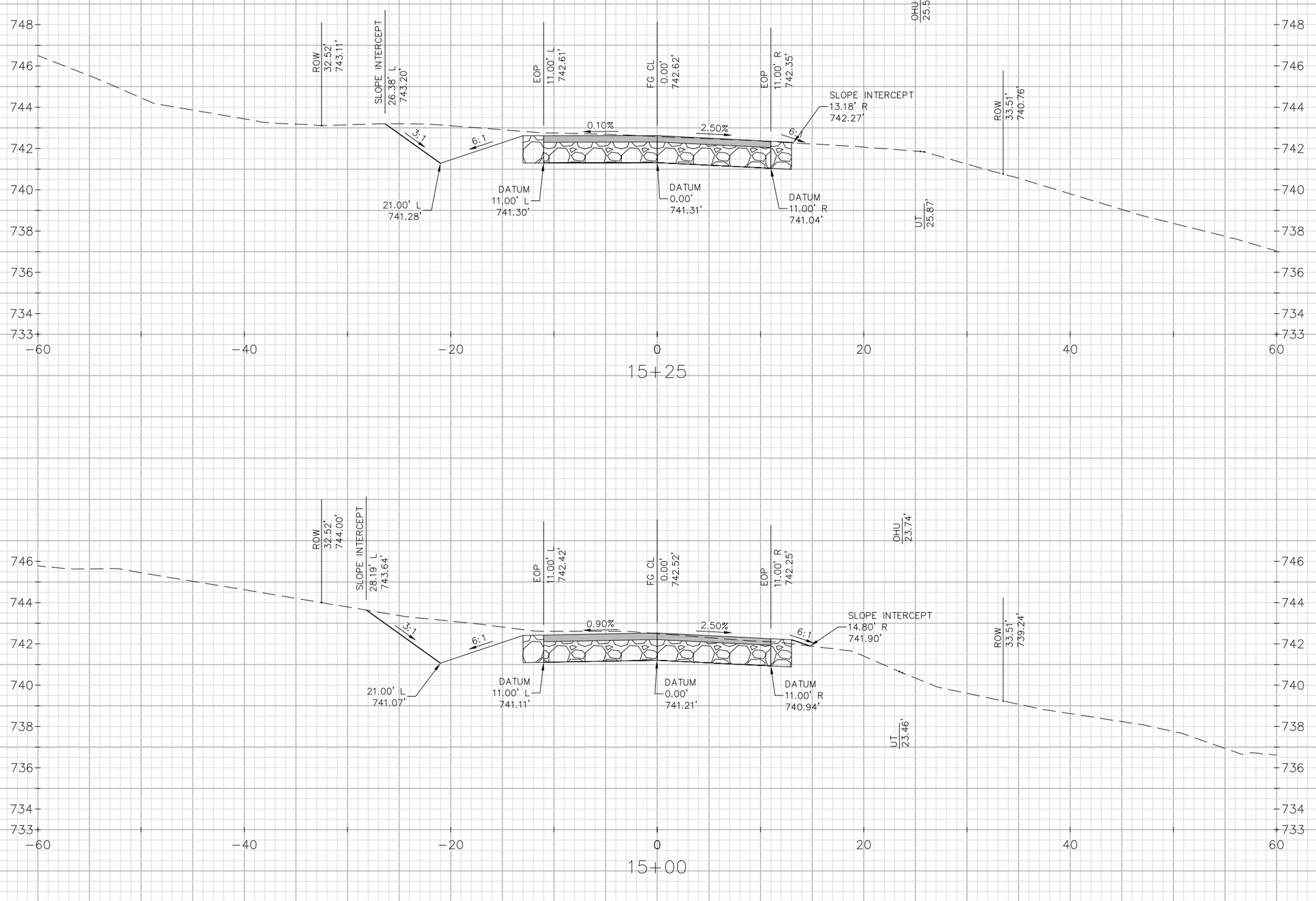
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 78	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS20

PLOT DATE : 10/25/2024 4:24 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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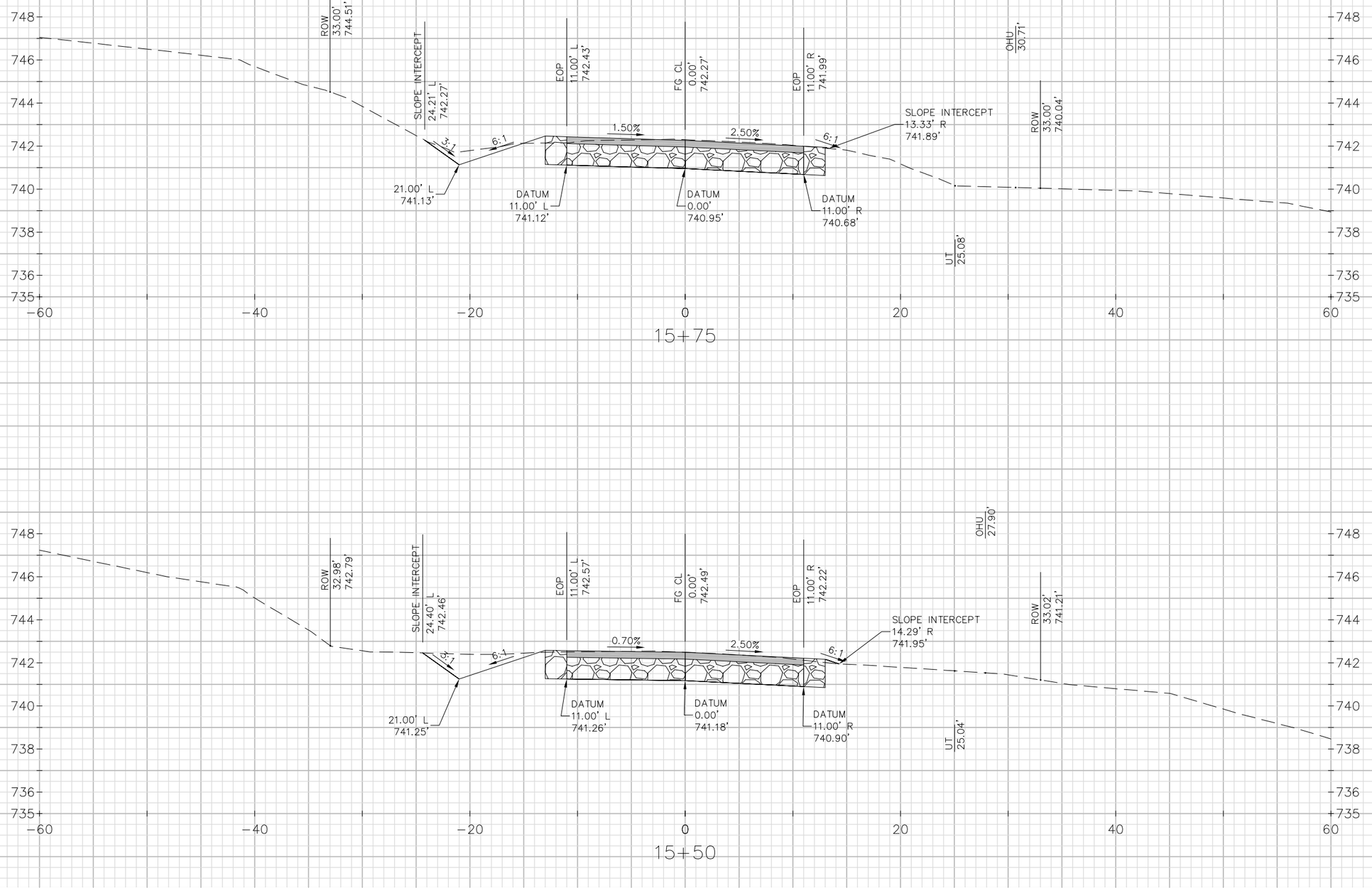
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 79	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS21

PLOT DATE : 10/25/2024 4:24 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.



9

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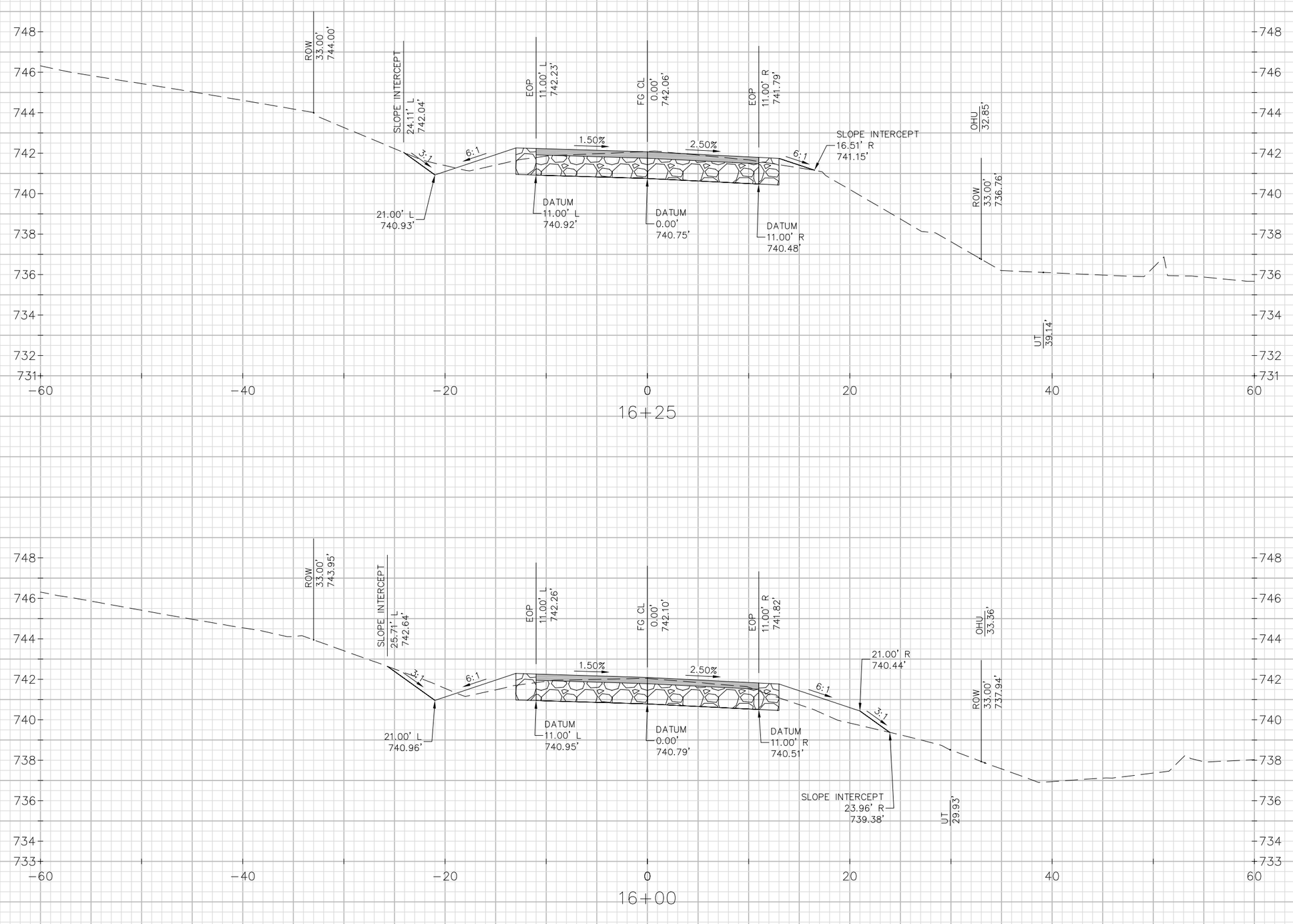
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 80	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS22

PLOT DATE : 10/25/2024 4:25 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.



9

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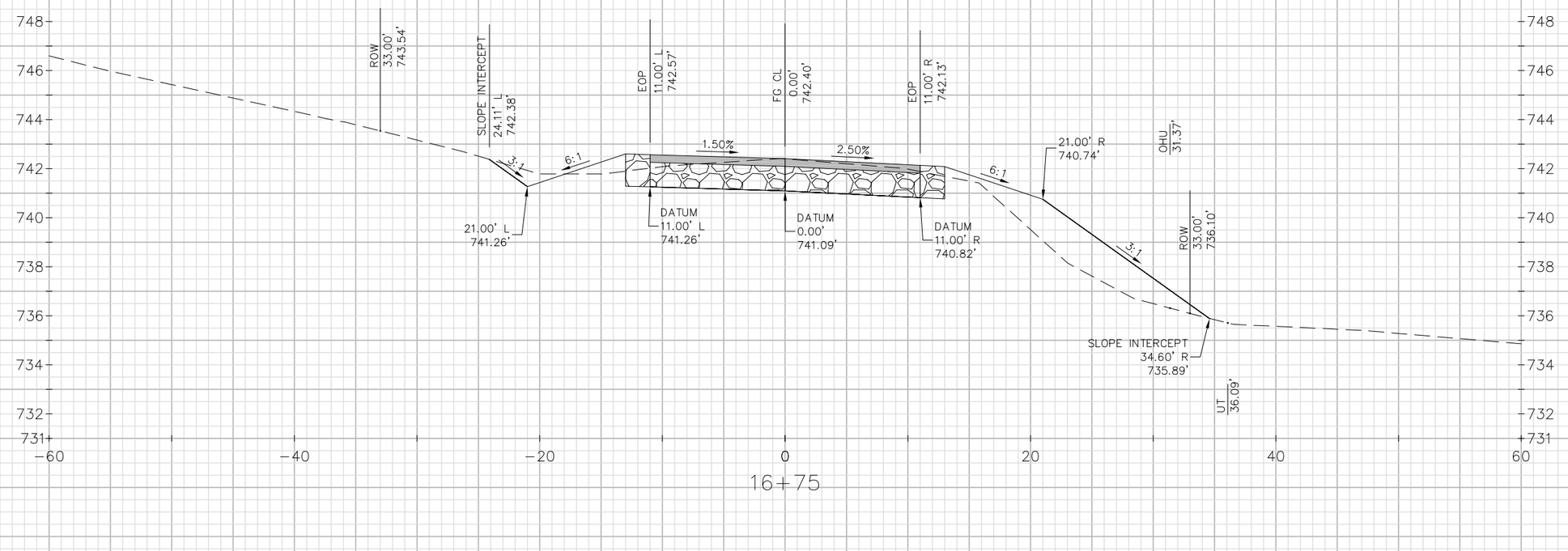
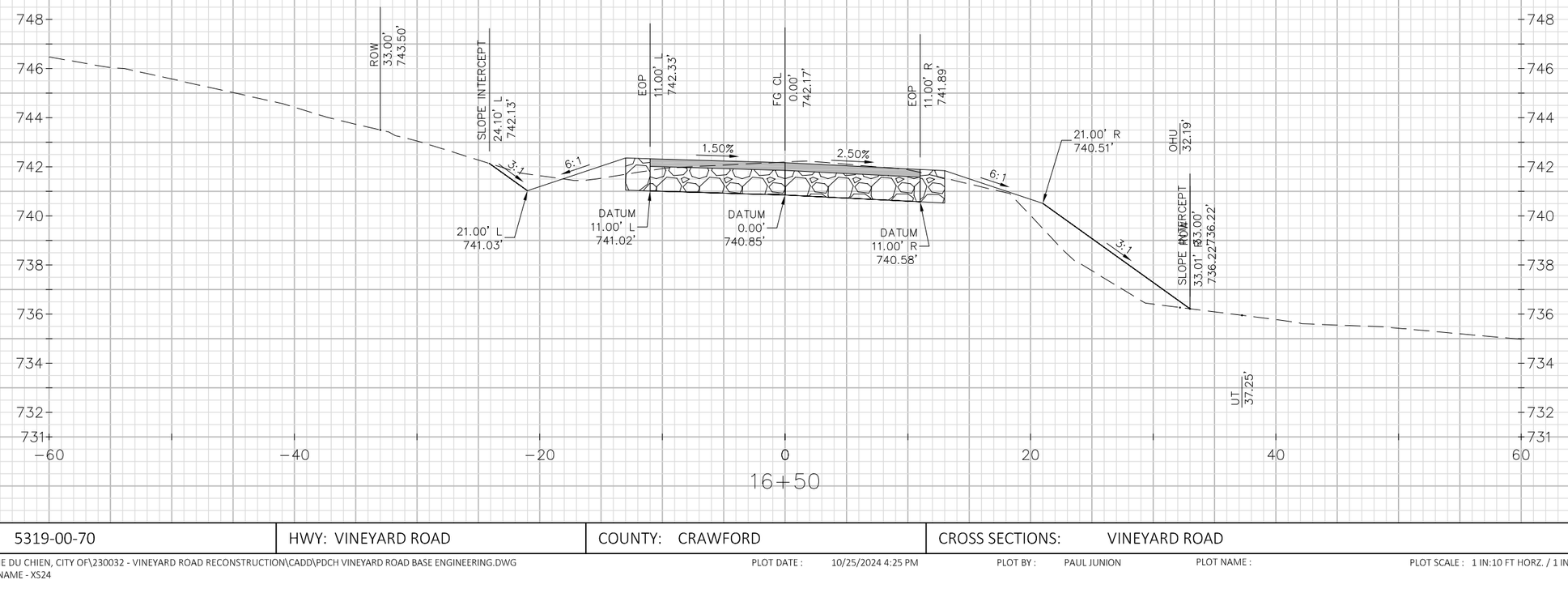
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 81	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS23

PLOT DATE : 10/25/2024 4:25 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





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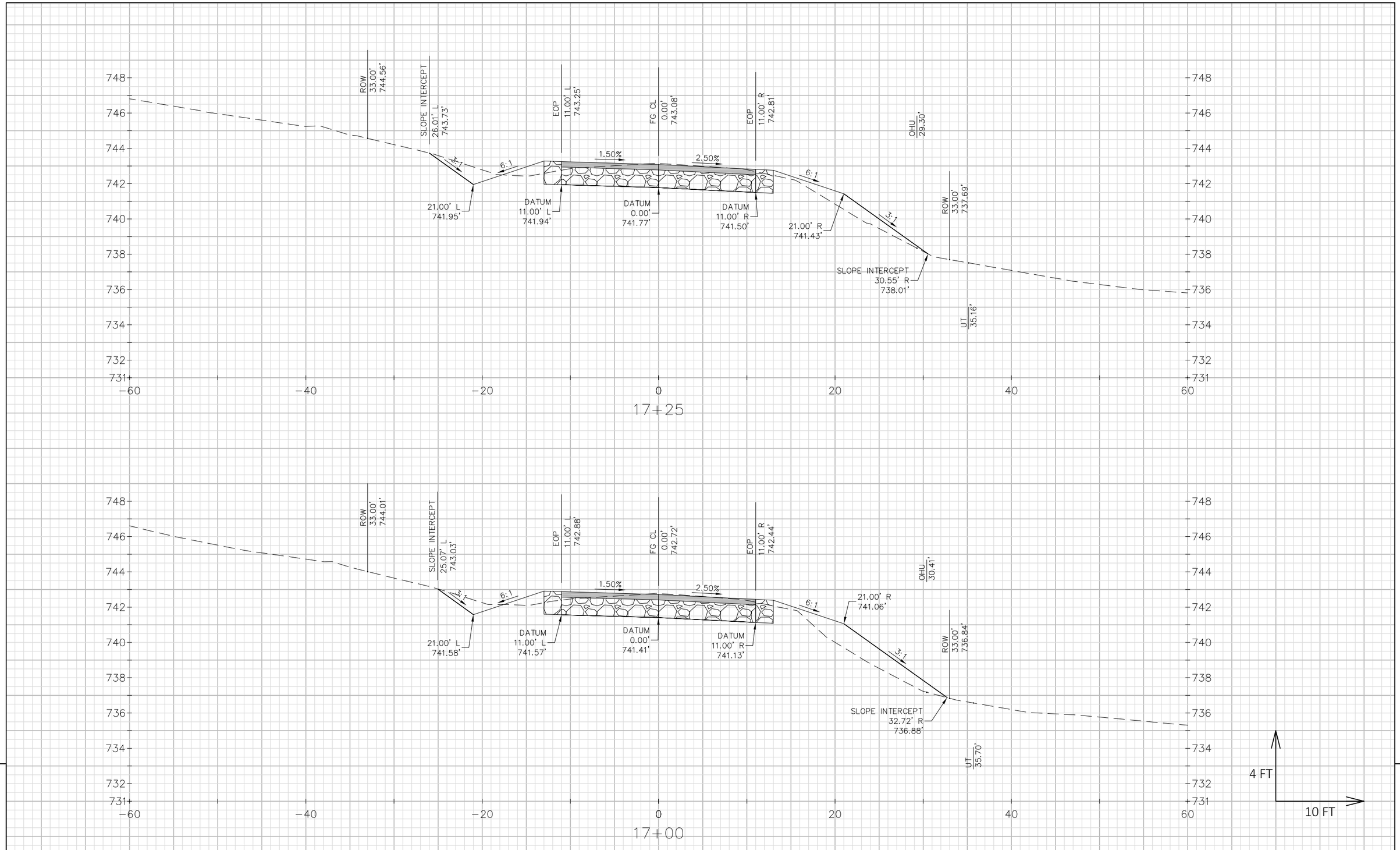
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 82	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS24

PLOT DATE : 10/25/2024 4:25 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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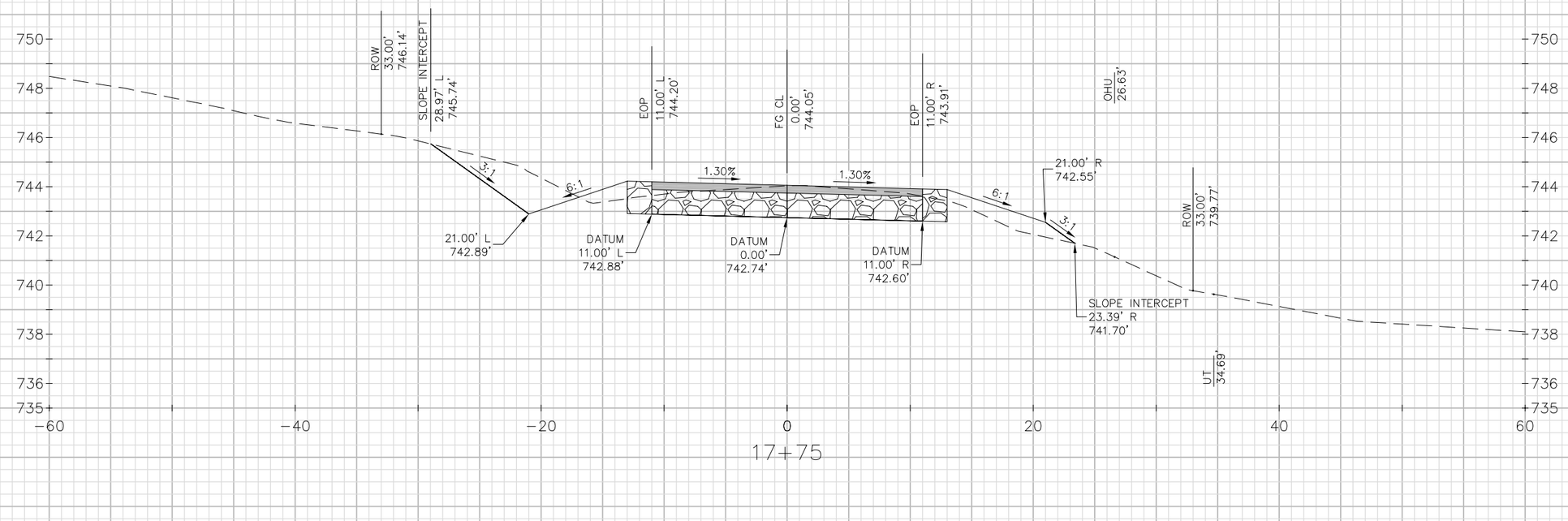
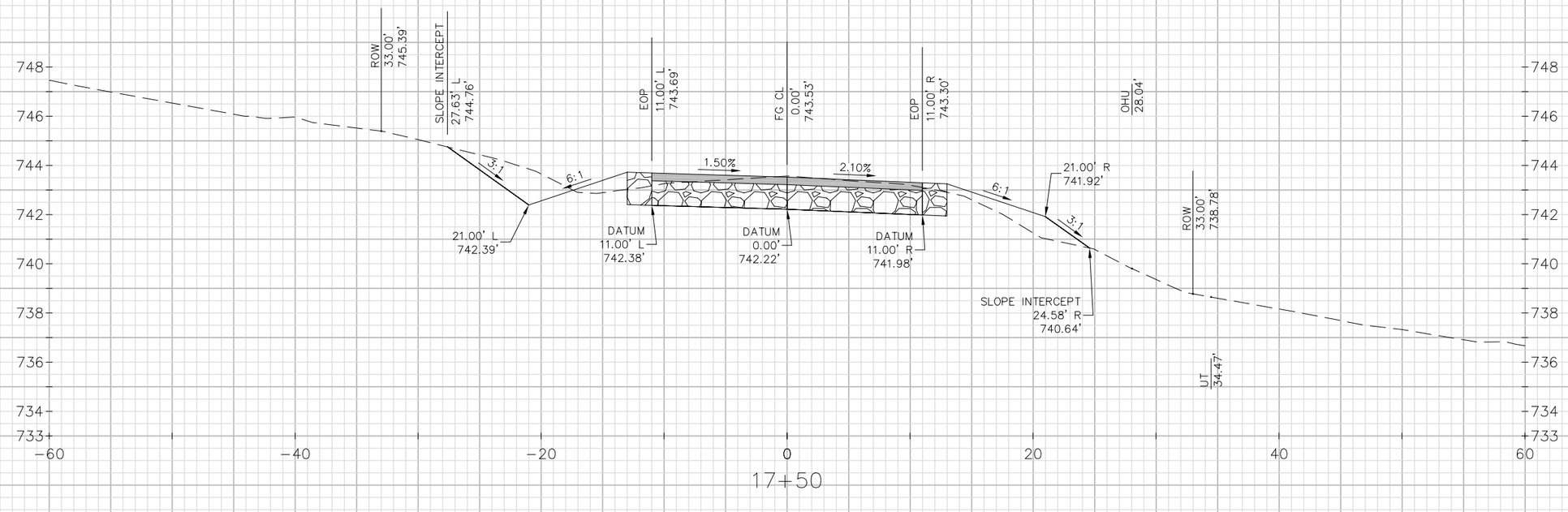
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 83	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS25

PLOT DATE : 10/25/2024 4:25 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





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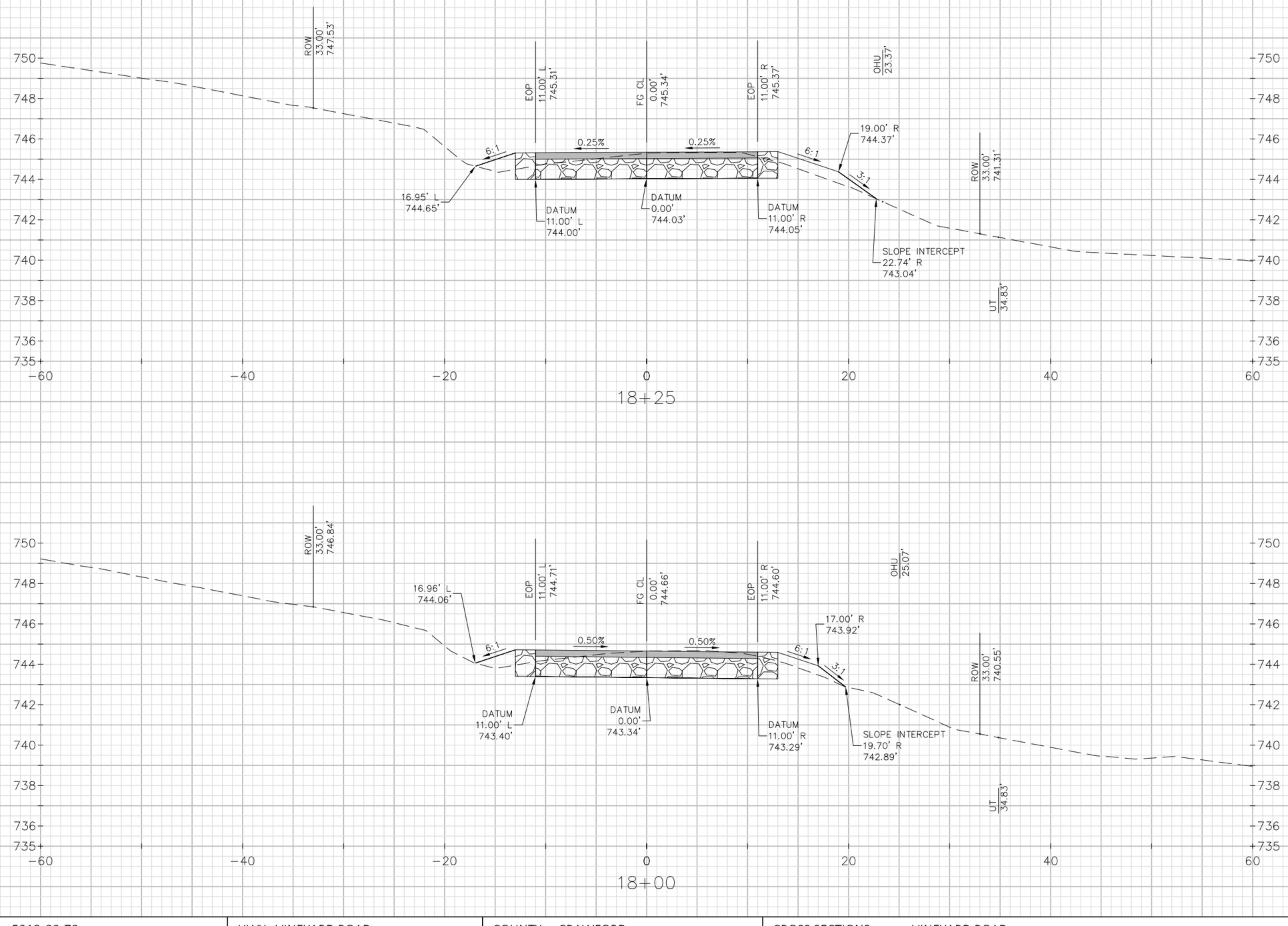
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 84	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS26

PLOT DATE : 10/25/2024 4:25 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.



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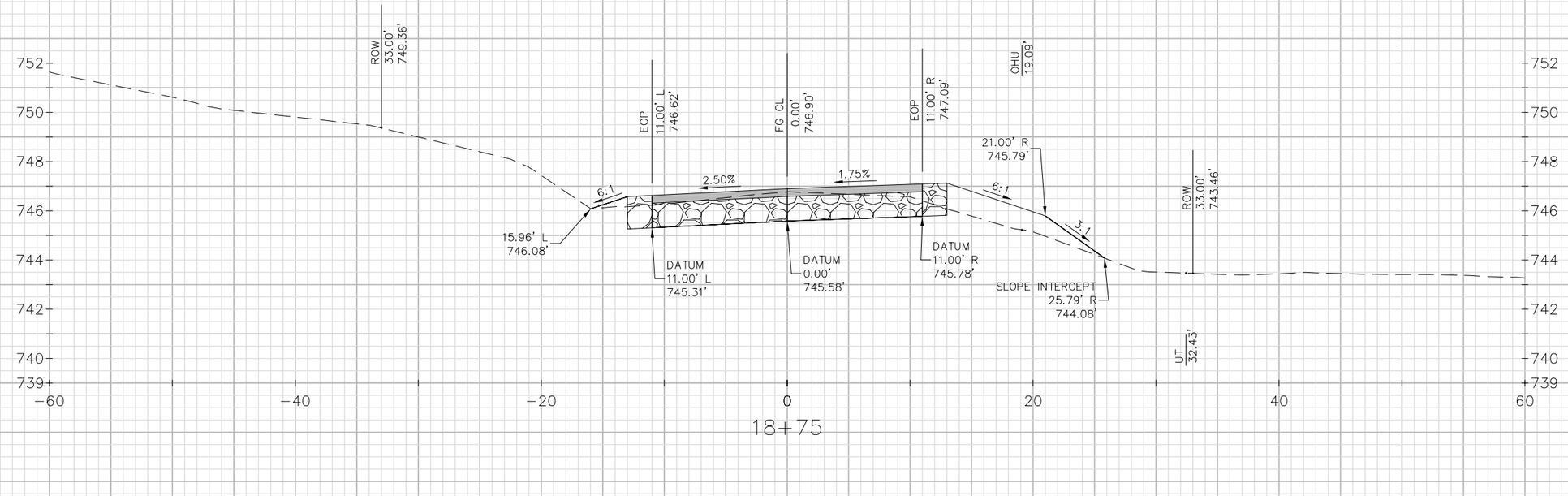
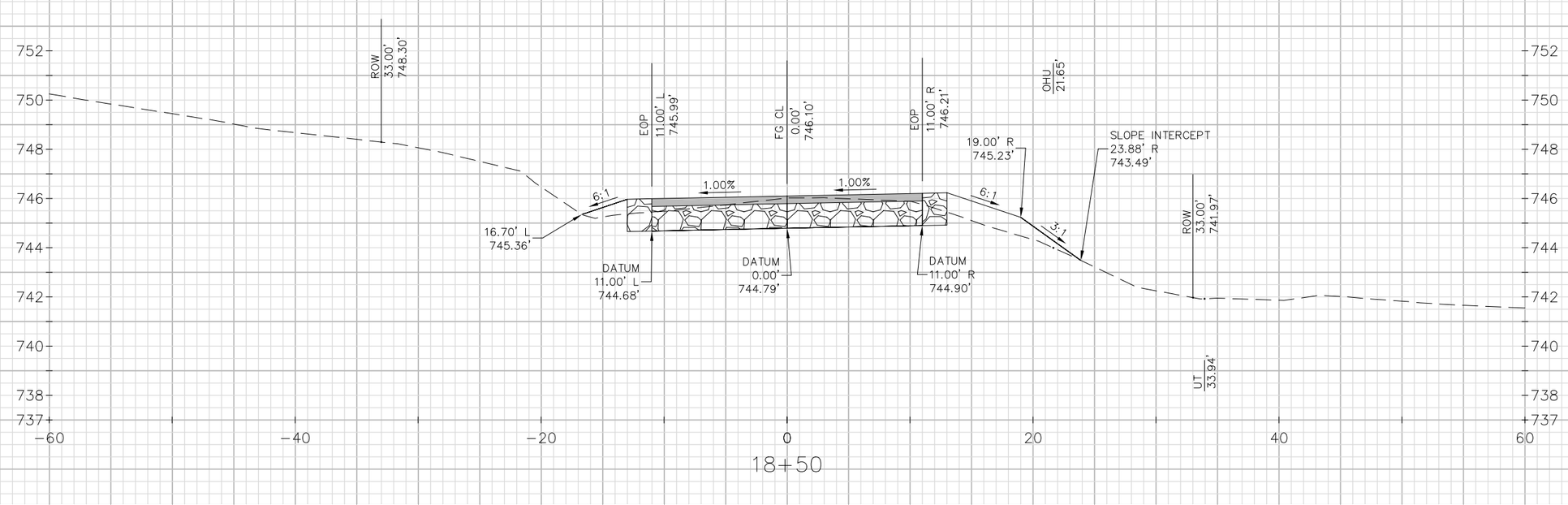
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 85	E



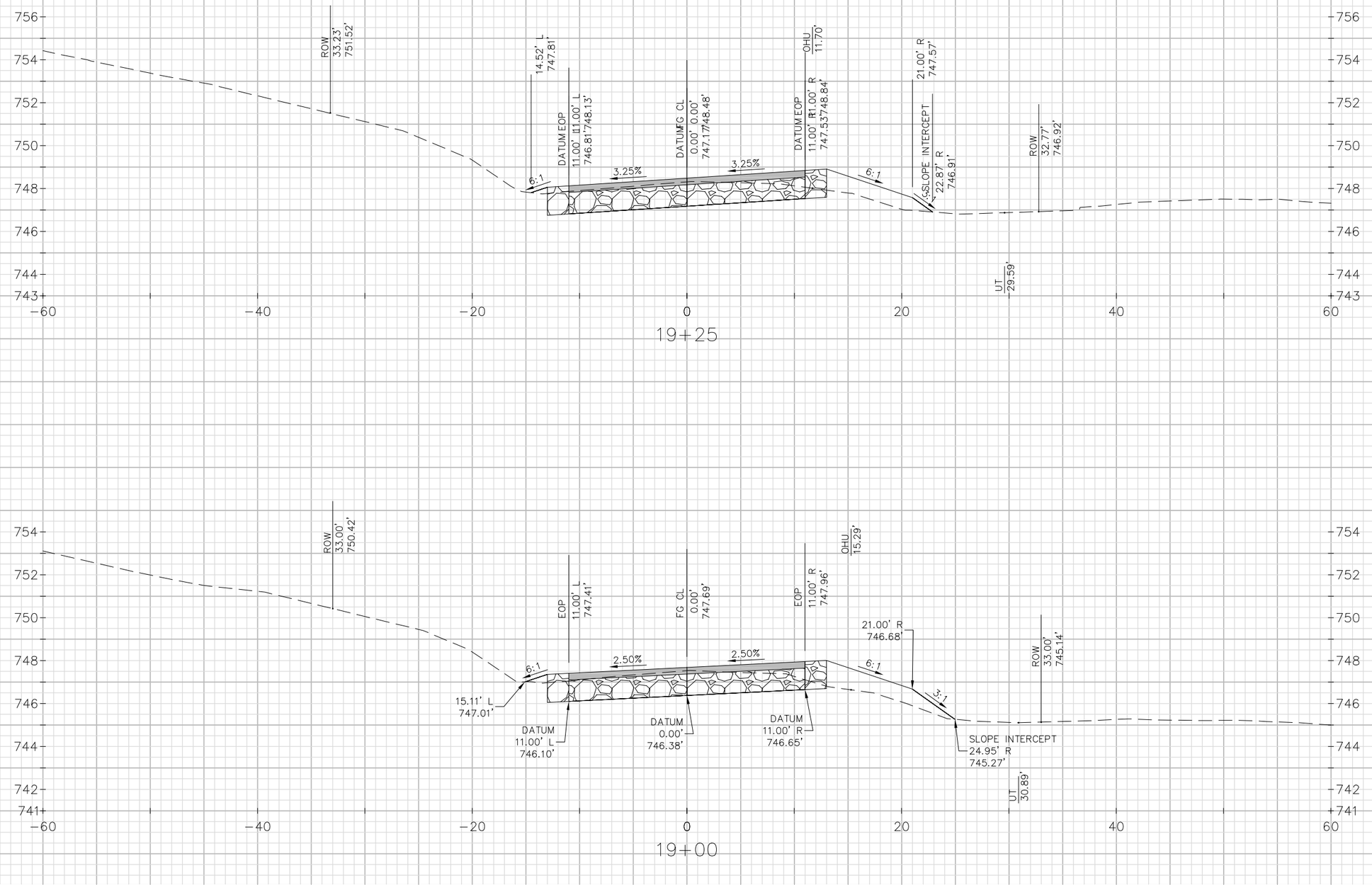


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 86	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS28

PLOT DATE : 10/25/2024 4:25 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

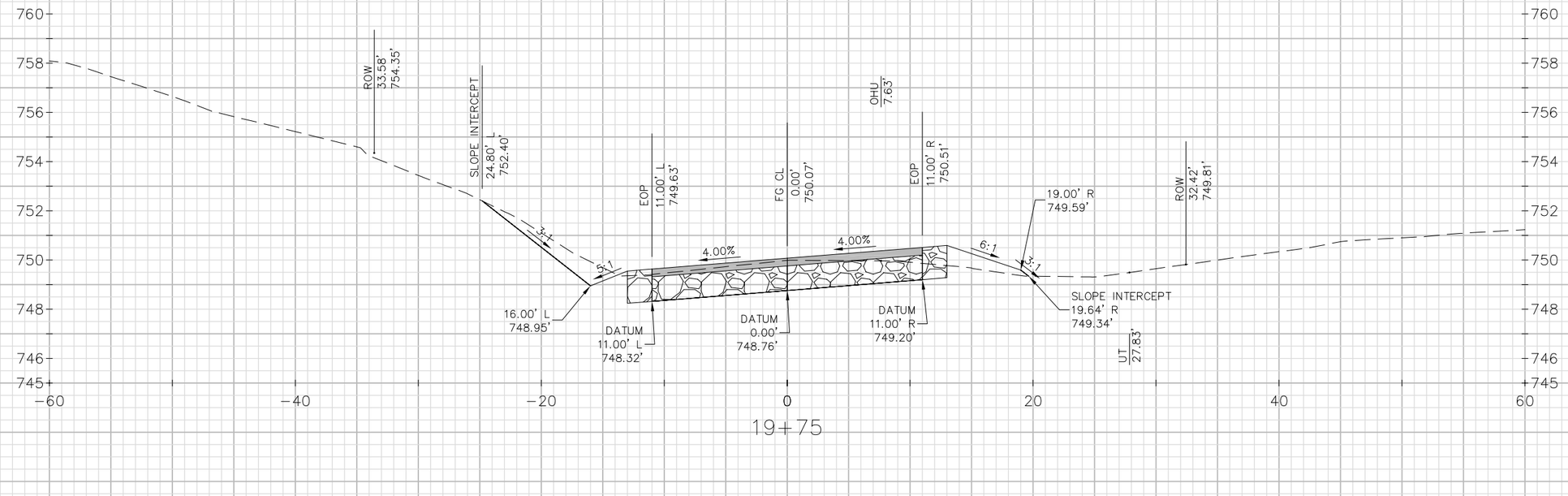


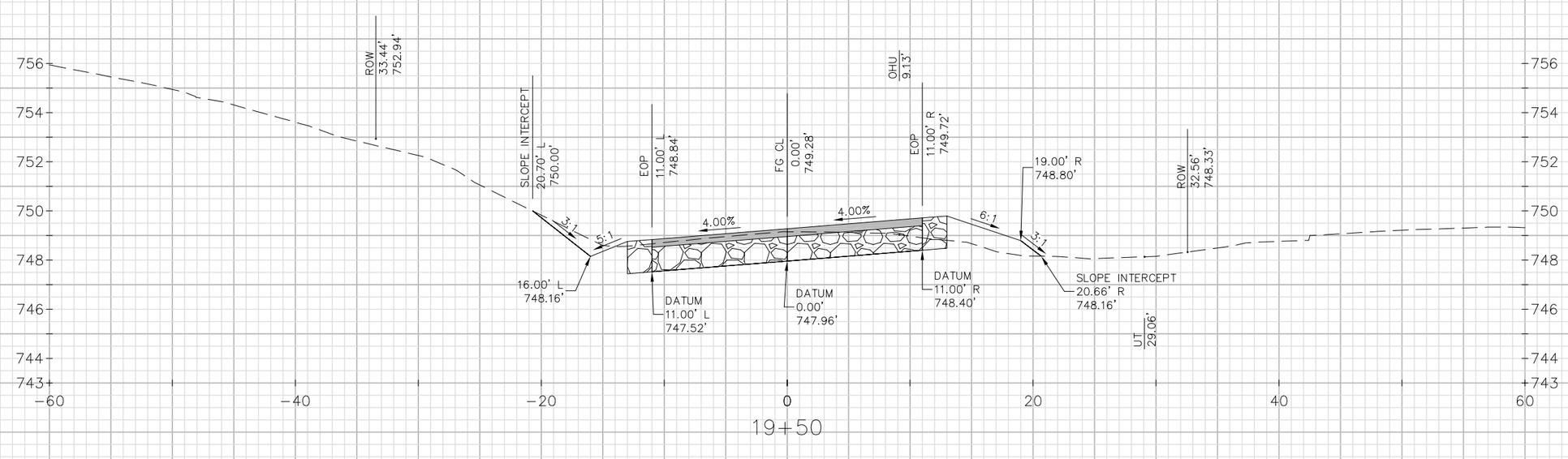
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 87	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS29

PLOT DATE : 10/25/2024 4:25 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





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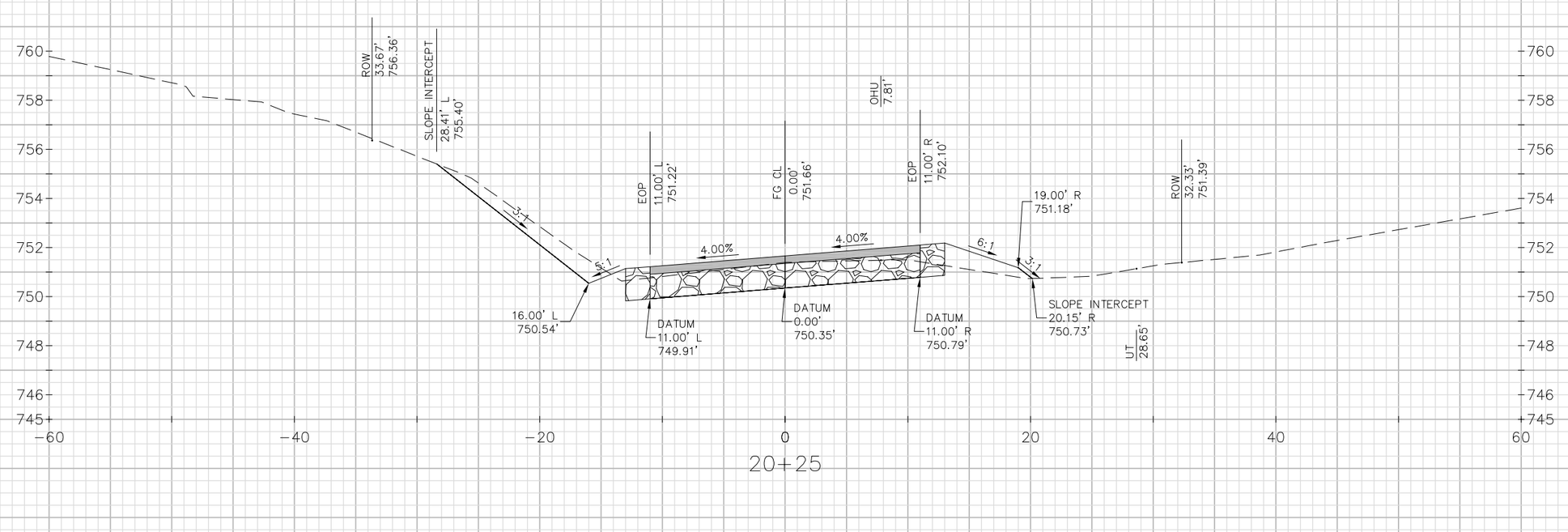
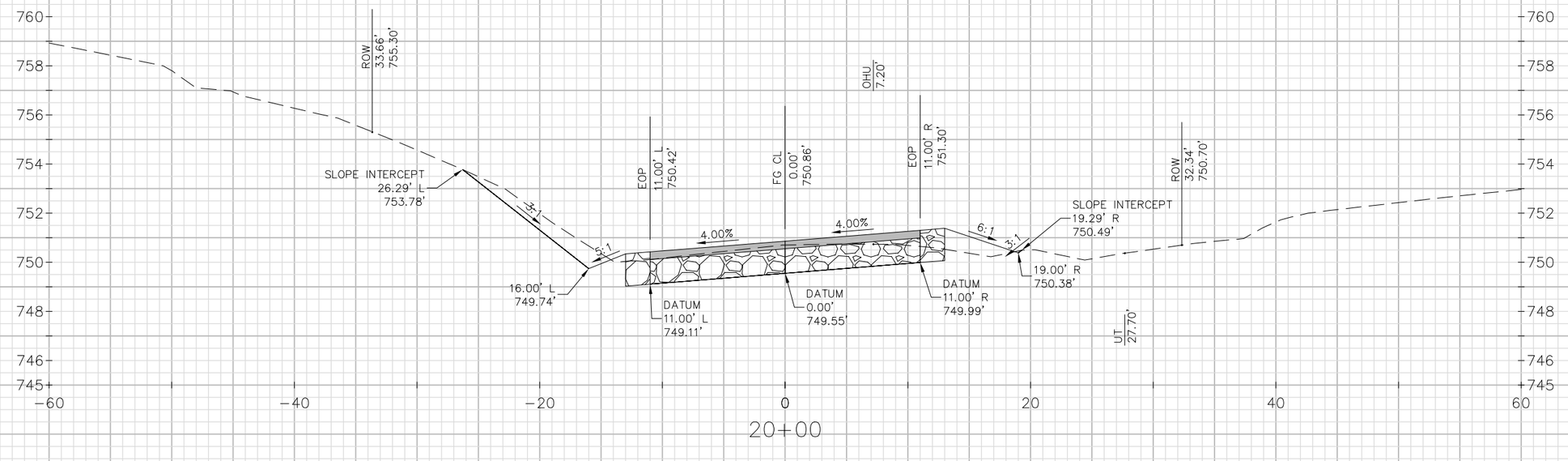
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 88	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS30

PLOT DATE : 10/25/2024 4:26 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.





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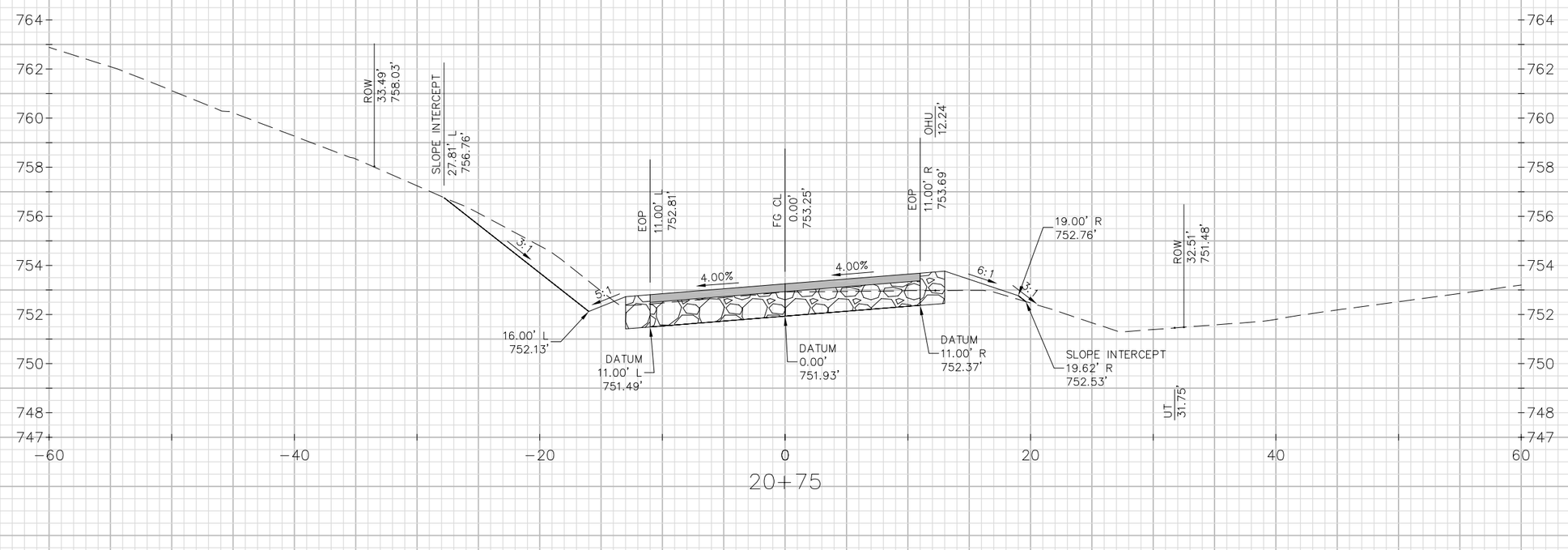
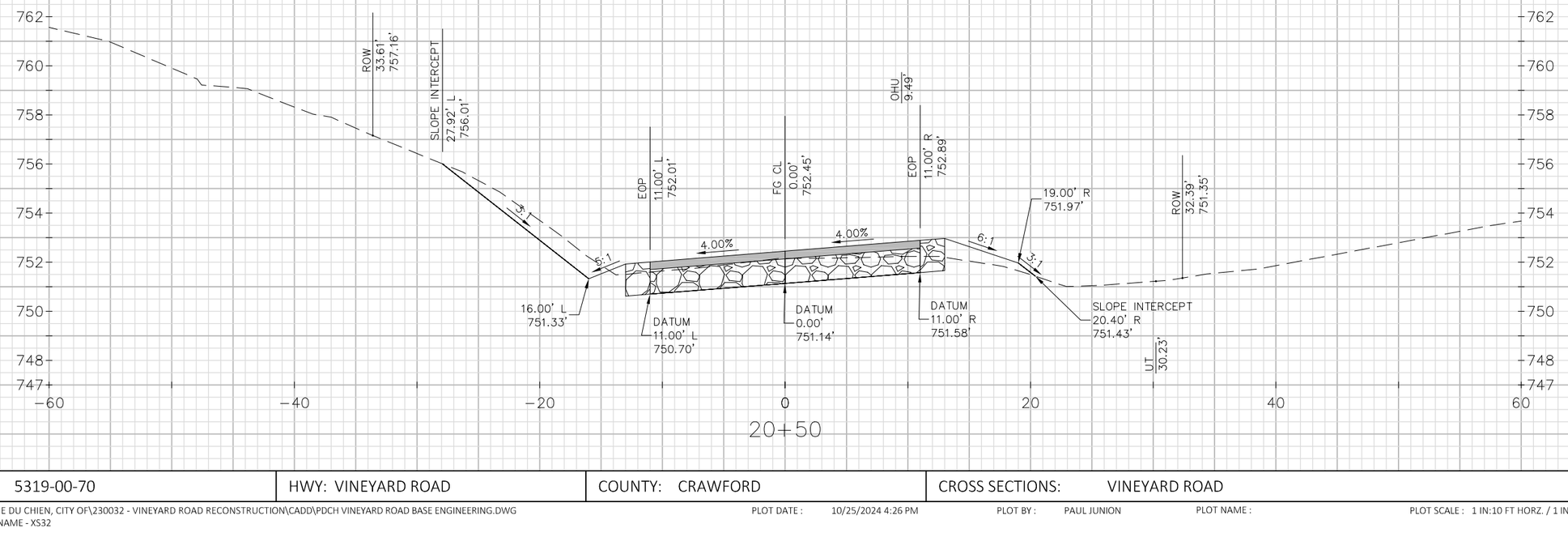
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 89	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS31

PLOT DATE : 10/25/2024 4:26 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



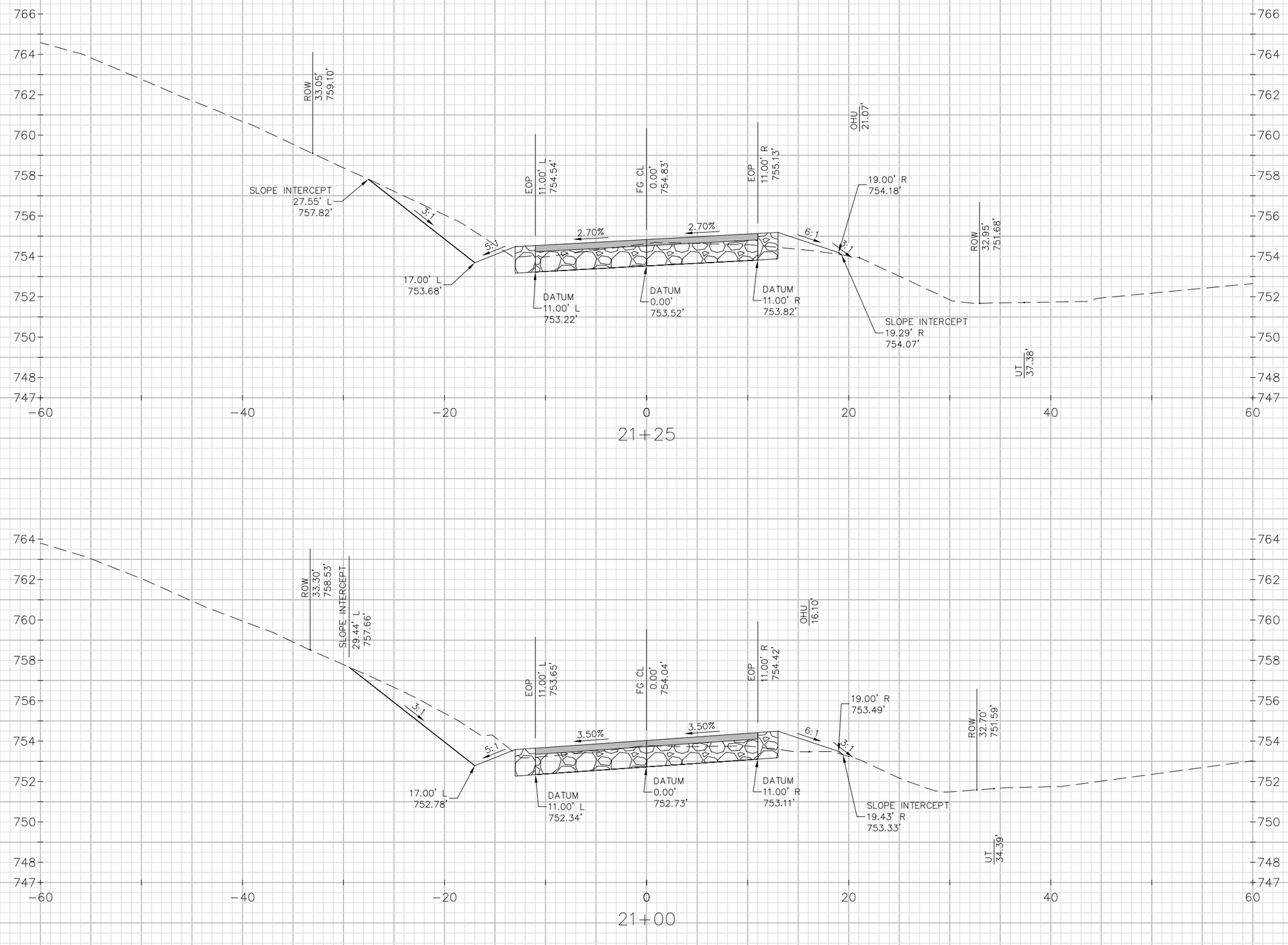


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 90 E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS32

PLOT DATE : 10/25/2024 4:26 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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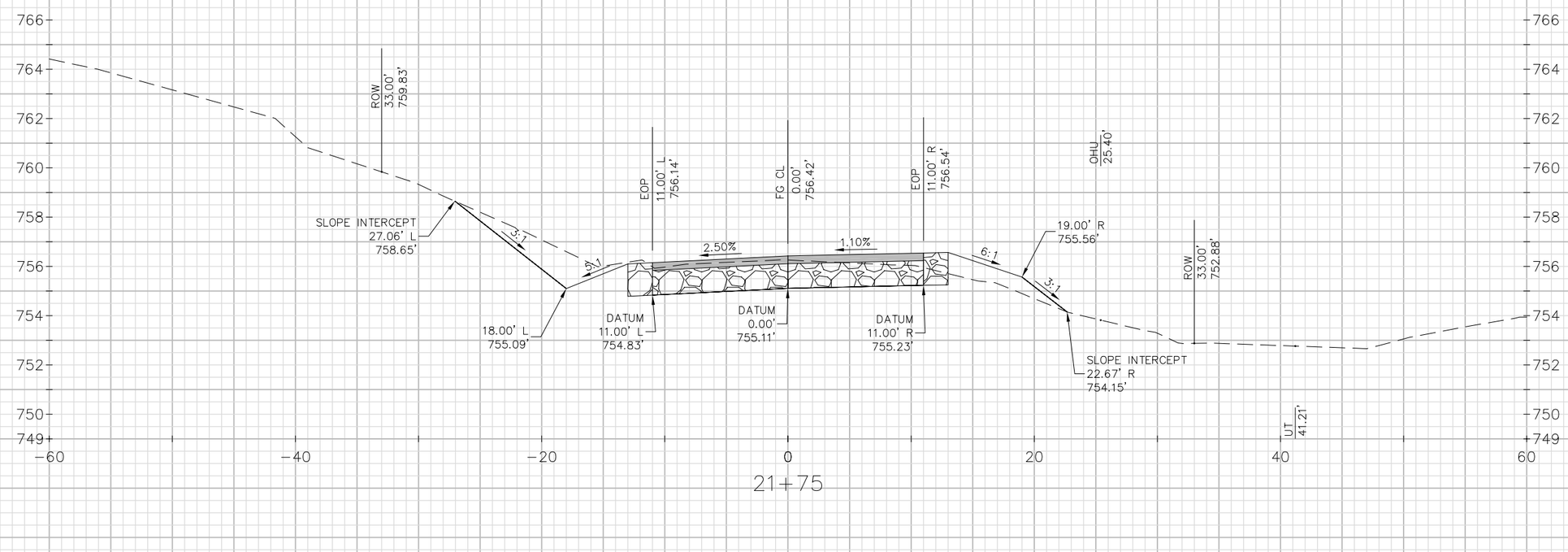
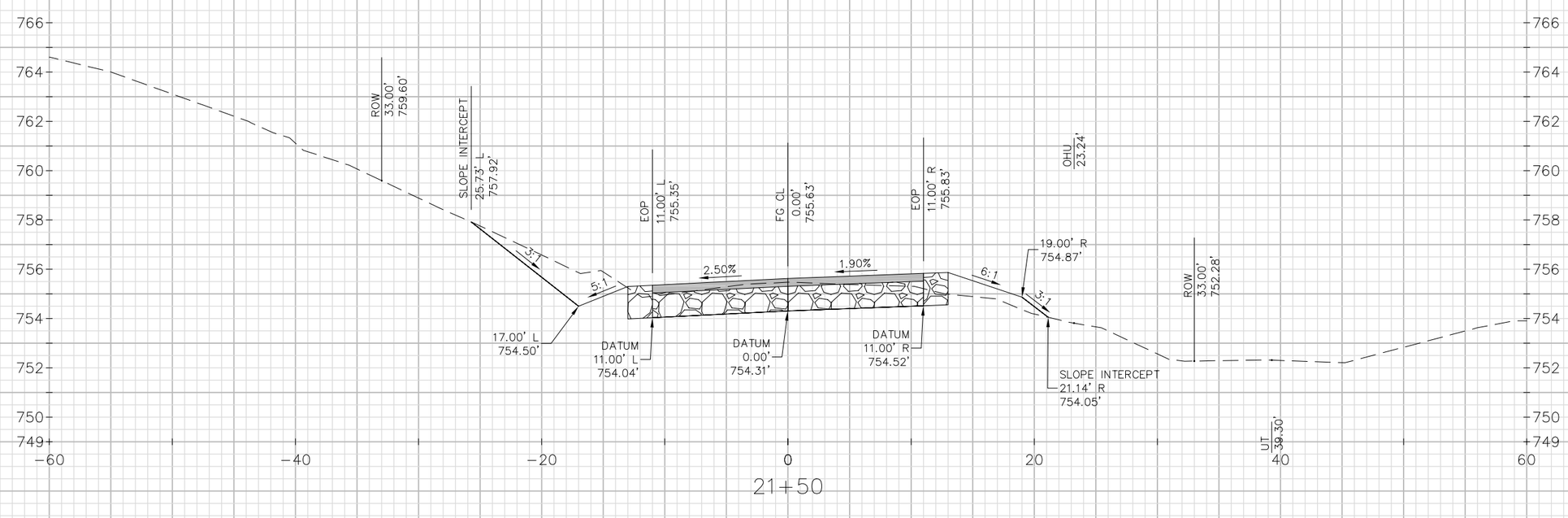
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 91	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS33

PLOT DATE : 10/25/2024 4:26 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





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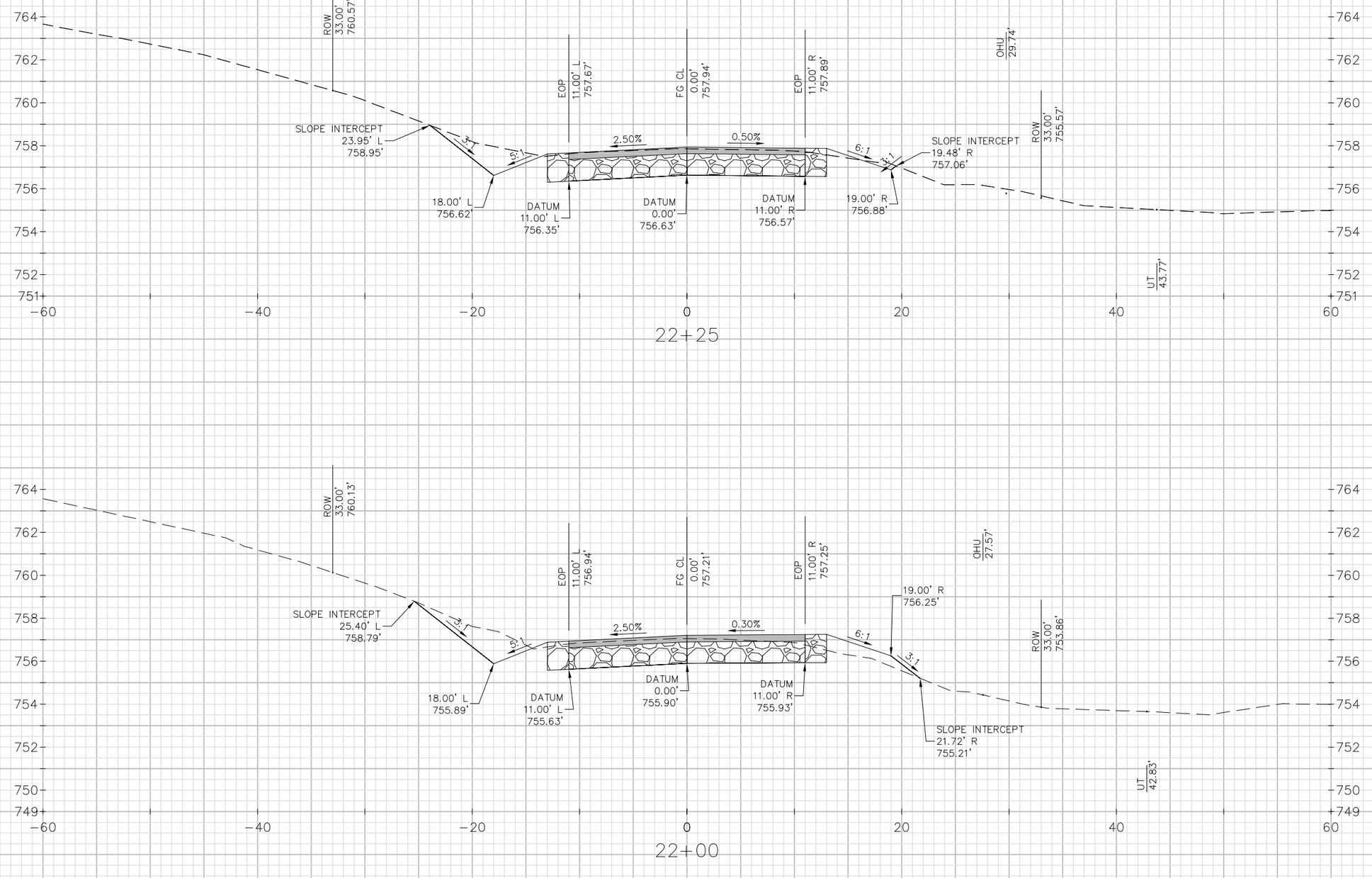
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 92	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS34

PLOT DATE : 10/25/2024 4:26 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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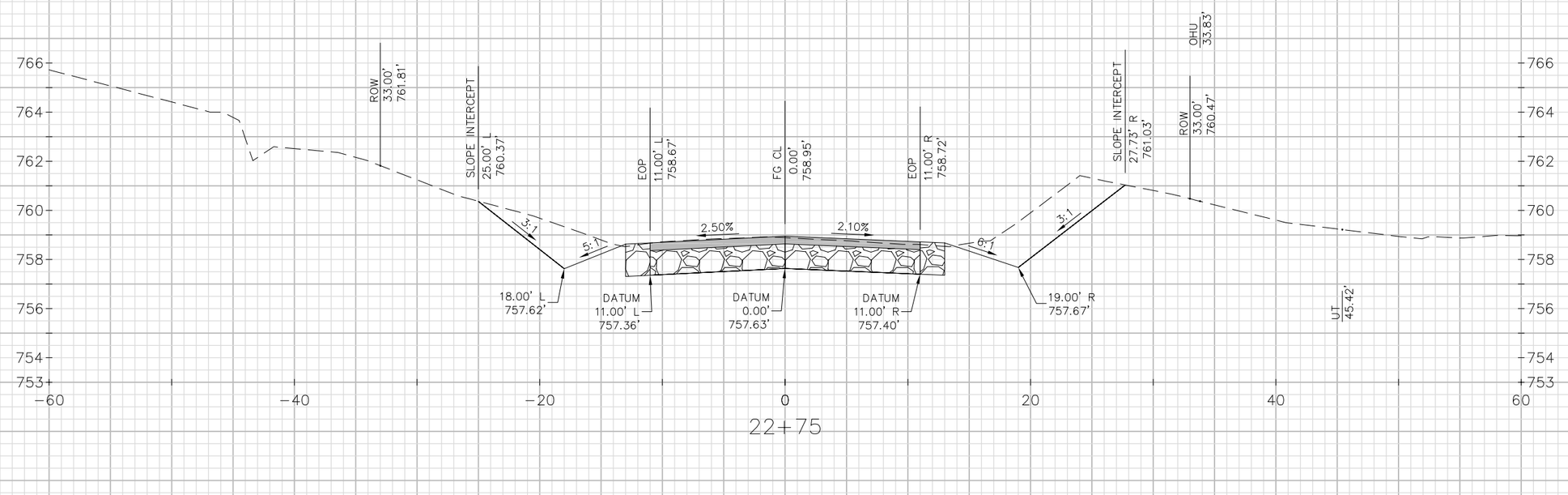
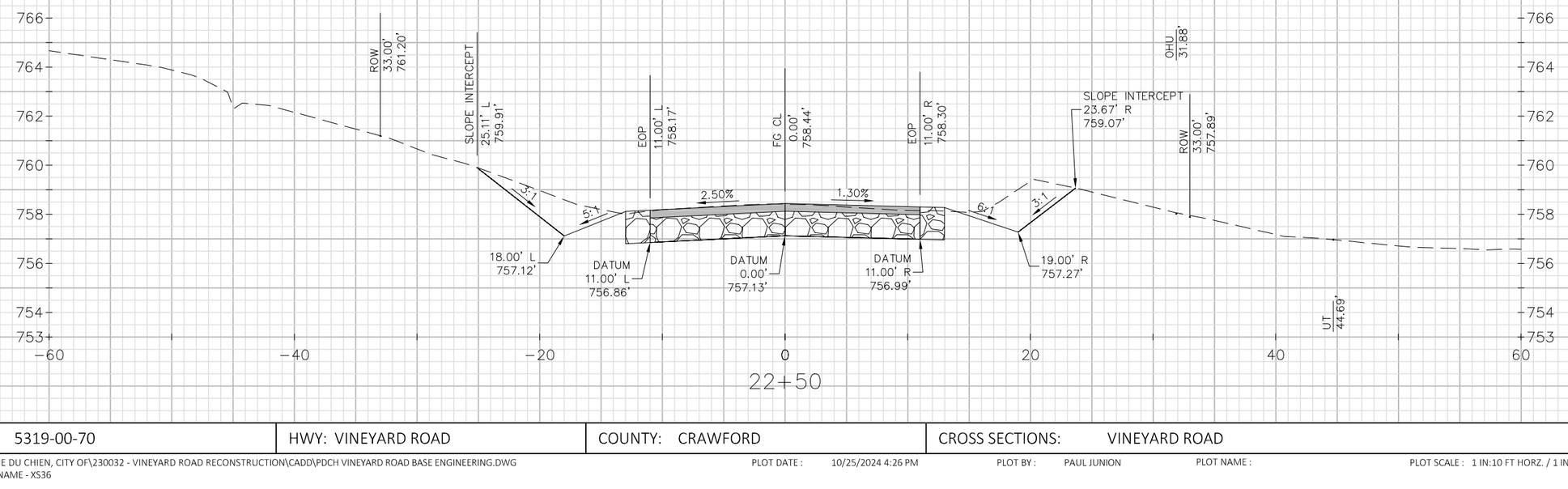
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 93	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS35

PLOT DATE : 10/25/2024 4:26 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





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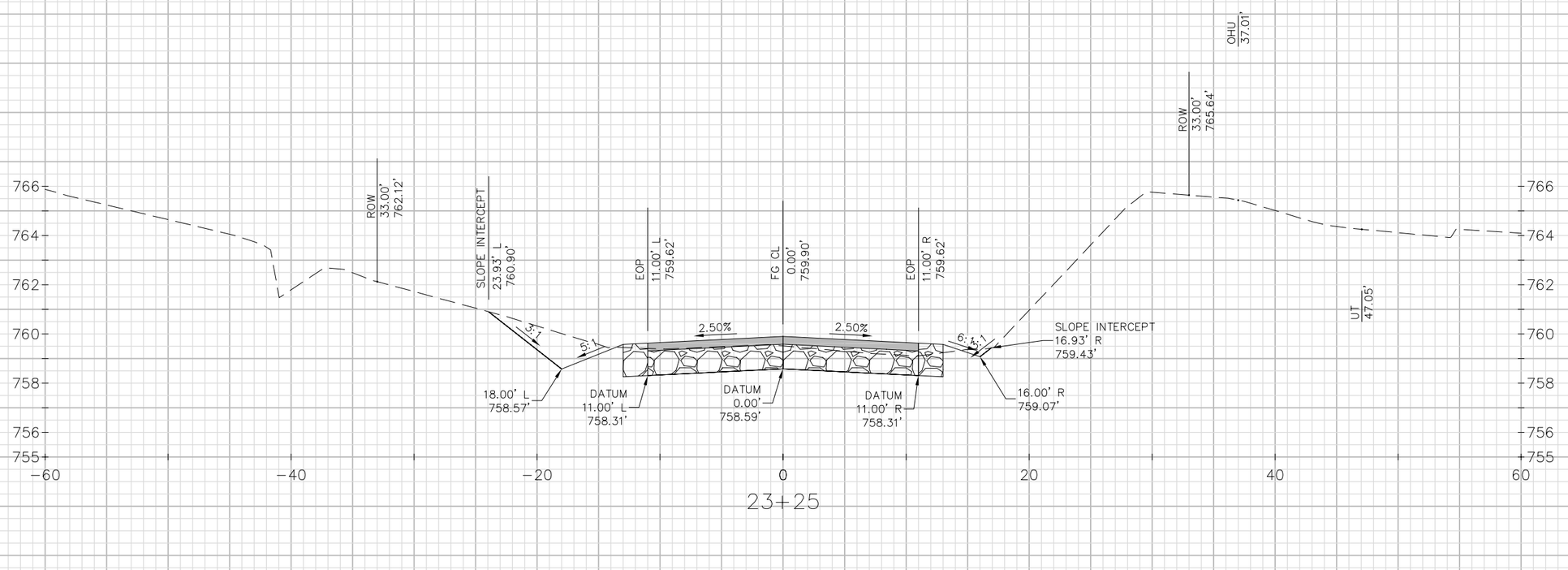
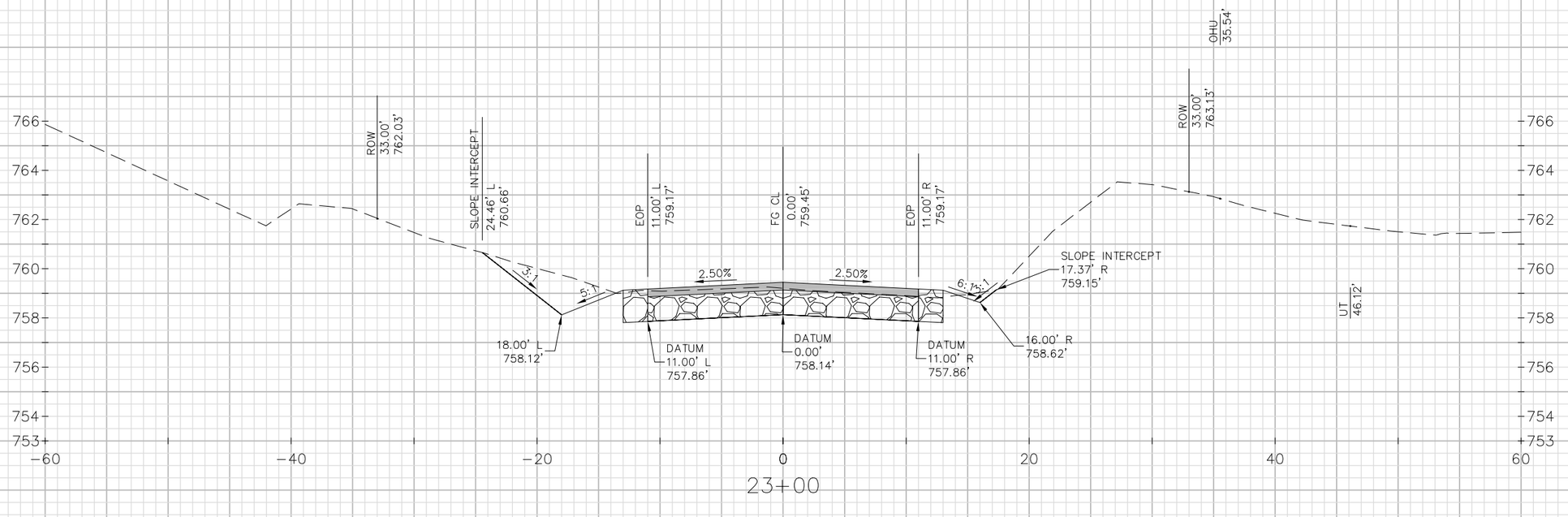
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 94	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS36

PLOT DATE : 10/25/2024 4:26 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





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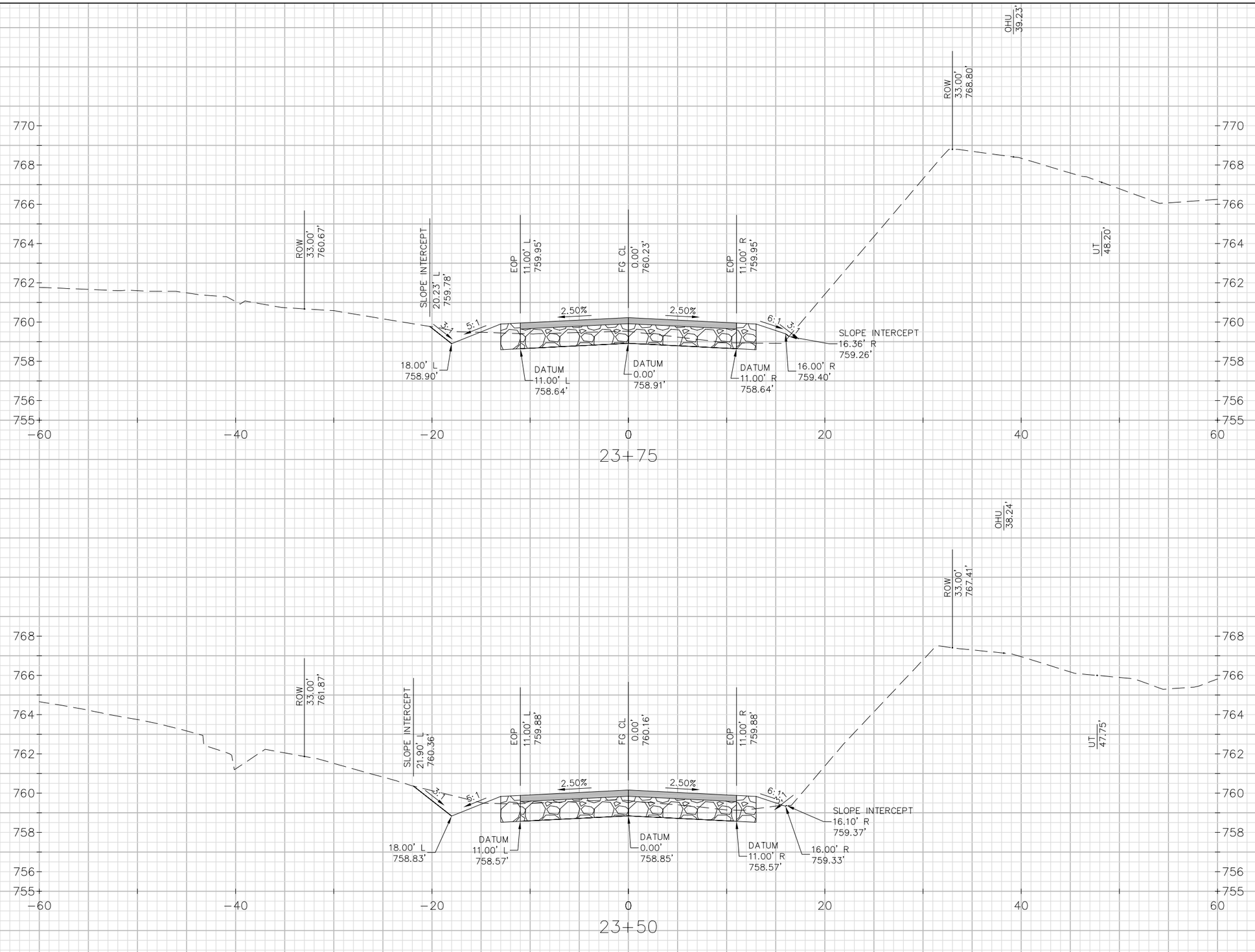
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 95	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS37

PLOT DATE : 10/25/2024 4:27 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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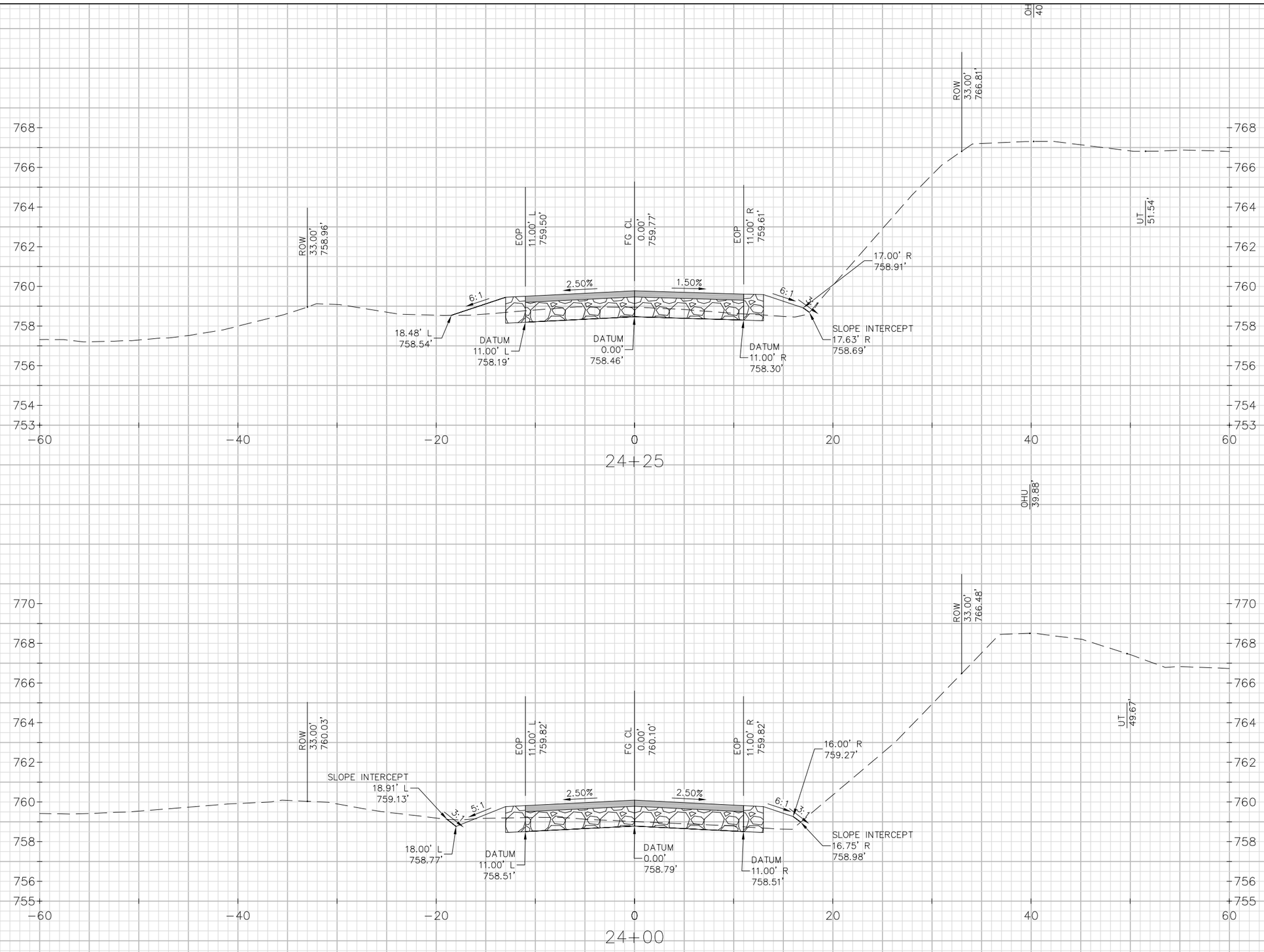
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 96	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS38

PLOT DATE : 10/25/2024 4:27 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.



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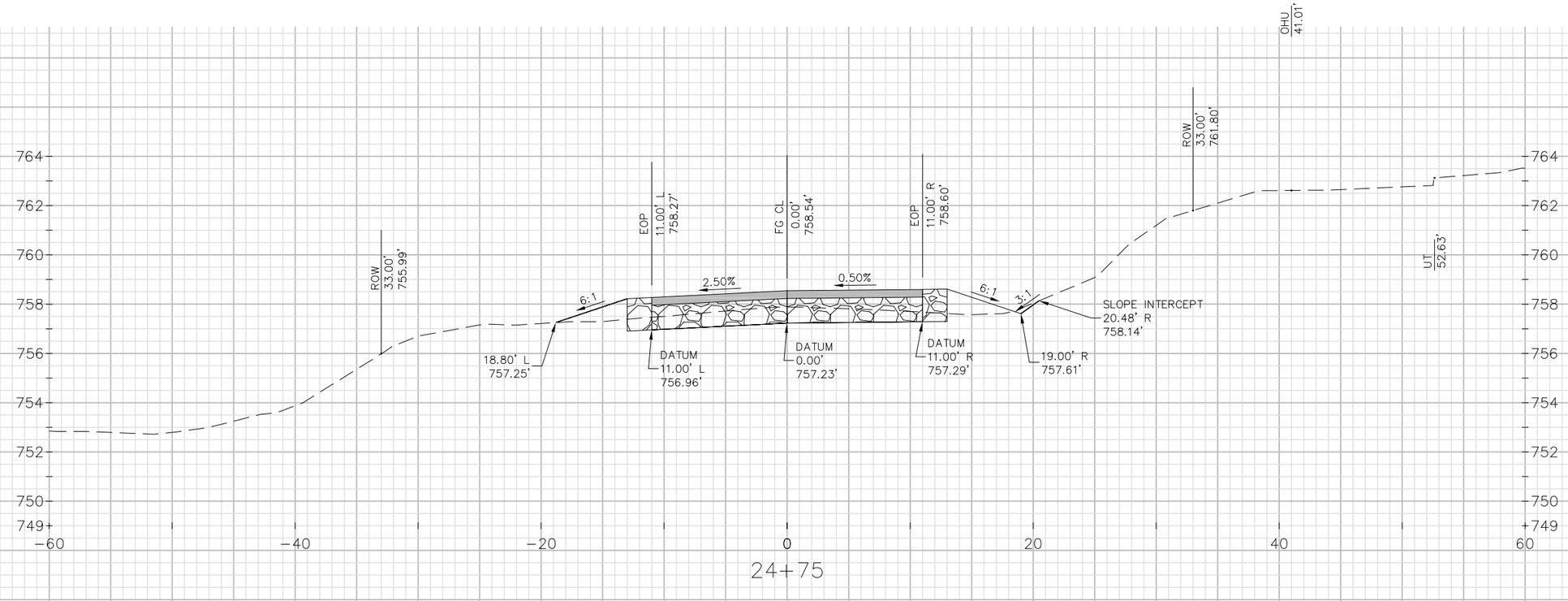
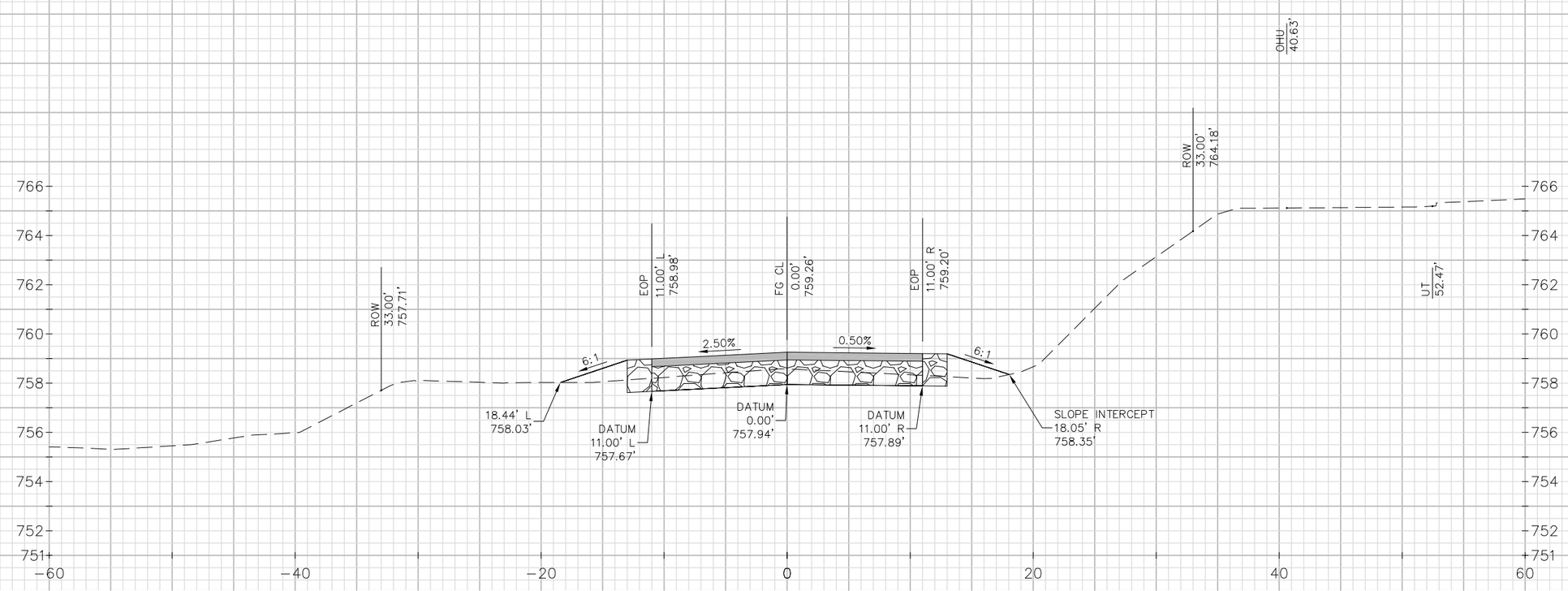
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 97	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS39

PLOT DATE : 10/25/2024 4:27 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49





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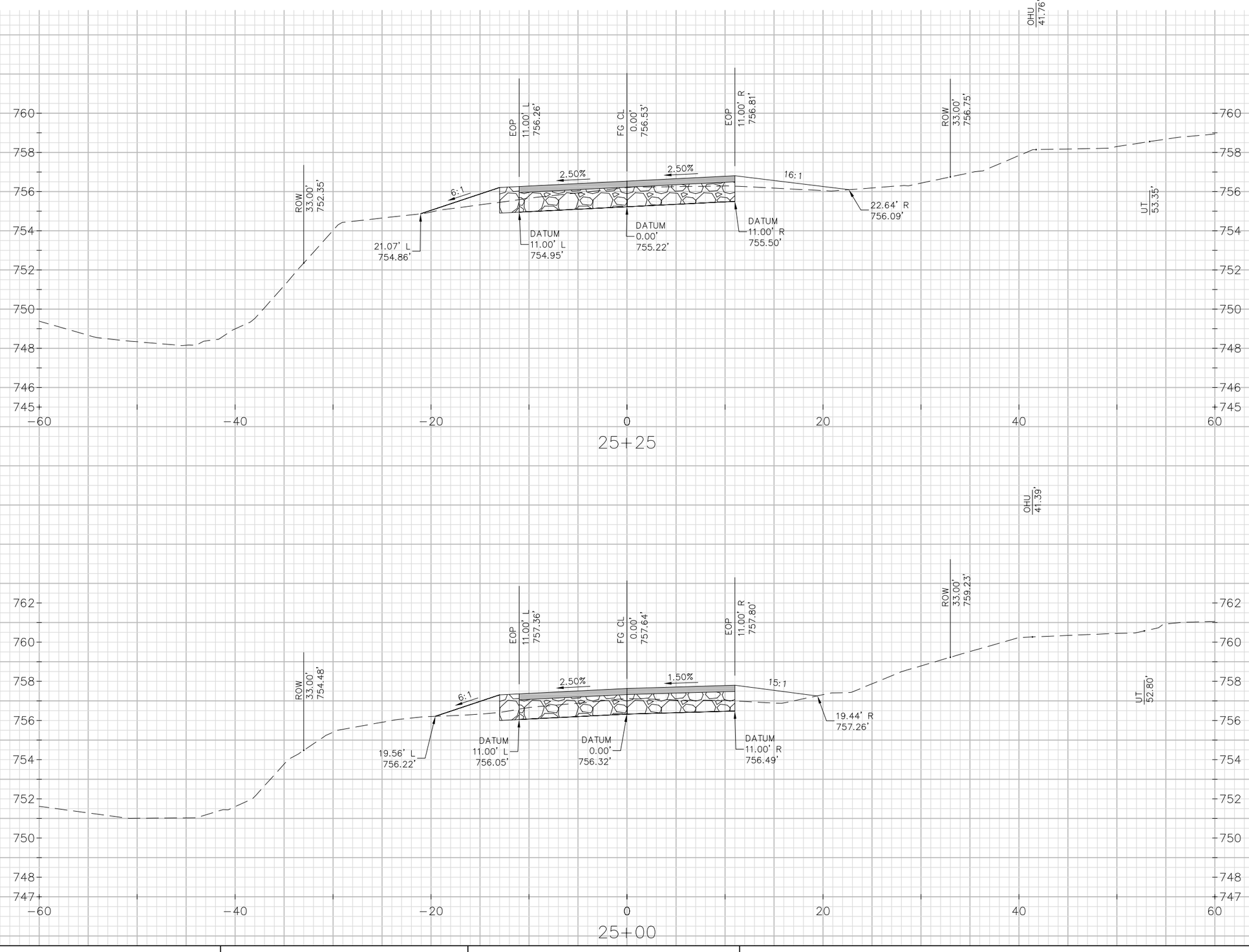
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 98	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS40

PLOT DATE : 10/25/2024 4:27 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.



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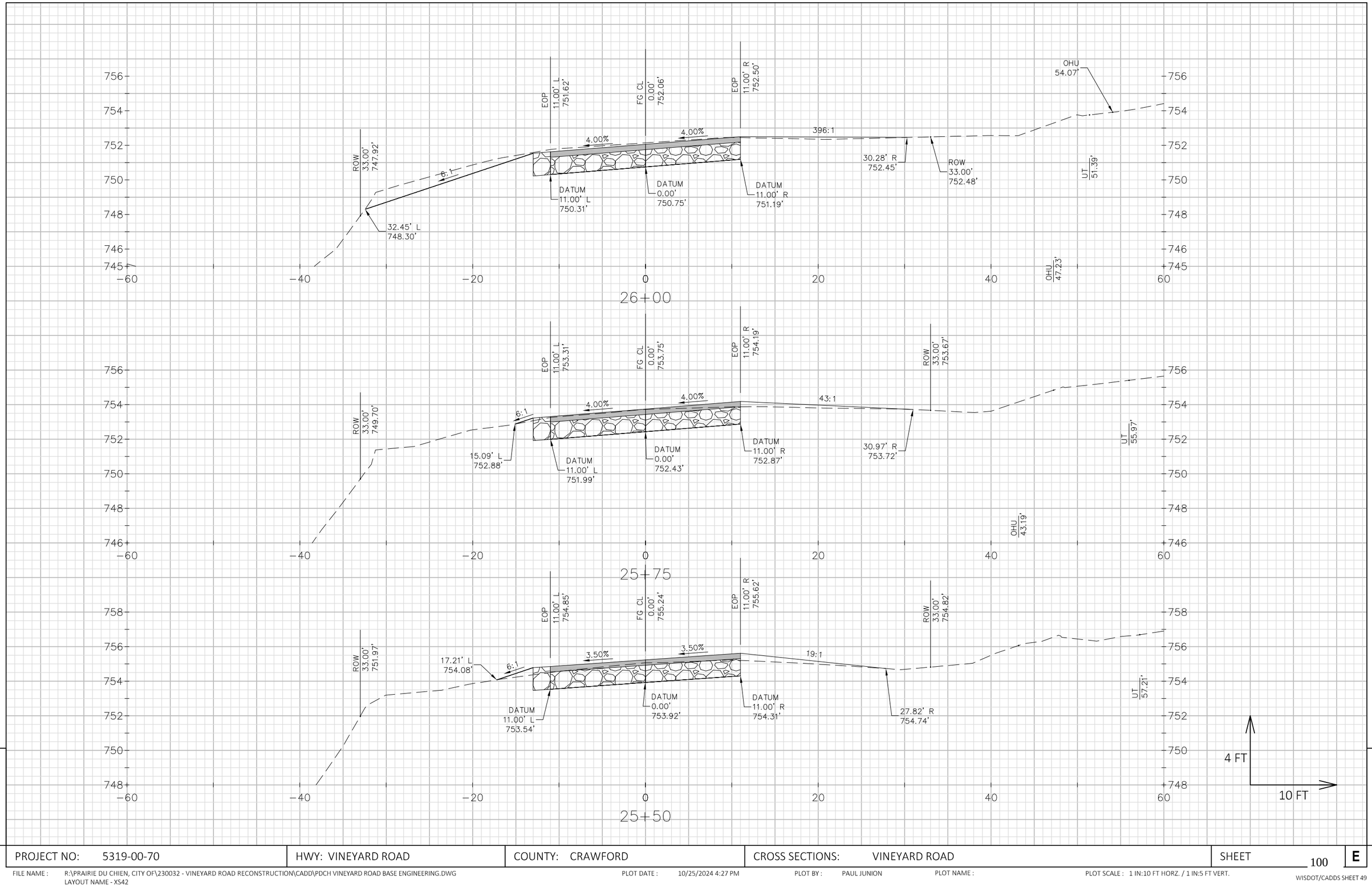
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 99	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS41

PLOT DATE : 10/25/2024 4:27 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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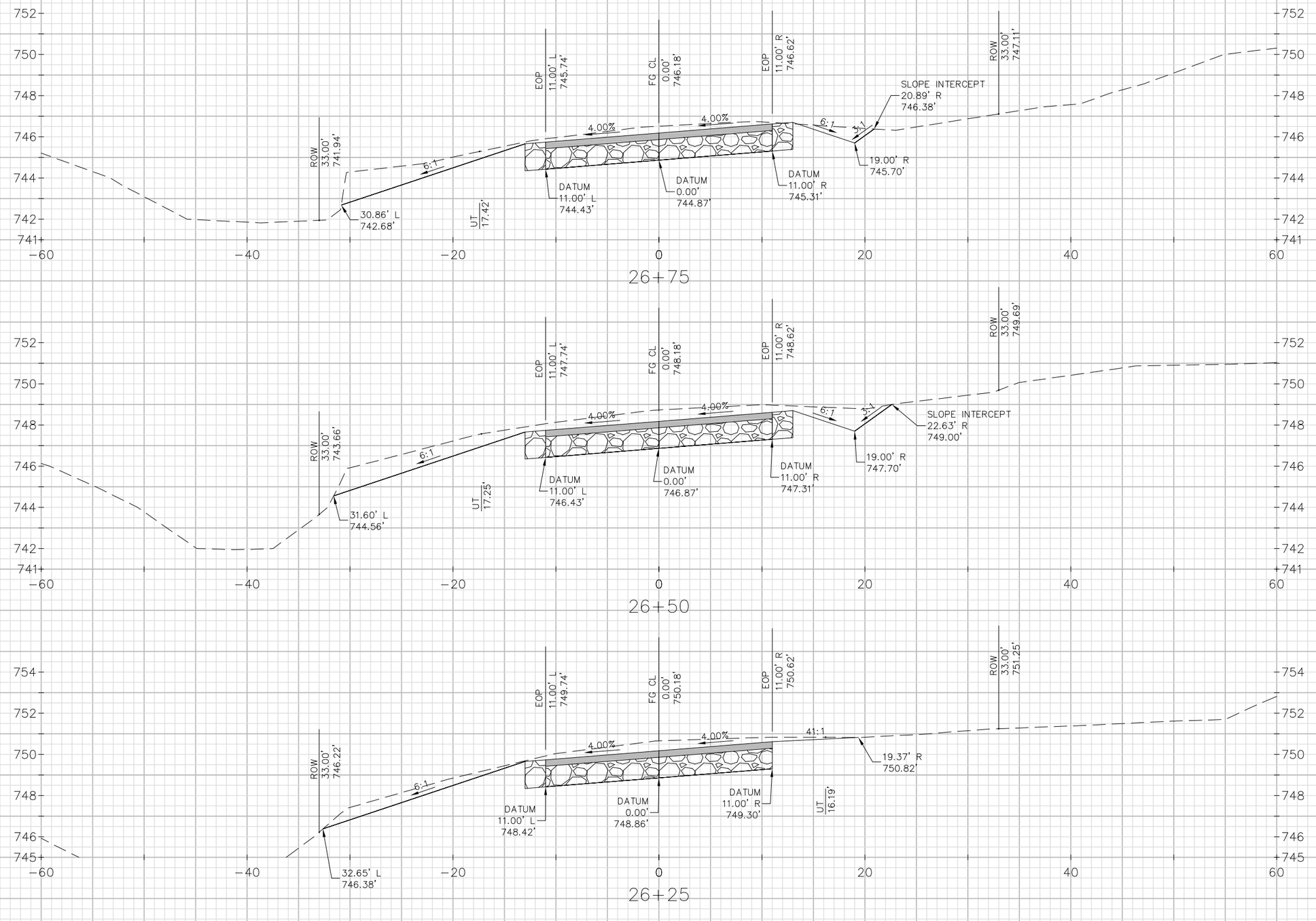
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 100	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS42

PLOT DATE : 10/25/2024 4:27 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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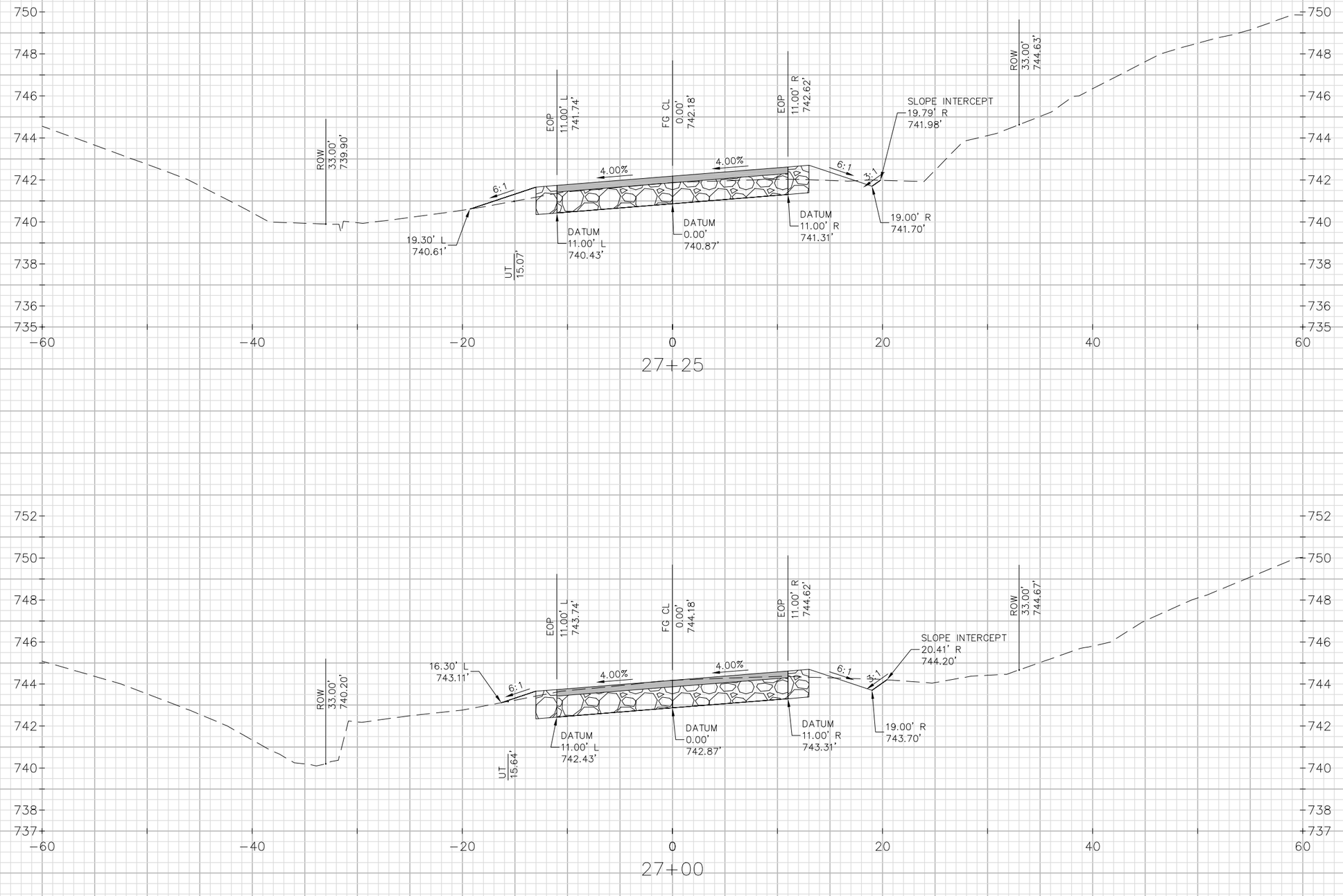
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 101	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS43

PLOT DATE : 10/25/2024 4:27 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

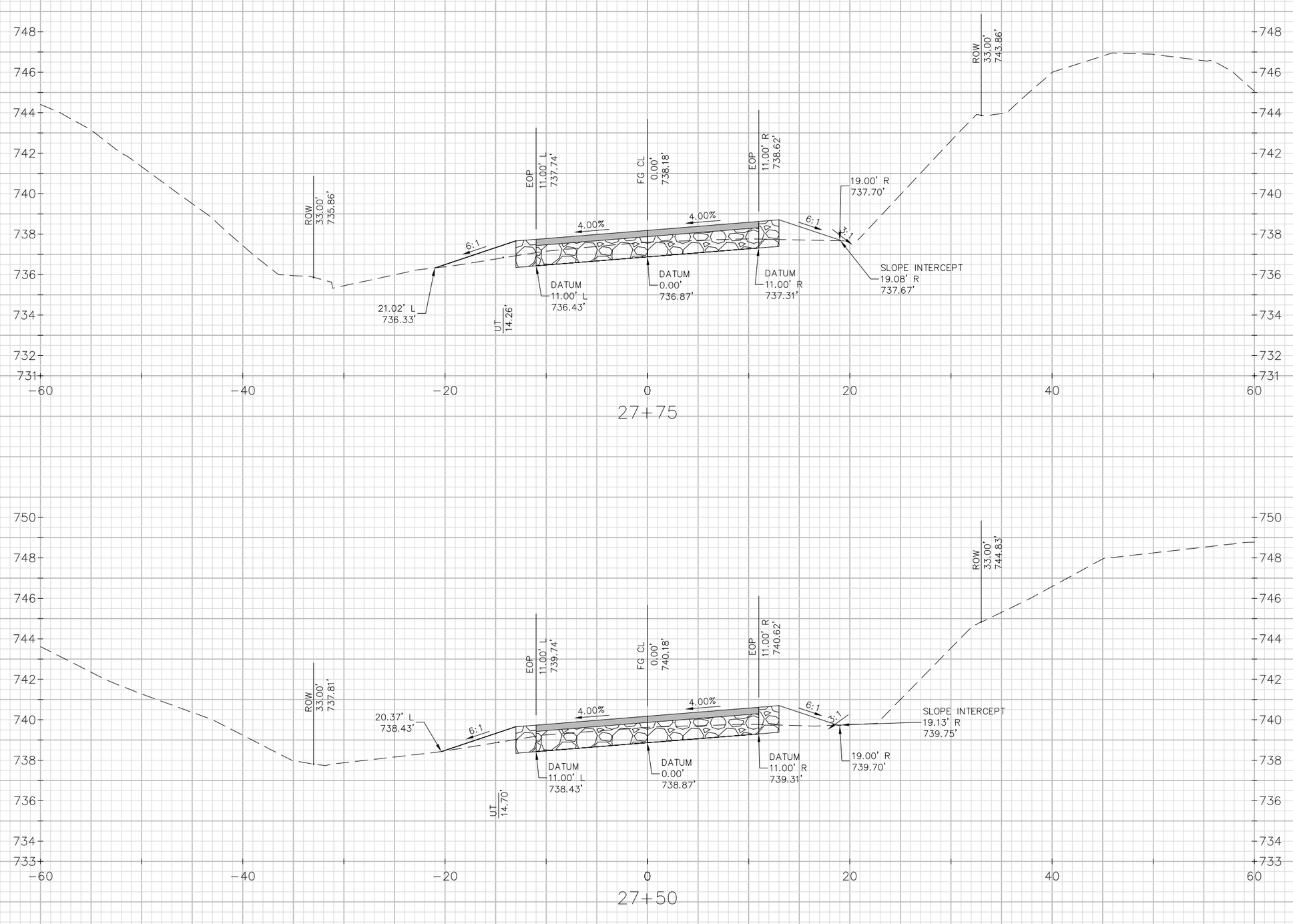


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 102	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS44

PLOT DATE : 10/25/2024 4:27 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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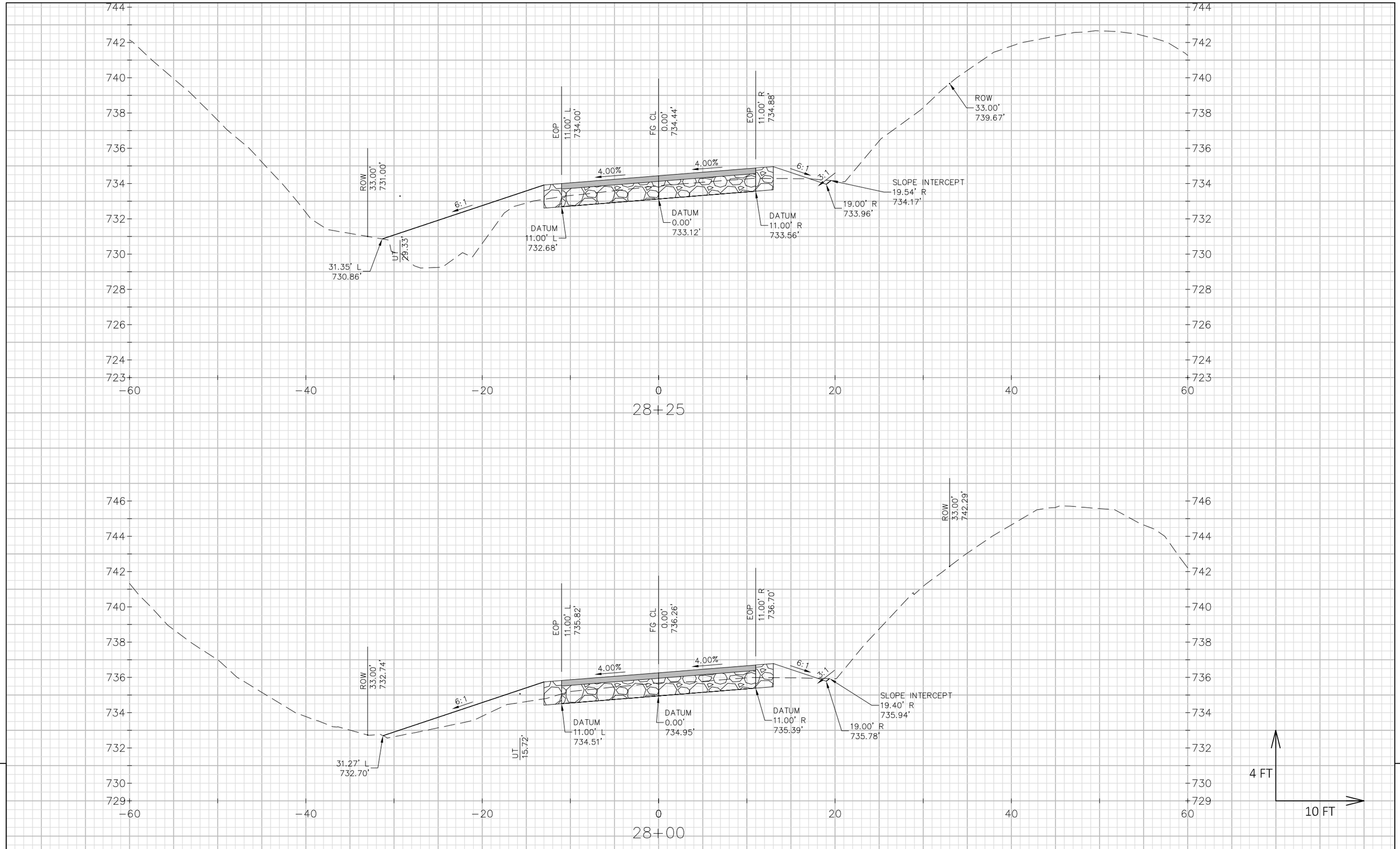
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 103	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS45

PLOT DATE : 10/25/2024 4:28 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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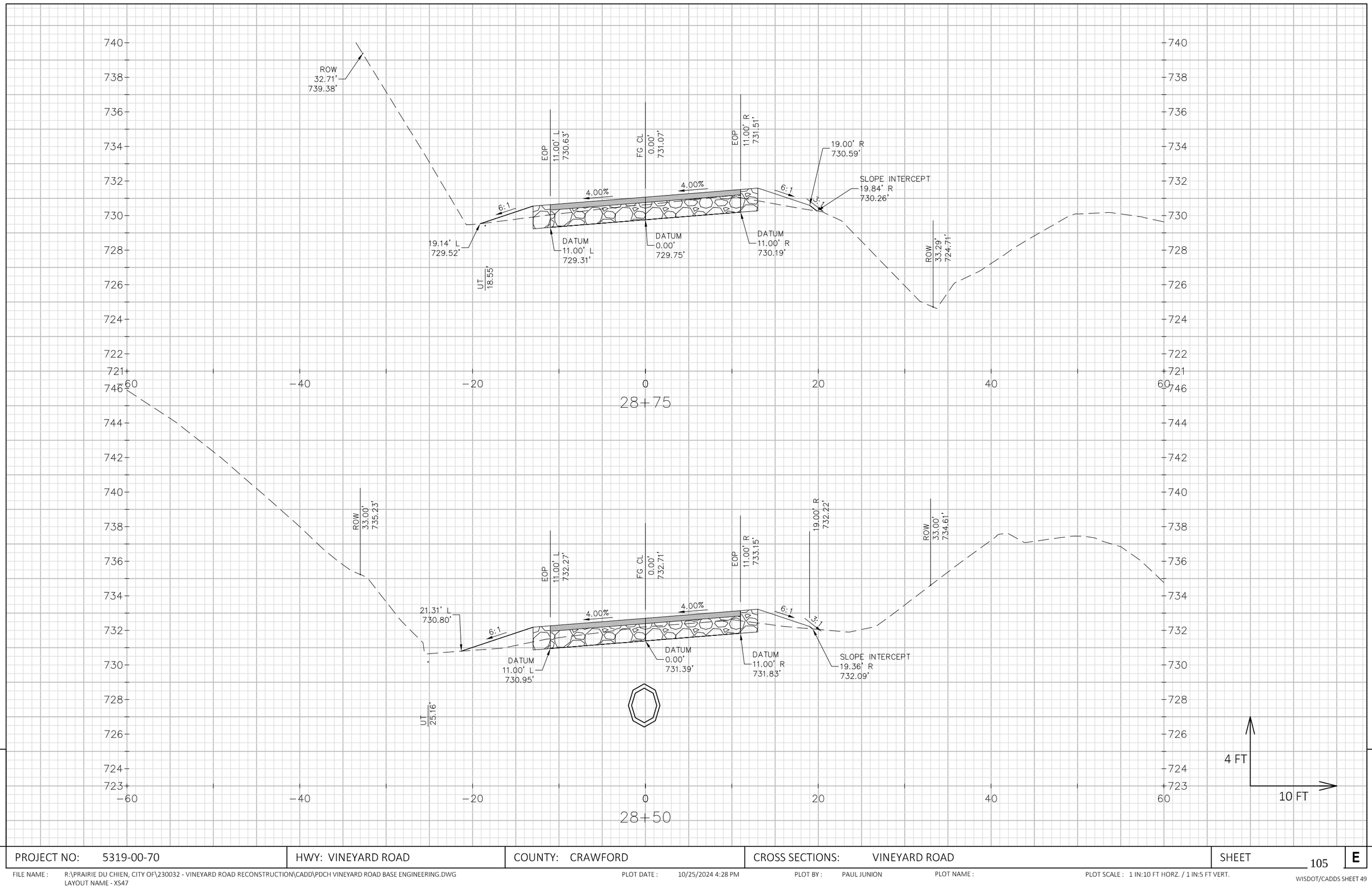
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 104	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS46

PLOT DATE : 10/25/2024 4:28 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.



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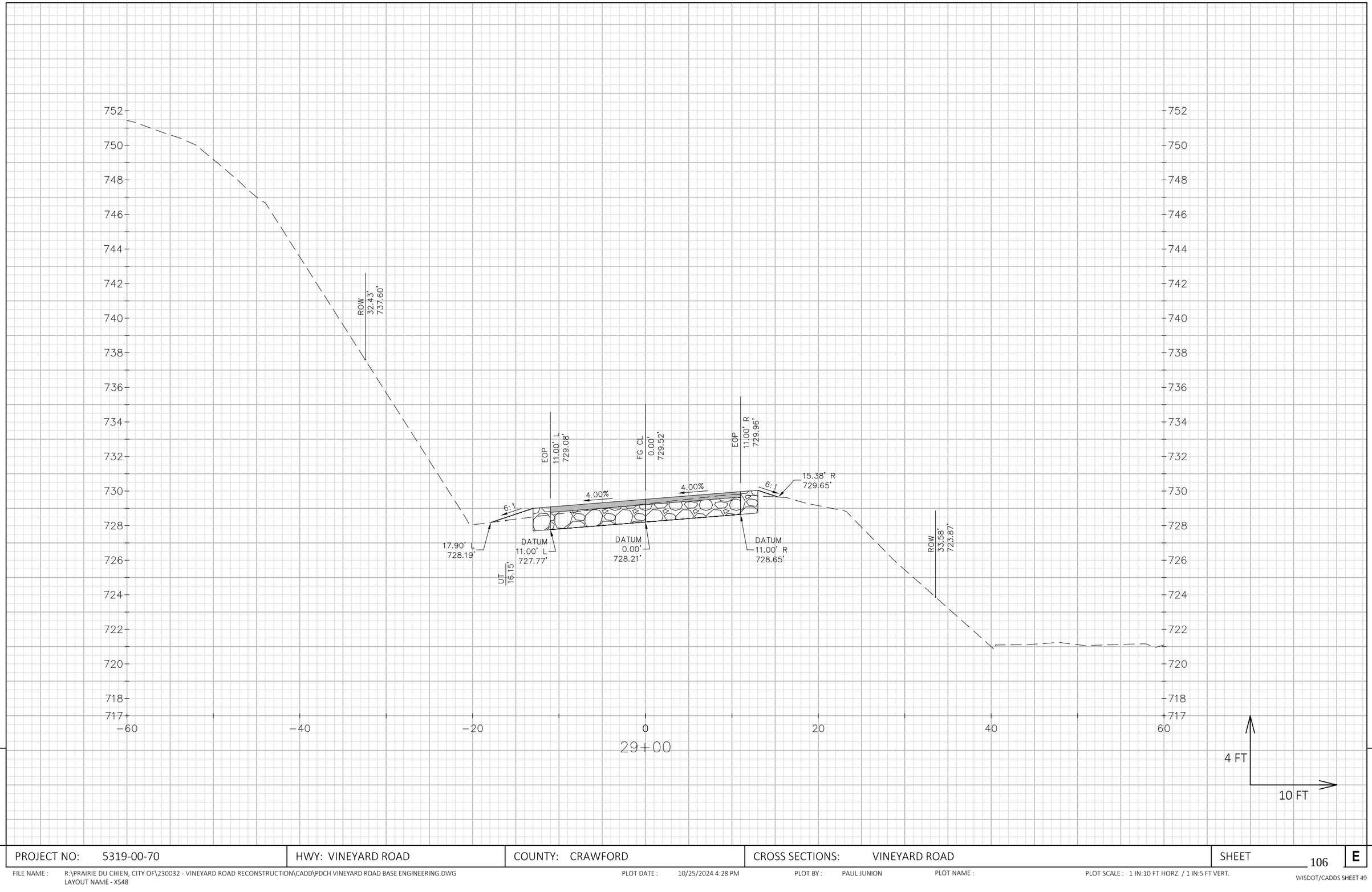
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 105	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS47

PLOT DATE : 10/25/2024 4:28 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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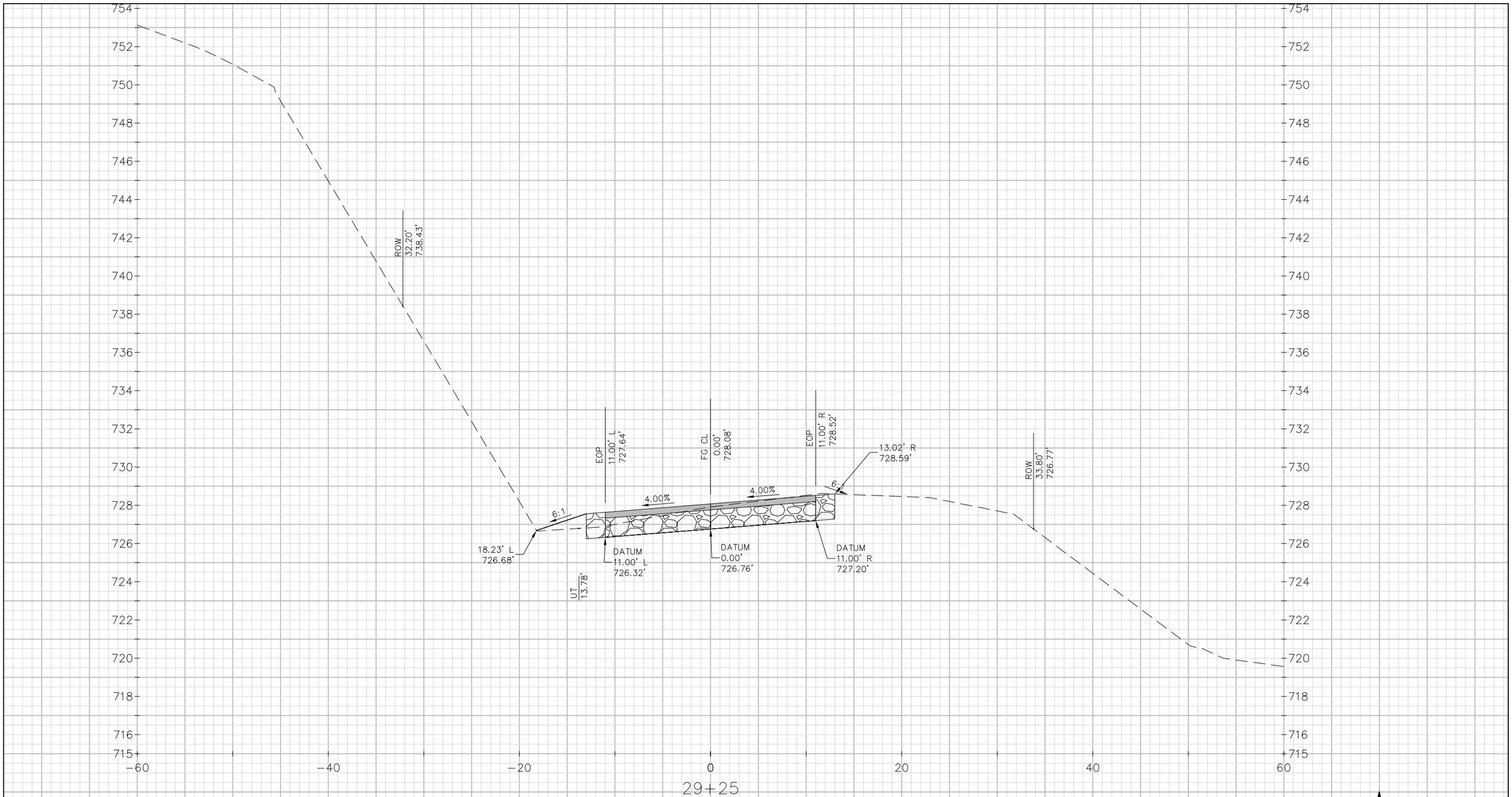
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 106	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS48

PLOT DATE : 10/25/2024 4:28 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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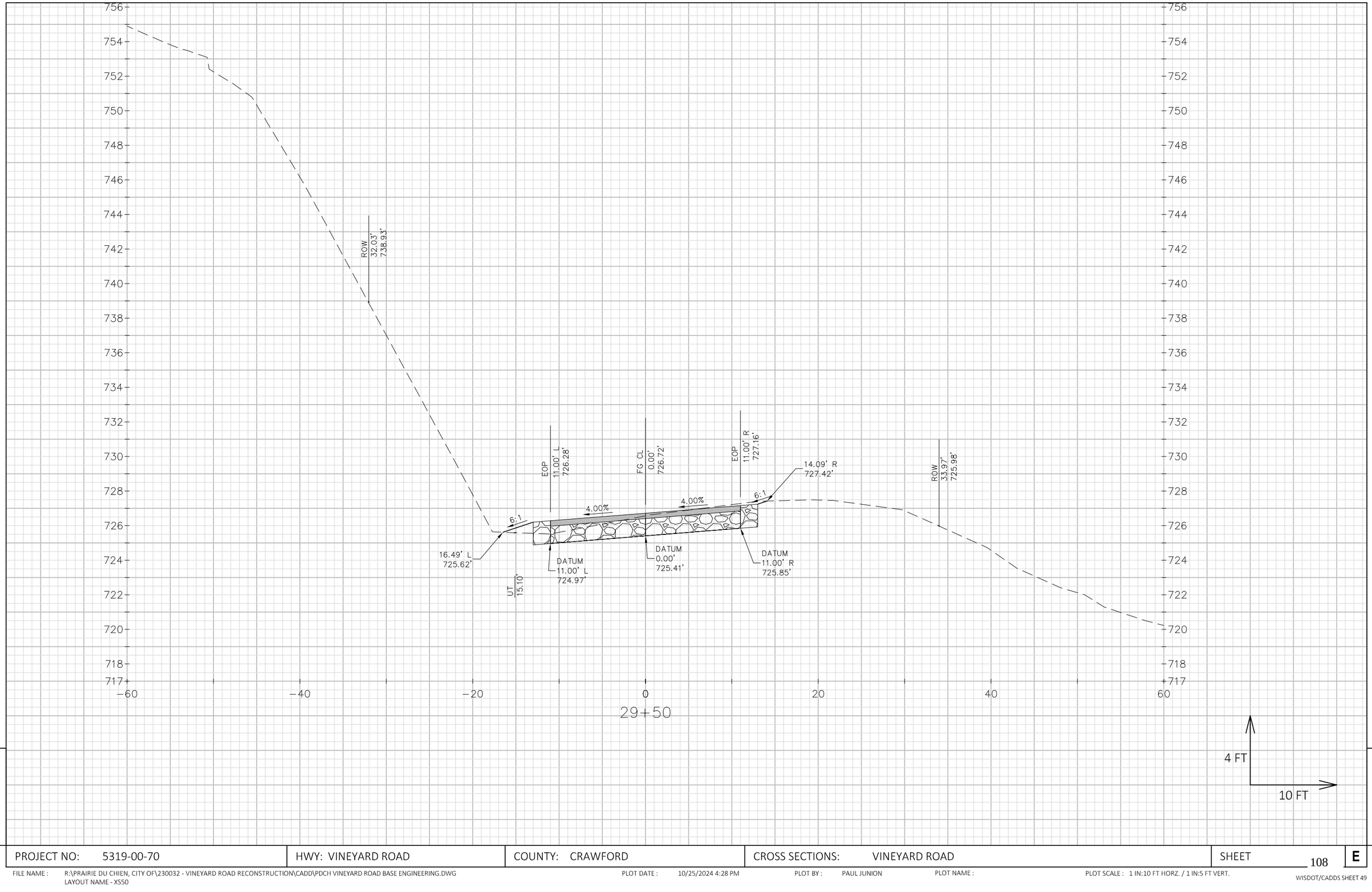
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 107	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS49

PLOT DATE : 10/25/2024 4:28 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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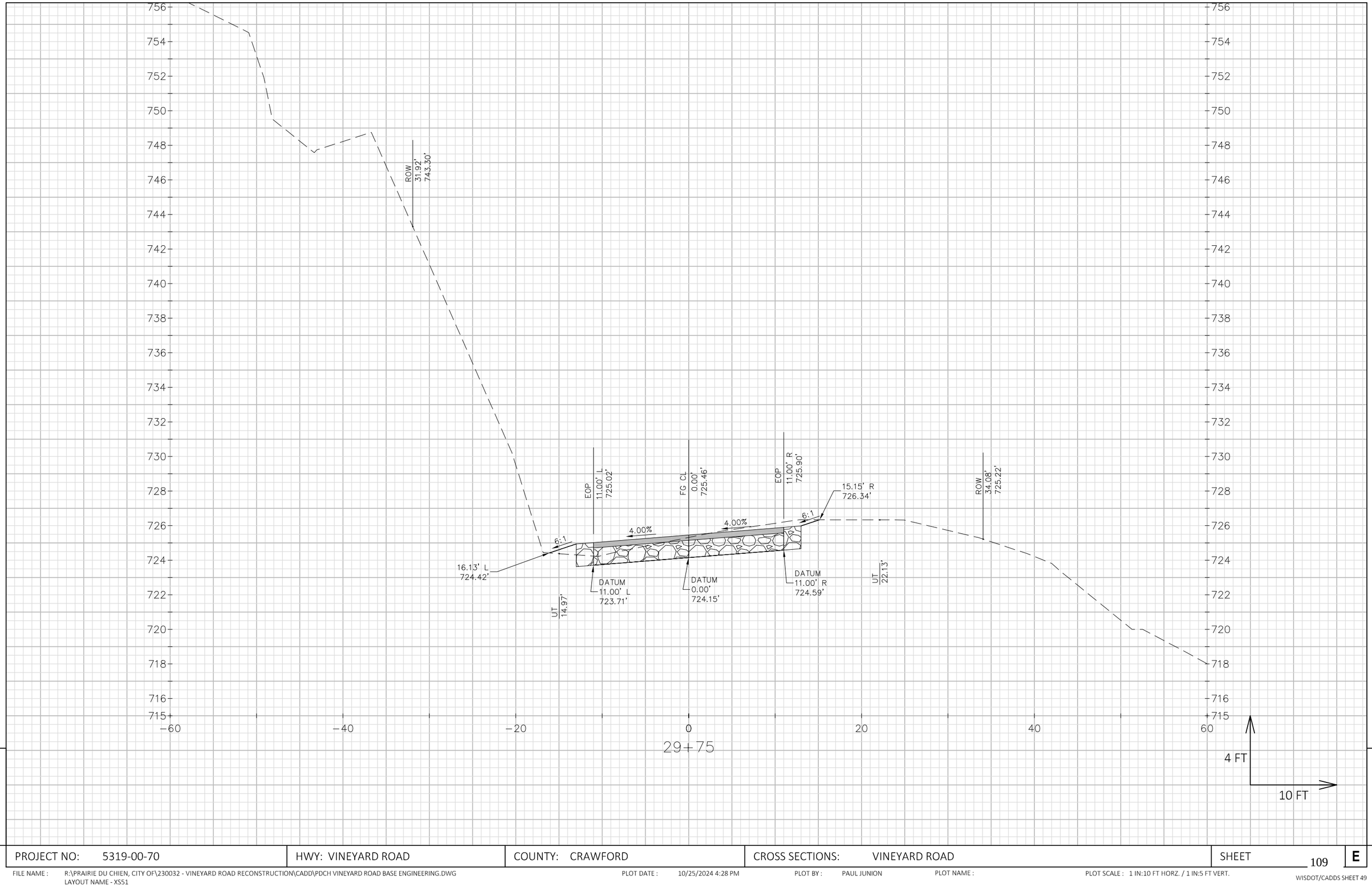
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 108	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS50

PLOT DATE : 10/25/2024 4:28 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

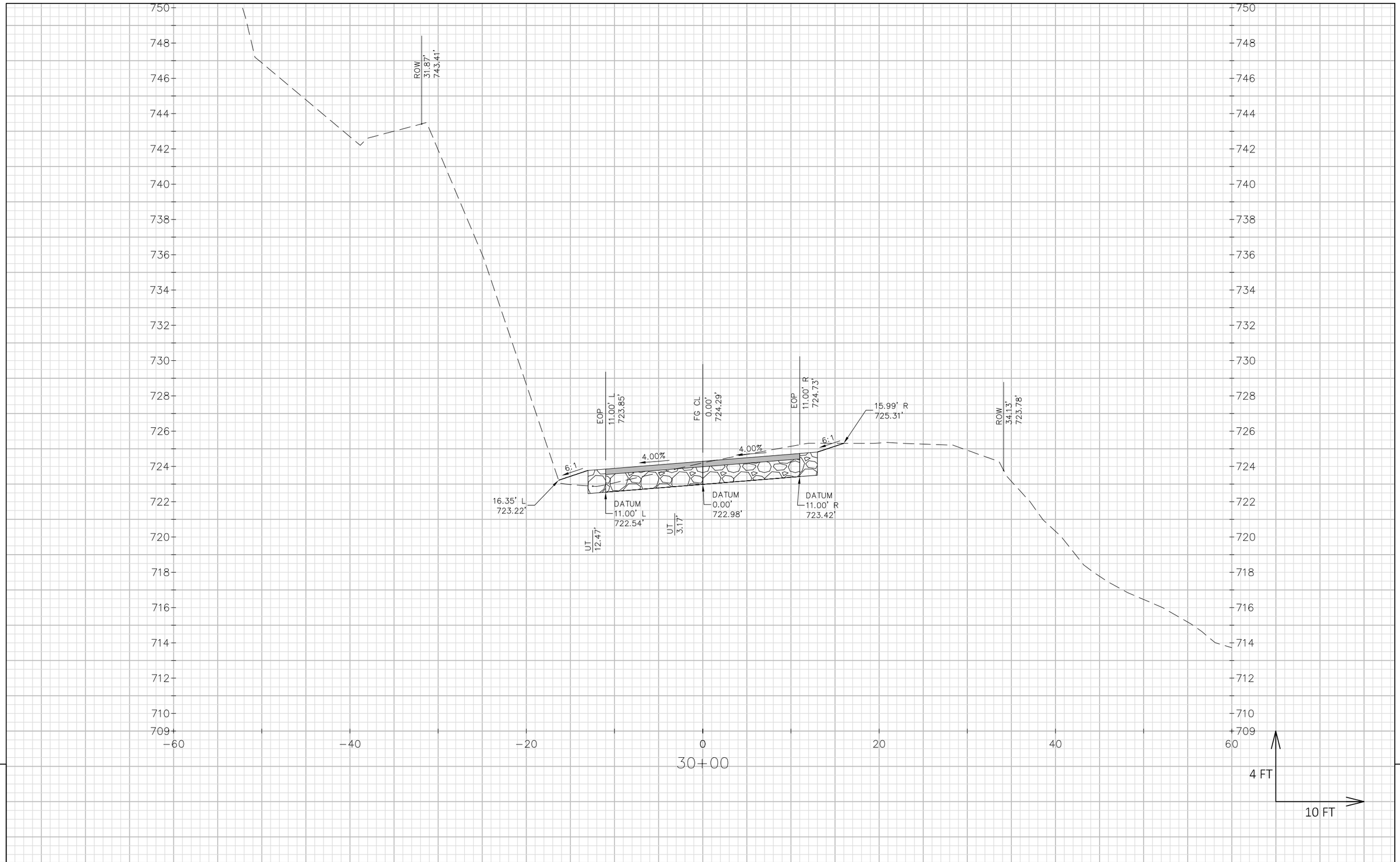


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 109	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS51

PLOT DATE : 10/25/2024 4:28 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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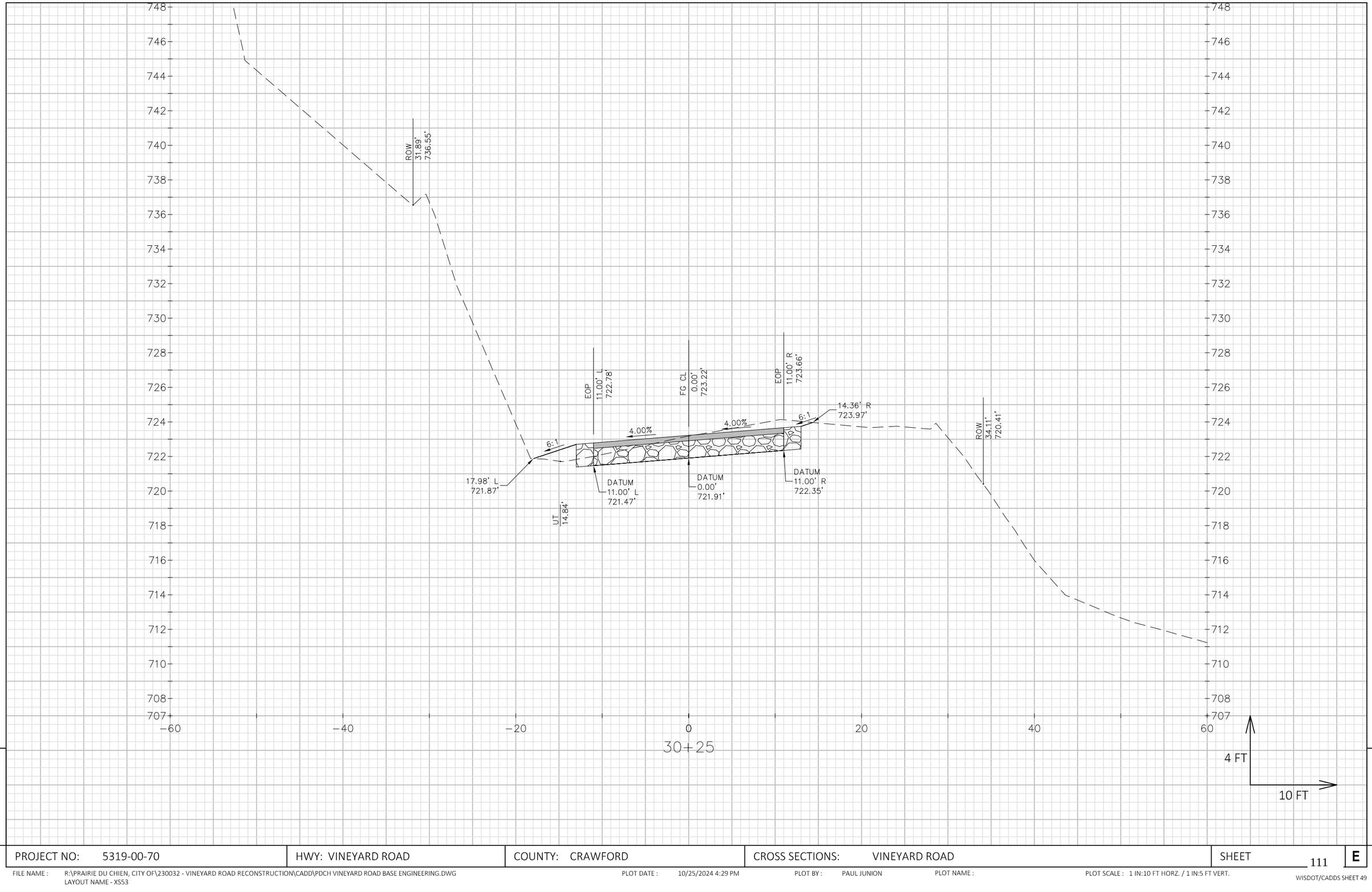
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 110	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS52

PLOT DATE : 10/25/2024 4:29 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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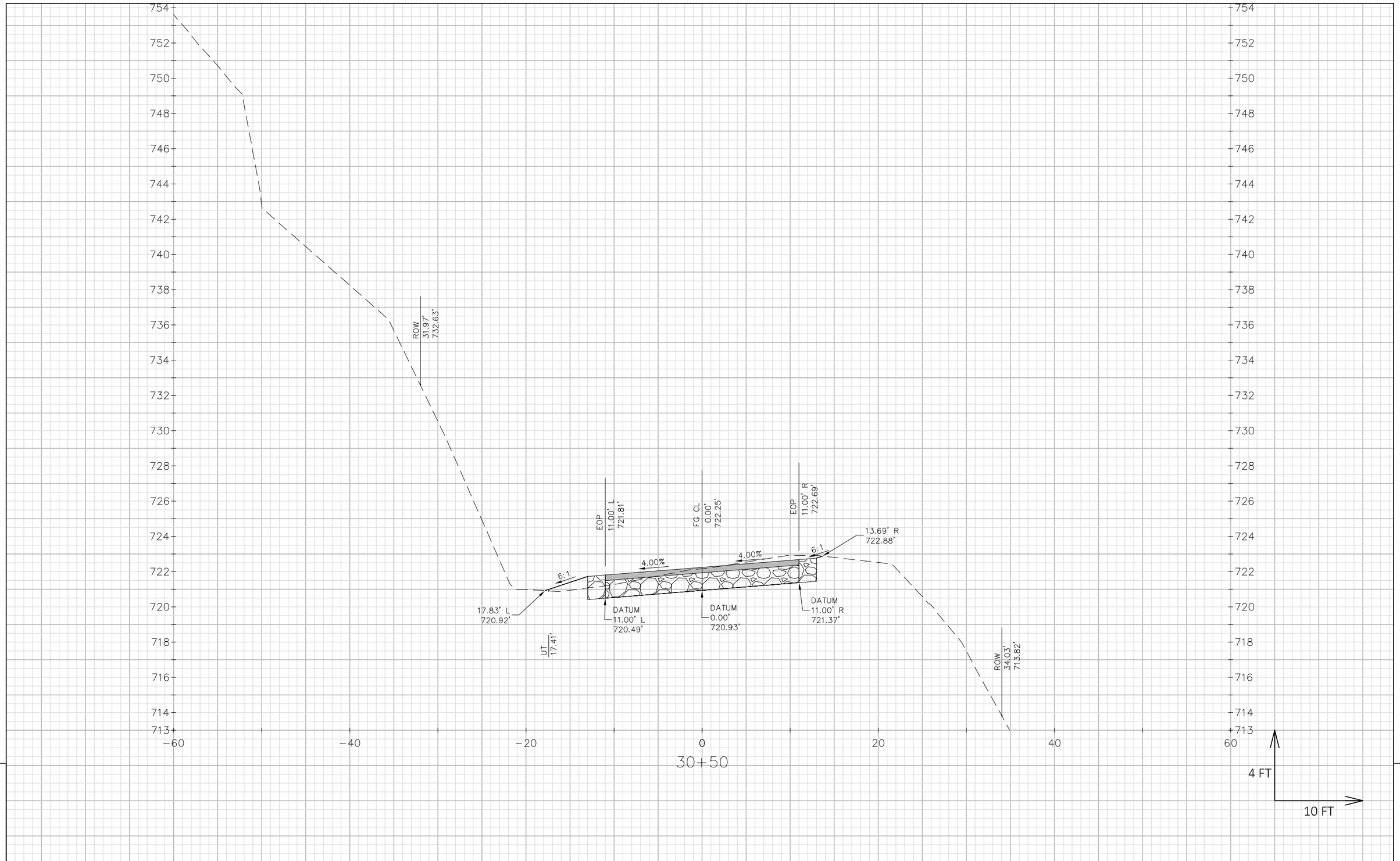
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 111	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS53

PLOT DATE : 10/25/2024 4:29 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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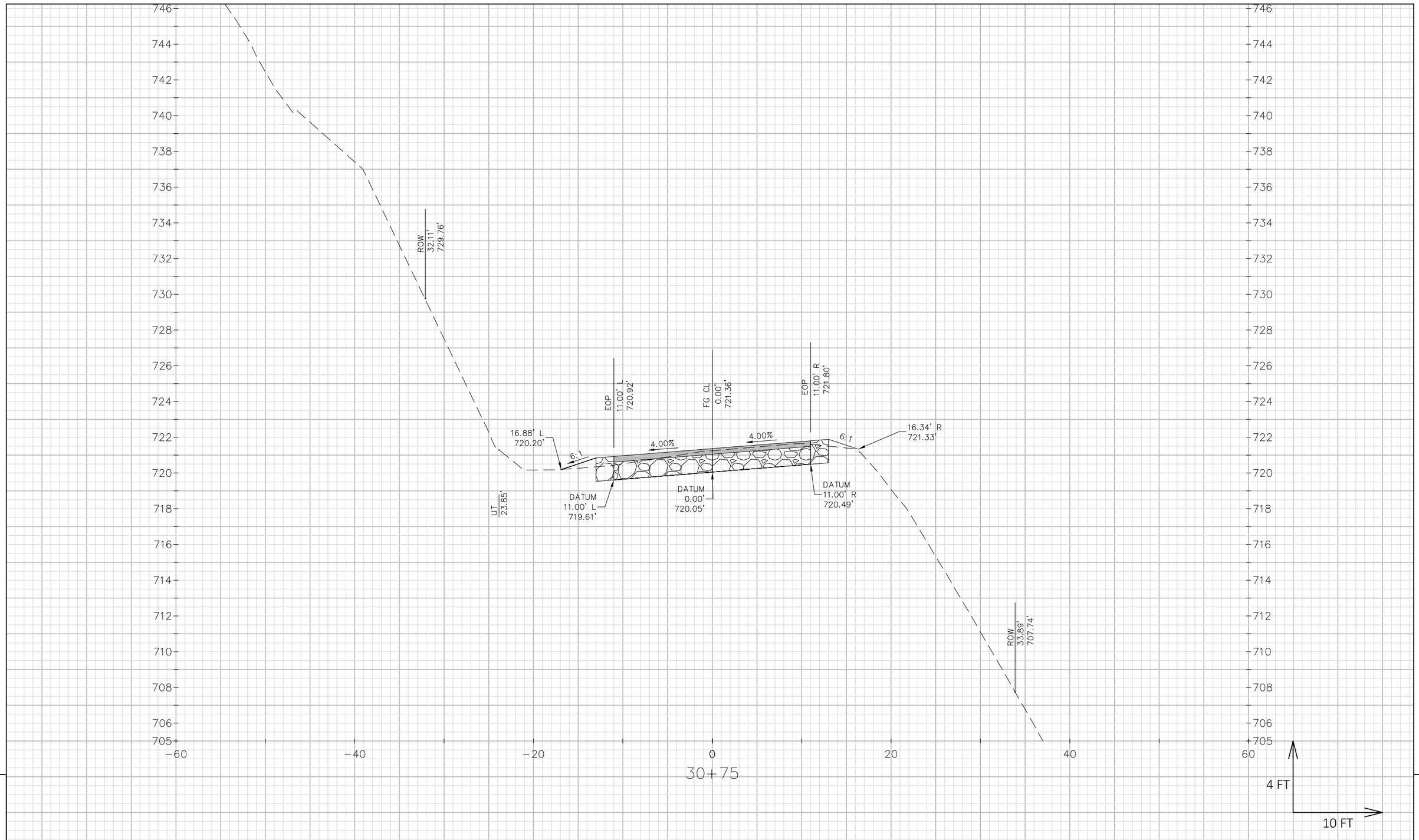
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 112	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS54

PLOT DATE : 10/25/2024 4:29 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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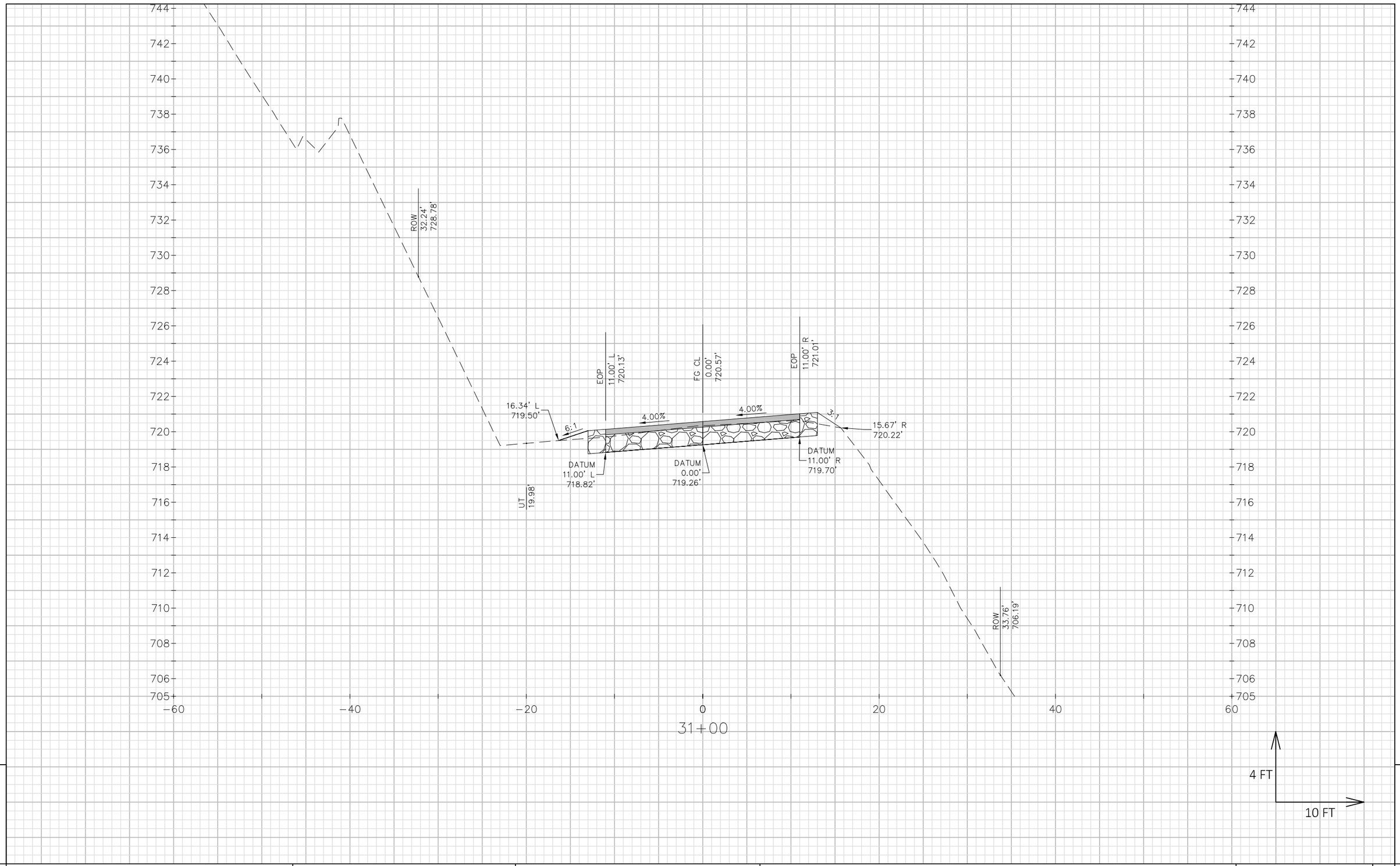
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 113	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS55

PLOT DATE : 10/25/2024 4:29 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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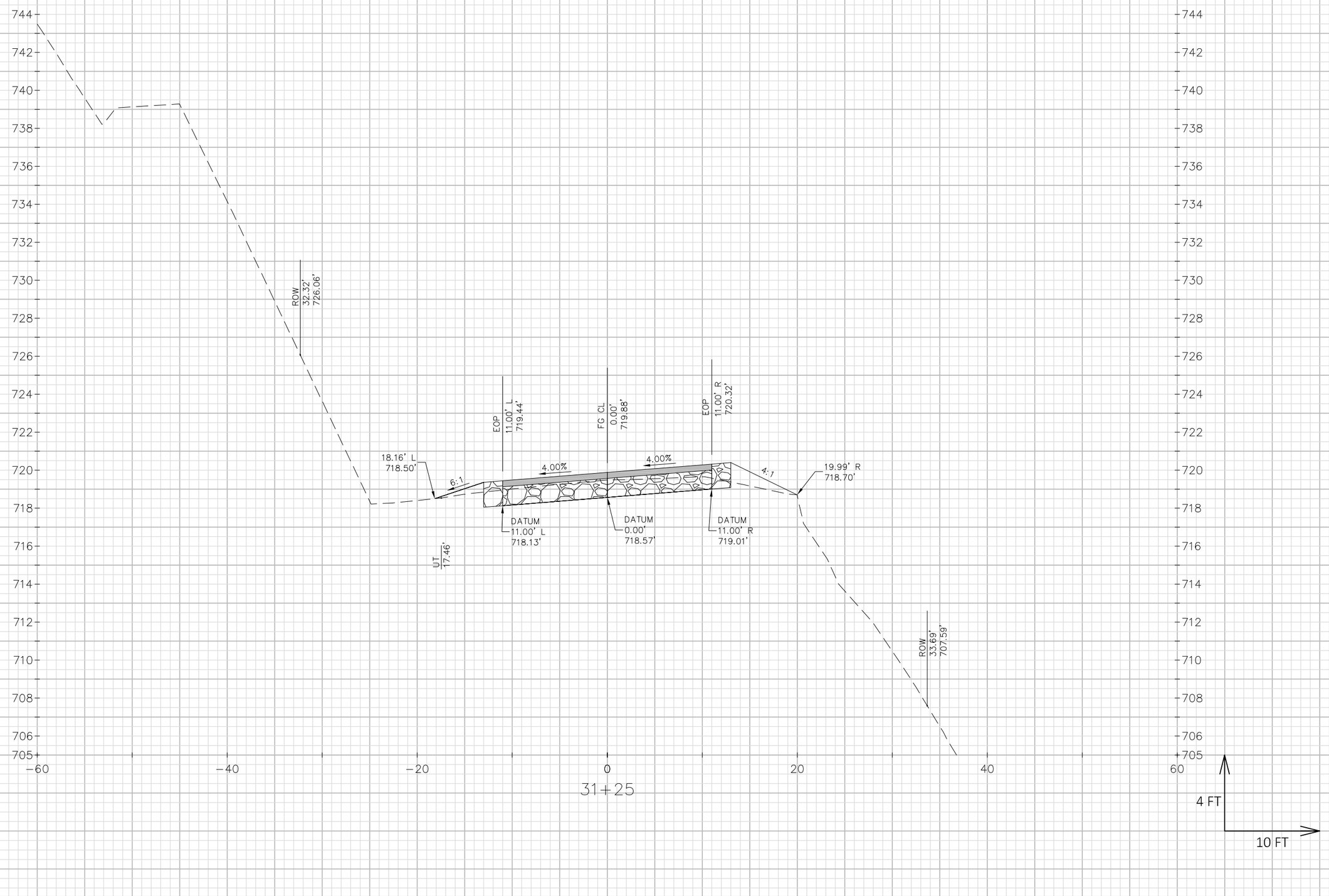
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 114	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS56

PLOT DATE : 10/25/2024 4:29 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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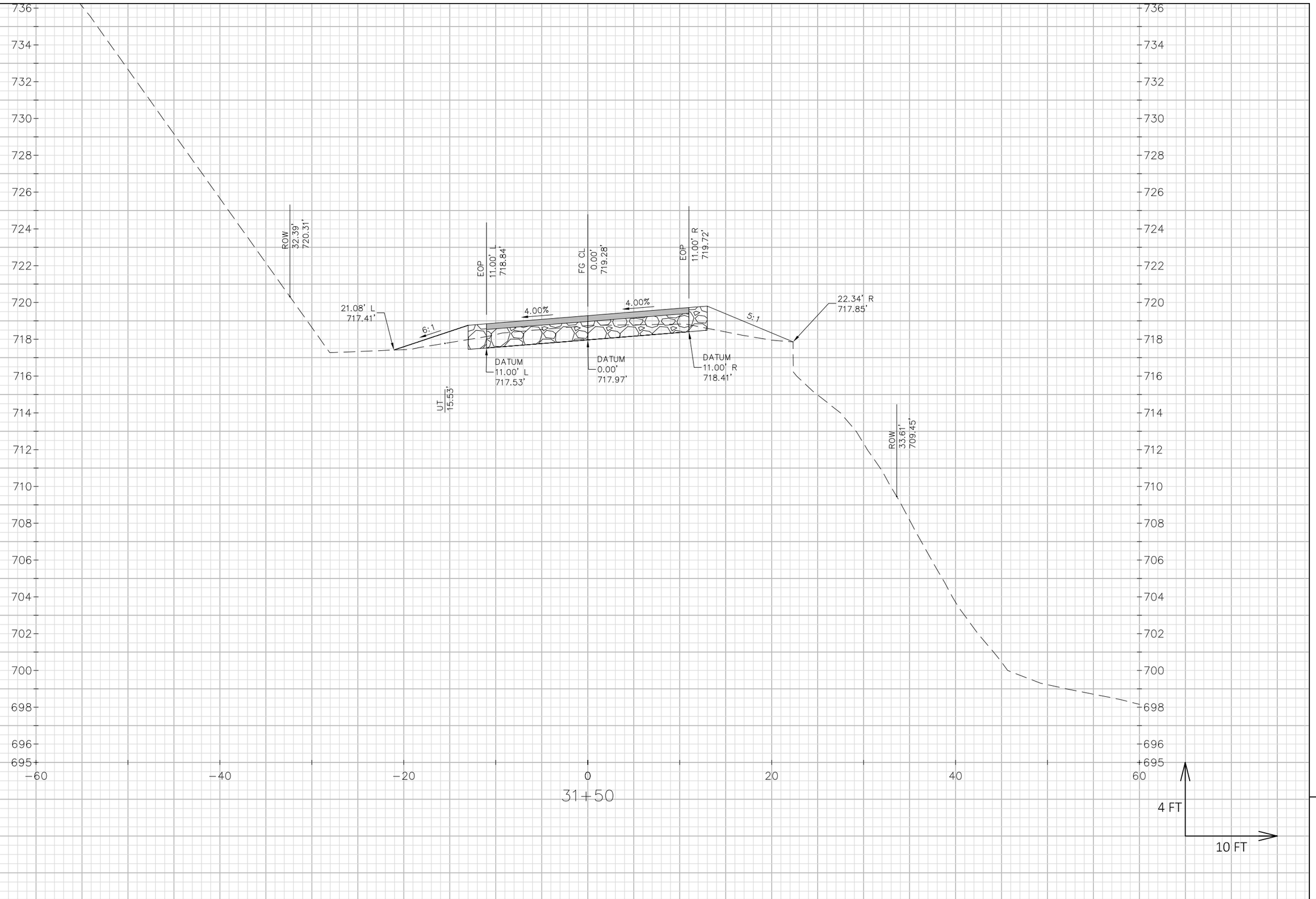
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 115	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS57

PLOT DATE : 10/25/2024 4:29 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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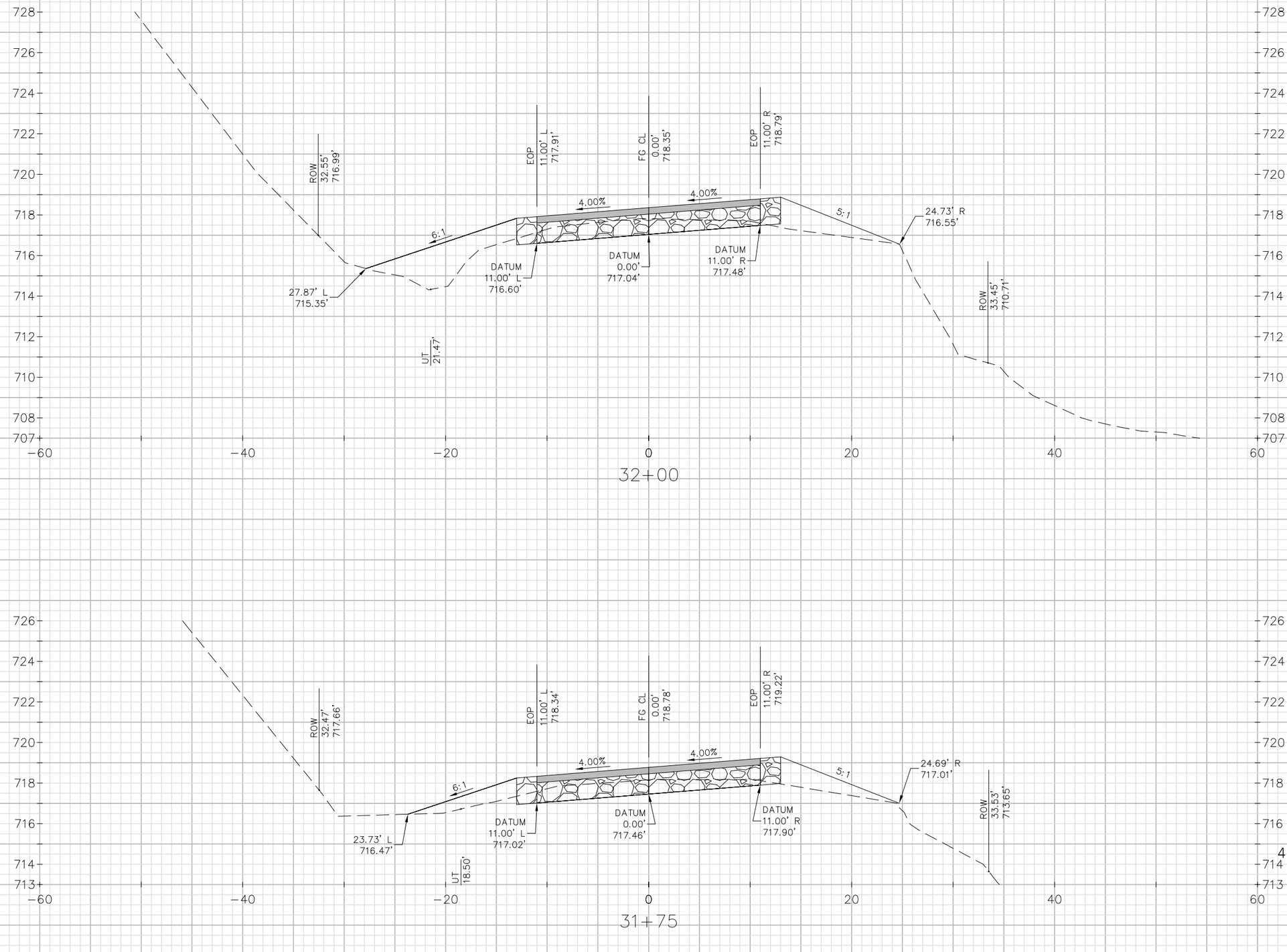
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 116	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS58

PLOT DATE : 10/25/2024 4:29 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

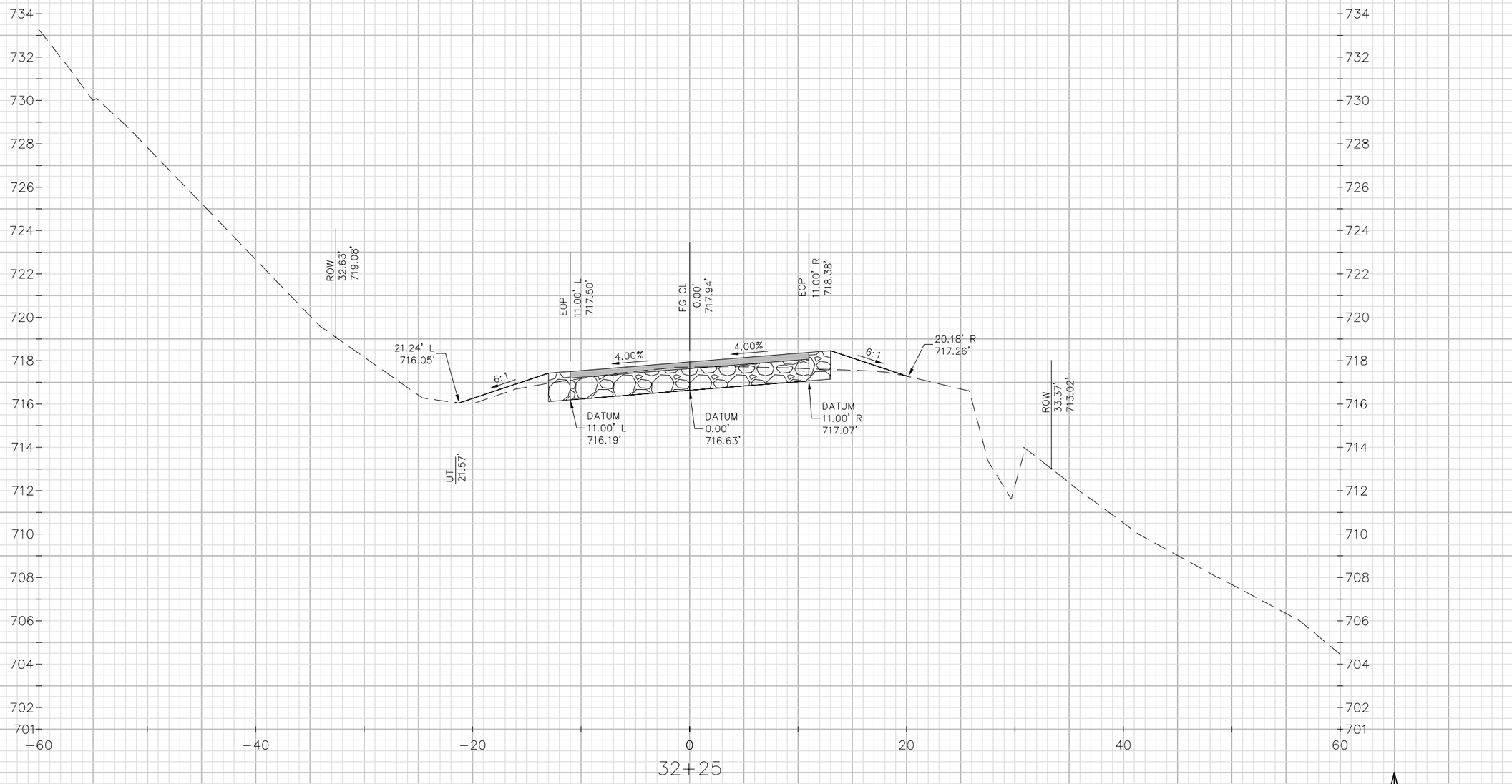


PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 117	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS59

PLOT DATE : 10/25/2024 4:30 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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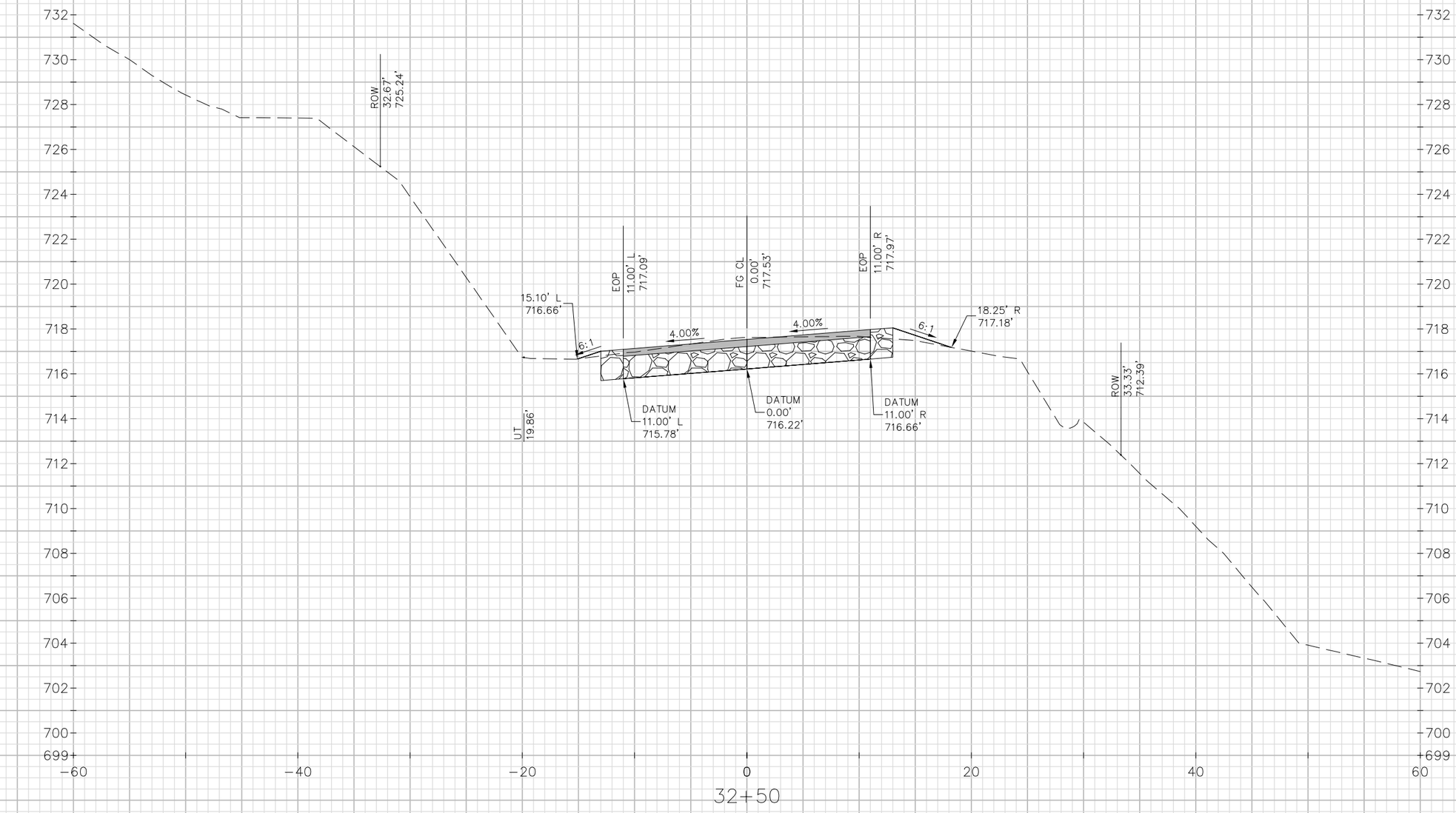
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 118	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS60

PLOT DATE : 10/25/2024 4:30 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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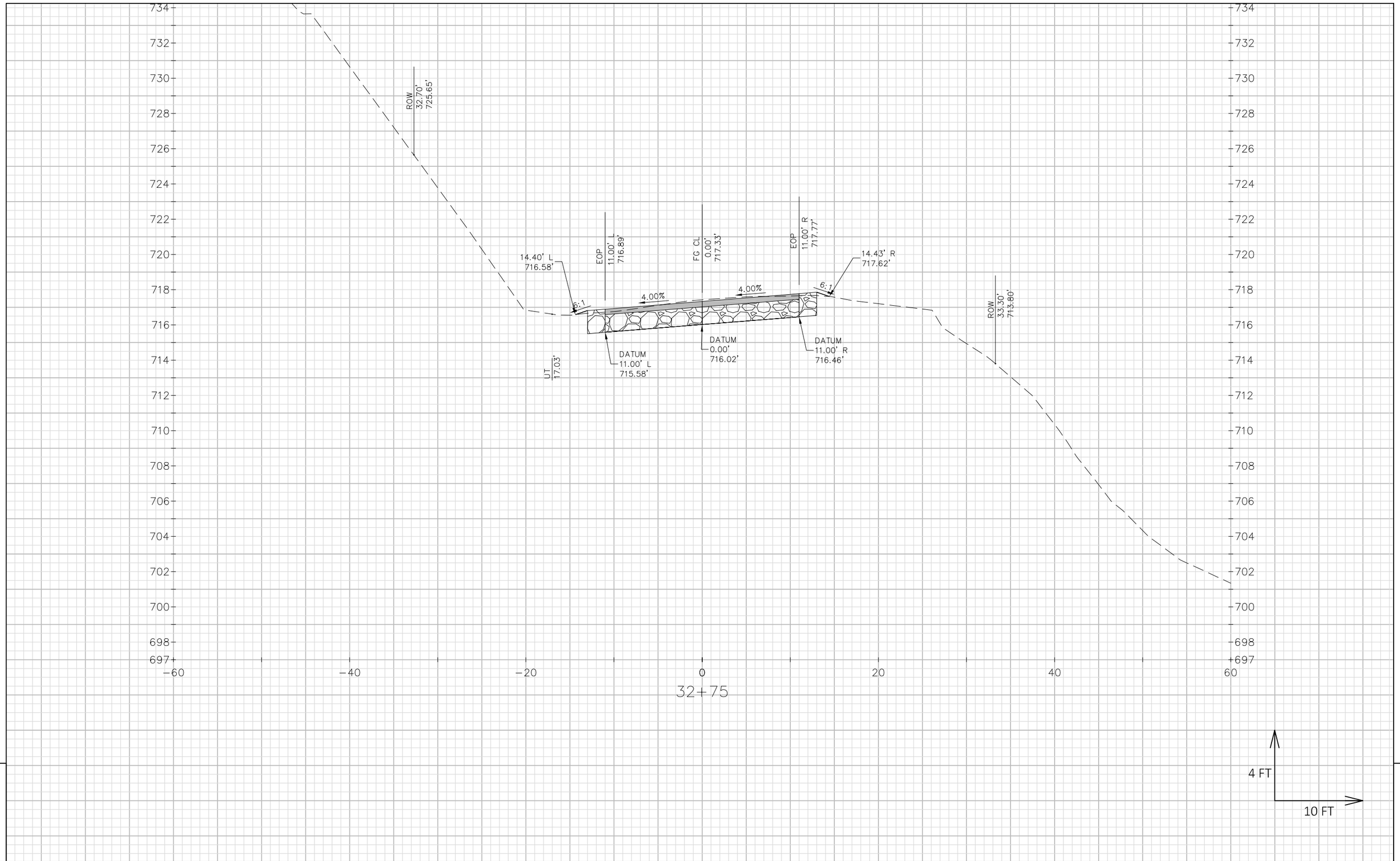
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 119	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS61

PLOT DATE : 10/25/2024 4:30 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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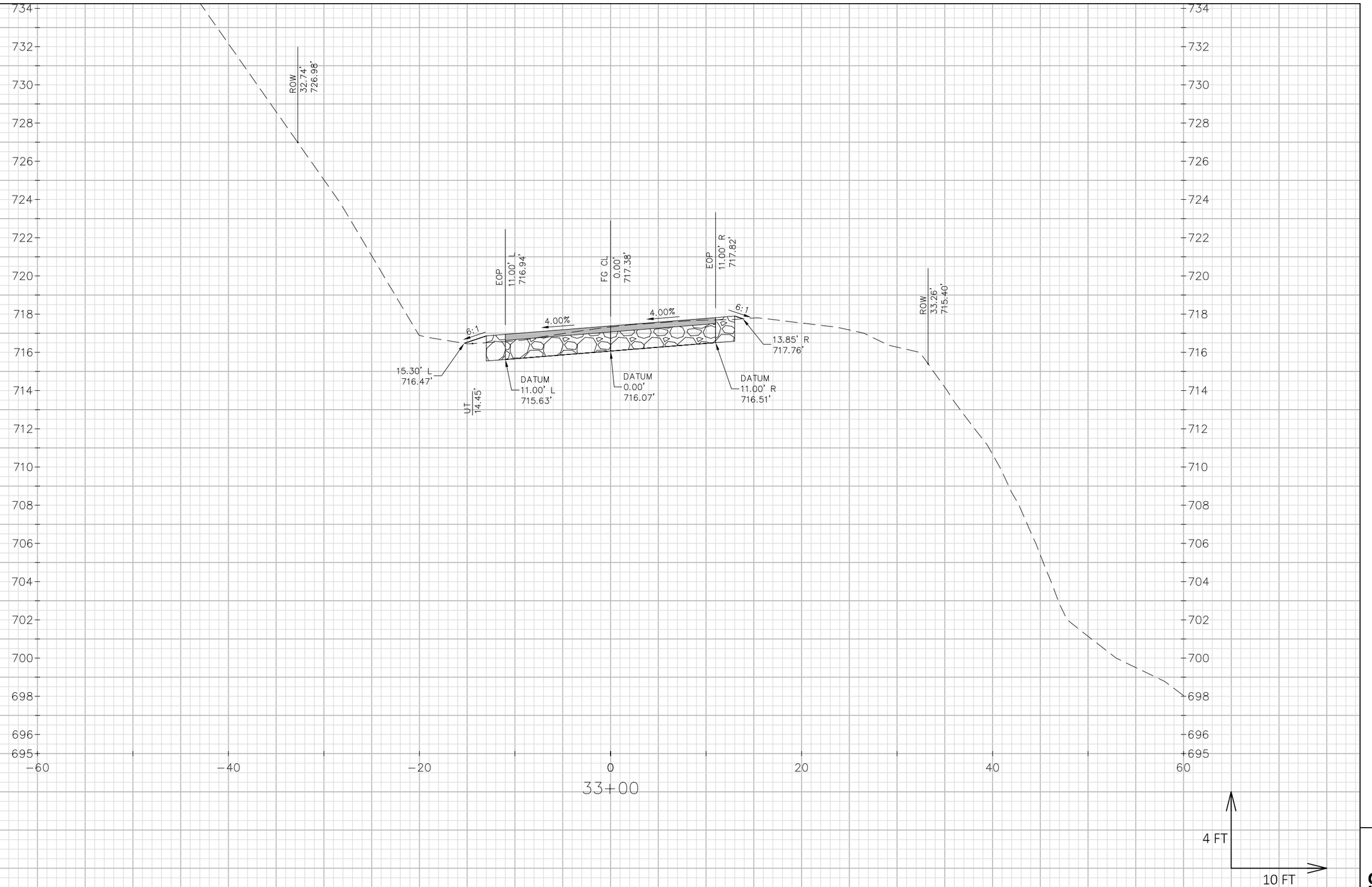
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 120	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS62

PLOT DATE : 10/25/2024 4:30 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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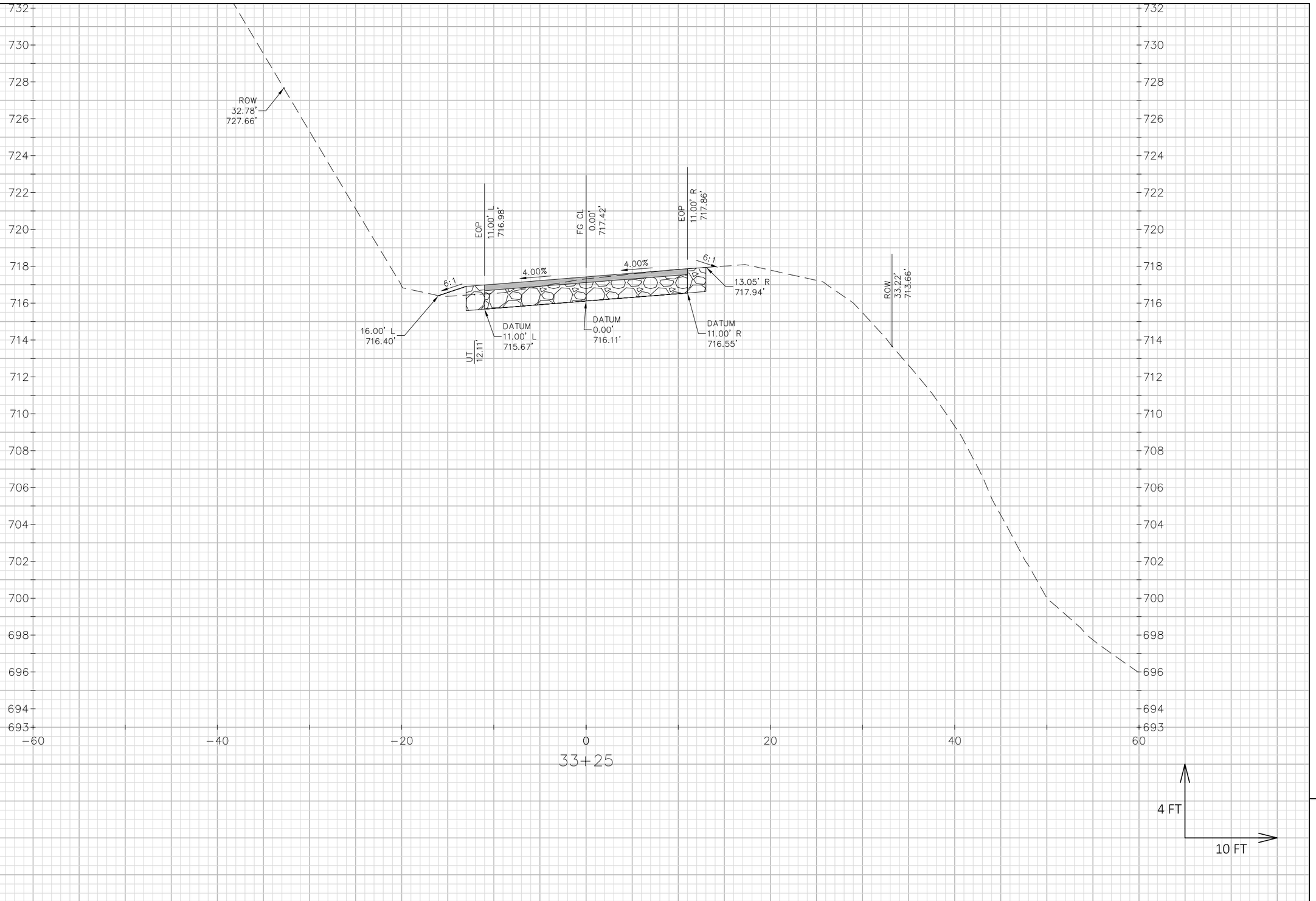
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 121	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS63

PLOT DATE : 10/25/2024 4:30 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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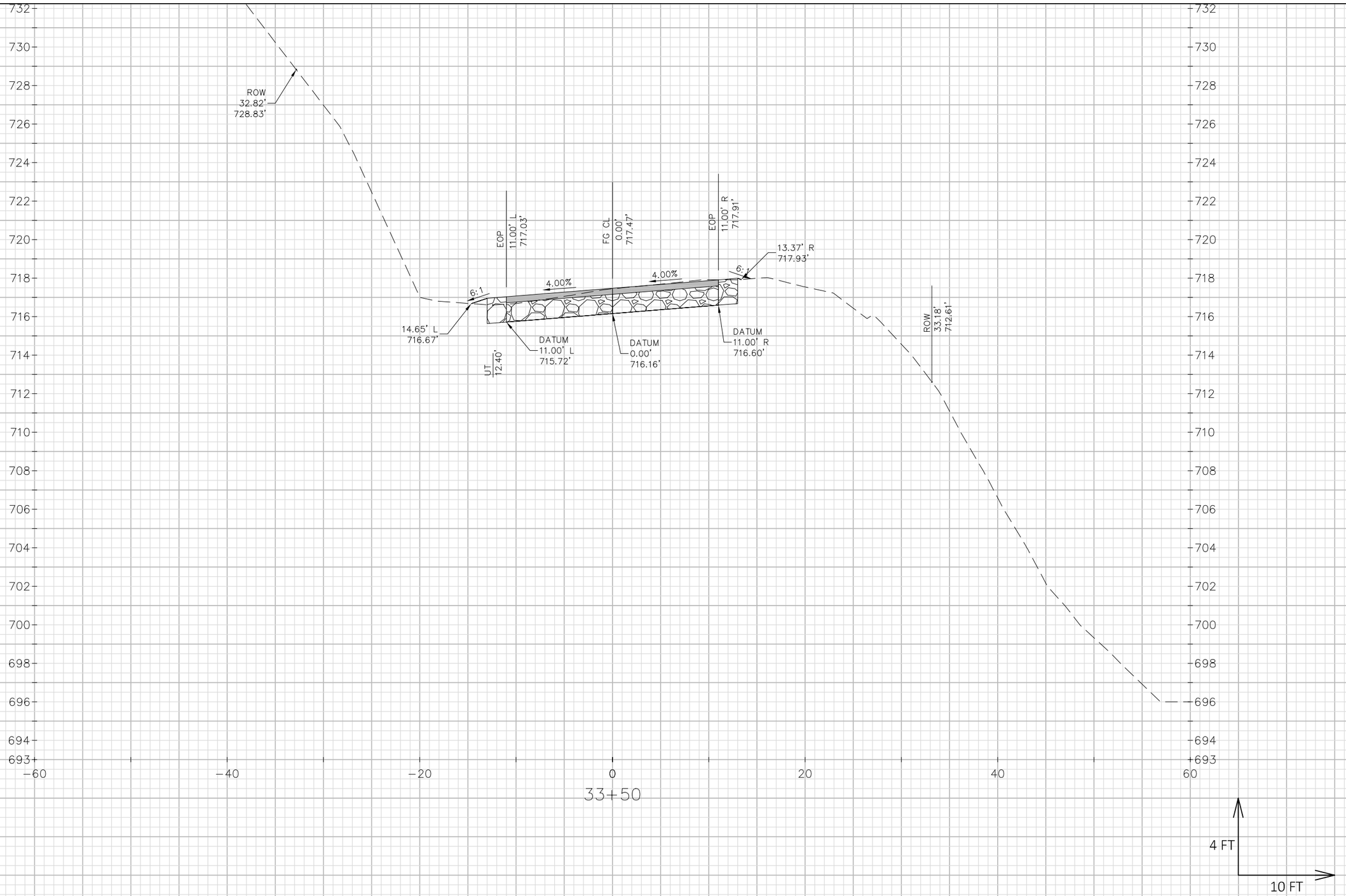
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 122	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS64

PLOT DATE : 10/25/2024 4:30 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



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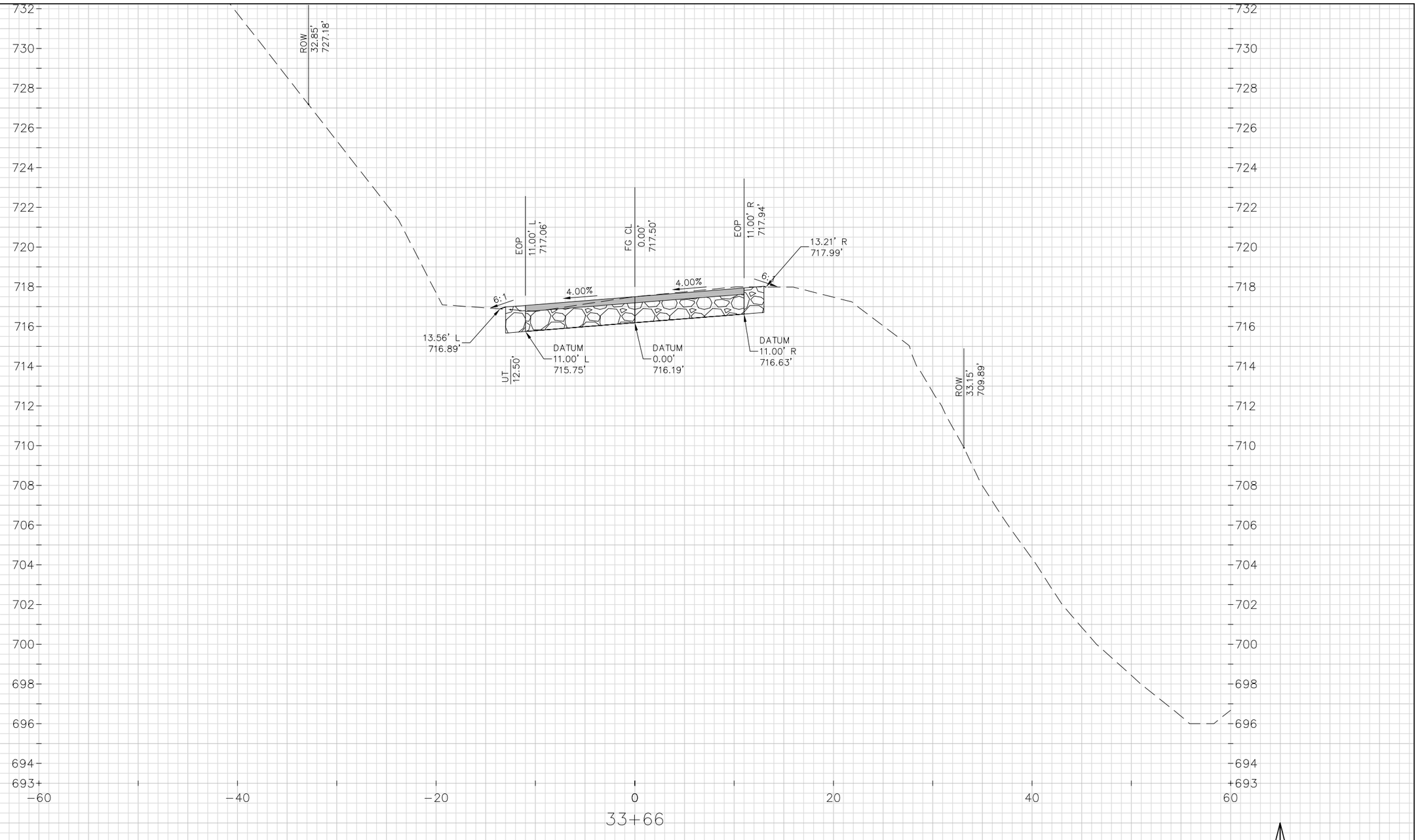
PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 123	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS65

PLOT DATE : 10/25/2024 4:30 PM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49



END PROJECT
STA 33+67.3

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PROJECT NO: 5319-00-70	HWY: VINEYARD ROAD	COUNTY: CRAWFORD	CROSS SECTIONS: VINEYARD ROAD	SHEET 124	E

FILE NAME : R:\PRAIRIE DU CHIEN, CITY OF\230032 - VINEYARD ROAD RECONSTRUCTION\CADD\PDCH VINEYARD ROAD BASE ENGINEERING.DWG
LAYOUT NAME - XS66

PLOT DATE : 10/28/2024 9:50 AM PLOT BY : PAUL JUNION PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:5 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov