

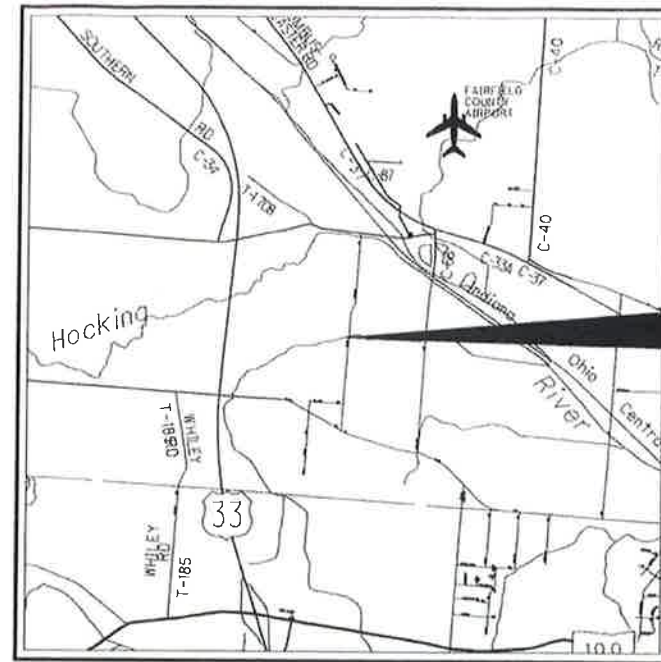
FAIRFIELD COUNTY ENGINEER

FAI-C.R.54-0.555 GRE-22

GREENFIELD TOWNSHIP
CAMPGROUND ROAD
BRIDGE REPLACEMENT PROJECT

PROJECT DESCRIPTION
PROJECT WILL REPLACE EXISTING BRIDGE WITH A REINFORCED CONCRETE BOX CULVERT. PROJECT INCLUDES SHOULDER WIDENING, DITCH RELOCATION AND GUARDRAIL INSTALLATION.

2023 SPECIFICATIONS
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.



LOCATION MAP

LATITUDE: 39°44'23" LONGITUDE: -82°39'58"



PROJECT LOCATION

INDEX OF SHEETS:

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SHOULDER TAPERS

1	EX. @ STA. 114+90.00 TO 2.0' @ STA. 115+15.00	= 25.00 FT
	2.0' FROM STA. 115+15.00 TO STA. 117+30.00	= 215.00 FT
	2.0' @ STA. 117+30.00 TO EX. @ STA. 117+55.00	= 25.00 FT
2	EX. @ STA. 114+90.00 TO 2.0' @ STA. 115+15.00	= 25.00 FT
	2.0' FROM STA. 115+15.00 TO STA. 117+30.00	= 215.00 FT
	2.0' @ STA. 117+30.00 TO EX. @ STA. 117+55.00	= 25.00 FT
	TOTAL	= 530.00 FT

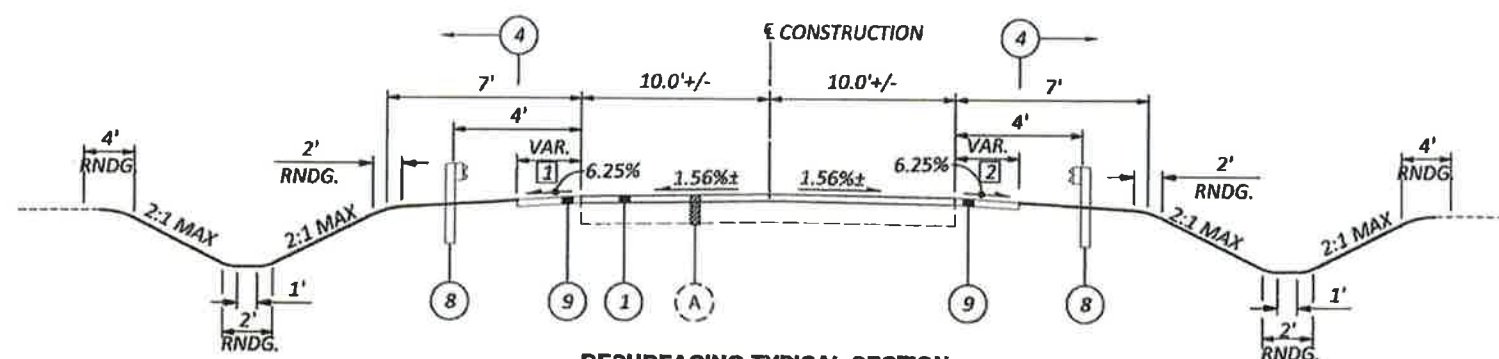
ESTIMATED QUANTITIES

ITEM	QTY	UNIT	DESCRIPTION
ROADWAY			
301	65	CY	ASPHALT CONCRETE BASE
304	67	CY	AGGREGATE BASE
304	12	CY	AGGREGATE BASE (BERM)
407	33	GAL	NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE
411	10	CY	STABILIZED CRUSHED AGGREGATE
441	43	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE PG 64-22 (449)
606	300	FT	GUARDRAIL, TYPE MGS
606	4	EA	ANCHOR ASSEMBLY, MGS TYPE A
STRUCTURE			
518	62	FT	4" PERFORATED CORRUGATED PLASTIC PIPE PLUS SPECIAL
512	280	SY	TYPE 2, WATERPROOFING
601	58	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC
611	60	FT	18" x 8" CONDUIT, TYPE A, 706.05
690		SUM	SPECIAL: PRECAST CONCRETE STONE STRONG WALL, 704.03



PLAN PREPARED BY:
FAIRFIELD COUNTY ENGINEER'S OFFICE
3026 W. FAIR AVENUE
LANCASTER, OHIO 43130
JEREMIAH D. UPP, P.E., P.S.
FAIRFIELD COUNTY ENGINEER

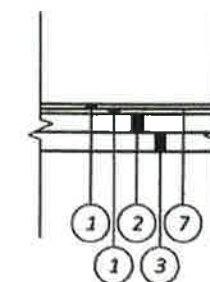
FOR PAVEMENT TAPERS SEE PLAN SHEET



RESURFACING TYPICAL SECTION

SECTION APPLIES:
STA. 114+90.00 TO STA. 115+44 = 54 FT
STA. 116+91.00 TO STA. 117+55 = 64 FT
TOTAL = 118 FT

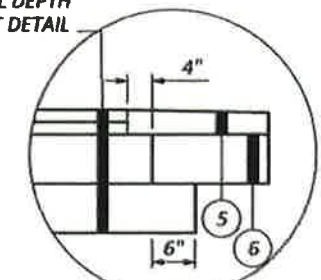
- | | | | |
|---|--|---|---|
| 1 | EXISTING PAVEMENT | 5 | ITEM 411 - STABILIZED CRUSHED AGGREGATE (T=3") |
| 2 | ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG 64-22 (449) | 6 | ITEM 304 - 6" AGGREGATE BASE (BERM) |
| 3 | ITEM 301 - 6" ASPHALT CONCRETE BASE | 7 | ITEM 407 - NON-TRACKING TACK COAT FOR INTERMEDIATE COURSE (0.05 GAL/SY) |
| 4 | ITEM 304 - 6" AGGREGATE BASE | 8 | ITEM 606 - GUARDRAIL, TYPE MGS |
| | | 9 | ITEM 411 - STABILIZED CRUSHED AGGREGATE (T=1.5") |
| | | | |
| | | | |



FULL DEPTH PAVEMENT

SECTION APPLIES:
STA. 115+44.00 TO STA. 116+91 = 147 FT

SEE FULL DEPTH PAVEMENT DETAIL

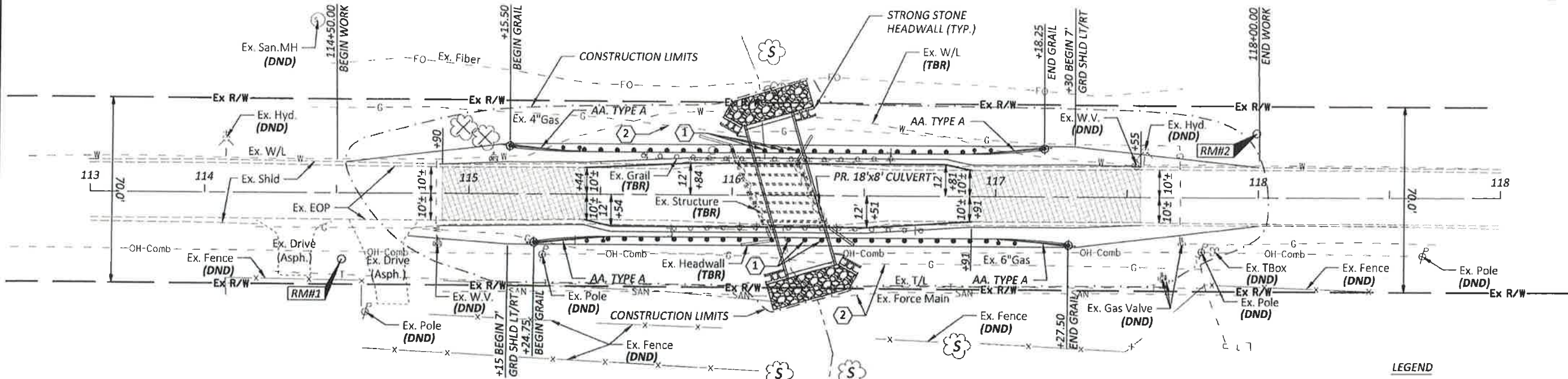


EDGE DETAIL

TITLE SHEET



DESIGN AGENCY	FAIRFIELD COUNTY ENGINEER
DESIGNER	DJM
REVIEWER	WGM
PROJECT ID	03/25
GRE-22	
SHEET	TOTAL
1	9



CODED NOTES:

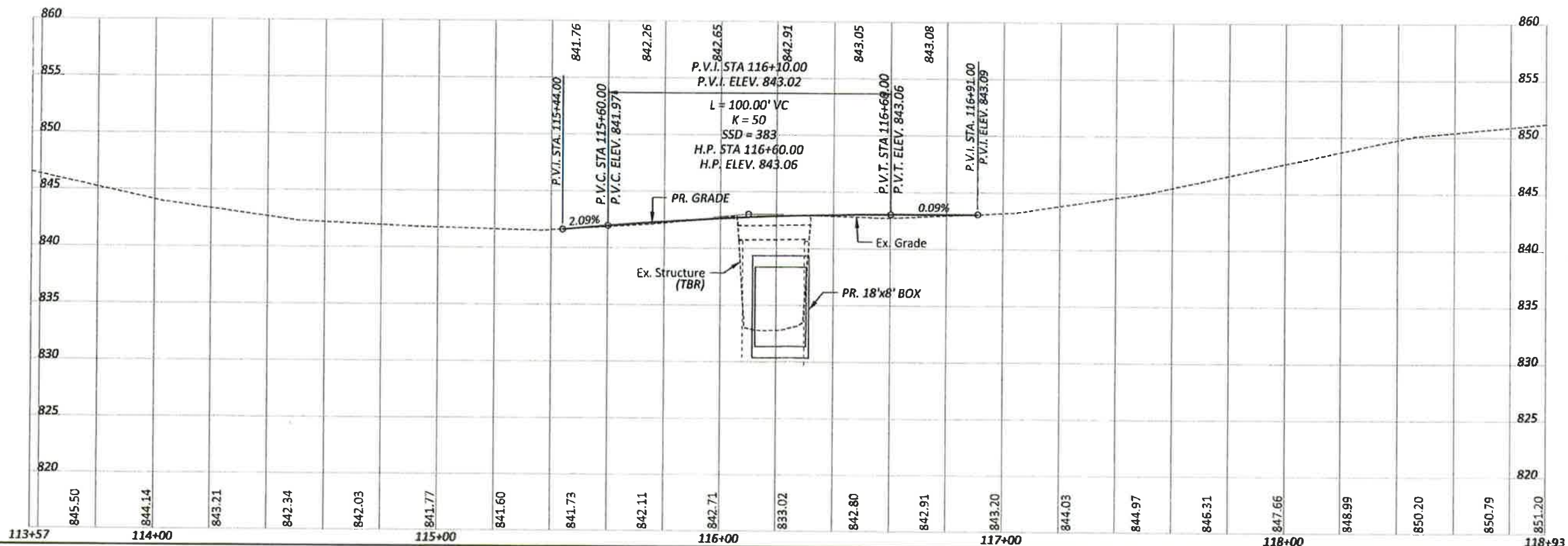
- 1 INSTALL GUARDRAIL POSTS PER, ODOT STD. DWG. MGS-1.1 AS REQUIRED POSTS TO BE BOLTED TO TOP OF CULVERT.
- 2 EXISTING GASLINE AND FORCE MAIN TO BE LOCATED IN FIELD BY CONTRACTOR AS PER ENGINEER.

DND = DO NOT DISTURB
TBR = TO BE RELOCATED

REFERENCE MONUMENTS						
RM#	STATION	OFFSET	EL.	NORTHING	EASTING	TYPE
1	114+52.09	25.01' RT	841.35	633521.8000	1921831.7350	I.P.F. RED CEC CAP
2	117+99.19	24.03' LT	849.33	633871.4590	1921806.2740	I.P.F. RED CEC CAP

LEGEND

- RCP TYPE B, 30" THICK W/ FILTER FABRIC
- RESURFACE AREA



PLAN AND PROFILE
GRE-22 (CAMPGROUND ROAD)
BRIDGE REPLACEMENT PROJECT

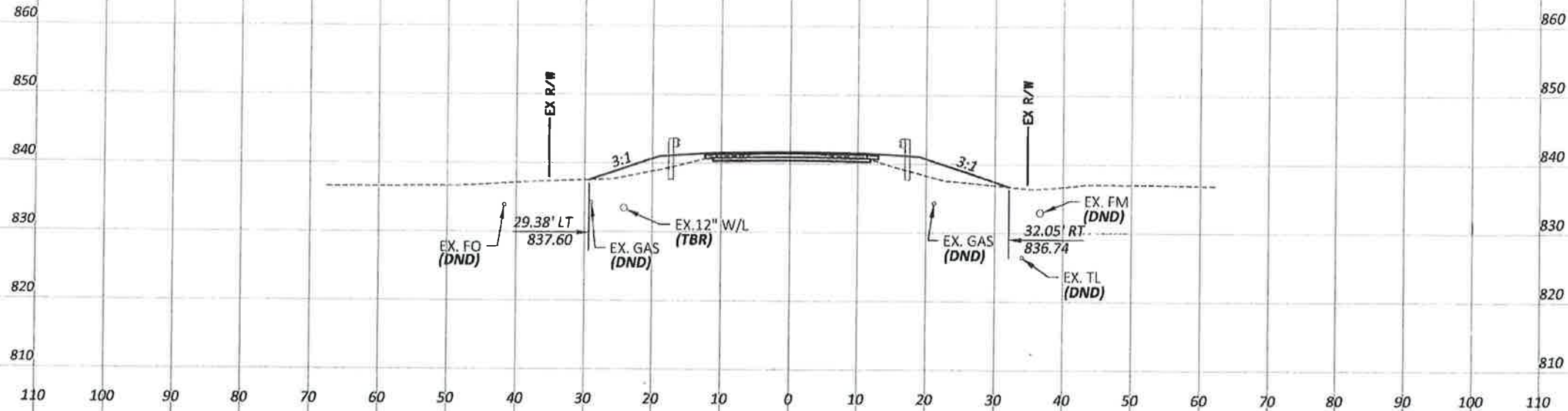


DESIGNER
DJM
REVIEWER
WGM 03/25
PROJECT ID
GRE-22

TOTAL
2 9

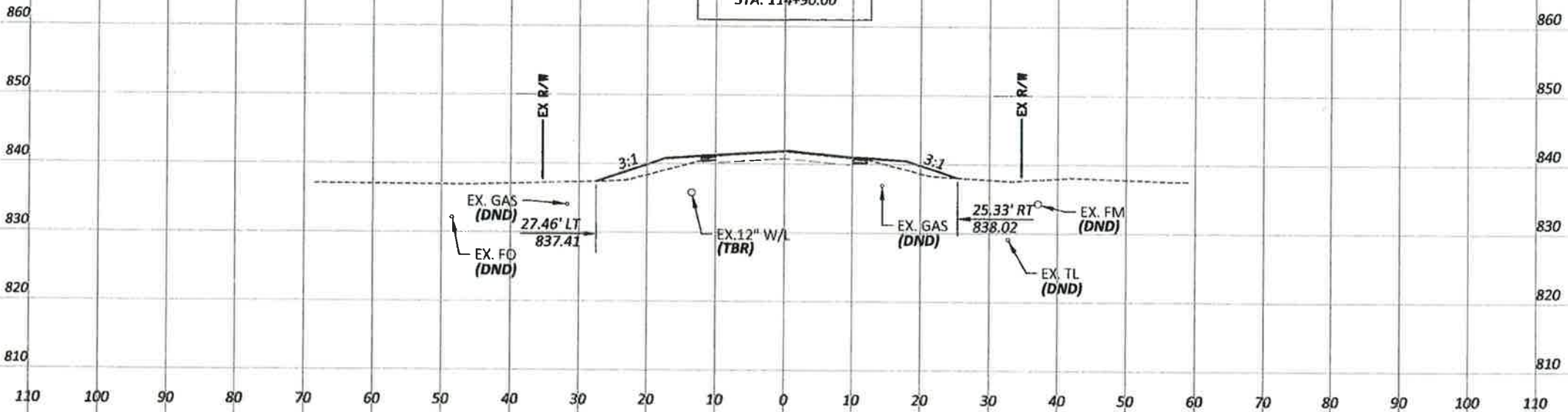
SEEDING	
FIN WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL



841.73
115+50.00
841.73

BEGIN RESURFACING
STA. 114+90.00



841.77
115+00.00
841.77

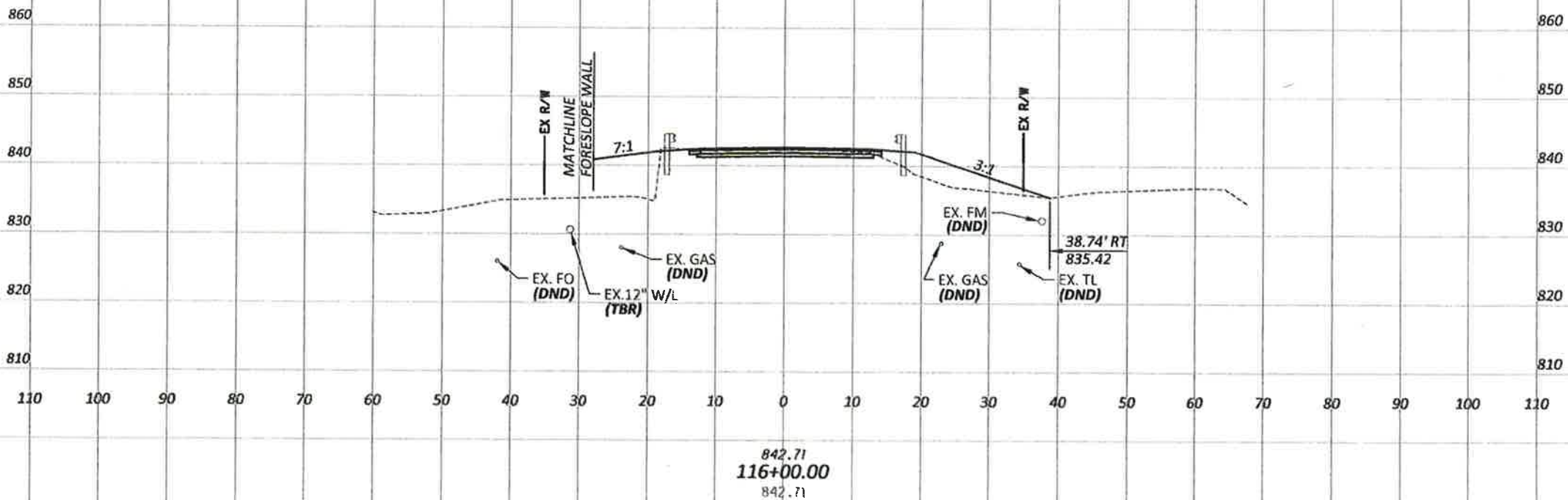
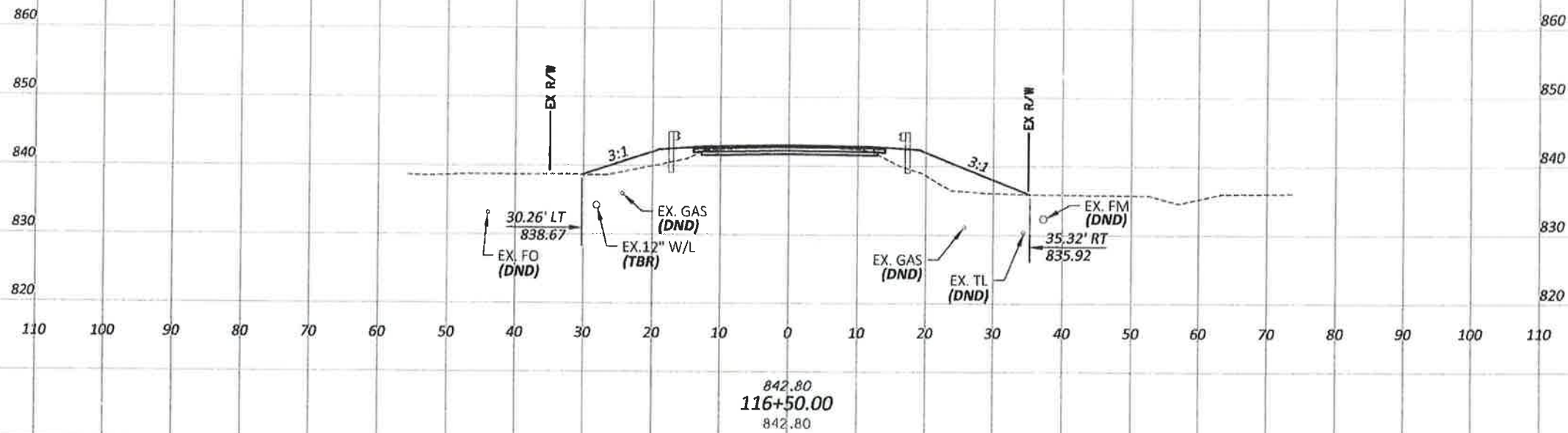
CROSS SECTIONS - GRE-22 (CAMPGROUND ROAD)
STA. 114+50.00 TO STA. 115+00.00



DESIGNER	DJM
REVIEWER	WGM
PROJECT ID	GRE-22
SHEET	3
TOTAL	9

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL



BEGIN FULL DEPTH
STA. 115+44.00

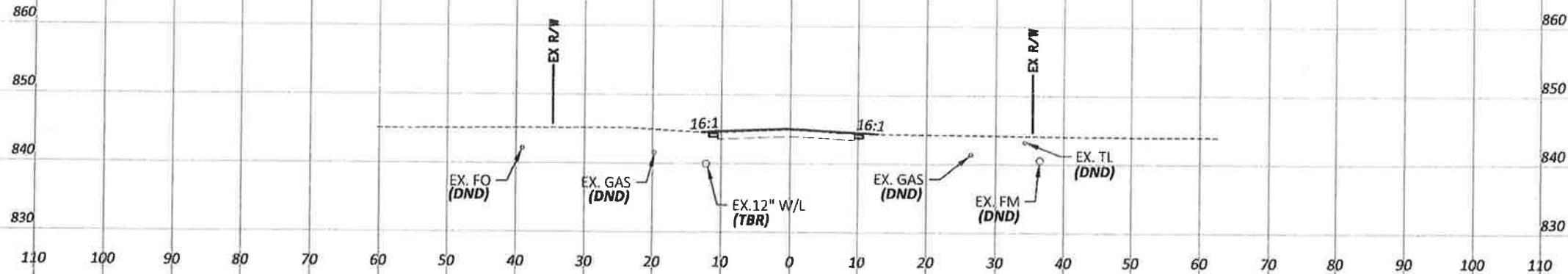
CROSS SECTIONS - GREE-22 (CAMPGROUND ROAD)
STA. 115+50.00 TO STA. 116+00.00



DESIGNER	DJM
REVIEWER	WG
PROJECT ID	GRE-22
SHEET	4
TOTAL	9

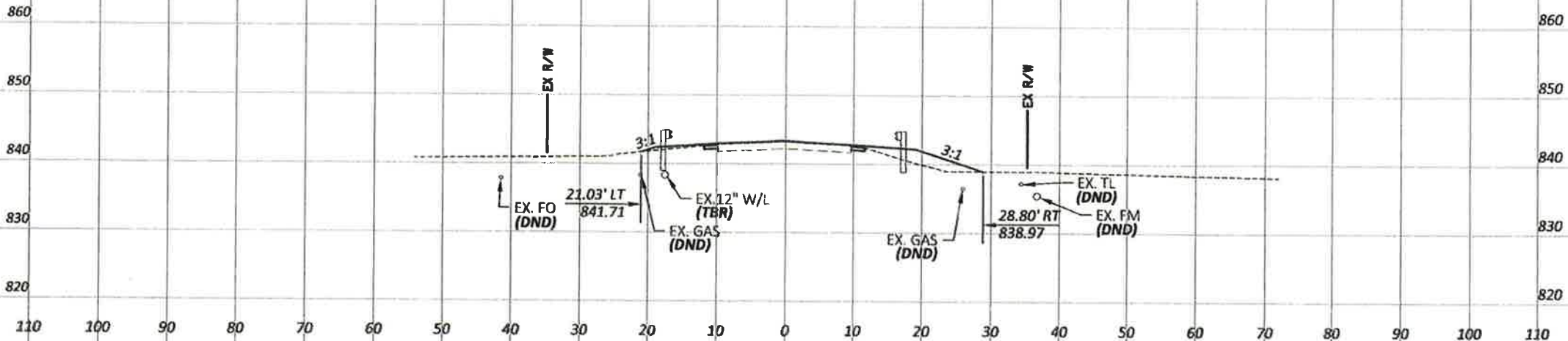
SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL



844.97
117+50.00
844.97

END FULL DEPTH
STA. 115+91.00



843.20
117+00.00
843.20

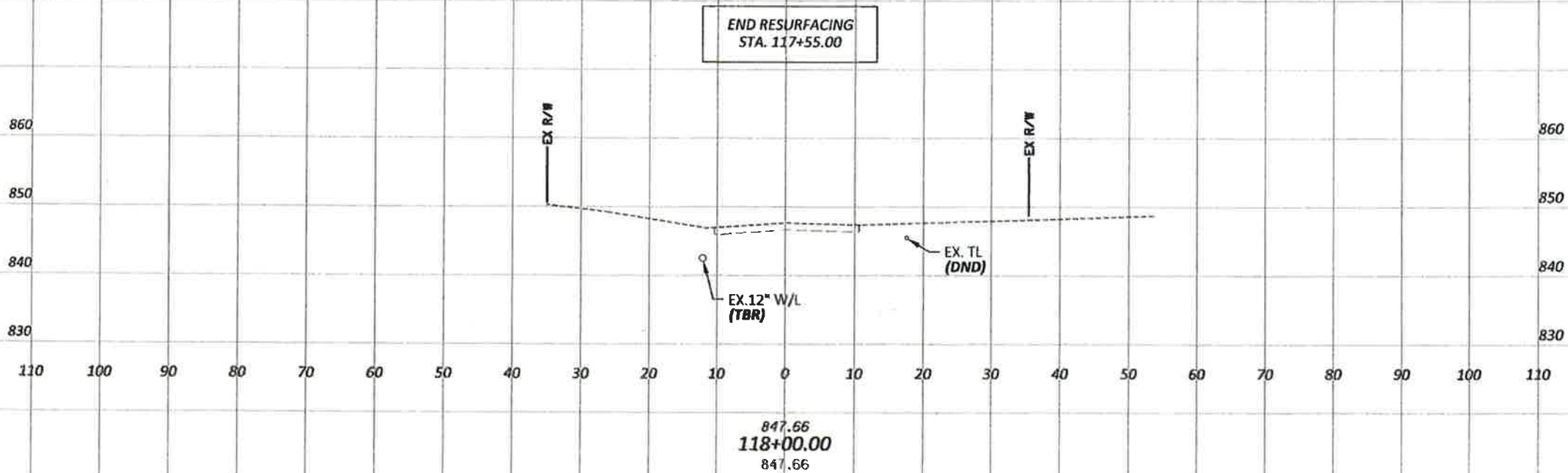
CROSS SECTIONS - GRE-22 (CAMPGROUND ROAD)
STA. 116+50.00 TO STA. 117+00.00



DESIGNER	DJM
REVIEWER	WGM 03/25
PROJECT ID	GRE-22
SHEET	5
TOTAL	9

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL



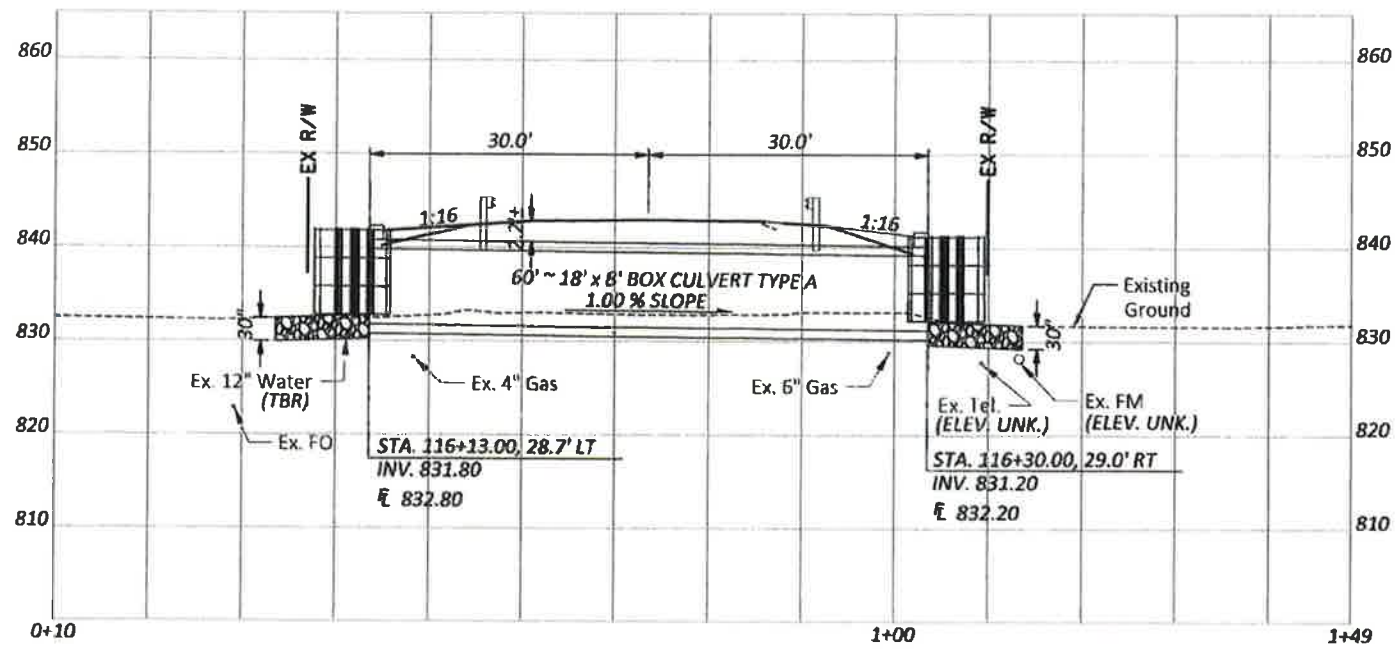
CROSS SECTIONS - GRE-22 (CAMPGROUND ROAD)
STA. 117+50.00 TO STA. 118+00.00



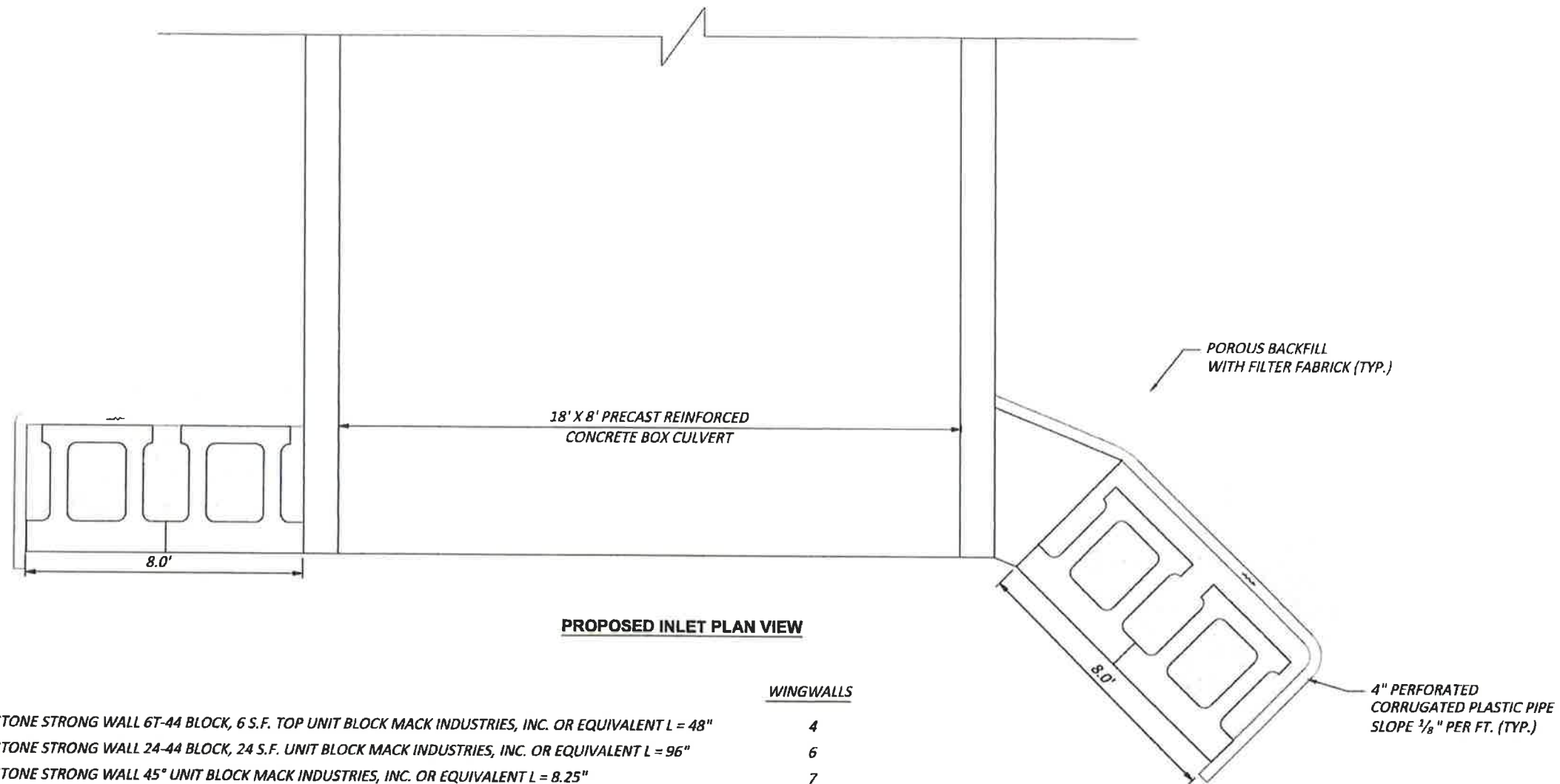
DESIGNER	DJM
REVIEWER	WGM
DATE	03/25
PROJECT ID	GRE-22
SHEET	6
TOTAL	9



CULVERT DETAIL
GRE-22 (CAMPGROUD ROAD)
BRIDGE REPLACEMENT PROJECT

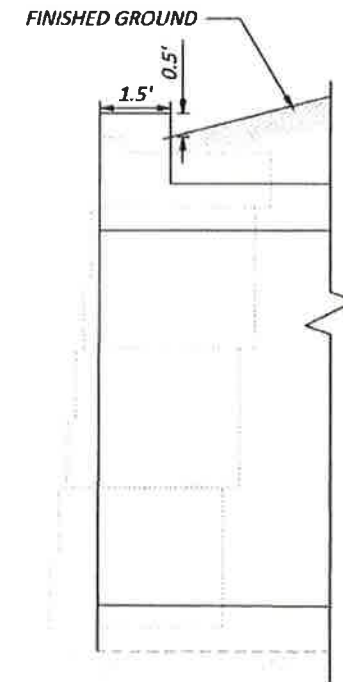
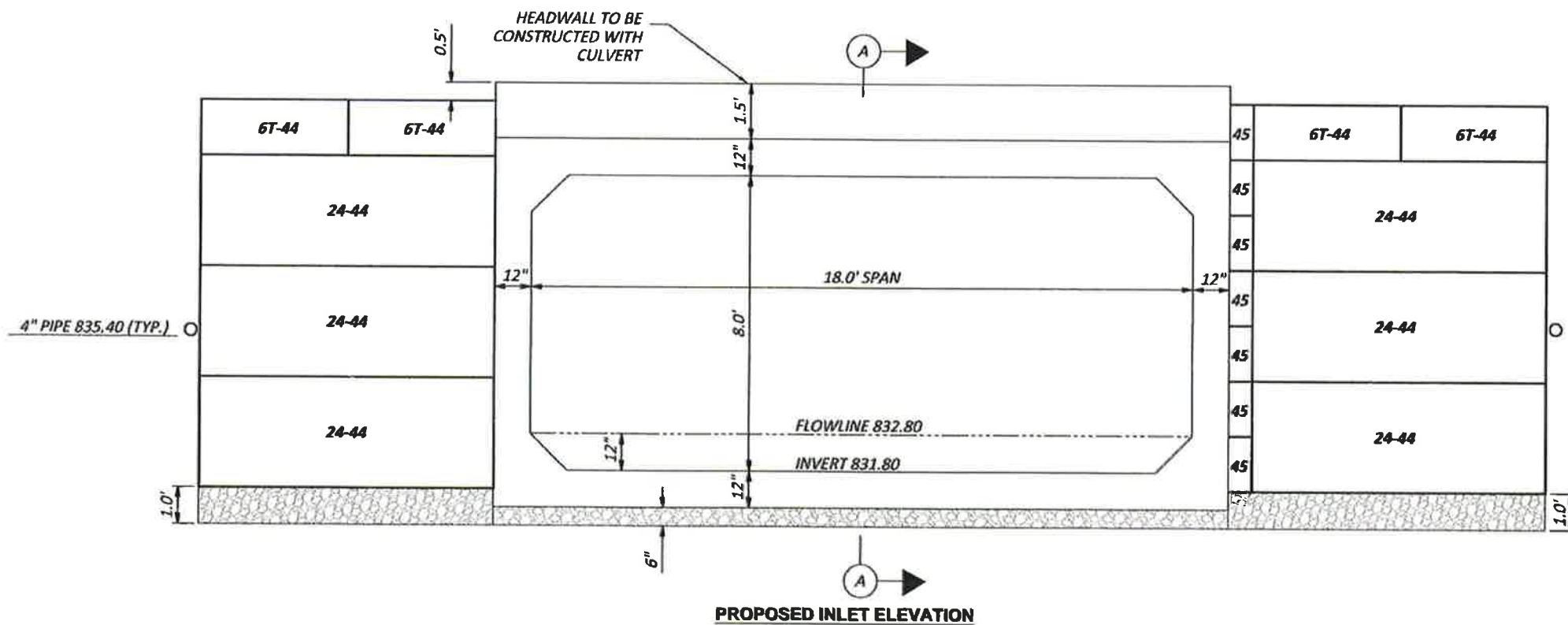


DESIGNER
DJM
REVIEWER
VGM 03/25
PROJECT ID
GRE-22



ITEM SPECIAL: STONE STRONG WALL 6T-44 BLOCK, 6 S.F. TOP UNIT BLOCK MACK INDUSTRIES, INC. OR EQUIVALENT L = 48"
 ITEM SPECIAL: STONE STRONG WALL 24-44 BLOCK, 24 S.F. UNIT BLOCK MACK INDUSTRIES, INC. OR EQUIVALENT L = 96"
 ITEM SPECIAL: STONE STRONG WALL 45° UNIT BLOCK MACK INDUSTRIES, INC. OR EQUIVALENT L = 8.25"

WINGWALLS	
4	
6	
7	



**PROPOSED OUTLET ELEVATION**

ITEM SPECIAL: STONE STRONG WALL 6T-44 BLOCK, 6 S.F. TOP UNIT BLOCK MACK INDUSTRIES, INC. OR EQUIVALENT L = 48"
ITEM SPECIAL: STONE STRONG WALL 24-44 BLOCK, 24 S.F. UNIT BLOCK MACK INDUSTRIES, INC. OR EQUIVALENT L = 96"
ITEM SPECIAL: STONE STRONG WALL 45" UNIT BLOCK MACK INDUSTRIES, INC. OR EQUIVALENT L = 8.25"

**HEADWALL TO BE
CONSTRUCTED WITH
CULVERT**

4" PIPE 834.80 (TYP.)

FLOWLINE 832.20
INVERT 831.20

— POROUS BACKFILL
WITH FILTER FABRICK (TYP.)

4" PERFORATED
CORRUGATED PLASTIC PIPE
SLOPE 1/8" PER FT. (TYP.)

FINISHED GROUND -

OUTLET DETAILS
GRE-22 CAMPGROUND ROAD



DESIGN AGENCY

FAIRFIELD COUNTY
ENGINEER

DESIGNER	
DJM	
REVIEWER	
GM 03/25	
PROJECT ID	
GRE-22	
SHEET	TOTAL
9	9