

901 Vine Street
P.O. Box 72
Poplar Bluff, MO 63902
Phone 573.785.9621
Fax 573.785.2651



ADDENDUM NO. 1

DATE: April 2, 2020

PROJECT: Texas County Airport Road Bridge

PROJECT No.: S&C # P190012

LETTING DATE: April 15th, 2020 at 10:00 AM

LOCATION: Texas County Courthouse, Houston, MO

OWNER: Texas County

ENGINEER: S. H. Smith & Company, Inc. of Poplar Bluff, Missouri

SUBJECT: Project Plans - Barrier Details

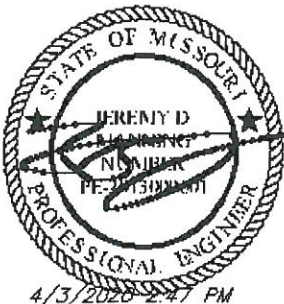
1. Due to a discrepancy, and additional clarification is needed for the overall dimension of the barriers, and fill face length. Please replace plan sheet No. 2, 4, 6 and 12 with the attached revised sheets.

SUBJECT: Project Contract Document – Bid Schedule

1. The total length of barrier was shown incorrectly on page No. 2 of the project plans and in the original bid schedule in the bid document. Please replace the existing bid schedule with the attached revised schedule.
2. The Basis of Bids showed Type II Rock Blanket, which should have been listed as Heavy Revetment. Also, items 22 and 23 used the incorrect unit. Please replace the Basis of Bids with the attached sheets.

Sincerely,

SMITH & CO.
ENGINEERS



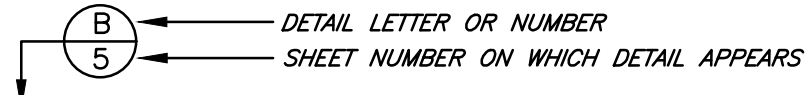
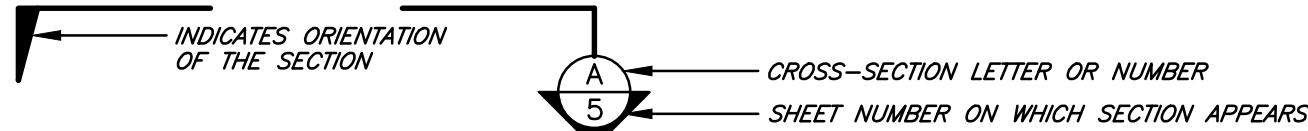
Jeremy Manning, P.E.
Project Manager

LEGEND

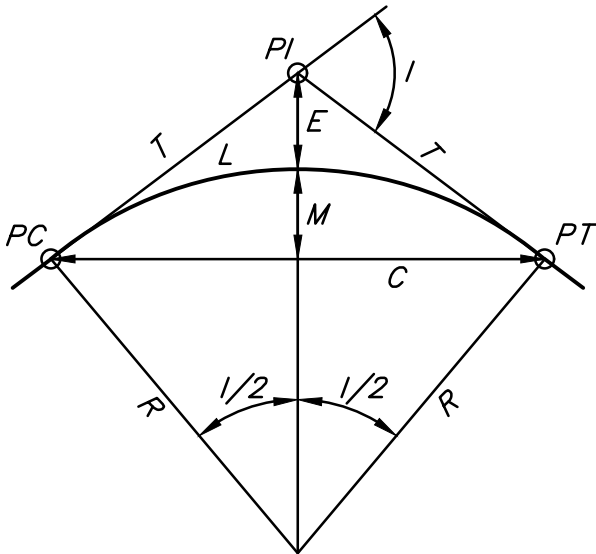
EXISTING	
UNDERGROUND UTILITY LINES:	
WATER.....	— W —
SANITARY SEWER.....	— S —
FORCE MAIN.....	— FM —
STORM SEWER.....	— STS —
TELEPHONE.....	— T —
GAS.....	— G —
ELECTRIC.....	— E —
CABLE.....	— C —
FUEL LINE.....	— F —
FIBER OPTIC.....	— FO —
OVERHEAD UTILITY LINES:	
TELEPHONE.....	— O-T —
ELECTRIC.....	— O-E —
CABLE.....	— O-C —
POWER POLE.....	○ PP
POWER POLE W/TRANSFORMERS NO.....	○ PP-1
CABLE POLE.....	○ CP
TELEPHONE POLE.....	○ TP
LIGHT POLE.....	⊗ LP
GUY WIRE ANCHOR.....	>—○ PP
ELECTRICAL RISER.....	⌒ ELEC RISER
TELEPHONE PEDESTAL.....	⊗ PHPD
MANHOLE.....	⊗ EXIST. MH
CLEAN OUT.....	○ CO
FIRE HYDRANT.....	⊗ FH
FLUSH HYDRANT.....	⊗ (FLUSH)
VALVE WATER/GAS.....	⊗ VV
METER WATER/GAS/ELECTRIC ETC.....	⊗ METER
DROP INLET FOR STORM WATER.....	▤ DROP INLET
DOWN SPOUT.....	□ DS
SIGN.....	— SIGN
RIGHT-OF-WAY MARKER.....	□ R/W
TREE.....	☁
TREE LINE.....	☁
CONTROL POINT.....	△ C/P #1
CONTOURS	
INTERMEDIATE.....	— 100 —
INDEX.....	— 100 —
FENCE	
CHAIN LINK.....	— X —
WOOD.....	— X —
BARBED WIRE.....	— X —
RIGHT-OF-WAY LINE.....	— R/W —
PROPERTY LINE.....	— P/L —
GUARD RAIL.....	— GR —
PIPE/CULVERT.....	— PC —
DITCH FLOW LINE DIRECTION.....	> —>
BUILDING.....	▤

PROPOSED	
WATER	
2" WATER LINE.....	— 2W —
4" WATER LINE.....	— 4W —
6" WATER LINE.....	— 6W —
8" WATER LINE.....	— 8W —
10" WATER LINE.....	— 10W —
12" WATER LINE.....	— 12W —
FIRE HYDRANT.....	⊗ FH
FLUSH HYDRANT.....	⊗ (FLUSH)
VALVE WATER.....	⊗ VV
WATER SERVICE.....	⊗ W
SEWER	
SANITARY SEWER.....	— S —
FORCE MAIN.....	— FM —
MANHOLE.....	● MH #1
SEWER SERVICE.....	⊗ S
CLEAN OUT.....	○ CO
GAS VALVE.....	⊗ VV
POWER POLE.....	● PP
POWER POLE W/TRANSFORMERS NO.....	● PP-1
CABLE POLE.....	● CP
TELEPHONE POLE.....	● TP
LIGHT POLE.....	● LP
SIGN.....	— SIGN
TREE.....	☁
CONTOURS.....	— 100 —
PIPE/CULVERT.....	— PC —
DROP INLET.....	▤ DROP INLET #1
TEMP.CONSTRUCTION EASEMENT.....	— TCE —
GUARD RAIL.....	— GR —
SILT FENCE.....	— SF —
RIGHT-OF-WAY.....	— R/W —
EASEMENT (PERMANENT).....	— E —
EASEMENT (TEMPORARY).....	— T —
BUILDING.....	▤

NOTE:
ALL ITEMS IN THE GENERAL LEGEND
MAY OR MAY NOT BE USED IN THIS PLAN SET.



CIRCULAR CURVE PARAMETERS



PI = POINT OF INTERSECTION
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY
I = DEFLECTION ANGLE
Da = DEGREE OF CURVE (ARC DEFINITION)
Dc = DEGREE OF CURVE (CHORD DEFINITION)
T = TANGENT LENGTH
R = RADIUS
L = LENGTH OF CURVE
C = CHORD LENGTH
E = EXTERNAL
M = MIDDLE ORDINATE
HP = HIGH POINT
LP = LOW POINT

EXISTING UTILITIES NOTE:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED ON VISIBLE ABOVE-GROUND OBJECTS AND MARKINGS, PREVIOUS RECORD DRAWINGS AND SURVEYS PROVIDED TO SMITH&CO. BY OTHERS, AND PAINT OR OTHER MARKINGS MADE BY UTILITY COMPANIES AND/OR UTILITY LOCATOR SERVICES PRIOR TO THE FIELD SURVEY. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED OBJECTS. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES/CONDUITS MAY VARY FROM THE LOCATIONS SHOWN HEREUPON. ADDITIONAL BURIED UTILITIES THAT DO NOT HAVE SURFACE MARKERS MAY BE ENCOUNTERED DURING EXCAVATION.

2. SMITH&CO. IS NOT A UTILITY LOCATOR SERVICE. SMITH&CO. IS NOT RESPONSIBLE OR LIABLE FOR DAMAGES RESULTING FROM UNMARKED OR INACCURATELY MARKED UNDERGROUND UTILITIES OR STRUCTURES.

3. THE MISSOURI ONE CALL SYSTEM (DIG-RITE) MUST BE CALLED AT LEAST TWO WORKING DAYS AND NOT MORE THAN TEN WORKING DAYS BEFORE ANY EXCAVATIONS OR INTRUSIVE SUBSURFACE ACTIVITIES ARE BEGUN. ALTHOUGH SMITH&CO. MAY HAVE CALLED DIG-RITE PRIOR TO ANY FIELD SURVEYING, IT IS THE RESPONSIBILITY OF THE PERSON(S) PERFORMING THE EXCAVATION TO CALL MISSOURI ONE-CALL PRIOR TO DIGGING.

MISSOURI ONE-CALL SYSTEM: CALL 1-800-344-7483 BEFORE YOU DIG.



GENERAL NOTES:

- CONTRACTOR TO PROVIDE TEMPORARY FENCING AS NECESSARY FOR LIVESTOCK CONTAINMENT.
- FENCE LOCATED IN CONSTRUCTION ZONE SHALL BE REPLACED AS NECESSARY TO ORIGINAL STANDARDS.

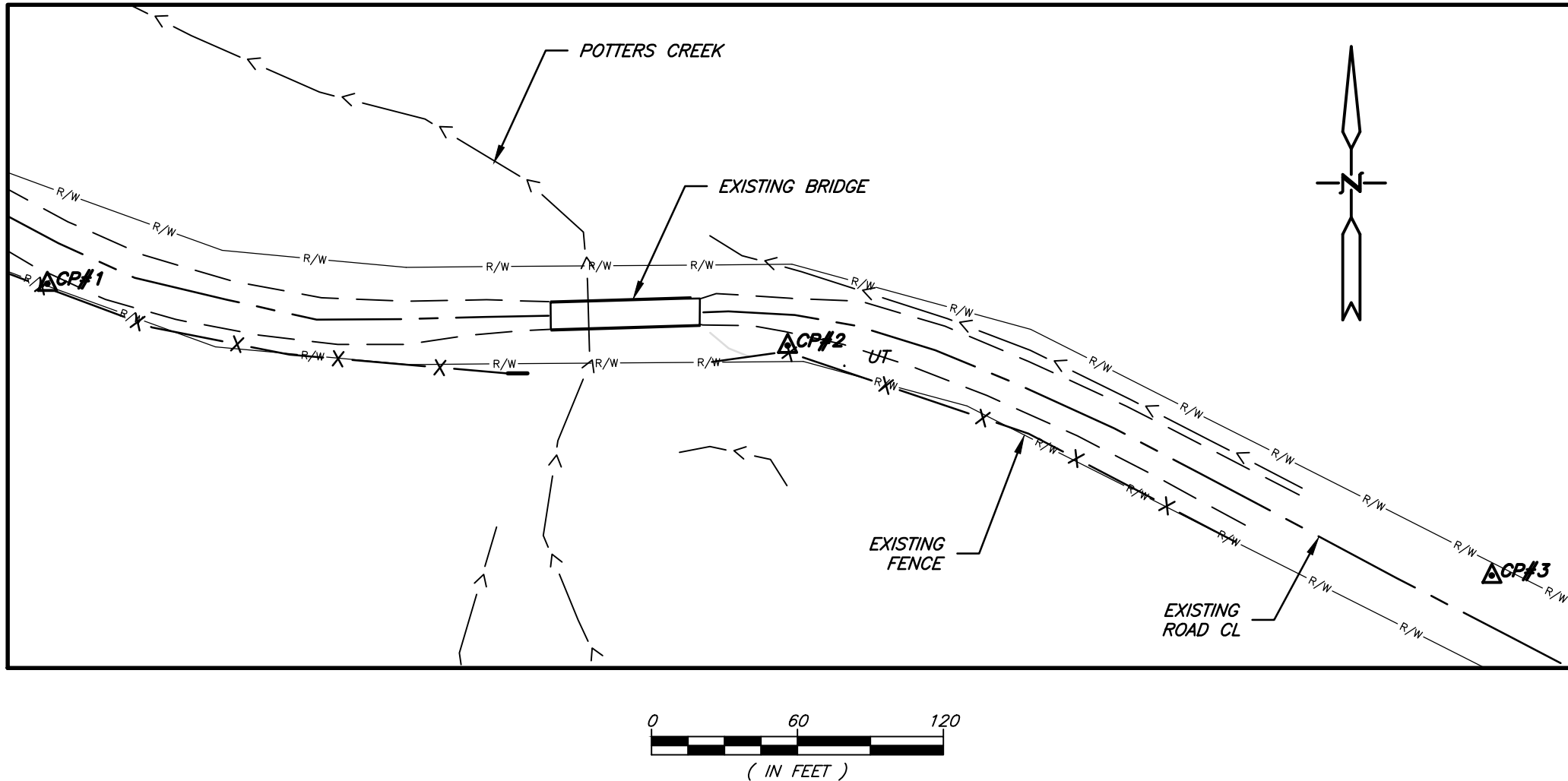
ESTIMATED EARTHWORK QUANTITIES:

- VOLUME AS SHOWN INCLUDES CONCRETE OR ROCK SURFACE INCLUDING RIP-RAP. FINAL BID QUANTITY HAS BEEN ADJUSTED TO COMPENSATE. QUANTITIES SHOWN IN CROSS SECTIONS INCLUDE VALUES TO FINISHED SURFACE CALCULATED BY THE END AREA METHOD. THE VALUES SHOWN IN BID QUANTITIES ARE BASED ON FINAL 3-D SURFACE MODEL TO SUBGRADE.

CONTROL POINTS

- △CP#1 SET 5/8" REBAR WITH STAMPED CAP
NORTHING=474567.11
EASTING=365545.66
ELEV.=1233.23
- △CP#2 SET 5/8" REBAR WITH STAMPED CAP
NORTHING=474541.65
EASTING=365850.06
ELEV.=1234.49
- △CP#3 SET 5/8" REBAR WITH STAMPED CAP
NORTHING=474447.02
EASTING=366139.60
ELEV.=1242.58

CONTROL MAP



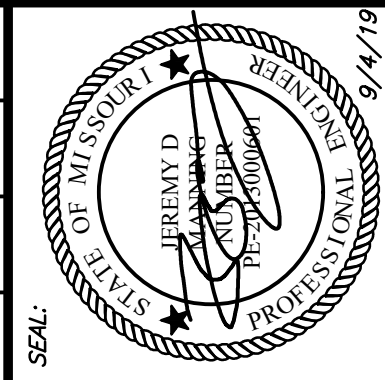
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SW	MO	BRO-B107(009)	2019	2	13

SEC 8 T28N, R10W

BRIDGE NO. 2040018

QUANTITIES

ITEM	DESCRIPTION	UNITS	QTY
Roadway Items			
1	CLEARING AND GRUBBING	AC	0.2
2	CONSRUCTION SIGNS	EA	4.0
3	TYPE III BARRICADE	EA	6.0
4	EMBANKMENT IN PLACE	CY	116.0
5	CLASS A EXCAVATION	CY	200.0
6	GRAVEL SURFACING (B), 6" THICK	SY	677.0
7	ROCK DITCH CHECKS	LF	12.0
8	TYPE C BERM	LF	169.0
9	SILT FENCE	LF	514.0
10	SEEDING AND MULCHING	AC	0.2
11	PIPE FENCE TERMINAL SECTION	EA	2.0
Bridge Items			
12	MOBILIZATION	LS	1.0
13	REMOVAL OF BRIDGE	LS	1.0
14	CLASS 1 EXCAVATION	CY	260.0
15	TYPE 5 COMPACTED GRANULAR FILL	CY	76.0
16	SEPERATION GEOTEXTILE	SY	300.0
17	FURNISHING HEAVY REVETMENT	CY	154.0
18	PLACING HEAVY REVETMENT	CY	154.0
19	CLASS B-1 CONCRETE (Substructure)	CY	74.0
20	CLASS B-2 CONCRETE (Superstructure Concrete on Box Girden)	SY	202.0
21	PRESTRESSED CONCRETE BOX BEAM (33" X 36"X48" X 68'-0")	SF	1768.0
22	HP 14 X 73 STRUCTURAL STEEL PILE	LF	186.0
23	PILE POINT REINFORCEMENT	EA	12.0
24	REINFORCING STEEL	LB	6230.4
25	CONCRETE BARRIER	LF	180.0
26	TYPE III OBJECT MARKER	EA	4.0



JEREMY D. MANNING
MO# PE-2013000601
S.H. SMITH & COMPANY
CERT.# E-616-D

NO.	REVISIONS	DATE	BY	APP.
1	REVISED QUANTITIES	4/13/20	JDM	

DATE: N/A	DATE: 9/19
SURVEYED BY: N/A	DESIGNED BY: JDM
CHECKED BY: JDM	DRAWN BY: JDM
FIELD BOOK: N/A	

SMITH&CO. ENGINEERS
AN EMPLOYEE OWNED COMPANY
901 VINE STREET, P.O. BOX 72
POPLAR BLUFF, MISSOURI 63802
PHONE: (673) 785-9821 FAX: (673) 785-2461
WWW.SMITHCO.COM SURVEYING • ENGINEERING • ENVIRONMENTAL & GEOTECHNICAL SERVICES • MATERIAL TESTING

BRIDGE REPLACEMENT ON AIRPORT ROAD
TEXAS COUNTY, MISSOURI

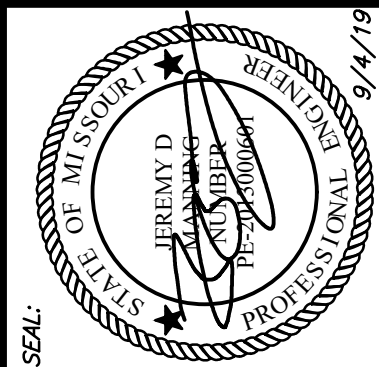
LEGEND & NOTES

PROJECT #: P1900012

SHEET: 2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SW	MO	BRO-B107(009)	2019	4	13

SEC 8 T28N, R10W
BRIDGE NO. 2040018

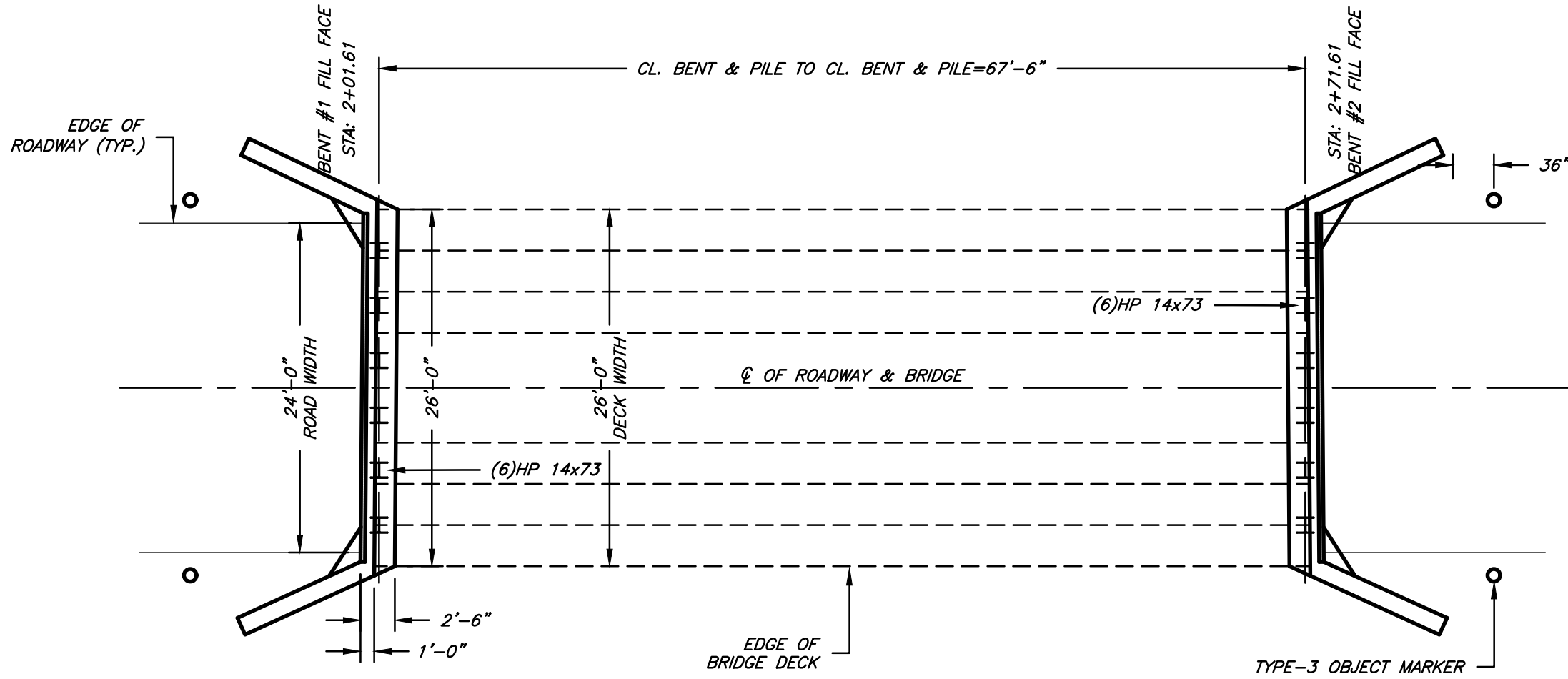


JEREMY D. MANNING
MO# PE-2013000601
S.H. SMITH & COMPANY
CERT.# E-616-D

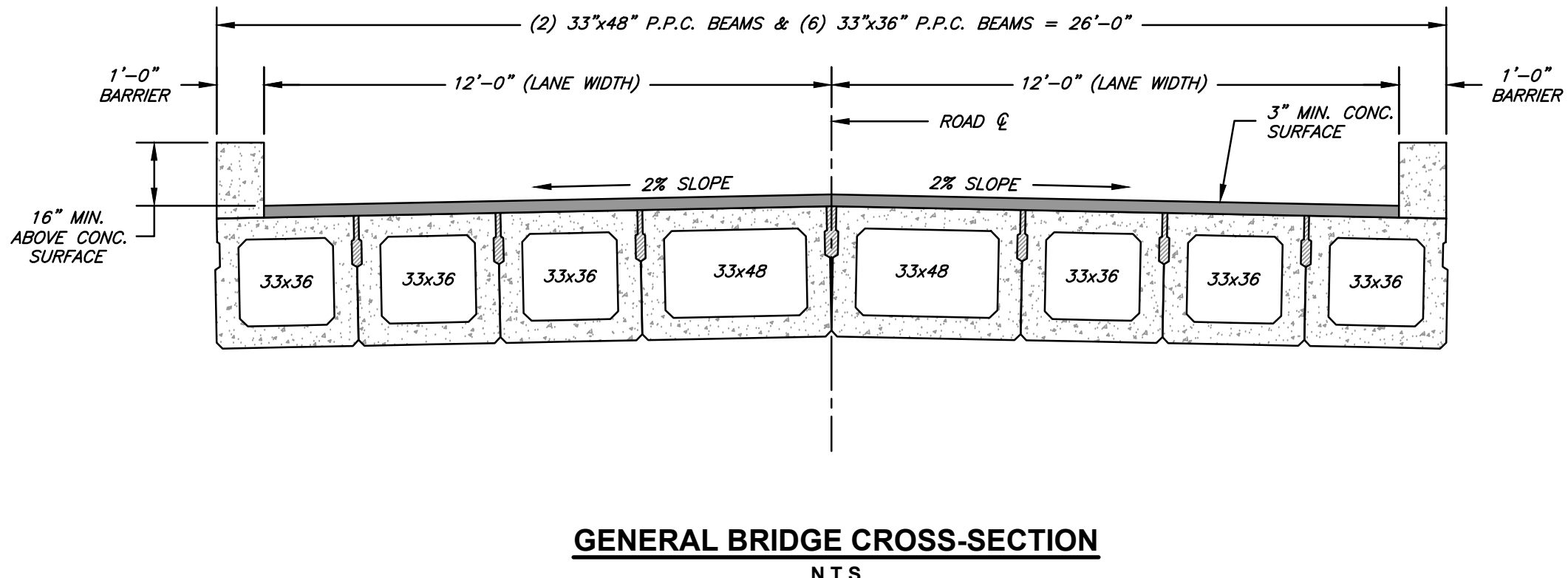
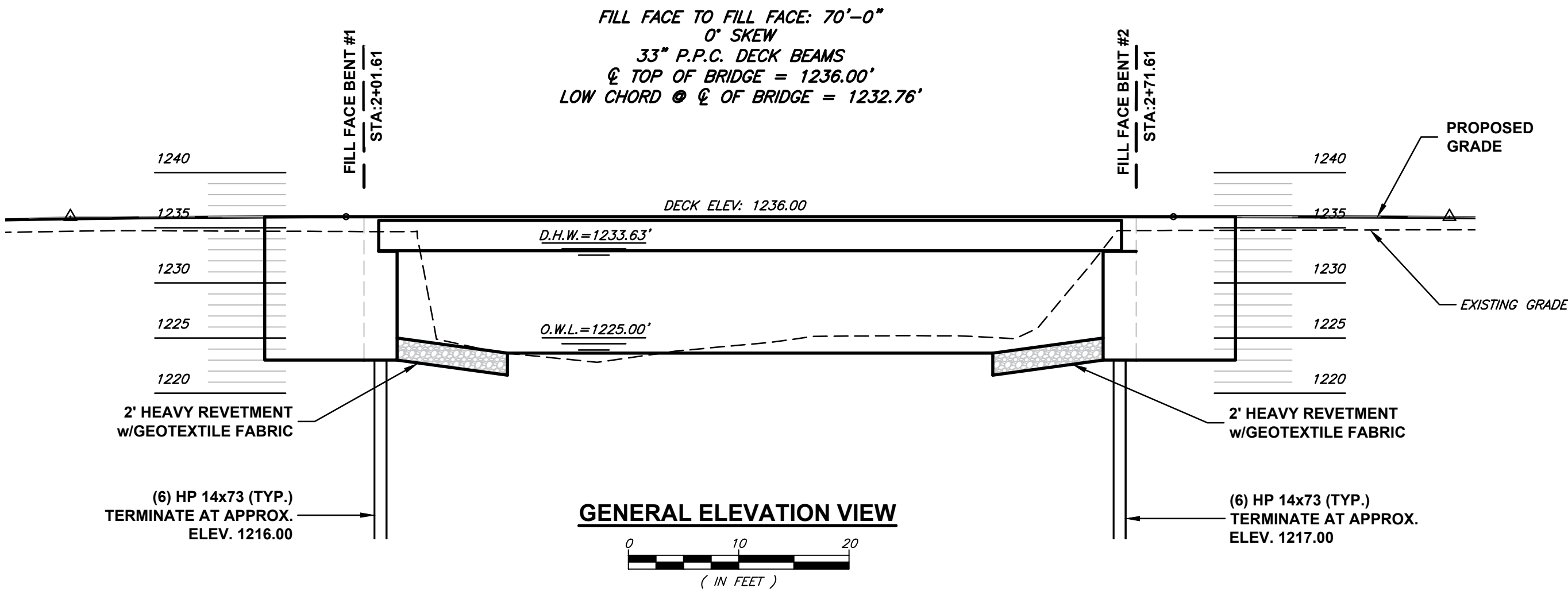
NO.	REVISIONS	DATE	BY	APP.
1	REVISED TYPE ON GENERAL PLAN VIEW	4/1/20	JDM	

SURVEYED BY: N/A	DATE: N/A
DESIGNED BY: JDM	DATE: 9/19
DRAWN BY: JDM	DATE: 9/19
CHECKED BY: JDM	DATE: 9/19
FIELD BOOK: N/A	

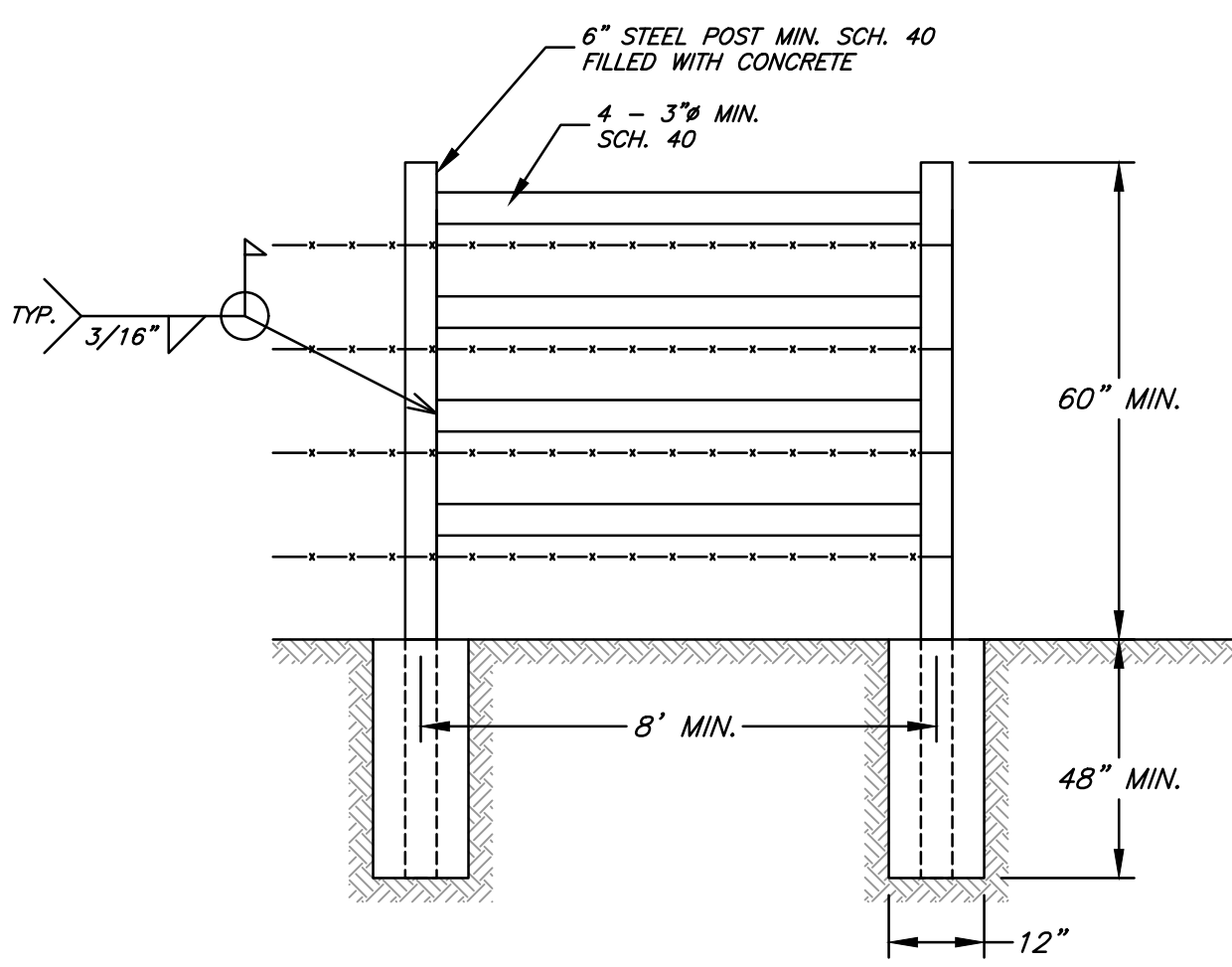
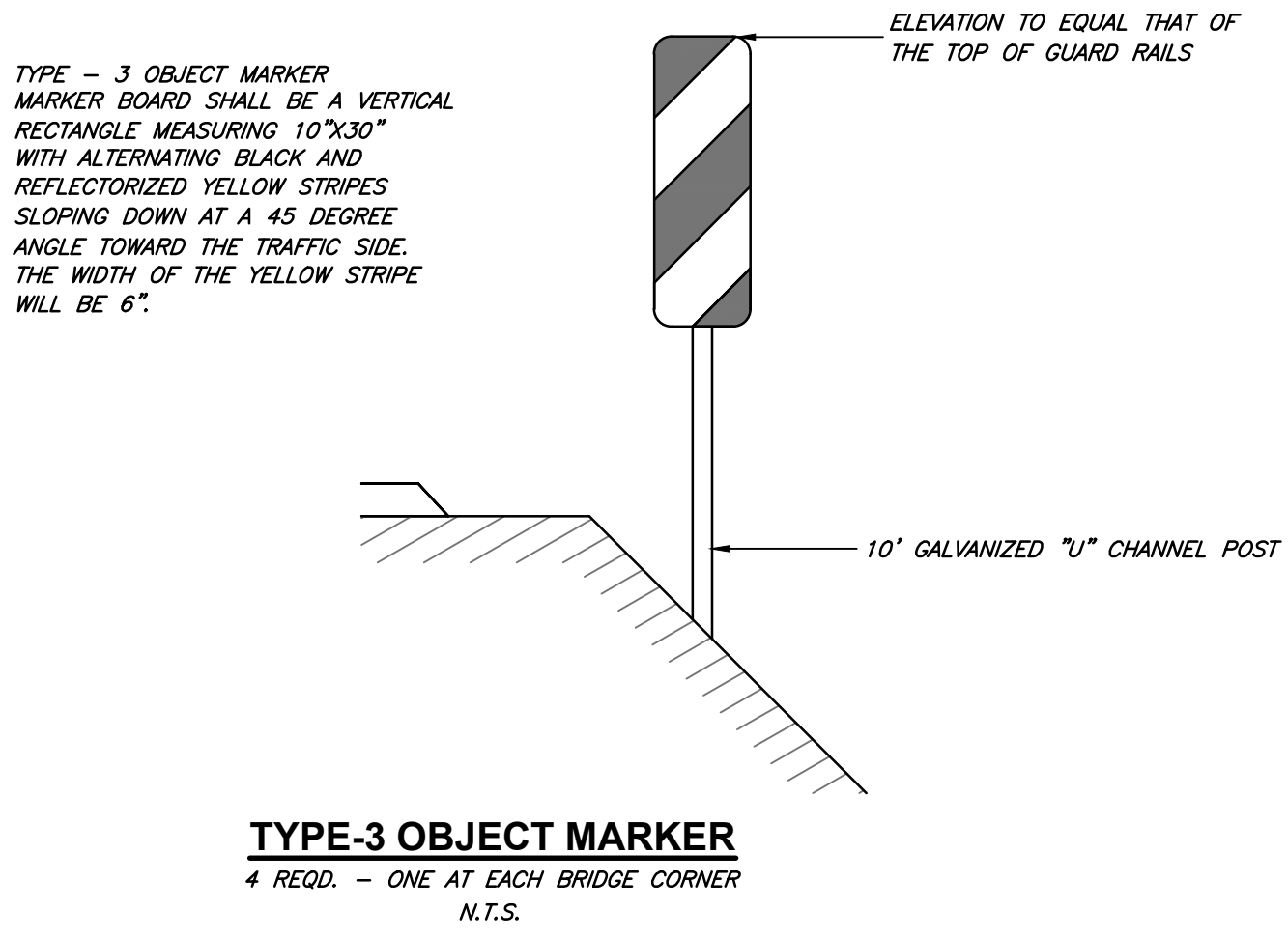
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GENERAL PLAN VIEW
0 10 20
(IN FEET)



- NOTES**
1. BARRIER WALL DETAILS SHOWN ON SHEET 12.
 2. GROUT INCIDENTAL TO BEAM PAY ITEM.



- NOTE:**
1. EXACT LOCATION TO BE VERIFIED W/ ENGINEER AND LANDOWNER PRIOR TO CONSTRUCTION
 2. CORNER SECTION ON WEST SIDE OF CREEK TO CONSIST OF 2-WAY CORNER FOR DUAL DIRECTION FENCE. CONTRACTOR TO VERIFY PLACEMENT W/ ENGINEER PRIOR TO CONSTRUCTION.

