

MUSCOGEE (CREEK) NATION



PLANS FOR ASH ROAD BRIDGE

BRIDGE NUMBER 07248

BRIDGE AND DRAINAGE IMPROVEMENTS

OKMULGEE COUNTY

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SURVEY CONTROL DATA
 1. HORIZONTAL CONTROL FOR THIS SURVEY IS THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM NAD 83, LAMBERT PROJECTION (SOUTHZONE).
 2. VERTICAL CONTROL IS LEVEL DATUM NAVD 88.

DESIGN DATA

ADT 2016 = 780
 ADT 2036 = 1058
 V = 30 mph

VERTICAL CURVATURE
 (K VALUES)
 CREST = 10 (MIN)
 SAG = 33 (MIN)

HORIZONTAL CURVATURE
 (RADIUS)
 RADIUS = N/A

MAXIMUM GRADE
 ROLLING TERRAIN = 7%

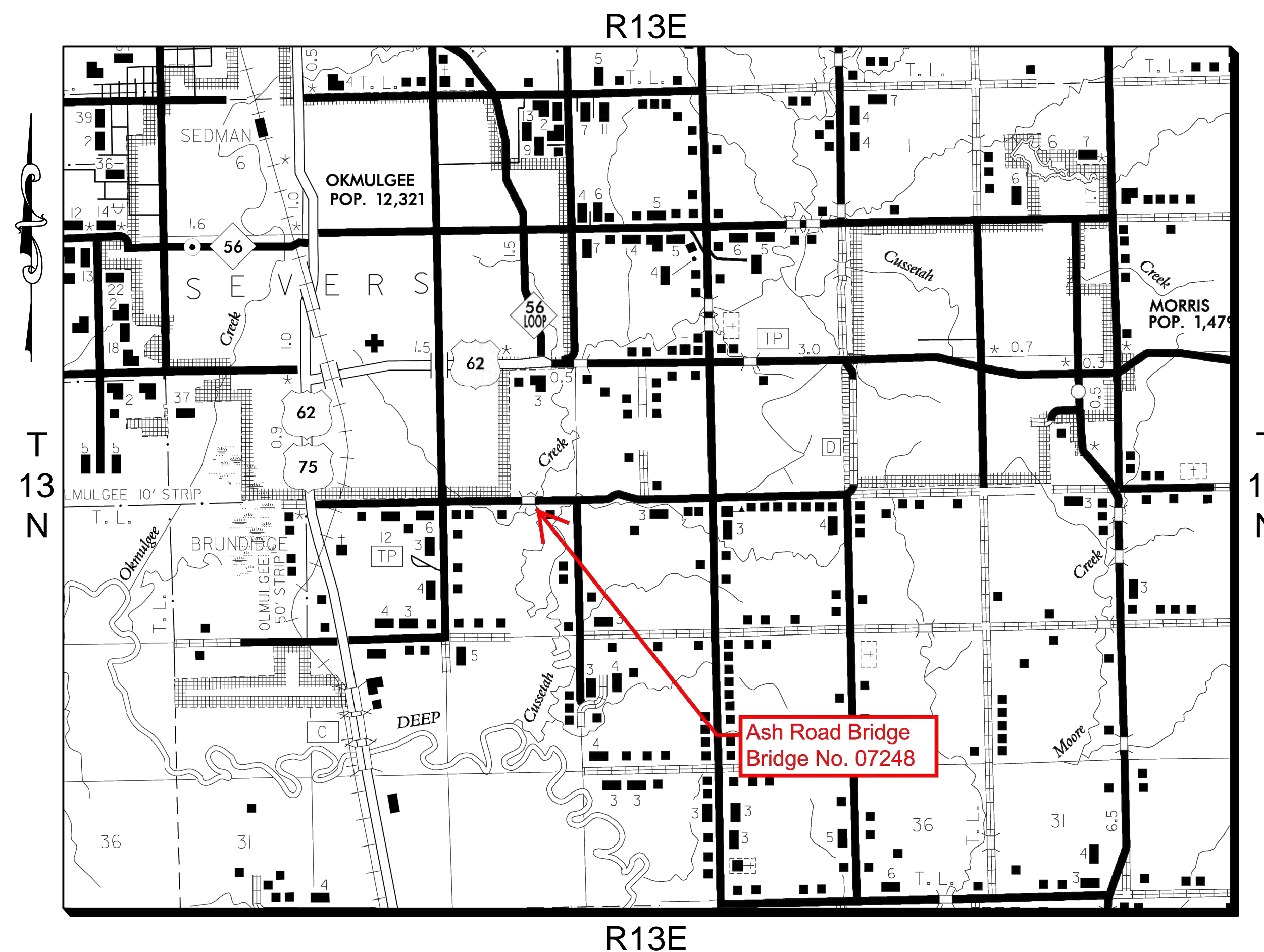
EXCEPTIONS
 NONE

SCALES

PLAN 1"=50'
 PROFILE HOR. 1"=50'
 VER. 1"=5'
 LAYOUT MAP NTS

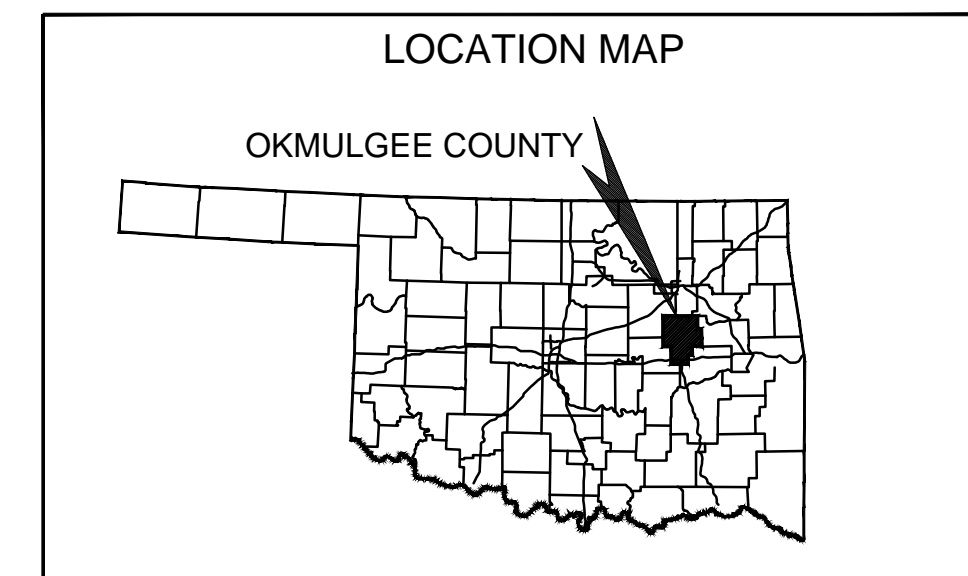
CONVENTIONAL SYMBOLS

— X — X —	EXISTING FENCE
— OHP — OHP —	OVERHEAD POWER LINE
— W — W —	WATER LINE
— — — — —	RIGHT OF WAY LINE (EXISTING)
— R/W — — — —	RIGHT-OF-WAY LINE (NEW)
— · · · — · · · —	TOE SLOPE/TOP CUT LINE
⊕	POWER POLE
⊕*	POWER POLE W/LIGHT
⊕	TELEPHONE PEDESTAL
⊕	WATER VALVE
⊕	WATER METER
⊕	MAILBOX
⊕	ELECTRICAL BOX
⊕	TELEPHONE UNDER GROUND
⊕	TREE
⊕	SIGN
⊕	UTILITY MARKER



THE FOLLOWING 2009 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARDS ARE REQUIRED TO CONSTRUCT THIS PROJECT:

SSS-1 01	TCS7-1 02
TSC2-3 02	TCS8-1 00
TSB-2 00	TCS9-1 01
SBI-4 02	TCS10-1 00
RWF2-2 01	TCS11-1 01
RCB-C3-20(2-8)	TCS13-1 00
PM3-1 02	TCS14-1 00
SKT-1 00	TCS15-1 00
GHW1-1 00	
GHW2-1 00	
TCS1-1 01	
TCS2-1 00	
TCS4-1 01	
TCS5-1 00	
TCS6-1 02	



UTILITY CONTACTS

ELECTRIC
 PSO
 MARK TUGGLO
 PH: 918-758-2313

PHONE, INTERNET, CABLE
 AT&T
 FRANK SKEPIEN
 PH: 918-596-6815

WATER
 CITY OF OKMULGEE
 PH: 918-756-4159

GAS
 OKLAHOMA NATURAL GAS
 PH: 918-756-6116

DESIGN INFORMATION
 ROADWAY LENGTH 800 FT. 0.15 MI

PROJECT IS BASED ON Q SURVEY



LOCATIONS OF UNDERGROUND UTILITIES WERE OBTAINED FROM THE UTILITY OWNERS. BEFORE DOING ANY WORK WITH HEAVY EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNERS OR "CALL OKIE (OKLAHOMA ONE-CALL)" NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES.

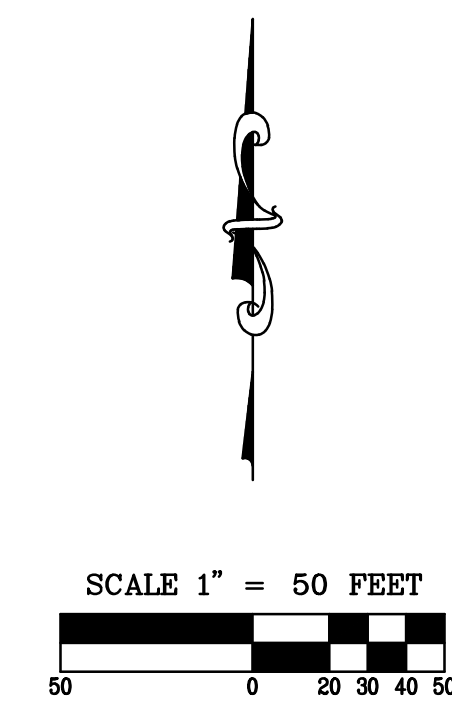


ENGINEERING PROVIDED BY:

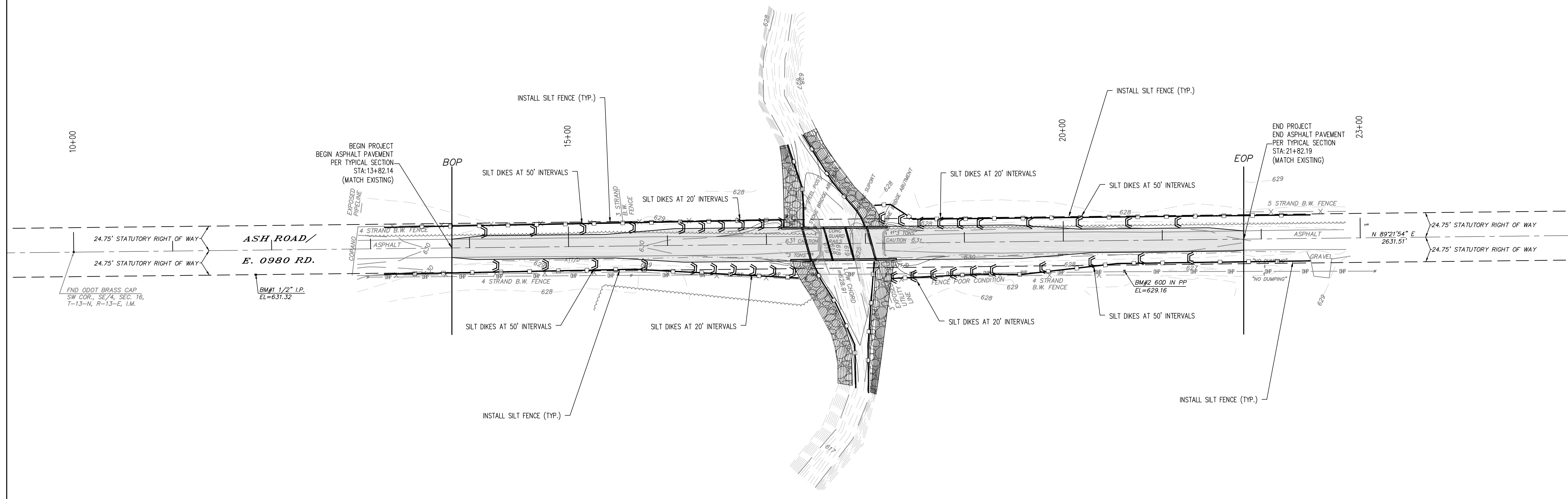
CROSS TIMBERS CONSULTING, LLC.
 P.O. BOX 567
 GUTHRIE, OK 73044
 CA#6859 EXPIRES JUNE 30, 2018

RANDAL K. OBERLAG, P.E.
 OKLAHOMA PE # 20798

2009 OKLAHOMA STANDARD SPECIFICATIONS AND ROADWAY DESIGN STANDARD DRAWINGS (ENGLISH UNITS) SHALL GOVERN.



EROSION CONTROL PLAN
 ASH ROAD BRIDGE
 SECT 16&21, T-13-N, R-13-E
 OKMULGEE COUNTY, OKLAHOMA



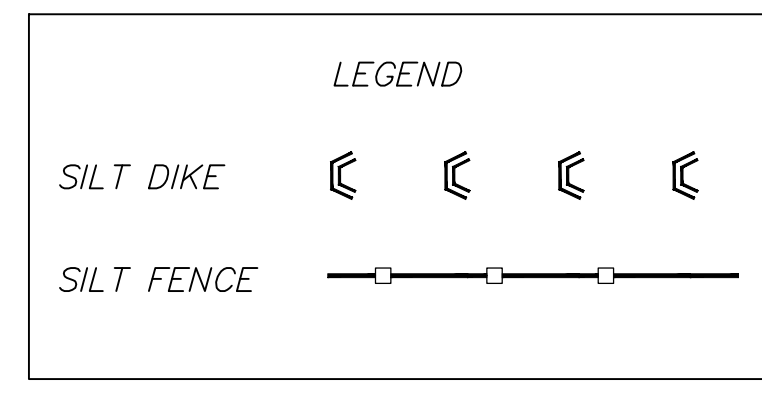
OKLAHOMA STATE PLANE COORDINATE SYSTEM, OKLAHOMA NORTH ZONE
 HORIZONTAL DATUM: NAD 83
 VERTICAL DATUM: NAVD 88

BENCHMARK # 1 ELEVATION = 631.32
 1/2" I.P., 600' WEST OF CENTERLINE BRIDGE,
 24.8' SOUTH OF CENTERLINE ASH ROAD.

BENCHMARK # 2 ELEVATION = 629.16
 600 NAIL IN 2ND POWER POLE EAST OF BRIDGE,
 SOUTH SIDE OF ASH ROAD.

WORK ROAD NOTE:
 ALL HEAVY EQUIPMENT USED IN THE PROJECT AREA SHOULD BE STEAM CLEANED BEFORE THE START OF THE PROJECT AND INSPECTED DAILY FOR LEAKS. NO LEAKING EQUIPMENT MAY BE USED IN OR NEAR SURFACE WATER OR IN THE WETLAND AREA. A WRITTEN INSPECTION LOG SHALL BE RECORDED DAILY AND MADE AVAILABLE TO THE TRIBAL PROJECT MANAGER.

TEMPORARY EROSION CONTROL:
 EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO EXCAVATION AS REQUIRED BY THE EROSION CONTROL PLAN. WORK PERFORMED FOR INSTALLATION, MAINTENANCE, REMOVAL OR REPLACEMENT SHALL BE DOCUMENTED ON THE EROSION CONTROL PLAN FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL SUBMIT A COPY OF THE EROSION CONTROL PLAN SHEET WITH EACH PAY ESTIMATE, ANNOTATED/RED LINED TO SHOW THE EROSION CONTROL DEVICES THAT HAVE BEEN INSTALLED AND ARE BEING MAINTAINED. PRICE BID TO INCLUDE COST TO REPAIR, MAINTAIN, REMOVAL AND RESTORATION OF ERODED SLOPES AS NECESSARY.



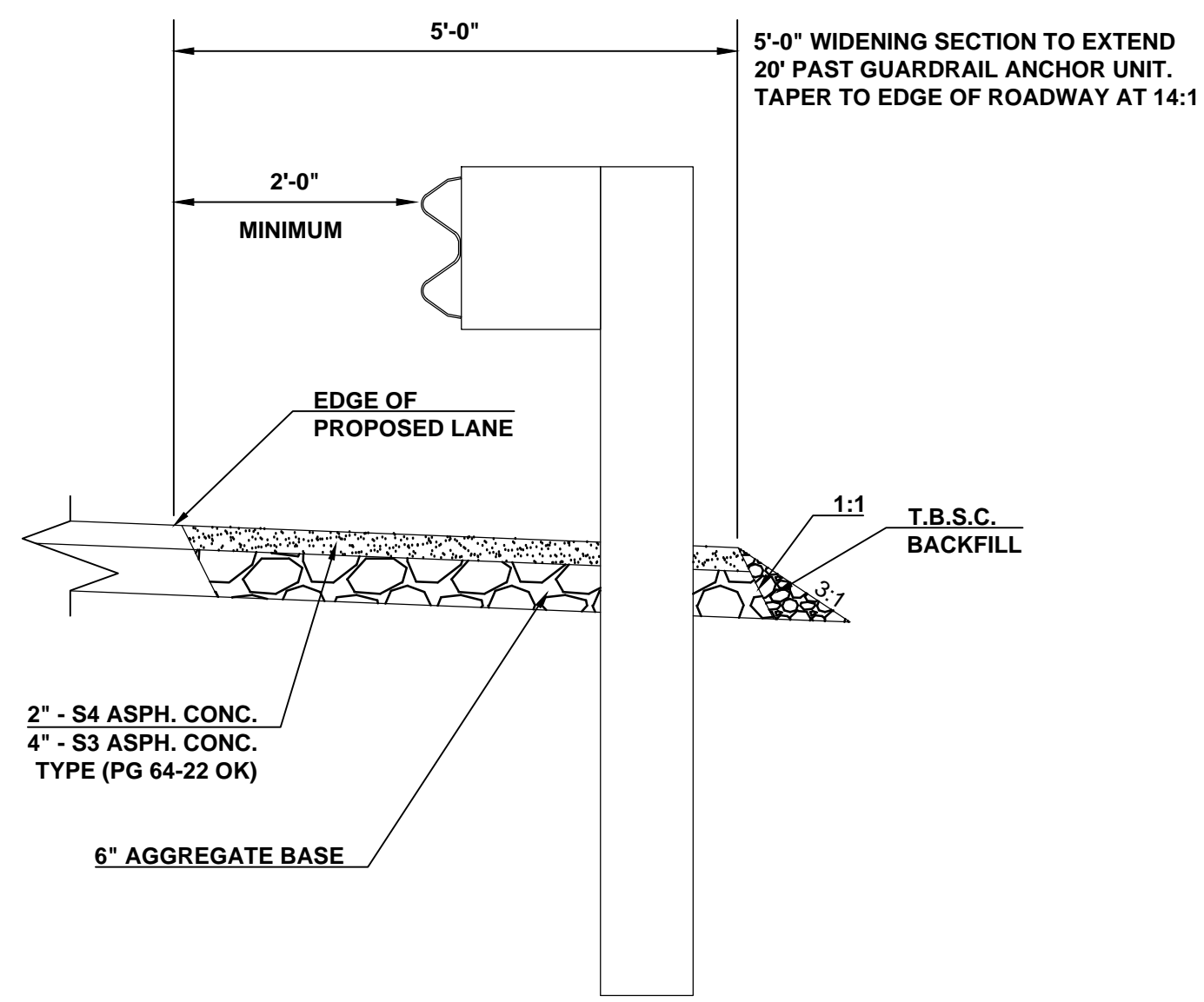
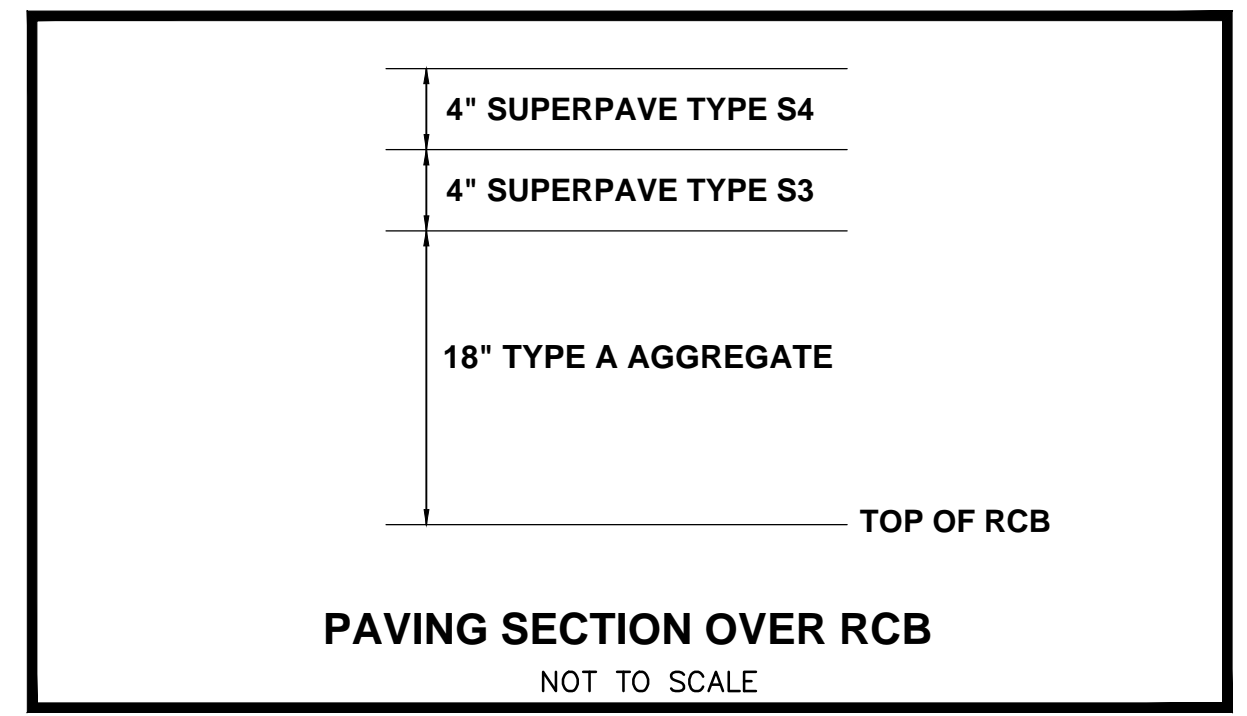
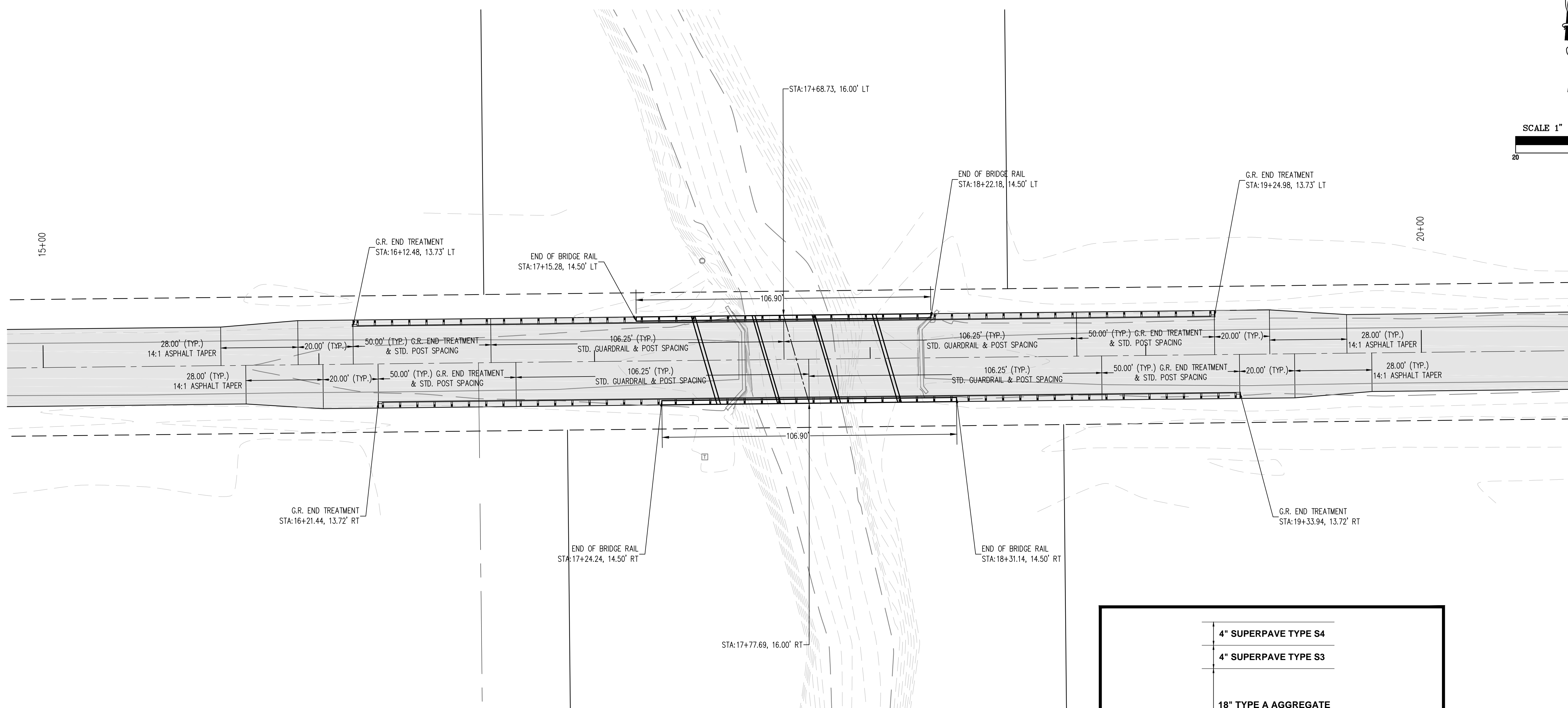
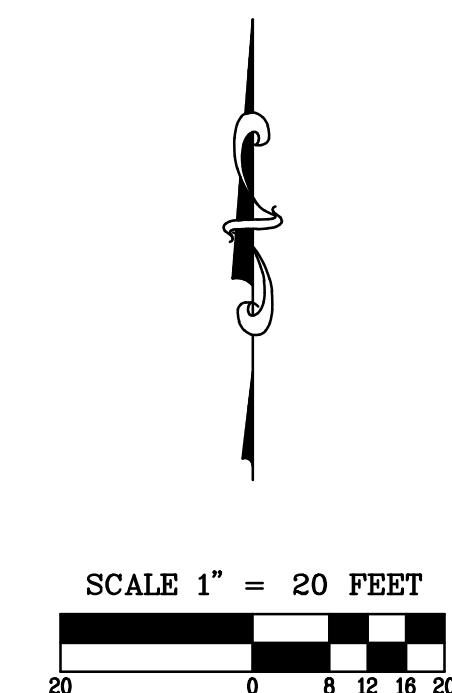
CROSS TIMBERS CONSULTING, LLC
 P.O. BOX 957
 Guthrie, Oklahoma, 73044 Phone: (405) 969-2862

NO.	DATE	REVISIONS DESCRIPTION

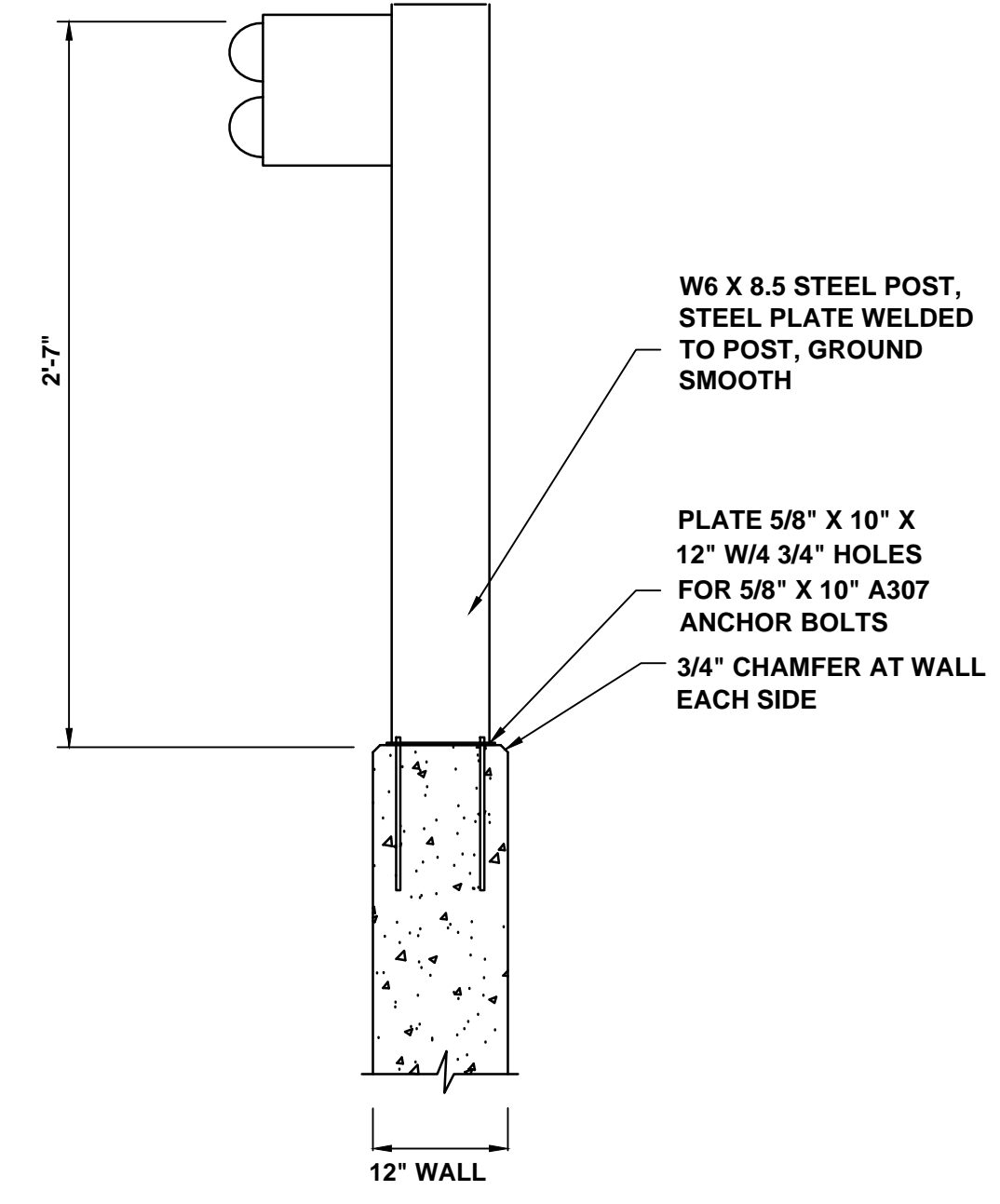
Drawn By: D.J.M, TE
 Date: OCTOBER 19, 2017

PROJECT MCN-050

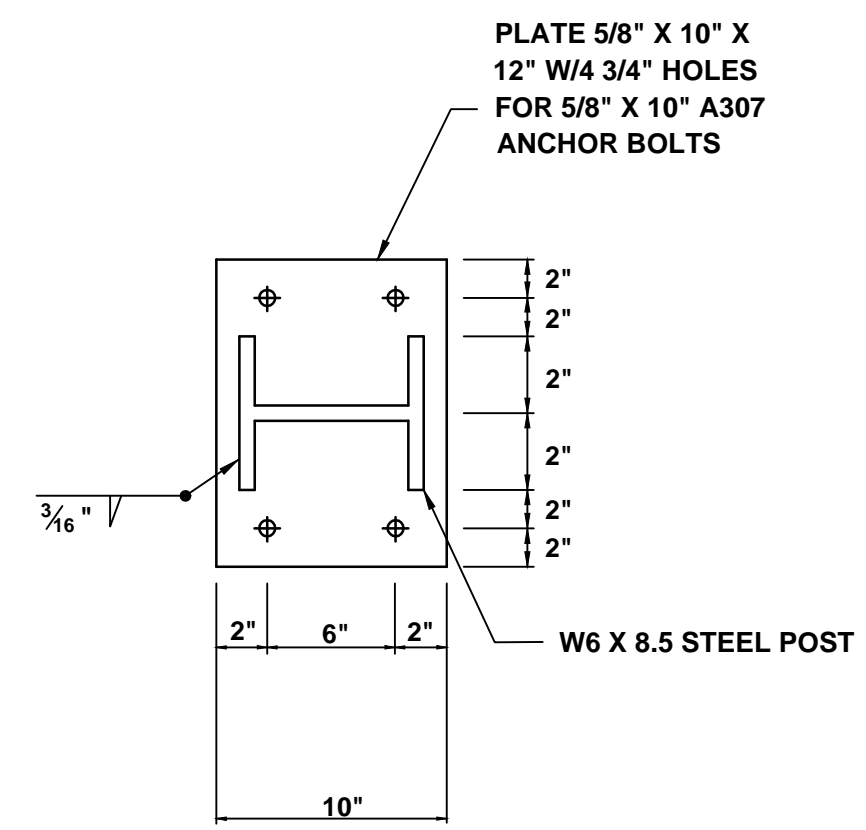
CROSS TIMBERS DRAWING FILEMCN-050 ERO CONTROL.dwg



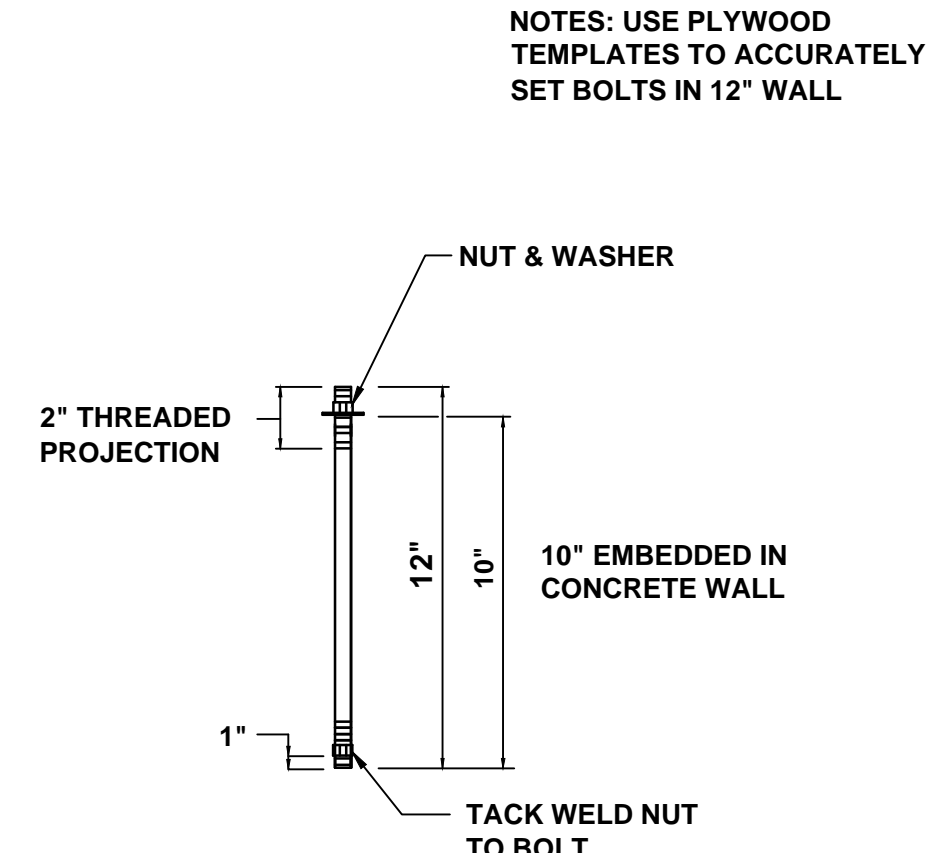
GUARDRAIL WIDENING DETAIL
NOT TO SCALE
SEE ODOT STD. GRH1-1 FOR ADDITIONAL INFORMATION



GUARDRAIL DETAIL AT HEADWALL
NOT TO SCALE



PLAN-BASE PLATE FOR GUARDRAIL POST
NOT TO SCALE



5/8" A307 BOLTS

NOTES: USE PLYWOOD TEMPLATES TO ACCURATELY SET BOLTS IN 12" WALL

GUARDRAIL LAYOUT
ASH ROAD BRIDGE
SECT 16&21, T-13-N, R-13-E
OKMULGEE COUNTY, OKLAHOMA

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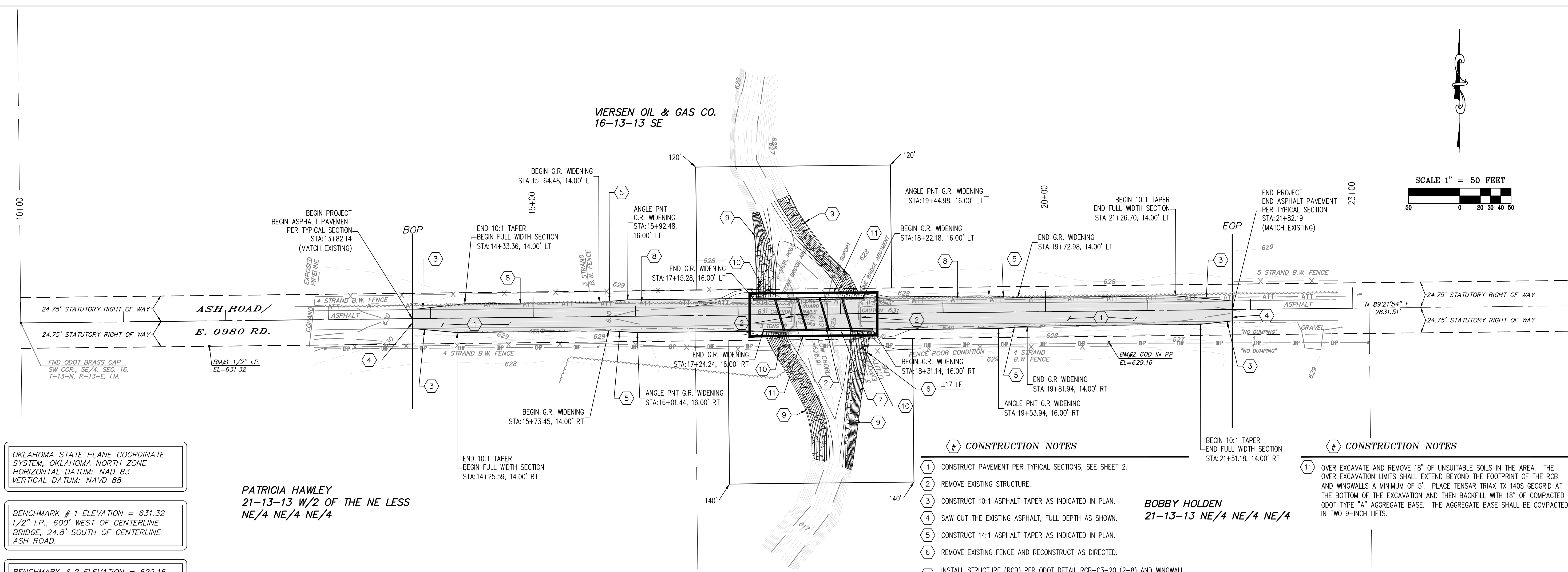
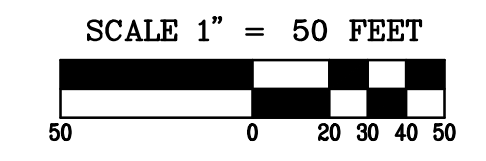
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Date: OCTOBER 19, 2017

PROJECT MCN-050

CROSS TIMBERS DRAWING FILE:2800 ASH ROAD BRIDGE.dwg

ROADWAY PLAN AND PROFILE
ASH ROAD BRIDGE
SECT 16&21, T-13-N, R-13-E
OKMULGEE COUNTY, OKLAHOMA



OKLAHOMA STATE PLANE COORDINATE SYSTEM, OKLAHOMA NORTH ZONE
 HORIZONTAL DATUM: NAD 83
 VERTICAL DATUM: NAVD 88

BENCHMARK # 1 ELEVATION = 631.32
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BENCHMARK # 2 ELEVATION = 629.16
 600 NAIL IN 2ND POWER POLE EAST OF BRIDGE, SOUTH SIDE OF ASH ROAD.

PATRICIA HAWLEY
 21-13-13 W/2 OF THE NE LESS
 NE/4 NE/4 NE/4

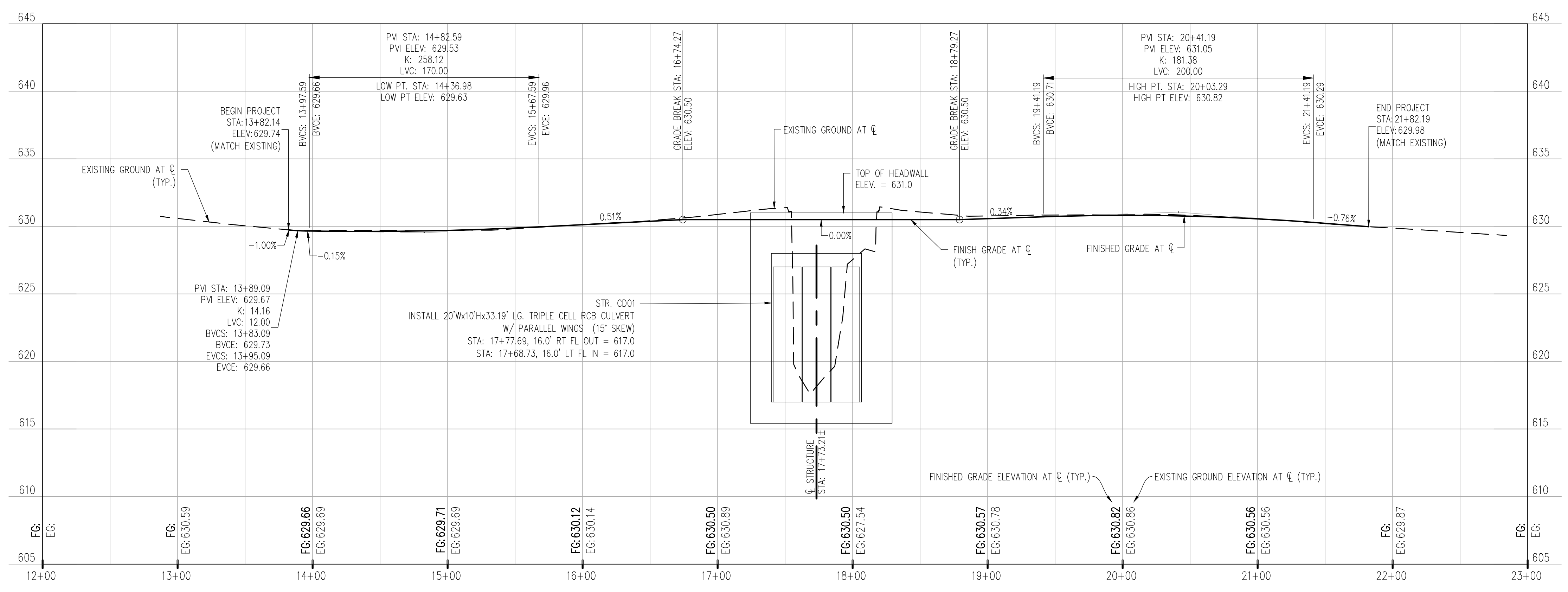
BOBBY HOLDEN
 21-13-13 NE/4 NE/4 NE/4

CONSTRUCTION NOTES

- 1 CONSTRUCT PAVEMENT PER TYPICAL SECTIONS, SEE SHEET 2.
- 2 REMOVE EXISTING STRUCTURE.
- 3 CONSTRUCT 10:1 ASPHALT TAPER AS INDICATED IN PLAN.
- 4 SAW CUT THE EXISTING ASPHALT, FULL DEPTH AS SHOWN.
- 5 CONSTRUCT 14:1 ASPHALT TAPER AS INDICATED IN PLAN.
- 6 REMOVE EXISTING FENCE AND RECONSTRUCT AS DIRECTED.
- 7 INSTALL STRUCTURE (RCB) PER ODOT DETAIL RCB-C3-20 (2-8) AND WINGWALL DETAIL SHEET, REFER TO CROSS SECTION AND PROFILE FOR BOX DATA.
- 8 REMOVE VEGETATION AS NEEDED, COORDINATE WITH PROPERTY OWNER.
- 9 INSTALL TYPE 1-PLAIN (18" DIAM.) RIP RAP AS SHOWN.
- 10 REMOVE EXISTING UTILITY, COORDINATE WITH UTILITY PROVIDER.

CONSTRUCTION NOTES

- 11 OVER EXCAVATE AND REMOVE 18" OF UNSUITABLE SOILS IN THE AREA. THE OVER EXCAVATION LIMITS SHALL EXTEND BEYOND THE FOOTPRINT OF THE RCB AND WINGWALLS A MINIMUM OF 5'. PLACE TENSAR TRIAX TX 140S GEOGRID AT THE BOTTOM OF THE EXCAVATION AND THEN BACKFILL WITH 18" OF COMPACTED ODOT TYPE "A" AGGREGATE BASE. THE AGGREGATE BASE SHALL BE COMPACTED IN TWO 9-INCH LIFTS.



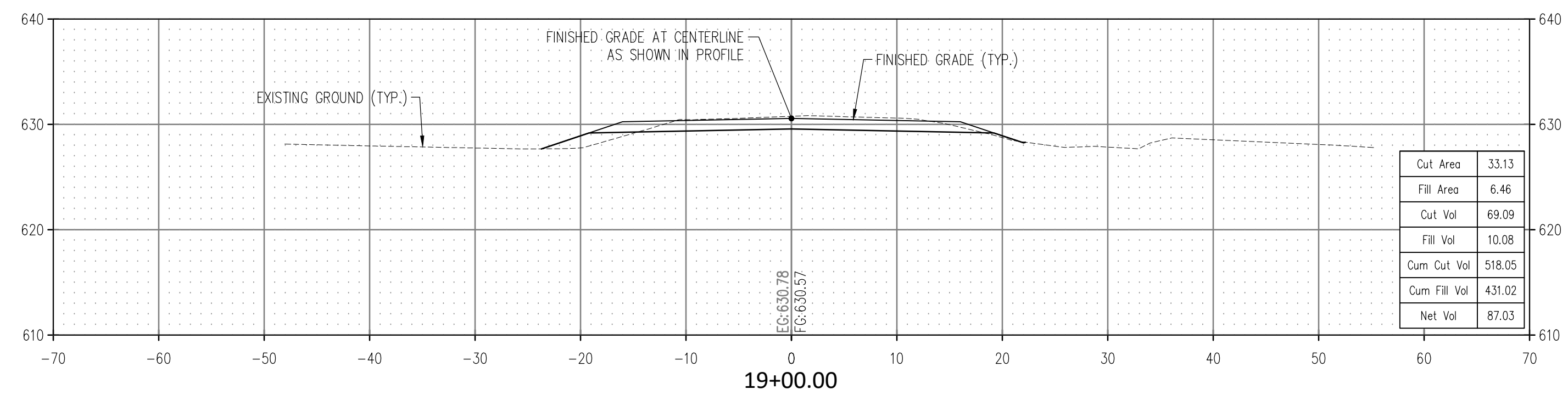
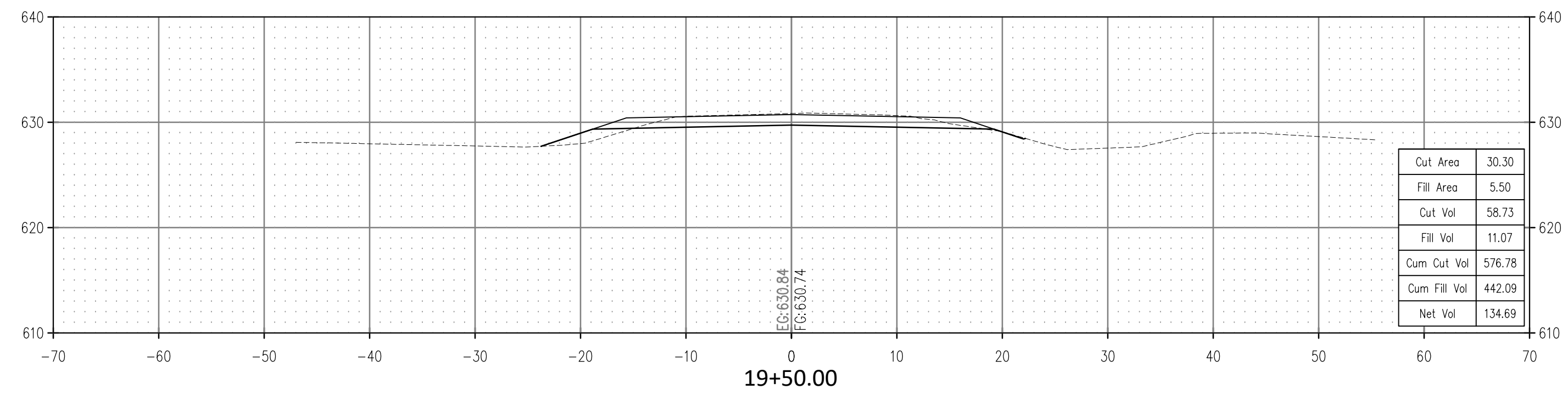
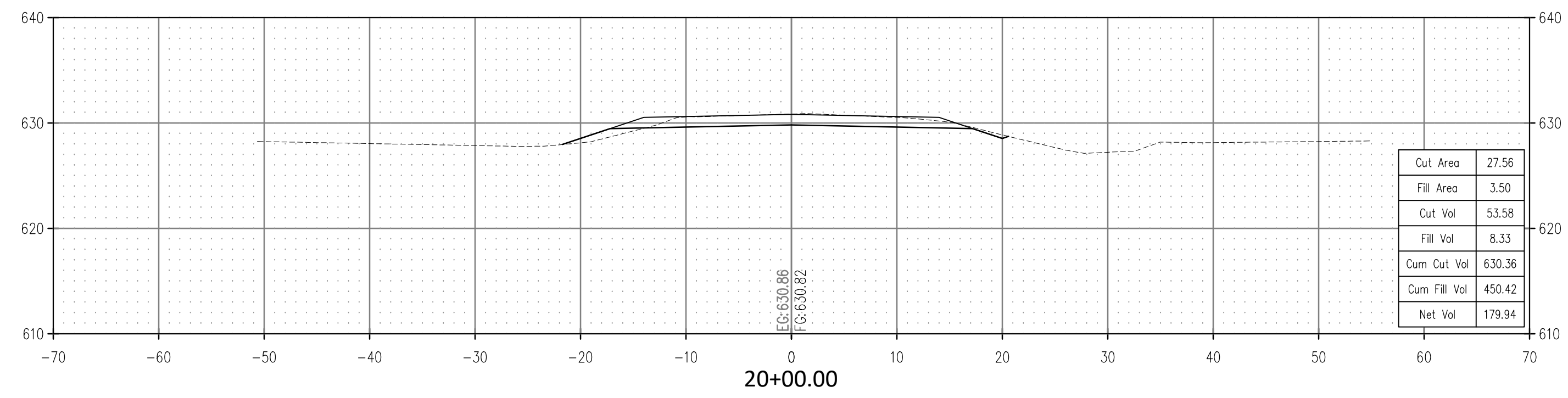
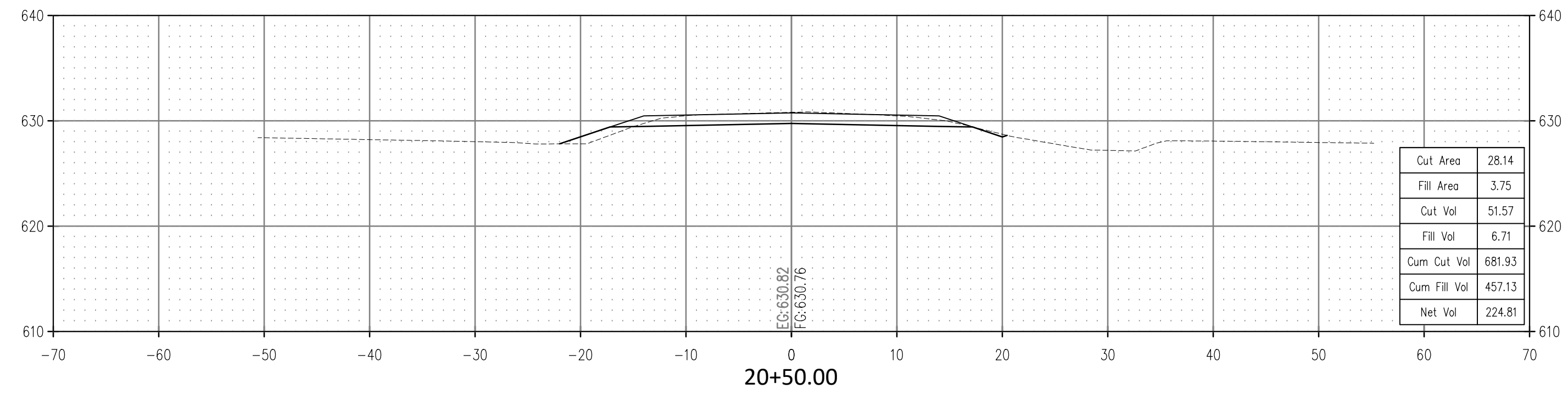
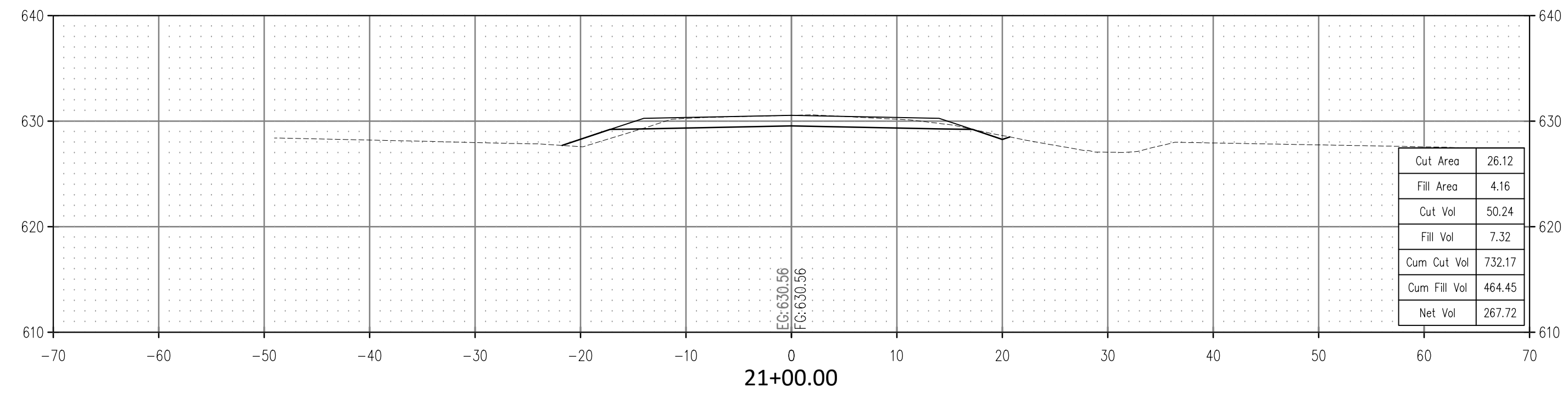
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Drawn By: D.J.M., TE
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PROJECT MCN-050

SCALE:
 HOR. 1" = 10'
 VERT. 1" = 10'



CROSS TIMBERS DRAWING FILE 2008 ASH ROAD BRIDGE

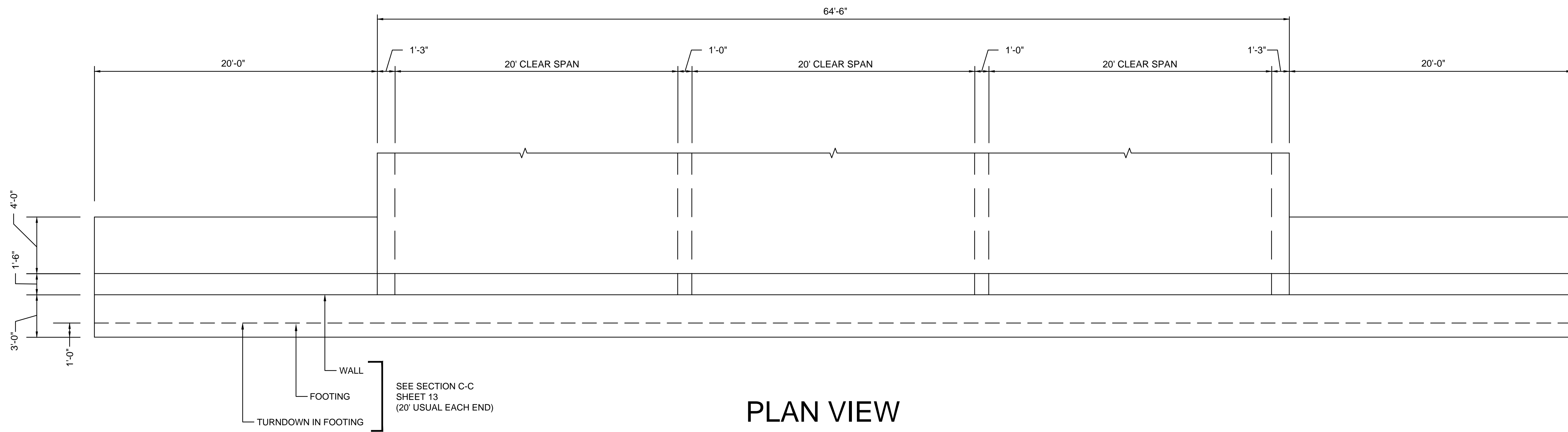
ROAD CROSS SECTIONS
 ASH ROAD BRIDGE
 SECT 16&21, T-13-N, R-13-E
 OKMULGEE COUNTY, OKLAHOMA

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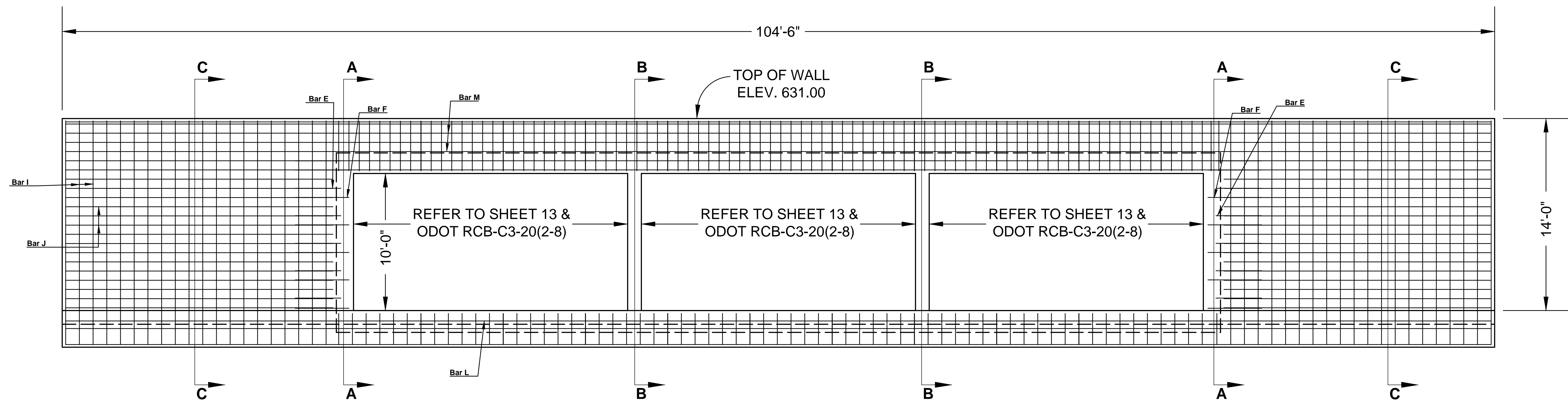
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PROJECT MCN-050



PLAN VIEW
TRIPLE CELL 20' X 10' RCB WITH
PARALLEL WINGWALL



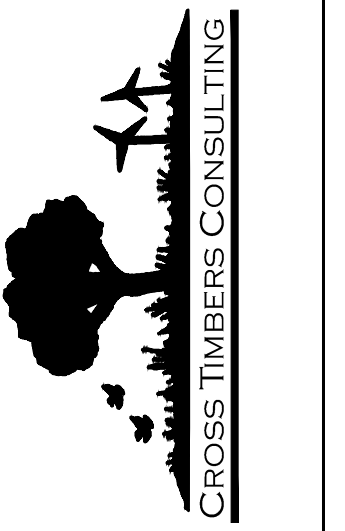
PROFILE VIEW
TRIPLE CELL 20' X 10' RCB WITH
PARALLEL WINGWALL

SEE SHEET 13 FOR DETAILS OF SECTION CUTS INDICATED ON THE SHEET.

NOTE: COMPLY WITH ALL REQUIREMENTS OF GEOTECH REPORT FOR THIS PROJECT. REQUIRES UNDERCUTTING 18" AND PLACEMENT OF GEOGRID AND TWO 9" COMPACTED LIFTS OF ODOT TYPE A AGGREGATE.

PARALLEL WINGWALL DETAIL
 ASH ROAD BRIDGE
 SECT 16&&21, T-13-N, R-13-E
 OKMULGEE COUNTY, OKLAHOMA

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