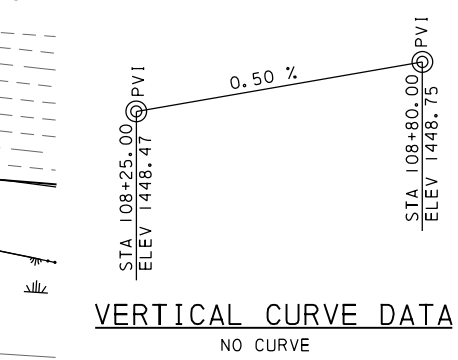
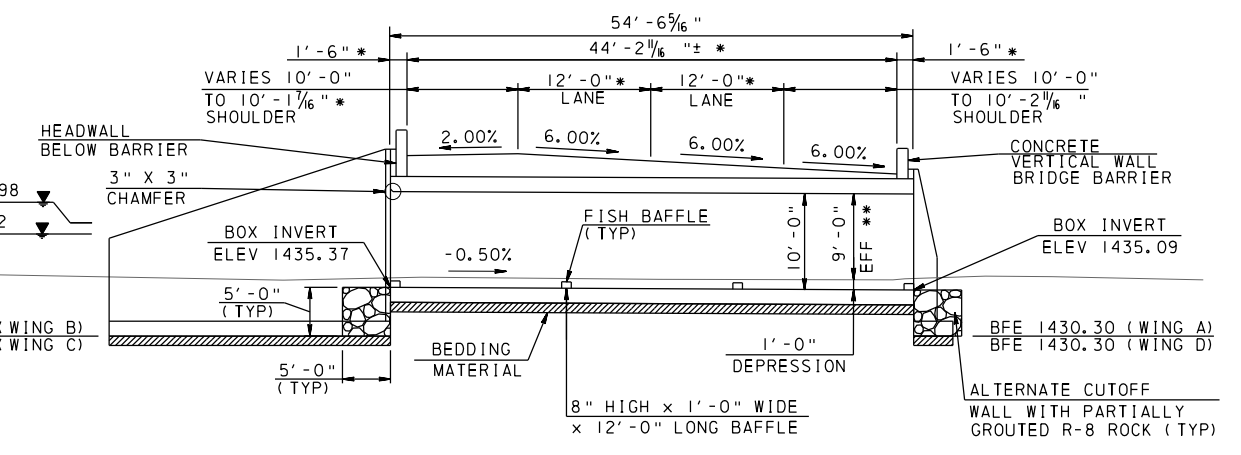


PLAN
0 10 FEET
SCALE



VERTICAL CURVE DATA
NO CURVE



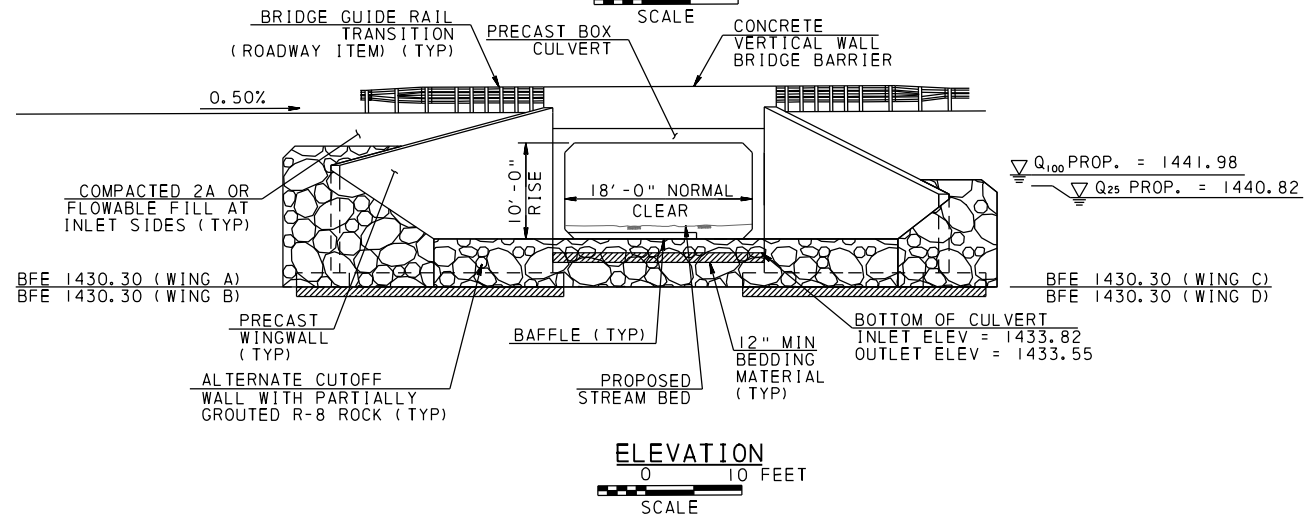
SECTION ALONG C OF CULVERT
0 10 FEET
SCALE

BORING TABLE		
BORING	STATION	OFFSET
B-1	108+69.80	14.9' RT
B-2	108+16.60	13.7' RT

STATIONS AND OFFSETS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS

HORIZONTAL CURVE DATA

SR 0053 SURVEY & CONSTR B
 PI STA 105+23.03
 Δ = 56°50'48" RT
 Dc = 3°59'57"
 T = 775.41'
 L = 1421.46'
 R = 1432.69'
 E = 196.38'
 PC STA 97+47.62
 PT STA 111+69.08
 SUPERELEVATE 6.00%
 DESIGN SPEED 45 MPH



ELEVATION
0 10 FEET
SCALE

LEGEND

- ➔ - INDICATES TRAFFIC DIRECTION
- - EXISTING WATER EDGE
- - - - EXISTING CONTOURS
- — — - PROPOSED CONTOURS
- ⊕ - SOIL BORING

**HYDRAULIC DATA
EMIGH RUN**

RETURN PERIOD - 25 YR FLOOD
 WATER SURFACE EL = 1440.82
 Q = 453 CFS
 V = 2.99 FPS
 RETURN PERIOD - 100 YR FLOOD
 WATER SURFACE EL = 1441.98
 Q = 641 CFS
 V = 2.98 FPS
 DRAINAGE AREA 2.94 SQ. MILES
 WATERWAY OPENING 162 SQ. FEET
 FLOOD OF RECORD - UNKNOWN
 WATER SURFACE ELEVATION (FLOOD) - UNKNOWN

DESCRIPTION	DWG. NO.	APP. DATE
ANCHOR SYSTEMS	BC-734M	10-26-10
WALL CONSTR & EXP JOINT DETAILS	BC-735M	10-26-10
REINFORCEMENT BAR FABRICATION DETAILS	BC-736M	5-18-12
BRIDGE DRAINAGE	BC-751M	11-26-13
TYPICAL WATERPROOFING AND EXPANSION DETAILS	BC-788M	5-18-12
MECHANICAL CONNECTION DETAILS	BC-798M	11-26-13

Mark	Description	By	Chk'd.	App'd.	Date
REVISIONS					

JV-036 | BRIDGE KEY-11245 | BMS-17-0053-0640-0000 | MPMS-69443

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION

CLEARFIELD COUNTY
 S.R. 0053 SECTION A10
 SEG. 0640 OFF. 0000
 S.R. 0053 STA. 108+52.29
 OVER EMIGH RUN

**18'-0" X 10'-0" PRECAST CONCRETE BOX CULVERT
 TYPE, SIZE AND LOCATION**

RECOMMENDED _____

SHEET 1 OF 2
 & SUPPLEMENTAL DRAWINGS
 S-34929

PREPARED BY:
 LARSON DESIGN GROUP
 1000 COMMERCE PARK DRIVE
 WILLIAMSPORT, PA 17701

DAVID J. JOHNSON
 REGISTERED PROFESSIONAL ENGINEER
 PE074510

SIGNATURE & DATE *David J. Johnson* 6/3/2015

HDR
 HDR ENGINEERING, INC.
 11 STANWIX ST., SUITE 800
 PITTSBURGH, PA 15222

USER: R52416 for PLOT DATE: 05-22-2015 2:07:11 PM
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