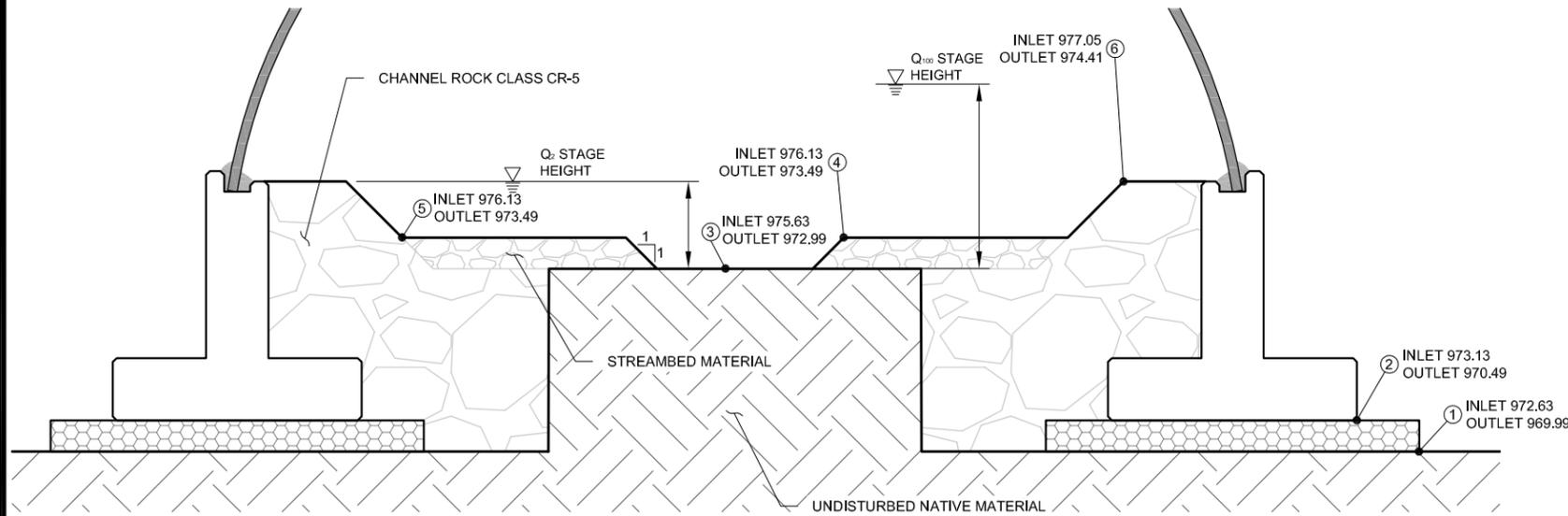
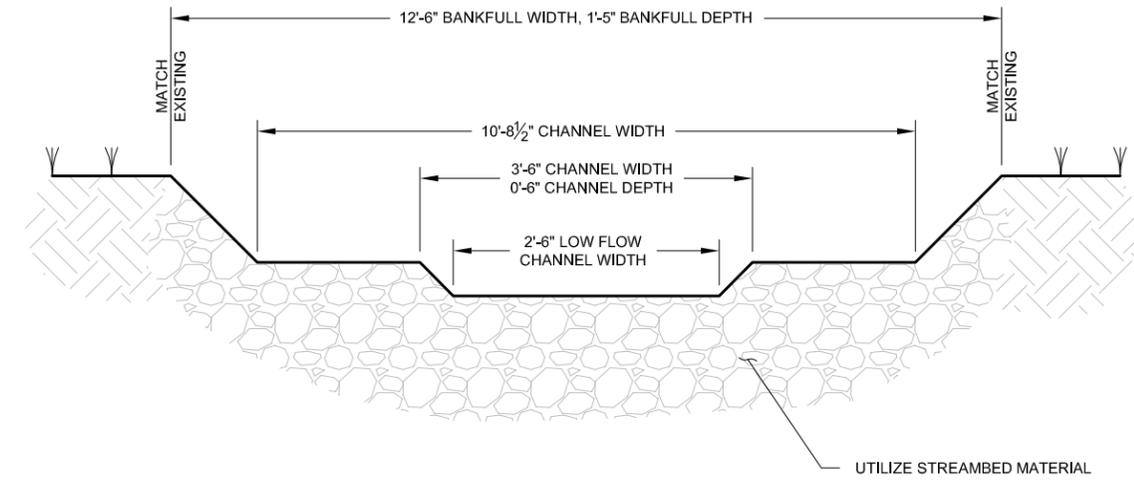


M:\4835\002\ACAD\SHETS\YUKON CREEK\STREAM ELEVATIONS & DIMENSIONS.DWG PLOTTED BY: TROY MONROE ON Feb/12/2014

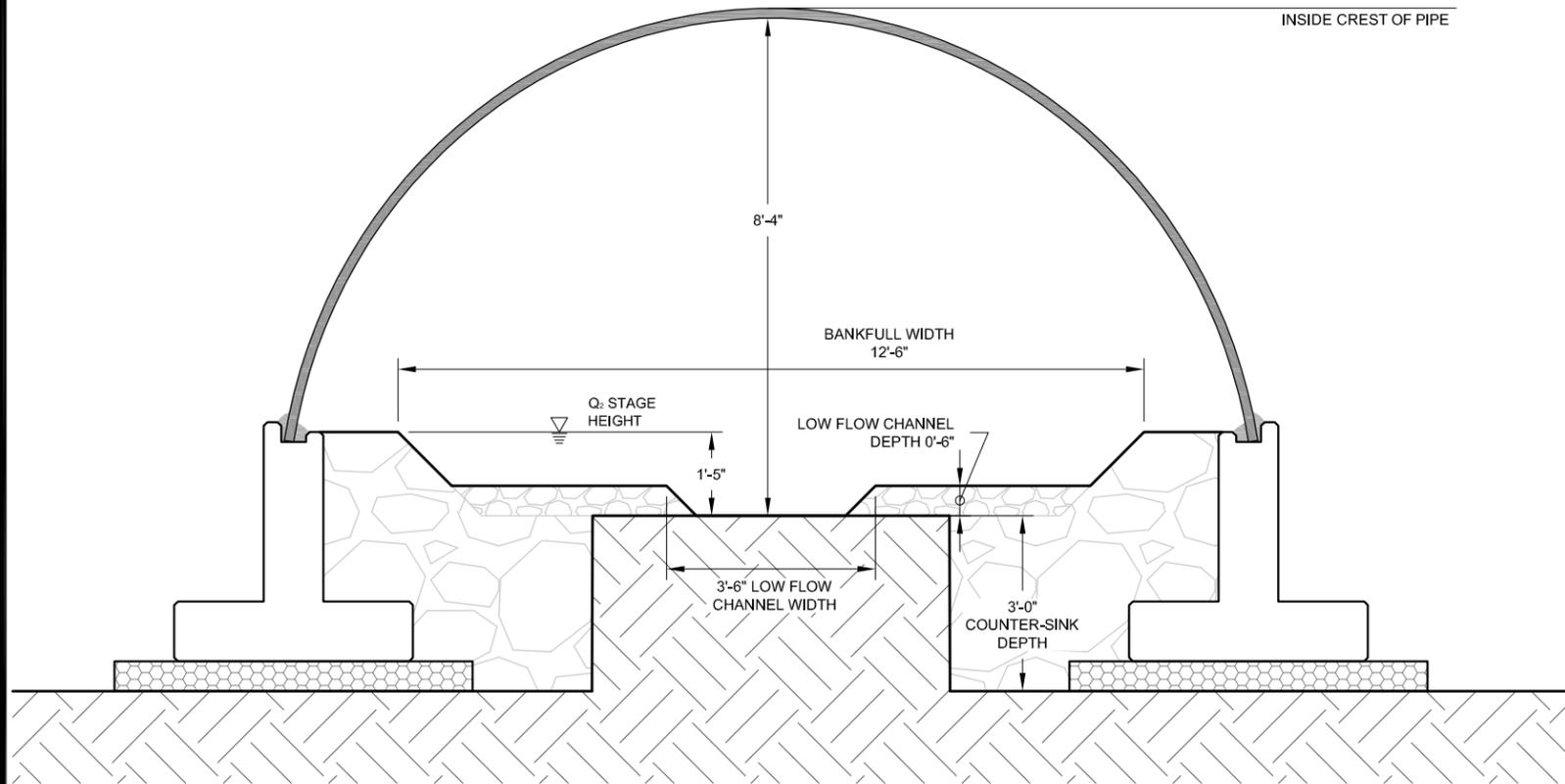


STREAM INLET/OUTLET CROSS-SECTION ELEVATIONS
SCALE: N.T.S.

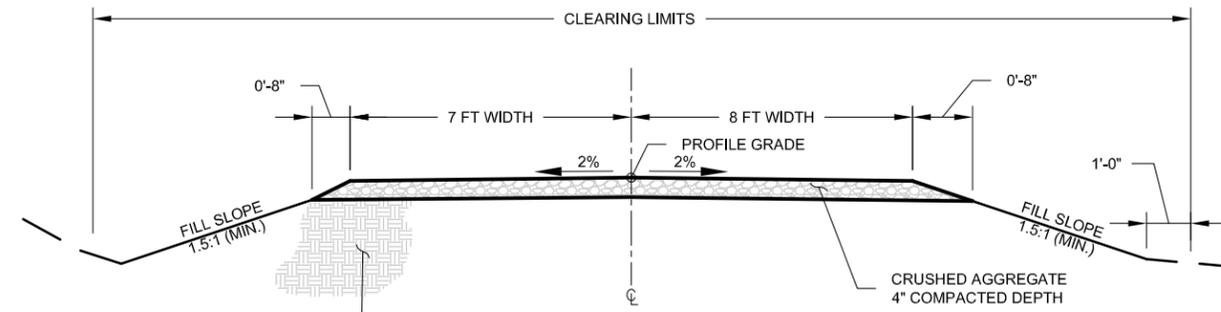
STREAM CROSS-SECTION ELEVATIONS (FT.)	
IDENTITY	DESCRIPTION
①	BOTTOM OF GEOCELL
②	BOTTOM OF FOOTING
③	THALWEG
④	TOP OF LOW FLOW CHANNEL
⑤	BOTTOM OF CHANNEL
⑥	TOP OF BANKFULL WIDTH, Q ₂ STAGE HEIGHT



TYPICAL CHANNEL SECTION
SCALE: N.T.S.



STREAM CROSS-SECTION DIMENSIONS
SCALE: N.T.S.



ROAD NO.	FROM STA.	TO STA.	WIDTH
NFSR 4106	9+66.6	10+55.3	15'

TYPICAL ROAD CROSS SECTION
SCALE: N.T.S.

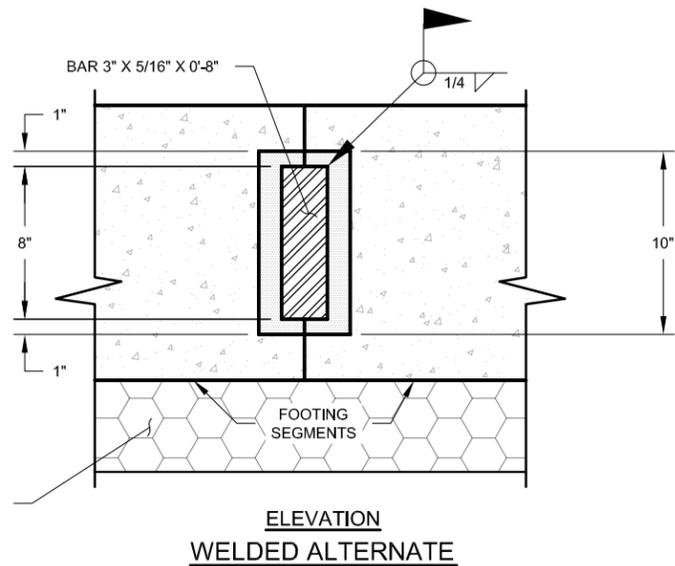
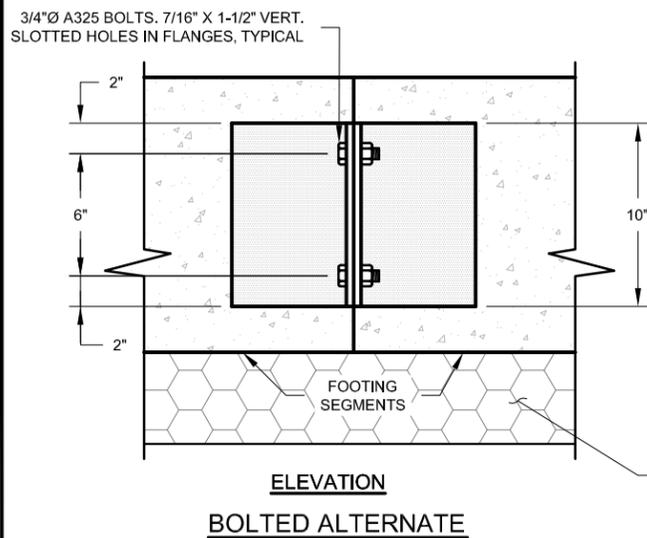
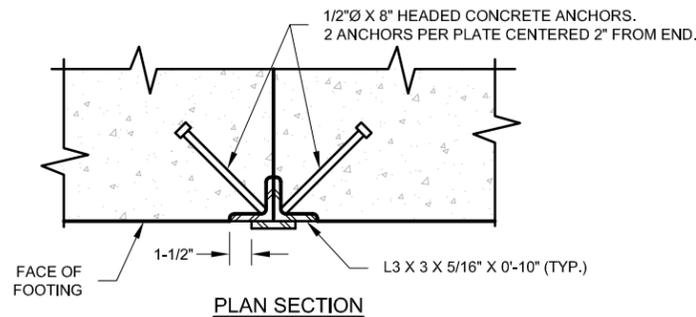
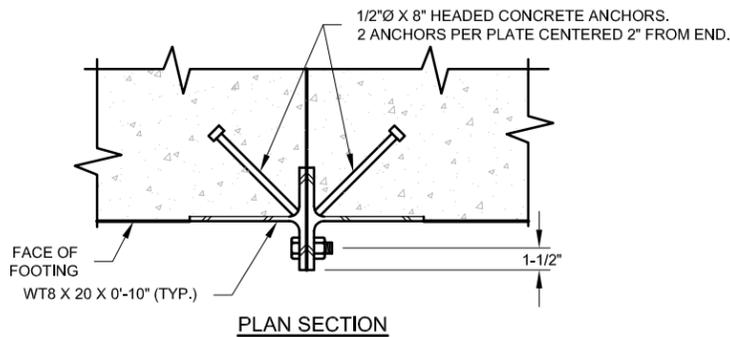


YUKON CREEK
NFSR 4106, M.P. 6.0
STREAM ELEVATIONS AND STREAM & ROAD TYPICAL SECTIONS

Designed By:TDM	Design Checked:---
Drawn By:CRH	Drawing Checked:TDM

Sheet: 6 of 9

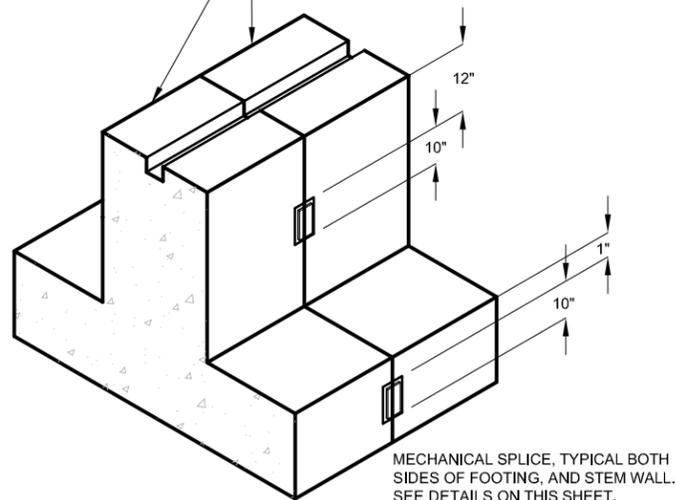
M:\4835\002\ACAD\ISHSHEETS\YUKON CREEK\BOTTOMLESS ARCH FOOTING DETAILS.DWG PLOTTED BY: TROY MONROE ON Feb/12/2014



PRECAST FOOTING SPLICE DETAILS

SCALE: N.T.S.

PRECAST CONCRETE FOOTING, LENGTH, NUMBER OF SEGMENTS AND ATTACHMENT TYPE TO BE DETERMINED BY CONTRACTOR.



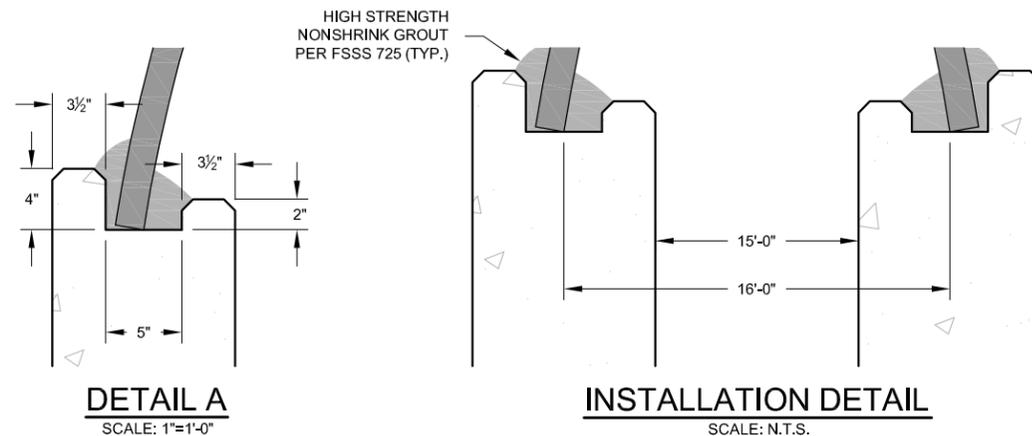
TYPICAL PRECAST FOOTING SEGMENTS

SCALE: N.T.S.

INFORMATIONAL QUANTITIES		
ITEM DESCRIPTION	UNIT	QUANTITY
STRUCTURAL CONCRETE, CLASS A(AE)	CY	30.6
REINFORCING STEEL	LB	3006
INFORMATIONAL QUANTITIES SHOWN ABOVE ARE FOR THE PRECAST CULVERT FOOTINGS ONLY (BOTH SIDES) AND CONSIDERED INCIDENTAL TO ITEM 553A05.		
GRANULAR BACKFILL	CY	13.56
INFORMATIONAL QUANTITY SHOWN ABOVE IS FOR THE GEOCELL ABUTMENT STABILIZATION ONLY AND CONSIDERED INCIDENTAL TO ITEM 27250.		

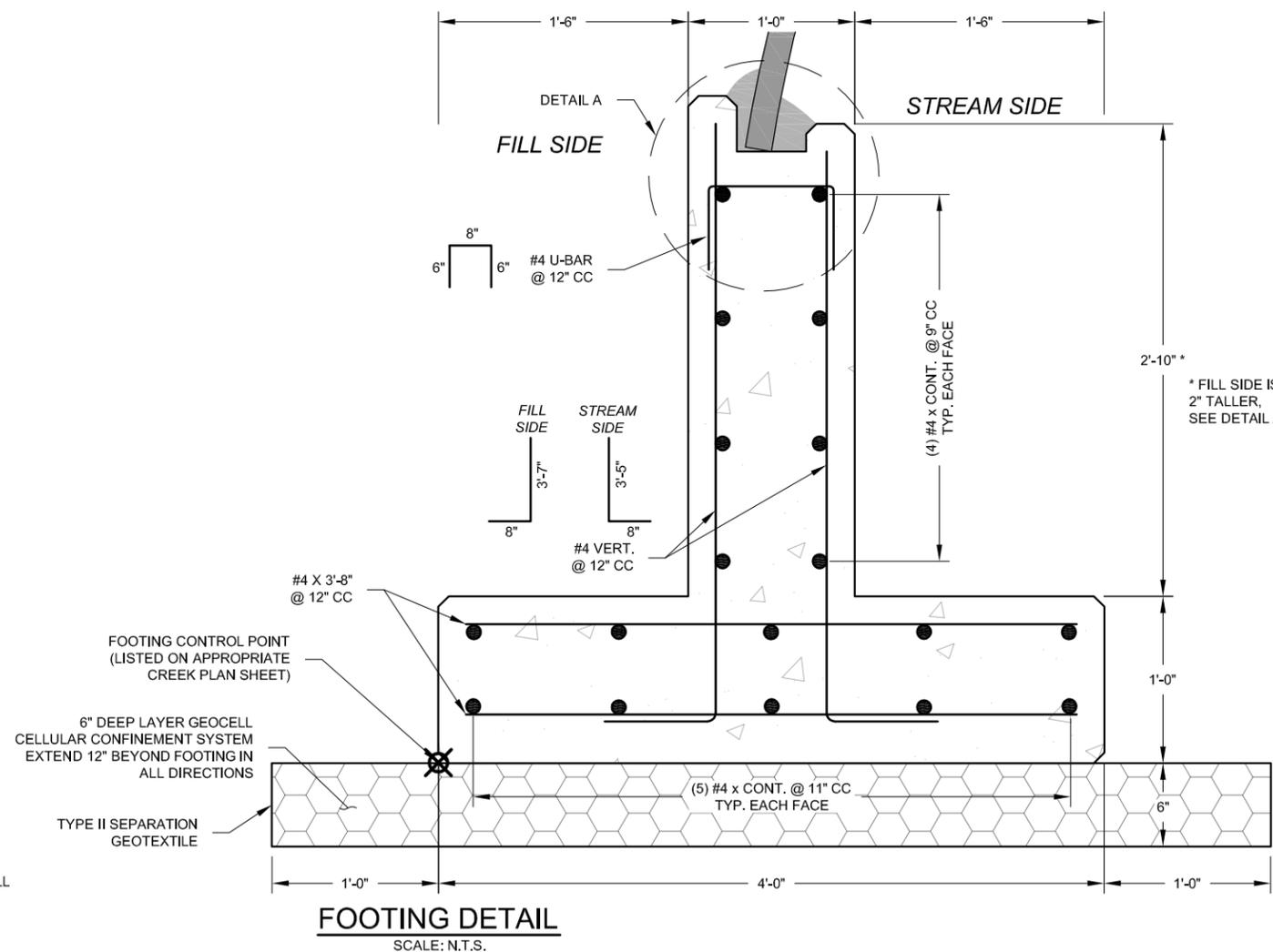
NOTES:

- NO CONNECTION USING AN UNBALANCED CHANNEL OR SIMILAR CONNECTION WILL BE ALLOWED.
- MINIMUM 2" CLEAR COVER OVER REBAR UNLESS OTHERWISE NOTED.
- ALL CONCRETE REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO ITEM 553A05.
- PLACE GEOCELL ON UNDISTURBED SOIL. BACKFILL GEOCELL WITH COARSE GRANULAR BACKFILL PER FSSS 272. EXTEND GEOCELL 1 FOOT BEYOND LIMITS OF FOOTING IN ALL DIRECTIONS.
- PLACE TYPE II SEPARATION GEOTEXTILE UNDER GEOCELL AND WRAP OVER TOP AFTER GEOCELL IS BACKFILLED.
- FOOTINGS SHALL BE PRECAST. ALL PRECAST UNITS MUST BE MECHANICALLY SPLICED. SEE THIS SHEET FOR TYPICAL SPLICE DETAIL. CONTRACTOR TO DESIGN LIFTING POINTS AND FOOTING SEGMENT LENGTHS. ALTERNATE CONNECTION DETAILS MAY BE SUBMITTED.



DETAIL A
SCALE: 1"=1'-0"

INSTALLATION DETAIL
SCALE: N.T.S.



FOOTING DETAIL
SCALE: N.T.S.

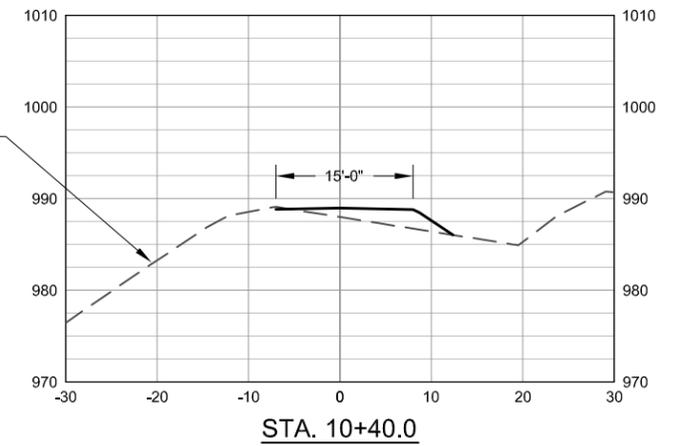
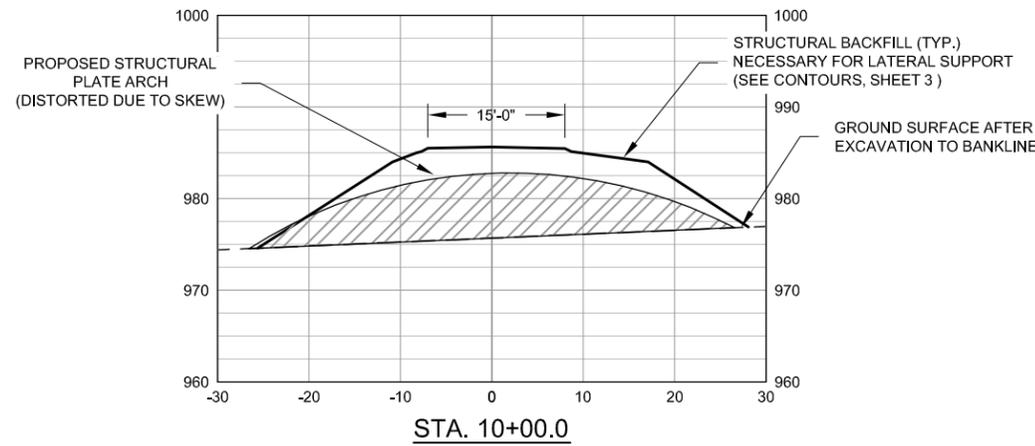
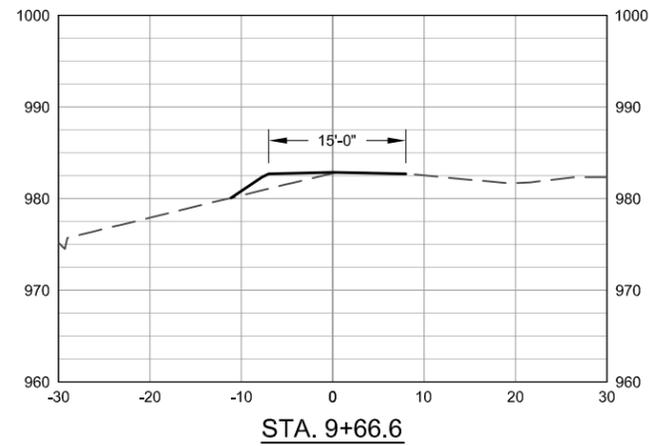
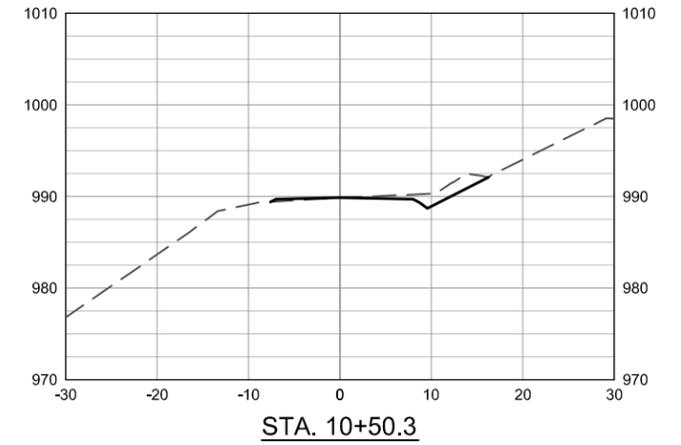
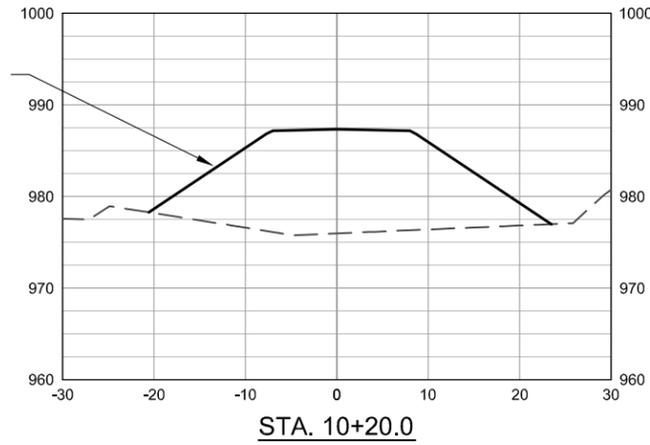
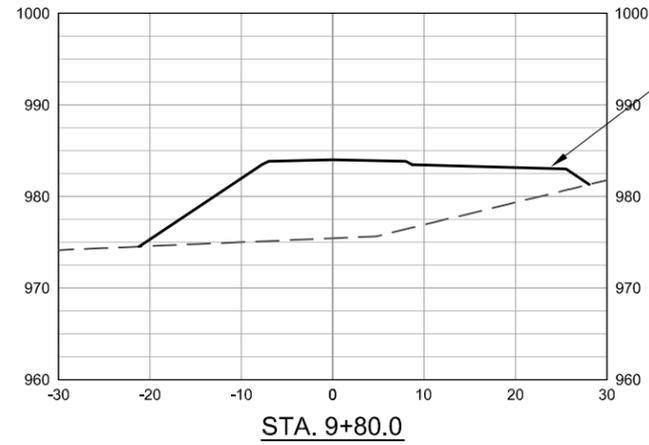


YUKON CREEK
NFSR 4106, M.P. 6.0
BOTTOMLESS ARCH FOOTING
DETAILS

Designed By:TDM Design Checked:---
Drawn By:CRH Drawing Checked:TDM

Sheet: 7 of 9

M:\4835\002\ACAD\ISHEETS\YUKON CREEK\CROSS-SECTIONS.DWG PLOTTED BY: TROY MONROE ON Feb/12/2014



YUKON CREEK
NFSR 4106, M.P. 6.0
CROSS-SECTIONS

Designed By:TDM Design Checked:---
Drawn By:CRH Drawing Checked:TDM