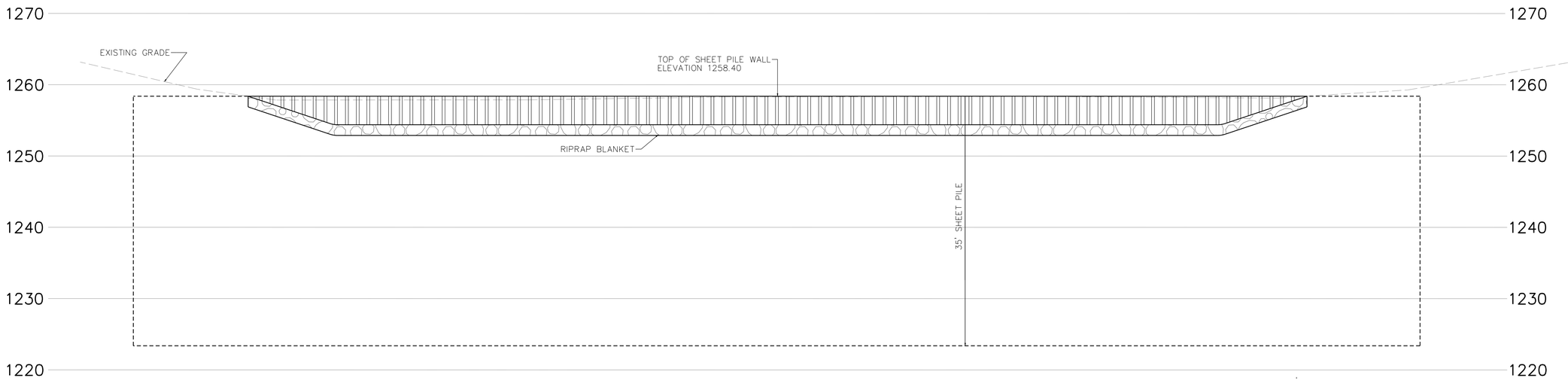
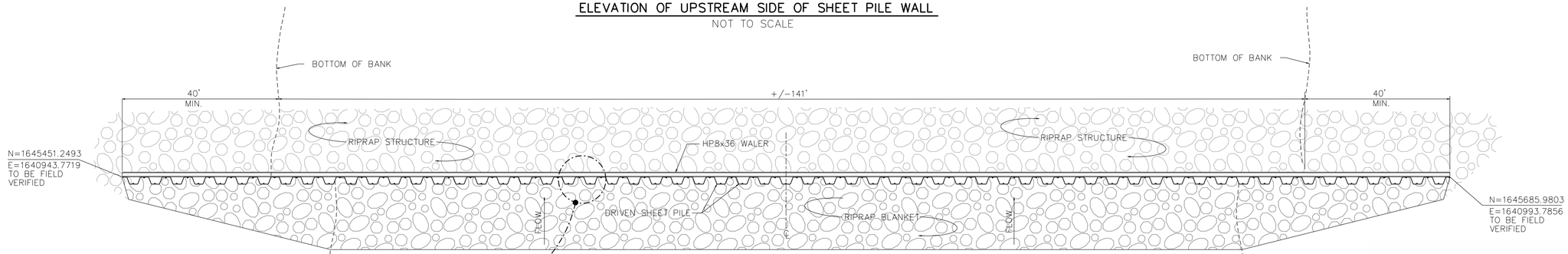
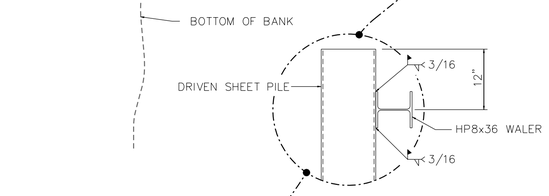


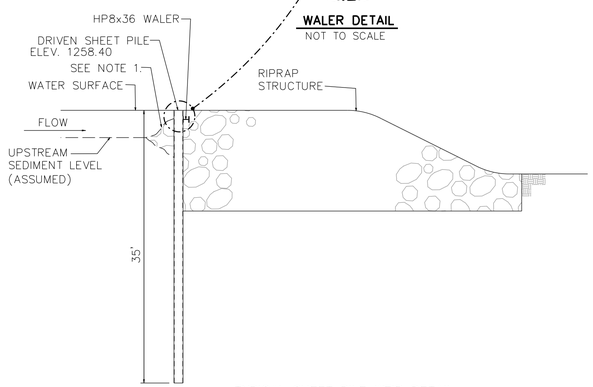
ELEVATION OF UPSTREAM SIDE OF SHEET PILE WALL
NOT TO SCALE



TYPICAL SHEET PILE WEIR PLAN
NOT TO SCALE



WALER DETAIL
NOT TO SCALE



TYPICAL SHEET PILE WEIR DETAIL
NOT TO SCALE

SHEET PILE WEIR NOTES

1. CLEAR DRIVING LINE FOR SHEET PILE INSTALLATION. REPLACEMENT/REMOVAL OF EXISTING RIPRAP IS REQUIRED.
2. DRIVE SHEET PILES TO REQUIRED DEPTH.
3. WELD WALER INTO PLACE. ALL WELDS ARE TO BE E70XX AND MEET AWS D1.1.
4. REPAIR/REPLACE RIPRAP AS REQUIRED.
5. MINIMUM PILE SECTION MODULUS, Sx=5.0 in^3. (BASED ON STEEL SHEET PILES MEETING ASTM A572 GR50).
6. WALER IS IN PLACE FOR SHEET PILE DURABILITY. IF ALTERNATE SHEET PILE SYSTEM IS PROPOSED, PROVIDE SIMILAR DETAIL.
7. THERE IS POTENTIAL EVIDENCE OF AN EXISTING SHEET PILE WALL BURIED IN THIS VICINITY. THE EXACT LOCATION IS UNKNOWN. THE CONTRACTOR SHALL LOCATE THIS WALL IN CONJUNCTION WITH CLEARING THE NEW SHEET PILE DRIVING PATH. SHOULD THERE BE A CONFLICT WITH THE ALIGNMENT OF THE PROPOSED WALL, THE CONTRACTOR IS TO NOTIFY THE CITY'S REPRESENATIVE TO COORDINATE AN ADJUSTMENT TO THE ALIGNMENT OF THE PROPOSED WALL .

MARK	DESCRIPTION	DATE	APPR.

amec
AMEC Environment & Infrastructure, Inc.
1129 SW Wanamaker
Topeka, Kansas 66604
Phone: (785) 272-4630
Fax: (785) 272-4678

CITY OF WICHITA

Diversion Structure Rehabilitation Improvements For the WICHITA-VALLEY CENTER LOCAL FLOOD PROTECTION PROJECT
WICHITA, KANSAS

PREPARED FOR
THE CITY OF WICHITA, KANSAS
455 N. Main
Wichita, KS 67202

DON W. DOTSON LICENSED KANSAS PROFESSIONAL ENGINEER 19964

DESIGNED BY: DON DOTSON, P.E.		DATE: 2012/JAN/16
DWN BY: Staff	CKD BY: CJR	APP BY: LJS
FILE NAME: 13_STRUCTURE SECTIONS AND DETAILS.dgn		
AMEC PROJ. NO. 5-6150-0001		

CONTROL STRUCTURE SECTIONS AND DETAILS

S2.03

SHEET 13 OF 17