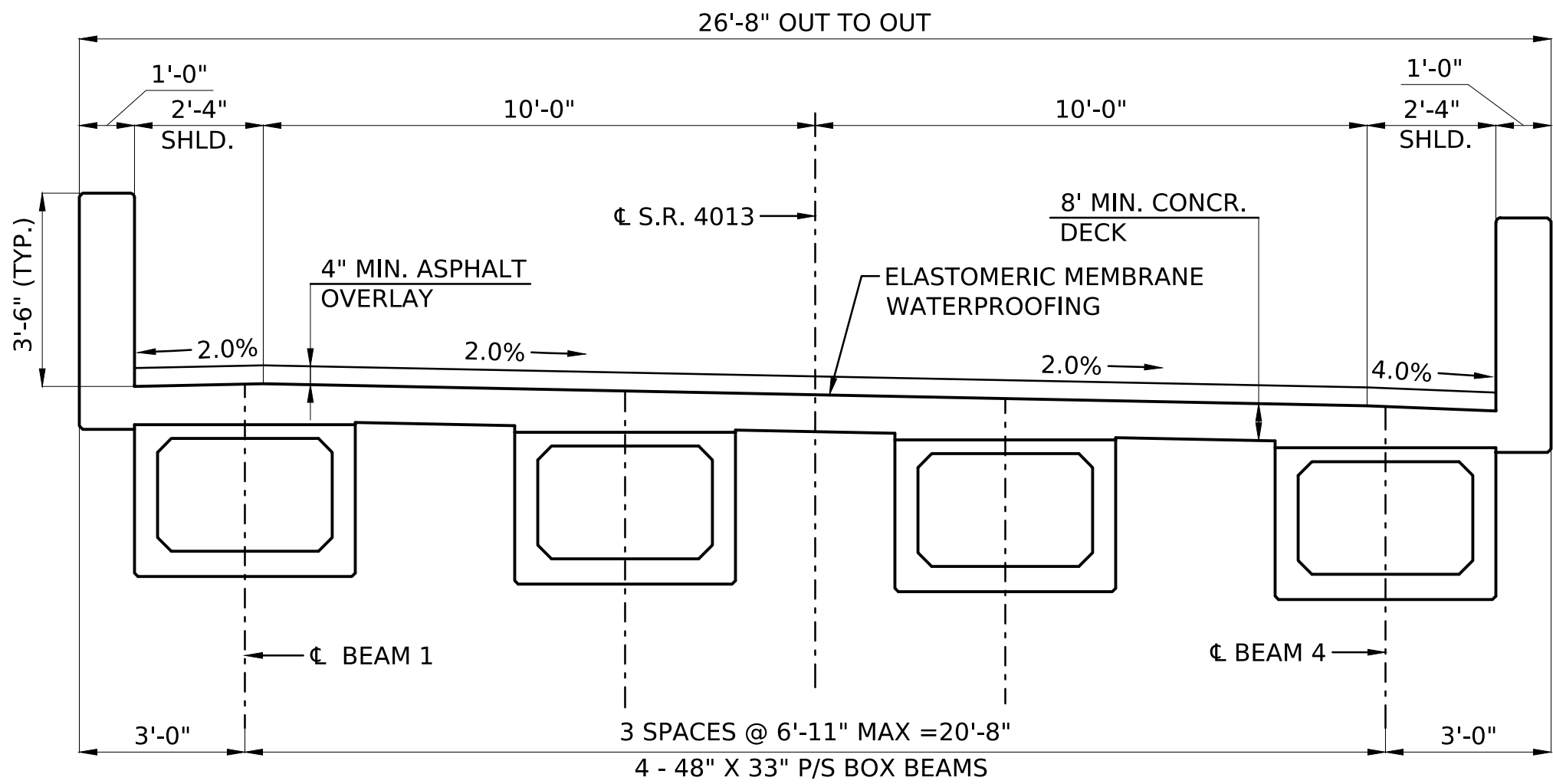
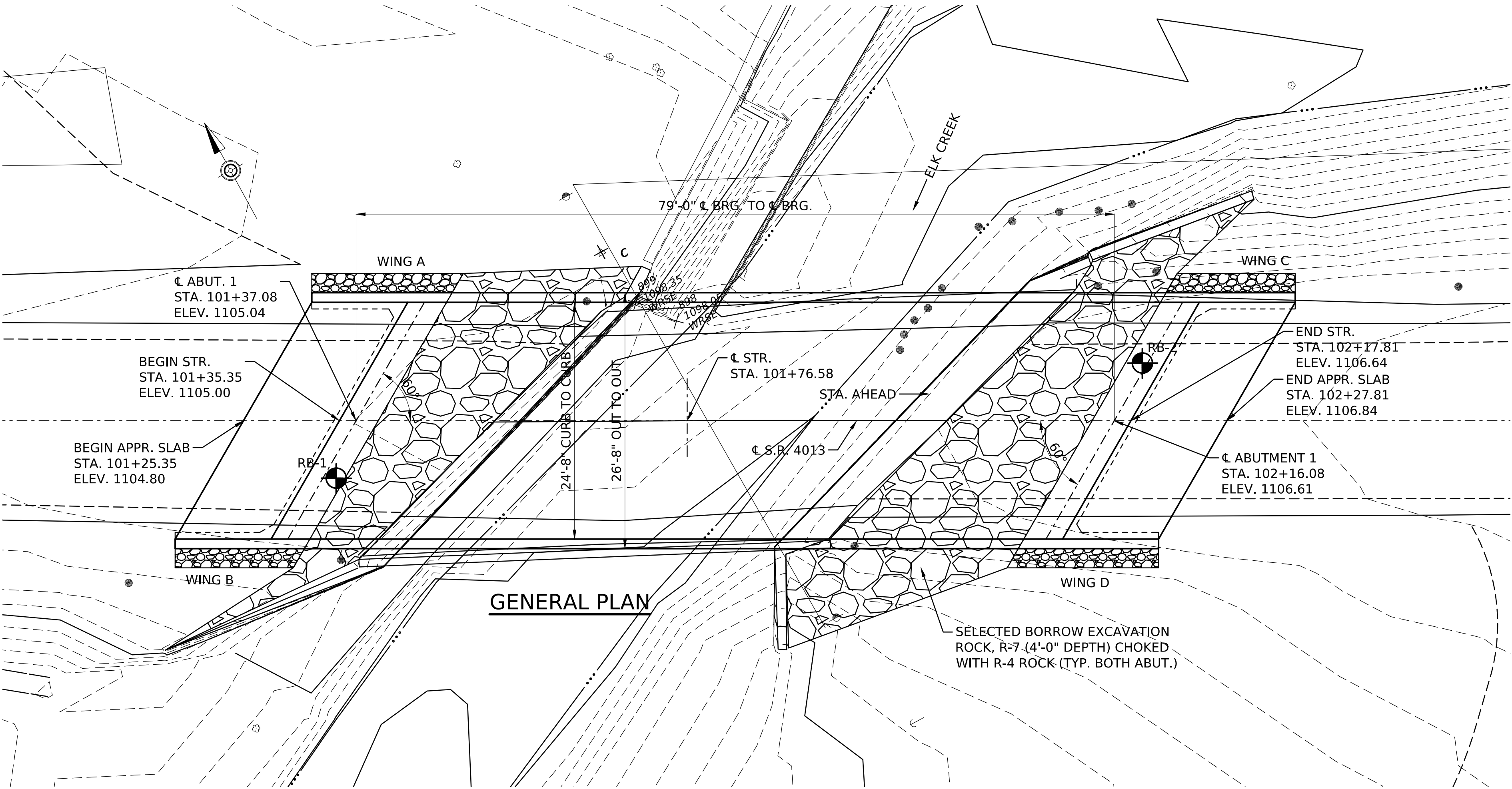


OPERATOR: mifabry
FILE NAME: C:\Users\mifabry\Documents\PennDOT Production\25 4013-B01 (84910) SR 4013 over Elk Creek\Project Files\DESIGN\Bridg25-4013-0080-0214\CADD Files\Masterfile MAF.dwg
PLOTTED: 10-Oct-2025 02:24



GENERAL NOTES

DESIGN SPECIFICATIONS

- AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 8TH EDITION, 2017, AND AS SUPPLEMENTED BY DESIGN MANUAL PART 4, DECEMBER 2019 EDITION (INCLUDING REVISIONS).
- DESIGN IN ACCORDANCE WITH LRFD METHOD

DESIGN LIVE LOADS

- PHIL-93, 9-82, AND P2013-13
- FATIGUE DESIGN IS BASED ON THE FOLLOWING
ADTT: 35 (2047) (ONE-DIRECTIONAL)

DEAD LOADS

- INCLUDES A SURFACE DENSITY OF 15 PSF FOR PERMANENT METAL DECK FORMS WHICH TAKES INTO ACCOUNT THE WEIGHT OF THE FORM PLUS THE WEIGHT OF THE CONCRETE IN THE VALLEYS OF THE FORMS.
- INCLUDES A SURFACE AREA DENSITY OF 49 PSF FOR FUTURE WEARING SURFACE.

STRUCTURE DATA

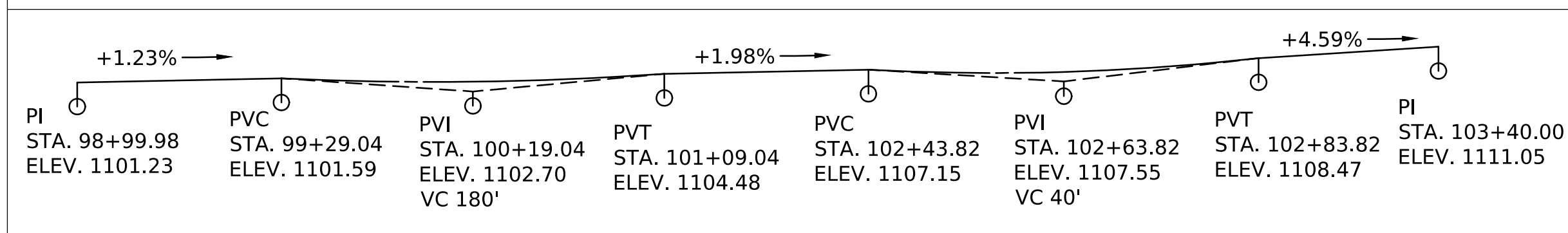
EXISTING STRUCTURE

STATION: 101+76.00
TYPE: STEEL I-BEAM
SPAN: 45'-0"
SKEW: 45°
AVG. UNDERCLEARANCE: 13'-2"
CLEAR ROADWAY WIDTH: 24'-6"

PROPOSED STRUCTURE

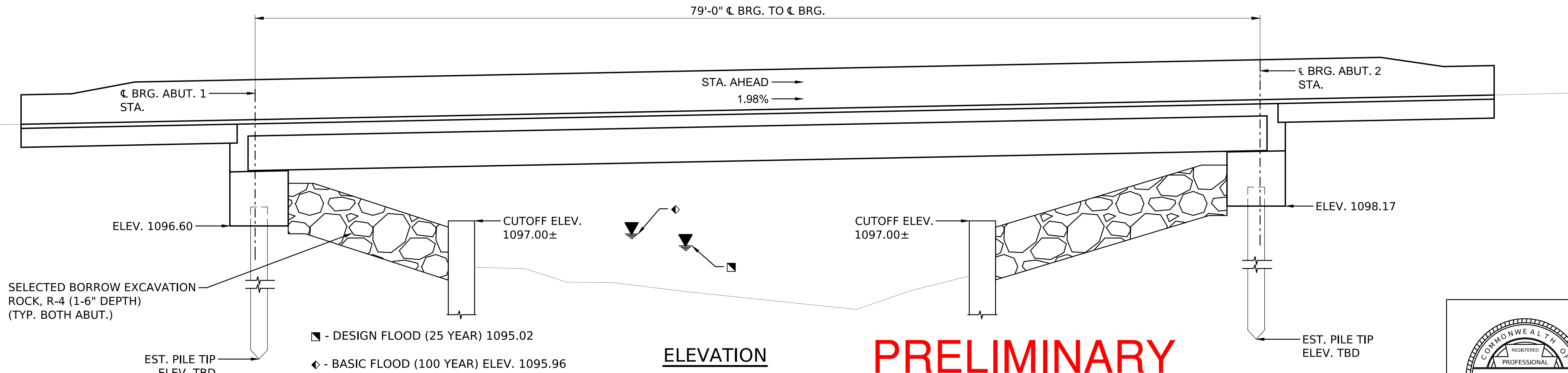
STATION: 101+76.58
TYPE: SPREAD BOX BEAM
SPAN: 79'-0"
SKEW: 60°
AVG. UNDERCLEARANCE: 11'-8"
CLEAR ROADWAY WIDTH: 24'-0"

PROFILE GRADE DATA @ ∇ OF ROADWAY

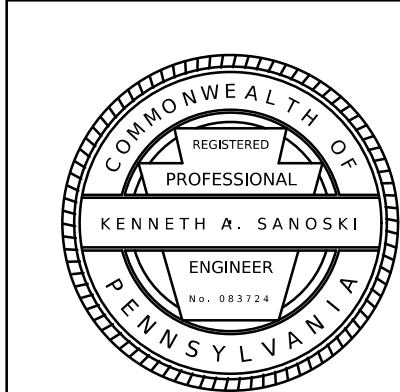


HYDROLOGIC & HYDRAULIC DATA

DRAINAGE AREA = 7.94 SQ. MI.				
LATITUDE: 42°02'22" , LONGITUDE: 80°05'09"				
FLOOD	FREQ.	Q (CFS)	ELEV.	V (FPS)
EXISTING STRUCTURE				
DESIGN	25 YR	621	1095.02	2.66
BASIC	100 YR	900	1095.96	3.06
PROPOSED STRUCTURE				
DESIGN	25 YR	621	1095.02	2.66
BASIC	100 YR	900	1095.96	3.06



**PRELIMINARY
PLAN**



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

S.R. 4013 PREVIOUSLY KNOWN AS L.R. 25033
BMS STR ID: 25-4013-0080-0214 MPMS/ECMS PROJ: 84910 BRKEY: 16380

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION

ERIE COUNTY
S.R. 4013 SECTION B01
SEGMENT 0080 OFFSET 0214
S.R. 4013 STATION 101+76.58
OVER ELK CREEK
1 SPAN P/S CONC SPR. BOX BEAM BRIDGE
TYPE, SIZE, & LOCATION

RECOMMENDED _____
BRIDGE ENGINEER

SHEET 1 OF 1
S - 43092