

DESIGN

BOTTOM OF BOX ELEV. 1173.11

CLASS A CEMENT

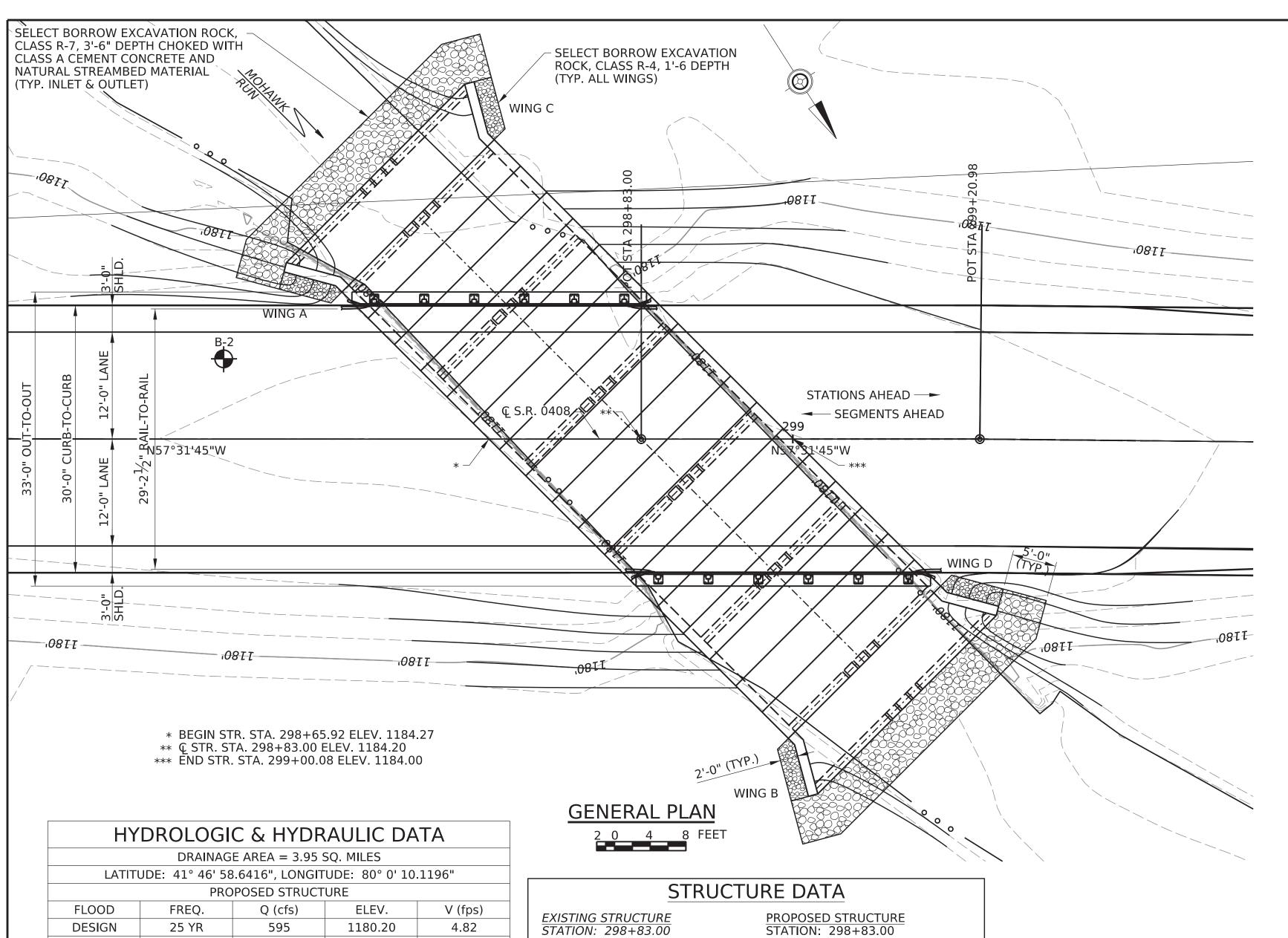
3'-0" (TYP.)

CONCRETE LIMITS

25 YR

595

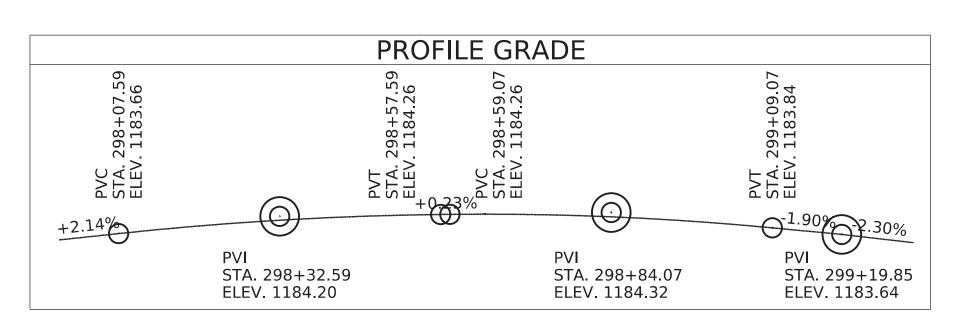
ON BOTTOMS & SIDES OF EACH LAYER. (TYP. BELOW BOX & END SECTIONS)

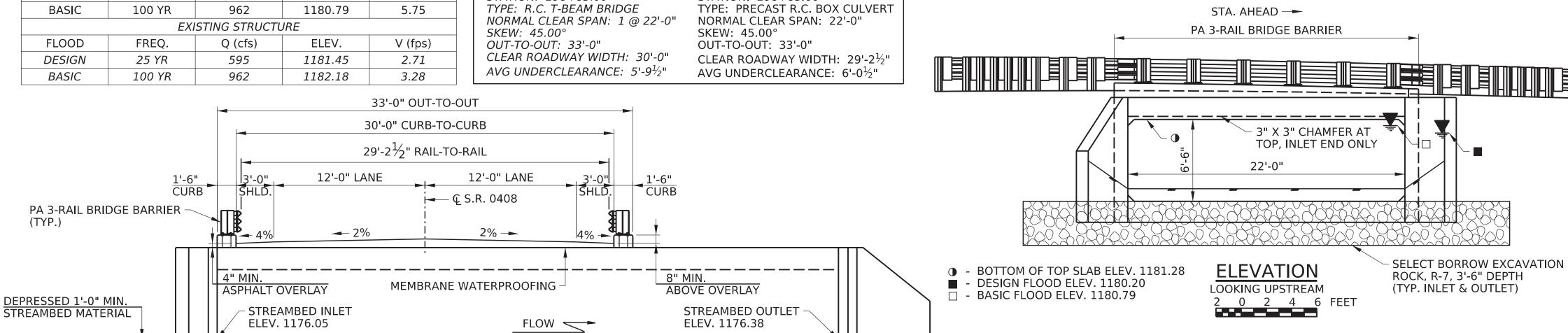


		RAT	ING SUMI	MARY WIT	TH FWS 🛦			
	ADTT = 91	H20	HS20	ML-80	TK527	PHL-93	P-82	P2016-13
INVENTORY RATING (IR)	MEMBER	T.S.	B.S.	B.S.	B.S.	T.S.	-	-
	DIST. (FT)	20.03	11.00	11.00	11.00	20.03	-	-
	LIMIT STATE	STR-I	STR-I	STR-I	STR-I	STR-I	-	_
	RATING (TONS)	38.26 V	52.54 F	44.11 F	50.18 V	1.17 V*	-	-
OPERATING RATING (OR)	MEMBER	T.S.	B.S.	B.S.	B.S.	T.S.	B.S.	B.S.
	DIST. (FT)	20.03	11.00	11.00	11.00	20.03	11.00	8.80
	LIMIT STATE	STR-II	STR-II	STR-II	STR-II	STR-IA	STR-II	STR-II
	RATING (TONS)	49.59 V	68.11F	57.18 F	65.05 F	1.51 V*	124.81 F	173.77 F

RATING SUMMARY WITHOUT FWS												
	ADTT = 91	H20	HS20	ML-80	TK527	PHL-93	P-82	P2016-13				
INVENTORY RATING (IR)	MEMBER	T.S.	B.S.	B.S.	B.S.	T.S.	-	-				
	DIST. (FT)	20.03	11.00	11.00	11.00	20.03						
	LIMIT STATE	STR-I	STR-I	STR-I	STR-I	STR-I	-	-				
	RATING (TONS)	39.81 V	56.08 F	47.09 F	53.56 F	1.21 V*	-	-				
OPERATING RATING (OR)	MEMBER	T.S.	B.S.	B.S.	B.S.	T.S.	B.S.	B.S.				
	DIST. (FT)	20.03	11.00	11.00	11.00	20.03	11.00	8.80				
	LIMIT STATE	STR-II	STR-II	STR-II	STR-II	STR-IA	STR-II	STR-II				
	RATING (TONS)	51.61 V	72.70 F	61.04 F	69.43 F	1.57 V*	133.23 F	184.17 F				

- PHL-93 IS SHOWN AS A RATING FACTOR. ALL OTHER RATINGS FOR H20, HS20, ML-80, TK527, P-82, AND P2016-13 ARE SHOWN
- RATING SUMMARY WITH FWS ARE BASED ON 49 PSF FWS. FABRICATOR MUST UPDATE RATING SUMMARY WITH FWS IN ANY REINFORCEMENT SIZE OR SPACING CHANGES.
- F = RATING IS GOVERNED BY FLEXURE V = RATING IS GOVERNED BY SHEAR
- T.S. = TOP SLABB.S. = BOTTOM SLAB
- L.W. = LEFT WALLR.W. = RIGHT WALL





PRELIMINARY NOT FOR CONSTRUCTION

Chk'd Recm'd. Date Description Ву **REVISIONS**

S.R. 0408 PREVIOUSLY KNOWN AS L.R. 00697

BMS STR ID: 20-0408-0090-0729 MPMS/ECMS PROJ: 84927

BRKEY: TBD

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION

CRAWFORD COUNTY S.R. 0408 SECTION B05

SEGMENT 0090 OFFSET 0729 STA. 298+83.00

OVER MOHAWK RUN 22'-0" x 6'-6" PRECAST CONCRETE BOX CULVERT

TYPE SIZE AND LOCATION

SHEET <u>1</u> OF <u>1</u> 12-4-2024 RECOMMENDED S - 42598 BRIDGE ENGINEER

DWG: TDD CKD: DES: TDD

1180.20

4.82

NO. 8 COARSE AGGREGATE *

* NO. 8 COARSE AGGREGATE BEDDING BELOW BOX IN 1' LAYER. NO. 1 COARSE AGGREGATE BEDDING BELOW BOX IN 3 - 1' LAYERS. WRAP IN CLASS 4, TYPE C STABILIZATION GEOTEXTILE MEETING THE REQUIREMENTS OF PUB. 408, SECTION 212.3 (e) & SECTION 735

2 0 2 4 6 FEET

TYPICAL PROPOSED SECTION

NO. 1 COARSE AGGREGATE *