DocuSign Envelope ID: 4FE487D1-CEB2-481E-9790-9C47926ED12D

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
B-5845	6

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

*DESIGN EXCEPTION REQUIRED FOR VERTICAL CURVATURE AND VERTICAL SSD.

PIPE HYDRAULIC DATA
Str#0404 -L- Sta.17+34

DRAINAGE AREA	= 13.7	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 37	CFS
DESIGN HW ELEVATION	= 697.8	FT
100 YEAR DISCHARGE	= 43	CFS
100 YEAR HW ELEVATION	= 698.1	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 65	CFS
OVERTOPPING ELEVATION	= 700.0	FT

PIPE HYDRAULIC DATA
Str#0405 -L- Sta.19+60

DRAINAGE AREA	= 19.3	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 52	CFS
DESIGN HW ELEVATION	= 682.2	FT
100 YEAR DISCHARGE	= 60	CFS
100 YEAR HW ELEVATION	= 682.7	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 120	CFS
OVERTOPPING ELEVATION	= 689.1	FT

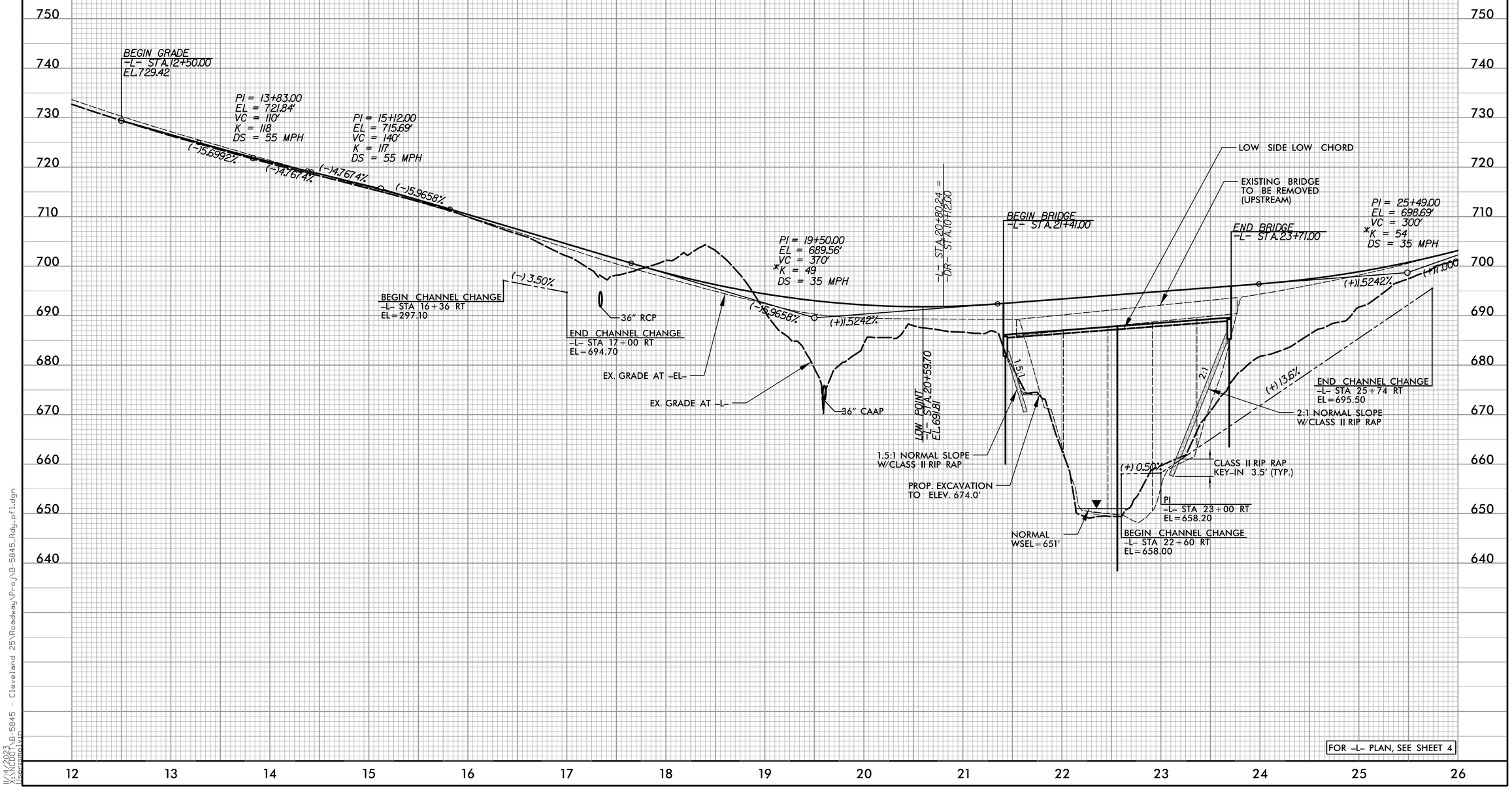
BRIDGE HYDRAULIC DATA
BRIDGE #220025

DESIGN DISCHARGE	=	6900 CFS
DESIGN FREQUENCY	=	25 YRS
DESIGN HW ELEVATION	=	664.4 FT
BASE DISCHARGE	=	9500 CFS
BASE FREQUENCY	=	100 YRS
BASE HW ELEVATION	=	666.6 FT
OVERTOPPING DISCHARGE	=	14400+ CFS
OVERTOPPING FREQUENCY	=	500+ YRS
OVERTOPPING ELEVATION	=	692.6 FT*

*OVERTOPPING ELEVATION REPRESENTS LOWEST ROADWAY ELEVATION IN HEC-RAS MODEL LOCATED @ -L- STA.20+82.

DATE OF SITE VISIT = 3/25/2020

APPROX. W.S. ELEVATION ON DATE OF SITE VISIT = 651 FT



FOR -L- PLAN, SEE SHEET 4

11/14/2023
X:\4.0 B-5845 - Cleveland 25\Roadway\Proj\B-5845_Rdy_pfl.dgn
Usersmelvin