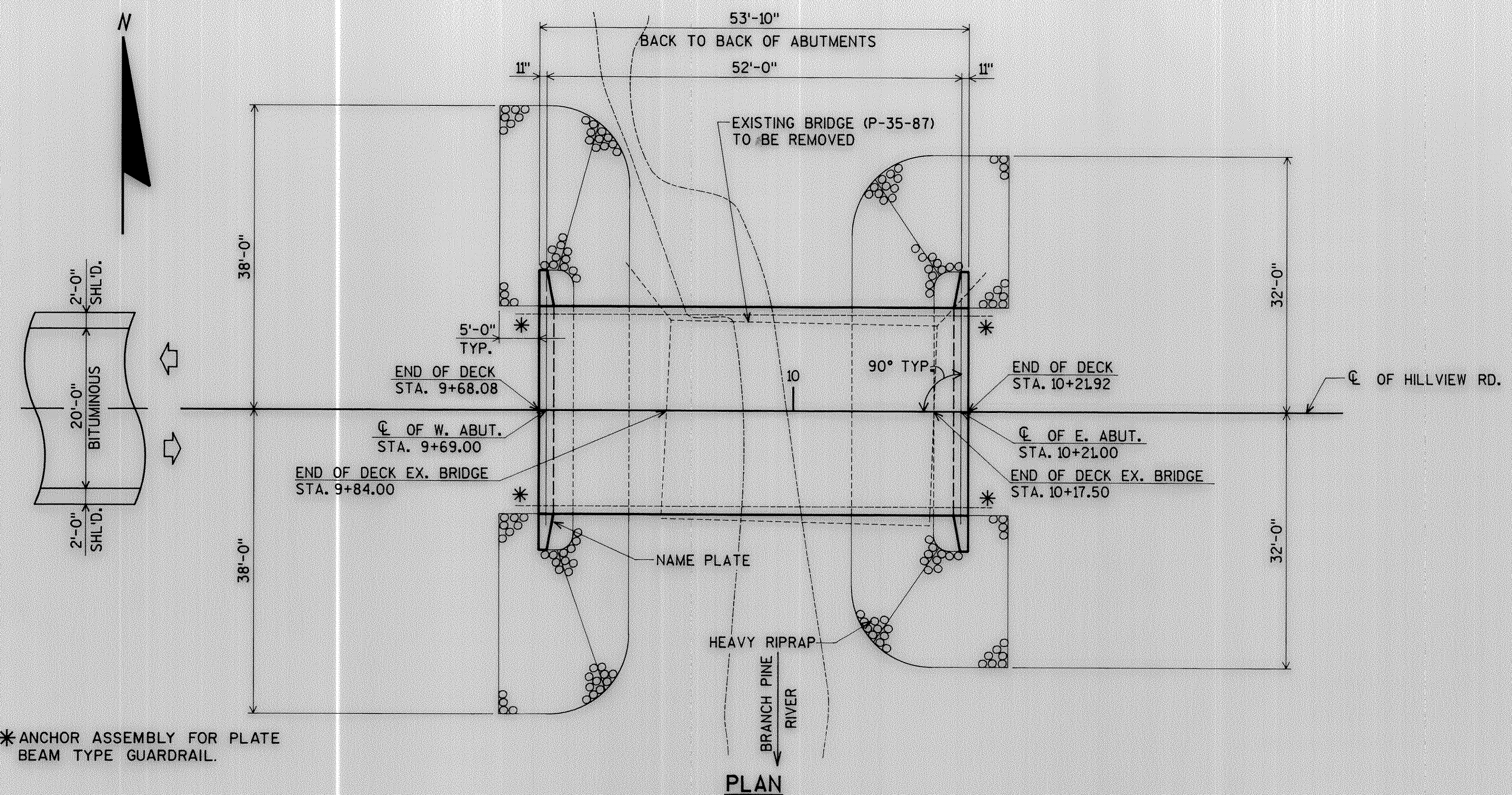
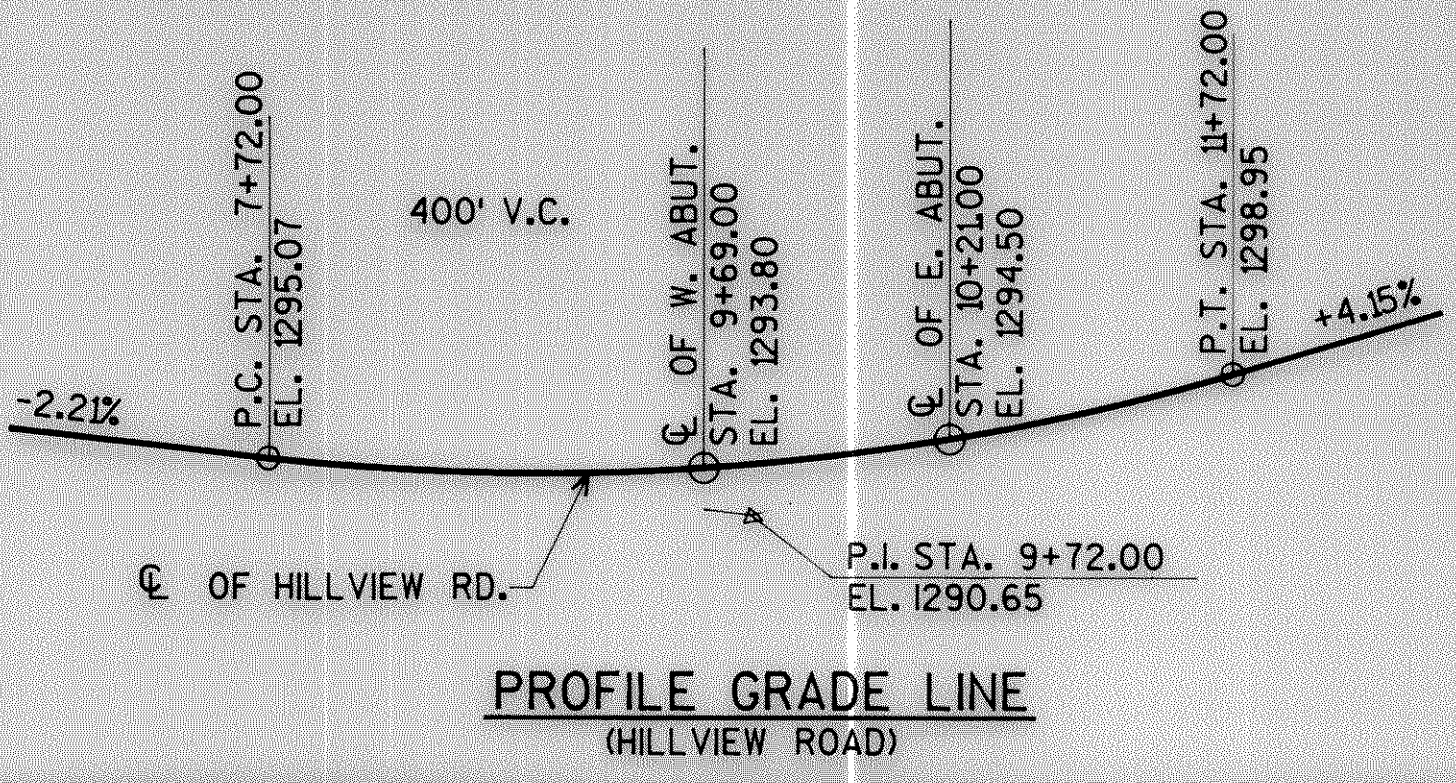
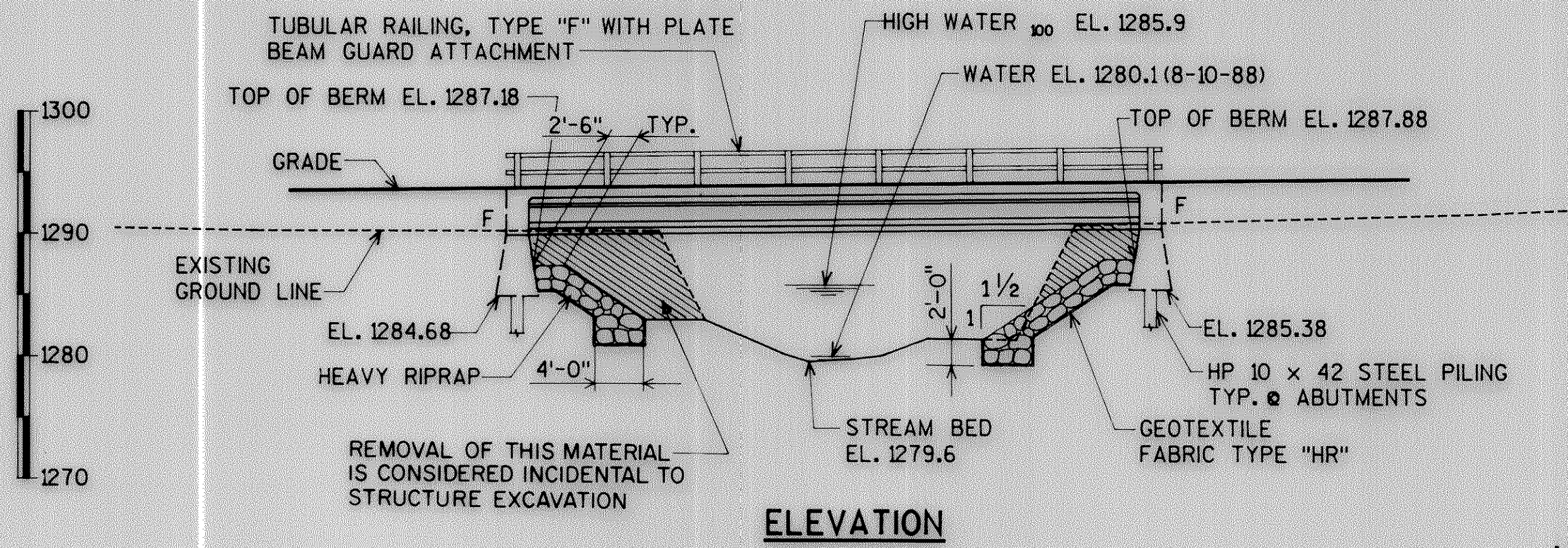


SUBSET: TRBRIDGE
FILE NAME: 09231GP

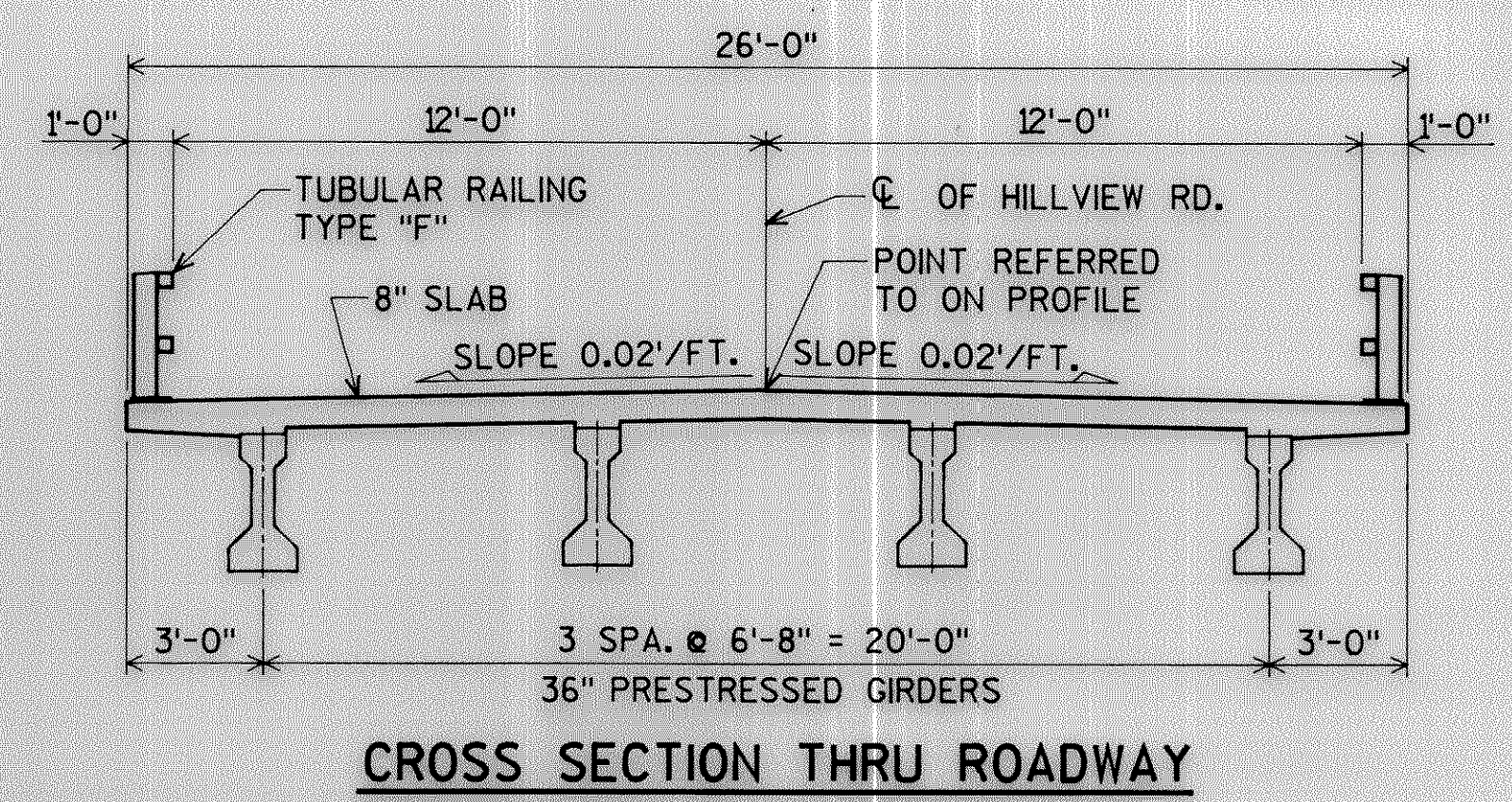
LABELS ON -4,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



* ANCHOR ASSEMBLY FOR PLATE BEAM TYPE GUARDRAIL.



BENCH MARK:
70 d SPIKE IN POWER POLE
STA. 10+64.0, 38' LT.
EL. 1294.76



DESIGN DATA

LIVE LOAD: HS-20 (STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20"/S.F.)

RATINGS: INVENTORY = HS-27 OPERATING = HS-33

MAXIMUM STANDARD PERMIT VEHICLE LOAD = 225 KIPS

ALLOWABLE DESIGN STRESSES:

CONCRETE MASONRY	SLAB	$f'_c = 4,000$ p.s.i.
	ALL OTHER	$f'_c = 3,500$ p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT (GRADE 60)		$f_y = 60,000$ p.s.i.
PRESTRESSED GIRDER		
CONCRETE MASONRY		$f'_c = 6,000$ p.s.i.
STRANDS - 1/2" DIA. WITH ULTIMATE TENSILE STRENGTH OF		270,000 p.s.i.

HYDRAULIC DATA:

DRAINAGE AREA = 2.8 sq. mi.
WATERWAY AREA = 81 sq. ft.
V = 10.0 f.p.s.
Q₁₀₀ = 810 c.f.s.
HIGH WATER 100 EL. 1285.9
RDWY. OVERFLOW = N/A

FOUNDATION DATA:

PLACE W. ABUTMENT ON HP 10 x 42 STEEL PILING DRIVEN TO 45 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 45'-0".
PLACE E. ABUTMENT ON HP 10 x 42 STEEL PILING DRIVEN TO 45 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 35'-0".
STEEL OIL FIELD PIPE, IF USED, SHALL HAVE AN 8 5/8" MINIMUM OUTSIDE DIAMETER.

TRAFFIC DATA:

A.D.T. = 90 (1988)
A.D.T. = 125 (2010)
R.D.S. = 40 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES & NOTES
3. SUBSURFACE EXPLORATION
4. ABUTMENTS
5. ALT. STEEL INTER. DIAPHRAGM DETAILS
6. 36" PRESTRESSED GIRDER DETAILS
7. SUPERSTRUCTURE
8. SUPERSTRUCTURE DETAILS
9. TUBULAR RAILING TYPE "F"



BRIDGE OFFICE CONTACT:
D. BABLER
(608) 266-8486

No.	Date	Revision	By
PLANS PREPARED BY AYRES ASSOCIATES Engineers/Architects Planners/Surveyors Owen Ayres & Associates Inc. Eau Claire, Wisconsin			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-35-110			
HILLVIEW ROAD OVER BR. PINE RIVER			
County	LINCOLN	Town/City/Village	PINE RIVER
Design Spec.	A.A.S.H.T.O. '89	Load	HS-20
Designed By	MNL	Design Checked	CBM
Drawn By	G.L.D.	Plans Checked	D.H.
Approved	State Bridge Engineer		Date
GENERAL PLAN			SHEET 1 OF 9
			X 82833

CHECKED BY: DATE:
BACK CHECKED BY: DATE:
CORRECTED BY: DATE: