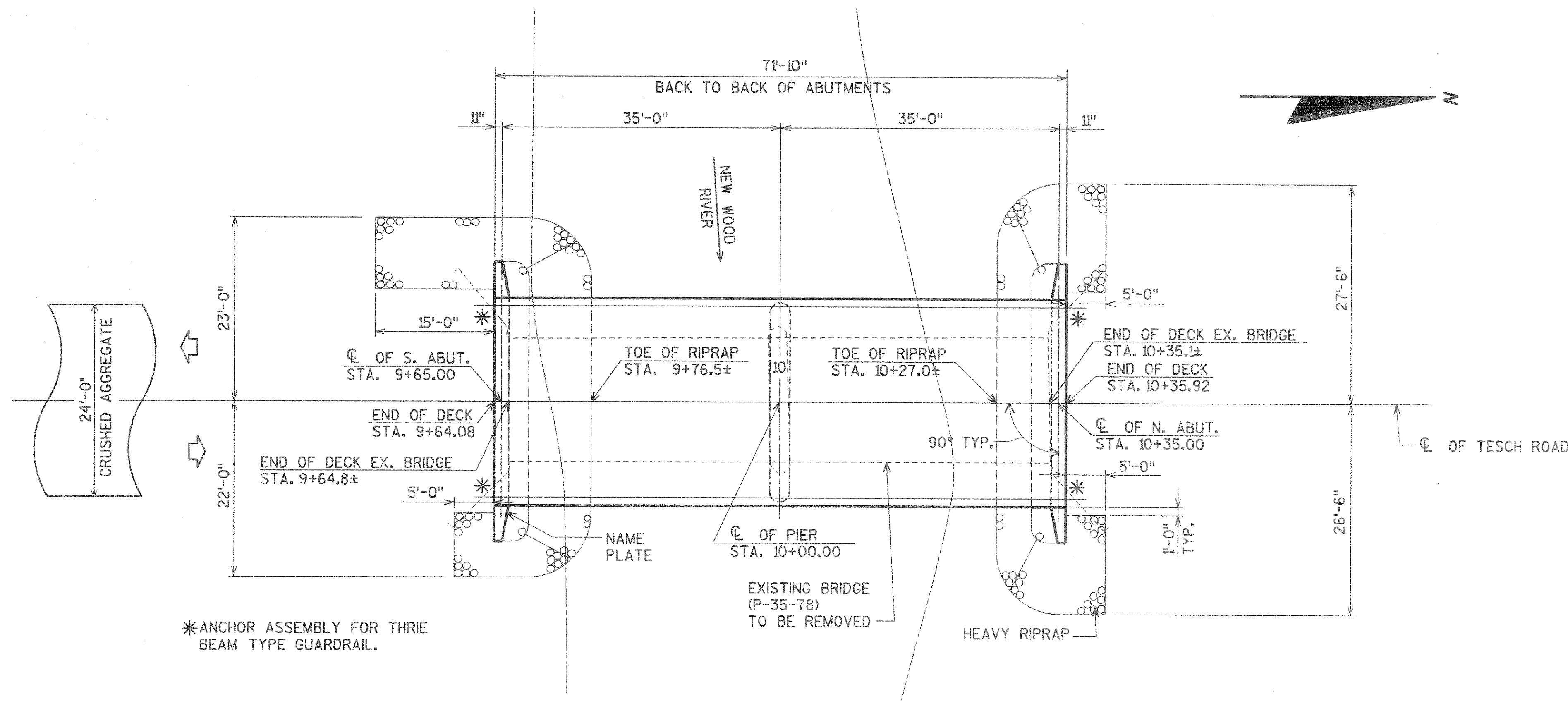
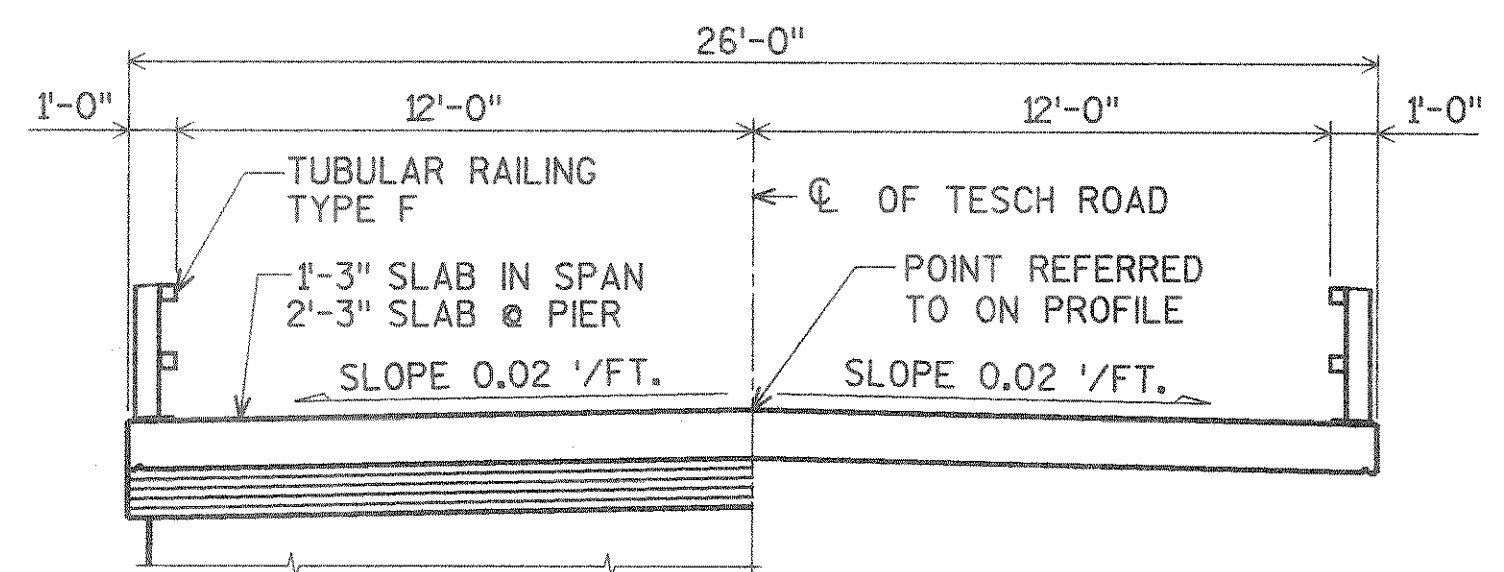


PEN TABLE = collgbr.tbl
 DATE OF PLOT = 01/21/94
 DESIGN FILE IS /usr/work/tr/bridge/5020gp.dgn
 DGN LEVELS ON = 1-63



PLAN
 2 SPAN CONCRETE HAUNCHED SLAB



CROSS SECTION THRU ROADWAY

DESIGN DATA

LIVE LOAD: HS-20 (STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20#/S.F.)
RATINGS: INVENTORY = HS-24 OPERATING = HS-40
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 220 KIPS
ULTIMATE 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.

HYDRAULIC DATA:

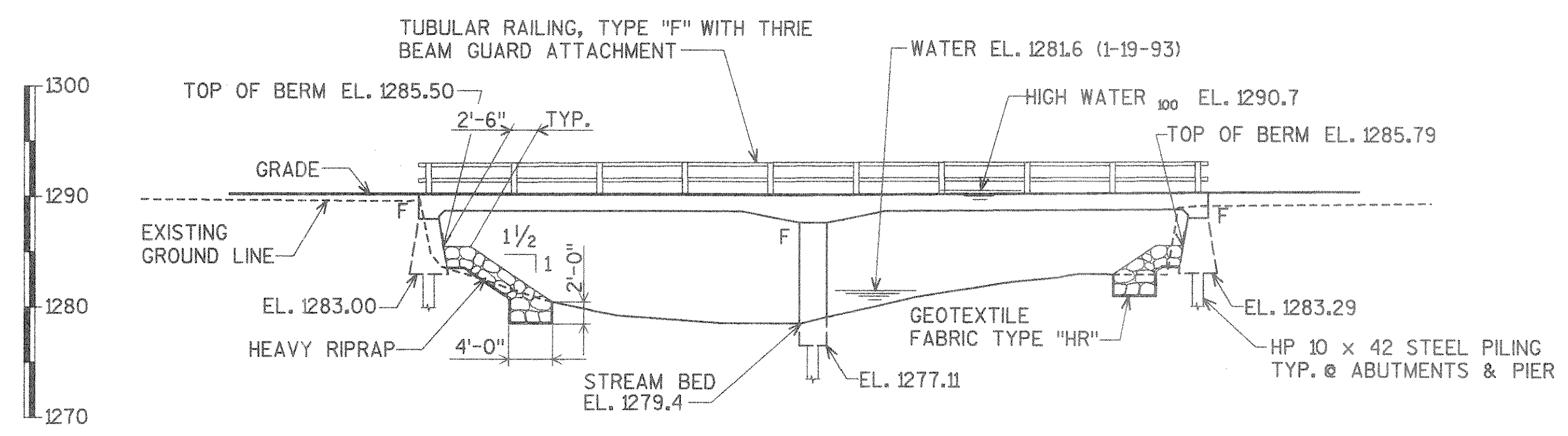
100 YEAR FLOOD
 DRAINAGE AREA = 85.9 sq. mi.
 WATERWAY AREA = 453 sq. ft.
 $V = 8.5$ f.p.s.
 $Q_{100} = 4570$ c.f.s. (BRIDGE = 3840 c.f.s., OVERFLOW = 730 c.f.s.)
FREQUENCY OF OVERTOPPING
 $Q_{40} = 3650$ c.f.s.
 WATER SURFACE EL. 1289.8
 HIGH WATER $_{100}$ EL. 1290.7
 SCOUR CRITICAL CODE = 5

FOUNDATION DATA:

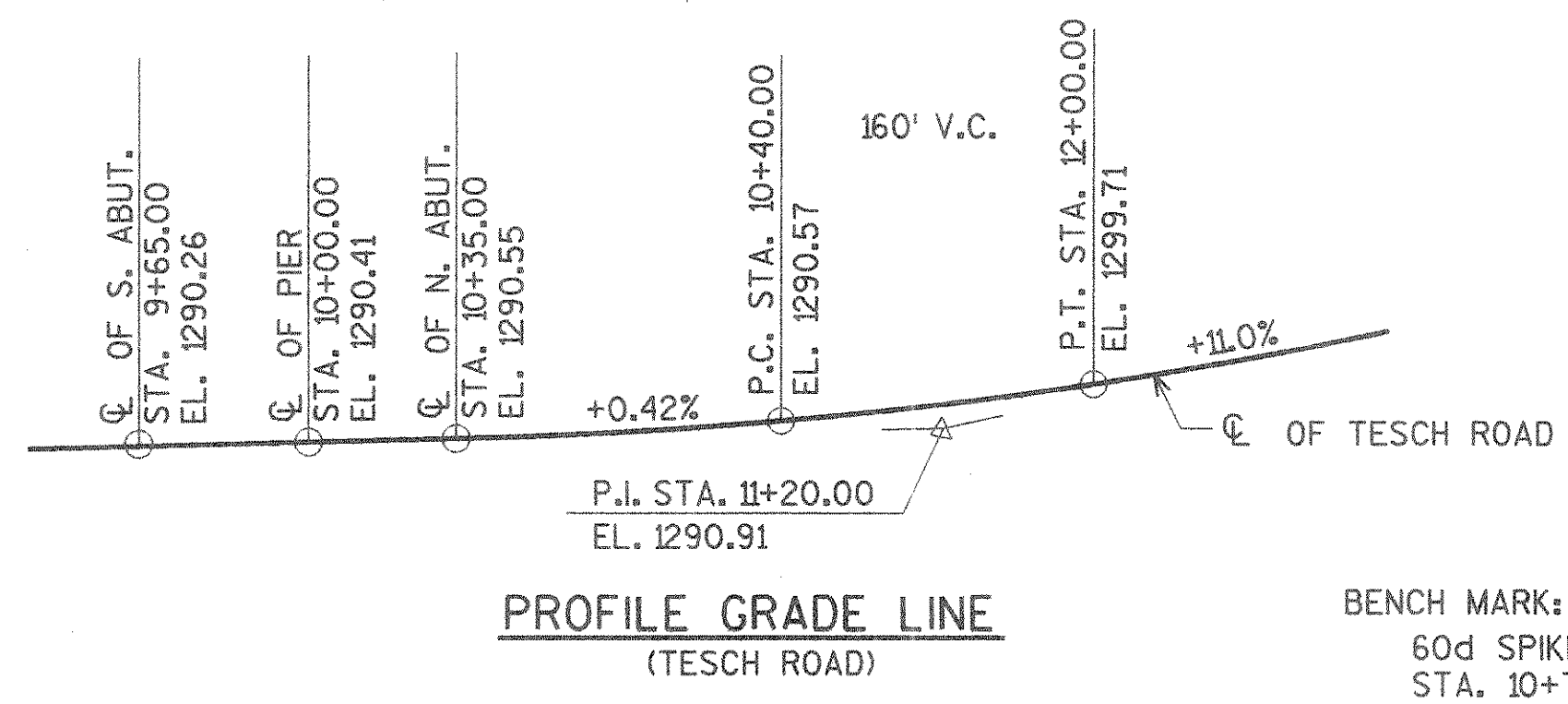
PLACE ABUTMENTS ON HP 10 x 42 STEEL PILING DRIVEN TO 35 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 40'-0".
 PLACE PIER ON HP 10 x 42 STEEL PILING DRIVEN TO 50 TONS/PILE MINIMUM BEARING VALUE. ESTIMATED LENGTH 45'-0".

TRAFFIC DATA:

A.D.T. = 40 (1994)
 A.D.T. = 55 (2014)
 R.D.S. = 25 M.P.H.



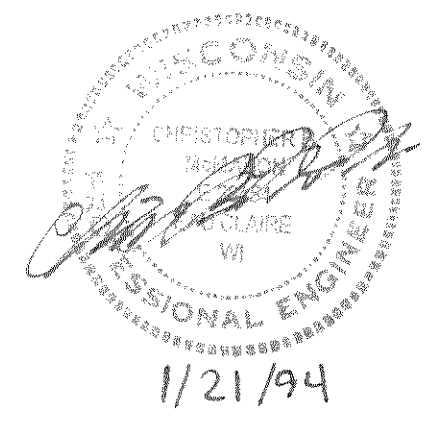
ELEVATION



PROFILE GRADE LINE
 (TESCH ROAD)

LIST OF DRAWINGS

1. GENERAL PLAN
2. QUANTITIES & NOTES
3. SUBSURFACE EXPLORATION
4. ABUTMENTS
5. PIER
6. SUPERSTRUCTURE
7. TUBULAR RAILING TYPE "F"



BRIDGE OFFICE CONTACT:
 C. RAY
 (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-35-125			
TESCH ROAD OVER NEW WOOD RIVER			
County	LINCOLN	Town	HARDING
Design Spec.	A.A.S.H.T.O. '92	Load	HS-20
Designed By	BAO	Const. Spec.	1989
Design Checked	MJT	Drawn By	CLS
Plans Checked	C.B.M.		
Approved	State Bridge Engineer	Date	
GENERAL PLAN			SHEET 1 OF 7

REFERENCE FILES
 STONM:REF ON = 13-56-09-63
 SHRP:REF ON = 1-63