

STATE PROJECT NUMBER	SHEET NO.
9411-03-	

**GENERAL NOTES**

- DRAWINGS SHALL NOT BE SCALED.
- BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
- THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP TO THE EXTENT SHOWN ON THIS SHEET.
- ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
- FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION: M153, TYPE I, II, OR III OR A.A.S.H.T.O. DESIGNATION: M213.
- THE EXISTING STRUCTURE (P-35-33) IS A 53' LONG, SINGLE SPAN LOW STEEL TRUSS BRIDGE.

**DESIGN DATA**

STRUCTURE IS DESIGNED FOR FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

LIVE LOAD:  
 DESIGN RATING \_\_\_\_\_ HS20  
 INVENTORY RATING \_\_\_\_\_ HS22  
 OPERATING RATING \_\_\_\_\_ HS42  
 MAX. STANDARD PERMIT VEHICLE LOAD \_\_\_\_\_ 250 kips

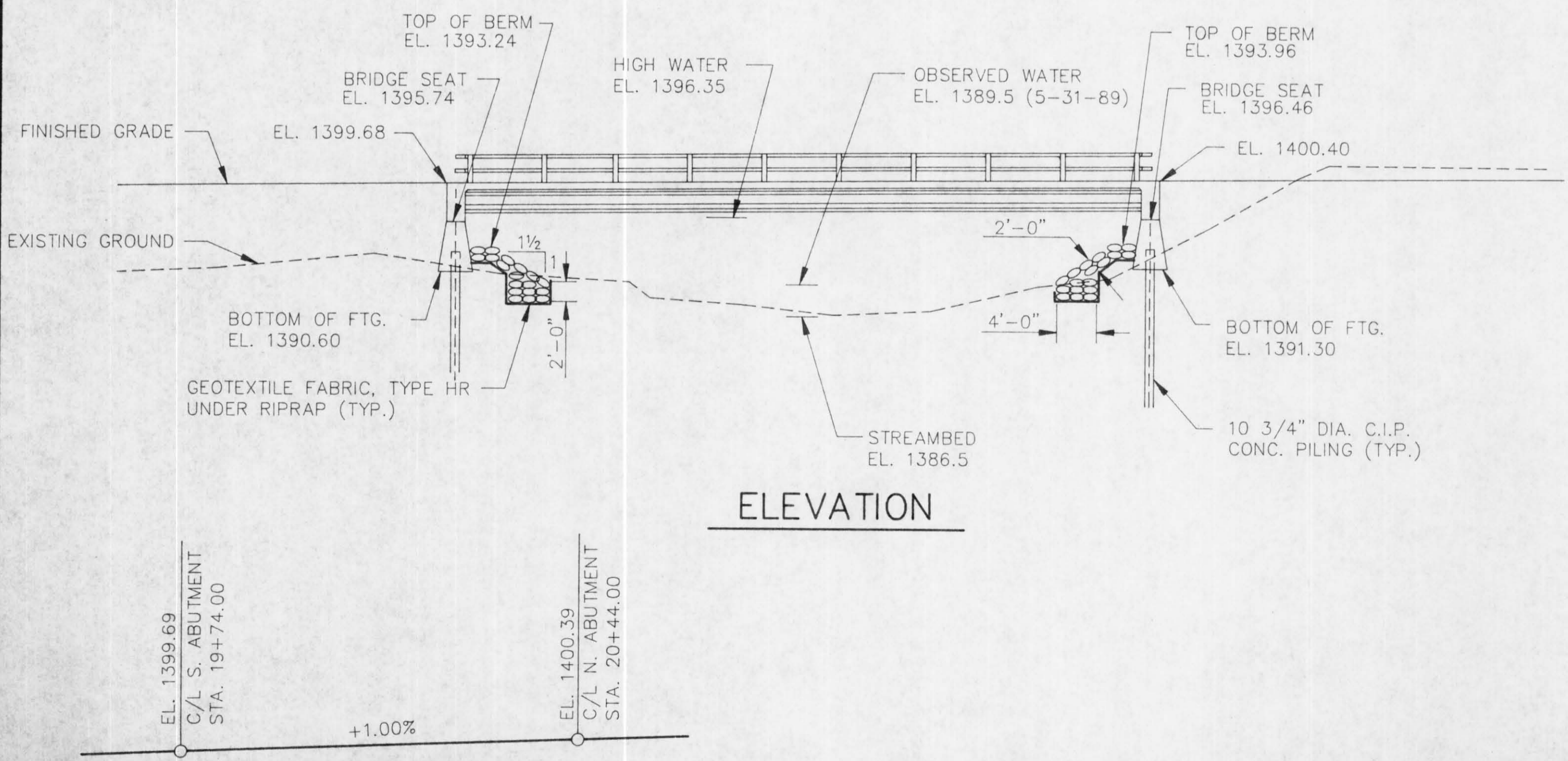
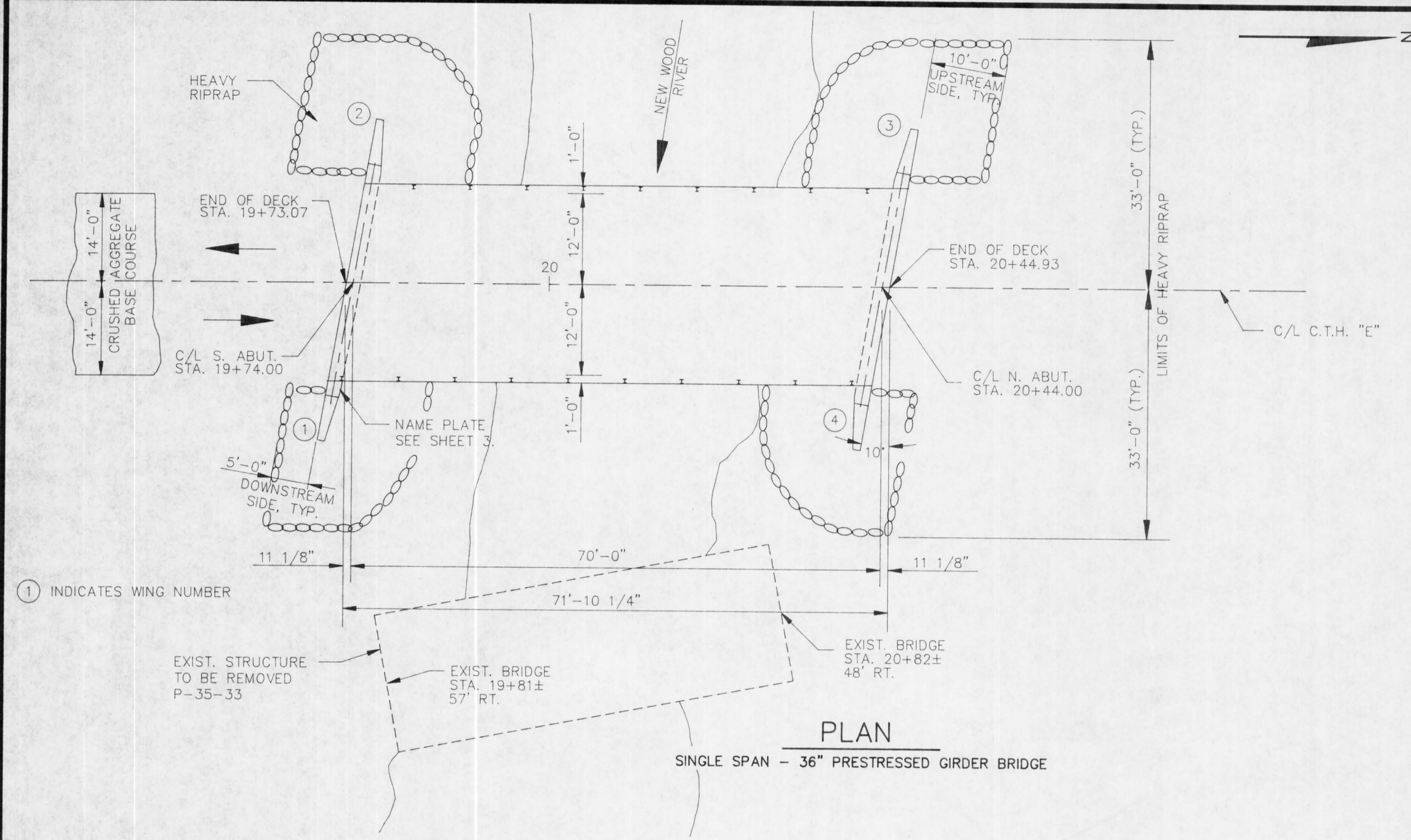
ALLOWABLE DESIGN STRESSES:  
 CONCRETE MASONRY - SLAB \_\_\_\_\_  $f'c = 4,000$  psi  
 ALL OTHER \_\_\_\_\_  $f'c = 3,500$  psi

HIGH STRENGTH BAR  
 STEEL REINFORCEMENT \_\_\_\_\_  $f_y = 60,000$  psi  
 36" PRESTRESSED GIRDER  
 CONCRETE MASONRY \_\_\_\_\_  $f'c = 6,000$  psi  
 STRANDS  $\frac{1}{2}$ " DIA. WITH AN  
 ULTIMATE TENSILE STRENGTH OF 270,000 psi

TRAFFIC DATA:  
 ADT= 50 (1988)  
 ADT= 70 (2011)  
 RDS= 50 M.P.H.

HYDRAULIC DATA:  
 Q 100 \_\_\_\_\_ 2500 C.F.S.  
 Q 100 \_\_\_\_\_ 2500 THRU BRIDGE  
 Q 100 \_\_\_\_\_ N/A OVER ROADWAY  
 VELOCITY \_\_\_\_\_ 5.98 F.P.S.  
 HIGH WATER \_\_\_\_\_ EL. 1396.35  
 WATERWAY AREA \_\_\_\_\_ 425 S.F.  
 DRAINAGE AREA \_\_\_\_\_ 53 SQ. MILES  
 ROADWAY OVERTOPPING FREQUENCY \_\_\_\_\_ N/A YEARS  
 Q= \_\_\_\_\_ N/A C.F.S.  
 HIGH WATER \_\_\_\_\_ N/A

FOUNDATION DATA:  
 ABUTMENTS TO BE SUPPORTED ON 10 3/4" DIA. C.I.P. CONC. PILING, ESTIMATED 45'-0" LONG AND DRIVEN TO A MINIMUM BEARING VALUE OF 55 TONS PER PILE.



PROPOSED GRADE LINE

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
1	20+30	CHISELED "□" IN NORTH ABUTMENT	34' RT. 1396.59

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

LIST OF DRAWINGS ( )

- GENERAL PLAN
- GENERAL PLAN
- SUBSURFACE EXPLORATION
- ABUTMENTS
- SUPERSTRUCTURE
- 36" PRESTRESSED GIRDER DETAILS
- STEEL DIAPHRAGM ALTERNATE
- TUBULAR RAILING, TYPE F

NO.	DATE	REVISION	BY
<b>OMNI ENGINEERS</b>			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-XX-XX			
C.T.H. "E" OVER NEW WOOD RIVER			
COUNTY	LINCOLN	TOWN OF	HARDING
DESIGN SPEC.	AASHTO '89	LOAD	HS20
DESIGNED BY	OMNI	DESIGN CK'D.	JWT
DRAWN BY	OMNI	PLANS CK'D.	JWT
APPROVED	STATE BRIDGE ENGINEER		DATE
GENERAL PLAN			SHEET 1 OF 8
			X