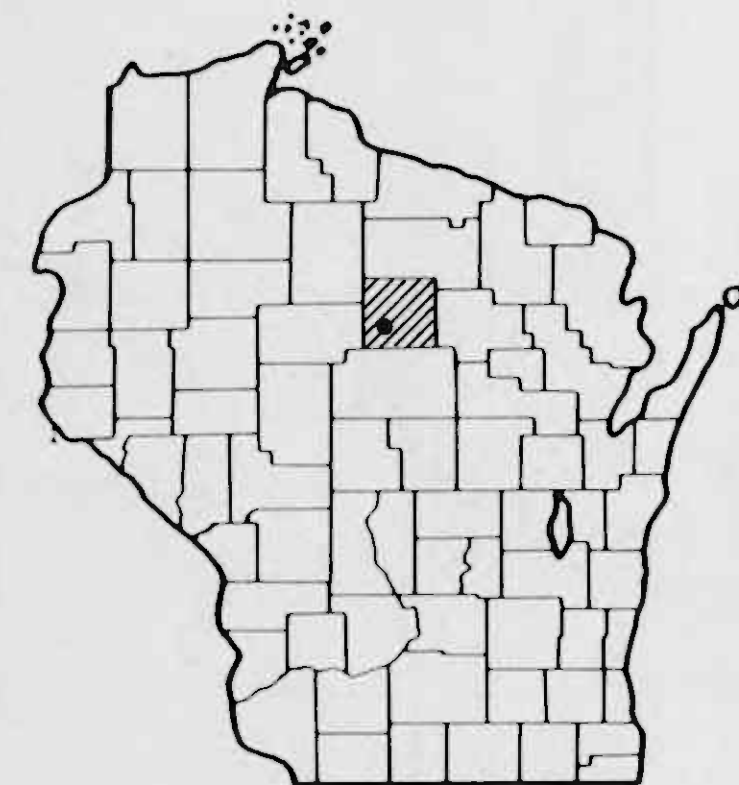


Index of Sheets

Sheet No.	1	Title
Sheet No.		Typical Sections and Details
Sheet No.		Estimate of Quantities
Sheet No.		Miscellaneous Quantities
Sheet No.		Right of Way Plat
Sheet No.		Plan and Profile
Sheet No.		Standard Detail Drawings
Sheet No.		Standard Sign Plates
Sheet No.		Structure Plans
Sheet No.		Computer Earthwork Data
Sheet No.		Cross Sections

TOTAL SHEETS =



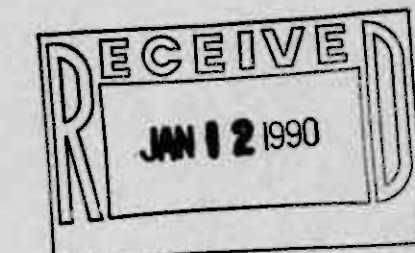
# STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

## PLAN OF PROPOSED IMPROVEMENT

### NEW WOOD RIVER BRIDGE & APPROACHES C.T.H. "E" LINCOLN COUNTY

STATE PROJECT NUMBER  
**9411-03-**

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9411-03-		



Design Designation

A.D.T. (1988)	=	50
A.D.T. (2011)	=	70
D.H.V. (2011)	=	10
D.	=	50-50%
T. (% OF A.D.T.)	=	6
V.	=	50 M.P.H.

Conventional Signs

County Line	---
Township or Range Line	- - - - -
Section Line	.....
Corporate or City Limits	//////
Property line	-----
Lot Line	.....
Existing Right of Way Line	-----
New Right of Way Line	-----
Base or Survey Line	-----
Slope Intercept	-----
Existing Roadway or Private Entrance	-----

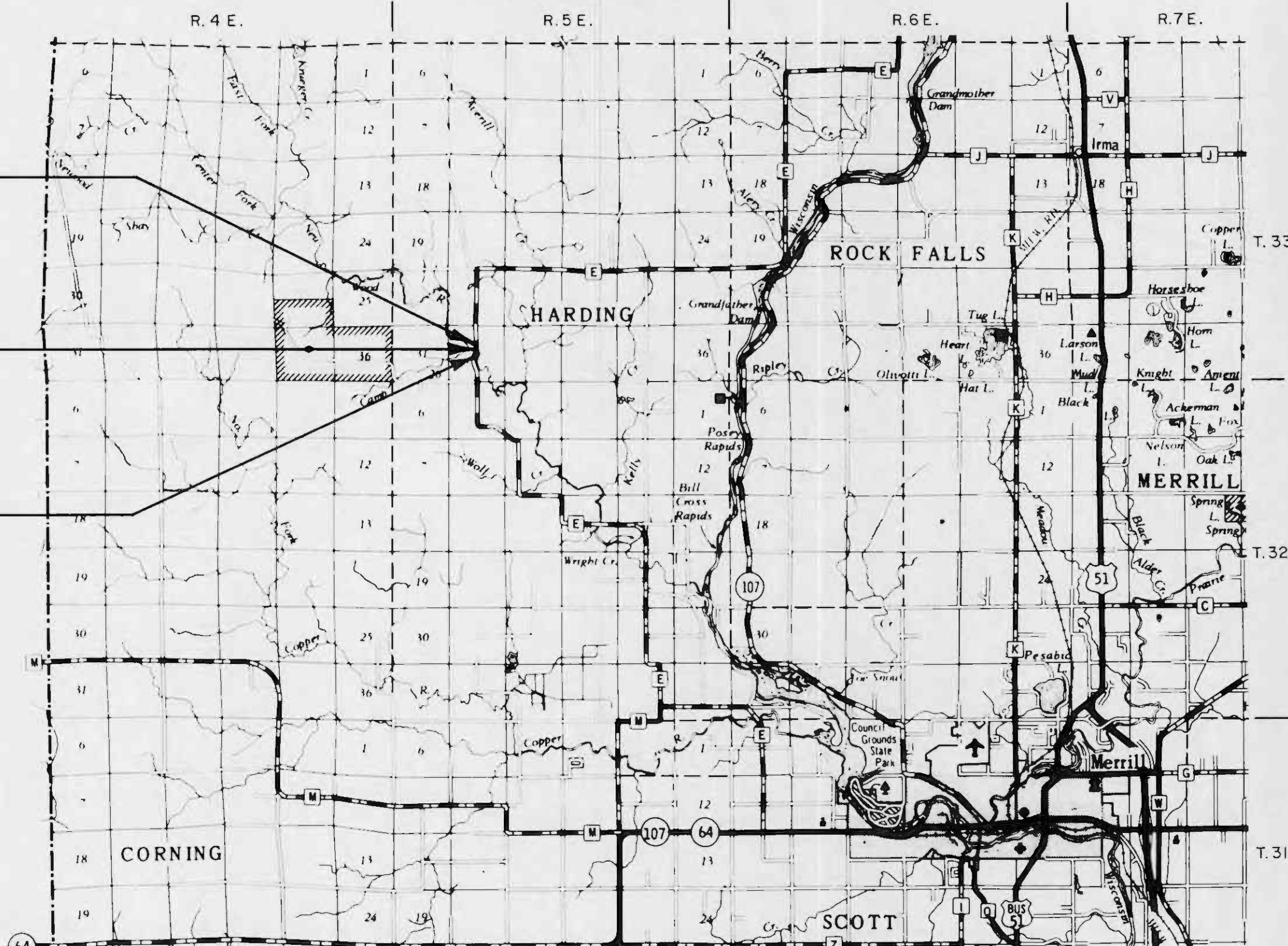
Caution Symbol (Combustible fluids under pressure)	
Railroads	+++++
Fence	XXXXX
Culverts in Place	-----
Culverts Required	-----
Power Pole	-----
Telephone or Telegraph Pole	-----
Right of Way Markers	-----
Marsh	-----
Wooded Area	-----
Grade Elevation	-----

END PROJECT  
STA. 22+00

STRUCTURE B-

BEGIN PROJECT  
STA. 14+00

Y- 535,200 (±100')  
X- 2,028,400 (±100')



PRELIMINARY

PRINTED

JAN 9 1990

Layout  
Scale 0 1 2 Mi.

Total Net Length of Centerline = 0.152 Mi. RURAL

NOTE: ALL COORDINATES ON THIS PLAN ARE SCALED FROM U.S.G.S. TOPOGRAPHIC MAP, NATZKE CAMP, WISCONSIN, FOR IDENTIFICATION ONLY.  
ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO U.S.G.S. DATUM - BM 1397 CHISELED "□" IN NORTH HEADWALL - C.T.H. "E" OVER NEW WOOD RIVER (P-35-0033) - EL. 1396.590

APPROVED FOR  
LINCOLN COUNTY:

Date \_\_\_\_\_ Commissioner \_\_\_\_\_

ORIGINAL PLANS PREPARED BY  
**OMNI ENGINEERS**  
APPLETON, WISCONSIN

Date \_\_\_\_\_ Signature \_\_\_\_\_

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

Surveyor OMNI ENGINEERS District Checker \_\_\_\_\_  
Designer OMNI ENGINEERS C. O. Plan Examiner \_\_\_\_\_  
District Supervisor R.J.S. C.O. Coordinator \_\_\_\_\_

Approved: \_\_\_\_\_  
Date \_\_\_\_\_ District Director \_\_\_\_\_

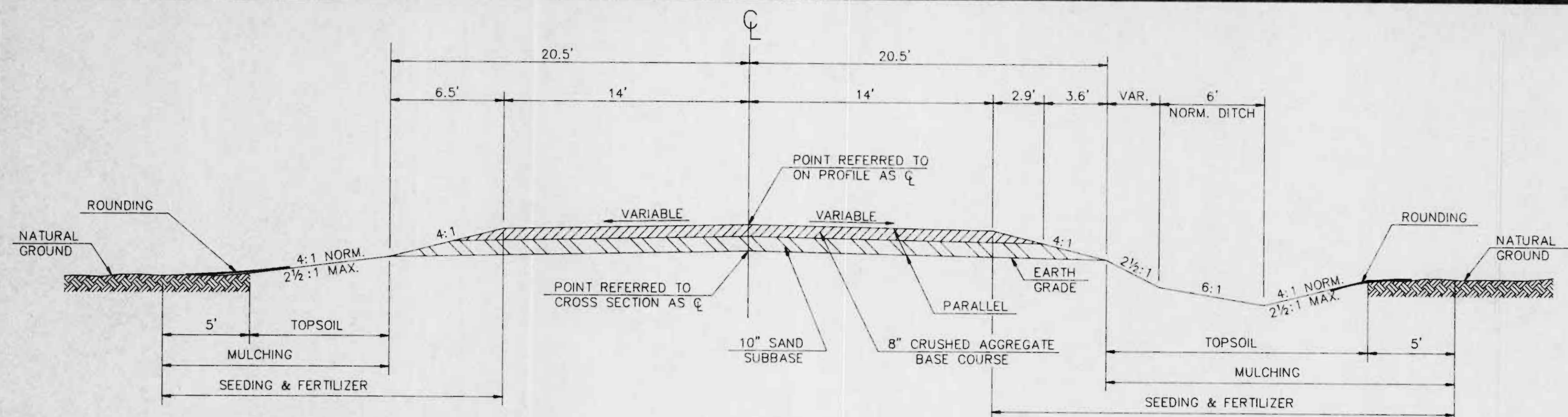
Approved: \_\_\_\_\_  
Date \_\_\_\_\_ Regional Chief Road Design Engineer \_\_\_\_\_

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
REGION 5 WISCONSIN DIVISION

Approved: \_\_\_\_\_  
Date \_\_\_\_\_ Division Administrator \_\_\_\_\_



STATE PROJECT NUMBER	SHEET NO.
9411-03-	
TYPICAL SECTION, GENERAL NOTES, UTILITIES & STANDARD DETAIL DRAWINGS	



STA. 19+40 TO STA. 19+73 AND STA. 20+45 TO STA. 20+80  
2" ASPHALTIC SURFACE REQ'D. (TAPER TO STRUCTURE)

**TYPICAL SECTION**

**GENERAL NOTES**

- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
- THE ALLOWANCE USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 30%.
- WHEN THE QUANTITY OF ITEMS SUBBASE OR BASE COURSE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OF THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF MATERIAL AS DIRECTED BY THE ENGINEER.
- ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE TOPSOILED, FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER. SEED SHALL BE MIXTURE NO. 20. FERTILIZER SHALL BE TYPE "B".
- WISCONSIN DEPARTMENT OF TRANSPORTATION WILL FURNISH A BRASS MARKER TO BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
- THE EXACT LOCATION AND LIMITS OF THE FIELD ENTRANCE SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ALL SILT FENCE, DELIVERED, SHALL MEET THE REQUIREMENTS FOR SANDY SOIL.
- THE EXACT LOCATIONS OF ALL EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- PROPERTY LINES AS SHOWN ARE APPROXIMATE.

**STANDARD ABBREVIATIONS**

AH.	AHEAD	N.	NORTH
A.D.T.	AVERAGE DAILY TRAFFIC	NORM.	NORMAL
ASPH.	ASPHALT	NO.	NUMBER
B.M.	BENCH MARK	PAV'T.	PAVEMENT
BK.	BACK	P.C.	POINT OF CURVATURE
☉	CENTERLINE	P.E.	PRIVATE ENTRANCE
CL.	CLASS	P.I.	POINT OF INTERSECTION
CONC.	CONCRETE	P.K.	PARKER-KALON FASTENER
C.S.C.P.	CORRUGATED STEEL CULVERT PIPE	P.L.	PROPERTY LINE
C.T.H.	COUNTY TRUNK HIGHWAY	P.T.	POINT OF TANGENCY
C.Y.	CUBIC YARD	P.O.T.	POINT ON TANGENT
CWT.	HUNDRED WEIGHT	R.	RADIUS
D.H.V.	DESIGN HOUR VOLUME	R.C.P.	REINFORCED CONCRETE PIPE
D.	DIRECTIONAL SPLIT	RD.	ROAD
E.	EAST	REQ'D.	REQUIRED
EA.	EACH	RT.	RIGHT
EL.	ELEVATION	R/W	RIGHT-OF-WAY
F.L.	FLOWLINE	S.	SOUTH
'/, FT./FT.	FOOT PER FOOT	S.F.	SQUARE FEET
IN.	INCH	S.Y.	SQUARE YARD
LB.	POUND	☉	SURVEY LINE
L.F.	LINEAR FOOT	S.T.H.	STATE TRUNK HIGHWAY
L.S.	LUMP SUM	STA.	STATION
LT.	LEFT	T.	PERCENT TRUCK TRAFFIC
M.H.	MANHOLE	TYP.	TYPICAL
MAX.	MAXIMUM	UNCL.	UNCLASSIFIED
MI.	MILE	V.	DESIGN SPEED
M.P.H.	MILE PER HOUR	V.C.	VERTICAL CURVE
MIN.	MINIMUM	VAR.	VARIABLE
		W.	WEST

**UTILITIES**

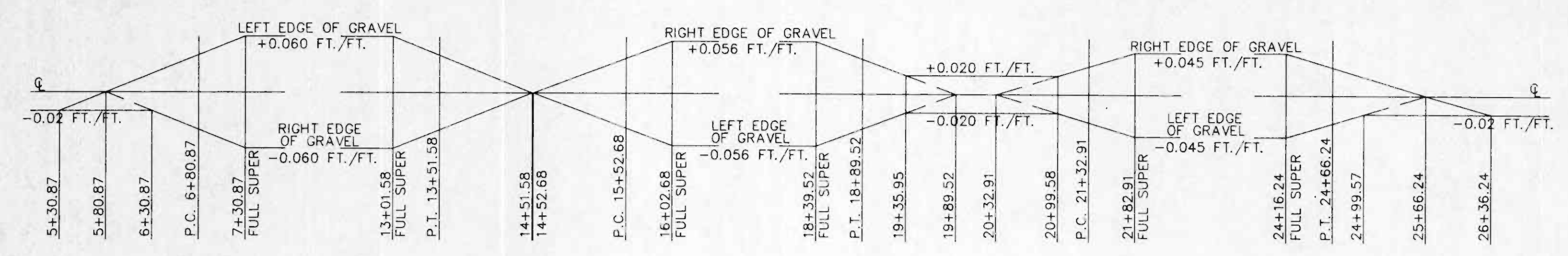
ELECTRIC	WISCONSIN PUBLIC SERVICE CORPORATION 3200 E. MAIN STREET MERRILL, WISCONSIN 54452 ATT: MR. ROGER WEEGE TELEPHONE: (715) 536-5541
DIGGERS HOTLINE	CABLE LOCATE TELEPHONE: (800) 242-8511 (TOLL FREE)

**STANDARD DETAIL DRAWINGS**

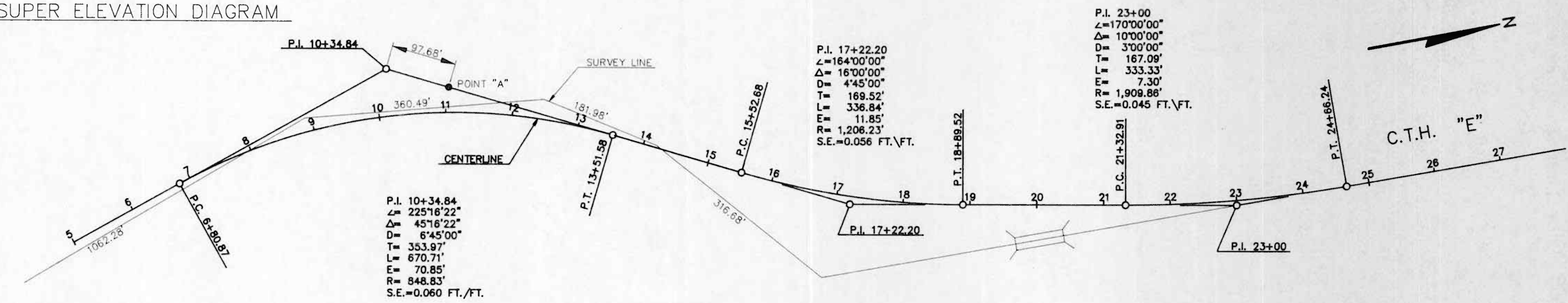
8E8-1	TYPICAL INSTALLATIONS OF EROSION BALES
8E9-3	SILT FENCE
8F1-10a	APRON ENDWALLS FOR CULVERT PIPE
12A3-4	NAME PLATE - STRUCTURES
15C2-2	BARRICADES AND TRAFFIC CONTROL FOR ROAD CLOSURES
15C6-2	TRAFFIC CONTROL DEVICES FOR TWO LANE BRIDGES



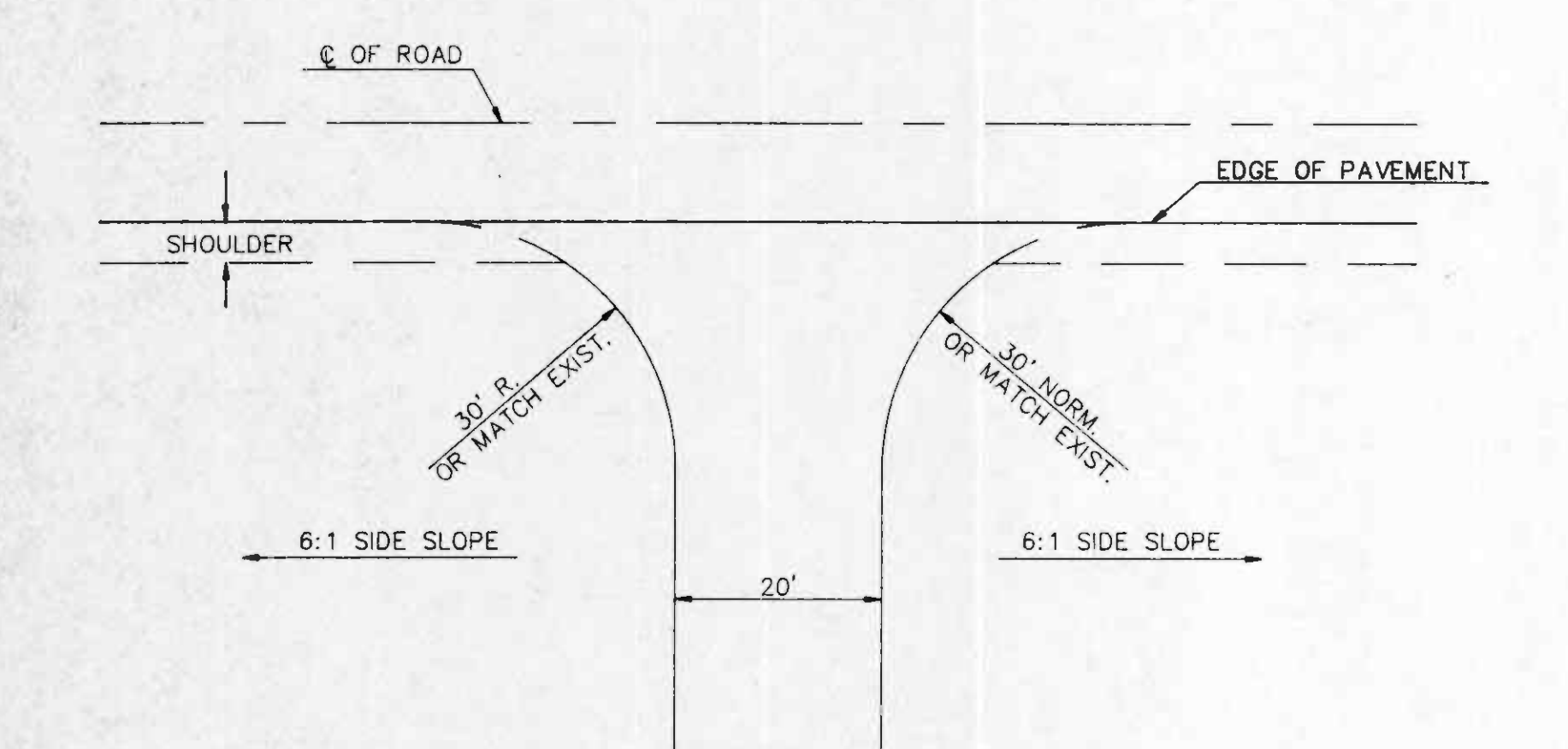
STATE PROJECT NUMBER	SHEET NO.
9411-03-	
CONSTRUCTION DETAILS	
FOR LINCOLN COUNTY	
C.T.H. "E"	



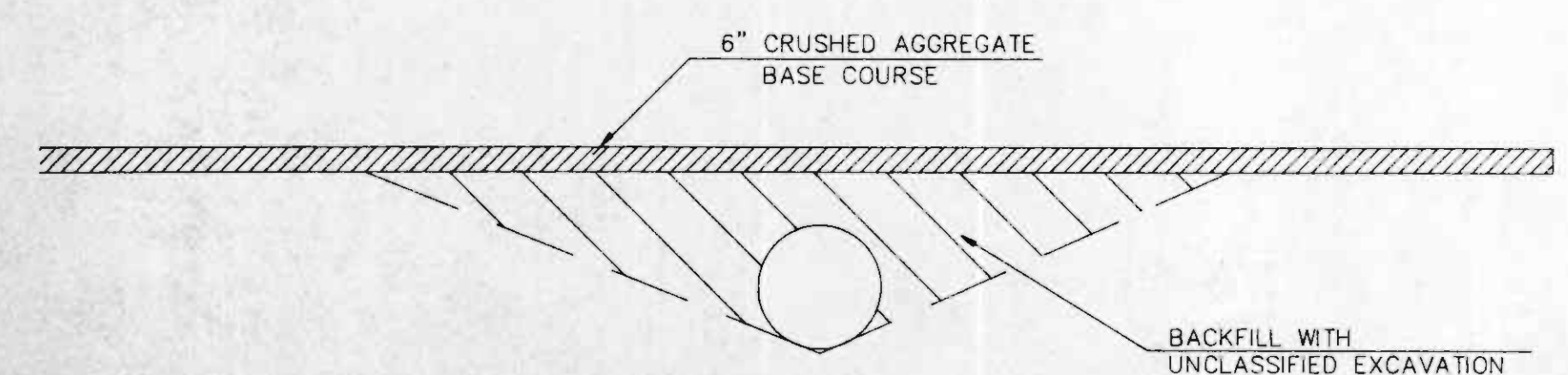
SUPER ELEVATION DIAGRAM



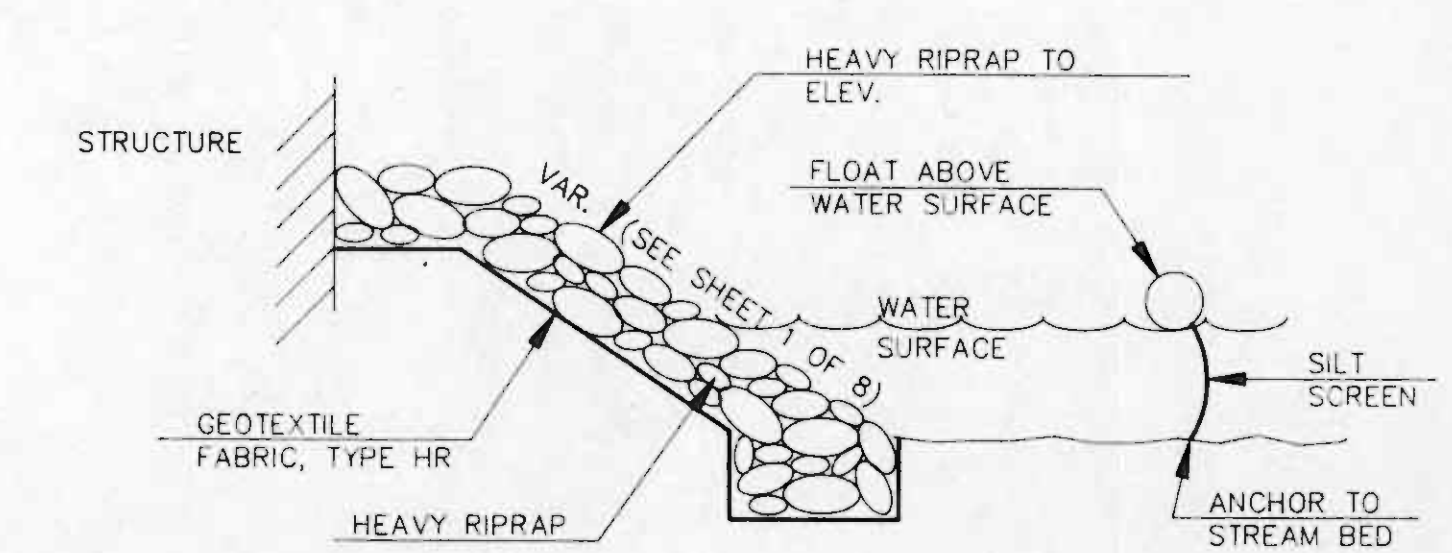
ALIGNMENT SKETCH



PLAN OF FIELD ENTRANCE

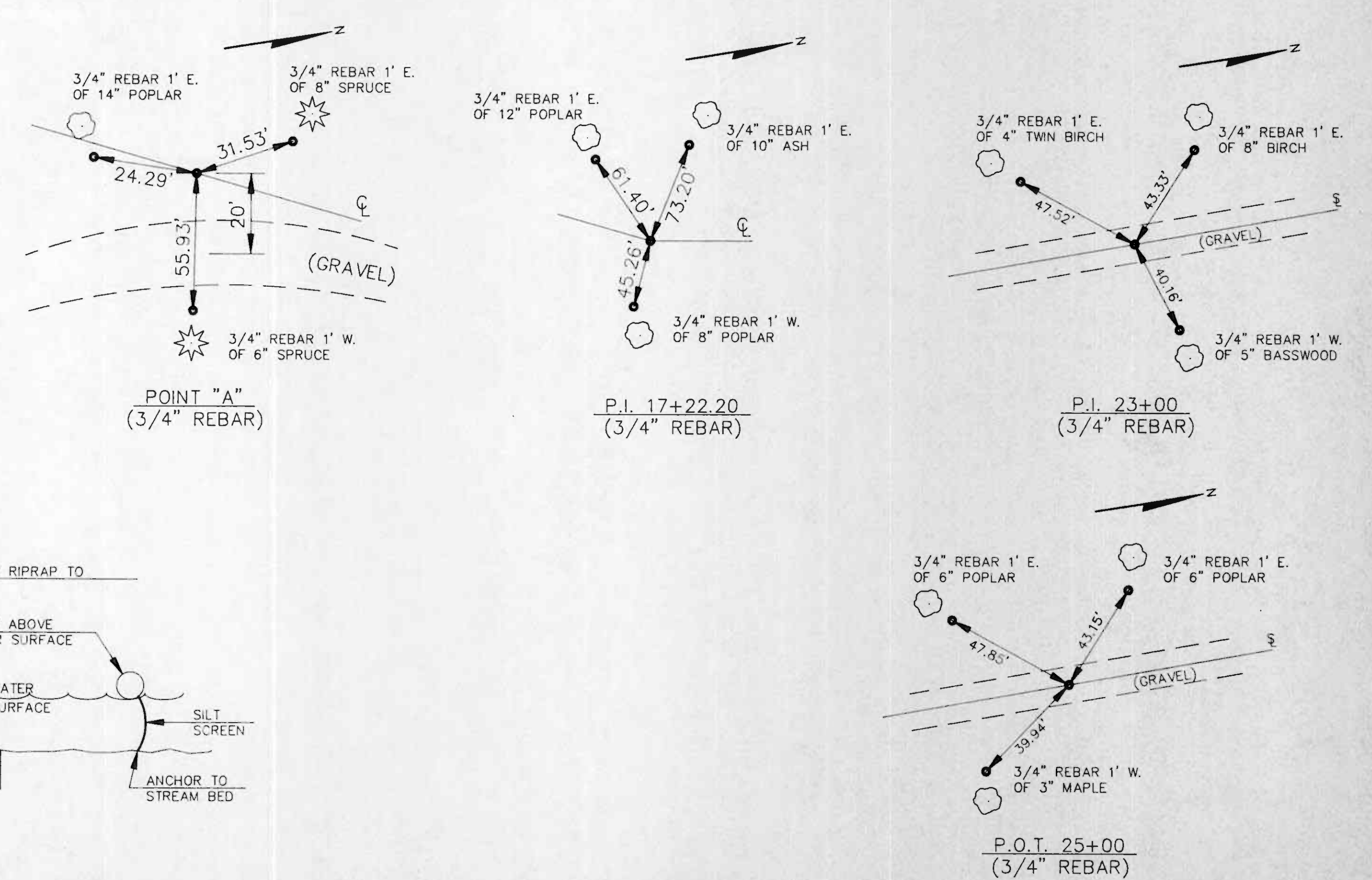


PROFILE OF FIELD ENTRANCE



NOTE: GEOTEXTILE FABRIC TO BE PLACED ON SLOPES PRIOR TO PLACEMENT OF HEAVY RIPRAP.

DETAIL FOR SILT SCREEN



ALIGNMENT TIES



DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES

CLEARING AND GRUBBING

STATION TO STATION	CLEARING STATIONS	GRUBBING STATIONS
14+00 - 22+00	8	8
TOTALS	8	8

OBLITERATING OLD ROAD

STATION TO STATION	STATIONS
4+00 - 11+00	7
TOTALS	7

CROSS DRAINS

STATION	LOCATION	DIAMETER INCHES	LENGTH FEET	TYPE	CLASS	THICKNESS STEEL INCH	ALUMINUM INCH	APRON ENDWALLS EACH
16+50	CTH "E"	36	2 @ 70	C.P.	III	0.109	0.105	4

FIELD ENTRANCE PIPES

STATION	LOCATION	DIAMETER INCHES	LENGTH FEET	TYPE	CLASS	THICKNESS STEEL INCH	ALUMINUM INCH	APRON ENDWALLS EACH
21+00	F.E. RT.	24	34	C.P.	III	0.079	0.075	2

SAND SUBBASE

STATION TO STATION	LOCATION	C.Y.
14+00 - 19+73	CTH "E" (SOUTH)	826
20+45 - 22+00	CTH "E" (NORTH)	224
TOTALS		1050

CRUSHED AGGREGATE BASE COURSE

STATION TO STATION	LOCATION	C.Y.
14+00 - 19+73	CTH "E" (SOUTH)	550
20+45 - 22+00	CTH "E" (NORTH)	149
21+00	F.E. RT.	41
TOTALS		740

ASPHALTIC SURFACE

STATION TO STATION	LOCATION	TONS	REMARKS
19+40 - 19+73	CTH "E" (SOUTH)	11	TAPER TO STRUCT.
20+45 - 20+80	CTH "E" (NORTH)	11	TAPER TO STRUCT.
TOTALS		22	

TOPSOIL, MULCHING, FERTILIZER AND SEEDING

STATION TO STATION	LOCATION	TOPSOIL S.Y.	MULCHING S.Y.	FERTILIZER TYPE "B" CWT.	SEEDING MIX NO. 20 LBS.
14+00 - 19+73	CTH "E" (SOUTH)	1863	2492	2.3	60
20+45 - 22+00	CTH "E" (NORTH)	692	863	0.8	20
OBLITERATING OLD ROAD		5445	5445	3.9	10
TOTALS		8000	8800	7.0	90

SILT FENCE, DELIVERED AND INSTALLED

STATION TO STATION	LOCATION	L.F.
18+00 - 19+71	RT.	200
16+00 - 19+75	LT.	400
20+43 - 21+00	RT.	75
20+47 - 21+00	LT.	75
TOTALS		750

SILT FENCE MAINTENANCE

STATION TO STATION	LOCATION	L.F.
18+00 - 19+71	RT.	400
16+00 - 19+75	LT.	800
20+43 - 21+00	RT.	150
20+47 - 21+00	LT.	150
TOTALS		1500

EROSION BALES, DELIVERED AND INSTALLED

LOCATION	EACH
UNDISTRIBUTED	20
TOTALS	20

SILT SCREEN

LOCATION	L.F.
SOUTH ABUTMENT	75
NORTH ABUTMENT	75
TOTALS	150

SIGNS, TYPE II, REFLECTIVE

STATION	LOCATION	REFLECTIVE SIGNS		WOOD POSTS 4x4-INCH x 10 FT. EACH
		W5-52L S.F.	W5-52R S.F.	
19+71	RT.	-	3	1
19+75	LT.	3	-	1
20+43	RT.	-	3	1
20+47	LT.	3	-	1
TOTALS		6	6	4

STATE PROJECT NUMBER

9411-03-

SHEET NO.

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES

FOR INFORMATION ONLY

NOT PART OF CONTRACT

CLEARING AND GRUBBING

STATION TO STATION	CLEARING STATIONS	GRUBBING STATIONS
5+00 - 14+00	9	9
27	5	5
TOTALS	14	14

SAND SUBBASE

STATION TO STATION	LOCATION	C.Y.
5+00 - 14+00	CTH "E" (SOUTH)	1318
22+00 - 27+00	CTH "E" (NORTH)	732
TOTALS		2050

CRUSHED AGGREGATE BASE COURSE

STATION TO STATION	LOCATION	C.Y.
5+00 - 14+00	CTH "E" (SOUTH)	868
22+00 - 27+00	CTH "E" (NORTH)	482
TOTALS		1350

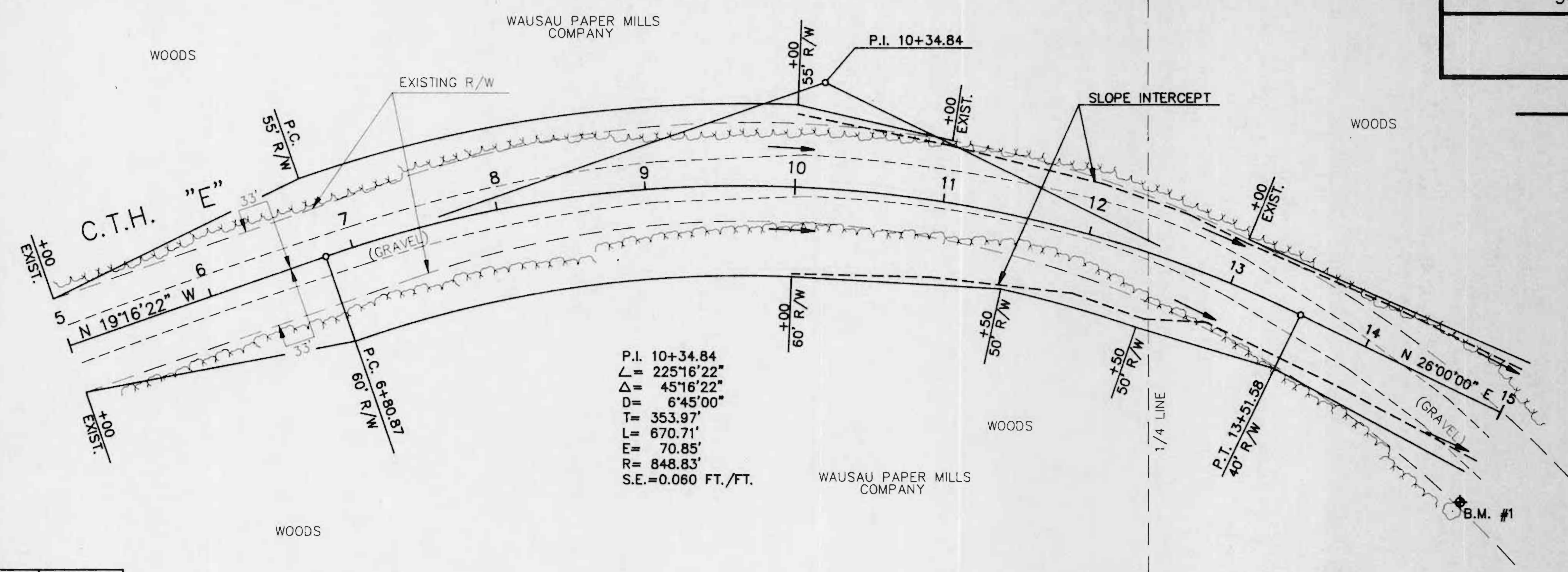
TOPSOIL, MULCHING, FERTILIZER AND SEEDING

STATION TO STATION	LOCATION	TOPSOIL S.Y.	MULCHING S.Y.	FERTILIZER TYPE "B" CWT.	SEEDING MIX NO. 20 LBS.
5+00 - 14+00	CTH "E" (SOUTH)	4597	5449	4.8	124
22+00 - 27+00	CTH "E" (NORTH)	1903	2351	2.2	56
TOTALS		6500	7800	7.0	180



STATE PROJECT NUMBER  
9411-03-

SHEET NO.

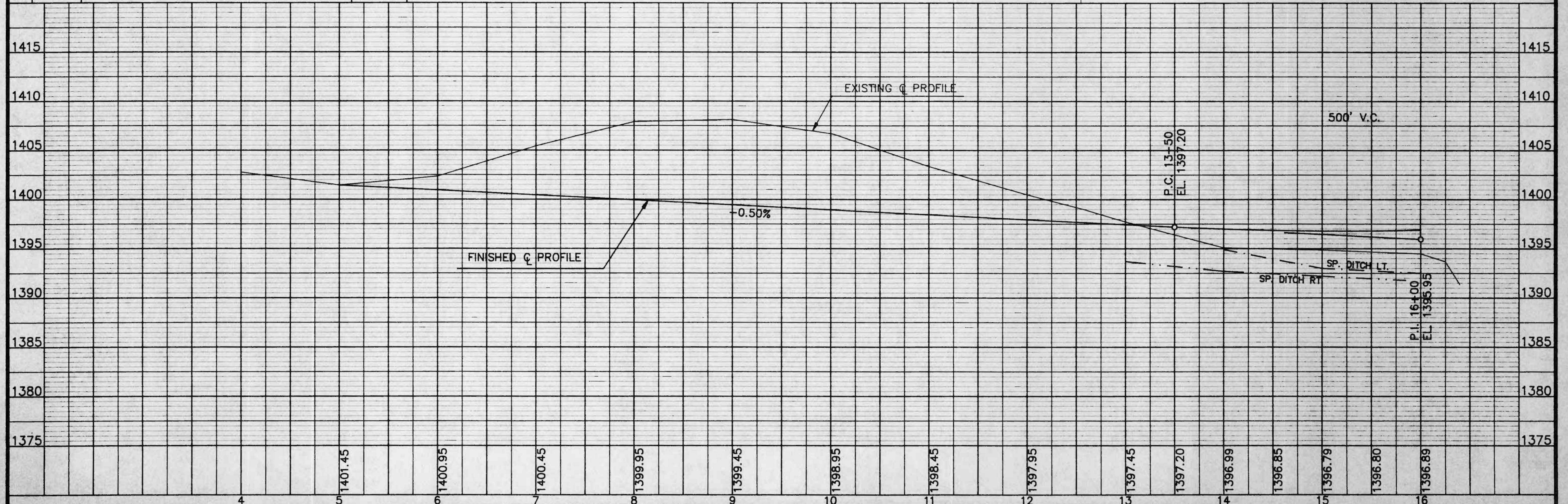


P.I. 10+34.84  
 $\Delta = 225^\circ 16' 22''$   
 $\Delta = 45^\circ 16' 22''$   
 $D = 6^\circ 45' 00''$   
 $T = 353.97'$   
 $L = 670.71'$   
 $E = 70.85'$   
 $R = 848.83'$   
 $S.E. = 0.060 \text{ FT./FT.}$

BENCH MARKS

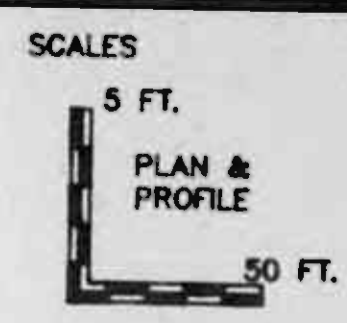
NO.	STATION	DESCRIPTION	ELEVATION
1	15+02	P.K. NAIL IN 8" POPLAR	74' RT. 1394.32
2	20+30	CHISELED "B" IN NORTH ABUTMENT	34' RT. 1396.59

FOR INFORMATION ONLY  
 NOT PART OF CONTRACT



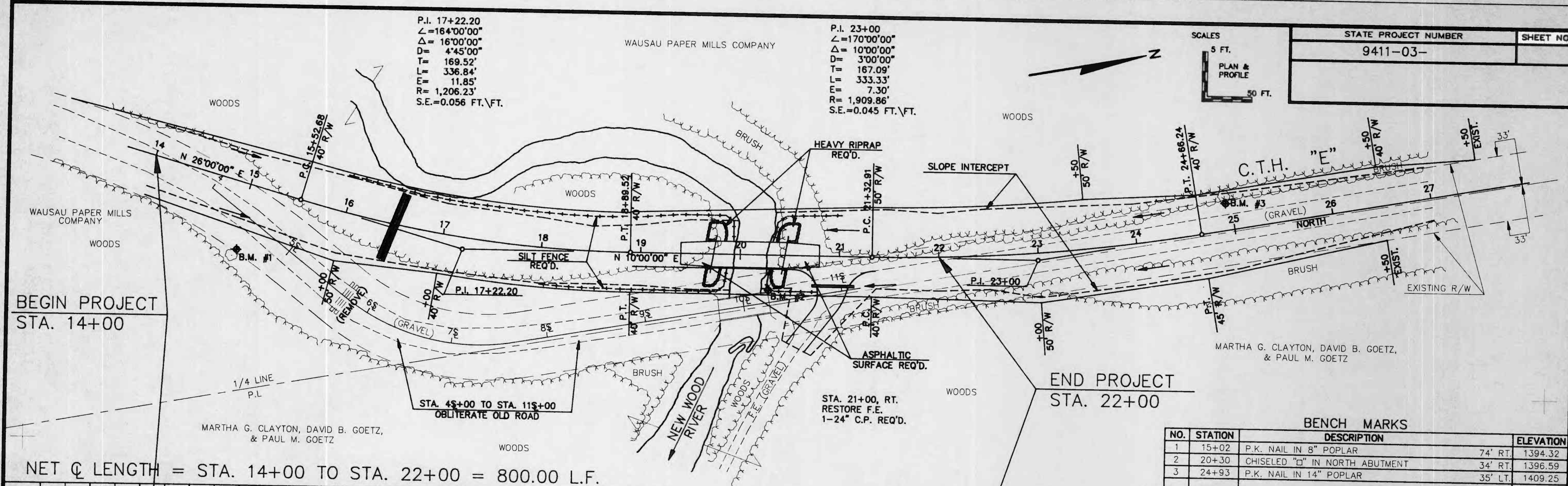


STATE PROJECT NUMBER	SHEET NO.
9411-03-	



P.I. 17+22.20  
 $\angle = 164^{\circ}00'00''$   
 $\Delta = 16^{\circ}00'00''$   
 $D = 4^{\circ}45'00''$   
 $T = 169.52'$   
 $L = 336.84'$   
 $E = 11.85'$   
 $R = 1,206.23'$   
 $S.E. = 0.056 \text{ FT.} \sqrt{\text{FT.}}$

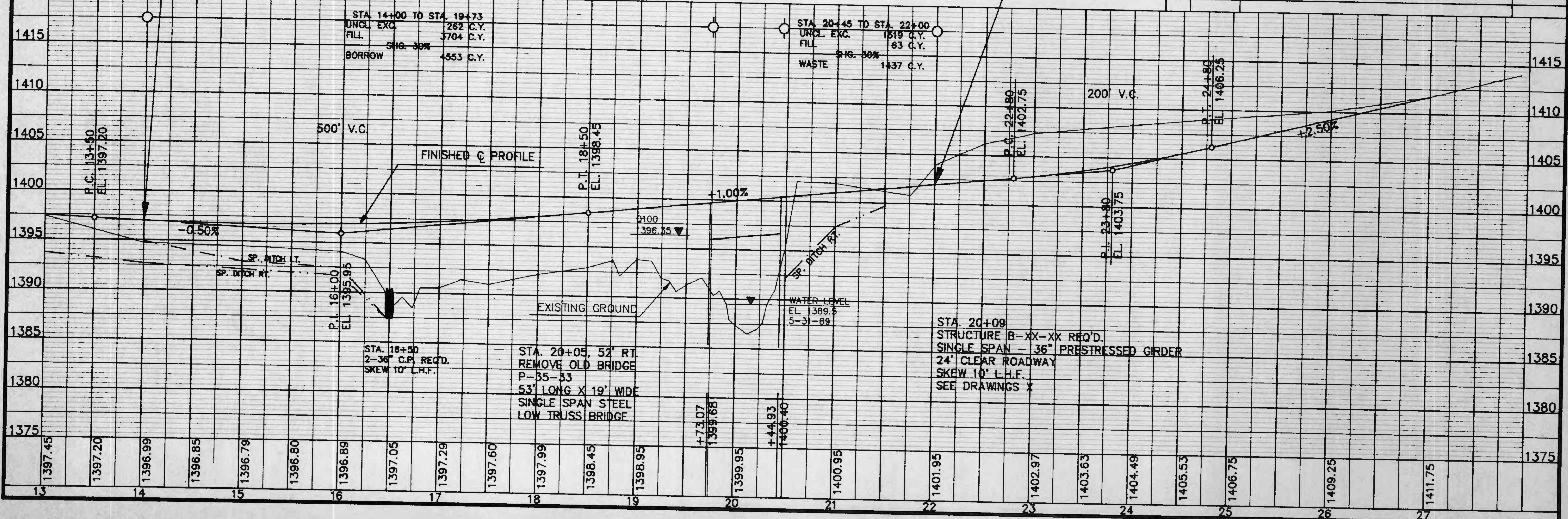
P.I. 23+00  
 $\angle = 170^{\circ}00'00''$   
 $\Delta = 10^{\circ}00'00''$   
 $D = 3^{\circ}00'00''$   
 $T = 167.09'$   
 $L = 333.33'$   
 $E = 7.30'$   
 $R = 1,909.86'$   
 $S.E. = 0.045 \text{ FT.} \sqrt{\text{FT.}}$



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEVATION
1	15+02	P.K. NAIL IN 8" POPLAR	74' RT. 1394.32
2	20+30	CHISELED "G" IN NORTH ABUTMENT	34' RT. 1396.59
3	24+93	P.K. NAIL IN 14" POPLAR	35' LT. 1409.25

NET  $\bar{C}$  LENGTH = STA. 14+00 TO STA. 22+00 = 800.00 L.F.





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

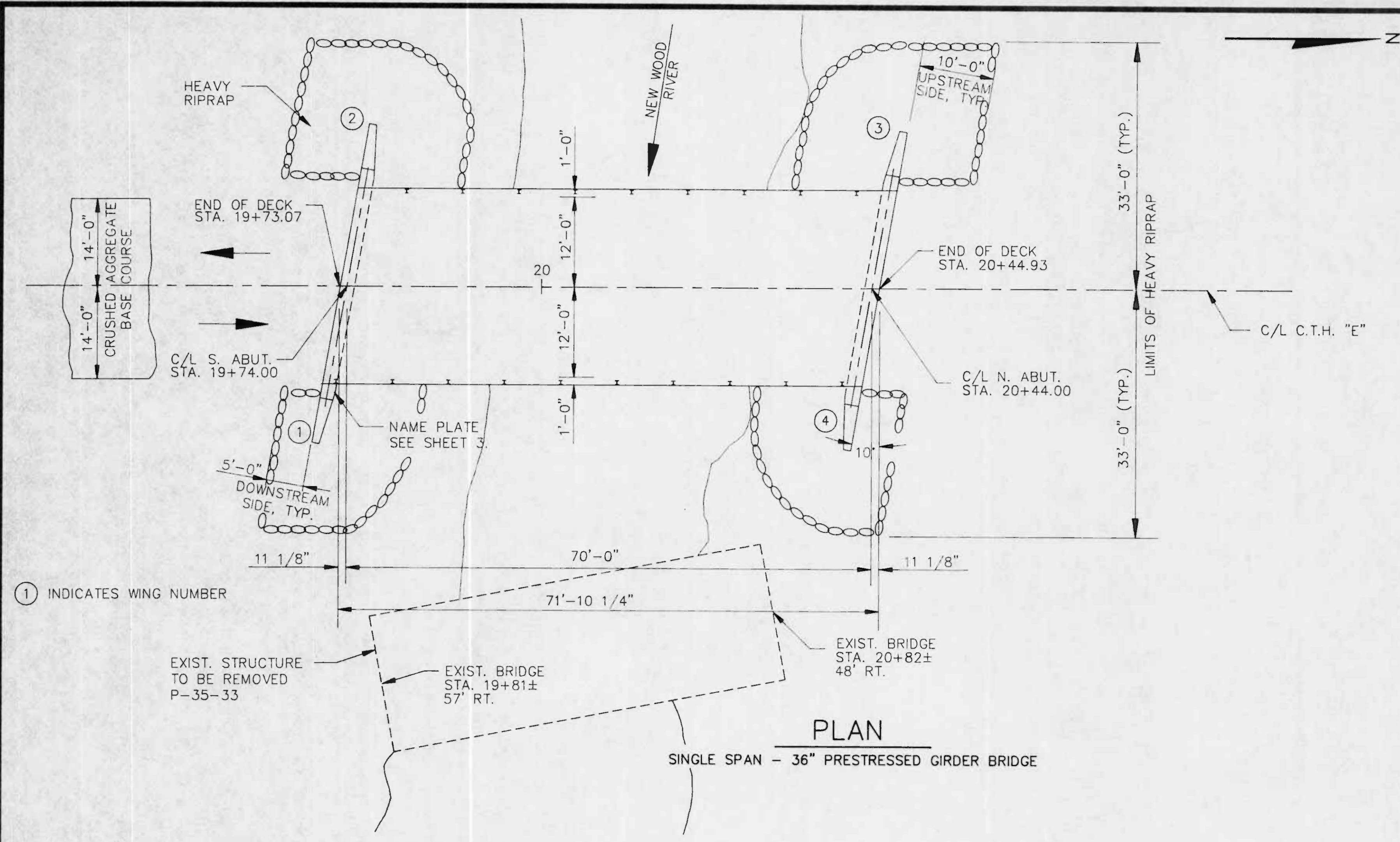
HIGH STRENGTH BAR  
 STEEL REINFORCEMENT \_\_\_\_\_ fy = 60,000 psi

36" PRESTRESSED GIRDER  
 CONCRETE MASONRY \_\_\_\_\_ f'c = 6,000 psi  
 STRANDS - 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.

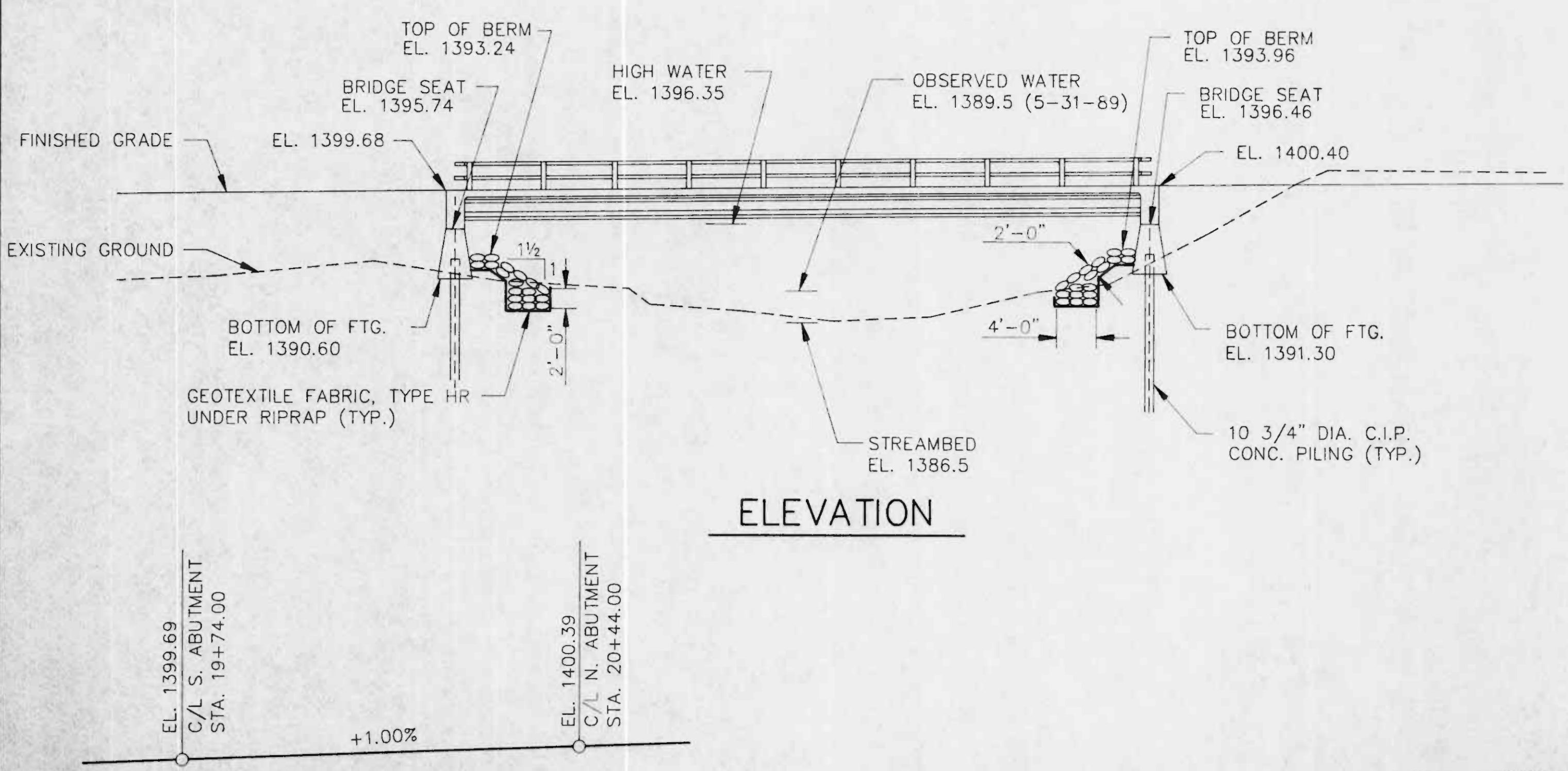
HYDRAULIC DATA:  
 Q<sub>100</sub> \_\_\_\_\_ 2500 C.F.S.  
 Q<sub>100</sub> \_\_\_\_\_ 2500 THRU BRIDGE  
 Q<sub>100</sub> \_\_\_\_\_ N/A OVER ROADWAY  
 VELOCITY \_\_\_\_\_ 5.98 F.P.S.  
 HIGH WATER \_\_\_\_\_ EL. 1396.35  
 WATERWAY AREA \_\_\_\_\_ 425 S.F.  
 DRAINAGE AREA \_\_\_\_\_ 53 SQ. MILES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



**PLAN**

SINGLE SPAN - 36" PRESTRESSED GIRDER BRIDGE



**ELEVATION**

PROPOSED GRADE LINE

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

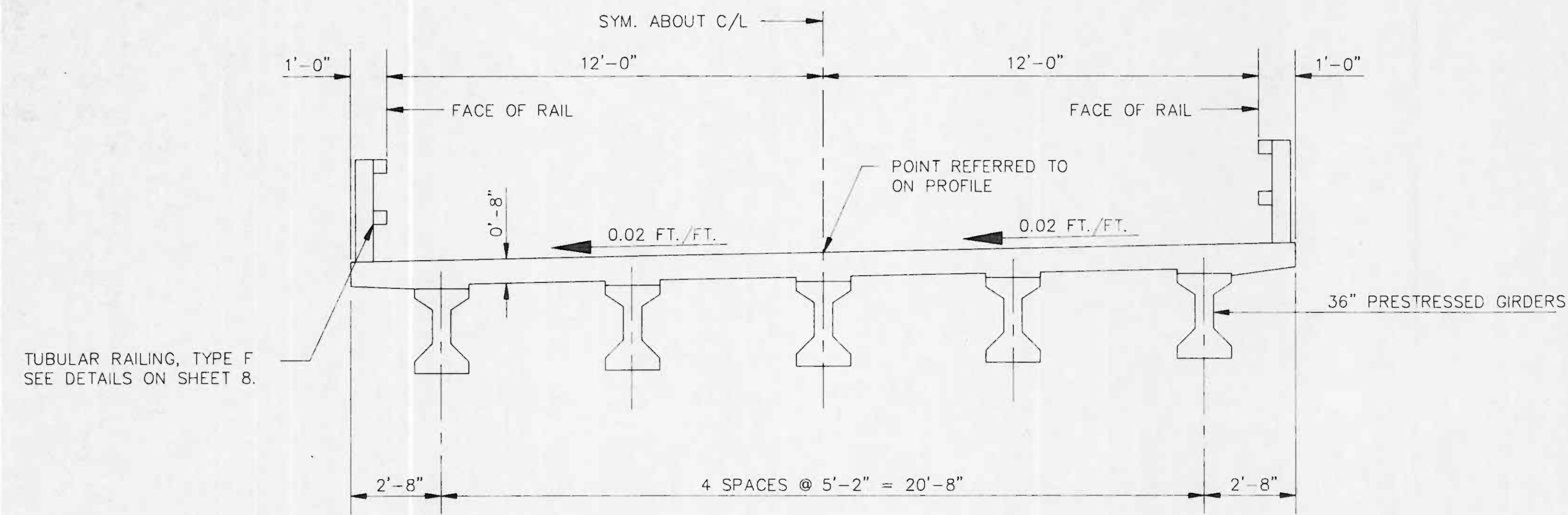
BRIDGE OFFICE CONTACT: D. BABLER  
(608) 266-8486

**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 _____ DATE _____			
STATE BRIDGE ENGINEER			DATE
<b>GENERAL PLAN</b>			SHEET 1 OF 8
X			





CROSS SECT. THRU RDWY.

ALL SURFACES OF PRESTRESSED GIRDERS THAT WILL BE WITHIN THE LIMITS OF THE ABUTMENT CONCRETE DIAPHRAGM SHALL BE COATED WITH PARAFFIN WAX.

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SOUTH ABUT.	NORTH ABUT.	SUPER.	TOTALS
REMOVING OLD BRIDGE, STA. 20+00	L.S.	----	----	----	1
EXCAVATION FOR STRUCTURES, BRIDGES B-XX-XX	L.S.	----	----	----	1
CONCRETE MASONRY, BRIDGES	C.Y.	----	----	----	----
HIGH STRENGTH BAR STEEL REINFORCEMENT, BRIDGES	LB.	----	----	----	----
COATED HIGH-STRENGTH BAR STEEL REINF., BRIDGES	LB.	----	----	----	----
PROTECTIVE SURFACE TREATMENT	GAL.	----	----	----	----
CAST-IN-PLACE CONCRETE PILING, DELIVERED AND DRIVEN, 10 3/4-INCH	L.F.	----	----	----	----
PRESTRESSED GIRDER, I TYPE, 36-INCH	L.F.	----	----	----	----
NON-LAMINATED ELASTOMERIC BEARING PADS	EA.	----	----	----	----
TUBULAR RAILING, TYPE F, STRUCTURE B-XX-XX	L.S.	----	----	----	1
HEAVY RIPRAP	C.Y.	----	----	----	----
GEOTEXTILE FABRIC, TYPE HR	S.Y.	----	----	----	----
GEOTEXTILE FABRIC, TYPE DF	S.Y.	----	----	----	----
NON-BID ITEMS					
PREFORMED JOINT FILLER	SIZE	----	----	----	1/2" & 3/4"
POLYVINYL CHLORIDE WATERSTOP	L.F.	----	----	----	----

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-XX-XX			
CONST. SPEC.	1989	DRAWN BY OMNI	PLANS CHECKED JWT
GENERAL PLAN			SHEET 2 OF 8 X



ABBREVIATIONS  
 F --- Fine M --- Medium C --- Coarse  
 Ws --- Weathered So --- Sound

MATERIAL SYMBOLS  
 Topsoil Sandstone  
 Sand Limestone  
 Gravel Clay Igneous Rock  
 Silt Peat

LEGEND OF PROBING  
 Probing No. Sta. Elevation  
 95/6 = 95 Blows for 6" Penetration  
 Probing taken with a 350# wt. Falling 18" on a 2" O. D. Point.  
 7 Average Blows Per Foot Refusal 95 6

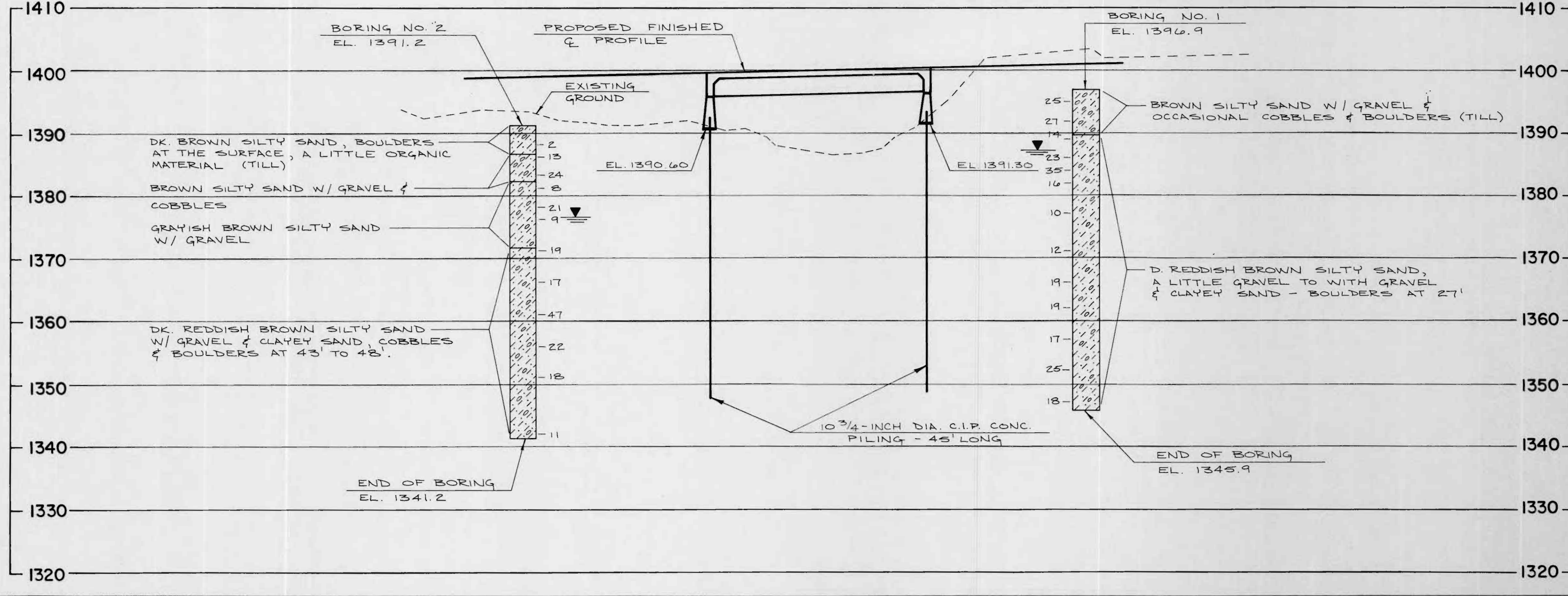
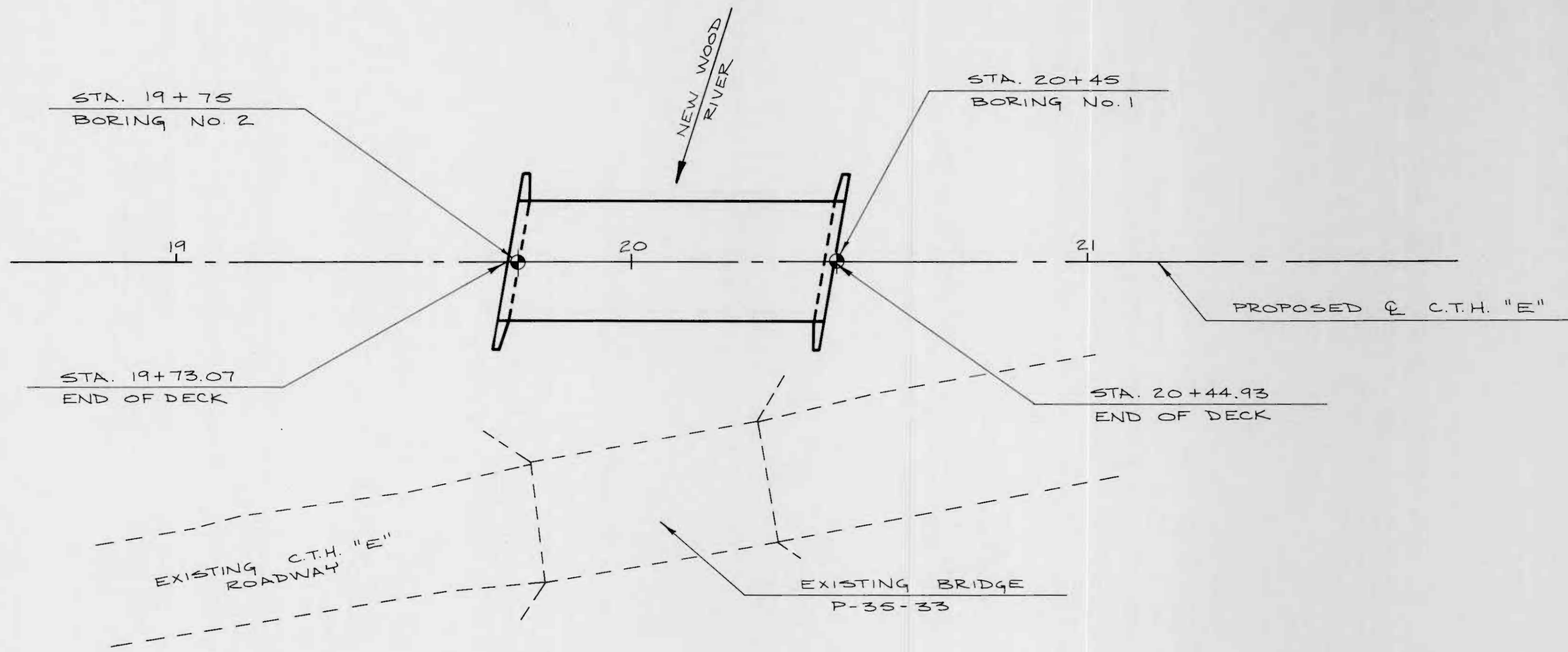
LEGEND OF BORING  
 Elev. Boring No. Sta.  
 Unconfined Strength → 7.7  
 Blows Per Ft. Using 140# Wt. Falling 30"  
 Wash Sample  
 Shelby Tube — S. T.  
 Ground Water Elevation  
 No Ground Water Observed Above This Elevation  
 Sandy Gravel  
 Boulders or Cobbles  
 Sand  
 Silty Clay  
 So  
 Limestone

Unless otherwise specified, the blows per foot at the locations indicated are based on driving a 2" O. D. x 1.4" I. D. split spoon sampler with a 140# hammer having a free fall of 30". The blow count is taken in undisturbed soil immediately below a cased or open hole eliminating side friction on the drive pipe.

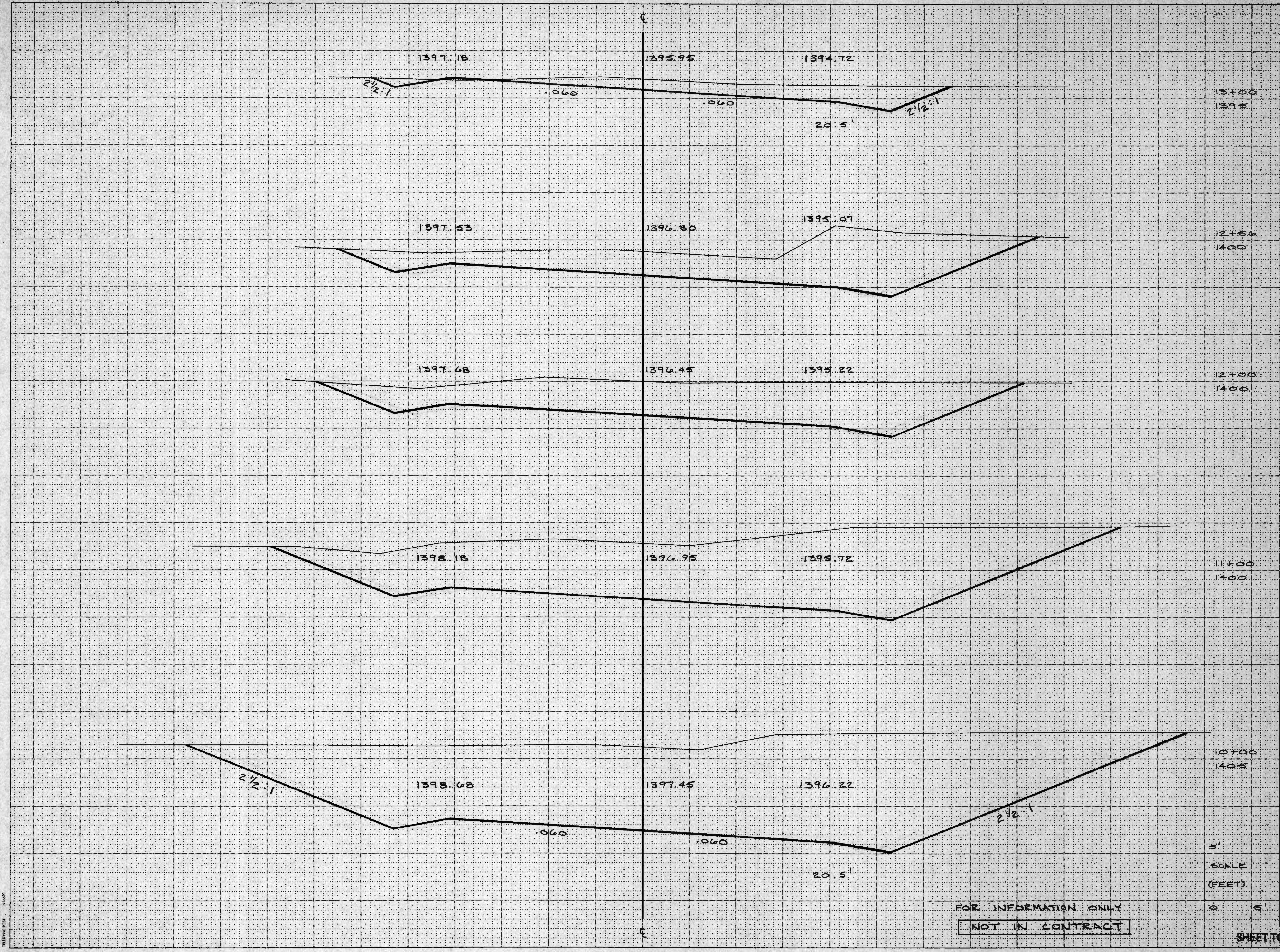
SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

To obtain relative data concerning the character of material in and upon which the foundation might be built, borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
<b>STRUCTURE</b>			
Const. Spec.	1989	Drawn By	OMNI
		Plans Checked	JWT
<b>SUBSURFACE EXPLORATION</b>			SHEET 3 OF <b>X</b>





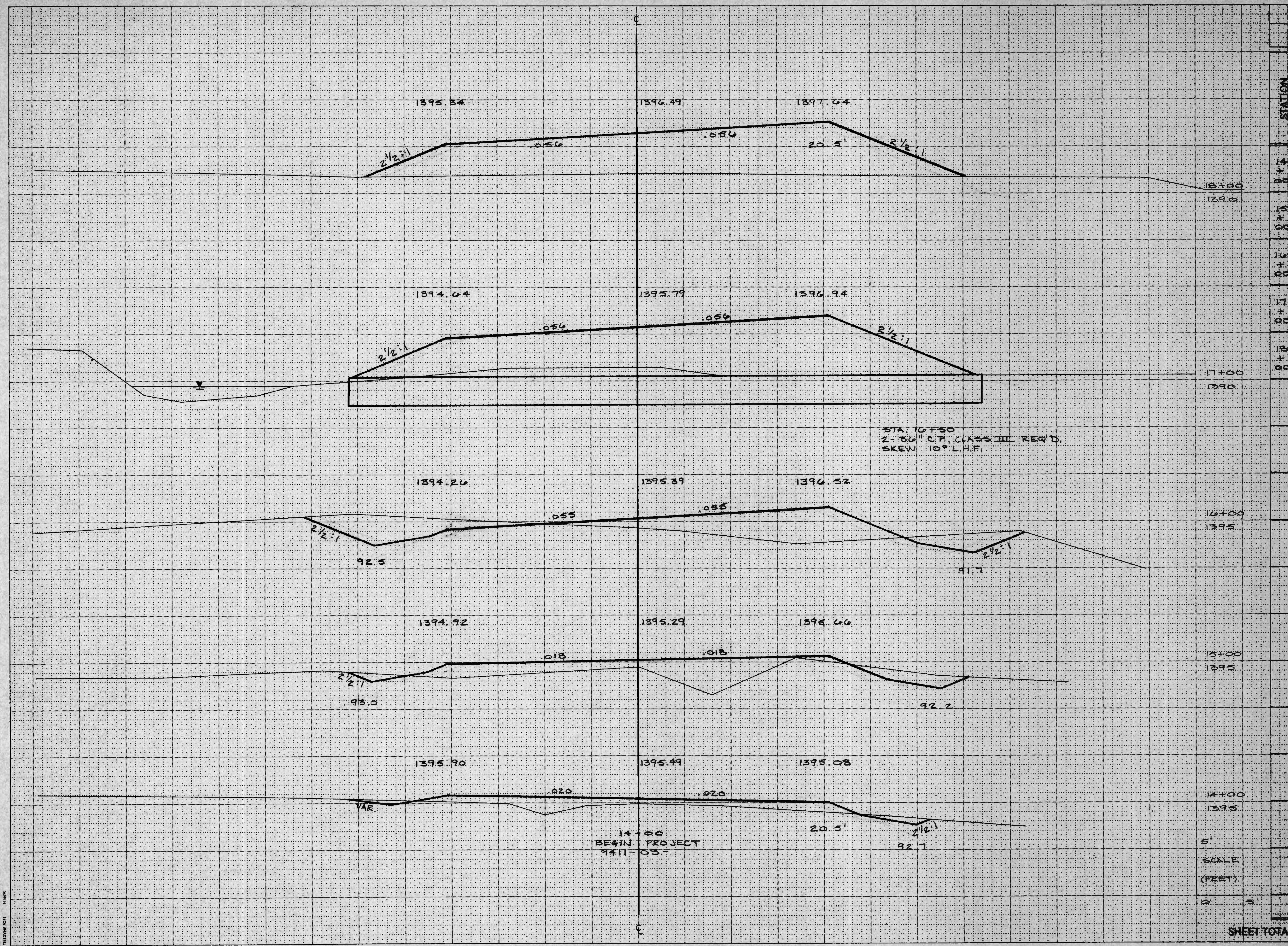


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
13+00	139.5		
12+50	140.0	500	447
12+00	140.0	200	512
11+00	140.0	100	238
10+00	140.0	100	187
9+00	140.0	54	450
8+00	140.0	44	230
7+00	140.0	100	130
6+00	140.0		
5+00	140.0		
4+00	140.0		
3+00	140.0		
2+00	140.0		
1+00	140.0		
0+00	140.0		
SHEET TOTAL		1400	791

FOR INFORMATION ONLY  
NOT IN CONTRACT

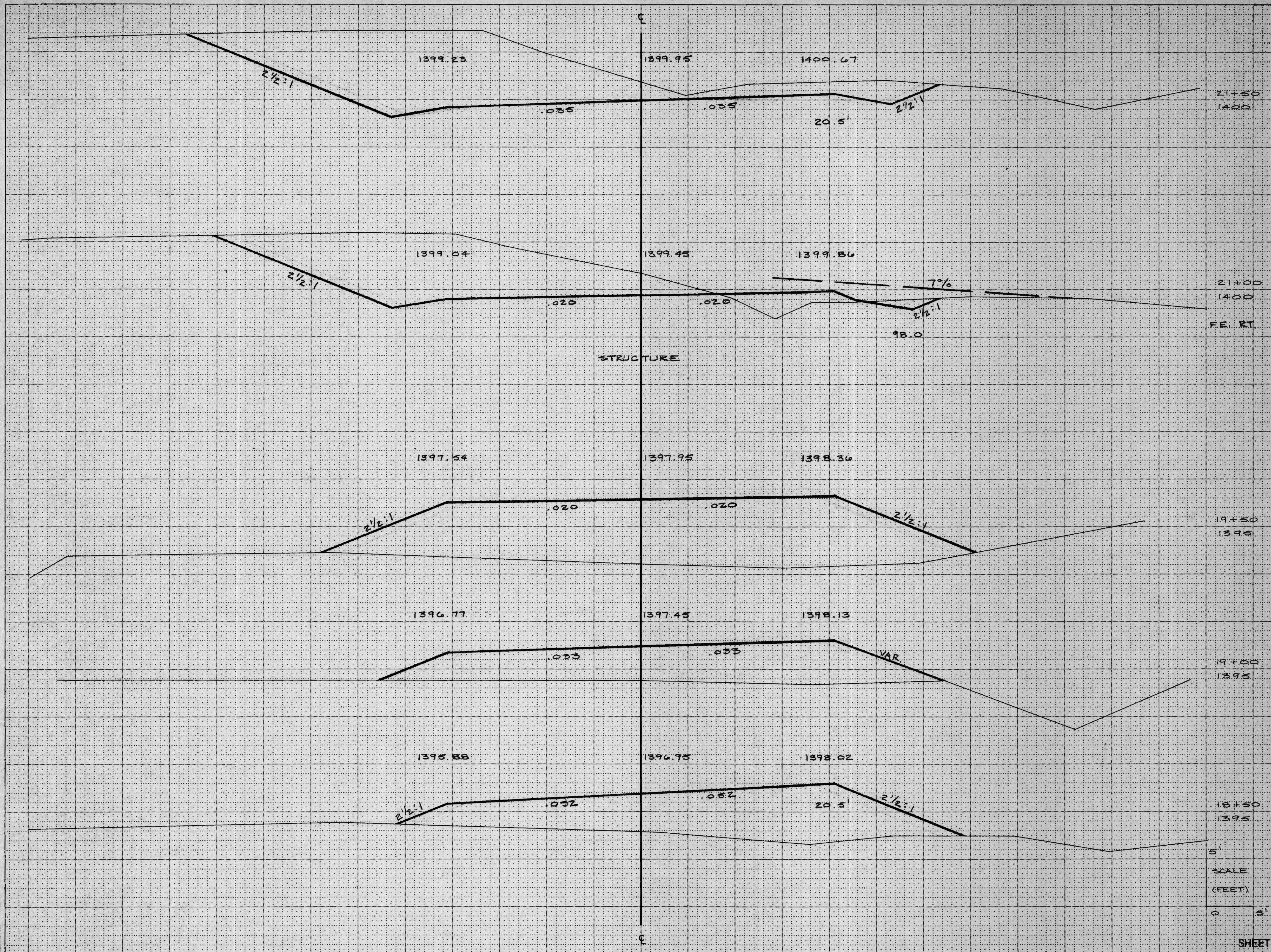
SHEET TOTAL





STATION	DISTANCE	VARIATION	
		EXCAVATION	FILL
16+00	150	0	190
17+00	150	0	195
16+00	150	70	0
17+00	150	0	0
16+00	150	0	0
15+00	150	0	0
14+00	150	0	0
SHEET TOTAL		210	0



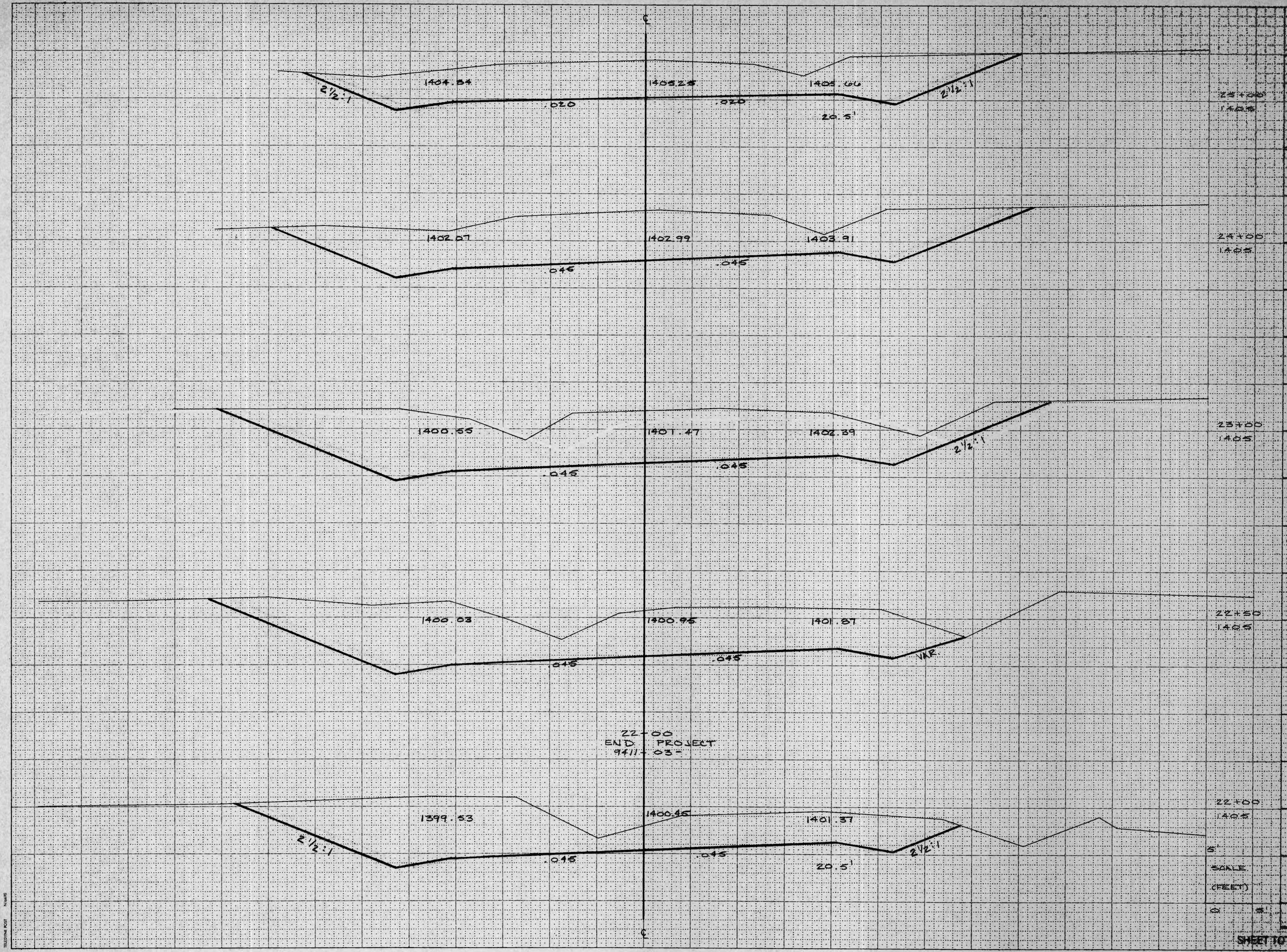


STATION	DISTANCE	VARDAGE	
		EXCAVATION	FILL
21+00	1400	0	0
19+50	1395	0	0
19+00	1395	0	0
20+00	1395	0	0
21+00	1400	0	0
19+50	1395	0	0
19+00	1395	0	0
18+50	1395	0	0
<b>SHEET TOTAL</b>		<b>0</b>	<b>0</b>

11/20/00



STATE PROJECT NUMBER  
 9411-03  
 WORK  
 DIVISION



22+00  
 END PROJECT  
 9411-03-

STATION	DISTANCE	ELEVATION
24+00	0	1405
24+50	50	1405
25+00	100	1405
25+50	150	1405
22+00	200	1405
22+50	250	1405

SHEET TOTAL



PROJECT ID 9411-03-00  
 NEW WOOD RIVER BRIDGE  
 CTH "E" & APPROACHES  
 LINCOLN COUNTY  
 SCALE 1" = 20'  
 CONTOURS

