

STANDARD ABBREVIATIONS

ABANDON	ABND.	MAILING ADDRESS	#0000
ABSTRACT	ABS.	MANHOLE	M.H.
ACCESS POINT	A.P.	MANUFACTURING	MFG.
ACRES	AC.	MAXIMUM	MAX.
ADDITION	ADD.	MEASURED	(M)
AGRICULTURAL	AGRI.	MILE	MI.
AHEAD	AH.	MILK ROOM	M.R.
AND OTHERS	ET. AL.	MINIMUM	MIN.
AND WIFE	ET. UX.	MONUMENT	MON.
APARTMENT	APT.	MOTEL	MO.
ASSUMED	(A)	MUNICIPAL	MCPL.
AUXILIARY REFERENCE LINE	A.R.	NORTHEAST	NE
AVENUE	AVE.	NORTHWEST	NW
BACK	BK.	NUMBER	NO.
BARN	B.	OUTLOT	O.L.
BASE LINE	B.L.	PARALLEL	PLL
BEARING LONG CHORD	B.L.C.	PAVEMENT	PAV'T.
BITUMINOUS	BIT.	PERMANENT	PERM.
BLOCK	BLK.	POINT OF CURVATURE	P.C.
BOULEVARD	BLVD.	POINT OF INTERSECTION	P.I.
BRICK	BRK.	POINT OF TANGENCY	P.T.
BUILDINGS	BLDGS.	POINT OF COMPOUND CURVE	P.C.C.
CATCH BASIN	C.B.	POINT OF REVERSE CURVE	P.R.C.
CEMETERY	CEM.	POINT ON CURVE	P.O.C.
CENTERLINE	C.	PRIVATE DRIVE	P.D.
CENTRAL ANGLE	Δ	PROJECT	PROJ.
CHANNEL	CH.	PROPERTY LINE	P.L.
CHANNEL CHANGE	CH. CH.	QUIT CLAIM DEED	Q.C.D.
CHICKEN HOUSE	C.H.	RADIUS	R
COMMERCIAL	COMM.	RAILROAD	RR.
COMPANY	COM.	RAILWAY	RY.
COMPUTED	(C)	REFERENCE LINE	R
CONCRETE	CONC.	RELOCATED	REL
CONSTRUCTION	CONST.	REQUIRED	REQ'D.
CORN CRIB	C.C.	RESIDENTIAL	RES.
CORNER	COR.	RESTAURANT	REST.
CORPORATION	CORP.	RIGHT	RT.
CORRUGATED	CORR.	RIGHT OF WAY	R/W
COUNTY	CO.	ROAD	RD.
COUNTY TRUNK HIGHWAY	C.T.H.	ROADWAY	RDWY.
CREEK	CR.	SANITARY	SAN.
CULVERT	CULV.	SCALED	(S)
DEED	(D)	SCHOOL	SCH.
DEGREE OF CURVE	D	SECTION	SEC.
DISPOSAL	DISP.	SERVICE STATION	S.S.
DISTRICT	DIST.	SEPTIC TANK	SEP.
DRIVE	DR.	SIDEWALK	SWK.
DRIVEWAY	DWY.	SHED	S.
ESTATE	EST.	SOUTHEAST	SE
EXISTING	EX.	SOUTHWEST	SW
EXTERNAL DISTANCE	E	SPECIAL CROSSING	S.C.
FACTORY	FACT.	SPECIAL DRIVE	S.D.
FEDERAL AID PROJECT	F.A.P.	SQUARE	SQ.
FIELD ENTRANCE	F.E.	STANDARD	STD.
FIRE HYDRANT	F.H.	STATE TRUNK HIGHWAY	S.T.H.
FOOT (FEET)	FT.	STATION	STA.
FOUNDATION	FDN.	STORY	STY.
FRAME	FR.	STREET	ST.
GARAGE	G.	SUBDIVISION	SUBD.
GOVERNMENT	GOV'T.	SURVEY	(S)
GREEN HOUSE	G.H.	TANGENT	TAN.
HIGHWAY	HWY.	TANGENT LENGTH OF CURVE	T
HOTEL	HO.	TAPER	TAP.
HOUSE	H.	TAVERN	TAV.
HOUSE TRAILER	H.T.	TEMPORARY	TEMP.
INCHES	IN.	TRANSIT LINE	T
INCORPORATED	INC.	TRANSMISSION TOWER	T.T.
INCLUSIVE	INCL.	UNITED STATES COAST & GEODETIC SURVEY	U.S.C. & G.S.
INTERSECTION ANGLE	I	UNITED STATES GEOLOGICAL SURVEY	U.S.G.S.
INTERSTATE HIGHWAY	I.H.	UNITED STATE HIGHWAY	U.S. Highway
IRON PIN	I.P.	VENDEE	VDE.
ISLAND	IS.	VENDOR	VDR.
LEFT	LT.	VITRIFIED	VIT.
LENGTH OF CURVE	L	WAREHOUSE	WH.
LESSEE	LSE.	WATER TOWER	W.T.
LESSOR	LSR.	WELL	W.
LIMITED HIGHWAY EASEMENT	L.H.E.	WINDMILL	WM.
MACHINERY SHED	M.S.	WOOD	WD.
MAGNETIC	MAG.		

BEGIN RELOCATION ORDER PROJ. S0710(10)

STA. 161+85.50
± 3370' SOUTH NW COR. SEC. 28, T 37N, R 13E

EQUATION

219+58.92 BK. =
219+59.07 AHD.STA. 233+66 END RELOCATION
ORDER PROJ. S0710(10)
BEGIN RELOCATION ORDER PROJ.
S0710(9)
± 1607' EAST OF W 1/4 COR. SEC. 27,
T 37N, R 13EEND RELOCATION ORDER
PROJ. S0710(9) STA 308+66 =
STA. 308+66 PROJ. S0710(6)
± 1260' WEST OF E 1/4 COR. SEC. 26, T 37N, R 13E

LOCATION SKETCH

CONVENTIONAL SIGNS

STATE LINE	=====	CEMETERY	Cem.	HIGHWAY HIGHWAY SEPARATION	=====
COUNTY LINE	=====	FOUNDATION	Fdn.	HIGHWAY OVERPASS	=====
TOWNSHIP AND RANGE LINES	=====	GAS PUMP ISLAND	Gas Pump	RAIL LINE OVERPASS	=====
SECTION LINE	=====	BUILDING	Type	ALL OTHER BRIDGES	=====
QUARTER LINE	=====	IRON PIN	I.P.	STREAM OR RIVER	(name)
SIXTEENTH LINE	=====	POWER POLE	•	LAKE	(name)
NEW CENTERLINE	=====	TELEPHONE POLE	•	CATTLE PASS	=====
NEW R/W LINE	=====	RAIL LINE	=====	RELOCATED STREAM OR RIVER	=====
OLD R/W LINE	=====	TRANSMISSION TOWER AND LINE	=====	TRAVELED WAY (Shown only in area of Frontage Roads, Interchanges or Dual Lanes)	=====
PROPERTY LINE	P.L. +00.0	UNDERGROUND CABLE MARKER	=====		
CORPORATE LIMITS	(NAME)	WELL	•		
SLOPE INTERCEPTS	slope intercept	STONE MONUMENT	•		
LOT, TIE AND OTHER MINOR DASHED LINES	-----	SEPTIC TANK	•		
UNDERGROUND FACILITY (POWER, TELEPHONE, TELEGRAPH, GAS, ETC.)	(Name or Type)	WINDMILL	•		
NO ACCESS	=====				
LIMITED HIGHWAY EASEMENT	=====				

NOTE: BEARINGS SHOWN ON THIS
PLAT ARE THE TRUE BEARINGS OF
EACH TANGENT TO THE NEAREST
MINUTE.

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT	B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE FEDERAL	WIS.	1	
CONST. PROJECT	9333-8-70			4	

PROJECT S0710(10) & S0710(9)

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NO.	SHEET NO.	OWNER	INTERESTS REQUIRED	SQ. FT. OR ACRES
1	2	LEO FEUCHT	FEE	0.25 AC.
2	2	CHICAGO, MILWAUKEE, ST. PAUL, & SAULT STE. MARIE R.R.	BY AGREEMENT	
3	2	VIOLA LOUISE KRUMM & GRACE EDNA KRUMM	FEE	1,448 SQ.FT.
4	2	WILLIAM S. WESTIMAYER ETUX	FEE	1,448 SQ.FT.
5	2	GLEN GARLOCK ETUX	FEE	0.96 AC.
6	2	LEO FEUCHT ETUX	FEE	2.80 AC.
7	3	LEO FEUCHT ETUX	FEE	0.64 AC.
8	3	ALBERT R. NEUFELD	FEE	0.52 AC.
9	3	GLEN GARLOCK	FEE	600 SQ.FT.
10	3	WILFRED W. SCHULTZ ETUX	FEE	1,800 SQ.FT.
11	3	EUGENE G. KALATA	FEE	1,700 SQ.FT.
12	3	GLEN GARLOCK	FEE	23,694 SQ.FT.
13	3	LEO FEUCHT ETUX	FEE	0.29 AC.
14	3	JOHN SAMZ ETUX	FEE	0.35 AC.
15	3	EUGENE G. KALATA	FEE	0.78 AC.
16	3	MAURICE ROBERTS ETUX	FEE	0.65 AC.
17	4	JOHN S. RINDAL ETUX	FEE	1.70 AC.
18	4	FORREST A. ZINK ETUX	FEE	0.86 AC.
19	4	ALVIN BROKMEIER ETUX	FEE	0.20 AC.
20	4	RICHARD H. KINSON ETUX (L.C.) THE PEOPLES BANK OF ANTIGO, WISCONSIN (OWNER)	FEE	0.66 AC.
21	4	EMMA DU FOUR	FEE	0.76 AC.
22	4	ORAND ALFRED KRAUSE ETUX	FEE	0.55 AC.
23	2 & 3	WIS. PUBLIC SERVICE	RELEASE OF RIGHTS	
24	3	AGNES GRYZKOWSKI	FEE	0.09 AC.
25	2	MARIE PALMER	FEE	0.80 AC.
26	3	SAMUEL BOBO	FEE	0.09 AC.
27	3	WITTENBERG FOREST INDUSTRIES INC.	FEE	12,100 SQ.FT.
28	4	GAILE DURANCEAU & LAWRENCE DURANCEAU	FEE	0.13 AC.
11A	3	EUGENE G. KALATA	FEE	5,150 SQ.FT.
13A	3	LEO FEUCHT ETUX	FEE	0.20 AC.
8A	3	JAMES F. THOMAS ETUX	FEE	0.12 AC.

L.C. = LAND CONTRACT

PLATS PREPARED BY

V & M INC.

ENGINEERS, SURVEYORS, PLANNERS
122 8TH ST. SOUTH
WISCONSIN RAPIDS, WIS. 54494
715/424-2211

REVISION	DATE	BY
7-15-71	KRV	
3-29-72	DGF	
2-8-74	DGF	
3-15-74	KRV	
3-19-74	KRV	

FOREST COUNTY HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED
PROJECTS S0710(9) & S0710(10)

ARGONNE - C.T.H. 'P' ROAD

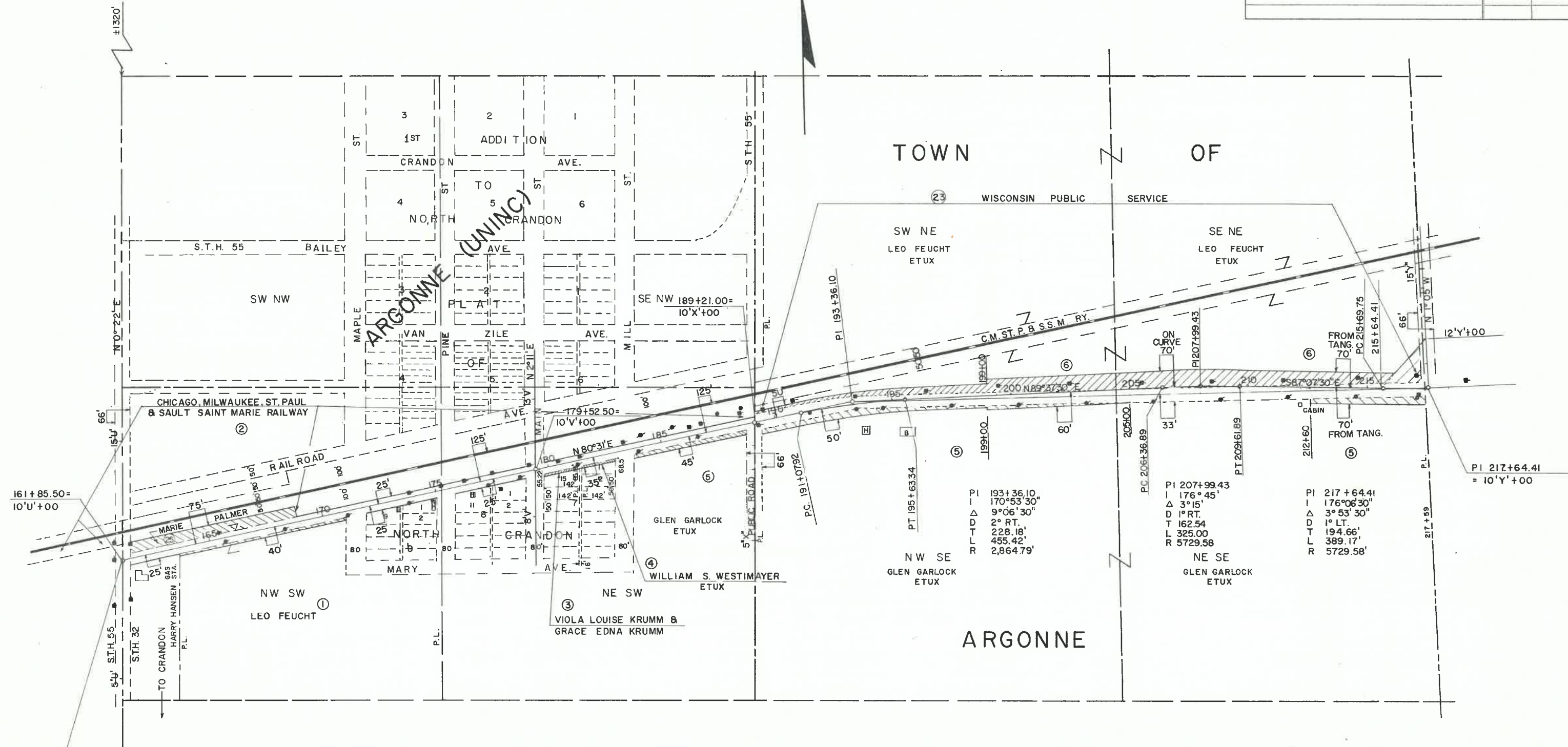
C.T.H. 'G' FOREST COUNTY

SCALE

S0710(9) 1.420 MILES
S0710(10) 1.359 MILES
0' 200' 400' FEET
DATED FEB. 26, 1971



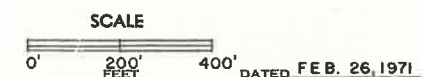
COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		S. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
				WIS.	2	
CONST. PROJECT 9333-B-70					4.1	



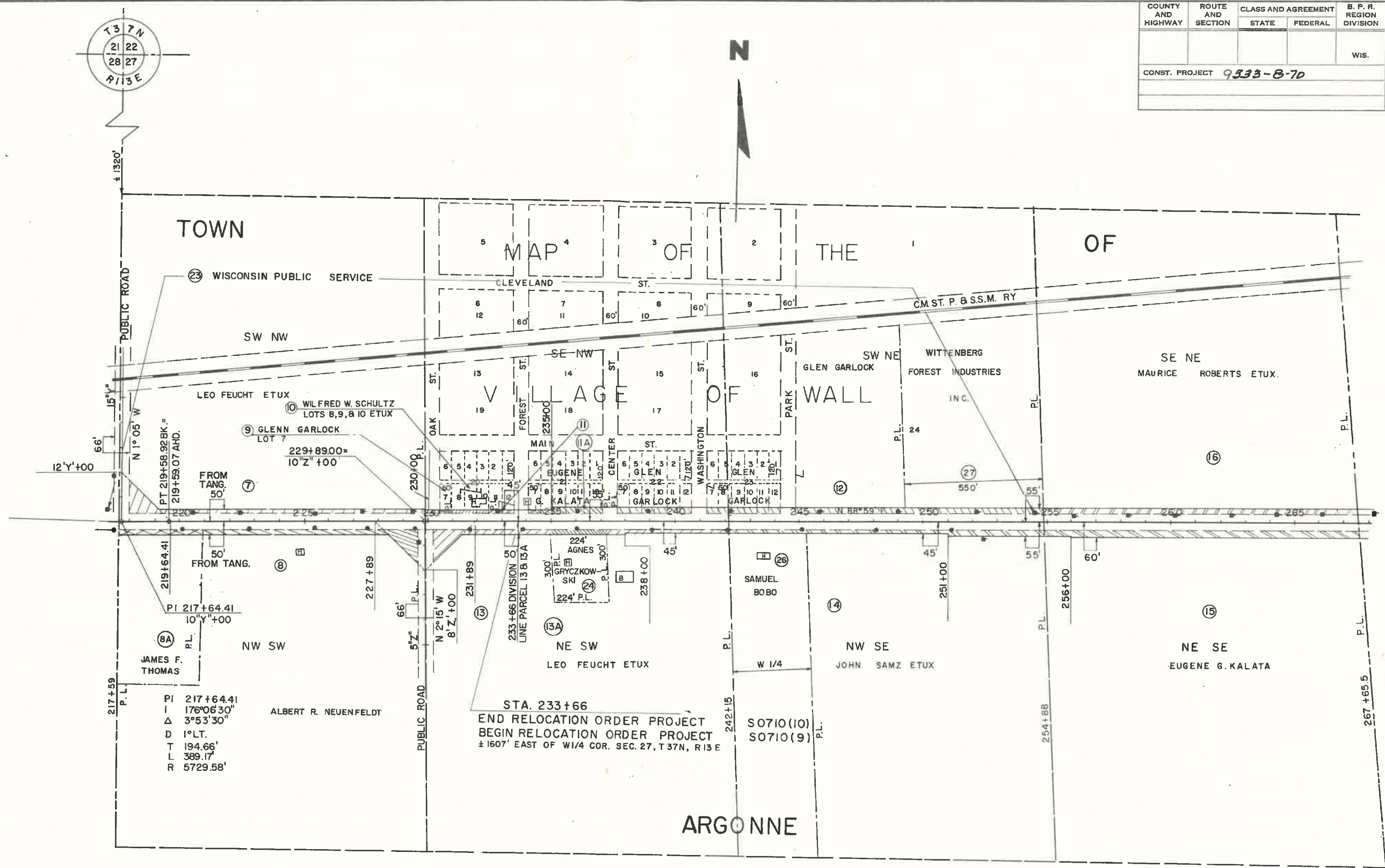
BEGIN RELOCATION ORDER
PROJECT S 0710 (10) STA. 161+85.50
±3,370' SOUTH OF NW COR. SEC. 28, T 37 N, R 13 E.

REVISION DATE	
7-15-71	KRV
3-28-72	DGF
2-8-74	DGF

FOREST COUNTY HIGHWAY COMMISSION OF WISCONSIN
PLAT OF RIGHT OF WAY REQUIRED
PROJECT S 0710 (10)



COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT	B. P. R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL		
				3	
CONST. PROJECT 9333-B-70				4.2	



NOTE: BEARINGS SHOWN ON THIS PLAT ARE THE TRUE BEARINGS OF EACH TANGENT TO THE NEAREST MINUTE

REVISION DATE	
7-15-71	KRV
3-28-72	DGF
2-8-74	DGF
3-15-74	KRV
3-19-74	KRV

FOREST COUNTY HIGHWAY COMMISSION OF WISCONSIN

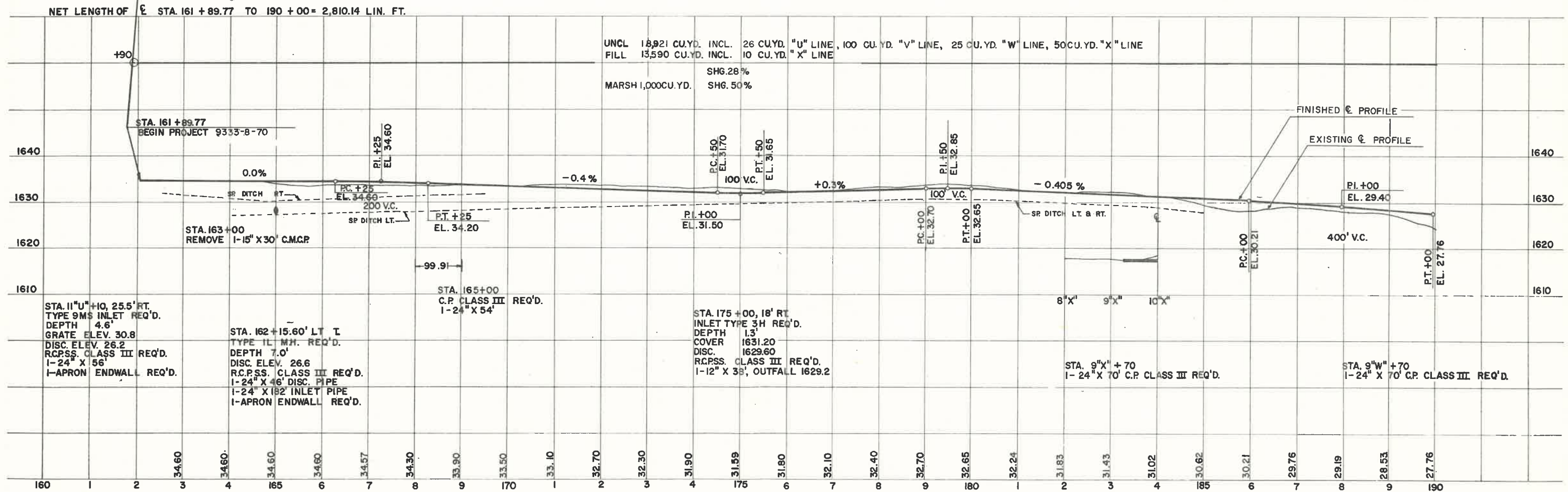
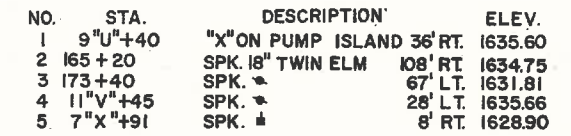
PLAT OF RIGHT OF WAY REQUIRED

PROJECT S0710(9) & S0710(10)

SCALE

0' 200' 400'

DATED FEB. 26, 1971

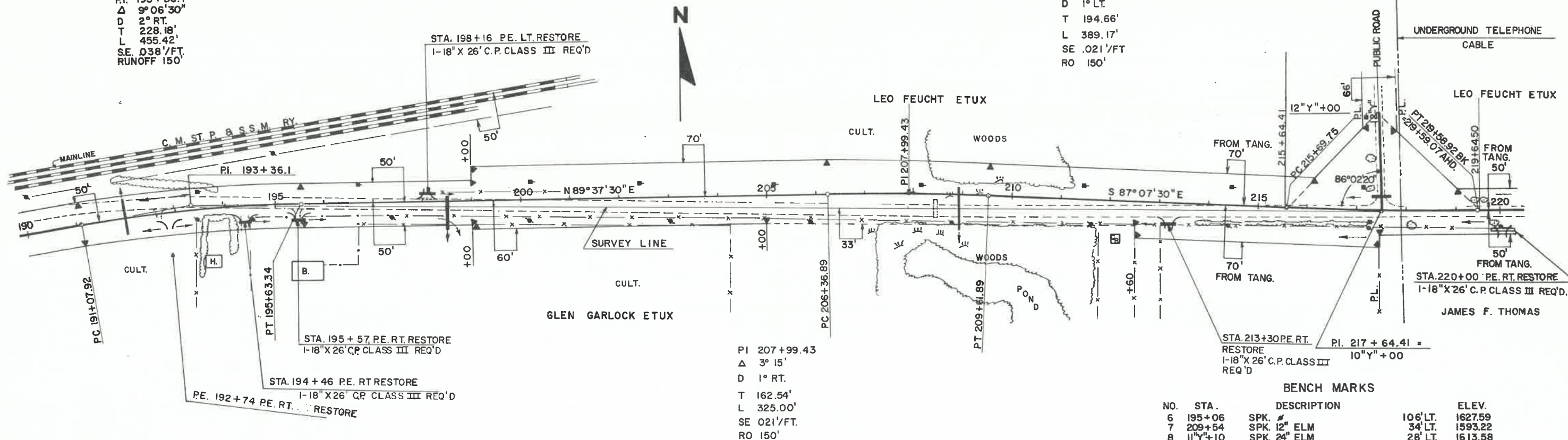


PI. 193+36.1
 Δ 9°06'30"
 D 2° RT.
 T 228.18'
 L 455.42'
 S.E. 0.38'/FT.
 RUNOFF 150'

STA. 190 TO STA.220
 19 RIGHT OF WAY MARKERS REQ'D

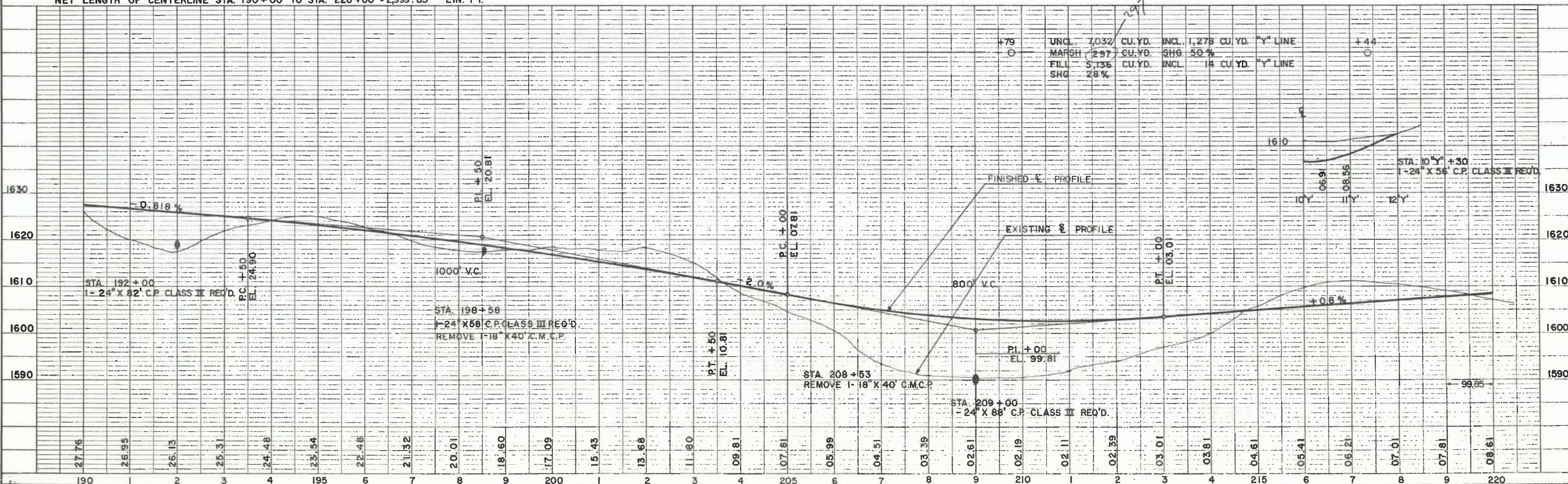
PI 217+64.41
 Δ 3°53'30"
 D 1° LT.
 T 194.66'
 L 389.17'
 SE .021'/FT
 RO 150'

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	9333-8-70	5.1	



BENCH MARKS				
NO.	STA.	DESCRIPTION		ELEV.
6	195+06	SPK. 10'	106' LT.	1627.59
7	209+54	SPK. 12"	34' LT.	1593.22
8	111 ¹⁴ +10	SPK. 24"	28' LT.	1613.58

NET LENGTH OF CENTERLINE STA. 190+00 TO STA. 220+00 = 2,999.85 LIN. FT.

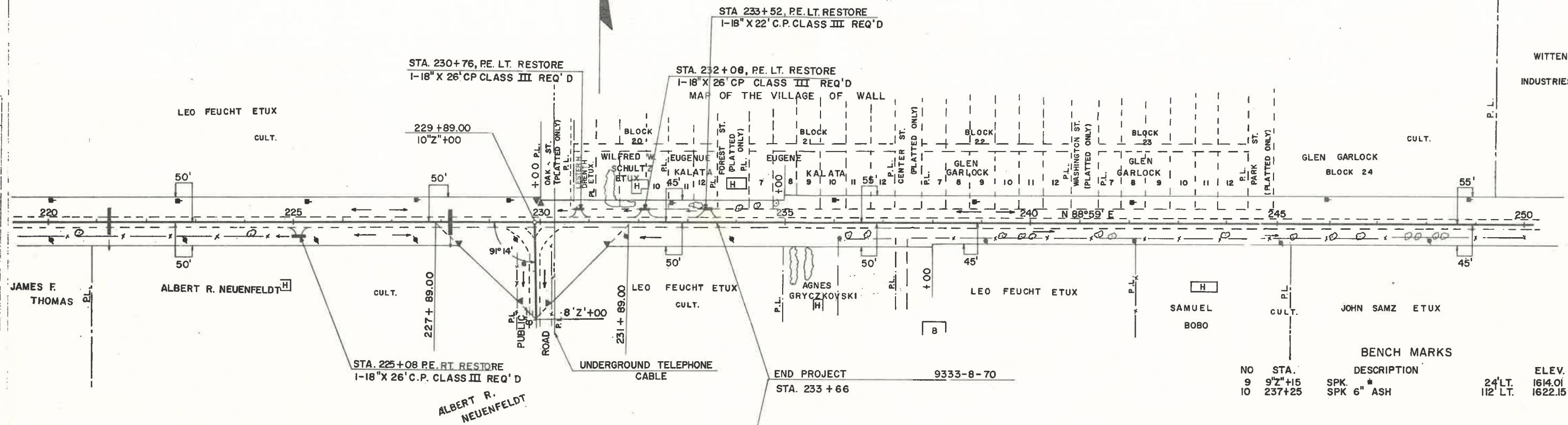


STA. 220 TO STA. 233+66
6 RIGHT-OF-WAY MARKERS REQ'D.

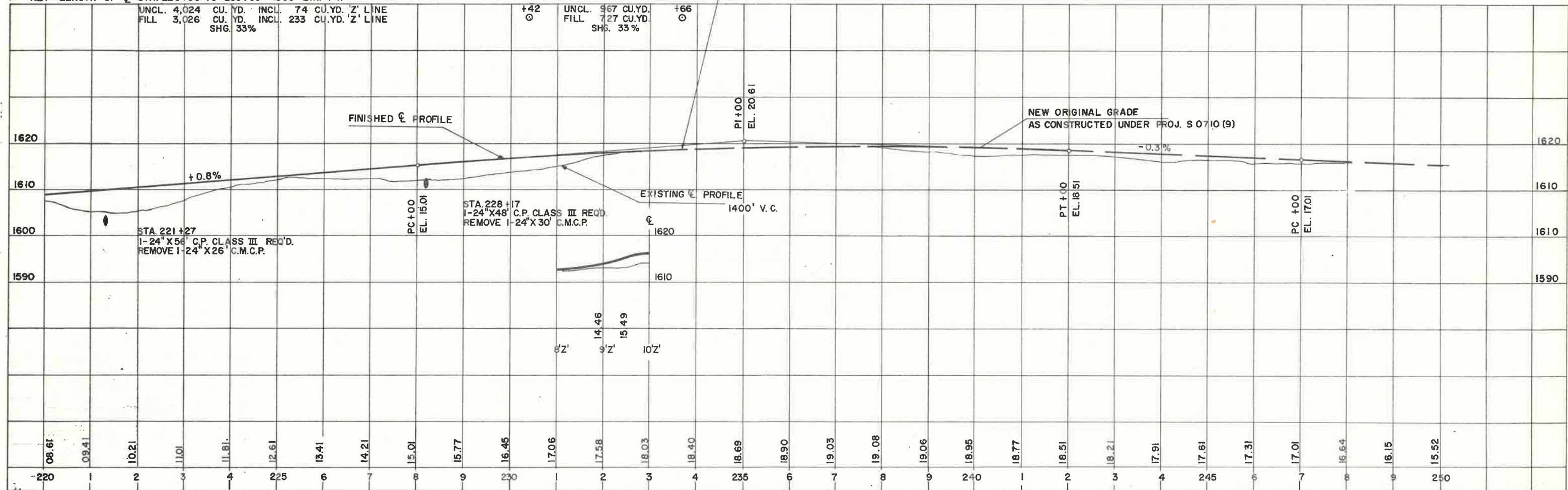
5.2

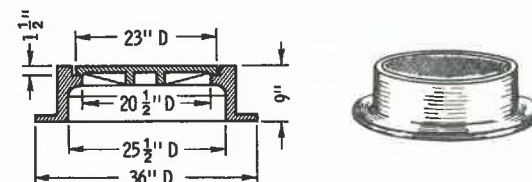
9333-8-70

WITTENBERG FOREST
INDUSTRIES INC.

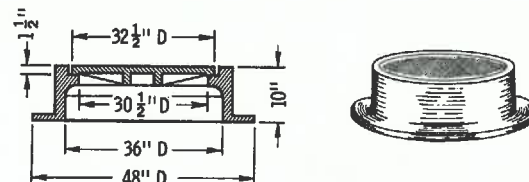


NET LENGTH OF C STA. 220+00 TO 233+66 = 1366 LIN. FT.

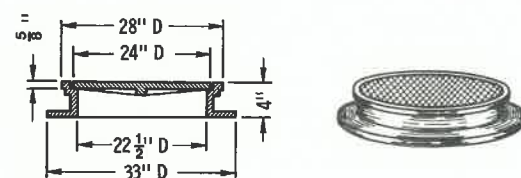




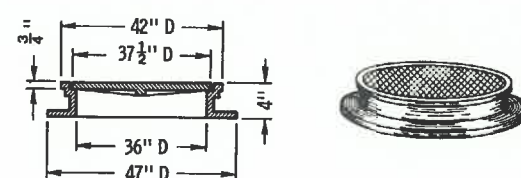
TYPE "J" (Approximate Weight 400 Lbs.)



TYPE "K" (Approximate Weight 750 Lbs.)

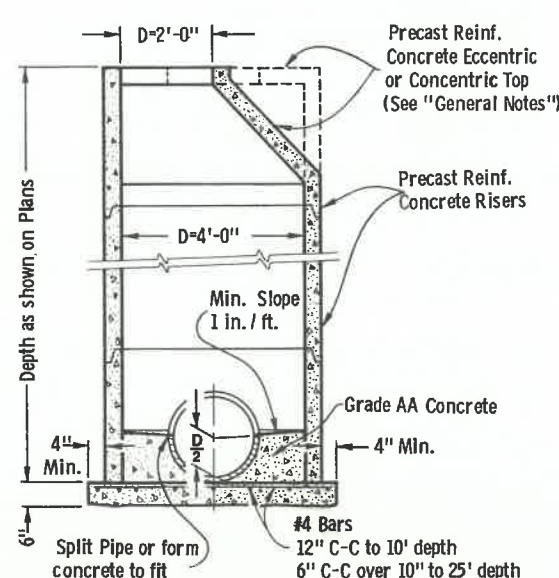
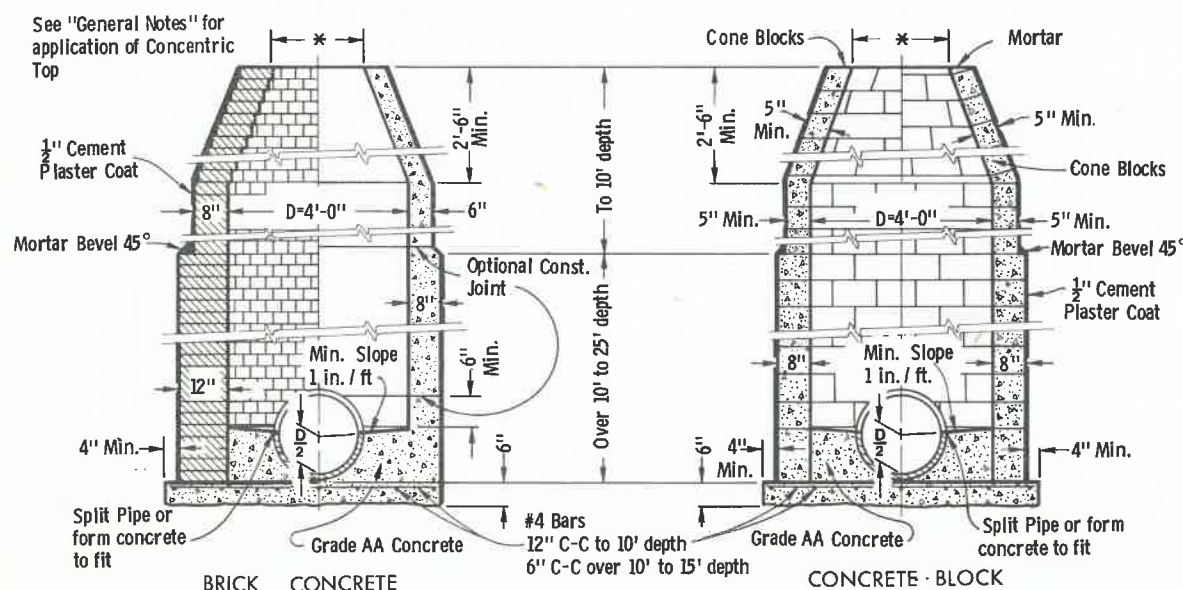


TYPE "L" (Approximate Weight 210 Lbs.)

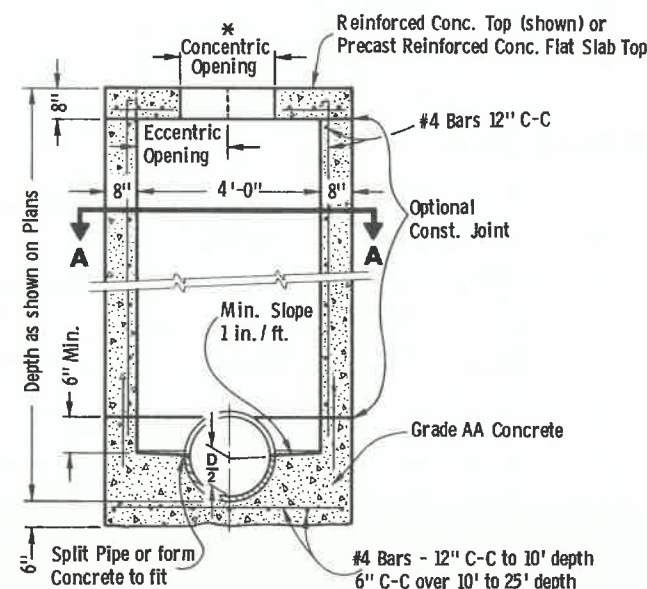


TYPE "M" (Approximate Weight 475 Lbs.)

MANHOLE COVERS



PRECAST REINFORCED CONCRETE



SECTION B-B
REINFORCED CONCRETE

MANHOLES TYPE 1

GENERAL NOTES

Details of construction, materials and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Detailed drawings for proposed alternate designs for Manholes and Manhole Covers shall be submitted to the Engineer for approval providing that such alternate designs make provision for equivalent capacity and strength.

All Manholes are designated on the Plans as "Manholes, 1-J", "1-L", etc. This designation is interpreted to mean that the number, or first digit, designates the masonry portion of the structure, and the following letter, designates the type of cover or iron casting to be used therewith to comprise the complete unit, "Manhole" in place.

All bar steel reinforcement shall be embedded 2 inches clear unless otherwise shown or noted.

Precast Reinforced Bases may be used in lieu of cast-in-place bases. When Precast Bases are used, they shall be placed on a bed of material at least 6 inches in depth, which meets the requirements for Granular Backfill. This bedding material shall be compacted and provide uniform support for the entire area of the base.

All Precast Reinforced Concrete Grade Rings shall conform to AASHTO Designation M 199. Precast Reinforced Concrete Bases shall conform to Flat Slab Top requirements of AASHTO Designation M 199.

Adjustment of the cover to grade may be accomplished by the use of mortar and brick or by Precast Reinforced Concrete Grade Rings. Maximum adjustment shall be 8 inches.

Alternate Precast Reinforced Concrete Cone Tops (Eccentric or Concentric) may be used on brick, concrete or concrete block Manholes. Attachment of the Precast Reinforced Concrete Cone Top shall be made on a bed of mortar.

Eccentric Cone Tops may be used on all Manholes and Concentric Cone Tops shall be used only on Manholes 5 feet or less in depth, unless otherwise directed by the Engineer.

Precast Reinforced Concrete Risers may be placed with tongue or "D" joint ends either up or down.

Steps shall be installed in all Manholes over 5 feet in depth. Step spacings shall be a maximum of 16 inches C-C. Steps shall be installed 5 inches clear from wall at the center of the step. Steps may be constructed of gray iron castings. Steps constructed of other materials may also be used provided written approval from the Engineer is obtained. Steps shall have a minimum width of 9 inches out to out of casting.

All Manhole Covers which are placed in vehicular traffic areas shall be "Non-Rocking" type to prevent cover noise under traffic. Machined bearing surfaces shall fulfill the "Non-Rocking" requirement.

* Use 2'-0" diameter opening with Type "J" and "L" Manhole Covers or 3'-0" diameter opening with Type "K" and "M" Manhole Covers.

MANHOLES TYPE 1 AND MANHOLE COVERS

State of Wisconsin
Department of Transportation
Division of Highways

RECOMMENDED FOR APPROVAL:

5/3/72

DATE

APPROVED

5/3/72

DATE

L. C. Hines
CHIEF DESIGN ENGINEER
S. E. Hicks
STATE HIGHWAY ENGINEER