

Sheet Number	Total Sheets
1	

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Sheet No. -	Miscellaneous Quantities
Sheet No. 4	Right of Way Plat
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Sheet No. 6-6.5	Standard Details
Sheet No. -	Drainage Structures
Sheet No. 8-8.2	Cross Sections

Total Sheets = 15



to Sta.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED

LA CROSSE — ST. JOSEPH ROAD

SCENIC OVERLOOK

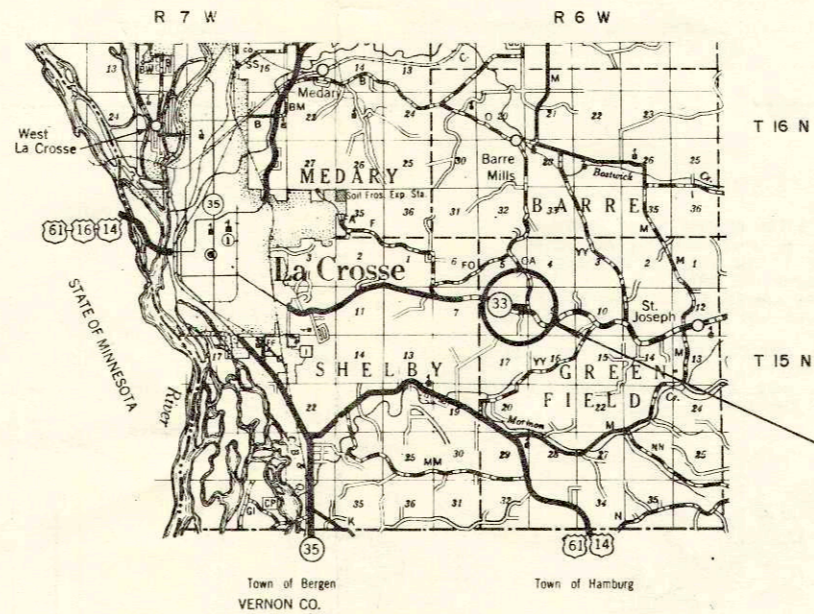
S.T.H. 33 LA CROSSE COUNTY

PROJECT IDENTIFICATION NUMBER	FEDERAL PROJECT DESIGNATION
5121-1-61	

Scales
 Plan 1 in. = 20 ft.
 Profile Hor. 1 in. = 20 ft. Vert. 1 in. = 2 ft.
 Cross Sections Hor. 1 in. = 10 ft. Vert. 1 in. = 10 ft.

Design Designation

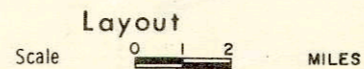
A. D. T.	-
A. D. T.	-
D. H. V.	-
D.	-
T.	-
V.	-



PROJECT SITE:
 N = 655,000 (± 200')
 E = 1,705,600 (± 200')
 ± 130 Feet North and ± 1320' East
 of the Center of Section 8, T 15 N,
 R 6 W.

Conventional Signs

State Line	Culverts in Place
County Line	Culverts Required
Township or Range Line	Drop Inlet
Section Line	Power Pole
New Right of Way Line	Telephone or Telegraph Pole
Present Right of Way Line	Right of Way Markers
Wire Fence { Woven	Reference Stake for Hubs Only
{ Barbed	Marsh
Lot Line	Hedge
Corporate or City Limits	Trees
Property Line	Ground Elevation
Traveled Way or P. E.	Datum Line 72.0
Railroads	Grade Elevation
Base or Survey Line	Datum Line 70.10

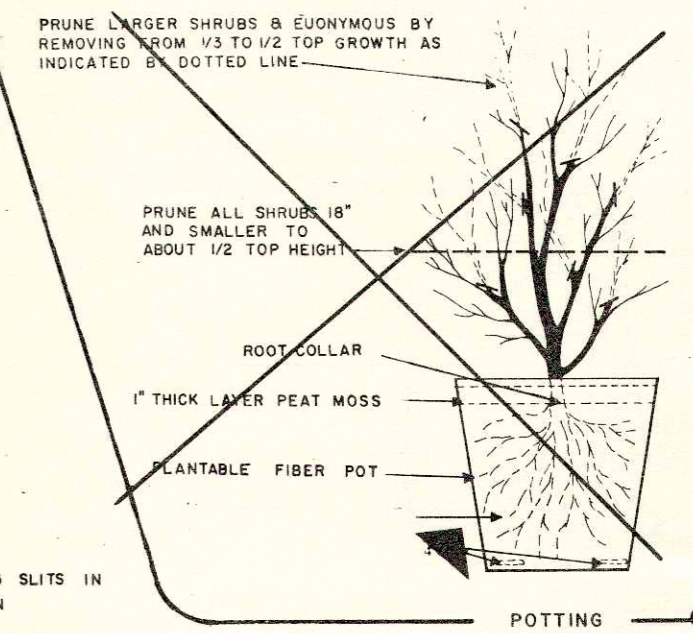
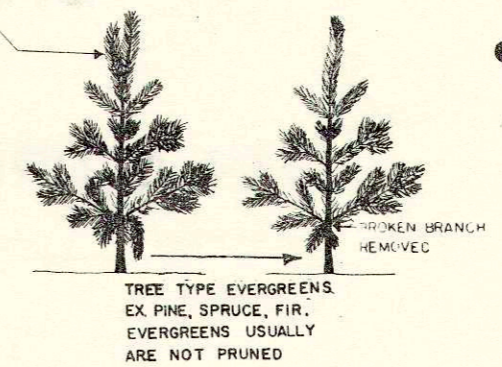
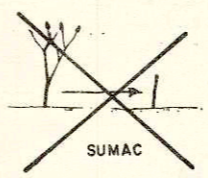
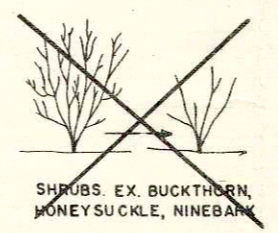
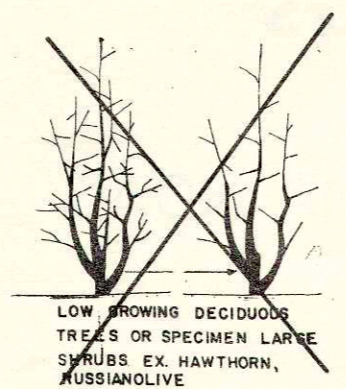
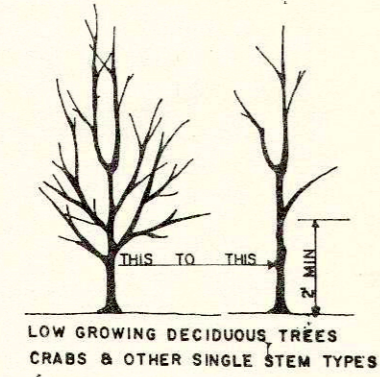
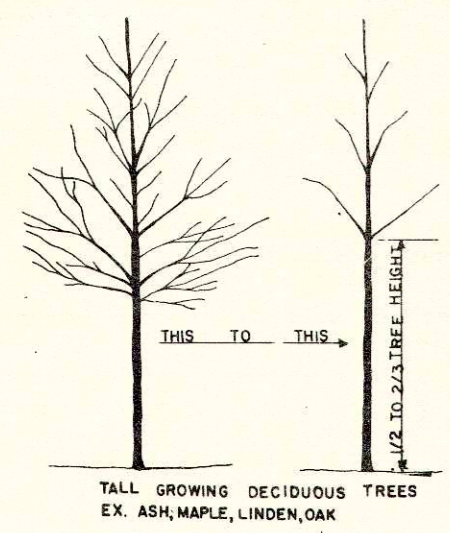


Total Net Length of Centerline = 0.00 Mi.

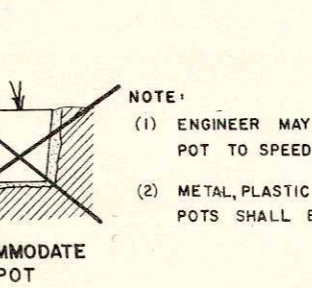
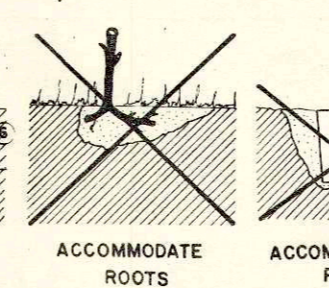
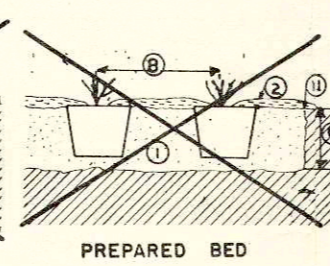
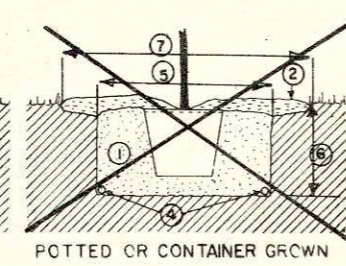
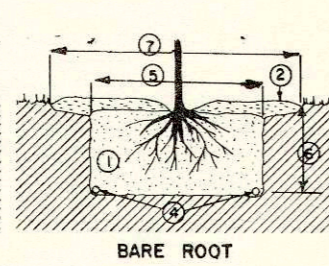
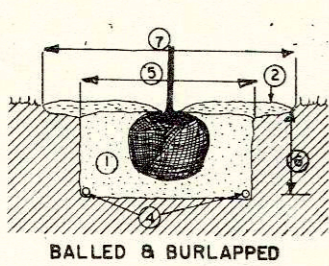
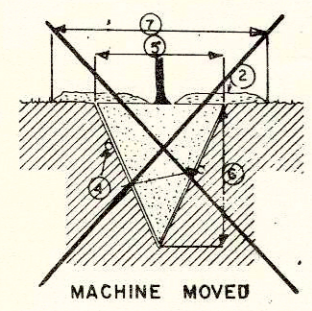
NOTE:
 COORDINATES SHOWN ARE WISCONSIN COORDINATE SYSTEM
 SOUTH ZONE COORDINATES AND ARE SCALED FROM U.S.G.S.
 TOPGRAPHIC MAP, LA CROSSE, WISCONSIN. QUADRANGLE
 FOR IDENTIFICATION ONLY.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
Surveyor R.R.S.	District Checker R.V.R.
Designer M.J.V.	C. O. Checker R.A.H.
Correct:	
Date 10/29/72	<i>L.L. Schneider</i> District Engineer
Recommended for Approval:	
Date 10/27/72	<i>L.C. Hennrich</i> Chief Design Engineer
Approved:	
Date 10/30/72	<i>H.L. Priedler</i> State Highway Engineer
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION BUREAU OF PUBLIC ROADS WISCONSIN DIVISION	
Approved:	
Date: _____ Division Engineer	

NOTE: WHEN PRUNING, PRESERVE CHARACTER & SHAPE OF TREE
 (1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
 (2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES
 (3) PRUNE TO THIN OUT AND HEAD BACK THE CROWN OF THE TREE

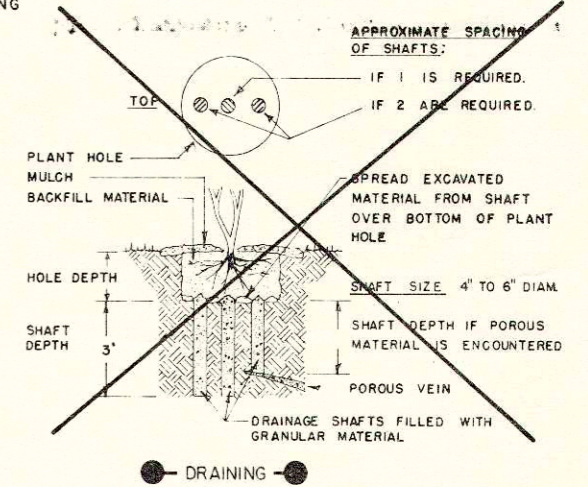
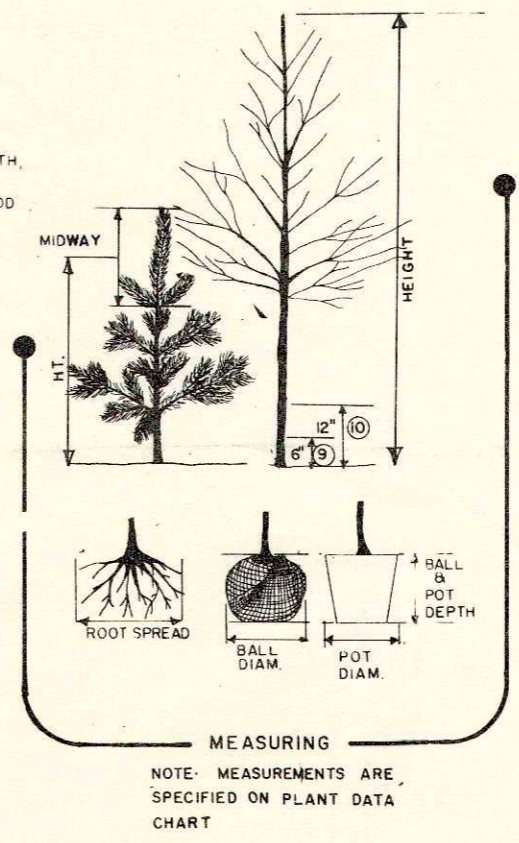
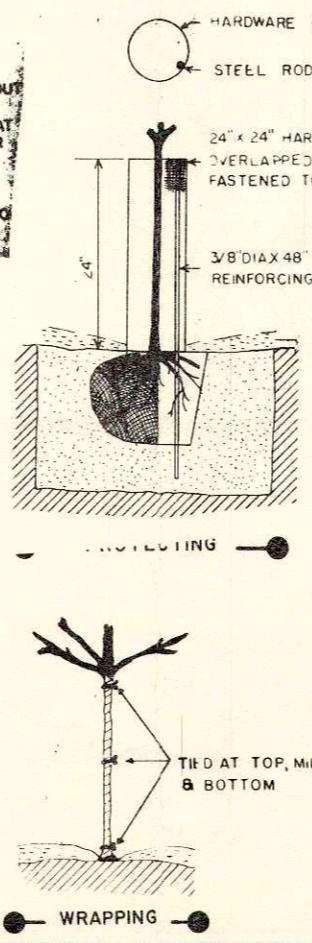
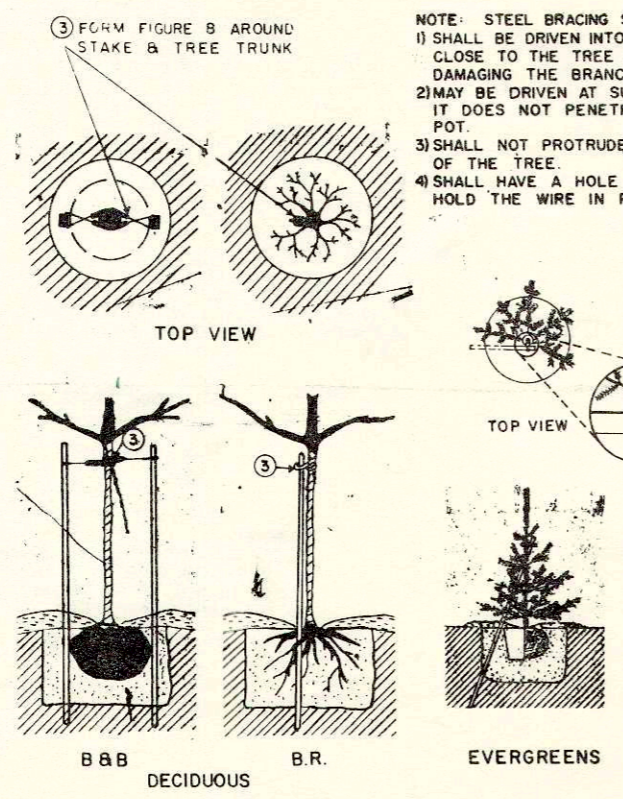
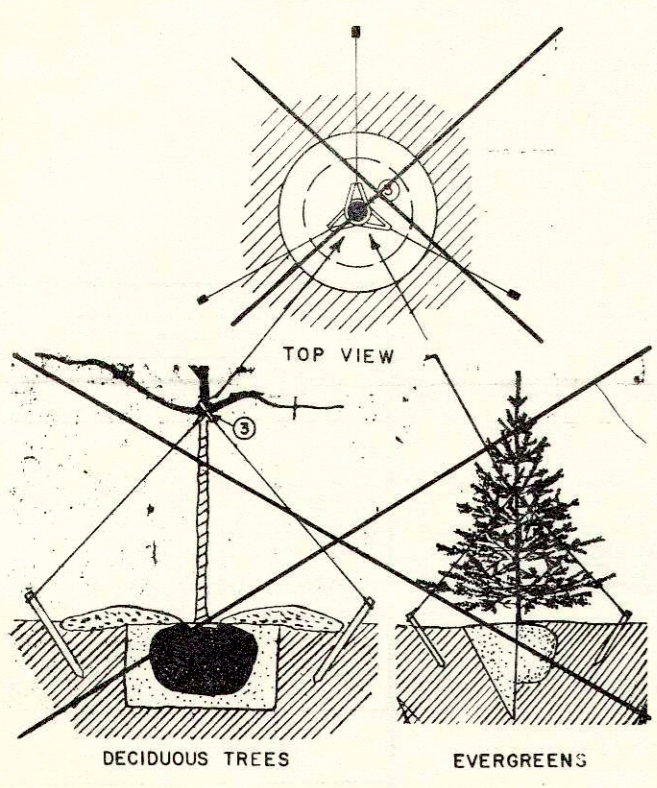


PRUNING



NOTE:
 (1) ENGINEER MAY REQUIRE 2 OR 3 SLITS IN POT TO SPEED DETERIORATION
 (2) METAL, PLASTIC OR OTHER NON DEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING

PLANTING



NOTE: STEEL BRACING STAKE
 1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
 2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
 3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE.
 4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

- LEGEND
- ① BACKFILL MATERIAL - COMPACTED
 - ② MULCH MATERIAL
 - ③ WIRE WITH TRUNK PROTECTION
 - ④ LOCATION OF CONTROLLED RELEASE FERTILIZER UNITS IF SPECIFIED
 - ⑤ DIAMETER AS SPECIFIED ON PLANT DATA CHART
 - ⑥ DEPTH AS SPECIFIED ON PLANT DATA CHART
 - ⑦ DIAMETER OF MULCHED AREA AS SPECIFIED ON PLANT DATA CHART
 - ⑧ SPACING (DISTANCE BETWEEN PLANTS)
 - ⑨ TAKE CALIPER MEASUREMENT OF TREE THROUGH 4" CALIPER
 - ⑩ TAKE CALIPER MEASUREMENT OF TREE OVER 4" CALIPER
 - ⑪ EDGE OF PLANT BED

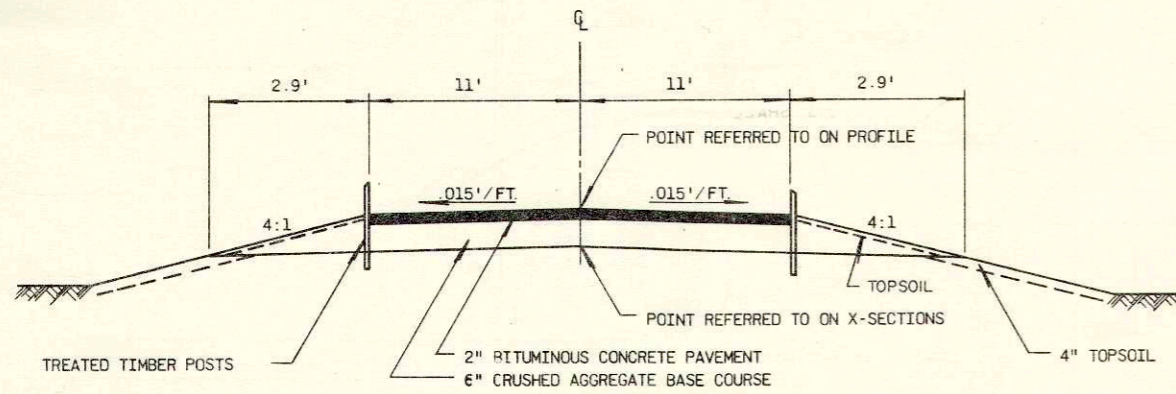
ESTIMATE OF QUANTITIES

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE WISCONSIN DIVISION OF HIGHWAYS -- EDITION OF 1969
AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS

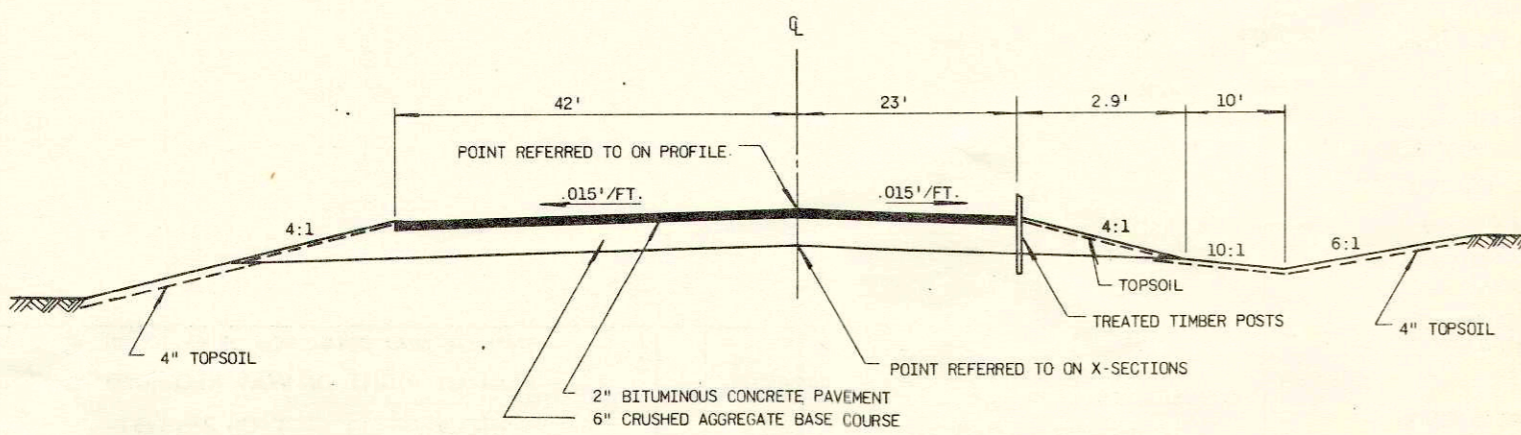
CONTRACT NO 1
GRADING, BASE &
SURFACING

PROJECT ID 5121-1-61	SHEET NUMBER 3	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	3	

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	UNCLASSIFIED EXCAVATION	CRUSHED AGGREGATE BASE COURSE	BITUMINOUS CONCRETE PAVEMENT	CULVERT PIPE CLASS III 18-INCH	APRON ENDWALLS FOR CULVERT PIPE 18-INCH	MARKER POSTS	WOVEN WIRE FENCE	SALVAGED TOPSOIL	FERTILIZER	SEEDING	INSTALLING GRILLS	FURNISHING AND INSTALLING INCINERATORS	INSTALLING TREATED TIMBER POSTS	INSTALLING PRESSURE TREATED CURB	PLANTING PLANT MATERIAL	ROADSIDE PICNIC TABLES	
			ITEM NO.	UNIT	LIN. FT.	C.Y.	C.Y.	TON	L.F.	EACH	EACH	L.F.	S.Y.	C.W.T.	S.Y.	EACH	EACH	EACH	EACH
			20503	30403	40701	52003	52061	61421	61601	62505	62901	63001	90001	90002	90003	90004	90005	90006	
			1464	700	265	36	2	4	1330	3200	11	9500	2	2	75	12	1	4	
PROJECT TOTAL				1464	700	265	36	2	4	1330	3200	11	9500	2	2	75	12	1	4



TYPICAL SECTION
(ENTRANCE ROADWAY)



TYPICAL PARKING LOT SECTION

GENERAL NOTES

WHEN THE QUANTITY OF THE ITEM OF BASE COURSE IS MEASURED FOR PAYMENT BY THE CUBIC YARD, THE DEPTH OR THICKNESS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

ALL GRASS AREAS DISTURBED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESTORED, FERTILIZED, AND SEEDED.

STATE FURNISHED PICNIC TABLES WILL BE ASSEMBLED AND PLACED BY COUNTY UNDER THE ITEM OF ROADSIDE PICNIC TABLES.

STATE FURNISHED ITEMS

- PICNIC TABLES
- GRILLS
- PLANT MATERIAL
- TREATED TIMBER POSTS
- PRESSURE TREATED TIMBER CURB

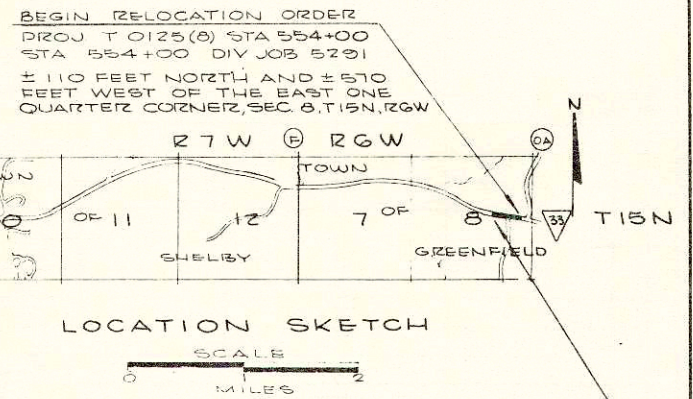
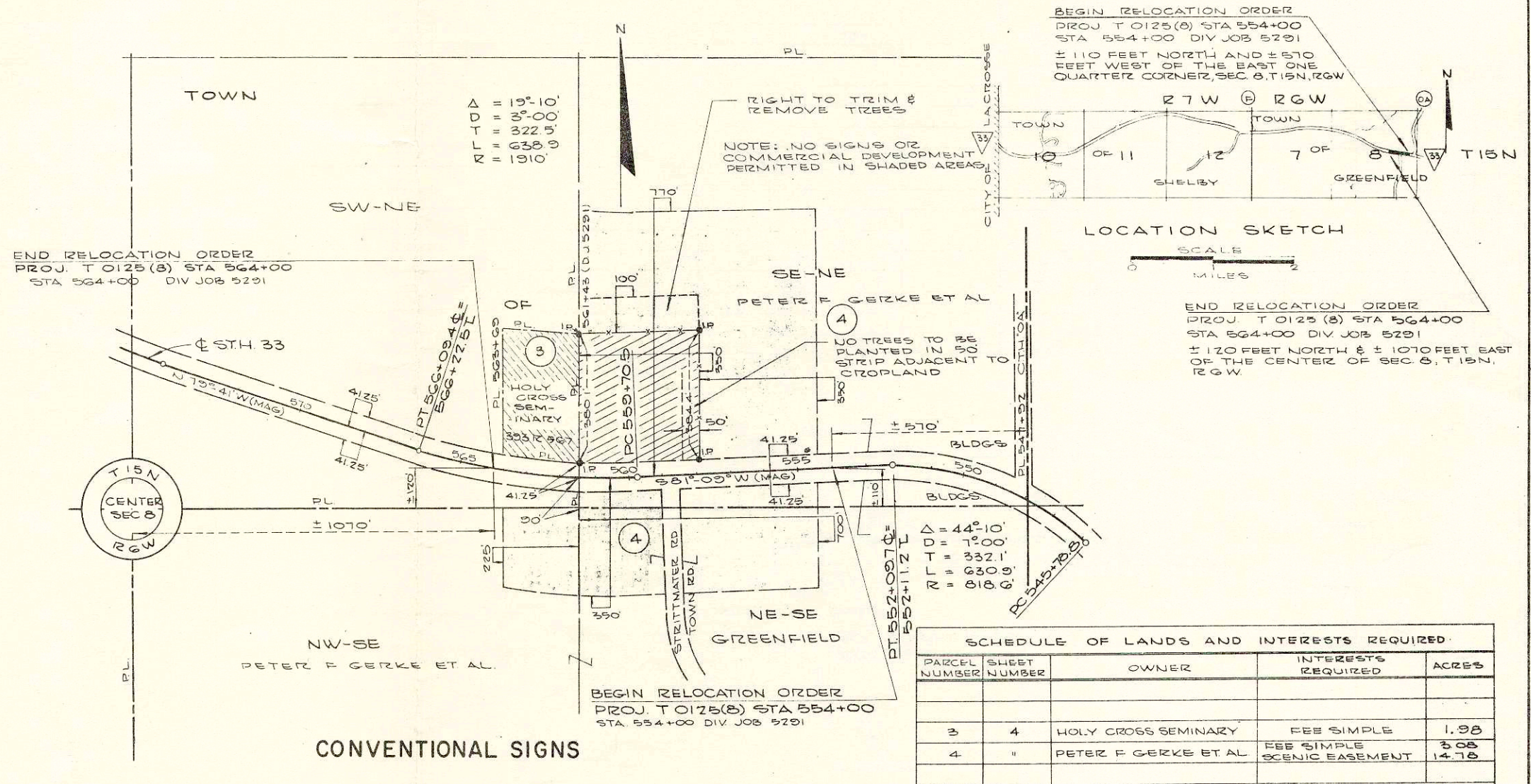
APPLICABLE STANDARD DETAIL DRAWINGS

- 8F1-2 APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
- 14C1-1 TIMBER RAIL FENCE, CURB & GUARD POST, RUSTIC RAIL FENCE & MARKER POST
- 14C3-1 ROADSIDE PICNIC TABLE
- 14C5-1 CHARCOAL GRILL & INCINERATOR
- 15A1-1 MARKER POSTS & MARKER POSTS FOR RIGHT-OF-WAY
- 15B1-1 WOVEN WIRE FENCE

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	CL	PRIVATE DRIVE	P.D.
CENTRAL ANGLE	CA	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.L.
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.O.W.
COUNTY	CO.	ROAD	RD.
COUNTY TRUNK HIGHWAY	C.T.H.	ROADWAY	RDWY.
CREEK	CR.	SANITARY	SAN.
CULVERT	CULV.	(S)	(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	DIWY.	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.		

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT	B.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
322	1250	21.8	4 WIS.	4	
CONST. PROJECT 5121-1-61				4	



CONVENTIONAL SIGNS

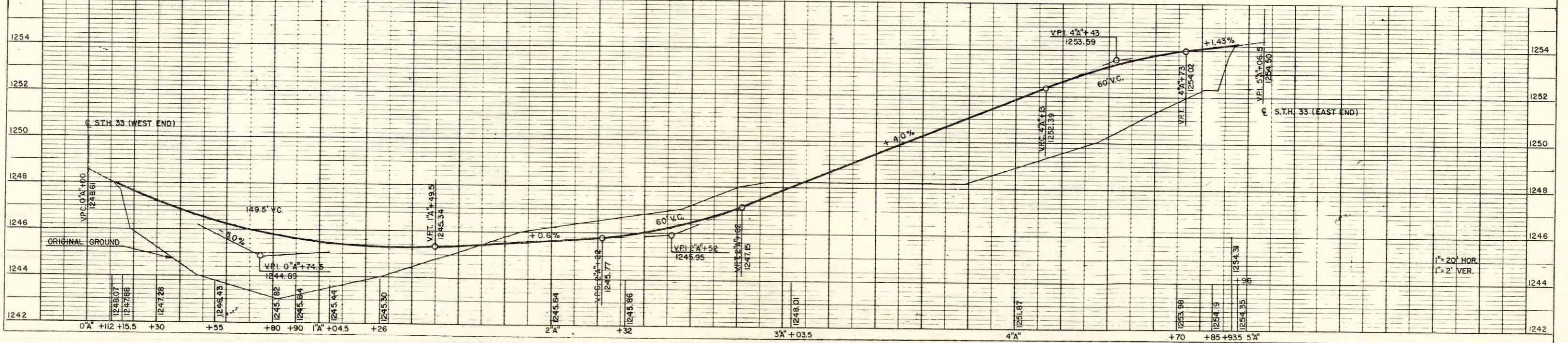
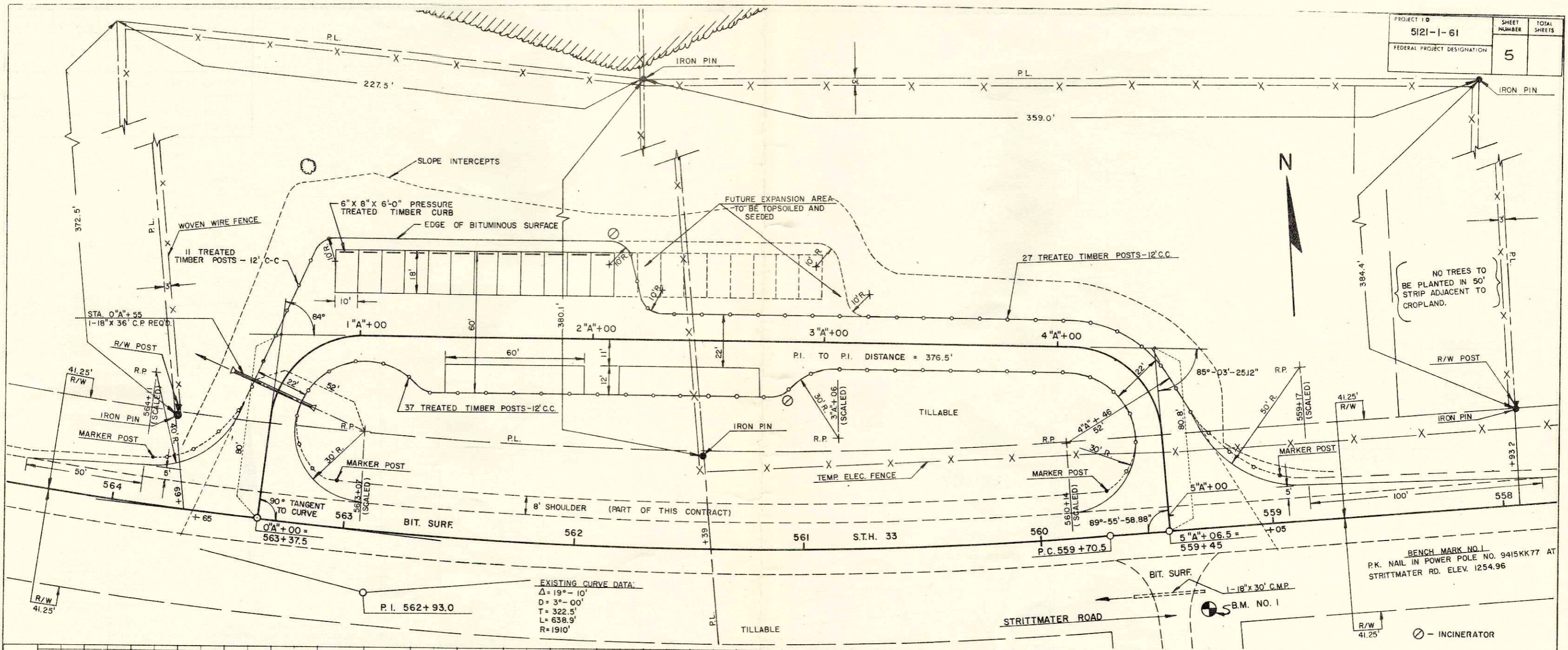
STATE LINE	--- ---	CEMETERY	Cem.	HIGHWAY HIGHWAY SEPARATION	
COUNTY LINE	--- ---	FOUNDATION	Fdn.	HIGHWAY OVERPASS	
TOWNSHIP AND RANGE LINES	--- ---	GAS PUMP ISLAND	Gas Pump	RAIL LINE OVERPASS	
SECTION LINE	--- ---	BUILDING	type	ALL OTHER BRIDGES	
QUARTER LINE	--- ---	IRON PIN	I.P.	STREAM OR RIVER	(name)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

PARCEL NUMBER	SHEET NUMBER	OWNER	INTERESTS REQUIRED	ACRES
3	4	HOLY CROSS SEMINARY	FEE SIMPLE	1.98
4	"	PETER F GERKE ET AL.	FEE SIMPLE SCENIC EASEMENT	3.08
				14.78

STATE HIGHWAY COMMISSION OF WISCONSIN
PLAT OF RIGHT OF WAY REQUIRED
 PROJECT T 0125 (8)
 LA CROSSE - ST JOSEPH ROAD
 (SCENIC OVERLOOK)

REVISION DATE: 7-31-66

LENGTH 0.189 MILES
 SCALE: 1" = 200 FEET
 DATED 26 APRIL 1967



PROJECT I.D. B121-1-61	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	5.1	

PLANTING PLAN
SCENIC OVERLOOK
LACROSSE - ST. JOSEPH RD.
LACROSSE COUNTY

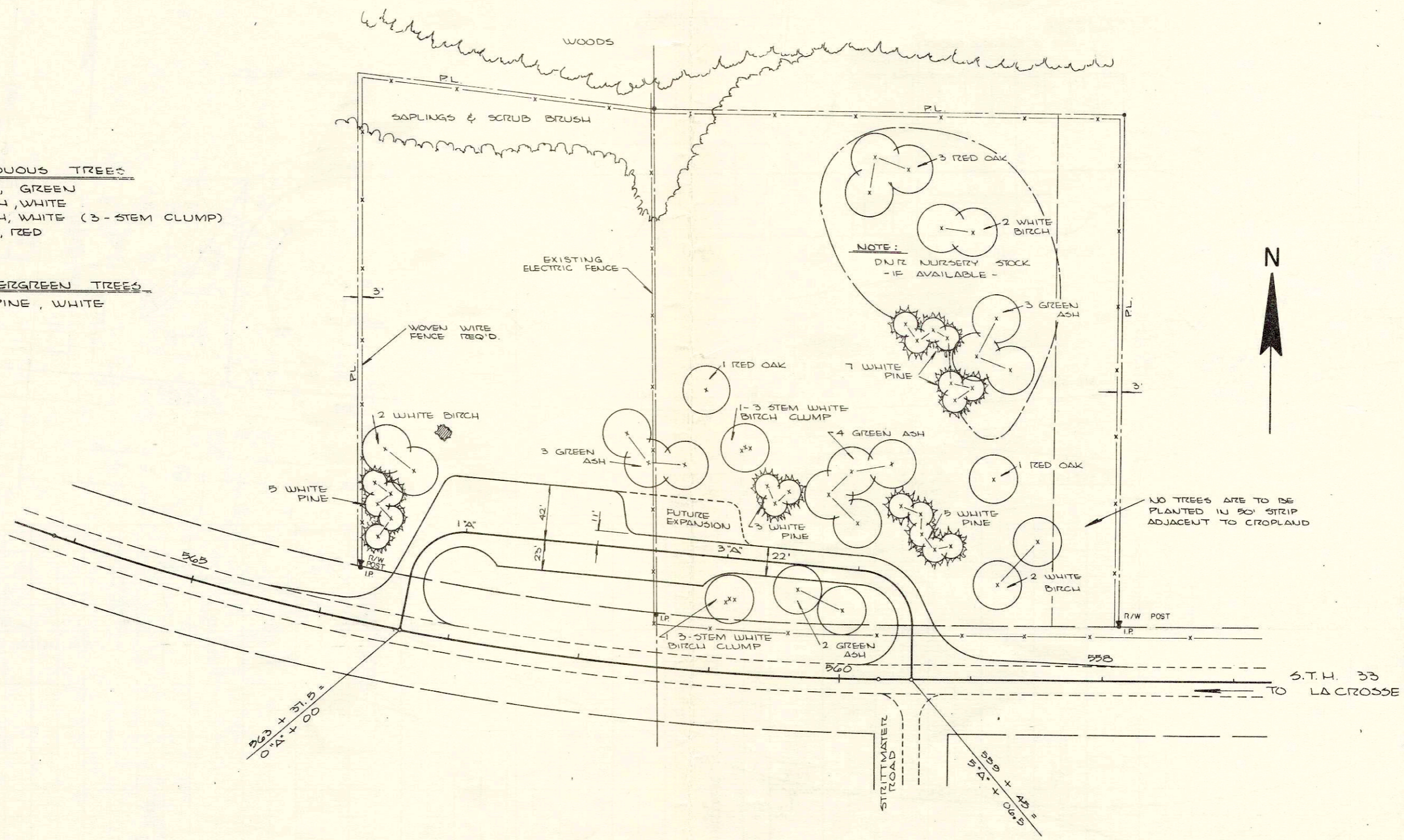
SCALE 1" = 40'

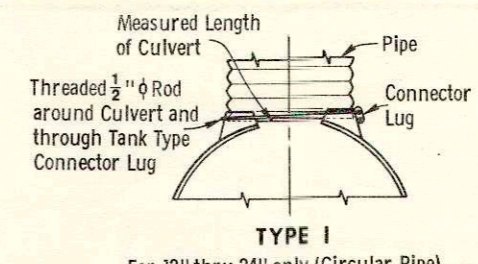
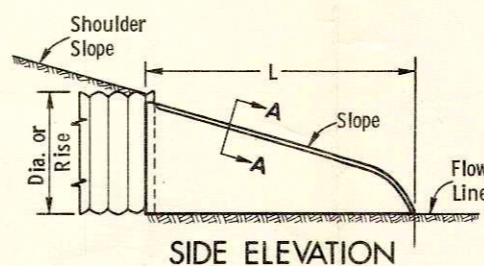
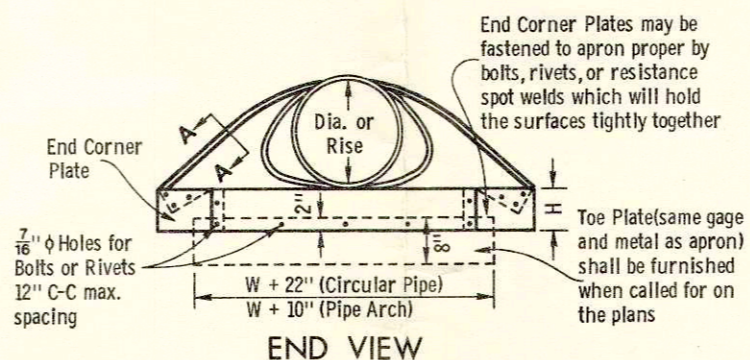
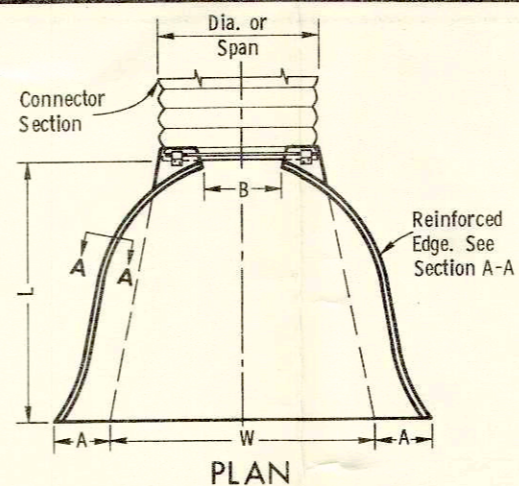
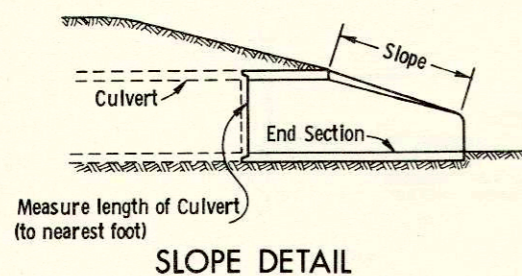
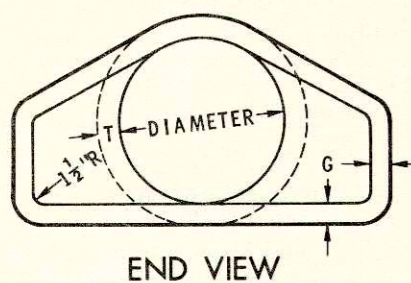
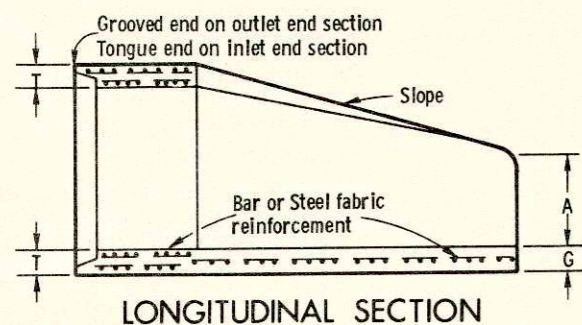
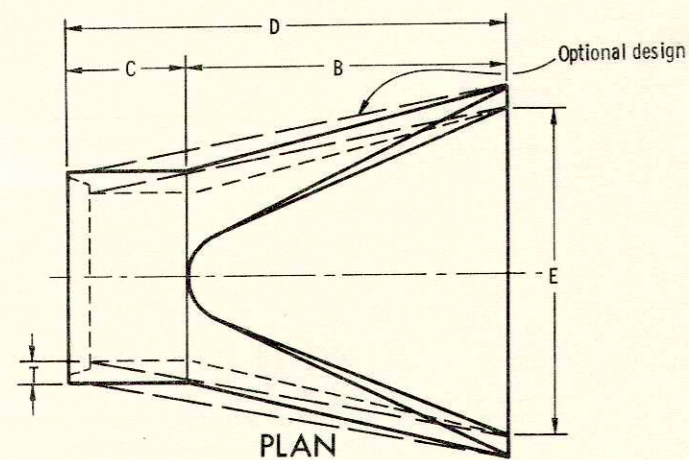
QUANT. DECIDUOUS TREES

12	ASH, GREEN
6	BIRCH, WHITE
2	BIRCH, WHITE (3-STEM CLUMP)
5	OAK, RED

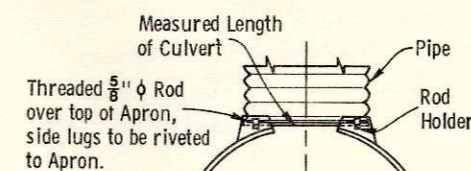
QUANT. EVERGREEN TREES

20	PINE, WHITE
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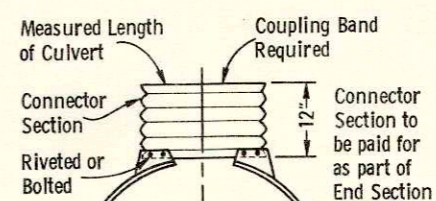




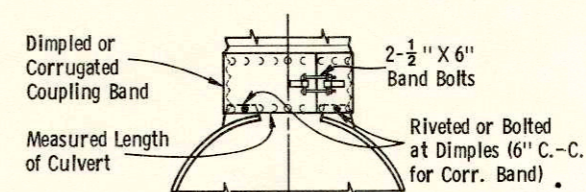
TYPE 1
For 12" thru 24" only (Circular Pipe)



TYPE 2
For 30" and 36" only (Circular Pipe)
For 18" X 11" thru 58" X 36" only (Pipe Arch)



TYPE 3
For 42" thru 84" only (Circular Pipe)
For 65" X 40" & 72" X 44" (Pipe Arch)



TYPE 5
Alternate for
All sizes Corrugated Circular Pipe and Pipe Arch

NOTE: Dimpled Band fits over Outside of Endwall, and Corr. Band fits Inside Endwall. Dimpled Band may be used with Helically Corrugated Pipe

CONNECTION DETAILS

CIRCULAR PIPE

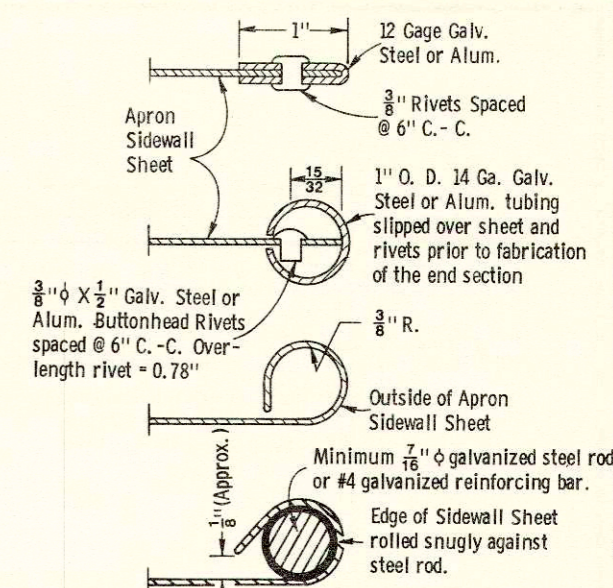
For Circumferentially Corrugated Pipe use Endwall Connection Details 1, 2, 3, or 5 as applicable.

For Helically Corrugated Pipe use Endwall Connection Details 1, 2 or 5.

For Helically Corrugated Pipes with two Circumferential Corrugations at each end use Endwall Connection Details 1, 2, or 3

PIPE ARCH

Use Endwall Connection Details 2, 3, or 5 as applicable.



SECTION A-A

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.

Variations of the dimensions and designs shown hereon will be permitted providing equivalent capacity and structural integrity are attained, and prior approval of the Engineer is obtained.

Concrete culvert endwalls may not be used with metal or aluminum culvert pipe, nor may metal or aluminum culvert endwalls be used with concrete culvert pipe.

When two or more pipes or pipe arches with apron endwalls are to be laid adjacent to each other, they shall be separated by the following amount:

Pipes: Total width of apron endwall less the diameter of pipe plus 6 inches.

Pipe Arches: Total width of apron endwall less the span dimension of the pipe arch plus 6 inches.

DIA.	APPROX. WEIGHT/SECTION	APPROX. SLOPE	T	A	B	C	D	E	G
12"	530	3 to 1	2"	4"	24"	48 7/8"	72 7/8"	24"	2"
15"	740	3 to 1	2 1/4"	6"	27"	46"	73"	30"	2 1/4"
18"	990	3 to 1	2 1/2"	9"	27"	46"	73"	36"	2 1/2"
21"	1,280	3 to 1	2 3/4"	9"	36"	37 1/2"	73 1/2"	42"	2 3/4"
24"	1,520	3 to 1	3"	9 1/2"	43 1/2"	30"	73 1/2"	48"	3"
27"	1,930	3 to 1	3 1/4"	10 1/2"	49 1/2"	24"	73 1/2"	54"	3 1/4"
30"	2,190	3 to 1	3 1/2"	12"	54"	19 3/4"	73 3/4"	60"	3 1/2"
36"	4,100	3 to 1	4"	15"	63"	34 3/4"	97 3/4"	72"	4"
42"	5,380	3 to 1	4 1/2"	21"	63"	35"	98"	78"	4 1/2"
48"	6,550	3 to 1	5"	24"	72"	26"	98"	84"	5"
54"	8,040	2 2/5 to 1	5 1/2"	27"	65"	33 1/4" - 35"	98 1/4" - 100"	90"	5"
60"	8,730	2 to 1	6"	30"	60"	39"	99"	96"	5"
66"	10,630	2 to 1	6 1/2"	34"	66"	44"	102"	102"	5 1/2"
72"	12,520	2 to 1	7"	38"	72"	49"	108"	108"	6"
78"	14,430	2 to 1	7 1/2"	42"	78"	54"	114"	114"	6 1/2"
84"	18,160	1 1/2 to 1	8"	48"	84"	60"	120"	120"	6 1/2"

** Minimum
* Maximum

REINFORCED CONCRETE APRON ENDWALLS

D PIPE DIAM.	MIN. METAL GAGE	MIN. ALUM. GAGE	DIMENSIONS					APPROX. SLOPE
			A ± 1"	B MAX.	H ± 1"	L ± 1 1/2"	W ± 2"	
12"	16	16	6"	6"	6"	21"	24"	2 1/2 to 1
15"	16	16	7"	8"	6"	26"	30"	"
18"	16	16	8"	10"	6"	31"	36"	"
21"	16	16	9"	12"	6"	36"	42"	"
24"	16	14	10"	13"	6"	41"	48"	"
30"	14	14	12"	16"	8"	51"	60"	"
36"	14	12	14"	19"	9"	60"	72"	"
42"	12	12	16"	22"	11"	69"	84"	"
48"	12	12	18"	27"	12"	78"	90"	2 1/4 to 1
54"	12	12	18"	30"	12"	84"	102"	2 to 1
60"	10	8	18"	33"	12"	87"	114"	1 3/4 to 1
66"	10	8	18"	36"	12"	87"	120"	1 1/2 to 1
72"	10	8	18"	39"	12"	87"	126"	1 1/3 to 1
78"	8	NA	18"	42"	12"	87"	132"	1 1/4 to 1
84"	8	NA	18"	45"	12"	87"	138"	1 1/8 to 1

NOTE: All splices to be lap riveted or bolted

METAL OR ALUMINUM APRON
ENDWALLS FOR CIRCULAR PIPES

PIPE - ARCH DIMENSIONS SPAN	RISE	GAGE MIN.	DIMENSIONS					APPROX. SLOPE
			A ± 1"	B MAX.	H ± 1"	L ± 1 1/2"	W ± 2"	
18"	11"	16	7"	9"	6"	19"	30"	2 1/2 to 1
22"	13"	16	7"	10"	6"	23"	36"	"
25"	16"	16	8"	12"	6"	28"	42"	"
29"	18"	16	9"	14"	6"	32"	48"	"
36"	22"	14	10"	16"	6"	39"	60"	"
43"	27"	14	12"	18"	8"	46"	75"	"
50"	31"	12	13"	21"	9"	53"	85"	"
58"	36"	12	18"	26"	12"	63"	90"	"
65"	40"	12	18"	30"	12"	70"	102"	2 1/4 to 1
72"	44"	12	18"	33"	12"	77"	114"	"

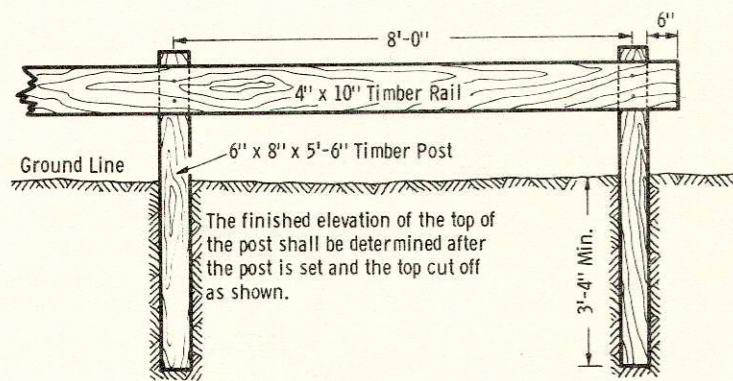
NOTE: All splices to be lap riveted or bolted

METAL APRON ENDWALLS
FOR PIPE ARCHES

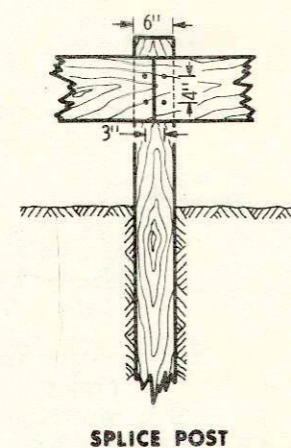
APRON ENDWALLS FOR
CULVERT PIPE AND
PIPE ARCH

State of Wisconsin
Department of Transportation
Division of Highways

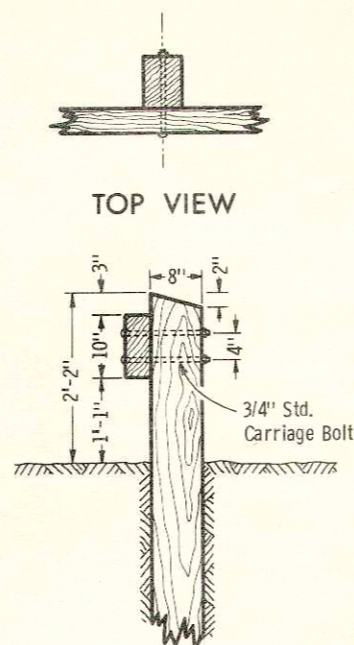
RECOMMENDED FOR APPROVAL:
4-11-72
DATE
APPROVED
4-11-72
DATE
S. E. Hicks
STATE HIGHWAY ENGINEER



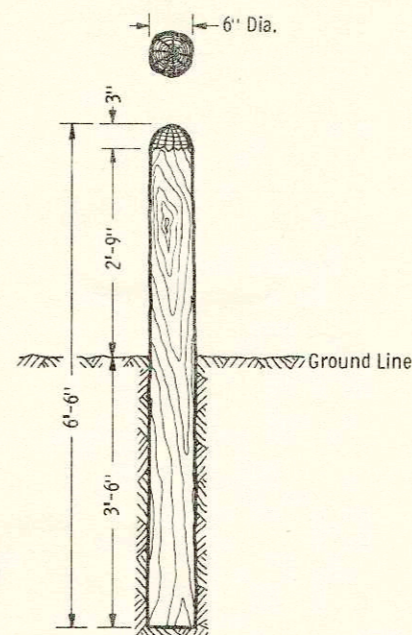
TIMBER RAIL FENCE
(PARKING LOT PROTECTION)



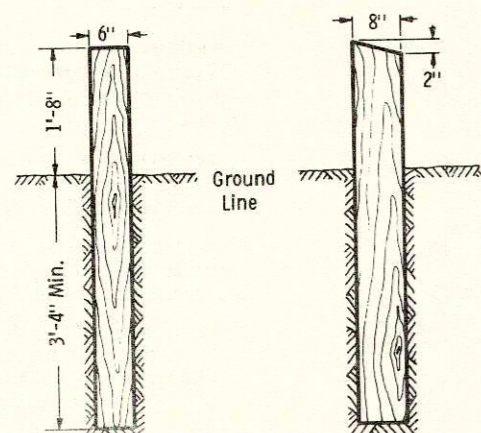
SPLICE POST



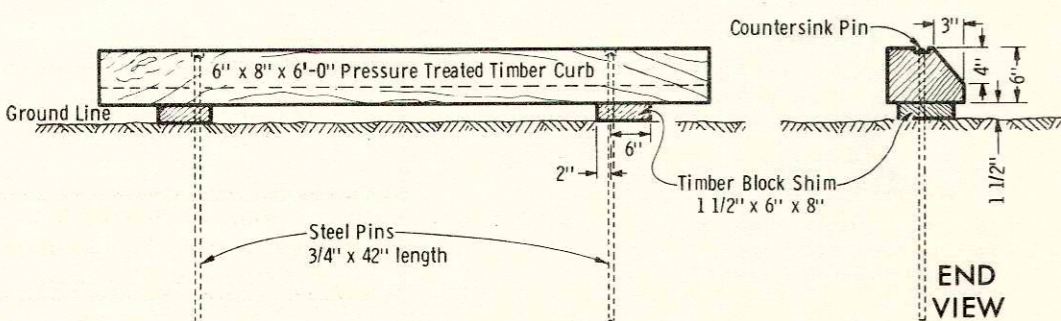
SIDE VIEW



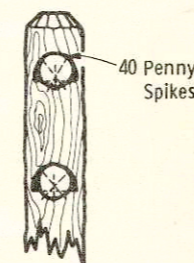
RUSTIC MARKER POST



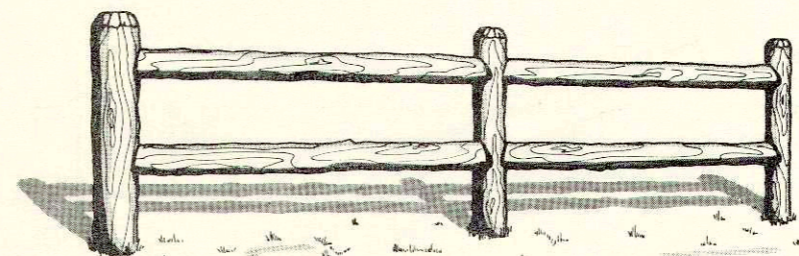
TIMBER GUARD POSTS
(REQUIREMENTS SHALL BE THE SAME AS POSTS FOR TIMBER RAIL FENCE.)



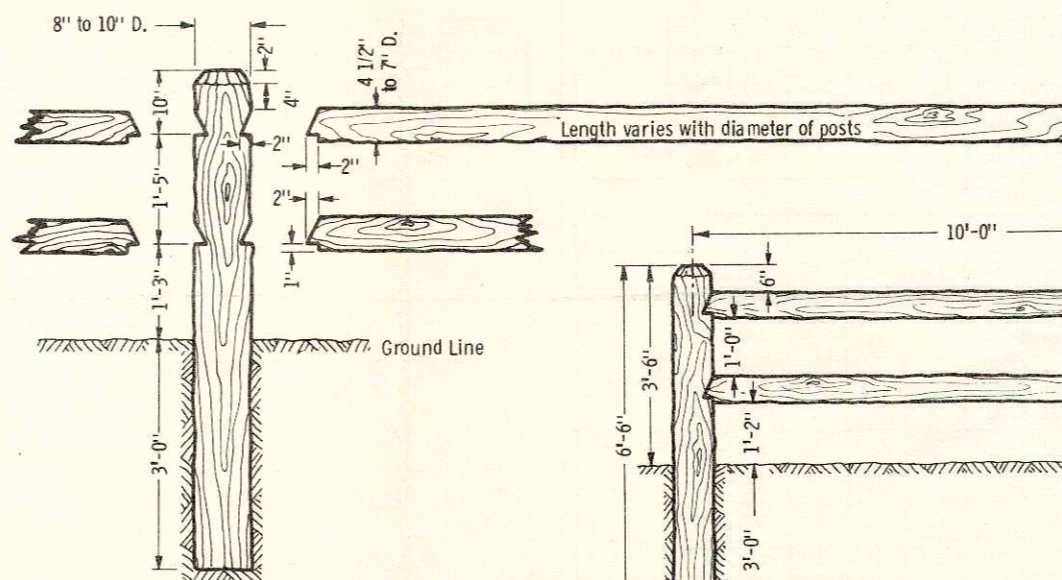
TREATED TIMBER CURB



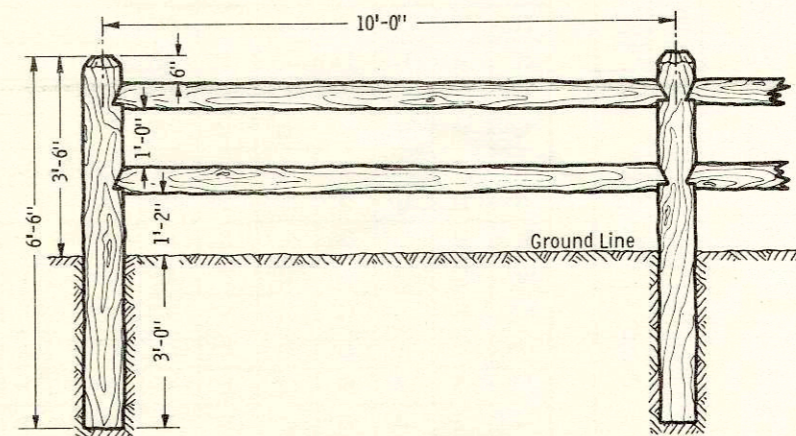
40 Penny Spikes



SPLICE POST



SPLICE POST



DOUBLE RAIL FENCE

RUSTIC RAIL FENCE

NOTES

Details of construction, materials and workmanship not shown on this drawing shall conform to the Standard Specifications and the applicable Special Provisions. All post and rail dimensions are nominal dimensions.

Alternate designs for Rustic Timber Posts and Rails other than those shown hereon may be used upon written approval of the Engineer.

RUSTIC POSTS AND RAILS

Posts and rails shall be sound and well-seasoned, reasonably straight, free from short kinks and exaggerated twists, free of excessive checking and sap rot. Butt rot shall not exceed 5% of the butt area.

Posts and rails shall be peeled, knots closely trimmed, and shaved to the white. Notches in posts and rail ends shall be cut with a saw to insure close fitting. Caps of posts may be shaped by axe.

Rails shall not be prefabricated. Rails shall be fastened to posts with 40 penny galvanized or cadmium plated spikes driven with care to prevent splitting.

The lower 3'-6" of the posts shall be treated in accordance with the requirements of the "cold-dipped treatment" Standard Specifications.

The above ground portion of the fence shall be painted with two coats of brown wood stain conforming to the applicable Standard Specifications.

TIMBER POSTS AND RAILS

The galvanizing or cadmium plating of hardware will not be required.

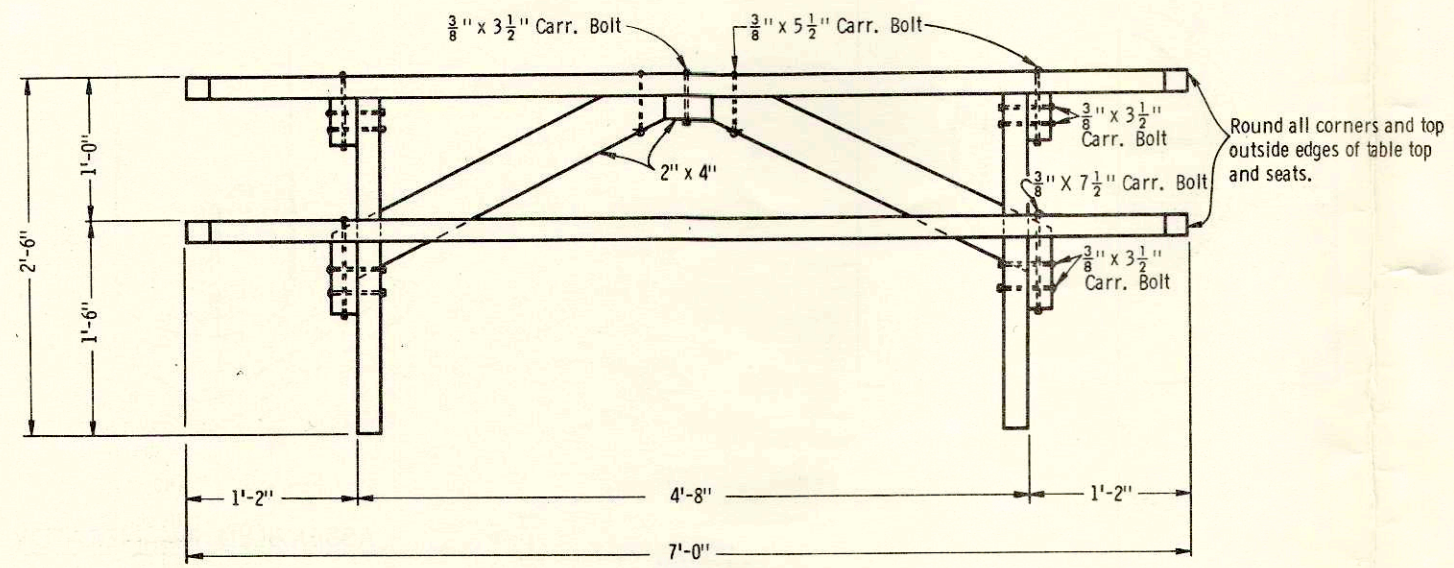
Posts when untreated shall be painted with two coats of brown wood stain conforming to the requirements of the applicable Standard Specifications. Tops of posts, if treated, shall be painted with two coats of creosote after erection. If untreated posts are used, paint tops with two coats of preservative wood stain after erection.

**TIMBER RAIL FENCE, CURB AND GUARD POST
RUSTIC RAIL FENCE AND MARKER POST**

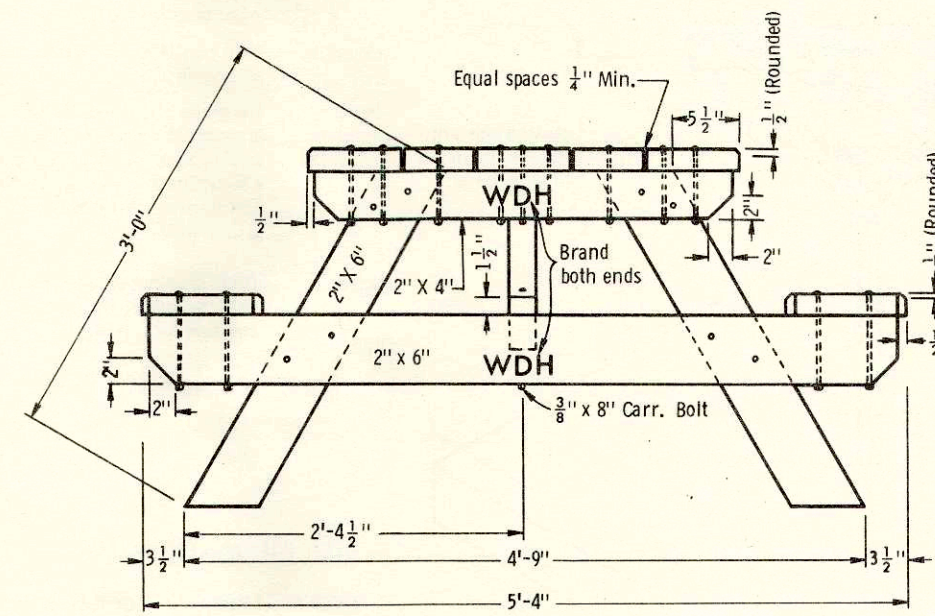
State of Wisconsin
Department of Transportation
Division of Highways

RECOMMENDED FOR APPROVAL:
DATE: 5/13/71
APPROVED: 5/13/71
DATE: 5/13/71

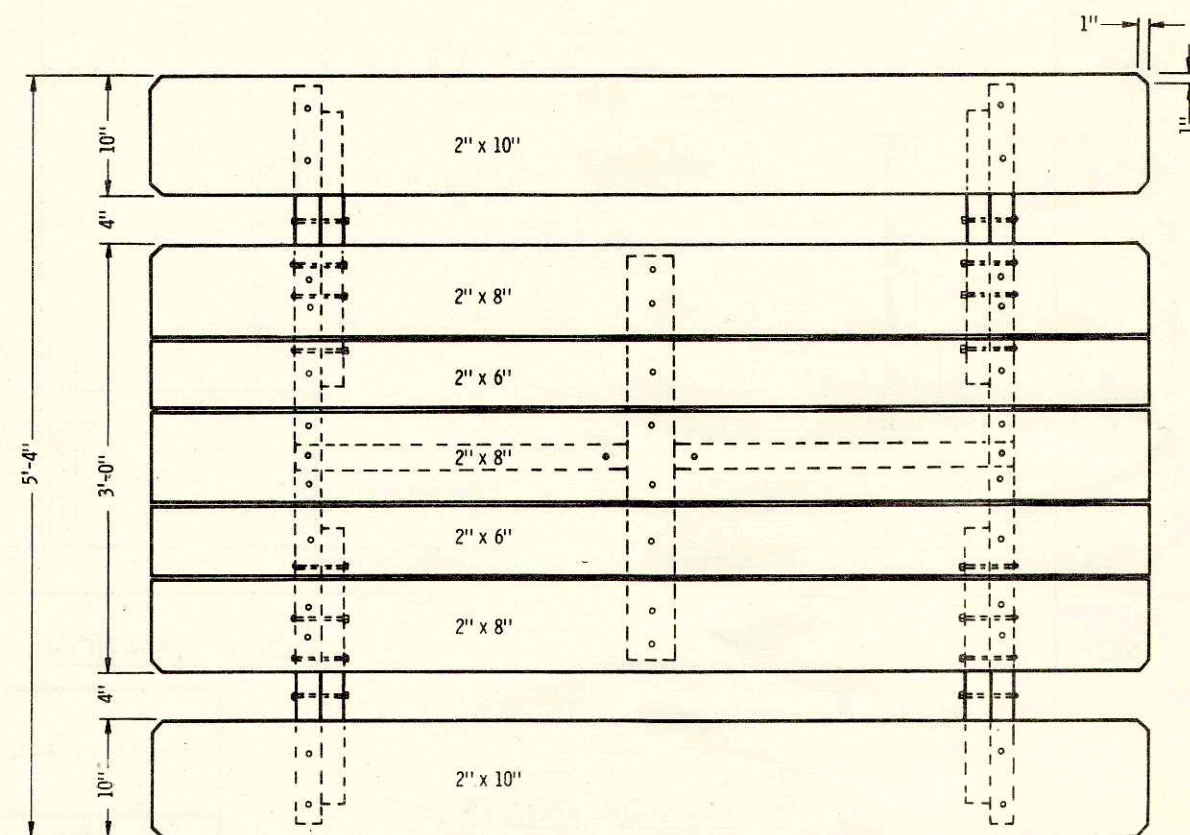
A. C. Hennel
ACTING CHIEF DESIGN ENGINEER
H. J. Dammister
STATE HIGHWAY ENGINEER



FRONT VIEW



END VIEW



PLAN VIEW

LIST OF MATERIALS

LUMBER (DIMENSIONS REFER TO NOMINAL SIZES)

3	Pieces	2"x8"x7'-0"	For Table Top
2	"	2"x6"x7'-0"	For Table Top
2	"	2"x4"x2'-11"	For Table Top Supports
1	"	2"x4"x2'-10"	For Table Top Cleat
2	"	2"x10"x7'-0"	For Seats
2	"	2"x6"x5'-3"	For Seat Supports
4	"	2"x6"x3'-0"	For Legs
2	"	2"x4"x2'-7"	For Center Braces

HARDWARE

24	3/8" x 3 1/2"	Carriage Bolts (Galvanized or Cadmium Plated)
18	3/8" x 5 1/2"	Carriage Bolts (Galvanized or Cadmium Plated)
8	3/8" x 7 1/2"	Carriage Bolts (Galvanized or Cadmium Plated)
2	3/8" x 8"	Carriage Bolts (Galvanized or Cadmium Plated)
52	3/8"	Flat Washers

GENERAL NOTES

The lumber shall be well seasoned and dressed, surfaced on four (4) sides and of one of the following: Douglas Fir select structural or better; or Southern Yellow Pine grade "D" finish for the tops and seats and No. 1 or better for the remaining pieces.

All lumber shall be treated with a wood preservative consisting of a clear solution of not less than five percent (5%) by weight of pentachlorophenol in a light petroleum oil solvent which will not interfere with subsequent painting. The Pine or Fir shall be treated by immersing in the 5% pentachlorophenol solution for a period of not less than ten (10) minutes. Final boring and cutting shall be done before treatment. Any subsequent boring on cut surfaces shall be treated by generous brushing.

All hardware shall be galvanized or cadmium plated.

The table shall be branded with the letters "WDH" on both ends as indicated. Letters shall be 1/8" or more in depth and 2" in height.

ROADSIDE PICNIC TABLE

State of Wisconsin
Department of Transportation
Division of Highways

RECOMMENDED FOR APPROVAL: *A. C. Herried*
DATE: 5/13/71
ACTING CHIEF DESIGN ENGINEER

APPROVED: *H. J. Dammister*
DATE: 5/13/71
STATE HIGHWAY ENGINEER

GRILL DESIGN

Material: High quality grey iron ASTM, A-48-56 Class 30.

Paint: Heat resistant silicon base aluminum paint to withstand 500°-1000° F.

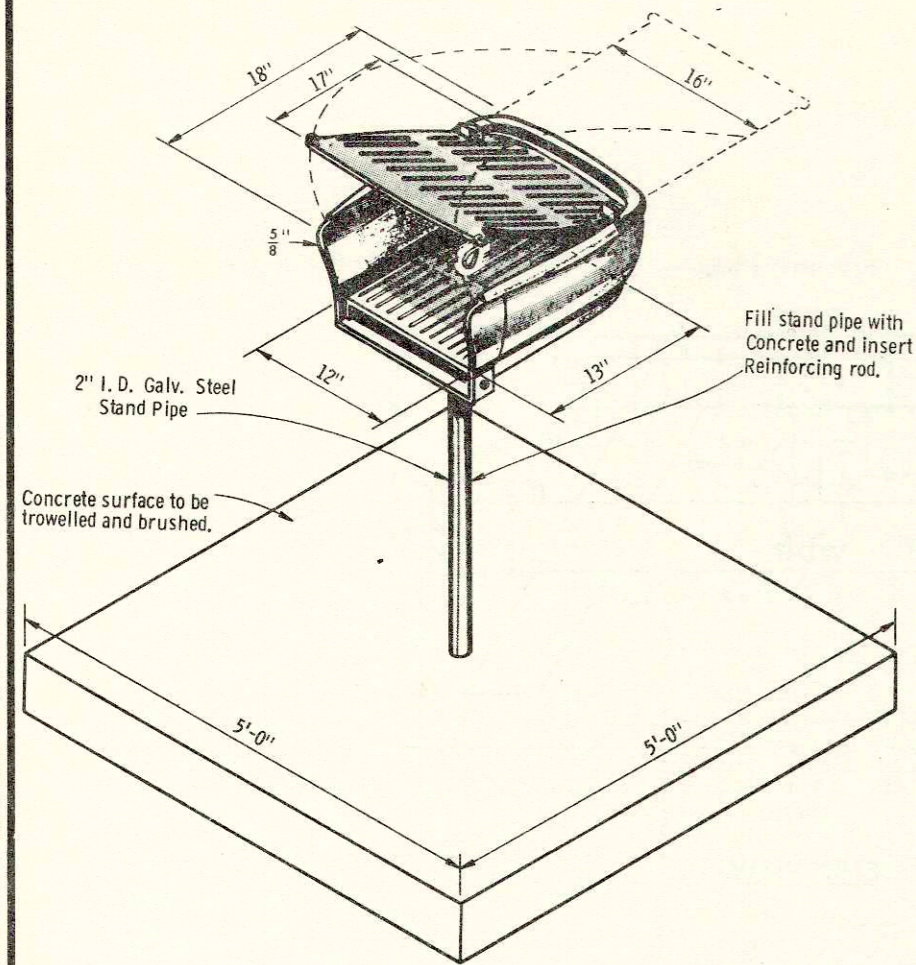
Mounting: Theft resistant, 360° swivel mounting on a stationary support post.

Design: Two grates, both movable and designed to permit the addition of fuel without moving top grate. Top grate must have a minimum of 250 square inches of cooking area. Refer to drawing for basic grill dimensions.

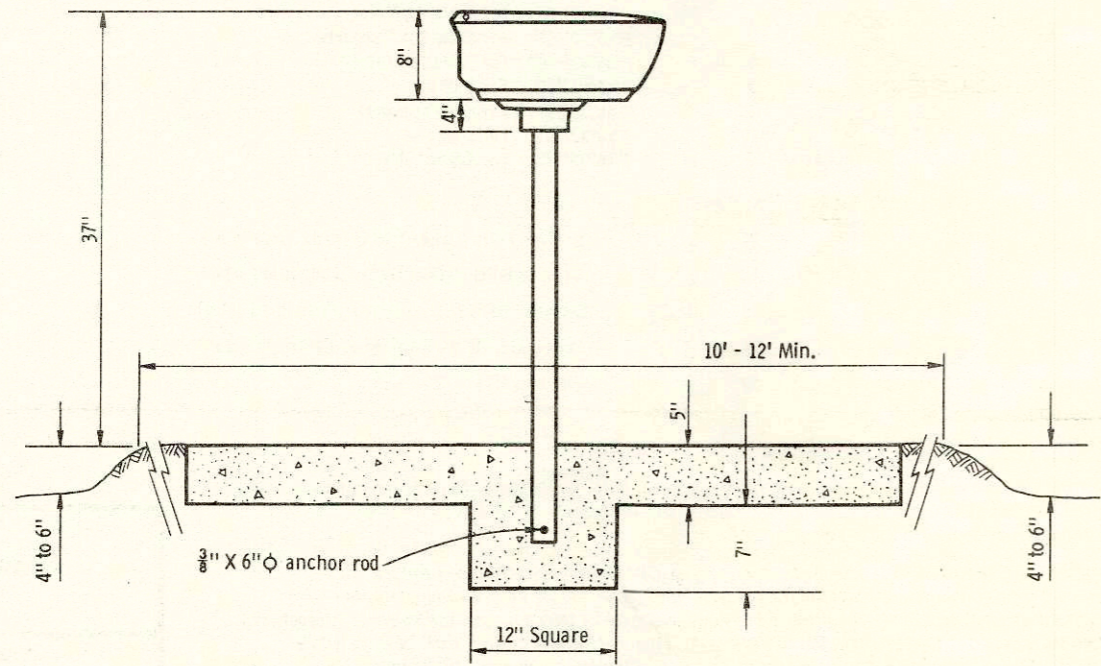
Note: Detail drawings for any proposed alternate Grill designs shall be submitted to the engineer for approval.

BILL OF MATERIALS

- 1 - Charcoal Park Grill - Complete, including top and bottom grates, grill, coupling, bolt, nut, stand pipe and rod.
- 0.42 Cu. Yd. concrete
- 2 Cu. Yd. Fill
- 3 L. F. $\frac{1}{2}$ " ϕ \pm Reinforcing Rod

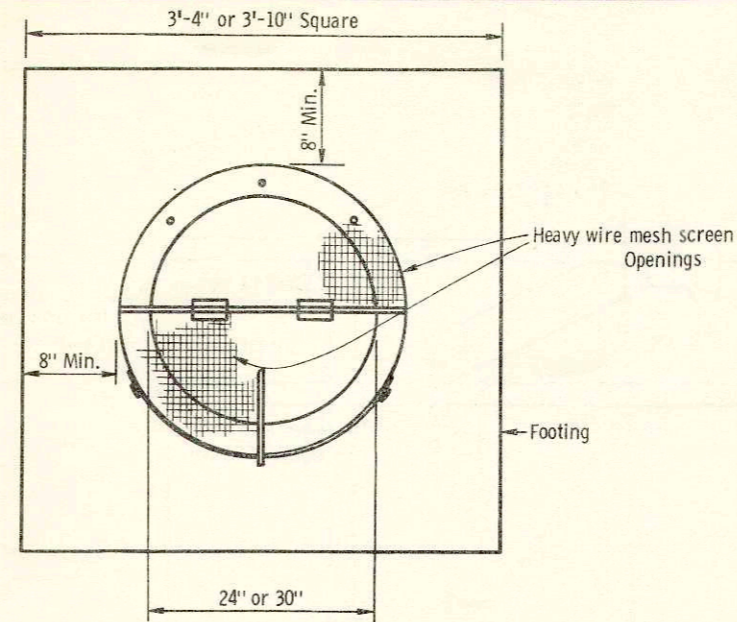


ASSEMBLED GRILL

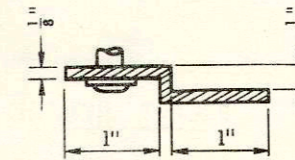


BASE CONSTRUCTION

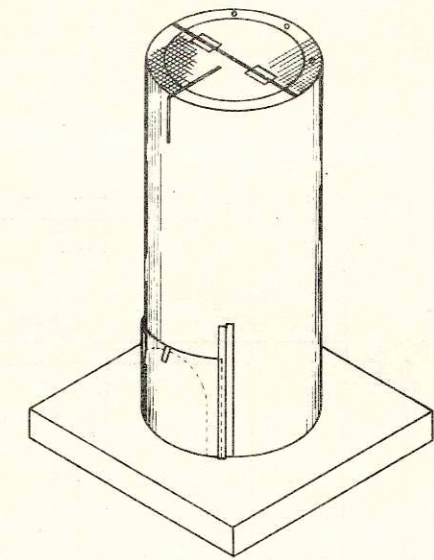
CHARCOAL PARK GRILL DETAILS



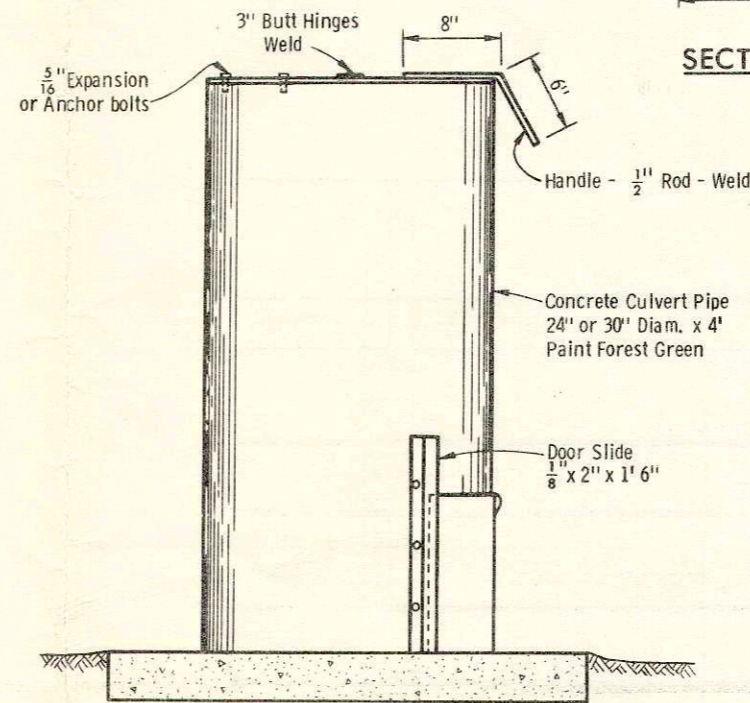
PLAN VIEW



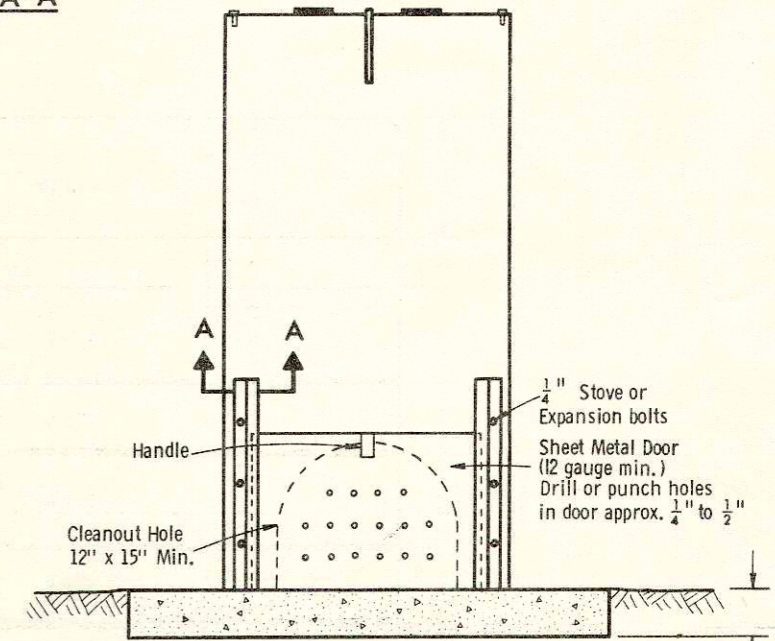
SECTION A-A



ASSEMBLED INCINERATOR



SIDE ELEVATION



FRONT ELEVATION

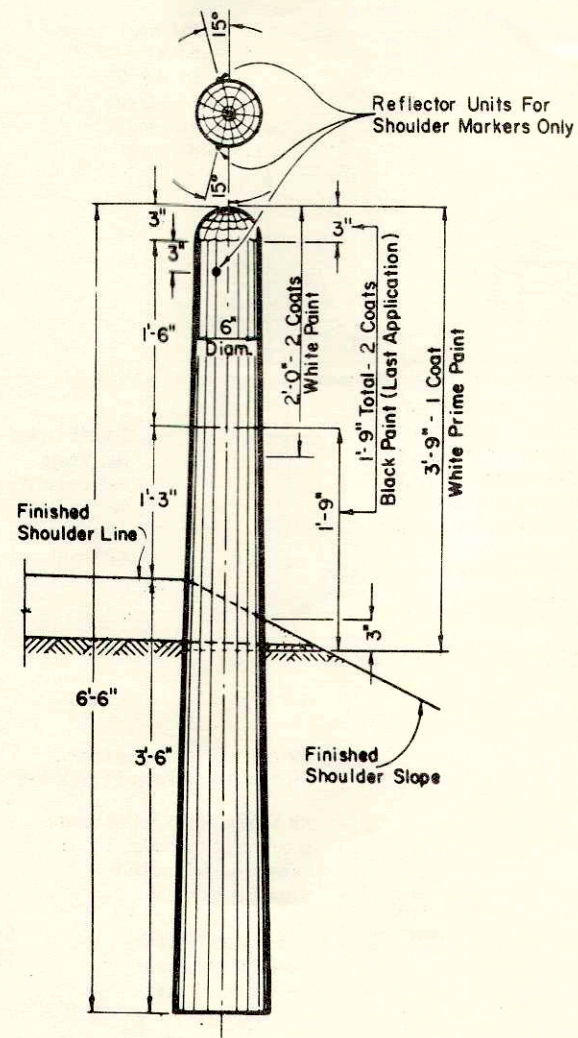
INCINERATOR DETAILS

CHARCOAL GRILL AND INCINERATOR

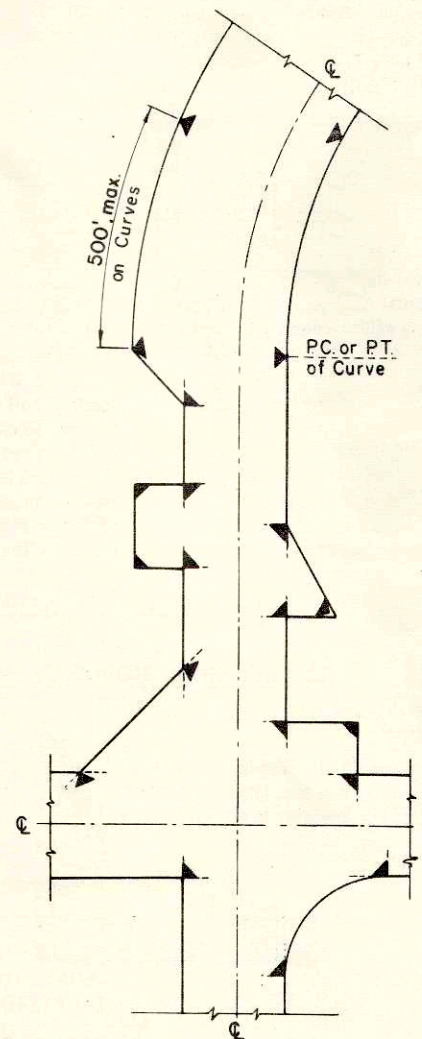
State of Wisconsin
Department of Transportation
Division of Highways

RECOMMENDED FOR APPROVAL:
DATE: 5/13/71
ACTING CHIEF DESIGN ENGINEER: *L. C. Schmidt*

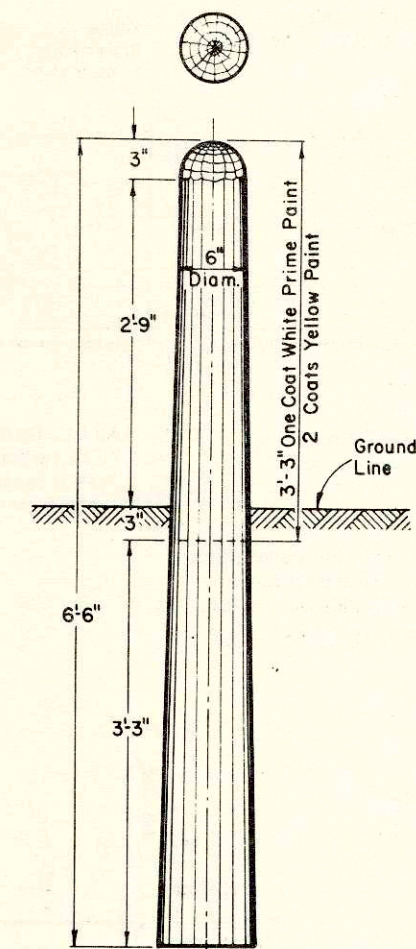
APPROVED:
DATE: 5/13/71
STATE HIGHWAY ENGINEER: *H. J. Summerville*



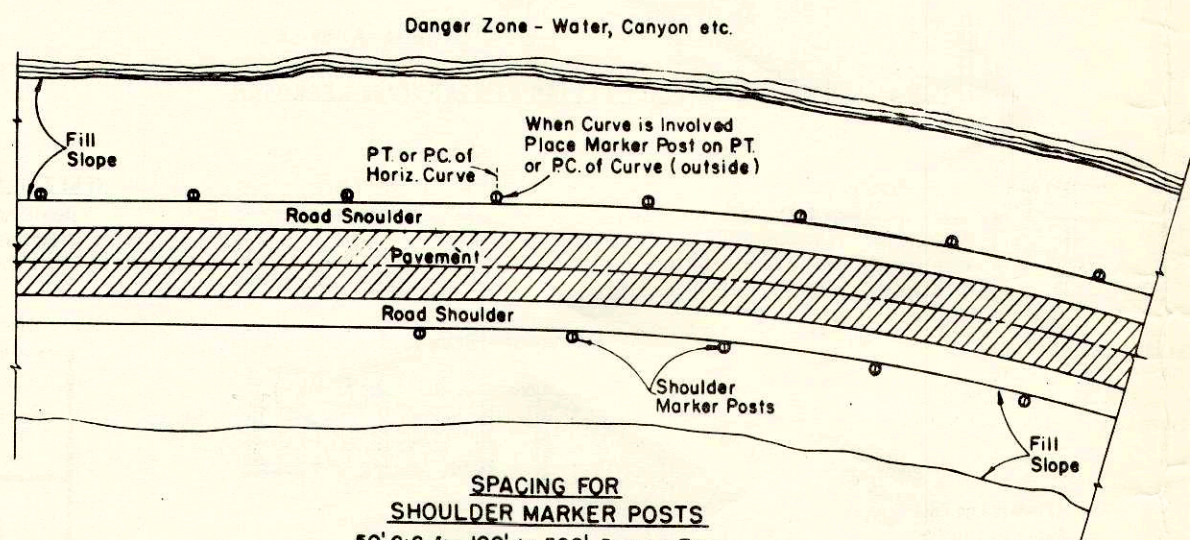
MARKER POST FOR ROAD SHOULDERS



LOCATION DIAGRAM SHOWING TYPICAL LOCATIONS OF MARKER POSTS FOR RIGHT OF WAY



MARKER POST FOR RIGHT OF WAY



SPACING FOR SHOULDER MARKER POSTS
 50' C:C for 100' to 500' Danger Zones
 100' C:C for Over 500' Danger Zones
LOCATION DIAGRAM SHOWING RELATIVE LOCATIONS OF SHOULDER MARKER POSTS

MARKER POSTS FOR ROAD SHOULDERS

MARKER POST FOR RIGHT OF WAY

GENERAL NOTES

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

MARKER POSTS FOR RIGHT OF WAY

Right of Way Marker Posts shall be erected in advance of grading operations. Posts shall be placed at the outer limits of the highway Right of Way, but entirely within the Right of Way, and shall be so placed that the outer edge of the posts shall be tangent to the Right of Way line or lines extended. The exact location of all Right of Way posts will be staked in the field by the Engineer.

REFLECTOR UNITS

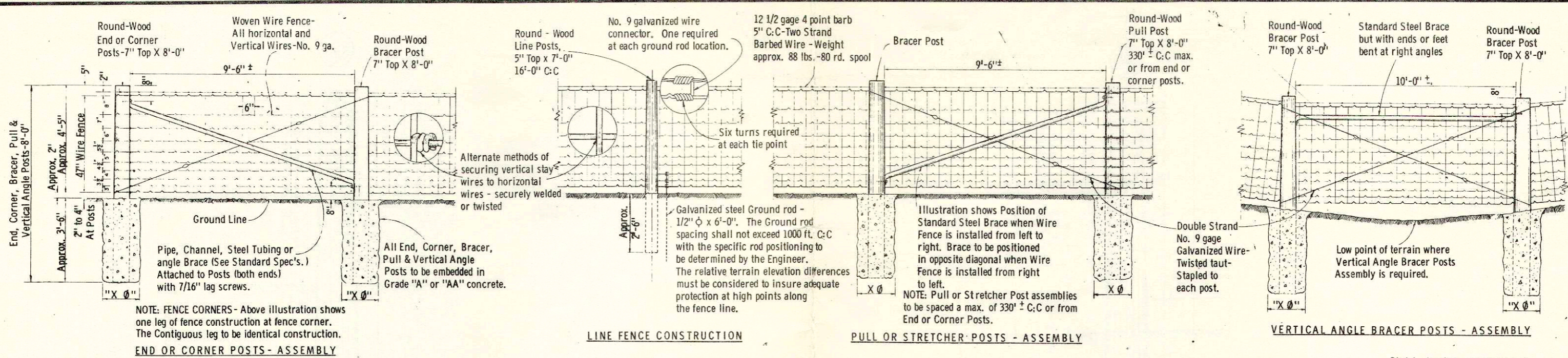
Reflector Units shall be installed in road shoulder marker posts only. Reflector Units shall have plastic crystal lens 7/8" in diameter. Unit assembly shall be a minimum of 7/8" in length. Reflector Units shall be furnished with flared expanding metal clips for wood mounting. Units shall be mounted in tightest fit possible and securely stayed in posts.

MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY

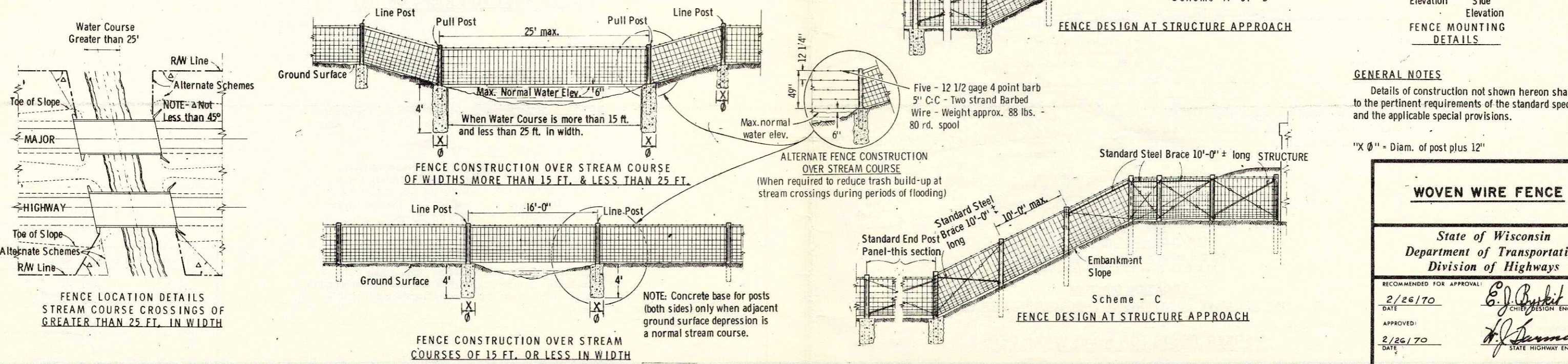
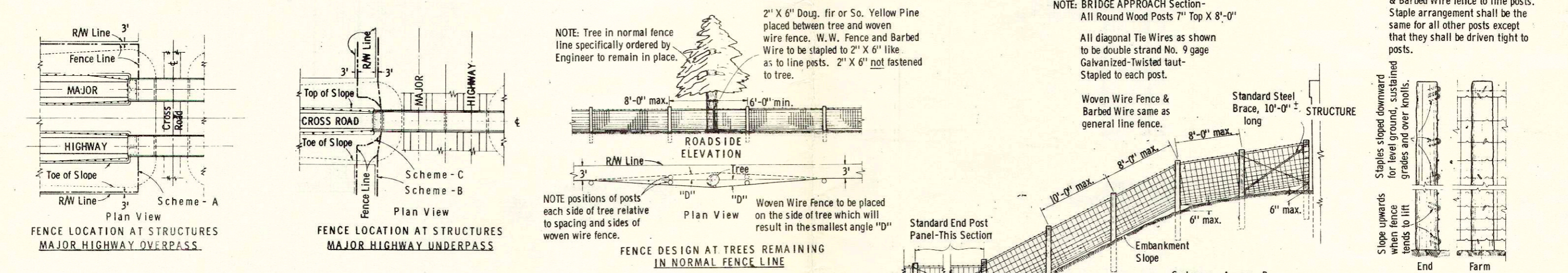
State Highway Commission of Wisconsin

RECOMMENDED FOR APPROVAL
 DATE 7/6/66
 APPROVED
 DATE 7/4/66

E.J. Byrkit
 CHIEF DESIGN ENGINEER
H.K. [Signature]
 STATE HIGHWAY ENGINEER



GENERAL ROADSIDE VIEW --- WOVEN WIRE FENCE



GENERAL NOTES

Details of construction not shown hereon shall conform to the pertinent requirements of the standard specifications and the applicable special provisions.

"X Ø" = Diam. of post plus 12"

WOVEN WIRE FENCE

State of Wisconsin
Department of Transportation
Division of Highways

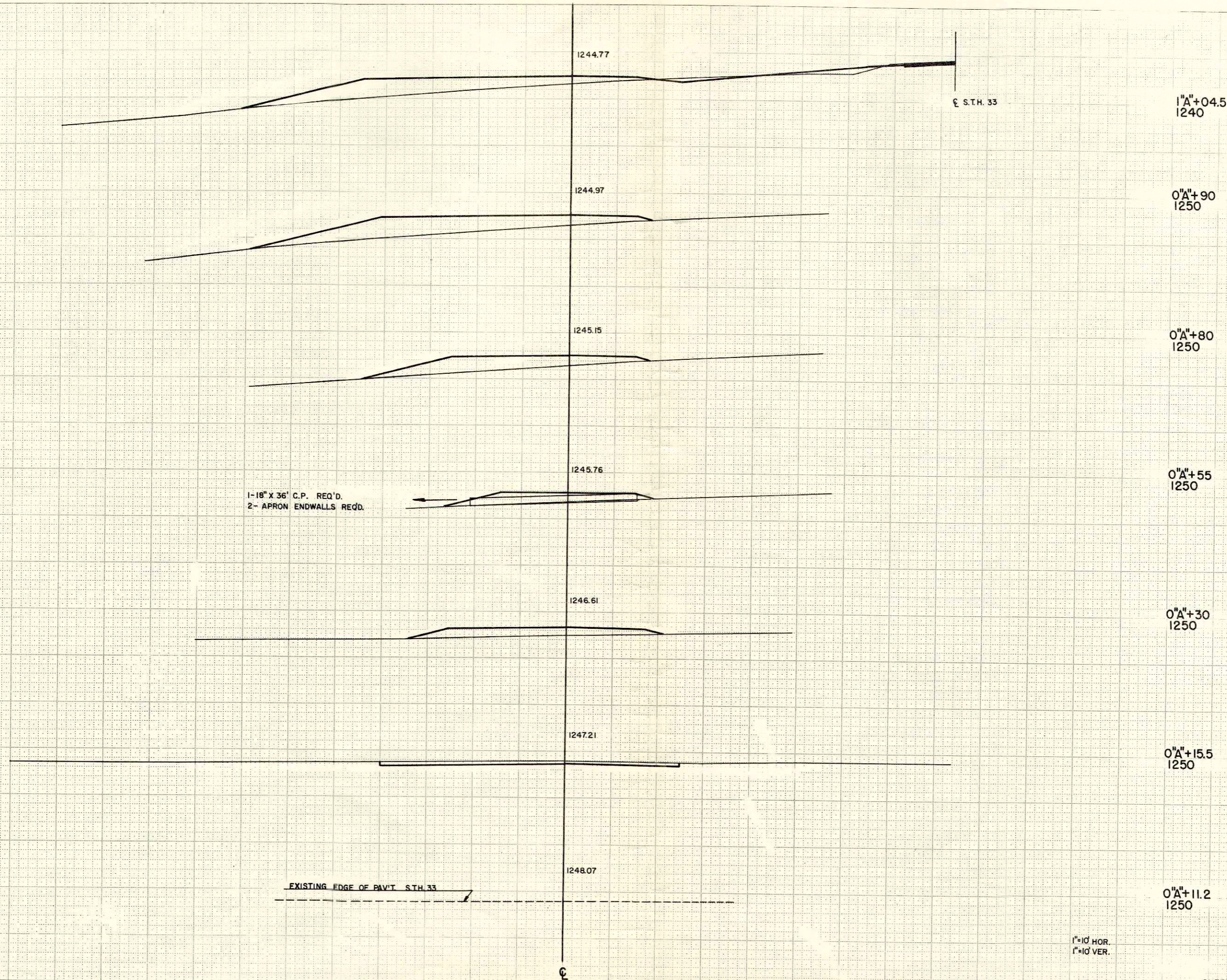
RECOMMENDED FOR APPROVAL:
DATE: 2/26/70
E. J. Byrkit
CHIEF DESIGN ENGINEER

APPROVED:
DATE: 2/26/70
H. J. Summister
STATE HIGHWAY ENGINEER

S.D.D. 15B1-1

S.D.D. 15B1-1

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	5121-1-61	8	



STATION	DISTANCE	YARDAGE		
		UNCL.	EXCAVATION	FILL
1"A"+04.5 1240				
0"A"+90 1250	11.2	4		0
0"A"+15.5				
0"A"+30		2		24
0"A"+55		0		80
0"A"+80 1250		0		100
0"A"+80				
0"A"+90		0		65
1"A"+90		4		118
0"A"+55 1250	04.5			
0"A"+30 1250				
0"A"+15.5 1250				
0"A"+11.2 1250				

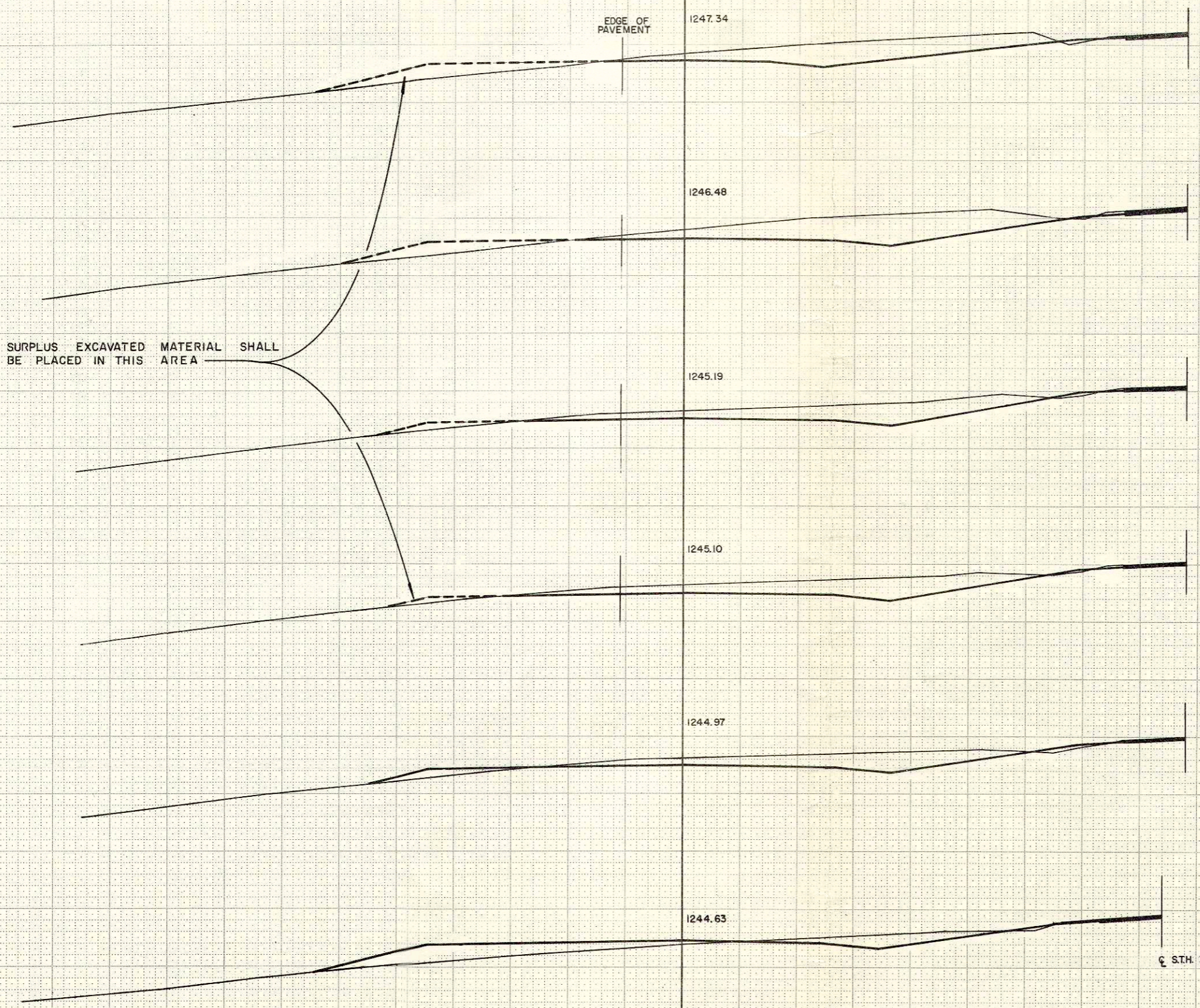
PLANNING
 TEMPLATE
 NOTE BOOK
 AREAS
 CHECKED
 NO.

PLANNING
 TEMPLATE
 NOTE BOOK
 AREAS
 CHECKED
 NO.

1"=10' HOR.
1"=10' VER.

SHEET TOTAL 10 387

B.P.R. REGION DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4 WIS.	5121-1-61	8.1	



STATION	DISTANCE	YARDAGE		
		EXCAVATION		FILL
		UNCL.		
3"A"+03.5 1250				
1"A"+ 04.5		24		135
1"A"+ 26		281		198
2"A"+82 1250				
2"A"+ 00		139		13
2"A"+ 22		65		2
2"A"+ 32		377		9
2"A"+ 82		172		4
3"A"+ 03.5				
2"A"+32 1250				
2"A"+22 1250				
2"A"+00 1250				
1"A"+26 1250				
SHEET TOTAL		1058		361

NOTE BOOK TEMPLATE
AREA
AREAS CHECKED

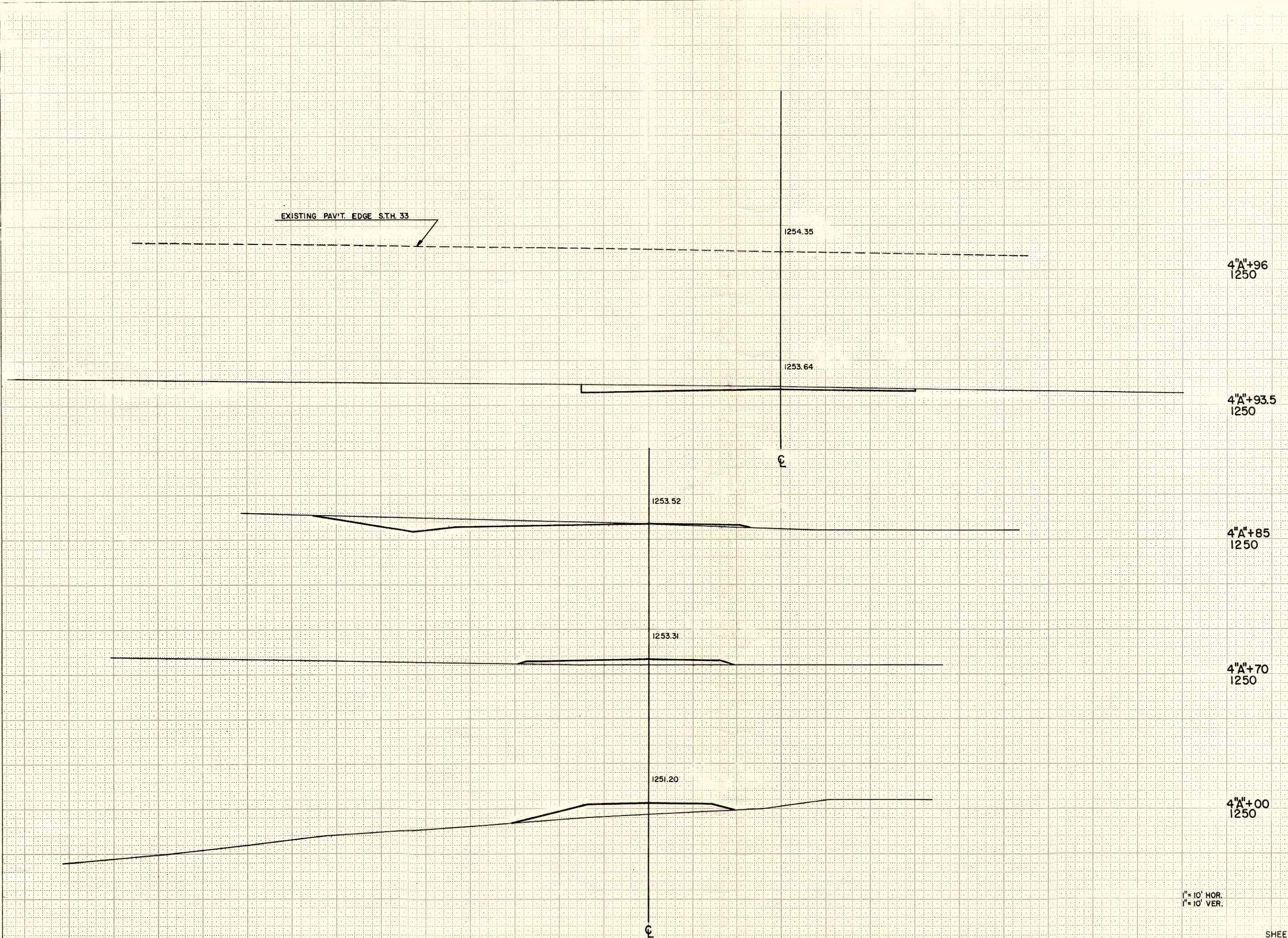
NOTE BOOK TEMPLATE
AREA
AREAS CHECKED

1" = 10' HOR.
1" = 10' VER.

3

NOTE BOOK NO. _____
 TEMPLATE NO. _____
 AREA CHECKED _____

NOTE BOOK NO. _____
 TEMPLATE NO. _____
 AREA CHECKED _____



STATION	DISTANCE	YARDAGE		
		EXCAVATION		
		UNCL.		FILL
3" + 03.5		338		187
4" + 00		0		195
4" + 70		26		17
4" + 85		28		2
4" + 93.5		4		0
4" + 96				
4" + 93.5				
4" + 85				
4" + 70				
4" + 00				

4"
+
96
1250

4"
+
93.5
1250

4"
+
85
1250

4"
+
70
1250

4"
+
00
1250

1" = 10' HOR.
 1" = 10' VER.

SHEET TOTAL 396 401