DNR/DOT PROJECT REVIEW

State of Wisconsin – Department of Natural Resources (DNR) and Department of Transportation (WisDOT)
DTNR0002 8/2017

DNR Internet: http://dnr.wi.gov/	WisDOT Internet: http://wisconsindot.gov/
ANDY BARTA DNR SOUTH CENTRAL REGION HEADQUARTERS 3911 FISH HATCHERY ROAD FITCHBURG, WI 53711	**Wisconsin Department of Transportation** **Division of Transportation Systems Development** 3550 Mormon Coulee Road La Crosse, WI 54601

Inform WisDOT Regional Environmental Coordinator, if more than 45 days is needed.

Design Project ID	Project Highway	Review Submittal Date (m/d/yy)
5680-04-30	STH 60	5/1/18
Construction Project ID	**Estimated Project Cost (range)**	**Construction Year (yyyy)**
5680-04-60	$3,750,000.00 to $4,250,000.00	2020

Project Name	Project Limits
Spring Green - Sauk City	USH 14 to Fox Road
County	**Project on Tribal Land**
Sauk	☐ Yes ☒ No
Contact Name	**Contact (Area Code) Phone Number**
Nathaniel Schumaker	(608) 386-1334
Section/Township/Range	
S02, T08N, R04E	

Type of Review Requested

- ☒ Initial Review
- ☐ Final Concurrence
- ☐ Scope Change
- ☐ Other:

Document Type

- ☐ Environmental Assessment (EA)
- ☐ Environmental Report (ER)
- ☐ Programmatic Categorical Exclusion (PCE)
- ☒ Categorical Exclusion Checklist (CEC)

WisDOT Project Classification

- ☐ Bridge Rehabilitation, FDM 3-5-2
- ☐ Bridge Replacement, FDM 3-5-2
- ☐ Expansion, FDM 3-5-2
- ☐ Pavement Replacement, FDM 3-5-2
- ☐ Preventive Maintenance, FDM 3-1-5
- ☐ SHRM (State Hwy Rehab/Maint), Maintenance Manual 13.08
- ☐ Recondition, FDM 3-5-2
- ☐ Reconstruction, FDM 3-5-2
- ☒ Resurface, FDM 3-5-2
- ☐ Safety (HSIP), PMM 4-1-10
- ☐ Other:

Work Involved

- ☒ Beam Guard Replacement
- ☒ Borrow and/or Waste Site Required
- ☐ Channel Change/Stream Relocation
- ☐ Clearing and Grubbing
- ☐ Culvert Replacement or Extensions
- ☐ Dredging
- ☐ Grading
- ☒ Fill Outside Toe of Slope
- ☐ Intersection Improvement
- ☐ Right of Way Acquisition
- ☒ Shoulder Work
- ☐ Storm Sewer
- ☐ Other:

Storm Water Management (check all that apply)

- ☐ Trans 401 post construction requirements
- ☐ NPDES MS4/Urbanized Area
- ☐ TMDL Implementation Area

For more information, please see the back of this form.

Project Description and Reason for Project:
(include project location map with limits and necessary attachments; attach additional sheets if needed)

The purpose of this project is to preserve and improve the existing pavement with a two inch mill and HMA overlay. This may be upgraded to a mill and relay operation depending on the pavement structure information determined by the boring operation performed in April of 2018. Either operation is proposed to maintain the existing roadway width of 32 feet as shown in the attached typical sections. In addition to the pavement improvement, guardrail terminals are to be upgraded as needed. A relatively low quantity of borrow will be reguired for the necessary grading work for the new MGS energy absorbing terminals. There is no proposed culvert work at this time because that enevour has been assigned to Sauk County maintenance personnel. Lastly, there is no currenly scoped structure work.

Attachments:
#1 - Project Location Map
#2 - Typical Sections
#3 - Plan Details
#4 - 1957 Asbuilt

Attachment #1

Wisconsin Department of Transportation

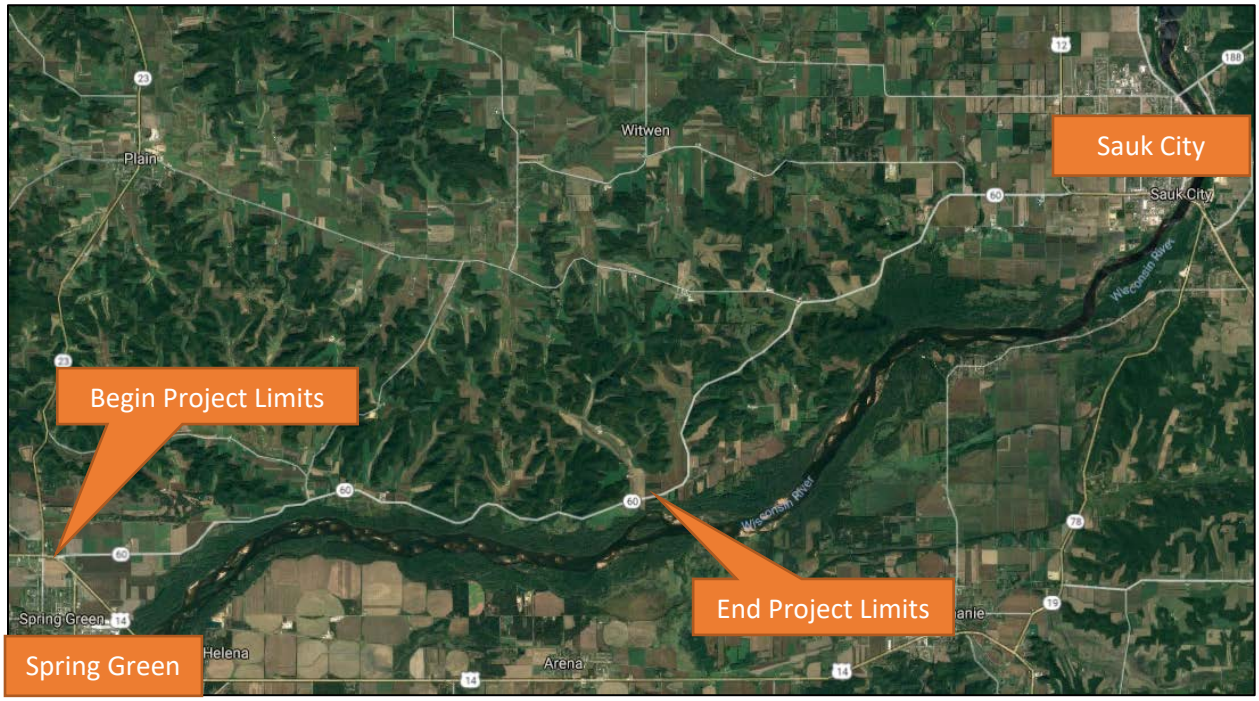
State Project I.D. 5680-04-30/60

Spring Green – Sauk City

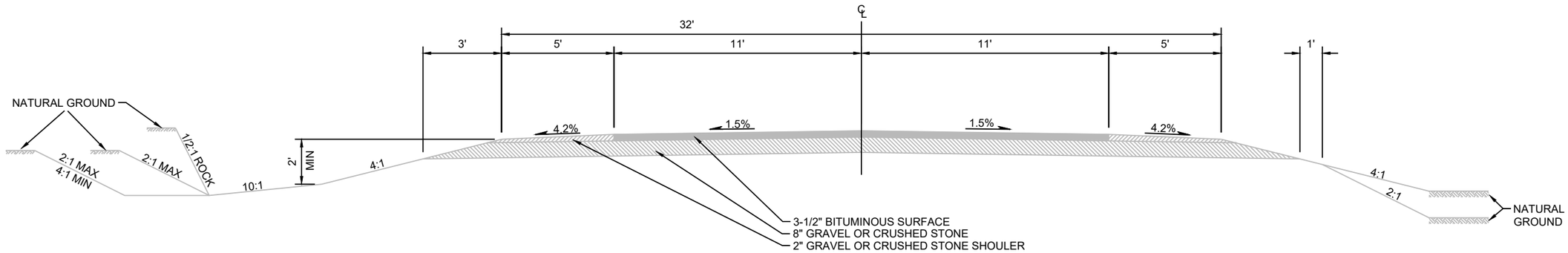
USH 14 to Fox Road

STH 60, Sauk County

Project Location Map



2

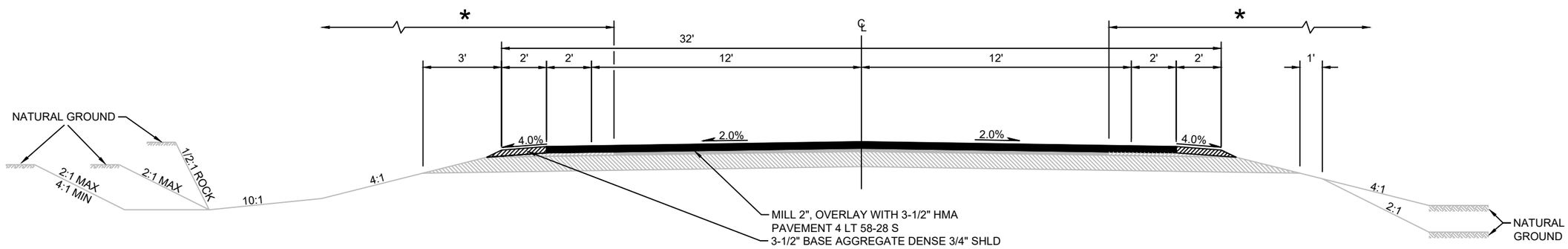


STANDARD 1/2 SECTION IN CUT

STANDARD 1/2 SECTION IN FILL

STH 60 EXISTING TYPICAL SECTION

STA. 0+93 TO STA. 541+00

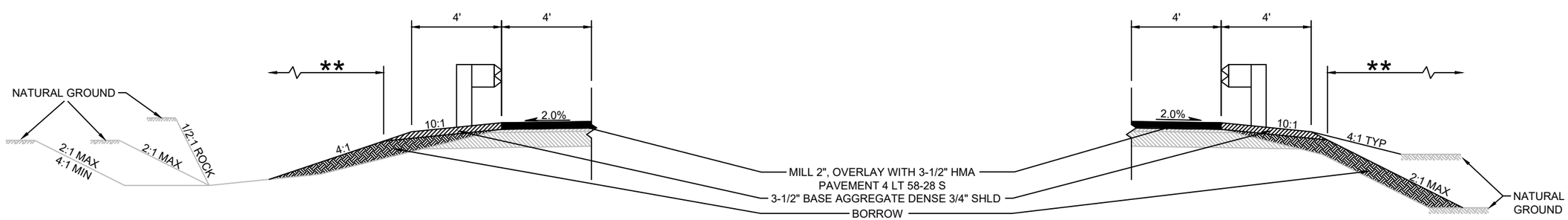


STANDARD 1/2 SECTION IN CUT

STANDARD 1/2 SECTION IN FILL

STH 60 PROPOSED TYPICAL SECTION

STA. 0+93 TO STA. 541+00



STH 60 PROPOSED GUARDRAIL TYPICAL SECTIONS

* LIMITS OF SHAPING SHOULDERS & PREPARING FOUNDATION FOR ASPHALTIC SHOULDERS

** LIMITS OF TOPSOIL, EMAT AND SEEDING

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	TYPICAL SECTIONS	SHEET	E

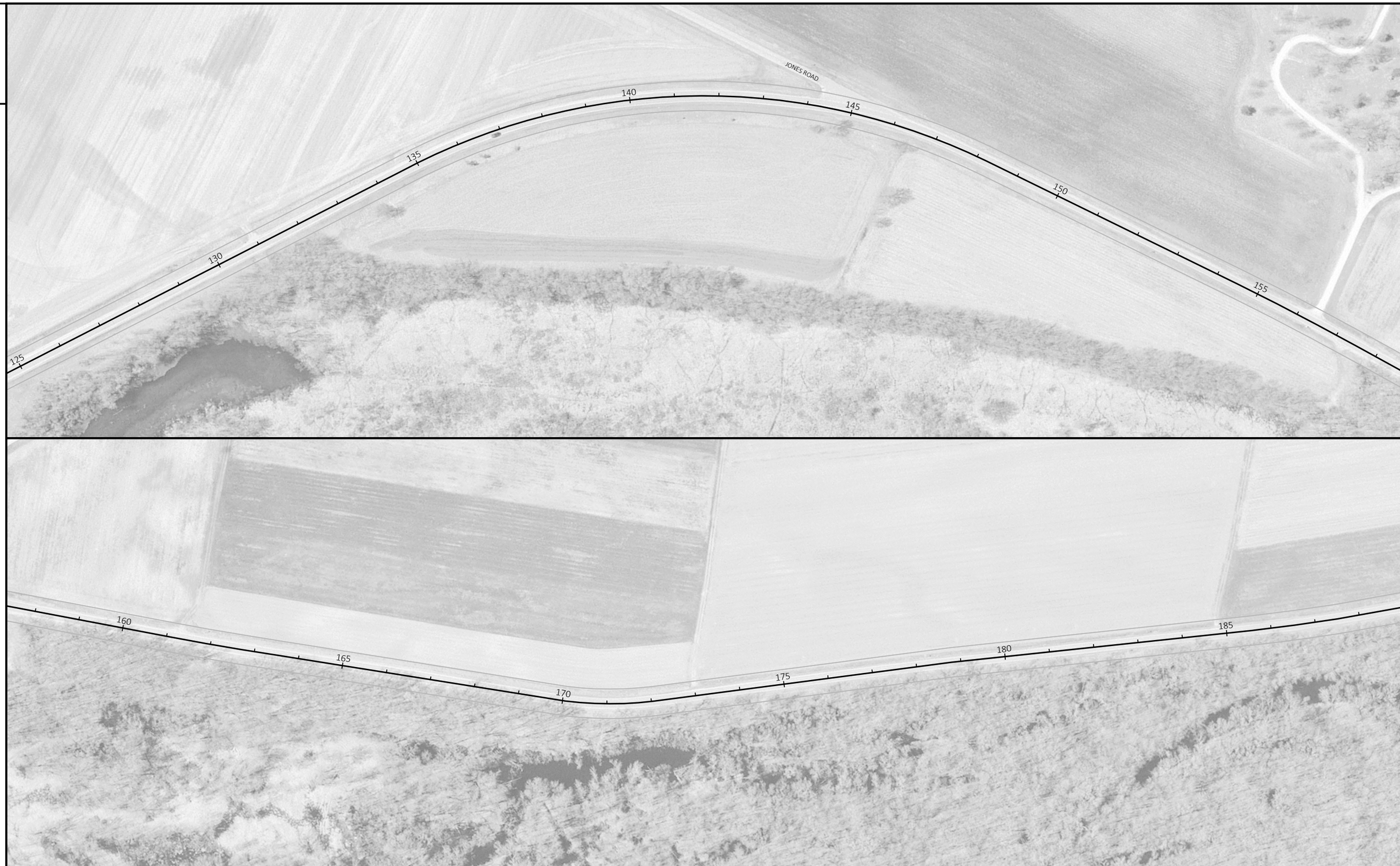
Attachment #3
Typical Sections

2

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E

2

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E



2

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E

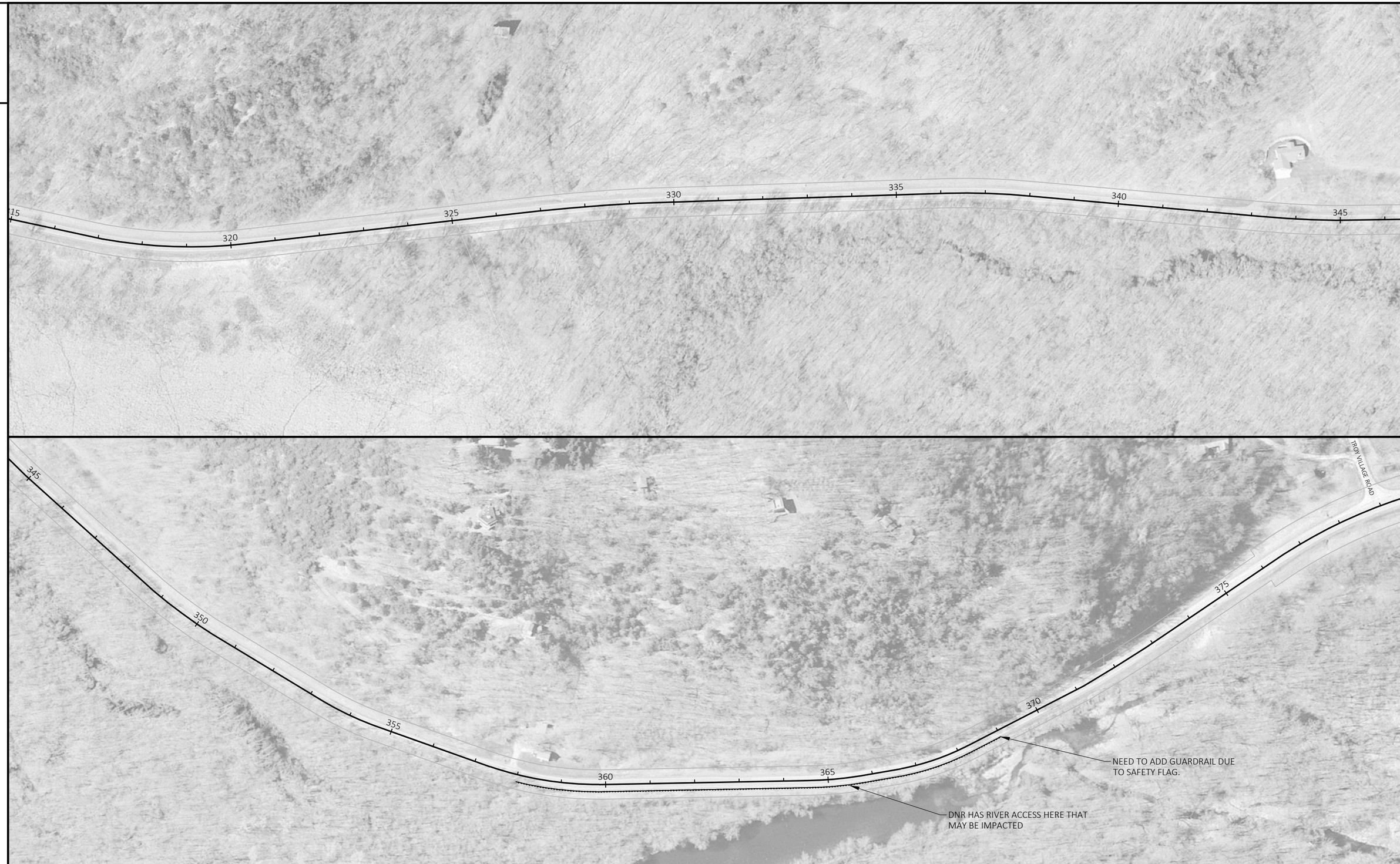
2

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E

2

2

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E



2

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E

FILE NAME : N:\PDS\C3D\56800430\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 06

PLOT DATE : 4/12/2023 8:38:00 AM

PLOT BY : SCHUMAKER, NATHANIEL

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

2

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E

FILE NAME : N:\PDS\C3D\56800430\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 07

PLOT DATE : 4/12/2023 8:30 AM

PLOT BY : SCHUMAKER, NATHANIEL

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44

2

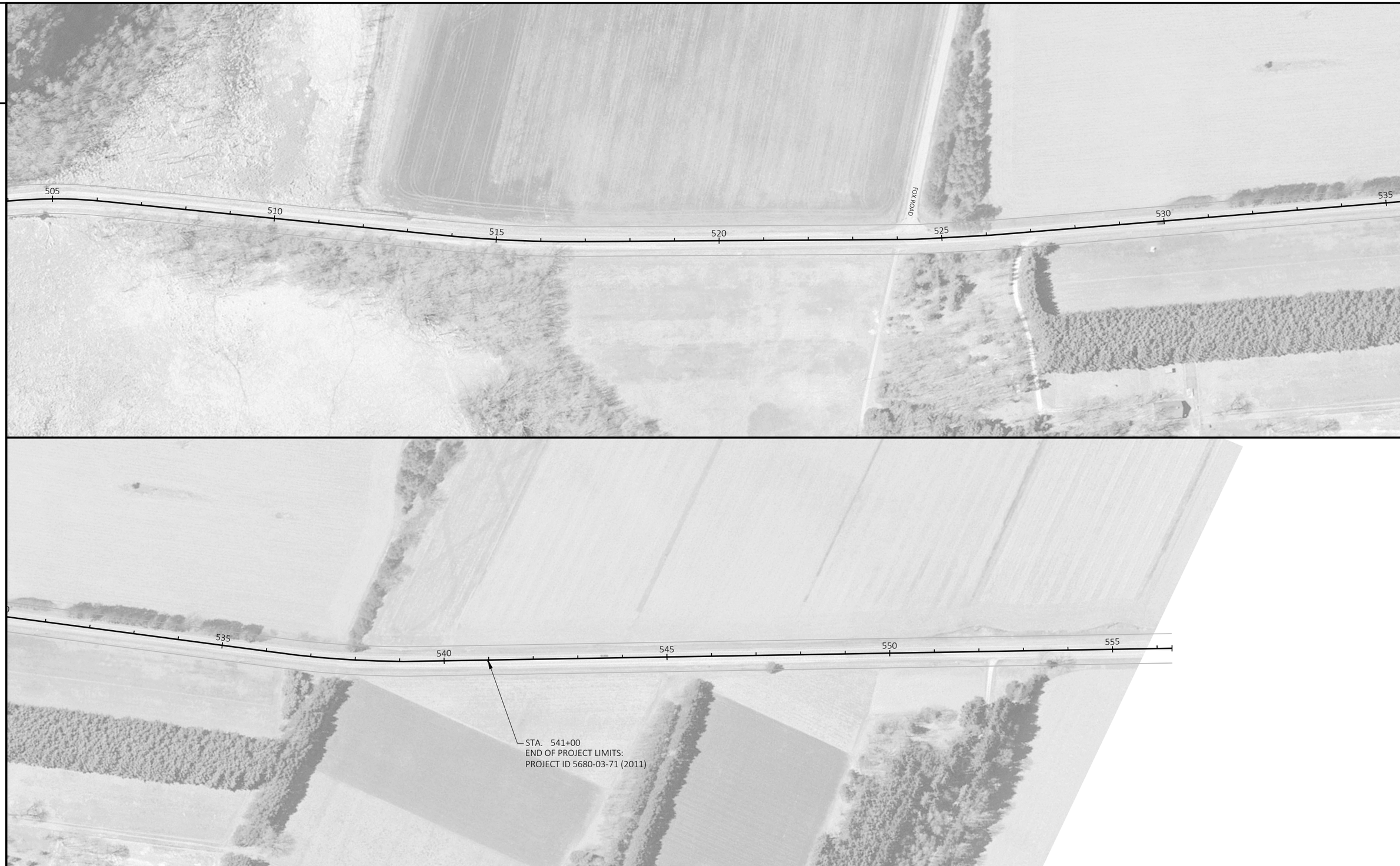
2

PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E

FILE NAME : N:\PDS\C3D\56800430\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 08

PLOT DATE : 4/12/2023 8:00 AM PLOT BY : SCHUMAKER, NATHANIEL PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 44



2

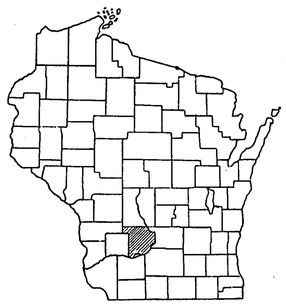
PROJECT NO: 5680-04-60	HWY: STH 60	COUNTY: SAUK	PLAN DETAILS	SHEET	E

Attachment #4
Asbuilt

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
56.2	213.0		11.1	WIS. 4	1	86

R1- 4/4/57

INDEX OF SHEETS



STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

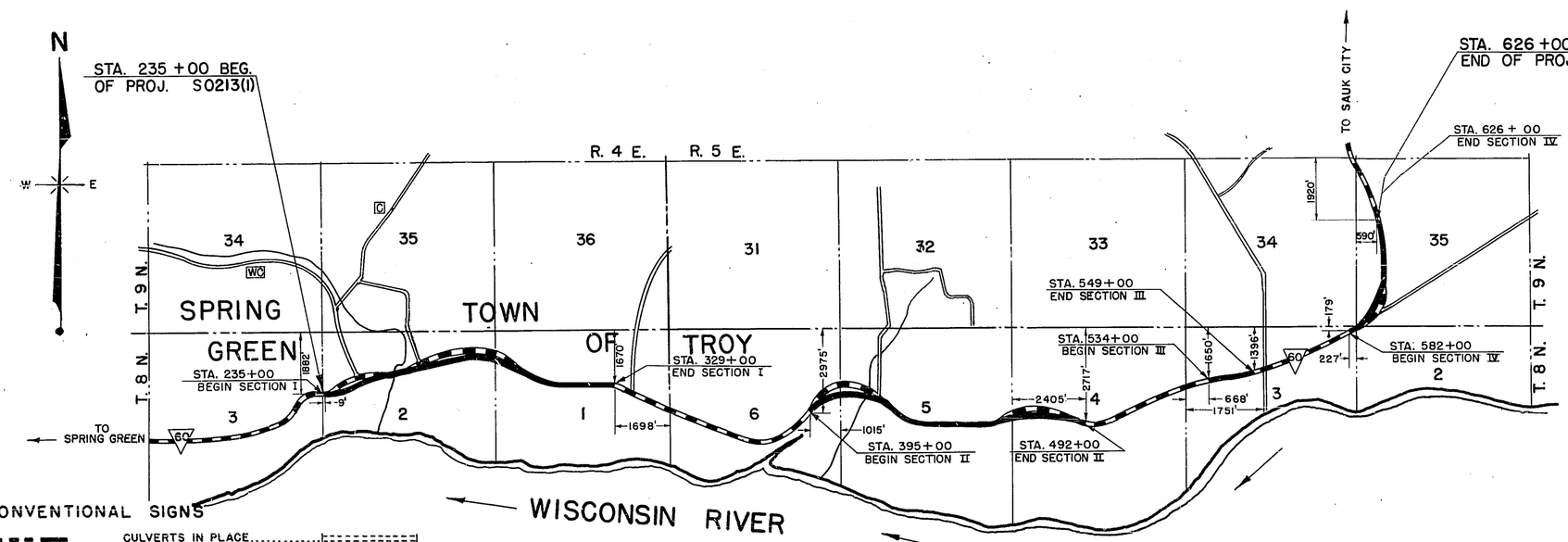
PLAN AND PROFILE OF PROPOSED

U. S. H. 14 – U. S. H. 12 ROAD
S. T. H. 60

SAUK COUNTY

PROJECT S 0213(1)

SCALES { PLAN 1 IN. = 100 FT.
PROFILE HOR. 1IN. = 100 FT. VERT. 1 IN. = 10 FT.
CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.



CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
NEW RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
WIRE FENCE { WOVEN / BARBED
LOT LINE
CORPORATE OR CITY LIMITS
PROPERTY LINE — P.L. + 32.6
TRAVELED WAY OR P.E.
RAILROADS
BASE OR SURVEY LINE — 30

CULVERTS IN PLACE
CULVERTS REQUIRED
DROP INLET
POWER POLE
TELEPHONE OR TELEGRAPH POLE
RIGHT OF WAY MARKERS
REFERENCE STAKE FOR HUBS ONLY — +61.7 / 25.9
MARSH
HEDGE
TREES
GROUND ELEVATION — DATUM LINE — 73.9
GRADE ELEVATION — DATUM LINE — 75.16

LAYOUT

SCALE 0 1/4 1/2 1.0 MILE

TOTAL NET LENGTH OF CENTERLINE	= 4.735	MI.
SECTION I	= 1.780	MI.
SECTION II	= 1.837	MI.
SECTION III	= 0.284	MI.
SECTION IV	= 0.834	MI.

FENNER-BREY ENGINEERING CORP.
MANITOWOC & BEAVER DAM
BY R. E. Fenner
SIGNATURE

STATE HIGHWAY
COMMISSION OF WISCONSIN
MADISON, WISCONSIN

CORRECT:
DATE 3/12/56 J. P. Jones
DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 3/15/56 J. J. Pilt
ENGINEER OF DESIGN

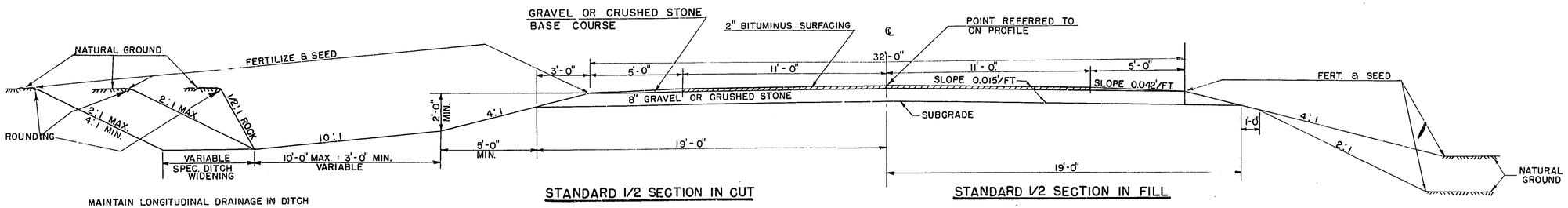
APPROVED:
DATE 3/15/56 E. C. Rettig
STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

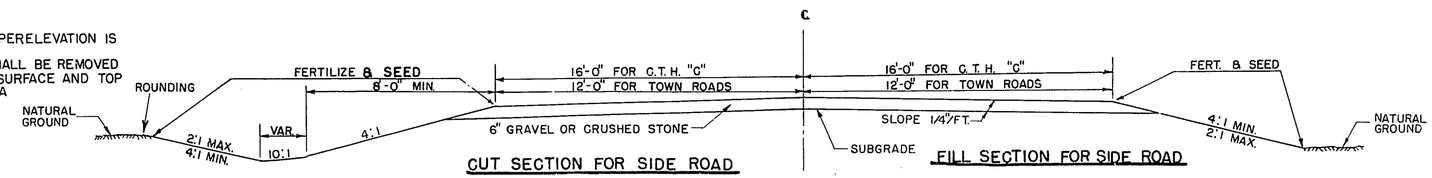
APPROVED: _____ DATE
DISTRICT ENGINEER

S0213 (1)

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
5N	S0213(1)	2	86



NOTE: ON SUPERELEVATED CURVES, SUPERELEVATION IS ROTATED ABOUT CENTERLINE. ON ALL CURVES THE CROWN SHALL BE REMOVED FROM THE PAVEMENT SURFACE. SURFACE AND TOP OF EARTH GRADE TO RESULT IN A STRAIGHT LINE ACROSS FULL WIDTH OF ROADWAY.



FOR ℄ SECTIONS

8" GRAVEL OR CRUSHED STONE BASE COURSE	108.03 C.Y.	PER	STA.	(INCLUDES	25%	FOR COMPACTION)
AGGREGATE FOR 2" ROAD MIX SURFACING	16.90 C.Y.	"	"	("	25%	" ")
AGGREGATE FOR SHOULDERS	4.00 C.Y.	"	"	("	25%	" ")

FOR C.T.H. "C"

6" GRAVEL OR CRUSHED STONE BASE COURSE 78.70 C.Y. PER STA. (INCLUDES 25% FOR COMPACTION)

FOR TOWN ROADS

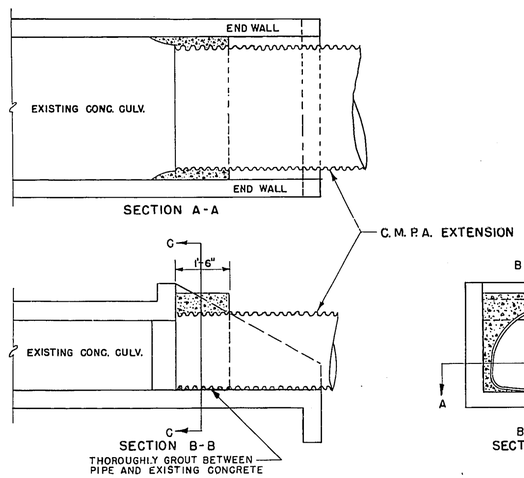
6" GRAVEL OR CRUSHED STONE BASE COURSE 60.19 C.Y. PER STA. (INCLUDES 25% FOR COMPACTION)

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN HERE SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

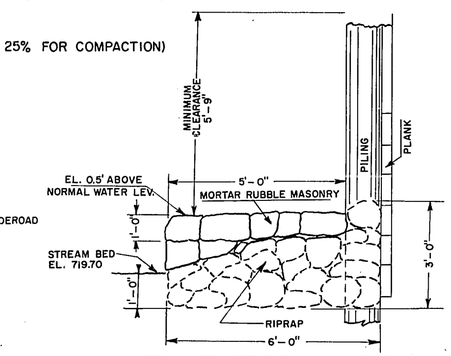
FOUR (4) INCHES OF SALVAGED TOPSOIL TO BE PLACED ON CUT AND FILL SLOPES ——— AS DIRECTED BY THE ENGINEER.

ALL OF THE RIGHT OF WAY, EXCLUSIVE OF THE ROADBED AND AREAS ALREADY COVERED WITH SUITABLE GRASSES, SHALL BE FERTILIZED AND SEEDED. SHRINKAGE VARIABLE. ESTIMATED AT 25% TO 35%.



CONCRETE COLLAR TO BE INCLUDED IN PRICE BID FOR CULVERT PIPE ARCH

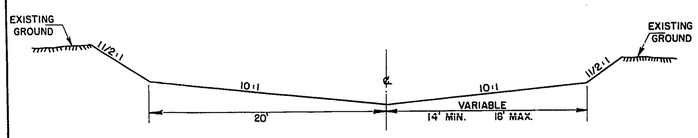
DETAIL OF CONCRETE COLLAR FOR CULVERT EXTENSIONS



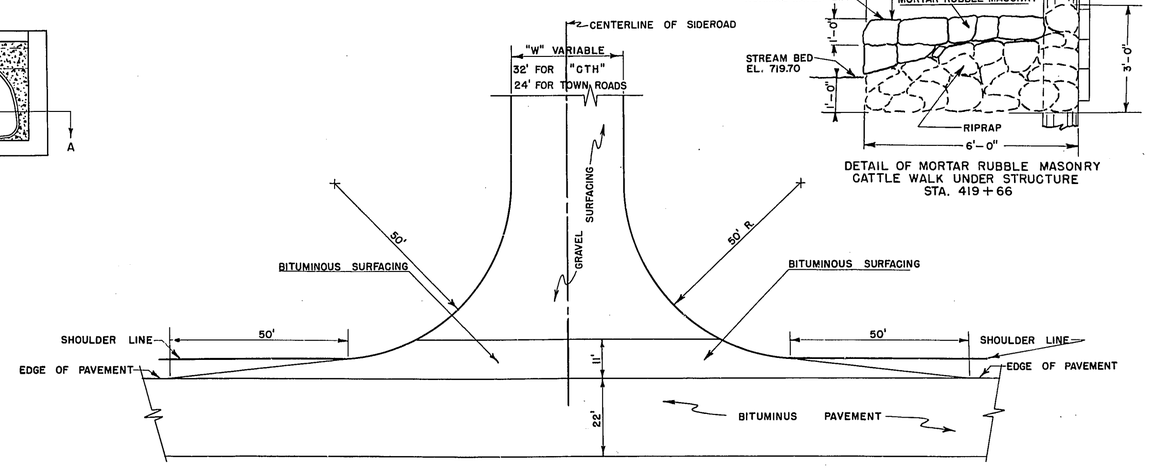
DETAIL OF MORTAR RUBBLE MASONRY CATTLE WALK UNDER STRUCTURE STA. 419+66

APPROVED DETAIL DRAWINGS ARE AS FOLLOWS

DETAIL	PLATE NO.
MARSH EXCAVATION	1-1.1.2
PIPE AND BOX CULVERT - ABUTMENTS	1-2.1.1
PRIV. ENT. & SIDE ROAD APPR.	1-3.1.1
OBLITERATING OLD ROAD	1-4.1.1
TREE PRESERVATION DETAILS	6-1.1.1
M.R.M., RIPRAP, OR MORTAR RIPRAP	6-2.4.1
RIPRAP AT S.R. CULV'TS & RIPRAP OR SOD AT P.E. CULV'TS	6-2.5.1
REIN. CONC. CULV'T. PIPE CATTLE PASS, 72"	6-6.1.1
MARKER POSTS	7-1.3.2
STEEL PLATE BEAM GUARD CLASS "B"	7-2.4.1
CONSTRUCTION BARRICADE	7-4.1.2
CORR. METAL PIPE ARCH	6-5.1.4
SOD BACKSLOPE FLUME	8-2.1.1



TYPICAL SECTION FOR CHANNEL CHANGE
259 CC + 20 TO 265 CC + 20



PLAN FOR SIDE ROAD WITH GRAVEL SURFACING

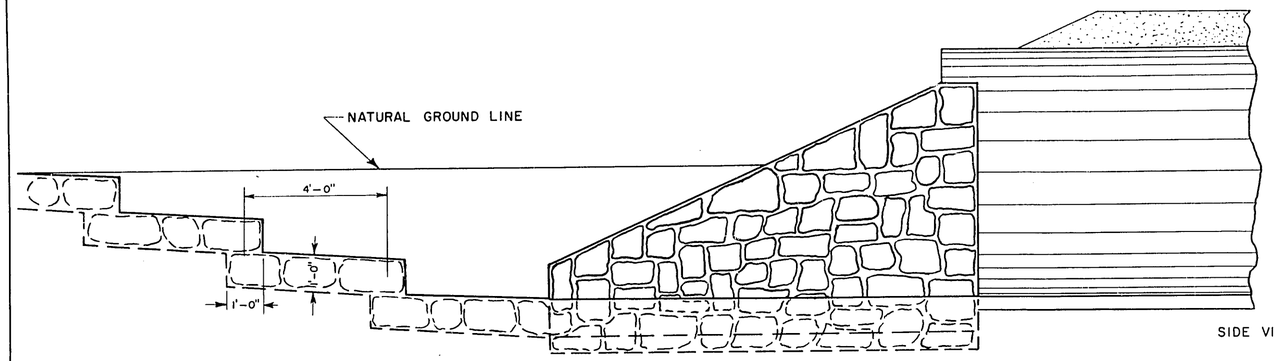
DETAIL OF SURFACING FOR SIDE ROAD APPROACHES

TYPICAL CROSS SECTION FOR

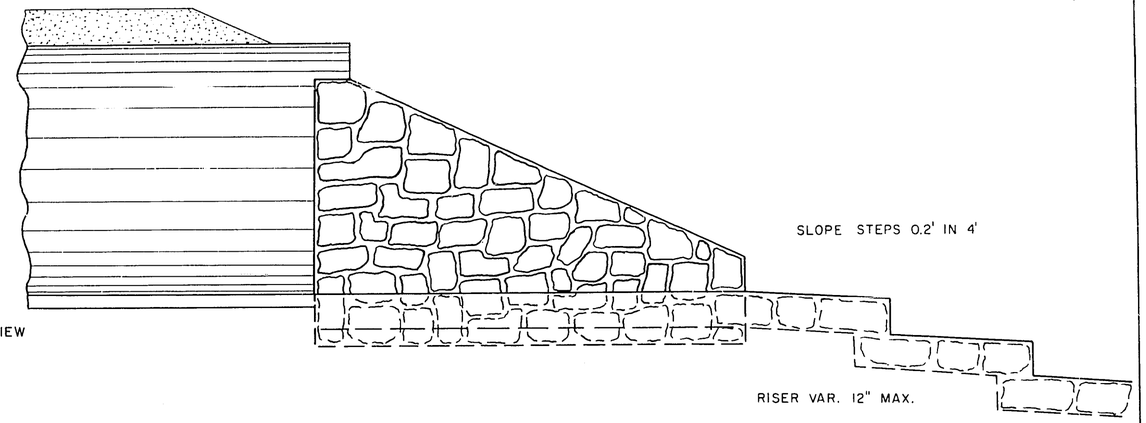
32 FT. ROADBED 22 FT. BITUMINUS PAV'T

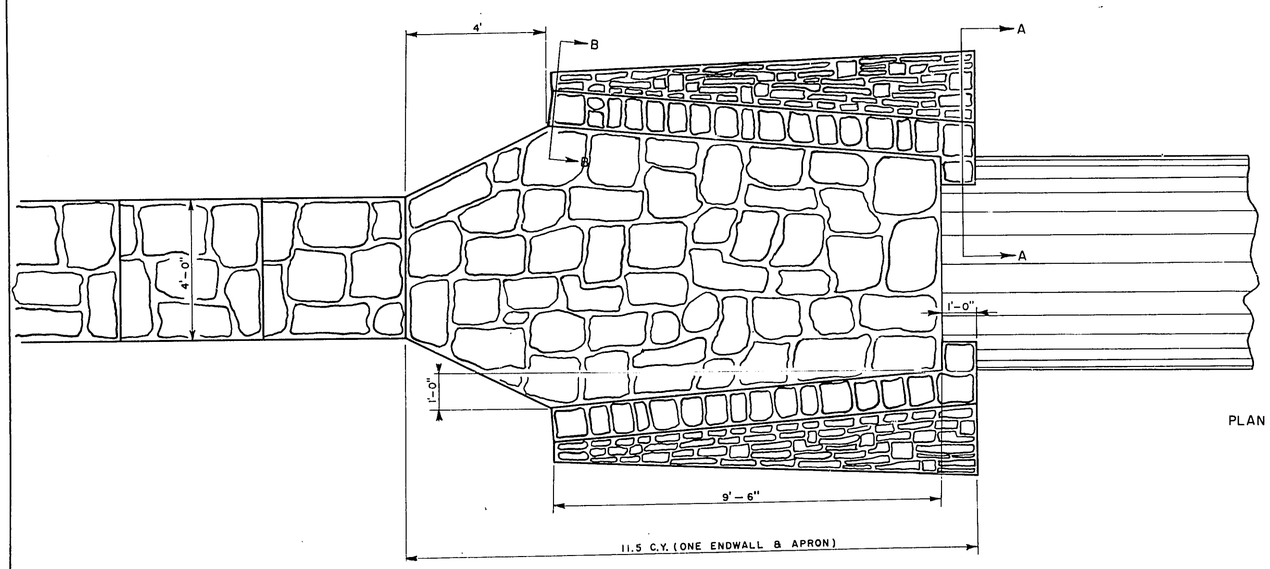
AND

SIDE ROAD APPROACHES & DETAILS

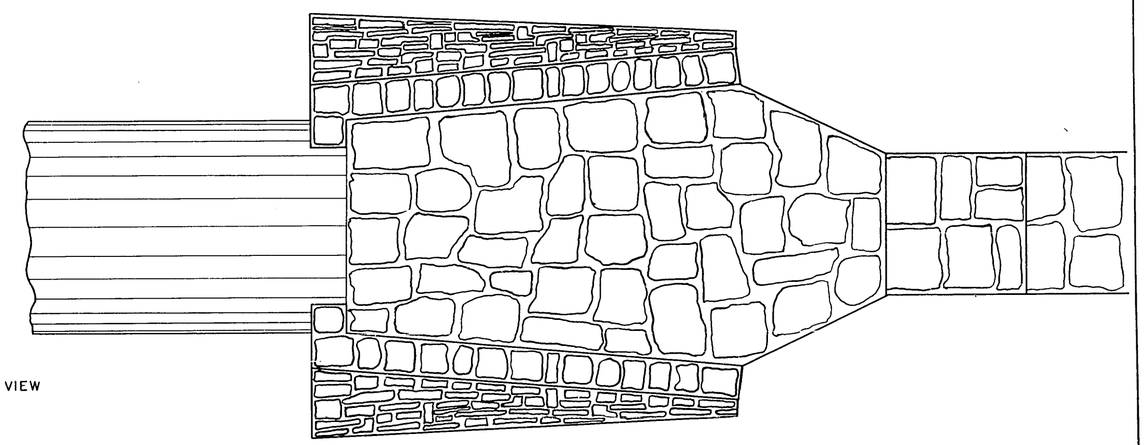


SIDE VIEW

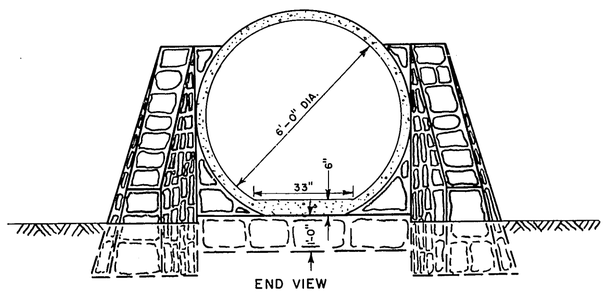




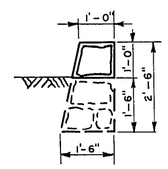
PLAN VIEW



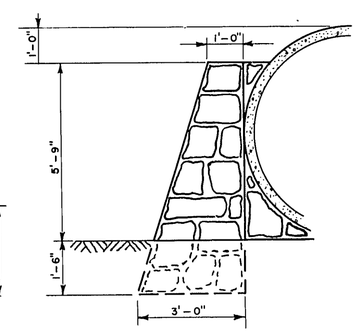
NOTE: WHEN CATTLE PASS IS ALSO USED AS A DRAINAGE STRUCTURE THE MORTAR RUBBLE MASONRY APRON SHOULD BE FLUSH WITH THE FLOW LINE OF THE PIPE ON INLET END ONLY.



END VIEW



SECTION B-B

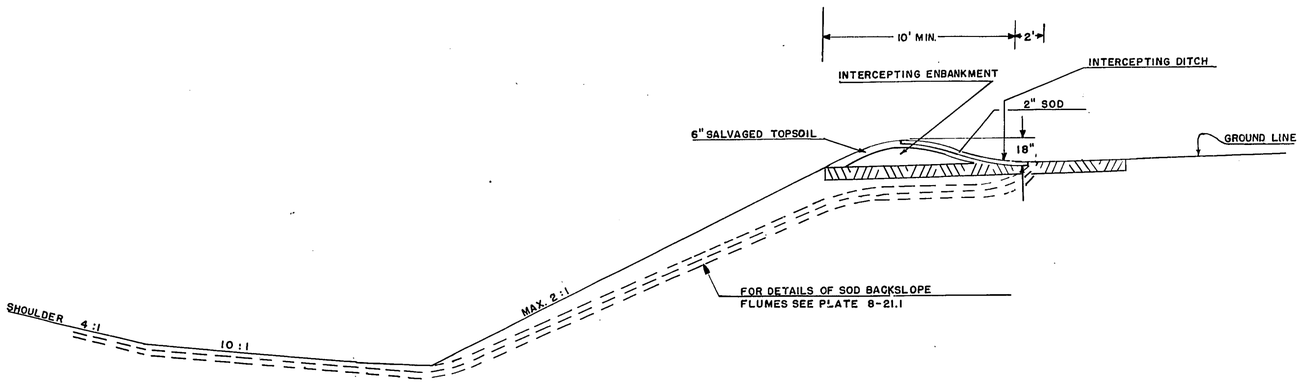


SECTION A-A

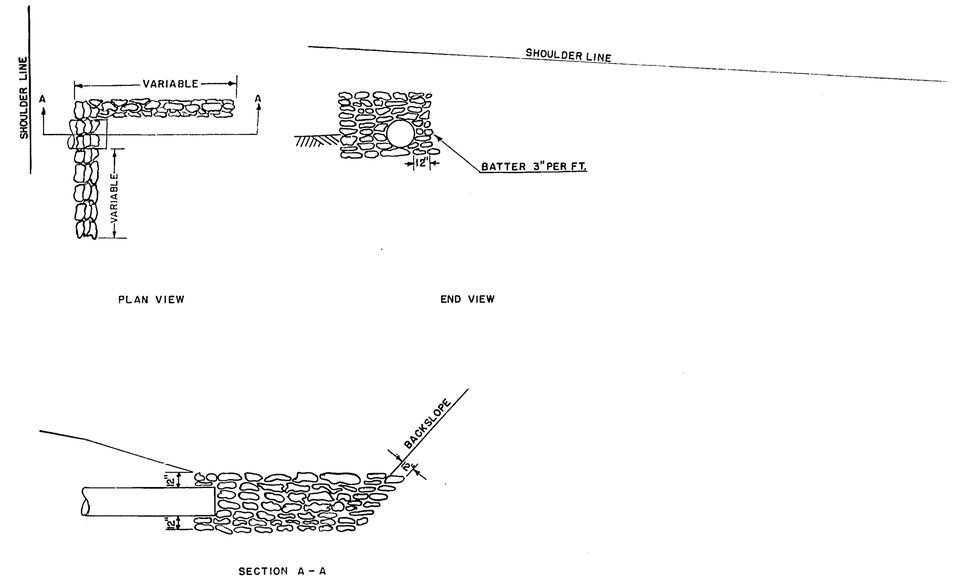
DETAIL OF MORTAR RUBBLE MASONRY END WALLS AND CATTLE WALKS FOR CATTLE PASSES

DO NOT SCALE

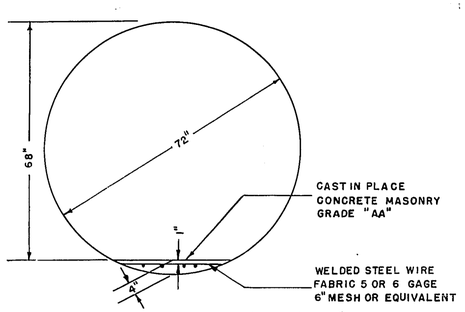
PROJECT	SHEET NUMBER	TOTAL SHEETS
S0213(1)	2.2	86



DETAIL OF INTERCEPTING ENBANKMENT



DETAIL OF BREAKER WALL



CORRUGATED METAL CULVERT PIPE, 72"

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTIONS 2411 & 4116, AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE MASONRY AND WIRE FABRIC TO BE INCLUDED IN THE BID PRICE FOR CULVERT PIPE.

DETAIL OF WALKWAY FOR 72" C.M. CULVERT PIPE

TYPICAL CROSS SECTION
FOR

MISCELLANEOUS DETAILS

DO NOT SCALE

DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

PROJECT	SHEET NUMBER	TOTAL SHEETS
S 0213(1)	3A	86

CLEARING

SEC NO	STATION		STA.
I	235+00 - 242+00		7
"	243+00 - 246+00		3
"	247+00 - 250+00		3
"	263+00 - 266+00		3
"	296+00 - 302+00		6
"	317+00 - 319+00		2
II	395+00 - 401+00		6
"	411+00 - 415+00		4
"	425+00 - 428+00		3
"	430+00 - 433+00		3
"	435+00 - 440+00		5
"	445+00 - 446+00		1
"	448+00 - 473+00		25
"	482+00 - 485+00		3
IV	591+00 - 593+00		2
"	596+00 - 598+00		2
			IN. DIAM.
I	259+00 - 260+00		105
"	267A+25	S.R.	21
"	281+79		24
"	290+53		24
"	306+53		30
"	310+41		24
II	418+00 - 420+00		60
IV	588+04		28
"	619+07		36
"	619+72		12
"	625+56		21

GRUBBING

SEC NO	STATION		STA.
I	235+00 - 242+00		7
"	243+00 - 246+00		3
"	247+00 - 250+00		3
"	296+00 - 302+00		6
"	317+00 - 319+00		2
II	395+00 - 399+00		4
"	411+00 - 415+00		4
"	425+00 - 428+00		3
"	430+00 - 433+00		3
"	445+00 - 446+00		1
"	448+00 - 473+00		25
"	482+00 - 485+00		3
IV	591+00 - 593+00		2
"	596+00 - 598+00		2
			IN. DIAM.
I	259+00 - 260+00		105
"	267A+25	S.R.	21
"	281+79		24
"	290+53		24
II	418+00 - 420+00		60
IV	588+04		28
"	619+72		12
"	625+56		21

FINISHING ROADWAY

SEC NO	STATION	STA.
I	235+00 - 329+00	93.6
"	245A+20 - 249A+00	3.8
"	267A+00 - 269A+00	2.0
II	395+00 - 492+00	96.8
"	423A+20 - 426A+00	2.8
III	534+00 - 549+00	15.0
IV	582+00 - 626+00	44.0
"	592A+00 - 594A+00	2.0

~~SALVAGED TOPSOIL~~

~~SEC NO~~	~~STATION~~	~~S.Y.~~
~~I~~	~~235+00 - 239+00~~	~~356~~
~~"~~	~~245A+75 - 249A+00~~	~~542~~
~~"~~	~~245+00 - 259+50~~	~~9987~~
~~"~~	~~265+90 - 291+00~~	~~13385~~
~~"~~	~~267A+00 - 269A+00~~	~~267~~
~~"~~	~~294+00 - 319+00~~	~~8333~~
~~II~~	~~359+00 - 401+00~~	~~666~~
~~"~~	~~403+00 - 406+00~~	~~466~~
~~"~~	~~409+00 - 416+00~~	~~3966~~
~~"~~	~~423A+20 - 426A+00~~	~~406~~
~~"~~	~~420+00 - 443+00~~	~~8944~~
~~"~~	~~454+00 - 463+00~~	~~1000~~
~~"~~	~~477+00 - 482+00~~	~~722~~
~~IV~~	~~585+00 - 589+00~~	~~220~~
~~"~~	~~592A+00 - 594A+00~~	~~443~~
~~"~~	~~591+00 - 598+00~~	~~777~~
~~"~~	~~612+00 - 626+00~~	~~3110~~

MARKER POSTS SHOULDER DELINEATION

SEC NO	STATION	SIDE	NO
I	239+50 - 247+50	R	6
"	240+50 - 244+50	L	9
"	250+00 - 253+00	R	7
"	259+50 - 265+75	R	7
"	259+50 - 265+75	L	7
"	267A S.R.		4
"	268+50 - 276+50	R	9
"	290+50 - 296+00	R	6
"	308+00 - 312+00	R	9
II	395+00 - 402+00	R	8
"	401+00 - 403+00	L	5
"	414+50 - 418+00	R	8
"	426+00 - 428+00	R	5
"	423A S.R.		4
"	440+50 - 458+50	R	19
"	442+50 - 454+00	L	12
"	462+00 - 469+00	R	8
"	463+00 - 473+00	L	11
IV	592A S.R.		4
	590 S.R.	R	4

STEEL PLATE BEAM GUARD CLASS "B"

SEC. NO.	STATION	SIDE	L.F.
I	264+38.5 - 264+80	R&L	83
I	265+20 - 265+61.5	R&L	83
II	419+09.5 - 419+51	R&L	83
II	419+81 - 420+22.5	R&L	83

INTERCEPTING EMBANKMENT

SEC. NO.	STATION	SIDE	L. F.
II	410+00 - 415+00	L	500
II	424+00 - 440+00	L	1600

SODDING

SEC. NO.	STATION	LOC.	S.Y.
II	410+00 - 415+00	INT. EMB.	580
II	410+00	FLUME	120
II	415+00	FLUME	100
II	424+00 - 440+00	INT. EMB.	1900
II	426+00	FLUME	100
II	435+00	FLUME	100
II	438+00	FLUME	100

PIPE CULVERTS

SEC NO	STATION	DIAMETER INCHES	LENGTH LIN. FT.	TYPE	℄ REV	PT. ACCP. I	PT. ACCP. II	MIN. HAP	MAT. CL.
I	236+00	24	60	C.P.	✓			2.0	2
	241+00	36	80	C.P.	✓			3.4	2
	246+40	48	72	C.P.	✓			5.6	2
	273+50	36	78	C.P.	✓			3.4	2
	283+39	72	50	C.P.	✓			*27.9	2
	291+50	30"	76	C.P.	✓			2.6	2
	304+28	72	50	C.P.	✓			*27.9	2
	309+40	30"	78	C.P.	✓			2.6	2
	318+66	72	48	C.P.	✓			*26.4	2
	323+32	65"X40"	60	CMPA	✓			5.0	2
	4 P.E.S	18"	120	C.P.		✓		16.0	
II	401+00	24	84	C.P.	✓			2.0	2
	407+00	36	68	C.P.	✓			3.4	2
	435+00	36	68	C.P.	✓			3.4	2
	445+00	36	60	C.P.	✓			3.4	2
	451+00	36	58	C.P.	✓			3.4	2
	465+00	36	56	C.P.	✓			3.4	2
	471+00	58"X36"	56	CMPA	✓			4.2	2
	477+00	43"X27"	56	CMPA	✓			3.4	2
	483+10	43"X27"	20	CMPA	✓			3.4	2
	486+97	43"X27"	20	CMPA	✓			3.4	2
	3 P.E.S	18"	90	C.P.		✓	✓	9.0	
	403+50	72	58	C.P.	✓			*27.9	2
	474+50	43"X27"	56	C.M.P.A.	✓			3.4	2
	424+40	24	68	C.P.	✓			2.0	2
III	535+26	36"X22"	108	CMPA	✓			4.8	2
	543+41	43"X27"	108	CMPA	✓			6.0	2
IV	600+00	36"	66	C.P.	✓			3.4	2
	589+70	36"X22"	80	CMPA	✓			4.8	2
	618+40	72	52	C.P.	✓			*26.4	2
	3 P.E.S	18"	90	C.P.		✓		9.0	
	593+00	18"	40	C.P.			SR	3.0	2

OBLITERATING OLD ROAD

SEC. NO.	STATION	SIDE	STA.
I	239+50 - 244+50	LT.	5.0
"	265+00 - 267+00	RT.	2.0
II	400+00 - 410+00	LT.	10.0
"	440+50 - 454+50	LT.	14.0
"	462+50 - 478+00	LT.	17.0
IV	594+50 - 597+50	RT.	4.0

RIP RAP

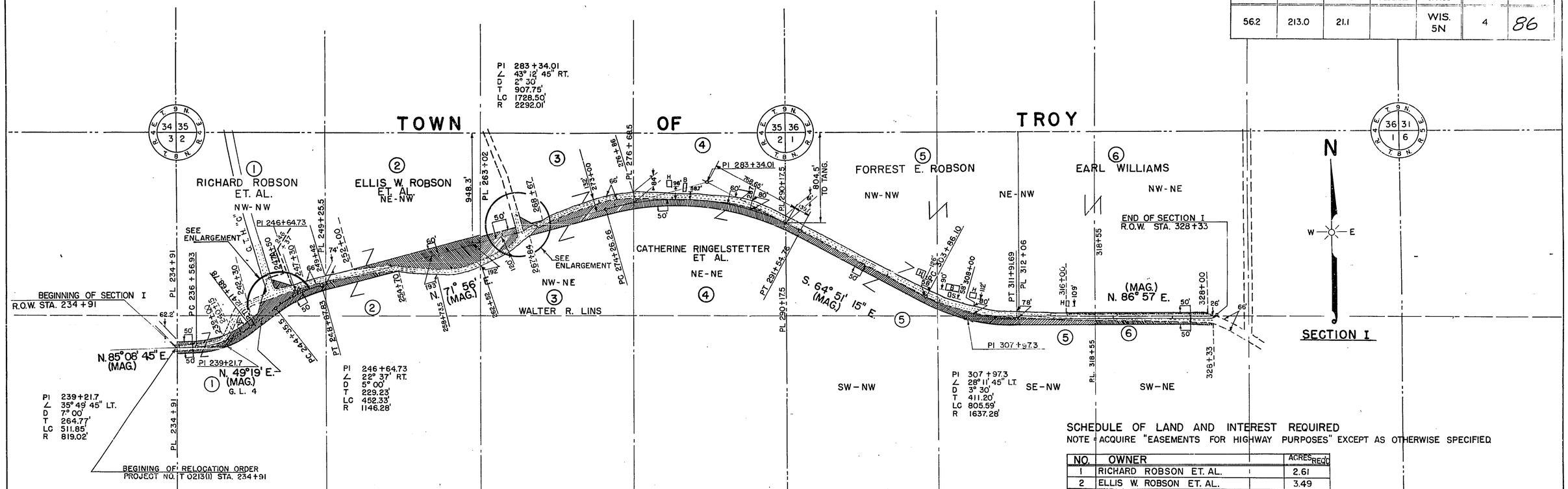
IV**	615+92	TREE PRESERVATION	3.0
II	401+00	BREAKER WALL	1.6
II	424+40	BREAKER WALL	2.0
		MORTAR RUBBLE MASONRY *	
II	419+66	CATTLE WALK UNDER STRUCT.	13.5

* MORTAR RUBBLE MASONRY

** RIP RAP FOR TREE PRESERVATION

S 0213(1)

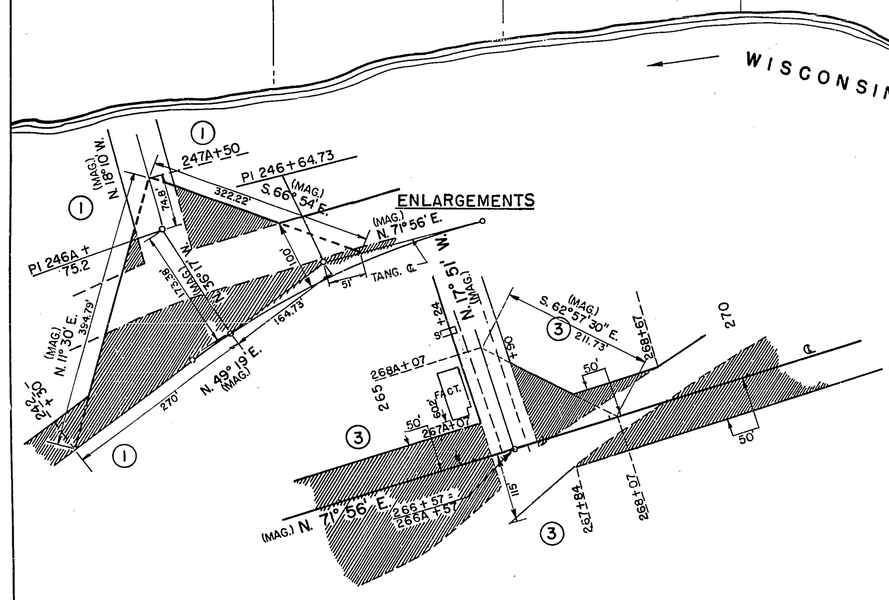
COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
56.2	213.0	21.1		WIS. 5N	4	86

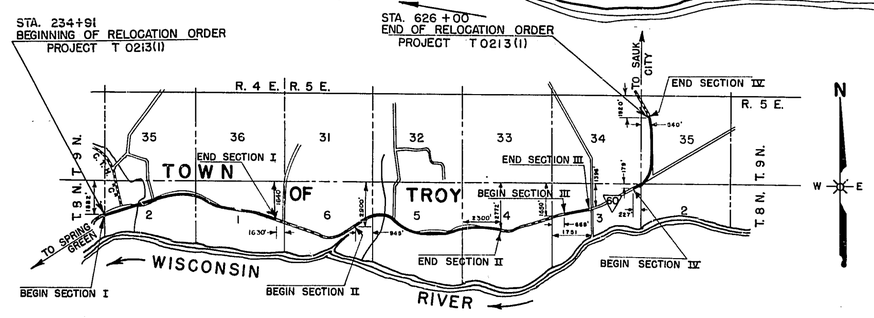


SCHEDULE OF LAND AND INTEREST REQUIRED

NOTE - ACQUIRE "EASEMENTS FOR HIGHWAY PURPOSES" EXCEPT AS OTHERWISE SPECIFIED

NO.	OWNER	ACRES REQ'D
1	RICHARD ROBSON ET. AL.	2.61
2	ELLIS W. ROBSON ET. AL.	3.49
3	WALTER R. LINS	2.89
4	CATHERINE RINGELSTETTER ET. AL.	1.52
5	FORREST E. ROBSON	2.96
6	EARL WILLIAMS	0.81





LOCATION SKETCH

ONE MILE

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT T 0213(1)

U.S.H. 14 – U.S.H 12 ROAD

S.T.H. 60 SAUK COUNTY

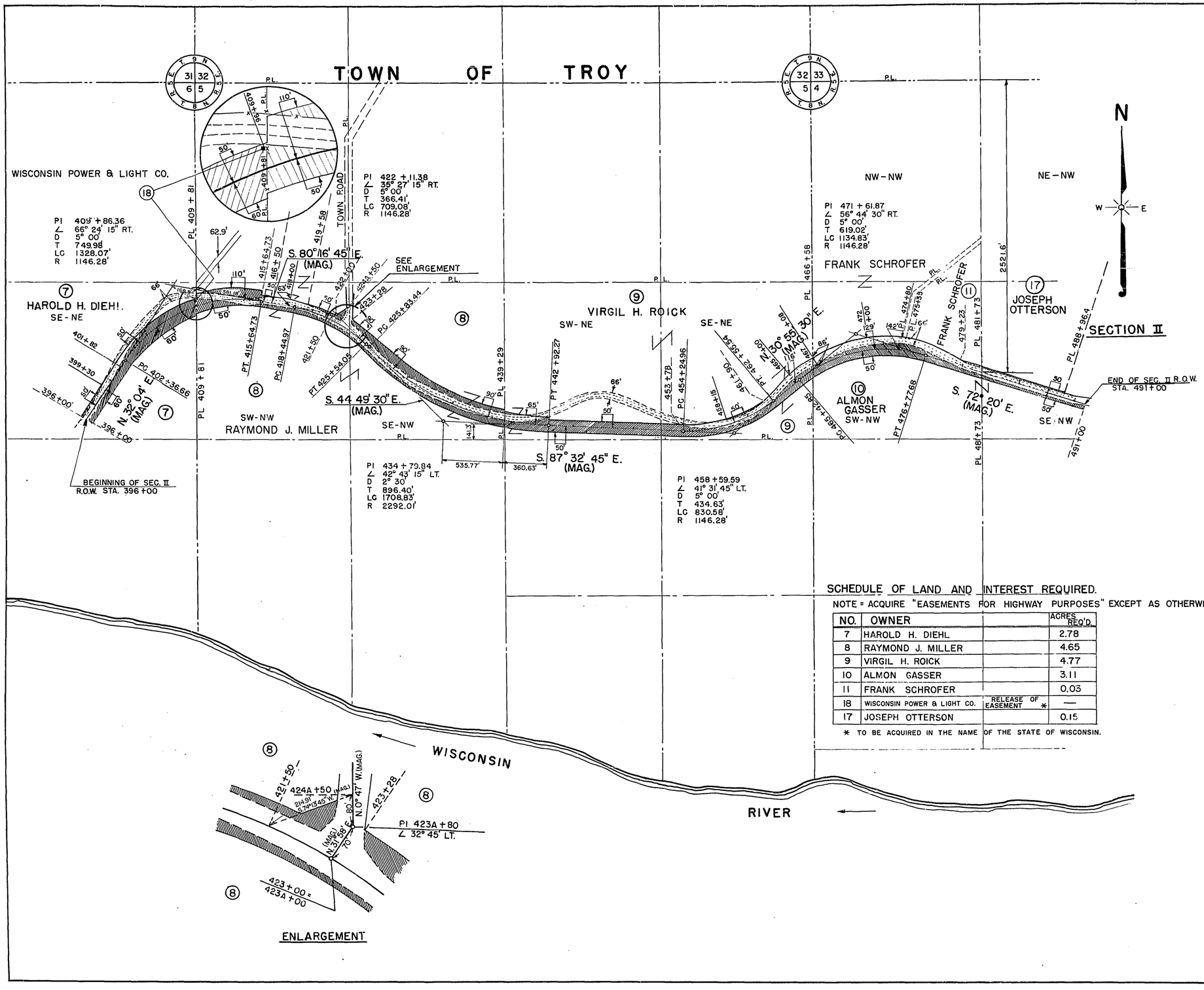
SCALE 0 200' 400' 800' FEET

LENGTH = 4.629 MILES

DATED JUNE 8, 1956 APRIL 24, 1956 NOV. 18, 1955

S 0213(1)

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
56.2	213.0	21.1		WIS. 5N	41	86



SCHEDULE OF LAND AND INTEREST REQUIRED.

NOTE = ACQUIRE "EASEMENTS FOR HIGHWAY PURPOSES" EXCEPT AS OTHERWISE SPECIFIED.

NO.	OWNER		ACRES REQ'D.
7	HAROLD H. DIEHL		2.78
8	RAYMOND J. MILLER		4.65
9	VIRGIL H. ROICK		4.77
10	ALMON GASSER		3.11
11	FRANK SCHROFER		0.03
18	WISCONSIN POWER & LIGHT CO.	RELEASE OF EASEMENT *	—
17	JOSEPH OTTERSON		0.15

* TO BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN.

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT T 0213(1)

U. S. H. 14 – U. S. H. 12 ROAD

S.T.H. 60 SAUK COUNTY

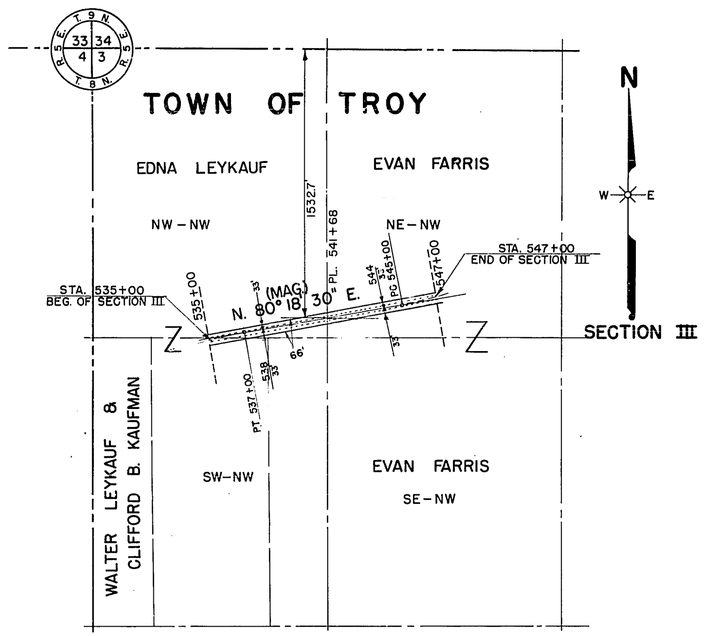
SCALE 0 200' 400' 800' FEET

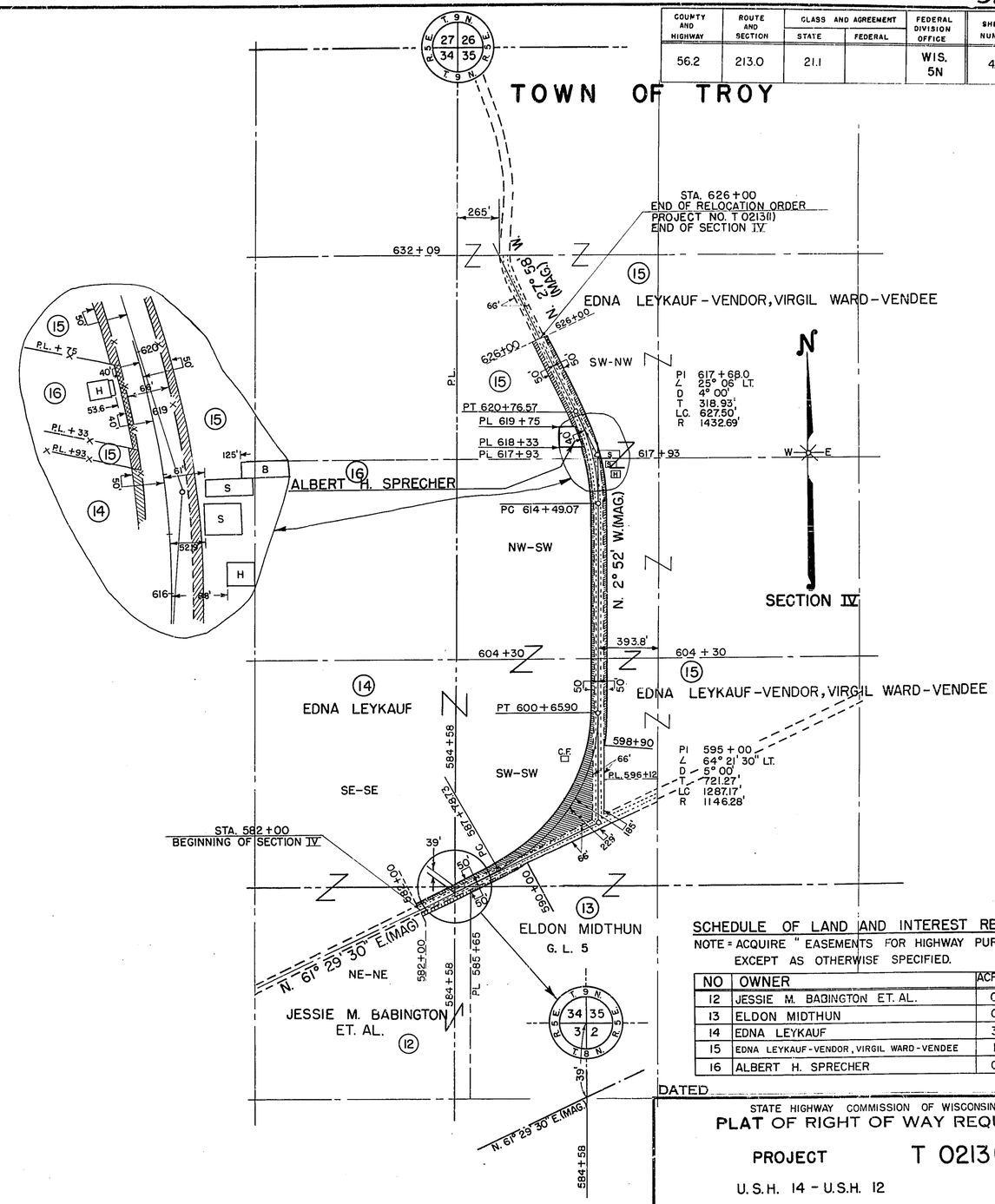
LENGTH = 4.629 MILES

DATED JUNE 8, 1956 APRIL 24, 1956 NOV. 18, 1955

S0213(1)

COUNTY AND HIGHWAY	ROUTE AND SECTION	GLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
56.2	213.0	21.1		WIS. 5N	4.2	86





SCHEDULE OF LAND AND INTEREST REQUIRED.

NOTE = ACQUIRE " EASEMENTS FOR HIGHWAY PURPOSES" EXCEPT AS OTHERWISE SPECIFIED.

NO	OWNER	ACRES REQ'D
12	JESSIE M. BABINGTON ET. AL.	0.14
13	ELDON MIDTHUN	0.17
14	EDNA LEYKAUF	3.30
15	EDNA LEYKAUF - VENDOR, VIRGIL WARD - VENDEE	1.38
16	ALBERT H. SPRECHER	0.04

DATED

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT T 0213(1)

U.S.H. 14 - U.S.H. 12

S.T.H. 60 SAUK COUNTY

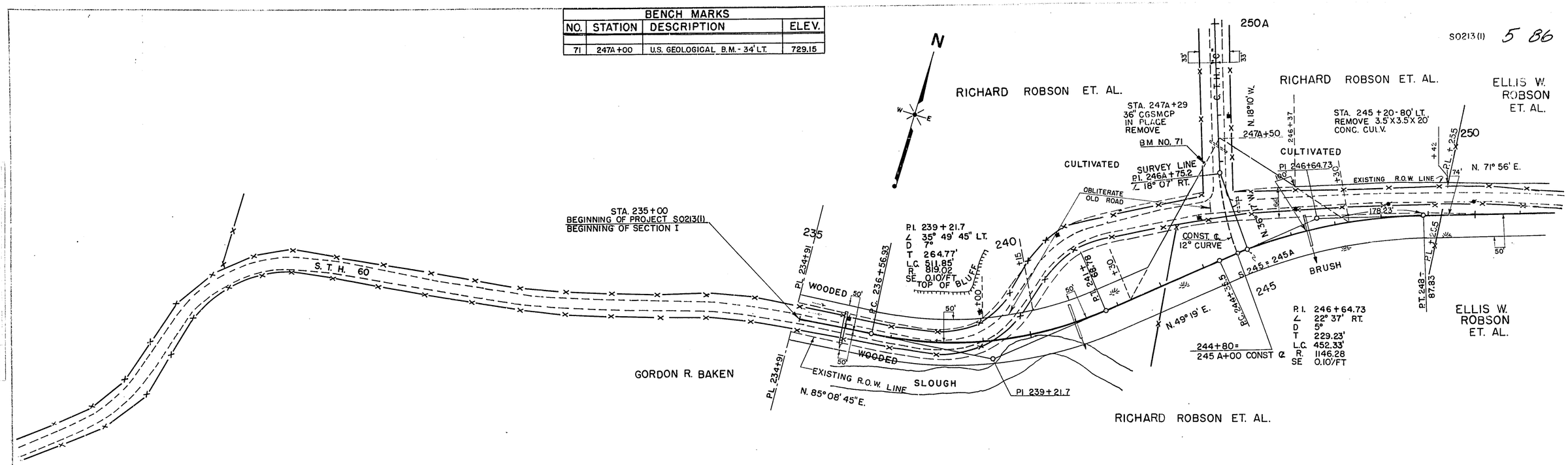
SCALE 0' 200' 400' 800' FEET

LENGTH 4.629 MILES

DATED JUNE 8, 1956 APRIL 24, 1956 NOV. 18, 1955

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
71	247A+00	U.S. GEOLOGICAL B.M. - 34' LT.	729.15

S0213(1) 5 86



LEGEND

UNC. EX. = UNCLASSIFIED EXCAVATION
F. = FILL
SHRINKAGE = 25% TO 35%

CP = CULVERT PIPE
C.M.P.A. = CORRUGATED METAL PIPE ARCH
L.H.F. = LEFT HAND FORWARD
R.H.F. = RIGHT HAND FORWARD

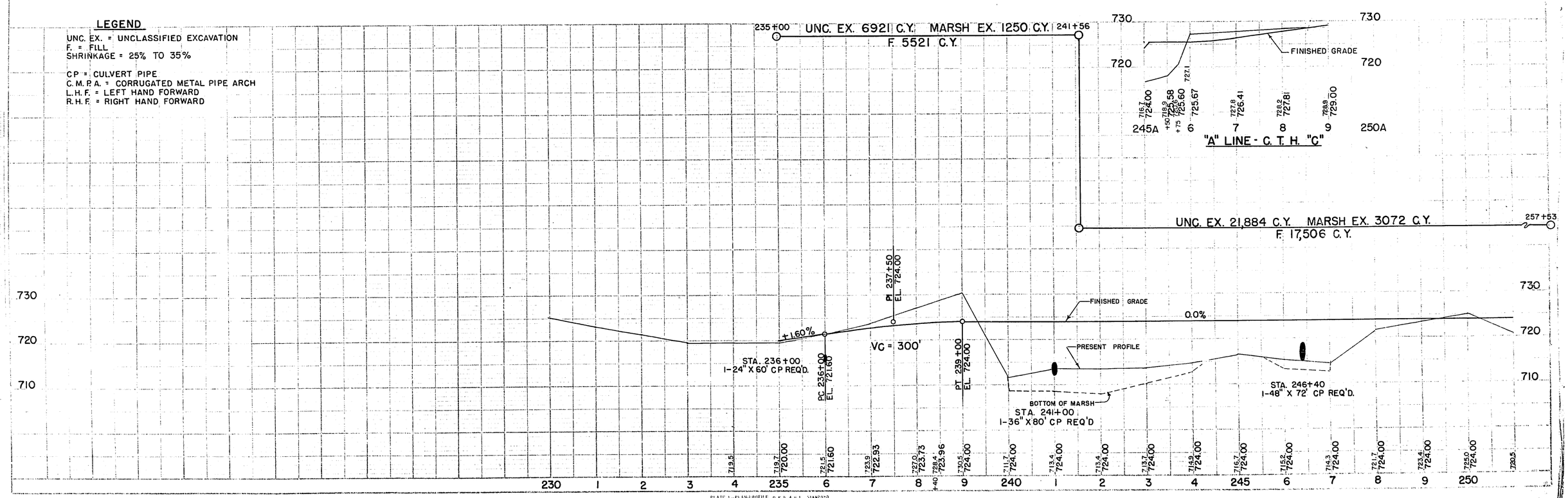
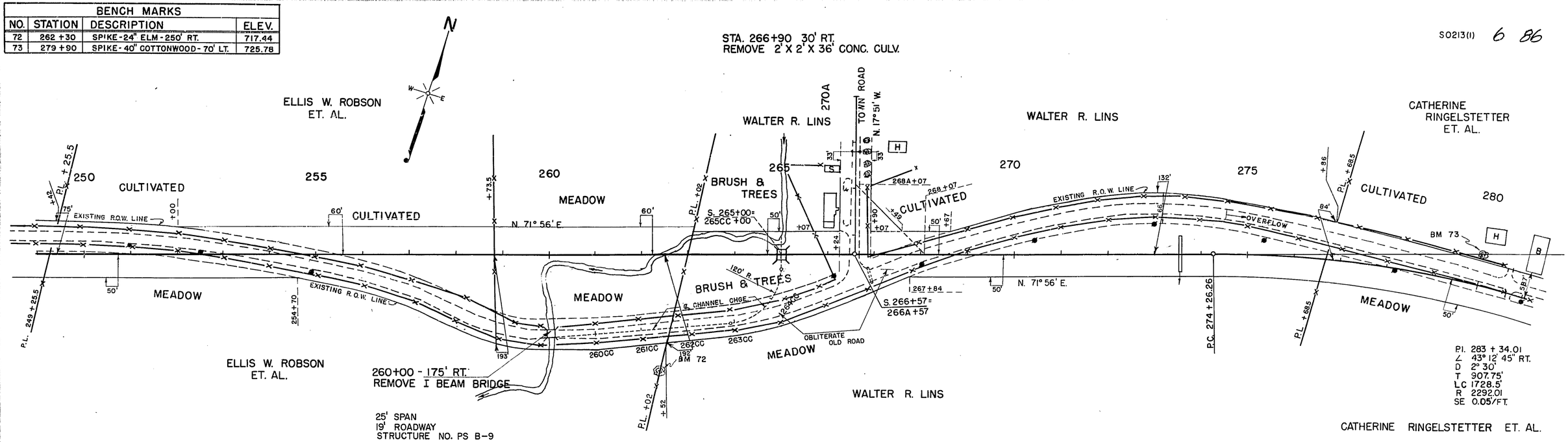
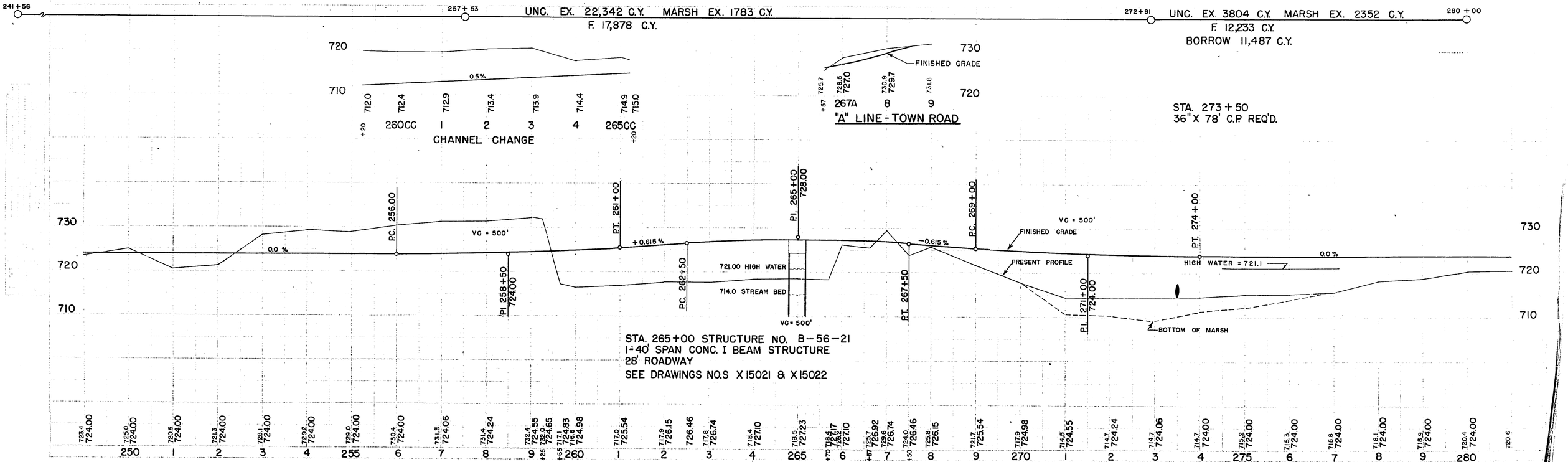


PLATE 1—PLAN-PROFILE G.P.H. & H.T. STANDARD
THE FREDERICK POST CO. CHICAGO

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
72	262 + 30	SPIKE-24" ELM-250' RT.	717.44
73	279 + 90	SPIKE-40" COTTONWOOD-70' LT.	725.78

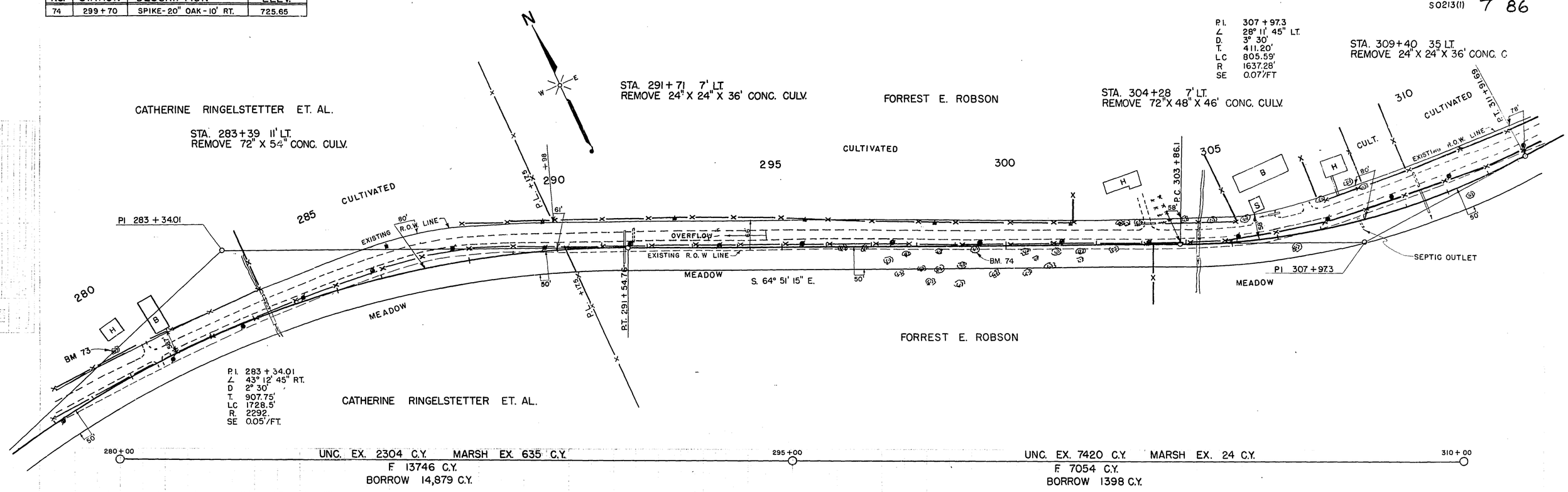
S0213(1) 6 86





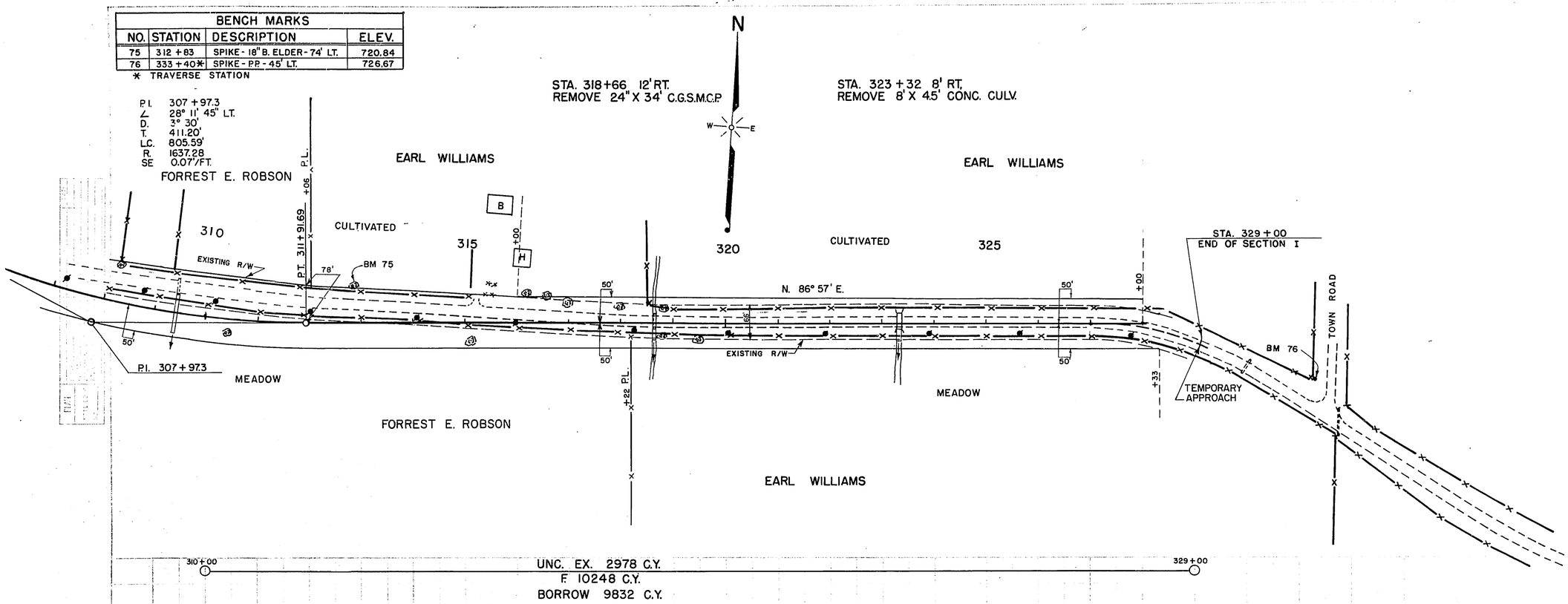
BENCH MARK			
NO.	STATION	DESCRIPTION	ELEV.
74	299 + 70	SPIKE-20" OAK-10' RT.	725.65

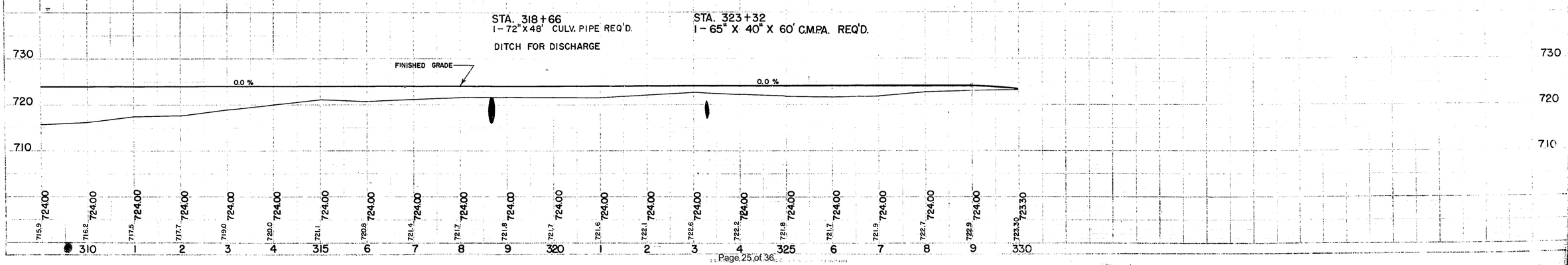
S0213(1) 7 86



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
75	312 + 83	SPIKE - 18" B. ELDER - 74' LT.	720.84
76	333 + 40*	SPIKE - PP. - 45' LT.	726.67

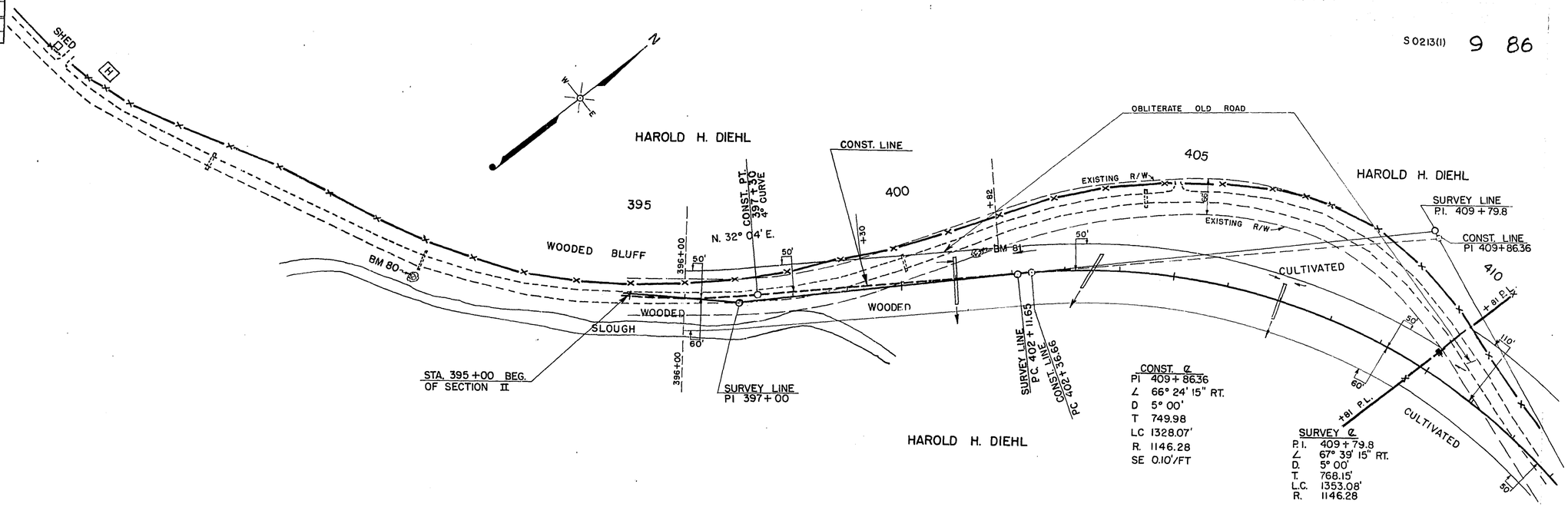
* TRAVERSE STATION



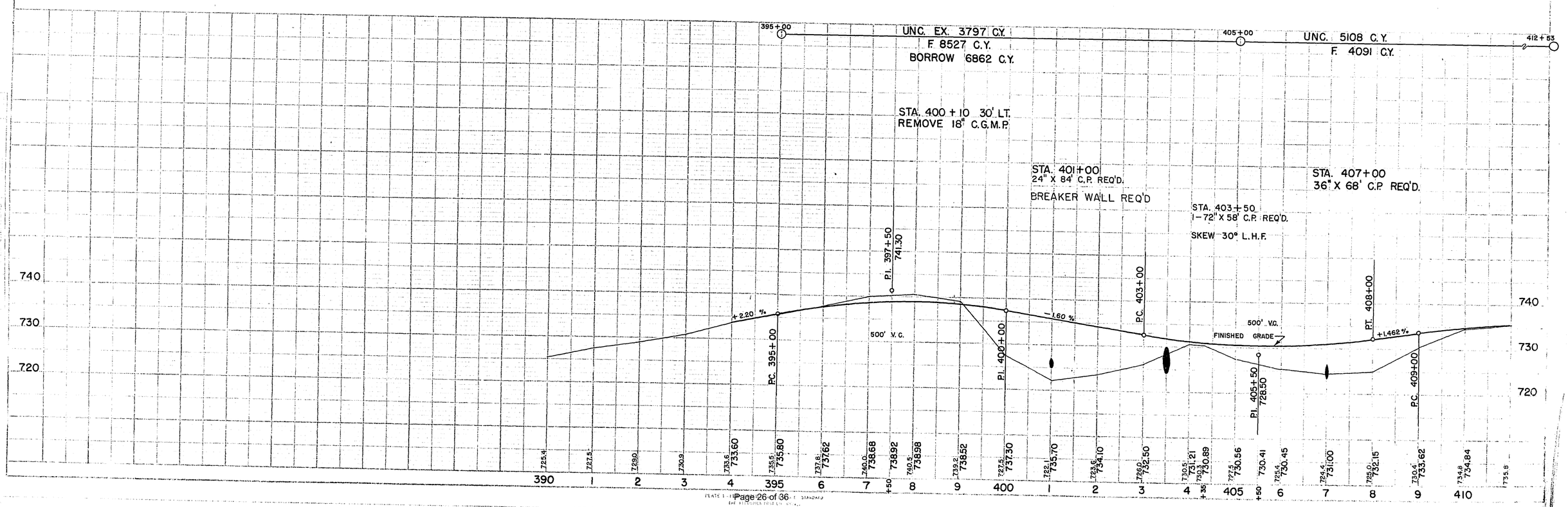


BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
80	391 + 10	SPIKE - 16" ELM - 36' RT.	726.93
81	401 + 40	SPIKE - 24" OAK - 40' LT.	729.27

S 0213(1) 9 86

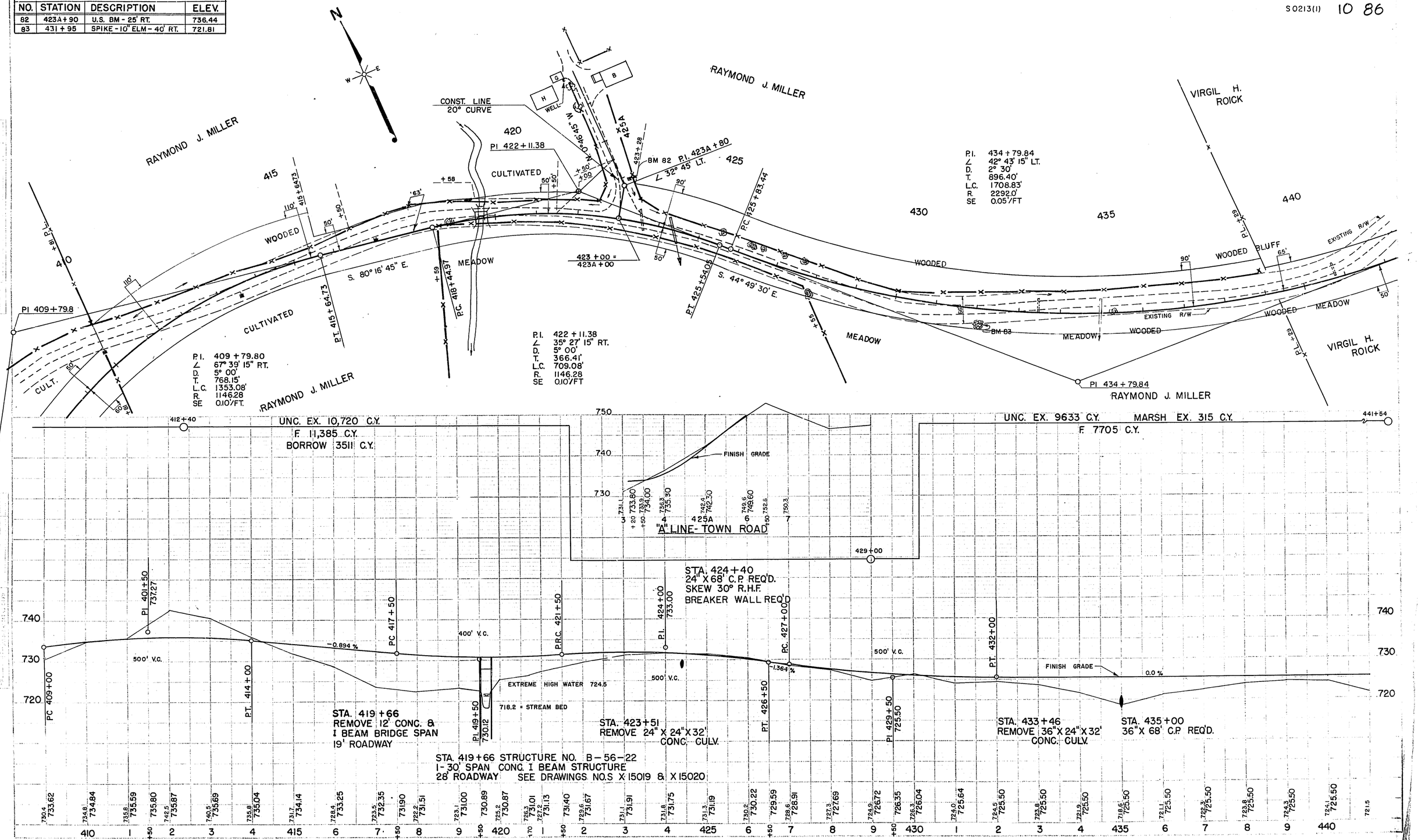


RAYMOND J. MILLER



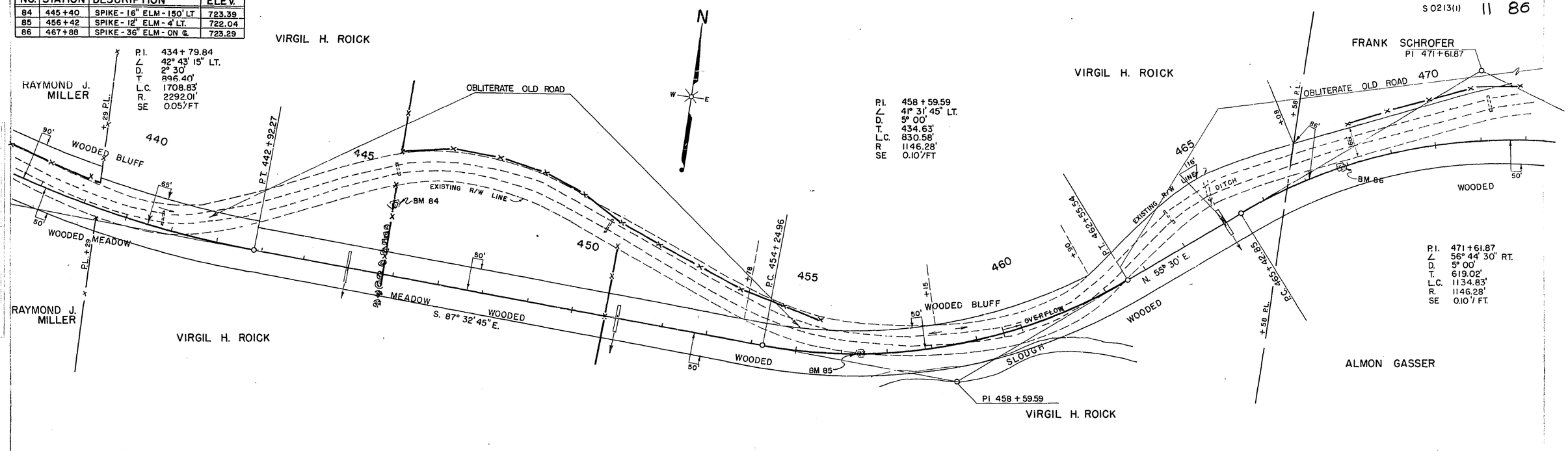
S0213(1) 10 86

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
82	423A + 90	U.S. BM - 25' RT.	736.44
83	431 + 95	SPIKE - 10" ELM - 40' RT.	721.81



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
84	445+40	SPIKE - 16" ELM - 150' LT	723.39
85	456+42	SPIKE - 12" ELM - 4' LT.	722.04
86	467+88	SPIKE - 36" ELM - ON ℄	723.29

S 0213(1) 11 86



441+54 — UNC. EX. 3085 C.Y. MARSH EX. 7933 C.Y. — 459+00 — UNC. EX. 1015 C.Y. MARSH EX. 9933 C.Y. — 475+00

F. 26,070 C.Y.
BORROW 29,503 C.Y.

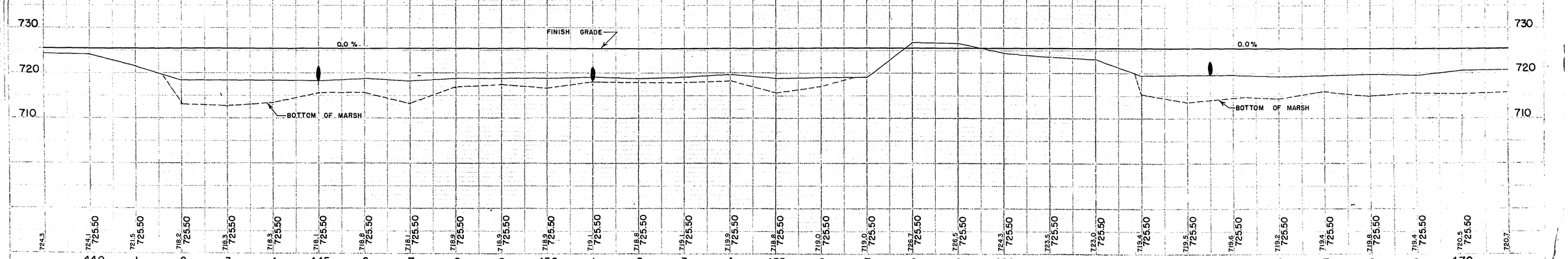
F. 21,847 C.Y.
BORROW 26,295 C.Y.

STA. 440+77 10' LT.
REMOVE 36"X 24"X 30' CONC. CULV.

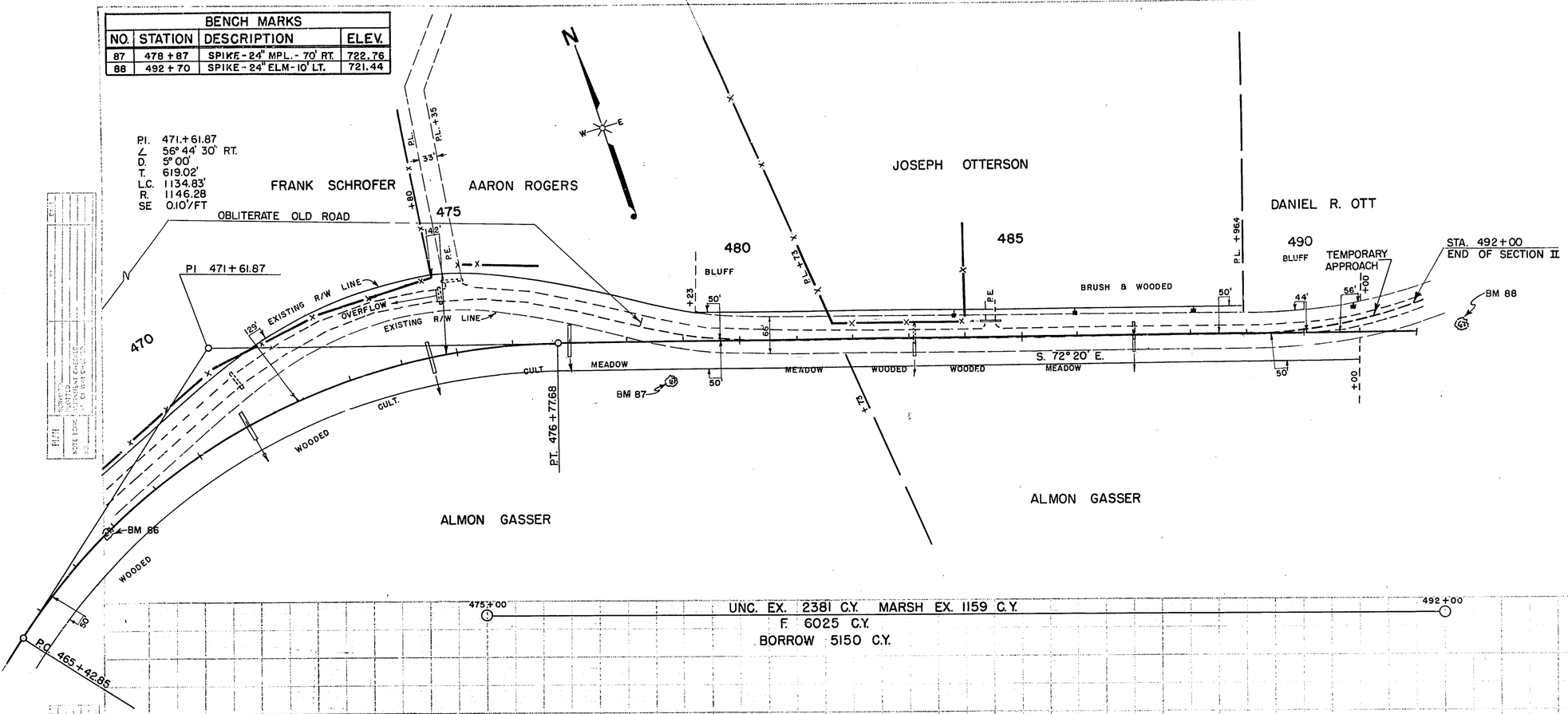
STA. 445+00
36" X 60' C.P. REQ'D.

STA. 451+00
36" X 58' C.P. REQ'D.

STA. 465+00
36" X 56' C.P. REQ'D.



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
87	478 + 87	SPIKE - 24" MPL. - 70' RT.	722.76
88	492 + 70	SPIKE - 24" ELM - 10' LT.	721.44



UNC. EX. 2381 C.Y. MARSH EX. 1159 C.Y.
F. 6025 C.Y.
BORROW 5150 C.Y.

475+00 — 492+00

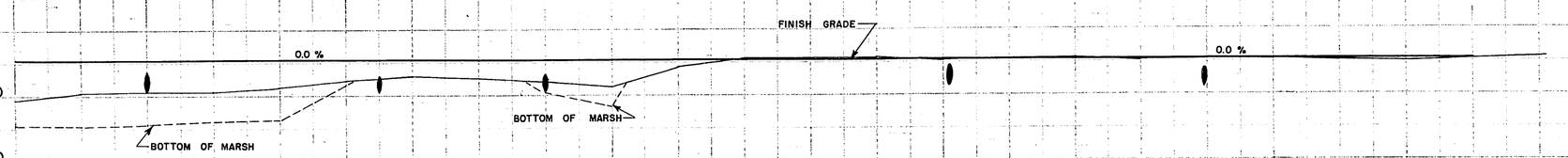
STA. 471+00
1 - 58" X 36" X 56' CMPA REQ'D.

STA. 474+50
1 - 43" X 27" X 56' CMPA REQ'D.
DITCH FOR DISCHARGE

STA. 477+00
1-43"X27"X56' C.M.P.A. REQ'D.
DITCH FOR DISCHARGE

STA. 483+10
48" X 24" X 32' CONC. CULV. IN PLACE
EXTEND 20' RT. WITH 43" X 27" X 20' C.M.P.A.

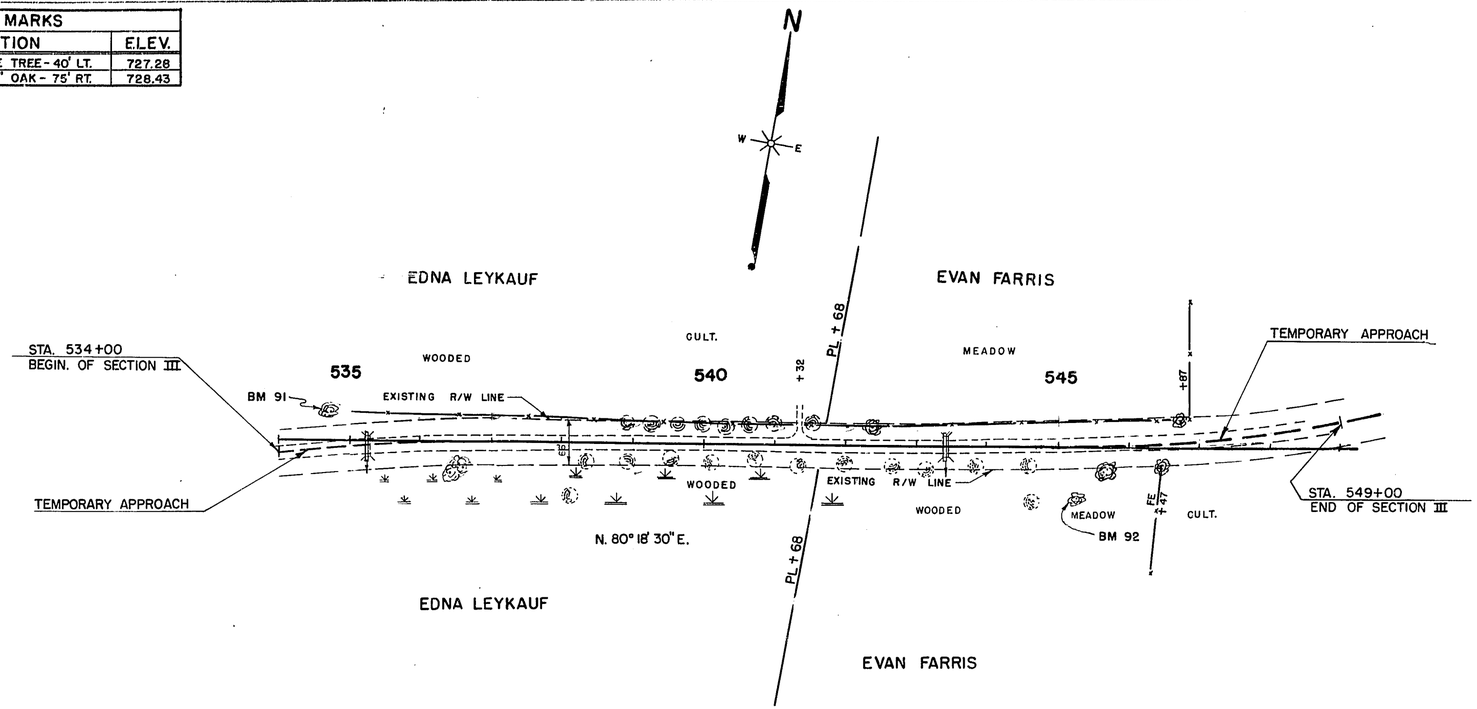
STA. 486+97
48" X 24" X 32' CONC. CULV. IN PLACE
EXTEND RT. WITH 43"X27"X 20' C.M.P.A.

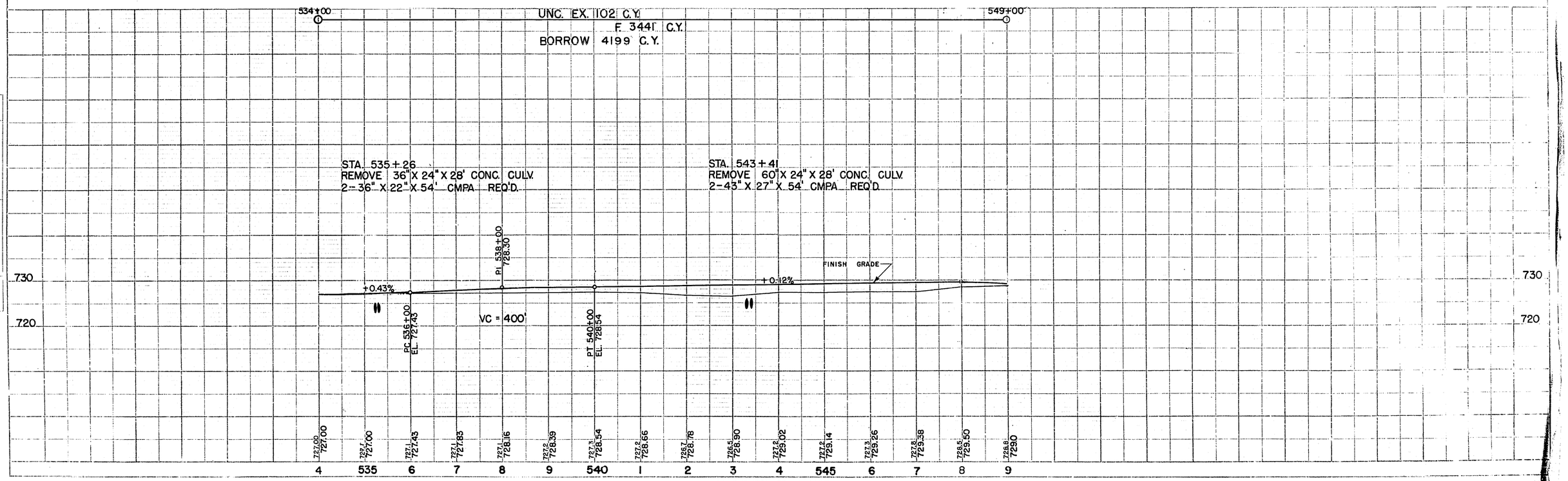


719.4	720.5 725.50	720.7 725.50	720.6 725.50	721.2 725.50	722.2 725.50	723.0 725.50	722.7 725.50	722.1 725.50	721.3 725.50	724.5 725.50	725.7 725.50	725.8 725.50	725.7 725.50	725.2 725.50	725.5 725.50	725.6 725.50	725.2 725.50	725.5 725.50	725.4 725.50	725.1 725.50	725.0 725.50	724.1 725.50	725.50
470	1	2	3	4	475	6	7	8	9	480	1	2	3	4	485	6	7	8	9	490	1	2		

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
91	534 + 70	SPIKE - TIE TREE - 40' LT.	727.28
92	545 + 25	SPIKE - 36" OAK - 75' RT.	728.43

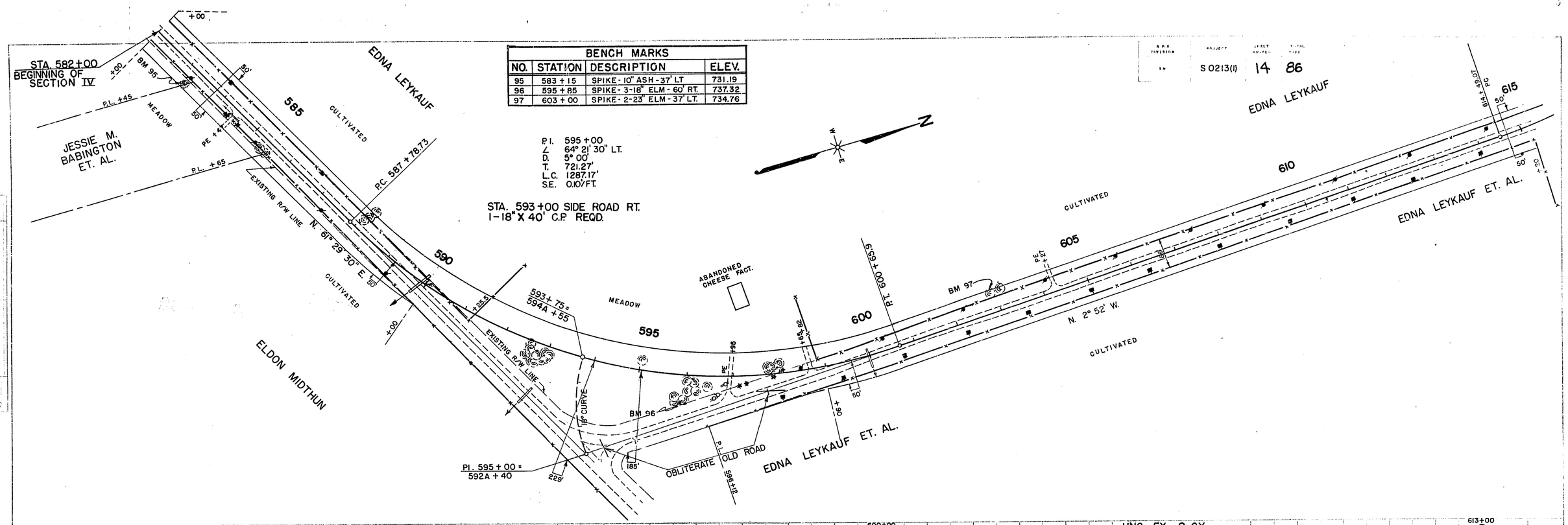
DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
14	S 0213(1)	13	86

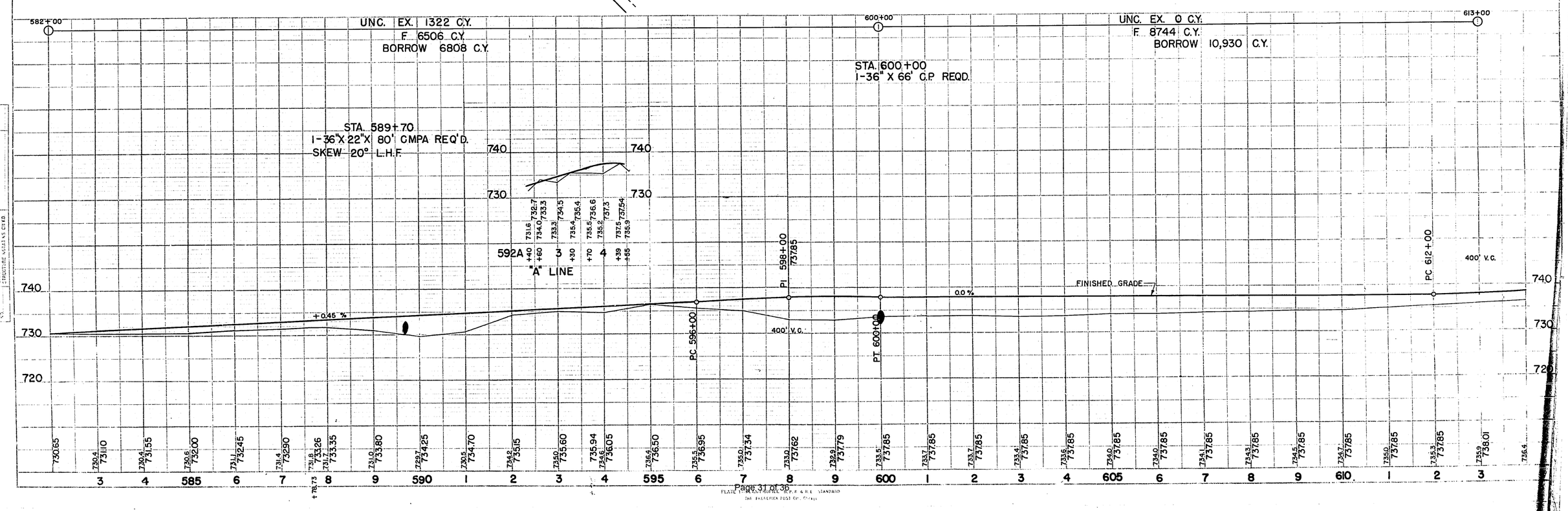




R.R.R. DIVISION	PROJECT	SHEET NO. PER.	TOTAL SHEETS
5N	S 0213(1)	14	86

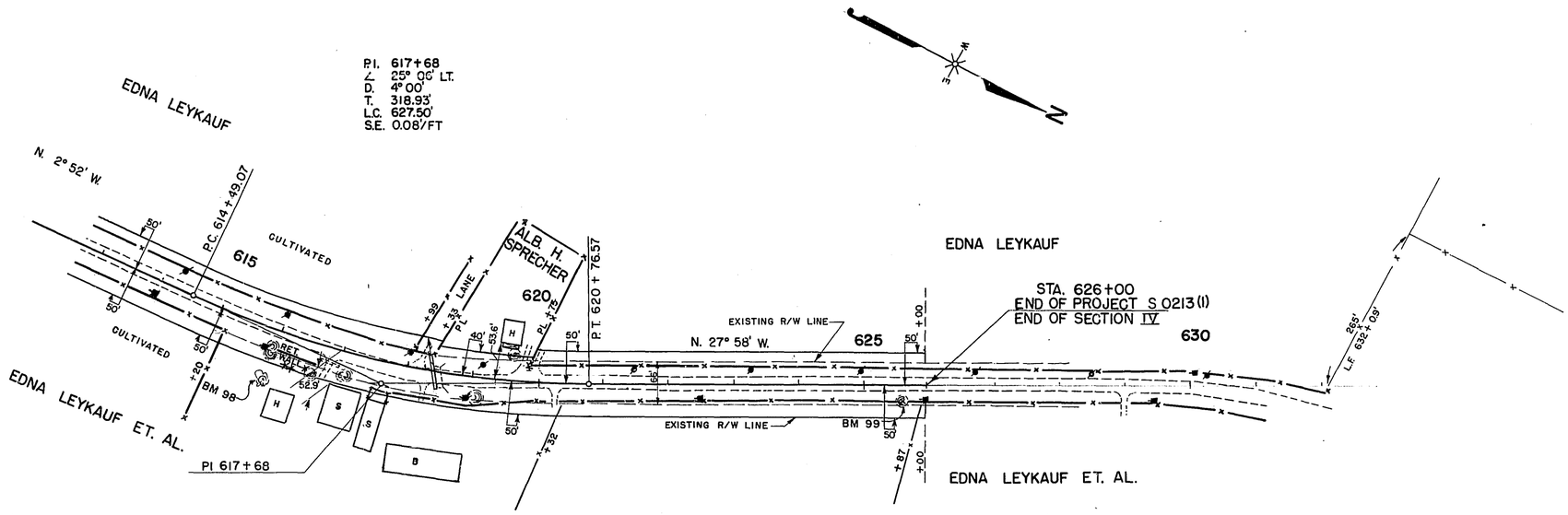
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
95	583 + 15	SPIKE - 10" ASH - 37' LT	731.19
96	595 + 85	SPIKE - 3-18" ELM - 60' RT.	737.32
97	603 + 00	SPIKE - 2-23" ELM - 37' LT.	734.76

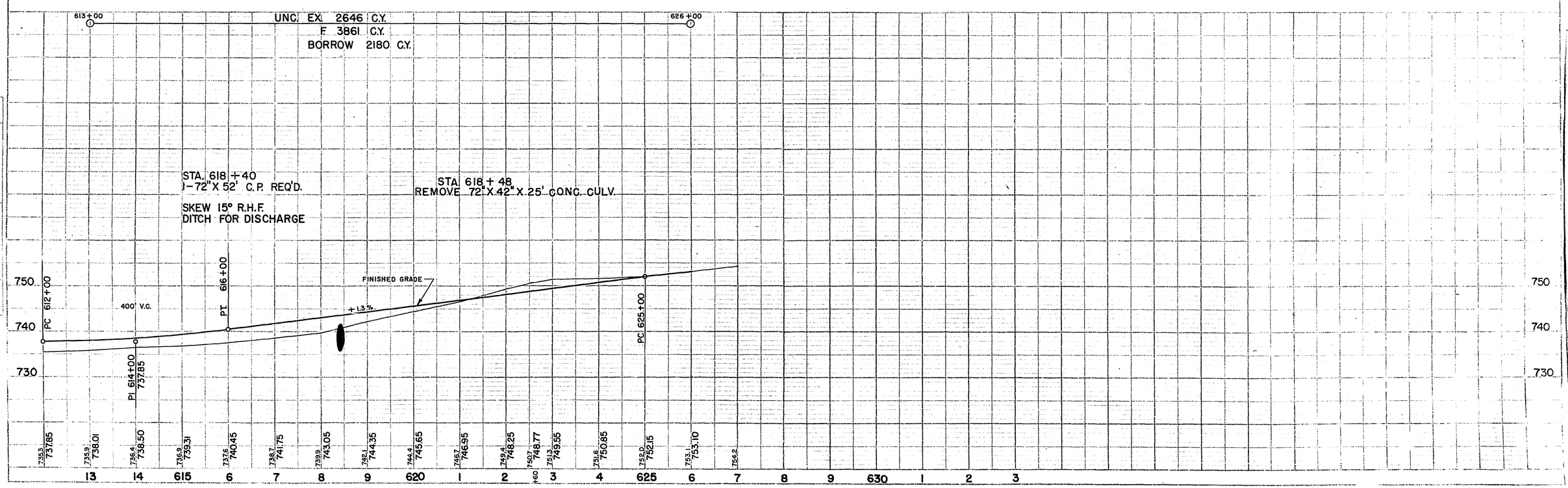




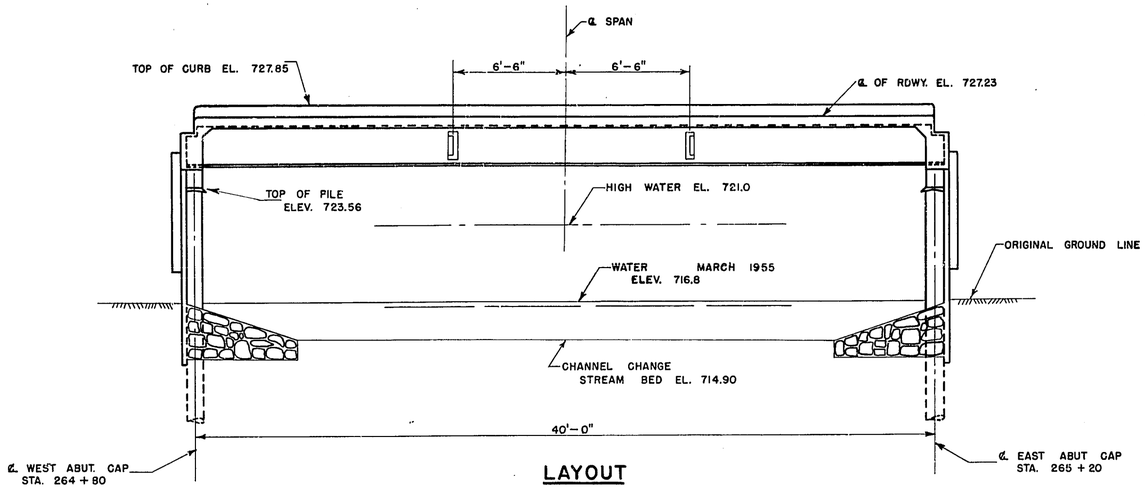
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
98	616+00	SPIKE-30" ELM - 80' RT.	738.52
99	625+56	SPIKE-3-7" CRAB APPLE-22' RT.	754.07

DIVISION			
	S 0213(1)	15	86

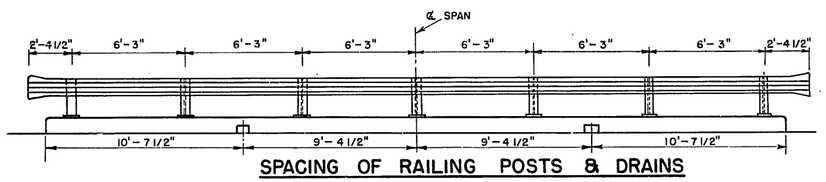




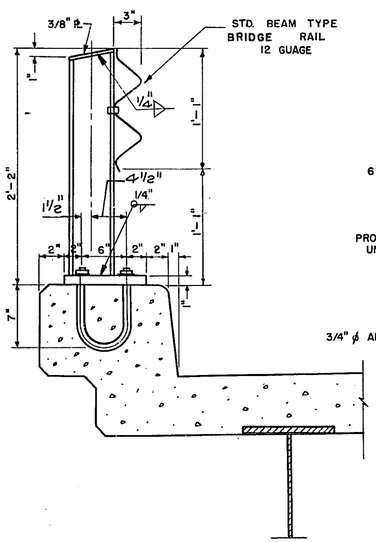
COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & ASSIGNMENT STATE	CLASS & ASSIGNMENT FEDERAL	B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
56.2	213.0	21.1		4	S0213(1)	29	86



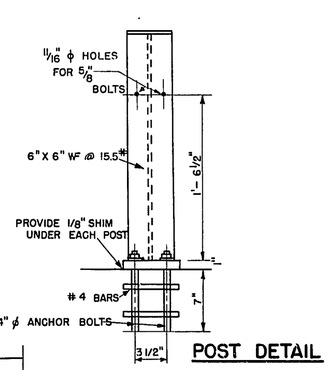
LAYOUT



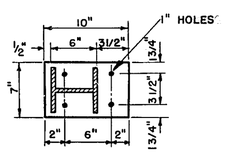
SPACING OF RAILING POSTS & DRAINS



SECTION THRU RAILING

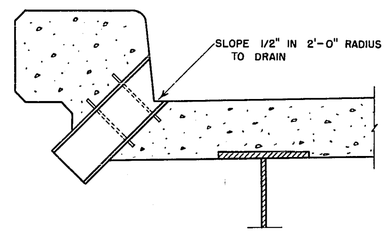


POST DETAIL

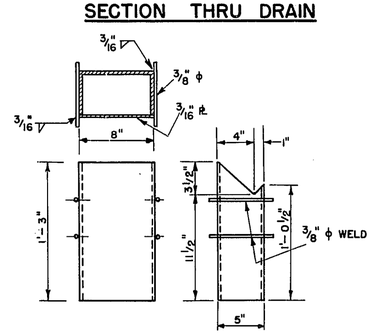


BASE PLATE

RAILING DETAILS



SECTION THRU DRAIN



DRAIN DETAILS

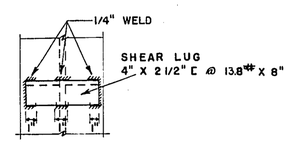
TREATED LUMBER & TIMBER

NOMINAL SIZE	NO. OF PIECES	LENGTH	SURFACE	GRADE	LOCATION
3"X 6"	4	10-0	NONE	1200#f J & P	WING CLEAT
	4	11-6	NONE	1200#f J & P	" "
	4	13'-6"	"	1200#f J & P	" "
	4	13'-0"	NONE	1200#f J & P	BODY CLEAT
	4	3'-0"	NONE	1200#f B & P	" "
6"X 6"	14	6'-6"	NONE	1200#f B & P	" "
3"X 10"	8	5'-0"	NONE	1200#f J & P	BODY BACKING
	4	2'-6"	NONE	1200#f J & P	WING BACKING
	4	5'-0"	NONE	" "	" "
	4	7'-6"	NONE	" "	" "
	4	10'-0"	NONE	" "	" "
	48	12'-6"	NONE	" "	" "
	4	15'-3"	NONE	" "	BODY BACKING
	26	35'-6"	NONE	" "	" "
3"X 12"	4	8'-6"	NONE	" "	BODY BACKING
12"X 12"	2	28'-0"	S45	1600#f B & S	ABUTMENT CAP

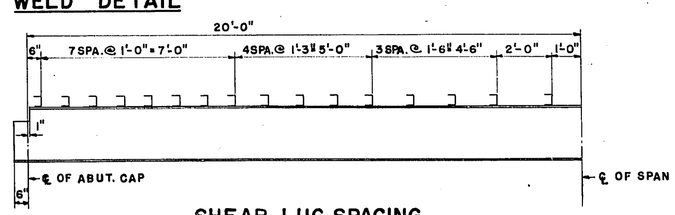
TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	QUANTITY
EXCAVATION FOR STRUCTURES	C.Y.	57
CONCRETE MASONRY	C.Y.	32.4
BAR STEEL REINFORCEMENT	L.B.	6,645
STRUCTURAL CARBON STEEL	L.B.	25,985
SHEET ZINC	L.B.	34
TREATED LUMBER & TIMBER	MBM	5.62
UNTREATED TIMBER TEST PILING (1@55')	L.S.	1
TREATED TIMBER PILING DELIVERED	L.F.	1300'
TREATED TIMBER PILING DRIVEN	L.F.	1045
BEAM TYPE BRIDGE RAIL	L.F.	84.5
FLOOR DRAINS	EACH	4
RIPRAP	C.Y.	57
REMOVING OLD BRIDGE	LUMP SUM	1

** DRIVE AT LOCATION OF WEST ABUT.



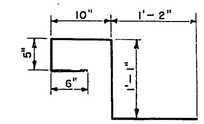
SHEAR LUG WELD DETAIL



SHEAR LUG SPACING

BILL OF BARS

NO. REQD.	MARK	SIZE	LENGTH	SPACING	LOCATION
148	S1	5	29'-0"	6 1/2" O.C.	TRANSVERSE IN FLOOR
58	S2	5	21'-0"	SHOWN	LONGITUDINAL IN FLOOR
20	S3	5	22'-0"	SHOWN	LONGITUDINAL IN CURBS & FLOOR
56	S4	5	4'-0"	1'-6" O.C.	TRANSVERSE IN CURB
36	S5	6	4'-0"	4 1/2" O.C.	TRANSVERSE - PAVING SUPPORT AT ABUTMENT



DETAIL OF S4

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

ALL CONCRETE MASONRY SHALL BE GRADE "AA"

BEVEL ALL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.

BAR STEEL REINFORCEMENT DIMENSIONS APPLY ALONG ℄ OF BAR.

BAR STEEL REINFORCEMENT IN FLOOR SHALL BE CUT OFF AT FLOOR DRAINS.

UNLESS OTHERWISE SPECIFIED, ALL SHOP CONNECTIONS SHALL BE 3/4" ϕ RIVETS AND ALL FIELD CONNECTIONS SHALL BE 3/4" ϕ RIVETS OR 3/4" ϕ RIBBED BOLTS. SEE SPECIFICATIONS.

PILES SHALL BE TREATED TIMBER PILING 50'-0" LONG AND SHALL BE DRIVEN TO A MINIMUM BEARING VALUE OF 20 TONS PER PILE.

THE 3" X 10" BULKHEAD PLANK IN THE BODY OF THE ABUTMENTS MAY BE SPLICED. SPLICES MUST BE AT ℄ OF PILES AND MUST BE STAGGERED IN ADJACENT PLANKS.

THE FRONT FACES OF THE ABUTMENTS SHALL BE RIPRAPPED AS SHOWN IN SECTION S1-S1 WITHIN THE LIMITS OF THE ENDS OF THE WINGS. AFTER THE FILL IS IN PLACE, THE SLOPE OF THE FILL AROUND THE ENDS OF THE WINGS SHALL BE RIPRAPPED TO A MINIMUM THICKNESS OF 1'-0" AS DIRECTED BY THE ENGINEER.

CONTRACTOR SHALL MAKE PROVISION FOR 1/2" THICKENING OF FLOOR SLAB FOR D.L. DEFLECTION.

BEAMS SHALL BE DETAILED BY FABRICATOR WITH NATURAL CAMBER UP.

LIST OF DRAWINGS

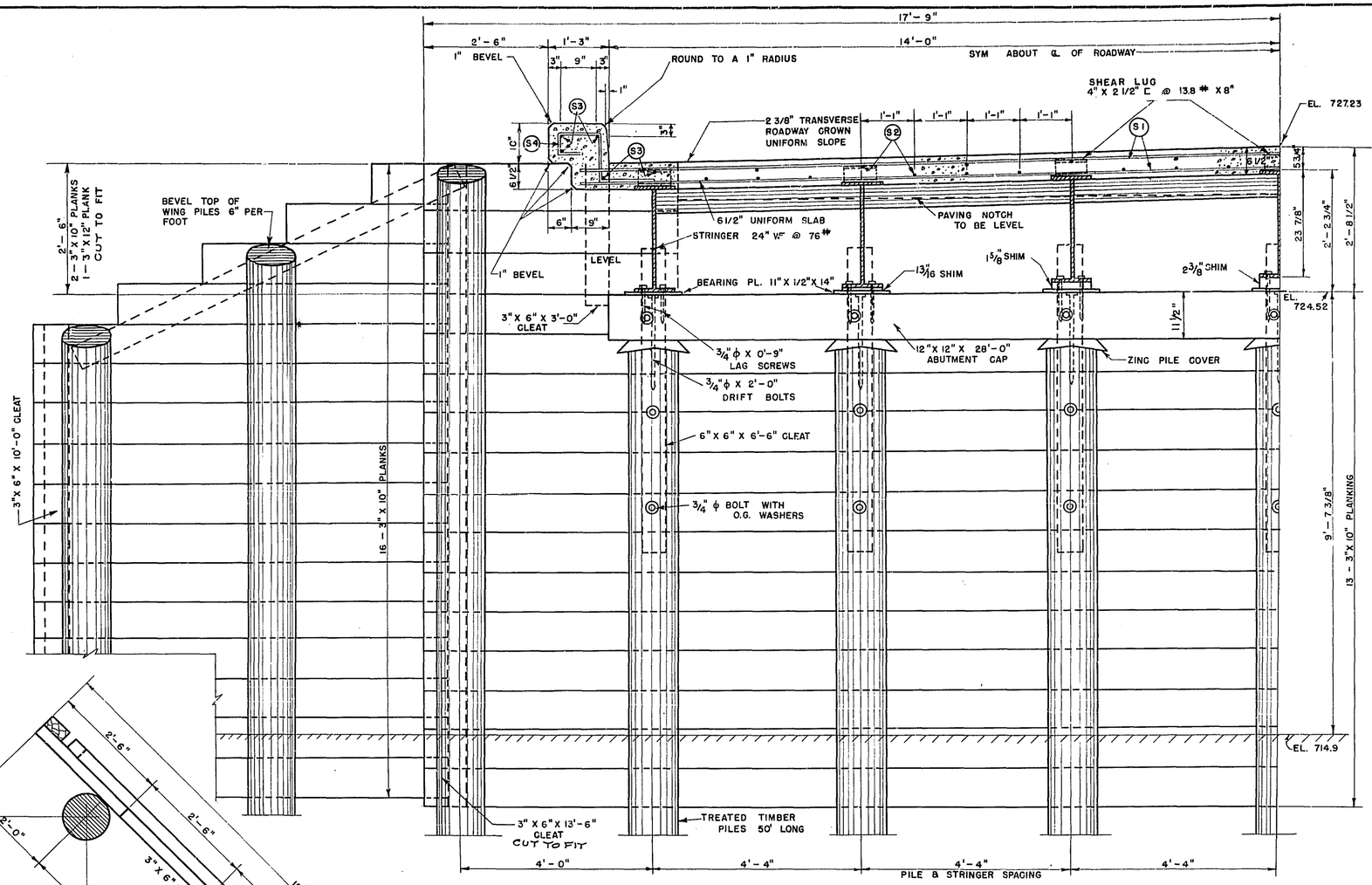
1. LAYOUT-RAILING & DRAIN DETAILS, ETC. —— X15021
2. ABUTMENTS —— X15022

* NOTE: THE DESIGN OF THIS STRUCTURE IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES A.A.S.H.O. EDITION OF 1953."

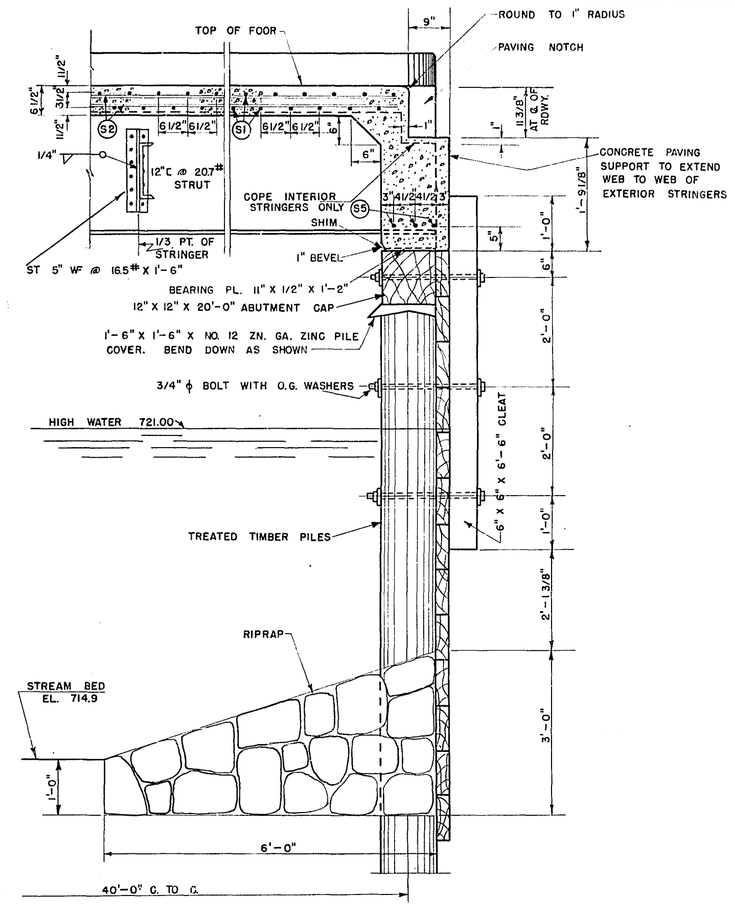
REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN
	LAYOUT-RAILING & DRAIN DETAILS, ETC.
CO. SAUK	CITY VIL. TN. TROY — STA. 265 + 00.00
SECTION 2	TOWN 8 N. — RANGE 4 E.
DATE 7-18-55	DRWN PENNER BREY — CKD — SPEC 1951* — LOAD H20
CORRECT	H. B. Schultz, ENGINEER OF BRIDGES
APPROVED	E. L. Rettiger, STATE HIGHWAY ENGINEER
STRUCTURE B-56-21	SHEET 1 OF 2

X15021

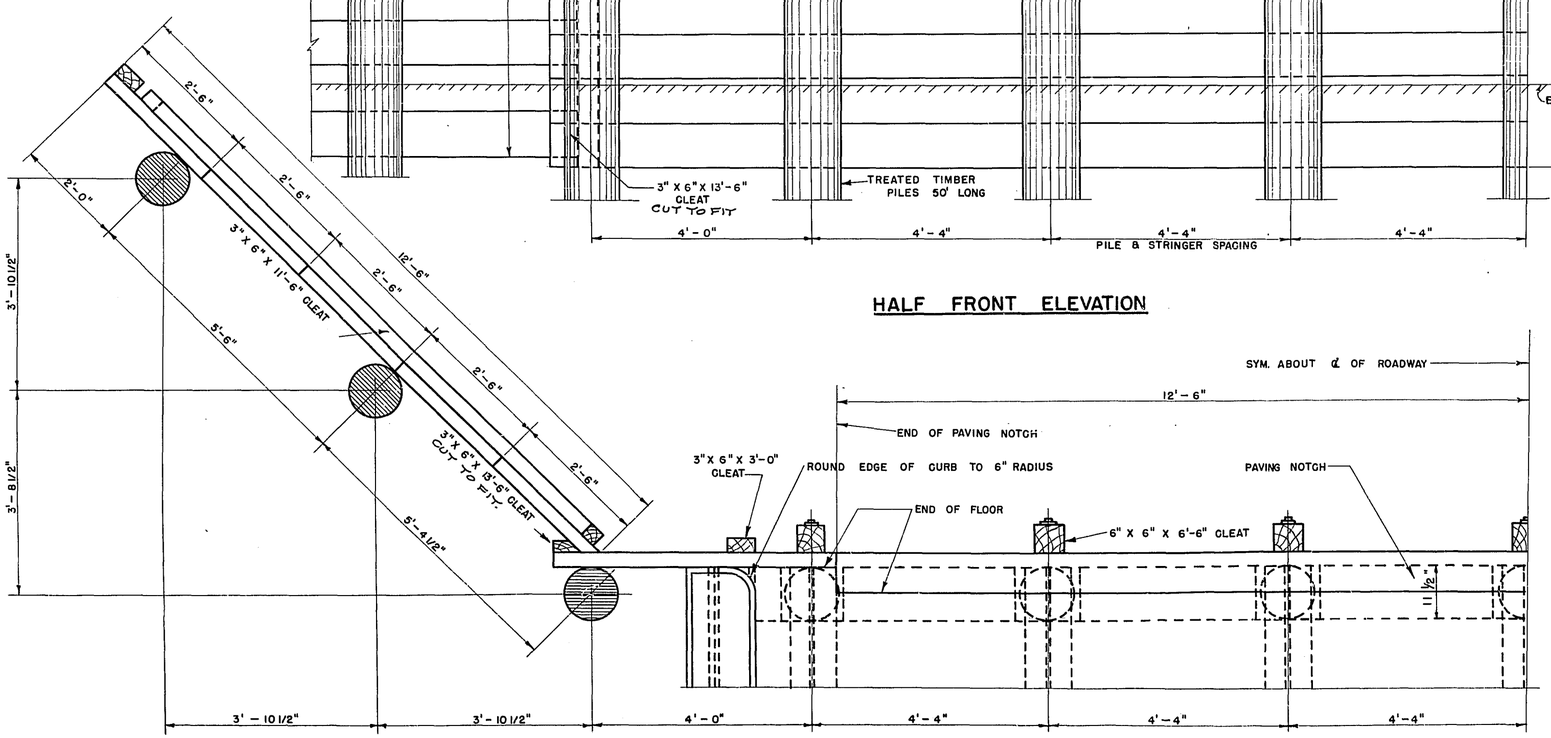
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 0213(1)	30	86



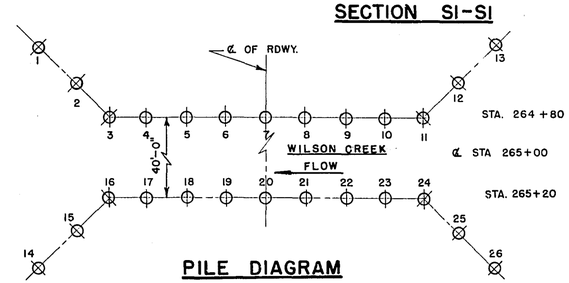
HALF FRONT ELEVATION



SECTION S1-S1



HALF PLAN

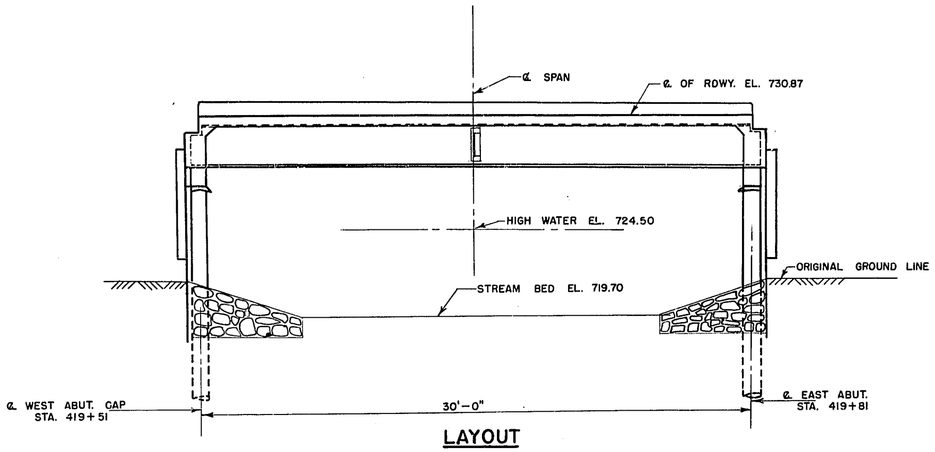


PILE DIAGRAM

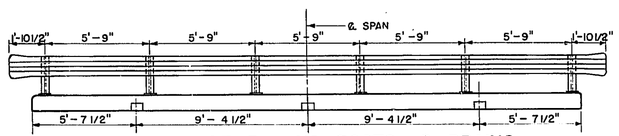
REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN
	ABUTMENTS
DATE 7-18-55	DRWN. P.E.NNEIM / BREY CKD. SPEC 1951 LOAD H20
STRUCTURE B-56-21	SHEET 2 OF 2

X 15022

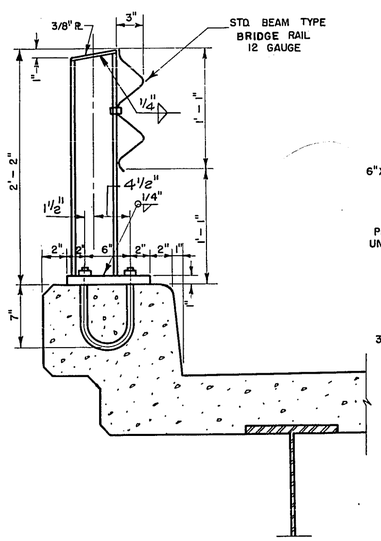
COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & ACMT STATE	CLASS & ACMT FEDERAL	R.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
56.2	213.0	21.1		4	S 0213 (1)	31	86



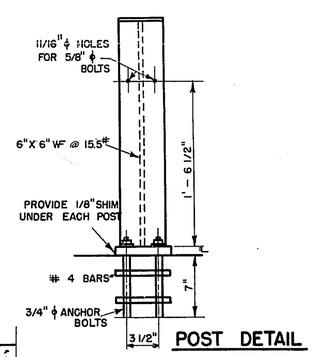
LAYOUT



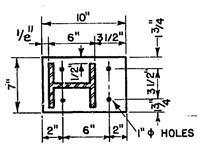
SPACING OF RAILING POSTS & DRAINS



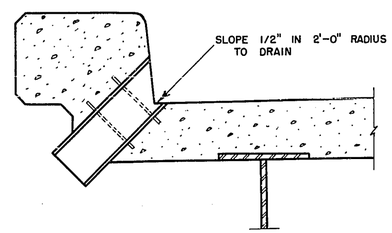
SECTION THRU RAILING



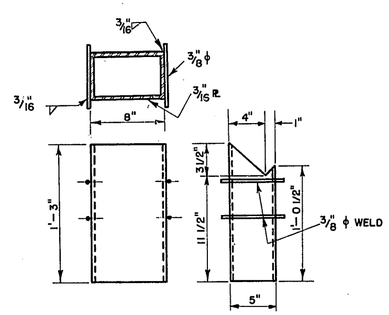
POST DETAIL



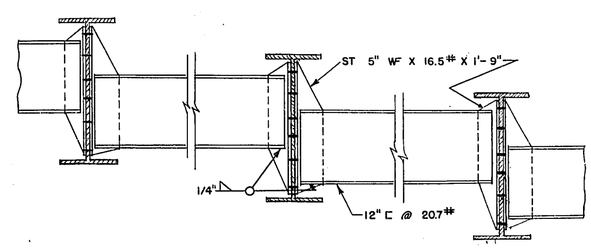
BASE PLATE



SECTION THRU DRAIN



DRAIN DETAILS



DIAPHRAGM CONNECTION DETAIL

NOTE:- CONTRACTOR SHALL MAKE PROVISION FOR 1/4" THICKENING OF FLOOR SLAB FOR D.L. DEFLECTION.
BEAMS SHALL BE DETAILED BY FABRICATOR WITH NATURAL CAMBER UP.

TREATED LUMBER & TIMBER

NOMINAL SIZE	NO. OF PIECES	LENGTH	SURFACE	GRADE	LOCATION
3" X 6"	2	7'-6"	NONE	1200# f J & P	WING CLEAT
	2	10'-0"	NONE	1200# f J & P	WING CLEAT
	2	10'-9"	"	" "	" "
	4	11'-6"	NONE	" "	" "
	2	13'-0"	"	" "	" "
	4	3'-0"	NONE	" "	BODY CLEAT
6" X 6"	12	6'-0"	NONE	1200# f J&P	" "
3" X 10"	4	5'-0"	NONE	1200# f J&P	BODY BACKING
	4	2'-6"	NONE	" "	WING BACKING
	4	5'-0"	NONE	" "	" "
	4	7'-6"	"	" "	" "
	4	10'-0"	"	1200# f J&P	" "
	42	12'-6"	"	" "	" "
	18	35'-0"	"	" "	BODY BACKING
	* 2	11'-11 1/2"	"	" "	" "
	* 2	29'-0 3/8"	"	" "	" "
3" X 12"	8	5'-0"	NONE	1200# f J&P	BODY BACKING
	* 2	21'-4 1/8"	"	" "	" "
12" X 12"	* 2	28'-2"	S2E	1600# f B&S	ABUTMENT CAP

* SEE DETAILS

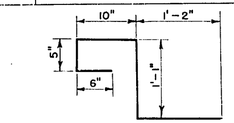
TOTAL ESTIMATED QUANTITIES

	BID ITEMS	UNIT	QUANTITY
	EXACATION FOR STRUCTURES	C.Y.	86
	CONCRETE MASONRY	C.Y.	28.8
	BAR STEEL REINFORCEMENT	LB.	5,284
	STRUCTURAL CARBON STEEL	LB.	15,398
	SHEET ZINC	LB.	29
	TREATED LUMBER & TIMBER	MBM	4.75
*	UNTREATED TIMBER TEST PILING (18.55')	L.S.	1
	TREATED TIMBER PILING DELIVERED	L.F.	1200
	TREATED TIMBER PILING DRIVEN	L.F.	968
	BEAM TYPE BRIDGE RAIL	L.F.	65
	FLOOR DRAINS	EACH	3
	RIP RAP	C.Y.	57

* DRIVE AT LOCATION OF WEST ABUT.

BILL OF BARS

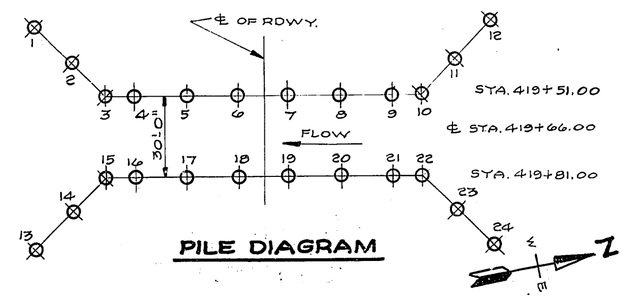
NO. REQD.	MARK	SIZE	LENGTH	SPACING	LOCATION
188	S1	4	29'-0"	3 3/4"	TRANSVERSE (TOP & BOTTOM) FLOOR
20	S2	4	29'-0"	SHOWN	LONGITUDINAL (BOTTOM) FLOOR
29	S3	4	29'-0"	1'-0"	LONGITUDINAL (TOP) FLOOR
40	S4	4	4'-0"	1'-6"	TRANSVERSE IN CURB
8	S5	6	30'-6"	SHOWN	LONGITUDINAL IN CURB
30	S6	6	4'-10"	4 1/4"	PAVING SUPPORT



DETAIL OF S4

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALL CONCRETE MASONRY SHALL BE GRADE "AA".
BEVEL ALL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
BAR STEEL REINFORCEMENT DIMENSIONS APPLY ALONG ℄ OF BAR.
BAR STEEL REINFORCEMENT IN FLOOR SHALL BE CUT OFF AT FLOOR DRAINS.
UNLESS OTHERWISE SPECIFIED, ALL SHOP CONNECTIONS SHALL BE 3/4" ϕ RIVETS AND ALL FIELD CONNECTIONS SHALL BE 3/4" ϕ RIVETS OR 3/4" ϕ RIBBED BOLTS. SEE SPECIFICATIONS.
PILES SHALL BE TREATED TIMBER PILING 50'-0" LONG AND SHALL BE DRIVEN TO A MINIMUM BEARING VALUE OF 20 TONS PER PILE.
THE 3" X 10" BULKHEAD PLANK IN THE BODY OF THE ABUTMENTS MAY BE SPLICED. SPLICES MUST BE AT ℄ OF PILES AND MUST BE STAGGERED IN ADJACENT PLANKS.
THE FRONT FACES OF THE ABUTMENTS SHALL BE RIPRAPPED AS SHOWN IN SECTION S1 - S1 WITHIN THE LIMITS OF THE ENDS OF THE WINGS. AFTER THE FILL IS IN PLACE, THE SLOPE OF THE FILL AROUND THE ENDS OF THE WINGS SHALL BE RIPRAPPED TO A MINIMUM THICKNESS OF 1'-0" AS DIRECTED BY THE ENGINEER.



PILE DIAGRAM

LIST OF DRAWINGS

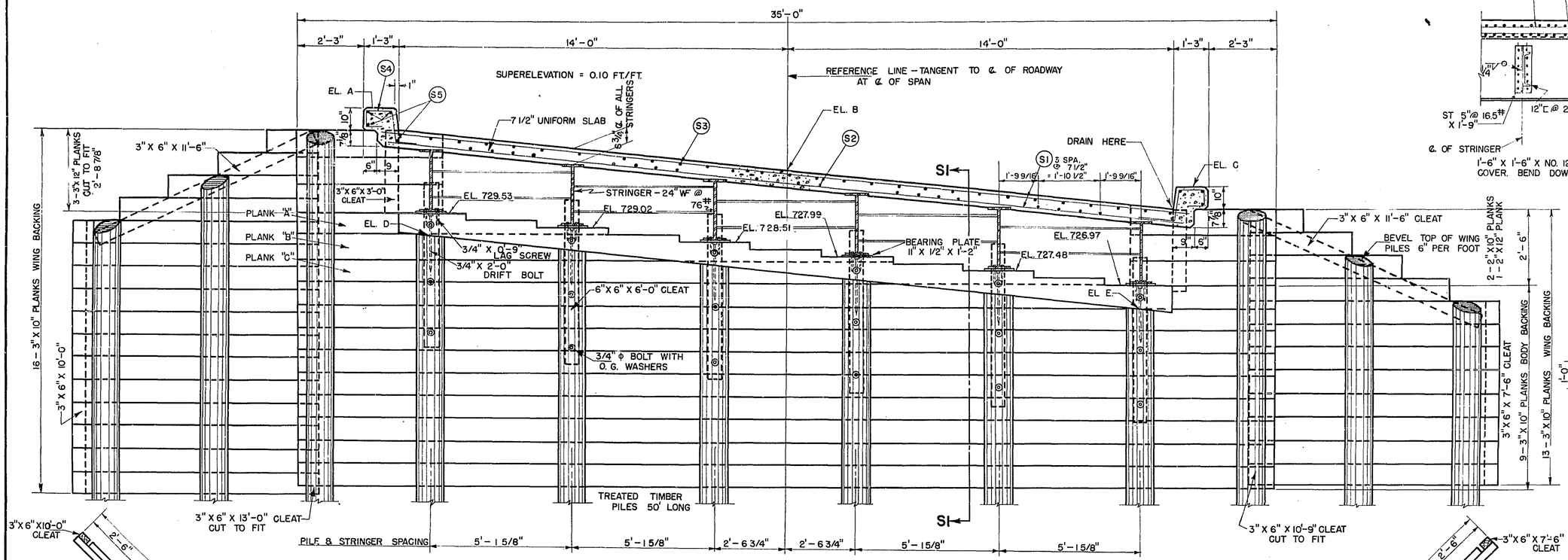
1.- LAYOUT-RAILING & DRAIN DETAILS, ETC. —— X15019
2.- ABUTMENTS —— X15020

** NOTE: THE DESIGN OF THIS STRUCTURE IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES A.A.S.H.O. EDITION OF 1953."

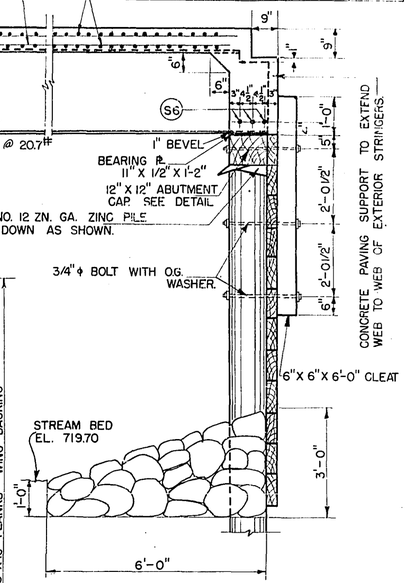
REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN		
	LAYOUT-RAILING & DRAIN DETAILS, ETC.		
	CO. SAUK	CITY VIL. TN. TROY	STA. 419+66.00
	SECTION 5	TOWN 8 N.	RANGE 5 E.
	DATE 7-14-55 DRWN. FENNER BREW	CKD.	SPEC 1951 * LOAD H 20
	CORRECT: H. B. Schultz ENGINEER OF BRIDGES		
	APPROVED: E. L. Ruettiger STATE HIGHWAY ENGINEER		
	STRUCTURE B-56-22	SHEET 1 OF 2	

X15019

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 0213(1)	32	86



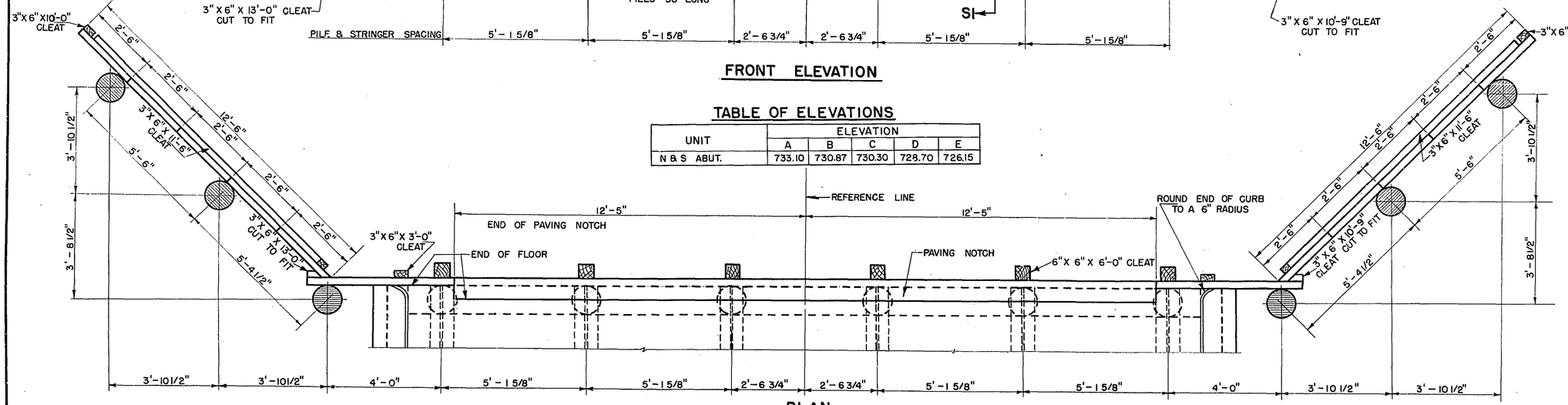
FRONT ELEVATION



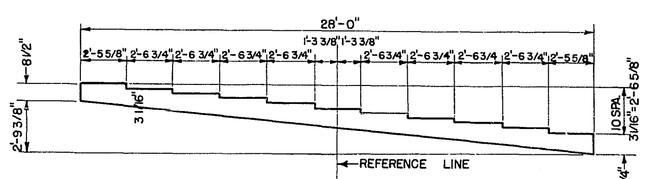
SECTION SI-SI

TABLE OF ELEVATIONS

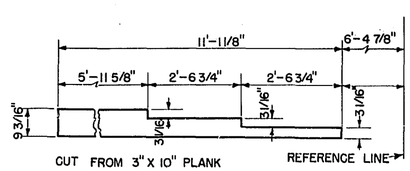
UNIT	ELEVATION				
	A	B	C	D	E
N & S ABUT.	733.10	730.87	730.30	728.70	726.15



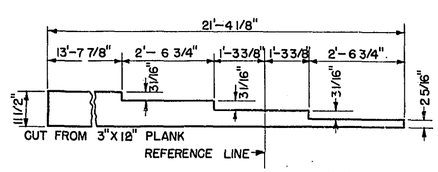
PLAN



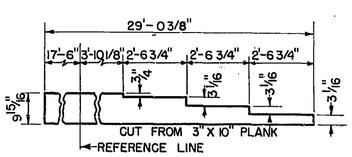
DETAILS OF ABUTMENT CAP



DETAILS OF PLANK "A"



DETAILS OF PLANK "B"



DETAILS OF PLANK "C"

REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN	
	ABUTMENTS	
	DATE 7-14-50 DRWN. FENNER B.R. CKD.	SPEC. 1951 LOAD H20
STRUCTURE B-56-22		SHEET 2 OF 2

X15020