

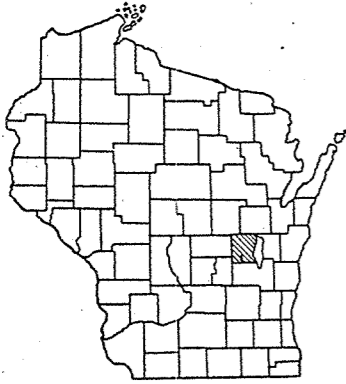
COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		S.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
70.6	737.0		11.3	4 WIS.	1	34

**INDEX OF SHEETS**

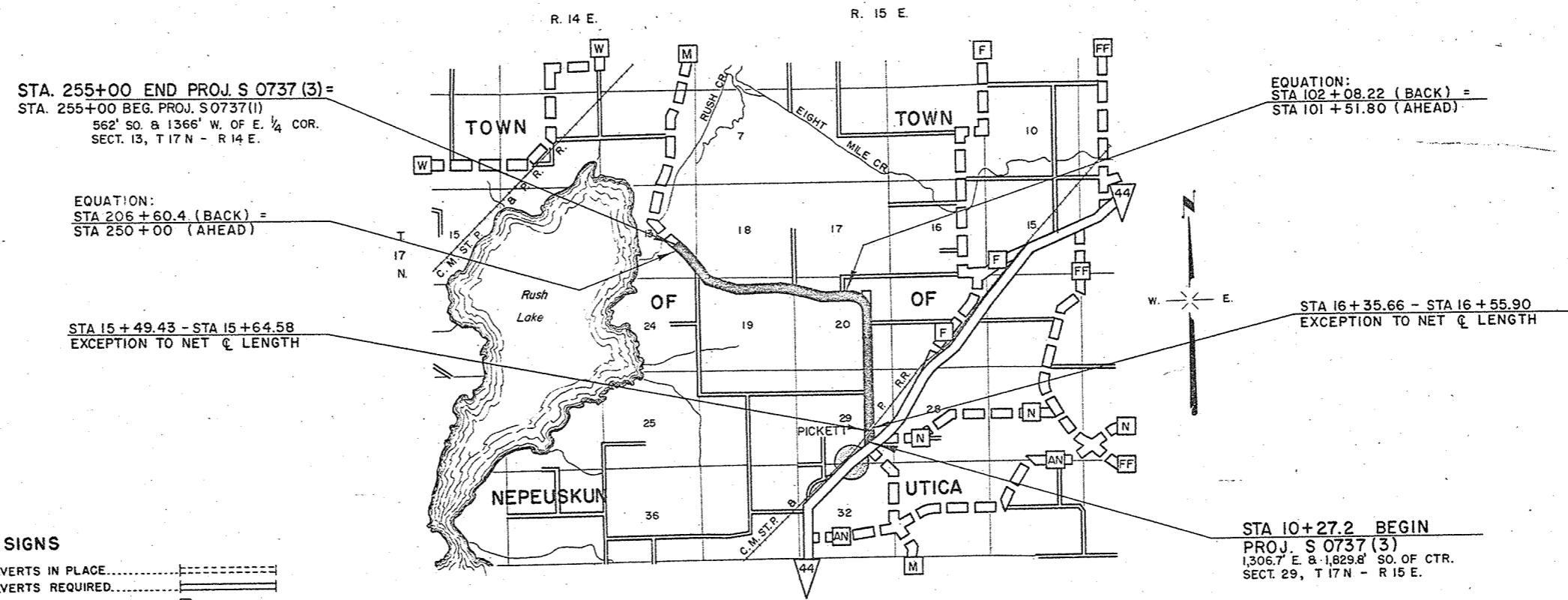
SHEET NO. 1 TITLE  
SHEET NO. 2 TYPICAL CROSS SECTIONS  
SHEET NO. 2 ESTIMATE OF QUANTITIES  
SHEET NO. 2 MISCELLANEOUS QUANTITIES  
SHEET NO. — RIGHT OF WAY PLAT  
SHEET NO. 3-9 PLAN AND PROFILE STA. 10+27.2 TO STA. 255+00  
SHEET NO. 10-17 STANDARD DETAILS  
SHEET NO. — DRAINAGE STRUCTURES  
SHEET NO. 18-34 CROSS SECTIONS

STATE OF WISCONSIN  
**STATE HIGHWAY COMMISSION OF WISCONSIN**

PLAN AND PROFILE OF PROPOSED  
**S.T.H. 44 — RUSH LAKE**  
**C.T.H. "M"**  
**WINNEBAGO COUNTY**  
**PROJECT S 0737 (3)**



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



**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..... DATUM LINE 73.9
TRAVELED WAY OR P.E.....	GRADE ELEVATION..... DATUM LINE 75.16
RAILROADS.....	
BASE OR SURVEY LINE.....	

**LAYOUT**  
SCALE 1 MILE  
TOTAL NET LENGTH OF CENTERLINE = 3.817 MI.

STATE HIGHWAY COMMISSION OF WISCONSIN  
MADISON, WIS.

SURVEYOR: C.E.S. NOTE BOOK 323 - 324  
DISTRICT COMPUTER: W.R.K. H. O. CHECKER: WUB  
DISTRICT CHECKER: R.L.J. & W.F.S. CORRECT

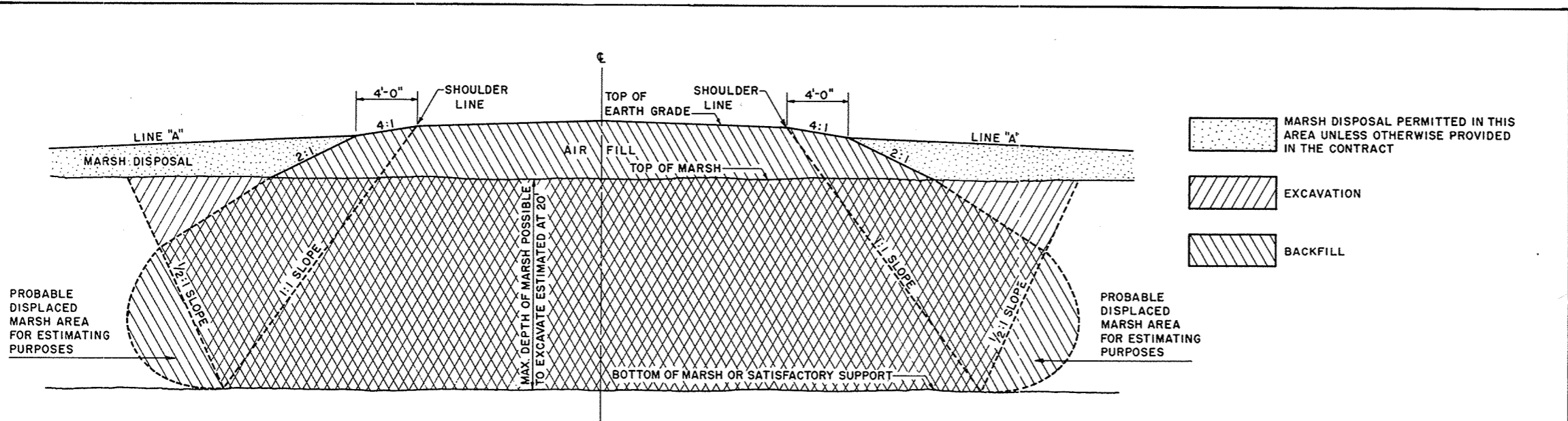
CORRECT:  
DATE: 4-12-61 *C.E.S.* DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:  
DATE: 4/17/61 *J.J. Pilt* ENGINEER OF DESIGN



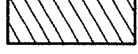
APPROVED:  
DATE: 4/17/61 *C.C. Rustinger* STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
DIVISION ENG.

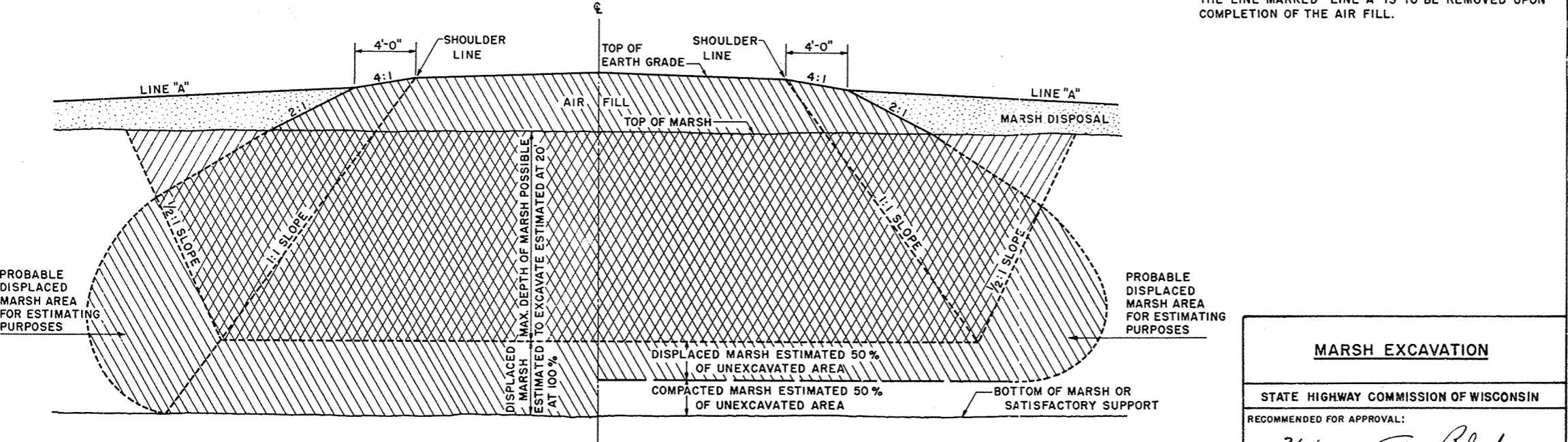


**COMPLETE MARSH EXCAVATION**

-  MARSH DISPOSAL PERMITTED IN THIS AREA UNLESS OTHERWISE PROVIDED IN THE CONTRACT
-  EXCAVATION
-  BACKFILL

**GENERAL NOTES**



DETAILS OF CONSTRUCTION NOT SHOWN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.  
 ANY MATERIAL TEMPORARILY PLACED ABOVE THE LINE MARKED "LINE A" IS TO BE REMOVED UPON COMPLETION OF THE AIR FILL.

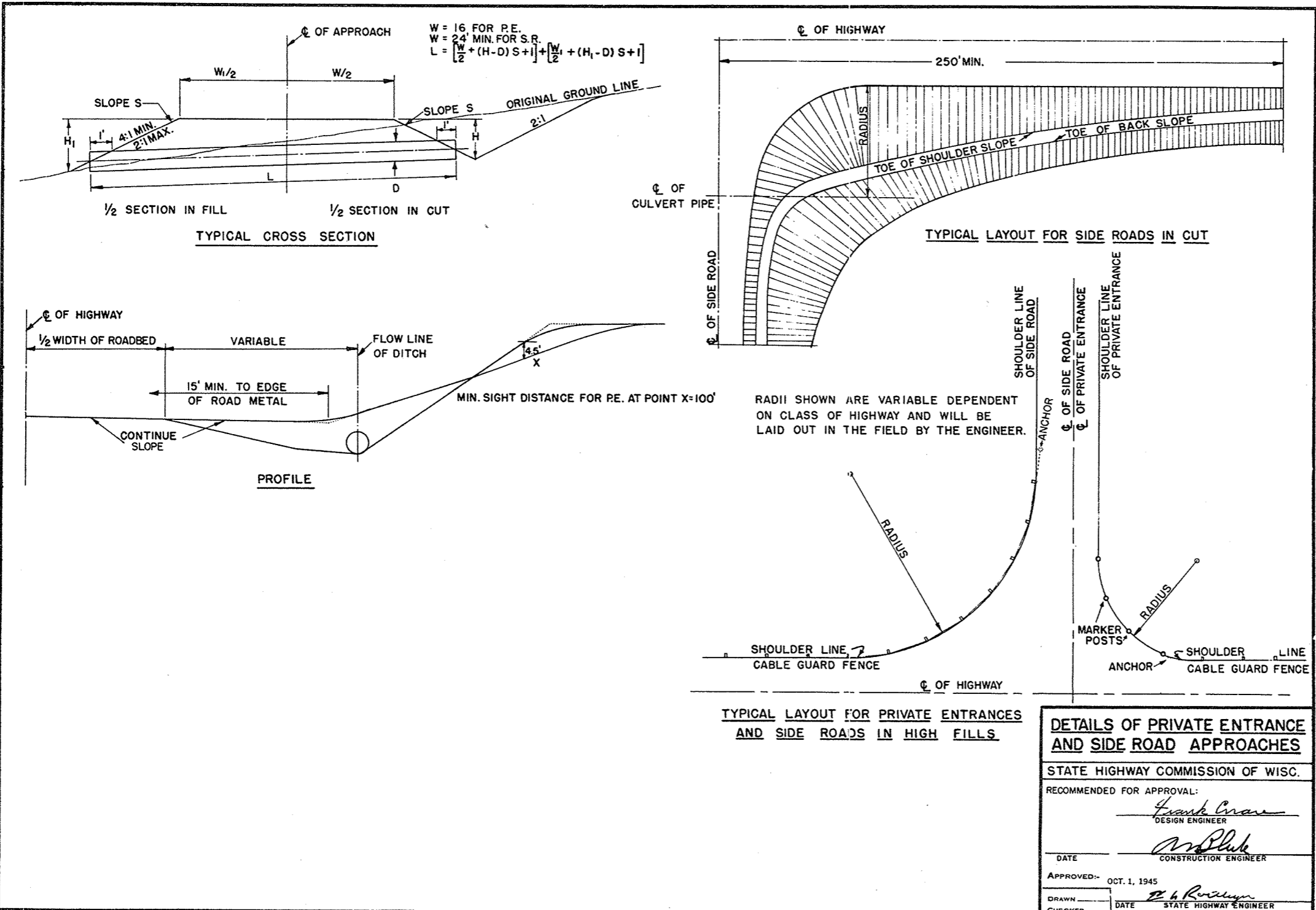


**PARTIAL EXCAVATION PLUS 100% DISPLACEMENT**

DISPLACED MARSH ESTIMATED 50% OF UNEXCAVATED AREA  
 COMPACTED MARSH ESTIMATED 50% OF UNEXCAVATED AREA

**PARTIAL EXCAVATION PLUS 50% DISPLACEMENT**

<b>MARSH EXCAVATION</b>	
STATE HIGHWAY COMMISSION OF WISCONSIN	
RECOMMENDED FOR APPROVAL:	
DATE <u>2/11/52</u>	 CONSTRUCTION ENGINEER
APPROVED:	
DATE <u>2/11/52</u>	 STATE HIGHWAY ENGINEER
DRAWN LJD	CHECKED



**DETAILS OF PRIVATE ENTRANCE AND SIDE ROAD APPROACHES**

STATE HIGHWAY COMMISSION OF WISC.

RECOMMENDED FOR APPROVAL:

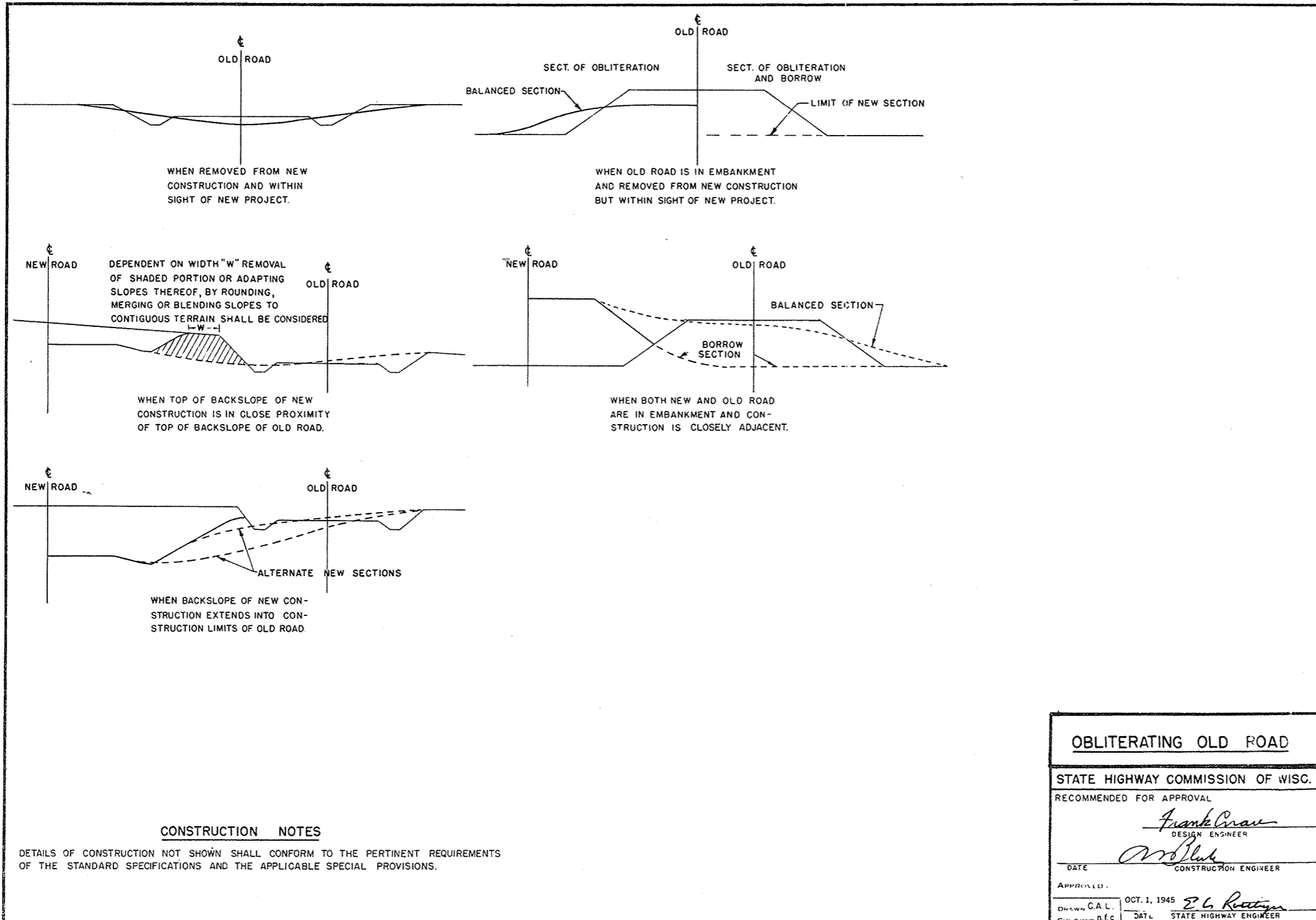
*Frank C. ...*  
 DESIGN ENGINEER

*M. Bluk*  
 CONSTRUCTION ENGINEER

DATE: \_\_\_\_\_

APPROVED: OCT. 1, 1945

DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 STATE HIGHWAY ENGINEER



**CONSTRUCTION NOTES**

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

**OBLITERATING OLD ROAD**

STATE HIGHWAY COMMISSION OF WISC.

RECOMMENDED FOR APPROVAL

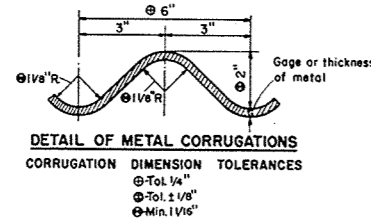
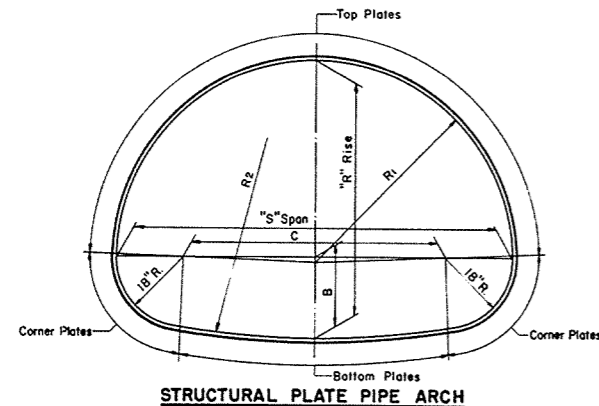
*Frank Crav*  
DESIGN ENGINEER

*W. Bluh*  
CONSTRUCTION ENGINEER

DATE: OCT. 1, 1945

APPROVED: *E. L. Reitzinger*  
STATE HIGHWAY ENGINEER





**GENERAL NOTES**

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2412 and 3116 and the applicable Special Provisions.

**TOLERANCES**

Pipe Arch size dimensions are subject to manufacturing tolerances and the ratio of rise (R) to span (S) shall not exceed a tolerance of 5% plus or minus.

Metal corrugation dimension tolerances shall not exceed pertinent dimensions shown elsewhere on this drawing.

**EMBANKMENT—Minimum for C Culverts**

For Flexible Type Pavement, the minimum depth of embankment or cover over top of Pipe Arch (finished construction) shall be "S/10 or 1'-0" minimum.

For Rigid Type Pavement, the minimum depth of embankment over top of Pipe Arch shall be "S/4 or a minimum of 6" cushion between pipe and pavement.

**EMBANKMENT—Maximum for C Culverts**

The maximum depth of embankment shall be 15 feet (finished construction).

Adequate cover protection for Pipe Arches shall be provided at all times during construction operations to preclude any damage to structures.

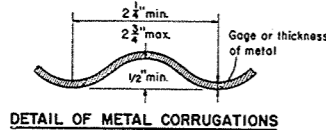
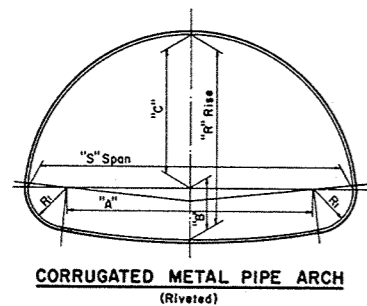
Strutting of Pipe Arches will not be required during construction unless specifically called for on the plans or the applicable Special Provisions.

**TABLE OF PROPERTIES**  
**STRUCTURAL PLATE PIPE ARCH**

SPAN Nominal Size	Dimensions taken from inside crests of corrugations							Table of Metal Gages—Minimum Acceptable																
	Fabricators Size Min. Acceptable "S" Span—"R" Rise	R/S Ratio	Area Sq.Ft.	B In.	C In.	R <sub>i</sub> In.	R <sub>e</sub> In.	H-20 LOADING Depth of Embankment in Feet																
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
6 Feet	6'-1" x 4'-7"	.75	22	21.0	37.0	36.7	76.4	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	10	10
7 "	7'-0" x 5'-1"	.73	28	21.4	48.0	42.3	104.5	10	12	12	12	12	12	12	12	12	12	12	12	12	12	10	10	10
8 "	7'-11" x 5'-7"	.70	35	21.7	59.0	47.7	138.4	10	10	10	12	12	12	12	12	12	12	12	12	10	10	10	10	10
9 "	8'-10" x 6'-1"	.69	43	21.8	70.0	53.0	179.2	10	10	10	10	10	10	10	10	10	10	10	10	8	8	8	8	8
10 "	9'-9" x 6'-7"	.67	52	21.9	81.0	58.3	228.0	8	8	10	10	10	10	10	10	10	10	10	8	8	8	7	7	7
11 "	10'-11" x 7'-1"	.65	61	25.1	95.0	65.8	180.8	8	8	8	10	10	10	10	10	8	8	8	7	7	5	5	5	5
12 "	11'-10" x 7'-7"	.64	71	25.2	106.0	71.1	217.0	7	8	8	8	8	8	8	8	8	8	7	7	5	5	3	3	3
13 "	12'-10" x 8'-4"	.63	85	24.0	118.0	77.2	315.2	5	7	8	8	8	8	8	8	7	7	5	5	3	3	1	1	1
14 "	13'-11" x 8'-7"	.62	93	28.9	131.0	84.4	220.8	5	5	7	7	8	8	8	7	7	5	5	3	3	1	1	1	1
15 "	14'-10" x 9'-1"	.61	105	28.9	142.0	89.5	254.9	3	5	5	7	7	7	7	5	3	3	1	1	1	1	1	1	1
16 "	15'-10" x 9'-10"	.62	122	27.4	154.0	95.4	339.1	1	3	5	5	7	7	5	3	3	1	1	1	1	1	1	1	1
16.5 "	16'-7" x 10'-1"	.61	131	28.7	163.0	99.8	333.8	1	3	3	5	5	5	3	1	1	1	1	1	1	1	1	1	1

Note: For sizes of Structural Plate Pipe Arch between those shown in the table, the gage shall be interpolated (based on table data) where possible; otherwise the gage of the next larger size shown in the table shall be used.

**STRUCTURAL PLATE PIPE ARCH**



**GENERAL NOTES**

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2411 and 3116 and the applicable Special Provisions.

**TOLERANCES**

Tolerance from the dimensions detailing size and shape will be permissible providing equivalent capacity and strength are attained.

**EMBANKMENT—Minimum for C Culverts**

For Flexible Type Pavement, the minimum depth of embankment or cover over top of Pipe Arch (finished construction) shall be "S/10 or 9" minimum.

For Rigid Type Pavement, the minimum depth of embankment over top of Pipe Arch shall be "S/4 or a minimum of 3" cushion between pipe and pavement.

**EMBANKMENT—Maximum for C Culverts**

The maximum depth of embankment shall be 10 feet (finished construction).

Adequate cover protection for Pipe Arches shall be provided at all times during construction operations to preclude any damage to structures.

**TABLE OF DIMENSIONS**  
**CORRUGATED METAL PIPE ARCH**

Gage (Min. Accept- able)	CORRUGATED METAL PIPE ARCH								Round Pipe of Approx. Equal Periphery	
	"S" Span Inches	"R" Rise Inches	"A" Inches	"B" Inches	"C" Inches	R <sub>i</sub> Inches	R/S Ratio	Area Sq.Ft.	Area Sq.Ft.	Diam. Inches
16	18	11	10	4 1/2	6 1/2	3 1/2	.61	1.1	1.23	15
16	22	13	14	4 3/4	8 1/4	4	.59	1.6	1.77	18
16	25	16	17	5 1/4	10 3/4	4	.64	2.2	2.41	21
14	29	18	20	5 1/2	12 1/2	4 1/2	.62	2.8	3.14	24
14	36	22	26	6 1/4	15 3/4	5	.61	4.4	4.91	30
12	43	27	32	7	20	5 1/2	.63	6.4	7.07	36
12	50	31	38	8	23	6	.62	8.7	9.62	42
12	58	36	44	9 1/4	26 3/4	7	.62	1.4	12.57	48
12	65	40	49	10 1/2	29 1/2	8	.62	4.3	15.90	54
10	72	44	54	11 3/4	32 1/4	9	.61	7.6	19.64	60

NOTE: All Dimensions measured from inside crest of corrugations.

**CORRUGATED METAL PIPE ARCH**

**STRUCTURAL PLATE PIPE ARCH**  
**CORRUGATED METAL PIPE ARCH**

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

5-27-57  
DATE

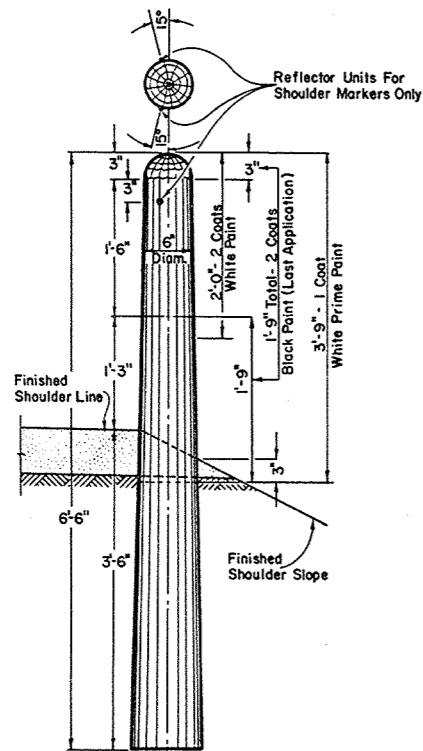
APPROVED:

5/28/57  
DATE

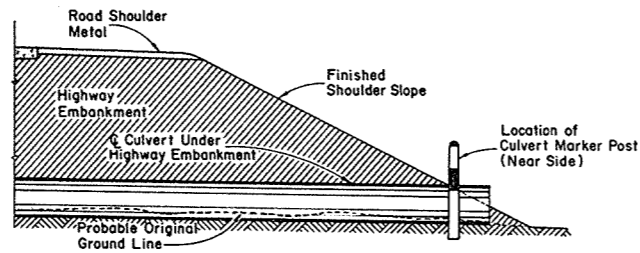
J. J. Pelt  
ENGINEER OF DESIGN

E. C. Rustigan  
STATE HIGHWAY ENGINEER

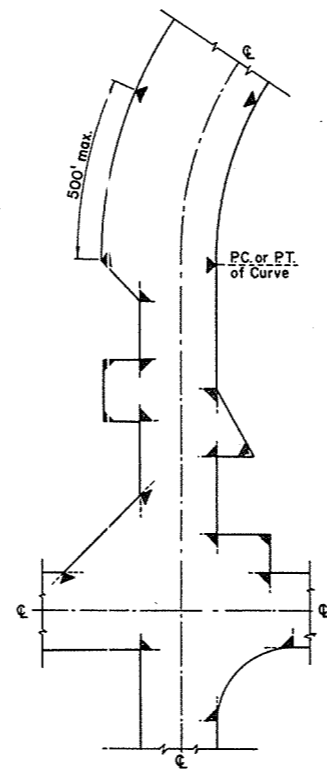
PLATE NO. 6-5.3.1



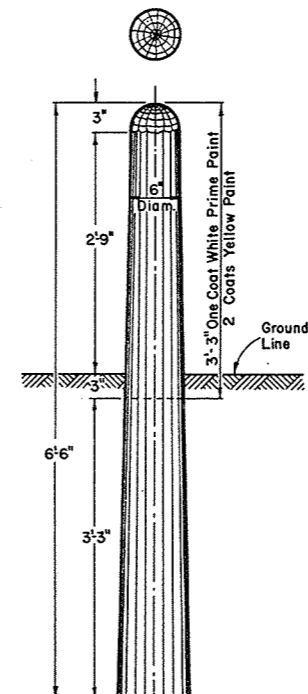
MARKER POST FOR ROAD SHOULDERS AND CULVERTS



SECTION SHOWING RELATIVE LOCATION OF MARKER POST FOR CULVERTS

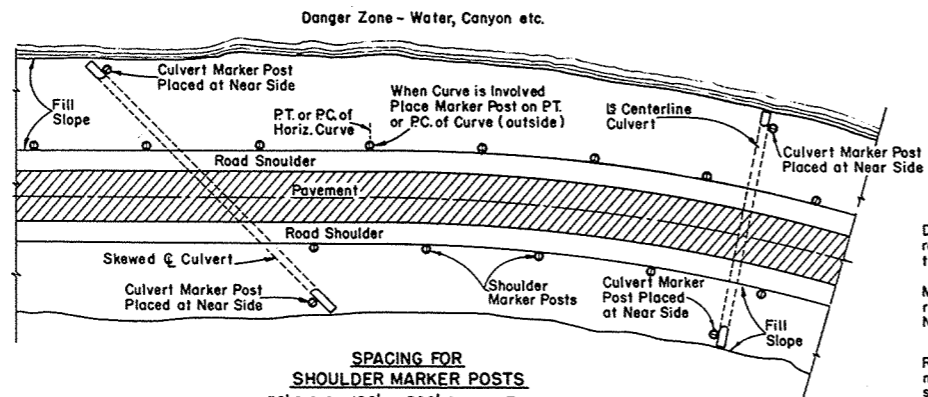


LOCATION DIAGRAM SHOWING TYPICAL LOCATIONS OF MARKER POSTS FOR RIGHT OF WAY



MARKER POST 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 AND CULVERT MARKER POSTS

MARKER POSTS FOR ROAD SHOULDERS AND CULVERTS

**GENERAL NOTES:**

Details of Construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications Sections 2523, 4124 and 4125 and the applicable Special Provisions.

All posts for Road Shoulder Markers, Culvert Markers and Right of Way Markers are identical except for Painting and Reflector Units. All Posts shall be round and untreated and shall be either Northern White Cedar, Southern Yellow Pine, Norway Pine, White Pine or Jack Pine.

**MARKER POSTS FOR RIGHT OF WAY**

Right of Way Marker Posts shall be erected in advance of Grading Operations. Posts may be shaped and painted prior to erection. Any damaged areas occurring to point surface during erection or other subsequent operations must be repainted prior to acceptance.

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 shall be staked in the field by the Engineer.

Reflector Units for Right of Way Marker Posts will not be required.

**REFLECTOR UNITS**

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. Reflector Units shall be installed in Road Shoulder Marker Posts only.

**BID ITEMS**

No. 2523-5 Marker Posts.....Each  
No. 2523-6 Marker Posts for Right of Way.....Each

**MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY**

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL

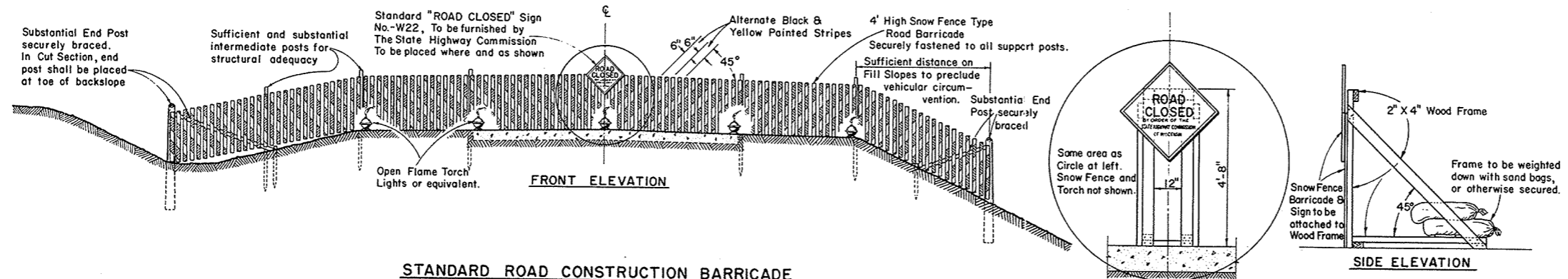
5/16/57  
DATE

J. P. Pelt  
ENGINEER OF DESIGN

APPROVED:

5/16/57  
DATE

E. L. Rottiers  
STATE HIGHWAY ENGINEER



**STANDARD ROAD CONSTRUCTION BARRICADE**  
**SNOW FENCE TYPE-"A"**

**WOOD FRAME SUPPORT AT  $\phi$**   
**FOR SNOWFENCE TYPE BARRICADE**  
**When Barricade is Erected on Rigid Type Surfacing**

**GENERAL NOTES**

The Contractor shall construct, place and maintain barricades as shown on this drawing and as required by the Standard Specifications Section 1107 for the duration of the project. Barricades shall be painted and structurally maintained for maximum visibility at all times.  
 Provision shall be made in the construction of barricades to provide for ingress and egress for local access as may be required.

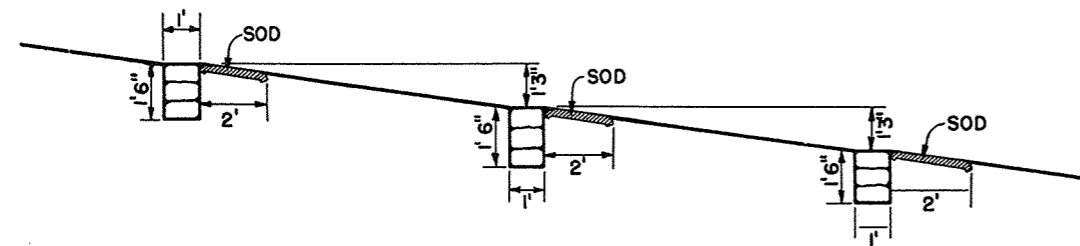
**ALTERNATE DESIGNS**

Contractors may submit to the Engineer for approval, designs for Barricades other than shown on this drawing, and upon the Engineer's approval may be used as alternates.

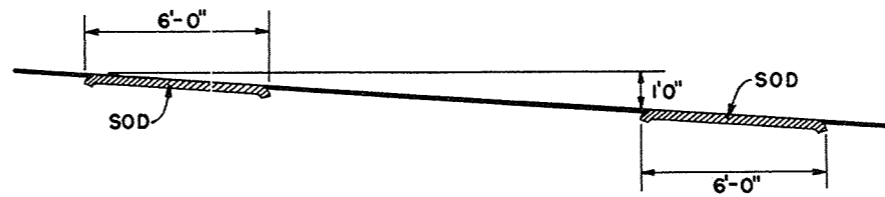
**MEASUREMENT & PAYMENT**

All Barricades, unless otherwise provided for in the Plans and/or Special Provisions shall be furnished, placed, and maintained as noted above, and no additional compensation will be allowed but shall be construed to be included in the price bid for other items.

<b>CONSTRUCTION BARRICADE</b>	
STATE HIGHWAY COMMISSION OF WISCONSIN	
RECOMMENDED FOR APPROVAL:	
6/2/55 DATE	<i>J. S. Pelt</i> ENGINEER OF DESIGN
APPROVED:	
6/2/55 DATE	<i>E. C. Ruetimann</i> STATE HIGHWAY ENGINEER

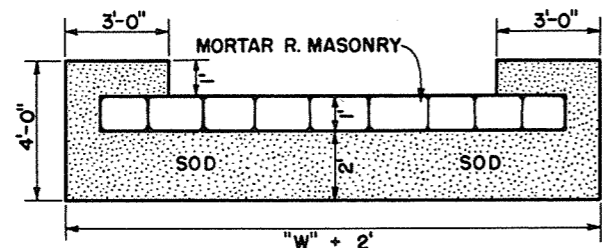


PROFILE OF DITCH GRADE

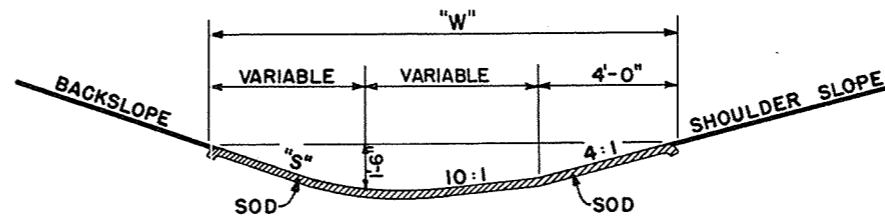


PROFILE OF DITCH GRADE

NOTE: NUMBER REQUIRED WILL BE DETERMINED BY VERTICAL SPACING.



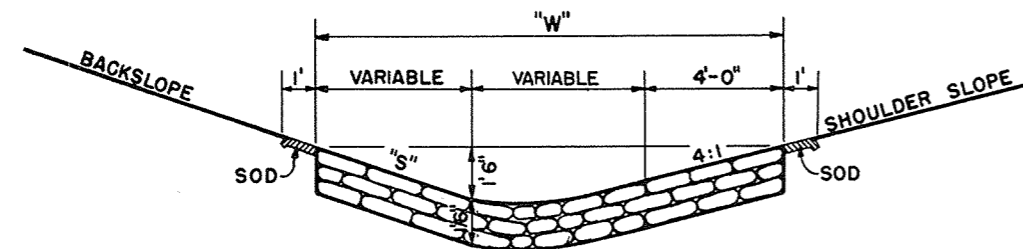
PLAN VIEW SHOWING SOD



SECTION

SOD DITCH CHECKS

QUANTITIES		
"S"	"W"	EACH SQ. YD.
2:1	12'	8
3:1	13.5'	9
4:1	15'	10



SECTION

MORTAR RUBBLE MASONRY

QUANTITIES			
"S"	"W"	SOD SQ. YD.	EACH CU. YD.
2:1	12'	4.0	0.67
3:1	13.5'	4.33	0.75
4:1	15'	4.67	0.83

CONSTRUCTION NOTES

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

DITCH CHECKS

MORTAR RUBBLE MASONRY & SOD

STATE HIGHWAY COMMISSION OF WISC.

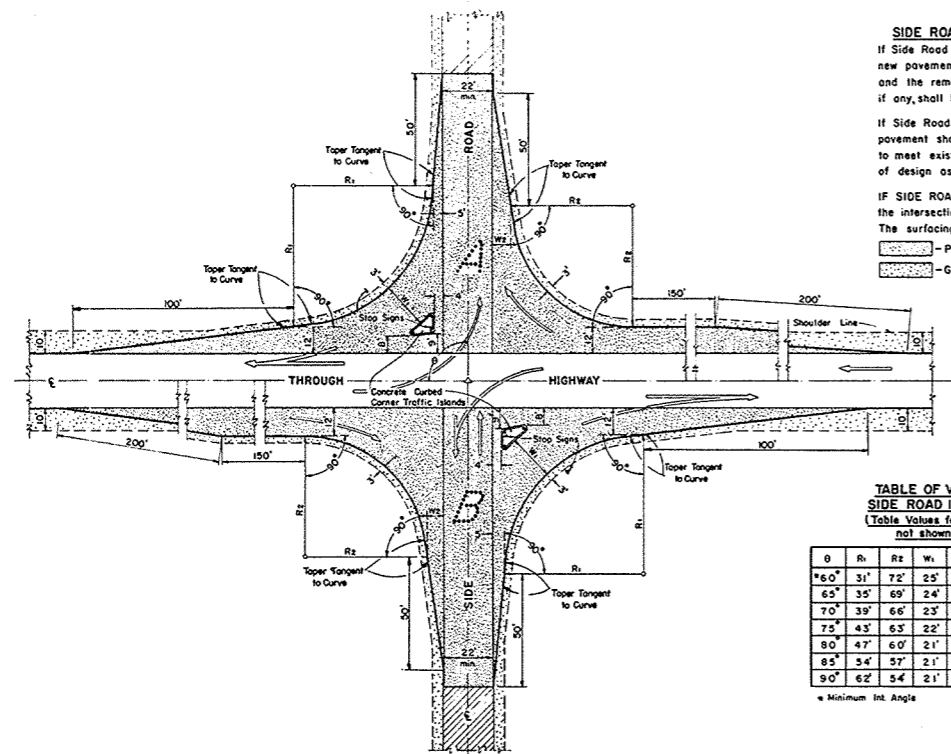
RECOMMENDED FOR APPROVAL:

*Frank Crase*  
DESIGN ENGINEER

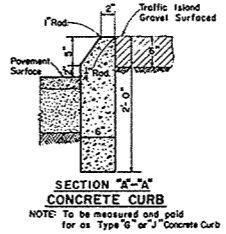
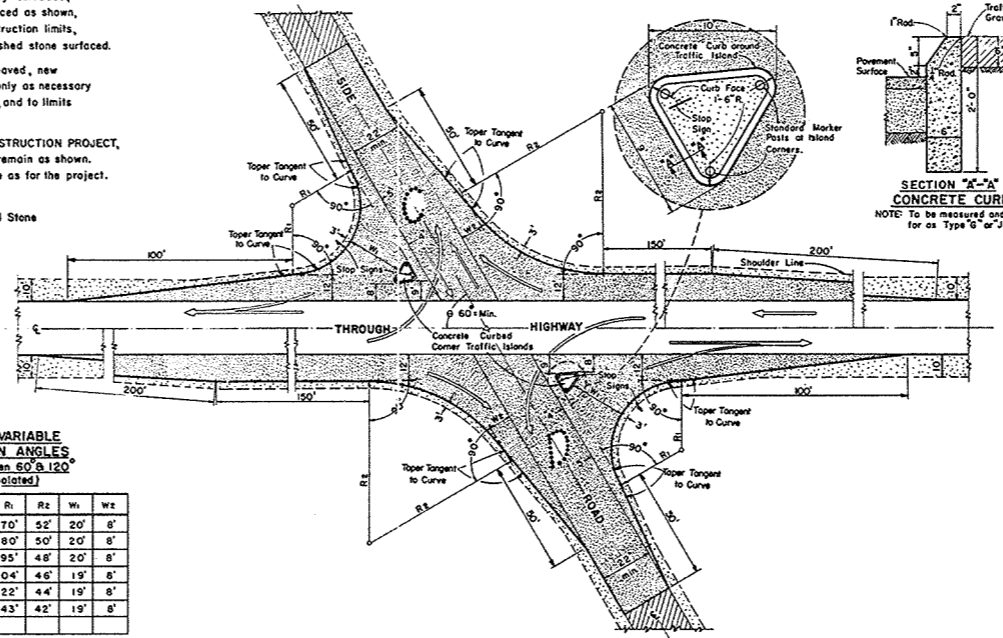
*Bob [Signature]*  
CONSTRUCTION ENGINEER

DATE:  
APPROVED:  
DRAWN DIV 9  
CHECKED N.F.C.

*E.L. Rottig*  
STATE HIGHWAY ENGINEER



**SIDE ROAD SURFACING NOTE**  
 If Side Road is not presently surfaced, new pavement shall be placed as shown, and the remainder to construction limits, if any, shall be gravel or crushed stone surfaced.  
 If Side Road is presently paved, new pavement shall be placed only as necessary to meet existing pavement, and to limits of design as shown.  
 IF SIDE ROAD IS THE CONSTRUCTION PROJECT, the intersection geometrics remain as shown. The surfacing shall be same as for the project.  
 - Pavement  
 - Gravel or Crushed Stone

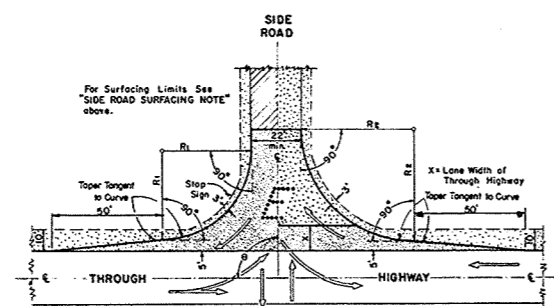


**TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES**  
 (Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R <sub>1</sub>	R <sub>2</sub>	W <sub>1</sub>	W <sub>2</sub>	θ	R <sub>1</sub>	R <sub>2</sub>	W <sub>1</sub>	W <sub>2</sub>
*60°	31'	72'	25'	10'	95°	70'	52'	20'	8'
65°	35'	69'	24'	9'	100°	80'	50'	20'	8'
70°	39'	66'	23'	8'	105°	95'	48'	20'	8'
75°	43'	63'	22'	8'	110°	104'	46'	19'	8'
80°	47'	60'	21'	8'	115°	122'	44'	19'	8'
85°	54'	57'	21'	8'	**120°	143'	42'	19'	8'
90°	62'	54'	21'	8'					

\* Minimum Int. Angle      \*\* Maximum Int. Angle

**MAJOR SIDE ROAD INTERSECTION DESIGN DETAILS**  
 To be used only when current ADT on Through Highway is 1500 or over, and on Side Road is Over 200



**TABLE OF VALUES FOR VARIABLE SIDE ROAD INTERSECTION ANGLES**  
 (Table Values for Angles between 60° & 120° not shown shall be interpolated)

θ	R <sub>1</sub>	R <sub>2</sub>	θ	R <sub>1</sub>	R <sub>2</sub>
*60°	40'	50'	95°	45'	49'
65°	40'	50'	100°	50'	48'
70°	40'	50'	105°	55'	47'
75°	40'	50'	110°	60'	46'
80°	40'	50'	115°	65'	45'
85°	40'	50'	**120°	70'	44'
90°	40'	50'			

\* Minimum Int. Angle      \*\* Maximum Int. Angle

**MINOR SIDE ROAD INTERSECTION DESIGN DETAILS**  
 To be used when current ADT on Through Highway is Less than 1500 or on Side Road is Less than 200

**GENERAL NOTES**  
 Designs "A", "B", "C", "D", or "E" may be used interchangeably in combination or separately for any one complete intersection depending upon Traffic Volume, Intersection angle and Surfacing of each approach roadway.

Details on this drawing are for Minimum Design Only, and not applicable to Special Conditions, as shown elsewhere on the plans.

**DESIGN & LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS (RURAL IN CHARACTER)**

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL  
 DATE: 1/17/58  
 APPROVED: [Signature]  
 DATE: 1/17/58  
 APPROVED: [Signature]

# ESTIMATE OF QUANTITIES

CONTRACT NO. 182

PROJECT	SHEET NUMBER	TOTAL SHEETS
S 0737(3)	2	34

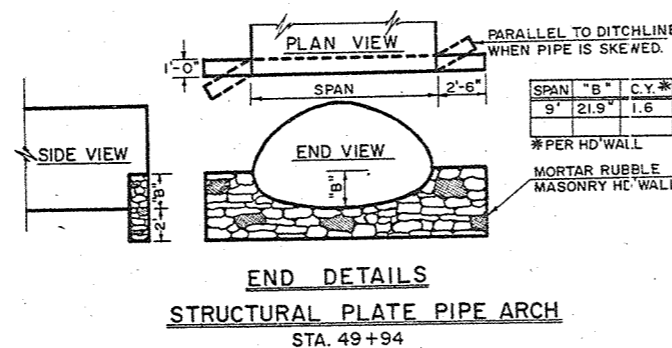
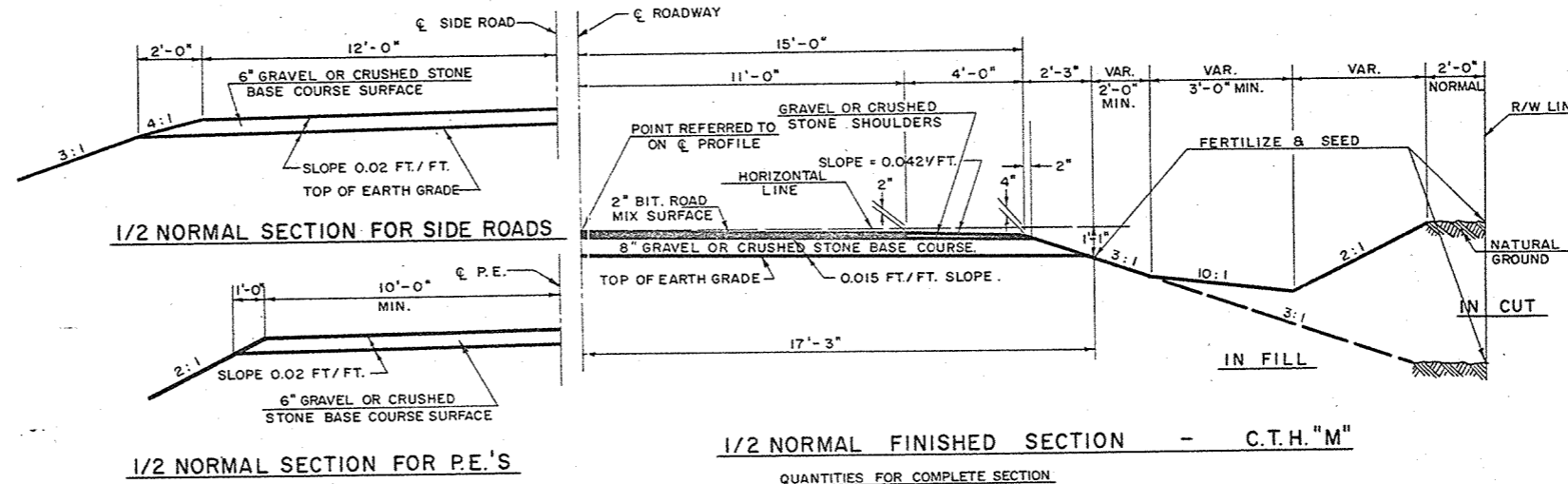
THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN - EDITION OF 1957 APPROVED AUGUST 9, 1957, AND THE SPECIAL PROVISIONS AS ATTACHED TO PROPOSAL.

CONTRACT NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		GRUBBING			EXCAVATION			OBLITERATING OLD ROAD	GRAVEL OR CRUSHED STONE		CULVERT PIPE				MORTAR RUBBLE DITCH CHECKS	GUARD FENCE			MARKER POSTS FOR R/W	FINISHING ROADWAY	MORTAR RUBBLE MASONRY	BITUM. MAT'L. FOR PRIME COAT	BITUM. ROAD MIX SURF-ACE	AGGREG. FOR BITUM. ROAD MIX SURFACE	BITUM. MAT'L. FOR SURFACE COURSE	TOPSOIL		FER-TIL-IZER	SEEDING											
			2101-1	2101-2	2101-4	2101-5	2106-5	2109-1	2106-4	2116-1		2203-1	2203-1	2411-1	2411-2	2411-3	2412-2		2516-3	2523-	2523-								2523-5	2523-6			2114-1	2409-2	2311-1	2313-1	2313-2	2313-3	2525-1	2528-1	2528-2	2531-1	2532-1
			UNIT	LIN. FT.	STA.	I.D.	STA.	I.D.	C.Y.	C.Y.		C.Y.	STA.	TON	TON	LIN. FT.	LIN. FT.		LIN. FT.	LIN. FT.	LIN. FT.								C.Y.	LIN. FT.			EACH	EACH	L.S.	C.Y.	GAL.	S.Y.	TON	GAL.	TON	SQ. YD.	SQ. YD.
1	10+272 - 255+00	20,154.23	67	1592	65	1564	45,910	18,095	134	8.4		1775	980	884	112	66	120					100	1	3.2				8,250	50,100		70,200			27		92	102,000						
2	10+272 - 255+00	20,154.23										35,700																															
<b>TOTALS:</b>		20,154.23	67	1592	65	1564	45,910	18,095	134	8.4		35,700	1775	980	884	112	66	120				100	1	3.2				8,250	50,100	7,800	70,200			27		92	102,000						

CLEARING & GRUBBING				
STATION TO STATION	CLEARING		GRUBBING	
	STA.	I.D.	STA.	I.D.
10+272 - 11+00		*		*
11+00 - 14+00	3		3	
14+00 - 17+00		*		*
17+00 - 19+00	2		2	
19+00 - 20+00		*		*
20+00 - 22+00	2		2	
22+00 - 32+00		86		86
32+00 - 37+00	5		5	
37+00 - 39+00		66		66
39+00 - 41+00	2		0	
41+00 - 43+00		28		0
43+00 - 47+00	4		4	
47+00 - 57+00		134		134
57+00 - 59+00	2		2	
59+00 - 60+00		18		18
60+00 - 62+00	2		2	
62+00 - 64+00		74		74
64+00 - 68+00	4		4	
68+00 - 69+00		16		16
69+00 - 70+00	1		1	
70+00 - 71+00		24		24
71+00 - 74+00	3		3	
74+00 - 79+00		62		62
79+00 - 80+00	1		1	
80+00 - 86+00		160		160
86+00 - 91+00	5		5	
91+00 - 130+00		202		202
130+00 - 131+00	1		1	
131+00 - 133+00		8		8
133+00 - 138+00	5		5	
138+00 - 141+00		80		80
141+00 - 144+00	3		3	
144+00 - 160+00		318		318
160+00 - 174+00	14		14	
174+00 - 190+00		216		216
190+00 - 191+00	1		1	
191+00 - 192+00		12		12
192+00 - 193+00	1		1	
193+00 - 206+00		60		60
206+00 - 253+00	4		4	
253+00 - 255+00		18		18
*A LINE 10+00-11+00		10		10
*A LINE 11+00-13+00	2		2	

\* INDICATES BASIS OF PAYMENT

MARKER POSTS	
LOCATION	NO.
☉ & SD. RD. CULVERTS	40
SHOULDER DELINEATION (UNDIST.)	60
<b>TOTAL:</b>	<b>100</b>



CULVERT PIPES				
STATION	LOCATION	DIA. INCH	LIN. FT.	TYPE
13+57	☉	24	50	C.P.
20+27	☉	24	50	C.P.
41+45	☉	24	80	C.P.
42+60	☉	24	68	C.P.
49+94	☉	9" SPAN	66	S.P.P.A.
77+04	☉	24	54	C.P.
81+68	☉	30	58	C.P.
98+25	☉	24	50	C.P.
104+04	☉	24	56	C.P.
105+58	SD. RD. RT.	18	52	CM.CP.
118+70	☉	24	56	C.P.
129+41	☉	24	52	C.P.
133+40	☉	24	54	C.P.
140+74	☉	24	58	C.P.
144+86	☉	24	52	C.P.
166+50	☉	24	50	C.P.
177+04	☉	30	54	C.P.
183+50	☉	24	50	C.P.
184+60	☉	24	52	C.P.
193+98	☉	24	52	C.P.
29 P.E.'S	LT. & RT.	18	928	CM.CP.

GRAVEL OR CRUSHED STONE BASE COURSE	
LOCATION	TONS
MAIN LINE	32,350
P.E.'S & SIDE ROADS	1,575
SHOULDERS	1,775
<b>TOTAL:</b>	<b>35,700</b>

TYPICAL CROSS SECTION  
FOR  
30 FT. ROADBED - 22 FT. BIT. PAV'T.  
AND  
MISCELLANEOUS CONST. DETAILS  
VARIABLE SCALE:

**GENERAL NOTES**

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

WHEN THE QUANTITY OF THE ITEMS OF SUBBASE, BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL DIRECTED BY THE ENGINEER.

ON ALL HORIZONTAL CURVES THE NORMAL CROWN SHALL BE REMOVED AND THE PAVEMENT SURFACE, BASE COURSE, AND EARTH GRADE SHALL RESULT IN A STRAIGHT LINE SLOPE ACROSS THE ENTIRE WIDTH OF ROADBED.

**APPROVED STANDARD DRAWINGS**

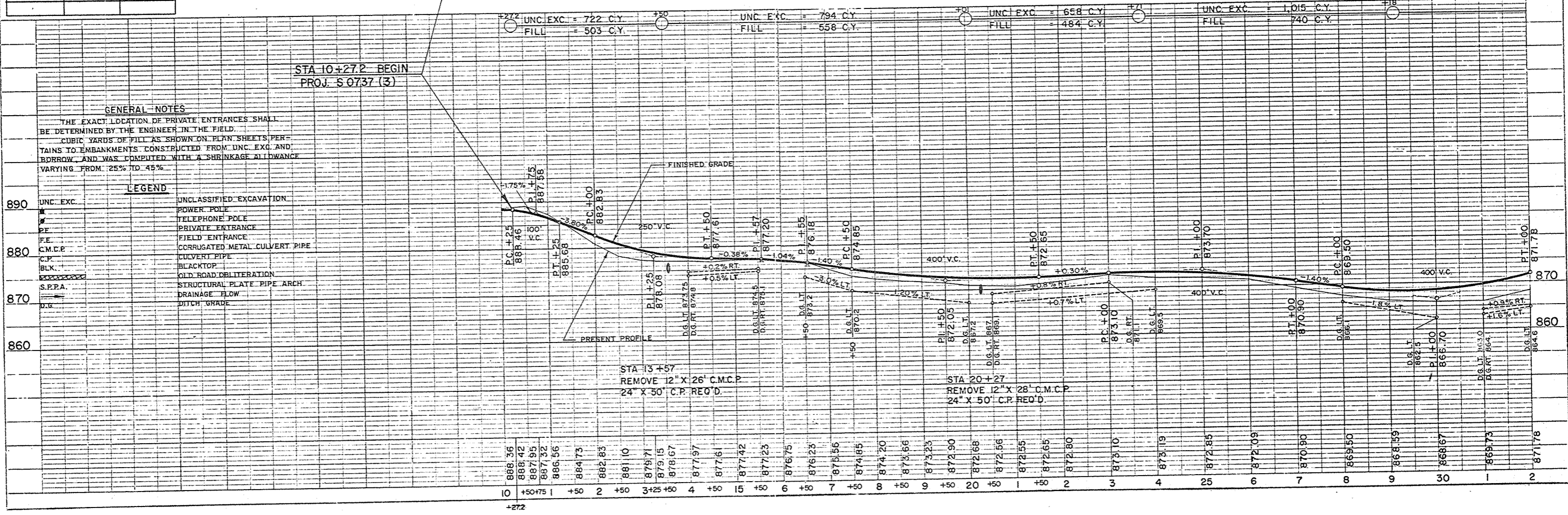
MARSH EXCAVATION	1-1.1.2
DETAILS OF P.E. & SD. RD. APPR.	1-3.1.1
OBLITERATING OLD ROAD	1-4.1.1
MARKER POSTS	7-1.3.3
CONSTRUCTION BARRICADE	7-4.1.2
DITCH CHECKS	8-1.3.1
DESIGN & LAYOUT FOR SD. RD. INT.	9-1.1.3
STRUCTURAL PLATE PIPE ARCH	6-5.3.1



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
G94	USCGS	UNDER WINDOW OF LUMBER CO.	874.81
1	11+09	TOP BOLT S.E. COR. CONC. PORCH 62' LT.	888.36
2	16+60	SPIKE IN 36" ELM 50' RT.	877.44
3	18+35	PT. MK. S. COR. BOT. CON STEP 40' RT.	874.45
4	27+69	PT. MK. S.E. COR. CONC. SLAB 55' LT.	868.44

STA 10+00 C.T.H. "M" SURV. =  
 STA. 95+82.70 STH 44 SURV.  
 PROJ. F 073-1 (2)

NET LENGTH OF CENTERLINE.		
STATION TO STATION	LINE FT.	
10+27.2	30+00	1,937.41



**GENERAL NOTES**

THE EXACT LOCATION OF PRIVATE ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.  
 CUBIC YARDS OF FILL AS SHOWN ON PLAN SHEETS PERTAINS TO EMBANKMENTS CONSTRUCTED FROM UNC. EXC. AND BORROW AND WAS COMPUTED WITH A SHRINKAGE ALLOWANCE VARYING FROM .25% TO .45%.

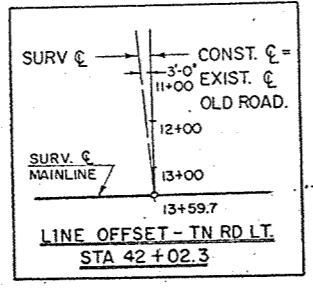
**LEGEND**

- UNC. EXC. UNCLASSIFIED EXCAVATION
- POWER POLE TELEPHONE POLE
- PRIVATE ENTRANCE
- FIELD ENTRANCE
- C.M.C.P. CORRUGATED METAL CULVERT PIPE
- C.P. CULVERT PIPE
- BLK. BLACKTOP
- S.P.P.A. OLD ROAD OBLITERATION
- D.G. STRUCTURAL PLATE PIPE ARCH
- DRAINAGE FLOW
- DITCH GRADE

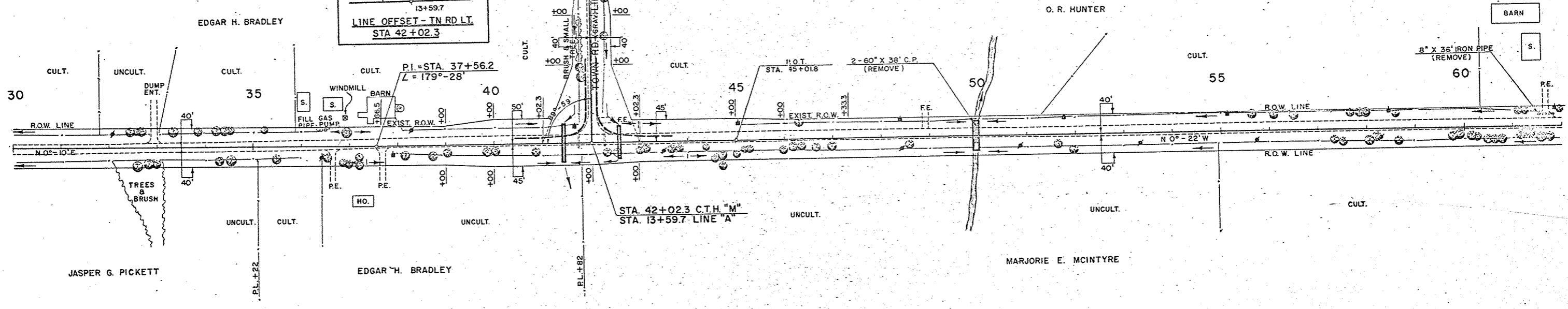
DATE: 10-60, 11-61, 1-62, 2-61  
 BY: C.E.S., C.P.H.L., W.F.S.  
 CHECKED: W.F.S.  
 PLANNED: W.F.S.  
 NOTE BOOK NO. 323  
 DATE OF WAY CHECKED: 2-61

DATE: 10-60, 11-61, 1-62, 2-61  
 BY: C.E.S., C.P.H.L., W.F.S.  
 CHECKED: W.F.S.  
 PLANNED: W.F.S.  
 NOTE BOOK NO. 324  
 DATE OF WAY CHECKED: 2-61

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
5	35+10	SPIKE IN 24" OAK	75' RT. 873.02
6	41+79	" " 16" "	125' LT. 866.21
7	44+78	" " 24" "	55' RT. 864.20
8	52+32	" " 30" "	150' RT. 849.08



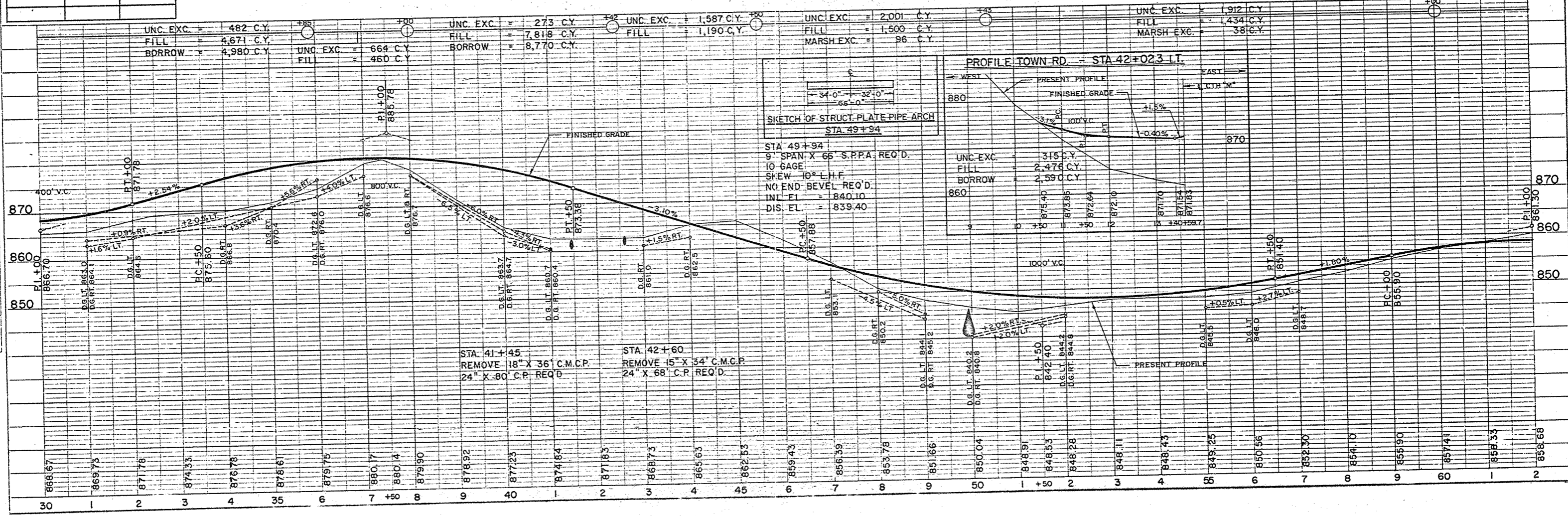
DATE: JUL 60  
 PLANNED: L-60  
 CHECKED: J.L.S.  
 SURVEYED: W.F.S.  
 NOTE BOOK NO. 323  
 PLAN



NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
30+00	60+00	3000.0

UNC. EXC. = 482 C.Y.	FILL = 4,671 C.Y.	BORROW = 4,980 C.Y.	UNC. EXC. = 273 C.Y.	FILL = 7,818 C.Y.	BORROW = 8,770 C.Y.	UNC. EXC. = 1,587 C.Y.	FILL = 1,190 C.Y.	UNC. EXC. = 2,001 C.Y.	FILL = 1,500 C.Y.	MARSH EXC. = 96 C.Y.	UNC. EXC. = 1,912 C.Y.	FILL = 1,434 C.Y.	MARSH EXC. = 38 C.Y.
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DATE: JUL 60  
 PROFILE: L-60  
 CHECKED: J.L.S.  
 SURVEYED: W.F.S.  
 NOTE BOOK NO. 324  
 PROFILE



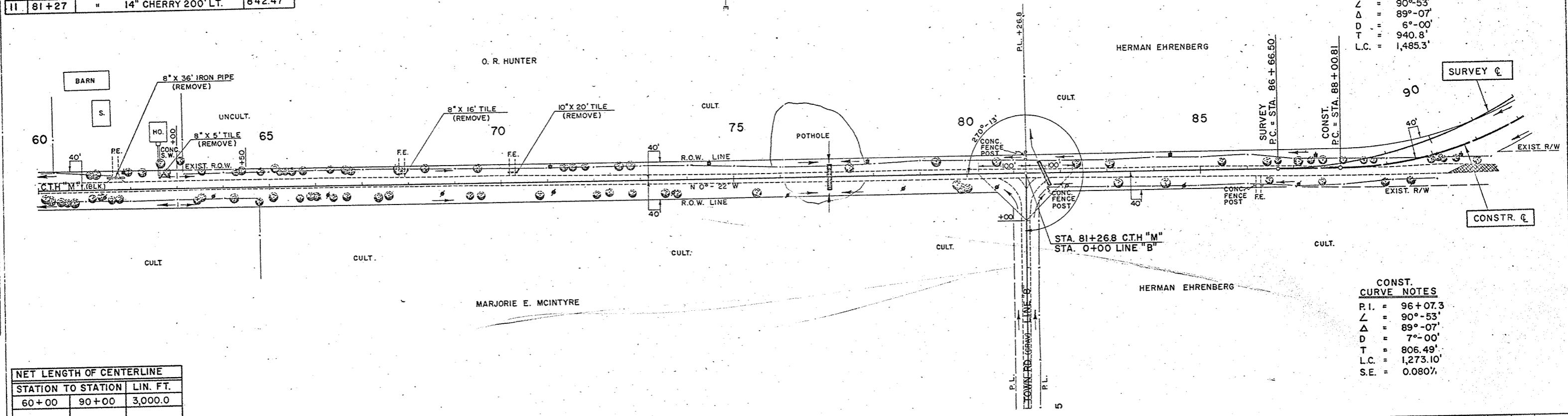


BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
9	63+28	SPIKE IN 38" MAPLE 100' LT.	862.96
10	69+29	" 26" " 27' RT.	846.86
11	81+27	" 14" CHERRY 200' LT.	842.47

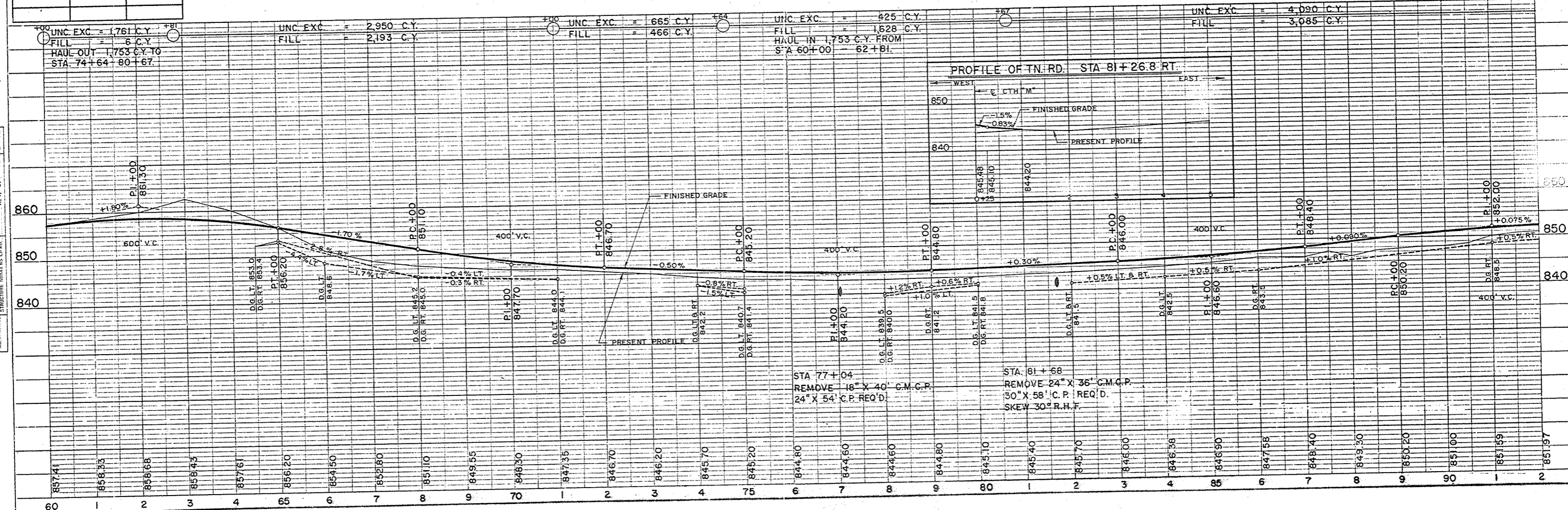
SURVEY CURVE NOTES  
 P.I. = 96+07.3  
 L = 90°-53'  
 Δ = 89°-07'  
 D = 6°-00'  
 T = 940.8'  
 L.C. = 1,485.3'

CONST. CURVE NOTES  
 P.I. = 96+07.3  
 L = 90°-53'  
 Δ = 89°-07'  
 D = 7°-00'  
 T = 806.49'  
 L.C. = 1,273.10'  
 S.E. = 0.080%

DATE: 10-11-60  
 SURVEYED BY: S. J. J.  
 CHECKED BY: W. E. S.  
 PLAN NO. 323



NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
60+00	90+00	3,000.0



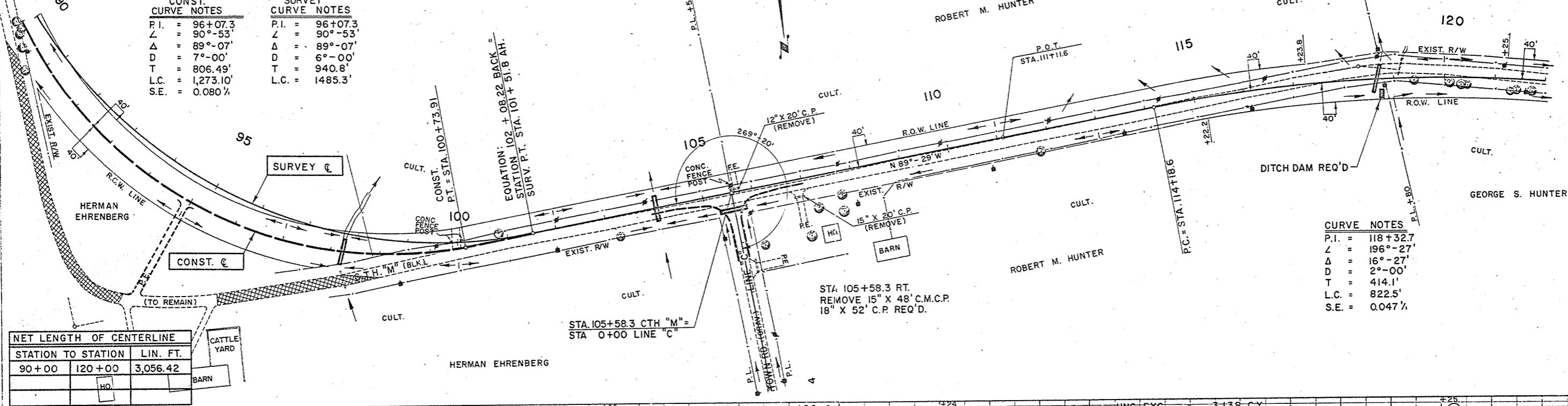
DATE: 10-11-60  
 SURVEYED BY: S. J. J.  
 CHECKED BY: W. E. S.  
 PROFILE NO. 324

STA 77+04  
 REMOVE 18" X 40" C.M.C.P.  
 24" X 54" C.P. REQ'D.

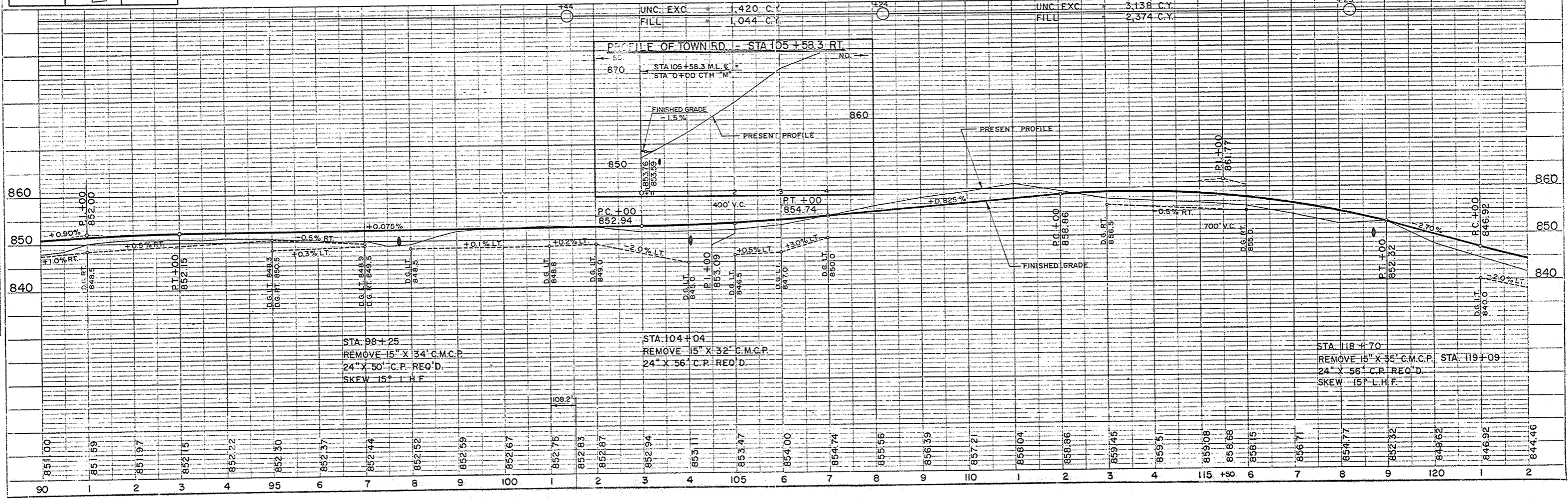
STA 81+68  
 REMOVE 24" X 36" C.M.C.P.  
 30" X 58" C.P. REQ'D.  
 SKEW 30° R.H.F.

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
12	92+20	SPIKE IN 16" MAPLE	200' RT. 852.28
13	95+78	" " 18" B.E.	265' RT. 859.39
14	103+20	" " 30" OAK	32' RT. 854.52
15	107+15	PT. MK. SE. COR. CONC. STEP 90 RT.	863.51
16	111+18	SPIKE IN 16" OAK	40' RT. 866.26
17	119+36	" " 14" "	6' RT. 855.17

CONST. CURVE NOTES		SURVEY CURVE NOTES	
P.I.	= 96+07.3	P.I.	= 96+07.3
Δ	= 90°-53'	Δ	= 90°-53'
D	= 89°-07'	D	= 89°-07'
T	= 7°-00'	T	= 6°-00'
L.C.	= 806.49'	L.C.	= 940.8'
S.E.	= 0.080%	S.E.	= 1485.3'



NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
90+00	120+00	3,056.42



DATE: 10-60  
 11-60  
 1-61  
 2-61

BY: C. E. S.  
 P. H. K.  
 W. F. S.

PLAN: NOTE BOOK NO. 323

DATE: 10-60  
 11-60  
 1-61  
 2-61

BY: C. E. S.  
 P. H. K.  
 W. F. S.

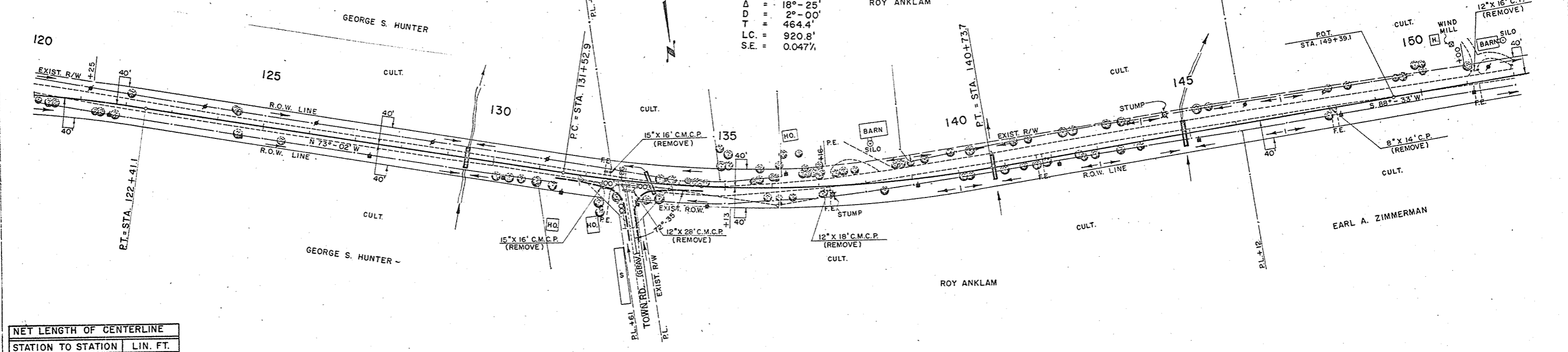
PROFILE: NOTE BOOK NO. 324



BENCH MARKS				
NO.	STATION	DESCRIPTION		ELEV.
18	125+35	SPIKE IN 18" OAK	25' RT.	839.43
19	132+40	" " 20" CEDAR	70' RT.	844.86
20	136+70	" " 14" MAPLE	64' LT.	851.99
21	145+21	" " 15" "	42' LT.	859.51
22	151+10	" " 22" B.E.	38' LT.	861.39

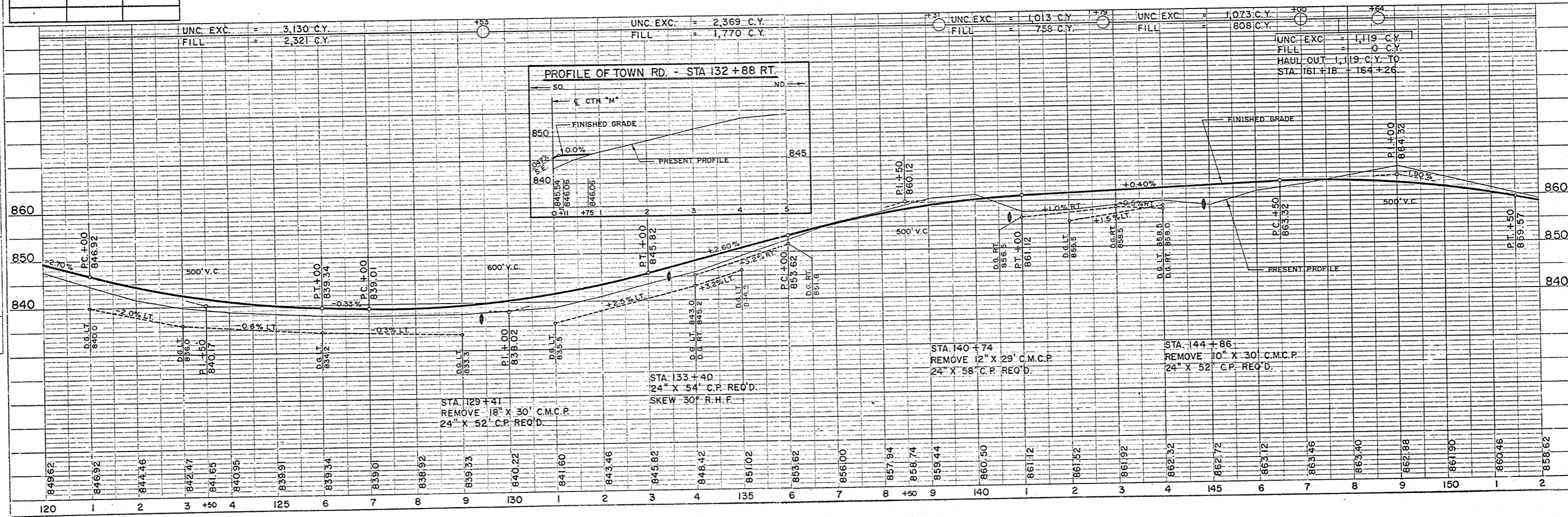
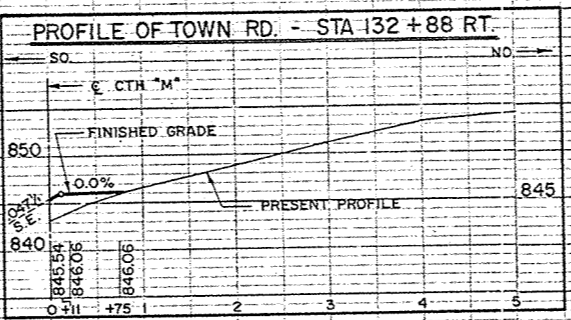
**CURVE NOTES**  
 P.I. = 136+17.3  
 L = 161°-35'  
 Δ = 18°-25'  
 D = 2°-00'  
 T = 464.4'  
 L.C. = 920.8'  
 S.E. = 0.047%

DATE: 01-60  
 11-60  
 2-61  
 BY: S. L. J.  
 C. E. W.  
 W. F. S.  
 W. F. S.  
 PLAN  
 CHECKED: ALIGNED CHECKED  
 NO. 323



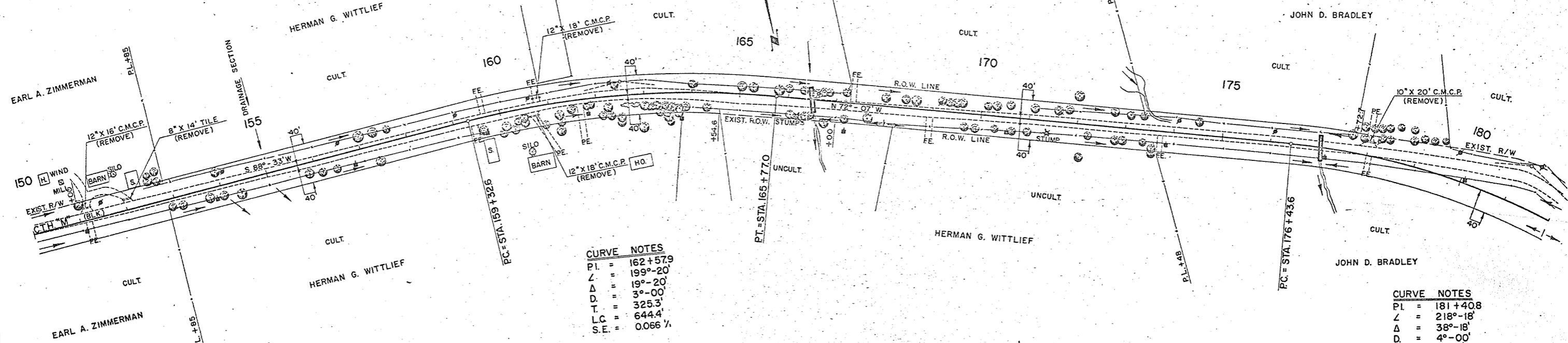
NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
120+00	150+00	3000.0

UNC. EXC. = 3,130 C.Y.	UNC. EXC. = 2,369 C.Y.	UNC. EXC. = 1,013 C.Y.	UNC. EXC. = 1,073 C.Y.	UNC. EXC. = 1,119 C.Y.
FILL = 2,321 C.Y.	FILL = 1,770 C.Y.	FILL = 758 C.Y.	FILL = 808 C.Y.	FILL = 0 C.Y.
				HAUL OUT 1,119 C.Y. TO STA 161+18 - 154+26



DATE: 01-60  
 11-60  
 2-61  
 BY: S. L. J.  
 C. E. W.  
 W. F. S.  
 W. F. S.  
 PROFILE  
 CHECKED: GRADES CHECKED  
 NO. 324

BENCH MARKS				
NO.	STATION	DESCRIPTION		ELEV.
22	151+10	SPIKE IN 22" B.E. 38' LT.		861.39
23	161+75	" " 18" BUTTERNUT 115' RT.		838.51
24	172+05	" " 16" HICKORY 68' RT.		830.91
25	177+90	" " 18" MAPLE 55' LT.		828.70



**CURVE NOTES**

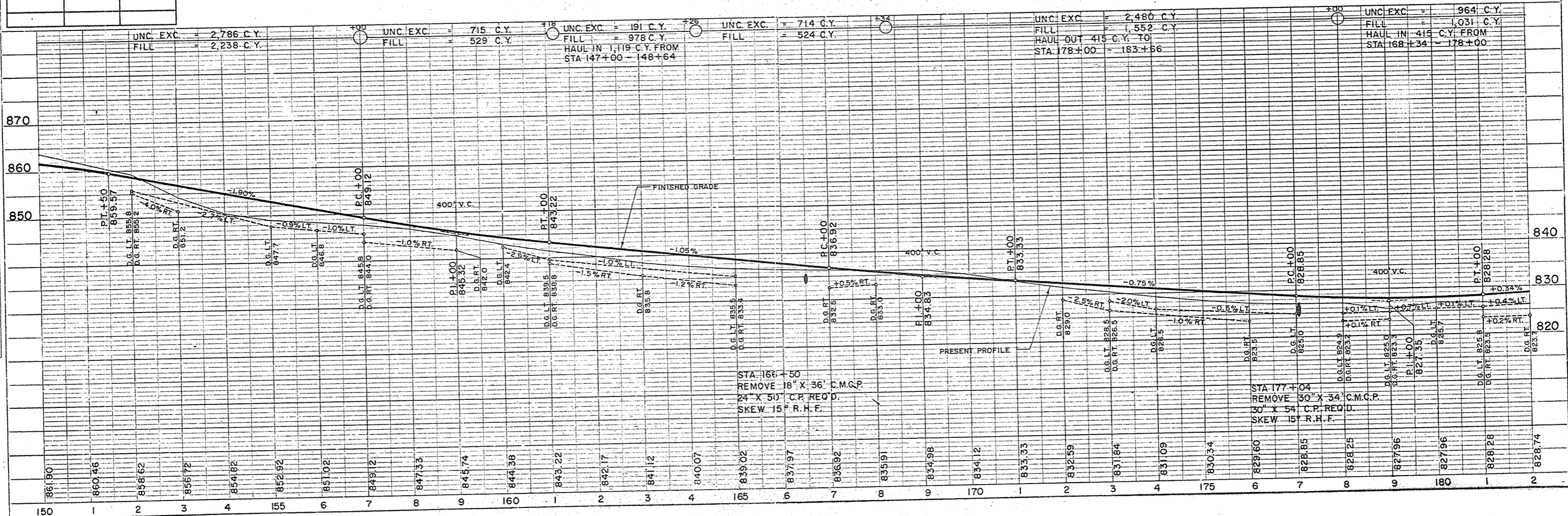
P.I. = 162+57.9  
 L = 199'-20"  
 Δ = 19°-20'  
 D = 3°-00'  
 T = 325.3'  
 L.C. = 644.4'  
 S.E. = 0.066 1/2%

**CURVE NOTES**

P.I. = 181+40.8  
 L = 218'-18"  
 Δ = 38°-18'  
 D = 4°-00'  
 T = 497.2'  
 L.C. = 957.5'  
 S.E. = 0.076 1/2%

**NET LENGTH OF CENTERLINE**

STATION TO STATION	LIN. FT.	
150+00	180+00	3000.0



DATE: 10-1-60  
 DRAWN BY: J.L.S.  
 CHECKED BY: W.F.S.  
 NO. 323

DATE: 10-1-60  
 DRAWN BY: J.L.S.  
 CHECKED BY: W.F.S.  
 NO. 324

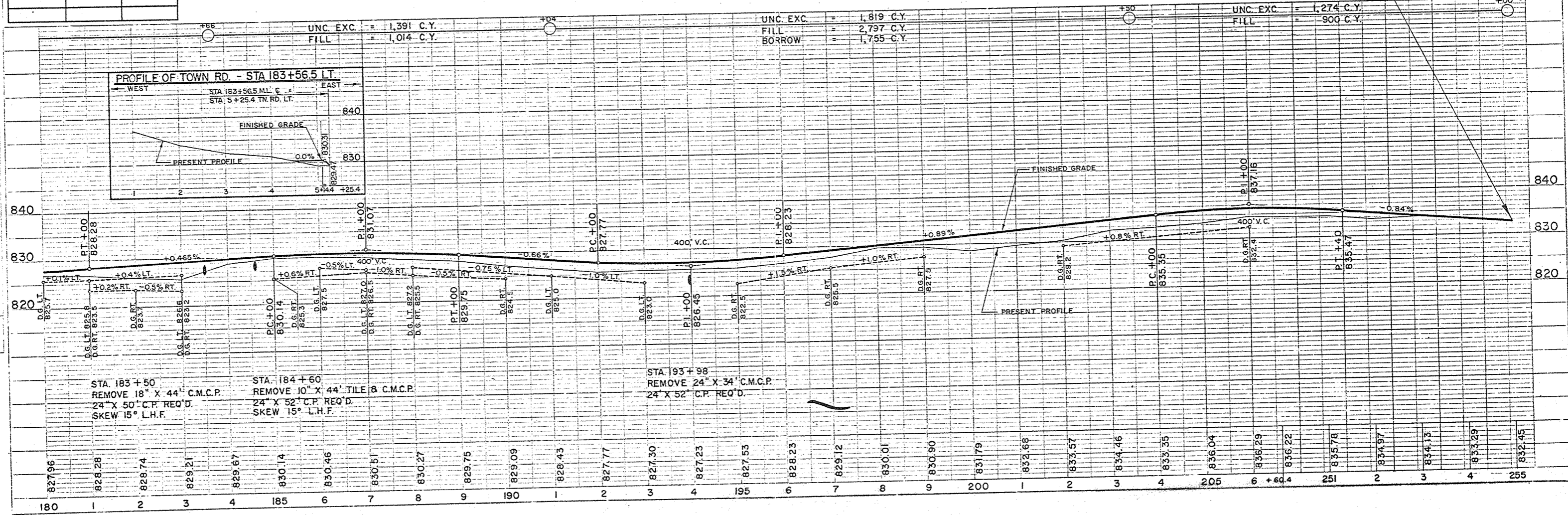


BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
26	192+39	SPIKE IN 22" OAK 35'LT.	826.64
27	198+60	" " 18" HICKORY 180'RT.	824.44
28	204+20	" " 12" " 54'RT	832.03
29	250+10	PT. MK. S.W. COR. PORCH WALL 60'RT	836.92

**CURVE NOTES**  
 P.I. = 199+73.9  
 L = 163'-49'  
 Δ = 16°-11'  
 D = 2°-00'  
 T = 407.3'  
 L.C. = 809.2'  
 S.E. = 0.047%

**CURVE NOTES**  
 P.I. = 181+40.8  
 L = 218'-18'  
 Δ = 38°-18'  
 D = 4°-00'  
 T = 497.2'  
 L.C. = 957.5'  
 S.E. = 0.076%

NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
180+00	255+00	3,160.4



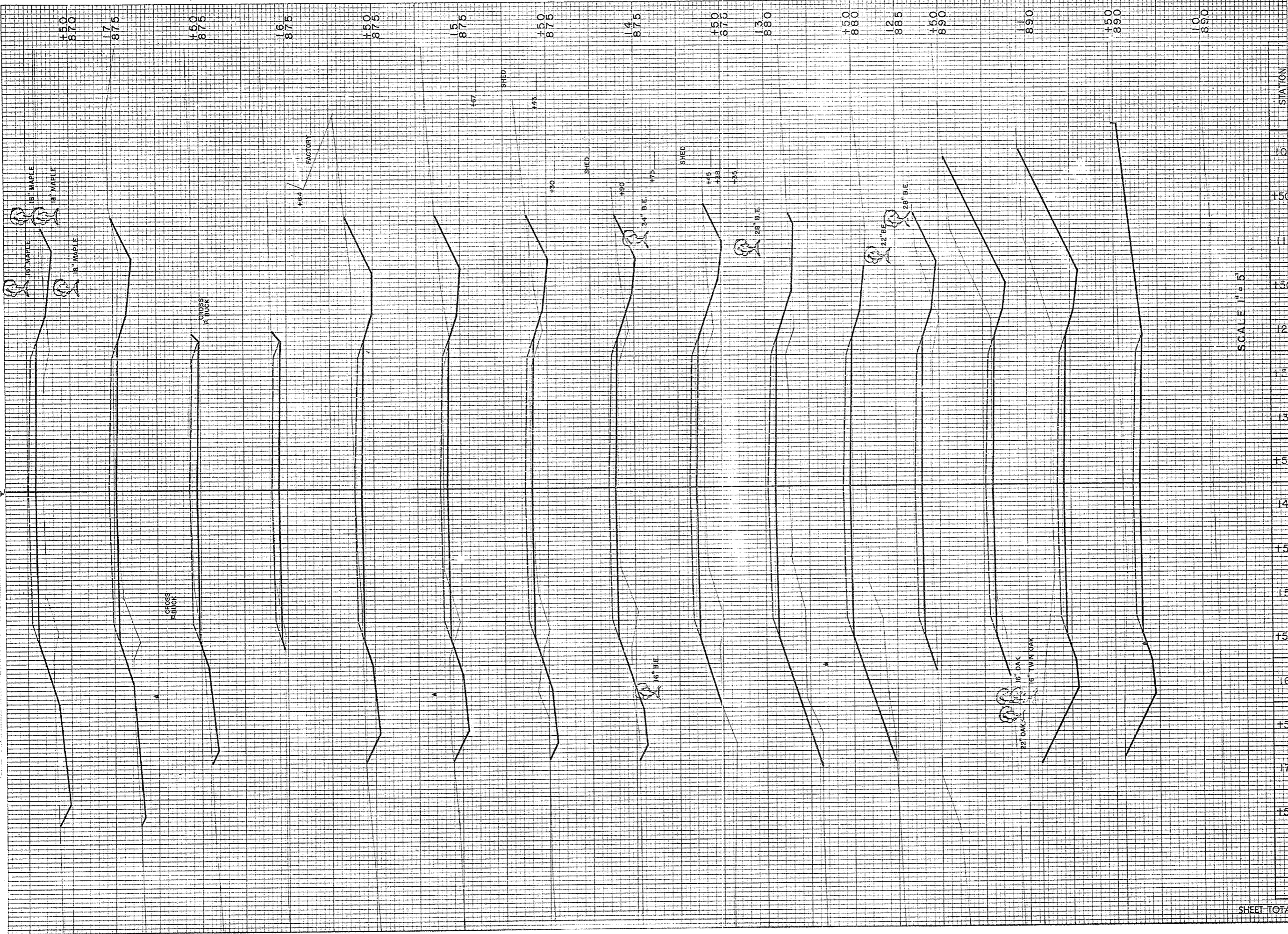
DATE: 10-11-60  
 11-60  
 2-61  
 E. S. J. S.  
 C. H. L. K.  
 W. R. K.  
 W. F. S.  
 PLAN  
 SHEETS: 3  
 PROJECT: 101-60  
 DATE: 10-11-60  
 11-60  
 2-61  
 E. S. J. S.  
 C. H. L. K.  
 W. R. K.  
 W. F. S.  
 PLAN  
 SHEETS: 3  
 PROJECT: 101-60  
 DATE: 10-11-60  
 11-60  
 2-61  
 E. S. J. S.  
 C. H. L. K.  
 W. R. K.  
 W. F. S.

DATE: 10-11-60  
 11-60  
 2-61  
 E. S. J. S.  
 C. H. L. K.  
 W. R. K.  
 W. F. S.  
 PROFILE  
 SHEETS: 3  
 PROJECT: 101-60  
 DATE: 10-11-60  
 11-60  
 2-61  
 E. S. J. S.  
 C. H. L. K.  
 W. R. K.  
 W. F. S.



FINAL SURVEY DRAWING  
 NOTE BOOK NO. 100  
 DATE 11-60  
 BY C. C. R. W. V.

ORIGINAL SURVEY DRAWING  
 NOTE BOOK NO. 100  
 DATE 11-60  
 BY C. C. R. W. V.



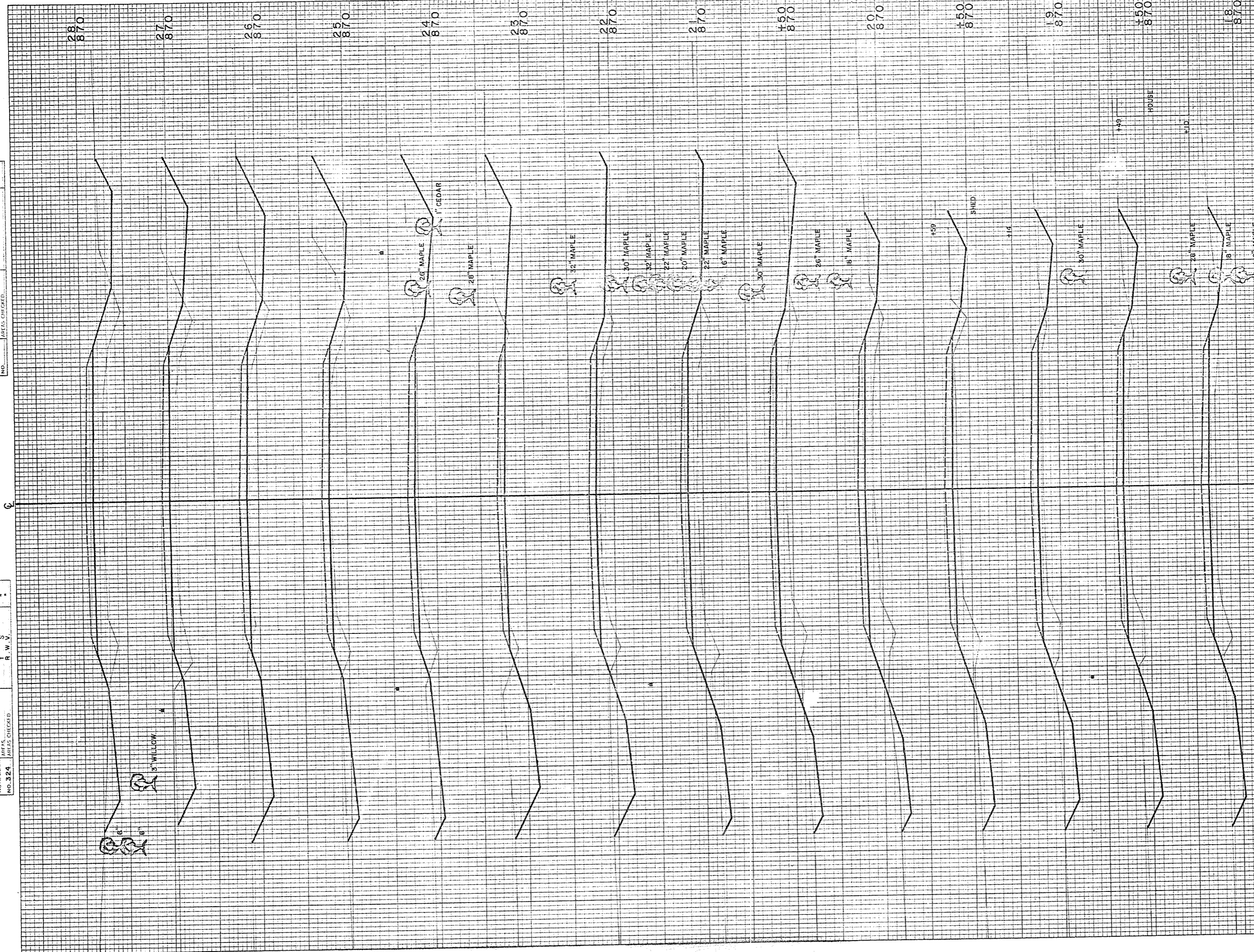
B.P.R. DISTRICT OFFICE		PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4		S 0737 (3)	18	34
STATION	DISTANCE	YARDAGE		
		EXCAVATION	UNC.	FILL
10			132	0
150			276	0
11			191	7
150			74	54
12			28	135
150			4	172
13			17	135
150			33	73
14			44	39
150			74	17
15			115	4
150			89	2
16			59	2
150			56	13
17			35	56
150				
SHEET TOTAL		1227		714

SCALE 1" = 5'



FINAL SURVEYED  
 SURVEY PLANNING  
 NOTE BOOK AREAS CHECKED

ORIGINAL SURVEYED  
 SURVEY PLANNING  
 NOTE BOOK AREAS CHECKED

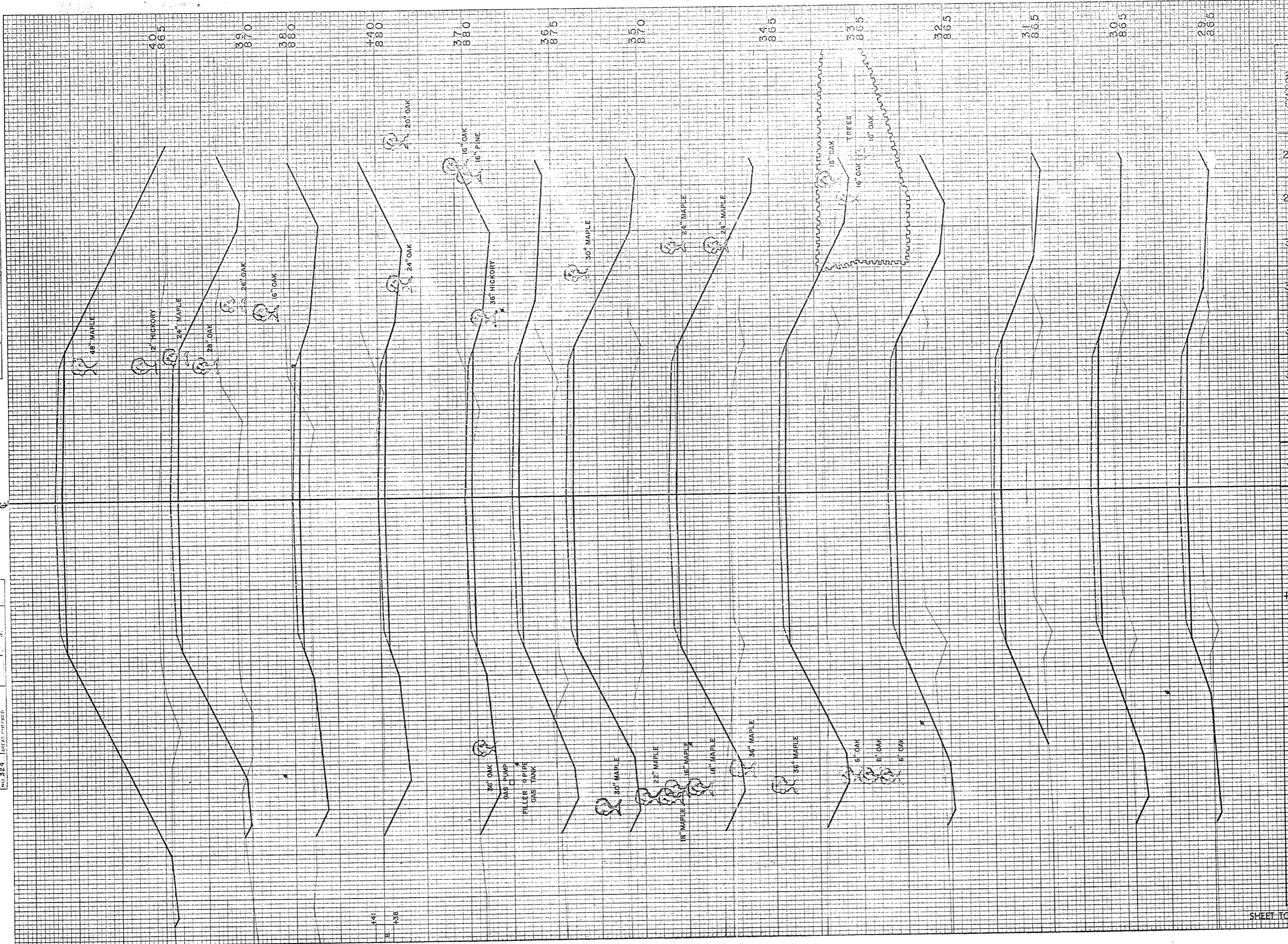


STATION	YARDAGE	
	EXCAVATION	FILL
188		
189	44	76
190	61	65
191	65	57
192	63	61
193	52	67
194	46	113
195	39	113
196	107	165
197	263	63
198	285	44
199	193	87
200	224	70
201	243	102
202	174	137
203		
204		
205		
206		
207		
208		
<b>SHEET TOTAL</b>	<b>1863</b>	<b>1290</b>



FINAL SURVEY PLOTTED  
 NO. 324  
 DATE 11-60  
 BY G. E. S. E. S.

ORIGINAL SURVEY PLOTTED  
 NO. 324  
 DATE 11-60  
 BY G. E. S. E. S.

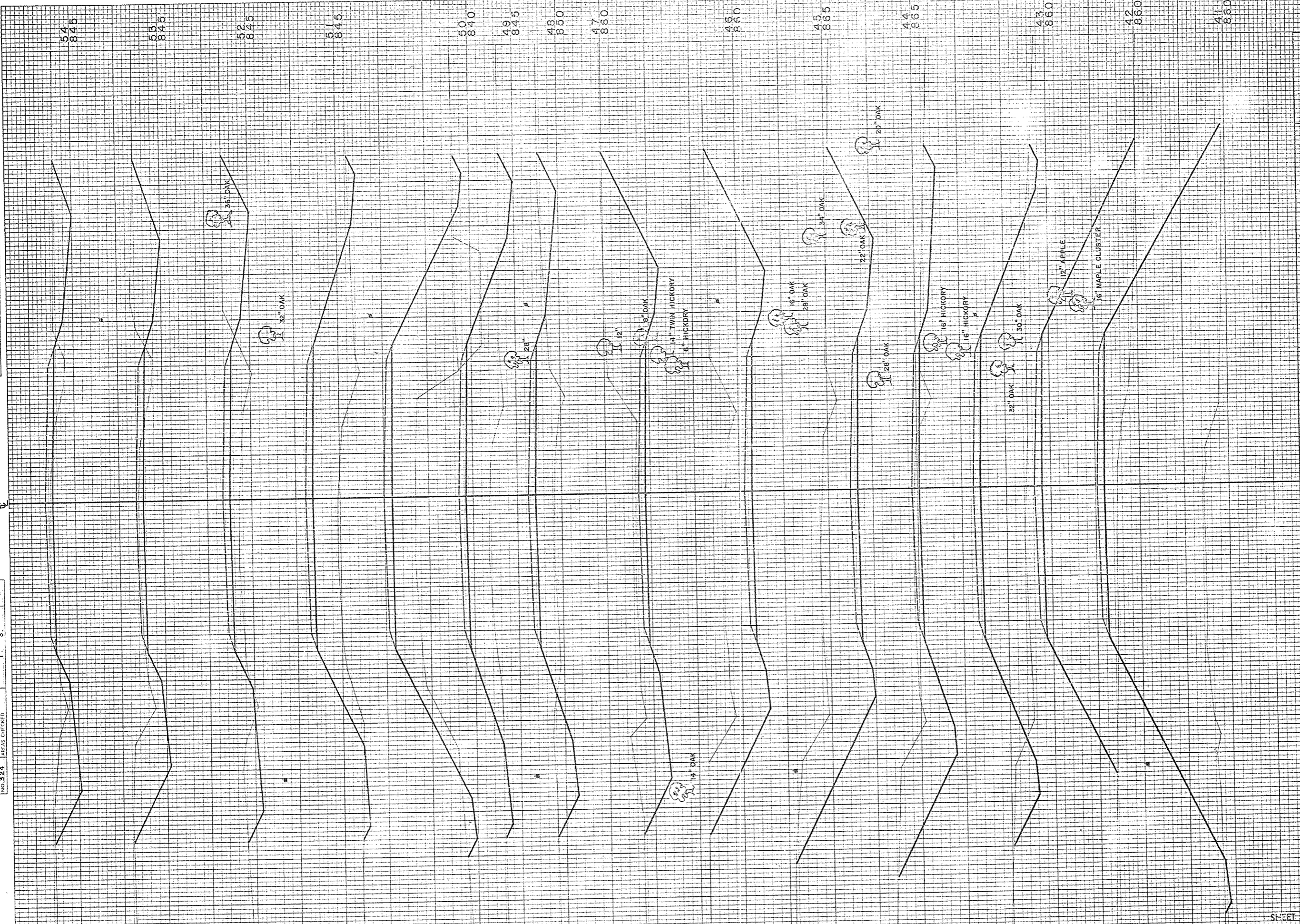


S.P.D. DISTRICT OFFICE		PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4		S 0737(3)	20	34
STATION	DISTANCE	YARDAGE		
		EXCAVATION	FILL	
28	89		226	
29	54		306	
30	37		483	
31	78		549	
32	120		620	
33	85		930	
34	56		1118	
35	72		848	
36	226		296	
37	180		2	
140	248		35	
38	191		772	
39	50		1880	
40				
SHEET TOTAL		1486	8064	



FINAL SURVEYED  
 SURVEY EVIDENCE  
 NOTE BOOK  
 NO. 324

DATE  
 11-60  
 1-61

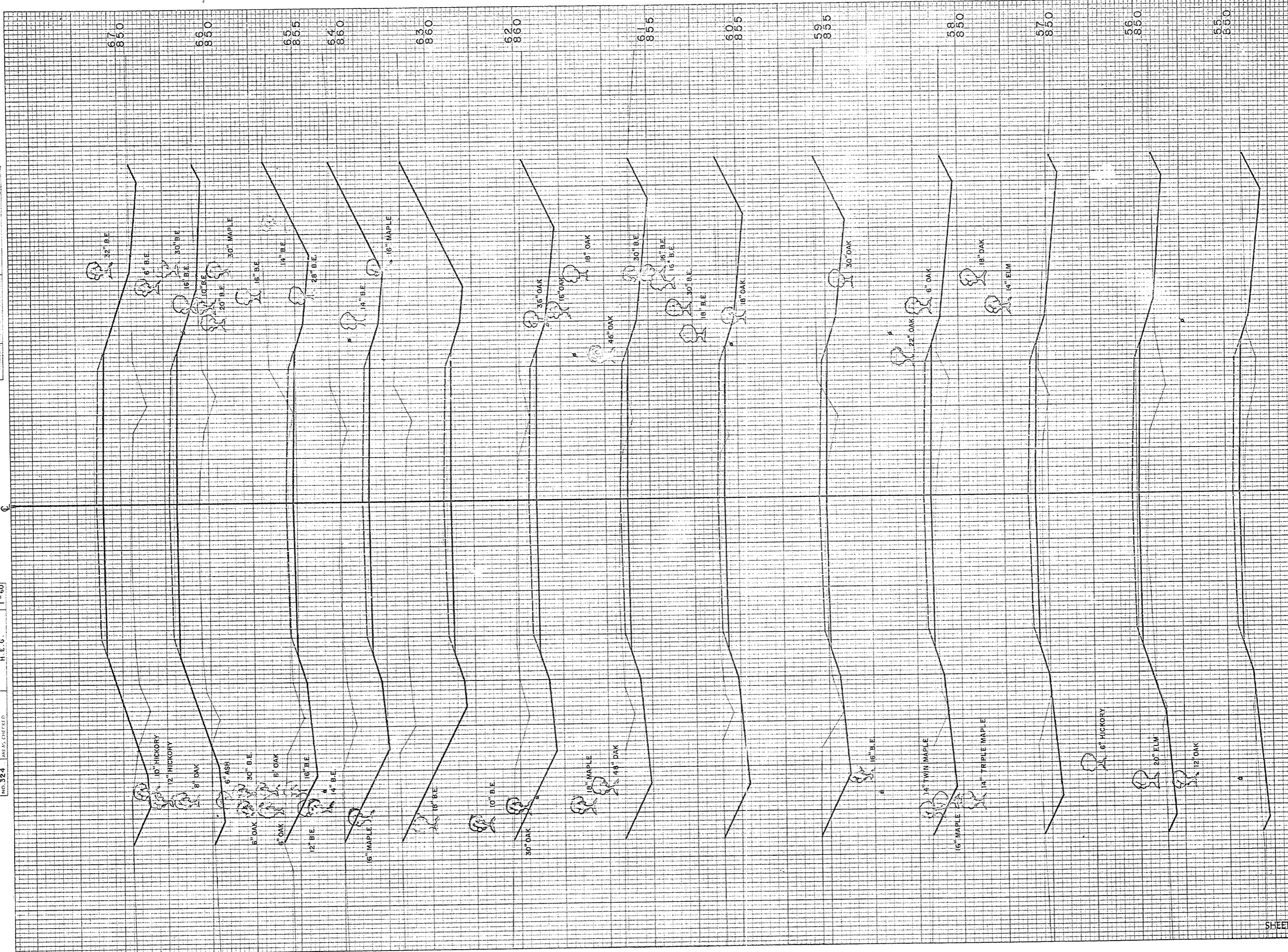


STATION	DISTANCE	YARDAGE		
		UNC.	MARSH	FILL
40		7		2472
41		4		136
42		50		
43		265		800
44		770		0
45		1046		0
46		654		0
47		443		148
48		109		400
49		54	67	652
50		41	67	698
51		128		383
52		296		94
53		304		28
54				
SHEET TOTAL		4371	134	6759



FINAL SURVEY  
 SURVEYED BY: [blank]  
 DATE: [blank]  
 PROJECT NO.: [blank]  
 SHEET NO.: [blank]

ORIGINAL SURVEY  
 SURVEYED BY: [blank]  
 DATE: [blank]  
 PROJECT NO.: [blank]  
 SHEET NO.: [blank]



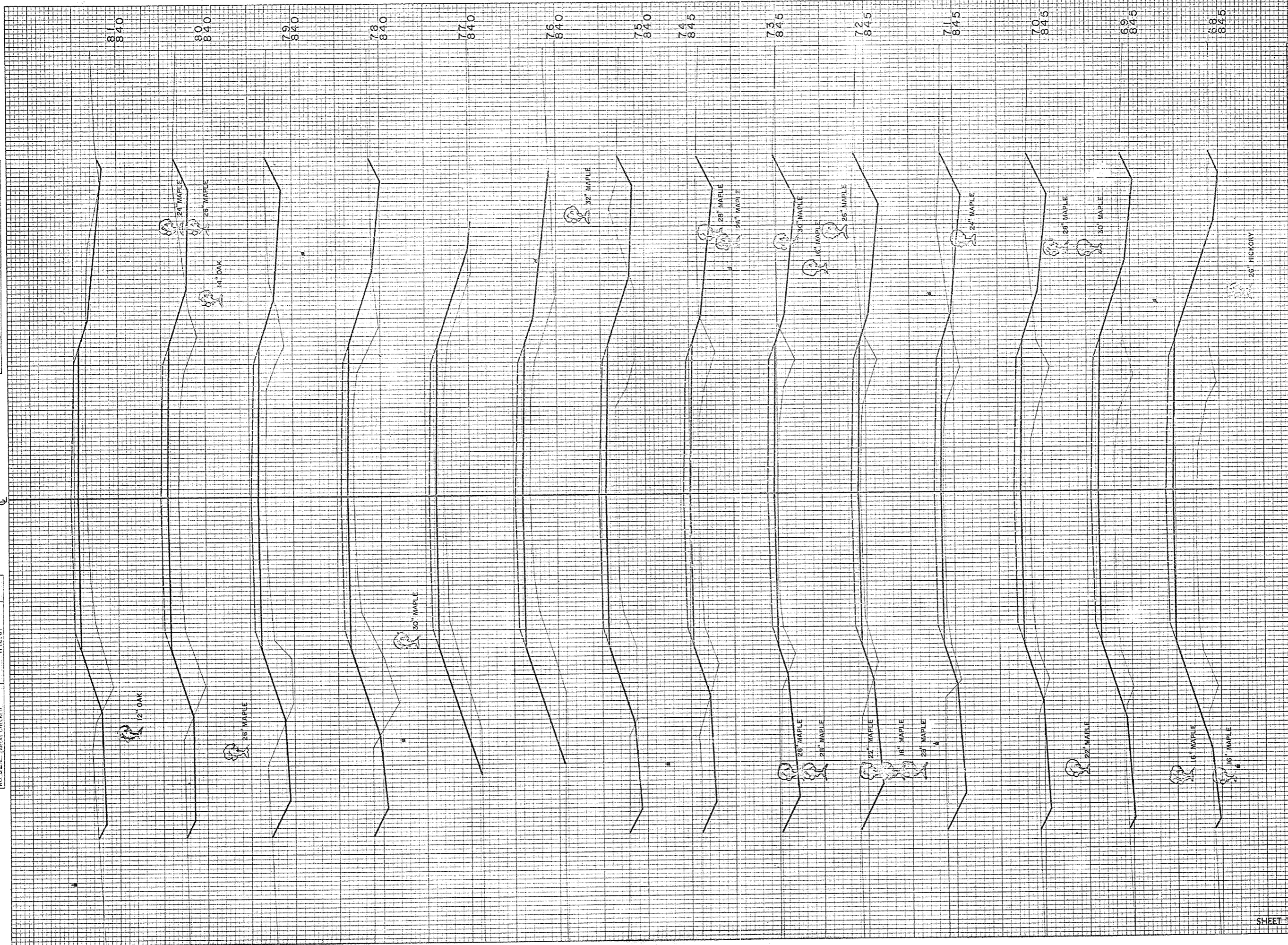
D.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0737(3)	22	39

STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
54	178		67
55	98		150
56	113		146
57	150		26
58	246		61
59	373		11
60	531		4
61	528		2
62	1046		0
63	1207		0
64	787		0
65	300		230
66	63		513
67			
SHEET TOTAL		5473	1280



FINAL SURVEY PLOTTED  
 NOTE BOOK NO. 329  
 AREAS CHECKED

DATE 11-60  
 1-61  
 S.S.  
 R.C.K.  
 H.E.S.



STATION	DISTANCE	YARDAGE	
		EXCAVATION	
		UNCL.	FILL
67			
68	57		557
69	57		454
70	111		200
71	174		100
72	217		78
73	241		65
74	181		144
75	119		240
76	52		520
77	0		261
78	39		267
79	111		254
80	119		218
81	91		233
<b>SHEET TOTAL</b>	<b>1519</b>		<b>3621</b>

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0737 (3)	23	34



FINAL SURVEY DRAWING  
 SURVEY FLOTTED  
 NOTE BOOK NO. 324  
 AREAS CHECKED

ORIGINAL SURVEY DRAWING  
 SURVEY FLOTTED  
 NOTE BOOK NO. 324  
 AREAS CHECKED

CONST. C

94  
850

93  
850

92  
850

91  
850

90  
850

89  
845

88  
845

87  
845

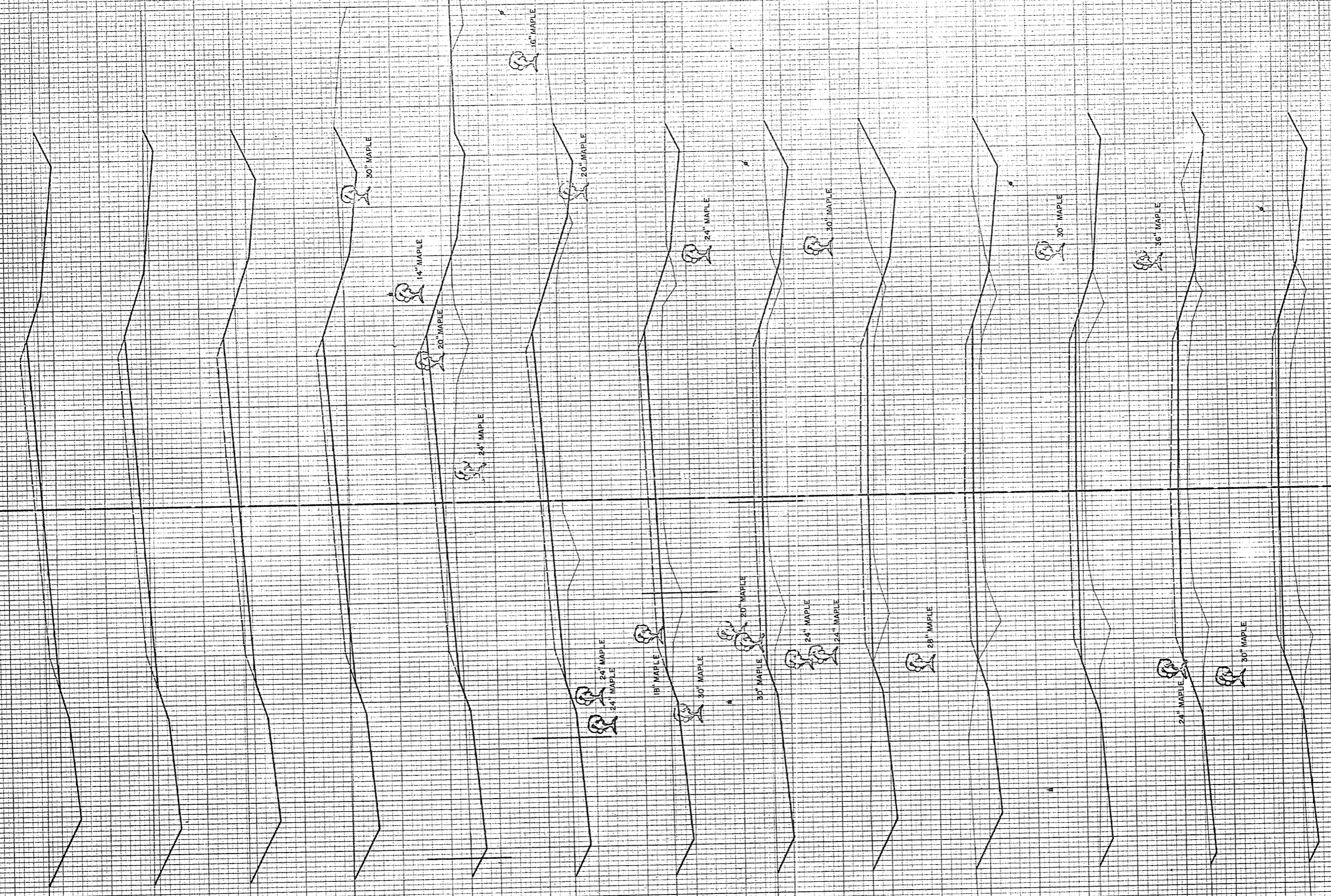
86  
845

85  
845

84  
845

83  
845

82  
840



SURV. C

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0737 (3)	24	34

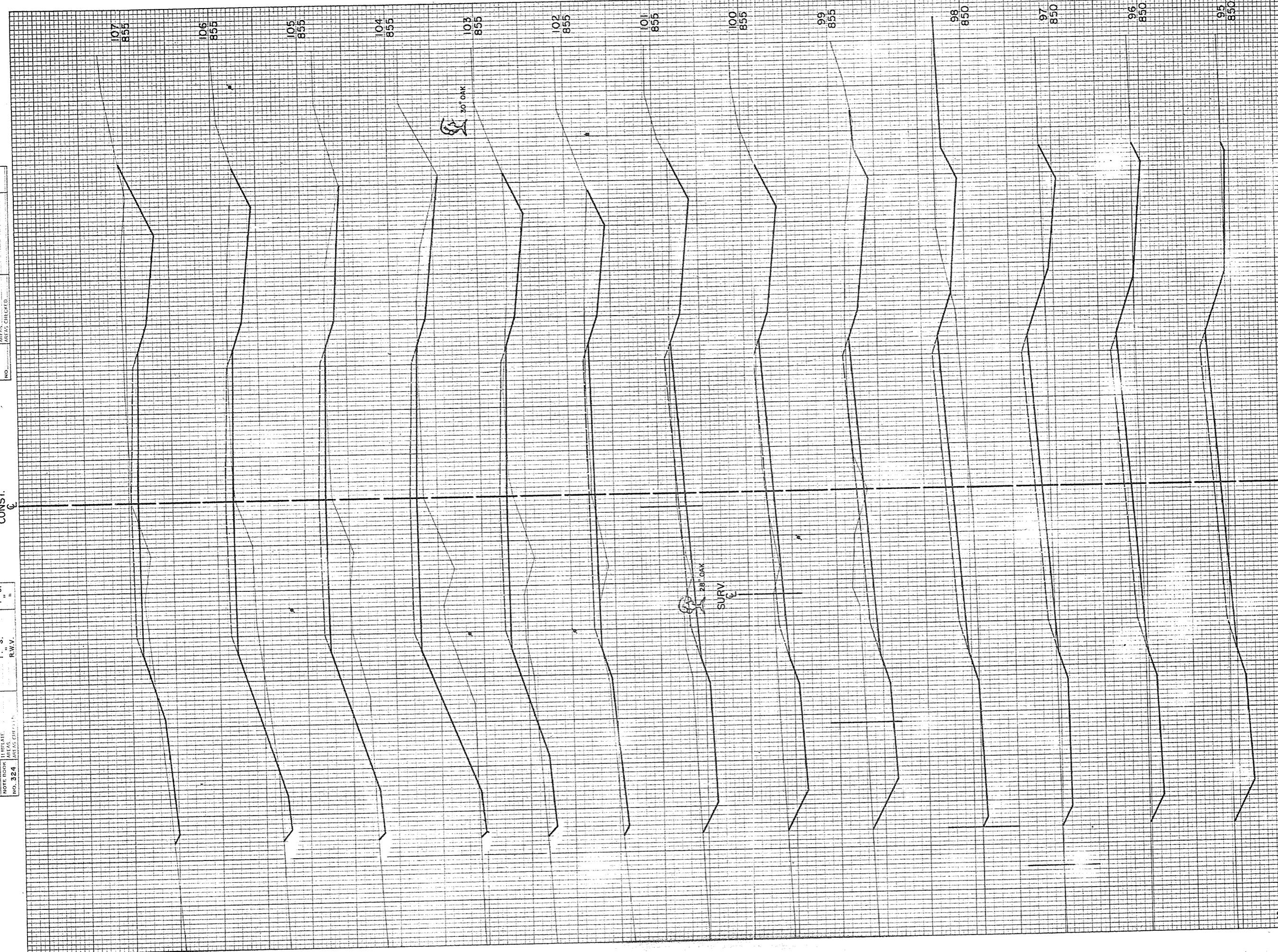
STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
81	102		220
82	98		220
83	80		208
84	154		180
85	233		119
86	194		111
87	139		163
88	111		235
89	119		259
90	174		200
91	243		109
92	224		113
93	226		104
94			
SHEET TOTAL		2097	2241



FINAL SURVEY  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NO. 324

ORIGINAL SURVEY  
 CHECKED BY: C.E.S.  
 DATE: 11-80  
 NO. 324

CONST.



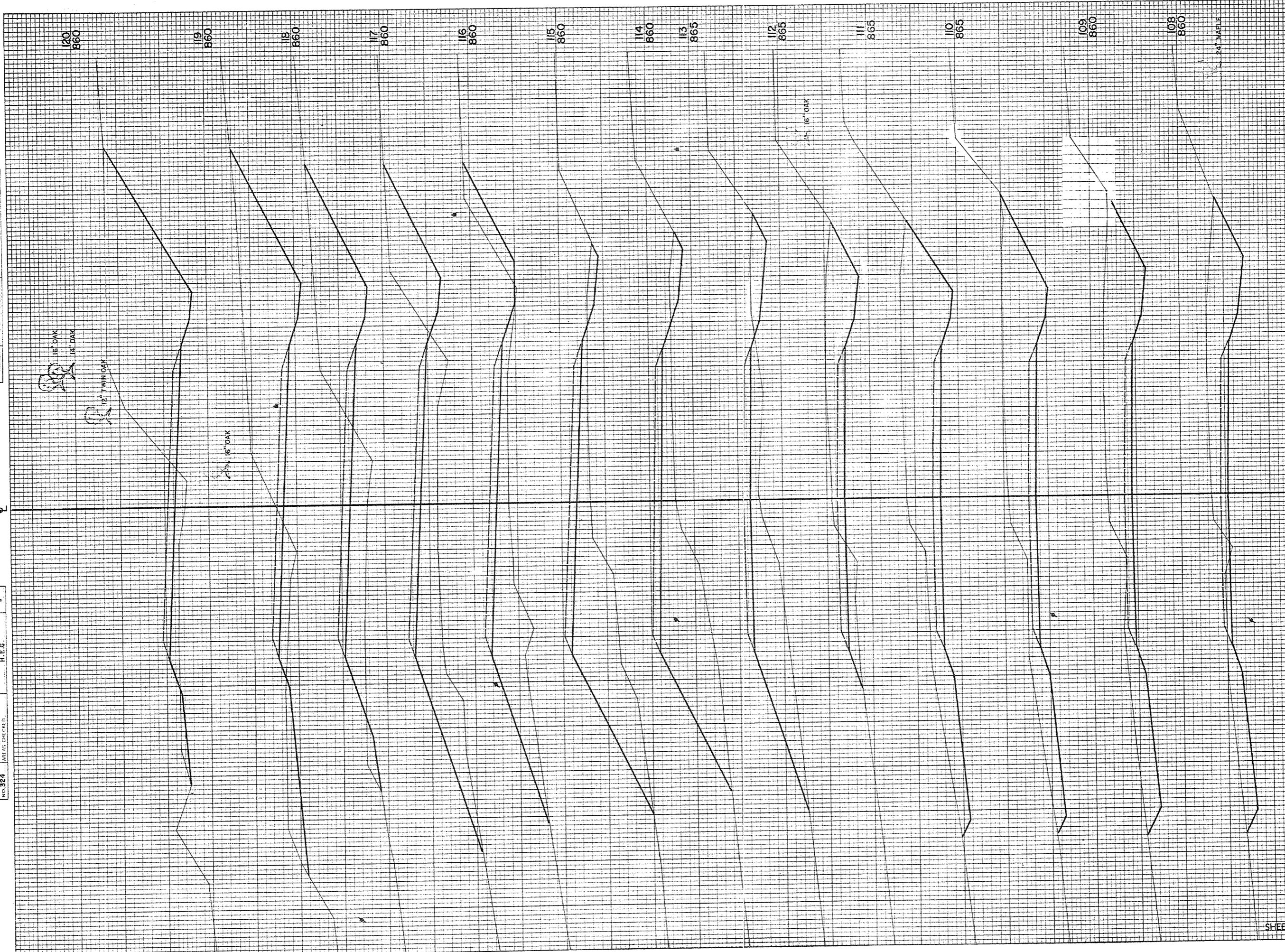
B.P.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0737 (3)	25	34

STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
94	220		96
95	139		150
96	130		154
97	152		217
98	326		143
99	454		2
100	413		0
101	293		11
102	154		89
103	107		252
104	78		317
105	133		237
106	254		119
107			
SHEET TOTAL		2853	1787



FINAL SURVEY  
 NOTE BOOK NO. 324  
 DATE 11-60  
 BY H.E.G.  
 CHECKED H.E.G.  
 AREA CHECKED

ORIGINAL SURVEY PLOTTED  
 DATE 11-60  
 BY H.E.G.  
 CHECKED H.E.G.  
 AREA CHECKED



B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0737 (3)	26	34

STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
107	396		24
108	559		0
109	652		0
110	711		0
111	522		24
112	170		211
113	44		439
114	24		502
115	37		435
116	128		400
117	289		328
118	543		141
119	785		65
120			
SHEET TOTAL		4860	2569



FINAL SURVEY PLANTED  
 NO. 10000  
 DATE 1-60  
 BY CES. FRM. H.F.G.  
 ORIGINAL SURVEY PLANTED  
 NO. 324  
 DATE 1-60  
 BY CES. FRM. H.F.G.

8" OAK  
 22"

NOTE: SAVE  
 20" MAPLE #70

8" APPLE

24" ELM

28" OAK

6" TWIG CHERRY

28" OAK

8" HICKORY

16" OAK

14" OAK

14" OAK

6" OAK  
 16" OAK

10" HICKORY

133  
845

132  
840

131  
840

130  
840

129  
840

128  
840

127  
840

126  
840

125  
840

124  
840

123  
845

122  
845

121  
855

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	50737(3)	27	34

STATION	DISTANCE	YARDAGE	
		UNCG	EXCAVATION
120	687		146
121	352		319
122	176		381
123	150		302
124	148		213
125	122		178
126	91		156
127	93		144
128	67		178
129	57		233
130	41		307
131	57		346
132	82		307
133			
SHEET TOTAL		2145	3220

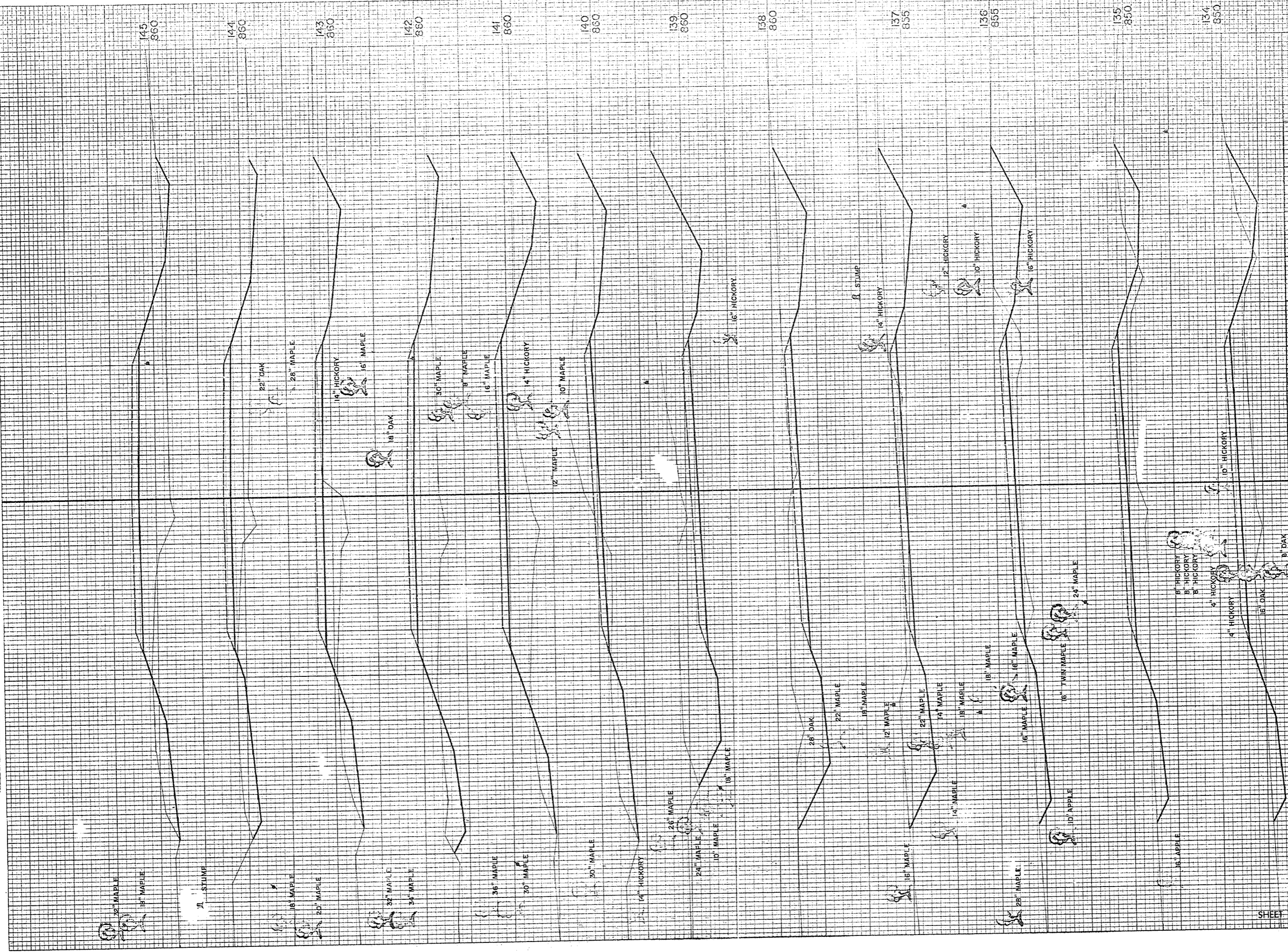


FINAL SURVEY SURVEYED, PLOTTED, NOTE BOOK TEMP. AREAS CHANGED.

ORIGINAL SURVEY SURVEYED, PLOTTED, NOTE BOOK TEMP. AREAS CHANGED.

DATE 11-60 BY C.E.S. 12-60

R.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
Wis. 4	S 0737(3)	28	34

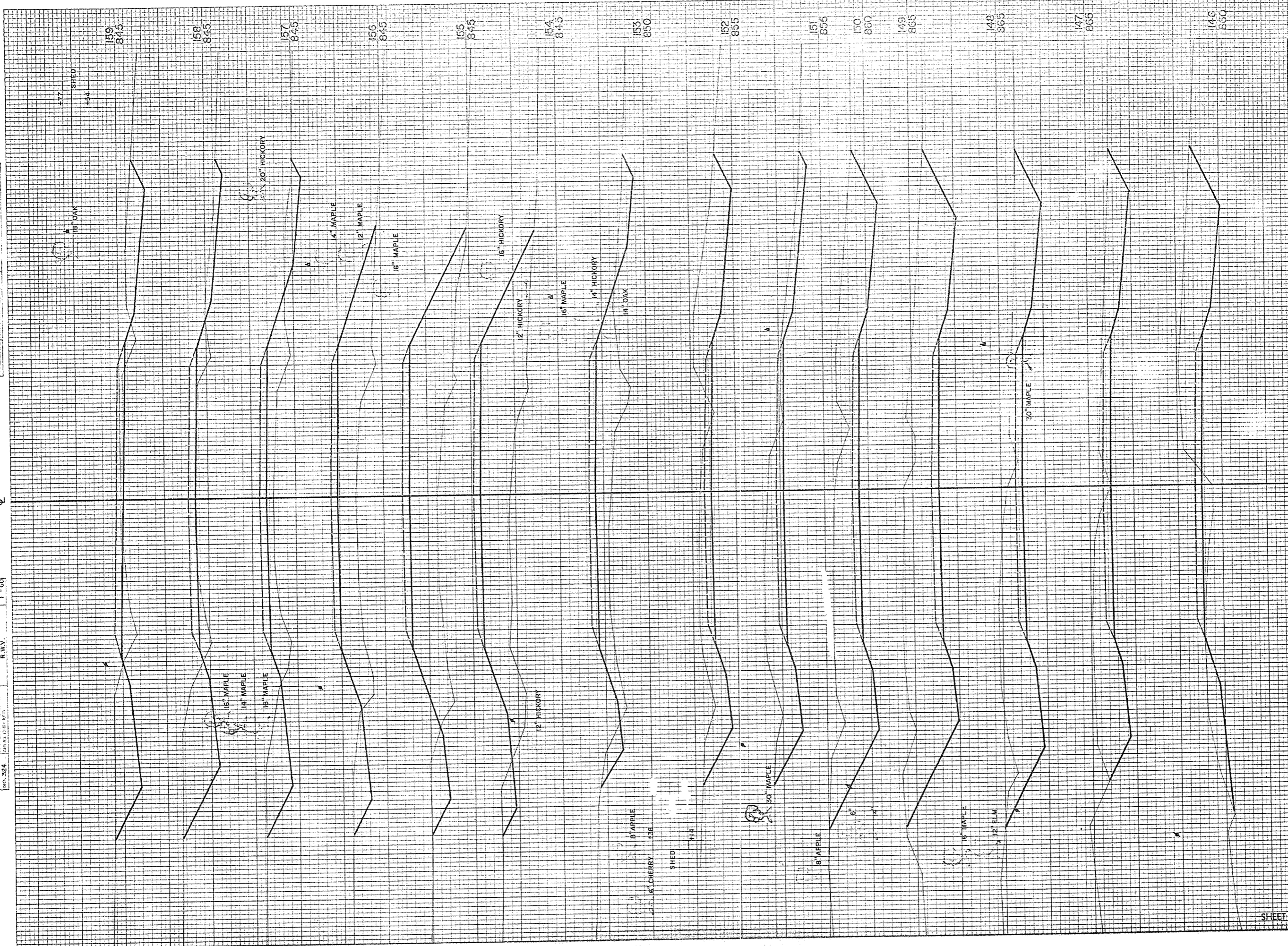


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
133	100		256
134	11		231
135	180		161
136	357		48
137	57		0
138	696		0
139	650		13
140	304		182
141	124		361
142	172		261
143	174		189
144	106		322
145			
SHEET TOTAL		3491	2024



FINAL SURVEY  
 SURVEYED BY  
 DATE

ORIGINAL SURVEY  
 SURVEYED BY  
 DATE  
 NO. 324



STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
145	276		222
146	481		20
147	580		0
148	846		0
149	926		0
150	533		0
151	426		0
152	272		156
153	52		504
154	43		678
155	57		567
156	107		333
157	196		119
158	235		46
159			
SHEET TOTAL		5093	2645

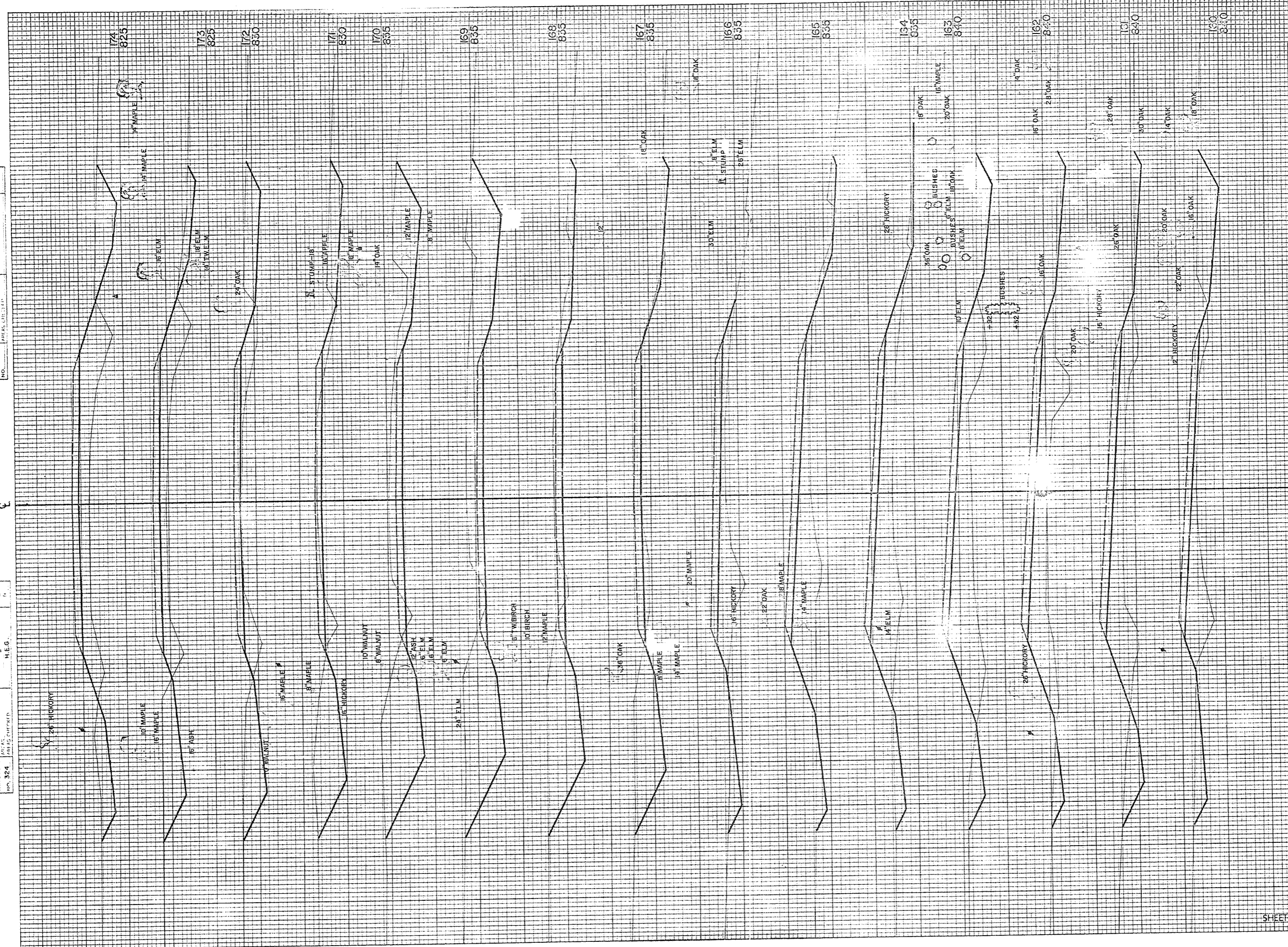
B.P.P. DISTRICT OFFICE  
 PROJECT: S 0737(3)  
 SHEET NUMBER: 29  
 TOTAL SHEETS: 34



FINAL SURVEY PLOTTED  
 NOTE BOOK NO. 324  
 DATE 11-60  
 BY CES  
 T.S.  
 H.E.G.

ORIGINAL SURVEY PLOTTED  
 NOTE BOOK NO. 324  
 DATE 11-60  
 BY CES  
 T.S.  
 H.E.G.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0737(3)	30	34

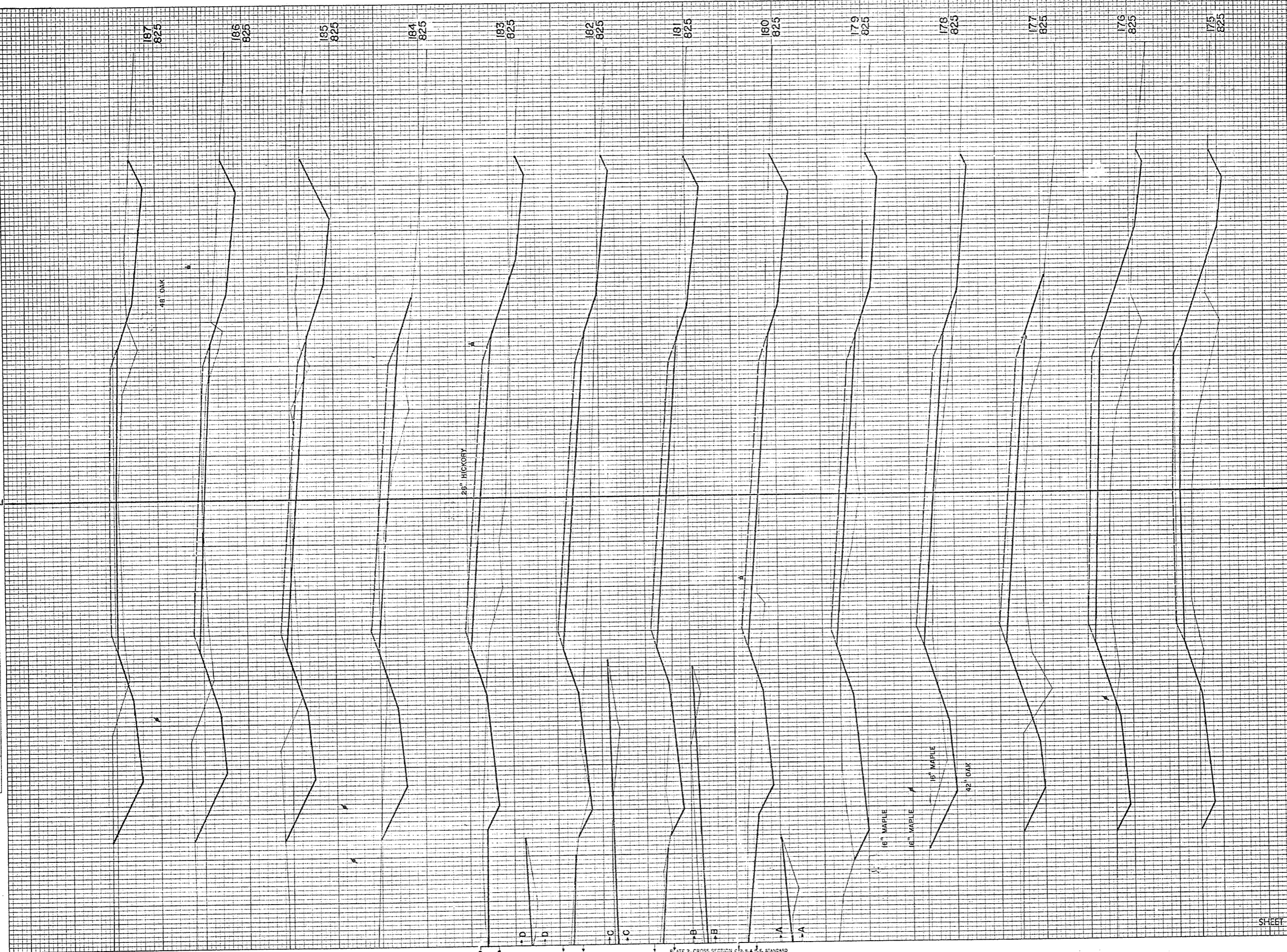


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
159	178		104
160	86		200
161	57		237
162	61		300
163	69		333
164	54		263
165	54		263
166	119		91
167	289		15
168	652		4
169	722		2
170	396		10
171	231		23
172	176		1-1
173	159		220
174			
<b>SHEET TOTAL</b>	<b>3363</b>		<b>2314</b>



FINAL SURVEY PLOTTED BY DATE  
 NOTE BOOK NO. 324  
 AREAS CHECKED

ORIGINAL SURVEY PLOTTED BY DATE  
 NOTE BOOK NO. 324  
 AREAS CHECKED



STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
174	130		274
175	82		330
176	69		317
177	85		193
178	157		98
179	239		93
180	239		109
181	148		222
182	108		350
183	120		241
184	226		65
185	311		45
186	246		76
187			
<b>SHEET TOTAL</b>		<b>2154</b>	<b>2404</b>



FINAL SURVEY  
 SURVEYED PLOTTED  
 NOTE BOOK AREAS  
 NO. AREAS CHECKED

ORIGINAL SURVEY  
 SURVEYED PLOTTED  
 NOTE BOOK AREAS  
 NO. 324 AREAS CHECKED

DATE  
 12-80  
 1-61  
 1-61

BY  
 C.F.M.  
 T.S.  
 H.E.G.

6

200  
820

199  
830

198  
825

197  
825

196  
825

195  
820

194  
820

193  
820

192  
820

191  
825

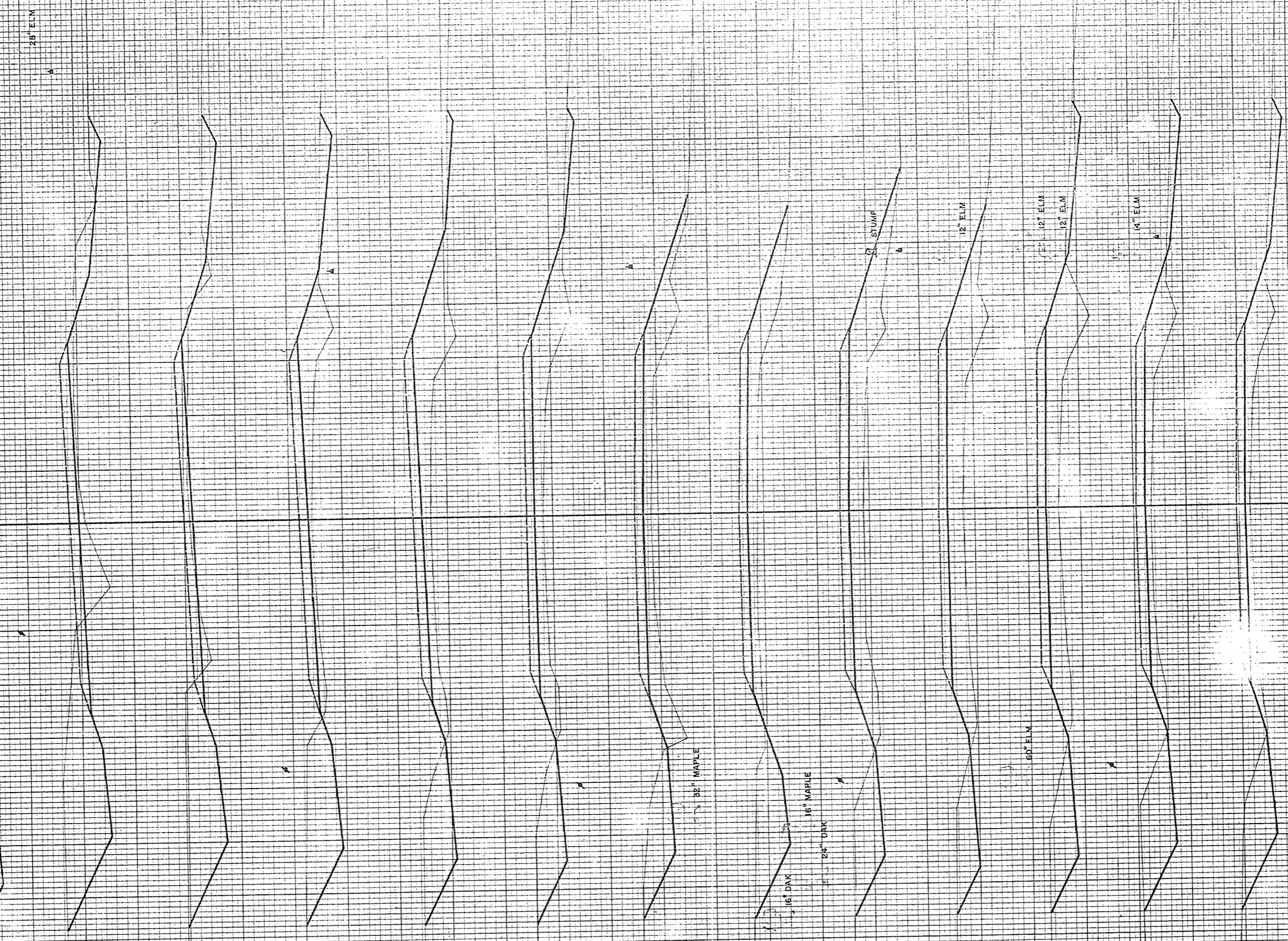
190  
825

189  
825

188  
825

S.P.D. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S0737(3)	32	34

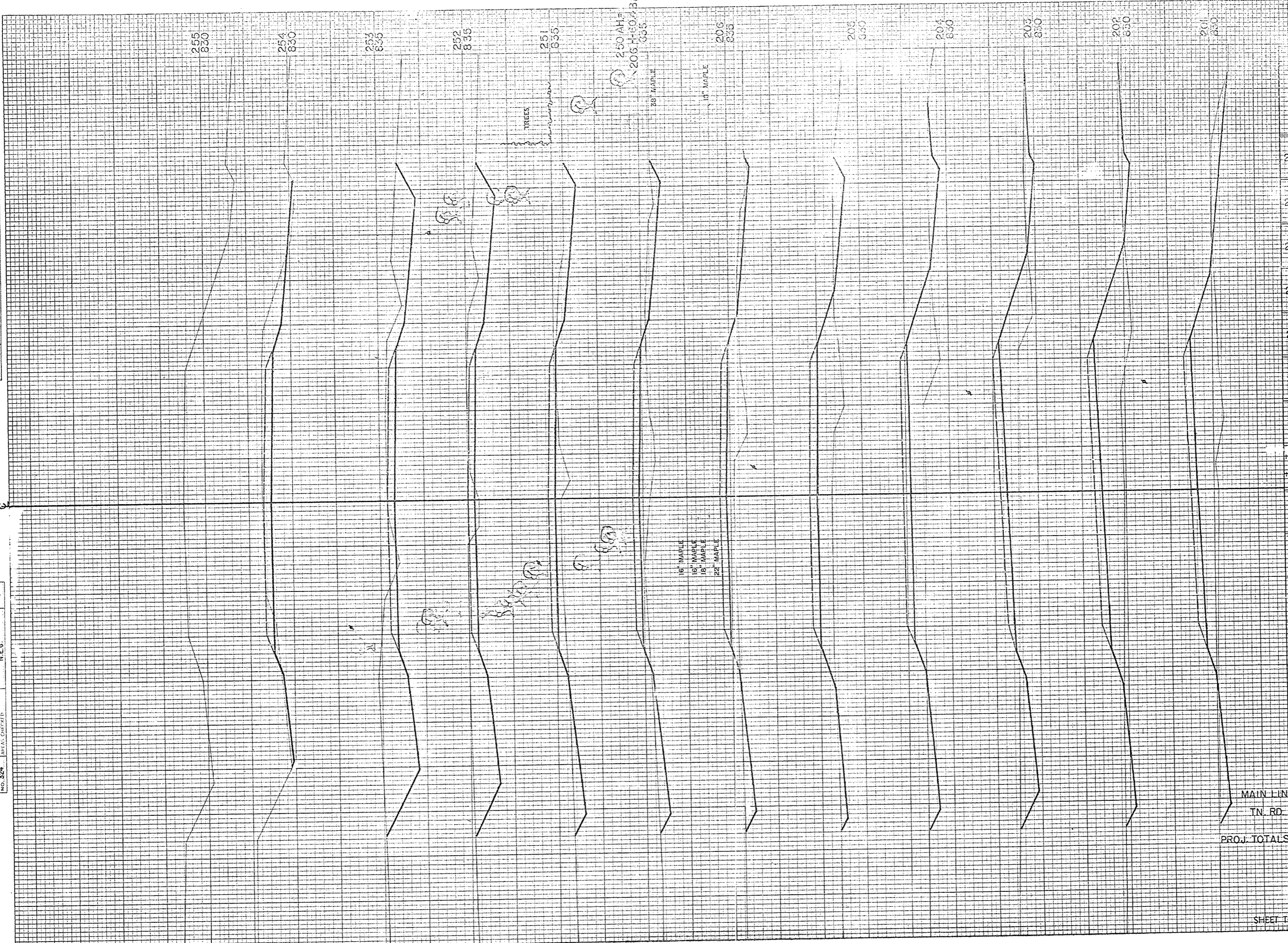
STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
87			
	180		113
188			
	150		133
189			
	135		202
190			
	98		255
191			
	91		360
192			
	38		259
193			
	94		200
194			
	111		219
195			
	128		235
196			
	161		194
197			
	233		87
198			
	311		54
199			
	250		152
200			
SHEET TOTAL		2640	2409





FINAL SURVEY NOTE BOOK NO. 324

DATE: 11-60  
BY: CES  
CHECKED: J.E.G.



STATION	DISTANCE	YARDAGE		
		EXCAVATION		
		UNC.	MARSH	FILL
200	120		239	
201	70		337	
202	100		320	
203	115		265	
204	75		287	
205	65		224	
206	60.4	50	87	
206	230			
206	100.0			
251	100	106	100	
252	248		43	
253	344		6	
254	241		9	
255	89		7	
MAIN LINE		45595	134	47374
TN. RD.		315	0	2476
PROJ. TOTALS		45910	134	49850
SHEET TOTAL		1620	0	2033

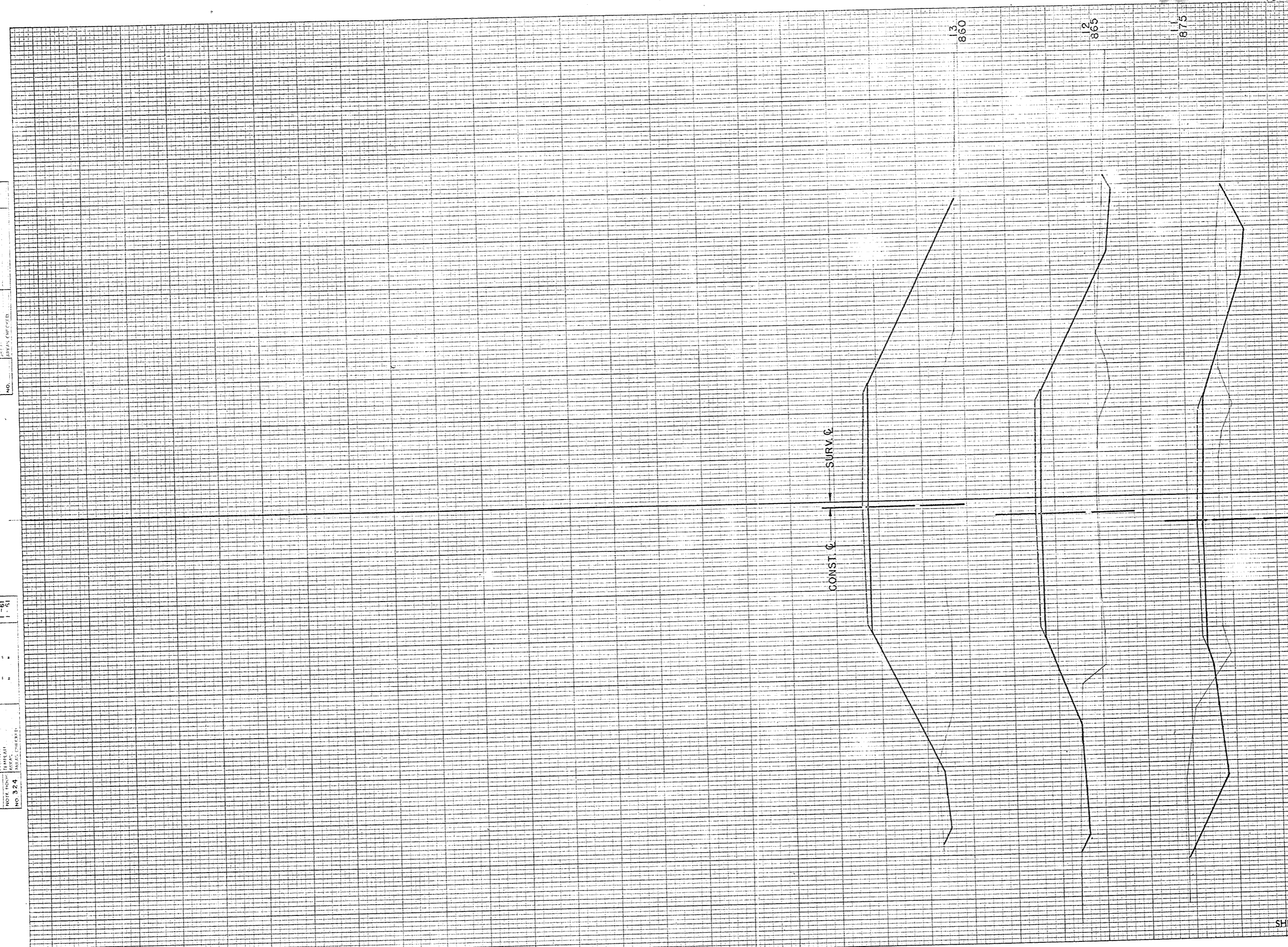
B.P.R. DISTRICT OFFICE: WIS. 4  
PROJECT: 90737(3)  
SHEET NUMBER: 33  
TOTAL SHEETS: 34



P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S 0737(3)	34	34

APPROVED BY DATE  
 SURVEY BY DATE  
 NOTE BOOK NO. 324  
 AREAS CHECKED

DATE 11-60  
 12-60  
 1-61  
 1-61  
 BY C.E.S.  
 T.S.  
 APPROVED BY DATE  
 SURVEY BY DATE  
 NOTE BOOK NO. 324  
 AREAS CHECKED



STATION	DISTANCE	YARDAGE		
		UNC.	EXCAVATION	FILL
10	150	82		65
11		1.5		613
12		37		1231
13		11		567
138				
SHEET TOTAL		3.15		2476