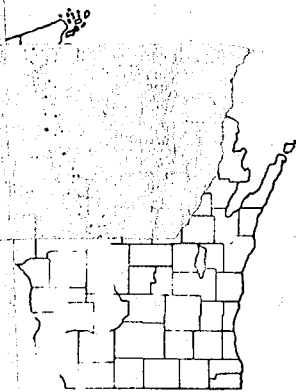


HIGHWAY	SECTION	STATE	FEDERAL	OFFICE	NUMBER
37.1	5.3		11.17	WIS.	
37.1	6801.0		12.7	5N	

STATE OF WISCONSIN  
STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED  
**WAUSAU - MERRILL**  
MARATHON COUNTY  
PROJECT F 6801 (7)  
&  
PROJECT F 05-3 (17)

- OF SHEETS
- TITLE
- TYPICAL CROSS SECTIONS
  - ESTIMATE OF QUANTITIES
  - MISCELLANEOUS QUANTITIES
  - NO. 42 RIGHT OF WAY PLAT
  - NO. 5-13 PLAN AND PROFILE STA. 4+30 TO STA. 232+00
  - NO. 14-21 STANDARD DETAILS
  - NO. 22-24 DRAINAGE STRUCTURES
  - NO. 25-79 CROSS SECTIONS



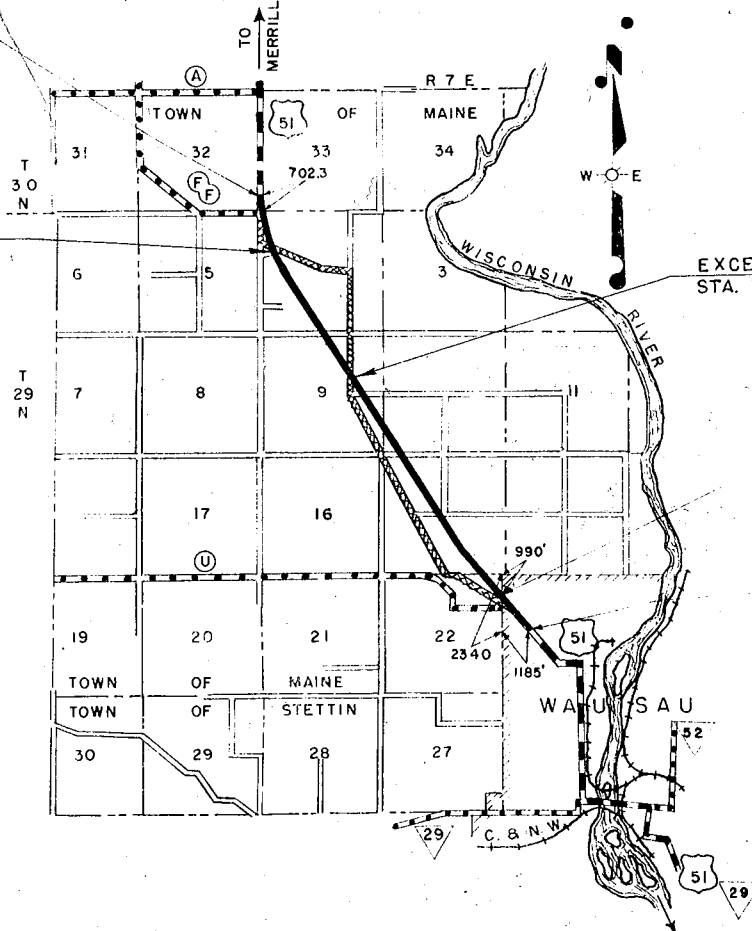
1953

22-23-24

END OF PROJECT F 05-3 (17)  
STA. 232+00 = STA. 58+87 F.A.P. 449 C

EXCEPTION TO NET @ LENGTH  
STA. 206+00 - STA. 208+00

PLAN 1 IN. = 100 FT. & 50 FT.  
PROFILE HOR. 1 IN. = 100 FT. & 50 FT. VERT. 1 IN. = 10 FT. & 5 FT.  
CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.



EXCEPTION TO NET @ LENGTH  
STA. 140+00 - STA. 142+00

END OF PROJECT F 6801 (7) =  
BEGINNING OF PROJECT F 05-3 (17)  
STA. 22+40

BEGINNING OF PROJECT F 6801 (7)  
STA. 4+30 = STA. 32+22.2 PROJ. U 05-3 (23)

CONVENTIONAL SIGNS

—	CULVERTS IN PLACE	—	DATUM LINE 73.9
- - -	CULVERTS REQUIRED	—	DATUM LINE 73.6
—	DROP INLET	—	
—	POWER POLE	—	
—	HOME OR TELEGRAPH POLE	—	
—	WAY MARKERS	—	
—	REFUGE STAKE FOR HUBS ONLY	—	
—	WASH	—	
—	EDGE	—	
—	TREES	—	
—	CITY LIMITS	—	
—	LINE	—	
—	WAY OR P.E.	—	
—	LOADS	—	
—	SURVEY LINE	—	

LAYOUT

SCALE 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.343 MI. F 6801 (7)  
TOTAL NET LENGTH OF CENTERLINE = 3.894 MI. F 05-3 (17)  
TOTAL = 4.237 MI.

STATE HIGHWAY COMMISSION OF WISCONSIN  
MADISON, WIS.

NOTE BOOK 4533-4534

DATE 4/20/53 *A. J. Havelton*  
DISTRICT ENGINEER

DATE 5/12/53 *A. J. Havelton*  
CONSTRUCTION ENGINEER

DATE 5/13/53 *E. R. Ruetten*  
STATE HIGHWAY ENGINEER

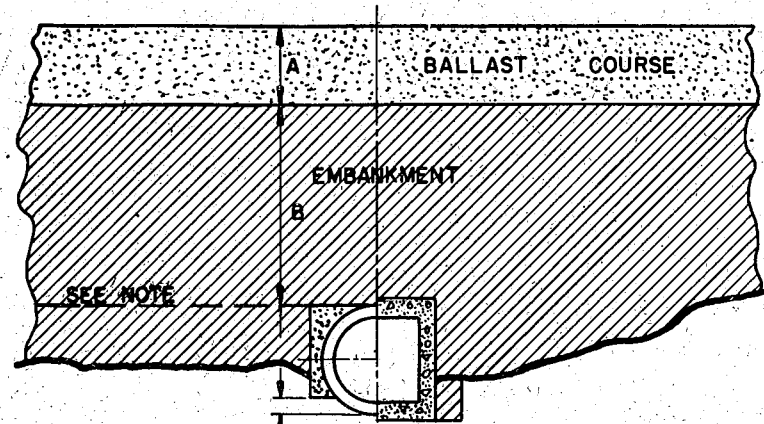
DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER

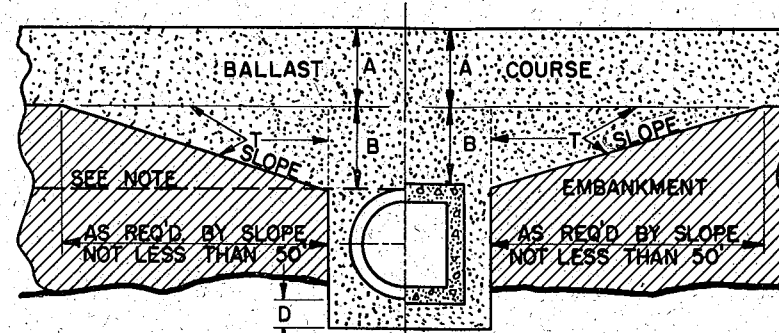
APPROVED

DIVISION ENGINEER

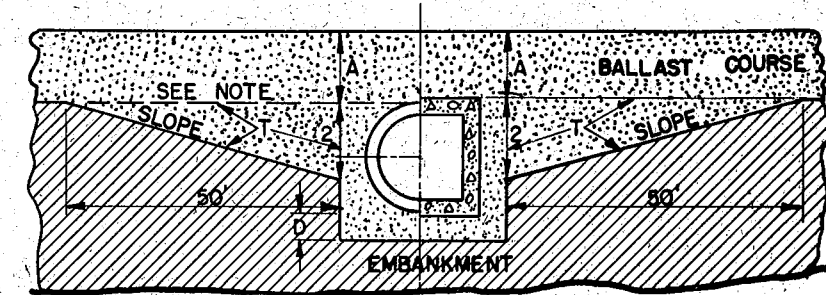


HALF SECTION - PIPE CULVERTS HALF SECTION - BOX CULVERTS  
 E = NOT LESS THAN 1/10 OUTSIDE DIAMETER.

**TREATMENT WHEN A+B IS OVER 5 FT.**



HALF SECTION - PIPE CULVERTS HALF SECTION - BOX CULVERTS  
 TREATMENT WHEN A+B IS FROM 0 TO 5 FT.  
 SLOPE NOT STEEPER THAN 25:1



HALF SECTION - PIPE CULVERTS HALF SECTION - BOX CULVERTS  
 TREATMENT WHEN B = 0  
 SLOPE NOT STEEPER THAN 25:1

**GENERAL NOTES**

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

DETAILS ARE NOT APPLICABLE FOR PRIVATE ENTRANCE CULVERTS.  
 DETAILS APPLY TO BOTH PIPE AND CONCRETE BOX CULVERTS UNLESS OTHERWISE SHOWN ON OTHER PARTS OF THE PLAN OR IN THE CONTRACT.  
 EXCAVATION FOR AREAS MARKED "T" WILL BE PAID FOR AT THE CONTRACT UNIT PRICES FOR PERTINENT ITEMS OF "ROADWAY AND DRAINAGE EXCAVATION", WHEN SUCH EXCAVATION CONSISTS OF MATERIAL NOT PLACED UNDER THE CURRENT CONTRACT. BACKFILL IN THESE AREAS TO BE PAID FOR AT THE PERTINENT UNIT PRICE BID FOR "SAND GRAVEL FILL" OR FOR MATERIAL USED.

THE ELEVATION OF THE EXISTING GROUND OR PREVIOUSLY PLACED AND COMPACTED EMBANKMENT SHALL BE AT LEAST IN THE PLANE OF THE

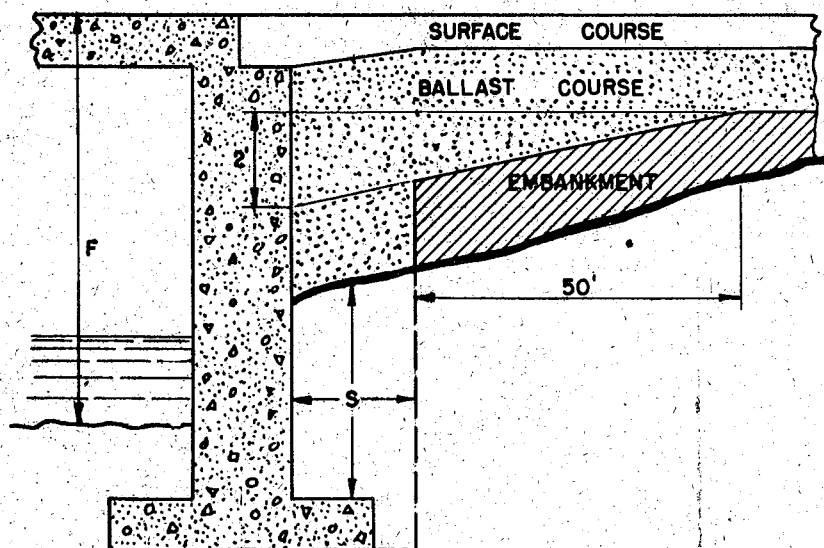
TOP OF THE PROPOSED CULVERT PRIOR TO EXCAVATING THE TRENCH.  
 IN THE CASE OF CONCRETE BOX CULVERTS, THE EXCAVATION BELOW THE BOTTOM AND NECESSARY TO PREPARE THE TRENCH WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE BID PER CUBIC YARD FOR "EXCAVATION FOR STRUCTURES, CULVERTS."

IN THE CASE OF PIPE CULVERTS, ALL EXCAVATION FOR FORMING THE BED SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LINEAR FOOT OF THE SEVERAL TYPES AND SIZES OF CULVERT PIPE.

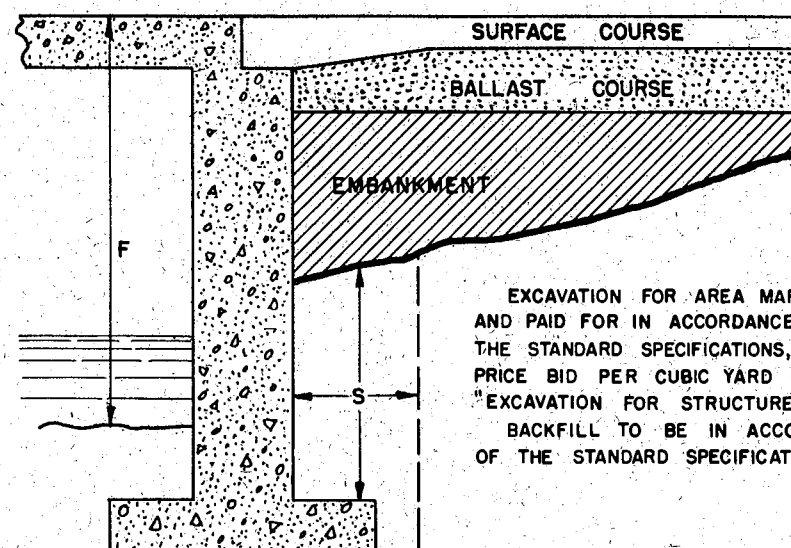
IN EITHER CASE, BACK FILL WILL BE PAID FOR AT THE PERTINENT CONTRACT PRICE FOR THE MATERIAL USED.

- A - DEPTH OF BALLAST COURSE.
- B - DISTANCE FROM TOP OF CULVERT TO BOTTOM OF BALLAST.
- D - VARIABLE DEPTH OF BALLAST BELOW CULVERT. MINIMUM-12"

F - DISTANCE FROM FINISHED SURFACE TO STREAM BED.



**TREATMENT WHEN F IS LESS THAN 10 FT.**



**TREATMENT WHEN F IS 10 FT. OR MORE.**

EXCAVATION FOR AREA MARKED "S" SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH SECTION 2107.04 OF THE STANDARD SPECIFICATIONS, AND AT THE CONTRACT UNIT PRICE BID PER CUBIC YARD OF ORIGINAL VOLUME FOR "EXCAVATION FOR STRUCTURES, BRIDGES."  
 BACKFILL TO BE IN ACCORDANCE WITH SECTION 2107.03 OF THE STANDARD SPECIFICATIONS.

**EXCAVATION AND BACKFILL FOR PIPE CULVERTS - BOX CULVERTS ABUTMENTS**

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

*Frank P. ...*  
 DESIGN ENGINEER

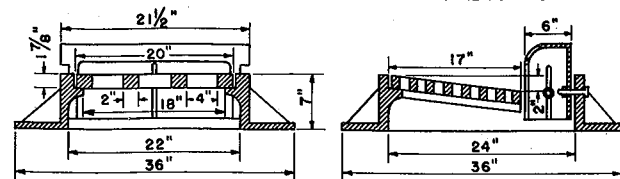
*... ..*  
 CONSTRUCTION ENGINEER

APPROVED OCT. 1, 1945

DRAWN N.F.C.  
 CHECKED F.C.

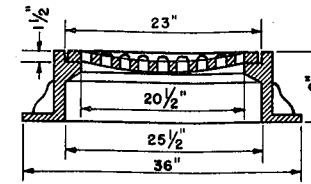
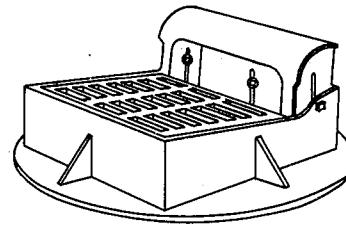
*E. L. ...*  
 STATE HIGHWAY ENGINEER

CURB BOX ADJUSTABLE 4" TO 9"  
ADJUST CURB BOX FOR HEIGHT  
AFTER CURB FORM IS IN PLACE.



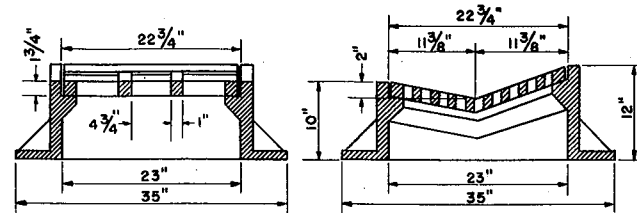
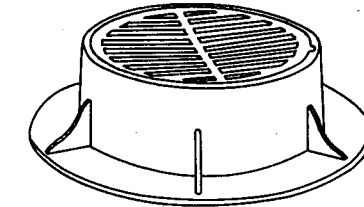
WEIGHT 430 LBS.

TYPE A



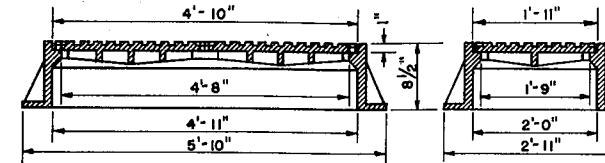
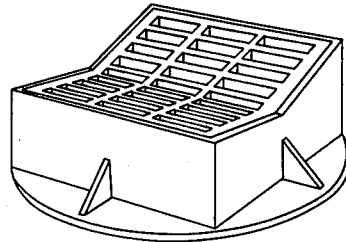
WEIGHT 350 LBS.

TYPE F



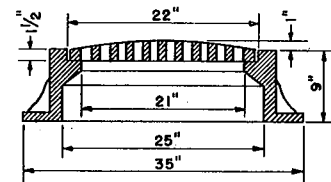
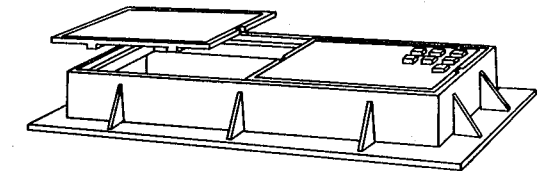
WEIGHT 440 LBS.

TYPE B



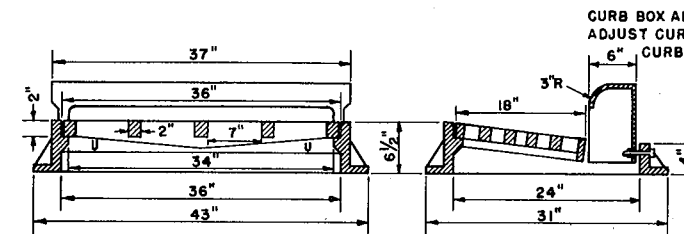
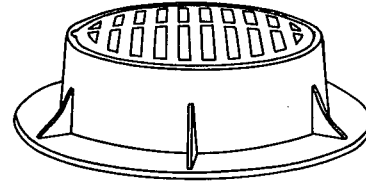
WEIGHT 1000 LBS

TYPE G



WEIGHT 310 LBS.

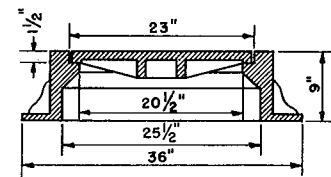
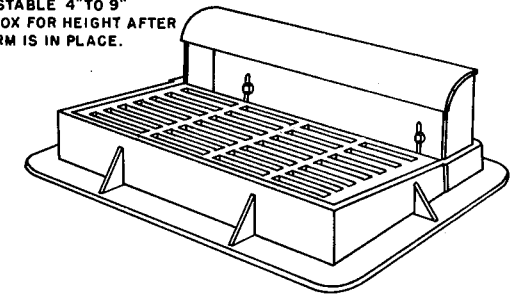
TYPE C



WEIGHT 500 LBS.

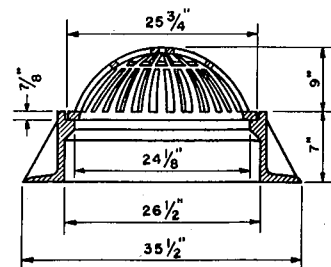
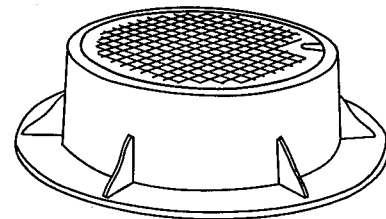
TYPE H

CURB BOX ADJUSTABLE 4" TO 9"  
ADJUST CURB BOX FOR HEIGHT AFTER  
6" CURB FORM IS IN PLACE.



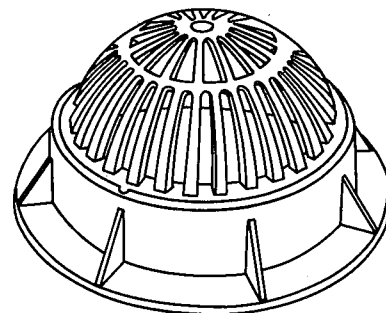
WEIGHT 400 LBS.

TYPE D



WEIGHT 325 LBS.

TYPE E



**CONSTRUCTION NOTES**

DETAILS RELATIVE TO THESE ITEMS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

VARIATIONS IN DIMENSIONS AND DESIGN WILL BE PERMISSIBLE PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

CATCH BASINS ARE CALLED FOR ON THE PLANS AS "CATCH BASINS 1-A", "CATCH BASINS 3-C", ETC., THE NUMERAL DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE LETTER DESIGNATES THE FIXTURE TO BE USED THEREON. CATCH BASIN FRAMES AND COVERS SUBJECT TO TRAFFIC TO BE MACHINED OR NON-ROCKING TYPE.

**CATCH BASIN COVERS**

STATE HIGHWAY COMMISSION OF WISCONSIN

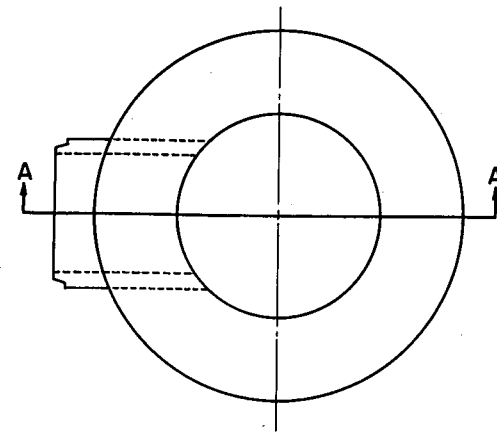
RECOMMENDED FOR APPROVAL:

DATE 4/27/53 *C. Bluk*  
CONSTRUCTION ENGINEER

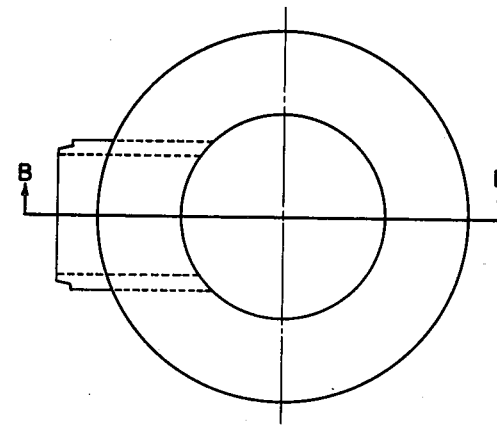
APPROVED:

DATE 4/27/53 *E. C. Rostlyys*  
STATE HIGHWAY ENGINEER

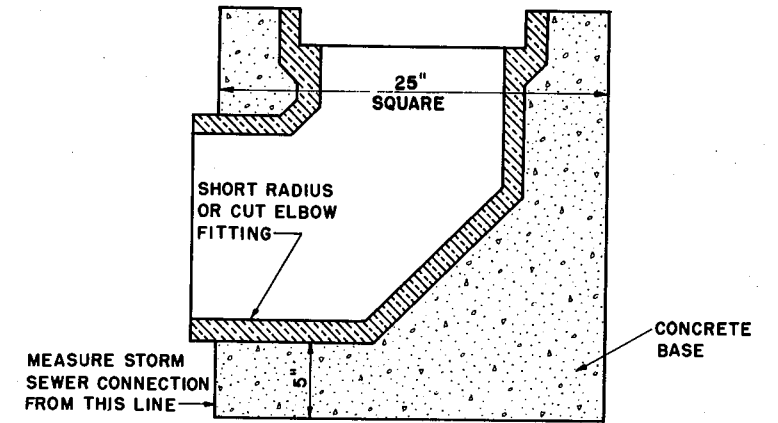
DRAWN LJD  
CHECKED



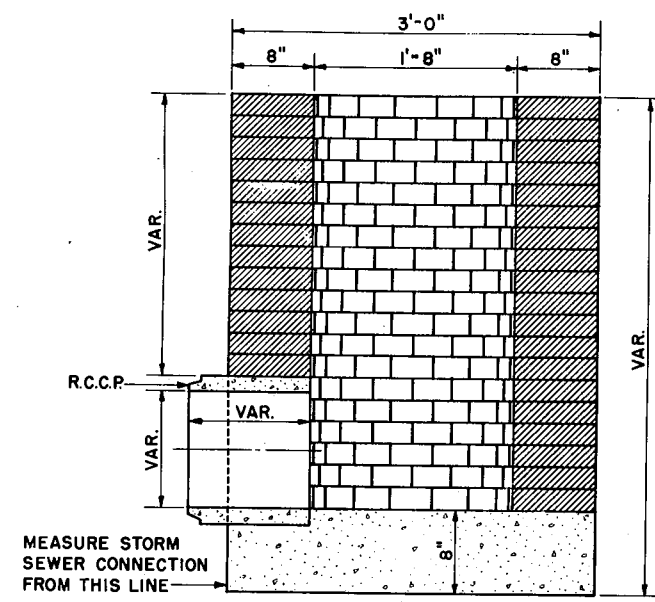
TOP OF INLET



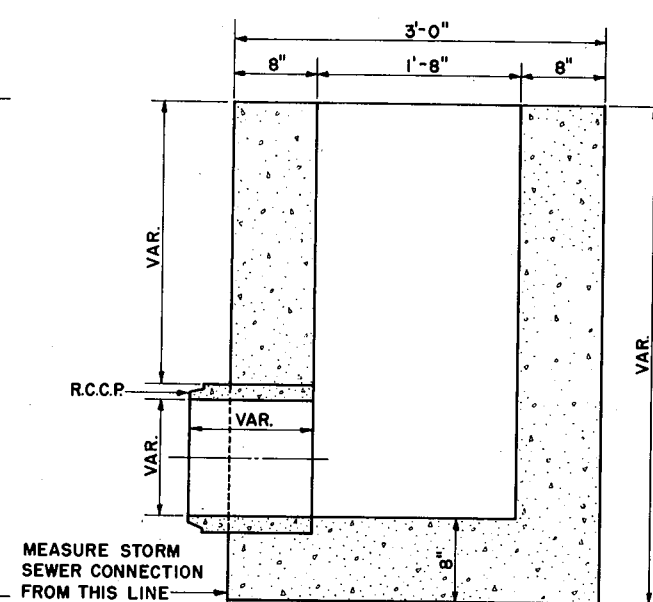
TOP OF INLET



TYPE 2



SECTION A-A  
BRICK



SECTION B-B  
CONCRETE

TYPE 1

**GENERAL NOTES**

DETAILS RELATIVE TO THESE ITEMS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS. VARIATIONS IN DIMENSIONS AND DESIGN WILL BE PERMISSIBLE PROVIDING EQUIVALENT CAPACITY AND STRENGTH ARE ATTAINED.

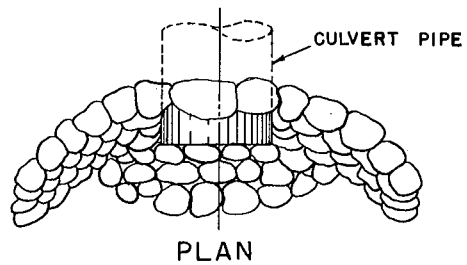
ARRANGEMENT, SIZE AND NUMBER OF INLET AND DISCHARGE PIPES SHALL CONFORM TO THE NEEDS OF THE PERTINENT LOCATION.

INLETS ARE CALLED FOR ON THE PLANS AS "INLETS 1-N," "INLETS 2-R," ETC., THE NUMERAL DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE LETTER DESIGNATES THE COVER TO BE USED THEREON.

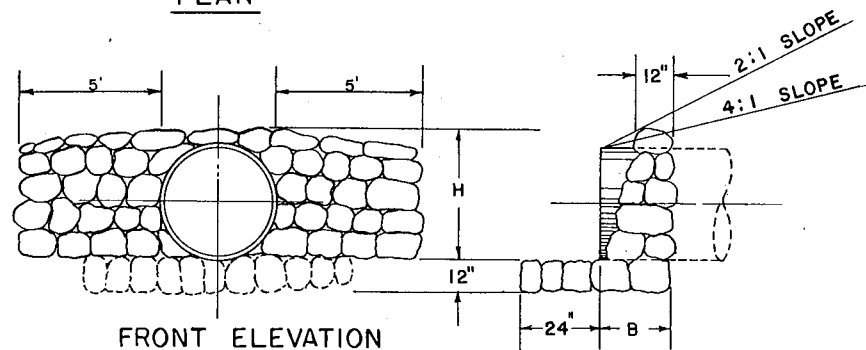
WHEN CONCRETE IS USED IN THE CONSTRUCTION OF TYPE 1 INLET, THE TOP OF THE MASONRY SHALL BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF COVER TO GRADE BY THE USE OF MORTAR AND BRICK.

INLETS	
STATE HIGHWAY COMMISSION OF WISCONSIN	
RECOMMENDED FOR APPROVAL:	
DATE 1/27/53	<i>[Signature]</i> CONSTRUCTION ENGINEER
APPROVED:	
DATE 1/27/53	<i>[Signature]</i> STATE HIGHWAY ENGINEER
DRAWN LJD	
CHECKED	

**RIP RAP HEADWALLS FOR CULVERTS UNDER ROADWAY**



PLAN



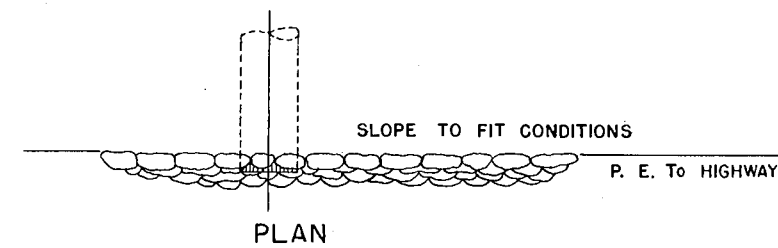
FRONT ELEVATION

DIAMETER OF PIPE	DIMENSIONS		CU. YDS. PER HDWL.
	H	B	
12"	18"	18"	1.0
15" & 18"	24"	18"	1.5
24"	30"	18"	2.0
30"	36"	21"	2.5
36"	42"	24"	3.0
42"	48"	27"	3.5
48"	54"	30"	4.0

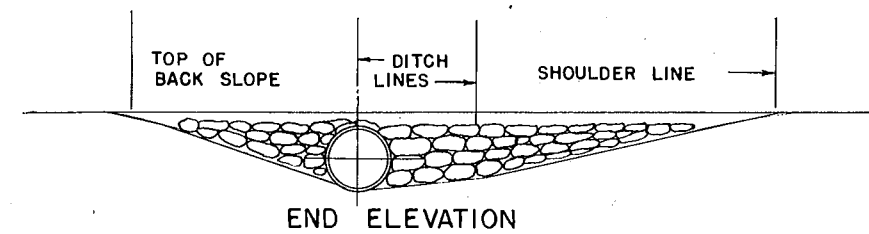
**CONSTRUCTION NOTES**

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

**RIP RAP HEADWALLS FOR CULVERTS UNDER SIDE ROADS & PRIVATE ENTRANCES**



PLAN



END ELEVATION

**CULVERT END WALLS**  
**RIP RAP TYPE "B"**

STATE HIGHWAY COMMISSION OF WISC.

RECOMMENDED FOR APPROVAL:

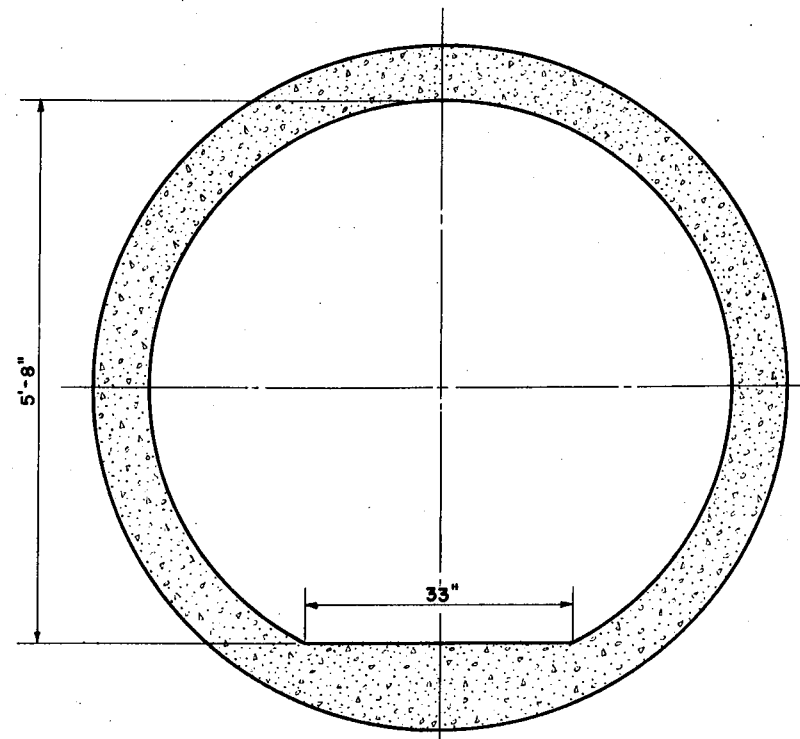
*Frank Crave*  
 DESIGN ENGINEER

*W. J. Smith*  
 CONSTRUCTION ENGINEER

APPROVED: OCT. 1, 1945

DRAWN DIV. 4  
 CHIEF ENGINEER

*W. J. Smith*  
 STATE HIGHWAY ENGINEER

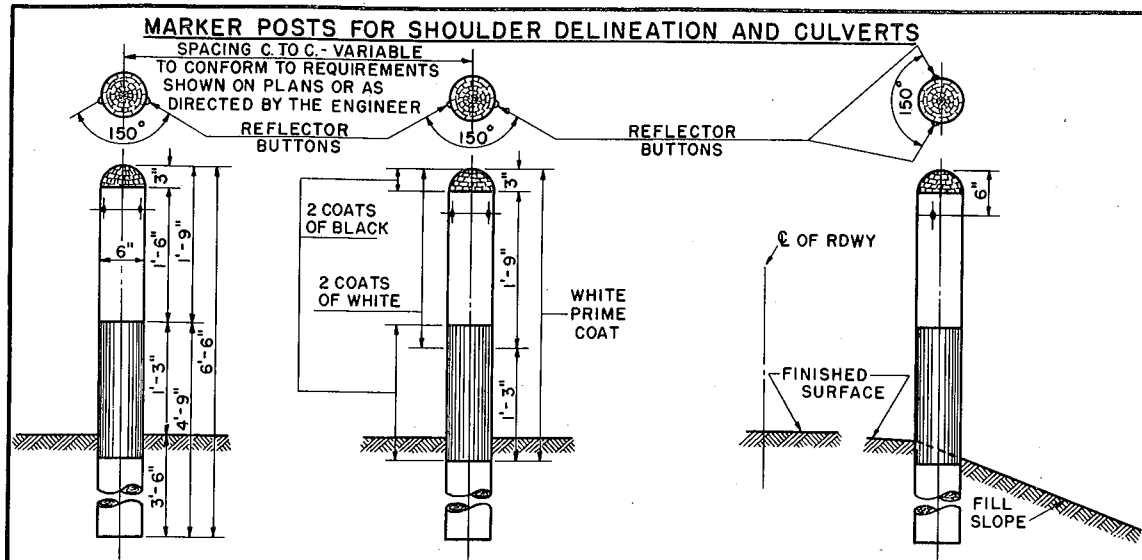


TYPICAL SECTION

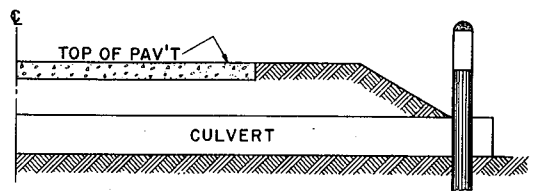
**GENERAL NOTES**

DETAILS RELATIVE TO THIS ITEM SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTIONS 2411 & 4115, AND THE APPLICABLE SPECIAL PROVISIONS.

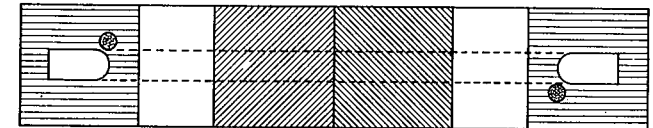
<b>REINFORCED CONCRETE CULVERT</b>	
<b>PIPE CATTLE PASS 72"</b>	
STATE HIGHWAY COMMISSION OF WISCONSIN	
RECOMMENDED FOR APPROVAL:	
DATE <u>3/31/52</u>	<u>A. B. Black</u> CONSTRUCTION ENGINEER
APPROVED:	
DATE <u>3/31/52</u>	<u>E. C. Rozell</u> STATE HIGHWAY ENGINEER
DRAWN LJD	
CHECKED	



**ELEVATION SHOWING SPACING**  
 SPACING OF MARKER POSTS FOR VARYING LENGTHS OF SHOULDER TO BE PROTECTED  
 100 FT. TO 500 FT. .... 50 FT.  
 500 FT. OR MORE ..... 100 FT.  
 SEE MISCELLANEOUS QUANTITY SHEET OF PLANS



**SECTION WITH CULVERT MARKER**



**PLAN SKETCH**

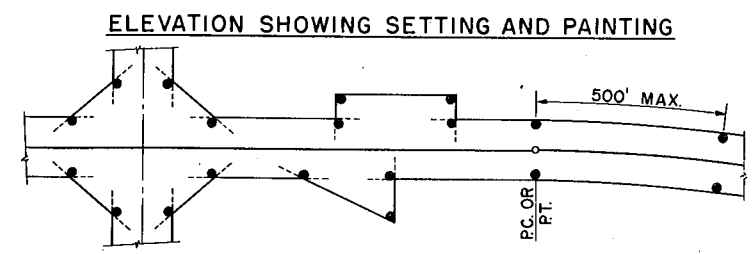
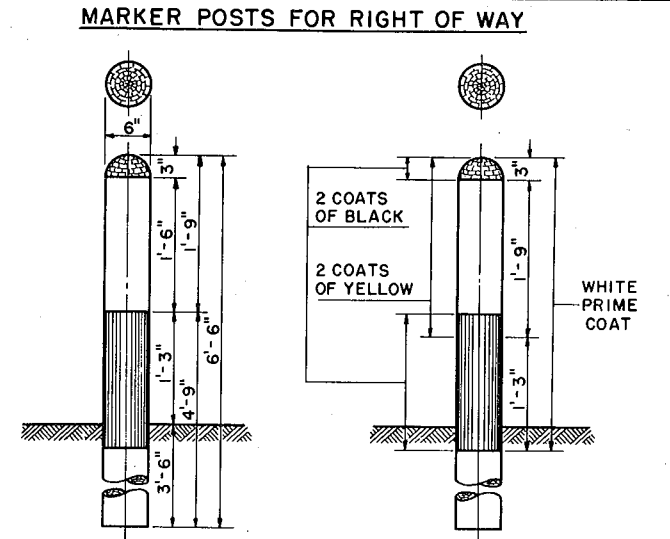
**CONSTRUCTION NOTES**

REFLECTOR BUTTONS SHALL BE SIZE NO. 1 CRYSTAL, COMPLETE WITH CLIP FOR WOOD MOUNTING. DRILL MOUNTING HOLE TO FIT BUTTON (GENERALLY 7/8 DIAMETER).

MARKER POST AS CULVERT MARKER TO BE PLACED AT BOTH ENDS OF CULVERT ON NEAR SIDE OF CULVERT. NO REFLECTOR BUTTON REQUIRED.

**GENERAL NOTES**

DETAILS FOR THIS ITEM SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



**TYPICAL PLAN SHOWING LAYOUT OF POSTS**

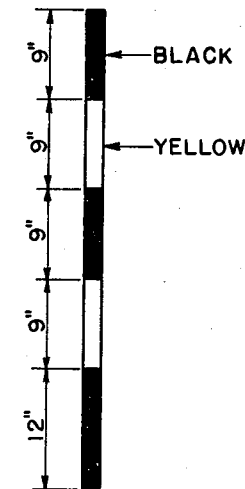
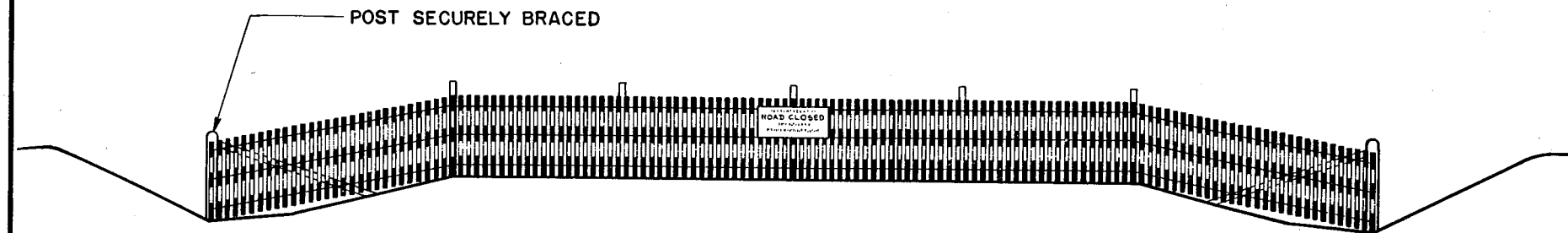
**CONSTRUCTION NOTES**

RIGHT OF WAY MARKER POSTS SHALL BE ERECTED IN ADVANCE OF GRADING OPERATIONS.  
 POSTS MAY BE SHAPED AND PAINTED PRIOR TO SETTING. ANY DAMAGE TO PAINT SURFACE DURING ERECTION MUST BE TOUCHED UP BEFORE ACCEPTANCE.  
 THE POSTS SHALL BE PLACED AT THE OUTER LIMITS OF THE HIGHWAY BUT ENTIRELY WITHIN THE R/W, AND SHALL BE SO PLACED THAT THE OUTER EDGE OF THE POST WILL BE TANGENT TO THE R/W LINE OR LINES EXTENDED.  
 THE EXACT LOCATION SHALL BE STAKED IN THE FIELD BY THE ENGINEER.

<b>MARKER POSTS</b>	
STATE HIGHWAY COMMISSION OF WISCONSIN	
RECOMMENDED FOR APPROVAL:	
DATE <u>4/17/52</u>	<u>[Signature]</u> CONSTRUCTION ENGINEER
APPROVED:	
DATE <u>4/17/52</u>	<u>[Signature]</u> STATE HIGHWAY ENGINEER
DRAWN LJD	
CHECKED	

SECTION OF SNOW FENCE TO BE PAINTED ALTERNATELY BLACK AND YELLOW AS SHOWN BELOW.  
 LENGTH TO BE SUFFICIENT TO REACH FROM TOE OF THE BACKSLOPE TO TOE OF THE BACKSLOPE.  
 PROVIDE SUFFICIENT NUMBER OF INTERMEDIATE POSTS TO ADEQUATELY SUPPORT THE FENCE.

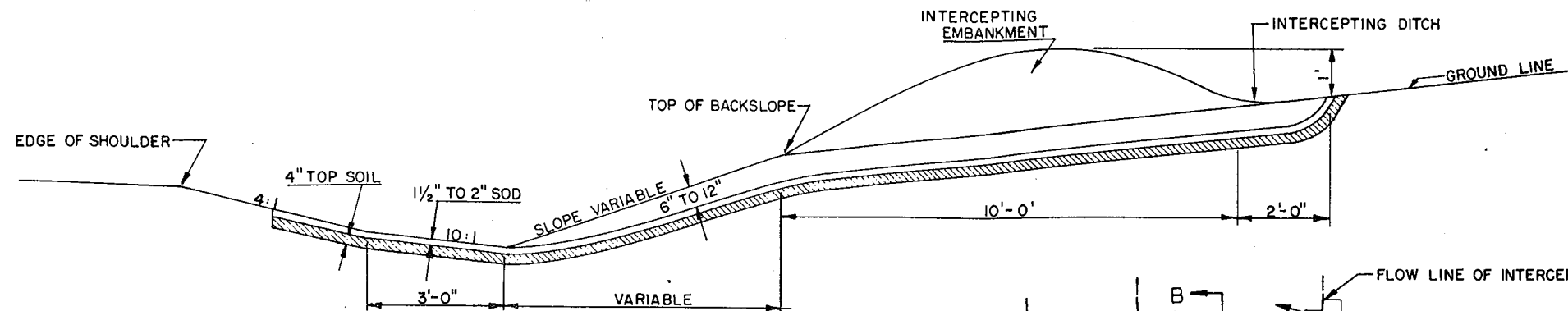
STANDARD "ROAD CLOSED" SIGN (W.H.C.- NO. R-15) TO BE ERECTED ON FENCE AT THE TOP ON  
 THE CENTERLINE OF ROAD. SIGN WILL BE FURNISHED BY COMMISSION.



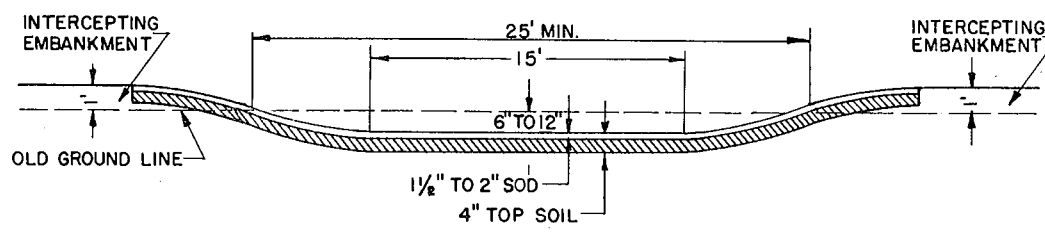
DETAIL SHOWING METHOD OF STRIPING  
 FOR 4' SNOW FENCE.

STATE HIGHWAY COMMISSION OF WISCONSIN	
<b>CONSTRUCTION BARRICADE</b>	
RECOMMENDED FOR APPROVAL:	
<i>Frank Orase</i> DESIGN ENGINEER	
<i>A. Bluh</i> CONSTRUCTION ENGINEER	
APPROVED:	
DRAWN H.M.	OCT. 1, 1945 <i>E. G. Follmer</i>
CHECKED WHG	DATE STATE HIGHWAY ENGINEER





**SECTION A-A**

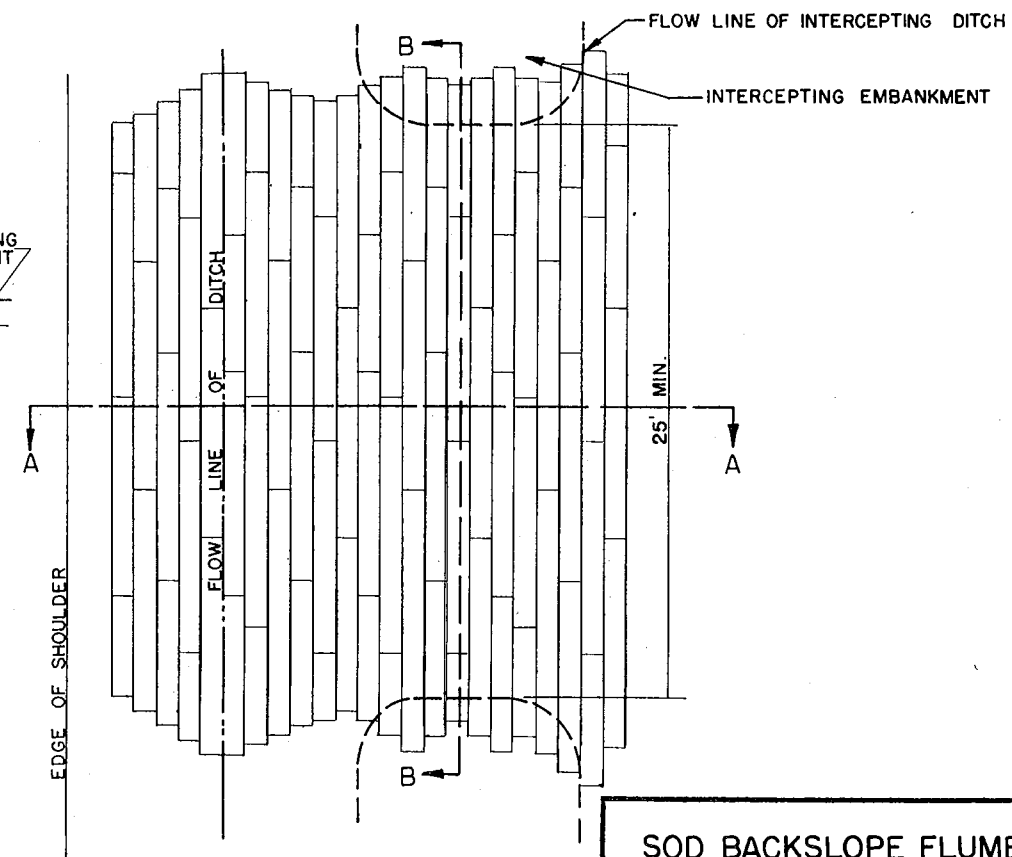


**SECTION B-B**

NOTE: WIDTH TO BE DETERMINED IN FIELD DEPENDENT UPON AREA, CONTOUR, OUTLET AND SLOPE OF DRAINAGE AREA.

**CONSTRUCTION NOTES**

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



**PLAN**

<b>SOD BACKSLOPE FLUME</b>	
STATE HIGHWAY COMMISSION OF WISC.	
RECOMMENDED FOR APPROVAL	
<i>Frank Crav</i> DESIGN ENGINEER	
<i>W. Bluh</i> CONSTRUCTION ENGINEER	
APPROVED - OCT. 1, 1945	
DRAWN	<i>W. Bluh</i> STATE HIGHWAY ENGINEER
CHECKED D.F.C.	



# DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

CONTRACT NO. 2

PROJECT F 6801(7)  
F 05-3(17) 3A 79

CLEARING		GRUBBING		SODDING		INTERCEPTING EMBANKMENT		
STA. TO	STA.	STA. TO	STA.	STA. TO	STA.	STA. TO	STA.	LIN. SIDE
								FT. L. ORR.
4 - 11	7	4 - 11	7	DITCHES				
31 - 32	1	70 - 72	2	38+50 - 40+50	L. & R.	533	39+00 - 49+00	1000 L.
69 - 70	1	72 - 75	3	101+45 - 103+80	L.	653	61+20 - 69+00	780 L.
70 - 72	2	86 - 87	1	108+00 - 110+00	L. & R.	533	76+50 - 92+50	1600 L.
86 - 87	1	115 - 117	2	117+50 - 120+00	L. & R.	667	112+00 - 115+00	300 L.
115 - 117	2	127 - 132	5	130+60 - 132+00	R.	187	117+00 - 121+00	400 L.
127 - 132	5	135 - 139	4	142+00 - 144+00	L. & R.	533	123+00 - 128+00	500 R.
135 - 139	4	147 - 148	1	177+25 - 179+00	L. & R.	467	142+50 - 158+50	1600 R.
147 - 148	1	163 - 179	16	201+00 - 204+00	L. & R.	800	177+00 - 185+50	850 R.
163 - 179	16	186 - 187	1	230+50 - 232+50	R.	267		
187 - 188	1	187 - 188	1					
191 - 192	1	191 - 192	1					
				FLUMES				
				86+25	L.	180		

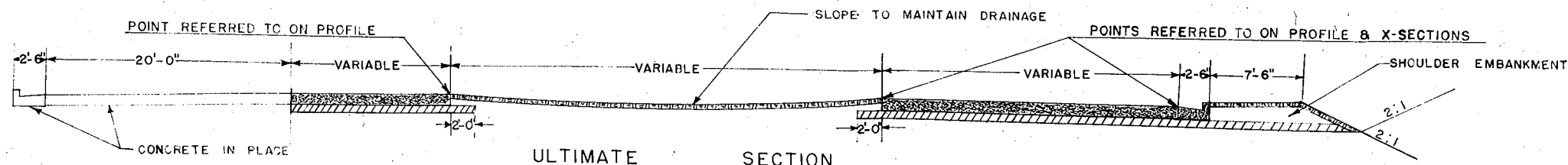
STATION	GRAVELS-G. FILL		SIZE	LENGTH	TYPE	C.C.P.	R.C.C.P.	RIP RAP	MARKERS
	C. Y.	C. Y.							
24+00		30	30"	100	R.C.C.P.	✓			5 2
32+00	30	60							PE. 2
32+93		280	6'X5'	695	R.C.C.	✓			2
47+00	15	40							PE. 2
49+50	15	40							PE. 2
50+43		180	72"	66	R.C.C.P.	✓			14 2
51+00		340	72"	66	R.C.C.P.	✓			14 2
53+00	15	40							PE. 2
53+00	15	40							PE. 2
61+21		150	42"	84	R.C.C.P.	✓			7 2
69+45	310	110							S.R.S.R.
71+77			6'X5'	78.0	R.C.C.	✓			2
75+00		30	30"	82	R.C.C.R.	✓			5 2
77+00	15	40	24"	30	C.P.				PE. 4
77+50	15	40	24"	30	C.P.				PE. 4
86+25		260	24"	58	R.C.C.P.	✓			4 2
93+65		85	72"	82	R.C.C.P.	✓			14 2
100+76	430	110							S.R.S.R.
101+45		30	36"	96	R.C.C.P.	✓			6 2
108+50	15	40	24"	30	C.P.				PE. 4
108+50	15	40	24"	30	C.P.				PE. 4
116+00		500	24"	74	R.C.C.R.	✓			4 2
118+00	15	40	18"	30	C.P.				PE. 3
126+50	15	40	18"	30	C.P.				PE. 3
126+50	15	40	18"	30	C.P.				PE. 3
130+60		25	24"	96	R.C.C.P.	✓			4 2
9'0" + 00	30		18"	36	C.P.				PE. 3
132+15	265	110							S.R.S.R.
137+60			6'X6'	110.5	R.C.C.	✓			2
140+50	15	40	24"	30	C.P.				PE. 4
158+50	15	40	18"	30	C.P.				PE. 3
158+50	15	40	18"	30	C.P.				PE. 3
160+20		25	24"	92	R.C.C.P.	✓			4 2
8'E" + 05	30		24"	30	C.P.				PE. 4
8'E" + 05	15		18"	30	C.P.				PE. 3
12"E" + 00	15		18"	30	C.P.				PE. 3
163+48	430	110							S.R.S.R.
165+67		30	30"	78'	R.C.C.P.	✓			5 2
169+00	15	30							PE. 3
175+10		95	72"	102	R.C.C.P.	✓			14 2
185+00	15	30	18"	30	C.P.				PE. 3
185+00	15	30	18"	30	C.P.				PE. 3
188+80		90	72"	86	R.C.C.P.	✓			14 2
202+00	15	30	18"	30	C.P.				PE. 3
202+00	15	30	18"	30	C.P.				PE. 3
206+00		260	24"	58	R.C.C.P.	✓			4 2
219+00	15	30	18"	30	C.P.				PE. 3
225+00	15	30	18"	30	C.P.				PE. 3

FINISHING ROADWAY		GROUTED RUBBLE		PAVING		INLETS AND PIPES				
STA. TO	STA.	STATION	SQ. YD.	STATION	SIDE	INLET TYPE	R.C.C.P.	P.S.S.	12" RIPRAP	MARKERS
12+40 - 22+40	10	50+43	50	14+00	R.	I-F	54'		I.O. C.Y.	1
22+40 - 140+00	117.6	51+00	50							
142+00 - 206+00	64.0	71+77	50							
208+00 - 222+00	14.0	93+65	50							
7'A" + 80 - 11'A" + 75	3.6	137+60	50							
6'B" + 50 - 12'B" + 80	5.2	175+10	50							
7'C" + 00 - 11'C" + 25	3.3	188+80	50							
6'E" + 00 - 12'E" + 40	5.3									

SAND GRAVEL FILL UNDER 44' RDW'Y.  
(INCLUDES 10% SHRINKAGE)  
STA. 10+50 TO STA. 22+40 - 3315 C.Y.  
STA. 22+40 TO STA. 222+00 - 44963 C.Y.

CONTRACT \*2 GRAVEL OR CRUSHED STONE  
BASE COURSE UNDER 44' RDW'Y.  
(INCLUDES 30% SHRINKAGE)  
STA. 8+00 TO STA. 22+40 - 1968 C.Y.  
STA. 22+40 TO STA. 222+00 - 23472 C.Y.

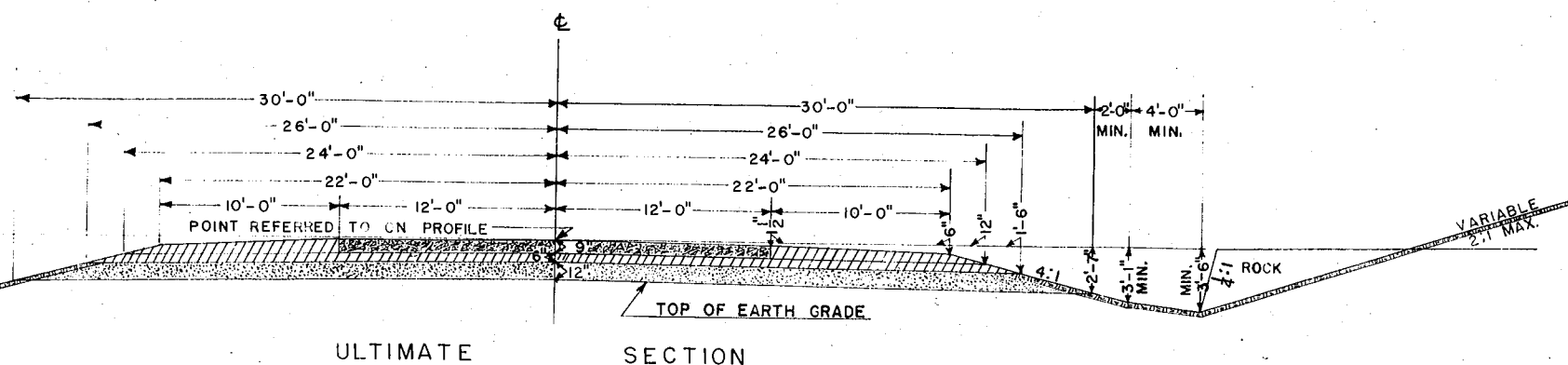




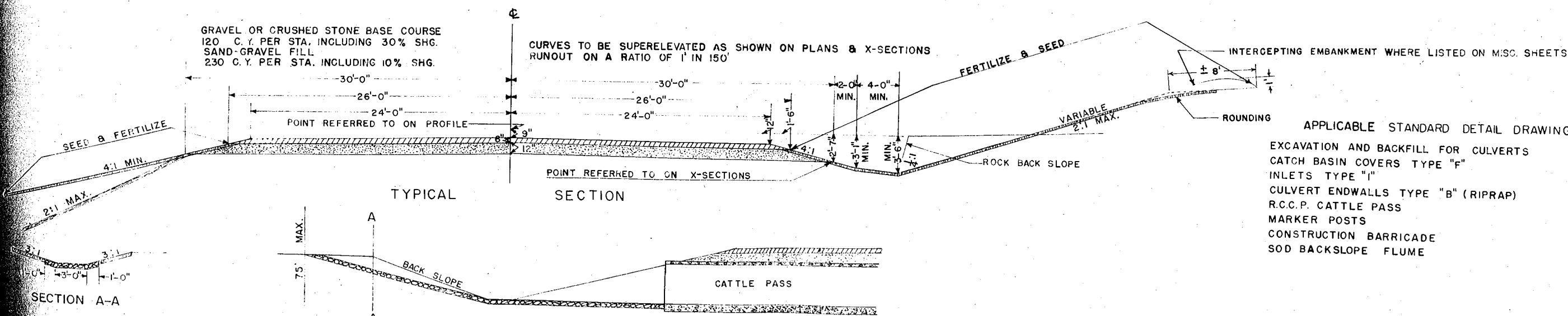
ULTIMATE SECTION  
AT  
CHANNELIZED INTERSECTION  
VARIABLE-SEE PLAN PROFILE AND X-SECTIONS

LEGEND

- P. C. CONCRETE PAVEMENT
- GRAVEL OR CRUSHED STONE BASE COURSE
- SAND GRAVEL FILL
- 3" DEPTH SALVAGED TOP SOIL
- SODDING
- GROUTED RUBBLE PAVING



ULTIMATE SECTION



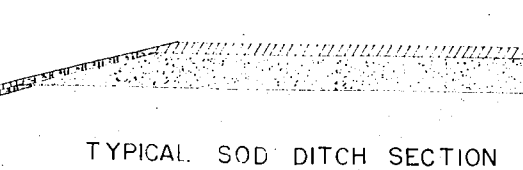
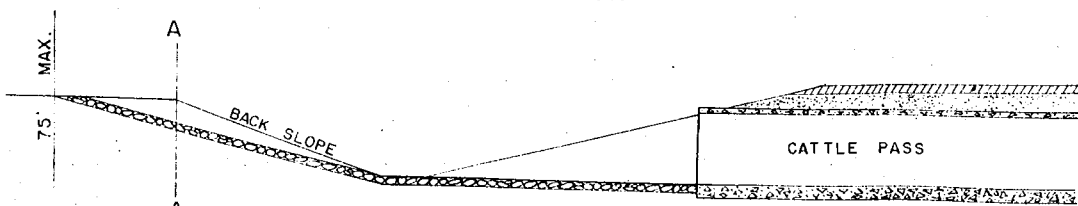
TYPICAL SECTION

APPLICABLE STANDARD DETAIL DRAWING

- |                                      |         |
|--------------------------------------|---------|
| EXCAVATION AND BACKFILL FOR CULVERTS | 1-2.1.1 |
| CATCH BASIN COVERS TYPE "F"          | 5-3.4.2 |
| INLETS TYPE "I"                      | 5-3.5.1 |
| CULVERT ENDWALLS TYPE "B" (RIPRAP)   | 6-2.2.1 |
| R.C.C.P. CATTLE PASS                 | 6-6.1.1 |
| MARKER POSTS                         | 7-1.3.1 |
| CONSTRUCTION BARRICADE               | 7-4.1.1 |
| SOD BACKSLOPE FLUME                  | 8-2.1.1 |

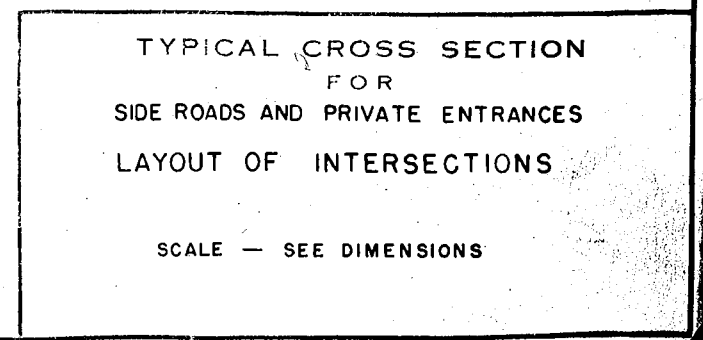
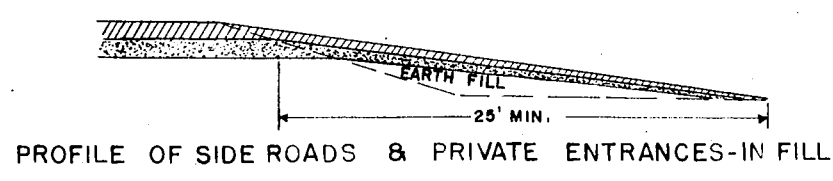
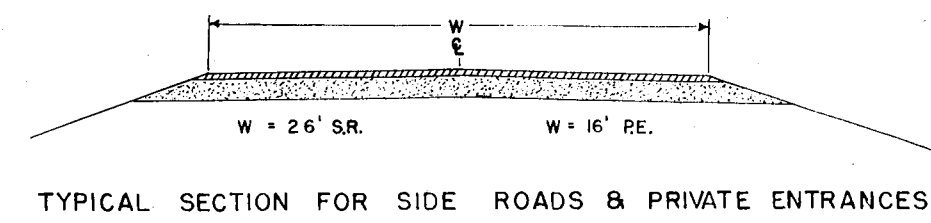
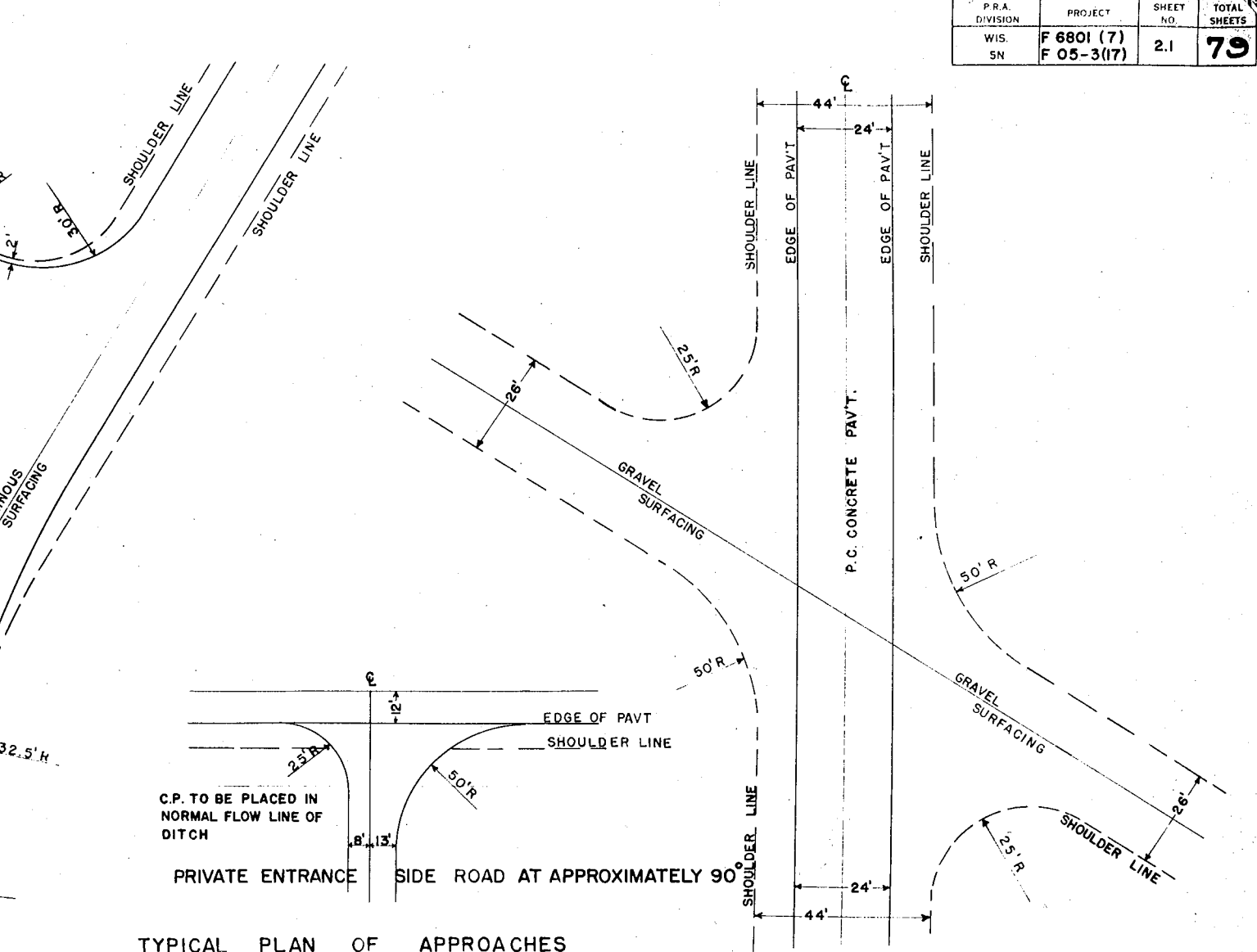
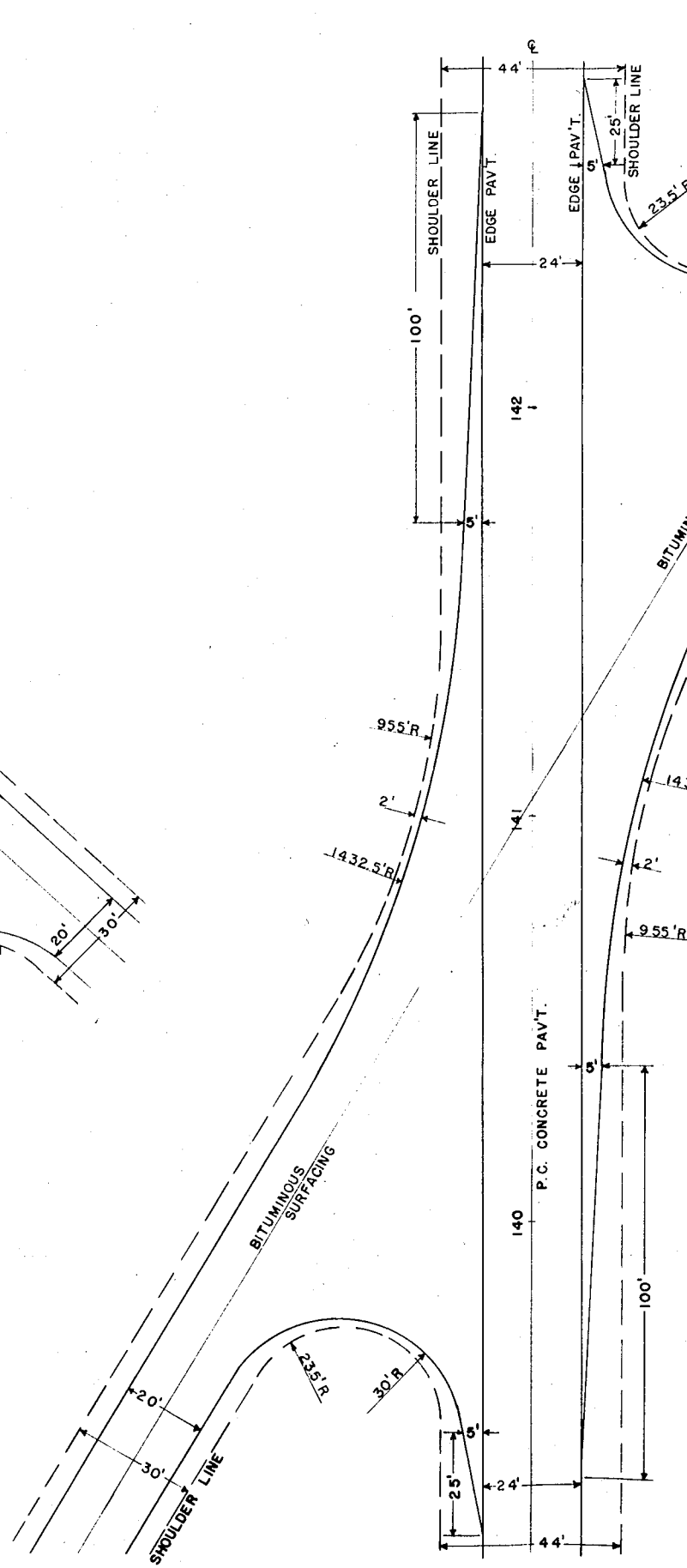
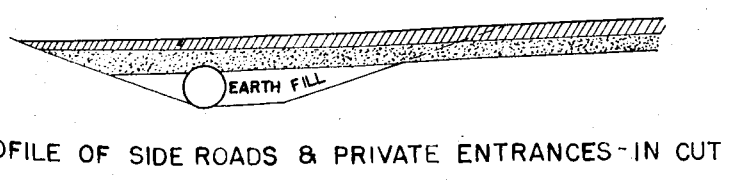
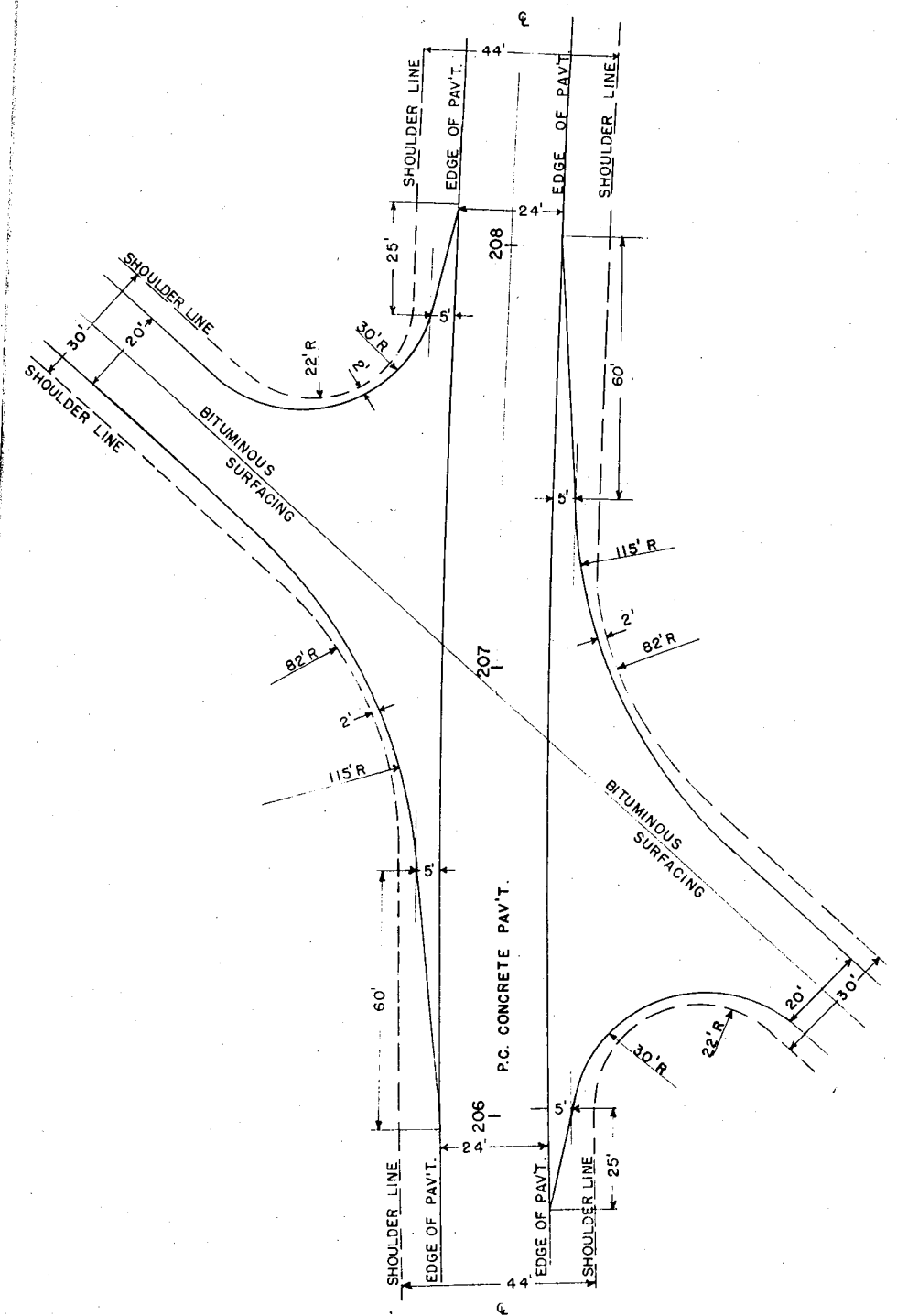
TYPICAL SECTION SHOWING GROUTED RUBBLE PAVING AT CATTLE PASSES

SECTION A-A

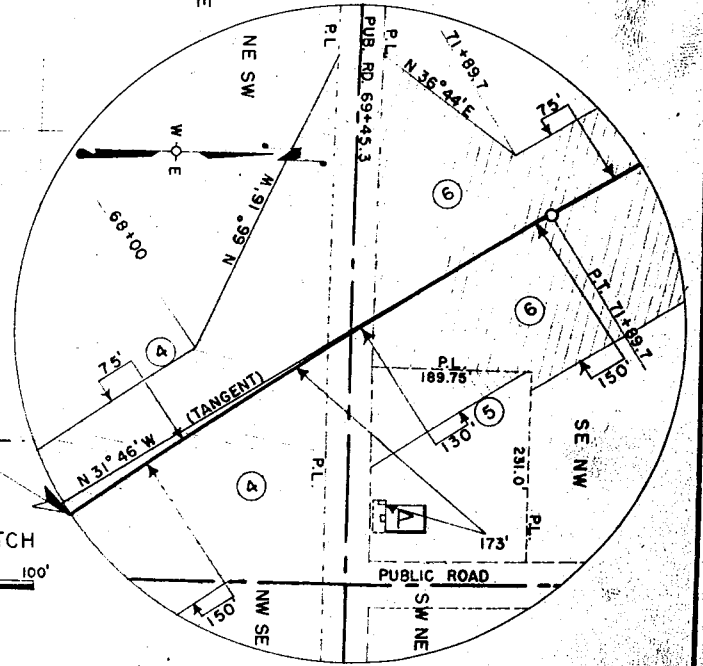
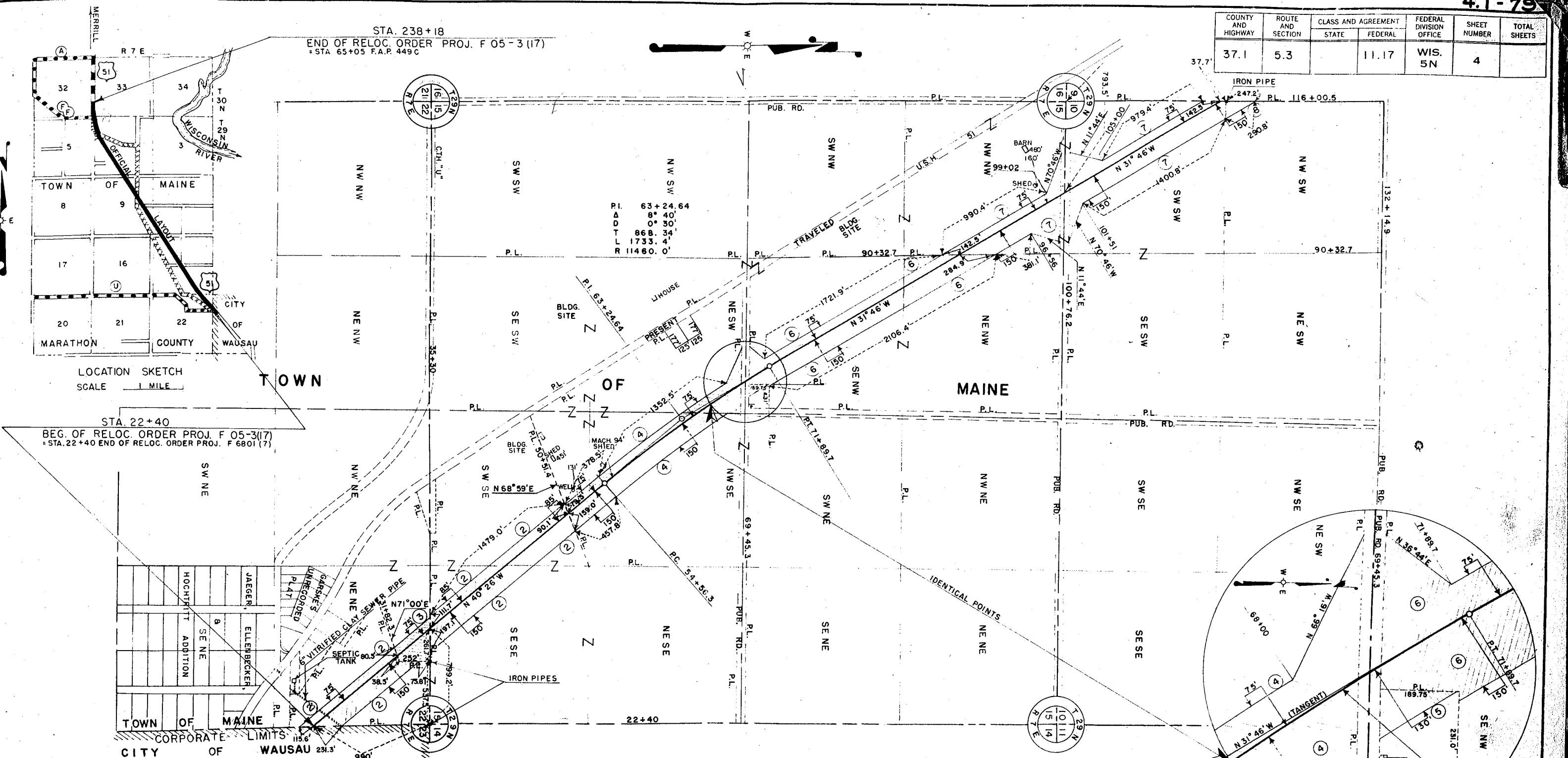


TYPICAL SOD DITCH SECTION

TYPICAL CROSS SECTION  
FOR  
24' P.C. CONCRETE PAVEMENT  
44' ROADBED  
SCALE - SEE DIMENSIONS



COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.1	5.3		11.17	WIS. 5N	4	



**SCHEDULE OF LAND AND INTERESTS REQUIRED**  
NOTE: ACQUIRE EASEMENTS FOR HIGHWAY PURPOSES EXCEPT AS OTHERWISE SPECIFIED

PAR.	OWNER	DESCRIPTION	ACRES			INTERESTS REQUIRED	MOVING FENCE		
			CULT.	WILD	TOTAL		WOVEN	BARBED	NEW FENCE
2	CHARLES CARAZALLA	NE NE SEC. 22 S 1/2 SE SEC. 15 T 29 N R 7 E	13.05		13.05			303	
3	ABE NATARUS	NE NE SEC. 22 T 29 N R 7 E	1.56		1.56			23	
4	LOUIS SCHNELLE	W 1/2 SE 1/4 NE SW SEC. 15 T 29 N R 7 E	9.64	0.39	10.03			235	
5	SCHOOL DIST. NO. 6	SE NW SEC. 15 T 29 N R 7 E	0.20		0.20			12	
6	WILLIAM LONSDORF	E 1/2 NW SEC. 15 T 29 N R 7 E	3.33	7.78	11.11			249	
7	ARNOLD MARKS	NW NW SEC. 15 SW SW SEC. 10 T 29 N R 7 E	9.61	5.31	14.92			312	
8	WALTER SCHULZ	NW SW SEC. 10 T 29 N R 7 E	0.41		0.41			17	

STATE HIGHWAY COMMISSION OF WISCONSIN  
 PLAT OF RIGHT OF WAY REQUIRED  
 PROJECT F 05-3(17)  
 WAUSAU - MERRILL ROAD  
 U.S.H. 51 MARATHON COUNTY

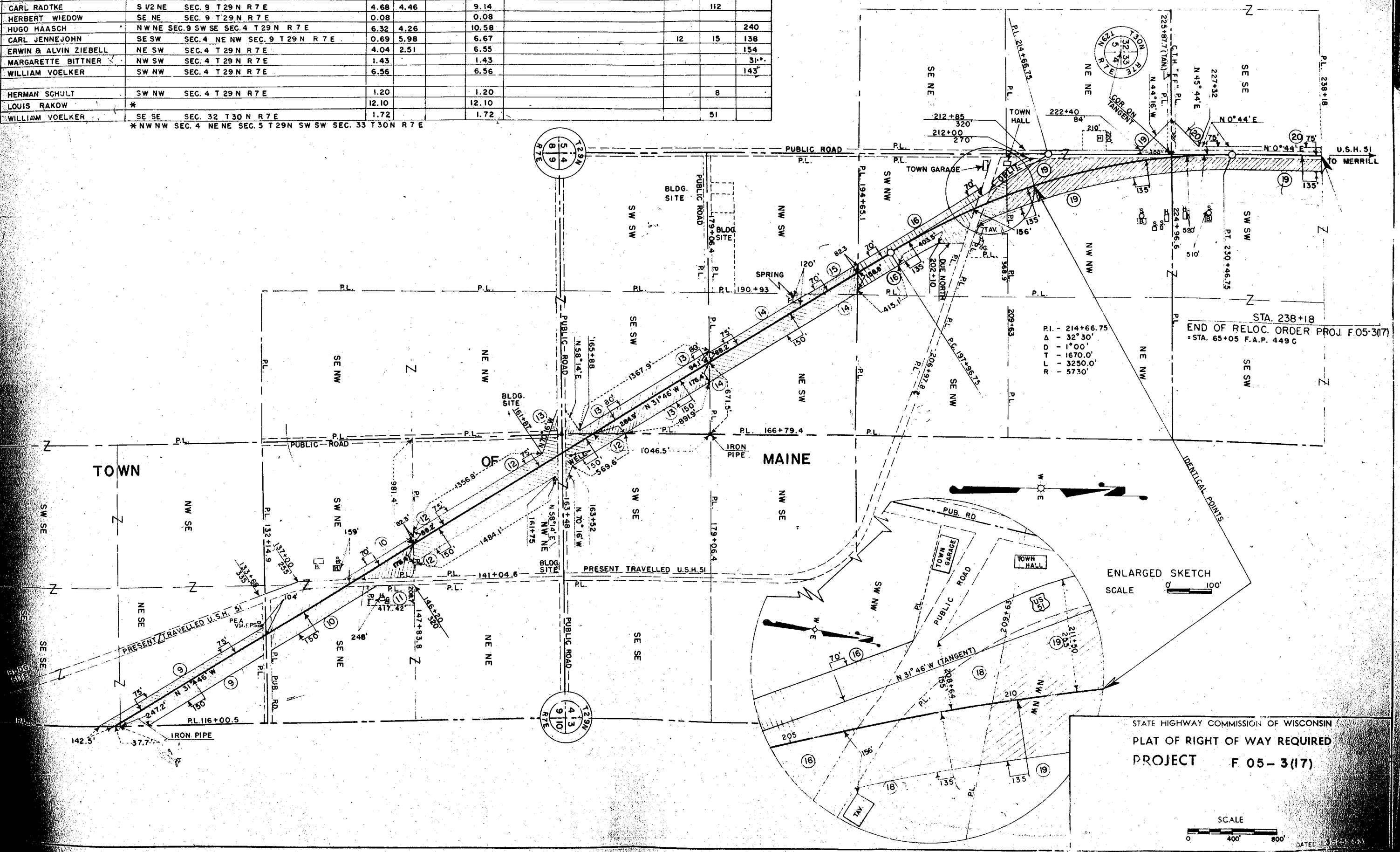
SCALE  
 0 400' 800'  
 LENGTH 4.087 MILES DATED 3-25-51

**SCHEDULE OF LAND AND INTERESTS REQUIRED**  
 NOTE: ACQUIRE EASEMENTS FOR HIGHWAY PURPOSES EXCEPT AS OTHERWISE SPECIFIED

PAR.	OWNER	DESCRIPTION	ACRES			INTERESTS REQUIRED	MOVING FENCE		NEW FENCE
			CULT.	WILD	TOTAL		WOVEN	BARBED	
9	JOSEPH WALDVOGEL	E 1/2 SE SEC. 9 T29N R7E	6.23	1.55	7.78			183	
10	CARL RADTKE	S 1/2 NE SEC. 9 T29N R7E	4.68	4.46	9.14			112	
11	HERBERT WIEDOW	SE NE SEC. 9 T29N R7E	0.08		0.08				
12	HUGO HAASCH	NW NE SEC. 9 SW SE SEC. 4 T29N R7E	6.32	4.26	10.58			240	
13	CARL JENNEJOHN	SE SW SEC. 4 NE NW SEC. 9 T29N R7E	0.69	5.98	6.67		12	15	
14	ERWIN & ALVIN ZIEBELL	NE SW SEC. 4 T29N R7E	4.04	2.51	6.55			154	
15	MARGARETTE BITTNER	NW SW SEC. 4 T29N R7E	1.43		1.43			31	
16	WILLIAM VOELKER	SW NW SEC. 4 T29N R7E	6.56		6.56			143	
18	HERMAN SCHULT	SW NW SEC. 4 T29N R7E	1.20		1.20			8	
19	LOUIS RAKOW	*	12.10		12.10				
20	WILLIAM VOELKER	SE SE SEC. 32 T30N R7E	1.72		1.72			51	

\*NW NW SEC. 4 NENE SEC. 5 T29N SW SW SEC. 33 T30N R7E

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
37.1	5.3	11.17	WIS. 5N	4.1	



STA. 238+18  
 END OF RELOC. ORDER PROJ. F 05-3(17)  
 = STA. 65+05 F.A.P. 449 C

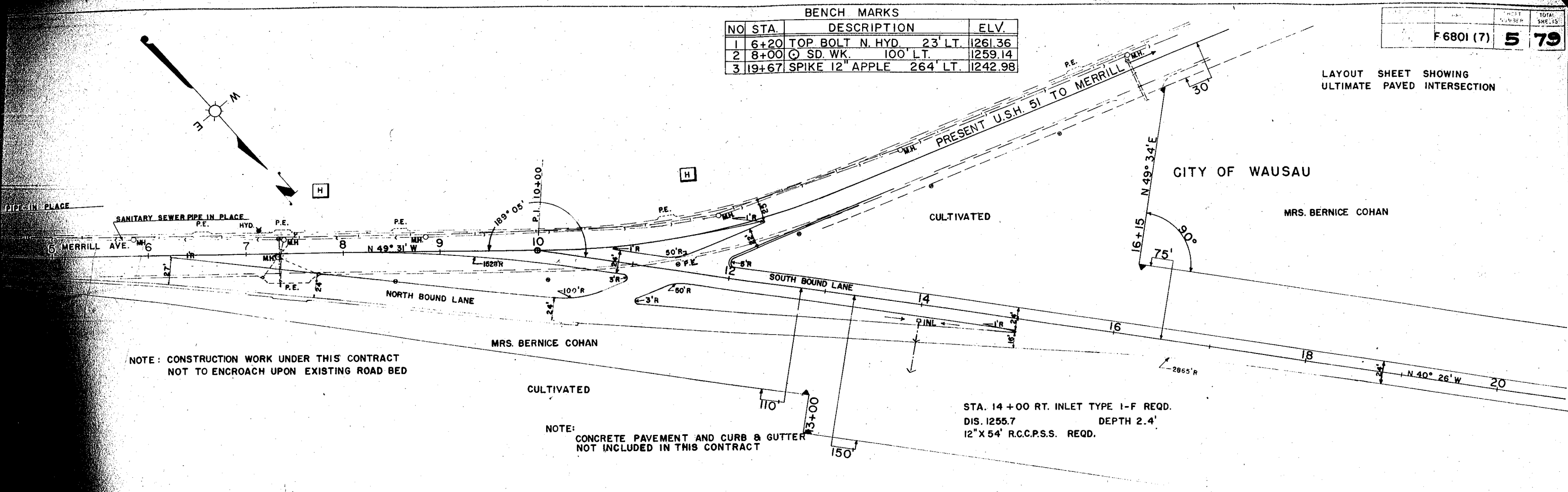
ENLARGED SKETCH  
 SCALE 0 100'

STATE HIGHWAY COMMISSION OF WISCONSIN  
 PLAT OF RIGHT OF WAY REQUIRED  
 PROJECT F 05-3(17)  
 SCALE 0 400' 800'  
 DATE: 3-22-53



BENCH MARKS			
NO	STA.	DESCRIPTION	ELV.
1	6+20	TOP BOLT N. HYD. 23' LT.	1261.36
2	8+00	SD. WK. 100' LT.	1259.14
3	19+67	SPIKE 12" APPLE 264' LT.	1242.98

LAYOUT SHEET SHOWING  
ULTIMATE PAVED INTERSECTION



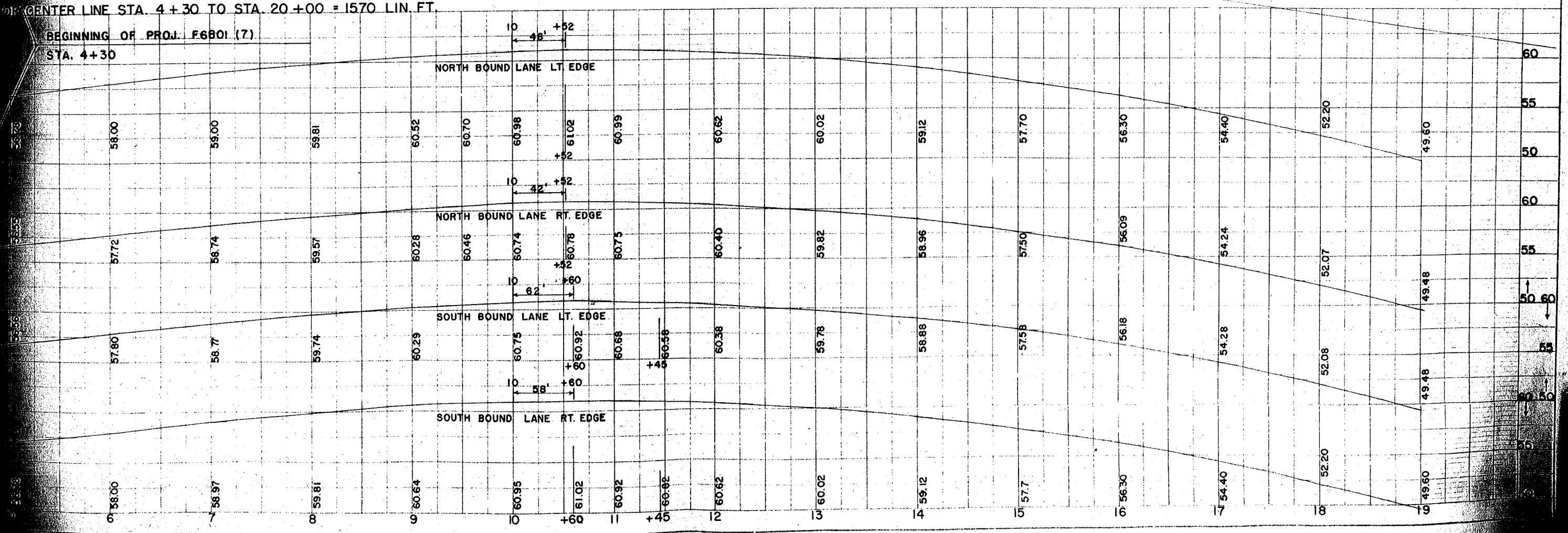
NOTE: CONSTRUCTION WORK UNDER THIS CONTRACT  
NOT TO ENCR OACH UPON EXISTING ROAD BED

NOTE:  
CONCRETE PAVEMENT AND CURB & GUTTER  
NOT INCLUDED IN THIS CONTRACT

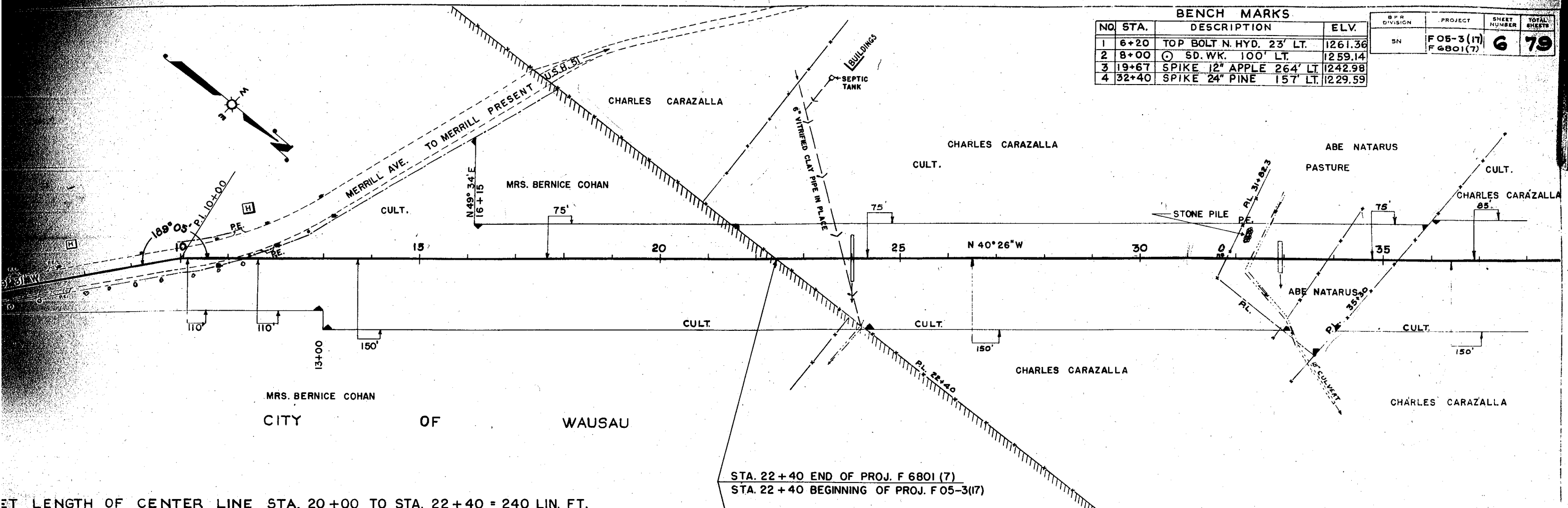
STA. 14+00 RT. INLET TYPE 1-F REQD.  
DIS. 1255.7 DEPTH 2.4'  
12" X 54' R.C.C.P.S.S. REQD.

LENGTH OF CENTER LINE STA. 4+30 TO STA. 20+00 = 1570 LIN. FT.

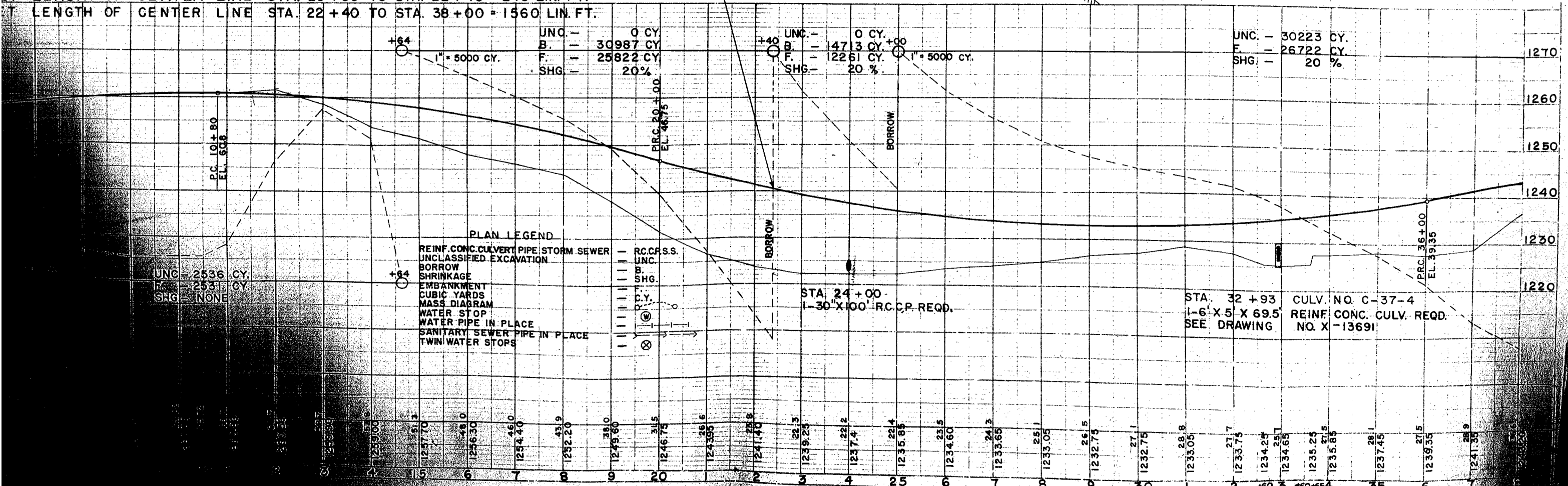
BEGINNING OF PROJ. F6801 (7)  
STA. 4+30



BENCH MARKS			B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
NO.	STA.	DESCRIPTION	SN	F 05-3 (17) F 6801 (7)	6	79
1	6+20	TOP BOLT N. HYD. 23' LT.				
2	8+00	⊙ SD. WK. 100' LT.				
3	19+67	SPIKE 12" APPLE 264' LT.				
4	32+40	SPIKE 24" PINE 157' LT.				



NET LENGTH OF CENTER LINE STA. 20+00 TO STA. 22+40 = 240 LIN. FT.  
 NET LENGTH OF CENTER LINE STA. 22+40 TO STA. 38+00 = 1560 LIN. FT.



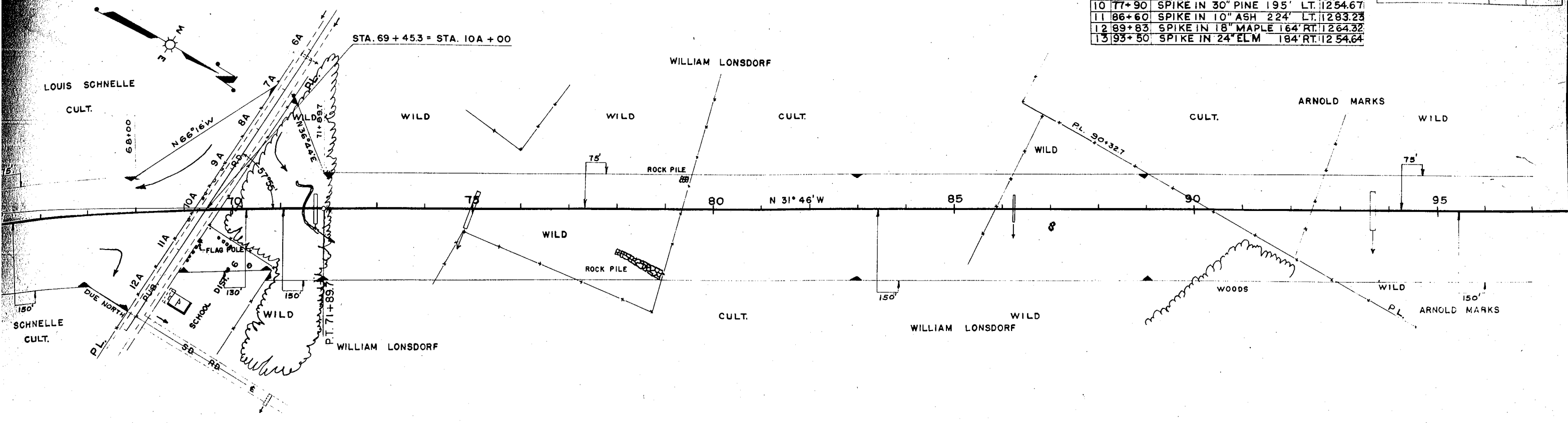
**PLAN LEGEND**

- REINF. CONC. CULVERT PIPE STORM SEWER
- UNCLASSIFIED EXCAVATION
- BORROW
- SHRINKAGE
- EMBANKMENT
- CUBIC YARDS
- MASS DIAGRAM
- WATER STOP
- WATER PIPE IN PLACE
- SANITARY SEWER PIPE IN PLACE
- TWIN WATER STOPS
- R.C.C.P.S.
- UNCL.
- B.
- SHG.
- P.C.
- D.P.

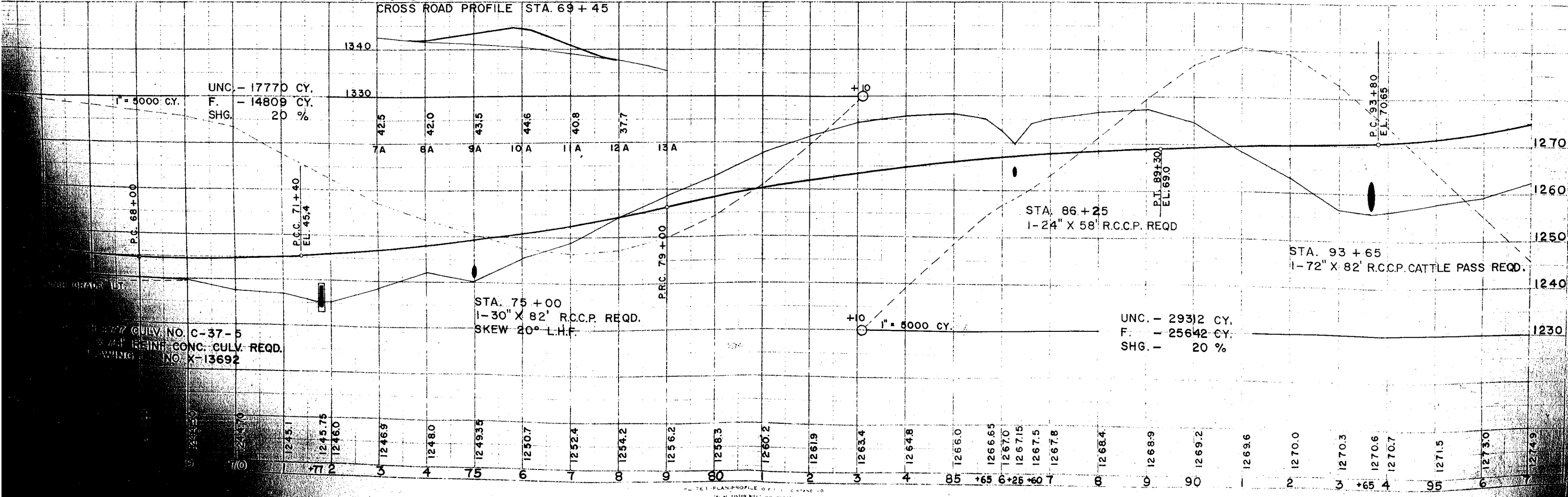


BENCH MARKS			
NO.	STA.	DESCRIPTION	ELV.
9	70+43	SPIKE IN 24" OAK 123' RT.	1236.33
10	77+90	SPIKE IN 30" PINE 195' LT.	1254.67
11	86+60	SPIKE IN 10" ASH 224' LT.	1263.23
12	89+83	SPIKE IN 18" MAPLE 164' RT.	1264.32
13	93+50	SPIKE IN 24" ELM 184' RT.	1254.64

PROJECT	SHEET NUMBER	TOTAL SHEETS
F 05-3 (17)	8	79



NET LENGTH OF CENTER LINE STA. 67+00 TO STA. 97+00 = 3000 LIN. FT.

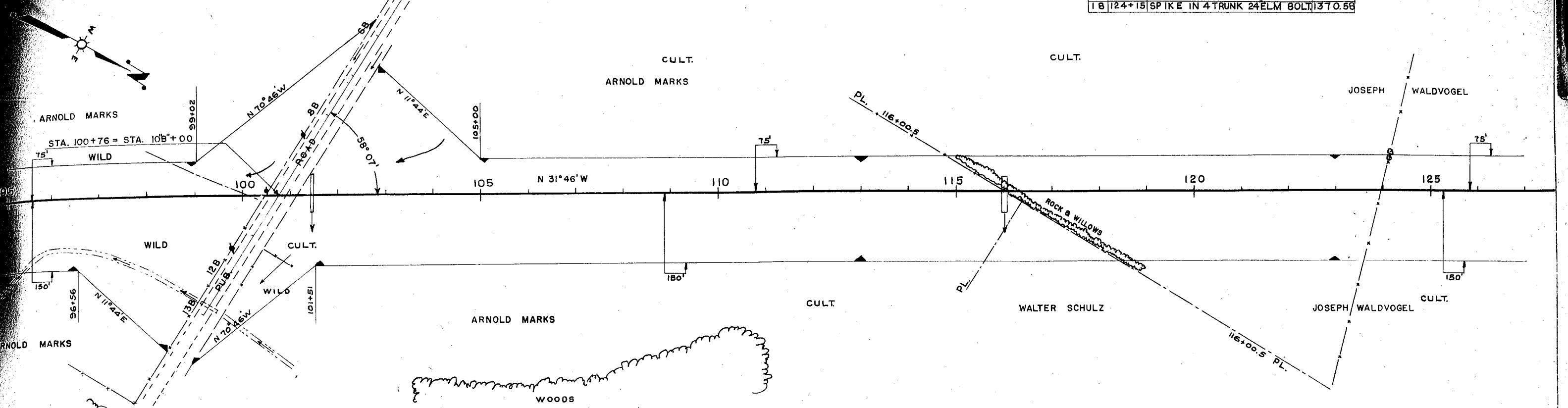


GULY NO. C-37-5  
 CONC. CULV. REQD.  
 NO. X-13692

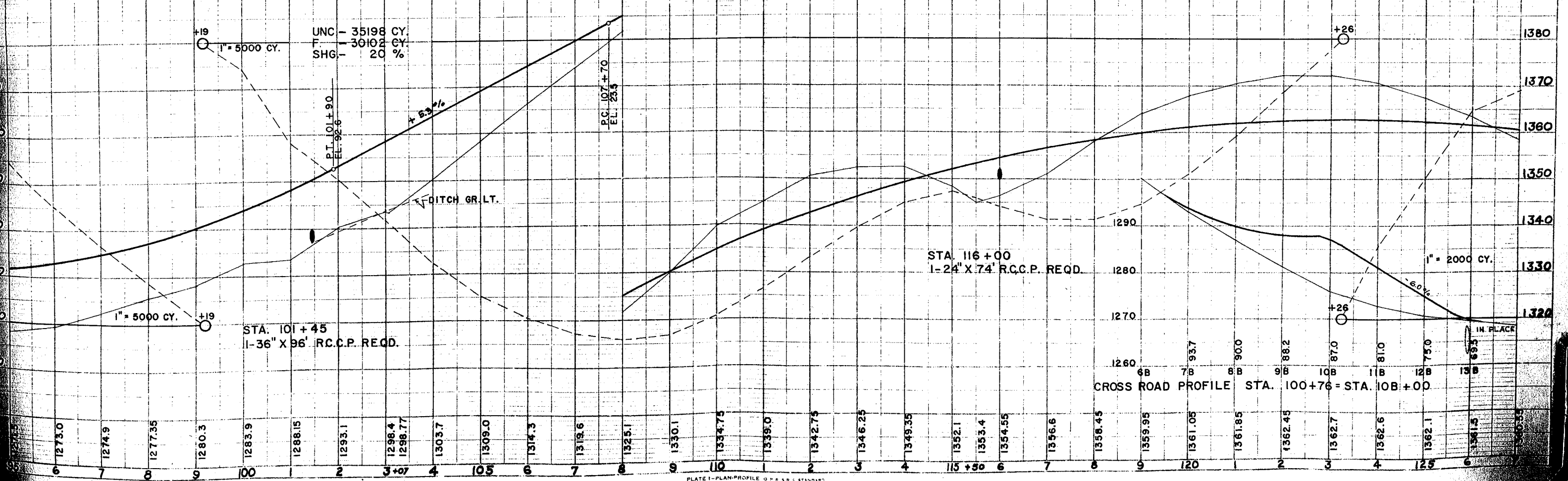
BENCH MARKS

NO.	STA.	DESCRIPTION	ELV.
14	100+25	SPIKE IN 12" TWIN ELM 135' RT.	1270.06
15	103+00	SPIKE IN 36" MAPLE 270' LT.	1298.41
16	109+48	SPIKE IN 5" TRUNK 24" MAP 400 LT.	1329.89
17	114+75	SPIKE IN 12" PLUM 70' LT.	1356.40
18	124+15	SPIKE IN 4" TRUNK 24" ELM 80 LT.	1370.58

B.P.H. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
SN	F05-3 (17)	9	79

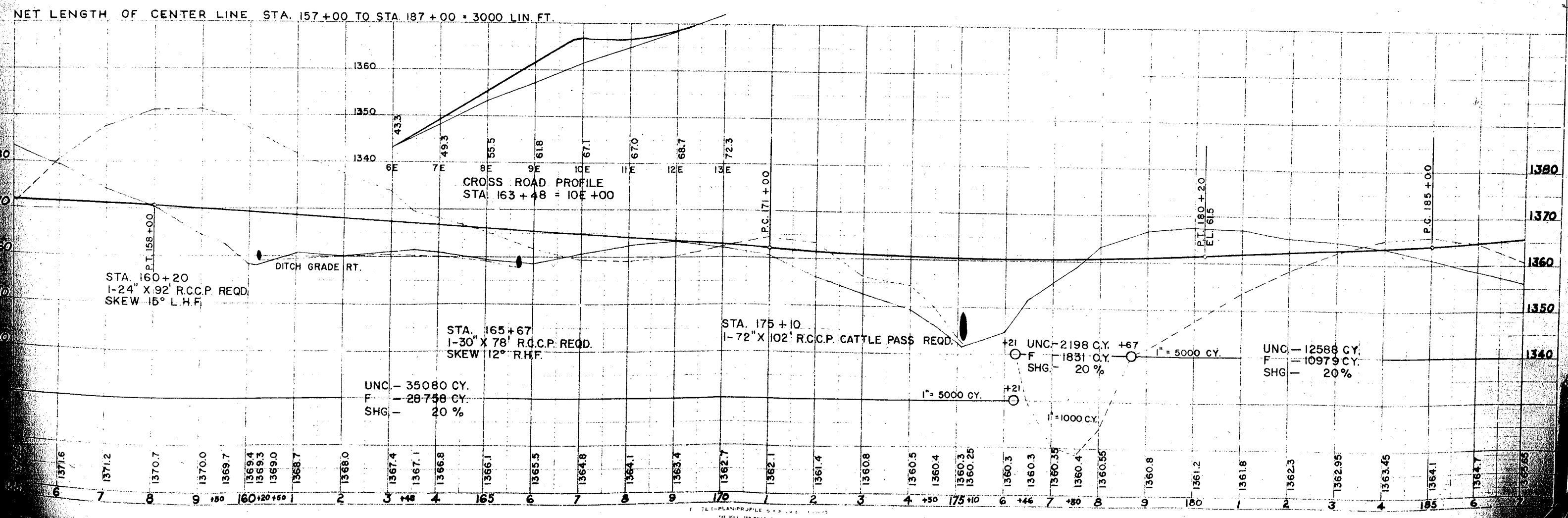
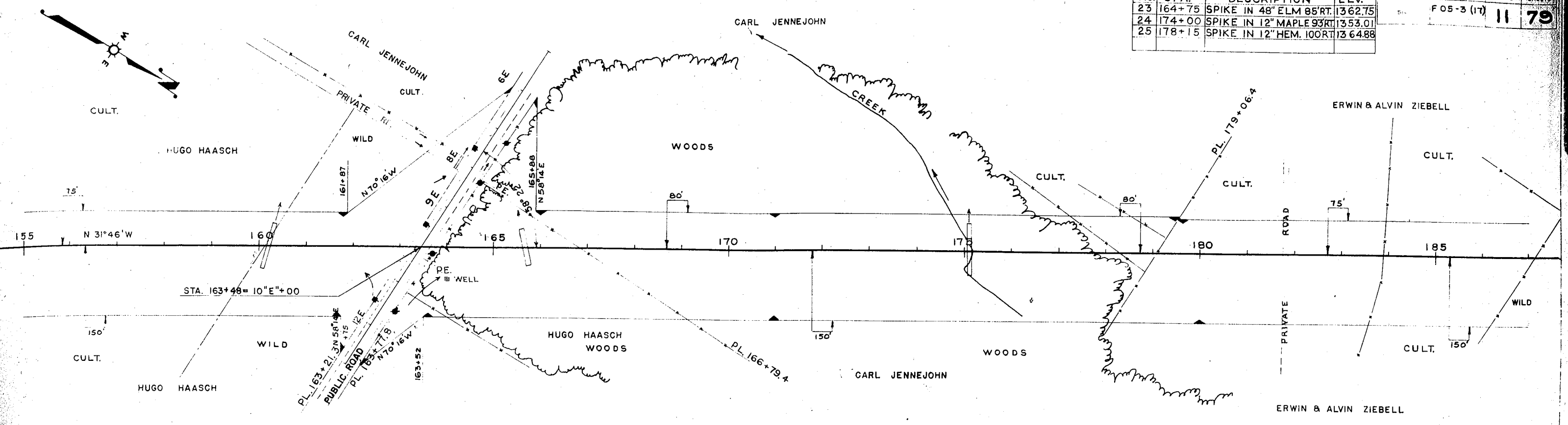


NET LENGTH OF CENTER LINE STA. 97+00 TO STA. 127+00 = 3000 LIN. FT.





BENCH MARKS				PROJECT	SHEET NUMBER	TOTAL SHEETS
NO.	STA.	DESCRIPTION	ELV.	F 05-3 (17)	11	79
23	164+75	SPIKE IN 48" ELM 85' RT.	1362.75			
24	174+00	SPIKE IN 12" MAPLE 93' RT.	1353.01			
25	178+15	SPIKE IN 12" HEM. 100' RT.	1364.88			

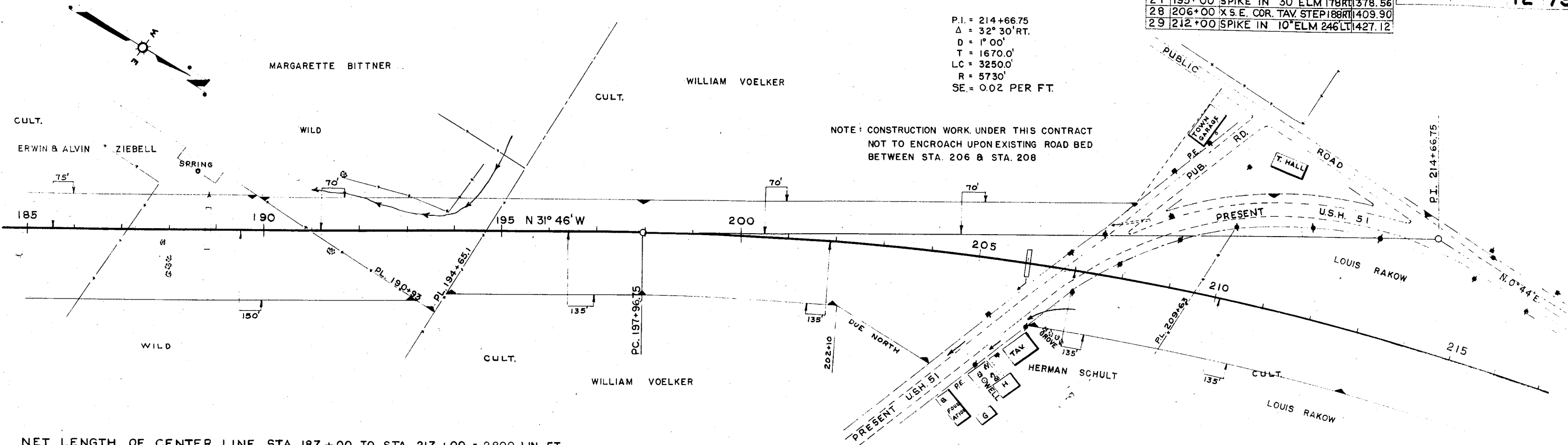


BENCH MARKS			
NO.	STA.	DESCRIPTION	ELV.
26	191+50	SPIKE IN 40' ELM 98' LT.	1363.05
27	193+00	SPIKE IN 30' ELM 178' RT.	1378.56
28	206+00	X S. E. COR. TAV. STEP 188' RT.	1409.90
29	212+00	SPIKE IN 10' ELM 246' LT.	1427.12

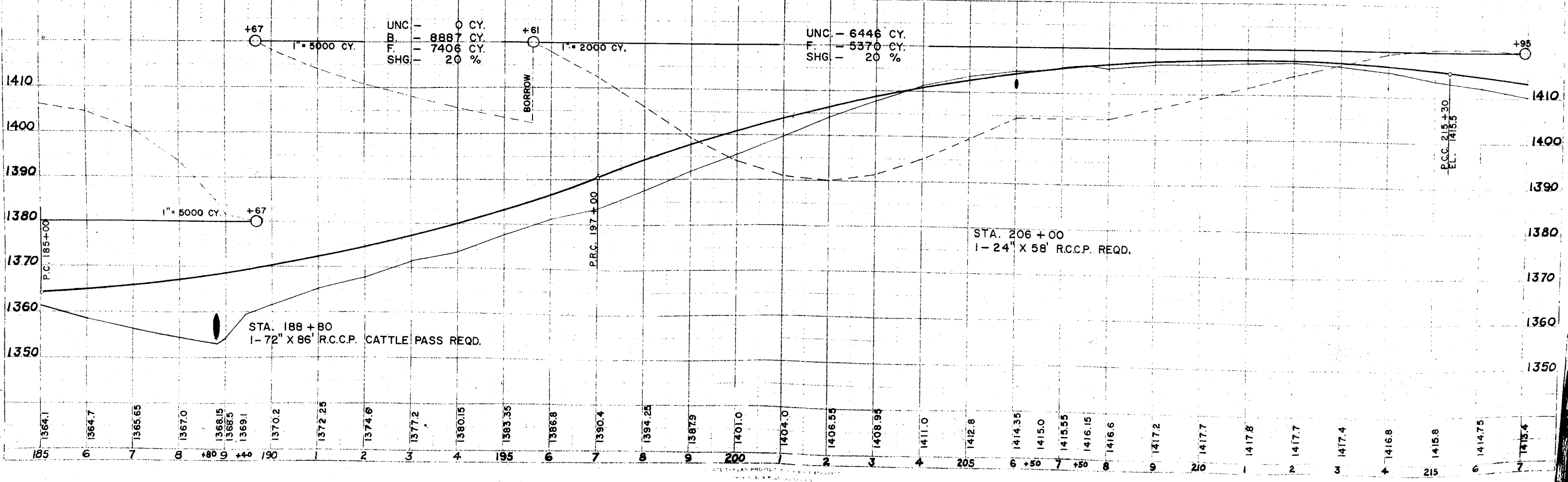
PROJECT NO. F 05-3 (11)  
 SHEET NO. 12 79  
 TOTAL SHEETS

P.I. = 214+66.75  
 $\Delta = 32^\circ 30' \text{ RT.}$   
 $D = 1^\circ 00'$   
 $T = 1670.0'$   
 $LC = 3250.0'$   
 $R = 5730'$   
 $SE = 0.02 \text{ PER FT.}$

NOTE: CONSTRUCTION WORK UNDER THIS CONTRACT NOT TO ENCR OACH UPON EXISTING ROAD BED BETWEEN STA. 206 & STA. 208

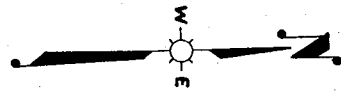


NET LENGTH OF CENTER LINE STA. 187+00 TO STA. 217+00 = 2800 LIN. FT.





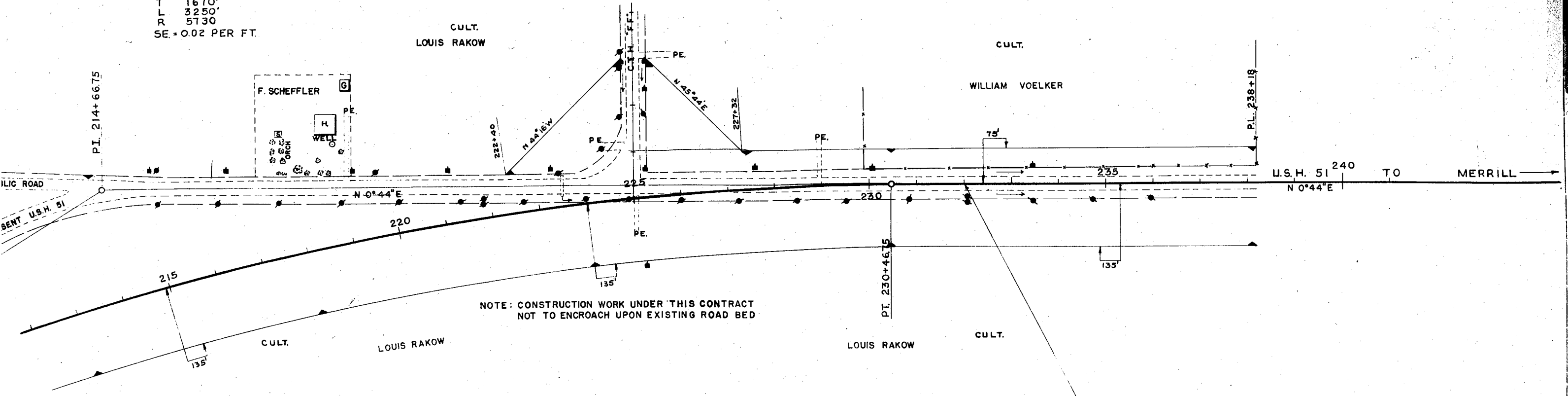
P.I. 214+66.75  
 $\Delta$  32° 30'  
 D 1" 00  
 T 1670'  
 L 3250'  
 R 5730'  
 SE = 0.02 PER FT.



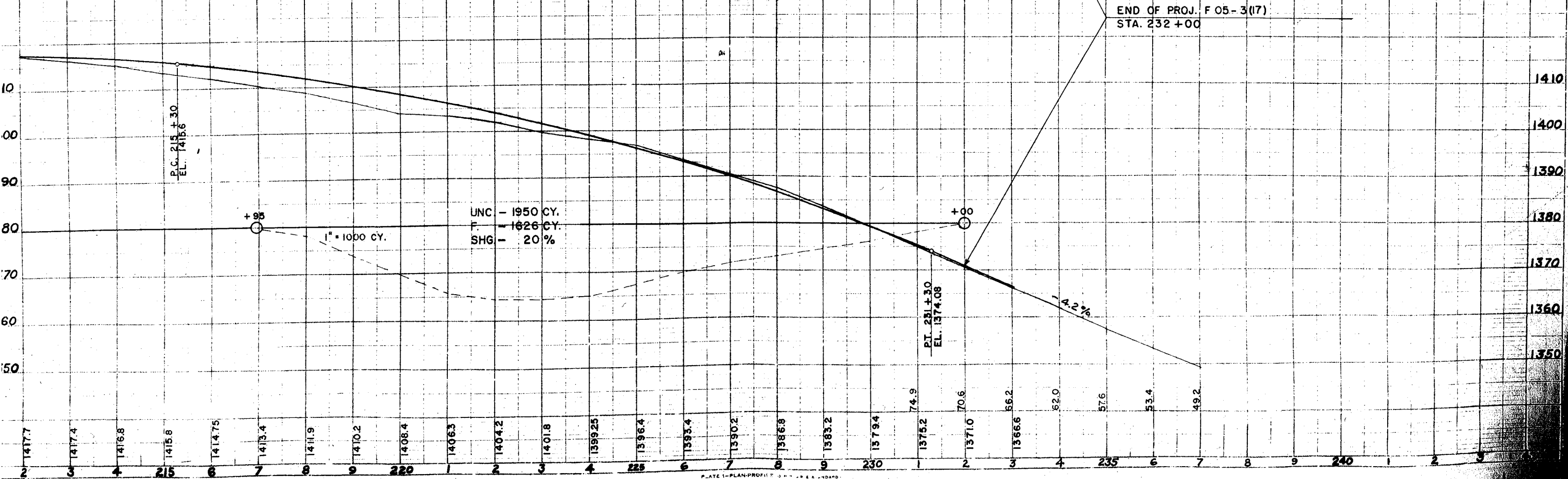
H. G.

BENCH MARKS			
NO.	STA.	DESCRIPTION	E. LV.
30	218+40	SPIKE IN 18" APPLE 150'	1417.42
31	228+95	SPIKE IN 20" ELM 385' LT.	1382.10

DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
SN	F 05-3(17)	13	79

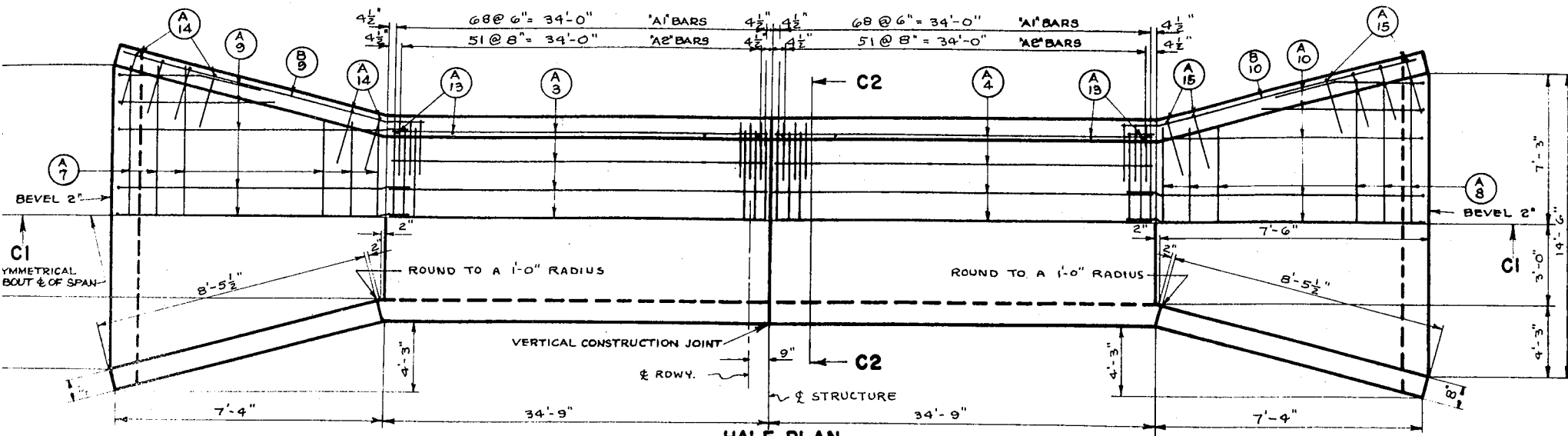


NET LENGTH OF CENTER LINE STA. 217+00 TO STA. 232+00 = 1500 LIN. FT.



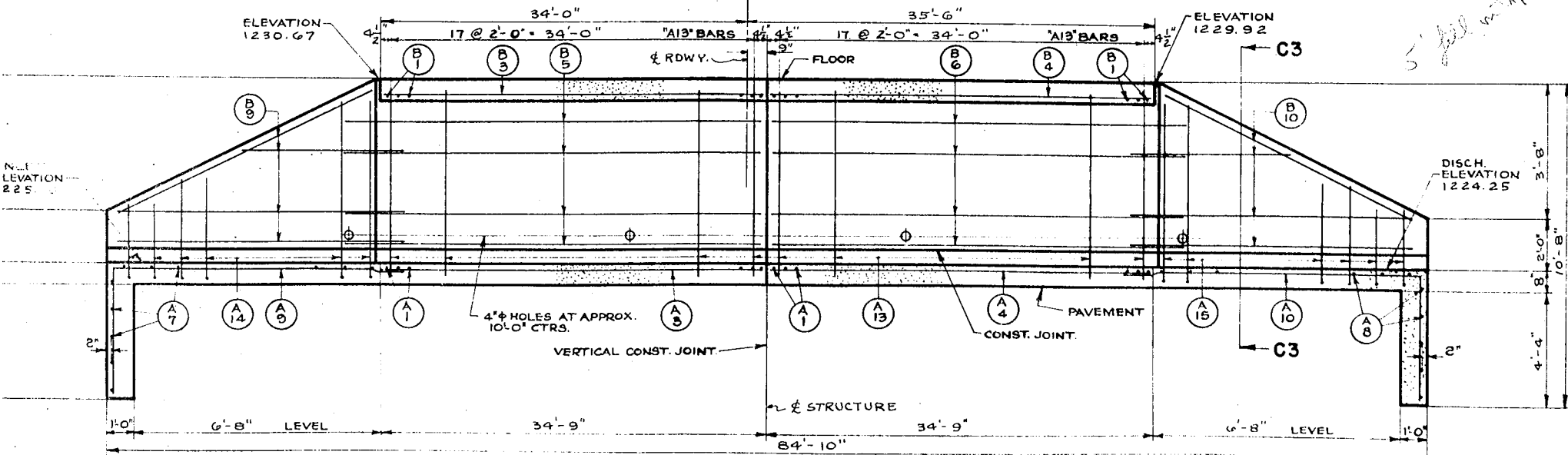
**HALF SECTION**

SHOWING REINFORCEMENT IN PAVEMENT, APRONS, SIDES AND WINGS. 'B1', 'B2', 'B3', 'B4' BARS IN THE FLOOR ARE SPACED THE SAME AS THE 'A1', 'A2', 'A3', 'A4' BARS.

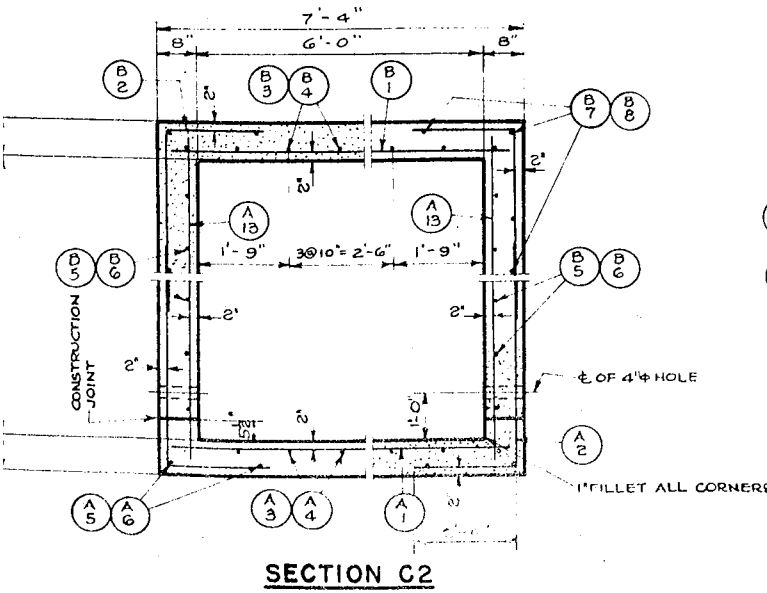


**HALF PLAN**

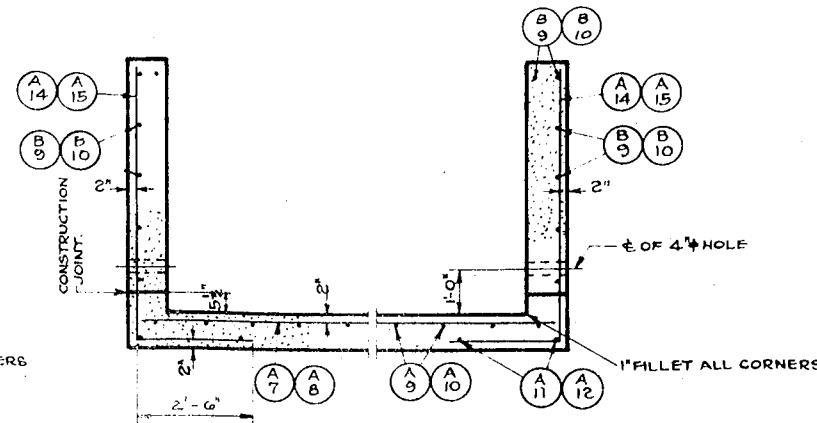
SHOWING COMPLETED STRUCTURE.



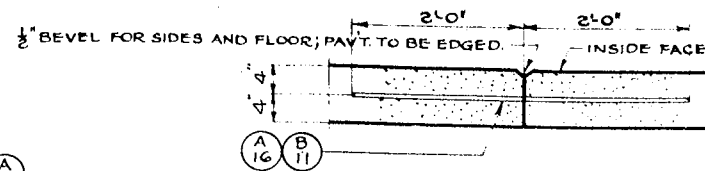
**SECTION C1**



**SECTION C2**



**SECTION C3**



**VERTICAL CONSTRUCTION JOINT**

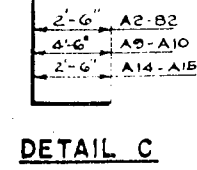
**GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.  
 CONCRETE MASONRY SHALL BE GRADE "AA".  
 BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SHOWN.  
 IMBEDMENT DIMENSIONS APPLY TO FACE OF BAR.  
 EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACK FILLED WITH SAND-GRAVEL FILL TO THE ORIGINAL GROUND LINE. PAYMENT WILL BE MADE ONLY FOR MATERIAL ACTUALLY PLACED WITHIN THE LIMITS SPECIFIED FOR EXCAVATION FOR STRUCTURES.

**BILL OF BARS**

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

POUR	MARK	NO.	SIZE NO.	LENGTH	SPACING	LOCATION	DETAIL
PAVEMENT AND APRONS	A1	138	5	6'-9"	6"	PAVEMENT	
	A2	208	4	6'-0"	15"	"	C
	A3	16	4	17'-9"	SHOWN	"	"
	A4	16	4	17'-9"	"	"	"
	A5	8	4	17'-9"	"	CORNERS	
	A6	8	4	17'-9"	"	"	
	A7	6	4	15'-0"	1'-0"	APRON	
	A7	2	4	13'-0"	1'-0"		
	A7	2	4	10'-6"	1'-0"		
	A8	3	4	7'-6"	1'-0"	"	
	A8	6	4	15'-0"	1'-0"		
	A8	2	4	13'-0"	1'-0"		
	A9	3	4	7'-6"	1'-0"	"	
	A9	7	4	13'-0"	1'-0"		
	A9	4	4	10'-6"	1'-0"		
A10	4	4	8'-6"	1'-0"	"	C	
A10	7	4	13'-0"	1'-0"			
A10	4	4	10'-6"	1'-0"			
A11	4	4	5	1'-0"	"		
A12	4	4	5	1'-0"			
A13	72	4	2'-0"	SHOWN		SIDES	
A14	4	4	5	1'-0"	WINGS	C	
A14	4	4	5	1'-0"			
A14	4	4	5	1'-0"			
A15	4	4	5	1'-0"	"	C	
A15	4	4	5	1'-0"			
A15	4	4	5	1'-0"			
A16	8	5	4'-0"	1'-0"	PAVEMENT		
SIDES AND FLOOR	B1	138	5	6'-9"	6"	FLOOR	
	B2	208	4	6'-0"	15"	"	C
	B3	16	4	17'-9"	SHOWN	"	
	B4	16	4	17'-9"	"	"	
	B5	20	4	18'-3"	1'-0"	SIDES	
	B6	20	4	18'-3"	1'-0"	"	
	B7	12	4	17'-9"	SHOWN	CORNERS	
	B8	12	4	17'-9"	"	"	
	B9	8	4	9'-3"	1'-0"	WINGS	
	B9	2	4	7'-6"	1'-0"		
	B9	2	4	5'-0"	1'-0"		
B10	8	4	9'-3"	1'-0"	"		
B10	2	4	7'-6"	1'-0"			
B10	2	4	5'-0"	1'-0"			
B11	18	5	4'-0"	1'-0"	SIDES; FLOOR		



**DETAIL C**

**ESTIMATED QUANTITIES**

BID ITEMS

EXCAVATION FOR STRUCTURES	70.00	C.Y.
SAND-GRAVEL FILL	25.00	C.Y.
CONCRETE MASONRY	549.00	C.Y.
BAR STEEL REINFORCEMENT	6,460.00	LB.

STATE HIGHWAY COMMISSION OF WISCONSIN

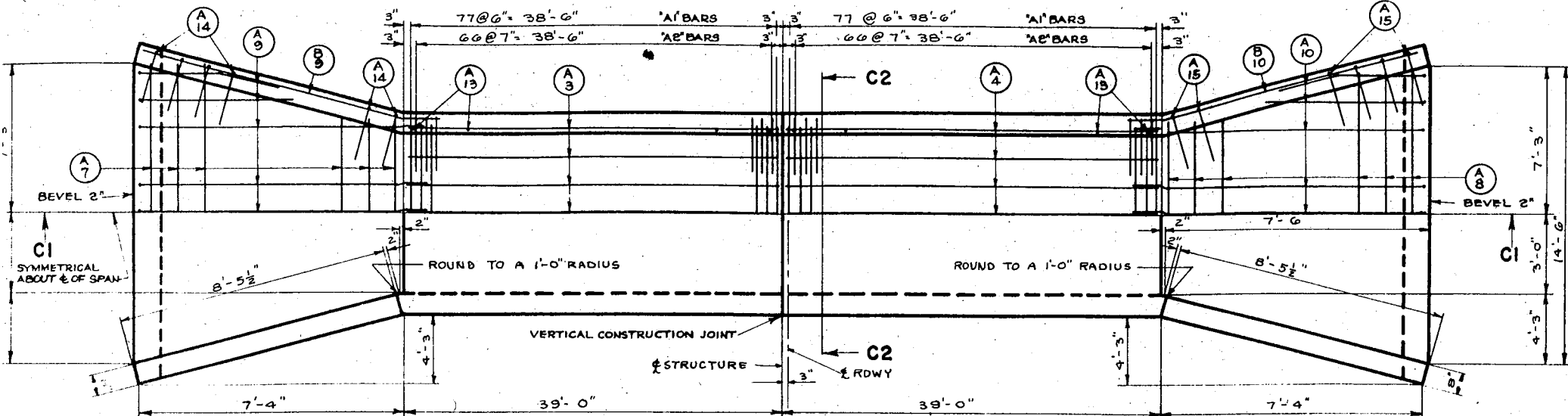
**DETAILS**

CO. MARATHON  
 SECTION 22  
 DATE: 10-53  
 DRAWN BY: J.C.C.  
 SPEC. 561 LOAD H 20

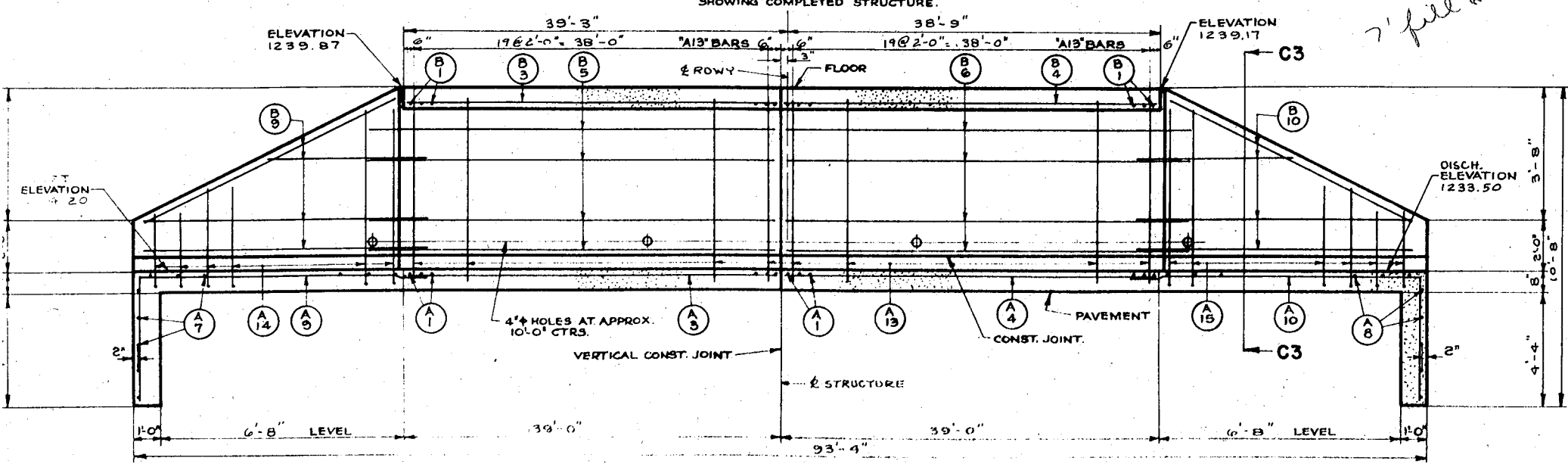
APPROVED: G. J. [Signature]  
 STATE ENGINEER

STRUCTURE C-37-4 SHEET 1 OF 1

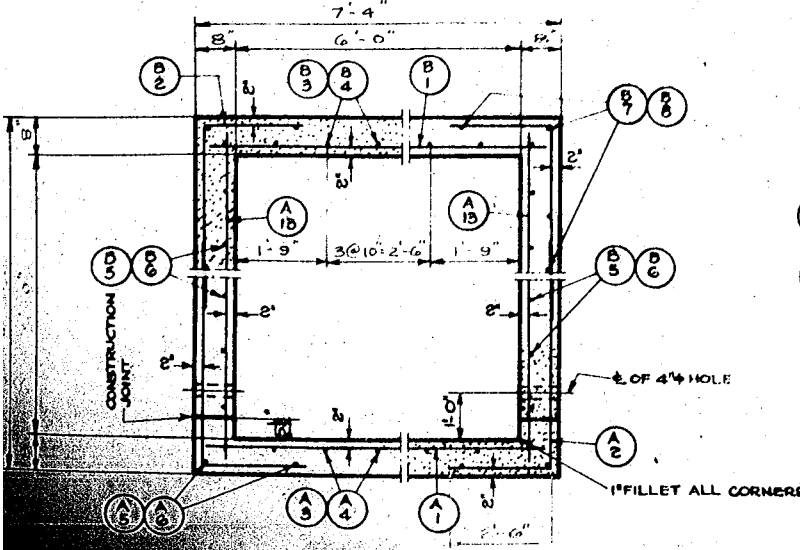
**HALF SECTION**  
 SHOWING REINFORCEMENT IN PAVEMENT, APRONS, SIDES AND WINGS. 'B1', 'B2', 'B3', 'B4' BARS IN THE FLOOR ARE SPACED THE SAME AS THE 'A1', 'A2', 'A3', 'A4' BARS.



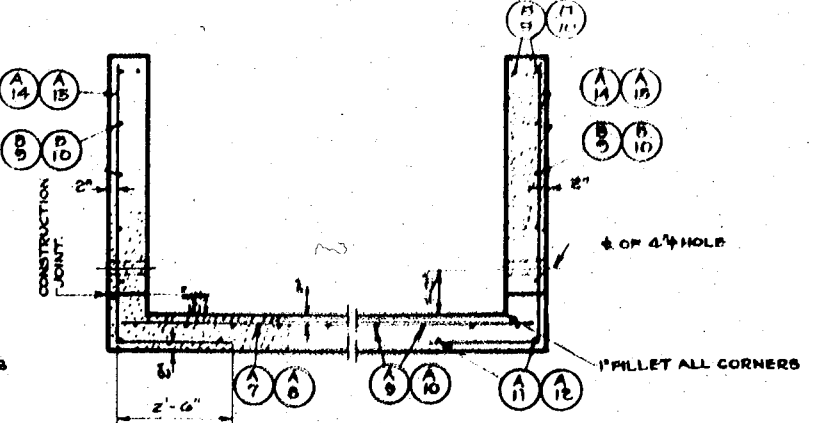
**HALF PLAN**  
 SHOWING COMPLETED STRUCTURE.



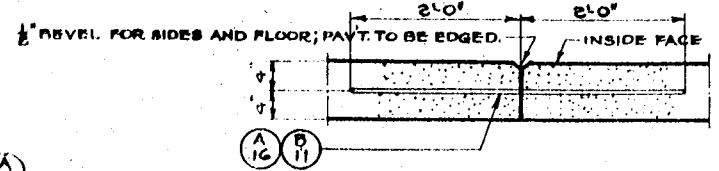
**SECTION C1**



**SECTION C2**



**SECTION C3**



**VERTICAL CONSTRUCTION JOINT**

**GENERAL NOTES**

DRAWINGS SHALL NOT BE SCALED.  
 CONCRETE MASONRY SHALL BE GRADE 'AA'.  
 BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SHOWN.  
 IMBEDMENT DIMENSIONS APPLY TO FACE OF BAR.

2'-6"	A2-B2
4'-6"	A9-A10
2'-6"	A14-A15

**DETAIL C**

**BILL OF BARS**  
 DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

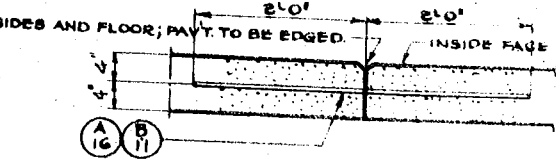
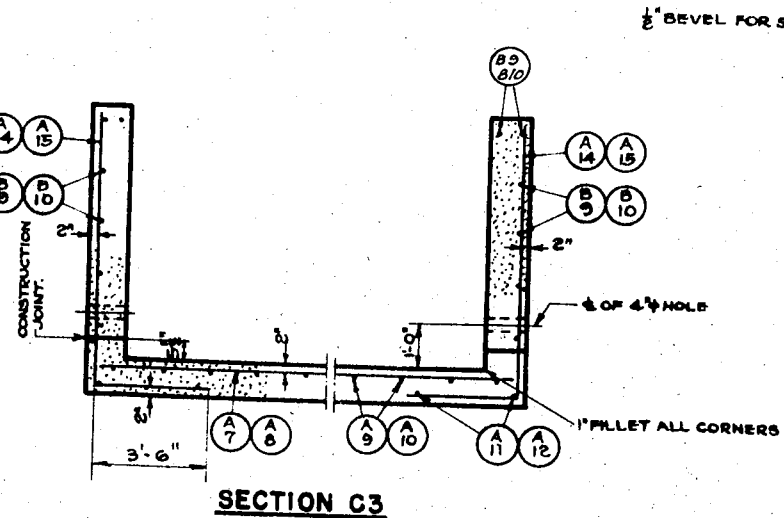
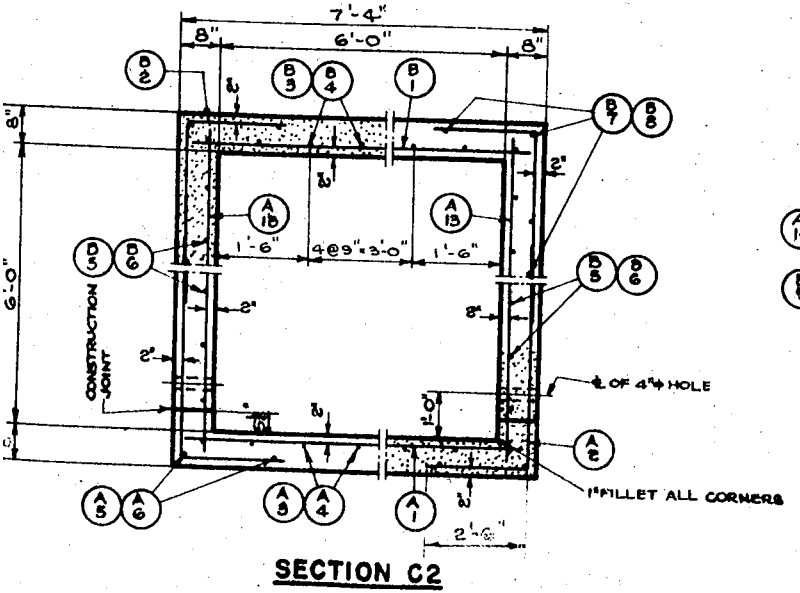
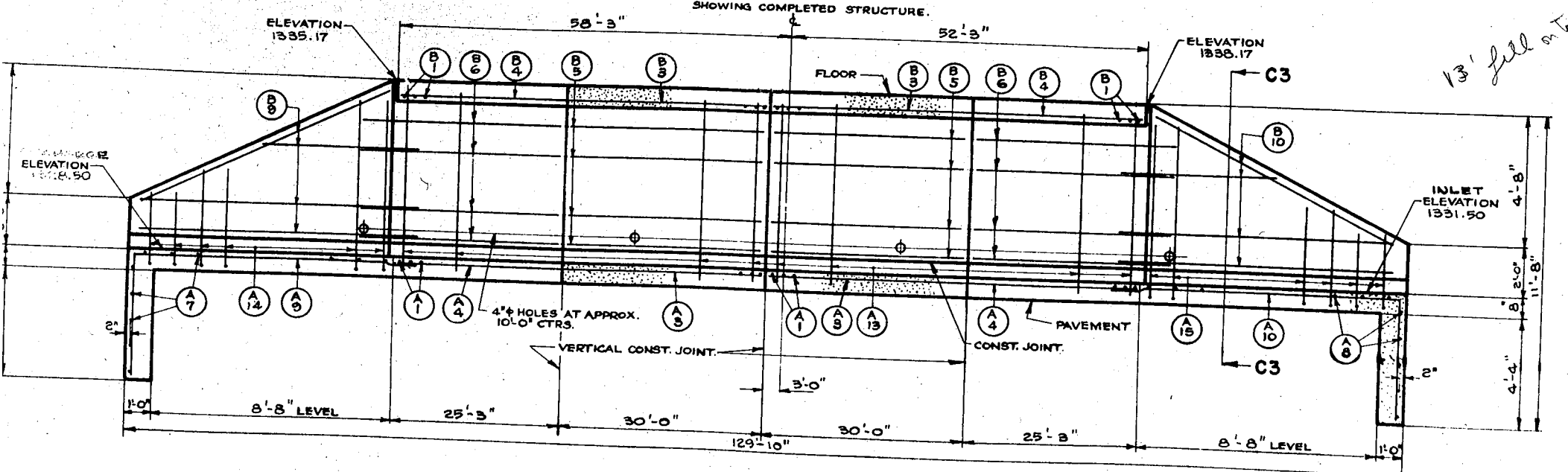
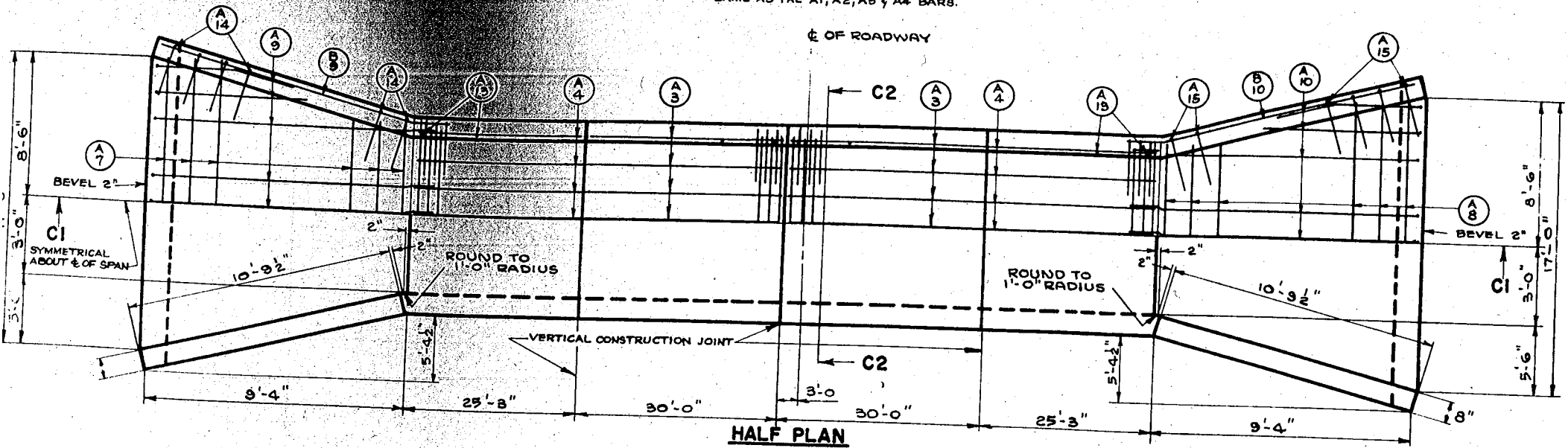
FOUR	MARK	NO	SIZE	LENGTH	SPACING	LOCATION	DETAIL
PAVEMENT AND APRONS	A1	156	5	6-9	6	PAVEMENT	
	A2	268	4	6-0	7	"	C
	A3	16	4	20-0	SHOWN	"	
	A4	16	4	20-0	"	"	
	A5	8	4	20-0	"	CORNERS	
	A6	8	4	20-0	"	"	
	A7	2	4	13-0	1-0	APRON	
		2	4	10-6	1-0		
		3	4	7-6	1-0		
		6	4	15-0	1-0		
	A8	2	4	13-0	1-0		
		2	4	10-6	1-0		
		3	4	7-6	1-0		
		4	4	8-6	1-0		
	A9	7	4	13-0	1-0		C
		4	4	10-6	1-0		
4		4	8-6	1-0			
7		4	13-0	1-0			
A10	4	4	10-6	1-0		C	
	4	4	8-6	1-0			
	4	4	7-6	1-0			
	4	4	7-6	1-0			
A11	4	4	7-6	SHOWN	"		
A12	4	4	7-6	"	"		
A13	80	4	1-9	2-0	SIDES		
A14	4	4	7-6	1-0	WINGS	C	
	4	4	6-9	1-0			
	4	4	6-0	1-0			
	4	4	5-0	1-0			
A15	4	4	7-6	1-0		C	
	4	4	6-9	1-0			
	4	4	6-0	1-0			
	4	4	5-0	1-0			
A16	8	5	4-0	1-0	PAVEMENT		
SIDES AND FLOOR	B1	156	5	6-9	6	FLOOR	
	B2	268	4	6-0	7	"	C
	B3	16	4	20-0	SHOWN	"	
	B4	16	4	20-0	"	"	
	B5	20	4	20-6	1-0	SIDES	
	B6	20	4	20-6	1-0	"	
	B7	12	4	20-0	SHOWN	CORNERS	
	B8	12	4	20-0	"	"	
	B9	8	4	9-3	1-0	WINGS	
		2	4	7-6	1-0		
		2	4	5-0	1-0		
B10	8	4	9-3	1-0			
	2	4	7-6	1-0			
B11	18	5	4-0	1-0	SIDES; FLOOR		

**ESTIMATED QUANTITIES**

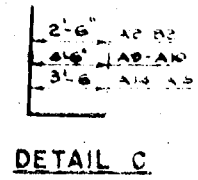
BID ITEMS	QUANTITY	UNIT
EXCAVATION FOR STRUCTURES	85	C.Y.
SAND-GRAVEL FILL	8.5	C.Y.
CONCRETE MASONRY	60.1	C.Y.
BAR STEEL REINFORCEMENT	7430	LB.

STATE HIGHWAY COMMISSION OF WISCONSIN  
**DETAILS**  
 CO. M... TOWN...  
 DATE...  
 CORRECT...  
 APPROVED...  
 STRUCTURE C-37-5 SHEET 1011

**HALF SECTION**  
 SHOWING REINFORCEMENT IN PAVEMENT, APRONS, SIDES AND WINGS. "B1", "B2", "B3", "B4" BARS IN THE FLOOR ARE SPACED THE SAME AS THE "A1", "A2", "A3", "A4" BARS.



**GENERAL NOTES**  
 DRAWINGS SHALL NOT BE SCALED  
 CONCRETE MASONRY SHALL BE GRADE "AA"  
 BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SHOWN.  
 IMBEDMENT DIMENSIONS APPLY TO FACE OF BAR.



COUNTY & HIGHWAY: 37.1 5.3  
 ROUTE & SECTION: 11.17  
 CLASS & AGREEMENT: WIS 3N  
 STATE FEDERAL DIVISION: FOS-3(17)

**BILL OF BARS**  
 DIMENSIONS IN BENDING DETAILS ARE OUT TO CENTER

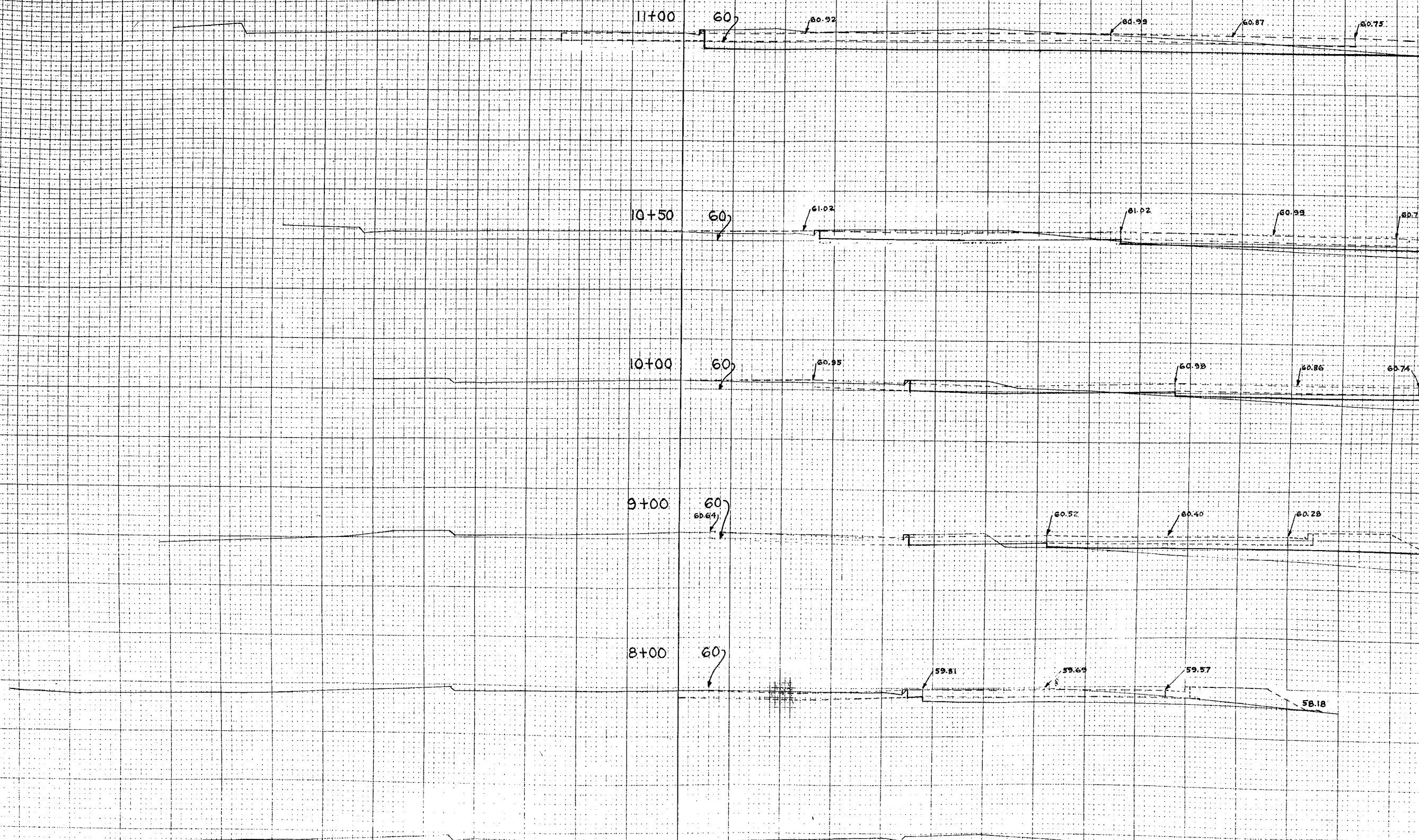
POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION
PAVEMENT AND APRONS	A1	167	6	7'-0"	8"	PAVEMENT
	A2	380	5	6'-6"	7"	PAVEMENT
	A3	18	4	29'-9"	SHOWN	PAVEMENT
	A4	18	4	29'-0"	"	PAVEMENT
	A5	8	4	29'-9"	"	PAVEMENT
	A6	8	4	25'-0"	"	CORNERS
	A7	7	4	16'-8"	1'-0"	PAVEMENT
	A7	2	4	14'-0"	1'-0"	APRON
	A7	2	4	10'-6"	1'-0"	APRON
	A7	3	4	7'-0"	1'-0"	APRON
	A8	7	4	16'-3"	1'-0"	PAVEMENT
	A8	2	4	14'-0"	1'-0"	PAVEMENT
	A8	2	4	10'-6"	1'-0"	PAVEMENT
	A8	3	4	7'-0"	1'-0"	PAVEMENT
	A9	7	4	15'-3"	1'-0"	PAVEMENT
	A9	4	4	11'-6"	1'-0"	PAVEMENT
A10	7	4	15'-3"	1'-0"	PAVEMENT	
A10	4	4	11'-6"	1'-0"	PAVEMENT	
A10	4	4	8'-0"	1'-0"	PAVEMENT	
A11	4	4	10'-6"	SHOWN	PAVEMENT	
A12	4	4	10'-6"	"	PAVEMENT	
A13	192	4	7'-0"	1'-6"	SIDES	
A14	4	4	9'-9"	1'-0"	WINGS	
A14	6	4	8'-6"	1'-0"	WINGS	
A14	6	4	7'-3"	1'-0"	WINGS	
A14	6	4	6'-0"	1'-0"	WINGS	
A15	4	4	9'-9"	1'-0"	WINGS	
A15	6	4	8'-6"	1'-0"	WINGS	
A15	6	4	7'-3"	1'-0"	WINGS	
A15	6	4	6'-0"	1'-0"	WINGS	
A16	21	5	4'-0"	1'-0"	PAVEMENT	
SIDES AND FLOOR	B1	167	3	7'-0"	8"	FLOOR
	B2	380	5	6'-6"	7"	FLOOR
	B3	18	4	29'-9"	SHOWN	FLOOR
	B4	18	4	29'-0"	"	FLOOR
	B5	24	4	29'-9"	1'-0"	SIDES
	B6	24	4	26'-0"	1'-0"	SIDES
	B7	12	4	25'-0"	SHOWN	CORNERS
	B8	12	4	25'-0"	"	CORNERS
	B9	5	4	11'-3"	1'-0"	WINGS
	B10	4	4	3'-3"	1'-0"	WINGS
	B10	2	4	6'-0"	1'-0"	WINGS
B10	3	4	11'-9"	1'-0"	WINGS	
B10	4	4	3'-3"	1'-0"	WINGS	
B10	2	4	6'-0"	1'-0"	WINGS	
B11	5	5	4'-0"	1'-0"	SIDES; FLOOR	

**ESTIMATED QUANTITIES**  
 BID ITEMS

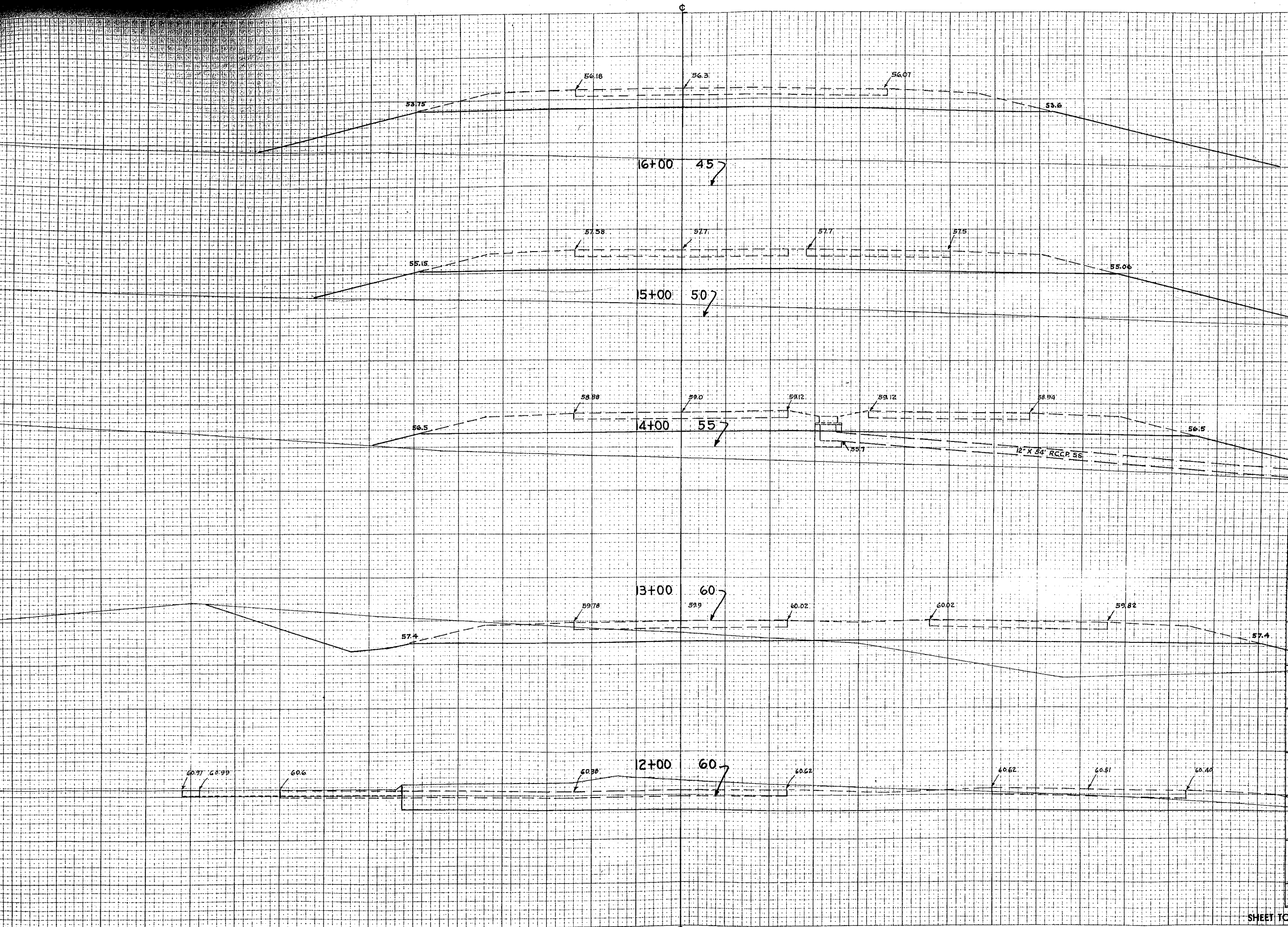
EXCAVATION FOR STRUCTURE \_\_\_\_\_  
 CONCRETE MASONRY \_\_\_\_\_  
 BAR STEEL REINFORCEMENT \_\_\_\_\_

STATE HIGHWAY COMMISSION OF WISCONSIN  
**DETAILS**  
 CO. MARATHON TOWN MAINE  
 SECTION 9 TOWN 29  
 DATE 4/13/33 DRAWN FARR; CKD 4.6.33 SPEC 1933  
 CORRECT: G. J. R.  
 APPROVED: C. L. R.  
 STRUCTURE C-37-6 SHEET



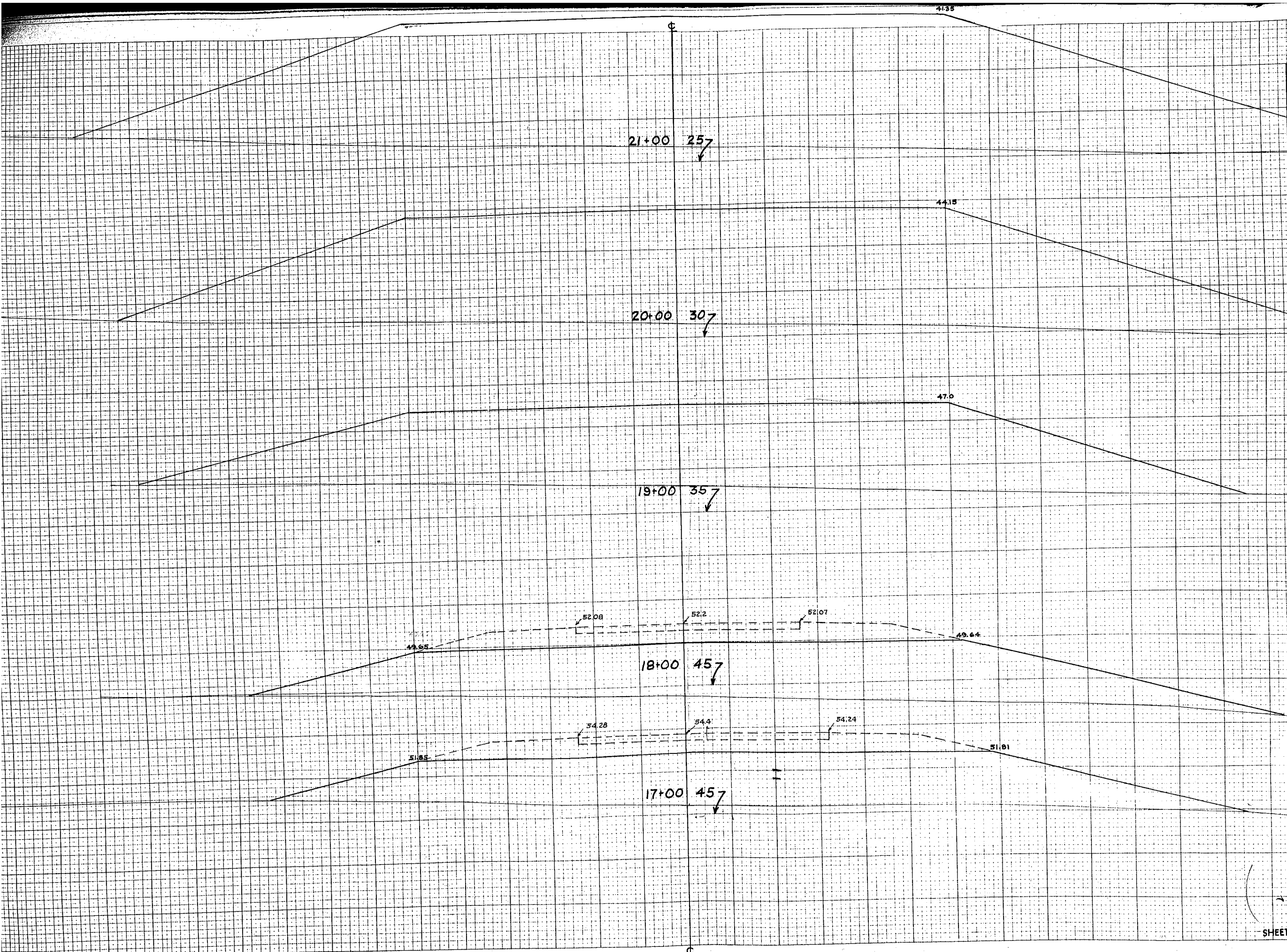


STATION	DISTANCE	YARDAGE		TOTAL
		EXCAVATION	FILL	
7		UNC.	UNC.	
8		141	0	50
9		106	0	30
10		0	100	91
10+50		0	76	67
11		0	157	61
TOTAL		247	333	333



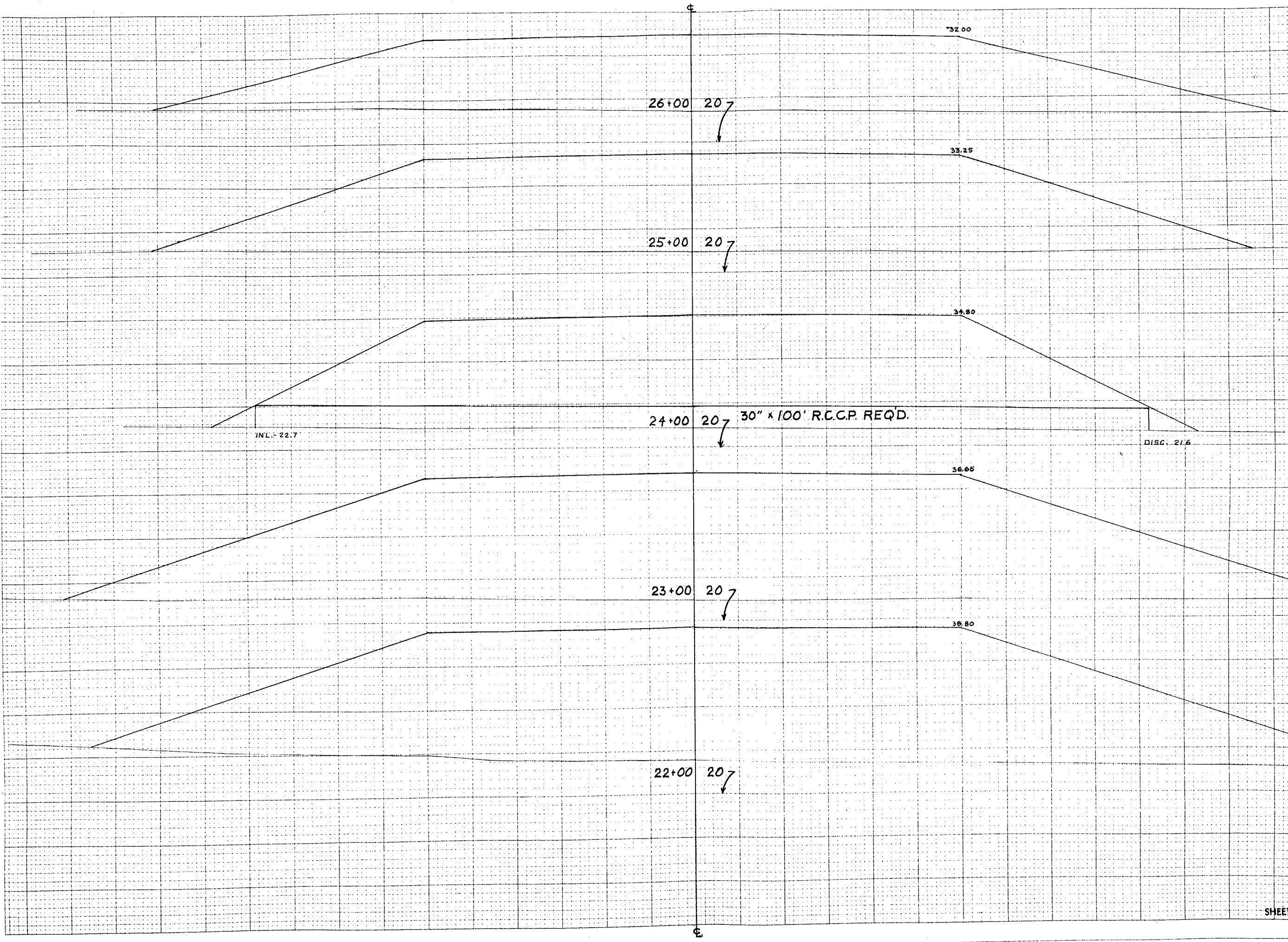
STATION	DISTANCE	YARDAGE		
		UNC.	UNC.	FILL
16+00	45	0	724	11
15+00	50	0	733	289
14+00	55	0	235	95
13+00	60	0	0	1743
TOTAL		0	1692	11

SHEET TOTAL 0 1692



STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
16		0	1887
17		0	1913
18		0	2604
19		0	3939
20		0	5193
21		0	3939
SHEET TOTAL		0	333





STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
21			
22	0		5787
23	0		5654
24	0		4741
25	0		4128
26	0		3571
SHEET TOTAL		0	25000

DOUBLE P.E. TO SERVE AS DRAINAGE BLOCK

DRAINAGE BLOCK

32+00 257

31.15

31+00 257

30.45

30+00 257

30.15

29+00 257

30.15

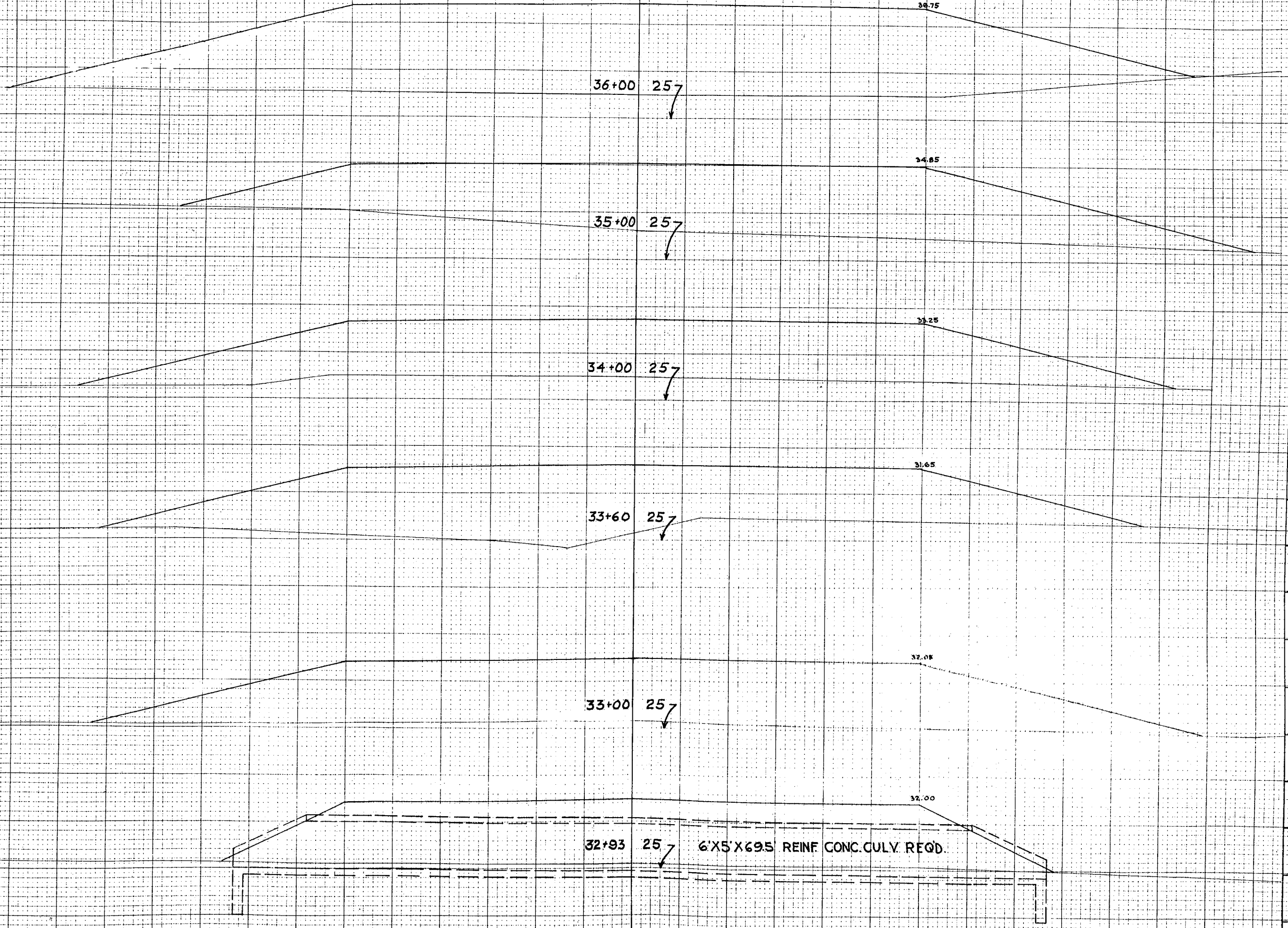
28+00 257

30.45

27+00 257

31.05

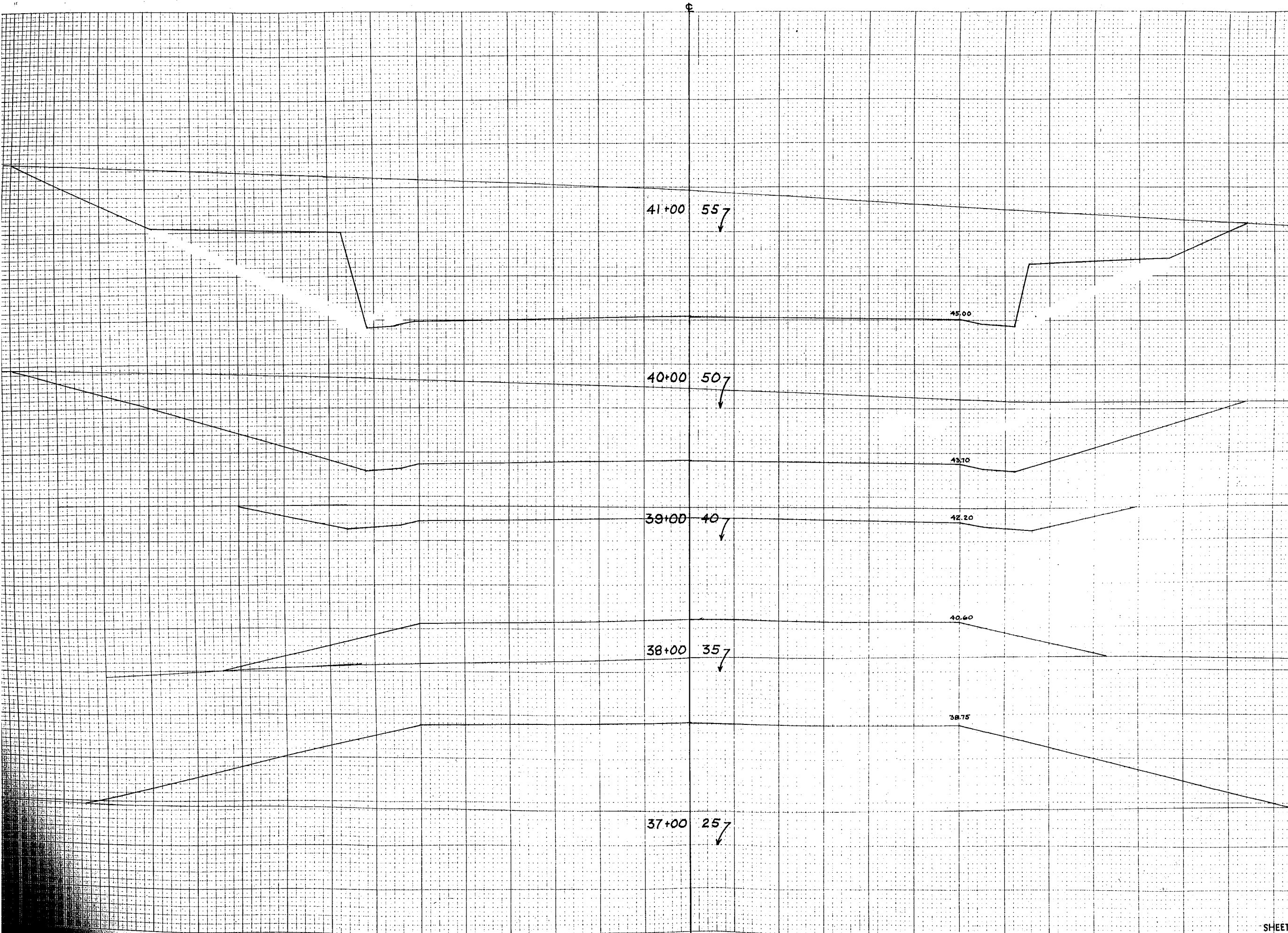
STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
32	0		
31	0		800
30	0		735
29	0		1002
28	0		1346
27	0		1898
26	0		2561
SHEET TOTAL			8342



STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
32	32+93	0	835
33	33+60	0	793
34	34+00	0	1306
35	35+00	0	822
36	36+00	0	2035
<b>SHEET TOTAL</b>		<b>0</b>	<b>5771</b>

32+93 25 6'X5'X69.5 REINF CONC. CULV. REQD.

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN	F 05-3(17)	32	79

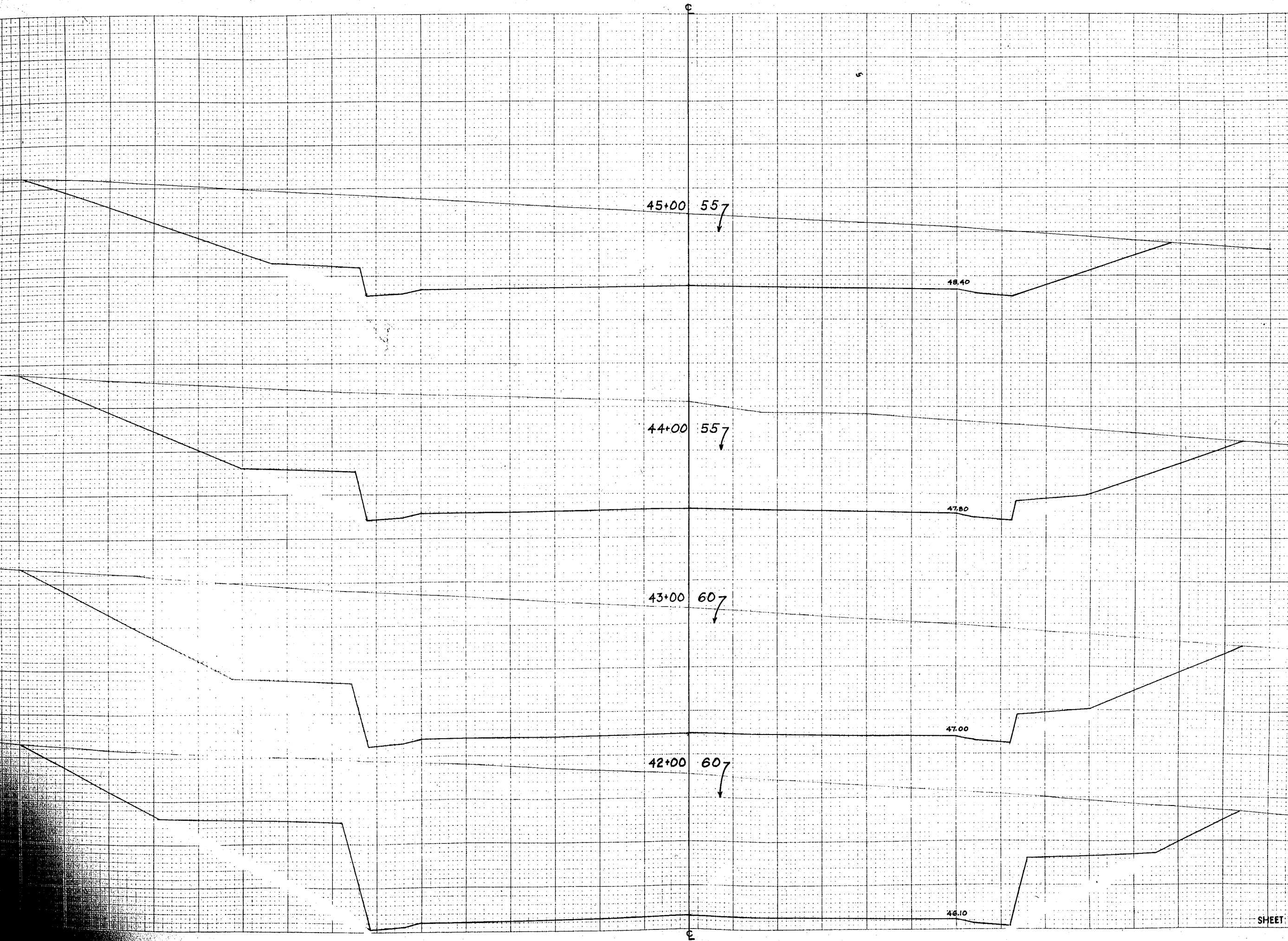


STATION	YARDAGE			
	DISTANCE	EXCAVATION		FILL
		UNC	UNC	
36				
37				334
38				2439
39				633
40	2974	1880		
41		1170		

AREAS CHECKED

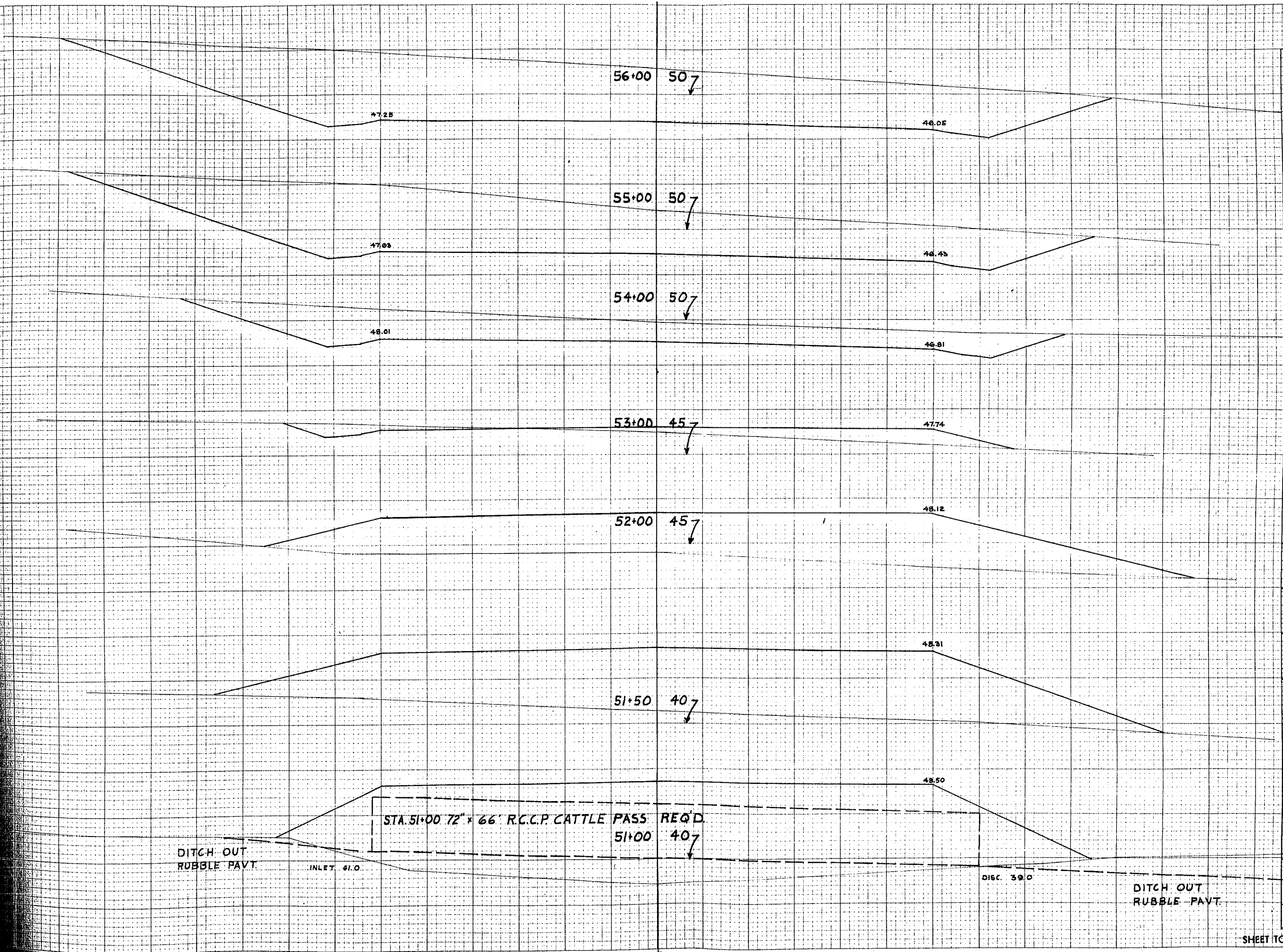
AREAS CHECKED

AREAS CHECKED

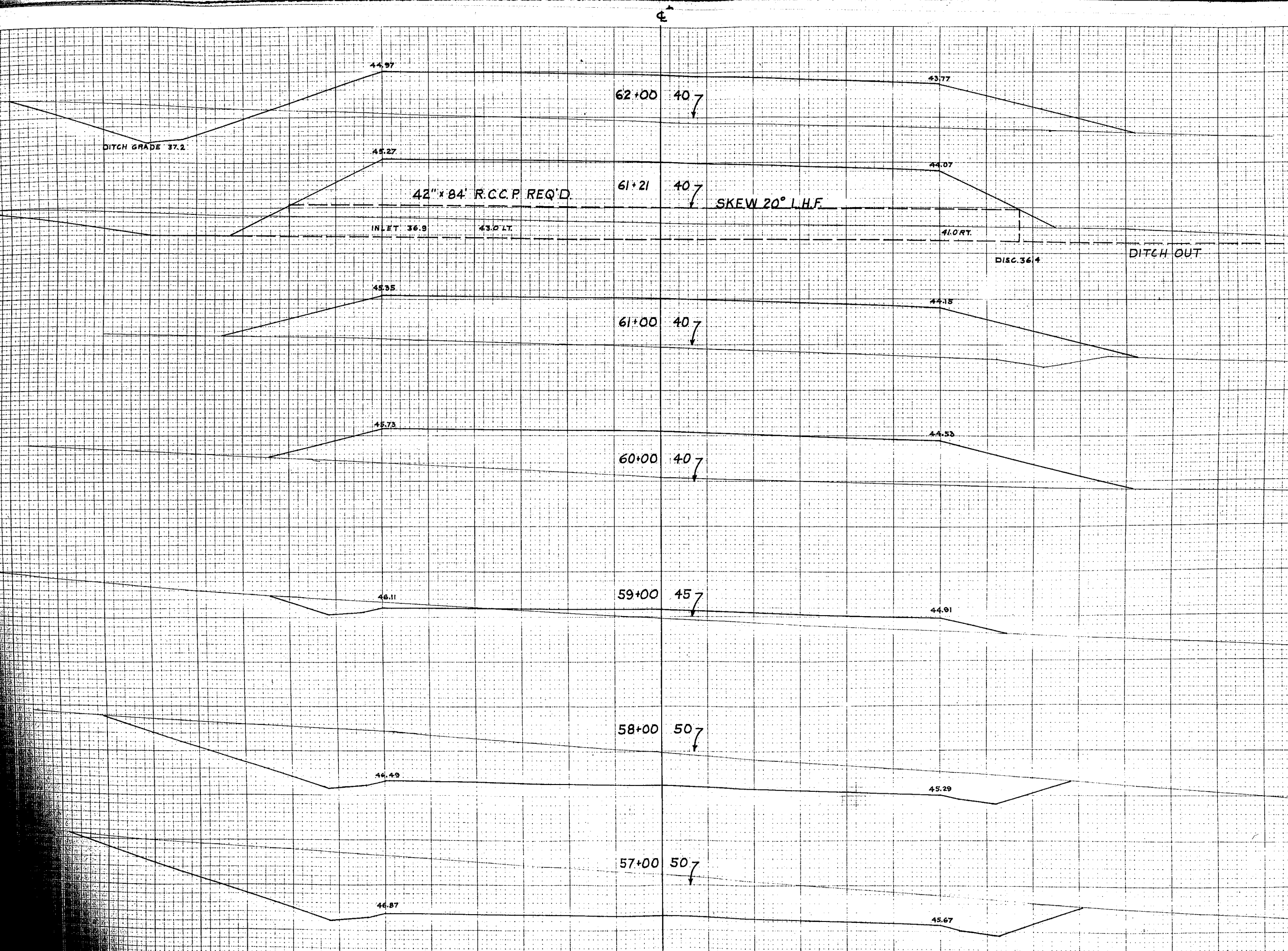


STATION	DISTANCE	YARDAGE		
		EXCAVATION		FILL
		UNC	UNC	
41				0
42		3028	2478	0
43		3876	1965	0
44		4128	1115	0
45		3463	552	0
SHEET TOTAL		14495	6110	0



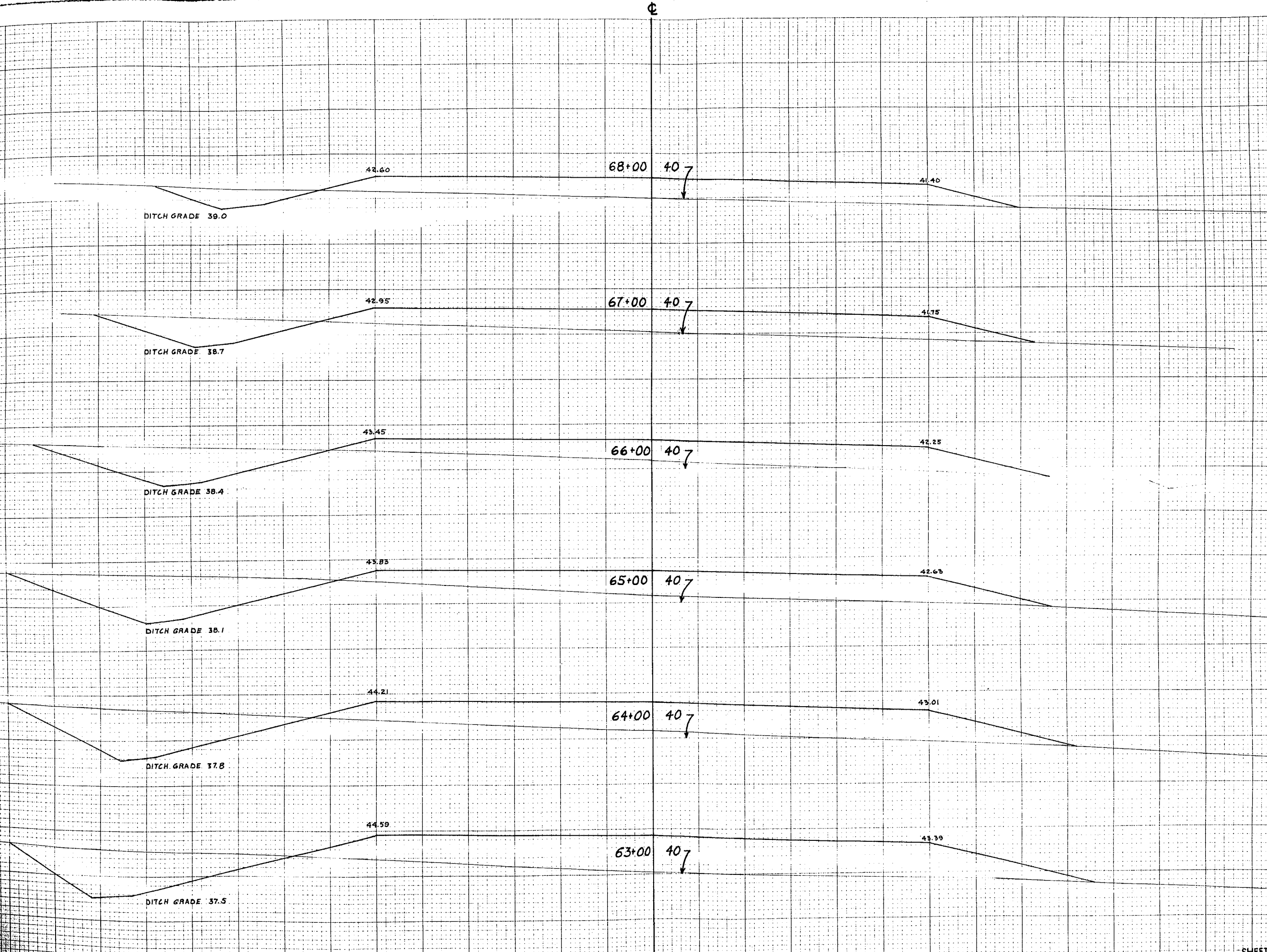


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
56+00	50+50	0	1267
55+00	51	0	1204
54+00	51+50	0	883
53+00	52	26	644
52+00	53	631	87
51+50	54	1402	0
51+00	55	2102	0
SHEET TOTAL		4161	



STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
56	UNC		
57	1600	2002	0
58	748	1600	0
59	31	748	102
60	0	31	754
61	0	0	1430
62	22	0	343
62+21	170	22	1224



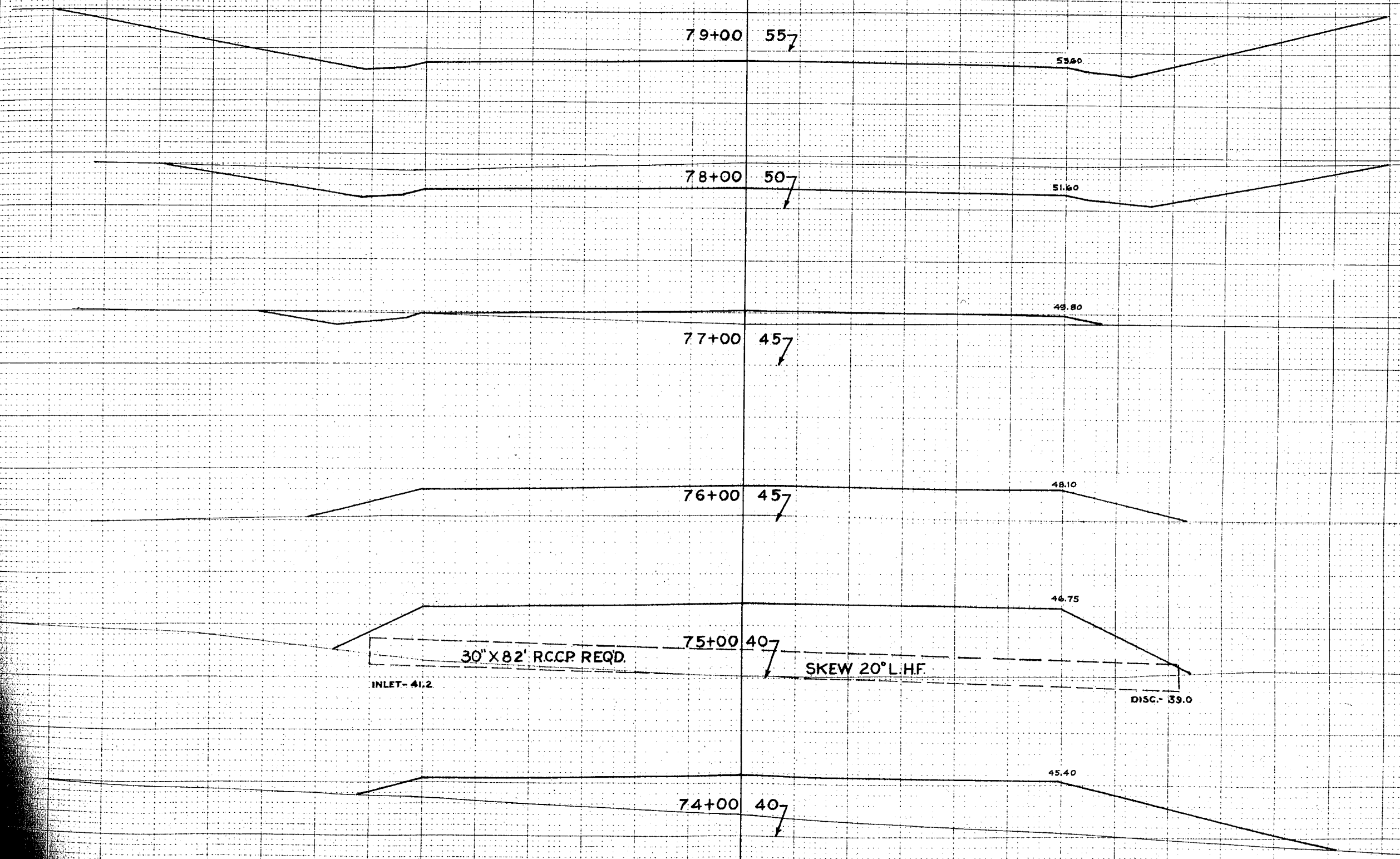


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
	UNC.		
62			
63	276		1209
64	350		915
65	381		719
66	328		600
67	217		578
68	126		565
<b>SHEET TOTAL</b>	<b>1678</b>		<b>4586</b>

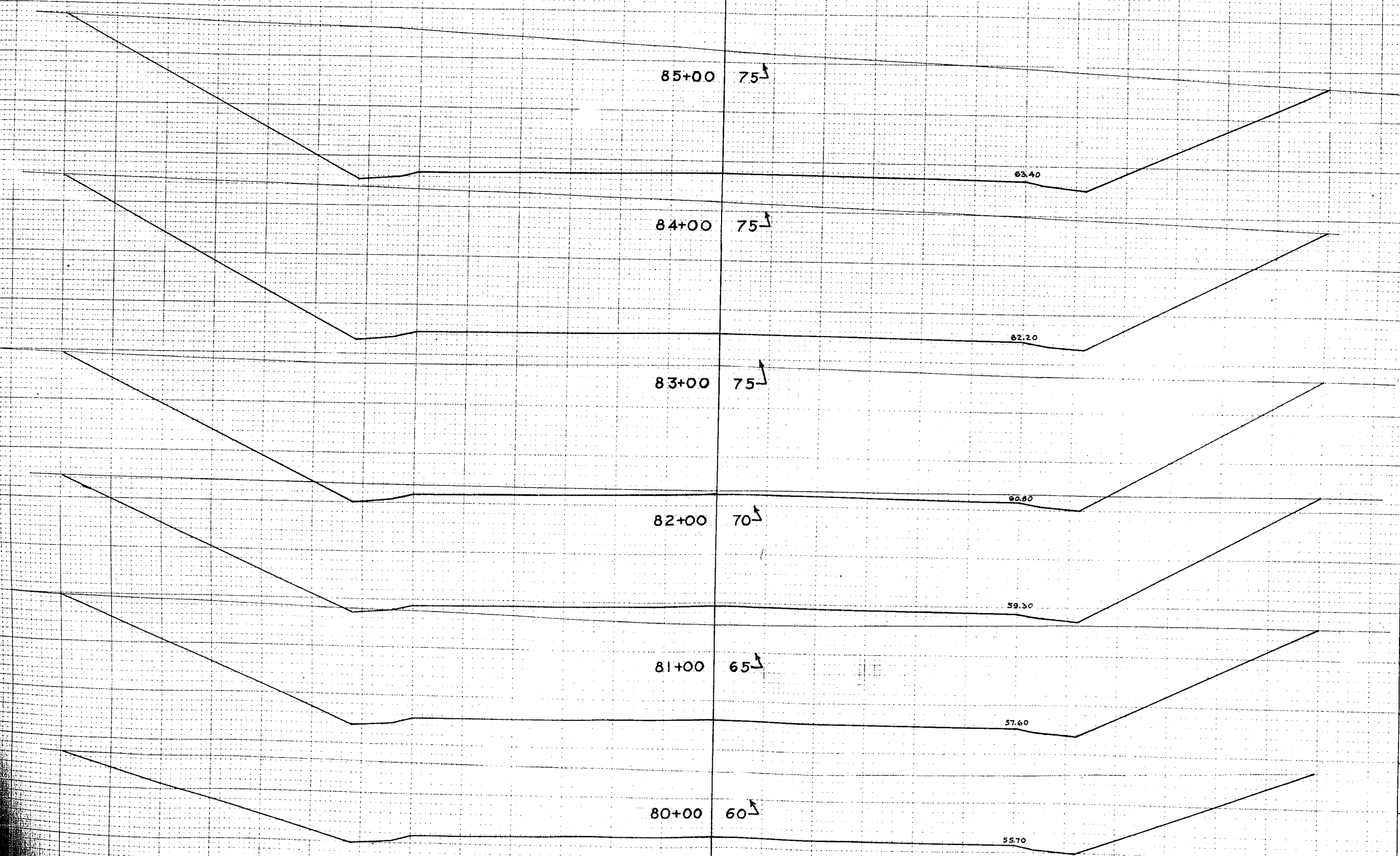




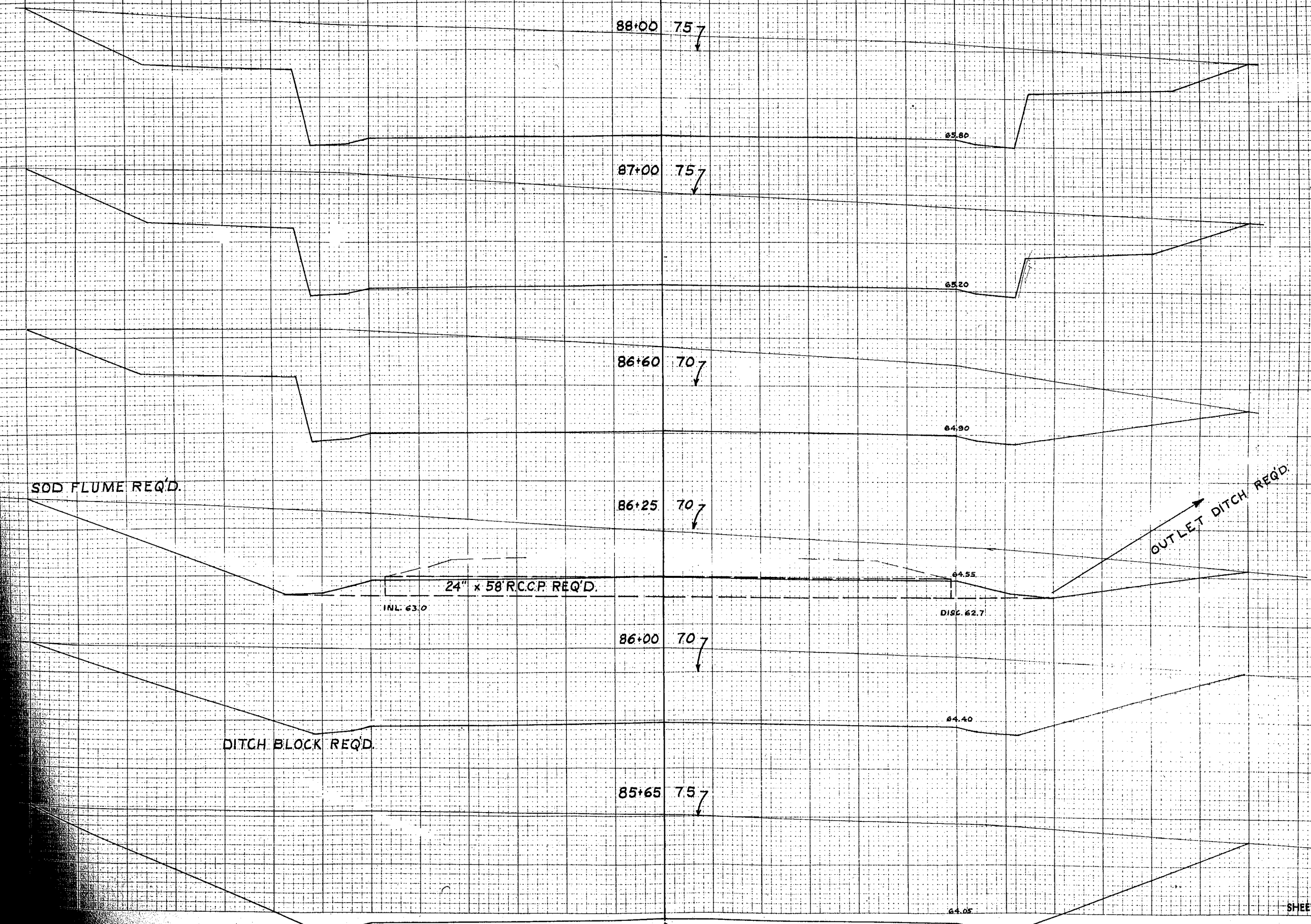




STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
73			
74	0		
75	0		
76	0		
77	0		
78	472		96
79	1376		0
TOTAL		1848	1446

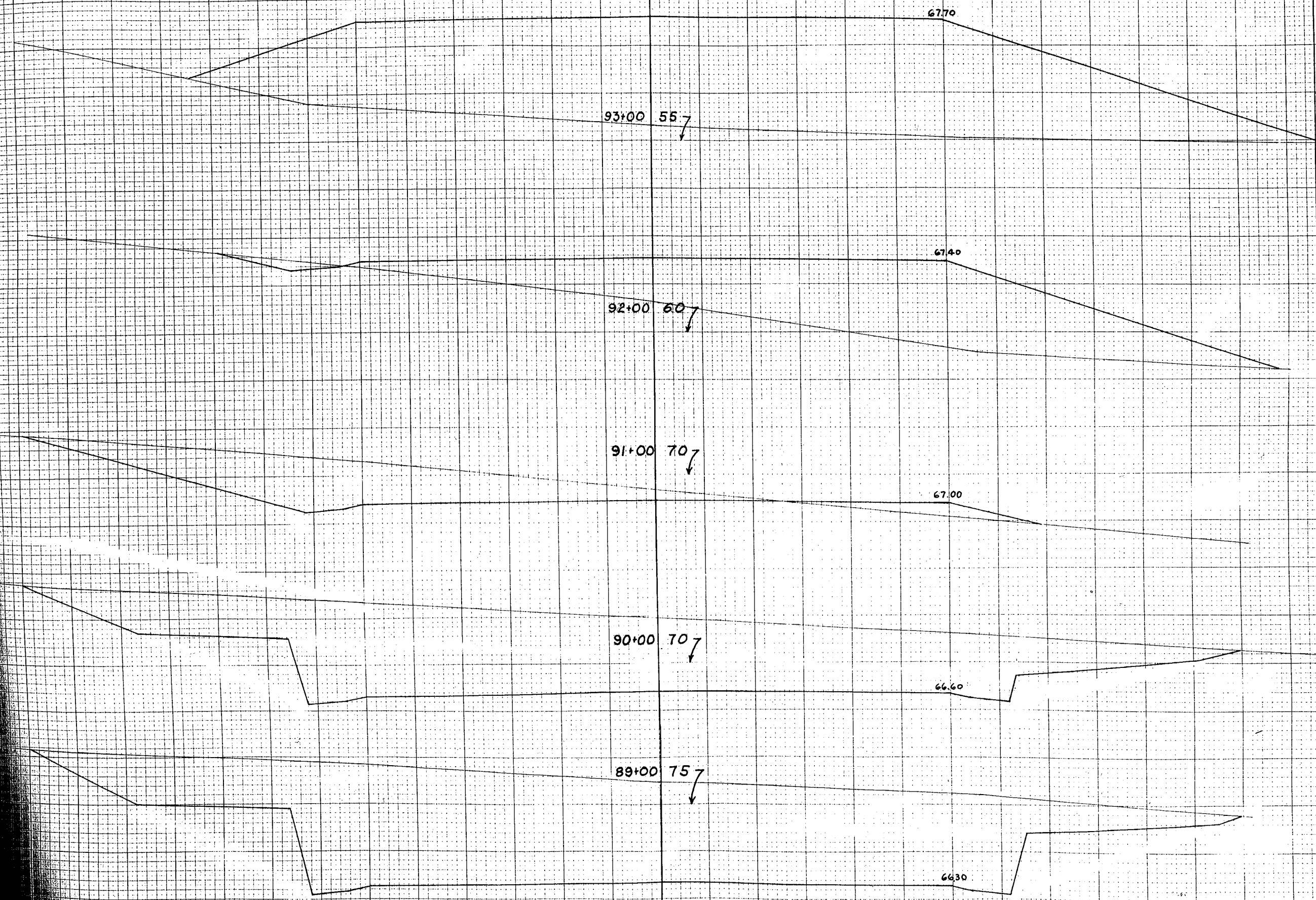


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
80	79		0
81	80		0
82	81		0
83	82		0
84	83		0
85	84		0
	85	4939	0
		4939	0
		4754	0
		4306	0
		3282	0
		2200	0
		UNC	
SHEET TOTAL		24474	0



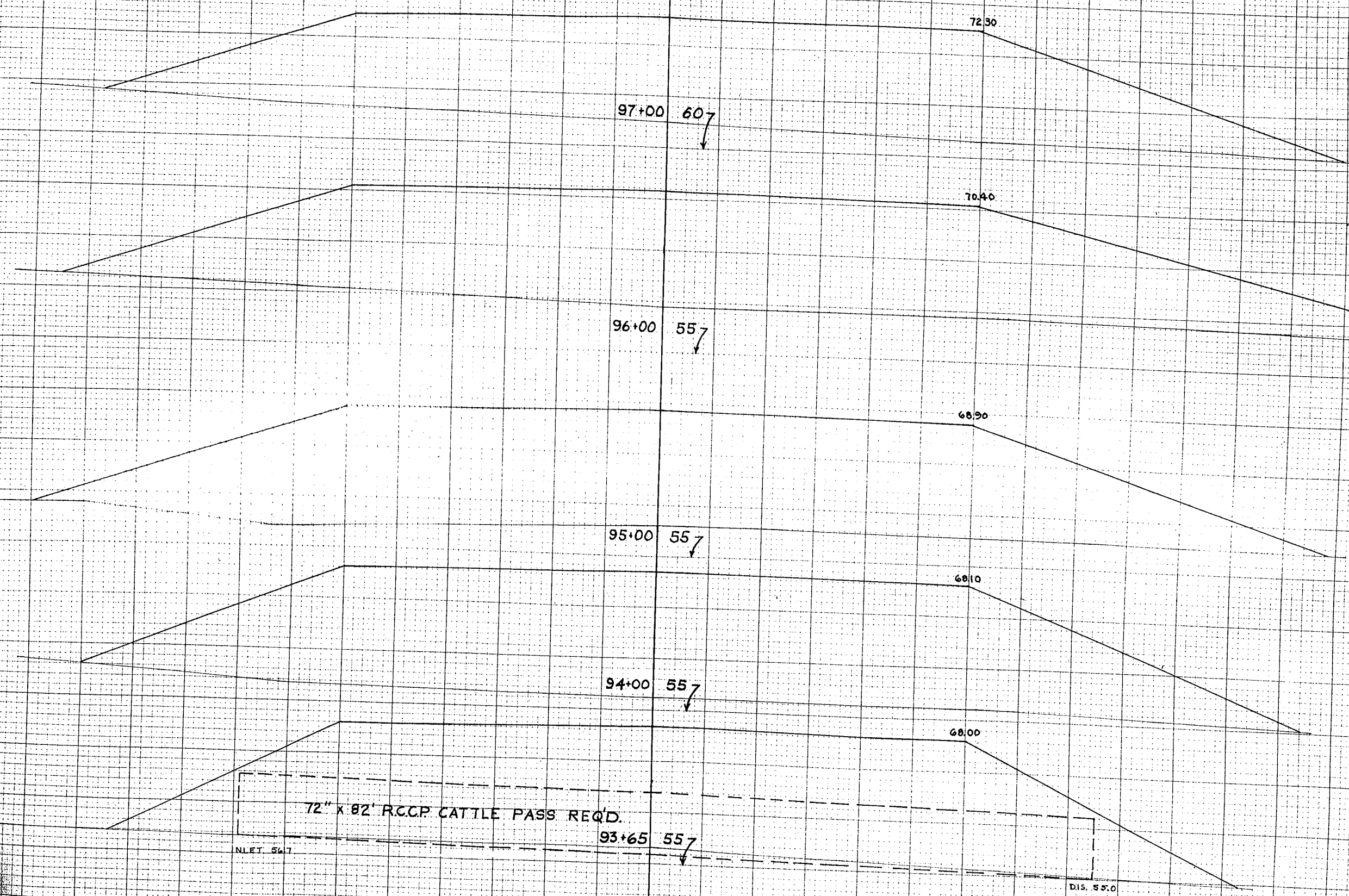
STATION	DISTANCE	YARDAGE		
		UNC.	EXCAVATION	FILL
85				
85+65				
86				
86+25				
86+60				
87				
88				
88+00				
<b>TOTAL</b>		<b>2200</b>	<b>1487</b>	<b>0</b>

SHEET TOTAL 86332052



STATION	DISTANCE	YARDAGE		
		EXCAVATION		FILL
		UNG.	UNG.	
88				0
89		1948	1733	0
90		1774	1480	0
91		1250	570	33
92	400	0	0	869
93	15	0	0	2671
TOTAL				





STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
93		0	2396
94		0	1335
95		0	3932
96		0	3895
97		0	3591

72" x 82' RCCP CATTLE PASS REQ'D.

NLET 56.7

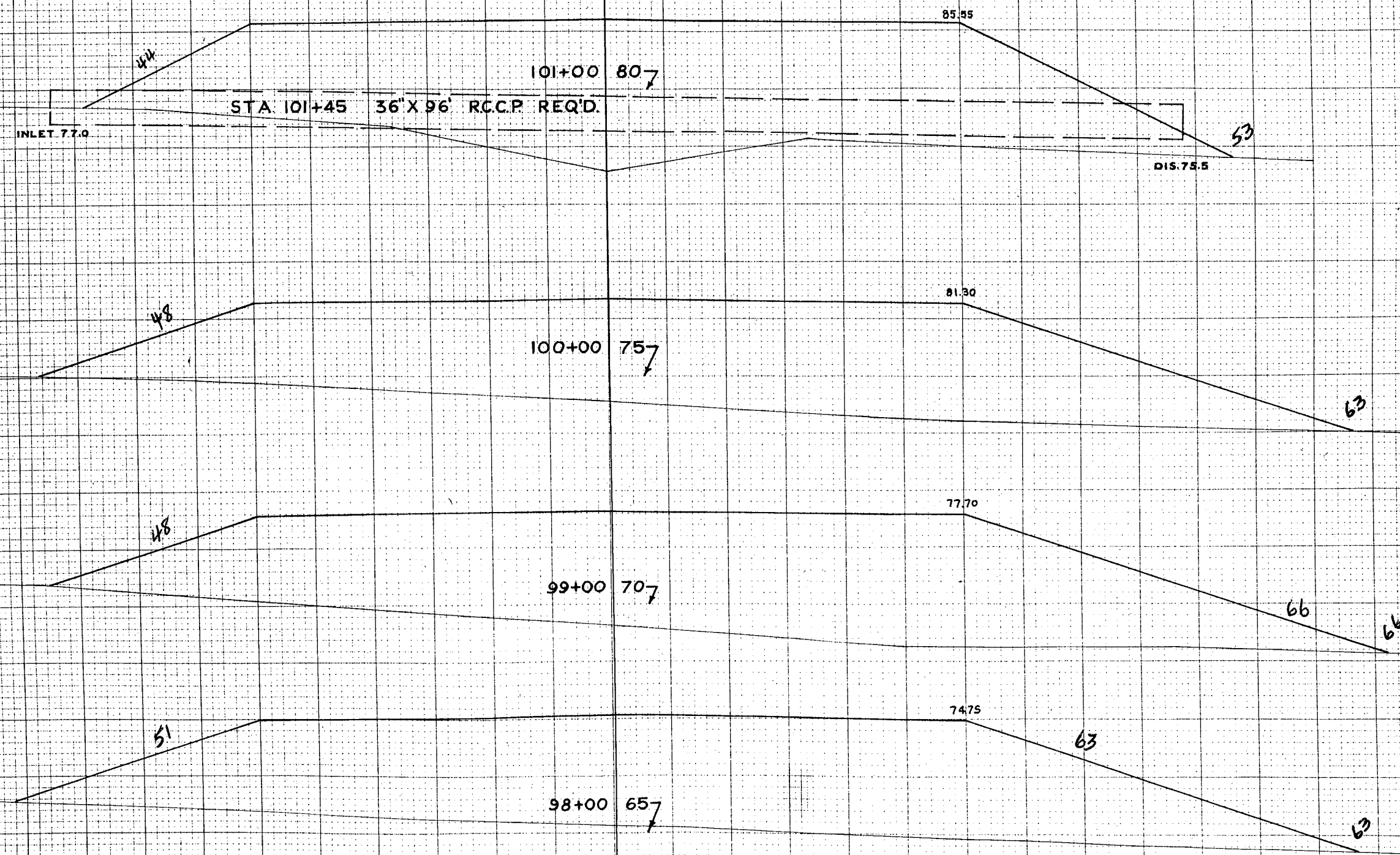
93+65 55.7

DIS. 55.0

STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
97			
98	0		3219
99	0		3148
100	0		2869
101	474		2811

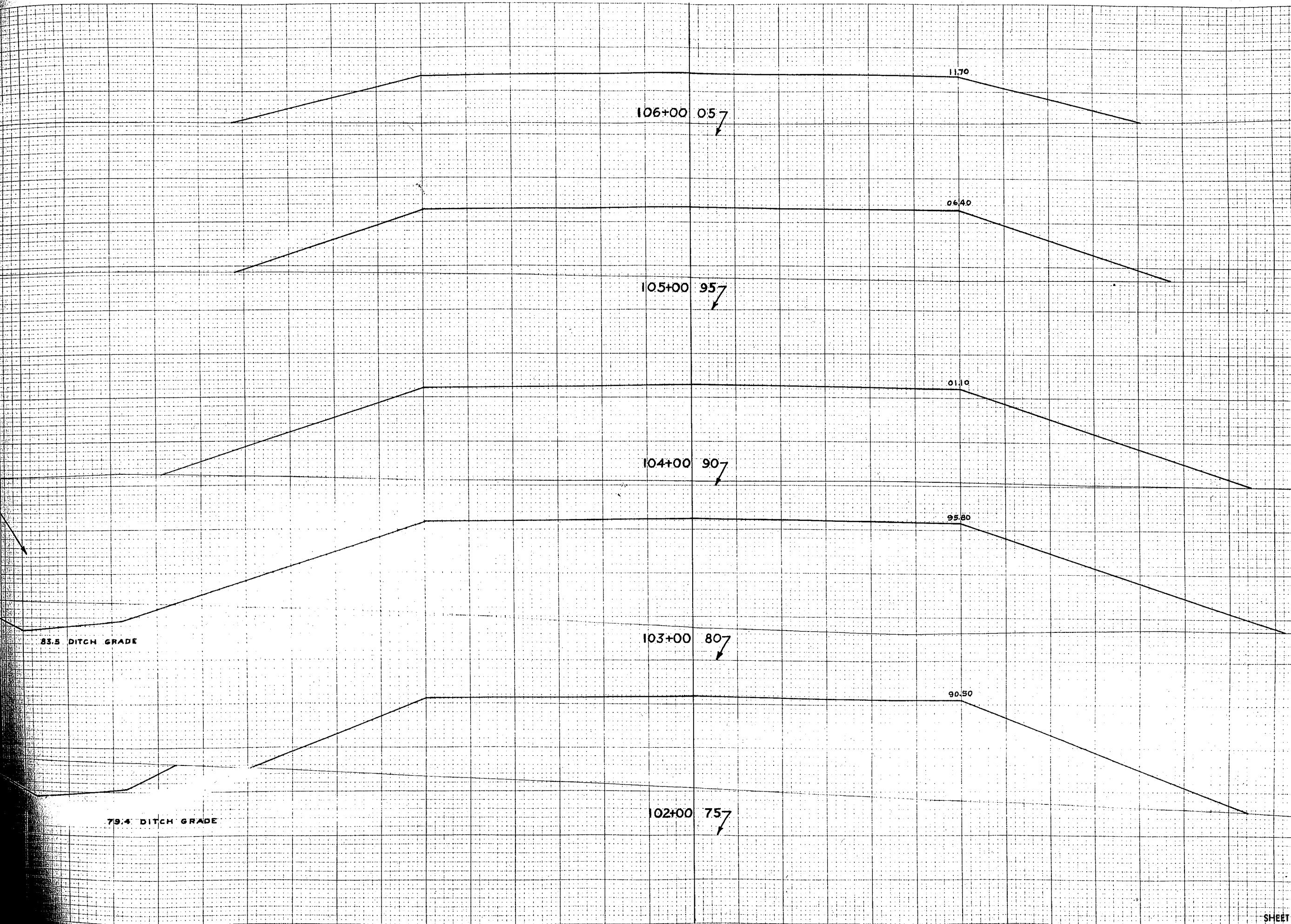
STATION	UNC	SR	FILL
97			
98	0		3219
99	0		3148
100	0		2869
101	474		2811

SHEET TOTAL: 474 16399







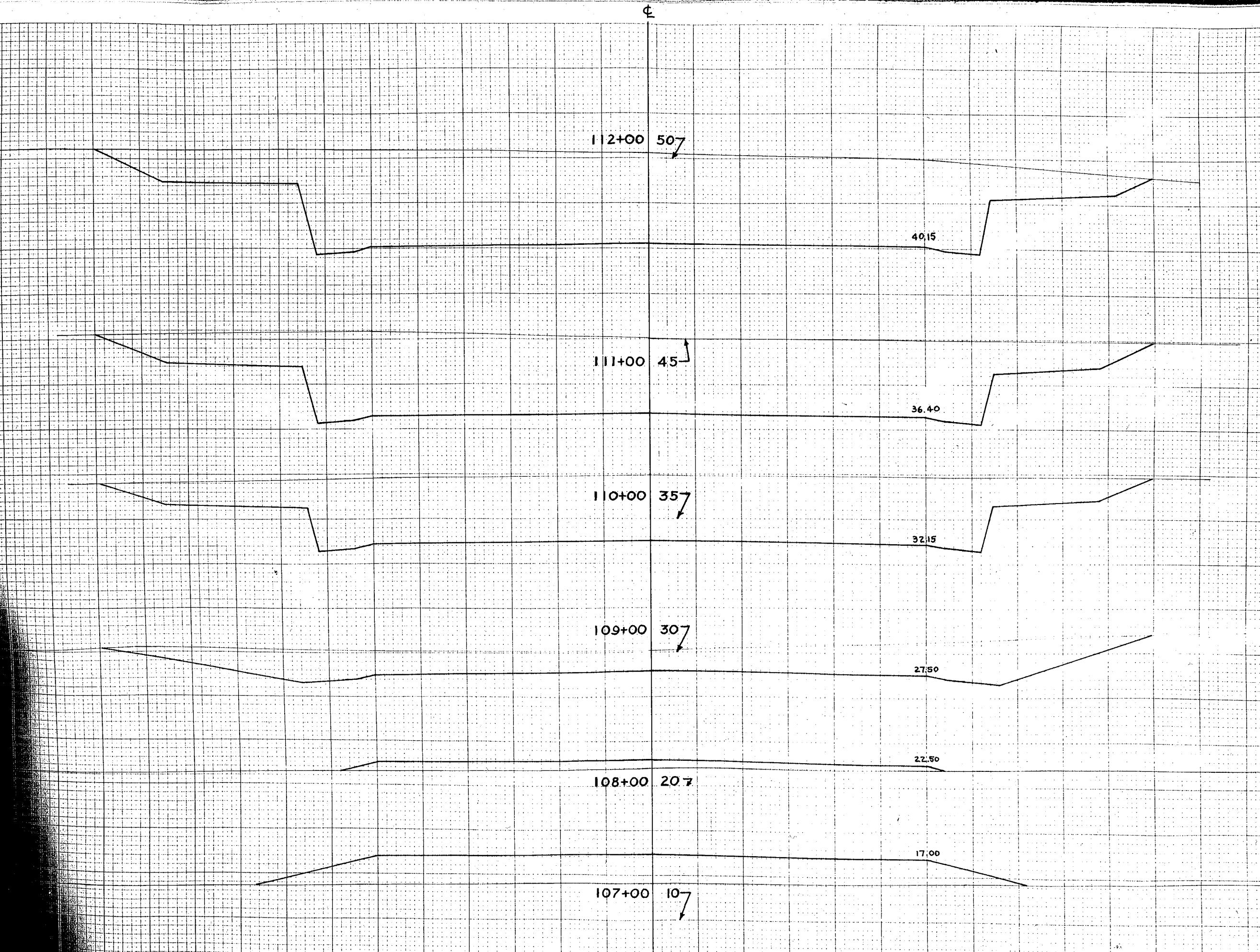


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
106			
105			
104			
103			
102			
101			
SHEET TOTAL		557	1580

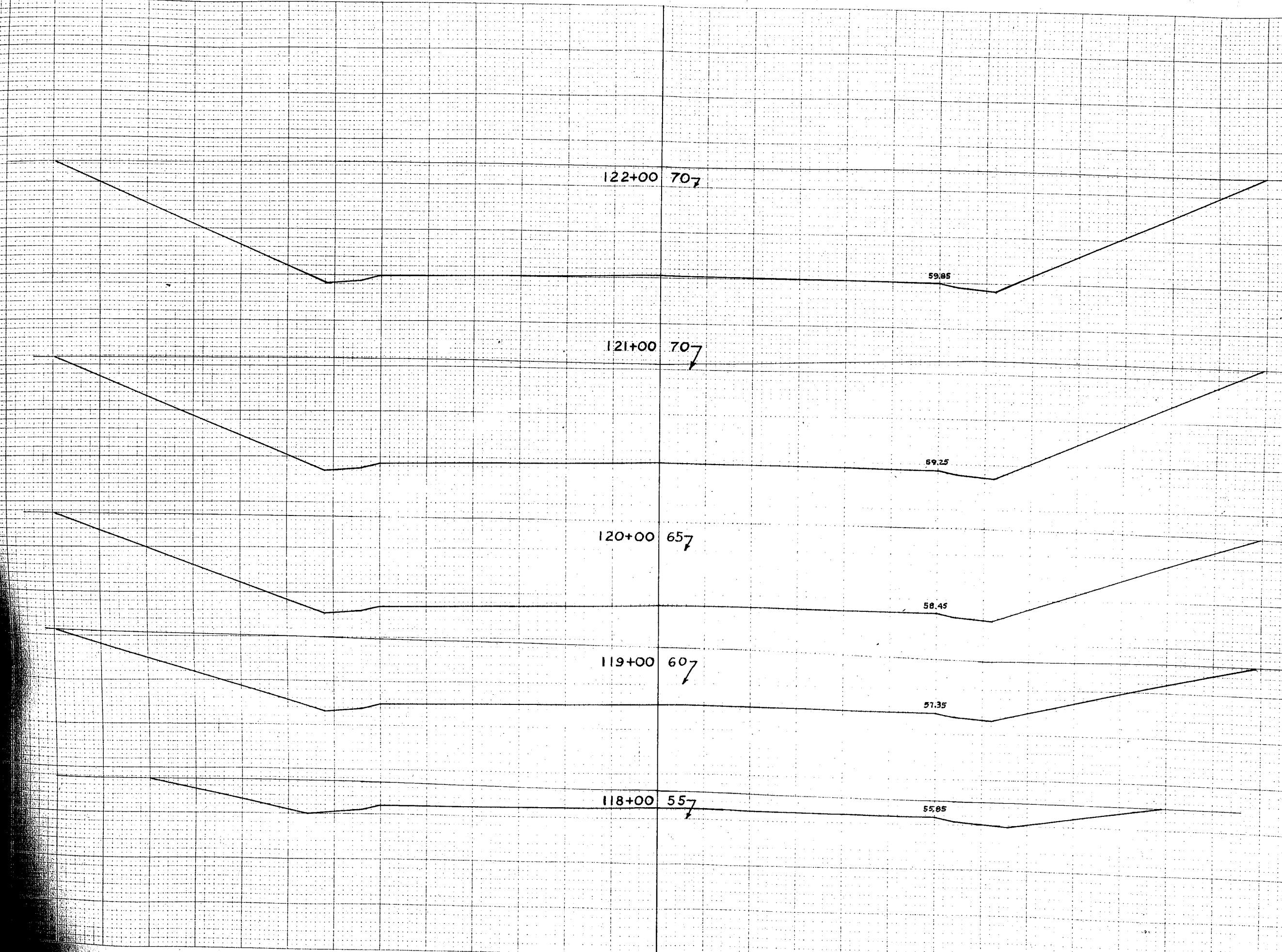
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STATION	DISTANCE	YARDAGE		
		EXCAVATION		FILL
		UNC.	UNC.	
106		0		1272
107		0		522
108		0		106
109		574		0
110		1213	546	0
111		1354	1231	0
112		1469	1476	0
TOTAL		4610	3253	1900



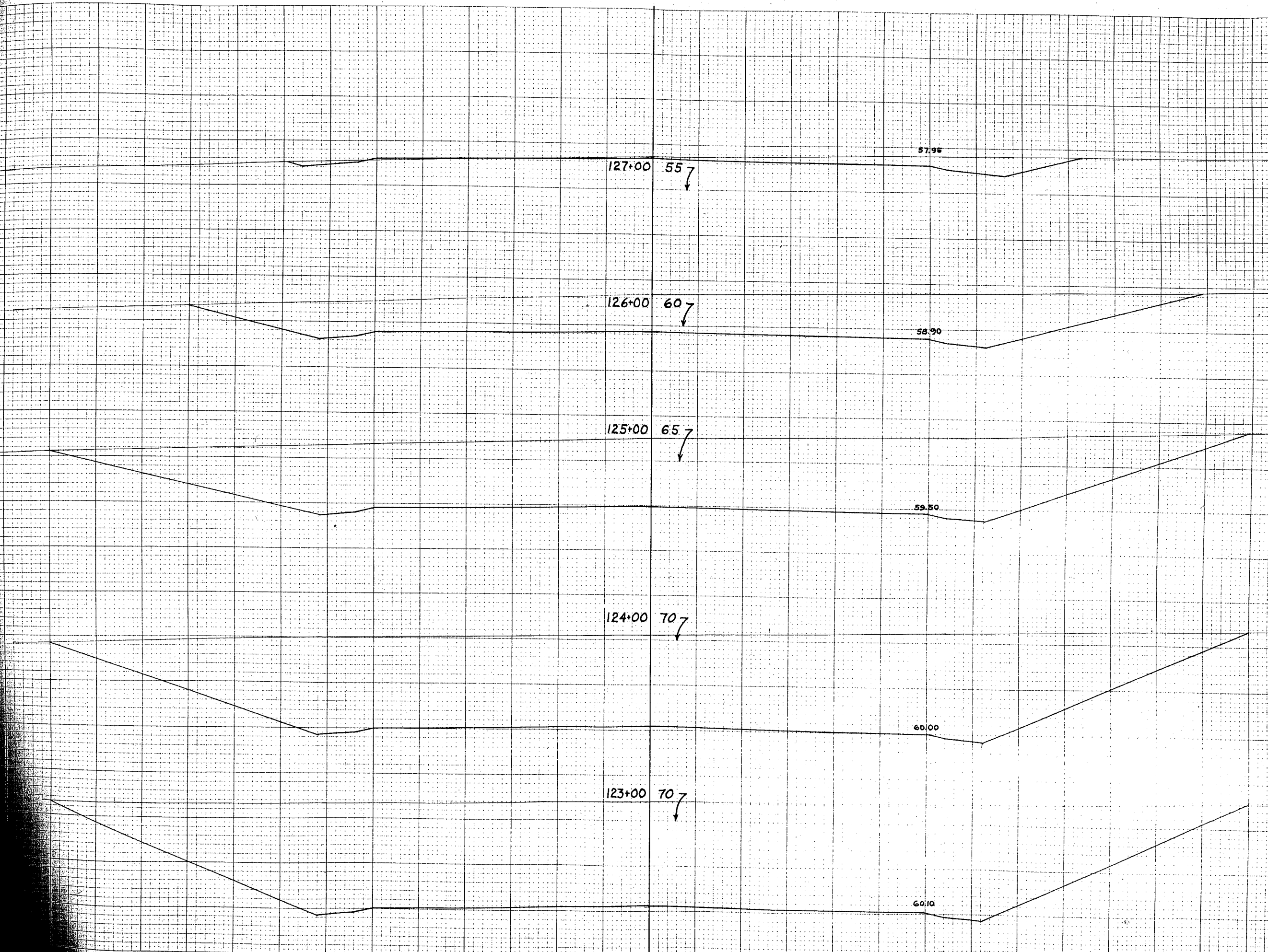




STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
122	121		
122	120		
121	119		
121	118		
118	117		
TOTAL		14045	380

SHEET TOTAL 14045 380

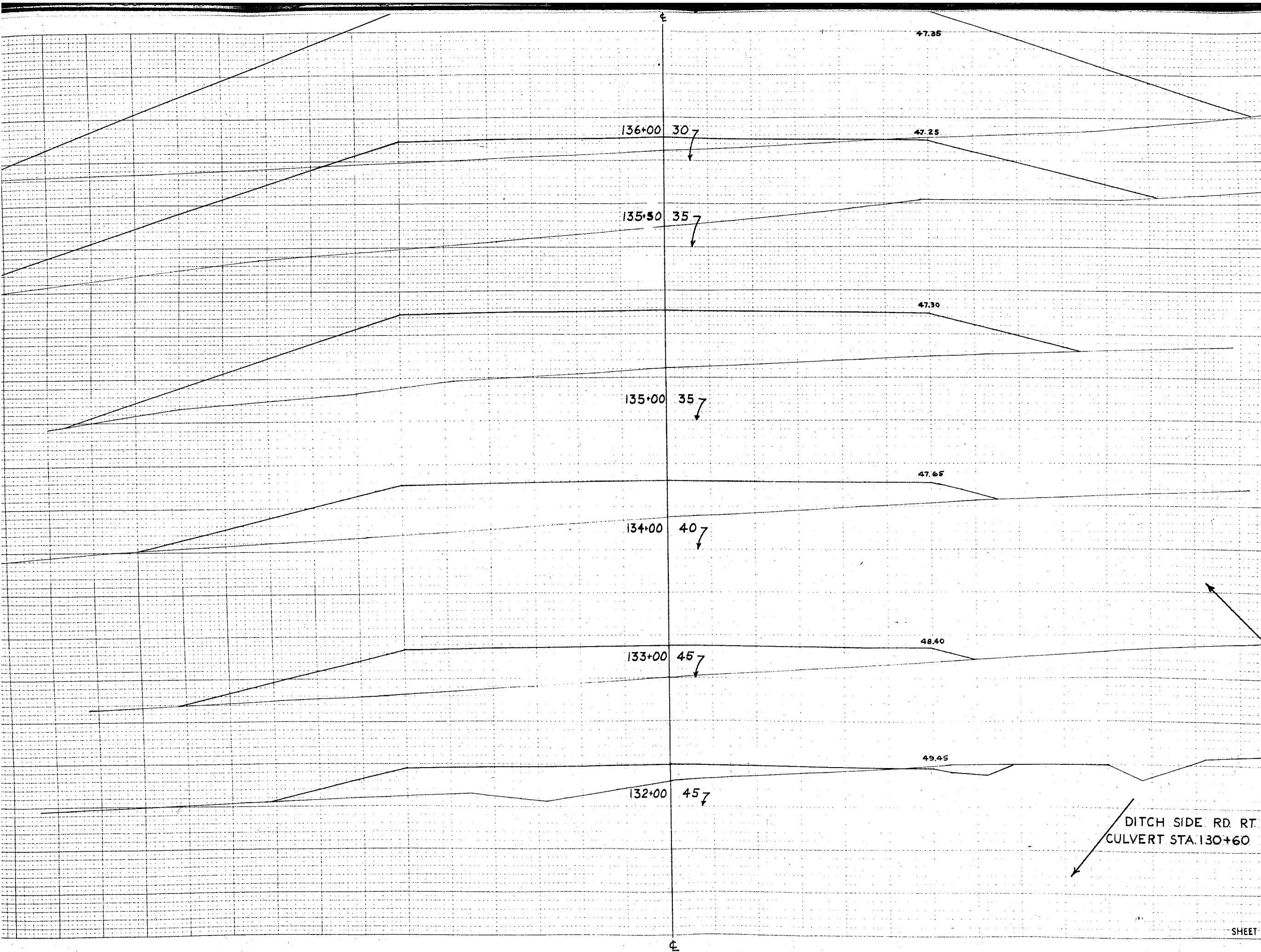




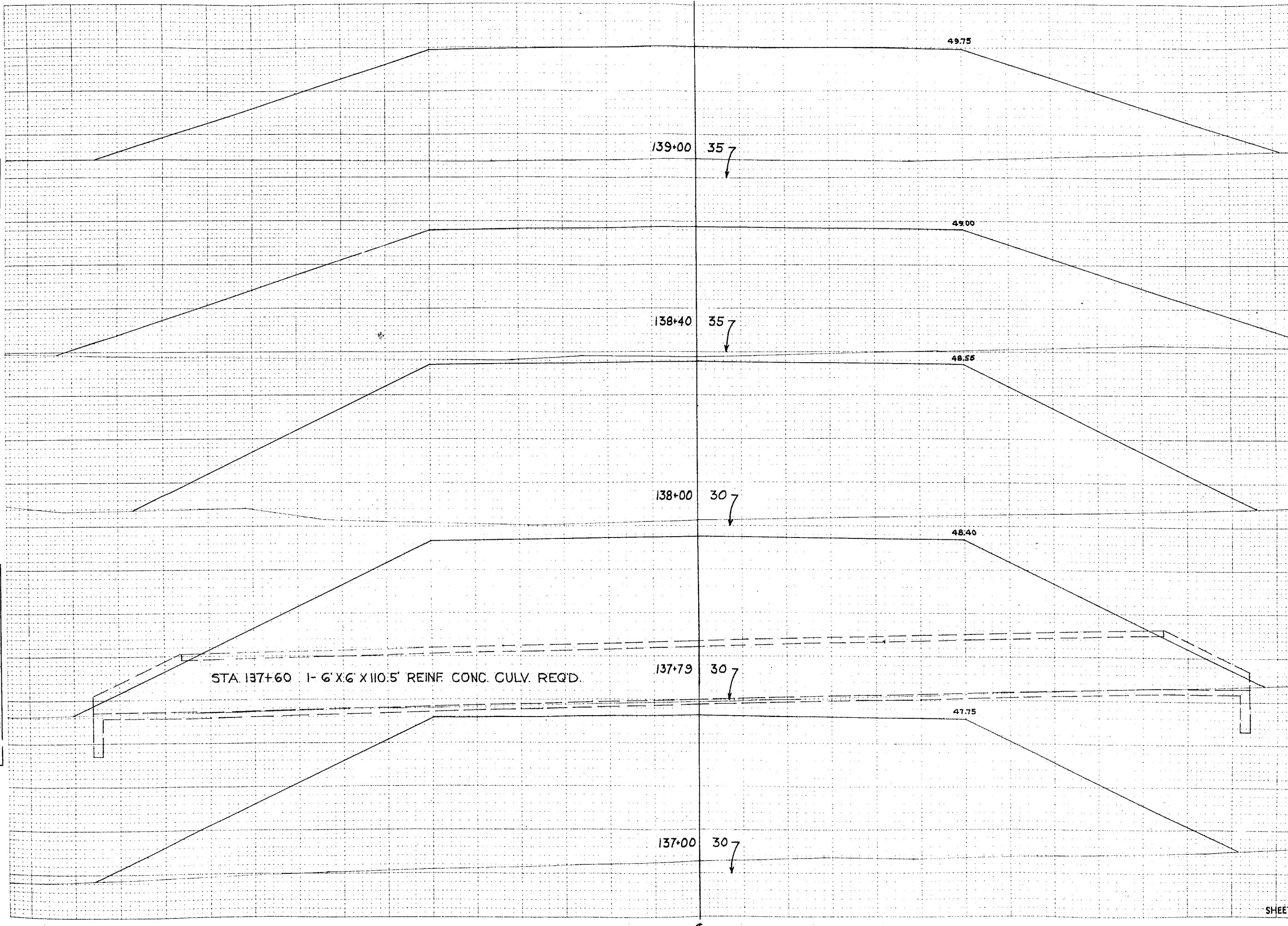
STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
122			
123			
124			
125			
126			
126	2261	3517	4285
127	4652		
SHEET TOTAL		14715	0







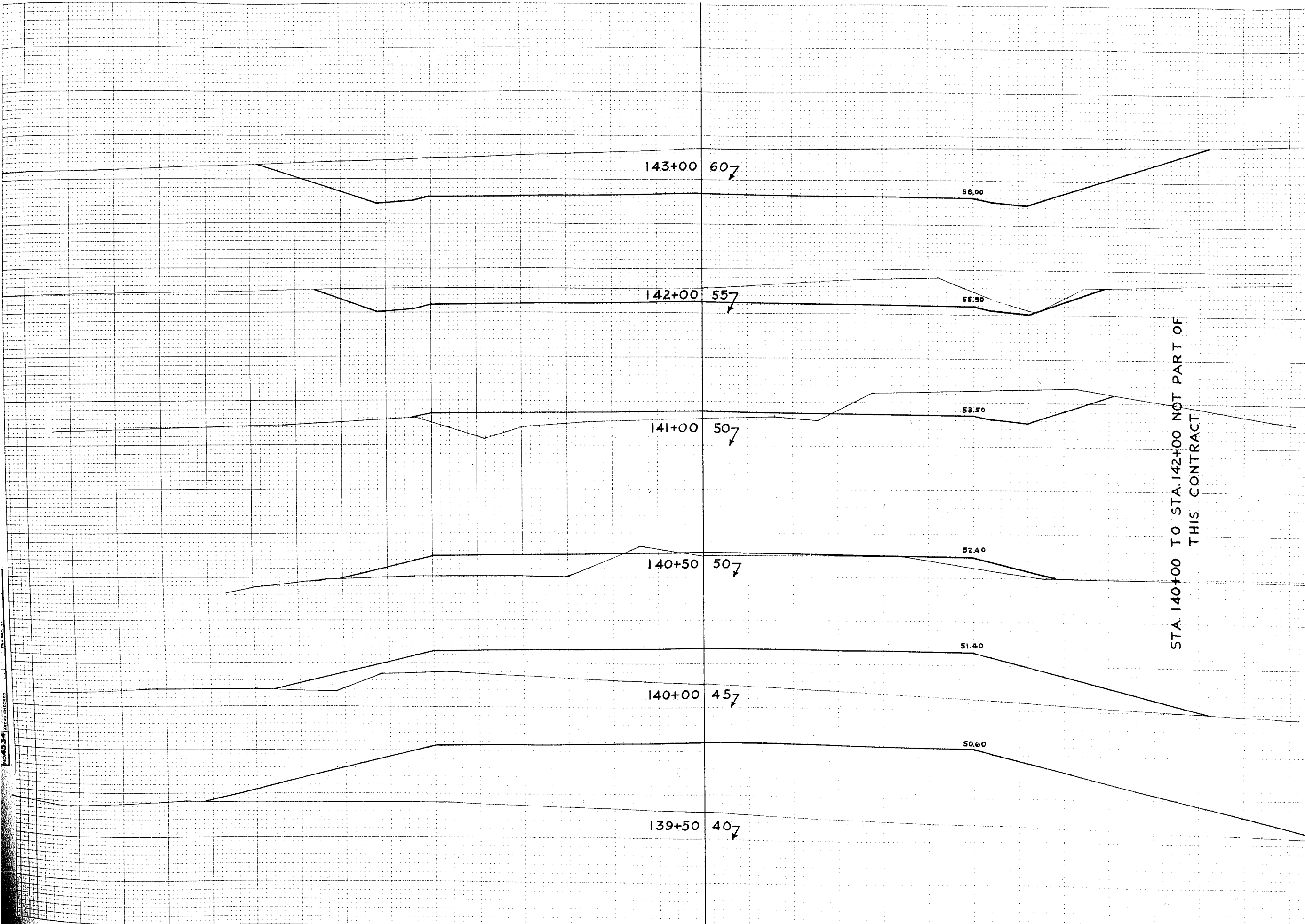
STATION	DISTANCE	YARDAGE	
		EXCAVATION	
		UNC.	FILL
131			
132			
133	SR 236	13	894
134	0		SR 640
135	0		1183
135+50	0		1748
136	0		2521
136+00			1508
135+00			1748
134+00			1183
133+00			894
132+00			2521
SHEET TOTAL		262	9314



STATION	DISTANCE	YARDAGE		
		UNC.	EXCAVATION	FILL
136				
137		0		6056
137+79		0		4976
38		0		1367
138+40		0		2343
139		0		3028
SHEET TOTAL		0		17770

STA 137+60 1-6' X 6' X 110.5' REINF. CONC. CULV. REQ'D.

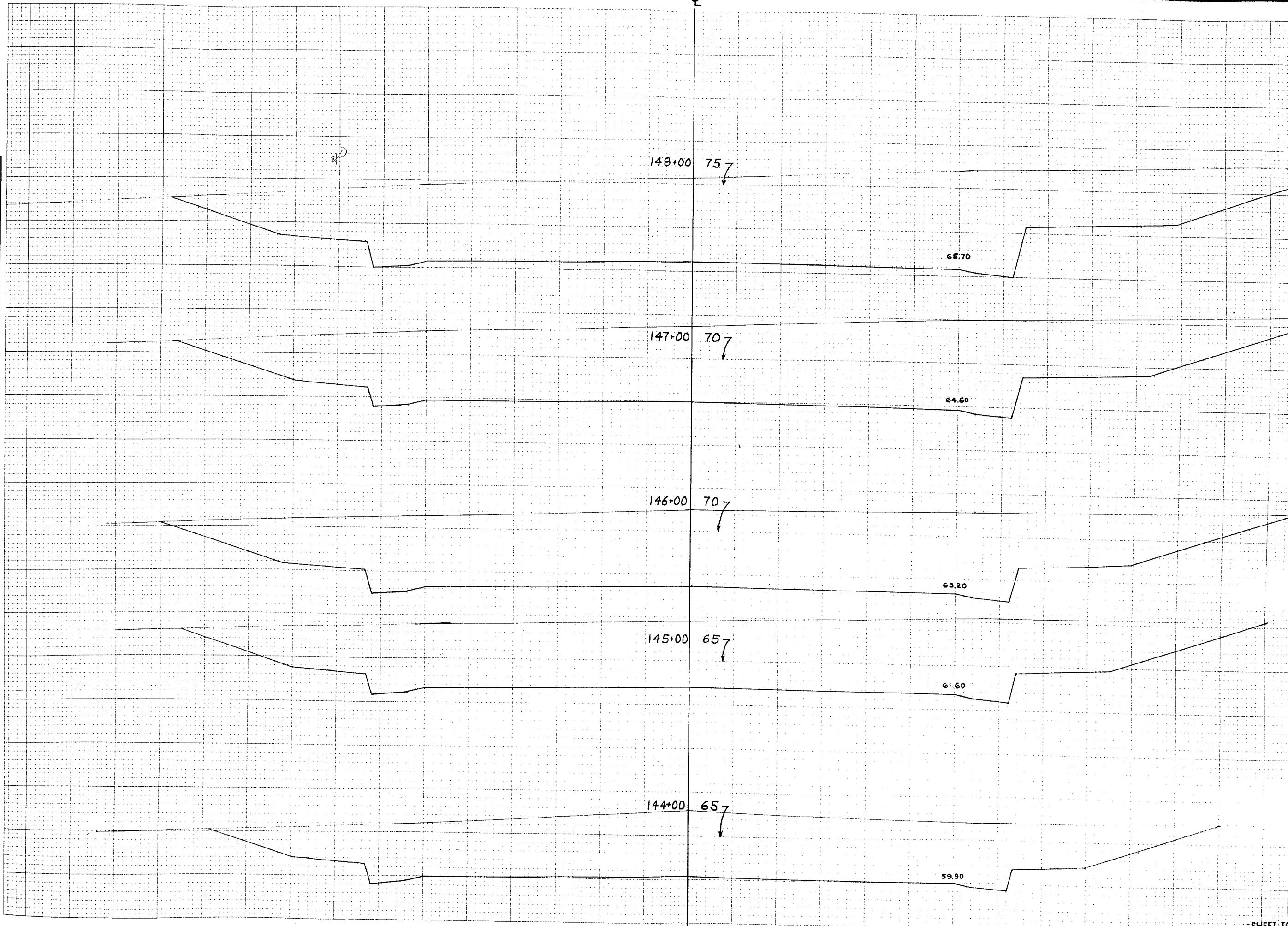
1-53  
 2-53  
 4534



STA. 140+00 TO STA. 142+00 NOT PART OF THIS CONTRACT

STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
139	0	0	1848
140	0	0	1006
140+50	0	0	0
141	0	0	0
142	0	0	0
143	1167	0	0
<b>SHEET TOTAL</b>	<b>1167</b>		<b>2854</b>

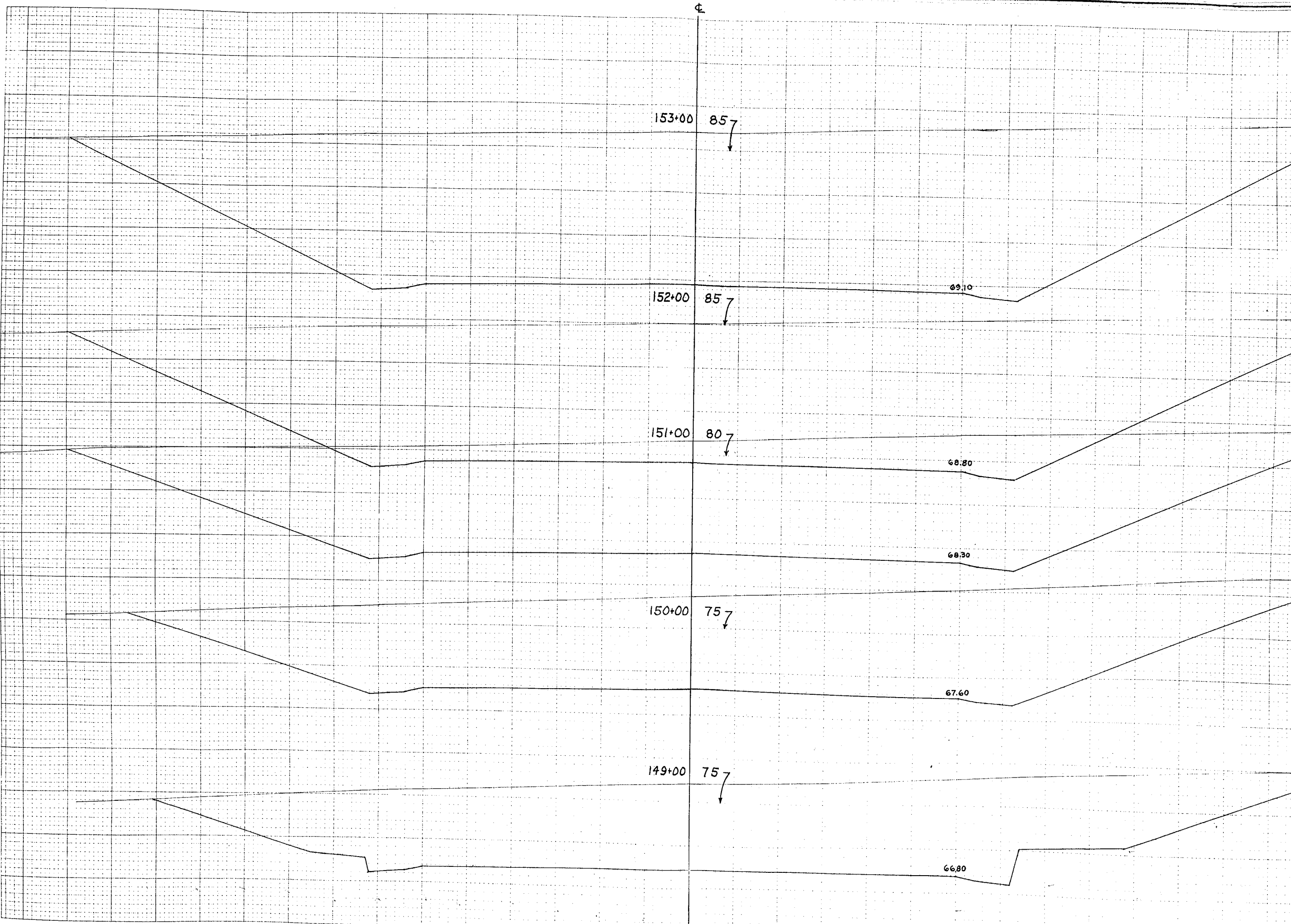
ORIGINAL SURVEY PRINTED ON 12" x 18" TEMPLATE NO. 4534  
 ORIGINAL SURVEY PRINTED ON 12" x 18" TEMPLATE NO. 4534  
 ORIGINAL SURVEY PRINTED ON 12" x 18" TEMPLATE NO. 4534  
 ORIGINAL SURVEY PRINTED ON 12" x 18" TEMPLATE NO. 4534  
 ORIGINAL SURVEY PRINTED ON 12" x 18" TEMPLATE NO. 4534



P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	F 05-3 (17)	59	73

STATION	DISTANCE	YARDAGE	
		UNC.	EXCAVATION
143	144	1867	
144	145	2122	487
145	146	2428	613
146	147	2611	689
147	148		800
148	149		
149	150		
150	151		
151	152		
152	153		
153	154		
154	155		
155	156		
156	157		
157	158		
158	159		
159	160		
160	161		
161	162		
162	163		
163	164		
164	165		
165	166		
166	167		
167	168		
168	169		
169	170		
170	171		
171	172		
172	173		
173	174		
174	175		
175	176		
176	177		
177	178		
178	179		
179	180		
180	181		
181	182		
182	183		
183	184		
184	185		
185	186		
186	187		
187	188		
188	189		
189	190		
190	191		
191	192		
192	193		
193	194		
194	195		
195	196		
196	197		
197	198		
198	199		
199	200		

SHEET TOTAL 117892806

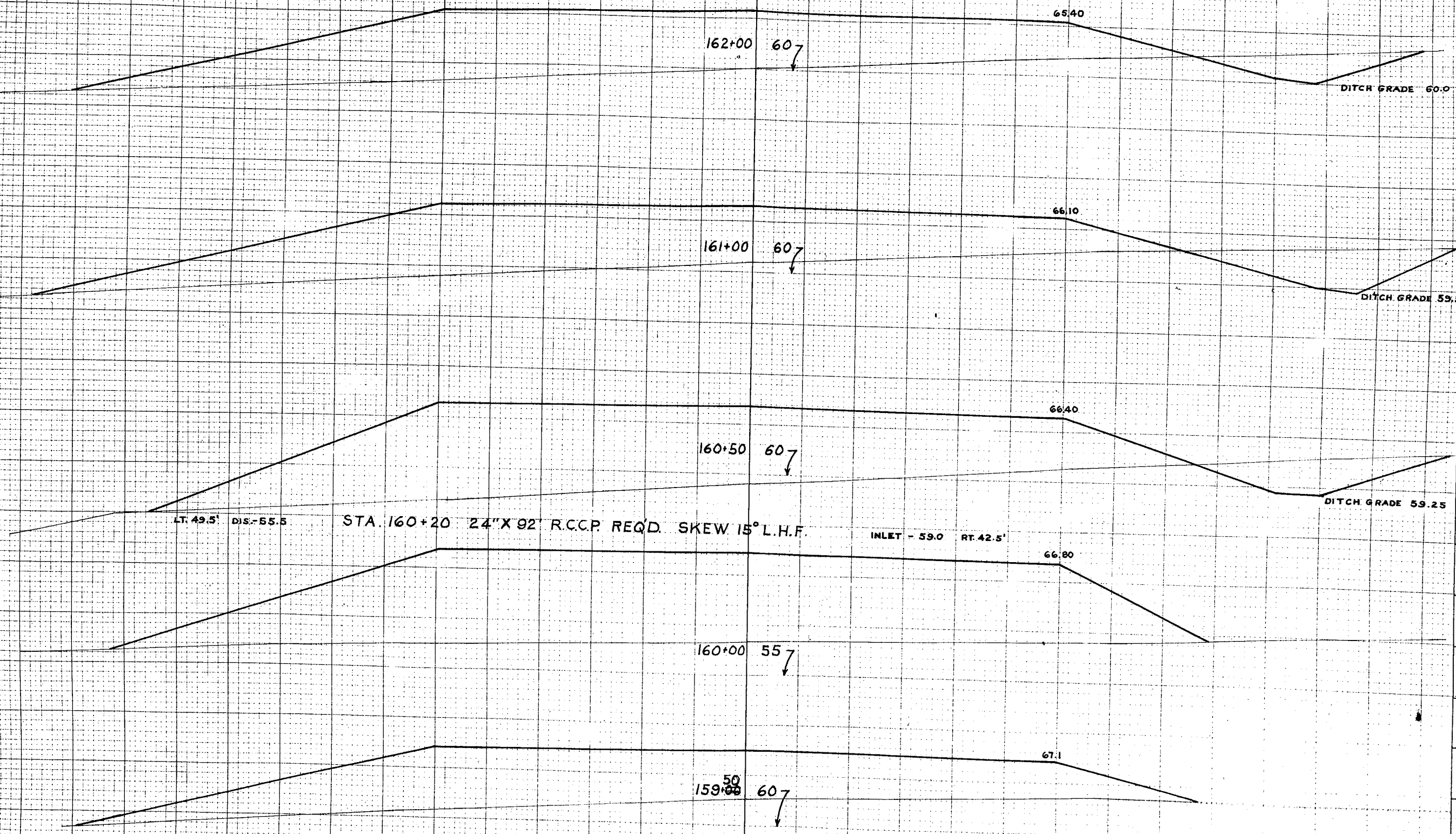


STATION	DISTANCE	YARDAGE		FILL
		EXCAVATION		
153	148	7036	0	0
152	149	6187	0	0
151	150	3246	0	0
150	149	4019	278	0
149	148	3169	731	0
SHEET TOTAL		23657	1009	0

NO. 4534  
 AREA CHECKED  
 E.C.B.  
 2-53







STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
162	161	189	106
+50	160	56	0
+50	160	0	0
159	159	0	0
<b>TOTAL</b>		<b>1817</b>	<b>1052</b>

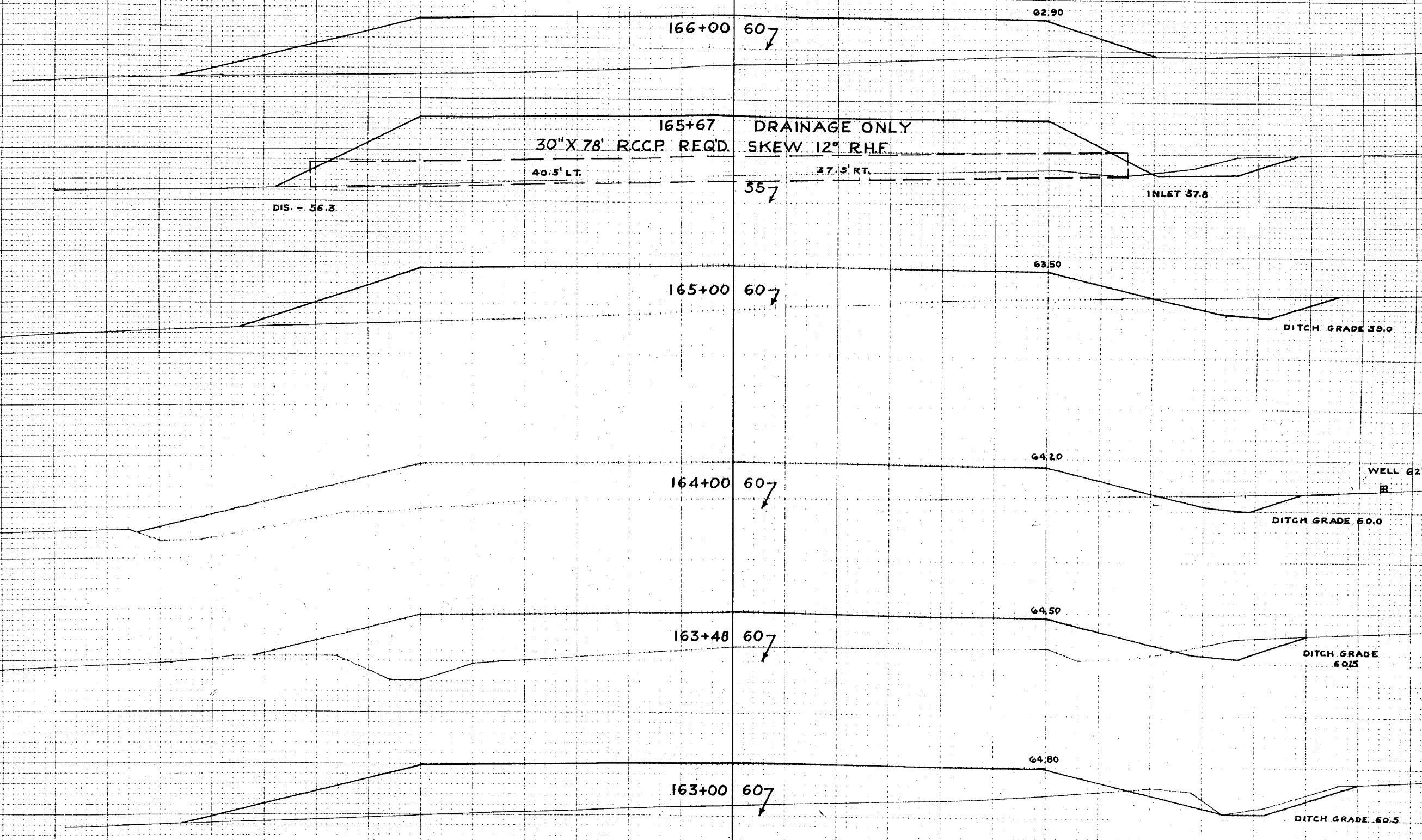
LT. 49.5' DIS. - 55.5

STA. 160+20 24" X 92" R.C.C.P. REQ'D. SKEW 15° L.H.F.

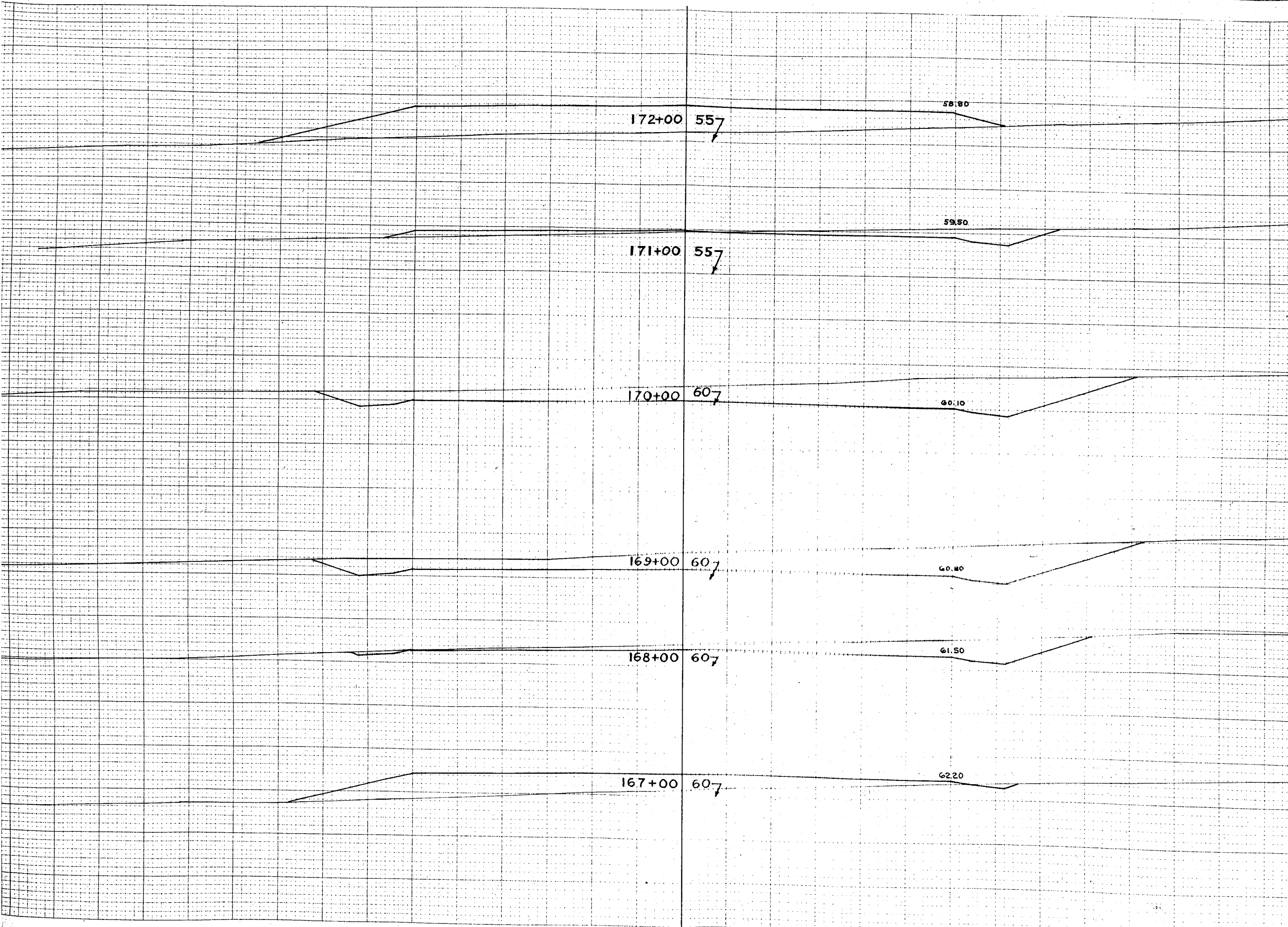
INLET - 59.0 RT. 42.5'



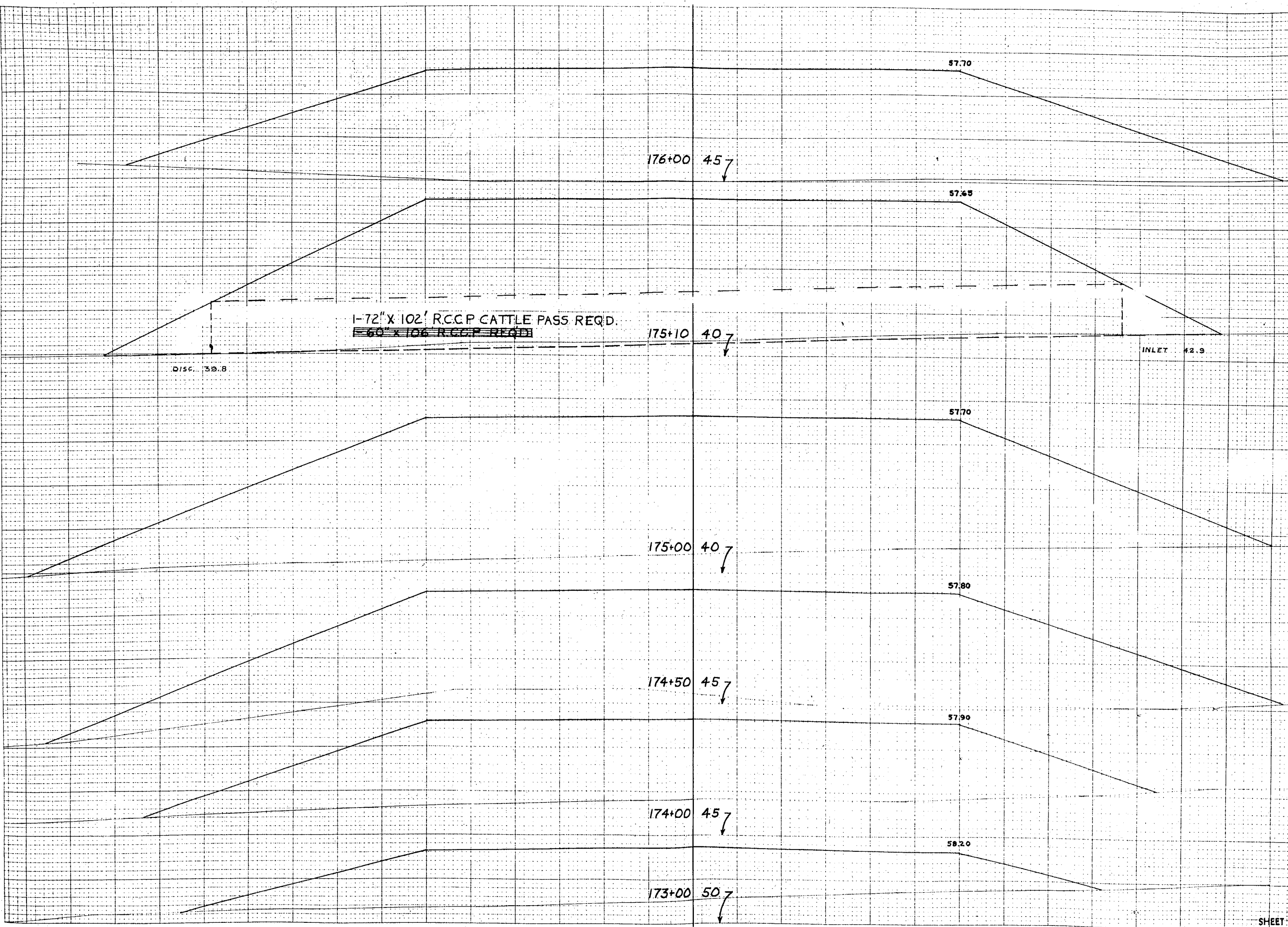




STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
166	54		1446
165	54		1165
164	30		594
+48		SR	1618
163	83	SR	1489
162			550
SHEET TOTAL		742	686

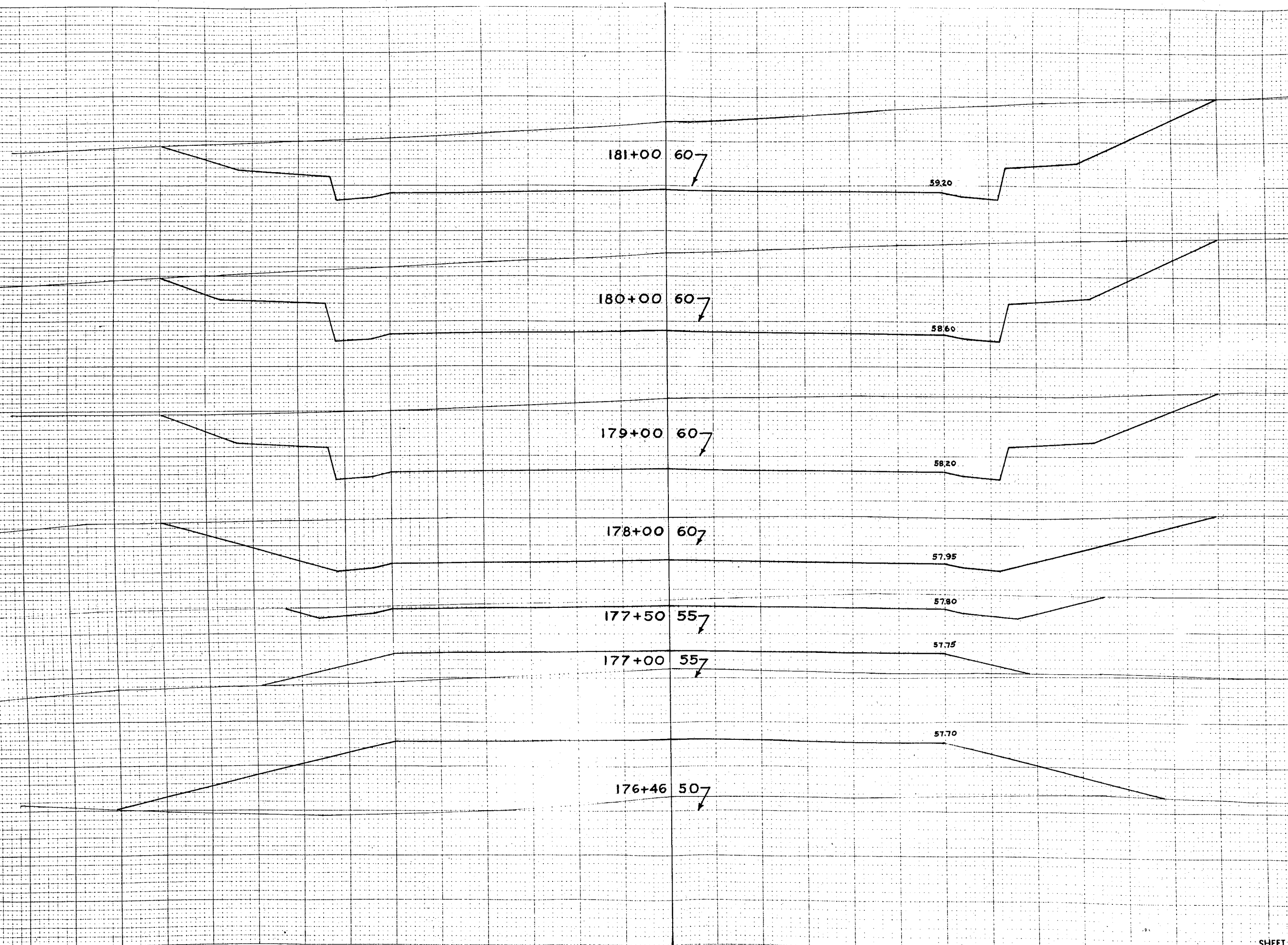


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
172	48	946	31
171	48	946	31
170	48	946	31
169	48	946	31
168	48	946	31
167	48	946	31
166	48	946	31
<b>TOTAL</b>		<b>2908</b>	<b>1756</b>



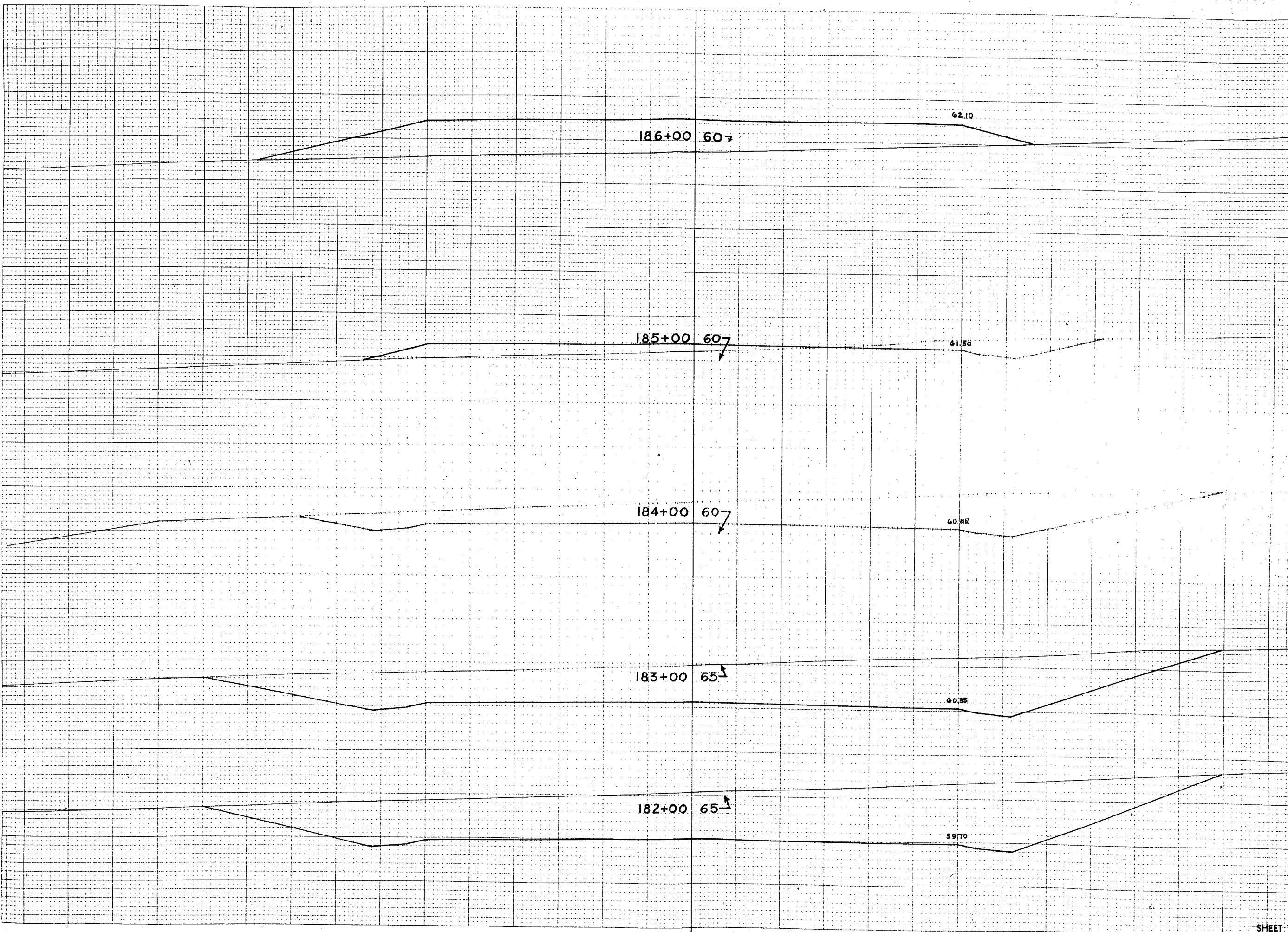
STATION	DISTANCE	YARDAGE		
		UNC.	EXCAVATION	FILL
176+00	+10			4458
175+00	+50	0		565
174+50		0		2617
174+00		0		1917
173+50		0		2398
173+00		0		1294
SHEET TOTAL		0		13249

NO. 4533 ARTIAN  
 J. J. J.  
 JAMES GILBERT

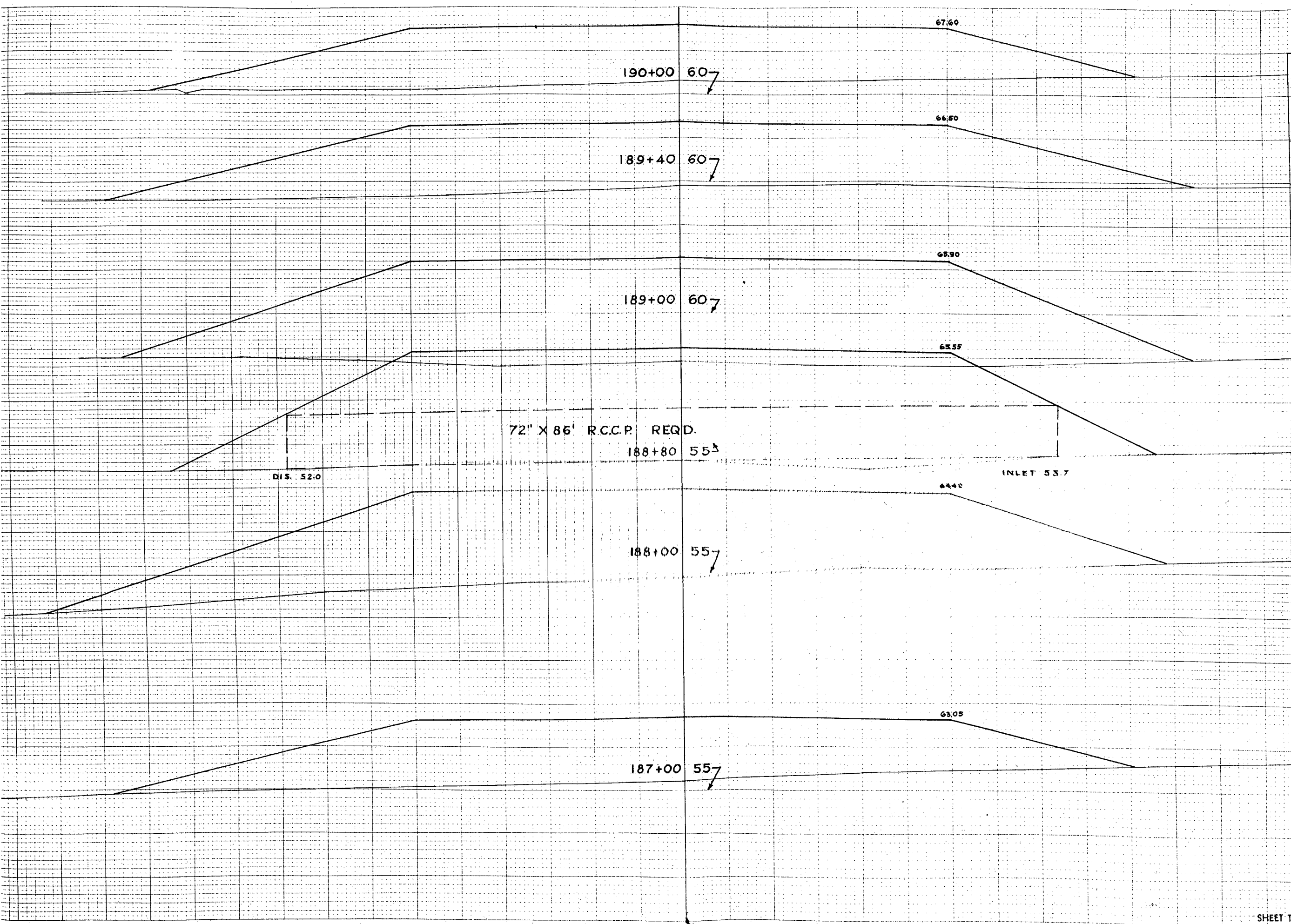


STATION	DISTANCE	YARDAGE		
		UNC.	UNC.	FILL
181				
180		2043	789	
179		1995	837	
178		1854	389	
+50		533		0
177		87		174
+46		0		809
176				1546
SHEET TOTAL		6512	2015	2529





STATION	DISTANCE	YARDAGE		
		UNC.	EXCAVATION	FILL
186				
185	56	539	0	593
184	1343	0	0	0
183	1924	0	0	0
182	2056	0	341	0
181				
SHEET TOTAL		5918	341	680



STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
190+00	60.7		
189+40	60.7		
189+00	60.7		
188+80	55.3		
188+00	55.7		
187+00	55.7		
186			
187			
188			
+80			
189			
+40			
190			
<b>SHEET TOTAL</b>	<b>0</b>	<b>1374</b>	<b>11056</b>

72" X 86' R.C.C.P. REQD.  
188+80 55.3

INLET 53.7

DIS. 52.0

190+00 60.7

189+40 60.7

189+00 60.7

188+80 55.3

188+00 55.7

187+00 55.7

67.60

66.50

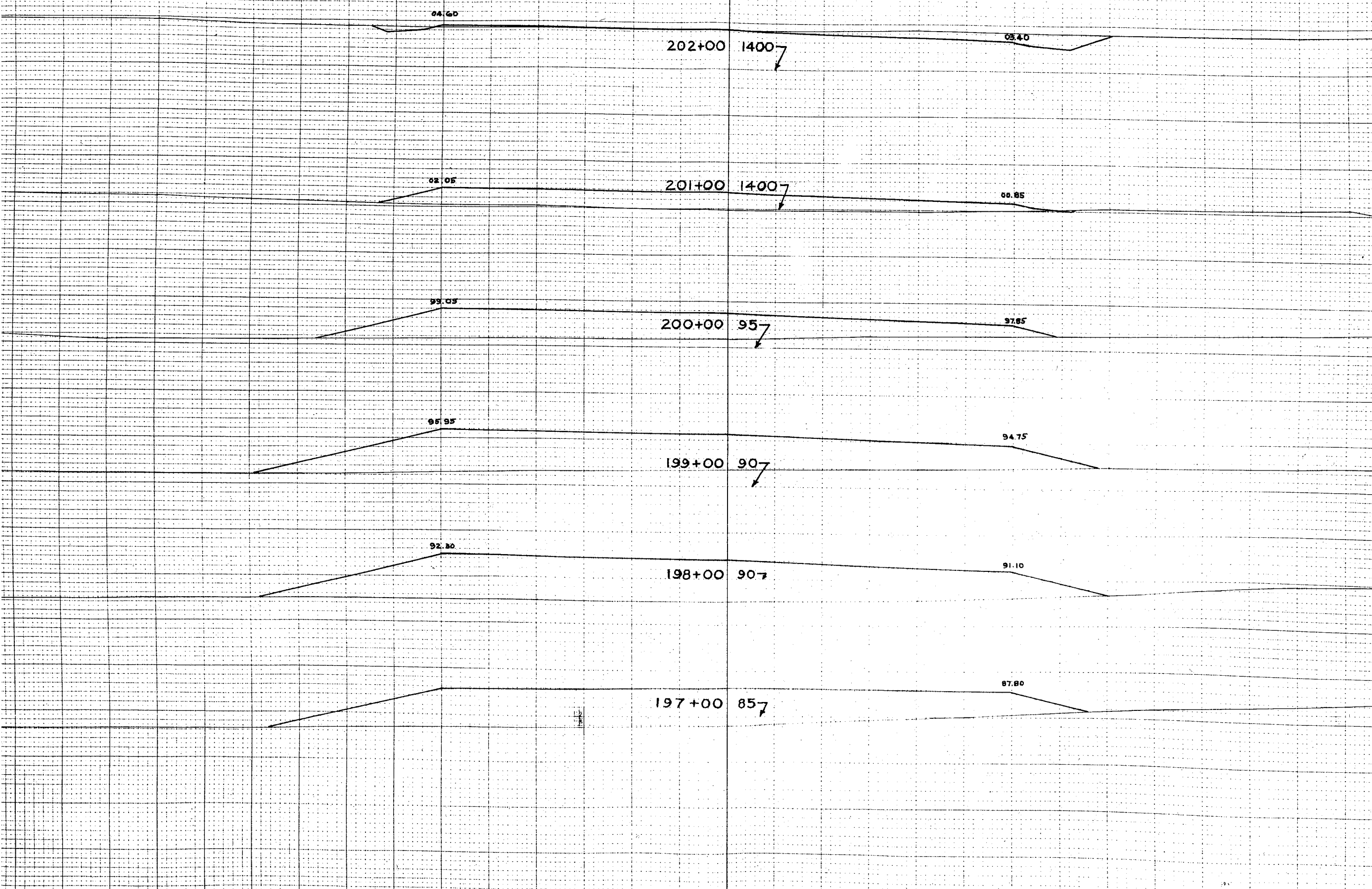
65.90

65.55

64.40

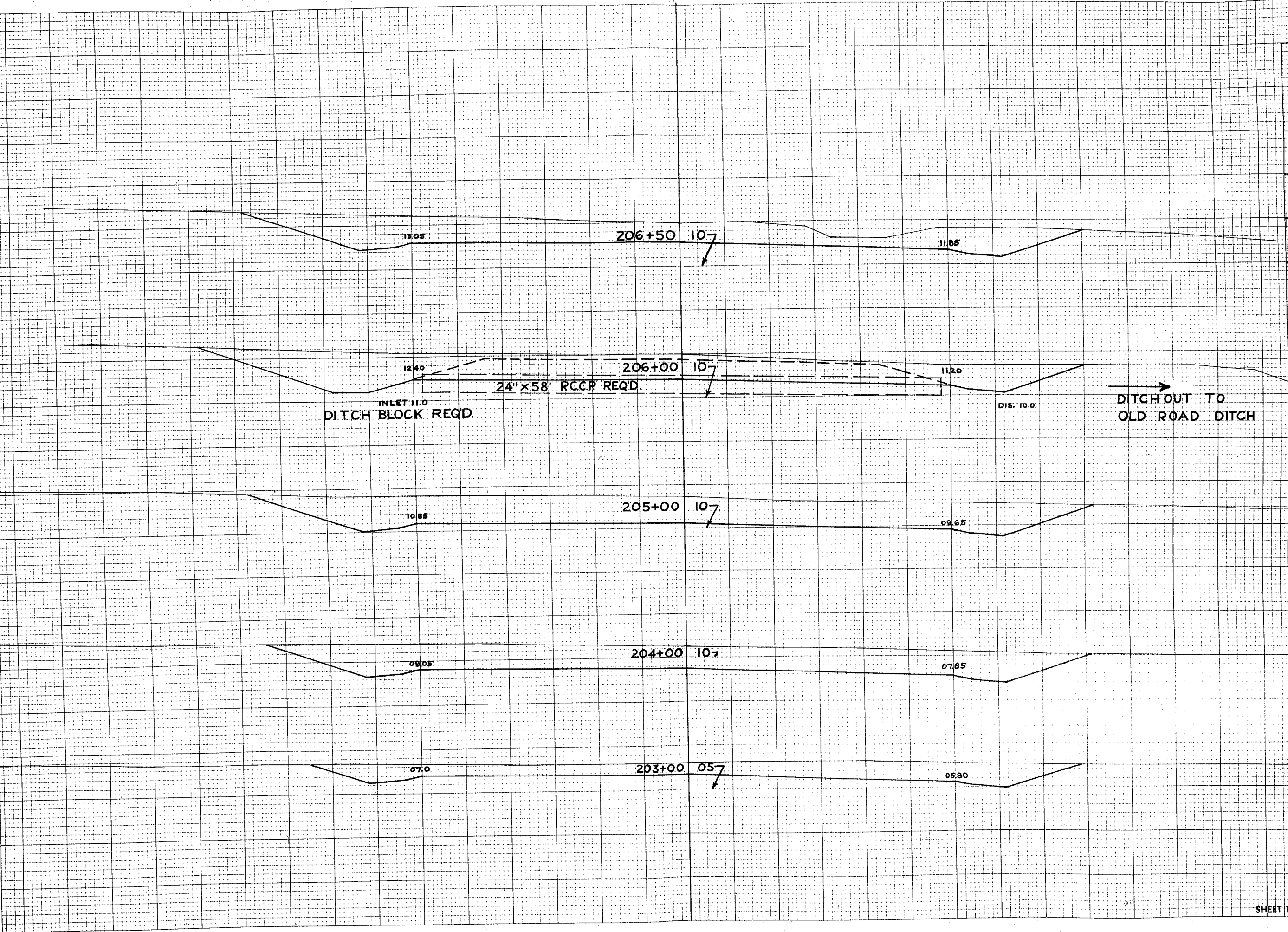
63.05





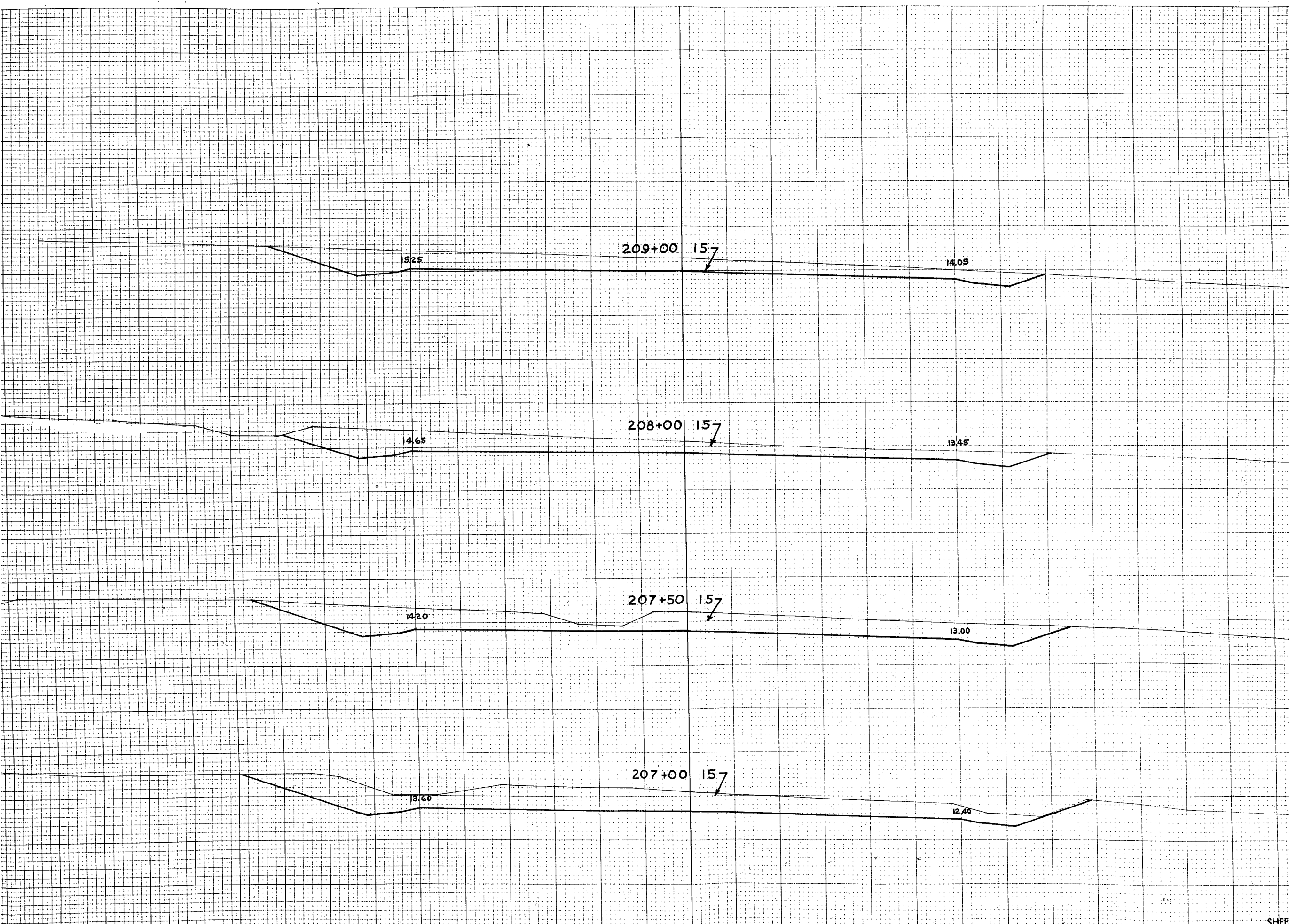
STATION	DISTANCE	YARDAGE		
		UNC.	EXCAVATION	FILL
202				
201	50			204
200	0			526
199	0			844
198	0			1106
197	0			1109
196	0			933
<b>SHEET TOTAL</b>	<b>50</b>			<b>4722</b>

REF: DIVISION ATLAS  
 NO. 4953  
 AREAS CHECKED  
 E. C. B. 2-13

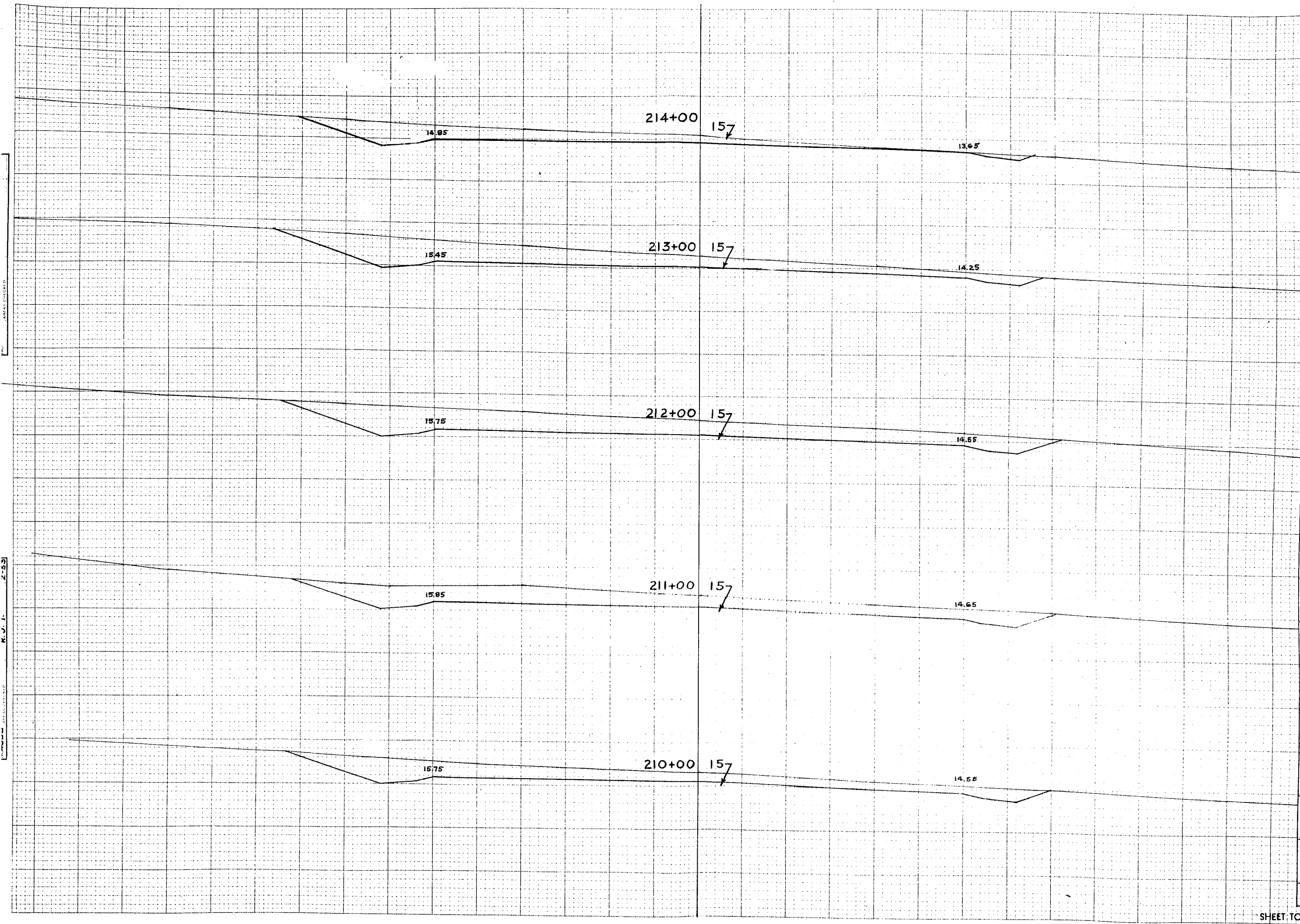


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
+50	0	0	0
206	970	0	0
205	946	0	0
204	700	0	0
203	311	0	0
202	UNC	0	0

SHEET TOTAL 2527

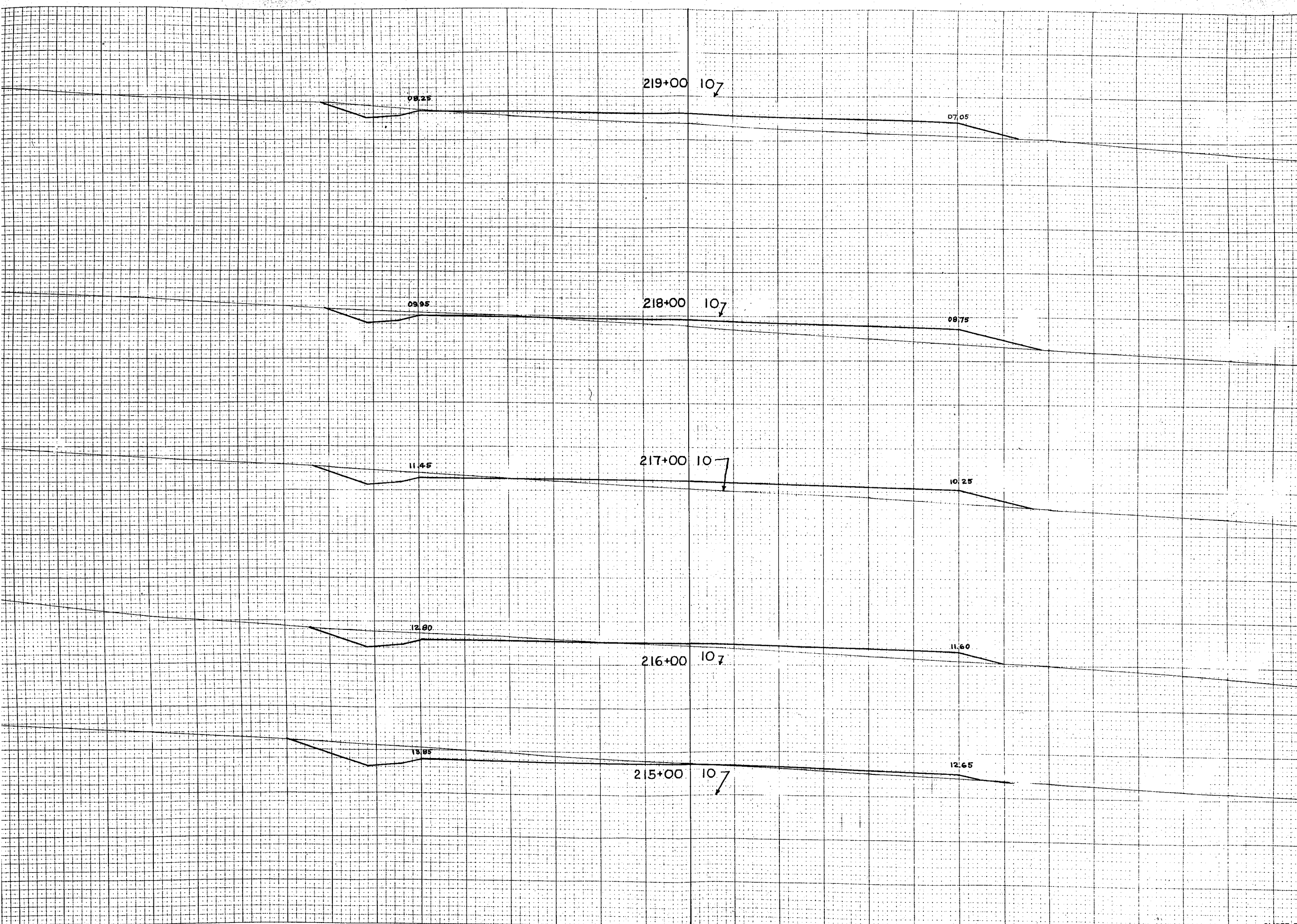


STATION	DISTANCE	YARDAGE		
		EXCAVATION		FILL
		UNC.		
206+50	0		0	
207	0		0	
+50	0		0	
208	0		0	
209	465		0	
<b>SHEET TOTAL</b>	<b>465</b>		<b>0</b>	



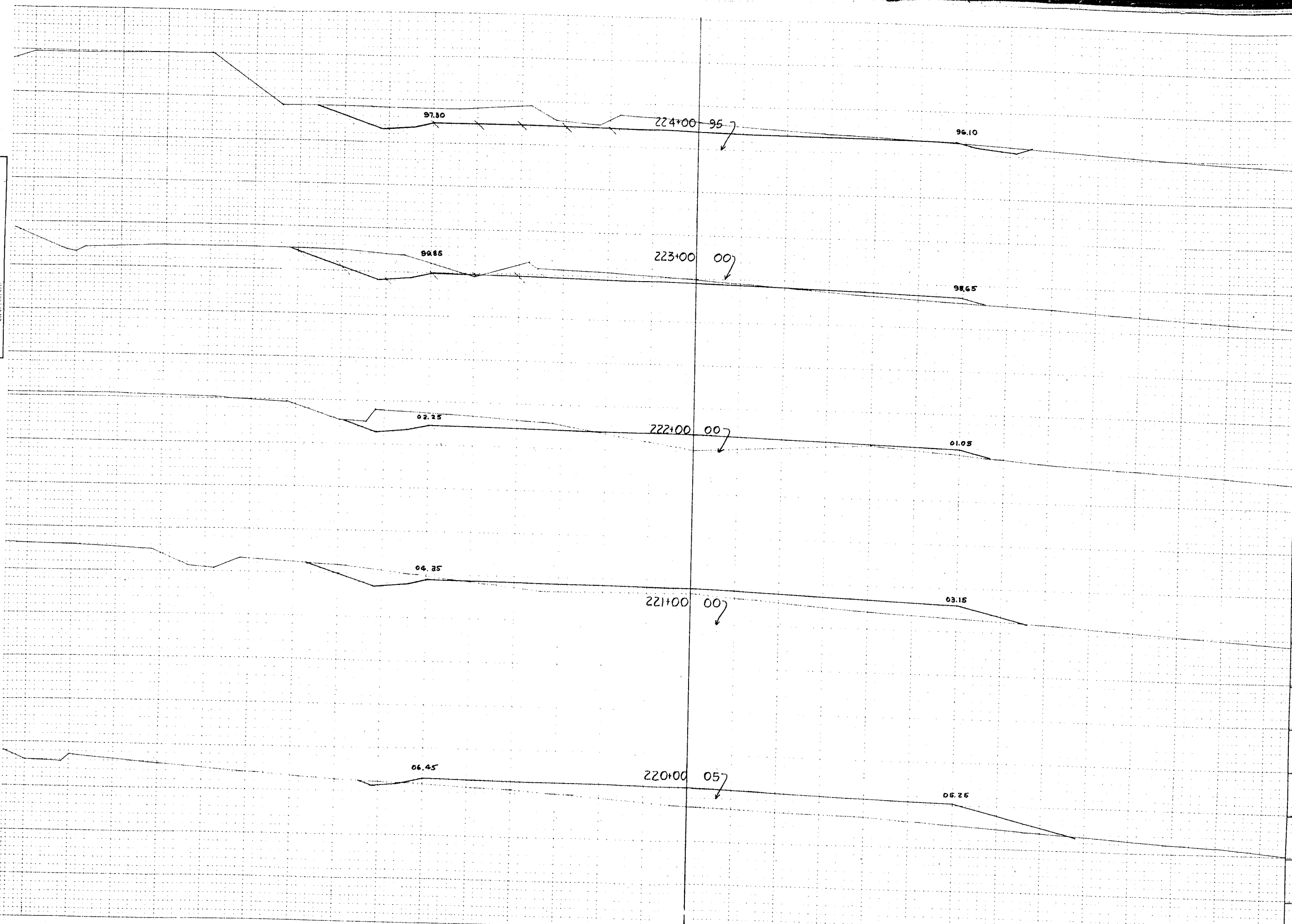
STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
209			
210	439		0
211	456		0
212	556		0
213	552		0
214	SR191 385		88
<b>SHEET TOTAL</b>		<b>2579</b>	<b>88</b>

K. J. P. 4-53



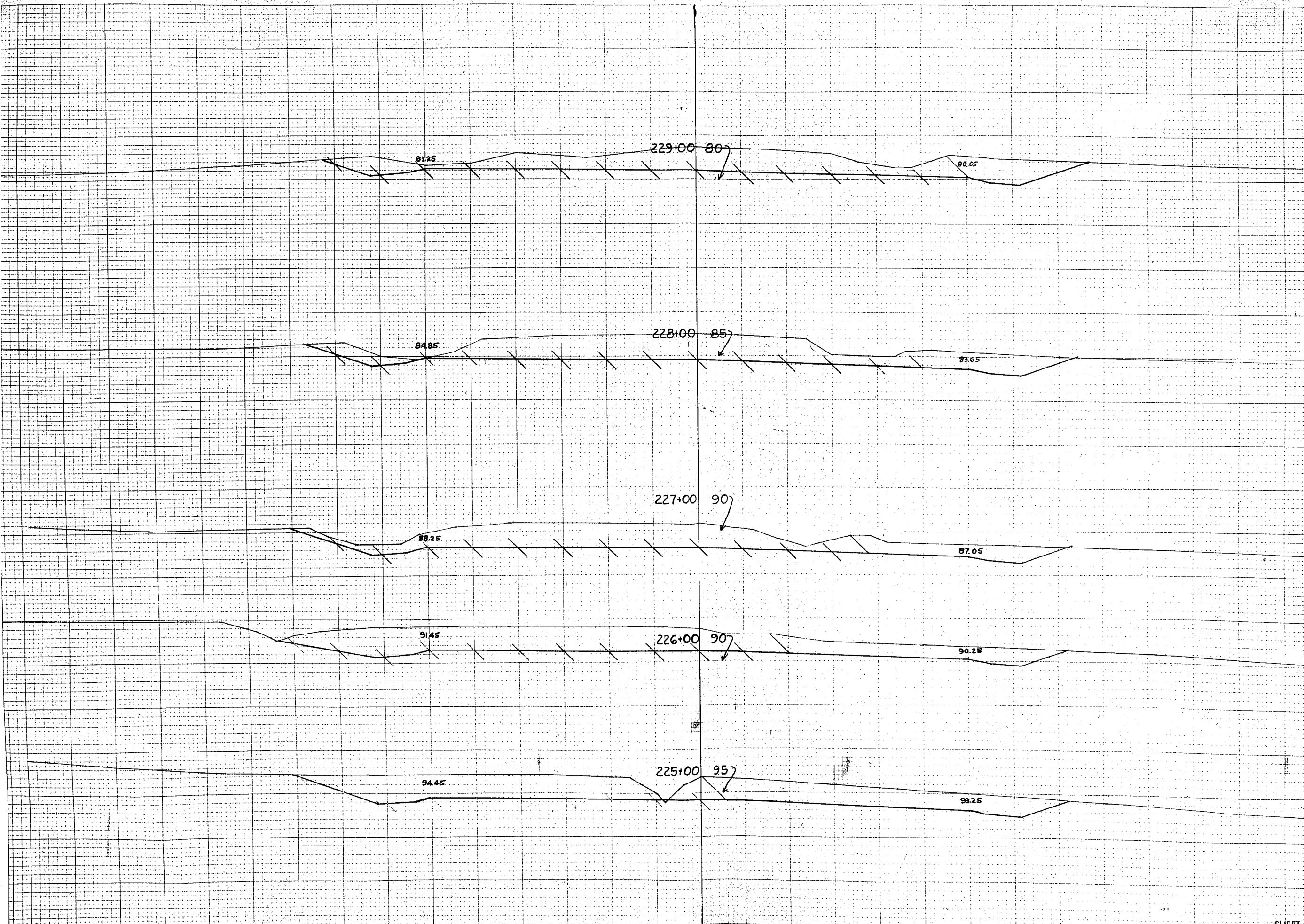
STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
219	41		PE150
218	52		202
217	74		156
216	130		69
215	224		13
SHEET TOTAL		521	321





STATION	DISTANCE	YARDAGE		
		UNC.	EXCAVATION	FILL
224	223	87	100	94
223	222	94	187	369
222	221	33		
221	220	20		
220	219			347
<b>SHEET TOTAL</b>		<b>334</b>		<b>16</b>

4533  
 E.C.B.  
 1-53



STATION	DISTANCE	YARDAGE		FILL
		EXCAVATION	UNC.	
224				
225	228			0
226	274			0
227	167			0
228	144			0
229	152			0
SHEET TOTAL		965		

