

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR
10	OHIO	92	1920

I.G.H. No. 204 SEG. A.
CRAWFORD COUNTY

STATE HIGHWAY DEPARTMENT OF OHIO
BUREAU OF CONSTRUCTION

SEC. A. SHELBY-GALION ROAD
I.G.H. No. 204 SEC. A PET. No. 3857
CRAWFORD COUNTY

INDEX OF SHEETS

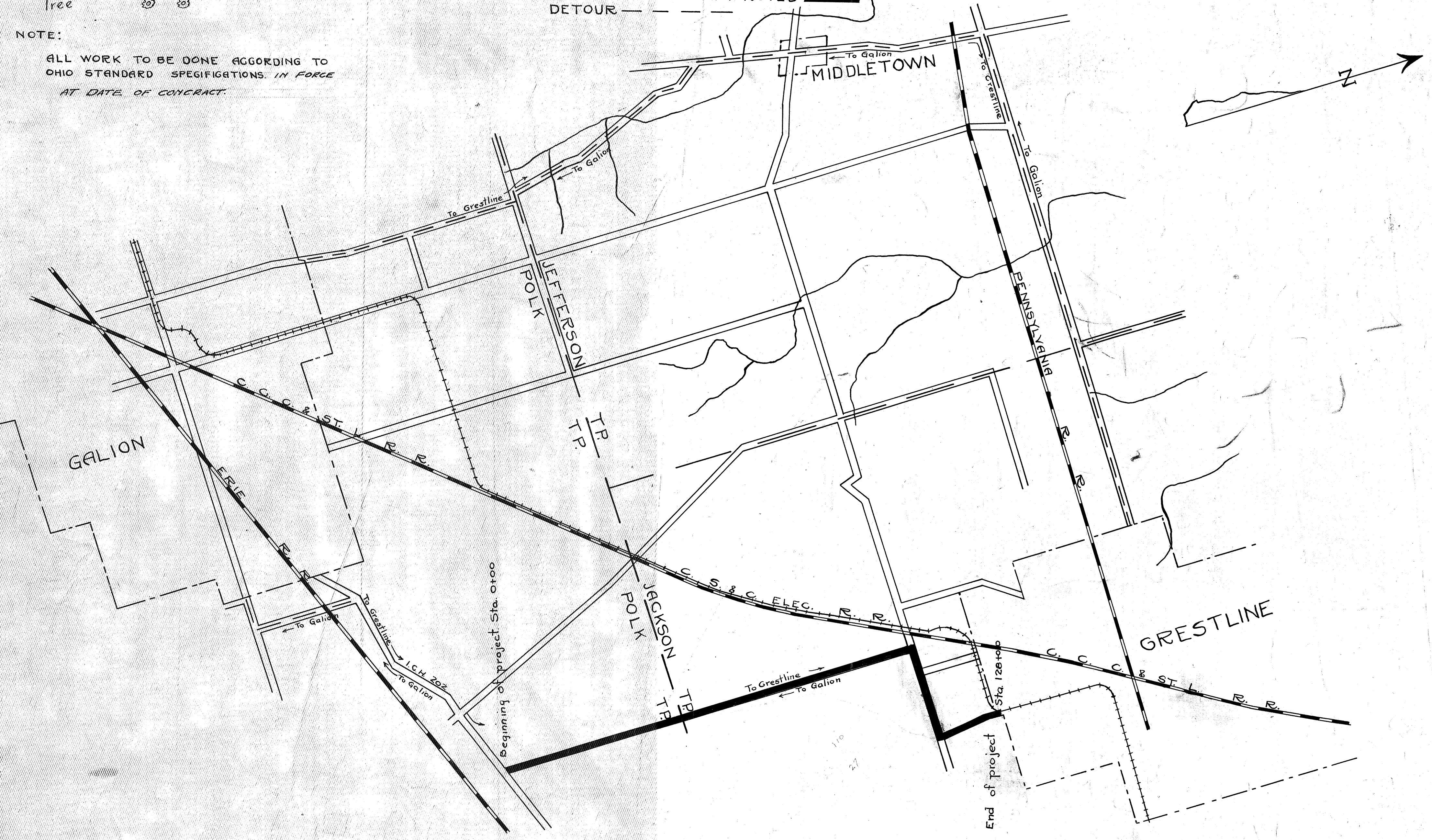
Sheet No.	Title Page
" 2	Typical cross-section.
" 3 to 6	Plan and Profile Sta. 0 to Sta. 128
" 7 to 10	Gross Sections "Plans"
" 11 to 13	Bridge and Culverts plans
" 14	Summary of Quantities

File #430

- Township Line - - - - -
- City or Village Line - - - - -
- Steam Railroad - - - - -
- Electric Line + + + + +
- Wire fence x - x - x - x -
- Hedge fence @ - @ - @ - @ -
- Tree (C) (C)

LOCATION PLAN. POLK & JACKSON TOWNSHIPS.

SCALE: 4" = 1 Mile
PORTION TO BE IMPROVED **————**
DETOUR - - - - -



NOTE:
ALL WORK TO BE DONE ACCORDING TO OHIO STANDARD SPECIFICATIONS IN FORCE AT DATE OF CONTRACT.

We, the Commissioners of Crawford County hereby approve these plans and certify that the right-of-way is available for the construction of the above highway

Signed: H. J. Smith
J. C. Pladen
G. H. Clark
Date 4/12/1920 County Commissioners.

I hereby approve these plans and declare, that the making of this improvement will require the closing of the highway to traffic and that detours will be provided as shown on plans.

Approved: A. Duckwich
Date 4/12 1920. County Surveyor

Approved: Edwin N. Hiltz
Date 5/3 - 20. Division Engineer

Approved: J. D. Brulle
Date 3/27/20 Chief Highway Engineer

Approved: G. A. Taylor
Date 4/19/20 State Highway Commissioner

Recommended for Approval _____
Date _____ District Engineer
Bureau of Public Roads.

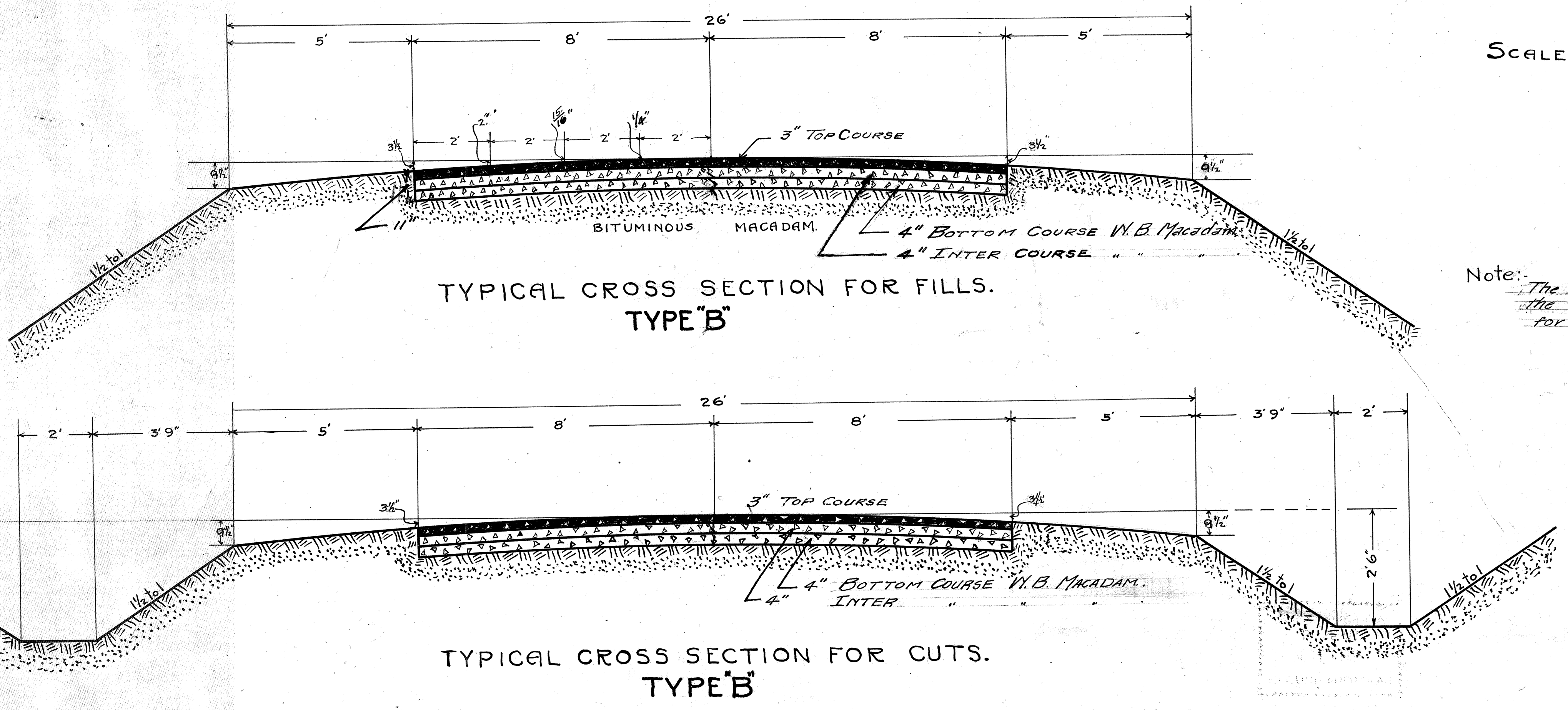
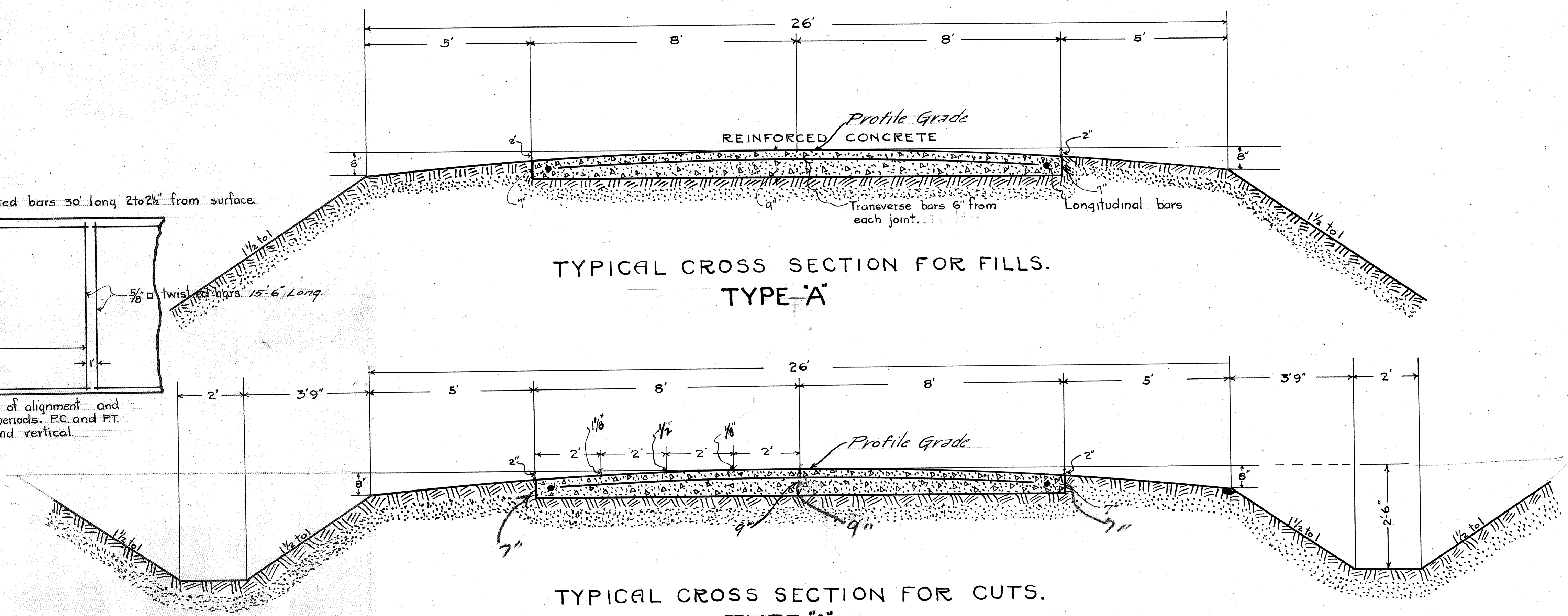
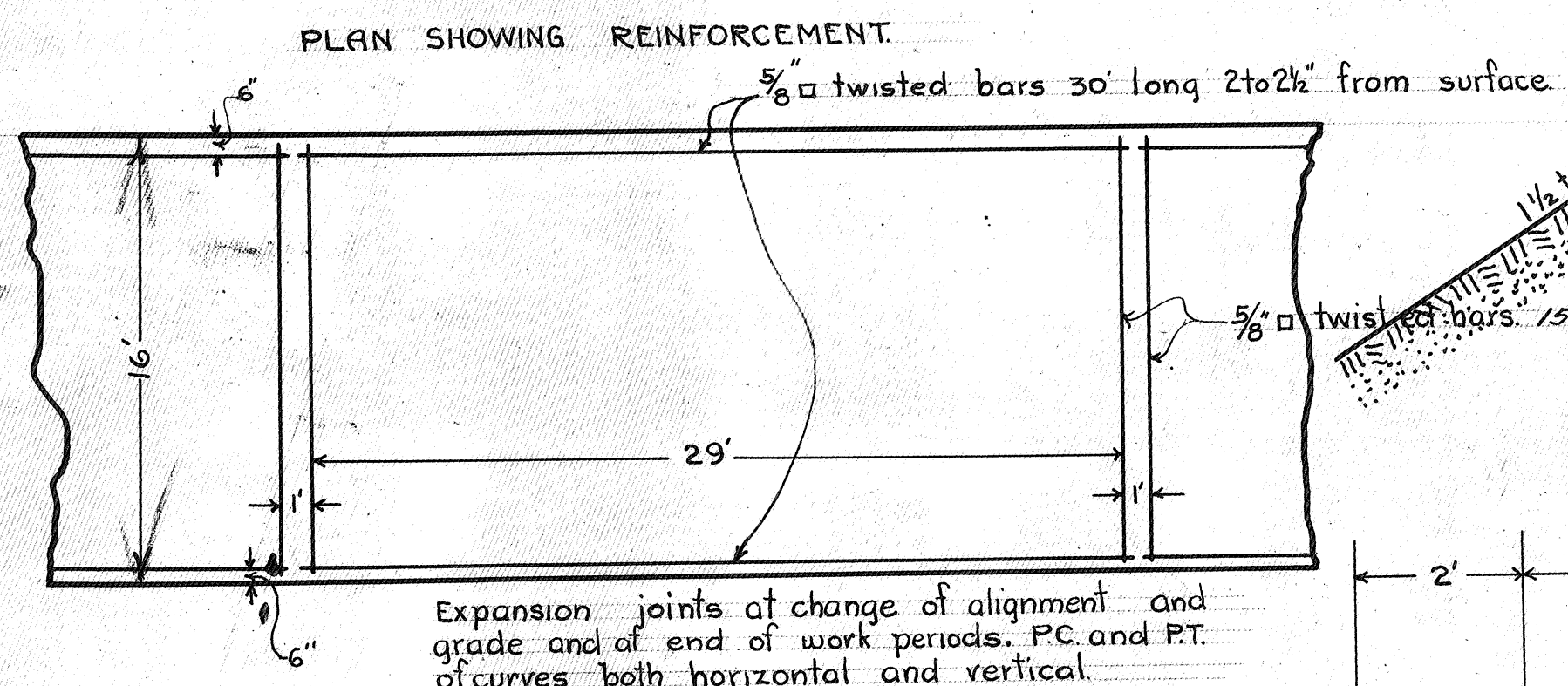
Recommended for Approval _____
Date _____ Chief Engineer
Bureau of Public Roads.

Approved: _____
Date _____ Chief of Bureau



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SCALE 1"=2'

Note: The quantities of Excavation shown on the Approximate Estimate are adjusted for the change in Types

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1. GH No 204 SEC. A
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Sta. 28+20
Present: 12" Common tile
Proposed: Take up present tile and replace with 12" sewer pipe. Construct 2 standard No. 1 Inlets 12" x 48" pipe to be encased.

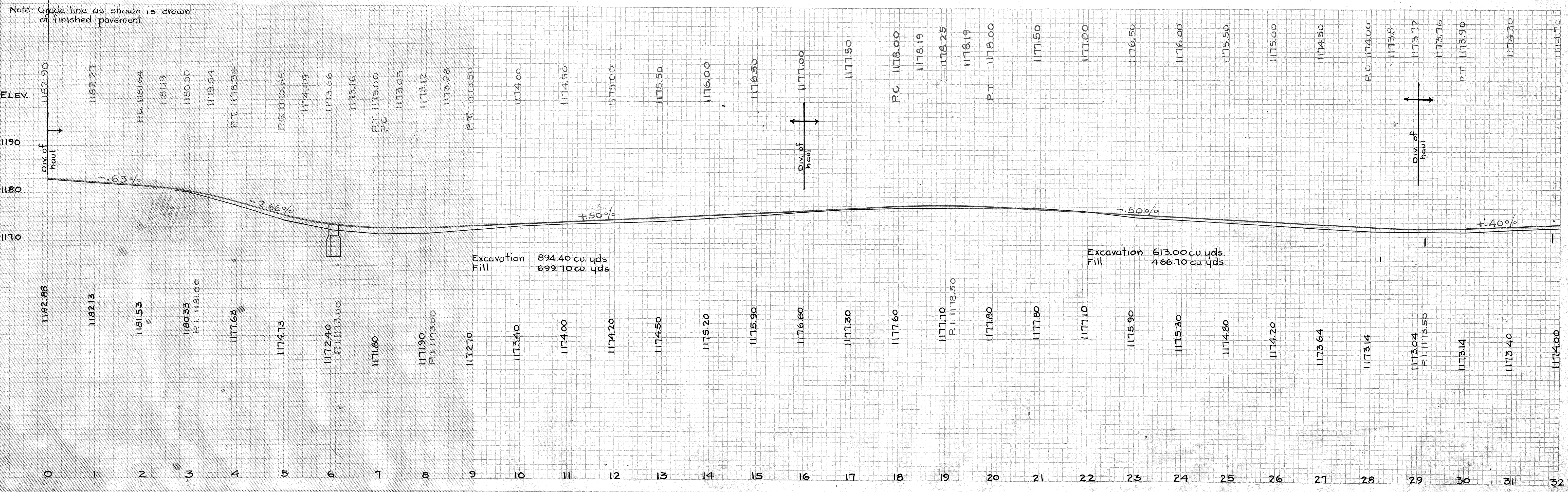
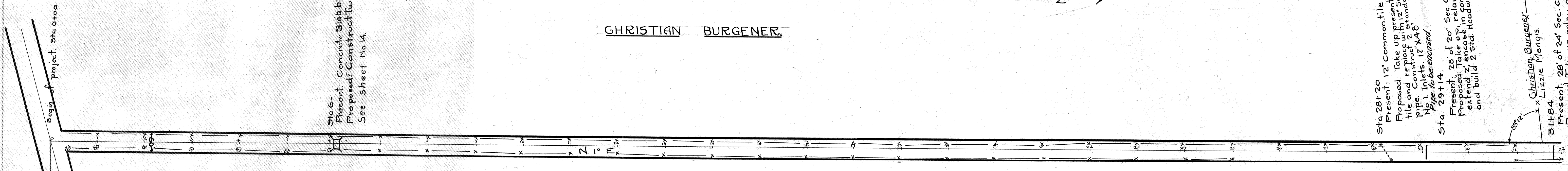
Sta. 29+14
Present: 28" of 20" Sec. C.I.P. Proposed: Take up in concrete extend 2' into Headwalls and build 2' Headwalls

31+61
x Christian, Burgener
Lizzie Mengis

31+84
Present: 28" of 24" Sec. C.I.P. Proposed: Take up relay and extend 2' in concrete, build 2' Headwalls

CHRISTIAN BURGNER.

C. J. OVERLY.



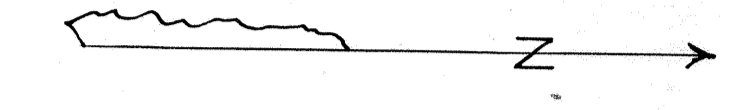
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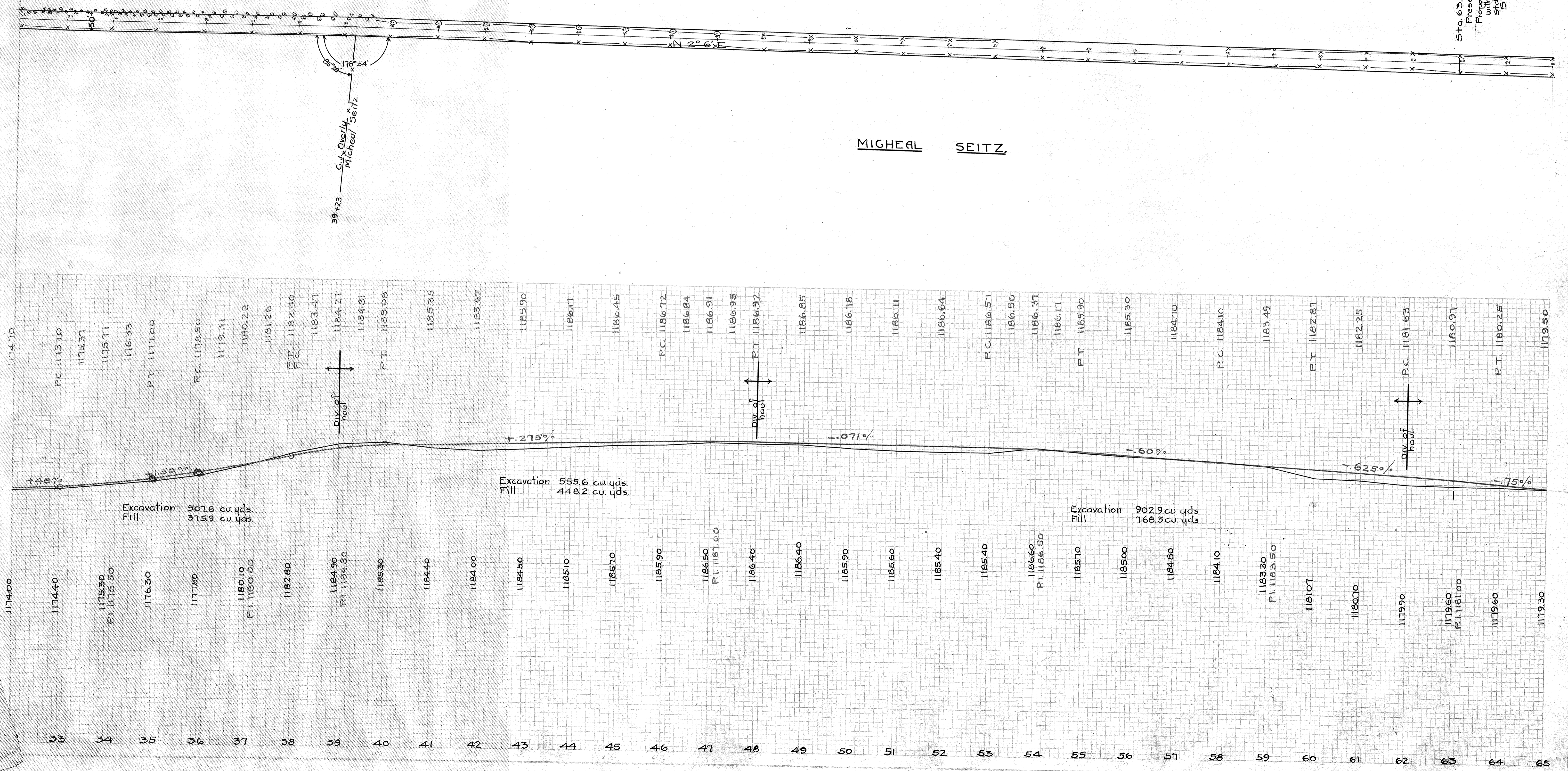
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Sta. 63.
Present: 26 of 18' Common tile
Proposed: Take up and replace
with 12" sewer pipe. Construct
Std. encased V.P. culvert
Size: 72" X 36"

LIZZIE MENGIS.



MICHEAL SEITZ.



39+23
Culvert
Michael Seitz

Excavation 555.6 cu. yds.
Fill 448.2 cu. yds.

Excavation 5016 cu. yds.
Fill 3759 cu. yds.

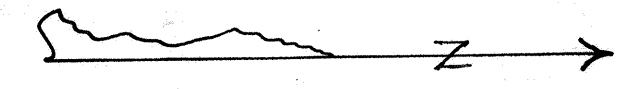
Excavation 902.9 cu. yds.
Fill 768.5 cu. yds.

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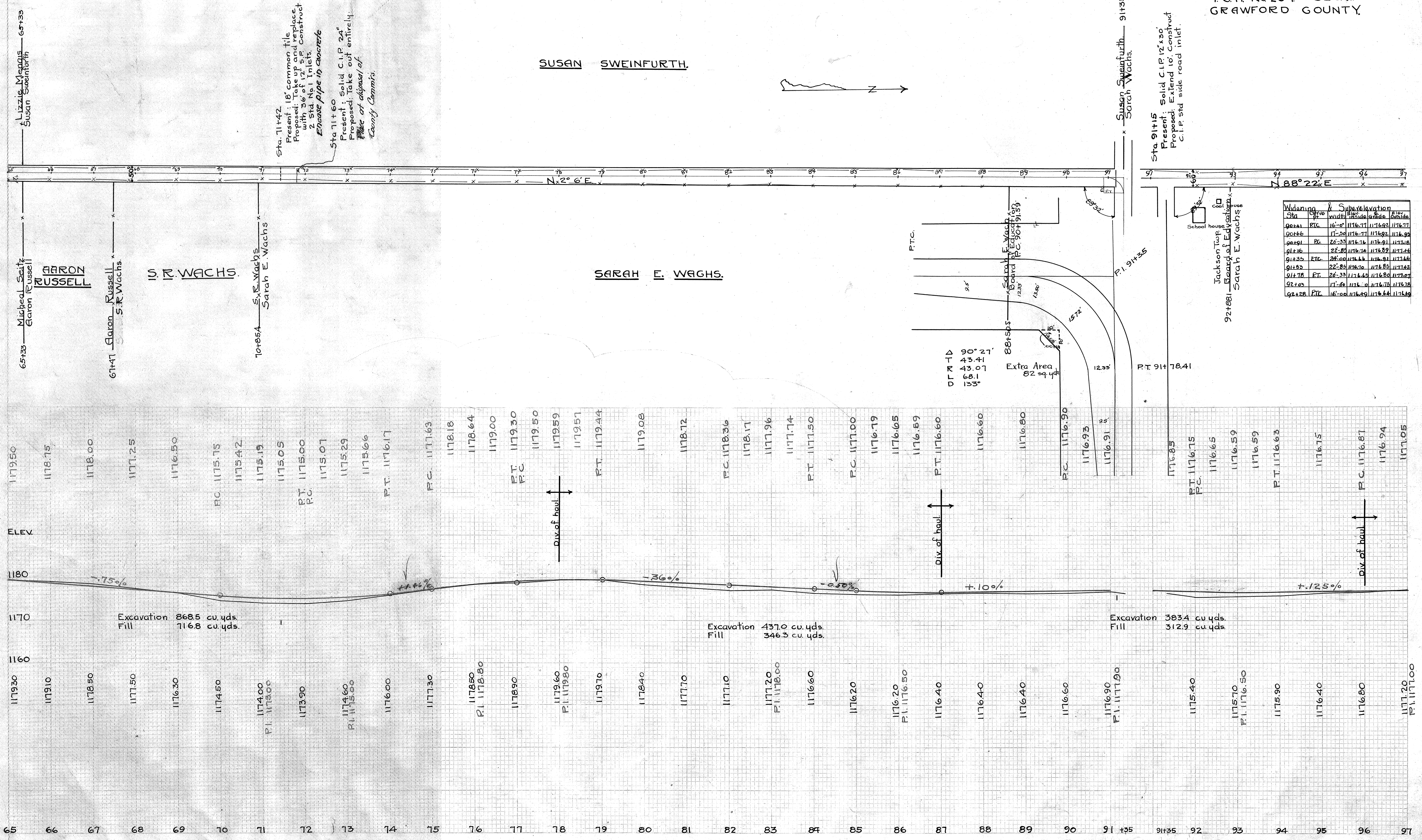
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SUSAN SWEINFURTH.



SARAH E. WAGHS.



Station	Widening	Super-elevation
90+00	16'-0"	1176.77
90+10	17'-0"	1176.92
90+20	17'-0"	1176.99
90+30	17'-0"	1177.08
90+40	17'-0"	1177.18
90+50	17'-0"	1177.28
90+60	17'-0"	1177.38
90+70	17'-0"	1177.48
90+80	17'-0"	1177.58
90+90	17'-0"	1177.68
91+00	17'-0"	1177.78
91+10	17'-0"	1177.88
91+20	17'-0"	1177.98
91+30	17'-0"	1178.08
91+40	17'-0"	1178.18
91+50	17'-0"	1178.28
91+60	17'-0"	1178.38
91+70	17'-0"	1178.48
91+80	17'-0"	1178.58
91+90	17'-0"	1178.68
92+00	17'-0"	1178.78
92+10	17'-0"	1178.88
92+20	17'-0"	1178.98
92+30	17'-0"	1179.08
92+40	17'-0"	1179.18
92+50	17'-0"	1179.28
92+60	17'-0"	1179.38
92+70	17'-0"	1179.48
92+80	17'-0"	1179.58
92+90	17'-0"	1179.68
93+00	17'-0"	1179.78
93+10	17'-0"	1179.88
93+20	17'-0"	1179.98
93+30	17'-0"	1180.08
93+40	17'-0"	1180.18
93+50	17'-0"	1180.28
93+60	17'-0"	1180.38
93+70	17'-0"	1180.48
93+80	17'-0"	1180.58
93+90	17'-0"	1180.68
94+00	17'-0"	1180.78
94+10	17'-0"	1180.88
94+20	17'-0"	1180.98
94+30	17'-0"	1181.08
94+40	17'-0"	1181.18
94+50	17'-0"	1181.28
94+60	17'-0"	1181.38
94+70	17'-0"	1181.48
94+80	17'-0"	1181.58
94+90	17'-0"	1181.68
95+00	17'-0"	1181.78
95+10	17'-0"	1181.88
95+20	17'-0"	1181.98
95+30	17'-0"	1182.08
95+40	17'-0"	1182.18
95+50	17'-0"	1182.28
95+60	17'-0"	1182.38
95+70	17'-0"	1182.48
95+80	17'-0"	1182.58
95+90	17'-0"	1182.68
96+00	17'-0"	1182.78
96+10	17'-0"	1182.88
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97+30	17'-0"	1184.08
97+40	17'-0"	1184.18
97+50	17'-0"	1184.28
97+60	17'-0"	1184.38
97+70	17'-0"	1184.48
97+80	17'-0"	1184.58
97+90	17'-0"	1184.68

Sta. 71+42
Present: 18" common tile
Proposed: Take up and replace
with 36" of 12" pipe. Construct
2 std. No. 1 inlets.
Encase pipe in concrete

Sta. 71+60
Present: Solid C.I.P. 24"
Proposed: Take out entirely.
Make at disposal of
County Commis.

Sta. 91+15
Present: Solid C.I.P. 12"x30"
Proposed: Extend 10'. Construct
C.I.P. std. side road inlet.

AARON RUSSELL
S. R. WACHS.

Extra Area
82 sq. yds.

Excavation 8685 cu. yds.
Fill 7168 cu. yds.

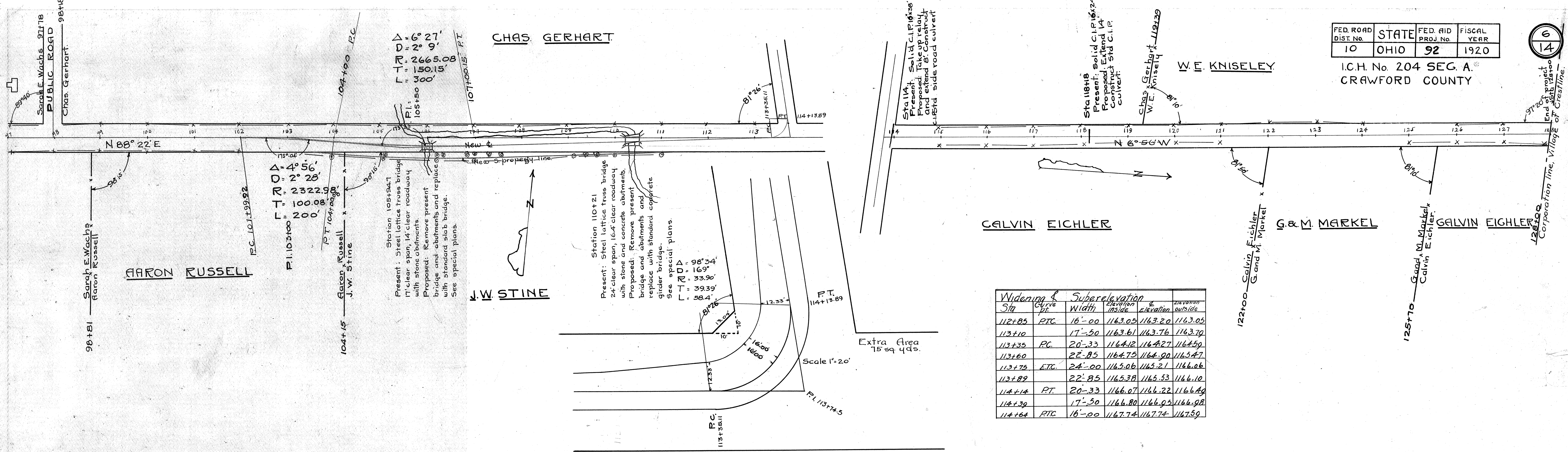
Excavation 4370 cu. yds.
Fill 3463 cu. yds.

Excavation 3834 cu. yds.
Fill 3129 cu. yds.

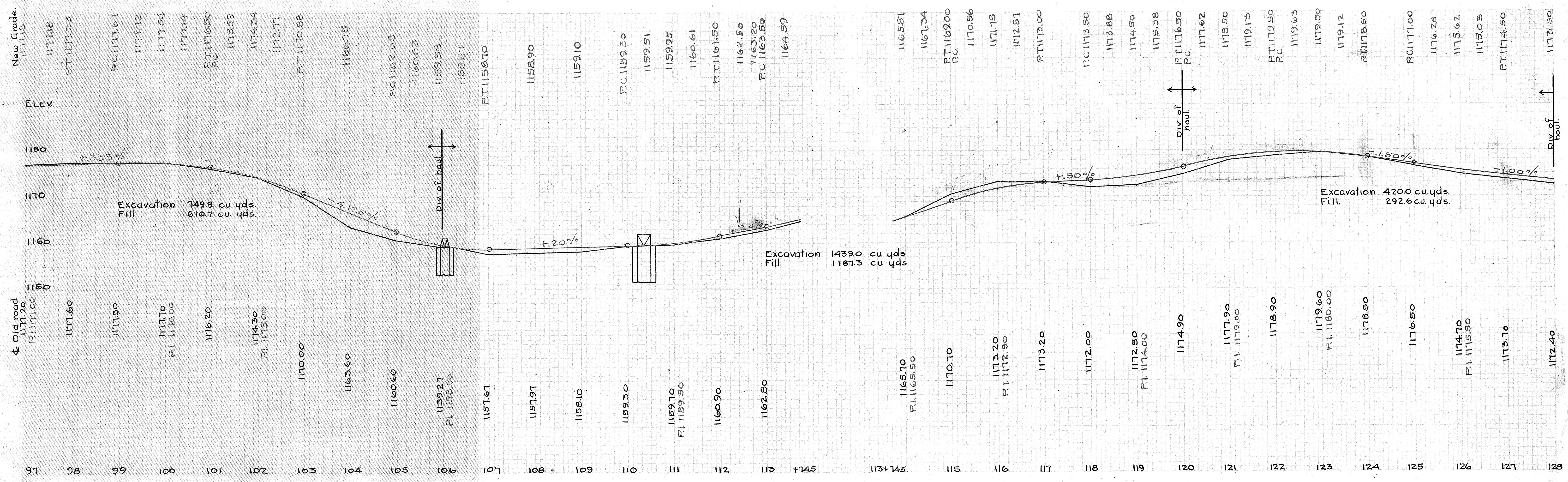
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Sta	Curve	Subelevation	Elevation inside	Elevation outside	inversion
112+85	RTC	16'-00	1163.03	1163.20	1163.05
113+10		17'-50	1163.61	1163.76	1163.70
113+35	PC	20'-33	1164.12	1164.27	1164.59
113+60		22'-85	1164.73	1164.90	1165.47
113+75	ETC	24'-00	1165.06	1165.21	1166.06
113+89		22'-85	1165.38	1165.53	1166.10
114+14	PT	20'-33	1166.07	1166.22	1166.49
114+39		17'-50	1166.80	1166.95	1166.98
114+64	RTC	16'-00	1167.74	1167.74	1167.89



CHAS. GERHART

AARON RUSSELL

W. STINE

CALVIN EICHLER

G. & M. MARKEL

GALVIN EICHLER

New Grade.

ELEV

1180

1170

1160

1150

1140

1130

1120

1110

1100

11718

PT 11733

PC 117161

11712

11714

PT 117650

11759

117434

117271

PT 117088

11675

PC 116263

116083

115958

11581

PT 115010

115890

115910

PC 115930

115951

115995

116061

PT 116150

116250

116320

PC 116350

116459

116581

PT 116900

116734

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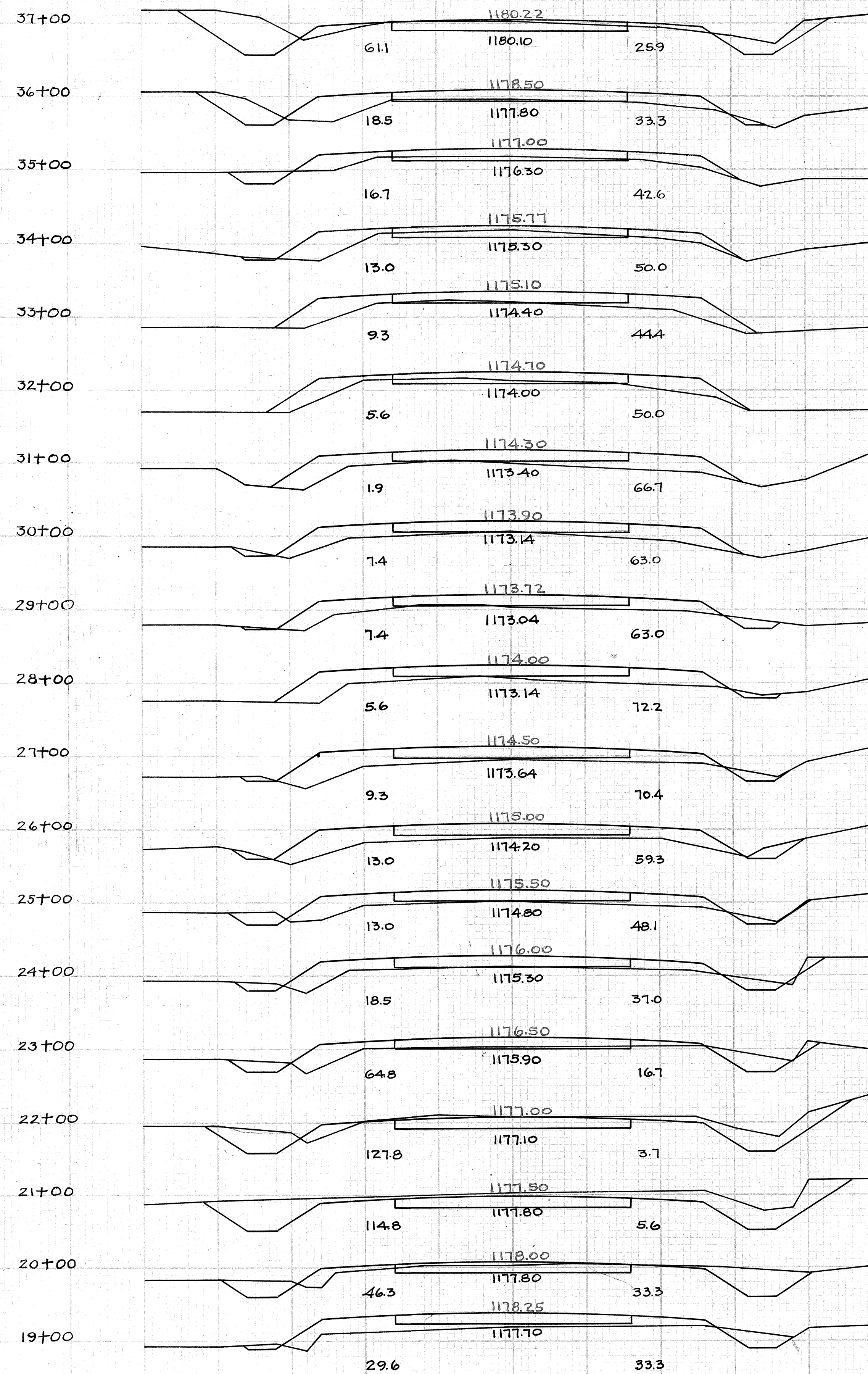
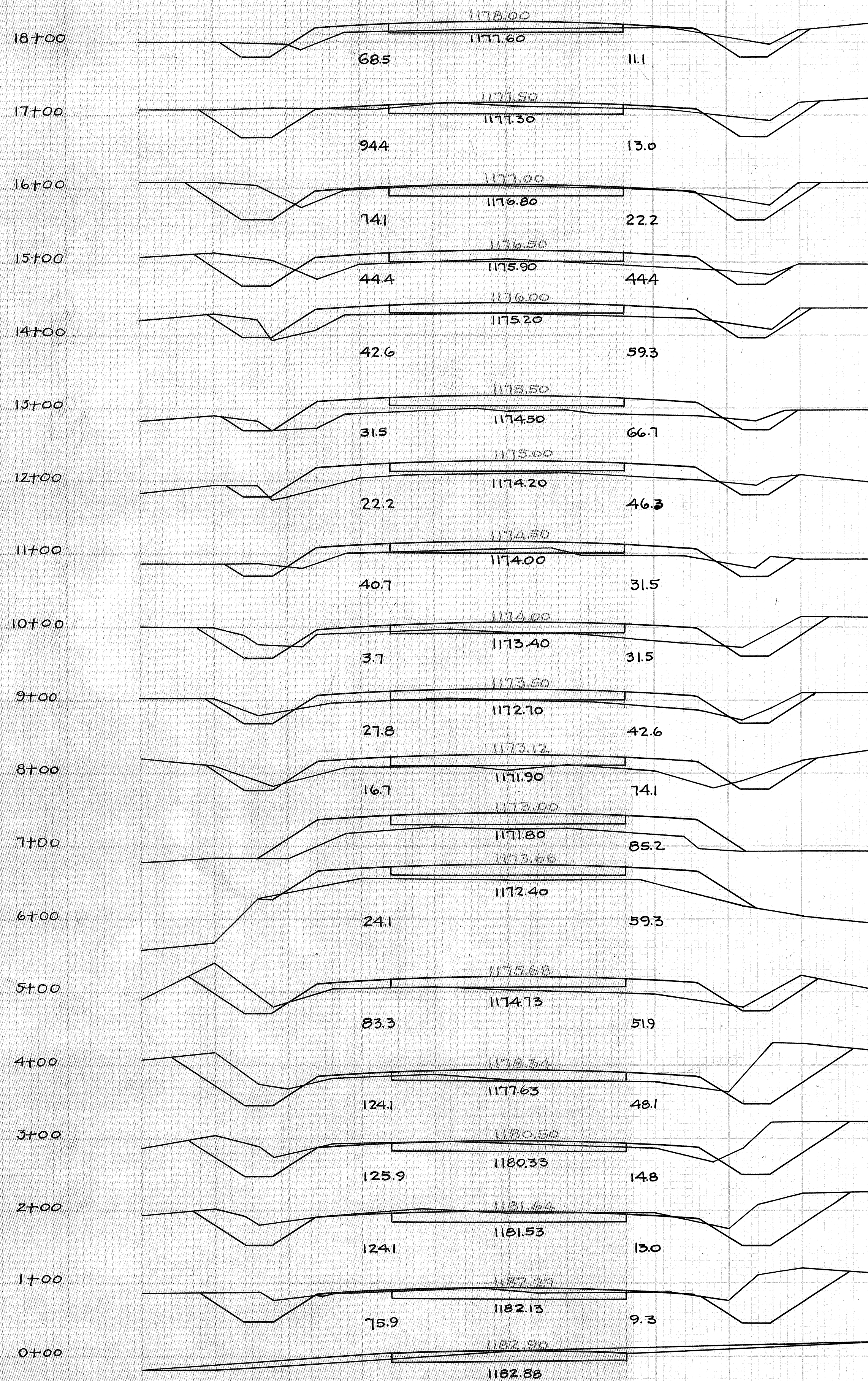
118850

Note: New grade shown above cross sections.
Old " " below

Note: Cuts and fills in cu.yds are shown at left and right respectively.

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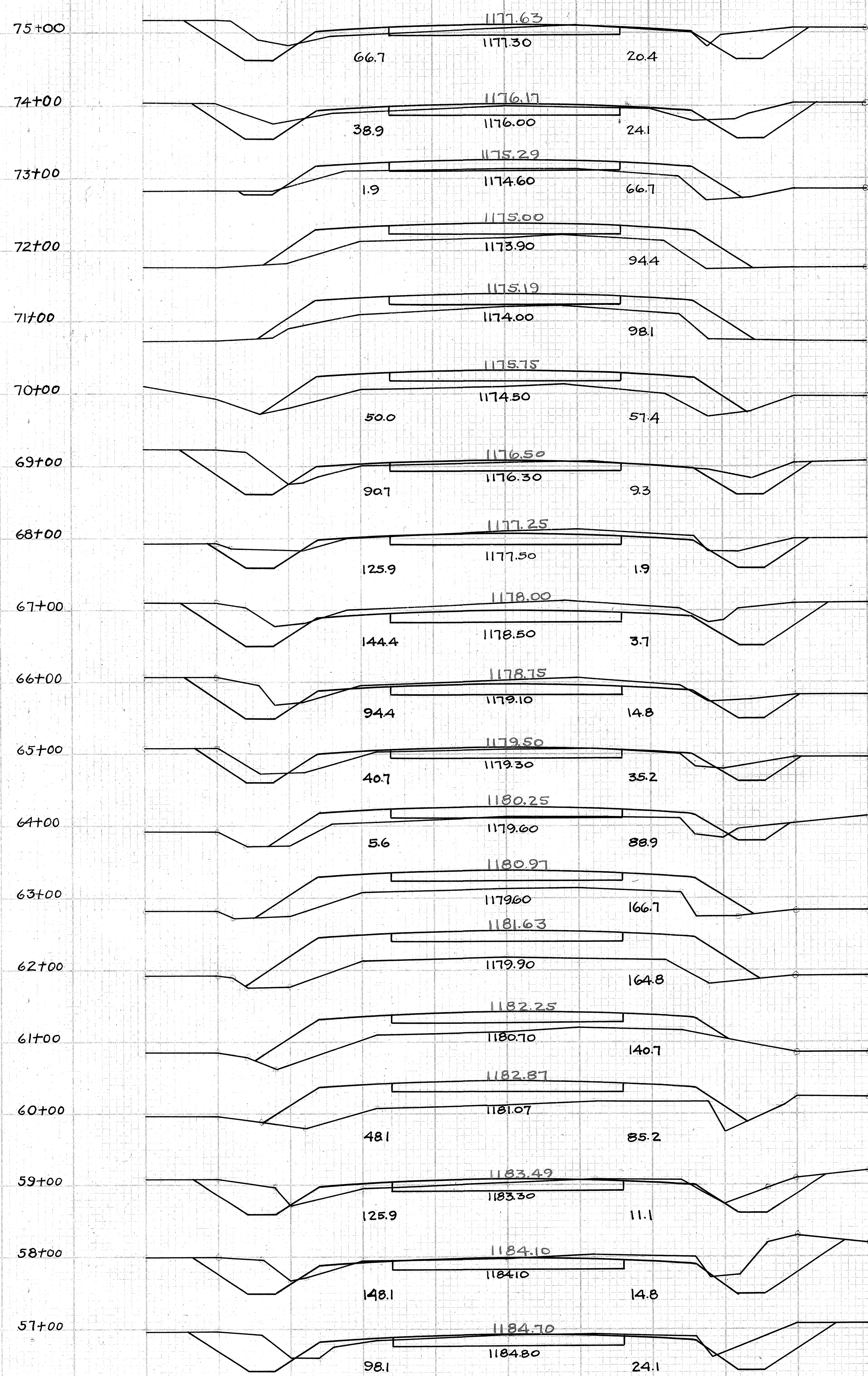
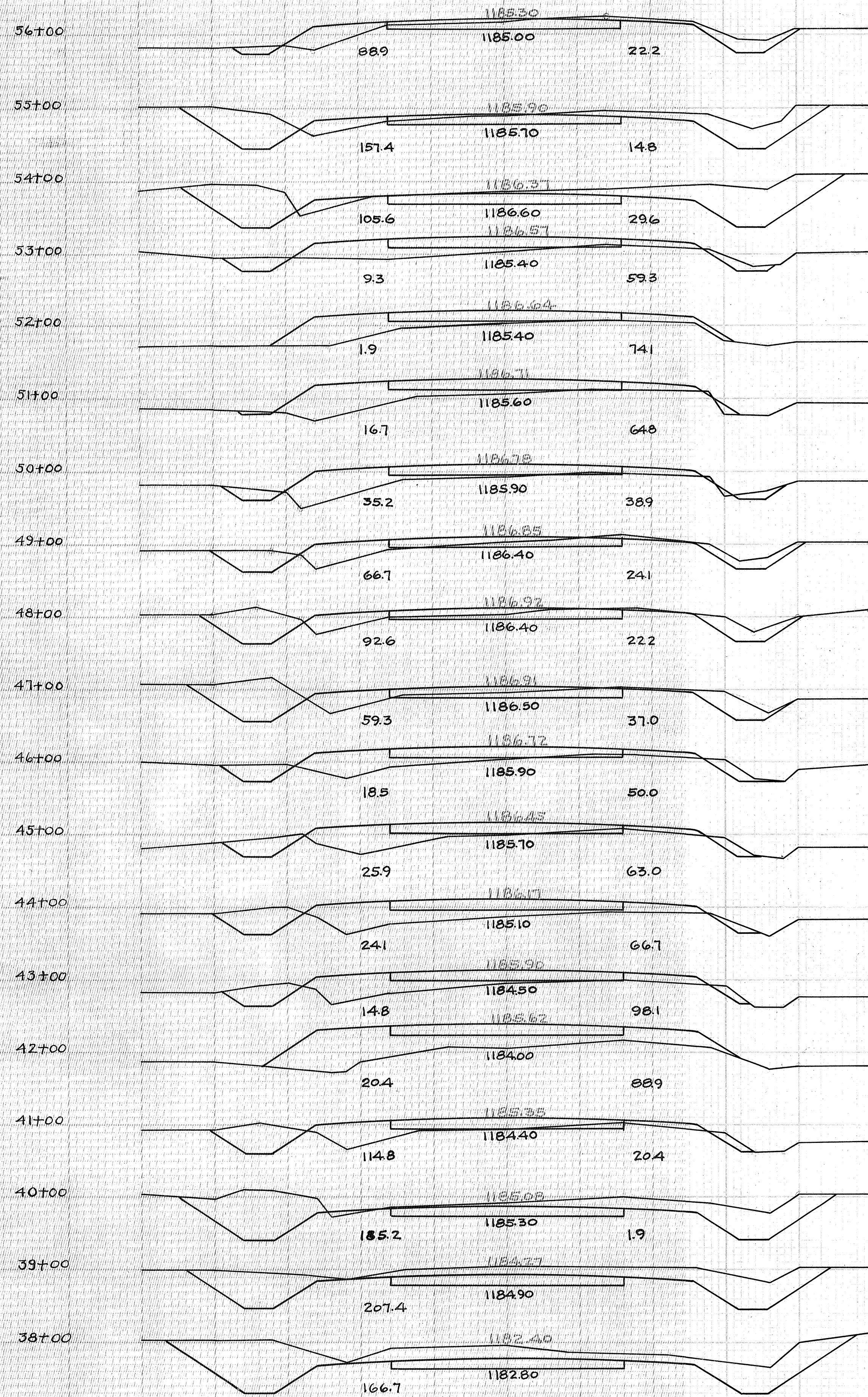
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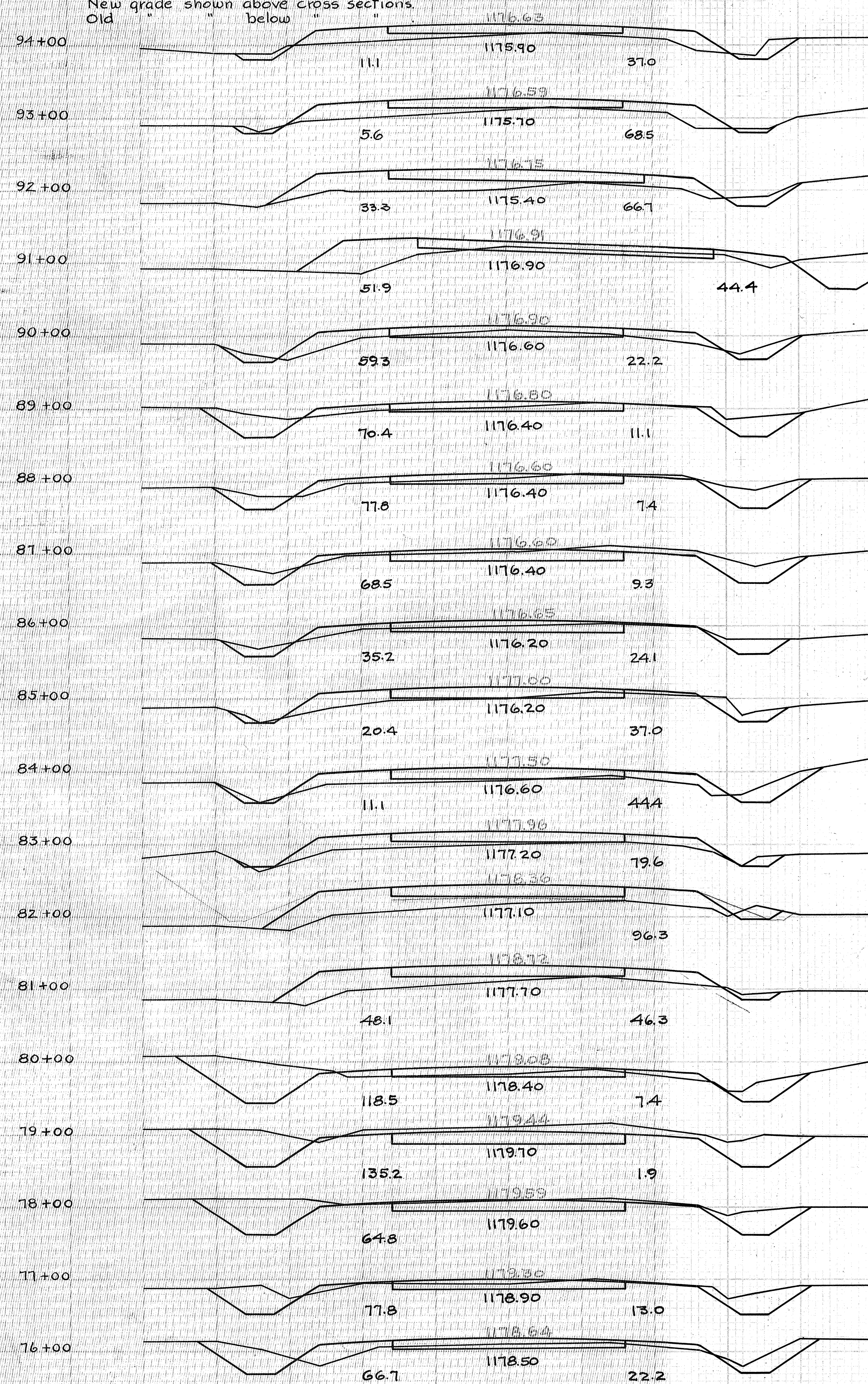
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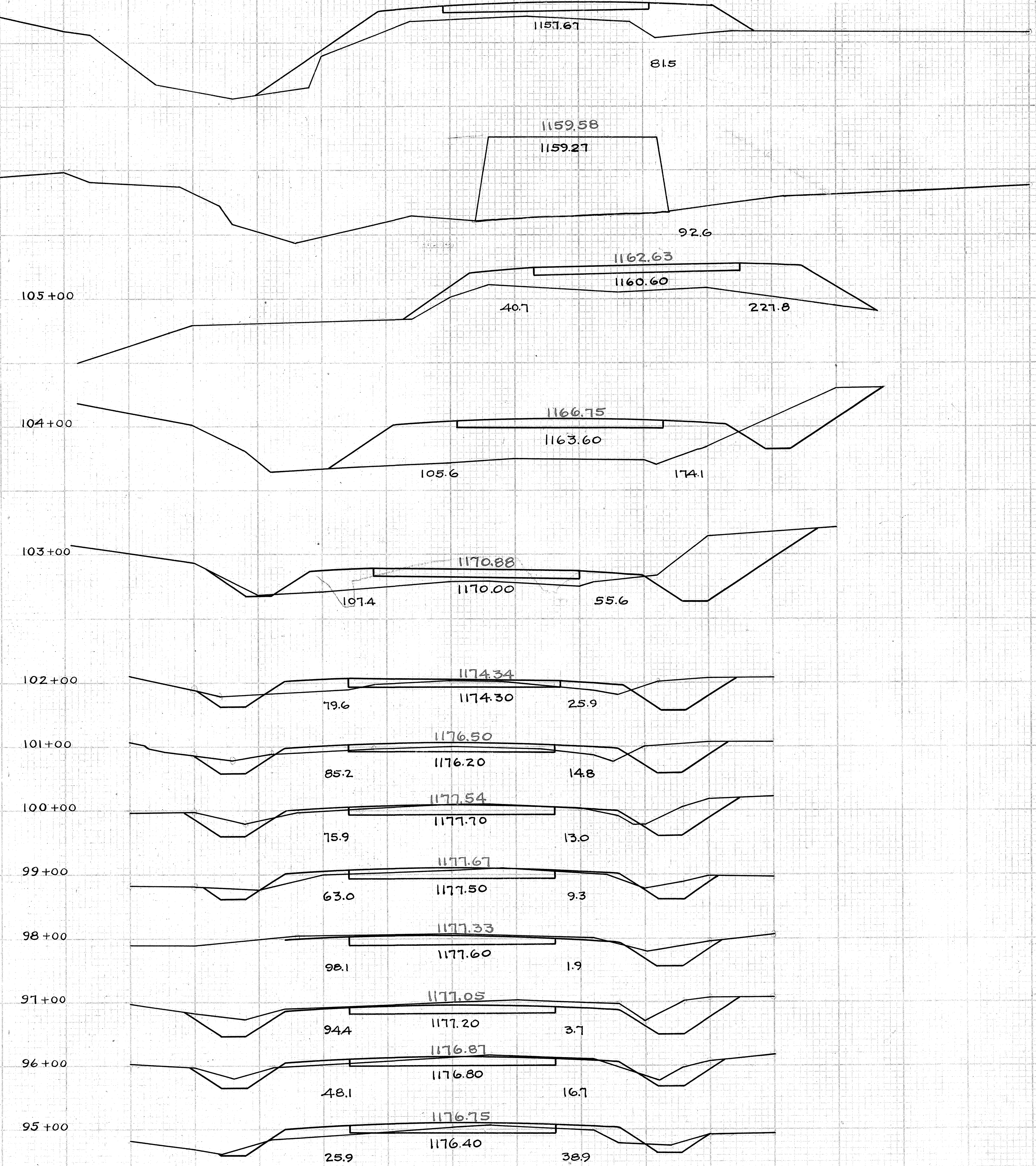
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107+00

106+00



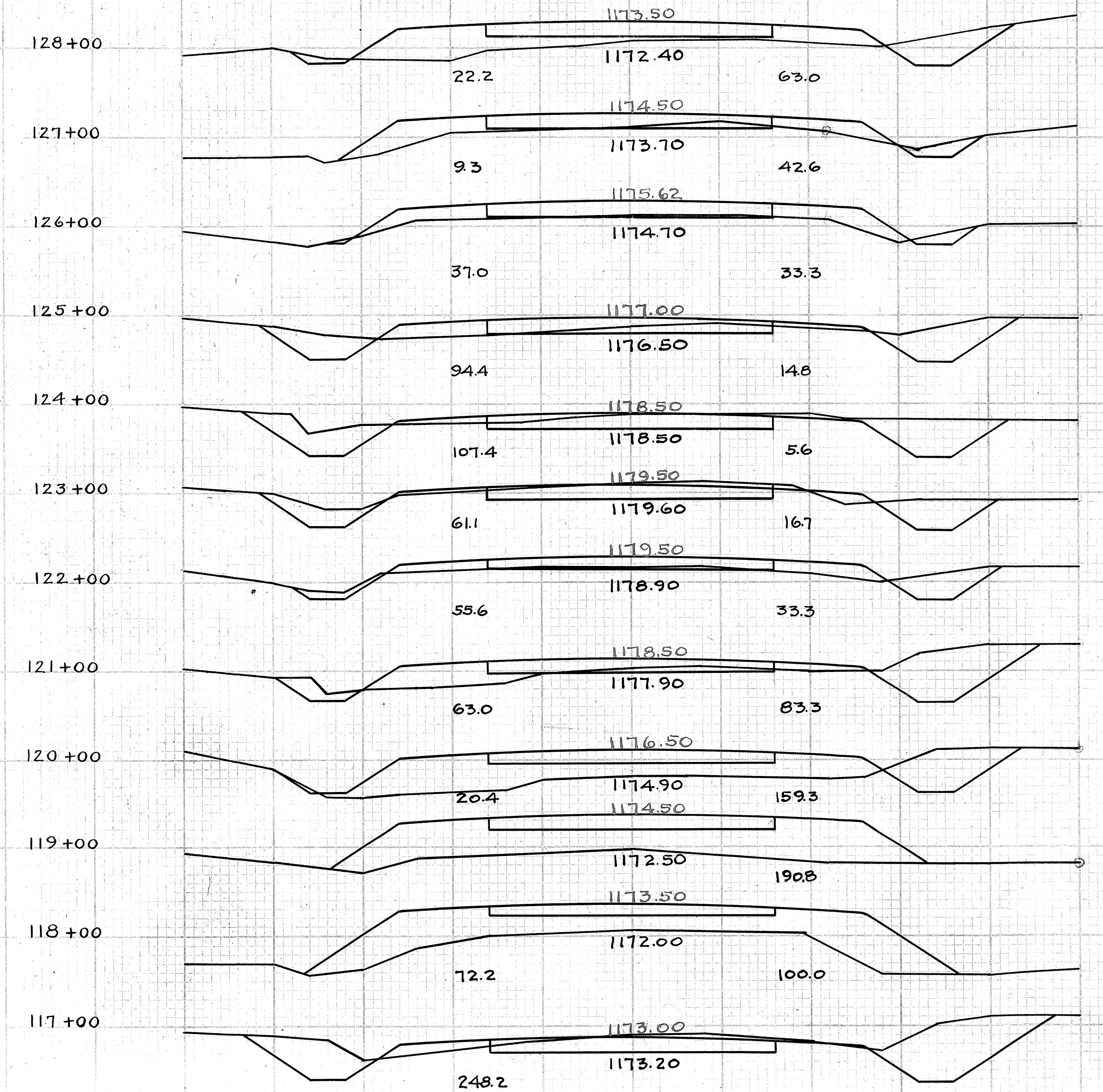
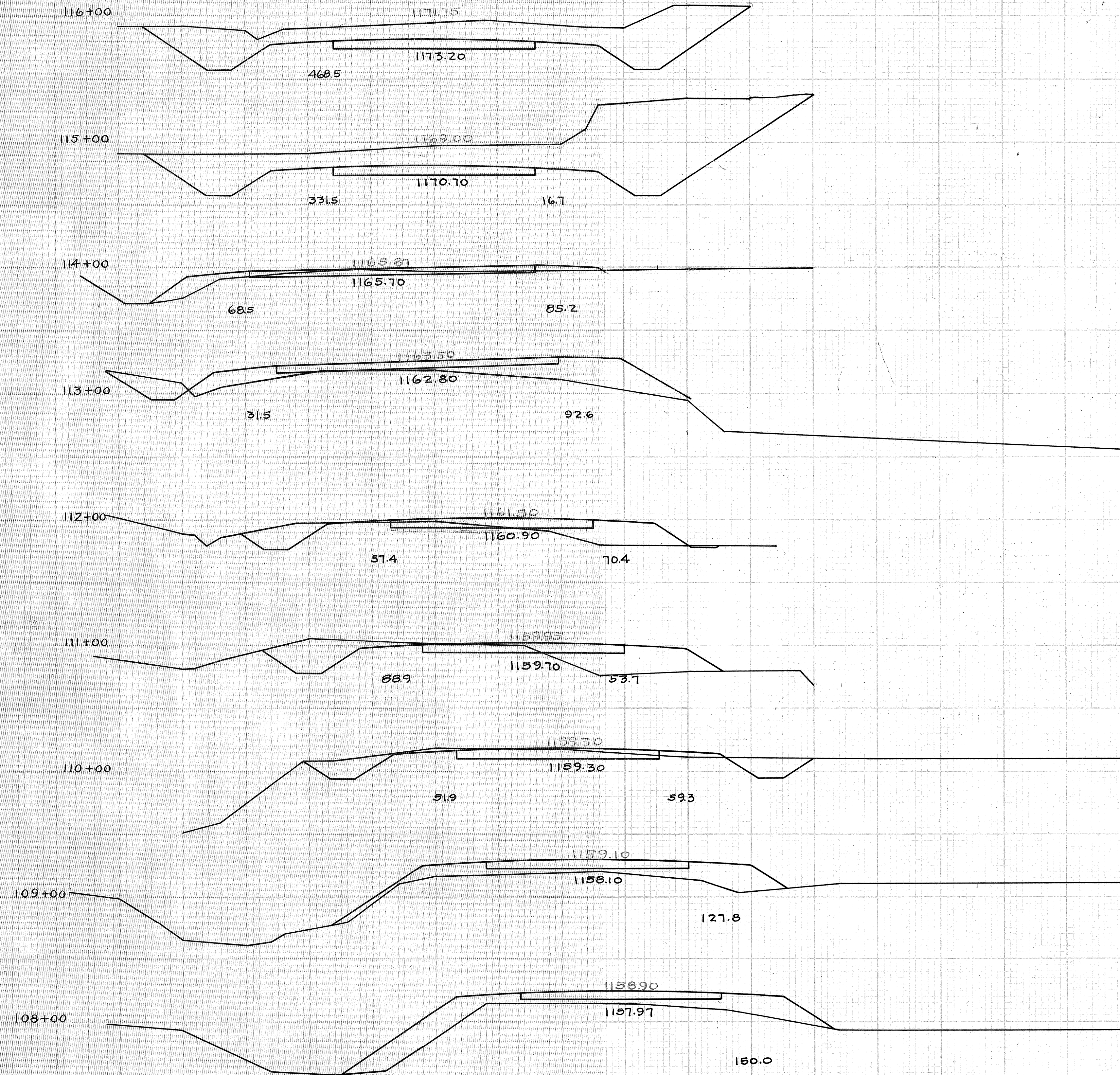
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Old " " below " "

Note: Cuts and fills in cu yds are shown at left and right respectively.

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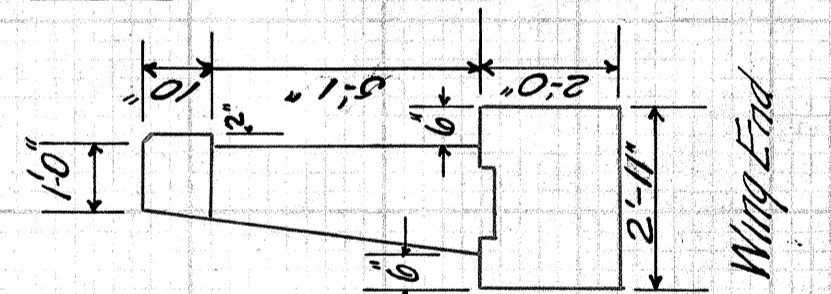
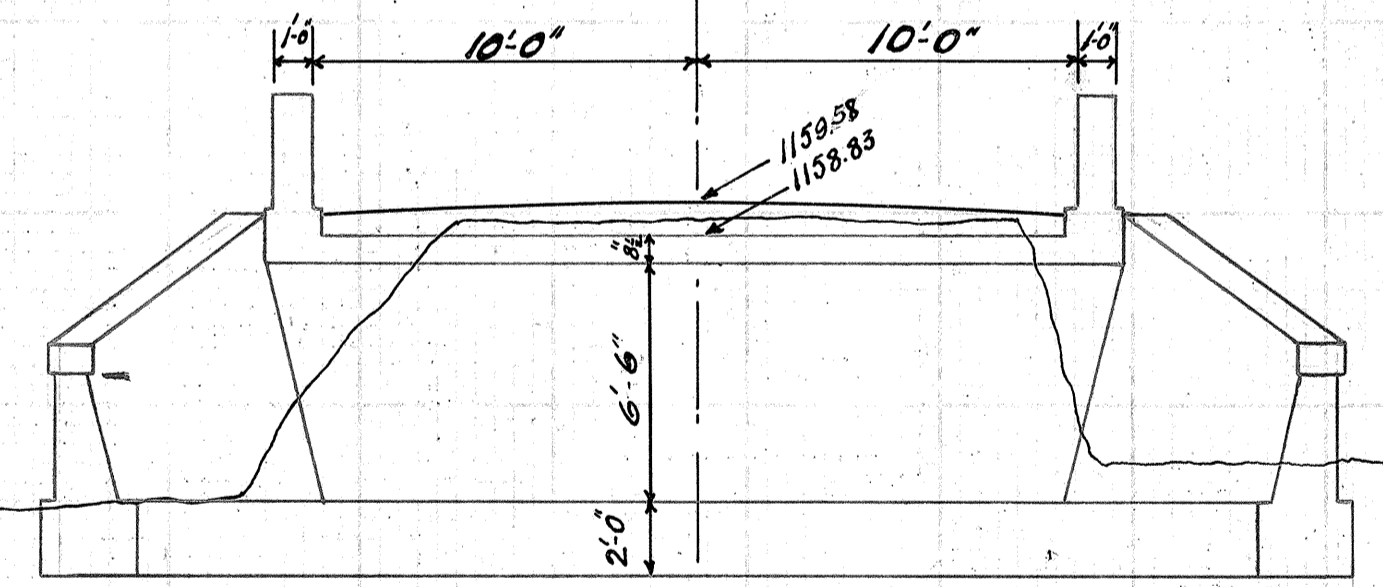
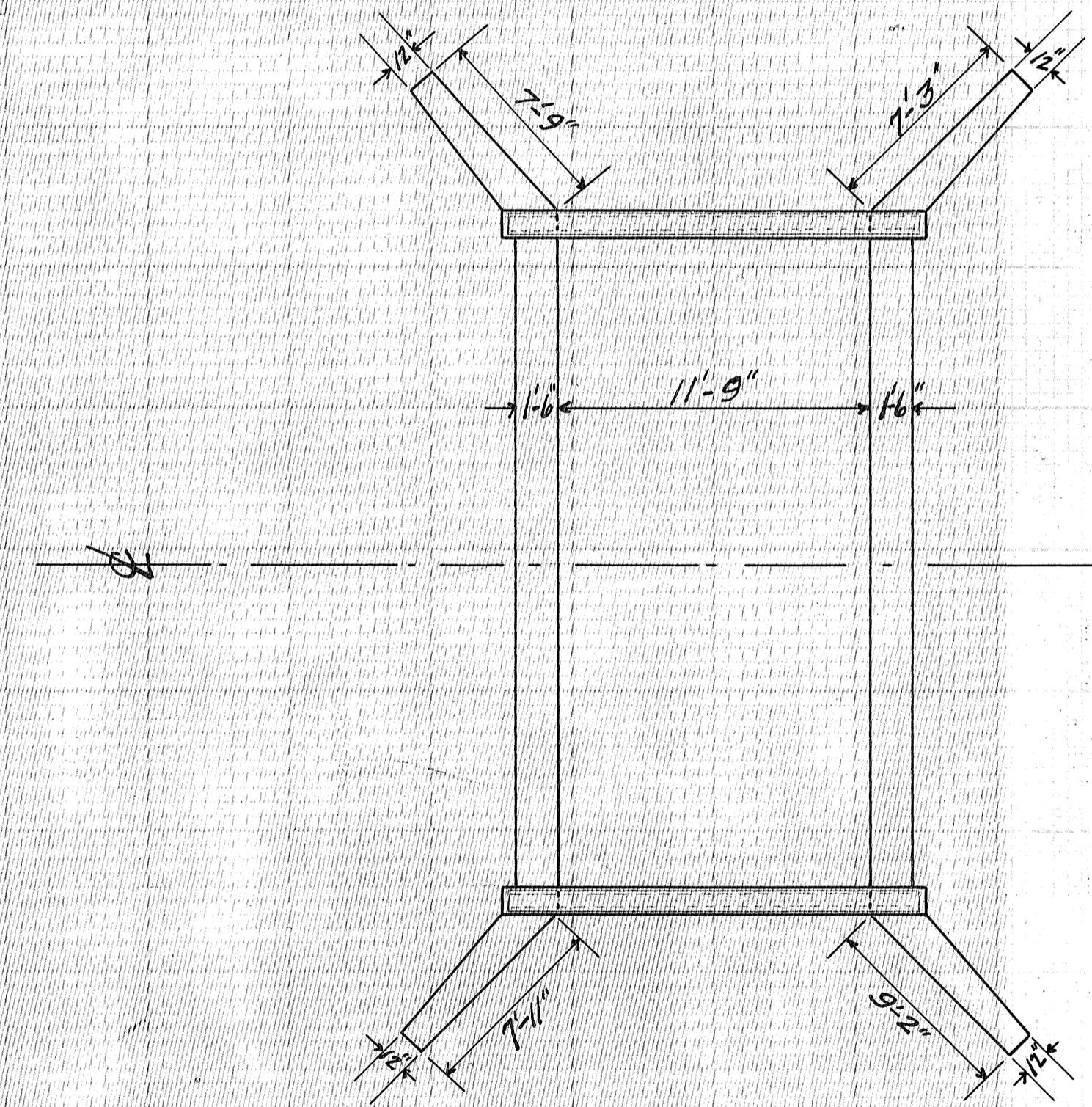
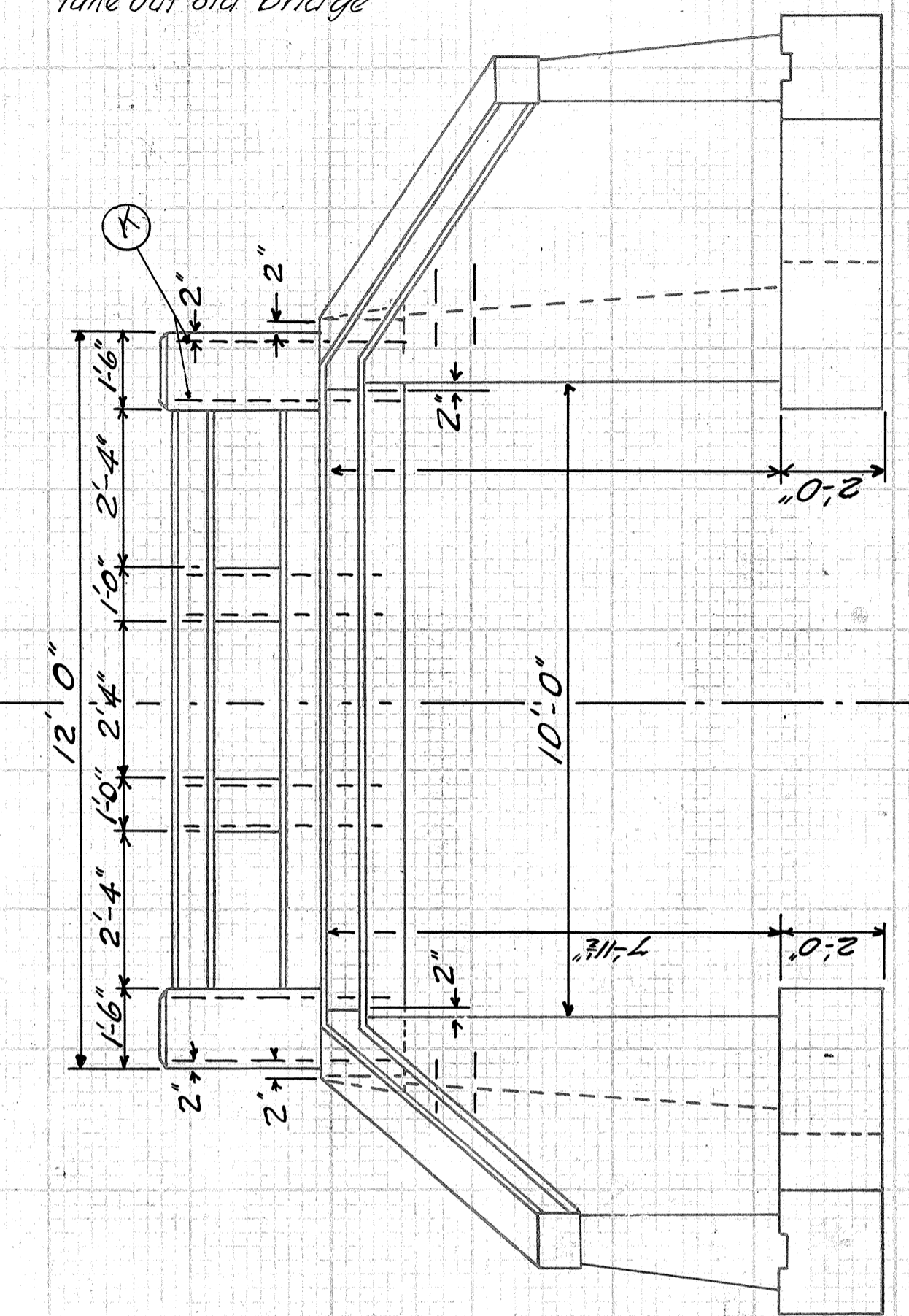
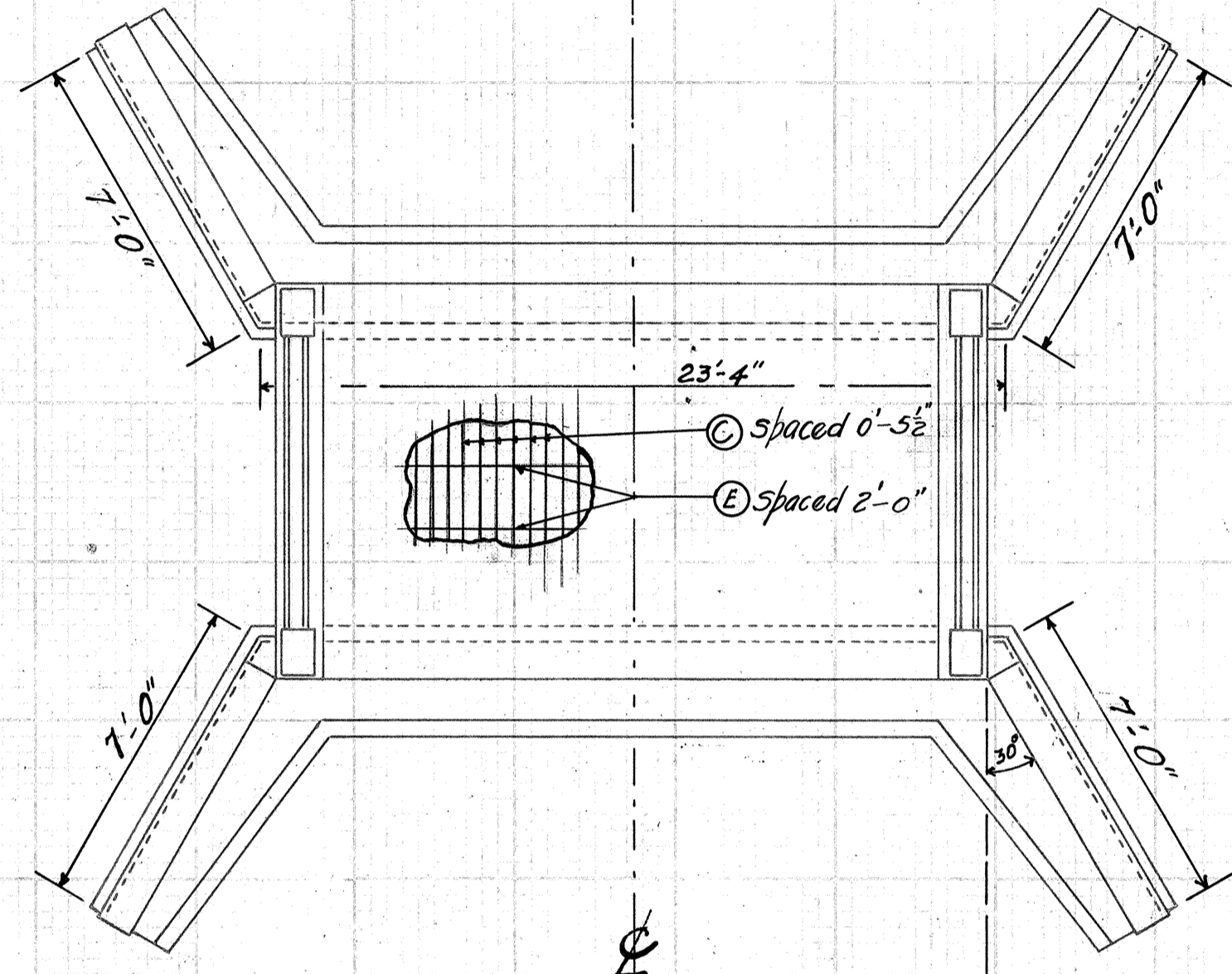
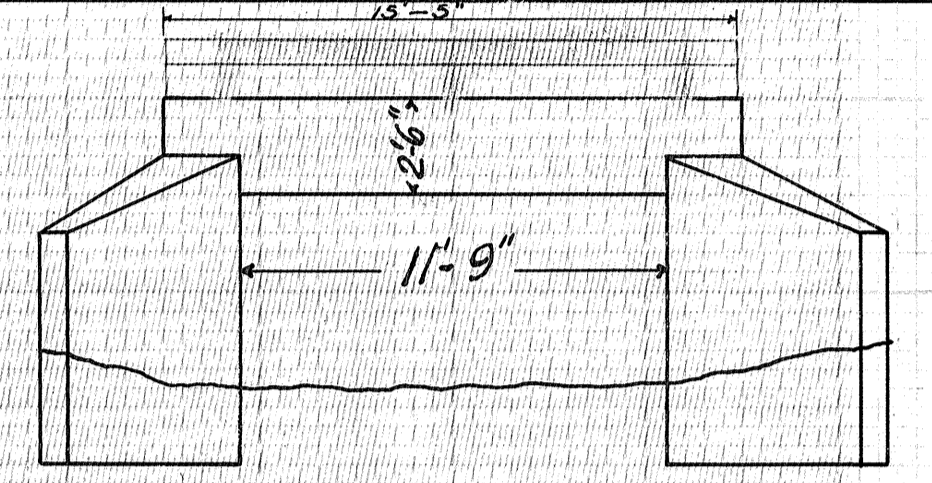
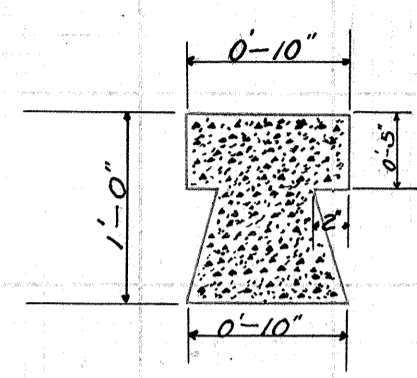
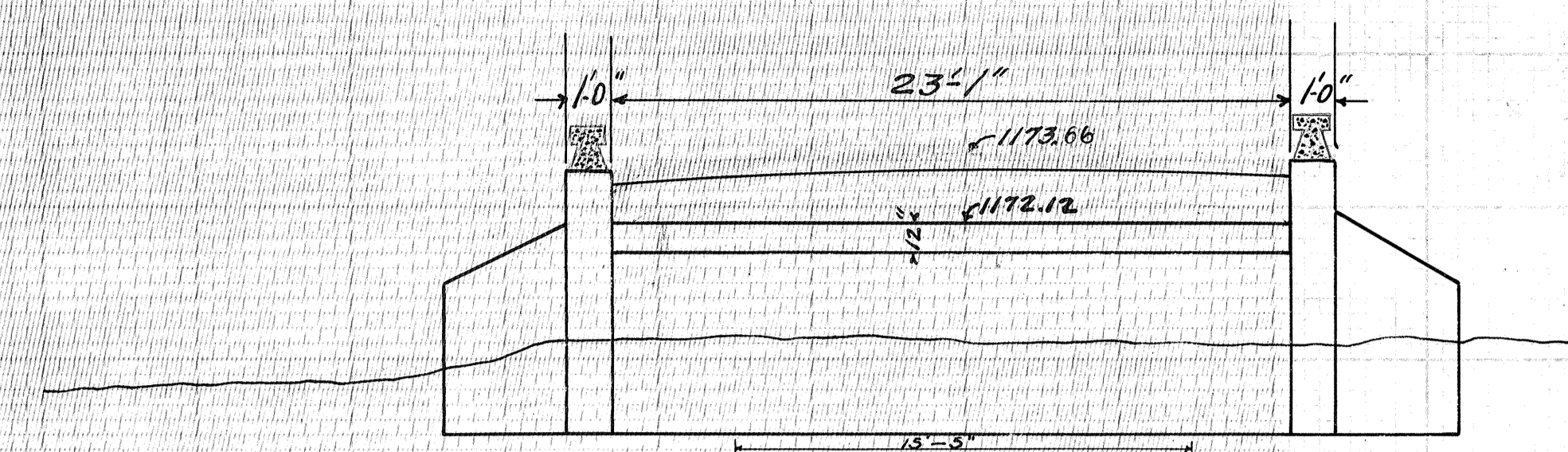
Steel List

Bars	Size	Length	No	Lbs
C	$\frac{3}{8}$ "	12'-0"	47	749
F	$\frac{3}{8}$ "	24'-0"	5	119
G	$\frac{3}{8}$ "	3'-6"	16	27
K	$\frac{3}{8}$ "	4'-0"	16	31
F	$\frac{3}{8}$ "	11'-6"	4	77
O	$\frac{3}{8}$ "	5'-0"	8	22
Total				1025

Concrete

1:2:4	1:2½:3	1:3:6	Total
8.2	26.9	14.0	49.1

24 Linth Type 'G' railing
106 Cuyd Excavation
Tare out old bridge

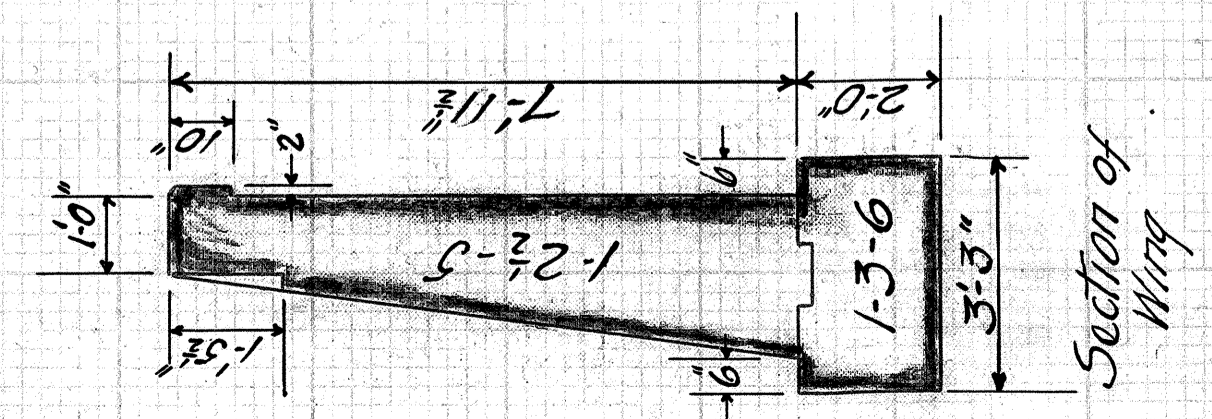
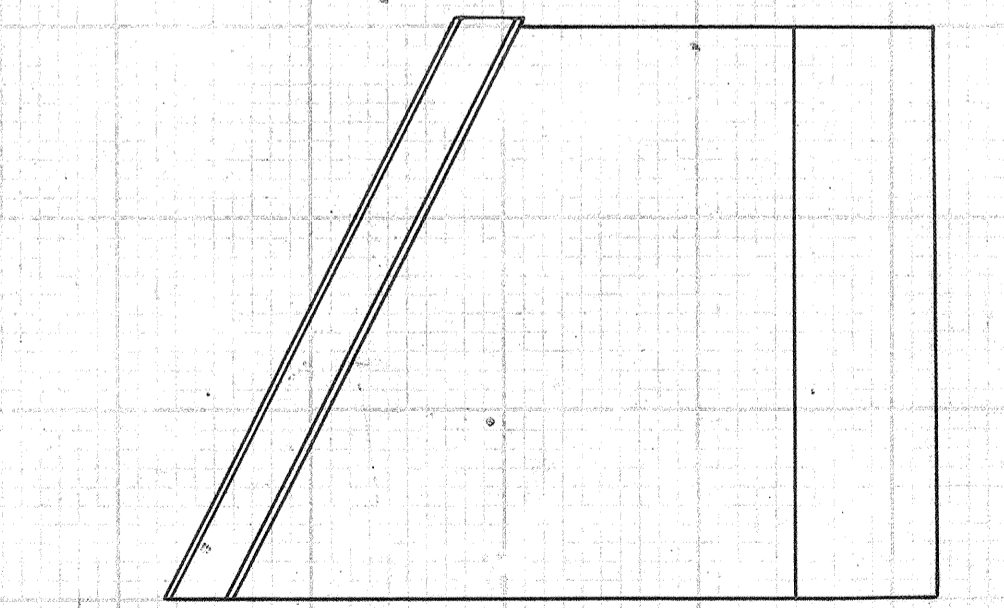
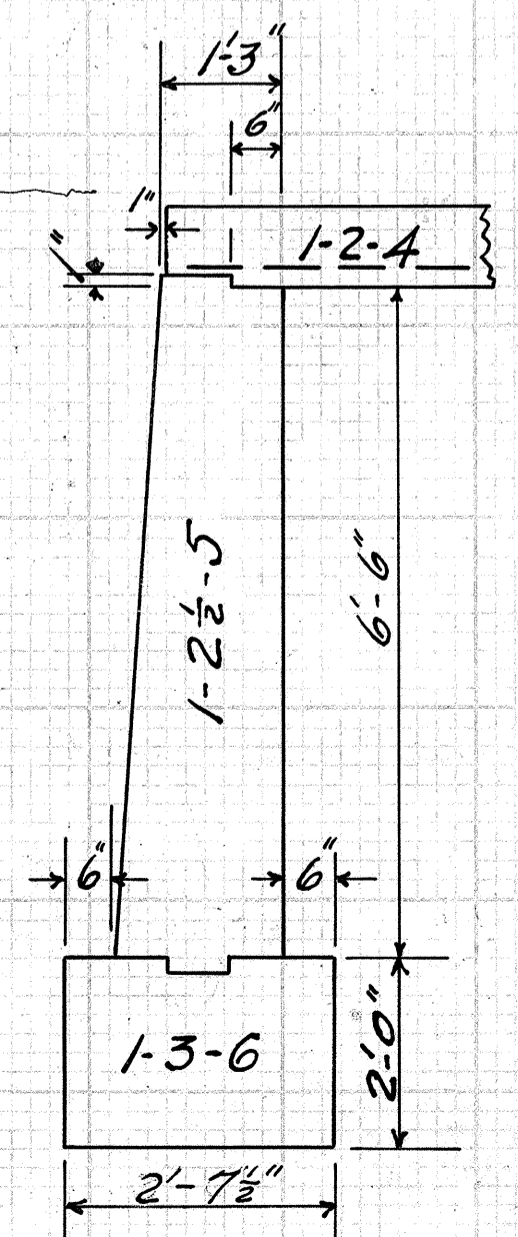
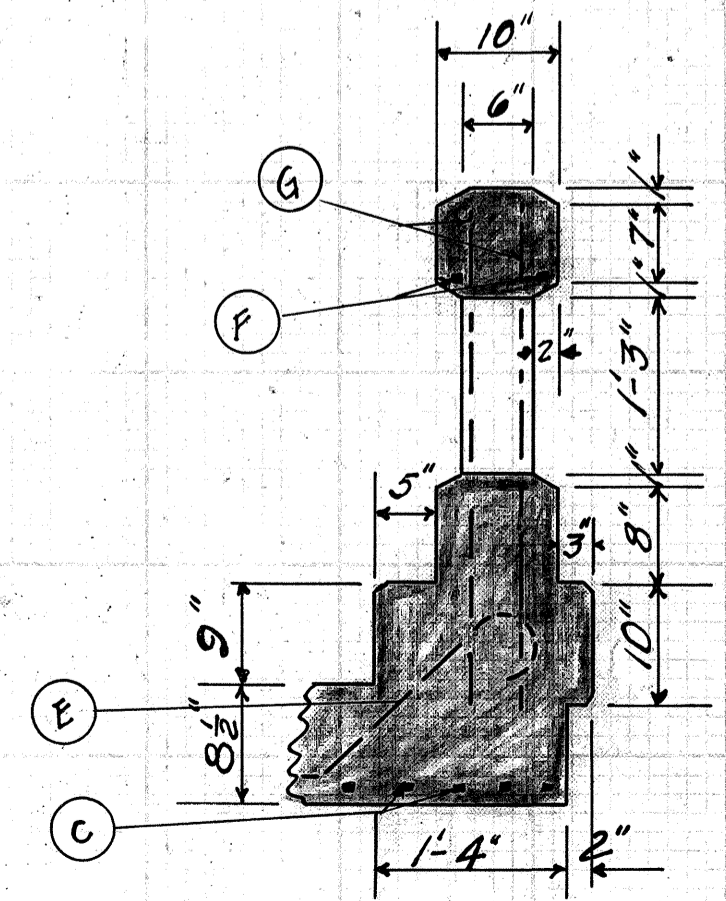
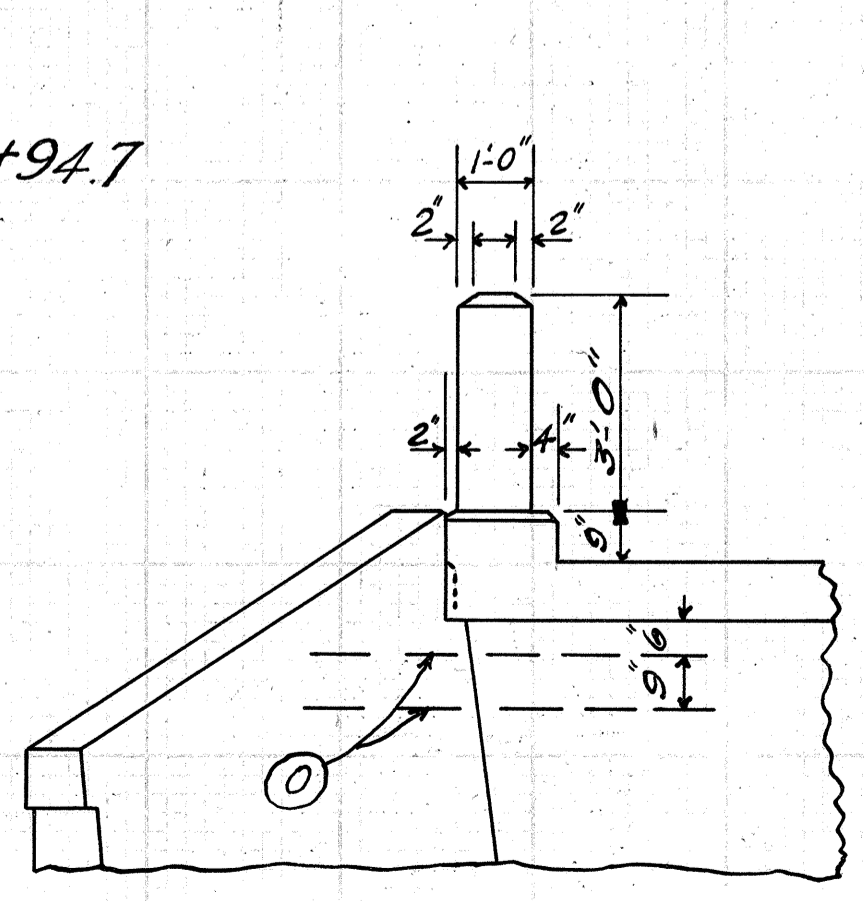


Sta. 6. Present- Slab top bridge
11'-9 x 23'-1"

Proposed- Construct two
concrete railings

Quantities = 0.9 Cuyd
1:2:4 Concrete
in two railings

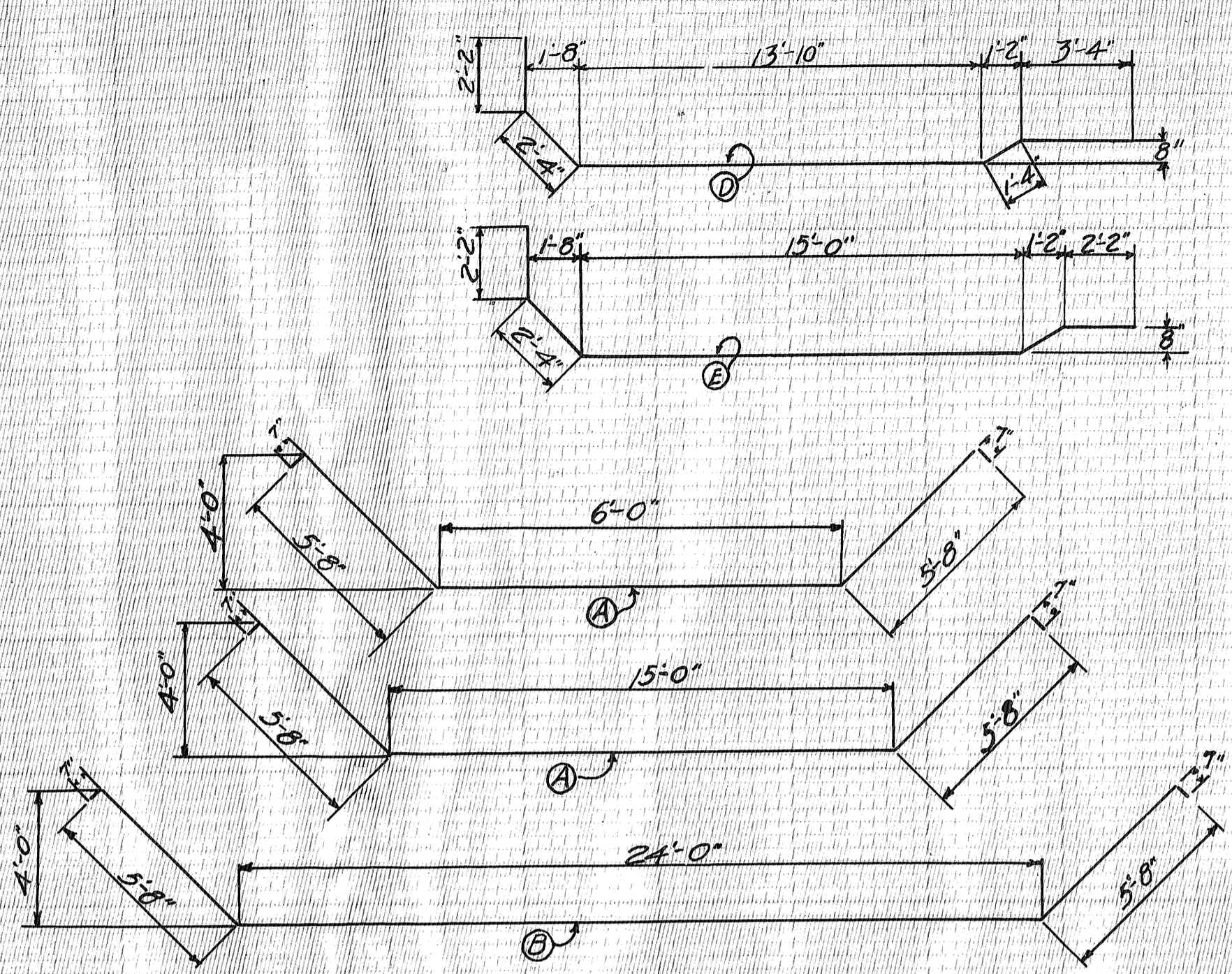
Sta. 105+94.7



Sta 110+21

ALL WINGS ALIKE

Excavation
 1.4 12:4 Concrete
 1.3 12:5 Concrete
 18.4 1:3:6 Concrete



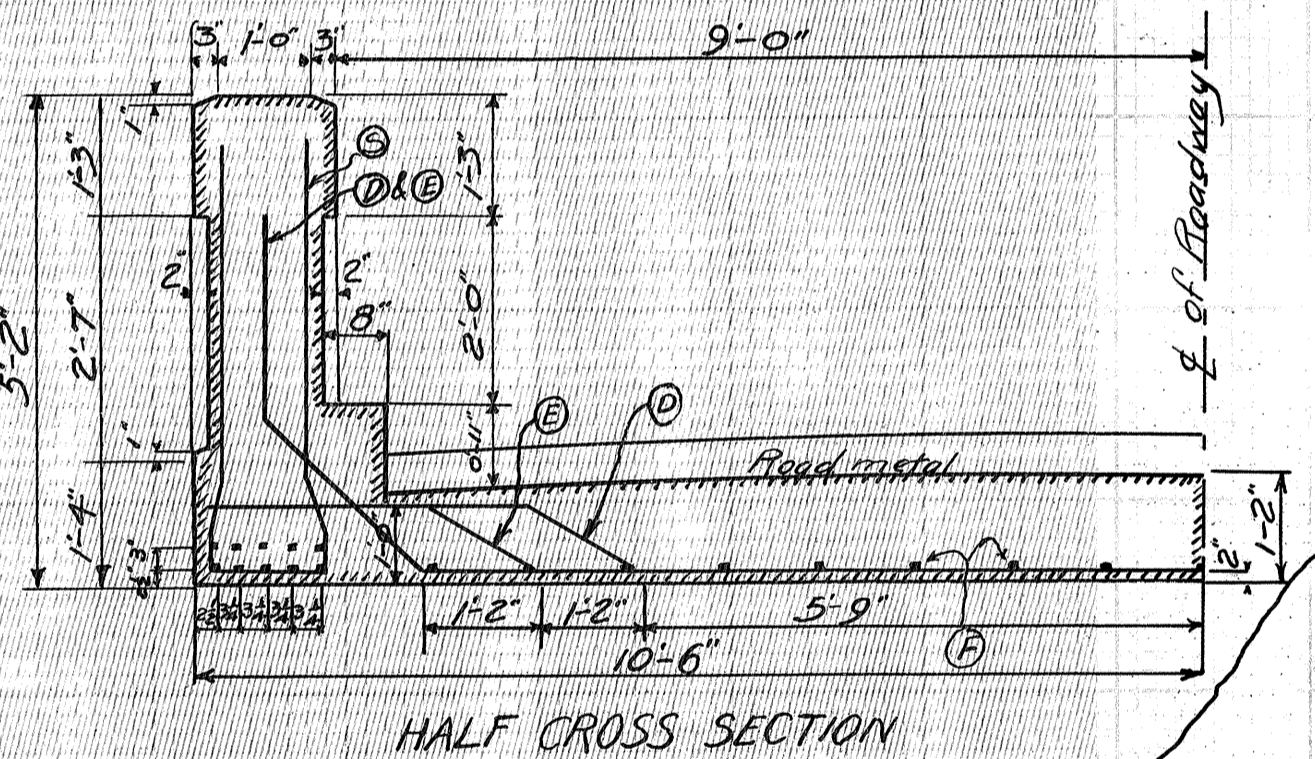
STEEL LIST

Name	Size	Length	Number	Weight
A	1"	18'-8"	2	126
A	1"	27'-6"	8	748
B	1"	36'-6"	6	745
C	1"	34'-0"	4	463
D	7/8"	23'-0"	30	1794
E	7/8"	23'-0"	30	1794
F	7/8"	32'-6"	17	264
S	3/8"	10'-0"	12	57

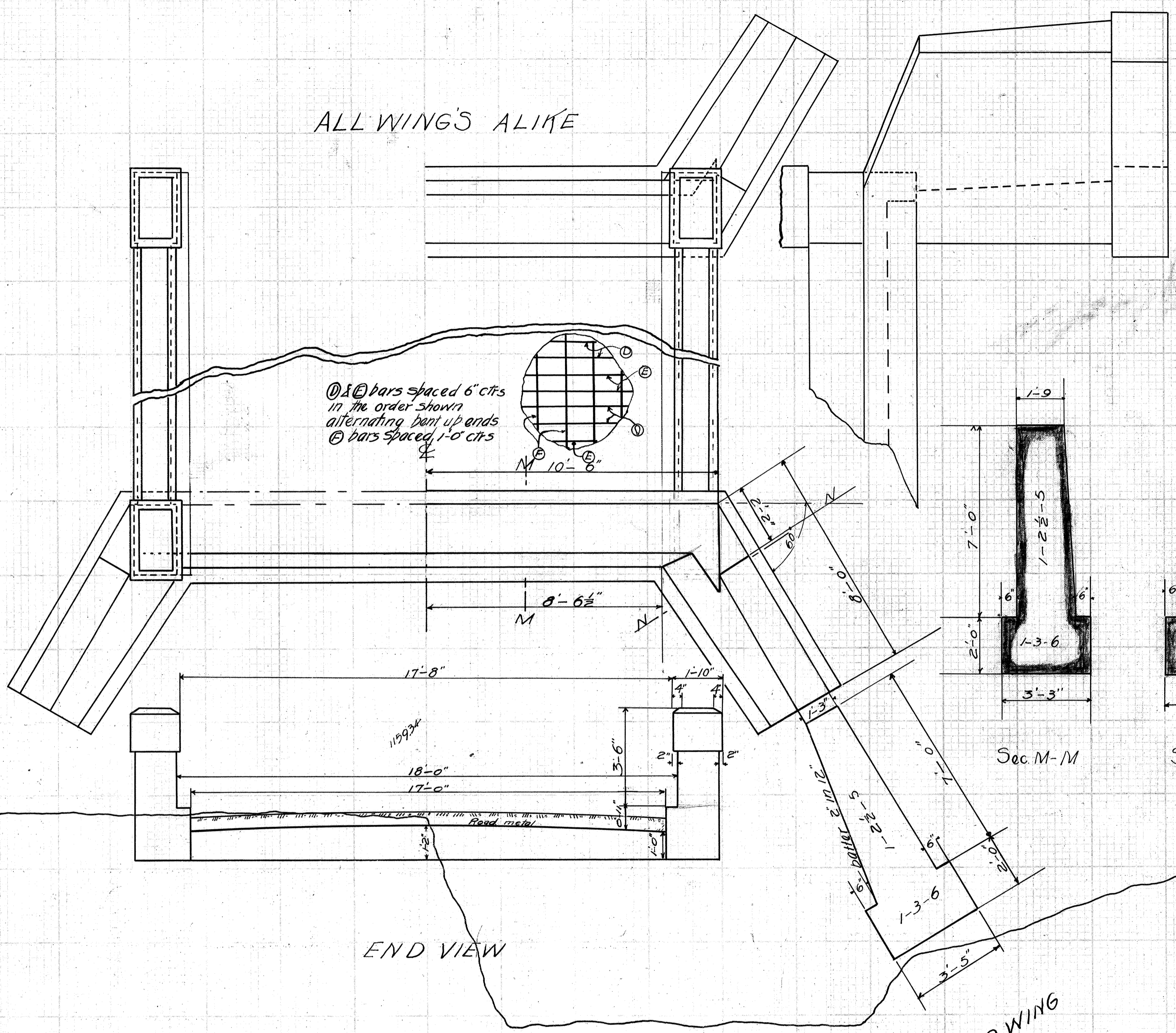
Reinforcing steel to be square twisted or deformed bars of equivalent section
 All steel to be in place before concrete is poured.

ESTIMATED QUANTITIES

Concrete 1-2-4 444 Cu Yds
 Reinforcing steel 5990 Lbs
 C.I. Scuppers none Reg'd
 Cement reg'd 67 Bbls

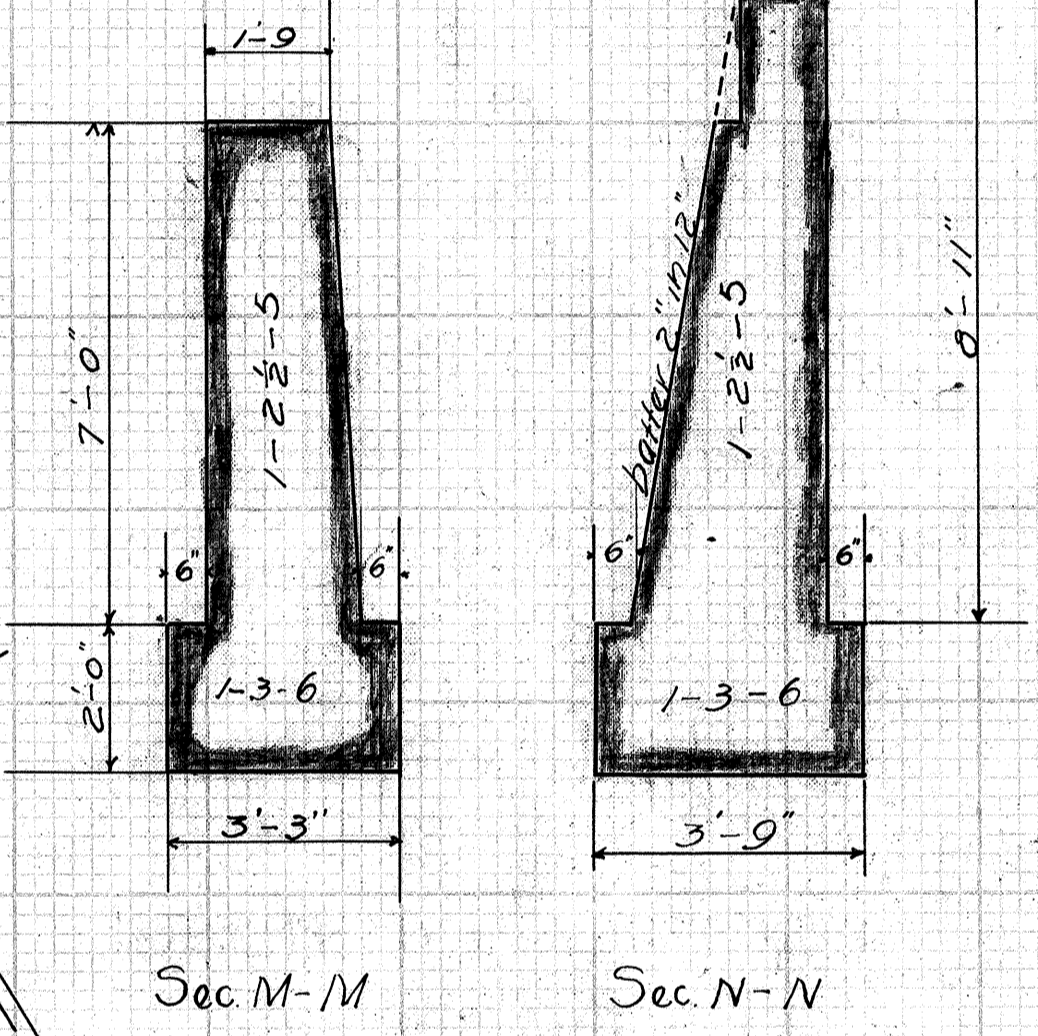


HALF CROSS SECTION



END VIEW

END WING

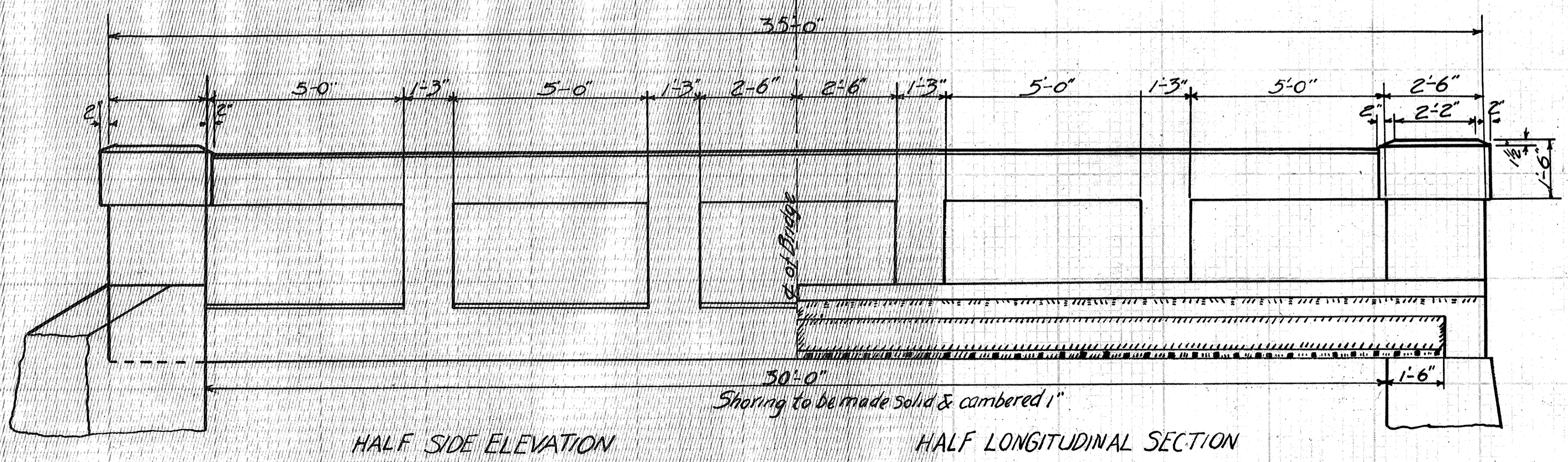


Sec. M-M

Sec. N-N

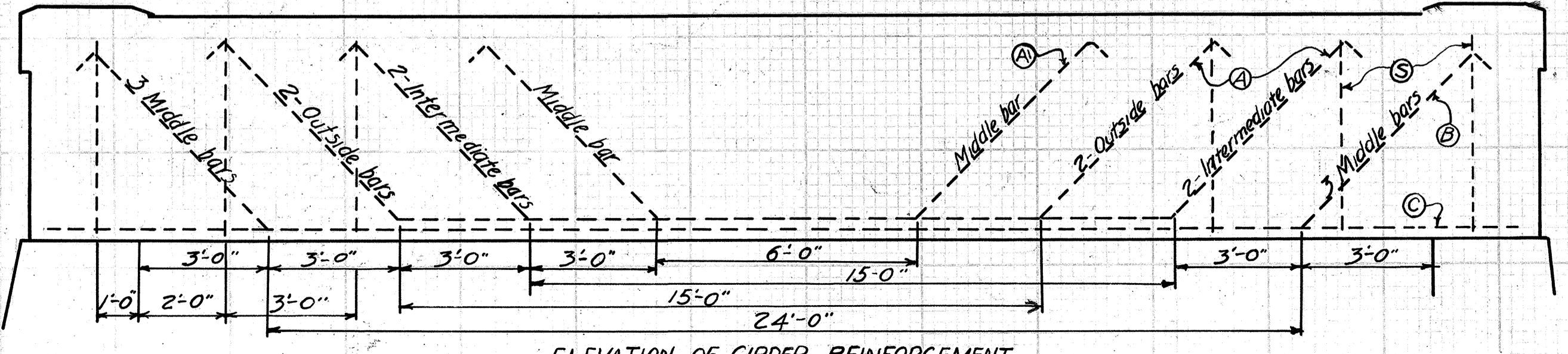
Quantities

150 CuYd Excavation
444 " 1:2:4 Concrete
46.3 " 1:2 1/2:5 "
18.3 " 1:3:6 "
5990 Lbs reinforcing Steel
Remove old bridge



HALF SIDE ELEVATION

HALF LONGITUDINAL SECTION



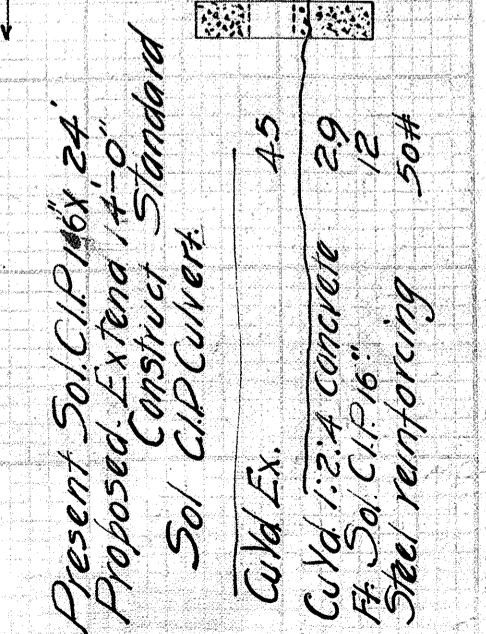
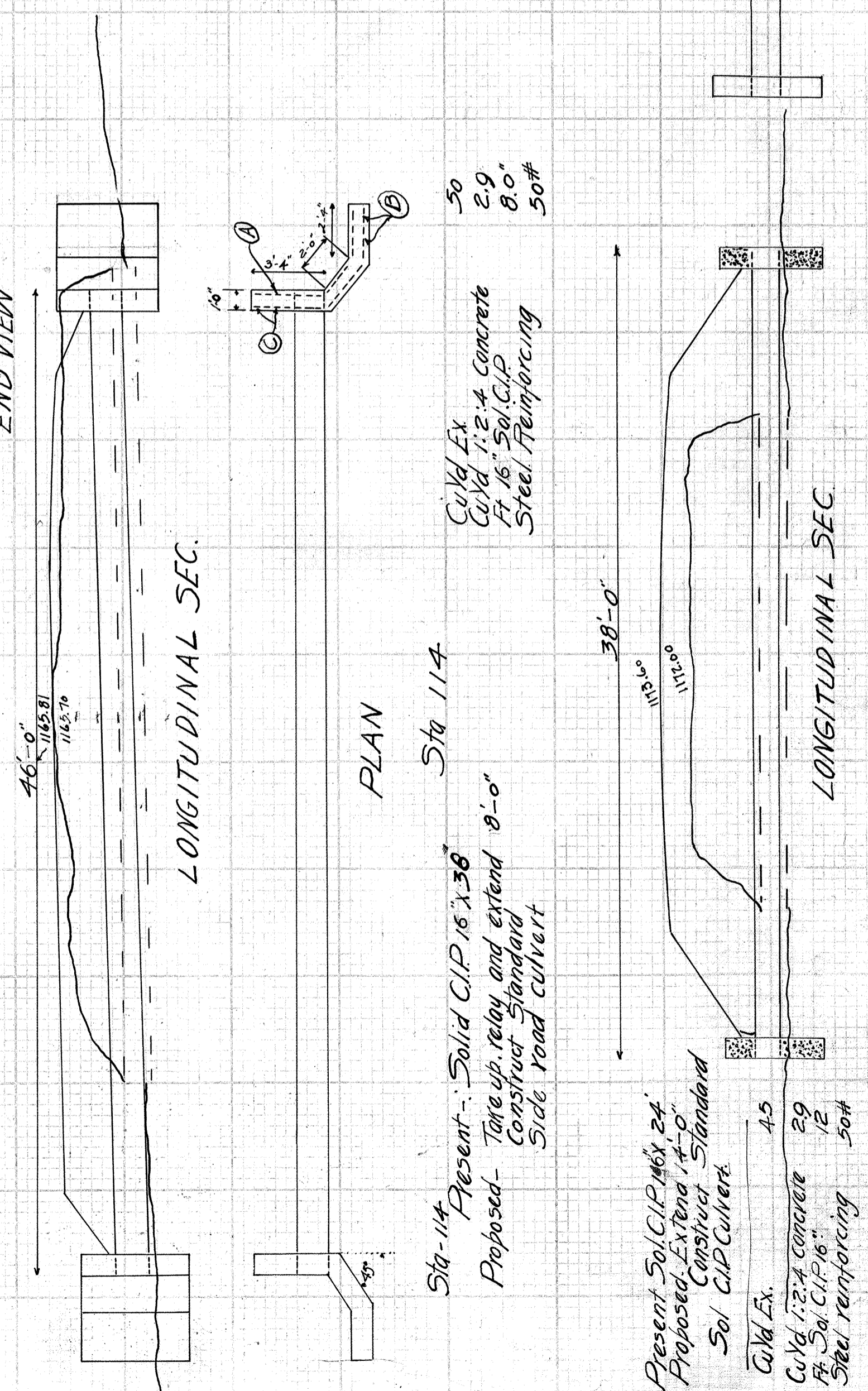
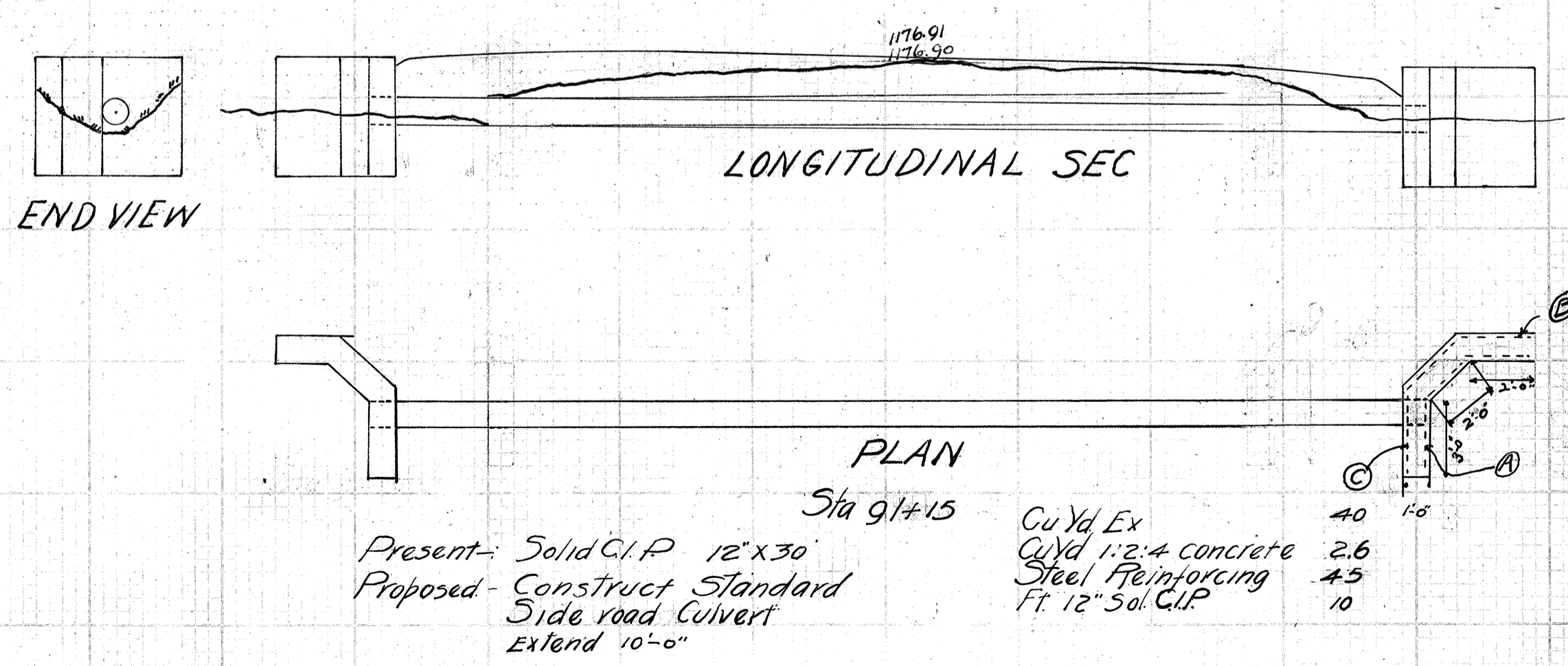
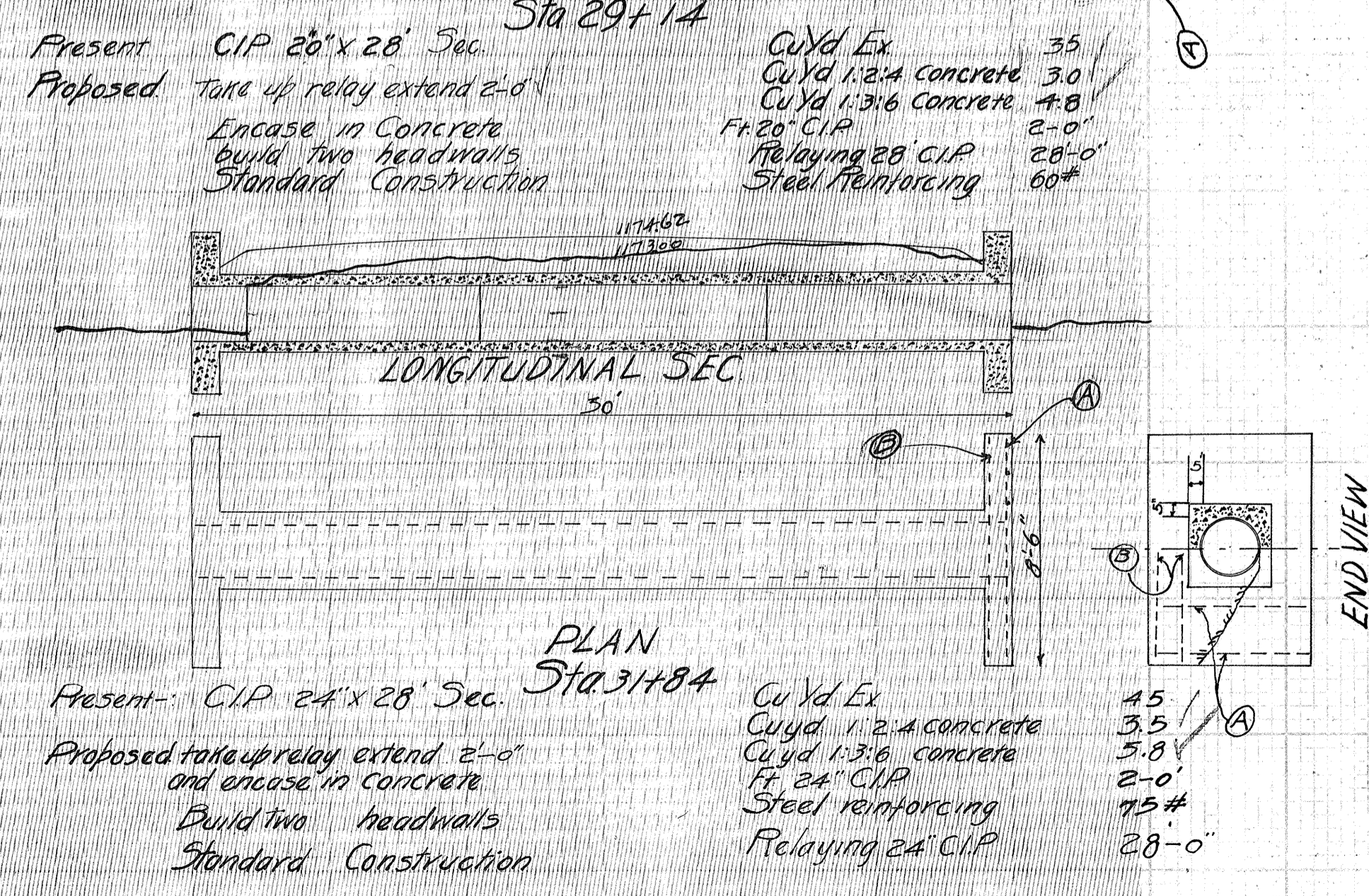
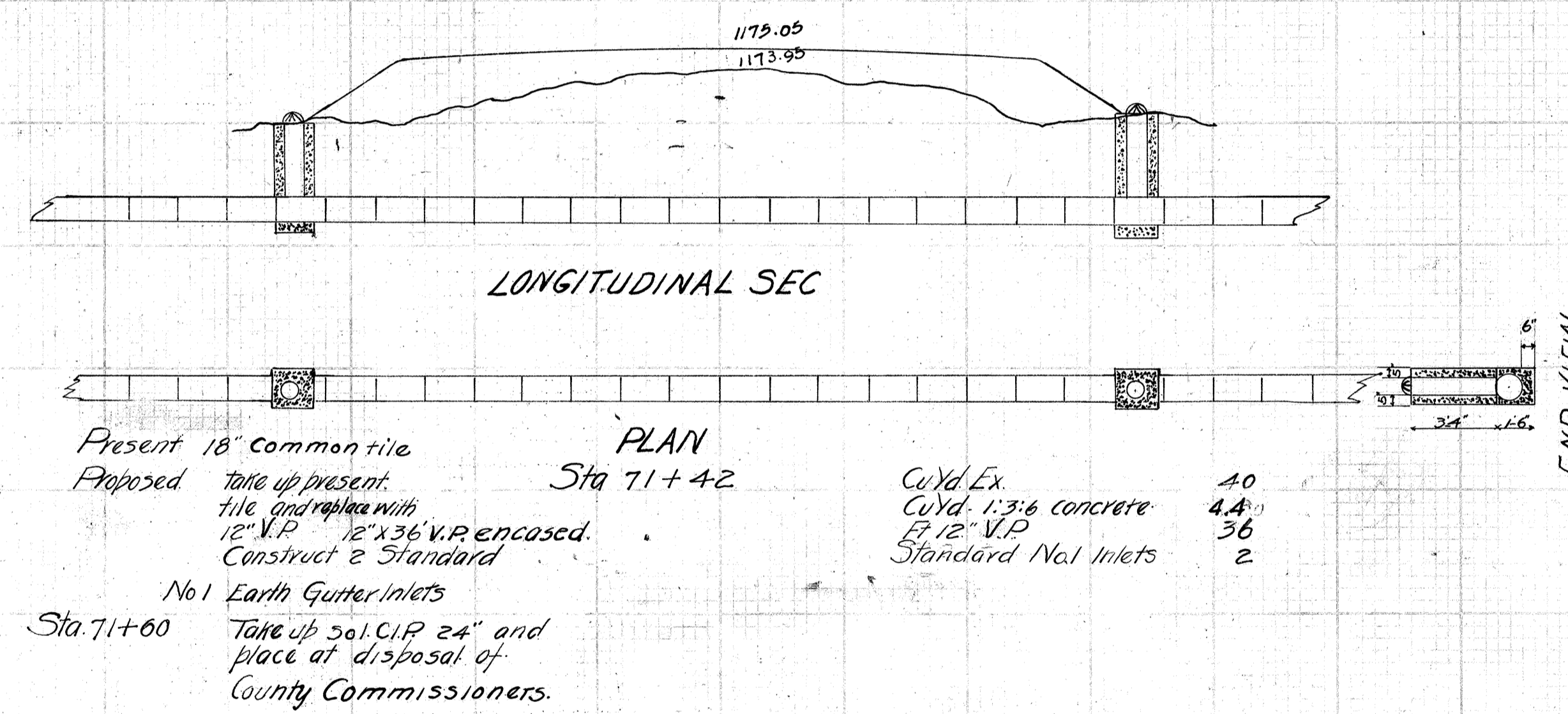
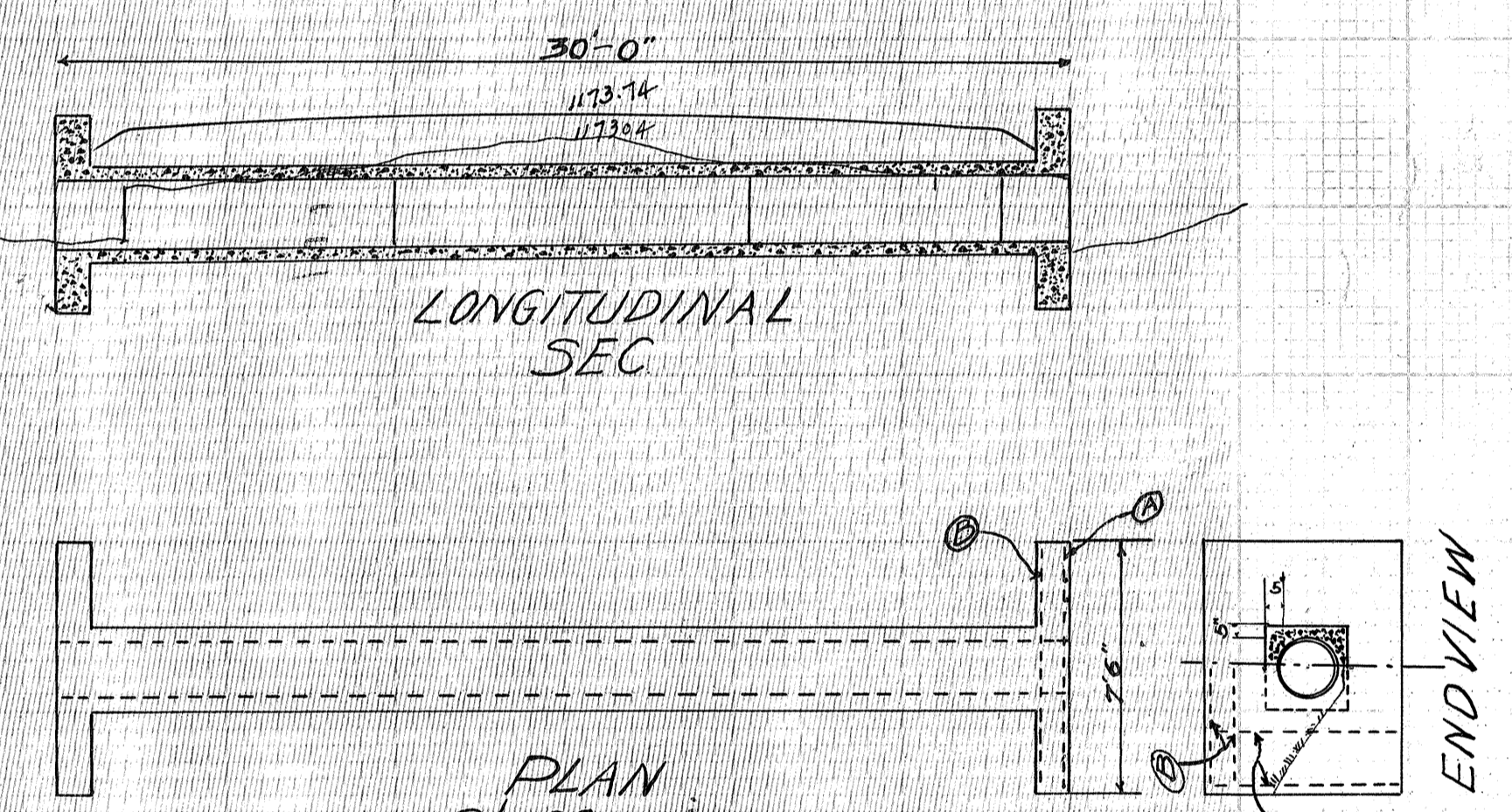
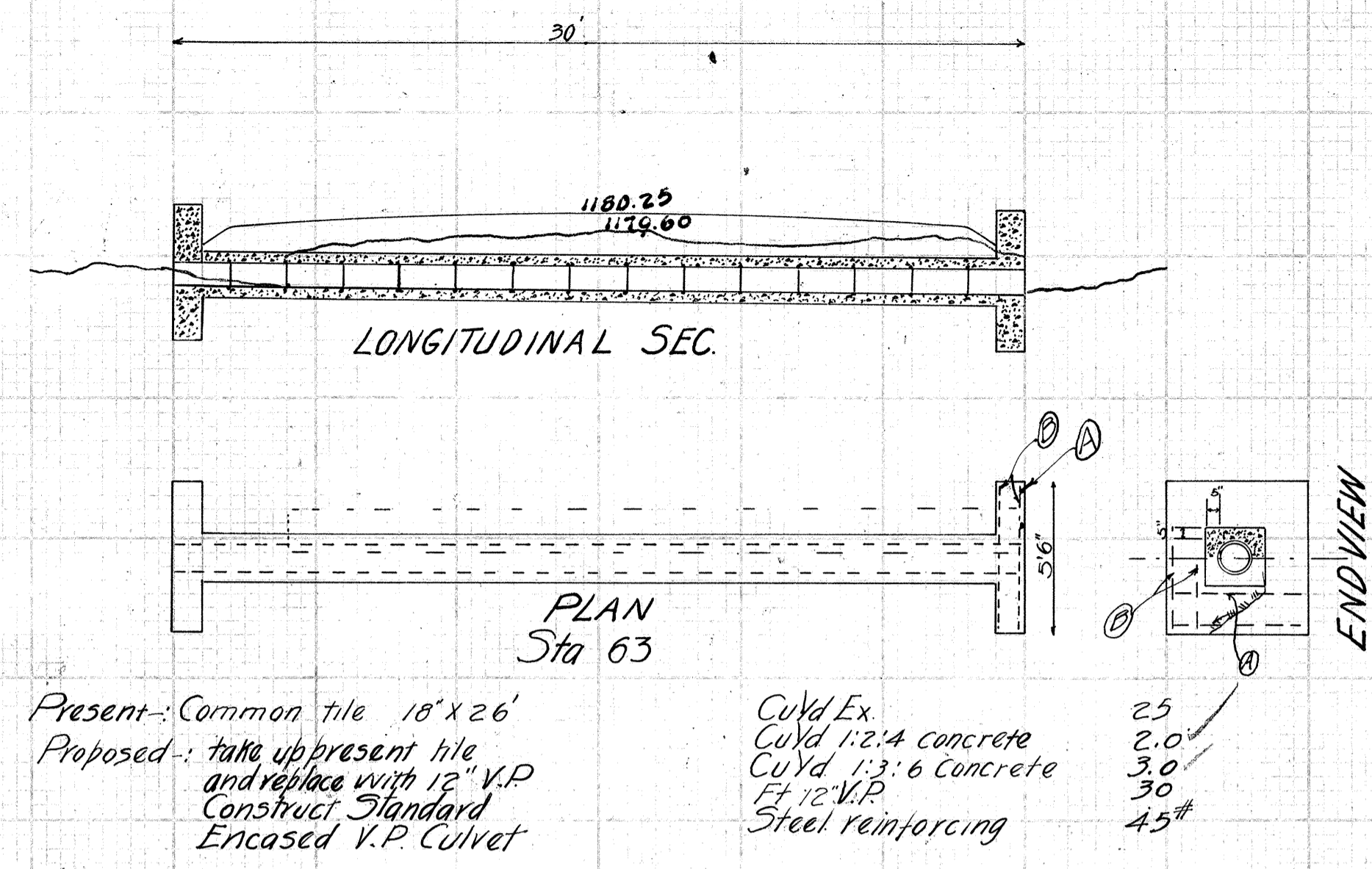
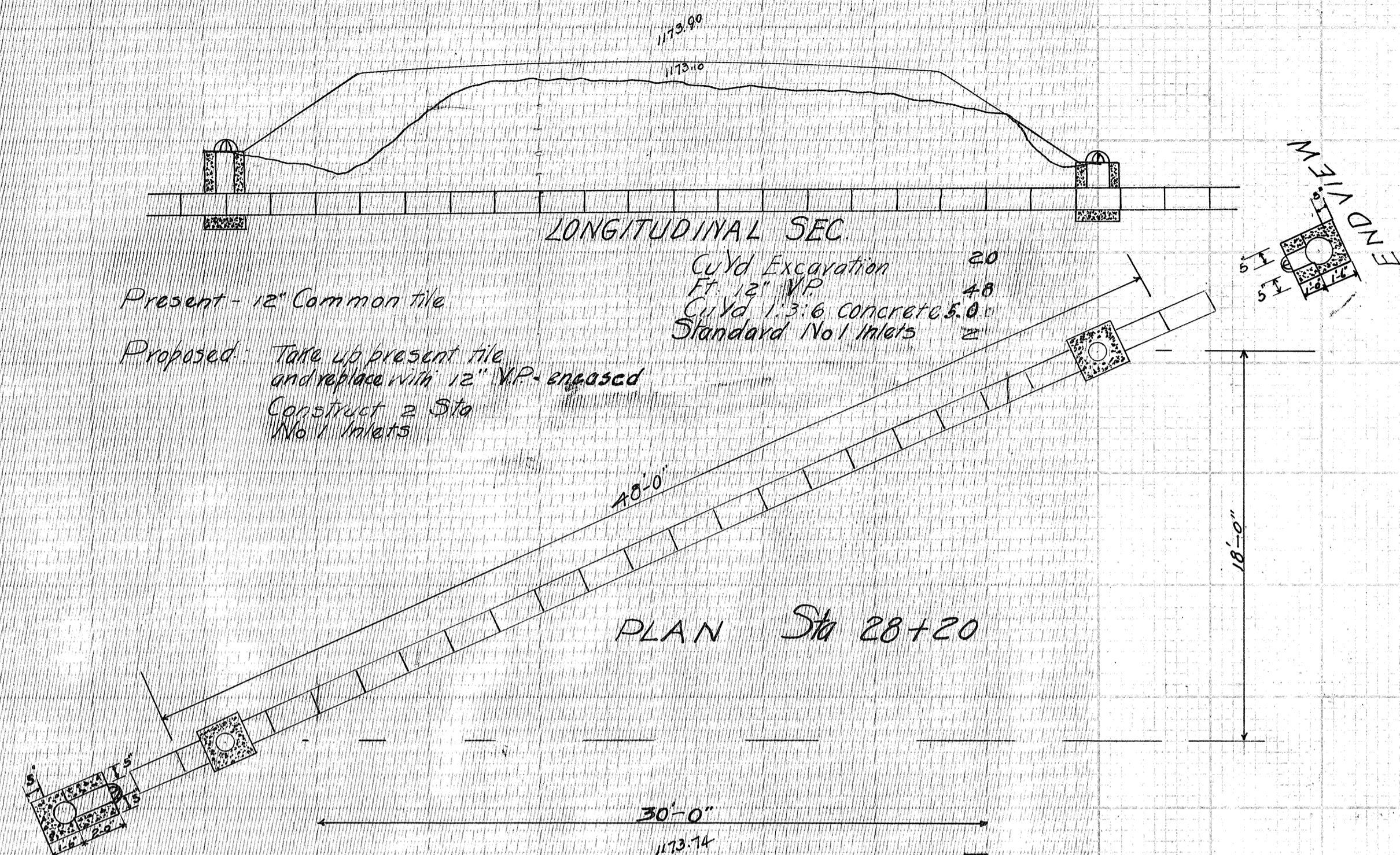
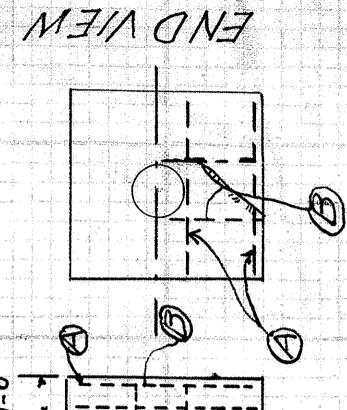
ELEVATION OF GIRDER REINFORCEMENT

Scale 3/8" = 1'

FED. ROAD DIST. No.	State	FED. AID PROJ. No.	FISCAL YEAR
10	Ohio	92	1920

T. C. H. No. 204 Section A
CRAWFORD COUNTY

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Recommended for Approval
Crawford County
County Engineer

SUMMARY OF QUANTITIES

Structures under twenty feet

Station	type	size	Excav cu yd	Concrete			Steel lbs	Type G Rail ft	Sec. C.I.P.		V.P.	Sol. C.I.P.		Std No. Inter	Relay Sec. C.I.P.	Miscellaneous
				1:2:4	1:2:5	1:3:6			20"	24"		12"	12"			
6+00	Slab bridge	11-9" x 23'-1"	0.9													
28+20	V.P.	12' x 48'-0"	20							48			2			
29+14	Sec. C.I.P.	20' x 30'-0"	35	3.0	4.8	6.0		2'-0"						28		
31+84	Sec. C.I.P.	24 x 30'-0"	45	3.5	5.8	7.5		2'-0"						28		
63+00	V.P.	12' x 30'-0"	25	2.0	3.0	4.5				30						
71+42	V.P.	12' x 36'-0"	40		4.4					36			2			includes ext. at 71+60
71+60	Sol. C.I.P.	24 x 30'-0"														Take up Sol. C.I.P. #10
91+15	Sol. C.I.P.	12' x 40'-0"	40	2.6		4.5				10'						
105+94.7	Slab bridge	10' x 20'-0"	106	8.2	26.9	14.0	1025	24								Remove old Bridge #10
114+00	Sol. C.I.P.	16 x 46'-00"	50	2.9		5.0								36		
118+18	Sol. C.I.P.	10 x 38'-00"	45	2.9		5.0						14				
Total	of	Quantities	406	26.0	26.9	37.0	1350	24'-0"	2'-0"	2'-0"	114'-0"	10'-0"	22'-0"	4	92'-0"	

Structures over twenty feet

110+21	Concrete girder bridge	18' x 30'	150	44.4	46.3	18.3	5990										Remove old bridge
Total of Quantities			150	44.4	46.3	18.3	5990										
Grand Total of Quantities			556	70.4	73.2	55.3	4340	24'-0"	2'-0"	2'-0"	114'-0"	10'-0"	22'-0"	4	92'-0"		

10509 - 101107 - 101500
 10509 - 101107 - 101500