

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

DAYTON - GERMANTOWN ROAD

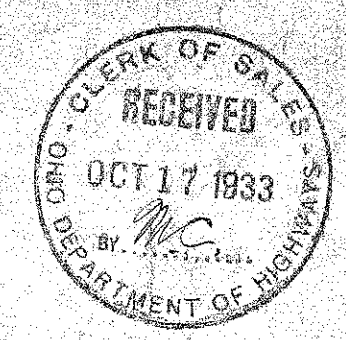
N.R.H. 581-G (PROPOSALS) NO 1
N.R.M. 581-H (PROPOSAL) NO 2

SH. I.C.H. No 65 SEC. 'B', PART 'C' & DAYTON PART. PET. No 7638

MONTGOMERY COUNTY

JEFFERSON - HARRISON TWP. MARCH 1933

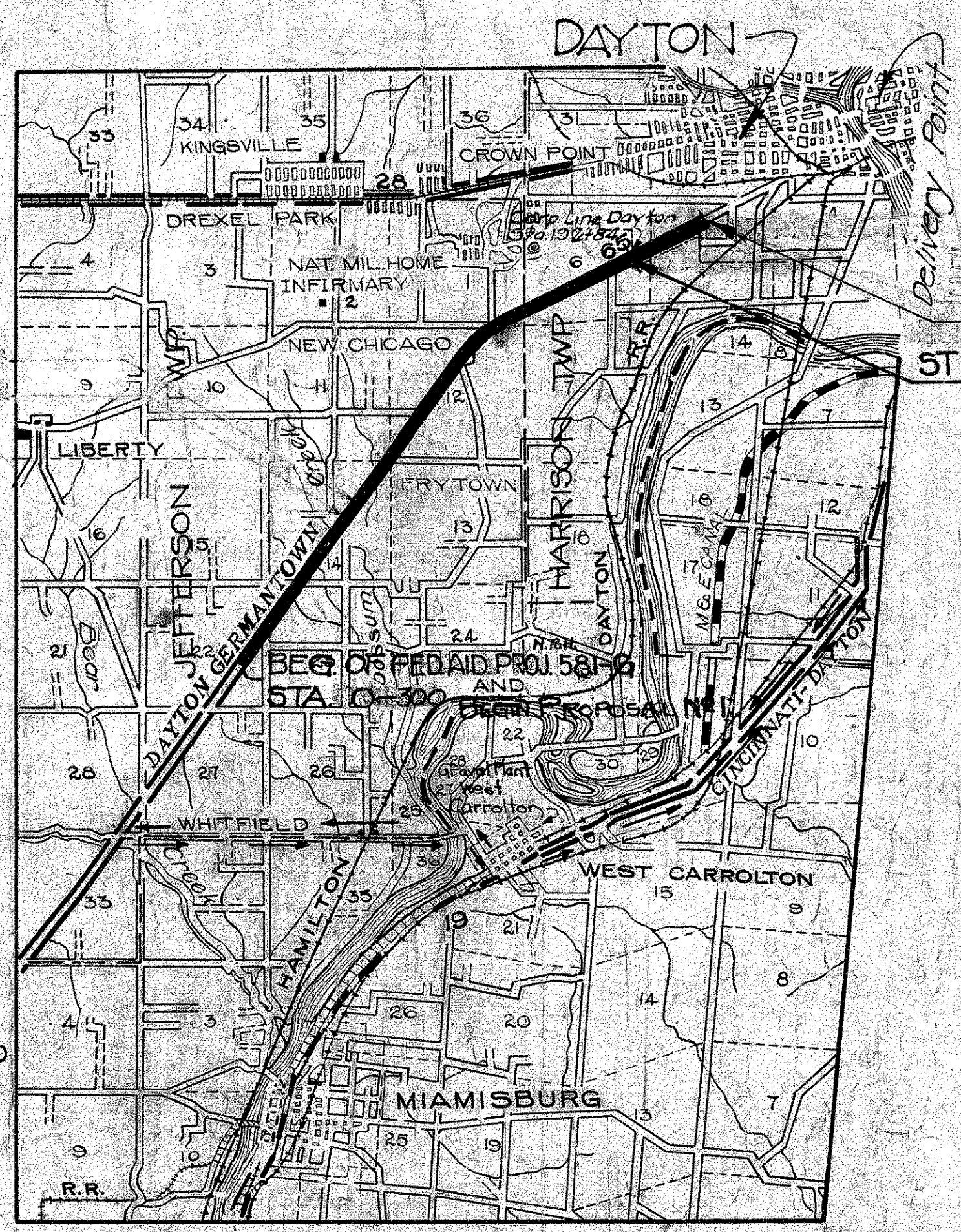
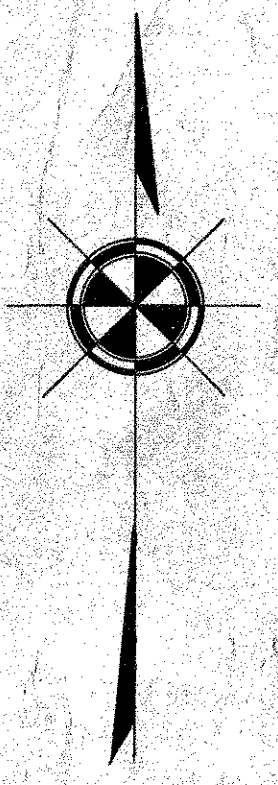
BUREAU OF CONSTRUCTION



Orange
104

CONVENTIONAL SIGNS

- State Line
- County Line
- Township Line
- Section Line
- Property Line - not fenced
- Center Line
- City or Village Line
- Fence Line
- Telephone or Telegraph
- Steam Railroad
- Electric Line
- Guard Rail - New
- Drain Pipe - New
- Drain Pipe - Old
- Hedge Fence
- Guard Rail - Existing



The Standard Specifications of the STATE OF OHIO Department of Highways, together with the Supplemental Specifications for National Recovery Highway Funds Projects, in force on date of contract, will govern this improvement.

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

STA 212+55.51
END F.A.P. N.R.M. 581-H PROPOSAL NO 2.

STA 192+84 End Prop. #1 - Beg. Prop. #2
END F.A.P. N.R.H. #581-G BEGIN F.A.P. N.R.M. 581-H.

Approved: Matthew Boylan
Date 8/1/32 Resident District Deputy Director

Approved: Luke Beamon
Date 6/2/32 Resident Division Deputy Director

Approved: Ernest Hilty
Date 8/1/32 Deputy Director Bureau of Construction

Approved: _____
Date _____ Deputy Director Bureau of Maintenance

Approved: _____
Date _____ Deputy Director Bureau of Bridges

Approved: H.P. Chapman
Date 2/2/33 First Ass't Director & Chief Engineer

Approved: Oliver Merrill
Date 1/1/33 Director of Highways

Recommend for Approval: _____
Date _____ District Engineer Bureau of Public Roads

Recommend for Approval: _____
Date _____ Chief Engineer Bureau of Public Roads

Approved: _____
Date _____ Chief of Bureau

OK for 20, 30 & 40 ft Conc Pav't, Curbs, Grdgs & S/S
ELM 9/33



F.A.P. N.R.H.	F.A.P. N.R.M.
581-G	581-H
PRO. No 1 & 2	PRO. No 2
Title	No 1
General Notes	72
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Supplemental Prints of Standard Drawings Nos.
(T-70-J)(G-7.07)(I-12 CC) (BC-ACE-A) (D-80)(D-8E)(D-8F)
(I-8 C.B.1.2.2) (LBC-33) (S-27 PC 1-2) (I-8-INO)

SCALES:
Plan 1" = 100'
Profile Ver. 1" = 10'
Profile Hor. 1" = 100'
Cross-Sections 1" = 5'

LOCATION PLAN

SCALE OF MILES

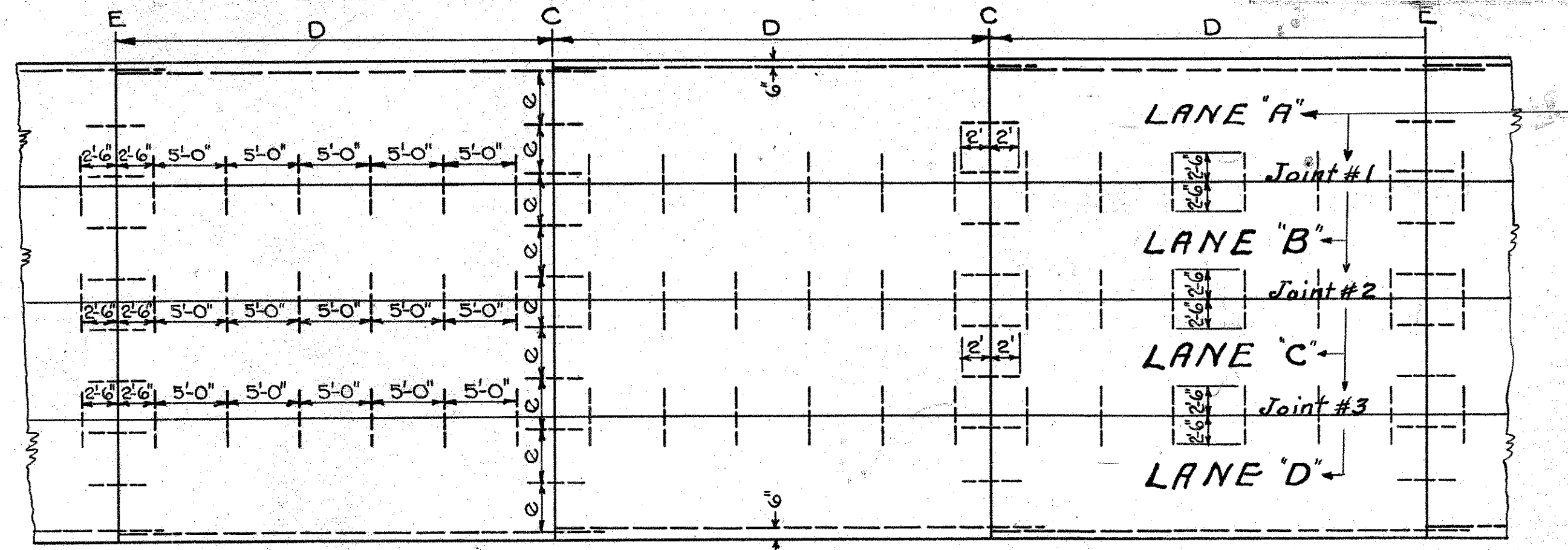


Portion to be improved
Improved Roads
Detours shown thus
Length of F.A.P. N.R.H. 581-G Proposal No 1 3.692 Miles
Length of F.A.P. N.R.M. 581-H Proposal No 2 0.373
TOTAL LENGTH 4.065

S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY

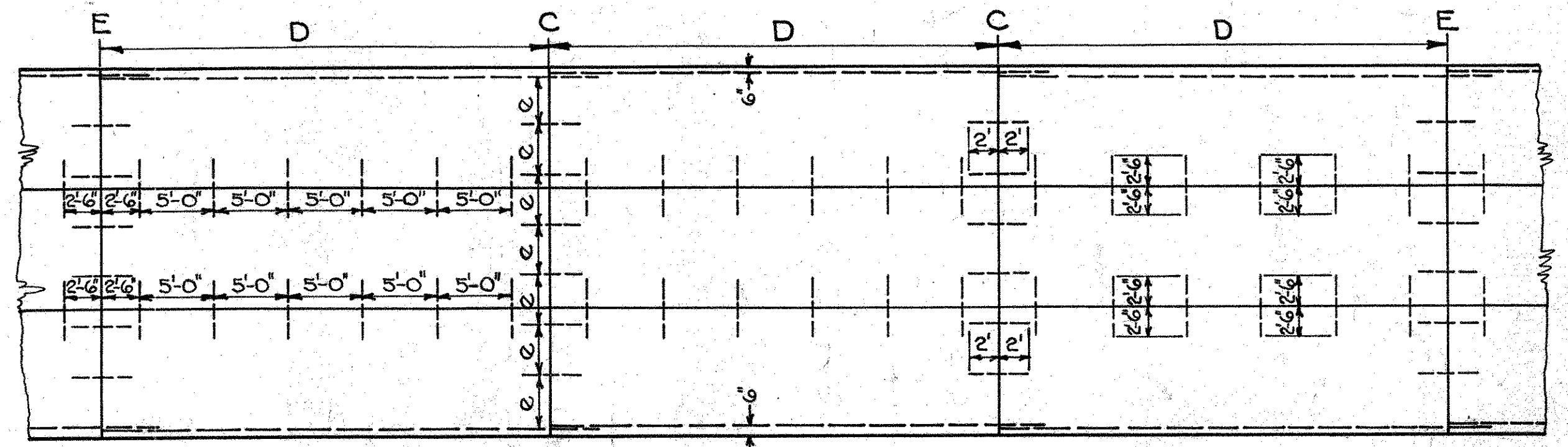
GENERAL NOTES

41' PAV'T.
DETAIL OF LONGITUDINAL & TRANSVERSE JTS.



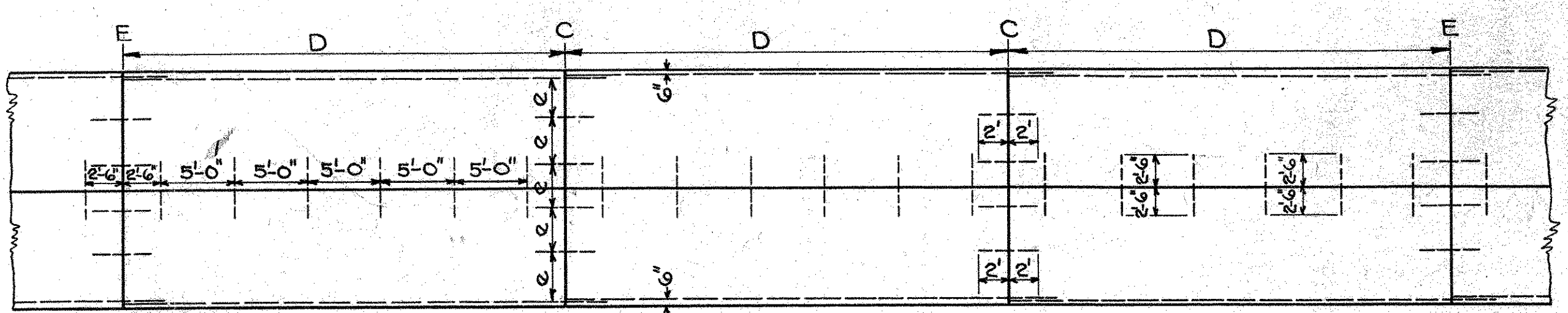
E = Expansion $e = 4'-5\frac{3}{8}"$ C = Contraction
D = 30' for gravel aggregate D = 40' for stone or slag aggregate
Ratio of "C" joints to "E" joints shall be as per specifications

30'-6" PAV'T.
DETAIL OF LONGITUDINAL & TRANSVERSE JTS.



E = Expansion $e = 4'-2\frac{5}{8}"$ C = Contraction
D = 30' for gravel aggregate D = 40' for stone or slag aggregate
Ratio of "C" joints to "E" joints shall be as per specifications

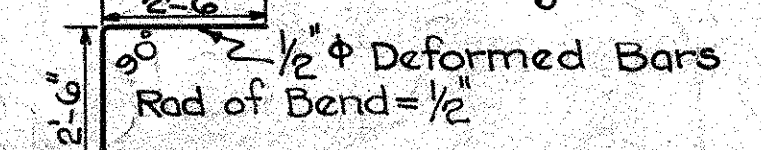
20'-0" PAV'T.
DETAIL OF LONGITUDINAL & TRANSVERSE JT.



E = Expansion $e = 3'-9\frac{3}{8}"$ C = Contraction
D = 30' for gravel aggregate D = 40' for stone or slag aggregate
Ratio of "C" joints to "E" joints shall be as per specifications

LONGITUDINAL JOINT NO. T-70-J

In case Std. Dwg. No. T-70-J is used, the Contractor may remove one center joint plate after key is formed and providing the pavement is placed in 10ft. lanes. The Contractor may use other methods for forming key than the metal joint if approved by the Engineer. The longitudinal joint No. T-70-J shall be placed prior to the pouring of the first half of the slab and one-half of the dowels shall extend into the slab, the other half shall rest in the groove of the joint No. T-70-J. The dowels shall be bent as shown below before being delivered to the job



JOINT CONSTRUCTION

If Lanes A & B are constructed in one operation Joint #1 to be impressed and Joint #2 to be Metal Center. If Lanes C & D are constructed in one operation Joint #3 to be impressed and Joint #2 to be Metal Center. If Lanes B & C are constructed in one operation, Joint #2 to be impressed and Joints #1 & #3 to be Metal Center. If any Lane is constructed separately the adjoining Joints to be Metal Center.

PIPE REMOVAL

Removal of existing pipe, unless otherwise noted, is included for payment with excavation. Pipe removed shall be neatly piled on the Right of Way at the disposal of the State Highway Maintenance Forces.

REMOVAL OF EXISTING PAV'T.

Any Existing Pavement that is to be removed is included for payment in the price bid per cu. yd. of Roadway Excavation and if used as embankment shall be broken up as follows: - No pieces of old concrete having a dimension greater than six inches will be permitted within six inches of the finished surface of the sub-grade or shoulders.

DRIVEWAY CULVERTS & PIPE UNDERDRAIN

On all Private Drive Culverts and Lines of Pipe Underdrain ending with Concrete Headwalls, the Contractor shall place dry rock rip-rap in a manner satisfactory to the Engineer, on the slopes adjacent to the end of the pipe. Payment for same to be included in the price bid per lin. ft. of pipe

CIRCULAR CURBS

Type I Modified Curb shall be used in place of Type III Modified Curb around all radii at Intersections or as directed by the Engineer and as shown on detailed plans of intersections. Circular Curbs are measured along the back of the Curb

6" CONCRETE DRIVEWAYS ITEM T-10

The price bid per sq. yd. for 6" Conc. Driveways is to include the cost of removing any existing Driveway pavement and the necessary excavation and backfill.

4" CONCRETE WALKS

The price bid per sq. ft. of 4" Concrete Sidewalk is to include the cost of removing any existing concrete walk, the necessary excavation and backfill and 5" Gravel Sub-drainage Item I-13.07 of the specifications. No. 46 Aggregate allowed for private walks to Residence Property shall be placed as directed by the Engineer.

GRADES

Special care must be used in setting Inlet grades and the finishing of the gutters to insure proper drainage of the pavement.

SODDING ITEM I-16

Where sod is to be placed the surface shall be covered with not less than 3" inches of Top Soil in accordance with Item I-16.03 of the specifications. All sod shall be maintained for a period of 60 days after the placing of same in accordance with Item I-16.04 of the specifications

STORM SEWER JOINTS

All joints for Storm Sewer shall be cemented as specified under Item I-2.04. The joint shall be protected from slipping or being otherwise injured until the mortar has attained its initial set.

PREMOULDED EXPANSION JOINT

Where Pre-moulded Expansion Joint is used, the section thru the curb and pav't. shall be cut in one piece to the contour of the curb and pav't. less 1/2 inch and shall have a minimum length of 5'-0"

EXCAVATION IN ROCK
All excavation is to be unclassified on this project. Where rock is encountered, payment is to be included in the price bid per cu. yd. for excavation unclassified and in the price bid per lin. ft. for Pipe Underdrain and Storm Sewer

SPECIAL REINF. CURB
Where Special Reinf. Curb occurs curb is to be poured after pavement has set. Included for payment with Type III Mod. Integral Conc. Curb.

EXISTING MACADAM PAVEMENT
The entire macadam pavement shall be thoroughly scarified and leveled off so as to form a porous sub-base before any material is placed upon it. Payment for the above item is to be included in the price bid per sq. yd. of pavement.

GAS MAINS
All work pertaining to Gas Mains and services necessitated by this improvement is to be done by and at the expense of The Dayton Power & Light Co.

DISPOSAL OF WASTE
Part of the waste will be used to widen the shoulders as shown by dashed lines on the cross sections, providing the right of way is available.

The remaining portion, not to exceed 18,000 Cu. Yds. is to be hauled to Sta. 28, Sec. M, N, & O on the Dayton-Eaton Road, old F.A.P. #56, and used to widen existing berms, which are narrow and need widening badly. That portion of the waste to be hauled to old F.A.P. #56 shall be dumped by the contractor at the direction of the engineer and will then be spread and shaped by the State Maintenance Forces. Maximum haul = 15 Miles.

TRAFFIC AT INTERSECTIONS
Traffic is to be maintained at all times at all intersections. This may be done either by bridging, by using High Early Strength Cement, or by part at a time construction. Payment for the above item is to be included in the price bid per sq. yd. for concrete pavement.

NOTE:
Where pavement is poured part at a time the longitudinal joint shall be filled with F-1 Filler as directed. Payment to be included in unit price bid per sq. yd. of concrete pavement.

EQUIPMENT REQUIRED
Unless otherwise permitted by the Engineer the Contractor must have the following equipment on the job before work is started: - Adequate Pumps - Steel Forms - Concrete Mixer of Approved Type - Finishing Machine of Approved Type - Ten Ton Power driven Roller - Excavating and Hauling equipment suitable to Engineer - Pneumatic Tamper and Air Compressor - Burlap and Canvas - Small Tools.

GRADE LINE FOR EQUAL YARDAGE

20'-0" PAVEMENT
The yardage quantities for this project from Sta 0+00 to Sta 60+04.29, Sta 60+53.40 to Sta 80+02.02, Sta 80+69.18 to Sta 139+79.80 are calculated using a theoretical section 20' wide 8" thick 2" crown and 8' berms as shown on sheet No. 3

To maintain the same yardage and substitute a 9'-7'-9" Conc. Pav't. 20' wide 1 1/4" crown, and 8' berms the profile grade should be lowered 0.08'

30'-6" PAVEMENT
The yardage quantities for this project from Sta 139+79.80 to Sta 155+34.26 are calculated using a theoretical section 30'-6" wide 8" thick 4 1/4" crown on Rt. 1 3/4" crown on Lt. with Mod. Type III 4" Integral Curb on Rt. and 8' berms as shown on sheet No. 4.

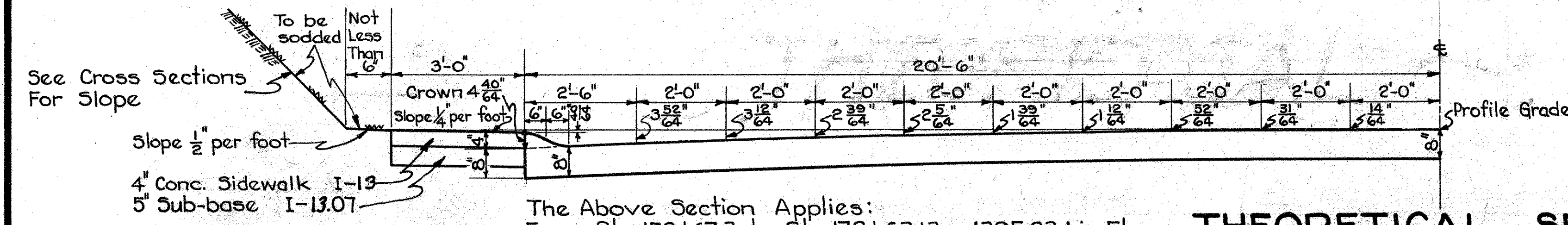
To maintain the same yardage and substitute a 9'-7'-9" Conc. Pav't. 30'-6" wide with Mod. Type III 4" Integral Conc. Curb on Rt. 3 3/4" crown on Rt. 1 3/4" crown on Lt. and 8' berms, the profile grade should be lowered 0.08'

41'-0" PAVEMENT
The yardage quantities for this project from Sta 155+34.26 to Sta 192+84 are calculated using a theoretical section 41' wide 8" thick 4 1/4" crown with Mod. Type III 4" Integral Curbs on both sides and 8' berms as shown on sheet No. 4

To maintain the same yardage and substitute a 9'-7'-9" Conc. Pav't. 41' wide, with Mod. Type III 4" Integral Conc. Curbs on both sides, 3 3/4" crown and 8' berms, the profile grade should be lowered 0.09'

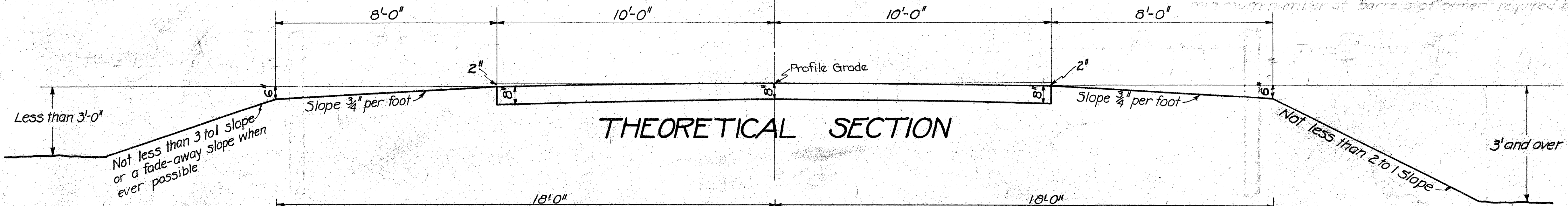
For Additional Notes See Next Sheet.

SH65 SEC. B, PART C
MONTGOMERY COUNTY

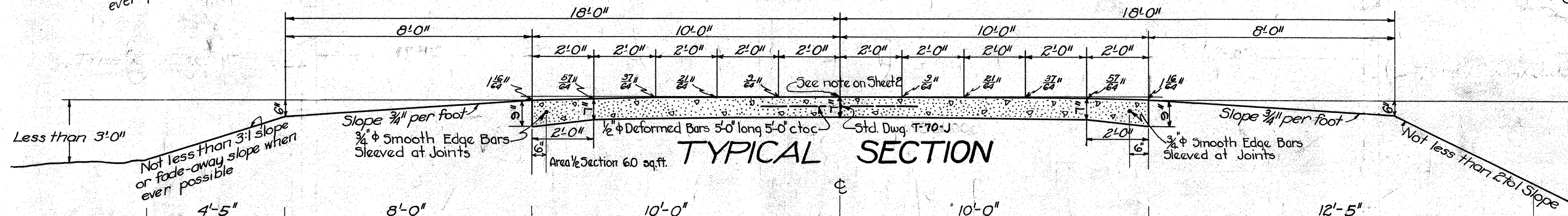


The Above Section Applies:
From Sta 158+61.3 to Sta 172+63.13 = 1395.83 Lin. Ft.

THEORETICAL SECTION

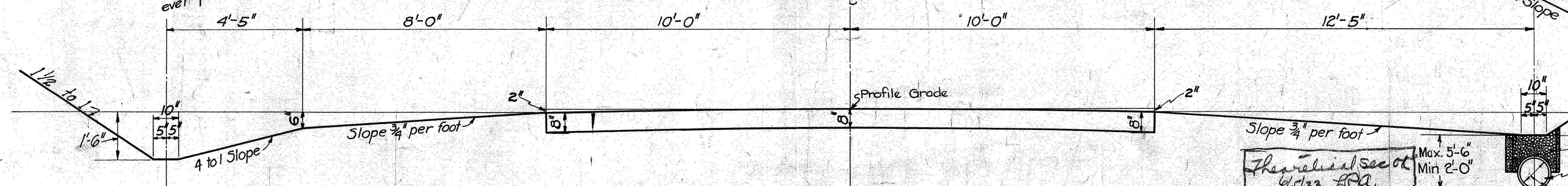


THEORETICAL SECTION



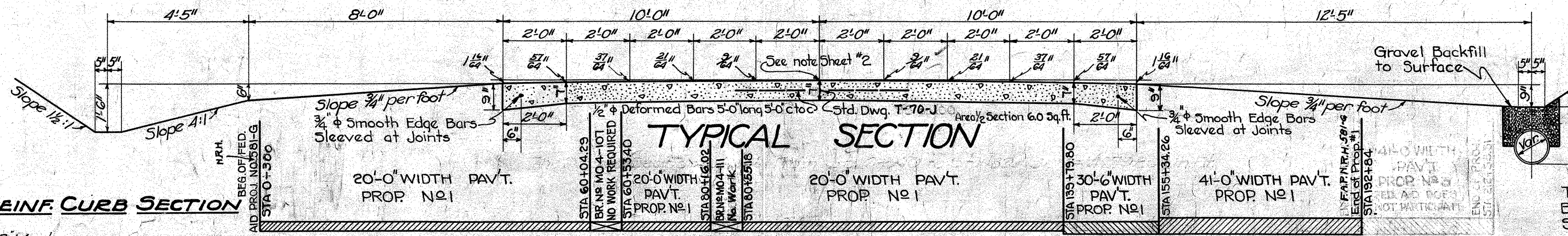
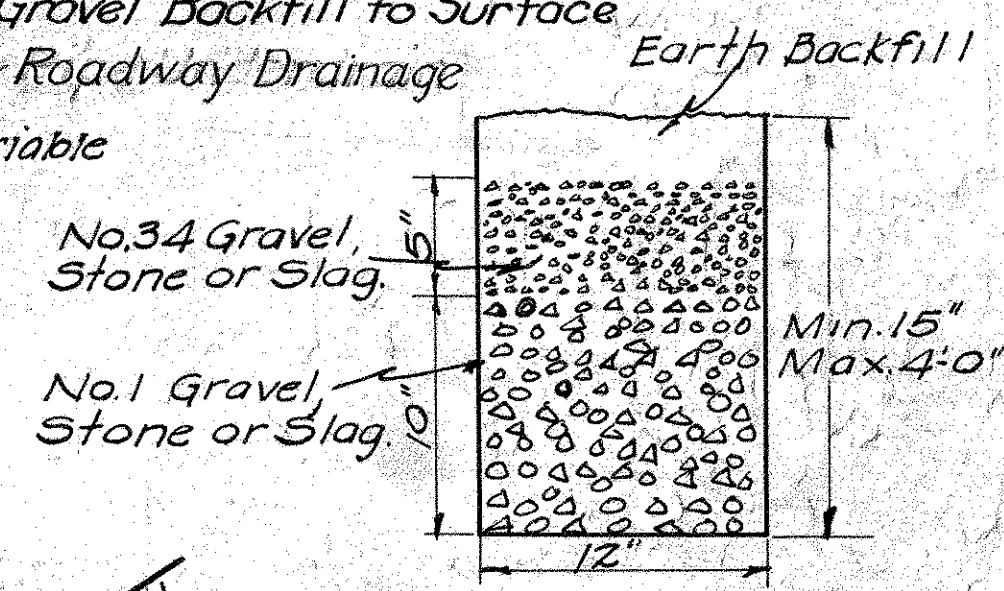
TYPICAL SECTION

Note:~
Construction Jt. No. 1705 to be placed at intersections and approaches where specified by the Engineer.
Payment to be included in the price bid per sq. yd. for Pavement.



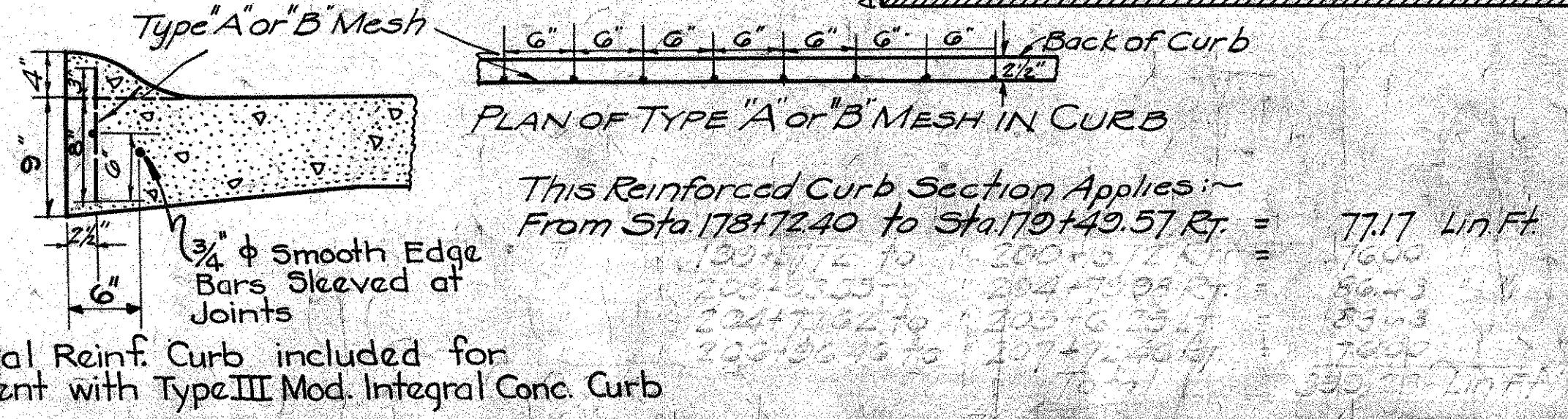
THEORETICAL SECTION

Scale 1/2"=1'-0"



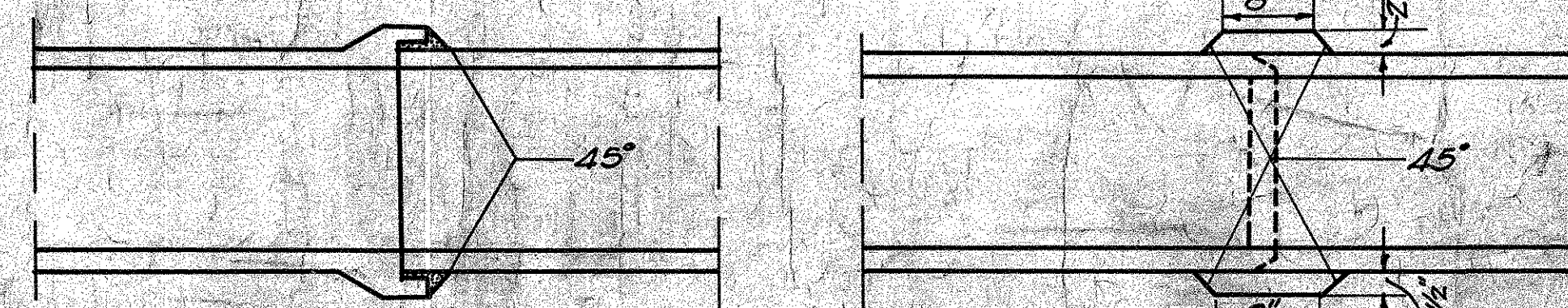
TYPICAL SECTION

SPECIAL REINF. CURB SECTION



BELL & SPIGOT JOINT

MODIFIED JOINT



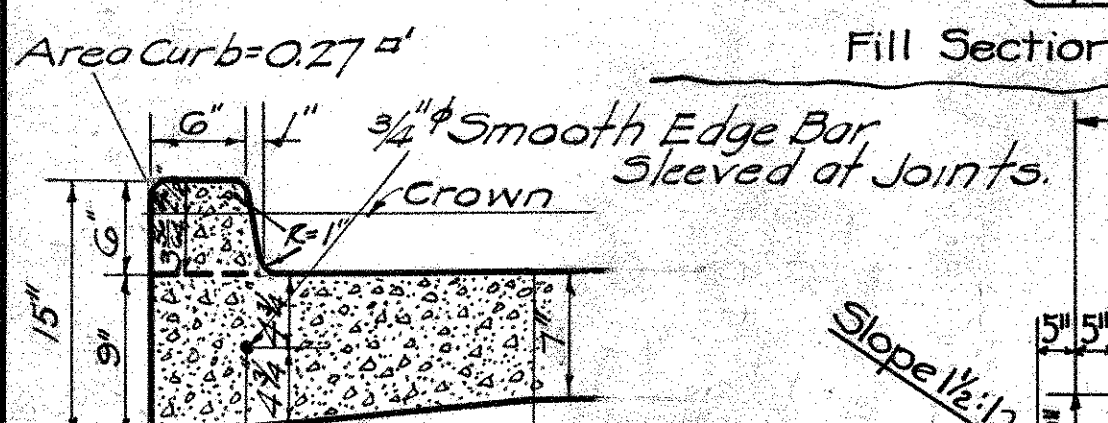
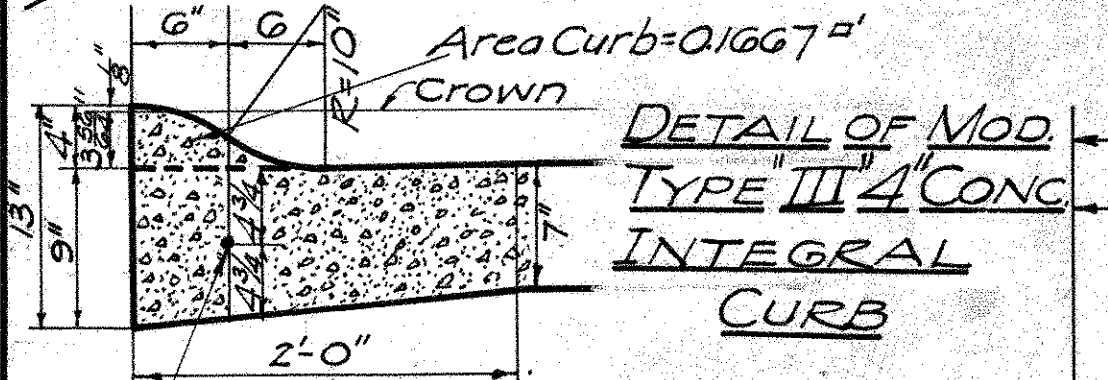
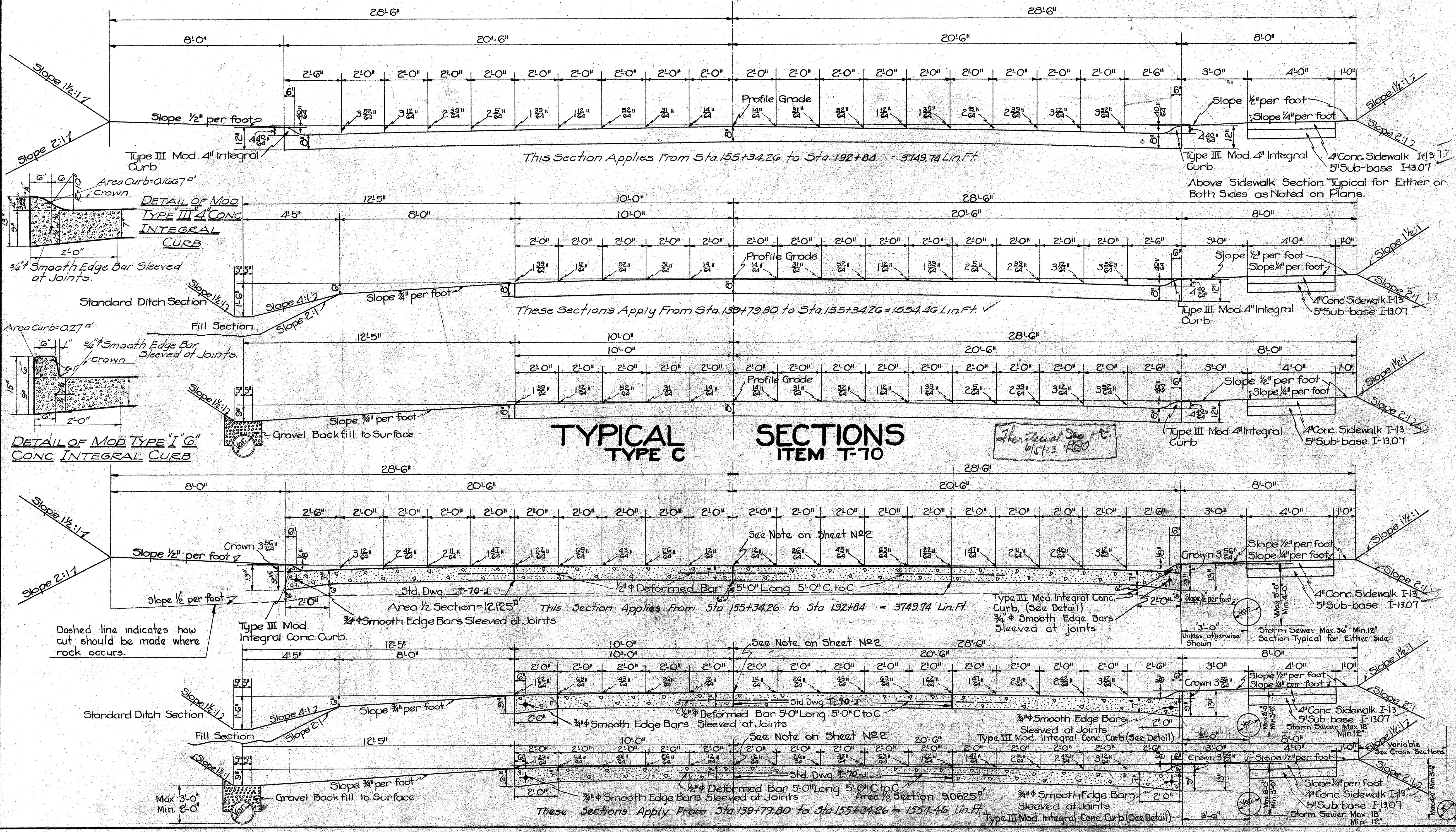
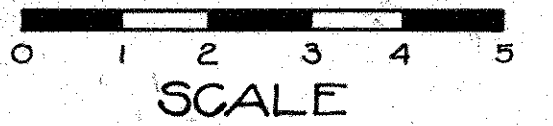
Whenever Conc. Pipe is used for Storm Sewer or as an Alternate for V.S.P. (Enc.), the Joints shall be cemented as shown in the pertinent accompanying sketch. All joints of Storm Sewer to be cemented.

The Above 20'-0" Width Sections Apply Between the Following Stations:
Sta 0+00 to 60+04.29 = 6004.29 Lin. Ft.
Bridge
Sta 60+53.40 to 80+02.02 = 1948.62 Lin. Ft.
Bridge
Sta 80+69.18 to 139+79.80 = 5910.62 Lin. Ft.
Total 13863.53 Lin. Ft.

THEORETICAL SECTIONS

FED. AID DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	361-2	1933

SH.65 SEC. B, PART C
MONTGOMERY COUNTY



Dashed line indicates how cut should be made where rock occurs.

Max 3'-0"
Min. 2'-0"

Storm Sewer Max. 36" Min. 12"
Section Typical for Either Side

Storm Sewer Max. 18" Min. 12"

Storm Sewer Max. 18" Min. 12"

Max. 40" Min. 36"

5H.65 SEC. B, PART C
MONTGOMERY COUNTY

ROADWAY DRAINAGE

Station	Side	V.S.P. M-6.8(a) P.C.P. M-6.5 Dr. Tile M-6.7(b) Lin. Ft.	Corr. M.P. M-6.4 Lin. Ft.	Headwalls Std. Dwg. Exc. Steel Conc. 1-5% Each	Std. No. 1 Inlets	Std. No. 2 Catch Basins			
3+14	Rt.					1			
3+15 to 4+10	"	134				1			
4+50	"					1			
4+51 to 4+75	"		24						
4+75 to 6+01	"	126		2.0 20 0.7					
9+39 to 9+63	"		24						
9+63 to 10+21	"	58		2.0 20 0.7					
13+00	"					1			
13+01 to 13+15	"	18							
13+15 to 13+21	"	40	22						
13+21 to 13+30	"								
14+51 to 14+75	"		22						
14+75 to 15+41	"	66							
15+42	"					1			
15+43 to 16+39	"	96							
17+30.5 to 17+54.5	"		24						
17+55.5	"					1			
17+56.5 to 17+94.5	"	38							
17+95.5	"					1			
18+11	Lt.								
12+12 to 12+34	"		22						
12+34 to 14+10	"		176						
14+11	"					1			
14+12 to 14+36	"		24						
14+36 to 15+60	"		64						
15+01	"					1			
15+02 to 15+48	"		46						
15+48 to 16+42	"		94						
16+43	"					1			
16+44 to 16+68	"		24						
18+68 to 18+88	"		20						
18+89	"					1			
18+90 to 19+00	"		10						
Total		370	298,334,106	46	92	40	14	3	9

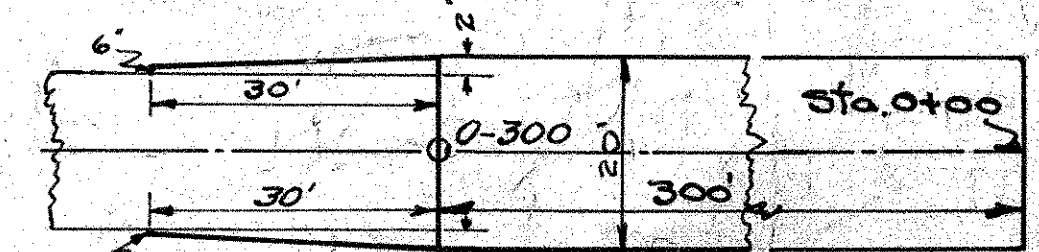
REMOVE EXISTING PIPE

Existing Pipe in poor condition. Payment for removal to be included in price per cu. yd. of Roadway Excavation.

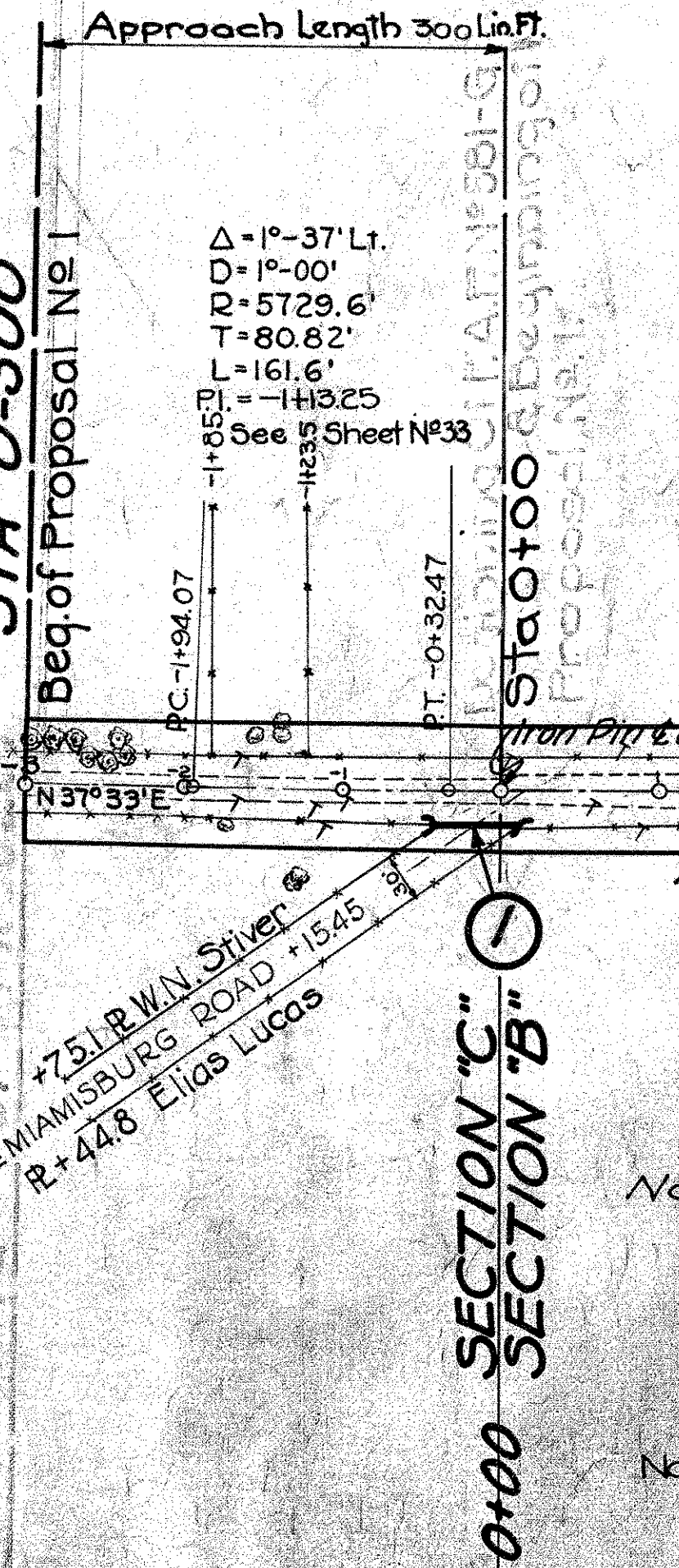
Stations	Side	V.S.P. Lin. Ft.	Conc. Lin. Ft.	Wood Lin. Ft.	Head- Walls Each		
4+32 to 5+98	Rt.	166					
9+42 to 9+68	Rt.			26			
12+16 to 12+32	Lt.		16				
13+12 to 14+76	Rt.	164					
14+20 to 14+30	Lt.		10				
15+16 to 15+48	Lt.		32		2		
15+41 to 16+33	Rt.	92					
17+33 to 17+91	Rt.	58					
18+51 to 18+65	Lt.	14					
Totals		166	328	26	32	26	2

CONNECTIONS OF EXISTING FIELD DRAINS TO NEW UNDER DRAIN

Station	Side	Field Tile		
		3" Each	4" Each	6" Each
4+04	Rt.	1	1	
4+18	Rt.		1	
15+05	Lt.		1	1
5+92	Rt.	1		
10+07	Rt.			1
16+44	Lt.	2		
18+47	Lt.	1		
Total		4	3	2



Approach & Flores Sta. 0+300 to 0+00
Extra Pav't Item No. 7 TO 675.05 cu. Yds.
Finishing Shoulders, Slopes & Ditches (Both Sides) 330.0 Lin. Ft.



Note:
Removing Exist. 16 Ft. Conc. Pav't from Sta. 0-300 to 0+00 included for Payment in unit price bid for Roadway Excavation
Pav't removed to be hauled to Br. No. MO 4-11 Sta. 80+35.65 and placed on the banks and channel as directed by the Engr. Payment incl. with Rawy. Exc.

Note:
All Elevations shown are taken from U.S.G.S. Datum Plane

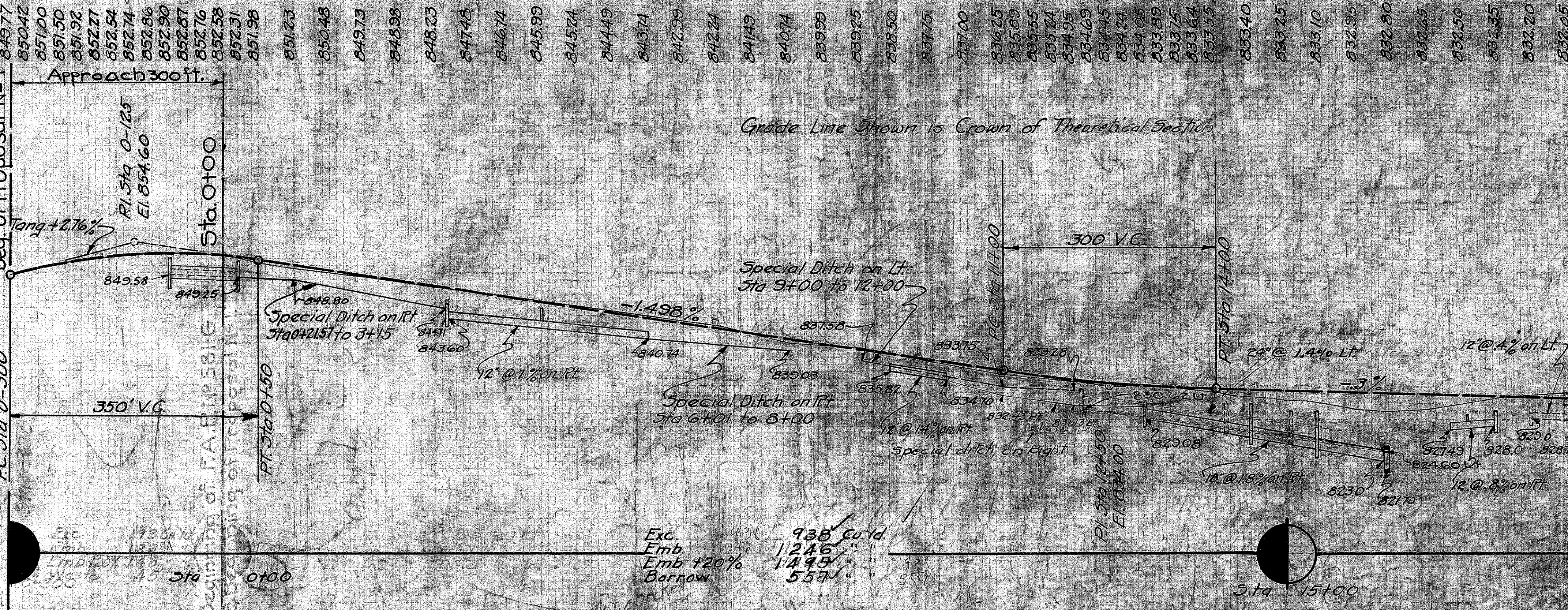
TRENCH REINF. ITEM 1-7

Station	No. Bars	Size	Length	Weight
16+44	39	5/8"	12'-0"	450

BENCH MARKS

Station	Side	Elev.	Description
0+125	60' Rt.	853.06	Spike in 18" hackberry tree
9+75	50' Rt.	840.19	S.W. Corner lower step of concrete porch steps
15+42	Lt.	834.16	N.E. Corner of lower step of concrete porch steps

FOR CURVE DATA SEE SHEET NO. 36



PRIVATE DRIVES & ROAD APPROACHES

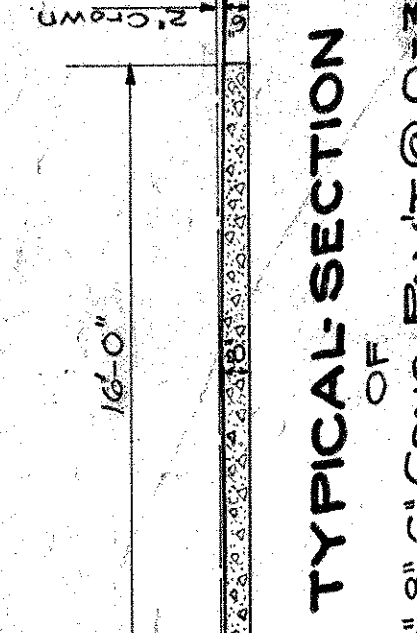
Station	Side	No. 16 Aggr. gate Cu. Yds.	Extra Pav't 12" 18" 24" 30" 36" 42" 48" 54" 60" 66" 72" 78" 84" 90" 96" 102" 108" 114" 120" 126" 132" 138" 144" 150" 156" 162" 168" 174" 180" 186" 192" 198" 204" 210" 216" 222" 228" 234" 240" 246" 252" 258" 264" 270" 276" 282" 288" 294" 300" 306" 312" 318" 324" 330" 336" 342" 348" 354" 360" 366" 372" 378" 384" 390" 396" 402" 408" 414" 420" 426" 432" 438" 444" 450" 456" 462" 468" 474" 480" 486" 492" 498" 504" 510" 516" 522" 528" 534" 540" 546" 552" 558" 564" 570" 576" 582" 588" 594" 600" 606" 612" 618" 624" 630" 636" 642" 648" 654" 660" 666" 672" 678" 684" 690" 696" 702" 708" 714" 720" 726" 732" 738" 744" 750" 756" 762" 768" 774" 780" 786" 792" 798" 804" 810" 816" 822" 828" 834" 840" 846" 852" 858" 864" 870" 876" 882" 888" 894" 900" 906" 912" 918" 924" 930" 936" 942" 948" 954" 960" 966" 972" 978" 984" 990" 996" 1002	Remarks
0+154.5	Rt.	4	2693	See Sheet No. 49
4+64	Rt.	4	217	" " " " " 34
9+52	Rt.	4	217	" " " " " 34
12+24	Lt.	5		See Typ. Dr. No. 3 Sheet No. 34
14+25	Lt.	5		" " " " " 34
14+64	Rt.	4	217	See Sheet No. 35
15+46	Lt.	15	322	" " " " " 36
17+41.5	Rt.	7	778	" " " " " 36
18+57	Lt.	5		See Typ. Dr. No. 3 Sheet No. 34
13+90	Rt.	5		" " " " " 34
Total		48	2693	959

STRUCTURES UNDER 20' SPAN

No.	Station	Type	Size	Length	Remarks
1	0+154.5 Rt.	Sp. V. 5' Planes	5' R. C. V. 12"	100'-0"	Build new
2	16+44.0	Sp. Conc. Box	5'-0" X 3'-0"	77'-0"	Remove top of existing 14'-0" X 23'-6" Stone & Conc. Box. Build new concrete box.

CONC. SIDEWALKS & STEPS

Station	Side	4" Conc. walk 1.5" Mix	Conc. Steps 1.5" Mix 0 1/2" Tread 1 1/2" Rise	See Sheet No.	No. 46 Aggr. Cu. Yds.
5+27	Rt.	3	3	54	
15+63	Rt.	2	8	54	1
Totals		5	3	8	2



TYPICAL SECTION OF EXIST. 6'-8" CONC. PAV'T @ 0+300.

Beginning of F.A.P. No. NRH. 581-G STA 0-300

Beginning of F.A.P. No. NRH. 581-G STA 0-300

849.77	850.42	851.00	851.50	851.92	852.27	852.54	852.74	852.86	852.90	852.67	852.76	852.58	852.31	851.98	851.23	850.48	849.73	848.98	848.23	847.48	846.74	845.99	845.24	844.49	843.74	842.99	842.24	841.49	840.74	839.99	839.25	838.50	837.75	837.00	836.25	835.89	835.55	835.24	834.95	834.69	834.45	834.24	834.05	833.89	833.75	833.64	833.55	833.40	833.25	833.10	832.95	832.80	832.65	832.50	832.35	832.20	832.05
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849.77	850.91	851.80	852.36	852.75	852.75	852.67	851.30	850.53	849.89	849.25	848.54	847.83	847.25	846.67	846.00	845.34	844.59	843.85	843.16	842.48	841.76	841.05	840.17	839.30	838.36	837.35	836.47	835.20	833.25	831.50	829.46	827.05	824.05	821.53	819.02	816.49	813.84	811.10	808.32	805.52	802.00	798.55	795.03	791.56	788.04	784.56	781.05	777.52	774.00	770.52	767.00	763.55	760.03	756.56	753.06	749.56	746.06	742.56	739.06
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SH.65 SEC. B. PART C
MONTGOMERY COUNTY

TYPE "B" GUARD RAIL

Station	Side	Lin. Ft.
50+33 to 50+41	Lt.	8
50+41 to 50+49	Rt.	8
50+49 to 50+57	Lt.	8
50+57 to 50+65	Rt.	8
50+65 to 50+73	Lt.	8
50+73 to 50+81	Rt.	8

CONNECTIONS OF EXISTING UNDERDRAIN TO NEW UNDERDRAIN

Station	Side	Connection Each Conc.
52+40	Lt.	1

REMOVE EXISTING PIPE

Existing pipe in poor condition. Payment for removal to be included in price per cu. yd. of Roadway Excavation

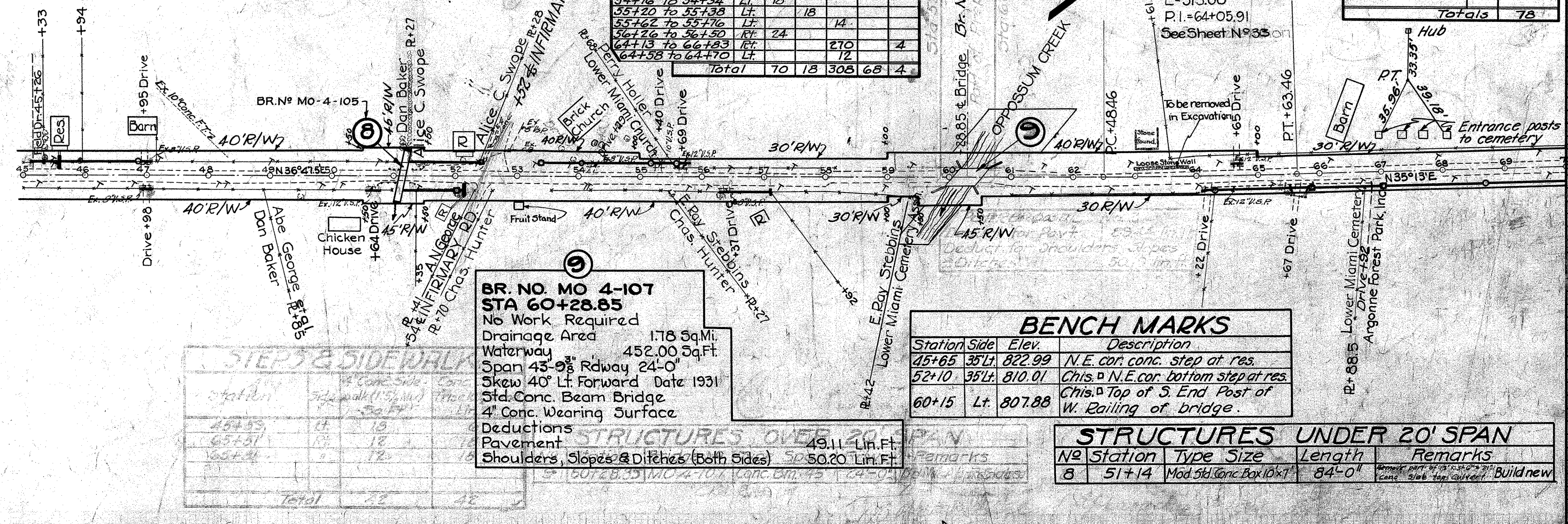
Stations	Side	V.S.P. Lin. Ft.	Conc. Head Lin. Ft.	walls
46+59 to 47+03	Lt.	14		
46+92 to 47+06	Rt.	14		
50+58 to 50+70	Rt.		12	
51+73 to 52+41	Lt.			68
54+16 to 54+34	Lt.	18		
55+20 to 55+38	Lt.	18		
55+42 to 55+76	Lt.		14	
56+26 to 56+50	Rt.	24		
64+13 to 64+53	Rt.		270	4
64+58 to 64+70	Lt.		12	
Total		70	18	308 68 4

REMOVE & HAUL TO STATE HIGHWAY GARBAGE IN DAYTON THE FOLLOWING TYPE "B" GUARD RAIL

Stations	Side	Lin. Ft.
50+92 to 51+04	Lt.	12
51+24 to 51+50	"	26
50+72 to 51+04	Rt.	32
51+24 to 51+32	"	8
Totals		78

ROADWAY DRAINAGE

Stations	Side	V.S.P. M-6.8(6) P.C. M-6.5 Dr. Tile M-6.7(6) Lin. Ft.	Corr. M.P. M-6.4 Lin. Ft.	Headwalls Exc. Steel Conc. 1-5% Cu. Yds	Std. No. Inlets Each	Std. No. C.B. 5' 10" 12" Ea.
45+36 to 46+80	Lt.					
46+81	"	144				
46+82 to 47+06	"		24			
51+25 to 52+35	"	110				
52+36	"					
53+37	"					
53+38 to 54+26	"	88				
54+27	"					
54+28 to 54+68	"		40			
54+69 to 54+92	"	24				
54+93	"					
54+94 to 55+38	"		44			
55+39 to 55+54	"	16				
55+55	"					
55+56 to 55+80	"		24			
51+15 to 52+09	Rt.	94				
52+10	"					
56+35 to 56+71	"		36			
56+71 to 57+09	"	38		2.0	20.0	
64+09 to 64+33	"			24		
64+34	"					
64+35 to 65+39	"	104				
65+40 to 65+95	"		56			
65+96	"					
65+97 to 66+81	"	84				
66+81 to 67+05	"		24			
67+06	"					
67+07 to 68+69	"	162				
68+70	"					
68+71 to 70+00	"	129				
45+12 to 45+36	Lt.		24			
Totals		1823	343	11.0	76	220



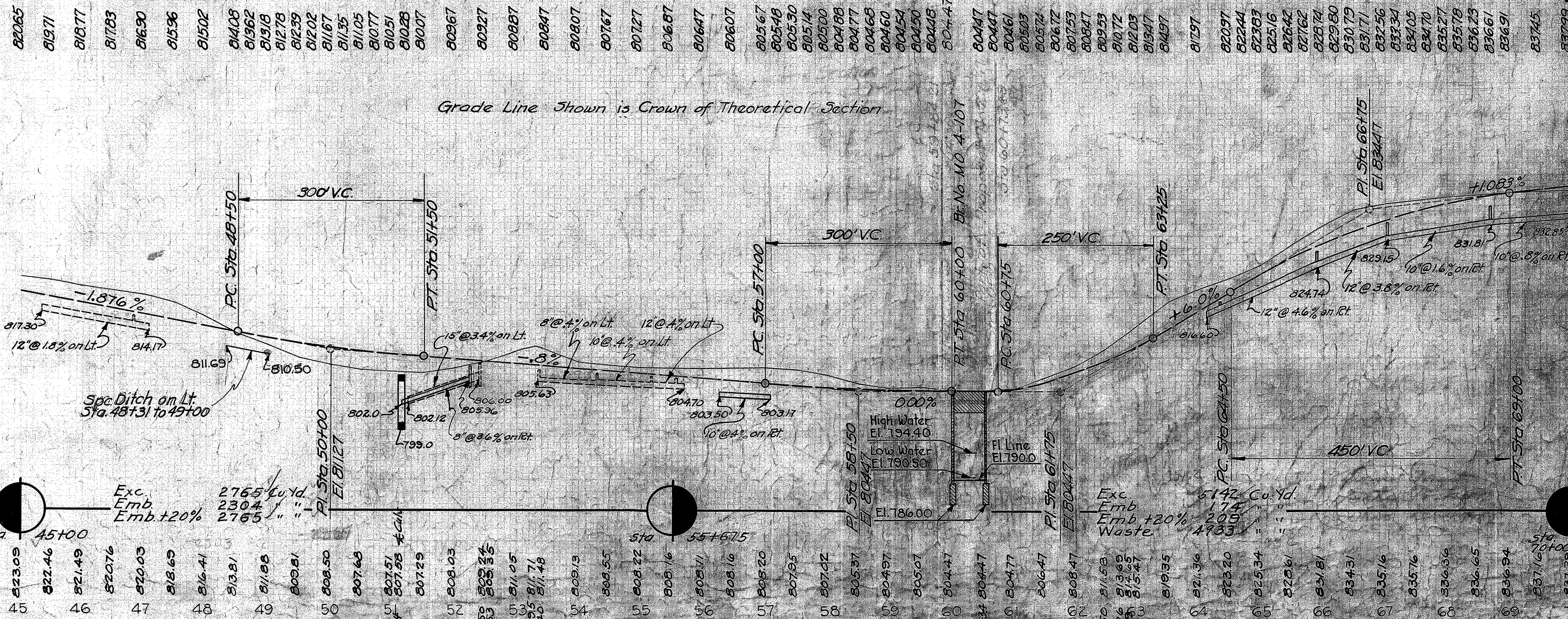
**BR. NO. MO 4-107
STA 60+28.85**
No Work Required
Drainage Area 1.78 Sq. Mi.
Waterway 452.00 Sq. Ft.
Span 43'-9 3/8" Rdway 24'-0"
Skew 40° Lt. Forward Date 1931
Std. Conc. Beam Bridge
4" Conc. Wearing Surface
Deductions
Pavement 49.11 Lin. Ft.
Shoulders, Slopes & Ditches (Both Sides) 50.20 Lin. Ft.

BENCH MARKS

Station	Side	Elev.	Description
45+65	35 Lt.	822.99	N.E. cor. conc. step at res.
52+10	35 Lt.	810.01	Chis. N.E. cor. bottom step at res.
60+15	Lt.	807.88	Chis. Top of S. End Post of W. Railing of bridge.

STRUCTURES UNDER 20' SPAN

No.	Station	Type	Size	Length	Remarks
8	51+14	Mod. Std. Conc. Box	10x7	84'-0"	Build new



PRIVATE DRIVES & ROAD APPROACHES

Station	Side	NP 26 Appr. gate	Cor. M.P. Lin. Ft.	Extra Pav. Item. N° T-10	6 Pavt. Item. N° T-7	Remarks
46+95	Lt.	4		59 yds.	247	See Sheet N° 37
46+99	Rt.	8	24	40.0	10.6	
50+64	Rt.	11	28	170.5	11.38	
52+52	Lt.	4		118.1		
52+54	Rt.	4				
54+29	Lt.	5			30.8	
55+40	Lt.	5			30.8	
55+69	Lt.	7				
56+37	Rt.	5			28.1	
64+22	Rt.	7				
64+65	Lt.	6	24			
65+67	Rt.	12			104.6	
66+92	Lt.	3			22.0	
45+26	Lt.	7				
Totals		92	76	483.6	238.0	

TRENCH REINF. ITEM I-7

Station	No. Bars	Size	Length	Weight Lbs.
51+14	39	5/8" ø	20'-0"	887

CONC. SIDEWALKS & STEPS

Station	Side	4" Conc. Sidewalk 5 1/2" Mix	Conc. Steps 10" Tread 18" Rise 1.5" Mix	Conc. Steps 18" Tread 6" Rise 1.5" Mix	No. 4" Aggr.	See Sheet No.
45+59	Lt.	3	18		1	54
52+15	Rt.	42		3	1	34
65+67 Drive	Rt.	434.2				56
Totals		479.2	18	3	2	

S.H. 65 SEC. B' PART C' MONTGOMERY COUNTY

TRENCH REINF. ITEM I-7

Station	No. Bars	Size	Length	Weight Lbs.
102+00	39	5/8" φ	10'-0"	401
102+14	39	5/8" φ	8'-0"	326
111+97.25	39	5/8" φ	10'-0"	401
Total				1140

CONNECTIONS OF EXISTING FIELD DRAINS TO NEW UNDERDRAIN

Stations	Side	Connections Each		
		Field Tile 4"	8"	Conc. 8"
102+44.2	Rt.			1
104+76.7	Rt.	1		
Totals		1		1

ROADWAY DRAINAGE

Stations	Side	V.S.P. M-68(a) P.C.P. M-6.5 Dr. Tile M-6.7b Lin. Ft.		Corr. I.P. M-6.4 Lin. Ft.	Std. No. 2 Catch Basin Dwg. I-80.8.2 Each
		12"	18"		
102+18.7 to 102+42.7	Rt.		24		
102+43.7	Rt.				1
102+44.7 to 104+72.7	Rt.	228			
104+72.7 to 104+96.7	Rt.			26	
Totals		228	24	26	1

CONC. SIDEWALKS & STEPS

Station	Side	4" Conc. Walk 1-5 1/2 Mix Sq. Ft.	Conc. Steps 1:5 1/2 Mix 10" Tread 1" Rise Lin. Ft.	No. 46 Aggr. Cu. Yds.	See Sheet No.

PRIVATE DR & SIDE ROAD APPR.

Station	Side	No. 46 Corrt. I.P. Aggr. Lin. Ft.	H'd walls Std. Dwg. No. 300 Exc. Steel Conc. 5/8" N° 10 Cu. Yd.	Extra Pavt. Item N° 10 Sq. Yd.	6" Pavt. Item N° 10 Sq. Yd.	Remarks
104+85	Rt.	4				21.7 See Sheet N° 39
110+48.5	Lt.	6	38			32.1 See Sheet N° 42
111+42	Rt.	4	24			21.7 " " 39 & 42
111+58	Lt.	4		193.1		" " 450
111+90	Rt.	5				10.0 Dr. 3 Sheet N° 34
112+80	Lt.	5	38			30.8 See Sheet N° 42
Total		31	36	193.1	188.0	

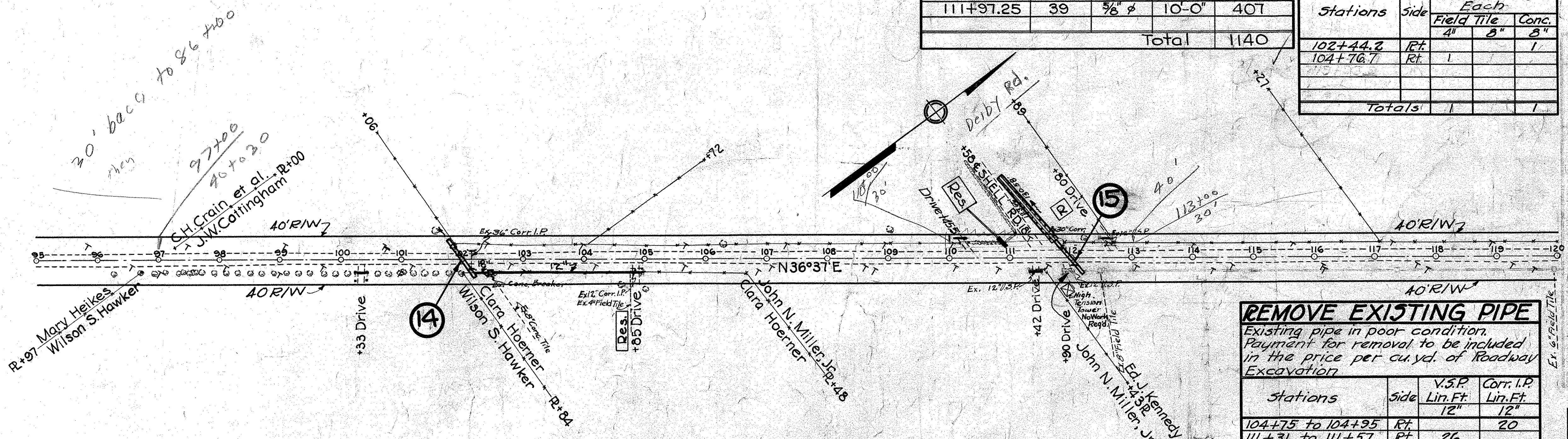
REMOVE EXISTING PIPE

Existing pipe in poor condition. Payment for removal to be included in the price per cu. yd. of Roadway Excavation

Stations	Side	V.S.P. Lin. Ft. 12"	Corr. I.P. Lin. Ft. 12"
104+75 to 104+95	Rt.		20
111+31 to 111+57	Rt.	26	
111+84 to 111+98	"	14	
112+04 to 112+08	Lt.	4	
112+56 to 112+72	"	16	
Totals		60	20

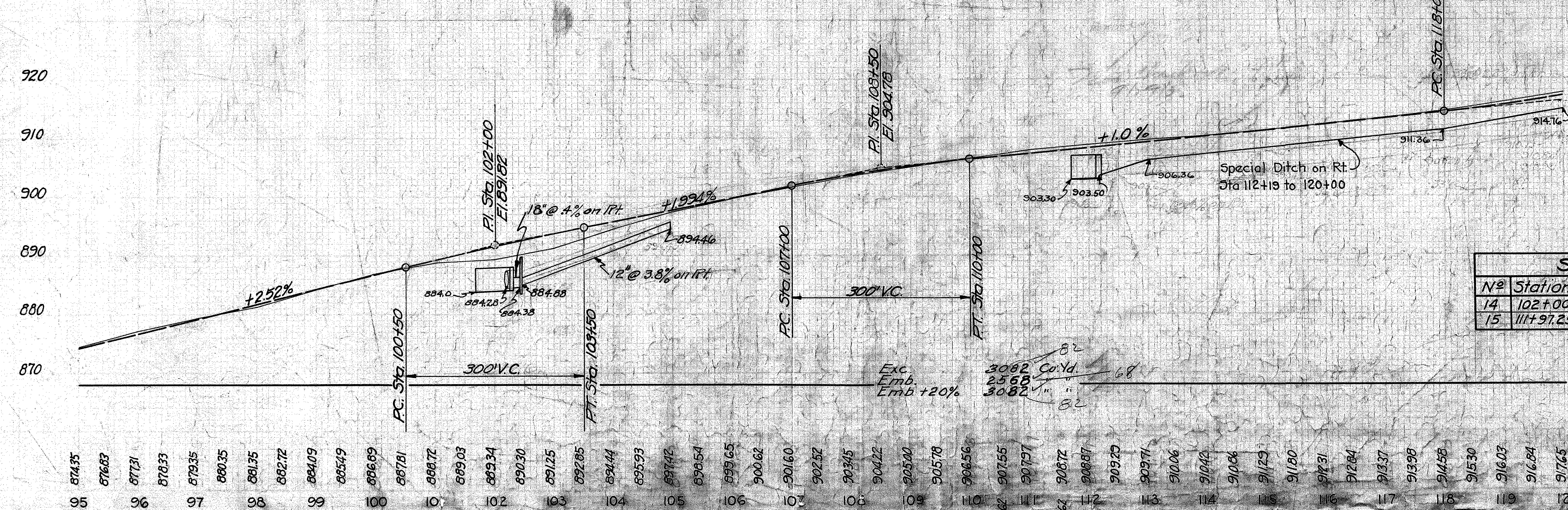
BENCH MARKS

Station	Side	Elev.	Description
93+37	35 Rt.	869.79	Chis. N. end of pump isle at filling station.
104+78	88 Lt.	900.10	Chis. W. coping of steps at residence.
111+12	45 Lt.	909.33	Chis. N.E. cor. top of 12"x12" conc. post.



874.18	875.44	876.70	877.96	879.22	880.48	881.74	883.00	884.26	885.52	886.78	888.04	889.30	890.56	891.82	893.08	894.34	895.60	896.86	898.12	899.38	900.64	901.90	903.16	904.42	905.68	906.94	908.20	909.46	906.78	907.28	907.78	908.28	908.78	909.28	909.78	910.28	910.78	911.28	911.78	912.28	912.78	913.28	913.78	914.28	914.78	915.28	915.78	916.28	916.78	917.18
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Grade Line Shown is Crown of Theoretical Section



STRUCTURES UNDER 20' SPAN

N°	Station	Type Size	Length	Remarks
14	102+00	Sp. Conc. Box 3'x3'	78'-0"	Remove 36" x 28" corr. I.P. 1" cover. Build new
15	111+97.25	Sp. Conc. Box 3'x3'	64'-3 1/8"	Remove 36" x 28" corr. I.P. 1" cover. Build new

SH 65 SEC. B PART C
MONTGOMERY COUNTY

CONC. SIDEWALKS & STEPS

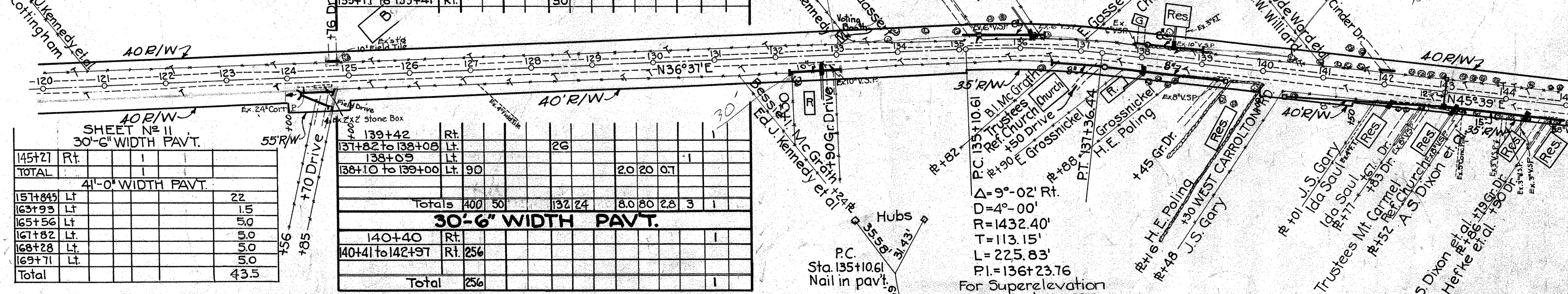
Stations	Side	4" Conc. Walk 1.5% Mix	Conc. Steps 1.5% Mix 10% Tread 1" Rise	No. 4/6 Aggr.	See Sheet No.
20'-0" WIDTH PAVT.					
132+72	Rt.	3	12	1	54
136+14	Lt.	2	2	1	54
138+03	Rt.	3	3	1	54
138+49	Lt.	6		1	54
Totals		14	17	4	
30'-6" WIDTH PAVT.					
40+31.50 to 145+00 =		468.50 lin. ft. Rt.			
Deduct for Private Drives		52.00 lin. ft. 416.50 lin. ft.			
142+29	Rt.	10	2		55
143+29	Rt.	12	2		55
144+31	Rt.	12	2		55
Totals		37	6		

CONNECTIONS OF EXISTING UNDERDRAIN TO NEW STORM SEWER

Station	Side	Field Tile Each	Conc. Pipe 5" Dia	Conc. Gutter 3" x 3" Lin. Ft.
141+90	Rt.	1		
143+35	Rt.	1		
143+56	Rt.	1		
144+04	Rt.	1		
144+25	Rt.	1		
Total		3	1	1

ROADWAY DRAINAGE

Stations	Side	30" V.S.P.	30" R.C.P.M.	Corr. M.P.	Headwalls	Side Inlets	Side C.B.	Side C.B.
20'-0" WIDTH PAVT.								
132+29 to 132+79	Rt.	50			2.0	2.0	0.7	
132+79 to 133+03	Rt.				2.4			
135+01 to 135+37	Lt.				3.6			
135+39 to 136+39	Lt.	100			2.0	2.0	0.7	
136+59 to 137+09	Rt.	46			2.0	2.0	0.7	
137+05 to 137+45	Rt.				4.0			
137+47 to 139+11	Rt.	164						
139+11 to 139+41	Rt.				3.0			
30'-6" WIDTH PAVT.								
139+42 to 137+82	Rt.				2.6			
138+09 to 139+00	Lt.	90			2.0	2.0	0.7	
Totals		400	50		132	24	8.0	8.0
30'-6" WIDTH PAVT.								
140+40 to 140+41	Rt.	256						
Total		256						



SHEET No. 11

Station	Side	41'-0" WIDTH PAVT.	22
151+84	Lt.		22
163+93	Lt.		1.5
165+56	Lt.		5.0
167+82	Lt.		5.0
168+28	Lt.		5.0
169+71	Lt.		5.0
Total			43.5

TRENCH REINF. I-70

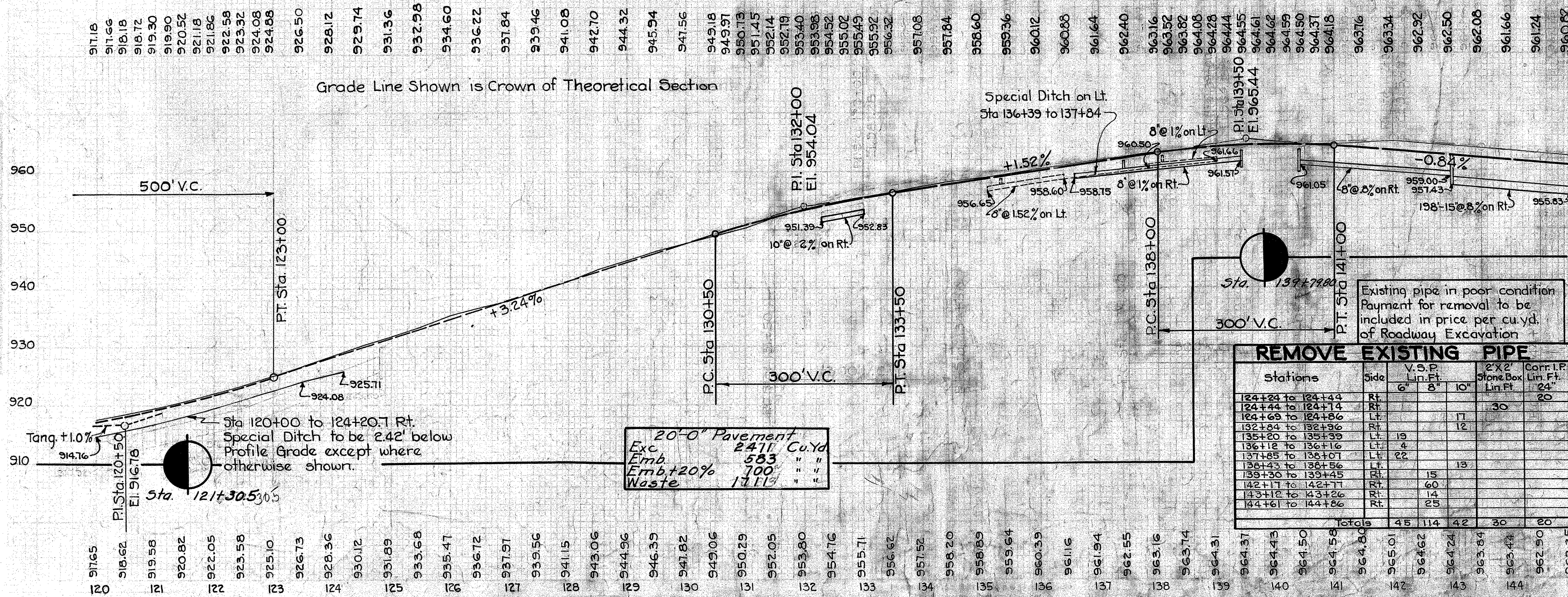
Station	No.	Size	Length	Weight	Lbs
30'-6" WIDTH PAVT.					
143+00	57	5/8"	6'-0"		357

BENCH MARKS

Station	Side	Elev.	Description
124+50	Rt.	933.26	Drift spike in roof of 24' maple
136+80	Rt.	964.32	Chis. N.E. Cor. doorstep of church

PRIVATE DRIVES & ROAD APPROACHES

Station	Side	No. 4/6 Aggr.	Exc. Steel	Exc. Stone	Exc. Concrete	Exc. Gravel	Exc. Lbs.
124+70	Rt.	6					
124+74	Rt.	6					
132+90	Rt.	4					
135+39	Lt.	5					
137+55	Rt.	4					
139+45	Rt.	5					
Total		30					
30'-6" WIDTH PAVT.							
140+30	Rt.	2					
142+22	Lt.	6					
143+29	Rt.	4					
144+31	Rt.	4					
Total		16					



REMOVE EXISTING PIPE

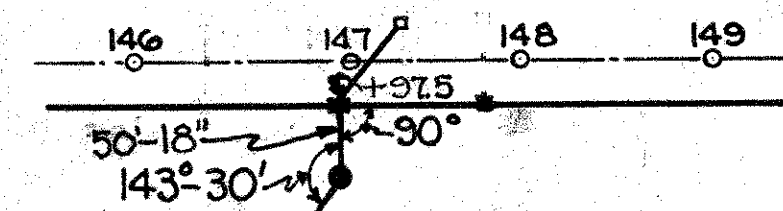
Stations	Side	V.S.P. Lin. Ft.	2'x2' Stone Box Lin. Ft.	Corr. I.P. Lin. Ft.
124+24 to 124+44	Rt.	6'	8'	20'
124+44 to 124+74	Rt.			30'
124+69 to 124+86	Lt.			17'
132+84 to 132+96	Rt.			12'
135+20 to 135+39	Lt.	19'		
136+12 to 136+16	Lt.	4'		
137+55 to 138+10	Lt.	22'		
138+43 to 138+56	Lt.		13'	
139+30 to 139+45	Rt.		15'	
142+17 to 142+77	Rt.		60'	
143+12 to 143+26	Rt.		14'	
144+61 to 144+86	Rt.		25'	
Totals		45'	114'	42'

STORM SEWER

Stations	Side	V.S.P.M-6.4 R.C.P.M-6.6	5fd. Comb. M.H. & Inlet	5fd. No. 2 C.B.
30'-6" WIDTH PAVT.				
142+99.5	Rt.		40.25'	1
142+99.5	Lt.			1
143+02 to 145+00	Rt.	198		
Totals		198	40.25'	2

20'-0" Pavement
Exc. 2411 Cu. Yd
Emb. 583 " "
Emb.+20% 700 " "
Waste 1711 " "

FOR CONNECTIONS OF EXIST. UNDERDRAIN SEE SHEET #10



End of 30'-6" Width Pav't. Sta 155+34.26
Beg. of 41'-0" Width Pav't.

PRIVATE DRIVES & ROAD APPROACHES

30'-6" WIDTH PAV'T

Station	Side	No. Aggr. Gate	Extra Pay. Item No.	Type III Curb Ded.	Type I Curb Add.	Pa. Pav. Item No. T-70	Deduct. for 4" Conc. Sawk. Lin. Ft.	Remarks
146+35	Rt.	2					15.0	See Sheet No. 41
147+65	Rt.	2					48	" " " " 51
149+34	Rt.	2	147.8	79.66	109.93		14.1	" " " " 36
149+64	Lt.	4					21.7	" " " " 44
150+03	Rt.	4					10.6	" " " " 44
150+64.5	Lt.	4					21.7	" " " " 44
150+94	Rt.	2					24.0	" " " " 35
151+03	Rt.	2					10.6	" " " " 34
151+36	Rt.	3					10.6	" " " " 34
152+23	Rt.	3					10.6	" " " " 34
152+73	Rt.	3					10.6	" " " " 34
153+48	Rt.	3					10.6	" " " " 34
153+95	Rt.	2					22.2	" " " " 45
154+08	Rt.	2						" " " " 45
Total		33	147.8	79.66	109.93	171.7	172	

FED. AID DIST. NO. 10 STATE OHIO FED. AID PROJ. NO. 58172 FISCAL YEAR 1933

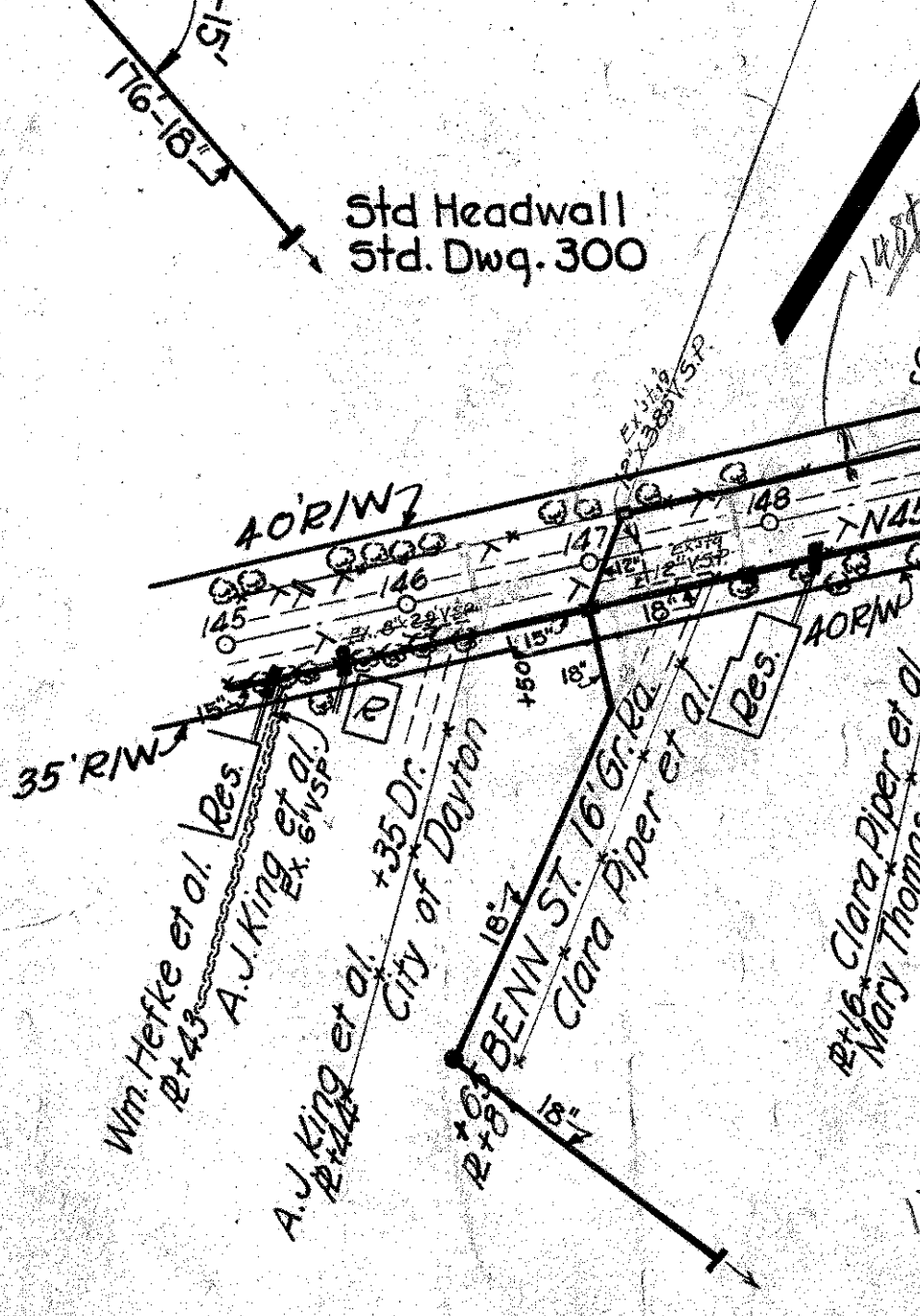
S.H. 65 SEC. B, PART SEC. C, PART DAVENPORT MONTGOMERY COUNTY

STORM SEWER

Stations	Side	V.S.P. M-6.80	V.S.P. M-6.5	Encased Inlets	Std. Comb. Inlets	Std. No. 2 Inlets	Std. No. 2 Inlets	Headwalls
145+00 to 146+35	Rt.							
146+35 to 147+65	Rt.							
147+65 to 149+34	Rt.							
149+34 to 149+64	Lt.							
149+64 to 150+03	Rt.							
150+03 to 150+64.5	Lt.							
150+64.5 to 150+94	Rt.							
150+94 to 151+03	Rt.							
151+03 to 151+36	Rt.							
151+36 to 152+23	Rt.							
152+23 to 152+73	Rt.							
152+73 to 153+48	Rt.							
153+48 to 153+95	Rt.							
153+95 to 154+08	Rt.							
Totals		20	34	1	0	4	2	2

NOTE: For Quantities of SODDING (Item T-16) from Sta 158+67.36 to 170+00 Left See Sheet No. 12

DETAIL OF OUTFALL SEWER STA 146+97.5 RT.



BENCH MARKS

Station	Side	Elev.	Description
148+03	Rt.	960.39	N.E. cor. lower step of conc. steps of Clara Piper's residence.
158+30	Lt.	986.43	Chis. in S.E. cor. of sidewalk at entrance to Soldiers Home.

REMOVE EXISTING PIPE

Stations	Side	Length	Remarks
146+00 to 146+31	Rt.	29	
147+00 to 147+29	Rt.	29	
149+00 to 149+11	Rt.	11	
149+00 to 150+11	Rt.	11	
150+00 to 150+11	Rt.	11	
151+00 to 151+11	Rt.	11	
152+00 to 152+11	Rt.	11	
153+00 to 153+11	Rt.	11	
154+00 to 154+11	Rt.	11	
Totals		110	

41'-0" WIDTH PAV'T

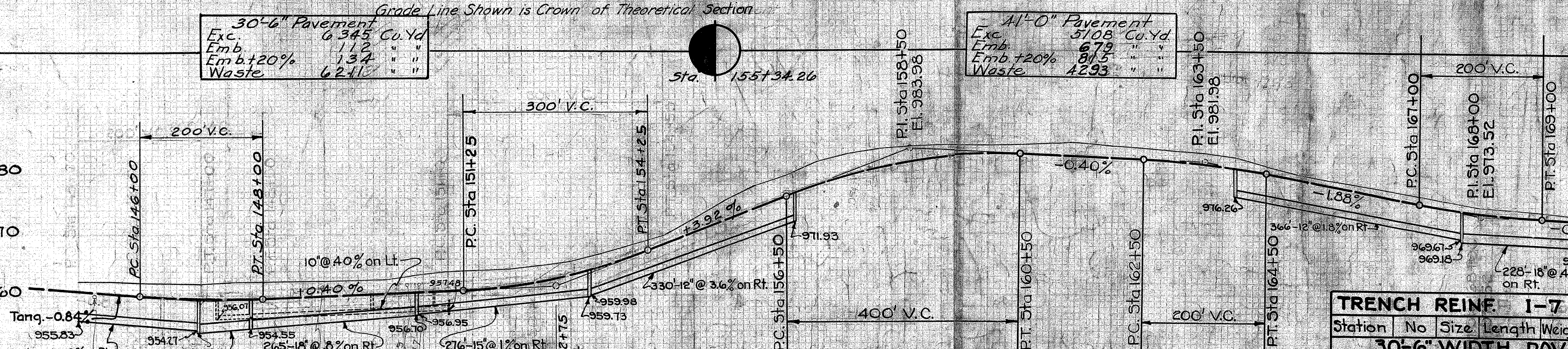
Station	Side	No. Aggr. Gate	Extra Pay. Item No.	Type III Curb Ded.	Type I Curb Add.	Pa. Pav. Item No. T-70	Deduct. for 4" Conc. Sawk. Lin. Ft.	Remarks
155+44	Rt.	3					10.6	See Sheet No. 34
156+20.59	Lt.	2	142.0	106.3	95.5		36.5	" " " " 51
156+22.74	Rt.	2	83.3	64.32	73.55			" " " " 51
157+97	Lt.	2	124.0	103.3	121.63			" " " " 52
161+03	Rt.	3					10.6	" " " " 45
162+13	Rt.	3					10.6	" " " " 45
163+19	Rt.	3					10.6	" " " " 39
167+10	Rt.	3					10.6	" " " " 45
168+13	Rt.	3					10.6	" " " " 45
Total		20	349.3	273.62	290.68		136.6	

CONC. SIDEWALKS

Station	Side	Width	Length	Remarks
145+00 to 146+35	Rt.	3.0	135	
146+35 to 147+65	Rt.	3.0	130	
147+65 to 149+34	Rt.	3.0	169	
149+34 to 149+64	Lt.	3.0	30	
149+64 to 150+03	Rt.	3.0	39	
150+03 to 150+64.5	Lt.	3.0	61.5	
150+64.5 to 150+94	Rt.	3.0	30	
150+94 to 151+03	Rt.	3.0	9	
151+03 to 151+36	Rt.	3.0	33	
151+36 to 152+23	Rt.	3.0	87	
152+23 to 152+73	Rt.	3.0	50	
152+73 to 153+48	Rt.	3.0	75	
153+48 to 153+95	Rt.	3.0	47	
153+95 to 154+08	Rt.	3.0	13	
TOTAL			928	

Grade Line Shown is Crown of Theoretical Section

Station	Side	Elev.	Description
960.82			
960.61			
960.40			
960.19			
959.98			
959.79			
959.64			
959.52			
959.45			
959.41			
959.42			
959.54			
959.64			
959.74			
959.84			
959.94			
960.04			
960.14			
960.24			
960.34			
960.44			
960.54			
960.64			
960.74			
960.84			
960.98			
961.19			
961.47			
961.83			
962.26			
962.76			
963.34			
963.99			
964.71			
965.51			
966.35			
967.32			
968.30			
970.26			
971.24			
972.22			
973.20			
974.18			
975.16			
976.14			
977.09			
977.97			
978.78			
979.52			
980.20			
980.81			
981.35			
982.23			
982.57			
983.04			
983.18			
983.25			
983.25			
983.18			
982.98			
982.78			
982.56			
982.36			
982.26			
982.09			
981.87			
981.81			
981.50			
980.95			
980.55			
980.10			
979.16			
978.22			
977.28			
976.34			
975.40			
974.95			
974.55			
974.20			
973.89			
973.63			
973.41			
973.24			
973.12			
972.92			
972.72			



PROFILE OF OUTFALL SEWER STA 146+97.5 RT.

QUANTITIES ~ 30'-6" PAV'T.

435 lin. ft. 18" V.S.P. M-6.80, P.C.P.M-6.5 or R.C.P.M-6.6
2 Each Std. Manholes Std. Dwg. D-8E
1 cu. yds. Exc.
1 cu. yds. Conc. 1.5/2 Mix
25 lbs steel

Note: Quantities above listed with Storm Sewer

Station	Side	No. Aggr. Gate	Extra Pay. Item No.	Type III Curb Ded.	Type I Curb Add.	Pa. Pav. Item No. T-70	Deduct. for 4" Conc. Sawk. Lin. Ft.	Remarks
147+12.5	Lt.	57	58.8	8'-0"			476	
147+20.5	Lt.	57	58.8	6'-0"			357	
153+30	Lt.	57	58.8	6'-0"			357	
Total							1190	
164+00	Lt.	74	58.8	6'-0"			464	
167+10	Lt.	74	58.8	6'-0"			464	
Total							928	

ROADWAY DRAINAGE

Stations	Side	V.S.P. M-6.80	Corr. P. M-6.4	Std. No. 1 Inlets	Headwalls
147+26 to 149+52	Lt.			223	
149+52 to 149+71	Lt.			24	
149+71 to 150+52	Lt.			74	
150+52 to 150+71	Lt.			24	
150+71 to 151+02	Lt.			24	
Totals				324	48

FED AID DIST. NO.	STATE	FED AID PROJECT	FISCAL YEAR
10	OHIO	M.R.H. 381-2	1933

S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY

CONNECTIONS OF EXISTING UNDERDRAIN TO NEW STORM SEWER

Station	Side	Conc. Gutter See Sheet # 34 Lin. Ft.
170+06	Lt.	5.5
170+82	Lt.	5.5
Total		11.0

41'-0" WIDTH PAV'T.

STORM SEWER

Stations	Side	V.S.P. P.C.P. R.C.P. Lin. Ft.	M-6.5 M-6.6 Lin. Ft.	V.S.P. Encased R.C.P.M-6.6(b) Lin. Ft.	Std. Comb. Inlet & M.H. Dwg. D-8D Mod. Each	Std. Comb. Inlet & M.H. Dwg. D-8F Mod. Each	Sta. No. Catch basins	Sta. No. Manholes	Sta. No. Drive Shafts
12"	15"	18"	24"	12"	18"				

41'-0" WIDTH PAV'T.

170+00 to 171+62.5	Rt.		162.5						
171+62.5 to 172+58.5	Rt.		91		40.3				
172+58.5 to 174+45	Rt.			183.5 (measured on skew)					
174+45 to 176+58.5	Lt.		40						
176+58.5 to 178+68	Rt.	201							
178+68 to 180+43	Rt.	170			37.5				
180+43 to 182+18	Rt.		170						
182+18 to 185+80	Rt.	357							
185+80 to 187+68	Rt.	183			37.5				
187+68 to 190+38	Rt.	265							
190+38 to 192+84	Rt.	241							
Totals		311	1216	2535	2235	2625	40.3	8	8

LOWER EXIS. WATER MAINS

Stations	Side	Cast Iron Water Mains Lin. Ft.	
173+15 to 176+85	Lt.	368	12"
173+15 to 179+00	Rt.		585
Totals		368	585

Not included in this Contract, but will be adjusted by Montgomery County.

ADJUSTMENTS

Station	Side	Remove, reset & Adjust to Grade Exis. Fire Hydrants Each	Remove, reset & Adjust to Grade Exis. Water Valves Each	Adjust Exis. Water Service Boxes to Grade Each	Adjust Exis. Water Valve Boxes to Grade Each
173+25	Lt.				
173+50	Lt.	1	1		
175+06	Rt.			1	
175+69	Rt.				1
176+12	Rt.			2	
176+64	Lt.	1			
176+66	Lt.				1
176+85	Rt.				1
177+67	Rt.				
192+80	Rt.				
Totals		2	2	5	3

BENCH MARKS

Station	Side	Elev.	Description
172+80±	Lt.	977.36	Dayton B.M. 629 N.W. Cor. Gettysburg Ave. & S.H. 65
183+40	Rt.	968.02	Chisleda, N.E. Cor. Front Walk, Dr. Brand Chick Hatchery.

STRUCTURES 20' SPAN & UNDER

No.	Station	Type	Size	Length	Remarks
16	174+46	V.S.P. (Enc.)	24"	67'-0"	Remove Exis. Stone Structure, Build New

PRIVATE DRIVES & ROAD APPROACHES

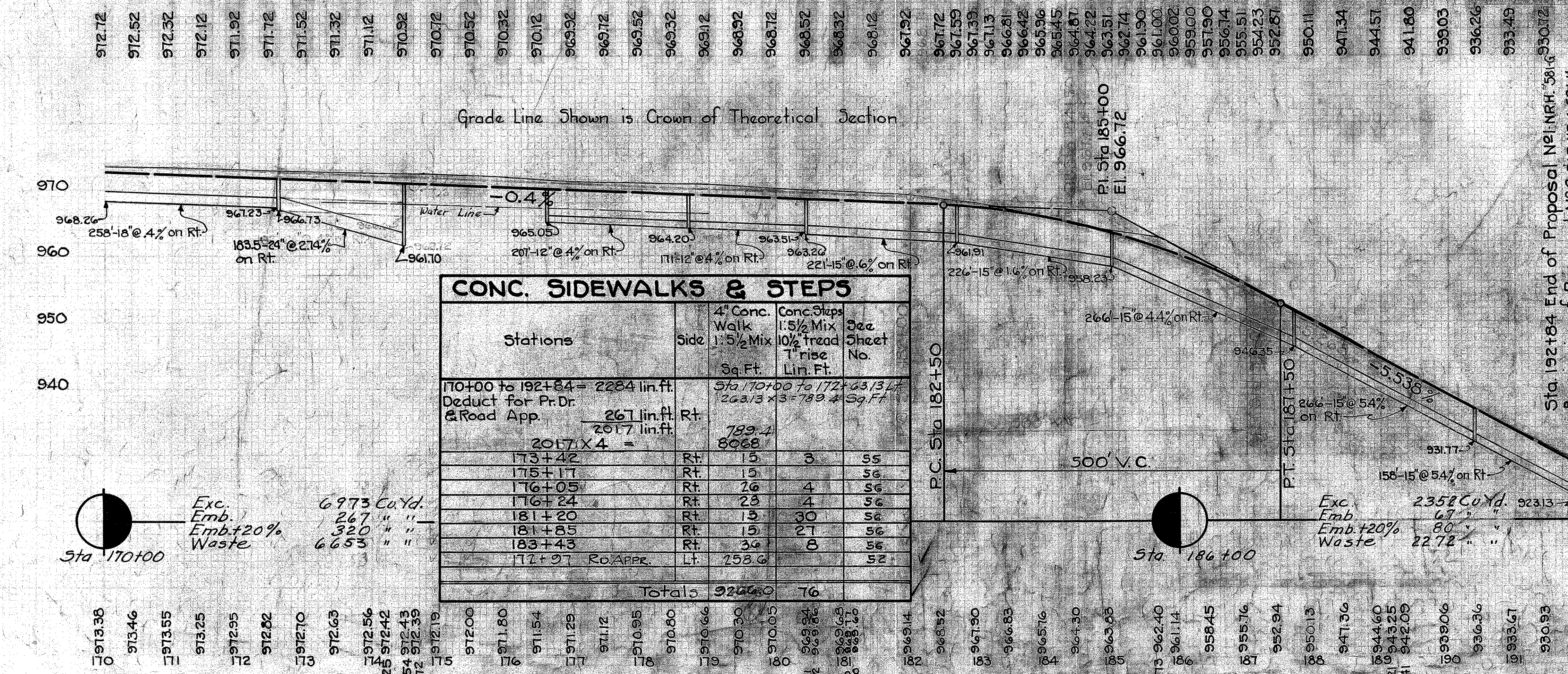
Station	Side	No. Agg. Cu. Yds.	Extra Pav't Item T-70 Sq. Yds.	Mod. Type III Curb Ded. Lin. Ft.	Mod. Type I Curb Add. Lin. Ft.	6" Conc. Pav't Item T-70 Sq. Yds.	Deduct for 4" Conc. Sidewalk Lin. Ft.	Remarks
172+53	Rt.	3				154.6	172	See Sheet No. 47
172+97	Lt.	3	244.3	1094	144.64	61.7		" " " 52
174+91	Rt.	3				10.9	10	" " " 48
175+91	Rt.	4				10.6	10	" " " 48
176+83	Lt.	2	170.9	8319	12.38	10.6	10	" " " 52
177+38	Rt.	4				10.6	10	" " " 46
180+69	Lt.	2	170.9	8319	12.38			See Sheet No. 52
181+49	Rt.	4				10.9	10	" " " 46
182+40	Rt.	4				10.9	10	" " " 46
183+10	Rt.	4				10.9	10	" " " 46
184+43	Rt.	2				10.9	10	" " " 47
185+57	Lt.	3				11.6		" " " 47
186+08	Rt.	4				10.6	10	" " " 47
180+47	Rt.	4				14.4	15	" " " 47
TOTAL		46	586.1	27579	374.37	328.6	267	

SODDING (ITEM I-16)

Station to Station	Side	Sq. Yds.
158+673 to 172+6313	Lt.	775.5
1395.83 x 5 =		775.5

TRENCH REINF. I-7

Station	No.	Size	Length	Weight Lb.
172+60	74	5/8" Ø	7'-0"	541
174+46	74	5/8" Ø	8'-0"	618
176+59	74	5/8" Ø	6'-0"	464
178+70	74	5/8" Ø	6'-0"	464
180+45	74	5/8" Ø	6'-0"	464
182+70	74	5/8" Ø	6'-0"	464
185+00	74	5/8" Ø	6'-0"	464
187+10	74	5/8" Ø	6'-0"	464
190+40	74	5/8" Ø	6'-0"	464
Total				4407



CONC. SIDEWALKS & STEPS

Stations	Side	4" Conc. Walk 1: 5/2 Mix Sq. Ft.	Conc. Steps 1: 5/2 Mix 10% tread Rise Lin. Ft.	See Sheet No.
170+00 to 192+84 = 2284 lin. ft.				
Deduct for Pr. Dr. & Road App.		267		
		2017		
2017 x 4 =		8068		
173+42	Rt.	15	3	55
175+17	Rt.	15	3	56
176+05	Rt.	26	4	56
176+24	Rt.	23	4	56
181+20	Rt.	13	30	56
181+85	Rt.	15	27	56
183+43	Rt.	36	8	56
172+97 Rd. Appr.	Lt.	258.6		52
Totals		9269.0	76	

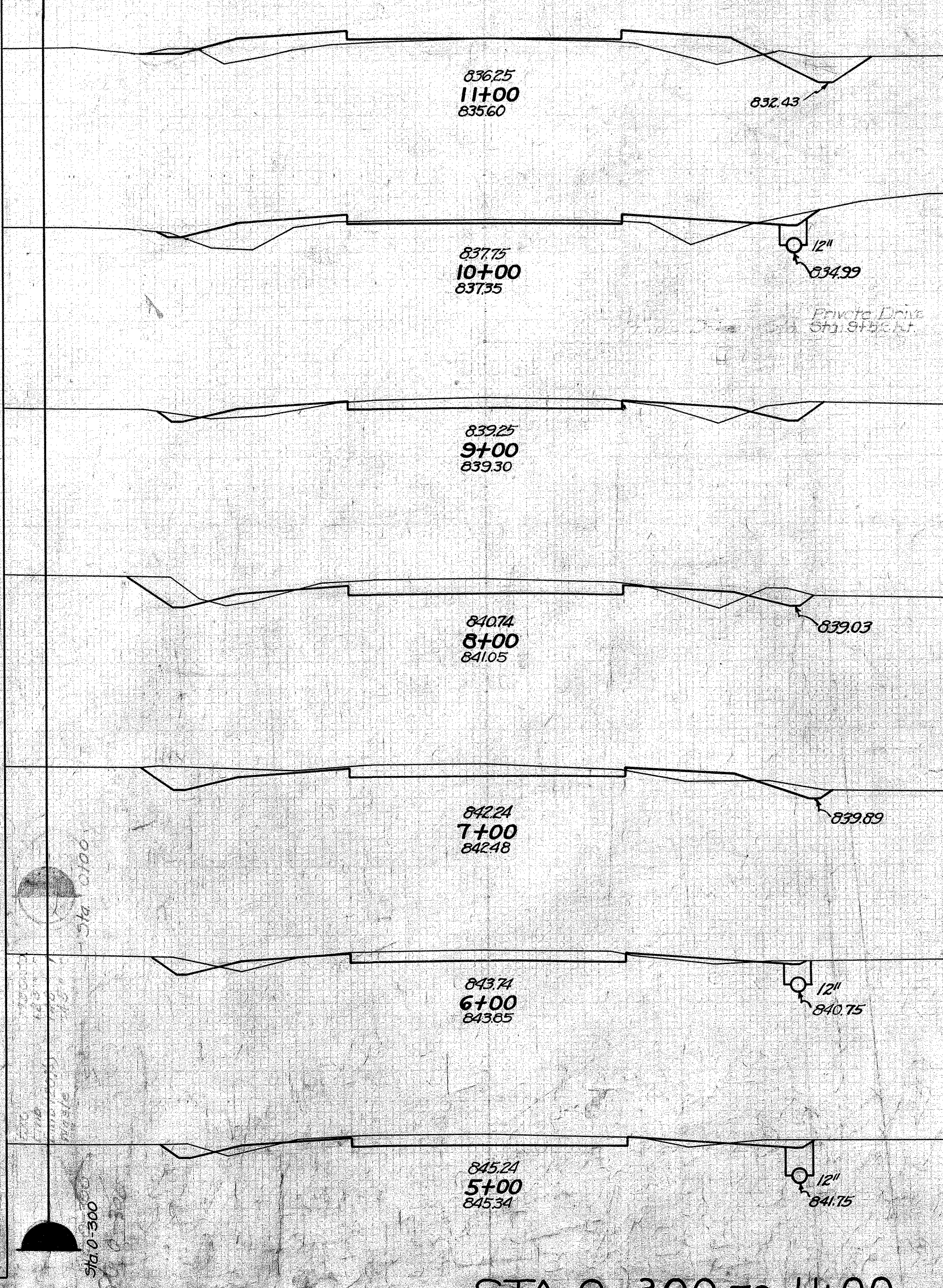
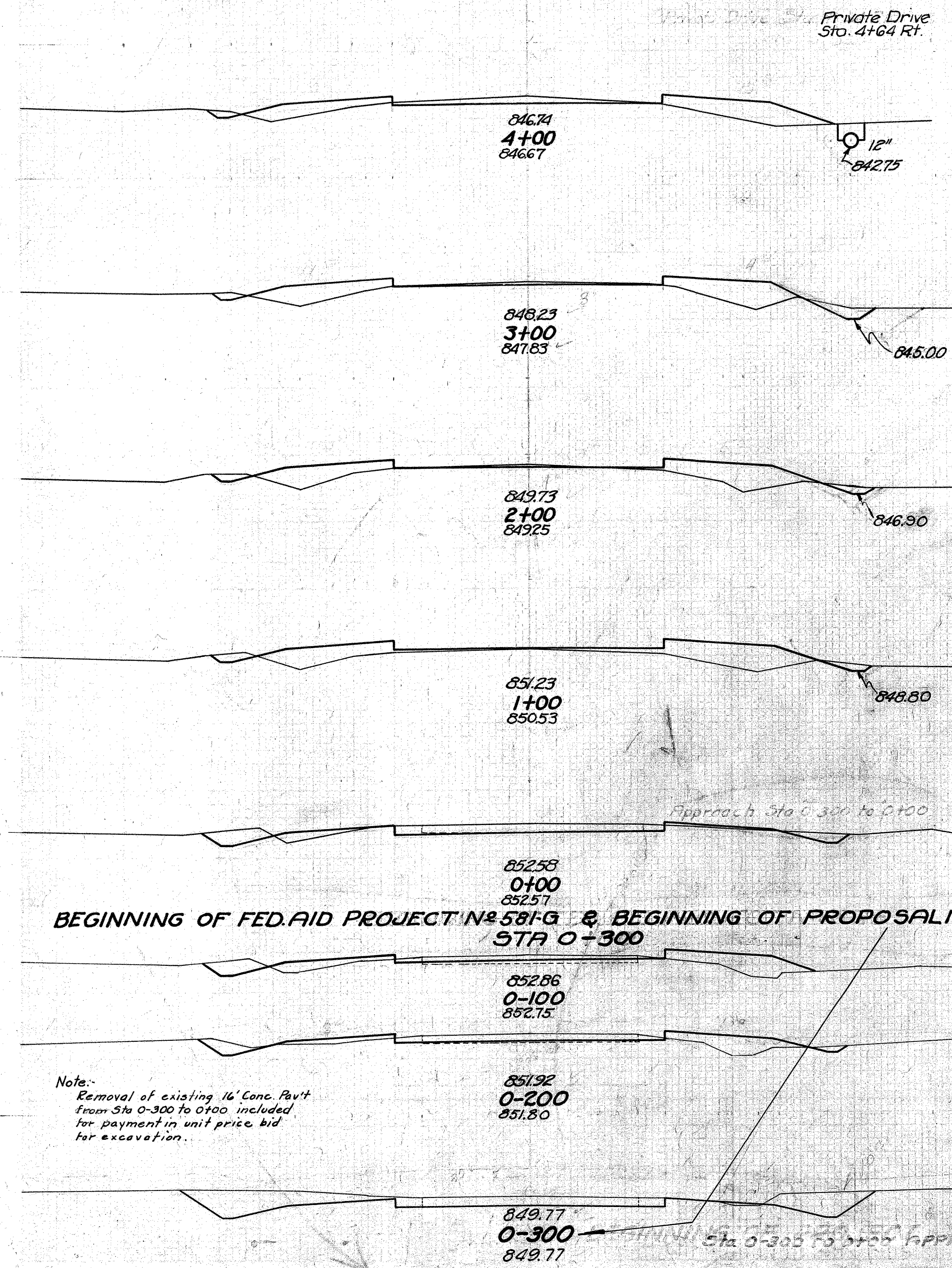
FED. AID DIST. NO.	STATE	FED. AID PROJECT YEAR	FISCAL YEAR
10	OHIO	581-G	1933

13
82

S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
			4
8	22		
30	87		
8	25		
20	93		
3	25		
13	104		
4	31		
43	67		
19	5		
54	41		
10	17		
41	56		
12	13		
98	26		
41	1		

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
10	32		
		33	102
8	23		
		54	63
21	11		
		100	41
33	11		
		113	30
28	5		
		87	18
19	5		
		80	17
24	4		
		59	48



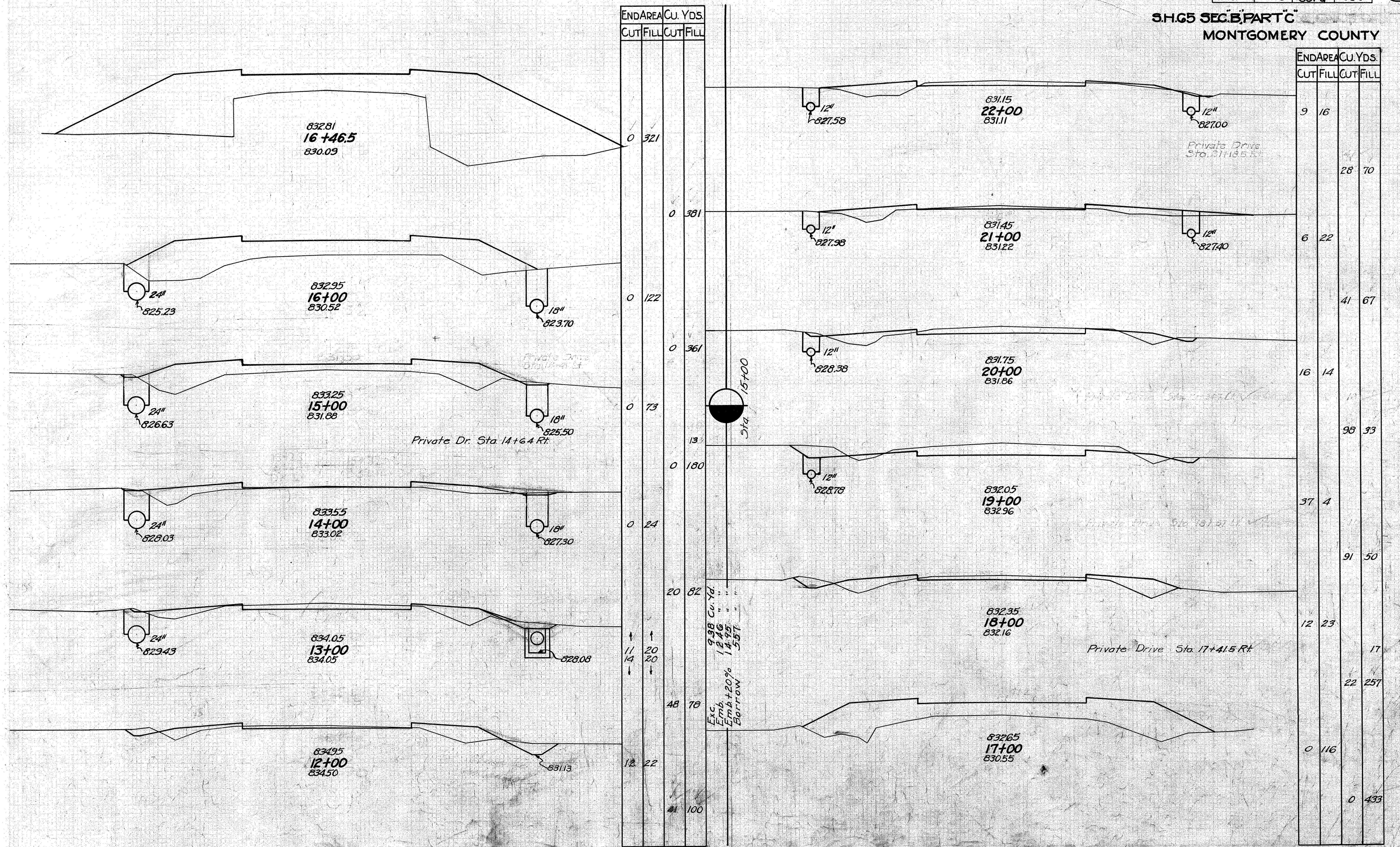
BEGINNING OF FED. AID PROJECT N^o 581-G & BEGINNING OF PROPOSAL N^o 1
STA 0+300

Note: Removal of existing 16' Conc. Pavt from Sta 0-300 to 0+100 included for payment in unit price bid for excavation.

STA 0-300 TO 11+00

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	55-1-6	1933

3.H.G5 SEC. B, PART C
MONTGOMERY COUNTY



END AREA	CU. YDS.	
	CUT	FILL
0	321	
0	381	
0	122	
0	361	
0	73	
0	180	
0	24	
20	82	
11	20	
14	20	
48	78	
12	22	
41	100	

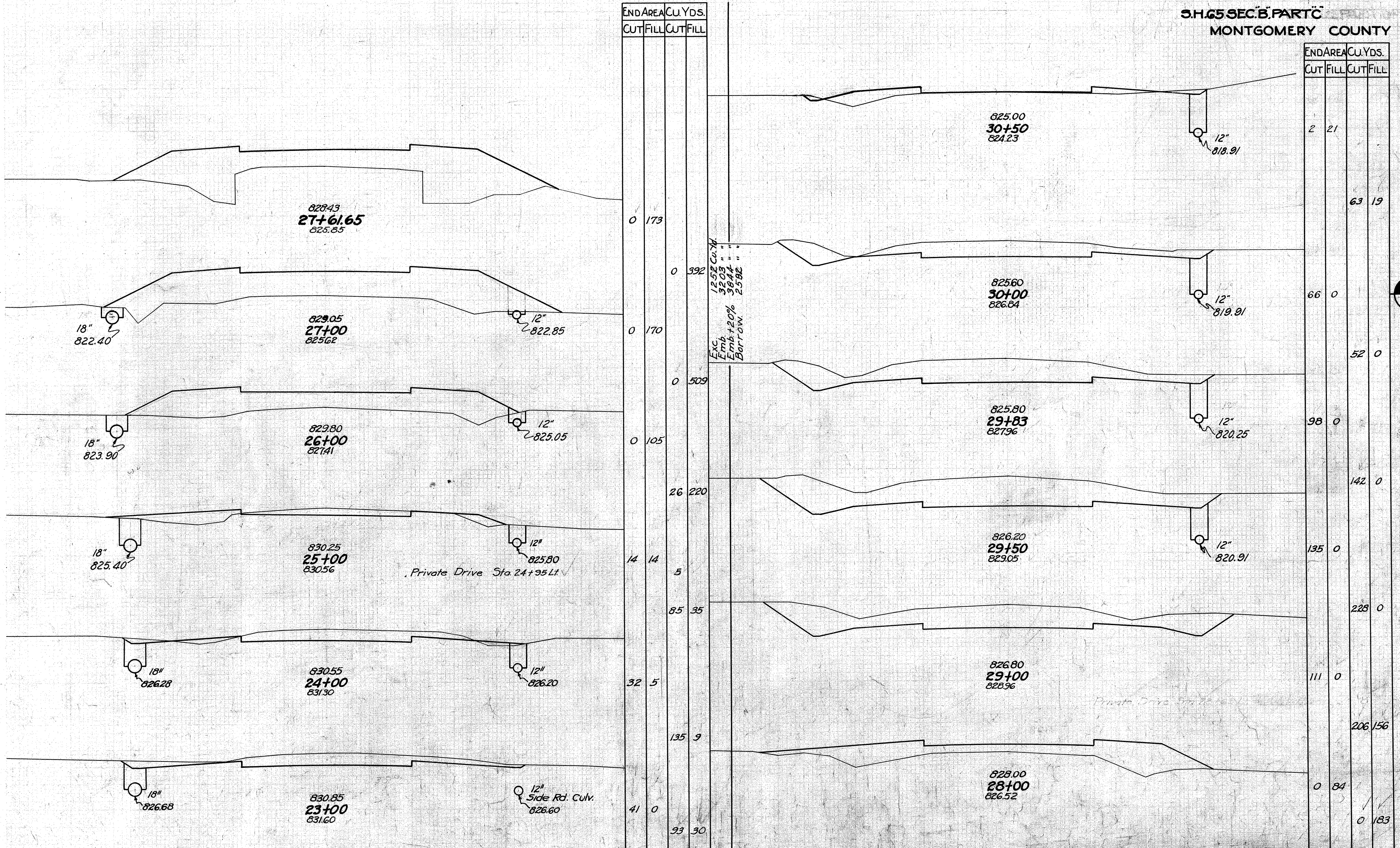
END AREA	CU. YDS.	
	CUT	FILL
9	16	
		28 70
6	22	
		41 67
16	14	
		98 33
37	4	
		91 50
12	23	
		17
		22 257
0	116	
		0 433

Exc. Emb. +20% Borrow
 9.38 Cu. Yd.
 12.46
 14.95
 557

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	58-2	1933

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82

S.H. 65 SEC. B. PART C
MONTGOMERY COUNTY



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
0	173	0	173
0	392	0	392
0	170	0	170
0	509	0	509
0	105	0	105
26	220	26	220
14	14	14	14
	5		5
85	35	85	35
32	5	32	5
	135		135
41	0	41	0
	93		93
	30		30

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
2	21	2	21
	63		63
66	0	66	0
	52		52
98	0	98	0
	142		142
135	0	135	0
	228		228
	111		111
	206		206
0	84	0	84
	0		0
	183		183

Exc. Emb. +20% Borrow. 12.5% Cu. Yd. 33.03 " " " " 38.11 " " " " 25.92 " " " "

STA. 23+00-30+50

35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35

FED.AID DIST. NO.	STATE	FED.AID PROJ. NO.	FISCAL YEAR
10	OHIO	581-6	1933

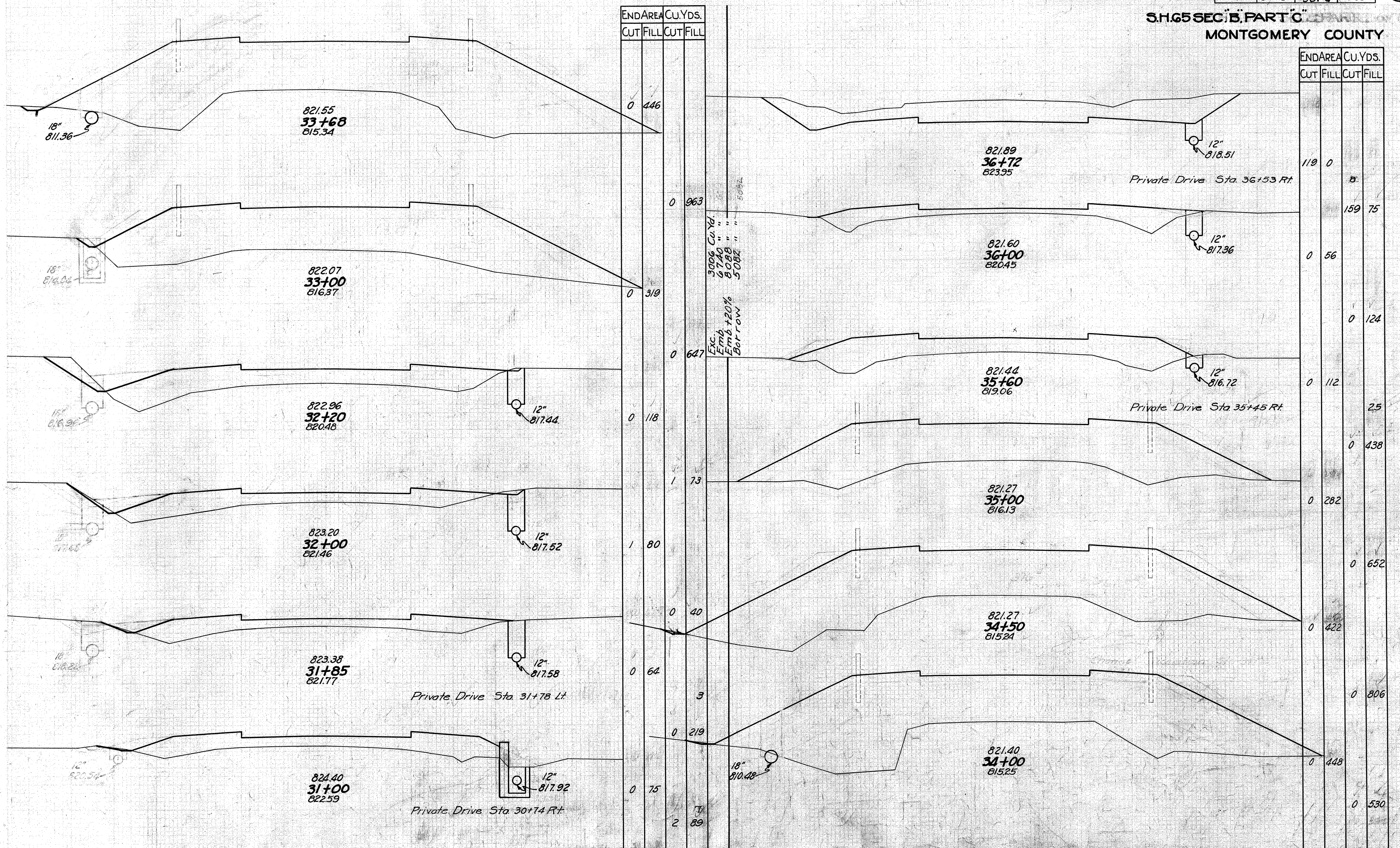
16
82

S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
0	446	0	963
0	319	0	647
0	118	1	73
1	80	0	40
0	64	0	219
0	75	2	89

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
119	0	0	159
0	56	0	124
0	112	0	438
0	282	0	652
0	422	0	806
0	448	0	530

Exc. Emb. Borrow
3006 Cu. Yd.
6740 " " "
8088 " " "
5082 " " "



STA 31+00-36+72

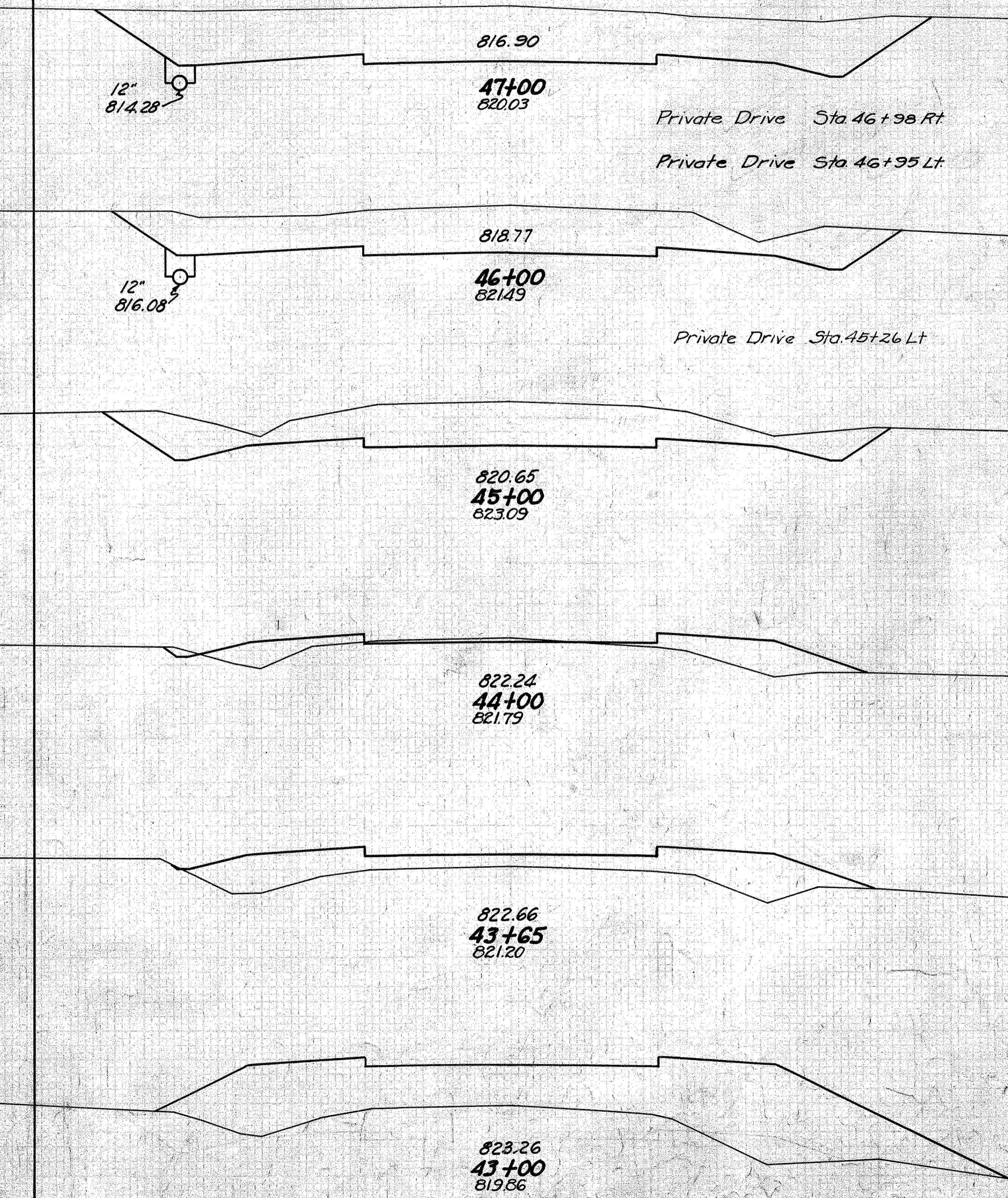
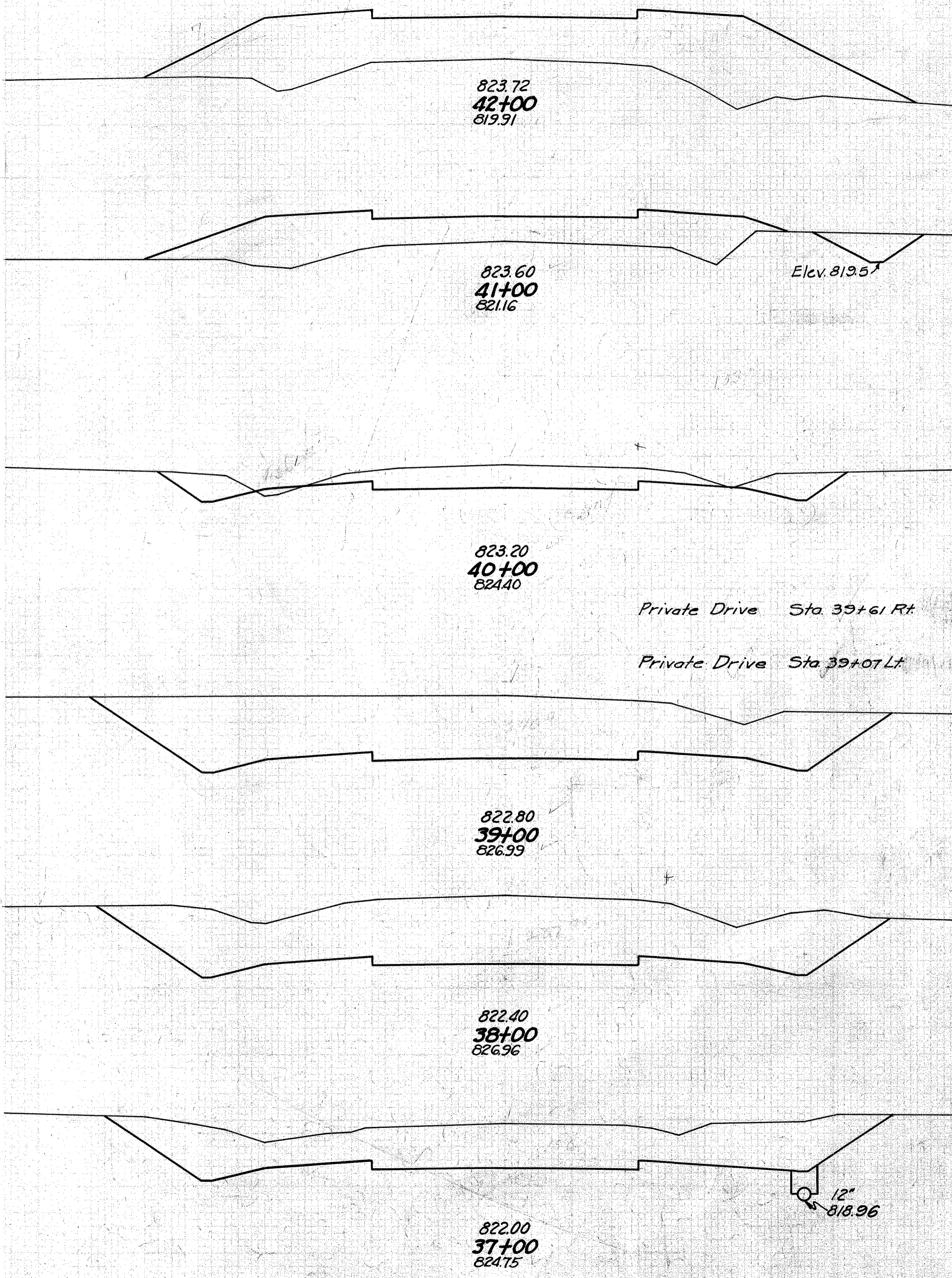
FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-6	1933

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82

6.H.G.5 SEC. B. PART C
MONTGOMERY COUNTY

END STA.	AREA		CU. YDS.	
	CUT	FILL	CUT	FILL
42+00	0	211		
41+00	9	110	17	594
40+00	63	1	133	206
39+00			63	1
38+00			13	59
37+00			561	2
			240	0
			882	0
			236	0
			748	0
			168	0
			149	0

END STA.	AREA		CU. YDS.	
	CUT	FILL	CUT	FILL
47+00	186	0		
46+00	135	0	18	23
45+00	110	0	594	0
44+00	3	32	15	454
43+65	0	71	0	0
43+00	0	205	0	59
	0	770	0	209



STA. 37+00-47+00



35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35

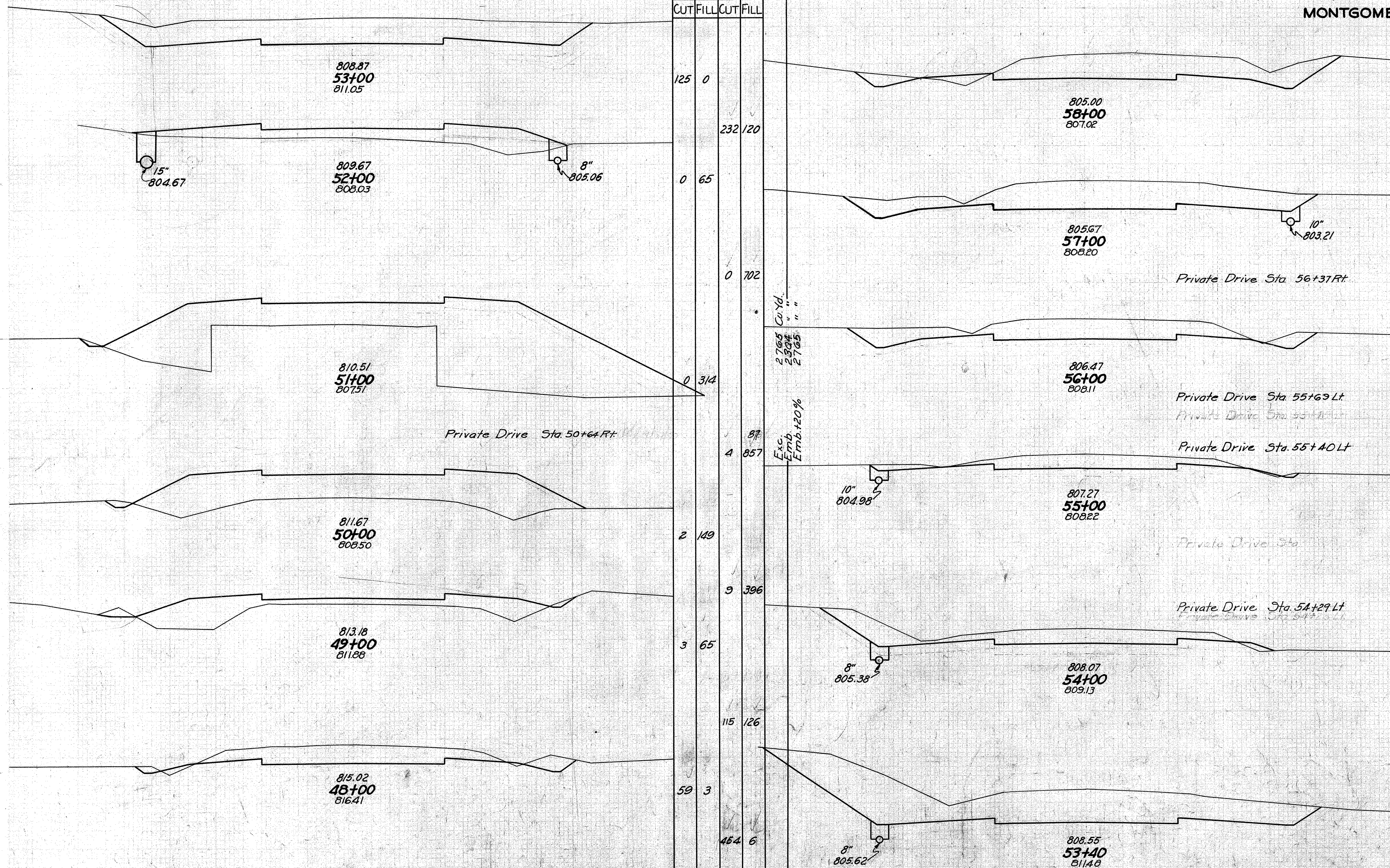
FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-4	1935

18
82

3165 SEC. B PART C
MONTGOMERY COUNTY

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
125	0		
	232	120	
0	65		
	0	702	
0	314		
	87		
4	857		
2	149		
	9	396	
3	65		
	115	126	
59	3		
	464	6	

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
88	4		
	367	7	
110	0		
	9		
346	0		
77	0		
	8	0	
	215	2	
	145	2	
	5		
39	1		
	183	6	
	5		
60	2		
	276	2	
189	0		
	233	0	



STA. 48+00 - 58+00

1876
1876
1876

Sta. 55+07.5

FED.AID DIST.NO	STATE	FED.AID PROJ.	FISCAL YEAR
10	OHIO	331-2	1933

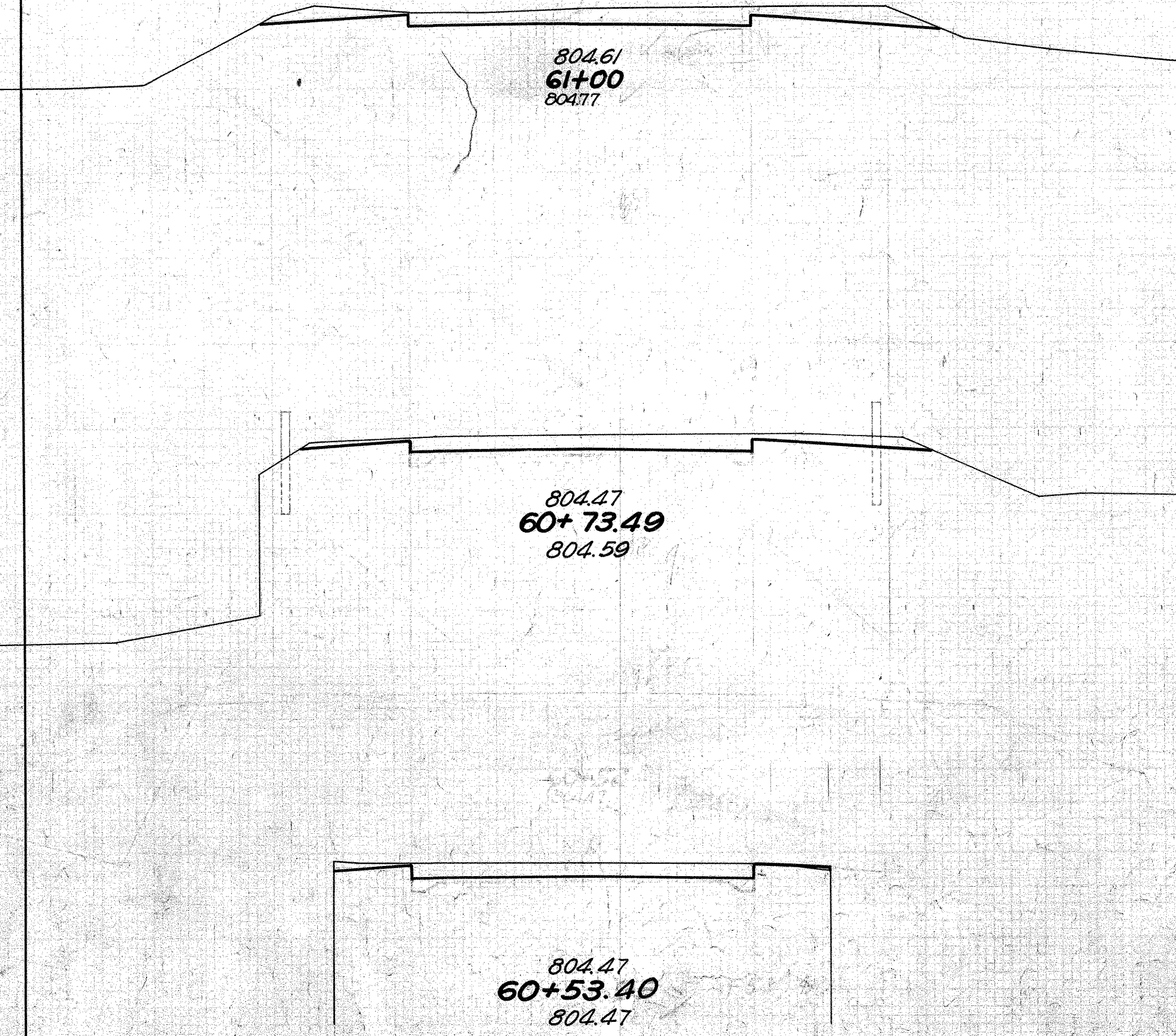
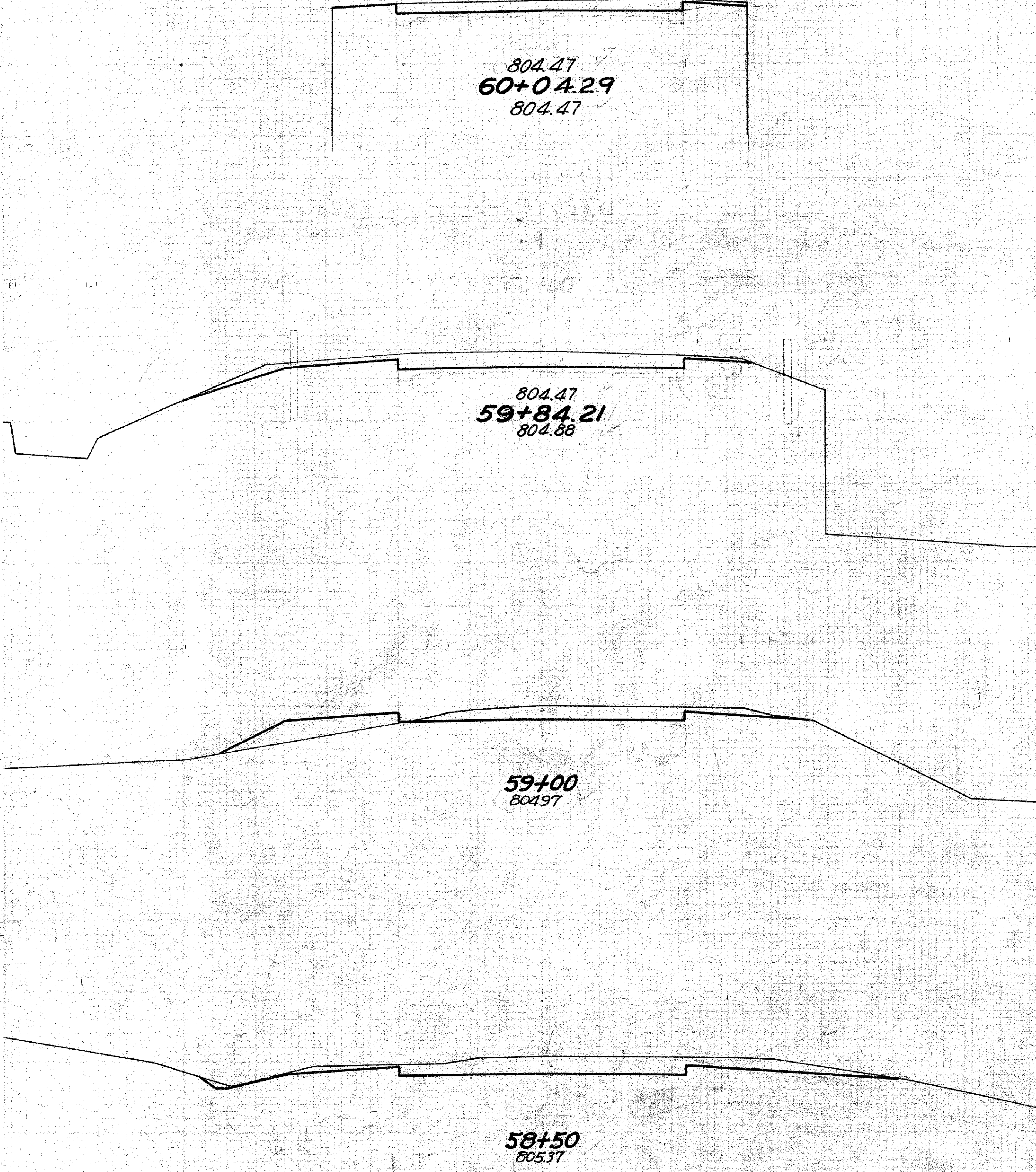


S.H.65 SEC. B, PART C
MONTGOMERY COUNTY

BR. No. MO. 4-107

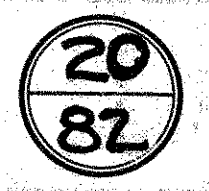
END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
BRIDGE			
17	0		
		17	0
28	0		
		72	20
18	13		
		49	12
35	0		
		114	4

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
30	0		
		27	0
25	0		
		10	0
17	0		

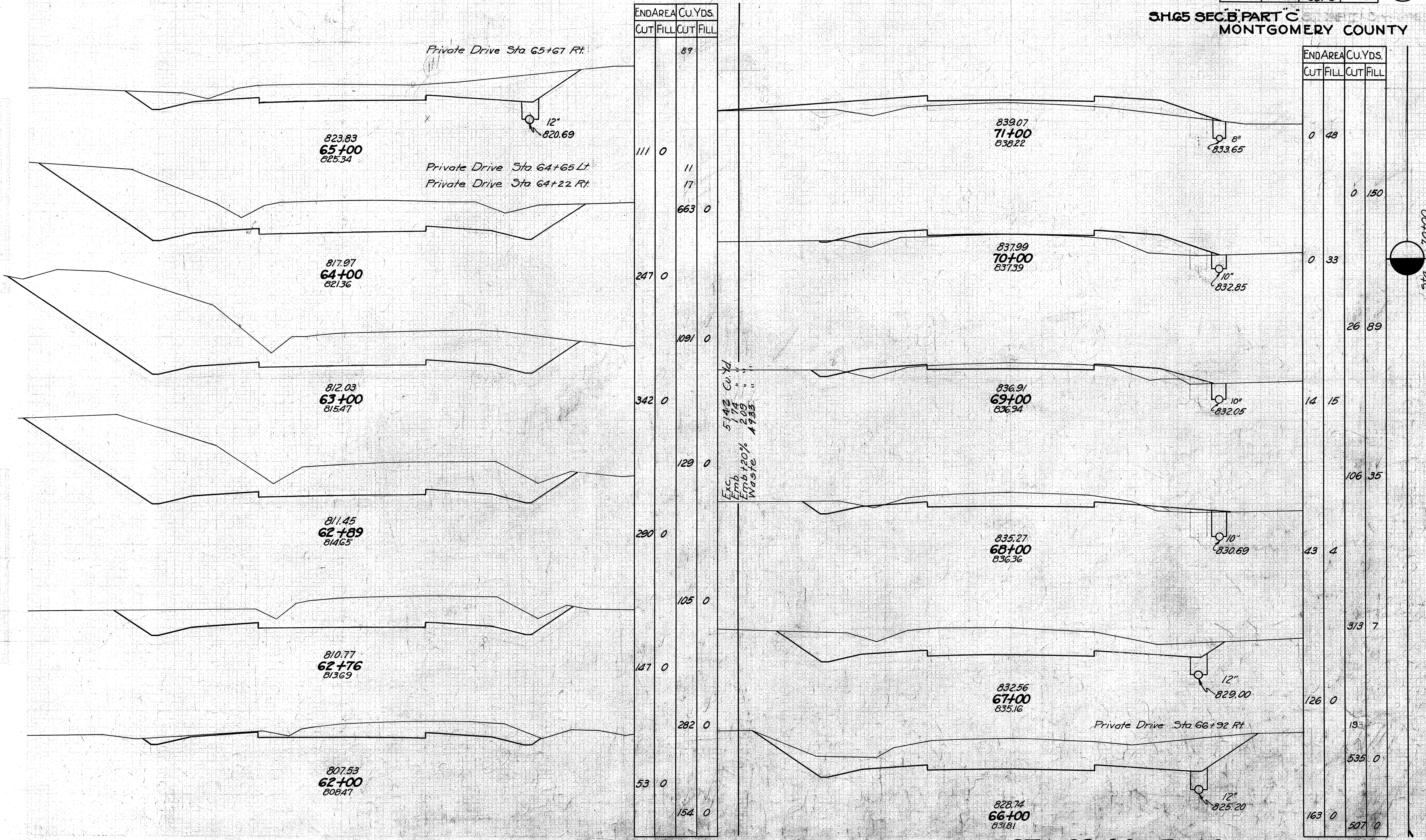


STA 58+50 - 61+00

FED.AID DIST. NO.	STATE	FED.AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-6	1933



SH 65 SEC. B PART C
MONTGOMERY COUNTY



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
			89
111	0		
		11	
		17	
663	0		
		247	0
		1091	0
342	0		
		129	0
290	0		
		105	0
147	0		
		282	0
53	0		
		154	0

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
0	48		
		0	150
0	33		
		26	89
14	15		
		106	35
43	4		
		313	7
126	0		
		13	
		535	0
163	0		
		507	10

Exc
Emb
Waste
5142 Cu Yd
174
209
4933

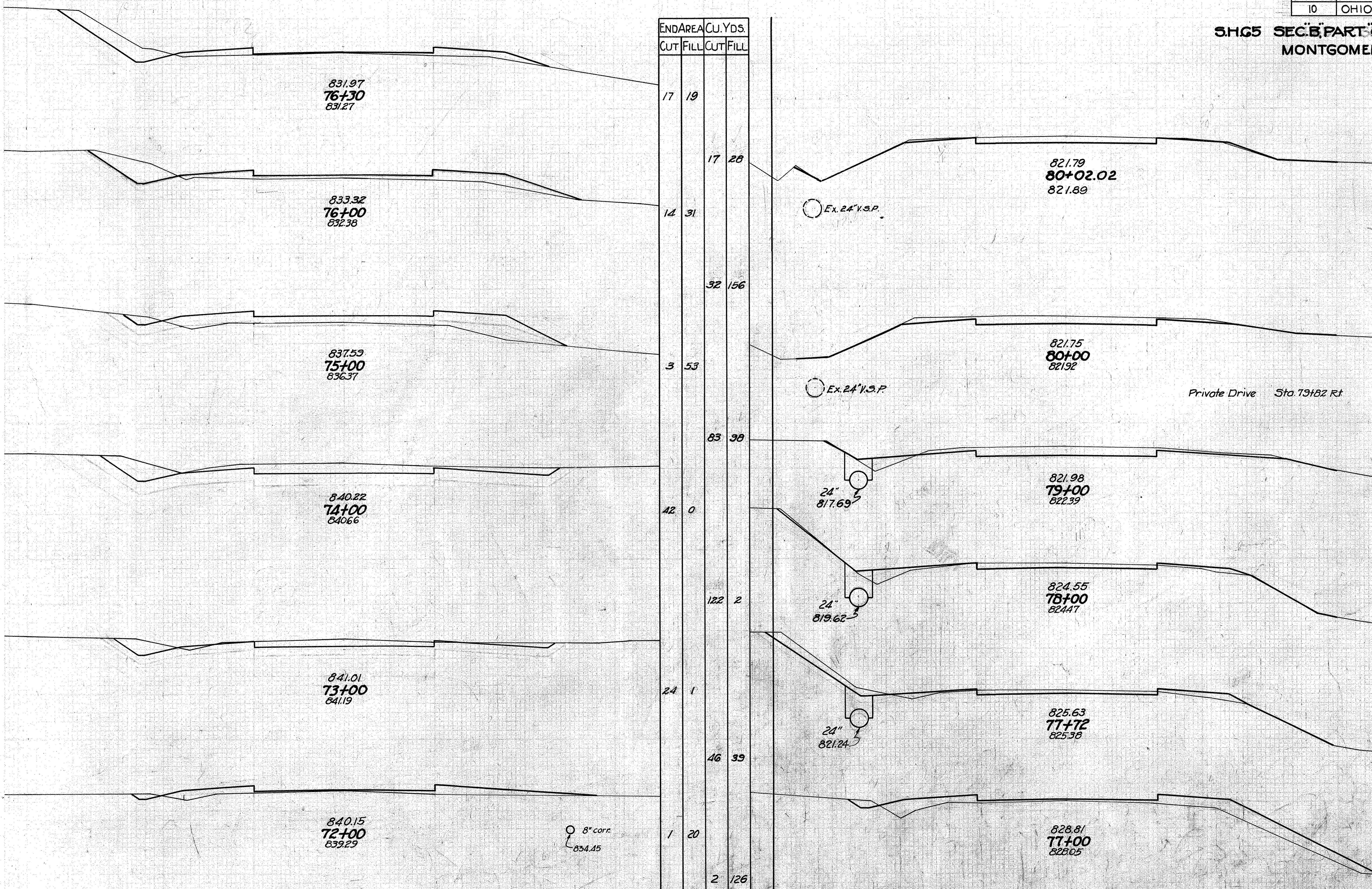
STA 62+00 - 71+00

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-6	1933

SH65 SEC. B PART C
MONTGOMERY COUNTY

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
17	19		
		17	28
14	31		
		32	156
3	53		
		83	98
42	0		
		122	2
24	1		
		46	39
1	20		
		2	126
		14	

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
0	16		
		2	0
22	0		
		4	89
26	5		
		69	30
11	11		
		16	10
19	8		
		28	69
2	44		
		25	82



Private Drive Sta 71+94 Rt

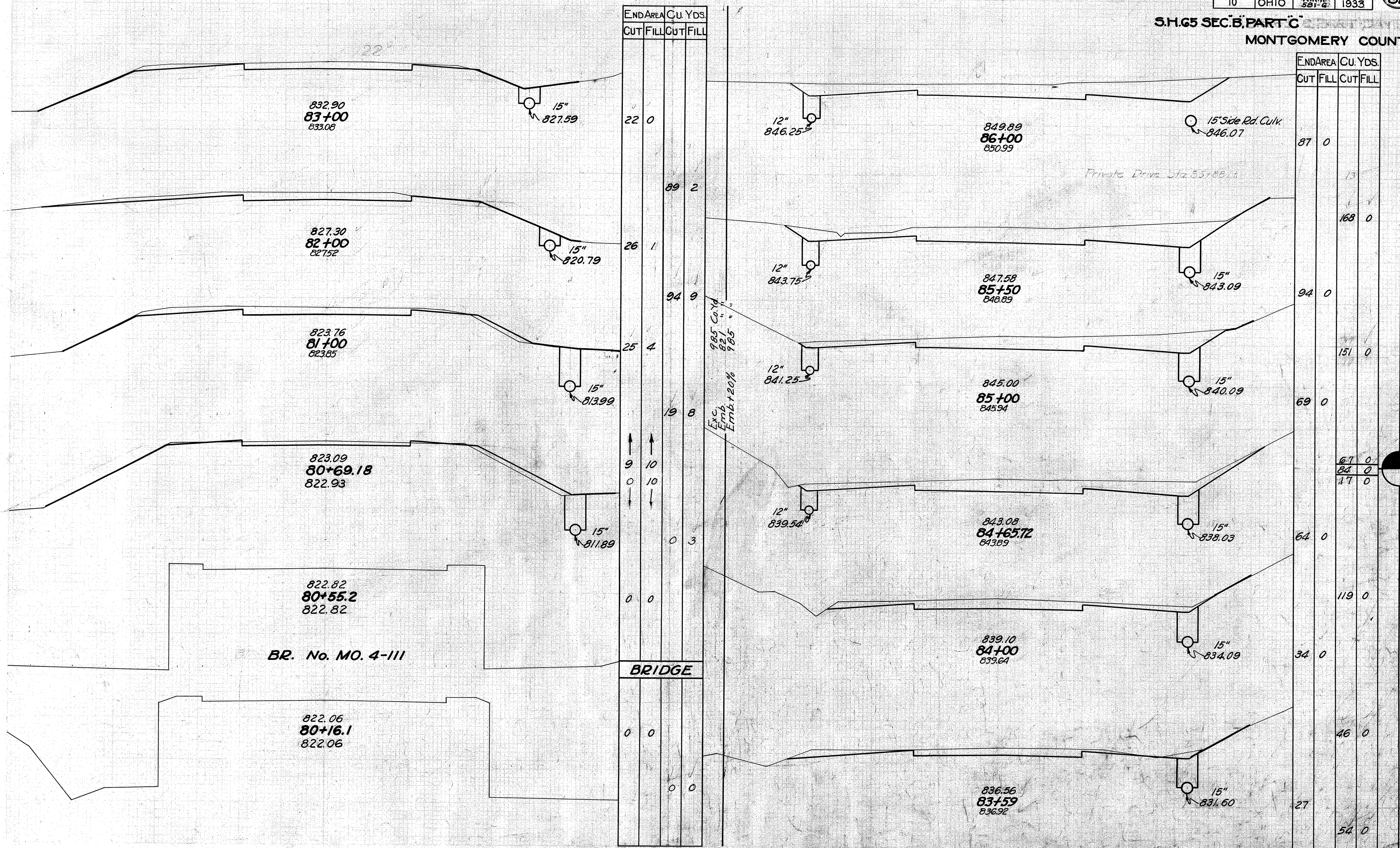
Private Drive Sta 79+82 Rt

STA 72+00 - 80+02.1

FED. AID DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	581-6	1933

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82

S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
22	0		
89	2		
26	1		
94	9		
25	4		
19	8		
9	10		
0	10		
0	0		
0	0		
0	0		
0	0		
0	0		
0	0		

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
87	0		
			13
			168
94	0		
			151
69	0		
			67
			84
			17
64	0		
			119
34	0		
			46
27	0		
			54

Exc. Embt 20%
985 Cu. Yd.
827
985

BR. No. MO. 4-III

BRIDGE

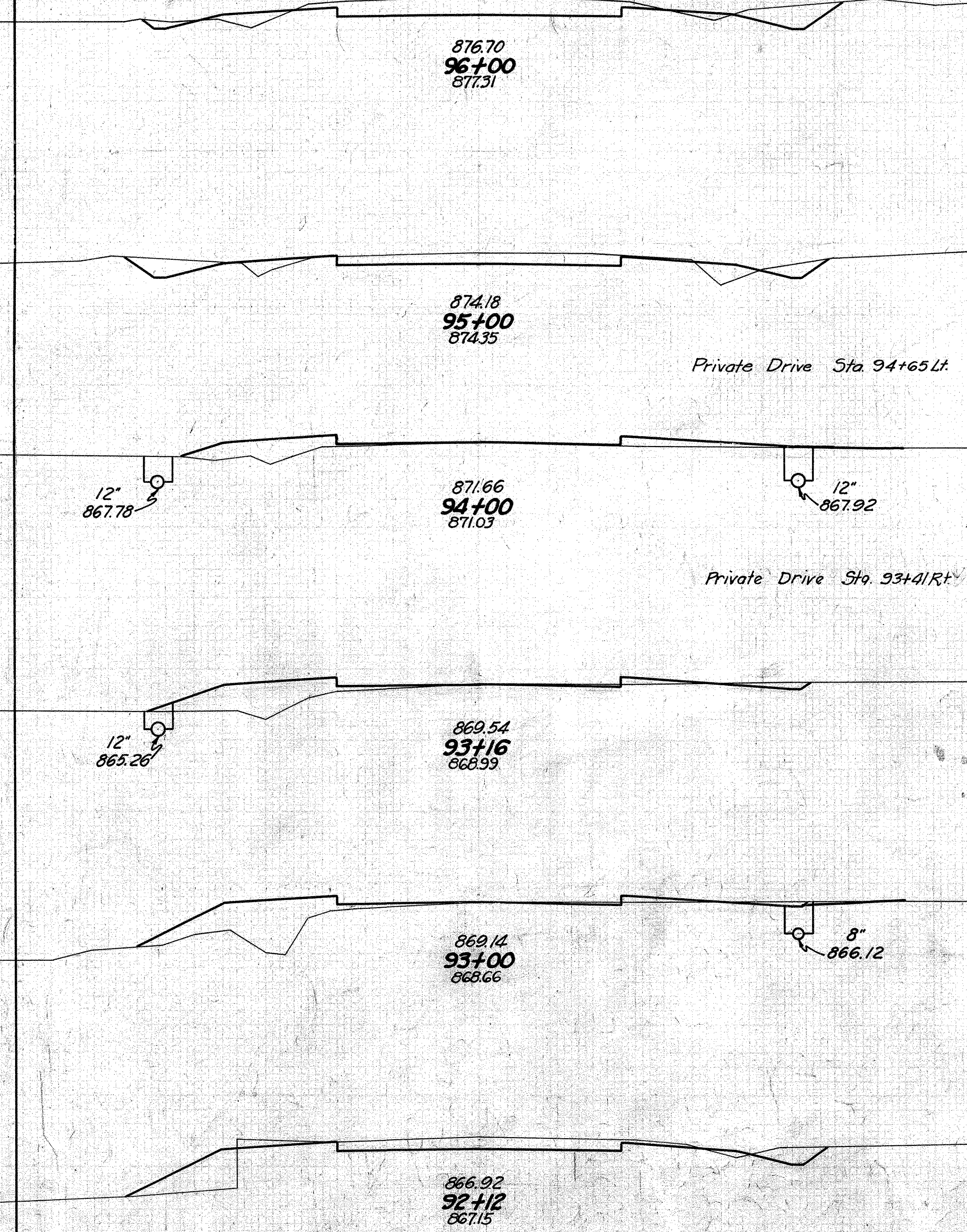
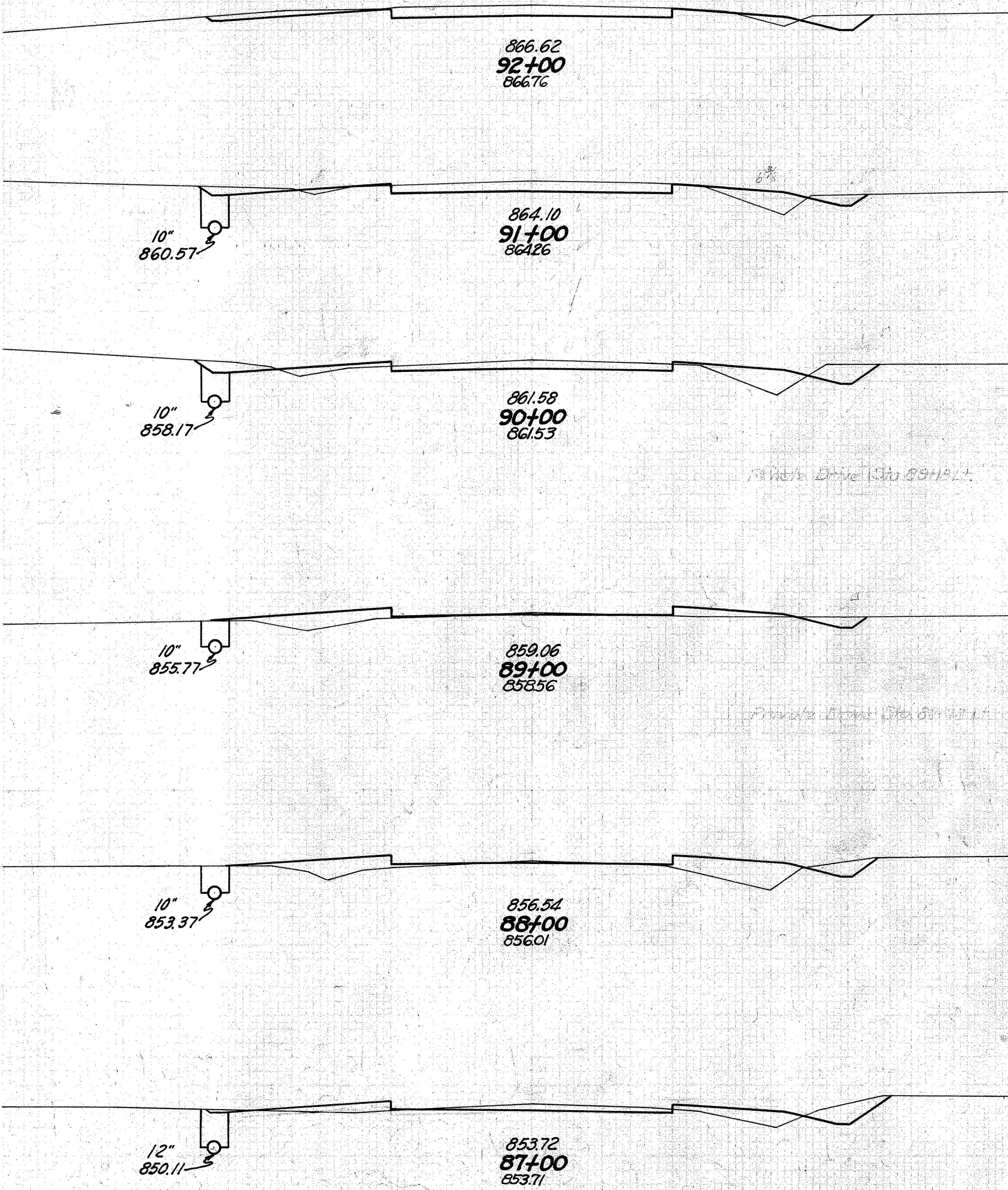
FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-6	1933



SH.65 SEC. B. PART C
MONTGOMERY COUNTY

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
21	2		
		76	17
20	7		
		68	33
17	11		
		37	46
3	14		
		13	63
4	20		
		39	46
17	5		
		193	9
		40	
		35	

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
34	4		
		109	20
25	7		
		4	
		46	46
0	18		
		18	
		6	56
4	18		
		2	15
4	31		
		46	73
24	14		
		10	4

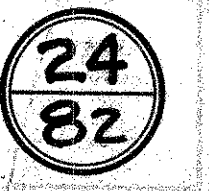


Private Drive Sta. 86+67 Lt.
Side Road Approach Sta. 86+00 Rt.

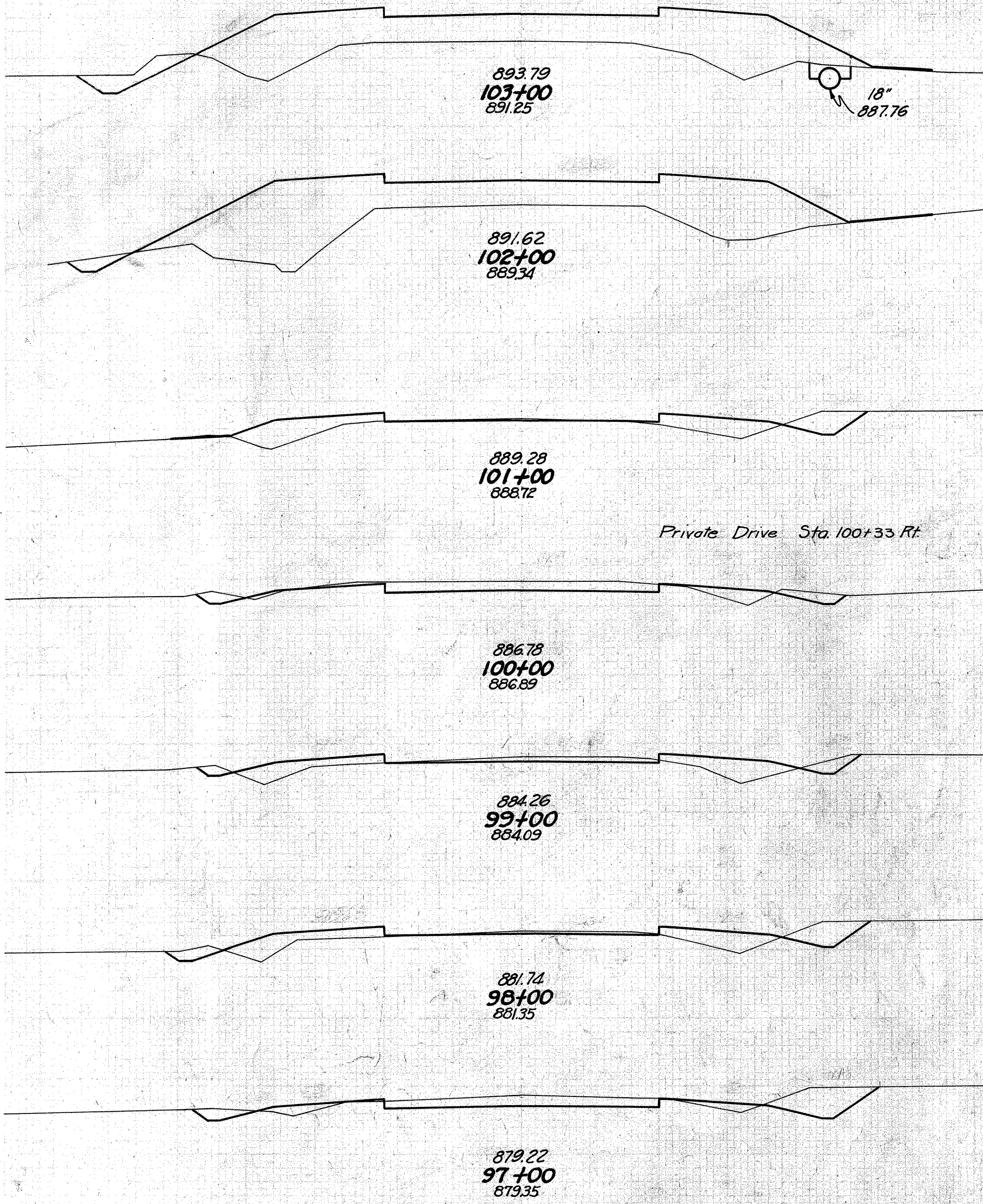
Private Drive Sta. 94+65 Lt.

Private Drive Sta. 93+41 Rt.

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	1933	1933

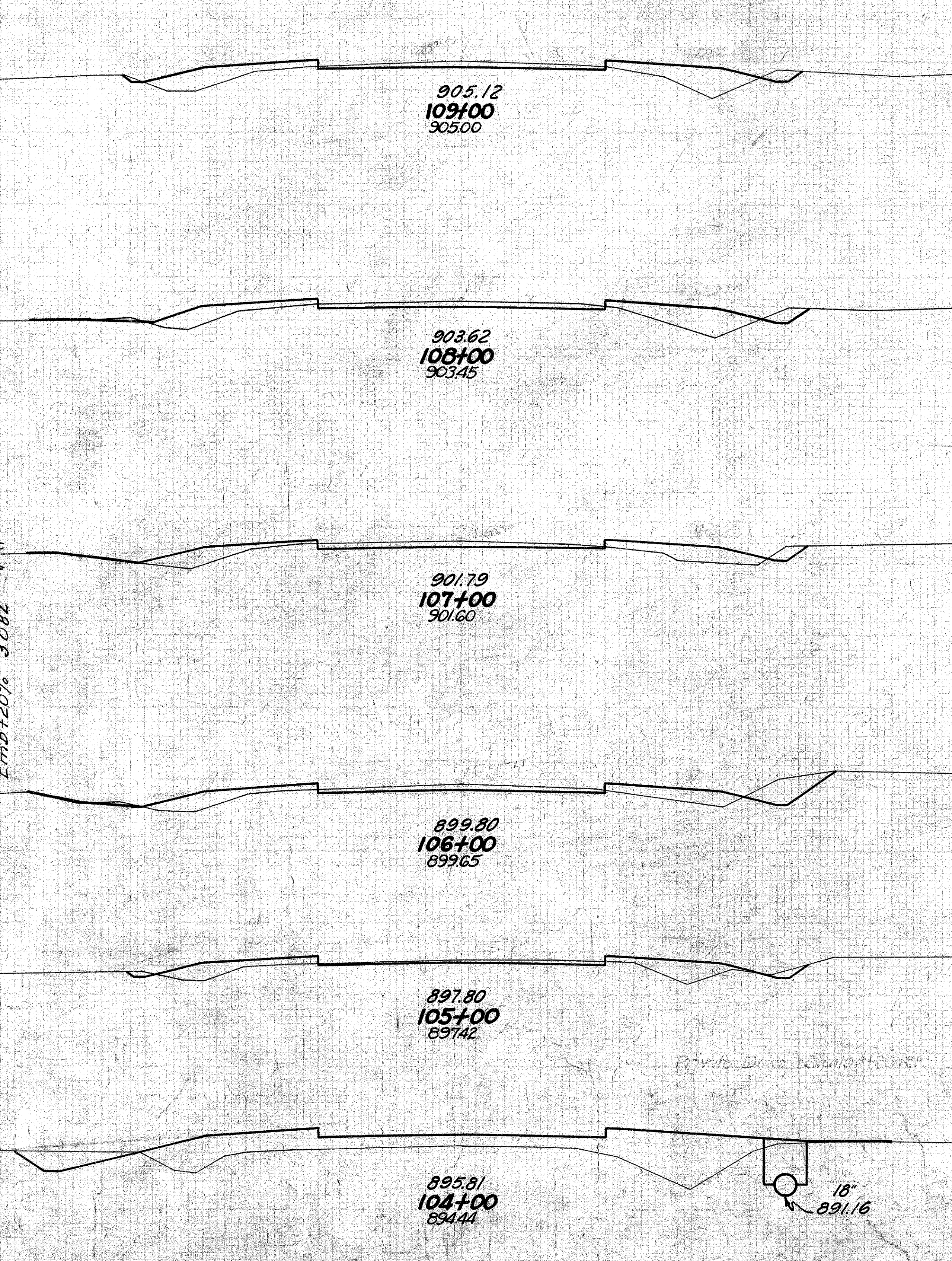


SH.65 SEC. B. PART C
MONTGOMERY COUNTY



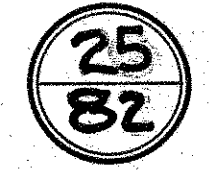
END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
8	127		
		20	504
3	145		
		19	307
7	21		
		10	
		52	48
21	5		
		57	43
10	18		
		41	69
12	19		
		72	44
27	5		
		113	17

Exc. Emb. Emb + 20%
 3082 Cu. Yd.
 2568
 3082



END AREA		Cu. Yds.	
CUT	FILL	CUT	FILL
8	22		
		32	78
9	20		
		32	67
8	16		
		39	56
13	14		
		33	56
5	16		
		26	157
9	69		
		32	363

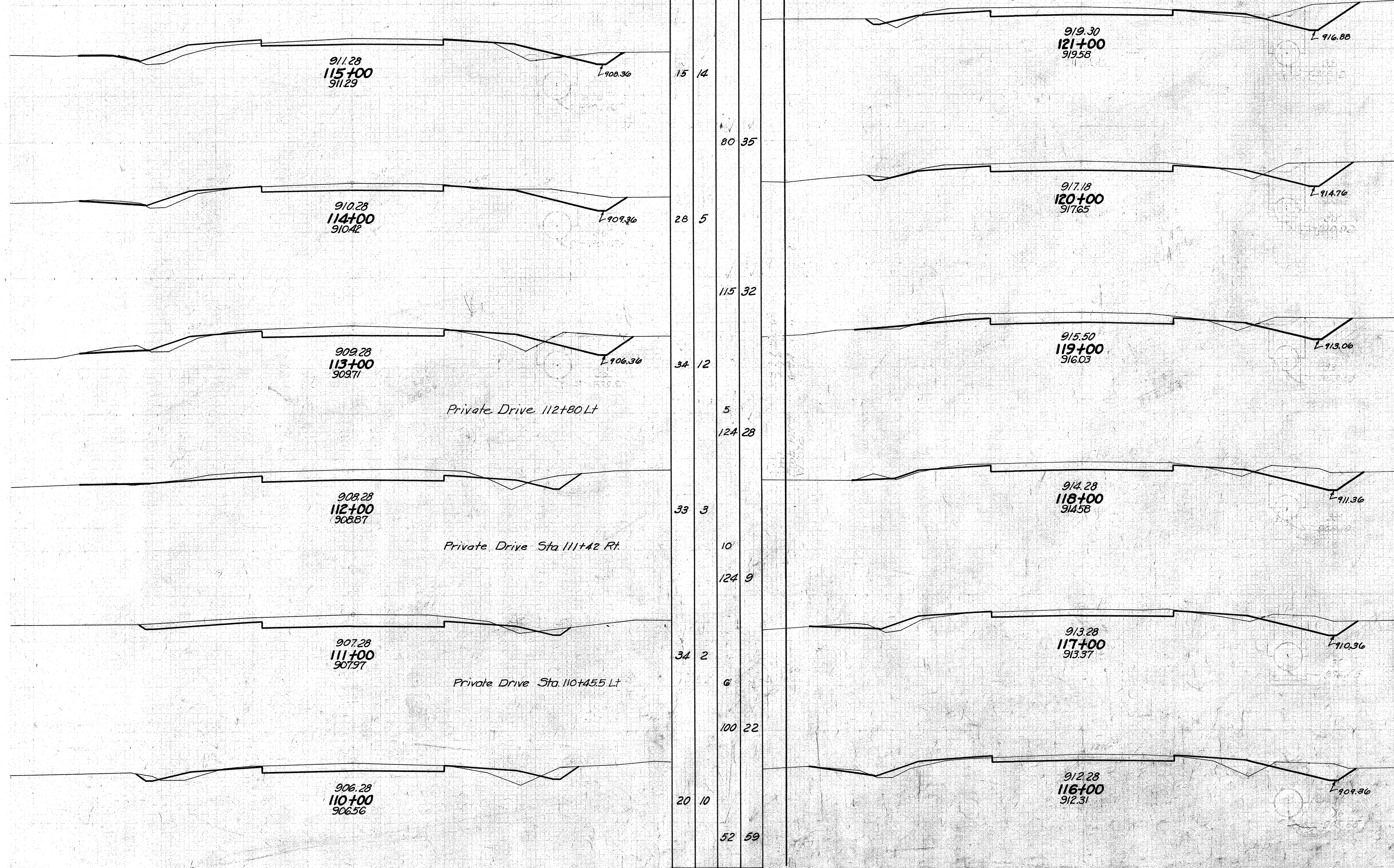
FED.AID DIST. NO.	STATE	FED. AID PROJ.	FISCAL YEAR
10	OHIO	581-6	1933



5.H.65 SEC. B. PART C
MONTGOMERY COUNTY

END AREA		Cu. Yds.	
CUT	FILL	CUT	FILL
15	14	80	35
28	5	115	32
34	12	5	124 28
33	3	10	124 9
34	2	6	100 22
20	10	52	59

END AREA		Cu. Yds.	
CUT	FILL	CUT	FILL
38	4	144	13
40	3	150	11
41	3	141	11
35	3	113	18
26	7	93	37
24	13	72	50

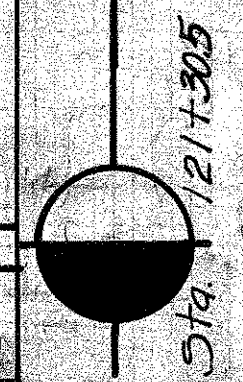
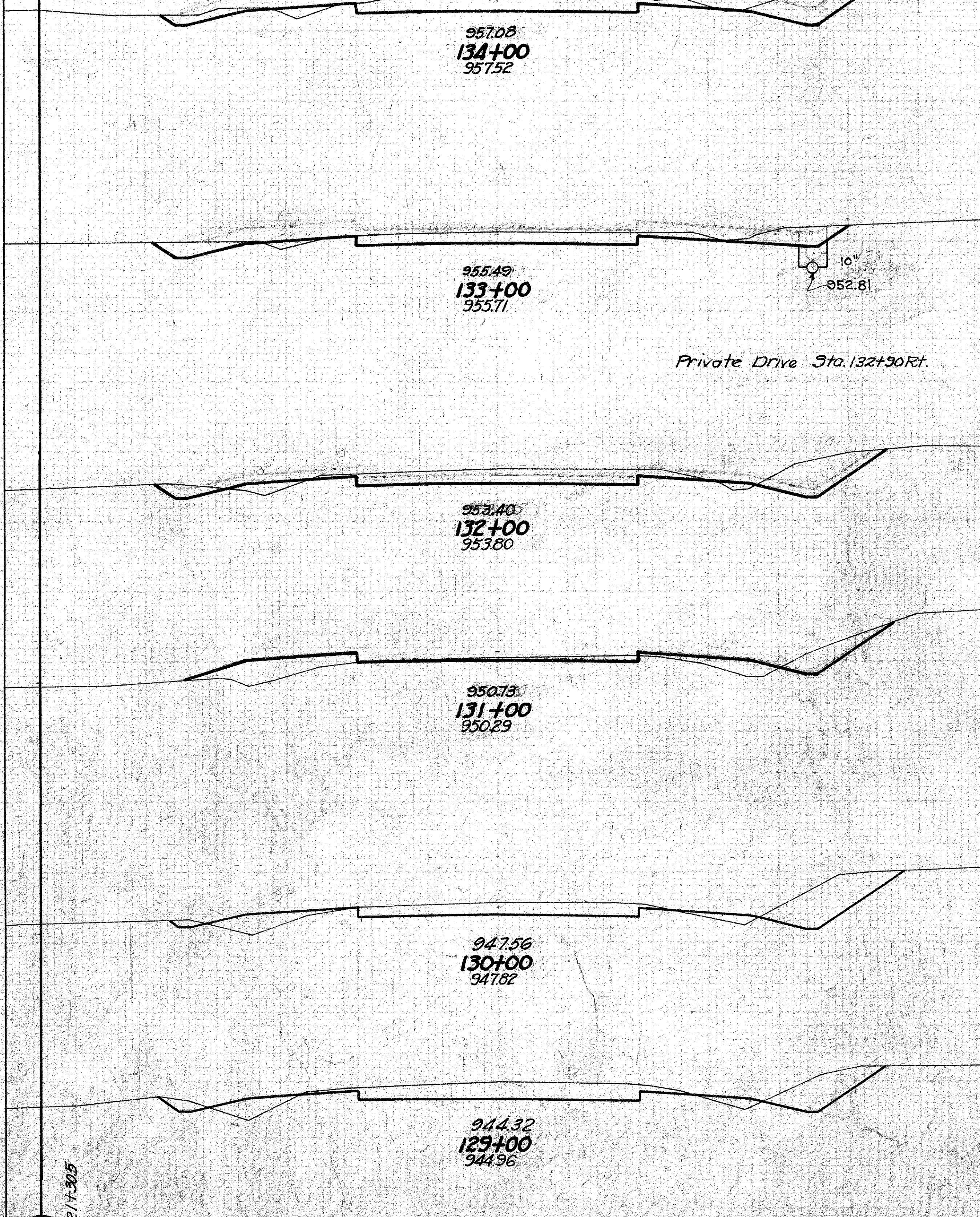
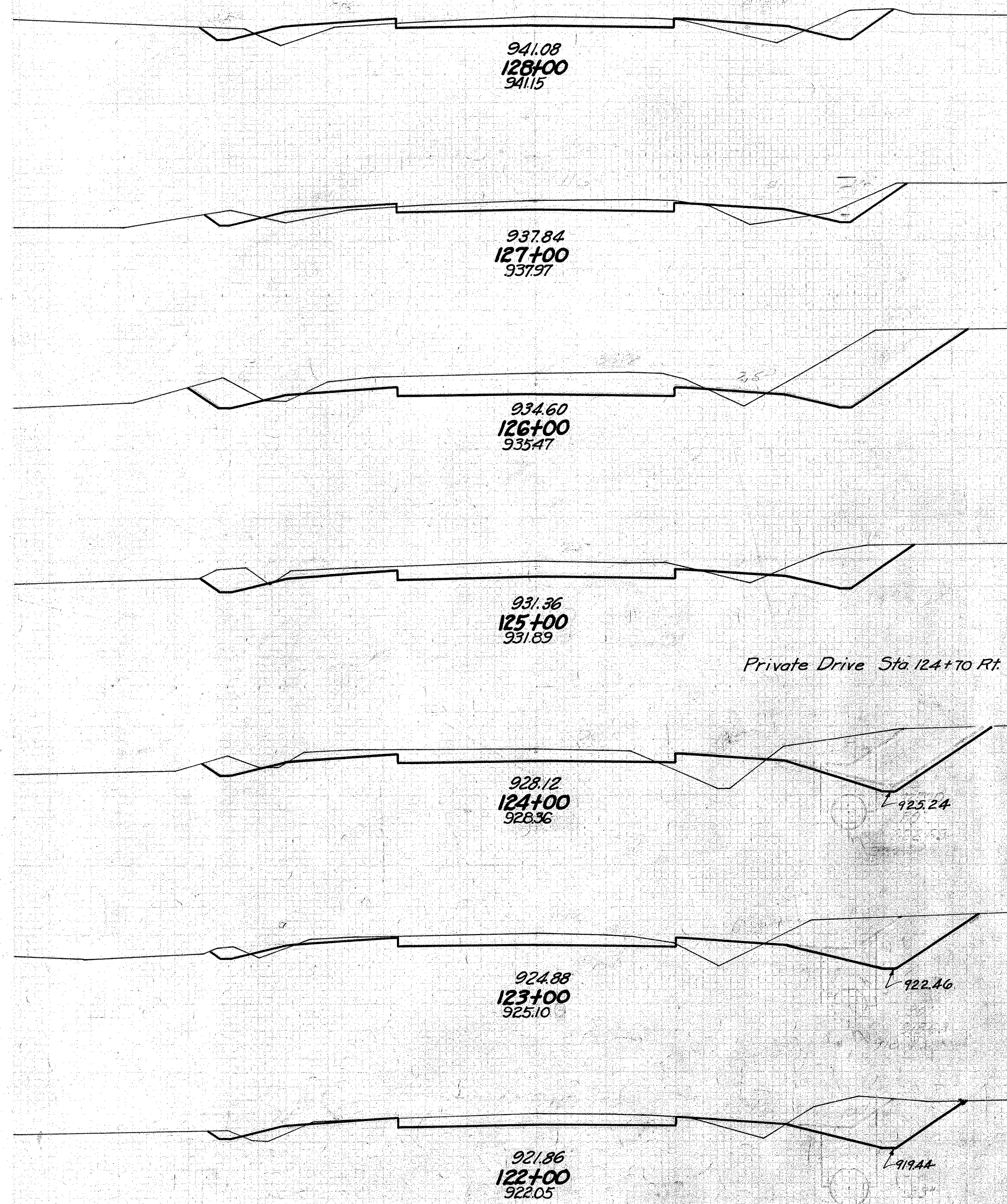


STA. 110+00 - 121+00

S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
22	12		
		78	41
20	10		
		183	26
79	4		
		233	11
47	2		
		11	
		198	24
60	11		
		207	35
52	8		
		180	28
45	7		
		107	14
		154	20
		47	6

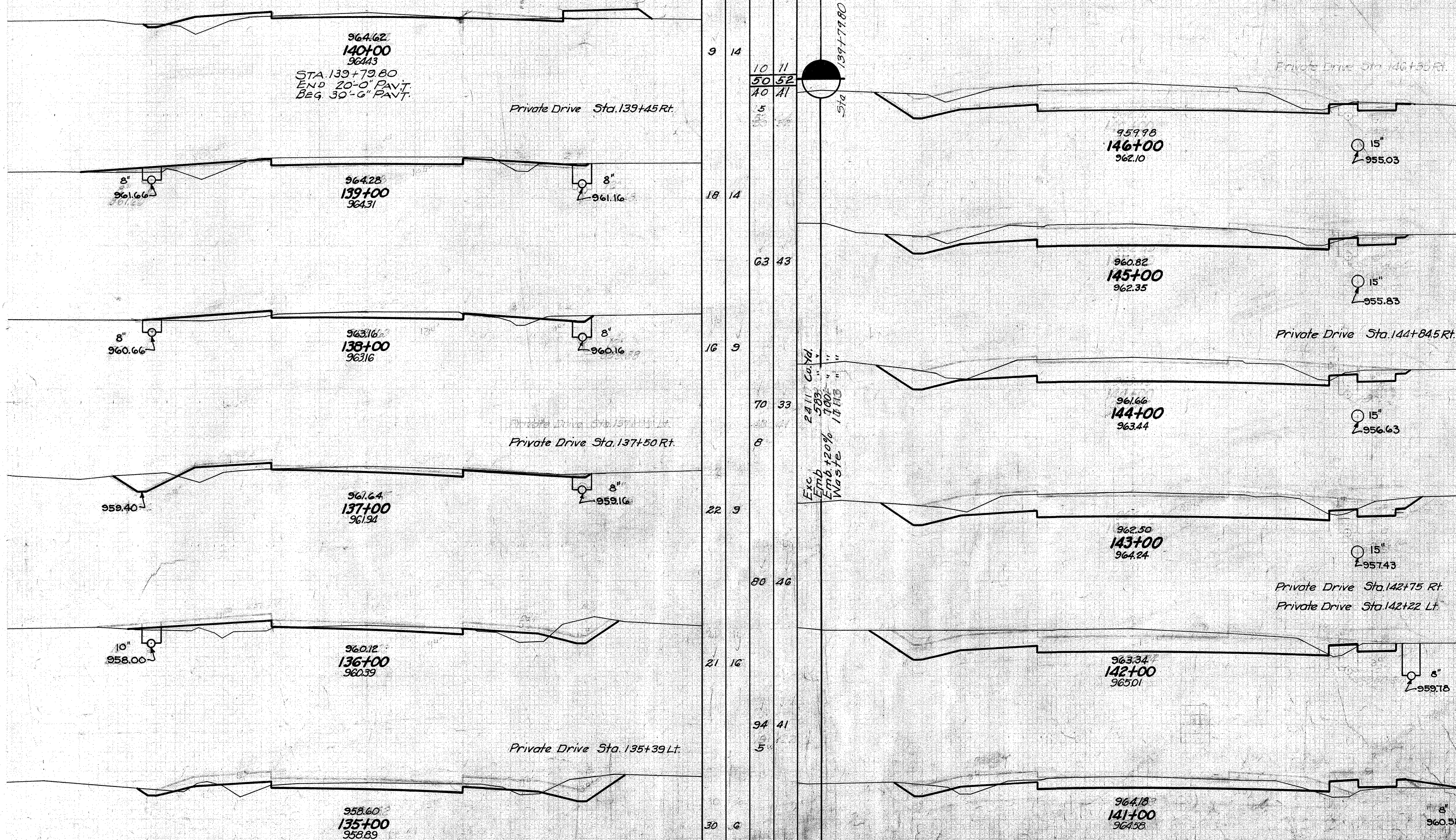
END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
39	2		
		132	7
32	2		
		4	
		135	11
41	4		
		100	47
13	20		
		94	56
38	10		
		143	32
39	7		
		113	35



STA. 122+00 ~ 134+00

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	251-4	1933

S.H. 65 SEC. 5, PART C
MONTGOMERY COUNTY



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
9	14	10	11
50	52	40	41
	5		
18	14		
		63	43
16	9		
		70	33
		8	
22	9		
		80	46
21	16		
		94	41
		5	
30	6		
		128	15

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
104	1		
		343	4
81	1		
		5	
		322	4
93	1		
		365	4
104	1		
		5	
		6	
		385	7
104	3		
		265	28
		89	48

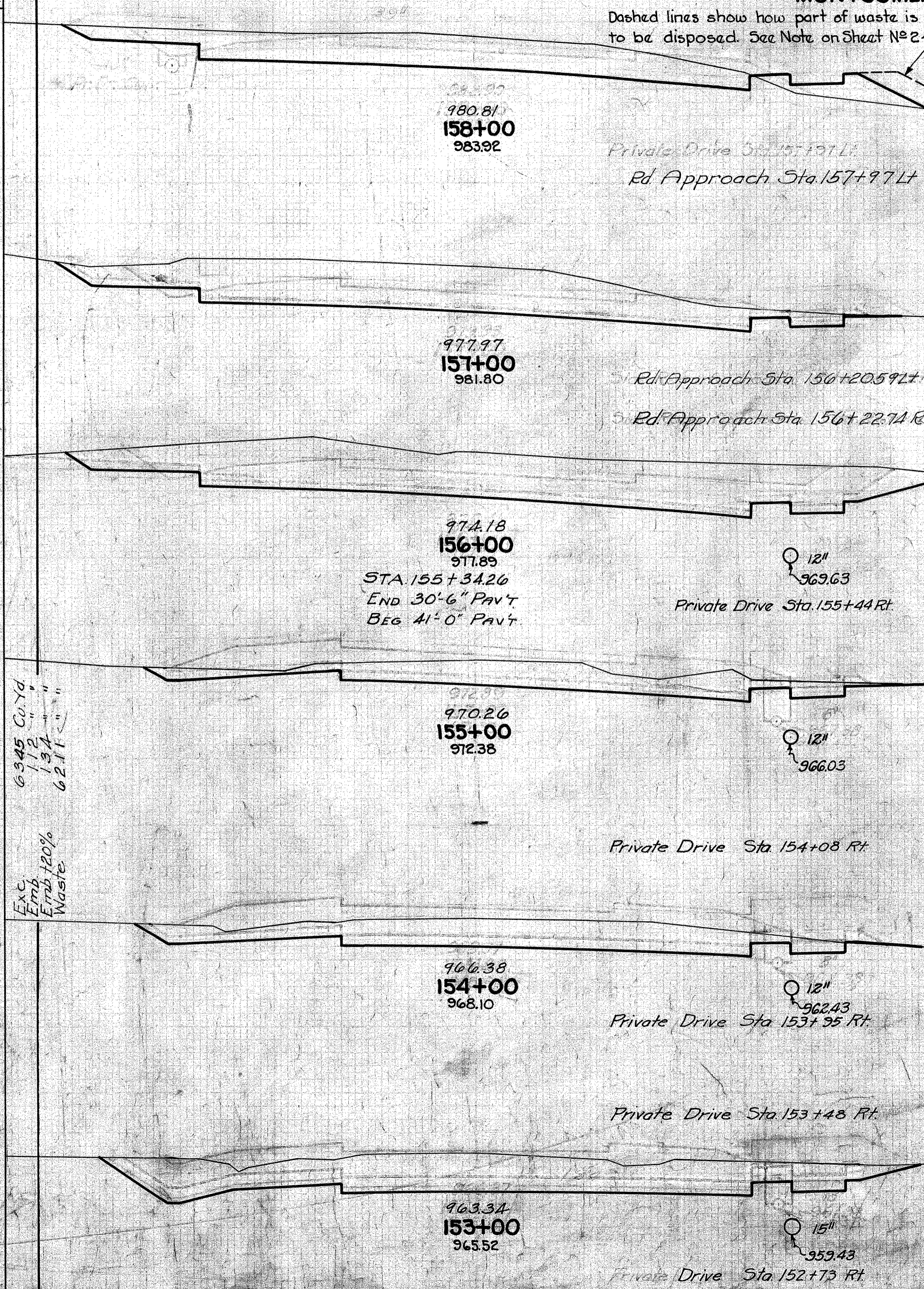
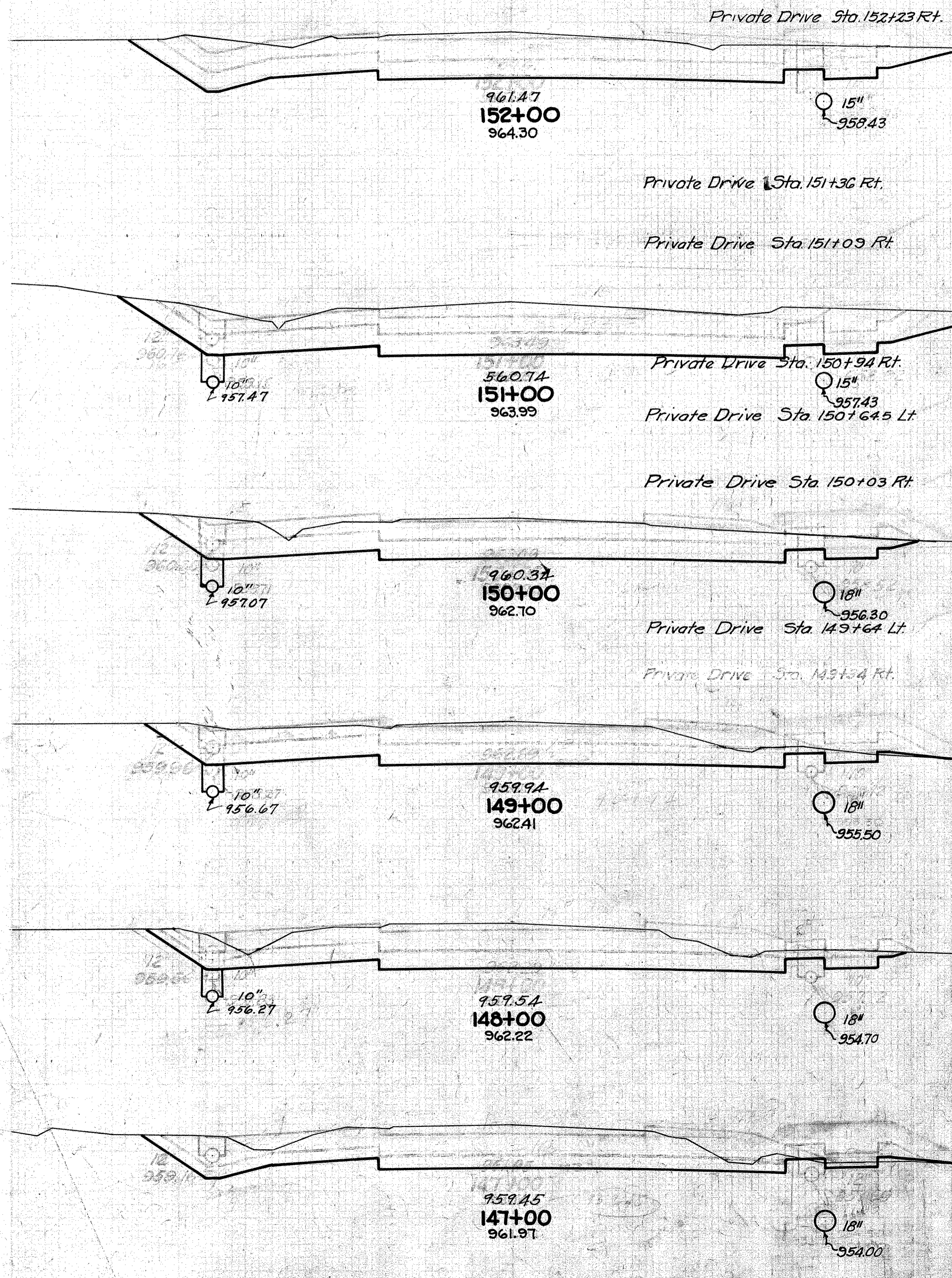
Exc Emb Waste 2411 Cu Yd
583
1002
14113

SH.65 SEC. B, PART C
MONTGOMERY COUNTY

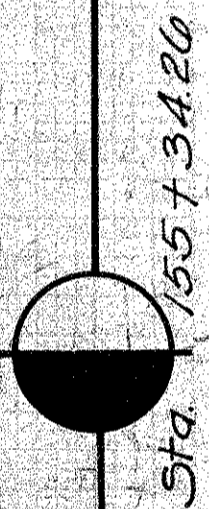
Dashed lines show how part of waste is to be disposed. See Note on Sheet No 2

END AREA	CU. YDS.	CUT	FILL	CUT	FILL
169	0	4			
674	0	4			
195	0	2			
131	0	2			
123	0	4			
128	0	604	0		
128	0	19			
128	0	2			
128	0	4			
116	11	4			

END AREA	CU. YDS.	CUT	FILL	CUT	FILL
105	13				
145	0				
195	0				
66	0				
282	2				
86	0				
134	0				

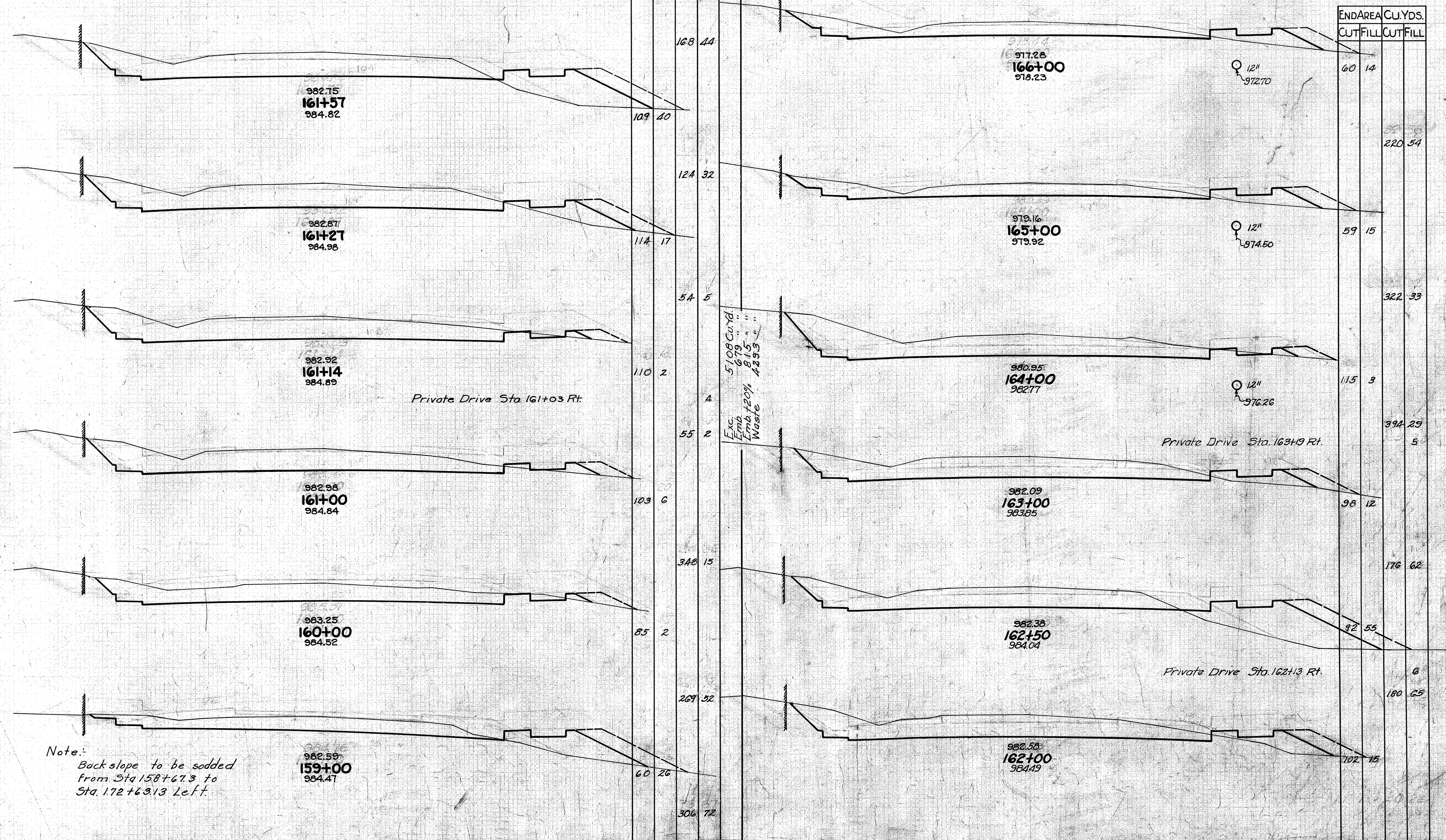


Exc. Emb. 120% Waste



S.H. 65 SEC. 5 PART C
MONTGOMERY COUNTY

Note: Dashed lines show how part of waste is to be disposed. See Note on Sheet No 2



Exc. Emb. Waste 5108 Cu. Yd. 679 " " 815 " " 4393 " "

Private Drive Sta. 161+03 Rt.

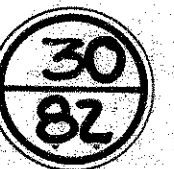
Private Drive Sta. 163+19 Rt.

Private Drive Sta. 162+13 Rt.

Note: Back slope to be sodded from Sta. 158+67.3 to Sta. 172+63.13 Left.

STA. 159+00 - 166+00

FED. AID DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	381-4	1933

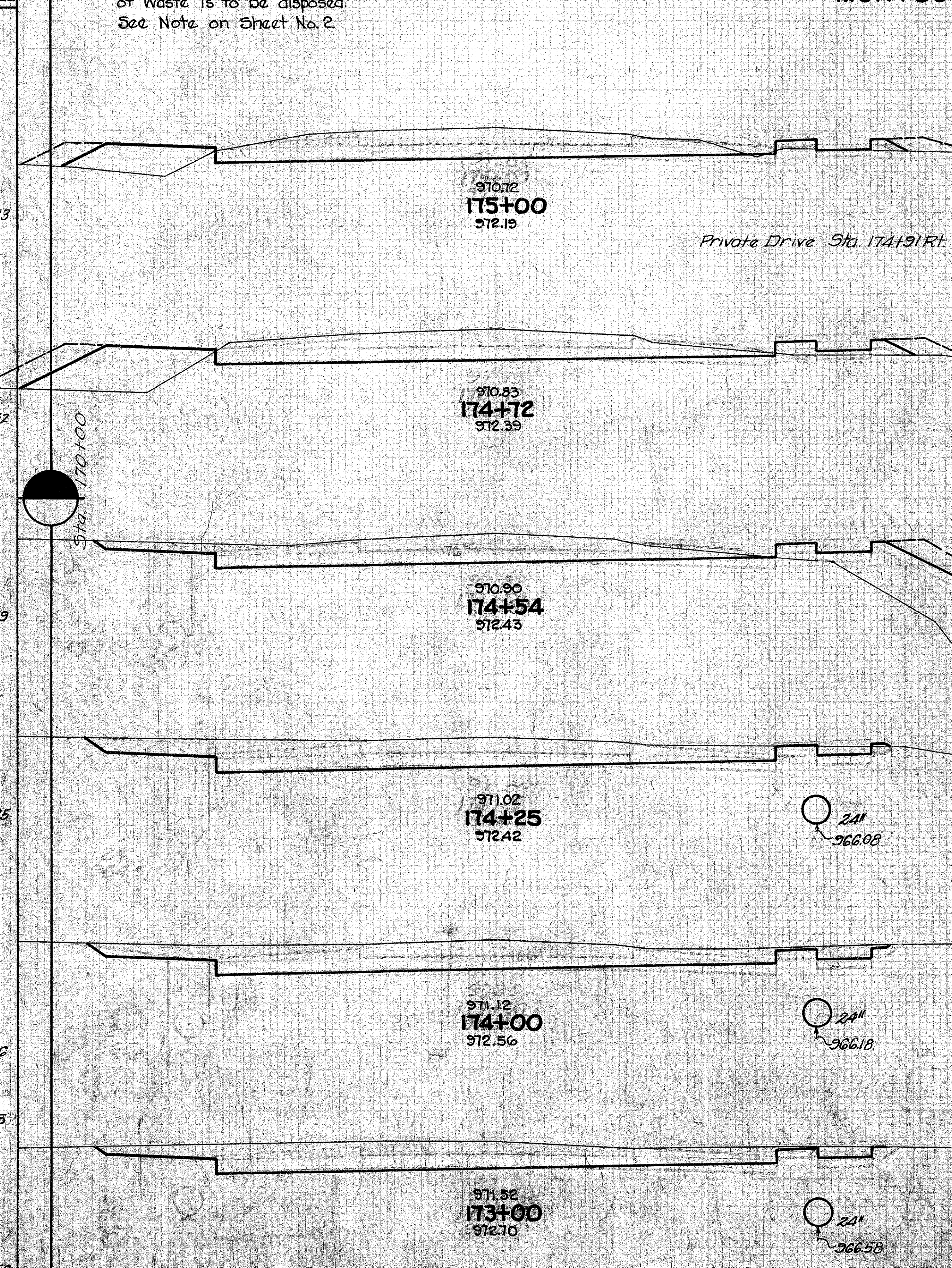
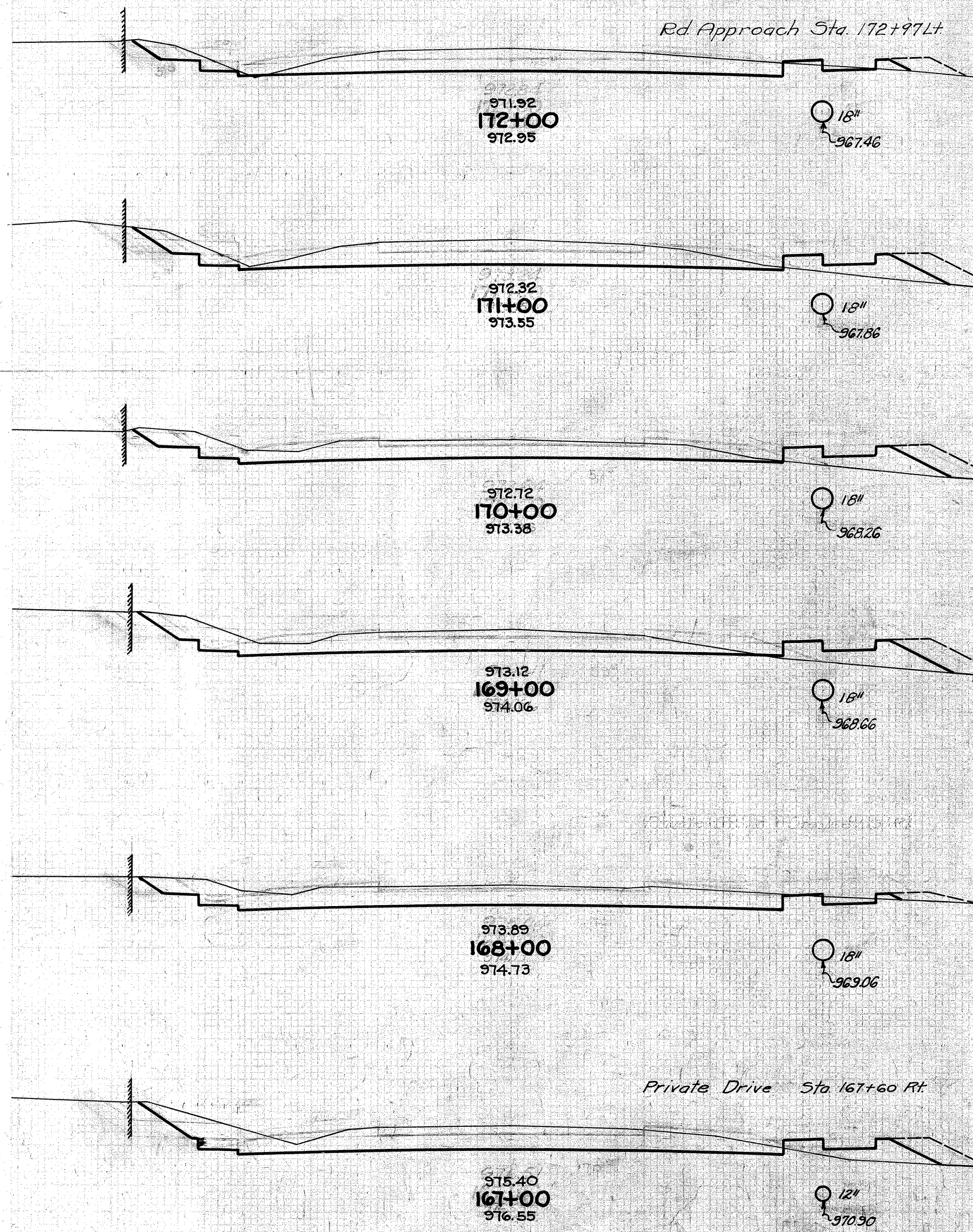


SH.65 SEC. B. PART C
MONTGOMERY COUNTY

Note: -
Dashed lines show how part of Waste is to be disposed.
See Note on Sheet No. 2

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
			35
63	4		
		239	33
66	14		
		231	52
59	14		
		222	59
61	18		
		250	35
74	1		
		270	26
			5
72	13		
		244	50

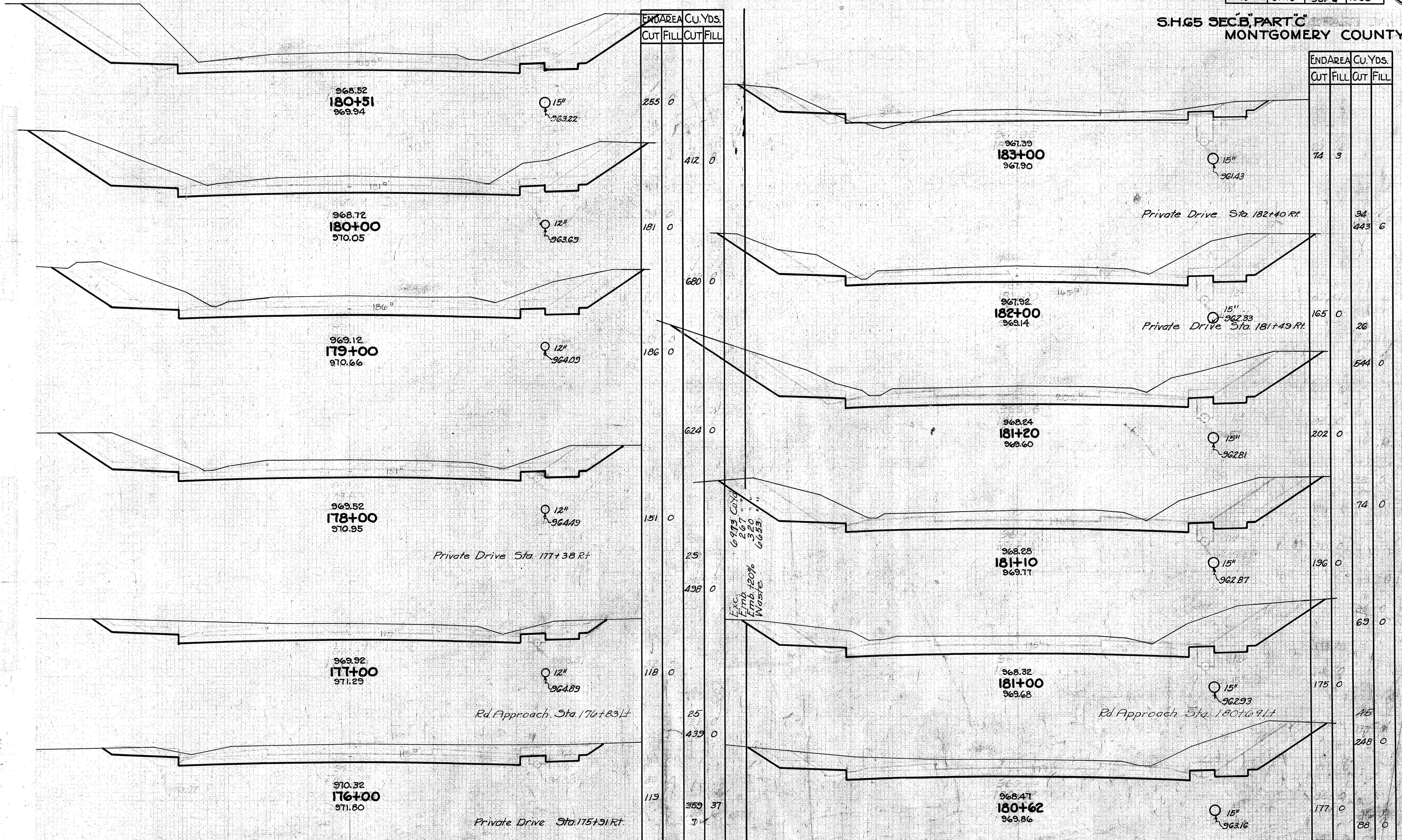
END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
75	20		
			2
		78	28
		76	34
		51	30
		76	57
		96	31
		102	0
		96	0
		106	0
			376
		97	0
			230



STA 167+00 - 175+00

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	1933	1933

S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY



END AREA	CU. YDS.	
	CUT	FILL
255	0	
412	0	
181	0	
680	0	
186	0	
624	0	
151	0	
25		
498	0	
118	0	
25		
439	0	
119	369	37
	7	

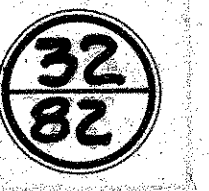
END AREA	CU. YDS.	
	CUT	FILL
74	3	
34		443
165	0	26
544	0	
202	0	
74	0	
196	0	
63	0	
175	0	
45		
248	0	
177	0	
		88

STA 176+00-183+00

BEGIN. PROPOSAL No. 2. F.A.P. NRM 581-H
STA. 192+84

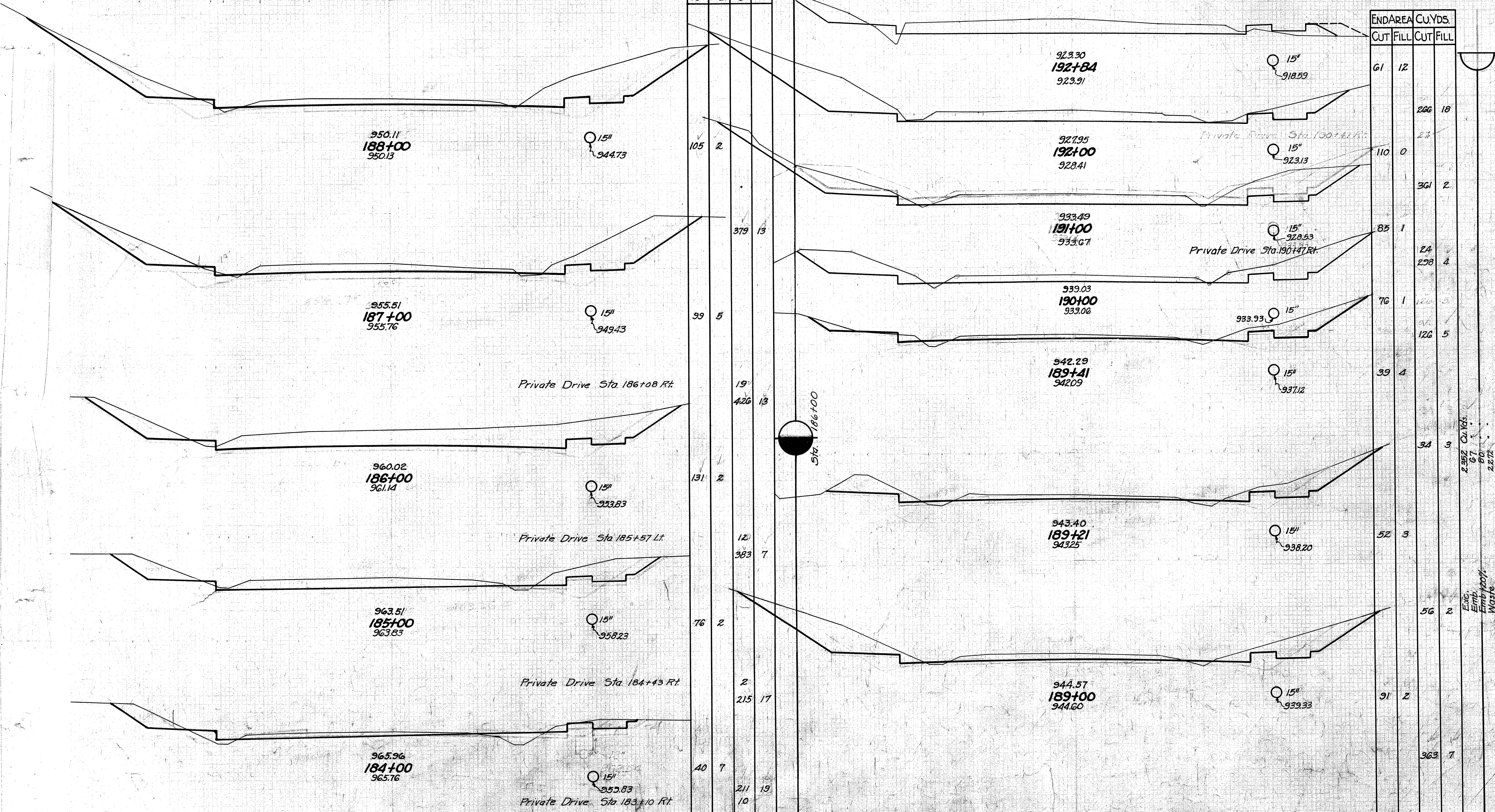
END OF PROPOSAL No. 1. F.A.P. NRH 581-G 3.H.65 SEC. B PART C
MONTGOMERY COUNTY

FED. AID DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	581-G	1933



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
105	2		
		379	13
99	5		
		19	13
426			
131	2		
		12	7
383			
76	2		
		2	17
		215	
40	7		
		211	19
		10	

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
61	12		
		266	18
110	0		
		361	2
85	1		
		24	4
		298	
76	1		
		126	5
39	4		
		34	3
52	3		
		56	2
91	2		
		363	7



STA. 184+00 - 190+00

Exc. Emb. Emb. prof. Waste
2562 Cu. Yds.
67
80
2272

SH. 65 SEC. B PART C MONTGOMERY COUNTY

P.C. Sta 0-194.07 P.T. Sta 0-32.47 D=1°00' Lt. Table with columns: Left (Edge of Pav't, Width), Station, Grade Elev., Right (Width, Edge of Pav't). Rows include stationing from 0-294.07 to 0+67.53.

No Extra Pav't.

P.C. Sta 135+10.61 P.T. Sta 137+36.44 D=4°00' Rt. Table with columns: Left (Edge of Pav't, Width), Station, Grade Elev., Right (Width, Edge of Pav't). Rows include stationing from 134+10.61 to 136+44.

No Extra Pav't.

P.C. Sta 154+42.2 P.T. Sta 158+95.37 D=5°00' Rt. Table with columns: Left (Edge of Pav't, Width), Station, Grade Elev., Right (Width, Edge of Pav't). Rows include stationing from 153+42.2 to 158+00.

No Extra Pav't.

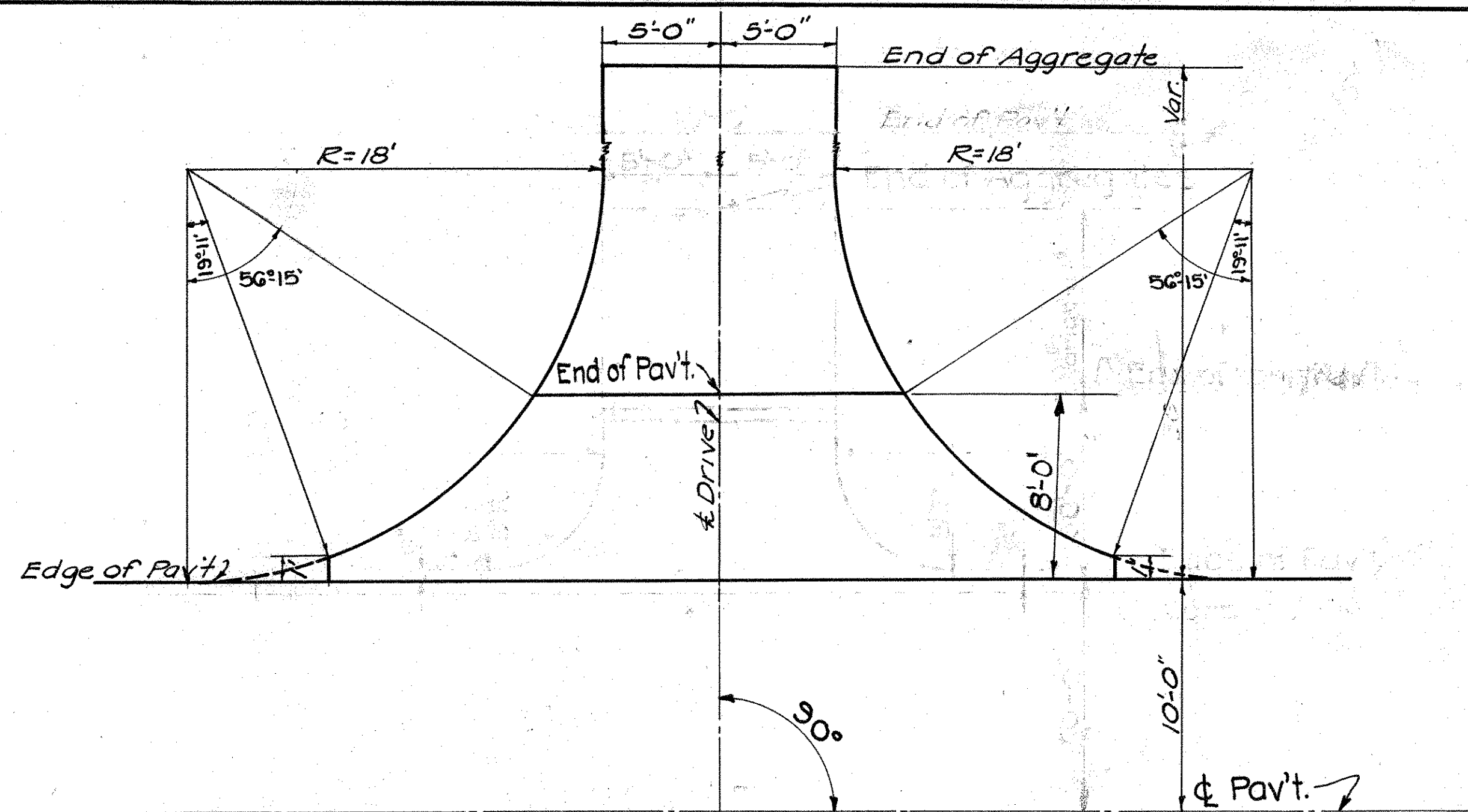
P.C. 24+09.52 P.I. 24+93.63 P.T. 25+81.19 D=0°30' Rt. Table with columns: Left (Edge of Pav't, Width), Station, Grade Elev., Right (Width, Edge of Pav't). Rows include stationing from 23+09.52 to 26+81.19.

P.C. 62+48.46 P.T. 65+63.46 D=0°30' Lt. Table with columns: Left (Edge of Pav't, Width), Station, Grade Elev., Right (Width, Edge of Pav't). Rows include stationing from 61+48.46 to 63+46.

P.C. 84+65.72 P.T. 87+45.65 D=0°30' Rt. Table with columns: Left (Edge of Pav't, Width), Station, Grade Elev., Right (Width, Edge of Pav't). Rows include stationing from 83+65.72 to 88+45.65.

P.C. 172+67.28 P.T. 175+17.12 D=0°30' Lt. Table with columns: Left (Edge of Pav't, Width), Station, Grade Elev., Right (Width, Edge of Pav't). Rows include stationing from 171+67.28 to 176+17.12.

P.C. 183+35.17 P.T. 184+81.76 D=0°30' Lt. Table with columns: Left (Edge of Pav't, Width), Station, Grade Elev., Right (Width, Edge of Pav't). Rows include stationing from 182+35.17 to 185+81.76.



TYPICAL PRIVATE DRIVE No 1

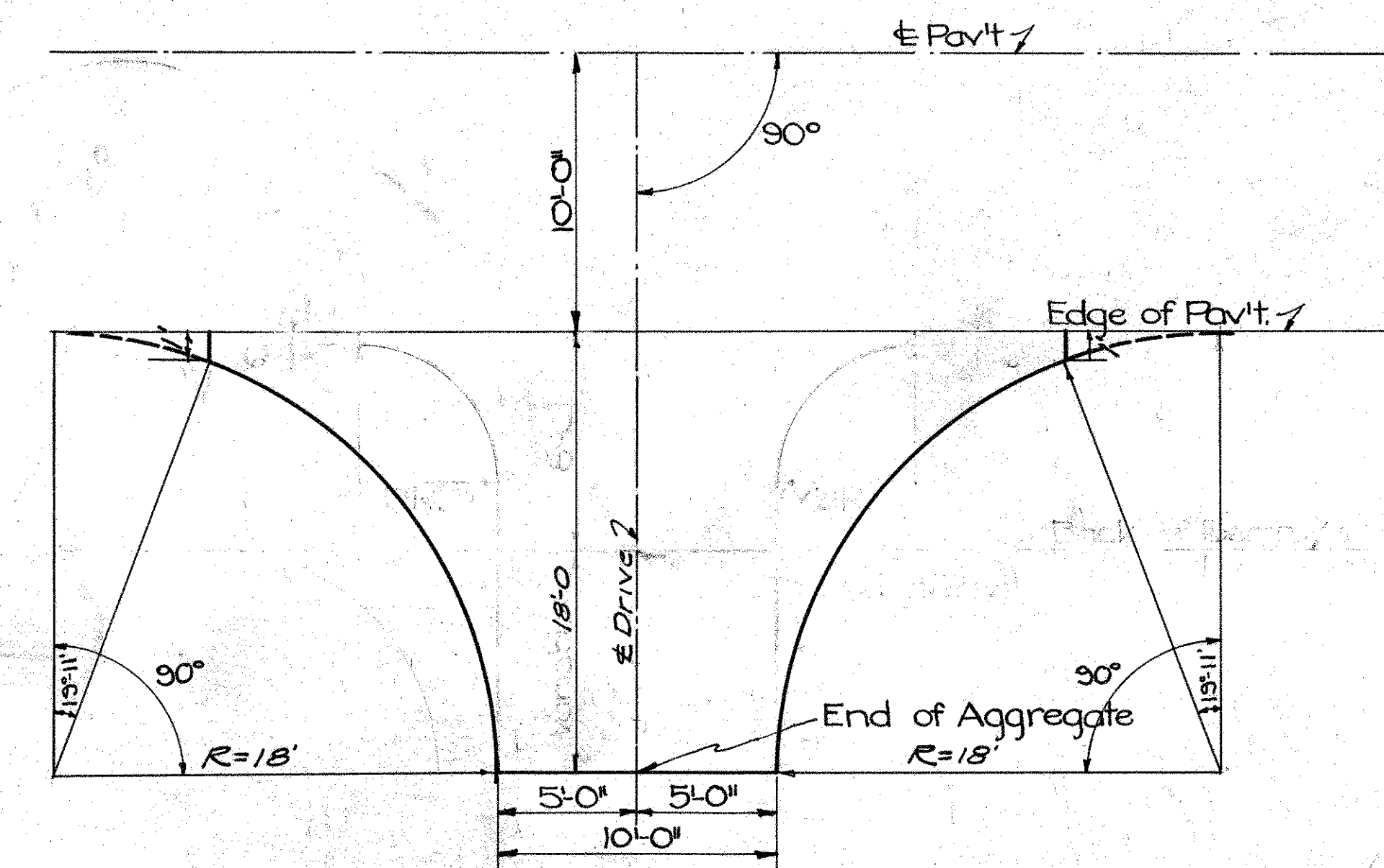
Scale 1" = 5'-0"
Build drive as shown
6" Pav't. (Item T-10) 21.7 Sq.Yd.
No 46 Aggregates 4 Cu.Yd.

TYPICAL PRIVATE DRIVE No 1

To be used at the following Stations

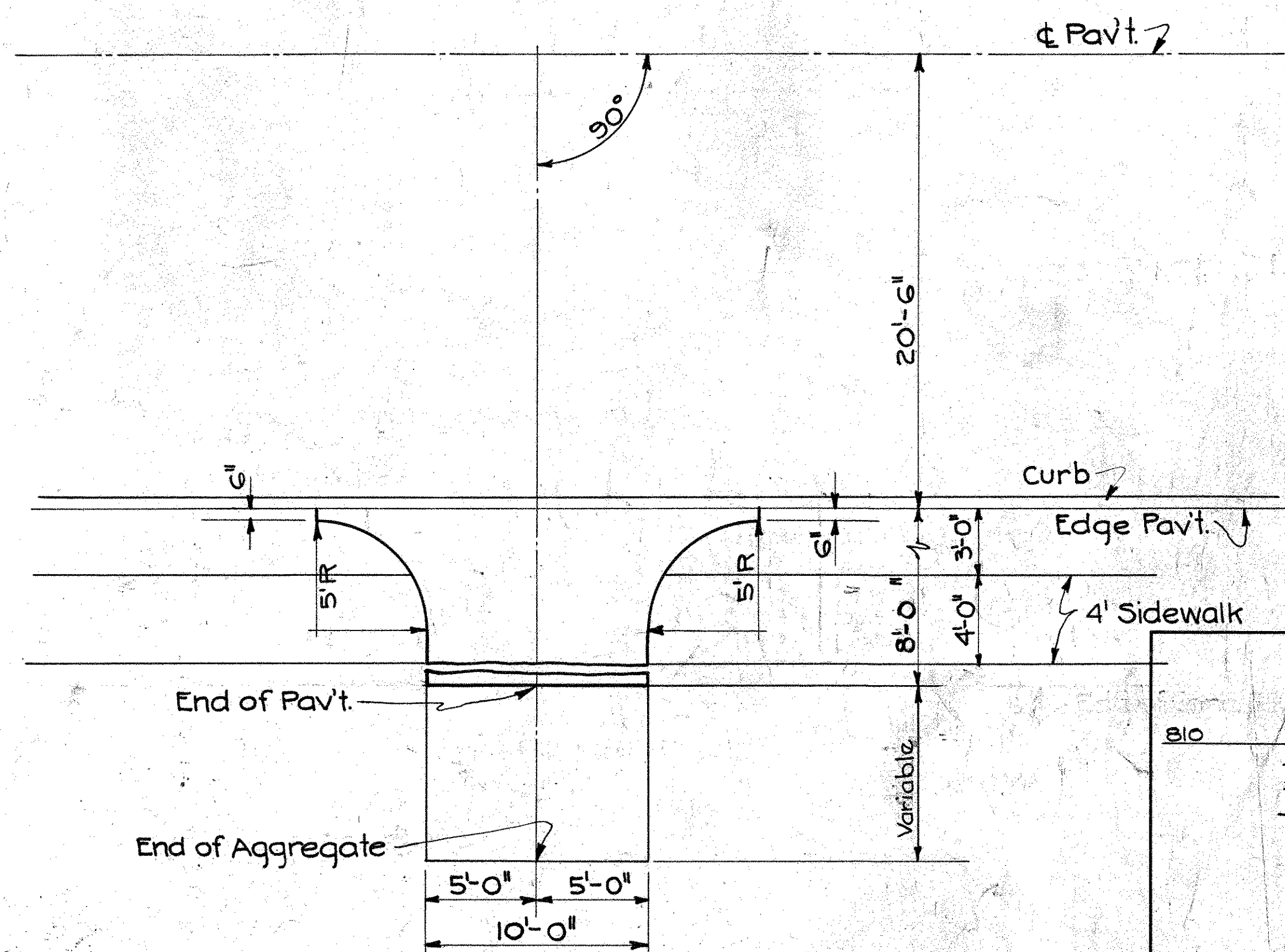
20' PAVEMENT

Sta.	4+64	Rt.
"	9+52	"
"	79+82	"
"	100+33	"
"	88+78	"
"	89+18	"
"	111+42	"
"	94+65	Lt.
"	104+85	Rt.
"	132+90	Rt.
"	137+95	Lt.
"	111+42	Rt.
"	100+33	Rt.



TYPICAL FIELD DRIVE No 3

Scale 1" = 5'-0"
Build drive as shown
No 46 Aggregate 5 Cu.Yd.



TYPICAL PRIVATE DRIVE No 2

Scale 1" = 5'-0"
Build drive as shown
6" Pav't. (Item T-10) 10.6 Sq.Yd.
Deduct 4" conc. Sidewalk 10 lin.ft. (Net Deduct.)
No 46 Aggregate 3 Cu.Yd.
Depress Curb as directed

TYPICAL PRIVATE DRIVE No 2

To be used at the following Stations

30.5' PAVEMENT

Sta.	150+04	Rt.
"	151+05	"
"	151+36	Rt.
"	152+23	"
"	152+73	"
"	153+48	"
"	153+95	"
"	154+08	"

4' PAVEMENT

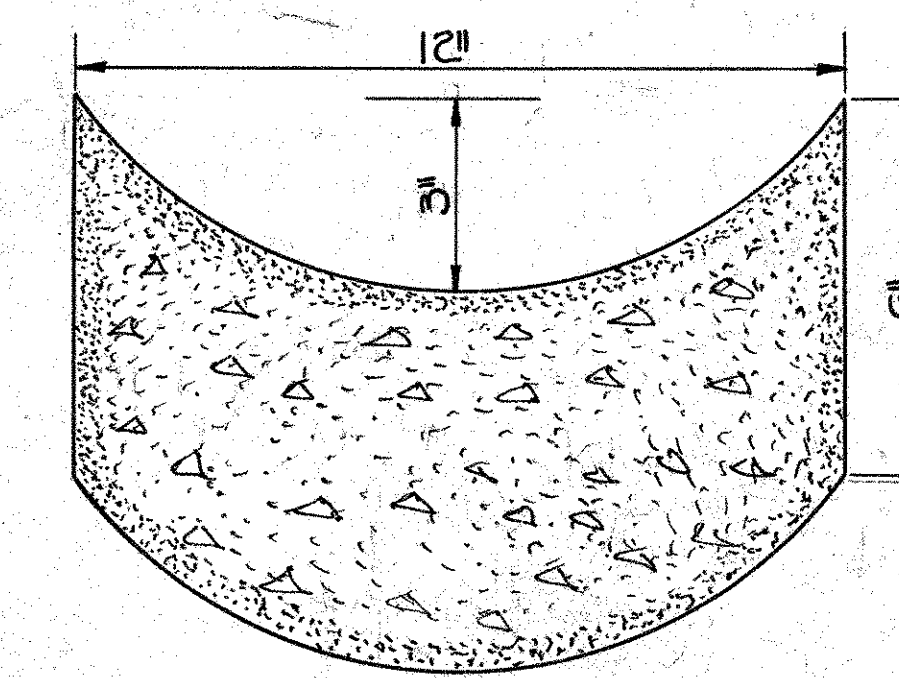
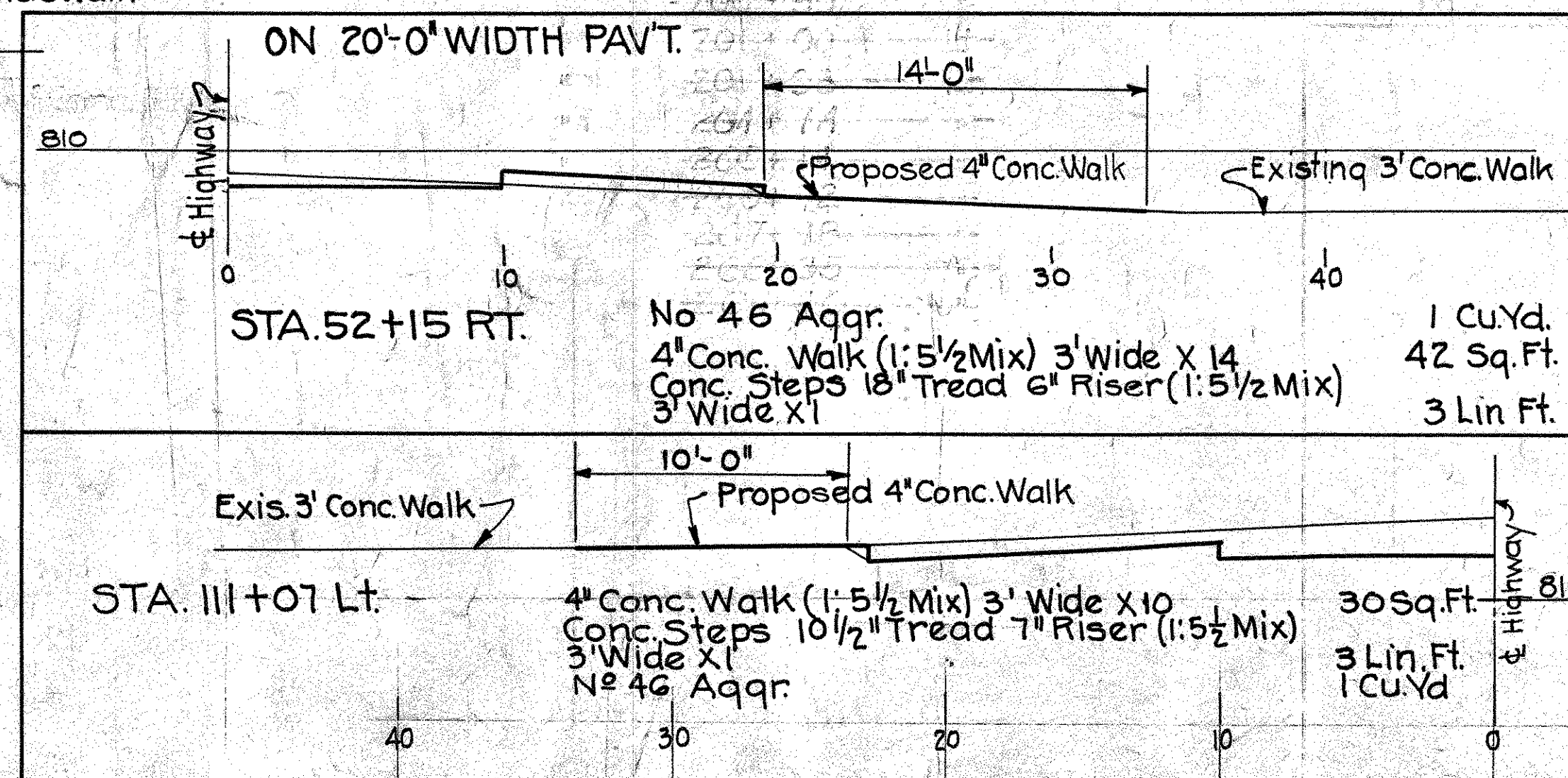
Sta.	155+44	Rt.
"	168+13	"

TYPICAL FIELD DRIVE No 3

To be used at the following Stations

20' PAVEMENT

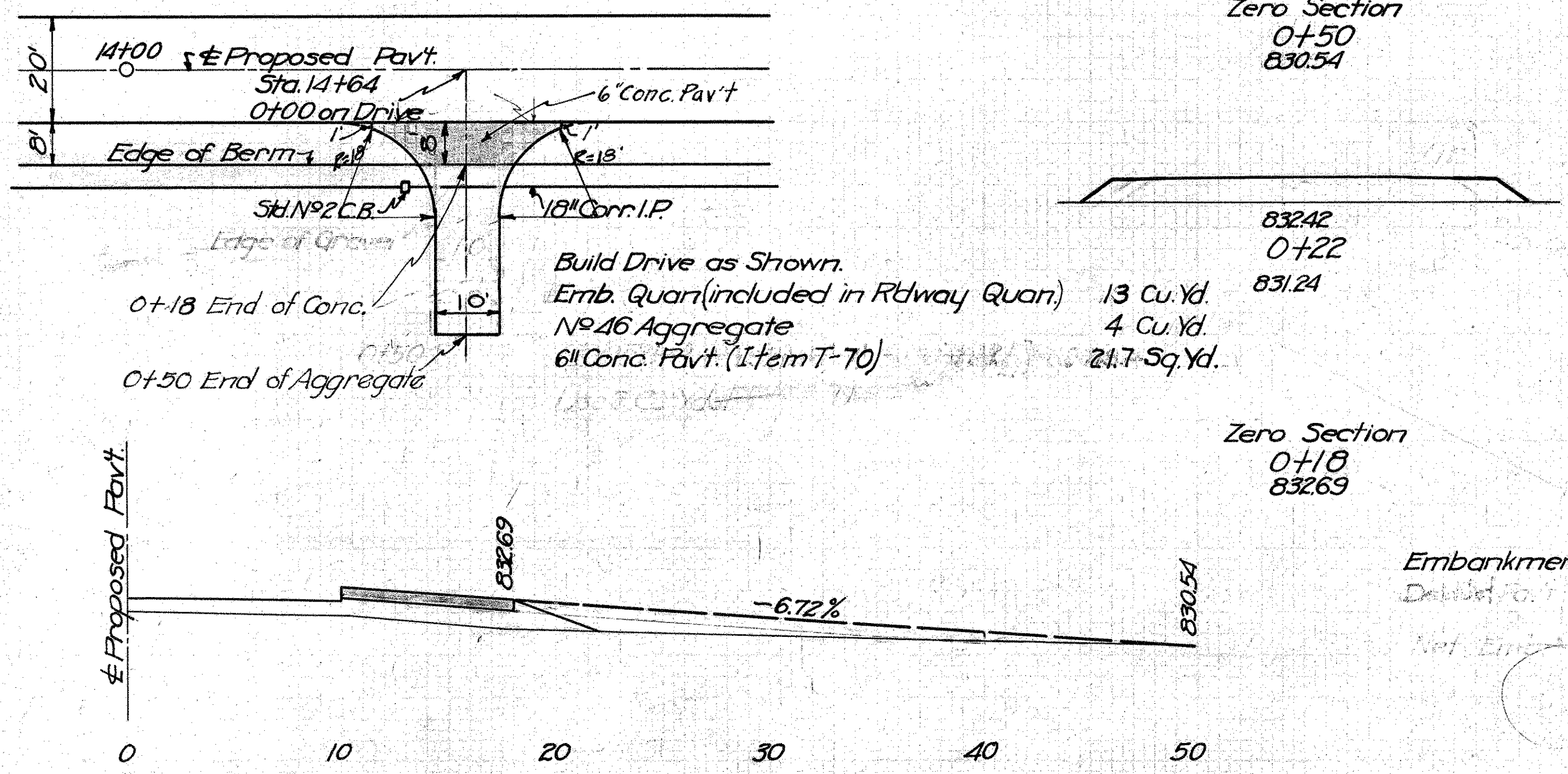
Station	12+24	Lt.
"	13+90	Rt.
"	14+25	Lt.
"	18+57	Lt.
"	28+37	Rt.
"	28+63	Lt.
"	30+50	Rt.
"	30+66	Lt.
"	111+90	Rt.
"	124+76	Lt.



CONCRETE GUTTER (1:5 1/2 Mix)

Scale 1" = 3"
Area = 0.5 Sq.Ft.

PRIVATE DRIVE
STA. 14+64 RT.



Zero Section
0+50
830.54

83242
0+22
831.24

Zero Section
0+18
832.69

EMB.	
End Area	Cu. Yd.
0	11
23.0	23.0
21	21
0	0

Embankment = 130 Cu. Yds.

Build Drive as Shown.
Emb. Quar. (included in Rdwy. Quar.) 13 Cu. Yd.
No. 46 Aggregate 4 Cu. Yd.
6" Conc. Pavt. (Item T-70) 21.7 Sq. Yd.

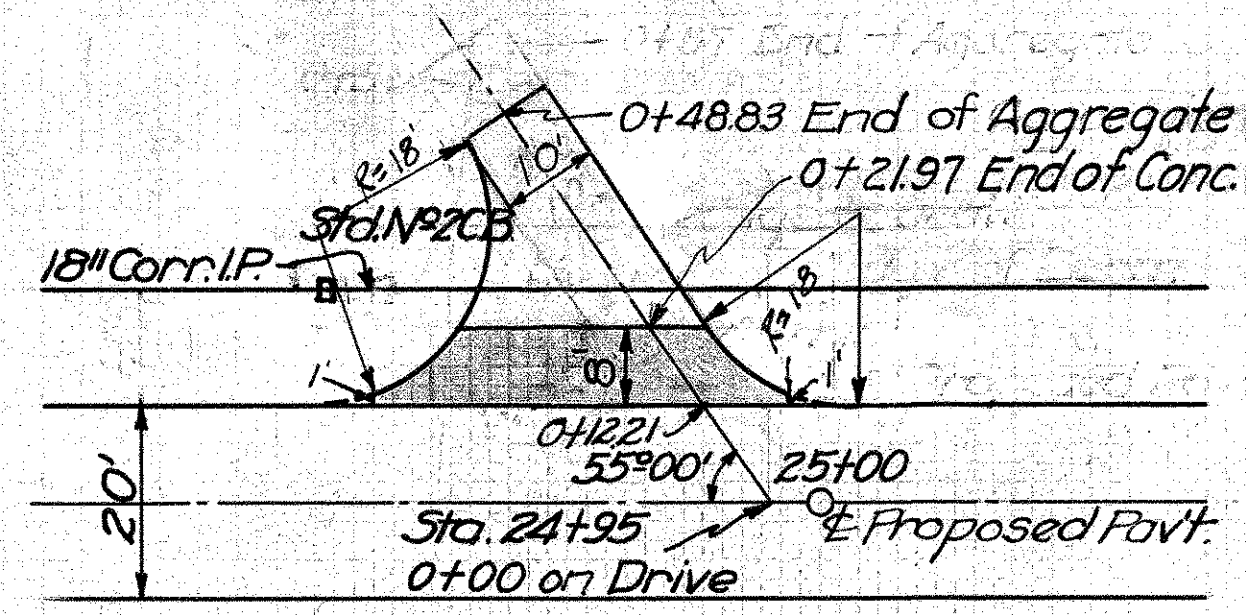
PRIVATE DRIVE
STA. 24+95 Lt.

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	531-6	1933

35
82

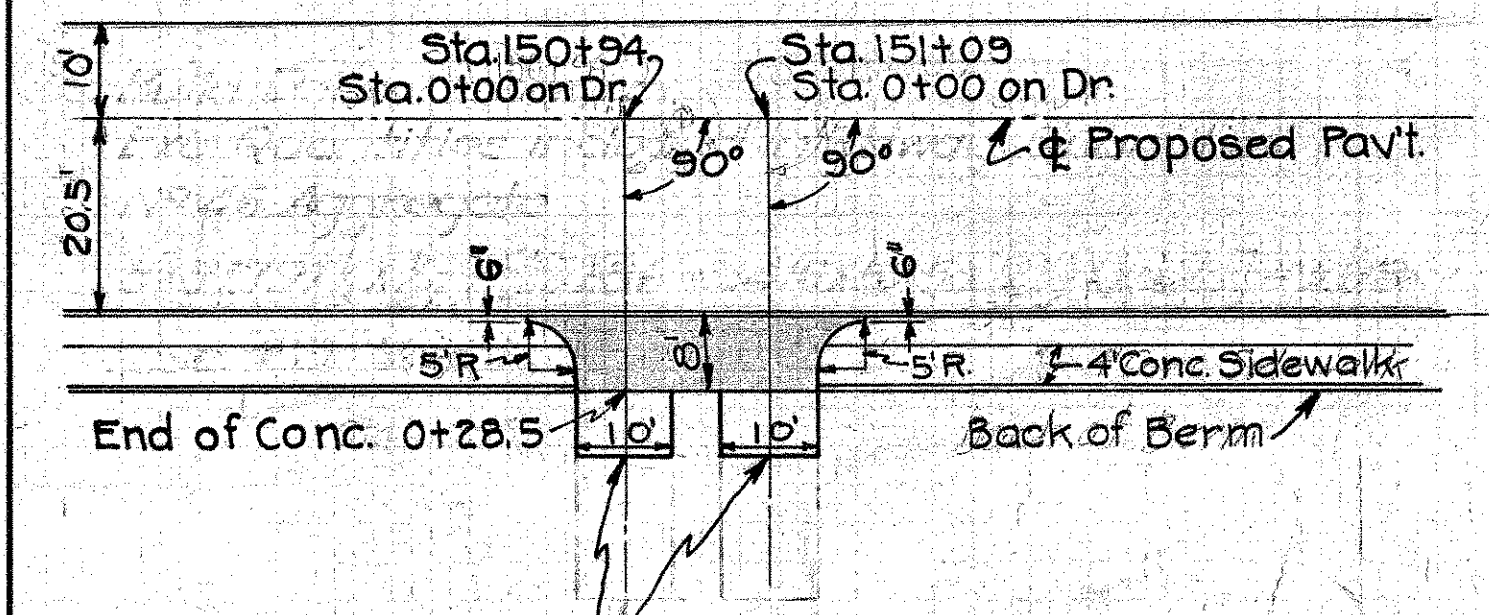
S.H. 65 SEC. B PART C
MONTGOMERY COUNTY

PRIVATE DRIVE
STA. 150+94 RT. & STA. 151+09 RT.



EST. QUANTITIES

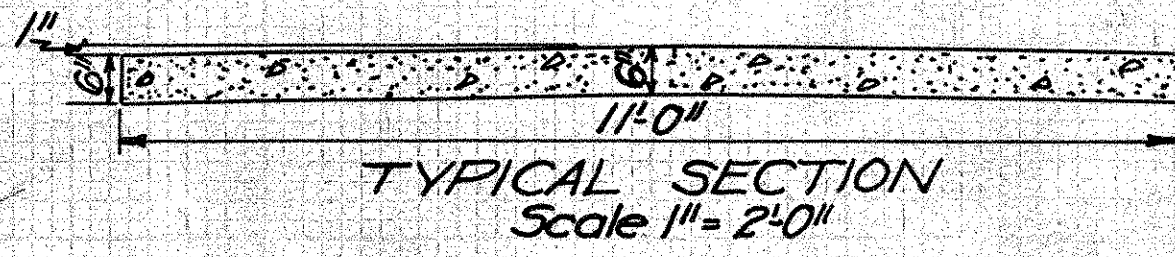
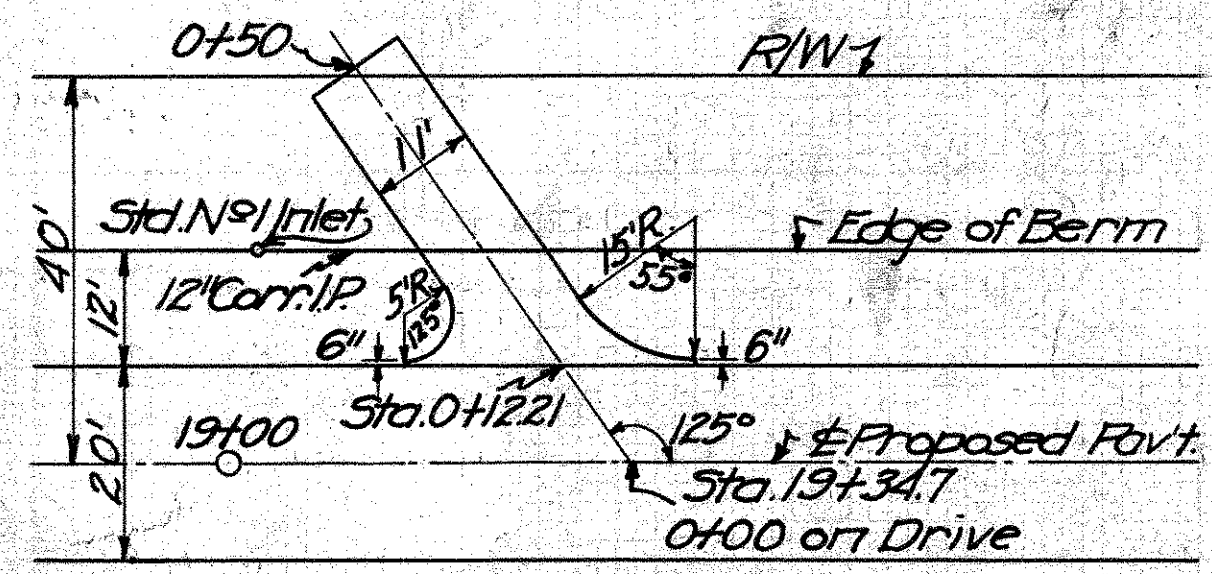
6" Conc. Pavt. (Item T-70) 30.8 Sq. Yds.
No. 46 Aggregate 5 Cu. Yd.
Exc. (incl. in Rdwy. Quar.) 5 Cu. Yds.



EST. QUANTITIES

Build Drive as Shown.
Depress Curb as Directed 240 Sq. Yd.
6" Conc. Pavt. (Item T-70) 2 Cu. Yd.
No. 46 Aggregate 2 Cu. Yd.
4" Conc. Sidewalk (4" thick) 25 Lin. Ft. (Deduction)
Exc. (incl. in Rdwy. Quar.) 4 Cu. Yd.

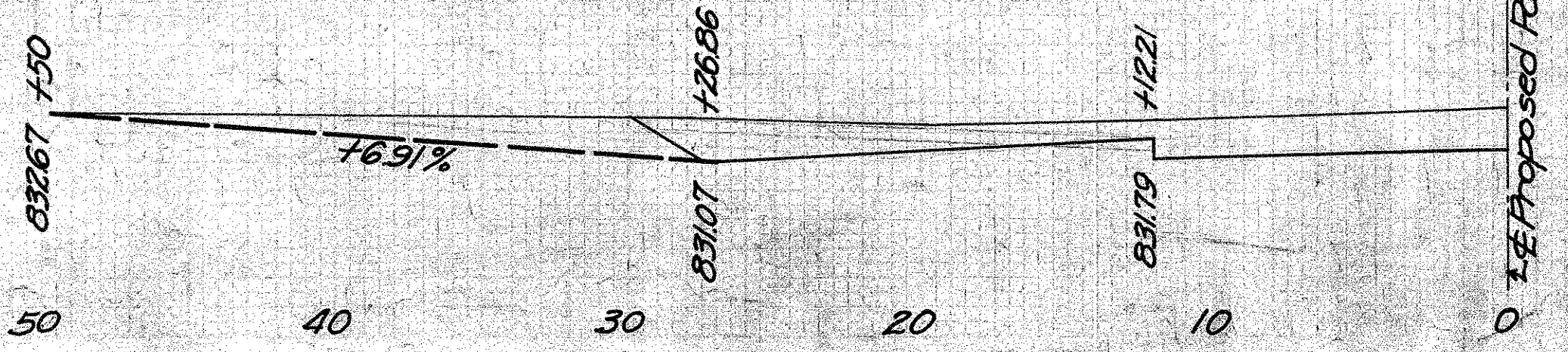
PRIVATE DRIVE



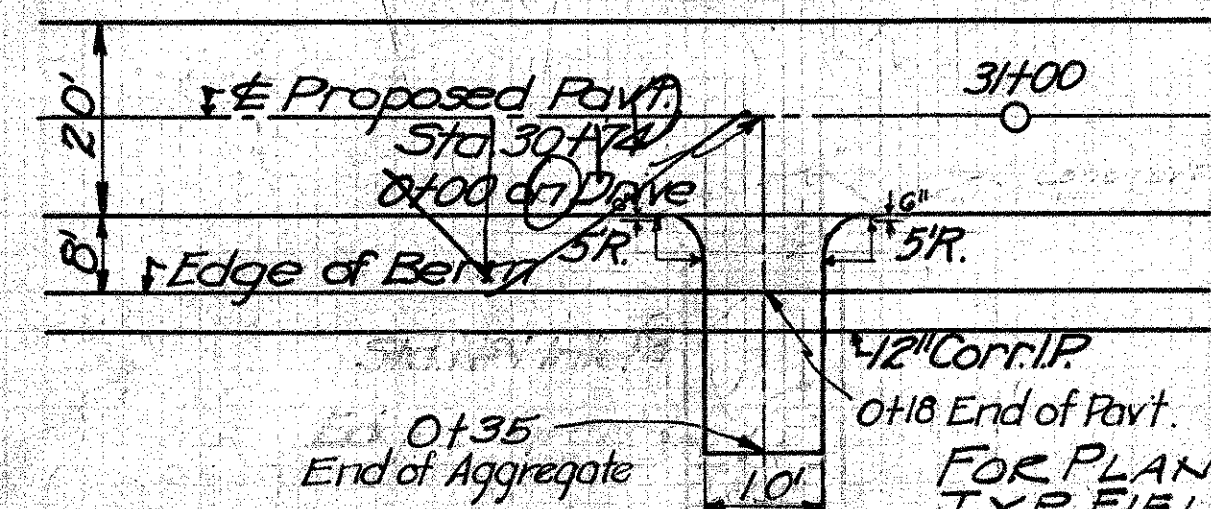
EXC.	End Area	Cu. Yd.
3.5	83267	0+50
10.5	83267	83267
22.9	83246	0+36
1.7	83129	83129
5.5	83107	0+26.86
2.1	83107	83107
6.3	83149	0+17.09
1.7	83149	83149
12.5	83179	0+12.21
	83179	83179

Excavation = 16.0 Cu. Yds.

Build Drive as Shown.
Part Removal in Exc. Quar.
Exc. Quar. in Rdwy. Quar.
50.5 Sq. Yds. 6" Conc. Pavt. (1:5 1/2 Mix)



FIELD DRIVE
STA. 30+74 RT.



Zero Section
0+35
82303

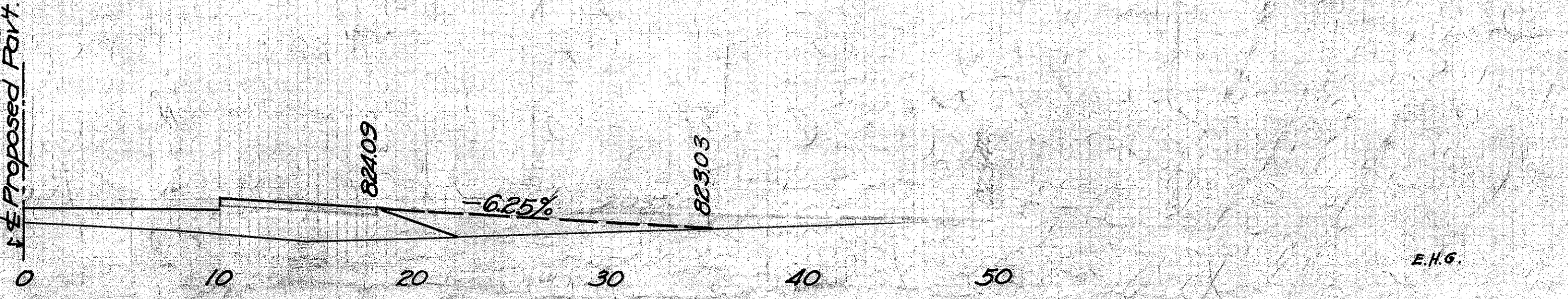
82384
0+22
82257

Zero Section
0+18
82409

EMB.	
End Area	Cu. Yd.
0	5
22	22
2	2
0	0

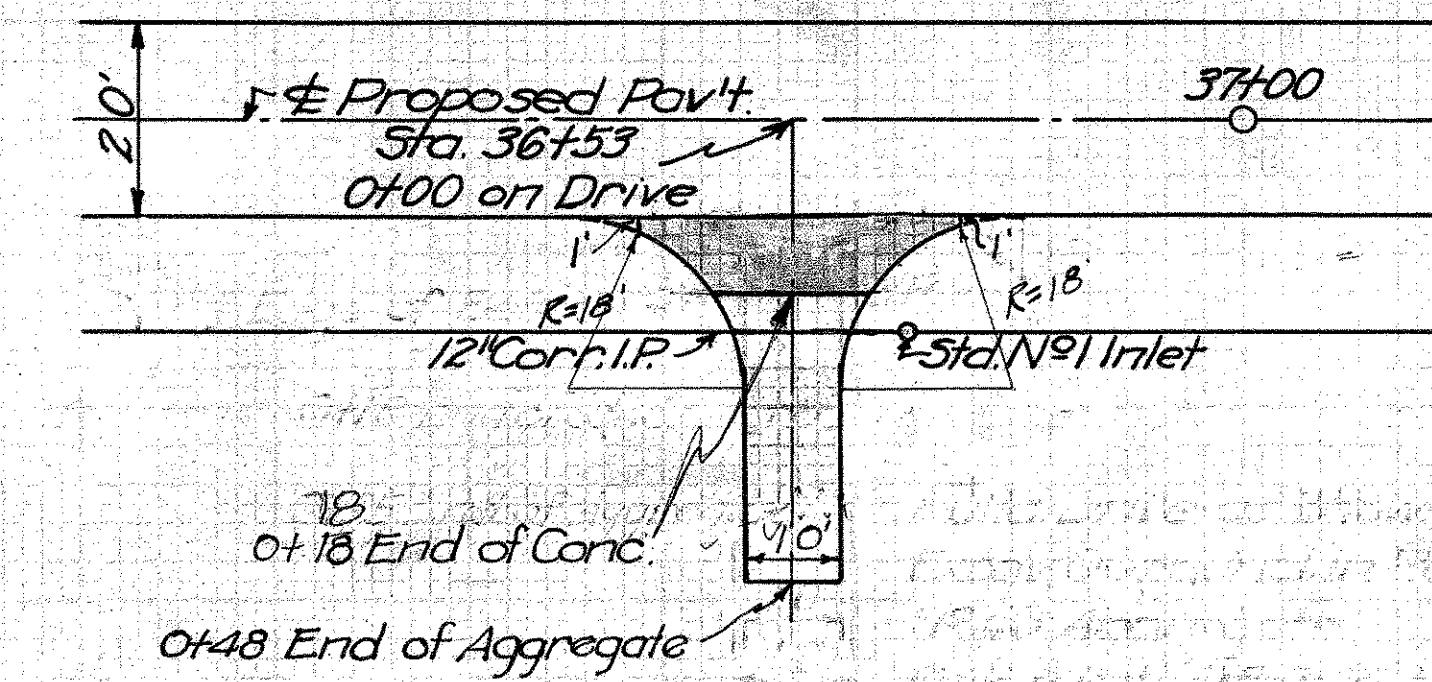
Embankment = 7 Cu. Yds.

Build Drive as Shown.
Emb. Quar. included in Rdwy. Quar. 7 Cu. Yd.
No. 46 Aggregate 6 Cu. Yd.



E.H.G.

**PRIVATE DRIVE
STA. 36+53 Rt.**



EST. QUANTITIES
 6" Conc. Pavt. (Item T-70) 24.7 Sq. Yds.
 No. 46 Aggregate 4 Cu. Yds.
 Exc. (incl. in Rdway Quant.) 8 Cu. Yds.

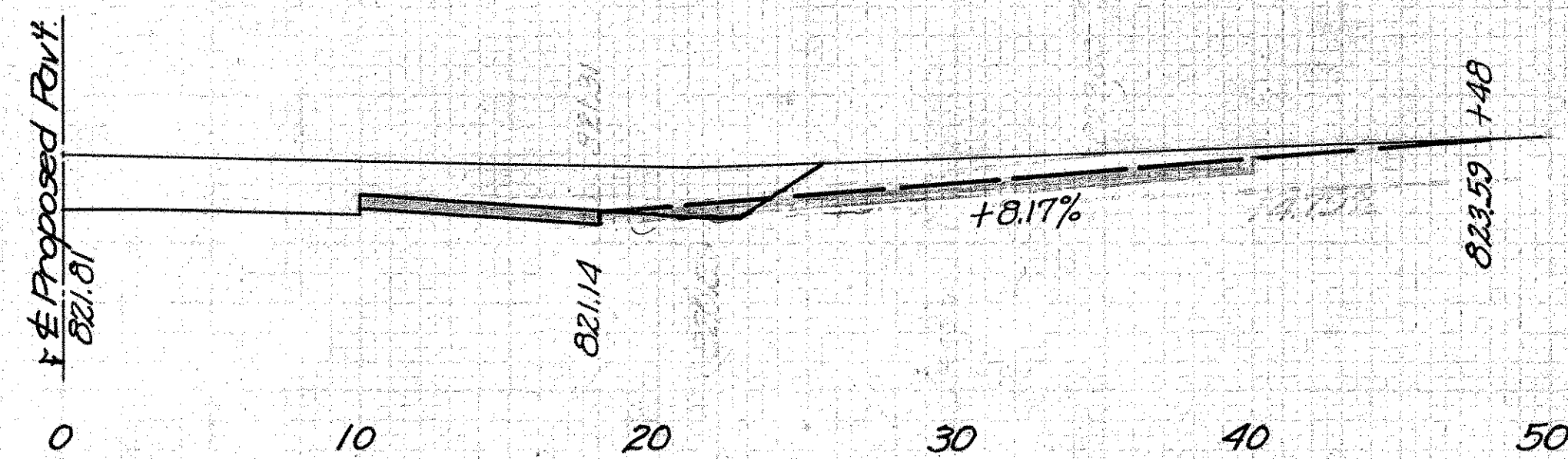
EXC.	
End Area	Cu. Yd.
0	7
17	1
0	8

Zero Section
 0+48
 823.59

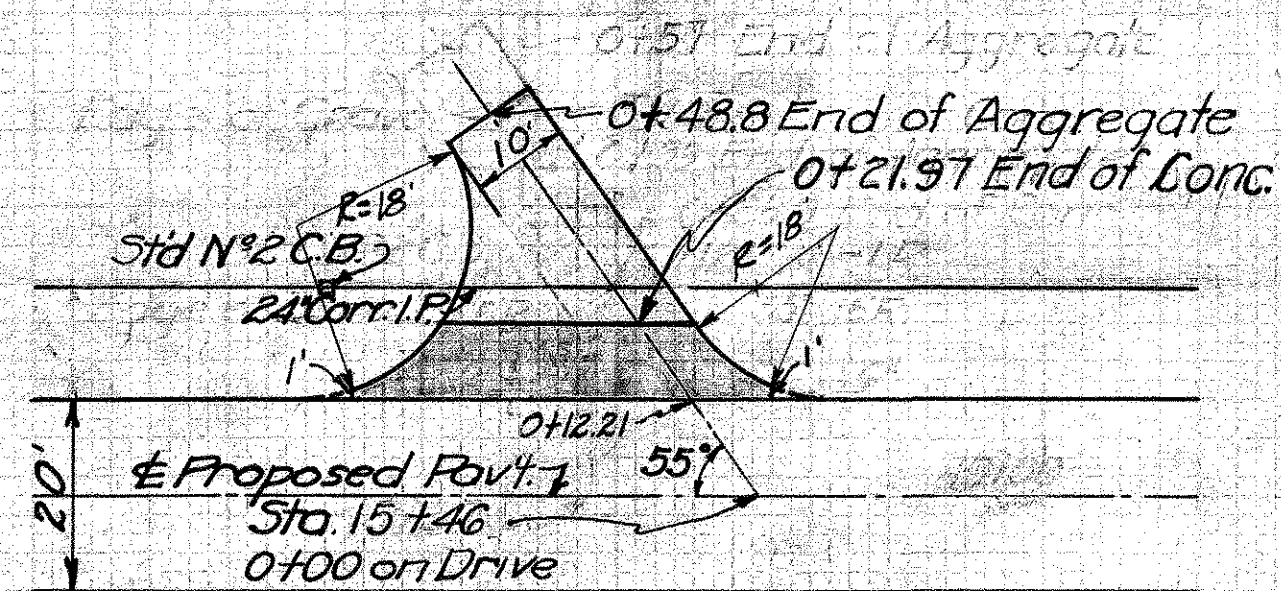
Zero Section
 0+25.5
 821.75

Zero Section
 0+23.5
 821.59

Exc. 8 Cu. Yds.

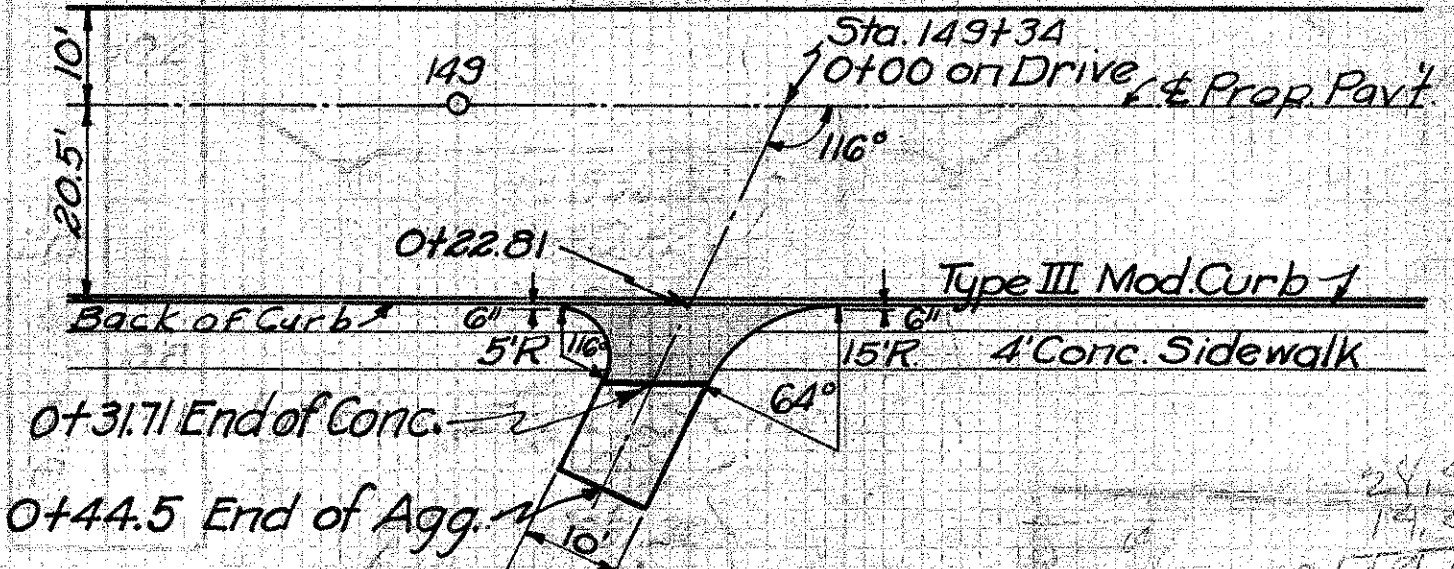


**PRIVATE DRIVE
STA. 15+46 Lt.**



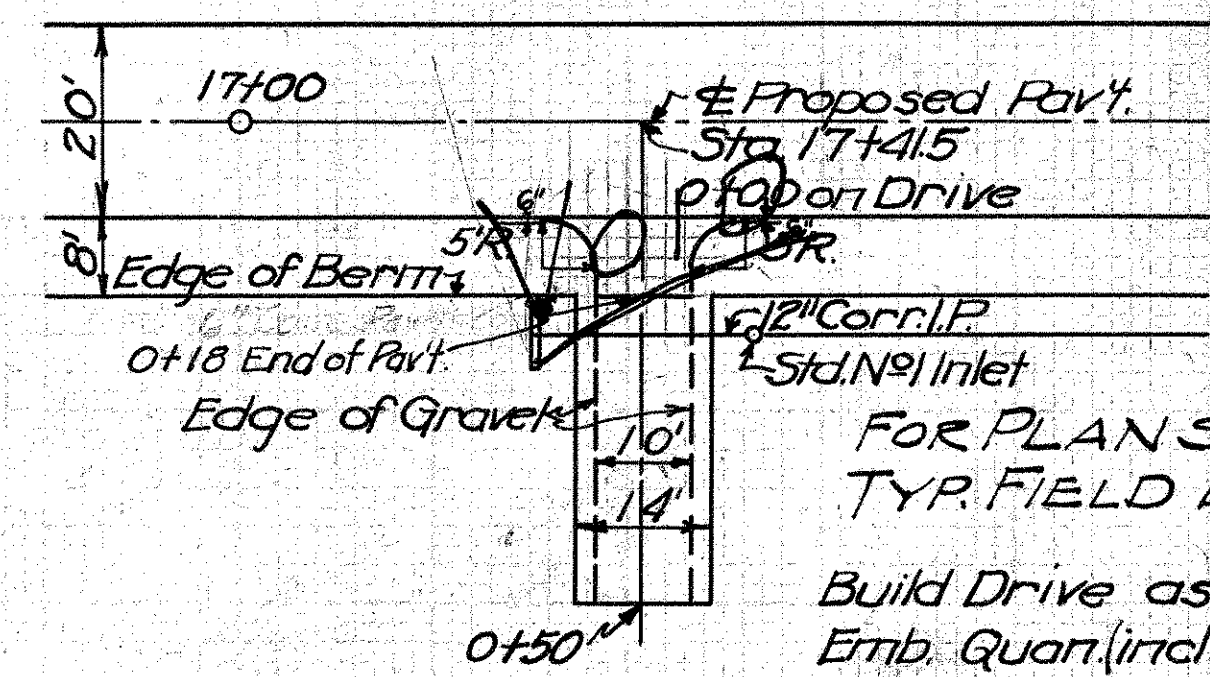
ESTIMATED QUANTITIES
 6" Conc. Pavt. (Item T-70) 30.8 Sq. Yds.
 No. 46 Aggregate 5 Cu. Yds.

**PRIVATE DRIVE
STA. 149+34 Rt.**



Build Drive as Shown
 Depress Curb as Directed.
 6" Conc. Pavt. (Item T-70) 14.1 Sq. Yds.
 No. 46 Aggregate 2 Cu. Yd.
 4" Conc. Sidewalk (4" thick) 13 Lin. Ft. (Net Deduction)

**FIELD DRIVE
STA. 17+41.5 Rt.**



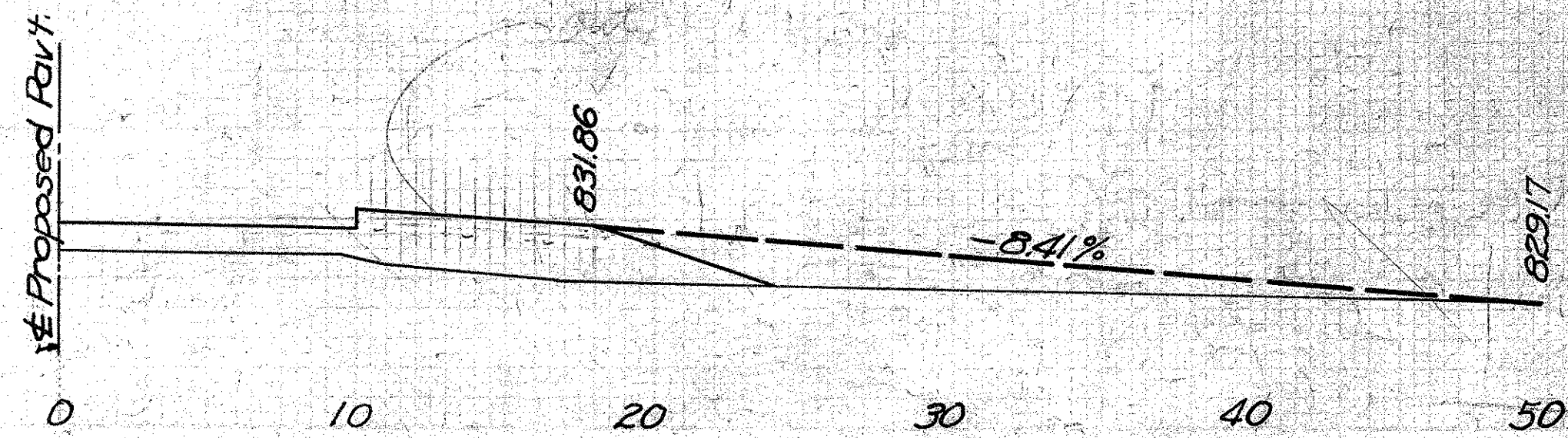
FOR PLAN SEE
 TYP. FIELD DRIVE
 Build Drive as Shown.
 Emb. Quan. (incl. in Rdway Quant.) 17 Cu. Yds.
 No. 46 Aggregate 7 Cu. Yds.

EMB.	
End Area	Cu. Yd.
0	14
28.6	3.0
11.5	0
0	0

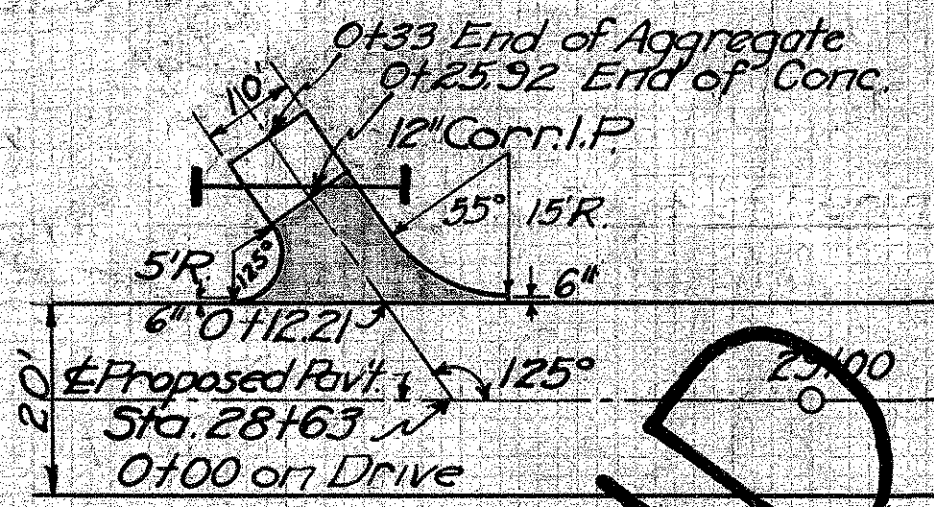
Zero Section
 0+50
 829.17

Zero Section
 0+18
 831.86

Embankment = 17 Cu. Yds.

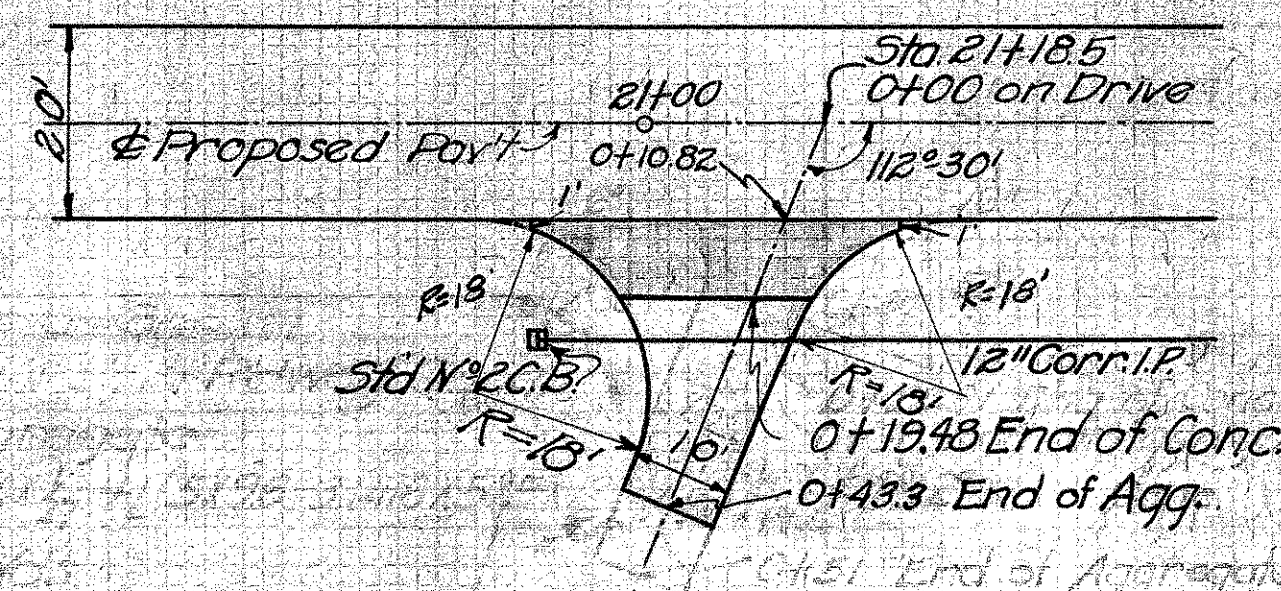


**PRIVATE DRIVE
STA. 28+63 Lt.**



EST. QUANTITIES
 6" Conc. Pavt. (1:5 1/2 Mix) 19.4 Sq. Yds.
 No. 46 Aggregate 1 Cu. Yd.
 12" Corr. I.P. 22 Lin. Ft.
 5" Std. Inlets
 Std. Dwg. No. 300 2 only

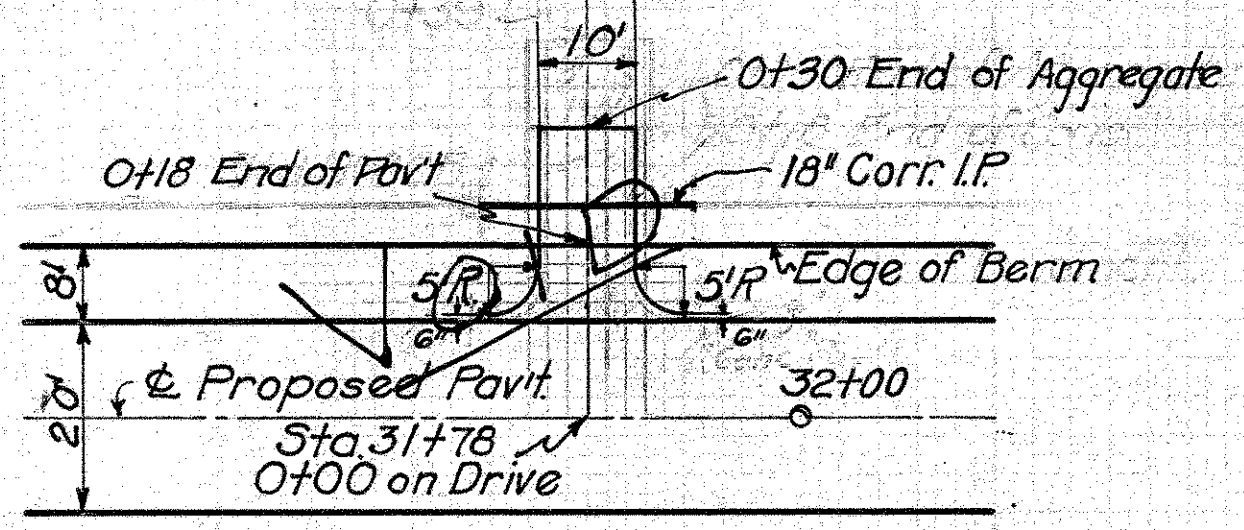
**PRIVATE DRIVE
STA. 21+18.5 Rt.**



EST. QUANTITIES
 6" Conc. Pavt. (Item T-70) 25.1 Sq. Yds.
 No. 46 Aggregate 4 Cu. Yd.
 Exc. (incl. in Rdway Quant.) 4 Cu. Yds.

S.H.65 SEC. B PART C
MONTGOMERY COUNTY

FIELD DRIVE
STA. 31+78 Lt.



EST. QUANTITIES

Emb. (incl. in Rdway Quan) 3 Cu. Yd.
No. 46 Aggregate 5 Cu. Yd.
18" Corr. I.P. (M.G.A.) 24 Lin. Ft.

EMB.	End Area	Cu. Yds.
0	0	0
2	16	2
1	0	1

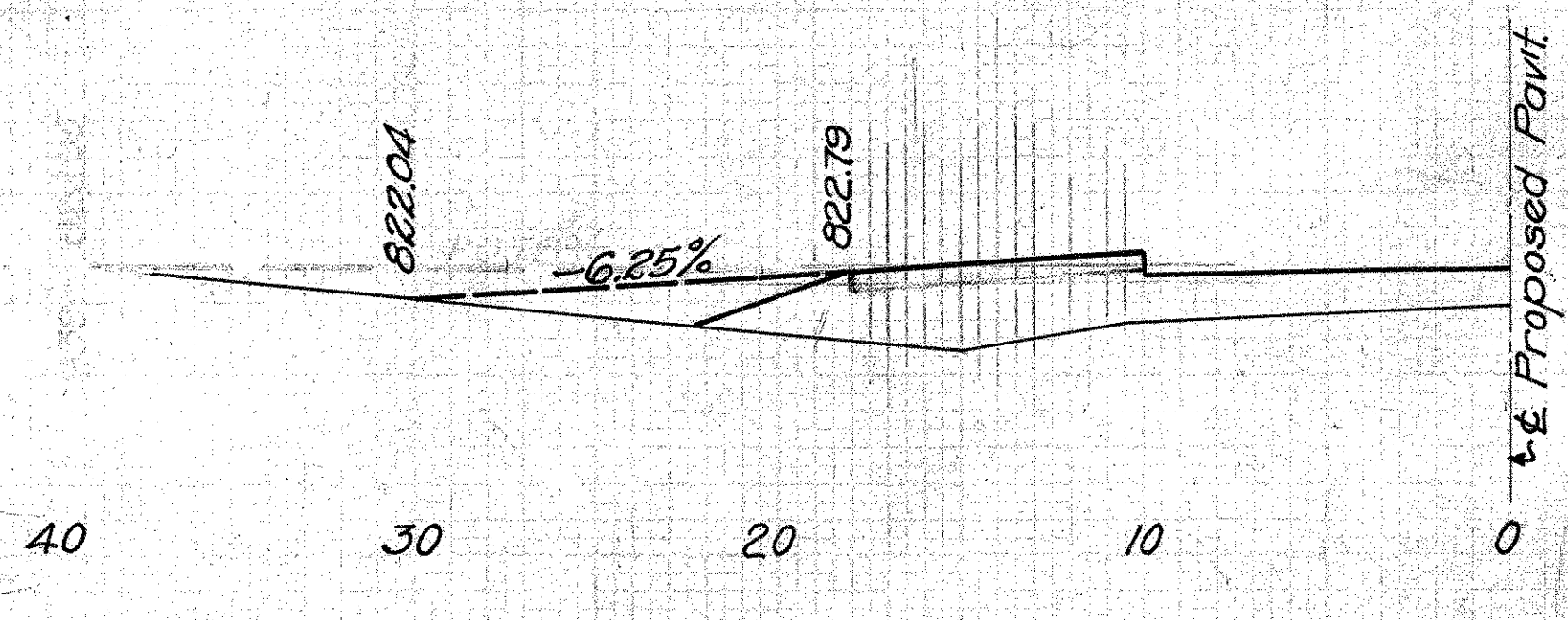
FOR PLAN SEE TYP. FD. DRIVE.

Zero Section
0+30
822.04

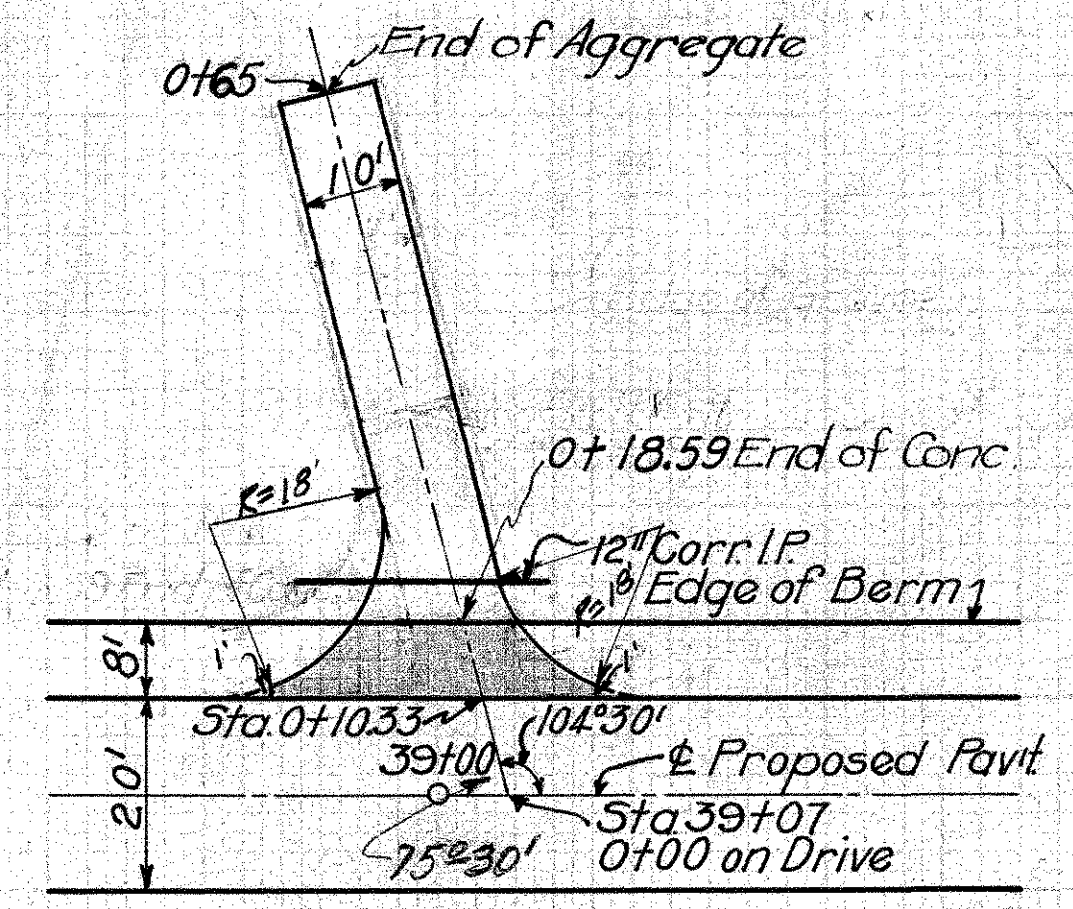
822.51
0+22.5
821.35

Zero Section
0+18
822.79

Embankment = 3.0 Cu. Yds.



PRIVATE DRIVE
STA. 39+07 Lt.



Build Drive as Shown
Exc. Quan. (incl. in Rdway Quan) 59 Cu. Yds.
No. 46 Aggregate 7 Cu. Yds.
6" Conc. Pavt. (Item T-70) 23.1 Sq. Yds.
12" Corr. I.P. (M.G.A.) 26 Lin. Ft.

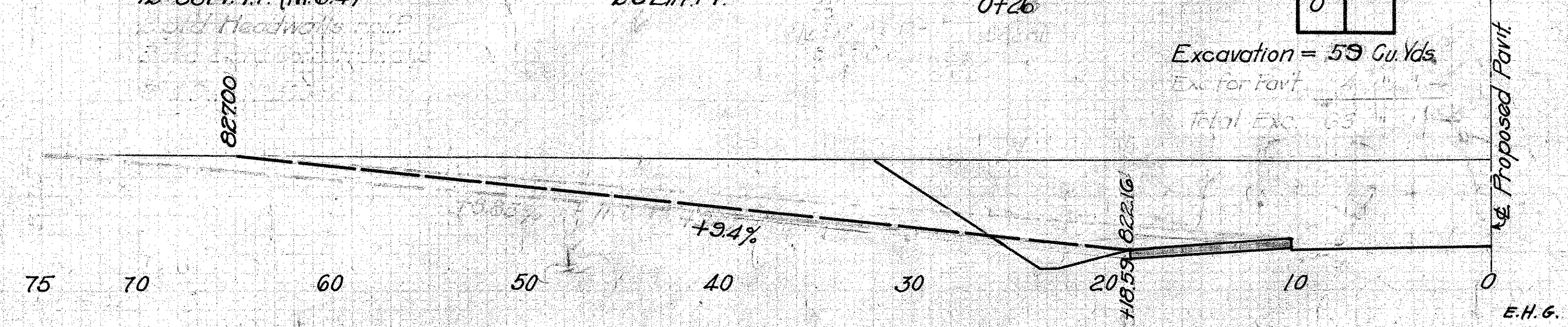
Zero Section
0+65
827.00

823.90
0+32
826.87

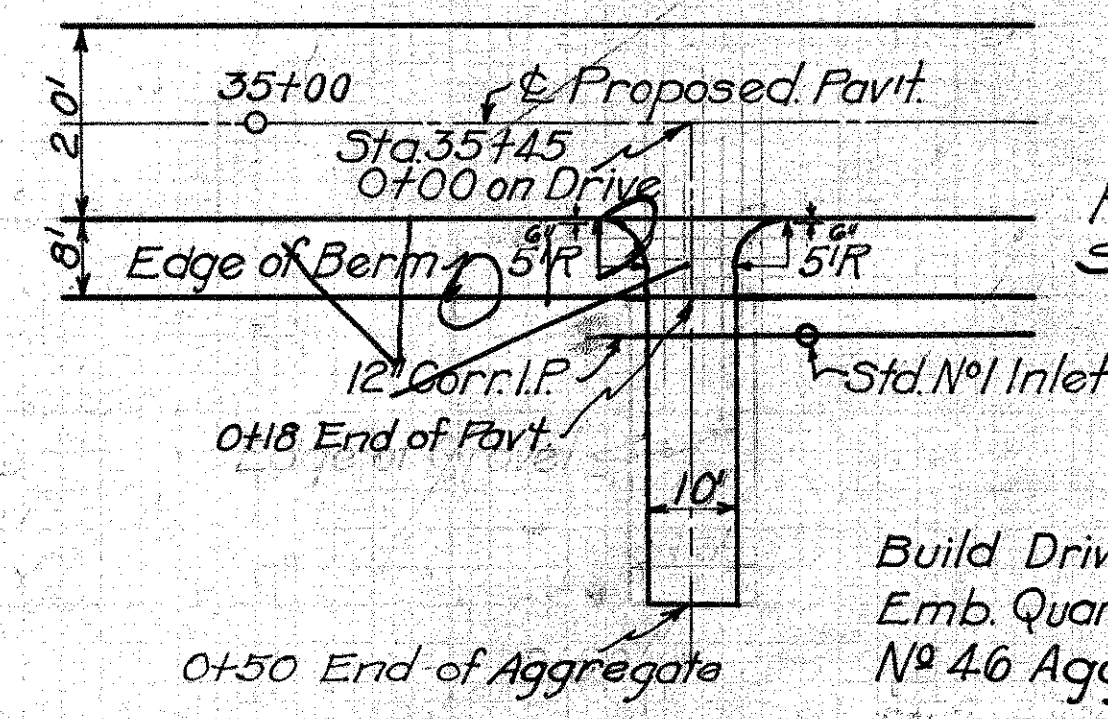
Zero Section
0+26

EXC.	End Area	Cu. Yds.
0	0	0
50	16	50
80	0	80
9	0	9

Excavation = 59 Cu. Yds.
Exc. for Pavt
Total Exc. 63



FIELD DRIVE
STA. 35+45 Rt.



FOR PLAN SEE TYP. FD. DRIVE.

Build Drive as Shown
Emb. Quan. (incl. in Rdway Quan) 25 Cu. Yds.
No. 46 Aggregate 7 Cu. Yds.

EMB.	End Area	Cu. Yds.
0	0	0
18.0	38.0	18.0
3.1	39	3.1
47.0	0	47.0
39	0	39

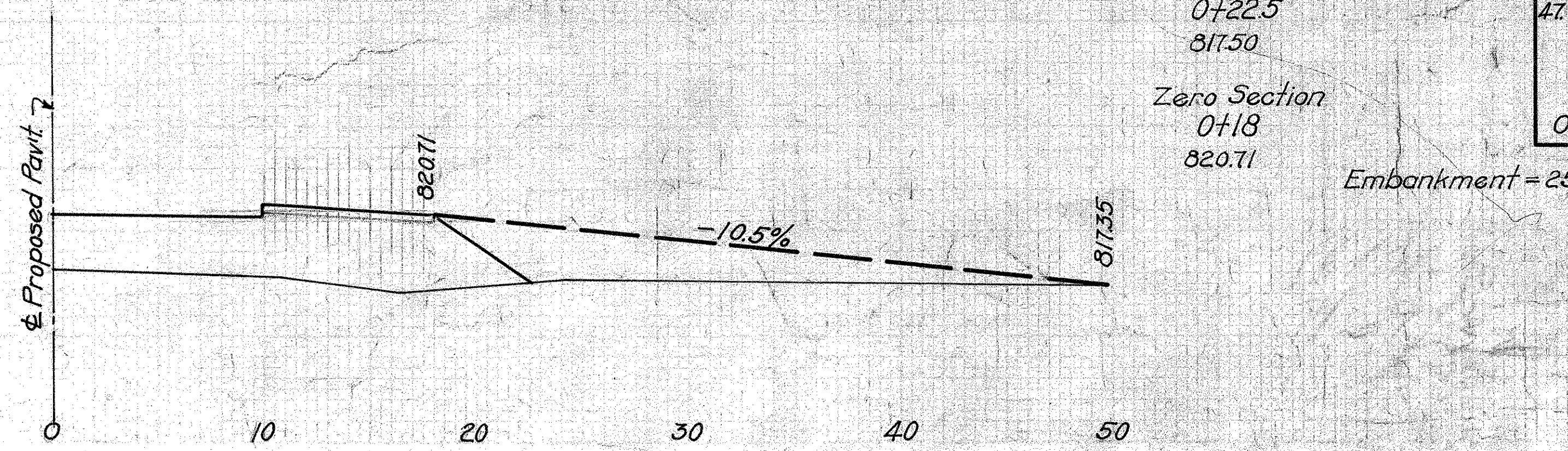
Zero Section
0+50
817.35

820.03
0+24.5
817.65

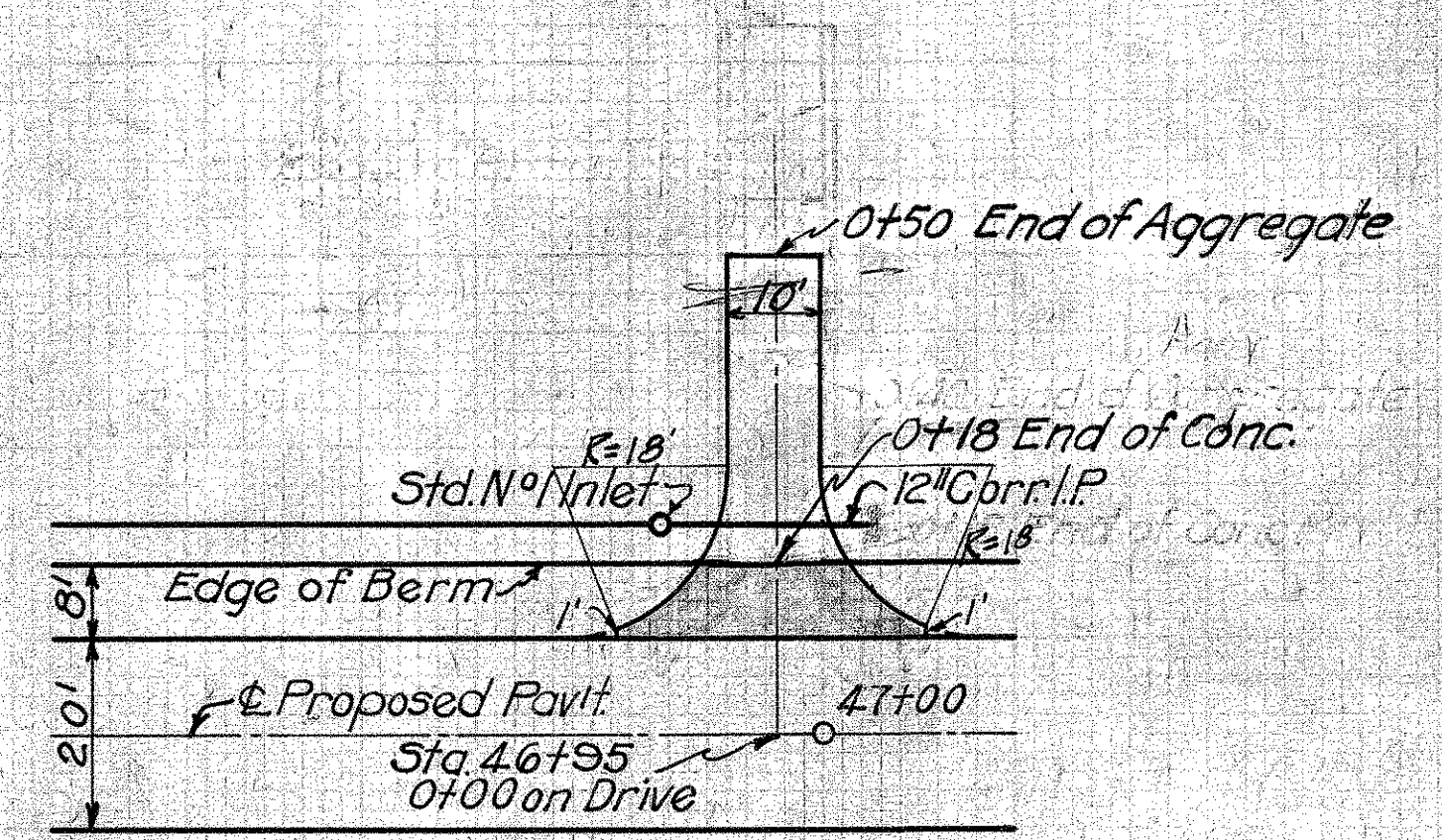
820.24
0+22.5
817.50

Zero Section
0+18
820.71

Embankment = 25.0 Cu. Yds.



PRIVATE DRIVE
STA. 46+95 Lt.



Build Drive as Shown
Excav. Quan. (incl. in Rdway Quan) 23 Cu. Yds.
No. 46 Aggregate 4 Cu. Yds.
6" Conc. Pavt. (Item T-70) 24.7 Sq. Yds.

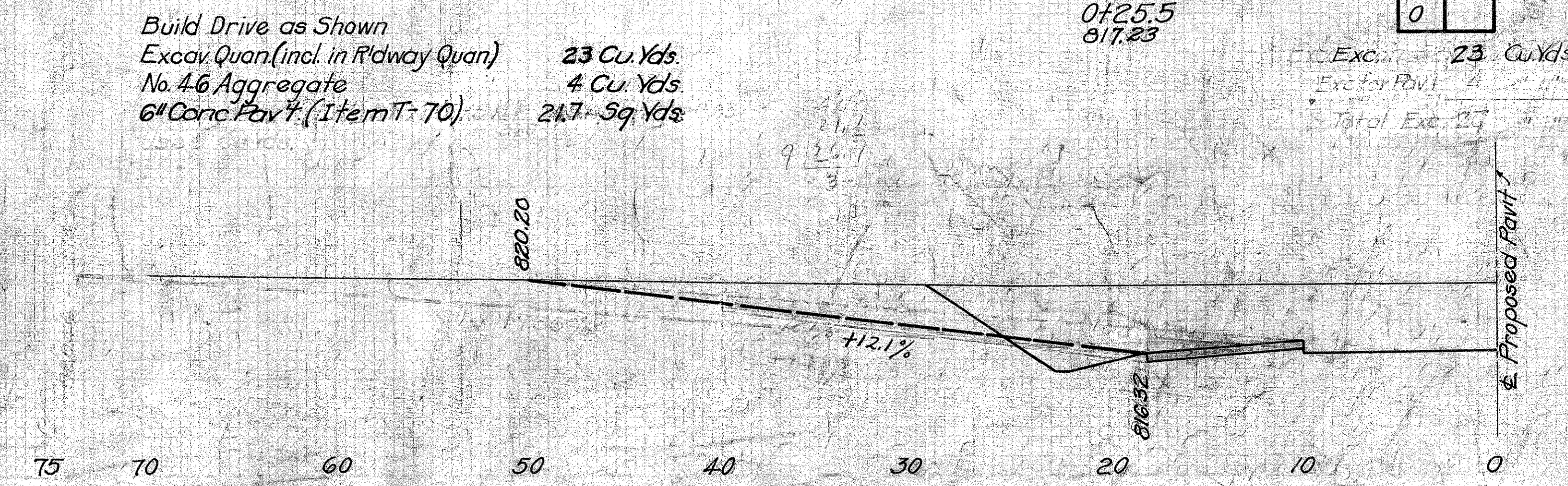
Zero Section
0+50
820.20

817.71
0+29.5
819.84

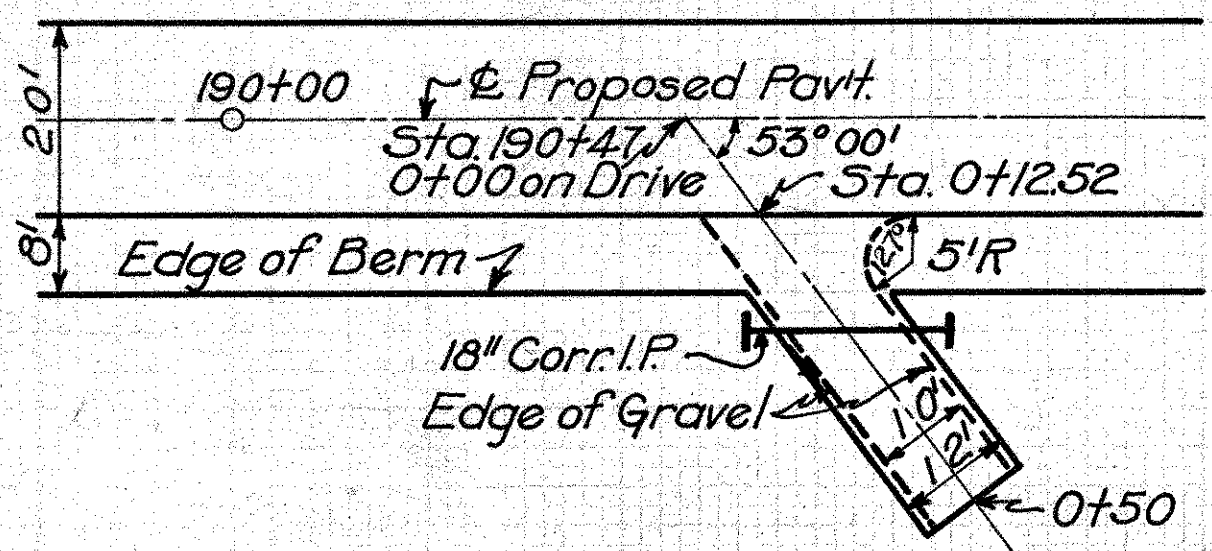
Zero Section
0+25.5
817.23

EXC.	End Area	Cu. Yds.
0	0	0
19	0	19
50	0	50
4	0	4

Exc. Excav. = 23 Cu. Yds.
Exc. for Pavt
Total Exc. 23



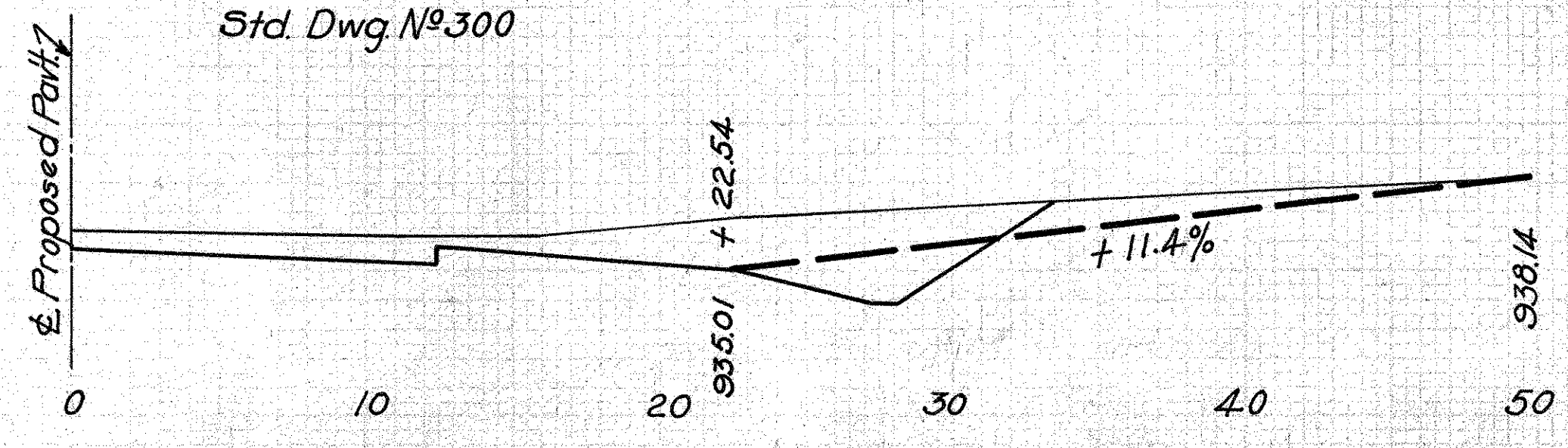
**PRIVATE DRIVE
STA. 190+47 RT.**



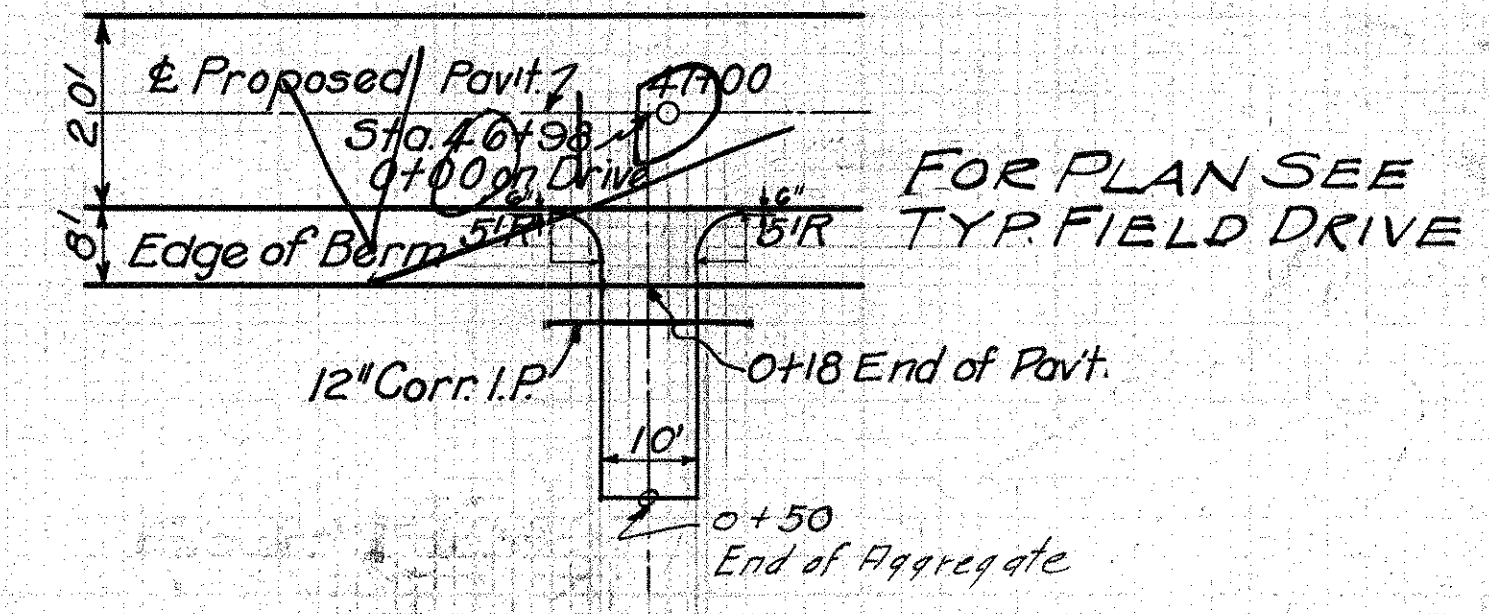
Build Drive as Shown
Exc. Quan. incl. in R'dway Quan.
No. 46 Aggregate
 $10 \times 37.48 \times \frac{1}{2} \times \frac{1}{2} + [(5 \times 10.0 - 3.14 \times 16 \times 5 \times \frac{1}{2}) \times \frac{1}{2} \times \frac{1}{2}] = 4.91$
Use 5 Cu. Yds.
Lay 22 Lin. Ft. 12" Corr. I.P.
Build 2 Std. Conc. Hdwalls
Std. Dwg. No. 300

EXC.	
End Area	Cu. Yds.
0	6.2
205	0.8
0	

Excavation = 7.0 Cu. Yds.

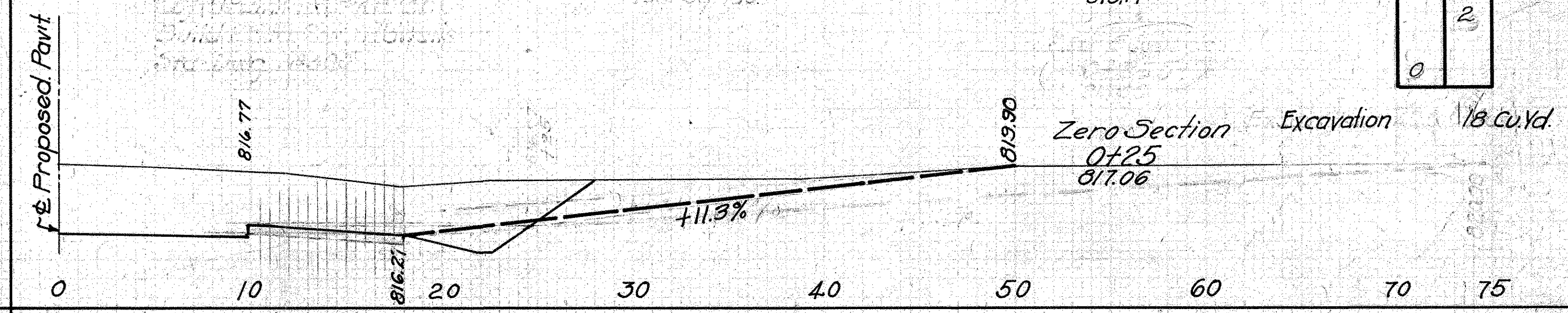


**FIELD DRIVE
STA. 46+98 RT.**



Build Drive as Shown
Exc. Quan. (incl. in R'dway Quan.)
No. 46 Aggregate
12" Corr. I.P. (M.6.4)

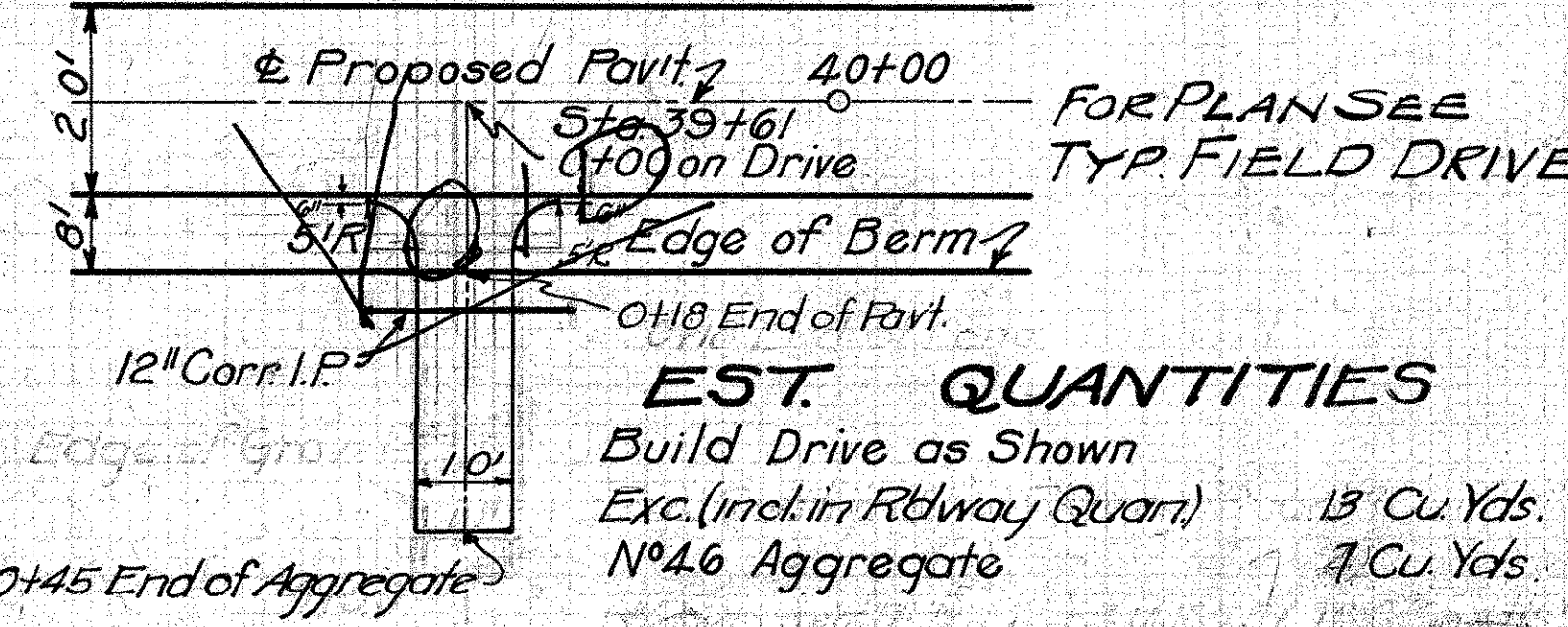
18 Cu. Yds.
3 Cu. Yds.
24 Lin. Ft.



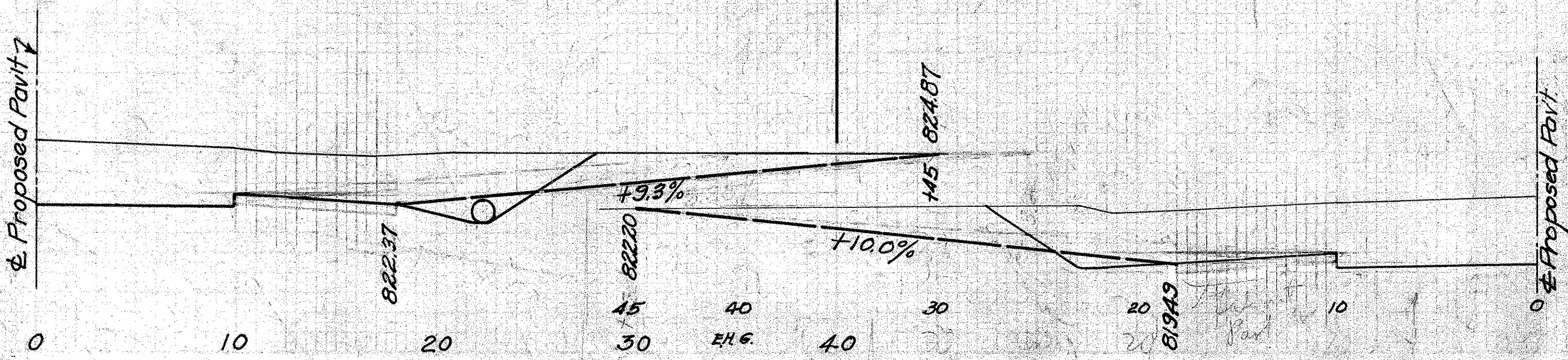
EXC.	
End Area	Cu. Yds.
0	16
40	2
0	

Excavation 18 Cu. Yds.

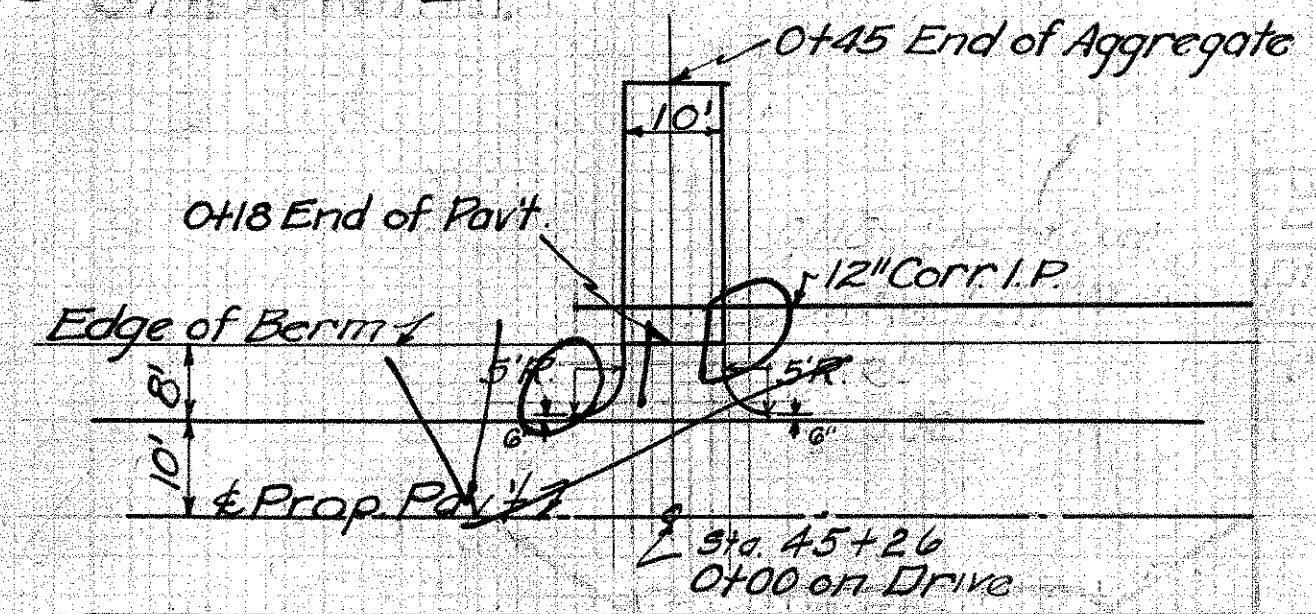
**FIELD DRIVE
STA. 39+61 RT.**



EST. QUANTITIES
Build Drive as Shown
Exc. (incl. in R'dway Quan.) 13 Cu. Yds.
No. 46 Aggregate 7 Cu. Yds.
12" Corr. I.P. (M.6.4) 24 Lin. Ft.

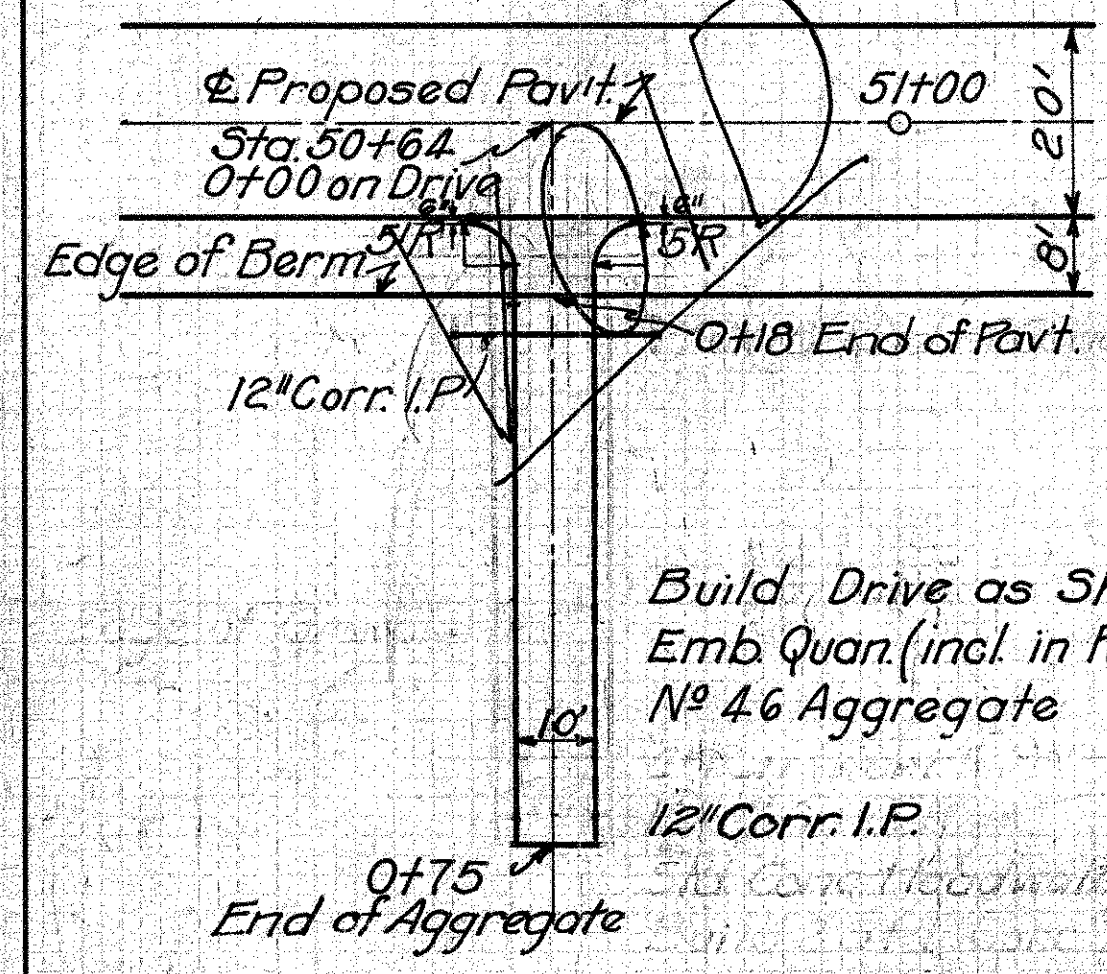


**FIELD DRIVE
STA. 45+26 RT.**

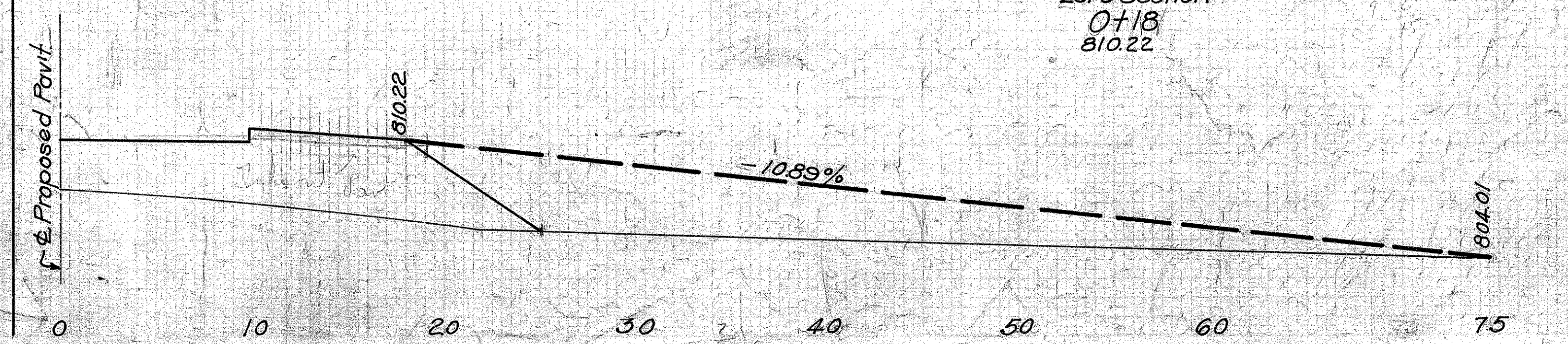


EST. QUANTITIES
No. 46 Aggregate 7 Cu. Yds.
Exc. (incl. in R'dway Quan.) 15 Cu. Yds.

**FIELD DRIVE
STA. 50+64 RT.**

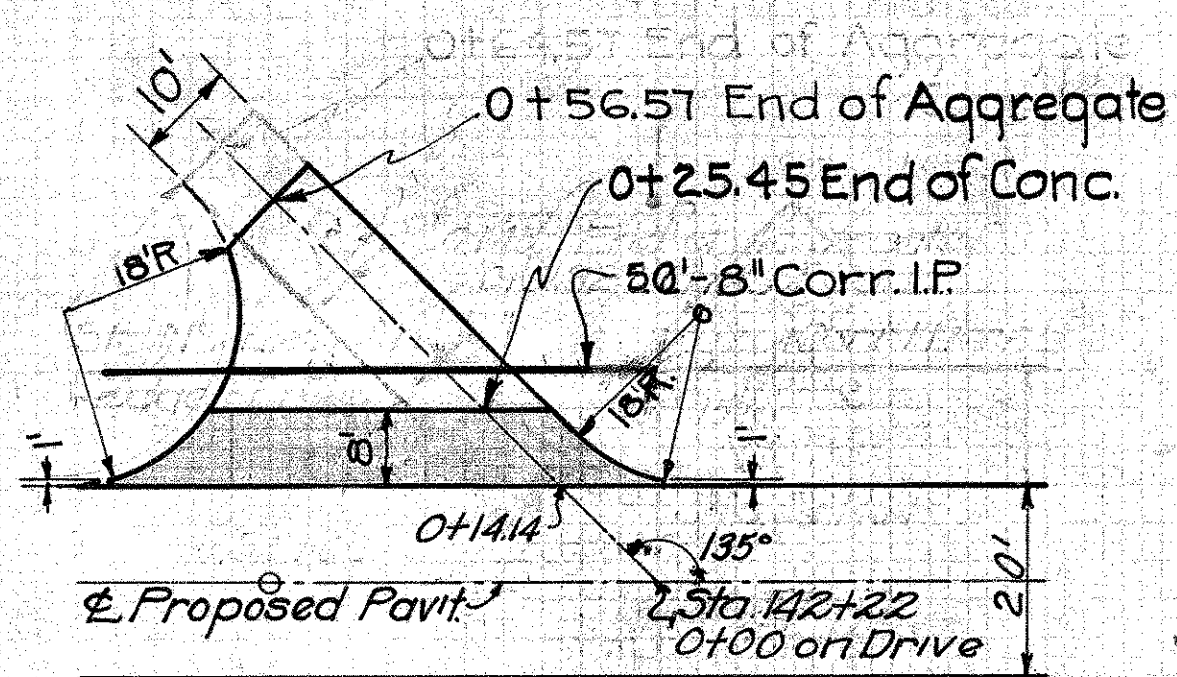


Build Drive as Shown
Emb. Quan. (incl. in R'dway Quan.) 87 Cu. Yds.
No. 46 Aggregate 11 Cu. Yds.
12" Corr. I.P. 28 Lin. Ft.



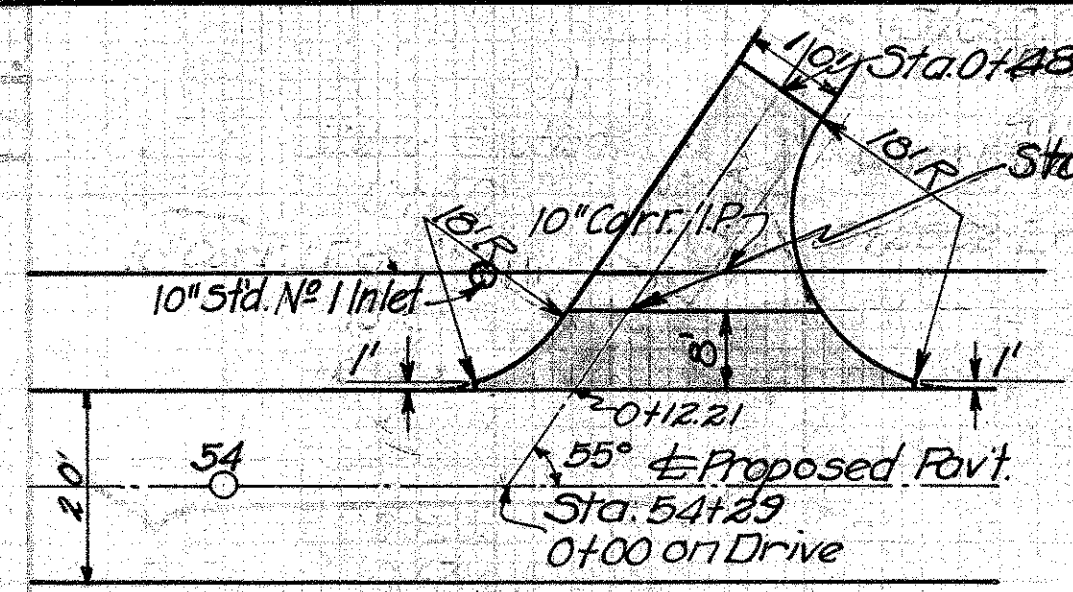
EMB.	
End Area	Cu. Yds.
0	76
82.5	11
0	

Embankment = 87 Cu. Yds.



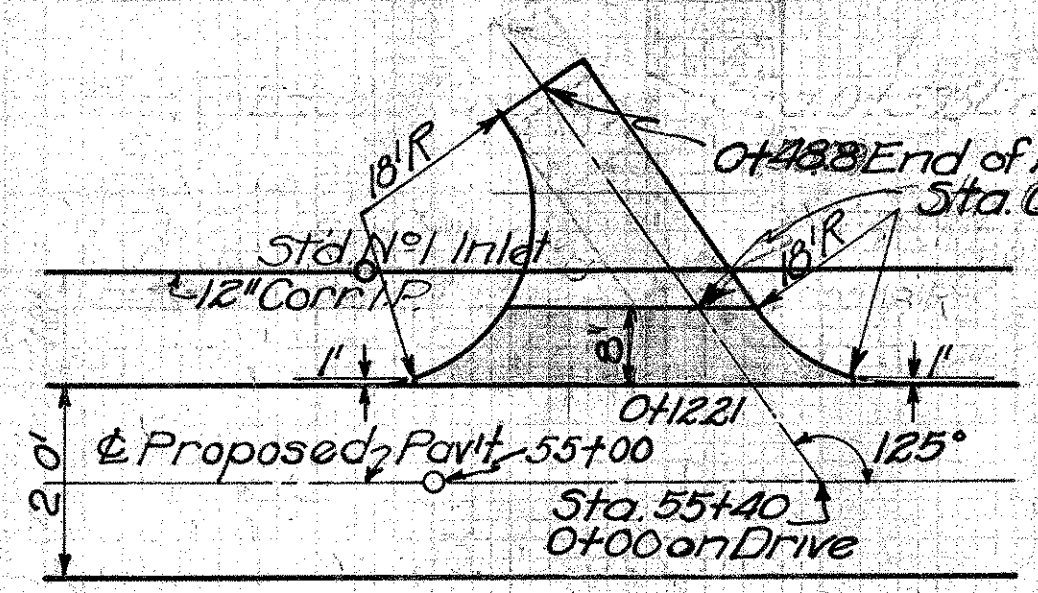
**PRIVATE DRIVE
STA. 142+22 Lt.**

Build drives as shown
 Excavation (Incl. in Rdwy. Quan.) 6 Cu. Yd.
 8" Corr. I.P. 50 Lin. Ft.
 6" Conc. Pavt. (Item T-70) 38.7 Sq. Yds.
 No. 46 Aggregate 6 Cu. Yds.



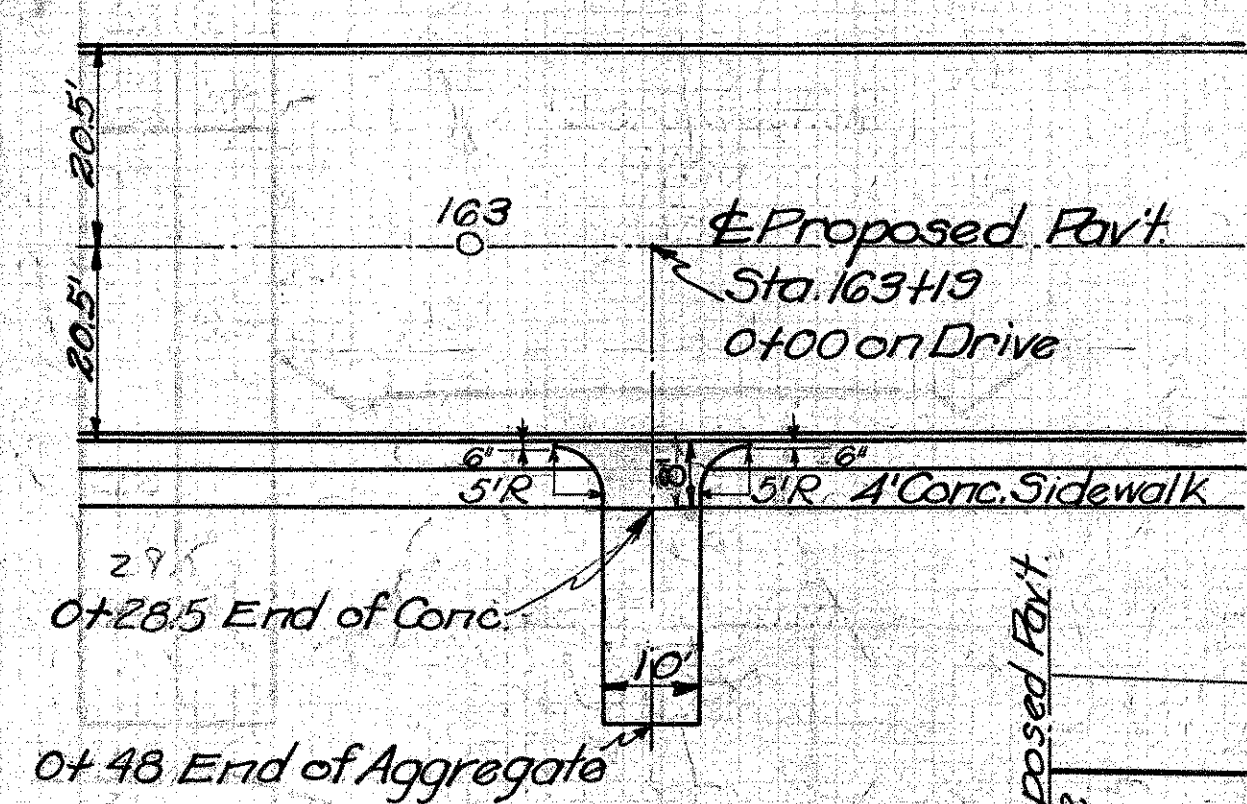
**PRIVATE DRIVE
STA. 54+29 Lt.**

Build Drive as Shown
 6" Conc. Pavt. (Item T-70) 30.8 Sq. Yds.
 No. 46 Aggregate 5 Cu. Yds.
 Exc. (Incl. in Rdwy. Quant.) 5 Cu. Yds.



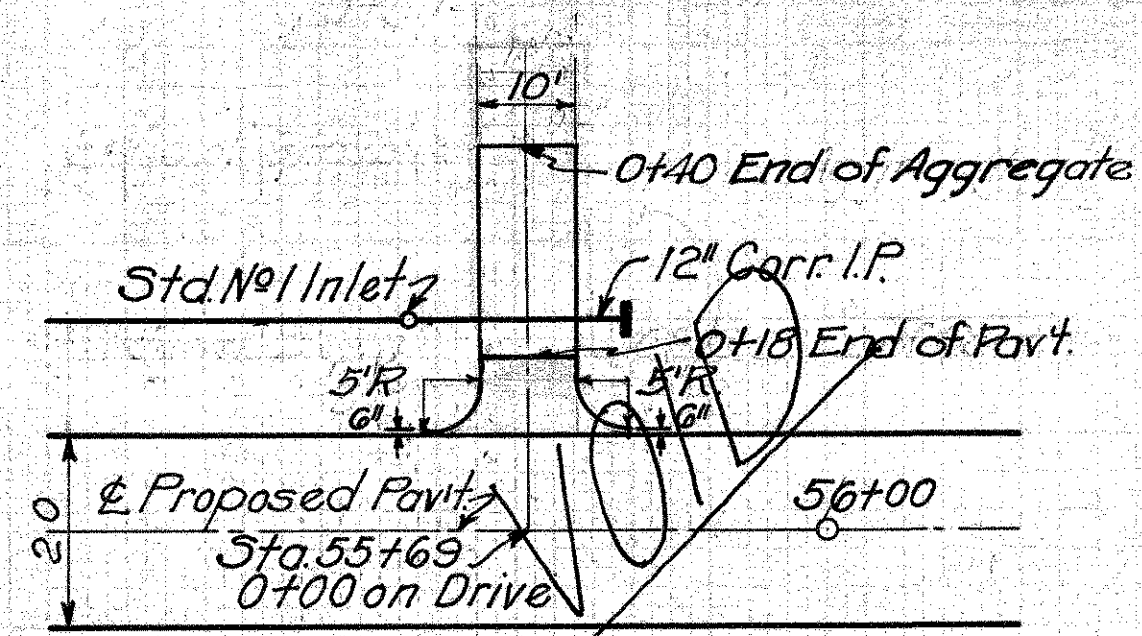
**PRIVATE DRIVE
STA. 55+40 Lt.**

Build Drive as Shown
 6" Conc. Pavt. (Item T-70) 30.8 Sq. Yds.
 No. 46 Aggregate 5 Cu. Yds.
 Excav. (Incl. in Rdwy. Quant.) 5 Cu. Yds.



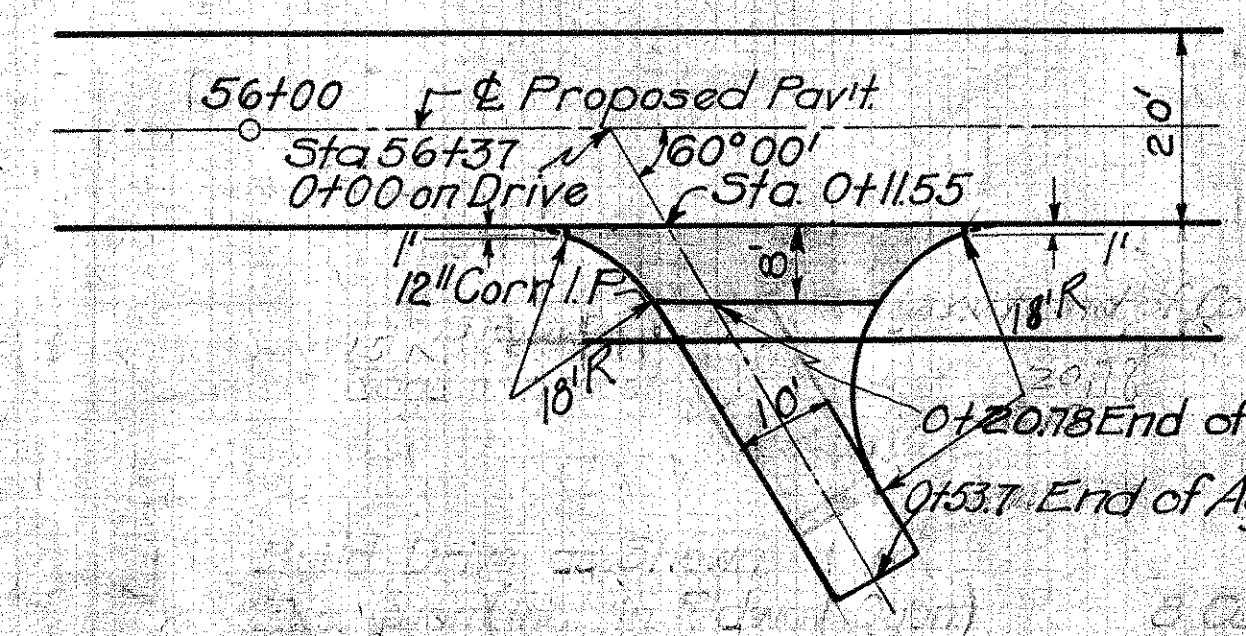
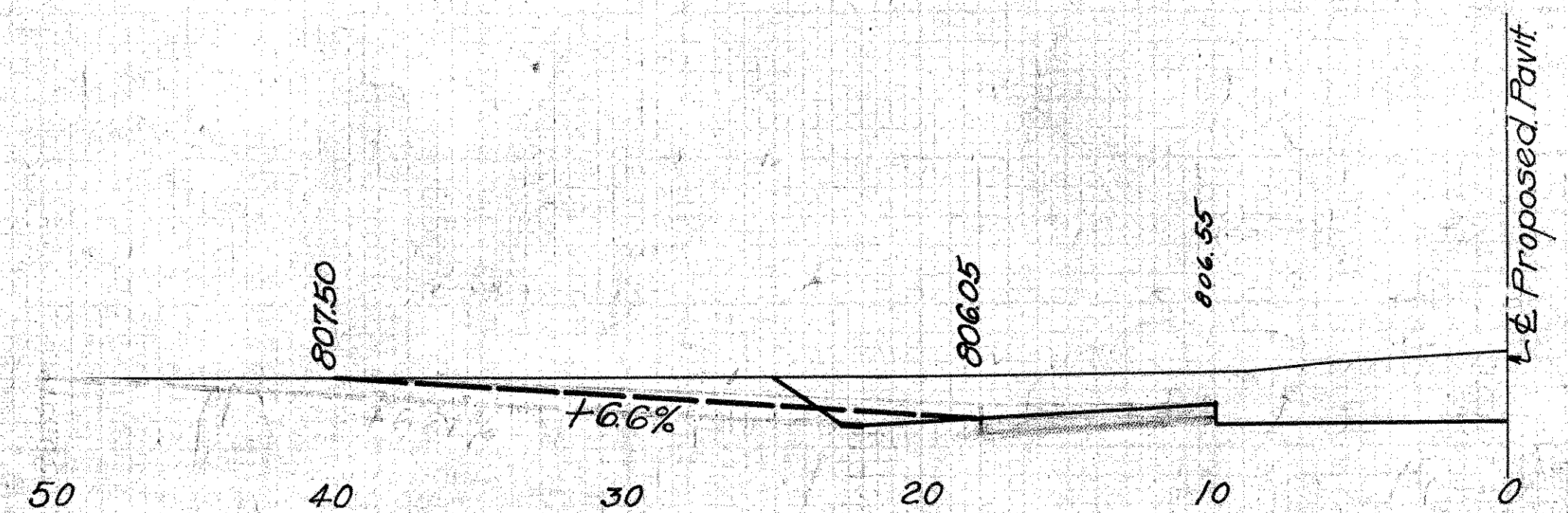
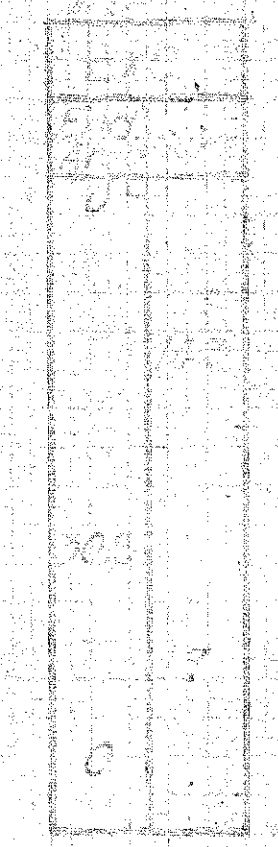
**PRIVATE DRIVE
STA. 163+19 Rt.**

Build Drive as Shown
 Alignment of drive to be adjusted in field to meet existing drive at Sta. 0+50
 Emb. (incl. in Rdwy. Quant.) 5 Cu. Yds.
 No. 46 Aggregate 3 Cu. Yds.
 6" Conc. Pavt. (Item T-70) 10.6 Sq. Yds.
 4" Conc. Sidewalk (4" thick) 10 Lin. Ft. (Net Deduction)
 Depress Curb as Directed.



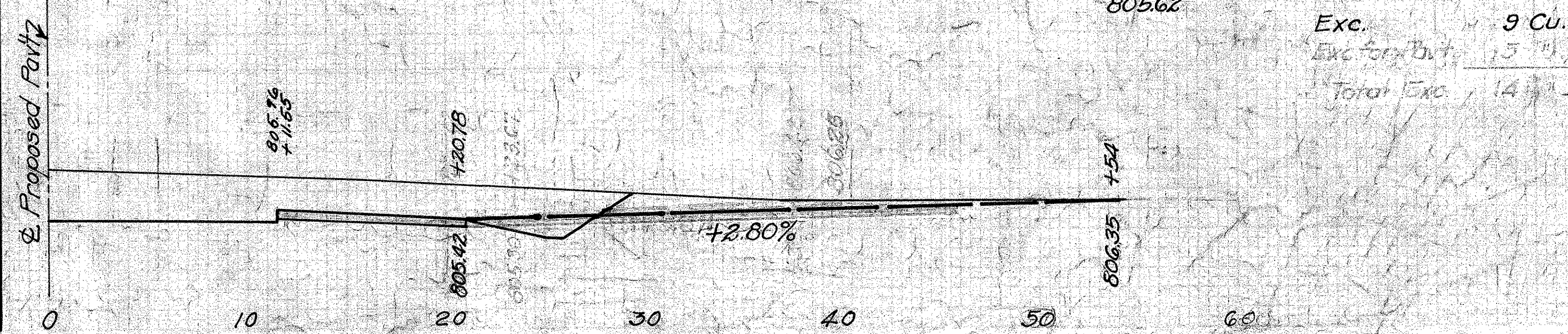
**FIELD DRIVE
STA. 55+69 Lt.**

Build Drive as Shown
 Exc. Quan. (incl. in Rdwy. Quant.) 8 Cu. Yds.
 No. 46 Aggregate 7 Cu. Yds.



**PRIVATE DRIVE
STA. 56+37 Rt.**

Build Drive as Shown
 Exc. (incl. in Rdwy. Quant.) 9 Cu. Yds.
 No. 46 Aggregate 5 Cu. Yd.
 6" Conc. Pavt. (Item T-70) 28.1 Sq. Yds.



Zero Section	Exc. Area	Cu. Yd.
0+54	0	0
806.35		3
805.30		10
0+38		5
806.42		22
805.66		1
0+29.5		0
806.86		
Zero Section		
0+28		
805.62		

Exc. Area	Cu. Yd.
0	0
3	3
10	10
5	5
22	22
1	1
0	0

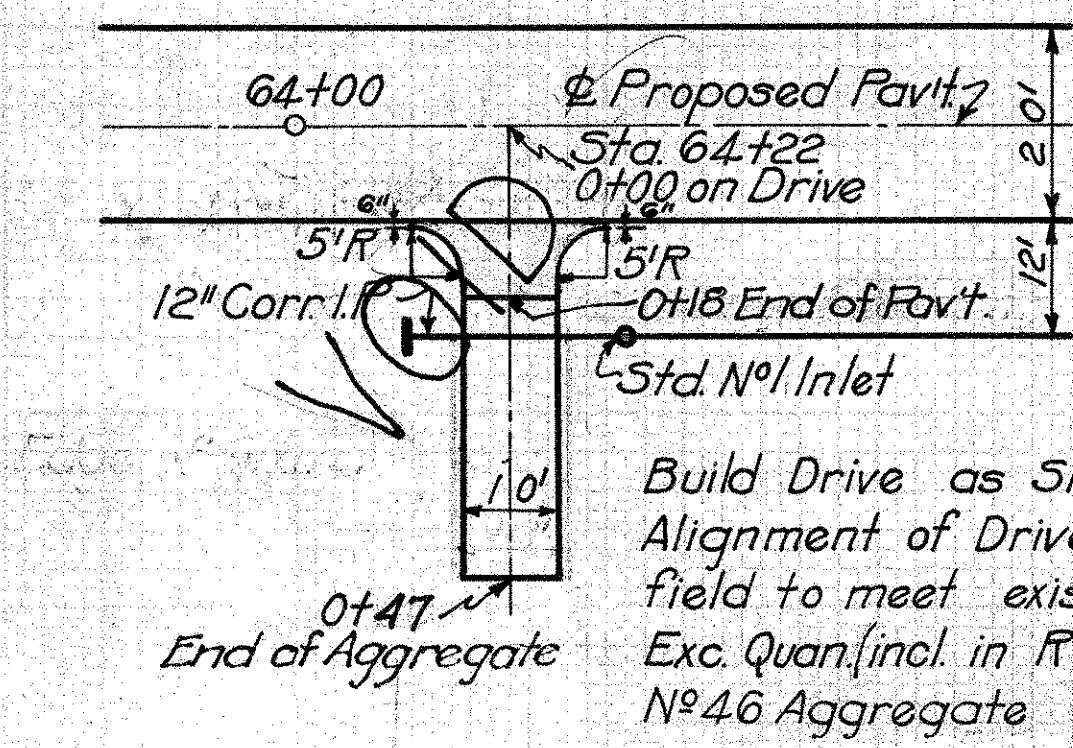
Exc. 9 Cu. Yds.
 Total Exc. 14

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	58-6	1933

SH. 65 SEC. B, PART C
MONTGOMERY COUNTY

FOR PLAN SEE TYP. FIELD DRIVE.

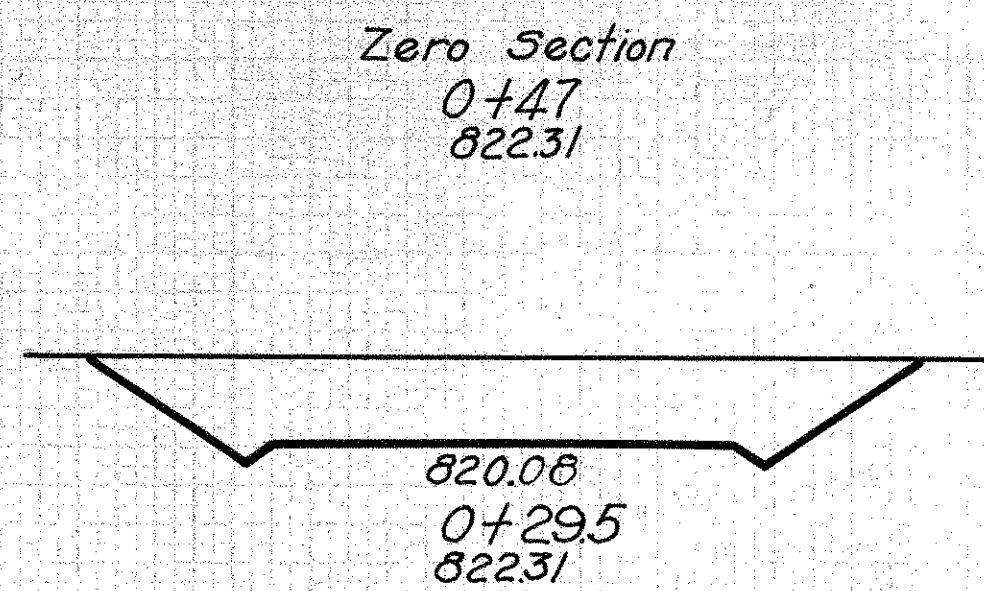
**FIELD DRIVE
STA. 64+22 RT**



FOR PLAN SEE
TYP FIELD DRIVE

Build Drive as Shown
Alignment of Drive to be adjusted in
field to meet exist Drive at Sta. 0+47
Exc. Quan. (incl. in R'dway Quan.)
No. 46 Aggregate

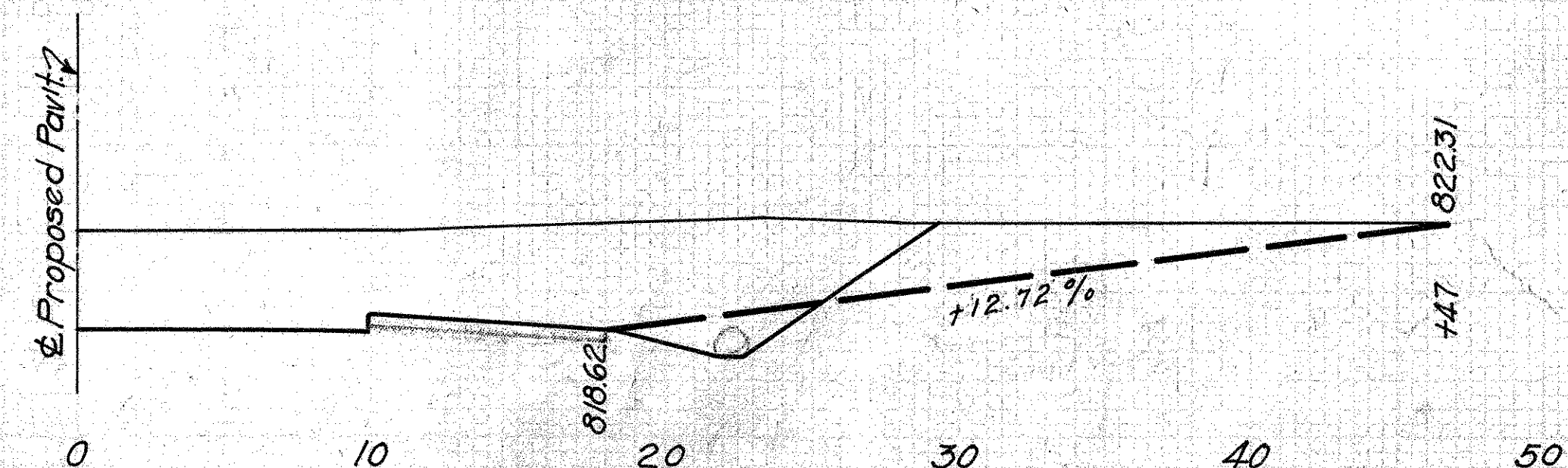
17 Cu. Yds.
7 Cu. Yds.



Zero Section
0+47
822.31

EXC.	
End Area	Cu. Yds.
0	13.8
42.7	3.2
0	0

Excavation = 17.0 Cu. Yds.

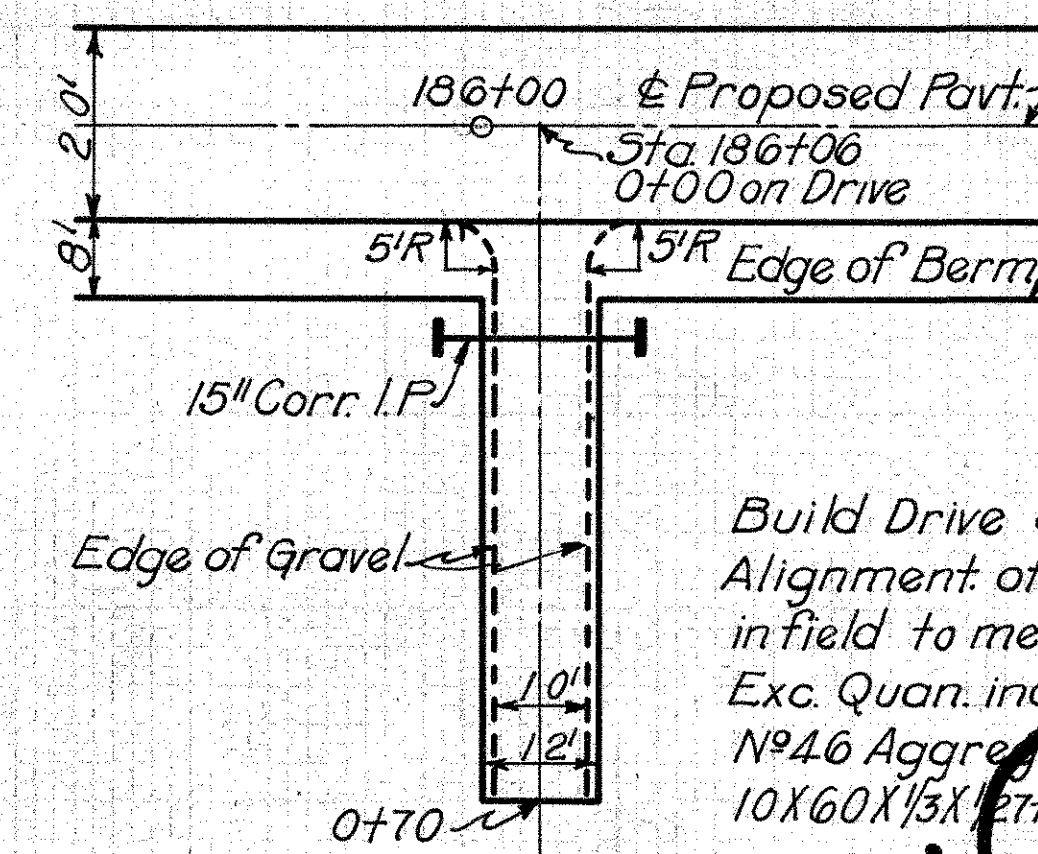


**PRIVATE DRIVE
STA. 186+08 RT**

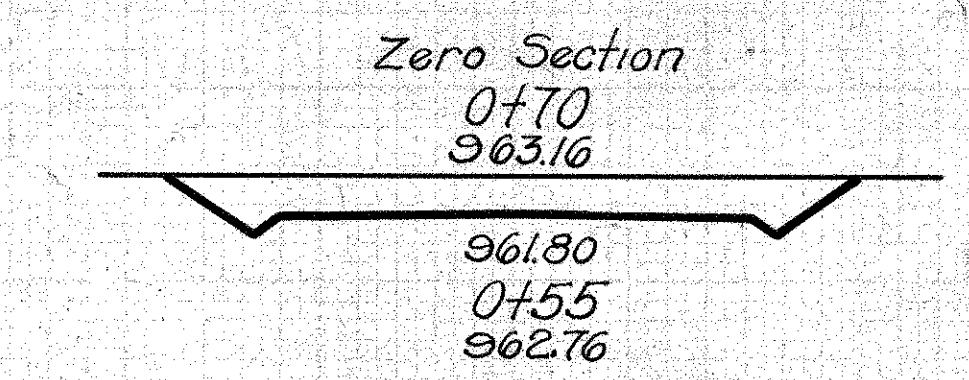
FED. AID DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	186+08	1933

40
82

**SH. 65 SEC. B. PART C
MONTGOMERY COUNTY**



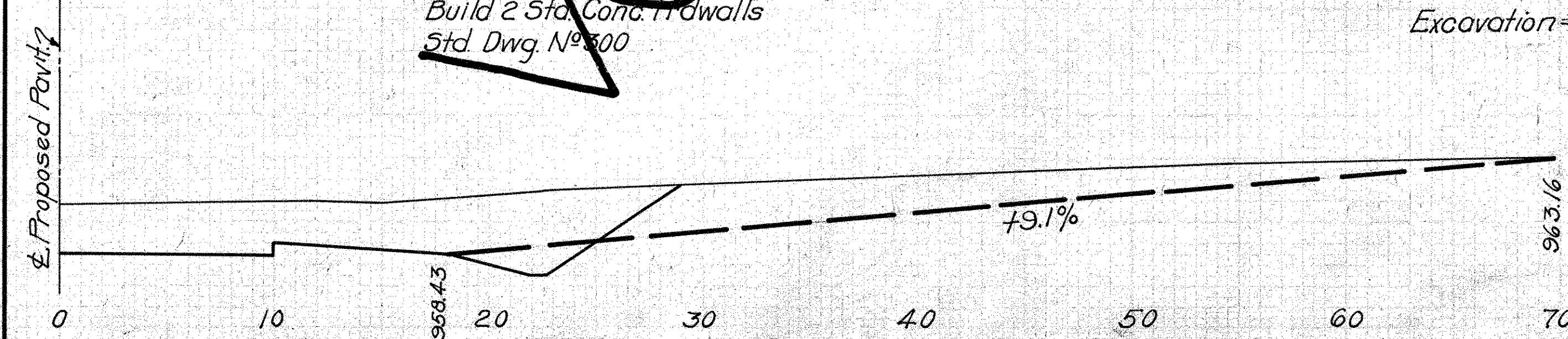
Build Drive as Shown
Alignment of Drive to be adjusted
in field to meet exist Drive of Sta. 0+70
Exc. Quan. incl. in R'dway Quan.
No. 46 Aggregate
 $10 \times 60 \times \frac{1}{3} \times \frac{1}{2} + [(5 \times 5 - 3 \times 16) \times \frac{1}{3} \times \frac{90}{360}] \times 2 \times \frac{1}{3} \times \frac{1}{2} = 7.54$
Use 8 Cu. Yds.
Lay 22 Lin. Ft. 15" Corr. I.P.
Build 2 Sta. Conc. Sidewalls
Std. Dwg. No. 300



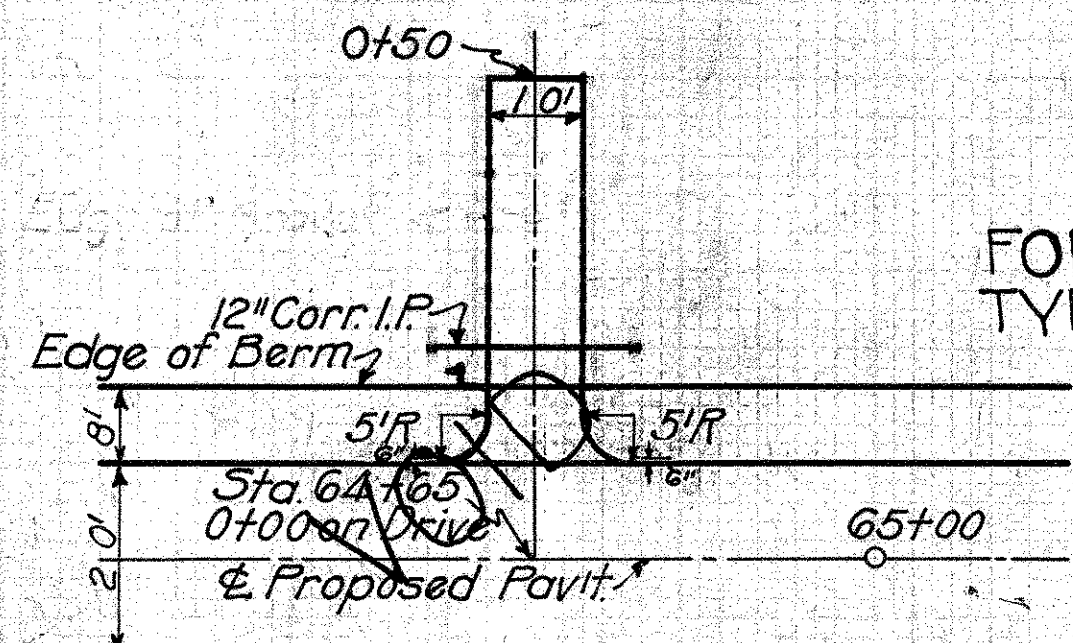
Zero Section
0+70
963.16

EXC.	
End Area	Cu. Yds.
0	4.6
16.5	29.1
44.0	3.3
0	0

Excavation = 37.0 Cu. Yds.



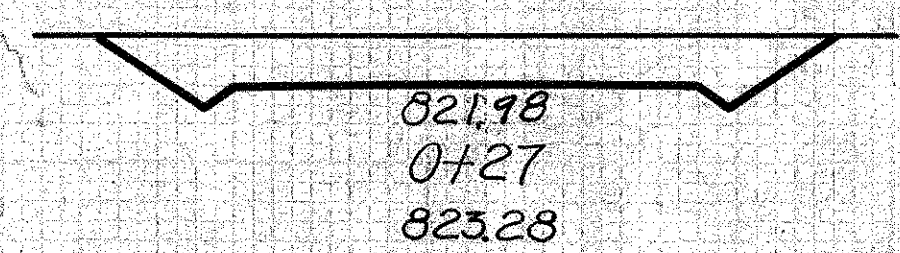
**FIELD DRIVE
STA. 64+65 LT**



FOR PLAN SEE
TYP. FIELD DRIVE

Build Drive as Shown
Exc. Quan. (incl. in R'dway Quan.)
No. 46 Aggregate
12" Corr. I.P. (M.G. 4)
Std. Conc. Sidewalls
Std. Dwg. No. 300

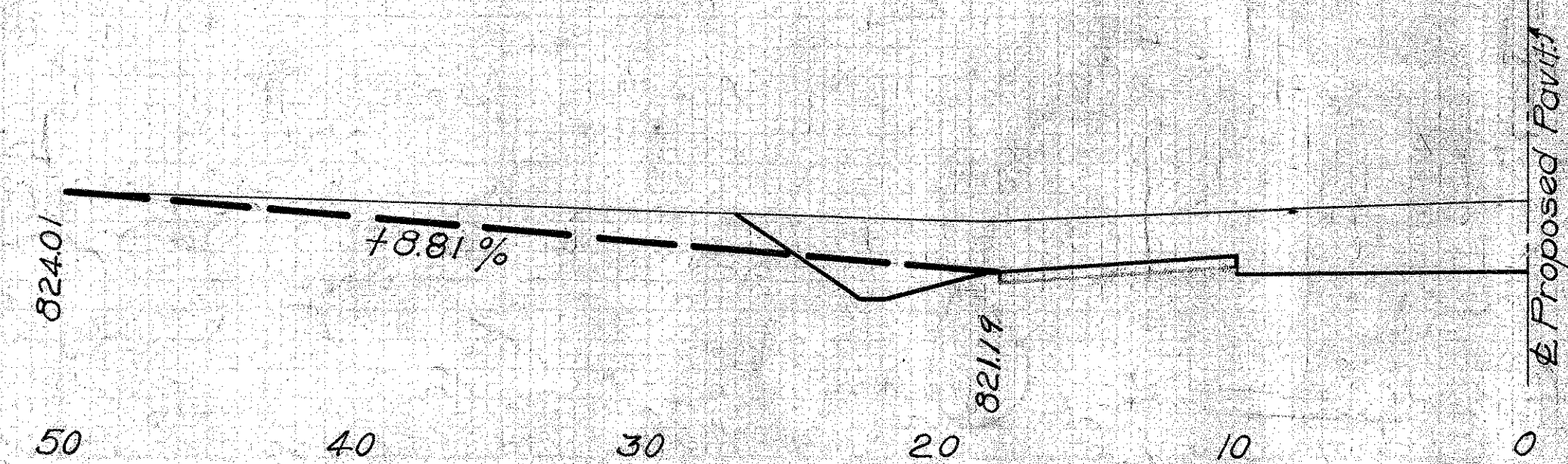
11 Cu. Yds.
8 Cu. Yds.
24 Lin. Ft.
2 only



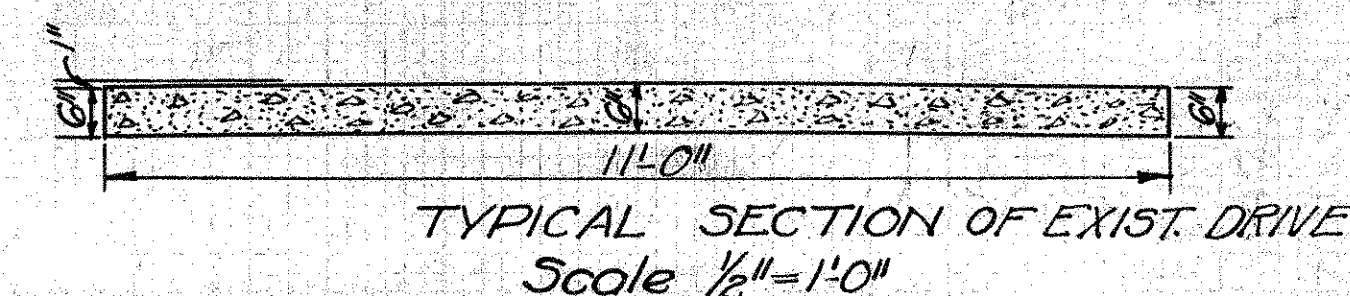
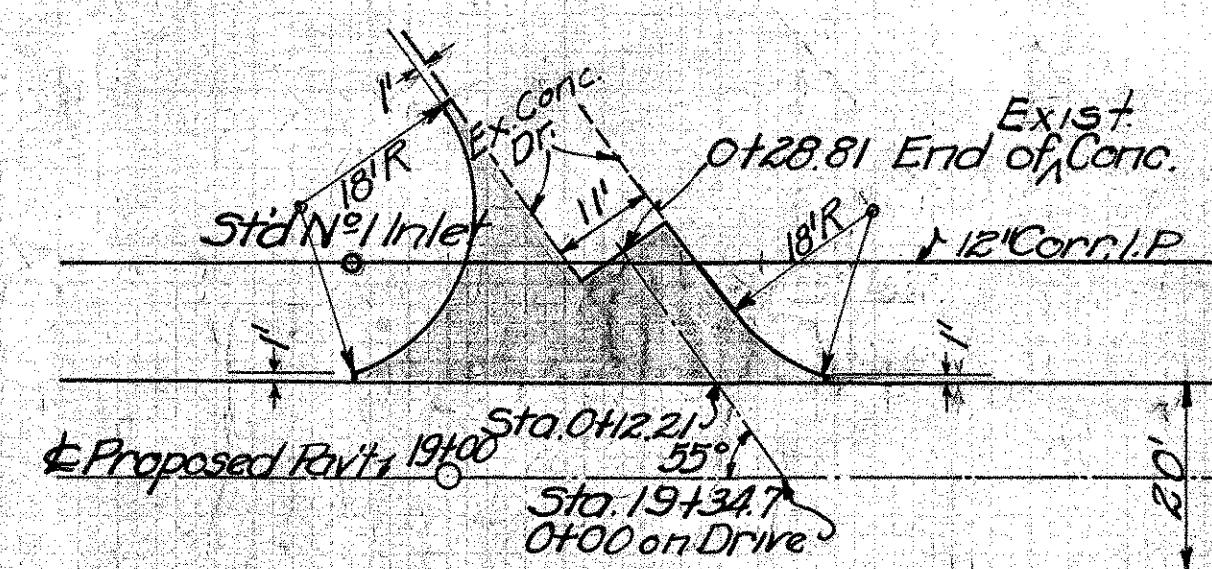
Zero Section
0+50
824.01

EXC.	
End Area	Cu. Yds.
0	10.1
23.8	0.9
0	0

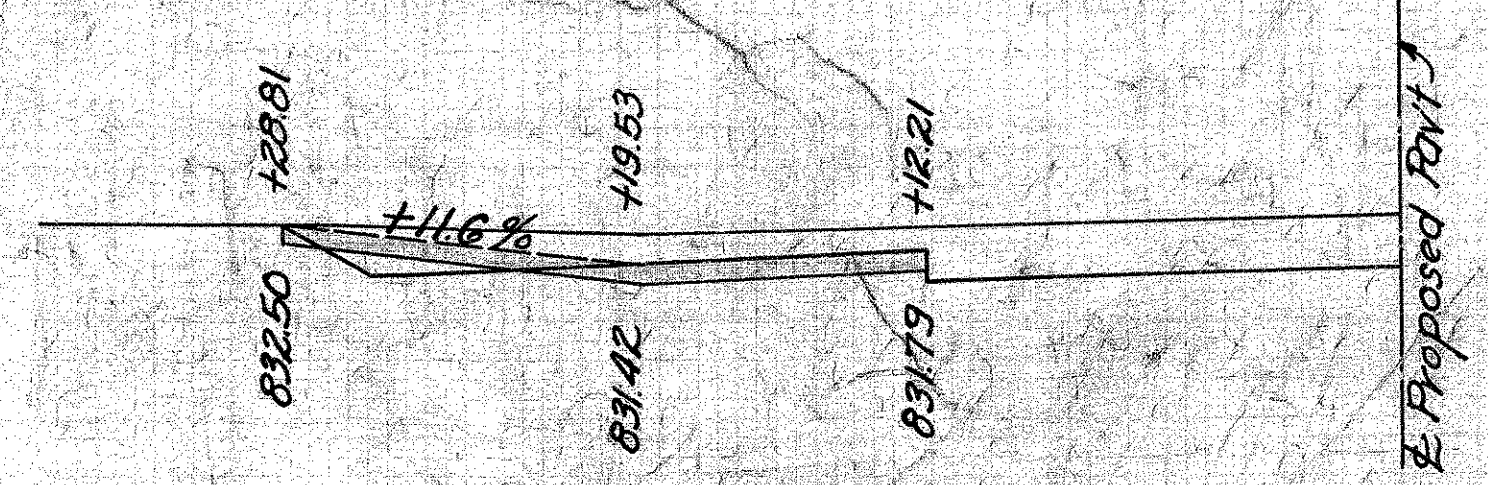
Excavation = 11.0 Cu. Yds.



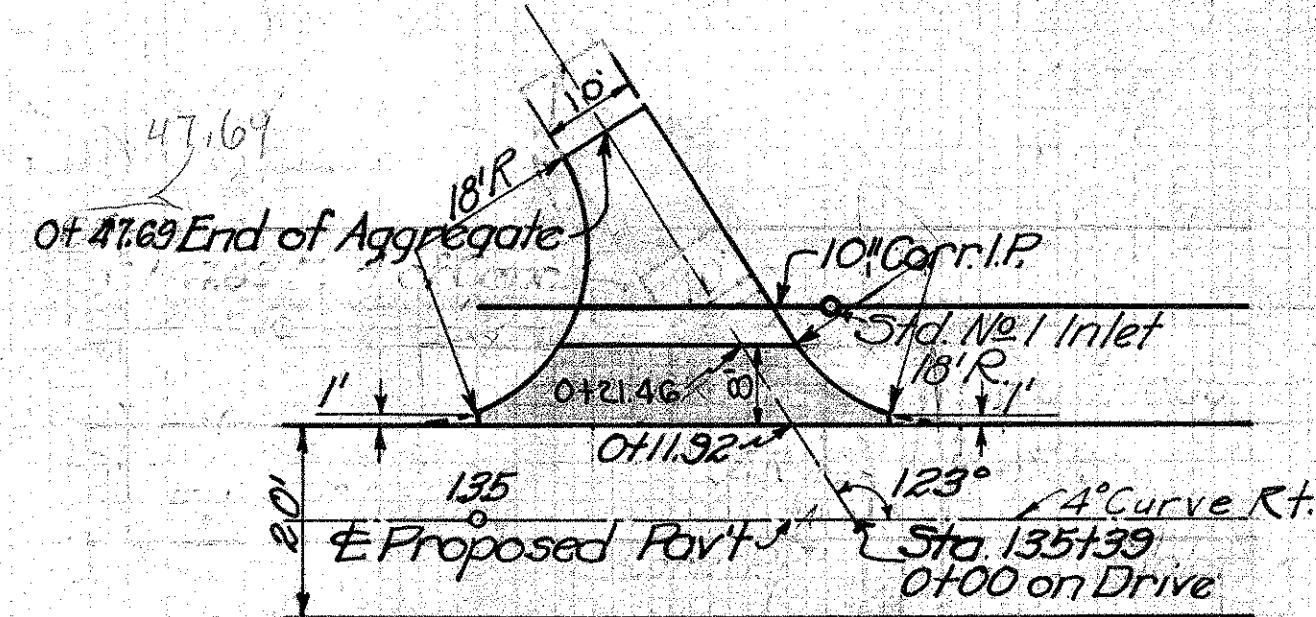
**PRIVATE DRIVE
STA. 19+34.7 LT.**



EST. QUANTITIES
6" Conc. Pavt. (Item T-70) 55.2 Sq. Yds.

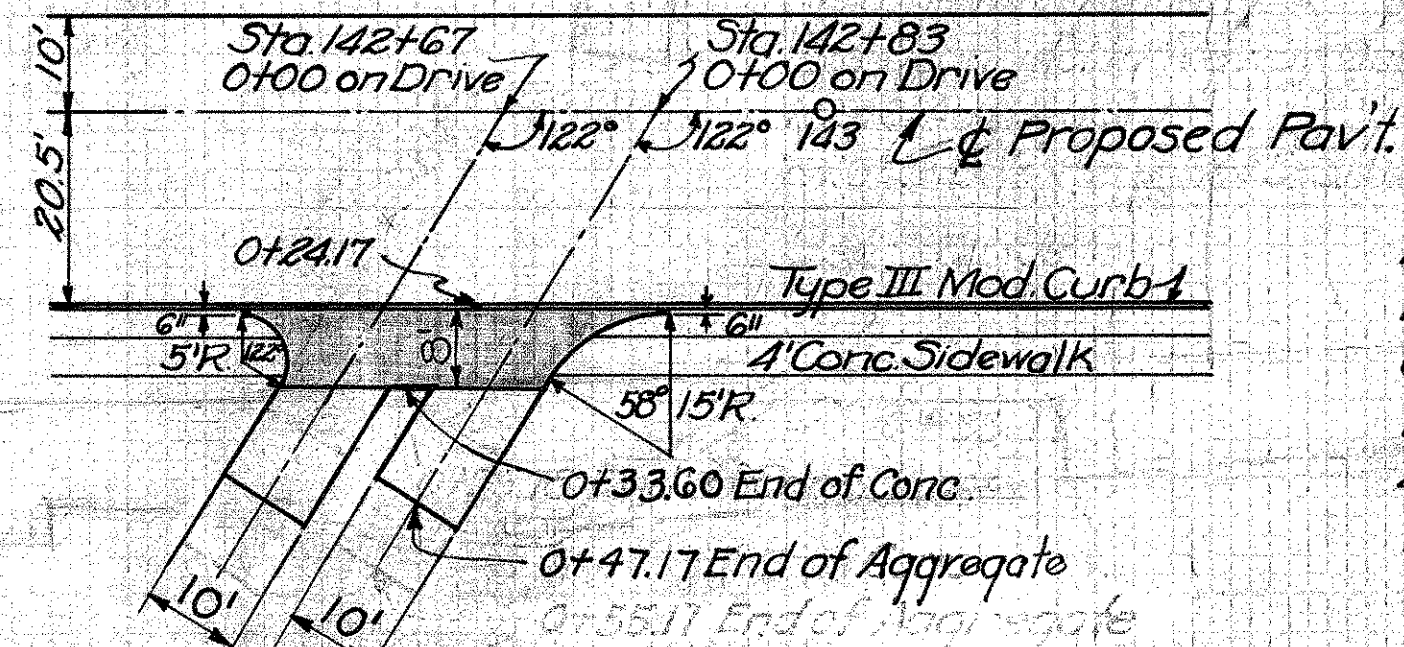


**PRIVATE DRIVE
STA. 135+39 Lt.**



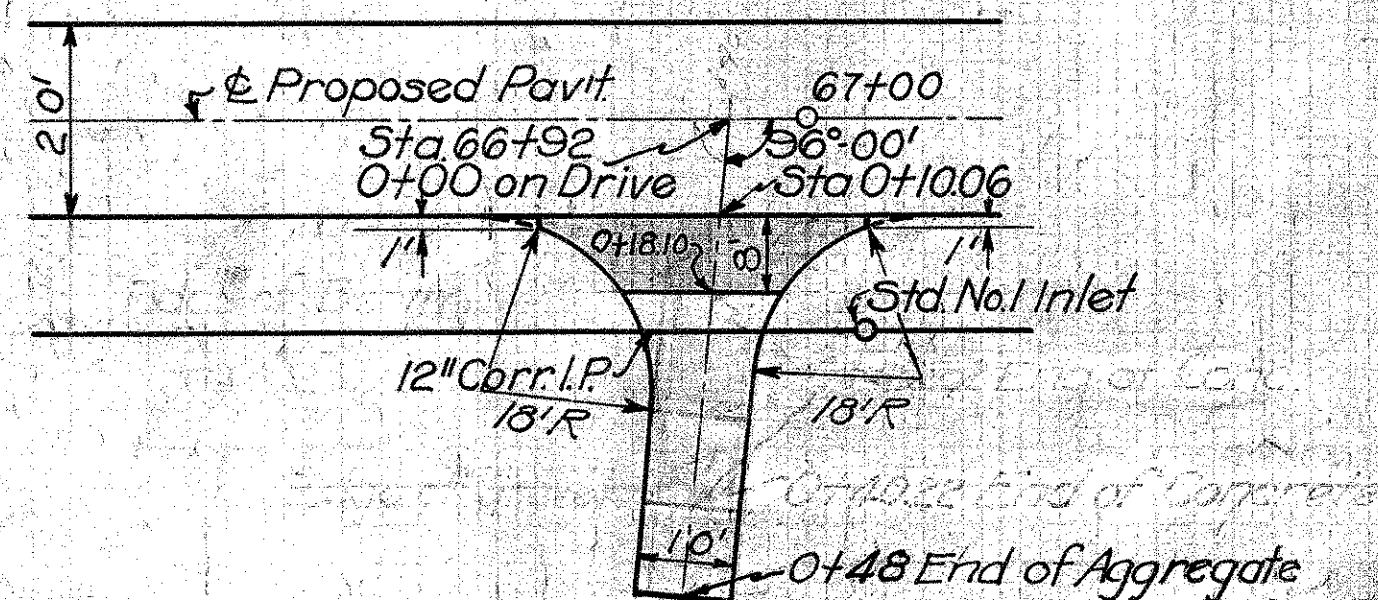
Build Drive as Shown
 6" Conc. Pav't (Item T-70) 29.6 Sq. Yds.
 No. 46 Aggregate 5 Cu. Yd.
 Excavation (Incl. in Rdwy. Quan) 5 Cu. Yd.

**PRIVATE DRIVE
STA. 142+67 & 142+83 RT**



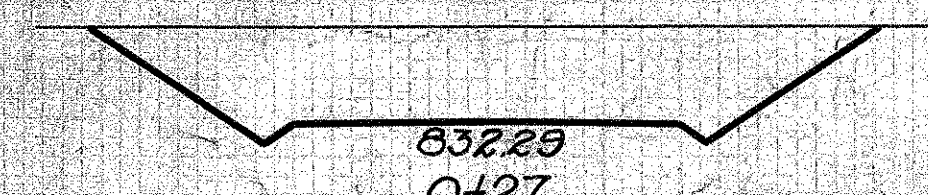
Build Drive as Shown
 Depress Curb as Directed
 6" Conc. Pav't (Item T-70) 28.9 Sq. Yds.
 No. 46 Aggregate 4 Cu. Yds.
 4" Conc. Sidewalk (4" thick) 29 Lin. Ft. (Net Deduction)
 Excavation (Incl. in Rdwy. Quan) 5 Cu. Yd.

**PRIVATE DRIVE
STA. 66+92 RT**



Build Drive as Shown
 Excav. Quan. (incl. in Rdwy. Quan) 19 Cu. Yds.
 No. 46 Aggregate 5 Cu. Yds.
 6" Conc. Pav't (Item T-70) 22.0 Sq. Yds.

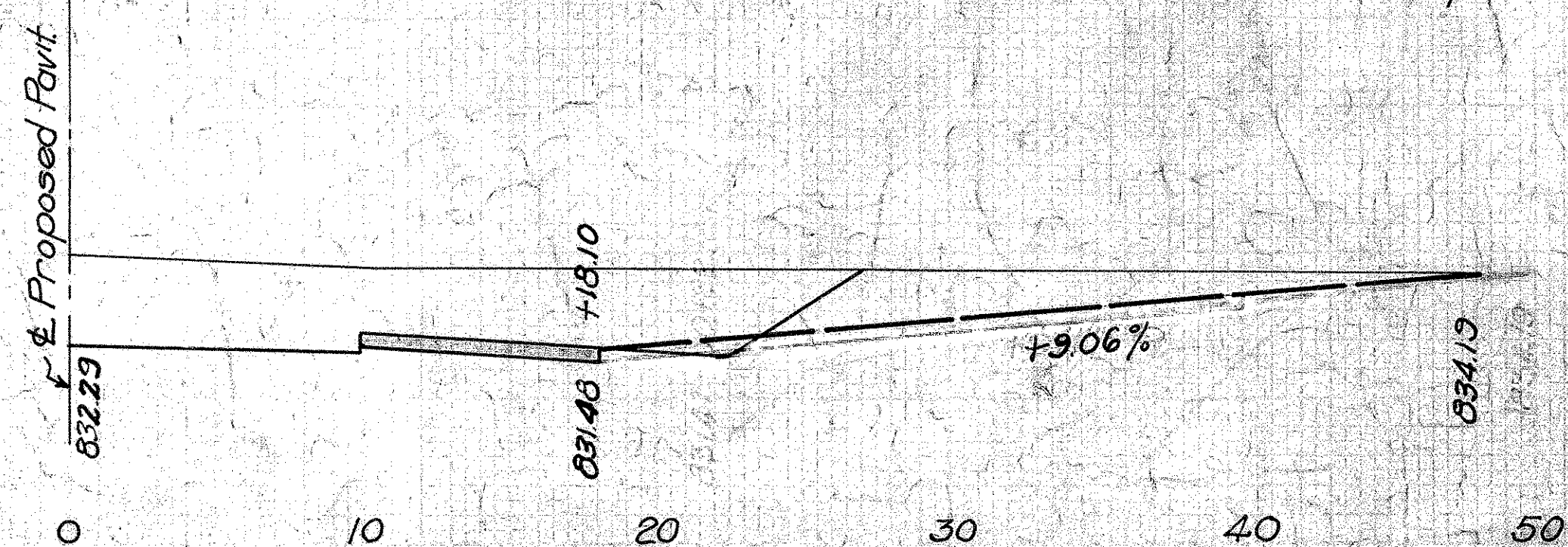
Zero Section
 0+48
 834.19



Zero Section
 0+23.5
 831.97

Excavation = 19 Cu. Yds.

Exc.	End Area	Cu. Yds.
0	0	16
42	42	3
0	0	

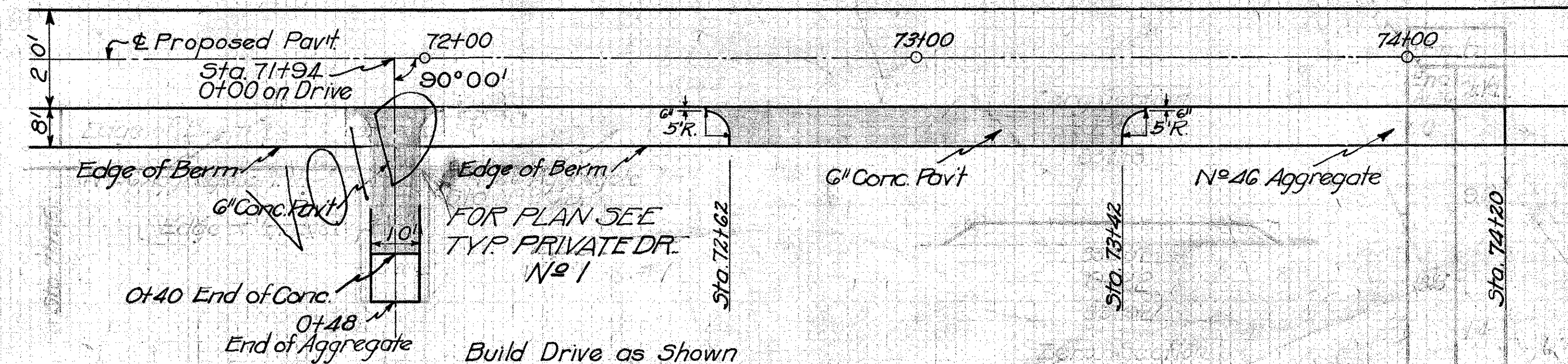


**PRIVATE DRIVE
STA. 71+94 RT.**

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-6	1933

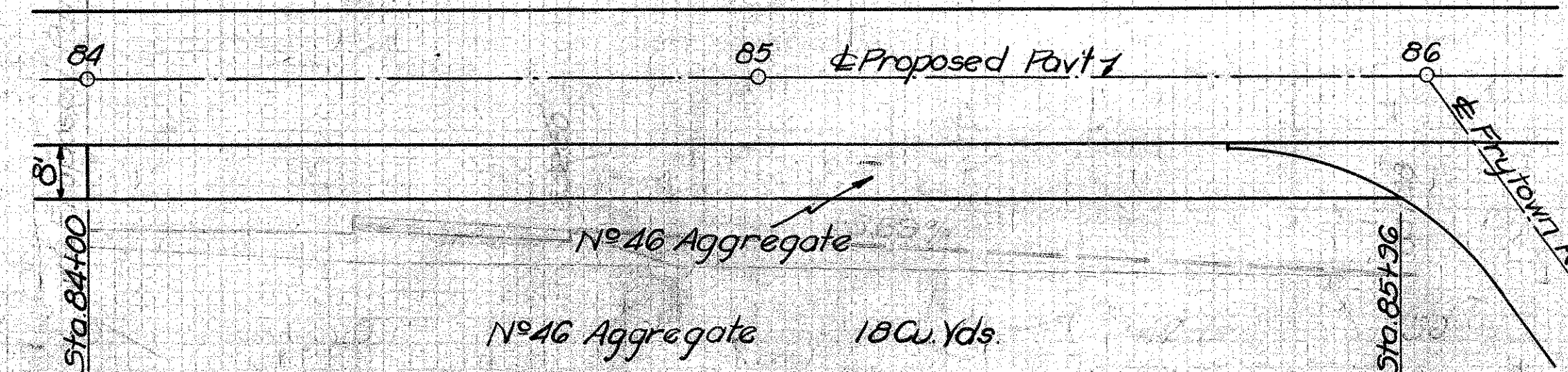
41
82

**S.H. 65 SEC. B PART C
MONTGOMERY COUNTY**

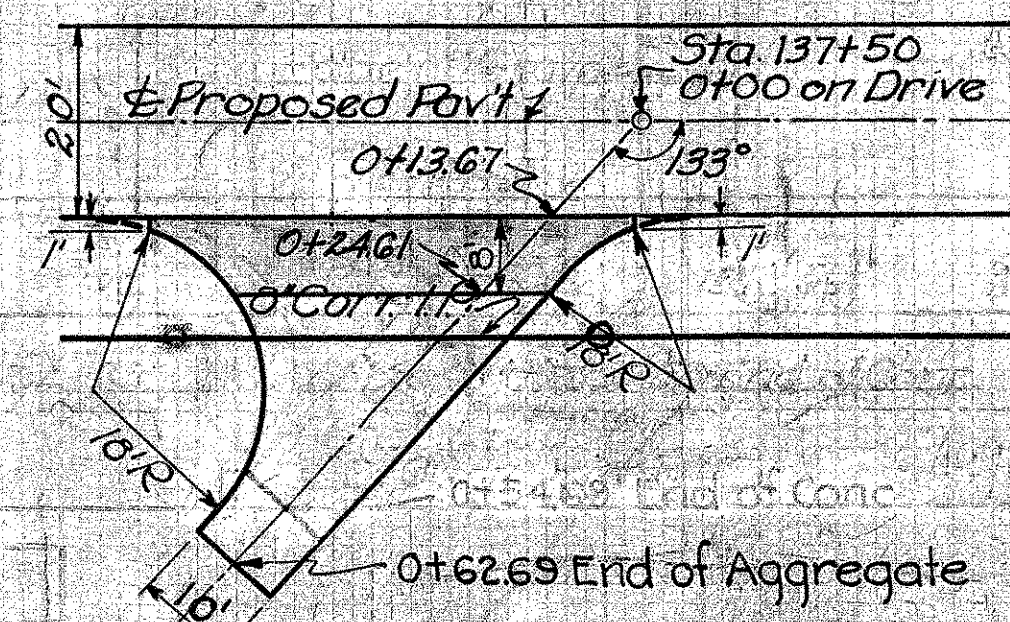


Build Drive as Shown
 Exc. (incl. in Rdwy. Quan) 12 Cu. Yds.
 No. 46 Aggregate 11 Cu. Yds.
 6" Conc. Pav't (Item T-70) 9.46 Sq. Yds.

PRIVATE DRIVE STA. 84+98 RT.

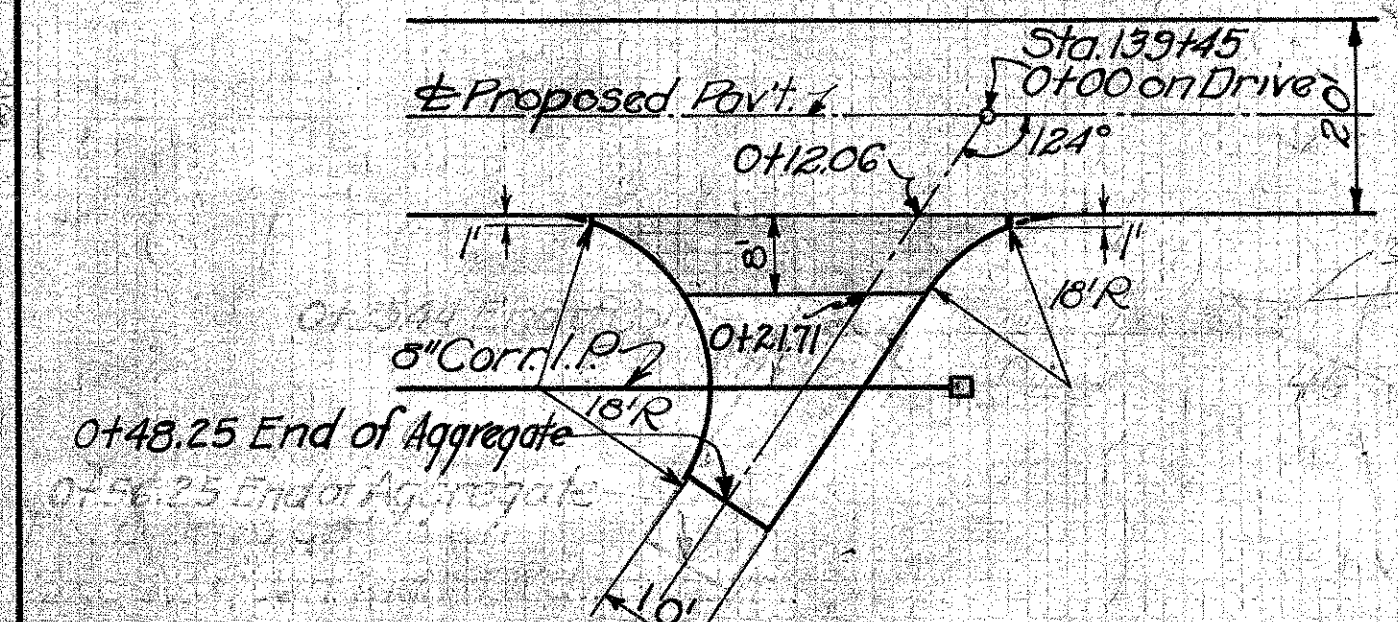


**PRIVATE DRIVE
STA. 137+50 RT.**



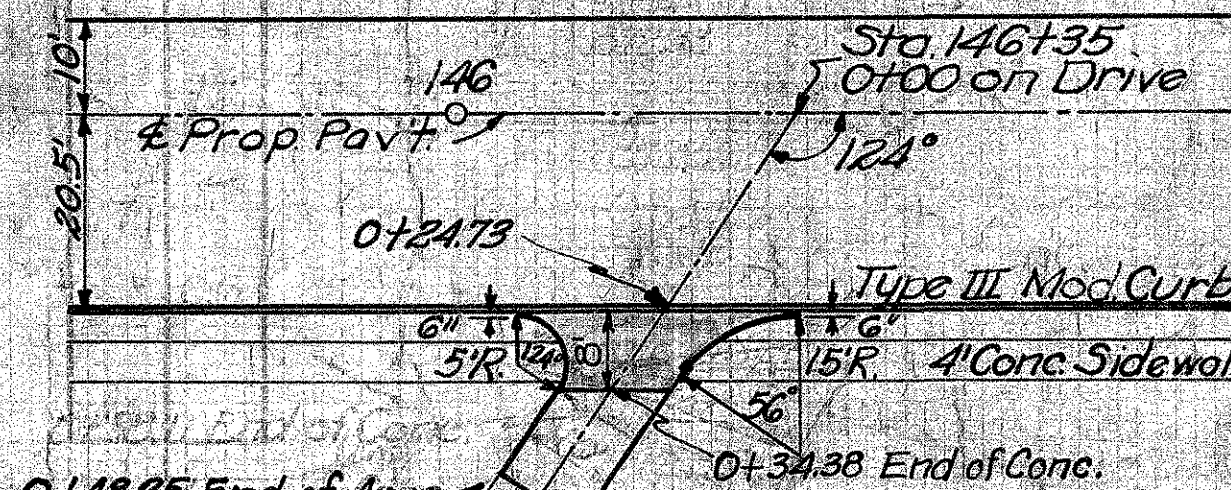
Build drive as shown
 6" Conc. Pav't (Item T-70) 36.85 Sq. Yds.
 No. 46 Aggregate 7 Cu. Yds.
 Excavation (Incl. in Rdwy. Quan) 8 Cu. Yds.

**PRIVATE DRIVE
STA. 139+45 RT.**



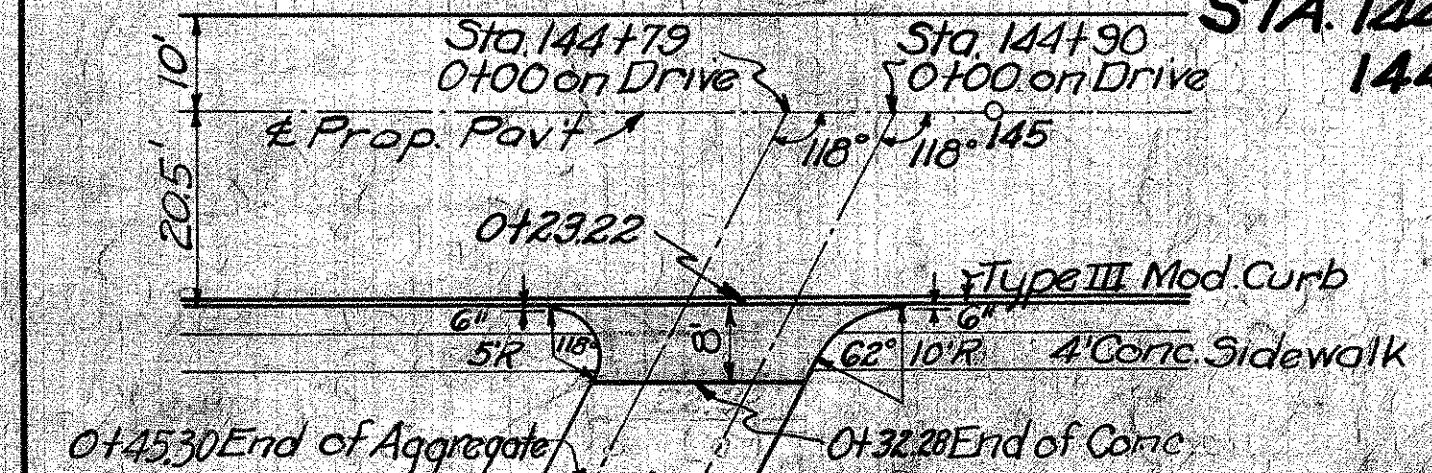
Build drive as shown
 6" Conc. Pav't (Item T-70) 30.2 Sq. Yds.
 No. 46 Aggregate 5 Cu. Yd.
 Excavation (Incl. in Rdwy. Quan) 5 Cu. Yd.

**PRIVATE DRIVE
STA. 146+35 RT.**



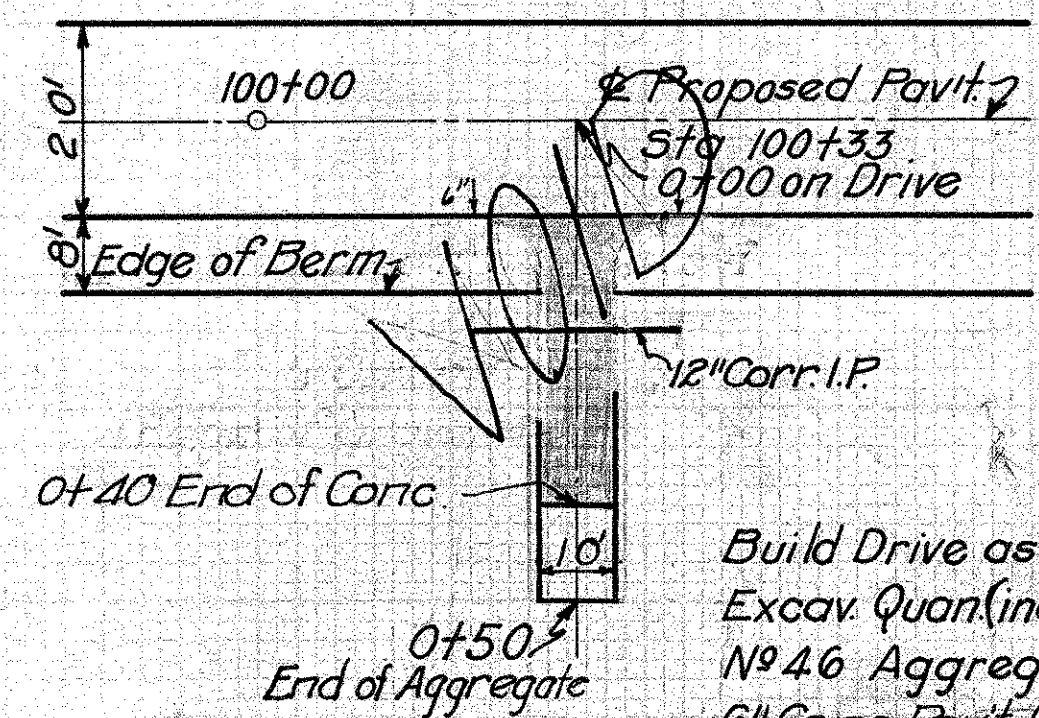
Build Drive as Shown
 Depress Curb as Directed
 6" Conc. Pav't (Item T-70) 15.0 Sq. Yds.
 No. 46 Aggregate 2 Cu. Yds.
 4" Conc. Sidewalk (4" thick) 13 Lin. Ft. (Net Deduction)

**PRIVATE DRIVE
STA. 144+79 & 144+90 RT**



Build Drive as Shown
 6" Conc. Pav't (Item T-70) 23.1 Sq. Yds.
 No. 46 Aggregate 4 Cu. Yds.
 4" Conc. Sidewalk (4" thick) 23 Lin. Ft. (Net Deduction)
 Depress Curb as Directed
 Excavation (Incl. in Rdwy. Quan) 5 Cu. Yd.

**PRIVATE DRIVE
STA. 100+33RT**



FOR PLAN SEE
TYP. PRIVATE DRIVE
NO. 1 SEE SHEET NO. 34

Build Drive as Shown
Excav. Quan. (incl. in Rdway Quan.) 10 Cu. Yds.
No. 46 Aggregate 4 Cu. Yds.
6" Conc. Pav't. (Item T-70) 21.7 Sq. Yds.
12" Corr. I.P. (M.G.4) 24 Lin. Ft.

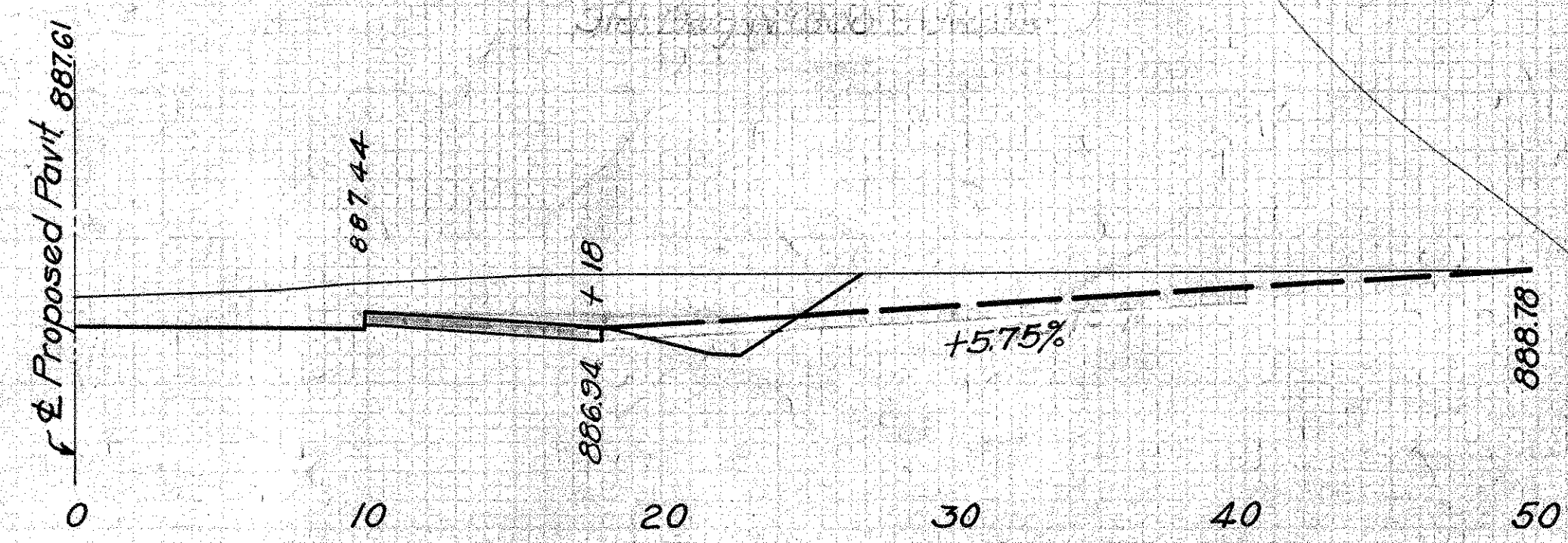
Zero Section
0+50
888.78

887.46
0+27
888.71

Zero Section
0+24.5
887.31

Excavation = 10 Cu. Yds.
Exc. for Pav't. 4.1

EXC.	
End Area	Cu. Yd.
0	9.0
21.2	1.0
0	

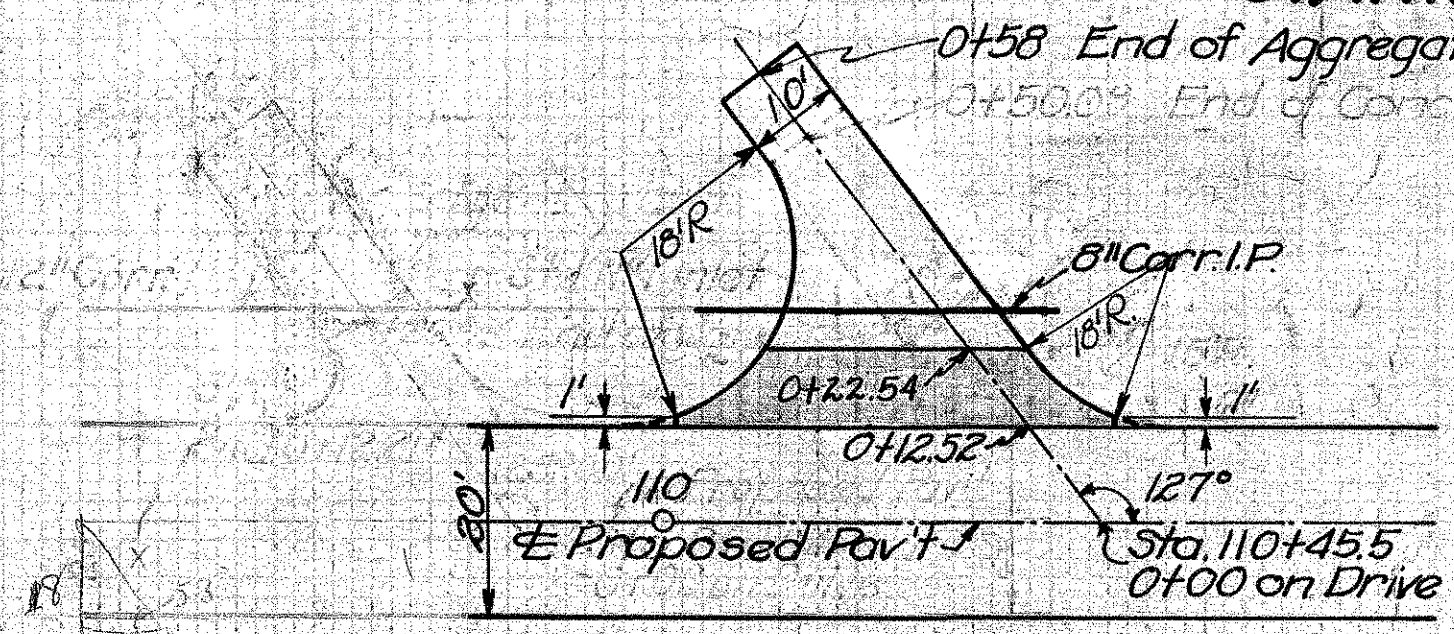


**PRIVATE DRIVE
STA. 110+45.5 Lt.**

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-G	1933

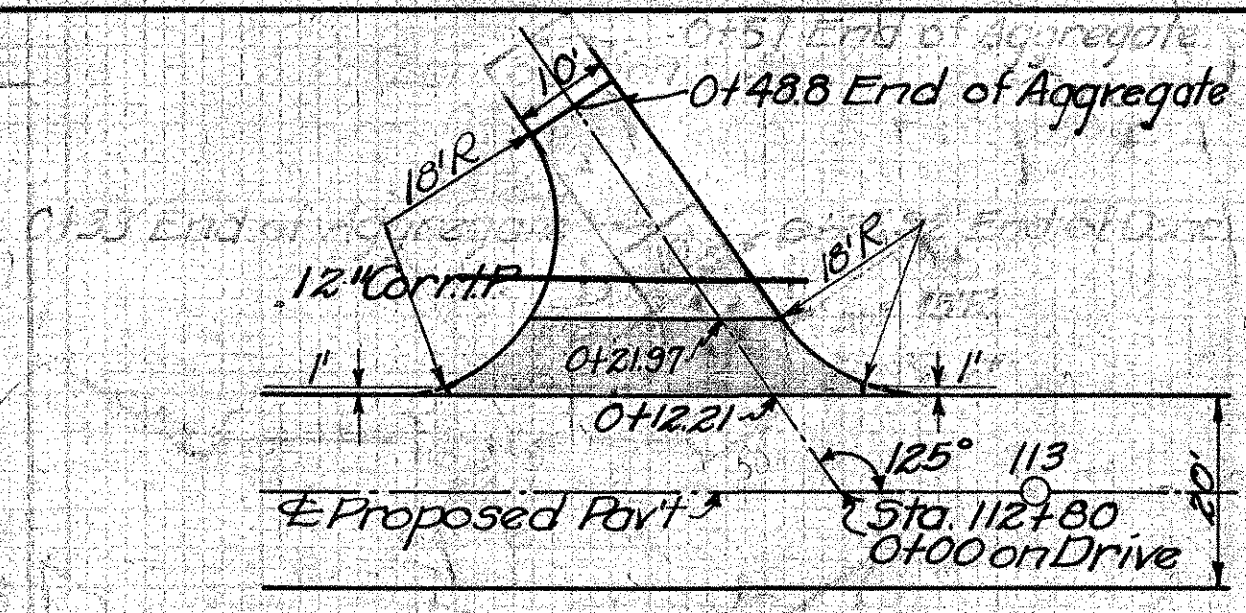
42
82

**S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY**



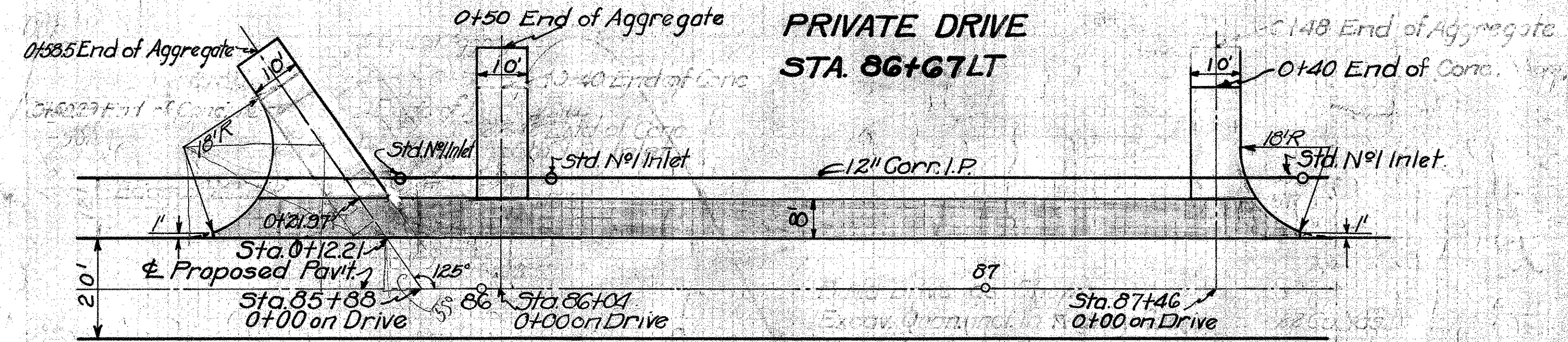
Build Drive as Shown
Exc. Quan. (incl. in Rdway Quan.) 38.1 Sq. Yds.
6" Conc. Pav't. (Item T-70) 33 Lin. Ft.
8" Corr. I.P. (M.G.4) 6 Cu. Yds.
No. 46 Aggregate 6 Cu. Yds.
Exc. (incl. in Rdway Quan.) 6 Cu. Yds.

**PRIVATE DRIVE
STA. 112+80 Lt.**



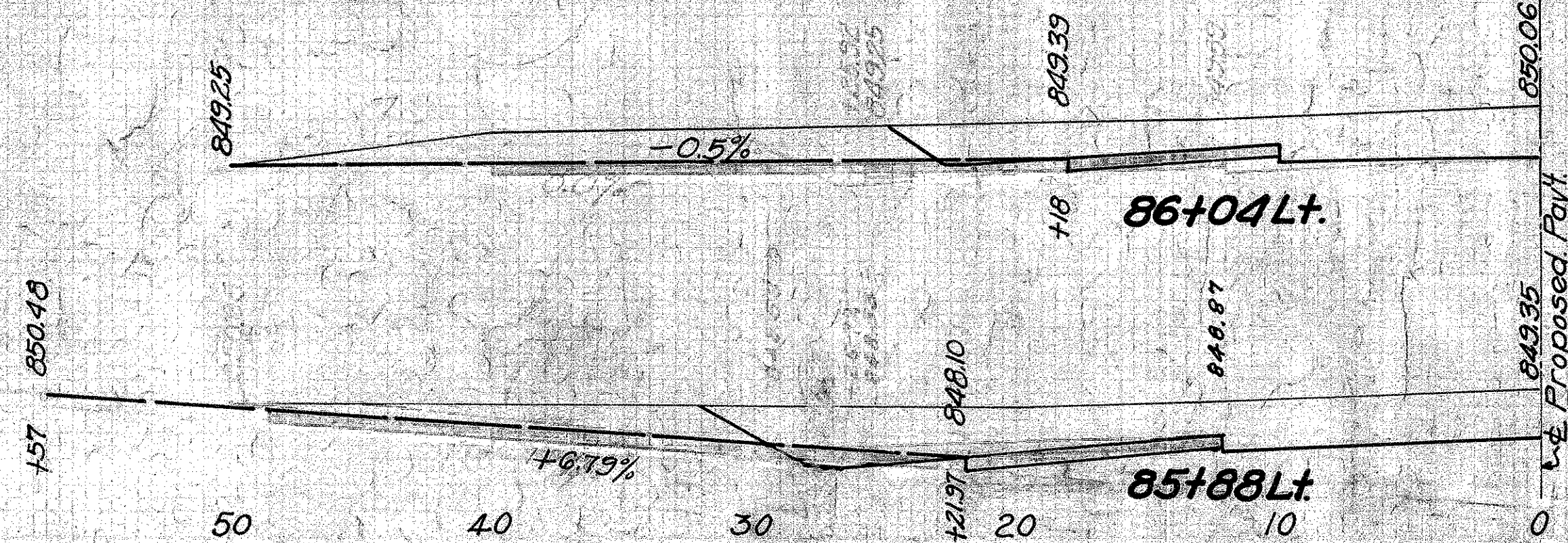
Build Drive as Shown
6" Conc. Pav't. (Item T-70) 30.8 Sq. Yds.
No. 46 Aggregate 5 Cu. Yds.
12" Corr. I.P. (M.G.4) 38 Lin. Ft.
Exc. (incl. in Rdway Quan.) 5 Cu. Yds.

**PRIVATE DRIVE
STA. 86+67 Lt.**

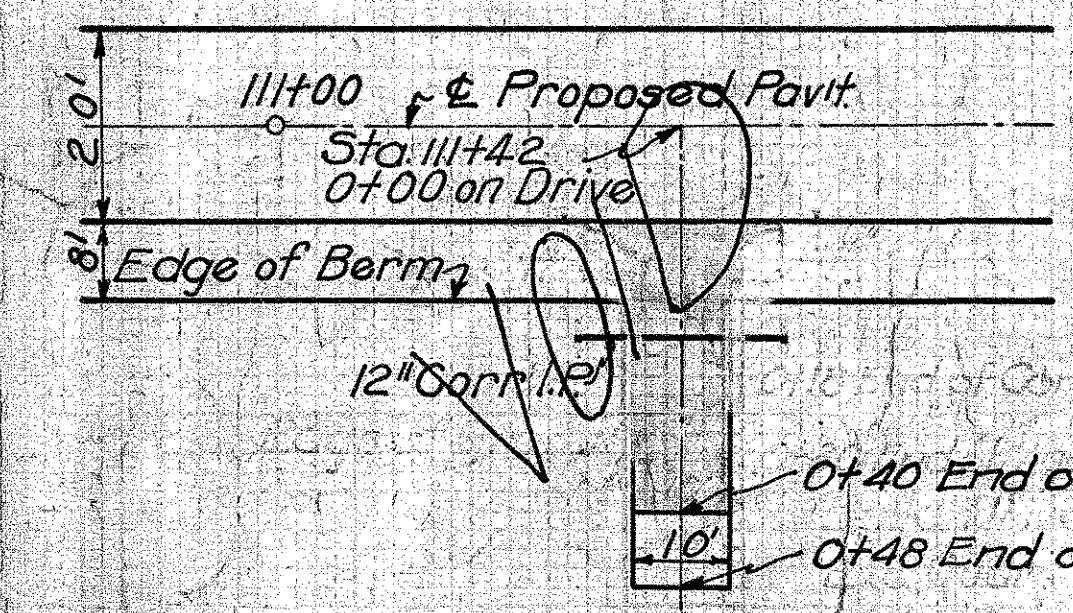


Build Drive as Shown
Exc. (incl. in Rdway Quan.) 40 Cu. Yds.
No. 46 Aggregate 12 Cu. Yds.
6" Conc. Pav't. (Item T-70) 218.1 Sq. Yds.

0+48 End of Aggregate
0+40 End of Conc.

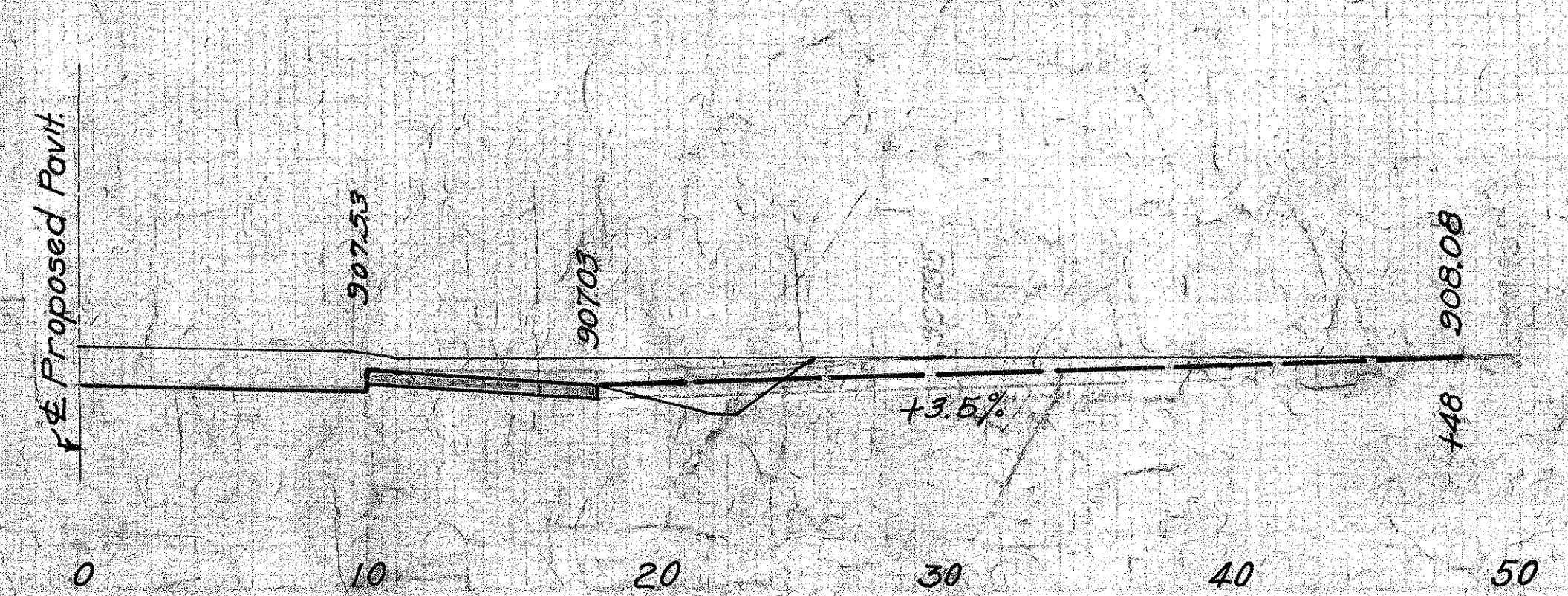


**PRIVATE DRIVE
STA. 111+42 RT**

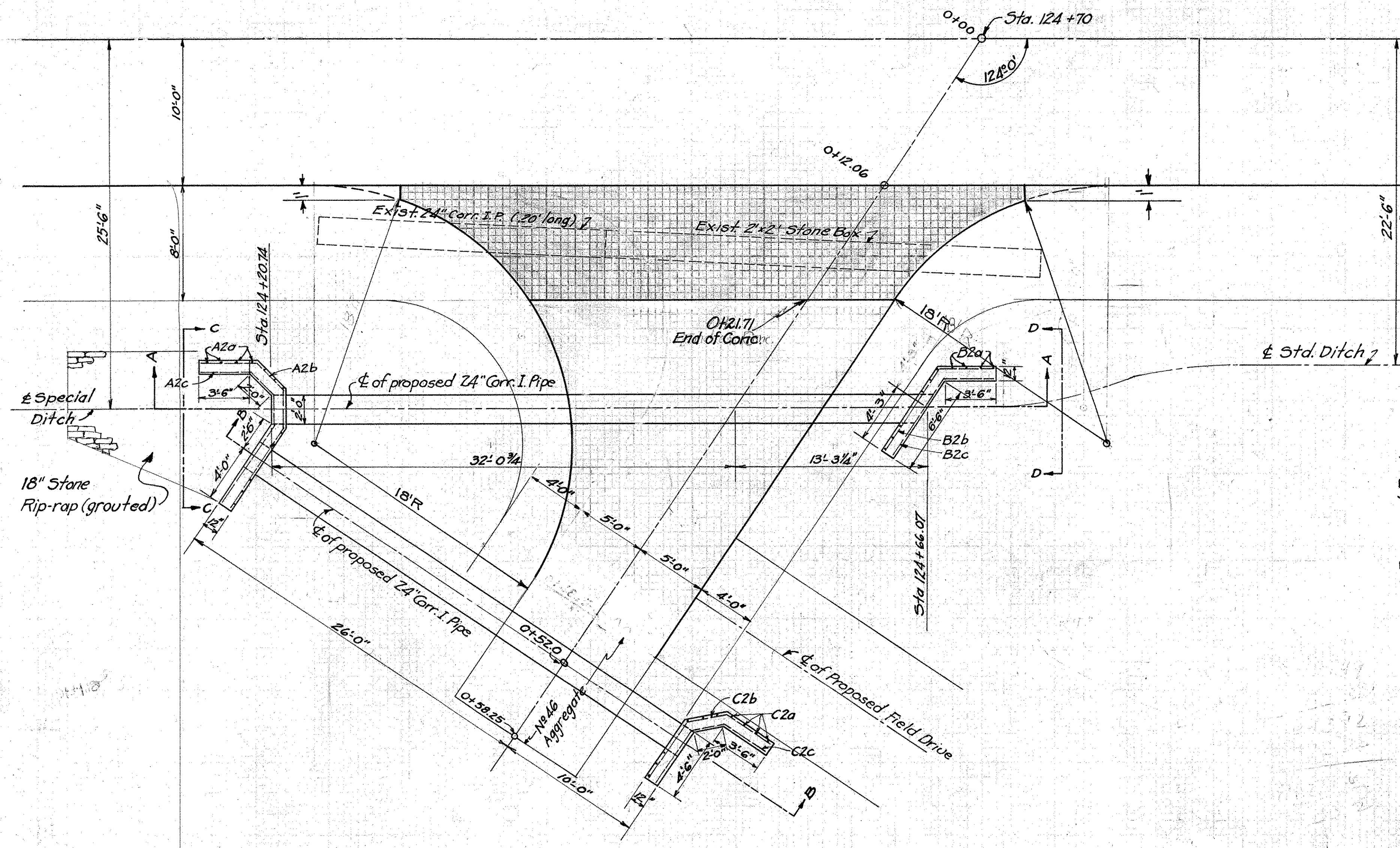


FOR PLAN SEE
TYP. PRIVATE DRIVE
NO. 1
SEE SHEET NO. 34

Build Drive as Shown
6" Conc. Pav't. (Item T-70) 21.7 Sq. Yds.
12" Corr. I.P. (M.G.4) 24 Lin. Ft.
Exc. (incl. in Rdway Quan.) 10 Cu. Yds.
No. 46 Aggregate 4 Cu. Yds.



S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY



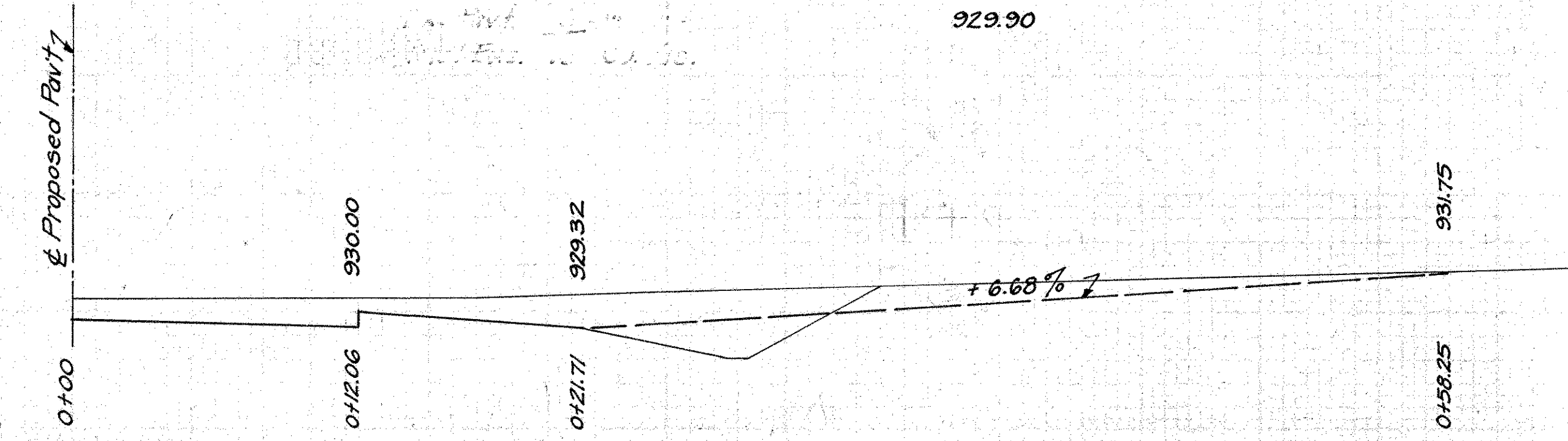
PLAN
Scale 1"=5'-0"

Exc.	
End Area	Cu. Yd.
0	10
22.5	1
0	

Exc 11 Cu. Yds

Zero Section
0+58.25
931.75

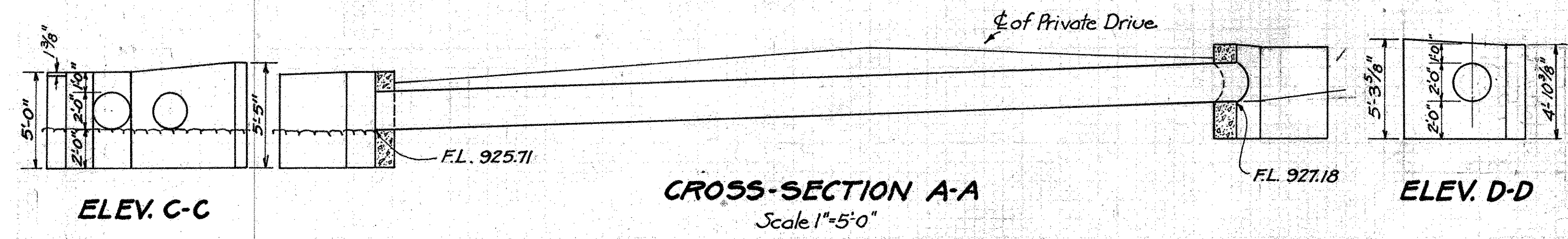
Zero Section
0+31.5
929.90



STEEL LIST					
MARK	SIZE	SHAPE	Nº	LENGTH	WEIGHT
A2a	1/2" φ	STRT.	12	4'-9"	38
A2b	"	BENT	1	15'-9"	11
A2c	"	BENT	1	14'-3"	10
B2a	"	STRT.	10	4'-9"	32
B2b	"	BENT	1	10'-3"	7
B2c	"	BENT	1	9'-9"	7
C2a	"	STRT.	10	4'-9"	32
C2b	"	BENT	1	11'-3"	8
C2c	"	BENT	1	10'-2"	7
TOTAL					152

- Build Drive as shown
- Excavation for drive included in Roadway Quantities
 - Excavation (For H.W's) 18.0 Cu. Yds.
 - 6" Pavment Item 7-70 30.2 Sq. Yds.
 - Nº 46 Aggregate 6 Cu. Yd.
 - 24" Corr. I.P. (M-6.4) 82 Lin. Ft.
 - Reinforcing Steel 152 Lbs.
 - Concrete (H.W's) 1:5½ mix 6.8 Cu. Yds.
 - 18" Stone Rip-rap (grouted) 12.0 Sq. Yds.

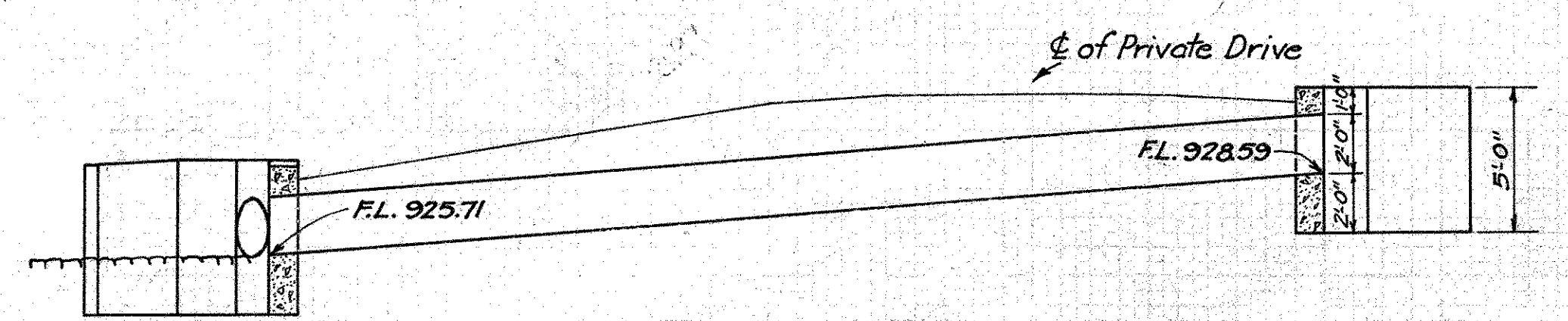
Note: The excavation for the 24" Corr. I.P. is included in the price bid per lin. ft. of pipe.



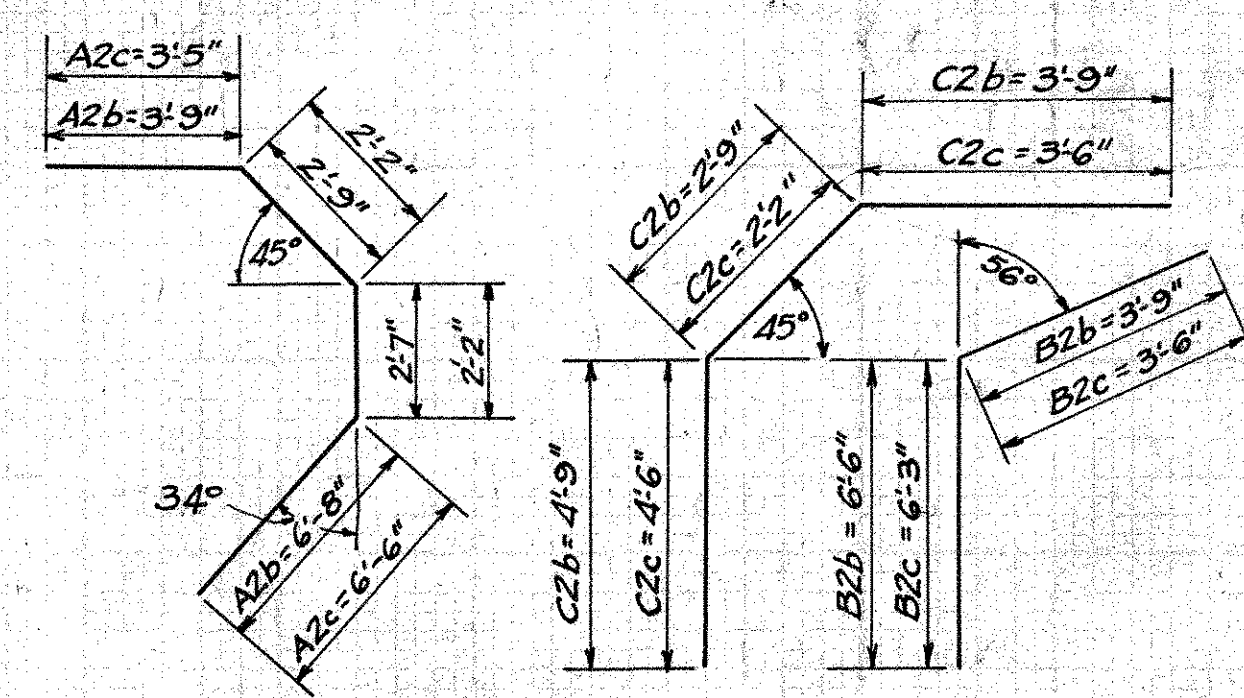
CROSS-SECTION A-A
Scale 1"=5'-0"

ELEV. C-C

ELEV. D-D



CROSS-SECTION B-B
Scale 1"=5'-0"

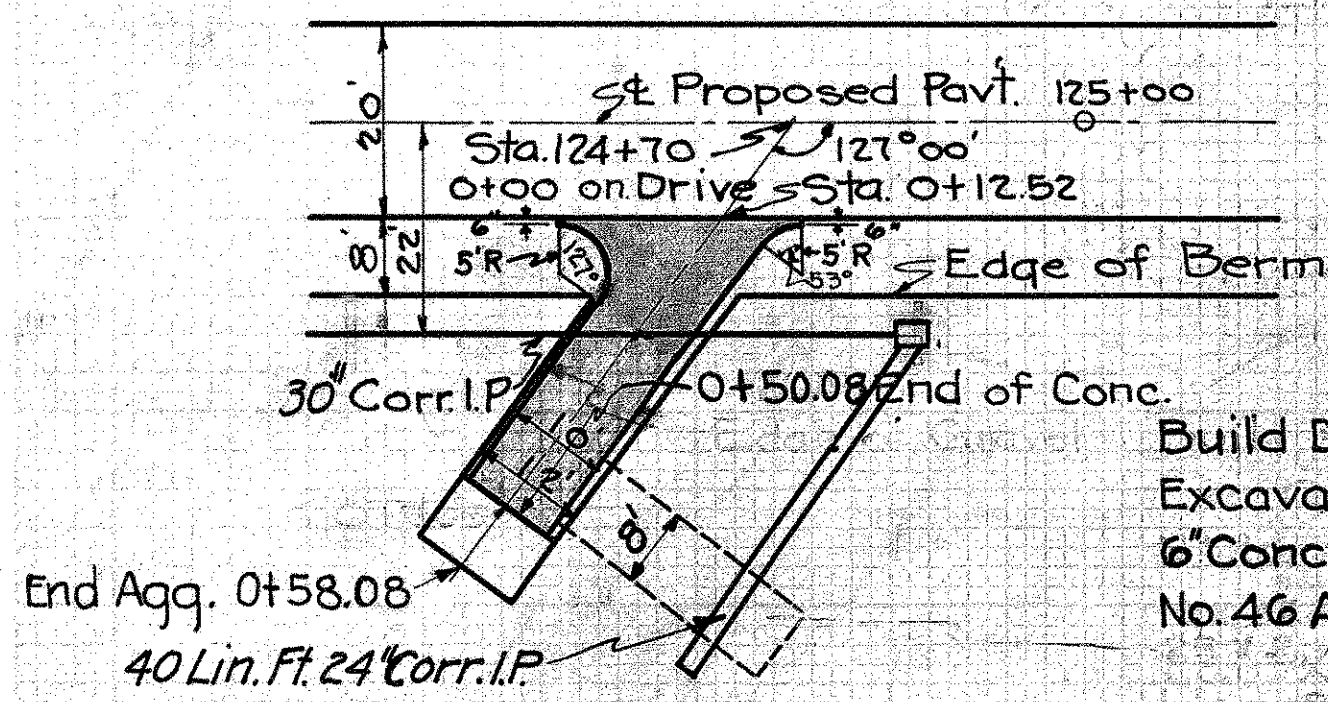


BENDING DIAGRAMS

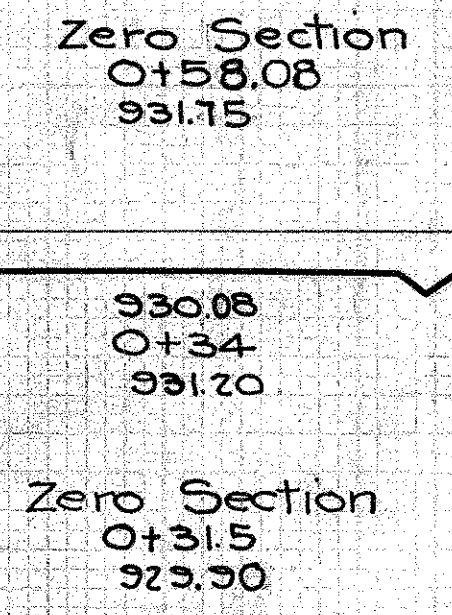
Drwn. By: OIM
Checked By: E.E.D.

PRIVATE DRIVE
STA. 124+70

PRIVATE DRIVE
STA. 124+70 Rt.



Build Drive as shown.
Excavation to be included in Roadway Quantities
6" Conc. Pavt. 1:5 1/2 Mix 45.0 sq.yds.
No. 4G Aggregate 1 Cu.Yd.

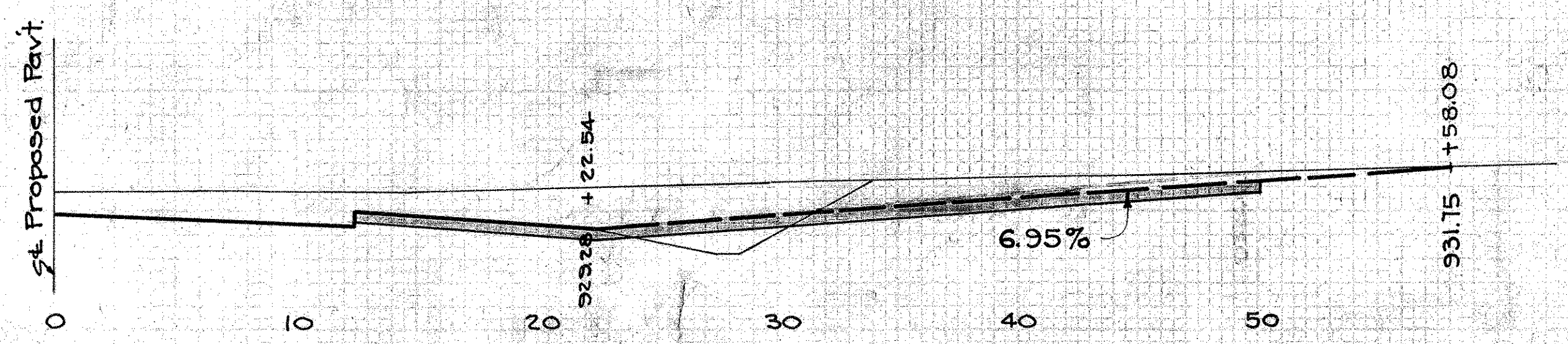


EXC.	
End Area	Cu.Yd.
0	10
22.5	1
0	

Exc. = 11 Cu.Yds.
Exc. Pavt. = 5 " "
Total Exc. = 16 " "

VOID

24" Corr. I.P. M-6.4 40 lin.ft.

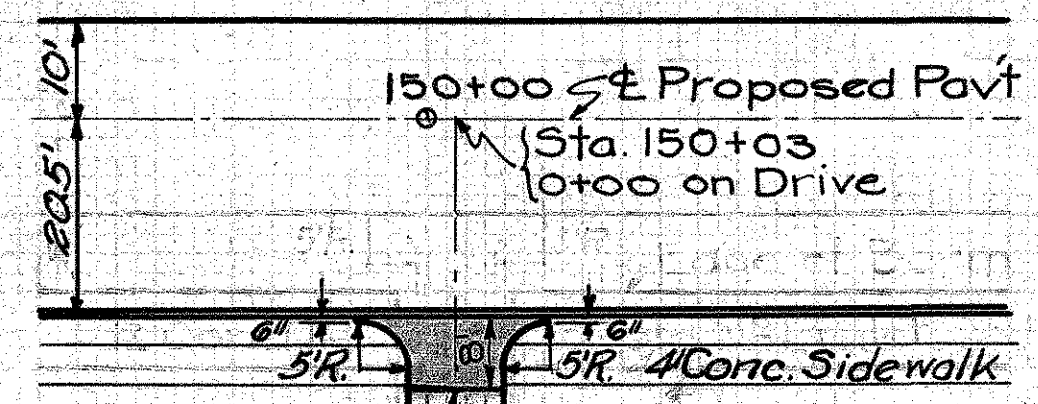


PRIVATE DRIVE
STA. 150+03 Rt.

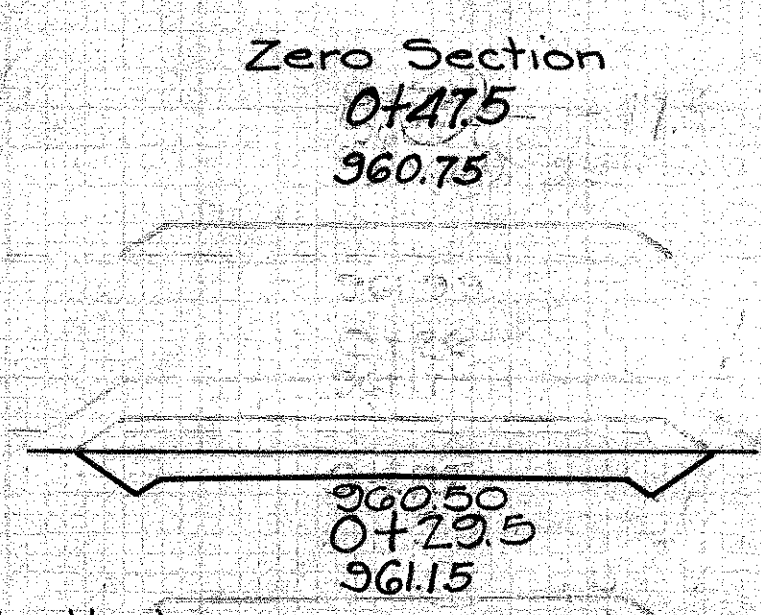
FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-6	1933

44
82

S.H. 65 SEC. B, PART C
MONTGOMERY COUNTY

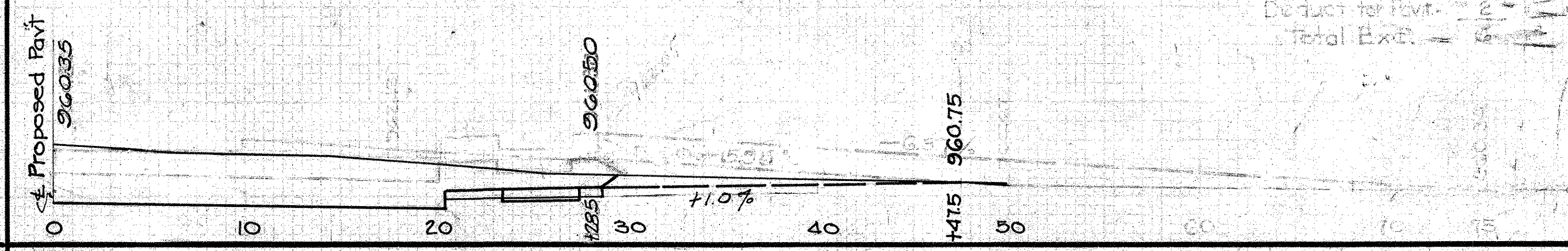


Build Drive as shown
Excav. Quan. (incl. in Roadway Quan) 4 Cu.Yds.
No. 4G Aggregate 3 Cu.Yds.
6" Conc. Pavt. (Item T-70) 10.6 Sq.Yds.
4' Conc. Sidewalk (4" thick) 10 Lin.Ft. (Net Deduction)
Depress Curb as Directed

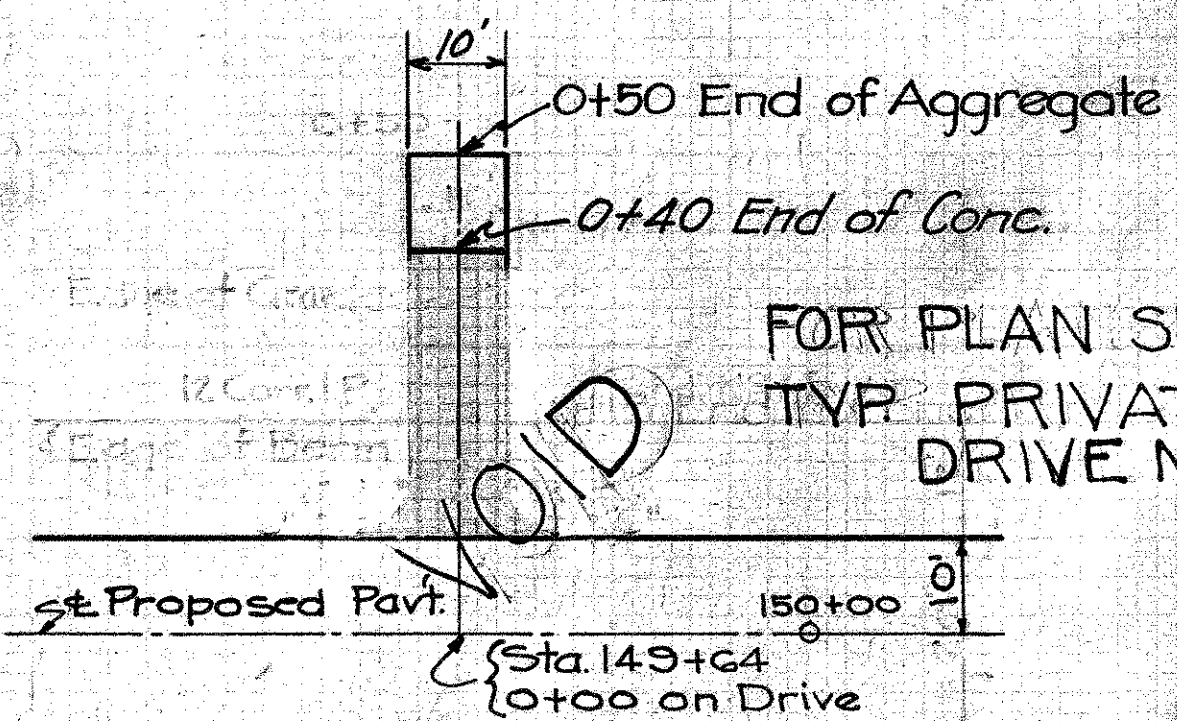


EXC.	
End Area	Cu.Yd.
0	4
12	0
0	

Exc. = 4 Cu.Yds.
Deduct for Pavt. = 2
Total Exc. = 2



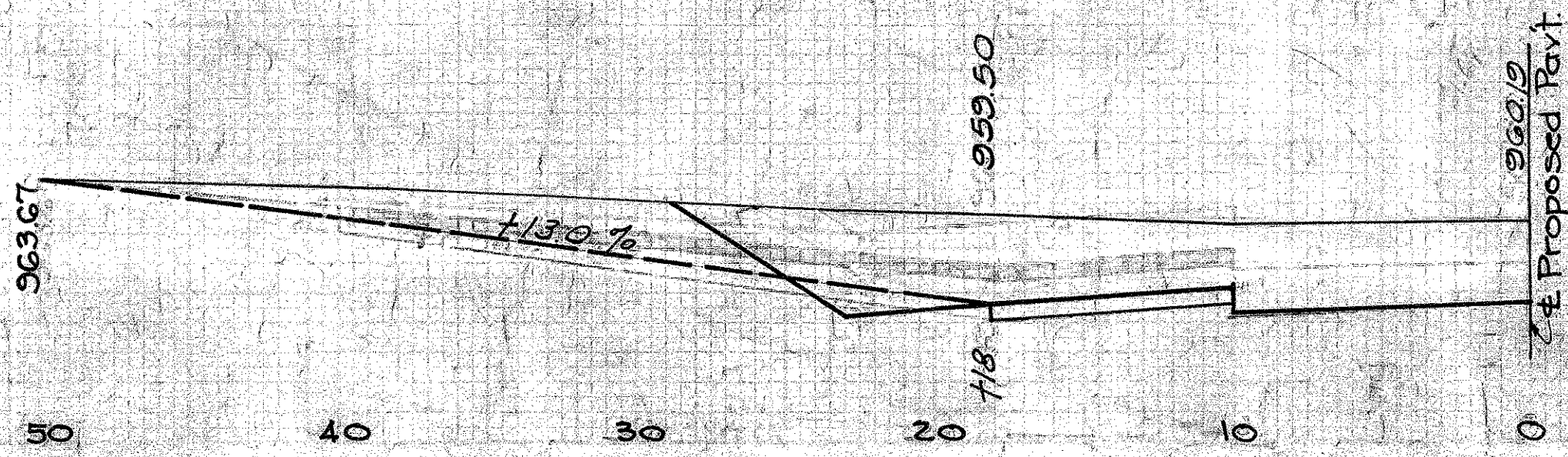
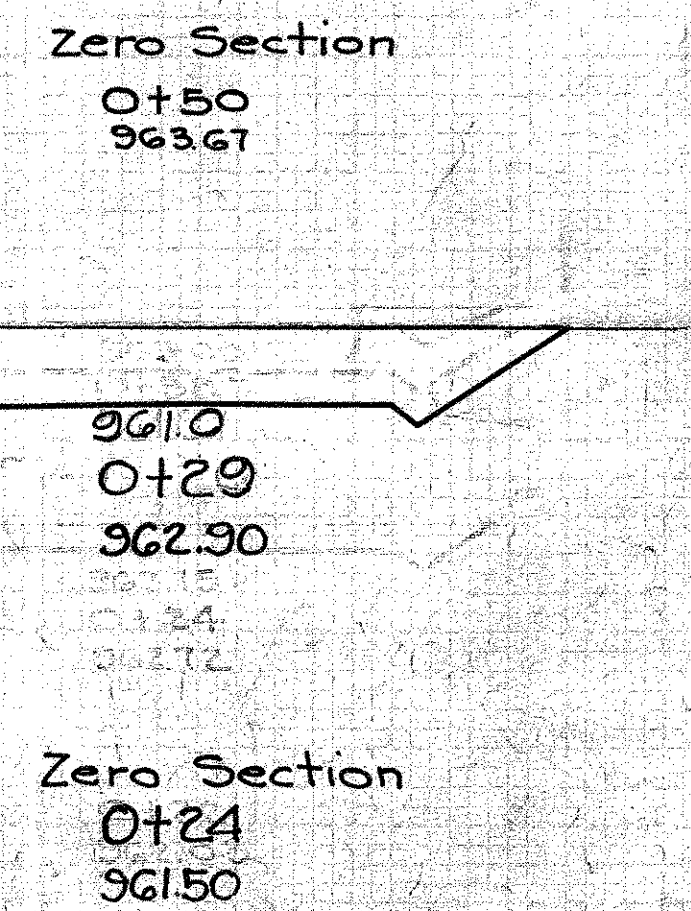
PRIVATE DRIVE
STA. 149+64 Lt.



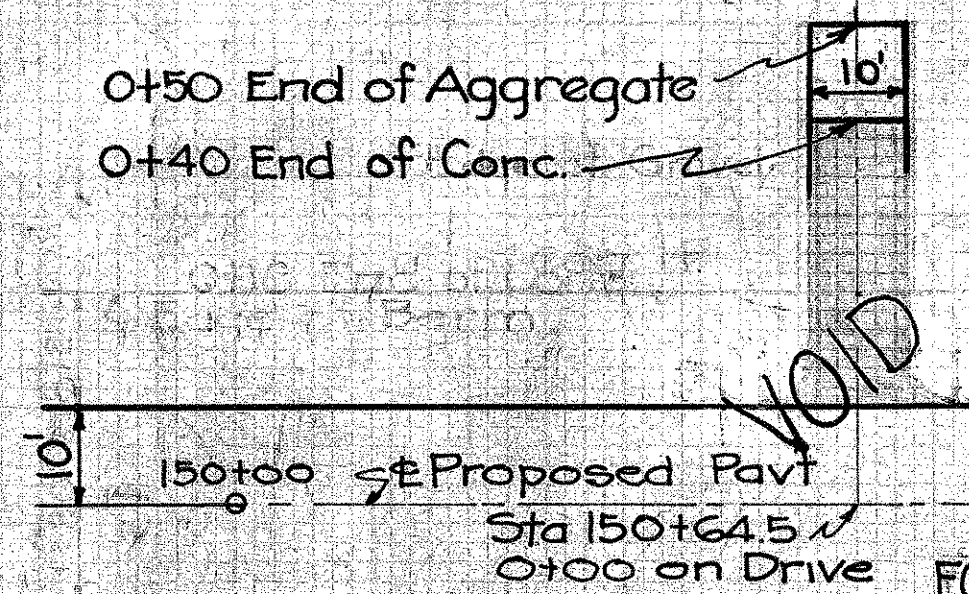
Build Drive as shown
Alignment of Drive to be adjusted in field to meet existing Drive at Sta. 0+50
Exc. Quan. (incl. in Rdway Quan) 19 Cu.Yds.
No. 4G Aggregate 4 Cu.Yds.
6" Conc. Pavt. (Item T-70) 21.7 Sq.Yds.

EXC.	
End Area	Cu.Yd.
0	15
38	4
0	

Exc. = 19 Cu.Yds.



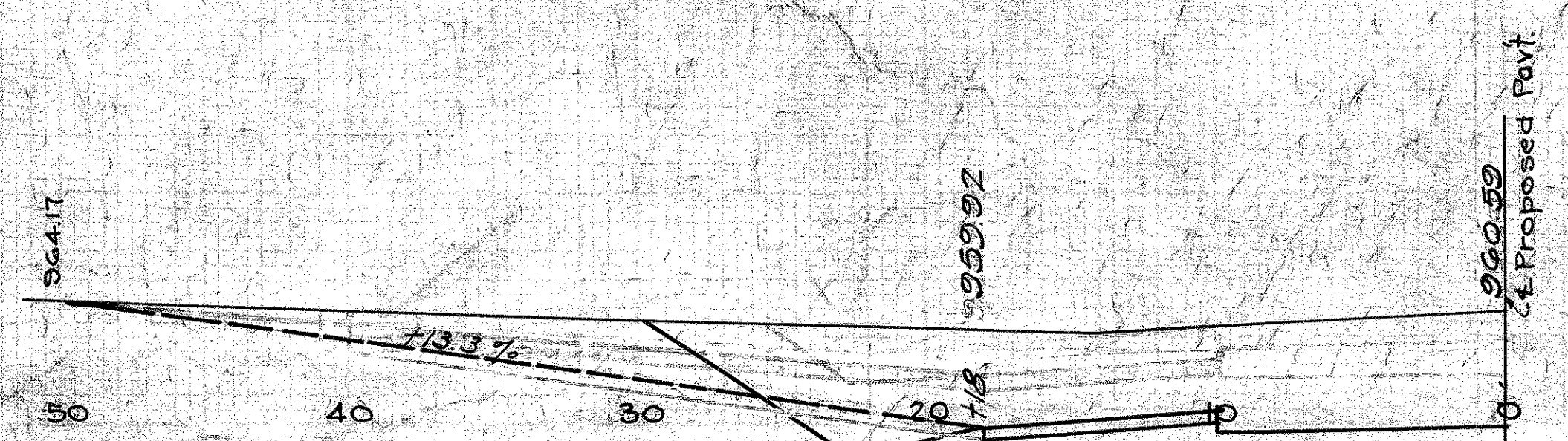
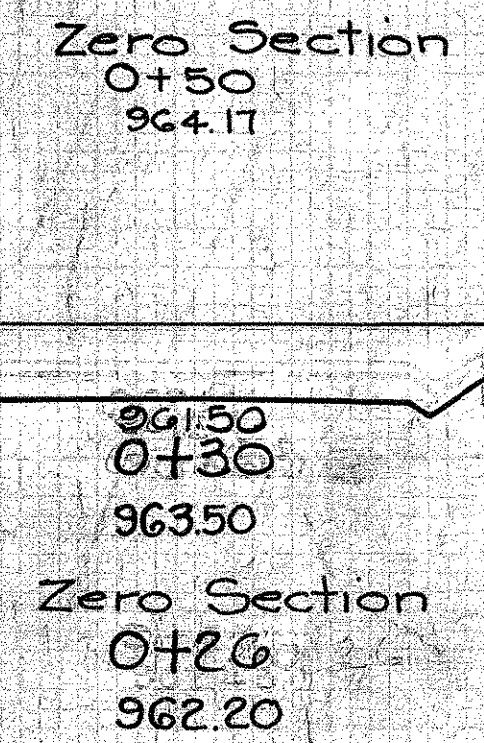
PRIVATE DRIVE
STA. 150+64.5 Lt.



Build Drive as shown.
Alignment of Drive to be adjusted in field to meet existing drive at Sta. 0+50
Exc. Quan. (incl. in Rdway Quan) 16 Cu.Yds.
No. 4G Aggregate 4 Cu.Yds.
6" Conc. Pavt. (Item T-70) 21.7 Sq.Yds.

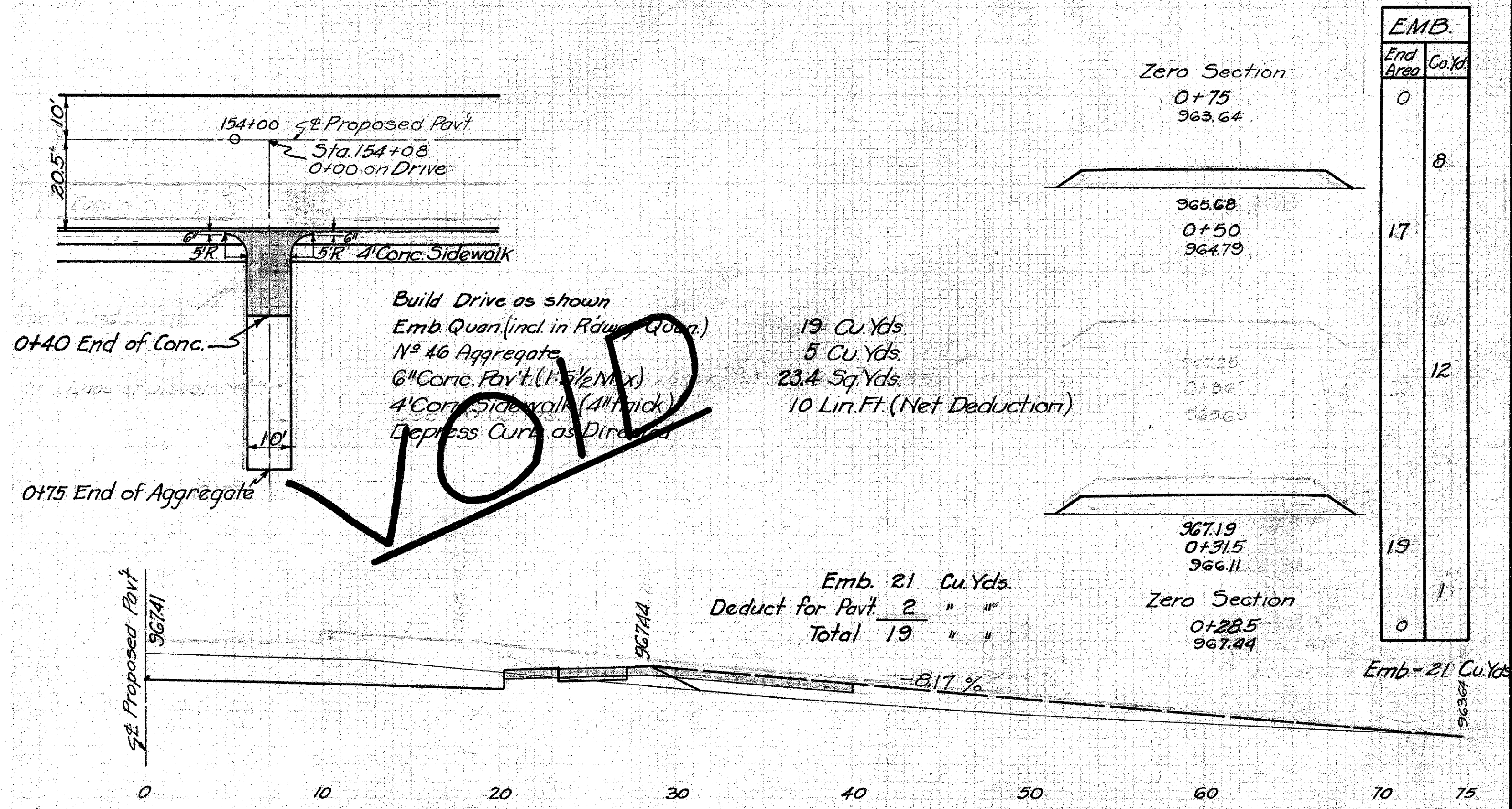
EXC.	
End Area	Cu.Yd.
0	13
35	3
0	

Exc. = 16 Cu.Yds.
Pavt. = 4
Total = 20

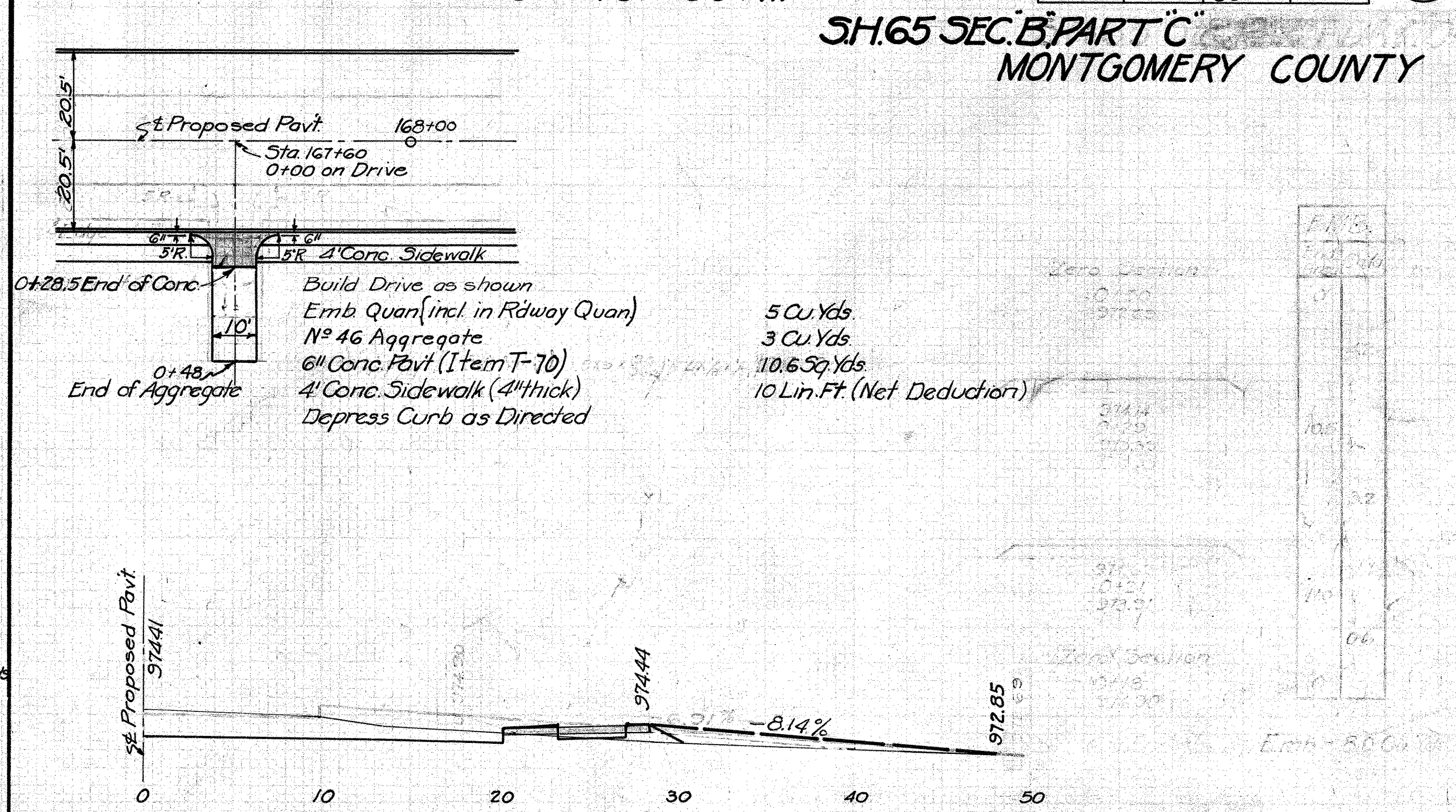


48.4
21.7
72.1
3
75
Check

**PRIVATE DRIVE
STA. 154+08 Rt.**

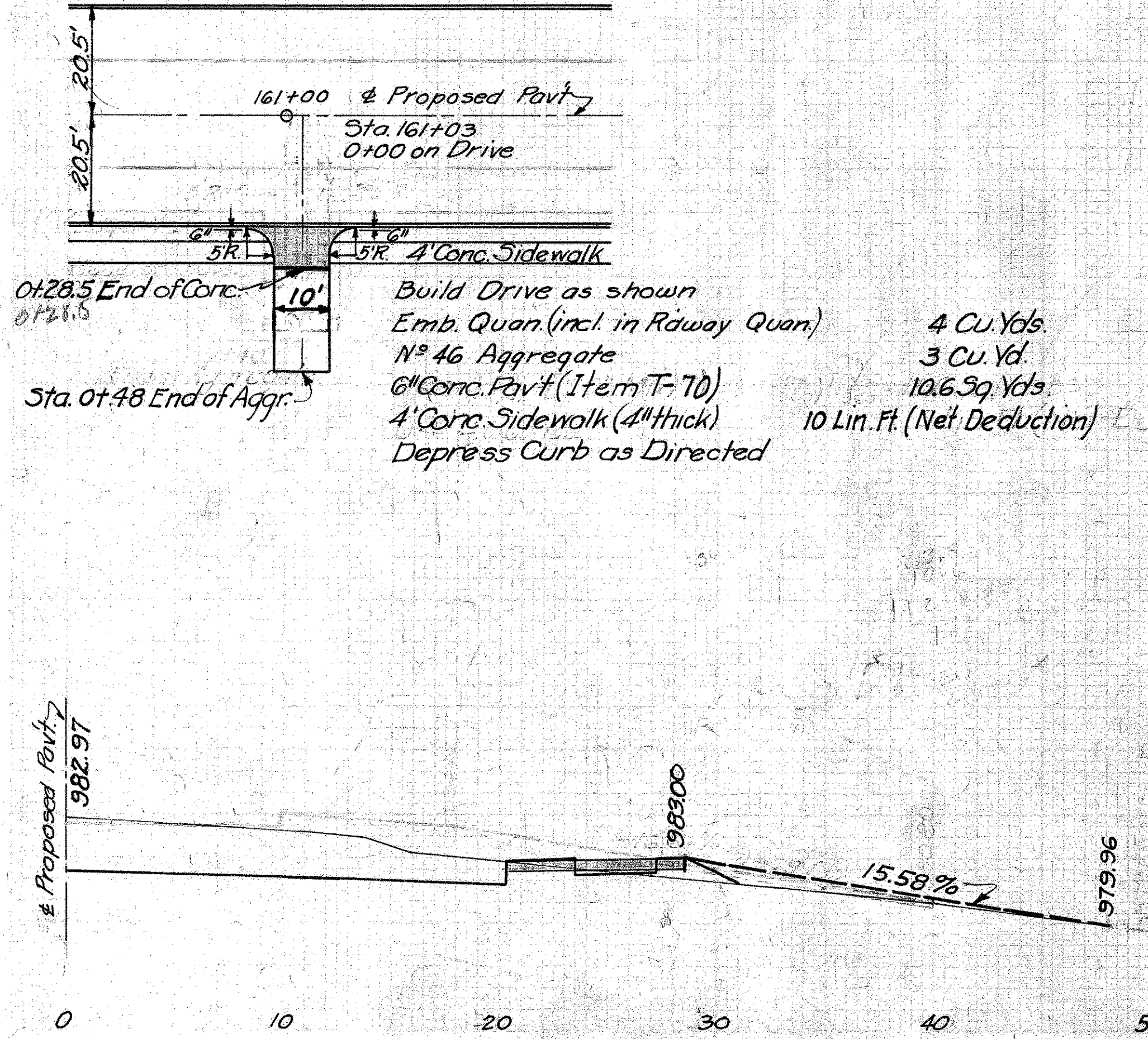


**PRIVATE DRIVE
STA. 167+60 Rt.**

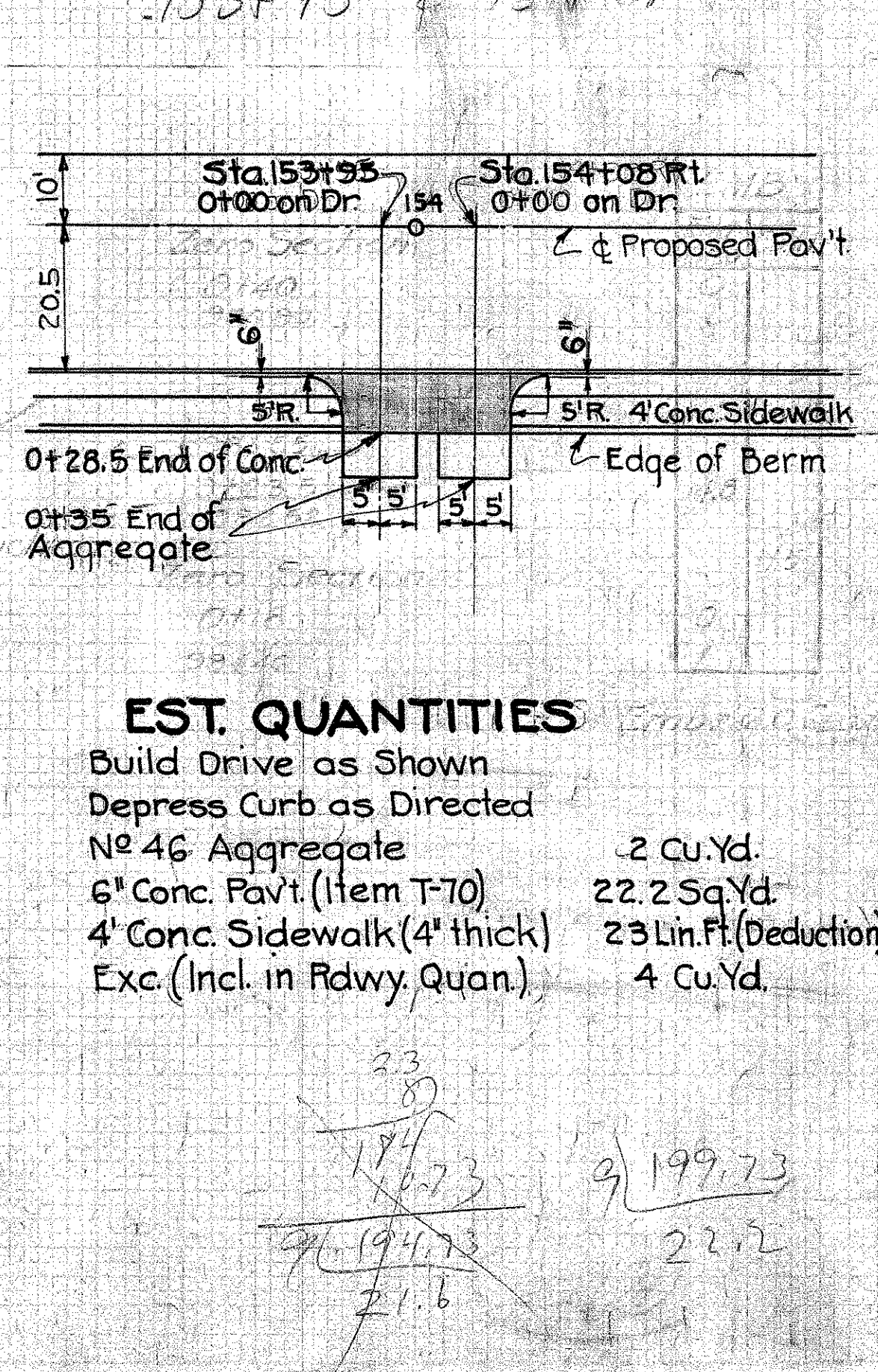


**SH. 65 SEC. B PART C
MONTGOMERY COUNTY**

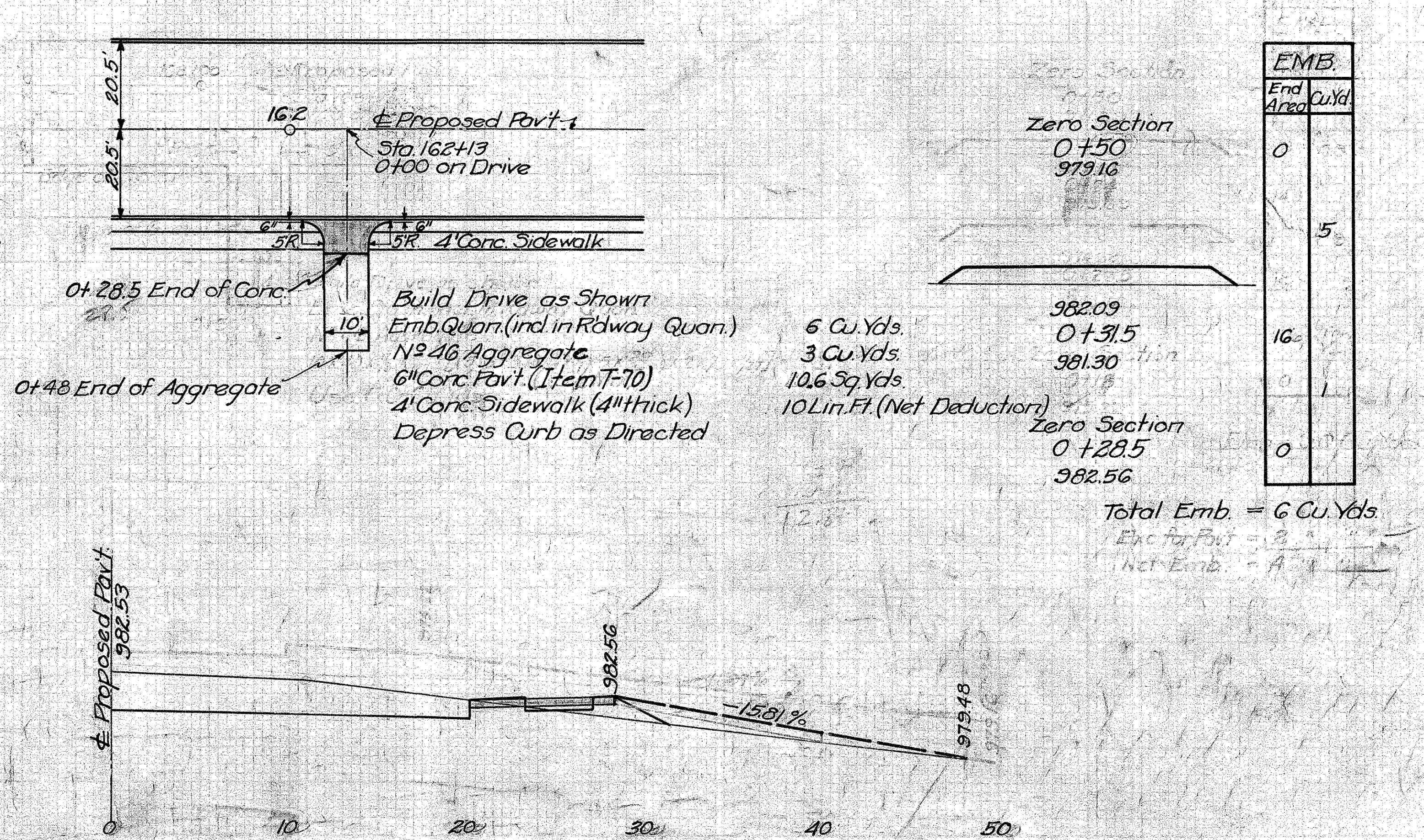
**PRIVATE DRIVE
STA. 161+03 Rt.**



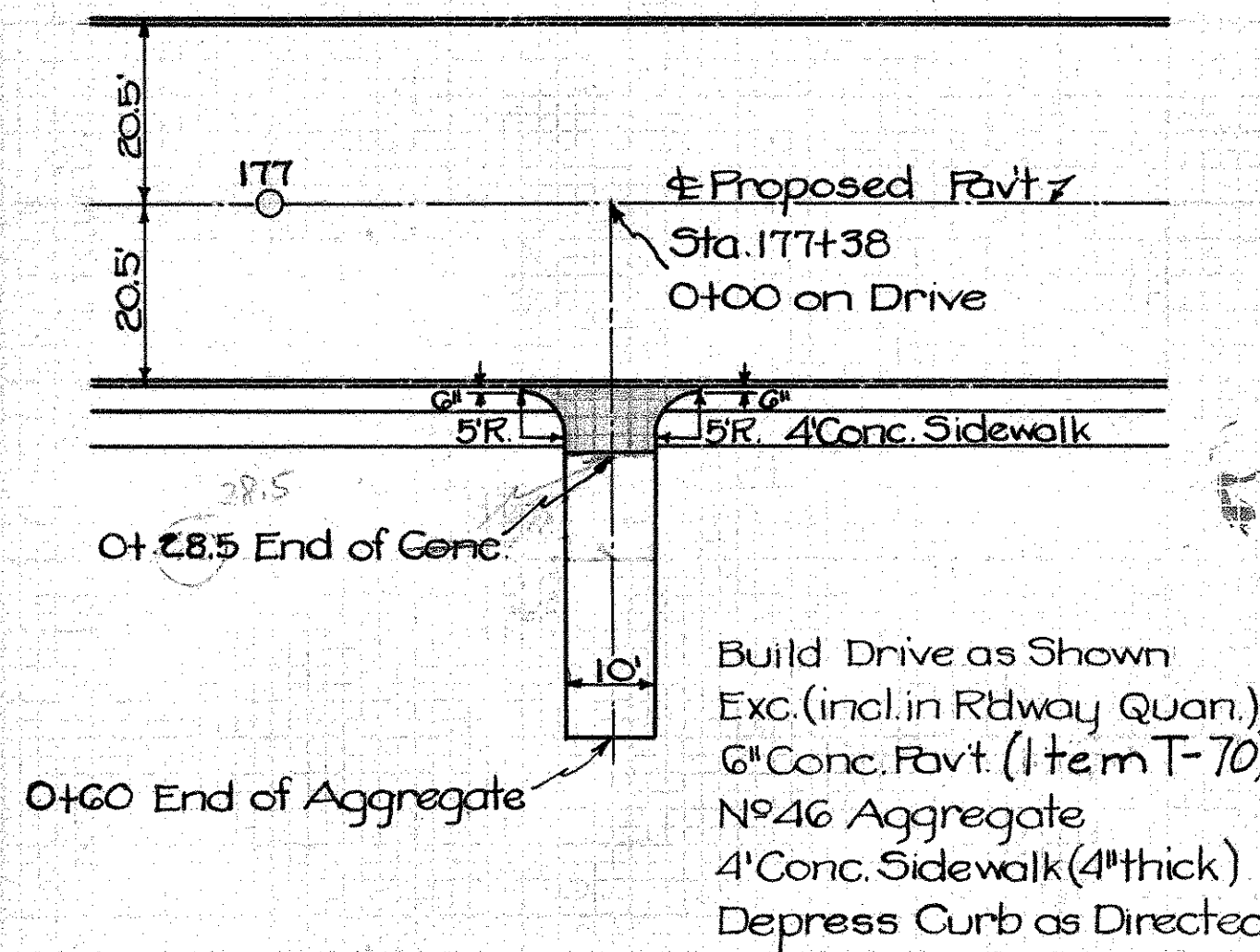
**PRIVATE DRIVE
STA. 153+95 RT. & STA. 154+08 RT.**



**PRIVATE DRIVE
STA. 162+13 Rt.**



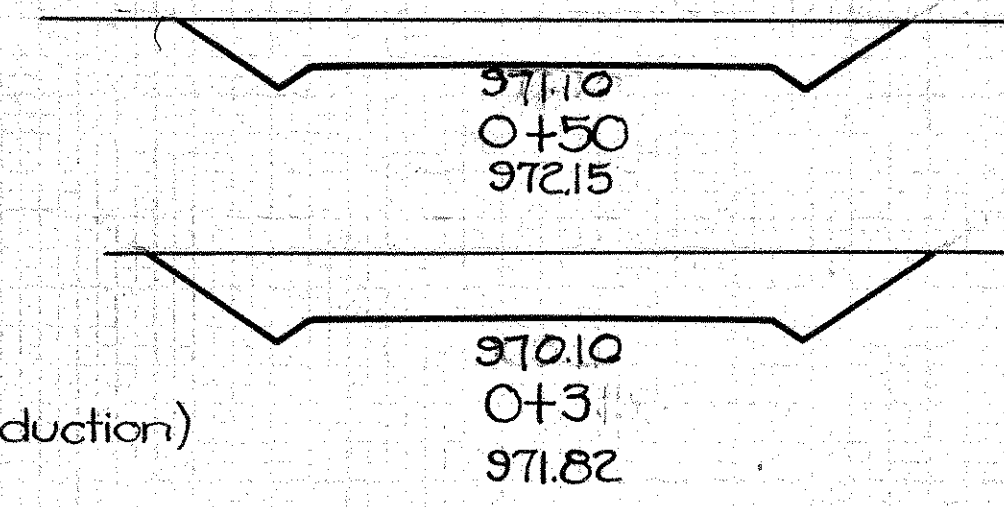
PRIVATE DRIVE
STA. 177+38 Rt.



Build Drive as Shown
Exc. (incl. in Rdway Quan.)
6" Conc. Pavt. (Item T-70)
N#46 Aggregate
4" Conc. Sidewalk (4" thick)
Depress Curb as Directed

25 Cu. Yds.
10.6 Sq. Yds.
4 Cu. Yds.
10 Lin. Ft. (Net Deduction)

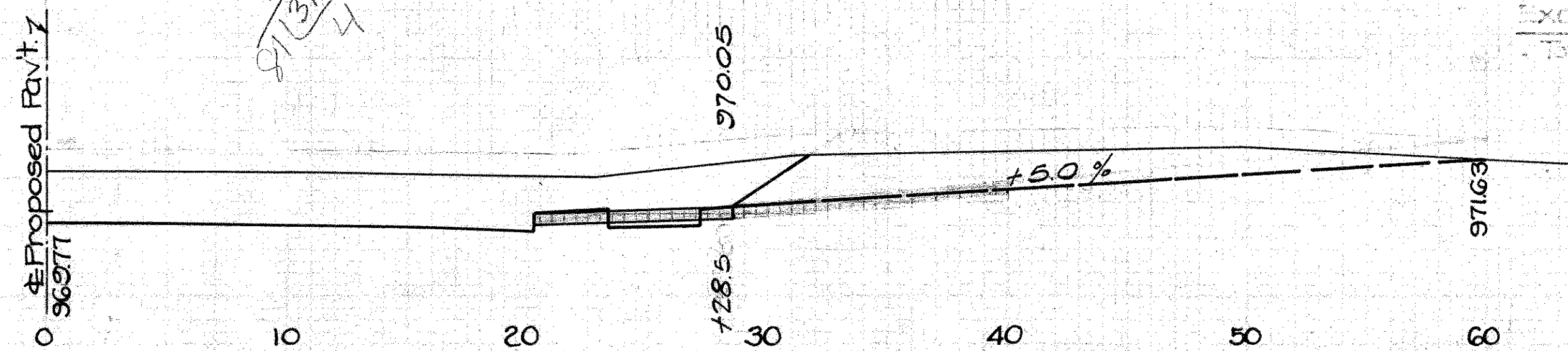
Zero Section
0+60
971.63



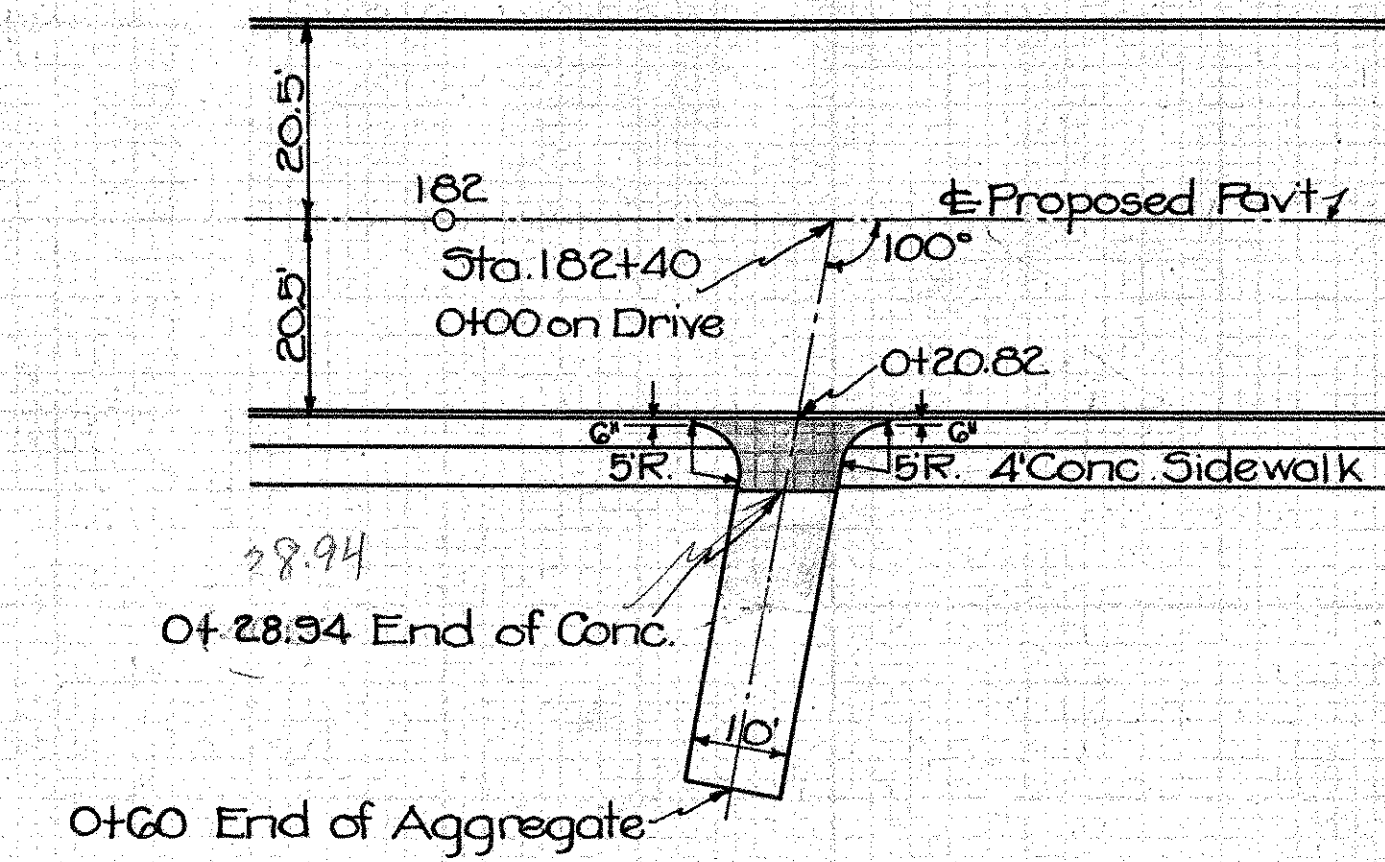
Zero Section
0+28.5
968.80

EXC.	
End Area	Cu. Yd.
0	0
23	4
31	19
0	2

Exc. = 25 Cu. Yds.
Exc. for Pavt. = 2
Total Exc. = 23



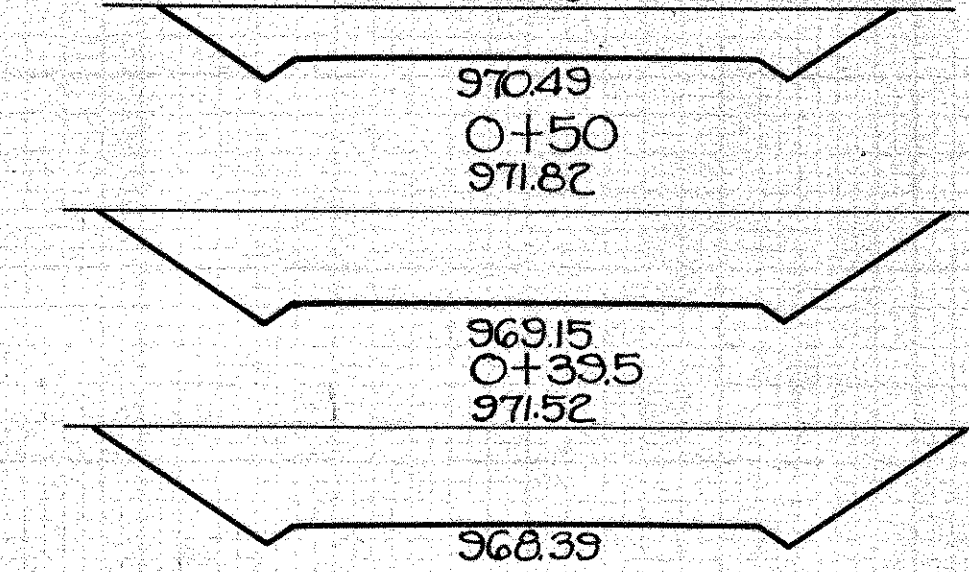
PRIVATE DRIVE
STA. 182+40 Rt.



Build Drive as Shown
Exc. (incl. in Rdway Quan.)
6" Conc. Pavt. (Item T-70)
N#46 Aggregate
4" Conc. Sidewalk (4" thick)
Depress Curb as Directed

34 Cu. Yds.
10.9 Sq. Yds.
4 Cu. Yds.
10 Lin. Ft. (Net Deduction)

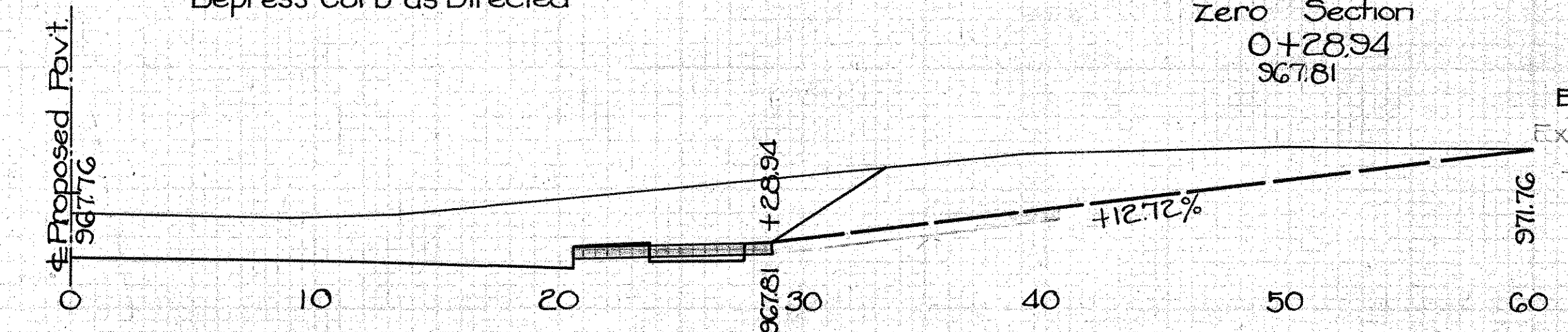
Zero Section
0+60
971.76



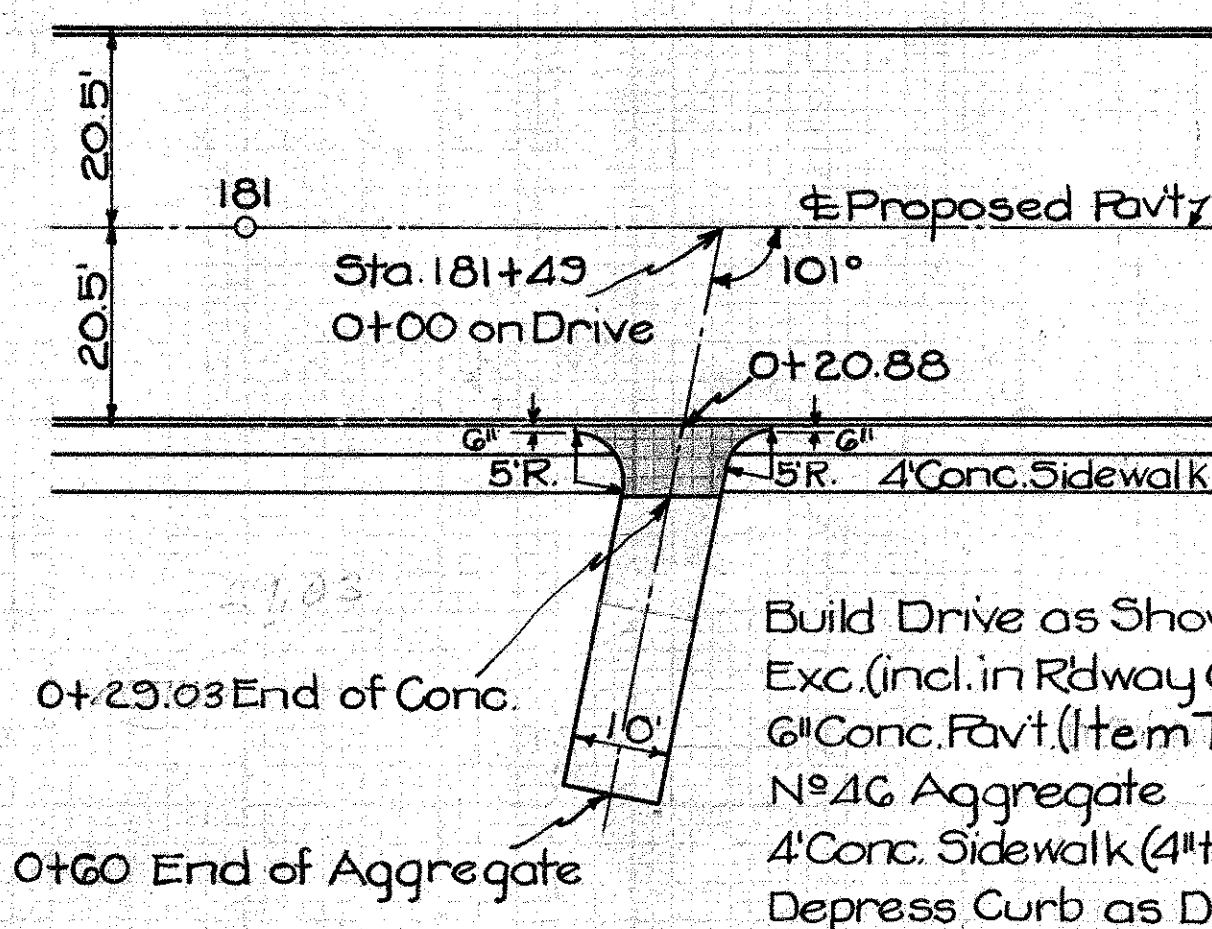
Zero Section
0+28.94
967.81

EXC.	
End Area	Cu. Yd.
0	0
25	5
45	14
50	11
0	4

Exc. = 34 Cu. Yds.
Exc. for Pavt. = 2 Cu. Yds.
Total Exc. = 36 Cu. Yds.



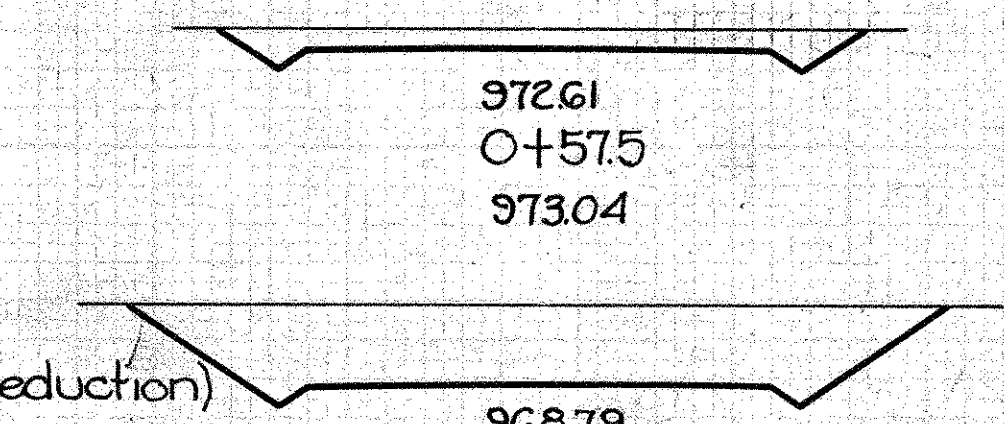
PRIVATE DRIVE
STA. 181+49 Rt.



Build Drive as Shown
Exc. (incl. in Rdway Quan.)
6" Conc. Pavt. (Item T-70)
N#46 Aggregate
4" Conc. Sidewalk (4" thick)
Depress Curb as Directed

26 Cu. Yds.
10.9 Sq. Yds.
4 Cu. Yds.
10 Lin. Ft. (Net Deduction)

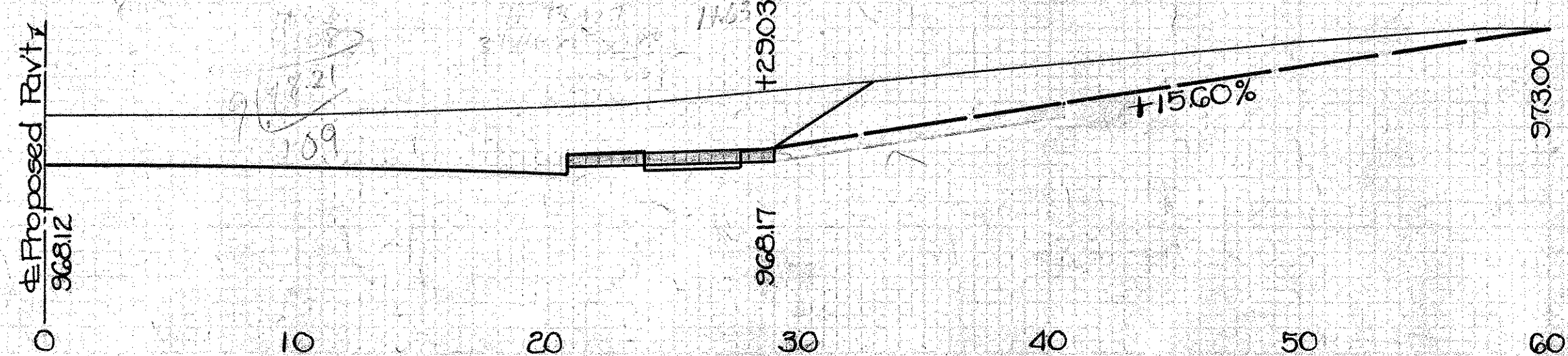
Zero Section
0+60
973.00



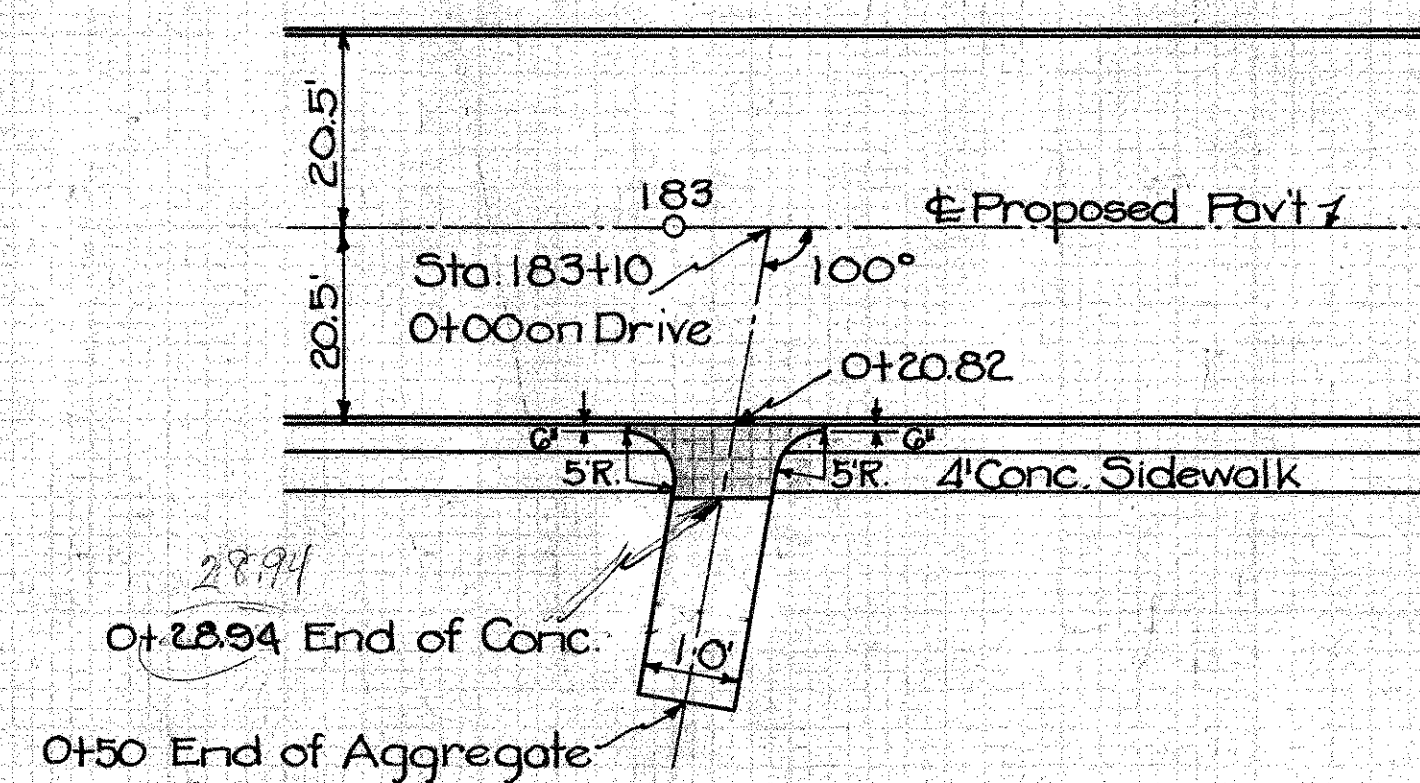
Zero Section
0+29.03
968.17

EXC.	
End Area	Cu. Yd.
0	0
10	0
23	10
40	23
0	3

Exc. = 26 Cu. Yds.
Exc. for Pavt. = 2
Total Exc. = 28



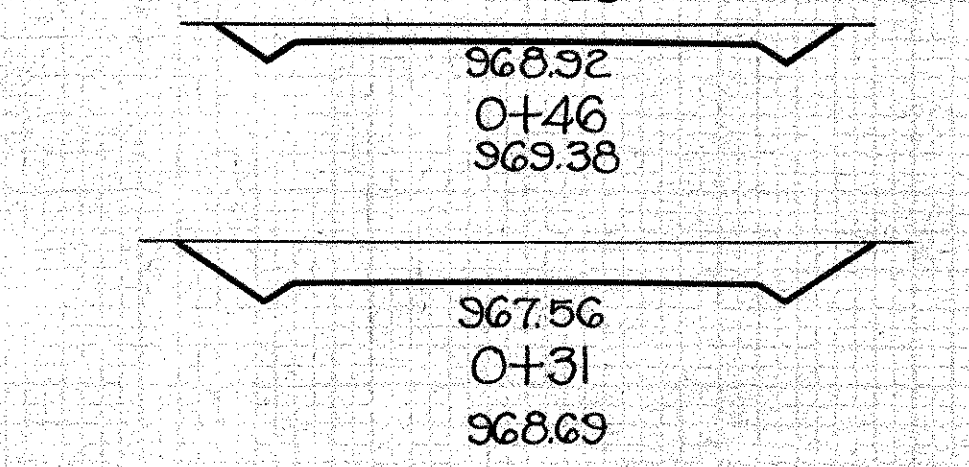
PRIVATE DRIVE
STA. 183+10 Rt.



Build Drive as Shown
Exc. (incl. in Rdway Quan.)
6" Conc. Pavt. (Item T-70)
N#46 Aggregate
4" Conc. Sidewalk (4" thick)
Depress Curb as Directed

10 Cu. Yds.
10.9 Sq. Yds.
4 Cu. Yds.
10 Lin. Ft. (Net Deduction)

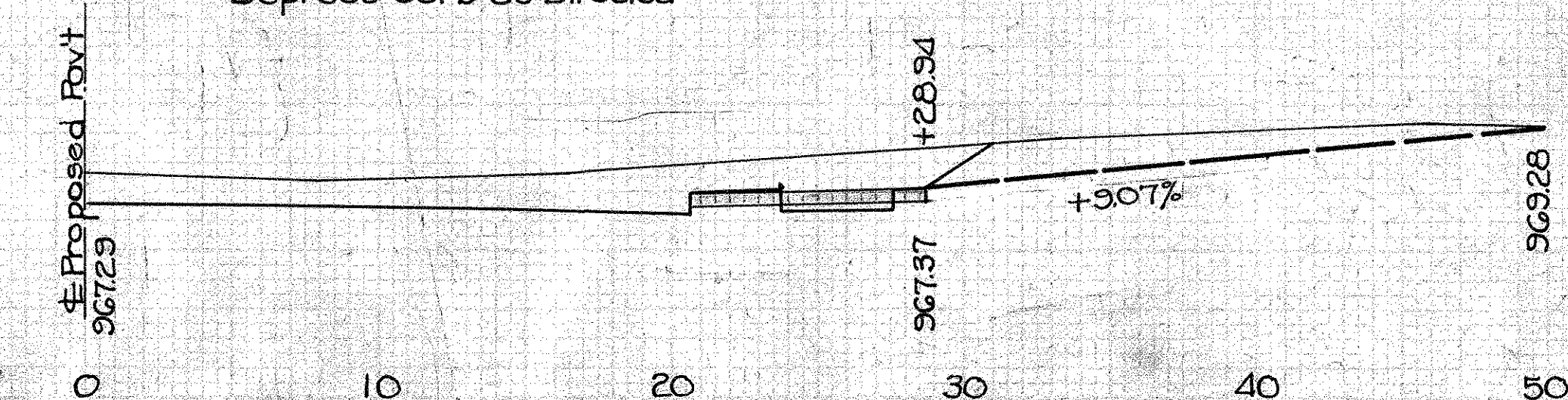
Zero Section
0+50
969.28



Zero Section
0+28.94
967.31

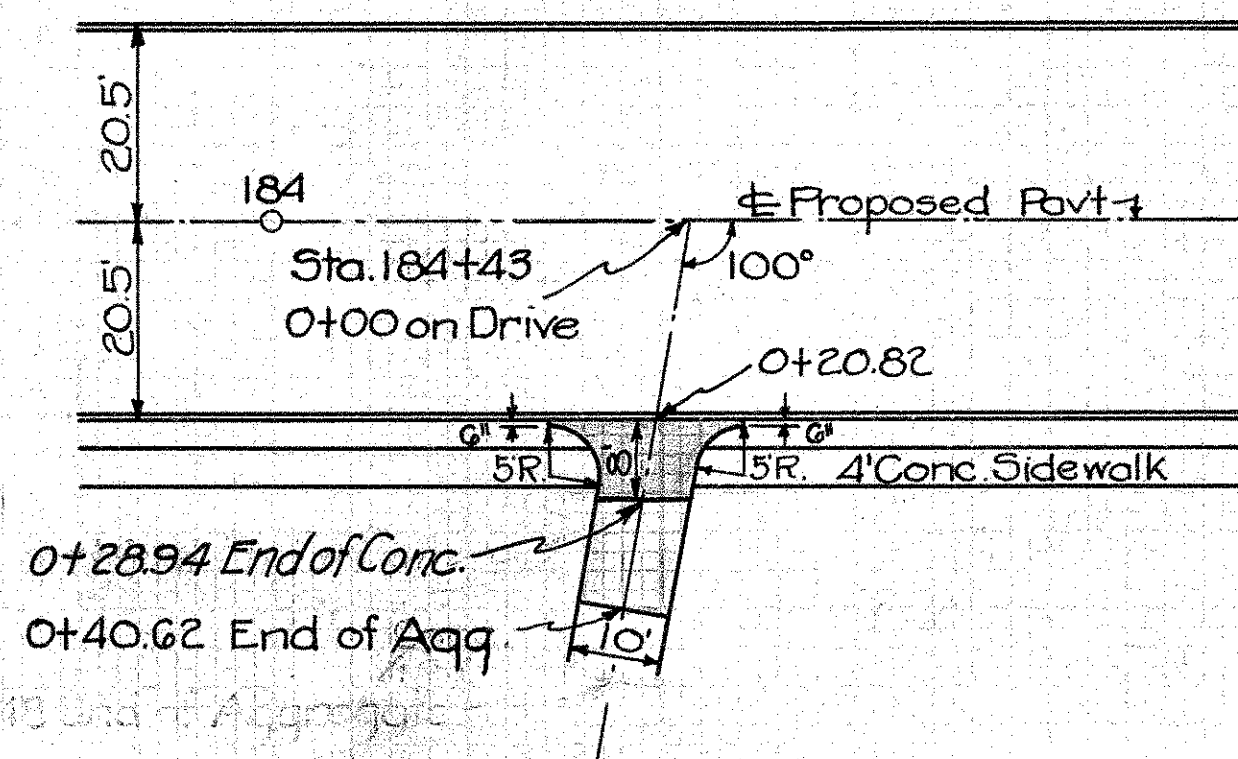
EXC.	
End Area	Cu. Yd.
0	0
9	1
20	8
0	1

Exc. = 10 Cu. Yds.
Exc. for Pavt. = 2
Total Exc. = 12



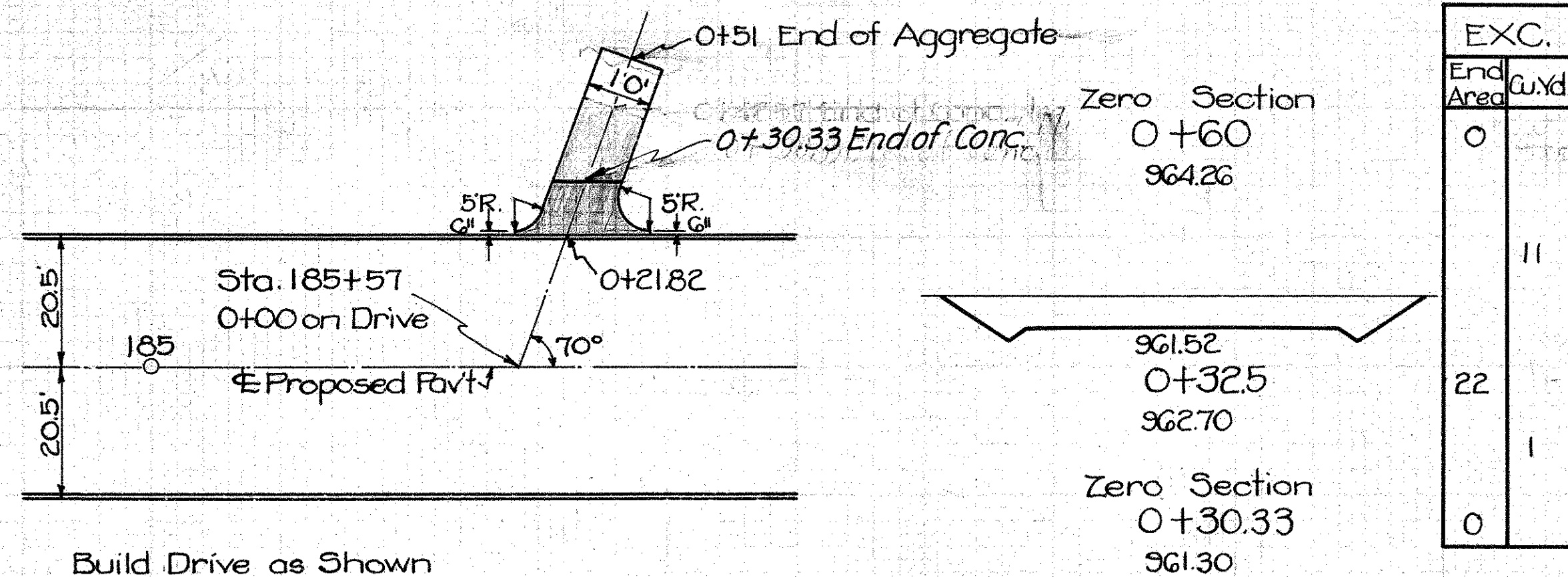
Handwritten calculations and notes at the bottom right of the STA. 183+10 Rt. section, including values like 29.77, 20.24, 50.0, 39.27, 11.73, and 81.20.

**PRIVATE DRIVE
STA. 184+43 Rt.**



Build Drive as Shown
Exc. (incl. in Rdway Quan.) 2 Cu. Yds.
6" Conc. Pavt. (1 item T-70) 10.9 Sq. Yds.
N#4G Aggregate 2 Cu. Yds.
4' Conc. Sidewalk (4" thick) 10 Lin. Ft. (Net Deduction)
Depress Curb as Directed

**PRIVATE DRIVE
STA. 185+57 Lt.**



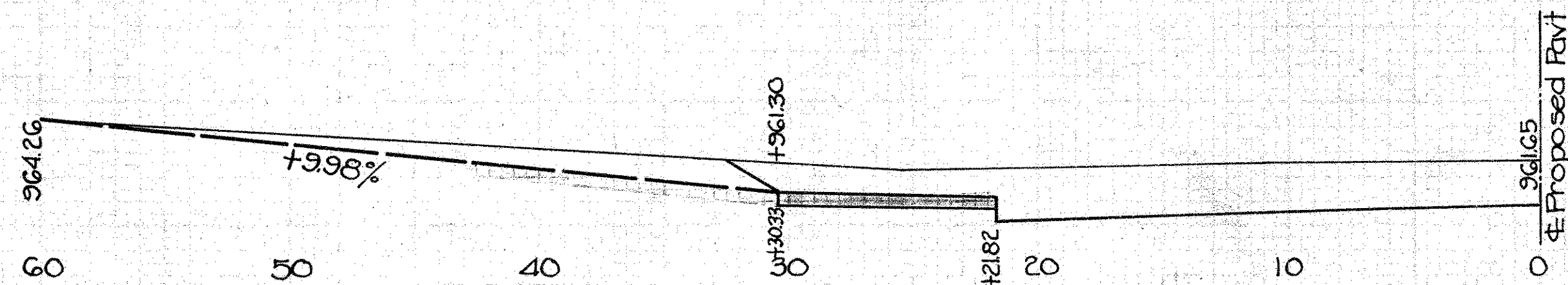
Build Drive as Shown
Exc. (incl. in Rdway Quan.) 12 Cu. Yds.
6" Conc. Pavt. (1 item T-70) 11.6 Sq. Yds.
N#4G Aggregate 3 Cu. Yds.
Depress Curb as Directed

Zero Section
0+60
964.26

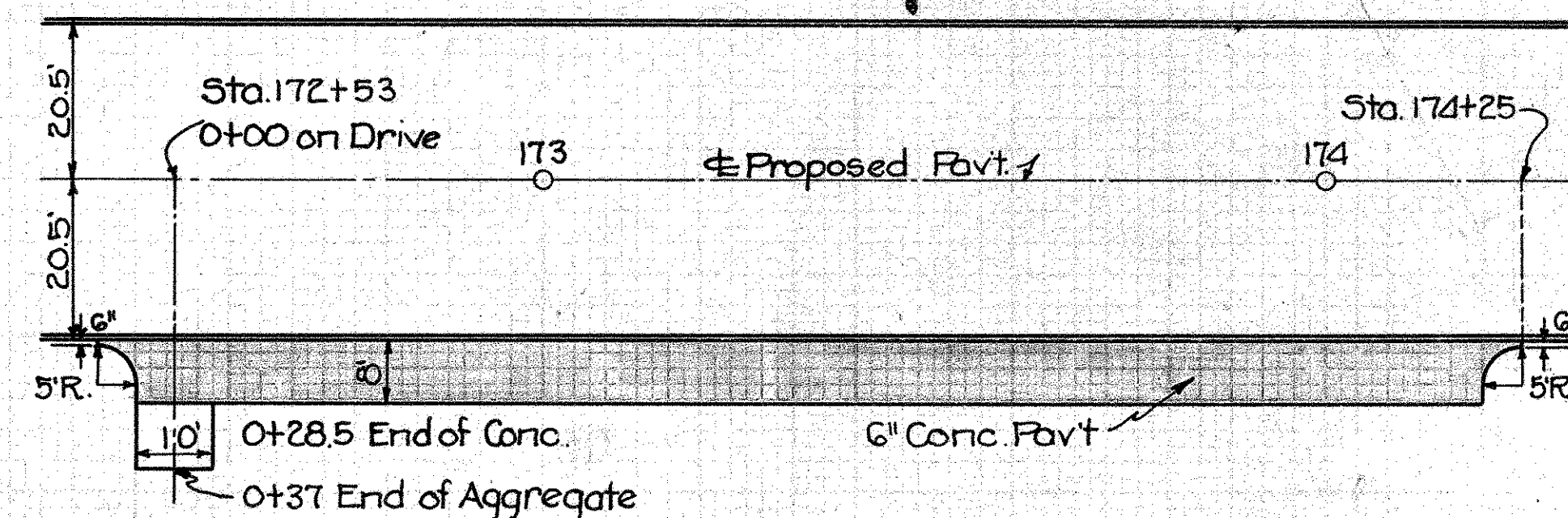
Zero Section
0+30.33
961.30

EXC.	
End Area	Cu. Yd.
0	11
22	1
0	

Exc. 12 Cu. Yds.
Exc. for Pavt. 2
Total Exc. 14

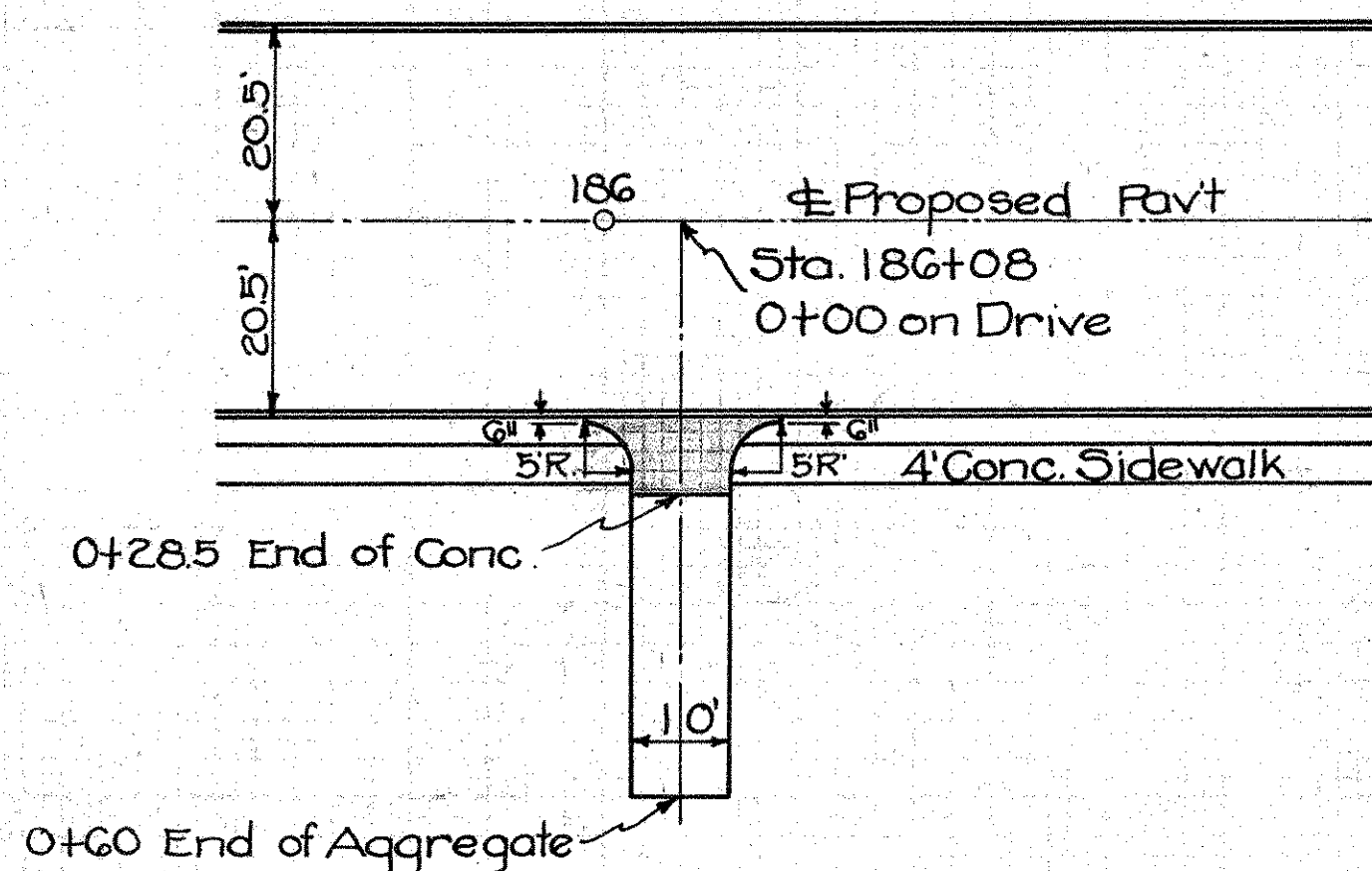


**PRIVATE DRIVE
STA. 172+53 Rt.**



Build Drive as Shown
6" Conc. Pavt. (1 item T-70) 154.6 Sq. Yds.
N#4G Aggregate 3 Cu. Yds.
4' Conc. Sidewalk (4" thick) 172 Lin. Ft. (Net Deduction)
Depress Curb as Directed

**PRIVATE DRIVE
STA. 186+08 Rt.**



Build Drive as Shown
Exc. (incl. in Rdway Quan.) 19 Cu. Yds.
6" Conc. Pavt. (1 item T-70) 10.6 Sq. Yds.
N#4G Aggregate 4 Cu. Yds.
4' Conc. Sidewalk (4" thick) 10 Lin. Ft. (Net Deduction)
Depress Curb as Directed

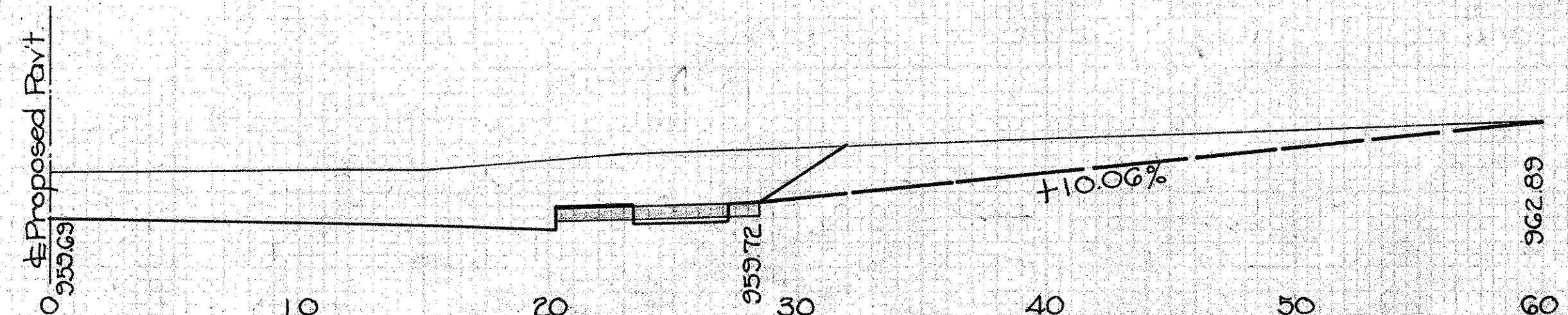
Zero Section
0+60
962.89

Zero Section
0+32
961.83

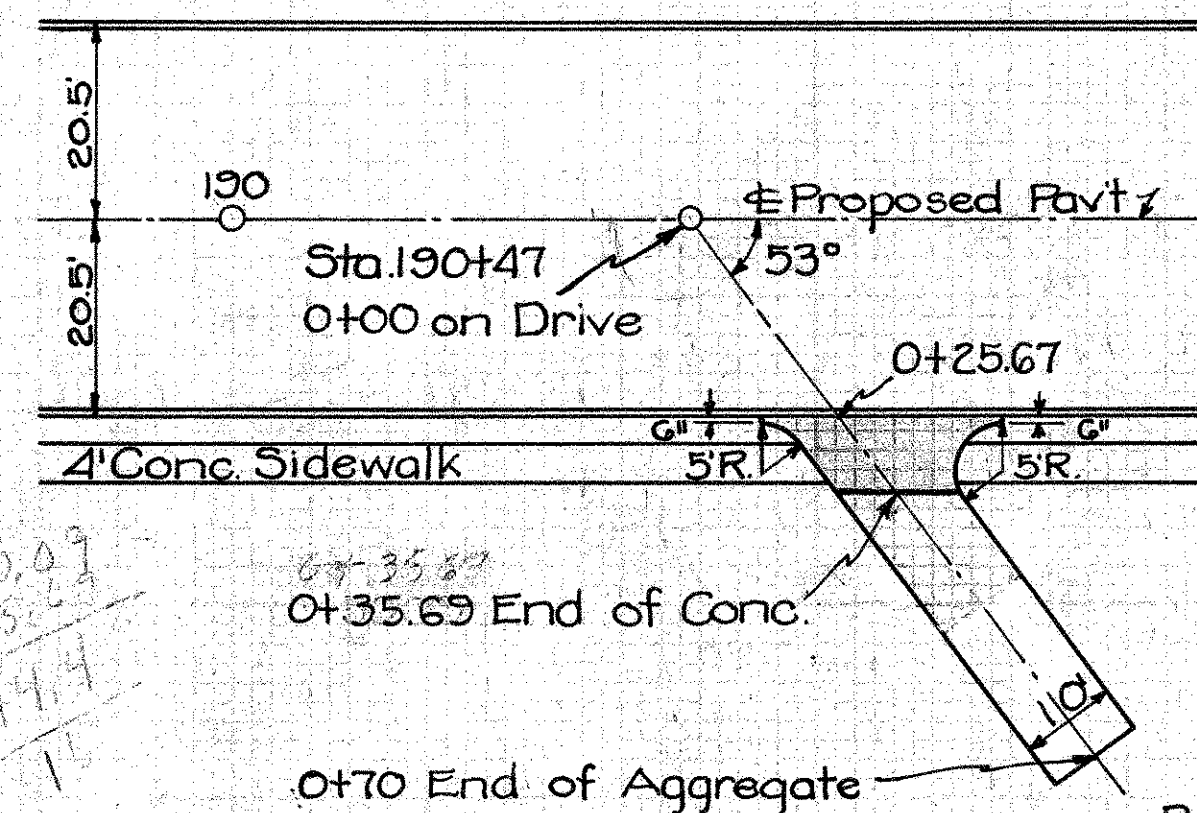
Zero Section
0+28.5
959.72

Total Exc. = 19 Cu. Yds.

EXC.	
End Area	Cu. Yd.
0	17
33	2
0	



**PRIVATE DRIVE
STA. 190+47 Rt.**



Build Drive as Shown
Exc. (incl. in Rdway Quan.) 24 Cu. Yds.
6" Conc. Pavt. (1 item T-70) 14.4 Sq. Yds.
N#4G Aggregate 4 Cu. Yds.
4' Conc. Sidewalk (4" thick) 15 Lin. Ft. (Net Deduction)
Depress Curb as Directed

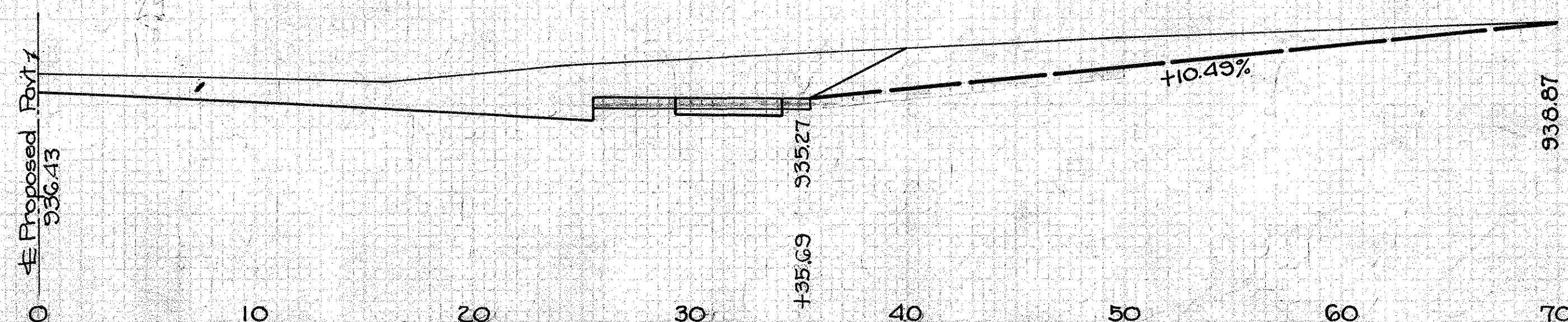
Zero Section
0+70
938.87

Zero Section
0+40
937.66

Zero Section
0+35.69
935.27

Exc. 24 Cu. Yds.
Exc. for Pavt. 3
Total Exc. 27

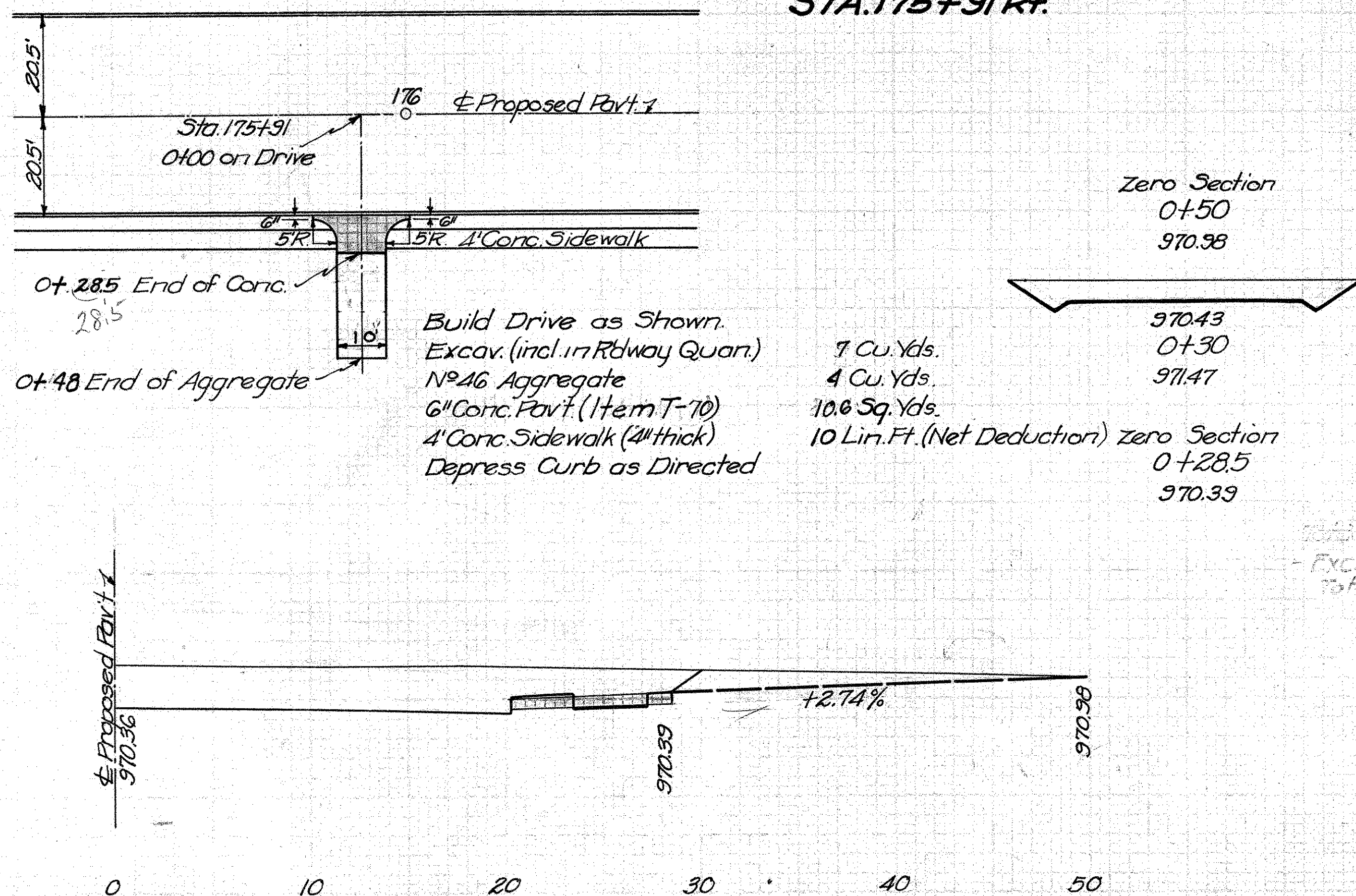
EXC.	
End Area	Cu. Yd.
0	21
37	3
0	



SH 65 SEC. B Part C
MONTGOMERY COUNTY

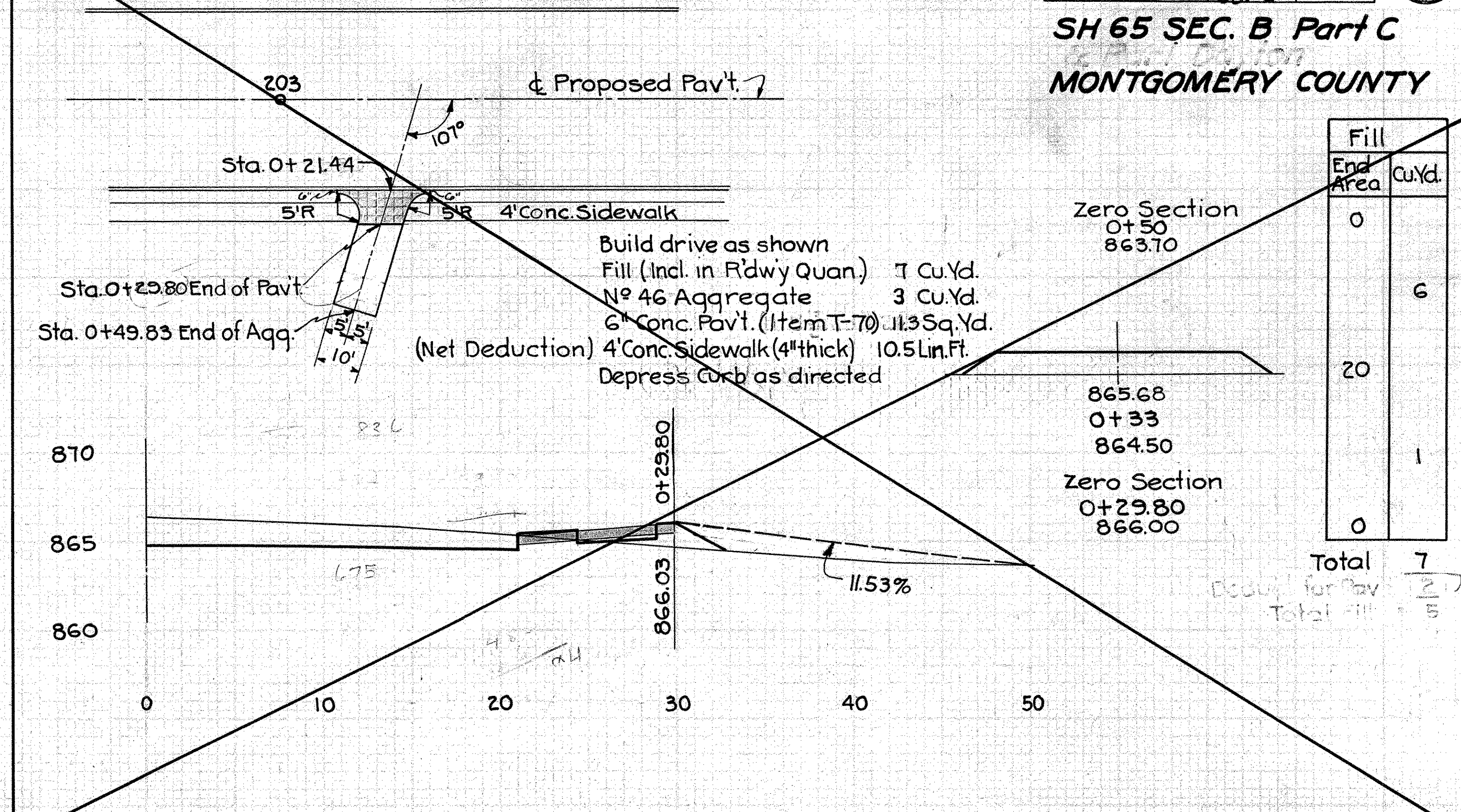
PRIVATE DRIVE
STA. 175+91 Rt.

PRIVATE DRIVE
STA. 203+31 Rt.



Exc.	
End Area	Cu. Yds.
0	7
18	0
0	0

Exc. = 7 Cu. Yds.



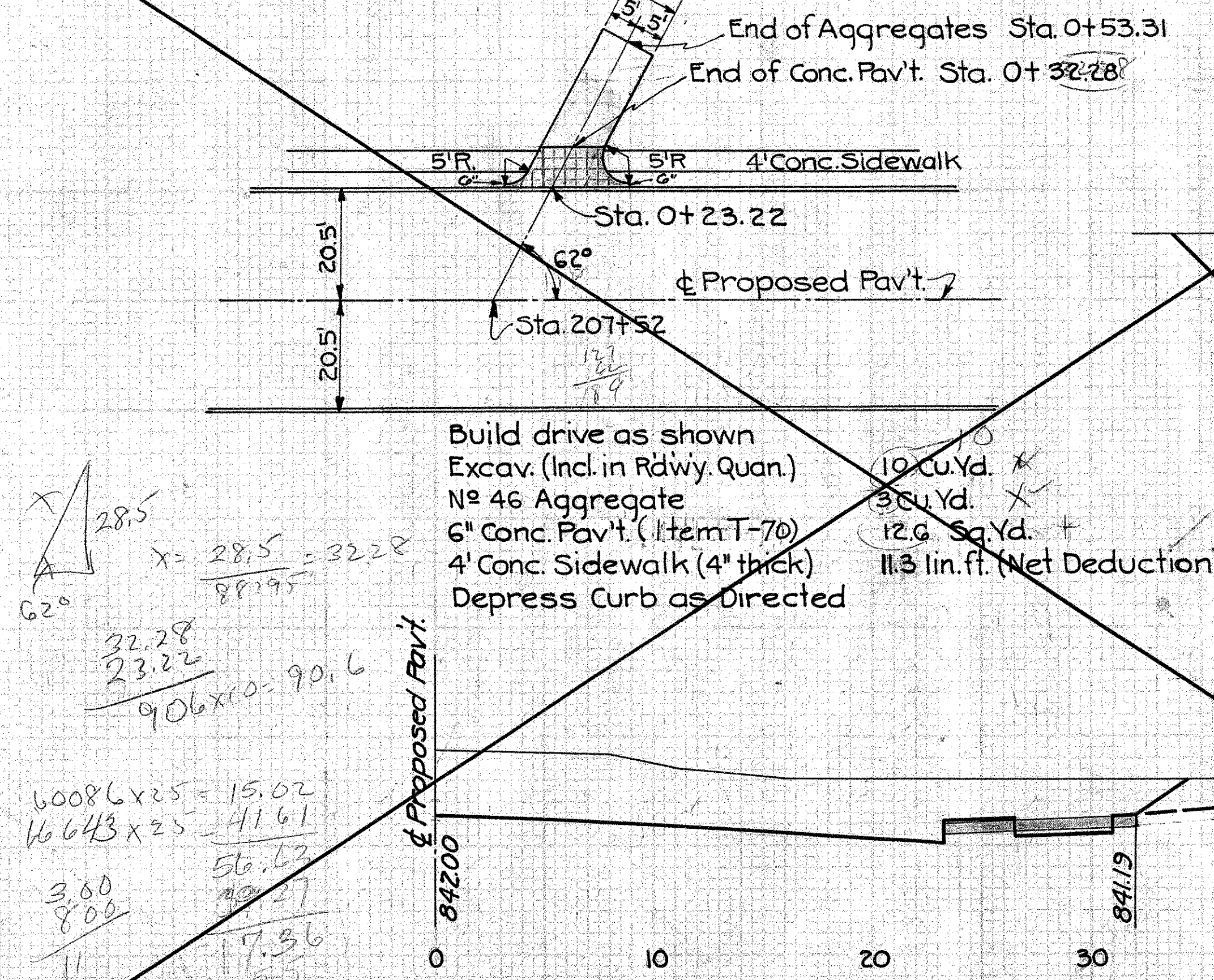
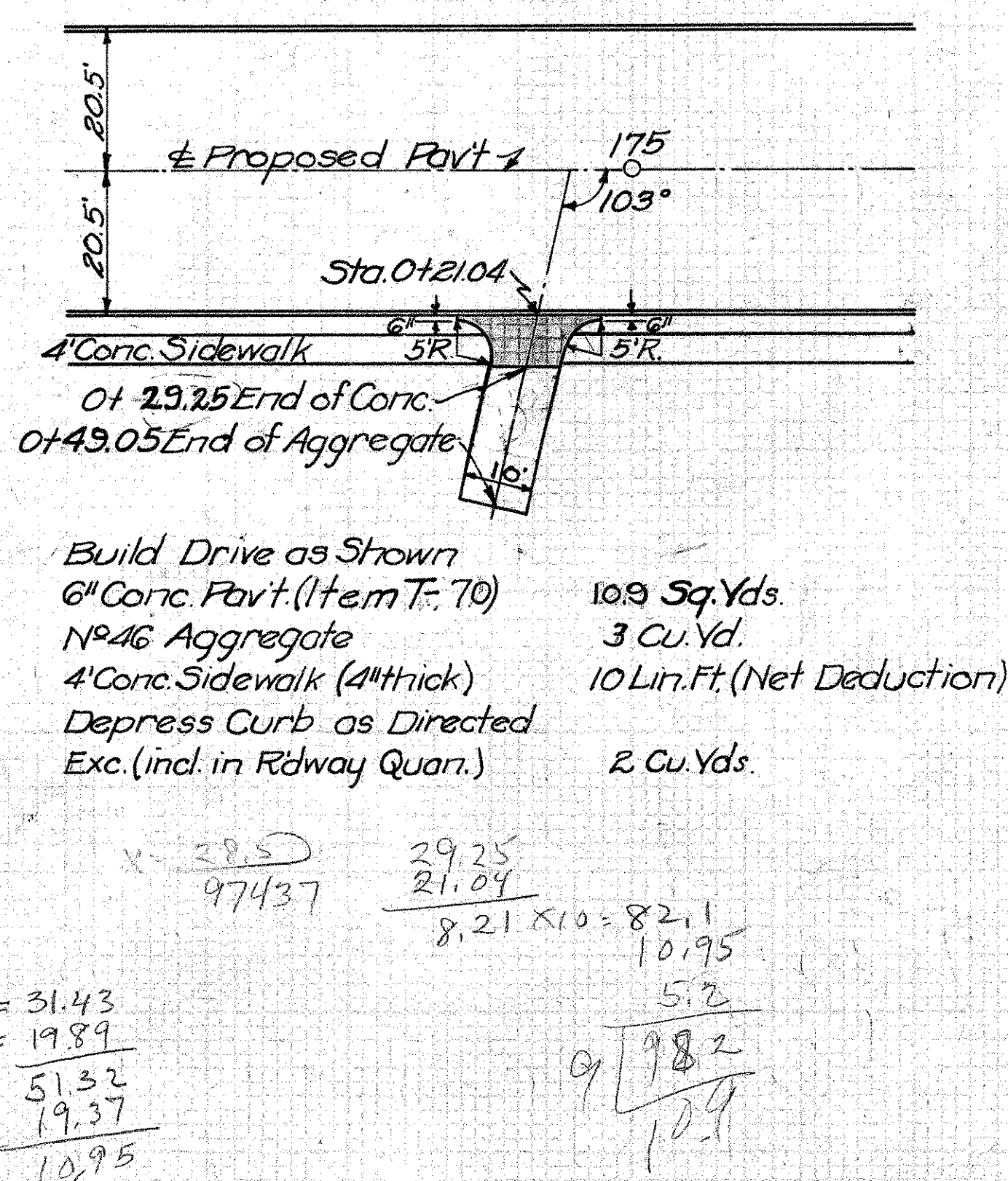
Fill	
End Area	Cu. Yd.
0	6
20	1
0	0

Total 7
Total Fill 7

PRIVATE DRIVE
STA. 174+91 Rt.

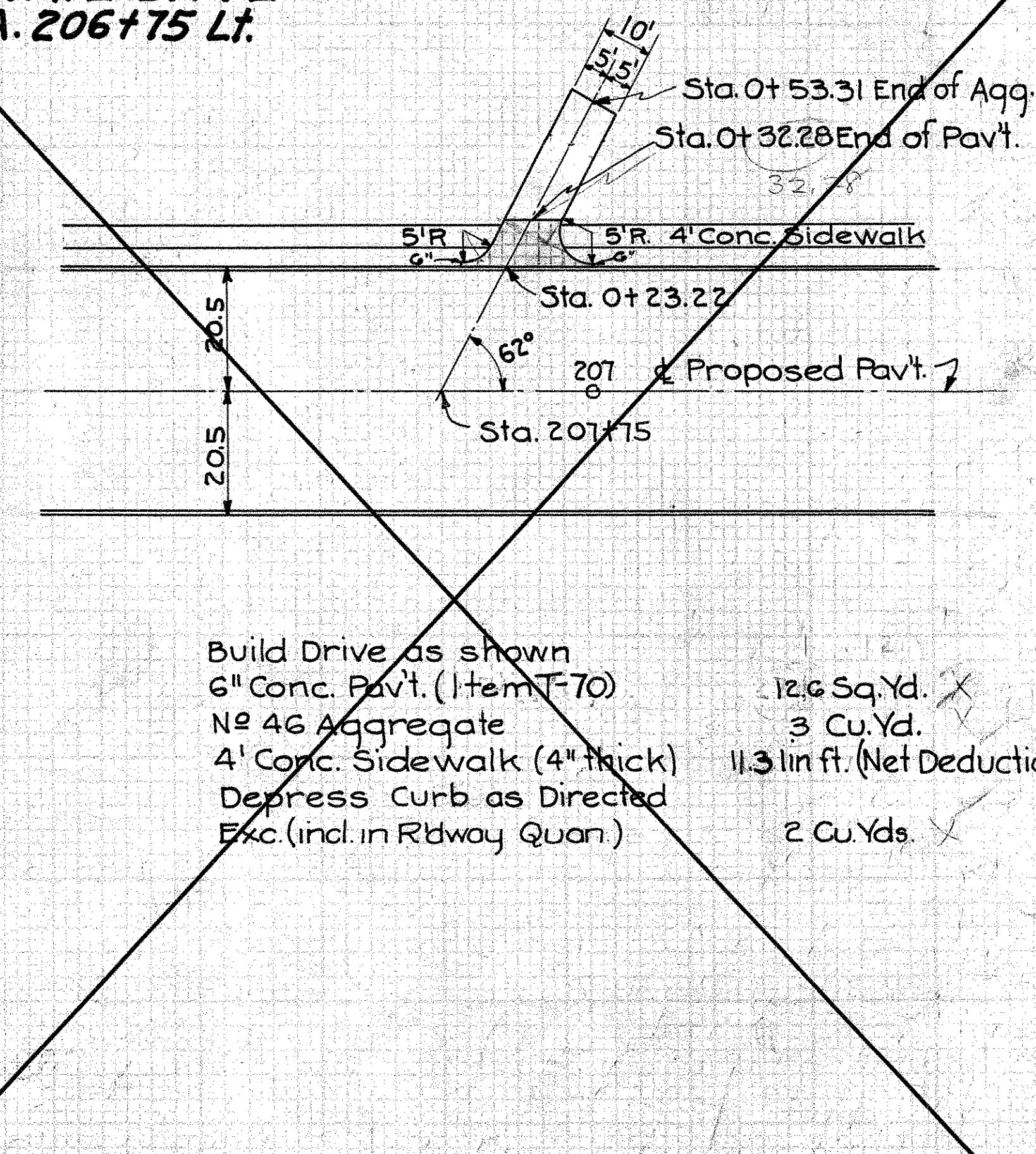
PRIVATE DRIVE
STA. 207+52 Rt.

PRIVATE DRIVE
STA. 206+75 Rt.



Exc.	
End Area	Cu. Yd.
0	9
26	1
0	0

Exc. 10 Cu. Yd.

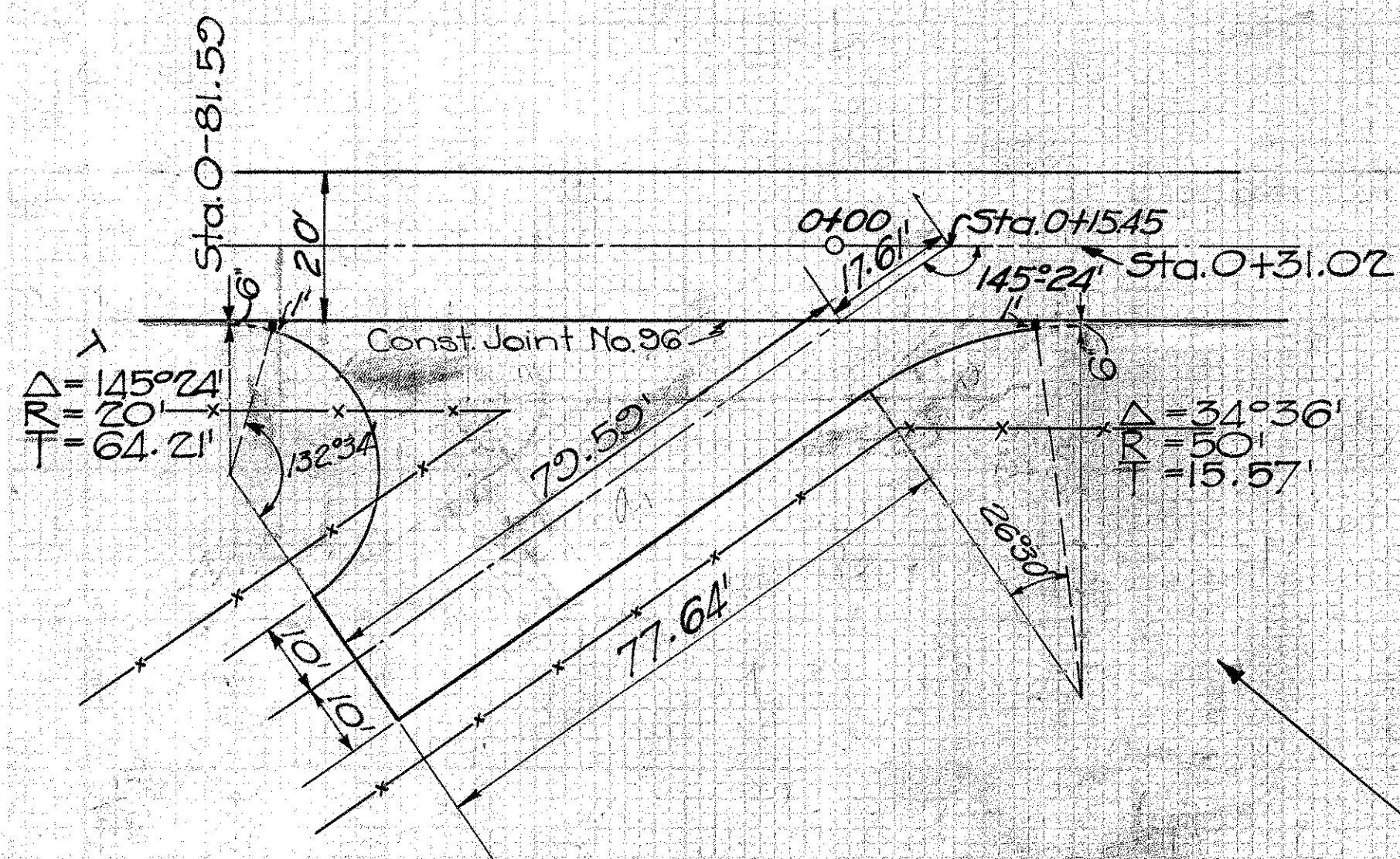


12.572 x 25 = 31.43
 19.544 x 25 = 48.86
 51.32
 19.37
 10.95

29.25
 21.04
 8.21 x 10 = 82.1
 10.95
 5.2
 97.82
 10.9

28.5
 32.28
 23.22
 906 x 10 = 906
 6008 x 25 = 15020
 16643 x 25 = 41607
 300
 800
 11

**SIDE ROAD APPROACH
STA. 0+1545 RT.
MIAMISBURG ROAD**



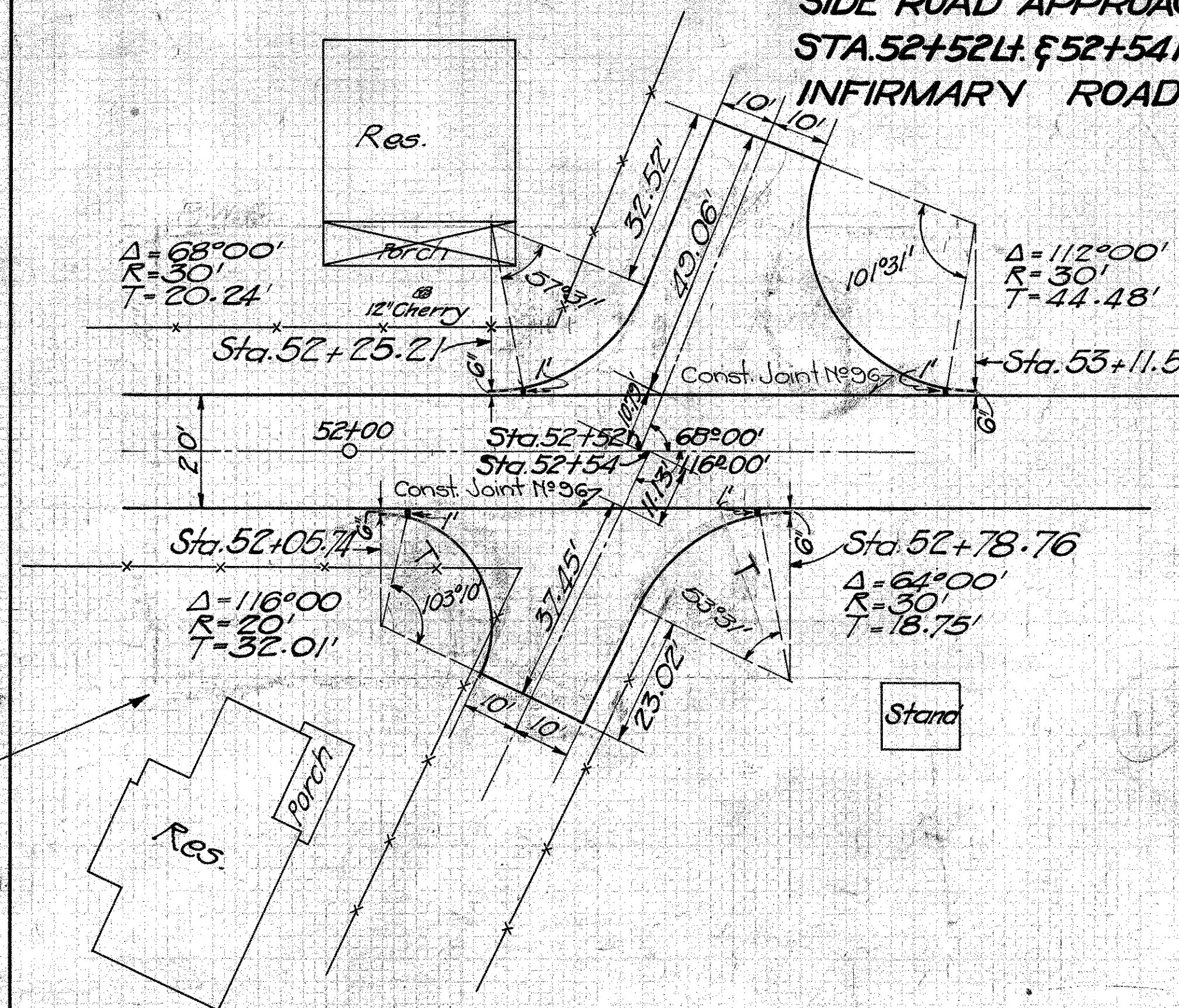
EXTRA QUANTITIES

269.3 Sq. Yds. Extra Pav't. Item T-70
4 Cu. Yds. No. 46 Aggregate

Note: Const. Joint No. 96 Where specified by the Engineer.
Payment to be included in price bid per Sq. Yd. for pay't.

DRAWN: E.H.G.
CHECKED: H.W.A.

**SIDE ROAD APPROACH
STA. 52+52 Lt. & 52+54 Rt.
INFIRMARY ROAD**

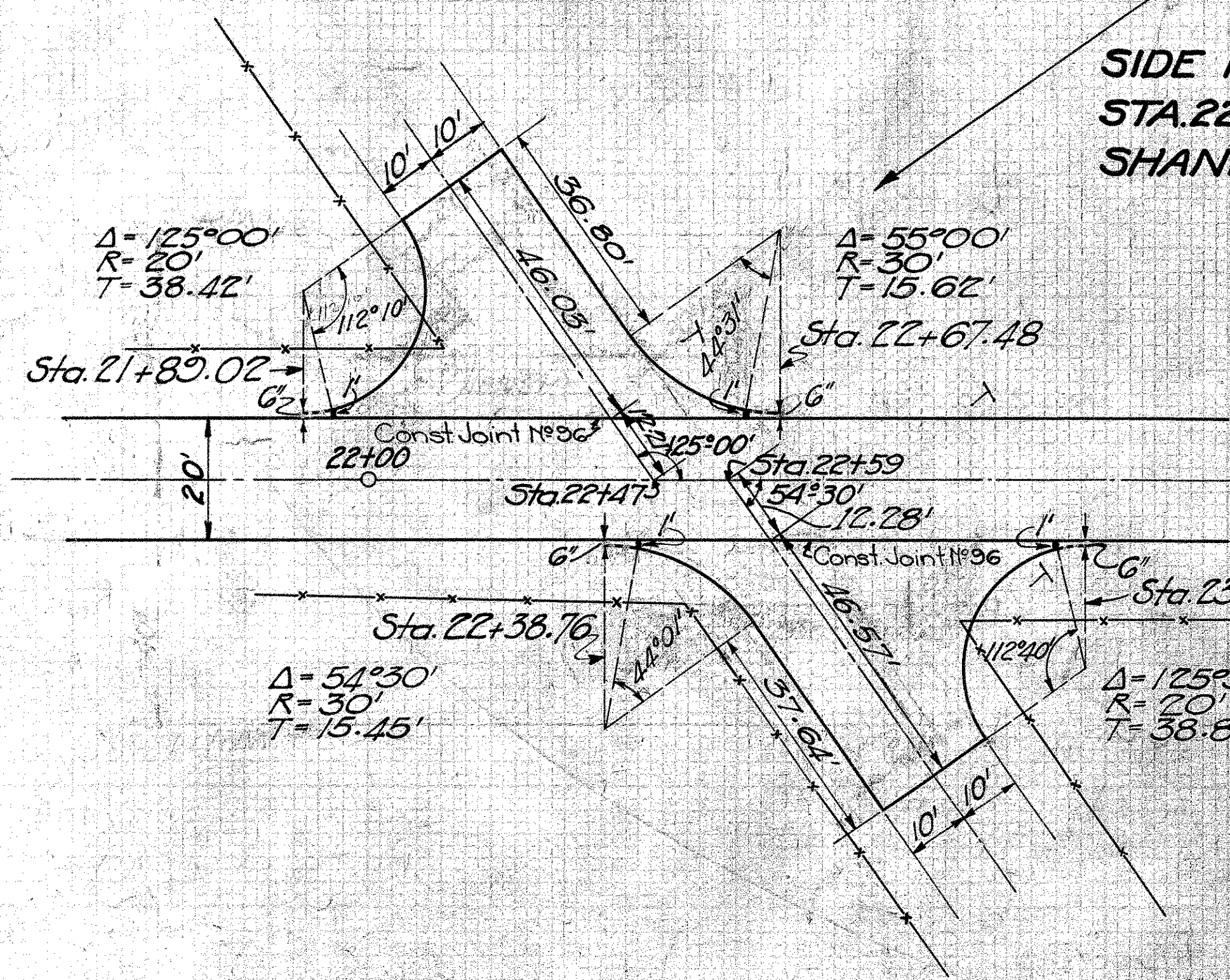


EXTRA QUANTITIES

Sta. 52+52 Lt.
170.5 Sq. Yds. Extra Pav't. Item T-70
4 Cu. Yds. No. 46 Aggregate
Sta. 52+54 Rt.
118.1 Sq. Yds. Extra Pav't. Item T-70
4 Cu. Yds. No. 46 Aggregate

DRAWN: E.H.G.
CHECKED: H.W.A.

**SIDE ROAD APPROACH
STA. 22+47 Lt. & 22+59 Rt.
SHANK ROAD**

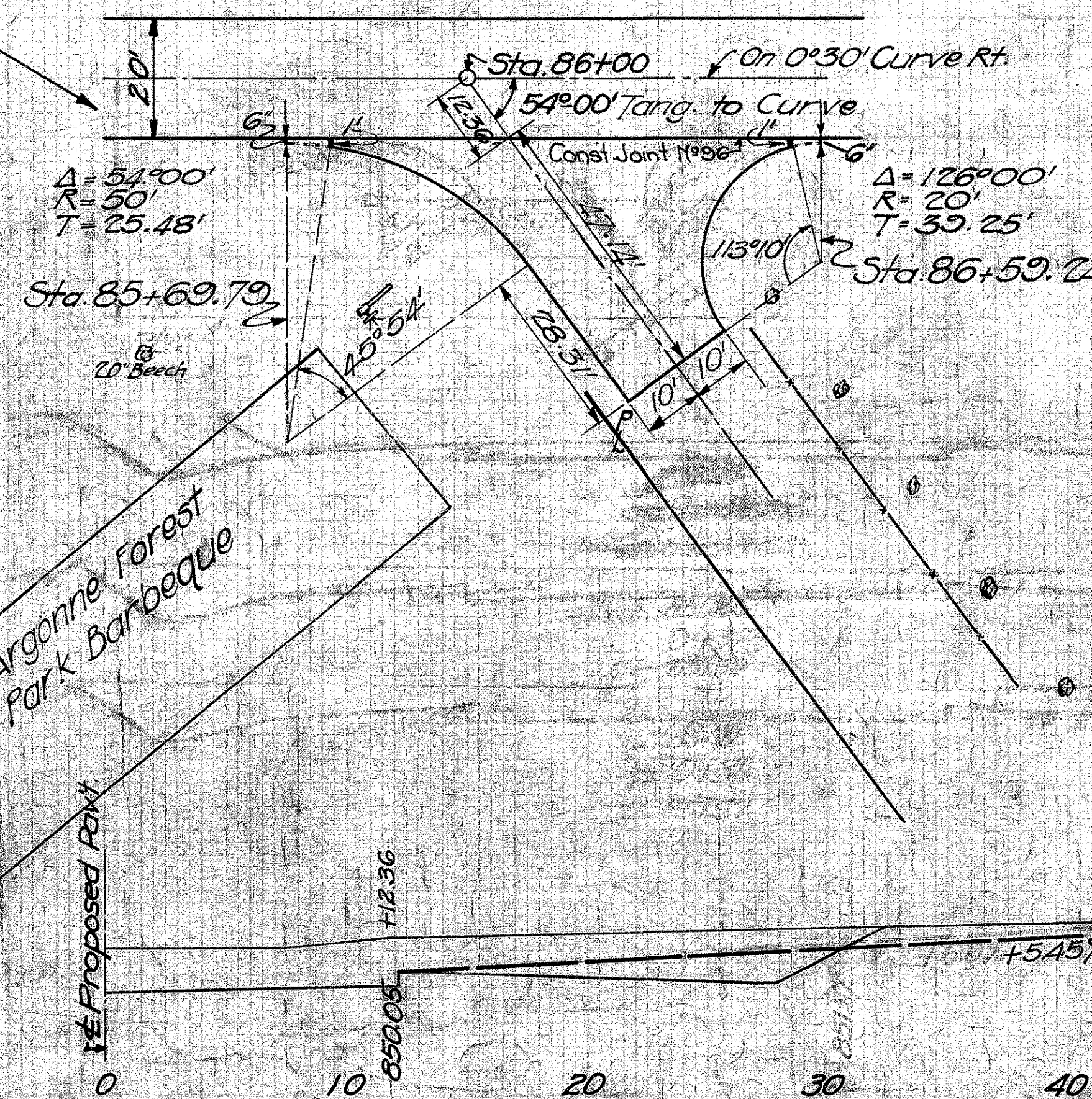


EXTRA QUANTITIES

Sta. 22+47 Lt.
145.6 Sq. Yds. Extra Pav't. Item T-70
4 Cu. Yds. No. 46 Aggregate
Sta. 22+59 Rt.
147.4 Sq. Yds. Extra Pav't. Item T-70
4 Cu. Yds. No. 46 Aggregate

DRAWN: E.H.G.
CHECKED: H.W.A.

**SIDE ROAD APPROACH
STA. 86+00 RT.
FRYTOWN ROAD**

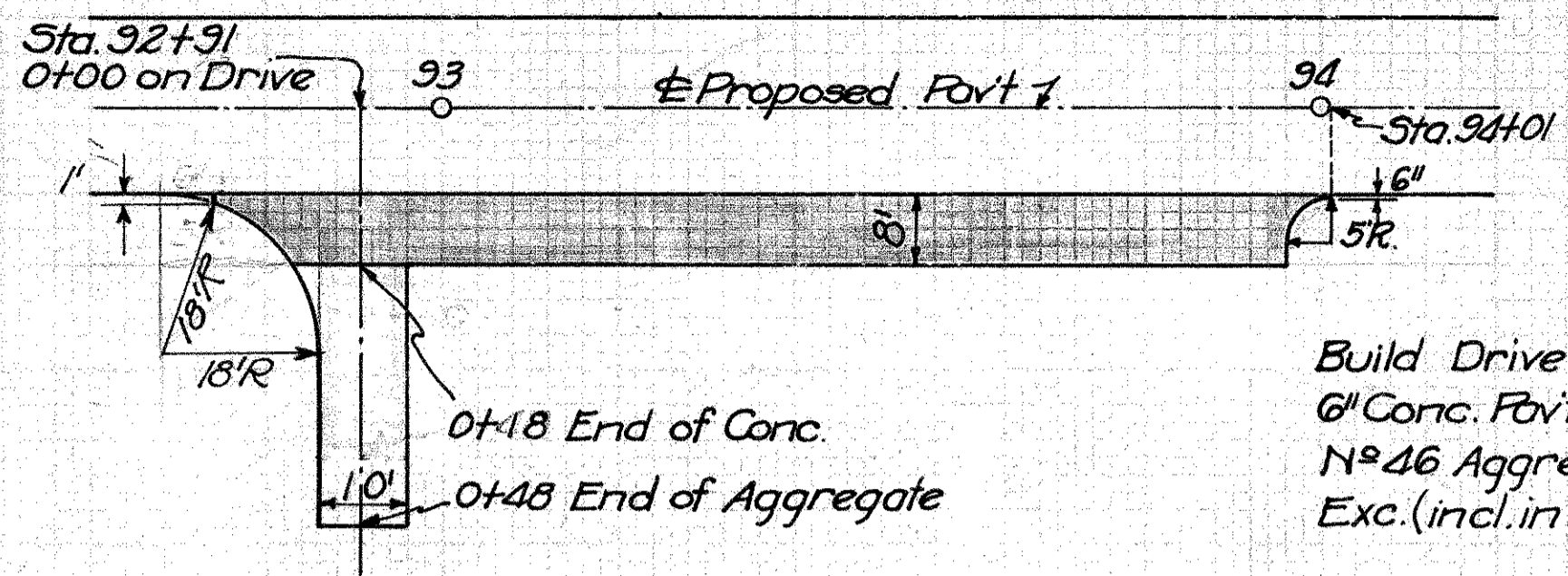


EXTRA QUANTITIES

Exc. (incl. in Rdway Quan.) 35 Cu. Yds.
156.6 Sq. Yds. Extra Pav't. Item T-70
4 Cu. Yds. No. 46 Aggregate

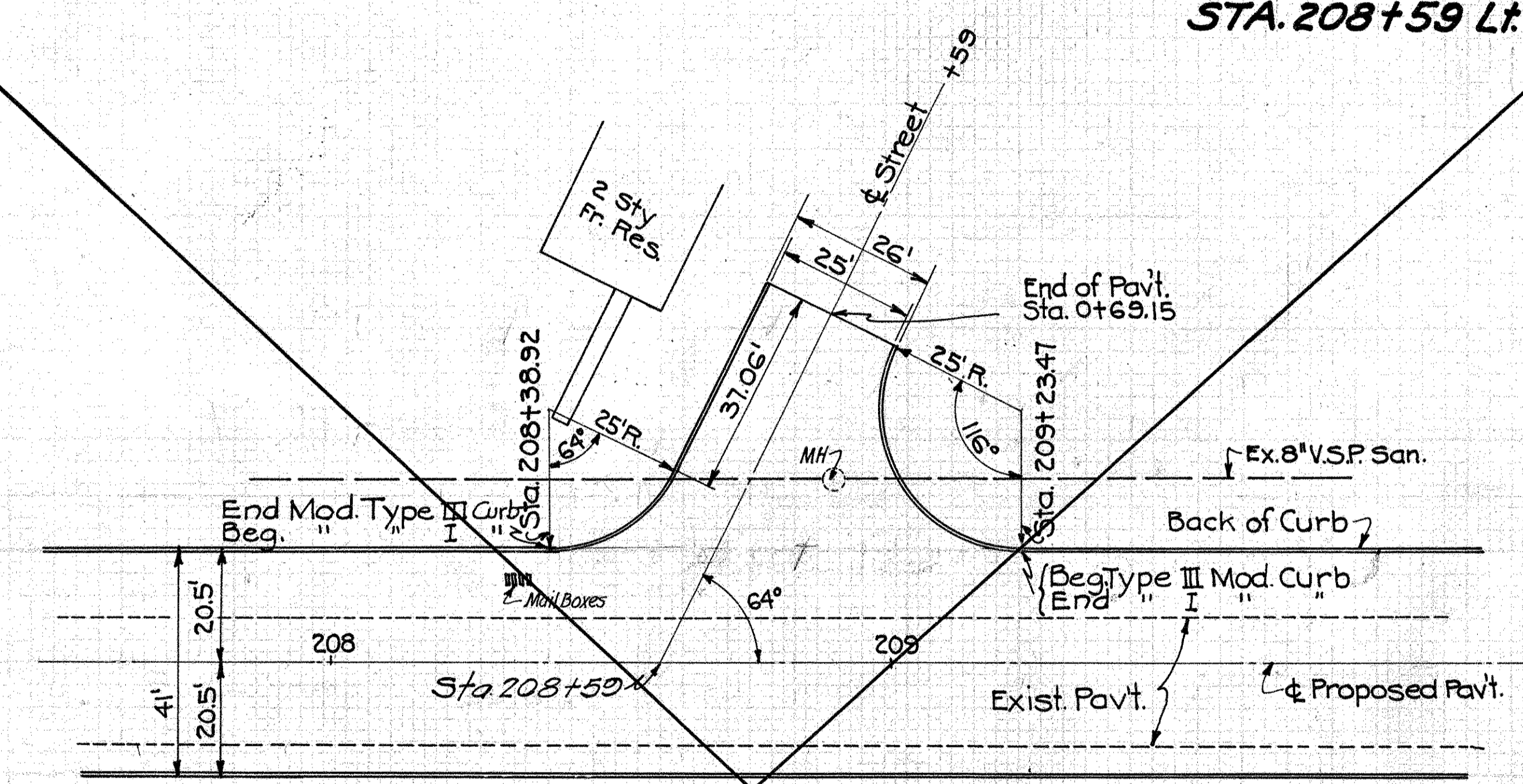
DRAWN: E.H.G.
CHECKED: H.W.A.

**PRIVATE DRIVE
STA. 93+41 Rt.**



Build Drive as Shown
6" Conc. Pav't Item T-70 105.1 Sq. Yds.
No. 46 Aggregate 7 Cu. Yds.
Exc. (incl. in R/Way Quan.) 18 Cu. Yds.

**ROAD APPROACH
STA. 208+59 Lt.**

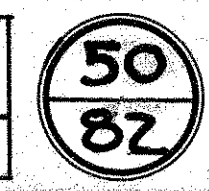


EST. QUANTITIES

Extra Pav't. Item T-70	179.3 Sq. Yd. (Net Addition)
Type I Mod. Curb (1:5 1/2 Mix)	115.60 Lin. Ft. (Net Addition)
No. 46 Aggregate	2 Cu. Yd.
Mod. Type III Curb	84.55 Lin. Ft. (Deduction)

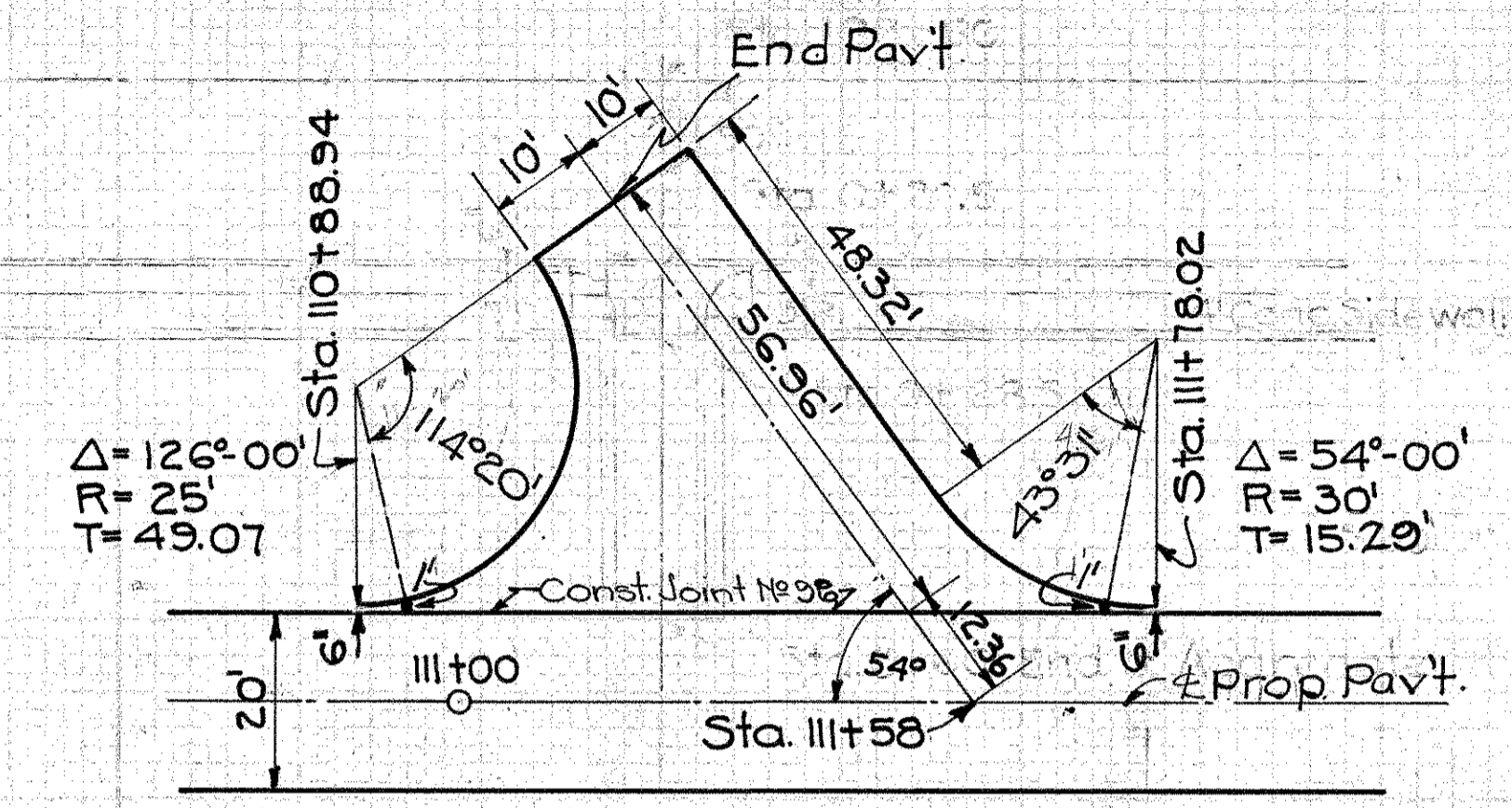
Note: Const. Joint No. 96 where specified by the Engineer
Payment to be included in price bid per Sq. Yd. for Pav't.

FED. AID DIST. NO.	STATE	FED. AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-2	1933



**SH 65, SEC. B PART C
MONTGOMERY COUNTY**

**SIDE ROAD APPROACH
STA. 111+58 Lt.
SHELL ROAD**

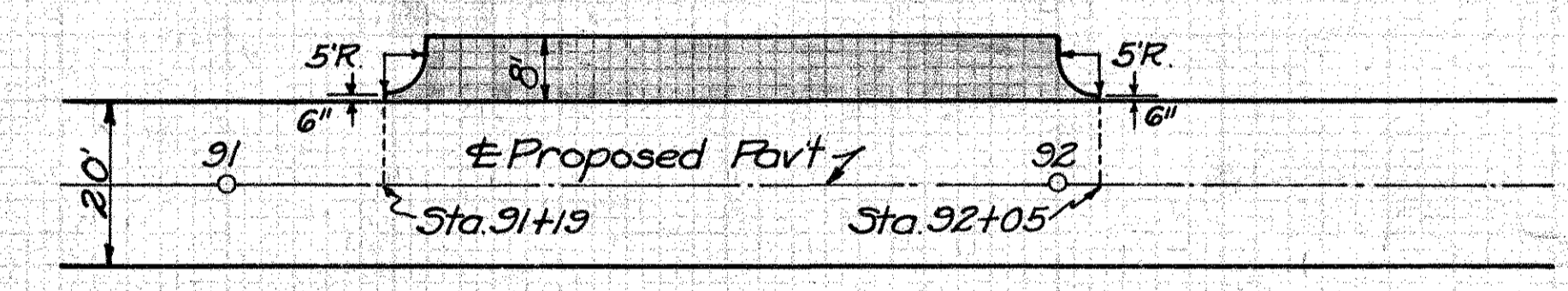


EXTRA QUANTITIES

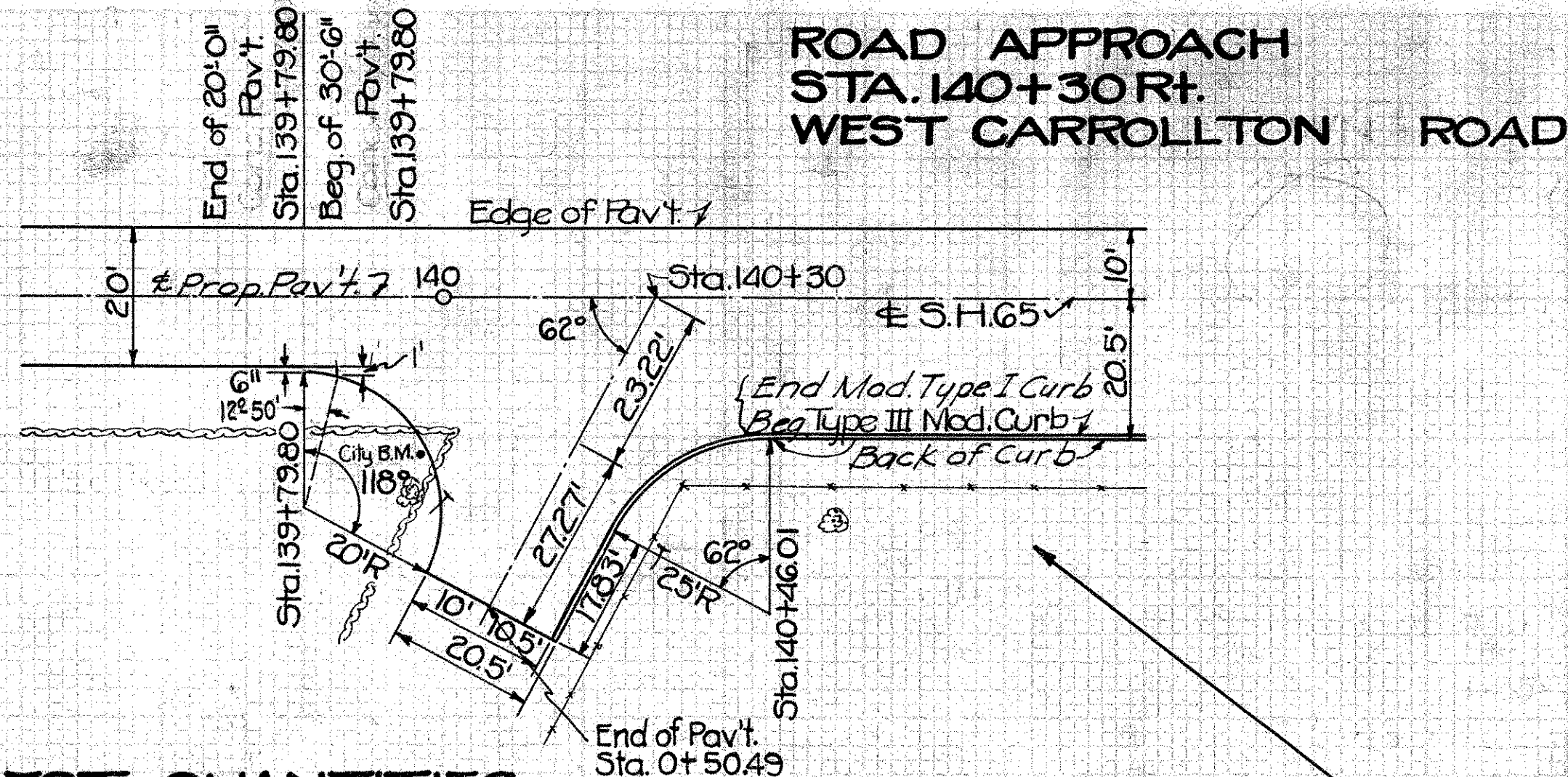
193.1 Sq. Yd. Pav't. (Item T-70)	14
4 Cu. Yd. No. 46 Aggregate	14

Note: Const. Joint No. 96 where specified by the Engineer
Payment to be included in price bid per Sq. Yd. for Pav't.

**PRIVATE DRIVE
STA. 91+62 Lt.**



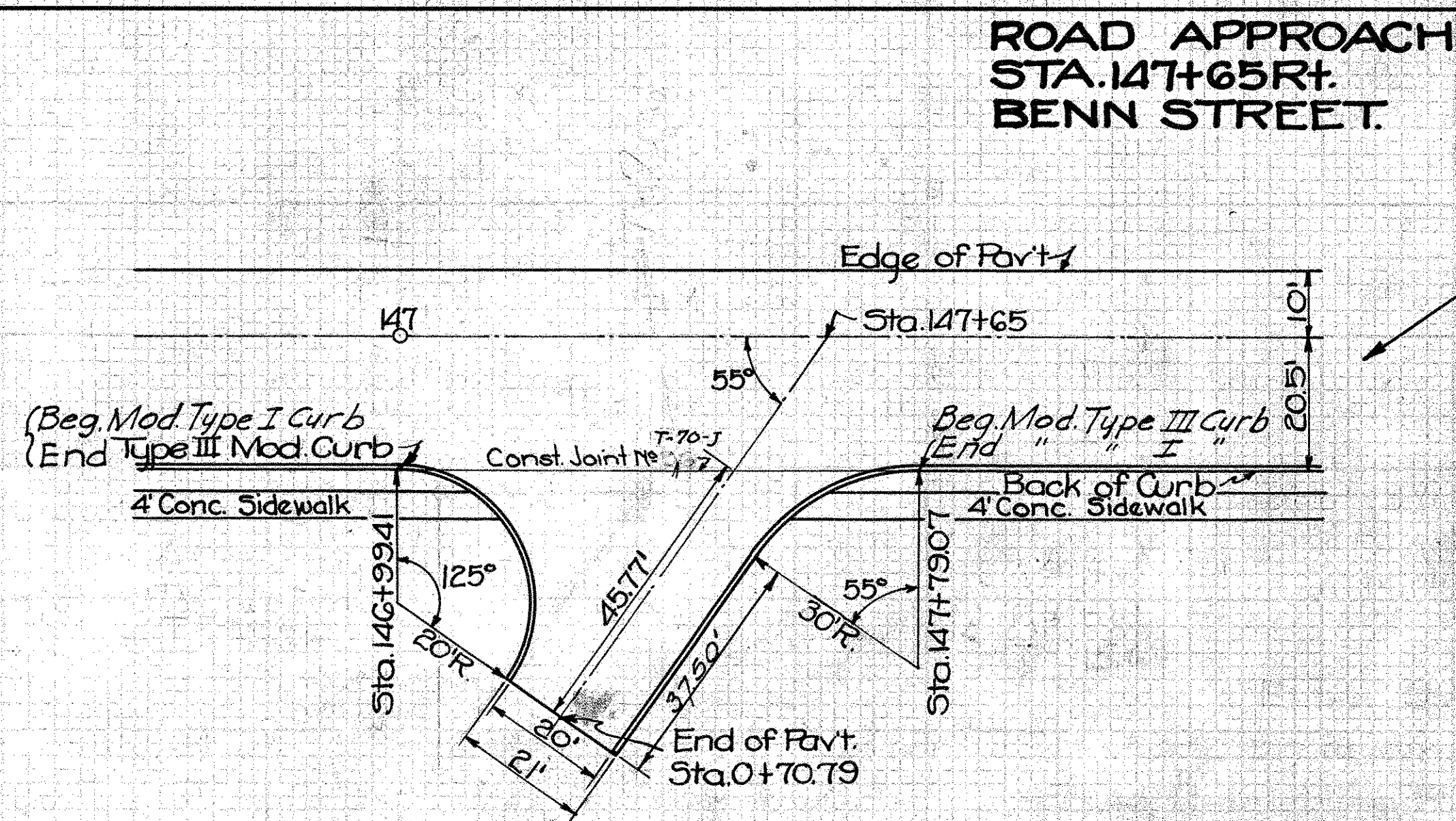
Build Drive as Shown
6" Conc. Pav't Item T-70 69.3 Sq. Yds.
No. 46 Aggregate 3 Cu. Yds.



EST. QUANTITIES

Pav't. (Item T-70)	74.1 Sq. Yds. (Addition)
Pav't. "	13.6 Sq. Yds. (Deduction)
Pav't. "	60.5 Sq. Yds. (Net Addition)
Type III Mod. Curb (1:5 1/2 Mix)	66.21 Lin. Ft. (Deduction)
Type I Mod. Curb (1:5 1/2 Mix)	44.88 Lin. Ft. (Addition)
No. 46 Aggregate	2 Cu. Yds.

Note: Const. Joint No. 7-70-J where specified by the Engineer. Payment to be included in price bid per 3 sq. yd. for pav't.

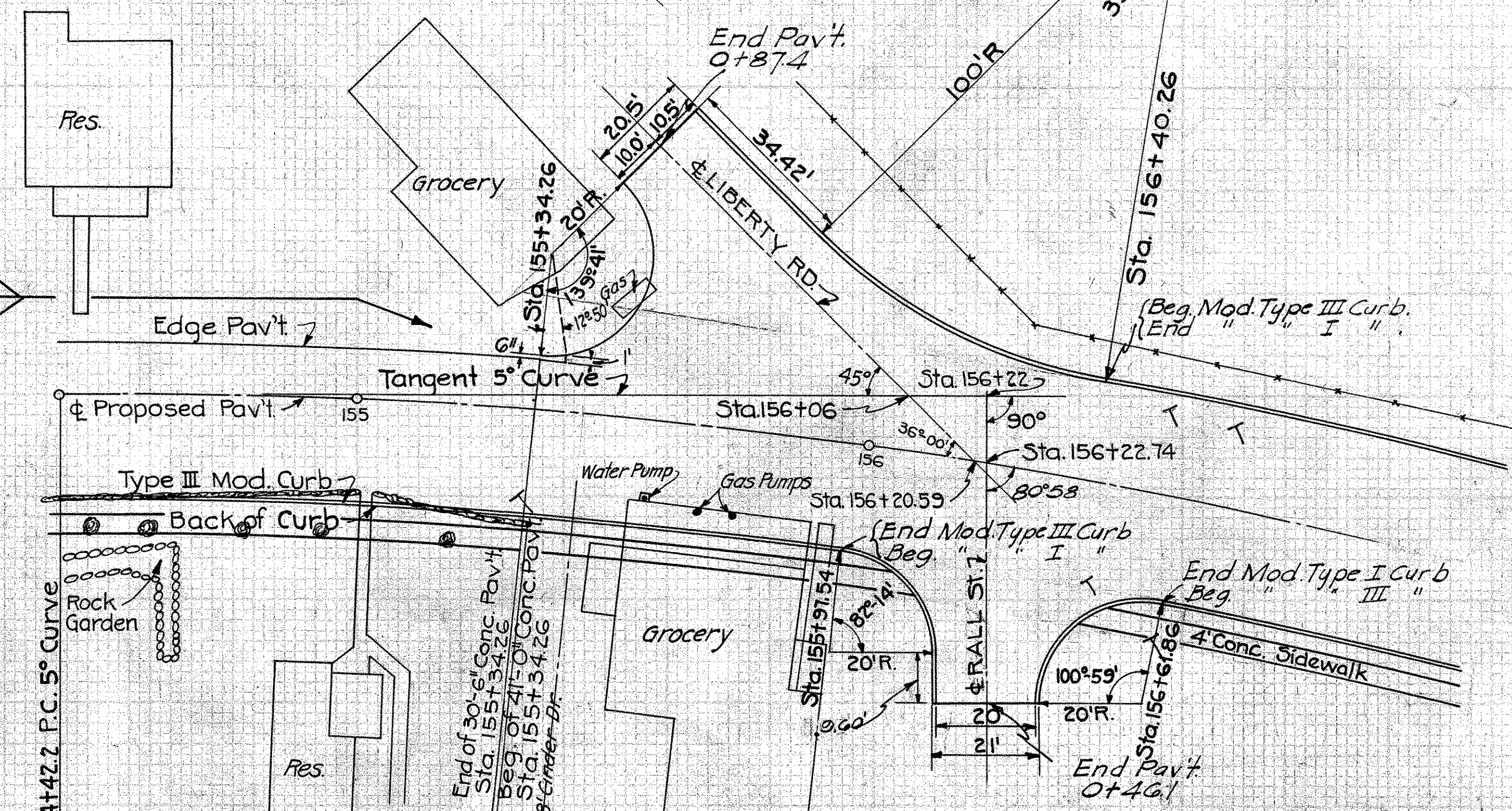
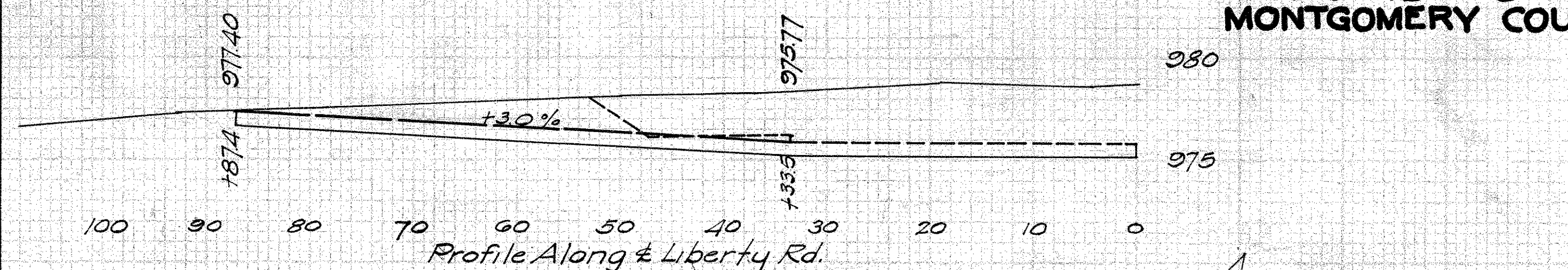


EST. QUANTITIES

Extra Pav't. Item T-70	147.8 Sq. Yds. (Net Addition)
Type I Mod. Curb (1:5 1/2 Mix)	109.93 Lin. Ft. (Net Addition)
No. 46 Aggregate	2 Cu. Yds.
Deduct for 4' Conc. Sidewalk (4" thick)	48 Lin. Ft.
Mod. Type III Curb	79.66 Lin. Ft. (Deduction)

ROAD APPROACHES STA. 156+20.59 Lt. LIBERTY ROAD

STA. 156+22.74 RALL STREET

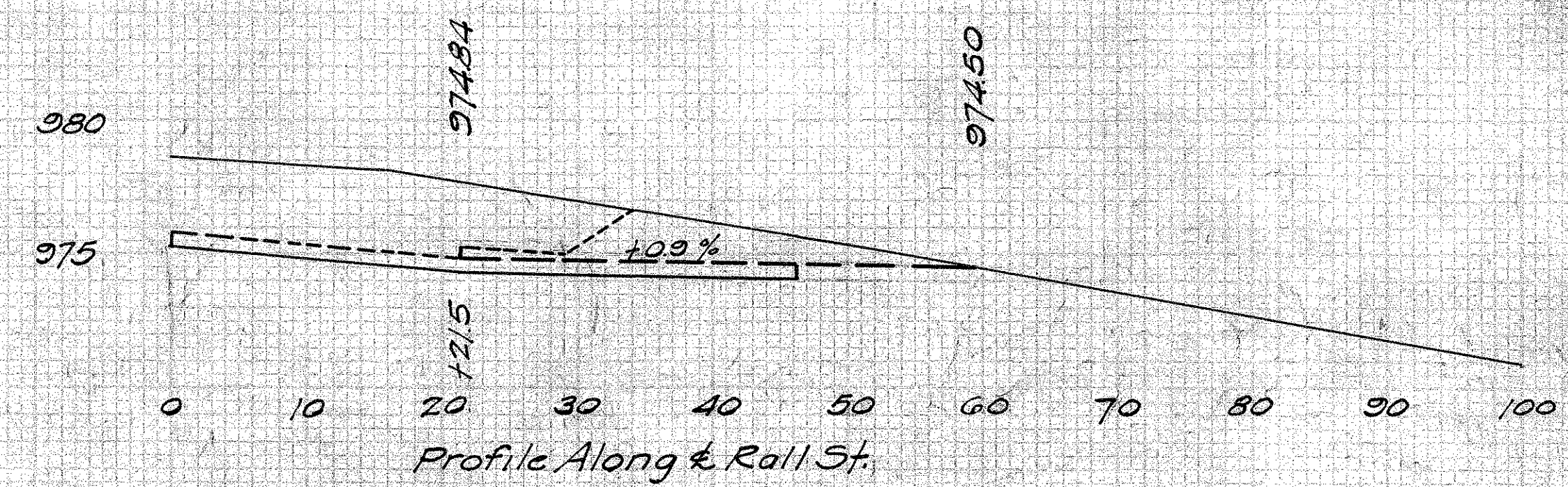


LIBERTY RD. EST. QUANTITIES

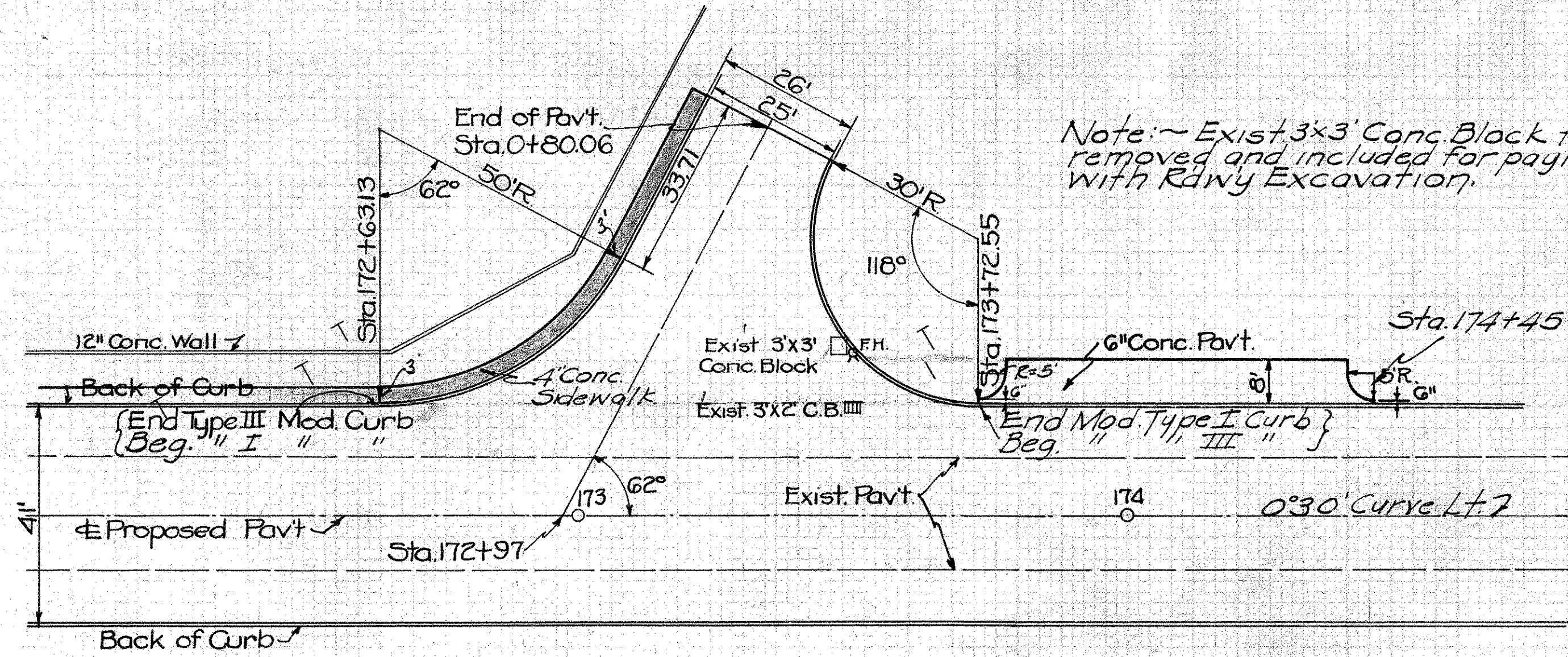
Extra Pav't. Item T-70	142.0 Sq. Yds. (Net Addition)
Type III Mod. Curb (1:5 1/2 Mix)	106.00 Lin. Ft. (Net Deduction)
No. 46 Aggregate	2 Cu. Yd.
Mod. Type I Curb	95.50 Lin. Ft. (Addition) Deduct for
Excav. (Incl. in Rdwy Quant.)	30 Cu. Yds.

RALL STREET EST. QUANTITIES

Extra Pav't. Item T-70	83.3 Sq. Yd. (Net Addition)
Type I Mod. Curb (1:5 1/2 Mix)	73.55 Lin. Ft. (Net Addition)
T-60 Pav't	4 Cu. Yds.
4' Conc. Sidewalk 4" thick	36.5 Lin. Ft.
Mod. Type III Curb	64.32 " " (Deduction)
Exc. (Incl. in Rdwy Quant.)	25 Cu. Yds.



**ROAD APPROACH
STA. 172+97 Lt.
GETTYSBURG AVE.**

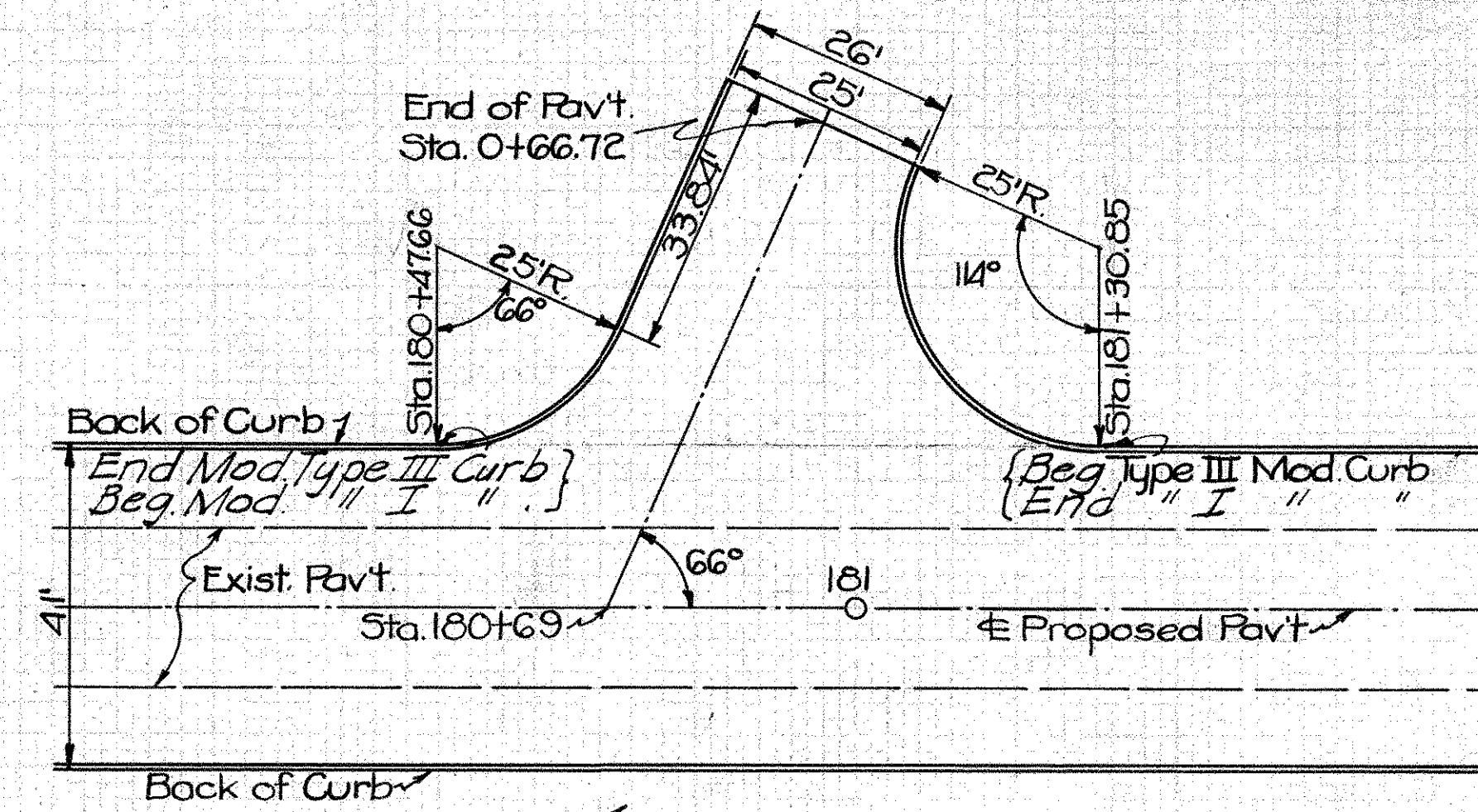


EST. QUANTITIES

Extra Pav't Item T-70	244.3 Sq.Yds. (Net Addition)
Type I Mod. Curb	149.6 Lin. Ft. (Net Addition)
No. 46 Aggregate	3 Cu. Yds.
6" Conc. Pav't Item T-70	67.7 Sq. Yds.
Mod. Type III Curb	109.4 Lin. Ft. (Deduction)
Exc. (incl. in Rdwy. Quan.)	35 Cu. Yd.
4" Conc. Sidewalk (Item I-13)	258.6 Sq. Ft.
Depress Curb as Directed	

Note: Const. Joint No. 170, where specified by the Engineer, payment to be included in price bid per Sq. Yd. for Pav't.

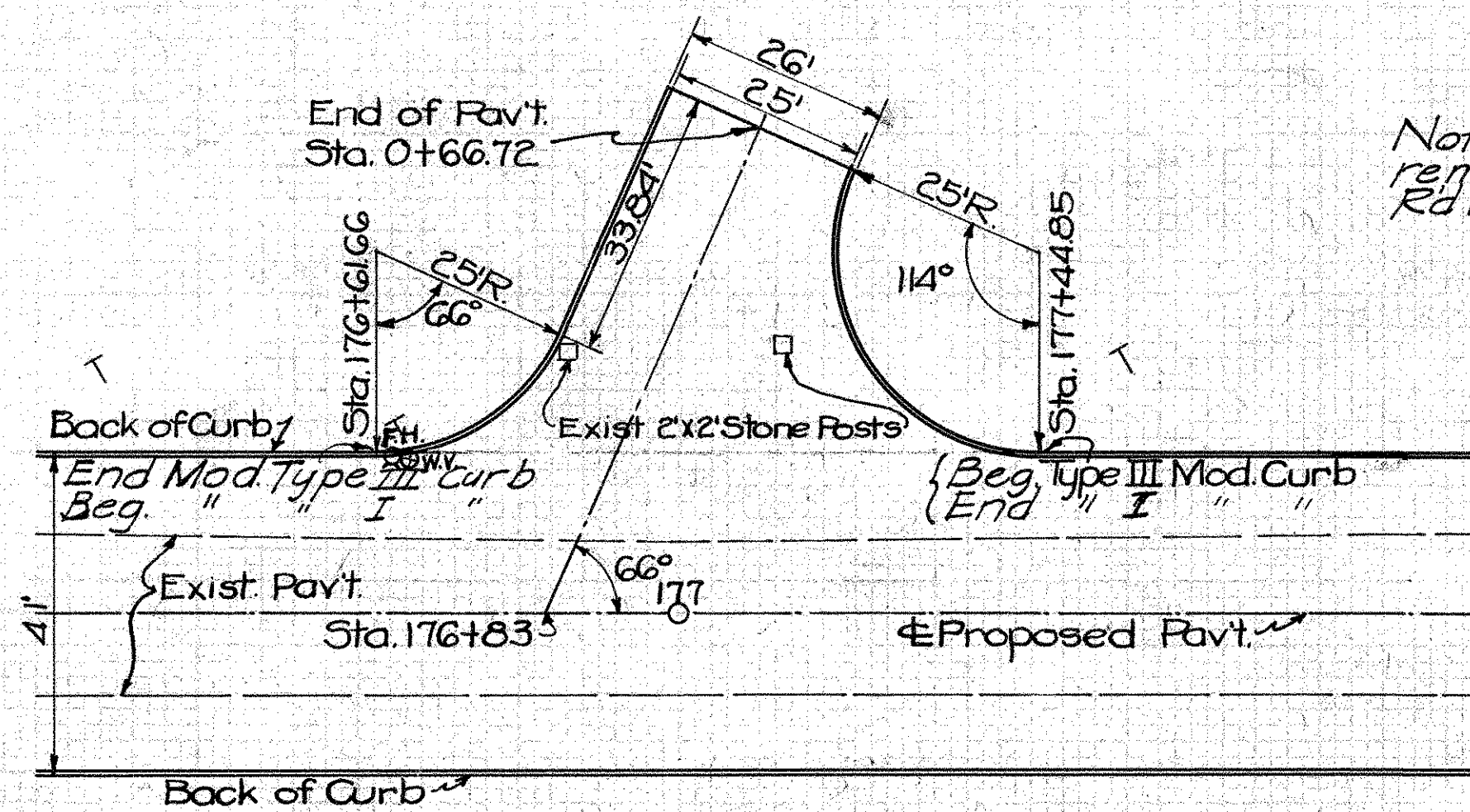
**ROAD APPROACH
STA. 180+69 Lt.**



EST. QUANTITIES

Extra Pav't Item T-70	170.9 Sq.Yds. (Net Addition)
Type I Mod. Curb	112.38 Lin. Ft. (Net Addition)
No. 46 Aggregate	2 Cu. Yds.
Mod. Type III Curb	83.19 Lin. Ft. (Deduction)
Exc. (incl. in Rdwy. Quan.)	45 Cu. Yd.

**ROAD APPROACH
STA. 176+83 Lt.**

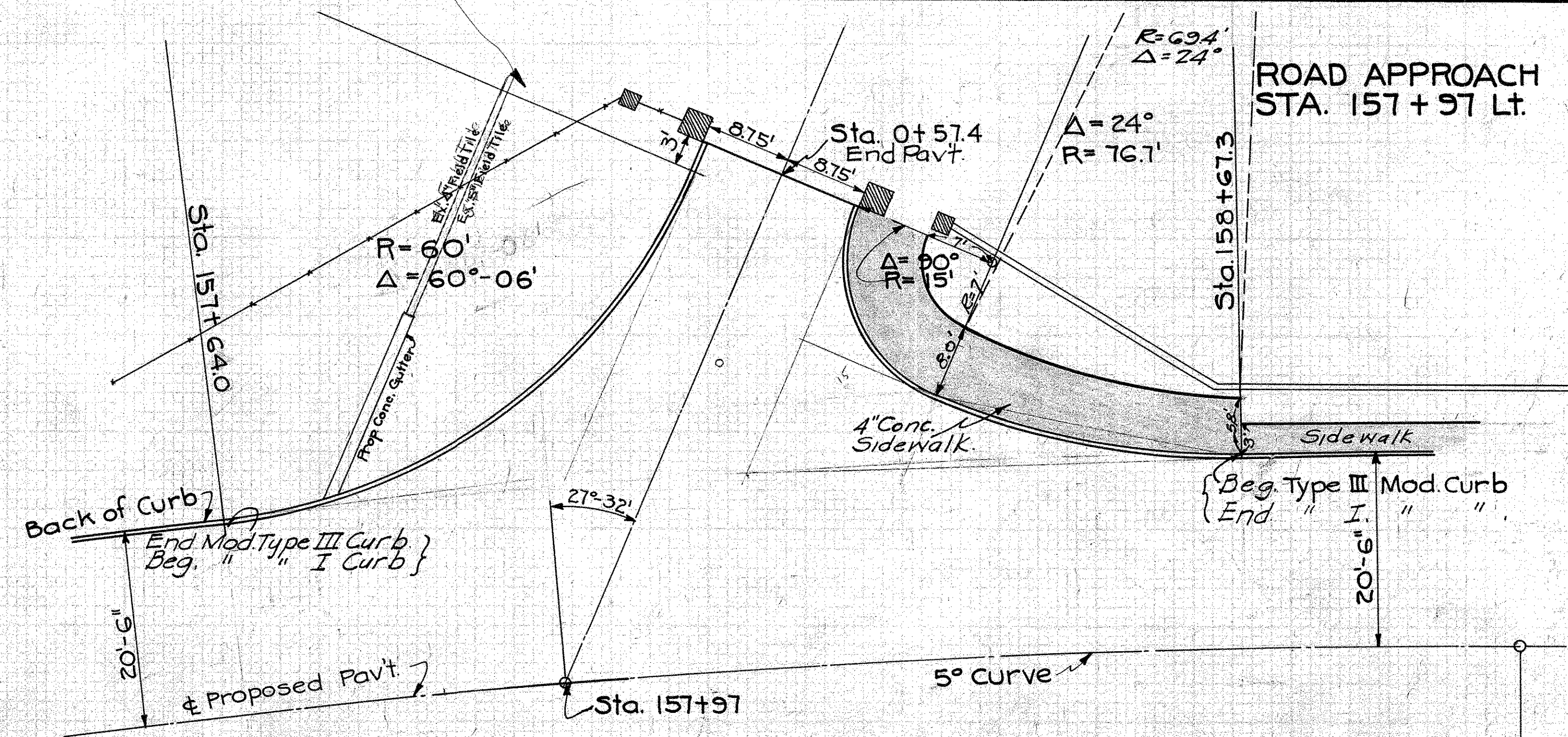


EST. QUANTITIES

Extra Pav't Item T-70	170.9 Sq.Yds. (Net Addition)
Type I Mod. Curb	112.38 Lin. Ft. (Net Addition)
No. 46 Aggregate	2 Cu. Yds.
Mod. Type III Curb	83.19 Lin. Ft. (Deduction)
Exc. (incl. in Rdwy. Quan.)	25 Cu. Yd.

Note: ~ Existing 2x2 Stone Posts to be removed and included for payment with Rdwy. Excavation.

**ROAD APPROACH
STA. 157+97 Lt.**

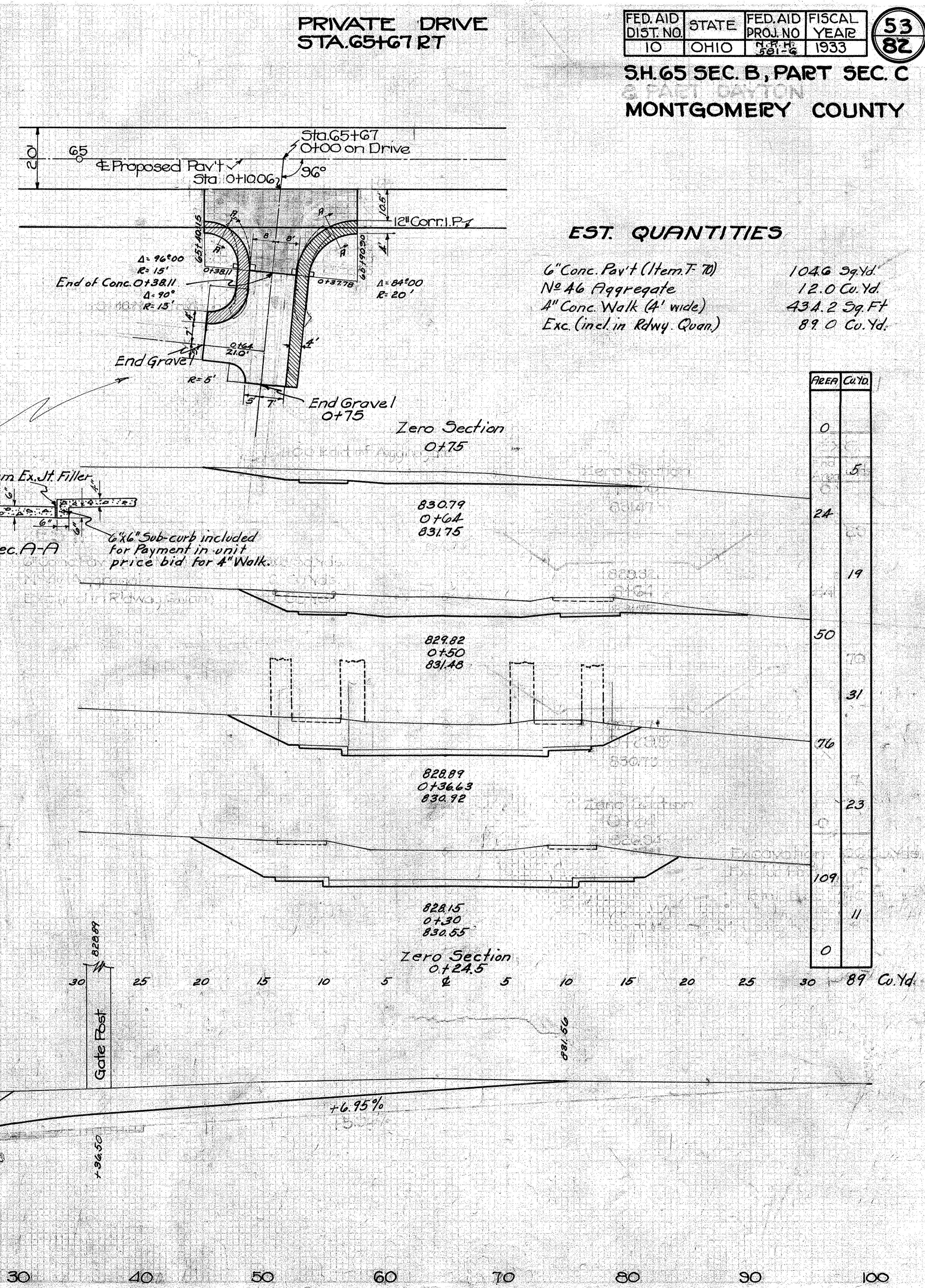
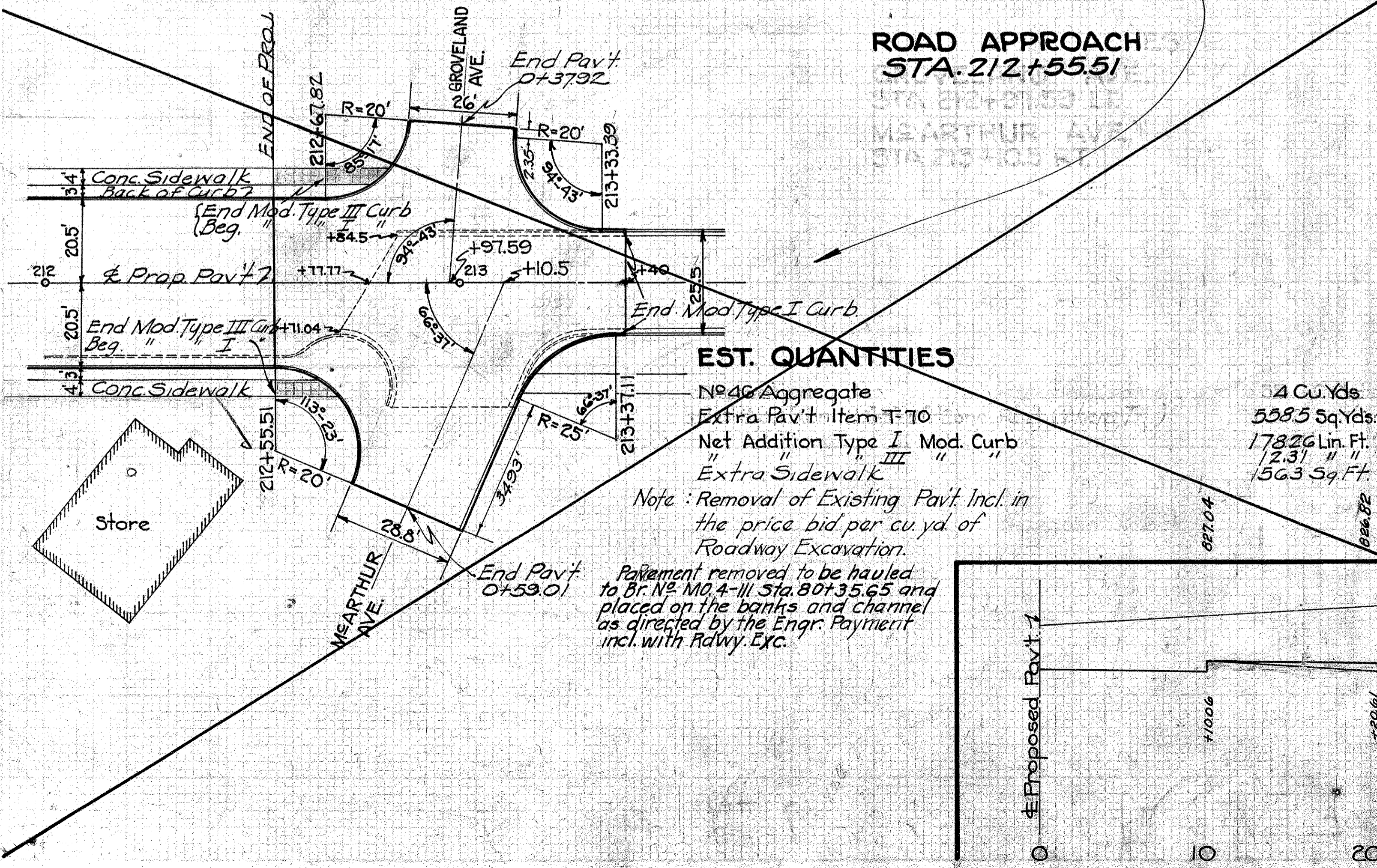
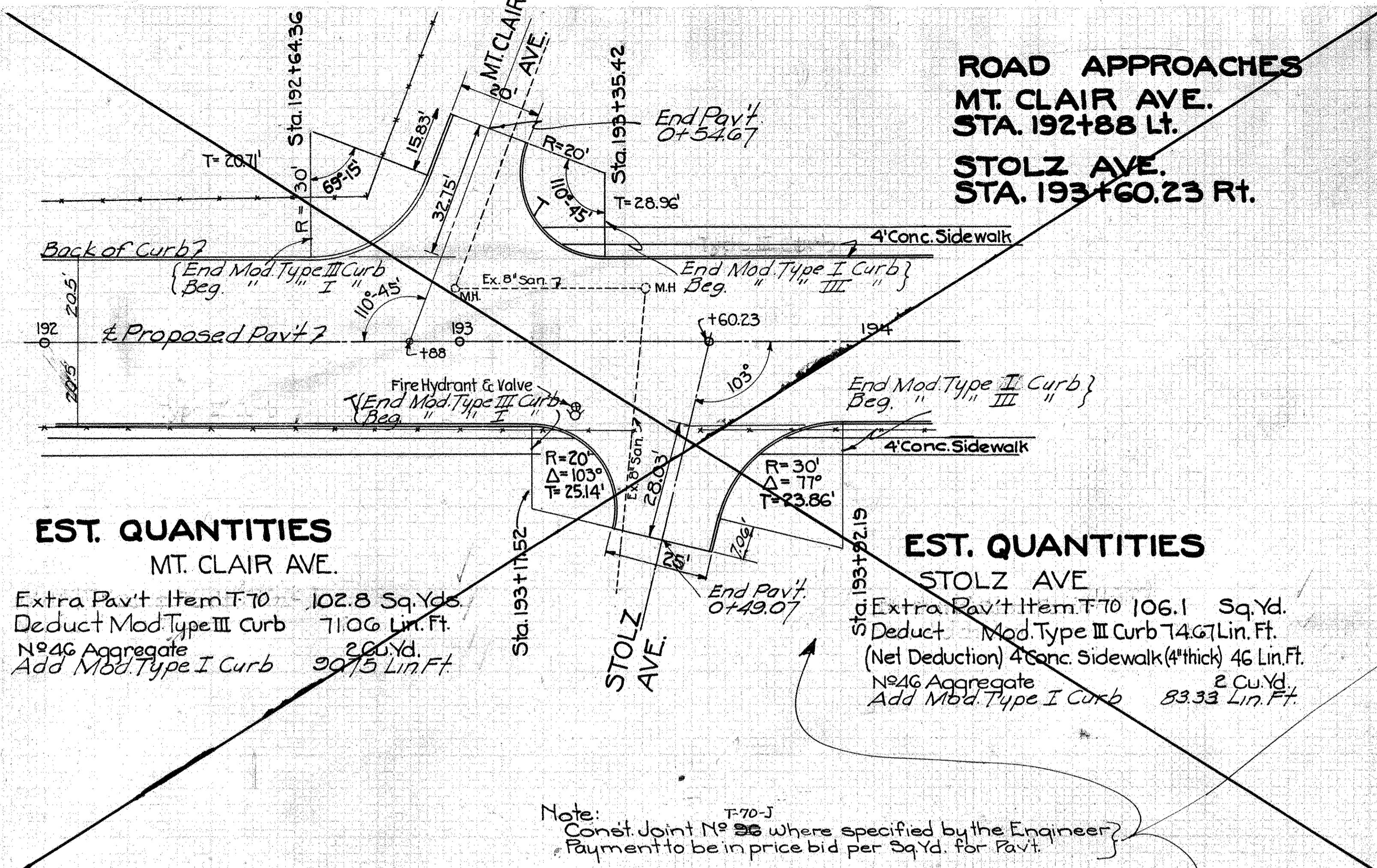


EST. QUANTITIES

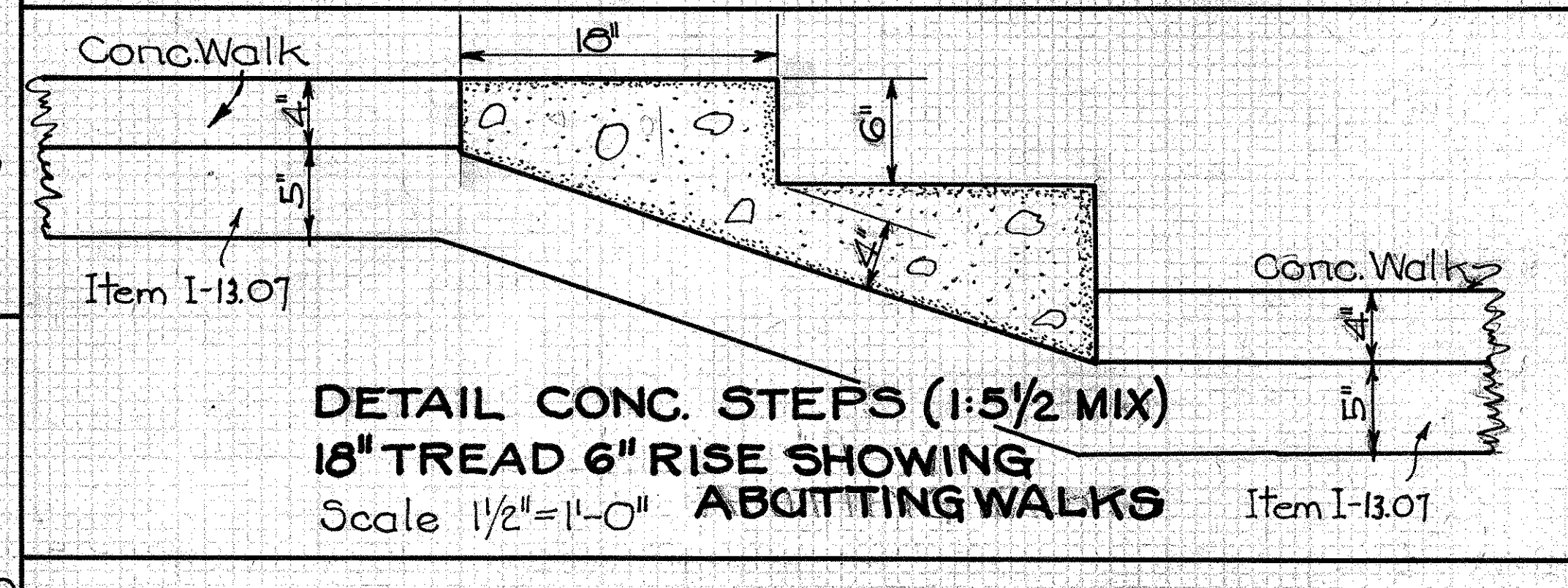
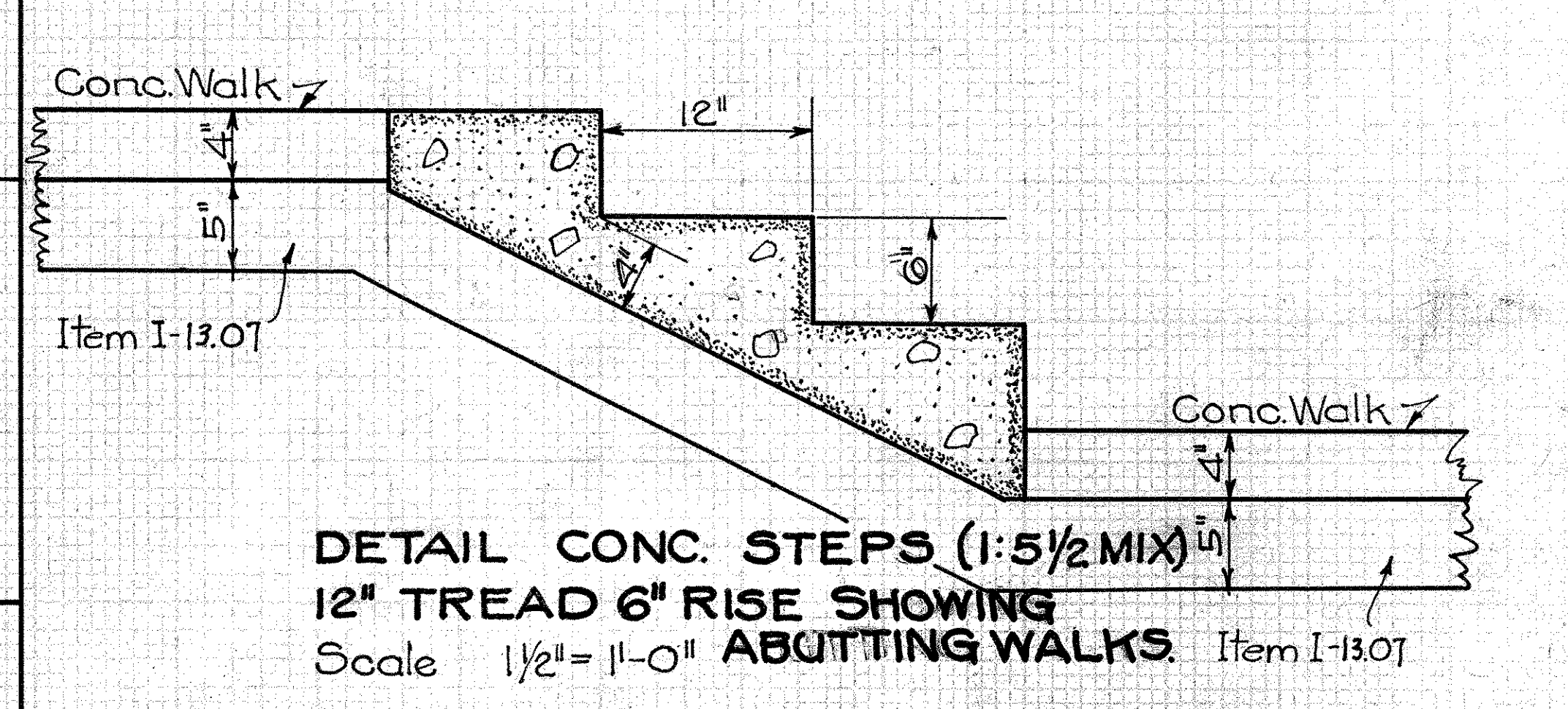
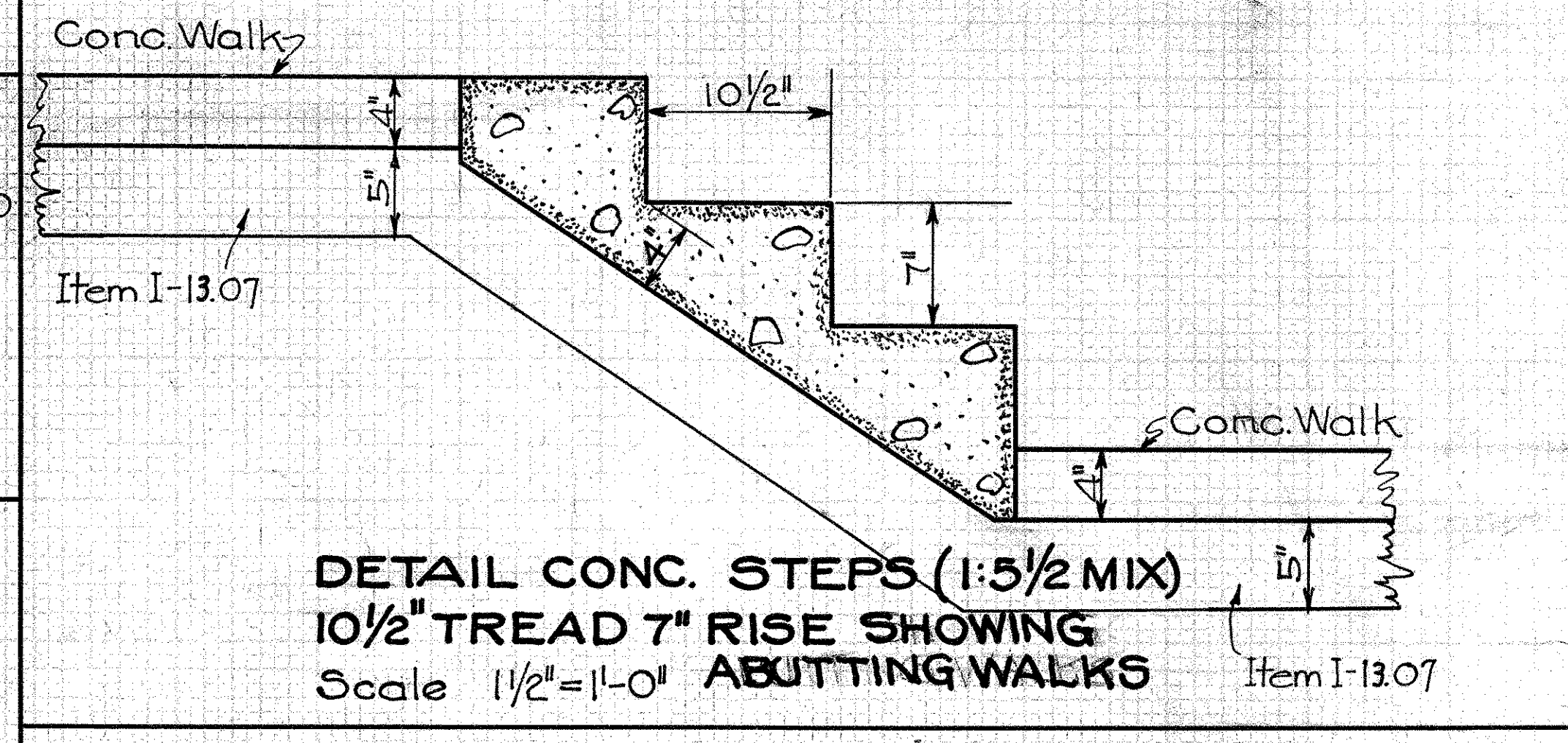
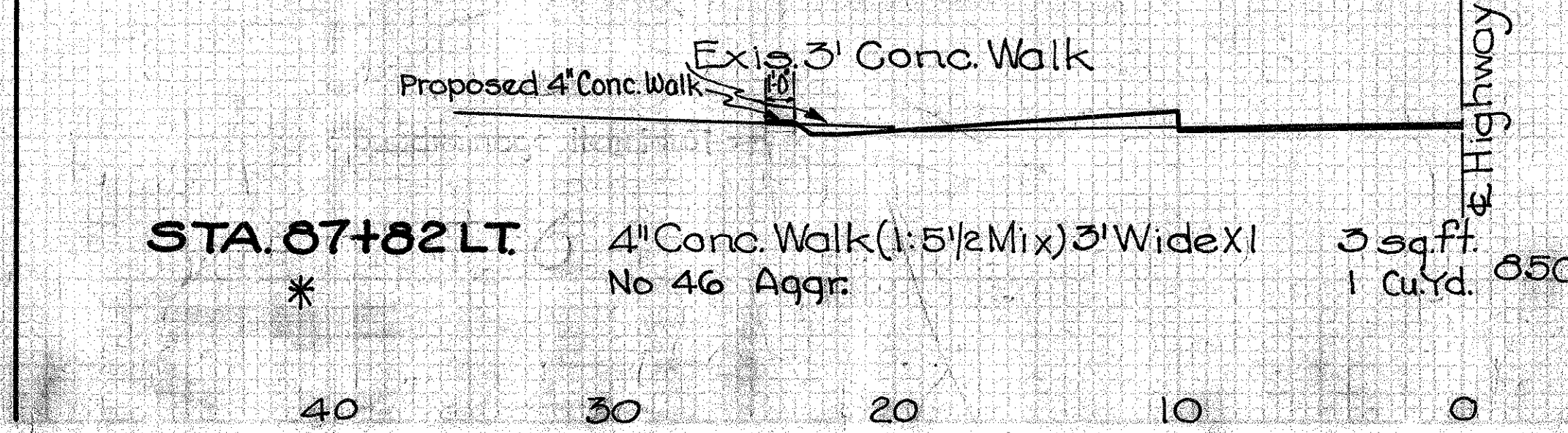
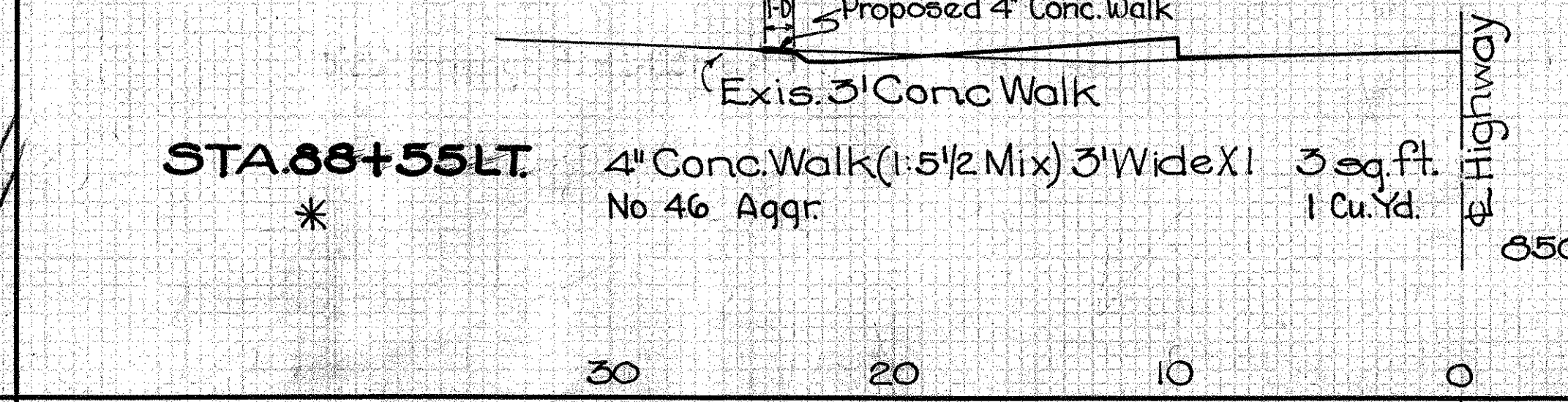
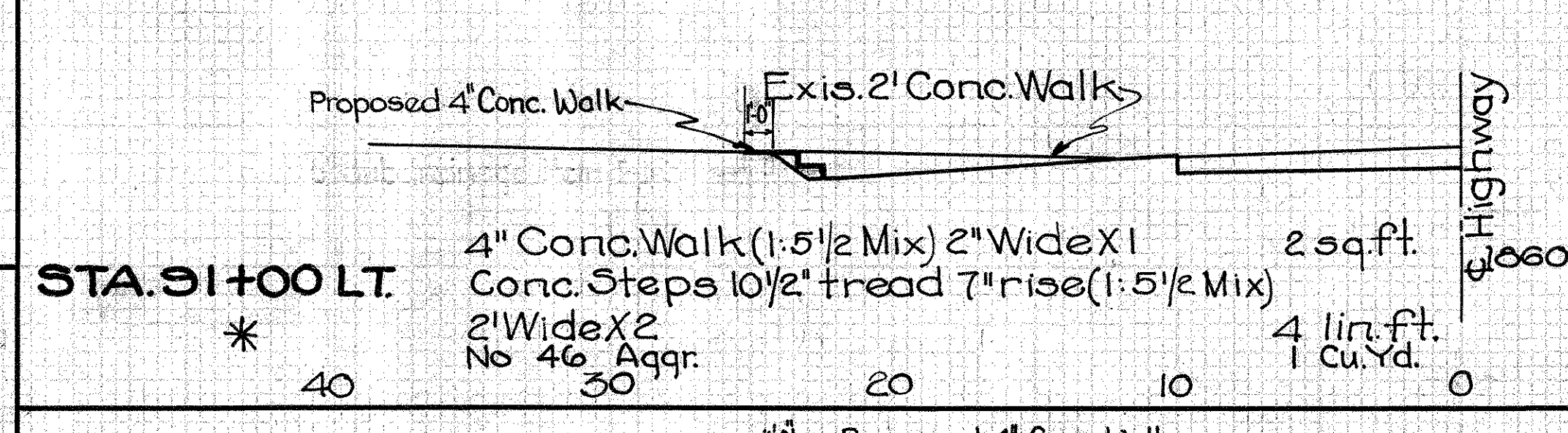
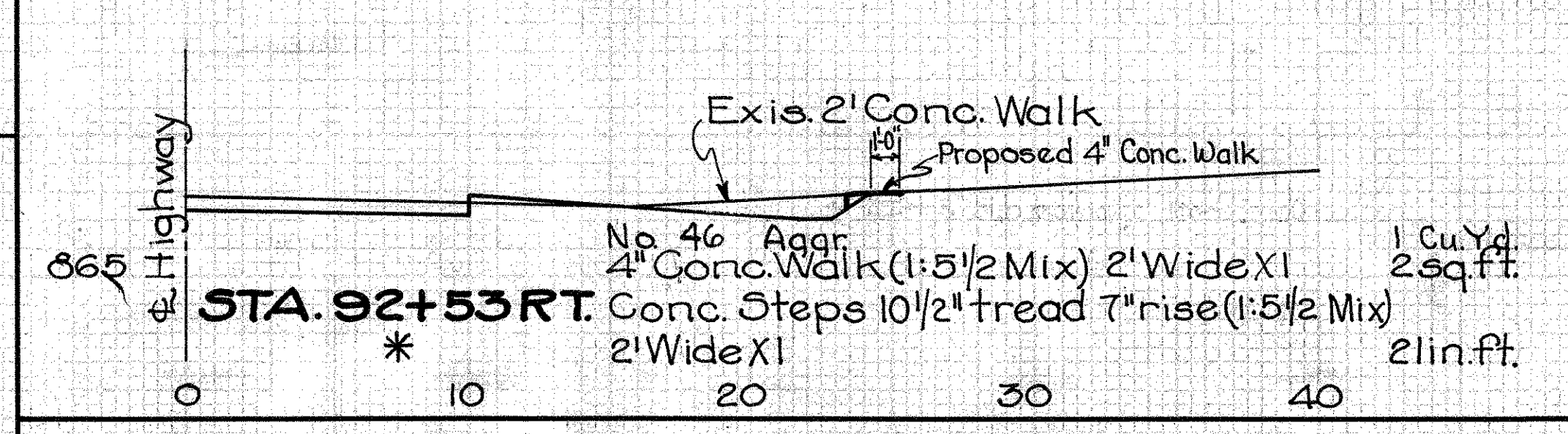
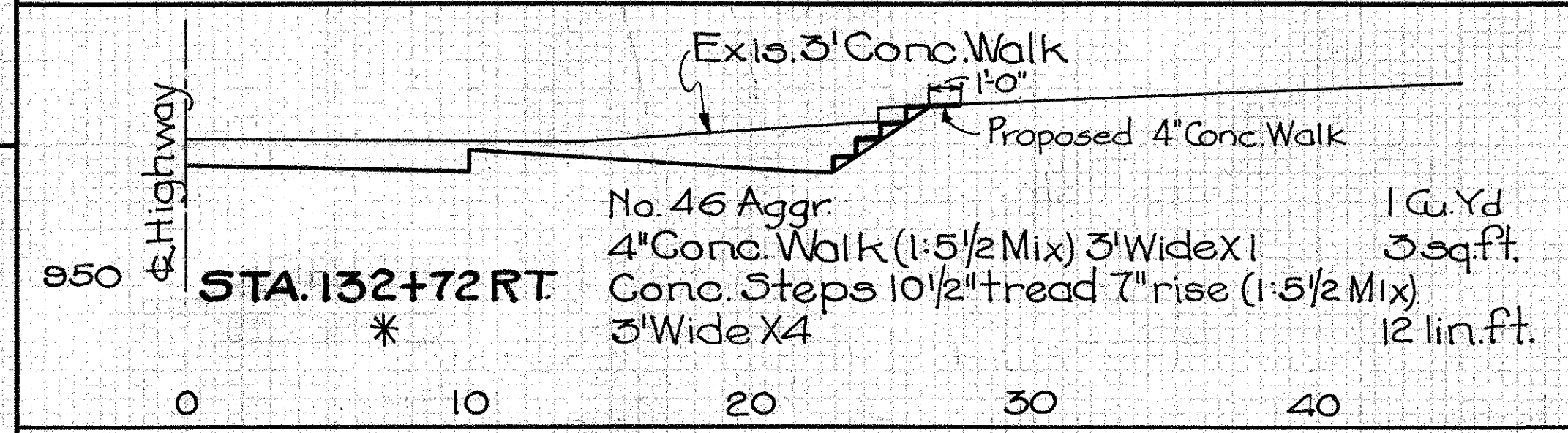
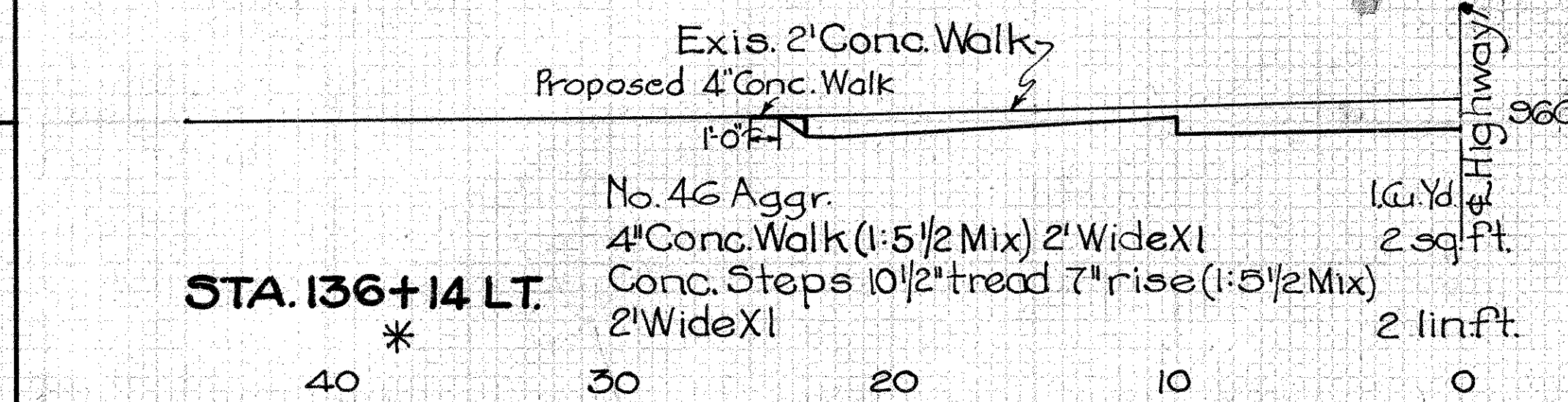
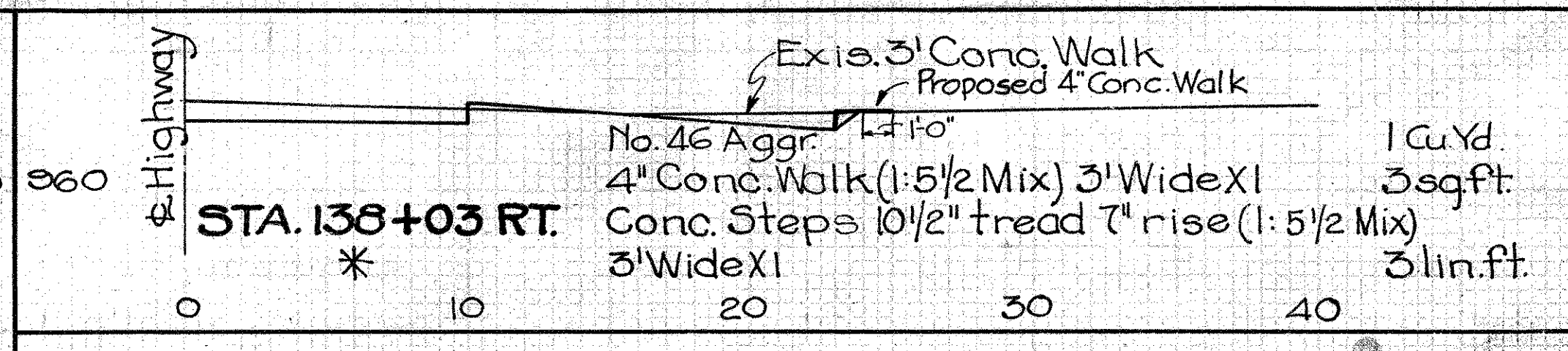
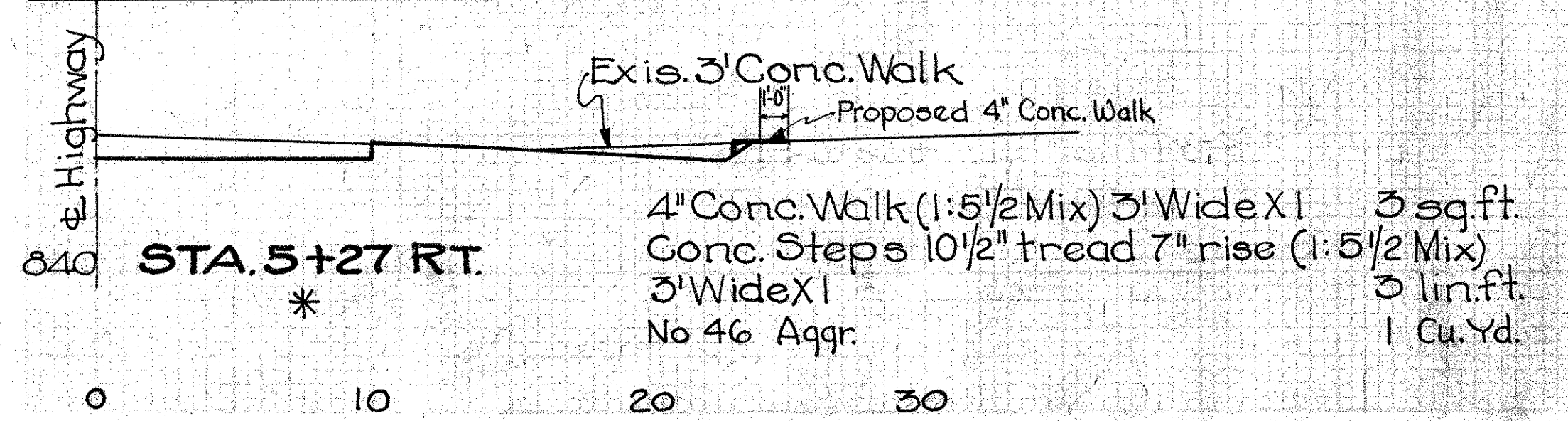
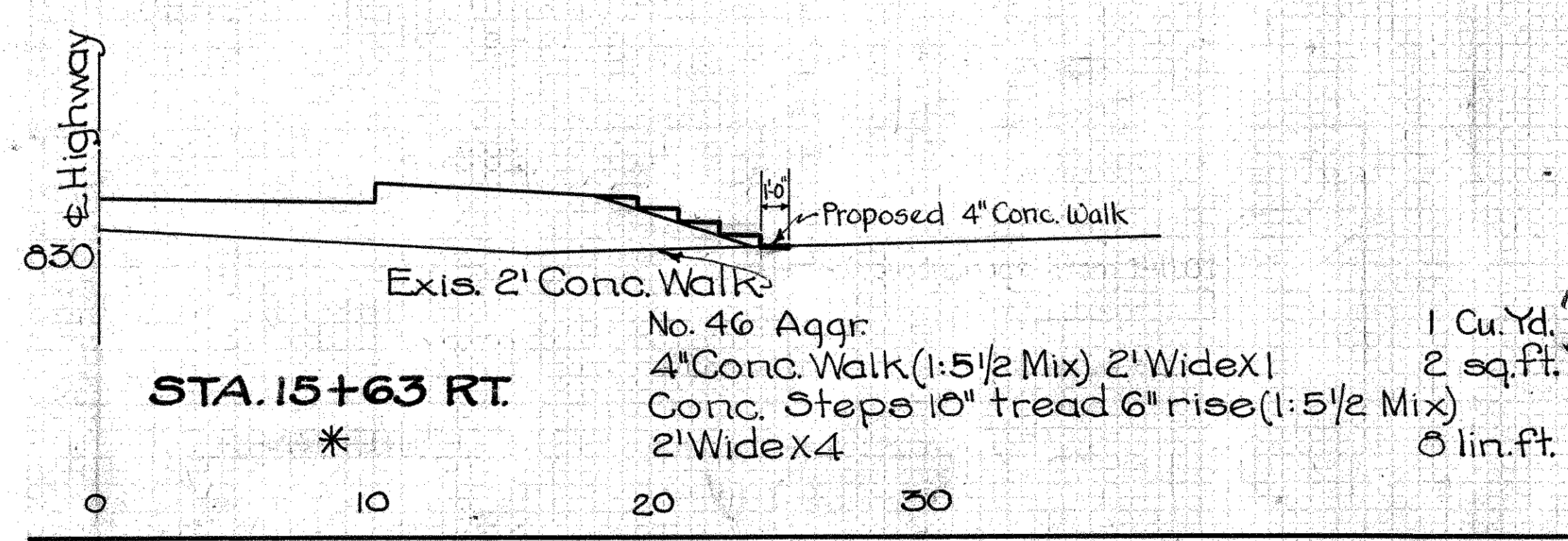
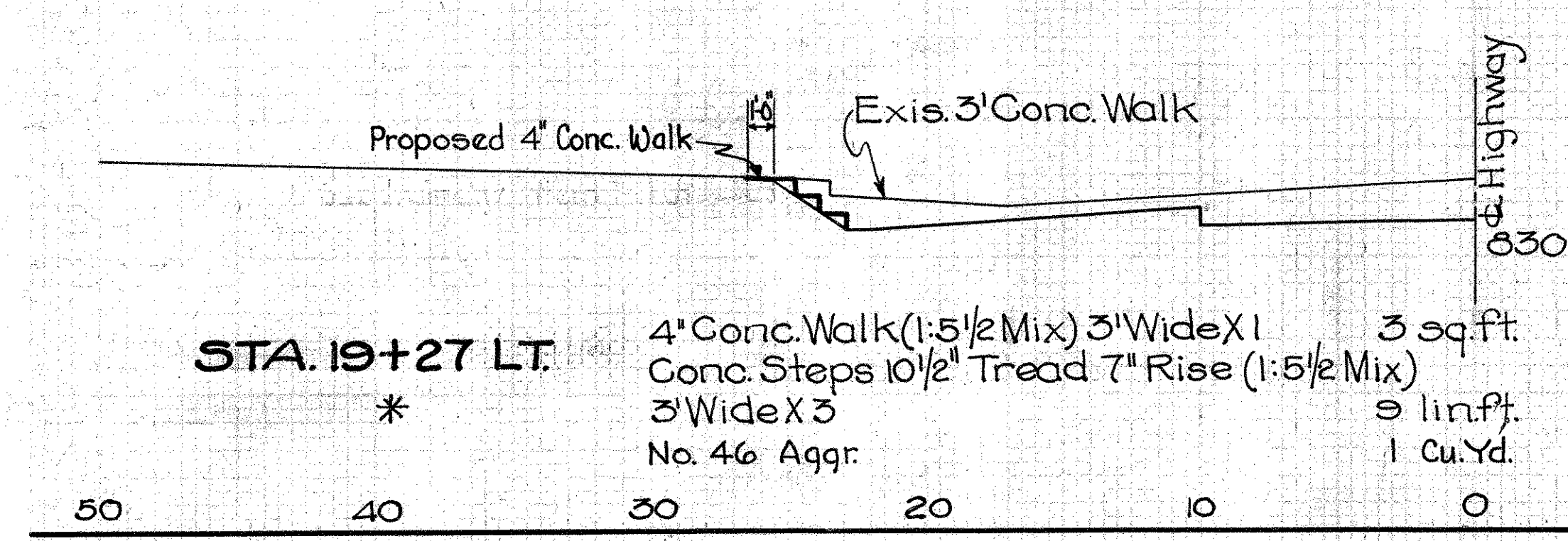
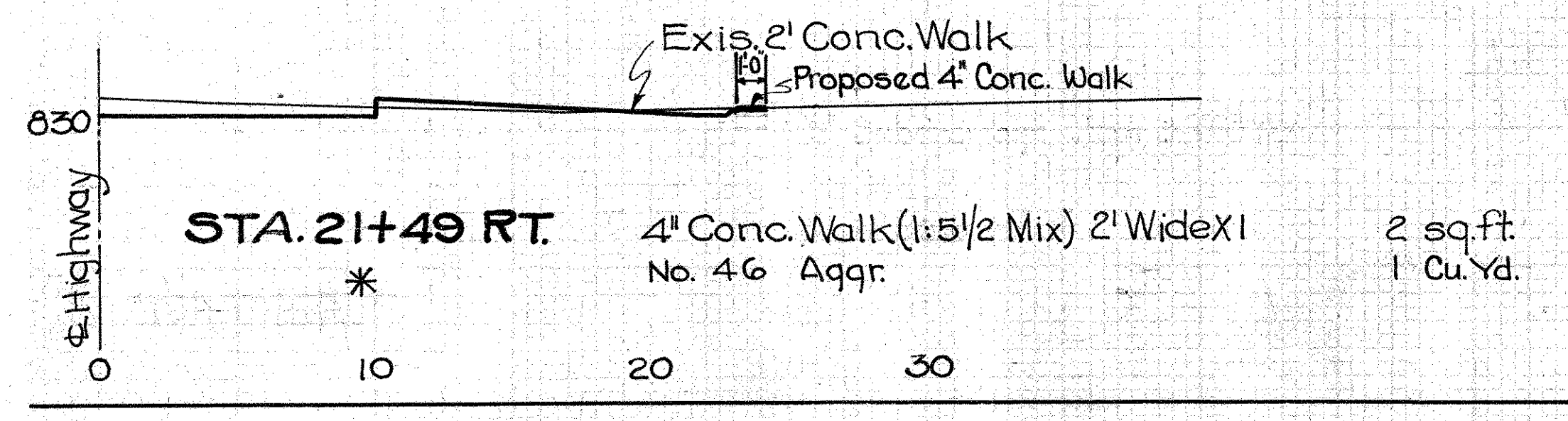
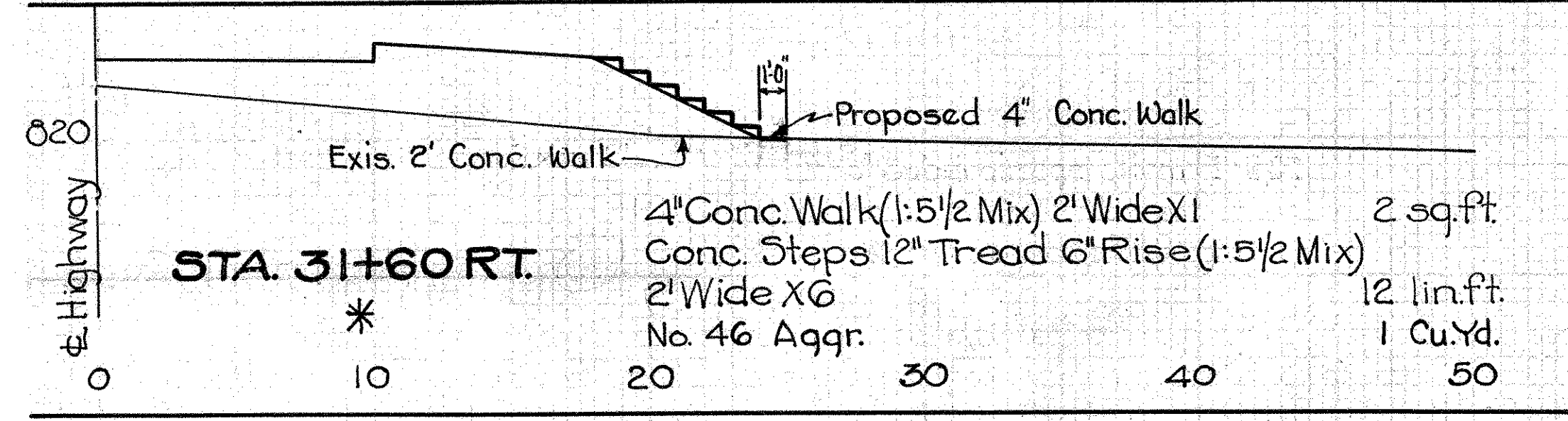
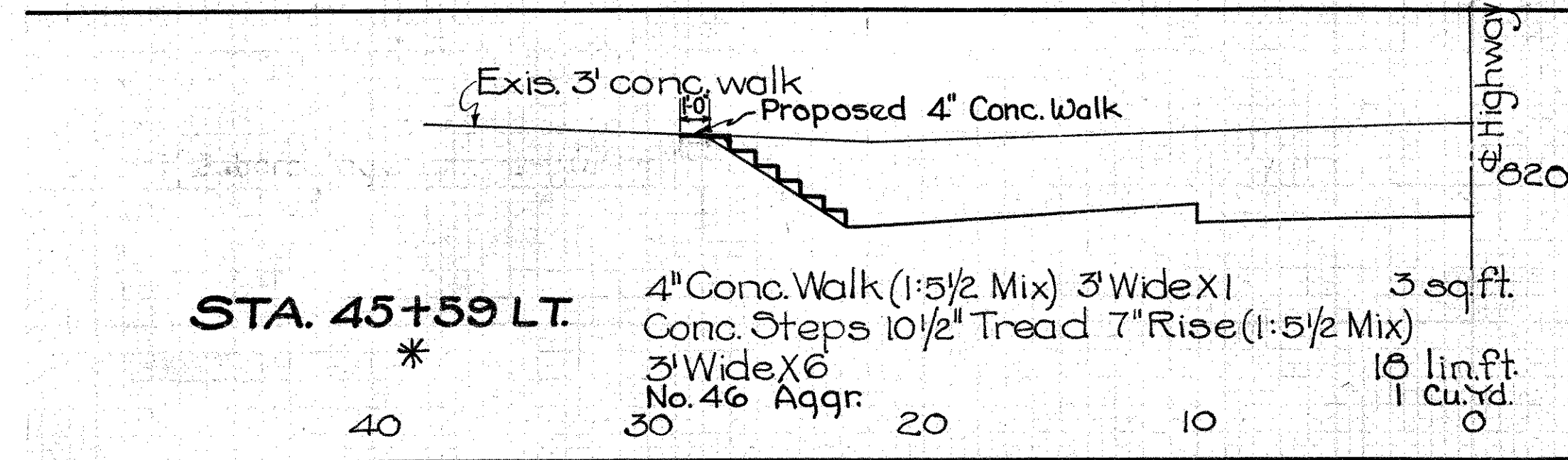
Extra Pav't Item T-70	124.0 Sq.Yd. (Net Addition)
Type I Mod. Curb	121.63 Lin. Ft. (Net Addition)
No. 46 Aggregate	3 Cu. Yd.
Mod. Type III Curb	103.30 Lin. Ft. (Deduction)
Exc. (incl. in Rdwy. Quan.)	35 Cu. Yd.
4" Conc. Sidewalk (Item I-13)	340 Sq. Ft.

T-60 Pav't.

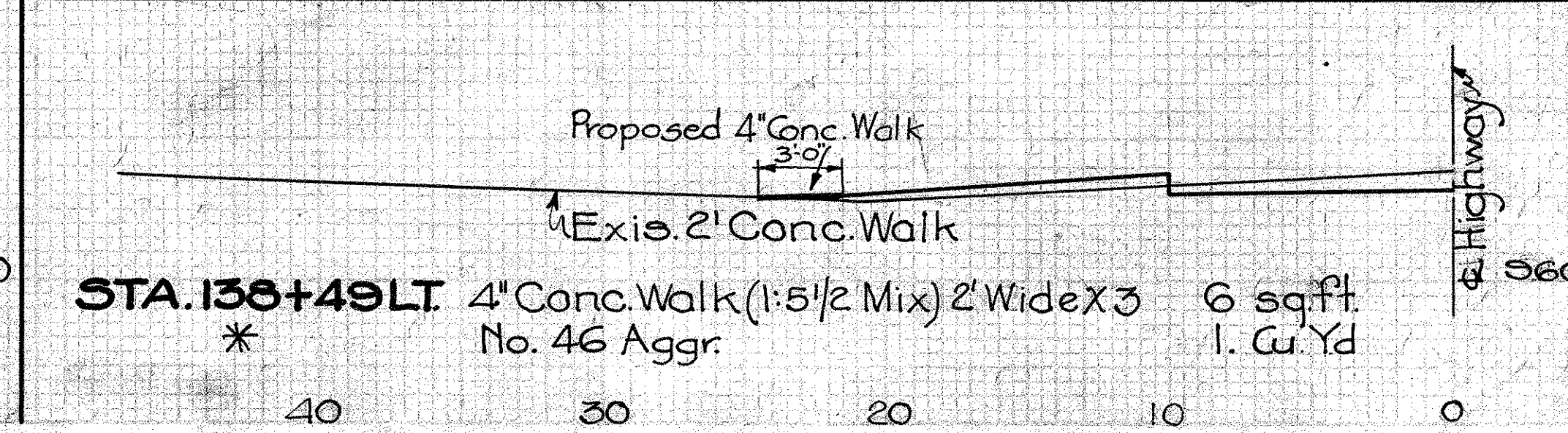
Pt. Sta. 158+95.37



SIDEWALKS & STEPS ON 20'-0" WIDTH PAV'T.



Note: Removal of Portions of existing conc. walks to be included in price per sq.ft. of 4" Conc. Walk
* Subdrainage under conc. steps incl. for payment with price bid per lin. ft. of steps.



SIDEWALKS & STEPS ON 30'-6" WIDTH PAV'T.

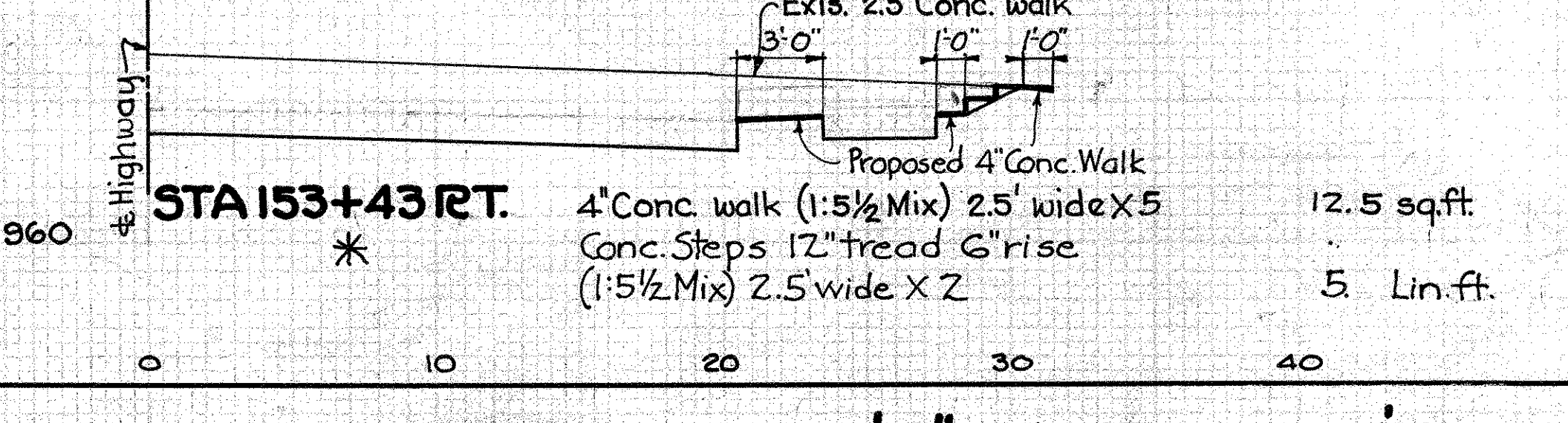
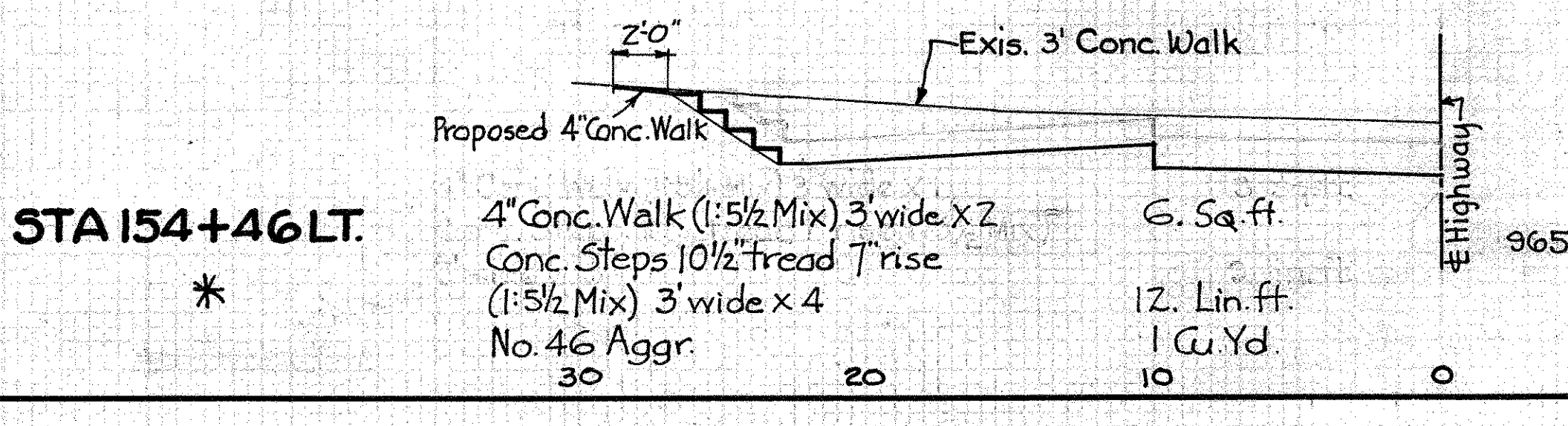
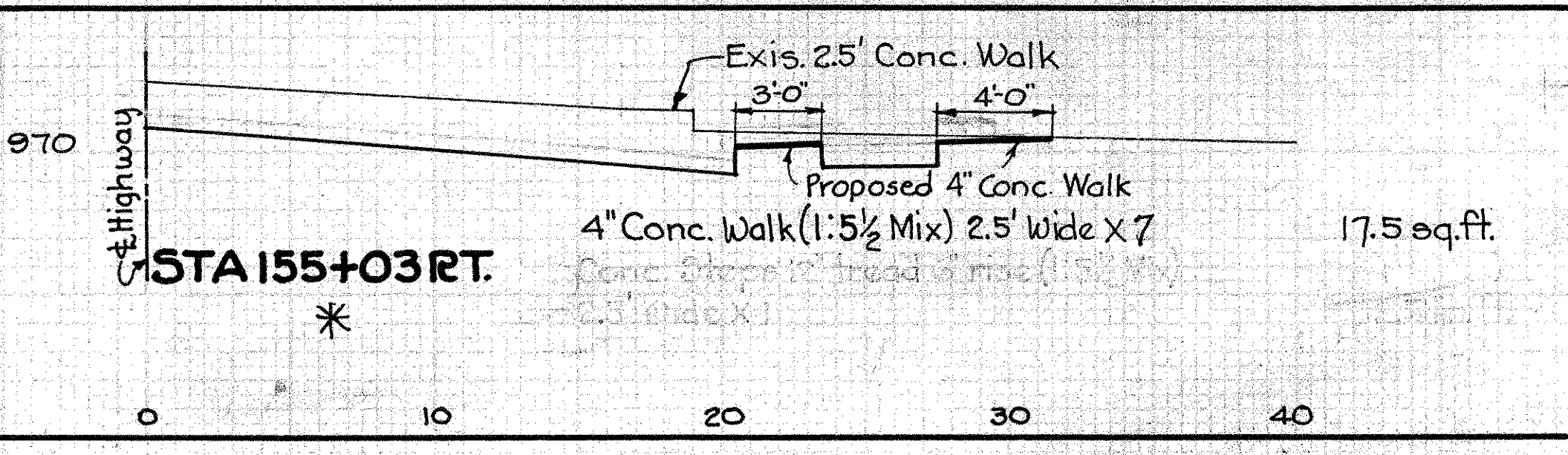
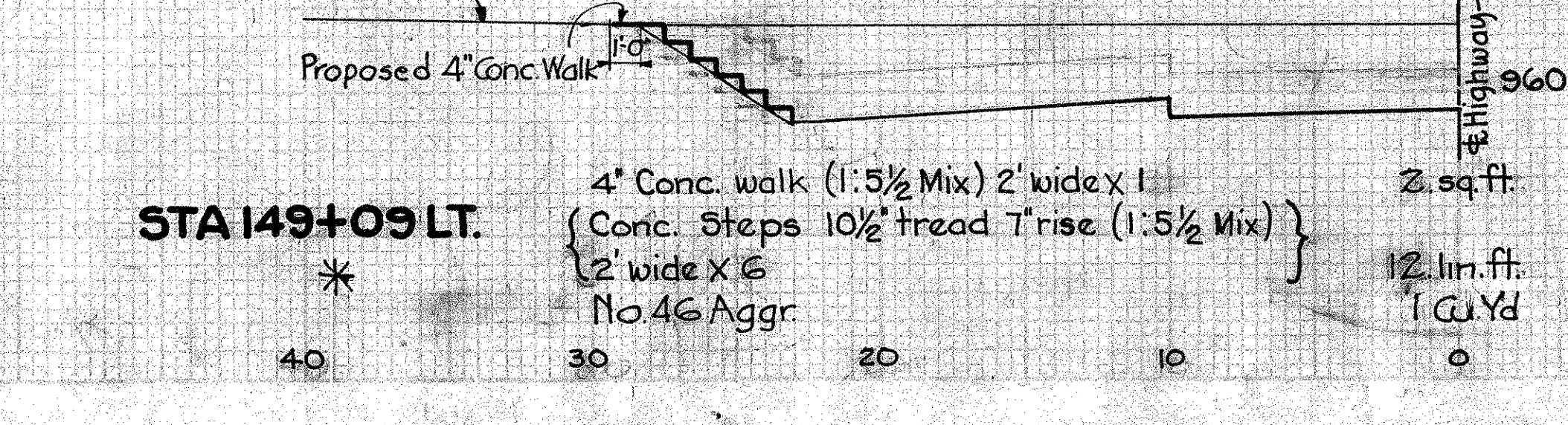
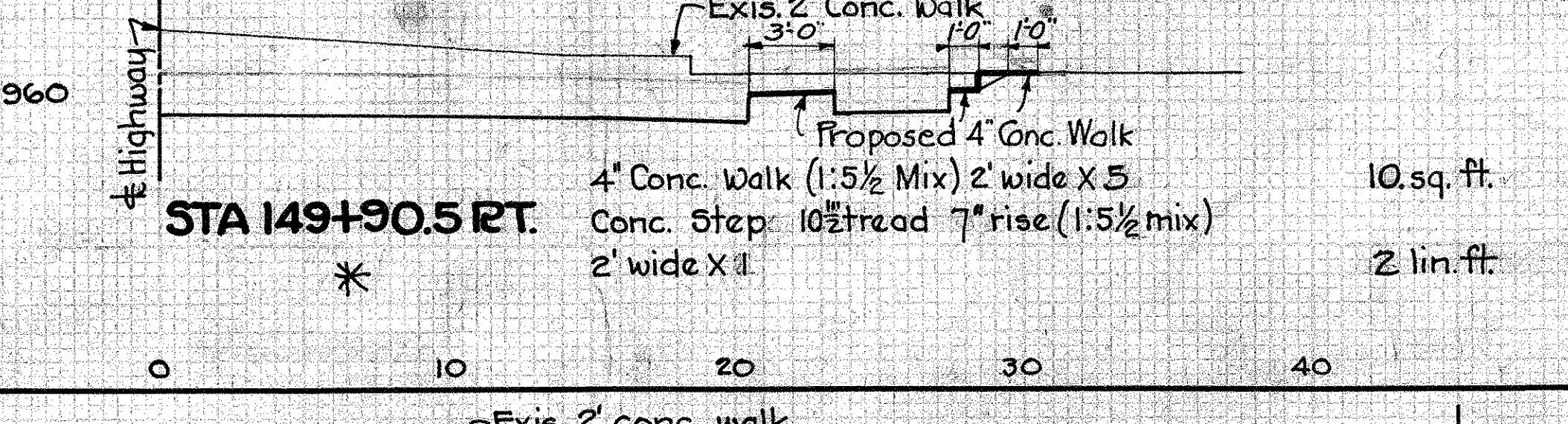
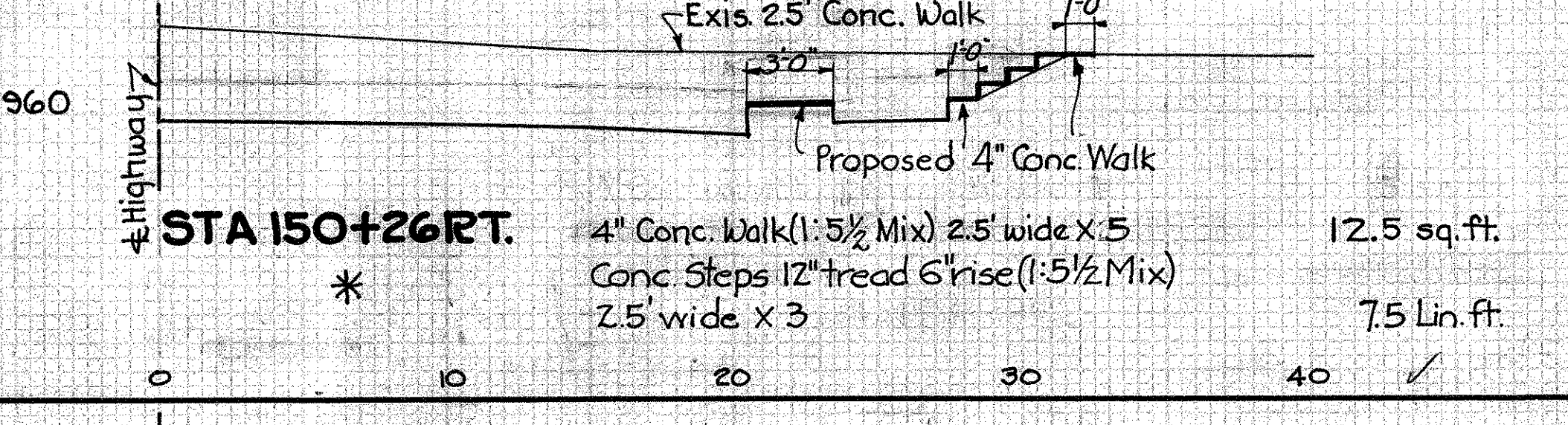
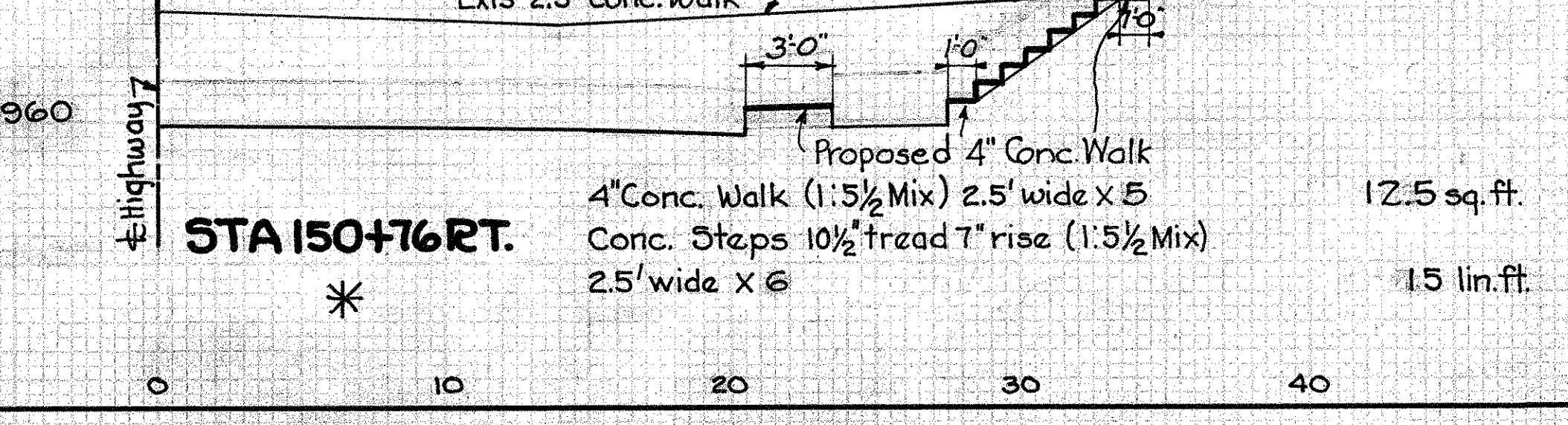
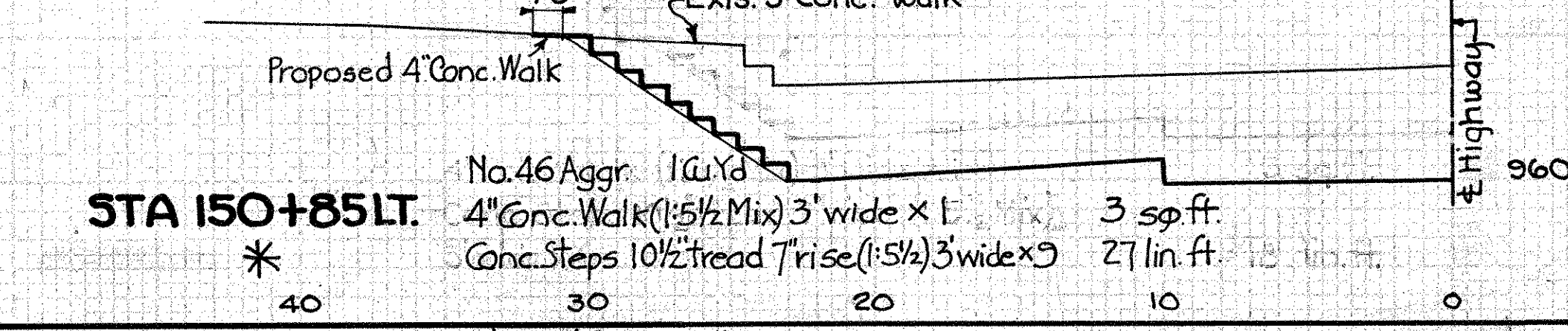
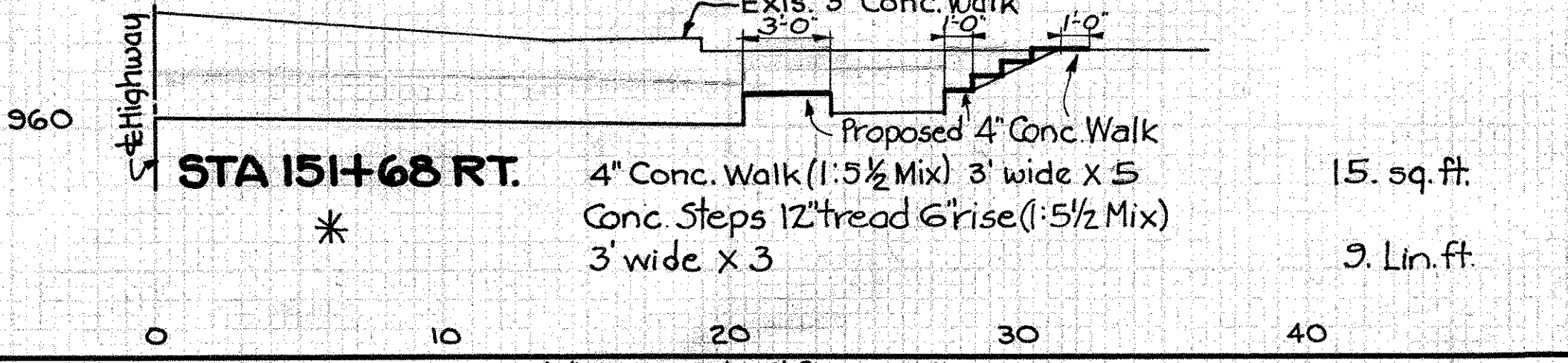
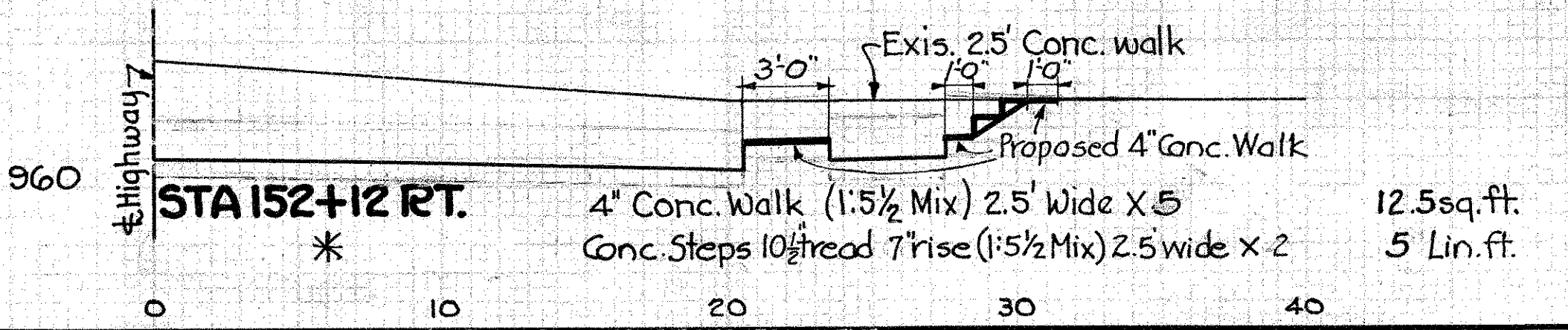
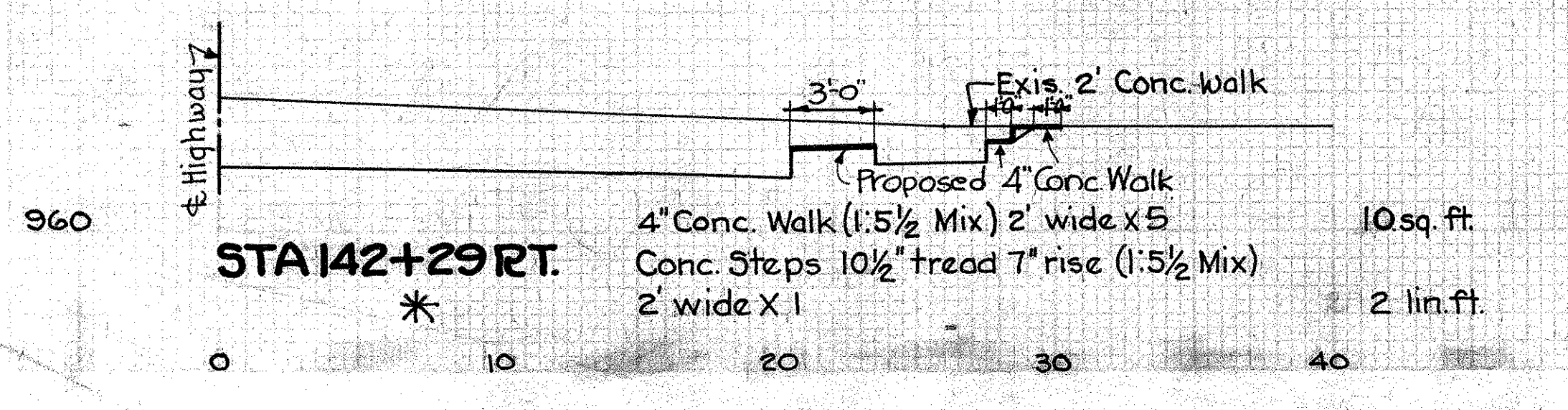
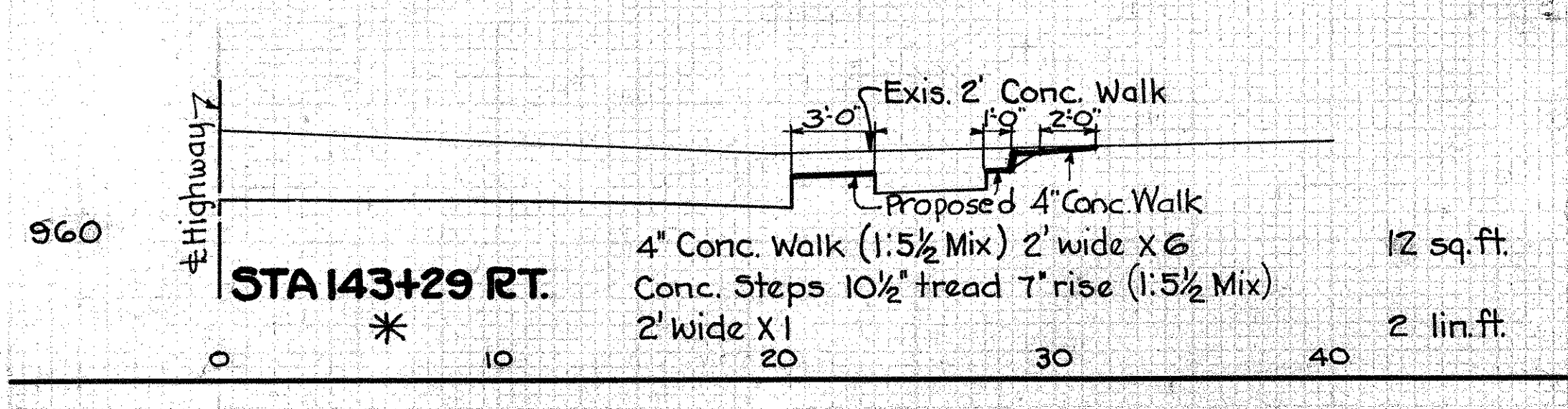
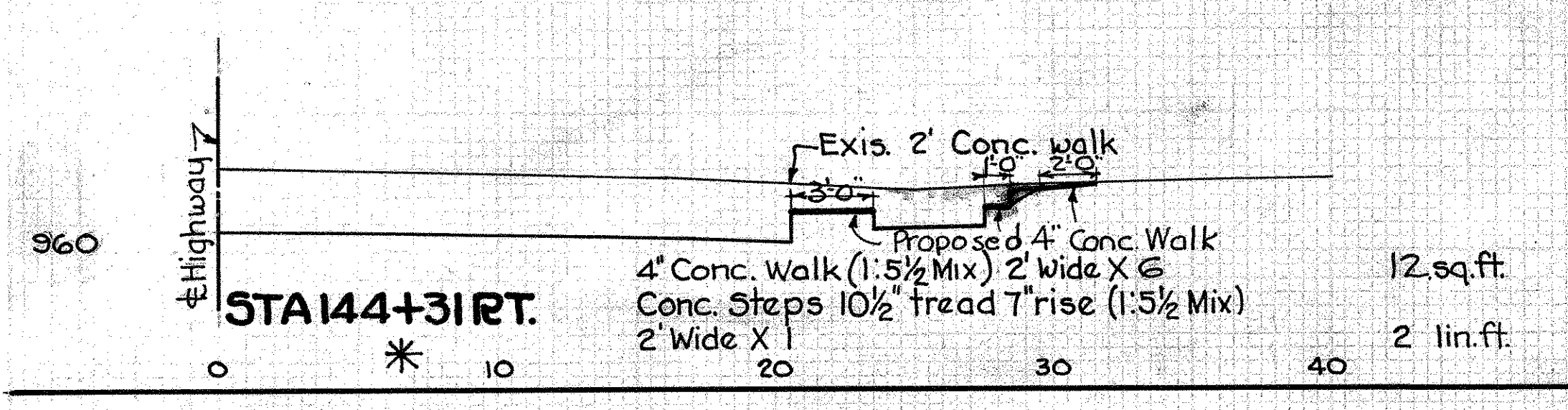
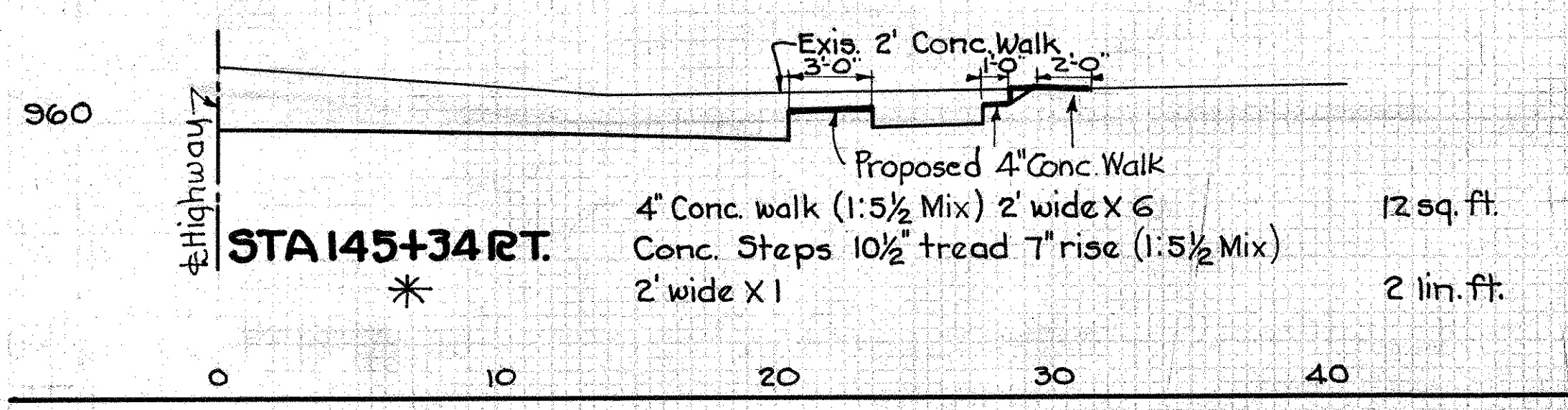
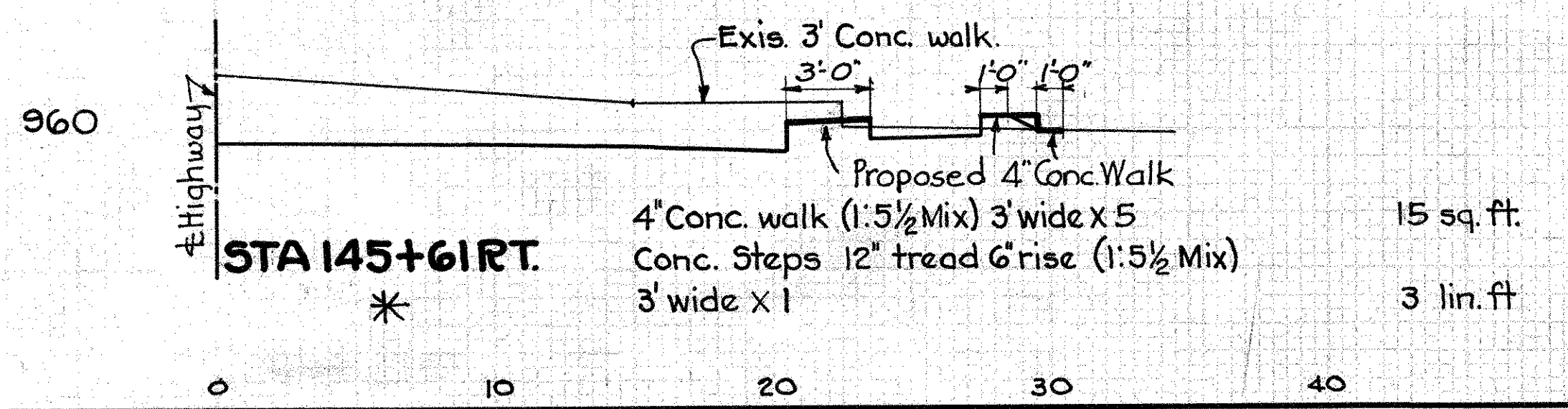
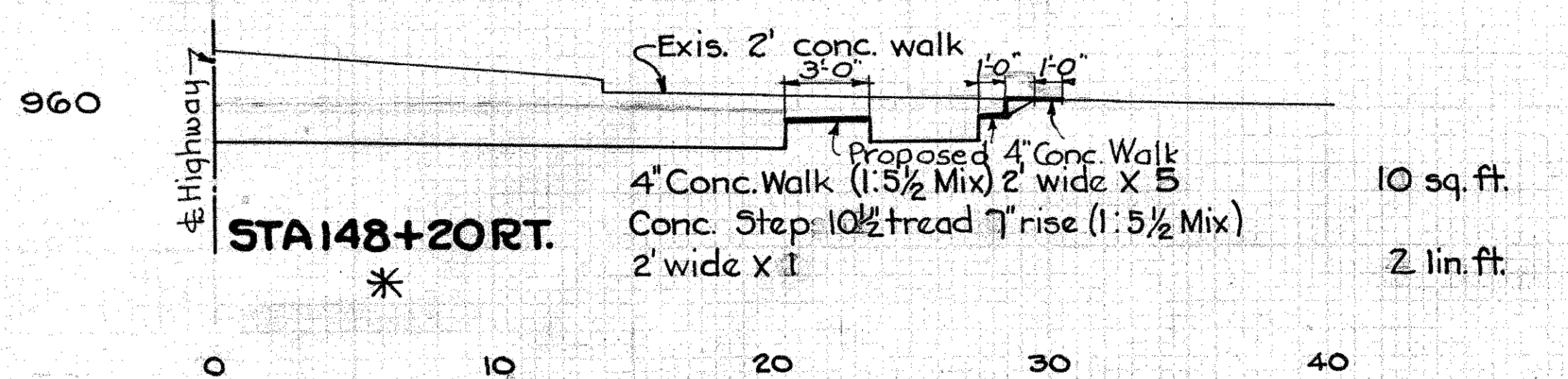
FED. AID DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	5-8-1-2	1933

55
62

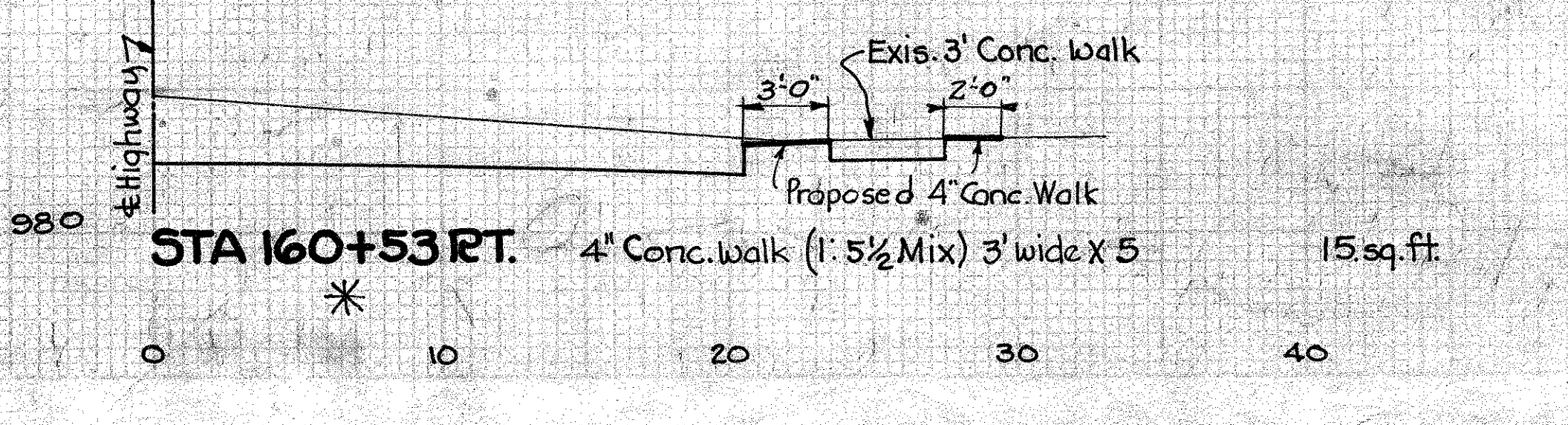
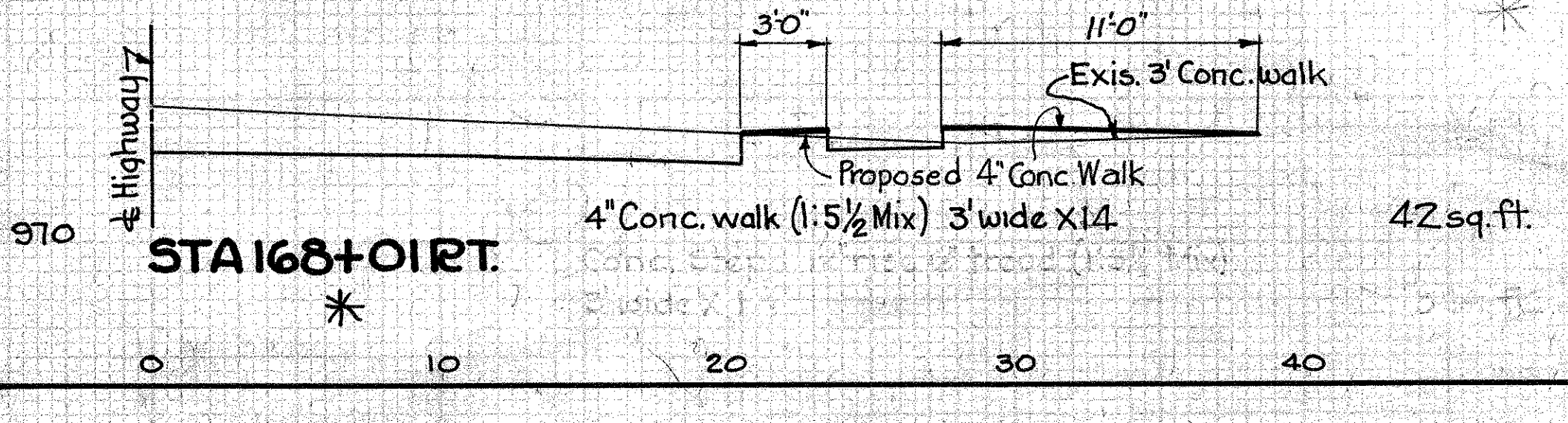
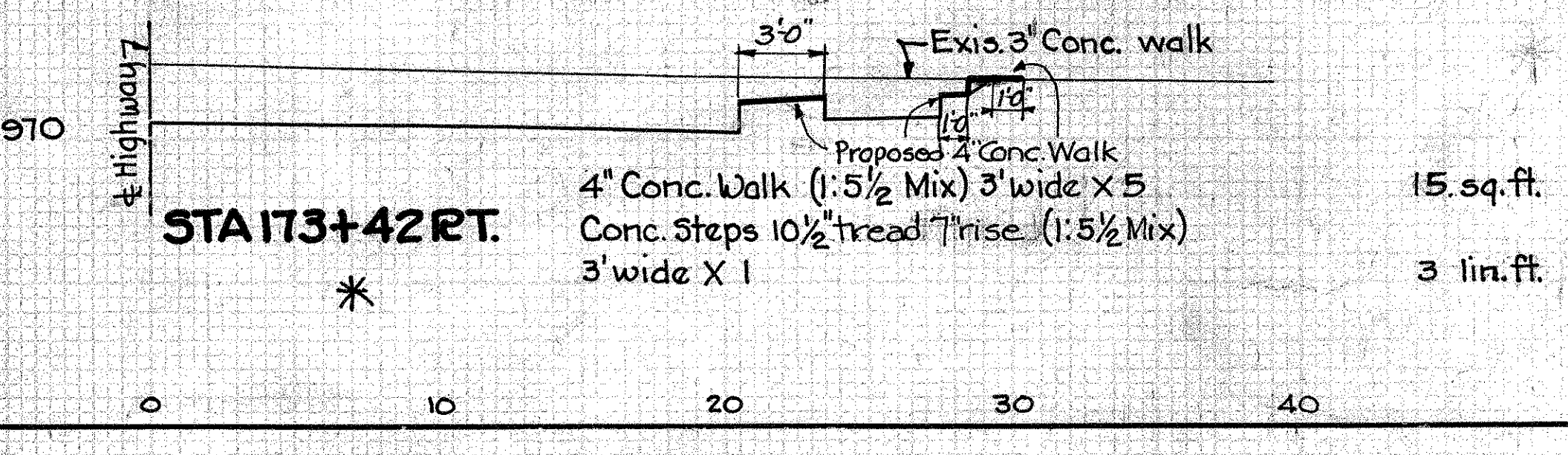
SH.65 SEC. B, PART SEC. C

MONTGOMERY COUNTY

* Note: Removal of portions of existing conc. walks to be included in price per sq. ft. of 4" Conc. Walk
See Sheet No. 54 for details of Conc. Walks & Conc. Steps.



SIDEWALKS & STEPS ON 41'-0" WIDTH PAV'T.



SIDEWALKS & STEPS ON 41'-0" WIDTH PAV'T.

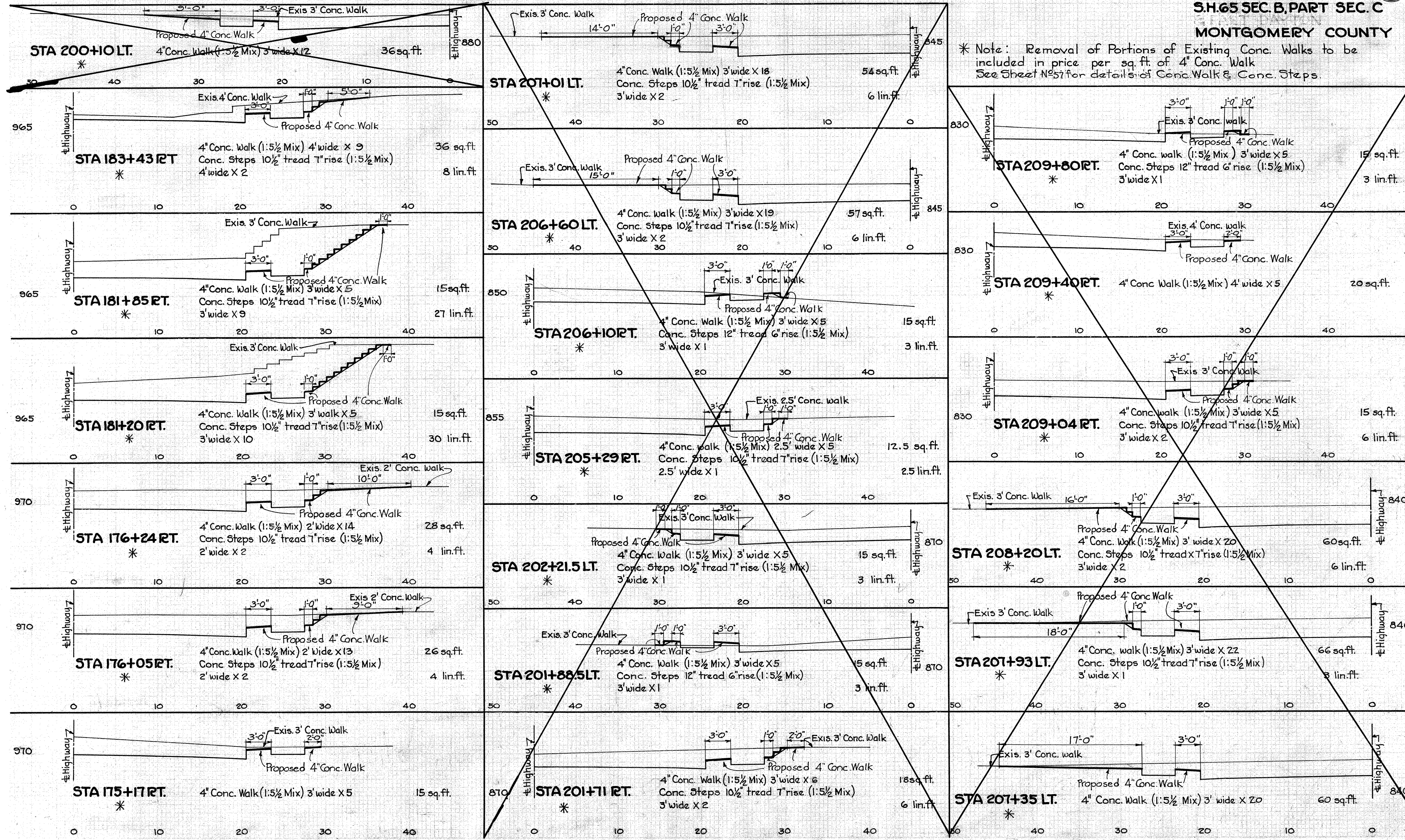
FED. AID DIST. NO. 10	STATE OHIO	FED. AID PROJ. NO. 73-1-2	FISCAL YEAR 1933
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56
82

S.H.65 SEC. B, PART SEC. C

MONTGOMERY COUNTY

* Note: Removal of Portions of Existing Conc. Walks to be included in price per sq. ft. of 4" Conc. Walk
See Sheet No. 57 for details of Conc. Walk & Conc. Steps.



STA 200+10 LT.

Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 12
36 sq. ft.

STA 207+01 LT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 18
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 2
54 sq. ft.
6 lin. ft.

STA 209+80 RT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 5
Conc. Steps 12" tread 6" rise (1:5 1/2 Mix)
3' wide X 1
15 sq. ft.
3 lin. ft.

STA 183+43 RT.

Exis. 4' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 4' wide X 9
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
4' wide X 2
36 sq. ft.
8 lin. ft.

STA 206+60 LT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 19
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 2
57 sq. ft.
6 lin. ft.

STA 209+40 RT.

Exis. 4' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 4' wide X 5
20 sq. ft.

STA 181+85 RT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 5
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 9
15 sq. ft.
27 lin. ft.

STA 206+10 RT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 5
Conc. Steps 12" tread 6" rise (1:5 1/2 Mix)
3' wide X 1
15 sq. ft.
3 lin. ft.

STA 209+04 RT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 5
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 2
15 sq. ft.
6 lin. ft.

STA 181+20 RT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 5
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 10
15 sq. ft.
30 lin. ft.

STA 205+29 RT.

Exis. 2.5' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 2.5' wide X 5
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
2.5' wide X 1
12.5 sq. ft.
2.5 lin. ft.

STA 208+20 LT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 20
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 2
60 sq. ft.
6 lin. ft.

STA 176+24 RT.

Exis. 2' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 2' wide X 14
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
2' wide X 2
28 sq. ft.
4 lin. ft.

STA 202+21.5 LT.

Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 5
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 1
15 sq. ft.
3 lin. ft.

STA 207+93 LT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 22
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 1
66 sq. ft.
3 lin. ft.

STA 176+05 RT.

Exis. 2' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 2' wide X 13
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
2' wide X 2
26 sq. ft.
4 lin. ft.

STA 201+88.5 LT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 5
Conc. Steps 12" tread 6" rise (1:5 1/2 Mix)
3' wide X 1
15 sq. ft.
3 lin. ft.

STA 207+35 LT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 20
60 sq. ft.

STA 175+17 RT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 5
15 sq. ft.

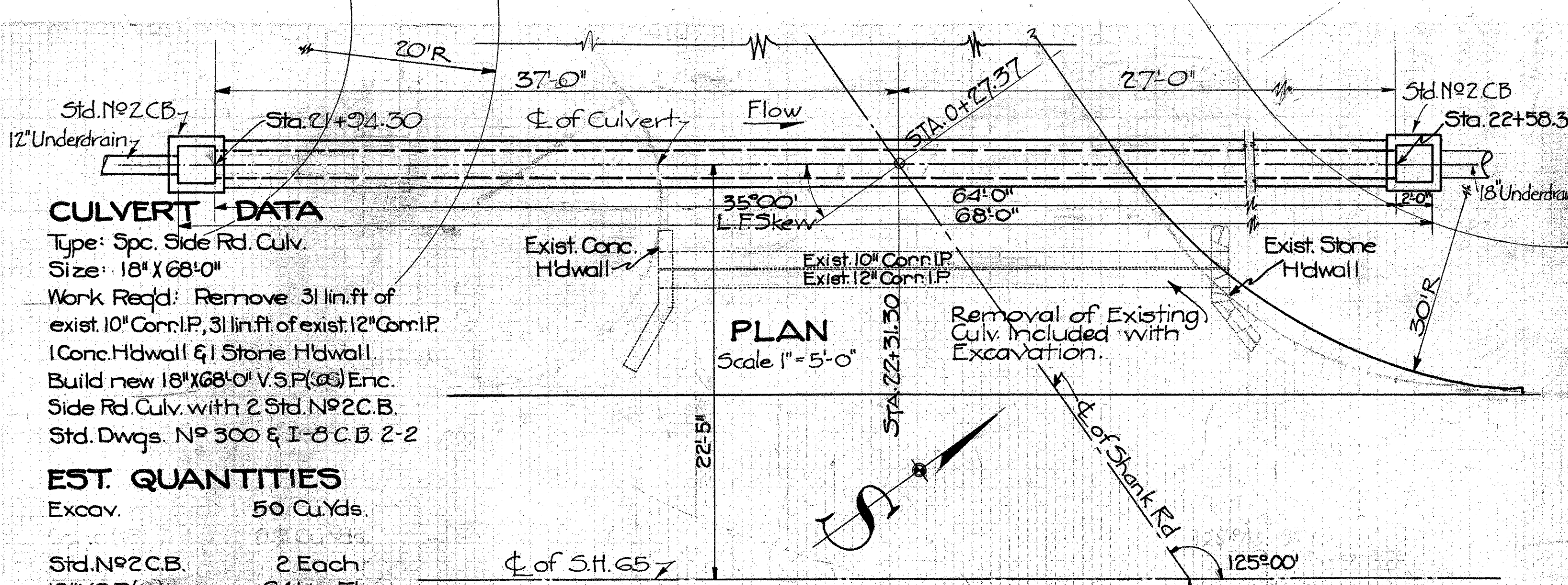
STA 201+11 RT.

Exis. 3' Conc. Walk
Proposed 4" Conc. Walk
4" Conc. Walk (1:5 1/2 Mix) 3' wide X 6
Conc. Steps 10 1/2" tread 7" rise (1:5 1/2 Mix)
3' wide X 2
18 sq. ft.
6 lin. ft.

FED.AID DIST.N ^o	STATE	FED.AID PROJ. YEAR	FISCAL YEAR
10	OHIO	681-6	1933

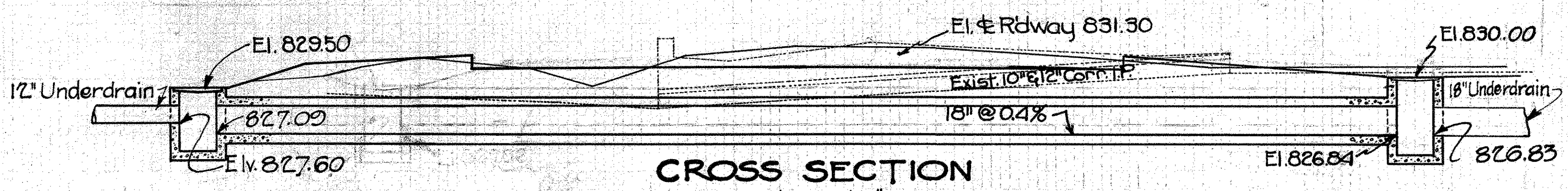
51
82

SH 65 SEC. B PT. C
MONTGOMERY COUNTY

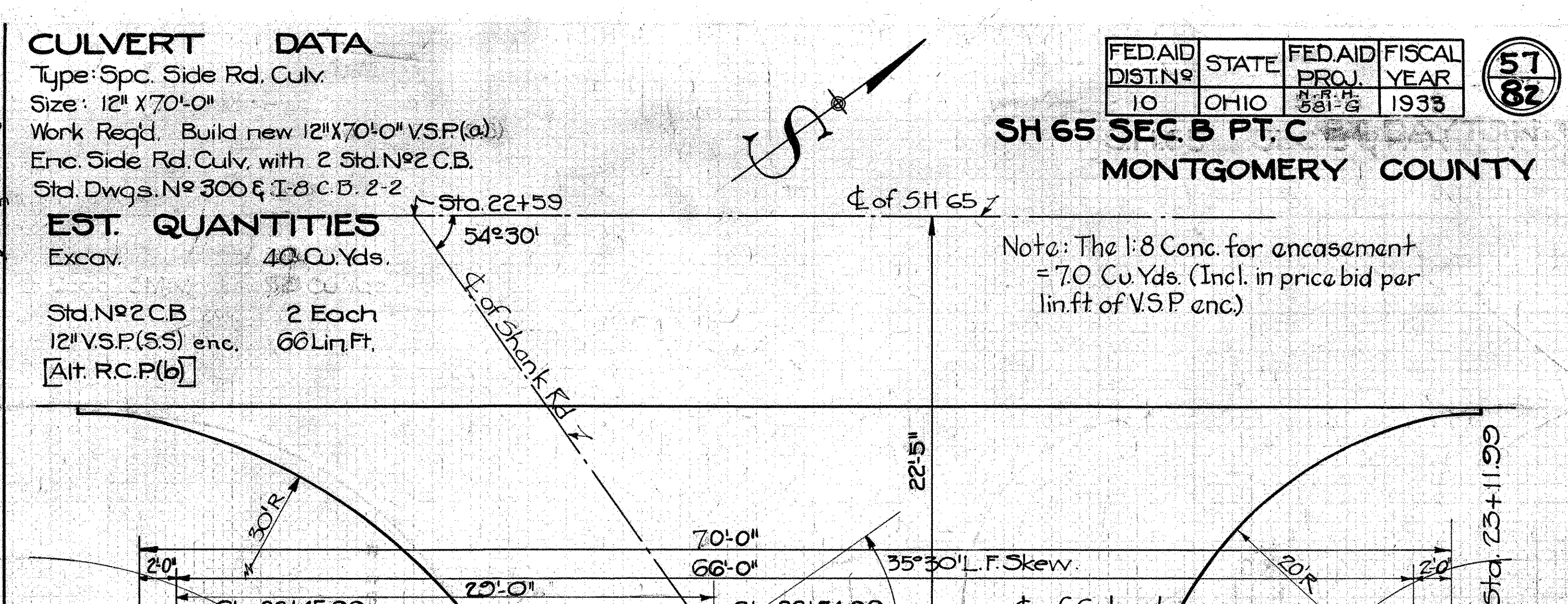


CULVERT DATA
Type: Spc. Side Rd. Culv.
Size: 18" X 68" 0"
Work Req'd: Remove 31 lin. ft. of exist. 10" Corrl.P., 31 lin. ft. of exist. 12" Corrl.P. 1 Conc. Hdwall & 1 Stone Hdwall. Build new 18" X 68" 0" V.S.P.(a) Enc. Side Rd. Culv. with 2 Std. N^o 2 C.B. Std. Dwgs. N^o 300 & I-8 C.B. 2-2

EST. QUANTITIES
Excav. 50 Cu.Yds.
Std. N^o 2 C.B. 2 Each
18" V.S.P.(a) enc. 64 Lin.Ft.
[Alt. R.C.P.(b)]

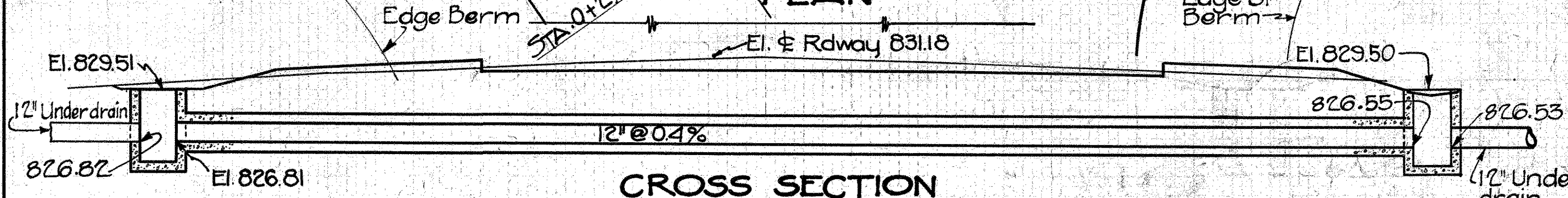


CROSS SECTION
Scale 1" = 5'-0"
3 STA. 22+47 Lt.
Note: The 1:8 Conc. for encasement = 9.7 Cu.Yds. (Incl. in price bid per lin. ft. of V.S.P. enc.)
Drawn by: J.W.B. 7-9-32
Checked by: E.E.D.

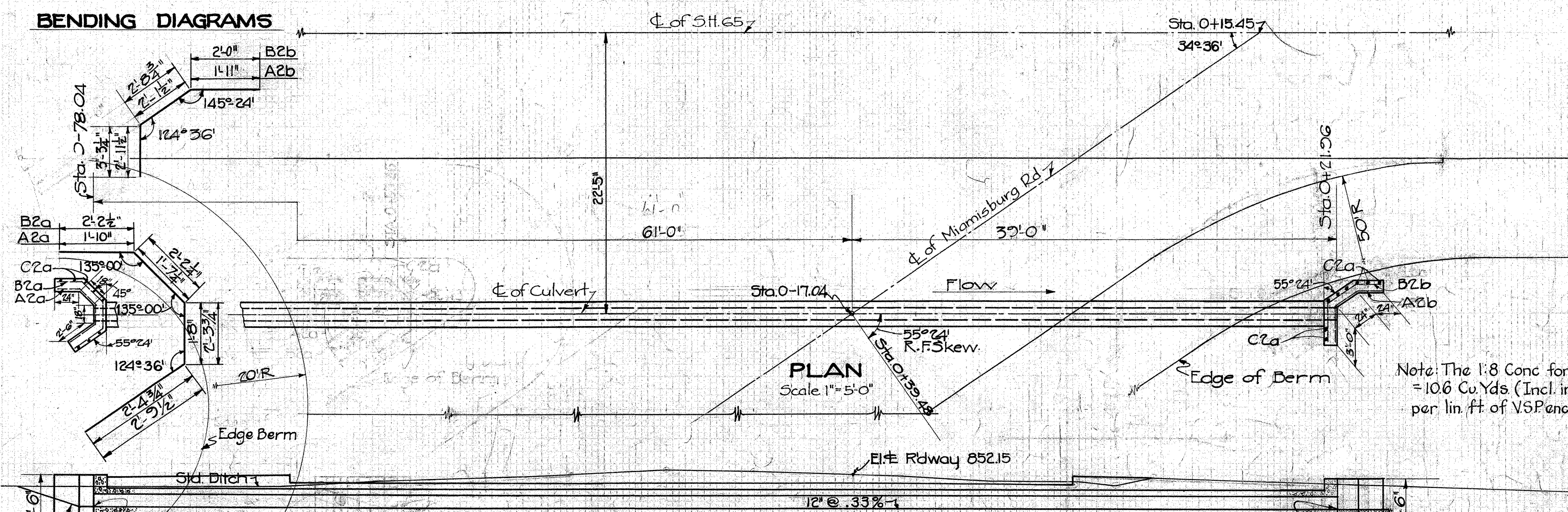


CULVERT DATA
Type: Spc. Side Rd. Culv.
Size: 12" X 70" 0"
Work Req'd. Build new 12" X 70" 0" V.S.P.(a) Enc. Side Rd. Culv. with 2 Std. N^o 2 C.B. Std. Dwgs. N^o 300 & I-8 C.B. 2-2

EST. QUANTITIES
Excav. 40 Cu.Yds.
Std. N^o 2 C.B. 2 Each
12" V.S.P.(a) enc. 66 Lin.Ft.
[Alt. R.C.P.(b)]



CROSS SECTION
Scale 1" = 5'-0"
4 STA. 22+59 Rt.
Note: The 1:8 Conc. for encasement = 7.0 Cu.Yds. (Incl. in price bid per lin. ft. of V.S.P. enc.)
Drawn by: J.W.B. 7-14-32
Checked by: E.E.D.



CROSS SECTION
Scale 1" = 5'-0"
1 STA. 0+15.45 Rt.
Note: The 1:8 Conc. for encasement = 10.6 Cu.Yds. (Incl. in price bid per lin. ft. of V.S.P. enc.)
Drawn by: J.W.B. 7-12-32
Checked by: E.E.D.

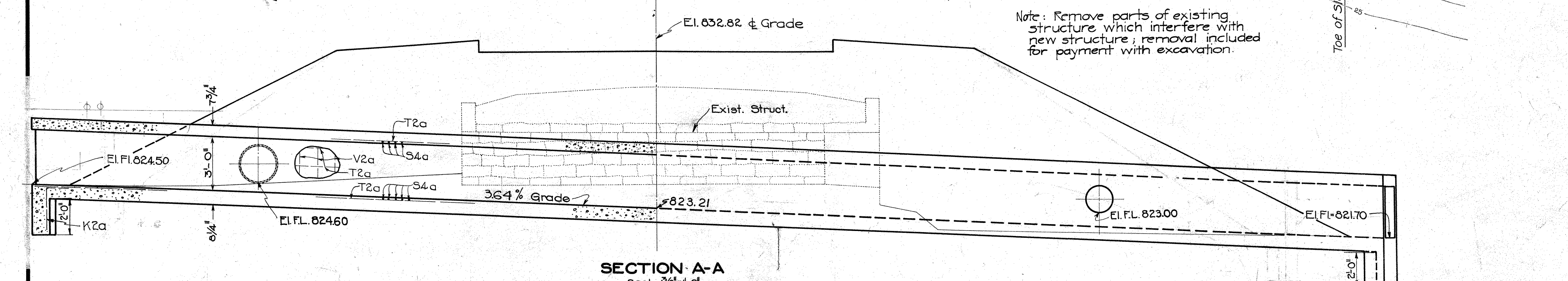
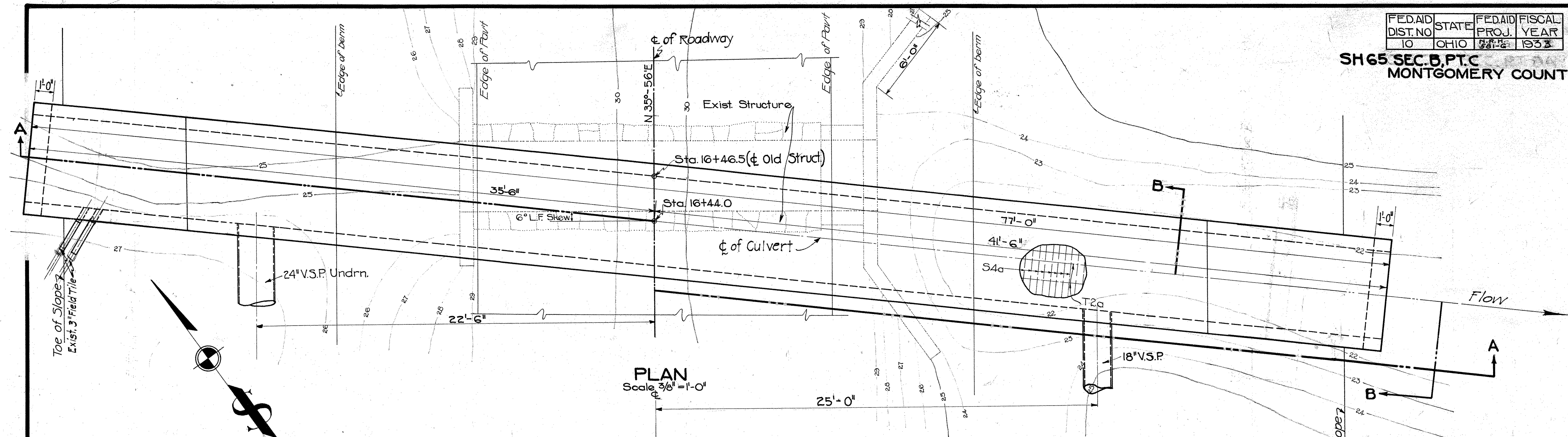
CULVERT DATA
Type: Spc. Side Rd. Culv.
Size: 12" X 100" 0"
Work Req'd. - Build new 12" X 100" 0" V.S.P.(a) Enc. Side Rd. Culv. with 2 Spc. Hdwalls Excavate Spc. Ditch at Inlet & Outlet Ends Std. Dwg. N^o 300.

EST. QUANTITIES
Excav. 57 Cu.Yds.
Conc. (1:5 1/2 Mix) 28 Cu.Yds.
Steel 64 Lb.
12" V.S.P.(a) enc. 100 Lin.Ft.
[Alt. R.C.P.(b)]

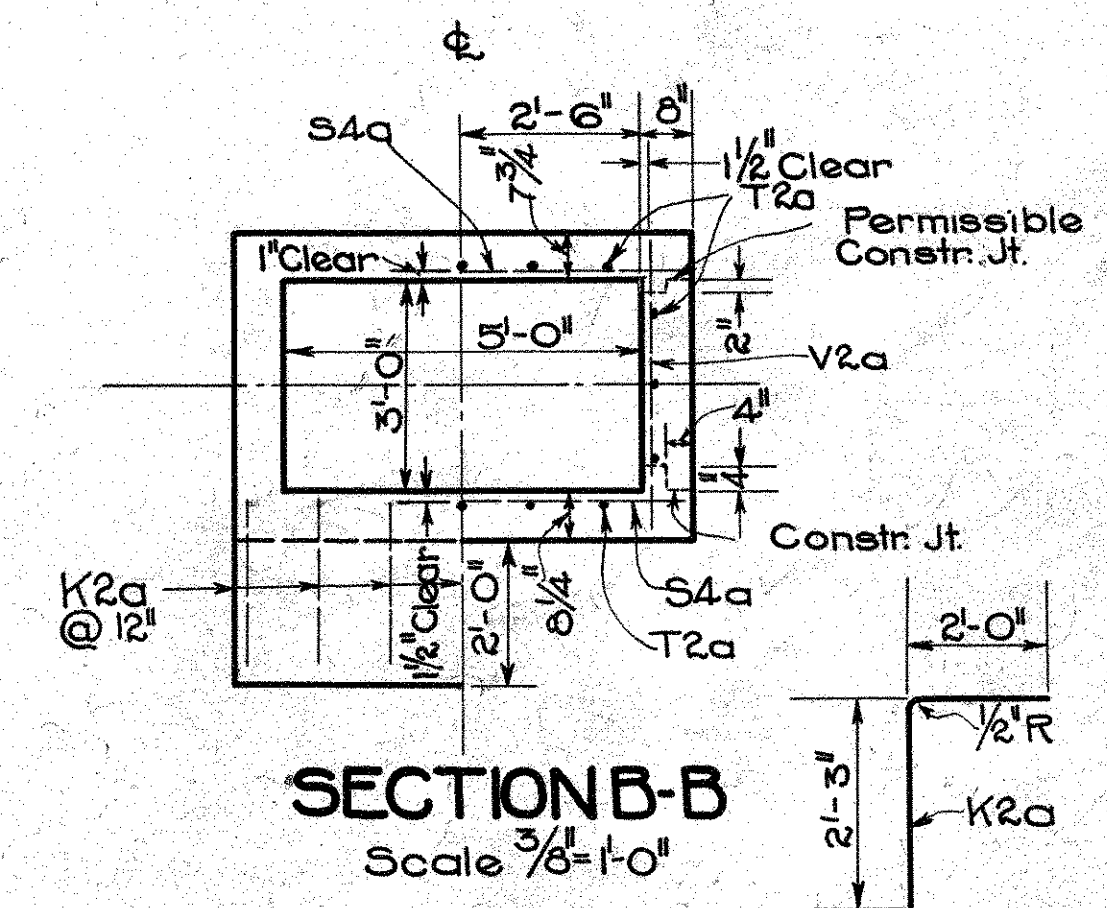
STEEL

Mark	Size	Shape	N ^o	Lgth	Spag	Wt.
A2a	1/2"	Bent	1	7'-6"		5
A2b	"	"	1	7'-0"		5
B2a	"	"	1	9'-6"		6
B2b	"	Bent	1	8'-0"		5
C2a	"	Strt.	16	4'-0"		43
Total						64

SH65 SEC. B, P.T.C
MONTGOMERY COUNTY



STEEL						
Mark	Size	Shape	No.	Lath	Sp'g	Wt.
S4a	5/8" φ	Strt.	410	6"-11"	4 1/2"	2604
V2a	1/2" φ	Strt.	154	4'-11"	1'-0"	420
T2a	1/2" φ	Strt.	32	39'-3"	As Shown	839
K2a	1/2" φ	Bent	14	4'-3"	1'-0"	40
Total =						3903



BENDING DIAGRAM

CULVERT DATA

TYPE: Std. Conc. Box Culv. Std. Drgs. DCA, CEA.
 SIZE: 5'-0" X 3'-0" X 77'-0"
 WORK REQD. Remove existing 4'-0" X 3'-0" X 23'-6" stone & conc. box culv. Build 5'-0" X 3'-0" X 77'-0" Std. Conc. Box Culv. skewed 6° L.F.

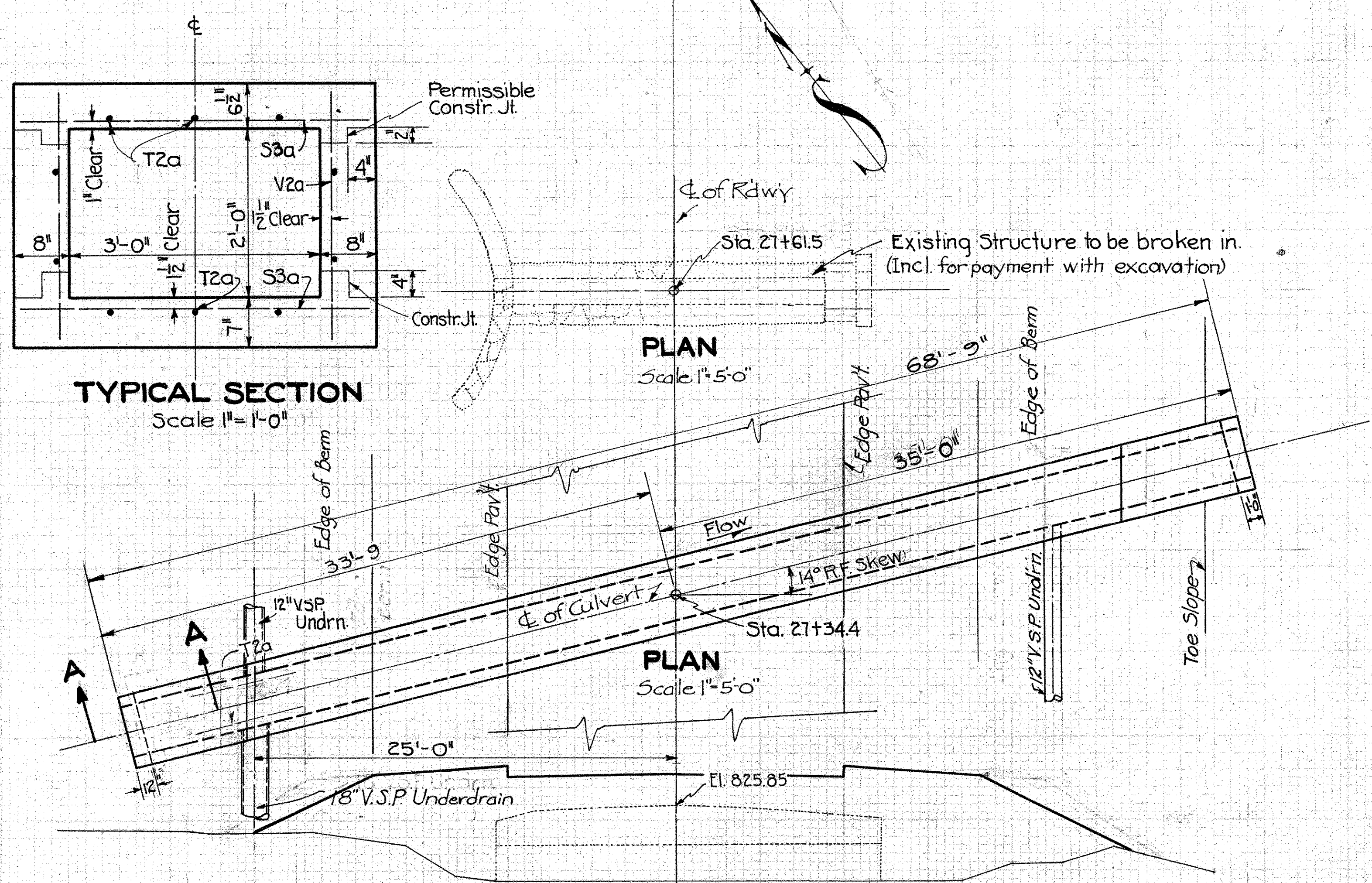
EST. QUANTITIES

Excavation _____ 50 Cu. Yd.
 Conc. (1:5 1/2 Mix) _____ 36.4 Cu. Yd.
 Steel _____ 3903 Lb.

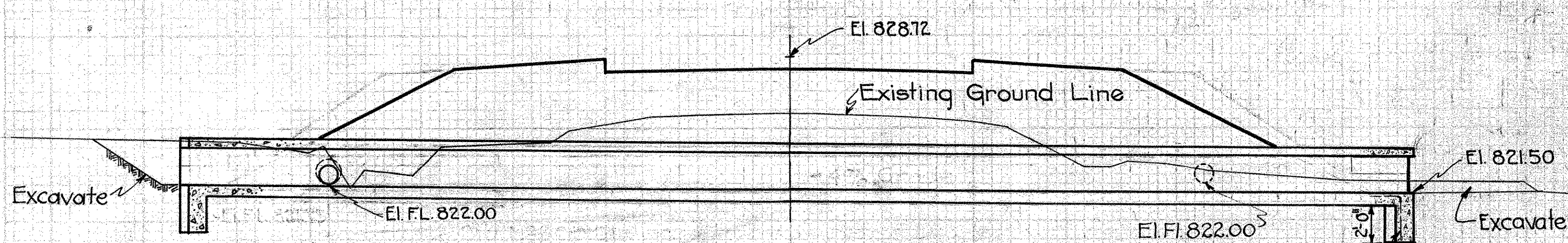
Drawn: 6/27/32 by R.H.
 Checked: 8/19/32 by R.H.H.

2 STA. 16+44.00

SH.65 SEC. B PT. C
MONTGOMERY COUNTY



CROSS-SECTION
Sta. 27+61.5
Scale 1"=5'-0"



CROSS-SECTION
Sta. 27+34.4
Scale 1"=5'-0"

CULVERT DATA

TYPE: Spc. Conc. Box Culv.
 SIZE: 3'-0" X 2'-0" X 68'-9"
 WORK REQD. Break in existing 1'-6" X 2'-0" X 22'-6" stone & conc. slab top culv. at sta. 27+61.5. Build spc. 3'-0" X 2'-0" X 68'-9" conc. box culv. skewed 14° R.F. at Sta. 27+34.4
 Std. Dwg. Nos. BC-A, CE-A

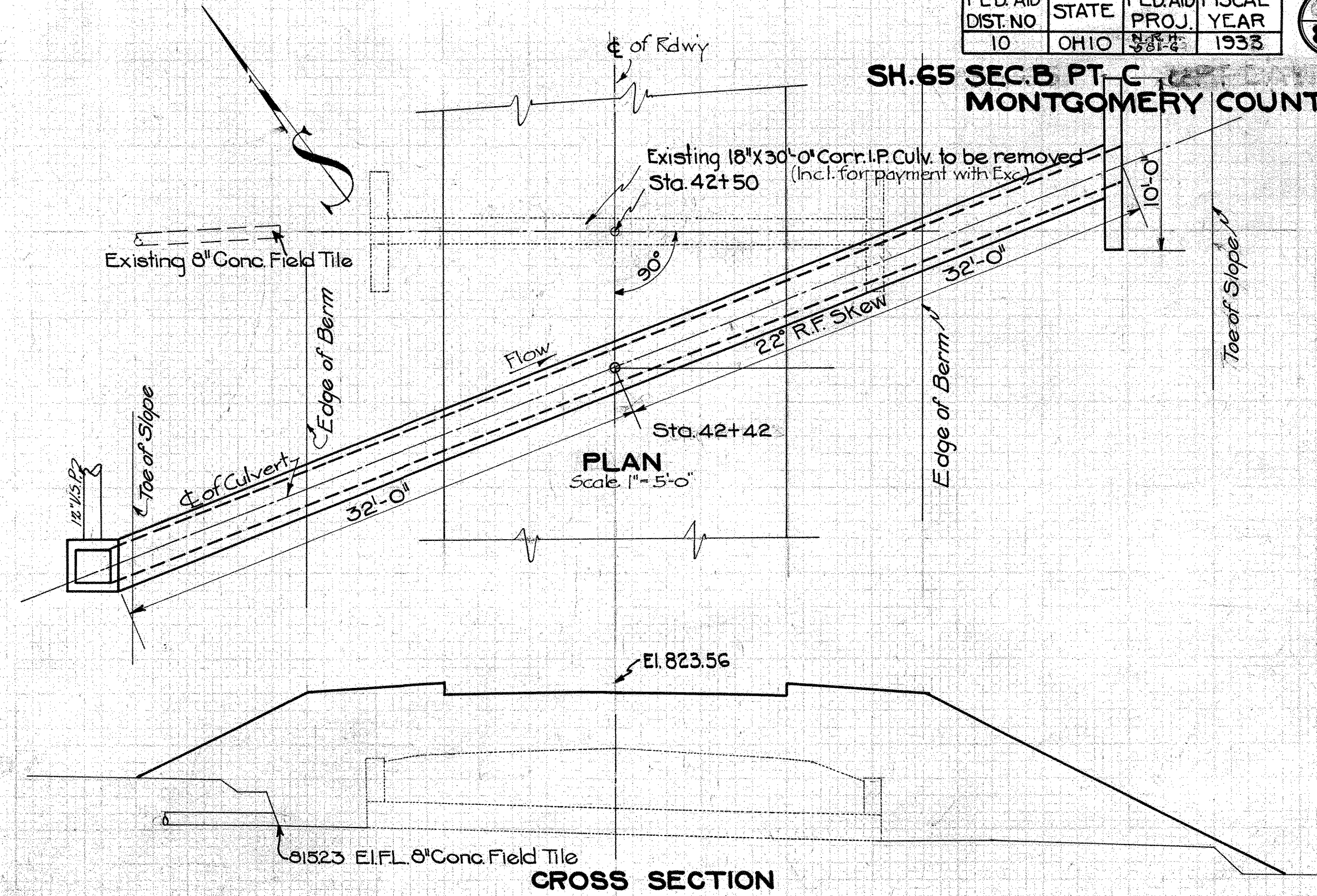
EST. QUANTITIES

Excavation 60 Cu. Yd.
 Conc. (1.5 1/2 Mix) 19.9 " "
 Steel 2010 Lbs.

STEEL						
Mark	Size	Shape	Nº	Lgth.	Spq.	Wt.
S3a	1/2" φ	Strt.	366	4'-1"	4 1/2"	1271
T2a	1/2" φ	"	20	35'-3"	"	471
V2a	1/2" φ	"	138	2'-9"	1'-0"	254
K2a	1/2" φ	Bent	10	4'-3"	"	14
Total						2010

Drawn 7/12/32 By R.H.
 Checked By E.E.D.

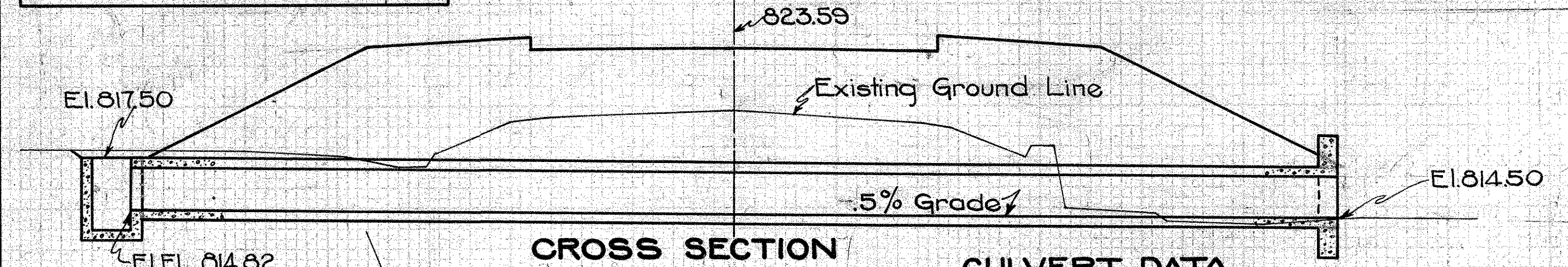
5 STA. 27+34.4



CROSS SECTION
Sta. 42+50
Scale 1"=5'-0"

STEEL					
Mark	Size	Shape	Nº	Lgth	Wt.
A2a	1/2" φ	Strt.	4	5'-6"	15
B2a	1/2" φ	"	7	9'-6"	44
Total					59

Note: The 1:8 Conc. for encasement = 12.9 Cu. Yds. (Incl. in price bid per lin. ft. of V.S.P. enc.)



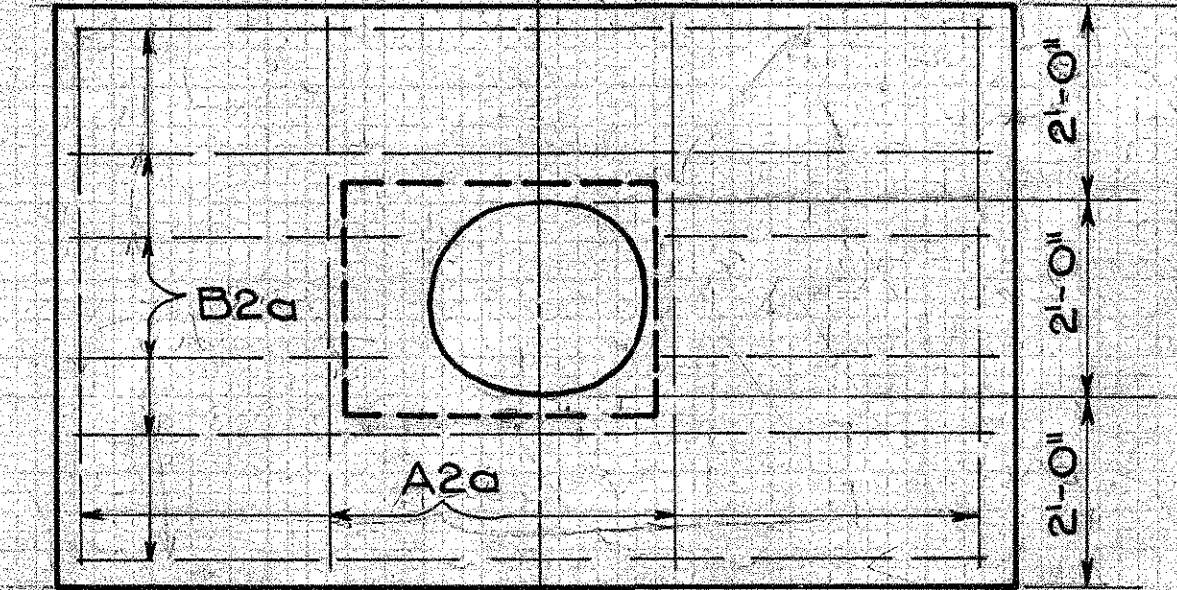
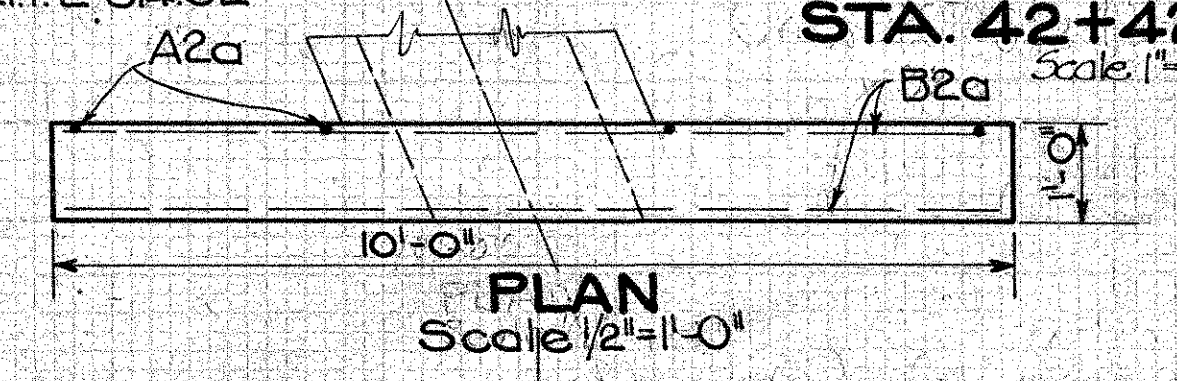
CROSS SECTION
Sta. 42+42
Scale 1"=5'-0"

CULVERT DATA

TYPE: Spc. V.S.P. Enc. Culv.
 SIZE: 24' X 66'-0"
 WORK REQD. Remove existing 18" X 30'-0" Corr. I.P. Culv. at Sta. 42+50. Build Spc. 24' X 66'-0" V.S.P. Enc. Culv. with Spc. Hdwall on rt. and Std. Nº 2' CB on Lt.
 Std. Dwg. Nos. BC-1, I-8CB-2-2

EST. QUANTITIES

Excavation 50 Cu. Yd.
 Conc. 1.5 1/2 (Mix) 22 Cu. Yd.
 Steel 59 Lbs.
 24' V.S.P. @ enc. 64 Lin. Ft.
 (Alt. R.C.P. (b))
 Std. Nº 2' CB 1 only

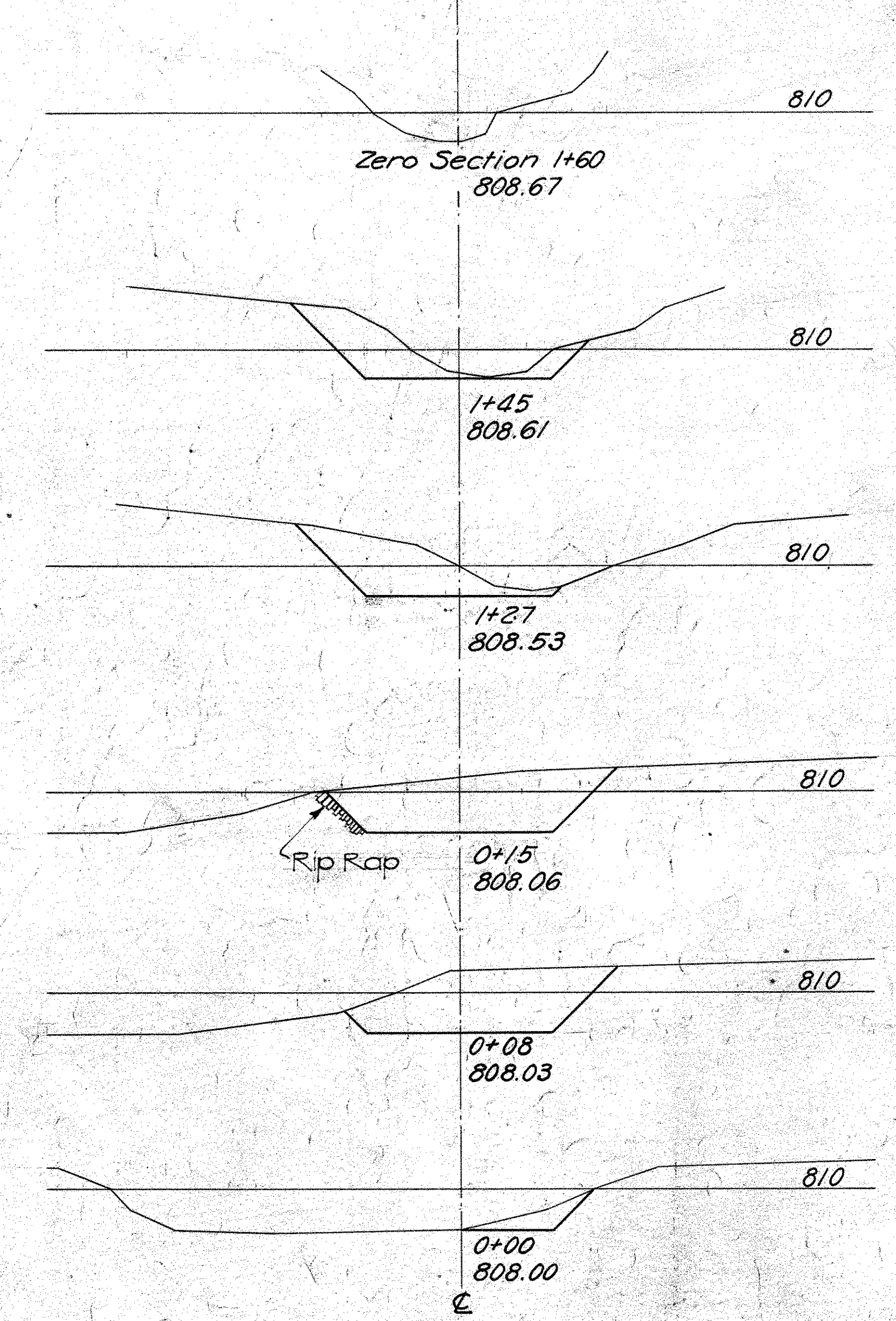
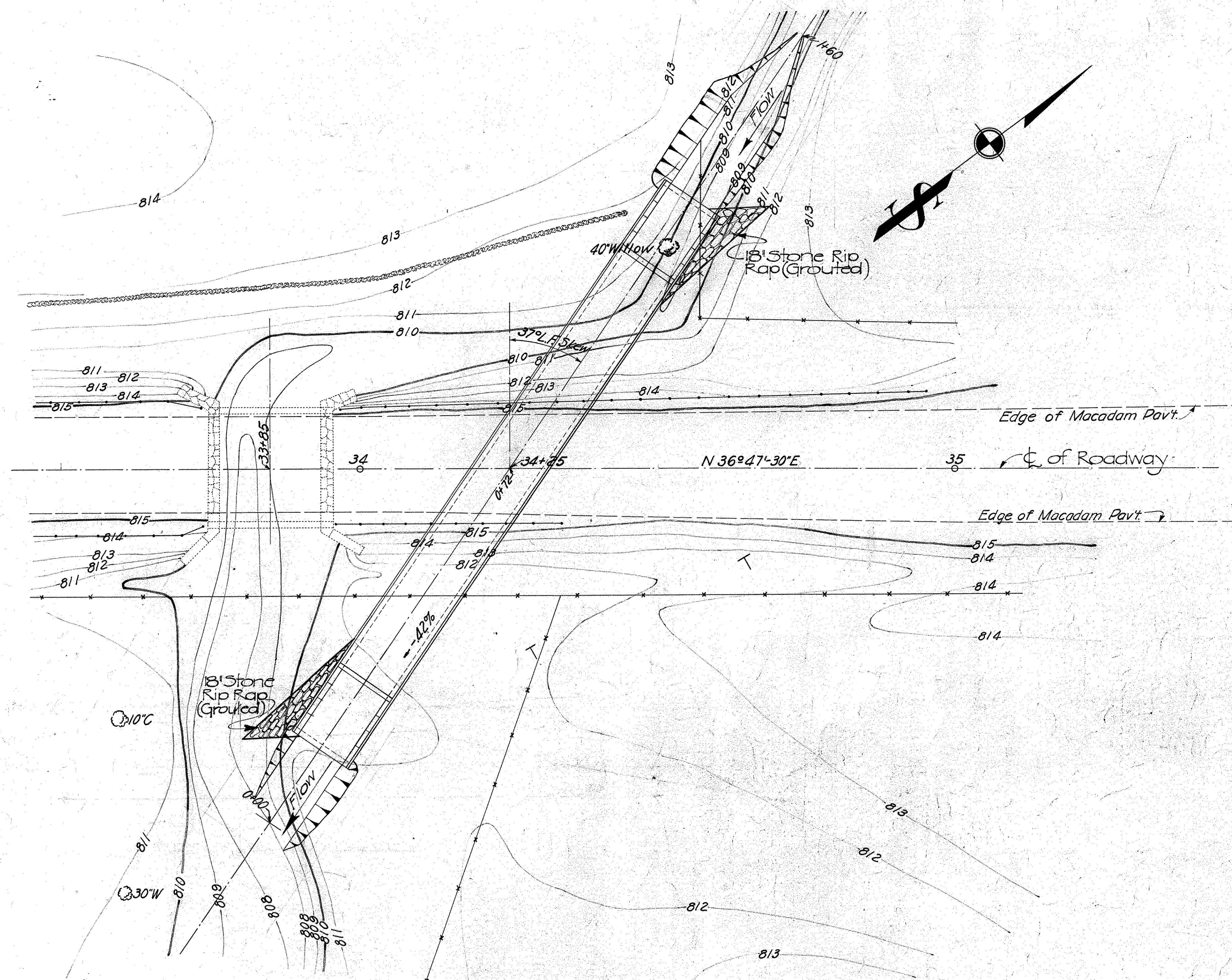


ELEVATION
Details of Spc. Hdwall

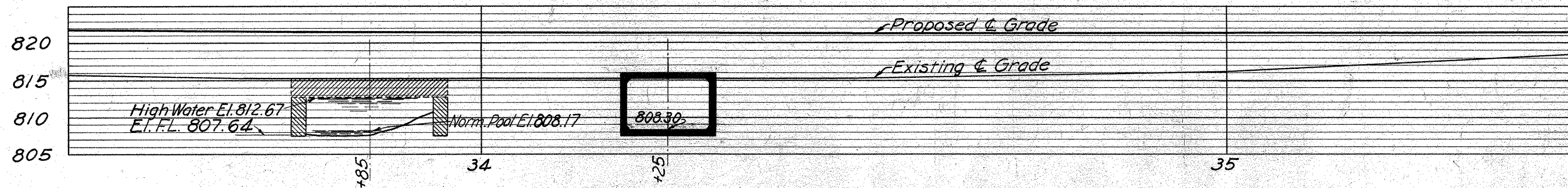
Drawn 7/27/32 By R.H.
 Checked By O.M.

7 STA. 42+42

CHANNEL EXCAVATION SH 65 SEC. B, PT. C
MONTGOMERY CO.



END AREA	Cu. Yds.
CUT	CUT
0	4
15.5	11.5
19	30
30	8
30	5
3	
TOTAL 28.5 C.Y.	

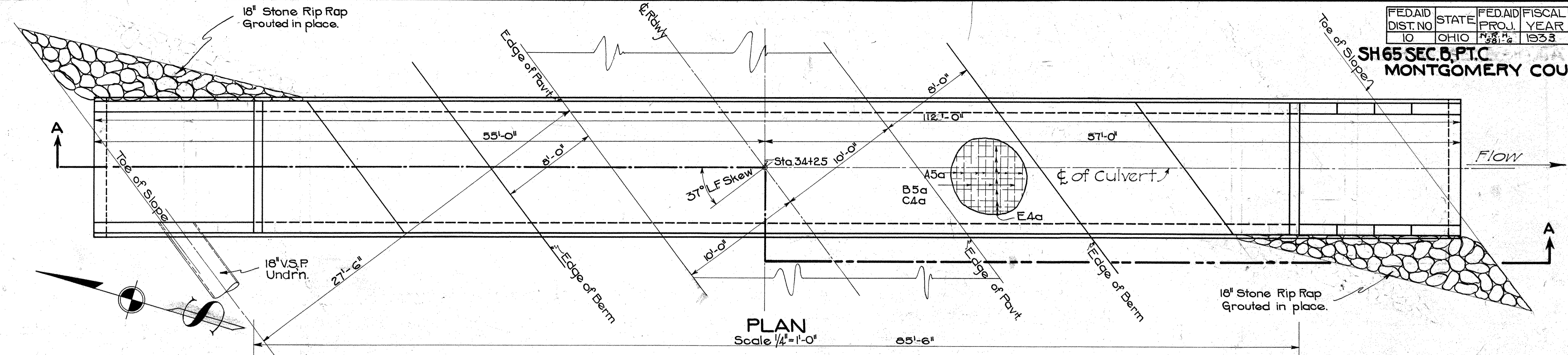


PROFILE ON ϕ ROADWAY
Scale = 1" = 10'
Horizontal & Vertical

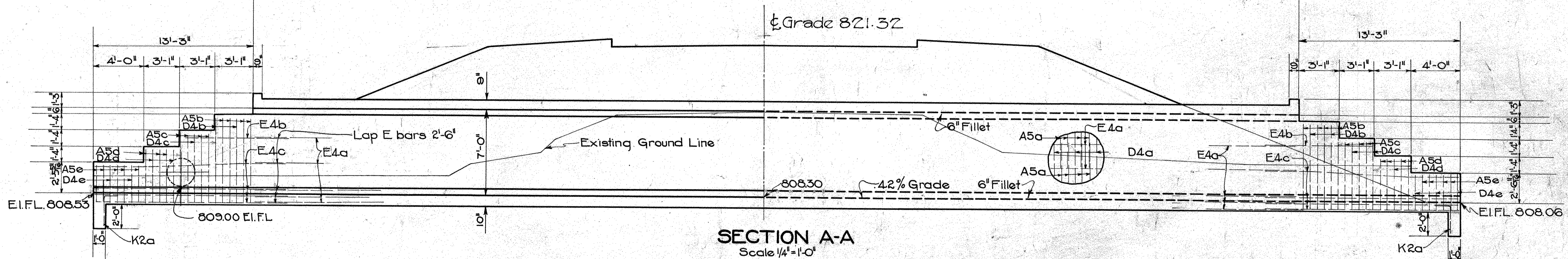
PRESENT BRIDGE DATA
HIGHWAY BRIDGE STRUCTURE
Type = Reinforced Concrete Slab Bridge
Span = 17.0 ft.
Width of Clear Roadway = 17.75 ft.
Substructure = Stone and concrete abutments and wings.
Condition = Poor
Flow Line Elev. = 807.67
Normal Pool Elev. = 808.17
High Water Elev. = 812.67
Drainage Area =
Required Waterway =
Present Waterway = 61 sq. ft.
Proposed Waterway = 63 sq. ft.

Be. No. Mo. 4-102
SITE PLAN
S.H. 65 SEC. B
9'-0" x 7'-0" x 112'-0"
BOX CULVERT AT STA. 34+25
MONTGOMERY COUNTY
SCALE 1"-10' JUNE 1932

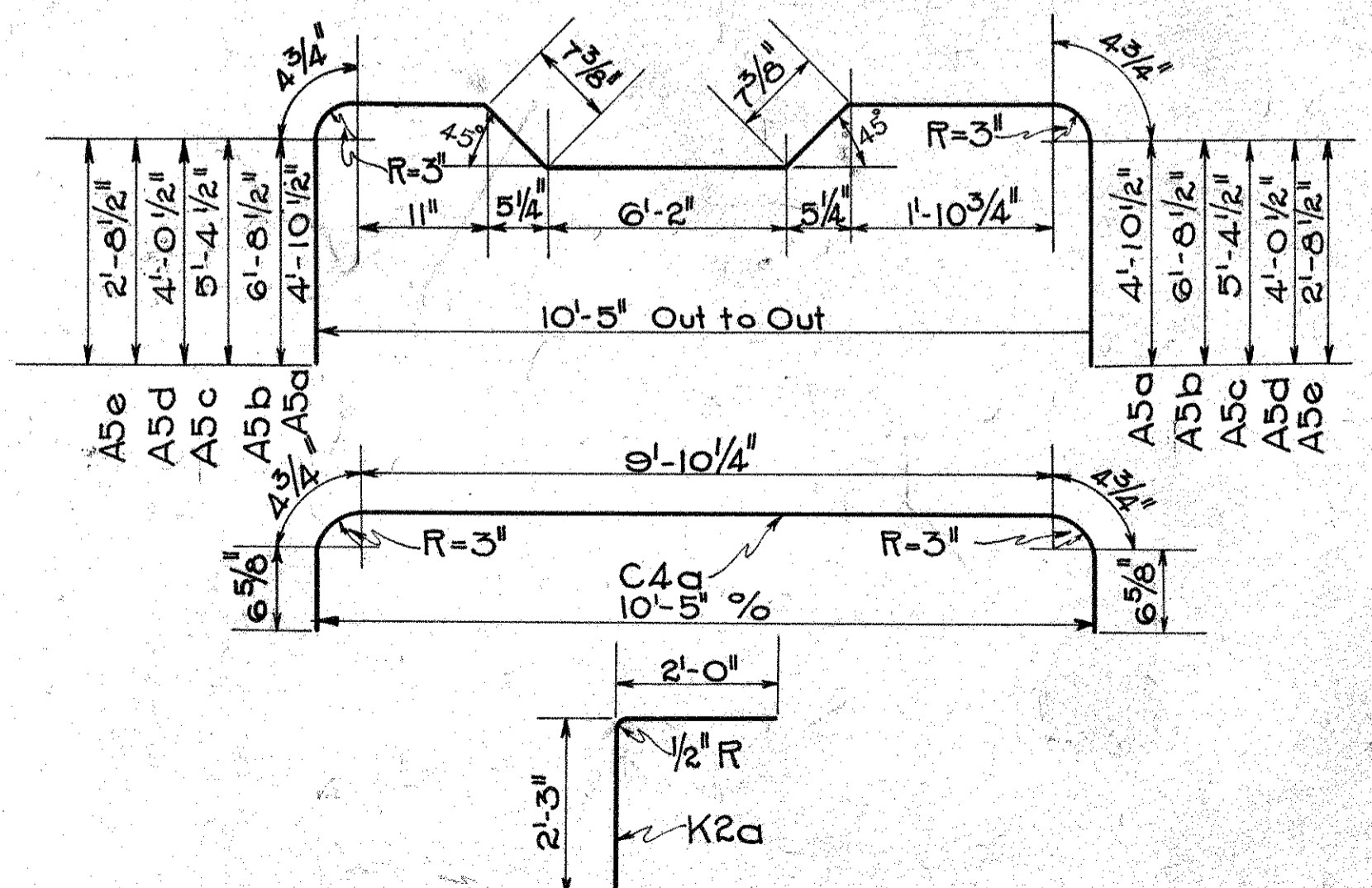
Present Topography	Proposed Work
Survey G.A.B.	Drawn G.R.H.
Traced P.C.M.	Drawn G.R.H.
	Checked R.H.H.



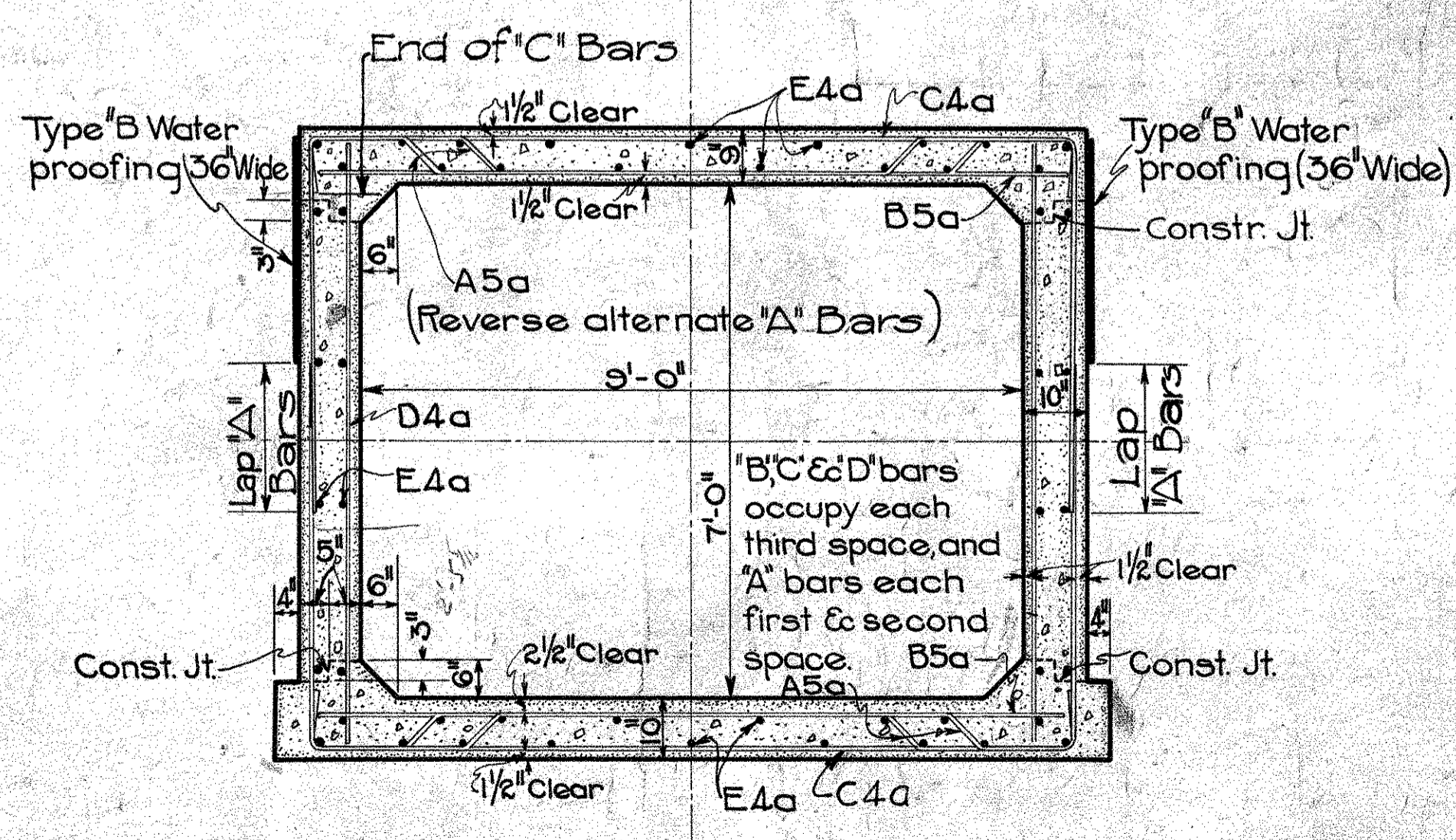
PLAN
Scale 1/4" = 1'-0" 85'-6"



SECTION A-A
Scale 1/4" = 1'-0"



BENDING DIAGRAMS



TYPICAL SECTION
Scale 1/2" = 1'-0"

STEEL						
Mark	Size	Shape	Nº	Lqth.	Spqg.	Wt.
A5a	3/4" φ	Bent	194	20'-9"	7'8 1/4"	6050
B5a	3/4" φ	Strt.	113	10'-3"	21"	1741
C4a	5/8" φ	Bent	113	11'-9"	21"	1386
D4a	5/8" φ	Strt.	98	8'-3"	21"	844
E4a	5/8" φ	"	100	44'-0"	As shown	4594
A5b	3/4" φ	Bent	8	24'-5"	7'8 1/4"	294
A5c	3/4" φ	"	7	21'-9"	"	229
A5d	3/4" φ	"	7	19'-1"	"	201
A5e	3/4" φ	"	9	16'-5"	"	222
D4b	5/8" φ	Strt.	4	7'-0"	21"	22
D4c	5/8" φ	"	3	5'-8"	"	18
D4d	5/8" φ	"	3	4'-4"	"	14
D4e	5/8" φ	"	5	3'-0"	"	16
E4b	5/8" φ	"	8	8'-5"	As shown	70
E4c	5/8" φ	"	50	15'-6"	"	802
K2a	1/2" φ	Bent	24	4'-3"	12"	68
Total						16585

CULVERT DATA
 TYPE: Std. Conc. Box Culv.
 SIZE: 9'-0" X 7'-0" X 112'-0"
 WORK REQD. Remove slab of exist. 17'-0" X 3'-9" X 18'-2" stone & conc. slab top culv. at sta. 33+85. Build new 9'-0" X 7'-0" X 112'-0" std. conc. box culv. Skewed 37° L.F. excavate channel & place 9.5 sq. yds. stone Rip Rap grouted. Std. Dwg. No. LBC-33 & C.E.-A

EST. QUANTITIES

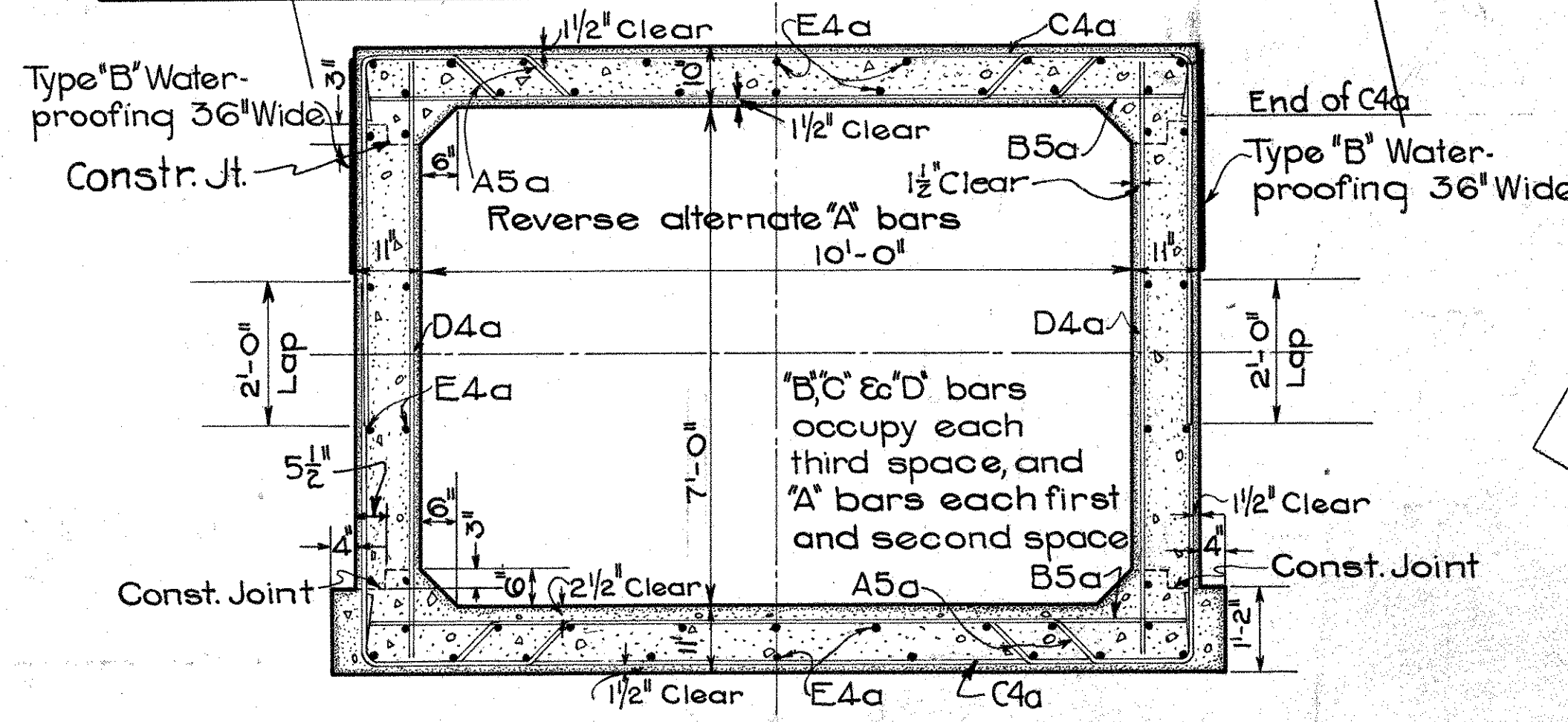
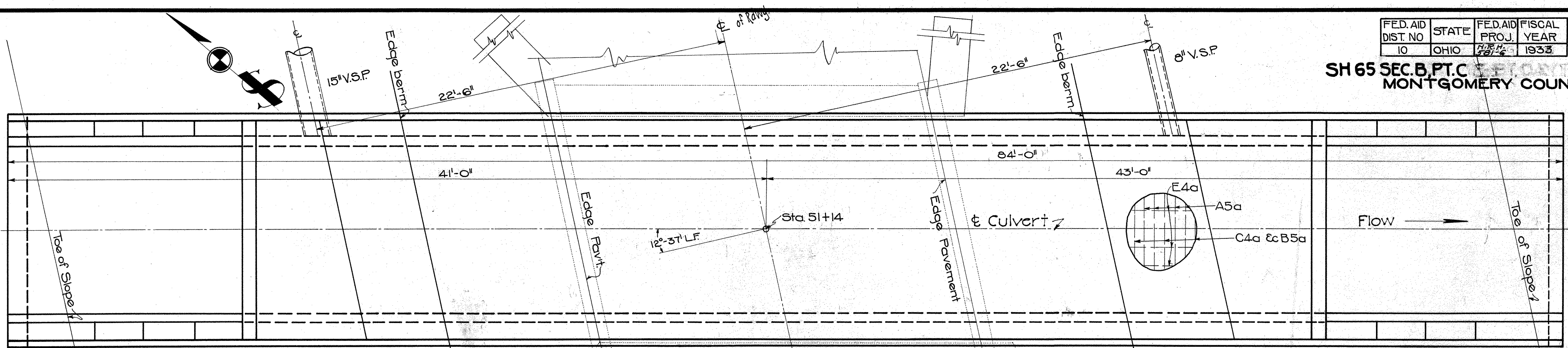
Removal parts of exist. struct.	Lump
Excavation	265 Cu. Yd.
Channel	28.5 Cu. Yd.
Conc. (1:5 1/2 Mix)	113.1 Cu. Yd.
Reinf. Steel	16585 Lbs.
Type "B" Waterproofing (36" Wide)	57 Sq. Yd.
18" Stone Rip Rap (Grouted in place)	9.5 Sq. Yd.

BR. N° MO-4-102

6 STA. 34+25

Drawn 7/6/32 By R.H.
 Checked 8/20/32 By R.H.H.

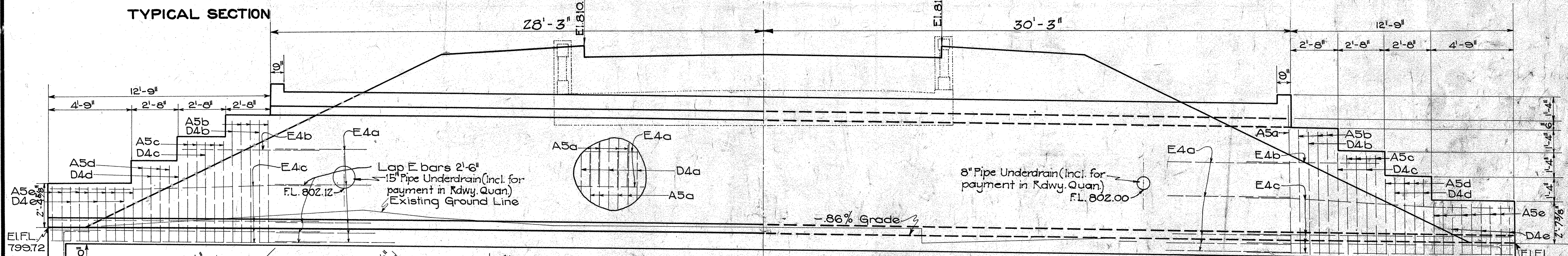
SH 65 SEC. B. P.T.C.
MONTGOMERY COUNTY



TYPICAL SECTION

STEEL						
Mark	Size	Shape	Nº	Lath	Spcq	Wt.
A5a	3/4"φ	Bent	144	22'-0"	6 1/2"	4762
A5b	3/4"φ	Bent	6	25'-9"	"	232
A5c	3/4"φ	"	7	23'-1"	"	243
A5d	3/4"φ	"	6	20'-5"	"	184
A5e	3/4"φ	"	13	17'-9"	"	347
B5a	3/4"φ	Strt.	88	11'-3"	19 1/2"	1488
C4a	5/8"φ	Bent	88	13'-0"	"	1194
D4a	5/8"φ	Strt.	72	8'-3"	"	620
D4b	5/8"φ	"	6	7'-0"	"	44
D4c	5/8"φ	"	6	5'-8"	"	35
D4d	5/8"φ	"	8	4'-4"	"	36
D4e	5/8"φ	"	12	3'-0"	"	38
E4a	5/8"φ	"	104	30'-3"	"	3284
E4b	5/8"φ	"	8	7'-10"	"	65
E4c	5/8"φ	"	52	15'-3"	"	828
K2a	1/2"φ	Bent	26	4'-3"	1'-0"	74
Total						13474

PLAN
Scale 3/8"=1'-0"



SEC. A-A
Scale 3/8"=1'-0"

CULVERT DATA

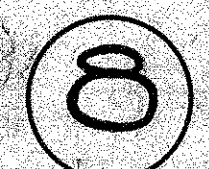
Type: Mod. Std. Conc. Box Culv.
Size: 10'-0" X 7'-0" X 84'-0"
WORK REQD: Remove parts of existing 12'-2 1/2" X 5'-6" X 21'-2 1/2" conc. slab top structure. Build 10'-0" X 7'-0" X 84'-0" conc. box culv.
Std. Dwgs No. LBC33, CE-A

EST. QUANTITIES

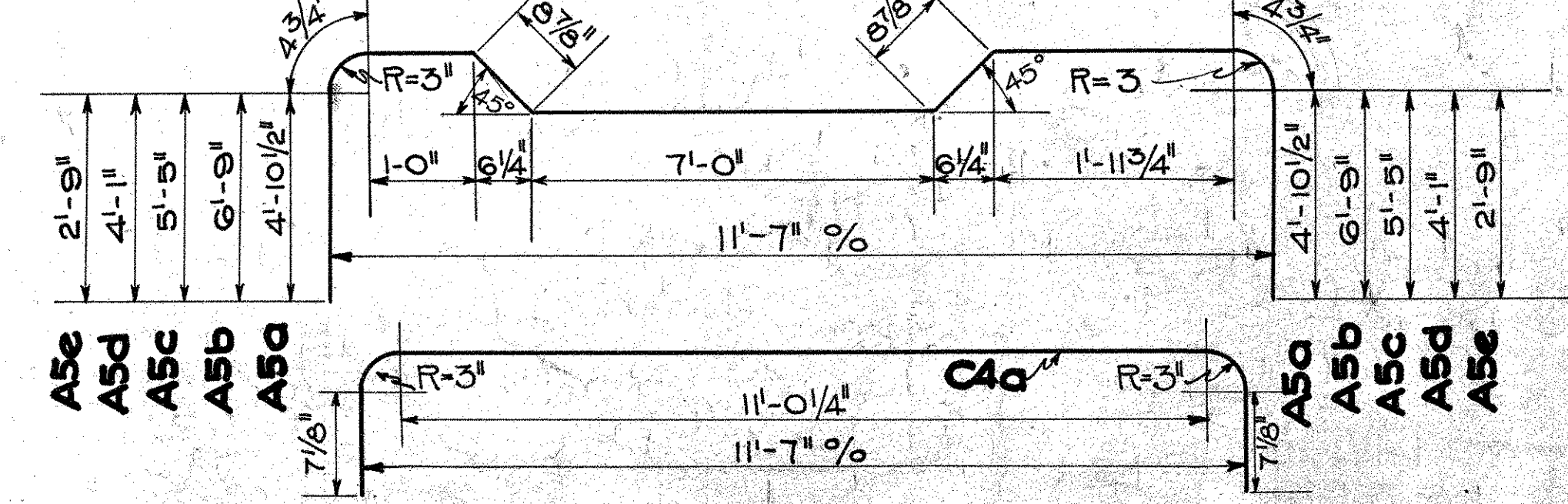
Removal of parts of existing struct.	Lump
Excavation	60 Cu. Yd.
Conc. (1:5/2 Mix)	96.1 "
Steel	13474 Lbs.
Type 'B' Waterproofing 36" Wide	39 Sq. Yd.

BR. N.º MO-4-105

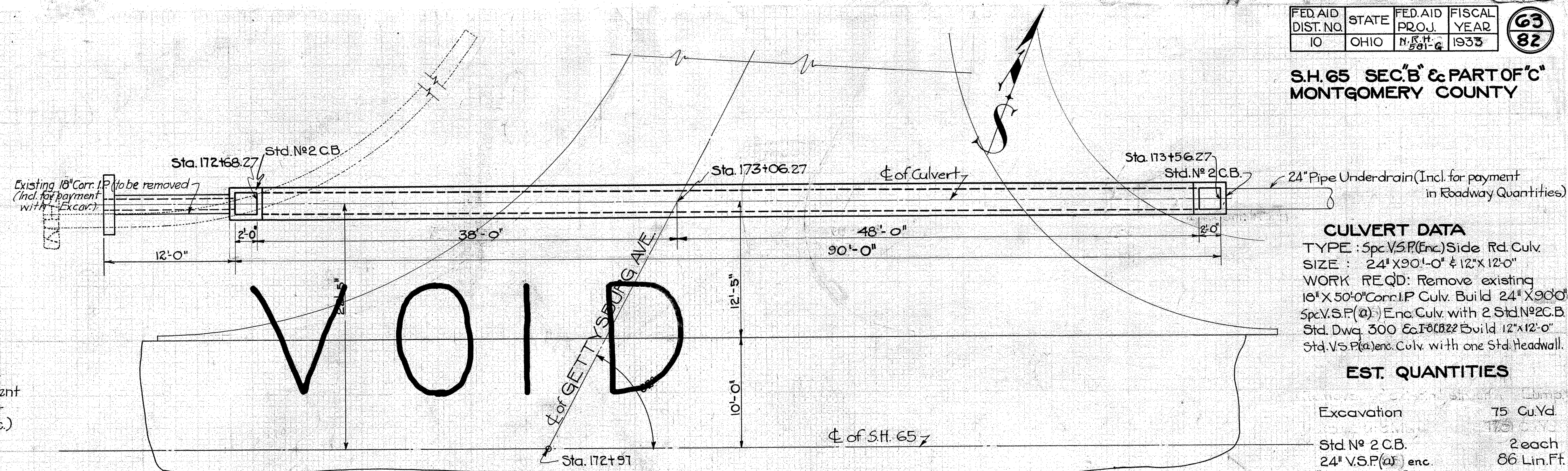
Drawn 7/1/32 By R.H.
Checked By O.T.M.



STA. 51+14



**S.H. 65 SEC. B & PART OF C
MONTGOMERY COUNTY**

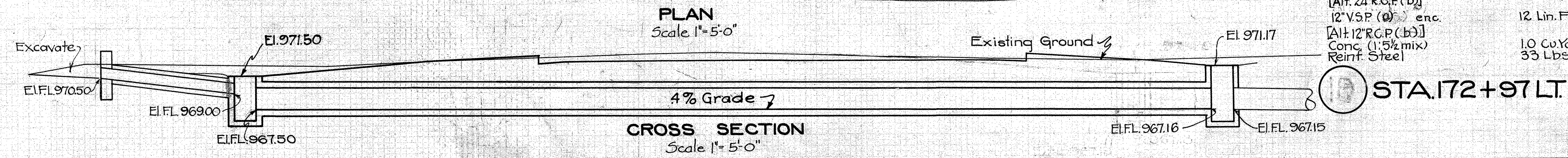


CULVERT DATA
 TYPE: Spc. V.S.P. (Enc.) Side Rd. Culv.
 SIZE: 24" X 90'-0" & 12" X 12'-0"
 WORK REQD: Remove existing 18" X 50'-0" Corr. I.P. Culv. Build 24" X 90' Spc. V.S.P. (a) Enc. Culv. with 2 Std. N^o 2 C.B. Std. Dwg. 300 & Co. I^o 822 Build 12" X 12'-0" Std. V.S.P. (a) enc. Culv. with one Std. Headwall.

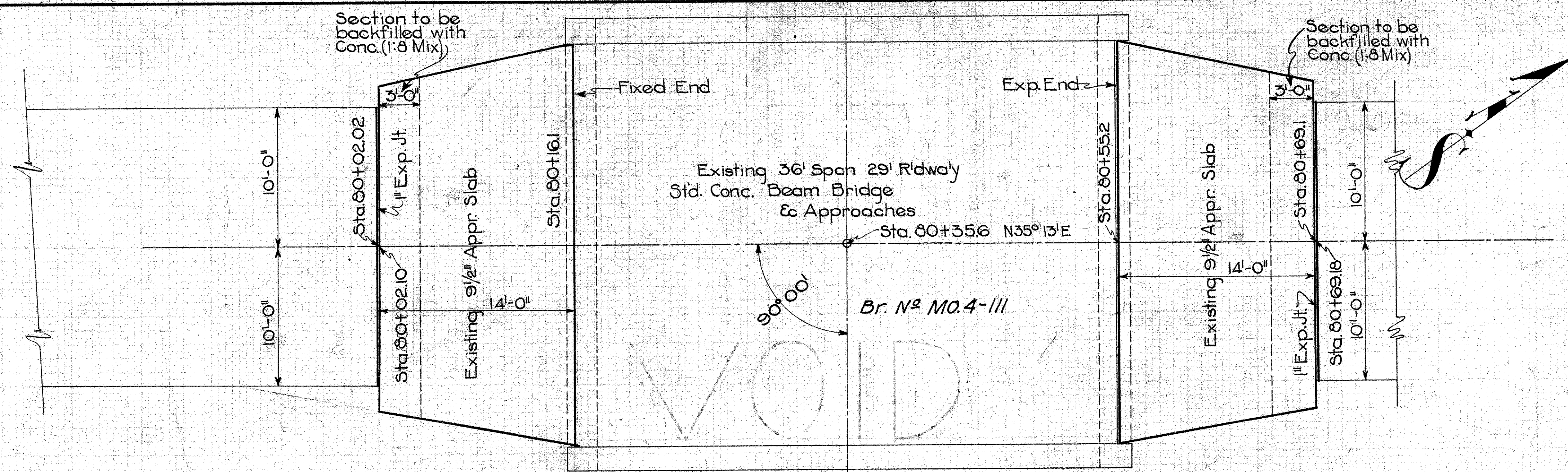
EST. QUANTITIES

Excavation	75 Cu. Yd.
Std. N ^o 2 C.B.	2 each
24" V.S.P. (a) enc.	86 Lin. Ft.
[Alt. 24" R.G.P. (b)]	
12" V.S.P. (a) enc.	12 Lin. Ft.
[Alt. 12" R.G.P. (b)]	
Conc. (1:5 1/2 mix)	1.0 Cu. Yds.
Reinf. Steel	33 Lbs.

Note: The 1:8 Conc. for encasement = 17.5 CU. Yds. (Incl. for payment in price bid per lin. ft. of V.S.P. enc.)



Drawn 7/26/32 By R.H.
Checked By O.T.M.



GENERAL NOTES

Method used in adjusting elevations of end of existing reinf. conc. approach slabs to be approved by the Engineer.

Mud jacks may be used to adjust elevation of slabs.

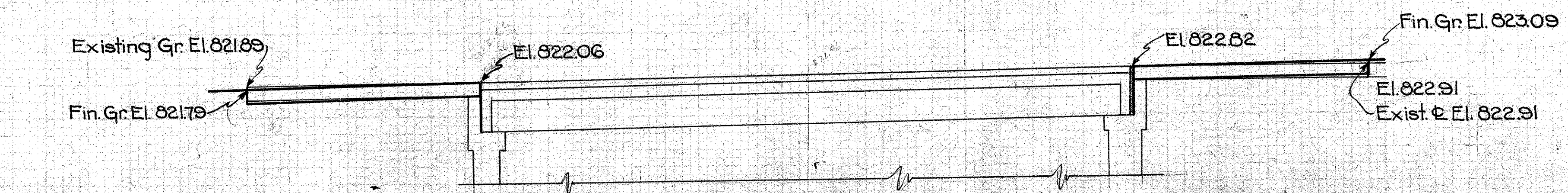
Any excavated area within 3 ft. from end of approach shall be backfilled with conc. (1:8 Mix) incl. for payment with adjusting slabs.

Payment for 1" expansion joint between roadway pavement and approach slab incl. in lump sum for adjusting approach slabs.

Any necessary excavation incl. in lump sum for adjusting approach slabs.

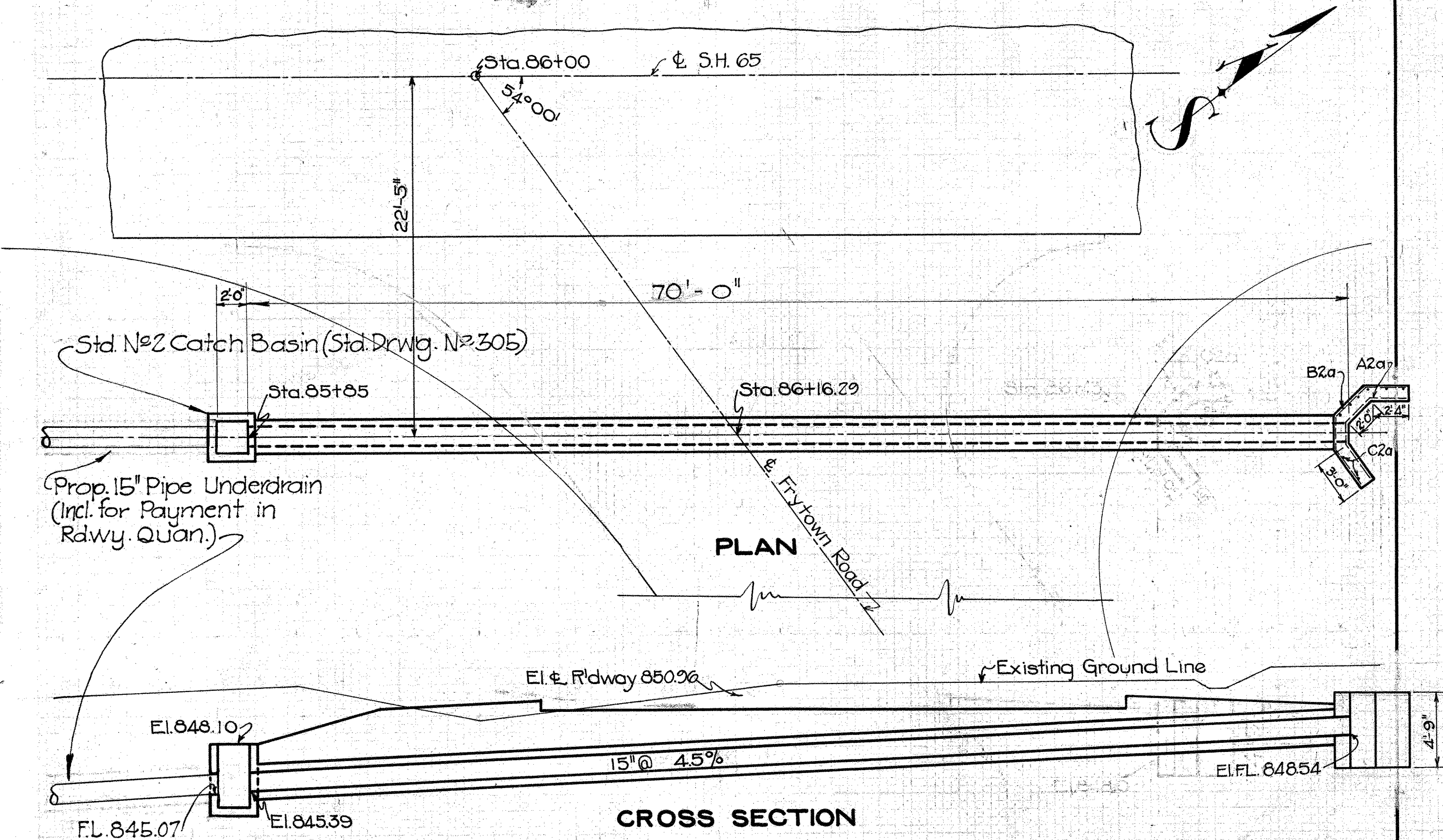
EST. QUANTITIES

Adjusting Appr. Slabs to Grade	Lump
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Drawn 7/26/32 By R.H.
Checked By

SH 65 SEC. B PT. C & PT. DAYTON
MONTGOMERY COUNTY



PLAN

CROSS SECTION

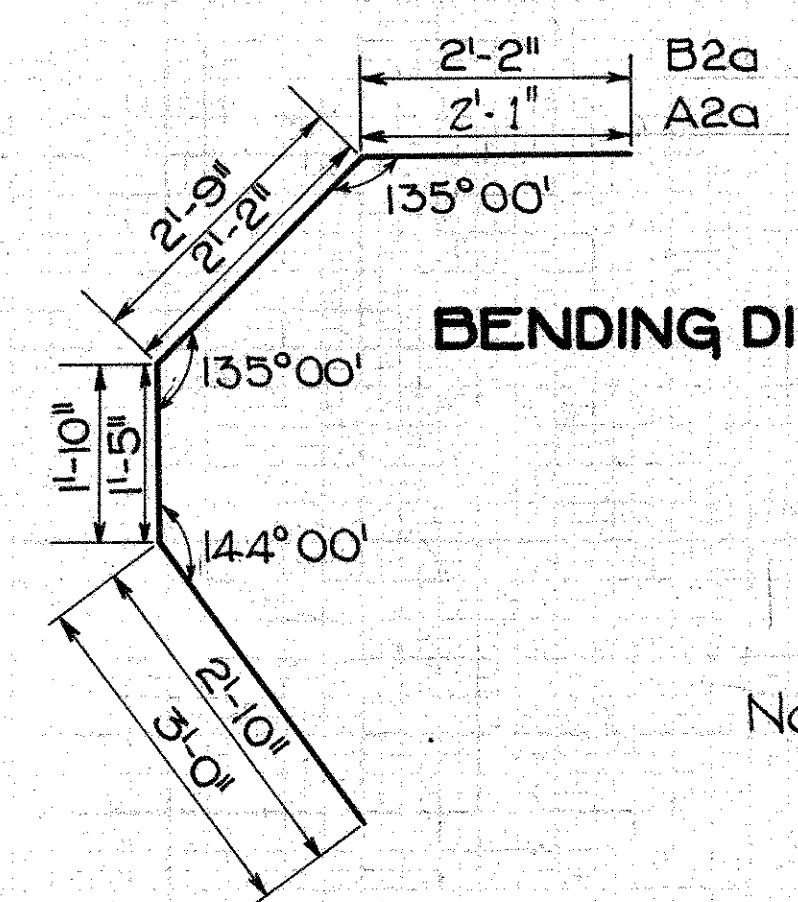
CULVERT DATA

Type: Spc. Side Rd. Culv.
 Size: 15" X 72" L-O"
 Work Reqd: Build 15" X 72" L-O" V.S.P.
 Enc. Spc. Side Rd. Culv. with Std. No. 2 C.B. on Lt.
 & 1 Spc. H'dwall. on Rt. Std. Drgs. 527-2 & 10CB.22

EST. QUANTITIES

Excavation 35 Cu.Yds.
 Conc. (1:5 1/2 Mix) 1.6 Cu.Yds.
 Steel 36 Lbs
 Std. No. 2 C.B. 1 only
 15" V.S.P. (a) enc. 70 Lin. Ft.
 Alt. R.C.P. (b)

BENDING DIAGRAM



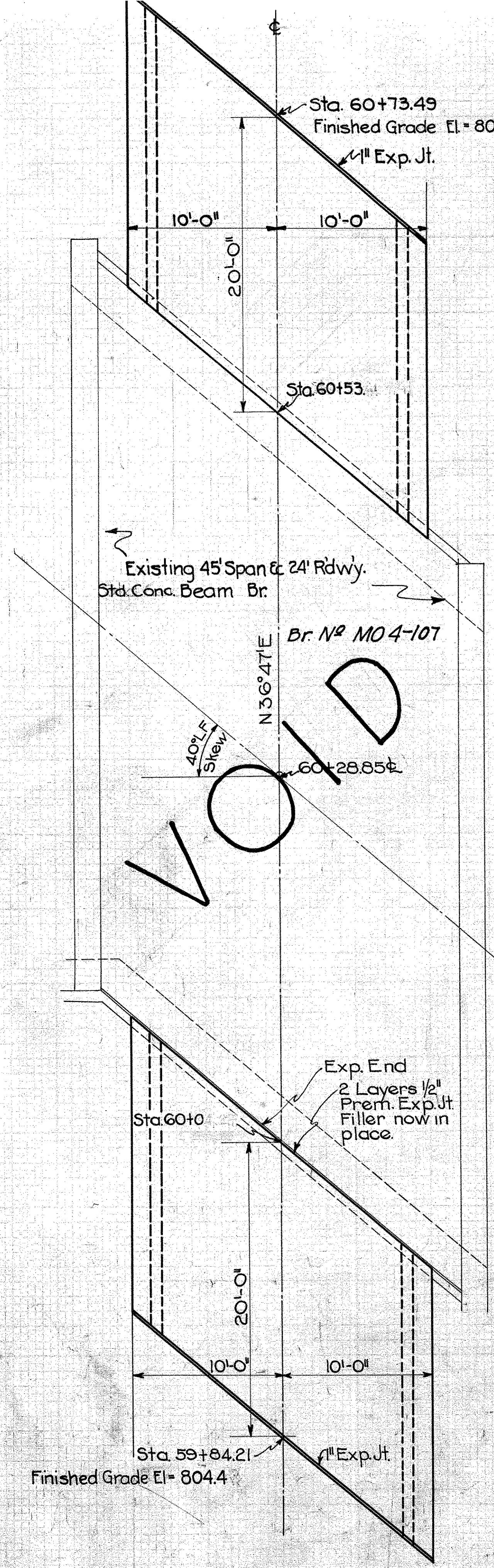
Note: The 1:8 Conc. for encasement = 8.9 Cu.Yds. (Incl. in price bid per lin. ft. of V.S.P. enc.)

STEEL

Mark	Size	Shape	No.	Len	Spwg.	Wt.
A2a	1/2" φ	Bent	1	8'-6"		6
B2a	1/2" φ	"	1	10'-1"		7
C2a	1/2" φ	Strt.	8	4'-3"		23
Total						36

Drawn 7/25/32 By R.H.
 Checked By O.T.M.

II STA. 86+00 RT.



GENERAL NOTES

Existing 3" protection strips on each end of bridge to be removed payment incl. with appr. slab per sq. yd. Std. Dwg. No. AS-31

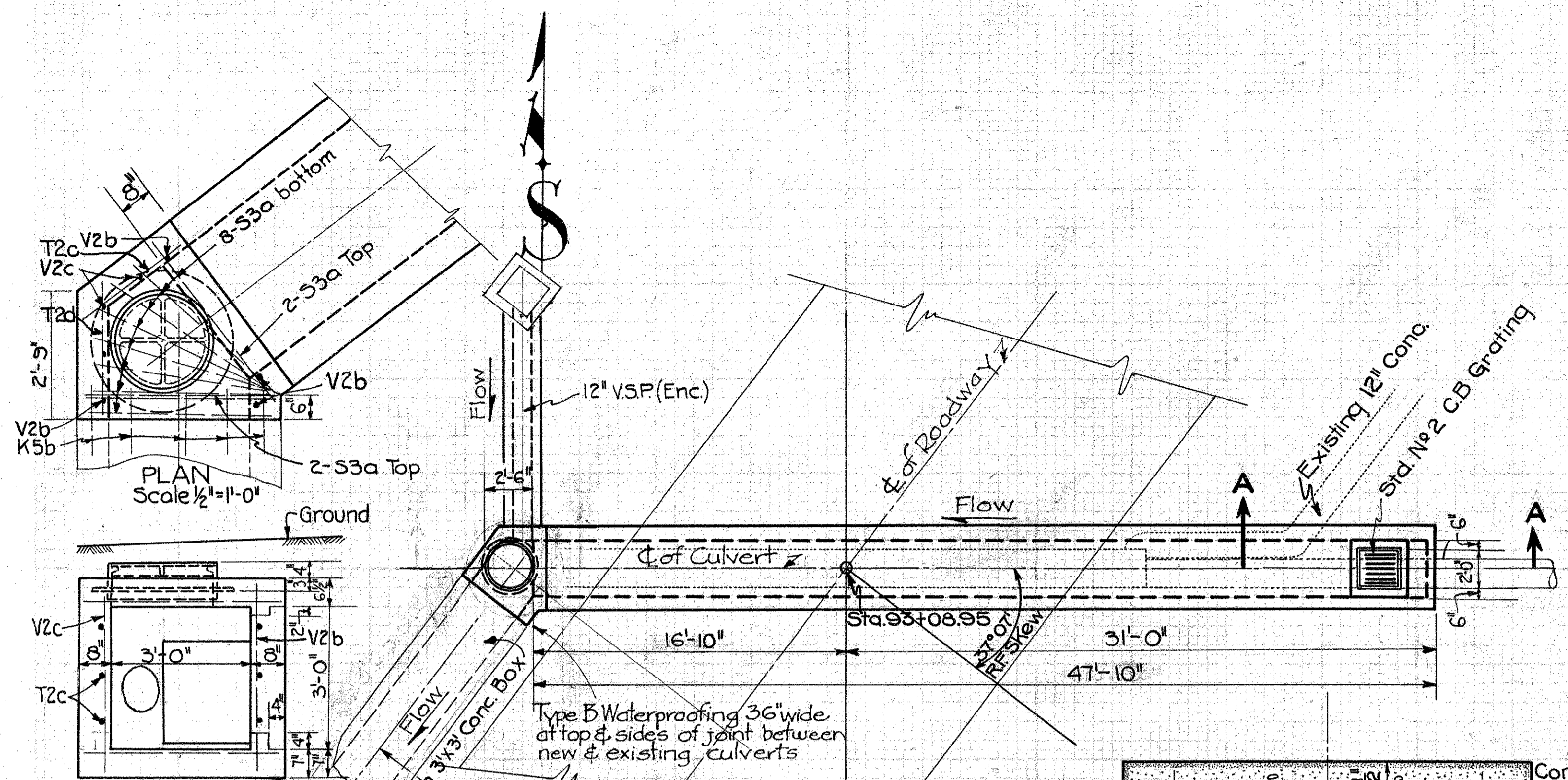
EST. QUANTITIES

Std. Reinf. Conc. Appr. Slabs (12" thick) 1:5 1/2 Mix 88.8 Sq. Yd.

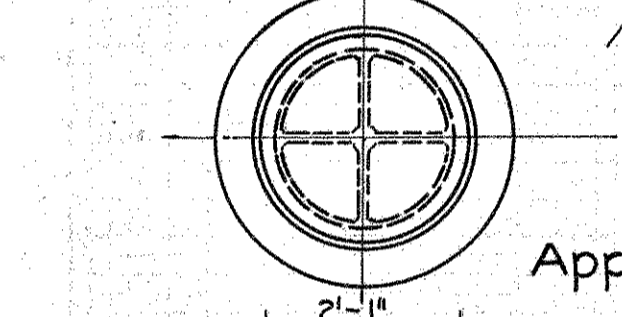
Drawn 7/25/32 By R.H.
 Checked By

9 PROPOSAL NO.
 STA. 60+28.85

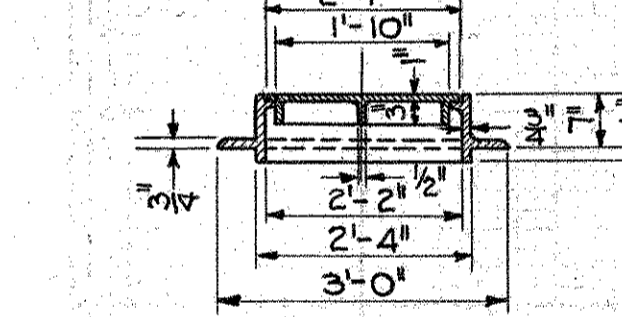
SH65 SEC. B PT. C
MONTGOMERY COUNTY



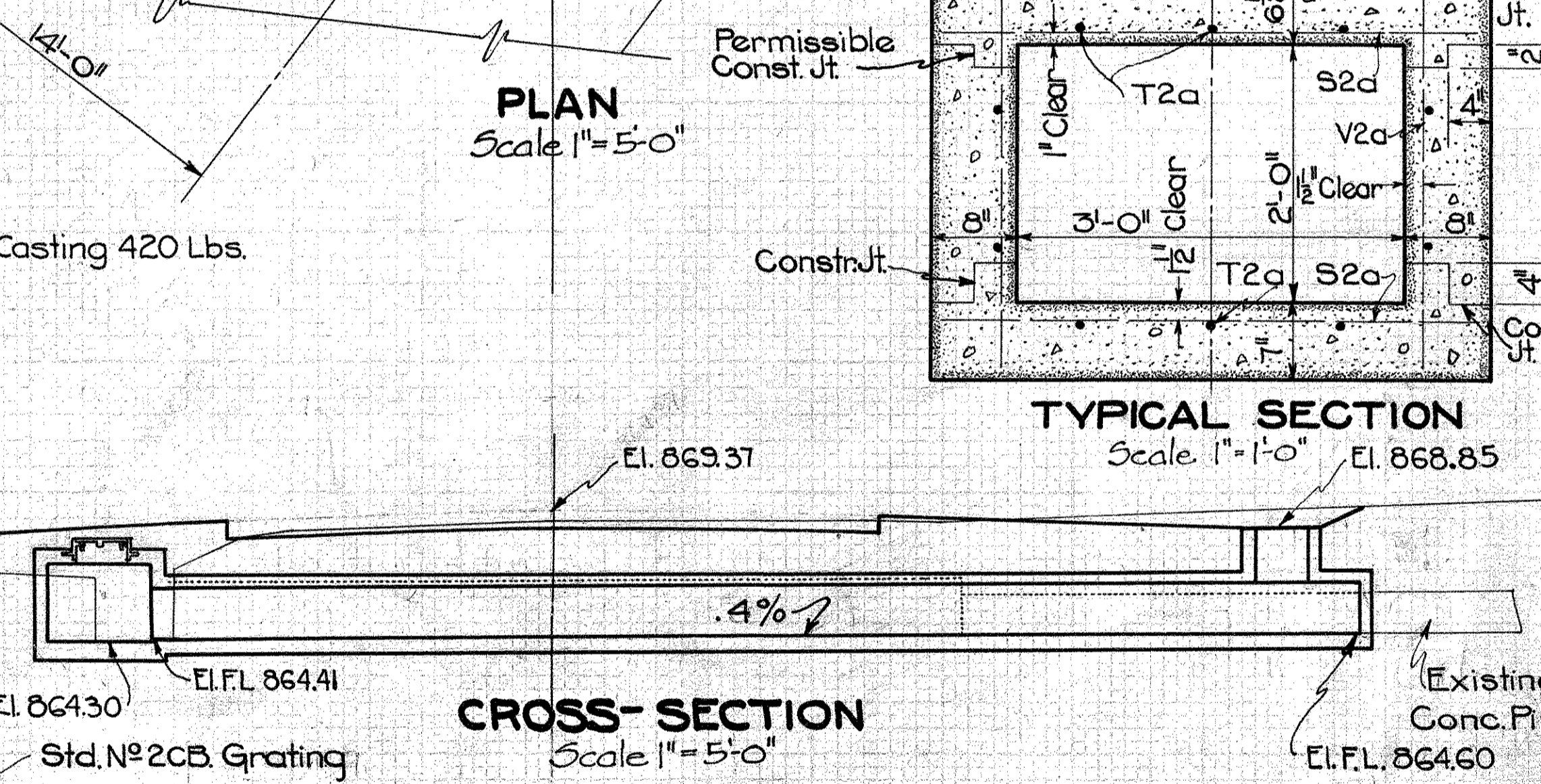
DETAIL JUNCTION CH.



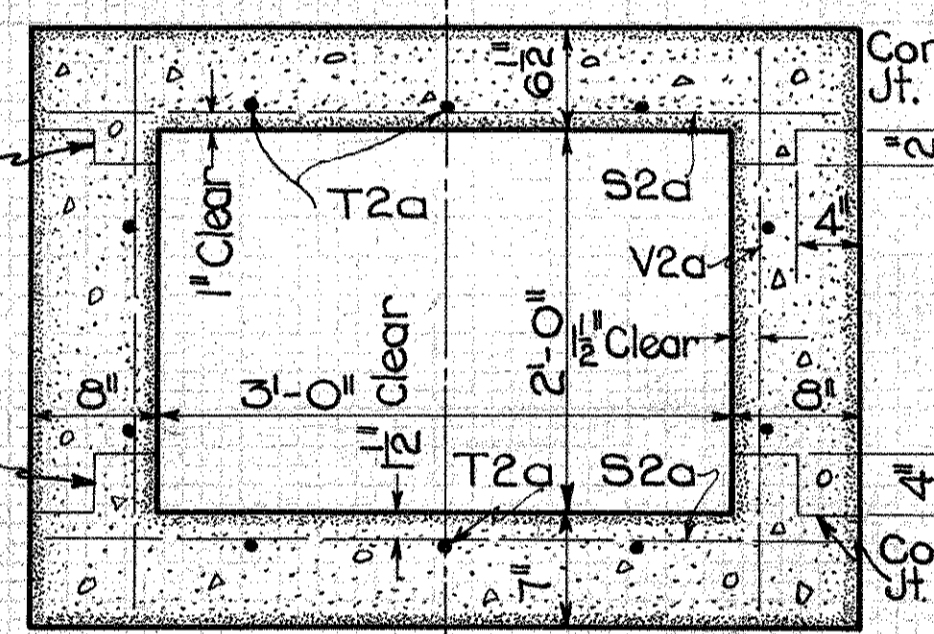
Approx. Wt. of Casting 420 Lbs.



DETAIL OF MANHOLE CASTING
Scale 1/2" = 1'-0"



CROSS-SECTION
Scale 1" = 5'-0"



TYPICAL SECTION
Scale 1" = 1'-0"

STEEL						
Mark	Size	Shape	Nº	Lgth.	Spcg.	Wt.
S3a	1/2" #	Strt.	264	4'-1"	4 1/2"	917
V2a	1/2" #	"	97	2'-9"	11-0"	178
V2b	"	"	4	3'-9"	as shown	10
V2c	"	"	3	3'-6"	"	7
T2a	"	"	19	24'-8"	"	313
T2b	"	"	1	20'-0"	"	14
T2c	"	"	3	4'-6"	"	9
T2d	"	"	3	2'-9"	"	6
K5b	3/4" #	"	12	1'-6"	"	27
K1a	3/8" #	Bent	4	3'-0"	"	5
K1b	"	Strt.	8	2'-9"	"	8
Total						1494

CULVERT DATA

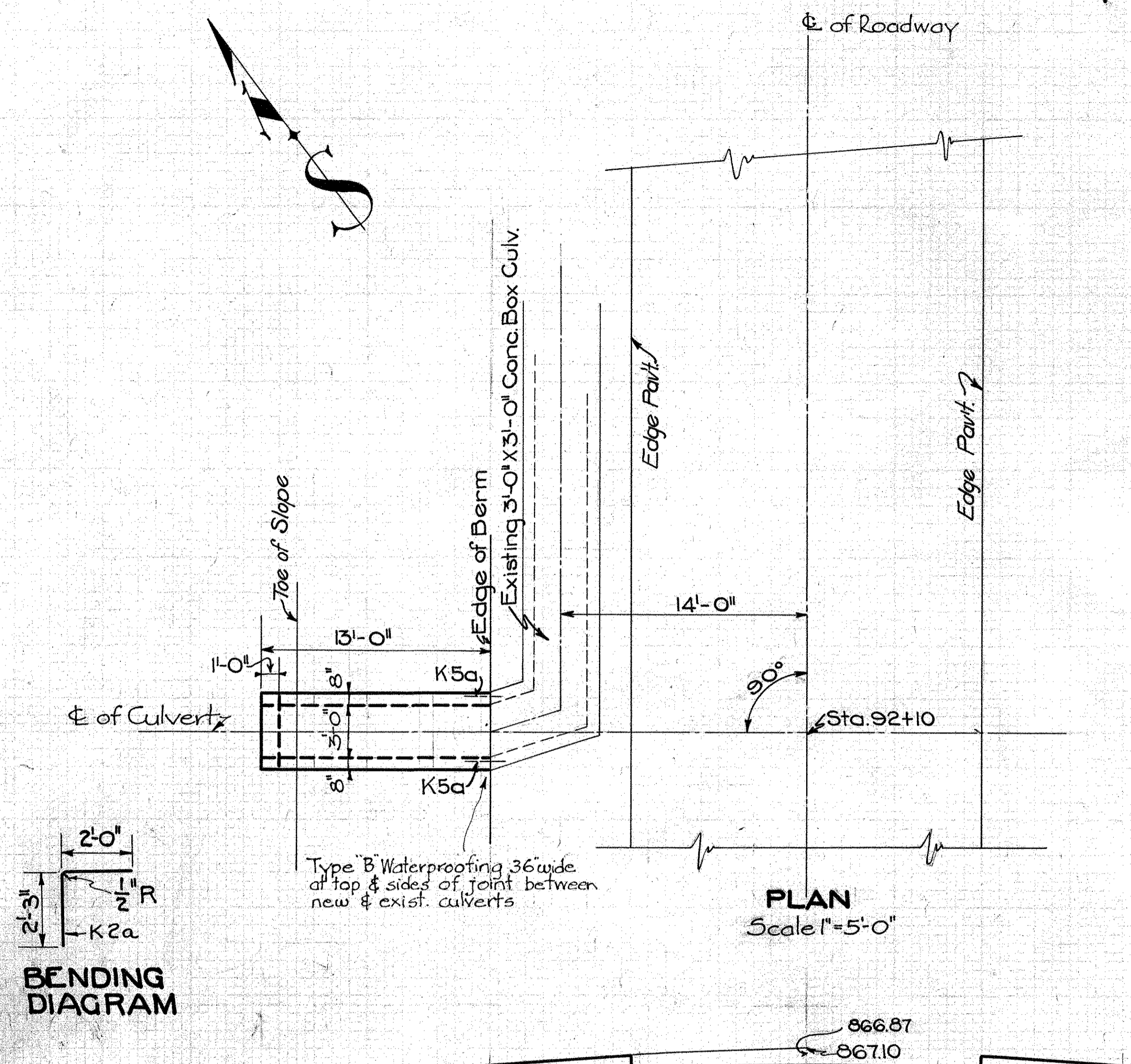
TYPE: Spc. Conc. Box Culv. Std. Drqs. B.C.A. SIZE: 3'-0" X 2'-0" X 50'-4"
 WORK REQD: Remove exist. 2'-0" x 2'-3" x 3'-6" Stone Box Culv. & 18" x 15'-0" V.S.P. Culv. & 15" x 10'-0" V.S.P. Culv. & 2'-0" of 3'-0" x 3'-0" Conc. Box Culvert as shown.
 Build 3'-0" x 2'-0" x 50'-4" Spec. Conc. Box Culv. with Conc. Junction Chamber, having Std. Manhole Casting & connected into exist. 3'-0" x 3'-0" Conc. Box Culv. on Lt. & with 2'-0" x 2'-0" conc. inlet on Rt. having Std. No. 2 C.B. Catch Basin Grating; & with conc. bulkhead in Rt. end.
 Build Std. 12" x 12'-0" V.S.P. (enc.) Culv. on Lt. between Rdwy. Catch Basin & Junc. Chamber. Apply Type B Waterproofing 3/6" wide & Dowel new structure to exist. struct. as shown.

ESTIMATED QUANTITIES

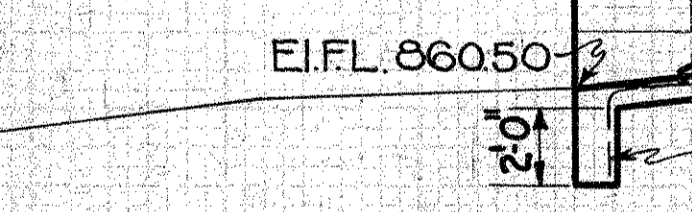
Excavation 40 Cu. Yd.
 Conc. 1:5/2 14.6 Cu. Yd.
 Steel 14.94 Lb.
 Std. Manhole Casting 1 only
 Std. No. 2 C.B. Grating 1 only
 1" x 12" dowel holes 12 each
 12" V.S.P. (a) & ALT. RCP (b) 12 Lin. Ft.
 Type B Waterproofing 3/6" wide 4.3 Sp. Yd.

13

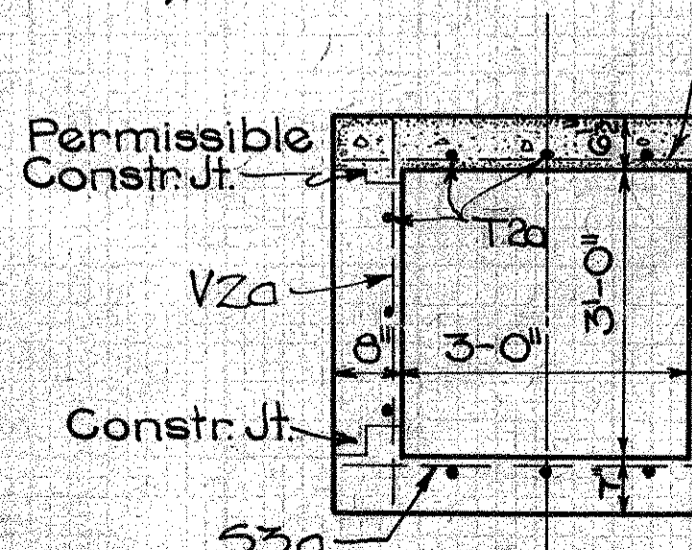
STA. 93+08.95



BENDING DIAGRAM



CROSS SECTION
Scale 1" = 5'-0"



TYPICAL SECTION
Scale 1/2" = 1'-0"

STEEL						
Mark	Size	Shape	Nº	Lgth.	Spcg.	Wt.
S3a	1/2" #	Strt.	70	4'-1"	4 1/2"	243
V2a	1/2" #	"	26	3'-9"	11-0"	65
T2a	1/2" #	"	12	12'-6"	as shown	100
K2a	1/2" #	Bent	5	4'-3"	11-0"	14
K5a	3/4" #	Strt.	6	1'-6"	as shown	14
Total						436

CULVERT DATA

TYPE: Std. Conc. Box Culv. Ext. SIZE: 3'-0" X 3'-0" X 31'-0"
 WORK REQ'D: Build 3'-0" X 3'-0" X 31'-0" std. conc. box culv. ext. on Lt. Apply Type B Waterproofing 3/6" wide & dowel new struct. to exist. struct. as shown.
 Std. Drqs. B.C.A. & C.E.A.

EST. QUANTITIES

Excavation 3 Cu. Yd.
 Conc. (1:5/2 Mix) 4.6 "
 Steel 436 Lb.
 1" x 12" Dowel Holes 6 each
 Type B Waterproofing 3/6" wide 4.3 Sp. Yd.

Drawn 7/16/32 By R.H.
 Checked 10/3/32 By R.H.H.

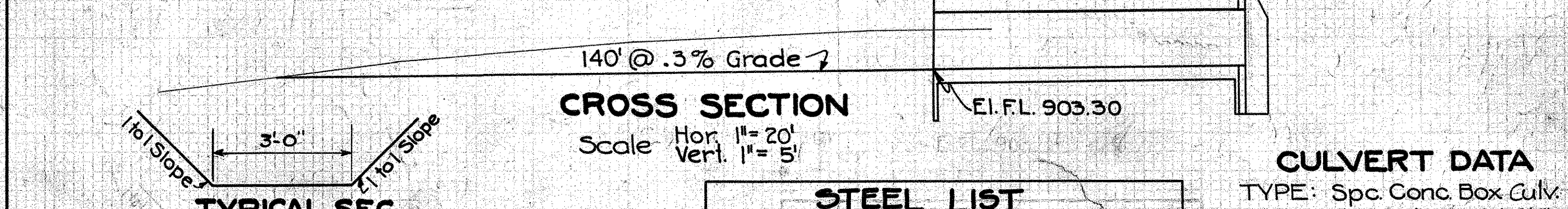
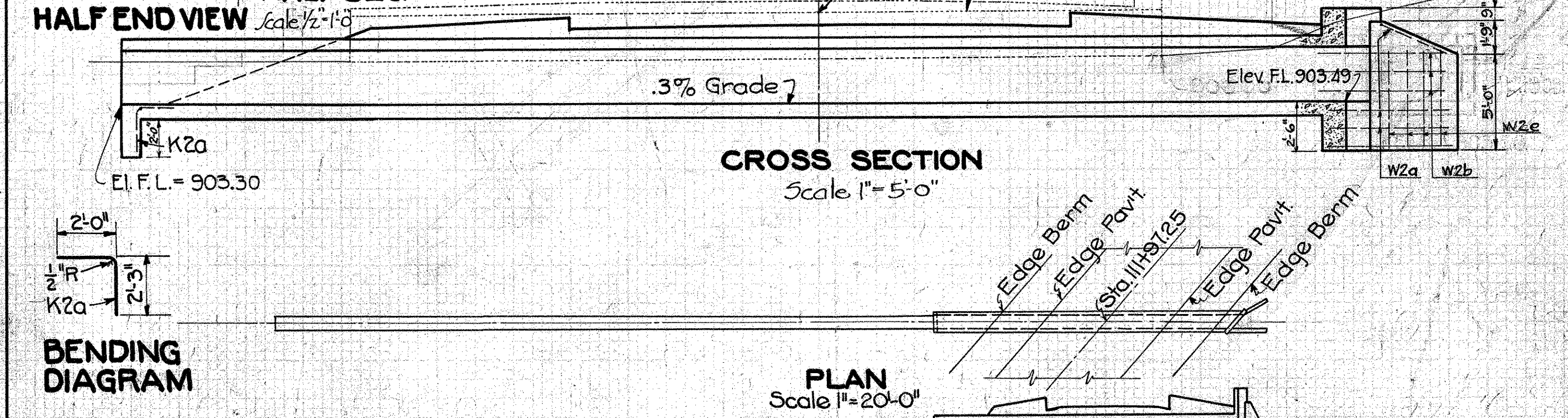
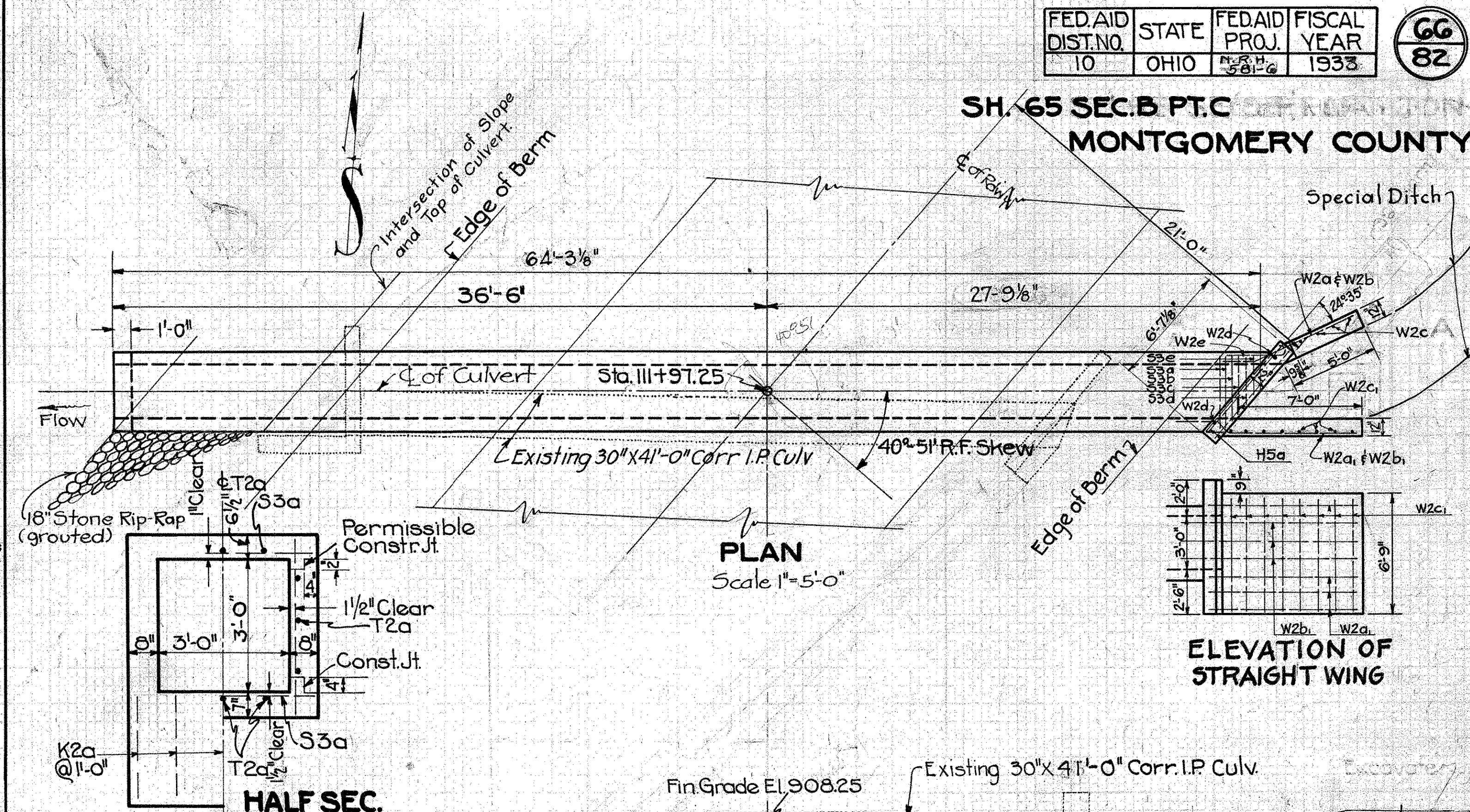
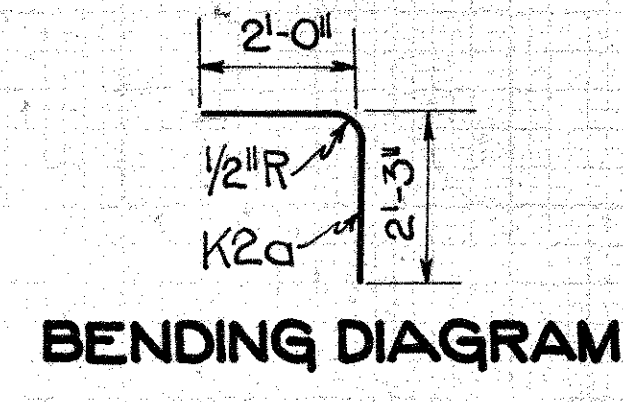
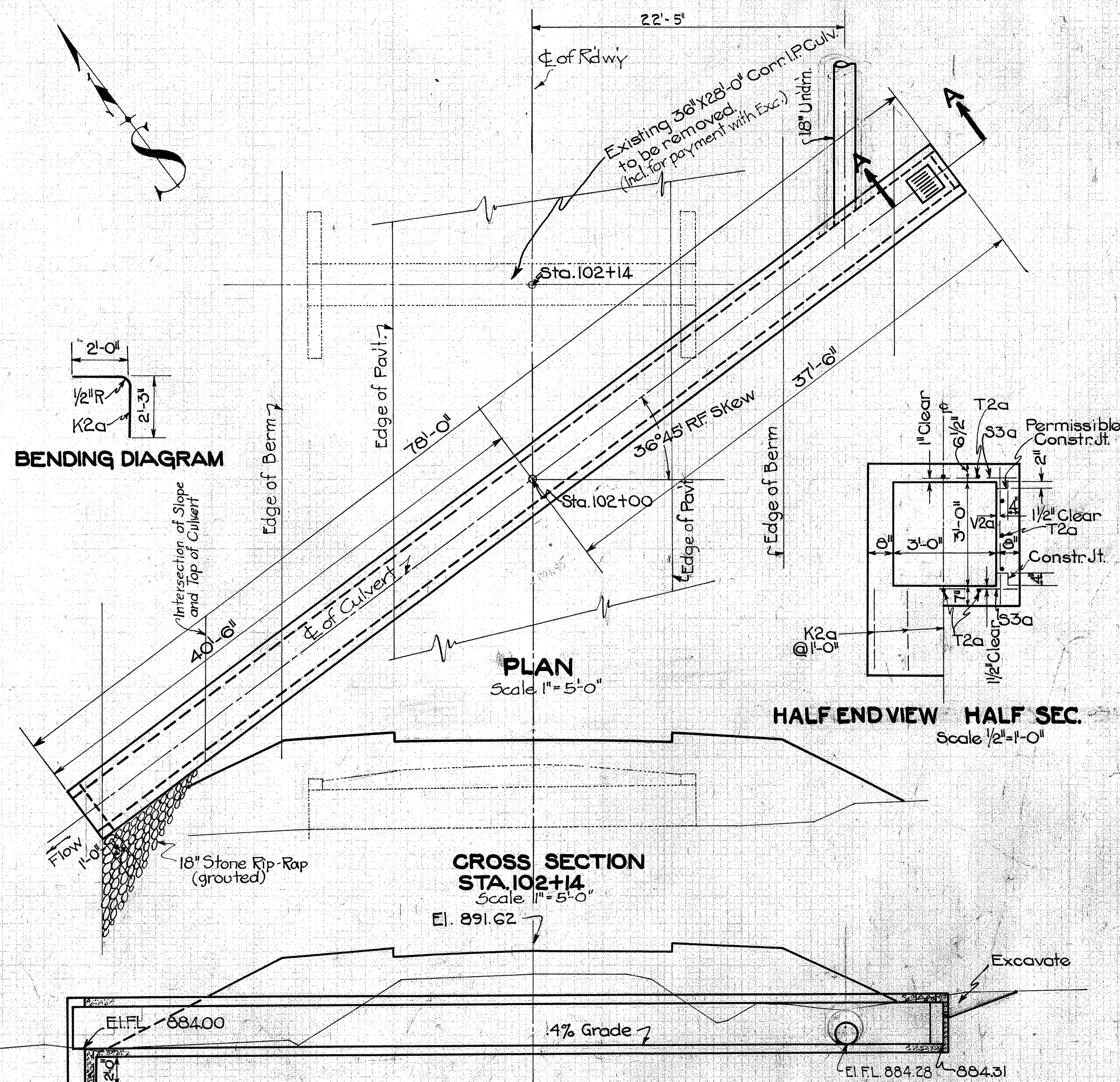
12

STA. 92+10

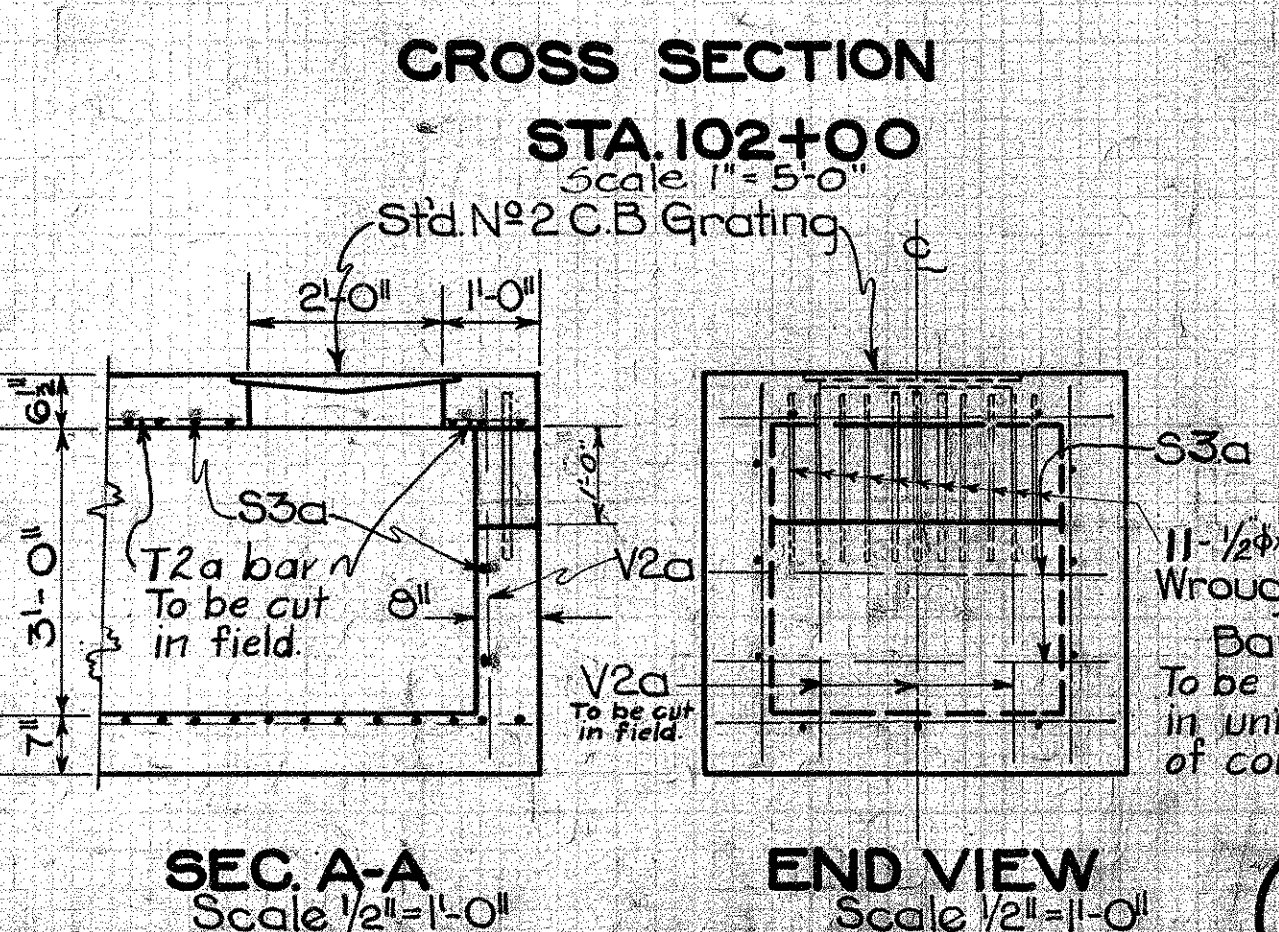
Drawn 7/28/32 By R.H.
 Checked 10/4/32 By R.H.H.

Note: The 1:8 Conc. for encasement = 1.2 Cu. Yds. (Incl. for payment in price bid per lin. ft. of V.S.P. enc.)

SH. 65 SEC. B PT. C
MONTGOMERY COUNTY



Mark	Size	Shape	N ^o	Lqth.	Spcq.	Wt
S3a	1/2" φ	Strt.	416	4'-1"	4 1/2"	1444
T2a	1/2" φ	Strt.	24	39'-9"		637
K2a	1/2" φ	Bent	5	4'-3"	1'-0"	14
V2a	1/2" φ	Strt.	159	3'-9"	1'-0"	398
Total						2493



CULVERT DATA
 TYPE: Spc. Conc. Box Culv.
 SIZE: 3'-0" X 3'-0" X 78'-0"
 WORK REQD: Remove exist 36'x28'-0" Corr. I.P. Culv. Build 3'-0" x 3'-0" x 78'-0" Spc. Conc. Box Culv. with top opening equipped with Std. No. 2 C.B. Grating & bulkhead having opening equipped with wrought iron bars on Rt. Open inlet end. Place 18" Stone Rip Rap grouted at outlet end. Std. Drgs. BC-A CE-A & I-80B.2-2

EST. QUANTITIES

Excavation	75 Cu.Yd.
Conc (1:5/2 Mix)	28.1 Cu.Yd.
Steel	2493 Lbs.
Std. No. 2 C.B. Grating	1 only
18" Stone Rip-Rap (Grouted)	3.5 Sq.Yds.

MARK	SIZE	SHAPE	SPACE	N ^o	LENGTH	WEIGHT
S3a	1/2" φ	STRT	4 1/2"	334	4'-1"	1161
S3b	"	"	"	2	3'-9"	6
S3c	"	"	"	2	3'-3"	6
S3d	"	"	"	2	2'-6"	4
S3e	"	"	"	2	2'-3"	4
V2a	1/2" φ	"	12"	130	3'-9"	326
T2a	"	"	"	36	23'-4"	561
H5a	3/4" φ	"	"	4	6'-3"	38
K2a	1/2" φ	BENT	12"	12	4'-3"	34
W2a	"	"	"	4	8'-6"	23
W2b	"	"	"	4	12'-0"	32
W2b	"	"	"	3	8'-0"	16
W2c	"	STRT	"	4	5'-0"	13
W2c	"	"	"	8	6'-3"	33
W2d	"	"	"	2	7'-0"	9
W2e	"	BENT	"	5	5'-0"	17
TOTAL						2303

CULVERT DATA
 TYPE: Spc. Conc. Box Culv.
 SIZE: 3'-0" X 3'-0" X 64'-3 1/2"
 WORK REQD: Remove exist 30'x40'-0" Corr. I.P. Culv. Build 3'-0" x 3'-0" x 64'-3 1/2" Spc. Conc. Box Culv. with alternate end (Std. Drwg. CE-A) on left and wings on right.

Excavate channels, place 18" Stone Rip-Rap grouted at outlet end. Std. Drgs. BC-A, CE-A

EST. QUANTITIES

Excavation (Struct.)	90 Cu.Yd.
" Channel	35 Cu.Yd.
Conc (1:5/2 Mix)	25.7 Cu.Yd.
Steel	2303 Lbs.
18" Stone Rip-Rap (Grouted)	2.2 Sq.Yds.

Drawn 7/15/32 By R.H.
Checked By O.M.

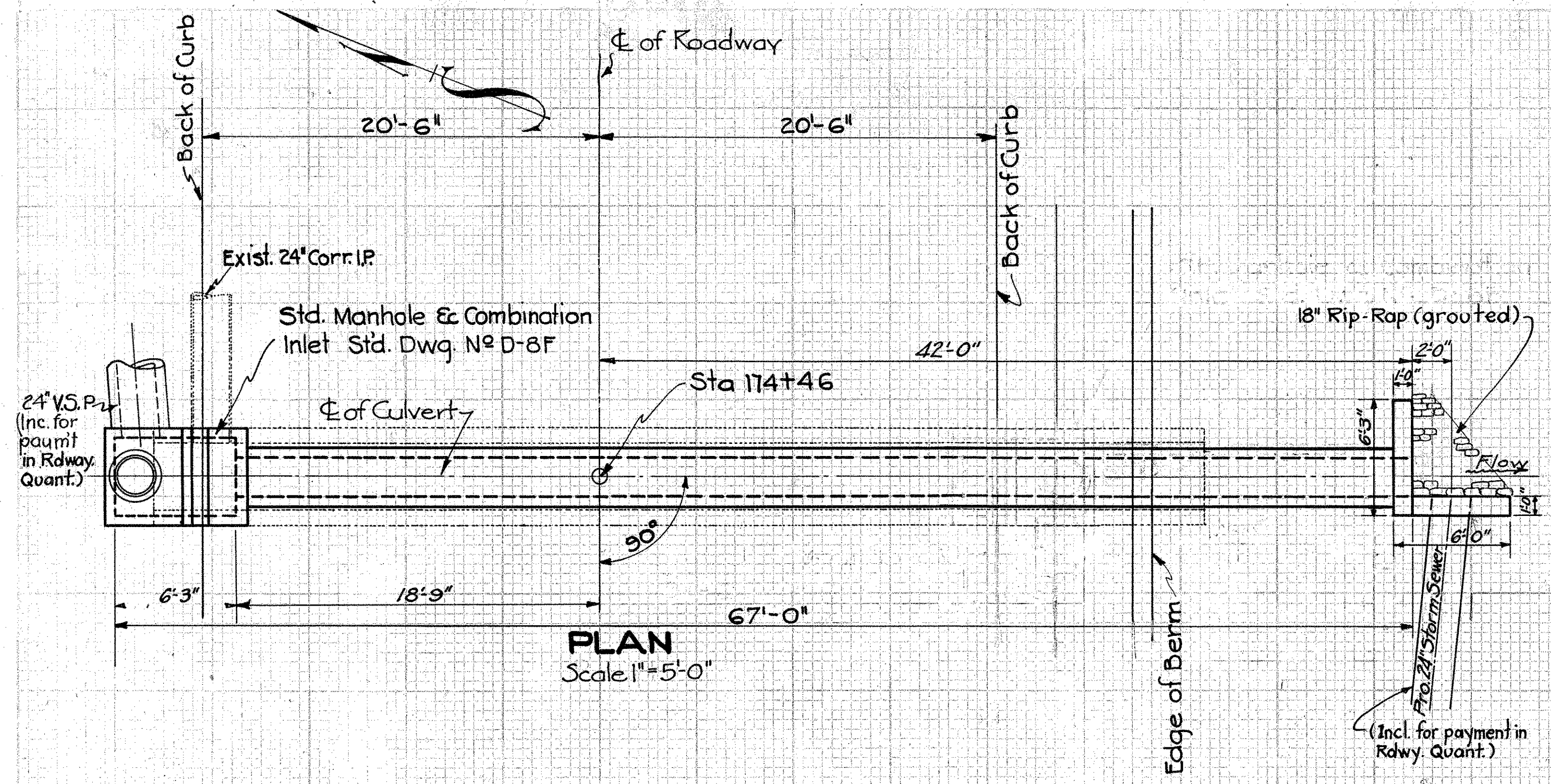
Drawn 7/15/32 By R.H.
Checked By O.M.

14

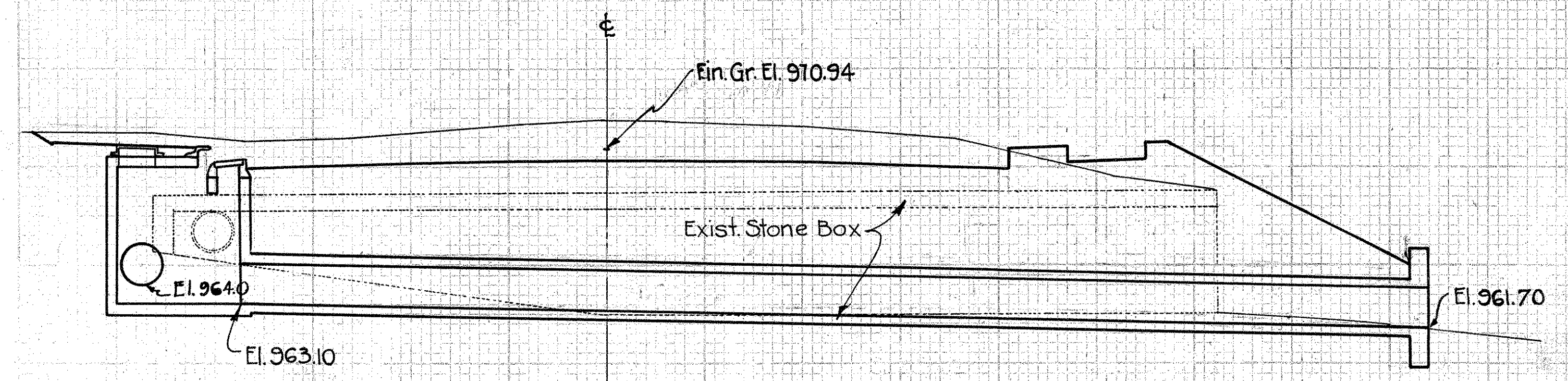
15

STA. 111+97.25

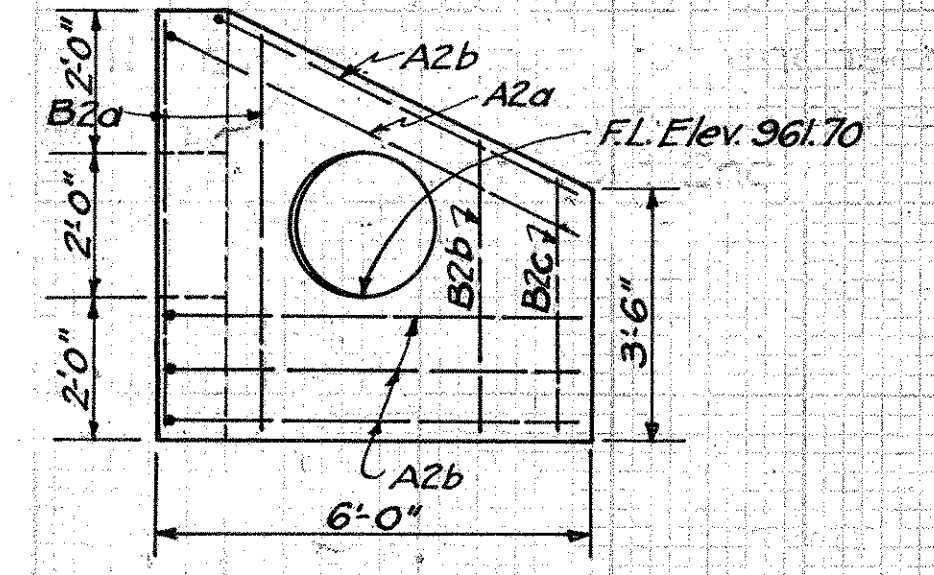
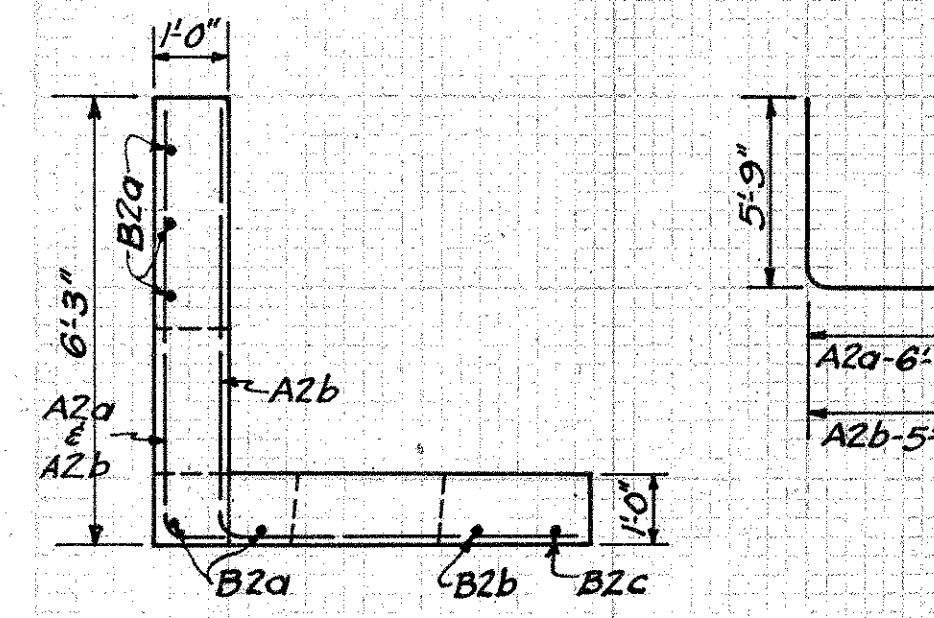
SH65 SEC. B PT. C
MONTGOMERY COUNTY



PLAN
Scale 1"=5'-0"



CROSS-SECTION
Scale 1"=5'-0"



DETAIL SPECIAL H.W.

STEEL LIST					
MARK	SIZE	SHAPE	Nº	LENGTH	WEIGHT
A2a	1/2" φ	BENT	1	12'-0"	8
A2b	1/2" φ	BENT	4	11'-3"	30
B2a	1/2" φ	STRT.	5	5'-6"	18
B2b	1/2" φ	STRT.	1	4'-0"	3
B2c	1/2" φ	STRT.	1	3'-6"	2
				TOTAL	61

Note: The 1:8 concrete for encasement = 12.2 cu.yds. (Incl. for payment in price bid per lin. ft. of V.S.P. enc.)

Drawn By R.H.
Checked By E.E.D.

CULVERT DATA

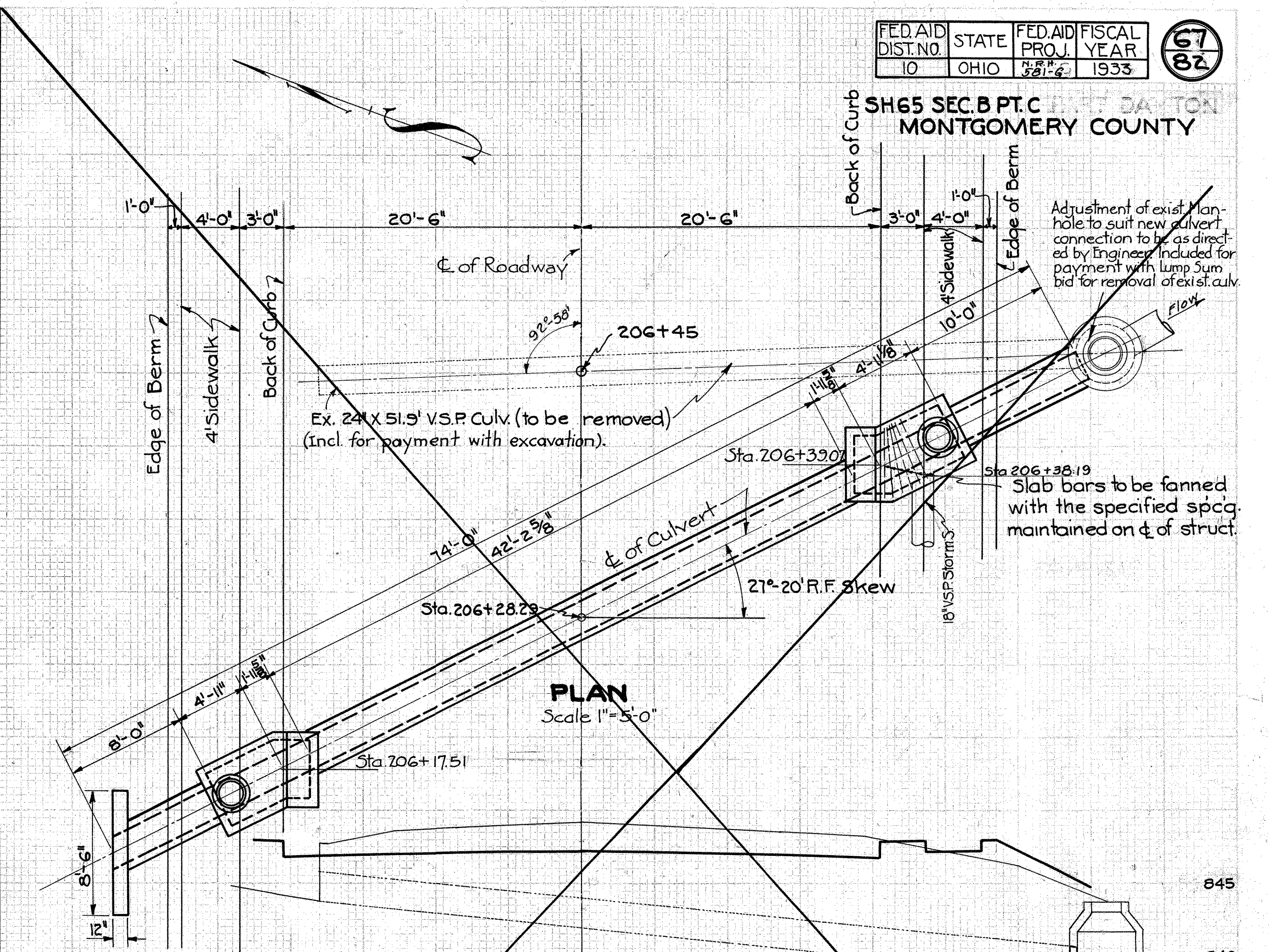
TYPE: Spc. V.S.P. (Enc.) Std. Drwgs. # 300 D-8F
 SIZE: 24" x 67'-0"
 WORK REQD: Remove exist. 3'-6" x 5'-6" x 54'-0" stone culv. Build 24" x 67'-0" V.S.P. (Enc.) Culv. with 1 Std. Manhole & Comb. Inlet on left and special H.W. on right. Place rip-rap as shown.

EST. QUANTITIES

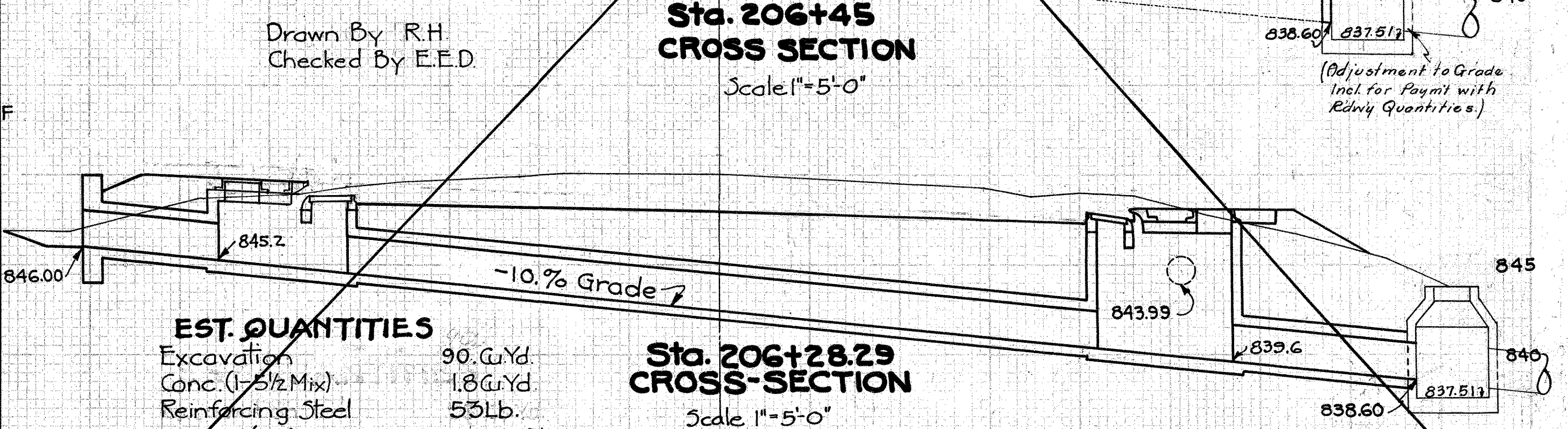
Excavation	35 Cu. Yd.
Conc. (1-5/2 Mix)	2.0 Cu. Yd.
Manhole & Comb. Inlet	1 Each
Reinforcing Steel	61 Lbs.
24" V.S.P. (a) - Alt. 24" R.C.P. (b)	60.8 Lin. Ft.
18" Stone Rip-Rap (grouted)	2.0 Sq. Yd.

STA. 174+46

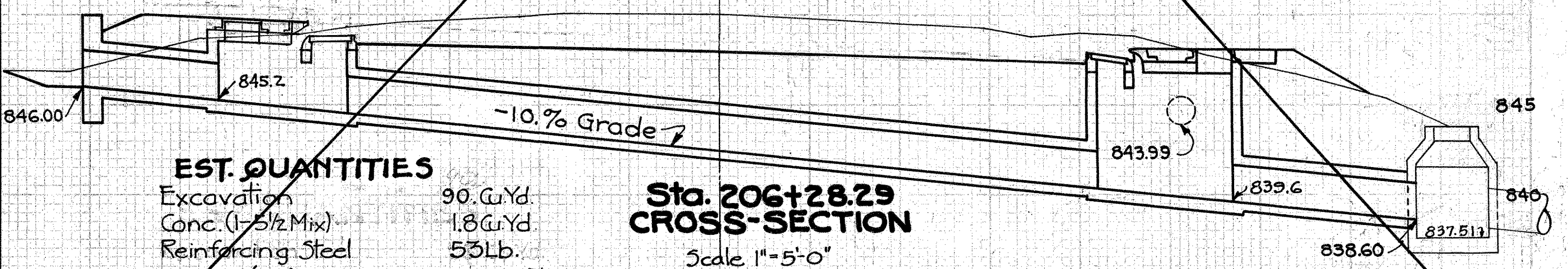
16



PLAN
Scale 1"=5'-0"



Sta. 206+45
CROSS SECTION
Scale 1"=5'-0"



Sta. 206+28.29
CROSS-SECTION
Scale 1"=5'-0"

EST. QUANTITIES

Excavation	90 Cu. Yd.
Conc. (1-5/2 Mix)	1.8 Cu. Yd.
Reinforcing Steel	53 Lb.
24" V.S.P. (SS) Enc.	60.2 Lin. Ft.
* Std. Manhole & Inlet comb.	2 Each

NOTE: Std. Comb. Manhole & Inlet shall be Modified to fit general alignment of culvert as shown.

NOTE: The 1:8 Conc. for encasement = 11.6 Cu. Yd. (Incl. in price bid per lin. ft. of V.S.P. Enc.)

CULVERT DATA

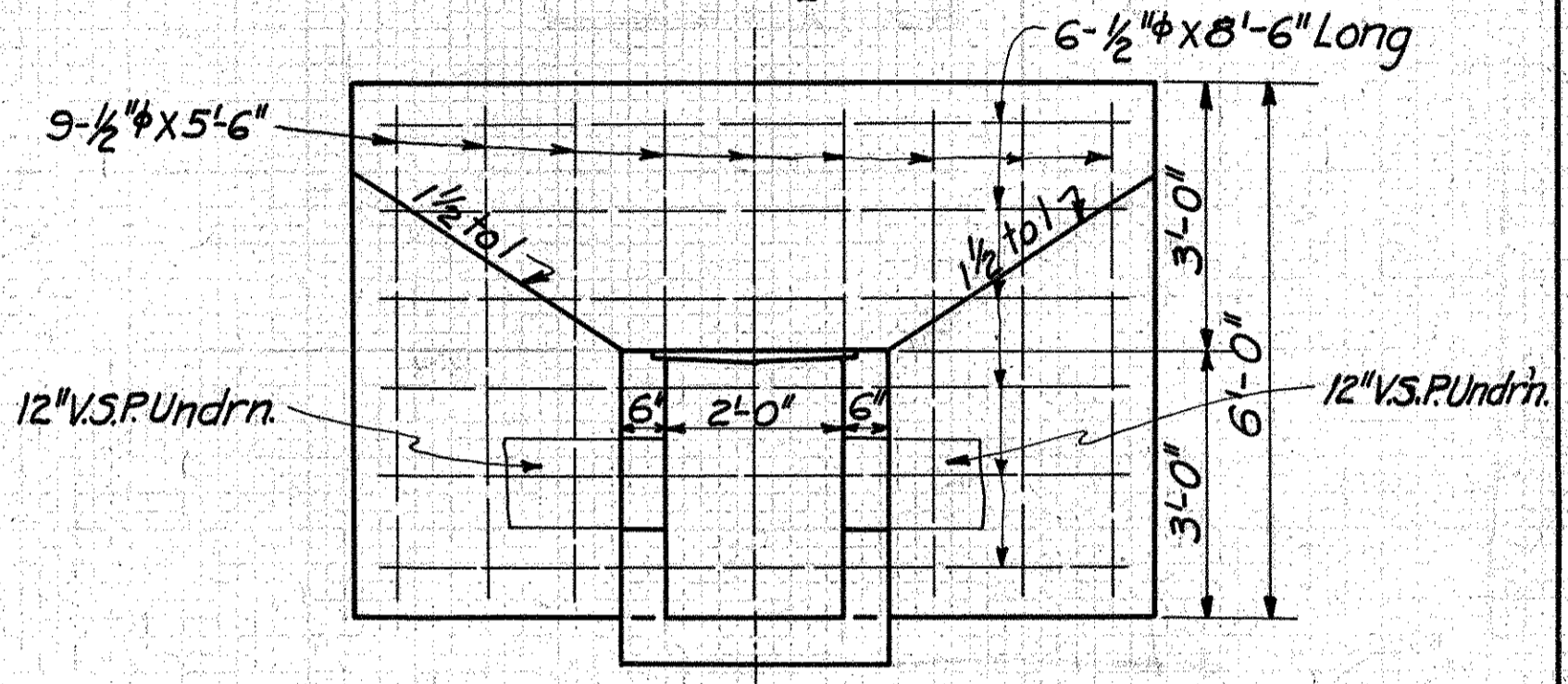
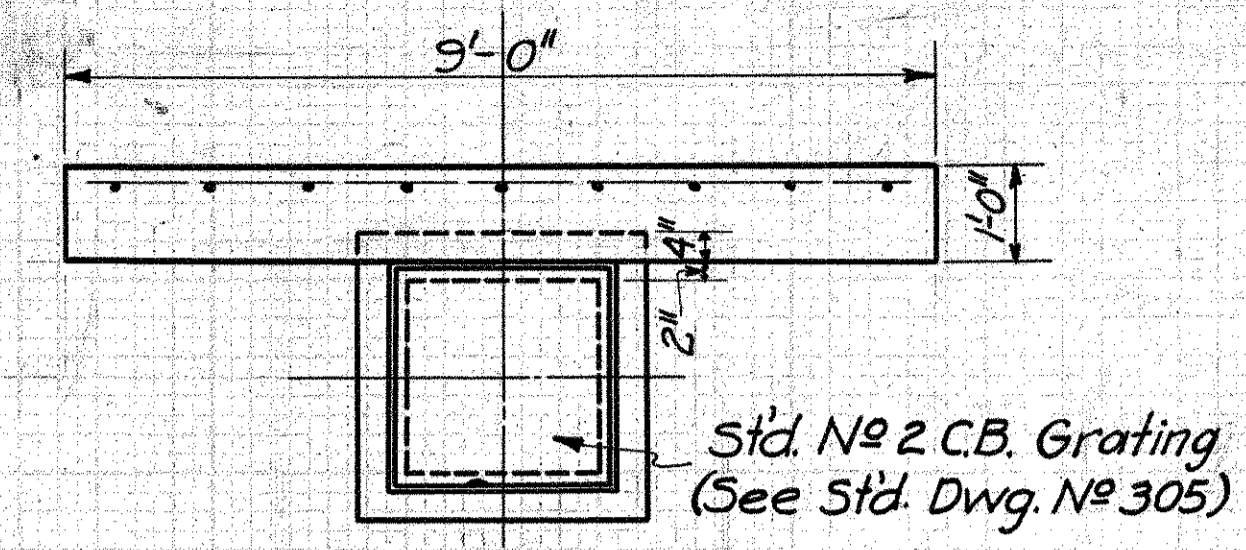
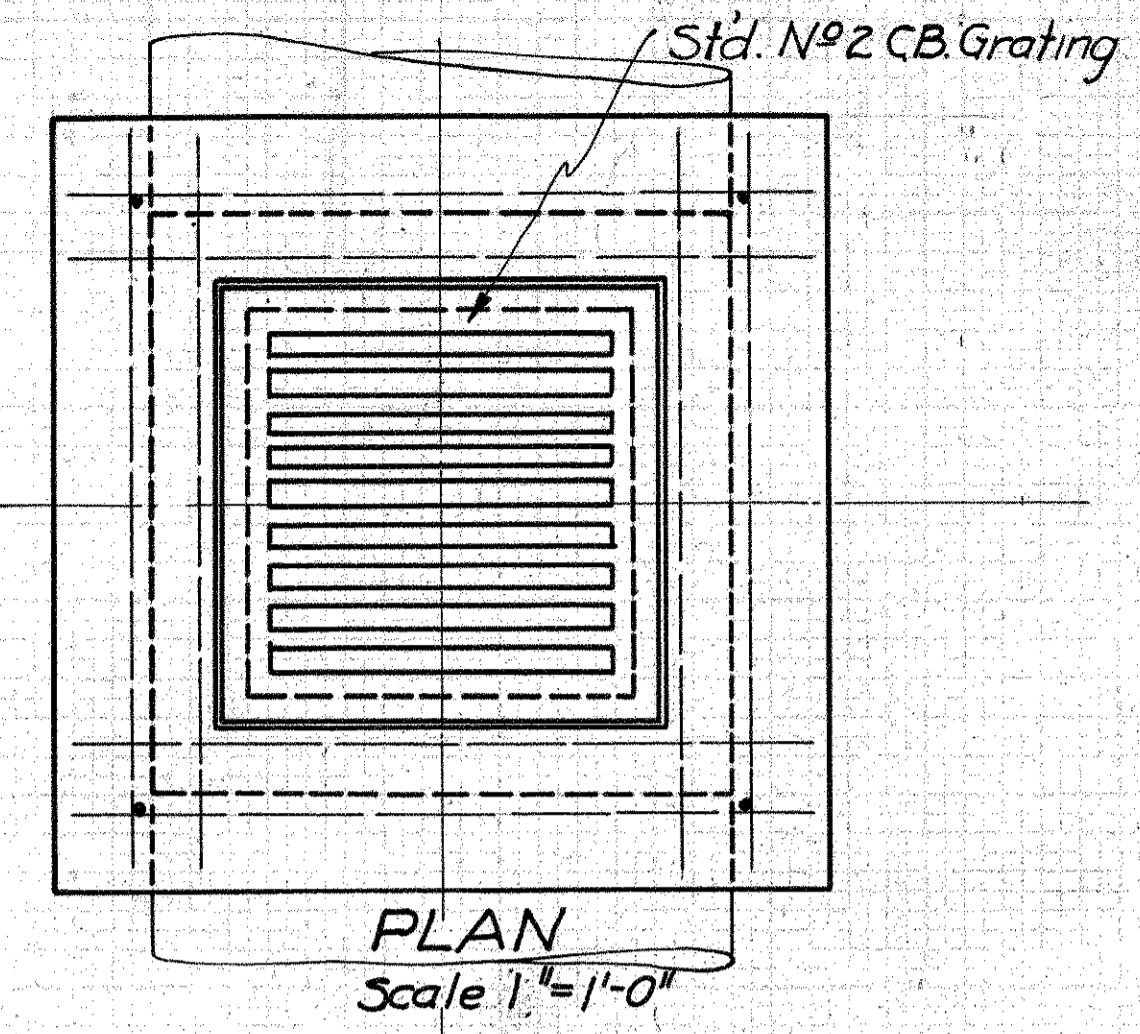
TYPE: Spc. V.S.P. (Enc.) Culv. Std. Drwgs. # 300 D-8F
 SIZE: 24" x 74'-0"
 WORK REQD: Remove Ex. 24" x 51.9' V.S.P. Culv. Build 24" x 74'-0" special V.S.P. enc. Culv. with 2 std. Comb. M.H. & Inlets and 1 std. H.W.

STA. 206+28.29

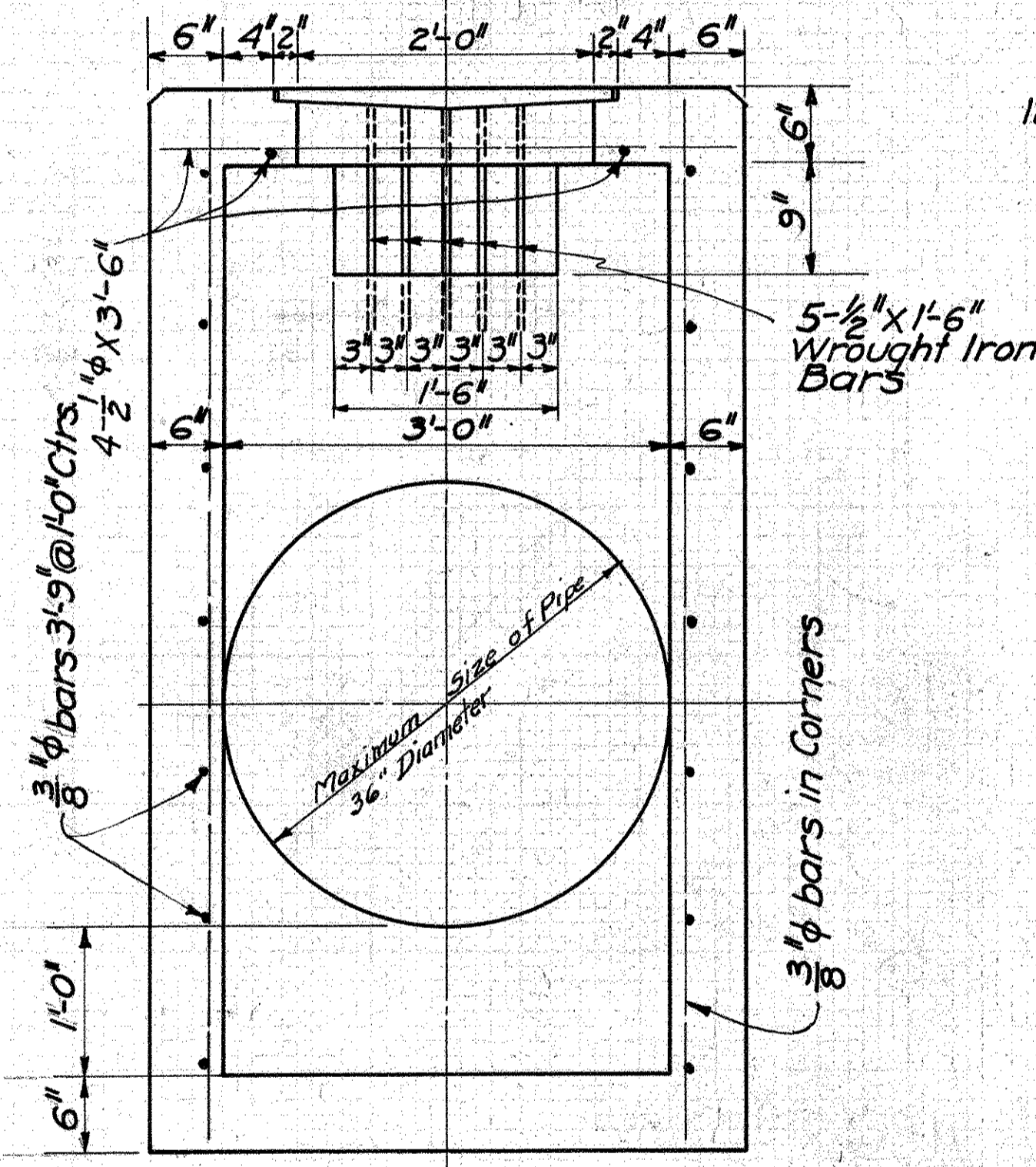
17

Drawn By R.H.
Checked By E.E.D.

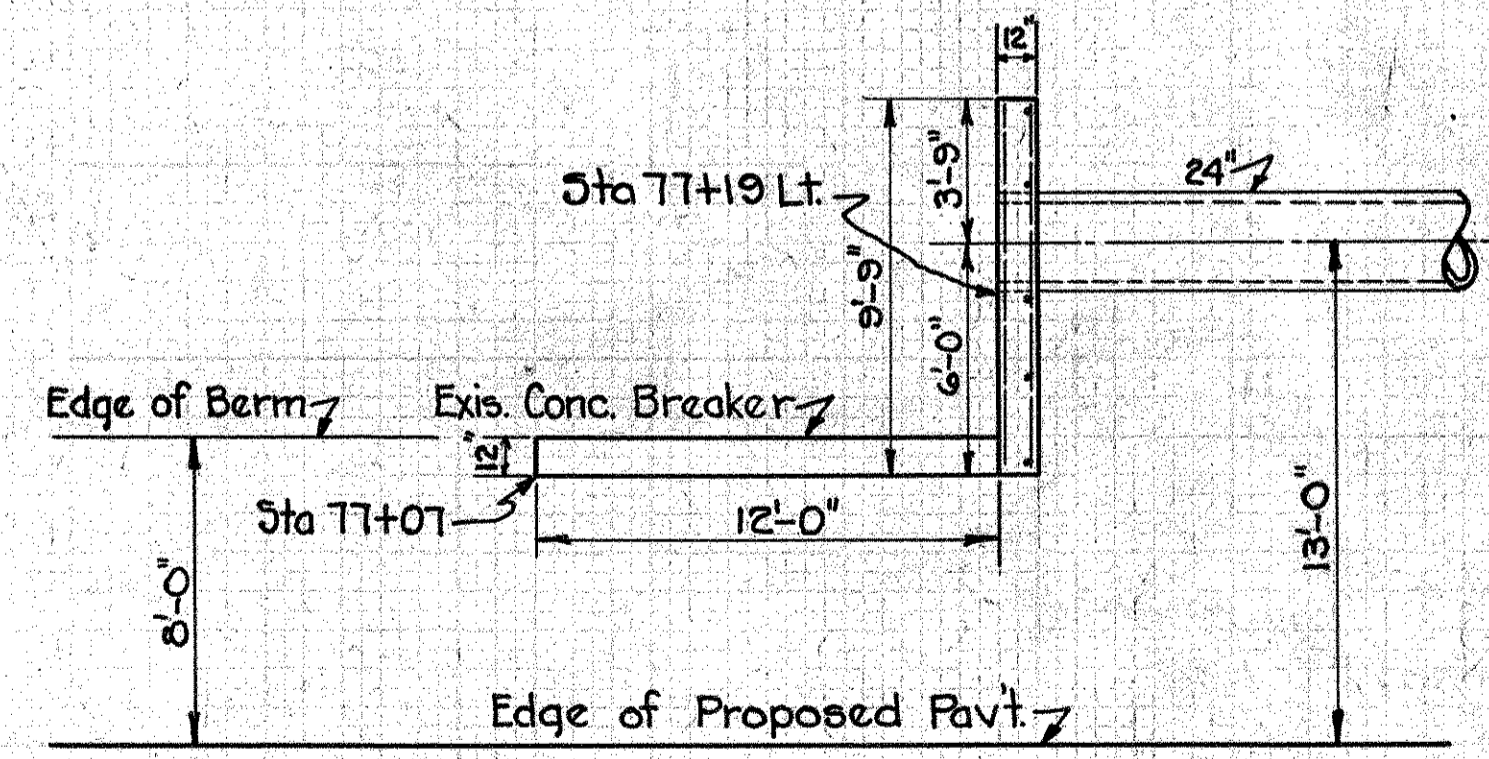
SH.65 SEC. B P.T.C.
MONTGOMERY COUNTY



CROSS SECTION
Scale 1/2"=1'-0"
DETAIL OF SPC. C.B. No 1
at Sta. 31+00



DETAILS OF SPECIAL
NO. 2 C.B.

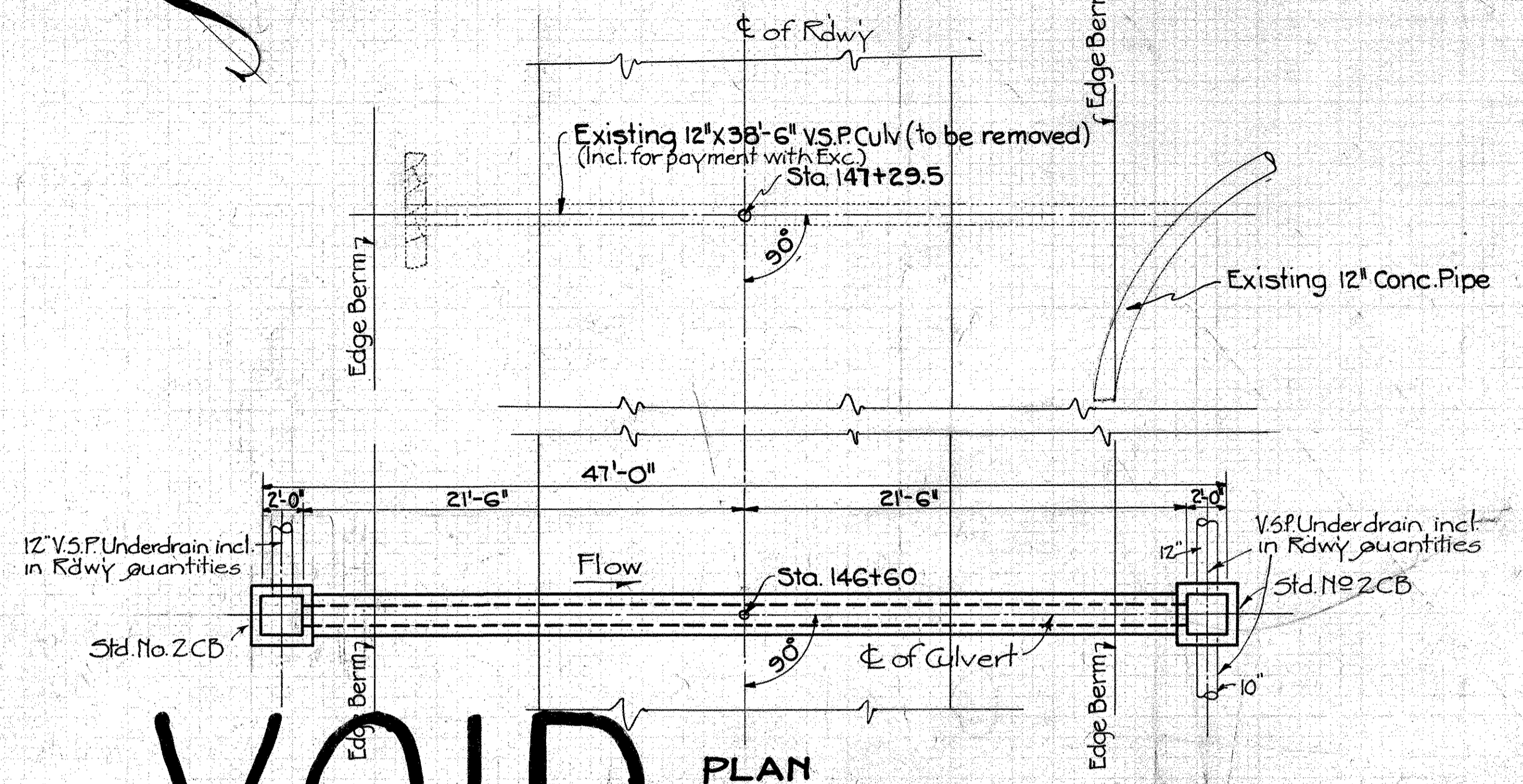


SPECIAL HEADWALL
STA 77+19 LT.
Scale 1"=5'-0"

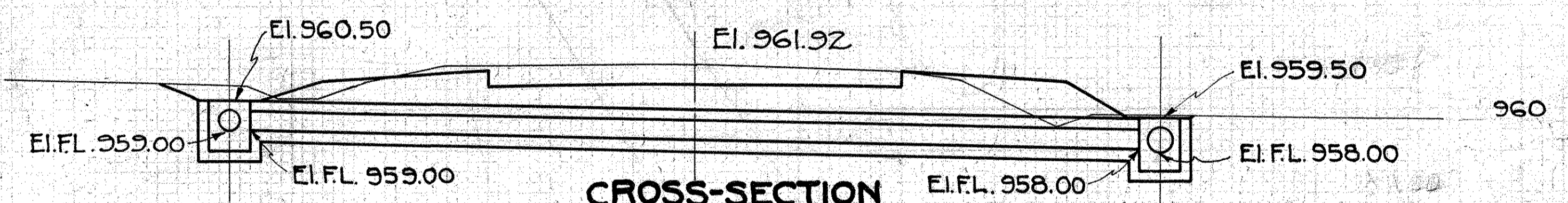
QUANTITIES

Conc. (1:5 1/2 Mix)	1.9 Cu.Yds.
Steel	35 Lbs.

VOID



CROSS-SECTION
Sta. 147+29.5
Scale 1"=5'-0"



CROSS-SECTION
Sta 146+60
Scale 1"=5'-0"

Note: The 1:8 Conc. for encasement
= 4.5 Cu.Yds (Incl. for payment
in price bid per lin. ft of V.S.P. enc.)

CULVERT DATA

TYPE: Spc. V.S.P. (Enc.) Culv.
SIZE: 12" x 47'-0"
WORK REQD: Remove existing
12" x 38'-6" V.S.P. Culv. at Sta. 147+29.5
Build 12" x 47'-0" Spc. V.S.P. (Enc.) Culv.
with 2 Std. No 2 C.B.
Std. Dwg. No 300 & 305

EST. QUANTITIES

Excavation	28 Cu.Yd.
Std. No 2 C.B.	2 Each
12" V.S.P. (55) enc.	43 Lin.Ft
Alt. R.C.P. (b)	

Drawn 7/29/32 By R.H.
Checked 10/10/32 By R.H.H.

SUMMARY of QUANTITIES

**SH 65 SEC. B & PART C,
MONTGOMERY COUNTY**

STRUCTURES 20' & UNDER																								
No	Station	Type	Size	Excavation		Concrete		Reinf. Steel	Removal parts of Exist. Strud.	V.S.P. (a) Enc. or R.C.P. (b)					Std. No. 2	Std. Comb. Manhole C.B. & Inlet	Std. No. 2 C.B. Grating	Type "B" Waterproofing (36" Wide)	18" Stone Rip-Rap Grout. in pl.	Dowel Holes 1" x 12"	Std. M.H. (Gasing)	Std. Drwg. Number	Sheet No.	Remarks
				Dry	Chan	1:5/2 Mix				12'	15'	18'	24'	27'										
PROPOSAL No. 1 20' PAVEMENT																								
1	0+15.45 R+	Sp. V.S.P. (enc.) S.R. Culv.	12' x 100'-0"	52		2.8		64		100											300	51	Build New 12' x 100' V.S.P. (enc.) S.R. Culv. with 2 Spc. Havalls. Excavate Spc. Havalls. & Inlet & Culv. on R. side of stone & conc. Box Culv. Build Std. 5' x 3' x 7'-0" Conc. Box Culv. Skewed 6° L.F.	
2	16+44	Std. Conc. Box Culv.	5' x 3' x 7'-0"	50		36.4		3903													BC-A	58	Remove parts of exist. 4' x 3' x 7'-0" stone & conc. Box Culv. Build Std. 5' x 3' x 7'-0" Conc. Box Culv. Skewed 6° L.F.	
3	22+47 L+	Sp. V.S.P. (enc.) S.R. Culv.	18' x 68'-0"	50						64				2							300	51	Remove parts of exist. 10' corr. 1" P. Culv. on R. side of stone & conc. Havall. 1 stone Havall. Build New 18' x 68' V.S.P. (enc.) S.R. Culv. with 2 Spc. Havalls. & Inlet & Culv. on R. side of stone & conc. Box Culv. with 2 Spc. Havalls.	
4	22+52 R+	Sp. V.S.P. (enc.) S.R. Culv.	12' x 70'-0"	40						66				2							300	51	Build New 12' x 70' V.S.P. (enc.) S.R. Culv. with 2 Spc. Havalls.	
5	27+34.4	Sp. Conc. Box Culv.	3' x 2' x 68'-0"	60		19.9		2010													BC-A	59	Break in exist. 18' x 24' x 2'-6" Stone & Conc. Slab Top Culv. at Sta. 27+61.5. Build Spc. 3' x 2' x 68' Conc. Box Culv. Skewed 12° L.F. at Sta. 27+34.4.	
6	34+25	Std. Conc. Box Culv.	5' x 7' x 112'-0"	265	28.5	113.1		16585	Lump							57	9.5				BC-A	60	Remove Slab of exist. 11' x 5' x 18'-2" Stone & Conc. Slab Top Culv. at Sta. 33+85. Build New 5' x 7' x 112'-0" Std. Conc. Box Culv. Skewed 57° L.F. Excavate Channel & Place 3.5 Sq. Yd. Stone Rip-Rap grouted	
7	42+42	Sp. V.S.P. (enc.) Culv.	74' x 66'-0"	50		2.2		59		64				1							300	59	Remove exist. 18' x 30' corr. 1" P. Culv. @ Sta. 42+50. Build Spc. 24' x 66' V.S.P. (enc.) Culv. with Spc. Havall. on R. side of stone & conc. Box Culv. on L.F.	
8	51+14	Mod. Std. Conc. Box Culv.	10' x 7' x 84'-0"	60		96.1		13474	Lump							39					BC-A	62	Remove parts of exist. 12' x 2 1/2' x 5'-6" x 21'-2 1/2" Conc. Slab Top Struct. Build 10' x 7' x 84'-0" Conc. Box Culv.	
11	86+00 R+	Sp. V.S.P. (enc.) S.R. Culv.	15' x 72'-0"	35		1.6		36		70				1							300	64	Build 15' x 72' Sp. V.S.P. (enc.) S.R. Culv. with Std. No. 2 C.B. on L.F. & spc. Havall. on R.F.	
12	92+10	Std. Conc. Box Culv. (Ext)	3' x 3' x 13'-0"	3		4.6		436								4.3					BC-A	65	Build 3'-0" x 3'-0" x 13'-0" Conc. Box Culv. Ext. on L.F. Apply Type "B" Waterproofing 36" Wide, & Dowel. New Structure 6' Old.	
13	93+08.95	Sp. Conc. Box Culv.	3' x 2' x 50'-4"	40		14.6		1494		12						4.3					BC-A	65	Remove 24' x 23' x 3'-6" Stone Box Culv. @ Sta. 93+15. V.S.P. 6' 2" of 3' x 3' Conc. Box Culv. Build 3' x 2' x 50'-4" Spc. Conc. Box Culv. with One-Way Chamber Along Std. M.H. Casing & Comp. Inlet 3' x 3' Conc. Box Culv. on L.F. & with 2' x 2' Conc. Inlet on R.F. having Std. 2' x 2' Chamber with Conc. Bldg. in R. end. Build 3' x 3' x 78' Spc. Conc. Box Culv. with Top Dwg. Equipped with Std. No. 2 C.B. on R.F. & having Std. 2' x 2' Chamber with Conc. Bldg. in R. end. Build 3' x 3' x 78' Spc. Conc. Box Culv. with Top Dwg. Equipped with Std. No. 2 C.B. on R.F. & having Std. 2' x 2' Chamber with Conc. Bldg. in R. end.	
14	102+00	Sp. Conc. Box Culv.	3' x 3' x 78'-0"	75		26.1		2493													BC-A	66	Remove exist. 30' x 40'-0" corr. 1" P. Culv. Build 3' x 3' x 78' Spc. Conc. Box Culv. with Top Dwg. Equipped with Std. No. 2 C.B. on R.F. & having Std. 2' x 2' Chamber with Conc. Bldg. in R. end.	
15	111+97.25	Sp. Conc. Box Culv.	3' x 3' x 64'-3/8"	90	35	25.7		2303													BC-A	66	Remove exist. 30' x 40'-0" corr. 1" P. Culv. Build 3' x 3' x 64'-3/8" Spc. Conc. Box Culv. with Top Dwg. Equipped with Std. No. 2 C.B. on R.F. & having Std. 2' x 2' Chamber with Conc. Bldg. in R. end. Excavate Channel and Place 18" Stone Rip-Rap grouted at Outlet.	
Extra				30		6.9		143		27						5.4	4.8				BC-A			
Total				900	63.5	350.0		43000	Lump	700	10	64	64		6	2	110.0	20.0				300		
PROPOSAL No. 1 41' PAVEMENT																								
16	174+46	Sp. V.S.P. (enc.) Culv.	24' x 67'-0"	35		2.0		61		60.8											300	67	Remove exist. 3'-6" x 5'-6" x 54'-0" Stone Culv. Build 24' x 67'-0" Spc. V.S.P. (enc.) Culv. with Std. Comb. Manhole & Inlet on left and special M.H. on right.	
TOTALS				35		2.0		61		60.8														
PROPOSAL No. 2 41' PAVEMENT (FED. AID DOES NOT PARTICIPATE)																								
17	206+28.29	Sp. V.S.P. (enc.) Culv.	24' x 74'-0"	90		1.8		53		60.2											300	71	Remove exist. 24' x 5'-6" V.S.P. Culv. Build 24' x 74'-0" Spc. V.S.P. (enc.) Culv. with 2 Std. Comb. Manhole & Inlets and with Std. Hd. Wall on L.F.	
TOTALS				90		1.8		53		60.2														

STRUCTURES OVER 20' (NO WORK REQUIRED)						
No	Station	Type	Size	Span	Adjusting Ex. App. Slabs. Lump	Remarks
PROPOSAL No. 1 20' PAVEMENT						
9	60+28.85	Std. Conc. Beam	24' Rdwy	45'		No work required
PROPOSAL No. 1 20' PAVEMENT						
10	80+35.6	Std. Conc. Beam	29' Rdwy	36'	Lump	Adjust App Slabs.

SUMMARY of QUANTITIES

FED.AID DIST. No	STATE	FED.AID PROJ. No	FISCAL YEAR	70 82
10	OHIO	581-G	1933	

SH. 65 SEC. B, PT. C
MONTGOMERY COUNTY

ROADWAY DRAINAGE

Sheet No	V.S.P. M6.8 (a) P.C.P. M6.5 Gravel Backfill Dr. Tile M6.7(b)										Corr. M.P. M-6.4				Headwalls			Std. No 1 Inlets		Std. No 2 Catch Basins		Special Catch Basins	
	Lin. Ft.										Lin. Ft.				Exc.	Steel	Conc.	Std. Dwg. I-8 IN		Basins		Sheet No. 68	
	8"	10"	12"	15"	18"	24"	8"	10"	12"	18"	24"	Cu. Yds	Lbs.	1.5 Mix Cu. Yds	8"	10"	12"	Each	Each	No. 1	No. 2		
20'-0" PAVEMENT PROP. No 1																							
5			376		288	334			106	46	92	4	40	1.4			3	9					
6			1281		5345				154	44		6	65	2.4			5	7		1			
7	182	353	348	110				76	220			2	20	0.7			2	4	5				
8	142	341	376	522				226	112	48	232		12	120	4.9		3	3	5		1		
9			228		24						26								1				
10	400	50						132	24			8	80	2.8	3				1				
Extra	76	56	41	68	535	40	56	52	62	10	8	8	75	7.8	1	1	2	2					
TOTALS	800	800	2650	700	9000	600	300	200	800	100	100	40	400	20.0	4	6	17	30	1	1			
30'-6" PAVEMENT PROP. No 1																							
10	256																						
11		324						48				2	20	0.7			2						
Extra	24	76						44									1		2				
TOTALS	280	400						92				2	20	0.7			3		3				

STORM SEWER

Sheet No	V.S.P. M-6.8(a) P.C.P. M-6.5				V.S.P. M-6.8(b) R.C.P. M-6.6(b)		V.S.P. M-6.8(a) Encased R.C.P. M-6.6(b)		Std. Comb. M.H. & Inlet Dwg. D-8F		Std. Comb. Inlet Dwg. D-8D		Std. M.H. Dwg. D-8E		Std. No 2 Catch Basins		Headwalls			
	Lin. Ft.				Lin. Ft.		Lin. Ft.		Each	Each	Each	Each	Each	Each	Each	Each	Exc.	Steel	Conc.	
	12"	15"	18"	24"	36"	12"	15"	18"	Each	Each	Each	Each	Cu. Yds	Lbs.	1.5 Mix Cu. Yds					
30'-6" WIDTH PAV'T. PROP. No 1																				
10			198					4025						1						
11	201.26		470	699				89.00		79	4			2		2	25	1.0		
TOTALS	201.26		668	699				129.25		79	5			2		3	25	1.0		
41'-0" WIDTH PAV'T. PROP. No 1																				
11	443.74		227					125		3	2									
12	377	1216	2535	223.5				262.5		40.3	8	8		1						
TOTALS	820.74	1216	480.5	223.5				387.5		40.3	11	10		1						
PROP. No 3 41'-0" WIDTH PAV'T. FED. AID DOES NOT PARTICIPATE																				
13	303.5	58	130.19					112	225.5	101.5		9	8				4	45	2.4	
TOTALS	303.5	58	130.19					112	225.5	101.5		9	8				4	45	2.4	

ADJUSTMENTS

Sheet No	Remove, Reset & Adjust to Grade Existing					Adjust to Grade Existing				
	Fire Hydrants	Water Valve Boxes	Gas Service Boxes	Water Service Boxes	Manholes	Fire Hydrants	Water Valve Boxes	Gas Service Boxes	Water Service Boxes	Manholes
	Each	Each	Each	Each	Each	Each	Each	Each	Each	Each
41'-0" WIDTH PAV'T. PROP. No 1										
12	2	2				3			5	
Extra	1	2				2			1	
TOTALS	3	4	* 1	1	1	5	*	1	6	1
PROP. No 3 41'-0" WIDTH PAV'T. FED. AID DOES NOT PARTICIPATE										
13	1		7	9	2	7	1	9	9	
Extra	1	1			1	1	2	2	1	
TOTALS	2	1	* 8	10	3	8	* 3	5	10	

Note:
All work pertaining to Gas Mains & their connections is to be done by and at the expense of the Dayton Power & Light Co.
All work pertaining to Water Mains and their connections is to be done by and at the expense of Montgomery County and the City of Dayton.

SODDING ITEM I-16

Sheet No	5q. Yds
41'-0" WIDTH PAV'T. PROP. No 1	
12	775.5
Extra	124.5
TOTAL	900.0

PRIVATE DRIVES & ROAD APPROACHES

Sheet No	No. 46 Aggr. Pav't.		6" Pav't. Item T-70		Corr. I.P. M-6.4				Headwalls			Deduction Type III Mod. Curb		Addition Type I Mod. Curb		Deduction for 4" Conc. Walk		18" Stone Rip-Rap (Grouted)			
	Cu. Yds		Sq. Yds		Lin. Ft.				Exc.	Steel	Conc.	Lin. Ft.		Lin. Ft.		Lin. Ft.		Sq. Yd.	Cu. Yds		
	9"-7"-3"	9"-7"-3"	8"	12"	18"	24"	Cu. Yds	Lbs.	1.5 Mix Cu. Yds	Lin. Ft.	Lin. Ft.	Lin. Ft.	Sq. Yd.	Cu. Yds							
20'-0" WIDTH PAV'T. PROP. No 1																					
5 Approach		675.0																			
5	48	269.3	95.9																		
6	73	293.0	155.5		122	24															
7	92	288.6	238.0		76																
8	71	156.6	539.9																		
9	32	193.1	128.0	38	86																
10	36		170.2		24		82	18	152	6.8									12		
Extra	8	124.4	122.1		24															8	
TOTALS	360	2000.0	1450.0		38	337	24	82	18	152	6.8									20	
30'-6" WIDTH PAV'T. PROP. No 1																					
10	16	60.5	30.7	50						66.21	44.88	52									
11	33	147.8	171.7							79.66	109.93	172									
Extra	1	41.7	17.6																		
TOTALS	50	250.0	280.0	50						145.87	154.81	224									
41'-0" WIDTH PAV'T. PROP. No 1																					
11	20	349.3	63.6							273.62	290.68	96.5								7	
12	46	586.1	328.6							275.79	374.37	267.0									
Extra	4	64.6	37.8																	6	
TOTALS	70	1000.0	430.0							549.41	665.05	363.5								13	
41'-0" WIDTH PAV'T. PROP. No 3 FED. AID DOES NOT PARTICIPATE																					
13	46	946.7	131.5							217.97	467.94	169.1									
Extra	4	53.3	18.1																		
TOTALS	50	1000.0	150.0							217.97	467.94	169.1									

CONC. SIDEWALKS & STEPS

Sheet No	4" Conc. Walk 1.5 Mix		Conc. Steps 1.5 Mix			No. 46 Aggr.
	Sq. Ft.		10 1/2 Tread 1" Rise	18 Tread 6" Rise	12 Tread 6" Rise	
	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	
20'-0" WIDTH PAV'T. PROP. No 1						
5	5	3	8			2
6	7	9			12	3
7	479.2	18	3			2
8	10	6				4
9	30	3				1
10	14	17				4
Extra	154.8	14	9	8		14
TOTALS	700.0	70	20	20	30	30
30'-6" WIDTH PAV'T. PROP. No 1						
10	1700	6				
11	3589.5	77			24.5	3
Extra	210.5	17			10.5	2
TOTALS	5500.0	100			35.0	5
41'-0" WIDTH PAV'T. PROP. No 1						
11	9212.1					
12	9266.0	76				
Extra	261.9	24				
TOTALS	18800.0	100				
41'-0" WIDTH PAV'T. PROP. No 3 FED. AID DOES NOT PARTICIPATE						
13	15605.2	44.5			9	
Extra	194.8	15.5			6	
TOTALS	15800.0	60.0			15	

TRENCH REINF. ITEM I-7

Sheet No	Weight Lbs
20'-0" WIDTH PAV'T. PROP. No 1	
5	489
6	3092
7	887
8	489
9	1140
Extra	903
TOTAL	7000
30'-6" WIDTH PAV'T. PROP. No 1	
10	357
11	1190
Extra	453
TOTAL	2000
41'-0" WIDTH PAV'T. PROP. No 1	
11	928
12	4407
Extra	665
TOTAL	6000
41'-0" WIDTH PAV'T. PROP. No 3 FED. AID DOES NOT PARTICIPATE	
13	6802
Extra	1198
TOTAL	8000

REMOVAL OF EXISTING TYPE "B" GUARD RAIL

Sheet No	Lin. Ft.
20'-0" WIDTH PAV'T. PROP. No 1	
6	318
7	78
8	584
TOTAL	980

To be hauled to The State Highway Garage in Dayton Ohio

CONNECTIONS OF EXISTING FIELD DRAINS TO NEW UNDERDRAIN

Sheet No	Field Tile (Incl. Necessary Connections)				Conc. Pipe Each		Conc. Gutter Sheet #34 Lin. Ft.
	3"	4"	6"	8"	5"	8"	
	Each	Each	Each	Each	Each	Each	
20'-0" WIDTH PAV'T. PROP. No 1							
5	4	3	2				
6	1			2	1		
7							
9							
TOTALS	5	4	2	2	3		
30'-6" WIDTH PAV'T. PROP. No 1							
10	3	1					
11							
TOTAL	3	1					
41'-0" WIDTH PAV'T. PROP. No 1							
11							43.5
12							11.0
TOTAL							54.5

NOTE: PRICE BID FOR CONNECTIONS TO INCL. ALL NECESSARY PIPE & FITTINGS

SUMMARY OF QUANTITIES

FED. AID DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	5816	1933

71
82

SH. 65 SEC. B, PART C
MONTGOMERY COUNTY

ROADWAY						
EXCAVATION & EMBANKMENT						
Stations	Exc. Cu. Yds.	Emb. Cu. Yds.	Emb.+20% Cu. Yds.	Borrow Cu. Yds.	Waste Cu. Yds.	
20'-0" WIDTH PAV'T. PROP. NO 1						
0+300	15+00	938	1246	1495	557	
15+00	30+00	1252	3203	3844	2582	
30+00	45+00	3006	6740	8088	5082	
45+00	55+67.5	2765	2304	2765		
55+67.5	70+00	5142	174	203		4933
70+00	84+72.65	985	821	985		
84+72.65	121+30.5	3082	2568	3082		
121+30.5	139+79.80	2411	583	700		1711
					8231	6644
Waste taken from 30'-6" Width Pav't.						1587
					8231	
TOTALS	19581	17639	21168			
30'-6" WIDTH PAV'T. PROP. NO 1						
139+79.80	155+34.26	6345	112	134		6211
TOTALS	6345	112	134			6211
Deduct Waste used to Balance 20'-0" Width Pav't.						1587
					Net Waste	4624
41'-0" WIDTH PAV'T. PROP. NO 1						
155+34.26	170+00	5108	679	815		4293
170+00	186+00	6973	267	320		6653
186+00	192+84	2352	67	80		2272
TOTALS	14433	1013	1215			13218
41'-0" WIDTH PAV'T. PROP. NO 2 <small>FED. AID DOES NOT PARTICIPATE</small>						
192+84	212+55.51	4602	3473	4168		434
TOTALS	4602	3473	4168			434
GRAND TOTALS	44961	22237	26685	8231		26507
					Net Waste	18276

* Note: - For Disposal of Waste See Note on Sheet No 2

LOWER EXIS. WATER MAINS				
Sheet No	Cast Iron Water Mains			
	Lin. Ft.			
	4"	6"	10"	12"
41'-0" WIDTH PAV'T. PROP. NO 1				
12	368			585
Total	368			585
41'-0" WIDTH PAV'T. PROP. NO 3				
13		750	1150	
Total		750	1150	

Note. Lowering Exis. Water Mains and their connections to be done by and at the expense of Montgomery County and the City of Dayton

PROPOSAL NO. 1 - ALL WIDTHS
Price Differential between Regular Cement Sec. M-11 and High Early Strength Cement Sec. M-12. To Establish Unit Price 10 Bbl.

(Beginning of Project = Beginning of F.A.P. No 5816 & (Beginning of Proposal No 1
End of Project
Gross Length of Project 21555.51 - (49.11 for Bridge Sta 60+28.85 & 39.16 for Br. 80+35.65) = 21467.24
Net Length of Project = 21467.24 = 4.066 Miles

LENGTHS OF PROPOSALS
PROPOSAL NO 1 FED. AID PARTICIPATES
Beginning of Proposal No 1 Sta 0-300
End of Proposal No 1 Sta 192+84
Length 19584.00 Lin. Ft.
Deductions
Sta 60+28.85 Bridge = 49.11 Lin. Ft.
Sta 80+35.65 Bridge = 39.16 Lin. Ft.
Total Deductions 88.27 Lin. Ft.
Net Length of Proposal No 1 19495.73 Lin. Ft.
5280 = 3.692 Miles

PROPOSAL NO 2 FED. AID PARTICIPATES
Beginning of Proposal No 2 Sta 30+00
End of Proposal No 2 Sta 30+60
Length 67.16 Lin. Ft.
3280 = 0.012 Miles

PROPOSAL NO 3 FED. AID DOES NOT PARTICIPATE
Beginning of Proposal No 3 Sta 192+84
End of Proposal No 3 Sta 212+55.51
Length 1971.51 Lin. Ft.
5280 = 0.373 Miles

ITEM NO T-70
PAVEMENT CALCULATIONS
PROPOSAL NO 1 WIDTHS 20'-0" - 30'-6" & 41'-0" PAV'T.
20'-0" WIDTH PAV'T.
Beginning of 20'-0" Pavement Sta 0+00
End of 20'-0" Pavement (See Sheet No 10) Sta 139+79.80
Gross Length of 20'-0" Pav't. 13979.80 Lin. Ft.
Deductions
Sta 60+28.85 (Bridge See Sheet No 7) 49.11 Lin. Ft.
Sta 80+35.65 (Bridge See Sheet No 8) 67.16 Lin. Ft.
Total Deductions 116.27 Lin. Ft.
Net Length of 20'-0" Pav't. 13863.53 Lin. Ft.
13863.53 X 20 X 1/8 = 30807.8 Sq. Yds.
Extra Pav't. (See Summary) 20000 Sq. Yds.
Total 20'-0" Width Pav't. Item No T-70 32807.8 Sq. Yds.

30'-6" WIDTH PAV'T.
Beginning of 30'-6" Pav't. Sta 139+79.80
End of 30'-6" Pav't. Sta 155+34.26
Net Length of 30'-6" Pav't. 1554.46 Lin. Ft.
1554.46 X 30.5 X 1/8 = 5267.9 Sq. Yds.
Extra Pav't. (See Summary) 250.0 Sq. Yds.
Total 30'-6" Width Pav't. Item No T-70 5517.9 Sq. Yds.

41'-0" WIDTH PAV'T.
Beginning of 41'-0" Pav't. Sta 155+34.26
End of 41'-0" Pav't. Proposal No 1 Sta 192+84.00
Net Length 41'-0" Pav't. 3749.74 Lin. Ft.
3749.74 X 41 X 1/8 = 17082.1 Sq. Yds.
Extra Pav't. (See Summary) 10000 Sq. Yds.
Total 41'-0" Width Pav't. Item No T-70 18082.1 Sq. Yds.

PROPOSAL NO 3 FED. AID DOES NOT PARTICIPATE
41'-0" WIDTH PAV'T.
Net Length of Proposal No 3 (See Above) 1971.51 Lin. Ft.
1971.51 X 41 X 1/8 = 8981.3 Sq. Yds.
Extra Pav't. (See Summary) 10000 Sq. Yds.
Total 41'-0" Width Pav't. Item No T-70 9981.3 Sq. Yds.

CALCULATIONS TYPE III MOD. CURB
PROPOSAL NO 1 FED. AID PARTICIPATES
TYPE III MOD. CURB FOR 30'-6" WIDTH PAV'T.
Net Length of 30'-6" Pav't. 1554.46 Lin. Ft.
Length of Type III Mod. Curb (One Side) 1554.46 Lin. Ft.
Deduction (See Summary) 145.87 Lin. Ft.
Total Type III Mod. Curb (30'-6" Width Pav't.) 1408.59 Lin. Ft.
TYPE III MOD. CURB FOR 41'-0" WIDTH PAV'T.
Net Length of 41'-0" Pav't. 3749.74 Lin. Ft.
3749.74 X 2 = 7499.48 Lin. Ft.
Deduction (See Summary) 549.41 Lin. Ft.
Total Type III Mod. Curb (41'-0" Width Pav't.) 6950.07 Lin. Ft.

PROPOSAL NO 3 FED. AID DOES NOT PARTICIPATE
TYPE III MOD. CURB FOR 41'-0" WIDTH PAV'T.
Net Length of Proposal No 3 1971.51 Lin. Ft.
1971.51 X 2 = 3943.02 Lin. Ft.
Deduction (See Summary) 217.97 Lin. Ft.
Total Type III Mod. Curb (Prop. No 3 41'-0" Width Pav't.) 3725.05 Lin. Ft.

FINISHING SHOULDERS, SLOPES & DITCHES (BOTH SIDES)
PROPOSAL NO 1 FED. AID PARTICIPATES
20'-0" WIDTH PAV'T.
Gross Length 20'-0" Pav't. 13979.80 Lin. Ft.
Deductions
Sta 60+28.85 (Bridge See Sheet No 7) 50.20 Lin. Ft.
Sta 80+35.65 (Bridge See Sheet No 8) 40.00 Lin. Ft.
Total Deductions 90.20 Lin. Ft.
13889.60 Lin. Ft.
Addition Sta 0+00 Approach (See Sheet No 5) 330.00 Lin. Ft.
Net Length, Finishing Shoulders, Slopes & Ditches (Both Sides) 14219.60 Lin. Ft.

30'-6" WIDTH PAV'T.
Net Length of 30'-6" Pav't. 1554.46 Lin. Ft.
Net Length, Finishing Shoulders, Slopes & Ditches (Both Sides) 1554.46 Lin. Ft.
41'-0" WIDTH PAV'T.
Net Length of 41'-0" Pav't. 3749.74 Lin. Ft.
Net Length, Finishing, Shoulders, Slopes & Ditches (Both Sides) 3749.74 Lin. Ft.

PROPOSAL NO 3 FED. AID DOES NOT PARTICIPATE
41'-0" WIDTH PAV'T.
Net Length Prop. No 3 1971.51 Lin. Ft.
Net Length, Finishing Shoulders, Slopes & Ditches (Both Sides) 1971.51 Lin. Ft.

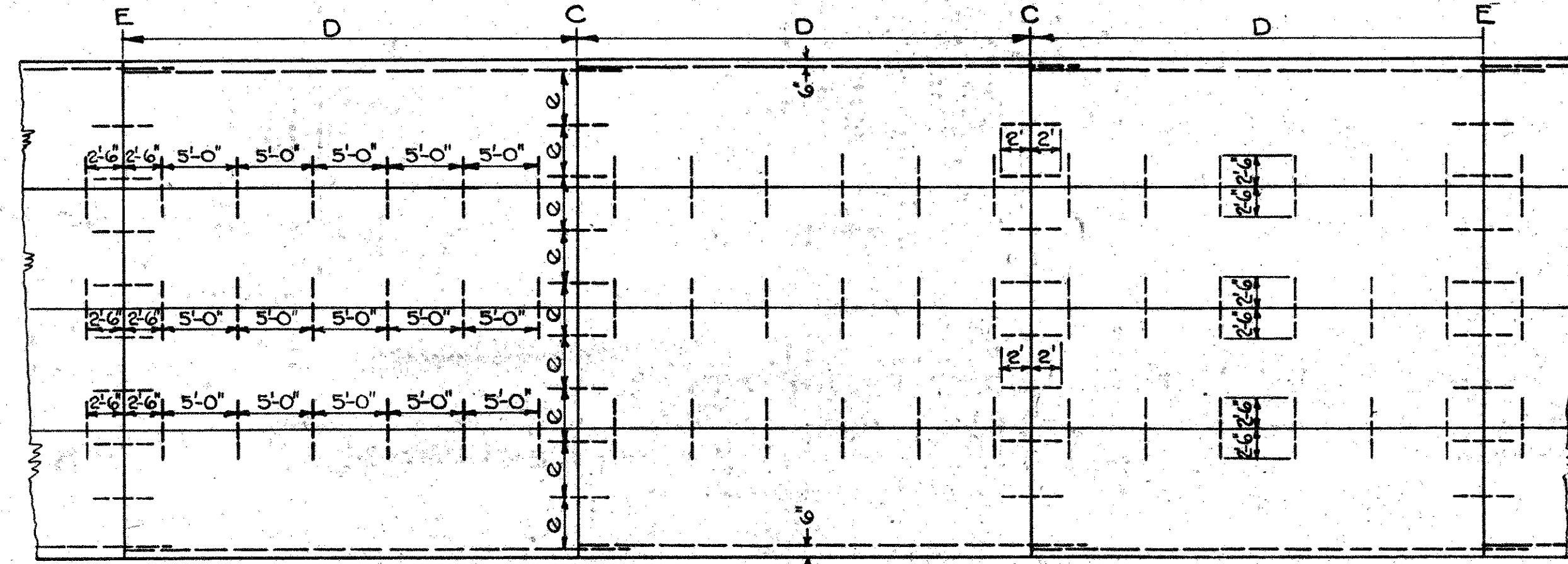
NO 16 AGGREGATE FOR BERMS (PLACE AS DIRECTED)
PROPOSAL NO 1 - FED. AID PARTICIPATES
20'-0" WIDTH PAV'T.
13863.5 x 2 x 0.5 x 2/27 = 1026.9 Use 1050 Cu. Yd.
30'-6" WIDTH PAV'T.
1554.5 x 2 x 0.5 x 27 = 57.6 Use 65 Cu. Yd.

PROPOSAL NO 1 - ALL WIDTHS
Crushed Gravel or Stone - Pit Run as per 1933 Specifications. To Establish Unit Price 1 Cu. Yd.

STONE UNDERDRAIN ITEM I-9 (PLACE AS DIRECTED) See Sheet #3.
PROPOSAL NO 1 - FED. AID PARTICIPATES
20'-0" WIDTH PAV'T. 3000 Lin. Ft.
30'-6" WIDTH PAV'T. 1000 Lin. Ft.

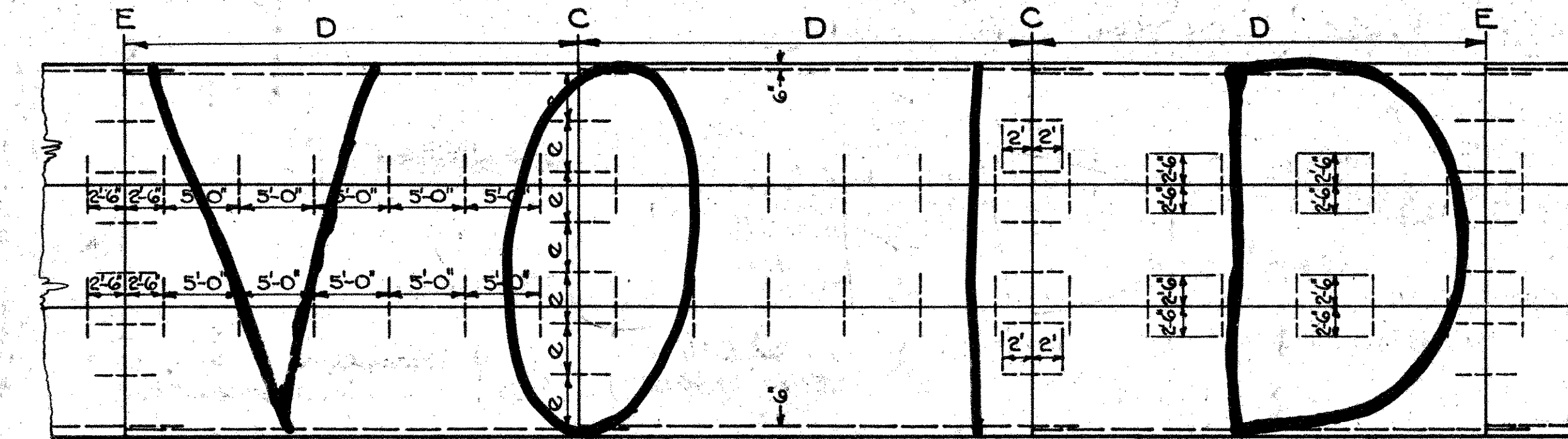
GENERAL NOTES

41' PAV'T.
DETAIL OF LONGITUDINAL & TRANSVERSE JTS.



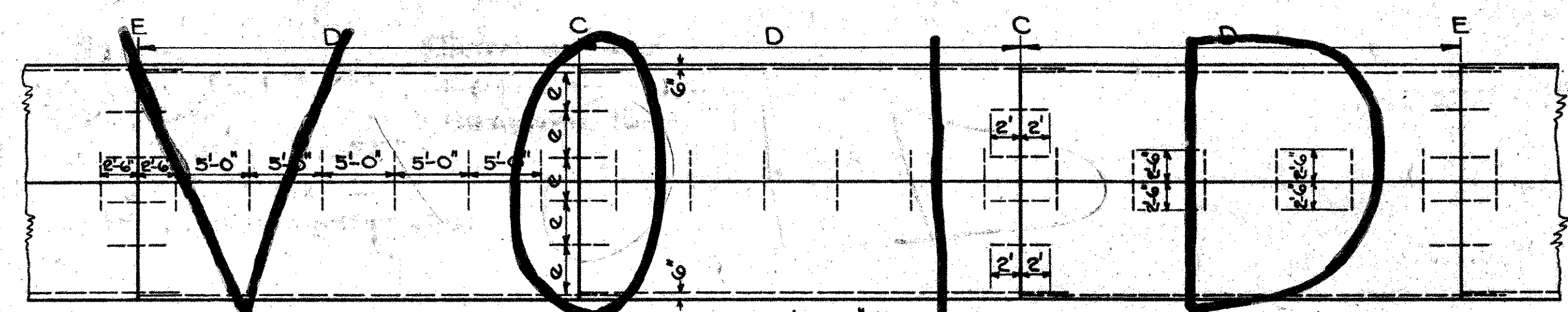
E = Expansion
D = 30' for gravel aggregate
Ratio of number of "C" joints to "E" joints to be as per specifications.
e = 4'-5 3/8"
D = 40' for stone or slag aggregate
C = Contraction

30'-6" PAV'T.
DETAIL OF LONGITUDINAL & TRANSVERSE JTS.



E = Expansion
D = 30' for gravel aggregate
e = 4'-2 5/8"
D = 40' for stone or slag aggregate
C = Contraction

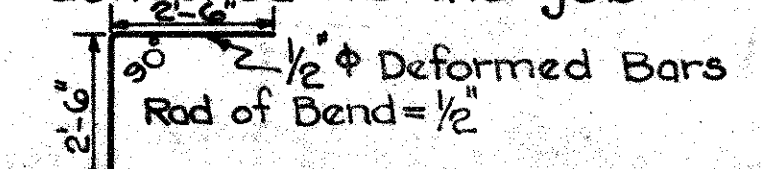
20'-0" PAV'T.
DETAIL OF LONGITUDINAL & TRANSVERSE JT.



E = Expansion
D = 30' for gravel aggregate
e = 3'-9 3/8"
D = 40' for stone or slag aggregate
C = Contraction

LONGITUDINAL JOINT NO. T-70-J

In case Std. Dwg. No. T-70-J is used, the Contractor may remove one center joint plate after key is formed and providing the pavement is placed in 10ft. lanes.
The Contractor may use other methods for forming key than the metal joint if approved by the Engineer.
The longitudinal joint No. T-70-J shall be placed prior to the pouring of the first half of the slab and one-half of the dowels shall extend into the slab, the other half shall rest in the groove of the joint No. T-70-J. The dowels shall be bent as shown below before being delivered to the job



SPECIAL ATTENTION
ALL CONSTRUCTION SHALL BE PERFORMED & MATERIALS FURNISHED AS PROVIDED UNDER THE RESPECTIVE ITEMS OF THE CONSTRUCTION & MATERIAL SPECIFICATION REVISIONS AS OF JUNE 25, 1932, & FURTHER AMENDED & ADOPTED UNDER DATE OF AUG. 1, 1932

PIPE REMOVAL
Removal of existing pipe, unless otherwise noted, is included for payment with excavation. Pipe removed shall be neatly piled on the Right of Way at the disposal of the State Highway Maintenance Forces.

REMOVAL OF EXISTING PAV'T.
Any Existing Pavement that is to be removed is included for payment in the price bid per cu. yd. of Roadway Excavation and if used as embankment shall be broken up as follows:- No pieces of old concrete having a dimension greater than six inches will be permitted within six inches of the finished surface of the sub-grade or shoulders.

DRIVEWAY CULVERTS & PIPE UNDERDRAIN
On all Private Drive Culverts and Lines of Pipe Underdrain ending with Concrete Headwalls, the Contractor shall place dry rock rip-rap in a manner satisfactory to the Engineer, on the slopes adjacent to the end of the pipe. Payment for same to be included in the price bid per lin. ft. of pipe

CIRCULAR CURBS
Type I Modified Curb shall be used in place of Type III Modified Curb around all radii at Intersections or as directed by the Engineer and as shown on detailed plans of intersections. Circular Curbs are measured along the back of the Curb

6" CONCRETE DRIVEWAYS ITEM T-10
The price bid per sq. yd. for 6" Conc. Driveways is to include the cost of removing any existing Driveway pavement and the necessary excavation and backfill.

4" CONCRETE WALKS
The price bid per sq. ft. of 4" Concrete Sidewalk is to include the cost of removing any existing concrete walk, the necessary excavation and backfill and 5" Gravel Sub-drainage Item I-13.07 of the specifications. No. 46 Aggregate allowed for private walks to Residence Property shall be placed as directed by the Engineer.

GRADES
Special care must be used in setting Inlet grades and the finishing of the gutters to insure proper drainage of the pavement.

SODDING ITEM I-16
Where sod is to be placed the surface shall be covered with not less than 3 inches of Top Soil in accordance with Item I-16.03 of the specifications. All sod shall be maintained for a period of 60 days after the placing of same in accordance with Item I-16.04 of the specifications

STORM SEWER JOINTS
All joints for Storm Sewer shall be cemented as specified under Item I-2.16
The joint shall be protected from slipping or being otherwise injured until the mortar has attained its initial set.

PREMOULDED EXPANSION JOINT
Where Pre-moulded Expansion Joint is used, the section thru the curb and pav't. shall be cut in one piece to the contour of the curb and pav't. less 1/2 inch and shall have a minimum length of 5'-0"

EXCAVATION IN ROCK
All excavation is to be unclassified on this project. Where rock is encountered, payment is to be included in the price bid per cu. yd. for excavation unclassified and in the price bid per lin. ft. for Pipe Underdrain and Storm Sewer

SPECIAL REINF. CURB
Where Special Reinf. Curb occurs curb is to be poured after pavement has set. Included for payment with Type III Mod. Integral Conc. Curb.

EXISTING MACADAM PAVEMENT
The entire macadam pavement shall be thoroughly scarified and leveled off so as to form a porous sub-base before any material is placed upon it.
Payment for the above item is to be included in the price bid per sq. yd. of pavement.

GAS MAINS
All work pertaining to Gas Mains and services necessitated by this improvement is to be done by and at the expense of The Dayton Power & Light Co.

DISPOSAL OF WASTE
SEE NOTE ON SHEET 2 FOR THIS ITEM

JOINT CONSTRUCTION
SEE NOTE ON SHEET 2

TRAFFIC AT INTERSECTIONS
Traffic is to be maintained at all times at all intersections. This may be done either by bridging, by using High Early Strength Cement, or by part at a time construction.
Payment for the above item is to be included in the price bid per sq. yd. for concrete pavement.
NOTE:-

Where pavement is poured part at a time the longitudinal joint shall be filled with F-1 Filler as directed. Payment to be included in unit price bid per sq. yd of concrete pavement.

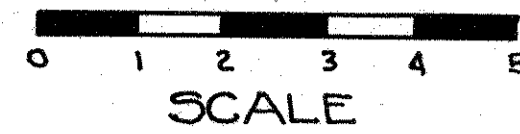
EQUIPMENT REQUIRED
Unless otherwise permitted by the Engineer the Contractor must have the following equipment on the job before work is started:- Adequate Pumps - Steel Forms - Concrete Mixer of Approved Type - Finishing Machine of Approved Type - Ten Ton Power driven Roller - Excavating and Hauling equipment suitable to Engineer - Pneumatic Tamper and Air Compressor - Burlap and Canvas - Small Tools.

GRADE LINE FOR EQUAL YARDAGE

41'-0" PAVEMENT
The yardage quantities for this project from Sta 192+84 to Sta 212+55.51 are calculated using a theoretical section 41' wide 8" thick 4 3/4 crown with Mod. Type III 4' Integral Curbs on both sides and 8' berms as shown on sheet No. 3
To maintain the same yardage and substitute a 9'-1"-9" Conc. Pav't. 41' wide, with Mod. Type III 4' Integral Conc. Curbs on both sides, 3 3/4 crown and 8' berms, the profile grade should be lowered 0.09'

For Additional Notes See Next Sheet

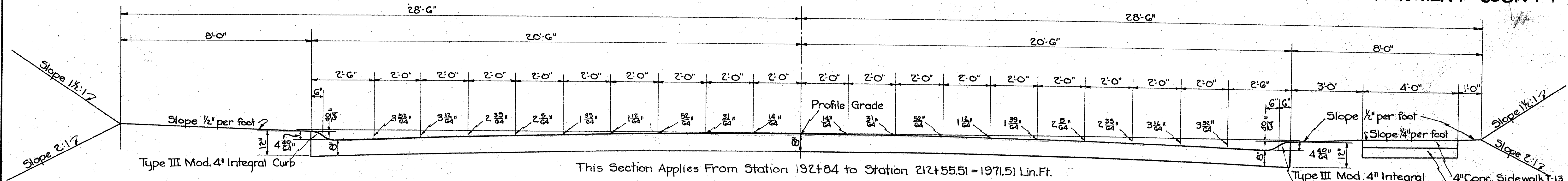
THEORETICAL SECTION



FED. AID DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
10	OHIO	N.R.M. 581-H	1933

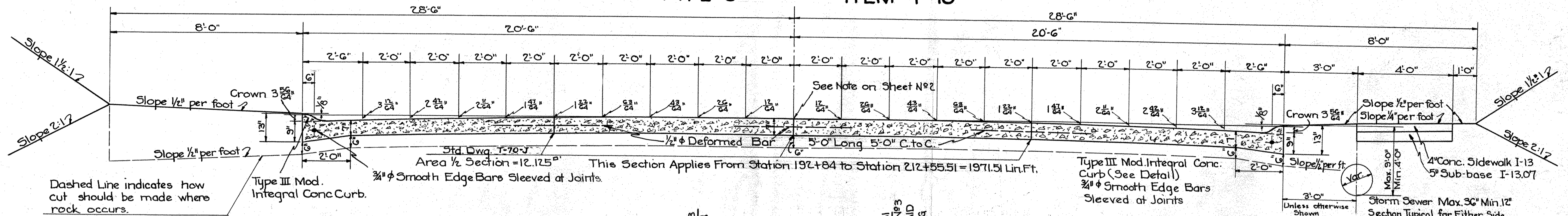
13
82

S.H. 65 SEC. PART DAYTON
MONTGOMERY COUNTY

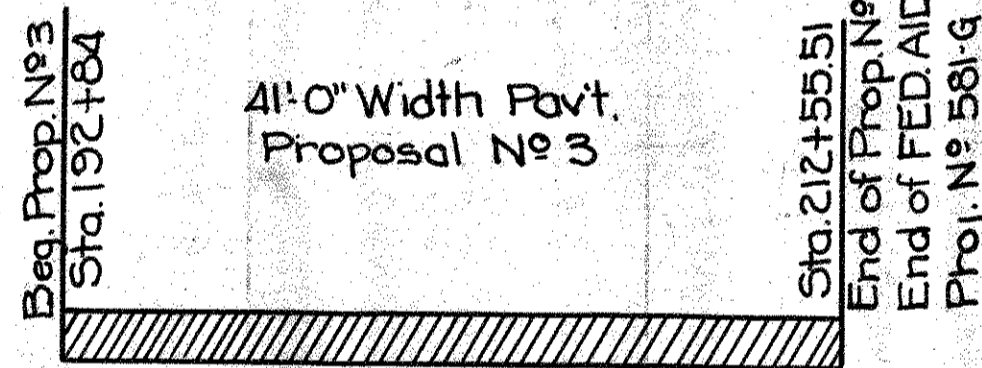


Above Sidewalk Section Typical for Either or Both Sides as Noted on Plans.

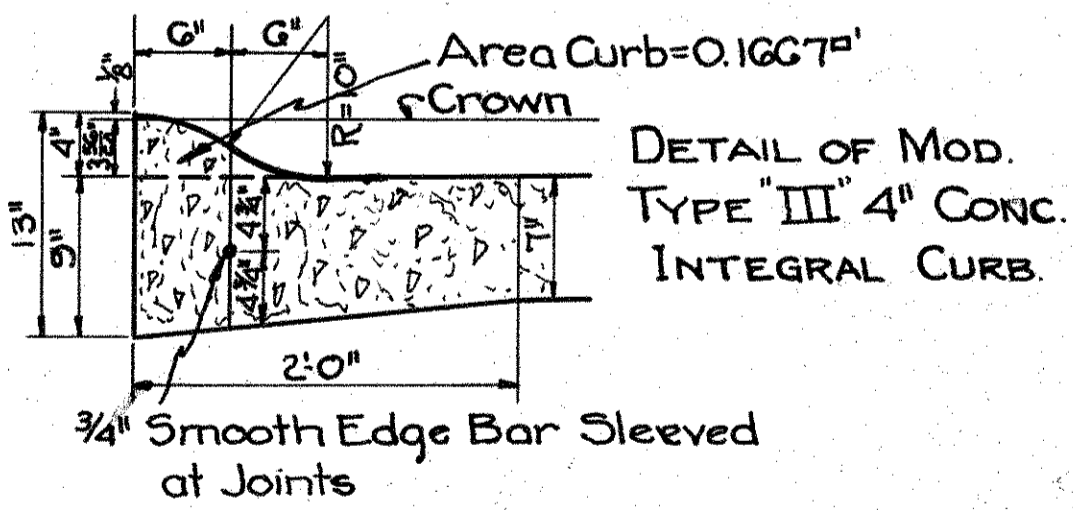
TYPICAL SECTION TYPE C ITEM T-70



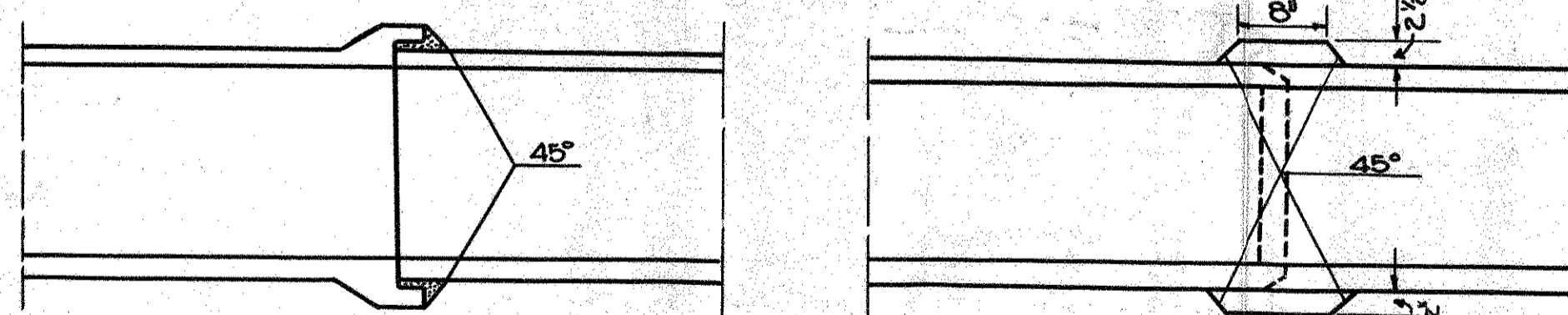
Dashed line indicates how cut should be made where rock occurs.



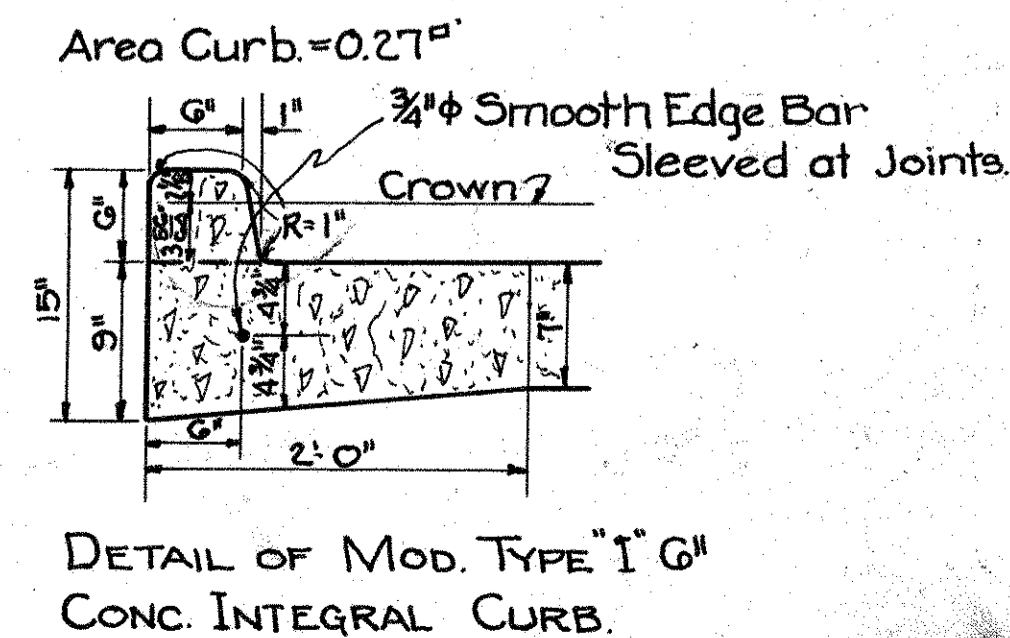
7-20-33
R.C.A.



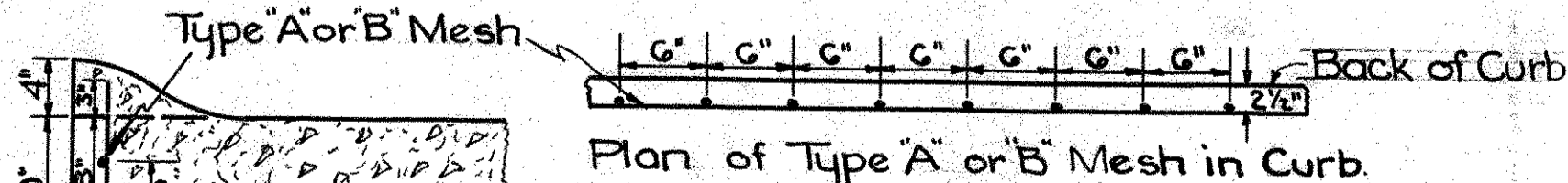
BELL & SPIGOT JOINT MODIFIED JOINT



Whenever Conc. Pipe is used for Storm Sewer or as an Alternate for V.S.P. (Enc.), the Joints shall be cemented as shown in the pertinent accompanying sketch. All joints on Storm Sewer to be cemented.



SPECIAL REINF. CURB SECTION



This Reinf. Curb Section Applies:~

From Sta. 199+37.72 to Sta. 200+13.72 Rt. = 76.00 Lin. Ft.
" " 203+93.55 to " 204+79.98 Rt. = 86.43 " "
" " 204+77.67 to " 205+61.25 Lt. = 83.63 " "
" " 206+96.46 to " 207+72.46 Rt. = 76.00 " "
Total 322.06 Lin. Ft.

Special Reinf. Curb included for Payment with Type III Mod. Integral Conc. Curb.

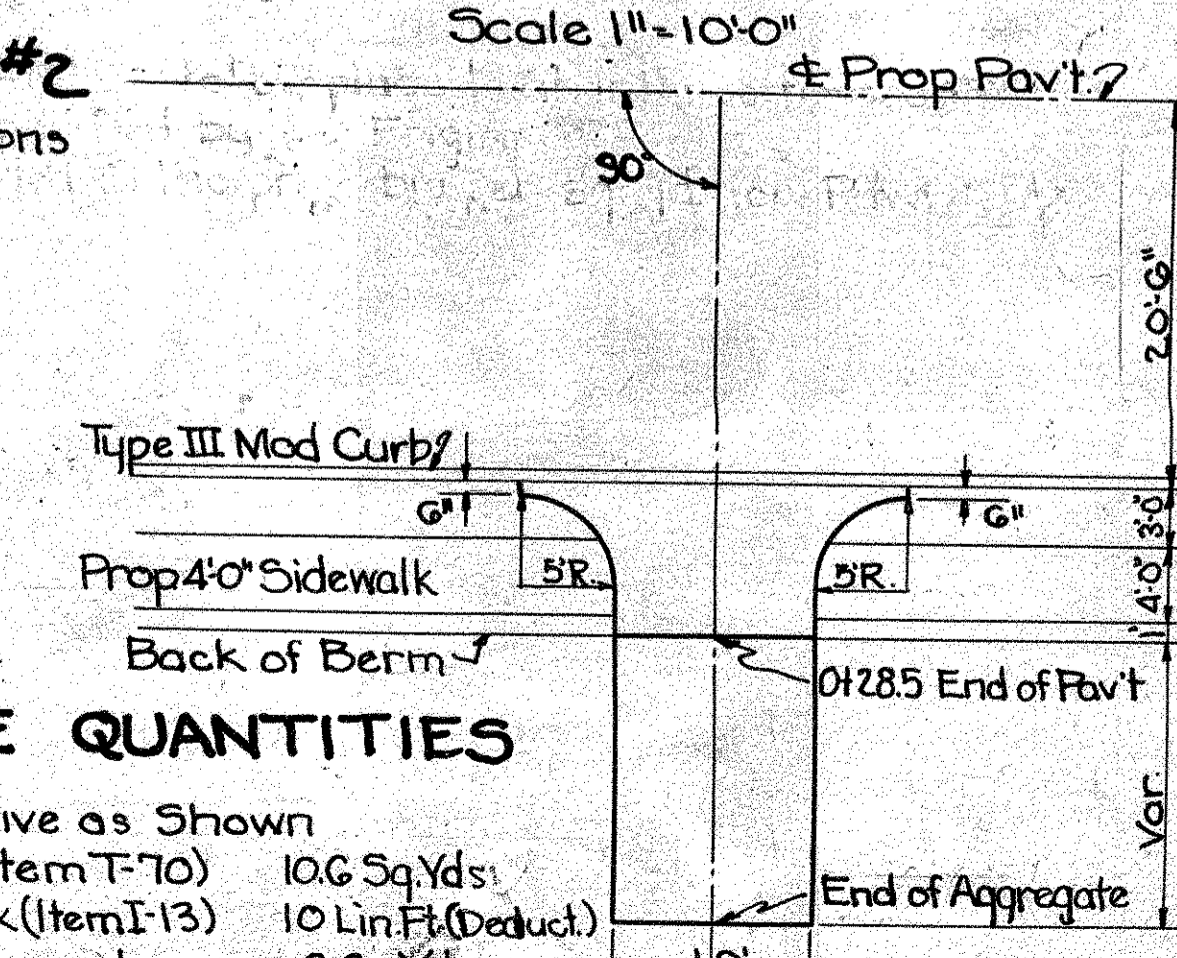
TYPICAL PRIVATE DRIVE #2

To Be Used at the Following Stations

- 4" PAVEMENT
- Station 200+55 Rt.
 - " 201+00 Lt.
 - " 201+98 Rt.
 - " 204+74 "
 - " 205+11 "
 - " 205+92 "
 - " 207+98 "
 - " 208+35 "
 - " 209+16 "

TYPICAL PRIVATE DRIVE #2

Scale 1" = 10'-0"



FED. AID DIST. NO.	STATE	FED. AID PROJ. N.R.M.	FISCAL YEAR
10	OHIO	581-H	1933



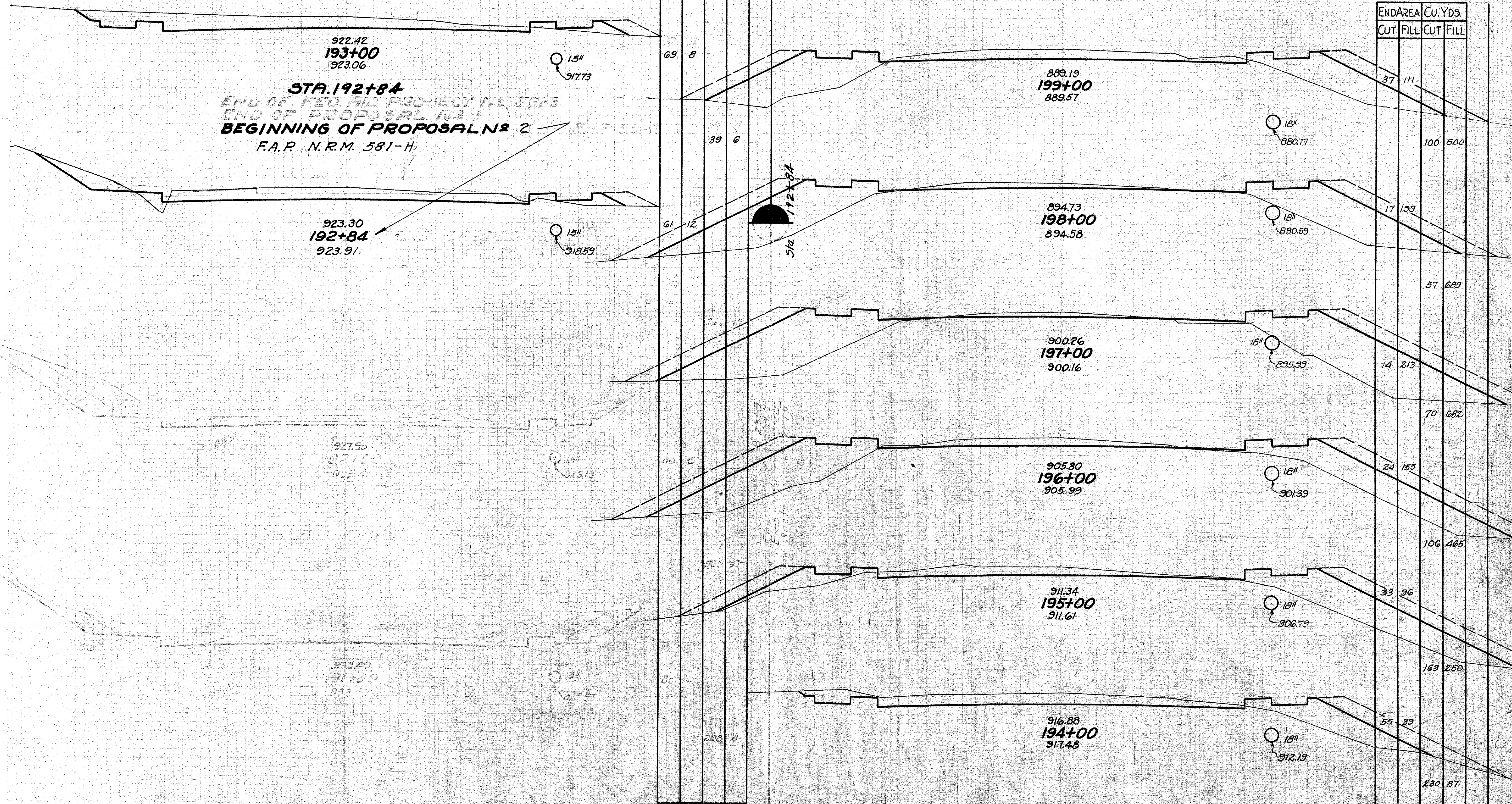
S.H. 65 SEC. "PT. DAYTON" MONTGOMERY COUNTY

Note: Dashed lines show how part of Waste is to be disposed. See Note on Sheet No 72

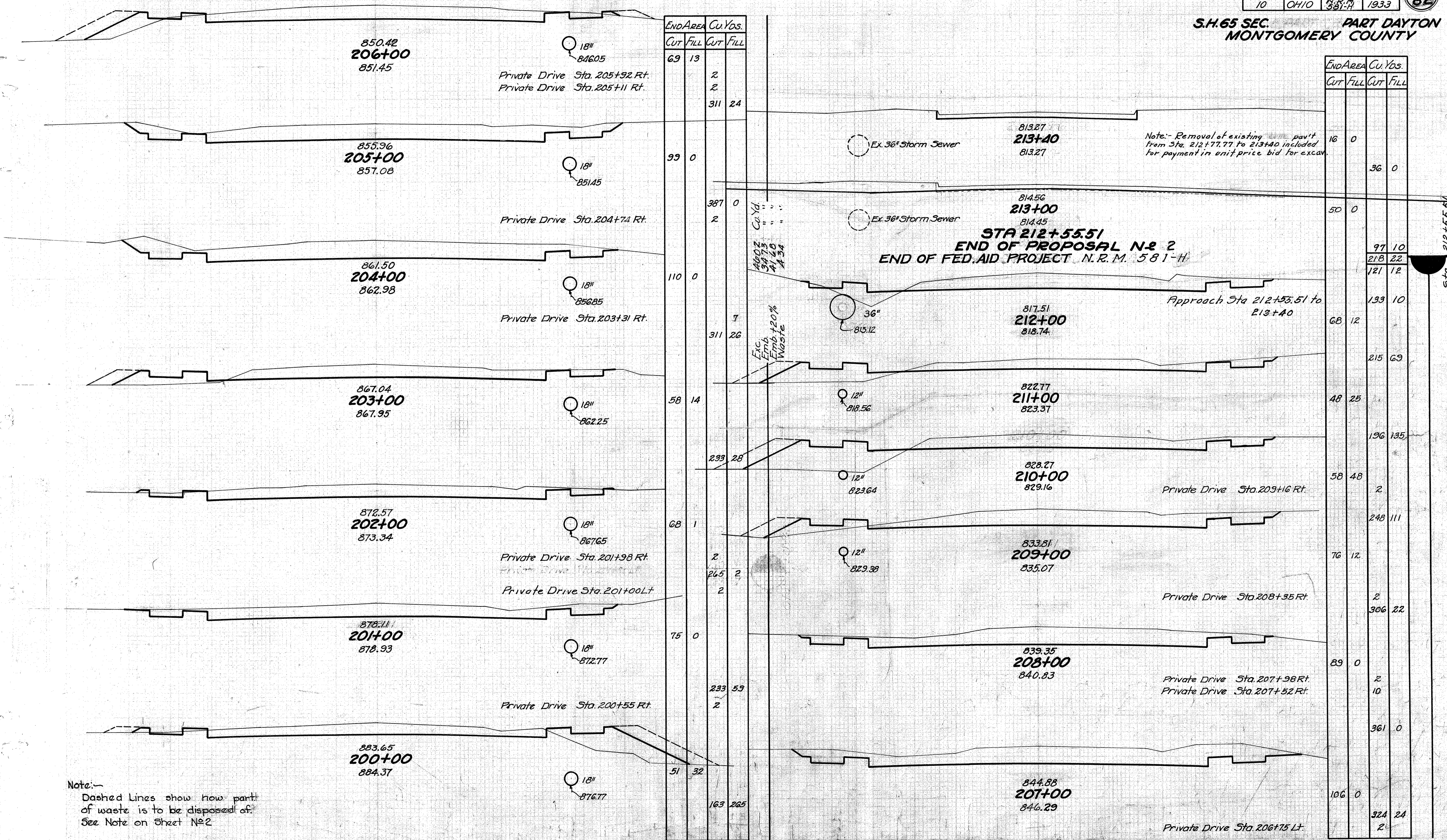
END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
69	8		
39	6		
61	12		
110	0		
90	0		
82	0		
228	0		

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
37	111		
		100	500
17	159		
		57	689
14	213		
		70	682
24	155		
		106	465
33	96		
		163	250
55	39		
		230	87

STA. 192+84
 END OF FED. AID PROJECT N.R.M. 581-H
 END OF PROPOSAL NO. 1
BEGINNING OF PROPOSAL NO. 2
 F.A.P. N.R.M. 581-H



S.H. 65 SEC. PART DAYTON MONTGOMERY COUNTY



END AREA	Cu. Yds.		CUT	FILL
	CUT	FILL		
69	13			
		2		
		2		
		311	24	
99	0			
387	0			
2				
110	0			
		1		
311	26			
58	14			
293	28			
68	1			
2				
265	2			
2				
75	0			
233	53			
2				
51	32			
		163	265	

END AREA	Cu. Yds.		CUT	FILL
	CUT	FILL		
16	0			
		36	0	
50	0			
97	10			
218	22			
121	12			
133	10			
68	12			
215	69			
48	25			
196	135			
58	48			
2				
248	111			
2				
306	22			
89	0			
2				
10				
361	0			
106	0			
324	24			
2				

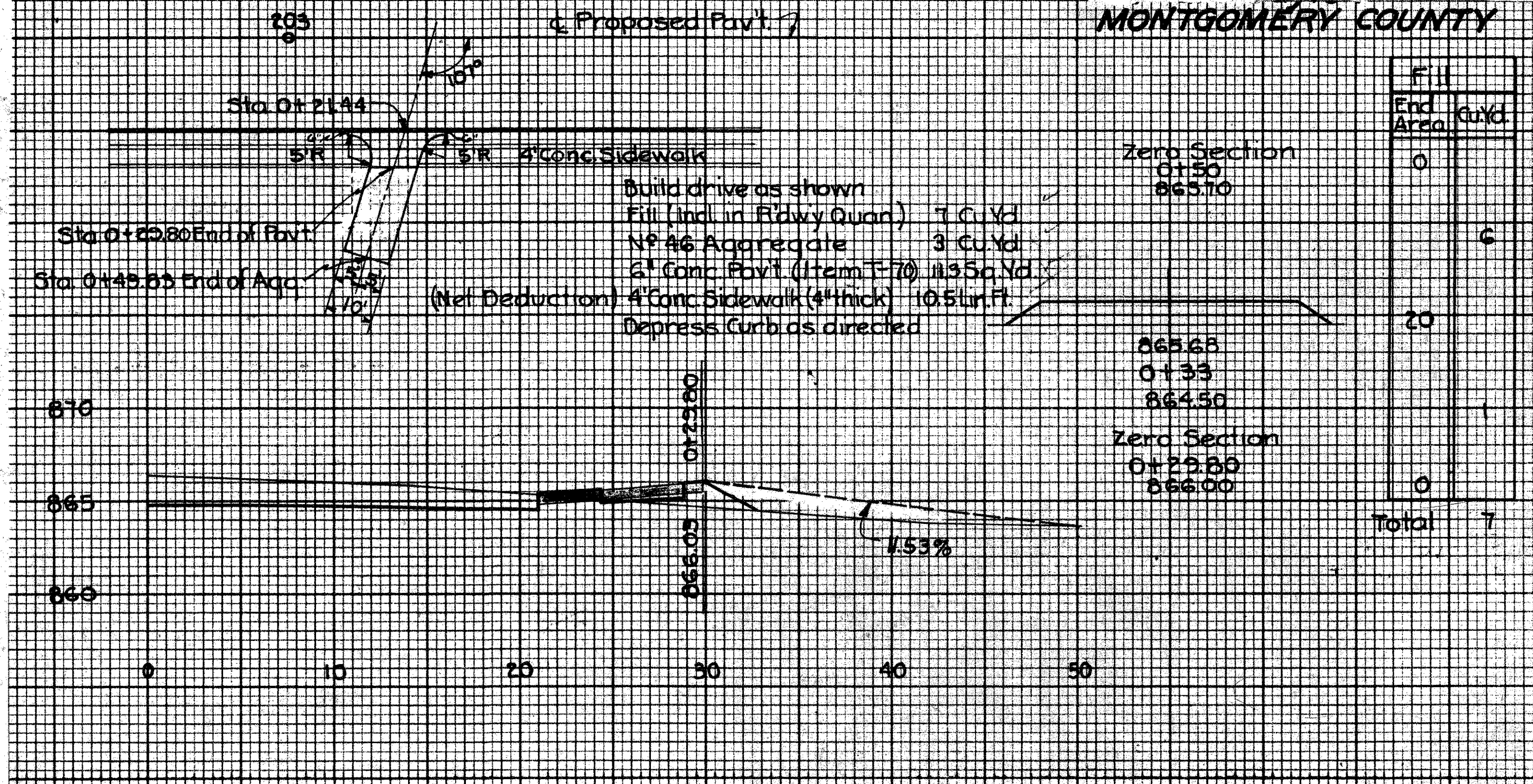
Note:—
Dashed Lines show how part of waste is to be disposed of.
See Note on Sheet No 2

PRIVATE DRIVE
STA. 203+31 Rt.

FED AID DIST. No.	STATE	FED AID PROJ. YEAR	FISCAL YEAR
10	OHIO	581-H	1938

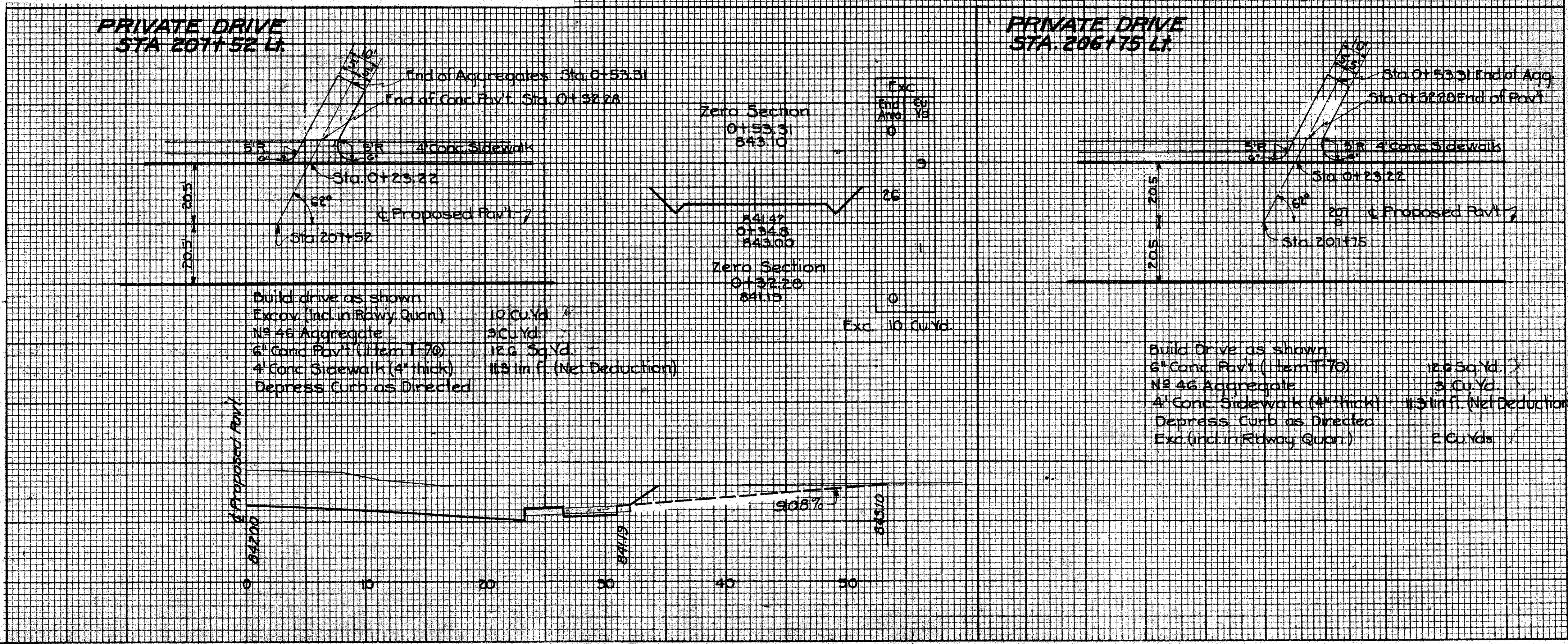
17
82

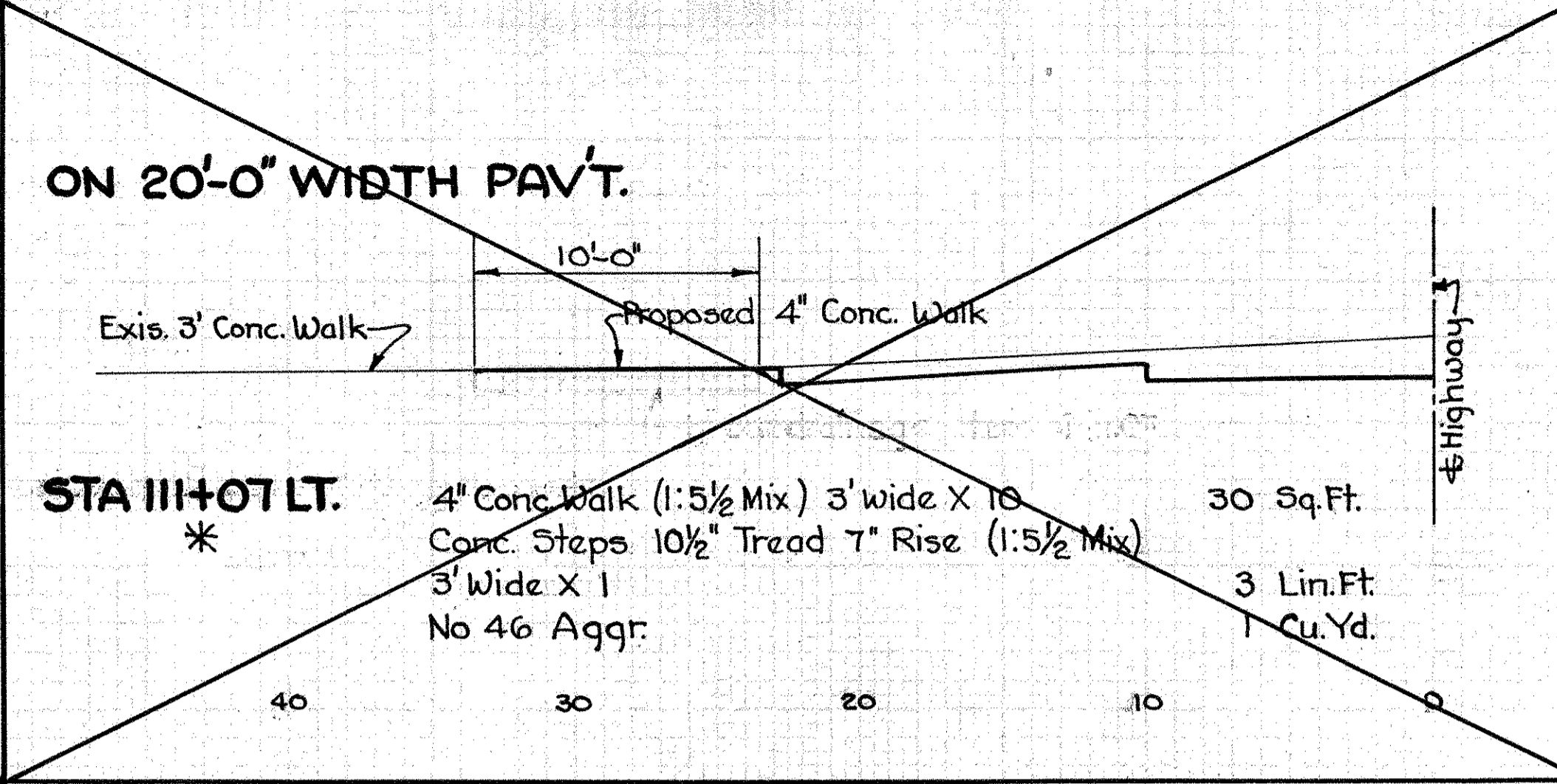
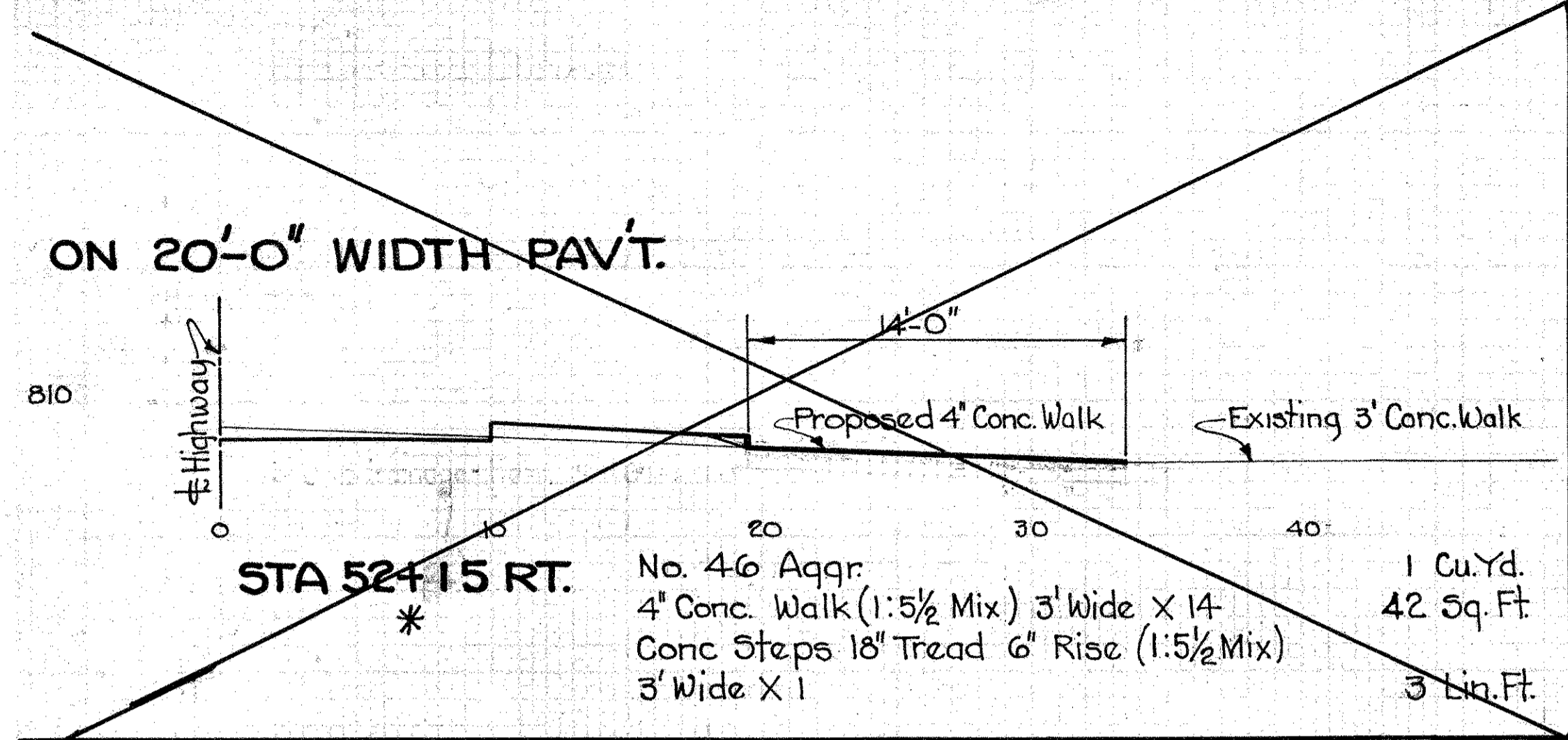
SH. 65 SEC. PT. DAYTON
MONTGOMERY COUNTY



PRIVATE DRIVE
STA. 207+52 Lt.

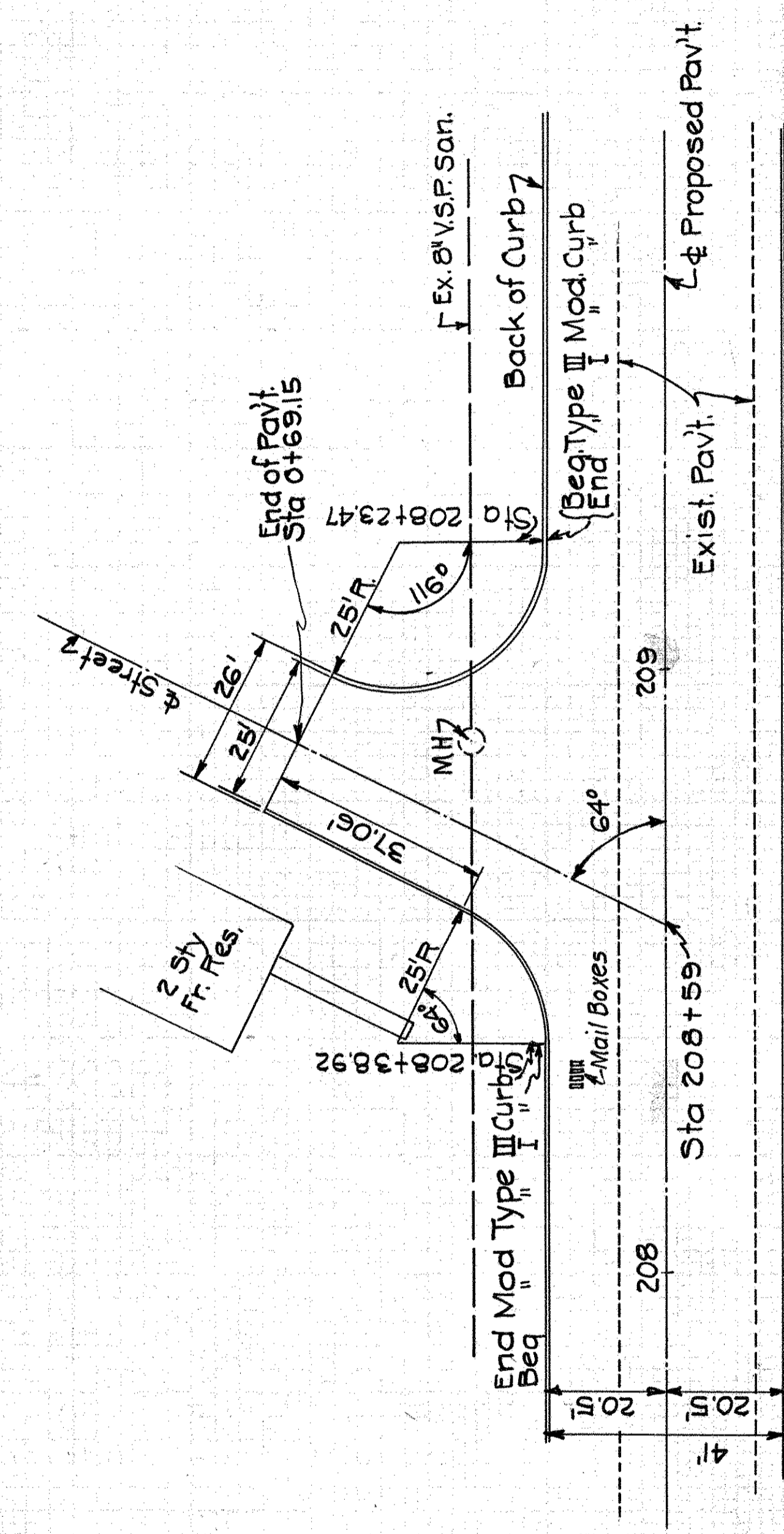
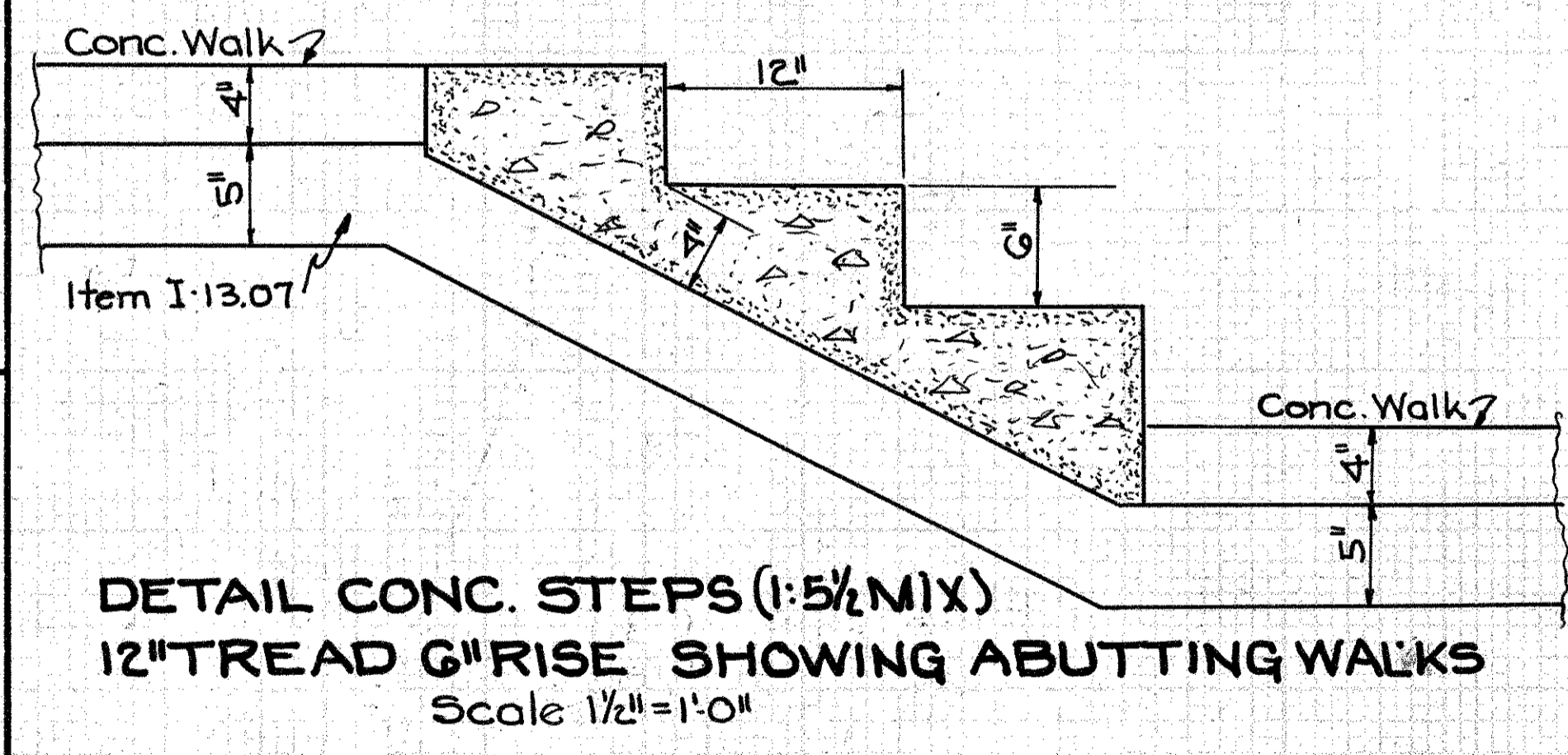
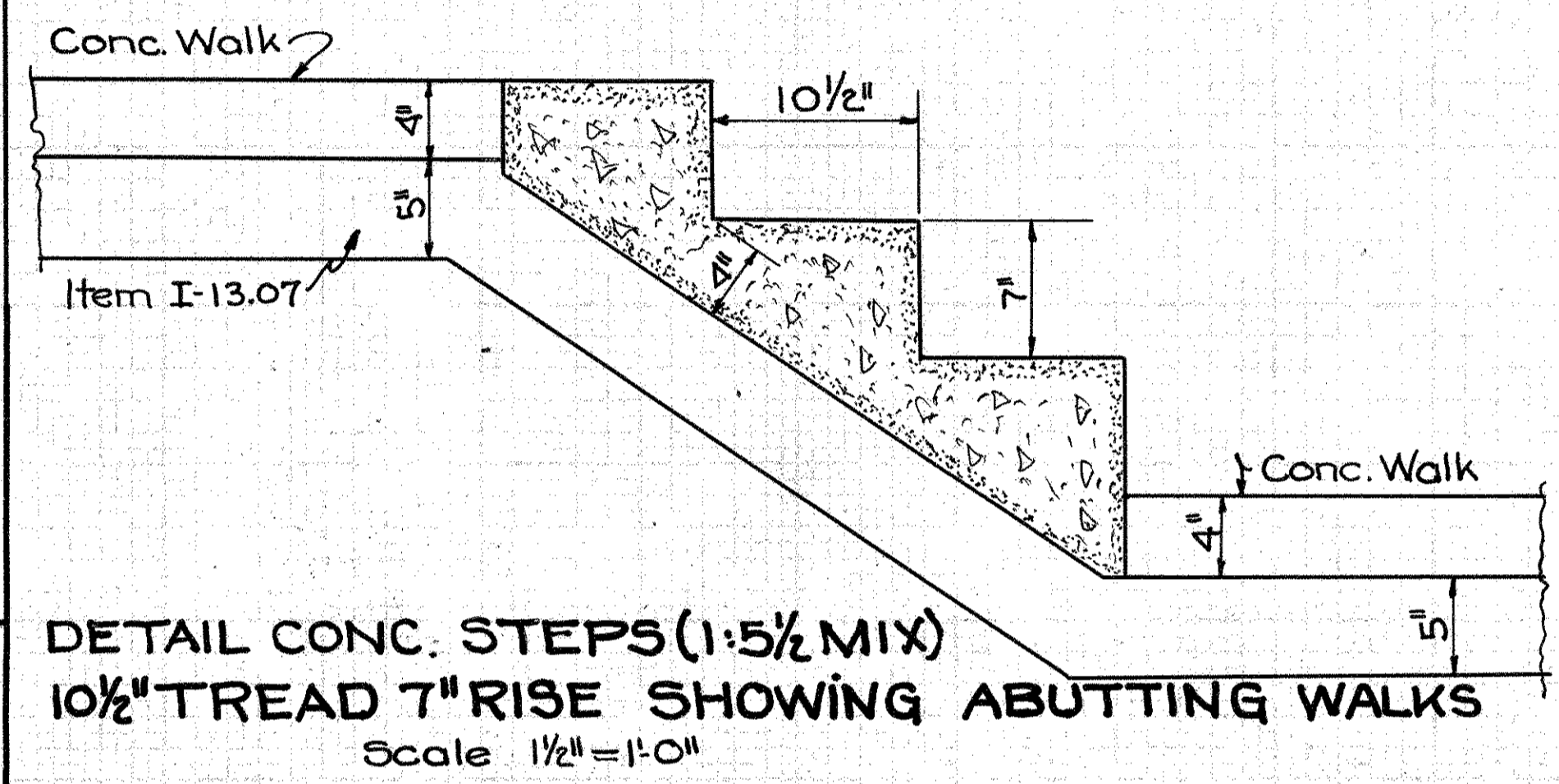
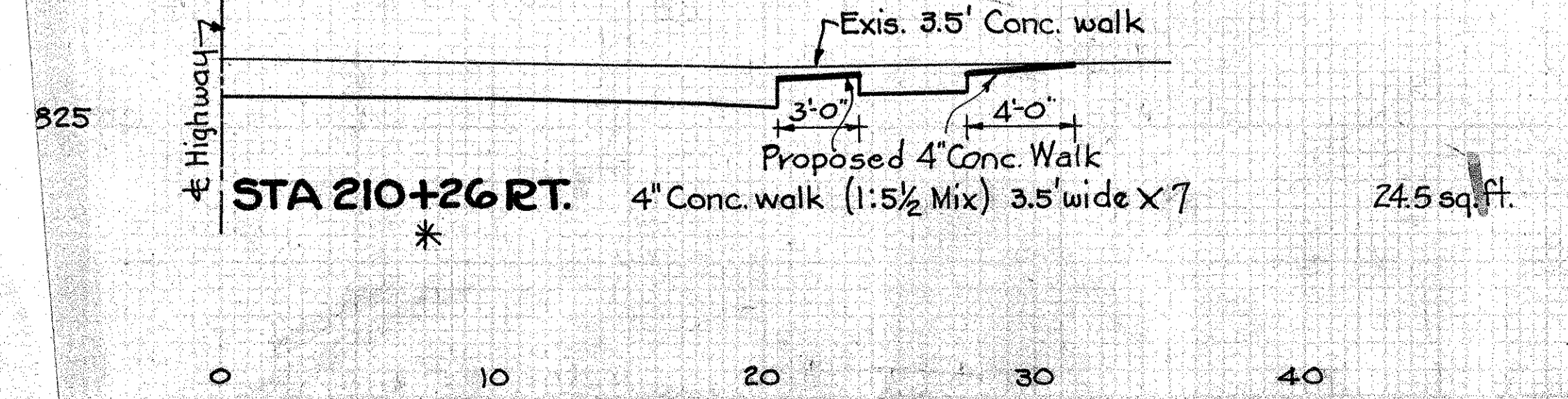
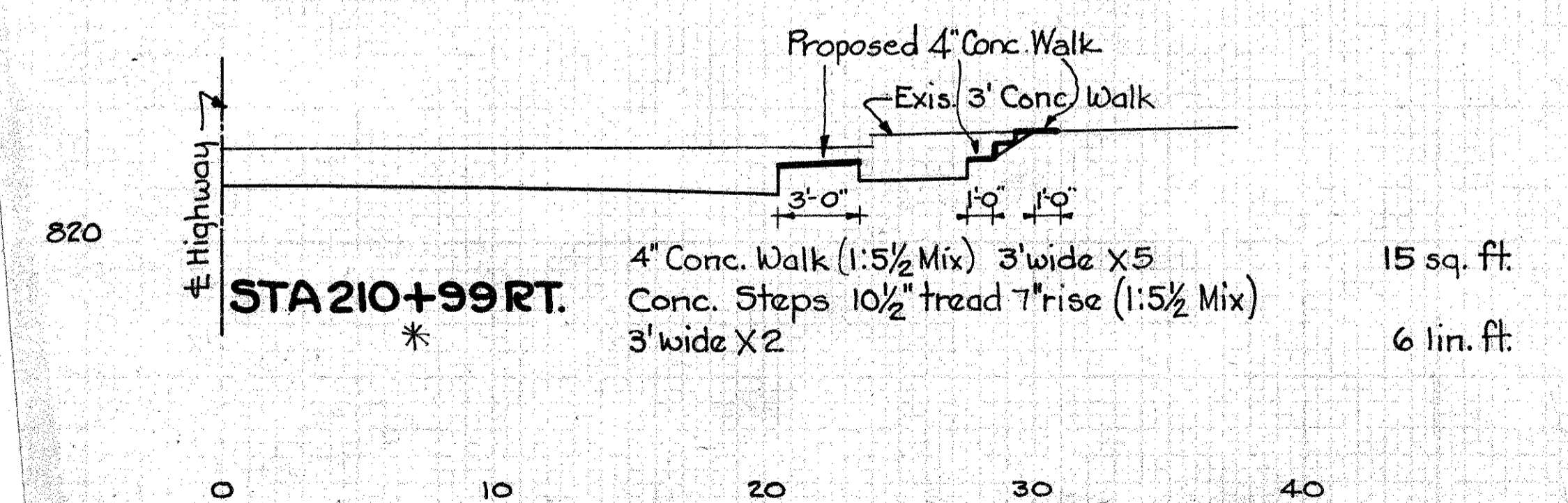
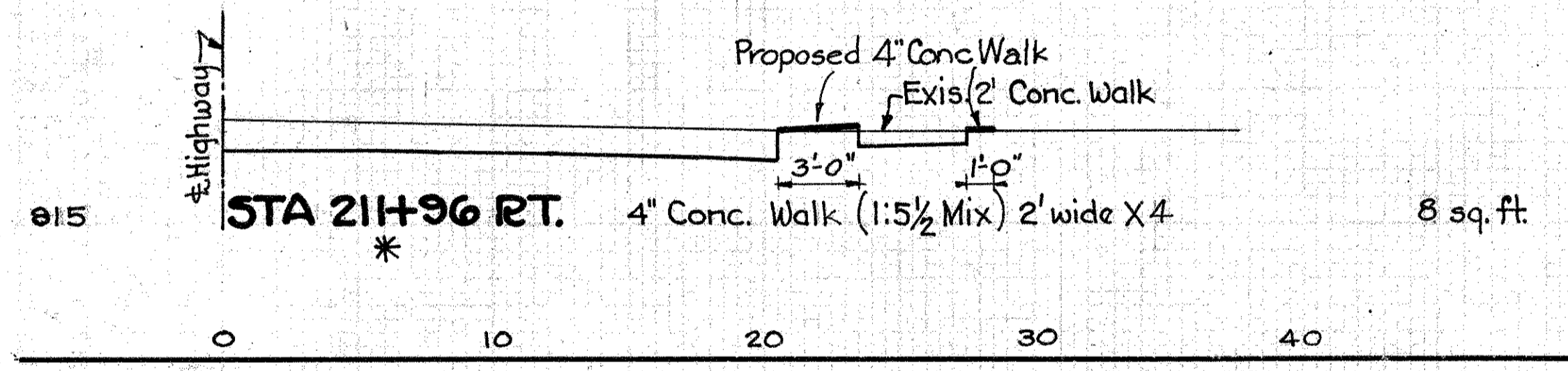
PRIVATE DRIVE
STA. 206+75 Lt.





SIDEWALKS & STEPS ON 4'-0" WIDTH PAV'T.

* Note: Removal of portions of existing conc. walks to be included in price per sq. ft. of 4" Conc. Walk. See details of Conc Walk & Conc Steps.



EST. QUANTITIES

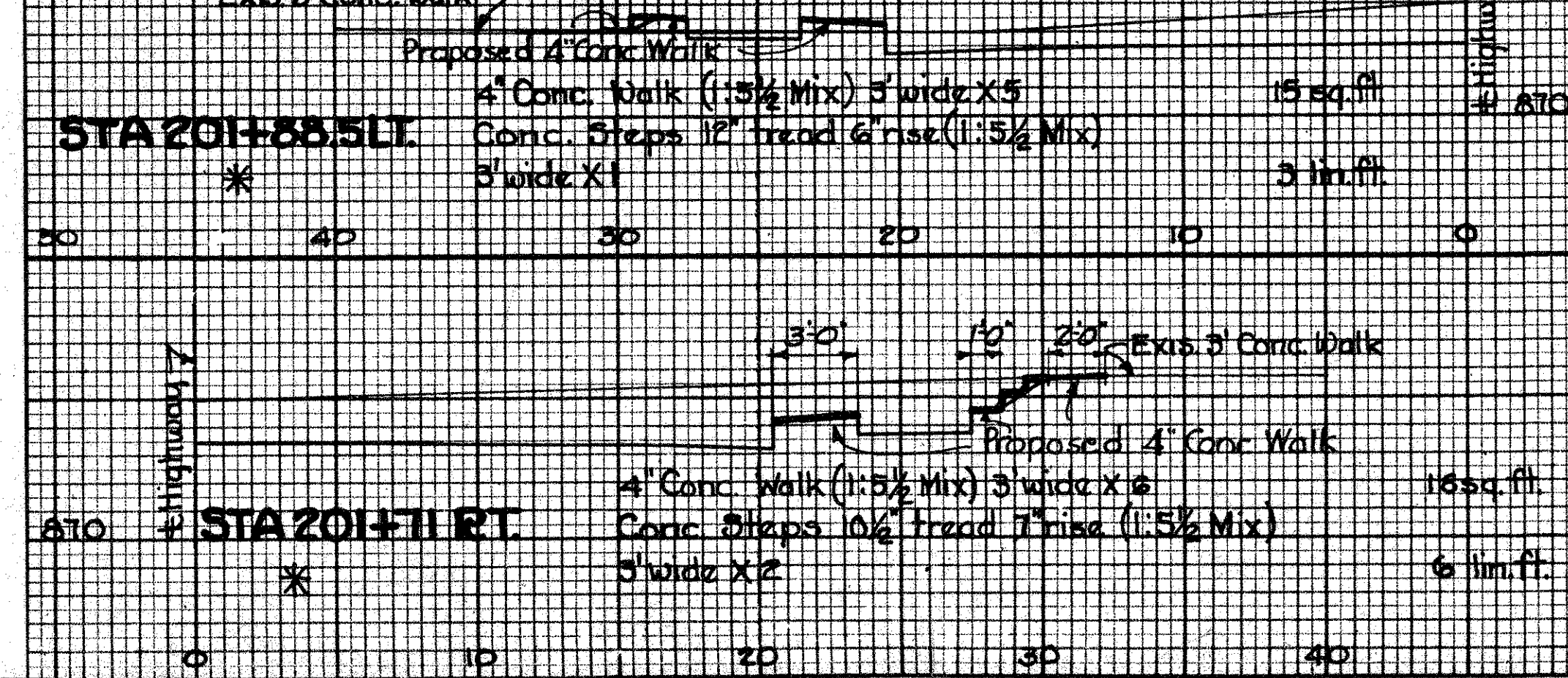
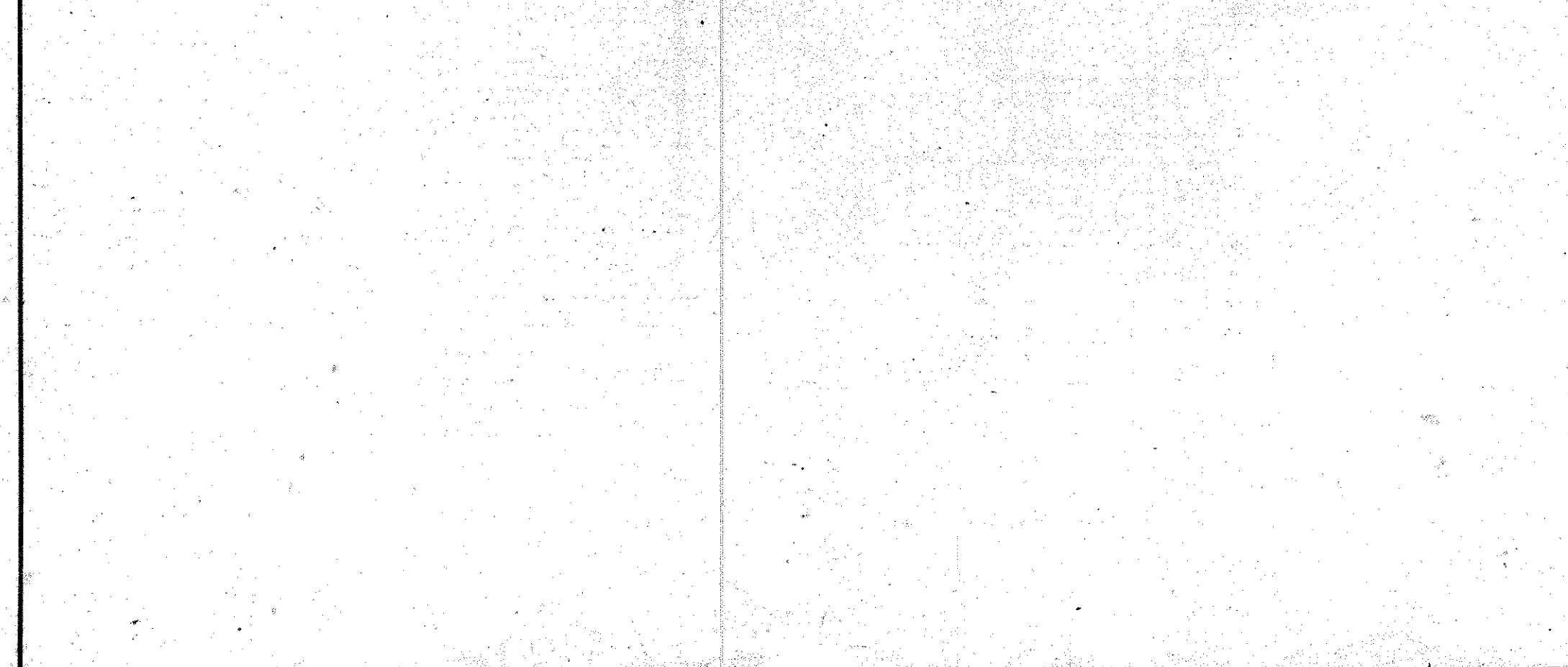
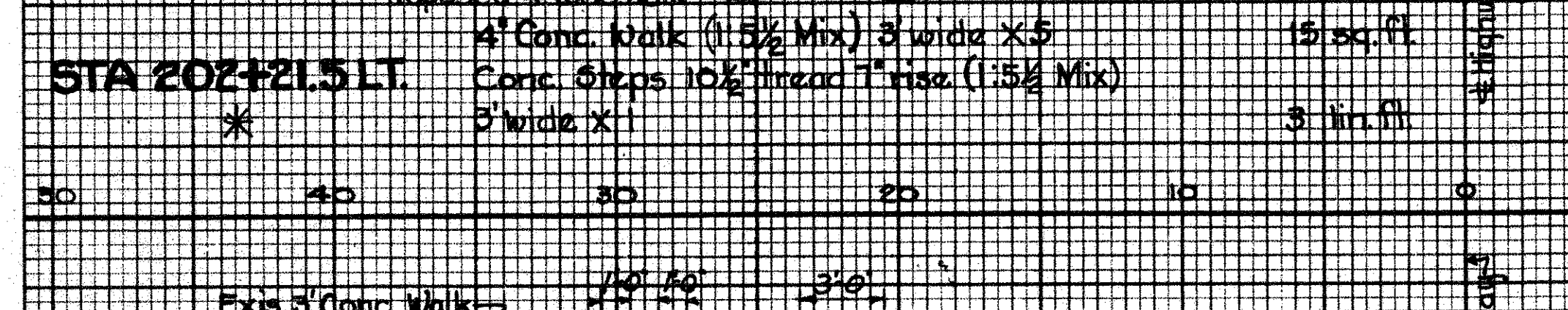
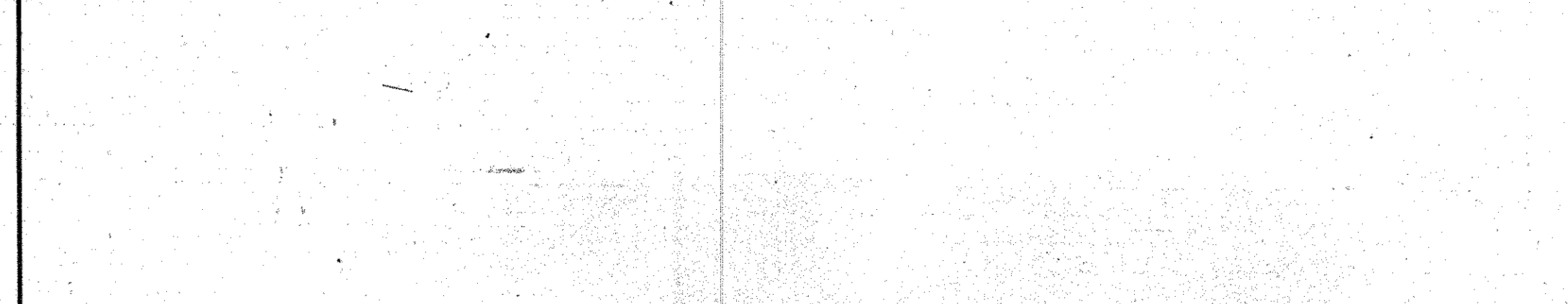
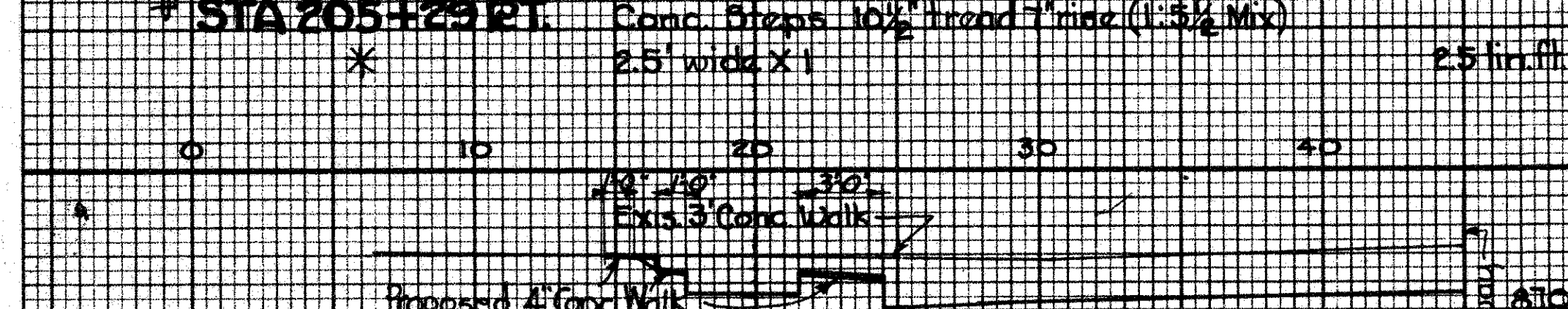
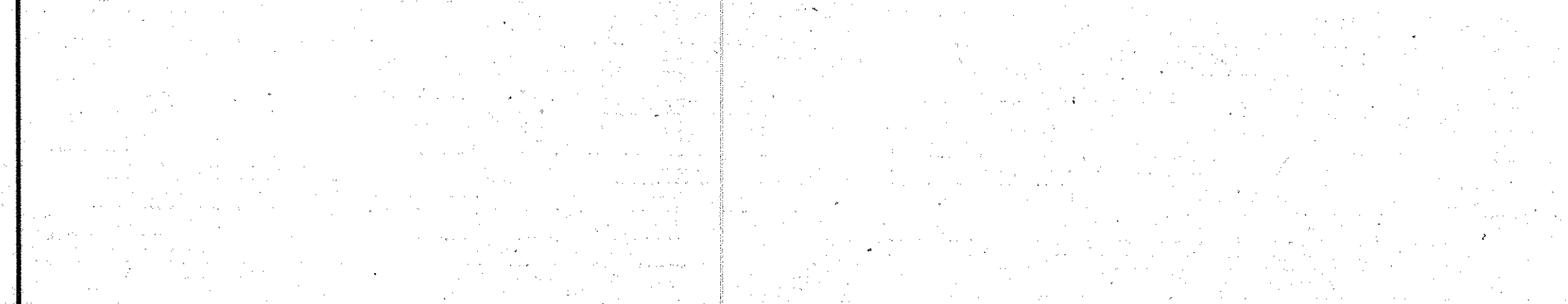
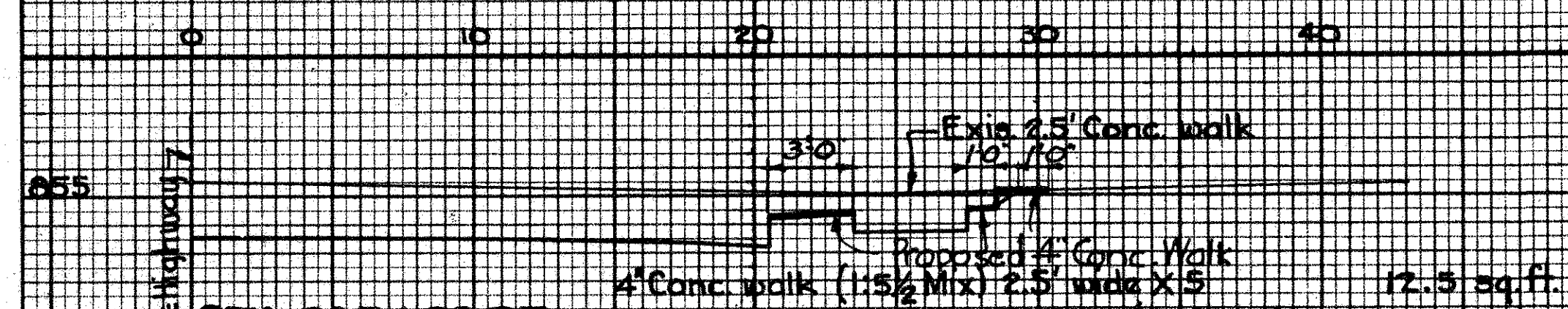
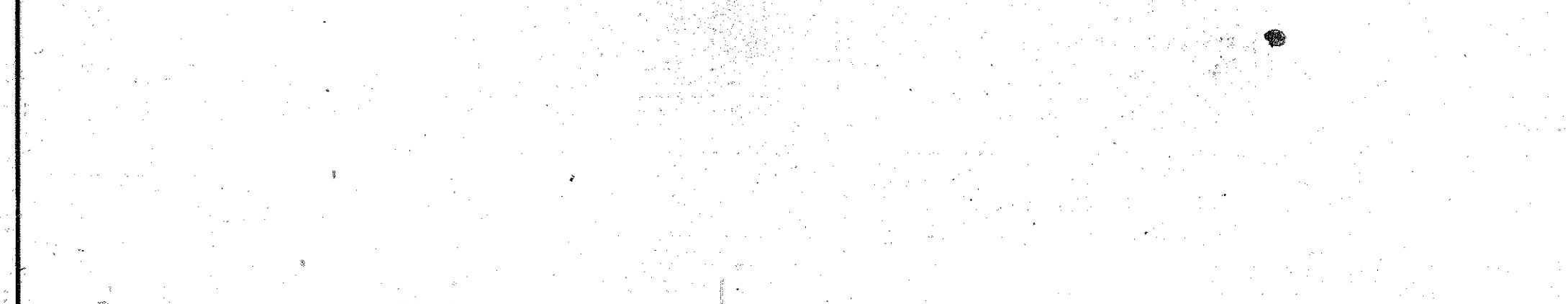
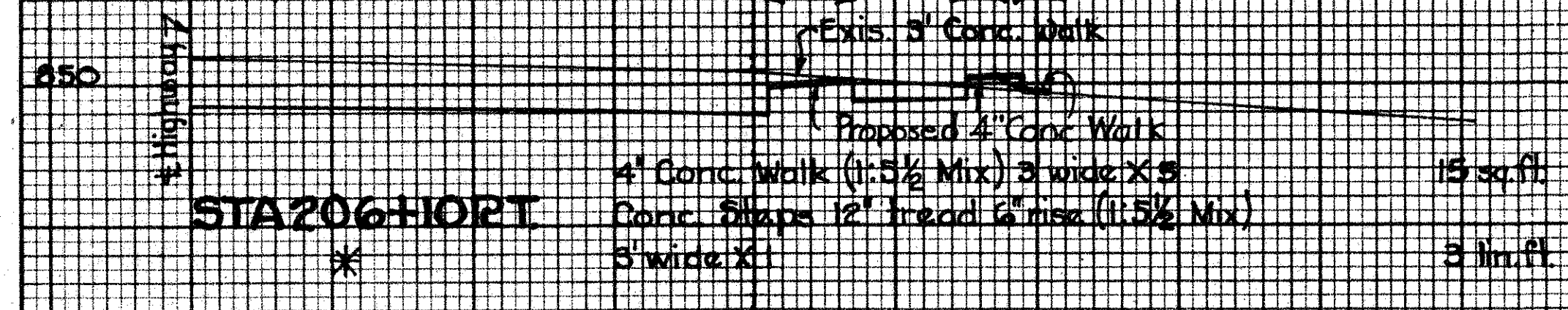
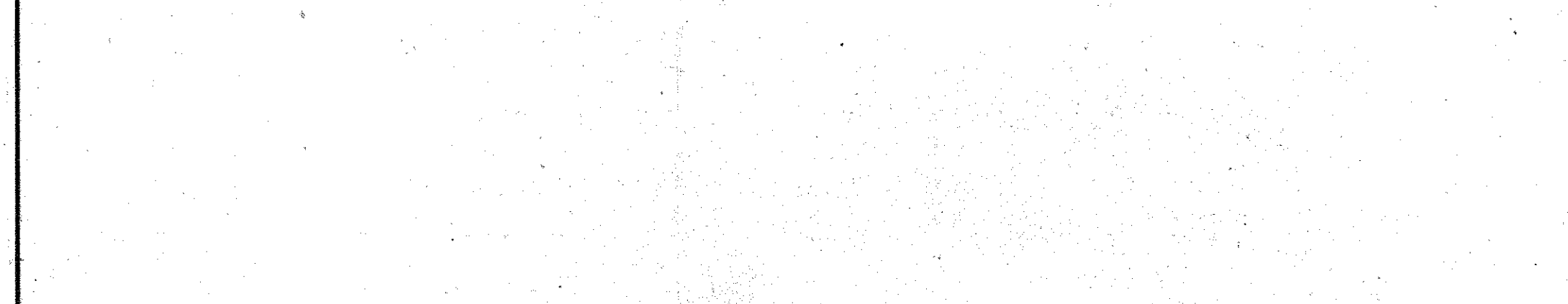
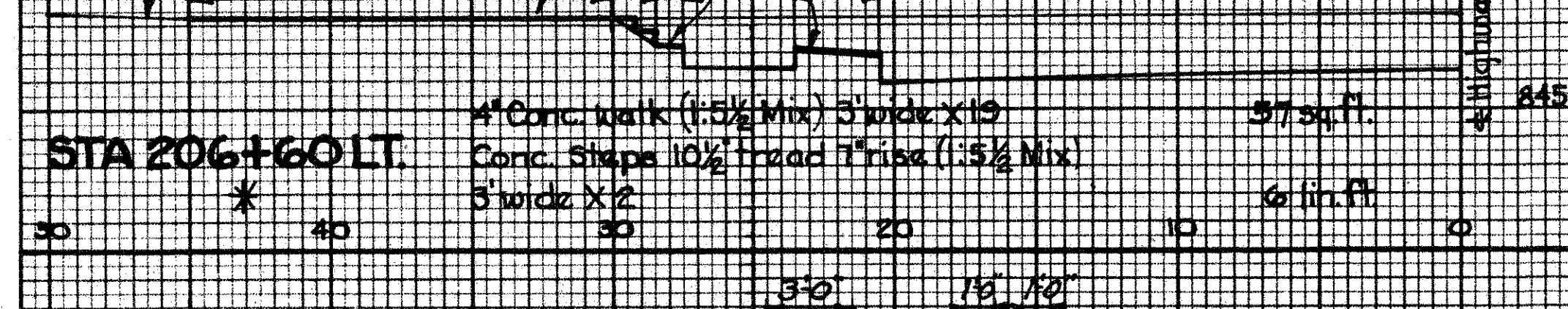
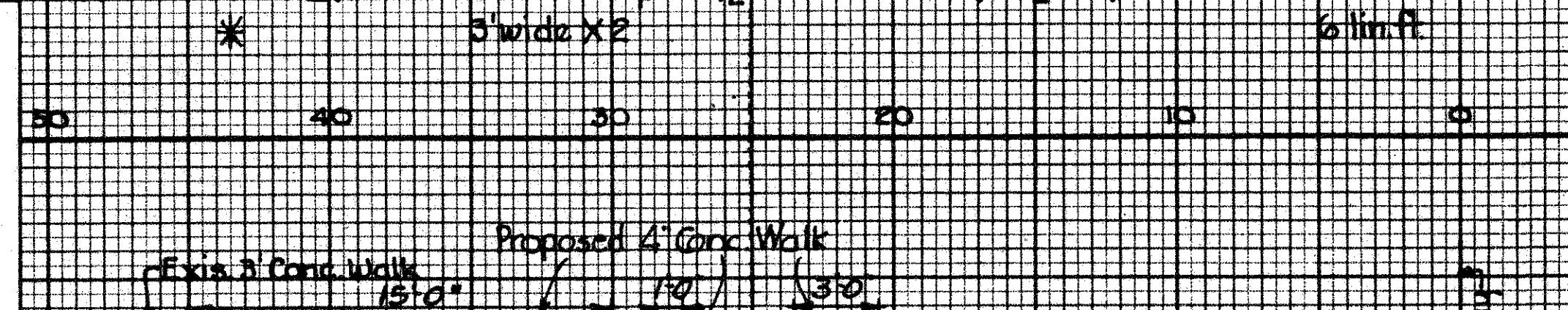
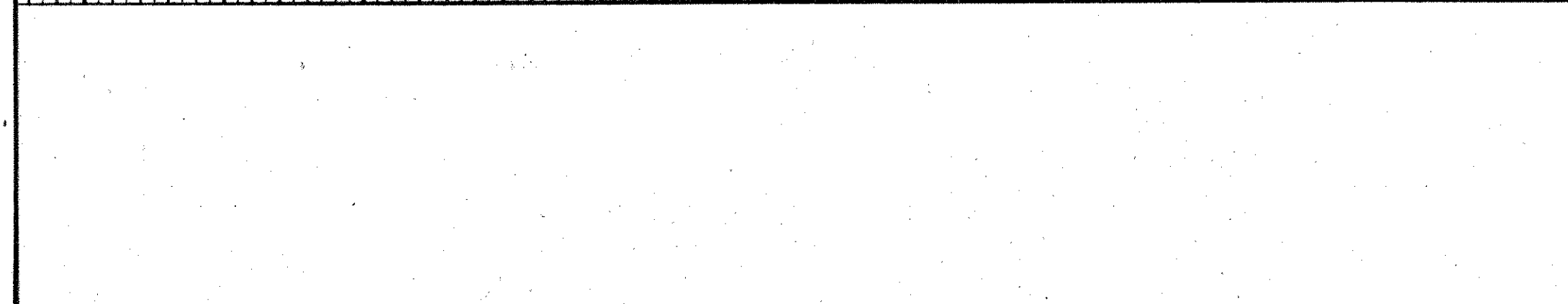
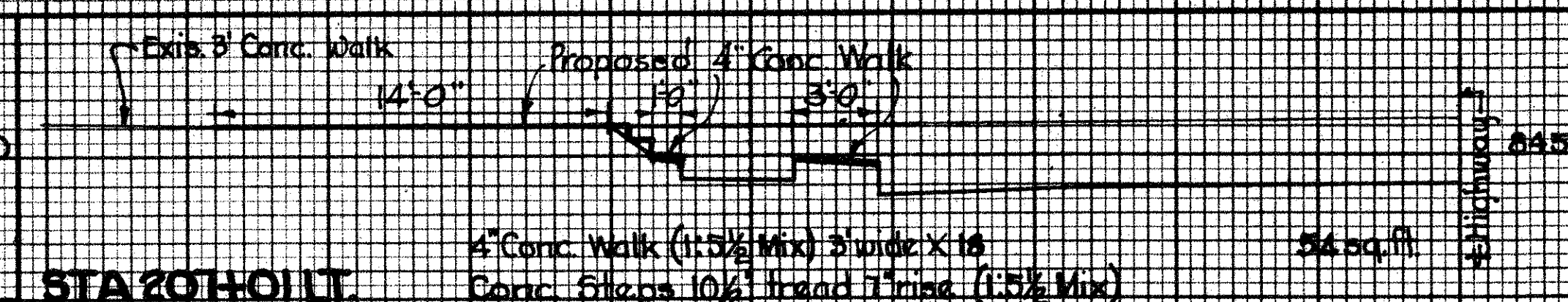
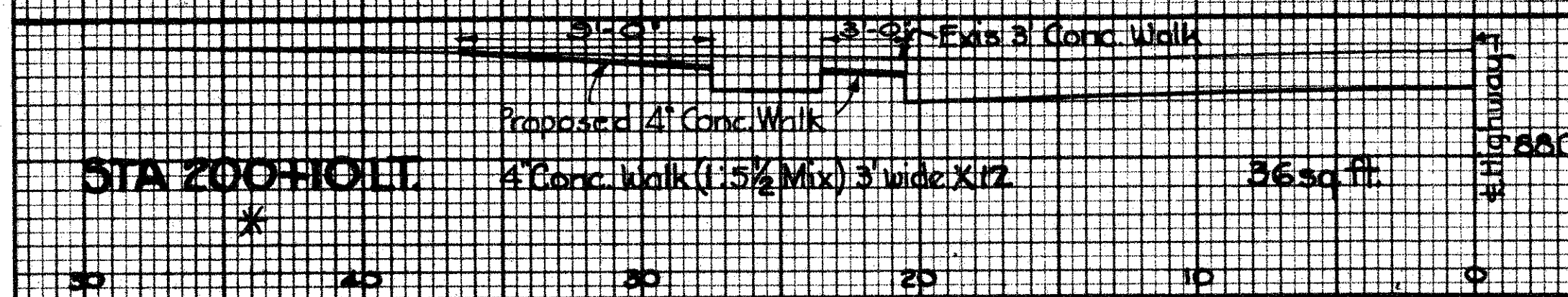
Extra Pav't. Item T-70 179.3 sq. Yd. (Net Addition)
Type I Mod Curb (1:5½ Mix) 115.60 Lin. Ft. (Net Addition)
No 46 Aggregate 2 Cu. Yd.
Mod. Type II Curb 84.55 Lin. Ft. (Deduction)

NOTE: Const. It. Notes where specified by the Engineer
Payment to be included in price bid per sq. yd. for Pav't.

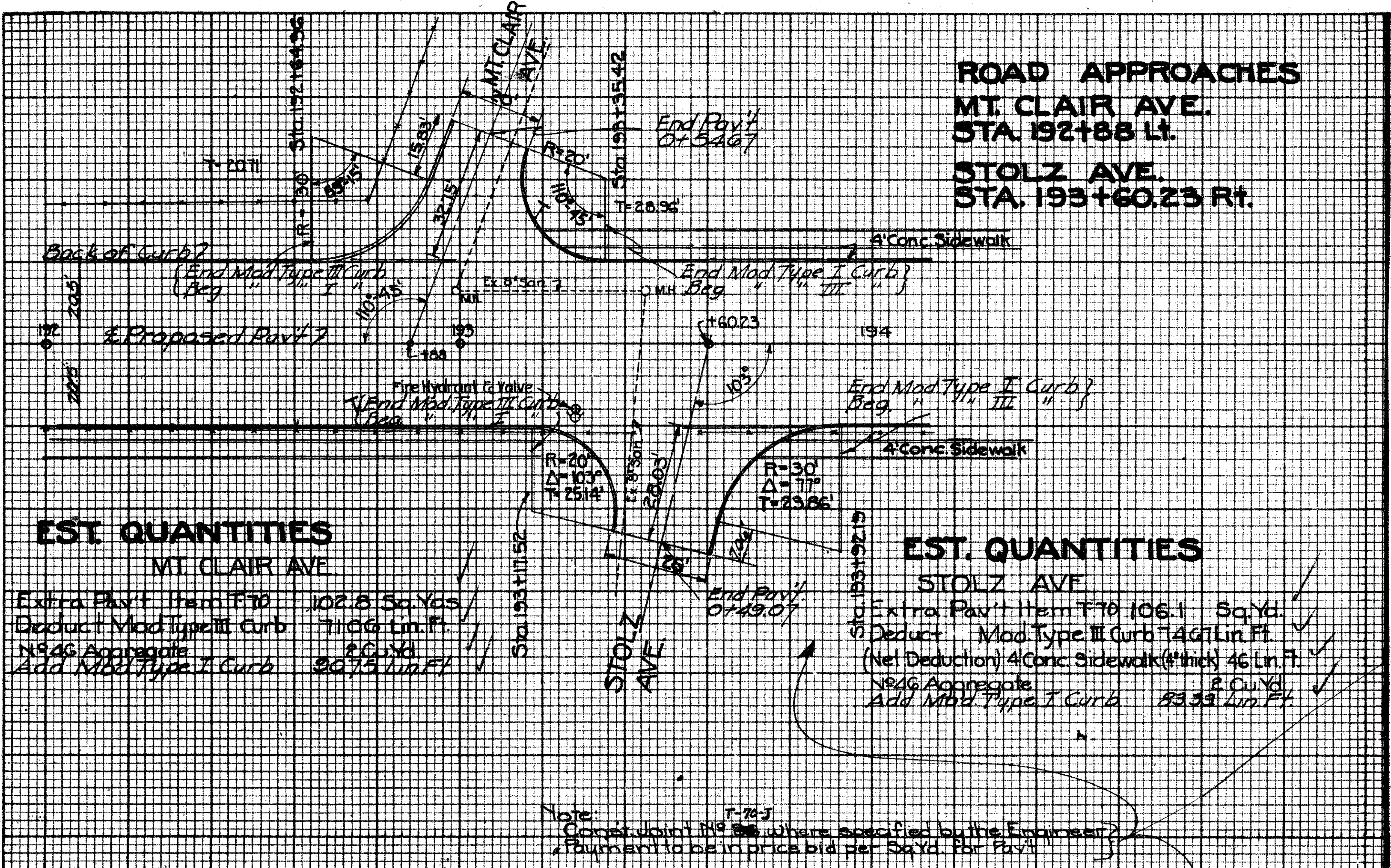
SIDEWALKS & STEPS ON 41'-0" WIDTH PAVT.

S.H.65 SEC. PART DAYTON MONTGOMERY COUNTY

* Note: Removal of Portions of Existing Conc. Walks to be included in price per sq. ft. of 4" Conc. Walk
See Sheet N-57 for details of Conc. Walks, Conc. Steps



DATE _____
BY _____
SURVEYED _____
TOPPLATE _____
NOTE BOOK _____
AREAS CHECKED _____



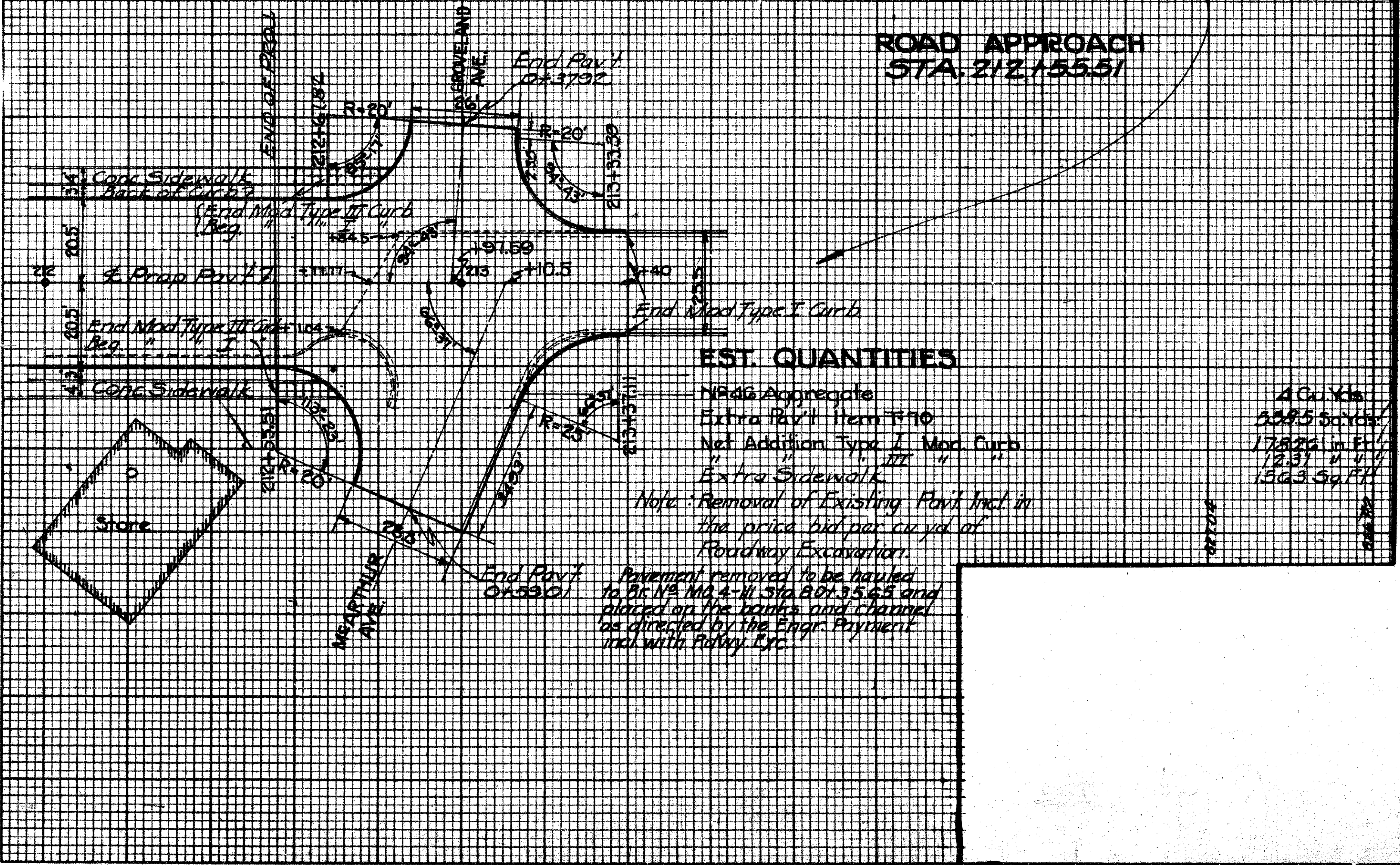
EST. QUANTITIES
MT. CLAIR AVE

Extra Pav't Item F70	102.8 Sq. Yds.
Deduct Mod. Type III Curb	71.66 Lin. Ft.
N546 Aggregate	8 Cu. Yds.
Add Mod. Type I Curb	36.79 Lin. Ft.

EST. QUANTITIES
STOLZ AVE

Extra Pav't Item F70	106.1 Sq. Yds.
Deduct Mod. Type III Curb	74.67 Lin. Ft.
(Net Deduction) 4 Conc. Sidewalk (#1 thick)	46 Lin. Ft.
N546 Aggregate	8 Cu. Yds.
Add Mod. Type I Curb	83.33 Lin. Ft.

Note: T-74-J
Construction No. 55 where specified by the Engineer.
Payment to be in price bid per Sq. Yd. for Pav't.



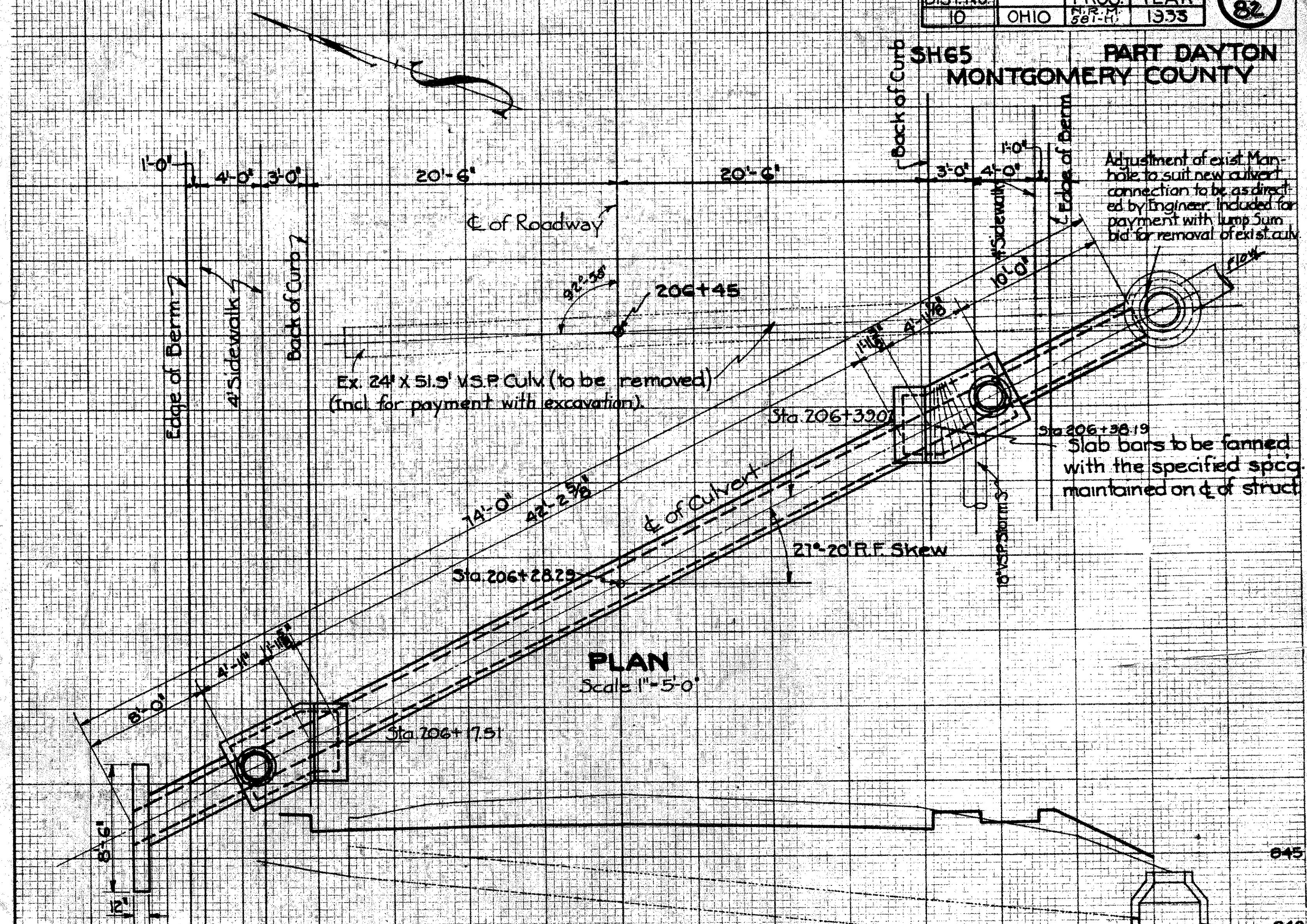
EST. QUANTITIES

N546 Aggregate	4 Cu. Yds.
Extra Pav't Item F70	338.5 Sq. Yds.
Net Addition Type I Mod. Curb	173.26 Lin. Ft.
Extra Sidewalk	12.31 Lin. Ft.
	156.3 Sq. Ft.

Note: Removal of Existing Pav't Incl. in the price bid per cu. yd. of Roadway Excavation.
Pavement removed to be hauled to Dr. N5144-4-11 Sta. 207+35.65 and placed on the banks and channel as directed by the Engr. Payment incl. with Policy, Etc.

ORIGINAL PLOTTING

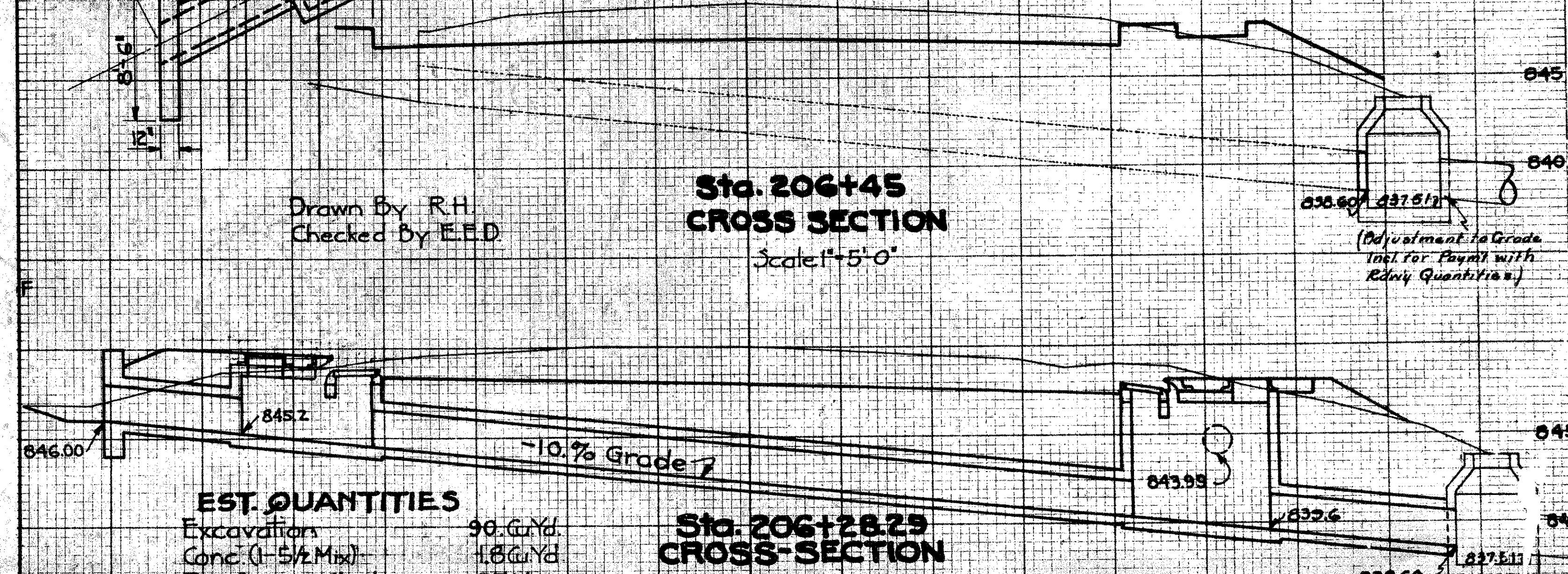
SH65 PART DAYTON MONTGOMERY COUNTY



PLAN
Scale 1"=5'-0"

Drawn By R.H.
Checked By E.E.D.

Sta. 206+45
CROSS SECTION
Scale 1"=5'-0"



Sta. 206+28.29
CROSS-SECTION
Scale 1"=5'-0"

EST. QUANTITIES

Excavations	90 Cu.Yd.
Conc (1-5/2 Mix)	1.8 Cu.Yd.
Reinforcing Steel	53 Lb.
24" V.S.P. Enc	607 Lin. Ft.
*Std. Manhole & Inlet Comb.	2 Each

* NOTE: Std. Comb. Manhole & Inlet shall be Modified to fit general alignment of culvert as shown.

NOTE: The 1.8 Conc. for encasement = 1.8 Cu.Yd. (incl. in price bid per lin. ft. of V.S.P. Enc.)

CULVERT DATA

TYPE: Spc. V.S.P. (Enc) Culv. Std. Dwg. No. 3-A-1
 SIZE: 24" x 74'-0"
 WORK REQD: Remove Ex. 24" x 51.9" V.S.P. Culv. Build 24" x 74'-0" special V.S.P. Culv. with 2 std. Comb. Manholes and 1 std. Inlet.

SUMMARY of QUANTITIES

FED.AID DIST. No. 10	STATE OHIO	FED.AID PROJ. No. 587-1	FISCAL YEAR 1933	82
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SH. 65 SEC. "PT. DAYTON" MONTGOMERY COUNTY

Sheet No	STORM SEWER												
	V.S.P. M68(b) P.C.P. M6.5			V.S.P. M68(b) R.C.P. M66(a)		V.S.P. M68(a) Encased R.C.P. M66(b)		Std. Comb. MH. & Inlet	Std. Comb. Inlet	Std. No. 22 Catch Basin	Headwalls		
	Lin. Ft.			Lin. Ft.		Lin. Ft.		Dwg. D-8F Each	Dwg. D-8D Each	Dwg. 2, 3, 22 Each	Exc. Cu. Yd.	Steel Lbs.	Conc. 1.5/2 Mix Cu. Yd.
	PROP. No 2 4'-0" WIDTH PAV'T.												
74	303.5	58	1301.19	112	225.5	101.5	9	8	1	4	45	2.4	
Total	303.5	58	1301.19	112	225.5	101.5	9	8	1	4	45	2.4	

NET LENGTH OF PROPOSAL No 2
 Beginning of Proposal No 2 Sta. 192+84
 End of Proposal No 2 Sta. 212+55.51
 Net length of Proposal No 2 1971.51 Lin. Ft.
 5280 0.373 Miles

Sheet No	ADJUSTMENTS									
	Remove, Reset & Adjust to Grade Existing					Adjust to Grade Existing				
	Fire Hydrants Each	Water Valve Boxes Each	Gas Service Boxes Each	Water Service Boxes Each	Fire Hydrants Each	Water Valve Boxes Each	Gas Service Boxes Each	Water Service Boxes Each	Manholes Each	
	4'-0" WIDTH PAV'T. PROP. No 2									
74	1		7	9	2	7	1	3	9	
Extra	1	1			1	2		2	1	
TOTAL	2	1	8	10	3	8	3	5	10	

PAVEMENT CALCULATIONS PROP. No 2 4'-0" WIDTH PAV'T. (ITEM No T-10)
 Net Length of Proposal No 2 (See above) 1971.51 Lin. Ft.
 1971.51 X 41 X 1/9 = 8981.3 Sq. Yd.
 Extra Pav't. (See Summary) 1000.0 Sq. Yd.
 Total 4'-0" Width Pav't. Item No T-10 9981.3 Sq. Yd.

TYPE III MOD. CURB FOR 4'-0" WIDTH PAV'T. PROP. No 2
 Net Length of Proposal No 2 1971.51 Lin. Ft.
 1971.51 X 2 = 3943.02 Lin. Ft.
 Deduction (See Summary) 217.97 Lin. Ft.
 Total Type III Mod. Curb (Prop. No 2 4'-0" Width Pav't.) 3725.05 Lin. Ft.

FINISHING SHOULDERS, SLOPES & DITCHES (BOTH SIDES) 4'-0" WIDTH PAV'T. PROP. No 3
 Net Length Prop. No 2 1971.51 Lin. Ft.
 Net Length Finishing Shoulders, Slopes & Ditches (Both Sides) 1971.51 Lin. Ft.

Note: All work pertaining to Gas Mains & their connections is to be done by and at the expense of the Dayton Power & Light Co. Incl. in Contract

All work pertaining to Water Mains and their connections is to be done by and at the expense of the City of Dayton

PRIVATE DRIVES & ROAD APPROACHES												
Sheet No	No. 46 Aqqr.	Extra Pav't. Item T-70 9'-7'-9'	6" Pav't. Item T-70	Deduction Type III Mod. Curb	Addition Type I Mod. Curb	Deduction for 4' Conc. Walk						
							Cu. Yd.	Sq. Yd.	Sq. Yd.	Lin. Ft.	Lin. Ft.	Lin. Ft.
							4'-0" WIDTH PAV'T. PROP. No 2					
74	46	946.7	131.9	217.97	467.94	169.1						
Extra	4	53.3	18.1									
TOTAL	50	1000.0	150.0	217.97	467.94	169.1						

ROADWAY EXCAVATION & EMBANKMENT						
Stations		Exc. Cu. Yd.	Emb. Cu. Yd.	Emb. +20% Cu. Yd.	Borrow Cu. Yd.	Waste Cu. Yd.
From	To					
4'-0" WIDTH PAV'T. PROP. No 2						
192+84	212+55.51	4602	3473	4168		434
TOTAL		4602	3473	4168		* 434

* NOTE Disposal of Waste See Note on Sheet No 72

CONC. SIDEWALKS & STEPS				
Sheet No	4" Conc. Walk 1.5/2 Mix Sq. Ft.	Conc. Steps 1.5/2 Mix		No. 46 Aqqr. Cu. Yd.
		10 1/2" tread 7" riser Lin. Ft.	12" tread 6" riser Lin. Ft.	
		4'-0" WIDTH PAV'T. PROP. No 2		
74	15605.2	44.5	9	
Extra	1948	15.5	6	
TOTAL	158000	60.0	15	

TRENCH REINF. ITEM I-7	
Sheet No	Weight Lbs.
4'-0" WIDTH PAV'T. PROP. No 2	
74	6802
Extra	1198
TOTAL	8000

LOWER EX. WATER MAINS		
Sheet No	Cast Iron Water Mains Lin. Ft.	
	6"	10"
4'-0" WIDTH PAV'T. PROP. No 2		
74	750	1150
TOTAL	750	1150

NOTE: Lowering Exis. Water Mains and their connections to be done by and at the expense of the City of Dayton

PROPOSAL No 2
 Price Differential between Regular Cement Sec. M-1.1 and High Early Strength Cement Sec. M-1.2 To Establish Unit Price 1.0 Bbl.

STRUCTURES 20' & UNDER											
No	Station	Type	Size	Excavation Dry Cu. Yd.	Concrete 1.5/2 Mix Cu. Yd.	Reinf. Steel Lbs.	V.S.P. (a) enc. or R.C.P. (b) Lin. Ft. 24'	Std. Comb. Manhole & Inlet Each	Std. Drawing Number	Sheet No	Remarks
17	206+28.29	Sp. V.S.P. (enc.) Culv.	24" X 74'-0"	90	1.8	53	60.2	2	300, D-8F	81	Remove Exis. 24" X 51.5" V.S.P. Culv. Build 24" X 74'-0" Sp. V.S.P. (Enc.) Culv. with 2 Std. Comb. Manhole & Inlets and with Std. Hdwall on Lt.
TOTAL				90	1.8	53	60.2	2			