

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. U 012-2(4) STATE HIGHWAY NO. 182 JEFFERSON & DENVER COUNTIES

CONVENTIONAL SIGNS

CENTER LINE	PLAN SHEET	TITLE SHEET
RIGHT OF WAY LINE	R.O.W. MARKER	
COUNTY LINE		
TOWNSHIP OR RANGE LINE	SECTION LINE	1/4 SECTION LINE
LAND LINES	1/4 SECTION LINE	1/16 SECTION LINE
RAILROAD	TITLE SHEET	PLAN SHEET
BARBED WIRE FENCE		
COMBINATION WIRE FENCE		
TELEPHONE & TELEGRAPH LINES		
POWER LINE		
PRESENT ROAD (Plan Sheets)		

TABULATION OF LENGTH & DESIGN DATA

STATION	DESCRIPTION	ROAD- WAY	MAJOR STR.	NO WORK SECTION
		LIN. FT.	LIN. FT.	LIN. FT.
283+00.0	BEGIN U012-2(4) = 283+00 ON FAP 67(6)	1094.4		
293+94.4	BEGIN TRIPLE 10'X10' C.B.C. MCINTYRE GULCH STR. NO. F-16-L		41.2	
294+35.6	END TRIPLE 10'X10' C.B.C.	601.7		
300+37.3	BEGIN BRIDGES WADSWORTH AVE. STR. NO. F-16-AF NORTH STR. NO. F-16-D SOUTH		95.0	
301+32.3 BK.	EQUATION		95.0	
301+30.6 AH.	END BRIDGES			
302+25.6		1389.4		
316+15.0	END WORK		3819.6	
354+34.6 BK.	EQUATION		872.7	
354+30.6 AH.				
363+03.3	BEGIN WORK	1704.3		
380+07.6	BEGIN BRIDGE SHERIDAN BLVD. STR. NO. F-16-FM NORTH STR. NO. F-16-FL SOUTH		82.5	
380+90.1 BK.	EQUATION		82.9	
381+09.9 AH.	END BRIDGE			
381+92.8		1146.6		
393+39.4	END U012-2(4) OPPOSITE 393+39.4 ON FAP 67(6)			
TOTALS		5936.4	396.6	4692.3

SUMMARY

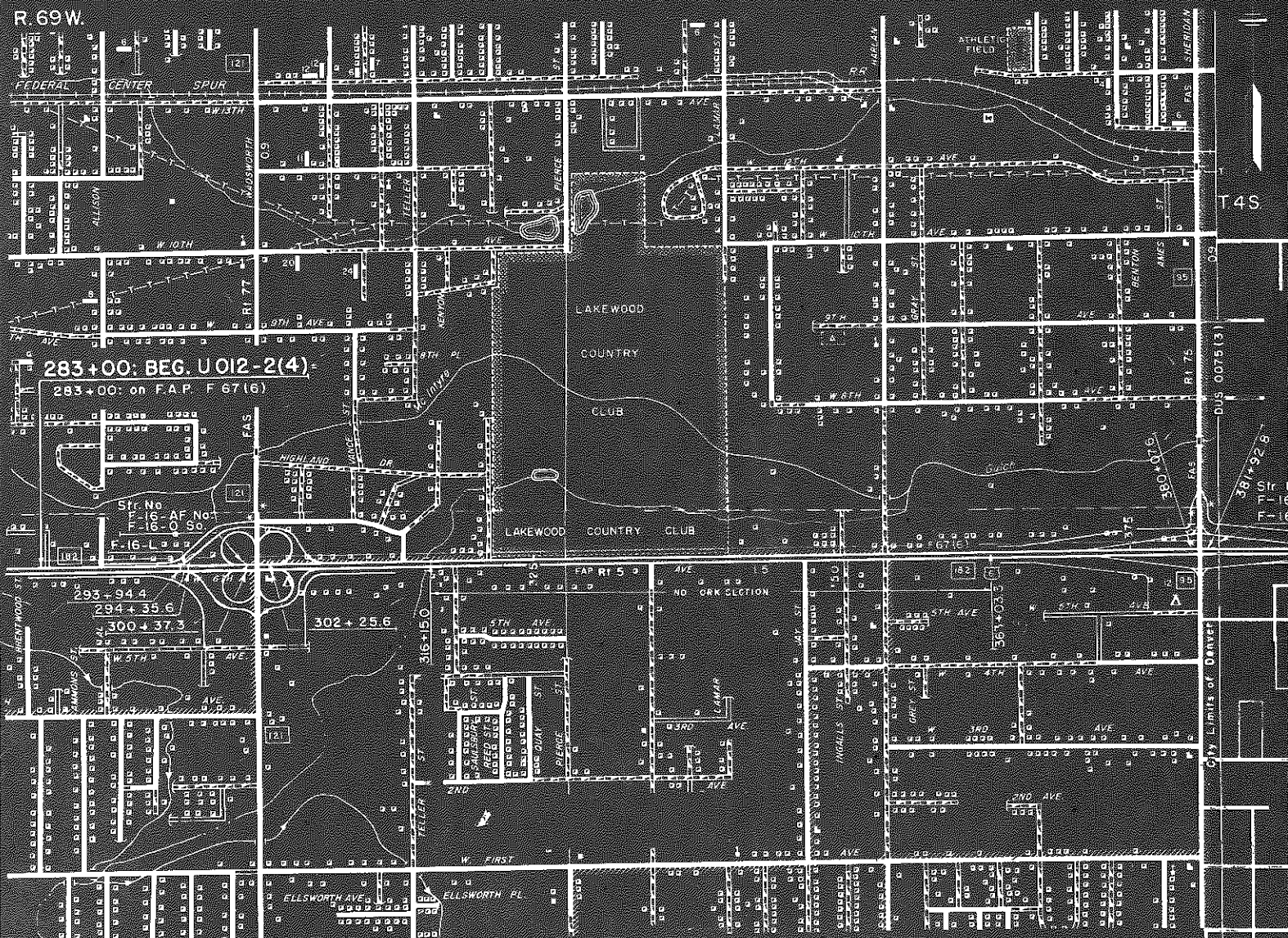
	LIN. FT.	MILES
TOTAL ROADWAY	5936.4	1.124
TOTAL MAJOR STRUCTURES	396.6	0.075
TOTAL U012-2(4) NET LENGTH	6333.0	1.199
TOTAL NO WORK SECTIONS	4692.3	0.889
TOTAL U012-2(4) GROSS LENGTH	11,025.3	2.088

DESIGN DATA

Maximum Degree of Curve	Tangent
Maximum Grade	3.00%
Minimum NPSD (Horizontal)	Tangent
Minimum NPSD (Vertical)	500 ft.
Maximum Design Speed	60 mph

SCALES OF ORIGINAL DRAWINGS

ON PLAN 1 IN. = 50 FT.
ON PROFILE 1 IN. = 50 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD.
GROSS LENGTH OF PROJECT = 11,025.3 FT. = 2.088 MI.
NET LENGTH OF PROJECT = 6333.0 FT. = 1.199 MI.



SCALE OF MILES

R.O.W. Purchased
Under U 012-2(2)

FEDERAL AID REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	COLORADO	U 012-2(4)		

INDEX OF SHEETS:

SHEET NO.	DESCRIPTION	REFERENCE
1	SKETCH MAP, TITLE PAGE, TABULATION OF LENGTH & DESIGN DATA	
2-3	TYPICAL CROSS SECTIONS OF IMPROVEMENT	
4	SUMMARY OF APPROXIMATE QUANTITIES	
5	GENERAL NOTES, TYPICAL LIGHTING STANDARD, TABULATION OF LIGHTING REQUIREMENTS, TIMBER GUARD POSTS, FENCING REQUIREMENTS, AND DETAILS FOR HEADWALL REMOVAL AND DETAILS CONCRETE SLOPE AND DITCH PAVING	
6	SUMMARY OF EARTHWORK QUANTITIES, TABULATION OF SURFACING QUANTITIES	
7	TABULATION OF SURFACING QUANTITIES, SHOULDER ROLL & METAL PLATE GUARD FENCE	
8	TABULATION OF CURB & GUTTER	
9-12	LIST OF STRUCTURE QUANTITIES	
13-17	DETAILS OF BRIDGES, STA. 300+	
18-24	DETAILS OF BRIDGES, STA. 380+	
25	DETAILS SHOWING PORTIONS OF STRUCTURE TO RECEIVE CLASS I SURFACE FINISH	
26	DETAILS OF RETAINING WALL, STA. 720+	
27	DETAILS OF TRIPLE 10'-0" X 10'-0" C.B.C.	
28	STANDARD METHODS FOR SUPERELEVATION & WIDENING OF CURVES (CROWNED HIGHWAYS)	M-1-D
29	STANDARD METHODS FOR SUPERELEVATION OF CURVES (DIVIDED HIGHWAYS)	M-1-D-1
30	STANDARD SIDE APPR. ROADS, FLARING, CUT SLOPE TREATMENT & WIDENING AT BRIDGES AND AT CREST OF GRADES	M-2-EN
31	STANDARD CONCRETE PAVEMENT JOINT DETAILS	M-8-D
32	STANDARD LETTERS & FIGURES FOR YEAR NUMBERS AND STRUCTURE NUMBERS	M-10-D
33	STANDARD NO. 8 CONC. INLET, MANHOLE & PIPE JOINTS ON SEWERS	M-12-E-B
34	STANDARD NO. 12 & NO. 13 CONC. INLETS	M-12-E-13
35	STANDARD EMBANKMENT PROTECTORS	M-13-C
36	STANDARD TIMBER GUARD POSTS	M-19-E
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38	CHAIN LINK WIRE MESH (SCHOOL) FENCE	M-26-D
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40	STANDARD BARRIER FENCE	M-28-B
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44	STANDARD CONC. INLET FOR MEDIAN DITCH	M-46-B
45	STANDARD WINGWALL FOR VARIOUS TYPES OF CONC. BOX CULVERTS	M-50-BW
46	STANDARD METHODS OF BACKFILL AROUND STRUCTURES	M-60-B
47	STANDARD HEADWALLS & APRONS FOR CMP CULVERTS	M-102-J
48	STANDARD TYPES OF DITCHES & CONST. METHODS	M-107-D
49	REINFORCED CONC. CULVERT PIPE & CONC. SEWER PIPE	M-112-F
50	STANDARD END & ANGLE SECTIONS, & EXPANSION JOINTS FOR CONC. PIPE	M-118-B
51	STANDARD SIPHON CORRUGATED GALVANIZED IRON PIPE WITH CONC. INLET AND OUTLET BOXES	M-123-E
52-56	DETAILS OF INTERCHANGE, W 6th & WADSWORTH	
57-58	DETAILS OF CURB & GUTTER & SEWER, W 6th & WADSWORTH	
59-64	DETAILS OF INTERCHANGE, W 6th & SHERIDAN	
65-67	DETAILS OF CURB & GUTTER & SEWER, W 6th & SHERIDAN	
68-75A	ALIGNMENT PLAN & PROFILE SHEETS	
76-163	CROSS SECTIONS	
164-175	CROSS SECTIONS (STRUCTURES ONLY)	
30A	STANDARD MARKER POSTS AND BENCH MARKS	M-7-D

393+39.4: END U 012-2(4)

OPPOSITE 393+39.4 ON FAP 67(6)

SEE SPECIAL PROVISIONS FOR NOTICE TO BIDDERS

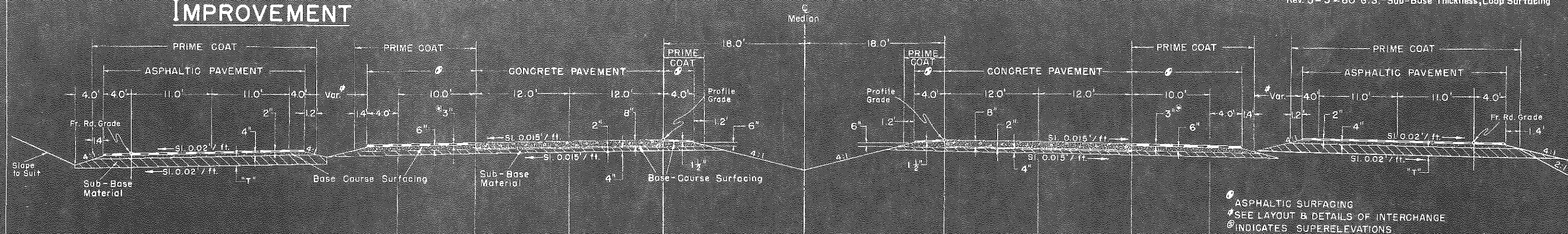
COLORADO DEPARTMENT OF HIGHWAYS	
APPROVED	4-4-60
CHIEF ENGINEER	
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
APPROVED	DATE
DIVISION ENGINEER	

TYPICAL CROSS SECTIONS OF IMPROVEMENT

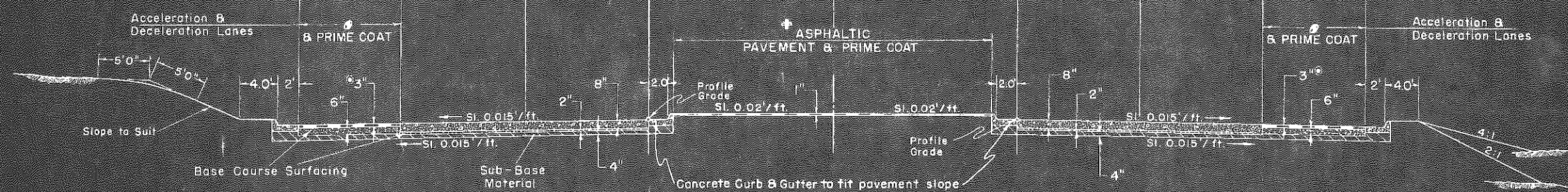
SECTION A-A' - WEST 6TH AVE. & WADSWORTH BLVD.

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
5	COLORADO	U 0 1 2-2 (4)	2	

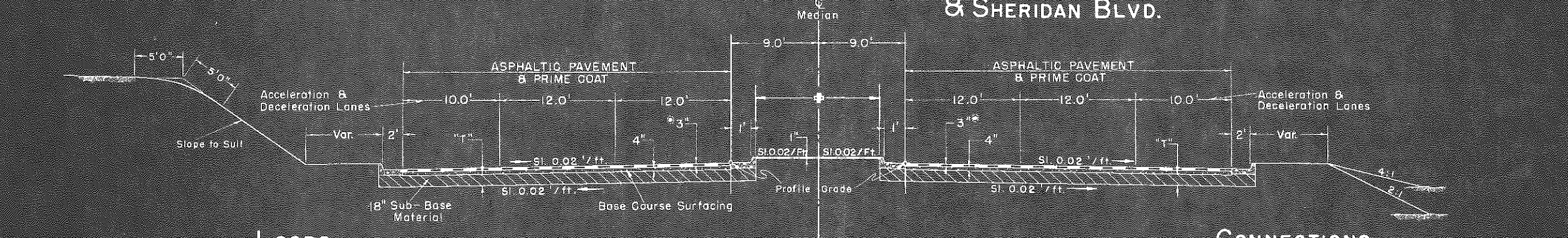
Rev. 5-5-60 G.S. - Sub-Base Thickness, Loop Surfacing



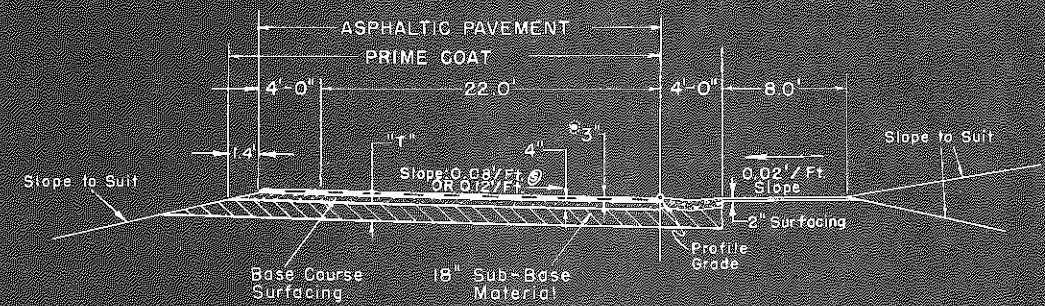
SECTION B-B' - WEST 6TH AVE. & WADSWORTH BLVD.



SECTION C-C' - WADSWORTH AVE. & SHERIDAN BLVD.

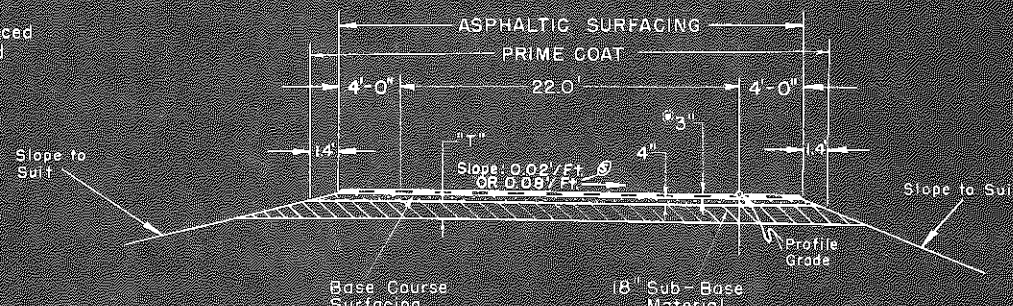


LOOPS



* Asphaltic Pavement to be placed in two (2) equal courses of 1 1/2" compacted thickness.

CONNECTIONS



DETAILS & LAYOUT OF INTERCHANGE, STA. 301+ WEST 6TH AVENUE & WADSWORTH

FEDERAL ROAD DISTRICT	PROJECT NO.	SHEET NO.	TOTAL SHEETS
9 COLORADO	U 012-2(4)	52	

Rev. 5-5-60 G.S. - Conduit & Curve Data
Rev. 6-23-60 Lighting, G.S. Rev. 2-8-61 Right of Way G.S.
Rev. 1-23-61 Right of Way, G.S.

LEGEND

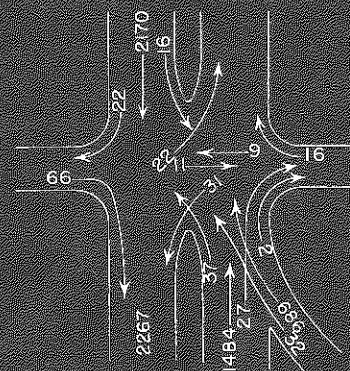
- Center Line
- Edge of Lane
- Curb & Gutter
- Valley Gutter
- Right of Way
- Shoulder
- 150 DHV 20 Years Hence
- 1 1/4" Electrical Conduit (Metal) with Junction Boxes

SCALE IN FEET
0 25 50 75 100 200

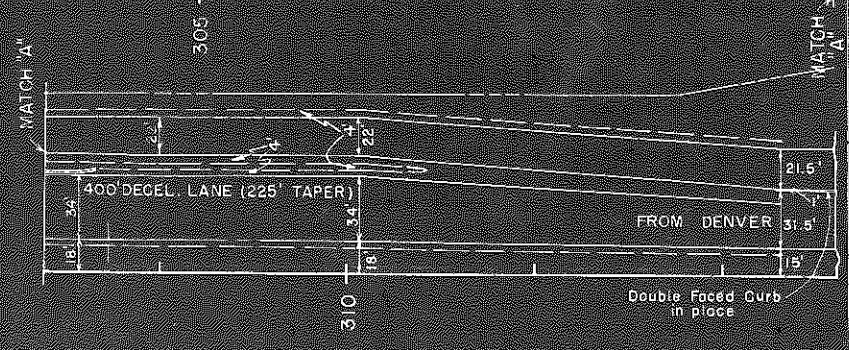
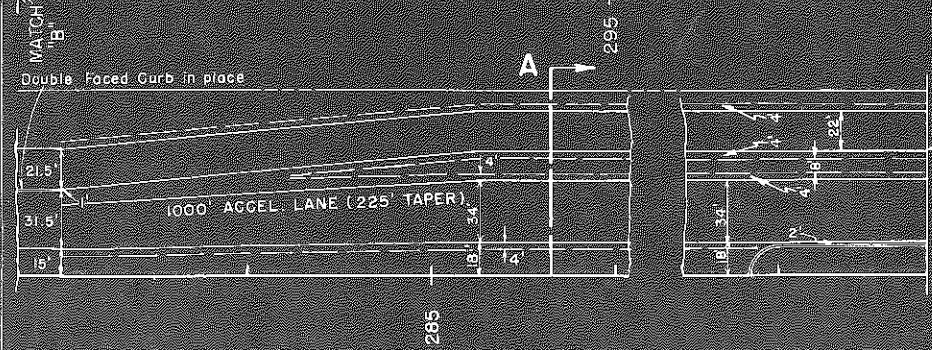
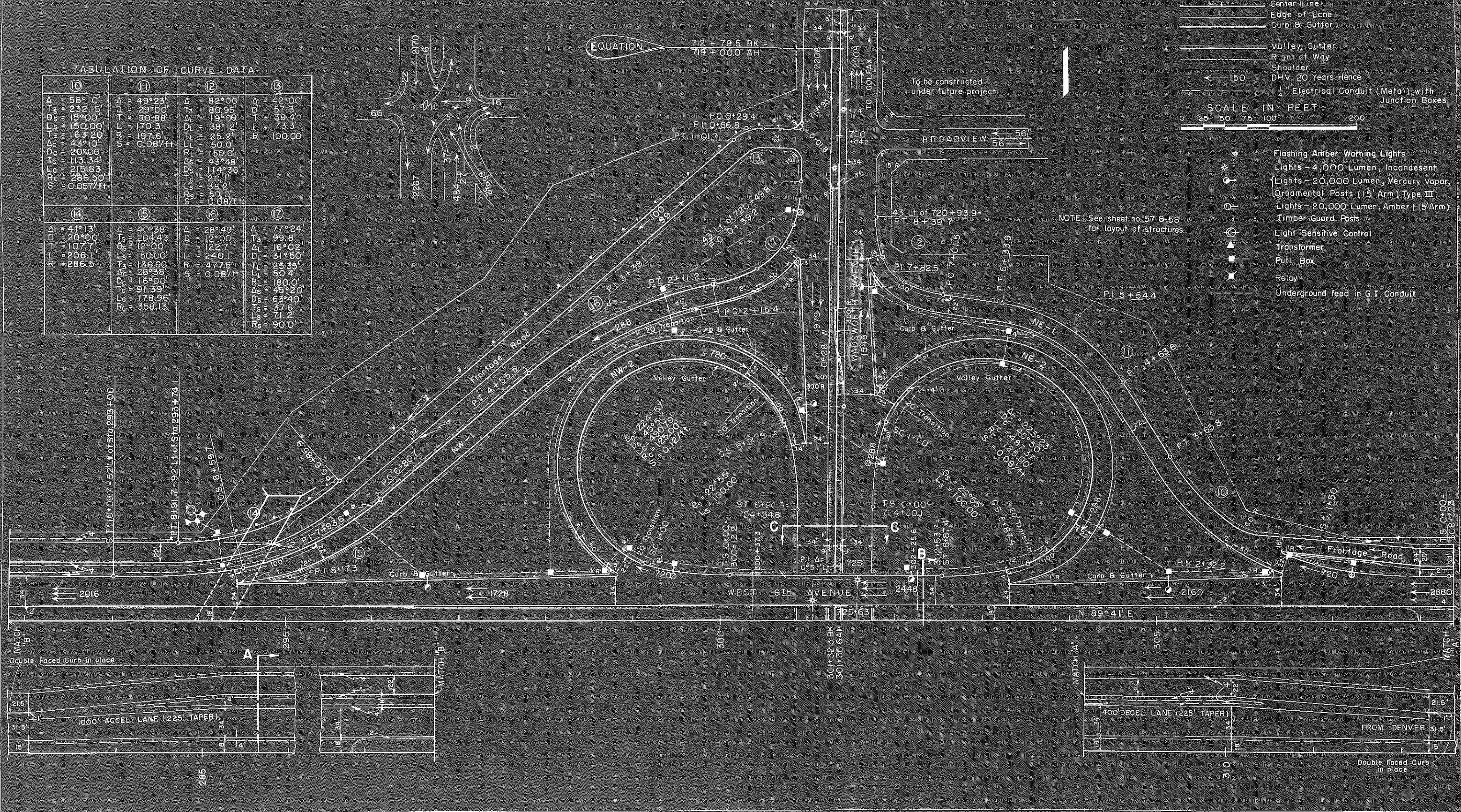
- Flashing Amber Warning Lights
- Lights - 4,000 Lumen, Incandescent
- Lights - 20,000 Lumen, Mercury Vapor, Ornamental Posts (15' Arm) Type III
- Lights - 20,000 Lumen, Amber (15' Arm) Timber Guard Posts
- Light Sensitive Control Transformer
- Pull Box
- Relay
- Underground feed in G.I. Conduit

NOTE: See sheet no. 57 & 58 for layout of structures.

TABULATION OF CURVE DATA			
(10)	(11)	(12)	(13)
$\Delta = 58^{\circ}10'$ $T_s = 232.15'$ $\theta_s = 15^{\circ}00'$ $L_s = 150.00'$ $T_c = 163.20'$ $\Delta_c = 43^{\circ}10'$ $D_c = 20^{\circ}00'$ $T_c = 113.34'$ $L_c = 215.83'$ $R_c = 286.50'$ $S = 0.0577\text{ft}$	$\Delta = 49^{\circ}23'$ $D = 29^{\circ}00'$ $T = 90.88'$ $L = 170.3'$ $R = 197.6'$ $S = 0.087\text{ft}$	$\Delta = 82^{\circ}00'$ $T_s = 80.95'$ $\Delta_c = 19^{\circ}06'$ $D_c = 38^{\circ}12'$ $T_c = 25.2'$ $L_c = 50.0'$ $\Delta_s = 43^{\circ}48'$ $D_s = 114^{\circ}36'$ $T_s = 20.1'$ $L_s = 38.2'$ $R_s = 50.0'$ $S = 0.087\text{ft}$	$\Delta = 42^{\circ}00'$ $D = 57.4'$ $T = 38.4'$ $L = 73.3'$ $R = 100.00'$
(14)	(15)	(16)	(17)
$\Delta = 41^{\circ}13'$ $D = 20^{\circ}00'$ $T = 107.7'$ $L = 206.1'$ $R = 286.5'$	$\Delta = 40^{\circ}38'$ $T_s = 204.43'$ $\theta_s = 12^{\circ}00'$ $L_s = 150.00'$ $T_c = 136.60'$ $\Delta_c = 28^{\circ}38'$ $D_c = 16^{\circ}00'$ $T_c = 91.39'$ $L_c = 178.96'$ $R_c = 358.13'$	$\Delta = 28^{\circ}49'$ $D = 2^{\circ}00'$ $T = 122.7'$ $L = 240.1'$ $R = 477.5'$ $S = 0.087\text{ft}$	$\Delta = 77^{\circ}24'$ $T_s = 99.8'$ $\Delta_c = 16^{\circ}02'$ $D_c = 31^{\circ}50'$ $T_c = 25.35'$ $L_c = 50.4'$ $\Delta_s = 180^{\circ}0'$ $D_s = 45^{\circ}20'$ $T_s = 63^{\circ}40'$ $L_s = 31.6'$ $R_s = 71.2'$ $S = 90.0'$



EQUATION
 $712 + 79.5 \text{ BK} = 719 + 000 \text{ AH}$

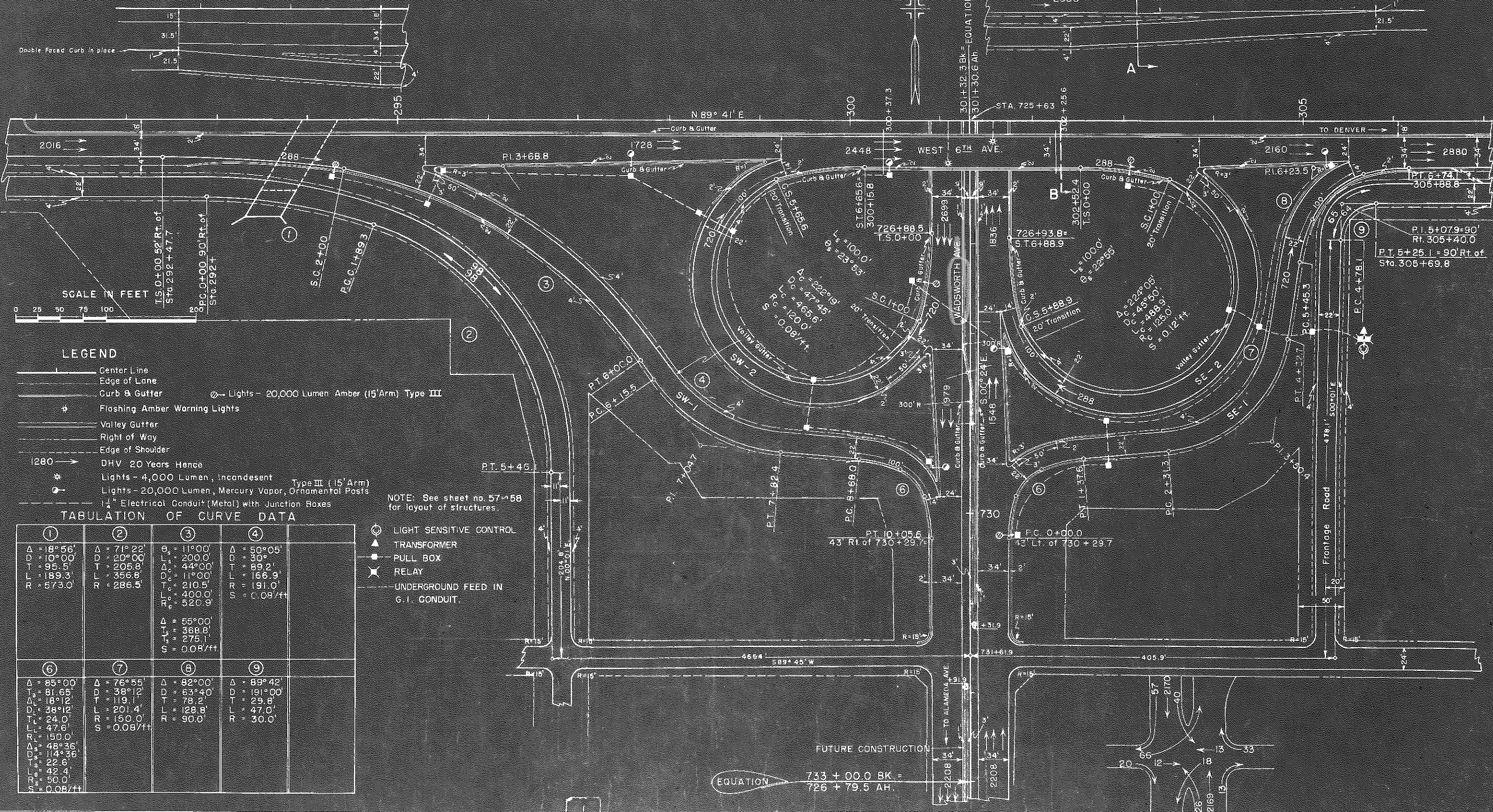


FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
5	COLORADO	U C 12-2(4)	53	

Rev. 5-5-60 G.S. - Conduit & Curve Data
Rev. 6-23-60 Lighting, G.S.
Rev. 12-8-61 Right of Way - G.S.

DETAILS & LAYOUT OF INTERCHANGE, STA. 301+

WEST 6TH AVENUE & WADSWORTH



SCALE IN FEET



LEGEND

- Center Line
- Edge of Lane
- Curb & Gutter
- Flashing Amber Warning Lights
- Valley Gutter
- Right of Way
- Edge of Shoulder
- DHV 20 Years Hence
- Lights - 4,000 Lumen, Incandescent Type III (15' Arm)
- Lights - 20,000 Lumen, Mercury Vapor, Ornamental Posts
- 1/2" Electrical Conduit (Metal) with Junction Boxes

TABULATION OF CURVE DATA

①	②	③	④
Δ = 18° 56'	Δ = 71° 22'	Δ = 11° 00'	Δ = 50° 05'
D = 10° 00'	D = 20° 00'	L = 200.0'	D = 30°
T = 95.5'	T = 205.8'	Δ = 44° 00'	T = 89.2'
L = 189.3'	L = 356.8'	D = 11° 00'	L = 166.9'
R = 573.0'	R = 286.5'	T = 210.5'	R = 191.0'
		L = 400.0'	S = 0.08'/ft
		R = 520.9'	
		Δ = 55° 00'	
		T = 368.8'	
		L = 275.1'	
		S = 0.08'/ft	
⑥	⑦	⑧	⑨
Δ = 85° 00'	Δ = 76° 55'	Δ = 82° 00'	Δ = 89° 42'
T = 81.65'	D = 38° 12'	D = 63° 40'	D = 191° 00'
Δ = 18° 12'	T = 119.1'	T = 78.2'	T = 29.8'
D = 36° 12'	L = 201.4'	L = 128.8'	L = 47.0'
T = 24.0'	R = 150.0'	R = 90.0'	R = 30.0'
L = 47.6'	S = 0.08'/ft		
R = 150.0'			
Δ = 48° 36'			
D = 14° 36'			
T = 22.6'			
L = 42.4'			
R = 50.0'			
S = 0.08'/ft			

NOTE: See sheet no. 57-158 for layout of structures.

- LIGHT SENSITIVE CONTROL
- TRANSFORMER
- PULL BOX
- RELAY
- UNDERGROUND FEED IN G.I. CONDUIT

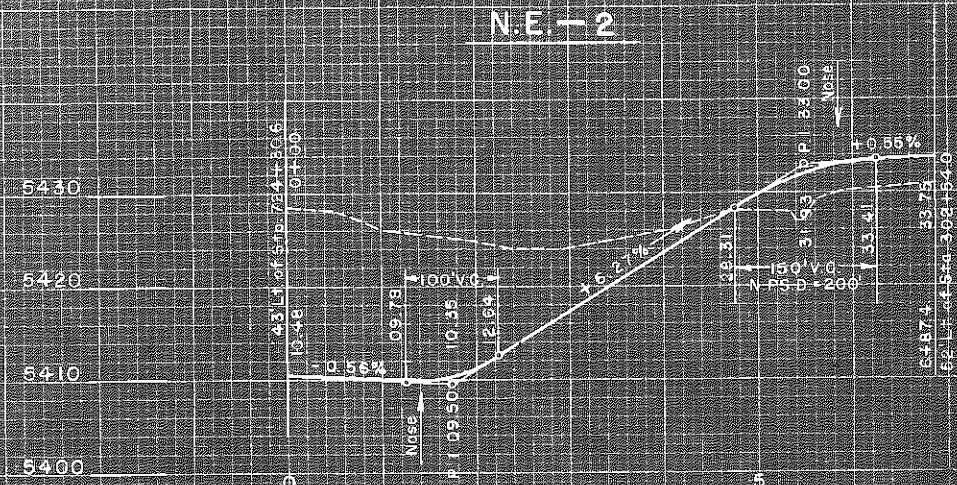
EQUATION 733 + 00.0 BK = 726 + 79.5 AH.

INTERSECTION LOOPS & CONNECTIONS, STA. 301+

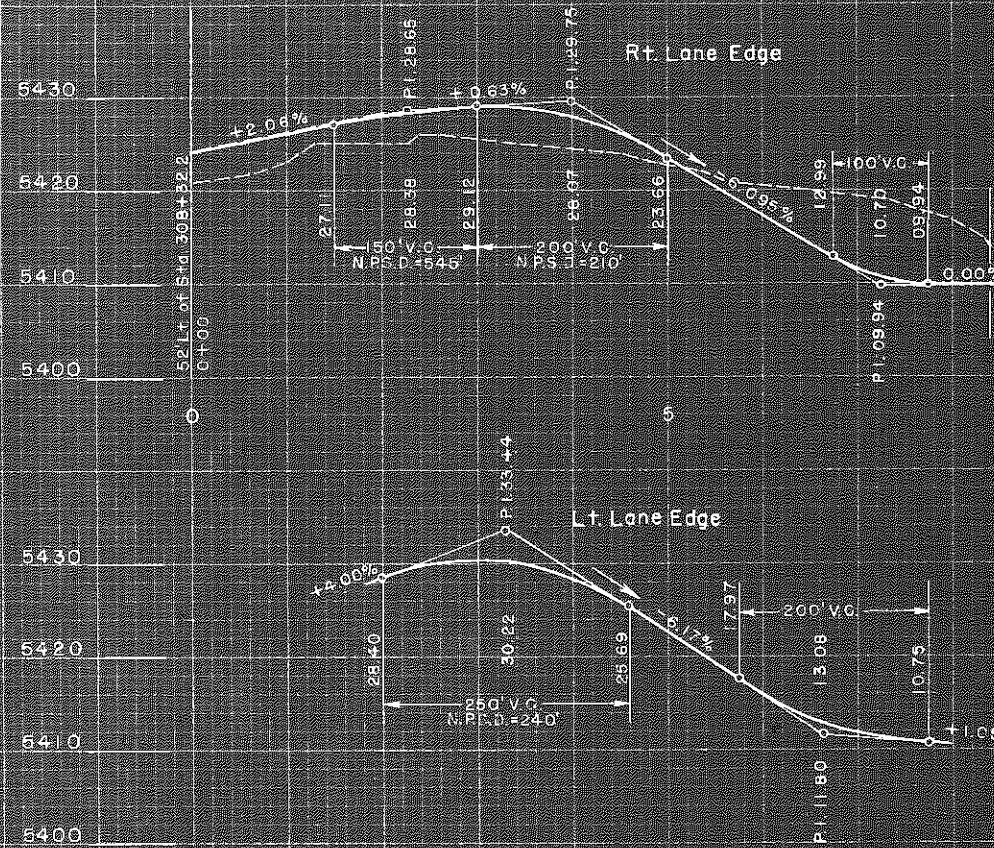
FED. ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	CDLO	U 012-2(4)	54	

W 6th & WADSWORTH

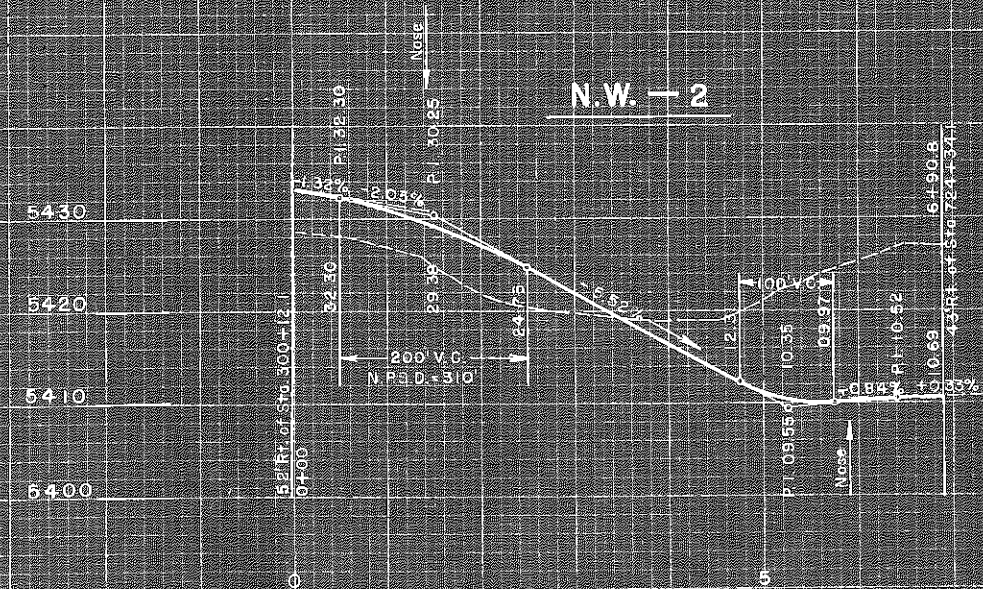
N.E. - 2



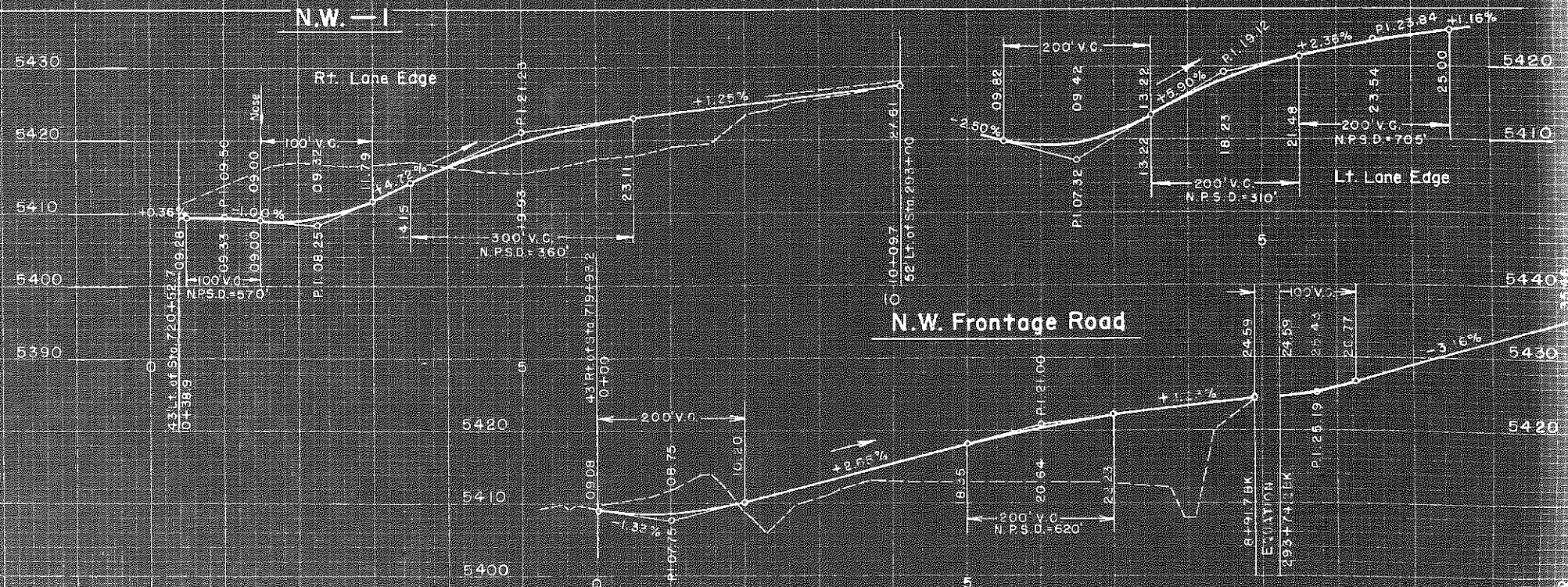
NE - 1



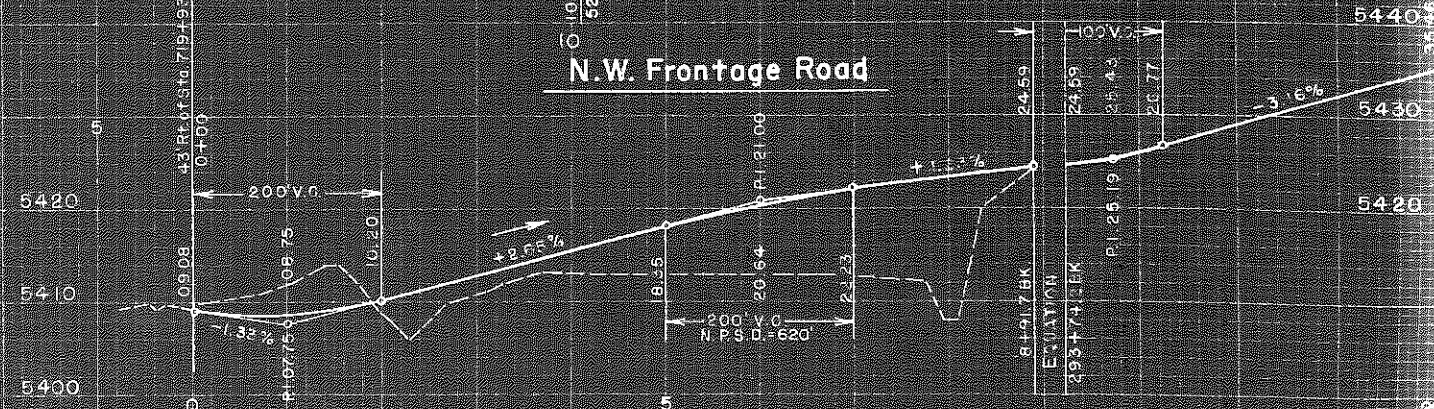
N.W. - 2



N.W. - 1



N.W. Frontage Road

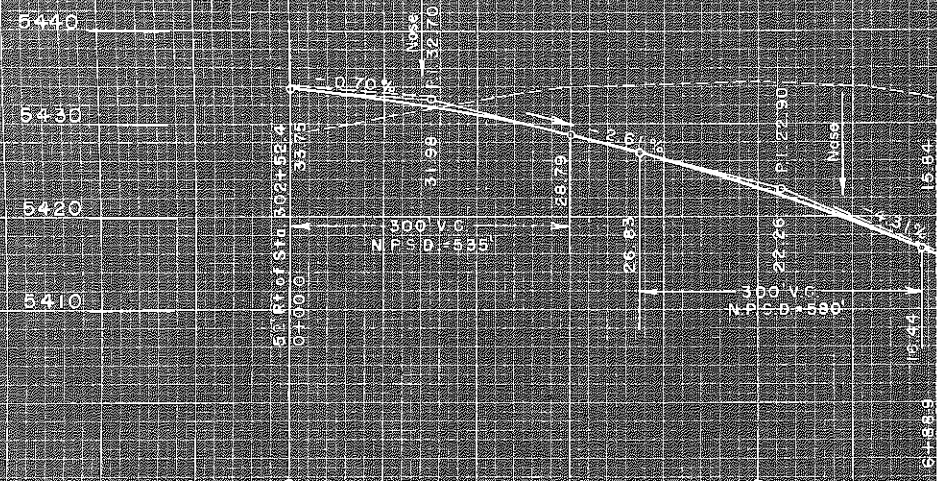


INTERSECTION LOOPS & CONNECTIONS, STA. 301+

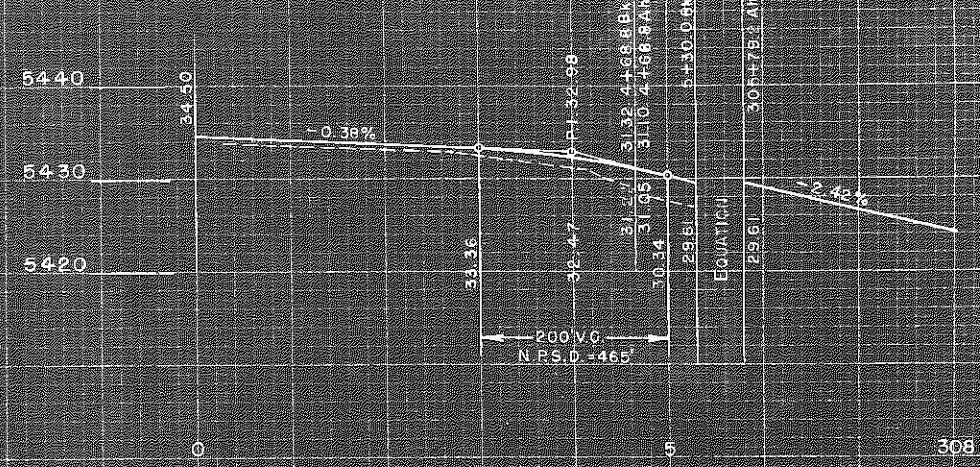
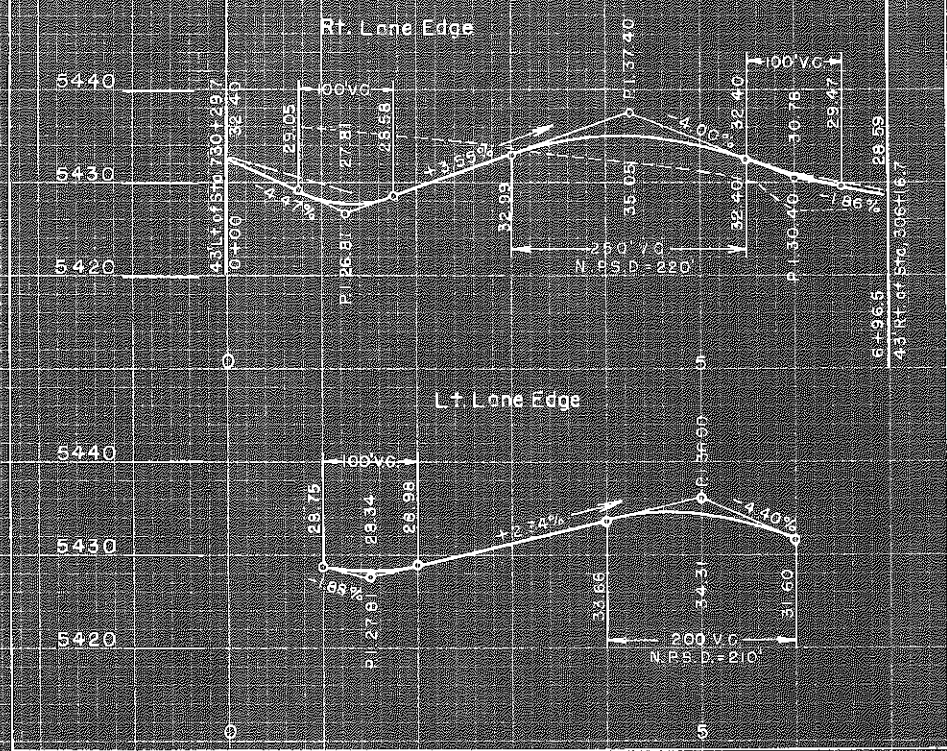
FED. ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COL. C.	UO 12-2(4)	55	

W 6th & WADSWORTH

SE-2

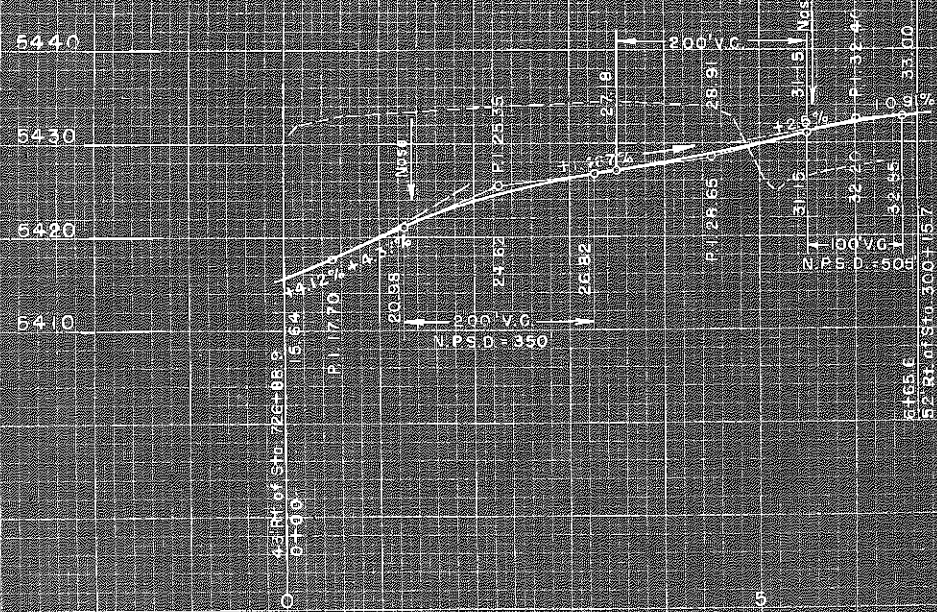


S.E.-1

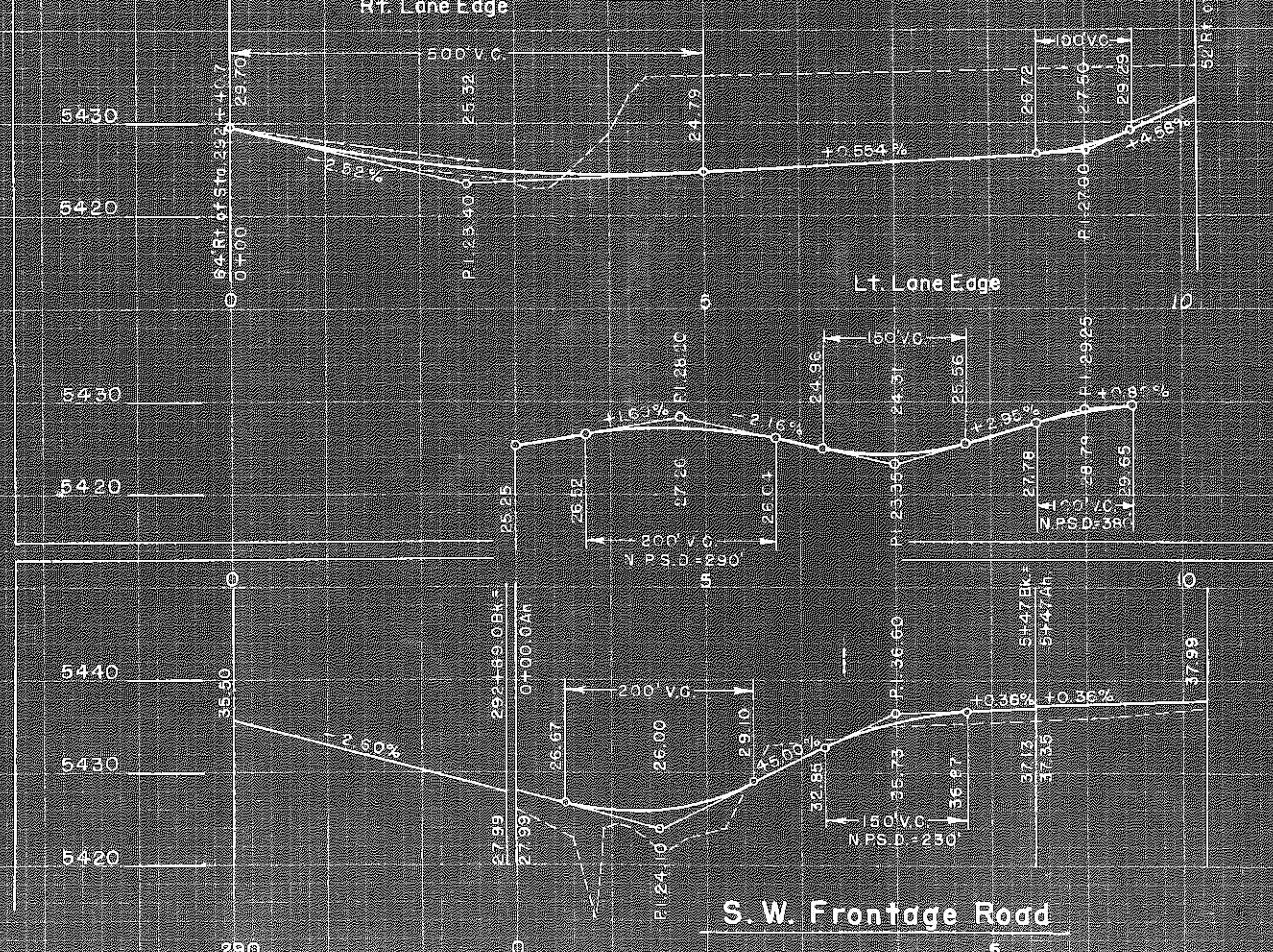


S.E. Frontage Road

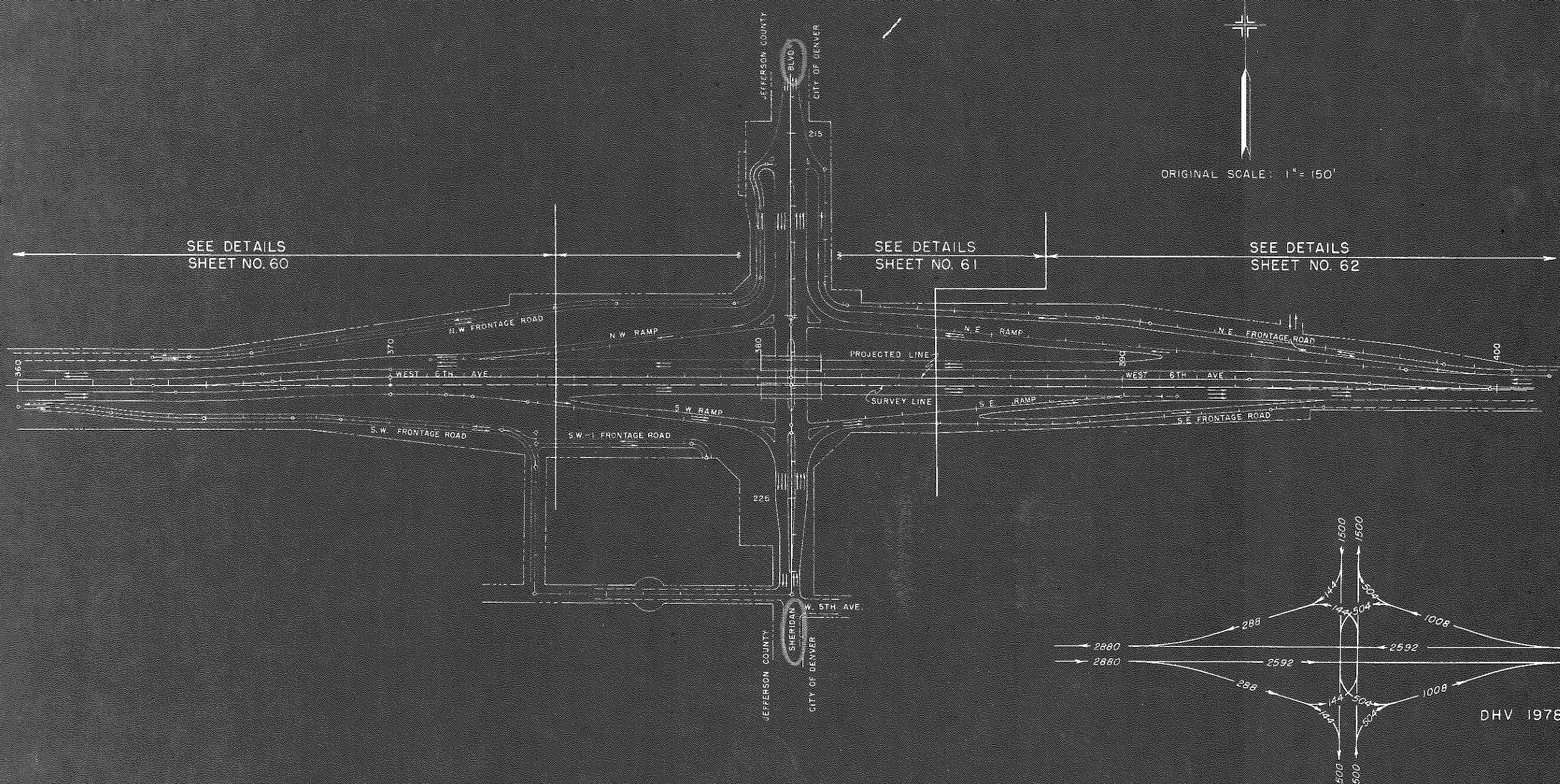
S.W.-2



S.W.-1



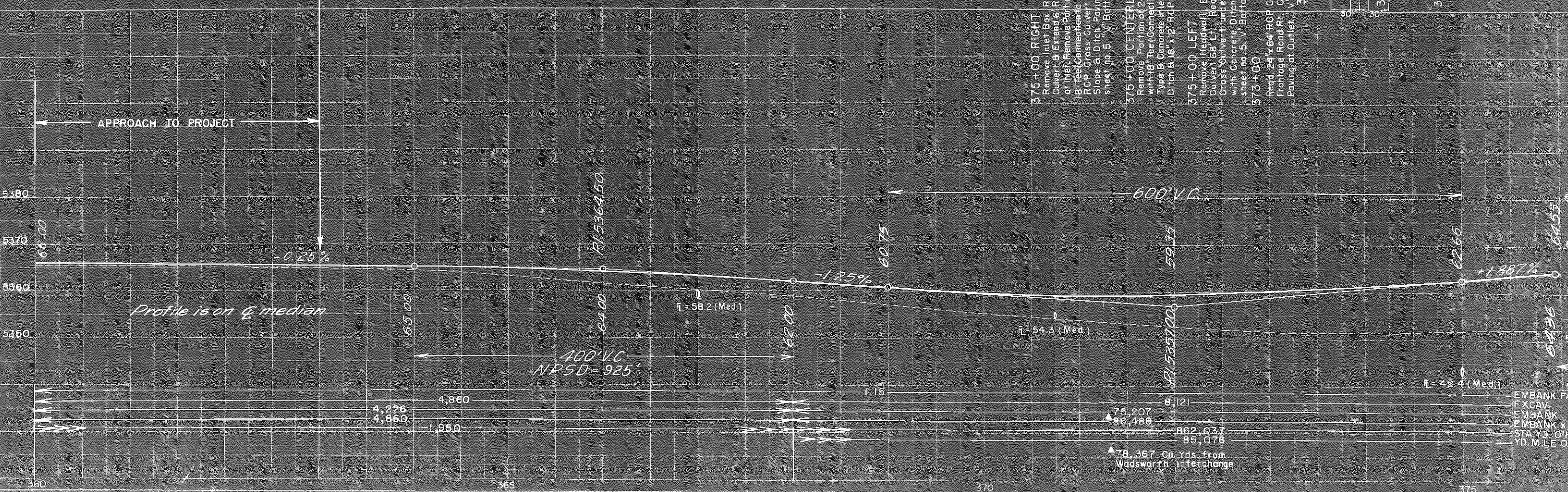
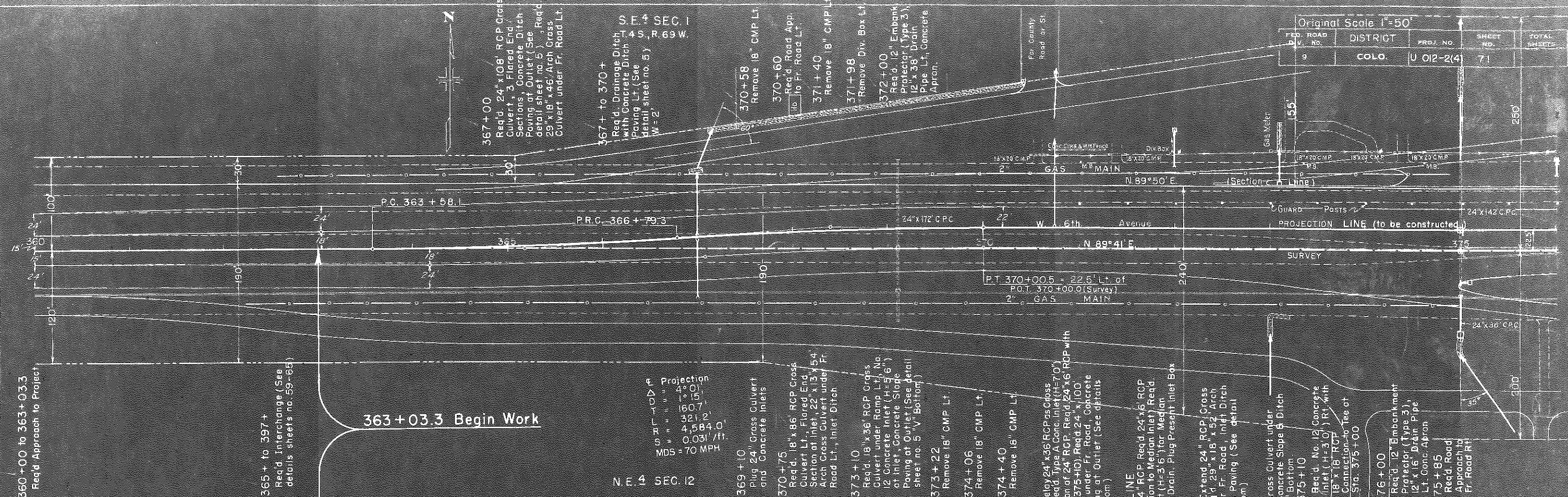
S.W. Frontage Road

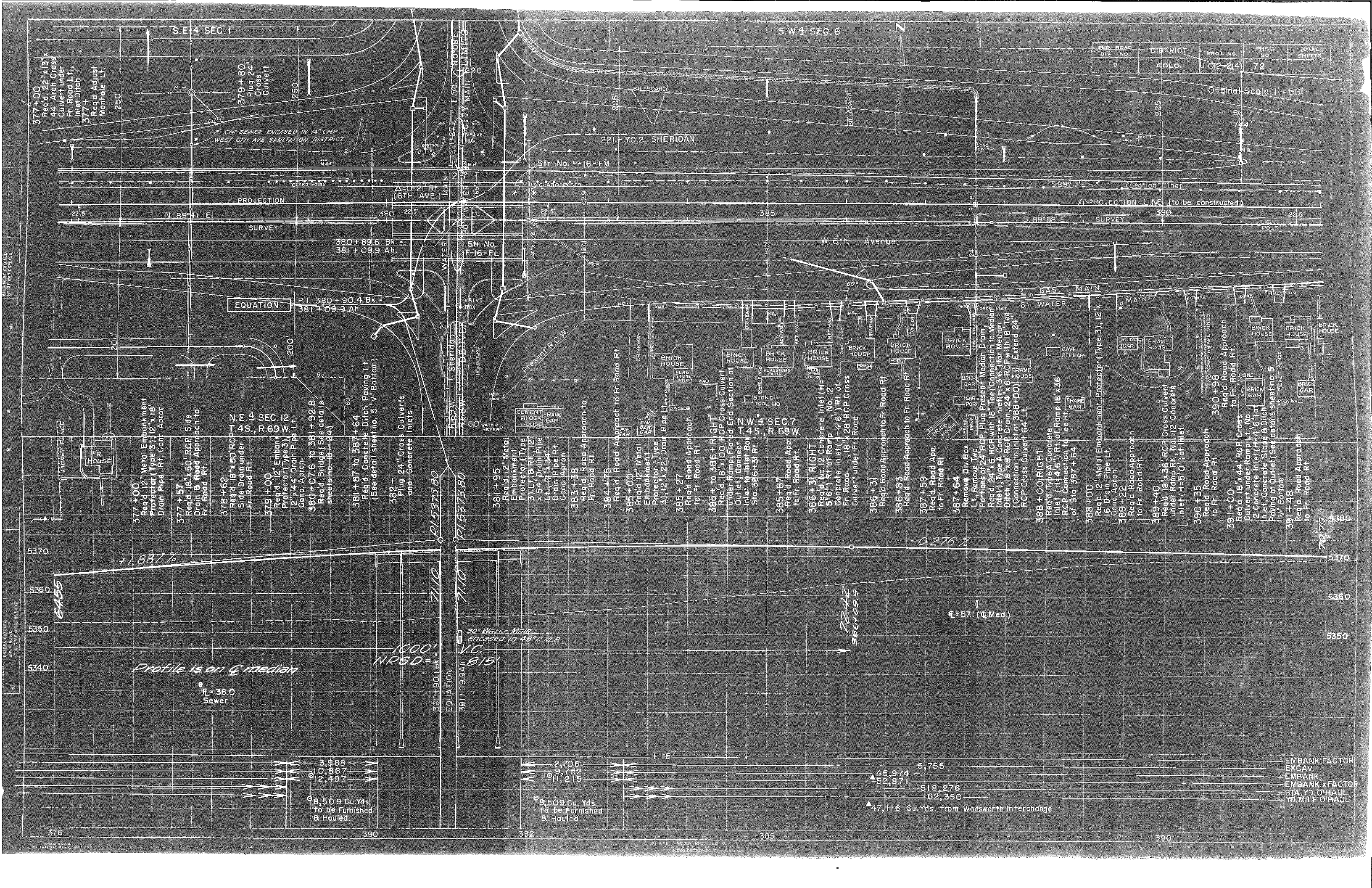


DHV 1978

NOTE: SEE SHEET 71 FOR DETAILS OF ROAD CROSSINGS

NOTE: SEE SHEET 71 FOR DETAILS OF ROAD CROSSINGS





REG. ROAD	DIST. NO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	U 012-2(4)	72	

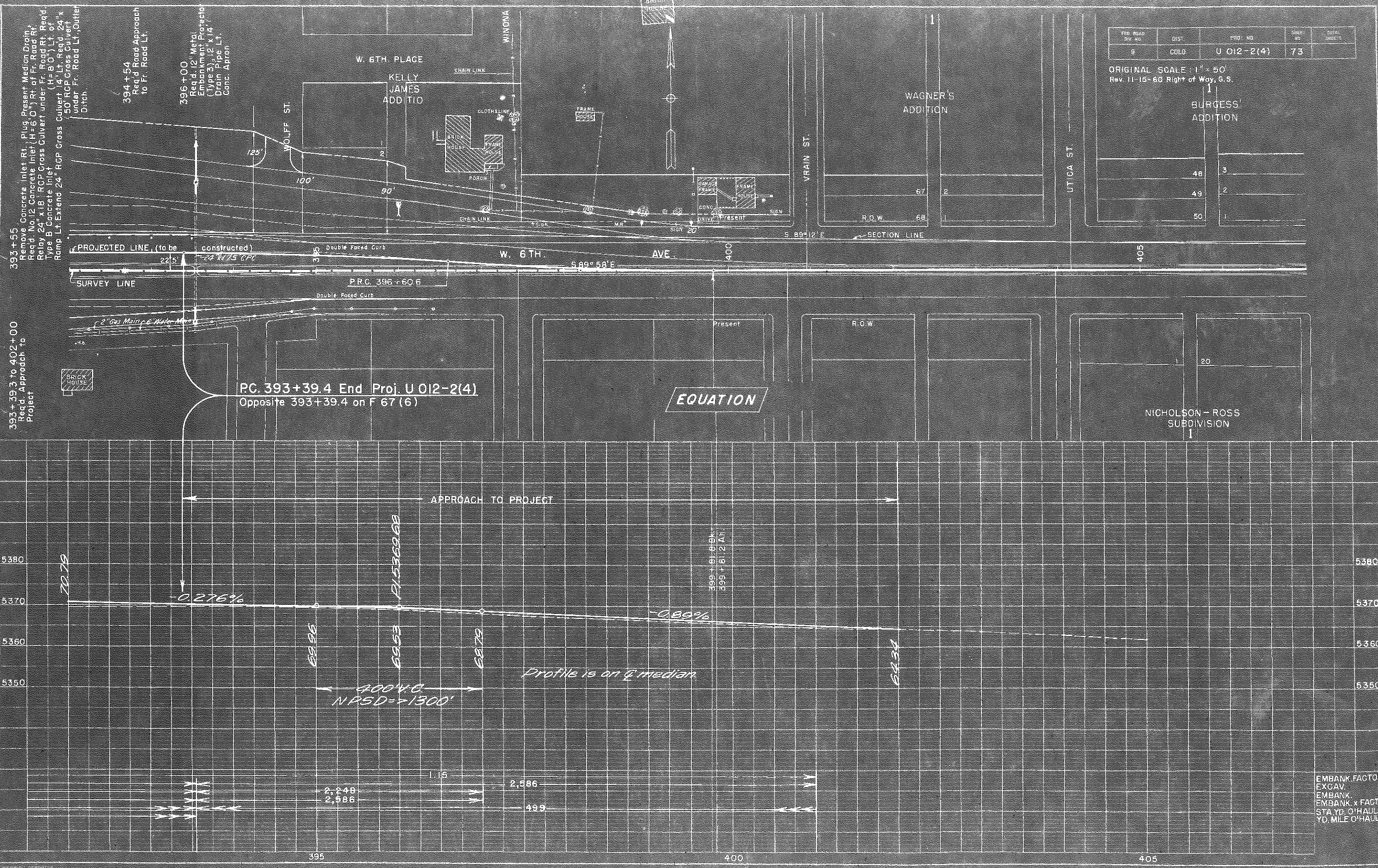
Original Scale 1"=50'

PROJECTION LINE (to be constructed)

EQUATION
P.I. 380+90.4 Bk.
381+09.9 Ah.

EMBANK. FACTOR
EXCAV.
EMBANK.
STA. YD. O'HAUL
YD. VILE O'HAUL

PLAY	STORY	DATE	Q.A.E.
WINTER	STORY		
NO.	STORY		



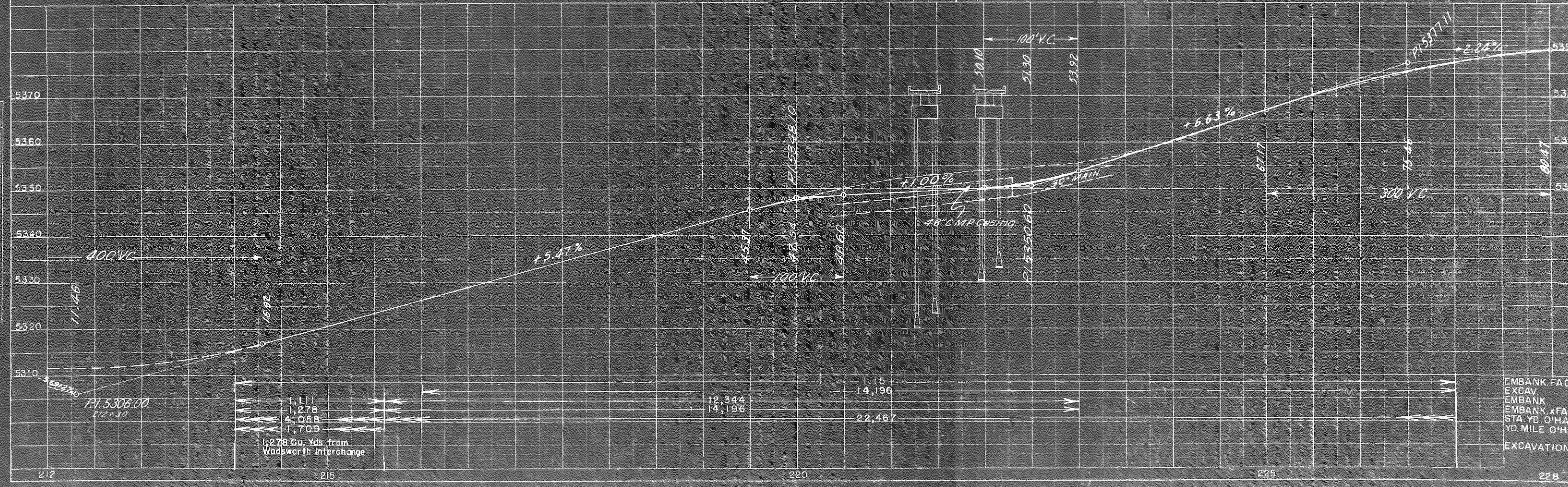
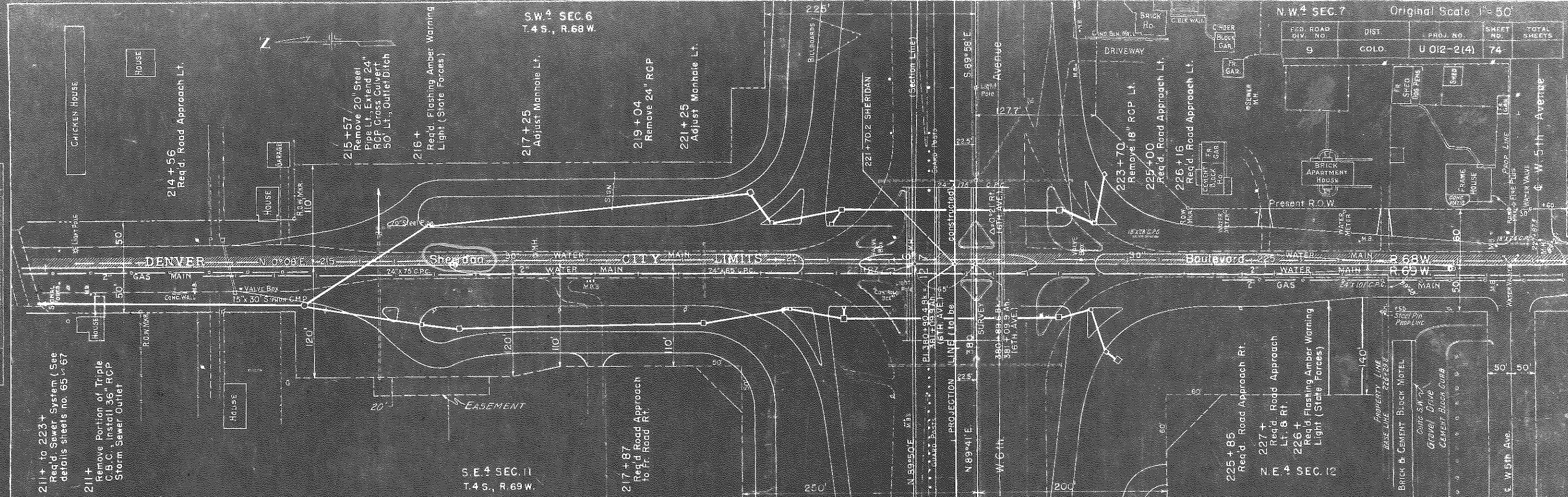
REP. NAME HW. NO.	DIST.	PRO. NO.	SHEET NO.	TOTAL SHEETS
9	COLD	U 012-2(4)	73	

ORIGINAL SCALE: 1" = 50'
Rev. 11-15-60 Right of Way, G.S.

48	3
49	2
50	1

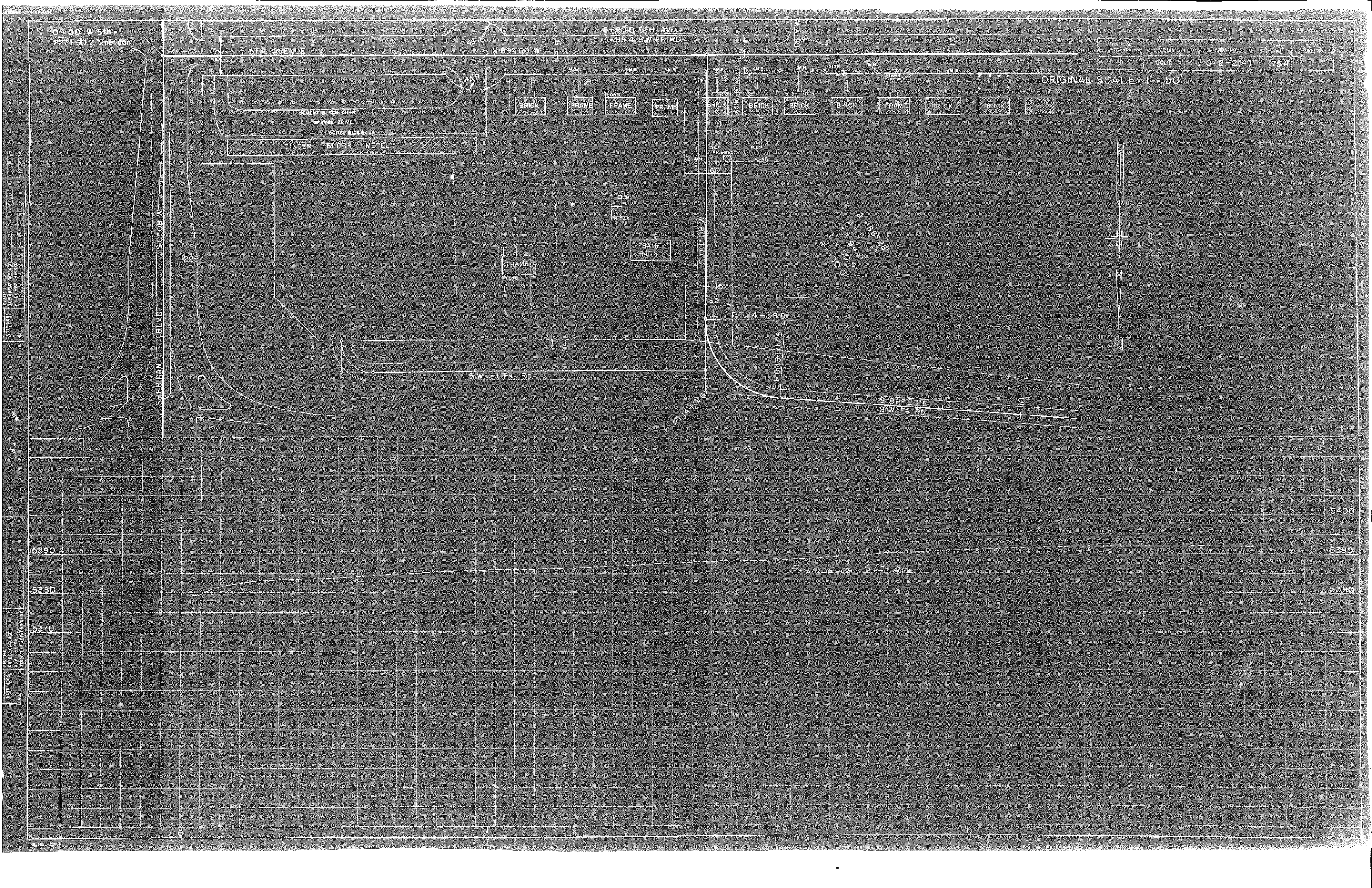
DATE	REVISION
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10/1/67	2. REVISION
10/1/67	3. REVISION
10/1/67	4. REVISION
10/1/67	5. REVISION
10/1/67	6. REVISION
10/1/67	7. REVISION
10/1/67	8. REVISION
10/1/67	9. REVISION
10/1/67	10. REVISION

DATE	REVISION
10/1/67	1. REVISION
10/1/67	2. REVISION
10/1/67	3. REVISION
10/1/67	4. REVISION
10/1/67	5. REVISION
10/1/67	6. REVISION
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10/1/67	9. REVISION
10/1/67	10. REVISION



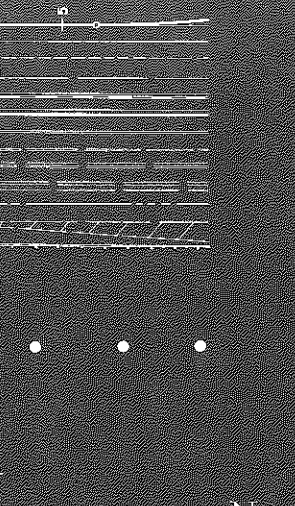
EMBANK FACTOR
EXCAV
EMBANK
EMBANK FACTOR
STA YD. O'HAIL
YD. MILE O'HAIL
EXCAVATION





LEGEND

CONTROL LINE
LANE EDGE
SHOULDER
LANE EDGE (In Place)
CONCRETE COMBINATION CURB & GUTTER (1 ft)
CONCRETE COMBINATION CURB & GUTTER (2 ft)
BARRIER CURB
BARRIER CURB (In Place)
CONCRETE COMBINATION CURB & GUTTER (In Place)
CONCRETE COMBINATION CURB & GUTTER & SIDEWALK (In Place)
RIGHT OF WAY
AREA DENIED TO TRAFFIC
METAL PLATE GUARD FENCE (BEAM TYPE)
20,000 LUMEN, MERCURY VAPOR (15' ARM)
20,000 LUMEN, AMBER (15' ARM)
4,000 LUMEN, INCANDESCENT LUMINARY (In Place)
TIMBER GUARD POSTS
FLASHING AMBER WARNING LIGHT
LIGHT SENSITIVE CONTROL
TRANSFORMER
PULL BOX
UNDERGROUND FEED IN G.I. CONDUIT
RELAY



DETAIL OF INTERCHANGE

W. 6th. Ave. & Sheridan Blvd.

ORIGINAL SCALE: 1" = 50'



NOTE: All dimensions to curb are to face of curb.
All curb flares on this sheet are 15 ft. radius to face of curb.

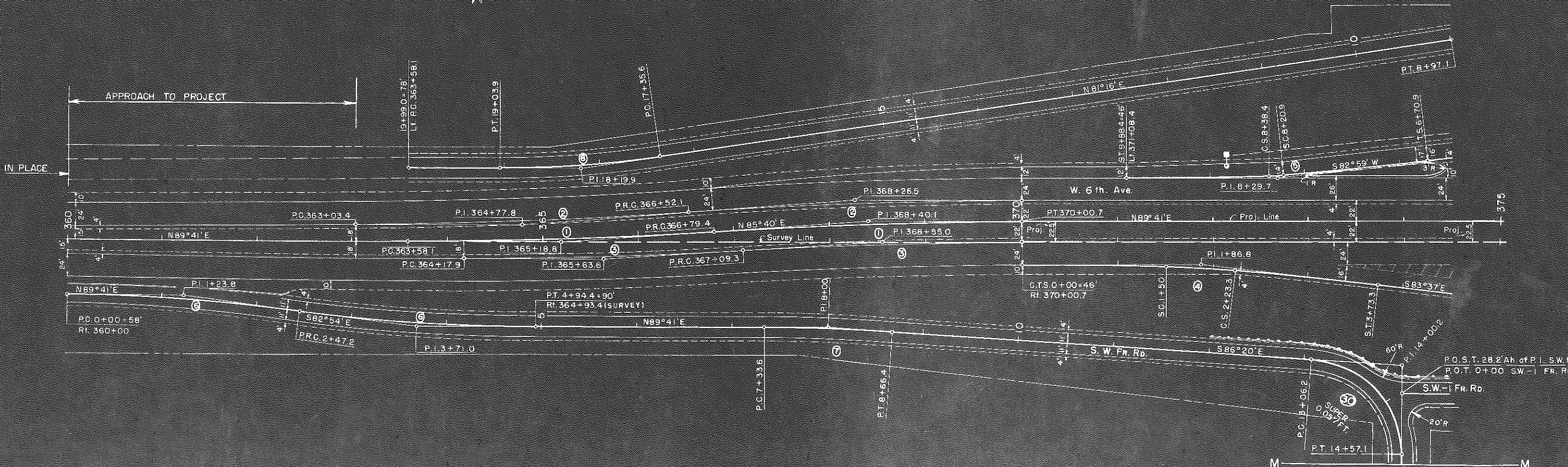
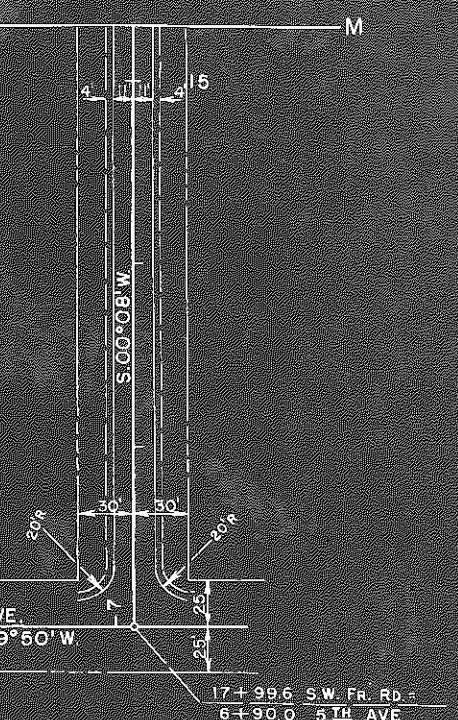
See sheets Nos. 65 & 67
Layout of Curbs & Storm Sewer

CURVE DATA

CURVE NO	Δ	T _s	L _s	Δ _c	D _c	T _c	L _c	R _c
1	4° 01'				1° 15'	160.7'	321.3'	4584.0'
2	4° 21'				1° 15'	174.4'	348.6'	4584.0'
3	3° 38'				1° 15'	145.7'	291.4'	4584.0'
4	6° 42'	186.8'	150.0'	2° 12'	3° 00'	36.7'	73.3'	1910.0'
5	6° 42'	158.9'	150.0'	0° 42'	4° 00'	8.8'	17.5'	1432.5'
6	7° 25'				3° 00'	123.8'	247.2'	1910.0'
7	3° 59'				3° 00'	66.4'	132.8'	1910.0'
8	6° 25'				5° 00'	84.3'	168.3'	1146.0'
30	86° 28'				57° 18'	94.0'	150.9'	100.0'

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	U O 12-2(4)	60	

Rev. 5-5-60 G.S.-Station Data & Conduit
Rev. 6-23-60 Lighting, G.S.



W. 6TH. AVE & SHERIDAN

-  Light Sensitive Control
-  Transformer
-  Pull Box
-  Relay
-  Underground feed in G.I. Conduit

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
5	COLORADO	U 012-2(4)	61	

Rev. 5-5-60 G.S. - Station Data & Conduit
Rev. 6-23-60 Lighting, G.S.

NOTE: All dimensions to curb are to face of curb.
All curb flares on this sheet have a 15' radius to face of curb.

See sheet Nos. 65 & 67
Layout of Curb & Storm Sewer.

NOTE: Cost of Conductor in Conduit _____
to be borne by City & County of Denver
Conduit inside of City Limits to be
placed by others.

	Δ	D	T	L	R
10	90°00'	143°15'	40.0'	62.8	40.0'
11	5°30'	3°	91.7'	183.3'	1910.0'
12	8°25'	5°	84.3'	168.3'	1146.0'
13	89°39'	80.7°	70.5'	111.0'	71.0'
14	87°30'	95.5°	57.4'	91.6'	60.0'
15	111° 21'	173.636°	48.3'	64.1'	33.0'
16	21° 21'	28.65°	37.7'	74.5'	200.0'

0 50 100 200
ORIGINAL SCALE : 1" = 50'



CURVE DATA

CURVE NO	Δ	T_s	L_s	Δ_c	D_c	T_c	L_c	R_c
15	4° 01'				1° 15'	160.7'	321.3'	4584.0'
16	8° 34'				5° 00'	85.8'	171.3'	1146.0'
	6° 04'				5° 00'	60.7'	121.3'	1146.0'
19	4° 47'	166.8'	150.0'	1° 00'	1° 15'	191.5'	382.7'	4584.0'
20	5° 30'				3° 00'	16.7'	33.3'	1910.0'
21	4° 12'				3° 00'	70.0'	140.0'	1910.0'

DETAIL OF INTERCHANGE

W. 6 th. Ave. & Sheridan Blvd.

ORIGINAL SCALE: 1" = 50'

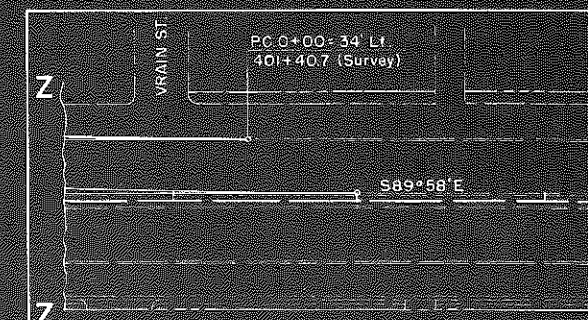
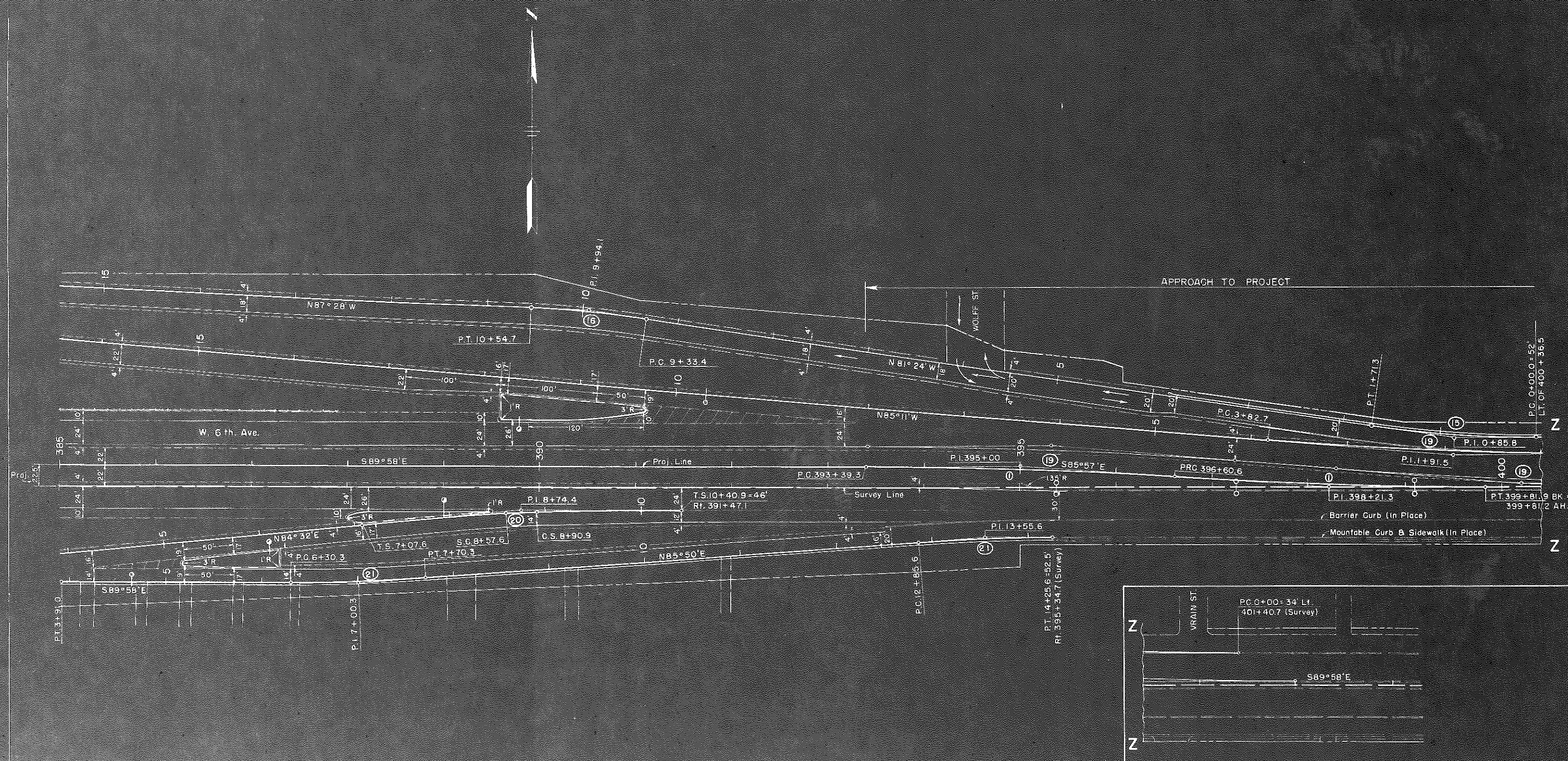


NOTE: All dimensions to curb are to face of curb.
All curb flares on this sheet are 15 ft. radius to face of curb, except where otherwise shown.

See Sheet Nos. 65 & 67
Layout of Curb & Storm Sewer.

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	U C12-2(4)	62	

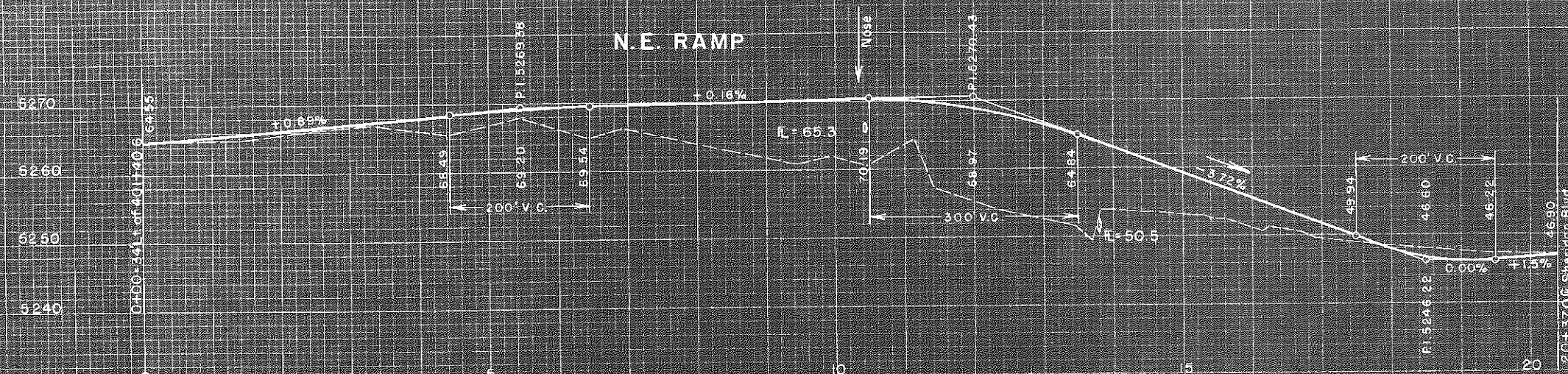
Rev. 5-5-60 G.S. Station Data
Rev. 6-23-60 Lighting, G.S.
Rev. 11-15-60 Right of Way, G.S.



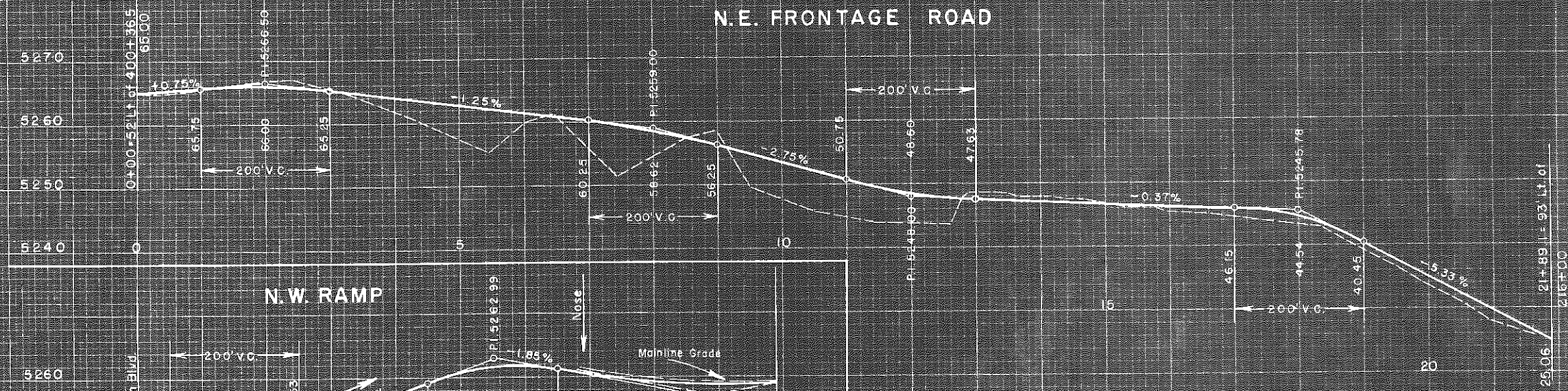
PROFILE GRADES FOR RAMPS & FRONTAGE ROADS (WEST 6TH AVE. & SHERIDAN BLVD.)

FED. ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	UO12-2(4)	63	

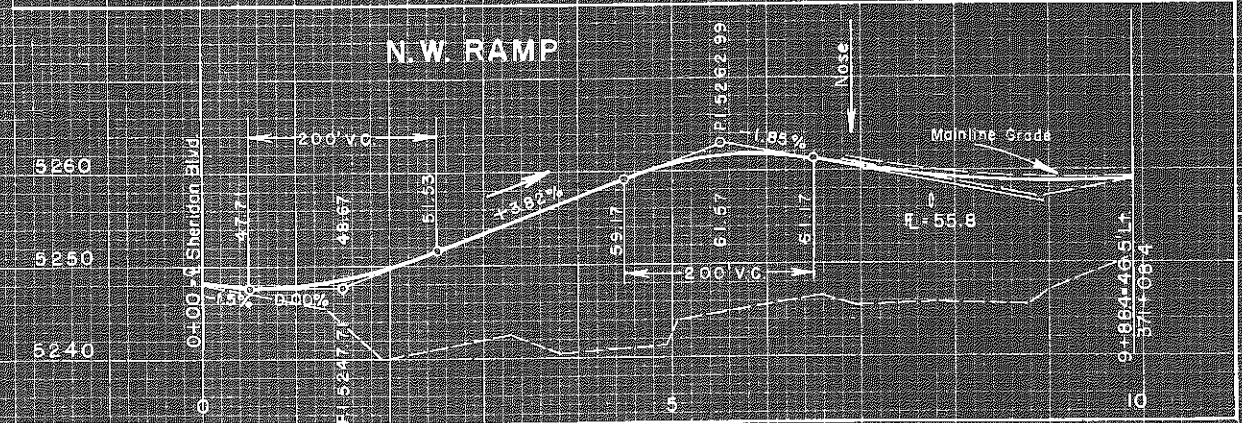
N.E. RAMP



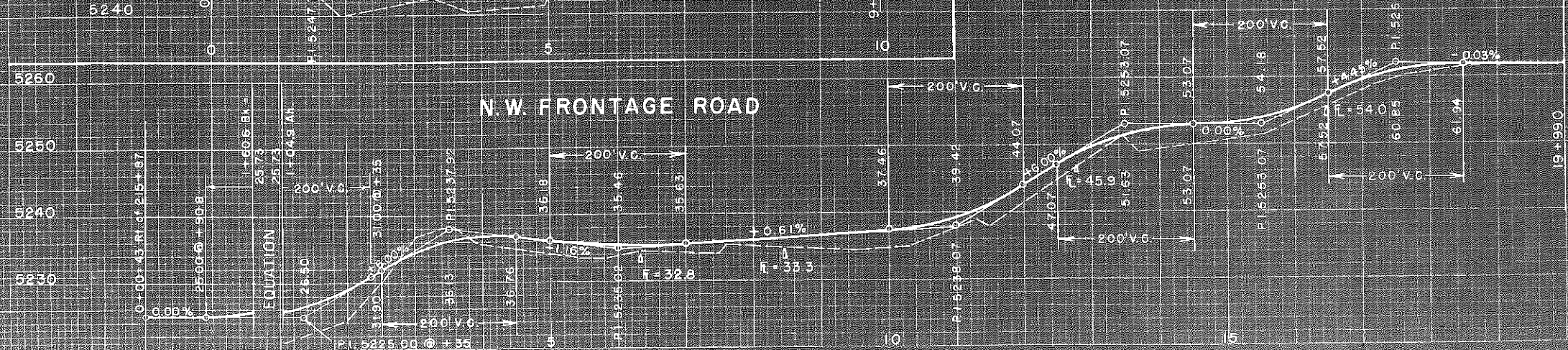
N.E. FRONTAGE ROAD



N.W. RAMP



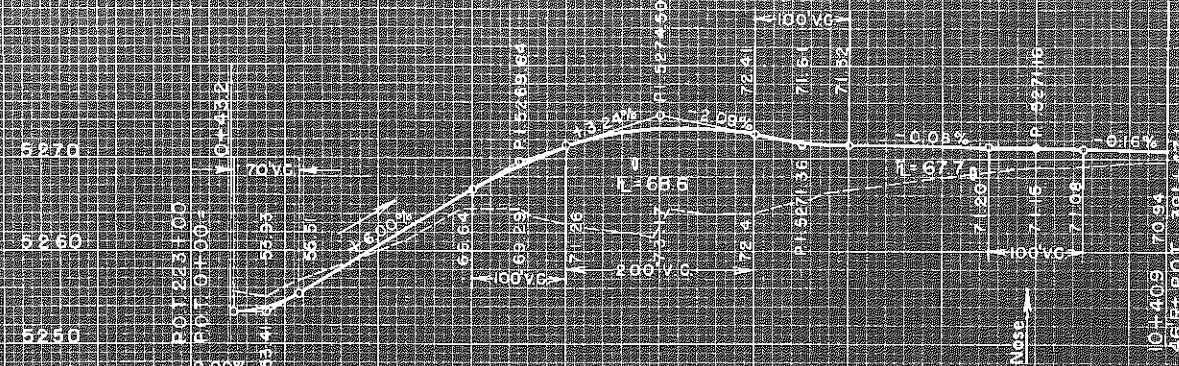
N.W. FRONTAGE ROAD



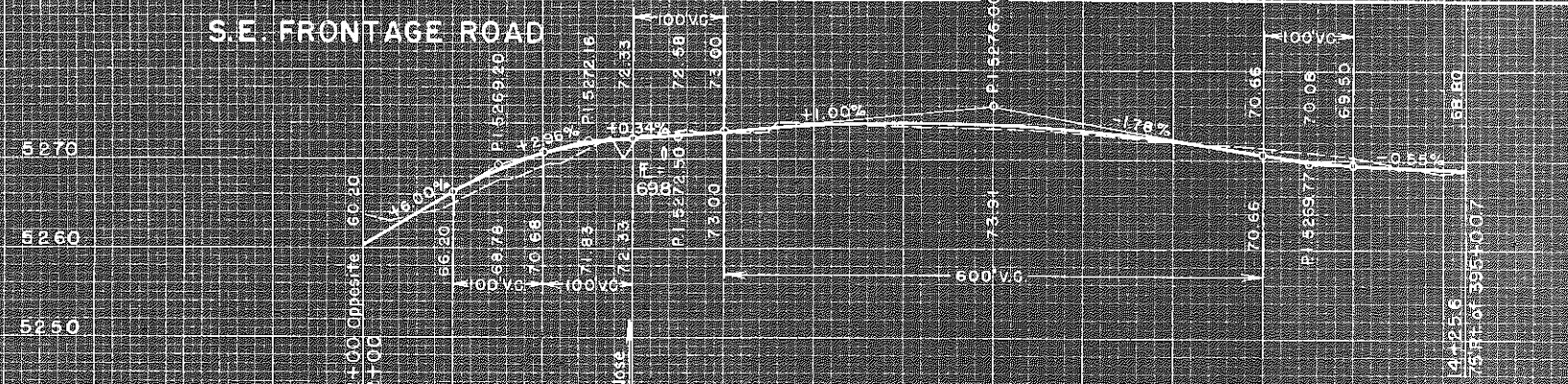
PROFILE GRADES FOR RAMPS & FRONTAGE ROADS (WEST 6TH AVE. & SHERIDAN BLVD.)

FED. ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	U 012-2(4)	64	

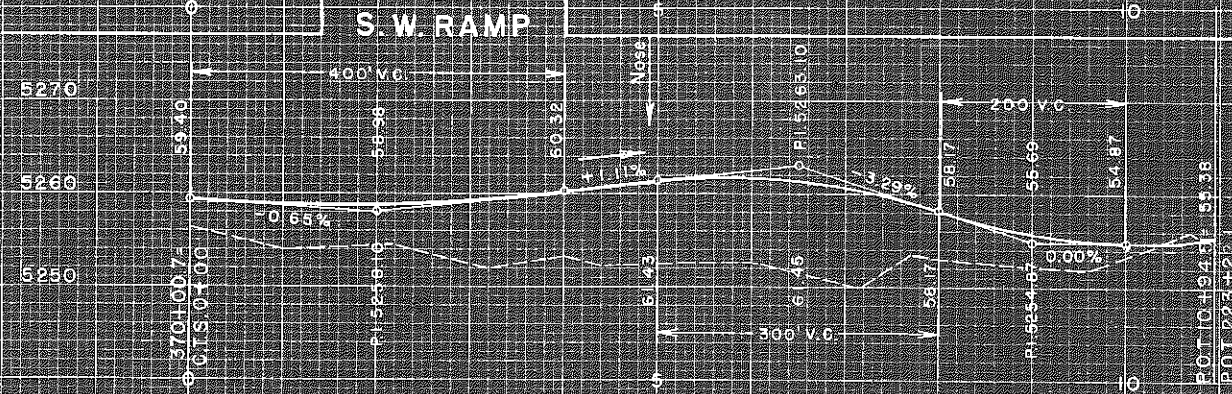
S.E. RAMP



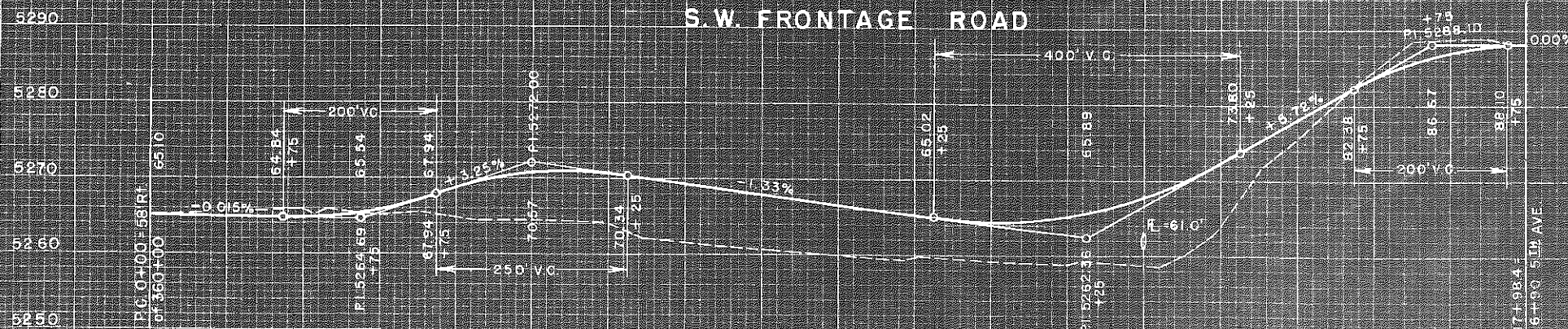
S.E. FRONTAGE ROAD



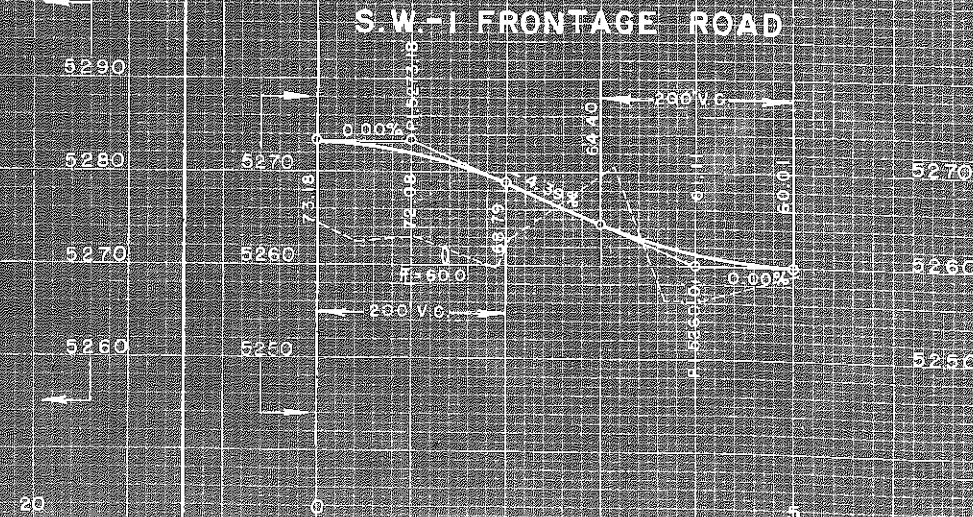
S.W. RAMP



S.W. FRONTAGE ROAD



S.W.-1 FRONTAGE ROAD



NOTE: Alignment and Grades are Subject to Modification During Construction, after Approval by Denver Office.

NOTE: Soil Data Shown on Plans is Obtained from Best Available Testing Laboratory Information. This Information is shown for Convenience of Contractor, and the Department does not guarantee the Accuracy of these Tests. If Materials not Conforming to Data on Plans are Encountered During Construction, the Grading Plan Shown will be Modified when Necessary to Secure Dense Stable Embankments.

283+ ~ 316+ READ:
INTERCHANGE. (See
Details Sheets No.
52-56)

291+44- Remove 1'x1.5' W.B.C. Lt.
Reap: 22'x13'x28' C.M.P. Arch
Side Drain & Road Approach
on to Frontage Road, Lt.

290+75- Reap: 22'x13'x100'
C.M.P. Arch Cross Culvert, Lt.
Metal Aprons, Outlet Ditch.

292+45- Remove 1'x1.5' W.B.C. Lt.
Reap: 22'x13'x28' C.M.P. Arch
Side Drain & Road Approach
on to Frontage Road, Lt.

293+84- Remove 1'x1.5' W.B.C. Lt.
Reap: 22'x13'x52' C.M.P. Arch
Side Drain & 2' Road Ap-
proaches on to Front Rd, Lt.

290+10- Remove
24' C.M.P. Rt.
Reap: 29'x18'x30'
C.M.P. Arch Side Drain
& Road Approach to
Frontage Road, Rt.

283+00: BEG. U 012-2(4)-
283+00 on F.A.P. F67(6)

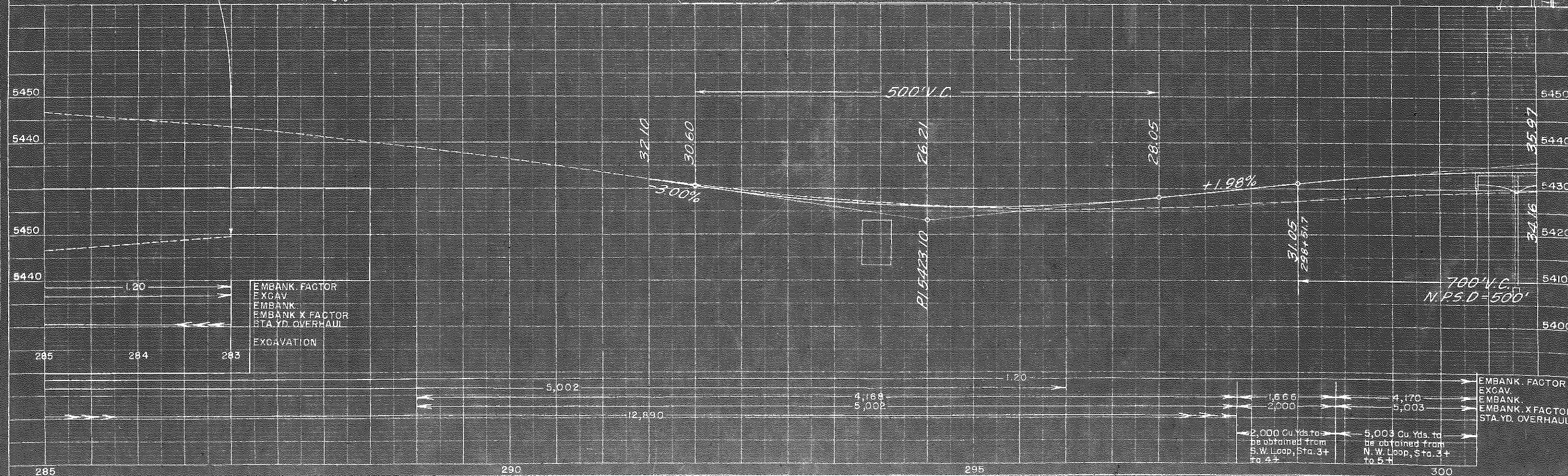
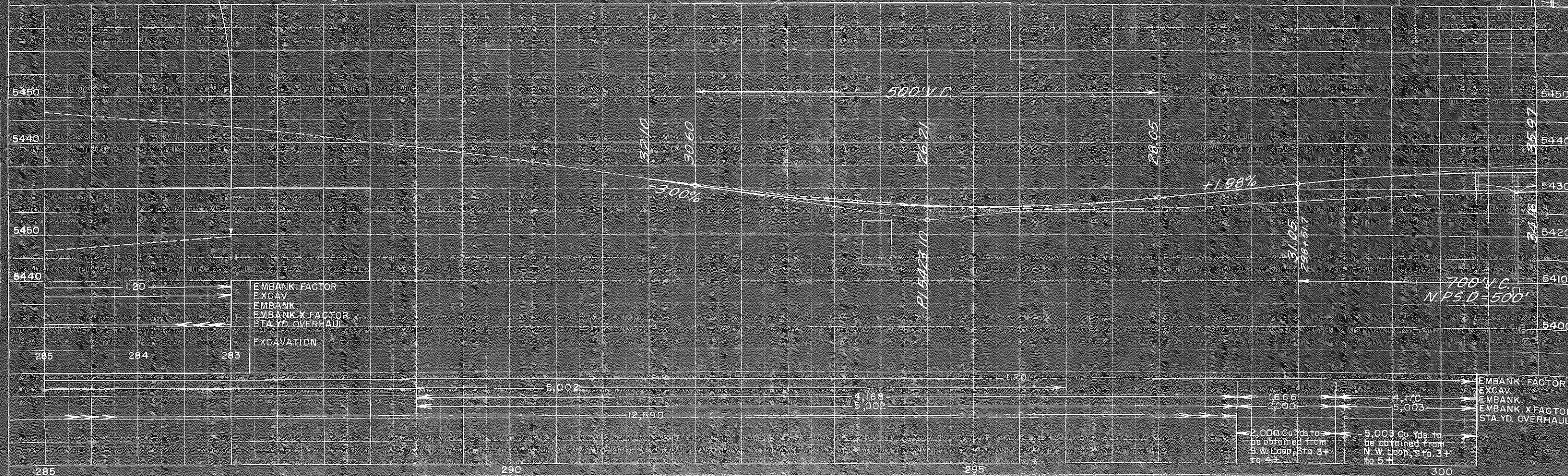
293+94.4- 294+356
Remove Head-
walls, Extend Triple
10'x10' C.B.C. 65 Lt &
24 Rt. (Type OS)

295+ ~ Reap:
Cross Over for
Detour & Remove
Cross Over.

294+65 ~ 309+00:
Remove Concrete
Pavement, Rt.

294+ ~ 306+
Reap: Storm Sewer
System (See Details
Sheets No 57-58)

300+37.3-
302+25.6
Reap: Bridges.
(See Details
Sheets No 13-17)



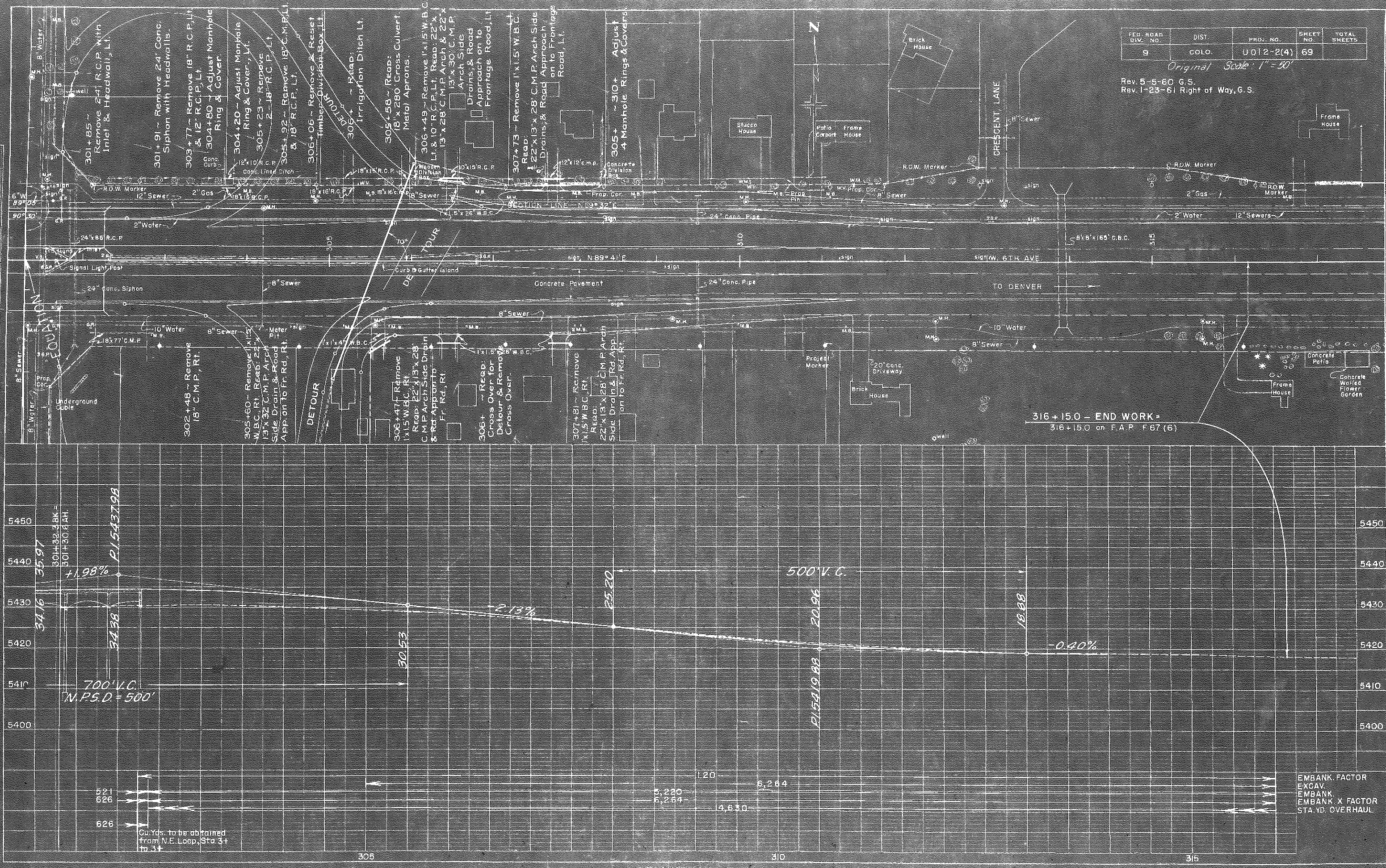
EMBANK. FACTOR
EXCAV.
EMBANK.
EMBANK. X FACTOR
STA. YD. OVERHAUL

2,000 Cu. Yds. to be obtained from S.W. Loop, Sta. 3+ to 4+.

5,003 Cu. Yds. to be obtained from N.W. Loop, Sta. 3+ to 5+.

PLAN
NOTES:
1. SEE SHEET 68 FOR PREVIOUS WORK.
2. SEE SHEET 69 FOR FUTURE WORK.
3. SEE SHEET 70 FOR FUTURE WORK.

PROFILE
NOTES:
1. SEE SHEET 68 FOR PREVIOUS WORK.
2. SEE SHEET 69 FOR FUTURE WORK.
3. SEE SHEET 70 FOR FUTURE WORK.



FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	U012-2(4)	69	

Original Scale: 1" = 50'

Rev. 5-5-60 G.S.
Rev. 1-23-61 Right of Way, G.S.

EMBANK. FACTOR
EXCAV.
EMBANK. X FACTOR
STA. YD. OVERHAUL

PLAN	STARTED	BY	DATE
FOOTING			
FOUNDATIONS			
WALLS			
ROOF			
WINDING			
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