

Overall Length of Project 0.71 Miles

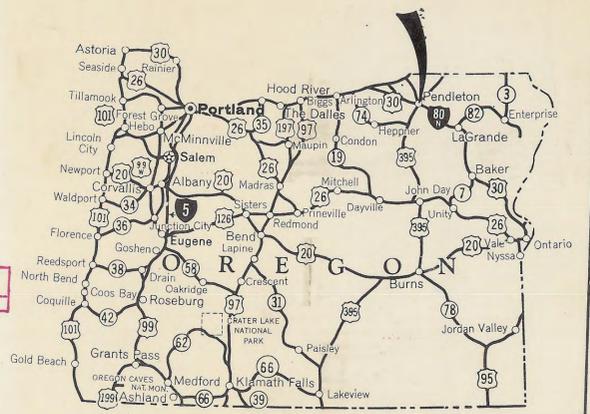
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	Title Sheet
2	Typical Sections
2A, 2B	Misc. Details
2C	Sewer Data Sheet
2D	Summary
3	Plan & Profile
4	Plan & Profile
4A	Plan
4A.5	Sewer Plan & Profile
4B-4C	Profiles

- Drq. Nos.
- 2503- Identification Signs
 - 2050 } Manholes, Misc Items
 - 2050A } Manholes, Misc Items
 - 2070- Rein. Conc. Bridge End Panels
 - 2077- Conc. Curbs
 - 2091- Pipe Installation
 - 2094 } Guard Rail
 - 2094A } Guard Rail
 - 2094B } Guard Rail
 - 2105- Conc. Inlets
 - 2117- Chain Link Fence
 - 2122- Rounding Cutbanks
 - 24611-24632- Br. 9535
 - 23937, 23938, 23772 } Br. Standards
 - 23773, 22970, 22960 } Br. Standards
 - 23836

STATE OF OREGON
 STATE HIGHWAY DEPARTMENT
 "AS CONSTRUCTED" PLANS
 PLANS FOR PROPOSED PROJECT

GRADING, PAVING & STRUCTURE
 10TH ST.-S. PENDLETON INTCHGE. SECTION
 OREGON-WASHINGTON HIGHWAY
 UMATILLA COUNTY
 MAY, 1969

10TH ST.-S. PENDLETON INTCHGE. SECTION OREGON-WASHINGTON HIGHWAY UMATILLA COUNTY				SHEET No. 1
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
8	OREGON	F-U-170(20)		See Index

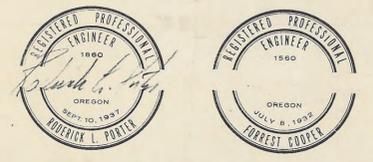
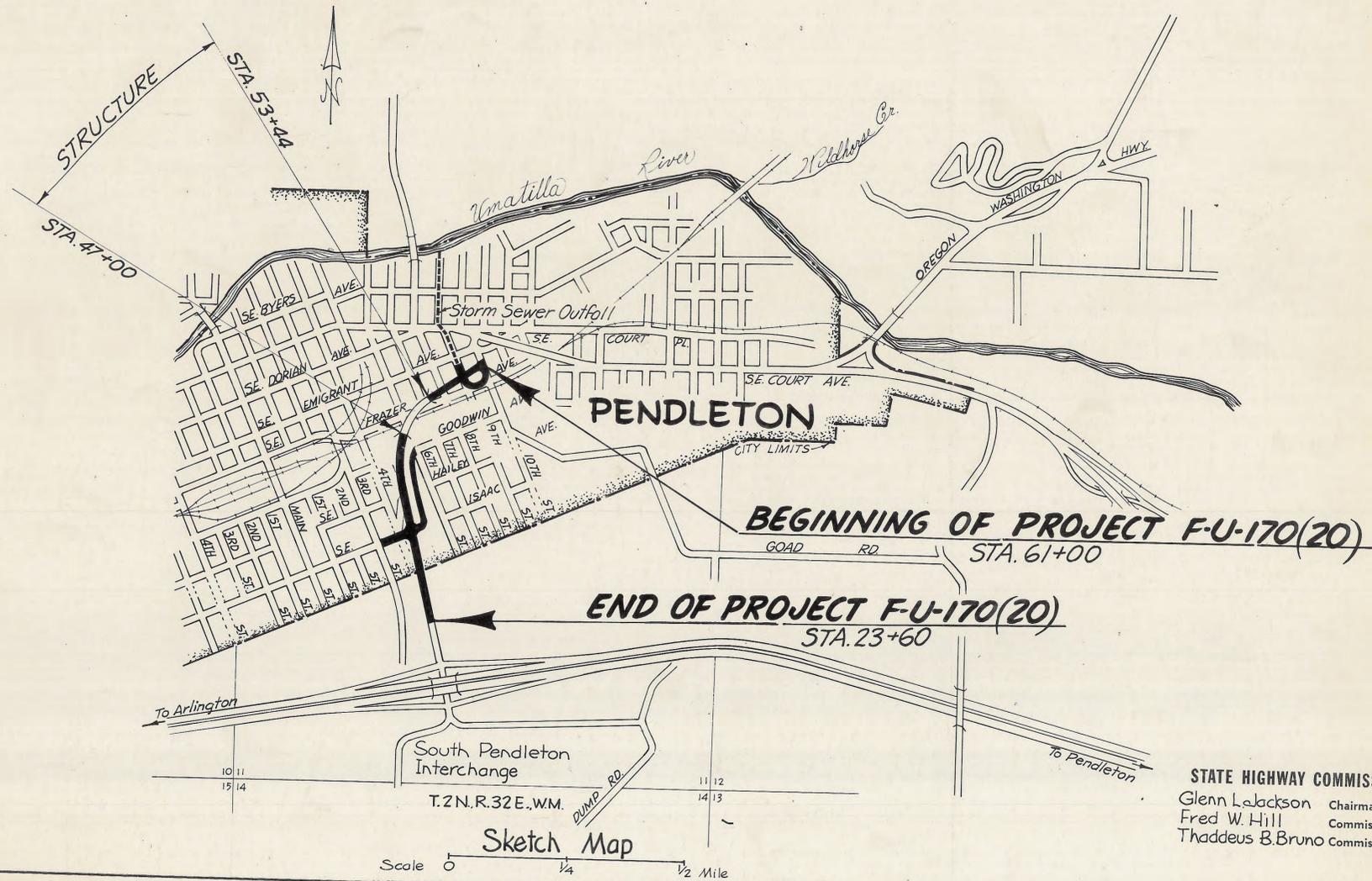


AS CONSTRUCTED
 W. J. [Signature]
 RESIDENT ENGINEER
 2-24-71

NOTED
 F. E. TERPIN

NOTED
 FLOYD C. SCOTT

9F 19-2
 SH1



STATE HIGHWAY ENGINEER
 [Signature]
 DEPUTY STATE HIGHWAY ENGINEER

STATE HIGHWAY COMMISSION
 Glenn L. Jackson Chairman
 Fred W. Hill Commissioner
 Thaddeus B. Bruno Commissioner

DEPARTMENT OF TRANSPORTATION
 BUREAU OF PUBLIC ROADS
 APPROVED:
 DISTRICT ENGINEER DATE

Scale 0 1/4 1/2 Mile

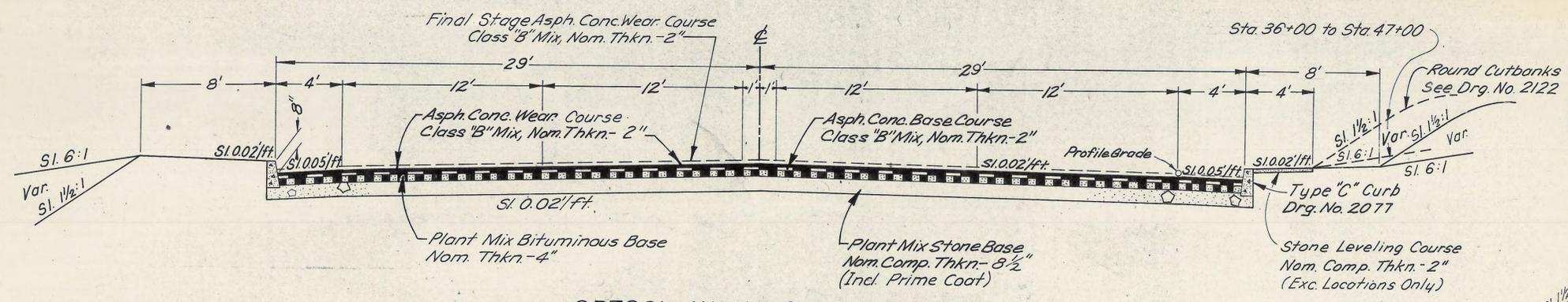
No. 11

TYPICAL SECTIONS

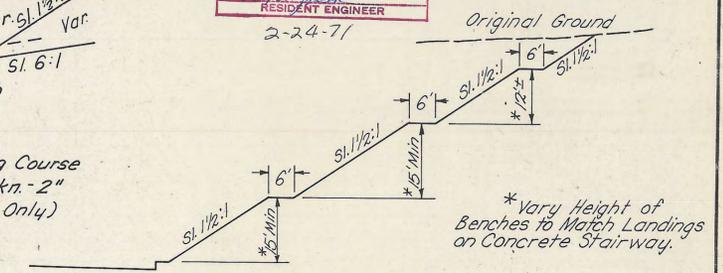
10 TH ST-S. PENDLETON INTCHGE. SEC.					SHEET No. 2
OREGON-WASHINGTON HIGHWAY					
UMATILLA COUNTY					
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS	
8	OREGON	F-U-170(20)		See Index	

Revised 5-16-69 Typical Section Frazer Ave. & 10th. St. Profile Grade Location

AS CONSTRUCTED
RESIDENT ENGINEER
2-24-71

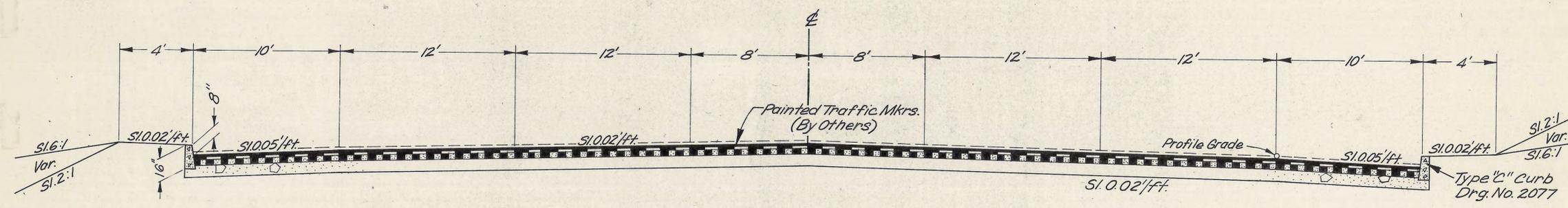


OREGON-WASHINGTON HIGHWAY
STA. 23+60 to STA. 53+44
53+44 to 57+50 (Taper Section)

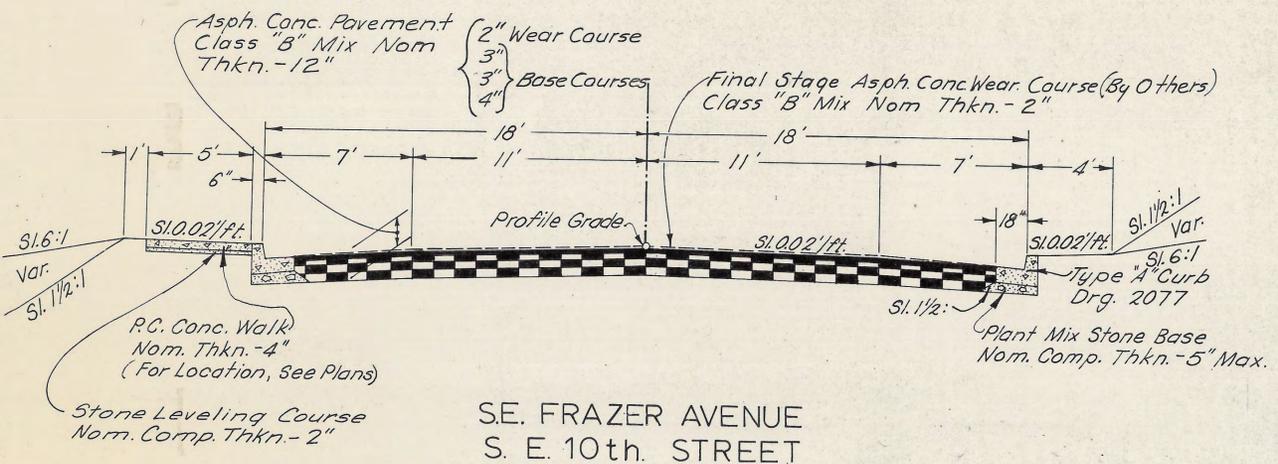
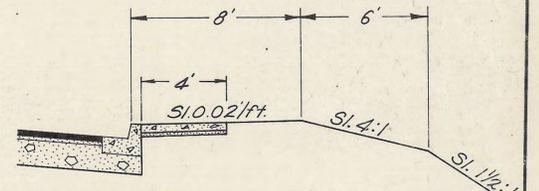


BENCH SECTION
STA. 33+00 to STA. 36+50

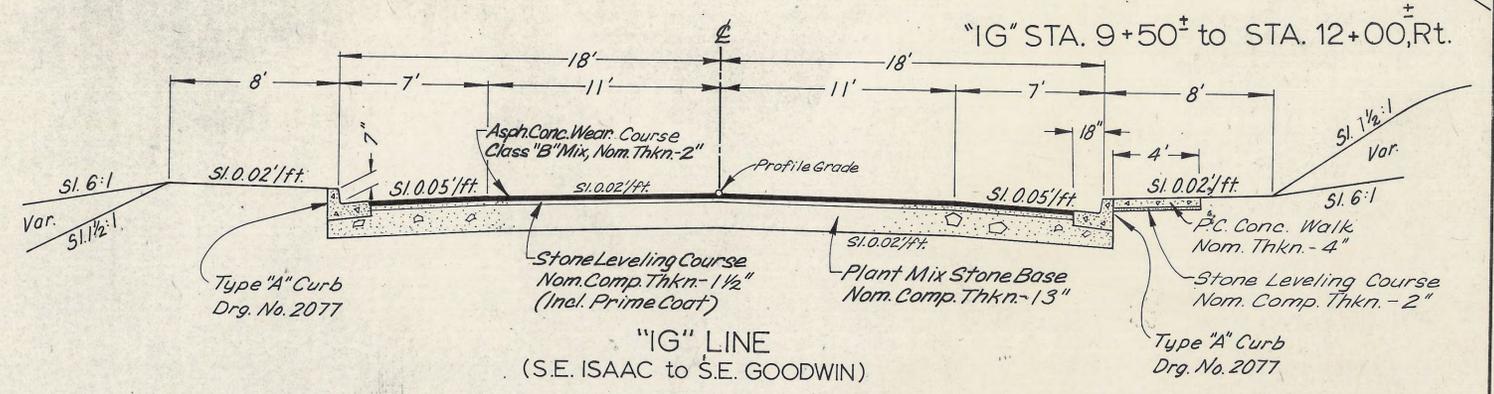
9F 19-2
SH2



(For Surfacing Details Not Shown, See Section Above)
OREGON-WASHINGTON HIGHWAY
STA. 57+50 to STA. 60+50



S.E. FRAZER AVENUE
S. E. 10th. STREET

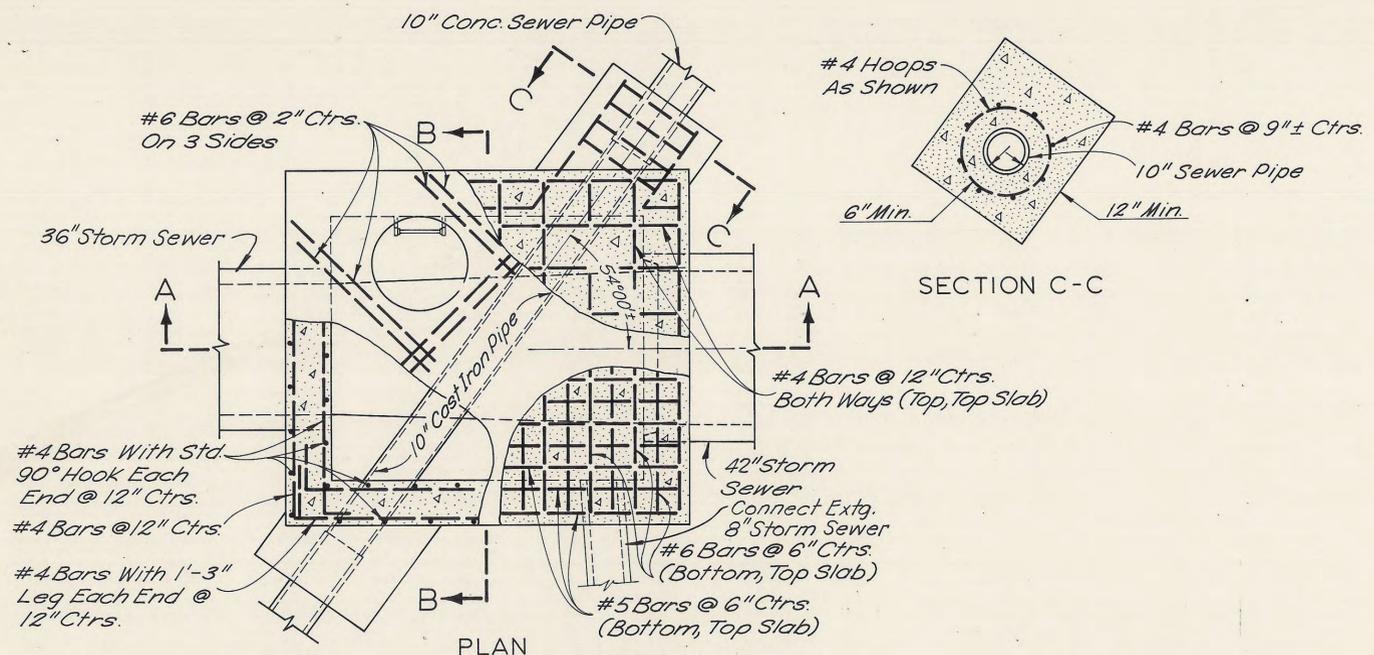


"IG" LINE
(S.E. ISAAC to S.E. GOODWIN)

10 TH ST.-S. PENDLETON INTCHGE. SEC.				SHEET No.
OREGON-WASHINGTON HIGHWAY				2A
UMATILLA COUNTY				
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
8	OREGON	F-U-170(20)		See Index

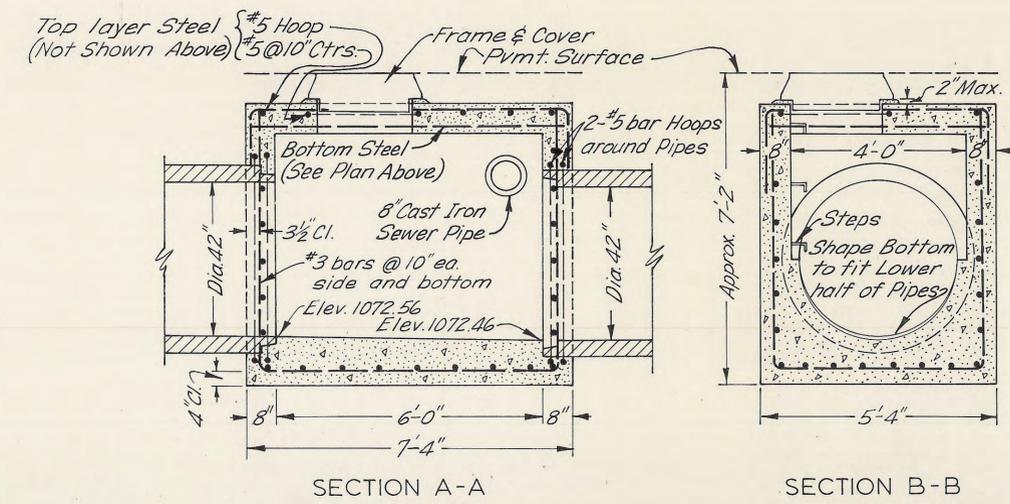
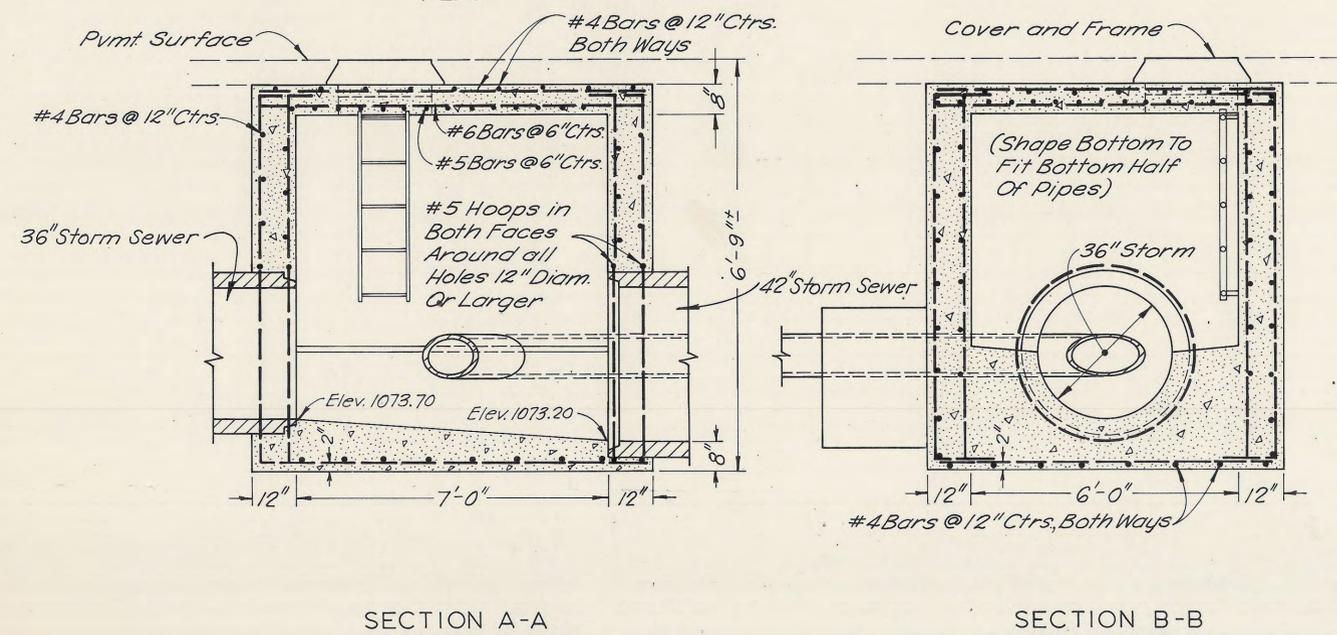
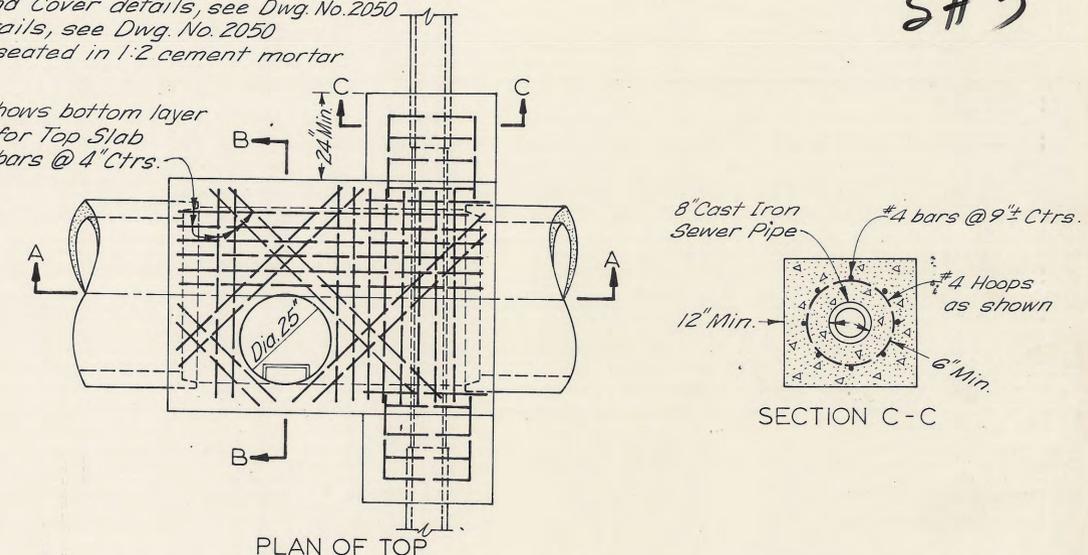
AS CONSTRUCTED
RESIDENT ENGINEER
2-24-71

9F192
SH3



General Notes:
1-All reinforcing steel shall be placed 2" clear of nearest face of concrete unless shown or noted otherwise.
2-All splices to be 20 bar diameters.
3-For Frame and Cover details, see Dwg. No. 2050
4-For Step details, see Dwg. No. 2050
5-Frame to be seated in 1:2 cement mortar

Plan Shows bottom layer Steel for Top Slab all #6 bars @ 4" Ctrs.



MANHOLE STA. "SS" 15+38
15+53
11+67

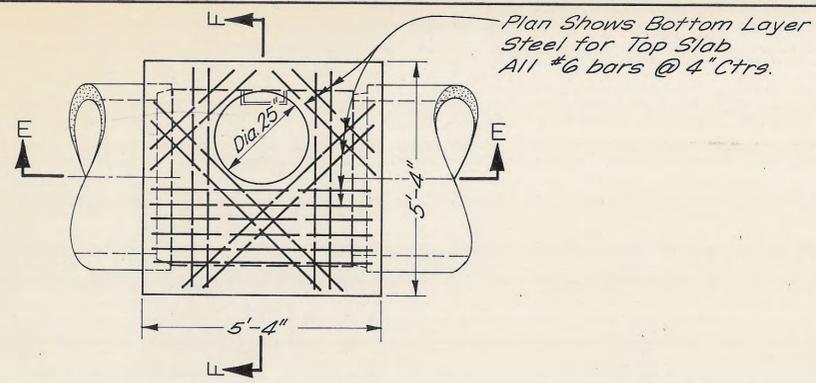
MANHOLE STA. "SS" 19+58
19+71
17+45

10 TH ST.-S. PENDLETON INTCHGE. SEC.				SHEET No.
OREGON-WASHINGTON HIGHWAY.				2B
UMATILLA COUNTY				
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
8	OREGON	F-U-170(20)		See Index

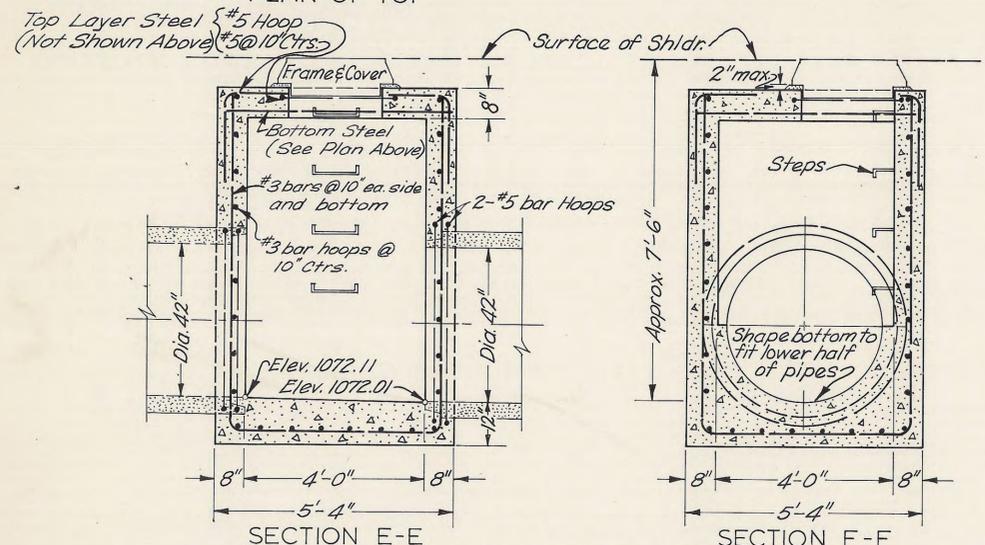
Rev. 5-16-69 Added Pressure Type Manhole Cover & Frame.

AS CONSTRUCTED
RESIDENT ENGINEER
2-24-71

9F 19-2
SH4



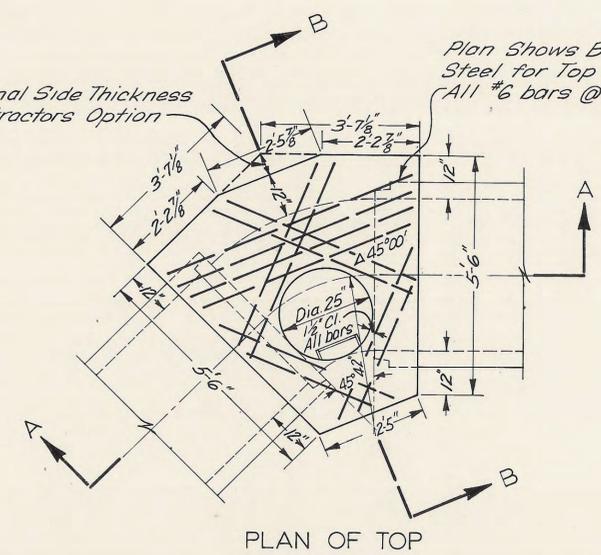
PLAN OF TOP



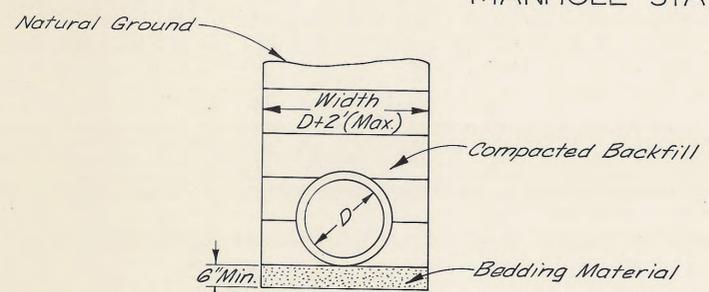
SECTION E-E SECTION F-F

MANHOLE STA. "SS" 22+67

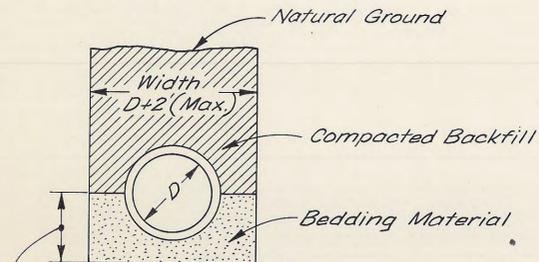
- General Notes:
- 1-All reinforcing steel shall be placed 2" clear of nearest face of concrete unless shown or noted otherwise.
 - 2-All splices to be 20 bar diameters.
 - 3-For Frame and Cover details, see Dwg. No. 2050.
 - 4-For Step details, see Dwg. No. 2050.
 - 5-Frame to be seated in 1:2 cement mortar.



PLAN OF TOP

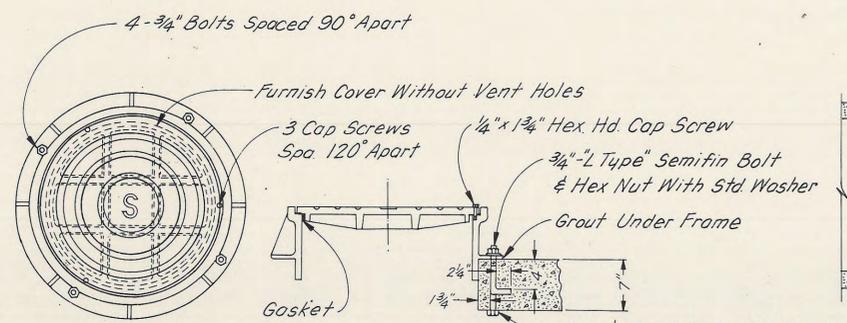


STA. "S" 0+34 to STA. "S" 3+08
"S" 4+59 to "S" 7+61



STA. "S" 3+08 to STA. "S" 4+59

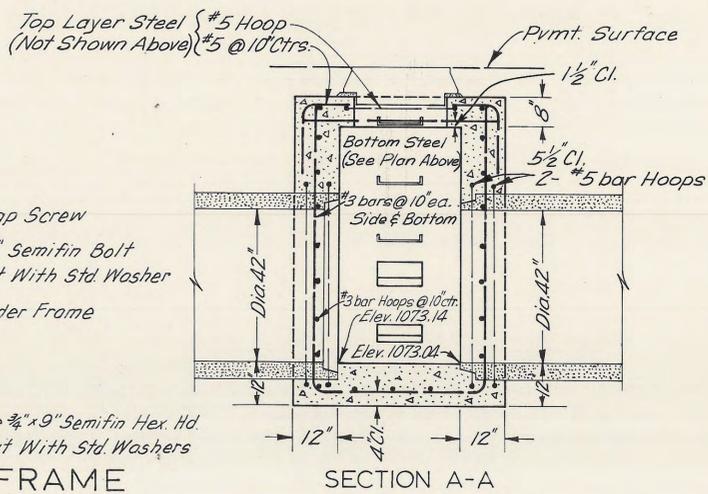
SPECIAL BEDDING DETAILS



PRESSURE TYPE MANHOLE COVER AND FRAME

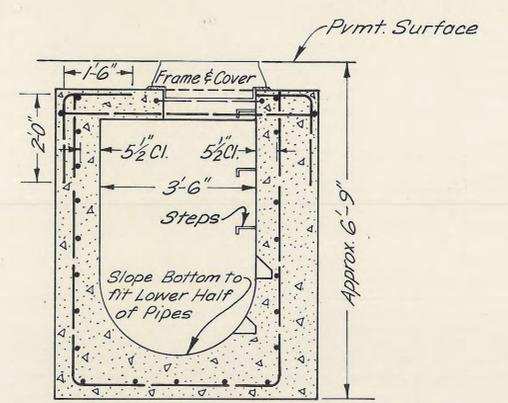
(For Details Not Shown See Dwg. No. 2050)

STA. 15+38	17+45	11+67
15+80	15+53	
19+58	14+80	
22+67	12+53	
19+71	11+87	



SECTION A-A

MANHOLE STA. "SS" 15+80



SECTION B-B

PIPE

SEWER DATA SHEET

10 TH ST-S. PENDLETON INTCHGE. SEC.				SHEET No.
OREGON-WASHINGTON HIGHWAY				2C
UMATILLA COUNTY				
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
8	OREGON	F-U-170(20)		See Index

GENERAL NOTE:
I. A check (✓) indicates column heading applies.

STATION to STATION	DESIGN HEIGHT OF COVER FEET	PIPE								ALTERNATE MATERIALS								SPECIALS		REMARKS						
		CIRCULAR								CONCRETE		CORRUGATED METAL						SANITARY SEWER	STORM SEWER		DETAILS ON SHEET NO.					
		SIZE IN INCHES								PLAIN	REINF.	PROTECTION														
		8	12	15	18	21	30	36	24	42	STANDARD STRENGTH	EXTRA STRENGTH	CLASS	AS NOTED	ALUMINUM GAGE	GALV. STEEL	ANNULAR CORR.	HELICAL CORR.	UNCOATED		ASPH. COATED	PAVED INVERT	FULLY LINED	ASB. PROTECTED		
23+60 to 28+00	6			440							✓															
28+00	3	54									✓															
32+00	3	54									✓															
28+00 to 32+00	6			400							✓															
32+00 to 36+00	6			400							✓															
36+00	3	54									✓															
36+00 to 41+00	6			500							✓															
"IG" 9+55	3	60									✓															
"IG" 16+80	5	175									✓															
41+00	3	54									✓															
41+00 to 43+50	6			250							✓															
43+50 to 46+90	6			300							✓															
46+00 to 46+50	8			50							✓															
53+70 to 57+65	8				396						✓															
"SS" 8+80 to "SS" 9+60	3	284									✓	V														
58+10 to 60+60	4			250							✓															
60+60	3	100									✓															
"SS" 9+40 to "SS" 10+00	8			60							✓															
"SS" 10+00	3	68									✓	V														
"SS" 10+00 to "SS" 12+07	4					204					✓															
"SS" 12+07 to "SS" 14+80	4					270					✓															
"SS" 14+80 to "SS" 15+38	3					60					✓															
"SS" 15+38 to "SS" 19+67	3							430			✓															
"SS" 19+66 to "SS" 22+67	3							300			✓															
"SS" 22+67 to "SS" 23+40	8							74			✓															
53+70	3	28									✓															
"IG" 14+20	3	250									✓															
"S" 0+34 to "S" 0+97	6				58						✓															
"S" 0+97 to "S" 1+59	8				58						✓															
"S" 1+59 to "S" 3+08	13				144						✓	V														
"S" 3+08 to "S" 4+59	18				146						✓	V														
"S" 3+50	18					12					✓	V														
"S" 4+59 to "S" 4+69	15			6							✓	V														
"S" 4+69 to "S" 6+12	13			138							✓	V														
"S" 6+12 to "S" 7+00	8	84									✓															
"S" 7+00 to "S" 7+61	9	56									✓															
61+00	3	8									✓															
"SS" 15+65	3	20									✓															
CULVERT PIPE																										
31+40	36					230					✓	IV		10	✓	✓	✓	✓								Vert. Ends; Skew No. 90
"IG" 11+00	31					250					✓	IV		10	✓	✓	✓	✓								" " " " "
24+70	35					190					✓	IV		10	✓	✓	✓	✓								" " " " "

APPURTENANCES

PF 19-2
SL 5

STATION	DEPTH IN FEET, TOP OF COVER TO INVERT	DIAMETER IN INCHES, LARGEST PIPE IN BASE	MANHOLE				INLETS		SPECIALS		DETAILS ON SHEET NO.	REMARKS
			CONC.	CAST-IN-PLACE	DROP MANHOLE	WITH GRATE	SPECIAL	GB-2	CG-2			
			PRECAST					NUMBER REQUIRED				
28+00												
32+00												
36+00												
"IG" 9+55												
"IG" 16+80							1					
41+00							2					
43+50							1					
46+50	5	18	✓	✓								
53+70	5	21	✓	✓			1					
57+50 Rt.							1					
57+60 Lt.							1					
57+65	4.5	21	✓									
58+05 Rt.							3					
58+05 Lt.	5.5	36	✓									
58+40 Lt.							1					
60+60		15	✓	✓			1					
"SS" 11+93	5.5	36	✓									
"SS" 14+80	5.5	36	✓									
"SS" 15+38	6	42			✓						2A	W/Pressure Type Frame & Cover
"SS" 15+80	5.5	42			✓						2B	" " " " "
"SS" 19+58	6.5	42			✓						2A	" " " " "
"SS" 22+67	7.5	42			✓						2B	" " " " "
46+00	.5	18	✓	✓	✓							
"IG" 14+20							1					
"S" 0+34	3.3	21	✓	✓								
"S" 0+97	5.5	21	✓	✓								
"S" 1+59	5.7	21	✓	✓								
"S" 3+08	11.7	21	✓	✓								
"S" 4+59	20	21	✓	✓								
"S" 4+69	16.5	15	✓	✓								
"S" 6+12	9.7	15	✓	✓								
"S" 7+00	6.0	12	✓	✓								
61+00							1					
"SS" 15+65							1					

S U M M A R Y

ITEM	UNIT	NET QUANT.	ALLOW.	TOTAL	
Temporary Protection & Direction of Traffic	All	All		All	
Clearing & Grubbing	All	All		All	
General Excavation, Unclassified	Cu. Yd.	141,795	14,205	156,000	
Finishing Roadbed and Slopes	All	All		All	
Trench Excavation	Cu. Yd.	4,270	430	4,700	
Bedding Materials	" "	70	10	80	
Watering	M. Gal.	3,555	345	3,900	
Pavement Replacement	Lin. Ft.	1,264	126	1,390	
3/4"-0 Material in Base	Cu. Yd.	395	35	430	
Plant-Mix Stone Base	Tons	14,584	1,416	16,000	
Bituminous Base Mixture	"	4,898	502	5,400	
Asphalt in Bituminous Base Mixture	"	220	20	240	
3/4"-0 Aggregate in Prime Coat	Cu. Yd.	200	20	220	
MC-250 Asphalt in Prime Coat	Ton	37	3	40	
Asphalt in Tack Coat	"	3		3	
Class "B" Asphalt Concrete Mixture	"	7,068	702	7,770	
Asphalt Cement in Mixture	"	389	41	430	
12-inch Reinforced Concrete Bridge End Panels	Sq. Yd.	258	22	280	
Class "A" Concrete in Stairways	Cu. Yd.	25	2	27	
Pipe Handrail	Lin. Ft.	135	15	150	
24-inch Culvert Pipe	" "	670	60	730	
8-inch Sewer Pipe	" "	734	66	800	
12-inch Sewer Pipe	" "	615	65	680	
15-inch Sewer Pipe	" "	1,234	116	1,350	
18-inch Sewer Pipe	" "	1,500	150	1,650	
21-inch Sewer Pipe	" "	862	88	950	
30-inch Sewer Pipe	" "	12	3	15	
36-inch Sewer Pipe	" "	474	46	520	
42-inch Sewer Pipe	" "	804	76	880	
Concrete Manholes, 6 feet or less deep	One.	11	1	12	
Concrete Manholes, 6 feet to 12 feet deep	"	2		2	
Concrete Manholes, over 12 feet deep	"	2		2	
Special Manhole, Sta. "55" 15+38	"	1		1	
Special Manhole, Sta. "55" 15+80	"	1		1	
Special Manhole, Sta. "55" 19+58	"	1		1	
Special Manhole, Sta. "55" 22+67	"	1		1	
Concrete Inlets, Type "GB-2"	"	13	1	14	
Concrete Inlets, Type "CG-2"	"	10	1	11	
Adjusting Manholes	"	1		1	
Concrete Curbs	Cu. Yd.	354	16	370	
Concrete Walks	Sq. Yd.	962	38	1,000	604 "IG" Line Non Participation ▲
Guard Rail, Type 1	Lin. Ft.	650	50	700	
Guard Rail, Type 2A	" "	2,725	275	3,000	
Guard Rail Terminal Anchors	One	4		4	
Extra for Guard Rail Bridge Connection	"	4		4	
4' Chain Link Fence	Lin. Ft.	210	20	230	
Roadside Seeding	Acre	7.3	2.7	10.0	
Roadside Mulching	"	7.3	2.7	10.0	
Gross Seed Mixture	Lb	120	30	150	
Inorganic Fertilizer (22-16-8)	Cwt.	30	10	40	
Structure					
Shoring, Cribbing, Etc.	All	100%		100%	
Structural Excavation	Cu. Yd.	2,375	225	2,600	
Structural Excavation Below Elev. Shown	" "		225	225	
Furnish 10 BP 42 Steel Piling	Lin. Ft.	420		420	
Drive Steel Piling	One	14		14	
Splice Steel Piling	"	4		4	
Class "A" Concrete	All	100%		100%	
Class "AA" Concrete	All	100%		100%	
Reinforcement	All	100%		100%	
Structural Steel	All	100%		100%	
Metal Parapet Railing	Lin. Ft.	1,348		1,348	
8-inch Standard Steel Pipe	" "	605		605	
10-inch " " " "	" "	25		25	
18-inch " " " "	" "	720		720	
8-inch Steel Drain Pipe, Perforated	" "	170		170	
1/4-inch Electrical Conduit	" "	1,430		1,430	
Preparation of Slopes	Sq. Yd.	250		250	
3-inch Slope Paving	" "	180		180	
Berm Paving	" "	70		70	
Rock Blanket	Cu. Yd.	200	20	220	
Retaining Walls					
Structural Excavation	Cu. Yd.	125	15	140	
Structural Excavation Below Elev. Shown	" "		15	15	
Class "A" Concrete in Retaining Walls	" "	80		80	
Reinforcement in Retaining Walls	Lbs.	8,100		8,100	
Metal Parapet Rail on Retaining Wall	Lin. Ft.	52		52	

Roadwork

Structure

Retaining Walls

10TH ST-S. PENDLETON INTERCHG. SEC.

OREGON - WASHINGTON HIGHWAY
UMATILLA COUNTY

FED. ROAD DIV. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS	SHEET No.
8	OREGON	F-U-170(20)		20	2D

Revised 5-16-69

9F 19-2
SH6

10 TH ST-S. PENDLETON INTCHGE. SEC					SHEET No. 4
OREGON-WASHINGTON HIGHWAY					TOTAL SHEETS See Index
UMATILLA COUNTY					
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR		
8	OREGON	F-U-170(20)			

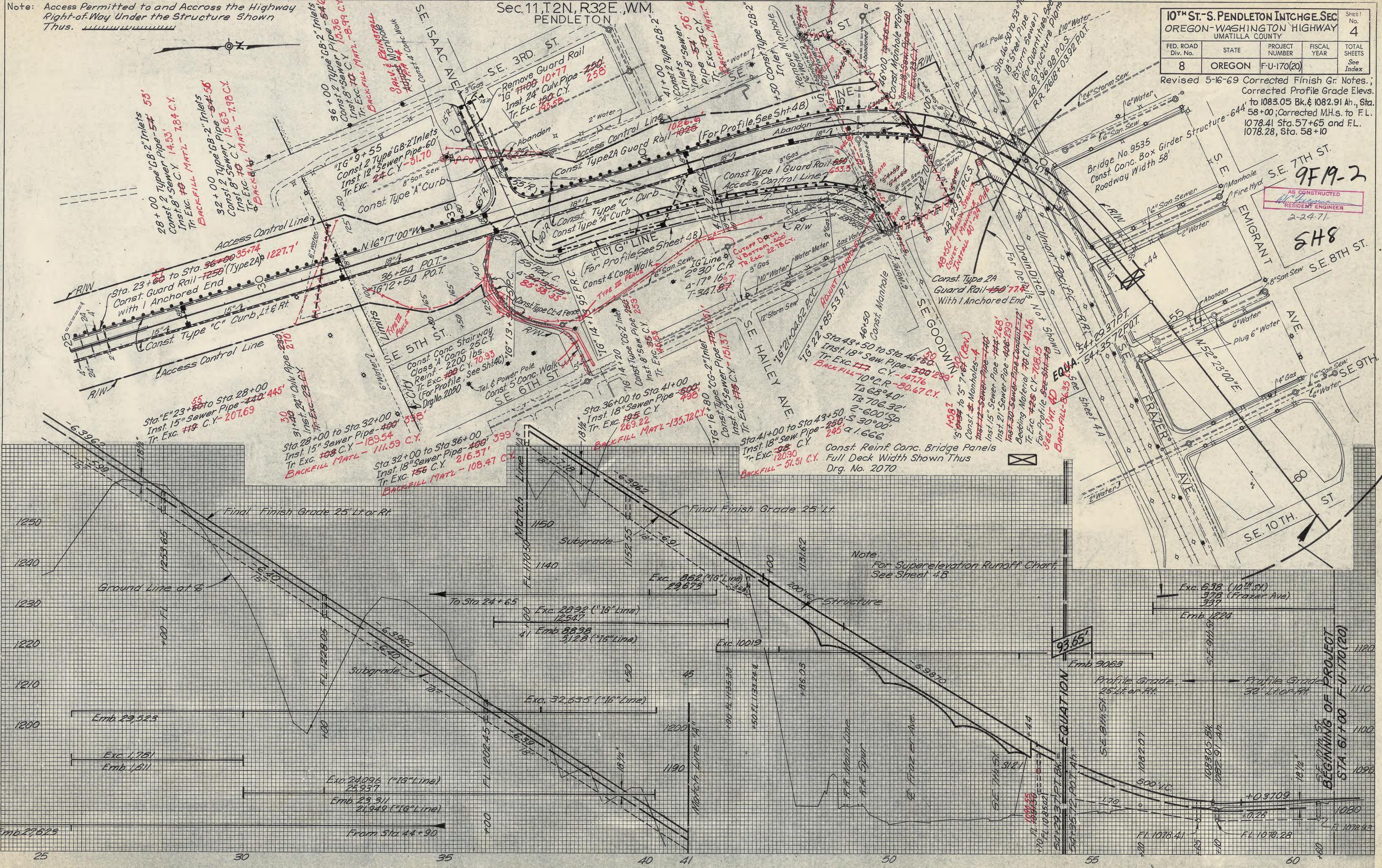
Revised 5-16-69 Corrected Finish Gr. Notes; Corrected Profile Grade Elev. to 1083.05 Bk. & 1082.91 Ah., Sta. 58+00; Corrected M.H.s. to F.L. 1078.41 Sta. 57+65 and F.L. 1078.28, Sta. 58+10

Note: Access Permitted to and Across the Highway Right-of-Way Under the Structure Shown Thus.

DATE	
BY	
FINAL SURVEY	
TEMPL.	
NO. BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
TEMPL.	
NO. BOOK	
AREAS CHECKED	

BRIDGE DETAILS CHECKED 4-7-69



AS CONSTRUCTED
RESIDENT ENGINEER
2-24-71

548

BEGINNING OF PROJECT
STA. 61+00 F-U-170(20)

10 TH ST-S. PENDLETON INTCHGE. SEC.					SHEET No.
OREGON-WASHINGTON HIGHWAY					4A
UMATILLA COUNTY					
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS	See Index
8	OREGON	F-U-170(20)			

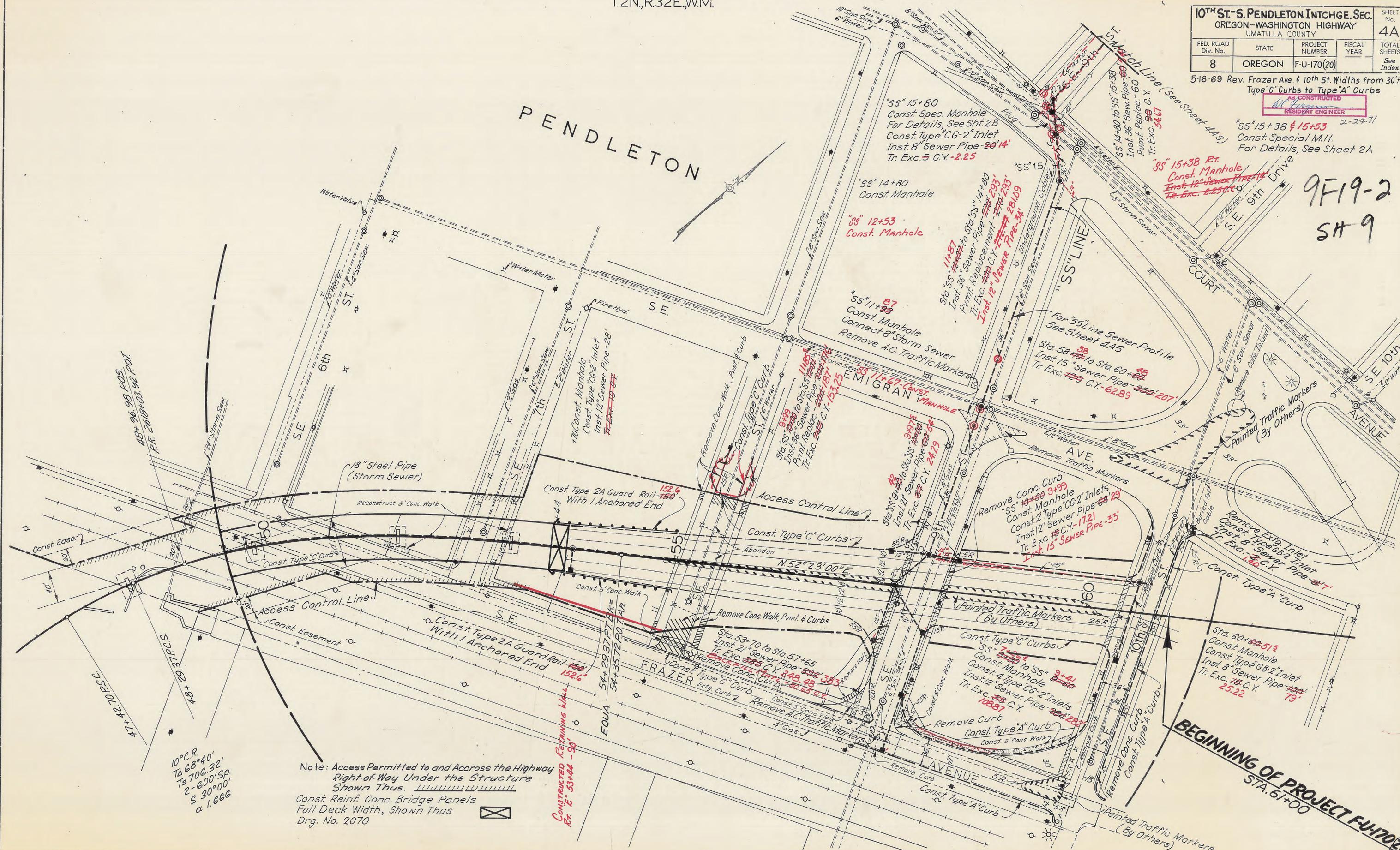
5-16-69 Rev. Frazer Ave. & 10th St. Widths from 30' to 36'
Type "C" Curbs to Type "A" Curbs

RESIDENT ENGINEER

"55" 15+38 & 15+53 2-24-71
Const. Special M.H.
For Details, See Sheet 2A

9F19-2
SH 9

PENDLETON



BRIDGE DETAILS CHECKED: L.W. 4-7-69

AB+26.98 P.O.S.
R.R. 2613+03.92 P.O.I.

10° C.R.
T₁ 68°40'
T₂ 706.32'
S 30°00'
α 1.666

Note: Access Permitted to and Access the Highway
Right-of-Way Under the Structure
Shown Thus. 
Const. Reinf. Conc. Bridge Panels
Full Deck Width, Shown Thus
Drg. No. 2070

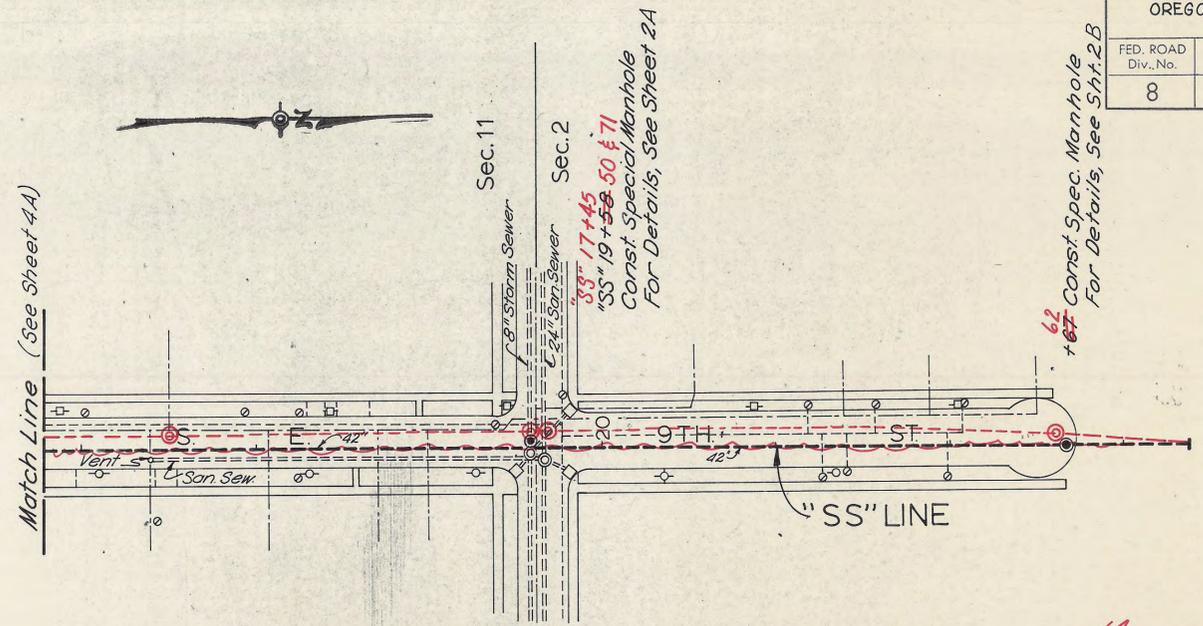
CONSTRUCTED RETAINING WALL
EX. 6' 53'44" - 90'

BEGINNING OF PROJECT F-U-170(20)
STA. 61+00

T.2N, R.32E., W.M.

10 TH ST-S. PENDLETON INTCHGE. SEC.				SHEET No. 4AS
OREGON-WASHINGTON HIGHWAY UMATILLA COUNTY				
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
8	OREGON	F-U-170(20)		See Index

AS CONSTRUCTED
RESIDENT ENGINEER
2-24-71



"SS" 15+38 to "SS" 19+67
Inst. 42" Sewer Pipe - 430' 411'
Pvmt. Replacement - 430'
Tr. Exc. 632 C.Y.
577.31

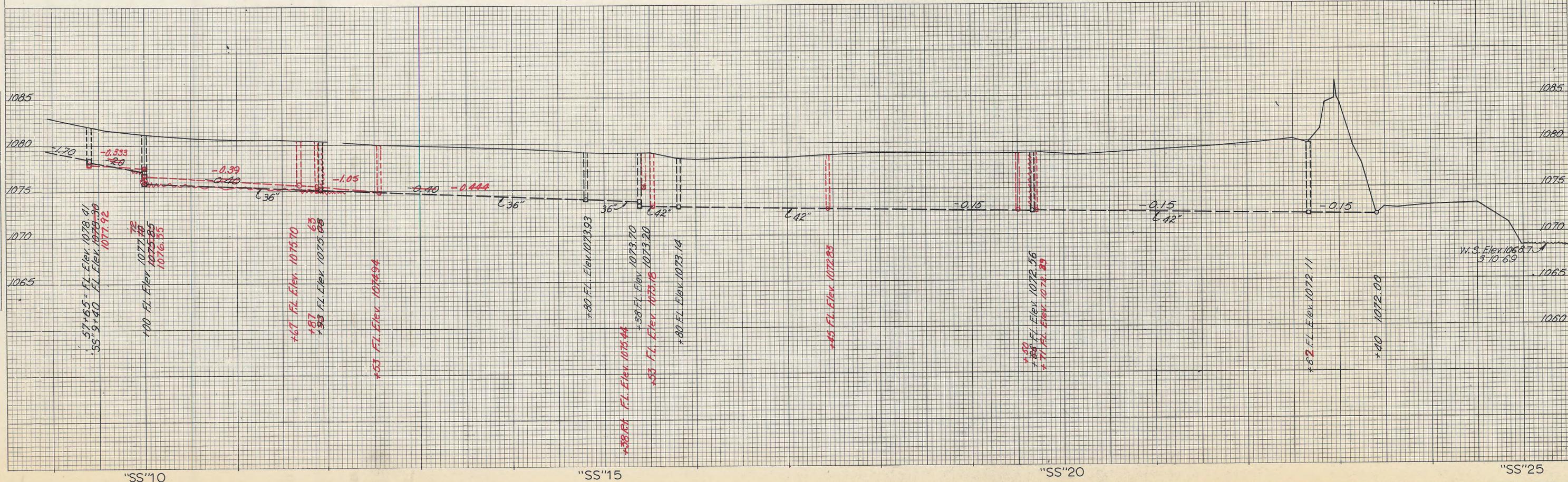
"SS" 19+67 to "SS" 22+67
Inst. 42" Sewer Pipe - 300' 288'
Pvmt. Replacement - 300'
Tr. Exc. 470 C.Y. - 439.11

"SS" 22+67 to "SS" 23+40
Inst. 42" Sewer Pipe - 74' 76'
Tr. Exc. 103 C.Y. - 133.61

9F19-2
SH10

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

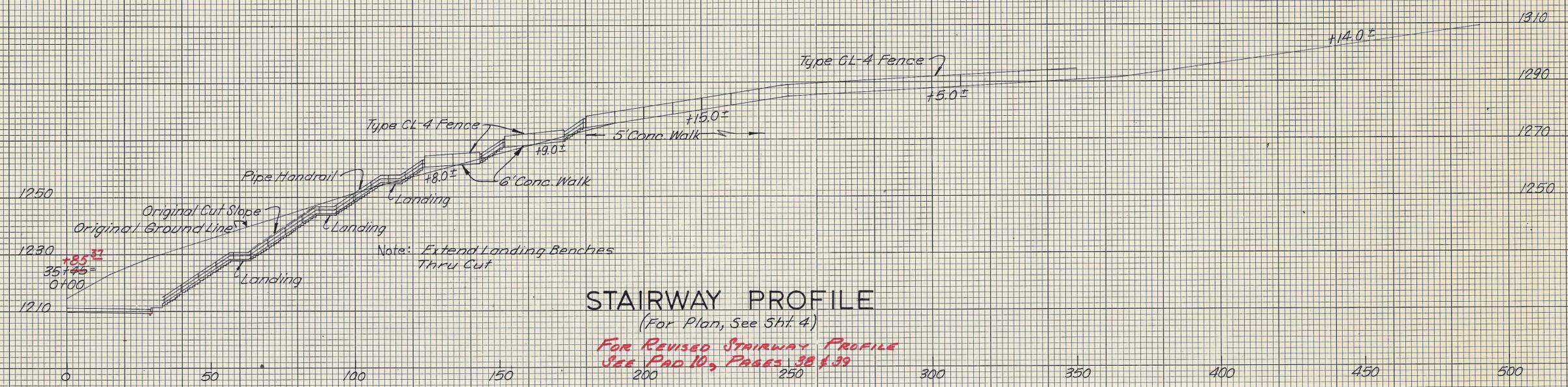
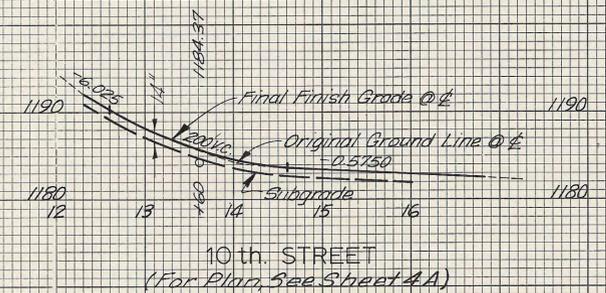
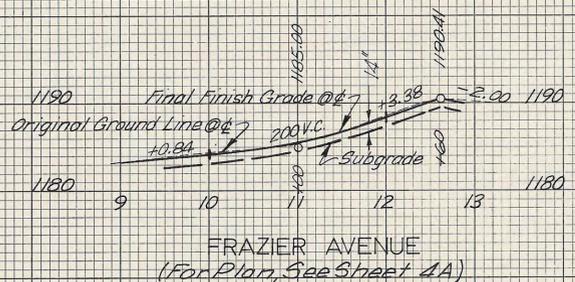
DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



10 TH ST.-S. PENDLETON INTCHGE. SEC.				SHEET No.
OREGON-WASHINGTON HIGHWAY				4C
UMATILLA COUNTY				
FED. ROAD Div. No.	STATE	PROJECT NUMBER	FISCAL YEAR	TOTAL SHEETS
8	OREGON	F-U-170(20)		See Index

Revised 5-16-69 Added Surfacing Thkn. to Frazier Ave. & 10th. Street Profiles; Added Original Ground Note and $\frac{1}{2}$ " to Grades on Stairway Profile
 AS CONSTRUCTED
 RESIDENT ENGINEER
 2-24-77

GF 19-2
 SH 17



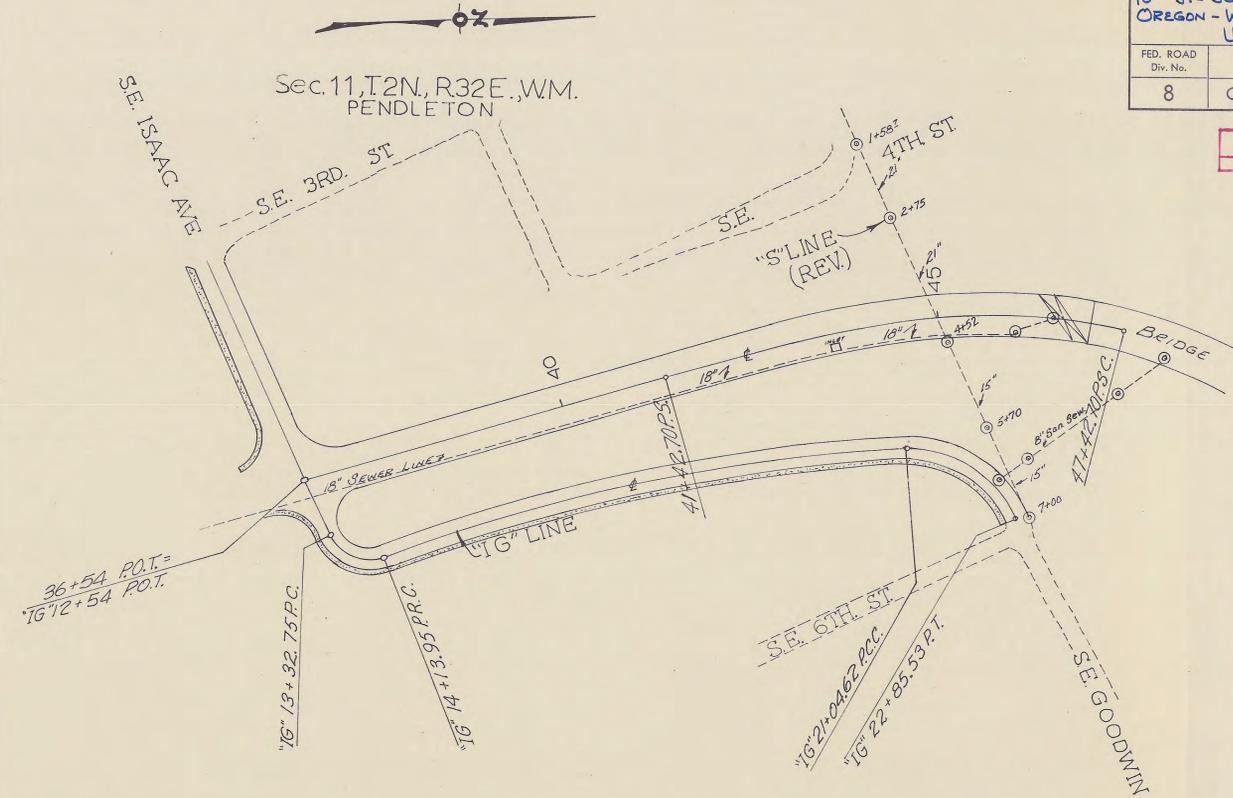
FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
TEMPLATE	BY
NOTE BOOK	
AREAS CHECKED	
NO.	

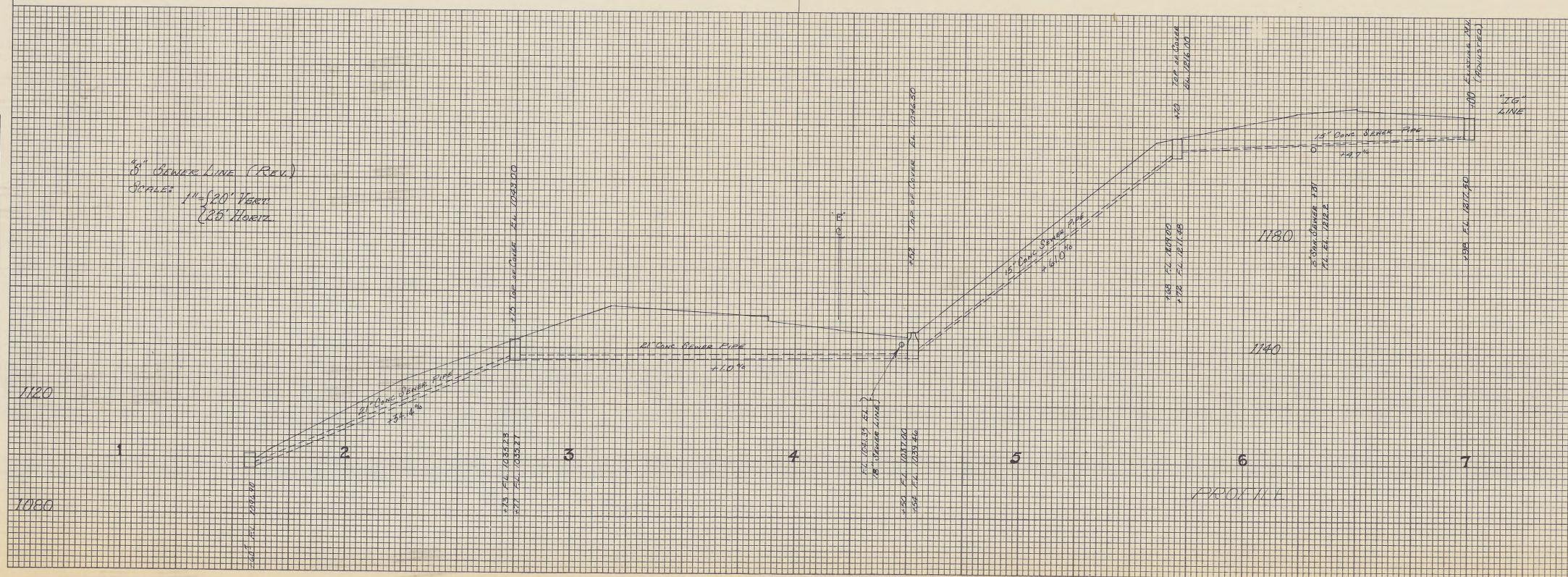
10 TH ST. - SO. PENDLETON INTER. SEC. OREGON - WASHINGTON HWY UMATILLA COUNTY				SHEET No. 40
FED. ROAD Div. No. 8	STATE OREGON	PROJECT NUMBER F.U-170(20)	FISCAL YEAR	TOTAL SHEETS See Index

AS CONSTRUCTED
RESIDENT ENGINEER
2-24-71

9F 19-2
SH 13



"8" LINE (REV.)
PLAN
SCALE: 1"=100'



OREGON STATE HIGHWAY DEPARTMENT
10TH ST. - SO. PENDLETON INTER. SECT.
OREGON - WASHINGTON HIGHWAY
PLAN & PROFILE - "S" LINE (REV.)
AS CONSTRUCTED PLANS
W.C. FERGUSON RES. ENGINEER.
FEB., 1970

Box "D"

50525