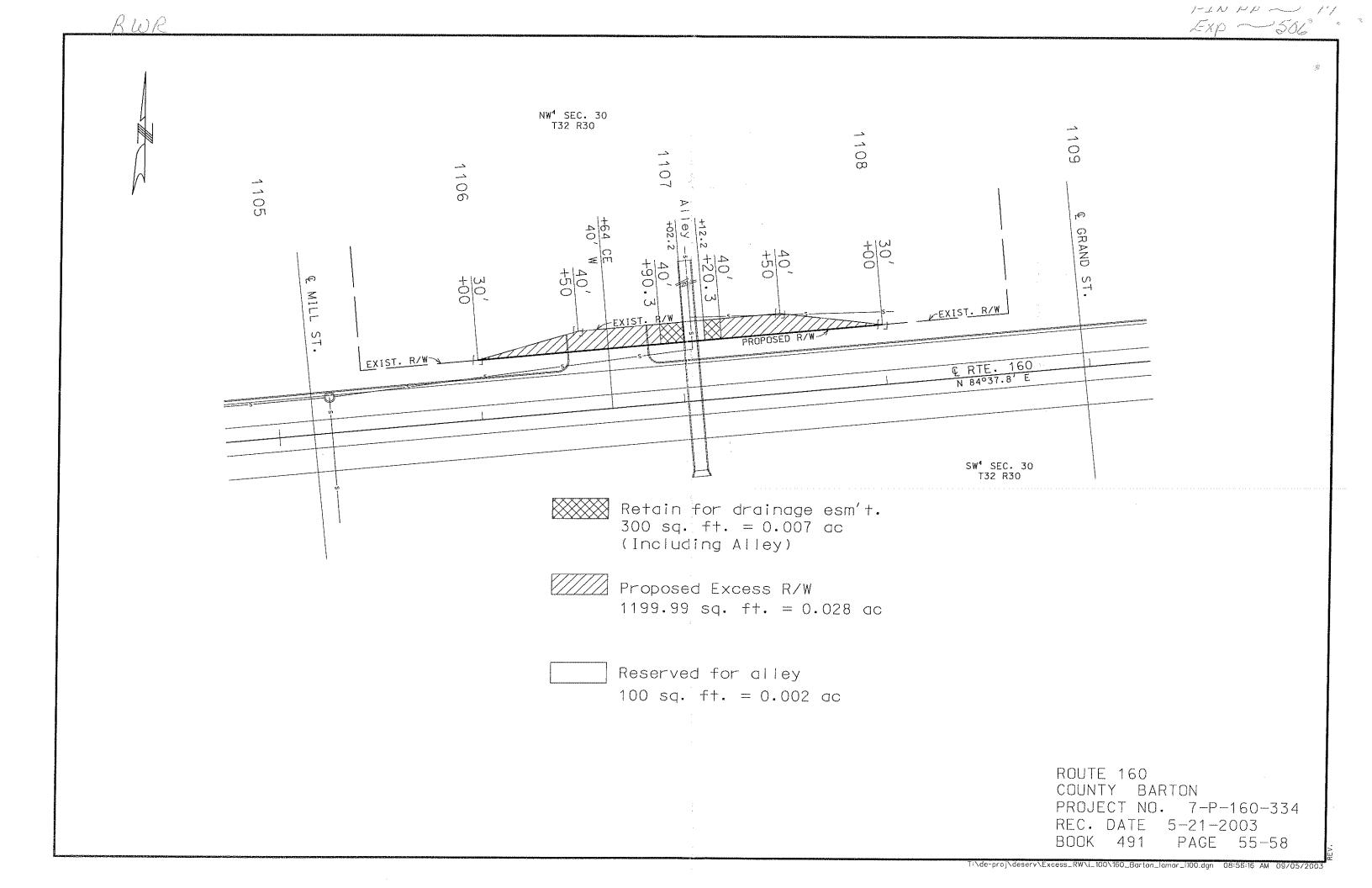
Don't have approved ADA ownership memo	and map yet.	



### DESIGN DESIGNATION

A.D.T. - 1986 = 7450 A.D.T. - 2006 = 10,450

D.H.V. = 10 % T = 3 % V = 40 M.P.H.

# MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

Grading Drainage, Widening , Signals, Peautaking to & Lines

30-32-30

25-32-31

NW<sup>4</sup> 25-32-31

CEMETERY

-CITY LIMITS OF)

LAMAR HEIGHTS

COUNTY BARTON ROUTE **PROJECT** 7-P-160-334

R/W PROJECT F-160-1(14)

INDEX OF SHEETS

### SHEET DESCRIPTION NUMBER TITLE SHEET ------TYPICAL SECTIONS ( 2 SHEETS) 2 SUMMARY ( SHEET ) 2-A SUMMARY ( SHEETS) 2-B PLAN-PROFILE ---- 3-20 REFERENCE POINTS SPECIAL SHEETS - LTRAFFIL CONTROL PLAN 21,22 CULVERT SECTIONS ----- 27-37 COMPUTER DATA

### LENGTH OF PROJECT 1112+82.8 END OF PROJECT BEGINNING OF PROJECT 4,834.3 FEET APPARENT LENGTH NONE **EQUATIONS AND EXCEPTIONS** TOTAL CORRECTIONS 4834.3 FEET NET LENGTH OF PROJECT 0.916 / MILES STATE LENGTH FEDERAL LENGTH MILES

# MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION



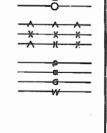
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION APPROVED

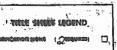
DIVISION ADMINISTRATOR

# CONVENTIONAL SIGNS

BUILDINGS AND STRUCTURES CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER FENCE CHAIN LINK WOVEN WIRE

GATE TELEPHONE POWER





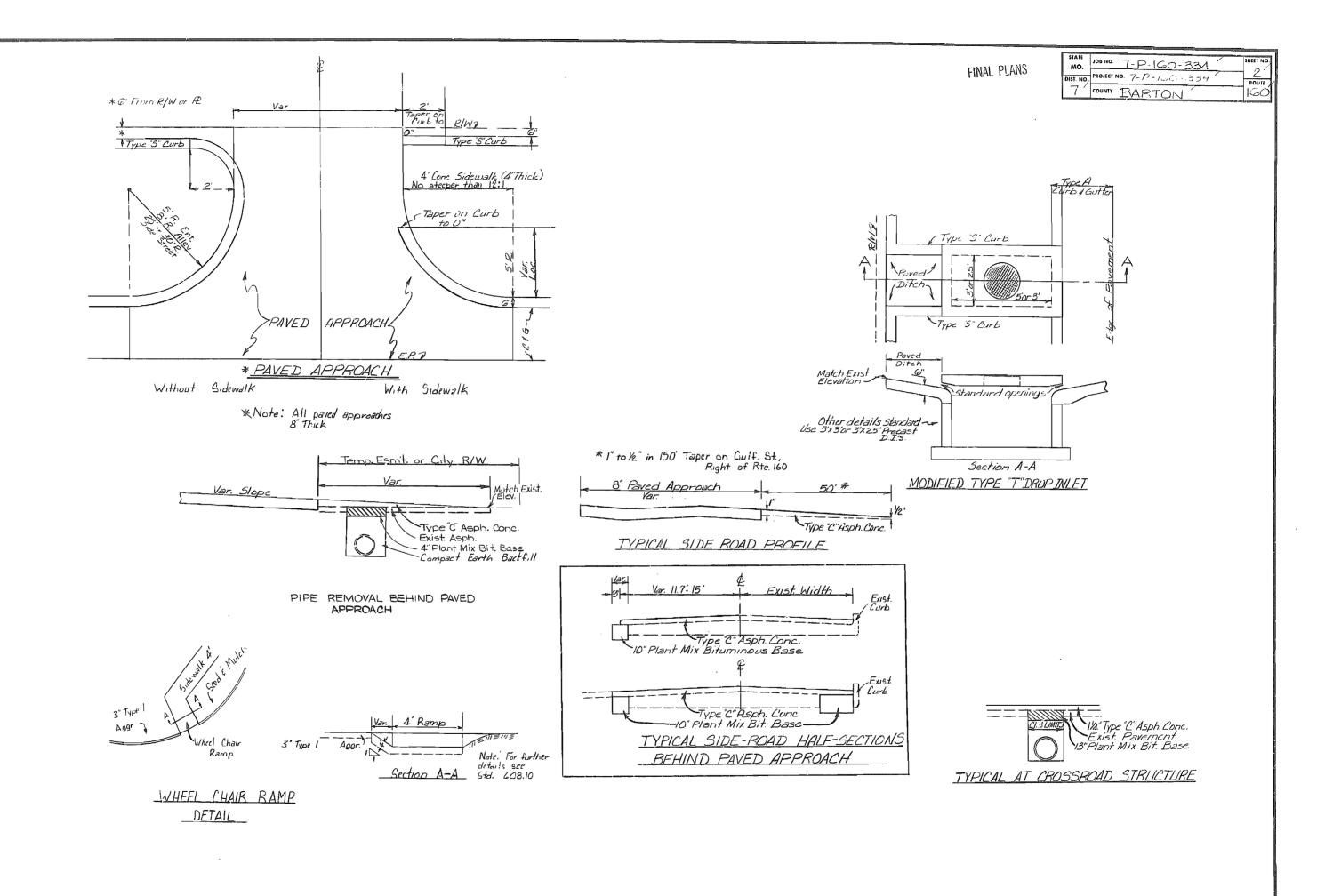


NOTE: DASHED OR OPEN SYMBOL INDICATES

DIST. NO. PROJECT NO. 1- 1-160 204 THAT PLIKS 7 COUNTY BARTON 160 Center Turn Lane Var. Limits for Subgrading & Shouldering Var. Limits of Subgrading and Shoulder Secol : Mulch or 3" Type I Aggr. Base C. \$ G «3" Type 1 Type A TOP of Curl (0.15 store exist. & elev.) Aggr. Base Top of Curb (0.15. delev.) Exist. R/W -Exist. R/W 3/4" IFT. normal 3/16" IFt. normal 3/16' /Ft. -2. 3/6"/Ft. Zs FACE OF TYPE "S"CURB AC SHOWING ON PLANS. Rounding 4 Parabolic A" The !
Aggr. Bone
(Continuous through
paved approache.) 11/4" TYPE "C" ASPH. CONC. 13" Plant Mix Bit. 13" Plant Mix Bit. 4"Type I Bace Wicening Base Widening Aggr. Base (Continuous through Paved Approaches) \* - Vari fioin 6'@ 1064+49.5 to 7'@ 1065+50 TYPICAL SECTION STA. 1064+48.5 +0 STA. 11:3+22,96 \*\* 7'from 1064148.5 to 1094125.3 8'from 1094125.3 to 1113122.96 7' from 1045150 to 1094125.3 8. from 1074+25.3 to 1113+22.96 Limits for Subgrading & Shouldering Limits for Subgrading & Shouldering Turn Lane Trans. Var. 0'-7' -Exist R/W Seed & Exist. R/W Mulch Tack Coat Vari. 8'-9" to 0'-9" 3/16"/Ft. -- ₹87F+ 3/81/Ft. -4' Parabolic Rounding 2'Type 'C' Asph. Corc. Rounding' 5' Type I Aggr. जिस्सार्थाः जिस्सारमार्थे 13" Plant My Bit. 13" Plant Mix Bit. Rounding 14 TYPE C ASPH. CONC. Base Widening Base Widening 2' Type "L' Asph. Conc. NOTE: SEED AND MULCH ALL DISTURBED AREAS 5" Type I Aggr. TYPICAL HALF SECTION TYPICAL HALF SECTION STA. 1062+61.8 to STA. 1064+48.5 STA.1113+22.96 to STA. 1115+68.5 I in 1200 depth transition Note: Existing & Const. Shift. Trans. from 4' Rt. at Sta. 1061+50 to 0'at Sta 1065+50 DEPTH TRANSITION TYPICAL Sta. 1062+61.8 to Sta. 1063+868 Sta. 1114+43.5 to Sta. 1115+68.5 TYPICAL SECTIONS Sheet 1 of Z

JOB NO. 7-P-160-334

MQ.



# MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION SUMMARY OF QUANTITIES

FINAL PLANS

STATE MO. JOB NO. 7-P-160-334

DIST NO PROJECT NO 7-P-160-334

COUNTY BARTON 16001

ITEM DESCRIPTION QUANTITY LUMP SUM 202--20-10 REMOVAL OF IMPROVEMENTS 1582 CLASS 3 EXCAVATION 206-30-00 62-1 SUBGRADING AND SHOULDERING CLASS 2 212-20.00 STATION 231.4 ASPHALT CEMENT (BASE WIDENING) 301-30-11 5837 -MINERAL AGGREGATE (DASE MIDENING) 25:18 / 304-00-33 AGGREGATE FOR BASE (3 IN. THICK) TYPE 1 (4 IN. THICK) 7081 304-00-43 536 TYPE 1 (5 IN. THICK) AGGREGATE FOR BASE 304-00-53 20 -310-70-01 390-90-00 TEMPORARY SURFACING 403-10-11 ASPHALT CEHENT (ASPHALTIC CONCRETE) 1549 403-80-00 2563 / 407-10-05 TACK COAT 2000 400-10-10 PRIME-LIQUID ASPHALT GALLON 300 -FIELD LABORATORIES 601-10-00 LUMP SUM 604-40-11 PIPE COLLAR, TYPE A 604-40-12 PIPE COLLAR, TYPE B EACH 605-20-20 CLASS B UNDERDRAIN 608-50-08 PAVED APPROACH. B IN. 7/42.3 CONCRETE SIDEHALK, 4 IN-608-60-04 412.4/ 609-10-10 CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S LIN FT 3162 CURB AND GUTTER TYPE A 609-10-51 4333 609-10-60 PAVED DITCH/ ROCK LINING 509-70-00 1 12 " 614-10-10 GRATES AND BEARING PLATES CAUDA 14530 MANHOLE FRAME AND COVER, TYPE 3 18 MANHOLE FRAME AND COVER TYPE 4 20 ' CONSTRUCTION SIGNS 588 CHANNEL IZERS (DRUHS) 228 MOBILIZATION TEMPORARY PAVEHENT HARKING 703-20-01 CLASS B CONCRETE (CULVERTS) 14.6 REINFORCING STEEL (CULVERTS) 1.570 726-13-12 12 IN- CLASS III REINFORCED CONCRETE PIPE 525 726-13-15 15 IN. CLASS III REINFORCED CONCRETE PIPE CULVERT 726-13-13 18 IN. CLASS III REINFORCED CONCRETE PIPE CULVERT 726-13.24 24 IN- CLASS III REINFORCED CONCRETE PIPE CULVERT 4,643

ITEM	DESCRIPTION	UNIT	QUANTITY
26-13-30	30 IN. CLASS III REINFORCED CONCRETE PIPE	LIN FT	1,203
26-13-36	36 IN. CLASS III REINFORCED CONCRETE PIPE.	LIN FT	1,383
31-00-48	PRECAST CONCRETE HANHOLE - 48 IN-	. FT	15
31-00-60	PRECAST CONCRETE MANHOLE - 50 IN-	Fτ	\37
231-10-22	PRECAST CONCRETE DROP INLET 2 FT X 2 FT	FT	110
731-10-30	PRECAST CONCRETE DROP INLET 3 FT X 2 FT-6 IN-	FT	45
731-10-32	PRECAST CONCRETE DROP INLET 3 FT X 2 FT	FT	54′
731-10-42	PRECAST CONCRETE DROP INLET 4 FT X 2 FT	FT	
731-10-53	PRECAST CONCRETE DROP INLET 5 FT X 3 FT	FT	44
732-00-12	, , , , , , , , , , , , , , , , , , ,	EACH	
/	12 IN- FLARED END SECTION		<i>3</i> ´
732-00-18	18 IN- FLARED END SECTION	EACH	5 /
/32-00.24	24 IN. FLARED END SECTION	EACH	1
732-00•36	36 IN. FLARED END SECTION	EACH	1′
302-30-00	TYPE 3 MULCH /	ACRE	1.1
305-10-00	SEEDING	ACRE	1.1
,			
	TRAFFIC SIGNALS	_	
902-02-13	SIGNAL HEAD. TYPE 3S	EACH -	
902-05-13	SIGNAL HEAD. TYPE 3B	EACH	16
902-05-15	SIGNAL HEAD, TYPE 5B	EACH	2
702-26-50 /	150 WATT 120 VOLT HIGH PRESSURE	EACH	4
02-31-28	SODIUM LUMINAIRE POST+ TYPE CL, 28A	EACH	. ,
02-31•31			
/	POST. TYPE CL. 31A	EACH	`2′
902-31-39	POST, TYPE CL, 39A	`EACH	1
902-42-80	CONTROLLER ASSEMBLY HOUSING, KEYBOARD ENTRY, MODULAR 3Y FUNCTION, B PHASE DP CONTROLLER	EACH	1
02-49-20	DETECTOR, PUSHBUTTON	EACH	8
02-49-40	DETECTOR, INDUCTION LOOP VEHICLE	EACH	\g /
02-51-25	CONDUIT. 1 1/4 IN., TRENCH	LIN FT	46
02-52-00/	CONDUIT, 2 IN., TRENCH	LIN FT	84
902-52-50	CONDUIT, 2 1/2 IN. TRENCH	LIN FT	49
902-53•00	CONDUIT. 3 IN. TRENCH	LIN FT	81
902-72.00	CONDUIT, 2 IN., PUSHED	LIN FT	24
902-72-50	CONDUIT, 2 1/2 IN., PUSHED	LIN FT	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
902-82.08	CABLE, 8 ANG 1 CONDUCTOR, POWER	'LIN FÎ	80
932-83.02	CABLE, 12 ANG 2 CONDUCTOR	LIN FT	1,410
902-83-07	CABLE, 12 AMS 7 CONDUCTOR		7960
/		LIN FI	\
902-85.00	CABLE, LOOP DETECTOR, 1% DUCT	LIN FT	\3,000 /
02-85-10	CABLE, LOOP DETECTOR, LEAD-IN	LIN FT	930

	FINAL PLINS	P-160	- 334
	SHEET 1 OF 1 7 COUNTY BA	RTON	Kol
ITEM	DESCRIPTION	UNIT	QUANTITY
902-86-10	POWER SUPPLY ASSEMBLY, TYPE I	EACH	1
/902-87-30	30 FT SERVICE POLE	EACH	1
902-88-01	PULL BOX+ TYPE I	EACH	6
902-91-00	BASE, C'INCRETE	CU YD	12.3
		<del> </del> -	
	CONTINGENT ITEMS		
501.01 /	Adj H = - = Long Connection /	Dollar	/78.58
501.02	Asphar Diacity Sangle	Ei.k.	301
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	According MAY 1, 1949		
	ACCEPTED . MAY 11 1987	F7-4"	6-9-31
	RECTION ED EY: J. Sun VANTON	L1272.	
	DETRAT OFFICE: Donald R Loure !!		
	MANU DECISE: (DI 1 14	1	7-10-57
	MAIN OFFICE: (Jamela Otto	CATE!	8-17-89
	-		
		1	

						MI	33U(	KIH	IGHW	AY A	NU	IKAN	SPO	RTATI	ON CO	DMM	ISSIC	ON							FINAL PI	ans.	MO. JO	B NO 7-	P-16	0-334 0-334 0N	SHEET NO
										SUI	MMAR	Y OF	QUANT	ITIES										<b></b> .	I IIAUF I I	LAND	DIST NO PR	OJECT NO Z	7-P-16	0-334	2 ROUTE
											and the same of the same															5	7 "	UNTY	BART	ON	160
		REA	OVA.	K OA	IMPR	OVEM	EW TS						<del>-</del>					PAY	ED	APP	COAL	CHES	(CON)	INVIE	9)				The state of the s		
		200	np S	um	1/										Sheet 14' 16' 16' 16' 16 16		Type &	Wich	/ enoth	Padius	8'000	4" Npe									
				-				-							Sheet	Sta.	Loc.	Ft.	Ft.	Lt. & Pt.	5.X	5 Y.	Rem	arks					+		
				<del> </del> -			_					<del></del>	-		14	0271528	CELF	30'	-11.	5	41.2	24.4									
															16'	1029,05.4	5151.11	51.6	20.1	25	2131	24.4	Broad	day 6	1/ 00/	-					
		100	100	1000	20101	<u>ئے سر ر</u>		-		-			-		16	1099105.4	515t.P.	52.2	29'	25	217.3	λ :	Broadu	ay St	reet				-		
		PA		AM	POACH						<del></del>	_	<del></del>		16	10221842	CELT	30	_//_	5	65.6	38.9									
+		Type & Width	Lengt	Badius &	B'Conc. 1	loge:									16	1100+12.4	C.E.L.	30'	11'	5	11.2	211					_				
5/20	eet .	Sta. Loc. Ft.	Ft.	Lt. ERT.	5.7. 5	<i>Y</i> /	Pemari	(5							16	1100t25.4	C.E.R.F.	40'		5	534	/						+			
	1	06480 C.E.Rt. 40"	11.	1	531		ac Suaf	17't beyo	nd and				-	-	16	1101+12.4	AlleyLt	14	4/	8	25.5	14.3									
	4 10	DESTINGELT 20 DESTINGELT 20	11.	5	53.4 220 17 220 17 53.4 220 17	22	. 11	232 "	"						16	1101169	CERT	30	11'	3	41.2	211				+			<del>  </del>		
	4	065t7# C.E.Lt. 20'	11.	3	220 12	2	, ,	10'± "	"						16	1102+18	P.E.L.	20'	//	5"	220	122	Used C	E. 5/d.			<u> </u>	_			
	1	066172 P.E.L.J. 20	11.	2.	2000 1	20 11	sed C.A	- 541	<del></del>				+	_	16	1102127	SERT.	24	1000	15	33.0	20.1									
T T1 8	4	pageted C.E.P. MO"	11.	5	53.4										16. 160	1103106.1	5d.St.Lt. 5J.St.Pt	30	188	25	1125	115.4	Poplar	Street							
	4	067/22 C.F. L. 60	//	5	77.9 40	5./ <del>/ 4</del> 5	9r Su.	. 5 beyo	nd appr	· <u> </u>					73'	1/05/17.2	Sd.St.Lf.	30'	28.6	25"	141.8	114.7	Mill 5	treet		_					
1018	4	067+55 C. L. E4: 40	11.	5	53.4	<del></del>	-				_			-	18	1051172	Sd.51.R4	30	28.6	25'	141.8		Mill 5	treet							
3 3	6 10	067155 C.E. E. 40' 068163 C.E. E. 40' 069126 C.E. L. 60'	11.	3	53.4 53.4 77.9 40 53.4 53.4 41.2 2	5./									18	110/6130°	CFIF	10	111	5	31.2	211	Used C. Poplar Poplar Poplar Mill S Mill S Grand Grand Lised C Aggs Su Aggs Su Truman Truman	4-							
A A RE	6	069131 C.E.R. 40	11.	5	53.4										18	108197.8	5d.5t.Lt.	30'	28.7	25	142.1	115.1	Grand	beyond Street	appr. 1	o K/W	<del></del>				
8	6	069131 C.E.P. 40' 070103 C.E.P. 40' 070112 C.E.L. 30' 070115 C.E.L. 50'	\//.	5.1	53.4	11	-								_18'	1108+27.2	Sd.St.Pt	30	28.7	25	142.1	/	Grand .	treet							
	6	010116 G.E.L. 50'	V/*·	5:	65.6 3	29 4	on Surf	5 bey	and and	20					18'	1109185	PERE	20 1	-	1 5	220	211	Lised C	E. 5+0	<u>/</u>						
	G $V$	C70+83 C.E.R. 50		5.	65.6		~								20'	11101778	C.Z. Allen	40'	11.	5	53.4	31.6	-								
16	6	071130 C.F. 1.t. 32'	11'	51	13.6 2.	5.9					<del></del>		-	ļ	20'_	1110t20.3	AlleyEt	15	//	8	26.7	/	Aggr. 50	rf. 11'4	beyond	appr					
	6 1	1072122 C.E.Lt. 50'	111.	\\S'\	656 3	3.9									20'	VIII+52.8	DEL DEL	30'	105	5	3/.2	200	1	0 -4	/2	1					
	6	072.197 C.E.R. 60'	. ///	5	77.9										20'	VII2+82.8	5d.5t.L.7.	27'	28	28'- 27. 25'- Et.	126.4	1022	Truman	Street	<i>peyon</i> o ∠	appr	<b>-</b>		-		
18		073+10 C.E.L+ GO'		5	77.9 4	<i>6.</i> /					+				20'	1112+82.8	Sd.St.Rt	27	28.1	25'- RA	126.3	<u>X</u>	Truman	Stree	e. <del>/</del>						
	6	074+26 C. E.L. 60'	11.	5	17.2 40	2/							+	<u> </u>						TALS	7142.3	22.30.9		-	_		<del></del>		<b></b>		
	8	075+51 C.E.L. 40	\ <u>\'</u>	151	534 3/	6																					-				
	8	076173 C.E.H. 30'	3/1.	3	4/2 2	11 12	- Sunf	2 / 60,000	d 000 is							_				<del></del>											
	8	074426 C. E. P. 50' 074426 C. E. L. 60' 075451 C. E. L. 40' 075451 C. E. L. 30' 075450 C. E. L. 30' 075455 C. E. L. 55' 080451 C. E. L. 55' 080451 C. E. L. 50' 08166 C. E. L. 50'	302	25'	182.8 14	2.1	Dat S	Areet	a appr.				-			-				<del>                                     </del>											
	8	079450 6 E. 24 50'	)/··	51	65.6																			<u> </u>							+
B	10	079765 C.E.L.F. 33	11.	5.4	161 2	25 A"B	it Buse	beyond	appr.				-							ļ	FIEA	D X	NTRAI	VCF5							
	10	080191 C.E.R. 50'	· 11.	5'3	65.6		11.000	Deyona	ары										Shoot	4 5+0	Loc.		_	Remo	- 4 -	-					
	10'	08/f08 C.E.L.F. 50	11.	3	656 3	3.9														\	L		1	K.emu	723			+-			
	10 ·	2001 m 1-101 11 20'	\000	1 221	X X	~	Maple S						-			-			4	1064100	R4.		<u>خ</u>	andara	1-203	.32					
1 6	10	1811-181	30.5	25	50.6	Mapi	e Street	-4"Bit.	Bose &	"Type Cove	er Frist	App ECE	14-						4'	1064100	Pine	och da	d with C	endard	- 203	32	1-50 711				
	10' K	083143 C.E. Et. 50'	///	5	65.6	<del>'</del>						/									1,DE A	ZCJUGES	· COTTES C	one call	703777	pe. C	0.55_///_				
	10'	084150,6 Alley Lt. 14	1111	81	25.5	12		+ -			-		<del>  -</del>		_					-											
1 1 10	10:	084197 CERT 50'	11.	311	65.6							<del> </del>	<del> </del>							1					+	+	+				
	0	285124 C.E.Lt. 40'	11.	15/1	53.4 3	.6																									
	2	086142956151.11 30"	28'	25	140.0 11	25	Novet S	tract			-		<del> </del>			-				-	1000	(50)	DITC		-		_				
	2	086429 SISTEL 30"	23'	25	140.0	Waln	ut Stres	-/-					-		_					<del>                                     </del>	PAX	EU	DIAC	7	-+-	+			+		
	2'	087+68 R.F. L.T. 14"	11/1	3	21.6 /12	9 1/50	d G.E.S	5 <del>4</del> %.											Sheet	5ta.	Loca	tion I	Dinen. S.	y L	emark	-					
	2	0881343 Alley Lt. 14"	7/11	क्रिने	2551	12	_	1	+		_								\			\ \ \			-						
AREAS CHE	2	089+19 C.F.Rt. 50'	11'-	NE.	65.6						_	_							40	1061118	275-2	29.5 Rt.	3 X2 .	67	_	<del> -</del> -		+			
	2	0804213C.E.L.f. 30'	11/	5	41.2 2	1.4												,	4'	10/82/00	225-2	25 24.	3x21.	67							
12	2 10	090+2535251.14 30'	28'	251	30 8 11	25 66	25514 6												.6	1023150	285-	19504	2.5X/	28							
12	2 /	090+25.3 St.St.Pt. 40	23"	25'	70.9 \	Che	rry Str	set				<del> </del> -							8	1074168	285-2	95 B.	25X/	28		+	_	+	<del> </del>		+-
Ž /2	2	290191.8 C. E. L.f. 55	///	5.5	71.7 - 4	2.5													8	1022106	2A5 -	19.5 PF	2511	28				_			
1/2	2 V	1901475 C.E.R.F. 60	11.	5.4	74.2 °													- 1	10'	1001 130	275	20.5 84	3X2	67						$\overline{}$	
<u>\</u>	2	DOITSO.3 C.E. FAlley 90	11.	5'	114.5 6	2.8							+						16'	1100122	255 -2	9.54	2.5×4	//_	-			+			
14	7	0924.50.3 C.F.R.F. 160'	111	5	77.9																	72	TAL 4	9/							
14	1 10	23123.4 C.E.H. 60'	111	5	22.0 K		_																115F 4	91							
14	2 10	193141.3 C.E.Rt. 52"	_11.	5	68.1	ast		<del> </del>			_	-	-							-								-			
14	7 0	1941253 51.51.11 59'	32.0	30	278.5	Gu	14 Str	eet												+								+-			
14	1 10	084 226	33.7	30	7701	Gu	/f 5+r	ect																							
	1. 10	96+365 C.E.L. 30'	11'	5'	77.9							-	+															-	-		
11	10	196+83 C.E.P. 24"	11'	5'1	33.0			1 —	$\overline{}$		-	_										-		_				+	+		
= 14	/ I:			4 \																											

MISSOURI	HIGHWAY AND TRANSPORTATION COMMISSION	FINAL PLANS MO. 7-P-160-334
	SUMMARY OF QUANTITIES	DIST NO PROJECT NO 7-P-/60-334
		Sheet 2 of 5 7 COUNTY BARTON
TYPE A CURB & GNTTER	TYPE A CURB & GUTTER	TYPE "5" CURB (Continued)
Sheet Station to Station Loc. Lin. Ft. Remarks	Sheet Station to Station Loc. Lin. Ft. Remarks	Sheet Station to Station Log. * Lin. Ft. ** Remarks
4 1064485-1064455 Rt. 6.6 4 1065405 1065493 Rt. 88.3	16 1100+12 1100+524 1+ 33.0 16 1100+24 - 1100+274 1+ 5.0	16 1100+50.4-1100+55.4 29.5 Rt. 60 Rt. Rte. 160, Matched exist. Cur.
4 1066 +43 1066 +551 Pt. 12.61	16 VIOITER 45 VIORTOS X + 1.25.8	16 1101+35.4 -1101+54 22.5 Rt 20.0 Rt. Rte. 160
4 1067450 1067430 Rt. 25.0 4 1067450 1068438 Rt. 58.5	16 102123 - 2102465.77 2.1. 33.0 - 16 5 18 10314579 - 4104176. 52 2.1. 130.5 -	16 101484-1102415 225Rt 315 Rt Rte. 160
1 & G 1068+88-1060+06 Pt 18.01	18 10515653 - 106130 11 822	18 10+4x 65   No 11 14 Nill 51
G: 1069+56-1069+53 Ct. 27.3 G: 1070+33-1070+53 Ct. 20.0	18' 100 ts 2 - 208 ts 642 / t. 169.1 - 18' 100 ts 6.43 - 100 ts 6 / t. 49.8 -	16 9+449-9+51.9 26 Ht. 7.0 Lt Broadway St
	20 1110126 - 11101528 11 270 -	4 1064+74 - 1065+01 2251+ 228 1+ Rte. 160 4 1065+21 - 1065+64 2251+ 433 1+ Rte. 160
G 1071+13-1071+54 Pt 41.5  G 1072+19-1072+62 Pt 42.5  G 1073+32-1073+92.5 Pt 59.3  G\$ 8 1071+52-5-1073+37.9 Pt 157.3  8 1072+32-5-1073+37.9 Pt 157.3  8 1072+32-3-1073+37.9 Pt 157.3  8\$ 10 1079+30 1030+61 Pt 81.0  10 1081+21-1032+157 Pt 94.2  10 1082+32.75-1083+13 Pt 13.2  10 1083+73-1083+13 Pt 13.2	20 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4 1065184 10651.27 22.51t. 13.4 Lt. Rte. 160
G 6 1073132-1073192.5 Pt. 59.3 ( G 5 8 10741325-1076147.5 Pt. 194.2	20' 11111928-1112 42.GA Lt. 500 - Field Measurement	4 1066+82 1066+92 2251+ 105 Lt. Rtc. 160 4 1067+52 1068+96 2251+ 144.6 Lt. Rtc. 160
8 0771025-107815D.0 Rt. 157.3	Tota/\4332.7	6 1069156 -1069197 29514 419 Lt. Rte. 160
8 10 V079180 1080161 81 810	1/56 4333 /	G 1010127 - 1010145 29,511 189 11. Pte. 160 G 1010195 10111111 29,511 20,1 11. Pte. 160
10 1081+21-1032+157 Rt. 942		6 1071445 - 1071451 30' Lt. 60 1t. 8te. 160, Matthew exist, curr
10 1082+98.75 1083+13 Rt. 13.2 10 1083+73-1084+02.6 Rt. 30.0		6 107/195 - 107/197 30 Lt. 3.0 Lt. Rte. 160 Matched exist. Cur
10 1085t27 1085t48 Rt. 207	TYPE "S" CURB	6 Onetas - 10xetse 30 it. 6.0 It. Rtc. 160, Matched exist. Cur.
10 1085127 1085148 21: 20.7 10 \$ 12 1085198-1086102.93 21: 4.9	Sheet Station to Station Loc * Lin FT ** Remarks	6 10731-W - 1073196 2254 562 Lt. Pte. 160
12 Vot47.03-X0452.3 (Lt. 5.3) Walnut St.	Sheet Station to Station Loc. * Linft ** Remarks 4 1065t00 - 1045t28 225 Rt 100.1 Rt. Etc. 160	6 8 10.4+96 - 2025631 2254+ 76.0 Lt. 8te. 160 8 10.20+04 - 10.20+10.4 40 Lt. 11.0 Lt. 8te. 160, Matched exist, ourt
12 08Gt82.93 1081+41 Pt. 57.7	4 1066+38 = 1006+60 29.58+ 22.6 Rt. Pte. 160	8 1079+104 - 1079/37 5 79 5 14 263 14 840 160
121 10001000000000000000000000000000000	4 1067100 - 1067135 29.581 35.8 81.81e.160, Incls. Curb to D.I. 4 1067175 - 1067180 30.561 5.9 84.81e.160, Marched exist, Curb	8 2+50.8 - 0+70.5 Nos. Lt. 12.0 Lt. Onk 5t. 85 10 1070+02.5 - 1090+34 22.5 Lt. 42.4 Lt. 8te. 860
12' 1091+323-1091+40 Pt. 8.0	4 1068 to 3.5 25.545 \$ 3.0 Rt. Rte. 160 Exist. Surp to D.I.	10 1080+63 - 1050+83 295/4 16,2 /4 Rte. KGO
14 1092+10-1092+153 Et. 53 14 1095+55.7-1095+88 Et. 32.7	4 1068+06.5 855.05.8 3.0 Pt. Ble No. Exist. curb to D. I. 4 1068+41 1068+43 305 Pt. 4.8 Pt. Etc. No. Marched exist. curb	10 108/1138 - 108/1666/295/11 33.5 Lt Rte. 160
14 1096+58 1096+66 84 8.0	4 5 6 1008 to 3 > 1009 + 1/ 205 to 28.5 Bt. Pte No. Indis Curt to 18.7.	10 21616 - 21716 Var. Rt. 18.4 1t. Rte. 160
14 \$ 16 \ \1007100 \cdot \text{1001504} \ P1. \ \34.4	G 1062+51 - 2062+88 22.5 Rt 38.0 Rt. Rtc. 160	10 10841576-1085104 29514 A62 14 Rte 160
16 1100+16.1-1100+504 Pt. 34.4 16 1100+16.1-1100+504 Pt. 34.4 16 1101+40.4-1101+40 Pt. 9.0 16 1101+80-1102+10 Pt. 21.3	G 1070128 - 1070158 29.58 30.6	10 512 1085144 - 1086184 20.5 14 75.4 LF Ete KGO 12 2+53 - 2+70.5 Var. Rt. 20.0 Rt. Walnut 5t.
\ \( \( \) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	6 Vorzella - Vozeella 22,5 th 6.0 Et. Bte. VGO, Matched exist, ourb	12 10801309 - X089150.3 225'Lt: 13.1 LA Rte, 160
16 \$ 18' \103+47.63' \104+77.87 \ \R\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	6 1072+62 - 1072+627 22.5/2 6.0 Rt. Rte. 160, Matched exist. Curb	12' 1291803'- 1020100829514 209 Lt. Rte. 160
18' 10515783 110G+10 R4 51.7	G 1072427 1072437 20.5 Pt. 4.2 Pt. 160, Matched exist. CNPh G 1072450 1072457.5 20.5 Pt. 13.0 Pt. Pte. 160, Matched exist. CNPh G 1072450 1072457.5 20.5 Pt. 13.3 Pt. Pte. 160, Incl's. Curbs to D.I. G 1072450 1072407.5 20.5 Pt. 13.3 Pt. Pte. 160, Incl's. Curbs to D.I. GES 107247.5 1072452.5 20.5 Pt. 203.7 Pt. Pte. 160, Incl's. Curbs to D.I. B 1072497.5 1072464.0 20.5 Pt. 162.5 Pt. Pte. 160, Incl's. Curb to D.I. B 1072493.0 1070715 20.5 Pt. 162.5 Pt. Pte. 160	12 24601 - 2A70.5 Vac Lt 17.9 Lt Cherry St.
12 11/00/201085 V MOLOON PLA 1215 /	6 1073490 20734973 29.5 PA 13.3 Pt. Pte. 160, Matched exist. Curb	12 1000H28-1000HM3 205H 208 H Pte 160
20 1110+00 = 1110+24.8 Pt. 75.6	8 1076+27 5-2018+64.0 22.5 B. 167.5 Rt. Ptc. 160, Incl's. Curb to D.I.	14 10921837 - 10921924 29.51+ 10.0 1t. Rte, VGO
20 1110 to 0 = 11 10 t 24. \$\chi \chi \chi \chi \chi \chi \chi \chi	8 V078f939 1079f25 29.5 PA 31.3 Pt. Rtc. 160 8510 1072f75 1030f66 22.5 PA 912 Pt. Rtc. 160	14 1093453 4-1093466 4 29,5'14 12.8 14. Pte. 160
4 1061+1851111111111111111111111111111111111	10 1081+16 1082+32.3 22.5 PA 17.1 Pt. Rte. KGO	14 \ \( \text{1093466.4} - \text{1093485.9} \) \( \text{Vor. Pt.} \ \ \text{13.9} \) \( \text{PA Gulf St.} \)
4 1065126 1065150 1+ 33.5 4 1065150 - 066157 1+ 62.5	10 Vintal + Vintage State 185 Pt Mark St	14 1096147.8 20534814 5.5 Lt. Rts. 160
4 1067+57-1068+91 12+ 133.8	10 mastald-mastle 200 5 at 34B pt pto 100	14 1006+428-1006+71.5 225' Lt. 23.2. Lt. Rtc. 160
G 1069461 - 1069492 1.4. 289	10 \n83468-\n844776\00514\40.5\ Pf Pte No	14 \$ 16 \ 1007 + 74 5 - \ 2008 + 17.5 \ 225 Lt. \ 43.5 \ Lt. Rte. 160
6 1071+00-2071+00 1+ 20	10 \0844576\084472\09.584\\3.5\\Beta\000000000000000000000000000000000000	16 2430 - 25,0 26 Pt. 28.0 Pt. Republic St. Morched exist.
G 1011+51 - 1011+02 1+ 41.0 G 1012+52 - 1012+155 1+ 23.2	10 \$12\1085+93 = 1085+184\2059+\262\ P+ P+0.150	16 9134 - 21627 395 Rt 35.0 Rt Broadway St 4 Opening for Wheel
G 7073145-707310111+ 458	12 10129.5 20147.03 Var. B. Et. 28.4 Rt. & Lt. Valnut 5t.	16 10001443-100015222354+ 15.2 Lt. Ete. 160 16 1001002-110015242354+ 54.2 LA Ete. 160, Incl's. Curb to 0.1
658 V074+61 - V075+26 V/+ X 649	12 \1089+44 \2089+913 \89.5'R\ 48.2\ Rt. Rte. X60	16 11001874-1101 to5.4 295/th 18.7 Lt. Ete. 160
8 1075+76 - 078+3674 1+ 260.9 8 1079+26.98 079+32.5 Lt. 3.5	12 10+29.5 - 10+47 Vac. Rt. 26.1 Rt. Cherry St. 12 10+29.5 - 10+47 Vac. Lt. 25.5 Lt. Cherry St.	18 VIOG +34 Vor. 14. 9.0 1 Lt. Rte. 150. Takered to 0" at RV
SE10 10791925× 10901200 1+ 3301	12 1020+42,8-3020+70,322,5;8. 20.5 Rt. Rte. 160	18 1106 to 4 \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
10 1080+13 1080+13 Lt. 60 10 1081+38 1081+61.6 Lt. 23.5	12 1001+273 x 1001+45 20 5 PA 125 Pt Pte 160	* - To Fage of Curb
10' 1082108 10841356 1+ 135.81	14 1092t05 - 1092t00.3 29.5 Pt. 15.8 Pt. Pte. 160 14 1092t30.3 1092t30.3 29.5 Pt. 100 Pt. Pte. 160	Total 316250 **- Field Measurement
10 10846565 108499 1.1. 345 10512 1085149 108610287 1.1. 537	14 1023+0-3-1028+15.3 225/21 12.0 Pt. Pte. 160	Use 3162 /
12' 1086489 86 1087450 14 172 6	14 1003+623 1008+72.2 20.5 Et. 5.5 Rt. Etc. 160	
12 1087180 10881199 1.1. 39.6	14 10+521' \ Vac Et 10.2 Et Gulf 5t.	
12 088149.9 039101.9 1. 52.1	14 101.527 - VOtal 203'Lt. 50.0 Lt. Gulf St. Matched exist. curb	
14 1092+3113 1092+884 1+ 58.3	14 10+52.7 - 10+64.5 39.5 Lt. 11.2 Lt. Gulf St. 14 1094+65.4 2094+85.7 Var. Rt. 28.7 Rt. Rte. 160, by new R/W	
14 1092+39.3 1092+88.4 1+ 58.3 14 1093+58.4 1093+66.37 1+ 7.7 14 1094+84.72 1096+66.5 1+ 181.6	14 10941857-1094190 1295 PA 6.5 Rt. Pte 160	CONCRETE BOX CULVERYS
14 1097106.5 - 1097139.5 / + 33.1	14 10954507 - 1095403 29.5 Pt 43.0 Pt. Rte. 160 14 1096453 - 1096471 29.5 Pt. 18.5 Pt. Rte. 160	Wing Eine, Reiot. St. Cl. 3
14 \$ 16 1097+70.5-1098+125 Lt. 33.0	16 10201306 1020161 Nar. Pt. 56.2 Rt. Rte. 160. 5. W. Con Intersect	Sheet Station Loc. Standard Slope Size Length Cu. Yd. Rounds Cu. Yds, Remark 18 10071053 Rtc. 1607103.21 2:1/6x2 4414168 14.6 1570 43 Extended R
	16 1100+111 - 1100+16,1 225 Et. 6.0 Et. Rte. 160, Matched exist. curb	18 11071053 Rtc. 160 703.21 2:11 6'x 2" 14/15/168 14.6 1570 43" Extended &
	*- To Face of Eurb  ** - Field Measurement	Total 14.6 (1570) 43%

SP-2B	Acceptance of the Section of the Sec		and a plan in the control of the con								MIS	sou	RI F	liGl	HW						ORTA' NTITIES	ION	V CC	MN	ISSI	ON									FINA Sheet	AL PLA t3of			NO PROJ		-P-16	0-33. 0-33 DN		SH
					00	r-h	AST	$\mathcal{L}_{\mathcal{O}}$	V/PE	2/= /L	<del>= 7)</del>	POP	TNI	<u></u>	5							and the second						PAV	CAS	T Co	WC F	32 7.	ED	ROF	ZN	N.E.	7\$	(Car	ntiru	ved)	-	THE PERSON NAMED IN COLUMN	Gentless Construction	THE CONTROL OF THE CO
		Storm	24		No.		107	Dep	th F	Pipe	2'x 2'	3'x2'	3'x25	4x2'5	3/F/2	amer isra	PING TES	INLET	C1.3	1 0	marks		Sheed	Storm	64.5	100	No.		3170	Depth	Pipe	2 2	'x 2' ;	3'X2.	3'x2.5	4'x25	183 F/E	overs	grafes t Bearing Plates	Curb Inlet Each	213	3	Jem	arks
3	heet	System	Sta.	Loc.	TVE	20.	Size	7.75"	02	enina l	Lin.Et.	Lin.F1	LIDE	t. Lint	-7. 1.72	Λ	1	Each	Cu. Ye	7. Ke	marks			7		/				1				`						-1				
l _	4		065+89	20.5'R	27-	ID	2'x2'	1-9	)" Z	-12"	2					, yc	0		12				16	5	1098169	7/2/21/	/ <del>/</del> / 1\/_	144	71/2/1	7-3"	- 7-17"1	1-199		2-	\				280 280	1.	13			
	4	- D	DG 5450 DG 7418	245'F	1-16	oTM \	'5'x3'	'XX6'-C	ンツス	-36					6	Y			17	Mac	lified Type	7	16	5	1100+22	23.5' [	FY-2	TM	3'X 2.5'	4-3	3-10	8"	4.		4	+		<b>∠</b> \_	190'		1/1	Mai	· 1-1 /	FinT
	4	1	068105	2456	(1)-157	TM.	'5'x3'	15'-ak	071Z	-36"	Δ.		┼- `-		6	<del>y</del>			16	Mod	ified Type "T lified Type "T	-	16'	5	110173	23.5'1	t. 1-0	47	5' X 3'	5-6	" Z-18; /	1.24	4				6	1-	170		1.			
	416	7	069462	20.5'F	1.25-	ID.	2'x2'	1-9	P 17	-12"	2		1			79	0		Z				16'	\ '5	1102+6	3 83.51	/ <del>/</del>	57	5'x3'	5-3	" 2 2	4"	$\dashv$			+-+	61 1	/ -		<del> </del>	V7/			
	6	<b>₹</b> , <b>₹</b>	1070+37 1071+50	205'F	1 24-	10	2' x 2'	1 3,-6	?" \ ?" \	-12" ·	Z					1/9	0	1	72	_ {			18	15	1104+7	23.5	14. /-	77	5'x3'	4'-6	2-2	4"			1		4-1				19	. !		
	26	1	1072450	270'F	X >2-	141	3'xZ'	1 1 7-9	?" \\	-12'		Z	3	$\overline{+}$		7 25	30	<i>'</i> /	5	+	<del> </del> -		18	\\5	(110x181	5127' L	£14.	-141	3'x Z' ^	119	- l }-/	2"-		72-	4_			/-	280	11.				
	6	1	1073+52 1074+57	2056	X)2n-	-1M	2'x2'	' <i>禾/-1</i>	2.4		/					19	0 /		7				1/8	77	1108+5	5\23.5'	41/-	.37 -	3'x2.5'	5'-6	"12-2	4"		2.	16			1.	120		9	_		-
	6	7	<u>1914+68</u> 1976+14	265' F	1/19-	15	3'X2.5	51/3'-:	3"\/	1-12"		_	3	+	+	¥			134	+-			781	\ <sup>7</sup> 7	(1110+9	58.27° L	14 13.	-/A 1\	3'x2'	1.9.	1 /-/2	2" 1		12/					280-	17.	`4			
	8	7,	1077405	36.5 F	7.177-1	17 1	3' x Z.5	5' 3'.	3" ()	-/2"			3			7			15	-			1801	7	11111+59	8 <i>28.5</i> °	<u>L+.</u> ^/-	-14.1	3'x2'	1 <i>Y'-9</i>	" 1 1/-/:	5"-	,	7	1	+ 1	1		280.	``		-		
	8	<b>V</b>	1077+10 1078+689	20.5' K	1.116-1	10	2'x2	1-6	)"\ ?" \\ /	i -12"	1	Z	1		$\pm$		80 -	. Y -	14								_				Tota	1/5-1	101	54	43	12%	447	18/	4,530	20,	156	2/	+-	
	.8	1/ 3	1/19127	26.51	21/14-	14	13'xZ	' \ )'- <sup>c</sup>	9" []/	1-12"		2				12	80 30	1	6			+	-	-	-	+	_					_												
NEWS CO.	70 /	V 3	1080+68 1081+30	1275	3/1/13-	15	(3 Y2.	5 3-6	o" (13)	1-12"			13	2		1.		\	15	-						-			PRE	CAS				OLE.		+				+				
Ì	10	177-1	1082+76 1083+09	220.87	3/ 42-	-/A.	312	<u>'1\/-</u>	9" 2	2-12" 1-12"	. 2	2	-	+		1.1	80 90-	Υ /	16					Storn	7					Depti					Lin F	Fram	C	1.3		1 .				
	10	1/ 3	108349	2051	21/10-	-ID:	Z'XZ	2' 1'-4	9" t	1-12"							90 .		2	_			Shee	System	n Sta	LO	C. /	10.	Size	777"	Pipe	. Aper	ung_	Lin. Ft	Lint	-t. F	ach C	v. Yd.	Rem	narks	i -			
	70	3	1084+65	20.5	3/ 9-	-/D	2'XZ	1/-	9" \	<u>/-/2"</u>	2						90 · 90 ·		1\5	1			6		1072+0	0221	9/, ).	-/3M	60"	6-5	2	2-3			7	1		11 .			_			
	10 \$ 12	. V X	West Di	225	7-	-10	Z'x2	21/2/1-	9.	1-12"	12						90 -	-\-	5				18/	. 1	1080+	X 225	'R#\)-	-//M'	160"	5-6	5"12-3	o. 1/	- 24" '		6			)// \//						
	12	7/2	086+61 1086+8	2051	Z/\ 5-	10 1	2'x2	<b>'</b> \  \  \  \  \  \  -	9".	1-12"	2.						90 v		3	/			10	3	1080+ 1082+	77 23'	L# V-	-9M-	48"	4'-	3" \ -/6	3",1-2	4	4-	1/2-	- 1	<u>/                                    </u>	\\8. \\		_	-			
	12/	1	1087+3	20.5	R/\4-	-ID 1	Z'X2	2' \2'-	3″√∑	1-12"	12	-	_		-		90 ·		5			+	12	13/	1)28/1	75 25 1	ρ/√ y.	-9M 1	160"	15-6	"12-	30° \	\		6	- y	<i>/</i> · _,	`i3 ·						
	72		INEQ18	205	E1 2-	JD d	19'V5	21 13-	·n" -1`	Y-12"	3					<b>\</b>	90 -	1	5	· .			72		1089f	フェリラビル	<i>of</i> 47-	- <i>RM</i> -	(A)"	1/7′-6	)"   \ Y->	30"/	<u>~ 24",</u> ~/-/5"/	5-	7 7	1		15.						
-	12	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1090+72 1091+46 1092+78	126.5' 1	04 1-	7A ×	5'XZ	' \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	9".	<u>'2-24"</u> '7-24"	<del>'</del>	1/2.		-	-		80 ·	1//	12	7				Ź	1094+	35 23.5	2.F. 1	-6M	48"	5:5	2-18	; /-24	2"	16-		Y		15						$\dashv$
	74.		1092178	526.5	RVY-	5A	3'12	'\\\\\'	-6"	2-24"		4	-			\\	280	1//	12	2 -				+-	-		+	-		+-	+-	72	ōtals-	15	37	2 9	1/	087						
	14	1 /	1094+8	118051	417-	3 <i>0</i> 1	7'X2	' 12'-	•9″⊀ì	1-15;	3		6				90-		5	-/					1_	1	_					_		7		_					+	-		
	111	1/ 3	109676	2 20.5%	PH. 7-	201	Z'x2	<u>' (2'-</u>	-0" <l< td=""><td>2-12"</td><td>2.</td><td></td><td></td><td>+</td><td>++</td><td>\\\\</td><td>90 -</td><td></td><td>3</td><td></td><td>_</td><td>_</td><td>+</td><td>+-</td><td>+</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></l<>	2-12"	2.			+	++	\\\\	90 -		3		_	_	+	+-	+																			
_	16	5 6	TIOD+2	2205	2X 2-	-1D 1	2'XZ	' 'Z'-	·3" t	1-18"	121					ľУ	90-	1.						-		_			_		_	-+				+	-							
_ -	16	5	1101+8	2265	RH 3-	-/A ≤	3'X2	7 7	-3"↓ 9"∤	<u>)-18"</u> `1-12"	1/2/	2		+	+	- 1	190	17/	3													_			Ţ						-	_		-
	18	6	1106+6	1205	P/1/1-	201	2'x2	" 【〉つ:	-3″∤:	2-12"	1/2.						1901		4			-		-	+	+-	$\dashv$				+	$\overline{}$												
4	18.	\ <u>\&amp;</u> \	10712	3 20.5 2 54.4	R4 )-	- <u>ID ^</u> -ISI :	3X2	2 / 2	0	1-12	1 2	2				, Y	90	1	16							1	1					$\dashv$			ļ						_			
	20	1.7	1111 +2	3 20.5	PA 2	-20	[ 'Y'X	24.2	-94	)-18	″Ł.⅓′	<del></del>	1/8	_	++	4.	190	1—	13	; (	_	-		+		$\pm$	-		<u> </u>						<u> </u>									
	4/	1 4 \	Mast 5	5 22.5	はしん	-RD 1	12'x2	2′1`5′	-9"1	2-18	1.6						190		1/0	), <							_		-			$\dashv$			_	+	$\perp$		_					
41-	4	4	1066+5	3 20.5' X 27'	t 1-	-7D: -1A:	2'X2	2/15/ 2/1/2/	- 3"   - 9".	2-18" 1-12"	5	2		-			190	11		/									-	1														
	4	1	106318	7 20.5	L+1 1-	6D:	2'x2	21 4	-31	2-18"	1.4		_			\	190 -		7	+		-		+-			_																	
	9	4	1070+3 1071+1	20.5 26.5	Lt. /- //: 3	-5D	3'XZ	1/4 1/-	9"	1-12	" 4	2				V	280	1	18					1	4_		_								+	-								
CKED	6	4	107148	3 20.5	1+ V-	4D	Z'X2	21:3	-9"	1-18;	4	,			++		190		7	5-		+-		+-		$\pm$			ROL	X /	/ M/	//\/c												
ABEAS CACKEE	6.	14	1073+9	3 26,5'	11/2	-/A '	3xx	2' 1'-	9"	1-12'	" 2	2	/			Z	280	1 1/2					-		Sho	ot 94	40	100	Culv	Zep	th Wid	dth l	<u>ength</u> Et	Cux	<del>/</del> .	Rem	INTA	5						
¥ —	<u>`&amp;</u> /	4	V1015+7	9 <i>20.5)</i> 9 27 1	<i>t</i> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- <u>2.D</u> -152 -	12'x2	21/2	-0" k	2-15 1-15	"   \2 /	1/2		_	+		190 200		5	2					-						١,	١.			1							_		
	10 /	3	1030 H	1 28	11/1	-4A	3'x2	2' 1'	-9".	1-12	"	2	_				280	1.	1	1-			-	-	1/3	1 106	3+50 S	50'L <del>1</del> 50'R+	24 F.E.	9/.	5' \ \	9.	13'	0.0	2					1				
	70	3	108447	020.5	(+: )-	-70	2'X2	2' 2'	-6"	2-18	7 3	-			$\Box$		190		\`5	5 -														12.										
	VO	13 -	108519	8 20.5	L+ £/-	GD:	- 2' x 2	242	'-9"\	2-18	" 3 " 3	-	-	-			190		1/6	7		-											USE	1/2	1		=							
	12	3	108816	5 20.5	Z#:XJ-	-AD	2'x2	2' . 2	-9" √	2-18	"1\ \3	-			$\Box$	1	190	-		5 -						///	VPF K	?FAK	A7EI	) 2	LASS	3 B	" <i>Ш</i>	WER.	DKAI	MI	2/ A	E.						
	12	3 5	109/139	326.5	17.12	- 1A	1 ≥'x2	2' 1'	-9"\	1-12	3	2		_			190 280	1 1/2		6						St	וחיזם		Matic	25			Lengh	6	Rem		$\rightarrow$							
	. 14	3 \	1092+3	(3)20.5	( f X )-	2D'	2 x 2	2'12'	-34	2-15	<u>"12</u>	/ \				V	190	1	16	6						et Sel	Stein	From	Exist	Part 1	ains S	B"	F£.	Incl.	-75: /-15	ELDOU	J. 24	lean-o	uts,					
	)4 )4	12	1093+7 1094+52	4285	∠ <i>+</i> :\≥	-1A.	14'X	Z √Z′	-3%	1-18	" <del>-</del>	2		2	2-1		280 370	1	\ 6	6												- 1		Jund.	in lact	incole 1	uvthit	-nat Di	3/17.	Ros	f Dr	rains.)		
Manager Manage	74	2	X1095+2. X1096+3:	33235	Z+1-J-	-57-	5'x.	.3×1'21'	-9%	178-1-1	51		-	_	5.	11	190		12	5/	-			+-		7_/	2	1-4D	Exist	KADT L	- 1		\		Jean-	WI AF	is joil			1,00				
	14	\Z	1097+1	1 20.5	'Z+1'X-	-3D	1. ž′x	21/2	-6 X	2-15	"\\2.						190-		1	7 -				1-							To	otal-	103	-	-									
		12	109710	15 20.5	'L+ )	1-2D	1 Z'X	2'12'	-3'-	2-/5	2		-				190	_	18	2			-	+	_		-		·															

										MIS	SOU	IRI H	IGH	WAY							ON	CC	MM	ISSI	ON							FINA	IL PL.	13	MO. JOB NO		-160-			SHEET NO 2B ROUTE 1GO
					ar garanasan kanan Askana		menusco principa smobilista	ar and a strong process of the contract of the	attigas (14) Secretarios es						SUA	MAR	Y OF	QU/	ANTIT	IES	8000 Fg 000000 Amen				VAC 10000-500 40 Am		deren a da deserva de de deserva de de deserva de		_			Sheet	4 of 2		_ /	BAR		7-35	7	160
		REINF	-OR	CED	COM	CRE	1/2	PIPE	4111	ERT.	\$ 0	LASS										REN	VF OF	RCE.I	<i>CC</i>	WCR	ETE	PIPE	CUL	ER7	5 0	CLAS			Conti	Nuc	<i>y)</i> [		Visit of Contract	and to make the
	Sheef .	Storm	-/7.7	,	<u> </u>	12"			24"	30"	36"	Flared El 12" 18	24 36	TVE NE	e C1. 5	3						Storm Sever				/2"	/5"	18"	24	30"	36"	Flared B	24 34	Collar Type Typ	E 012					
	Sheet .	*William Control of Control	Marie Contract	ed modern film fundamenter	to	NOW NO PERSONNEL	-+ 4.117.1	Ft. Lin.E.	- Z177. F	1. LIM. F.	1				1			mark	Manager and American			Sewer System (	\	\	10	1	Lin. Ft		Lin Ft	Lin. Ft.	Lin.Ft.	Ea Eá	Eci Ec	Ea. Ea	2 Cu.Yd.		Reme	arks		
	4	1	Rt.	87-1D	1-16Th	4					365		y y		1NCL. IN D.Z. # 30	1-15 SP 1-45	Elbe	Cornect	1 to 36 'P		12	3	'Lt. '	)-5D Y-4D (	1\/3Z	of \		711'	-						\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
6:37	4 4	1	R4.	Z6-ID 1-16TM	1-15TM	1					84				109	) _	Elboux	T-c'omra	ct to 36			3	Zt. 1	V-3D' 2-1A	ł	5'	289								154	T. Com	224 42 /	e- :		
	6	/	Rt.	1-14TM	1-14TM 1-13M	11					\92' 357'				118	7 /-5°	Elbor	U ,			14	2 .	Lt.	1-2D 2-14	1-61	1	141'	33'							28 1					
W. ENW	8	1 .	Bt.	25-1D 24-1D	)	3'									D.I. £	"3" A 1-45"	ElDOW	FCOTICE	ct to 36	(P)	14	2	rassrazd Lt.	System#1	1-6A 7-57			`34'	44'	Ł					\45 1	-45 E/	POU.			
	6:8	<del>)</del>	Rt.	23-1D 1-13M	1-12N	1. 4.				-	485				58	6"P. /-45"	Eltow	-connec	t to 36".	P.)/	14	2 .	Lt.	1-57 1-4D	1-41	<u> </u>	1/2'	/							73					
	6	-/-	Pt.	<u>22-14</u> 21-17	1	4'			-						D.I.L.	%F 1-30°	Elbous (7	Corne	t to 36"	P) / 1/	14	2	L+ 1	1-3D	*/ <i>-ク</i> か	) <b>†</b>	86				-				39 -					
	6'	1 13	Pt <	20-1D 19-17	oj l	3'									INCL. I	N VI-ca	nnect	to 36'	P) to 34" F		161	5 1	Lt.	Existing 15"CMP	1-/A	7	7/	1 22						7		'-45° E/	ל נענים			
CKED	8	1.	PH.	18-1T 17-1T	-	4'			1-						D.T. 2 5	6P 1-30 E	1600) (T-1	sonnect:	6.36'P)	) -  \]	16	5 1	russroad	2-110	y-277	1.	_	83° 42° 708°	1						47 -					
MVEYED OTTED MPLATE REAS	8' 8# 10'	7	et.	16-1D	)-11N	3				707					ME'C. I	N T-con	nect to	'annect 36"P.)	1036 P		16 1	5 1	`L+ 1	)-2TM >-3D	łY-47	1		47'							37	, -				
Z Z Z Z Z Z		7	Pt.	15-1A	7-10M	8,				307'	1				33	1-30°E	Ibow (Ta	connect	to 30 P.	57 - 17	161	.5 1	1/2.	3-1A . Y-4T .	ł`/57	- <del> </del>		48	76'				-		37 34 34 72					
SURVEY NOTE BOOK	100	<del>\( \)</del>	P. A	14-1A 1-11M	7-10M	1:				220'	, -			<del>                                     </del>	1200	) ł	- 1	- 1	1630" P.	// //	6 1	5	Lt.	Y-5T 1	5	28'	-		80'	<del> </del>		<u> </u>			772 -	T-Camara da	t to 24	" Post	1 -	
	10	. ソ イ	Pf	73-1A 1082+35	1	21						7			1 6	T(T-CO	necti	6 31"F	to 30°P)	\/	81	`5 1	'Lt. 1	Y-6T J-7T	17-87				121' 84'			\			88 -	Lonnes	7 10 64	7 1255		
	10'	- / - 化	`Rt (	12-1A 12: RCF	12-14	14				<del></del>				1	4	1(Fco	enect;	530"F	5) /	1 V		\5 .	Y + '	1111497	1	22' 8 40'						7			8 10	T-Compas	t to 21	Pipe		
	10#12		X24.	)/-/D	· 1-9M	3				383'	<del> </del>				1415				(0)	1	81	5 /	'Lt. /	1-8T	107102	23		-	141'					1	191	Connect	24" Pipe	into 6'x	2' Culv. E	xt.)-
	10	1 /	Pt	10-1D 9-1D	<del>                                     </del>	3'	·							1	DI.	N (T-c	onnect	to 30	(.م'(	17.	12	.7	111	VINTIADS	<i>J-37</i>	- 1			746'						91 (0 DI. 124P (	Connect of	24"Pipe to	4 Pipe	Culv. En	<u>/.) -</u>
	10/	7 1	Rt.	8·1D 7-1D	1	3'			-						D.E. & 3	OP (T-C	onnect	to 30	(a')	- 19	18	7	Lt. >	1-37 4-151	17-214	10	1		264	1					236	T. Conne:	t to 24'	Pisej		
	121	1 1	Pt. A	6-10	)-8M	22	•			293	-				39	1(T-c	onnect onnect	to 3	0'ρ.) -	12	その3	、クーオ	Lt. ~	1109+21 3-14		4		14'	1			1 1			INCL IN F	T. Conne	ect to 24	Pire,	<u>-</u>	
	12-		Rt.	5-1D 4-1D	ł	3				223					INCL. D.T. &	IN (T-C	onnect	to 3	0"p) -		201	7	1/4 >	2-2D	17-14	1 -	35'						+		16	,				
	12.	`//	101	12 12		\~ '	<u>, }</u>		1						D.I.	и 13gr (Т-с 13gr (Т-с	onhect	to 3	^ ا د.ه <sup>ی</sup> و	1/2	20 1 C	Culvert l Culvert l	ross road Tossroad	VIIZ+58,	3			76	1	k -		7 /2	* 1		35 1	0º 54	رير			
	12/	7	Rt.	Z-1D Z-8M	1-74	3'			73'					1	92	8 (T-0	onhect	to 3	(p.)						Total	5 525	1306	12/47	1643	1203	1383	375	1777	1212	16869					
	12614				Y-6A Y-5A Y-4T				144	1 -				1	92	3 7	_				_											_	1							
	14/	/ /	Kt. 1	1-47	1 <i>Y-3D</i>	1	97		191'	1-			-!-		218	3 /	-					$= \exists$				+	<del>                                     </del>													
	14	7/	<i>1</i> 2/ x	120)	K / /7	X \ ~.	,		+						43 23	3												1" M	WRF	TE 5	YDFWZ	W KS								
	781	666	Rt. 1 Rt. 1	1-1D .	7-2D	1 56	,	$\dashv$									(1011.0	. / 4	2'Colv. Ext							<b>-</b>		Loc.	Lergth	Width	Conc.			ļ.,						
	1 1 10 1	$\sim 0.1$	Rf. < Rf. <	1071083	2-1D Existing 15"Oay Pip	14	1	,			-			1/1	3	Conne	ect ver. ect ver.	into 6'	(2'Curvit	Ext.)						on to.			۷ .				Rema							
	4	$\rightarrow$ 1	PH 1	73-17	7-9T	2			739'					7	D.T. S	30F (T-	Conne	ct to	30"P)					112	VAR. 1	75 - 105 75.9-100	et 1 <i>8</i> 29	25' Rt. Var. Lt.	17,	4.				d. wheel I. Wheelcl	chair ramp					
CKED	4	<u>4</u>	Lt 1	1-9T	1-8D 1-7D	1		62'	1/39	1			7}		140	31		_			_			12	1087+ 1087+	53-108 75-108 02.9-108	7461 - 7483 <sup>L</sup>	Match Exist Lt. Match Exist Lt	3.1	4.	3.60	Lt. Rte.	150	-	+		$\rightarrow$			
JRVF D	4	41	Z+ <1	/ごクカ・	1 たんか	1.		\96' \232'							102	3 +	-		-					112	10881	02.9-10	9+169	Match Exist Lt.	25'	4'	11.11	Lt. Rte.	160							
) EF 4	4.6	4	Z7 X	1-6D	7-50	, G,	1	147	,						122	1-45%	Thow(1	Connec	t to 13"1	o) -				14	1092+	25.3-10	92+30.3	23.57	5.	4'	2.0	Lf. Pile. 10	20	1			-	-		
		>4 L	`/ + 1	· 2.11.	J.	`'	1	150	_	-					1113	IN T-Can	111111111111111111111111111111111111111	19110)	_			-		. 1/1 ~	11/10034	531-9	4126	1V-2- 1+	1618	1 11	279	1100	(k 1 - 124 /	Gulf St. (	In When	11-211-1	3/r.p.			
类	6231	4	Lt. 1	1-3D	17-2D	1	189	3 /							1/23	, +	near 10	10,1.)						14 ~	9+45	7 1094	1477	Var. Lt.	32.5	Var.	21.8	Lt. Rite. K	160-1-1-Ga	our St.	Inc Wheelch	air ram	) -			
		4	L+ >	2-1A 1-2D	7-132	5.		_							MCL. II D.J.	(T-Con	nest to	15'P)	-			_		14 ×	10+64	:) - 189. 195-10	4+90.7 97+00	Var. Pit Match Exist, Rt	5'	4'-	2.0	Kt. Kte. k Rt. Rte.	10-11:0	ur St(I)	ial Wheelche	air ram,	p) ^			
	10	3 / B	235/22	1-11M	1-9M 1-8D	, -			44'						MEL. I	+								16 1	1098 9+3	4-9	435 - 470 -	Exist. Rt	36.1	1 4'	16.2	Rt. Rte. I Rt. Bro.	Siwa 1	Traid va	J. St. (Included Wheel Check the Wheel Check the Check t	dieelens	(10) -	)		
	10	3	Lt	7-4A 7-80	]	3		142							74 IMEL .	/N -								16 ×	1102	+83		match Exis	6.1	4'	2.7	Lt. Pite.	160 (In	XI When	hair rai	m; ) ) †				
	101	3	L+.	7-20	1-70	1	1	246	<del>                                     </del>						INCL.	6								11/6	1100 1	185		bt 35' P.+	.1 6	4	1 < 1	עדר. הדפ.	100(1"	A. Witeel	175751 68 1					
	10 \$ 12		14.	1-60	7-61 7-51	2		126	1	_				l i	90	<u>a</u> t								1/8	11081	+67.5°		Match Exis	t 122"	4'	2.7-	Rt. Rte.	NOCITA	Wice	hair ran					
																	+					_		· `& ′	1075	+71-107. 186.8-10	3 +46.5	122'4	275.5	5 4'	122.44	Lt 9/2	160-							
		$ \perp$			l	1								1	+					$\overline{}$				10	10021	2012-10	54743.6	KG Lt	156.8	4	412.40	1	4 /200	-			!			

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## **SUMMARY OF QUANTITIES**

FINAL PLANS

		Anne se de la company de la co
MO.	108 NO. 7-P-160-334	SHEET NO.
	PROJECT NO. 7-P-160-334	ROUTE
7	COUNTY BARTON	160

SHEET \_5 OF 5

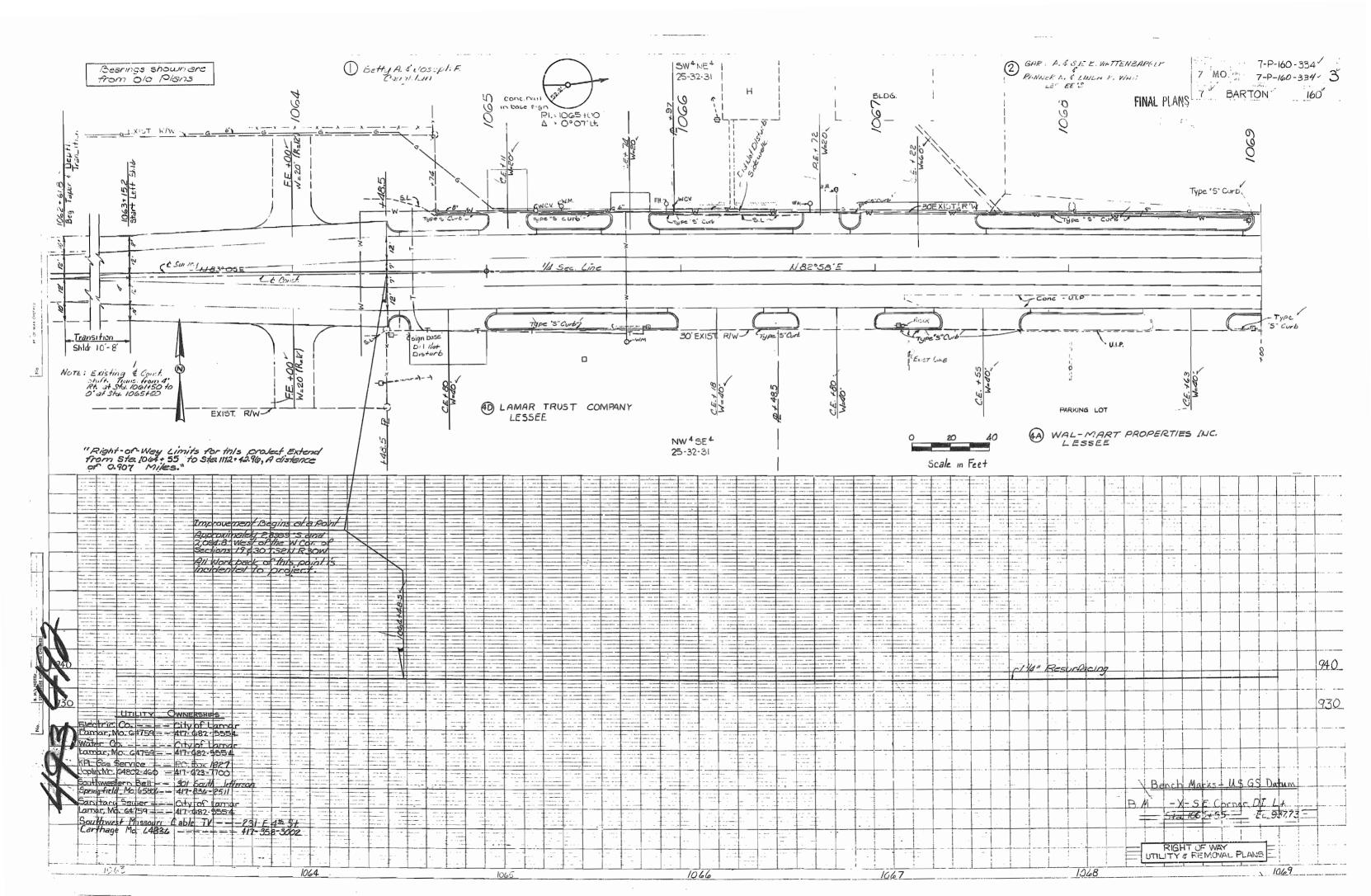
SIGN	SIZE	AREA	QTY	TOTAL AREA	RELOC.	TOTAL RELOC. AREA (SQ FT)	DESCRIPTION
		لنحصنا			WAR	NING SIG	NS
WO1-116	48x48	16.0	<u> </u>				TURN (SYMBOL LEFT ARROW)
WO1-1Rb	48×46	16.0					TURN (SYMBOL RIGHT ARROW)
WO1-2Lb	48x48	16.0					CURVE (SYMBOL LEFT ARROW)
WO1-2Rb	48×48	16.0	•				CURVE SYMBOL RIGHT ARROW)
WO1-3Rb	48x48 48x48	16.0 16.0					REVERSE TURN (SYMBOL LEFT ARROW)
WO1-4Lb	48x48	16.0					REVERSE TURN (SYMBOL RIGHT ARROW) REVERSE CURVE (SYMBOL LEFT ARROW)
WO1-41.b2	48x48	16.0					DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS)
WO1-4Rb	48x48	16.0		•			REVERSE CURVE SYMBOL RIGHT ARROW
WO1-4Rb2	48x48	16.0					DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROW
WO1-6	48×24	8.0					HORIZONTAL ARROW (SYMBOL)
WO1-6a	72x36	18.0					HORIZONTAL ARROW (SYMBOL)
WO1-7	48×24	8.0					DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO1-7a WO1-8	72x36	18.0					DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
WO3-1b	18x24 48x48	3.0 16.0					CHEVRON (SYMBOL)
WO3-2b	48x48	16.0					STOP AHEAD YIELD AHEAD
WO3-3b	48x48	16.0					SIGNAL AHEAD (SYMBOL)
WO3-4b	48×48	16.0					BE PREPARED TO STOP
WO4-1Lb	48x48	16.0					MERGE (SYMBOL FROM LEFT)
WO4-1Rb	48x48	16.0					MERGE (SYMBOL FROM RIGHT)
WO5-1a	48x48	16.0					ROAD NARROWS
WO5-3a	48x48	16.0					ONE LANE BRIDGE
WO6-1b WO6-2b	48x48	16.0		· -			DIVIDED HIGHWAY
WO6-2B	48x48 48x48	16.0 16.0					DIVIDED HIGHWAY ENDS
WO6-3x	24x18	3.0		\			TWO WAY TRAFFIC (SYMBOL)
WO8-1b	/ 48x48	16.0	8	128	/		TWO WAY TRAFFIC (PLAQUE)  BUMP
WO8-2b	48×48	16.0		720			DIP
WO8-3	48x48	16.0					PAVEMENT ENDS
WO8-4b	48×48	16.0					SOFT SHOULDER
WO8-5b	48x48	16.0					SLIPPERY WHEN WET (SYMBOL)
WO8-6b WO8-6c	48x48	16.0					TRUCK CROSSING
WO8-6c WO8-7a	48x48 36x36	16.0 9.0					TRUCK ENT. (Includes 1000 FT./1500 FT. plate W025-1a)
WO8-9	48x48	16.0					LOOSE GRAVEL
WO8-9La	48x48	16.0				· ·	LINEVEN PAVEMENT (SYMPOL L. LEET PROPOSE)
WO8-9Ra	48x48	16.0					UNEVEN PAVEMENT (SYMBOL F
WO9-1R	48×48	16.0					RIGHT LANE ENDS (Includes LEFT/CENTER plate WO25-3c)
WO9-2Ra	48×48	16.0					LANE ENDS MERGE RIGHT (Includes LEFT plate WO25-3b)
W10-1a	42 Dia.	9.6					RAILROAD CROSSING
WO12-1	24x24	4.0					DOUBLE DOWN ARROW (SYMBOL)
WO12-2a WO12-2x	48x48 24x18	16.0	-				LOW CLEARANCE (SYMBOL)
WO12-2x	144x24	3.0 24.0					LOW CLEARANCE (PLAQUE)
WO13-1a	24x24	4.0	$\overline{}$				OVERHEAD LOW CLEARANCE (FEET AND INCHES)
WO20-1	48x48	16.0	6	96		_	ADVISORY SPEED (PLAQUE) ROAD CONST. AHEAD (Incl. RAMP/BRIDGE plate WO25-6)
WO20-2	48×48	16.0		1.52			DETOUR AHEAD (Includes 500 FT./1000 FT. plate WO25-1b
WO20-3	48×48	16.0	$\sim$			j — —	RD. CLOSED AHEAD (Incl. 500 FT./1000 FT. plate WO25-16
WO20-4a	48×48	16.0	4	64	/		ONE LN. RD. AHD (Incl. 1000 FT./1500 FT. plate WO25-10
WO20-5	48×48	16.0					RT. LN. CLOSED AHEAD (Incl. LEFT/CENTER plote WO25-3
WO20-6a WO20-7a	48x48	16.0	4	1	<del>/</del>	· ·	RIGHT LANE CLOSED (Incl. LEFT/CENTER plate WO25-3c)
WO20-78	48x48 36x18	16.0 <sup>^</sup>	4	64			FLAGMAN AHEAD (Incl. 500 FT./1000 FT. plate WO25-1b)
WO20-9c	48x48	16.0	7	112	· —	-	WORKERS AHEAD
WO21-2b	48x48	16.0	\ \ \	112	<del>                                     </del>		OPEN TRENCH
WO21-5b	48x48	16.0	2	32	<del> </del>		FRESH OIL SHOULDER WORK AHEAD
WO21-7	36x36	9.0					SAND BLASTING
WO22-1	48×48	16.0					BLASTING ZONE 1000 FT.
WO22-2	42×36	10.5					TURN OFF 2-WAY RADIO
WO22-3	42x36	10.5					END BLASTING ZONE
WO25-1a WO25-1b	26x9						1000 FT./1500 FT. Plate
WO25-16	38x9 34x9				-		500 FT./1000 FT. Plote
WO25-3b	30x9		<del></del>		<del> </del>		500 FT./1000 FT. Plote
WO25-3c	33x9				<del> </del>		LEFT Plate
	- JOA/	1			1		I FET/CENITED Plate

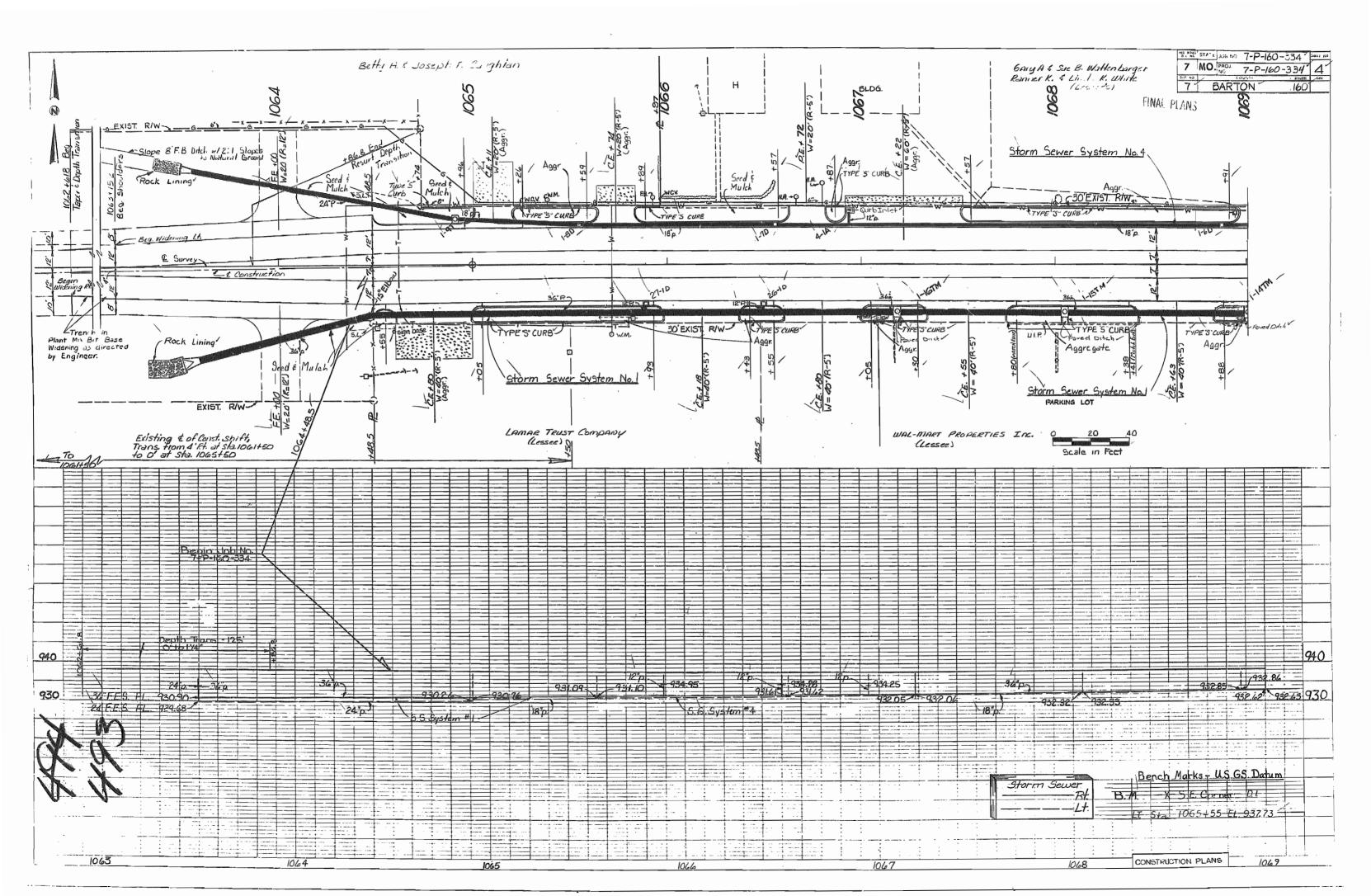
SIGN	SIZE (INS)	AREA (SQ FT)	QTY	TOTAL AREA (SQ FT)	RELOC.	TOTAL RELOC. AREA (SQ FT)	DESCRIPTION
WO25-3d	22x9					(0011)	LEFT/CENTER Plate
WO25-5	30x12	2.5					1/2 MILE/1 MILE (PLAQUE)
W025-6	28x9						RAMP/BRIDGE Plate
					REGUL	ATORY SI	GNS
R1-1b	48x48	13.25					STOP
R1-2a	43×48×48	6.93					YIELD
R1-3	20x9	1.25					4-WAY (PLAQUE)
R1-5	20x9	1.25	1	1-0	L		3-WAY (PLAQUE)
R2-1b 1	36x48 36x48	12.0	16	72			SPEED LIMIT XX 4 at 20 2 at 30
R3-1b	36x48	12.0					REDUCED SPEED AHEAD
R3-2b	36x48	12.0				_	NO RIGHT TURN
R3-3a	36x36	9.0					NO LEFT TURN NO TURNS
R3-4b	36x48	12.0					NO U-TURN
R3-7L	30x30	6.25		-			LEFT LANE MUST TURN LEFT
R3-7R	30×30	6.25					RIGHT LANE MUST TURN RIGHT
R4-1b	36×48	12.0					DO NOT PASS
R4-2b	36x48	12.0					PASS WITH CARE
R4-7Lb	36x48	12.0					KEEP LEFT (HORIZONTAL ARROW)
R4-7Rb	36x48	12.0					KEEP RIGHT (HORIZONTAL ARROW)
R4-17L R4-17R	36x36 36x36	9.0					KEEP LEFT .
R5-1	30x36	9.0					KEEP RIGHT
R5-1a	36x24	6.25	$\overline{}$				DO NOT ENTER
R6-1La	48x18	6.0				<b>-</b>	WRONG WAY
R6-1Ra	48x18	6.0					ONE WAY ARROW (LEFT) ONE WAY ARROW (RIGHT)
R6-2La	24×30	5.0					ONE WAY (LEFT)
R6-2Ra	24x30	5.0					ONE WAY (RIGHT)
R11-2	48x30	10.0					ROAD CLOSED
R11-3	60×30	12.5					ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60x30	12.5					ROAD CLOSED TO THRU TRAFFIC
R12-3b	36x36	9.0					TO ONCOMING TRAFFIC (PLAQUE)
R20-1	36x18	4.5					WHEN FLASHING
					GU	IDE SIGN	<u> </u>
GO20-1	60x36	15.0	\	·\	,		ROAD CONSTRUCTION NEXT XX MILES
GO20-2 / MO4-8a	60x24 30x15	10.0	121	120-1			END CONSTRUCTION
MO4-9L	48x36	3.13 12.0					DETOUR (PLAQUE)
MO4-9R	48x36	12.0		_	_		DETOUR (RIGHT ARROW) DETOUR (RIGHT ARROW)
MO4-10L	48×18	6.0					DETOUR (ARROW LEFT)
MO4-10R	48x18	6.0	i				DETOUR (ARROW RIGHT)
MO4-11	24x18	3.0					DETOUR ENDS
M5-1L	21x15	2.19					ADVANCE LEFT TURN ARROW
M5-1R	21x15	2.19					ADVANCE RIGHT TURN ARROW
					MISCELL	ANEOUS !	SIGNS
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616-10.0	S SUCTION			3881			
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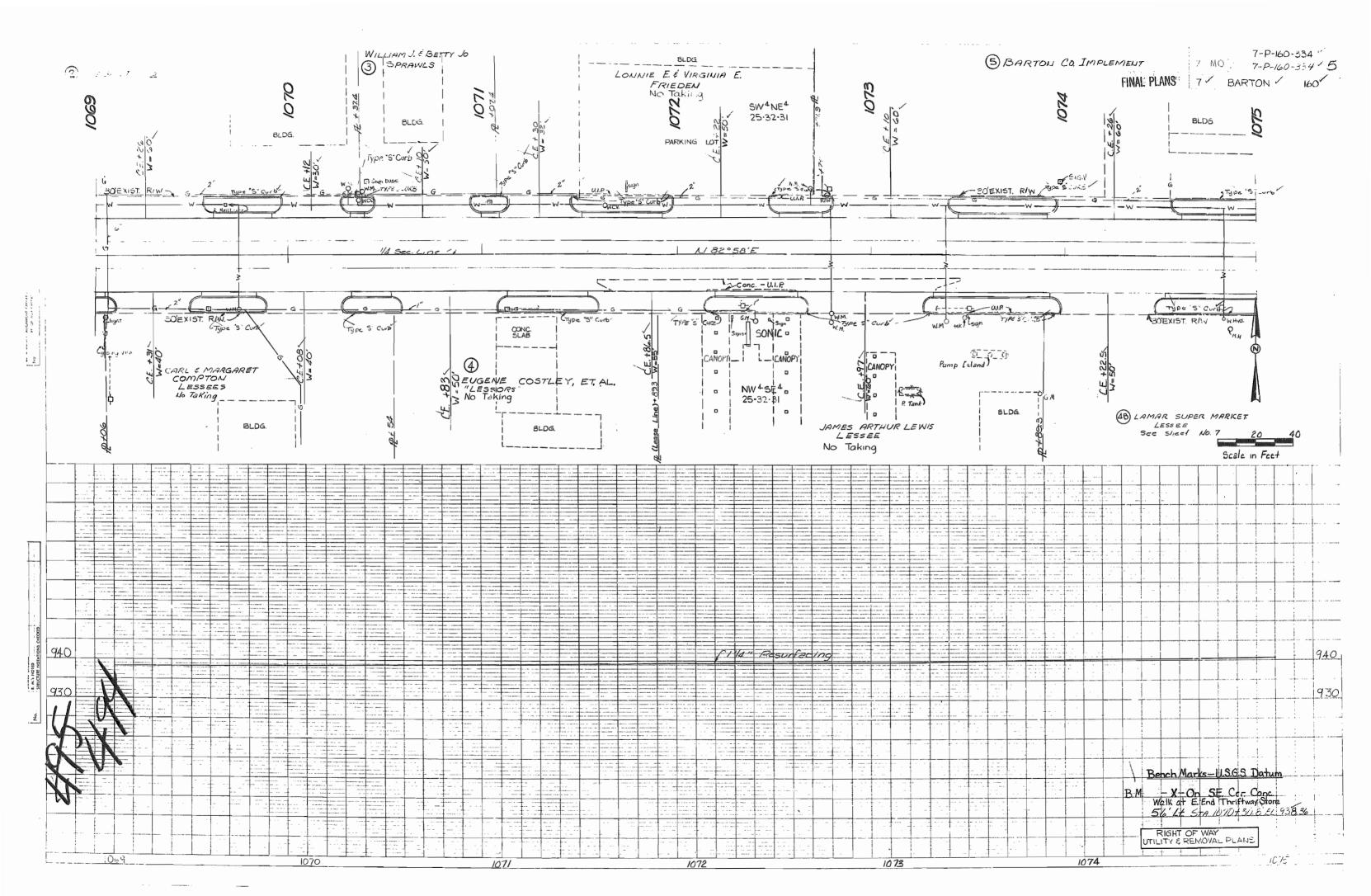
RELOCATED SIGNS TOTAL

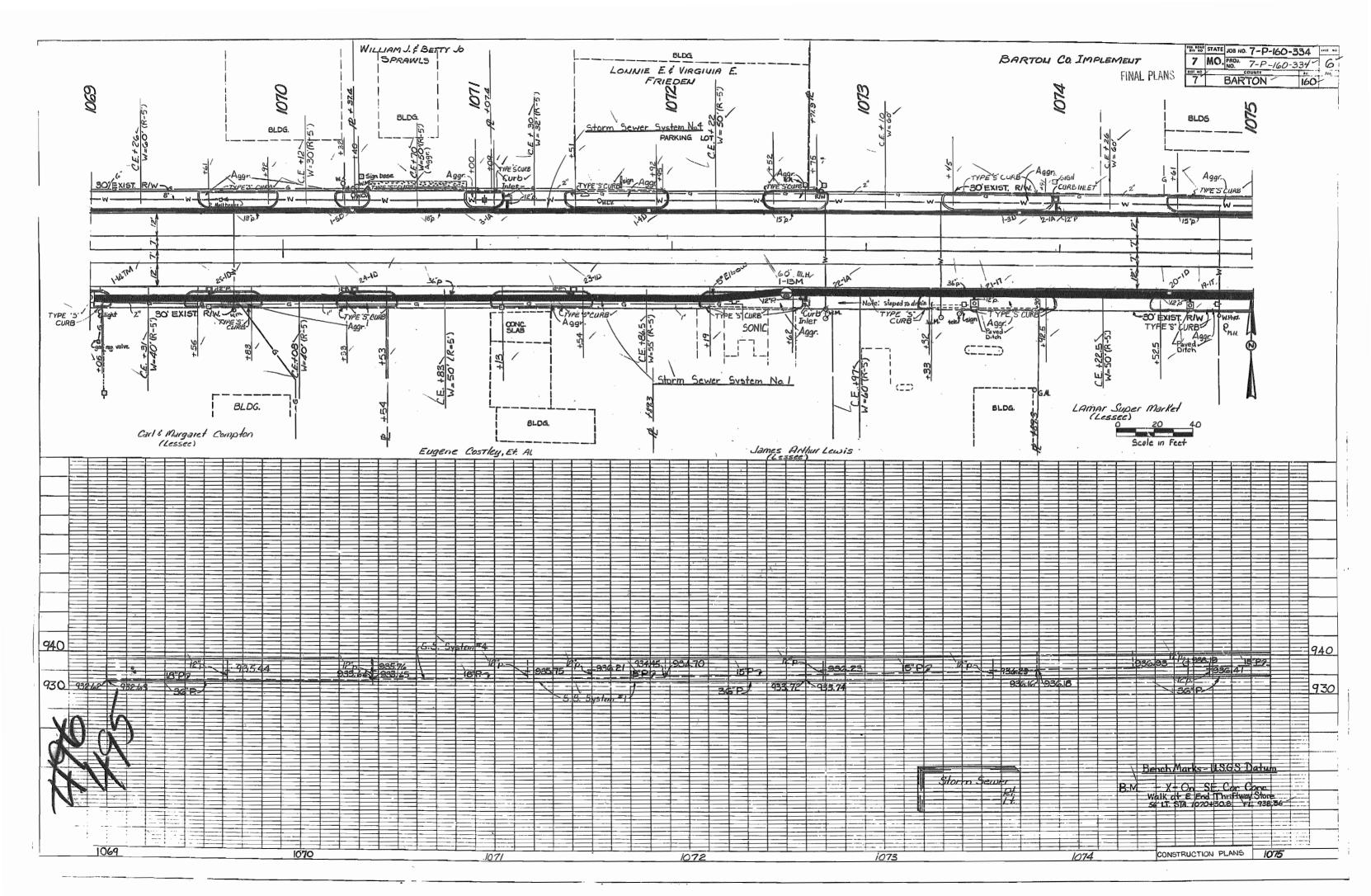
ITEM NO.	SIZE	TOTAL QTY.	DESCRIPTION
616-10.20	36x18	228	CHANNELIZER (DRUM)
616-10.35	8x24		TYPE I BARRICADE (One Rails)
616-10.36	8x24		TYPE II BARRICADE (Two Rails)
616-10.40	36x72		FLASHING ARROW PANEL
616-10.45	18X18		TYPE I OBJECT MARKER
616-10.46	6x12		TYPE II OBJECT MARKER
616-10.47			TYPE III OBJECT MARKER
616-10.50	8		FLASHING ELECTRIC LIGHT
616-10.51			WARNING LIGHT TYPE A
616-10.52			WARNING LIGHT TYPE B
616-10.53			WARNING LIGHT TYPE C
616.10.54			STROBE LIGHT
616-10.60			RAISED PAVEMENT MARKER
616-10.70	28		FLEXIBLE DELINEATOR
612-10.30	72×144		MOVABLE BARRICADE (Three Rails)



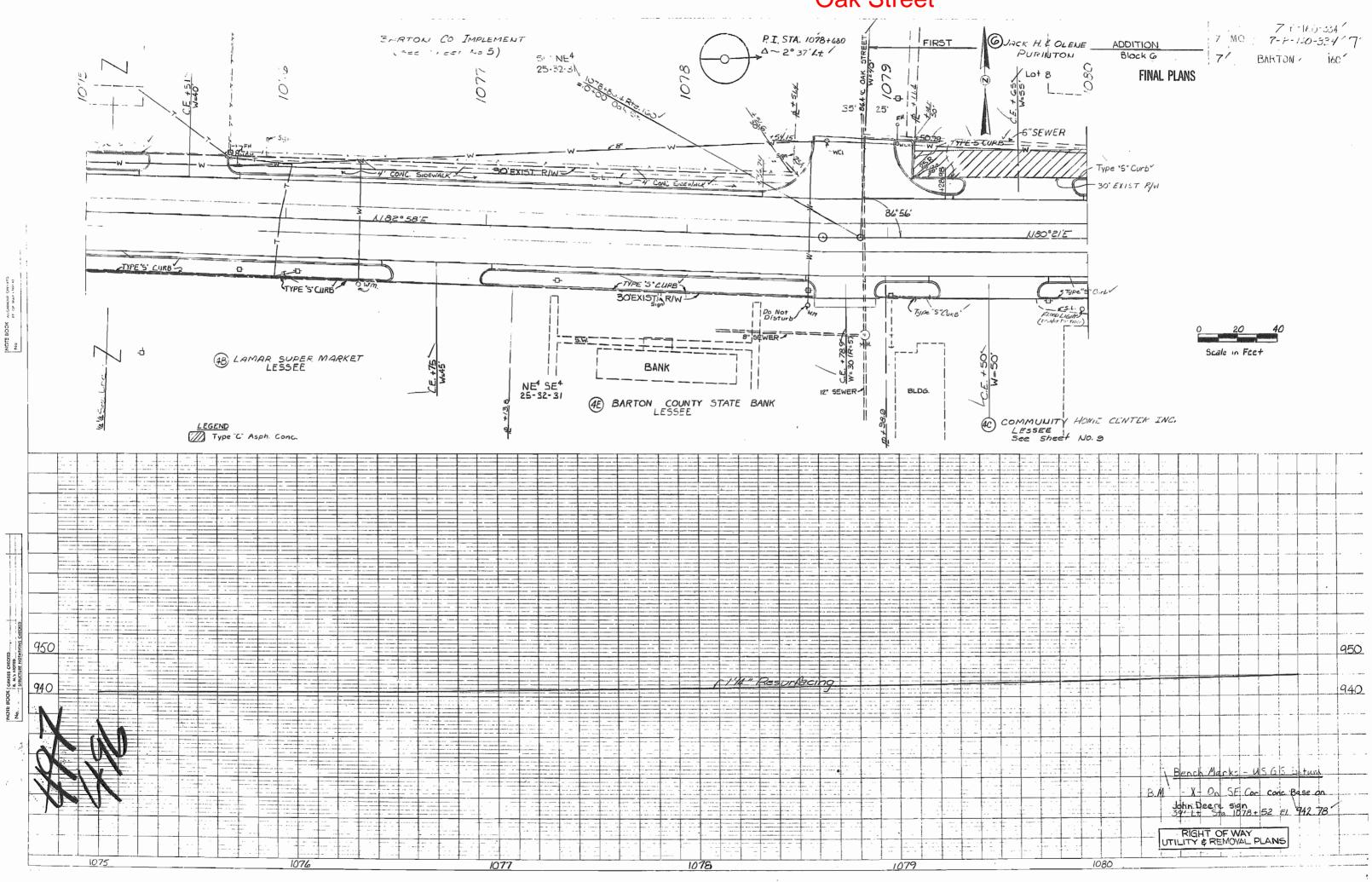


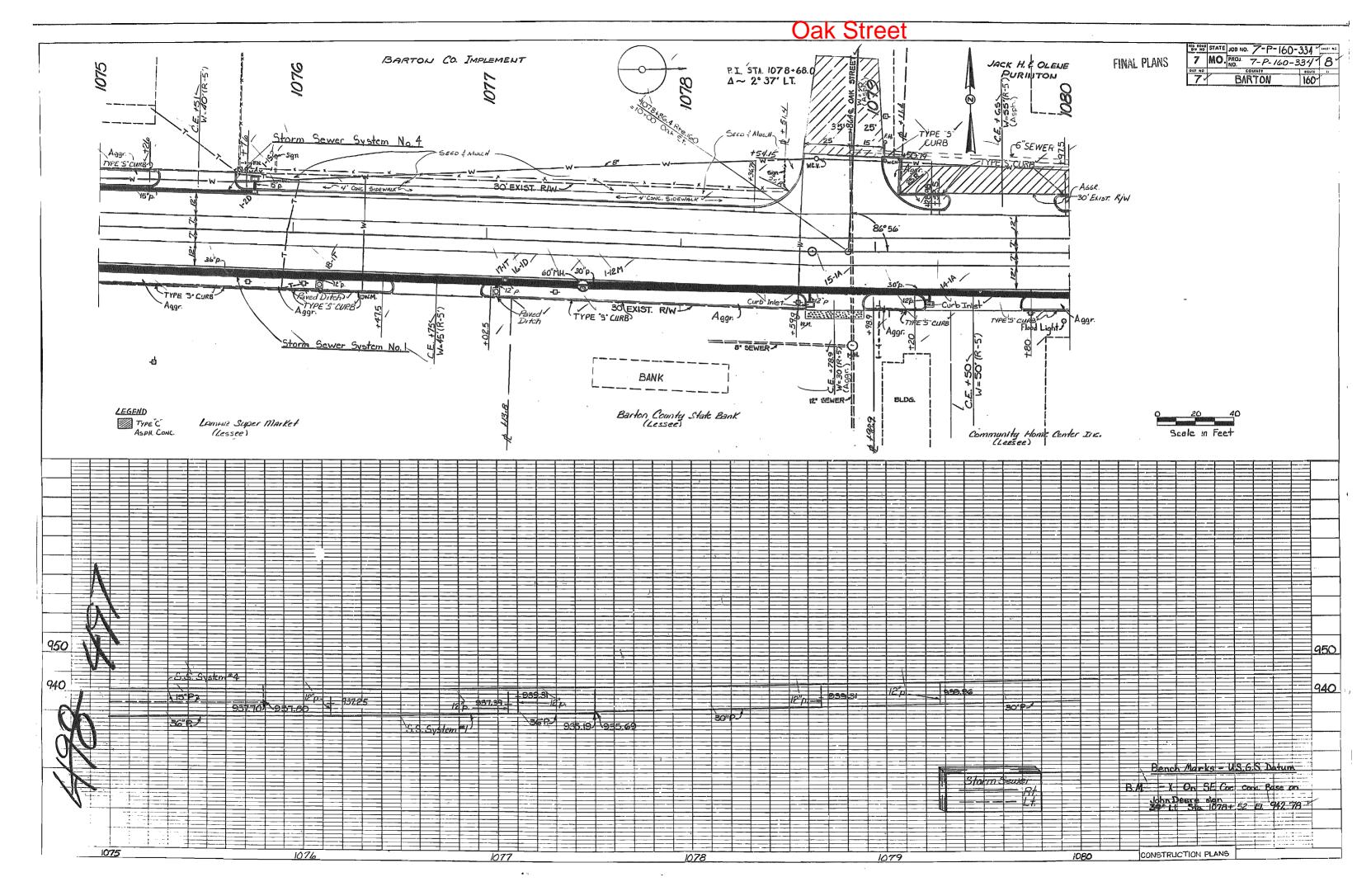






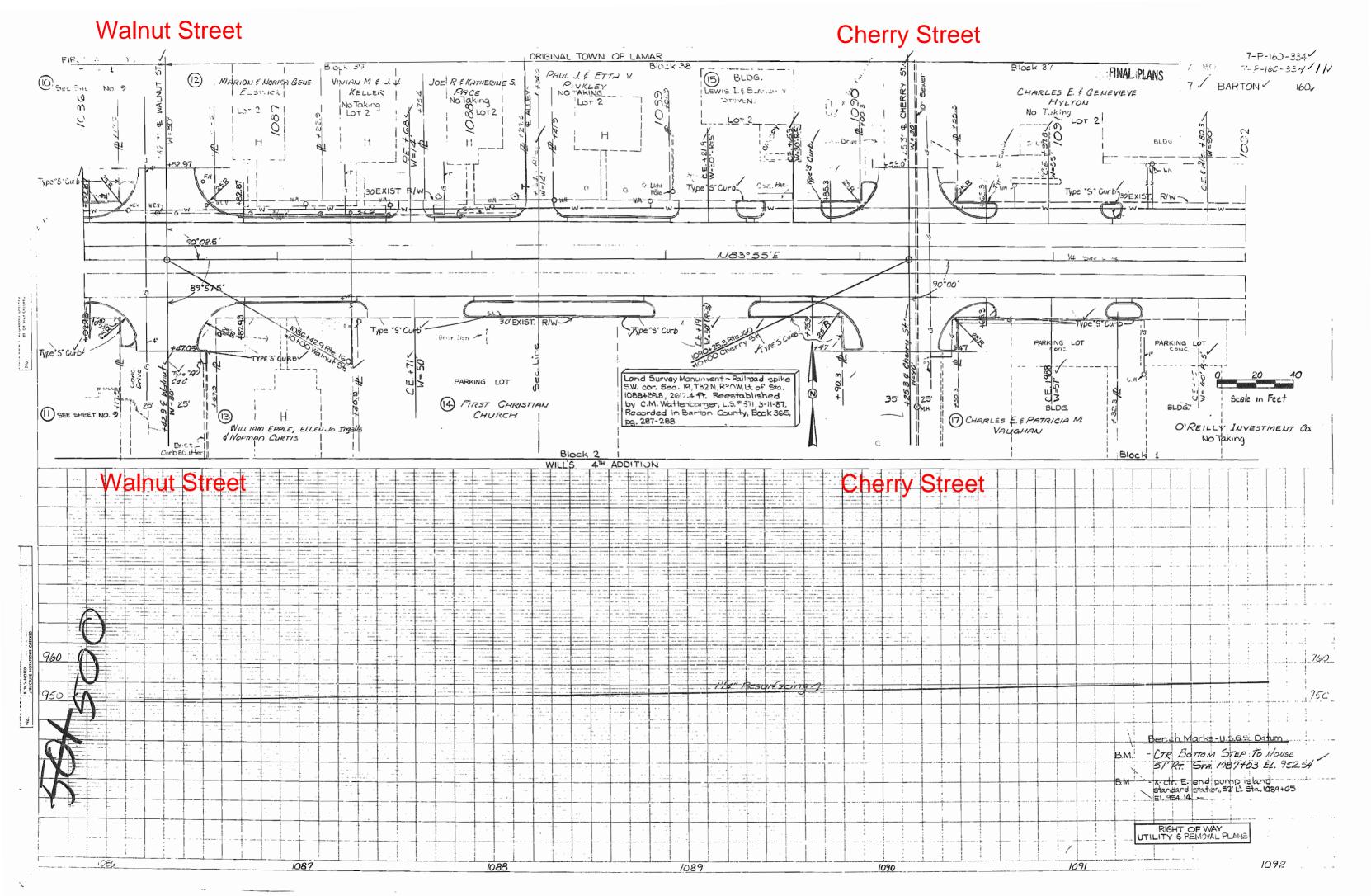
Oak Street

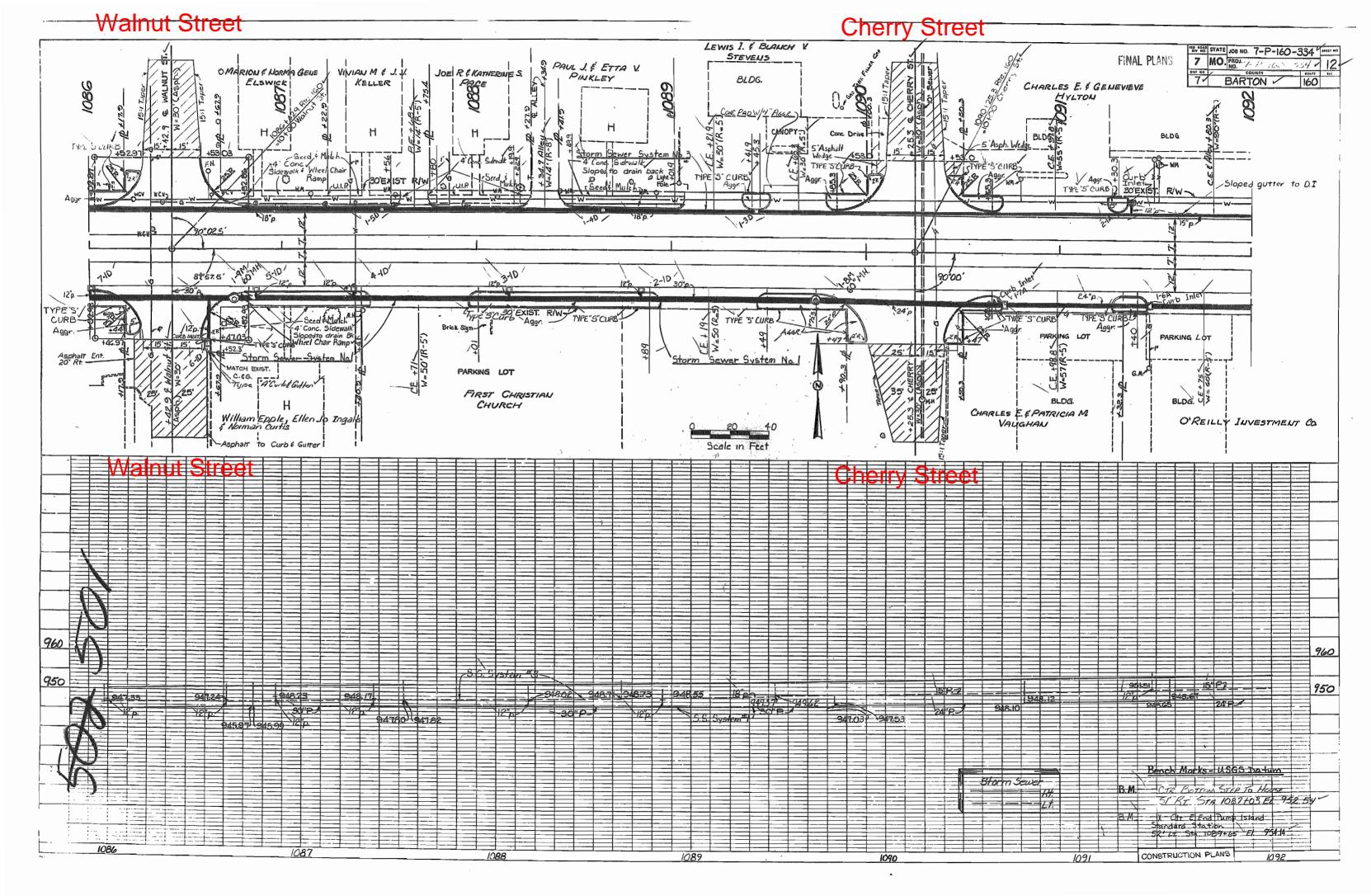


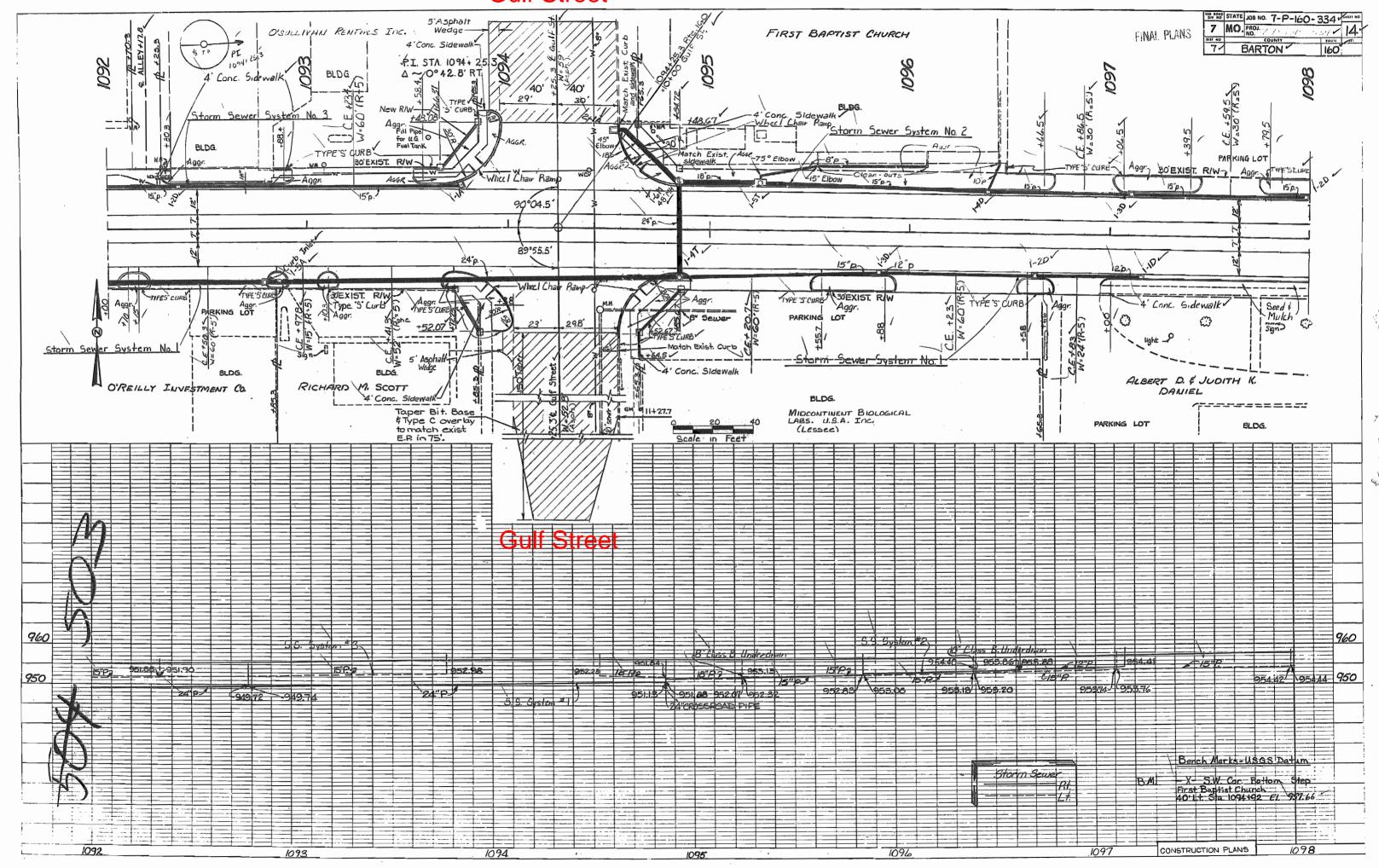


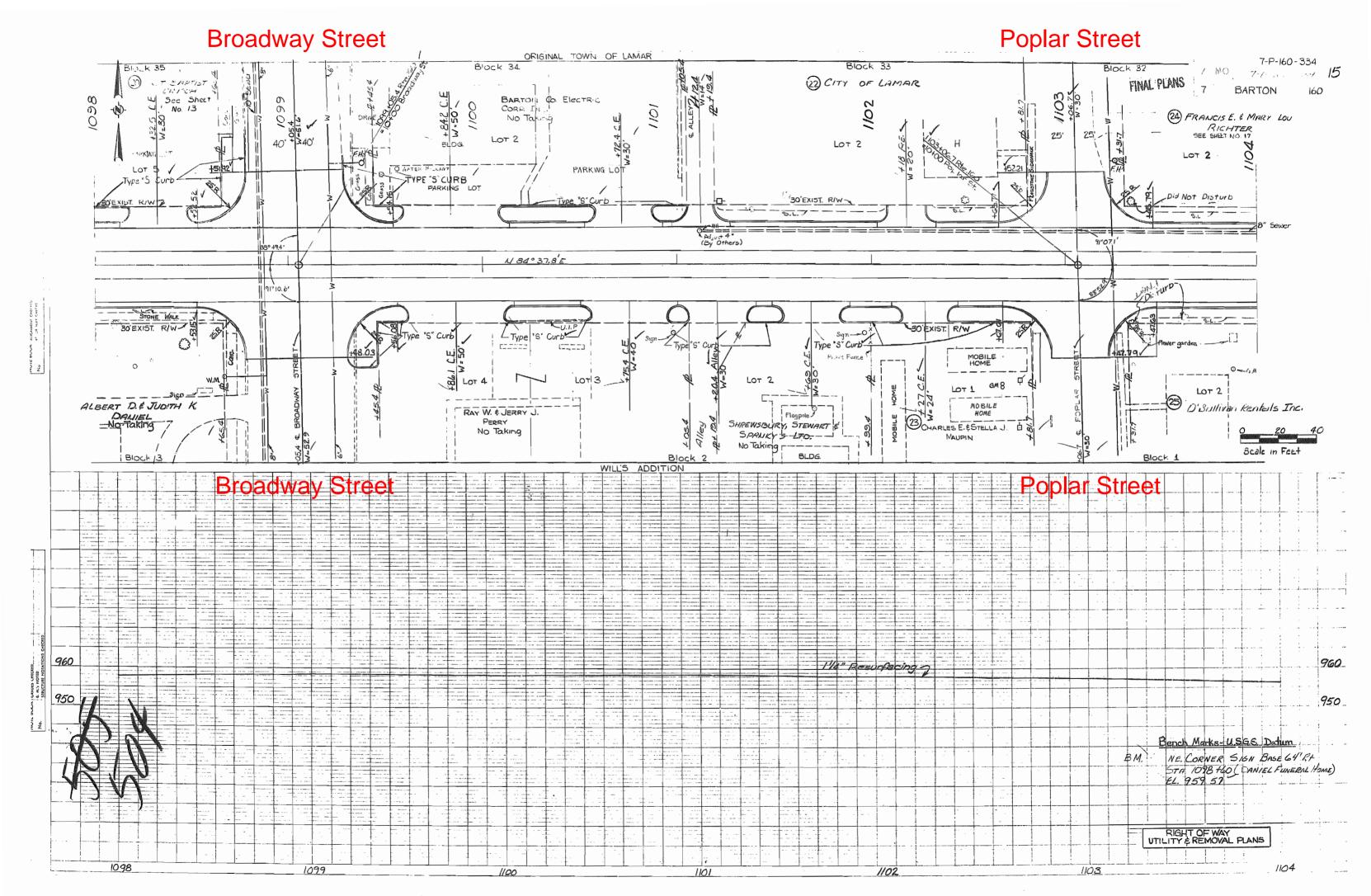
Maple Street DJ, IC. H & OLFUT
PURILITON
SEE THEFT NO 7
O FOR A P.I. STA. 1082+82.0. A-3°34' RT. Block 6 7-P-160-334 9 FINAL PLANS 8 POT'ER PLUMBING & HEATING INC. M. F.A. PETROLEUM CO. н 1084 DIAMES FORTHER OIL CO. INC. 1082 To Taking 1086 25 Type "5' Cyrb 16 €;; -) EXIST RIW  $\mathfrak{S}$ 93°45.1 1/83°55'A e6°.33.5 Type "5" Curby Type "5 curb 30 EXIST. R/W Filled to Drain Sign O Flood Light Filledto Drain Type "5" Curb %E +43° ₩=50° +45.63 UT PARKING LOT BLDG 40 COMMUNITY HOME CENTER INC. BLDG) Lessee SLAB MARILYN S. REID BOBBY R. & JOYCE DU Suggs NE4 SE4 HOWARD & ELVERA SCARBERRY NO TAKING 25.32.31 BLDG. LOT 8 Lot 8 125 25 Type C' Asph. Conc. LOT 1 WILL'S ADDITION 950 950 940 740 Blench Marks - USBS Datum X-Cot & End Pump Island at 57' Lt. Sta 1081+75 El. 946.28 RIGHT OF WAY UTILITY & REMOVAL PLANS 1086 1081 1082 1083 1084

**Maple Street** 7 MO. PROJ. 7-P-160-334 10: P.I. STA. 1082 + 82.0 \$\Delta = 3\circ 34' RT. \quad 25' FINAL PLANS JACK H. & OLENE POTTER PLUMBING & HEATING INC BLDG BARTON PURILITON M.FA. PETROLEUM Co. JAMES FORTHER OIL CO INC BLDG 085 886 Storm Sewer System No.3 BLDG 082+58.6 Rtc.160/ 30 EXIST RIW €3 SIDEWALK ON Seed & Mulch 12"P 12"P. O-W.M. 93,45.1 10 NI8"P. V18'p. 1-11M 86°33.5 1-10M 60"MH-60"MH. 30"p. 30 EXIST. RIW-Aggr. Bricant TYPE'S CURB 12' Flared End Section PARKING LOT BLDG Storm Sewer System No. 1 SLAB BLDG. Community Home Center Inc. BOBBY R. & JOYCE D. Howard & Elvera Scarberry John R. & Marilyn S. Reid Suggs Scale in Feet 950 950 94641 94443 940 30 PJ 940 12" 945.23 945.25 942.41 942.44 Bench Marks-USGS. Datum Storm Sewer - X-Cnt. F Ford Pump Island al Conv. Store 57' 11. Sto. 1081+75 El. 946.28 CONSTRUCTION PLANS 1080 1086 1085 1083 1084

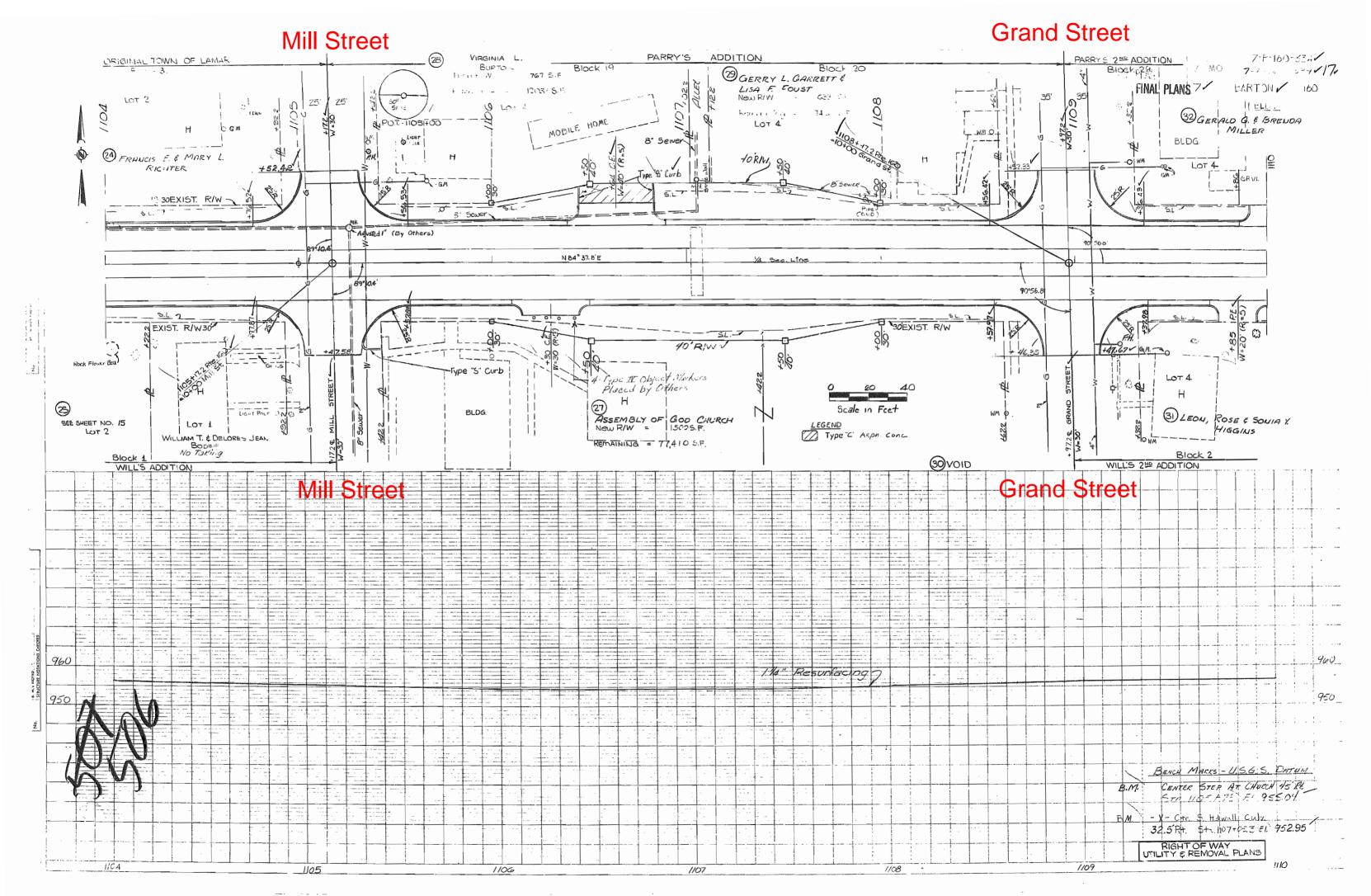


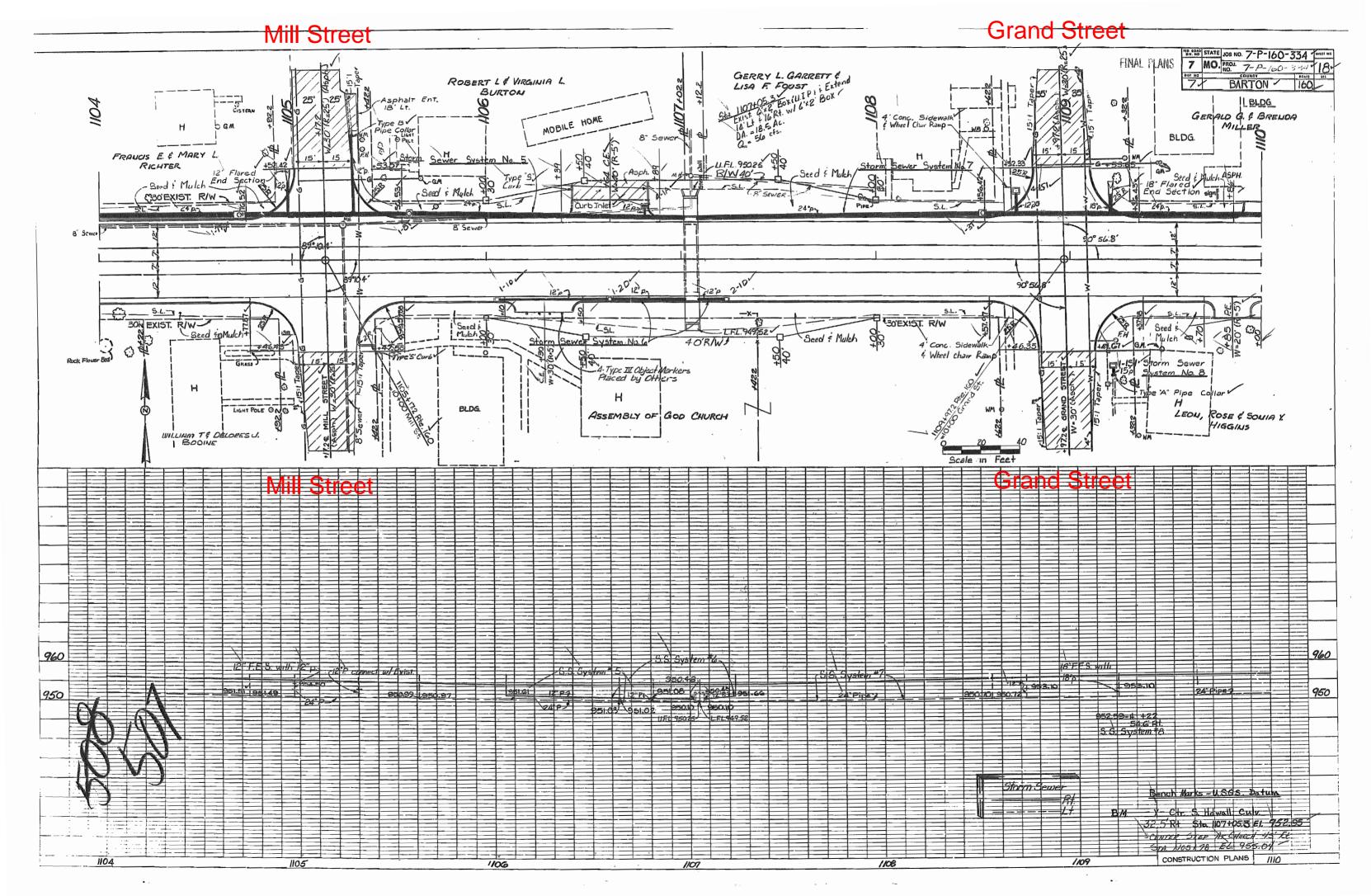


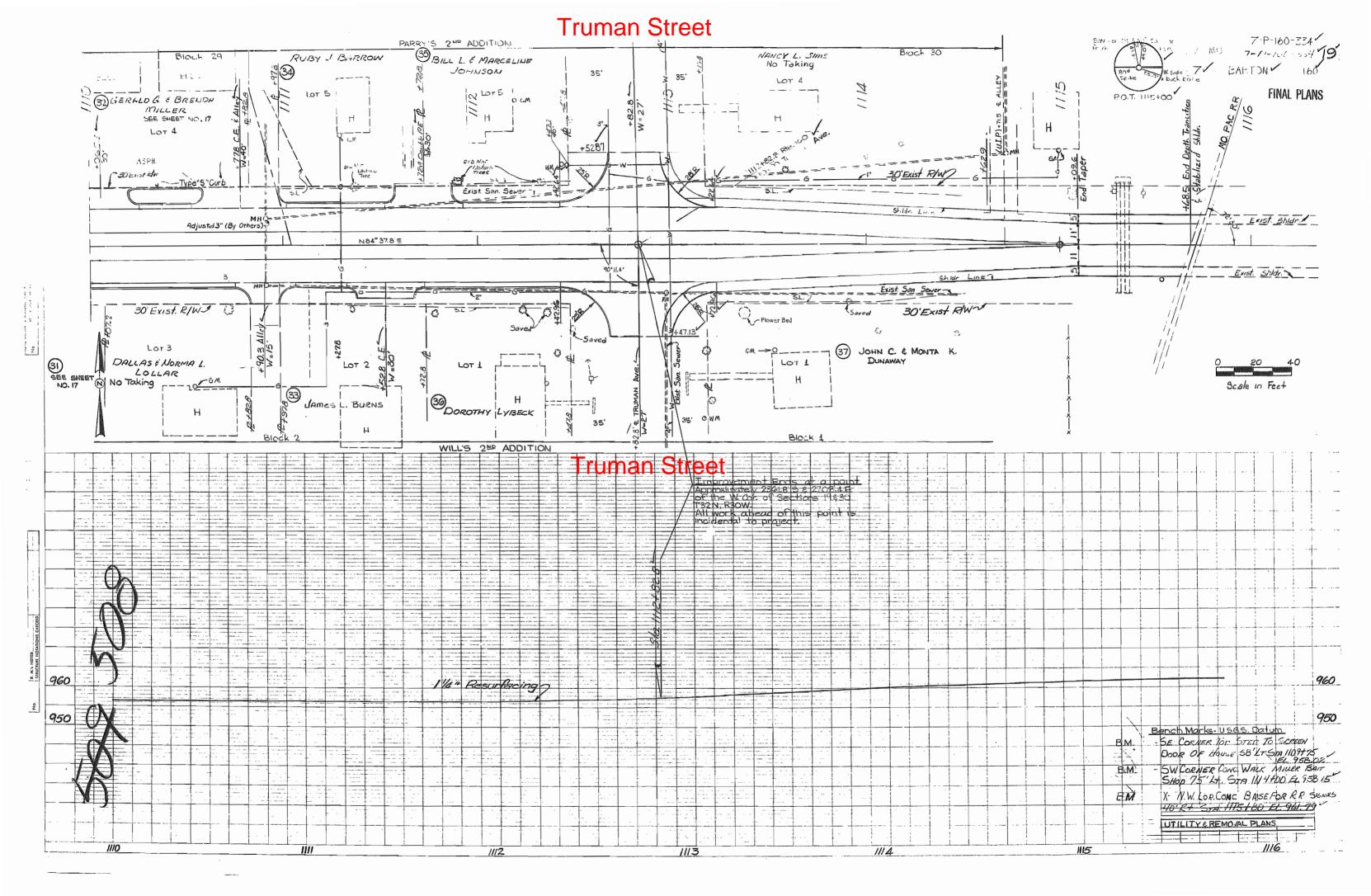




**Broadway Street** Poplar Street DE NO. 7-P-160-334 FIRST BAPTIST CHURCH BARTON CO. ELECTRIC COR INC. FINAL PLANS 7 MO. PROJ. CITY OF LAMAR BARTON Asphalt Ent. 8601 FRANCIS E. & MARY LOU 12" Flared End Section PARKING LOT A Seed & Mulch 88°52.9 9184 TYPE "S" CURB! SO'EXIST. RIW TYPE'S CURB SIGN 30'EXIST RIV Wheel Chair Ramp & 4 Conc. Sidewalk ALBERT D. & JUDITH K. DAUIEL SHREWSBURY, STEWART SPANKY 5-LFO. O'Sullivan Rentals Inc. RAY W. & JERRY J. CHARLES E & STELLA J. PERRY 960 950 1098 CONSTRUCTION PLANS 1104 1099 1100 1102







**Truman Street** 7 MO. ROJ. 7-P-160-334 200 NO. 7-P-160-334 200 NO. 7-P-160-334 200 NO. 7-P-160-334 200 NO. 7-P-160-334 NO. 7-P-160-354 NO. 7-P FINAL PLANS RUBY J. BARROW NANCY L. SIMS BILL L. & MARCELINE BARTON V JOHNSON BLDG GERALD G. & BRENDA MILLER & Exist San Sewe Shidr. Lines Exist Shide Exist. Shidr. Shidr. Lines S.L Seed & Millich - Co -Seed & Mulch Seed & Mulch -4-Type II Object Markers Placed by Others -5' Earth Shoulder G JOHN C. & MONTA K. DUNAWAY DALLAS É NORMA L. LOLLAR 70 FGM. James L. Burns DOROTHY LYBECK 950 W. CORNER CONG. WALKMILLER BAIT, X-NW Con Conc base for RR 5 and 40' Rt Sto. 1115+80 EN 961.79 BM. CONSTRUCTION PLANS IIIO

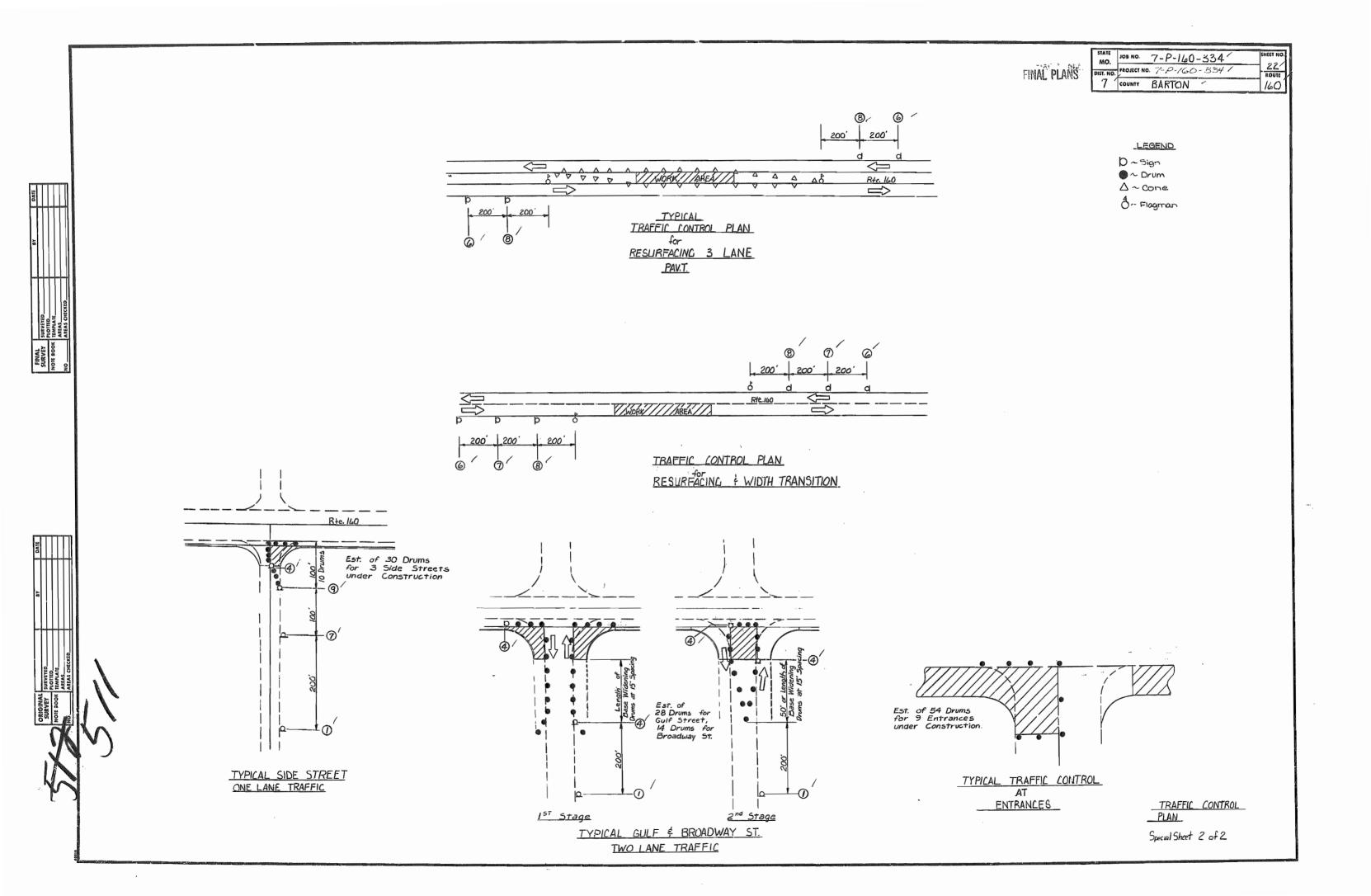
21 PROJECT NO. 7-P-160-334 FINAL PLANS BARTON / SPEED LIMIT 30 OPEN TRENCH SPEED LIMIT 20 SHOULDER FLAGMA LANE ROAD AHEAD CONSTRUCTION END CONSTRUCTION BUMP WORK AHEAD AHEAD, LEGEND TRAFFIL W020-1 R2-Ib W021-56 W020-9c £020-2 R2-16 W020-4a W020-7a W08-16 D~ Sign RI-2a/ · (4) \*\* 6 3/ (S) / ●~Drum ① / 2 7 0 8 R12-36 △~ Cone \*Night use 9 0 ~ Flagman Rtc. 160 000000 177 Drums at 30' Spacing 1000 1000' Relocate all Drums ! portable signs to apposite side. TYPICAL TRAFFIC CONTROL PLAN General Notes Curing All existing signs in conflict with traffic control shall be covered with opaque covers or removed FOR WIDENING Location Construction (including side roads) involving <u>OPEN</u>
TRENCH is limited to one side of <u>MAIN LINE</u>
at a time. 200' Cover (with opaque covers) or remove signs when not in use. Drums shall be placed off the pavement when work is not in progress unless LANE CLOSURE is in effect. Signs # 3, 4, 6, 7, 6, 9, 6 shall be portable Construction mounted. Location Night \*\* Signs # @ to be mounted a Min. of 5' ht. Location For Temporary Revenuent Merkings of Lanes, See Rte. 160 3 Lane Typical, Sheet 1 of 2 and for Gulf Street, see Traffic Signal Sheet No 23. PLACEMENT DETAILS CULVERT Est at 2 Loc al a time

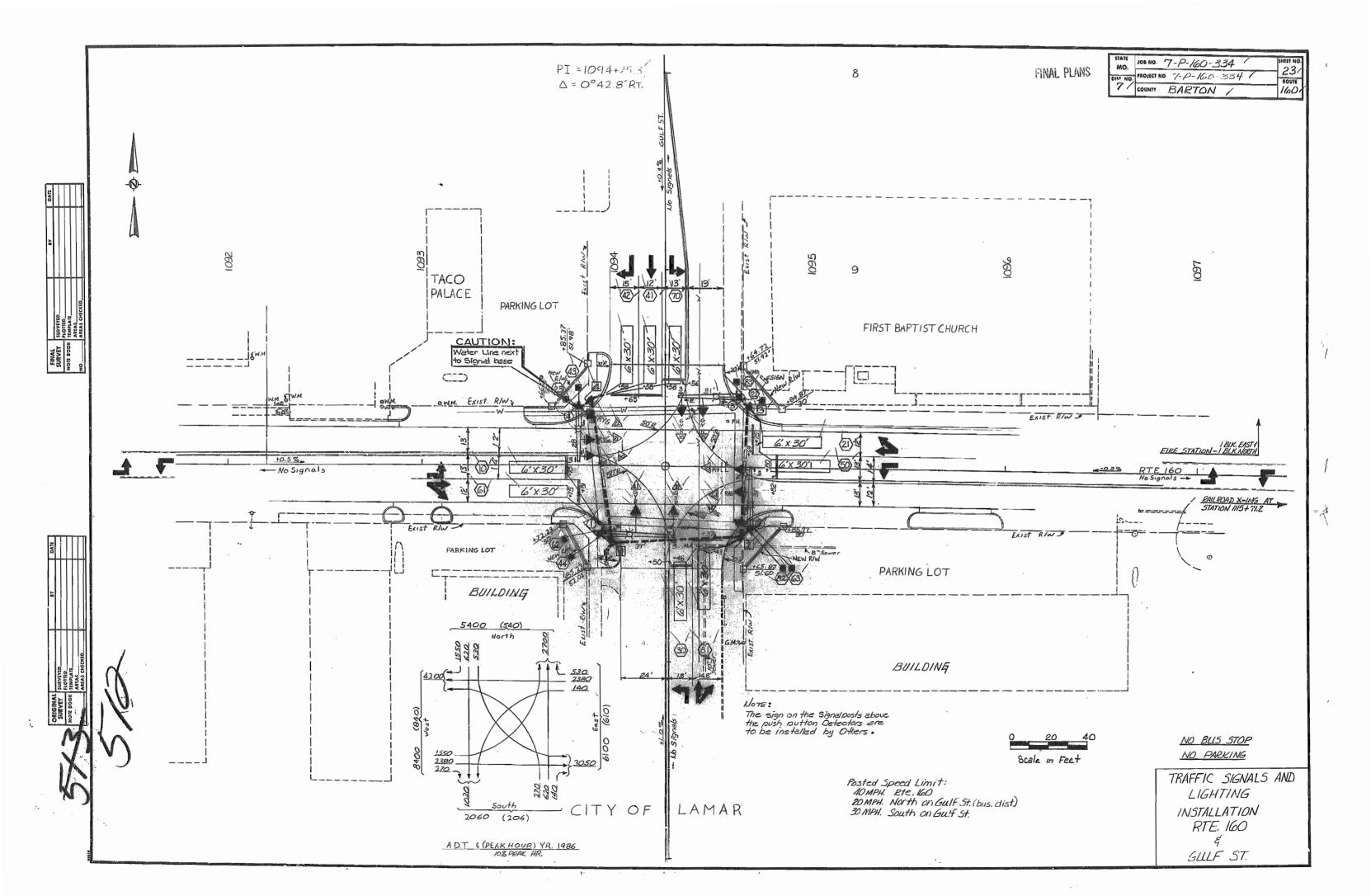
TYPICAL DRUM LOCATION

TRAFFIC CONTROL PLAN Special Sheet 1 of 2

7-P-160-334

MO.





### TRAFFIC SIGNALS

TIME\*

TONE UNIT®

RECEIVER

TRANS-

COORDINATION UNIT®

MASTER LOCAL TIME TRANS-

FINAL	PLANS
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STATE MO.	JOB NO. 7-P-160-334 /	SHEET NO.
	PROJECT NO. 7-10-160 - 334 /	ROUTE
7/	COUNTY BARTON	160

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CONTROLLER ASSEMBLY AND AUXILIARY EQUIPMENT

PRE-TIMED

| MODULAR # | MODULAR BY PHASE | TYPE | SEMI | TYPE | SEMI | TYPE | TYPE | SEMI | TYPE 
LOCATION

APPROACH STATION OFFSET

ACTUATED

	REMARKS
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*ITEMS FOR WHICH SEPARATE PAYMENT	WILL NOT BE MADE
	Name of the state
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C-SPANWIRE MOUNT T-TOP MOUNT S-SIDE MOUNT Rte 160 & Gulf St. INTERSECTION

SP-37 A

FINAL PLANS

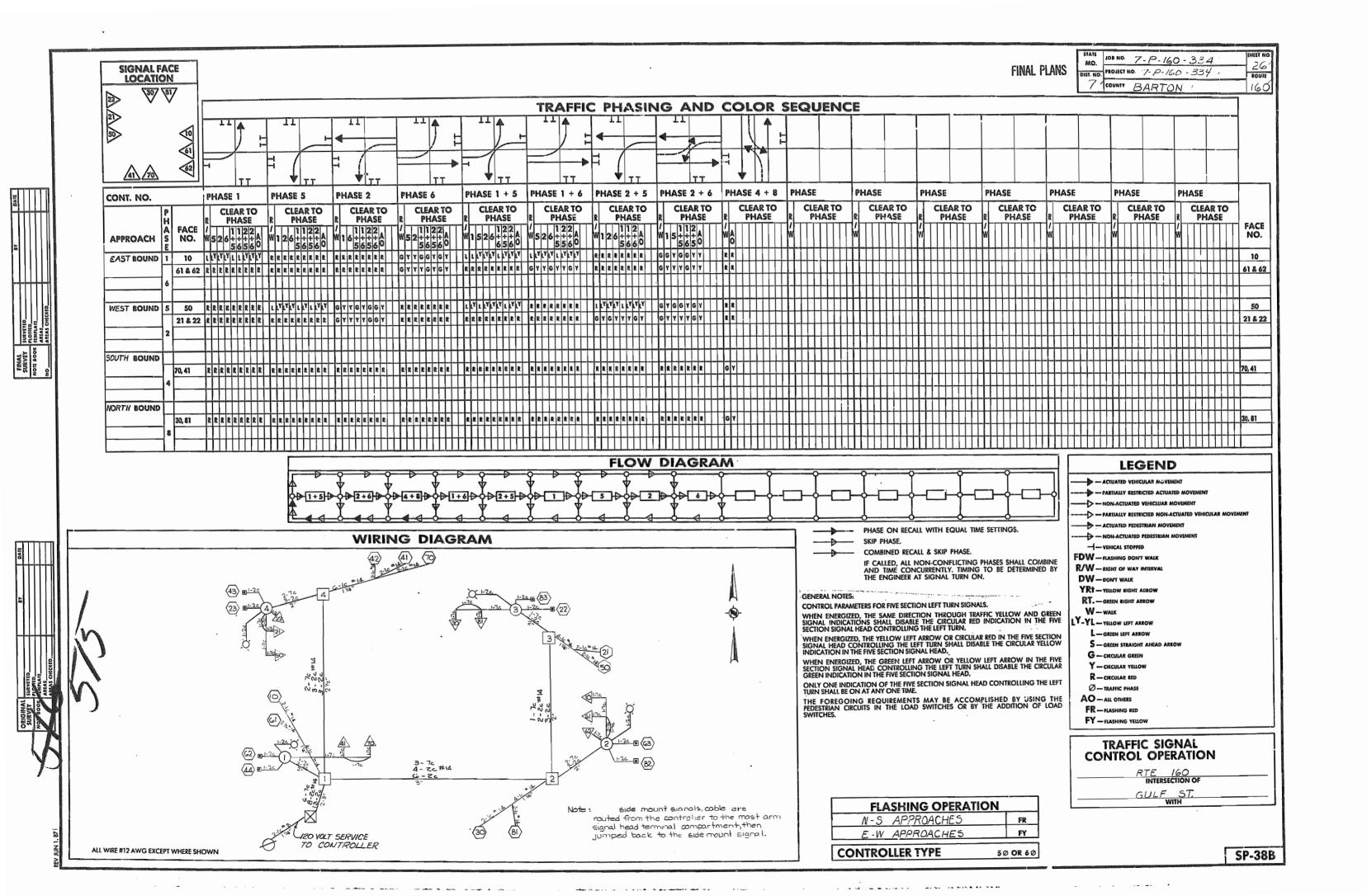
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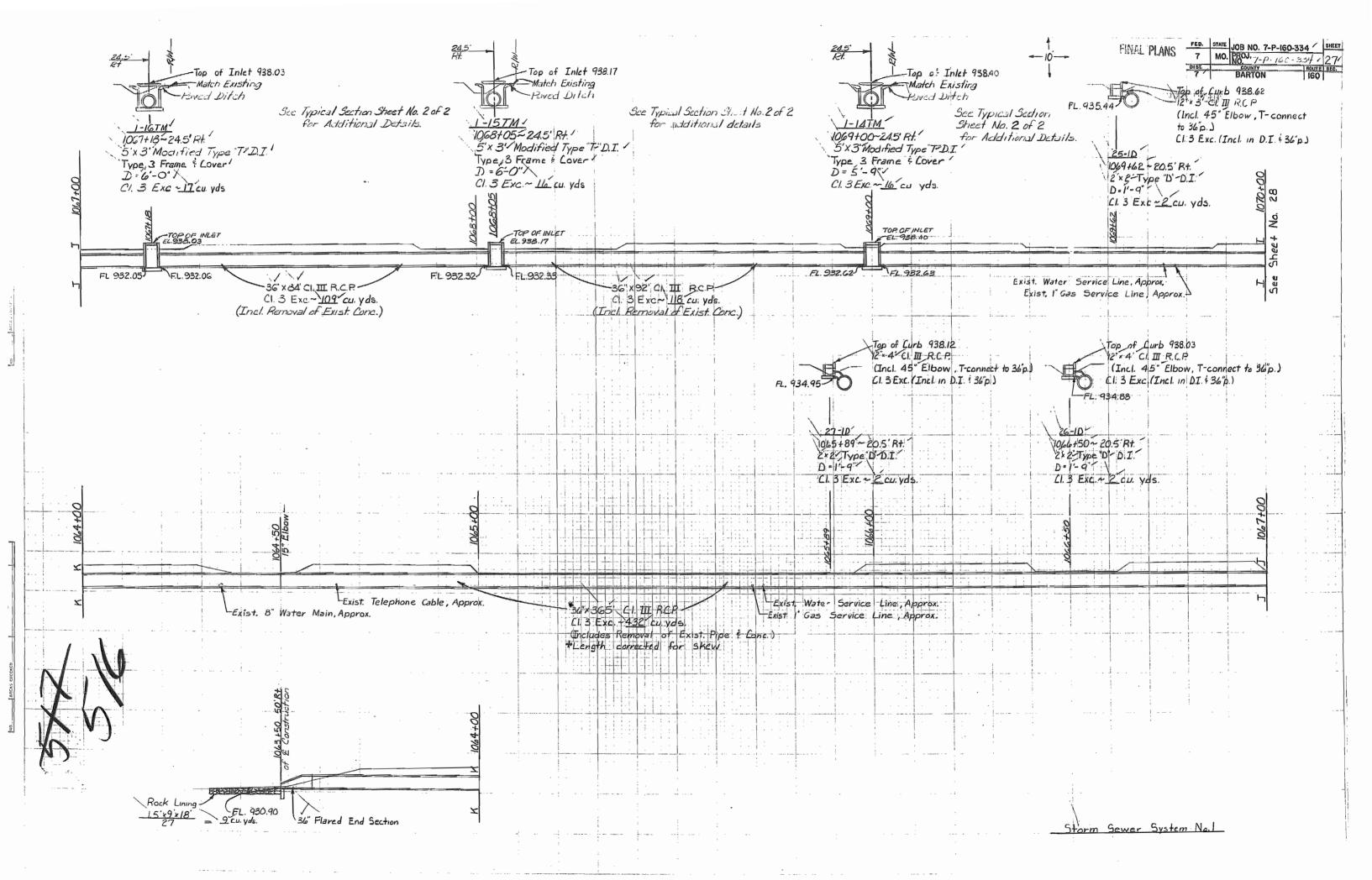
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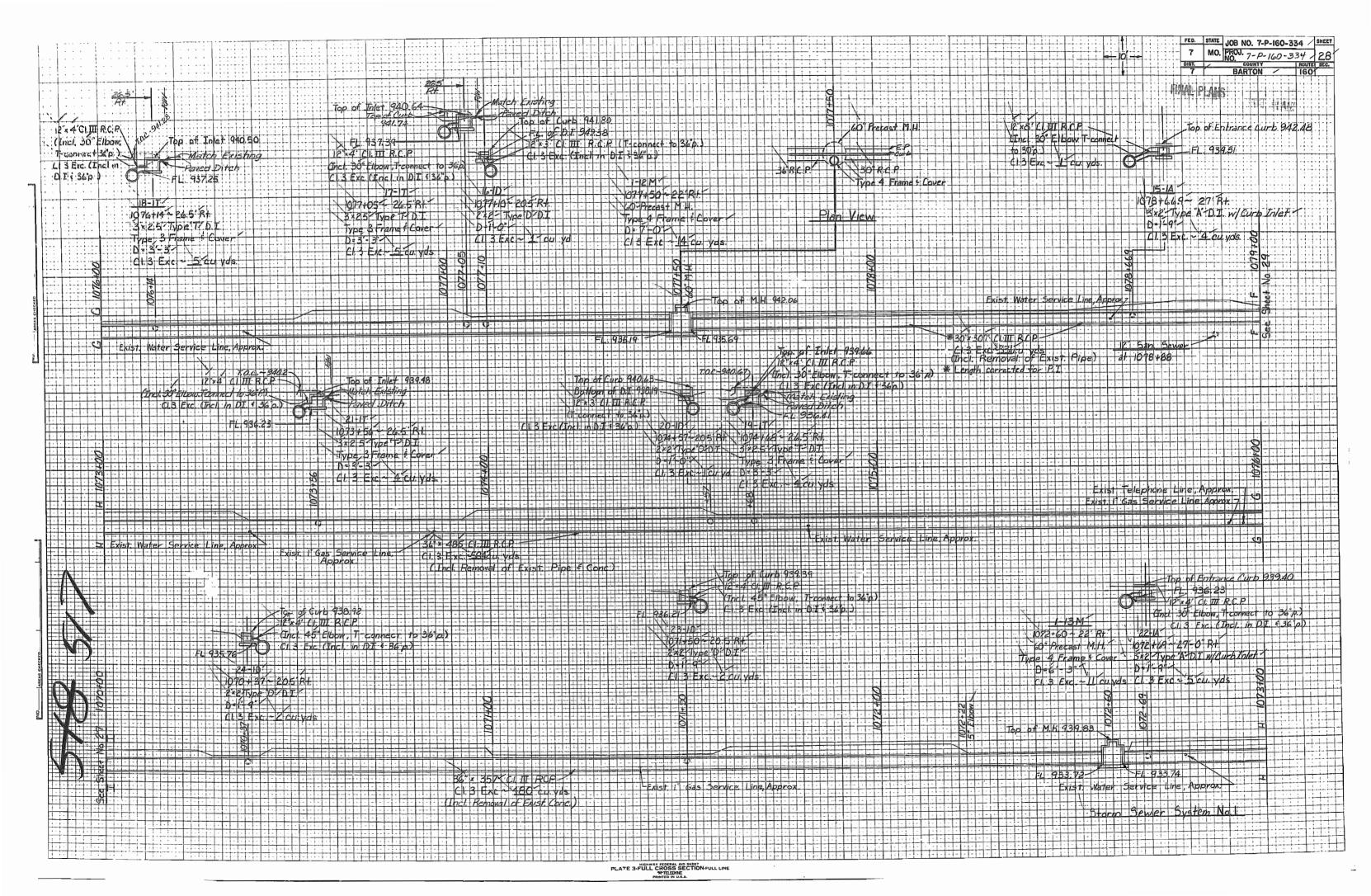
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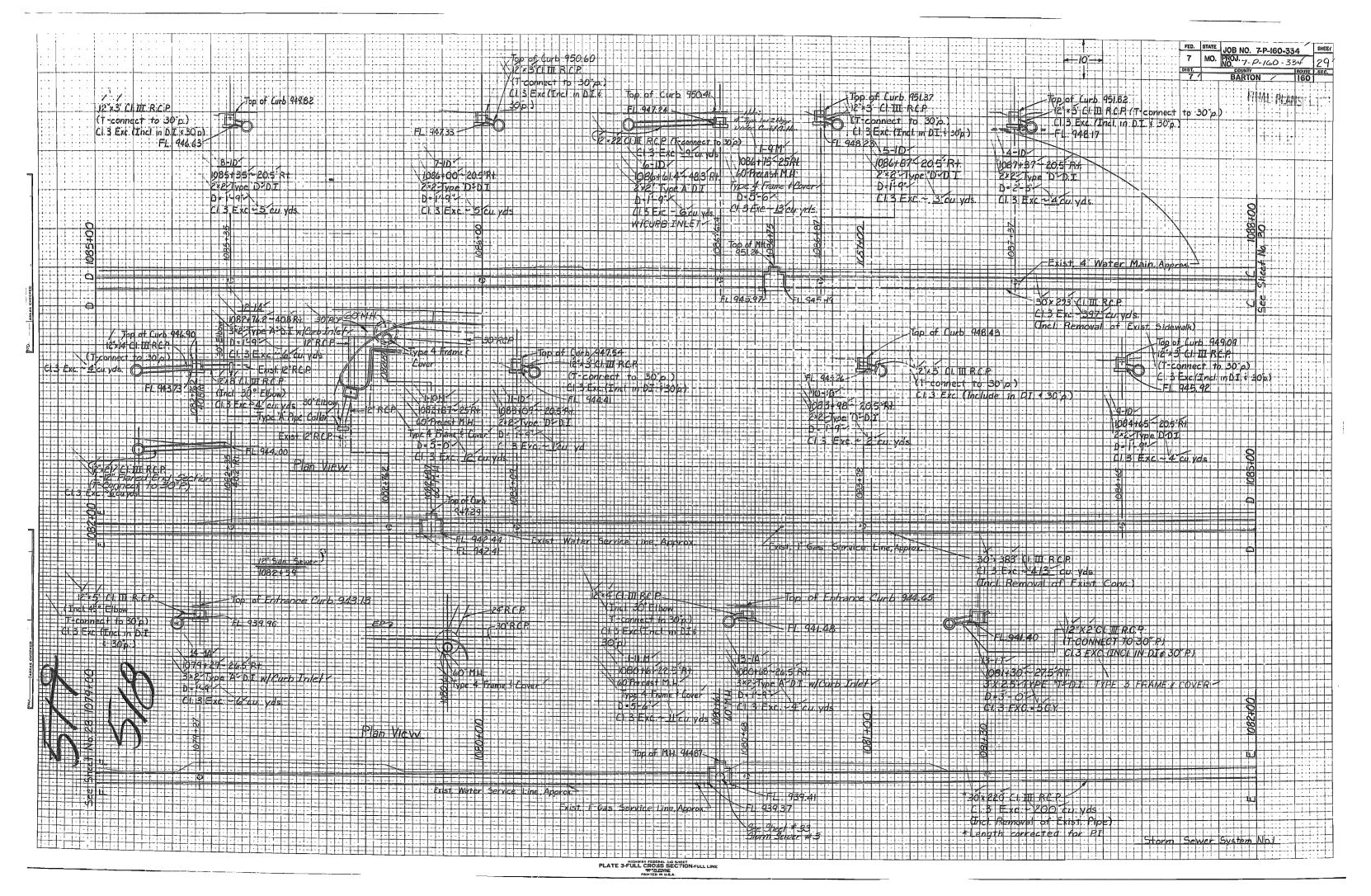
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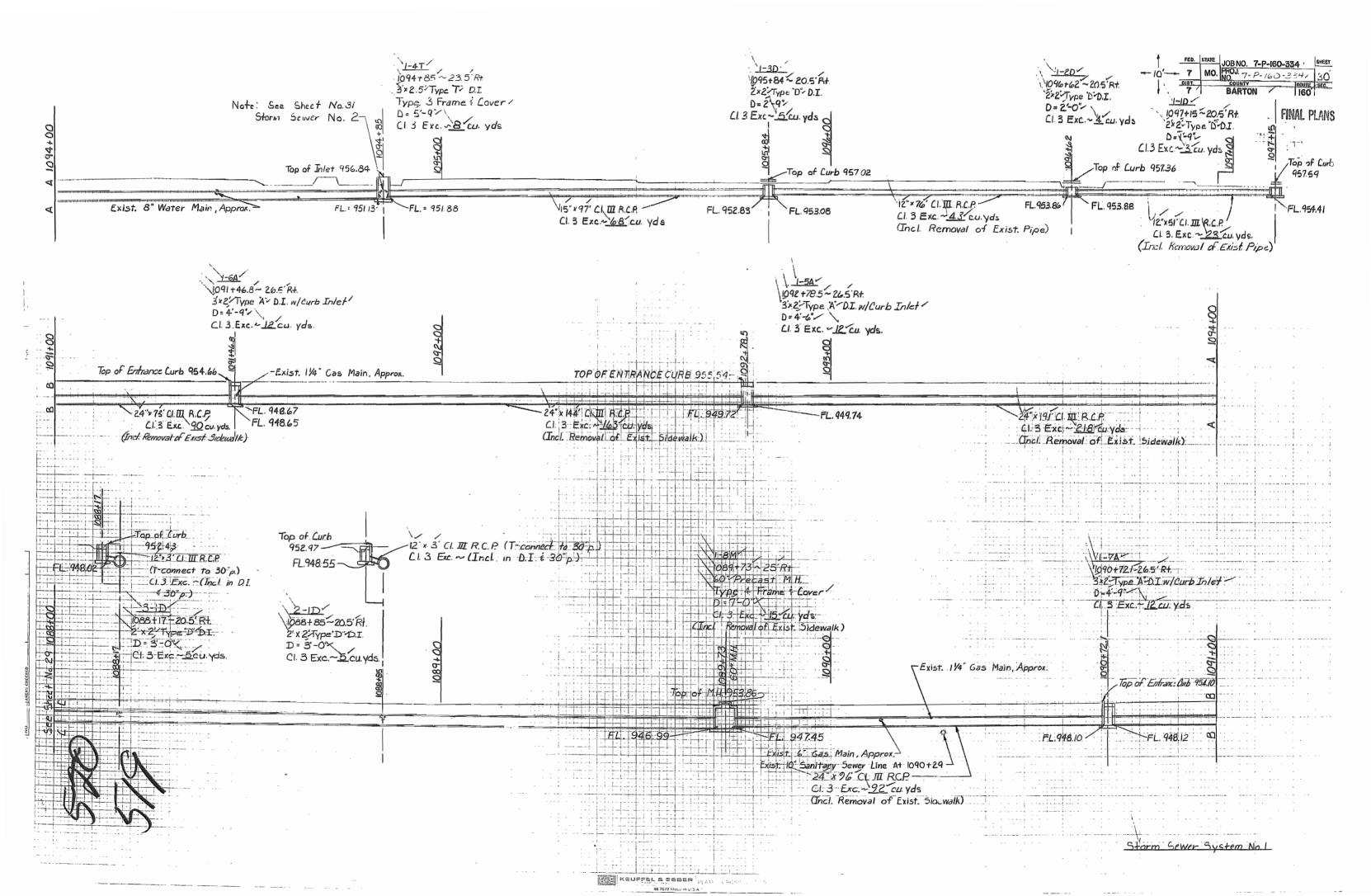


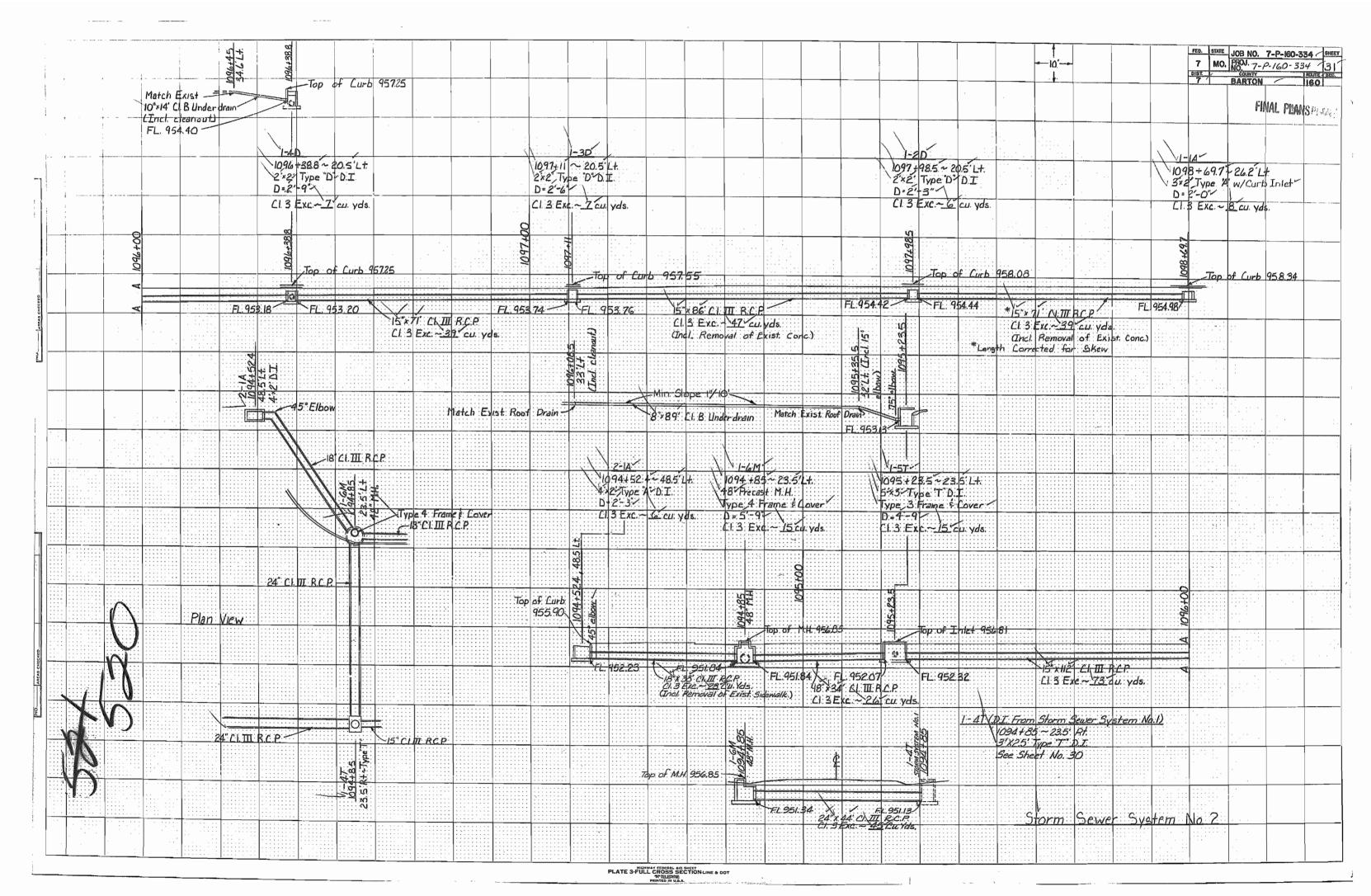


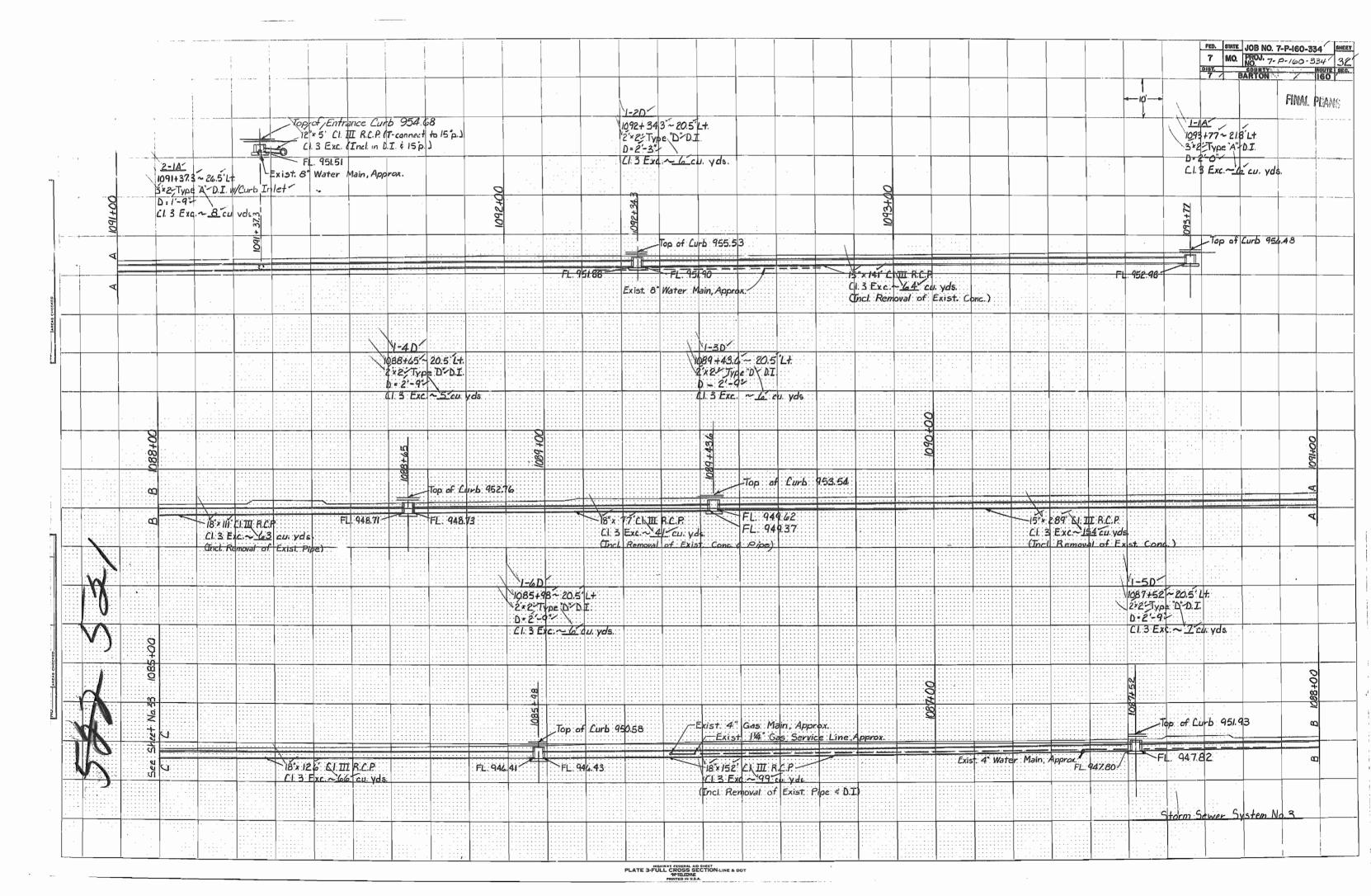
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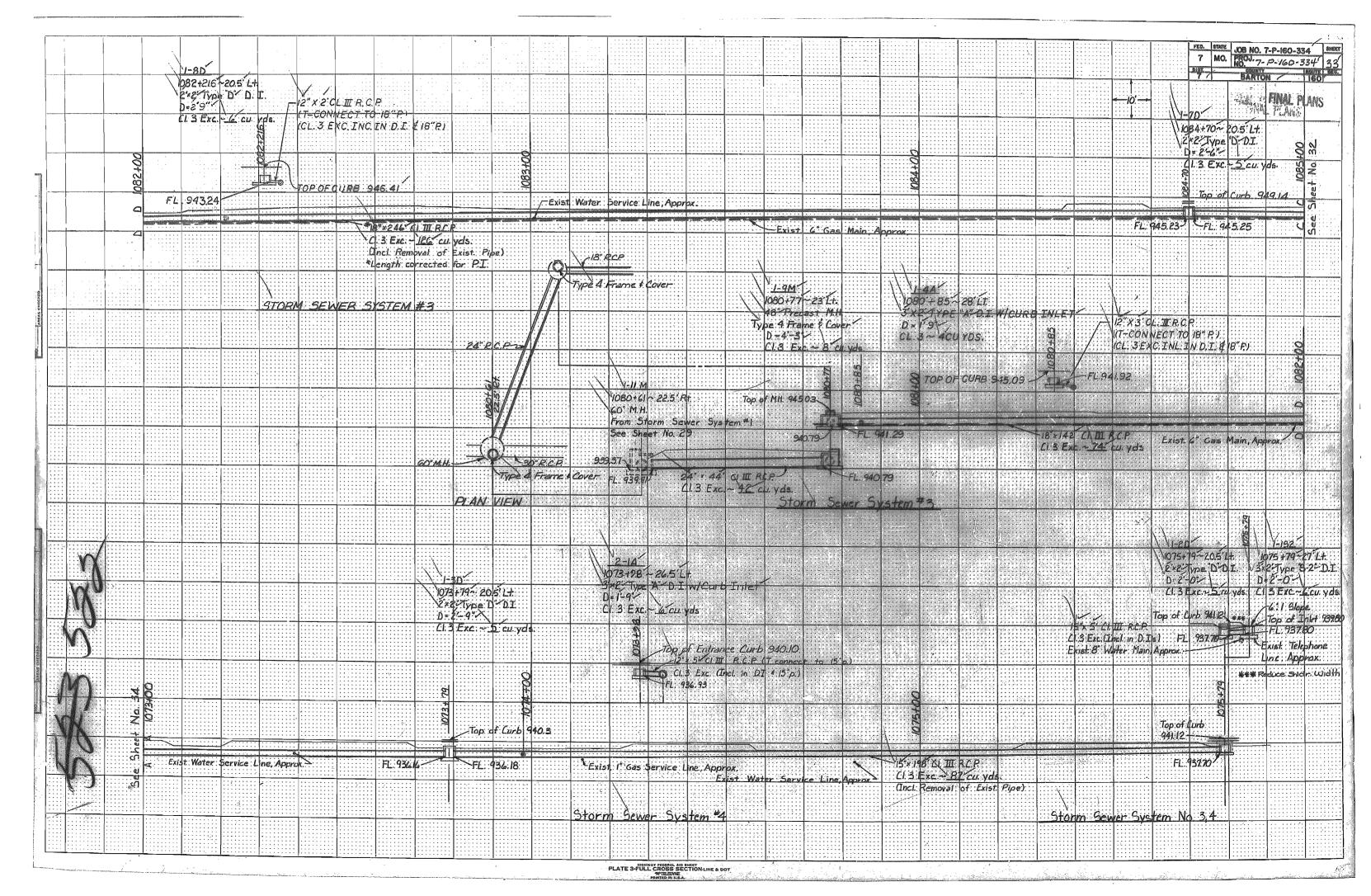


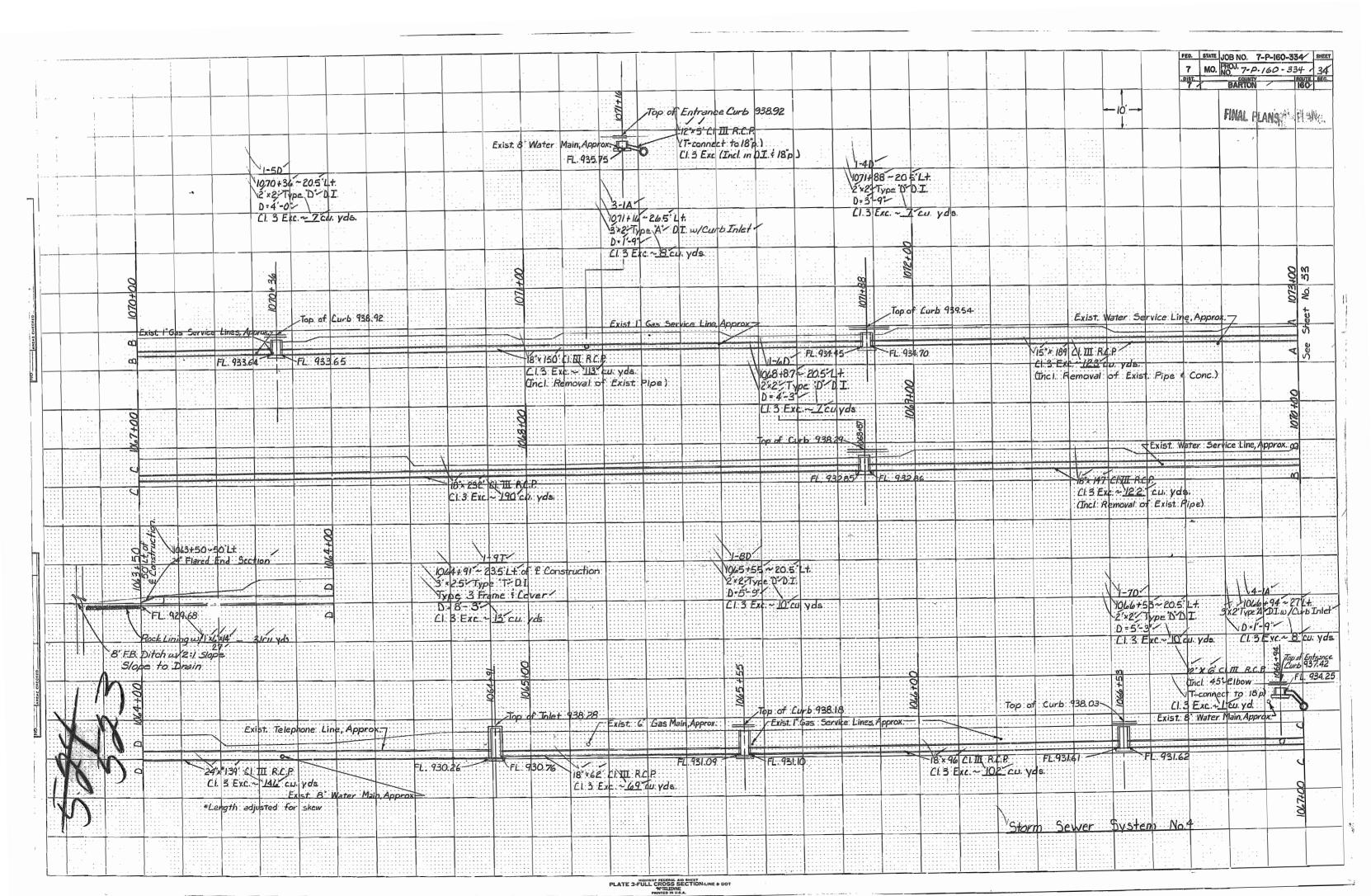


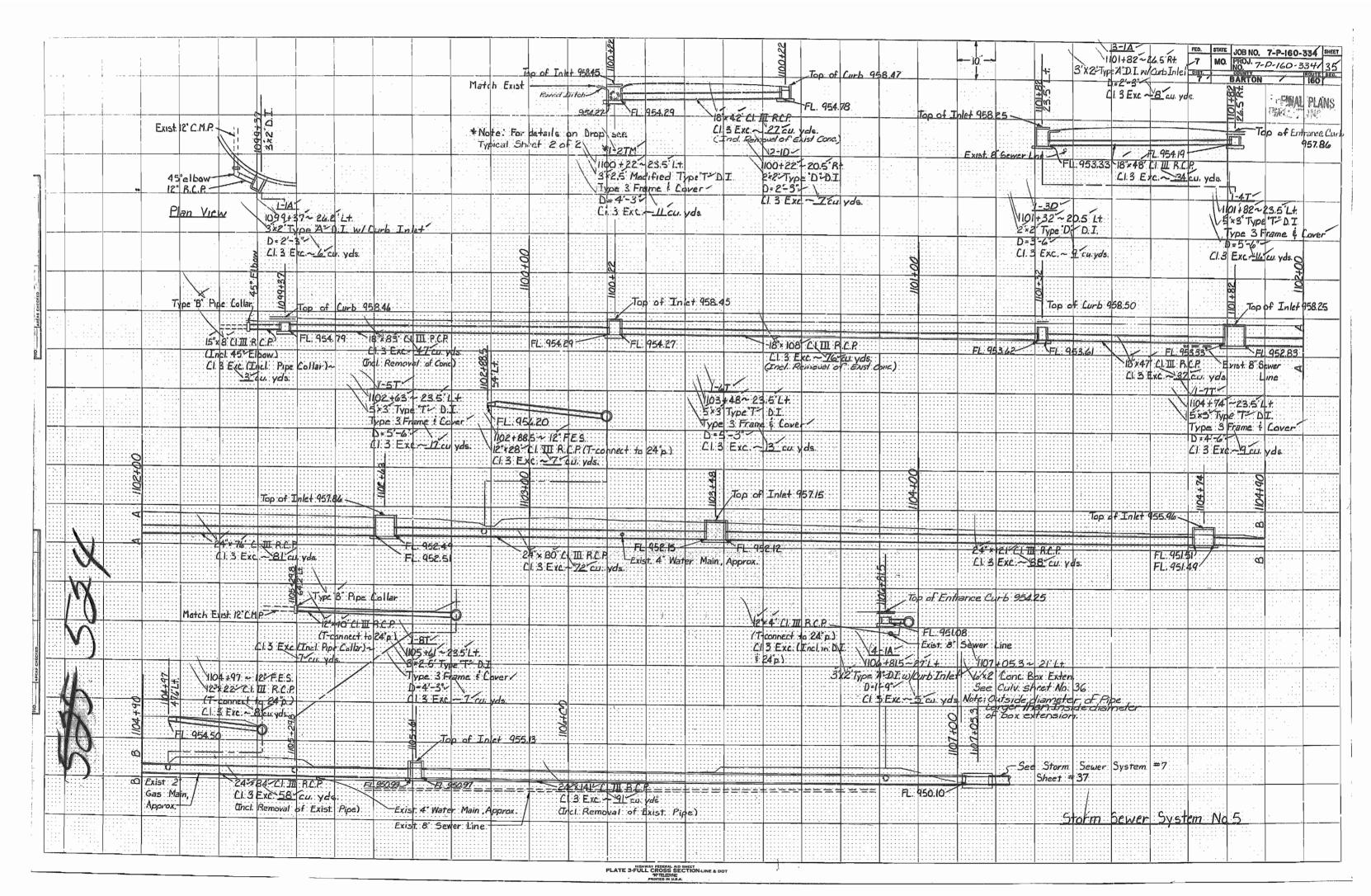


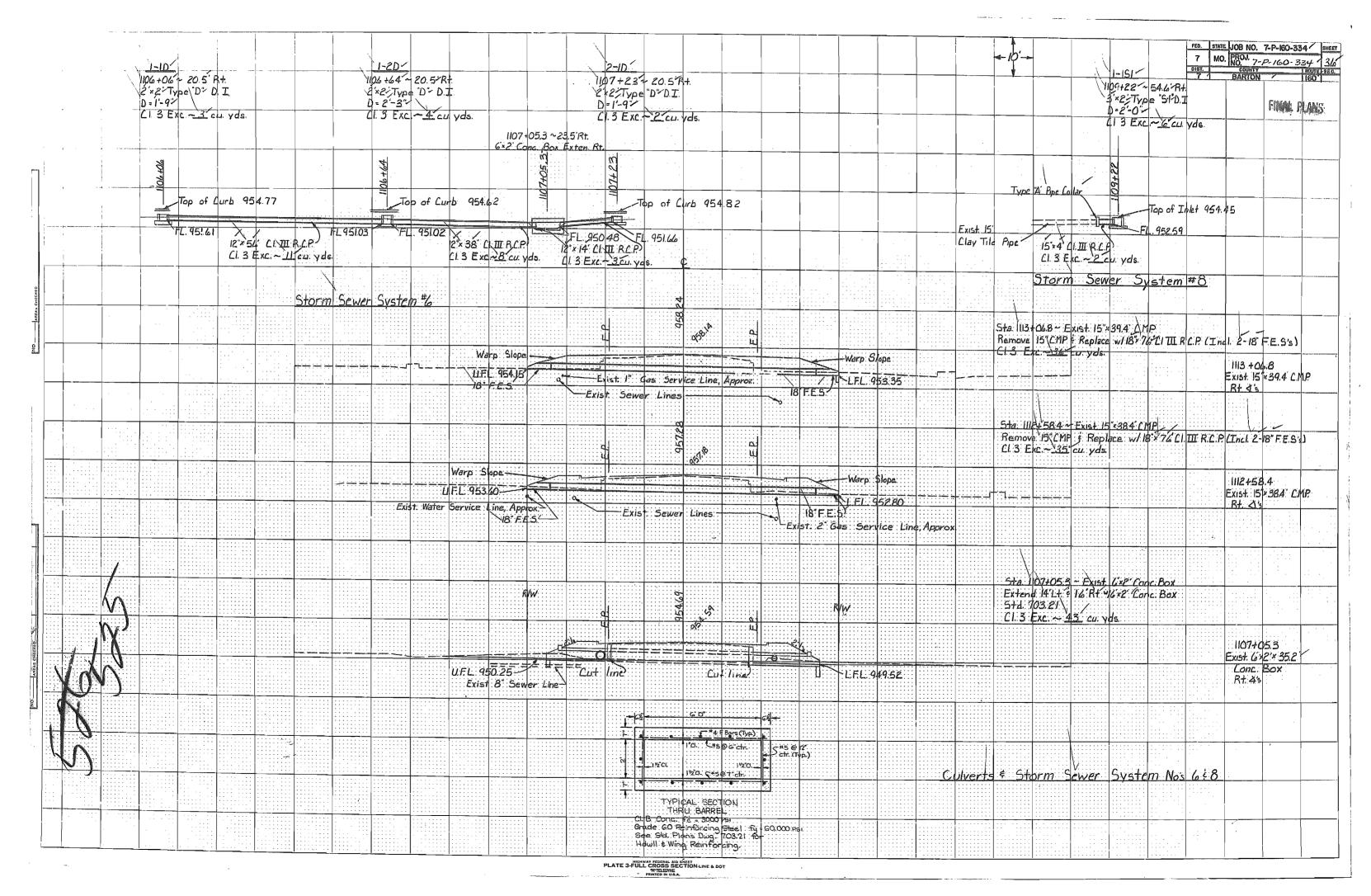


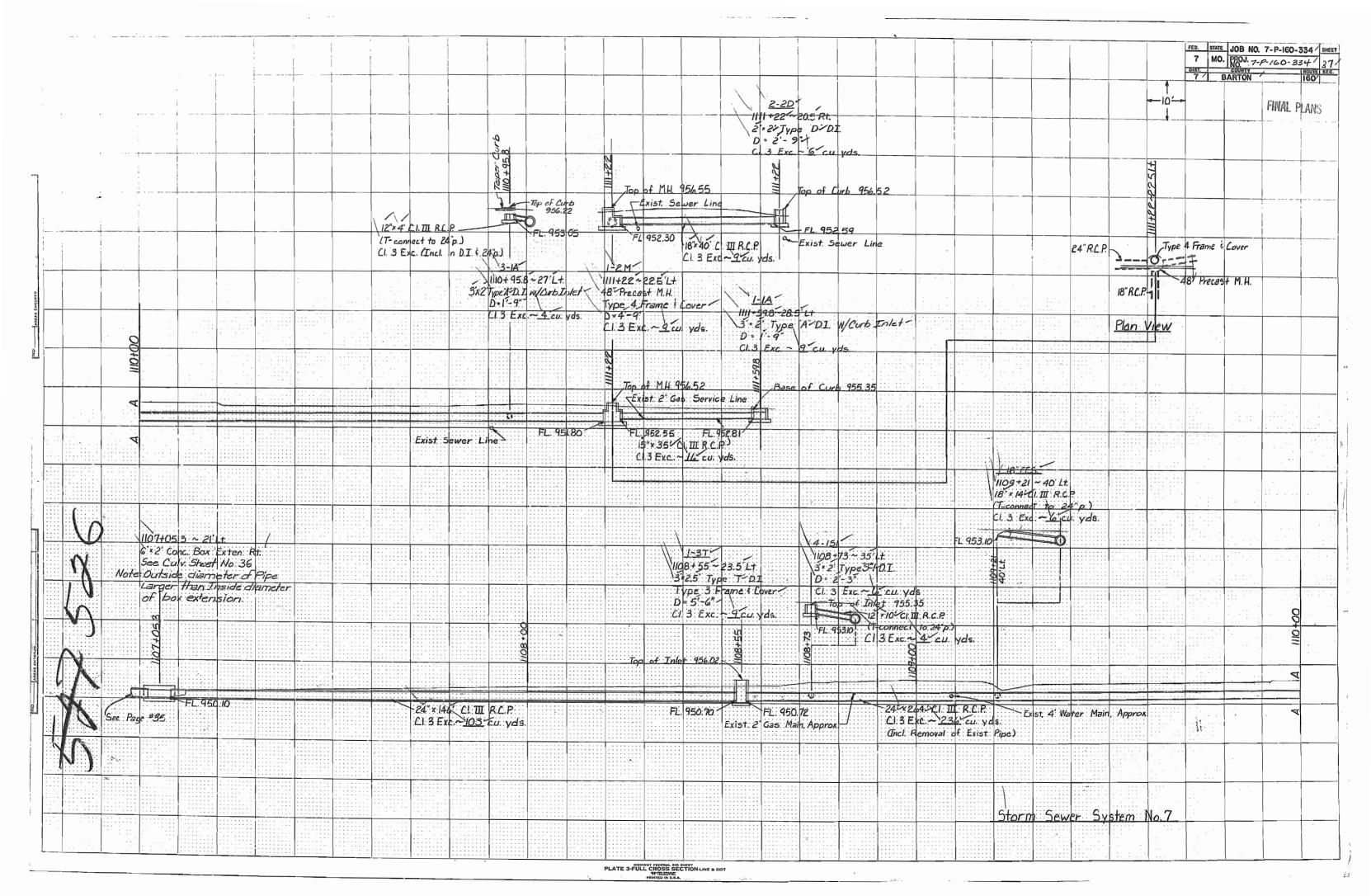












STATE MO. JOB NO. 7- P-160-334 SHEET NO. 38

DIST. NO. PROJECT NO. 7- P-160-334 ROUTE
7 COUNTY BARTON 1600'

## MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

# STANDARD PLANS

FINAL PLANS

<b>√</b>	NO.	DESCRIPTION .
	203.00E	EXCAVATION & EMBANKMENT
	203.02C	UNDERGRADING
ヿ	203.10A	TABULATED EARTHWORK & SECTION DATA
╗	203.208	SUPERELEVATION SPIRALS & WIDENING (UNDIVIDED)
$\neg$	203.218	SUPERELEVATION SPIRALS & WIDENING (DIVIDED)
	203.30A	ENTRANCES & APPROACHES (LESS THAN 400 ADT)
	203.31B	ENTRANCES & APPROACHES (GREATER THAN 400 ADT - NO SAFETY ZONE)
	203.32D	ENTRANCES & APPROACHES (GREATER THAN 400 ADT - SAFETY ZONE)
	203.35A	MAILBOX TURNOUTS
_	203.40E	TYPICAL DETAILS-RAMPS FOR INTERCHANGES (OTHER THAN 6:1 FORESLOPE)
_	203.41E	TYPICAL DETAILS-RAMPS FOR INTERCHANGES (6:1 FORESLOPE)
	203.50J	TYPICAL CROSS-OVERS (DIVIDED HIGHWAYS)
	200.000	Titles didds of the parties indifferior
	204.00D	EMBANKMENT CONTROL MEASURING DEVICES
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_	502.00M	CONCRETE PAVEMENT & BASE APPURTENANCES
	502.10E	DOWEL SUPPORTING UNITS
	503.00J .	CONCRETE APPROACH SLABS TO BRIDGES (ALSO INCLUDE 502.00)
	602.00A	RIGHT-OF-WAY & DRAIN MARKERS
	204.054	A SACE CHANGES AND ASSESSMENT OF THE PART
_	604.05A	PIPE CULVERT HEADWALLS - TYPE S
	604.10B	HEADWALL-WITH ENERGY DISSIPATOR - 18"
	604.11B	HEADWALL-WITH ENERGY DISSIPATOR - 24"
	604.12B	HEADWALL-WITH ENERGY DISSIPATOR - 30"
	604.13B	HEADWALL-WITH ENERGY DISSIPATOR - 36"
	604.14B	HEADWALL-WITH ENERGY DISSIPATOR - 42"
	604.158	HEADWALL-WITH ENERGY D'SSIPATOR - 48"
	604.208	DROP INLET - TYPE B
	604.21B	DROP INLEY - TYPE C
	604.22B	DROP INLET - TYPE D
	604.23B	DROP INLET - TYPE E
	604.248	DROP INLET - TYPE EE
_	604.25B	DROP INLET - TYPE F
	604.26C	DROP INLET - TYPE G
_	604.27C	DROP INLET - TYPE S (3 SHEETS)
	604.28D	DROP INLET - TYPE T (ALSO INCLUDE 614.30)
	604.29C	DROP INLET - TYPE X
	604.30F	CONCRETE MANHOLES (ALSO INCLUDE 614.30)
	604.40E	PIPE COLLARS
	- CO1.40L	THE COLUMN
	605.10A	CLASS A UNDERDRAINS
	606.00T	GUARD RAIL (2 SHEETS)
	606.20G	BRIDGE ANCHOR SECTION (BRUSH CURB) (ALSO INCLUDE 606.00)
_	606.21F	BRIDGE ANCHOR SECTION - CURB TYPE (ALSO INCLUDE 606.00). 4 40.00
	606.22D	BRIDGE ANCHOR SECTION (SAFETY BARRIER CURB) (ALSO INCLUDE 606.00)
	606.30E	TERMINAL SECTION (ALSO INCLUDE 606.00)
	606.40A	GUARD CABLE
	607.10Ω	CHAIN LINK FENCE
	607.11B	CHAIN LINK FENCE FOR RETAINING WALLS
	607.20F	WOVEN WIRE FENCE (ALSO INCLUDE 607.10)
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	608.00C	PAVED APPROACHES
	608.10G	CONCRETE SIDEWALK & WHEELCHAIR RAMPS
7	608.20C	CONCRETE STEPS
╗		
	609.00G	CONCRETE CURB - CURB & GUTTER - GUTTER
	609.15A	PAVED DITCHES
Ï	609.40D	DRAIN BASIN, SHOULDER PAVING & FILL SLOPE AT BRIDGE ENDS
┪	609.60A	DITCH LINER
	609.70C	ROCK LINING FOR GULVERT OUTLETS
ヿ	610.20E	BRICK MANHOLES (ALSO INCLUDE 614.30)
$\neg$	611.60L	CONCRETE SLOPE PROTECTION
$\neg$	612.10K	BARRICADES AND FLASHER SIGNS
$\neg$	613.00	PAVEMENT REPAIR
	614.10N	CURB INLETS, GRATES & BEARING PLATES
	614.30D	MANHOLE FRAMES & COVERS
	615.00A	OFFICE FOR ENGINEER
	616.10J	TRAFFIC CONTROL DEVICES (3 SHEETS) (ALSO INCLUDE 903.01)
	617.00V	CONCRETE TRAFFIC BARRIER (3 SHEETS)
	702.01E	16" CONCRETE PILES (APPROVED TYPES) (2 SHEETS)
	702.02B	CAST-IN-PLACE CONCRETE PILES (APPROVED TYPES)
	703.15D	CONCRETE BOX CULVERTS, H15 LOADING (3 SHEETS) (INCL. 706.35)
	703.16D	CONCRETE BOX CULVERTS, H15 LOADING (3 SHEETS) (FLARED WINGS) (INCL. 706.35)
	703.20D	CONCRETE BOX CULVERTS, H20 LOADING (3 SHEETS) (INCL. 706.35)
	703.21D	CONCRETE BOX CULVERTS, H20 LOADING (3 SHEETS) (FLARED WINGS) (INCL. 706.35)
	703.24D	CONCRETE BOX CULVERTS, SKEW DATA (703.15, 703.20, 703.30) (INCL. 706.35)
	703.25C	CONCRETE BOX CULVERTS, SKEW DATA (703.16 & 703.21) (3 SHEETS) (FLARED WINGS) (INCL. 706.35)
	703.30D	CONCRETE BOX CULVERTS, 4' SPANS & LESS - ALL LOADING (INCL. 706.35)
	703.35B	CONCRETE BOX CULVERTS, CUTTING DETAILS (STRAIGHT WINGS) (INCL. 706.35)
	703.36A	CONCRETE BOX CULVERTS, CUTTING DETAILS (FLARED WINGS) (INCL. 706.35)
	703.50F	CONCRETE DOUBLE BOX STRUCTURE - SQUARE (INCL. 706.35)
	703.51E	CONCRETE DOUBLE BOX STRUCTURE - SKEWED (INCL. 706.35)
	703.52B	CONCRETE DOUBLE BOX STRUCTURE - CUT SECTIONS (INCL. 706.35)
	703.53D	DOUBLE BOX STRUCTURE REINFORCEMENT - H15 LOADING (8 SHEETS)
	703.54D	DOUBLE BOX STRUCTURE REINFORCEMENT - H20 OR HS20 LOADING (8 SHEEYS)
	703.55C	CONCRETE DOUBLE BOX STRUCTURE (FLARED WINGS) SQUARE (INCL. 706.35)
	703.56C	CONCRETE DOUBLE BOX STRUCTURE (FLARED WINGS) SKEWED (INCL. 706.35)
	703.60C	CONCRETE BOX STRUCTURE - PIPE INLET
	703.70B	CONCRETE TRIPLE BOX STRUCTURE - SQUARE (2 SHEETS) (INCL. 706.35)
	703.71B	CONCRETE TRIPLE BOX STRUCTURE - SKEWED (2 SHEETS) (INCL. 706.35)
	703.728	CONCRETE TRIPLE BOX STRUCTURE - (FLARED WINGS) (SQUARE) (2 SHEETS) (INCL. 706.35)
	703.738	CONCRETE TRIPLE BOX STRUCTURE - (FLARED WINGS) (SKEWED) (2 SHEETS) (INCL. 706.35)
	703.748	CONCRETE TRIPLE BOX STRUCTURE - CUT SECTIONS (INCL. 706.35)
	703.75	CONCRETE TRIPLE BOX STRUCTURE REINFORCEMENT - H15 LOADING (5 SHEETS)
	703.76B	CONCRETE TRIPLE BOX STRUCTURE REINFORCEMENT - H20 OR HS20 LOADING (5 SHEETS)
	706.30E	REINFORCING BAR SUPPORTS
	706.35E	BAR SUPPORTS FOR CONCRETE REINFORCEMENT
	712.40E	STEEL DAMS FOR BRIDGES (6" CHANNEL)
		METAL CURTAIN WALL AND METAL INLETS
	725.31C	
	725.31C 726.30C	
		CULVERT INSTALLATION METHODS
	726.30C	CULVERT INSTALLATION METHODS PRECAST MANHOLES (ALSO INCL. 614.30)
	726.30C 731.00Q	CULVERT INSTALLATION METHODS PRECAST MANHOLES (ALSO INCL. 614.30) PRECAST DROP INLETS (4 SHEETS) (ALSO INCLUDE 614.30 & 614.10)
	726.30C 731.00Q 731.10G	CULVERT INSTALLATION METHODS PRECAST MANHOLES (ALSO INCL. 614.30)

	NO.	DESCRIPTION
		HIGHWAY LIGHTING
	901.00N	POLES & APPURTENANCES - 30' (3 SHEETS)
	901.01T	POLES & APPURTENANCES - 45' (3 SHEETS)
	901.05A	CONTROL PANEL CABINET DETAILS (2 SHEETS) (NOTE BELOW)
	901.12C	POLE MOUNT, CONT. STA SECONDARY SERV 480 V MULTI, CIR. (NOT METERED)
	901.15E	POLE MOUNT. CONT. STA SEC. SERV 120, 240, & 480 V MULTI. CIR.
	901.16D	POLE MOUNT, CONT. STA SEC. SERV 480 V MULTI, CIR. (METERED)
_	901.18D	POLE MOUNT, CONT. STA SEC. SERV. 120/240 V MULT', CIR.
	901.19D	POLE MOUNT. CONT. STA SEC. SERV 240 V MULTI CIR. (NOT METERED)
	901.20D	POLE MOUNT. CONT. STA SEC. SERV 120/240 V MULTI. CIR. (SIG METERED)
	901.22E	POLE MOUNT. CONT. STA SEC. SERV 120/240 & 480 V MULTI. CIR. (BOTH METERED)
	901.23E	POLE MOUNT. CONT. STA. — SEC. SERV 240 V MULTI. CIR. (METERED)
	901.24D	POLE MOUNT. CONT. STA SEC. SERV 240 V MULTI. CIR. (LT'S & SIGS-BOTH METERED)
_	901.25D	BASE MOUNT, CONT. STA SEC. SERV 120/240 V MULTI, CIR.
_		NOTE: ALSO INCLUDE 901.05 WITH 901.12 THROUGH 901.25 EXCEPT 901.18
_		TRAFFIC SIGNALS
	902.00E	SIGNAL HEADS, LENSES AND MOUNTING
	902.10J	PULL BOXES, CONTROLLERS, COND. LOCATION
	902.15D	POWER SUPPLY ASSEMBLY
Ear	902.21B	TELEPHONE INTERCONNECT
	902.30G	CONCRETE BASES
	902.40G	TUBULAR STEEL POST
	902.50E	DETECTORS
	902.60E	SPAN WIRE DETAILS - STEEL POST
_	902.70B	SPAN WIRE DETAILS - WOOD POLE
	902.80A	TRAFFIC SIGNAL SYMBOLS
	302.00A	THATTIC SIGNAL STRIBULES
_	<b>-</b>	
_		
_		HIGHWAY SIGNING
	903.01C	ALPHABETS (2 SHEETS)
100	903.01C	HIGHWAY SIGNING (7 SHEETS)
_	903.02W	SIGN MOUNTING DETAILS (5 SHEETS)
	903.03A3	WEIGH STATION SIGNING
_	903.05C	TUBULAR SPAN SUPPORT - ONE TUBE, TYPE S
_	903.05C	TUBULAR SPAN SUPPORT - TWO TUBE, TYPE S
_	903.06C 903.07C	TUBULAR CANTELLIA CURRORTS TYPE C
_	903.07C	TUBULAR BUTTERFLY SUPPORTS, TYPE B
_		29.
	903.09C	LIGHTING SUPPORT BRACKET  SIGN TRUSSES - OVERHEAD ALUMINUM (8 SHEETS) (INCL.) 903.03)
_	903.10T	
_	903.12N	SIGN TRUSSES - BUTTERFLY & CANTILEVER - STEEL (7 SHEETS) (INCL. 903.03)
_	903.608	SIGN TRUSSES - OVERHEAD STEEL (7 SHEETS) (INCL. 903.03)
_	<del></del> -	
_		<u> </u>

OTES: Plans for this project were developed using Crawings from this in

\* REVISED SINCE JANUARY 1988

### **DESIGN DESIGNATION**

A.D.T. 1982 = 5990 -A.D.T. 2002 - 8230

0 =10 % 7 = 1 % V =40 M.P.H. MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

# PLANS FOR PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT BARTON COUNTY

PROJECT LIMITS G.E., Drainage, Bridge, 24'Asph. Conc. and Bit. Base





COUNTY \_\_BARTON

PROJECT BRF-160-1(11) JOB NO. 7-P-160-186

> FINAL PLANS 111

#### INDEX OF SHEETS

DESCRIPTION	SHE
TITLE OURSE	NO
TITLE SHEET	1
TYPICAL SECTIONS (   SHEET )	2
SUMMARY ( / SHEET )	2.
SUMMARY (2 SHEETS)	2-1
PLAN-PROFILE	3-
REFERENCE POINTS	-
SPECIAL SHEETS	.60
LIGHTING	Ψ,
SIGNALS	
SIGNING	
CULVERT SECTIONS	
BRIDGE DRAWINGS	
	1
STANDARD PLANS INDEX	1
CROSS SECTIONS	8-
COMPUTER DATA	-

### LENGTH OF PROJECT

END OF PROJECT STA. 1064+48.5 BEGINNING OF PROJECT STA. .035 +00

APPARENT LENGTH

1 2948.5 FEET NONE

EQUATIONS AND EXCEPTIONS

TOTAL CORRECTIONS

STATE LENGTH

NET LENGTH OF PROJECT

0.558 MILES

2948.5 FEET

2948 5 FEET

FEDERAL LENGTH

0.558 MILES

#### MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

CHIEF ENGINEER

DATE

DATE

### U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ENGINEER

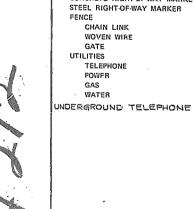
**CONVENTIONAL SIGNS** 

BUILDINGS AND STRUCTURES CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER CHAIN LINK WOVEN WIRE

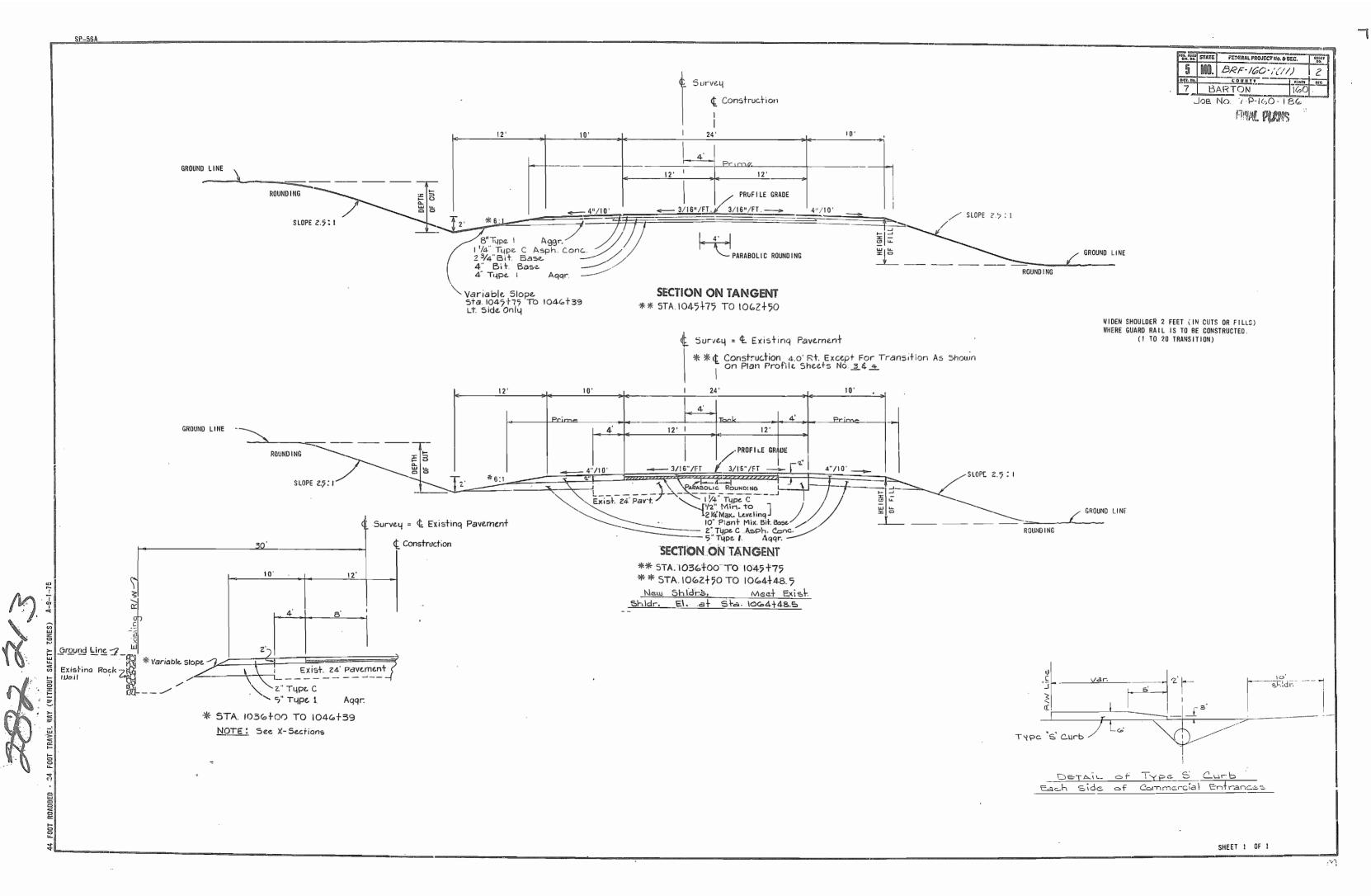
TELEPHONE

DASHED OR OPEN SYMBOL INDICATES EXISTING

Scale in Miles



NUMBER



## MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION SUMMARY OF QUANTITIES

7 MO. PROJECT NO BRF. 160-111 MO. PROJECT NO BRF-160-1(11) 2A

ITEM	DESCRIPTION	UNIT	QUANTITY		ITEM	DESCRIPTION	LIANT	011111111111111111111111111111111111111		The state of the s	RTON	160
201-10.00	CLEARING	ACRE	QUANTITI		622-10-00	TEMPORARY PAVEMENT MARKING	UNIT	QUANTITY	ITEM	DESCRIPTION	UNIT	QUANTII
			2.4	-	recorded to any section of the State of the		WIFE	· 6		FINAL PLANS		
201 - 20 - 00	GRUBE ING	ACRE	1.2		726-13.18	19 IN. CLASS III REINFORCED CONCRETE PIPE CULVERT	LIN ST	109	:	**************************************		
202-20.10	REMOVAL OF IMPROVEMENTS	LUMP SUM		. i	726-13.24	26 IN. CLASS III REIMFORCED CONCRETE PIPE CULVERT	LIN FT	284 -10				
203~10.00	CLASS A EXCAVATION	CO · AD	73678	1 [	726-13.30	30 TN. CLASS III REINFORCED CONCRETE PIPE CULVERT	LIN FT	52				
203-50-00	JNCLASSIFIED ENCAVATION	CU YD	3562	] [	732-00.24	24 IN. FLARED END SECTION	FACH	1 -1				
203-80.00	COMPACTING EMBANKMENT	CO AD	44223		802-20.00	TYPE 2 MULCH	ACRE	1	·			
203-70.00	CUMPACTING IN CUT	CU YO	437	†	802-99.88	MULCH OVERSPRAY	ACRE	12.2			<del>-  </del>	
206-30.00	.CLASS 3 EXCAVATION	CU YO	13 -1/	}	803-10.00	\$000 ING	SQ YD	122	ļ	· · · · · · · · · · · · · · · · · · ·		,
501-10-11	ASPHALT CEMENT (BITUMINOUS BASE)	TON		}	805-10.00	SEEDING	ACRE	31	<u> </u>			
301-20.00	MINERAL AGGREGATE (BITUMINOUS BASE)	TON	93.3	1	804-30.00	NETTING TYPE [II	SO YD	Y 2 =	· ·			ļ
304-00.43	TYPE 1 AGGREGATE FOR BASE	SO YE	2/83	1				465	<u> </u>			
304-00.53	TYPE 1 L AGGREGATE FOR BASE	SQ YC	2,597	1		BRIDGE DWG.NO. A-4166						
304-00.83	(5 EN. TMICT )  TYPE 1 AGGREGATE FOR BASE		9,735	1 -	202.10.10	AT STA. 1049+37.10	_!		,			
Time printers & Transcellant	es in. Thicks	SQ YO	9,733	1 -	202-10-10	REMOVAL OF BRIDGES	EACH	\'\'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
10-70.10	CRUSKED STONE (A)	CO AD	38	1	206-10.00	CLASS 1 EXCAVATION	CU YD	23				
01-10-11	ASPHALT CEMENT (BITUMINOUS PAVEMENT)	TON	61.7		206-20.00	CLASS 2 EXCAVATION	CO AC	444.5				
01-20-10	MINERAL AGGREGATE (BITUMINGUS PAVEMENT) GRADE C	TON	1173	]	702-10.10	STRUCTURAL STEEL PILES (10 IN.)	LIN FT	376 V				<del></del>
03-10.11	ASPHALT CEMENT (ASPHALTIC CONCRETE)	TON	66.2		703-20.03	CLASS B CONCRETE (SUBSTR)	CU YD	218.7		·		· .
03-80.00	NINERAL AGGREGATE (ASPHALTIC CONCRETE	TON	308		703-42-13	( PK: Fa.nel ) SLAB ON CONCRETE 1-GIRDER,	SQ YD	1,254	<u> </u>			<del> </del>
07-10.05	TACK COAT	GALLON	7		703-42.15	SAFETY BARRIER CURB	LIN FT	. \532 1/	<b>_</b>			-
608-10.10	PRIME-LIQUID ASPHALT	GALLGN	100	<u> </u>	703-70.30	PLAIN NEOPRENE BEARING PADS	EACH	50	·	<u> </u>		<u> </u>
61-10.00	FIELD LABORATORIES	LUMP SUM	4760	1 1	705-11.45	PRESTRESSED CONCRETE I-GIRDER.	EACĤ	15	[			
04-40.11	PIPE COLLAR, TYPE A	EACH	110	1 1	705-11.56	45 FT SRAN  PRESTRESSED CONCRETE I-GIRDER,	EACH	10	ſ <u> </u>			
06-10-10	GUARD RAIL TYPE A	LIN FT	300 /4	4	706-10.60	56 FT SPAN			, [			
506-22.00	BRIDGE ANCHOR SECTION (SAFETY BARRIER CURB)	EACH	4 10	<del> </del>		REINFORCING STEEL (BRIDGES)	POUND .	32,610	/			
00-30-00	TERMINAL SECTION			1	712-36.10	SLAB DRAIMS	EACH	26				
		EACH	14 11	1								
65-65.00	END SECTION	EACH	4.70			BRIDGE DWG. NO. A-41081 AT STA. 1049+49.50						
09-10-10	CONCRETE CURB (& IN. HEIGHT AND UNDER) TYPE S	LIN FT	744 N	1. [	702-99.01	STRUCTURAL STEEL PILE	LIN FT	871				
11-30.10	FURNISHING TYPE I ROCK BLANKE?	CU YE	726		712-99-10	FURNISHING SUPERSTRUCTURE	LUMP SUM	1-2				
11-30.30	PLACING TYPE 1 ROCK BLANKET	SU YO	1278	t t	712-99.11	ERECTING SUPERSTRUCTURE	LUMP SUM	1 7		<del></del>		
12-10.30	MOVABLE BARRICADES	EACH	12/8		712-90.12	REMOVING AND STORING SUPERSTRUCTURE	LUMP SUM	1 7				
16-10.05	CONSTRUCTION SIGNS	SQ FT	1	1		·				NOTE:		<del> </del>
16-10-20	DRUMS	EACH	384	+ 1		·				"Includes 279 C.Y. Rounding		
16-10.46	TYPE II OBJECT HARKER	EACH	30 /0	1	_	CONTINGENT ITEMS						<u> </u>
16-10.47	TYPE III OBJECT MARKER	EACH	16	<b>}</b>	501.01	Mule Xing Mtrl.	Cu. Yd.	60 -00				
16-10-50	FLASHING ELECTRIC LIGHT			1	501.02	Ditch Liner	Sq. Yd.	567 V				<u> </u>
18-10.00		EACH	410		501.03	Asph. Density Samples Bridge NO A-4108	Sach	5-				
	MOBIL TRATION	LUMP SUM	1	1	502.01	Bridge NO A-4108 2 Exc. Str. Below Plan	cu. Yd.	1				
21-04-21	TEMPORARY PAVEMENT STRIPING. 4 IN., SOLID YELLOW	100 FT	-64 /V	1	502.02	Bridge No. Fi-4108		48				
521-10.00	PAVENENT STRIPE REMOVAL	100 FT	3 //	1	SULIUL	Drilling Test Holes	Lin.Ft.	45		<del>                                     </del>	-	
2	Od By 15752 Date 1/29/2				Checked					off B1 Mark J. Loster	01 01	30.1-2-1

ED. ROAD STATE SHELT PROJECT MISSOURI STATE HIGHWAY COMMISSION 5 MO. BR--150-Job No. 1-P-100-186 DIST. NO. COUNTY KOUTE SUMMARY OF QUANTITIES sheet lof 2 BARTONI 1400 FLEMOVAL OF IMPROVEMENTS BEINF - DNC PIFE LULVERT LASS IT Tupe Caller Flored
Tupe 4 24 End Sec FINAL PLANS Remarks Lamp inille height irade 15 24" 30 F 100 E 171 30'TOP 1039126 RE. 30 Top ~ G"THE C ASH. CONG. ON 1041 f33 C.E. 1,00 40' Top BI 12-== 100 . 56 1044/85 2E 70= - 1.8 St. 1047/54 FE (354100) FE , '= : , +13.0 . COCATOO F.E. Place in Lt ditch Totals 51 284 52 CONCRETE CURB TYPE S BUARD RAIL TYPE A Sta Loc. Lin. Term. Br.Anch: Remarks

Ft. Sec. Sec. \* \* SAFETY BARRIER CLRB

(STO GGG 22.0) Sheet Sta. Sta. Loc. Ft. Pagmarks 75 | | @ Br. End 75 | | | @ Br. End 75 | | @ Br. End 75 | | @ Br. End 75 | | @ Br. End 1037/50 - 1037/65 Rt. 15 Along R/W Line 1037/65 Rt. 14 Rt. Side of Ent. Rf. 75 | Lf 75 | Rf 75 | Lf. 75 | 1048± - YOA9= 1043= 105/± -1053± 300' 4 4 RIGHT OF WAY MARKERS Constructed by Others Total ~ 744 Location 3FF. THICK TYPE I ROCK BLANKET 1045+50 60' Sheet Sta. Location Furnish Phoing 1046+50 CLEARING & GRUEBING 104713 Threat and 386 500 Incl. 134 ev. From Exist Port. 1051482 Est Friege 380 7 Thel. 348 CV. From Exist Port. 1046150 60' 1050100 100' 1052+00 120' Mule 1 cessing 10 10 C.D. 71 1053/25 10' Units Units 10' 10G41485 70' 161 93 10641485 1 30 3 1064/74 >3 1064174 30' 102 1.2 Ad 2.4 AC SODDING REINF. CONG. PIPE CULVERT CLASS III Sheet Sta. to Sta. Loc. ditch depth Leight Surf. Shows 64 Figurarks width width SHEET STA LOC SKEW 18" C.Y REMARKS
4 100015067-PASS 58' 13 SALVAGE F NETTING TYPE III SALVAGE FOR MAINT. 3 1035+70 - 1036+05 Lt. 5.5' 0'-9" 35' 8 4.51, 31 CULVERT SEC. SHOWN Sta to Sto Location Exceptions S.Y. ON X-SEC. SHEET NO. 1046135 TOTALS - 158' 13 TOTAL-

SIGN

W1-1L 48x48 W1-1R 48x48

W1-2L 18x48

W1-2R 48x48 W1-3L 48×48 W1-3R 46×48

SIZE (INCHES)

	to avenue	W1-3R	48x48	16.0					REVERSE TURN (SYMBOL RIGHT ARROW)
	Table 1	W1-4L	48x43	16.0	2	32.0			REVERSE CURVE (SYMBOL LEFT ARROW)
		W1.4R	48x48	16.0	2	32.0			REVERSE CURVE (SYMBOL RIGHT ARROW)
	l.	W1.8	46x24	8.0			i		HORIZONTAL ARROW (SYMBOL)
	The state of the s	W1-6e	72x36	18.0				<b>†</b>	HORIZONTAL ARROW (SYMBOL)
	X .	W1-7	43x24	8,0		\	<del>                                     </del>	†	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
	Mingram.	W1-7a	72x36	18.0	i		1	-	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
	STEEL ST	W1-8	18x24	3.0	<del>-</del>				
	SAUGE SAUGE	COMMERCIAL PROPERTY.	·	16.0	<del> </del>			·	CHEVRON (SYMBOL)
	THE PARTY	W3-1	48x48				ļ		STOP AHEAD
	EMSKATA	W3-2	48×48	16.0					YIELD AHEAD
	2000	M3-3	48x48	16.0	ļ		<u> </u>		SIGNAL AHEAD (SYMBOL)
	erten	W3-3X	24×18	3.0	ļ				SIGNAL AHEAD (PLAQUE)
	2000	W3-4	48x48	16.0		l			BE PREPARED TO STOP
	200000	W5-1	48x48	16.0			]		ROAD NARROWS
	2005000	W6-3	48x48	16.0					ONE LANE BRIDGE
		W6-1	48x48	16.0	T			T	DIVIDED HIGHWAY
	Nage day	W6-2	48x43	16.0		· -			DIVIDED HIGHWAY ENDS
	2002000	W6-3	48x48	16.0					TWO WAY TRAFFIC
	SECONO.	W8-1	48×48	16.0	İ			<del> </del>	BUMP
	Mary College	W8-2	48x48	16.0	<del></del>		<del></del>	<u> </u>	
	enderson.	W8-3	485:48;	16.0	\				DIP
	disease				<del> </del>				PAVEMENT ENDS
	Manual Ma Manual Manual Manual Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma	W8-4	48x48	16.0				ļ	SOFT SHOULDER
	Manage	W8-5	48x481	16.0	<u> </u>				SLIPPERY WHEN WET (SYMBOL)
	Books	Wesx	240;18	3.0					SLIPPERY WHEN WET (PLAQUE)
	Sistement	W8-6	48).415	16.0					TRUCK CROSSING
	24 th Zing	W9-7	48:(41)	16.0					LOOSE GRAVEL
	2000	W8-9	48x43	16.0					LOW SHOULDER
		W9-1	4614413	16.0	·	<u> </u>			RIGHT LANE ENDS (Includes LEFT/CENTER plate)
	The same	W9-2 ·	48n43	16.0	i			<del>                                     </del>	
		W10-1	42 Diameter	9.6		<u> </u>		<del> </del>	LANE ENDS MERGE RIGHT (Includes LEFT plate)
	The second	W12-1	H4M2f	4.0	<del></del>				RAILROAD CROSSING
	1	W12-2	48x43	16.0		<del> </del>			DOUBLE DOWN ARROW (SYMBOL)
	Meseriks	W12-2X	24x13		<del></del> -	ļ	ļ		LOW CLEARANCE (SYMBOL)
	See			3.0		ļ	. /	ļ <u>_</u>	LOW CLEARANCE (PLAQUE)
	matereliza	W12-3	144x24	24.0		<u> </u>	<u> </u>		OVERHEAD LOW CLEARANCE (FEET AND INCHES)
	discount of	W13-1	24x21	4.0	4	16.0			ADVISORY SPEED PLAQUE
	Total Land	W20-1	48×43	16.0	4	`64.0		]	ROAD CONSTRUCTION AHEAD (Includes RAMP/BRIDGE p
	9	W20-2	48x43	16.0	,5 ,	~32.0 °			DETOUR AHEAD (Includes 500 FT./1000 FT. plate)
		W20-3	48x43	16.0	\				ROAD CLOSED AMEAD (Includes 500 FT./1000 FT. plate)
		W20-4	48x43	16.0	2	32.0			ONE LANE ROAD AHEAD
		W20-5	A8x48	16.0				<del></del>	
		W20-6	48x48	16.0				<del></del> -	RIGHT LANE CLOSED AHEAD (Includes LEFT/CENTER pla
<b></b>		W20-7	48x48	16.0	2	32.0	<del></del>	<del> </del>	RIGHT LANE CLOSED (Includes LEFT/CENTER plate)
		W20-9	43×4B	16.0	5			·	F :MAN AHEAD (Includes 500 FT./1000 FT. plate)
		W21-2	48x48			80.0		·	t : TRENCH
<b>h</b> :		W21-5	48x48 -	16.0					FRESH OIL
		W21-7		16.0					SHOULDER WORK AHEAD
			36x36	9.0					SAND BLASTING
W		W25-1	24x6	1.0					1000 FT1500 FT. (BACK TO BACK DISTANCE PLAQUE)
W		W25-2	24x6	1.0					200 FT500 FT. (BACK TO BACK DISTANCE PLAQUE)
		W25-2a	24x6	1.0					1/2 MILE-1 MILE (BACK TO BACK DISTANCE PLAQUE)
	200	i							
<b>A</b> .	moon.								
M.								<del></del>	
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· ; . *							L		
· - ' '	H	de .	-n -m						
,	B B								

QUANTITY RELOCATED AREA (SQ. FT.)
WARNING SIGNS

SIGN LEGEND

TURN (SYMBOL LEFT ARROW)

TURN (SYMBOL RIGHT ARROW)

CURVE (SYMBOL LEFT ARROW) CURVE (SYMBOL RIGHT ARROW)

REVERSE TURN (SYMBOL LEST ARROW)

TOTAL AREA (SQ. FT.)

AREA (SQ. FT.) QUANTITY

16.0

16.0

16.0

16.0

16.0

16.0

## SUMMARY OF QUANTITIES

SIGN	SIZE (INCHES)	AREA (SQ. FT.)	QUANTITY	TOTAL AREA (SQ. FT.)	QUANTITY RELOCATED	TOTAL RELOCATED AREA (SQ. FT.)	SIGN LEGEND
-							
		<del> </del>					
		<u> </u>					
		<del> </del>			·		
	-			R	EGULATOR	Y SIGNS	
R1-1	48x48	13.25			TOOLATOR	1 310143	STOP
R1-2	48x48x48	6,93				·	YIELD
R1-2x	36x36	9.0					TO ONCOMING TRAFFIC (PLAQUE)
R1-3	20x9	1.25					4-WAY (PLAQUE)
R1-5 R2-1	20x9 36x48	1.25					3-WAY (PLAQUE)
R2-5	36x48	12.0					SPEED LIMIT
R3-1	36x48	12.0					REDUCED SPEED AHEAD NO RIGHT TURN
R3-2	36x48	12.0			<del>                                     </del>		NO LEFT TURN
R3-3	36x36	9.0					NO TURN
R3-4	36x48	12.0					NO U-TURN
R3-7R R3-7L	30x30	6,25 6,25					RIGHT LANE MUST TURN RIGHT
R4-1	36x48	12.0	<u> </u>				LEFT LANE MUST TURN LEFT
R4-2	36x48	12.0			-		DO NOT PASS PASS WITH CARE
R4-7	36x48	12.0					KEEP RIGHT (HORIZONTAL ARROW)
R4-8	36x48	12.0					KEEP LEFT (HORIZONTAL ARROW)
R4-17	36x36	9.0					KEEP RIGHT
R418	35x36	9.0					KEEP LEFT
R5-1 R5-1a	30x30 30x24	6.25					DO NOT ENTER
R6-1L	48x18	6.0			ļ		WRONG WAY
R6-1R	48x18	6,0			<del> </del>		ONE WAY ARROW (I.EFT) ONE WAY ARROW (RIGHT)
R6-2L	24x30	5.0			<del> </del>		ONE WAY (LEFT)
R6-2R	24x30	5.0		\			ONE WAY (RIGHT)
R11-2	48x30	10.0	2	,50.0			ROAD CLOSED
R11-3	60x30	12.5					ROAD CLOSED MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60x30	12.5					ROAD CLOSED TO THRU TRAFFIC
	_	ļ			ļ		
		<del> </del>					
		<del> </del> -		<del></del>			
		-			<u> </u>		
		<del> </del>					
			-				
		-	_				
$\neg$							
					GUIDE S	GNS	
	60x36	15.0		\			ROAD CONSTRUCTION NEXT MILES
20-2	60x24	10.0	,5	,50.0			END CONSTRUCTION
	30x15 48x36	3.13					DETOUR (PLAQUE)
14-9K 14-9L	48x36	12.0	\		<del></del>		DETOON (MIGHT ANNOW)
14-10R		6.0	1/2/	12.0	<del>  -  </del>		DETOUR (LEFT ARROW) DETOUR (ARROW RIGHT)
_	48x18	6.0	12/	12.0	<del>                                     </del>		DETOUR (ARROW LEFT)
	24x18	3.0					DETOUR ENDS
	21x15	2.19					ADVANCE RIGHT TURN ARROW
15-1L	21x15	2.19					ADVANCE LEFT TURN ARROW
		<del></del>					
		<u> </u>			<del> </del>		
					<del> </del>		
I			<del>- 1</del>				<del>-</del>
516-10	0.05 CON	TRUCTIO	N SIGNS	3810			

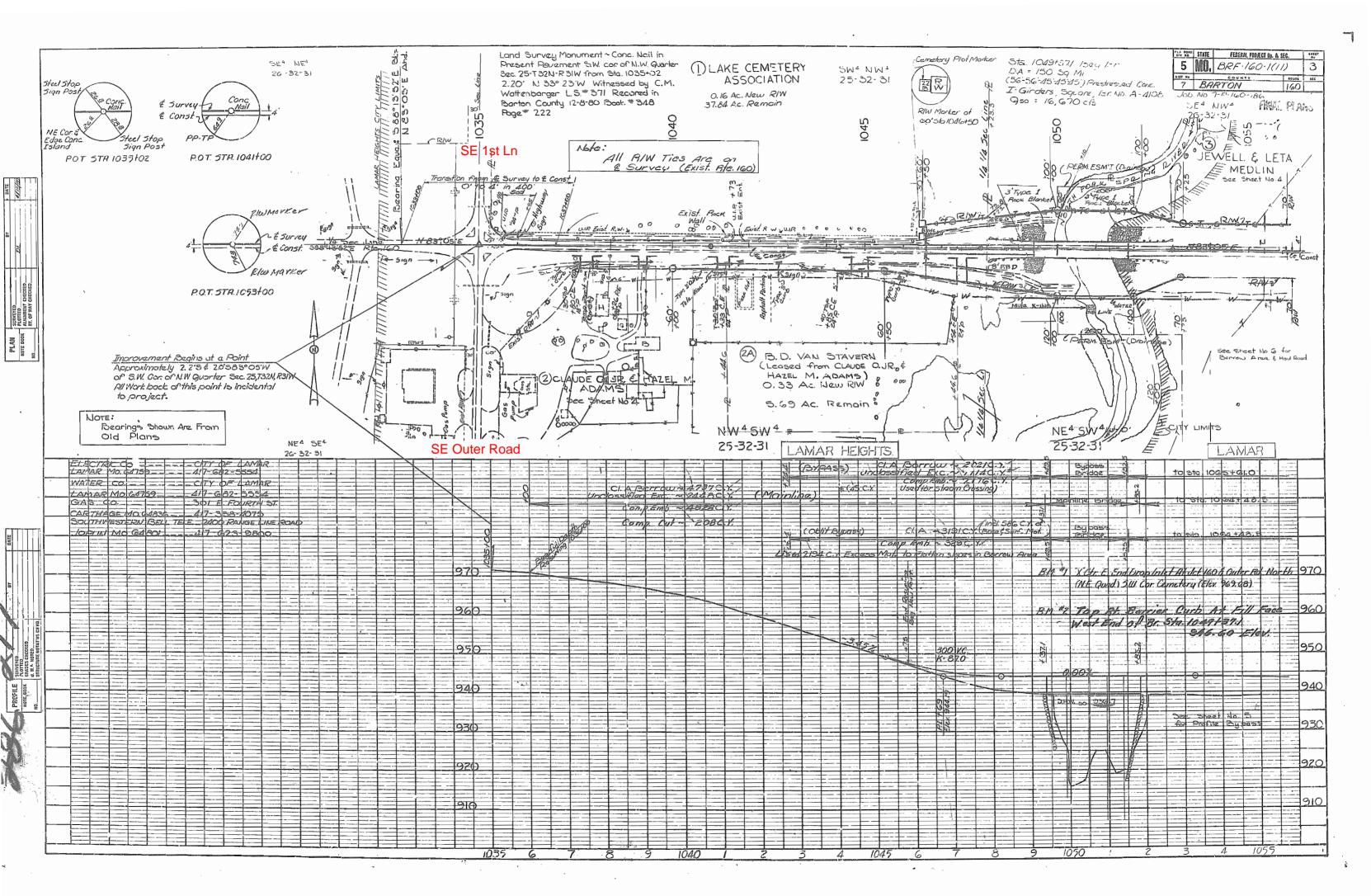
STATE MO.	JOB NO. 7-P-160-186	SHEET NO.
DIST. NO.	PROJECT NO. BRF-160-1 (11)	ROUTE
7	COUNTY BARTON	160

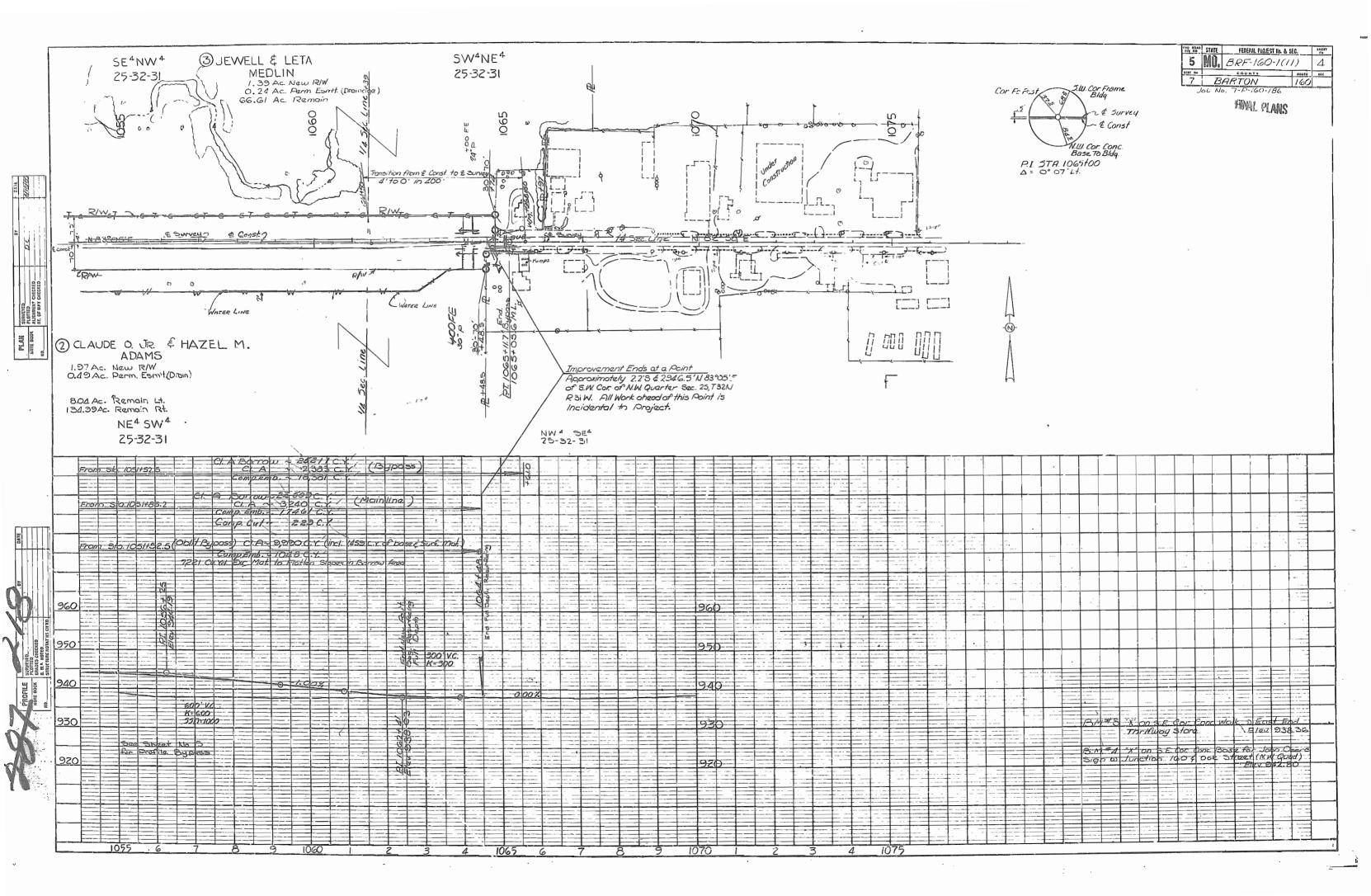
### FINAL PLANS

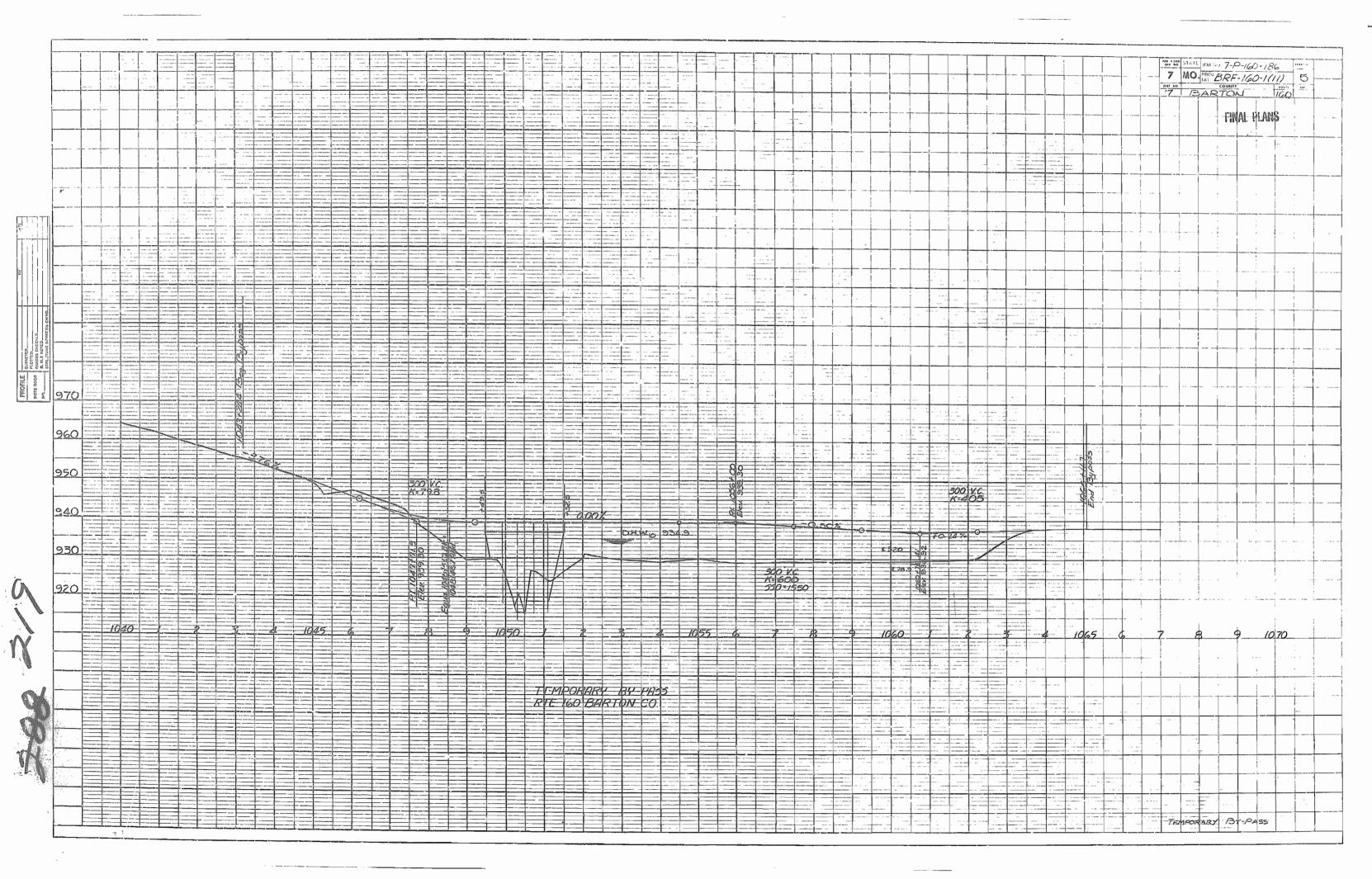
ITEM NUMBER	SIZE (INCHES)	TOTAL	DESCRIPTION
616-10.20	36x18	12	DRUM
616-10,35	One Rait		TYPE I BARRICADE
	8x24		
616-10.36	Two Rails		TYPE II BARRICADE
	8x24		
616-10.40	36×72		FLASHING ARROW PANEL
616-10.45	18x18		TYPE I OBJECT MARKER
616-10.46	6x12	30	TYPE II OBJECT MARKER
616-10.47	8x24	16	TYPE III OBJECT MARKER
616-10.50	8x8	4	FLASHING ELECTRIC LIGHT
616-10.51			WARNING LIGHT TYPE A
616-10.52			WARNING LIGHT TYPE B
616-10,53			WARNING LIGHT TYPE C
616-10.60			RAISED PAVEMENT MARKER
		i	
612-10.30	Three Rails	4	MOVABLE BARRICADE
	72x144		
1	1		
621-10.00	Per 1001	\\3	PUT. STRIP REMOVEL
622-10.00	PER MILE	0.6	TEMP, Put. Marking
621-04.21	PER 100'	44	TEMP, PUT, STEIP (2-A" Yallow)
			PHI DIVINI AND AND AND AND AND AND AND AND AND AND

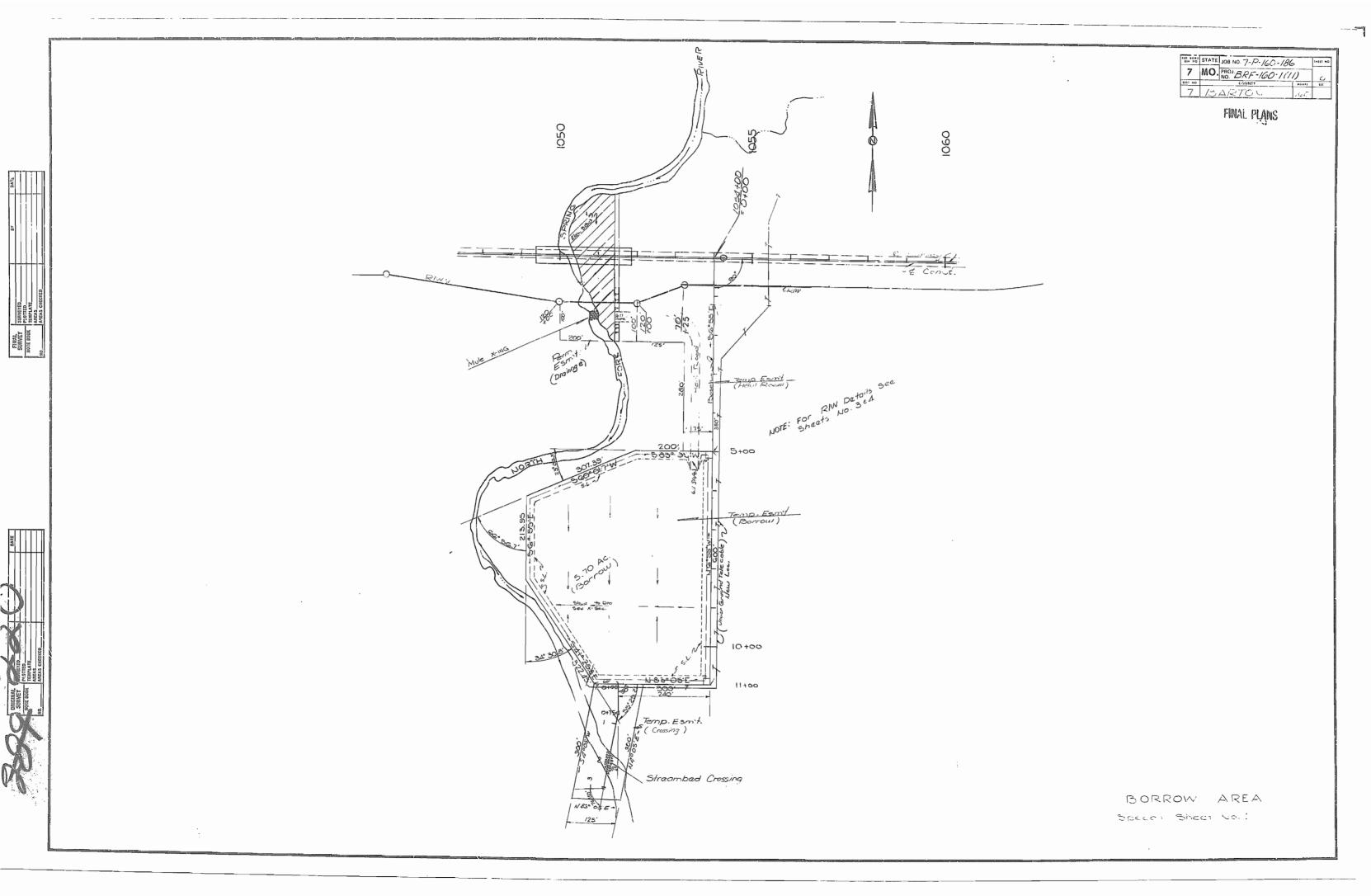
Signs, Plat's, and Plaques shall be faced with Type 1 Reflective Streeting in Accordance with Sec 1042.

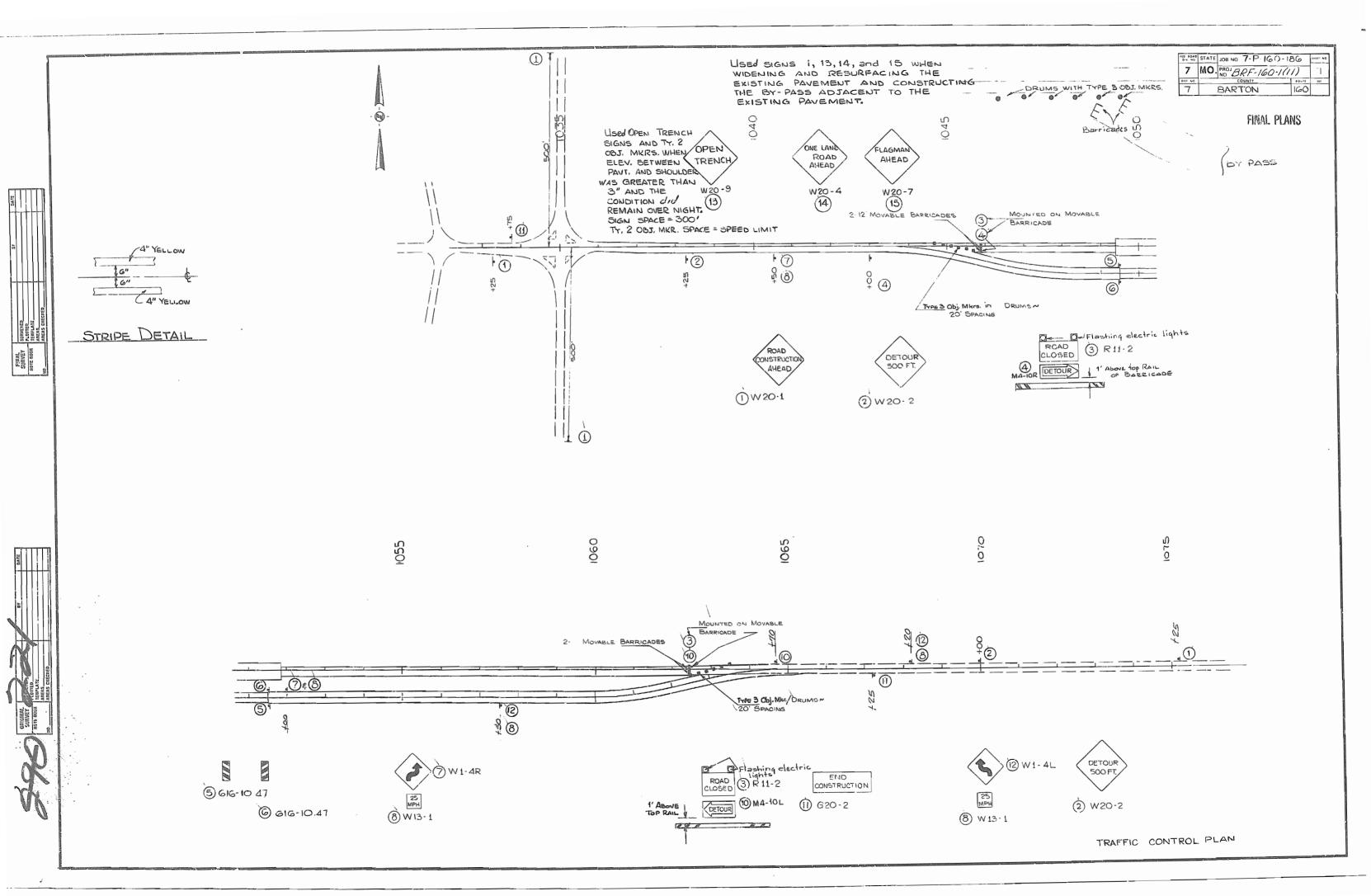
. PLAQUES shall have a black border. PLATES do not have a border.











SP-2 May, 1983

-		
	NO.	DESCRIPTION
7	203.00E	FXCVATION & EMBANKMENT
-	203.02C	UNDERGRADING
	203.10/\	TABULATED EARTHWORK & SECTION DATA
1	203.20A	SUPERECEVATION SPIRALS & WIDENING (UNDIVIDED)
-	203.21A	SUPEREI EVATION SPIRALS & WIDENING (DIVIDED)
-	203.30A	ENTRANCES & APPROACHES (LESS THAN 400 ADT)
7	203.318	ENTRANCES & APPROACHES (GREATER THAN 400 ADT - NO SAFETY ZONE)
_	203.32D	ENTRANCES & APPROACHES (GREATER THAN 400 ADT - SAFETY ZONE)
	203.35A	MAILBOX TURNOUTS
	203.40D	TYPICAL DETAILS-RAMPS FOR INTERCHANGES (NO SAFETY ZONE)
_	203.41D	TYPICAL DETAILS-RAMPS FOR INTERCHANGES (SAFETY ZONE)
	203.50J	TYPICAL CROSS OVERS (DIVIDED HIGHWAYS)
	200.000	THERE GLOSOVERS INVESTOR
	204.00D	EMBANKMENT CONTROL MEASURING DEVICES
	204,000	CHOMENTO CONTROL MEAGAINED DE VOLUME
	502.00H	CONCRETE PAVEMENT APPURTENANCES
	502.10C	DOWEL SUPPORTING UNITS
	.302-100	POWER OF THE STATE
	503.00H	CONCRETE APPROACH SLABS TO BRIDGES (ALSO INCLUDE 502.00)
	303.007	CONSTITUTE ATTENDED OFFICE TO BRIDGE PRIOR TRACES
	602.006	RIGHT-OF-WAY & DRAIN MARKERS
	602.004	Right-Orwar & Draw manachs
—	604.05A	PIPE CULVERT HEADWALLS - TYPE S
	ACO.400	PIPE COLVERT READMACES - TITE S
	eo4 100	HEADWALL DITH ENERGY DISCIPATOR 19"
	604.108	HEADWALL-WITH ENERGY DISSIPATOR - 18" HEADWALL-WITH ENERGY DISSIPATOR - 24"
	604,118	
	60a.12B	HEADWALL-WITH ENERGY DISSIPATOR - 30"
	604.130	HEADWALI -WITH ENERGY DISSIPATOR - 36"
	G04.14B	HEADWALL-WITH ENERGY DISSIPATOR - 42"
	604.158	HEADWALL-WITH ENERGY DISSIPATOR - 48"
	201.550	
	604.208	DROP INLET - TYPE B
	604.21B	DROP INLET - TYPE C
	604.228	DROP INLET - TYPE D
	604.238	DROP INLET - TYPE E
	604.24B	DROP INLET - TYPE EE
	604.25B	DROP INLET - TYPE F
	604.26C	DROP INLET - TYPE G
	604.27C	DROP INLET - TYPE S (3 SHEETS)
	604.281)	DROP INLET - TYPE T (ALSO INCLUDE 614.30)
	604.29C	DROP INLET TYPE X
	604.30F	CONCRETE MANHOLES (ALSO INCLUDE 614.30)
_	604,40E	PIPE COLLARS
	ļ	
	605.10A	CLASS A UNDERDRAINS
	ļ	
مما	606.00Ω	GUARD RAIL (2 SHEETS)
	606.20G	BRIDGE ANCHOR SECTION (BRUSH CURB)(ALSG INCLUDE 606.00)
	606.21D	BRIDGE ANCHOR SECTION - CURB TYPE (ALSO INCLUDE 608.00)
1	606.22D	BRIDGE ANCHOR SECTION (SAFETY BARRIER CURB)(INCLUDE 606.00)
للممسورة	606.30E	TERMINAL SECTION (ALSO INCLUDE 608.00)
	606.40A	GUARD CABLE
	ļ	
	607.10N	CHAIN LINK FENCE
	607.116	CHAIN LINK FENCE FOR RETAINING WALLS
	607.205	WOVEN WIRE FENCE (ALSO INCLUDE 897.10)
_	3	

## MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION STANDARD PLANS

Second 1	NO.	DESCRIPTION
	608.008	PAVED APPROACHES
	608.10F	CONCRETE SIDLWALK & WHEELCHAIR RAMPS
	608.208	CONCRETE STEPS
7	609.0VG	CONCRETE CURB CURB JUTTER GUTTER
	609.15A	PAVED DITCHES
	609.40D	DRAIN BASIN, SHI DR. PAVING & FIL! SLOPE AT BR. ENDS
	609.60A	DITCH LINER
	609.70C	ROCK LINING FOR CULVERT OUTLETS
$\neg$	310.20E	BRICK MANHOLES (ALSC INCLUDE 314.30)
	611.60K	CONCRETE SLOPE PROTECTION
7	612.10K	BARKICADES AND FLASHER SIGNS
7	614.10G	CURB INLETS, GRATES & DEARING PLATES
T	614.30C	MANHOLE FRAMES & COVERS
1	615.00A	OFFICE FOR ENGINEER
eg	616.10B	TRAFFIC CONTROL DEVICES (2 SHEETS) (ALSO INCLUDE 963.61)
TÌ	617.00Ω	CONCRETE MEDIAN BARRIER (3 SHEETS)
T	702.01F	16" CONCRETE PILES (APPROVED TYPES) (2 SHEETS)
T	702.0213	CAST-IN-PLACE CONCRETE PILES (APPROVED TYPES)
$\dashv$	703,15D	CONCRETE BOX CULVERTS, H15 LOADING (3 SHEETS) (INCL. 706.35)
寸	703.1GC	CONCRETE BOX CULVERTS, H15 LOADING (3 SHEETS) (FLARED WINGS) (INCL.
		706.35)
-1	703.20D	CONCRETE BOX CULVERTS, HS20 LOADING (3 SHEETS) (INCL. 706.35)
-	703.21C	CONCRETE BOX CULVERTS, HS20 LOADING (3 SHEETS) (FLARED WINGS) (INCL.
-		706.35)
-	703.24D	CONCRETE BOX CULVERTS, SKEW DATA (703.15, 703.20, 703.30) (INCL. 705.35)
-1	703.25C	CONCRETE BOX CULVERTS SKEW DATA (763.16 & 703.21) (3 SHEETS) (FLARED
$\neg$	700.250	WINGS) (INCL. 706,35)
-1	703,30C	CONCRETE BOX CULVERTS, 4' SPANS & LESS - ALL LOADING (INCL. 706.35)
-	703,35B	CONCRETE BOX CULVERTS, CUTTING DETAILS (STRAIGHT WINGS) (INCL. 706.35)
	703.36A	CONCRETE BOX CULVERTS, CUTTING DETAILS (FLARED WINGS) (INCL. 706.35)
	703.50D	CONCRETE DOUBLE BOX STRUCTURE - SQUARE (INCL. 706.35)
	703,51C	CONCRETE DOUBLE BOX STRUCTURE - SKEWIED (INCL. 706.35)
	703.52B	CONCRETE DOUBLE BCX STRUCTURE - CUT SECTIONS (INCL., 706.35)
	703.53C	DOUBLE BOX STRUCTURE TOP SLAB REINF. H15 LOADING (6 SHEETS)
	703.53C	DOUBLE BOX STRUCTURE TOP SLAB REINF. H20 OR HS20 LOADING (6 SHEETS)
-		
	703.55A	CONCRETE DOUBLE BOX STRUCTURE (FLARED WINGS) SQUARE (INCL. 705.35)
	703.56A	CONCRETE DOUBLE BOX STRUCTURE (FLARED WINGS) SKEWED (INCL. 706.35)
	703.60C	CONCRETE BOX STRUCTURE - PIPE INLET
	706.3UD	REINFORCING BAR SUPPORTS
	706.35D	BAR SUPPORTS FOR CONCRETE REINFORCEMENT
	712.40B	STEEL DAMS FOR BRIDGES (6" CHANNEL)
	712.41B	STEEL DAMS FOR BRIDGES (4" CHANNEL)
	725.31C	METAL CURTAIN WALL AND METAL INLETS
/	726.30B	CULVERT INSTALLATION METHODS
	731.06N	PRECAST MANHOLES (ALSO INCLUDE 614.30)
	731.10F	PRECAST DROP INLETS (4 SHEETS) (ALSO INCLUDE 614.30 & 614.10)
1	732.06G	FLARED END SECTION (2 SHEETS)
,	806.00C	EROSION CONTROL NETTING (INSTALLATION) TYPE I
سميا	806.02	STAPLE PLACEMENT FOR TYPE III NETTING
L		
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1	\$	

STATE	JOB NO. 7- F-160-186	SHEET NO	Q
	PROJECT NO. BRF-160-1(11)	ROUTE	(2)
7	COUNTY BARTON	160	

1000	NO.	DESCRIPTION
- Lama	-	HIGHWAY LIGHTING
	301.00K	FOLES & APPURTENANCES - 30' (3 SHEETS)
	901.01P	POLES & APPURTENANCES - 45' (3 SHEETS)
	901.65A	- ONTROL PANEL CABINET DETAILS (2 SHEETS) (NOTE BELOW)
	901.12A	POLE MOUNT, CONT. STA. SECONDARY SERV. 480 V MULTI, CIR. (NOT METERED)
	901.15C	
		POLE MOUNT, CONT. STA. SEC. SERV. 170, 240, 8 480 V .1UI TI. CIR.
	901.16B	POLS MOUNT, CONT. STASEC. SERV480 V MULTI, CIR. (METERED)
	901.186	POLE MOUNT, CONT. STASEC. SERV120/240 V MULT), CIR.
	931.198	POLE MOUNT, CONT. STASEC. SERV240 V MULTI. CIR. (NOT METERED)
	901.208	FOLE MOUNT, CONT. STA.SEC. SERV. 120/240 V MULTI. CIR. (SIG. METERED)
	901.22C	POLE MOUNT, CONT. SYA, SEC. SERV. 120/240 & 480 VULTI, CIR. (BOTH
		METERED)
$\vdash$	901.23C	POLE MOUNT, CONT. STAISEC, SERV-240 V MULTI, CIR. (METERED)
$\vdash$	901.248	POLE MOUNT, CONT. STA. SEC. SERV. 240 V MOLTI, CIR. (11'S & SIGS-BOTH
$\vdash$		METERED)
	901.25B	DASE MOUNT, CONT. STASEC, SERV.120-240 V MULTI, CIR.
$\square$	NOTE:	ALSO INCLUDE 901.05 WITH 901.12 THROUGH 901.25 EXCEPT 901.18
$\overline{}$		TRAFFIC SIGNALS
	902.030	SIGNAL HEADS, LENSES AND MOUNTING
	902.10C	PULL BOXES, CONTROLLERS, COND. LOCATION, POWER SUPPLY
$\vdash$	902.21A	TELEPHONE INTERCONNECT
_	902.30C	CONCRETE BASES
	902.40C	TUBULAR STEEL POST
$\vdash$	902.50D	DETECTORS
-	902.60D	SPAN WIRE DETAILS - STEEL POST
-	902.70	SPAN WIRE DETAILS - WOOD 'OLE
-	552.70	OF ALV THILE DETAILS HOSS OLD
_	<del> </del> -	
-	ļ	I III CILIMA V CICALING
<u></u>	ļ	HIGHWAY SIGNING
1	903.01C	ALPHABETS (2 SHEETS)
	903.02\$	HIGHWAY SIGNING (7 SHEETS)
	903.03AD	SIGN MOUNTING DETAILS (6 SHEETS)
	903.04C	WEIGH STATION SIGNING
<u></u>	903.05C	TUBULAR SPAN SUPPORT - ONE TUBE, TYPE S
_	903.06C	TUBULAR SPAN SUPPORT - TWO TUBE, TYPE S
	903.07C	TUBULAR CANTILEVER SUPPORTS, TYPE C
L_	903.08C	TUBULAR BUTTERFLY SUPPORTS, TYPE B
	903.03C	LIGHTING SUPPORT BRACKET
	903.108	SIGN TRUSSES · OVERHEAD ALUMINUM (3 SHFETS) (INCL. 903.03)
	903.12L	SIGN TRUSSES - BUTTERFLY & CANTILEVER - STEEL (7 SHEFTS) (INCL. 903.03)
-		
	903.600	SIGN TRUSSES - OVERHEAD STEEL (7 SHEFTS) (INCL. 903.03)
	1	
$\vdash$	<del> </del>	
-	+	

NOTES: Plans for this project were developed using Drawings from this index.

# DESIGN DESIGNATION E/O RTE.KK E. C/L A.D.I. - 1989 = 5150 2300 A.D.T. - 2009 = 6700 3270

V = 50 M.P.H.

# MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

# PLANS FOR PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT

BARTON	COUNTY
DAKION	COUNTY



FINAL PLANS



EQUATION

COUNTY	BARTON	/
ROUTE	160	
PROJECT_	F-160-10	(15)
JOB NO.	\ 7-P-160-40	00 /

### INDEX OF SHEETS

	SHEET
DESCRIPTION	NUMBER
TITLE SHEET	- 1
TYPICAL SECTIONS ( 3 SHEETS)	- \2
SUMMARY ( / SHEET )	- \ 2-A
SUMMARY ( 3 SHEETS)	- \2-B
PLAN-PROFILE	- \3-6
REFERENCE POINTS	
SPECIAL SHEETS	- 7-14
LIGHTING	
SIGNALS	4
SIGNING	-\
CULVERT SECTIONS	15-16
BRIDGE DRAWINGS	
STANDARD PLANS INDEX	
CROSS SECTIONS	
COMPUTER DATA	

### LENGTH OF PROJECT

END OF PROJECT STA.
BEGINNING OF PROJECT STA. 539+ 12.1 1115 +73.9

APPARENT LENGTH

57661.8 FEET

EQUATIONS AND EXCEPTIONS

EQUATIONS AND EACH ....

EXCEPTION

1353+00 TO 1379+02.5 - 2602.5

EQUATIONS

1382+00 BK. = 1382+71.3 AHD. + 15.1

1450+48.5 BK. = 1450+33.4 AHD. + 15.1

1640+49.9 BK. = 539+12.1 AHD. + 110137.8

TOTAL CORRECTIONS

TOTAL CORRECTIONS

107479.1 FEET

49817.3 FEET

9.435 MILES

FEDERAL LENGTH

STATE LENGTH

9.435 MILES

### MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

Claime Musi

12-19-88 DATE

DATE

U.S. DEPARTMENT OF TRANSPORTATION FEDÈRAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ADMINISTRATOR

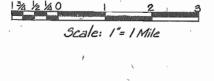
CONVENTIONAL SIGNS

BUILDINGS AND STRUCTURES GUARD RAIL
CONCRETE RIGHT-OF-WAY MARKER
STEEL RIGHT-OF-WAY MARKER FENCE CHAIN LINK WOVEN WIRE

GATE TELEPHONE (OVERHEAD) POWER GAS WATER SEWER TELEPHONE (Underground)

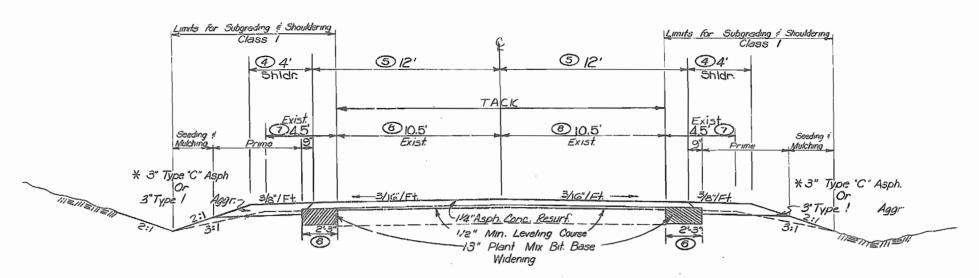
TITLE SHEET LEGEND

NOTE: DASHED OR OPEN SYMBOL INDICATES





FINAL PLANS



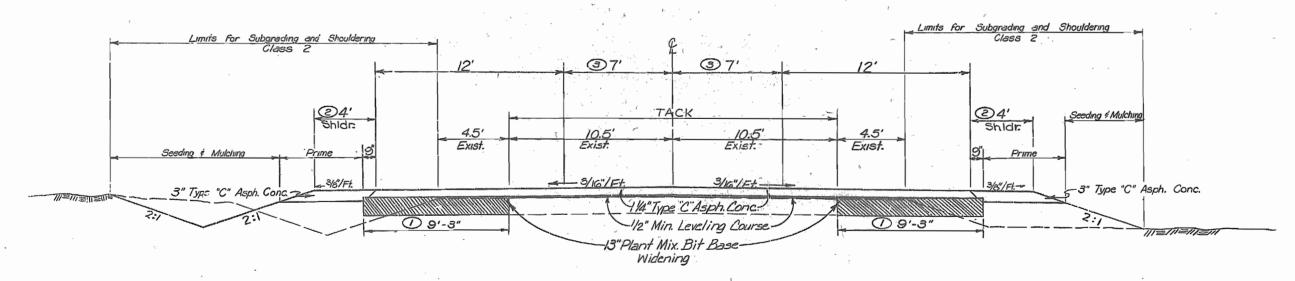
(4) \* Transition from 1'-0" € 1350+03.3 to 0'-0" € 1350+62.6 Transition from 4'-0" € 539+57.12 to 4'-6" € 539+79.6 4'-6" from 539+79.6 to 540+37.1 TYPICAL SECTION

STA. 1157+9439 to STA. 1353+00 STA. 1379+02.5 to STA. 540+37.1

- Transition From 12'-0" @ 1640+49.9 Bk.= 539+12.1 And. to 10'-6" @ 539+79.6 10'-6" from 539+79.6 to 540+37.1
- 6 Transition From 2'-3" € 1640+49.9 Bk.= 539+12.1 And. to 0'-9" € 539+79.6
  - Varies from 4'-6" 

    √2 | 350+033 | 10 8'-0" 

    √2 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1353+00 | 1
  - (3) Varies from 10'-6" © 1350+03.3 to 12'-0" © 1353+00 Varies from 12'-0" © 1379+02.5 to 10'-6" © 1383+71.3



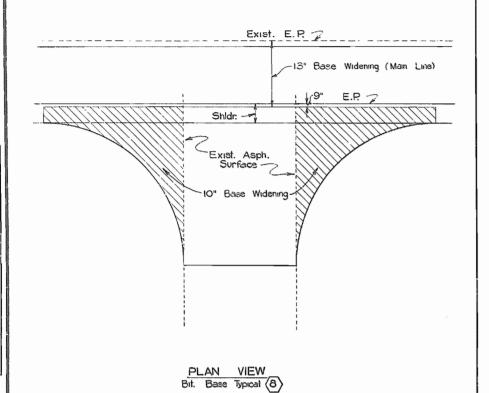
Transition from 2'-3" @ III5+73.9 to 9'-3" @ III7+40
Transition from 9'-3" @ II54+44.39 to 2'-3" @ II57+94.39

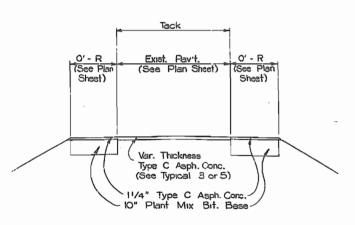
TYPICAL SECTION

STA. 1115+73.9 to STA. 1157+94.59

- (2) Asph. Shldrs. end @ 1148+00 ± . Beg. 3" Aggr. Shldrs.
- (3) Transition from 0'-0" @ III5+80 to 7'-0" @ III7+40
  Transition from 7'-0" @ II54+44.39 to 0'-0" @ II57+94.39

TYPICAL SECTION



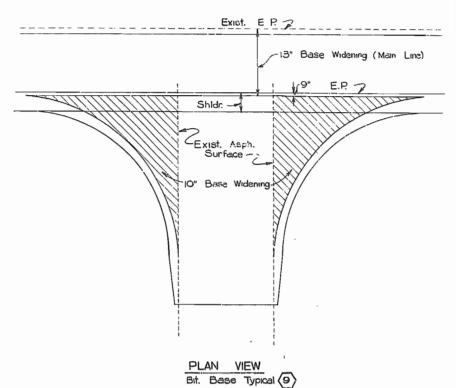


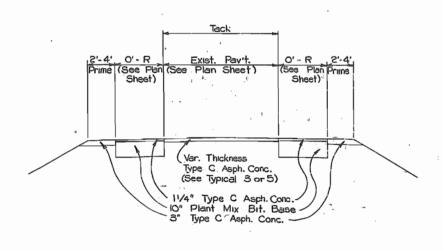
TYPICAL SECTION

Bit. Base Typical (8)

#### LOCATIONS:

| 117+10.5 Rt. Parry St. (East Radius) | 119+24 Lt. Lexington St. | 126+70 Lt. Jefferson St. | 140+95 Lt. # Rt. Hagny St.

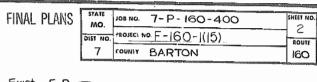


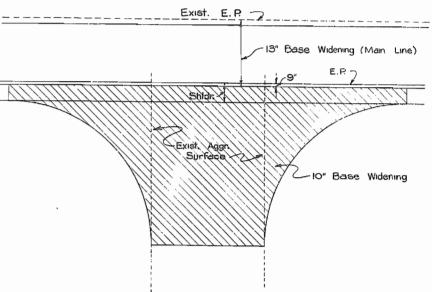


## LOCATIONS:

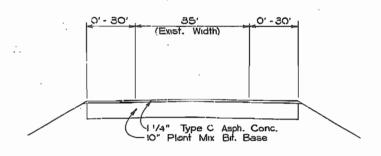
TYPICAL SECTION

Bit. Base Typical (





PLAN VIEW
Bit. Base Typical (10)

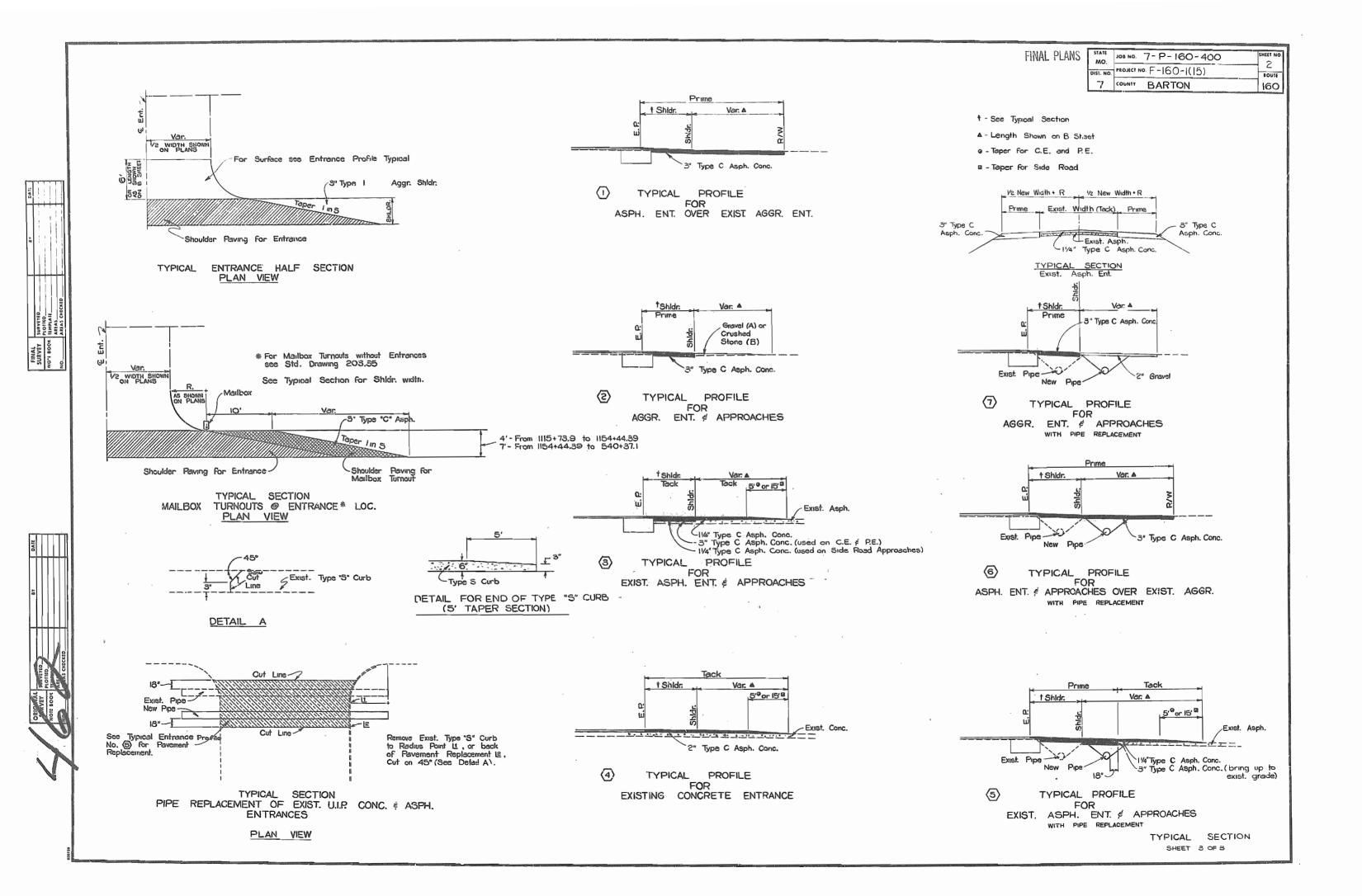


TYPICAL SECTION

Bit. Base Typical (IO)

LOCATION:
II54+14 Rt. Howard Dr.

TYPICAL SECTION
SHEET 2 OF 8



# MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION SUMMARY OF QUANTITIES

FINAL PLANS STATE MO. 7-P-160-400 SHEET NO. 2A

DIST. NO. PROJECT NO. F-160-1(15)

COUNTY BARTON 160

					-		SUMMAKT OF QUANTII	IE3			SHEET / OF/ 7 COUMTY B	PRTON	160
- ITEM	DE	SCRIPTION		UNIT	QUANTITY .	ITEM	DESCRIPTION	UNIT	QUANTITY .	!TEM	DESCRIPTION	UNIT	QUANTITY
		The second secon			-	202-20-10	REMOVAL OF IMPROVEMENTS	LUMP SUM		. 726-13.36	36 IN. CLASS III REINFORCED CONCRETE PIPE	LIN FT	186
					Total State of the	206-30-00	CLASS 3 EXCAVATION	CO AD	180	726-13-42		LIN FT	14/
The second secon		THE COURSE STATE OF THE PARTY O			o un residente	212-10-00	SUBGRADING AND SHOULDERING CLASS 1/	STATION	450.3	732-00-36		КОАЗ	. 2/
	1				THE STATE OF THE S	212-20.00	SUBGRADING AND SHOULDERING CLASS 2/	STATION	42.2	802-30-00	TYPE 3 MULCH/	ACRE	45,4
					- Transmission	301-30-11	ASPHALT CEMENT (BASE HIDENING) 60-70	TON	774.0	805-10-00	SEEDING	ACRE	45.4
			·			301-40.00	MINERAL AGGREGATE (DASE MIDENING)	¥8N	18104				
			-			304-00-33	TYPE 1 AGGREGATE FOR BASE	SQ YD	40,189	500.0	contingent Items		
						310-50-01	GRAVEL (-)	CÙ YO	100	501.01	PLASTIC DRain	Dollar	123.21
						390-90-00	TEMPORARY SURFACING	CU YD	200	501.02		Ea.	35//
	-					403-10-11	ASPHALT CEMENT (ASPHALTIC CONCRETE) 60-70	TON .	1194.8				
						403-10-26	MINERAL AGGREGATE (ASPHALTIC CONCRETE)	TON	19405	:			
						407-10-05	TACK COAT	GALLON	4380	:			
						408-10-10	PRIME-LIQUID ASPHALT RC 73	GALLON	1370	•			
						601-10-00	FIELD LABORATORIES	LUMP SUM	1 -	-			
						604-40-11	PIPE COLLAR, TYPE A	EACH	11				
						604-40-12	PIPE COLLAR, TYPE B	EACH	1-				
						604-40-13	PIPE COLLAR, TYPE C	EACH	2/	:			
					,	605-20-20	CLASS B UNDERDRAIN	LIN FT			·		•
						609-10-10	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	LIN FT	960				
						609-10-60	PAVED DITCH	SQ YD	7-1				
						609-70-00	ROCK LINING	CO AD	44/				•
	-					612-90-10	INSTALLING GIVE EN A BRAKE 4 FT. X 8 FT. SIGNS (SEE SPECIAL PROVISIONS)	ÈACH	**				
				<u> </u>		612-90-20	INSTALLING GIVE EN A BRAKE 4 FT. X 4 FT. SIGNS (SEE SPECIAL PROVISIONS)	EACH	2/				
	. 1::					616-10-05	CONSTRUCTION SIGNS	SQ FT	666	ŧ			
			*		access to the second	616-10-20	CHANNELIZERS (DRUMS)	EACH .	21		• .		
:		٠, ٠	• •		14.2	616-10-46	TYPE II OBJECT MARKER	EACH	315		RECEIVED		
			-		·	616-10-47	TYPE III OBJECT MARKER	EACH	24	4 45 33 4	MAY 11 1990		
<b>1</b> ( )				1 1 1	***	618-10-00	MOBILIZATION	LUMP SUI					-
			10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1. 11. 11.	Prince and Control of the Control of	622-10-00	TEMPORARY PAVEMENT MARKING	MILE	9.5	The state of the s		\$ 1P	7 1981 E.
• 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Service Servic		75.	• ;	703-20.01	CLASS B CONCRETE (CULVERTS)	En AD	90.3	148	· 大学、 - 大学 - 大学 - 大学 - 大学 - 大学 - 大学 - 大学		133
		, Pilipin		औंक	184-19	706-10-30	REINFORCING STEEL (CULVERTS)	POÙNO	11-430	300	ACCEPTED:		11-30-1969
Marine 12			· · ·	ļ		725-10-12	12 IN. CORRUGATED MEYAL PIPE	L'IN FT	66	is given in	PREPARED BY: Kennelle a Matthews	DATE	01-08-90
7	i i					725-10-15	15 IN. CORRUGATED NETAL PIPE	LIN FT	30		RESIDENT ENGINEER Buig Sphitwide	DATE:	01-08-1990
	To also					725-10-16	18 IN- CORRUGATED HETAL PIPE	LIN FT	30	1200	DISTRICT OFFICE: Don Lowey	DATE:	
			er - har lettere	2,737	4.2	726-13.12	12 IN. CLASS III REINFORCED CONCRETE PIPE/ CULVERT	LIN FT	85		MAIN OFFICE Jamela Otto	DATE:	5-17-90
				100 m		726-13-15	15 IN. CLASS III REINFORCED CONCRETE PIPE	LIN FT	1,624		1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	· ·
	Sign of the second seco		The section of the se			726-13-18	18 IN. CLASS III REINFORCED CONCRETE PIPE	LIN FT	1,264	AND AND AND AND AND AND AND AND AND AND	State of the state	* a -	`
-	200	- 1990	77 Y	25		726-13.24	26 IN. CLASS III REINFORCED CONCRETE PIPE	LIN FT	733	4 - 35	<b>₩ ∀</b> .		

	SP-2B		MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION  STATE MO. PROJECT NO F- 160 - 400 2B ROUTE NO F- 160 - 1(15) ROUTE NO FINAL PLANS												RT	AISS	ION	I				removed decreases the training of the		Process of Landson	FINAL F	PLAN					policy (see the second and by	- 2B						
		. T	tion Shoot	2 - (3	∗ En	trance Wi	idth ~ 2	20' Min.					SUM	MA	RY OF	QUAN		ES					\								1 of 3		7		BARTON			190
	A 56	ee Typical Se	TON Sheet	ENTR	ANCES *.		ROADS	S & CL	JUVERT	PIPE	Asph.Conc.	10" Brt. 6	Base Widenu	no Prime	Tack Grav	al A								NCE\$	Ç.M.	Prpe	ÇL	É CU ASS Ⅲ	R.C.P.	Type "C	ES (C)	nc 10" E	Bit. Bese W	idenng Prin	ne Tack Gravel	A		
	Sheet 3	Std. No. Sta 203.30 1117+1	. Type Loc	Typical 4	Length 12	15" 18" TY	E 15"	5" 18" 24	4" 36"	ASPH. CEN (TONS)	MIN. AGGR. (TONS)	ASPH.CEN (TONS)	M. MIN. AGGR (TONS)	(SALS)	(GALS) Crush Stone	ed Rema			203.	Vo. \ Sta. 30 I339+9	PE. K	11.4 82		Length 6'	12" 15"	18"   776		2,	4" 36"	ASPH. CE	M. Min. AGG (TONS)	TO (TO	(.CEM. MIN.	AGGR.	(GALS) Grushed	ExterJ E	x st. Pipe	5
	3	203.30 1117+	8 FE. Lt.	ľ. l	17' -			401						_		No Sur	1	Connections	203.3	30 1342+7 30 1349+4 30 1349+6	ZIRE.R	1 \	2	13.			25									No Sur	facing	
	3	203.30 IN9+	24 S.R. L.N. 305 S.R. RI.	(8/8) (8/8)	30' ^6' / 40' /	Y	1 4'	82° 68'		<u> </u>				+-		DGI. 2		33-123-13	203.3	30 1349+0 30 1409+0 30 1443+0	3 (F.E.) R	N. 1		14'				38"				_				No Sur	facing	
DAI	Bank	203.30 1180+	75 C.E. Lt.	(3)	17'			60		<u> </u>				+-		No Pi	_		203	30  449+9 30  453+8	5 PE. R	?†. (6		6' /		30, \		30%		i INC	LUDED	IN B	оок тот	TALS		Extend	kist. Pip	
+++-	3	203.30 (121+	42 C.E. Rt.	(I)	17'									+		No Pi	9		203.	30 460+8	BPE. F	₹ŧ. † `{		14.				54		7.77						No Sur	facing	
	3	203.30 U22+	13 C.E. Rt.	(1)	17'			35						+-		No Pi			203.	30 47.23	9 P.E. F	?t. * *	7) -	54.			3	85									Exist P.	PZ
	3	203.30, 1123+ 203.30, 1123+ 203.30, 1124+	07 S.R. L.	(B)(9)	40'			88'		‡				1		EXTEND IO'BY PE	EP MIT		203.	30 (494+5 30 (495+	51 PE. 1	?t. (	2) -	6' ~				47'				-					Exist. F	Pipe
1	3	203.30 1126	70 S.R. Lt.	(3/8)	30'				88'-					-			+-		203.	30\526+1 30\538+9	7 FE. L	_t.*\						r I				<del></del>				No Sur No Su	facing rfa <b>c</b> ing	
	4	203.30 (1284 203.30 (1294	00 PE. Lt.	(6) ·	27'				404							EXTEND ID'BYPS	ED Init		203	30 542+ 30 294+	64 P.E.	2+,1 (	7)	16,				3:								ULP	ļ	
EYED IED LATE S CHECKE	4	203.30 11294	25 P.E. Rt.	(6) / (-(6) /	27'				43:-							Carron			203.	30 474+	OI RE.	Rt.		28'			4	72		_		-					Facing	
SURV PLOTI AREA AREA	4	203.30 U29+	73 C.E. Rt. 28 S.R. Rt.	(8:8) -	30'			23						<u> </u>		Connect at 113 Extend	Exist Exist	. Pipe	* 203.	.30 1149+	B/G.E. F		OTAL:	S	6 30	3071	18576	24 1264 1.	331761	/ *	*		-¥	* 1	* * *		n± <del>r</del>	
FINAL SURVEY NOTE BOOK	4	203.30 USI+	32 PE RH	6/	17' ~			17:2	50	<u> </u>				+-		Extend	_	Pipe Pipe			-	EN	ITPA	NCES	é SIDI	F RO	ADS O	UTSIDE	CITY	LIMIT	S NOT	CO	VERED	ABOV	E			
12 2	74	203.30 1132+	69 RE. Lt.	(6) -	17' "			22	42					<del> </del>		Extend	CRIST	rips			1				Average	Avg. Exis	st.	Туре "	C" Asph. C.	ors. Prim	a Taci	k lûre	A leve	Remark				
	4	203.30 U33- 203.30 U34- 203.30 U35-	21 PE. LL	(6) -	17'				40:					+			+								6'	16.8		1		+								
	4	203.30 136	77 C.E. Rt.	(6) -				6'-				_		+		Extend	Exis	. Пре	-					② ② ③	15'	23.1		* INC	LUDED	IN BOO	KTOTA	LS		ide Ro	ads			
	4	751 08.60S	129 PE. Rt.	(9/8/8)				39%			-		-	+		See 9	lar S	heet						( <u>3</u> )	Var.	20.0								Rte. E	Rte. F	=		
	4	203.30 1138	28 PE. Lt.	6/	17'				65							) } 5an	ne Pi	pe						_		TOTAL	s	岩		*	*	+	*					
	5	203.30 (139	102 C.E. Rt.	3 -	17' 7			43	514					+			_	_								1455	OVEN	ENTS										
	5	203.30 ji39 203.30 ji40	95 S.R.L.	(5×8)	30' (				88'					+			$\pm$					_   K		LUMP		MIPRI	OVEN	ENIS				_						
		203.30 (A0-	48 PE RI	(6)·	17'			1124						+	<u> </u>	) }Sar	ne Pi	pe			+-			LUMP	SUM	1 /		<b>—</b>				+						
DATE	5	203.30 (144	+46 C.E. Rt	.(3)	17'			37: 45:							+		+					+				1		_										
	5	203.30 1145	+05 CE RI	: (S) -	17'			45						$\pm$												-	+-	_				+		-				
	5	203.30 (145	+89 P.E. Lt	. (6)	17'   17'   17'			55 / 38 / 37 /		_			_	$\pm$			+									-	+	+		-		_					-	
à	5 5	203.30 1147	+39 P.E. Lt	1 6	17'			37'			<u> </u>	+				No	Pipe				_					-												
<u>IV</u>	5	203.30 (147	+98 S.R LY	8.6	40'		<del>                                     </del>	767		1		+-		+		No																						
	16	203.30(1)52	+39 C.E. 171	[[ (6) \ \	17'			791/	88'-					-			7		_																			
( grant	6	203.30 115	1+14 S.R. R	t. (@/(0) t. ~(2) ~	90, 1		1	927 304				-	-	+		Exter	d Ex	ıst. Ape				$\pm$										$\Rightarrow$						
SURVEY SU		203.301169	+06 RE.R	t. (2)	25. \	30'		374										st. Pipe								_						_						
FINAL JURVEY STE BOOK		203.30 line 203.30 line	+317 ENR	1 (7)~	14'			35/									ourfac									-	-					$\perp$						
		203.30 (87 203.30 (27 203.30 (27)	+55 BE B	1 7	33'~		1	30%	54'			+		+				T. PIPE								-												
		203.30  248 203.30  25 203.30  26	74:0 PE R		15' / 6' - 15' /			30'	88'					+			d Exis	st. Pipe								-												
		203.30\i28	+22 F.E. R -+98 C.E. R	t.	13,	+++	1	38'						+		No S	urfacı	ng				-					-	-										
		203.30 129	5+83 P.E. R 5+83 C.E. L	1. (7)			+	347						+			+							-		-	+											
		203.30 (30 203.30 (30	1+63 (3.R. R 4+65 P.E. R	t. (7)	15'		34'	80',		-				+		W=2	O, B	30'																				
		203.30 32	+49 F.E. R	t			+	41'	44'		-			+	-		urfac																					
	-	203.30 134	2+76 P.E. R	t. (7)	15'			384									Ī					=				1-		_	_			<del>- i</del>	-				-	

SIGN SIZE AREA QTY

WO1-169 48x48 16.0

WO1-1Rb 48x48 16.0

WO1-2Lb 48x48 16.0

WO1-2Rb 48x48 16.0

WO1-3Lb 48x49 16.0

WO1-3Rb 48x48 16.0

WO1-4Lb 48x48 16.0

WO1-4Lb2 48x48 16.0

WO1-4Rb 48x48 16.0

WO1-4Rb2 48x48 16.0

WO1-6 48x24 8.0

WO1-6a 72x36 18.0

WO1-7 48x24 8.0

WO1-7a 72x36 18.0

WO1-8 18x24 3.0

WO3-1b 48x48 16.0

WO3-2b 48x48 16.0

WO3-3b 48x48 16.0

WO3-4b 48x48 16.0

WO4-1Lb 48x48 16.0

WO4-1R5 48x48 16.0

WO5-1a 48x48 16.0

WO5-3a 48x48 16.0

WO6-1b 48x48 16.0

WO6-2b 48x48 16.0

WO6-3b 48x48 16.0

WO6-3x 24x18 3.0

WO8-16 48x43 16.0

WO8-2b 48x48 16.0

WO8-3 48x48 16.0

WO8-4b 48x48 16.0

W/38-55 48x48 16.0

WO8-6b 48x48 16.0

WO8-6c 48x48 16.0

WO8-7a 36x36 9.0

WO8-9 48x43 16.0

WO8-9La 48x48 16.0

WO8-9Ra 48x46 16.0

WO9-1R 48x48 16.0

WO9-2Ra 48x48 16.0

W10-1a 42 Dia. 9.6

WO12-1 24x24 4.0

WO12-2a 48x48 16.0

WO12-3a,5 144x24 24.0

WO13-1c 24x24 4.0

WO20-2 48x48 16.0

WO20-3 48x48 16.0

WO20-5 48x48 16.0

WO20-6a 48x48 16.0

WO20-8 36x18 4.5

WO21-2b 48x48 16.0

WO21-7 36x36 9.0

WO22-1 48x48 16.0

WO22-2 42x36 10.5

WO22-3 42x36 10.5

WO25-1a 26x9

WO25-1b 38x9

WO25-1c 34x9

WO25-3b 30x9

WO25-3c 33x9

WO20-9c 48x48 16.0 4

WO21-5b 48x48 16.0 1

24x18 3.0

WO20-1 48x48 16.0 12 192

WO20-40 48x48 16.0 4 64

WO20-7c 48x48 16.0 6 96

WO12-2x

(INS) (SQ FT)

TOTAL

AREA

(SQ FT)

QTY.

RELOC.

RELOC.

AREA (SQ FT)

**WARNING SIGNS** 

DESCRIPTION

DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS)

DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS)

TURN (SYMBOL LEFT ARROW)

TURN (SYMBOL RIGHT ARROW)

CURVE (SYMBOL LEFT ARROW)

CURVE (SYMBOL RIGHT ARROW)

HORIZONTAL ARROW (SYMBOL)

HCRIZONTAL ARROW (SYMBOL)

CHEVRON (SYMBOL)

SIGNAL AHEAD (SYMBOL)

MERGE (SYMBOL FROM LEFT)

MERGE (SYMBOL FROM RIGHT)

BE PREPARED TO STOP

ROAD NARROWS

ONE LANE BRIDGE

DIVIDED HIGHWAY

PAYEMENT ENDS

SOFT SHOULDER

TRUCK CROSSING

LOOSE GRAVEL

LOW SHOULDER

RAILROAD CROSSING

LOW CLEARANCE (SYMBOL)

LOW CLEARANCE (PLAQUE)

ADVISORY SPEED (PLAQUE)

WORKERS AHEAD

SAND BLASTING

SHOULDER WORK AHEAD

BLASTING ZONE 1000 FT.

TURN OFF 2-WAY RADIO

END BLASTING ZONE

1000 FT./1500 FT. Plate

500 FT./1000 FT. Plate

the second state of the second

500 FT./1000 FT. Plate

LEFT/CENTER Plate

OPEN TRENCH

FRESH OIL

LEFT Plate

DOUBLE DOWN ARROW (SYMBOL)

BUMP

DIP

DIVIDED HIGHWAY ENDS

TWO WAY TRAFFIC (SYMBOL)

TWO WAY TRAFFIC (PLAQUE)

SLIPPERY WHEN WET (SYMBOL)

TRUCK ENT. (Includes 1000 FT./1500 FT. plate W025-1a)

UNEVEN PAVEMENT (SYMBOL FOR LEFT DROPOFF)

UNEVEN PAVEMENT (SYMBOL FOR RIGHT DROPOFF)

OVERHEAD LOW CLEARANCE (FEET AND INCHES)

RIGHT LANE ENDS (Includes LEFT/CENTER plate WO25-3c)

LAME ENDS MERGE RIGHT (Includes LEFT plate WO25-3b)

ROAD CONST. AHEAD (Incl. RAMP/BRIDGE plate WO25-6)

DETOUR AHEAD (Includes 500 FT./1000 FT. plate WO25-1b)

RD. CLOSED AHEAD (Inci. 500 FT./1000 FT. plate WO25-1c)

ONE LN. RD. AHD (incl. 1000 FT./1500 FT. plate WO25-1a)

RT. LN. CLOSED AHEAD (Incl. LEFT/CENTER plate WO25-3d)

RIGHT LANE CLOSED (Incl. LEFT/CENTER plate WO25-3c)

FLAGMAN AHEAD (Incl. 500 FT./1000 FT. plate WO25-1b)

STOP AHEAD

YIELD AHEAD

REVERSE TURN (SYMBOL LEFT ARROW)

REVERSE TURN SYMBOL RIGHT ARROW

REVERSE CURVE (SYMBOL LEFT ARROW)

REVERSE CURVE (SYMBOL RIGHT ARROW)

DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)

DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)

### SUMMARY OF QUANTITIES

FINAL PLANS	FI	NAI	PL	ANS
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ITEM

NO.

616-10.35 8x24

616-10.36 8x24

616-10.40 36x72

616-10.45 18X18

616-10.50 8

612-10.30 72x144

616-10.51

616-10.52

616-10.53

616.10.54

616-10.60

616-10.70

SIZE TOTAL

QTY.

616-10.20 36x18 21 CHANNELIZER (DRUM)

616-10.46 6x12 315 TYPE II OBJECT MARKER 616-10.47 8x24 24 TYPE III OBJECT MARKER

(INS)

20

S	STATE MC.	108 NO. 7-P-160-400	ON THESH	S CONTRACTOR
		PROJECT NO. F ~ [60~](15)	ROUTE	- The second
	7	COUNTY BARTON	160	Water Comments

TYPE I BARRICADE (One Rails)

TYPE II BARRICADE (Two Rails)

FLASHING ARROW PANEL

FLASHING ELECTRIC LIGHT

WARNING LIGHT TYPE A

WARNING LIGHT TYPE B

WARNING LIGHT TYPE C

RAISED PAVEMENT MARKER

MOVABLE BARRICADE (Three Rails)

FLEXIBLE DELINEATOR

STROBE LIGHT

TYPE I OBJECT MARKER

DESCRIPTION

SHEET 3 OF 3

SIGN	(INS)	AREA (SQ FT)	QTY	TOTAL AREA (SQ FT)	QTY. RELOC.	TOTAL RELOC. AREA (SQ FT)	DESCRIPTION
WO25-3d	22x9						LEFT/CENTER Plate
WO:25-5	30x12	2.5					1/2 MILE/1 MILE (PLAQUE)
W025-6	28x9						RAMP/BRIDGE Plate
					REGUL	ATORY SI	GNS
R1-1b	48x48	13.25					STOP
R1-2a	48x48x48	6.93					YIELD
R1-3	20x9	1.25					4-WAY (PLAQUE)
R1-5	20x9	1.25		,			3-WAY (PLAQUE)
R2-16 /	36x48	12.0	78/	96			SPEED LIMIT XX 30,30,40,55,55,55
R2-5	36x48	12.0	6	/\ 72			REDUCED SPEED AHEAD
R3-1b	36x48	12.0					NO RIGHT TURN
R3-2b	36x48	12.0					NO LEFT TURN
R3-3a	36x36	9.0					NO TURNS
R3-4b	36x48	12.0					NO U-TURN
R3-7L	30x30	6.25					LEFT LANE MUST TURN LEFT
R3-7R	30x30	6.25					RIGHT LANE MUST TURN RIGHT
R4-15	36x48	12.0					DO NOT PASS
R4-2b	36x48	12.0					PASS WITH CARE
R4-7L5	36x48	12.0					KEEP LEFT (HORIZONTAL ARROW)
R4-7Rb	36x48	12.0					KEEP RIGHT (HURIZONTAL ARROW)
R4-17L	36x36	9.0				_	KEEP LEFT
R4-17R	36x36	9.0					KEEP RIGHT
R5-1	30x30	6.25					DO NOT ENTER
R5-1a	36x24	6.0					WRONG WAY
R6-1La	48x18	6.0					ONE WAY ARROW (LEFT)
R6-1Ra	48x18	6.0					ONE WAY ARROW (RIGHT)
R6-2La	24x30	5.0					ONE WAY (LEFT)
R6-2Ra	24x30	5.0					ONE WAY (RIGHT)

				REGU	LATORY SIGNS
R1-1b	48x48	13.25			STOP
R1-2a	48x48x48	6.93			YIELD
R1-3	20x9	1.25			4-WAY (PLAQUE)
R1-5	20x9	1.25		,	3-WAY (PLAQUE)
R2-16 /	36x48	12.0	8// 96	7	SPEED LIMIT XX 30,30,40,55,55,55
R2-5	36x48	12.0	6 72	1	REDUCED SPEED AHEAD
R3-1b	36x48	12.0			NO RIGHT TURM
R3-2b	36x48	12.0			NO LEFT TURN
R3-3a	36x36	9.0			NO TURNS
R3-4b	36x48	12.0			NO U-TURN
R3-7L	30x30	6.25			LEFT LANE MUST TURN LEFT
R3-7R	30x30	6.25			RIGHT LANE MUST TURN RIGHT
R4-1b	36x48	12.0			DO NOT PASS
R4-2b	36x48	12.0			PASS WITH CARE
R4-7Lb	36x48	12.0			KEEP LEFT (HORIZONTAL ARROW)
R4-7Rb	36x48	12.0			KEEP RIGHT (HURIZONTAL ARROW)
R4-17L	36x36	9.0			KEEP LEFT
R4-17R	36x36	9.0			KEEP RIGHT .
R5-1	30x30	6.25			DO NOT ENTER
R5-1a	36x24	6.0			WRONG WAY
R6-1La	48x18	6.0			ONE WAY ARROW (LEFT)
R6-1Ra	48x18	6.0			ONE WAY ARROW (RIGHT)
R6-2La	24x30	5.0			ONE WAY (LEFT)
R6-2Ra	24x30	5.0			ONE WAY (RIGHT)
R11-2	48x30	10.0			ROAD CLOSED
R11-3	60x30	12.5			ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60x30	12.5			ROAD CLOSED TO THRU TRAFFIC
R12-3b	36x36	9.0			TO ONCOMING TRAFFIC (PLAQUE)
R20-1	36x18	4.5			WHEN FLASHING
<b>=</b> :=:				Gl	JIDE SIGNS

					GU	IIDE SIGNS
GO20-1	60x36	15.0	2/	N30 1	<i>Y.</i>	ROAD CONSTRUCTION NEXT XX MILES
GO20-2	60x24	10.0	/2/	× 20/	7	END CONSTRUCTION
MO4-8a	30x15	3.13	L			DETOUR (PLAQUE)
MO4-9L	48x36	12.0				DETOUR (LEFT ARROW)
MO4-9R	48x36	12.0				DETOUR (RIGHT ARROW)
MO4-10L	48x18	6.0				DETOUR (ARROW LEFT)
MO4-10R	48x18	6.0				DETOUR (ARROW RIGHT)
MO4-11	24x18	3.0		·		DETOUR ENDS
M5-1L	21x15	2.19			!	ADVANCE LEFT TURN ARROW
M5-1R	21x15	2.19				ADVANCE RIGHT TURN ARROW
					MISCELL	ANEOUS SIGNS
			1			,

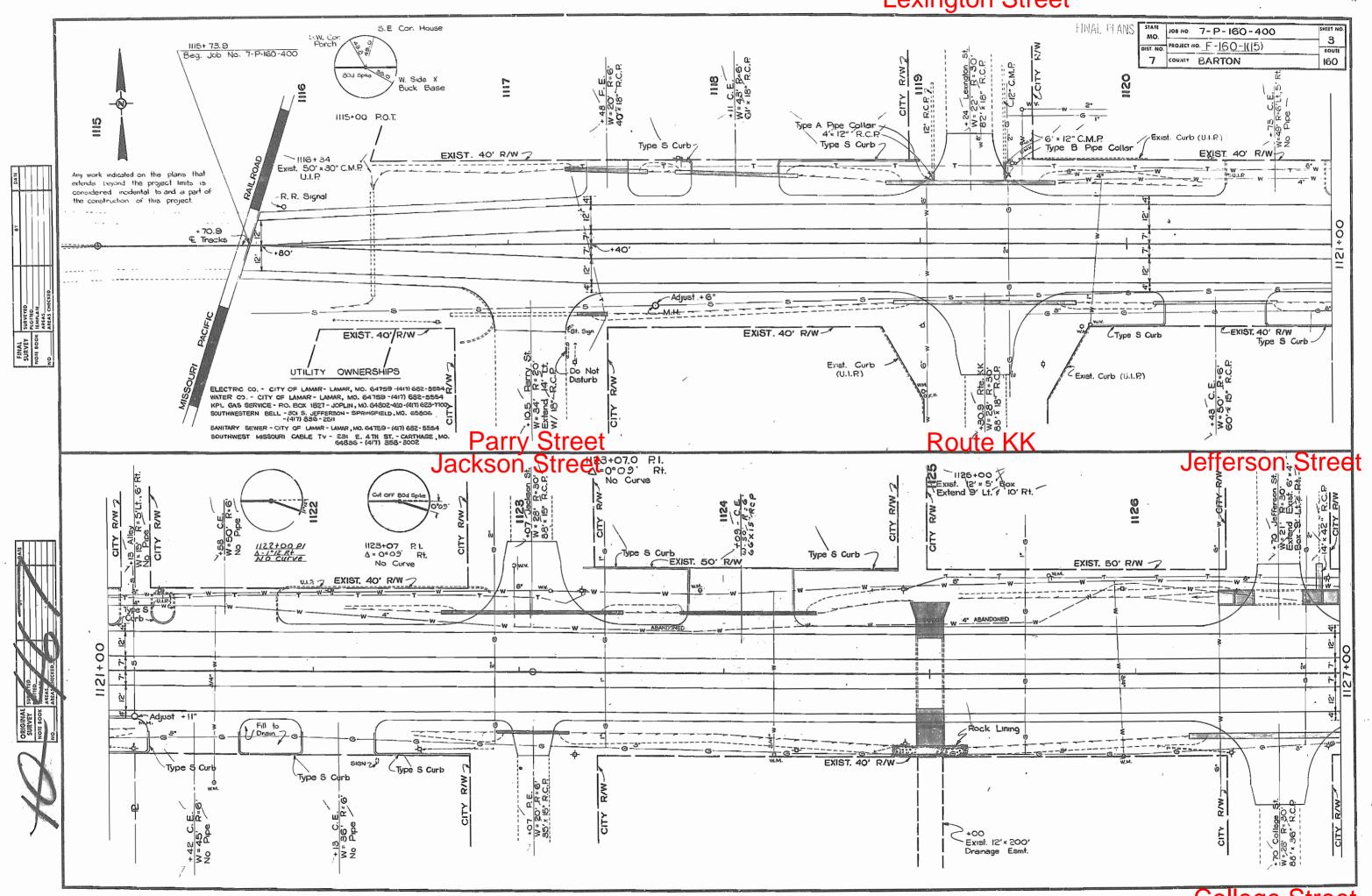
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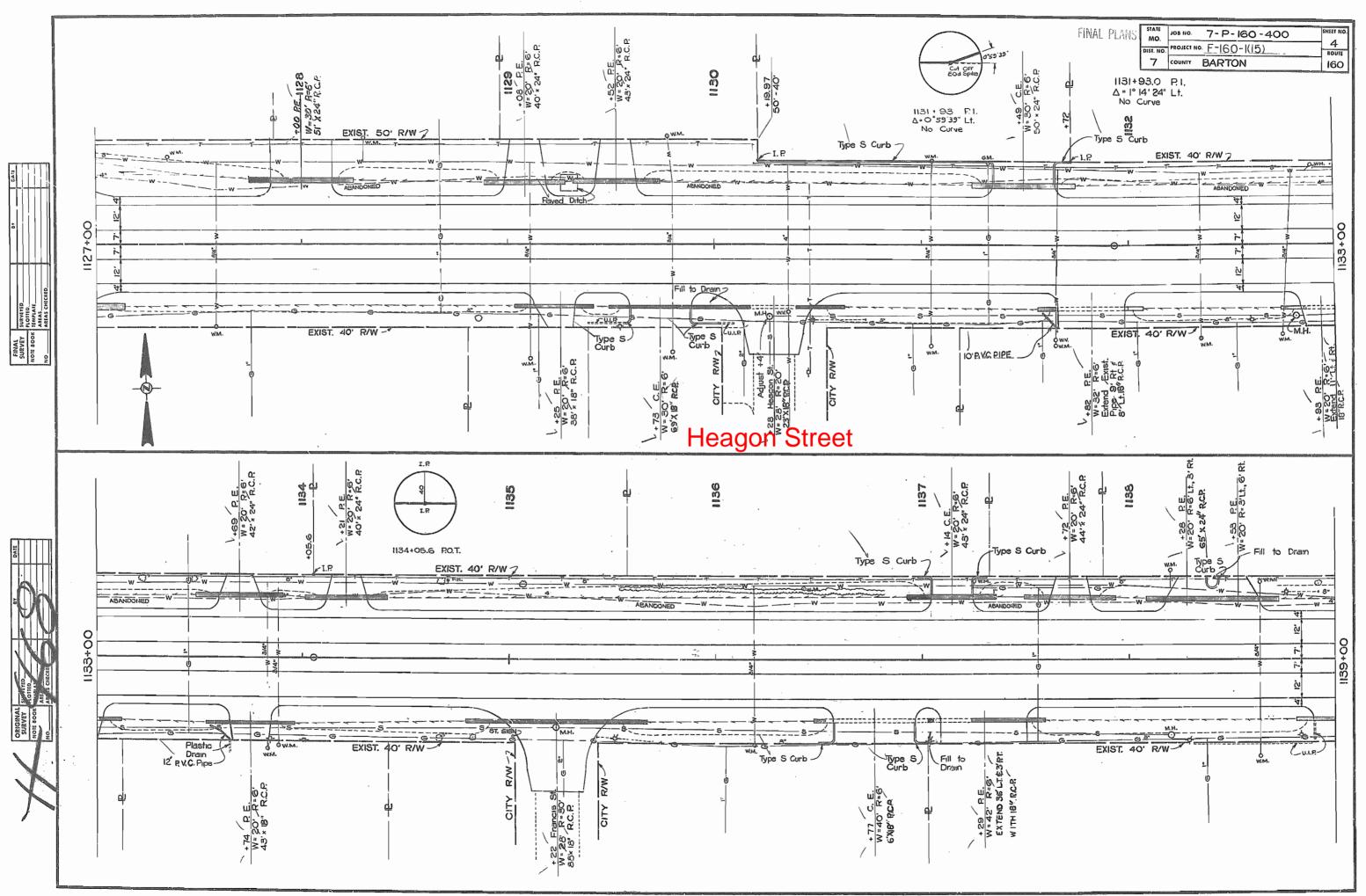
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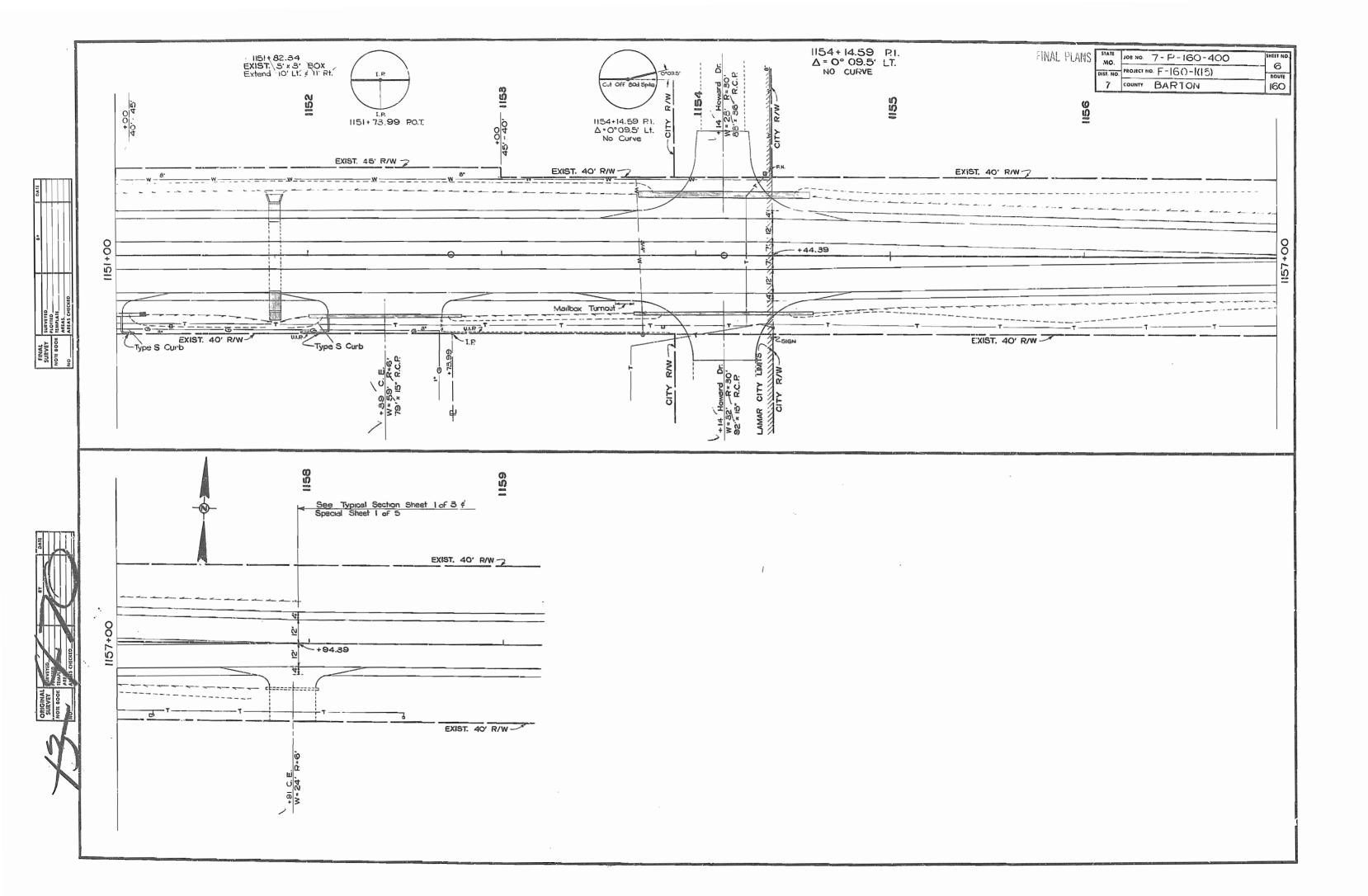


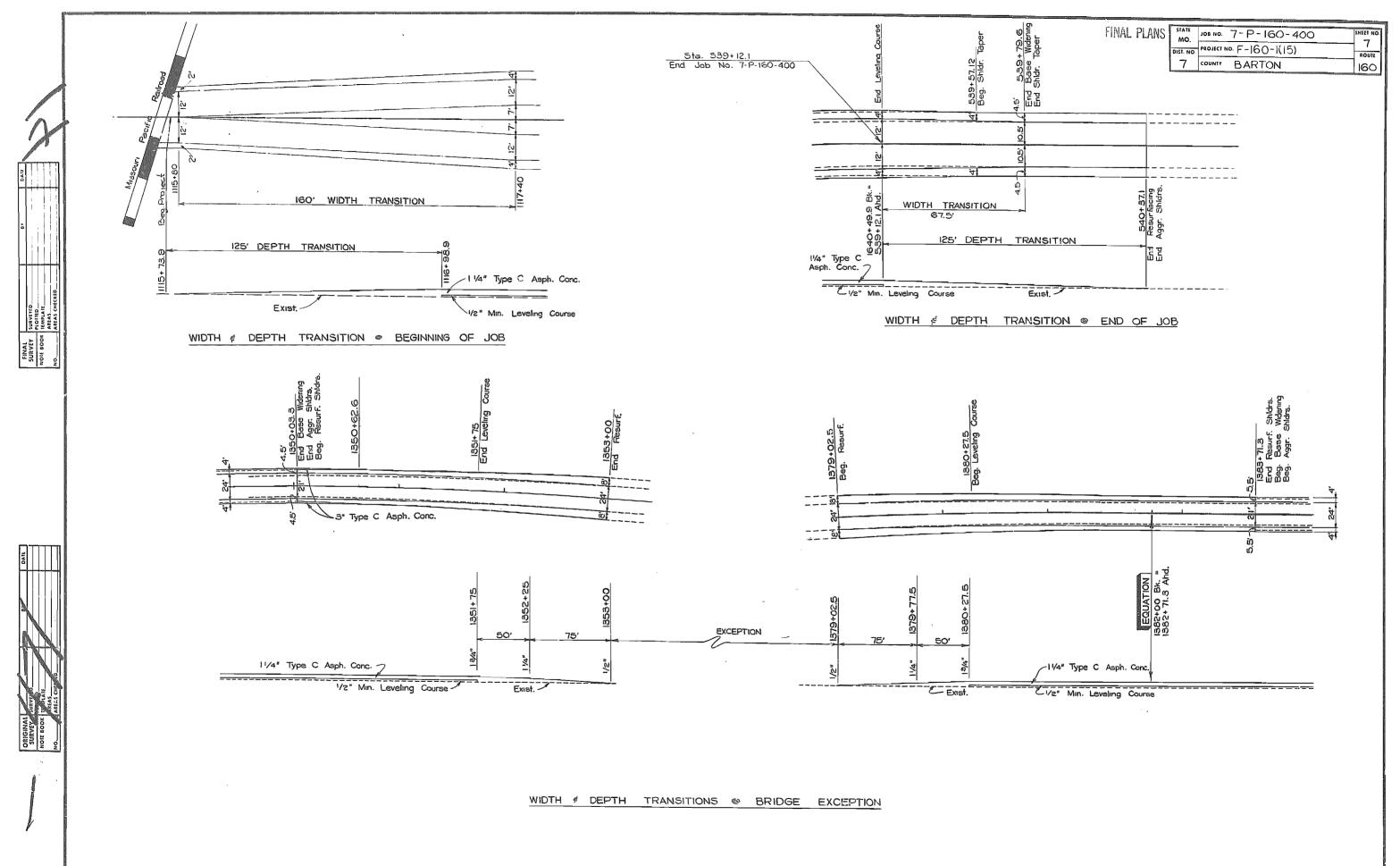
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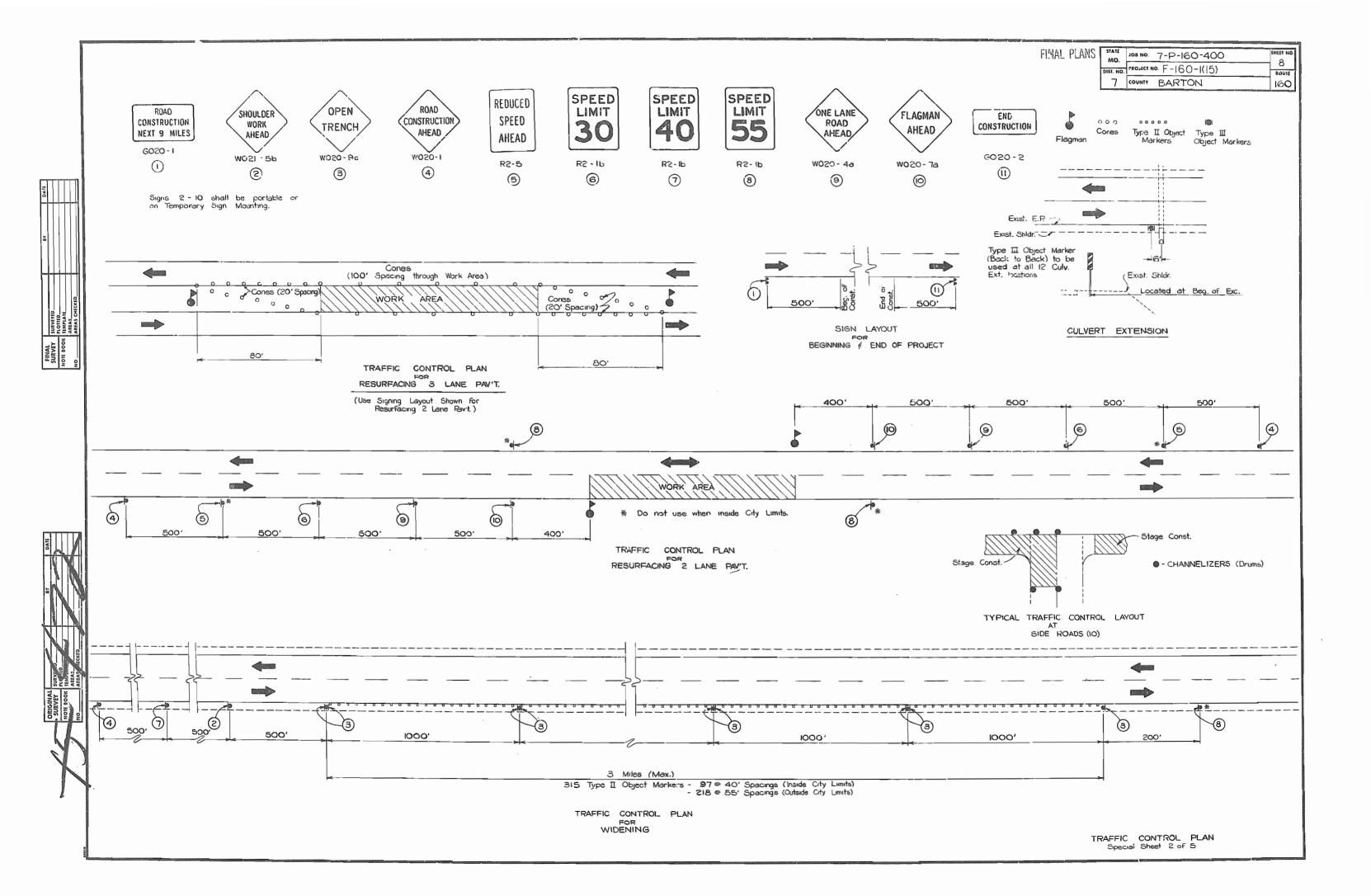


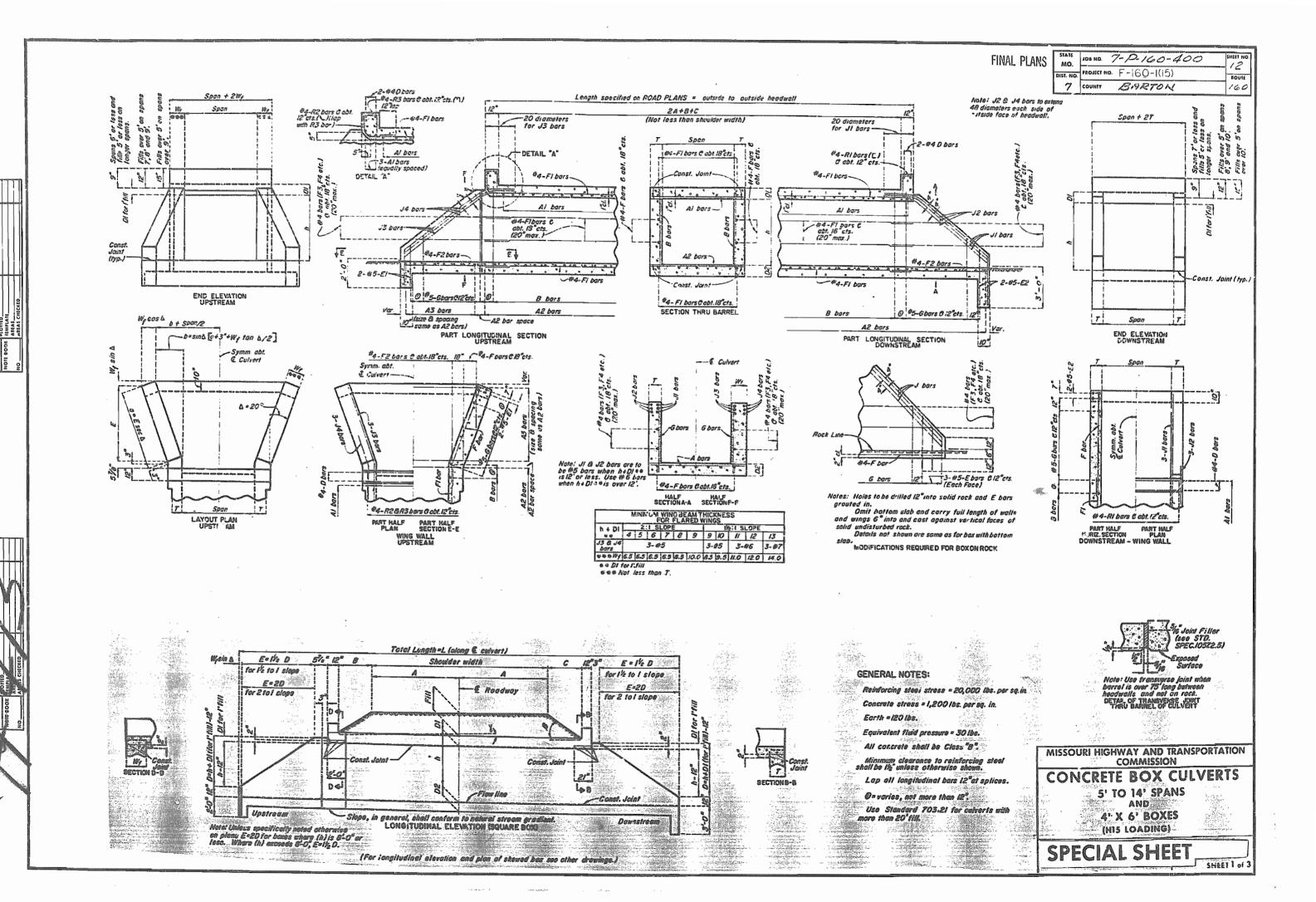
Francis Street





SPECIAL SHEET





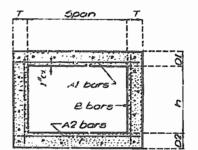
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FINAL PLANS		JOB NO. 7-P-160-400 PROJECT NO. F-160-1(15)	SHEET NO.
	7	COUNTY BARTON	160

Notes:
Where burrel is cut in sections, the outtom flob reinforcement sholl be identical to that required in the top slab. The notion slab thickness shall be the required top slab thickness Ol plus lift.

\* Fill as indicated in the tobles shall be taken as the average between that at & of culvert and at high shoulder line.

For fill heights between values tabulated, the dosign fill height is taken to the next increment requiring the higher design.



Note: Minimum clearance to preinforcing steel shall be 12" unless otherwise snown

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*	SPAN	-	<del></del> .		N=51	-			<u></u>	PAN		-				PAN:	-	-						4=8,				٦			-	SPAN	=8/-	C#			T			SPA	N=101	-0"		-	T.
FILL	h=		100	448 5		h=ev		<del></del>	1	'8.6°		=7/8			4:5	Section 1 and 1	h:	=7;8	4891	h:	4/5/	86'	_ h	= 7/8	8'	h:	=9/A	01	h=	=5/£	6'	h=	7/88	<u>'   </u>	h=9;	0/8/1	7	h=54	36'	h=7;	6,94	10'	h=11	14 12	FIL
(FT.)	A2 G	-	м <sup>2</sup> жинова жизун	10 C	2 BAR	S C 10	D2	A2 BARS	10	ps	A2 BARS	C. 10C.	DS	A2 BARS	, , ,	D2	A2 BARS	100	02	A2 BARS	†0 †0	02	A2 Bars	10	DZ	A2 BARS	C. TO	50	A2 BARS	ŤO.	D2 E	A2 ARS	TO_	D2 3	IZ C	Q D	2 AZ	CTO	D2	A2 BARS	TQ	D2 g	A2 C	io D	2 (FT
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FILL	h=5	<b>'86'</b>	l h=	7/88/		1=8%		l h	2114	112'	<u> </u>	=5/6	18.71			& 10'		= 114	191	- N	=5/8	61	h=	7188		60 - 1 - 1 Aug	9'810	ALC: NO.		11/8/2	_+		5/8		7	SP/		14'-0 h=9'8		T =	211/81		本	: 3.9	***
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MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

CONCRETE BOX CULVERTS 5' TO 14' SPANS AND 4' X 6' BOXES

(HIS LOADING)

**SPECIAL SHEET** 

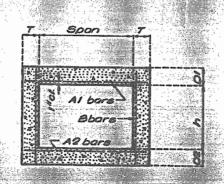
SHEET Zet 3

FINAL PLANS 108 NO. 7-P-160-400 SHEET NO. 14

DIST. NO. PROJECT NO. F-160-1(15)

7 COUNTY BARTON 160

SIDE WALLS	
LETY-OF FILL 200   2 FILL 200   3 FILL 200   3 FILL 200   3 FILL 200   4 FILL 200   4 FILL 200   4 FILL 200   5 FILL 200	E FULL STYLONGE SULFISHED AND STREET
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Note: Minimum cles - ence to reinforcing steer incil be 15" unless otherwise shown.

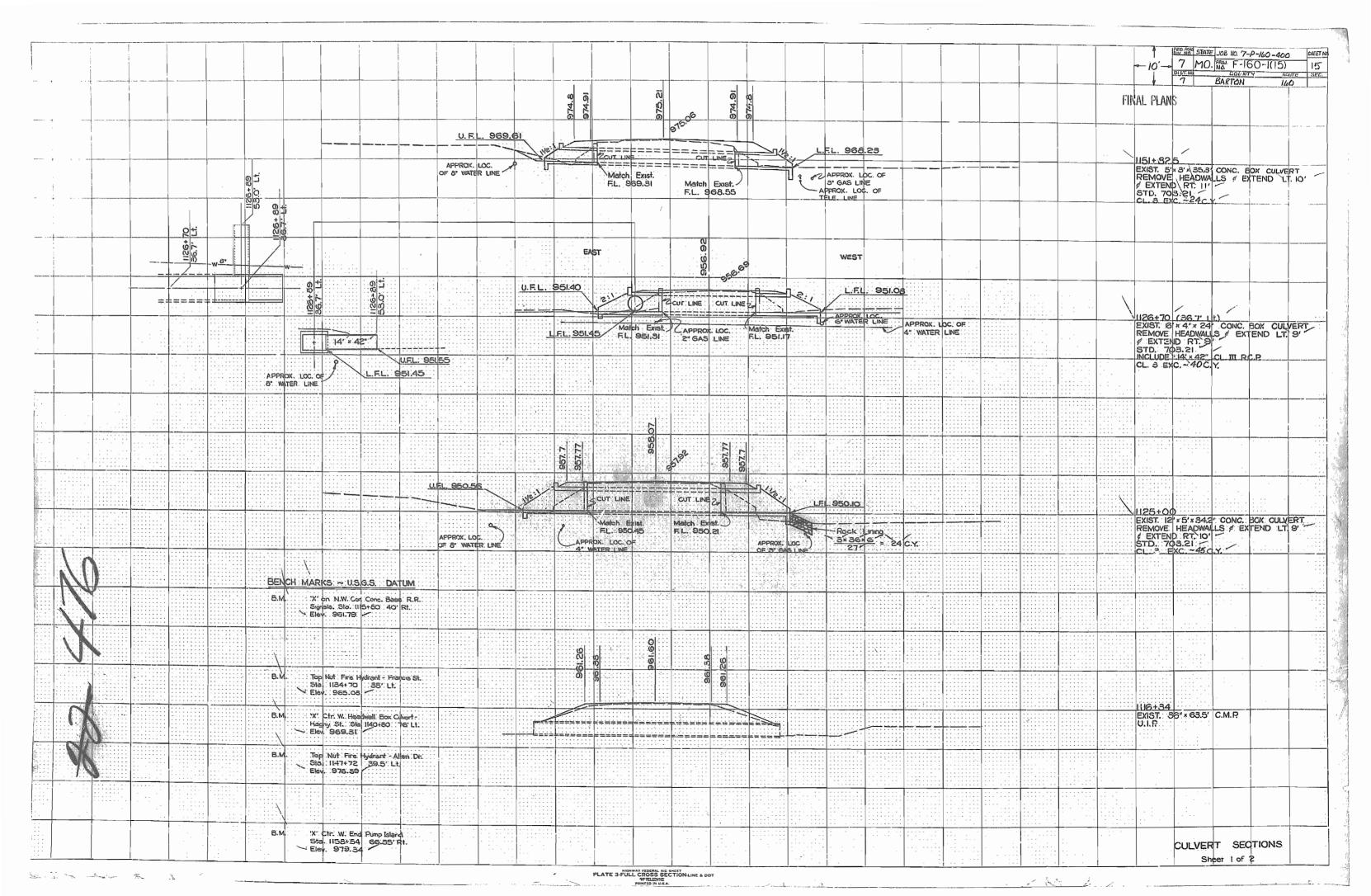
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

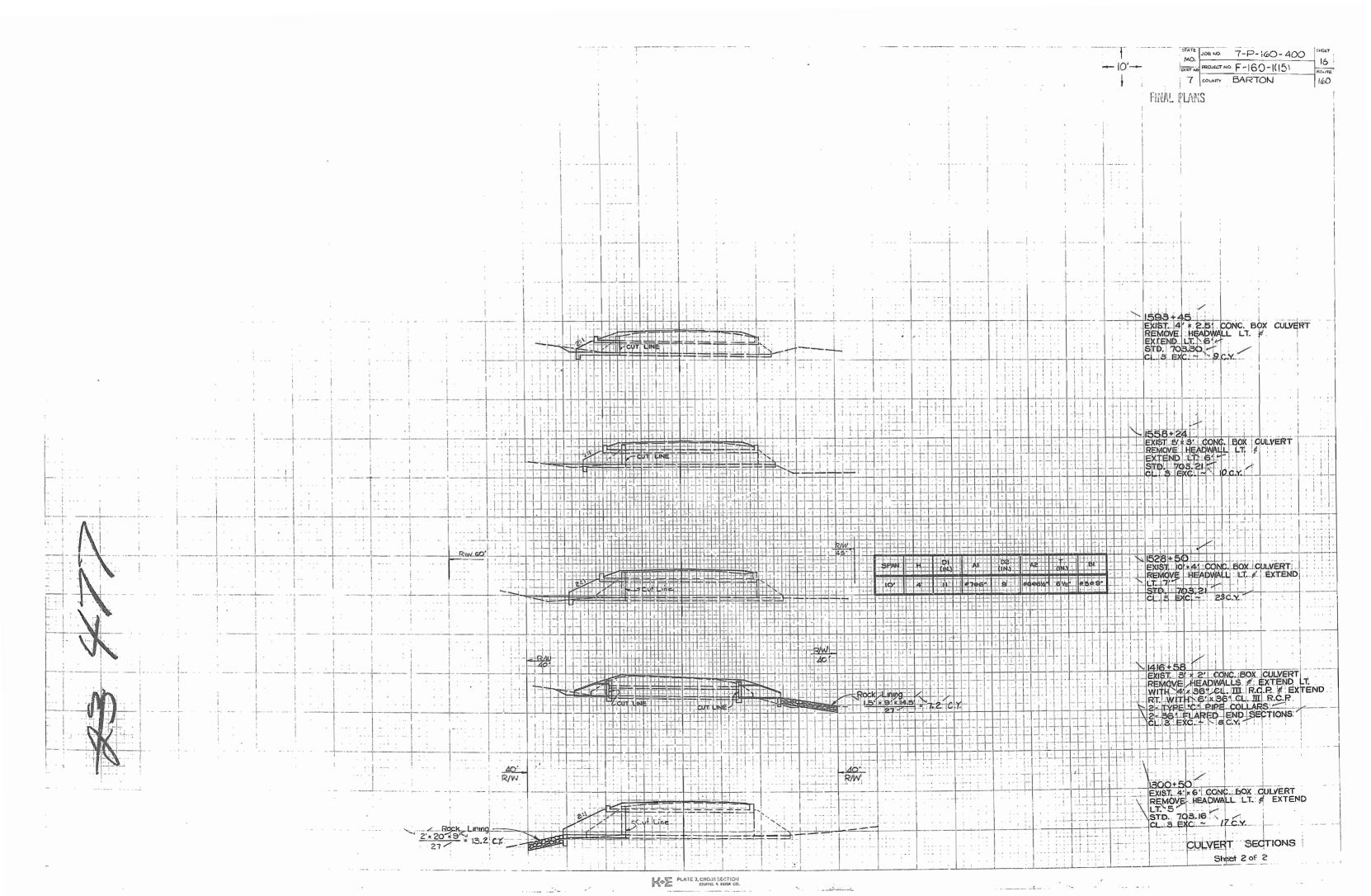
CONCRETE BOX CULVERTS
5' TO 14' SPANS

5' TO 14' SPANS AND 4' X 6' BOXES (HIS LOADING)

SPECIAL SHEET,

SHEET Joi





FINAL PLANS STATE JOB NO. 7-P-160-400 SHEET NO. 17

DIST. NO. PROJECT NO. F-160-1(15) ROUTE
7 COUNTY BARTON 160

### MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

# **STANDARD PLANS**

<b>√</b>	NO.	DESCRIPTION
	203.00E	EXCAVATION & EMBANKMENT
$\vdash$	203.02C	UNDERGRADING
	203.10A	TABULATED EARTHWORK & SECTION DATA
	203,208	SUPERELEVATION SPIRALS & WIDENING (UNDIVIDED)
	203.21B	SUPERELEVATION SPIRALS & WIDENING (DIVIDED)
-	203.21B	- Control of the cont
	203.30A 203.31B	ENTRANCES & APPROACHES (LESS THAN 400 ADT)
		ENTRANCES & APPROACHES (GREATER THAN 400 ADT - NO SAFETY ZONE)
ļ	203.32D	ENTRANCES & APPROACHES (GREATER THAN 400 ADT - SAFETY ZUNE)
	203.35A	MAILBOX TURNOUTS
-	203.40E	TYPICAL DETAILS-RAMPS FOR INTERCHANGES (OTHER THAN 6:1 FORESLOPE)
	203.41E	TYPICAL DETAILS-RAMPS FOR INTERCHANGES (6:1 FORESLOPE)
	203.50J	TYPICAL CROSS-OVERS (DIVIDED HIGHWAYS)
		MANAGER FOR CONTRACT OF THE STATE OF THE STA
	204.00D	EMBANKMENT CONTROL MEASURING DEVICES
	502.00M	CONCRETE PAVEMENT & BASE APPURTENANCES
<u> </u>	502.10E	DOWEL SUPPORTING UNITS
	503.00J	CONCRETE APPROACH SLABS TO BRIDGES (ALSO INCLUDE E02.00)
	602.00A	RIGHT-OF-WAY & DRAIN MARKERS
	604.05A	
	504.03A	PIPE CULVERT HEADWALLS - TYPE S
	604.108	HEADWALL-WITH ENERGY DISSIPATOR - 18"
	604.11B	HEADWALL-WITH ENERGY DISSIPATOR - 24"
	604.12B	HEADWALL-WITH ENERGY DISSIPATOR - 30"
	604.138	HEADWALL-WITH EMERGY DISSIPATOR - 36"
	604.14B	HEADWALL-WITH ENERGY DISSIPATOR - 42"
	604.15B	HEADWALL-WITH ENERGY DISSIPATOR - 48"
	604.20B	DROP INLET - TYPE B
	604.218	DROP INLET - TYPE C
	604.22B	DROP INLET - TYPE D
	604.23B	DROP INLET - TYPE E
	604.24B	DRO? INLET - TYPE EE
	604.25C	DROP INLET - TYPE F
	604.26D	DROP INLET - TYPE G *
	604.27¢	DROP INLET - TYPE S (3 SHEETS)
	604.28E	DROP INLET - TYPE T (ALSO INCLUDE 614.30) #
	604.23C	DROP INLET - TYPE X
	604.30F	CONCRETE MANHOLES (ALSO INCLUDE 614.30)
	604.40E	PIPE COLLARS
1	-	THE ODESTICE
	605.10A	CLASS A UNDERDRAINS
		CONTRACTOR OF CO
	606.00T	GUARD RAIL (2 SHEETS)
	606.20G	BRIDGE ANCHOR SECTION (BRUSH CURB) (ALSO INCLUDE 606.00)
<u> </u>	606.21F	
	606.22D	BRIDGE ANCHOR SECTION - CURB TYPE (ALSO INCLUDE 606.00)  BRIDGE ANCHOR SECTION (SAFETY BARRIER CURB) (ALSO INCLUDE 606.00)
`.	606.30E	
-	606.40A	TERMINAL SECTION (ALSO INCLUDE 606.00)
-	000.40A	GUARD CABLE
. —	607.10R	CHAIN LINK FENCE *
	607.11B	CHAIN LINK FENCE FOR RETAINING WALLS
	607.20F	WOVEN WIRE FENCE (ALSO INCLUDE 607.10)
		P. SOU HIGGING COT. IVI
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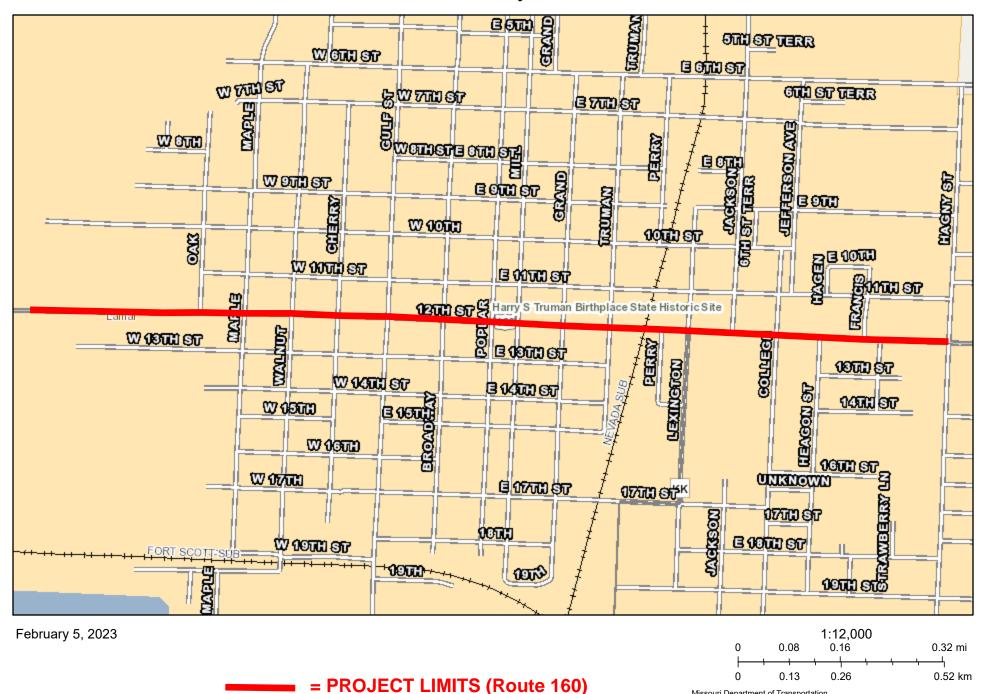
<b>√</b>	NO.	DESCRIPTION	
寸	608.00C	PAVED APPROACHES	
$\neg$	608.10G	CONCRETE SIDEWALK & WHEELCHAIR RAMPS	
	608.20C	CONCRETE STEPS	
$\Rightarrow$	609.00G	CONCRETE CURB - CURB & GUTTER - GUTTER	
7	609.15A	PAVED DITCHES	
	609.40D	DRAIN BASIN, SHOULDER PAVING & FILL SLOPE AT BRIDGE ENDS	
-	609.60A	DITCH LINER	
4	609.70C	ROCK LINING FOR CULVERT OUTLETS	
┩	610.20E	BRICK MANHOLES (ALSO INCLUDE 614.30)	
┪	611.60L	CONCRETE SLOPE PROTECTION	
-	612.10K	BARRICADES AND FLASHER SIGNS	
┪	613.00A	PAVEMENT REPAIR	
	614.10N	CURB INLETS, GRATES & BEARING PLATES	
	614.30D	MANHOLE FRAMES & COVERS	
$\dashv$	615.00A	OFFICE FOR ENGINEER	
$\forall$	616.10J	TRAFFIC CONTROL DEVICES (3 SHEETS) (ALSO INCLUDE 903.01)	
	617.00V	CONCRETE TRAFFIC BARRIER (3 SHEETS)	
-	702.01E	15" CONCRETE DI EC IARRENTE TURENTA CHETTO	
$\dashv$		16" CONCRETE PILES (APPROVED TYPES) (2 SHEETS)	
ᅱ	702.02B	CAST-IN-PLACE CONCRETE PILES (APPROVED TYPES)	
	703.20D	CONCRETE BOX CULVERTS, H20 LOADING (3 SHEETS) (INCL. 706.35)	
$\overline{}$	703.21D	CONCRETE BOX CULVERTS, H20 LOADING (3 SHEETS) (FLARED WINGS) (INCL. 706.35)	
	703.24E	CONCRETE BOX CULVERTS, SKEW DATA (703.20 & 703.30) (INCL. 706.35)	
	703.25D	CONCRETE BOX CULVERTS, SKEW DATA (703.21) (3 SHEETS) (FLARED WINGS) (INCL. 706.35)	
$\overline{}$	703.30E	CONCRETE BOX CULVERTS, 4' SPANS & LESS - ALL LOADING (INCL. 706.35)	
	703.35B	CONCRETE BOX CULVERTS, CUTTING DETAILS (STRAIGHT WINGS) (INCL. 706.35)	
	703.36A	CONCRETE BOX CULVERTS, CUTTING DETAILS (FLARED WINGS) (INCL. 706.35)	
	703.50G	CONCRETE DOUBLE BOX STRUCTURE - SQUARE (INCL. 706.35)	
	703.51F	CONCRETE DOUBLE BOX STRUCTURE - SKEWED (INCL. 796.35)	
	703.52C	CONCRETE DOUBLE BOX STRUCTURE - CUT SECTIONS (INCL. 706.35)	
	703.54D	DOUBLE BOX STRUCTURE REINFORCEMENT - H20 OR HS20 LOADING (8 SHEETS)	
	703.55D	CONCRETE DOUBLE BOX STRUCTURE (FLARED WINGS) SQUARE (INCL. 706.35)	
	703.56D	CONCRETE DOUBLE BOX STRUCTURE (FLARED WINCS) SKEWED (INCL. 706.35)	
	703.60C	CCNCRETE BOX STRUCTURE - PIPE INLET	
	703.70C	CONCRETE TRIPLE BOX STRUCTURE - SQUARE (2 SHEETS) (INCL. 706.35)	
	703.71C	CONCRETE TRIPLE BOX STRUCTURE - SKEV/ED (2 SHEETS) (INCL. 706.35)	
	703.72C	CONCRETE TRIPLE BOX STRUCTURE - (FLARED WINGS) (SQUARE) (2 SHEETS) (INCL. 706.35)	
	703.73C	CONCRETE TRIPLE BOX STRUCTURE - (FLARED WINGS) (SKEWED) (2 SHEETS) (INCL. 706.35)	
	703.74C	CONCRETE TRIPLE BOX STRUCTURE - CUT SECTIONS (INCL. 706.35)	
	703.76B	CONCRETE TRIPLE BOX STRUCTURE REINFORCEMENT - H20 OR HS20 LOADING (5 SHEETS)	
	706.30E	REINFORCING BAR SUPPORTS	
/	706.35E	BAR SUPPORTS FOR CONCRETE REINFORCEMENT	
	712.40E	STEEL DAMS FOR BRIDGES (6" CHANNEL)	
	725.31C	METAL CURTAIN WALL AND METAL INLETS	
/	726.30C	CULVERT INSTALLATION METHODS	
	731.0CR	PRECAST MANHOLES (ALSO INCL. 614.30)	
_	731.10H	PRECAST DROP INLETS (4 SHEETS) (ALSO INCLUDE 614.30 & 614.10)	
/	732.00L	FLARED END SECTION (2 SHEETS)	
	806.02A	STAPLE PLACEMENT FOR PLASTIC NETTING	
		· · · · · · · · · · · · · · · · · · ·	
	-		
	<u> </u>		

⊿	NO.	DESCRIPTION
		HIGHWAY LIGHTING
_	901.00N	POLES & APPURTENANCES - 30' (3 SHEETS)
	901.01T	POLES & APPURTENANCES - 45' (3 SHEETS)
$\Box$	901.05A	CONTROL PANEL CABINET DETAILS (2 SHEETS) (NOTE BELOW)
_!	901.12C	POLE MOUNT, CONT. STA SECONDARY SERV 480 V MULTI, CIR. (NOT METERED)
	901.15E	POLE MOUNT. CONT. STA SEC. SERV 120, 240, & 480 V MULTI. CIR.
$\neg$	901.16D	POLE MOUNT. CONT. STA SEC. SERV 480 V MULTI. CIR. (METERED)
	901.18D	POLE MOUNT, CONT. STA SEC. SERV. 120/240 V MULTI, CIR.
	901.19D	POLE MOUNT. CONT. STA SEC. SERV 240 V MULTI CIR. (NOT METERED)
	901.20D	POLE MOUNT. CONT. STA SEC. SERV 120/240 V MULTI. CIR. (SIG. METERED)
	901.22E	POLE MOUNT, CONY, STA SEC. SERV 120/240 & 480 V MULTI, CIR. (BOTH METERED)
	901.23E	POLE MOUNT, CONT. STA. — SEC. SERV 240 V MULTI, CIR. (METERED)
	901.24D	POLE MOUNT, CONT. STA SEC. SERV 240 V MULTI, CIR. (LT'S & SIGS-BOTH METERED)
_	901.25D	BASE MOUNT, CONT. STA SEC. SERV 120/240 V MULTI, CIR.
_		TEO PO VINCE I. COI.
_		NOTE: ALSO INCLUDE 901.05 WITH 901.12 THROUGH 901.25 EXCEPT 901.18
_		
-		TRAFFIC SIGNALS
	902.00E	SIGNAL HEADS, LENSES AND MOUNTING
	902.10J	PULL BOXES, CONTROLLERS, COND. LOCATION
_	902.15D	POWER SUPPLY ASSEMBLY
_	902.21B	TELEPHONE INTERCONNECT
_	902.30G	CONCRETE BASES
_	902.40G	TUBULAR STEEL POST
_	902.50E	DETECTORS
	902.60E	SPAN WIRE DETAILS - STEEL POST
	902.708	SPAN WIRE DETAILS - STEEL POST  SPAN WIRE DETAILS - WOOD POLE
-	302.70B	TRAFFIC SIGNAL SYMBOLS
_	302.00A	TRAFFIC SIGNAL STINBULS
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_	<u></u>	HIGHWAY SIGNING
_	903.01C	ALPHABETS (2 SHEETS)
_	903.02W	HIGHWAY SIGNING (7 SHEETS)
	903.03AJ	SIGN MOUNTING DETAILS (5 SHEETS)
	903.04D	WEIGH STATION SIGNING
_	903.0EC	TUBULAR SPAN SUPPORT - ONE TUBE, TYPE S
_	903.06C	TUBULAR SPAN SUPPORT - TWO TUBE, TYPE S
_	903.07C	TUBULAR CANTILEYER SUPPORTS, TYPE C
_	903.08C	TUBULAR BUTTERFLY SUPPORTS, TYPE B
	903.09C	LIGHTING SUPPORT BRACKET
	903.107	SIGN TRUSSES - OVERHEAD ALUMINUM (8 SHEETS) (INCL. 903.03)
	903.12N	SIGN TRUSSES - BUTTERFLY & CANTILEVER - STEEL (7 SHEETS) (INCL. 903.03)
_	903.60S	SIGN TRUSSES - OVERHEAD STEEL (7 SHEETS) (INCL. 903.03)
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NOTES: Plans for this project were developed using Drawings from this index

# REVISED SINCE JANUARY 19

## J7S3531B - City of Lamar



Missouri Department of Transportation