SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE NUMBER	STATION	REMARKS	PLAN	TYPE	STORM DRAIN PIPE (TYPE 3 JTS.) 15" LIN. FT.	18" LIN. FT.	24" LIN. FT.	30" LIN. FT.	36" LIN. FT.	42" LIN. FT.	STORM DRAIN PIPE ARCH (TYPE 3 JTS.) 30" EQ. LIN. FT.	60" EQ. LIN. FT.	STORM DRAIN PIPE (OUTFALL) (TYPE 3 JTS.) 48" LIN. FT.			STORM DRAIN PIPE ARCH (OUTFALL) (TYPE 3 JTS.) 30" EQ. LIN. FT.		JACKED OR BORED PIPE 24" LIN. FT.	CROSS DRAIN PIPE ARCH (T 2 JTS.) 30"EQ. 36"EQ. LIN. FT.	SIDE DRAIN* PIPE (TYPE 1 JTS.) 18" LIN. FT.	24" LIN. FT.	30" LIN. FT.	SIDE DRAIN* PIPE ARCH (TYPE 1 JTS.) 18" EQ. LIN. FT.	48" EQ. LIN. FT.	FABRICATING CONDUIT FITTINGS 30"X30"X15" EACH	CATCH BASINS CB-01 EACH	CB-06 EACH	CB-08 EACH	MANHOLES R-CB-11 EACH	R-CB-11MOD. EACH	ADJUSTING MANHOLES EACH	SIDE DRAIN SAFETY END TYPE 1 EACH
	55+86 ⊠	SIDE DRAIN PIPE 24" X 55' LT. WITH SAFETY END TREATMENT ONE END.		S.D.																		55											1
	56+25 ⊠	SIDE DRAIN PIPE 24" X 34' LT. WITH SAFETY END TREATMENT BOTH ENDS.		S.D.																		34											2
	56+73 ⊠	CROSS DRAIN PIPE ARCH [30" EQUIV. R.C.P.A. OR 36" EQUIV. PCCSPA (14/14) OR 36" EQUIV. BCCSPA (14/14) OR 36" EQUIV. CAPA (X/14)] WITH SAFETY END TREATMENT BOTH ENDS.		C.D.P.A.																70													
		SUBTOTAL																		70		89											3
		TOTALS S.P. 268-02-0014			156	86	608				92					110				70	110	189	102				7	2	2	1			10
		S.P. 013-06-0034																															
	41+39	SIDE DRAIN PIPE 18" X 28' LT. WITH SAFETY END TREATMENT BOTH ENDS		S.D.																	28											2
	42+58	SIDE DRAIN PIPE 18" X 28' LT. WITH SAFETY END TREATMENT BOTH ENDS		S.D.																	28											2
	43+33	SIDE DRAIN PIPE 18" X 28' LT. WITH SAFETY END TREATMENT BOTH ENDS		S.D.																	28											2
	43+95	SIDE DRAIN PIPE 18" X 28' LT. WITH SAFETY END TREATMENT BOTH ENDS		S.D.																	28											2
	44+84	SIDE DRAIN PIPE 18" X 28' LT. WITH SAFETY END TREATMENT BOTH ENDS		S.D.																	28											2
	47+09	SIDE DRAIN PIPE 18" X 38' LT. WITH SAFETY END TREATMENT BOTH ENDS		S.D.																	38											2
	51+80	SIDE DRAIN PIPE ARCH (18" EQUIV.) X 40' LT. WITH SAFETY END TREATMENT BOTH ENDS		S.D.A.																				40									2
	52+60	SIDE DRAIN PIPE ARCH (24" EQUIV.) X 20' LT. WITH SAFETY END TREATMENT BOTH ENDS		S.D.A.																				20									2
	59+60	REQ'D. 3-24" X 55' R.C.P. TO BE JACKED OR BORED																165															
		TOTALS S.P. 013-06-0034																165			178			60									16
		TOTALS FOR ALL PROJECTS			896	311	1074	489	566	452	92	1364	312			110		165	290	288	420	204	246	600	1	57	36	13	2	1	8	26

* Allowable Materials Include: RCP(A),PCCSP(A),BCCSP(A),FBBCCSP(A),CAP(A), RPVCCP,RPECP And CPECP. Minimum Metal Pipe Gages Required To Provide 30-Year Service Life Are As Shown In The Side Drain Table.

SIDE DRAIN TABLE

ROUND PIPE DIAMETER	ARCH PIPE ROUND EQUIVALENT DIAMETER	GAGE+ PCCSP PCCSPA	BCCSP BCCSPA	FBBCCSP FBBCCSPA	CAP CAPA
18		x/16	x/14	x/14	x/12
24		x/14	x/14	x/14	x/12
30		x/14	x/14	x/14	12/12
36		14/14	14/14	14/14	12/12
42		14/14	14/14	14/14	12/12
	18	x/16	x/14	x/14	x/12
	24	x/14	x/14	x/14	x/12
	42	14/14	14/14	14/14	x/12

+ Gage Specification 00/00: The Upper Number Is Minimum Gage For 3"x1", 5"x1", Or 6"x1" Corrugations And The Lower Number Is Minimum Gage For 2 2/3" x1/2" Corrugations. An "X" In Either The Upper Or Lower Space Indicates That No Gage Is Applicable In That Corrugation Style.

NOTE: For All Structures, If Fill Height Exceeds 11', RPVCCP Shall Not Be Used.

ABBREVIATIONS

RCP(A) - Reinforced Concrete Pipe(Arch)
BCCSP(A) - Bituminous Coated Corrugated Steel Pipe(Arch)
CAP(A) - Corrugated Aluminum Pipe(Arch)
PCCSP(A) - Polymer Coated Corrugated Steel Pipe(Arch)
FBBCCSP(A) - Fiber Bonded Bituminous Coated Corrugated Steel Pipe(Arch)
RPVCCP - Ribbed Polyvinyl Chloride Culvert Pipe
RPECP - Ribbed Polyethylene Culvert Pipe
CPECP - Corrugated Polyethylene Culvert Pipe
SD (A) - Side Drain Pipe (Arch)
CB - Catch Basin
MH - Manhole
CDP (A) - Cross Drain Pipe (Arch)
SDP (A) - Storm Drain Pipe (Arch)

△ STATION IS ALONG 1027 WEST
⊠ STATION IS ALONG 1027 EAST
* SEE SHEET NO. 55

NOTE: ALL CATCH BASINS AND MANHOLES WITH DIMENSIONS LESS THAN OR EQUAL TO 10 FT. X 10 FT. MAY BE PRECAST - SEE STANDARD PLAN PC-01

NOTE: LENGTH OF R.C. BOX CULVERTS ARE INSIDE TO INSIDE OF HEADWALLS.

FIGURE 8-45: SUMMARY OF DRAINAGE STRUCTURES (Rural)

SHEET NUMBER 55
PARISH LIVINGSTON
FEDERAL PROJECT STP-423-1(005), STP-396-2(002)
STATE PROJECT 268-02-0014, 013-06-0034
DESIGNED P. RILEY
CHECKED S. PERAULT
DETAILED P. RILEY
CHECKED S. PERAULT
DATE
SHEET TABLES1.DGN
REVISION DESCRIPTION BY DATE NO.
Summary of Drainage Structures
ROAD DESIGN

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