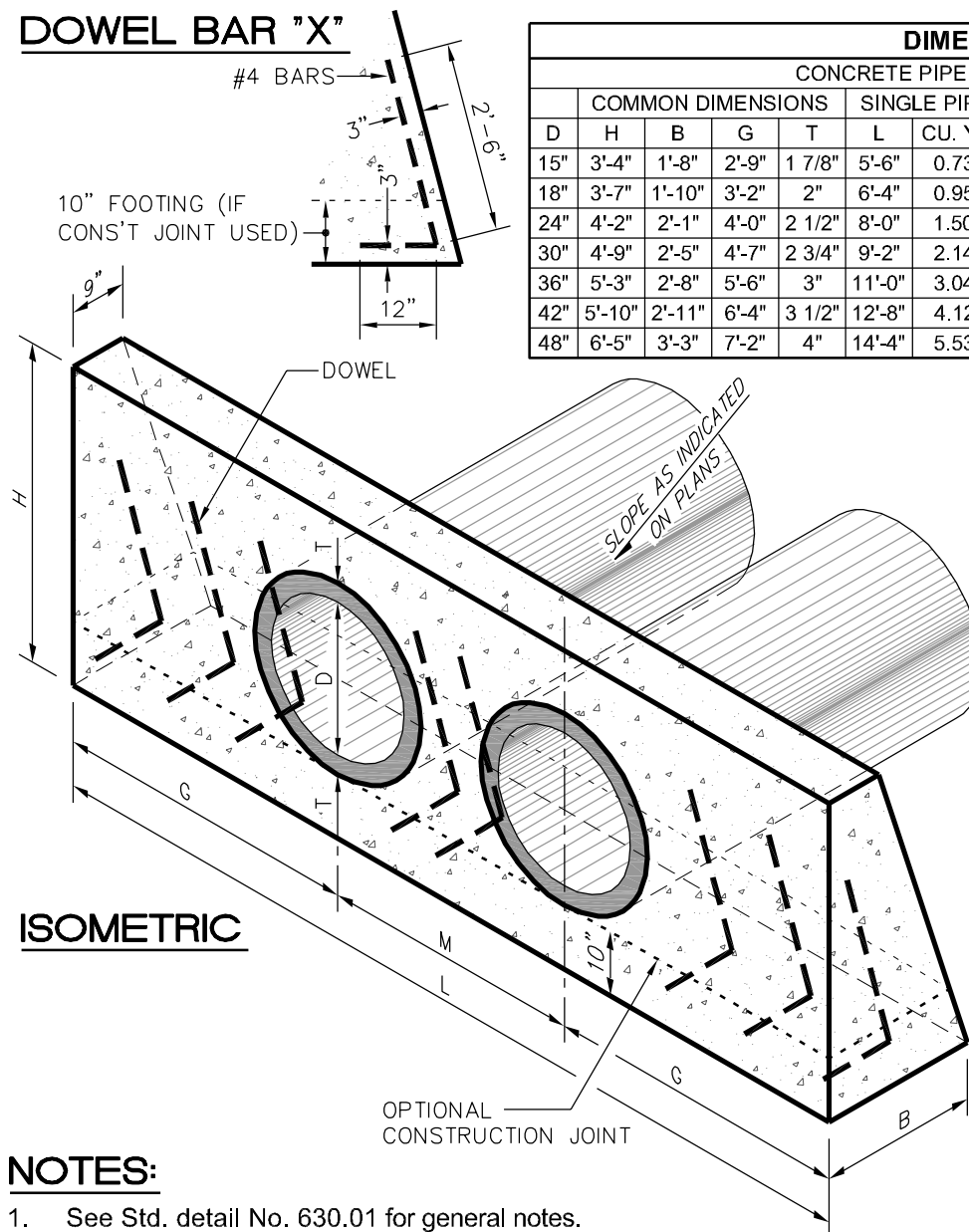


DOWEL BAR "X"**DIMENSIONS AND CONCRETE QUANTITIES**

CONCRETE PIPE										CORRUGATED METAL PIPE					
COMMON DIMENSIONS					SINGLE PIPE					COMMON DIMS.			SINGLE PIPE		
D	H	B	G	T	L	CU. YD.	M	L	CU. YD.	H	B	G	L	CU. YD.	M
15"	3'-4"	1'-8"	2'-9"	1 7/8"	5'-6"	0.734	2'-2"	7'-8"	0.970	3'-0"	1'-6"	2'-6"	5'-0"	0.573	1'-11"
18"	3'-7"	1'-10"	3'-2"	2"	6'-4"	0.958	2'-7"	8'-11"	1.274	3'-3"	1'-8"	2'-11"	5'-10"	0.767	2'-3"
24"	4'-2"	2'-1"	4'-0"	2 1/2"	8'-0"	1.506	3'-5"	11'-5"	2.010	3'-9"	1'-11"	3'-8"	7'-4"	1.200	3'-0"
30"	4'-9"	2'-5"	4'-7"	2 3/4"	9'-2"	2.145	4'-3"	13'-5"	2.920	4'-3"	2'-2"	4'-5"	8'-10"	1.757	3'-9"
36"	5'-3"	2'-8"	5'-6"	3"	11'-0"	3.040	5'-0"	16'-0"	4.086	4'-9"	2'-5"	5'-2"	10'-4"	2.455	4'-6"
42"	5'-10"	2'-11"	6'-4"	3 1/2"	12'-8"	4.120	5'-10"	18'-6"	5.534	5'-3"	2'-8"	5'-11"	11'-10"	3.310	5'-3"
48"	6'-5"	3'-3"	7'-2"	4"	14'-4"	5.535	6'-8"	21'-0"	7.427	5'-9"	2'-11"	6'-8"	13'-4"	4.337	6'-0"

DOWELS IN ENDWALL WITH REINFORCED CONC. PIPE

L	PIPE DIA.	SINGLE PIPE								DOUBLE PIPE							
		15"	18"	24"	30"	36"	42"	48"		15"	18"	24"	30"	36"	42"	48"	
O	C.	BARS	X	X	X	X	X	X	Y	X	X	X	X	X	X	X	Y
G	QTY.	2	2	3	3	4	4	5		2	2	3	3	4	4	5	
M	QTY.	-	-	-	-	-	-	2	-	1	1	2	2	2	2	2	-
G	QTY.	2	2	3	3	4	4	5		2	2	3	3	4	4	5	
TOT.	LBS.	9	9	14	14	19	55	65		12	12	19	19	23	77	92	

SEE NOTE

DOWELS IN ENDWALL WITH CORRUGATED METAL PIPE

L	PIPE DIA.	SINGLE PIPE								DOUBLE PIPE							
		15"	18"	24"	30"	36"	42"	48"		15"	18"	24"	30"	36"	42"	48"	
O	C.	BARS	X	X	X	X	X	X	Y	X	X	X	X	X	X	X	Y
G	QTY.	2	2	3	3	4	4	5		2	2	3	3	4	4	5	
M	QTY.	-	-	-	-	-	-	2	-	1	1	1	2	2	2	2	-
G	QTY.	2	2	3	3	4	4	5		2	2	3	3	4	4	5	
TOT.	LBS.	9	9	14	14	19	53	62		12	12	16	19	23	73	85	

SEE NOTES

15" THRU 48" PIPE
90° SKEW

NOTES:

1. See Std. detail No. 630.01 for general notes.



PUBLIC WORKS DEPARTMENT
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CITY OF GREENVILLE, N.C.

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No.	Date	Description
1	9/16/11	APPROVAL
Scale: not to scale		
Sheet #: 1 of 1		Detail # 632.01

STD. CONC. ENDWALL FOR SINGLE & DOUBLE PIPE CULVERTS