



GENERAL NOTES:

Construction Specifications: Latest Approved La. Dept. of Highways, Std. Specs.
 Design Specifications: A.A.H.S.O., 1957 as amended to Dec. 31, 1958.
 Live Load: N20-S16-A4 (Modified).
 All concrete to be Class "A".
 All exposed surfaces to be chamfered, unless otherwise noted.
 Reinforcement shall be integrated or hand welded, A.S.T.M. AISI or
 Rail Steel A.S.T.M. A16 conforming to A.S.T.M. A305.
 Dimensions relating to reinforcing steel are to bar centers.
 Place 6 cu ft of large size gravel in base back behind & around
 each Manhole.
 When Culvert is located near a site, subject to scour, the Top Wall
 shall be made deeper or Riprap placed around face of the wall
 to prevent scour.
 For Details of Expansion & Construction Joints, See Std. Plan 07-49.

OPENINGS		BARREL		WINGS		CURBS		QUANTITIES		OPENINGS	
SIZE	NO.	AREA	SLAB	WALL	T. A	D	H	STEEL	CONCRETE	STEEL	CONCRETE
FEET		SQ. FT.		FEET	IN.	IN.	IN.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
3x3	2	10.41	25.63	3	5.47	2.03	1.47	61.08	0.772	4166	37.88
	3	27.41	25.63	3	5.47	2.03	1.47	100.03	0.6706	6023	43.84
	4	36.41	25.63	3	5.47	2.03	1.47	133.01	0.589	7900	55.08
	5	45.41	25.63	3	5.47	2.03	1.47	165.99	0.512	9781	66.16
	6	54.41	25.63	3	5.47	2.03	1.47	198.97	0.4393	11896	77.32
4x4	2	32.28	21.72	4	6.10	3.5	1.8	174.10	1.2433	10637	78.66
	3	48.28	21.72	4	6.10	3.5	1.8	212.25	1.0168	13210	94.66
	4	64.28	21.72	4	6.10	3.5	1.8	246.20	0.8164	15198	110.66
	5	80.28	21.72	4	6.10	3.5	1.8	277.80	0.6956	17594	126.94
	6	96.28	21.72	4	6.10	3.5	1.8	307.80	0.5866	19935	142.94
5x5	2	50.20	19.05	5	8.23	4.13	2.05	253.10	1.4705	12945	101.32
	3	75.20	19.05	5	8.23	4.13	2.05	321.80	1.1921	16330	126.94
	4	100.20	19.05	5	8.23	4.13	2.05	387.80	0.9930	19734	152.54
	5	125.20	19.05	5	8.23	4.13	2.05	451.80	0.8164	23158	178.15
	6	150.20	19.05	5	8.23	4.13	2.05	514.80	0.6568	26592	203.76
6x6	2	72.15	16.82	6	9.74	4.78	2.4	311.93	1.7444	14444	110.66
	3	108.15	16.82	6	9.74	4.78	2.4	467.89	1.3921	21333	152.54
	4	144.15	16.82	6	9.74	4.78	2.4	623.85	1.0168	28222	194.42
	5	180.15	16.82	6	9.74	4.78	2.4	779.80	0.6568	35111	236.30
	6	216.15	16.82	6	9.74	4.78	2.4	935.76	0.5068	42000	278.18

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FEET		SQ. FT.		FEET	IN.	IN.	IN.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
3x3	2	10.41	25.63	3	5.47	2.03	1.47	61.08	0.772	4166	37.88
	3	27.41	25.63	3	5.47	2.03	1.47	100.03	0.6706	6023	43.84
	4	36.41	25.63	3	5.47	2.03	1.47	133.01	0.589	7900	55.08
	5	45.41	25.63	3	5.47	2.03	1.47	165.99	0.512	9781	66.16
	6	54.41	25.63	3	5.47	2.03	1.47	198.97	0.4393	11896	77.32
4x4	2	32.28	21.72	4	6.10	3.5	1.8	174.10	1.2433	10637	78.66
	3	48.28	21.72	4	6.10	3.5	1.8	212.25	1.0168	13210	94.66
	4	64.28	21.72	4	6.10	3.5	1.8	246.20	0.8164	15198	110.66
	5	80.28	21.72	4	6.10	3.5	1.8	277.80	0.6956	17594	126.94
	6	96.28	21.72	4	6.10	3.5	1.8	307.80	0.5866	19935	142.94
5x5	2	50.20	19.05	5	8.23	4.13	2.05	253.10	1.4705	12945	101.32
	3	75.20	19.05	5	8.23	4.13	2.05	321.80	1.1921	16330	126.94
	4	100.20	19.05	5	8.23	4.13	2.05	387.80	0.9930	19734	152.54
	5	125.20	19.05	5	8.23	4.13	2.05	451.80	0.8164	23158	178.15
	6	150.20	19.05	5	8.23	4.13	2.05	514.80	0.6568	26592	203.76
6x6	2	72.15	16.82	6	9.74	4.78	2.4	311.93	1.7444	14444	110.66
	3	108.15	16.82	6	9.74	4.78	2.4	467.89	1.3921	21333	152.54
	4	144.15	16.82	6	9.74	4.78	2.4	623.85	1.0168	28222	194.42
	5	180.15	16.82	6	9.74	4.78	2.4	779.80	0.6568	35111	236.30
	6	216.15	16.82	6	9.74	4.78	2.4	935.76	0.5068	42000	278.18

