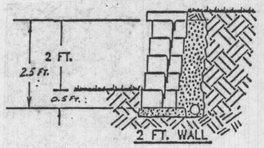
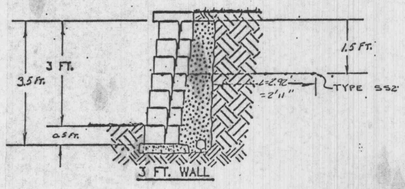
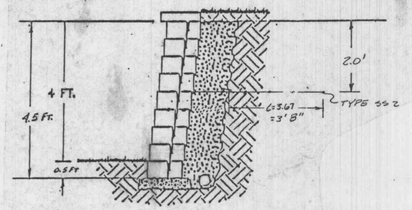


2 FT. WALL



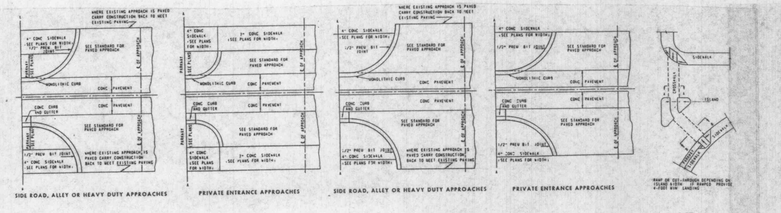
3 FT. WALL

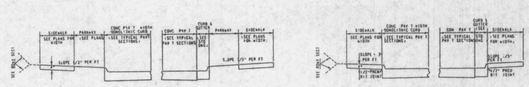


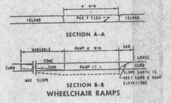
4 FT. WALL

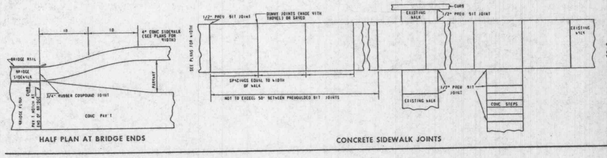
VERSA LOK RETAINING WALL

NOT TO SCALE





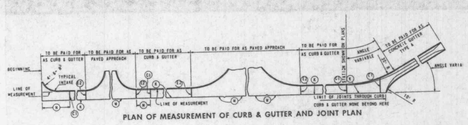


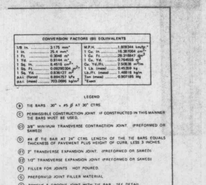


MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

CONCRETE SIDEWALK AND WHEELCHAIR RAMPS

REVISED- June 1, 1984 | DRAWING 608.10G | SHEET 1 of 3





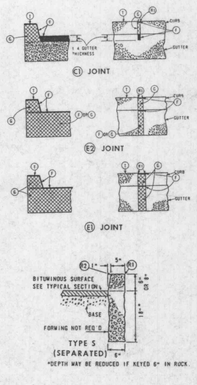
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

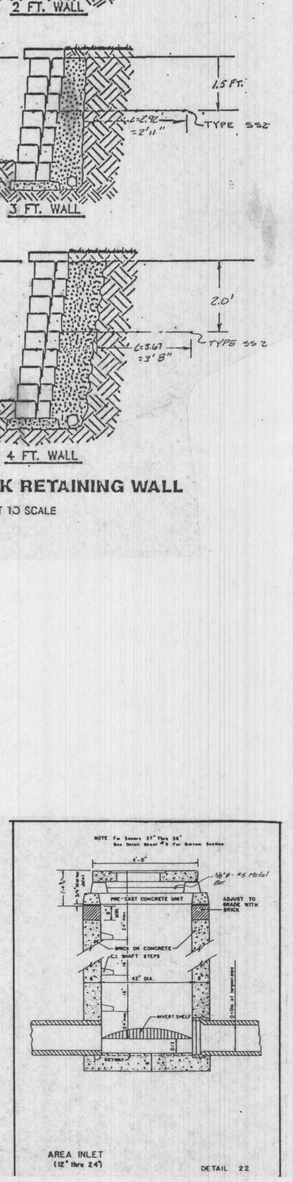
CONCRETE CURB CURB & GUTTER GUTTER

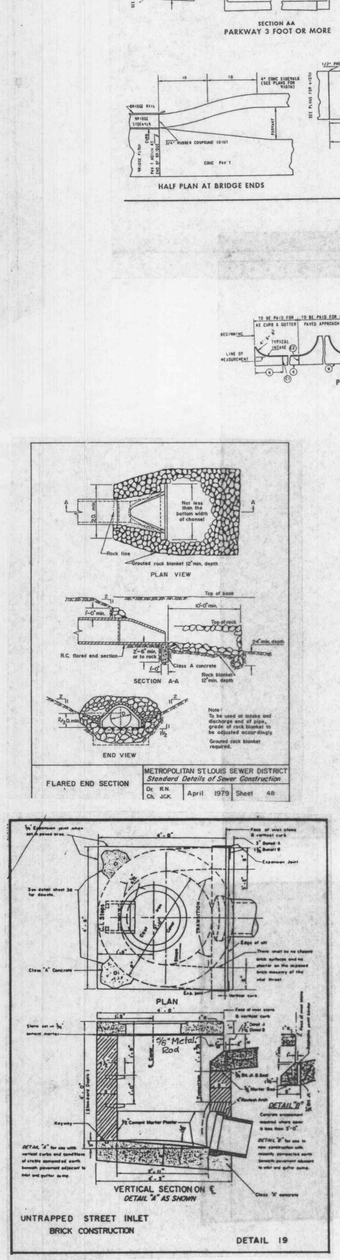
REVISED- OCT. 1, 1981 | DRAWING 609.00G | SHEET 1 of 1

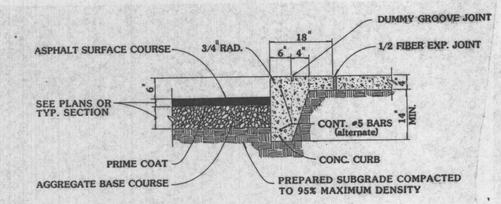
FLARED END SECTION

METROPOLITAN ST.LOUIS SEWER DISTRICT
Standard Details of Sewer Construction
Dr. R.N. | Ck. J.C.K. | April 1979 | Sheet 48

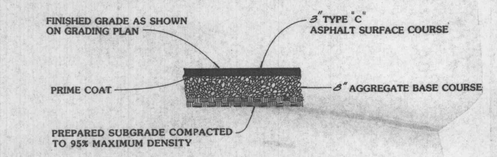






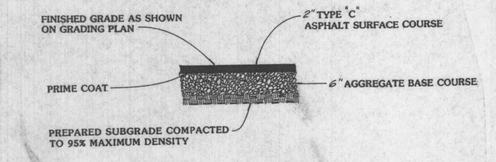


6" CONC. CURB WITH SIDEWALK
N.T.S.

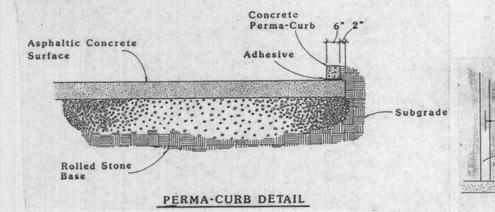


* MAIN DRIVE & ENTRANCE ONLY.

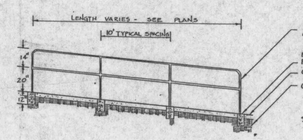
TYPICAL PARKING LOT PAVEMENT DETAILS
N.T.S.



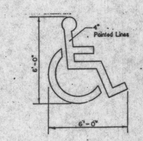
TYPICAL PARKING LOT PAVEMENT DETAILS
N.T.S.



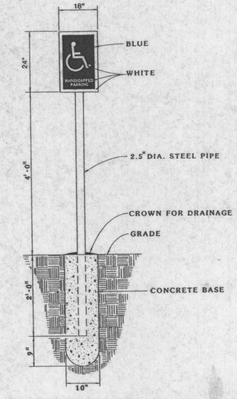
PERMA-CURB DETAIL



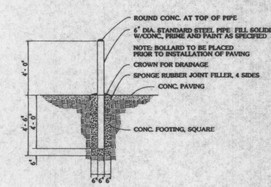
HANDRAIL DETAIL



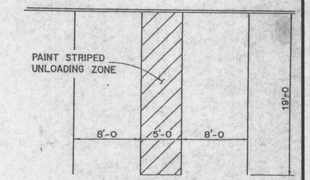
PARKING LOT HANDICAPPED SYMBOL
N.T.S.



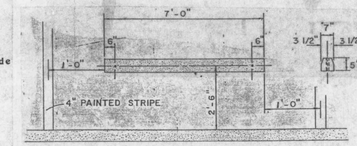
HANDICAPPED SIGN DETAIL
N.T.S.



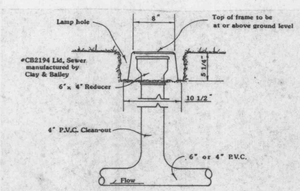
BOLLARD DETAIL
N.T.S.



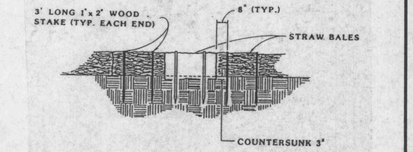
HANDICAP PARKING STALL
N.T.S.



WHEEL STOP DETAIL
N.T.S.



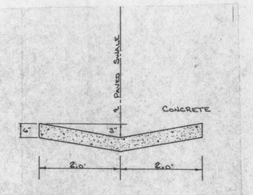
CLEAN-OUT DETAIL
Not to Scale



STAKED BALE DETAIL
N.T.S.

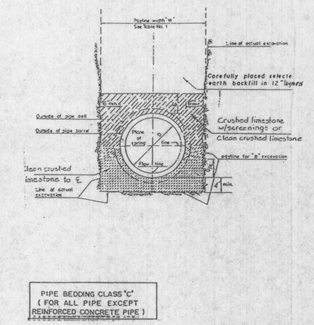
SILTATION CONTROL

SILTATION CONTROL SHALL CONSIST OF TEMPORARY BERMS AND SWALES TO DIVERT STORM WATER RUNOFF TO A NATURAL DISCHARGE POINT. (SEE GRADING PLAN FOR LOCATIONS.) AT WHICH POINT THERE SHALL BE A DOUBLE ROW OF STRAW BALES WITH FOUR FEET OF SEPARATION BETWEEN ROWS. THE STRAW BALES SHALL BE PLACED WITH A ONE FOOT SEPARATION BETWEEN BALES AND STRAW BALES SHALL BE STAGGERED. IN AREAS WHERE A BERM AND SWALE ARE NOT FEASIBLE, A SINGLE ROW OF STRAW BALES SHALL BE PLACED END TO END TO PROTECT ADJACENT PROPERTY AND RIGHT-OF-WAYS (THIS SHALL BE THE RESPONSIBILITY OF THE GRADING CONTRACTOR OR DEVELOPER IF SO AGREED). UPON COMPLETION OF STORM SEWERS, STRAW BALES SHALL BE PLACED ON ALL SIDES OF APPROPRIATE STRUCTURES TO KEEP SILT OUT OF STORM SEWER (THIS SHALL BE THE RESPONSIBILITY OF THE SEWER CONTRACTOR OR THE DEVELOPER IF SO AGREED). ALL STRAW BALES SHALL BE SECURELY ANCHORED AND PROPERLY MAINTAINED UNTIL ALL DISTURBED AREAS ARE PAVED OR VEGETATION ESTABLISHED.



Cross Section Paved Swale

STATE OF MISSOURI
HAROLD J. BARTCH
NUMBER E-17751
REGISTERED PROFESSIONAL ENGINEER
12-7-92

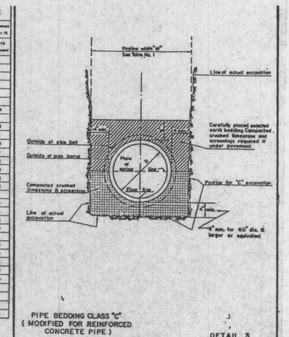


PIPE BEDDING CLASS "C" (FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)

ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
Inside Diameter of Pipe (inches)	"B" Payline Width of Trench (inches)	"C" Payline Width of Trench (Feet)	Pay-volumes cu. ft. per ft. Concrete Encasement	Inside Diameter of Pipe (inches)	"B" Payline Width of Trench (inches)	"C" Payline Width of Trench (Feet)	Pay-volumes cu. ft. per ft. Concrete Encasement
4	24	2.33	3.20				
6	26	2.33	3.46				
8	28	2.33	3.70				
10	28	2.33	3.86				
12	28	2.33	3.98				
15	30	2.67	4.69				
18	33	2.92	5.63	14 x 23	41	3.42	5.84
21	39	3.25	9.61				
24	42	3.50	7.39	19 x 30	49	4.08	7.68
27	45	3.75	8.18	22 x 34	53	4.42	8.61
30	49	4.08	9.30	24 x 38	56	4.83	9.70
33	53	4.42	10.53	27 x 42	62	5.17	10.71
36	56	4.67	11.43	29 x 45	64	5.50	11.72
39	DISCONTINUED			32 x 49	71	5.92	13.14
42	63	5.25	13.56	34 x 53	75	6.25	14.05
48	70	5.83	15.67	38 x 60	83	6.92	16.18
54	77	6.42	18.15	43 x 68	92	7.67	18.81
60	84	7.00	20.73	48 x 76	101	8.42	21.58
66	91	7.58	23.63	53 x 83	109	9.08	24.36
72	98	8.17	26.37	58 x 91	118	9.83	27.45
78	105	8.75	29.55	63 x 98	126	10.50	30.50
84	112	9.33	32.57	68 x 106	135	11.25	33.91
90	119	9.92	35.90	72 x 113	143	11.92	36.89
96	126	10.50	38.57	77 x 121	152	12.67	40.88
102	133	11.08	42.39	82 x 128	160	13.33	44.45
108	140	11.67	46.75	87 x 136	168	14.00	47.70
114	147	12.25	50.66	92 x 143	176	14.67	51.70
120	154	12.83	54.72	97 x 151	185	15.42	56.01
126	161	13.42	58.82				
132	168	14.00	63.27	106 x 166	202	16.83	64.48
144	182	15.17	72.40	116 x 180	218	18.17	73.56

TABLE NO.1
PAYLINE WIDTHS OF TRENCH AND PAY-QUANTITIES OF CONCRETE

DETAIL 1



PIPE BEDDING CLASS "C" (MODIFIED FOR REINFORCED CONCRETE PIPE)

DETAIL 3

3/4