

SITE NOTES

- All dimensions shown are to back of curb unless noted otherwise.
- DO NOT SCALE DRAWINGS, USE DIMENSIONS AS SHOWN.
- Additional attention control may be required as directed by St. Charles County.
- Contractor to notify the engineer if discrepancies are found in the field compared to the design plans.
- Reference points, such as survey monuments, bench marks, stakes, etc., shall be preserved, but if disturbed or destroyed, shall be replaced as directed, at the expense of the contractor.

All concrete and asphalt concrete pavement to be removed shall be sawcut on a straight line along the contact line with the existing pavement to remain. Concrete walks and curbs to be removed shall be sawcut at the nearest contraction or expansion joint.

No work shall be done which will affect existing utilities prior to having ascertained that the utilities have been properly capped, plugged, or otherwise abandoned in a manner acceptable to the affected utility company. The appropriate agency shall be notified prior to the commencement of any work which will affect any existing utility. Removals or relocations by utility companies are to be initiated and coordinated by the Contractor.

All site sewer construction to be per St. Charles County standards and specifications.

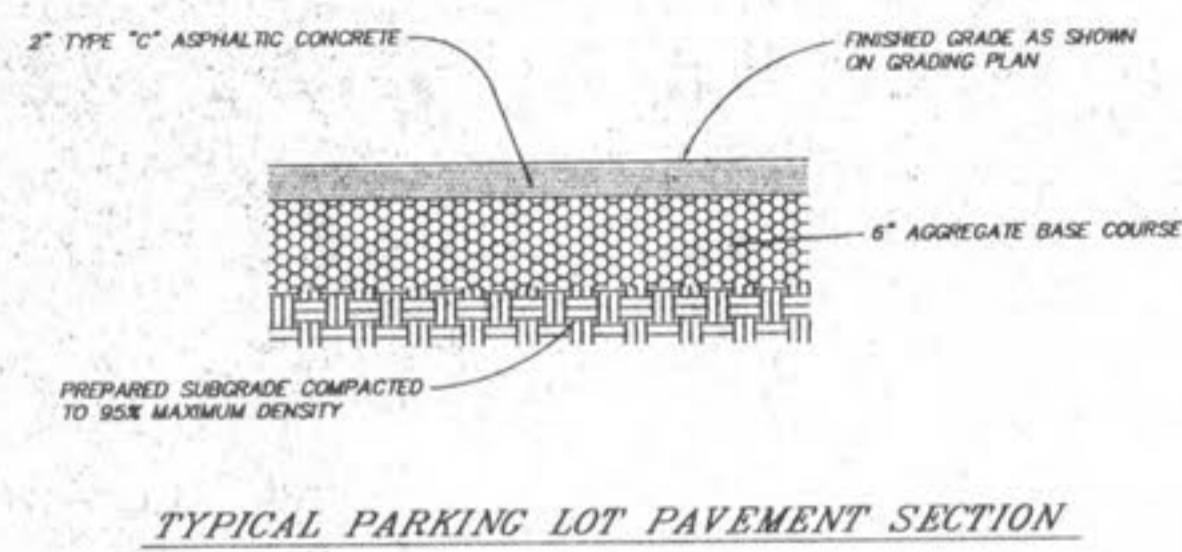
Building dimensions as shown are to outside face of building and are per architectural plans received during October, 1998. Building dimensions are to outside face of wall. See architectural plans for locations of building area walls, walls, etc. If overall building dimensions vary from those shown on these plans, contact the engineer prior to proceeding with site construction.

Conduct operations to prevent injury to adjacent buildings, structures, other facilities and persons. Signs, lights, and barricades shall be installed at all locations as necessary to guard against accident. Promptly repair damages caused to facilities by operations, as directed by the engineer and at no cost to the Owner.

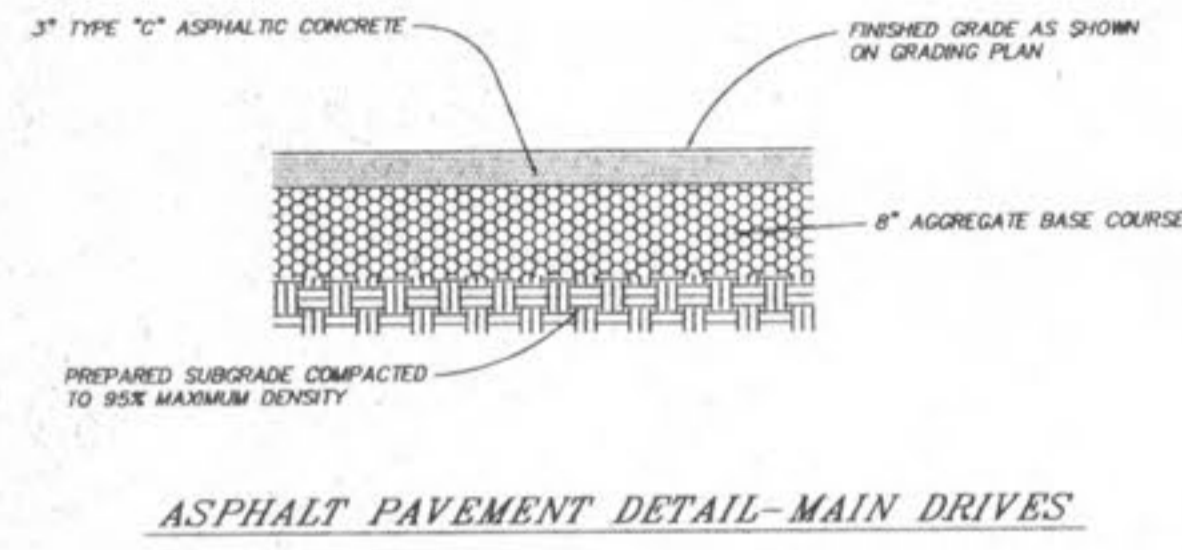
New pavement - The Contractor shall fine grade and proof roll the subgrade to the elevations as shown. Subgrade shall be compacted to densities noted. The base course and surface course shall be constructed in accordance with Missouri Standard Specifications for Highway Construction. The base course shall be Type 2A crushed rock and the compacted thickness shall be as shown on the drawings. Base course shall be compacted to densities noted. The asphalt surface wearing course shall be Type C asphaltic cement, penetration grade 85-100. Final rolled density shall not be below 95% of the average density of Marshall test laboratory specimens. Constructed thickness shall be within 1/4".

Maintenance of finished asphaltic concrete surfacing will be required until acceptance of work by Owner.

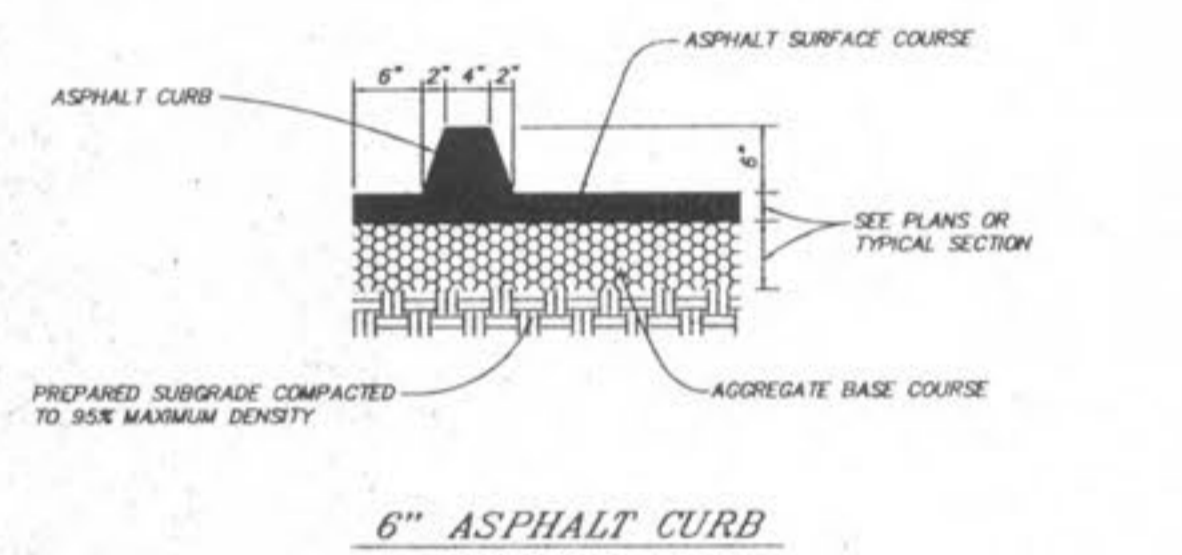
Pavement traffic marking to be one (1) coat of paint, white except as shown, and shall be chlorinated rubber based paint meeting Federal Specifications No. TT-P-115-D, Type II or equal. Application shall be 15 mils thick wet film (320 in. ft. of 4" stripe per gallon).



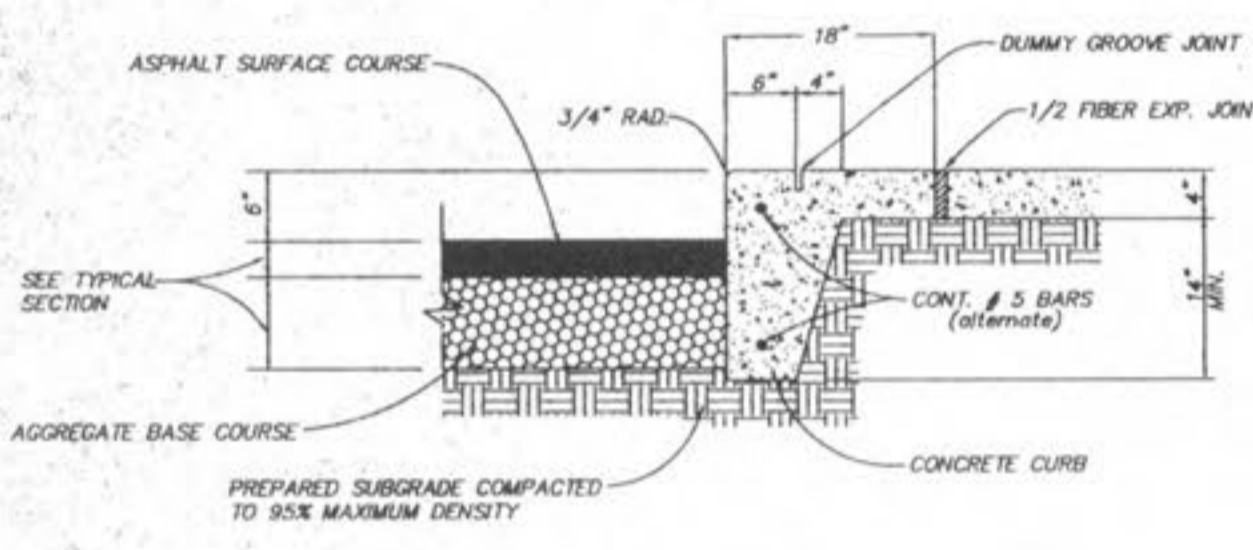
TYPICAL PARKING LOT PAVEMENT SECTION



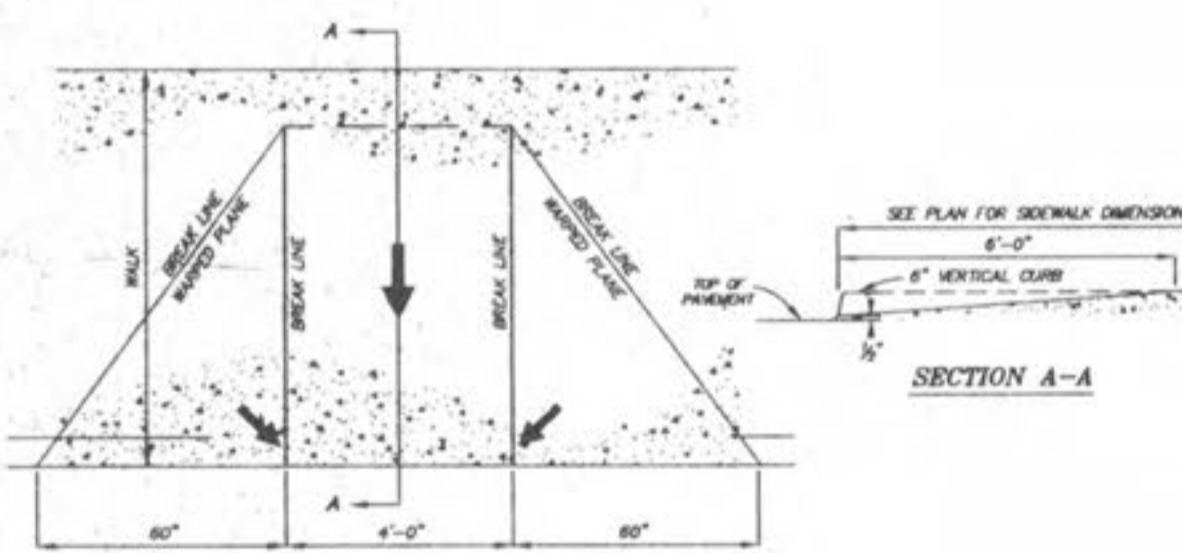
ASPHALT PAVEMENT DETAIL-MAIN DRIVES



6" ASPHALT CURB



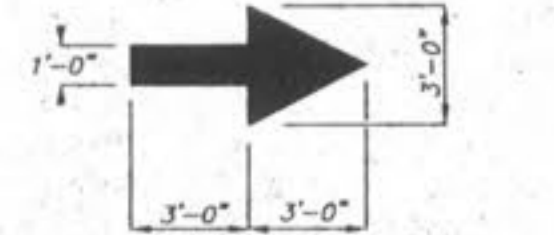
6" CONCRETE CURB WITH SIDEWALK



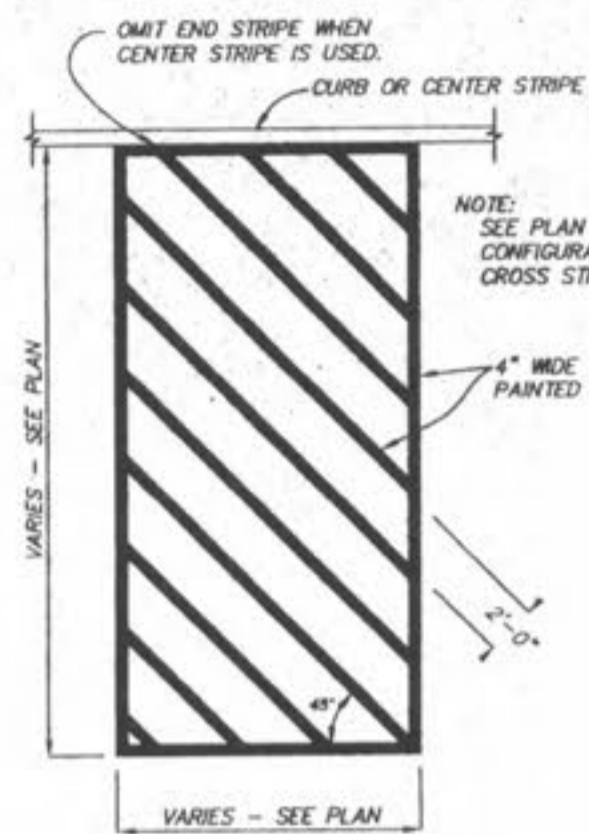
STRAIGHT CURB HANDICAPPED RAMP DETAIL



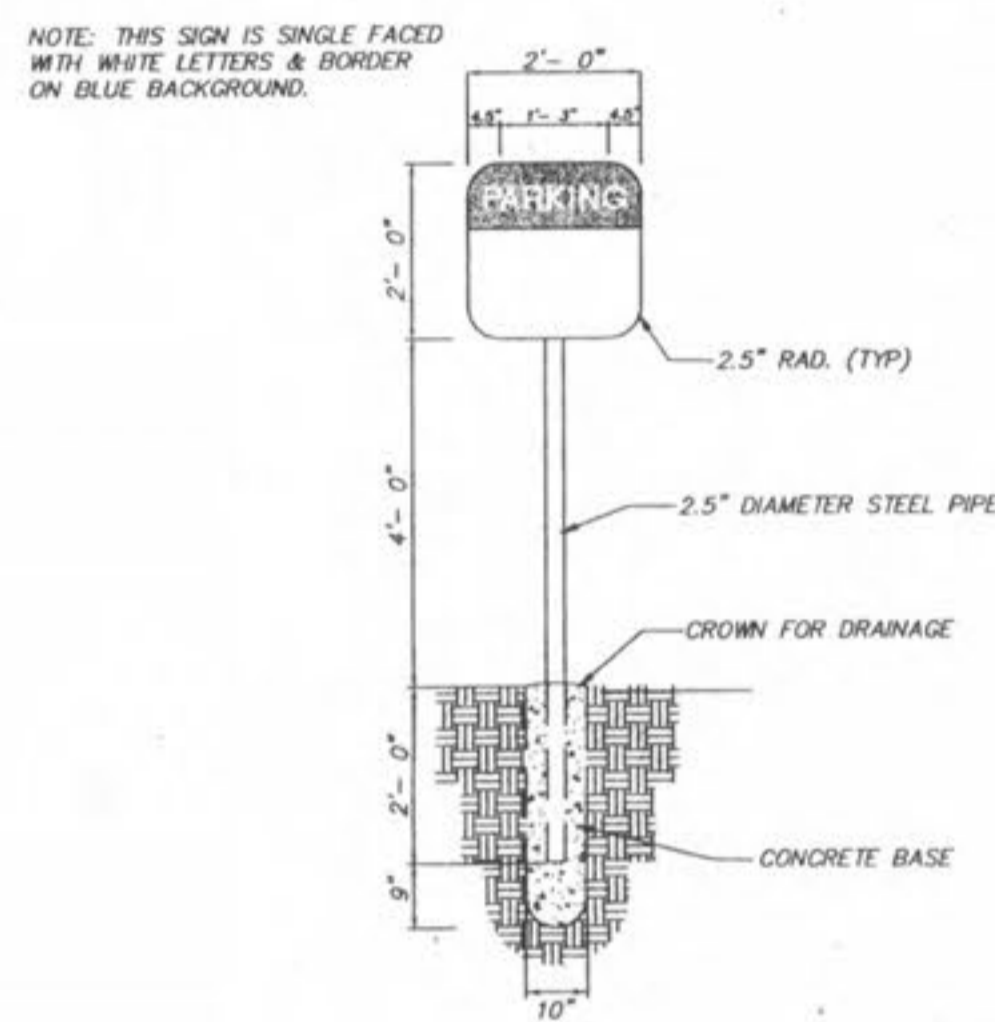
HANDICAPPED PARKING MARKING
N.T.S.



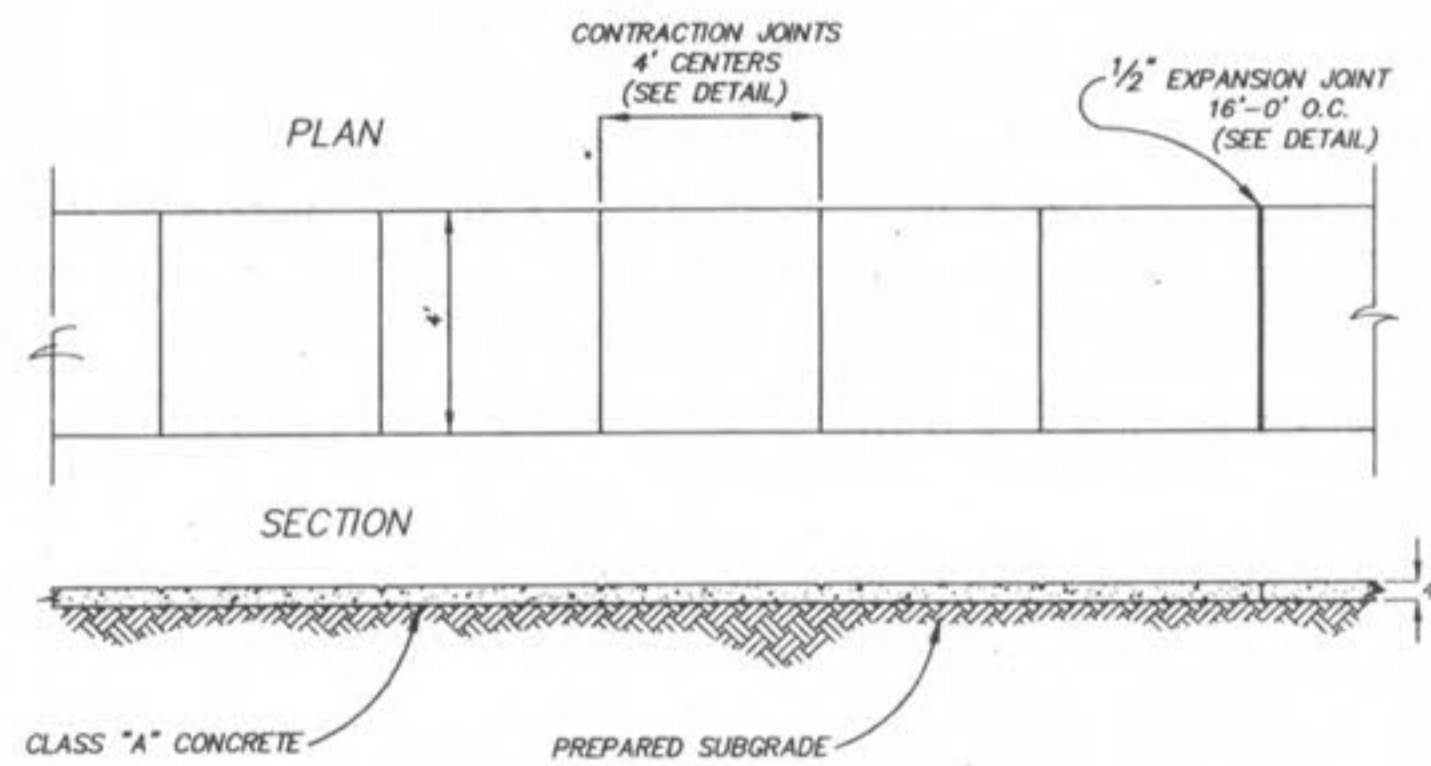
PAINTED DIRECTIONAL ARROW
N.T.S.



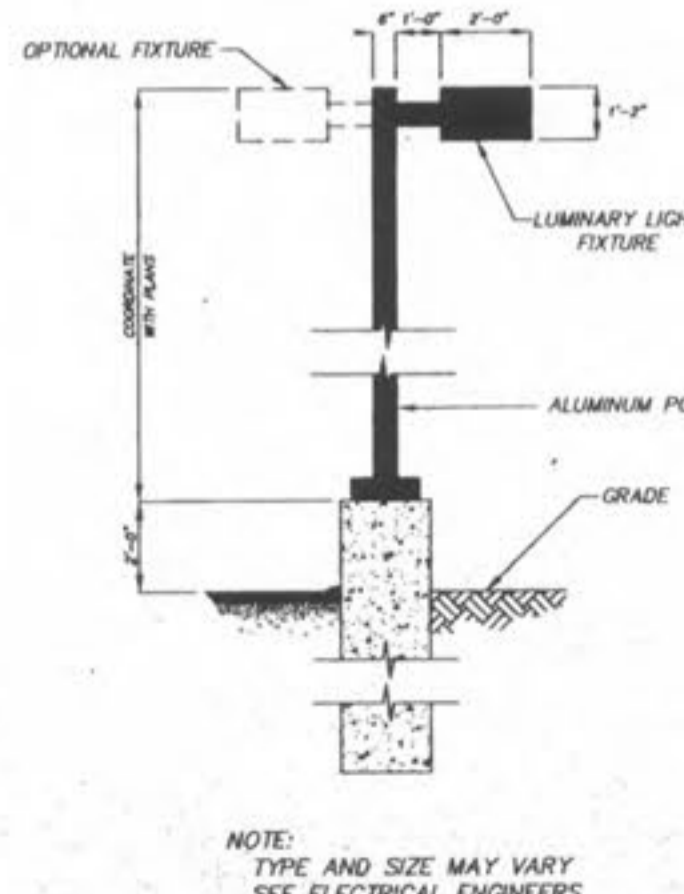
CROSS STRIPING DETAIL
N.T.S.



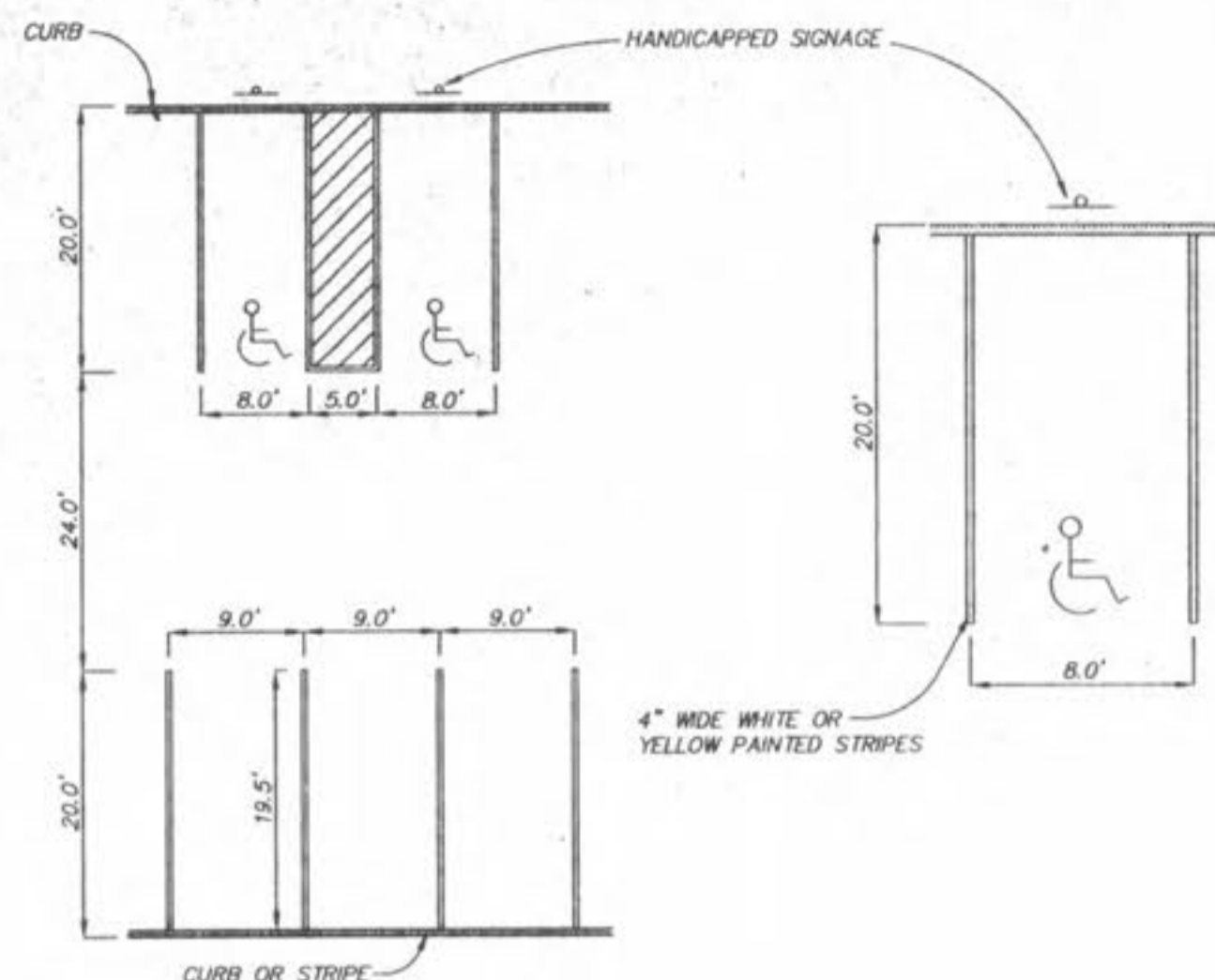
HANDICAPPED SIGN DETAIL



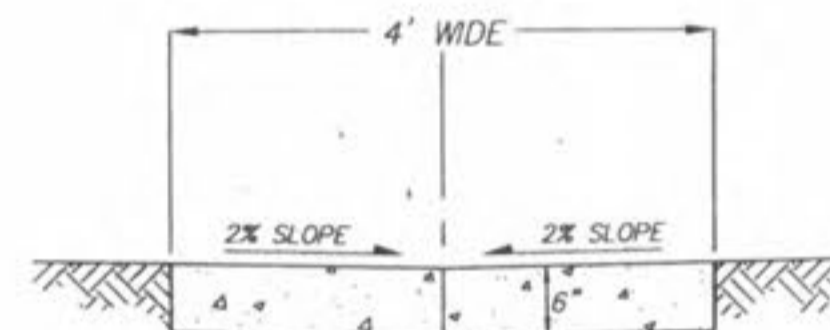
CONCRETE SIDEWALK DETAIL
N.T.S.



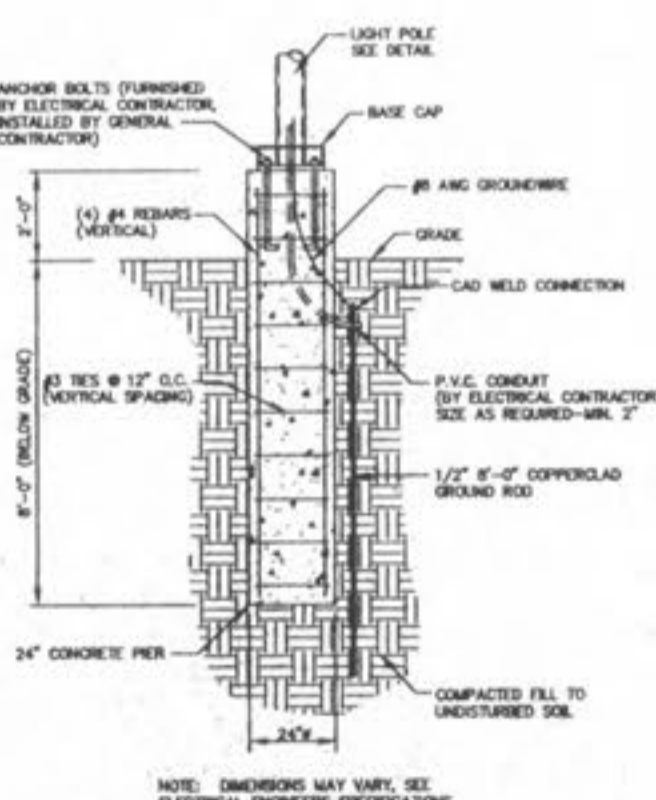
LIGHT POLE DETAIL
N.T.S.



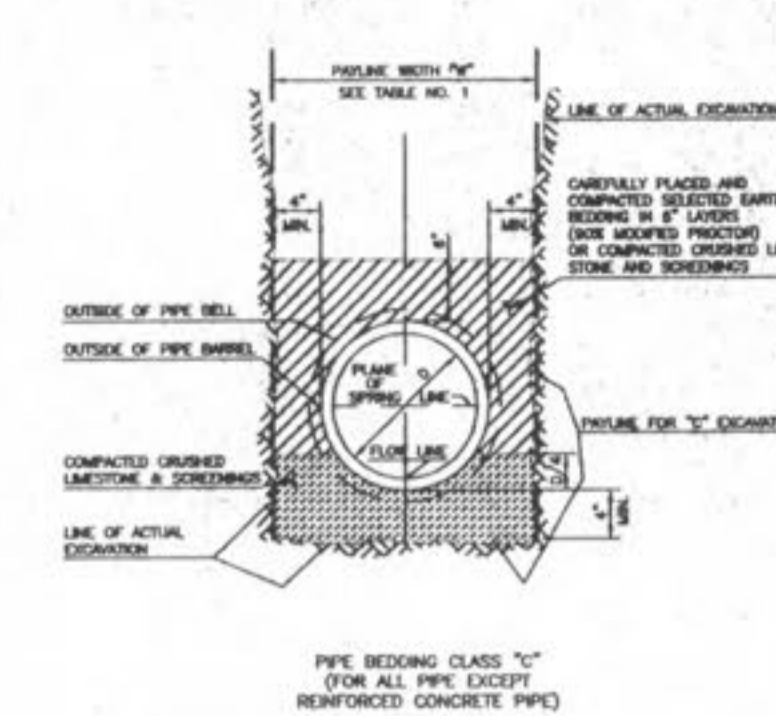
TYPICAL PARKING DIMENSIONS



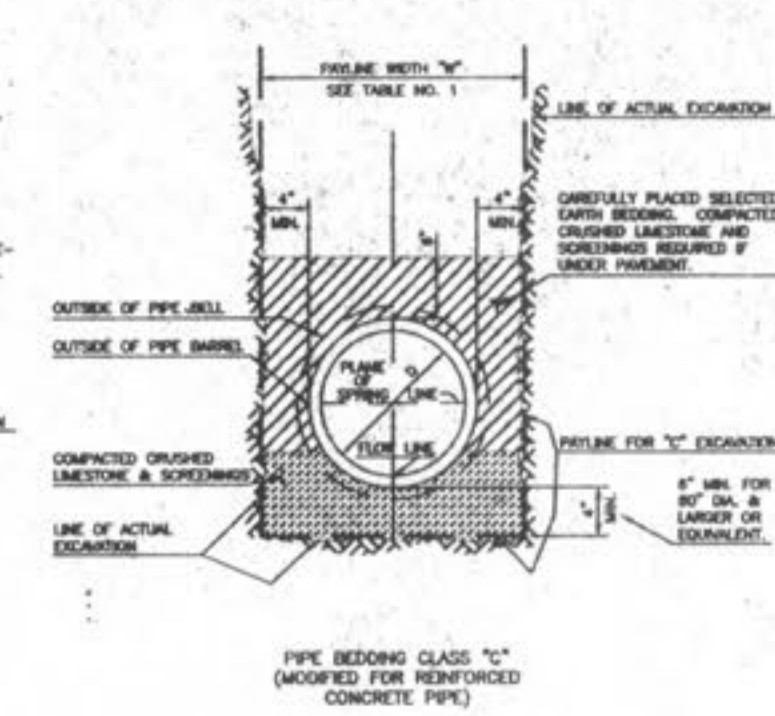
CONC. PAVED SWALE
N.T.S.



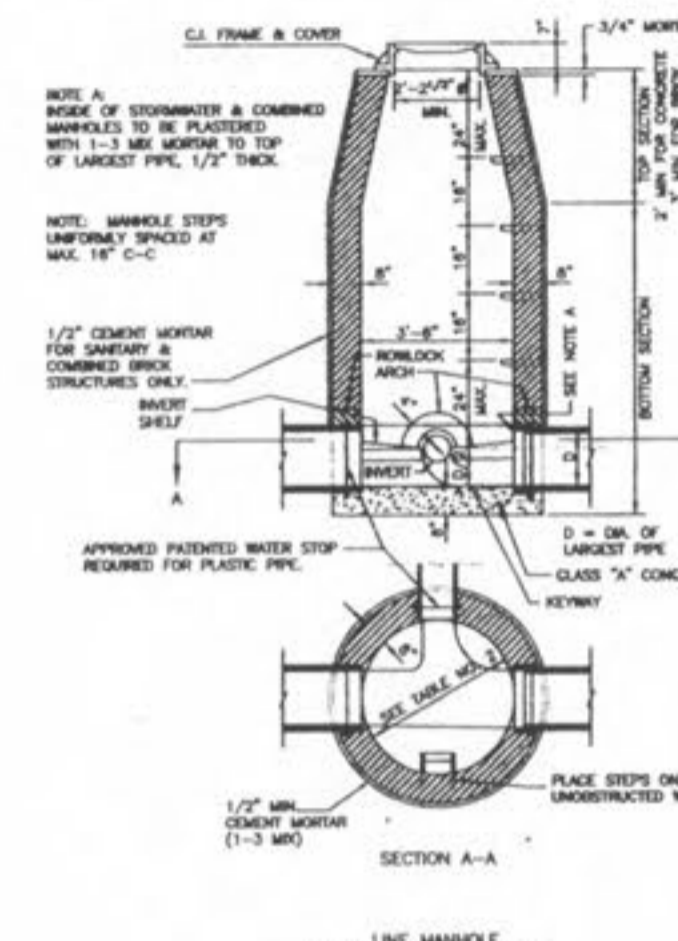
LIGHT POLE BASE DETAIL
N.T.S.



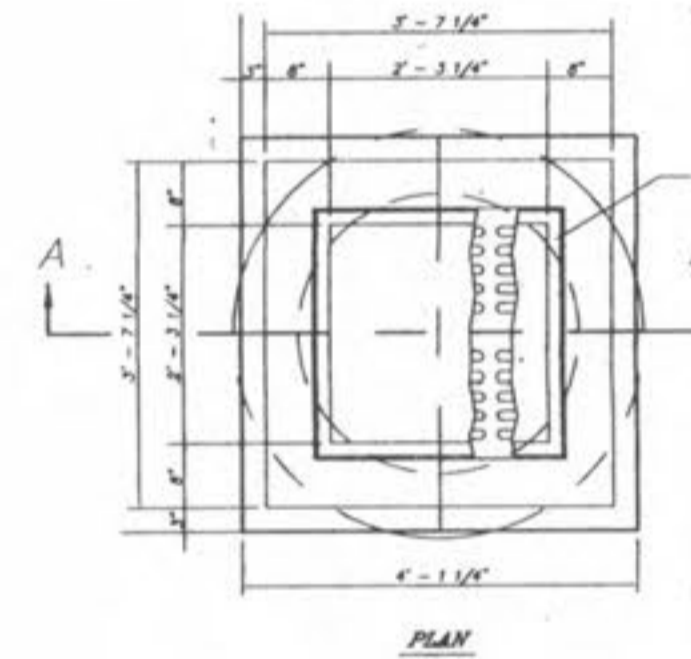
PIPE BEDDING CLASS "C"
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)



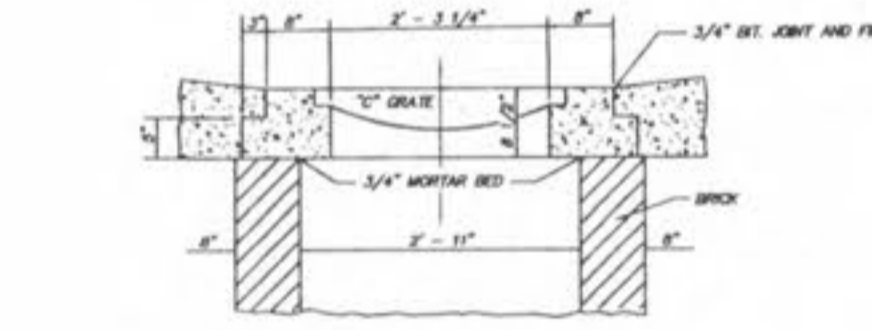
PIPE BEDDING CLASS "C"
(WORKED FOR REINFORCED CONCRETE PIPE)



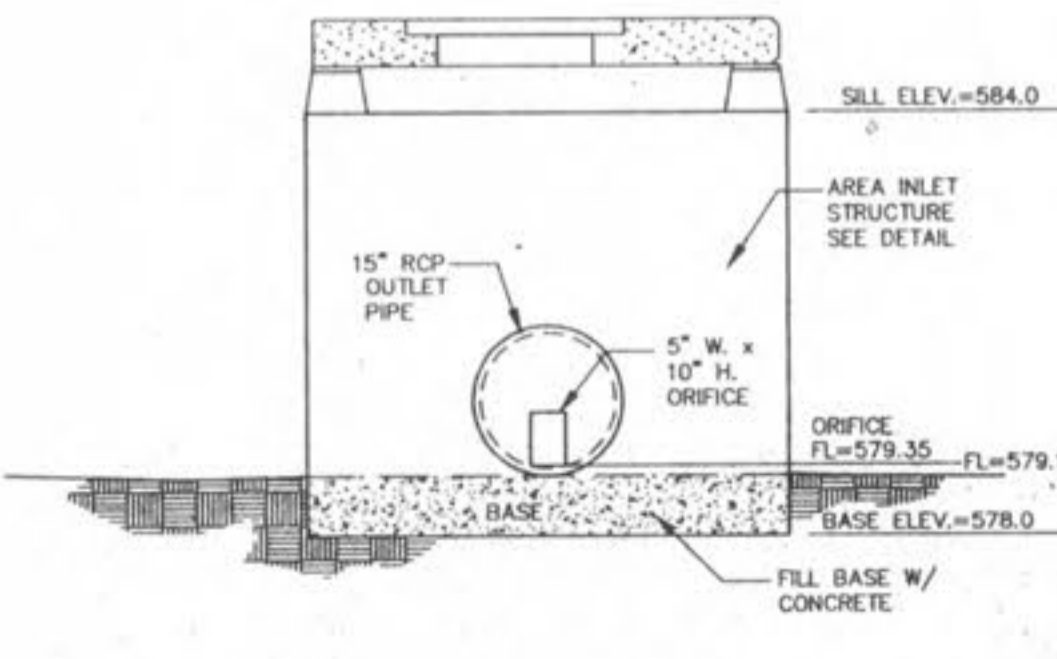
SECTION A-A
PIPE SIZES 8" - 24"



2 CRATE INLET



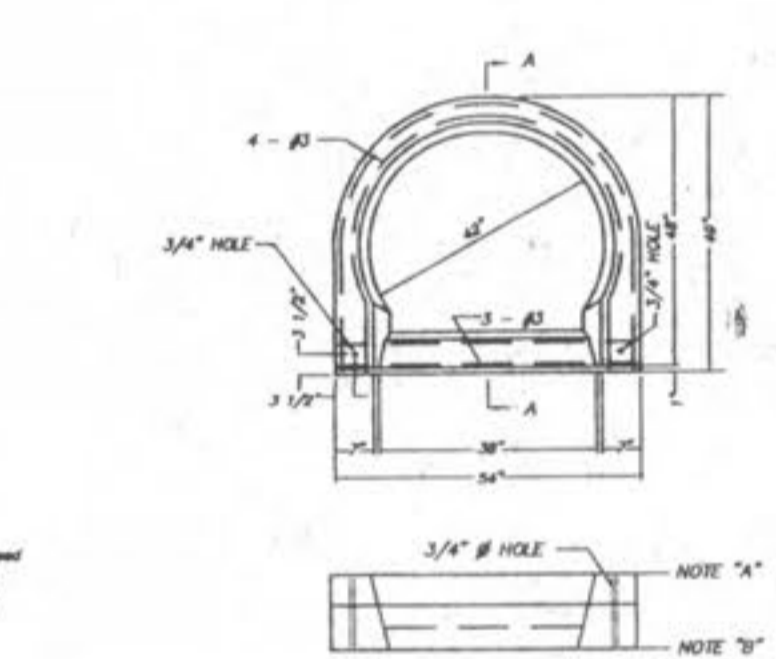
SECTION A-A



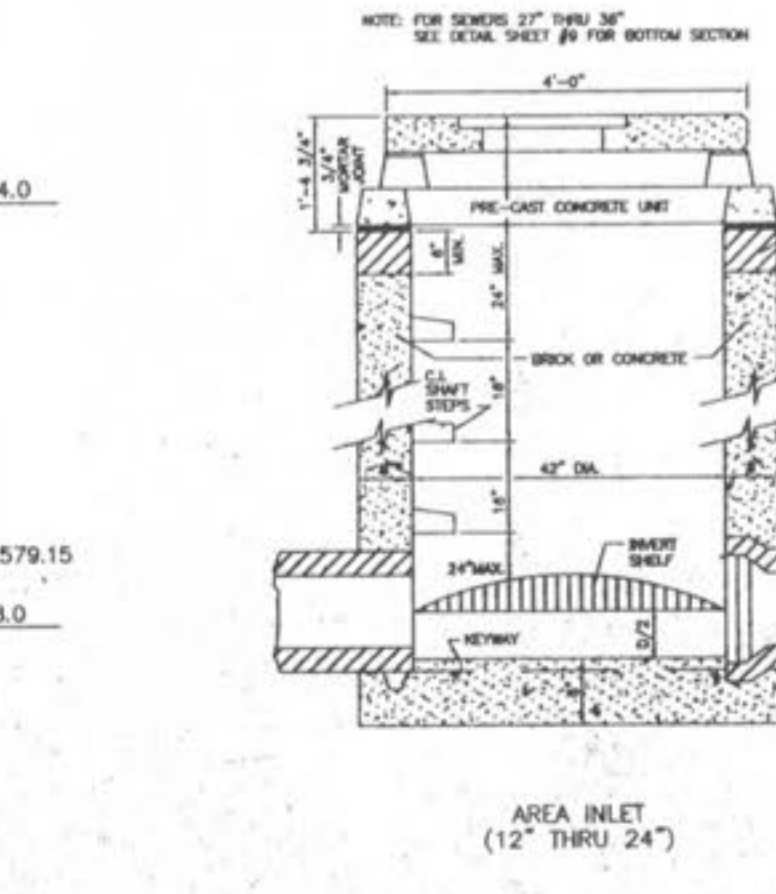
OUTFALL STRUCTURE DETAIL
N.T.S.

ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
Inside Diameter of Pipe (Inches)	Payline Width of Trench (Feet)	Pay Volume of Concrete (Cubic Feet)	Pay Volume of Concrete (Cubic Feet)	Inside Diameter of Pipe (Inches)	Payline Width of Trench (Feet)	Pay Volume of Concrete (Cubic Feet)	Pay Volume of Concrete (Cubic Feet)
4	28	3.33	3.20				
6	28	3.33	3.48				
8	28	3.33	3.70				
10	28	3.33	3.88				
12	28	3.33	3.98				
15	32	2.81	4.38				
18	32	2.81	5.83	14 X 23	41	3.42	5.94
21	36	3.25	6.81				
24	42	3.50	7.39	18 X 30	48	4.08	7.88
27	48	3.75	8.18	22 X 34	53	4.42	8.81
30	48	4.08	8.30	24 X 38	58	4.83	9.70
33	53	4.42	10.83	27 X 42	62	5.17	10.71
36	58	4.87	11.43	30 X 45	66	5.50	11.72
39	64	5.21	11.94	33 X 48	71	5.92	12.74
42	63	5.25	13.38	34 X 53	75	6.25	14.05
48	70	5.83	15.87	38 X 60	83	6.92	16.18
54	77	6.42	18.15	43 X 68	92	7.87	18.81
60	84	7.00	20.73	48 X 76	101	8.42	21.59
66	91	7.58	23.45	53 X 83	109	9.08	24.35
72	98	8.17	26.37	58 X 91	118	9.83	27.45
78	105	8.75	29.39	63 X 99	126	10.56	30.50
84	112	9.33	32.57	68 X 106	135	11.25	33.81
90	119	9.92	35.90	72 X 113	143	11.82	36.99
96	126	10.50	39.37	77 X 121	152	12.67	40.89
102	133	11.08	42.99	82 X 129	160	13.53	44.45
108	140	11.67	46.75	87 X 136	168	14.00	47.79
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	58.92				
132	168	14.00	63.27	106 X 168	202	16.83	64.48
144	182	15.17	72.40	116 X 182	218	18.17	73.59

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



PRE-CAST CONCRETE UNIT FOR SINGLE CURB INLET



AREA INLET (12" THRU 24")