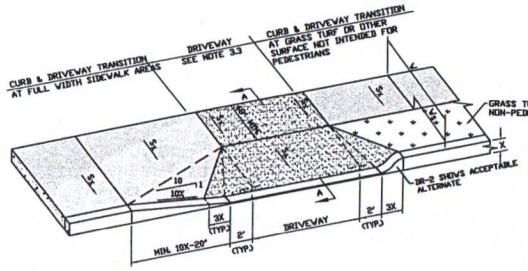
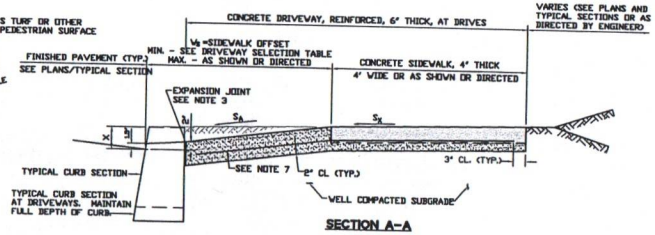


PERSPECTIVE PLAN



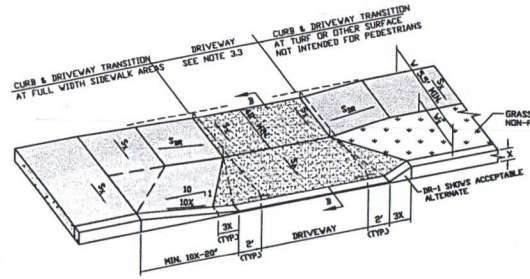
SECTION A-A

CONCRETE SIDEWALK, 4" THICK

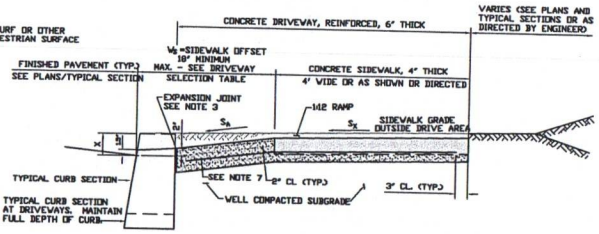
CONCRETE DRIVEWAY, REINFORCED, 6" THICK

DETAIL DR-1
CONCRETE DRIVEWAY TYPE 1 - LARGE SIDEWALK OFFSET

NOT TO SCALE



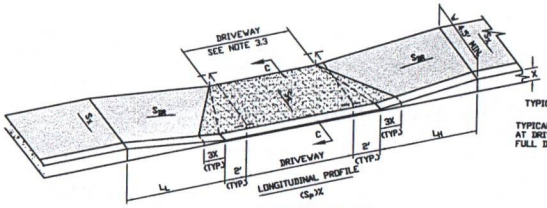
PERSPECTIVE PLAN



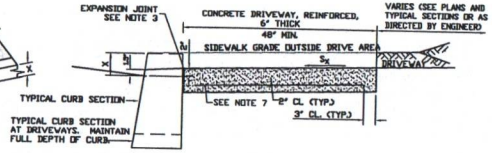
SECTION B-B

DETAIL DR-2
CONCRETE DRIVEWAY TYPE 2 - INTERMEDIATE SIDEWALK OFFSET

NOT TO SCALE



PERSPECTIVE PLAN



SECTION C-C

DETAIL DR-3
CONCRETE DRIVEWAY TYPE 3 - MINIMUM SIDEWALK OFFSET

NOT TO SCALE

GENERAL NOTES:

1. CONCRETE FOR CURBS, DRIVEWAYS AND SIDEWALKS SHALL BE NJDOT CLASS B. DRIVEWAY CONCRETE SHALL ATTAIN A STRENGTH OF NOT LESS THAN 3000 PSI WITHIN 3 DAYS OF PLACEMENT.
2. CURB, DRIVEWAYS AND SIDEWALKS SHALL BE CAST IN SEPARATE OPERATIONS UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
3. EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER CONFORMING TO AASHTO M33, PREFORMED EXPANSION JOINT FILLER FOR CONCRETE (BITUMINOUS TYPE), SHALL BE PROVIDED AS FOLLOWS:
   - 3.1 1/2" THICK AT LONGITUDINAL INTERVALS OF APPROXIMATELY TWENTY FEET (20');
   - 3.2 1/4" THICK BETWEEN CURB AND SIDEWALK OR DRIVEWAYS, AROUND ALL STRUCTURES OR APPURTENANCES, SUCH AS MANHOLES, JUNCTION BOXES AND UTILITY POLES, AND ADJACENT TO ANY FIXED STRUCTURE;
   - 3.3 AT LONGITUDINAL CENTERLINE OF ANY DRIVE WHICH EXCEEDS TWELVE FEET (12') IN WIDTH OR AS DIRECTED BY ENGINEER.
4. EXPANSION JOINT MATERIAL SHALL BE TRIMMED AS TO BE SLIGHTLY BELOW THE SURFACE OF THE CONCRETE.
5. TOOLED JOINTS SHALL BE PROVIDED WITH A GROOVING TOOL SO AS TO DIVIDE THE CONCRETE SURFACE INTO BLOCKS AS CLOSELY APPROACHING A SQUARE AS PRACTICABLE. GROOVES SHALL BE CUT TO A DEPTH OF AT LEAST 1/2 INCH AND SHALL BE FINISHED WITH AN EDGING TOOL HAVING A RADIUS OF 1/4 INCH.
6. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, EXPANSION AND TOOLED JOINTS IN CONCRETE SURFACES SHALL BE ALIGNED WITH JOINTS IN CURBS.
7. WELDED WIRE FABRIC IN DRIVEWAYS SHALL BE 6X6-6X6 (OLD DESIGNATION), 6X6-W2.9XW2.9 (NEW DESIGNATION) IN ACCORDANCE WITH ASTM A-185.

DRIVEWAY DESIGN SLOPE AND TOLERANCES TABLE

SYMBOL	DESCRIPTION	SLOPES (NOTE 1) DESIGN (NOMINAL)	MINIMUM	MAXIMUM
S_X	CROSS SLOPE OF PUBLIC SIDEWALK	1:60 1.67% 3/4" PER 4' 3/16" PER 1'	1:72 1.4% 5/8" PER 4' (3/16" PER 1'	1:50 2%
S_{DR}	LONGITUDINAL (RUNNING) SLOPE OF DRIVEWAY TRANSITION RAMP	NORMAL RANGE MINIMUM 1:36 2.8% 1 1/4" PER 4' 5/16" PER 1' NORMAL RANGE MAXIMUM 1:14 7.1% 3/4" PER 4' APPROX 7/8" PER 1' (NOTE 2)	1:50 2%	1:12 8.3% (NOTE 2)
S_A	LONGITUDINAL (RUNNING) SLOPE OF DRIVEWAY APRON	1:10 10% 1 1/4" PER 1'	1:50 2%	1:8 12.5% 1 1/2" PER 1'

NOTES:

1. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, CONSTRUCTION WHICH DOES NOT CONFORM TO THE TOLERANCES SPECIFIED (ie. WHICH EXCEEDS THE MAXIMUM OR IS LESS THAN THE MINIMUM) WILL BE REMOVED AND REPLACED WITHOUT COST TO THE OWNER.
2. IF S_{DR} EXCEEDS 1:20 (5%), THE MAXIMUM VERTICAL RISE PERMITTED IS 6". WHEN THIS CANNOT BE ACHIEVED IN THE ALTERATION OF EXISTING FACILITIES, CONSULT THE ENGINEER.

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CONSTRUCTION DETAILS

CONCRETE DRIVEWAYS AND APRONS

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