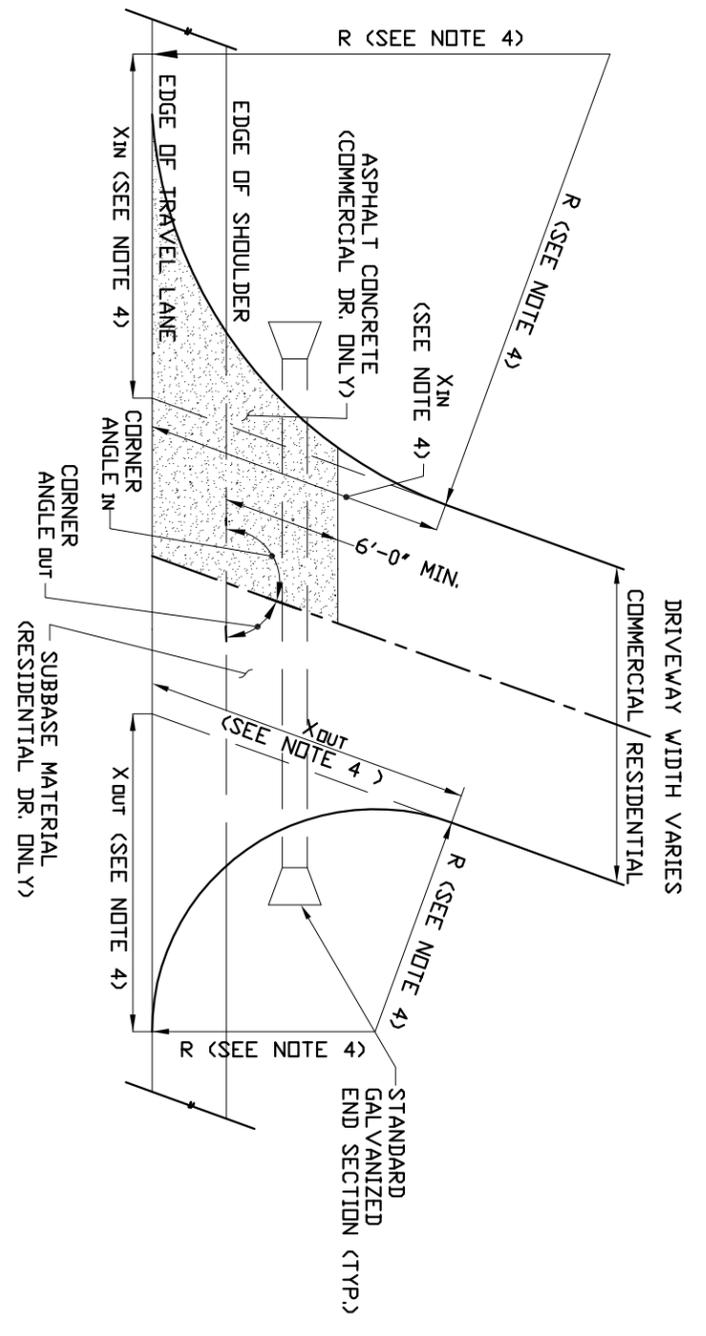
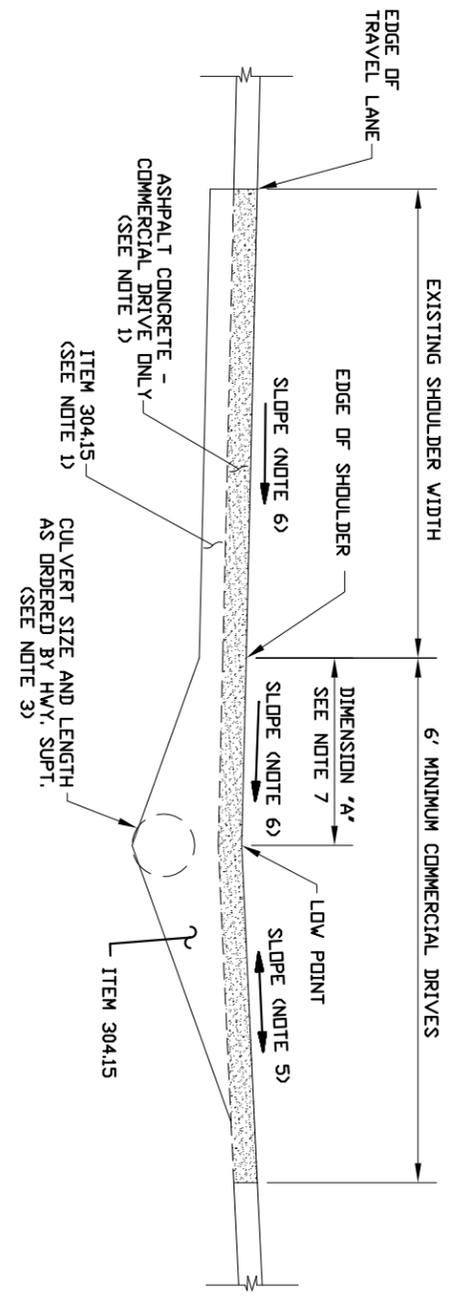


TYPICAL DRIVEWAY SECTION
NTS



TYPICAL DRIVEWAY PLAN
NTS

- NOTES:
1. COMMERCIAL DRIVES SHALL BE PAVED WITH 4 INCHES COMPACTED DEPTH OF NYSDOT ITEM 403.13 TYPE 3 BINDER AND 2 INCHES COMPACTED DEPTH OF ITEM 403.17 TYPE 7 TOP ON A MINIMUM COMPACTED THICKNESS OF 6 INCHES OF ITEM 304.15 SUBBASE. RESIDENTIAL DRIVES SHALL BE CONSTRUCTED USING COMPACTED ITEM 304.15.
 2. CULVERT LENGTH, SIZE AND MATERIAL TYPE WILL VARY TO PROVIDE NEGOTIABLE DRIVEWAY.
 3. PREFERRED MATERIAL TYPES SHALL BE: SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE MEETING THE REQUIREMENTS OF NYSDOT ITEM 706-12 FOR CULVERTS AND STEEL GALVANIZED END SECTIONS MEETING THE REQUIREMENTS OF NYSDOT ITEM 707-10 FOR END SECTIONS.
 4. SEE TABLE FOR VALUES OF X_{IN} , X_{OUT} , AND R .



TYPICAL DRIVEWAY PROFILE
NTS

CORNER ANGLE	X, FT		
	RESIDENTIAL DRIVEWAY $\leq 13'$ WIDE (R=16')	RESIDENTIAL DRIVEWAY $> 13'$ WIDE (R=13')	MINOR COMMERCIAL DRIVEWAY (R=33')
60°	28.5	23.0	56.8
65°	25.9	20.7	51.5
70°	23.6	18.7	46.9
75°	21.3	17.1	43.0
80°	19.7	15.7	39.4
85°	18.0	14.4	35.8
90°	16.4	13.1	32.8
95°	15.1	12.1	30.2
100°	13.8	11.2	27.6
105°	12.8	10.2	25.3
110°	11.5	9.2	23.0
115°	10.5	8.5	21.0
120°	9.5	7.5	19.0

- NOTES:
- DIMENSIONS AND ANGLES MAY BE INTERPOLATED FOR VALUES OTHER THAN THOSE SHOWN IN THE TABLE.
 - X REFERS TO EITHER X_{IN} OR X_{OUT}
 - ANGLE FOR X_{IN} + X_{OUT} MUST EQUAL 180°.
 - REFERENCE: NYSDOT POLICY & STANDARDS FOR THE DESIGN OF ENTRANCES TO STATE HIGHWAYS, NOV. 24, 2003

CULVERT AND END SECTIONS MATERIAL REQUIREMENTS

706-12 SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
SCOPE: THIS SPECIFICATION COVERS THE MATERIAL AND QUALITY REQUIREMENTS FOR SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (STOPP) AND FITTINGS.
MATERIAL REQUIREMENTS: THE POLYETHYLENE MATERIAL FOR THE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M294, TYPE S OR TYPE SP. IN ADDITION, WHEN CHECKED WITH A 12 INCHES STRAIGHT EDGE THE SMOOTHNESS OF THE INTERIOR LINER SHALL NOT DEVIATE MORE THAN 1/4 INCH.
BASIS OF ACCEPTANCE: SMOOTH INTERIOR, CORRUGATED POLYETHYLENE PIPE WILL BE ACCEPTED ON THE BASIS OF THE MANUFACTURER'S NAME AND LOCATION APPEARING ON THE NYSDOT APPROVED LIST AND A MATERIAL CERTIFICATION THAT SPECIFIES THE PRODUCT CONFORMS TO THIS SPECIFICATION.
707-10 GALVANIZED STEEL END SECTIONS:
NOTE: FOR USES WITH STOPP, THE SIZE OF THE END SECTION USED SHALL BE THE NEXT SIZE UP FROM THE NOMINAL SIZE OF THE STOPP (EXAMPLE: FOR 15-INCH DIAMETER STOPP, USE 18-INCH END SECTION SIZE)
SCOPE: THIS SPECIFICATION COVERS GALVANIZED STEEL END SECTIONS TO BE ATTACHED TO THE INLET AND OUTLET ENDS OF CORRUGATED PIPE.
MATERIAL REQUIREMENTS: GALVANIZED STEEL END SECTIONS SHALL BE MANUFACTURED FROM MATERIAL MEETING THE REQUIREMENTS OF AASHTO M218. THE UNITS SHALL CONFORM TO THE SHAPE, DIMENSIONS AND THICKNESS SHOWN ON THE APPLICABLE STANDARD SHEET AND/OR CONTRACT PLANS.
BASIS OF ACCEPTANCE: END SECTIONS WILL BE ACCEPTED ON THE BASIS OF CERTIFIED DOCUMENTATION ISSUED BY A FABRICATION SHOP APPEARING ON THE NYSDOT APPROVED LIST.

5. DRIVEWAYS SHALL HAVE A MAXIMUM PROFILE SLOPE OF 10% FOR COMMERCIAL DRIVES AND 12% FOR RESIDENTIAL DRIVES, UNLESS OTHERWISE INDICATED ON THE PERMIT.
6. SLOPE TO BE EXISTING SHOULDER SLOPE, 6% MAXIMUM, OR AS INDICATED ON THE PERMIT.
7. DIMENSION 'A' VARIES ACCORDING TO LOCAL SITE CONDITIONS, AND WILL BE SET BY THE HIGHWAY SUPERINTENDENT, OR AUTHORIZED REPRESENTATIVE.
8. IF EXISTING SHOULDER IS ASPHALT CONCRETE, PLACE NEW ASPHALT CONCRETE & ITEM 304.15 SUBBASE PER NOTE 1 TO EXISTING EDGE OF SHOULDER. IF EXISTING SHOULDER IS GRAVEL, PLACE NEW ASPHALT CONCRETE & ITEM 304.15 SUBBASE EXISTING EDGE OF TRAVEL LANE PAVEMENT.

CORTLAND COUNTY HIGHWAY DEPARTMENT

DRIVEWAY
DETAILS