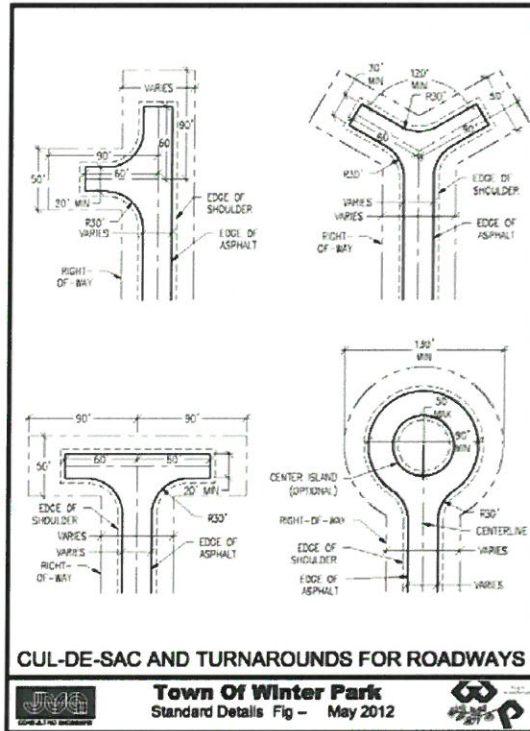
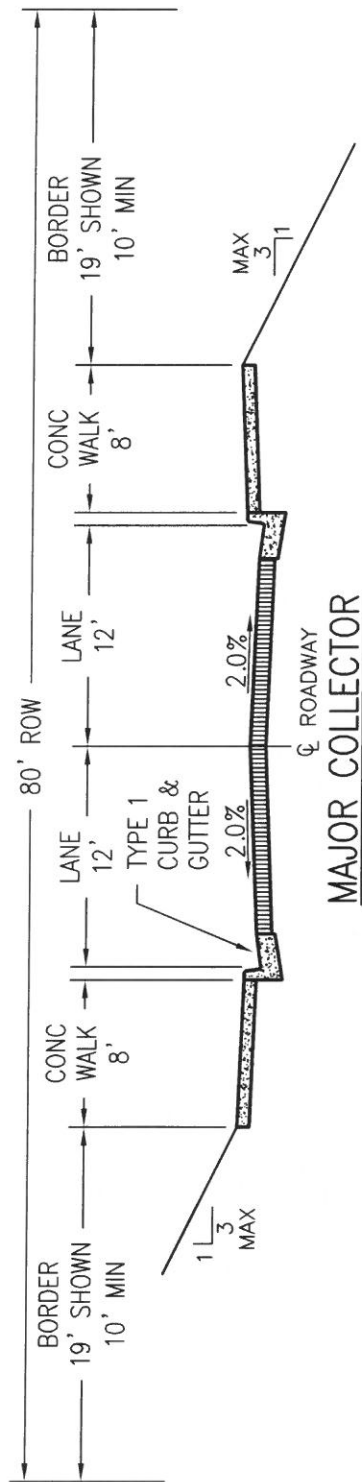


Figures

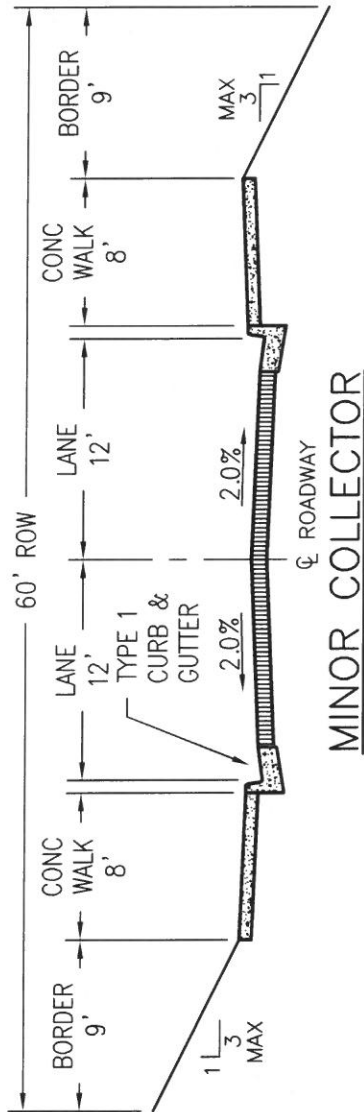




Road Templates - Major Collector

Town Of Winter Park
 Standard Details Fig 1 May 2012

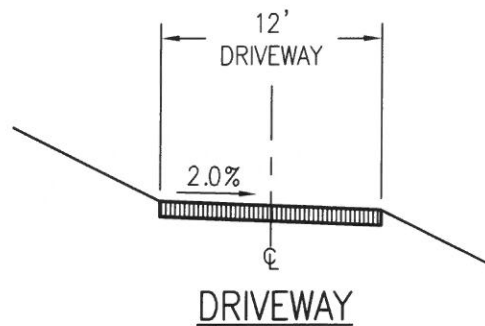
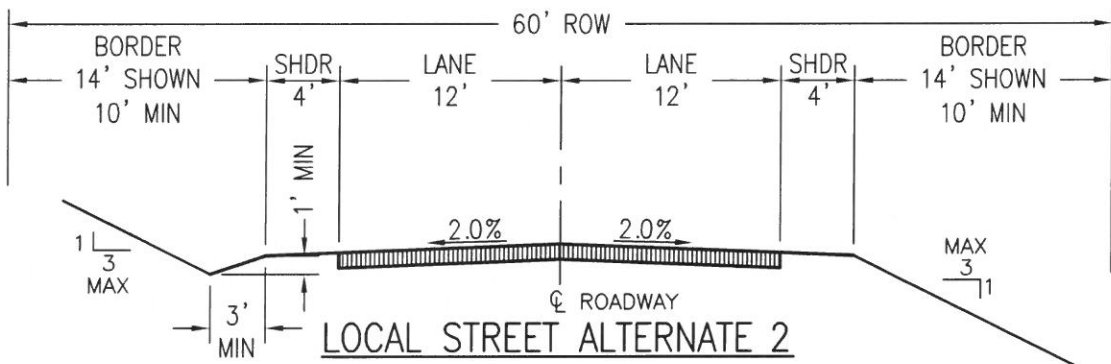
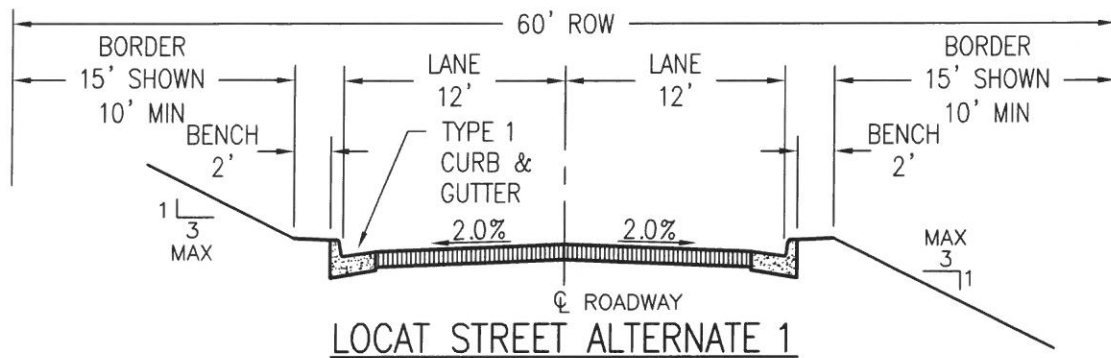




Road Templates - Minor Collector

Town Of Winter Park
 Standard Details Fig 2 May 2012

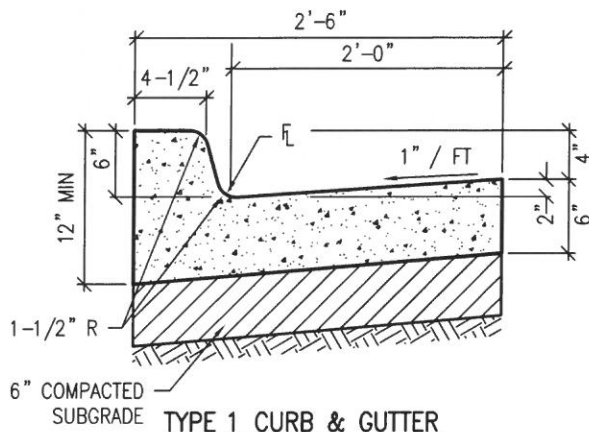




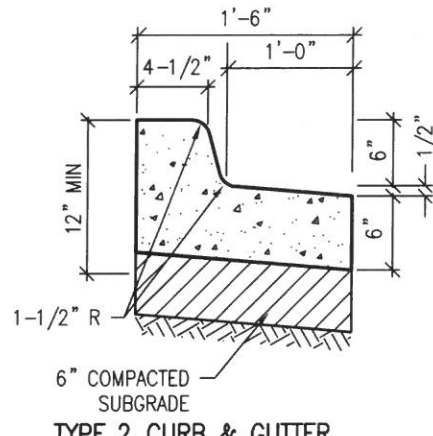
Road Templates - Local Street and Driveway

Town Of Winter Park
 Standard Details Fig 3 May 2012



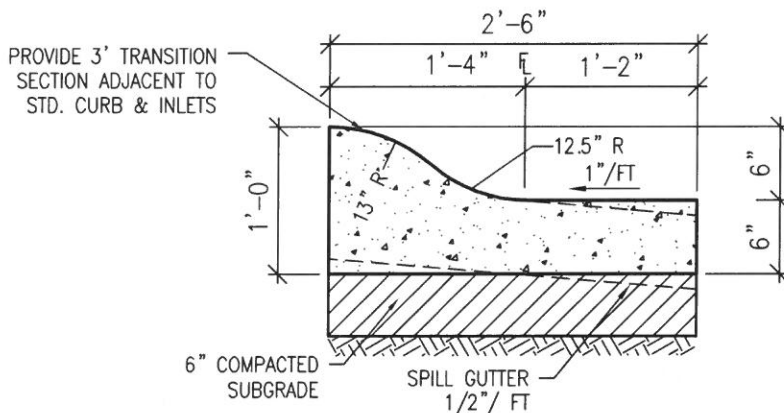


TYPE 1 CURB & GUTTER
(CATCH GUTTER)

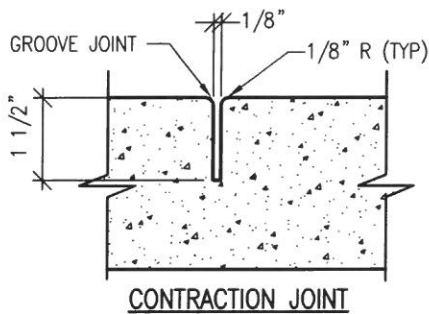


TYPE 2 CURB & GUTTER
(SPILL GUTTER)

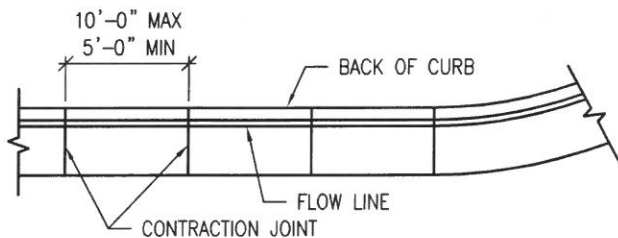
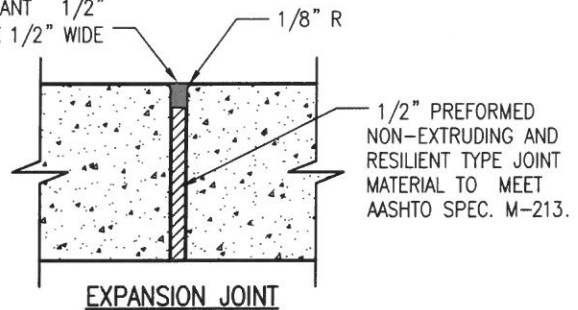
PREFERRED CURB & GUTTER (TYPE 1 & 2)



NON PREFERRED CURB & GUTTER (TYPE 3 & 4)
(ALLOWED ONLY IF APPROVED BY TOWN ENGINEER)



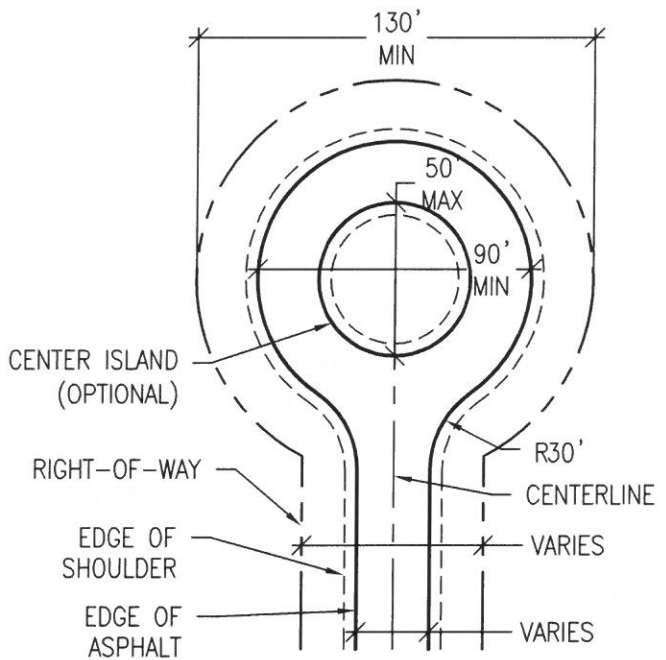
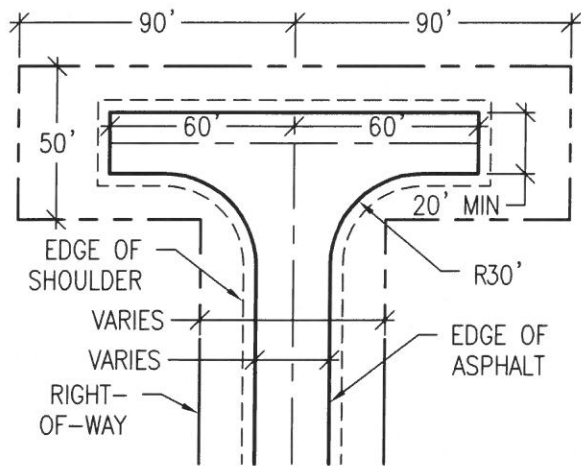
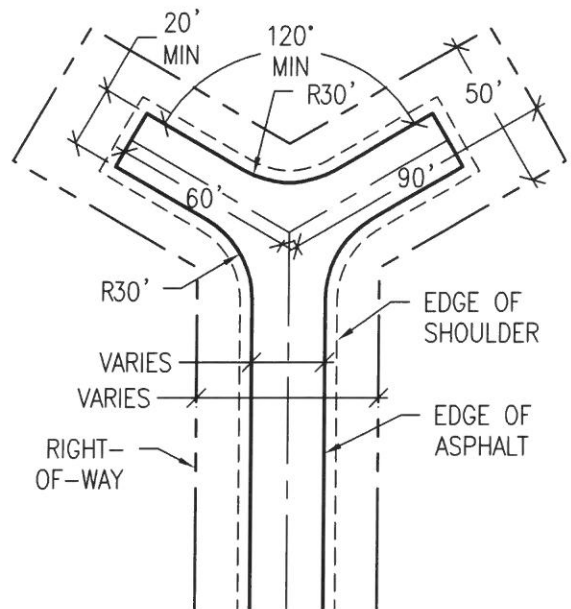
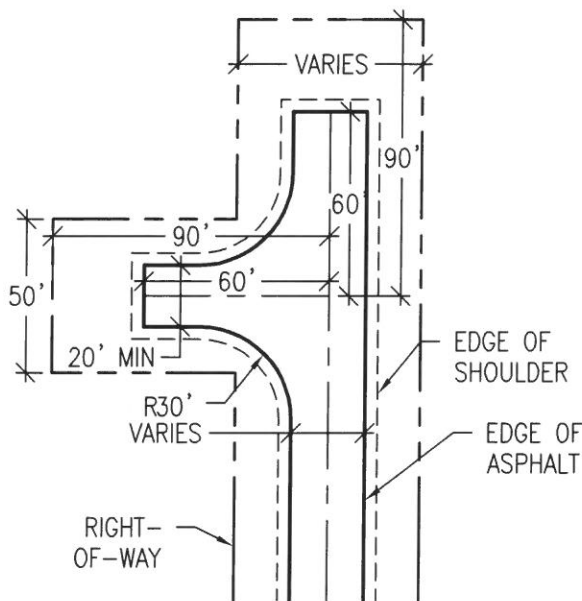
SEAL EXPANSION JOINT
W/ POLYURETHANE
JOINT SEALANT 1/2"
DEEP X 1/2" WIDE



Curb and Gutter Details

Town Of Winter Park
Standard Details Fig 4 May 2012

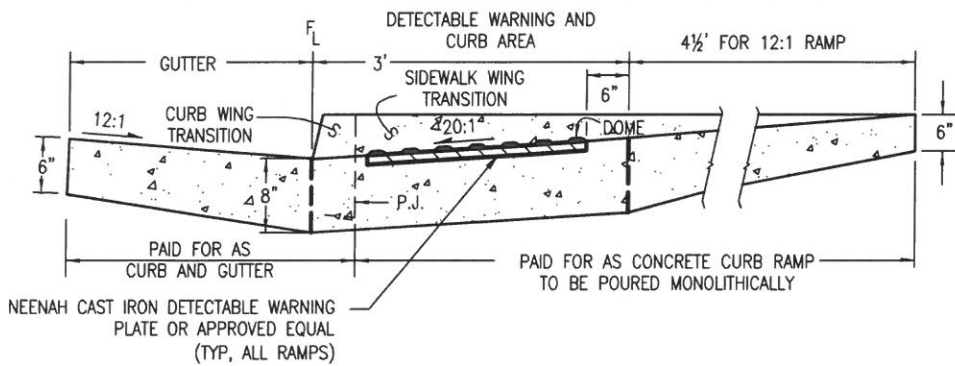




CUL-DE-SAC AND TURNAROUNDS FOR ROADWAYS

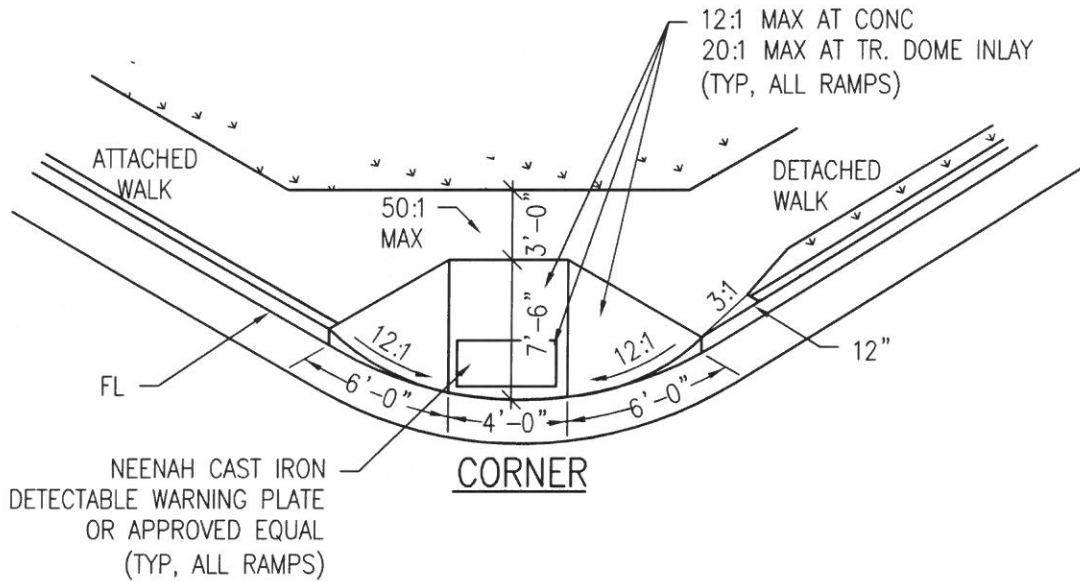
Town Of Winter Park
 Standard Details Fig 5 May 2012





SIDE SECTION VIEW OF DETECTABLE WARNING, WELL, CURB, AND GUTTER

P.J. = PERMISSIBLE JOINT WITH EPOXY-COATED DEFORMED NO. 4 BY 18 IN. BARS CONFORMING TO AASHTO M 284 AT 18 IN. SPACING.



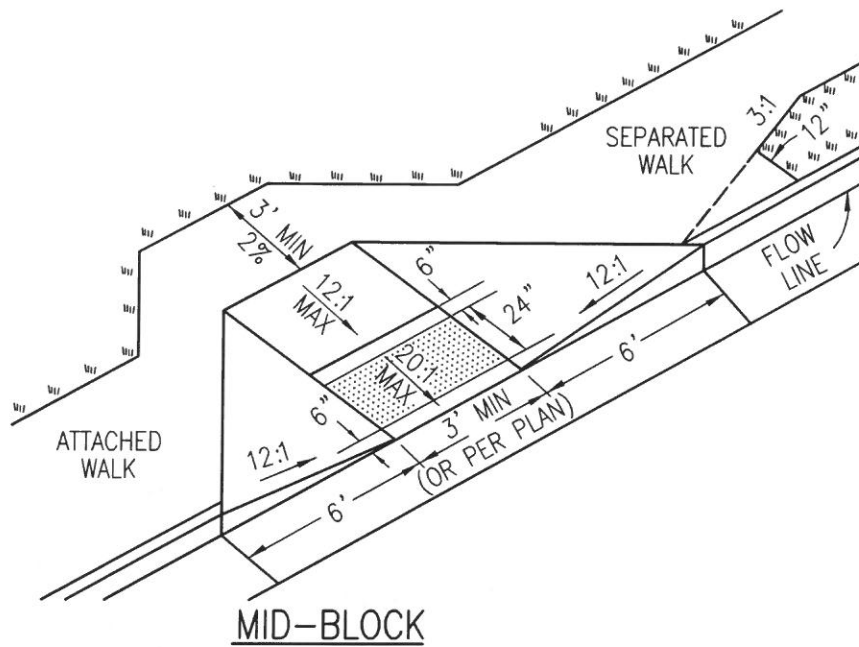
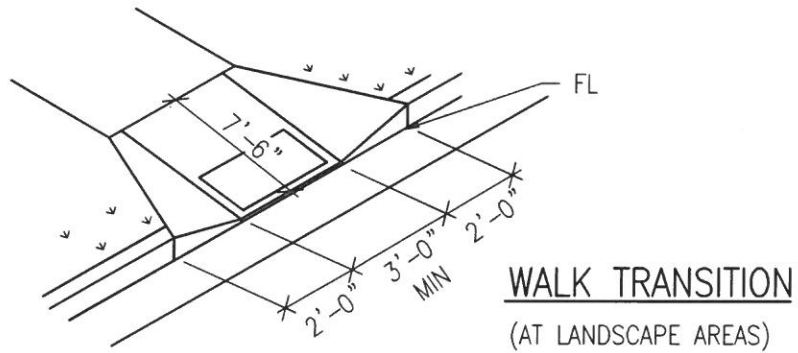
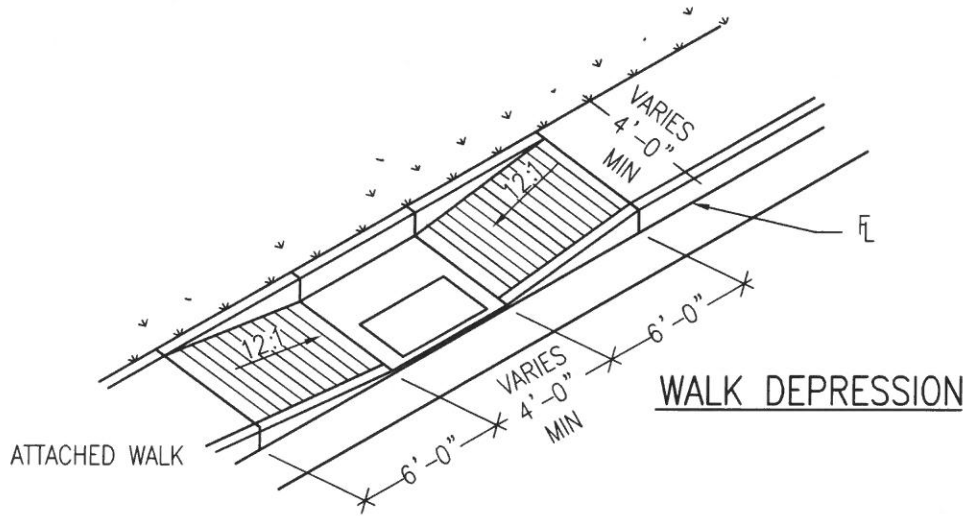
NOTES:

1. THERE SHALL BE NO LIP WHERE THE RAMP MEETS THE GUTTER
2. CURB RAMPS SHALL BE PROVIDED AT ALL CORNERS OF STREET INTERSECTIONS AND AT "T" INTERSECTIONS WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB.
3. RAMP LOCATION SHALL BE SPECIFIED ON THE CONSTRUCTION PLANS.
4. NEENAH CAST IRON DETECTABLE WARNING PLATE OR APPROVED EQUAL.
5. CONCRETE RAMP AND WING SURFACES SHALL BE TEXTURED WITH A COARSE BROOMED SURFACE ONLY.
6. SEE CDOT DRAWING M-608-1 FOR FULL NOTES, DETAILS AND DIMENSIONS AND SHALL MEET CURRENT ADA STANDARDS.

Curb Ramps 1 OF 2

Town Of Winter Park
Standard Details Fig 6 May 2012

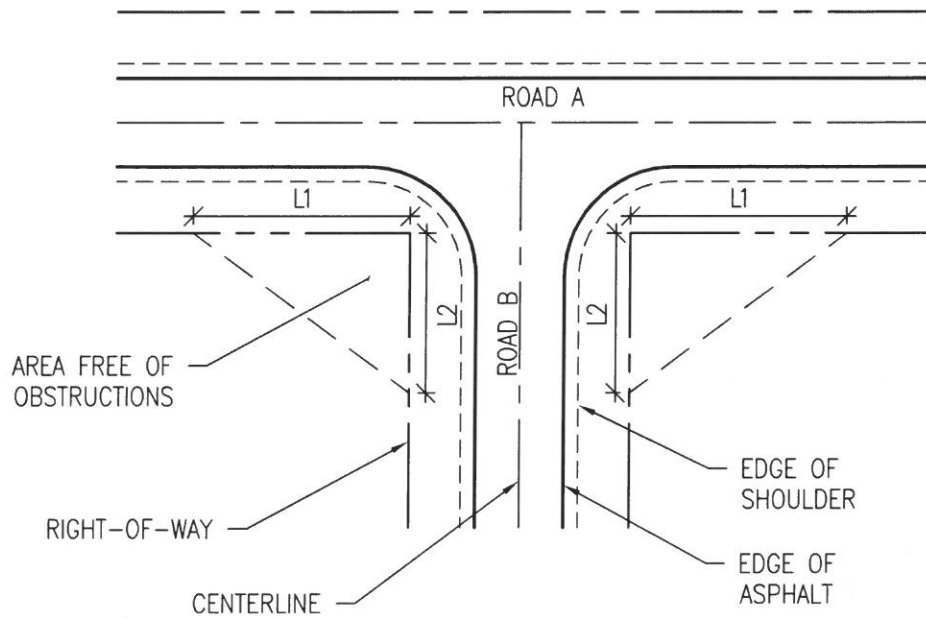




Curb Ramps 2 OF 2

Town Of Winter Park
Standard Details Fig 7 May 2012





ROAD A	ROAD B			
	ARTERIAL	COLLECTOR	LOCAL/LOW VOL	DRIVEWAY*
HIGHWAY	SPECIAL DESIGN SEE STATE HIGHWAY ACCESS CODE FOR DESIGN			
COLLECTOR		L1 = 50' : L2 = 50'	L1 = 50' : L2 = 30'	L1 = 50' : L2 = 10'
LOCAL/LOW VOL.			L1 = 30' : L2 = 30'	L1 = 30' : L2 = 10'

*DRIVEWAYS ARE MEASURED FROM EDGE OF DRIVING SURFACE

INTERSECTION SIGHT TRIANGLES/CORNER SD

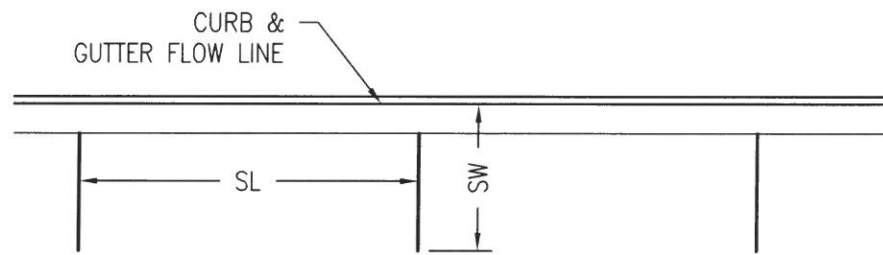
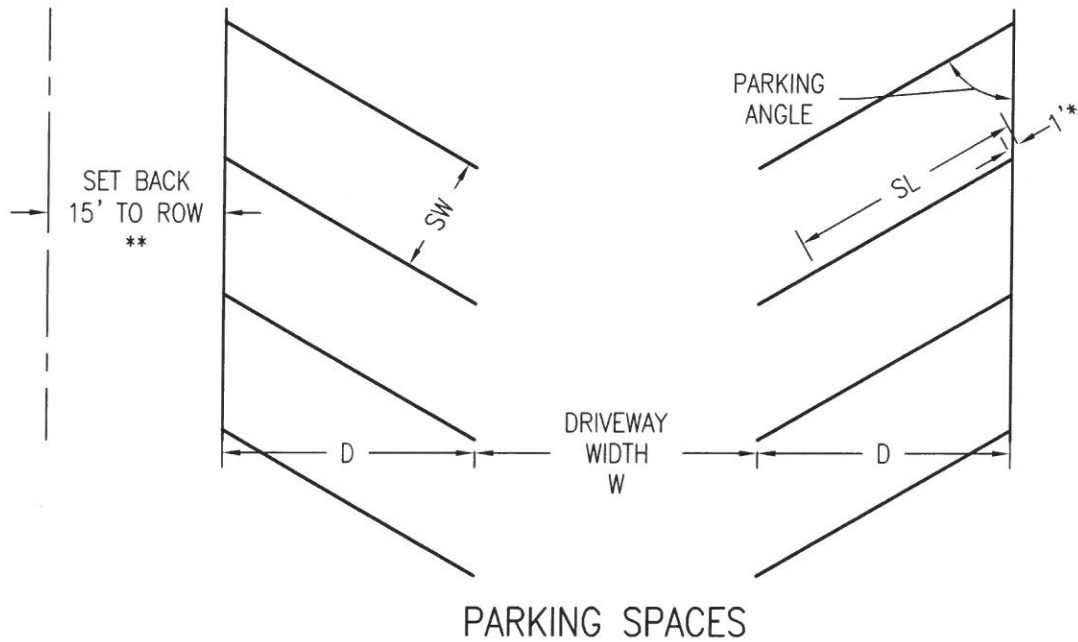
Town Of Winter Park
Standard Details Fig 8 May 2012



ANGLE OF PARKING	COMPACT PARKING 8.5'x17'			SUB-SURFACE PARKING 9'x18'			SURFACE PARKING 10'x20'			MINIMUM DRIVE WIDTH (W)	
	SW	SL	D	SW	SL	D	SW	SL	D	1-WAY	2-WAY
0 Deg. (Parallel)	8.5'	20'	8'6"	9'	21'	9'	10'	23'	10'	12'	24'
30 Degrees	8.5'	17'	15'4"	9'	18'	16'3"	10'	20'	18'3"	12'	24'
45 Degrees	8.5'	17'	17'4"	9'	18'	18'4"	10'	20'	20'6"	13'	24'
60 Degrees	8.5'	17'	18'2"	9'	18'	19'4"	10'	20'	21'6"	18'	24'
90 Deg. (Perp.)	8.5'	17'	17'	9'	18'	18'	10'	20'	20'	24'	24'

* = 1' OVERHANG USED IN STALL DEPTH CALCULATION FOR 30° - 60° ANGLE OF PARKING

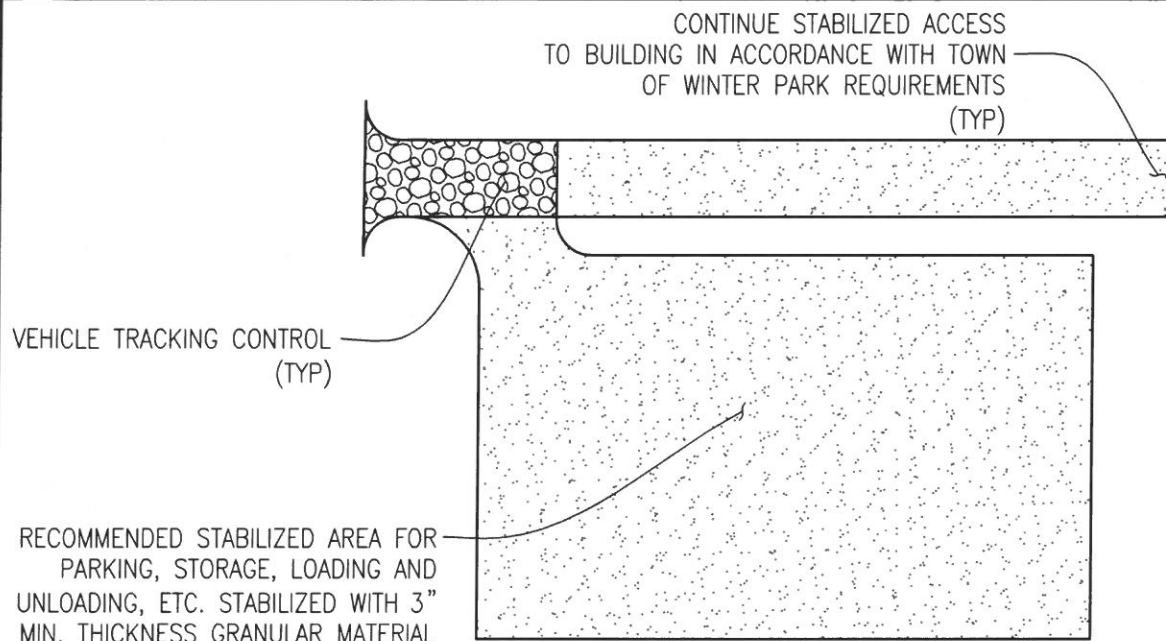
** = PARKING LOT SET BACK MAY BE REDUCED TO 7' IF NOT ADJACENT TO PRIVATE OR PUBLIC STREET



Parking Configuration

Town Of Winter Park
Standard Details Fig 9 May 2012





PLAN

INSTALLATION NOTES

1. CONTRACTOR MAY MODIFY LOCATION AND SIZE OF CONSTRUCTION STABILIZED AREA BASED ON FIELD CONDITIONS.
2. CONSTRUCTION STABILIZED ACCESS AREA SHALL BE LARGE ENOUGH TO FULLY CONTAIN PARKING, STORAGE, AND UNLOADING AND LOADING OPERATIONS.
3. AREA SHALL BE STABILIZED PRIOR TO ANY OTHER MAJOR OPERATIONS ON THE SITE.
4. THE CONSTRUCTION STABILIZED AREA SHALL CONSIST OF A MINIMUM OF 3" OF GRANULAR MATERIAL.

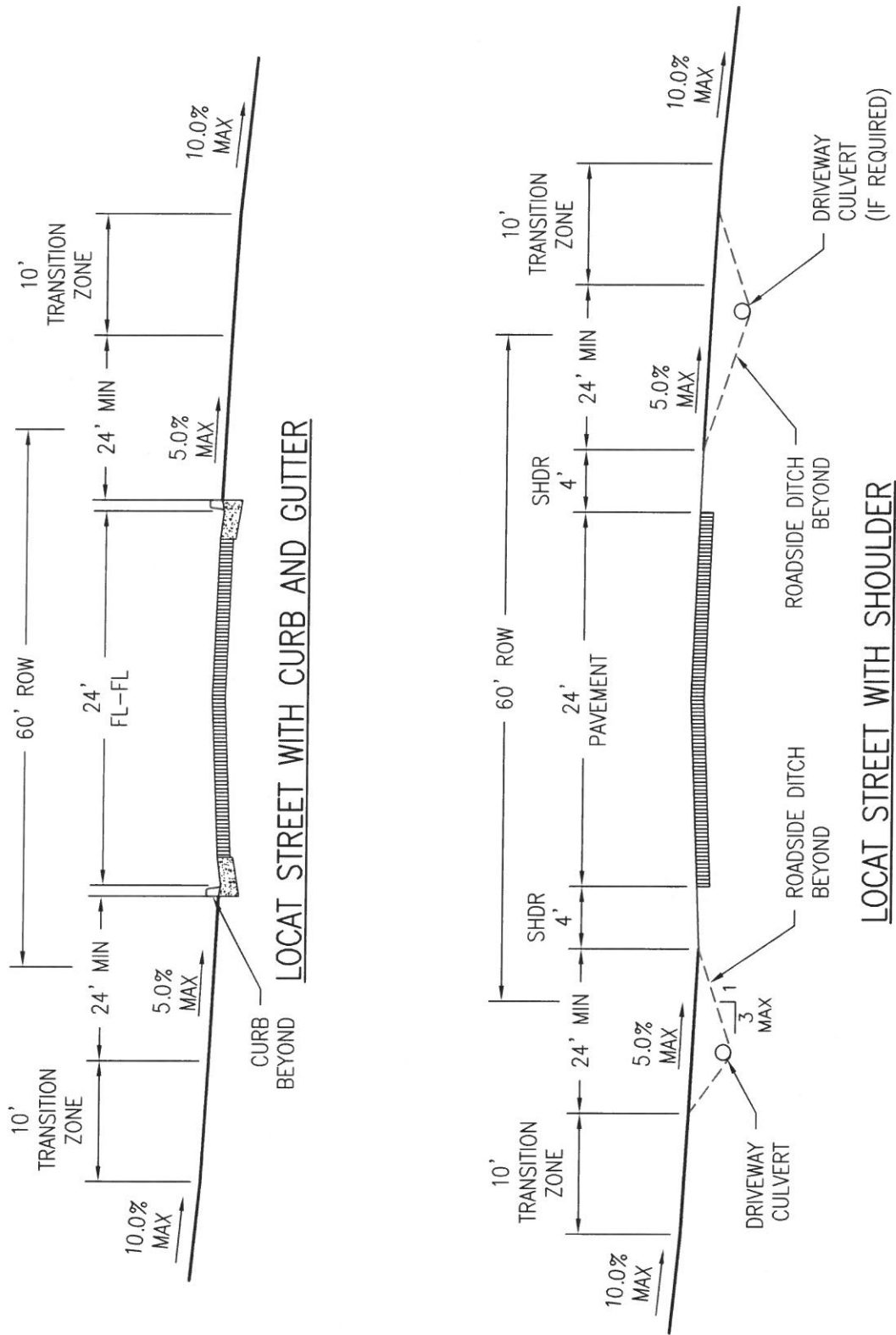
MAINTENANCE NOTES

1. THE CONTRACTOR SHALL INSPECT THE STABILIZED ACCESS AREA WEEKLY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
2. THE CONTRACTOR SHALL PROVIDE ADDITIONAL THICKNESS OF GRANULAR MATERIAL IF ANY RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.
3. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING AND LOADING OPERATIONS.
4. ANY ACCUMULATED DIRT OR MUD SHALL BE REMOVED FROM THE SURFACE OF THE STABILIZED STAGING AREA.
5. THE STABILIZED STAGING AREA SHALL BE REMOVED AND REVEGETATED OR INCORPORATED INTO THE FINAL DRIVEWAY DESIGN AT THE END OF CONSTRUCTION.

Construction Stabilized Access

Town Of Winter Park
 Standard Details Fig 10 May 2012

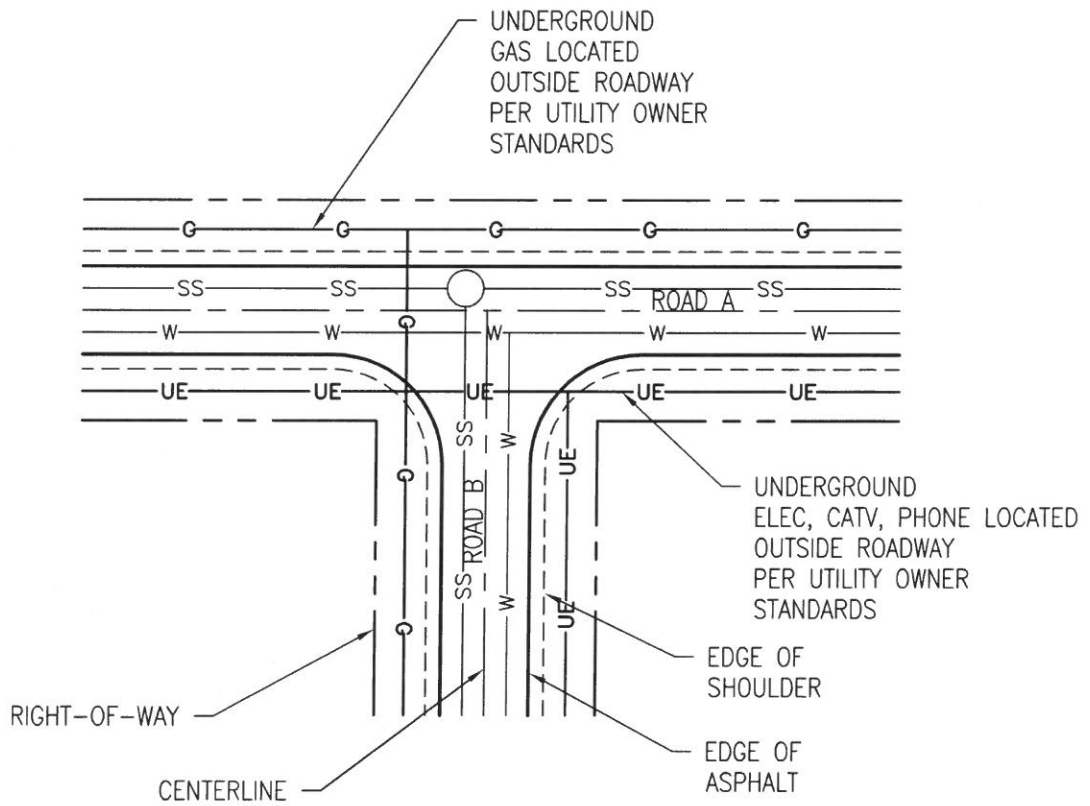




Single Family Driveway Grading Criteria

Town Of Winter Park
 Standard Details Fig 11 May 2012

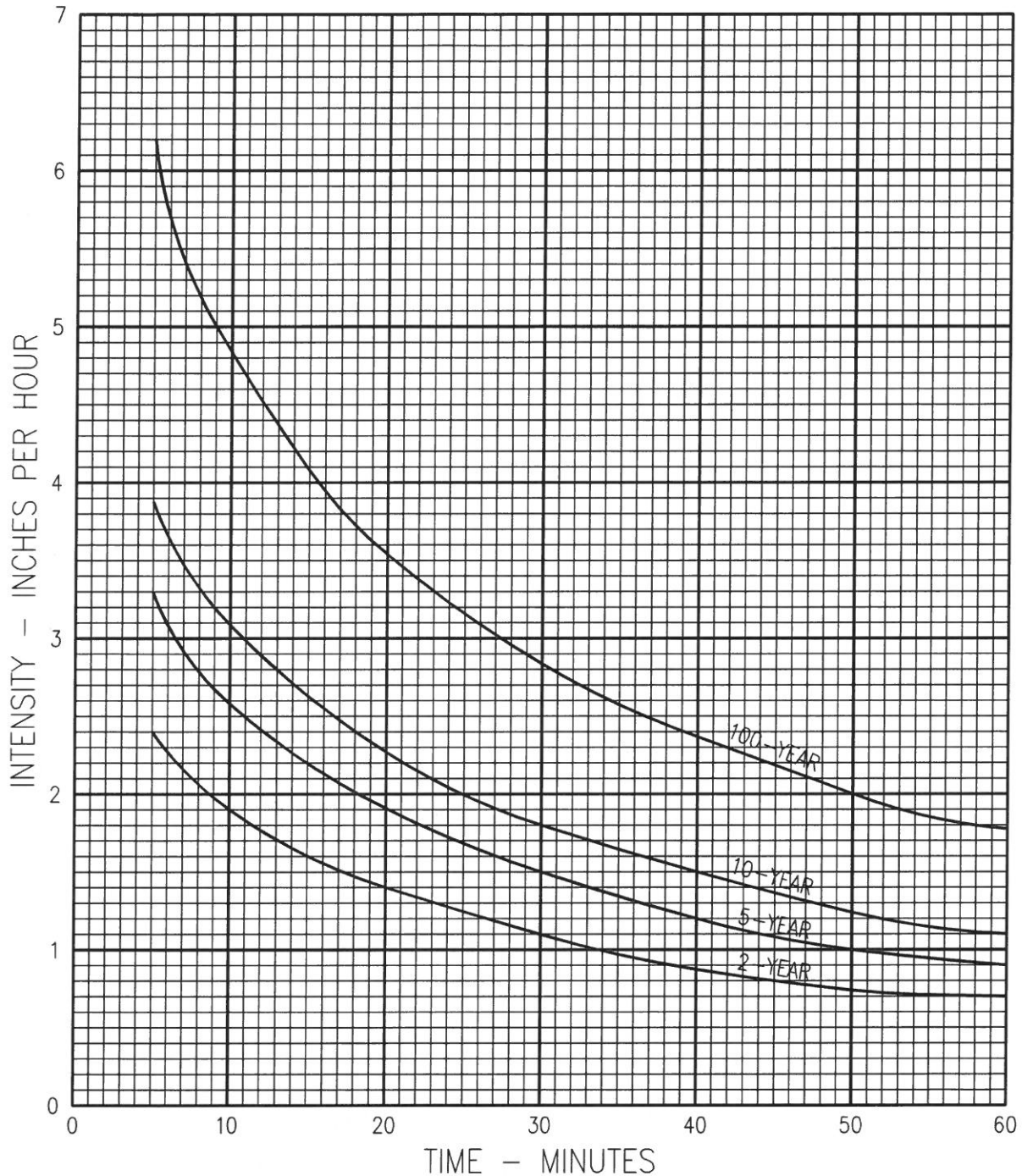




TYPICAL UTILITY LAYOUT

Town Of Winter Park
 Standard Details Fig 12 May 2012





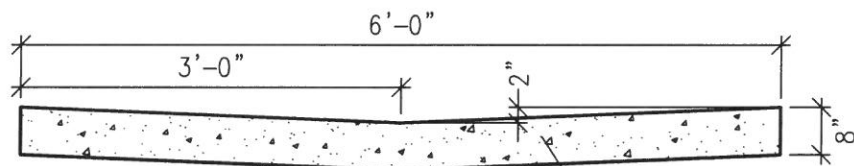
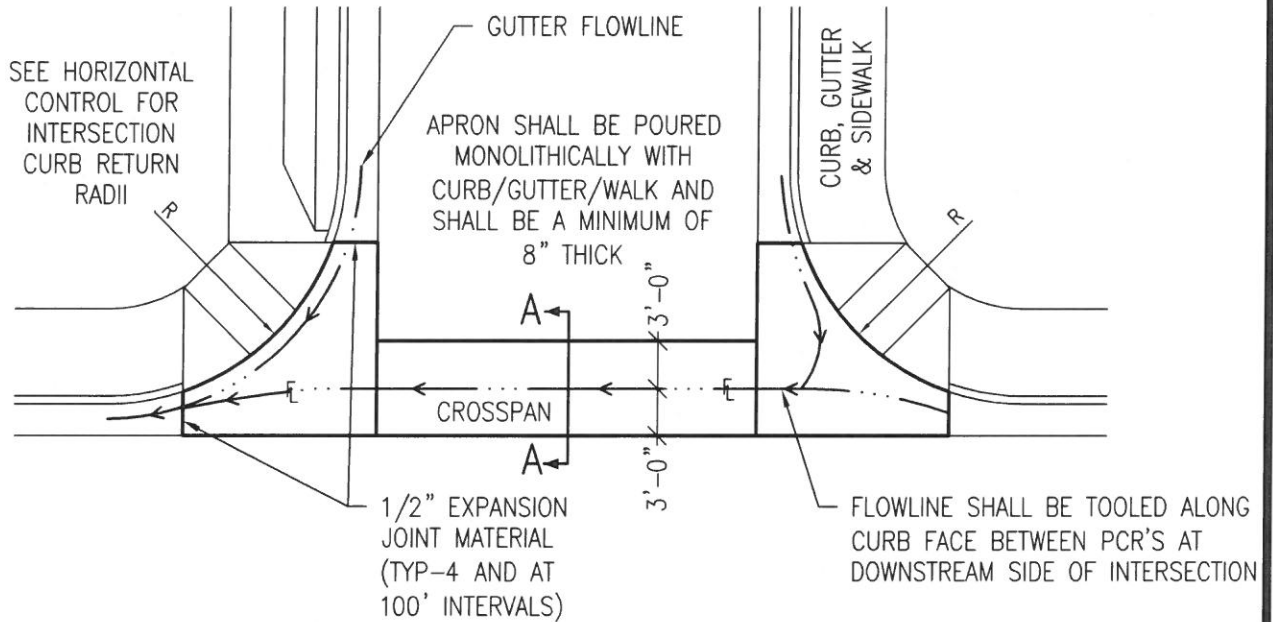
DERIVED FROM THE NOAA ATLAS 2 PRECIPITATION-FREQUENCY ATLAS OF WESTERN UNITED STATES, VOLUME III-COLORADO, U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

AS PRESENTED IN APPENDIX A OF THE GRAND COUNTY STORM DRAINAGE MANUAL

RAINFALL INTENSITY - FREQUENCY CURVES ANNUAL PRECIPITATION

Town Of Winter Park
Standard Details Fig 13 May 2012





SECTION A - A
6 FOOT CROSSPAN

8" THICK 4000 PSI FIBER CONCRETE

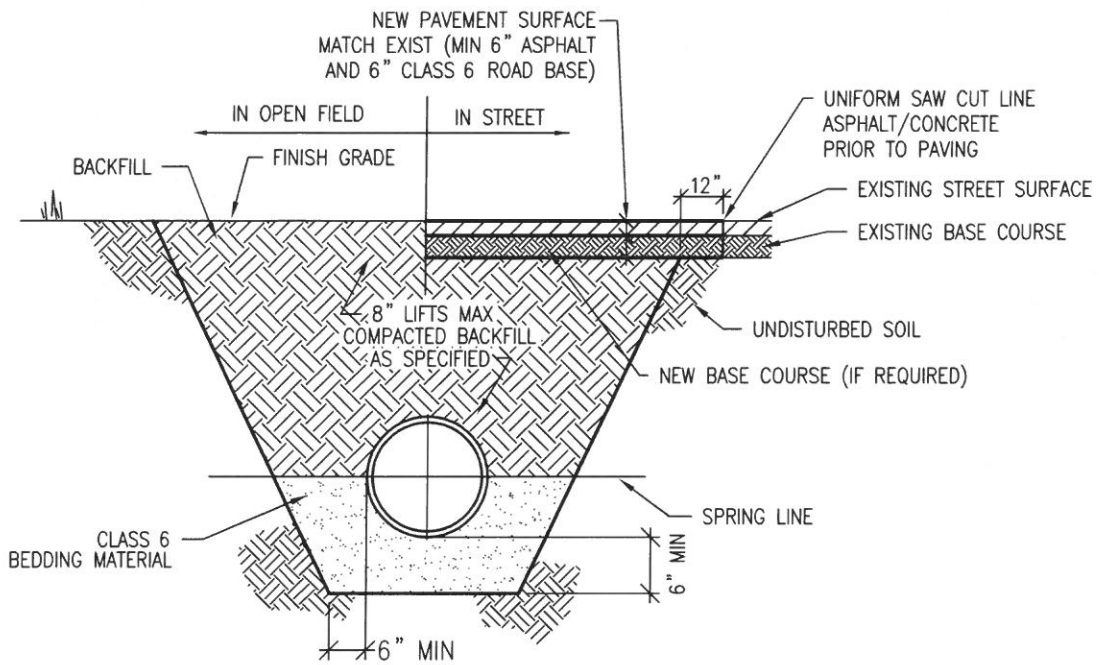
NOTES:

1. SEE THIS SHEET FOR CONCRETE JOINT DETAILS
2. SEE THIS SHEET FOR CURB RAMP DETAILS
3. EXPANSION JOINTS ARE REQUIRED AT PCR'S
4. CROSSPANS ARE NOT PERMITTED ACROSS ARTERIAL/COLLECTOR STREETS

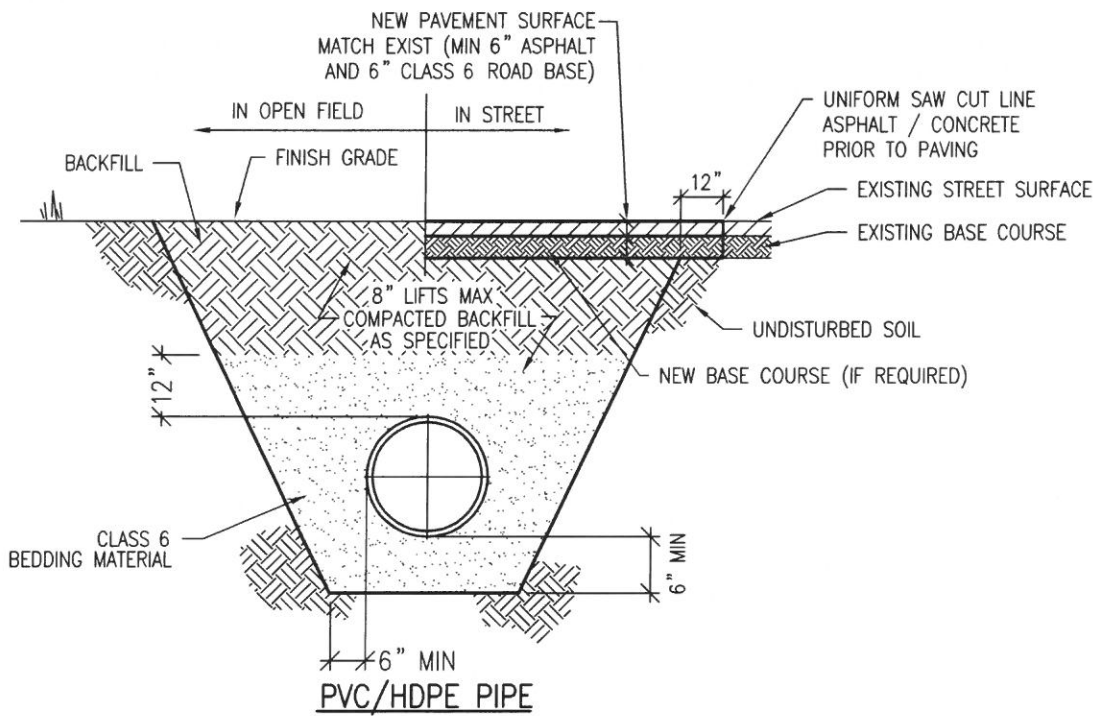
Typical Intersection Crosspan

Town Of Winter Park
 Standard Details Fig 14 May 2012





REINFORCED CONCRETE PIPE



PVC/HDPE PIPE

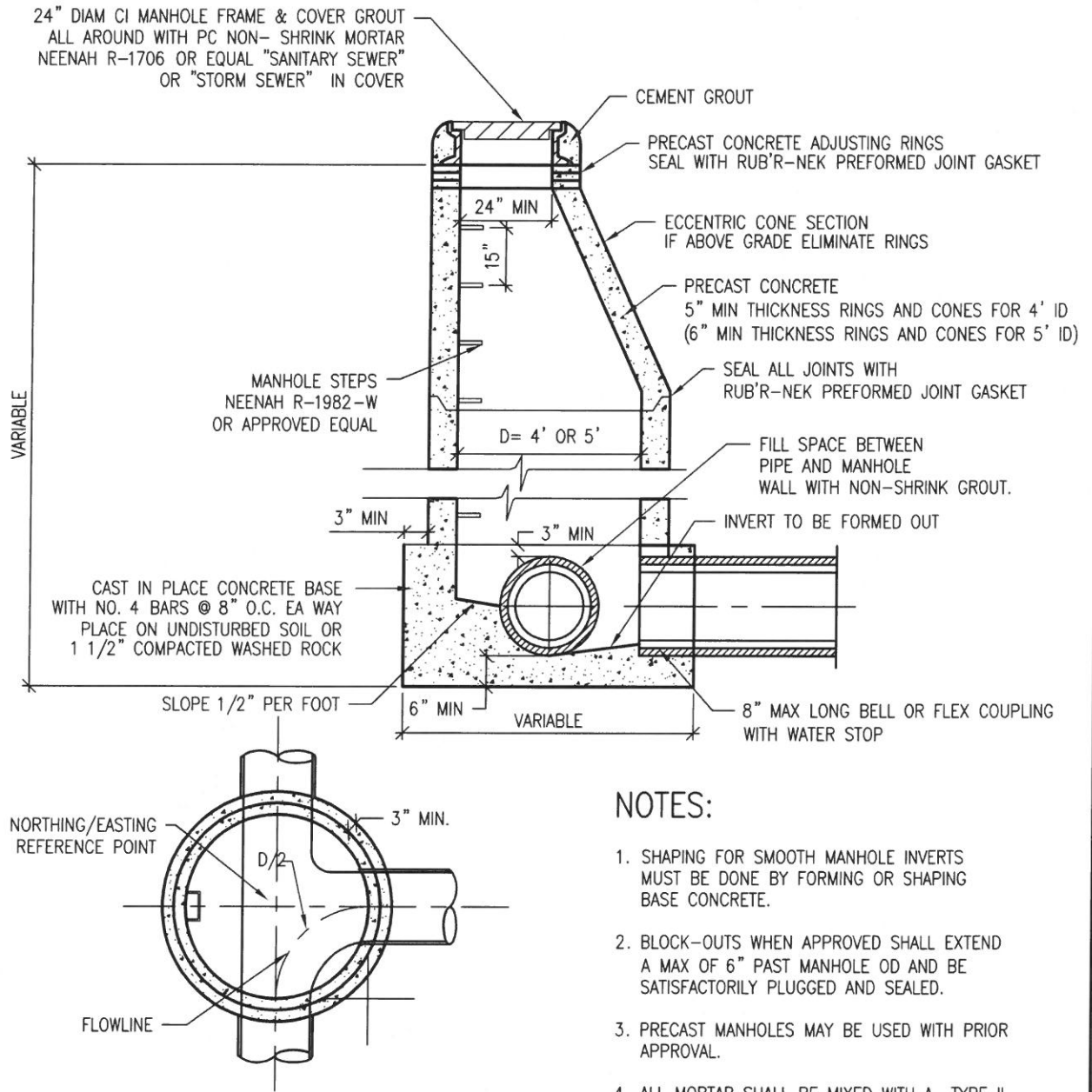
NOTES:

1. IF UNSTABLE MATERIALS ARE FOUND IN TRENCH BOTTOM, OVEREXCAVATE PER SPEC OR AS REQUIRED.
2. TRENCH TO BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKERS AND THE PROTECTION OF OTHER UTILITIES.
3. MINIMUM COVER 18" BELOW FINAL GRADE.

Storm Sewer Pipe Bedding

Town Of Winter Park
Standard Details Fig 15 May 2012





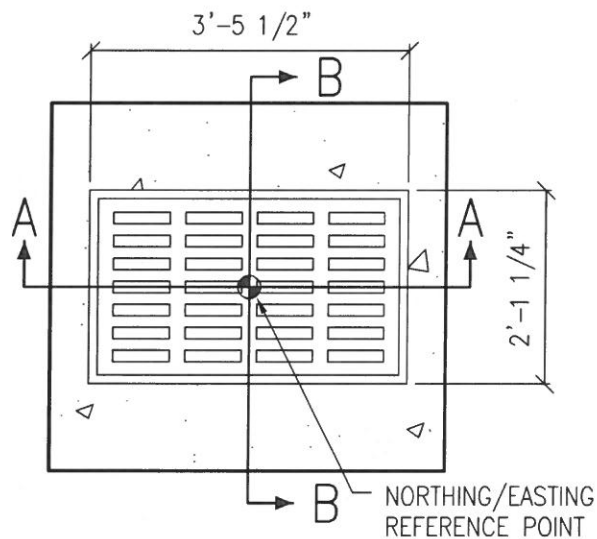
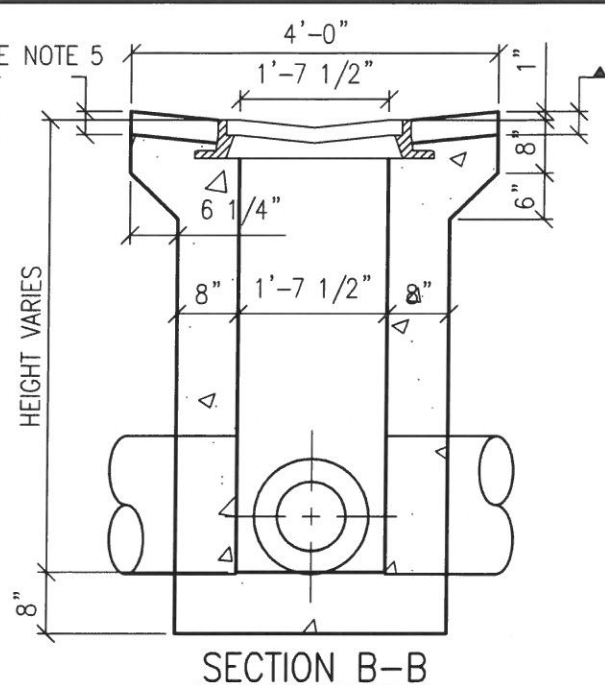
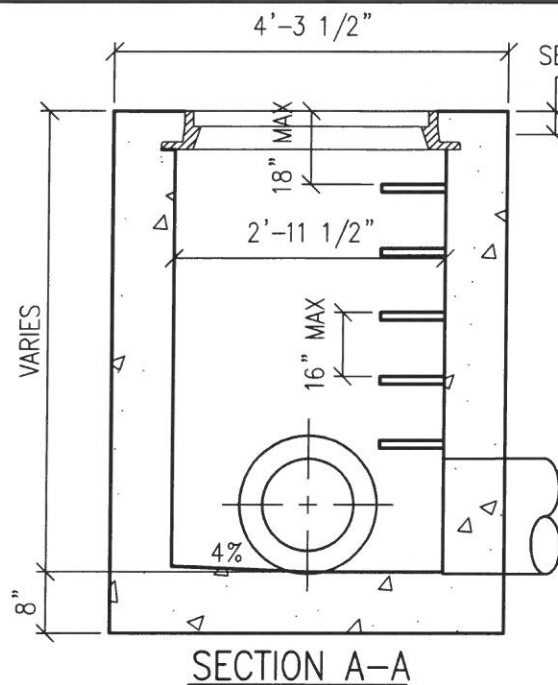
NOTES:

1. SHAPING FOR SMOOTH MANHOLE INVERTS MUST BE DONE BY FORMING OR SHAPING BASE CONCRETE.
2. BLOCK-OUTS WHEN APPROVED SHALL EXTEND A MAX OF 6" PAST MANHOLE OD AND BE SATISFACTORILY PLUGGED AND SEALED.
3. PRECAST MANHOLES MAY BE USED WITH PRIOR APPROVAL.
4. ALL MORTAR SHALL BE MIXED WITH A TYPE II CEMENT.
5. BENCH MUST HAVE A BRUSHED, NON-SKID SURFACE.

Typical Storm Sewer Manhole

Town Of Winter Park
Standard Details Fig 16 May 2012





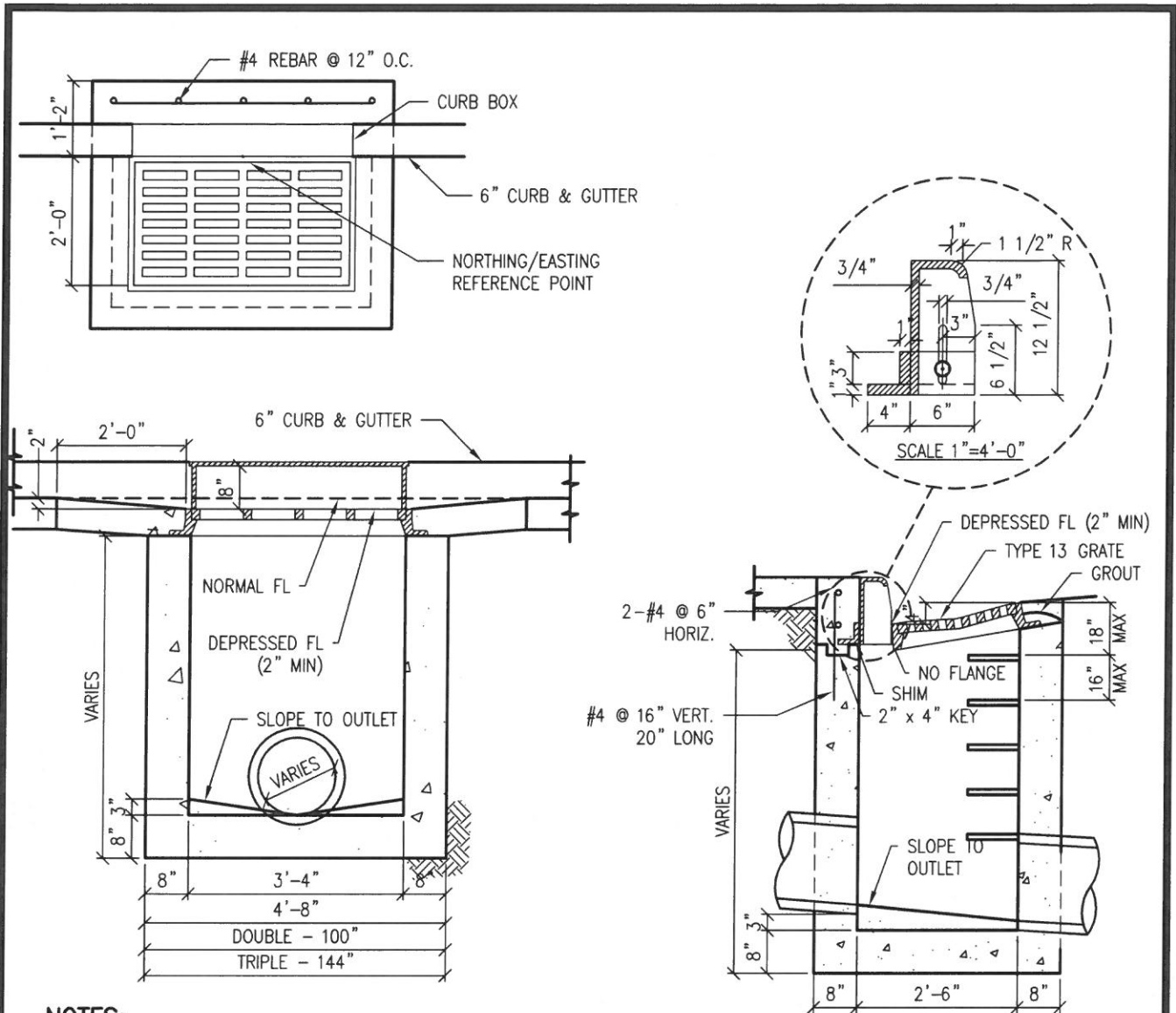
NOTES:

1. CONCRETE SHALL BE CDOT CLASS A OR B. INLET MAY BE CAST-IN-PLACE, PRECAST AND CONFORMING TO ASTM C-478
2. CAST-IN-PLACE CONCRETE WALLS EDGES SHALL BE CHAMFERED 3/4"
3. ALL WALLS AND BASE SHALL BE REINFORCED WITH #4'S @ 8" OC EACH WAY REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2" MINIMUM CLEARANCE
4. STEPS SHALL BE PROVIDED WHEN INLET HEIGHT EXCEEDS 3'-6" AND SHALL BE IN ACCORDANCE WITH AASHTO M 199
5. ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON CONFORMING TO CDOT 712.06. GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADING
6. SEE PLAN DETAILS FOR LOCATION AND SIZE OF PIPE
7. WHEN BITUMINOUS MATERIAL IS TO EXTEND TO THE EDGE OF THE GRATING FRAME, CONCRETE MAY BE DEPRESSED
8. STEPS SHALL BE CONSTRUCTED AS PER PLASTIC STEP DETAIL

Type 13 Field Inlet

Town Of Winter Park
Standard Details Fig 17 May 2012





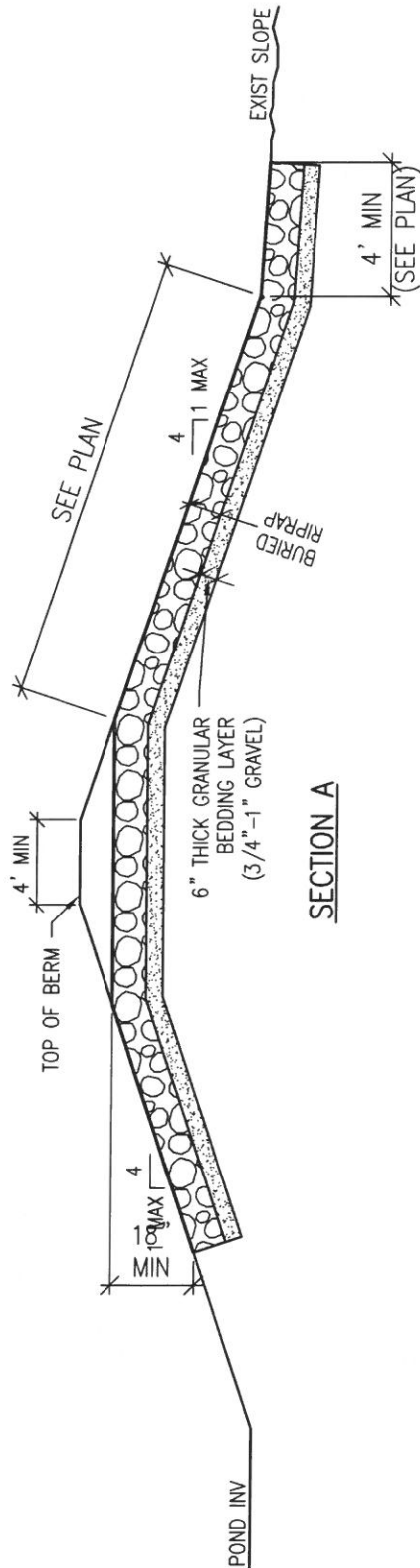
NOTES:

1. INLET STRUCTURES SHALL ALSO INCLUDE 2'-0" CURB & GUTTER TRANSITION SECTION AT EACH END OF INLET PLUS SIDEWALK SECTIONS WHERE REQ'D BEHIND INLET STRUCTURE AND TRANSITION SECTIONS
2. FLOOR SLOPE MAY BE POURED MONOLITHIC WITH BASE
3. OUTLET PIPE(S) TO BE SET FLUSH WITH INSIDE FACE OF INLET WALL
4. UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS OR OTHERWISE APPROVED, ALL No 13 COMBINATION INLETS SHALL BE CONSTRUCTED WITH AN ADJUSTABLE CI CURB BOX
5. STD INLET DEPTHS AND PIPE SIZE ARE NOTED ON THE FOLLOWING TABLE. DEVIATIONS FROM THESE MIN REQUIREMENTS SHALL BE SUBSTANTIATED WITH APPROPRIATE HYDRAULIC ANALYSIS
6. STEPS SHALL BE CONSTRUCTED AS PER PLASTIC STEP DETAIL
7. NORTHING/EASTING REFERENCE POINT TO BE AT FLOWLINE AT MIDPOINT OF INLET. FLOWLINE ELEVATIONS SHOWN ON PLANS REFER TO NORMAL FLOWLINE. DEPRESS AND TRANSITION FLOWLINE AT OPENING AND ADJACENT TO CURB AND GUTTER AS SHOWN.

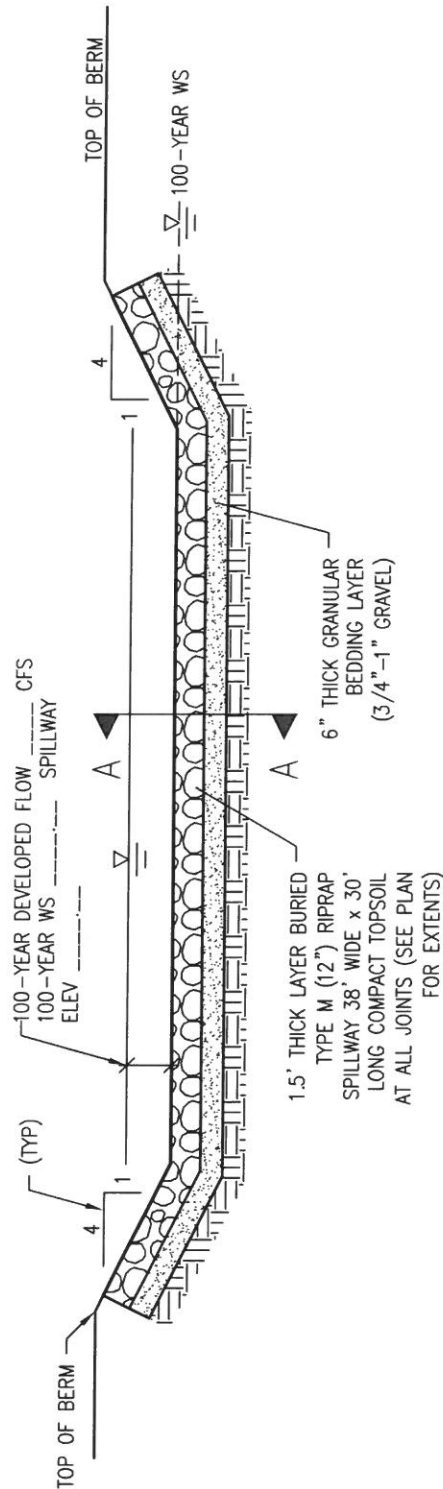
Type 13 Combination Inlet

Town Of Winter Park
 Standard Details Fig 18 May 2012





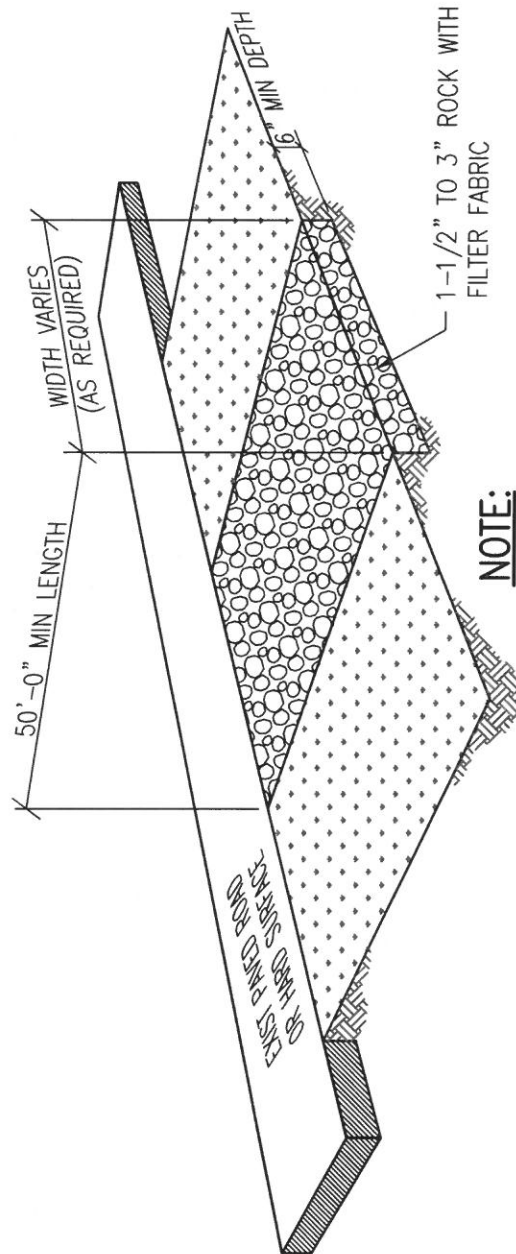
SECTION A



Emergency Overflow Spillway

Town Of Winter Park
 Standard Details Fig 19 May 2012





NOTE:

EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETED, OR AS DIRECTED BY THE JURISDICTION.

Vehicle Tracking Control

Town Of Winter Park
 Standard Details Fig 20 May 2012

