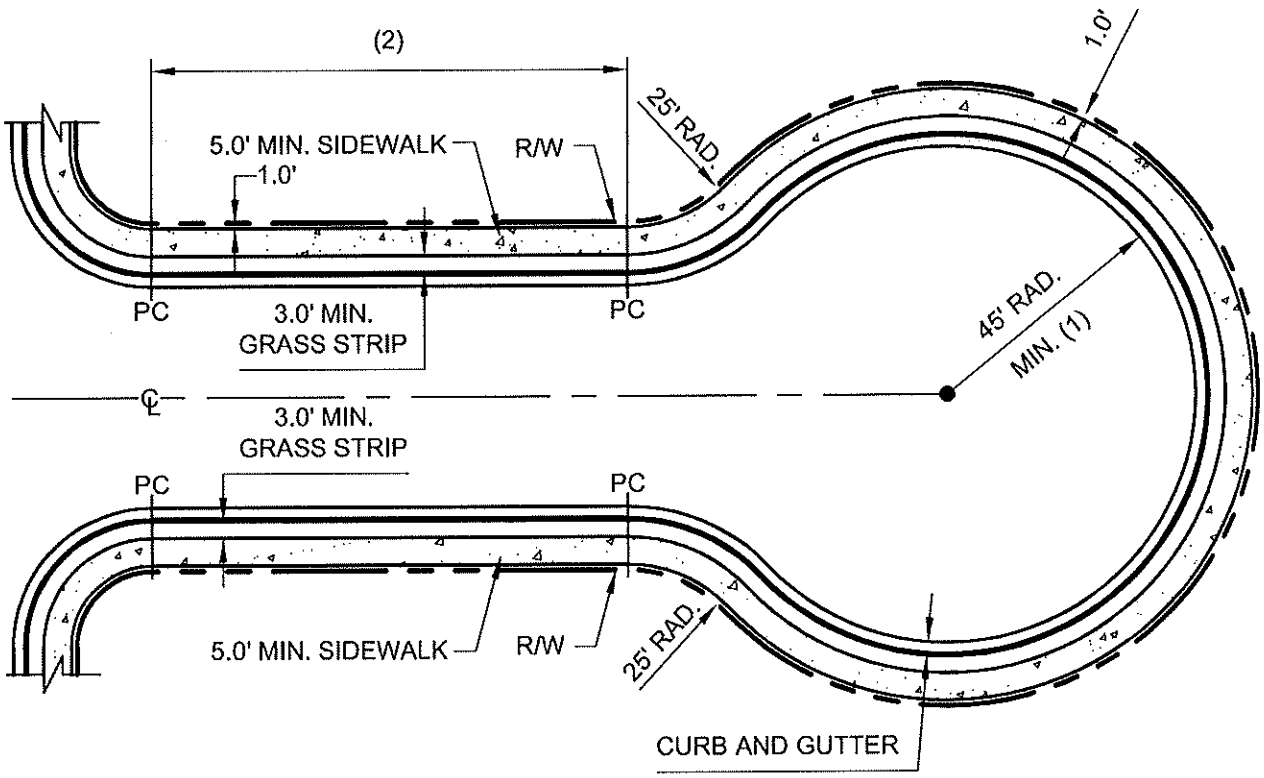
ARTICLE 7-300.3, 7-300.4



GENERAL NOTES:

1. IF THE CUL-DE-SAC IS DETERMINED BY THE TOWN TO BE SUBJECT TO REGULAR BUS OR OTHER LARGE VEHICLE TRAFFIC, A LARGER PAVEMENT RADIUS MAY BE REQUIRED.
2. MINIMUM LENGTH OF CUL-DE-SAC SHALL BE GREATER OF ONE LOT WIDTH BETWEEN THE INTERSECTING STREET PC AND THE BEGINNING OF THE CIRCULAR TURN-AROUND PC, OR 75 FEET.
3. MINIMUM 3% GRADE ACROSS CUL-DE-SAC.
4. SIDEWALKS ON PUBLIC CUL-DE-SAC STREETS SHALL BE PROVIDED WITHIN THE RIGHT-OF-WAY.

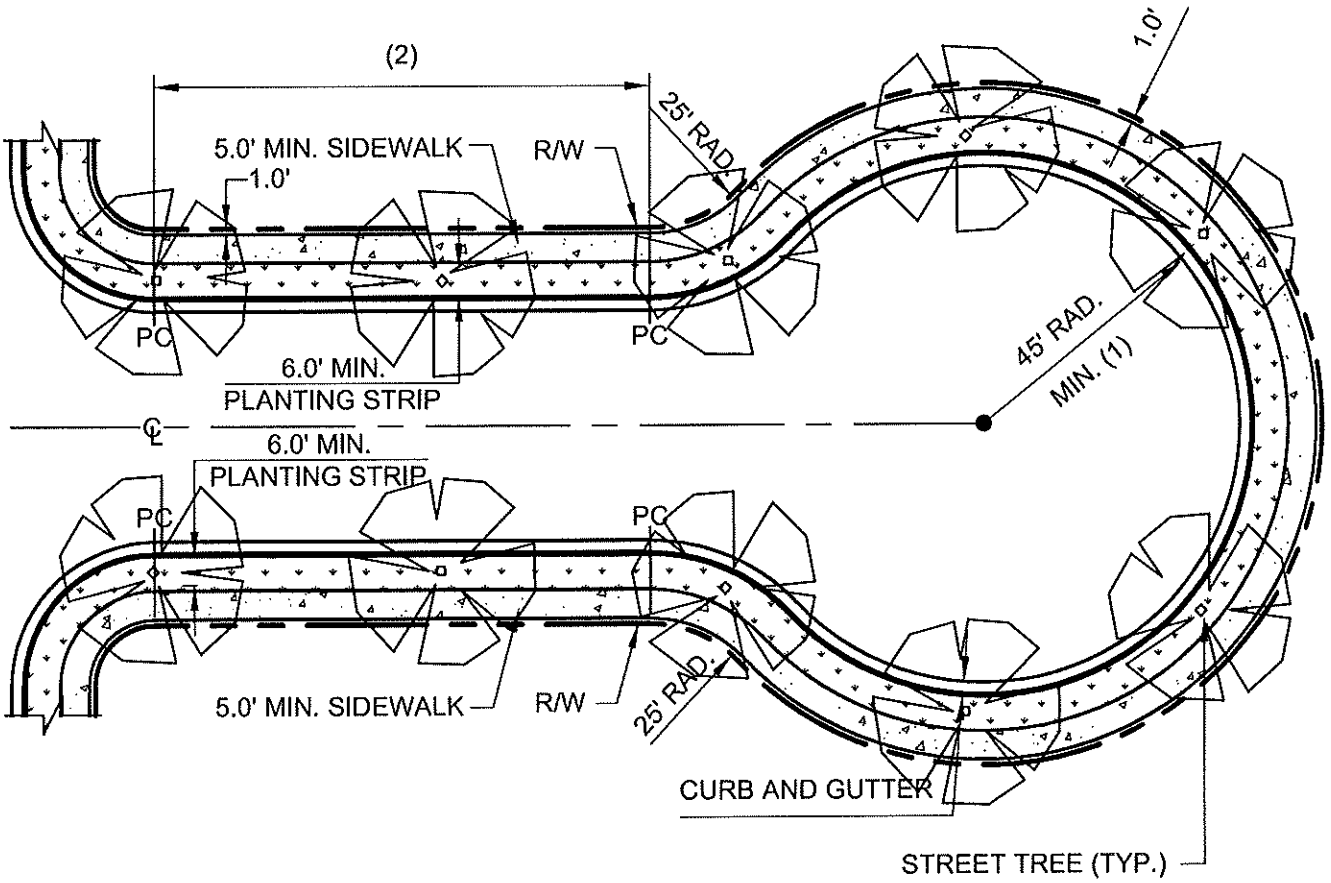
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

TYPICAL CUL-DE-SAC WITH CURB AND GUTTER, AND SIDEWALK

DRAWING TS-1

ARTICLE 7-300.3, 7-300.4



GENERAL NOTES:

1. IF THE CUL-DE-SAC IS DETERMINED BY THE TOWN TO BE SUBJECT TO REGULAR BUS OR OTHER LARGE VEHICLE TRAFFIC, A LARGER PAVEMENT RADIUS MAY BE REQUIRED.

2. MINIMUM LENGTH OF CUL-DE-SAC SHALL BE GREATER OF ONE LOT WIDTH BETWEEN THE INTERSECTING STREET PC AND THE BEGINNING OF THE CIRCULAR TURN-AROUND PC, OR 75 FEET.

3. MINIMUM 3% GRADE ACROSS CUL-DE-SAC.

4. SIDEWALKS ON PUBLIC CUL-DE-SAC STREETS SHALL BE PROVIDED WITHIN THE RIGHT-OF-WAY.

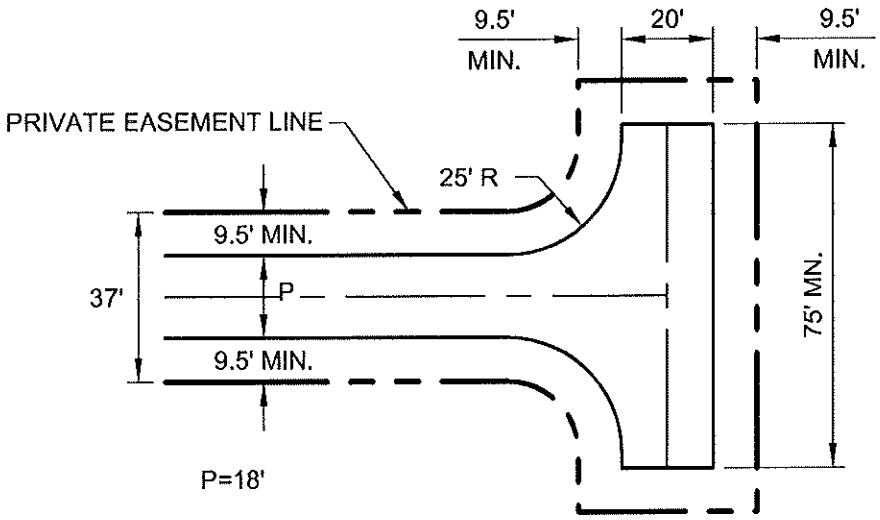
Not To Scale

REVISIONS			
NO.	DATE:		
NEW	03/2010		

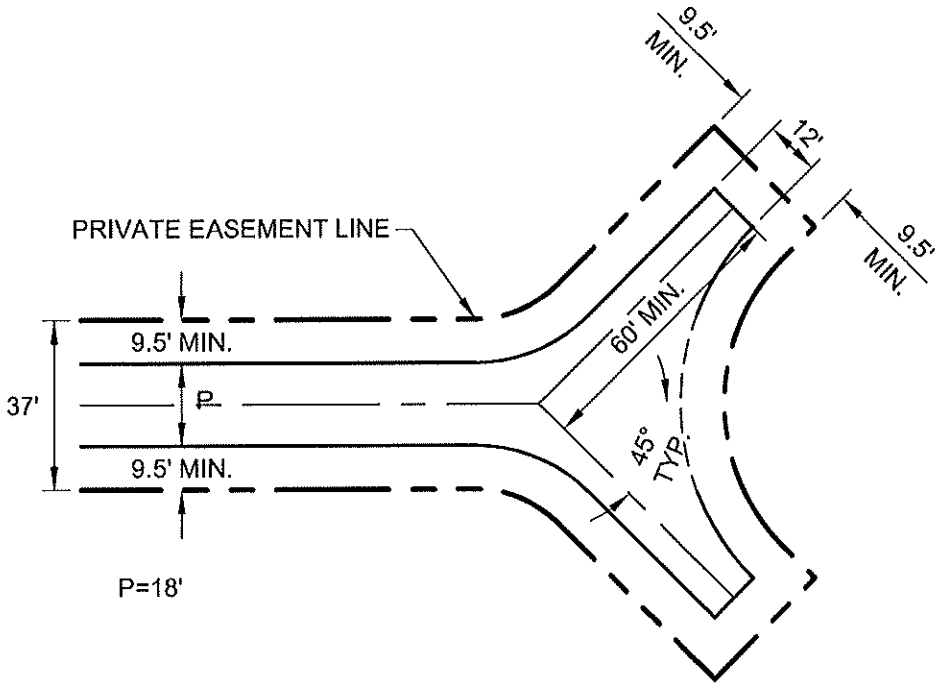
TYPICAL CUL-DE-SAC WITH CURB AND GUTTER, SIDEWALK, AND PLANTING STRIP

DRAWING TS-1A

ARTICLE 7-300.3, 7-363.3B(4)



PRIVATE "T" TURNAROUND



PRIVATE "Y" TURNAROUND

NOTE:
PEDESTRIAN SIDEWALKS SHALL BE PROVIDED WITHIN THE PRIVATE EASEMENT.

Not To Scale

REVISIONS			
NO.	DATE:		
NEW	03/2010		

TYPICAL PRIVATE "T" AND "Y" TURNAROUND

DRAWING TS-2

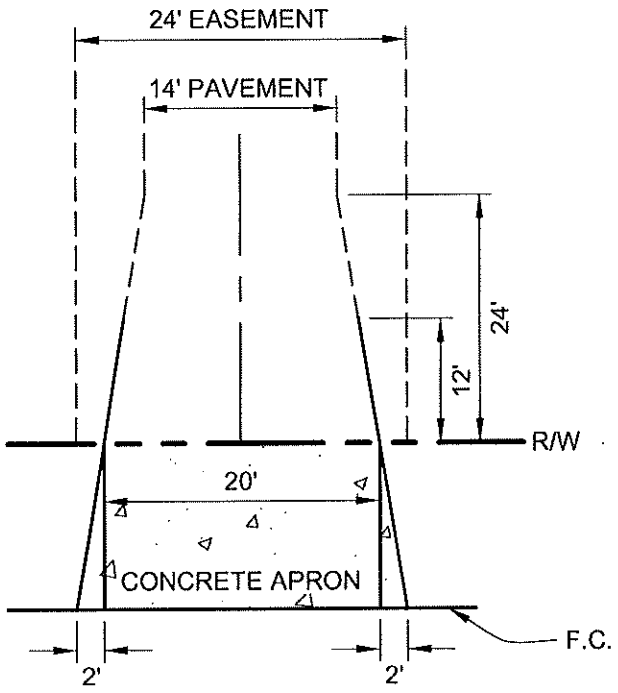
ARTICLE

THIS PAGE INTENTIONALLY LEFT BLANK

REVISIONS			
NO.	DATE:		
1	03/2010		

THIS PAGE INTENTIONALLY LEFT BLANK

ARTICLE 7-362.2C, 7-363.3B



NUMBER OF LOTS	COMBINED WIDTH OF STEMS	WIDTH OF EASEMENT	WIDTH OF PAVEMENT
1	20'	NONE	14'
2	20'	24'	14'
3*	20'	30'	18'

* FOR LOTS PREVIOUSLY APPROVED BY THE TOWN OF LEESBURG

NOTES:

1. GRADING PLANS MUST PROVIDE FOR ADEQUATE VEHICULAR CLEARANCE FOR DRIVEWAY APPROACH, DEPARTURE, AND BREAKOVER TRANSITIONS.
2. DRIVEWAY PROFILES ARE REQUIRED WHERE STEEP DRIVEWAY GRADES EXCEEDING 8% PREVAIL.
3. PIPESTEM DRIVEWAYS SHALL BE PAVED TO THE TERMINAL POINT OF THE DRIVEWAY EASEMENT.
4. FIVE-INCH CONCRETE IS ACCEPTABLE IN LIEU OF A 1 1/2" BIT. SURFACE ON 6" 21A STONE BASE.

Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

PRIVATE ENTRANCE PIPESTEM LOTS CURB AND GUTTER SECTION

DRAWING TS-4

ARTICLE 7-310.16

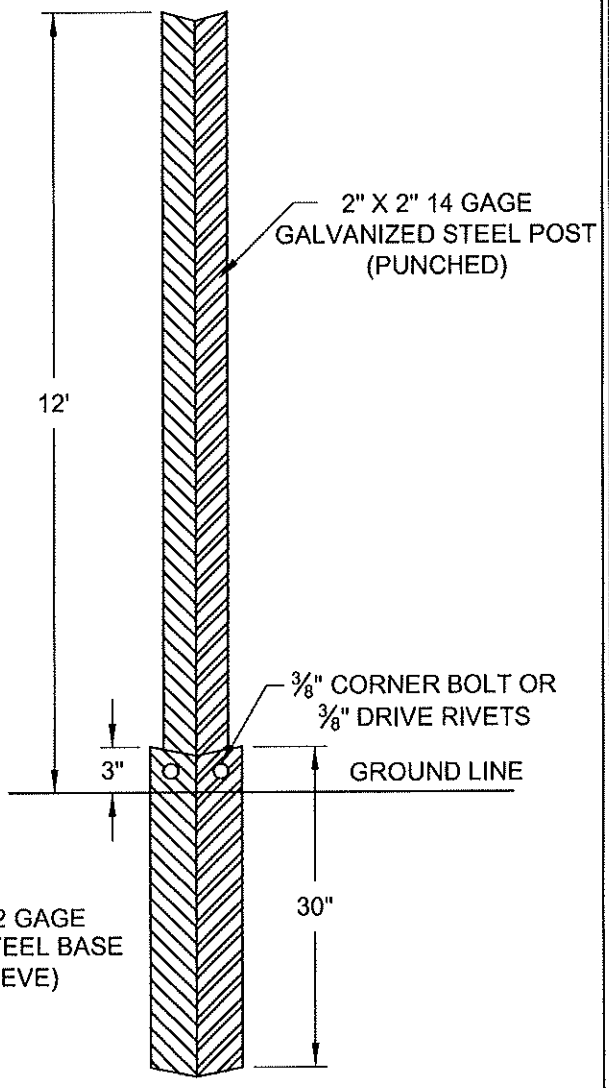
EXAMPLES OF PUBLIC SIGNS

R1-1
30" x 30"

R1-2
36" x 36" x 36"

R8-3a
12" x 12"

R2-1
24" x 30"



NOTE:

ALL SIGNS SHALL BE PRISMATIC LENS SHEETING.

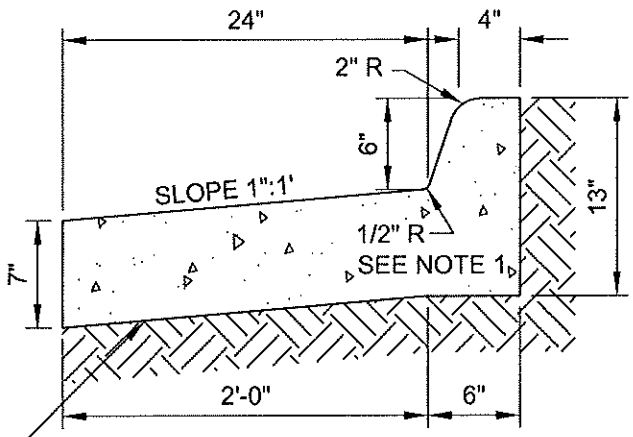
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

TYPICAL STREET SIGNS AND INSTALLATION

DRAWING
TS-5

ARTICLE 7-320.2



THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED PARALLEL TO THE SLOPE OF THE SUBSURFACE COURSES PROVIDED A MINIMUM DEPTH OF 7" IS MAINTAINED

CG-6R
REVERSED CURB AND GUTTER
SECTION VIEW

NOTES:

1. A TWO INCH RADIUS SHALL BE ALLOWED WITH CURB AND GUTTER.
2. CURB HAVING A RADIUS OF THREE HUNDRED FEET OR LESS (ALONG FACE OF CURB) SHALL BE CONSIDERED RADIAL CURB.
3. THE USE OF REVERSED CURB AND GUTTER (CG-6R) IS NOT ALLOWED IN PUBLIC RIGHT-OF-WAY.
4. SUBGRADE FOR ALL CURB AND GUTTER SHALL BE COMPACTED TO 95 PERCENT DENSITY AT OPTIMUM MOISTURE TO THE FULL WIDTH OF RIGHT-OF-WAY IN ACCORDANCE WITH AASHTO T99.

Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

TYPICAL COMBINATION CURB AND GUTTER CG-6R

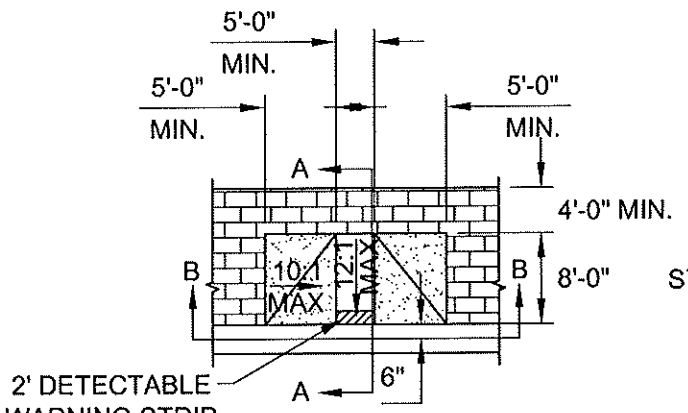
DRAWING TS-6

ARTICLE

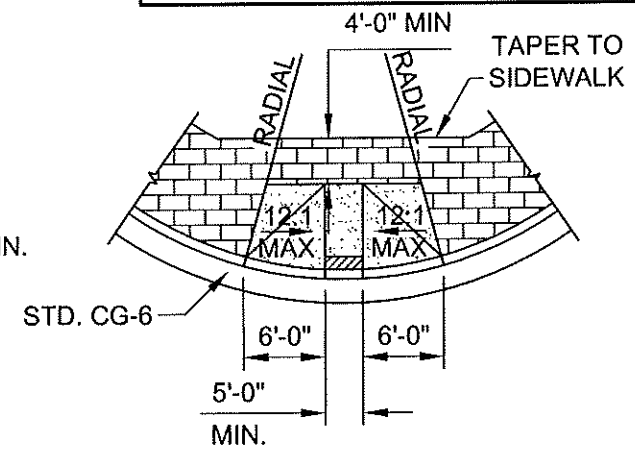
THIS PAGE INTENTIONALLY LEFT BLANK

REVISIONS				THIS PAGE INTENTIONALLY LEFT BLANK	DRAWING TS-7
NO.	DATE:				
1	03/2010				PAGE 83

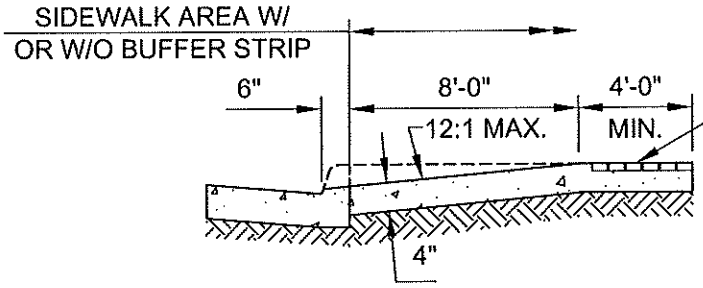
ARTICLE 7-340.1E



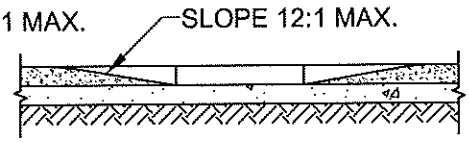
TANGENT PLAN



RADIAL PLAN



SECTION A-A



SECTION B-B

NOTES:

1. ALL CONCRETE SHALL BE CLASS A-3.
2. RAMP SURFACE SHALL BE CONSTRUCTED WITH A NON-SKID FINISH AND THE CROSS SLOPE OF THE RAMP SHALL NOT EXCEED 1/4":1'. LONGITUDINAL SLOPE SHALL NOT EXCEED 12:1.
3. CURB CUT RAMPS ARE TO BE LOCATED AS SHOWN ON THE PLANS. THE RAMPS SHOULD BE OFFSET FROM THE PEDESTRIAN CROSSWALKS, BUT SHOULD NOT BE LOCATED BEHIND VEHICLE STOP SIGNS, EXISTING LIGHT POLES, ETC.
4. WHEN USED WITH V.D.O.T. STANDARD CG-3 OR CG-7, THE CURB FACE SHALL BE ADJUSTED TO MATCH THE MOUNTABLE CURB CONFIGURATION.

Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		
2	02/2013		

CONCRETE CURB CUT RAMP FOR BRICK SIDEWALK

DRAWING TS-8

ARTICLE

THIS PAGE INTENTIONALLY LEFT BLANK

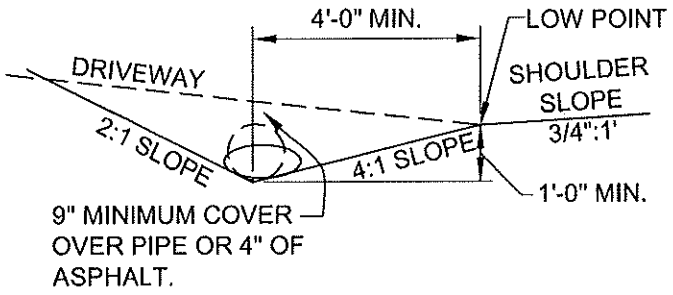
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

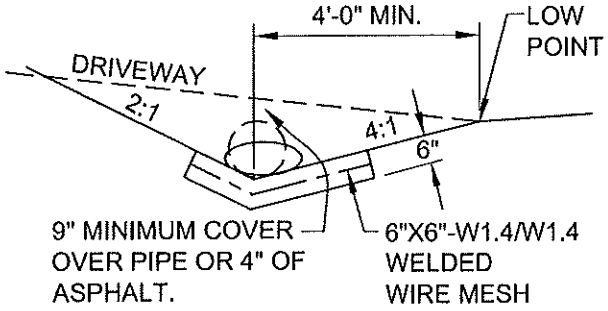
THIS PAGE INTENTIONALLY LEFT BLANK

DRAWING TS-9

ARTICLE 7-362.2B

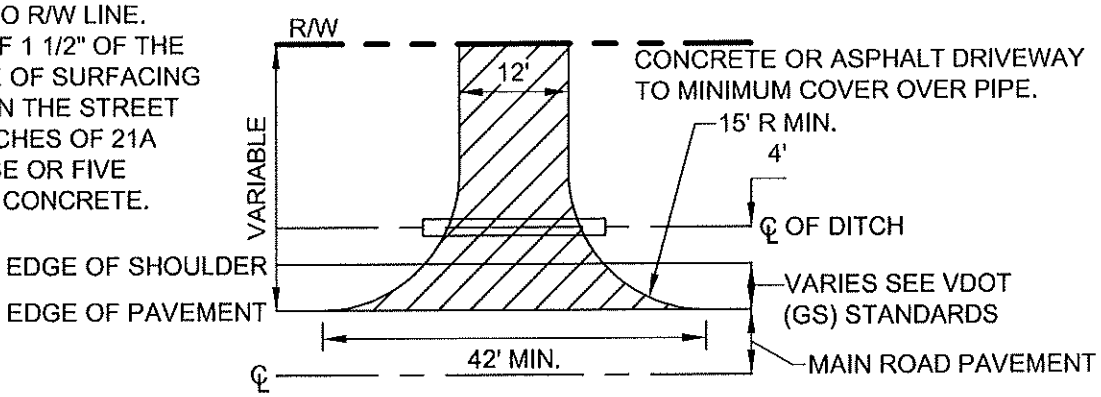


GRASSLINED ROADSIDE DITCH



CONCRETE ROADSIDE DITCH
A CONCRETE DITCH IS REQUIRED WHERE SOIL CONDITIONS AND RUNOFF VELOCITIES WILL CAUSE EROSION.

EXTEND ENTRANCE SURFACE TO R/W LINE. MINIMUM OF 1 1/2" OF THE SAME TYPE OF SURFACING AS USED ON THE STREET AND SIX INCHES OF 21A STONE BASE OR FIVE INCHES OF CONCRETE.



NOTES:

1. CONCRETE PIPE SHALL BE USED. INDICATE CLASS AND SIZE ON PLANS.
2. DRIVEWAYS SHALL BE SURFACED FROM EDGE OF PAVEMENT TO PROPERTY LINE WITH THE SAME TYPE OF SURFACING USED ON THE STREET.
3. ALL DRIVEWAY GRADES SHALL START BACK OF THE SHOULDER LINE.
4. IN CUT SECTIONS, SIDES OF DRIVEWAY SHALL BE GRADED TO A MAXIMUM 3:1 SLOPE.
5. DITCH LINE MAY BE MOVED BACK TO PROVIDE REQUIRED COVER. THE TRANSITION OF THE DITCH LINE SHALL BE SMOOTH WITH A MINIMUM LENGTH OF TEN FEET.

Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

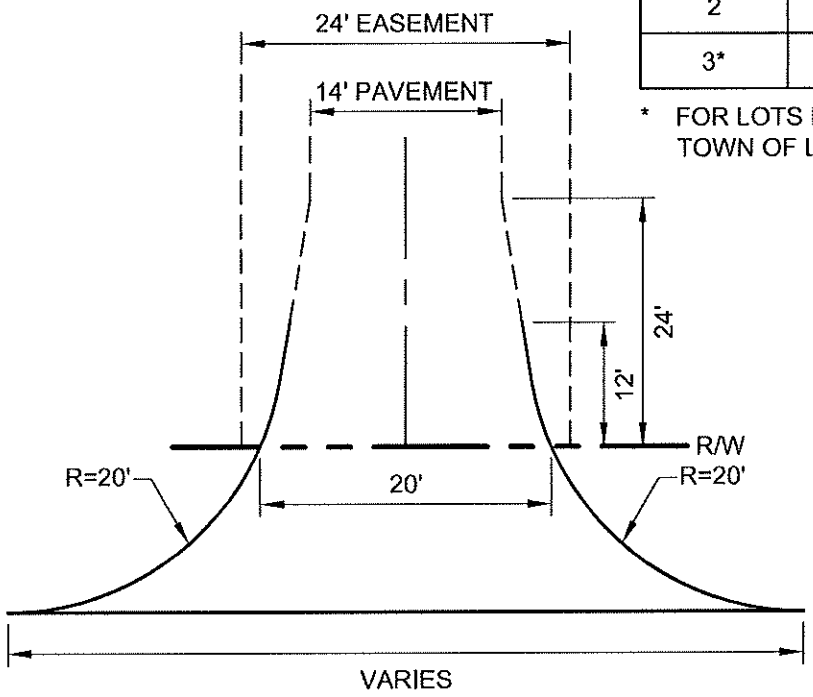
PRIVATE DRIVEWAY ENTRANCE WITH NO CURB AND GUTTER

DRAWING TS-10

ARTICLE 7-362.2D, 7-363.3B

NUMBER OF LOTS	COMBINED WIDTH OF STEMS	WIDTH OF EASEMENT	WIDTH OF PAVEMENT
1	20'	NONE	14'
2	20'	24'	14'
3*	20'	30'	18'

* FOR LOTS PREVIOUSLY APPROVED BY THE TOWN OF LEESBURG



NOTES:

1. GRADING PLANS MUST PROVIDE FOR ADEQUATE VEHICULAR CLEARANCE FOR DRIVEWAY APPROACH, DEPARTURE, AND BREAKOVER TRANSITIONS.
2. DRIVEWAY PROFILES ARE REQUIRED WHERE STEEP DRIVEWAY GRADES EXCEEDING 8% PREVAIL.
3. PIPESTEM DRIVEWAYS SHALL BE PAVED TO THE TERMINAL POINT OF THE DRIVEWAY EASEMENT.
4. FIVE-INCH CONCRETE IS ACCEPTABLE IN LIEU OF A 1 1/2" BIT. SURFACE ON 6" 21A STONE BASE.

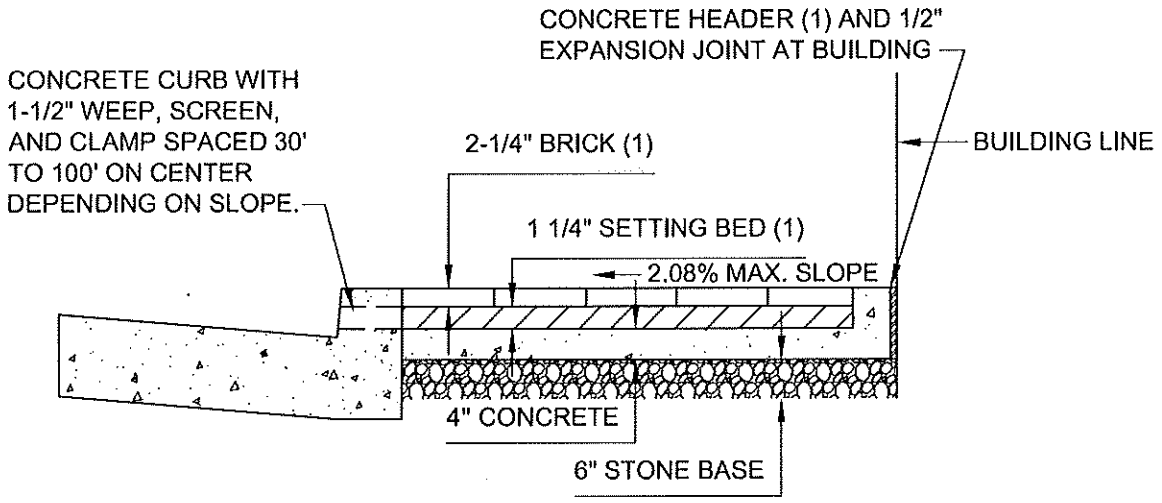
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

PRIVATE ENTRANCE PIPESTEM LOTS DITCH SECTION

DRAWING TS-11

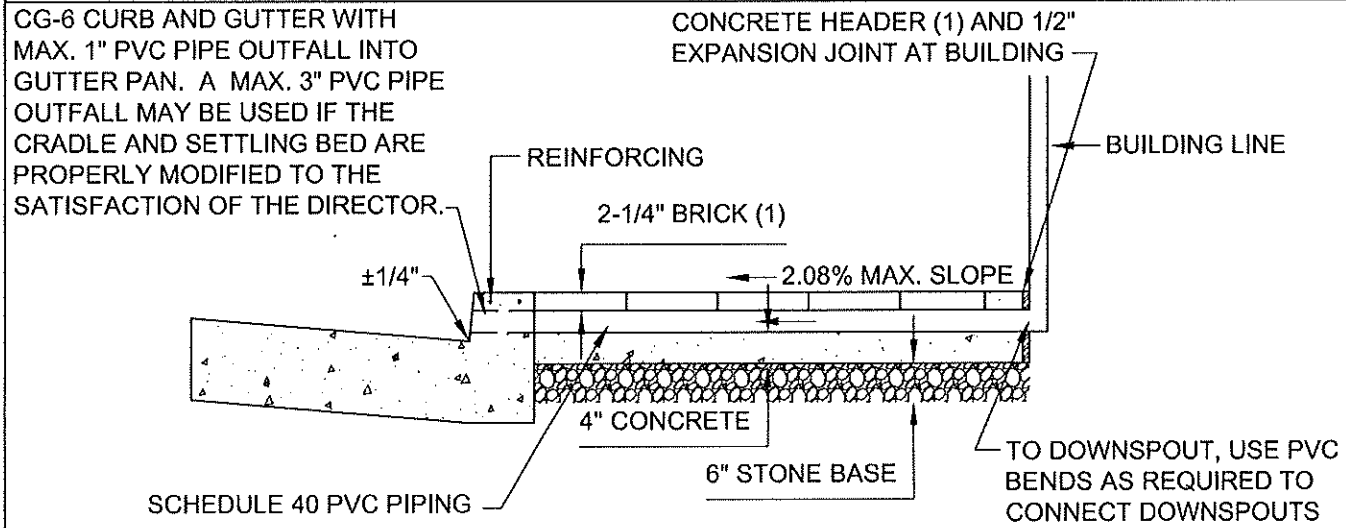
ARTICLE 7-362.3A



NOTE:

1. SEE DRAWING TS-12F AND TS-12G STANDARD BRICK SIDEWALK SPECIFICATIONS

TYPICAL SECTION



TYPICAL DOWNSPOUT OUTFALL DETAIL

NOTE:

1. SEE DRAWING TS-12F AND TS-12G STANDARD BRICK SIDEWALK SPECIFICATIONS

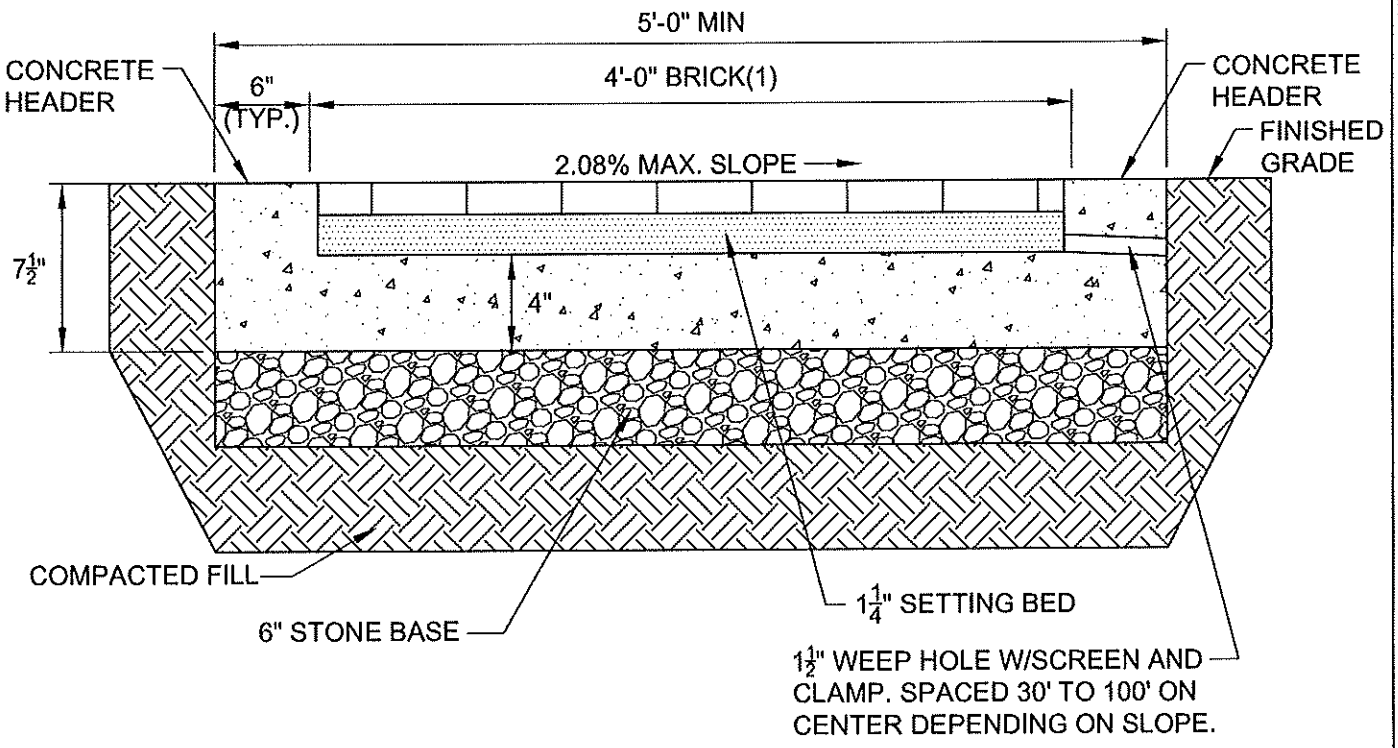
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

STANDARD BRICK SIDEWALK WITH CURB AND GUTTER

DRAWING TS-12A

ARTICLE 7-362.3A



TYPICAL SECTION

NOTE:

1. SEE DRAWING TS-12F AND TS-12G STANDARD BRICK SIDEWALK SPECIFICATIONS

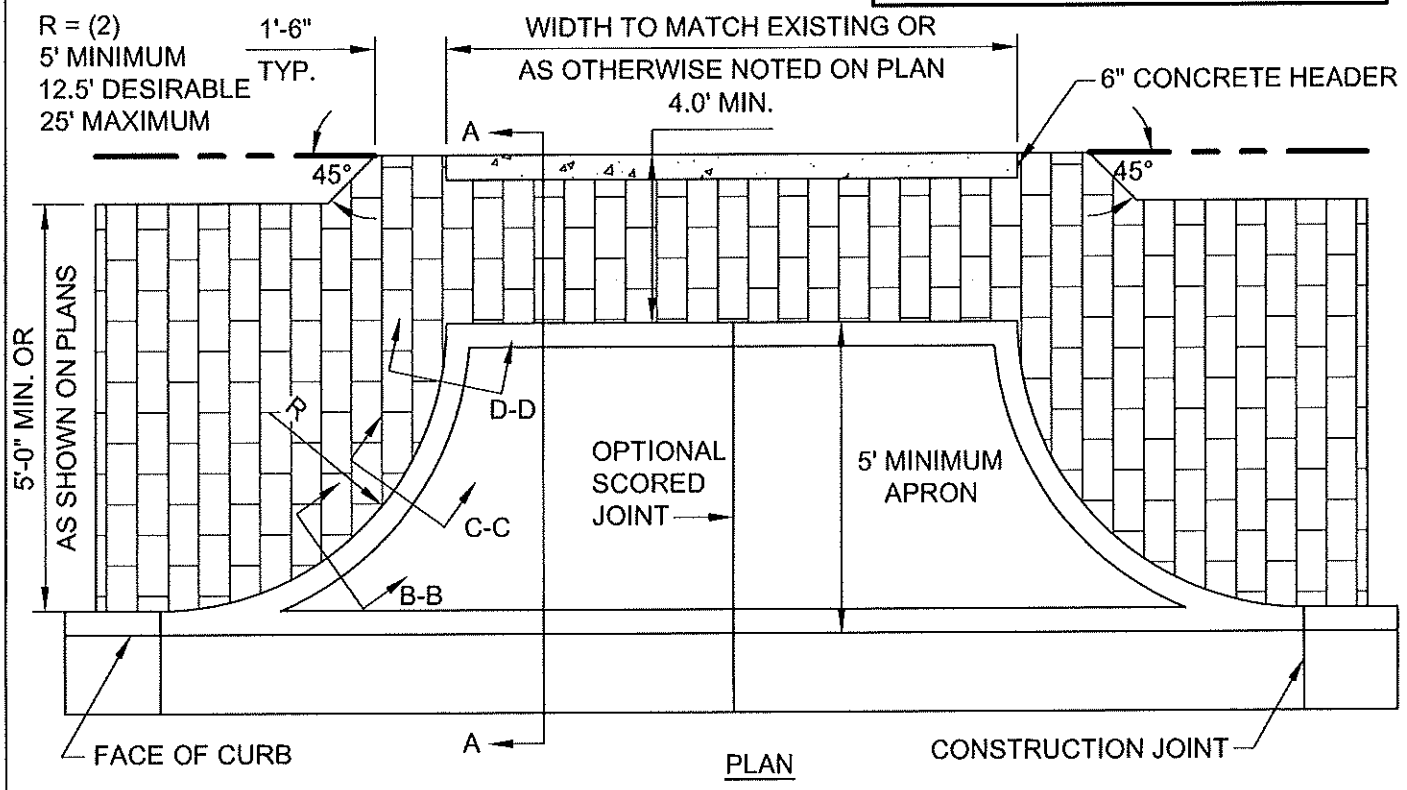
Not To Scale

REVISIONS			
NO.	DATE:		
NEW	03/2010		
1	02/2013		

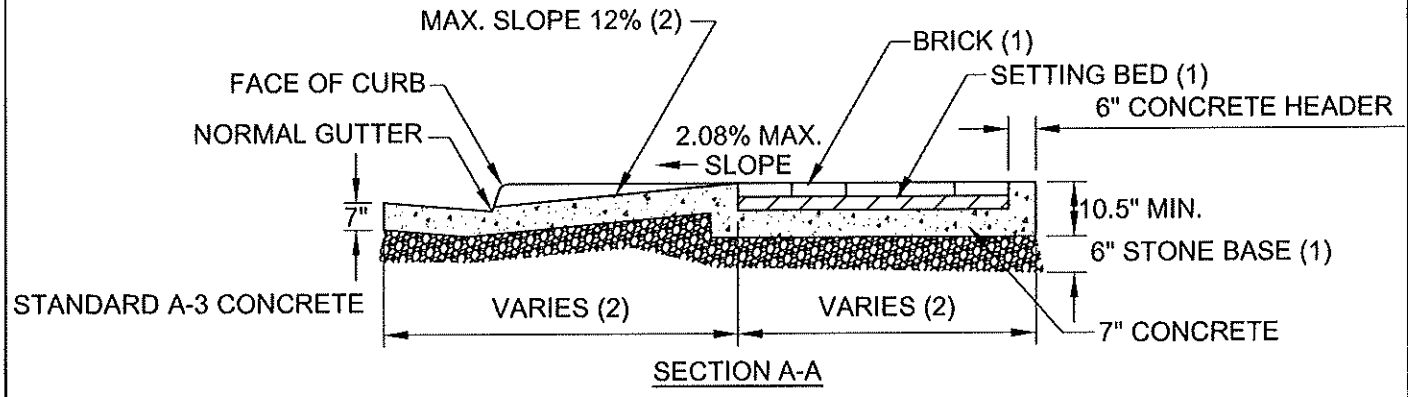
STANDARD BRICK SIDEWALK WITHOUT CURB AND GUTTER

DRAWING TS-12B

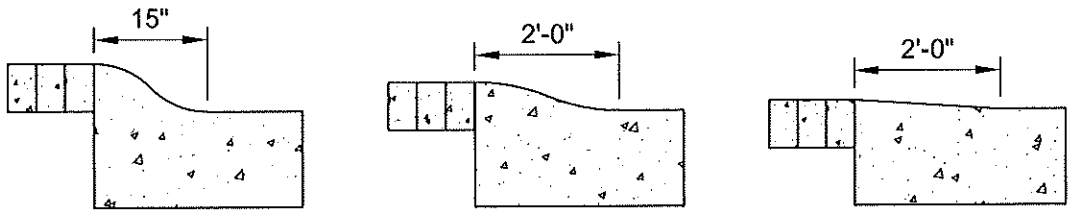
ARTICLE 7-362.3A



PLAN



SECTION A-A



SECTION B-B SECTION C-C SECTION D-D

NOTES:

1. SEE DRAWING TS-12F AND TS-12G FOR STANDARD BRICK SIDEWALK SPECIFICATIONS
2. EACH OF THESE DIMENSIONS MUST BE SPECIFIED ON THE PLAN BY THE DESIGN ENGINEER.

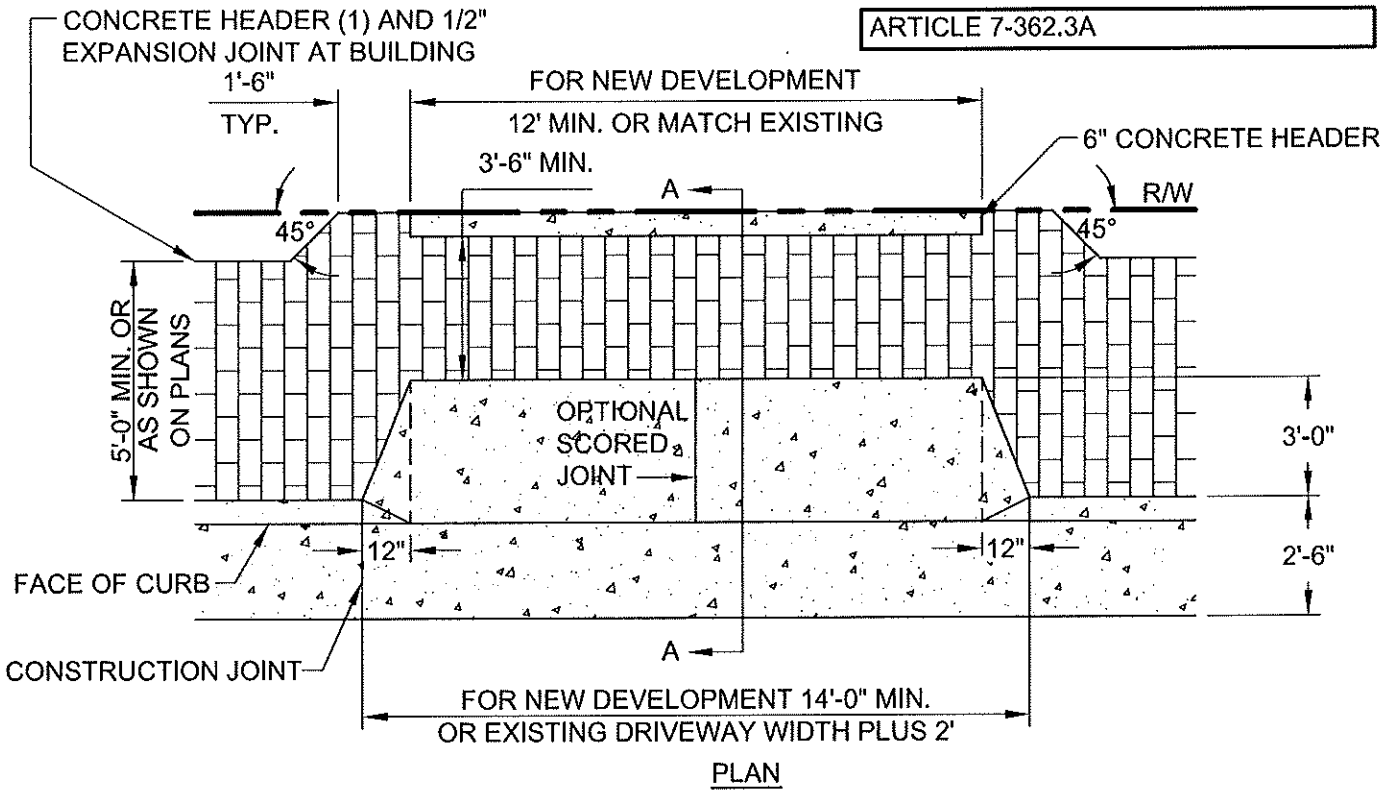
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		
2	02/2013		

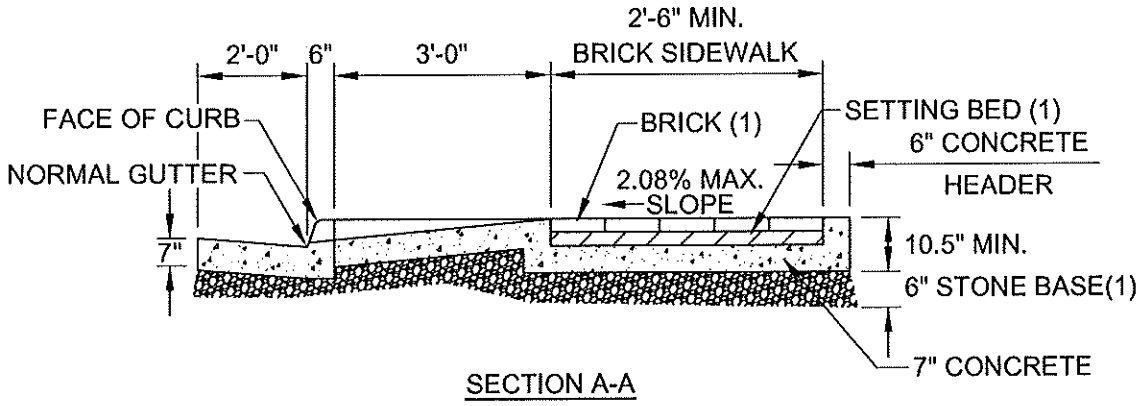
STANDARD COMMERCIAL ENTRANCE WITH BRICK SIDEWALK

DRAWING TS-12C

ARTICLE 7-362.3A



PLAN



SECTION A-A

NOTES:

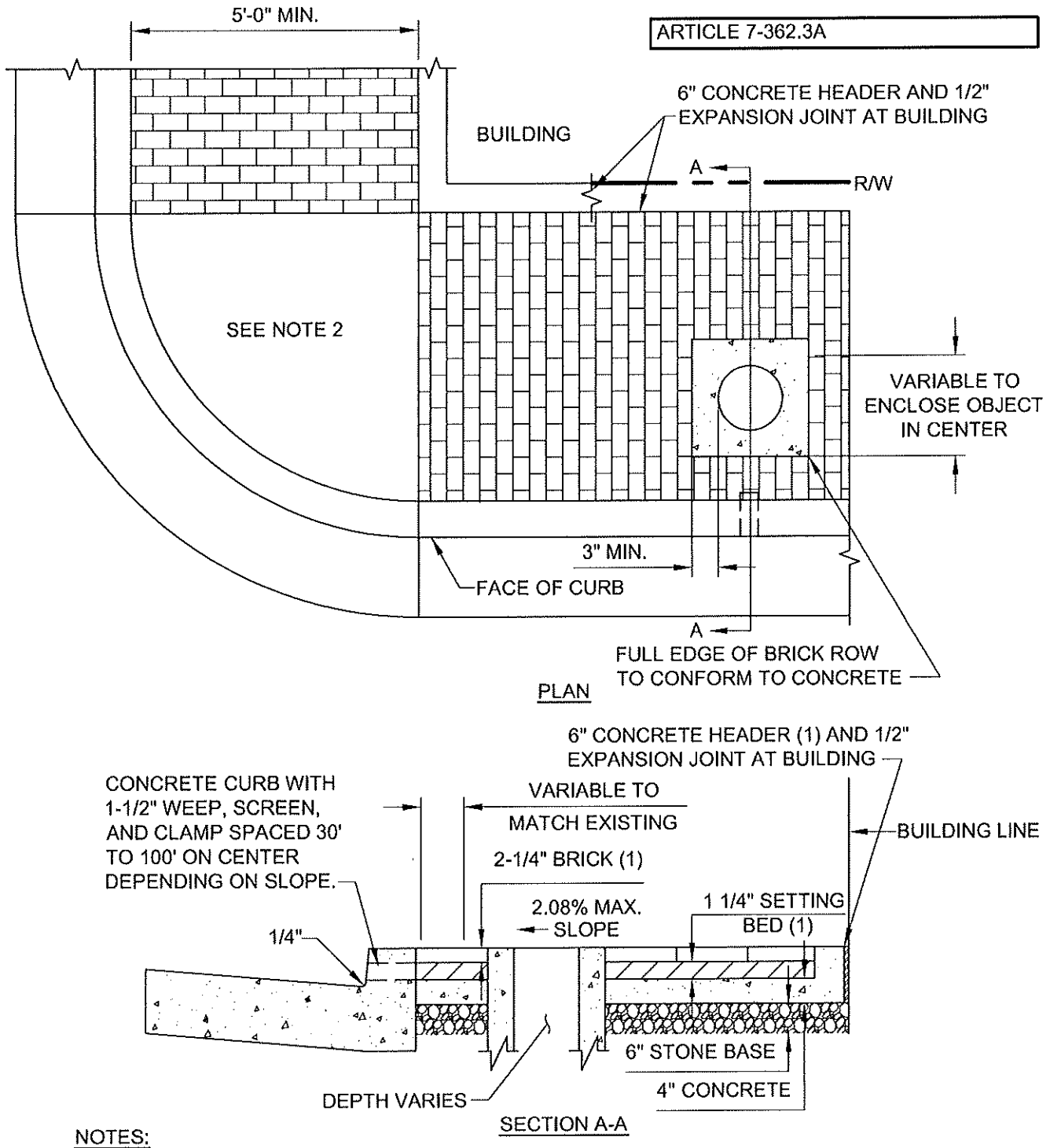
1. SEE DRAWING TS-12F AND TS-12G FOR STANDARD BRICK SIDEWALK SPECIFICATIONS.
2. LOT GRADING PLANS MUST PROVIDE FOR ADEQUATE VEHICULAR CLEARANCE FOR DRIVEWAY APPROACH, DEPARTURE, AND BREAKOVER TRANSITIONS.
3. DRIVEWAY PROFILES ARE REQUIRED WHERE STEEP GRADES (8% OR MORE) ARE PROPOSED.

Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		
2	02/2013		

STANDARD RESIDENTIAL ENTRANCE WITH BRICK SIDEWALK

DRAWING TS-12D



NOTES:

1. SEE DRAWING TS-12F AND TS-12G FOR STANDARD BRICK SIDEWALK SPECIFICATIONS.
2. CURB CUT SHALL CONFORM TO CURRENT VDOT CG-12 SPECIFICATIONS.

Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

STANDARD BRICK SIDEWALK WITH RECTANGULAR SIDEWALK PENETRATION

DRAWING TS-12E

ARTICLE 7-362.3A

A. GENERAL REQUIREMENT

1. THE FINISHED SIDEWALK SURFACE SHALL BE FREE DRAINING AND VERTICALLY EVEN WITHIN 1/4" WHEN TESTED WITH A 6' STRAIGHT EDGE. NO BRICK SHALL PROTRUDE ABOVE, OR BE SET BELOW THE FINISHED SURFACE. THE WALK SHALL SLOPE UNIFORMLY TOWARD THE GUTTER (WHERE APPLICABLE) AT A RATE OF 1/4" PER FOOT.

2. ADJUST TOPS OF UTILITY JUNCTION OR VALVE BOXES TO CONFORM WITH THE FINISHED ELEVATION AND SLOPE OF THE WALK.

B. BRICK REQUIREMENTS

1. BRICK SHALL BE CALVERT GEORGIAN #103.200 MODULAR PAVERS, AS MANUFACTURED BY CUSHWA BRICK INC.

   ANY PROPOSED SUBSTITUTION SHALL BE OF THE SAME COLOR RANGE AS THAT WHICH IS SPECIFIED AND SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM C902-91A FOR BRICK CLASSIFICATION SX, TRAFFIC TYPE II, FOR MOLDED BRICK. DIMENSIONS SHALL BE 3-5/8" X 7-5/8" X 2-1/4" AND VARIATIONS FROM DIMENSIONS SHALL NOT EXCEED ASTM C902 TABLE 4.

2. ALL BRICK FURNISHED SHALL BE NEW.

C. CONCRETE HEADER REQUIREMENTS

A CONCRETE HEADER SHALL BE PLACED ADJACENT TO BUILDINGS IN ORDER TO ACCOMODATE EVEN BRICK PLACEMENT.

1. MINIMUM THICKNESS OF HEADER SHALL BE 6" X 7-1/2" DEPTH.

2. PLACE 1/2" EXPANSION JOINT MATERIAL BETWEEN THE CONCRETE HEADER AND THE FACE OF THE BUILDIING AS SHOWN ON DETAIL TS-12A AND TS-12E.

D. INSTALLATION CONDITIONS

1. DELIVER AND STORE ALL MATERIALS IN SUCH A MANNER AS TO ALLOW ALL PEDESTRIANS AND VEHICLES ACCESS TO DOORWAYS, DRIVEWAYS, WALKWAYS AND SAFETY EQUIPMENT.

2. FOR CONCRETE INSTALLATION, WORK ONLY IN DRY WEATHER. PROTECT EACH SECTION OF WALK (EXPANSION JOINT TO EXPANSION JOINT) FROM PRECIPITATION AND FREEZING, UNTIL COMPLETED.

3. IF POSSIBLE, USE WHOLE AND HALF BRICK THROUGH THE WALK.

4. PROTECT ALL ADJACENT STRUCTURES AND FACILITIES FROM DAMAGE DUE TO MACHINERY, DUST OR SPLASHING.

E. INSTALLATION PROCEDURE FOR SIDEWALKS

1. REMOVE ALL EXISTING WALK, CURB AND SUBSTRATES AS REQUIRED.

2. INSTALLING CURB AND GUTTER.

   a. FORM AND POUR NEW CONCRETE CURB AND GUTTER, INSTALLING WEEPS AS INDICATED ON THE DRAWINGS. CONSTRUCT WEEPS AND SCREENS USING 1-1/2" DIAMETER PIPE AND 1/8" GALVANIZED MESH HARDWARE CLOTH, WEEP HOLES TO BE PLACED 30' TO 100' ON CENTER DEPENDING ON SLOPE OF SIDEWALK. FASTEN SCREEN SECURELY TO WEEP PIPE USING STAINLESS STEEL HOSE CLAMP.

(CONTINUED ON DRAWING TS-12G)

REVISIONS			
NO.	DATE:		
1	03/2010		

STANDARD BRICK SIDEWALK SPECIFICATIONS

3. PREPARE SOIL SUBBASE AND STONE BASE COURSES, GRADED TO DRAIN TOWARD GUTTER.

   a. STONE BASE SHALL BE VDOT TYPE 21-A DENSE GRADED AGGREGATE, A MINIMUM 6" THICK.
   b. PLACE AND LEVEL STONE AND COMPACT TO 95% DENSITY PER ASTM D698, TAKING CARE TO HOLD TO SLOPES SPECIFIED UNDER PARAGRAPH A.1. HEREOF.
   c. TAKE CARE NOT TO DISTURB WEEP HOLES, WEEPS OR SCREENS.

4. FORM AND PLACE CONCRETE BRICK CRADLE.

   a. CRADLE SHALL BE CONSTRUCTED OF A-3 CONCRETE SET TO DIMENSIONS ON DETAILS.
   b. DEPTH OF CRADLE SHALL ALLOW FOR 2-1/4" BRICK AND 1-1/4" OF SETTING BED.

5. SET BRICK ON BEDDING AS INDICATED ON THE DRAWINGS.

   a. CUT BRICK WITH A MOTOR-DRIVEN SAW TO PROVIDE THE PATTERN SHOWN AND TO FIT ADJOINING WORK TIGHTLY.
   b. SET BRICK STRAIGHT, SQUARE AND TIGHT TO ADJACENT BRICK.
   c. SETTING BED SHALL BE #200 FINE AGGREGATE SCREENINGS, AND PLACED TAKING CARE TO HOLD THE SLOPES SPECIFIED.
   d. SWEEP CLEAN #200 FINE AGGREGATE SCREENINGS INTO ALL JOINTS.

6. CLEAN UP ALL SURPLUS MATERIAL, INCLUDING LOOSE SCREENINGS.

F. INSTALLATION PROCEDURE FOR ENTRANCES

1. REMOVE ALL EXISTING WALK, CURB AND SUBSTRATES AS REQUIRED.

2. PREPARE SOIL SUBBASE AND STONE BASE.

   a. STONE BASE SHALL BE VDOT TYPE 21-A DENSE GRADED AGGREGATE, A MINIMUM 6" THICK
   b. PLACE AND LEVEL STONE AND COMPACT TO 95% DENSITY PER ASTM D698.

3. FORM AND PLACE CONCRETE GUTTER, APRON, AND BRICK CRADLE FOR THE ENTRANCE.

   a. CRADLE SHALL BE CONSTRUCTED OF A-3 CONCRETE SET TO DIMENSIONS ON DETAILS.
   b. DEPTH OF CRADLE SHALL ALLOW FOR 2-1/4" BRICK AND 1-1/4" OF SETTING BED.

4. SPREAD SETTING BED.

   a. SETTING BED SHALL BE #200 FINE AGGREGATE SCREENINGS.
   b. SETTING BED SHALL BE PLACED TAKING CARE TO HOLD THE SLOPES SPECIFIED UNDER PARAGRAPH A.1. HEREOF.

5. SET BRICK ON SETTING BED AS INDICATED ON THE DRAWINGS.

   a. CUT BRICK WITH A MOTOR-DRIVEN SAW TO PROVIDE THE PATTERN SHOWN AND TO FIT ADJOINING WORK TIGHTLY.
   b. SET BRICK STRAIGHT, SQUARE AND TIGHT TO ADJACENT BRICK.
   c. SWEEP CLEAN #200 FINE AGGREGATE SCREENINGS INTO ALL JOINTS.

6. CLEAN UP ALL SURPLUS MATERIAL, INCLUDING LOOSE SCREENINGS.

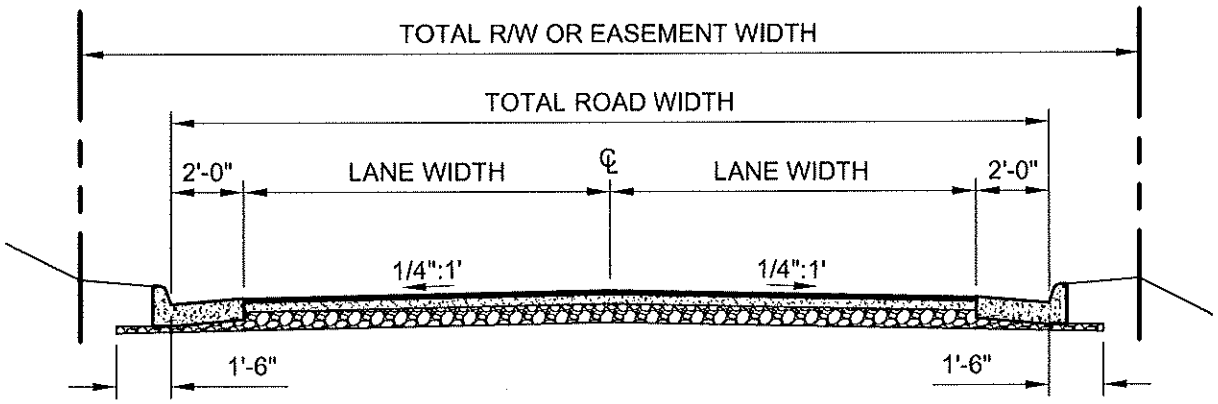
G. DETAILS

THE DIMENSIONS AND PLACEMENT PROCEDURES SHOWN ON THE DETAILS TS-12A THROUGH E ARE FOR ILLUSTRATIVE PURPOSES AND SHOULD BE USED FOR GUIDELINES ONLY. THESE DIMENSIONS MAY BE ADJUSTED ON A CASE-BY-CASE BASIS AS APPROVED BY THE DIRECTOR.

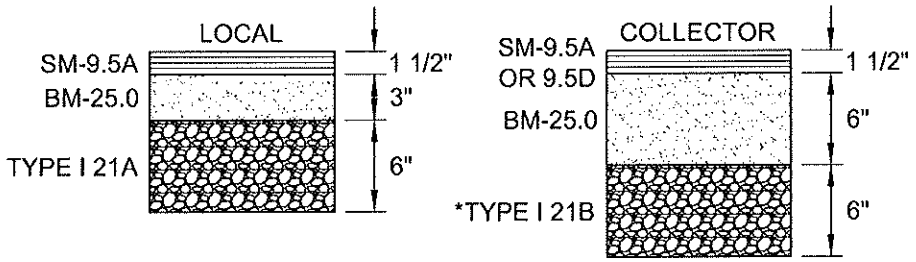
H. WARRANTY

DEVELOPER OR PERMITTING AGENT SHALL BE RESPONSIBLE FOR ONE YEAR AFTER ACCEPTANCE FOR CORRECTING ALL SETTLEMENT WHICH RESULTS IN A SURFACE DEVIATION GREATER THAN 1/4" FROM VERTICALLY EVEN, AND FOR ADJUSTING THE BRICK SURFACE TO ORIGINAL ELEVATIONS.

ARTICLE 7-410.1



TYPICAL STREET SECTION



* STANDARD VDOT UNDERDRAINS ARE REQUIRED WHENEVER 21B IS USED

TYPICAL PAVEMENT SECTIONS

NOTES:

1. THESE ARE MINIMUM SECTIONS TO BE USED WHEN THE CBR TEST RESULT IS GREATER THAN OR EQUAL TO 10. WHEN TEST RESULTS ARE LESS THAN 10, REFER TO ARTICLE 7, SECTION 400 OF THIS MANUAL.

2. ACTUAL CBR VALUES AND FINAL PAVEMENT DESIGNS SHALL BE SUBMITTED TO AND APPROVED BY THE DIRECTOR OF PUBLIC WORKS PRIOR TO CONSTRUCTION.

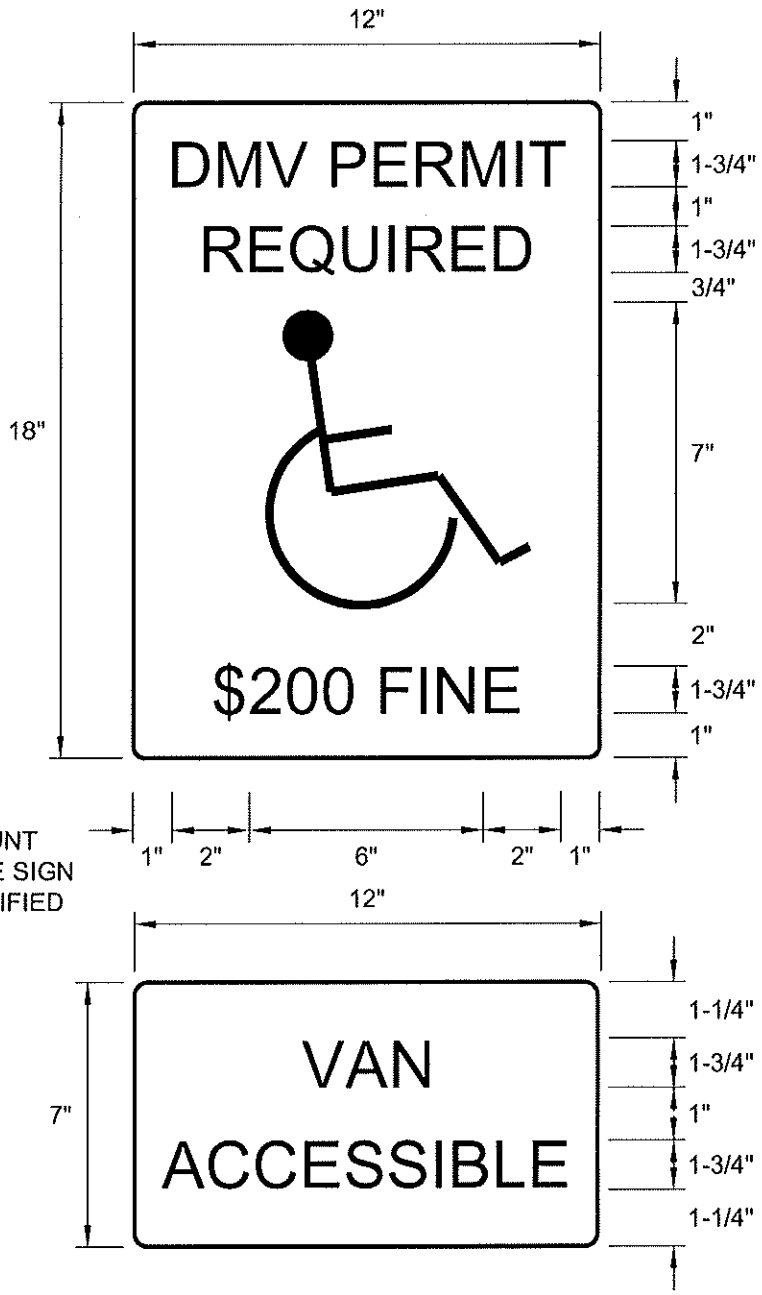
3. USE SM-9.5A WHEN VPD<10,000. USE SM-9.5D WHEN VPD>10,000.

REVISIONS			
NO.	DATE:		
1	03/2010		

TYPICAL STREET SECTION

DRAWING TS-13

ARTICLE 7-520.1



NOTE:
THE DOLLAR AMOUNT DISPLAYED ON THE SIGN SHALL BE AS SPECIFIED IN TOWN CODE.

NOTES:

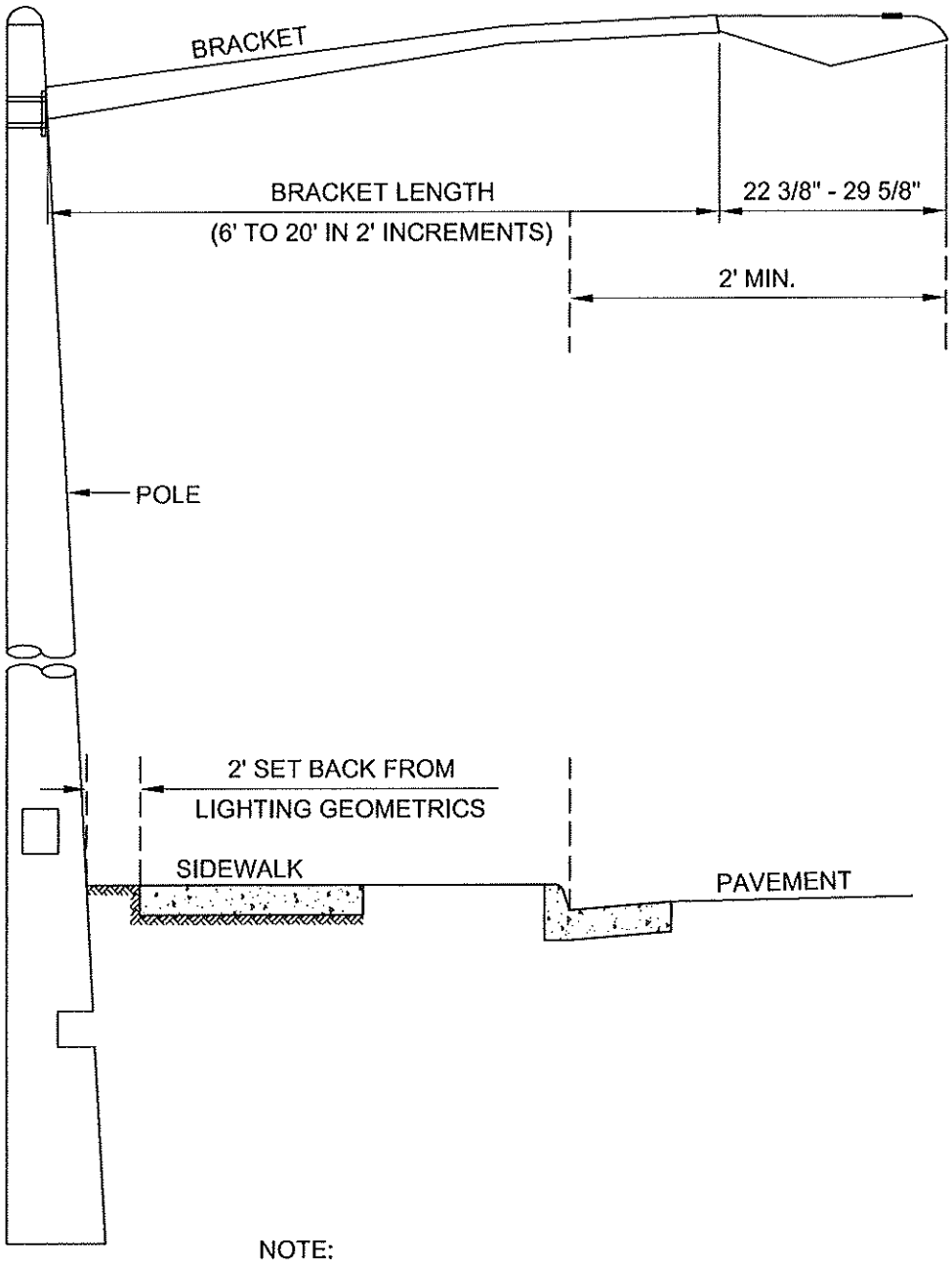
1. "VAN ACCESSIBLE" SIGNS SHALL BE PROVIDED IN ADDITION TO AND BELOW THE ABOVE ACCESSIBLE SIGN WHEN ADJACENT TO 8' WIDE ACCESS AISLE.
2. ALL SIGNAGE TO BE INSTALLED PER CURRENT ADA REGULATIONS.
3. ALL SIGNAGE TO BE POSTED AT A HEIGHT OF NO LESS THAN 42" AND NO MORE THAN 72".

REVISIONS	
NO.	DATE:
1	03/2010

HANDICAPPED PARKING AND VAN ACCESSIBLE SIGN

DRAWING TS-14

ARTICLE 7-610.4, 7-620.3, 7-650.1



NOTE:

1. THE DEVELOPER IS RESPONSIBLE FOR DETERMINATION OF THE APPLICABLE ELECTRICAL SERVICE COMPANY.

Not To Scale

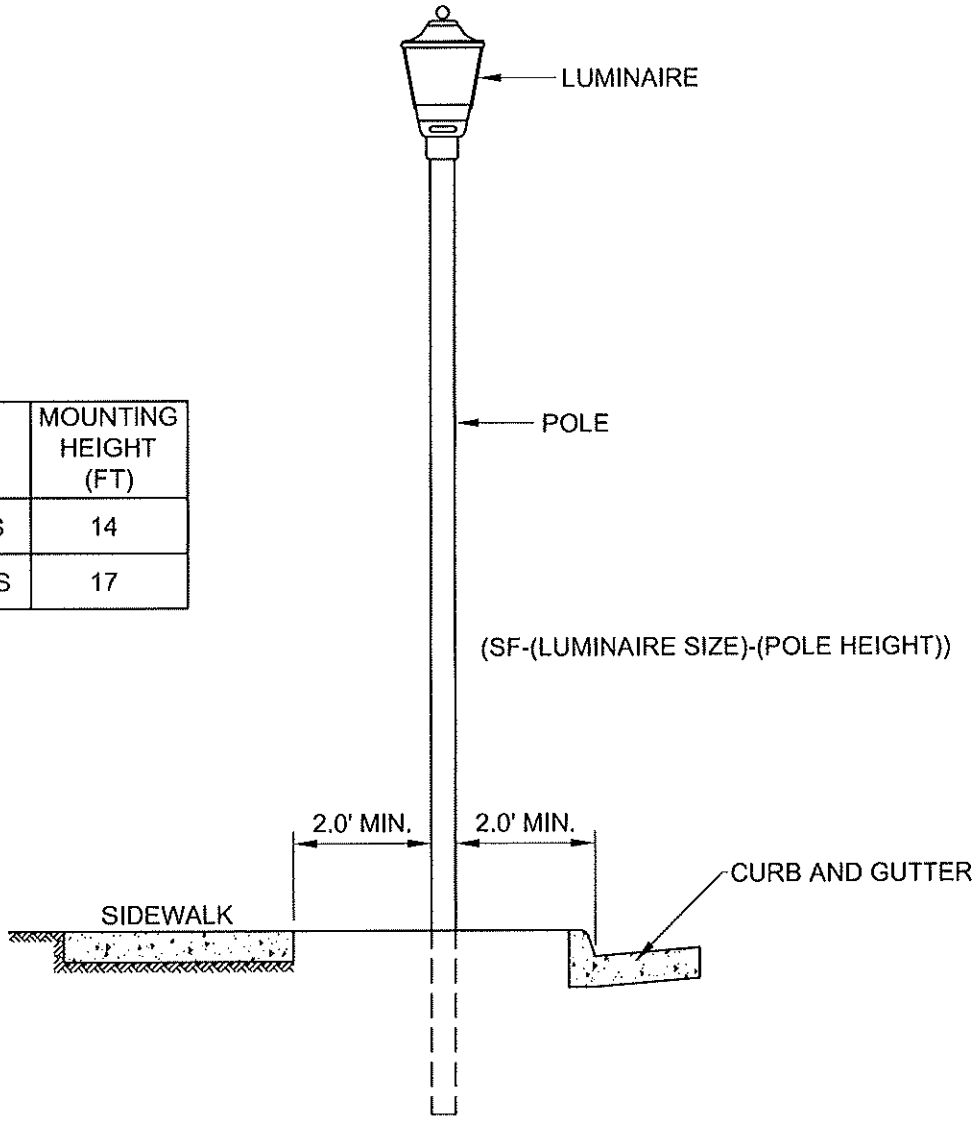
REVISIONS			
NO.	DATE:		
1	03/2010		

STANDARD ROADWAY FIXTURE

DRAWING TS-15

ARTICLE 7-610.4, 7-620.4

LUMINAIRE	MOUNTING HEIGHT (FT)
8000 LUMENS	14
14000 LUMENS	17



NOTE:

1. THE DEVELOPER IS RESPONSIBLE FOR DETERMINATION OF THE APPLICABLE ELECTRICAL SERVICE COMPANY.

Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

SECURITY LIGHTING FIXTURE

DRAWING TS-16

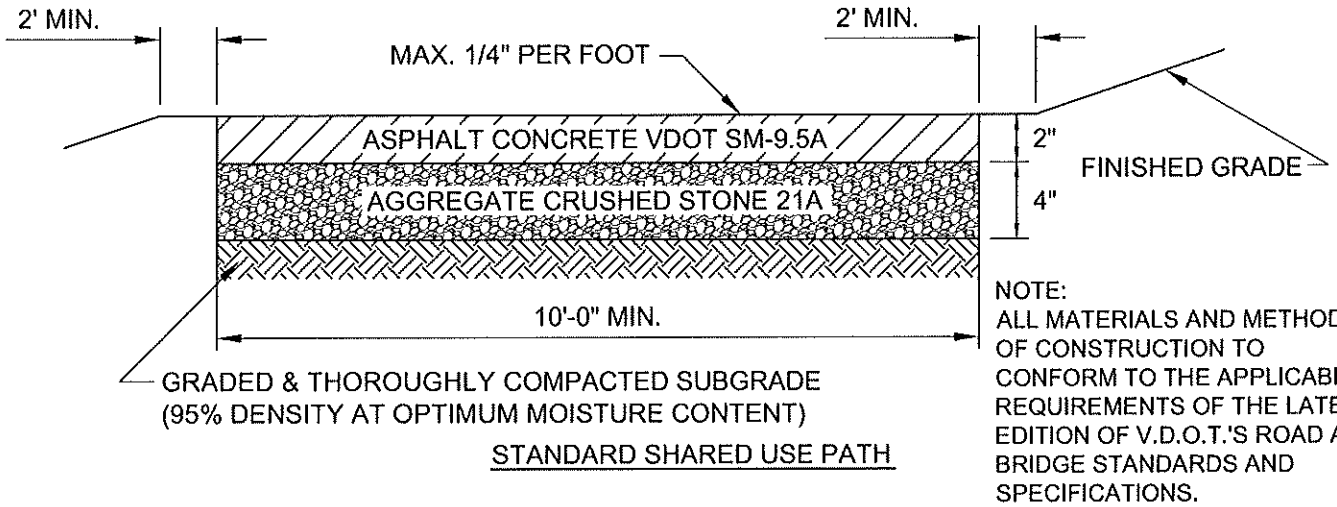
ARTICLE

THIS PAGE INTENTIONALLY LEFT BLANK

REVISIONS			
NO.	DATE:		
1	03/2010		

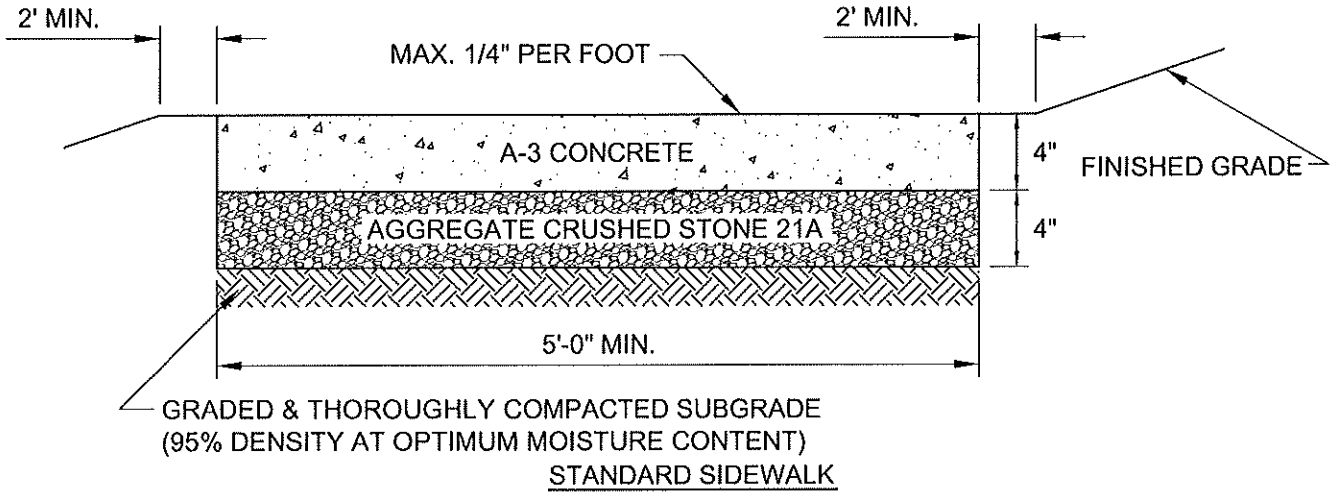
THIS PAGE INTENTIONALLY LEFT BLANK

ARTICLE 7-710.1F, 7-720.2A



STANDARD SHARED USE PATH

NOTE:
ALL MATERIALS AND METHODS OF CONSTRUCTION TO CONFORM TO THE APPLICABLE REQUIREMENTS OF THE LATEST EDITION OF V.D.O.T.'S ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS.



STANDARD SIDEWALK

NOTES FOR SHARED USE PATHS

WIDTH:	FOR PEDESTRIAN AND BIKE SHARED USE PATHS OUTSIDE RIGHT-OF-WAY:	
	EASEMENT:	16 FOOT MINIMUM
	PAVEMENT:	10 FOOT MINIMUM
SURFACE:	HARD SURFACED, ASPHALT OR CONCRETE	
GRADE:	PEDESTRIAN	10 PERCENT MAXIMUM
	BIKE	5-8 PERCENT, UP TO 10 PERCENT FOR DISTANCES OF 150 FEET OR LESS.
VERTICAL CLEARANCE:	PEDESTRIAN	8 FEET
	BIKE	10 FEET
DESIGN FEATURES:	APPROPRIATE LIGHTING AND SIGNS; LANDSCAPING, BUFFERING AND DRAINAGE MEASURES, GUARDRAIL, BRIDGE AND TUNNEL STRUCTURES WHERE REQUIRED, AND CONSIDERATIONS FOR SECURITY.	

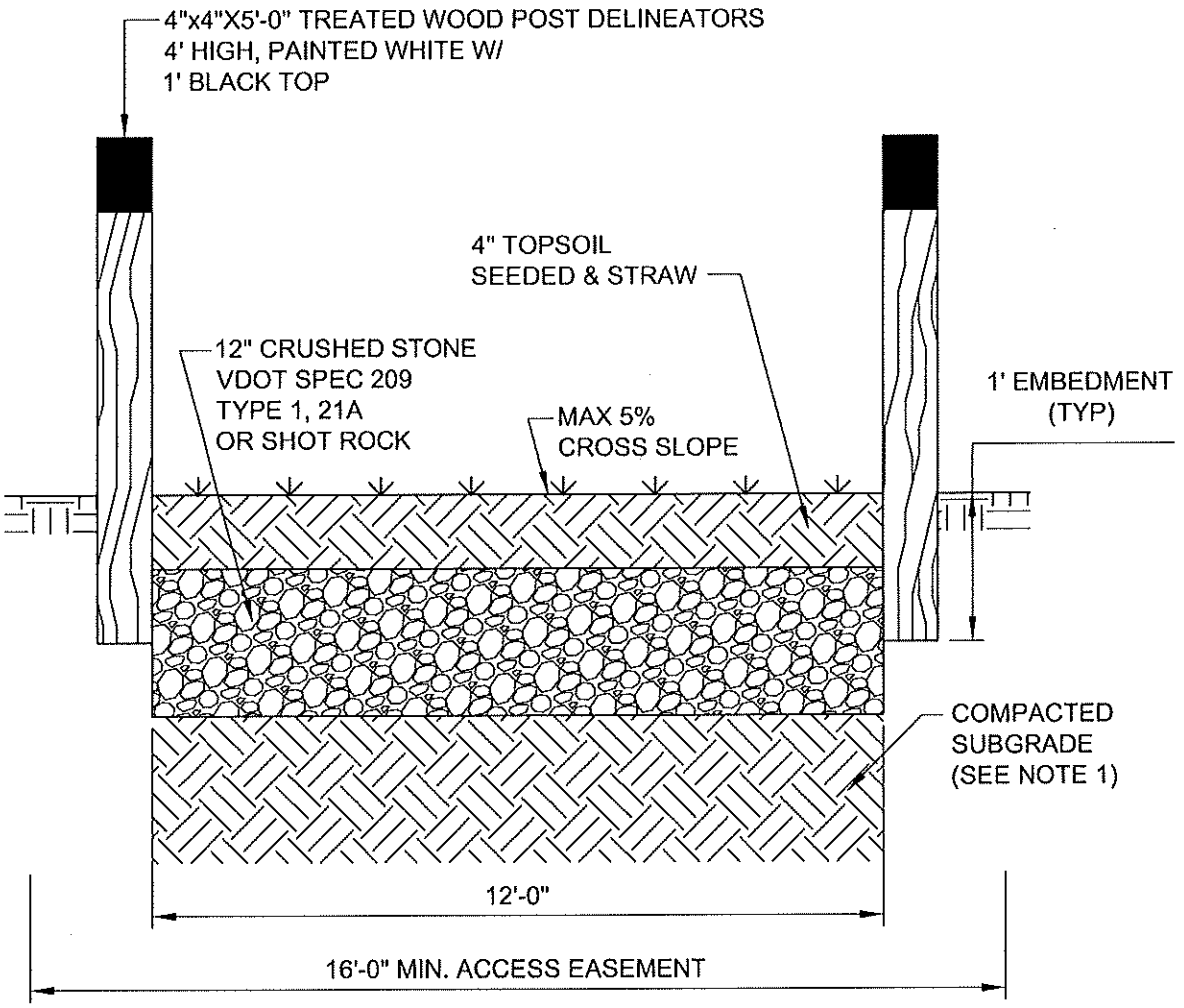
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

SHARED USE PATH AND SIDEWALK TYPICAL SECTION

DRAWING TS-18

ARTICLE 7-365



NOTES:

1. SUBGRADE SHALL BE COMPACTED TO MINIMUM 95% DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE WITH LATEST REQUIREMENTS OF AASHTO.
2. MAXIMUM LONGITUDINAL GRADE SHALL BE 15%.
3. SPACING OF DELINEATORS WILL BE CONSIDERED ON A CASE BY CASE BASIS DEPENDING ON LOCATION.
4. MAXIMUM WIDTH MAY BE ADJUSTED TO ACCOMODATE TURNING MOVEMENTS AND SPECIALTY VEHICLES.

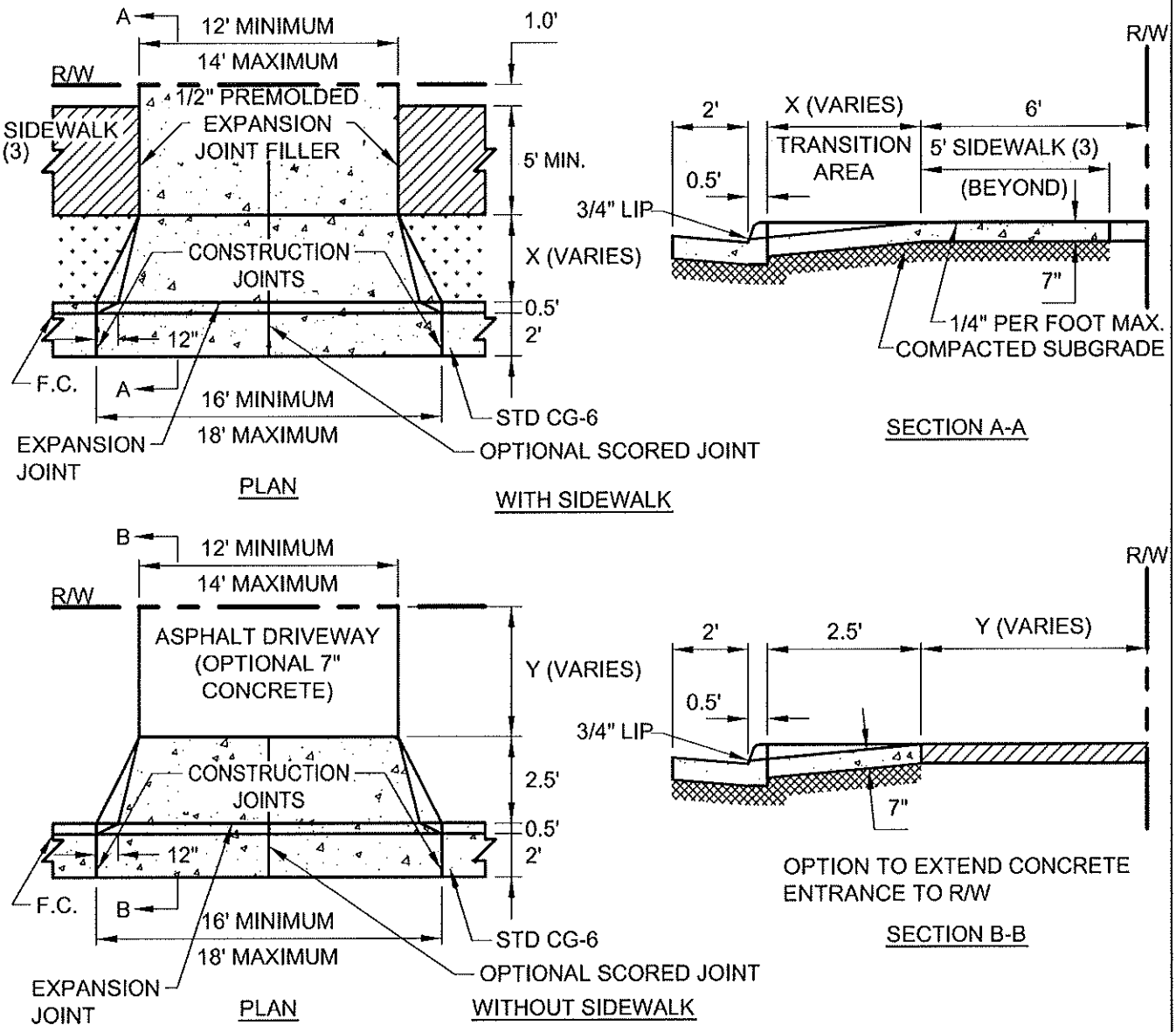
Not To Scale

REVISIONS			
NO.	DATE:		
NEW	03/2010		

MAINTENANCE ACCESS ROAD TYPICAL SECTION

DRAWING TS-19

ARTICLE 7-362.2A, 7-364.3B



NOTES:

1. GRADING PLANS MUST PROVIDE FOR ADEQUATE VEHICULAR CLEARANCE FOR DRIVEWAY APPROACH, DEPARTURE, AND BREAKOVER TRANSITIONS.

2. DRIVEWAY PROFILES ARE REQUIRED WHERE STEEP DRIVEWAY GRADES EXCEEDING 8% ARE PROPOSED

3. SIDEWALKS WITHIN THE HISTORICAL DISTRICT SHALL BE BRICK CONSTRUCTION.

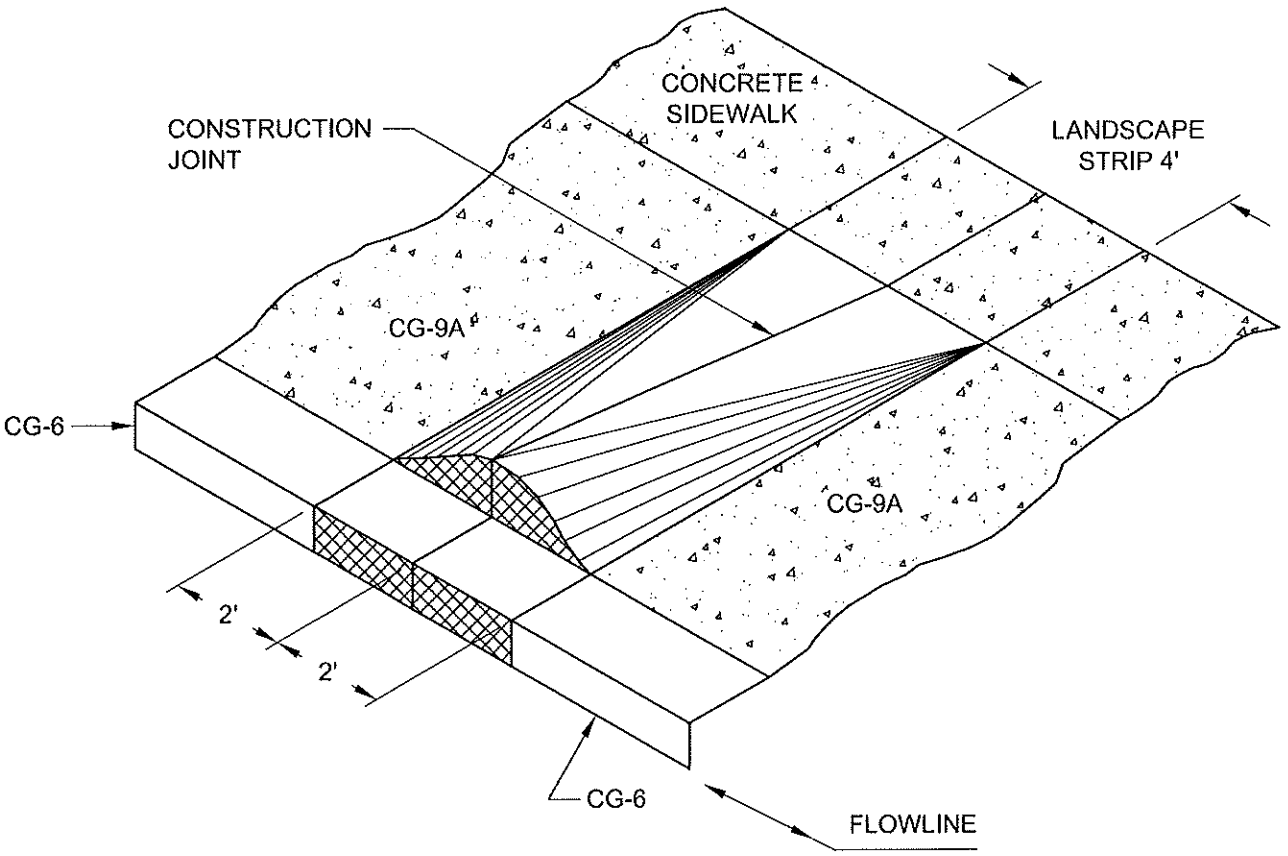
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

PRIVATE DRIVEWAY ENTRANCE - STREETS WITH CURB AND GUTTER

DRAWING TS-20

ARTICLE 7-361.4



NOTES:

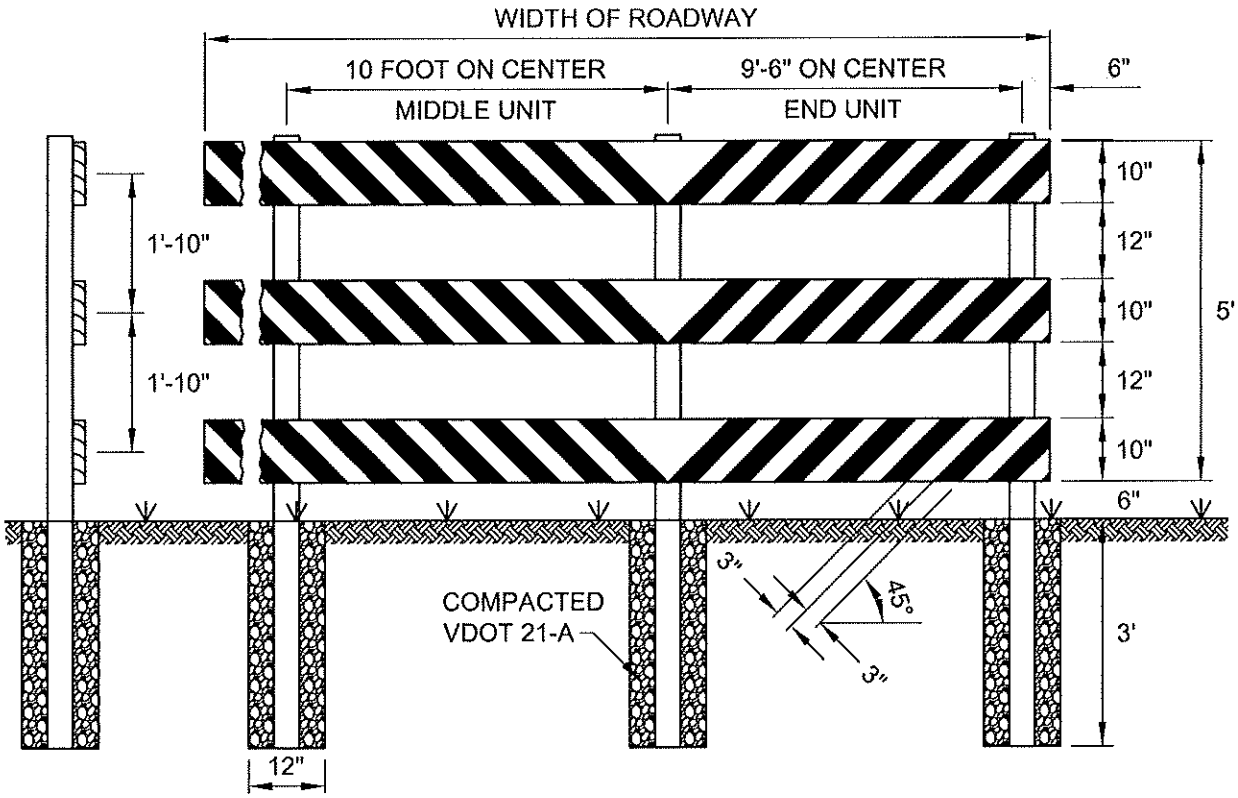
1. THE RAISED AREA BETWEEN THE APRONS AND SIDEWALK MUST BE CONCRETE POURED MONOLITHICALLY WITH APRONS.

2. ALL CONCRETE SHALL BE V.D.O.T. CLASS A-3

Not To Scale

REVISIONS				**DRIVEWAY APRON**	DRAWING TS-21
NO.	DATE:				
1	03/2010				PAGE 103

ARTICLE 7-310.15



NOTES:

1. LUMBER DIMENSIONS ARE NOMINAL SIZES, 2" X 10" BOARDS, 4" X 4" POSTS.
2. PLANKS TO BE FASTENED TO THE POSTS USING 2-3/8" X 6-1/2" CARRIAGE BOLTS TO BE PLACED NO CLOSER THAN 2" FROM THE EDGE OF THE PLANKS.
3. PLANKS SHALL BE PAINTED IN ALTERNATING STRIPES WITH REFLECTORIZED RED AND WHITE PAINT. THE REFLECTORIZED AREA SHALL HAVE A SMOOTH SEALED OUTER SURFACE.

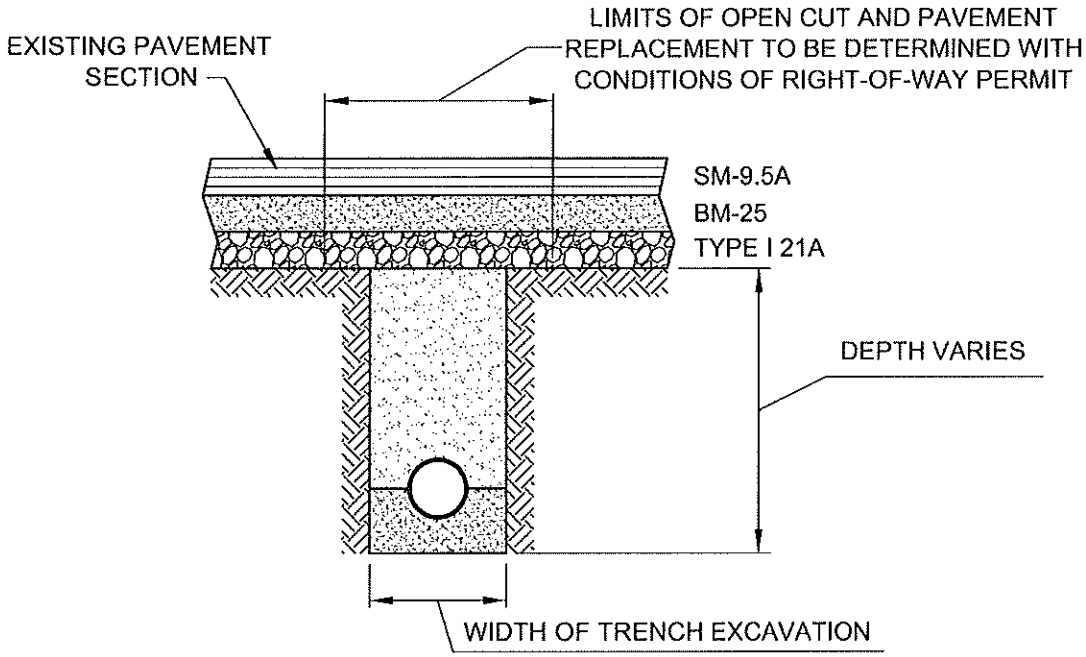
Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

TRAFFIC BARRICADE

DRAWING TS-22

ARTICLE 7-440



NOTES:

1. THE CONTRACTOR SHALL REPLACE THE OPEN CUT WITH A MINIMUM TOP COURSE, 1 1/2" V.D.O.T. SM-9.5A, BASE COURSE, 3" V.D.O.T. BM-25, AND SUBBASE, 6" V.D.O.T. TYPE I 21A, OR THE EXISTING PAVEMENT SECTION, WHICHEVER PROVIDES THE MAXIMUM THICKNESS INDEX AS DETERMINED BY THE VASWANI METHOD.

2. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE AS SPECIFIED BY THE DIRECTOR OF PUBLIC WORKS OR DESIGNEE.

3. ALL EXPOSED EDGES OF EXISTING BITUMINOUS SURFACE COURSE SHALL BE SAW CUT AND PRIMED WITH A MATERIAL SATISFACTORY TO THE DIRECTOR BEFORE THE BITUMINOUS MIXTURES ARE REPLACED.

4. THE BACKFILL IN THE TRENCH SHALL BE SUITABLE AS DEFINED IN ARTICLE 9, AND SHALL BE THOROUGHLY COMPACTED IN 6-INCH LAYERS BY TAMPING OR BY OTHER APPROVED METHOD BEFORE THE OPENING IS PAVED. NO EXCAVATIONS OR CAVE-INS UNDER THE EXISTING PAVEMENT WILL BE PERMITTED, AND NO BELLYING OF THE TRENCHES WILL BE PERMITTED. SHEETING OR SHORING SHALL BE USED WHEN REQUIRED BY THE DEPTH OF THE TRENCH OR TYPE OF MATERIAL IN ACCORDANCE WITH VIRGINIA O.S.H.A. STANDARDS.

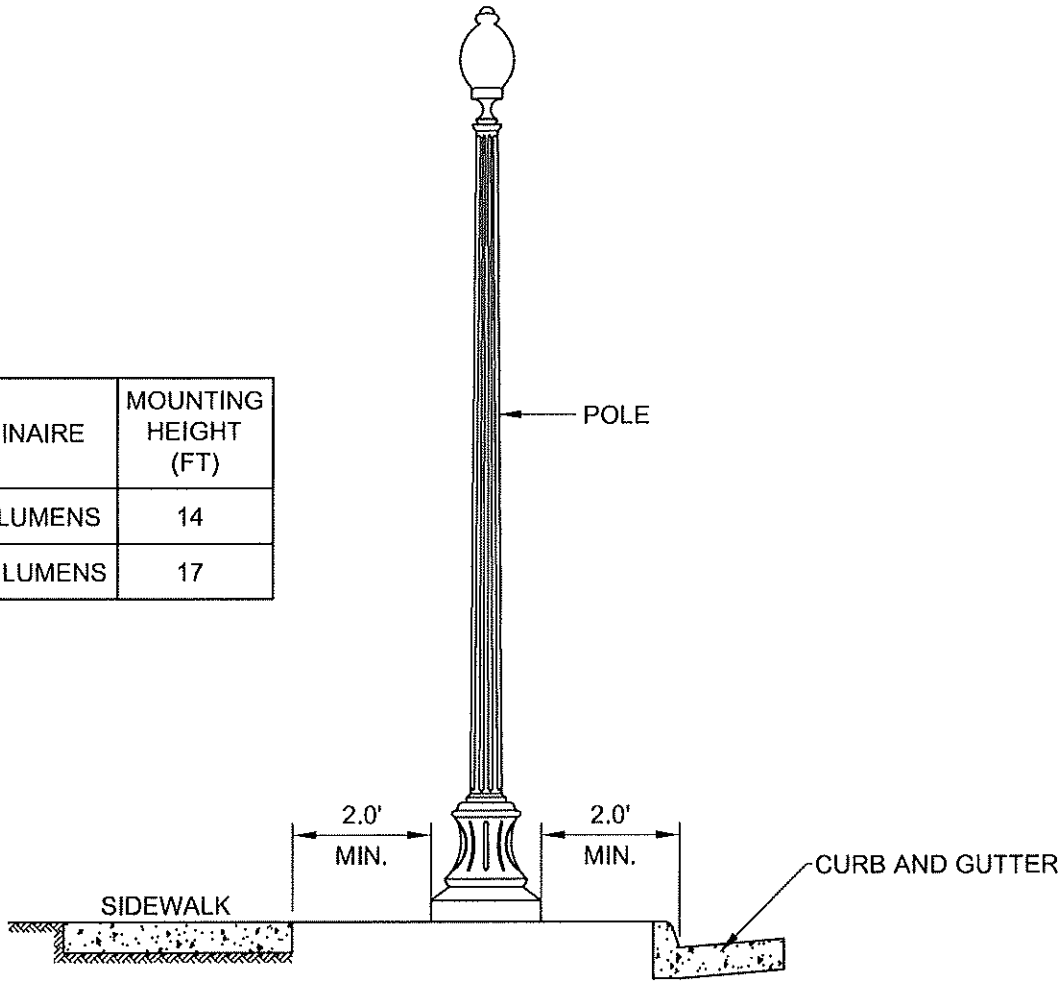
5. SURFACE TO BE REPLACED AS STIPULATED ON R.O.W. PERMIT.

Not To Scale

REVISIONS					
NO.	DATE:			**PAVEMENT PATCH**	DRAWING TS-23
1	03/2010				
					PAGE 105

ARTICLE 7-620.4

LUMINAIRE	MOUNTING HEIGHT (FT)
8000 LUMENS	14
14000 LUMENS	17



NOTE:

1. THE DEVELOPER IS RESPONSIBLE FOR DETERMINATION OF THE APPLICABLE ELECTRICAL SERVICE COMPANY.

Not To Scale

REVISIONS			
NO.	DATE:		
1	03/2010		

ACORN LIGHTING FIXTURE

DRAWING TS-24