

MINIMUM 6" COMPACTED
VDDOT 21A STONE BASE

THE BOTTOM OF THE CURB AND
GUTTER MAY BE CONSTRUCTED
PARALLEL TO THE SLOPE OF
SUBBASE COURSES PROVIDED
A MINIMUM DEPTH OF 6" IS
MAINTAINED.

NOTES :

1. CONCRETE TO BE CLASS 3A
2. FOR USE WITH STABILIZED OPEN-GRADED DRAINAGE LAYER THE BOTTOM OF THE CURB AND GUTTER SHALL BE CONSTRUCTED PARALLEL TO THE SLOPE OF SUBBASE COURSES. AND TO THE DEPTH OF THE PAVEMENT..

SCALE: N.T.S.

ISSUED: 1/16/15

REVISION: 1.0

REVISION:

APPROVED: MW/MC

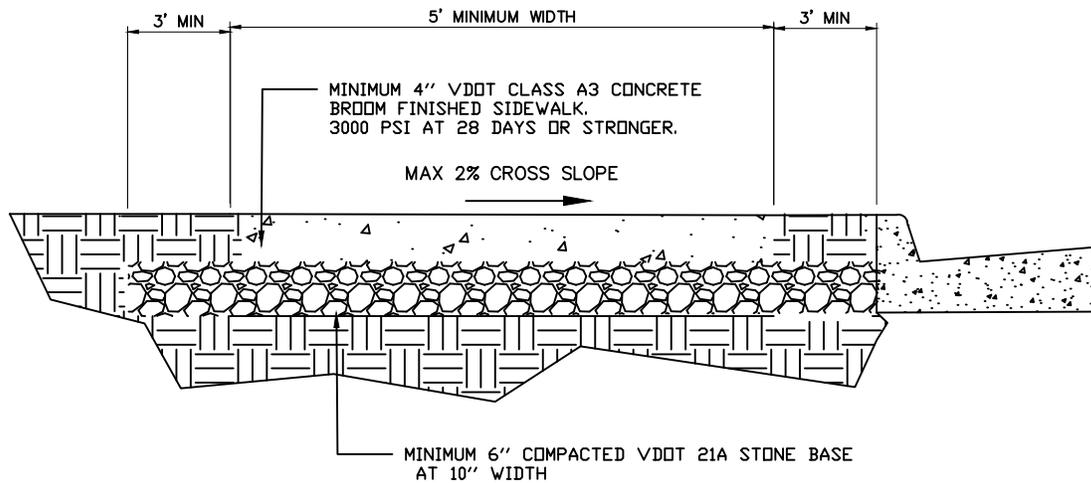


STANDARD DETAIL
COMBINATION 6" CURB & GUTTER

DRAWING NO.

201

CITY OF FALLS CHURCH VA PUBLIC WORKS



NOTES :

1. IF SIDEWALK IS ADJACENT TO CURB, SIDEWALK WIDTH SHALL BE 6 FEET.
2. SIDEWALKS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES AND THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE.

SCALE: N.T.S.

ISSUED: 1/16/15

REVISION: 1.0

REVISION:

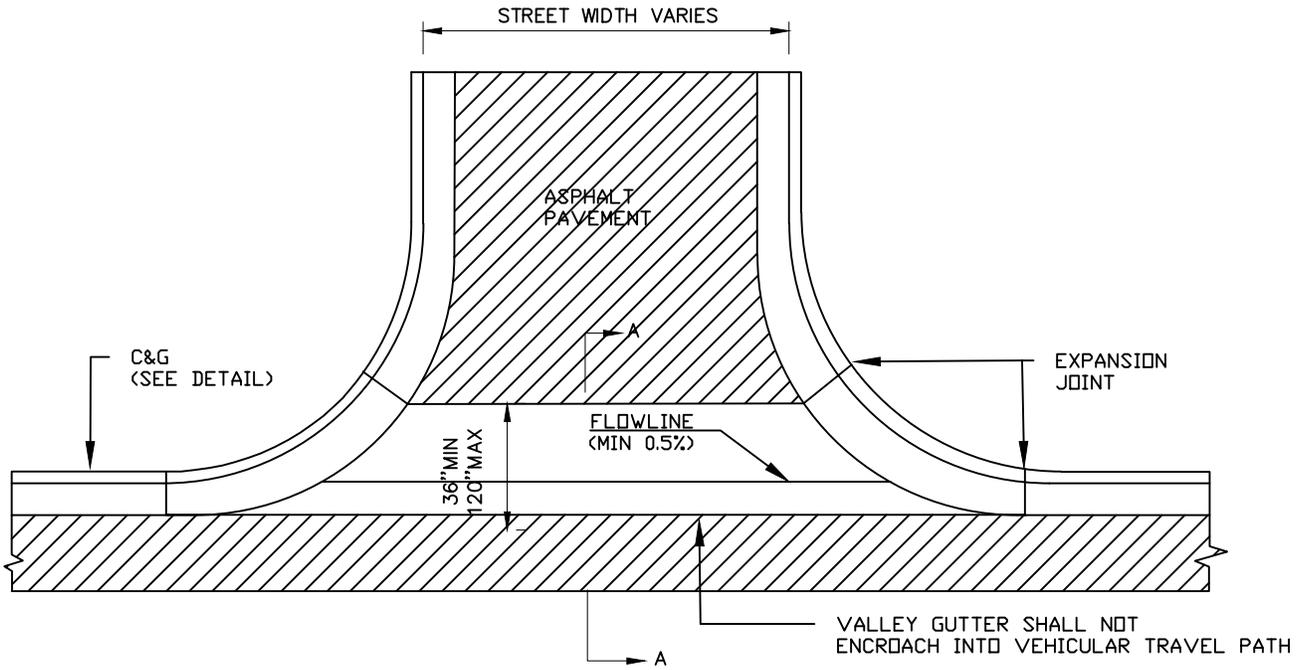
APPROVED: MW/MC



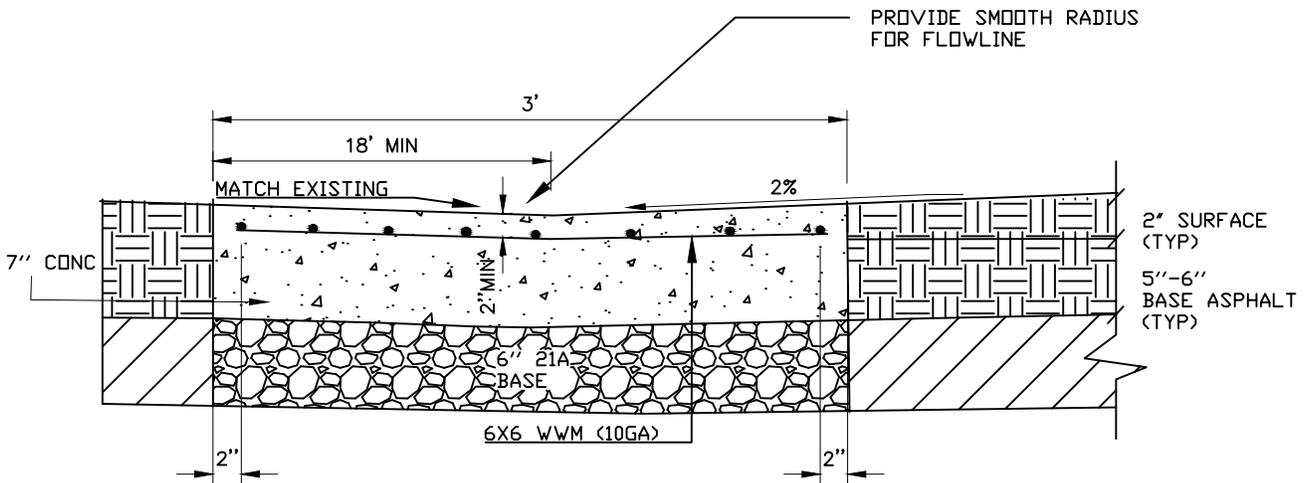
STANDARD DETAIL
SIDEWALK DETAIL

DRAWING NO.

202



PLAN



CROSS SECTION AA

NOTES

1. PLACE PREMOULDED FILLER AGAINST VERTICAL FACE WHERE VALLEY GUTTER ABUTS CONCRETE.
2. ALL PORTIONS OF VALLEY GUTTER WITHIN CROSSWALKS SHALL COMPLY WITH RELEVANT ADA STANDARDS
3. CONCRETE SHOULD BE 4000 PSI

SCALE: N.T.S.

ISSUED: 7/7/15

REVISION: 1.0

REVISION:

APPROVED: MW/MC

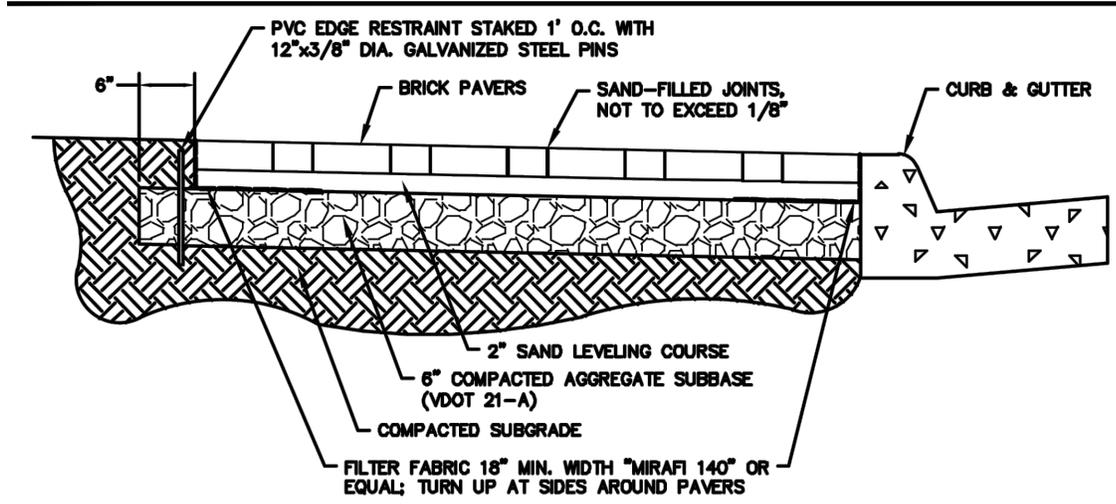


STANDARD DETAIL
VALLEY GUTTER

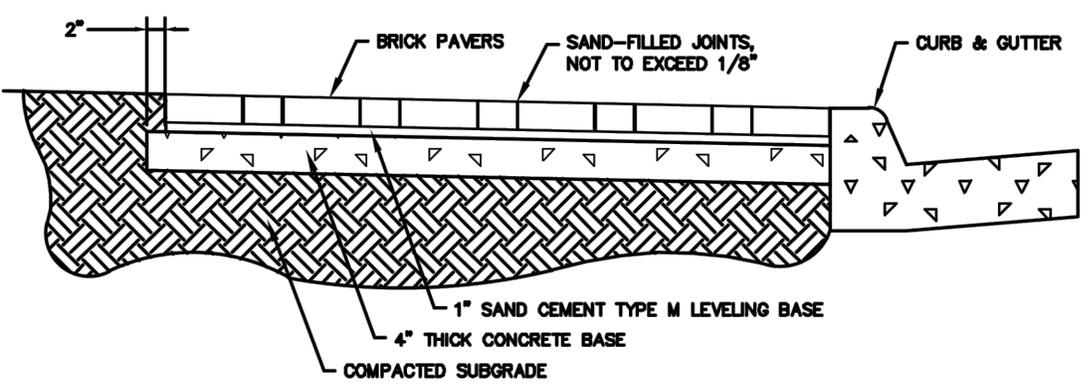
DRAWING NO.

203

CITY OF FALLS CHURCH VA PUBLIC WORKS



VERSION A – BRICK PAVERS OVER SAND



VERSION B – BRICK PAVERS OVER CONCRETE

- NOTES:**
1. CONTRACTOR TO SELECT BRICK PAVER SECTION VERSION A OR B TO BEST MATCH EXISTING SECTION AT EACH SITE LOCATION.
 2. ALL BRICK SHALL MEET ASTM SPECIFICATION C-902-78 AND ALL CITY OF FALLS CHURCH SPECIFICATIONS. PAVER COLOR SHALL BE 'MEDIUM RED VELOUR' AS PROVIDED BY MANUFACTURER YANKEE HILL.

SCALE: 1"=1'

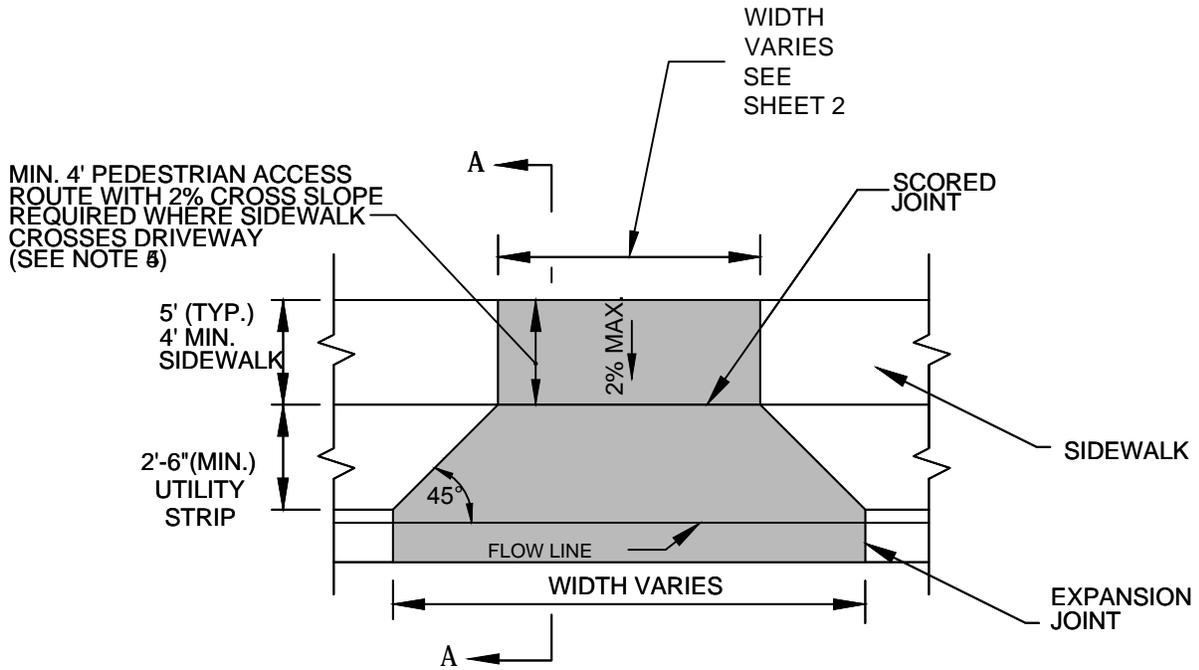
ISSUED:	2/11/16
REVISION:	1.0
REVISION:	
APPROVED:	MW/MC



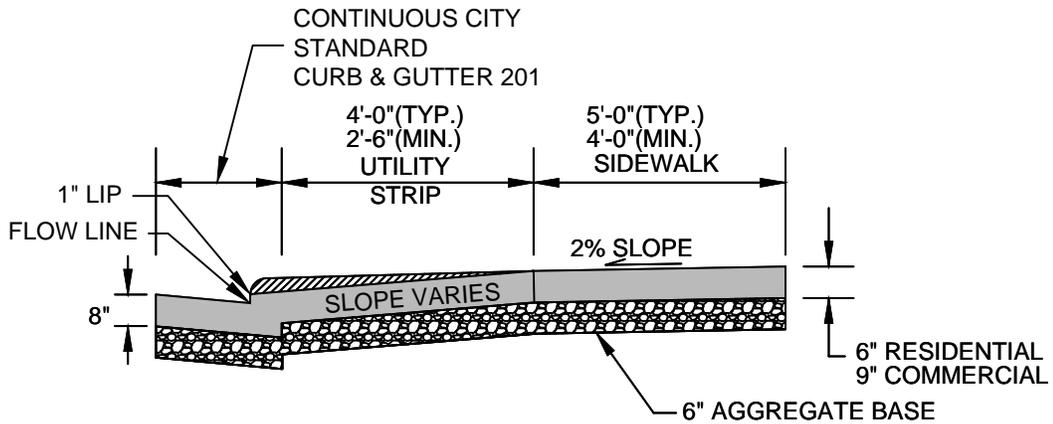
STANDARD DETAIL
BRICK PAVER SIDEWALK DETAIL

DRAWING NO.	204
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PLOTTED: \$DATE\$ FILE: \$FILE\$



PLAN VIEW



SECTION A-A

SCALE: N.T.S.

ISSUED: 6/20/16

REVISION: 1.0

REVISION:

APPROVED: MW/MC



STANDARD DETAIL
CONCRETE DRIVEWAY ENTRANCE

DRAWING NO.

205

SHEET 1 OF 2

NOTES:

1. WHEN DRIVEWAY WIDTH EXCEEDS 16' A 3/4" MIN. DEPTH SCORED JOINT SHALL BE PLACED ON CENTERLINE OF DRIVEWAY ENTRANCE OR EVERY 10'.
2. CONCRETE DRIVEWAY ENTRANCE SHALL BE POURED MONOLITHICALLY.
3. PROVIDE 6" MINIMUM AGGREGATE BASE HAVING MINIMUM CBR-30 UNDER DRIVEWAY ENTRANCE.
4. OWNER SHALL DEDICATE ALL PERMANENT EASEMENTS NECESSARY TO PROVIDE ADA COMPLIANT DRIVEWAY ENTRANCE AND SIDEWALK IF EXISTING OR PROPOSED SIDEWALK INTERSECTS DRIVEWAY.

RESIDENTIAL AND MULTIFAMILY

DRIVEWAY WIDTHS

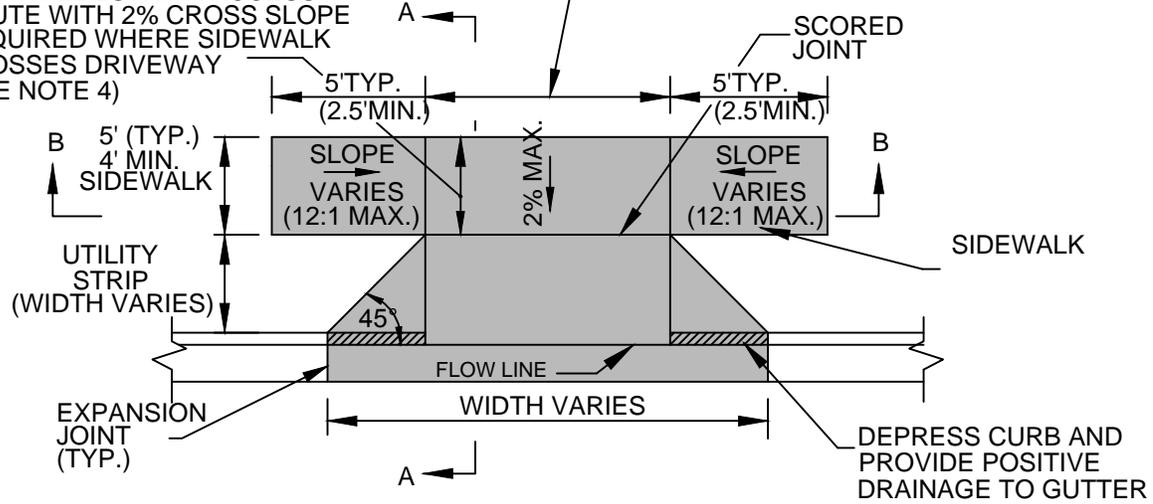
	MINIMUM	MAXIMUM
SINGLE FAMILY - ONE ENTRANCE	N/A	16'
SINGLE FAMILY - TWO ENTRANCES	N/A	10'
MULTI FAMILY/ COMMERCIAL (ONE WAY)	14'	20'
MULTI FAMILY/ COMMERCIAL (TWO WAY)	20'	30'

SCALE: N.T.S.

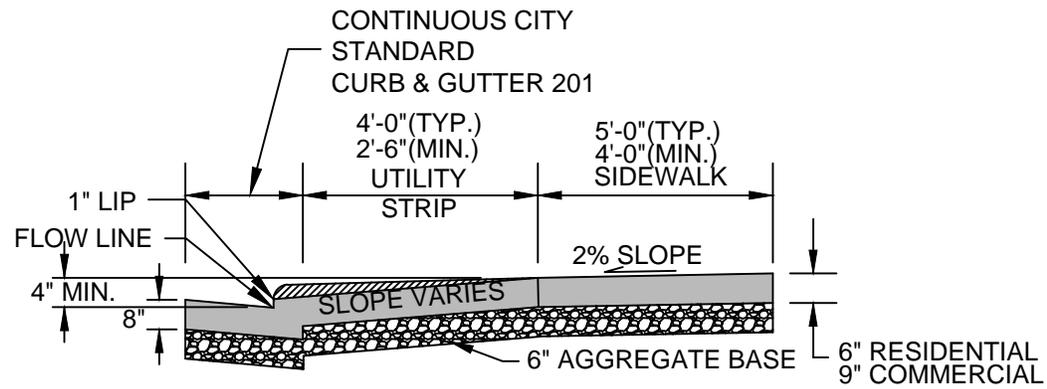
ISSUED: 6/20/16		<p>STANDARD DETAIL CONCRETE DRIVEWAY ENTRANCE</p>	DRAWING NO.
REVISION: 1.0			205
REVISION:			
APPROVED: MW/MC			SHEET 2 OF 2

CITY OF FALLS CHURCH VA PUBLIC WORKS

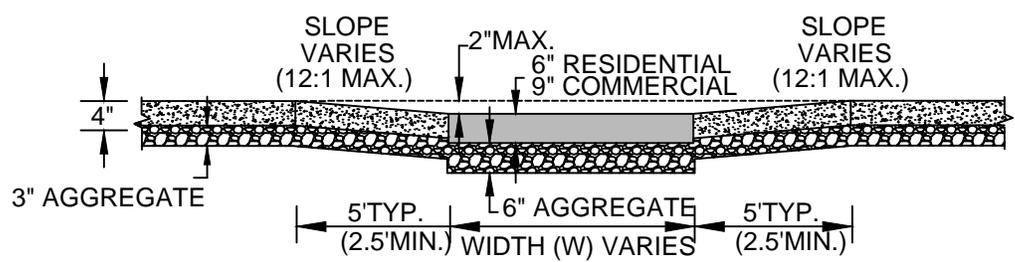
MIN. 4' PEDESTRIAN ACCESS ROUTE WITH 2% CROSS SLOPE REQUIRED WHERE SIDEWALK CROSSES DRIVEWAY (SEE NOTE 4)



PLAN VIEW



SECTION A-A



SECTION B-B

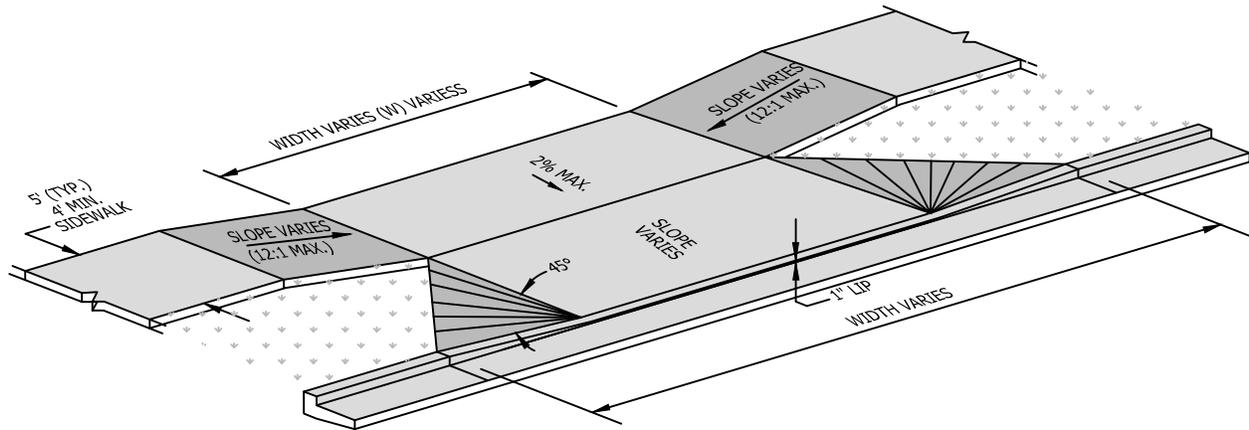
SCALE: N.T.S.

ISSUED:	6/20/16
REVISION:	1.0
REVISION:	
APPROVED:	MW/MC



STANDARD DETAIL
DEPRESSED SIDEWALK
DRIVEWAY ENTRANCE

DRAWING NO.	206
SHEET 1 OF 2	



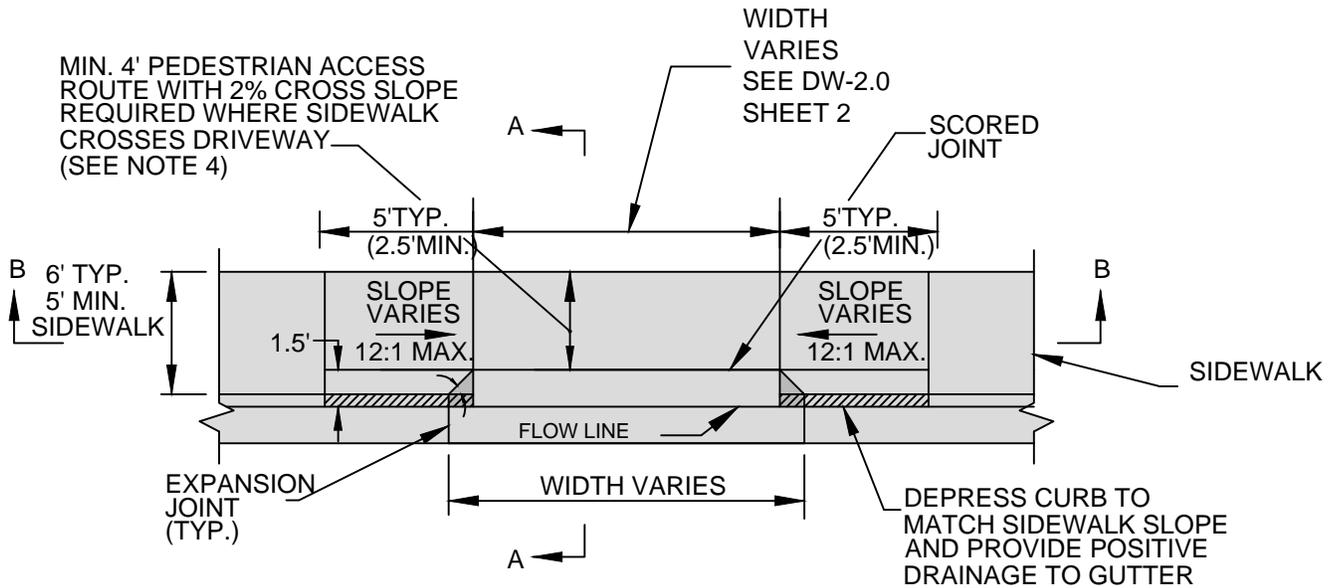
NOTES:

1. WHEN DRIVEWAY WIDTH EXCEEDS 16' A 3/4" MIN. DEPTH SCORED JOINT SHALL BE PLACED ON CENTERLINE OF DRIVEWAY ENTRANCE OR EVERY 10'.
2. CONCRETE DRIVEWAY ENTRANCE SHALL BE POURED MONOLITHICALLY.
3. PROVIDE 6" MINIMUM AGGREGATE BASE HAVING MINIMUM CBR-30 UNDER DRIVEWAY ENTRANCE.
4. OWNER SHALL DEDICATE ALL PERMANENT EASEMENTS NECESSARY TO PROVIDE ADA COMPLIANT DRIVEWAY ENTRANCE AND SIDEWALK IF EXISTING OR PROPOSED SIDEWALK INTERSECTS DRIVEWAY.
5. OWNER/DEVELOPER SHALL SUBMIT HYDRAULIC CALCULATIONS TO VERIFY THAT 10 YR. STORM RUNOFF WILL BE RETAINED WITHIN THE GUTTER AND WILL NOT OVERTOP DEPRESSED DRIVEWAY/PEDESTRIAN ACCESS ROUTE. OVERLAND RELIEF AWAY FROM STRUCTURES SHALL BE DEMONSTRATED FOR STORMS IN EXCESS OF 10 YRS.
6. DETAIL 206 SHALL ONLY BE USED WHEN 205 WOULD INHIBIT VEHICULAR USE OF THE DRIVEWAY.

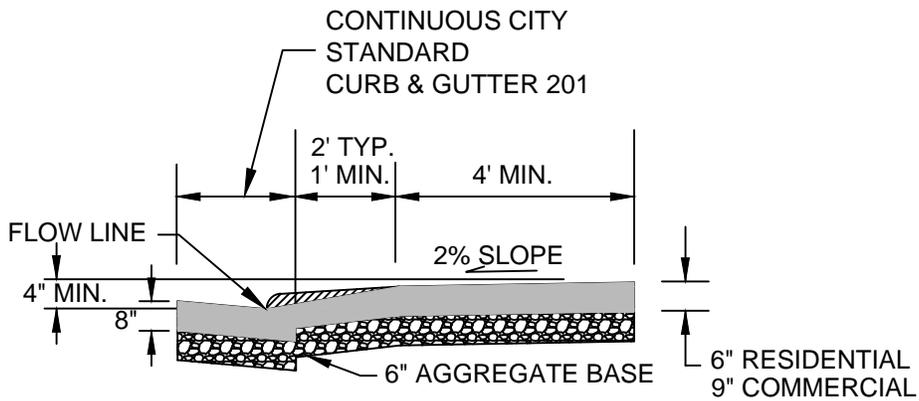
SCALE: N.T.S.

ISSUED: 6/20/16		STANDARD DETAIL DEPRESSED SIDEWALK DRIVEWAY ENTRANCE	DRAWING NO.
REVISION: 1.0			206
REVISION:			SHEET 2 OF 2
APPROVED: MW/MC			

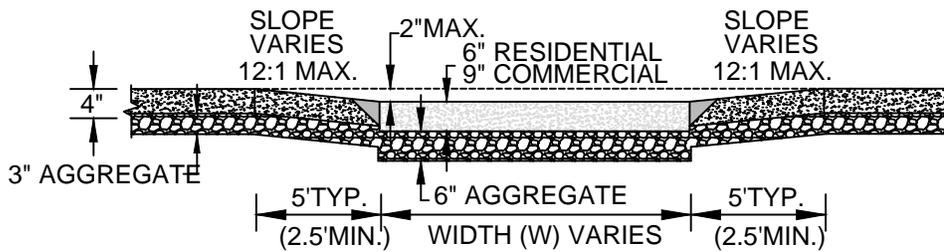
CITY OF FALLS CHURCH VA PUBLIC WORKS



PLAN VIEW



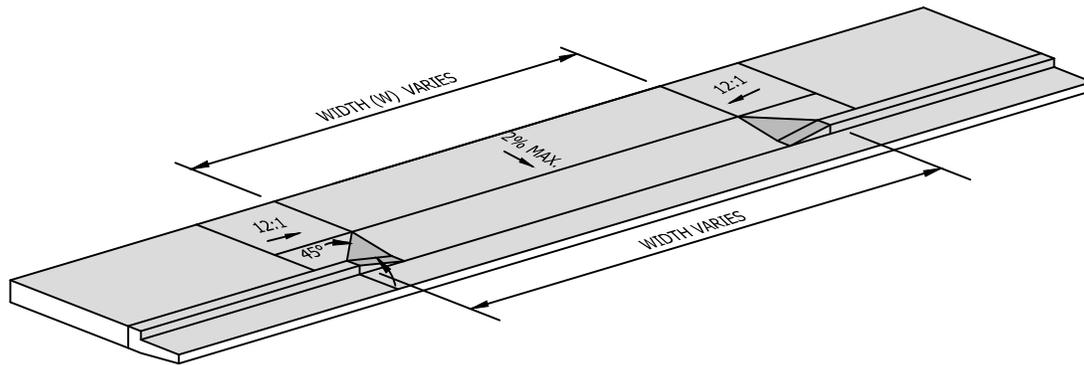
SECTION A-A



SECTION B-B

SCALE: N.T.S.

ISSUED: 6/20/16		<p align="center">STANDARD DETAIL MOUNTABLE CURB DRIVEWAY ENTRANCE</p>	DRAWING NO.
REVISION: 1.0			207
REVISION:			
APPROVED: MW/MC			SHEET 1 OF 2
CITY OF FALLS CHURCH VA PUBLIC WORKS			



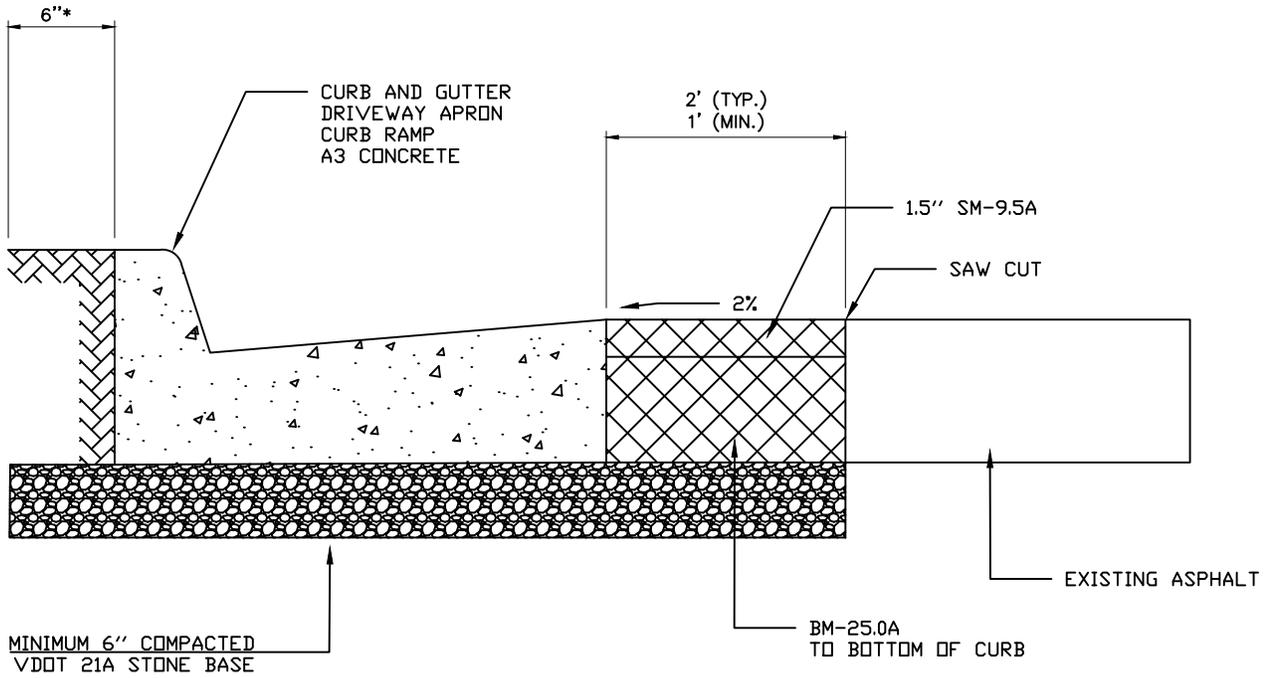
NOTES:

1. WHEN DRIVEWAY WIDTH EXCEEDS 16' A 3/4" MIN. DEPTH SCORED JOINT SHALL BE PLACED ON CENTERLINE OF DRIVEWAY ENTRANCE OR EVERY 10'.
2. CONCRETE DRIVEWAY ENTRANCE SHALL BE POURED MONOLITHICALLY.
3. PROVIDE 6" MINIMUM AGGREGATE BASE HAVING MINIMUM CBR-30 UNDER DRIVEWAY ENTRANCE.
4. OWNER SHALL DEDICATE ALL PERMANENT EASEMENTS NECESSARY TO PROVIDE ADA COMPLIANT DRIVEWAY ENTRANCE AND SIDEWALK IF EXISTING OR PROPOSED SIDEWALK INTERSECTS DRIVEWAY.
5. OWNER/DEVELOPER SHALL SUBMIT HYDRAULIC CALCULATIONS TO VERIFY THAT 10 YR. STORM RUNOFF WILL BE RETAINED WITHIN THE GUTTER AND WILL NOT OVERTOP DEPRESSED DRIVEWAY/PEDESTRIAN ACCESS ROUTE. OVERLAND RELIEF AWAY FROM STRUCTURES SHALL BE DEMONSTRATED FOR STORMS IN EXCESS OF 10 YRS.
6. DETAIL DW-2.2 SHALL ONLY BE USED WHEN 205 OR 206 WOULD INHIBIT VEHICULAR USE OF THE DRIVEWAY.

SCALE: N.T.S.

ISSUED: 6/20/16		STANDARD DETAIL MOUNTABLE CURB DRIVEWAY ENTRANCE	DRAWING NO.
REVISION: 1.0			207
REVISION:			
APPROVED: MW/MC			SHEET 2 OF 2

CITY OF FALLS CHURCH VA PUBLIC WORKS



NOTES :

1. TACK COAT MUST BE PLACED ON SAW CUT EDGE AND EXISTING EDGE OF ASPHALT TO CREATE A WATERTIGHT SEAL.
2. IF SIDEWALK IS ADJACENT TO CURB , OMIT 21A EXTENSION.

SCALE: N.T.S.

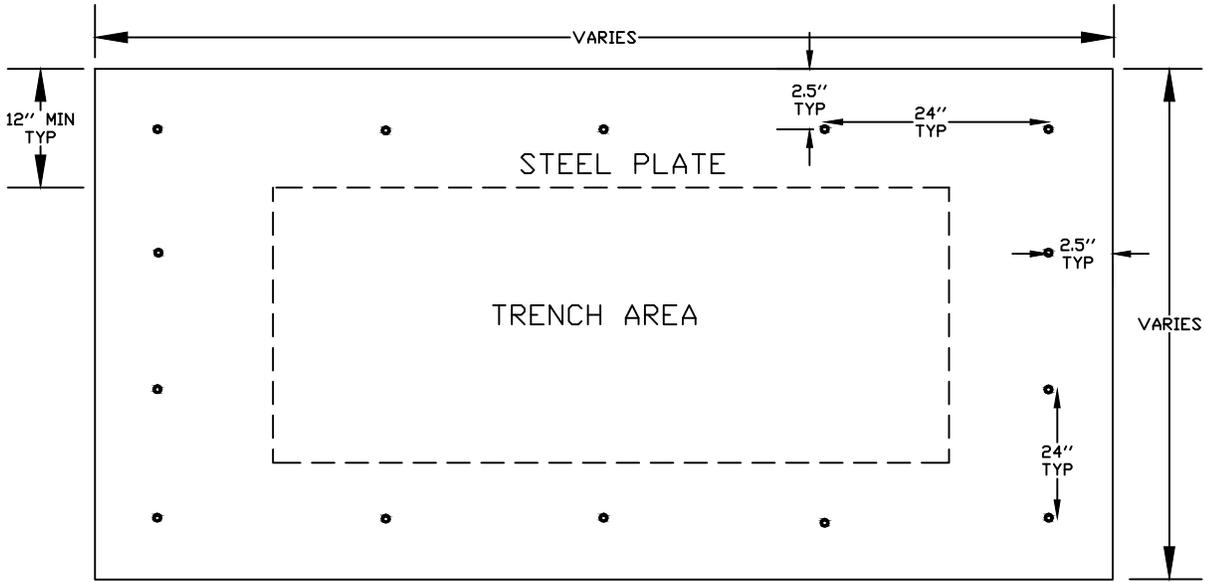
ISSUED:	7/7/15
REVISION:	1.0
REVISION:	
APPROVED:	MW/MC



STANDARD DETAIL
ASPHALT SAW CUT

DRAWING NO.	301
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PLOTTED: \$DATE\$ TIME\$ FILE: \$FILE\$



NOTES :

1. HOLES SHALL BE DRILLED TO ACCOMMODATE COMMON RAIL SPIKE

SCALE: N.T.S.

ISSUED: 1/16/15

REVISION: 1.0

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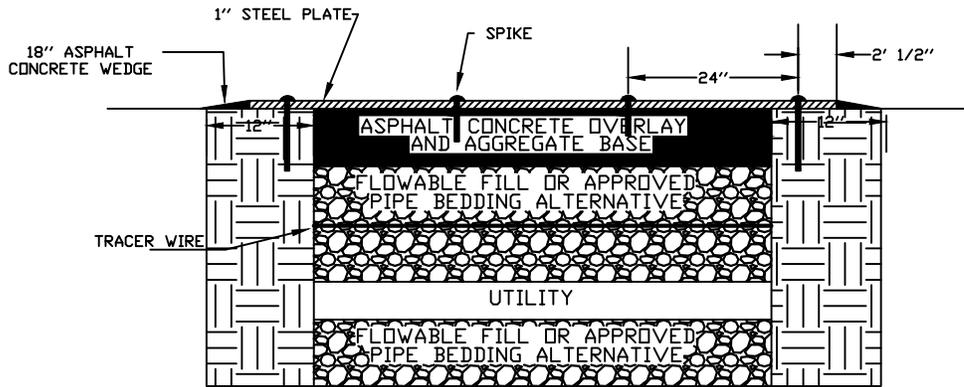
APPROVED: MW/MC



STANDARD DETAIL
STEEL PLATE DRILL HOLE PATTERN

DRAWING NO.

601



NOTES :

1. ASPHALT CONCRETE OVERLAY SHOWN UNDER STEEL PLATE ONLY TO DENOTE DIMENSIONS AND LOCATION. TO BE PLACED AFTER REMOVAL OF PLATE
2. PROVIDE A SMOOTH TRANSITION FROM EXISTING ASPHALT TO STEEL PLATE TRAVEL SURFACE.
3. BITUMINOUS SEALER TO BE PLACED AROUND HOLES AND BOTTOM OF SPIKE HEADS.
4. DETAIL TO BE USED IN CONJUNCTION WITH DETAIL 6.06 AND/OR 6.06B
5. SPIKES MUST BE INSTALLED IN ALL STEEL PLATES. NO SUBSTITUTES ALLOWED
6. ALL STEEL PLATES SHALL HAVE ALL CORNERS WITH WHITE TAPE OR PAINT.
7. USE OF STEEL PLATE IN A PEDESTRIAN CROSSWALK SHALL REQUIRE THE PLATE TO BE PAINTED AND COATED WITH HIGH INDEX GLASS BEADS.

SCALE: N.T.S.

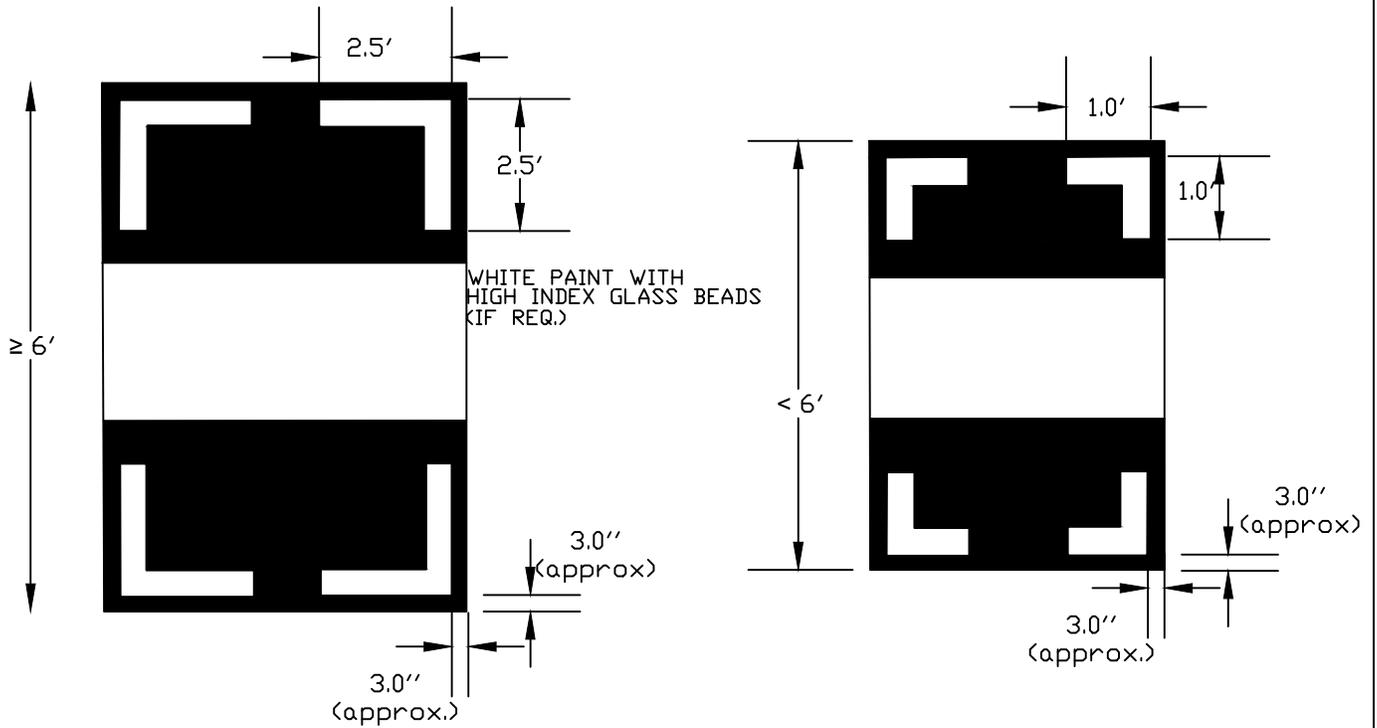
ISSUED:	1/16/15
REVISION:	1.0
REVISION:	
APPROVED:	MW/MC



STANDARD DETAIL
STEEL PLATE PLACE
AND BACKFILL METHOD

DRAWING NO.
602

PLOTTED: \$DATE\$ TIME\$ FILE: \$FILE\$



SCALE: N.T.S.

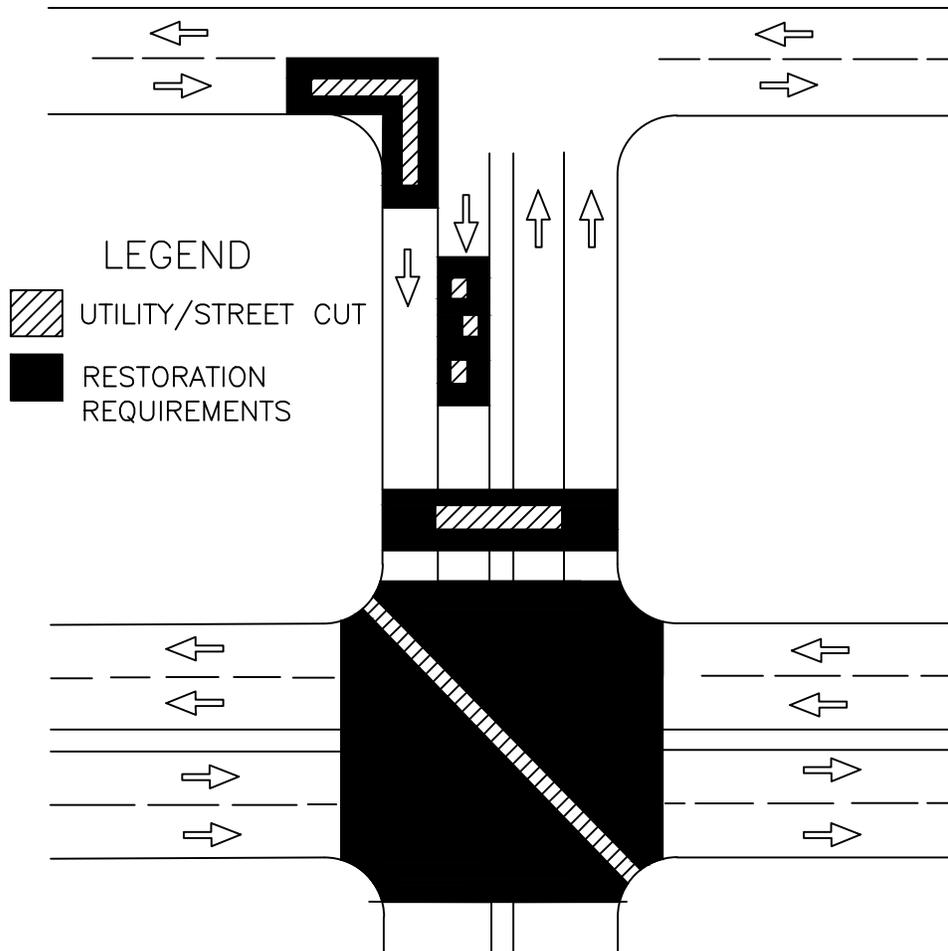
ISSUED:	1/16/15
REVISION:	1.0
REVISION:	
APPROVED:	MW/MC



STANDARD DETAIL
STEEL PLATE REFLECTIVE WHITE TAPE

DRAWING NO.

603



SCALE: N.T.S.

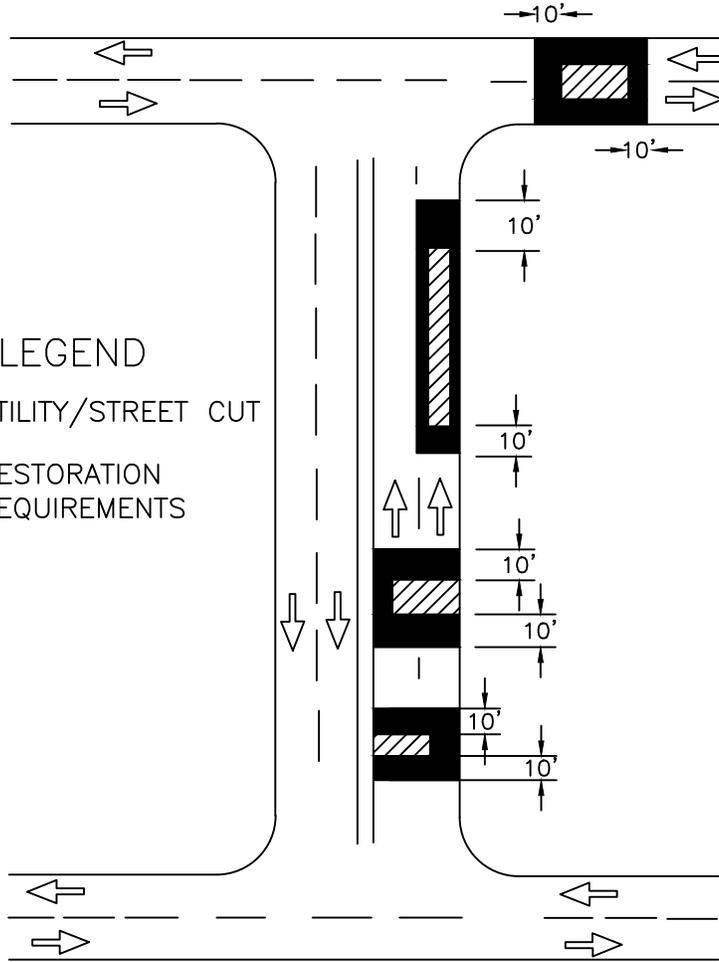
ISSUED:	1/16/15
REVISION:	1.0
REVISION:	
APPROVED:	MW/MC



STANDARD DETAIL
 TYPICAL RESTORATION LIMITS
 FOR ASPHALT PAVEMENT

DRAWING NO.
604

PLOTTED: \$DATE\$ TIME\$ FILE: \$FILE\$



SCALE: N.T.S.

ISSUED: 1/16/15

REVISION: 1.0

REVISION:

APPROVED: MW/MC

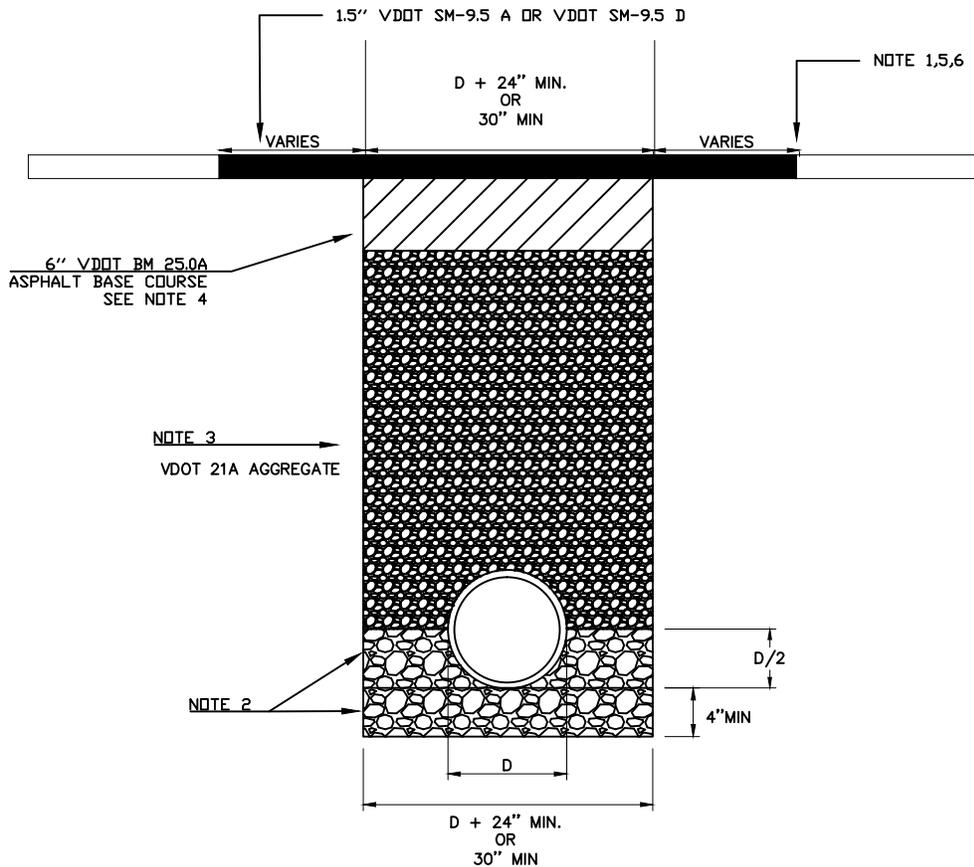


STANDARD DETAIL
 TYPICAL RESTORATION MEASUREMENTS
 FOR ASPHALT PAVEMENT

DRAWING NO.

605

PLOTTED: \$DATE\$
 FILE: \$FILE\$



NOTES :

1. ALL PAVEMENTS SHALL BE SAW CUT WITH NEAT UNIFORM LINES PRIOR TO EXCAVATION
2. PIPE BEDDING MATERIAL SHALL BE PER UTILITY REQUIREMENTS. ALTERNATIVE MATERIAL MUST BE APPROVED BY DEPARTMENT OF PUBLIC WORKS.
3. BACKFILL MATERIAL SHALL BE VDOT NO.21A AGGREGATE, PLACED IN LOOSE LIFTS NOT EXCEEDING 6" AND COMPACTED TO AT LEAST 95% MAXIMUM DRY DENSITY WITHIN 2 PERCENT POINTS OF OPTIMUM. MOISTURE (VTIM-1) WITH USE OF MECHANICAL TAMPERS OR VIBRATORY ROLLERS. WATER COMPACTION IS NOT PERMITTED AND AREAS IN EXCESS OF 50 CY SHALL REQUIRE TESTING PERFORMED AND CERTIFIED GEOTECHNICAL ENGINEER OR A VDOT-CERTIFIED TECHNICIAN. RESULTS SHALL BE PROVIDED TO THE INSPECTOR WITHIN 24 HOURS OF TESTING COMPLETION. THE COST OF ALL TESTING IS THE RESPONSIBILITY OF THE PERMITTEE FIELD DENSITY TESTING METHODS SHALL BE APPROVED BY DEPARTMENT OF PUBLIC WORKS PRIOR TO TESTING
4. DEPTHS FOR AGGREGATE BASE, ASPHALT BASE AND ASPHALT SURFACE COURSE SHALL BE AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS AFTER THE TRENCH HAS BEEN OPEN. THE MINIMUM DEPTHS IN ANY CASE SHALL BE 6" OF AGGREGATE BASE, 6" ASPHALT BASE AND 2" SURFACE COURSE.
5. THE REPAIR SHALL BE RECTANGULAR AND SAW CUT STRAIGHT, UNIFORM LINES THAT ARE ALLIGNED WITH THE STREET CENTERLINE. WHEN EDGES OF PAVEMENT HAVE BEEN UNDERMINED, PAVEMENT SHALL BE REMOVED TO A NEAT LINE 12" EXTENDING THE WIDTH OF THE LANE. ANY INITIAL PAVEMENT REPAIR WITH AN AREA GREATER THAN 40 SQUARE FEET MAY BE NON RECTANGULAR, HOWEVER, THE REPAIR SHALL BE SAW CUT IN STRAIGHT, UNIFORM LINES.
6. TACK COAT IS REQUIRED ON ALL SURFACES THAT WILL CONTACT THE NEW SURFACE LAYER.
7. VDOT SM-9.5 D MUST BE USED ON MAIN ARTERIAL STREETS (BROAD STREET AND WASHINGTON STREET). ALL OTHER STREETS MAY USE VDOT SM-9.5A.
8. ANY OPEN CUT LESS THAN 30" IN WIDTH MUST USE FLOWABLE FILL. (DETAIL 101)

SCALE: N.T.S.

ISSUED:	1/16/15
REVISION:	1.0
REVISION:	
APPROVED:	MW/MC

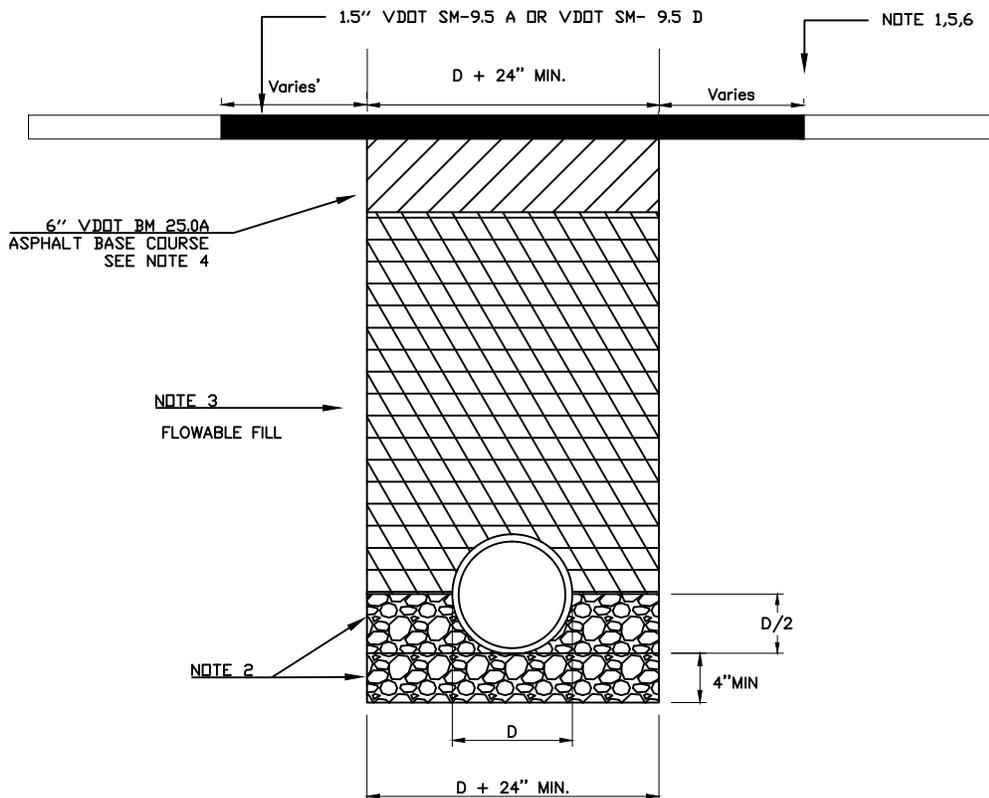


STANDARD DETAIL
 UTILITY TRENCH REPAIR IN PAVEMENT
 VDOT NO. 21A AGGREGATE

DRAWING NO.
1401

CITY OF FALLS CHURCH VA PUBLIC WORKS

PLOTTED: \$DATE\$ TIME\$ FILE: \$FILE\$



NOTES :

1. ALL PAVEMENTS SHALL BE SAW CUT WITH NEAT UNIFORM LINES PRIOR TO EXCAVATION
2. PIPE BEDDING MATERIAL SHALL BE PER UTILITY REQUIREMENTS. ALTERNATIVE MATERIAL MUST BE APPROVED BY DEPARTMENT OF PUBLIC WORKS.
3. BACKFILL MATERIAL SHALL BE FLOWABLE FILL MIX, MEETING THE REQUIREMENTS OF VDOT SPECIAL PROVISION FOR FLOWABLE BACKFILL. THE MATERIAL MUST BE PLANT CERTIFIED. TO PROVIDE A 28 DAY COMPRESSIVE STRENGTH BETWEEN 30 AND 200 PSI. A CERTIFICATE IS NOT PERMITTED AND AREAS IN EXCESS OF 50 CY SHALL REQUIRE TESTING PERFORMED AND CERTIFIED OF MIX DESIGN MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS PRIOR TO THE PLACING OF THE MATERIAL IN THE TRENCH. A MINIMUM OF FOUR 6X12 TEST CYLINDERS SHALL BE TAKEN FOR OVER 20CY AND THEN EVERY 50CY OF PLACEMENT. A CYLINDER SHALL BE TESTED BY A QUALIFIED TESTING LABORATORY FOR 28 DAY STRENGTH. RESULTS SHALL BE PROVIDED TO THE DEPARTMENT OF PUBLIC WORKS WITH 24 HOURS OF TESTING COMPLETION. THE COST OF THE TESTING IS THE RESPONSIBILITY OF THE PERMITEE. IF THE REPORT INDICATES THE COMPREHENSIVE STRENGTHS ARE NOT BETWEEN 30 AND 200 PSI, THE PERMITEE WILL BE RESPONSIBLE FOR REMOVING AND REPLACING THE BACKFILL WITH ACCEPTABLE BACKFILL AND COMPLETING THE RESTORATION OF THE STREET AT NO COST TO THE CITY.
4. DEPTHS FOR AGGREGATE BASE, ASPHALT BASE AND ASPHALT SURFACE COURSE SHALL BE AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS AFTER THE TRENCH HAS BEEN OPEN. THE MINIMUM DEPTHS IN ANY CASE SHALL BE 6" OF AGGREGATE BASE, 6" ASPHALT BASE AND 2" SURFACE COURSE.
5. THE REPAIR SHALL BE RECTANGULAR AND SAW CUT STRAIGHT, UNIFORM LINES THAT ARE ALLIGNED WITH THE STREET CENTERLINE. WHEN EDGES OF PAVEMENT HAVE BEEN UNDERMINED, PAVEMENT SHALL BE REMOVED TO A NEAT LINE EXTENDING THE WIDTH OF THE LANE. ANY INITIAL PAVEMENT REPAIR WITH AN AREA GREATER THAN 40 SQUARE FEET MAY BE NON RECTANGULAR, HOWEVER, THE REPAIR SHALL BE SAW CUT IN STRAIGHT, UNIFORM LINES.
6. TACK COAT IS REQUIRED ON ALL SURFACES THAT WILL CONTACT THE NEW SURFACE LAYER.
7. VDOT SM-9.5 D MUST BE USED ON MAIN ARTERIAL STREETS (BROAD STREET AND WASHINGTON STREET). ALL OTHER STREETS MAY USE VDOT SM-9.5A.

SCALE: N.T.S.

ISSUED:	1/16/15
REVISION:	1.0
REVISION:	
APPROVED:	MW/MC



STANDARD DETAIL
UTILITY TRENCH REPAIR IN PAVEMENT
FLOWABLE FILL

DRAWING NO.	1402
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