



BOROUGH OF CONSHOHOCKEN

Borough of Conshohocken 400 Fayette Street, Suite 200 Conshohocken, PA. 19428

CURB & SIDEWALK PERMIT APPLICATION PERMIT# _____

For Zoning Use Only	
Present Zoning District: _____	Lot Size: _____
Proposed Zoning Use: _____	Approved or Disapproved Conditions: _____
Date proposed work was reviewed by zoning: _____	
Has the Zoning Board of Conshohocken issued a special exception, variance, or other ruling concerning this proposed work or zoning classification? _____	

For Office Use Only	
Date Application Received: _____	
Receipt # _____	Permit Fee \$ _____ .00 <input type="checkbox"/> Cash <input type="checkbox"/> Check # _____
Parcel # - _____	
Date Permit Issued: _____	Issued By _____

Location of Property: _____

Please Attach a Sketch of the Work to be Performed for This Application:

Curb and Street Restoration: Total Linear Footage of project: _____
 \$80.00 for the first ten-(10) feet plus \$20.00 for each additional twenty (20) linear feet or fraction there of. \$ _____

Sidewalk and Driveway Apron: Total Linear Footage of project: _____
 \$50.00 for the first ten-(10) feet plus \$10.00 for each additional twenty (20) linear feet or fraction there of. \$ _____

ADA Related Engineering Field Review: \$65 \$ _____

Total Cost of Permit: \$ _____

- * \$50.00 re-inspection fee may be charged for each inspection, for non compliance.
- * The Borough reserves the right to be reimbursed for all costs plus 10% that is incurred for outside consultants.
- * Appointments must be made for all inspections, with the Code secretary.

Is there a written contract between the owner and the contractor? Yes Copy Must Be Attached or No

Contractor's Business Name:	Property owner acting as a contractor <input type="checkbox"/> Yes or <input type="checkbox"/> No
License # _____ or applying today - <input type="checkbox"/> (please check)	Property Owner's Name:
Contact Person's Name:	
Street Address	Street Address
City, State & Zip	City, State & Zip
Daytime Phone	Daytime Phone
Cell Phone	Cell Phone

APPLICATION MUST BE APPROVED, PERMIT ISSUED, AND POSTED ON JOB SITE PRIOR TO BEGINNING WORK!

By affixing my name to this application I hereby affirm that I have received a copy of the 'Borough of Conshohocken Typical Construction Details' and agree to construct in accordance with the specifications contained therein.

CONTRACTOR IS RESPONSIBLE TO CALL FOR ALL INSPECTIONS

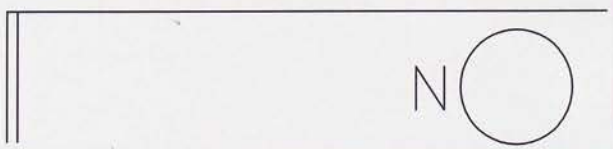
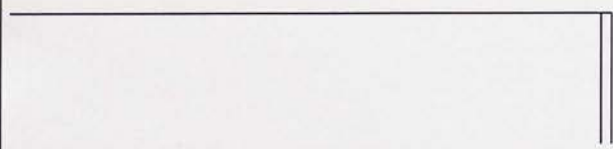
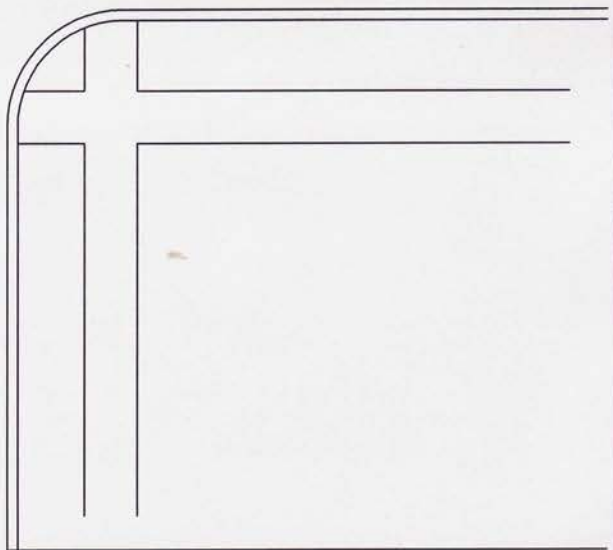
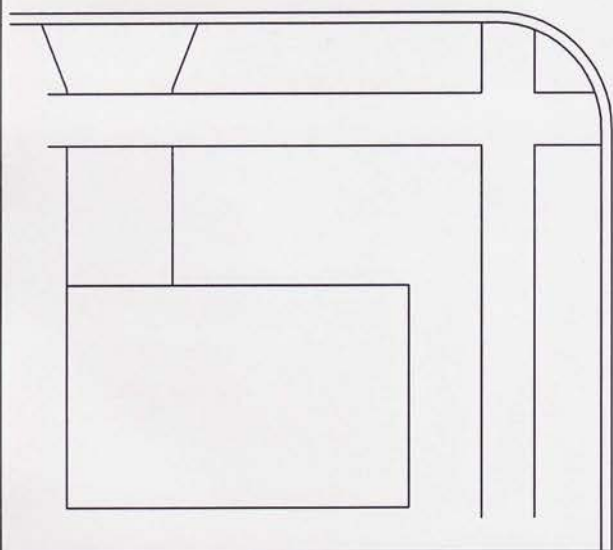
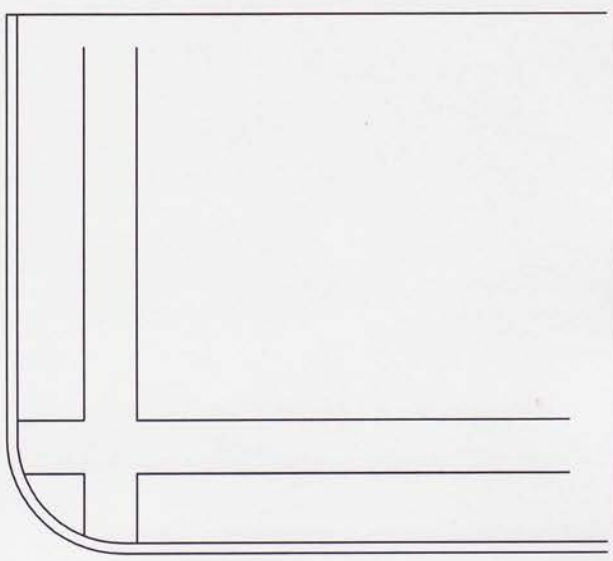
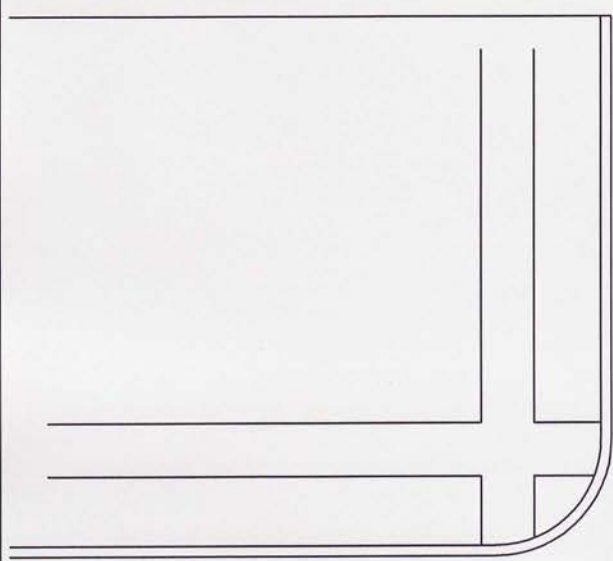
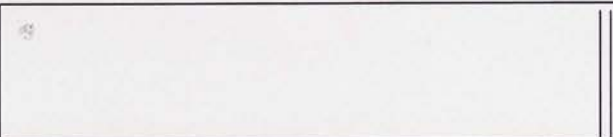
The information provided in this Application is true and correct to the best of my knowledge, information and belief and that these statements are made subject to the penalties of 18 Pa. C.S.A. Section 4904 relating to unsworn falsification to authorities. The undersigned is the owner of said structure or has been authorized by the owner(s) to act as agent in procuring the building permit herein requested. The undersigned also takes full responsibility for all work performed and will comply with all provisions of the Zoning Ordinance, the Building Code and with all other applicable ordinances of Conshohocken.

Signature of Owner

Date

Signature of Contractor

Date



NO ○



TYPICAL DETAILS

BOROUGH OF CONSHOHOCKEN

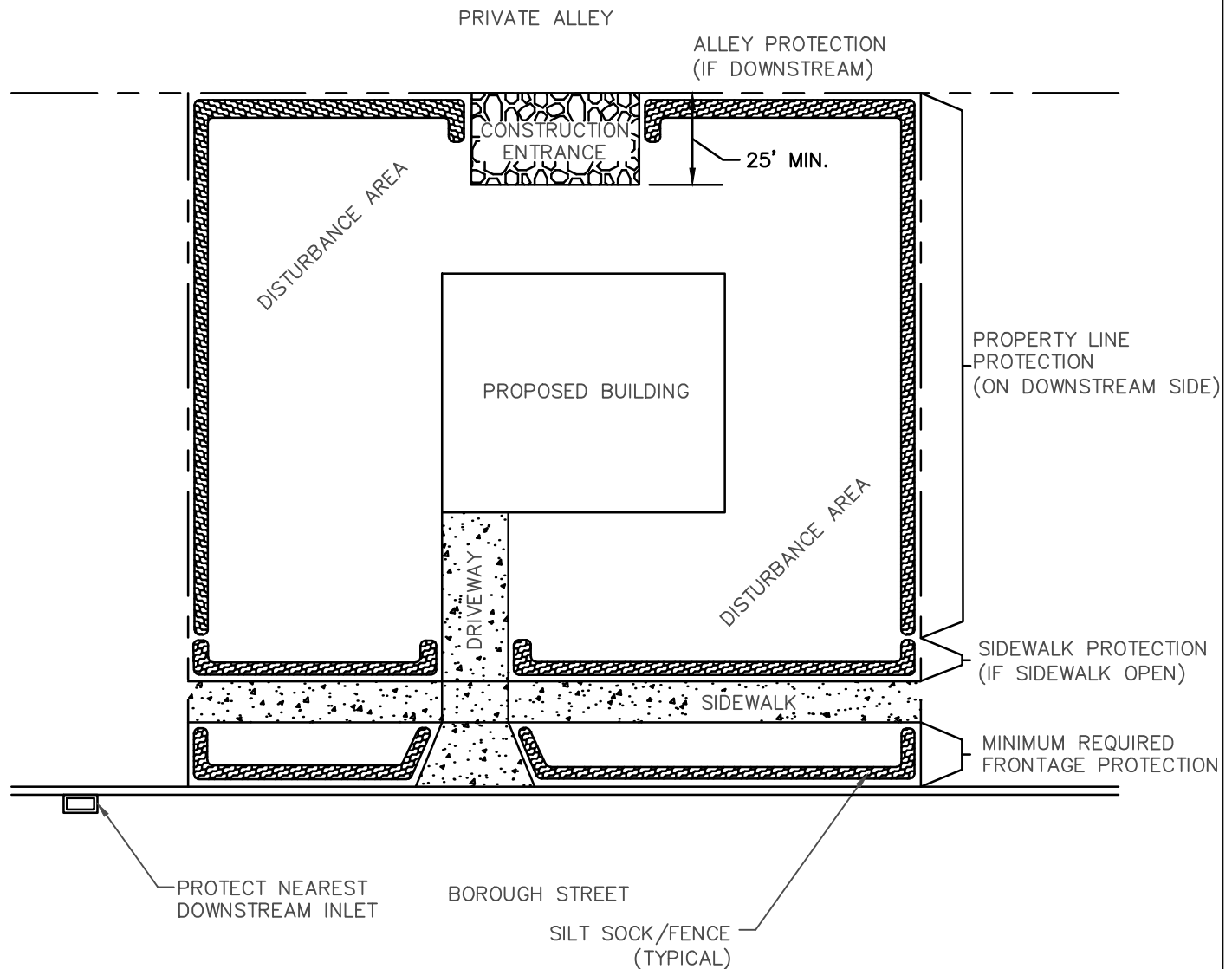
MONTGOMERY COUNTY, PENNSYLVANIA

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1. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE QUALITY AND CORRECTNESS OF COMPLETED WORK. THE PROPERTY OWNER MAY DESIGNATE A CONTRACTOR, CONSULTANT OR OTHER AGENT TO COORDINATE INSPECTIONS WITH THE BOROUGH. THE PROPERTY OWNER IS RESPONSIBLE FOR ALL OUTSIDE CONSULTANT FEES INCURRED BY THE BOROUGH.
2. ANY COMPLETED WORK THAT DOES NOT COMPLY WITH APPLICABLE STANDARDS SUCH AS THE AMERICANS WITH DISABILITIES ACT (ADA), PENNDOT SPECIFICATIONS AND CONSTRUCTION STANDARDS, OR THE BOROUGH OF CONSHOHOCKEN TYPICAL DETAILS SHALL BE REMOVED AND REPLACED.
3. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH THE BOROUGH STORMWATER MANAGEMENT ORDINANCE. SPECIFICALLY, ALL WORK SITES SHALL BE PROTECTED FROM EROSION AND SEDIMENT RUNOFF IN ACCORDANCE WITH MONTGOMERY COUNTY CONSERVATION DISTRICT REQUIREMENTS. FAILURE TO INSTALL AND MAINTAIN ACCEPTABLE EROSION CONTROLS WILL RESULT IN WORK STOPPAGES AND FINES IN ACCORDANCE WITH THE BOROUGH ORDINANCE.
4. EROSION CONTROL INLET PROTECTION SHALL BE INSTALLED IN THE NEAREST DOWNSTREAM INLET OF ALL WORK SITES. PIPE TRENCHES SHALL BE PUMPED THROUGH A WATER FILTER BAG.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT. THE BOROUGH INSPECTOR WILL VERIFY THAT THE APPROPRIATE CONSTRUCTION DETAILS ARE BEING FOLLOWED AND THAT THE APPROPRIATE METHODS ARE BEING USED. THE BOROUGH INSPECTOR DOES NOT APPROVE ANY PHYSICAL PRODUCT UNTIL THE WORK IS COMPLETE. ANY PERCEIVED APPROVAL OF LAYOUT, FORMWORK, ETC., DOES NOT ABSOLVE THE CONTRACTOR FROM ENSURING THAT THE FINAL PRODUCT COMPLIES WITH ALL APPLICABLE STANDARDS.



SINGLE LOT EROSION CONTROL DETAIL

N.T.S.

NOTES:

1. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE BOROUGH CODE DEPARTMENT IN ACCORDANCE WITH BOROUGH ORDINANCE 1-2008.

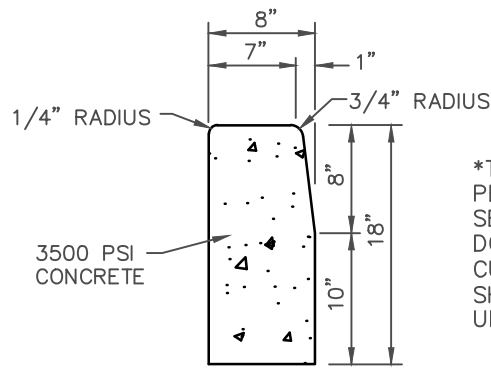
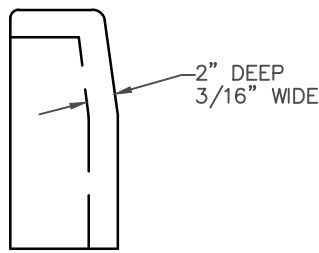
2. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE MONTGOMERY COUNTY CONSERVATION DISTRICT IN ACCORDANCE WITH 25 PA CODE CHAPTER 102.

3. FAILURE TO MAINTAIN EROSION CONTROL MEASURES WILL RESULT IN AN IMMEDIATE WORK STOPPAGE UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN RESTORED TO THE SATISFACTION OF THE BOROUGH CODE DEPARTMENT.

4. SILT SOCK/FENCE SHALL BE INSTALLED AND MAINTAINED PER THE PADEP EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL, LATEST EDITION.

5. DIAMETER OF SILT SOCK SHALL BE 12" UNLESS OTHERWISE DIRECTED. LARGER SILT SOCK MAY BE REQUIRED FOR SITES WITH A LARGER CONTRIBUTING DISTURBANCE AREA.

DETAIL - 1
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



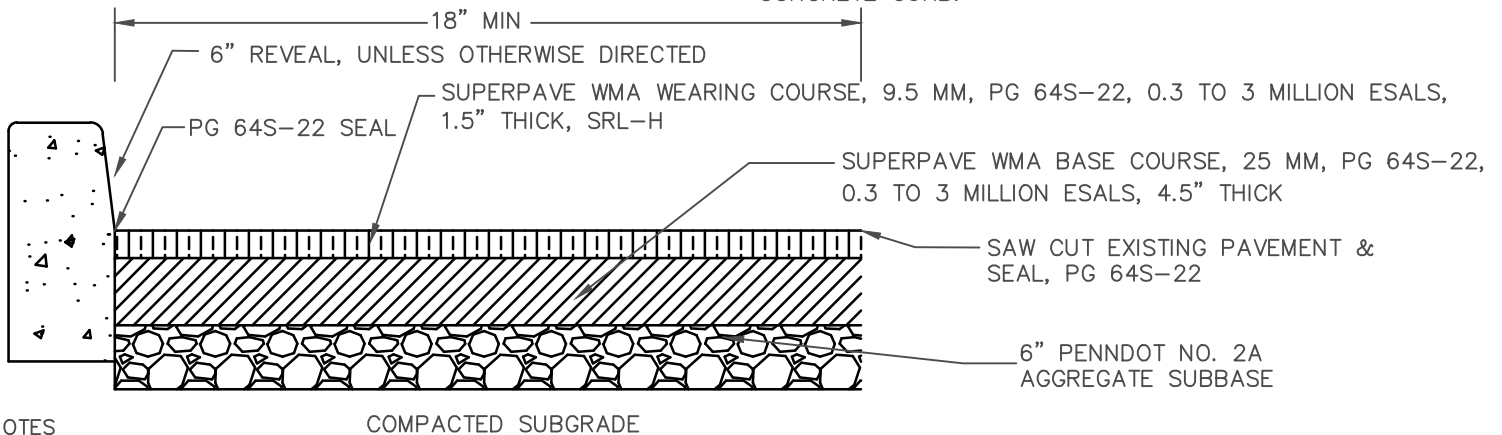
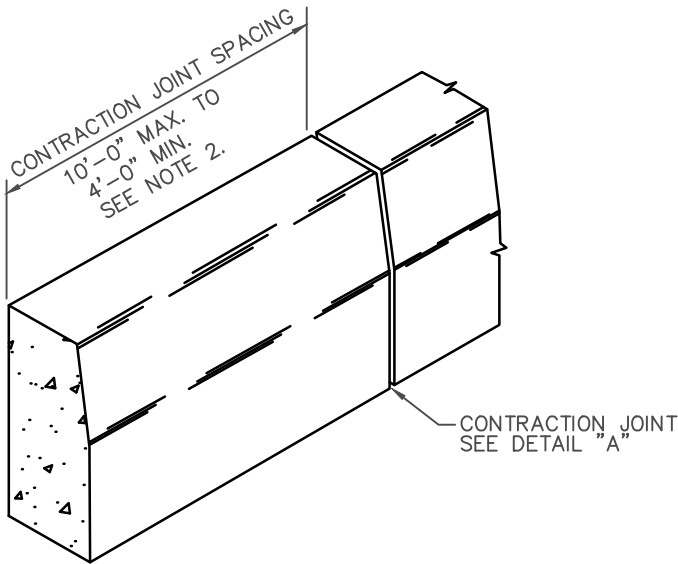
*THIS DETAIL IS THE STANDARD PENNDOT CONCRETE CURB CROSS SECTION. THE DIMENSIONS SHOWN DO NOT REFLECT THE DESIRED CURB REVEAL. ALL CURB SHALL HAVE A 6" CURB REVEAL UNLESS OTHERWISE DIRECTED.

DETAIL "A" CONTRACTION JOINT

TYPICAL CROSS SECTION

NOTES

1. PROVIDE MATERIALS AND CONSTRUCT AS SPECIFIED IN PUBLICATION 408, SECTION 630 FOR PLAIN CEMENT CONCRETE CURB AND DEPRESSED CURB, SECTION 640 FOR PLAIN CEMENT CONCRETE GUTTER AND SECTION 641 FOR PLAIN CEMENT CONCRETE CURB GUTTER.
2. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.
3. PLACE 3/4" PREMOLDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY. CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.
4. SEE RC-50M FOR PLAIN CEMENT CONCRETE CURB SLOPED TOP TREATMENT ADJACENT TO STRUCTURES.
5. ALL CONCRETE IS TO BE 3500 PSI.
6. DEPRESSED CURB SHALL BE SLOPED 1/4" PER FOOT TOWARDS THE STREET.
7. CURB REPLACEMENT SHALL EXTEND TO THE NEAREST JOINT. SHOULD THE NEAREST JOINT EXTEND ACROSS A PROPERTY THE CURB MAY BE SAWCUT AT A LOCATION TO BE AND MARKED OUT BY THE BOROUGH.
8. CONTRACTOR SHALL PROVIDE EROSION CONTROLS TO CONTAIN OPEN EXCAVATIONS AND PROTECT THE NEAREST DOWNSTREAM INLET.
9. PROJECTS REQUIRING ONE (1.0) CUBIC YARD (CY) OR GREATER SHALL USE PLANT MIX CONCRETE DELIVERED BY A CONCRETE MIXING TRANSPORT TRUCK. 1.0 CY OF CONCRETE YIELDING APPROXIMATELY 27LF OF STANDARD CONCRETE CURB.



NOTES

1. ROADWAY RESTORATIONS SHALL BE PERFORMED ALONG STRAIGHT SAWCUT.
2. FAILURES IN THE EXISTING PAVEMENT MAY REQUIRE ANOTHER SAWCUT BE MADE IN ORDER TO INCORPORATE THE IRREGULARITIES INTO THE RESTORATION AREA.
3. ROADWAY RESTORATIONS SHALL INCLUDE AREAS FROM WHICH EXISTING PIPES, PLATES, BRICKS, CHANNELS, ETC. HAVE BEEN REMOVED.
4. ALL PRE-EXISTING PAVEMENT MARKING SHALL REPLACED IN-KIND.

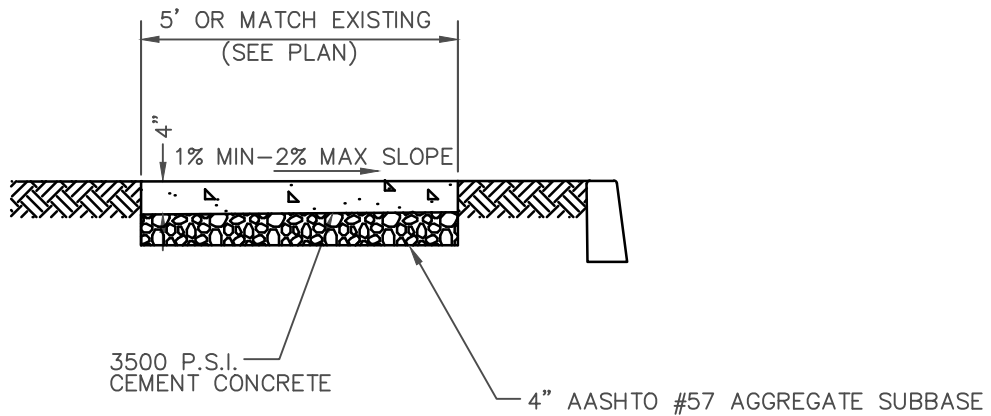
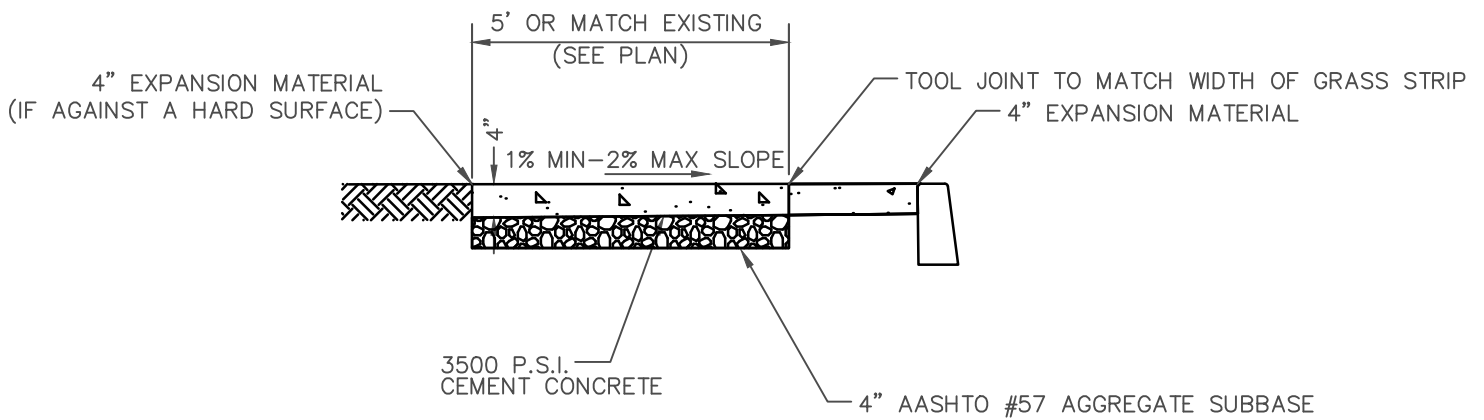
GUTTER AND ROADWAY RESTORATION DETAIL

N.T.S.

DETAIL - 2

TYPICAL DETAILS

BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



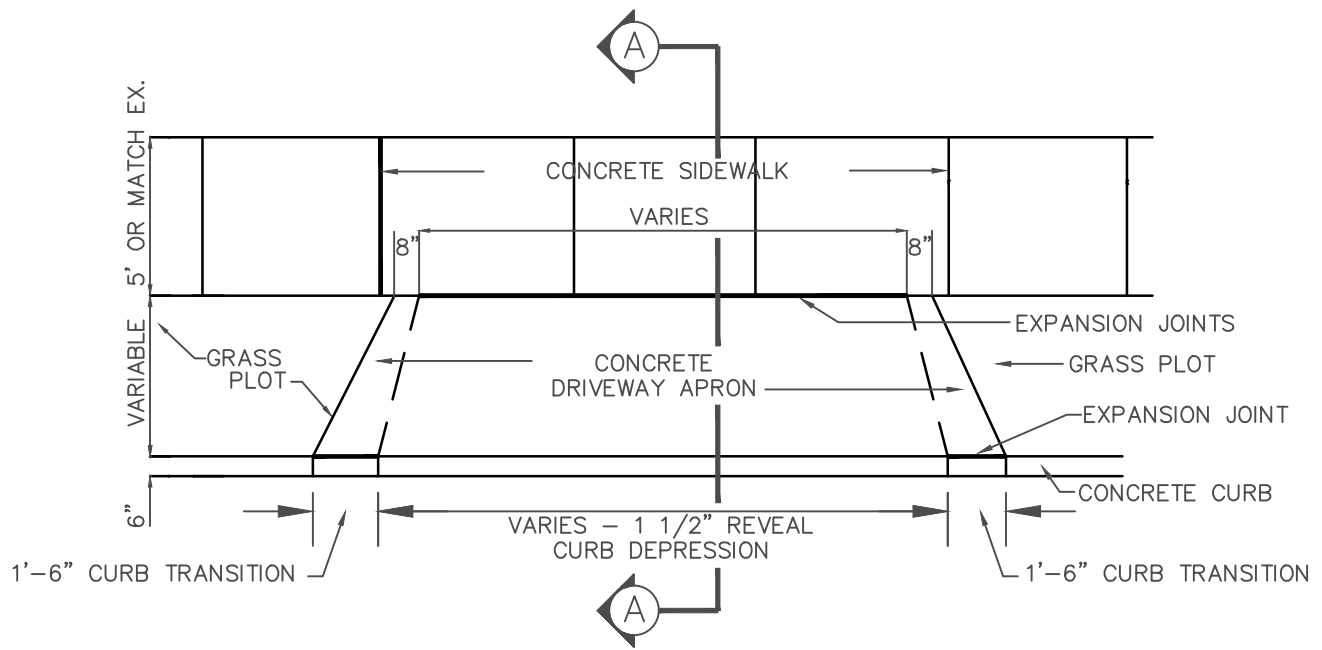
CEMENT CONCRETE SIDEWALK

N.T.S.

NOTE:

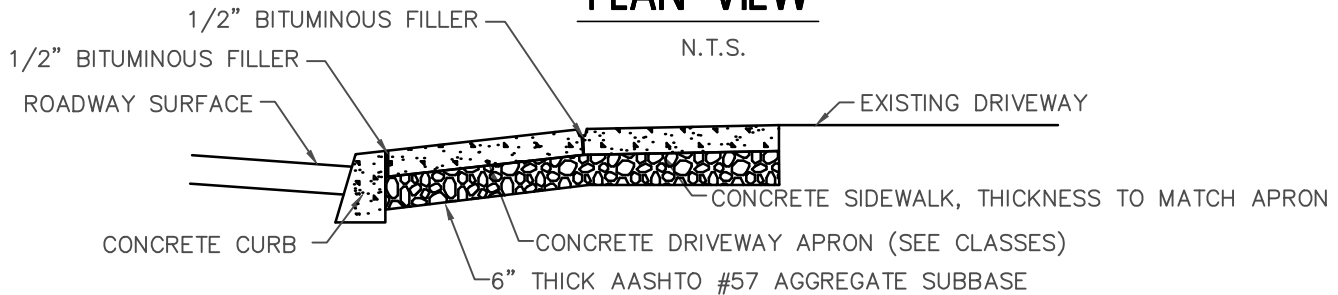
1. ALL CONCRETE IS TO BE 3500 PSI.
2. CONCRETE SIDEWALK SHALL BE SLOPED A MINIMUM OF 1.0% AND A MAXIMUM OF 2% TOWARDS THE TOP OF CURB.
3. CONTRACTOR SHALL PROVIDE EROSION CONTROLS TO CONTAIN OPEN EXCAVATIONS AND PROTECT THE NEAREST DOWNSTREAM INLET.
4. PROJECTS REQUIRING ONE (1.0) CUBIC YARD (CY) OR GREATER SHALL USE PLANT MIXED CONCRETE DELIVERED BY A CONCRETE MIXING TRANSPORT TRUCK. 1.0 CY OF CONCRETE YIELDS APPROXIMATELY 15 LINEAR FEET OF 5' WIDE SIDEWALK OR 20 LINEAR FEET OF 4' WIDE SIDEWALK.

DETAIL - 3
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



PLAN VIEW

N.T.S.



SECTION "A-A"

N.T.S.

DRIVEWAY APRON & CURB DEPRESSION

(APPLICABLE WITH STANDARD CURB)

N.T.S.

NOTES:

1. ALL CONCRETE IS TO BE 3500 PSI.
2. DEPRESSED CURB SHALL BE SLOPED 1/4" PER FOOT TOWARDS THE STREET.
3. CONCRETE SHALL BE ALLOWED TO CURE FOR SEVEN (7) DAYS.
4. USE OF "HIGH EARLY" CONCRETE MAY BE APPROVED BY THE BOROUGH INSPECTOR.
5. MONOLITHIC POURS SHALL ONLY BE PERMITTED BY SPECIAL EXCEPTION, AND ARE SUBJECT TO APPROVAL BY THE BOROUGH.
6. CONTRACTOR SHALL PROVIDE EROSION CONTROLS TO CONTAIN OPEN EXCAVATIONS AND PROTECT THE NEAREST DOWNSTREAM INLET.
7. PROJECTS REQUIRING ONE (1.0) CUBIC YARD (CY) OR GREATER SHALL USE PLANT MIXED CONCRETE DELIVERED BY A CONCRETE MIXING TRANSPORT TRUCK. 1.0 CY YIELDS APPROXIMATELY 54 SQUARE FEET OF 6" THICK APRON OR 40 SQUARE FEET OF 8" THICK APRON.

DETAIL - 4

TYPICAL DETAILS

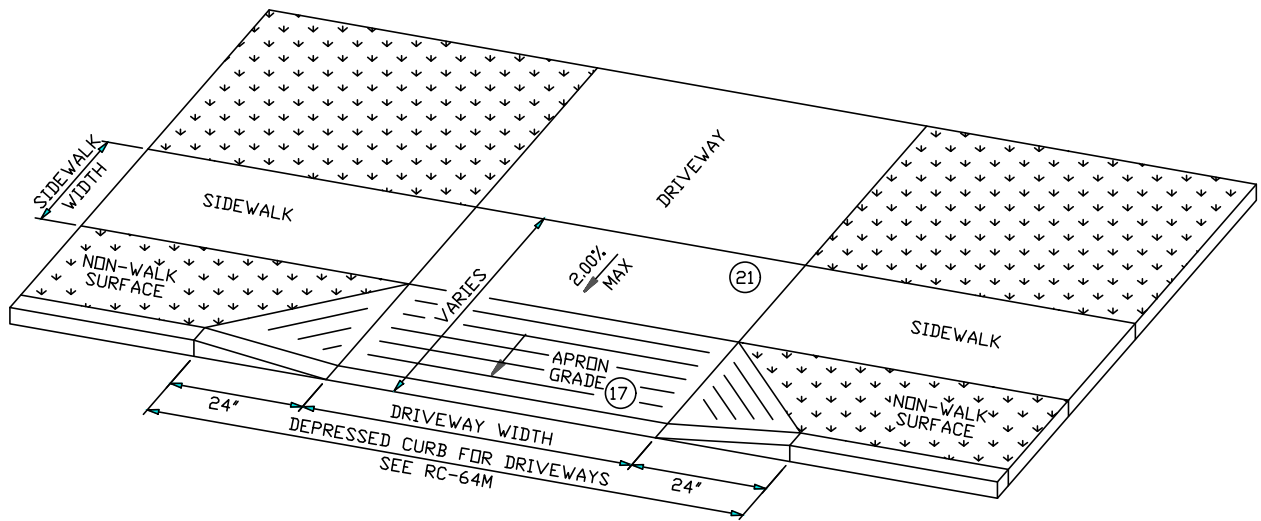
BOROUGH OF CONSHOHOCKEN

MONTGOMERY COUNTY, PENNSYLVANIA

DRIVEWAY APRON CLASSES - MINIMUM STANDARDS:

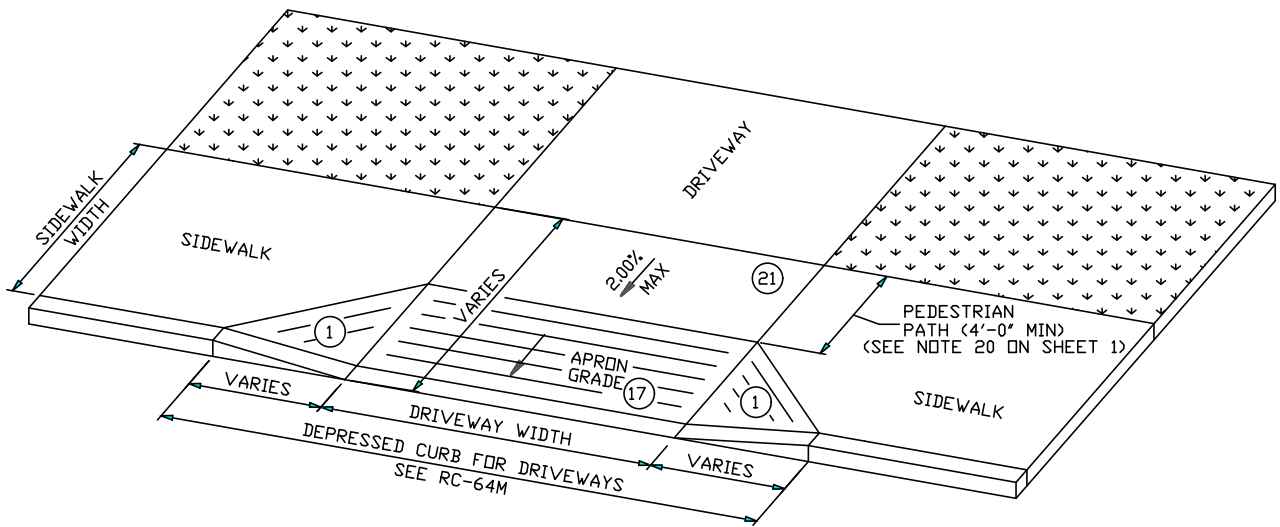
1. RESIDENTIAL - 6" THICKNESS WITH 6X6-W1.4/W1.4 WIREMESH REINFORCEMENT
2. COMMERCIAL - 8" THICKNESS WITH 6X6-W2.1/W2.1 WIREMESH REINFORCEMENT
3. INDUSTRIAL - DESIGN TO BE PROVIDED TO BOROUGH ENGINEER.

*DETERMINATION OF CLASS SUBJECT TO APPROVAL BY THE BOROUGH.



TYPE 1
DRIVEWAY APRON

N.T.S.



TYPE 1A
DRIVEWAY APRON

N.T.S.

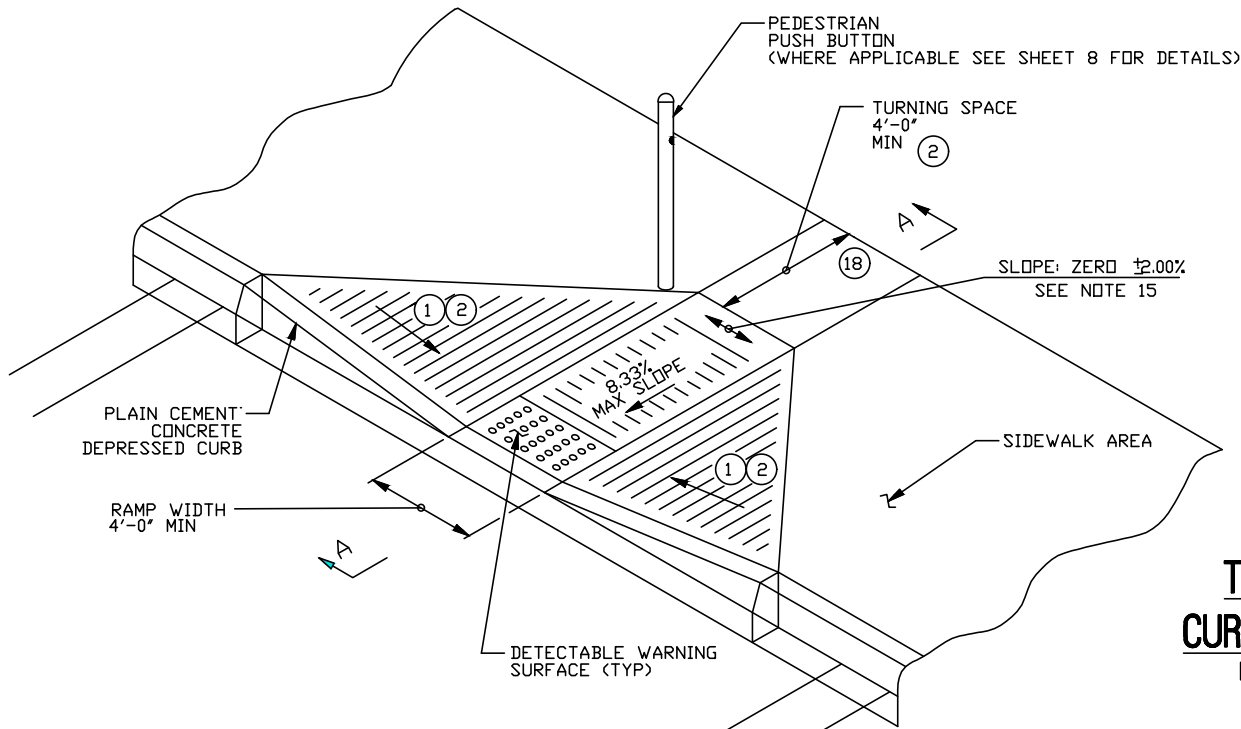
- ① SIDE FLARES 10.00% MAX SLOPE
- ①7 8% MAX CHANGE IN GRADE BETWEEN ROAD SURFACE AND DRIVEWAY
- ②1 MINIMUM SIDEWALK WIDTH 4'-0"

DETAIL - 5
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA

HANDICAPPED CURB RAMP NOTES

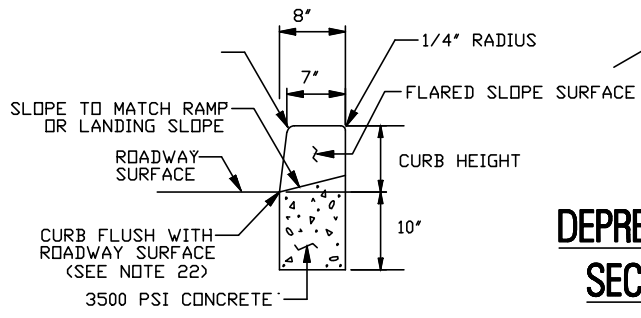
1. PROVIDE MATERIALS AND CONSTRUCT AS SPECIFIED IN PUBLICATION 408, SECTIONS 350, 413, 630, 676 AND 695.
2. PROVIDE EXPANSION JOINT MATERIAL 3/4" THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
3. CONSTRUCT CURB RAMPS WITH A MINIMUM 4'-0" X 4'-0" CLEAR SPACE BEYOND THE CURB FACE, WITHIN THE WIDTH OF THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE. SEE SHEET 7 FOR CROSSWALK DETAILS.
4. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
5. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING SIDE FLARES.
6. MODIFY CONSTRUCTION DETAILS TO ADAPT DIMENSIONS TO EXISTING CURB HEIGHTS WHERE THE CURB IS LESS THAN THE STANDARD 8" HEIGHT.
7. CURB RAMP AND SIDE FLARE LENGTHS ARE VARIABLE AND BASED ON CURB HEIGHT AND THE SIDEWALK SLOPE.
8. TO AVOID CHASING GRADE INDEFINITELY WHEN TRAVERSING THE HEIGHT OF CURB, RAMP LENGTH NOT TO EXCEED 15'-0". ADJUST RAMP SLOPE AS NEEDED TO PROVIDE ACCESS TO THE MAXIMUM EXTENT FEASIBLE.
9. NON-WALK AREA IS AN OBSTRUCTED OR GRASS/NON-PAVED AREA ADJACENT TO THE PEDESTRIAN ACCESS ROUTE THAT IS NOT USED BY THE PEDESTRIAN FOR ACCESS.
10. THE DETAILS DEPICT PEDESTRIAN PUSHBUTTON POLES TO ILLUSTRATE THE RECOMMENDED PLACEMENT OF PEDESTRIAN PUSHBUTTONS. FOR ALTERATION PROJECTS, PROVIDE ACCESS TO EXISTING PEDESTRIAN PUSHBUTTONS TO THE MAXIMUM EXTENT FEASIBLE. INSTALL PEDESTRIAN PUSHBUTTON STUB POLES, WHERE APPLICABLE, SO AS NOT TO CREATE PEDESTRIAN OBSTRUCTIONS.
11. SEE TC-8803 FOR ADDITIONAL PEDESTRIAN PUSHBUTTON DETAILS NOT SHOWN.
12. ALIGN DETECTABLE WARNING SURFACE TRUNCATED DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO CURB. SEE SHEET 9 FOR INSTALLATIONS ALONG CURVED SURFACES.
13. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK NEAR STREET EDGE. PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.
14. FOR NEW CONSTRUCTION, DO NOT EXCEED 2.00% CROSS SLOPE ON THE CURB RAMP OR PEDESTRIAN ACCESSIBLE ROUTE.
15. FOR NEW CONSTRUCTION AND ALTERATIONS, CONSTRUCT CURB RAMP AND FLARE SLOPES WITH THE FLATTEST SLOPE POSSIBLE. THE SLOPES INDICATED IN THE DETAILS SHOW THE MAX SLOPE ALLOWABLE. SLOPES THAT EXCEED THOSE INDICATED IN THE DETAILS, OR CONTRACT DOCUMENTS AS APPLICABLE, WILL NOT BE ACCEPTED AND WILL BE RECONSTRUCTED.
16. CONSTRUCT SIDEWALKS AT A LONGITUDINAL SLOPE NOT TO EXCEED 5.00%. FOR ROADWAY PROFILE SLOPES THAT EXCEED 5.00%, CONSTRUCT PARALLEL SIDEWALKS ADJACENT TO ROADWAY AT A LONGITUDINAL SLOPE NOT TO EXCEED ROADWAY PROFILE SLOPE.
17. THE CHANGE IN GRADE AT THE BOTTOM OF THE CURB RAMP AND ADJOINING ROAD SURFACE IS NOT TO EXCEED AN ALGEBRAIC DIFFERENCE OF 13.33%. THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A CURB RAMP, TURNING SPACE OR BLENDED TRANSITION IS NOT TO EXCEED 5.00%. SEE SHEET 8 FOR DETAILS.
18. THE CONSTRUCTION STANDARDS DEPICTED ARE MOST APPROPRIATE FOR NEW CONSTRUCTION. ALL CONSTRUCTION MUST MEET THE STANDARDS CONTAINED HEREIN UNLESS OTHERWISE NOTED OR DIRECTED.
19. ALL SLOPES ARE MEASURED WITH RESPECT TO A LEVEL PLANE. THEREFORE, THE LENGTH OF RAMP IS NOT SOLELY DEPENDANT ON THE HEIGHT OF CURB. (FOR EXAMPLE, A 6" CURB DOES NOT NECESSARILY MEAN A RAMP LENGTH OF 6'-0" FOR A 12:1 SLOPE.
20. SIDEWALK WIDTH MAY BE REDUCED TO 4'-0", WHEN PASSING AREAS 5'-0" X 5'-0" ARE PROVIDED EVERY 200'.
21. THE TRAVEL LANE IS DEFINED BY THE OUTSIDE EDGE OF THE WHITE PAVEMENT MARKING LINE. IF A WHITE PAVEMENT MARKING LINE DOES NOT EXIST, THE TRAVEL LANE IS DEFINED BY THE CONTRACT DOCUMENTS.
22. CONSTRUCT DEPRESSED CURB FOR CURB RAMPS FLUSH TO ADJACENT ROADWAY. GRADE EDGE OF ROAD ELEVATIONS AT THE FLOW LINE TO ENSURE POSITIVE DRAINAGE AND PREVENT PONDING. FOR LEVEL TURNING SPACES BEHIND DEPRESSED CURB, ADJUST SLOPES TO PROVIDE POSITIVE DRAINAGE. AT THE JOINT BETWEEN DEPRESSED CURB AND ROADWAYS, REMOVE EXCESS JOING SEALER AND COVER THE SEALED AREA WITH A LIGHT APPLICATION OF DRY SAND.
23. CHEEK WALLS ARE PERMITTED WHEN ADJACENT TO NON-WALK AREAS OR ELEVATION DIFFERENCES CANNOT BE ACCOMMODATED BY FLARES OR GRADING. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AT 3:1 MAXIMUM. DO NOT INSTALL CHEEK WALLS THAT INTERSECT THE PEDESTRIAN PATH.
24. CONSTRUCT TOP OF PLAIN CEMENT CONCRETE DEPRESSED CURB TO BE FLUSH WITH ADJACENT SURFACES (RAMPS, SIDEWALKS, FLARES).
25. FOR CURB RAMPS THAT LEAD TO A SINGLE CROSSWALK, THE RAMP (EXCLUDING FLARES) TO BE FULLY INSIDE OF MARKED CROSSWALK LINES. SEE SHEET 7 FOR DETAILS.
26. A 4'-0" MAXIMUM DIGITAL DISPLAY LEVEL WILL BE USED TO VERIFY THE SLOPES OF CURB RAMPS AND SIDEWALKS.
27. INSTALL DUMMY JOINTS WHERE RAMPS, TURNING SPACES, FLARES, AND SIDEWALKS ABUT.
28. CONSTRUCT DEPRESSED CURB SLOPE TO MATCH ROADWAY PROFILE AND HAVE A FLUSH CONNECTION. TRANSITION CURB RAMP CROSS SLOPE TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3.00% PER 1'-0" CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
29. DO NOT SCORE OR MAKE GROOVES ON SLOPED SURFACES. LINES SHOWN ON DETAILS ARE FOR ILLUSTRATION ONLY. SEE NOTE 5.
30. THE DEPRESSED CURB MAY BE PLACED MONOLITHICALLY WITH CURB RAMP, SIDE FLARES, OR BOTH. DO NOT PLACE DEPRESSED CURB MONOLITHICALLY WITH OTHER CEMENT CONCRETE SIDEWALK.

DETAIL - 6
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA

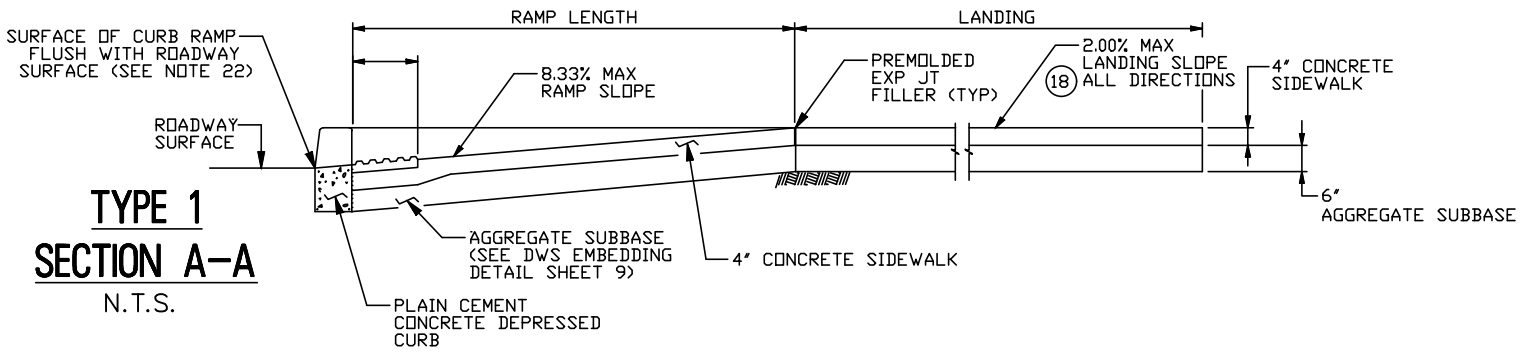


**TYPE 1
CURB RAMP**
N.T.S.

- ① SIDE FLARES 10.00% MAX SLOPE
- ② IF THE TURNING SPACE IS INDICATED TO BE LESS THAN 4'-0", CONSTRUCT SIDE FLARES 8.33% MAX. SLOPE.
- ⑱ CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

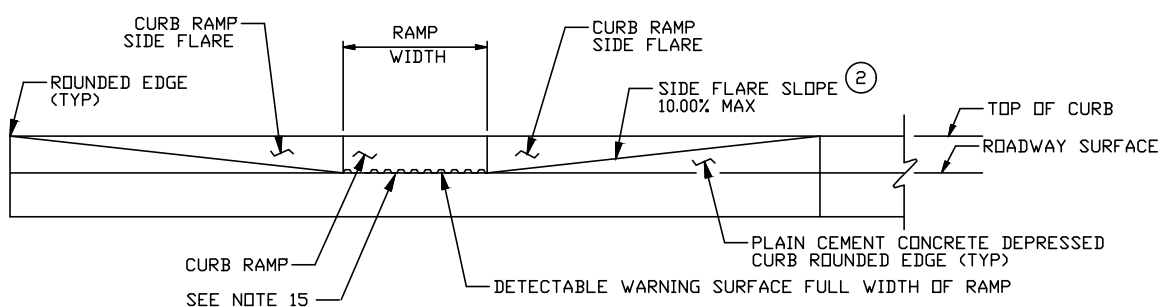


**DEPRESSED CURB
SECTION B-B**
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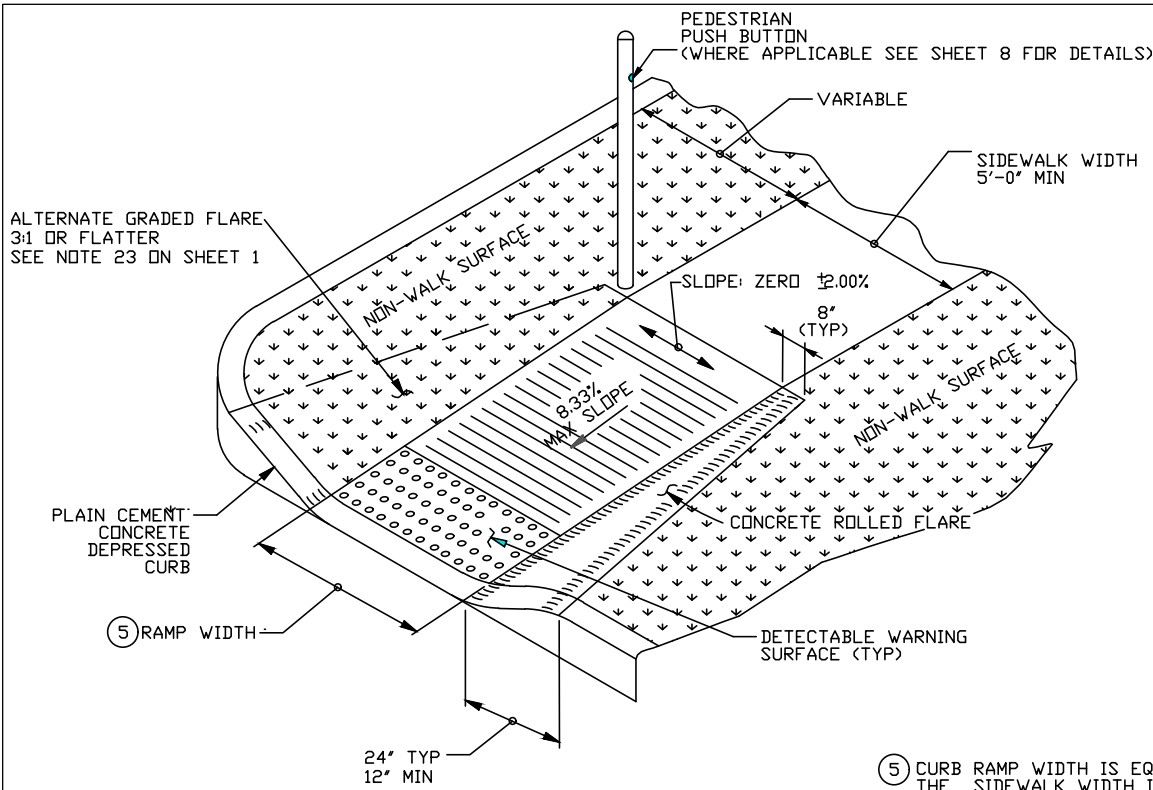


**TYPE 1
SECTION A-A**
N.T.S.

**TYPE 1
ELEVATION**
N.T.S.

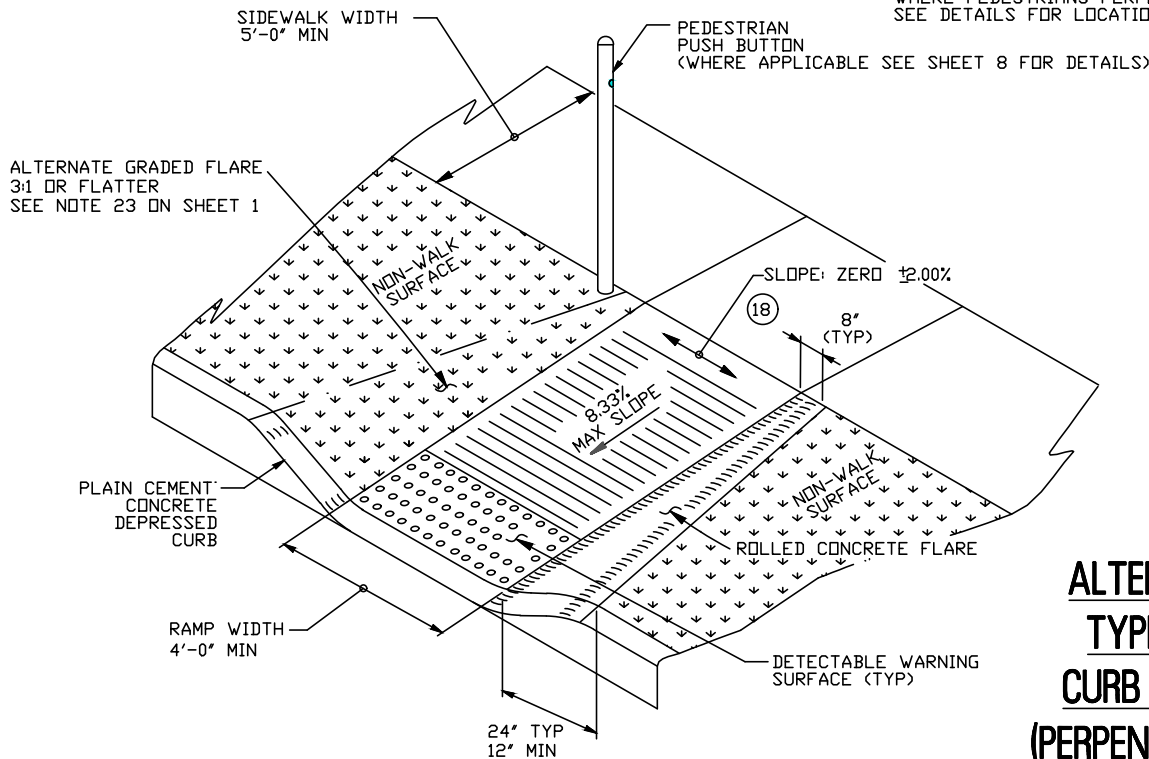


NOTE:
 1. FACE FORMING OF CURBS IS PERMITTED WITH PRIOR APPROVAL FROM BOROUGH.
 2. HANDICAP RAMPS ARE SUBJECT TO REVIEW BY THE BOROUGH'S ENGINEER PRIOR TO CONSTRUCTION. REFERENCE THE BOROUGH'S CURRENT FEE SCHEDULE FOR ENGINEERING REVIEW FEE.



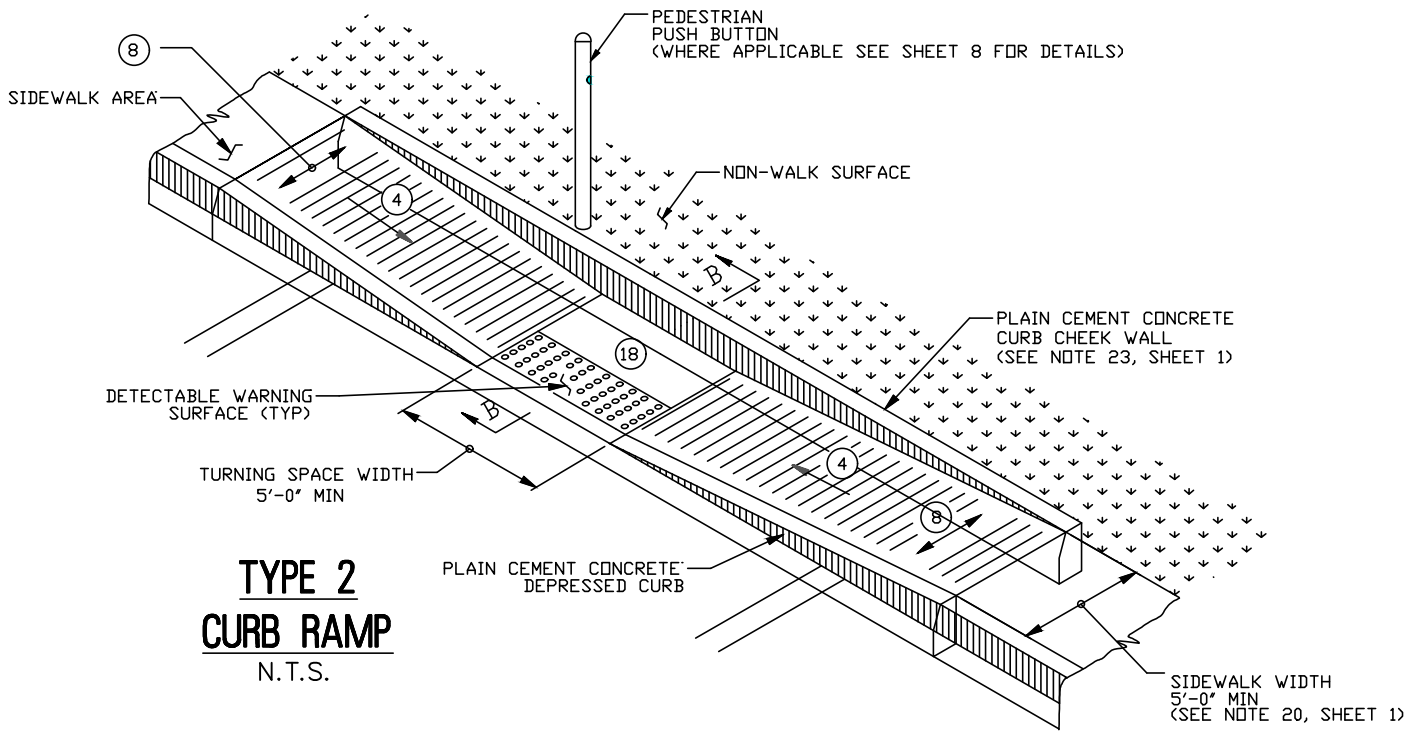
**ALTERNATE
TYPE 4A
CURB RAMP
(PARALLEL)**
N.T.S.

- (5) CURB RAMP WIDTH IS EQUAL TO SIDEWALK WIDTH WHEN THE SIDEWALK WIDTH IS GREATER THAN OR EQUAL TO 4'-0".
- (18) CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

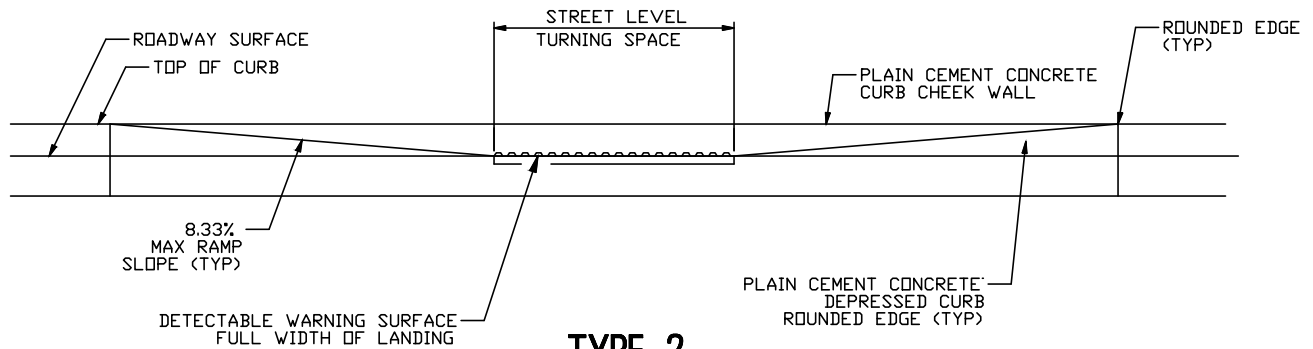


**ALTERNATE
TYPE 4A
CURB RAMP
(PERPENDICULAR)**
N.T.S.

- NOTE:
1. FACE FORMING OF CURBS IS PERMITTED WITH PRIOR APPROVAL FROM BOROUGH.
 2. HANDICAP RAMPS ARE SUBJECT TO REVIEW BY THE BOROUGH'S ENGINEER PRIOR TO CONSTRUCTION. REFERENCE THE BOROUGH'S CURRENT FEE SCHEDULE FOR ENGINEERING REVIEW FEE.

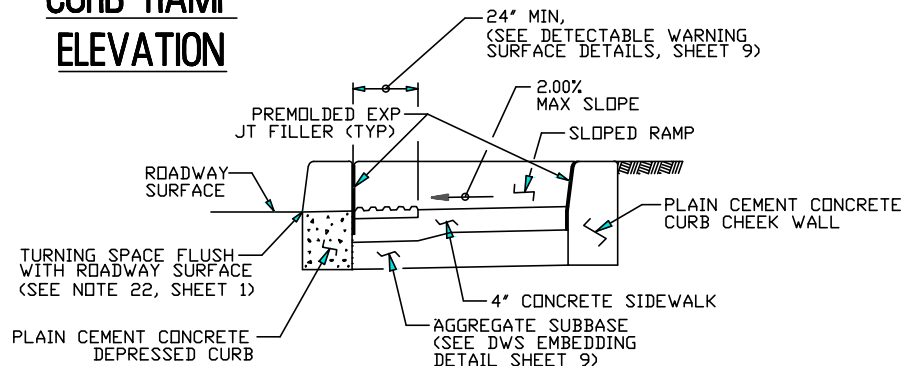


**TYPE 2
CURB RAMP**
N.T.S.



**TYPE 2
CURB RAMP
ELEVATION**

- (4) 8.33% MAX RAMP SLOPE
- (8) SLOPE: ZERO \pm 2.00%
- (18) CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

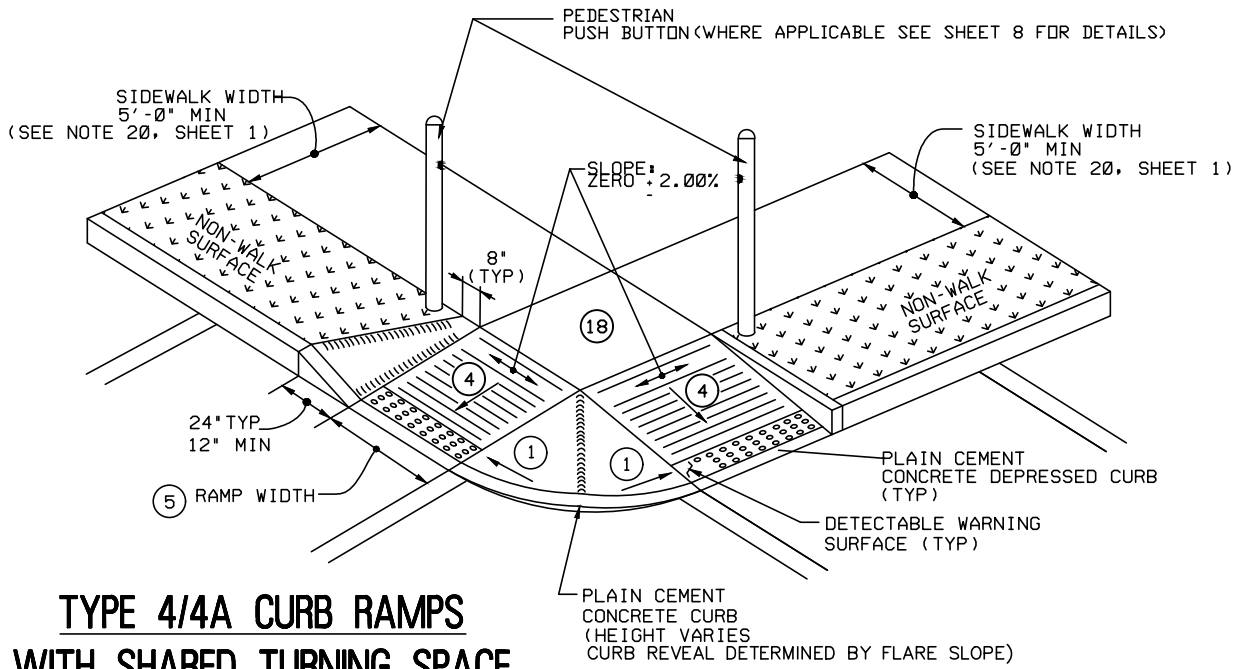


**TYPE 2
CURB RAMP
SECTION B-B**
N.T.S.

- NOTE:
1. FACE FORMING OF CURBS IS PERMITTED WITH PRIOR APPROVAL FROM BOROUGH.
 2. HANDICAP RAMPS ARE SUBJECT TO REVIEW BY THE BOROUGH'S ENGINEER PRIOR TO CONSTRUCTION. REFERENCE THE BOROUGH'S CURRENT FEE SCHEDULE FOR ENGINEERING REVIEW FEE.

DETAIL - 9

TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



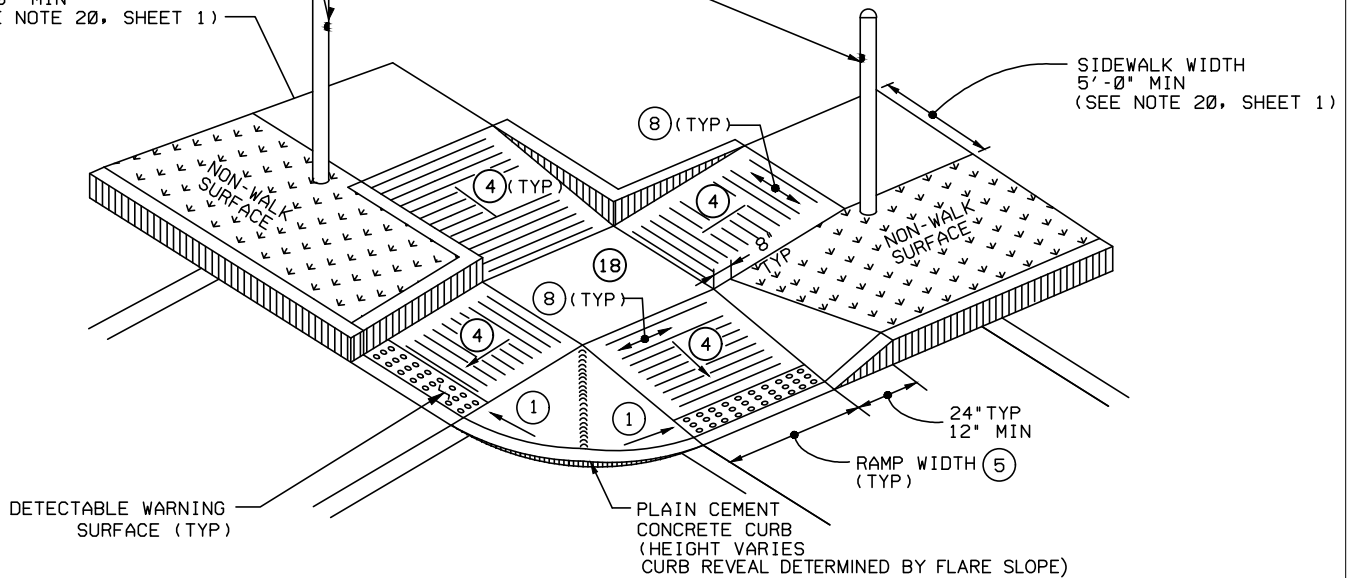
**TYPE 4/4A CURB RAMPS
WITH SHARED TURNING SPACE**

N.T.S.

- ① SIDE FLARES 10.00% MAX SLOPE
- ④ 8.33% MAX RAMP SLOPE
- ⑤ CURB RAMP WIDTH IS EQUAL TO SIDEWALK WIDTH WHEN THE SIDEWALK WIDTH IS GREATER THAN OR EQUAL TO 4'-0".
- ⑧ SLOPE: ZERO +/- 2.00%
- ⑱ CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

PEDESTRIAN PUSH BUTTON
(WHERE APPLICABLE
SEE SHEET 8 FOR DETAILS)

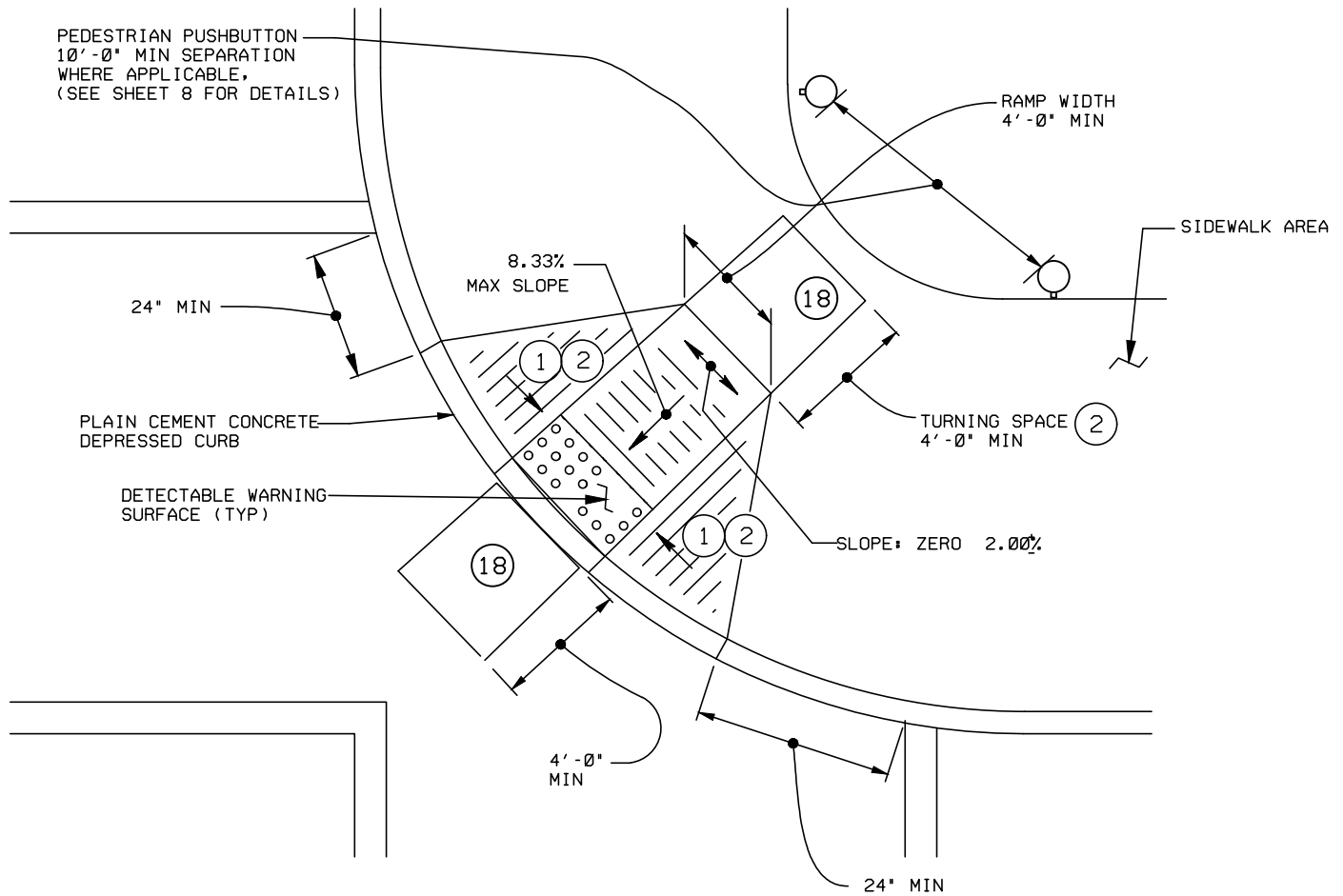
SIDEWALK WIDTH
5'-0" MIN
(SEE NOTE 20, SHEET 1)



**TYPE 6 CURB RAMPS
WITH SHARED TURNING SPACE**

N.T.S.

- NOTE:
1. FACE FORMING OF CURBS IS PERMITTED WITH PRIOR APPROVAL FROM BOROUGH.
 2. HANDICAP RAMPS ARE SUBJECT TO REVIEW BY THE BOROUGH'S ENGINEER PRIOR TO CONSTRUCTION. REFERENCE THE BOROUGH'S CURRENT FEE SCHEDULE FOR ENGINEERING REVIEW FEE.



**TYPE 1
CURB RAMP
(DIAGONAL – REQUIRES ASSISTANT
DISTRICT EXECUTIVE APPROVAL)**

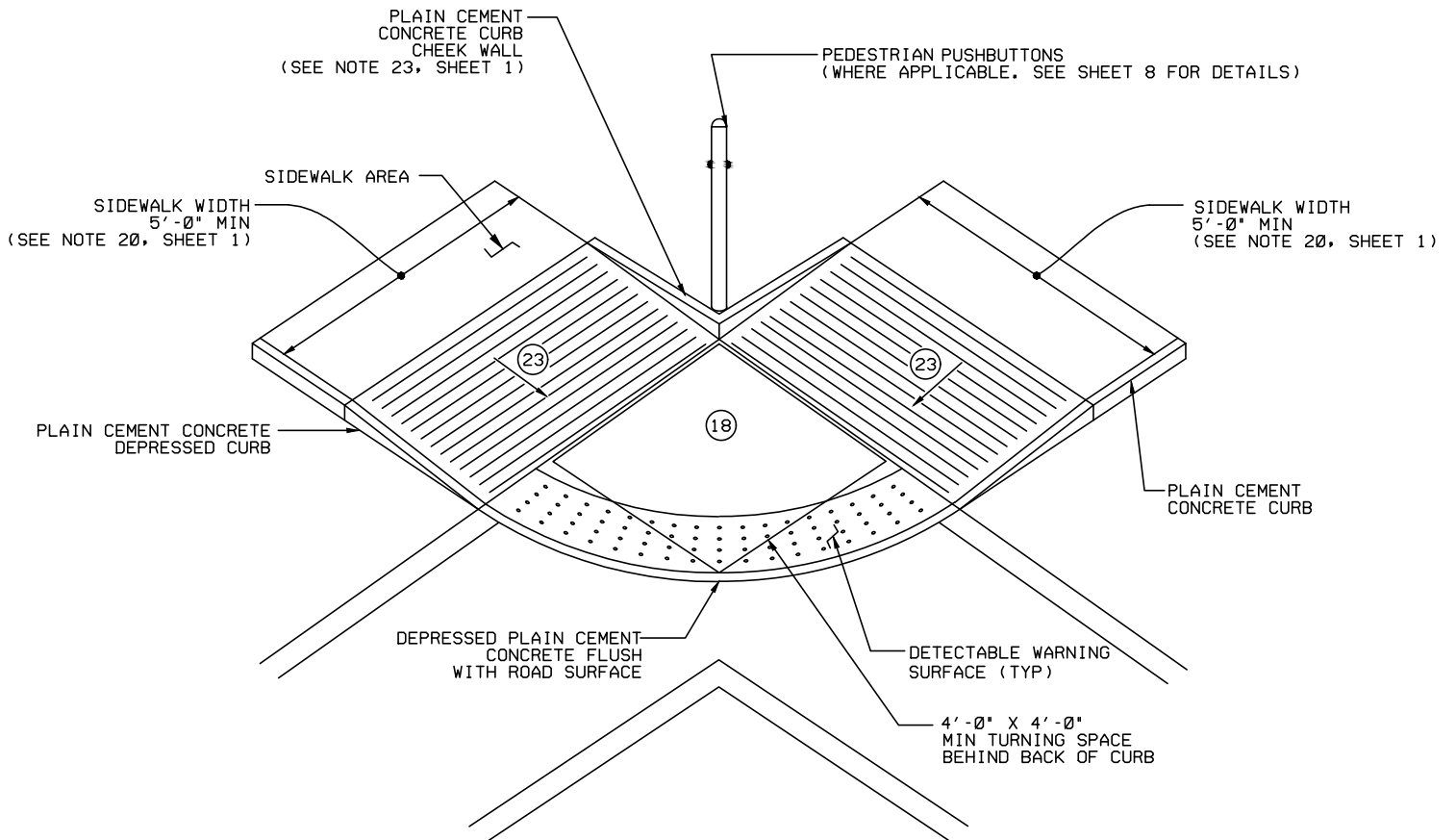
N.T.S.

- 1 SIDE FLARES 10.00% MAX SLOPE
- 2 IF THE TURNING SPACE IS INDICATED TO BE LESS THAN 4'-0",
CONSTRUCT SIDE FLARES 8.33% MAX. SLOPE.
- 18 CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM
CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%
WHERE PEDESTRIANS PERFORM TURNING MANEUVERS.
SEE DETAILS FOR LOCATIONS AND DIMENSIONS.

NOTE:

1. FACE FORMING OF CURBS IS PERMITTED WITH
PRIOR APPROVAL FROM BOROUGH.
2. HANDICAP RAMPS ARE SUBJECT TO REVIEW BY THE BOROUGH'S
ENGINEER PRIOR TO CONSTRUCTION. REFERENCE THE BOROUGH'S
CURRENT FEE SCHEDULE FOR ENGINEERING REVIEW FEE.

**DETAIL – 11
TYPICAL DETAILS
BOROUGH OF CONSHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA**



- ⑱ CURB RAMPS REQUIRE A TURNING SPACE WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SEE DETAILS FOR LOCATIONS AND DIMENSIONS.
- ⑳ 5.00% MAX RUNNING SLOPE FOR BLENDED TRANSITION. FOR SLOPES GREATER THAN 5.00% SEE TYPE 2 CURB RAMPS ON SHEET 3 FOR ADDITIONAL DETAILS.

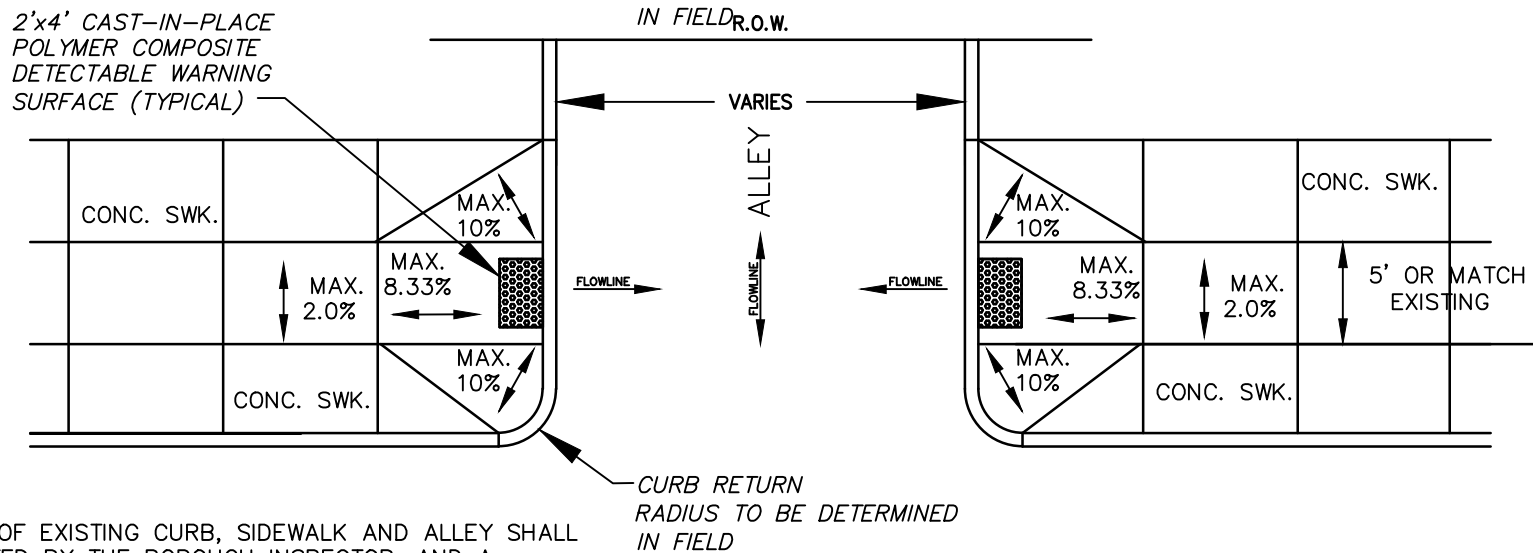
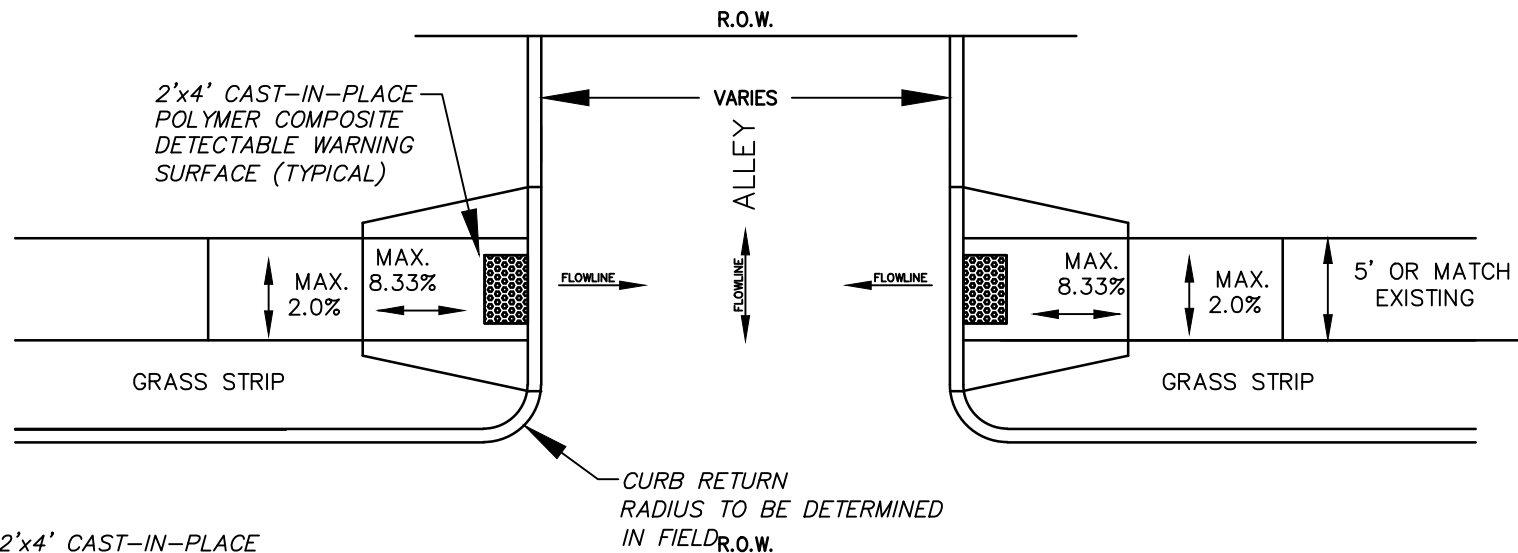
BLENDED TRANSITION

N.T.S.

NOTES:

1. DO NOT INSTALL GRATINGS, ACCESS COVERS AND OTHER APPURTENANCES ON THE BLENDED TRANSITION SURFACE WITHIN THE PEDESTRIAN ACCESS ROUTE. EXISTING UTILITY COVERS IN THE PATH OF TRAVEL ARE ACCEPTABLE IF THE TOP SURFACE IS FLUSH [LESS THAN 1/4" IN ELEVATION DIFFERENCE], FIRM, STABLE AND SLIP RESISTANT. INLET GRATES MUST HAVE OPENINGS NO GREATER THAN 1/2" IN DIRECTION OF TRAVEL.
2. FACE FORMING OF CURBS IS PERMITTED WITH PRIOR APPROVAL FROM BOROUGH.
3. HANDICAP RAMPS ARE SUBJECT TO REVIEW BY THE BOROUGH'S ENGINEER PRIOR TO CONSTRUCTION. REFERENCE THE BOROUGH'S CURRENT FEE SCHEDULE FOR ENGINEERING REVIEW FEE.

DETAIL - 12
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



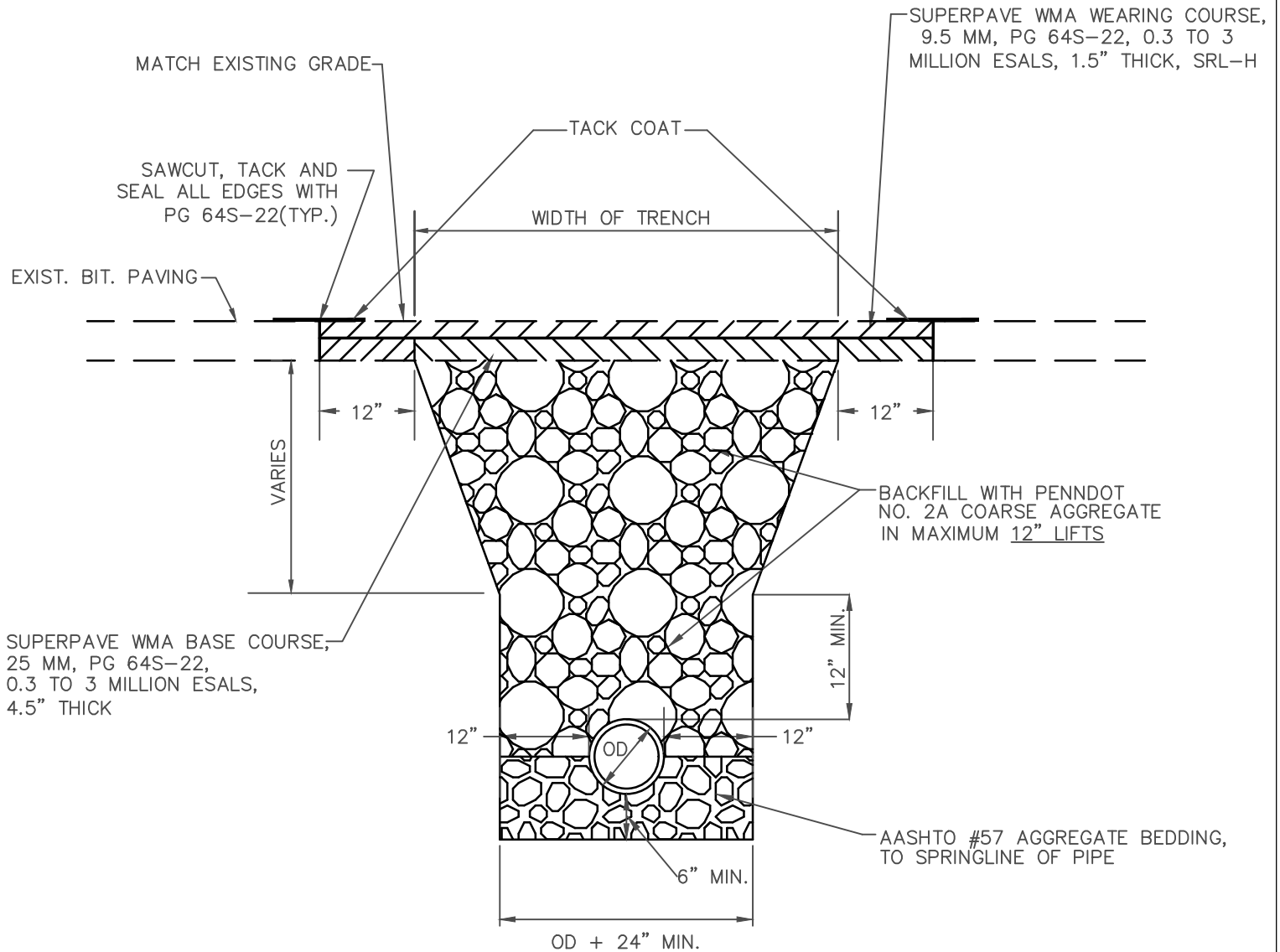
NOTES:

1. CONDITION OF EXISTING CURB, SIDEWALK AND ALLEY SHALL BE INSPECTED BY THE BOROUGH INSPECTOR, AND A DETERMINATION WILL BE MADE AS TO THE EXTENT OF REPLACEMENT REQUIRED.
2. CONCRETE CURB SHALL BE INSTALLED WHERE NO CURB EXISTS CURRENTLY. CURB RETURNS SHALL BE INSTALLED TO THE RIGHT-OF-WAY LINE.
3. THE ALLEY SHALL BE RESTORED AS DIRECTED BY THE BOROUGH INSPECTOR. ALLEY RESTORATIONS WITHIN THE RIGHT-OF-WAY OF THE ADJOINING BOROUGH STREET SHALL BE IN ACCORDANCE WITH BOROUGH STREET RESTORATION STANDARDS.
4. FACE FORMING OF CURBS IS PERMITTED WITH PRIOR APPROVAL FROM BOROUGH.
3. HANDICAP RAMPS ARE SUBJECT TO REVIEW BY THE BOROUGH'S ENGINEER PRIOR TO CONSTRUCTION. REFERENCE THE BOROUGH'S CURRENT FEE SCHEDULE FOR ENGINEERING REVIEW FEE.

ALLEY INTERSECTION WITH BOROUGH STREET DETAIL

N.T.S.

DETAIL - 13
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



**PARALLEL ROADWAY TRENCH AND PAVEMENT RESTORATION DETAIL
(BITUMINOUS CONCRETE)**

N.T.S.

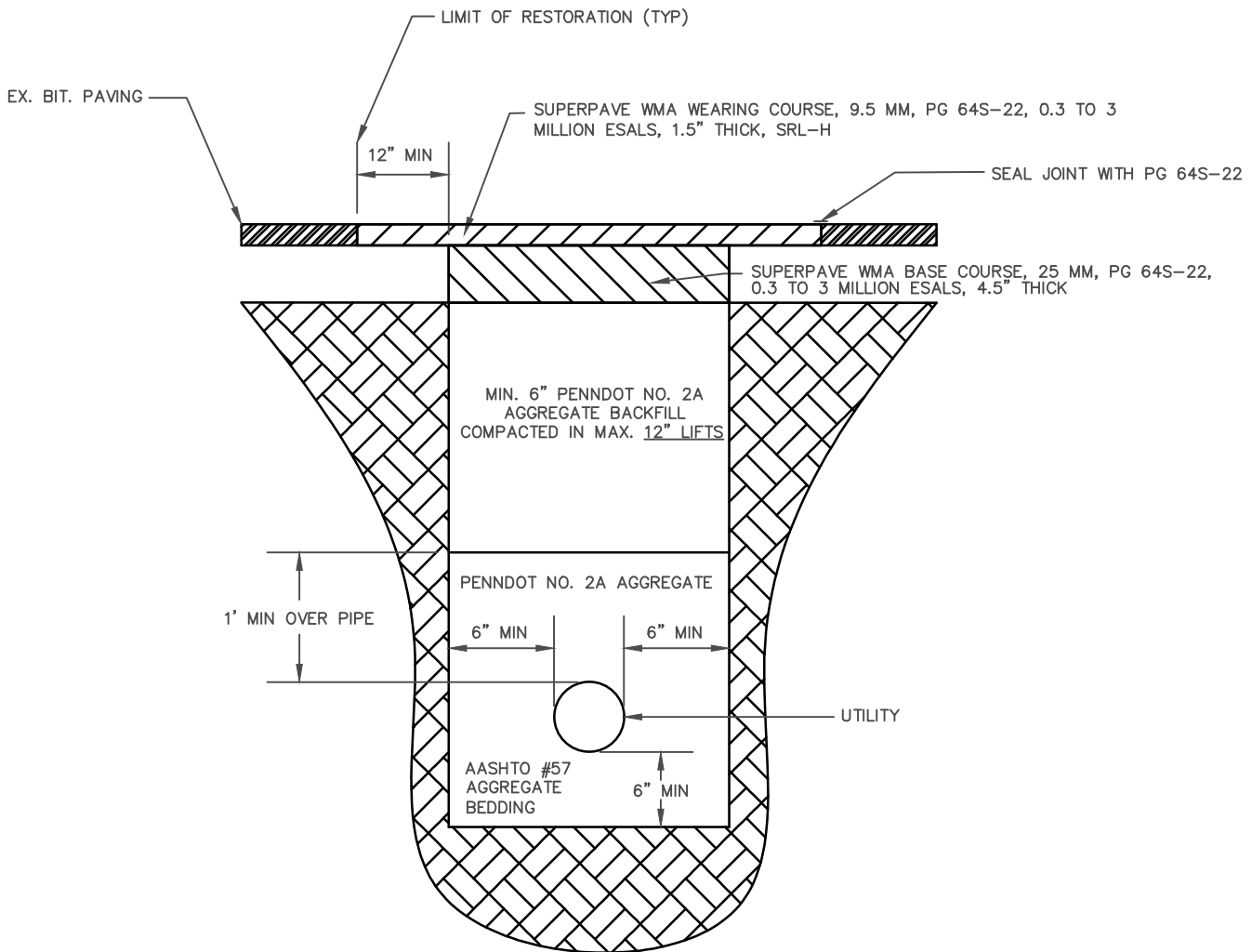
SPECIAL NOTES:

NOTE:

1. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE WIDTH OF TRENCH.
2. FOR UTILITY LATERAL TRENCH RESTORATION SEE DETAIL-13
3. RESTORATIONS ON STATE HIGHWAYS REQUIRE PENNDOT APPROVAL.
4. TRENCHES SHALL BE PUMPED THROUGH A FILTER BAG WHEN DEWATERING.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR TRENCH SAFETY.

1. DETAIL 14 IS FOR RESURFACING REQUIREMENTS FOR MAIN TRENCHES.
2. SEE DETAIL 15 FOR THE LATERAL AND SERVICE TRENCH DETAIL.
3. COMPACTION TESTING WILL BE REQUIRED FOR LARGE UTILITY PROJECTS AT THE DISCRETION OF THE BOROUGH AND BOROUGH ENGINEER. COMPACTION TESTS SHALL CONFORM TO NOT LESS THAN THE FOLLOWING PERCENTAGE OF THE MAXIMUM DRY DENSITY:
 1. STRUCTURES & BUILDING AREAS - 95%
 2. LAWNS & UNPAVED AREAS - 90%
 3. PAVEMENT, DRIVEWAYS & WALKWAY AREAS - 95%

**DETAIL - 14
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA**



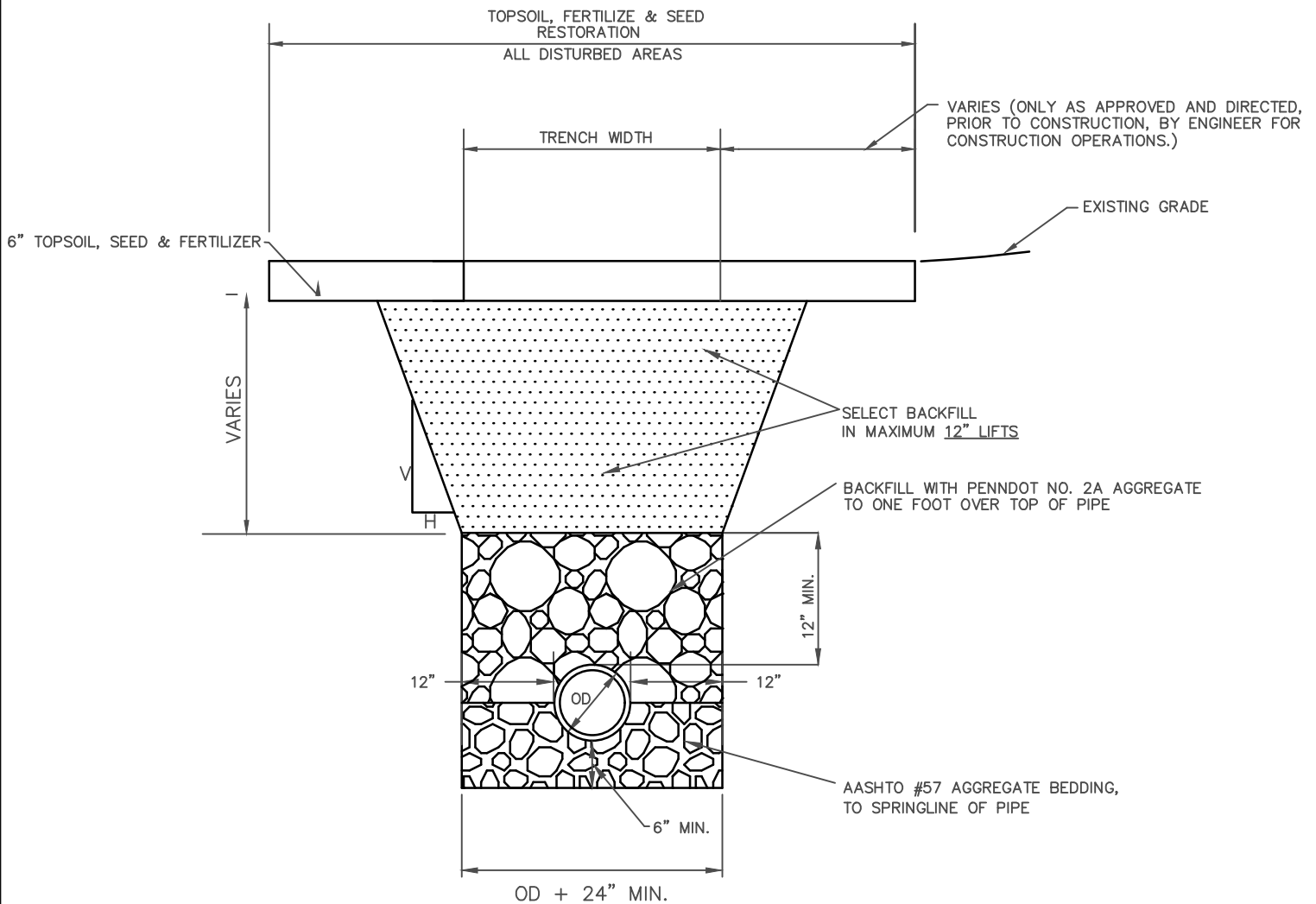
UTILITY LATERAL TRENCH RESTORATION (PERPENDICULAR TO ROADWAY)

N.T.S.

SPECIAL NOTES:

- NOTE:**
1. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE WIDTH OF TRENCH.
 2. FOR UTILITY MAIN TRENCH RESTORATION SEE DETAIL-12
 3. RESTORATIONS ON STATE HIGHWAYS REQUIRE PENNDOT APPROVAL.
 4. TRENCHES SHALL BE PUMPED THROUGH A FILTER BAG WHEN DEWATERING.
 5. THE CONTRACTOR IS SOLEY RESPONSIBLE FOR TRENCH SAFETY.
 6. ALL LATERAL TRENCHES SHALL BE REPAIRED USING AN INFRARED SEAMLESS REPAIR METHOD.
1. UTILITY PATCHES WITHIN FIVE (5) FEET OF OTHER UTILITY PATCHES SHALL BE JOINED IN ORDER TO LIMIT THE NUMBER OF JOINTS IN THE PAVEMENT. THE PAVEMENT INTERFACE WITH THE CURB IS CONSIDERED A JOINT. PATCHES WITHIN FIVE (5) OF THE CURB SHALL BE EXTENDED TO THE CURB.
 2. COMPACTION TESTING WILL BE REQUIRED FOR LARGE UTILITY PROJECTS AT THE DISCRETION OF THE BOROUGH AND BOROUGH ENGINEER. COMPACTION TESTS SHALL CONFORM TO NOT LESS THAN THE FOLLOWING PERCENTAGE OF THE MAXIMUM DRY DENSITY:
 1. STRUCTURES & BUILDING AREAS - 95%
 2. LAWNS & UNPAVED AREAS - 90%
 3. PAVEMENT, DRIVEWAYS & WALKWAY AREAS - 95%

DETAIL - 15
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



TYPICAL TRENCH DETAIL FOR GRASSED AREA

N.T.S.

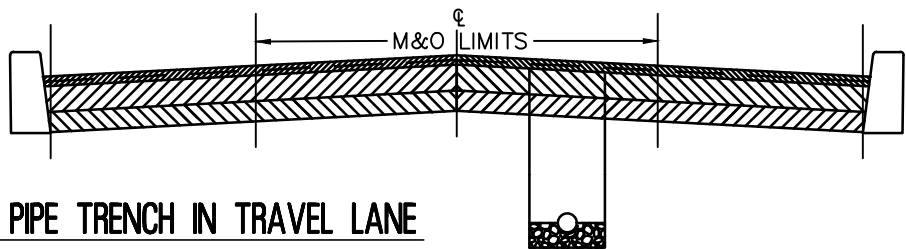
SPECIAL NOTE:

1. COMPACTION TESTING WILL BE REQUIRED FOR LARGE UTILITY PROJECTS AT THE DISCRETION OF THE BOROUGH AND BOROUGH ENGINEER. COMPACTION TESTS SHALL CONFORM TO NOT LESS THAN THE FOLLOWING PERCENTAGE OF THE MAXIMUM DRY DENSITY:
 1. STRUCTURES & BUILDING AREAS - 95%
 2. LAWNS & UNPAVED AREAS - 90%
 3. PAVEMENT, DRIVEWAYS & WALKWAY AREAS - 95%

NOTE:

1. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE WIDTH OF TRENCH.
2. TRENCHES SHALL BE PUMPED THROUGH A FILTER BAG WHEN DEWATERING.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR TRENCH SAFETY.

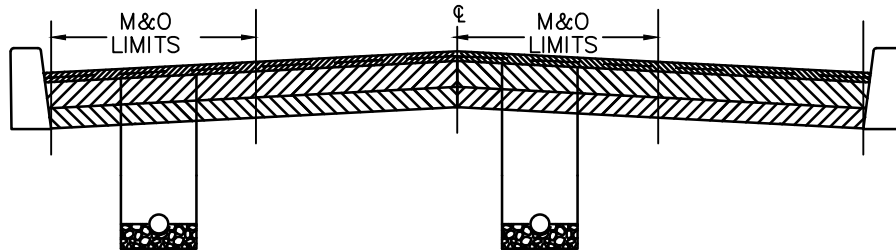
DETAIL - 16
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



PIPE TRENCH IN TRAVEL LANE

1-WAY STREET

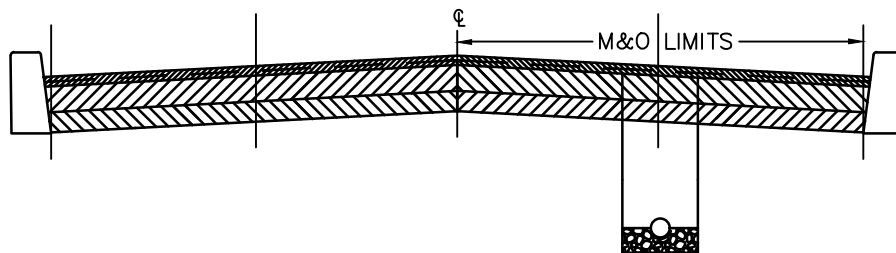
N.T.S.



PIPE TRENCH IN PARKING LANE, TRAVEL LANE OR ORIGINAL PAVING PASS

2-WAY STREET

N.T.S.



PIPE TRENCH AFFECTING 2 LANES OR ORIGINAL PAVING PASSES

2-WAY STREET

N.T.S.

NOTES:

1. AT THE DISCRETION OF THE BOROUGH, LARGE UTILITY PROJECTS CAN OPT TO PERFORM A CURB TO CURB MILL AND OVERLAY OF THE PROJECT SITE IN LIEU OF THE HIGHWAY PERMIT FEES REQUIRED BY THE BOROUGH'S CURRENT FEE SCHEDULE.
2. UTILITY MAIN REPAIRS OR REPLACEMENTS WILL REQUIRE COMPLETE MILL AND OVERLAY OF THE PARKING LANE, TRAVEL LANE OR ORIGINAL PAVING PASS IN WHICH THE REPAIR FALLS. MAIN REPAIRS OR REPLACEMENTS WHICH REQUIRE TRENCHING ACROSS TWO (2) TRAVEL LANES, A TRAVEL LANE AND A PARKING LANE, OR ACROSS TWO ORIGINAL PAVING PASSES WILL REQUIRE COMPLETE MILL AND OVERLAY OF THE TRAVEL LANE(S) AND/OR PARKING LANE(S) AFFECTED.
3. MILL AND OVERLAY SHALL INCLUDE MILLING THE EXISTING BITUMINOUS CONCRETE PAVEMENT TO 1.5" DEPTH, PERFORMING ANY NECESSARY BASE REPAIRS, AND INSTALLING A NEW 1.5" THICK SURFACE COURSE LAYER OF PAVEMENT (WMA SURFACE COURSE, PG64S-22, 9.5MM).
4. AFTER MILLING, THE EXPOSED SURFACE SHALL BE TEST ROLLED WITH A FULLY LOADED DUMP TRUCK TO IDENTIFY AREAS REQUIRING BASE REPAIRS. THE TEST ROLL SHALL BE WITNESSED BY THE BOROUGH.
5. THE EXACT LIMITS OF PAVING SHALL BE DETERMINED IN THE FIELD. THE BOROUGH RESERVES THE RIGHT TO ADJUST THE PAVING LIMITS IN ORDER TO MATCH THE SEAMS FROM THE ORIGINAL PAVING OPERATION OR OTHERWISE TO PRESERVE TO THE INTEGRITY OF THE ROAD TO THE GREATEST EXTENT PRACTICAL.
6. PAVING LIMITS SHALL BE EXPANDED TO INCLUDE ALL DISTURBANCE FROM LATERAL OF SERVICE INSTALLATIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL PAVEMENT MARKINGS REMOVED BY THE UTILITY CONSTRUCTION, INCLUDING DECORATIVE CROSSWALKS.
8. REFERENCE THE BOROUGH'S CURRENT FEE SCHEDULE FOR THE COST OF HIGHWAY PERMITS.

STREET DEGRADATION RESURFACING DETAILS

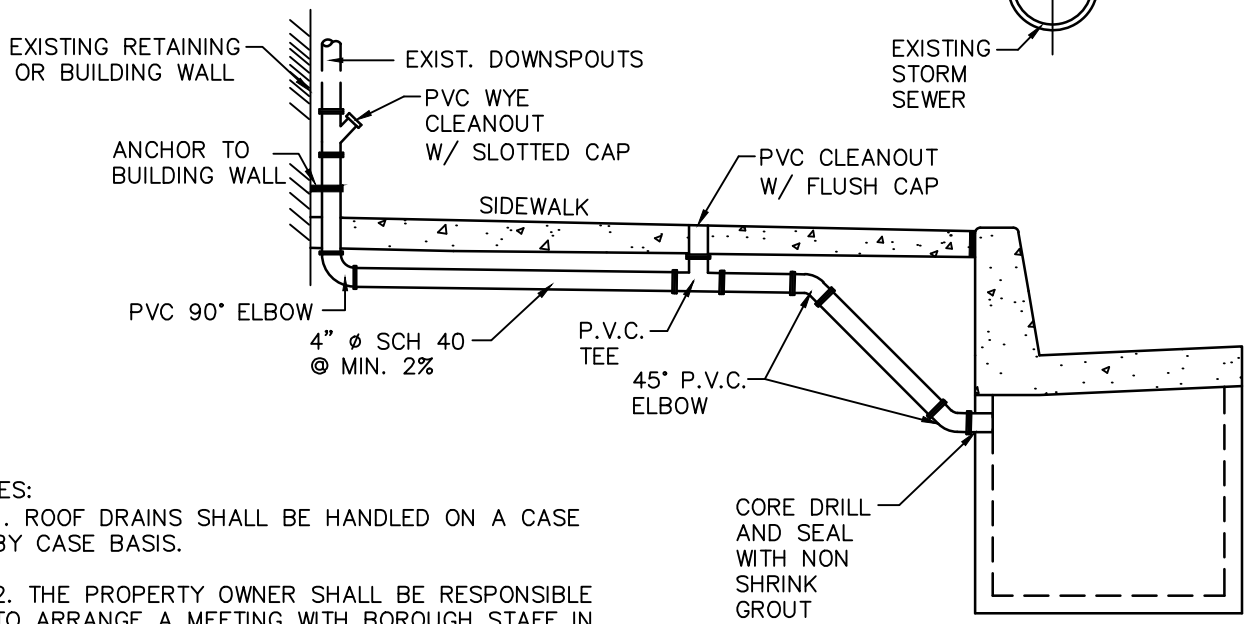
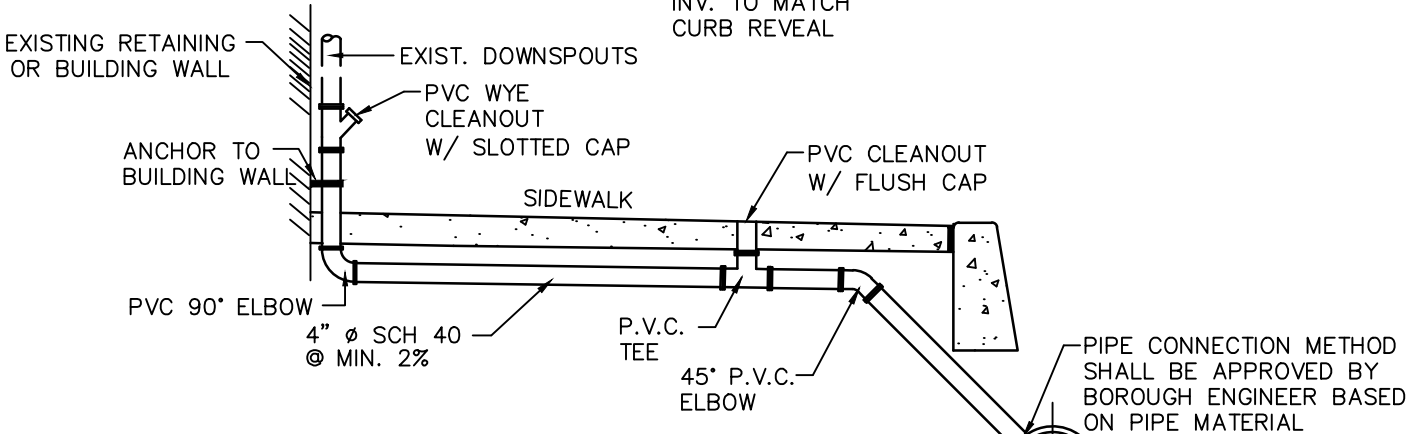
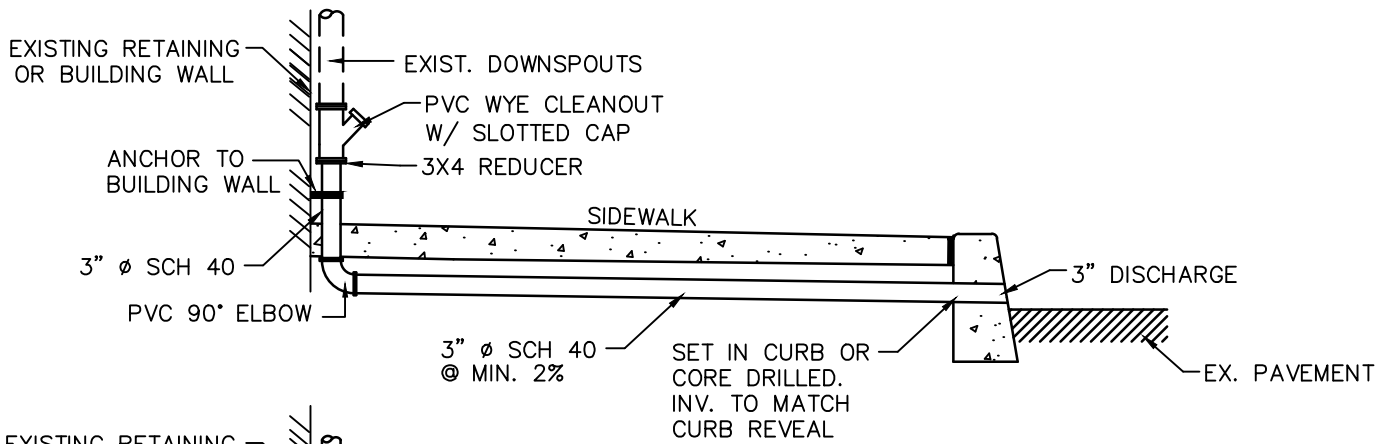
N.T.S.

DETAIL - 17

TYPICAL DETAILS

BOROUGH OF CONSHOHOCKEN

MONTGOMERY COUNTY, PENNSYLVANIA



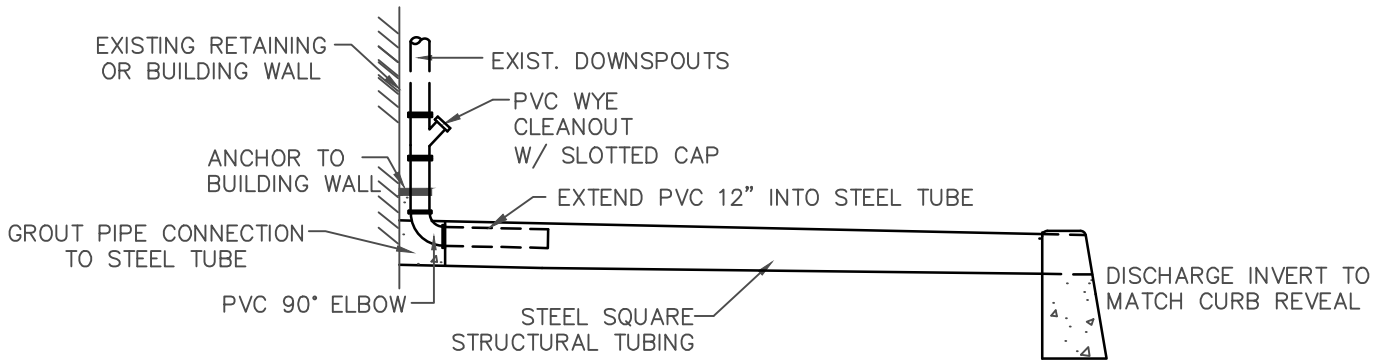
NOTES:

1. ROOF DRAINS SHALL BE HANDLED ON A CASE BY CASE BASIS.
2. THE PROPERTY OWNER SHALL BE RESPONSIBLE TO ARRANGE A MEETING WITH BOROUGH STAFF IN ORDER TO DETERMINE THE APPROPRIATE CONSTRUCTION DETAIL.
3. NO WORK SHALL BE PERFORMED WITHOUT THE BOROUGH'S APPROVAL OF THE PROPOSED CONSTRUCTION DETAIL.
4. SEE DETAIL 17 FOR THE STEEL TUBE ROOF DRAIN ENCASEMENT DETAIL.

ROOF DRAIN DETAILS

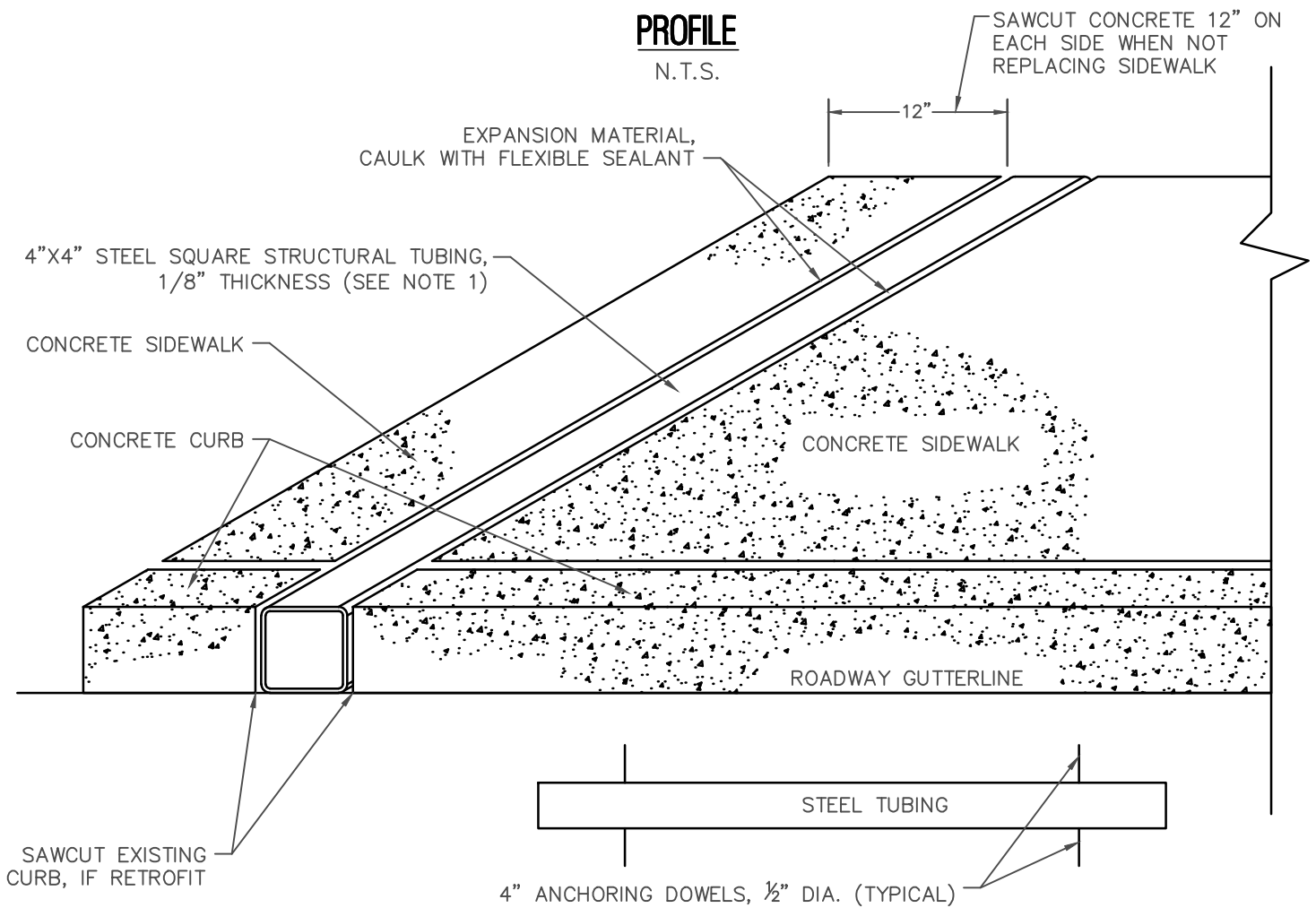
N.T.S.

DETAIL - 18
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



PROFILE

N.T.S.



STEEL TUBE ROOF DRAIN ENCASEMENT DETAIL

N.T.S.

NOTES:

1. EXACT SIZE OF STEEL TUBING TO BE DETERMINED BY FIELD CONDITIONS OF PROJECT LOCATION, AND CURB REVEAL.
2. FOR RETROFITS SIDEWALK SHALL BE SAWCUT 12" ON EACH SIDE OF PROPOSED ROOF DRAIN LEADER ENCASEMENT. EXISTING CURB SHALL BE CUT TO THE OUTSIDE DIMENSION OF THE STEEL TUBING.
3. DOWELL SPACING TO BE DETERMINED BY LENGTH OF TUBING AND WIDTH OF SIDEWALK AT THE PROJECT LOCATION. (MINIMUM 4)

DETAIL - 19
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA

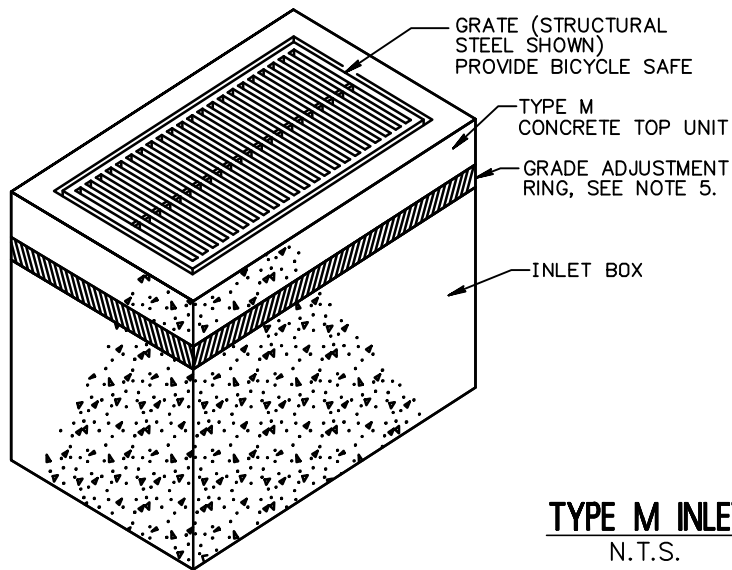
NOTES:

1. PRECAST INLET STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH PENNDOT STANDARD DETAIL FOR ROADWAY CONSTRUCTION RC-45M AND RC-46M.

2. ALL INLETS SHALL BE FINISHED WITH CONCRETE FLOW CHANNELS IN THE BASE.

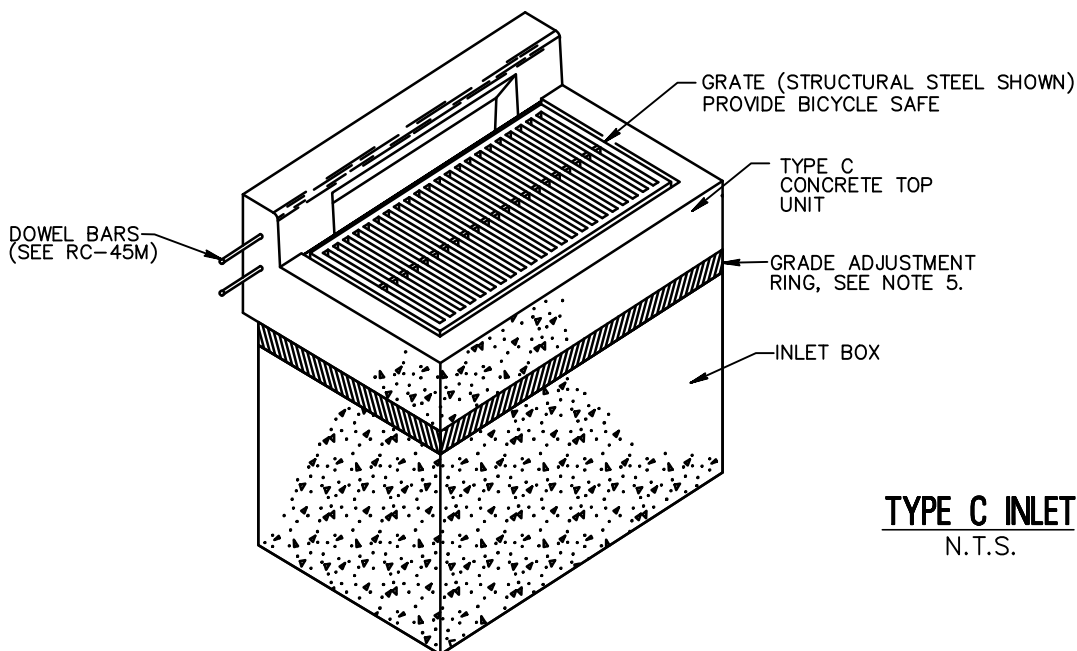
3. INLET TOP UNITS SHALL BE SET TO GRADE AND ADJUSTED TO MATCH THE ROADWAY PROFILE SLOPE.

4. STORMWATER INLETS ASSOCIATED WITH NEW CONSTRUCTION SHALL HAVE 8" TOP UNITS AND BE SET 2.5" BELOW FINISHED GUTTERLINE GRADE PER DETAIL - 19 OF THESE TYPICAL DEATILS.



TYPE M INLET

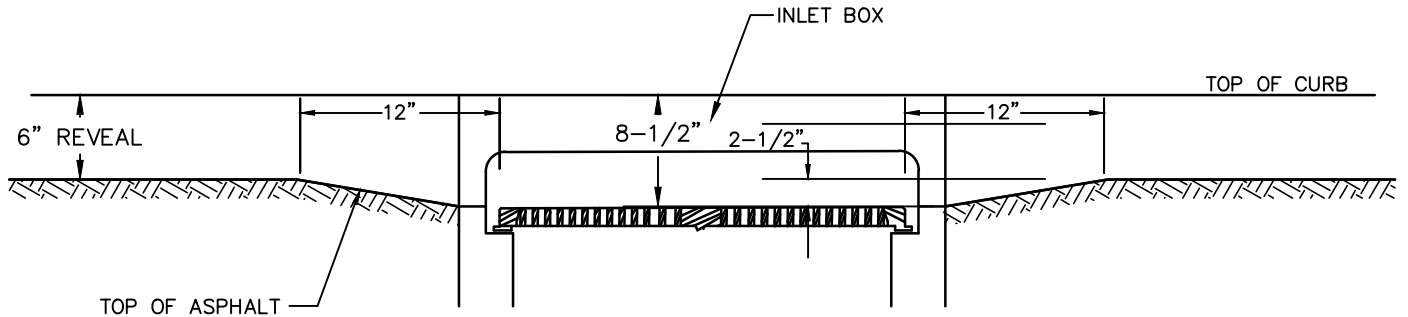
N.T.S.



TYPE C INLET

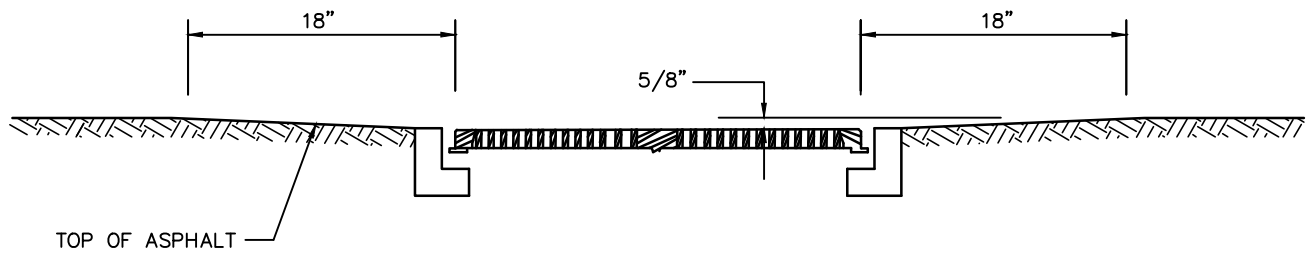
N.T.S.

DETAIL - 20
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



RECESSED INLET GRATE DETAIL

N.T.S.



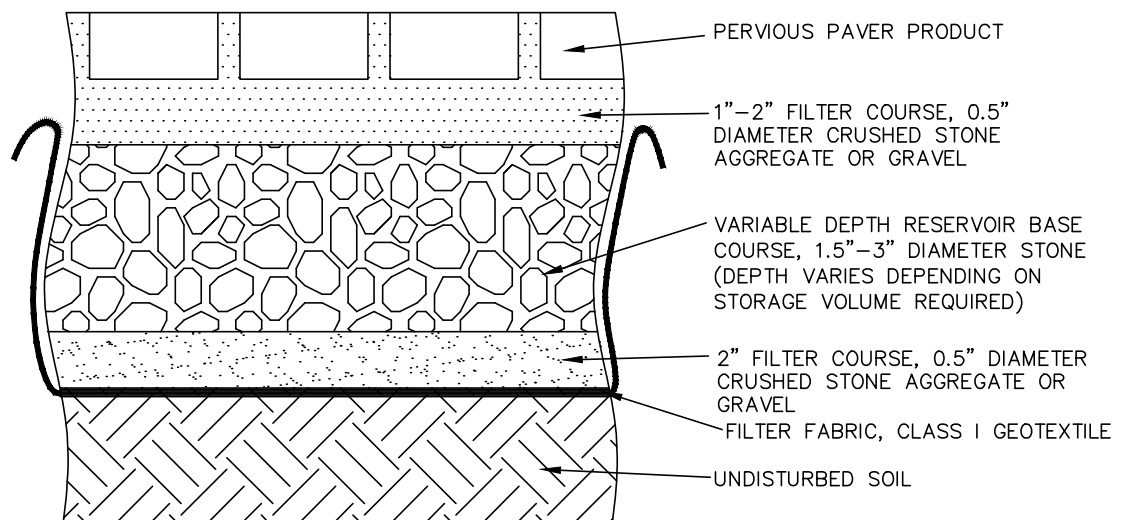
RECESSED MANHOLE COVER DETAIL

N.T.S.

NOTES:

1. CONTRACTOR SHALL MAKE EVERY EFFORT TO ADHERE TO THESE DETAILS. SHOULD FIELD CONDITIONS INHIBIT THE CONTRACTOR FROM MEETING THE REQUIRED DIMENSIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
2. THESE DETAILS APPLY TO BOTH ROADWAY REHABILITATIONS, UTILITY TRENCH RESTORATION AND NEW CONSTRUCTION.
3. CURB REVEALS SHALL BE 6" UNLESS OTHERWISE DIRECTED.

DETAIL - 21
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA



PERMEABLE PAVER SURFACE DETAIL

N.T.S.

NOTES:

1. THE DETAIL PROVIDED IS ILLUSTRATIVE ONLY. THE PROPERTY OWNER SHALL PROVIDE DETAILS FOR THE DESIRED PRODUCT FOR REVIEW BY THE BOROUGH ENGINEER.

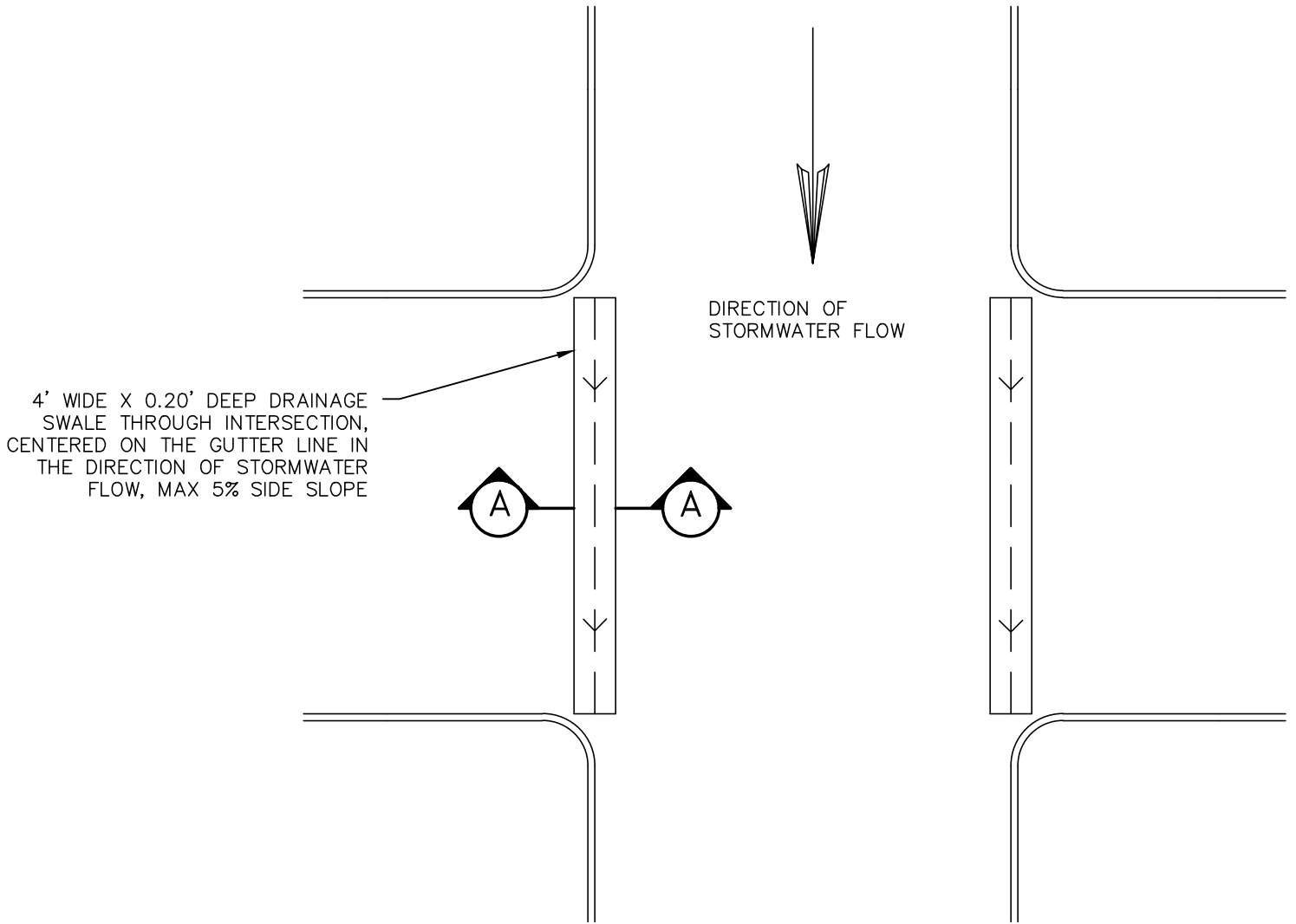
2. FILTER COURSE AND RESERVOIR AGGREGATE SHALL BE CLEAN/WASHED STONE.

3. GEOTEXTILE FILTER FABRIC SHALL BE MIRAFI #14N, OR APPROVED EQUAL.

DETAIL - 22
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA

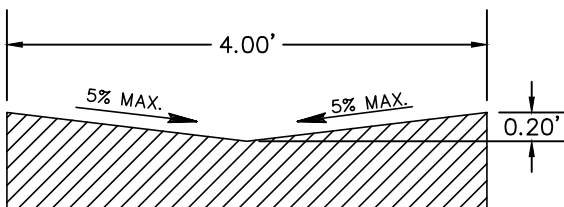
NOTES:

1. INTERSECTION DRAINAGE SWALE DETAIL IS MEANT TO REPLACE DAYLIGHTED STORM SEWER PIPES THAT CONVEY STORMWATER THROUGH INTERSECTIONS AT VARIOUS LOCATIONS THROUGHOUT THE BOROUGH.
2. THE DETAIL PROVIDED IS ILLUSTRATIVE ONLY. THE ACTUAL DIMENSIONS AND LENGTH OF THE DRAINAGE SWALE SHALL BE DETERMINED BASED ON THE LOCATION/INTERSECTION.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A DETAILED INTERSECTION GRADING DESIGN FOR THE BOROUGH ENGINEER'S REVIEW AND APPROVAL.



SWALE THROUGH INTERSECTION PLAN VIEW DETAIL

N.T.S.



SWALE A-A SECTION DETAIL

N.T.S.

DETAIL - 23
TYPICAL DETAILS
BOROUGH OF CONSHOHOCKEN
MONTGOMERY COUNTY, PENNSYLVANIA