

# **APPENDIX A**

SIGNATURE BLOCK FOR COVER SHEETS

# CITY OF MOUNT VERNON

COMMUNITY AND ECONOMIC DEVELOPMENT  
ENGINEERING SERVICES

LAND USE # \_\_\_\_\_  
PERMIT # \_\_\_\_\_

## Recommended For Approval By

Signature _____	Mount Vernon Fire Marshal	Date _____
Signature _____	Mount Vernon Planning Review	Date _____
Signature _____	Mount Vernon Civil Review	Date _____

This plan sheet is approved for construction in accordance with the City of Mount Vernon ordinances and policies. This plan sheet does not imply or convey permission to construct any item unless accompanied by an approved permit covering the work. All permits must be on a City approved form reviewed for compliance to City Codes. Actual conformance of the design with applicable laws is the sole responsibility of the professional engineer whose name and stamp appear on this sheet. Acquiring, complying with and providing mitigation for all Federal, State, County, and Local laws, permits and mandates, including but not limited to the Endangered Species Act, Federal Wetland Permit, State Department of Fisheries Hydraulics Permit, Federal Flood Plain Permits, National Pollutant Discharge Elimination System Permits is the responsibility of the Developer, Landowner, and their Engineer. The issuance of this plan shall not be construed as proof of compliance with applicable laws and permit requirements.

APPROVED BY: \_\_\_\_\_ Date \_\_\_\_\_

This approval will expire in one year from the date noted above.

SIGNATURE BLOCK FOR ALL OTHER CIVIL PLAN SHEETS

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### FIRE DEPARTMENT APPROVAL

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APPROVED BY: \_\_\_\_\_

Signature \_\_\_\_\_ City of Mount Vernon Fire Marshal Date \_\_\_\_\_

This approval will expire in one year from the date noted above.

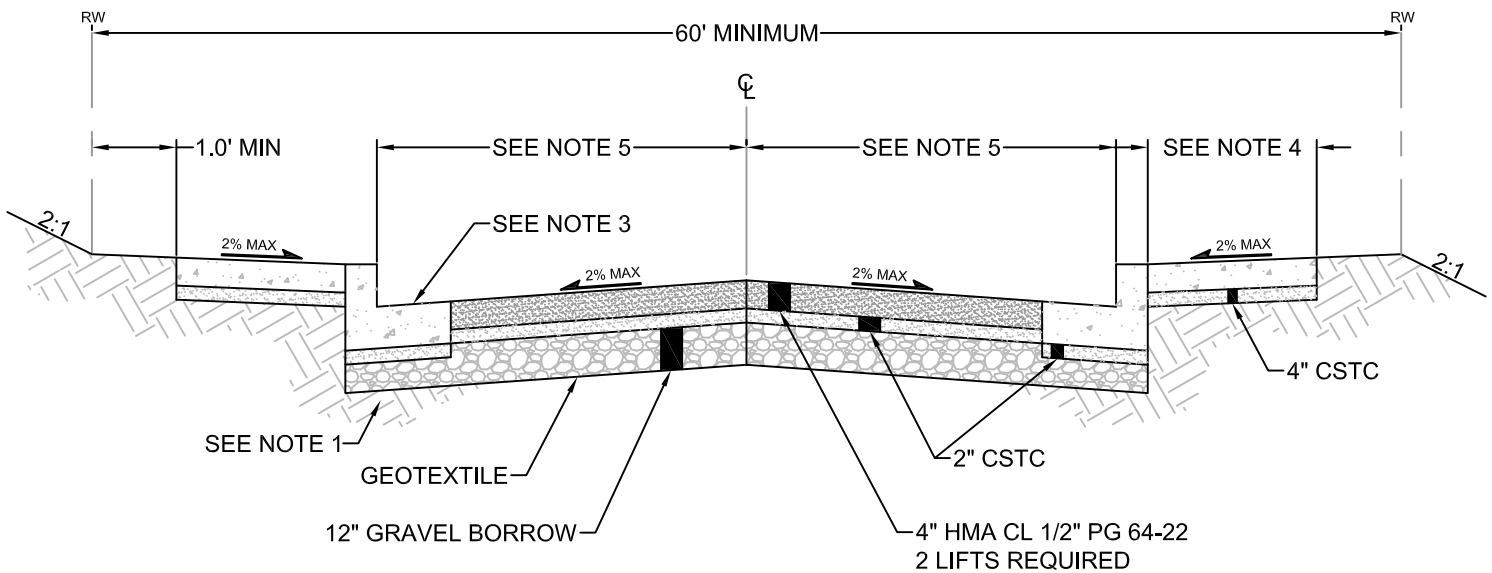
SIGNATURE BLOCK FOR MOUNT VERNON FIRE DEPARTMENT, AS REQUIRED.



## SIGNATURE BLOCKS

STANDARD DETAIL	1-1
SCALE	NONE
REVISION DATE	05/16

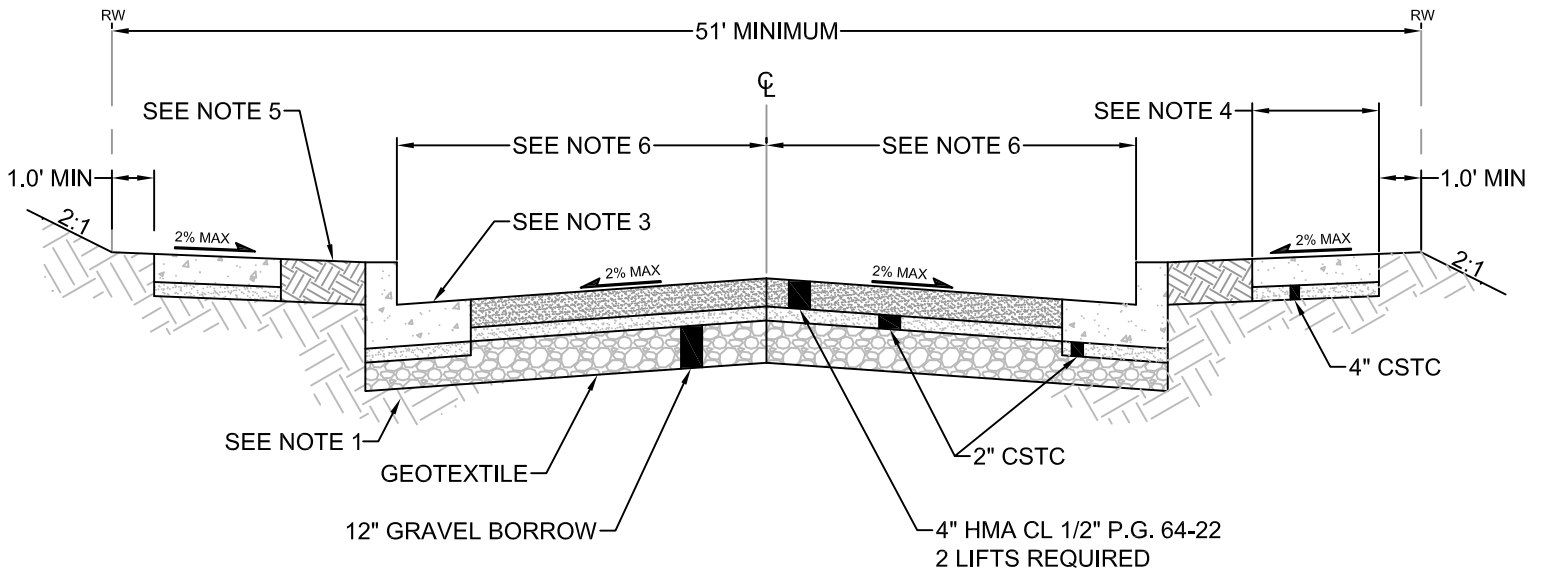
# ARTERIAL ROADWAY SECTION



## NOTES:

1. SUBGRADE TO BE TESTED AND APPROVED BY A LICENSED GEOTECHNICAL ENGINEER. UNSUITABLE MATERIAL TO BE REPLACED WITH SUITABLE MATERIAL AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DIRECTOR.
2. MATERIAL AND COMPACTION TESTING OF GRAVEL BORROW, CRUSHED SURFACING TOP COURSE AND HMA WILL BE REQUIRED. LOCATIONS AND FREQUENCY FOR ASPHALT AS PER CITY STANDARDS SECTION 3-22. ALL TESTING WILL BE CONDUCTED BY A LICENSED TESTING LABORATORY. HMA TO BE COMPACTED TO 92%.
3. CEMENT CONCRETE CURB AND GUTTER AS PER WSDOT STANDARD PLAN F-10.12-03.
4. CEMENT CONCRETE SIDEWALK AS PER WSDOT STANDARD PLAN F-30.10-03. SIDEWALK WIDTH IS 6.0' FOR ARTERIAL STREETS.
5. MINIMUM PAVEMENT WIDTH AS PER CITY OF MOUNT VERNON ROADWAY CLASSIFICATIONS.  
 PRINCIPAL ARTERIAL - 44.0'  
 MINOR ARTERIAL - 44.0'  
 URBAN COLLECTOR - 40.0'

# NEIGHBORHOOD ROADWAY SECTION



**NOTES:**

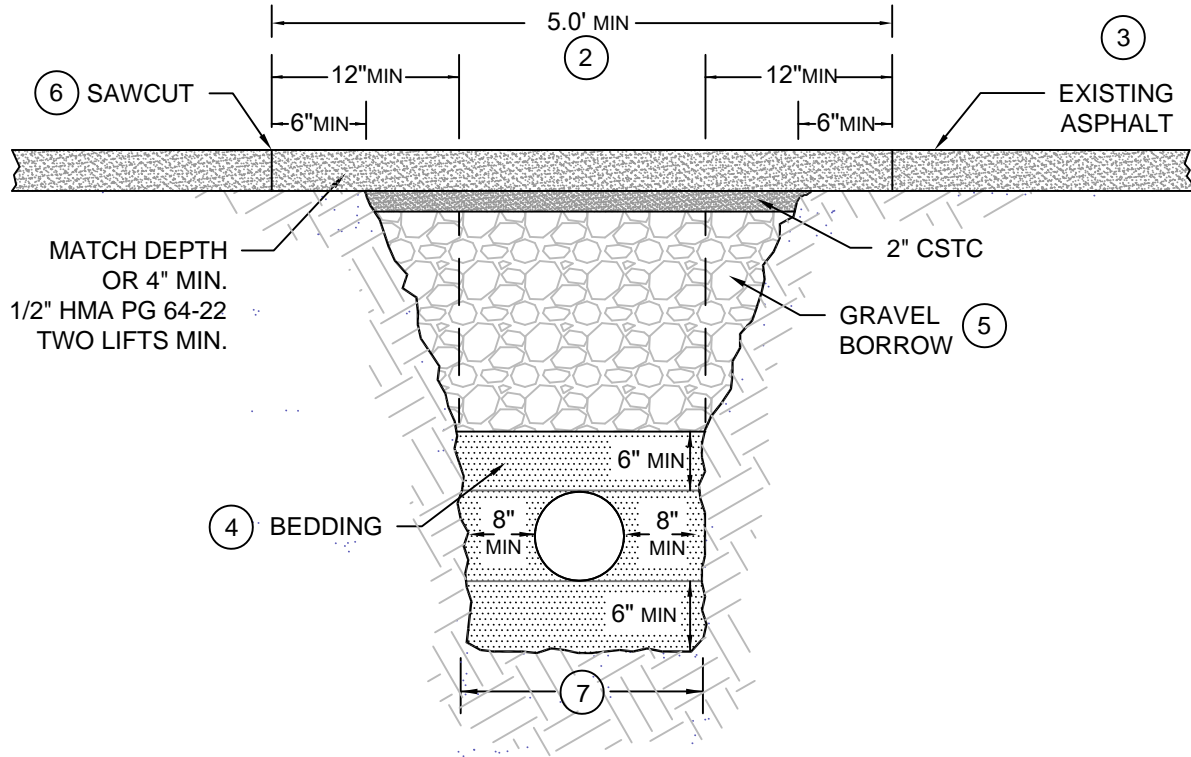
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2. MATERIAL AND COMPACTION TESTING OF GRAVEL BORROW, CRUSHED SURFACING TOP COURSE AND HMA WILL BE REQUIRED. LOCATIONS AND FREQUENCY FOR ASPHALT AS PER CITY STANDARDS SECTION 3-22. ALL TESTING WILL BE CONDUCTED BY A LICENSED TESTING LABORATORY. HMA TO BE COMPACTED TO 92%.
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4. CEMENT CONCRETE SIDEWALK AS PER WSDOT STANDARD PLAN F-30.10-03. SIDEWALK WIDTH IS 6.0' FOR ARTERIAL STREETS.
5. PLANTER STRIP - 4.0' MINIMUM - SEED/PLANT AS PER PLANS. MINIMUM 6" LIGHTLY COMPACTED TOPSOIL.
6. MINIMUM PAVEMENT WIDTH AS PER CITY OF MOUNT VERNON ROADWAY CLASSIFICATIONS.  
 TYPE 3 STREET - 32.0'  
 TYPE 4 STREET - 36.0'



## ROADWAY SECTION DETAILS NEIGHBORHOOD STREETS

STANDARD DETAIL	3-2
SCALE	NONE
REVISION DATE	06/18

# ROADWAY AND TRENCH RESTORATION

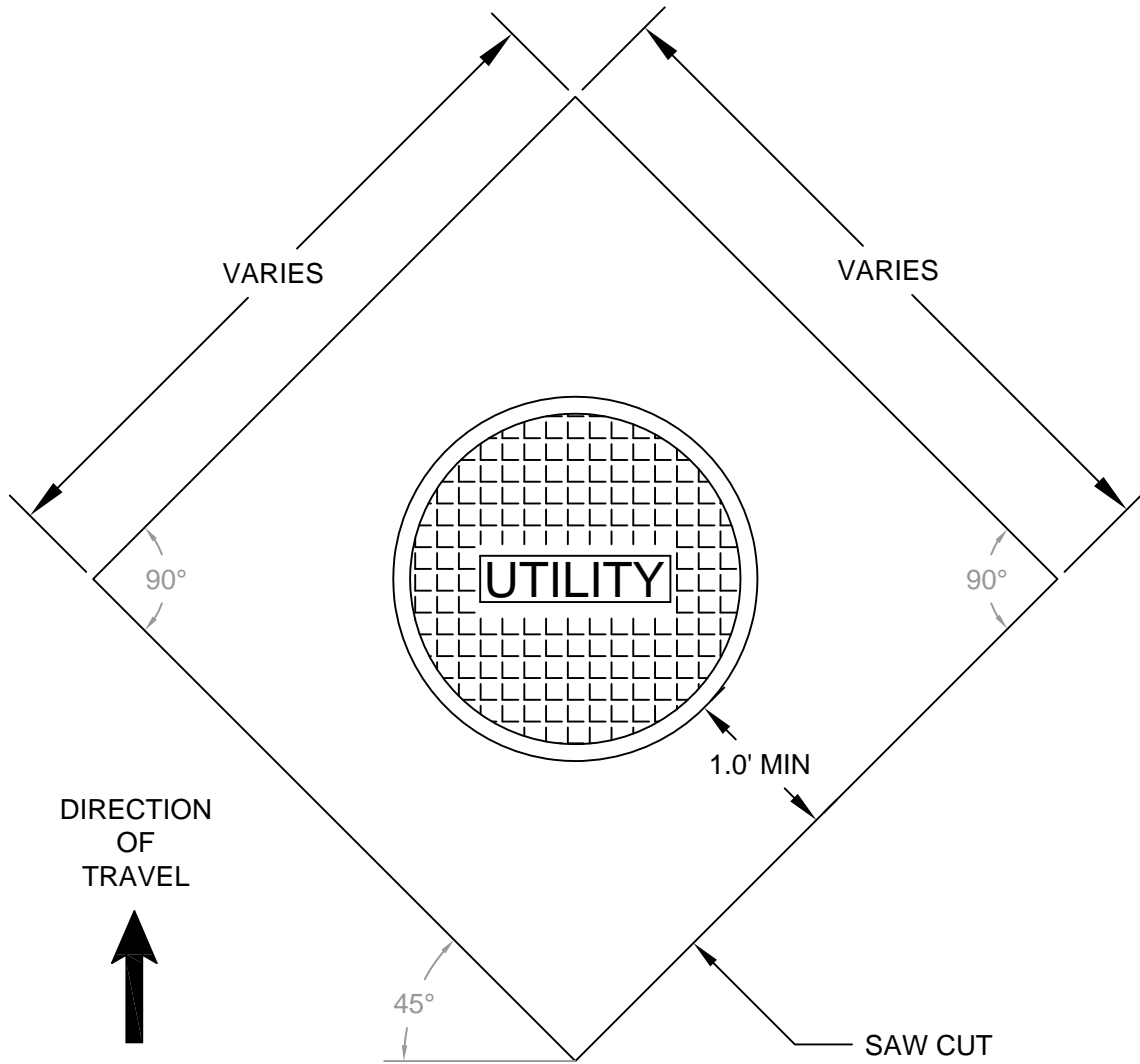


**NOTES:**

1. ALL TRENCH CUTS AND REPAIR SHALL CONFORM WITH THE CITY OF MOUNT VERNON TRENCH RESTORATION AND STREET REPAIR STANDARDS.
2. THE RESTORATION WIDTH AS PER CITY ENGINEERING STANDARDS CHAPTER 3, SECTION 3-24. A MINIMUM OF 1 FOOT WIDER, ON EACH SIDE, THAN THE PROPOSED TRENCH. THE MINIMUM RESTORATION SHALL BE 5 FEET.
3. ASPHALT STRIP BETWEEN TRENCH RESTORATION AND EDGE OF EXISTING CURB AND GUTTER OR EDGE OF EXISTING PAVEMENT MAY BE REMOVED AND REPLACED WITH 1/2" HMA PG 64-22 OF EQUIVALENT DEPTH AT THE DIRECTION OF THE PUBLIC WORKS DIRECTOR.
4. GRANULAR MATERIAL 100% PASSING A 5/8" SCREEN, OR 5/8" CLEAR CRUSHED (NOT 5/8" MINUS) HAND COMPACTED. NO MORE THAN 3% BY WEIGHT PASSING A #200 SIEVE.
5. GRAVEL BORROW PLACED IN LOOSE LIFTS NOT EXCEEDING 8" IN DEPTH AND COMPACTED TO A MINIMUM OF 95% DENSITY. CONTROL DENSITY BACKFILL (CDF) MAY BE USED IN LIEU OF GRAVEL BASE.
6. SAWCUT AND SEAL FINISHED JOINT WITH AR 4000.
7. TRENCH LIMITS PER SECTION 2-09.4 OF WSDOT STANDARD SPECIFICATIONS.
8. TRENCH REPAIR IN CONCRETE STREETS MAY DIFFER FROM THESE STANDARDS.
9. WIDTHS INDICATED ARE MINIMUMS. TRENCH RESTORATION WIDTHS SHALL BE INCREASED TO PROHIBIT CONSTRUCTING A PATCH WITHIN A PATCH. THIS MAY REQUIRE REMOVING AND RECONSTRUCTING EXISTING PATCHES THAT ARE ADJACENT TO OR CONTIGUOUS TO THE PROPOSED TRENCH. TRENCH RESTORATION WIDTHS SHALL ALSO BE INCREASED TO PREVENT THE CREATION OF ISOLATED SECTIONS OF PAVEMENT
10. TRENCH LIMITS AND STREET CUT RESTORATION WIDTH MAY BE REDUCED FOR UTILITY SIDE SERVICE LINE INSTALLATION AND REPAIR, WITH CITY APPROVAL.

STANDARD DETAIL	3-3
SCALE	NONE
REVISION DATE	04/16

# ADJUSTING UTILITY IRON TO GRADE

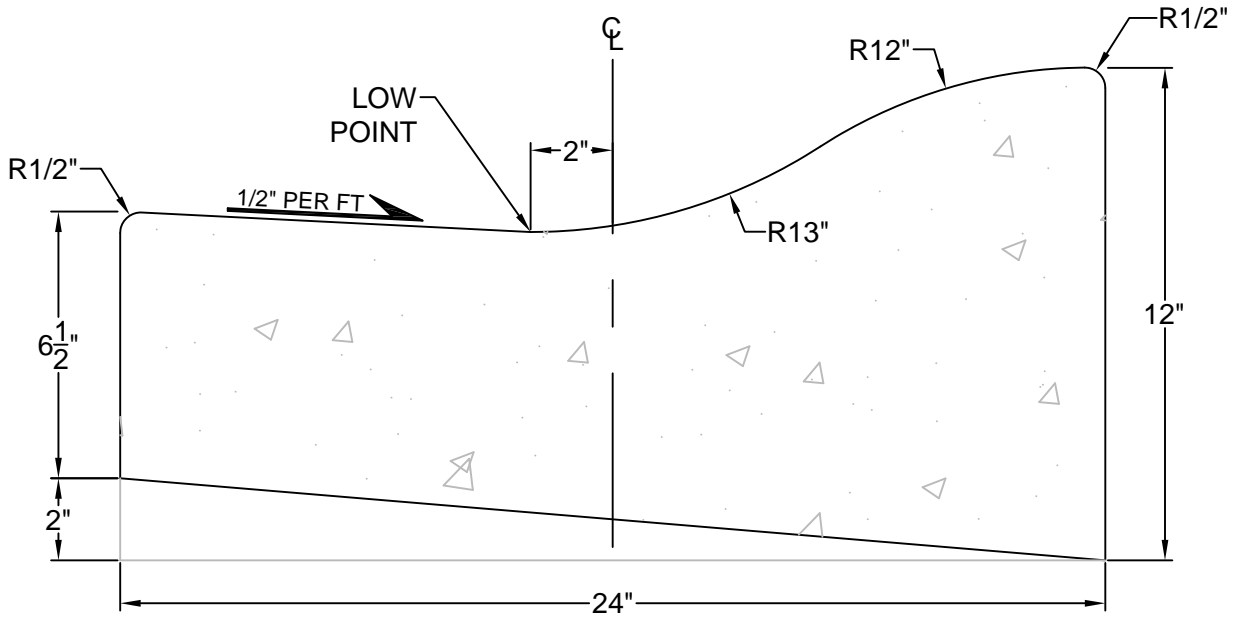


**NOTES:**

1. SAW CUT AND REMOVE ASPHALT FULL DEPTH TO LIMITS SHOWN.
2. ADJUST FRAME TO MATCH FINISHED GRADE USING APPROVED CONCRETE ADJUSTMENT RINGS AND APPROVED NON-SHRINK GROUT.
3. TACK ALL EDGES.
4. PLACE, GRADE AND COMPACT ASPHALT. 2.0" LIFTS, 92% COMPACTION.
5. ROLLER FINISH.
6. SEAL JOINT WITH APPROVED MATERIAL.

STANDARD DETAIL	3-4
SCALE	NONE
REVISION DATE	04/16

## ROLLED CURB AND GUTTER

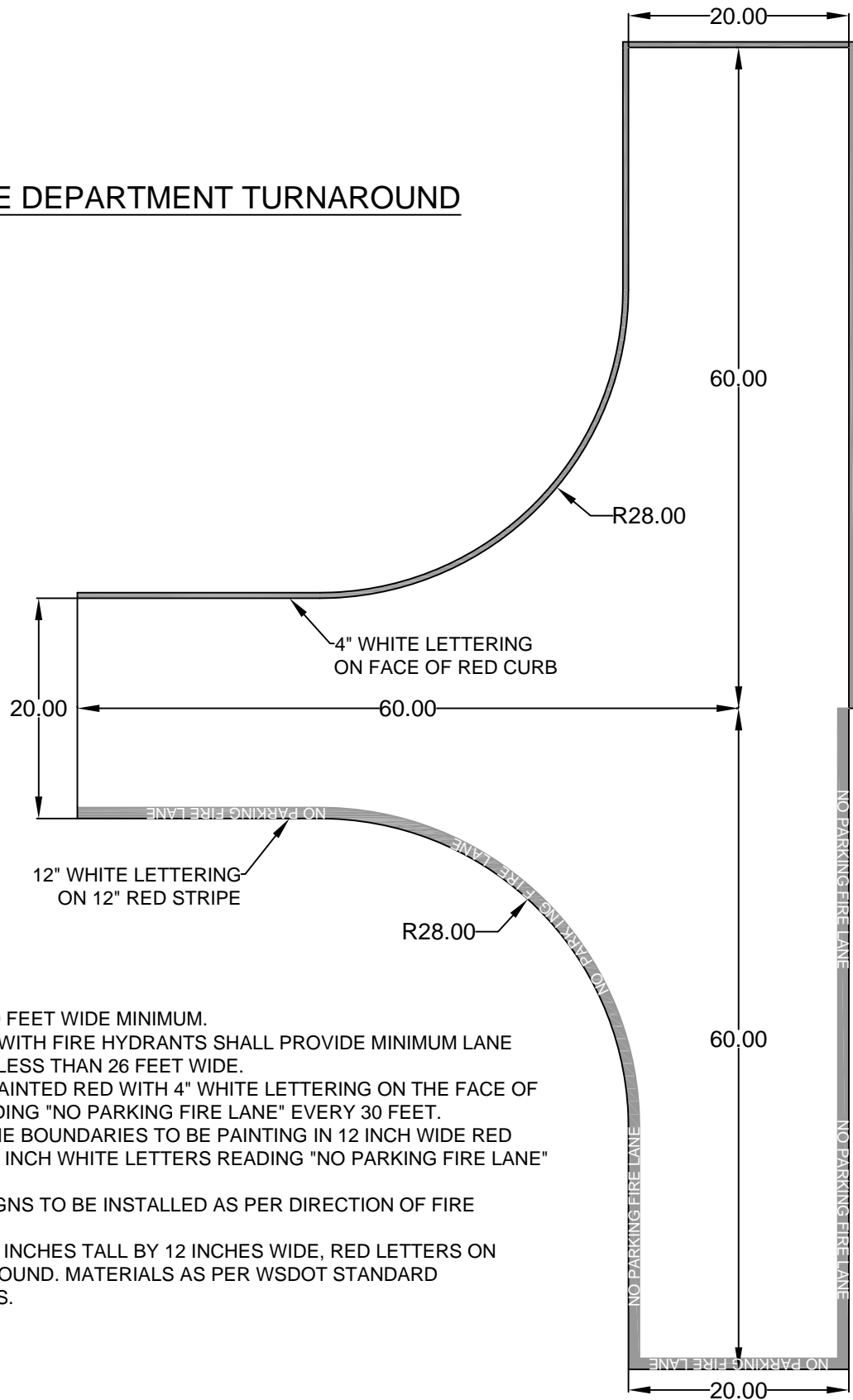


**NOTES:**

1. ROLLED CURB AND GUTTER MAY ONLY BE USED IN RESIDENTIAL SUBDIVISIONS AND ONLY WITH WRITTEN APPROVAL.
2. FORMS SHALL BE TRUE TO LINE AND GRADE AND SECURELY STAKED.
3. THRU JOINTS SHALL BE PLACED ADJACENT TO CATCH BASINS, INLETS, CURB RETURNS, ALLEYS, OR A MAXIMUM SPACING OF 12 FEET.
4. EXPANSION MATERIAL SHALL BE 3/8" WIDE PRE-MOLDED JOINT FILLER.
5. LIGHT BROOM FINISH.
6. ALL SIDEWALKS BEHIND ROLLED CURB SHALL BE 6 INCHES THICK OVER 2 INCHES OF CRUSHED SURFACING TOP COURSE COMPACTED TO 95% OF MAXIMUM DENSITY ON APPROVED SUB-GRADE.

STANDARD DETAIL	3-5
SCALE	NONE
REVISION DATE	05/16

## FIRE DEPARTMENT TURNAROUND



**NOTES:**

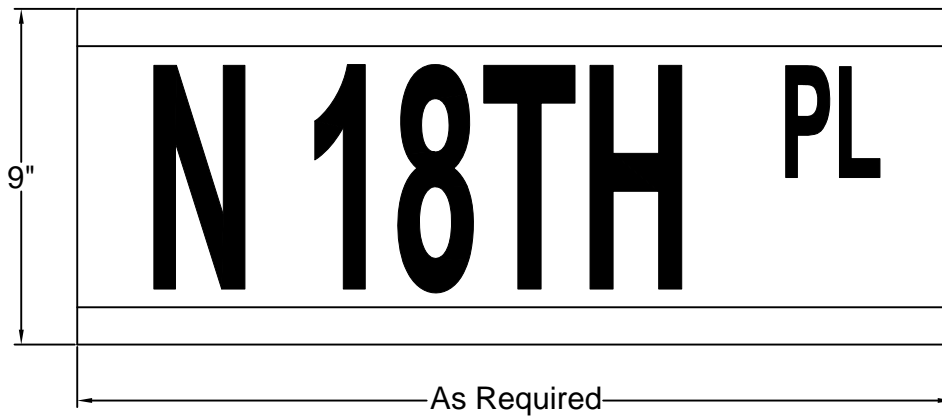
1. LANES TO BE 20 FEET WIDE MINIMUM.
2. TURNAROUNDS WITH FIRE HYDRANTS SHALL PROVIDE MINIMUM LANE WIDTH OF NOT LESS THAN 26 FEET WIDE.
3. CURBS TO BE PAINTED RED WITH 4" WHITE LETTERING ON THE FACE OF THE CURB READING "NO PARKING FIRE LANE" EVERY 30 FEET.
4. IF NO CURBS THE BOUNDARIES TO BE PAINTING IN 12 INCH WIDE RED STRIPE WITH 12 INCH WHITE LETTERS READING "NO PARKING FIRE LANE" EVERY 30 FEET.
5. NO PARKING SIGNS TO BE INSTALLED AS PER DIRECTION OF FIRE MARSHAL.
6. SIGNS TO BE 18 INCHES TALL BY 12 INCHES WIDE, RED LETTERS ON WHITE BACKGROUND. MATERIALS AS PER WSDOT STANDARD SPECIFICATIONS.



## FIRE DEPARTMENT TURNAROUND

STANDARD DETAIL	3-6
SCALE	NONE
REVISION DATE	04/16

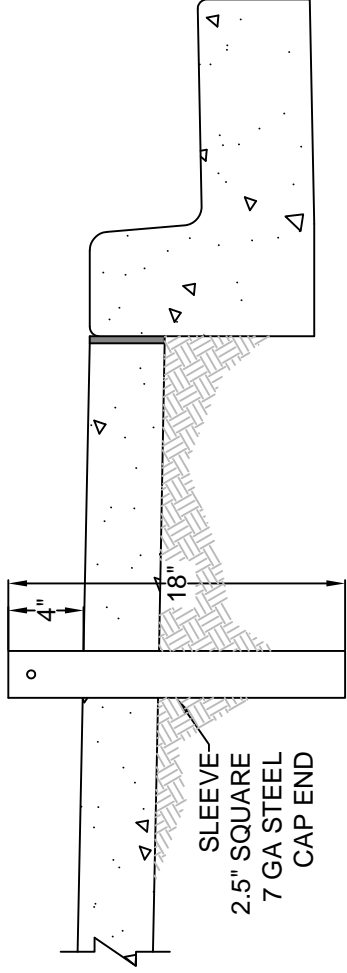




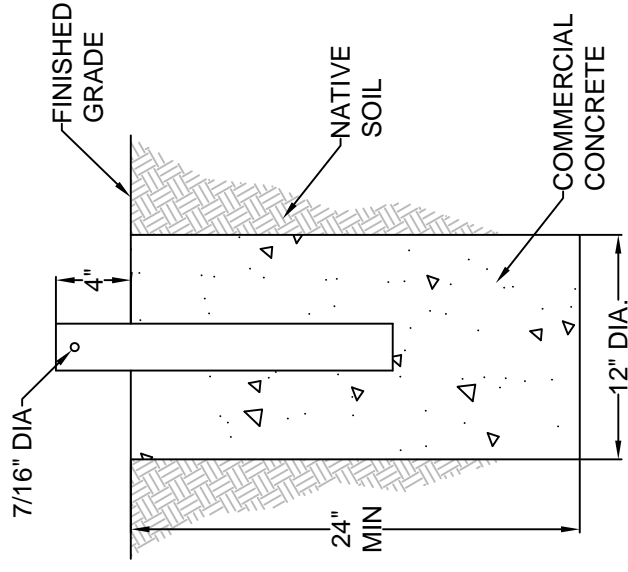
**NOTES:**

1. 9" EXTRUDED BLADE - .080 ALUMINUM WITH HIGH INTENSITY PRISMATIC SHEETING - DOUBLE SIDED - GREEN.
2. LETTERS - 6" AND 3" TALL CAPITAL WHITE HIGH INTENSITY PRISMATIC - FHWA SERIES C.
3. BOTH SIDES OF SIGN TO BE THE SAME.
4. LETTERING AND BACKGROUND SHALL BE HIGH INTENSITY PRISMATIC SHEETING PER FHWA SHEETING GUIDE LINES ASTM D4956-04 "TYPE" DESIGNATIONS.
5. MOUNTING HARDWARE - ZUMAR 812EX2SQ AND 812EX90X OR APPROVED EQUAL.
6. PRIVATE STREET SIGNS TO BE BLACK LETTERS ON YELLOW BACKGROUND.

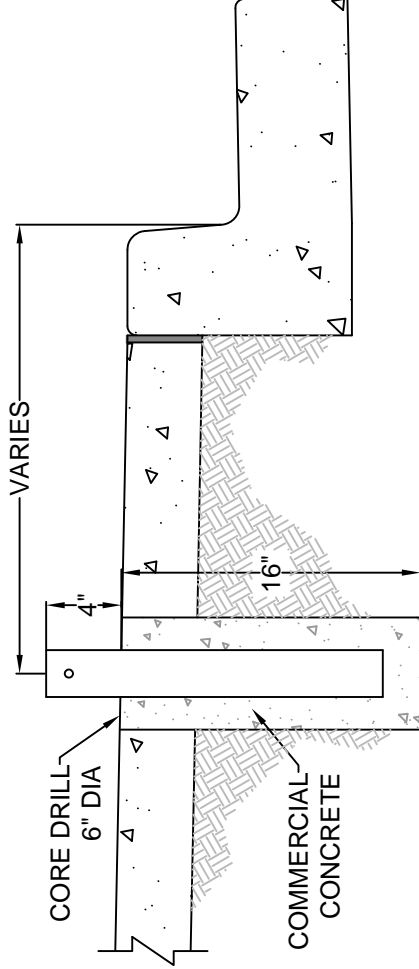
NEW SIDEWALK INSTALLATION



NATIVE SOIL INSTALLATION



EXISTING SIDEWALK INSTALLATION

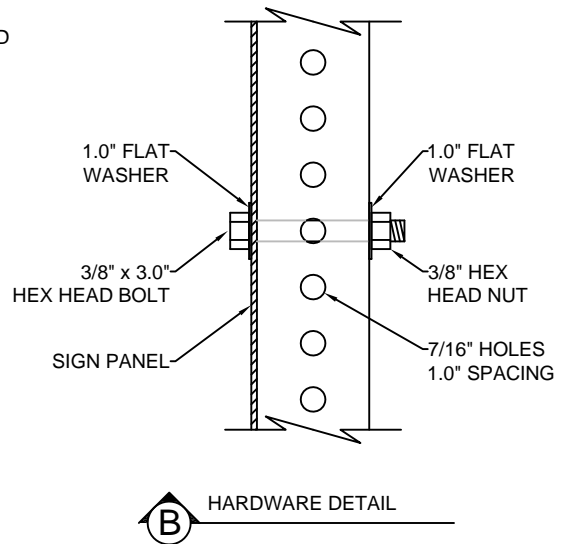
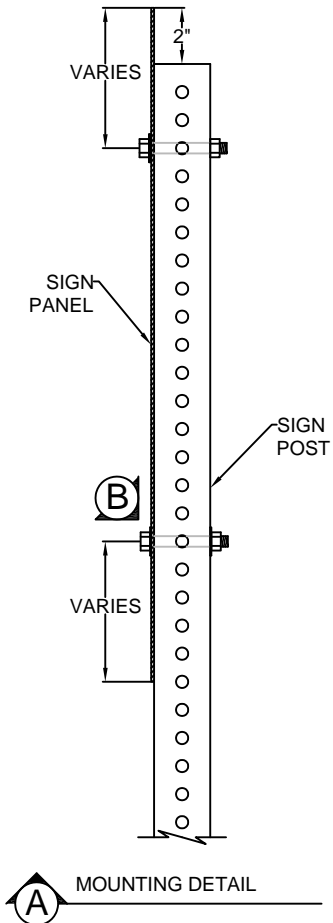
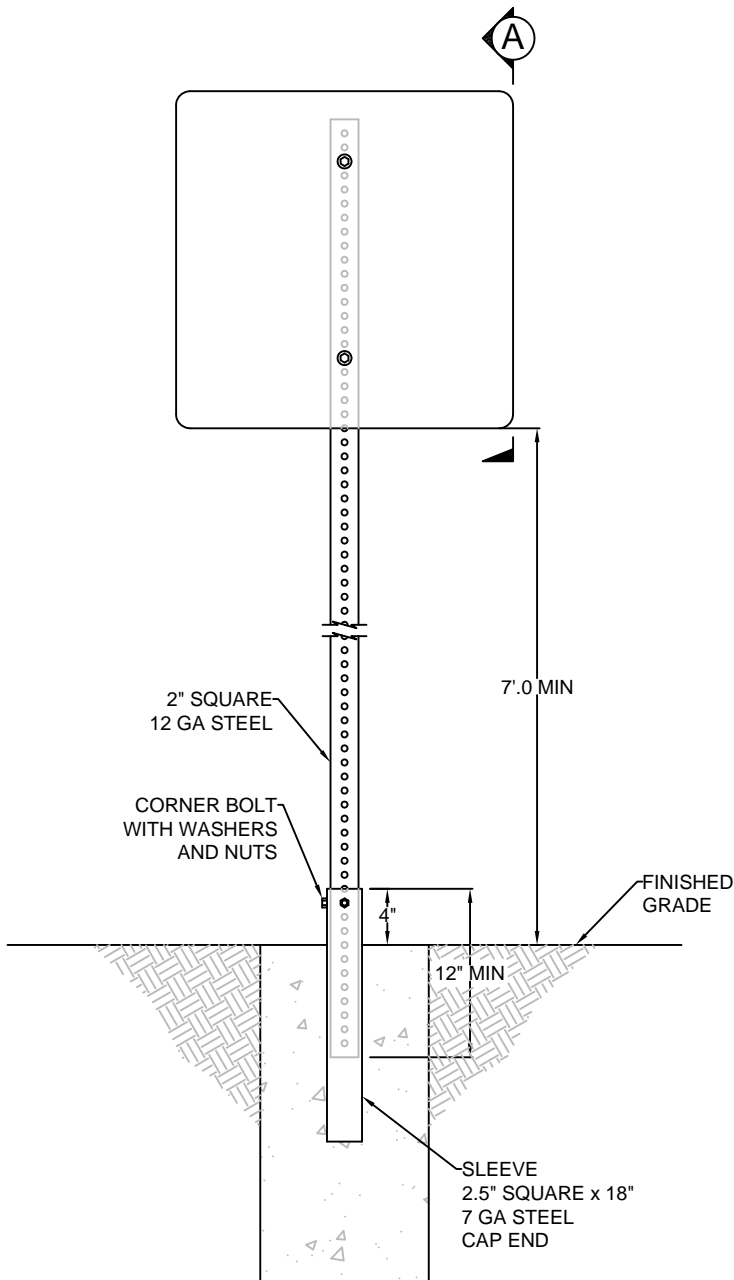


NOTES:

1. SLEEVE - 2.5" x 2.5" SQUARE x 18", 7 GAUGE, CAP END.
2. MOUNTING HOLES (4) - 7/16" DIAMETER.
3. CORE DRILL - 6" DIAMETER HOLE FOR INSTALLATION IN EXISTING CONCRETE.
4. FOUNDATION TO BE COMMERCIAL CONCRETE (3000 PSI).
5. FOR POST, SIGN MOUNTING AND HARDWARE DETAILS SEE STANDARD PLAN 3-9.

STANDARD DETAIL	3-8
SCALE	NONE
REVISION DATE	05/16

SIGN POST AND SIGN MOUNTING DETAILS



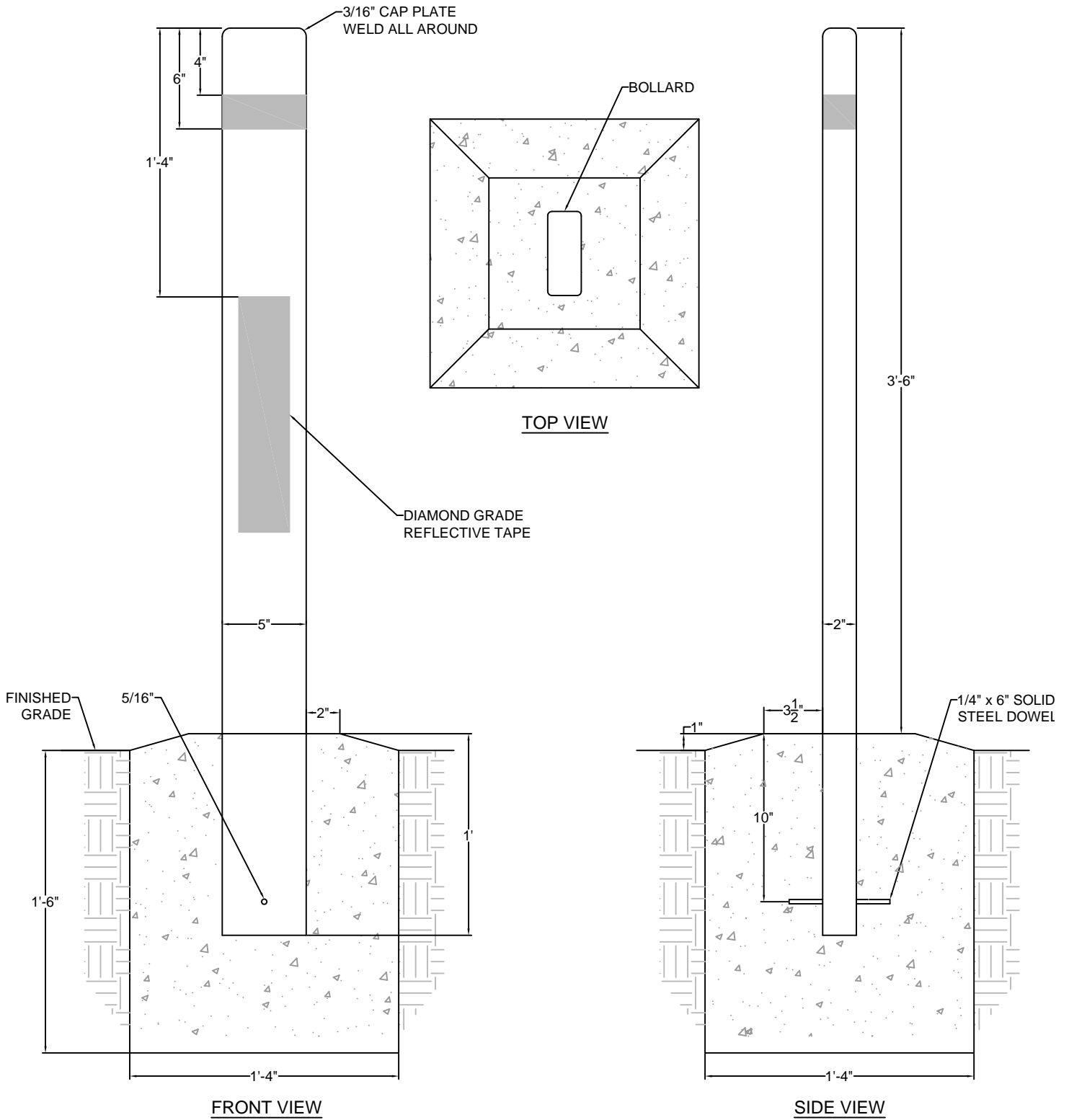
**NOTES:**

1. POST - 2" x 2" SQUARE, 12 GAUGE, LENGTH AS NECESSARY.
2. SIGN POST TO BE INSERTED INTO SLEEVE 12" MINIMUM. USE CORNER BOLT TO CONNECT.
3. ALL POSTS, SLEEVES AND HARDWARE TO BE HOT DIP GALVANIZED STEEL.
4. POST AND SLEEVES TO BE ULTI-MATE MANUFACTURED BY ULTIMATE HIGHWAY PRODUCTS OR APPROVED EQUAL.
5. SEE STANDARD PLAN 3-8 FOR SLEEVE DETAILS.



**SIGN POST AND SIGN MOUNTING DETAILS**

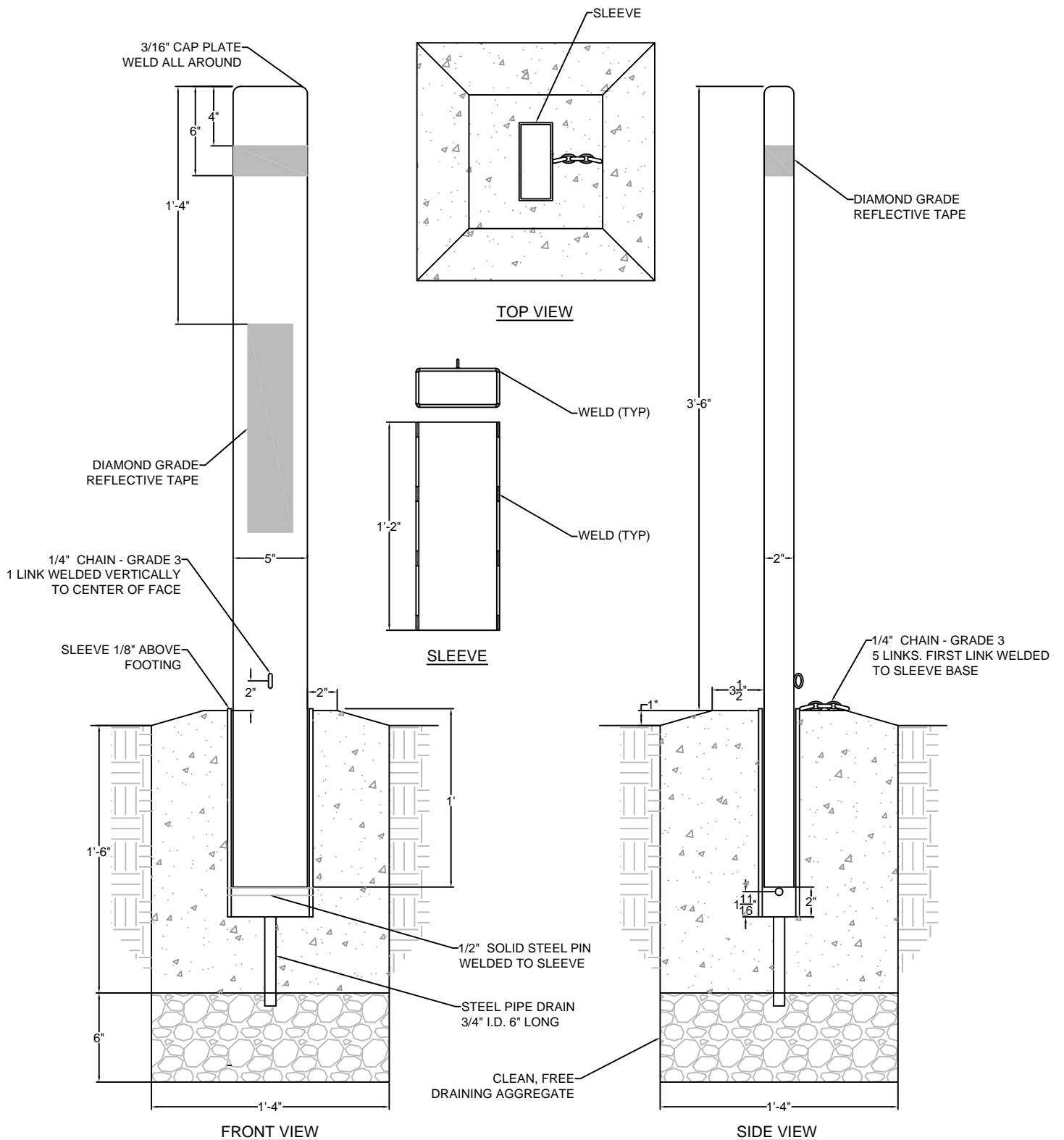
STANDARD DETAIL	3-9
SCALE	NONE
REVISION DATE	05/16



**NOTES:**

1. ALL STEEL SHALL BE 3/16" A36 STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
2. ALL STEEL SHALL BE POWDER COATED FOREST GREEN USING CARDINAL BRAND FINISH GN03 OR APPROVED EQUAL.
3. FOOTING - COMMERCIAL CLASS (3000 psi) CONCRETE.
4. REFLECTIVE TAPE SHALL BE WHITE DIAMOND GRADE. 2" TAPE ON ALL SIDES. 3" x 14" ON TRAFFIC SIDE ONLY.

STANDARD DETAIL	3-10
SCALE	NONE
REVISION DATE	04/16



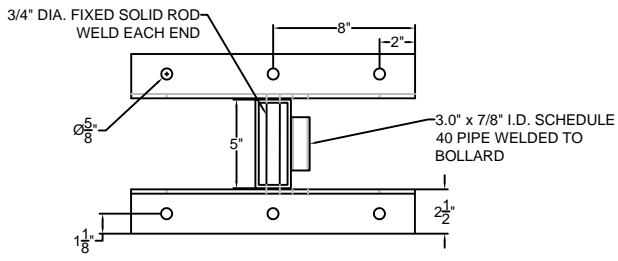
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4. REFLECTIVE TAPE SHALL BE WHITE DIAMOND GRADE. 2" TAPE ON ALL SIDES. 3" x 14" ON TRAFFIC SIDE ONLY.
5. BOLLARD SHALL INCLUDE (1) AMERICAN LOCK MODEL A5200KZ, KEYED TO MOUNT VERNON PARKS DEPARTMENT SPECIFICATIONS BY A1 MOBILE LOCK AND KEY IN MOUNT VERNON.

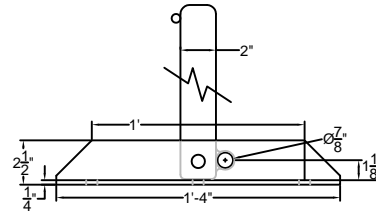


**SLEEVED BOLLARD DETAIL**

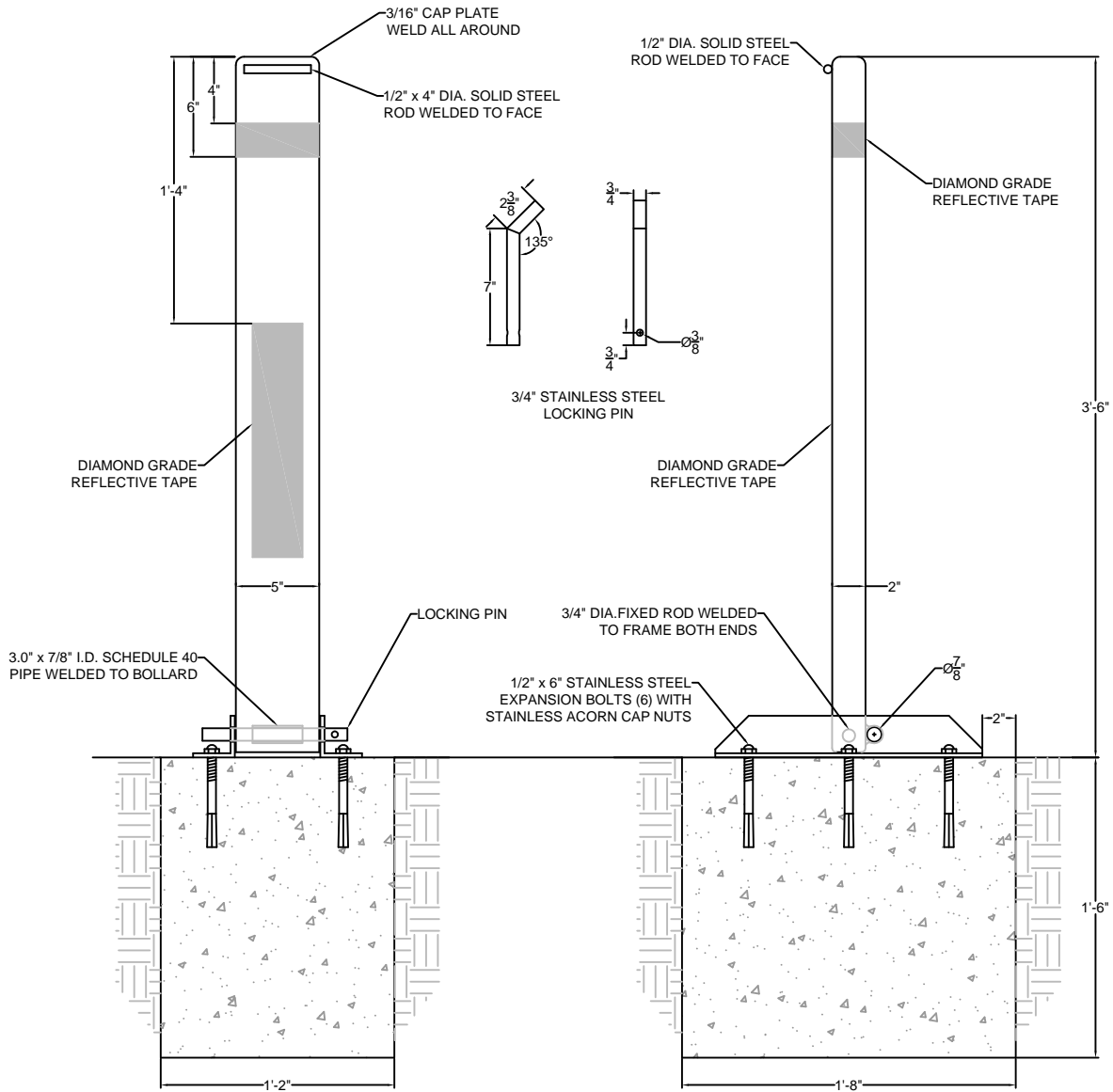
STANDARD DETAIL	3-11
SCALE	NONE
REVISION DATE	04/16



**BASE BOTTOM VIEW**



**BASE SIDE VIEW**



**FRONT VIEW**

**SIDE VIEW**

**NOTES:**

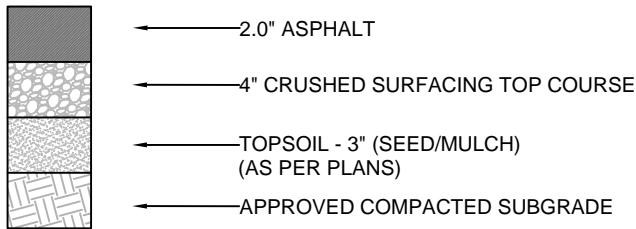
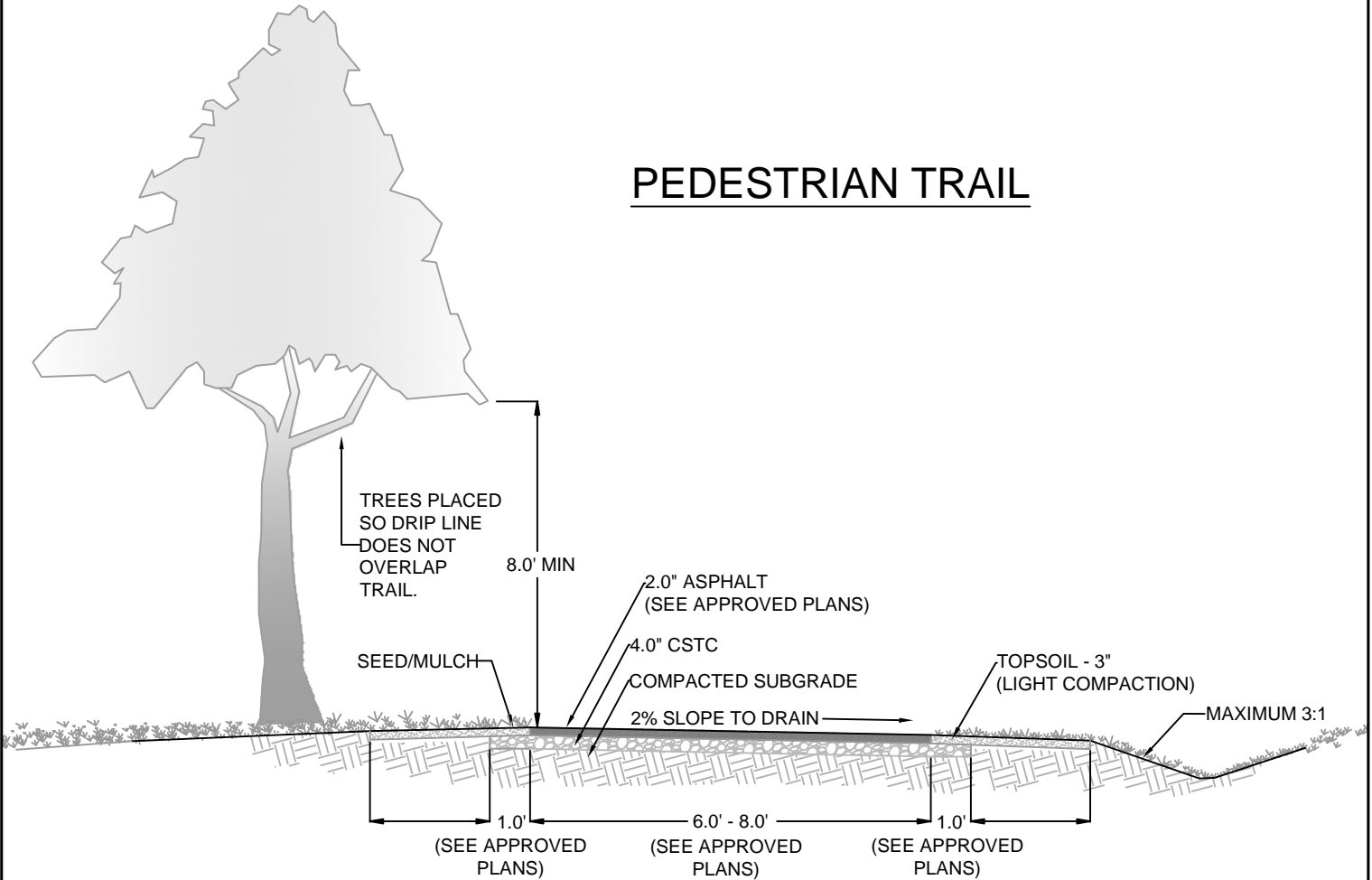
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3. FOOTING - COMMERCIAL CLASS (3000 PSI) CONCRETE.
4. REFLECTIVE TAPE SHALL BE WHITE DIAMOND GRADE. 2\" TAPE ON ALL SIDES. 3\" x 14\" ON TRAFFIC SIDE ONLY.
5. BOLLARD SHALL INCLUDE (1) AMERICAN LOCK MODEL A5200KZ, KEYED TO MOUNT VERNON PARKS DEPARTMENT SPECIFICATIONS BY A1 MOBILE LOCK AND KEY IN MOUNT VERNON.



**FOLD DOWN BOLLARD DETAIL**

STANDARD DETAIL	3-12
SCALE	NONE
REVISION DATE	04/16

# PEDESTRIAN TRAIL



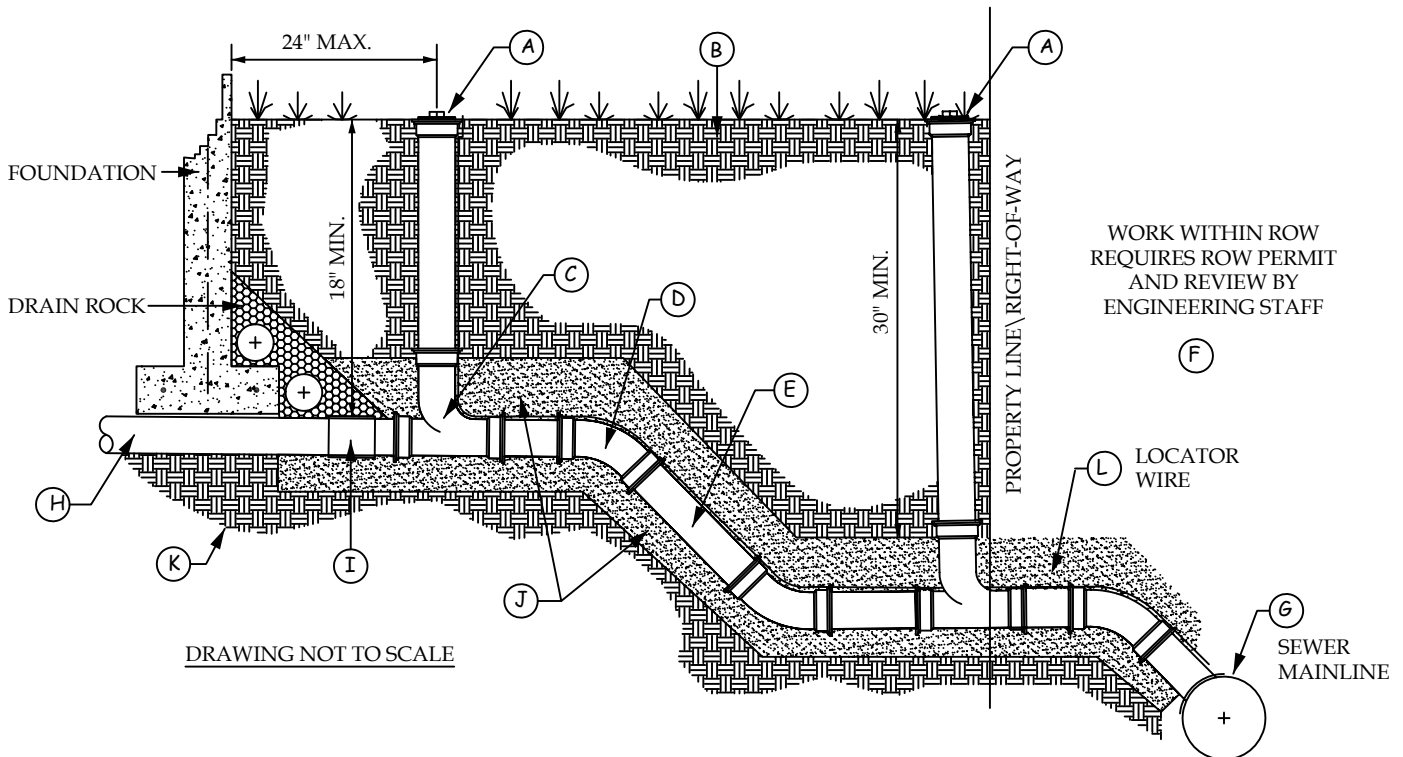
**NOTES:**

1. ALL DIMENSIONS SHOWN ARE MINIMUMS.
2. SIGNS ALONG THE TRAIL AND ON ANY ROAD THAT INTERSECTS MUST BE INSTALLED ACCORDING TO THE MUTCD STANDARDS.
3. GRADES SHALL NOT EXCEED 10 PERCENT.
4. SECTION SHOWN IS FOR TYPICAL CONDITIONS.

STANDARD DETAIL	3-13
SCALE	NONE
REVISION DATE	04/16

## GENERAL NOTES

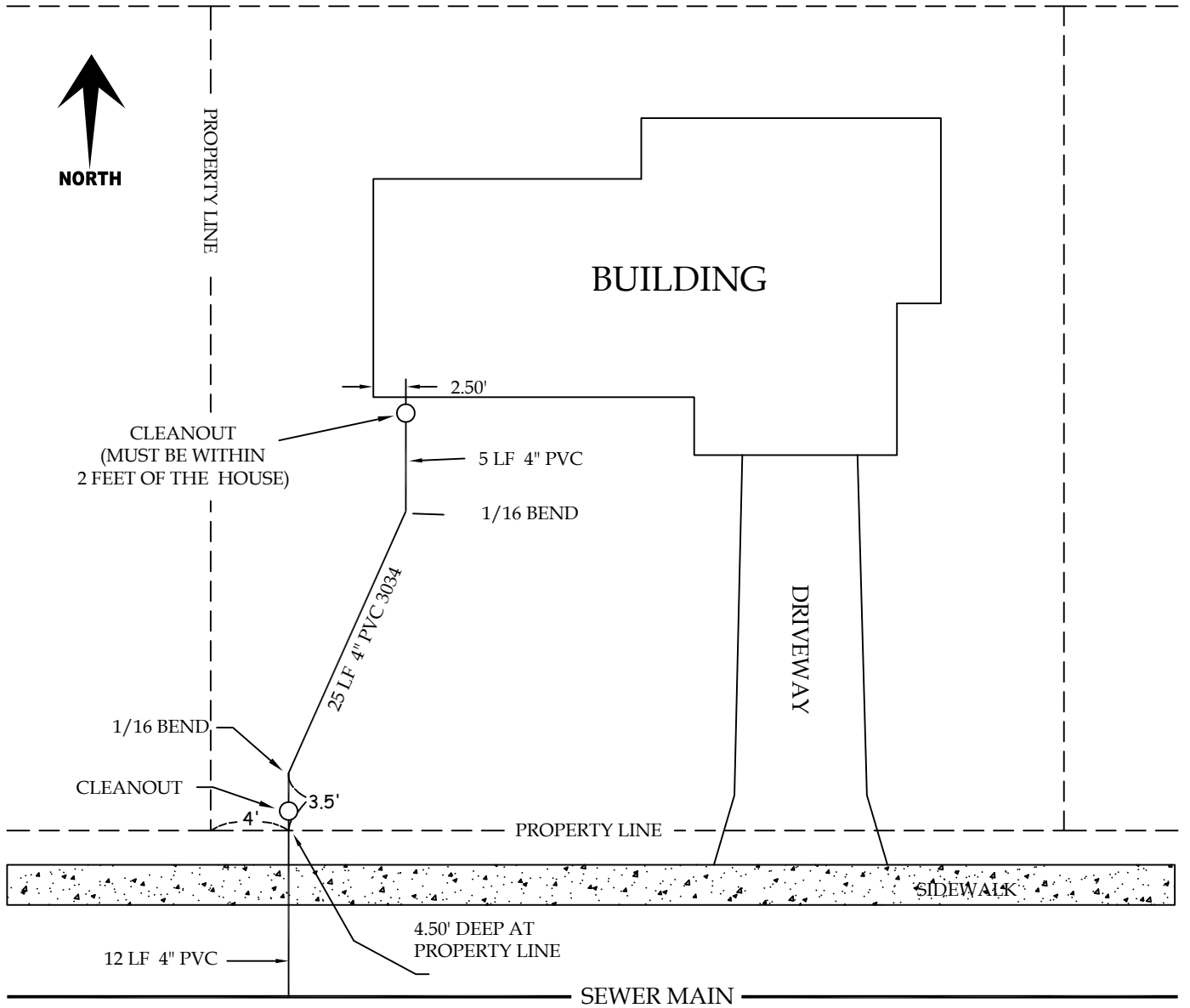
1. CALL 811 FOR LOCATES.
2. NO DISCHARGE OF SEDIMENT OR TURBID WATER TO CITY STORMWATER SYSTEM OR OFF-SITE.
3. NO DOWN SPOUTS OR OUTSIDE DRAINS ARE ALLOWED TO CONNECT TO THE SANITARY SEWER.
4. SIDE SEWER PIPE SHALL CONFORM TO PVC PLASTIC ASTM 3034. ALL BELLS MUST BE FACING IN THE UPHILL DIRECTION. ALL JOINTS SHALL BE RUBBER GASKETS; NO GLUE JOINTS ALLOWED.
5. MAXIMUM DISTANCE BETWEEN CLEAN-OUTS IS 100'. CLEAN-OUTS ARE REQUIRED FOR ANY BENDS GREATER THAN 45° ALONG WITH PRIOR APPROVAL FROM THE INSPECTOR. CLEAN-OUTS SHALL BE A CAPPED "Y". THERE SHALL BE A CLEAN-OUT A MAXIMUM OF 24" OUTSIDE OF FOUNDATION AND A CLEAN-OUT AT THE PROPERTY LINE.
6. PIPE SHALL BE BEDDED WITH PEA GRAVEL OR SAND, WITH 6" OF MATERIAL UNDER THE PIPE AND 6" OF MATERIAL OVER THE PIPE. THE BEDDING MATERIAL SHALL BE FREE FROM ORGANIC SUBSTANCES AND ROCKS GREATER THAN 1/2". THE SEWER PIPE SHALL BE AT LEAST 30" BELOW THE FINISHED GRADE AT PROPERTY LINE AND 18" MINIMUM COVER ON PRIVATE PROPERTY.
7. PARALLEL WATER AND SEWER LINES SHALL BE SEPARATED BY A MINIMUM 5' HORIZONTALLY OR 18" VERTICALLY. SEWER LINES AT ALL TIMES SHALL BE BELOW WATER LINES.
8. ALL SIDE SEWERS SHALL BE INSPECTED BY THE CITY INSPECTOR PRIOR TO TRENCH BACKFILL AND SHALL PASS A HYDROSTATIC AIR OR WATER TEST.



- A. CLEANOUT - SHALL HAVE A SCREW-ON CAP
- B. BACKFILL MATERIAL - TRENCH SHALL BE BACKFILLED WITH MATERIAL APPROVED BY THE INSPECTOR AND IN ACCORDANCE WITH THE U.P.C.
- C. SWEEPING TEE
- D. 45° BEND - THIS IS THE MAXIMUM ANGLE WITHOUT HAVING A CLEANOUT
- E. 4" SEWER PIPE - A MINIMUM OF 1/4" PER FOOT FALL IS REQUIRED
- F. EXCAVATION AND RESTORATION IN CITY RIGHT-OF-WAY - REQUIRES SEPARATE PERMIT AND SHALL FOLLOW STREET CUT AND RESTORATION STANDARDS
- G. CONNECTION TO THE MAINLINE - UNLESS A STUB-OUT IS PROVIDED, CONNECTION TO THE MAIN SHALL BE A PVC SANITARY "Y" SADDLE WITH STAINLESS STEEL STRAPS, CHANNLED TO DROP INTO THE MAIN LINE AT THE FLOWLINE
- H. BUILDING SANITARY SEWER DRAIN LINE
- I. APPROVED ADAPTER - GASKETED RIGID COUPLER
- J. BEDDING MATERIAL - SEE NOTE #6 IN GENERAL NOTES ABOVE
- K. UNDISTURBED EARTH
- L. LOCATOR WIRE



PARCEL ID \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 PERMIT NO \_\_\_\_\_



A LEGIBLE AND ACCURATE AS-BUILT DRAWING IS REQUIRED AT THE TIME OF FINAL INSPECTION.



### SIDE SEWER ASBUILT EXAMPLE

STANDARD DETAIL	N/A
SCALE	NONE
REVISION DATE	4/18/16