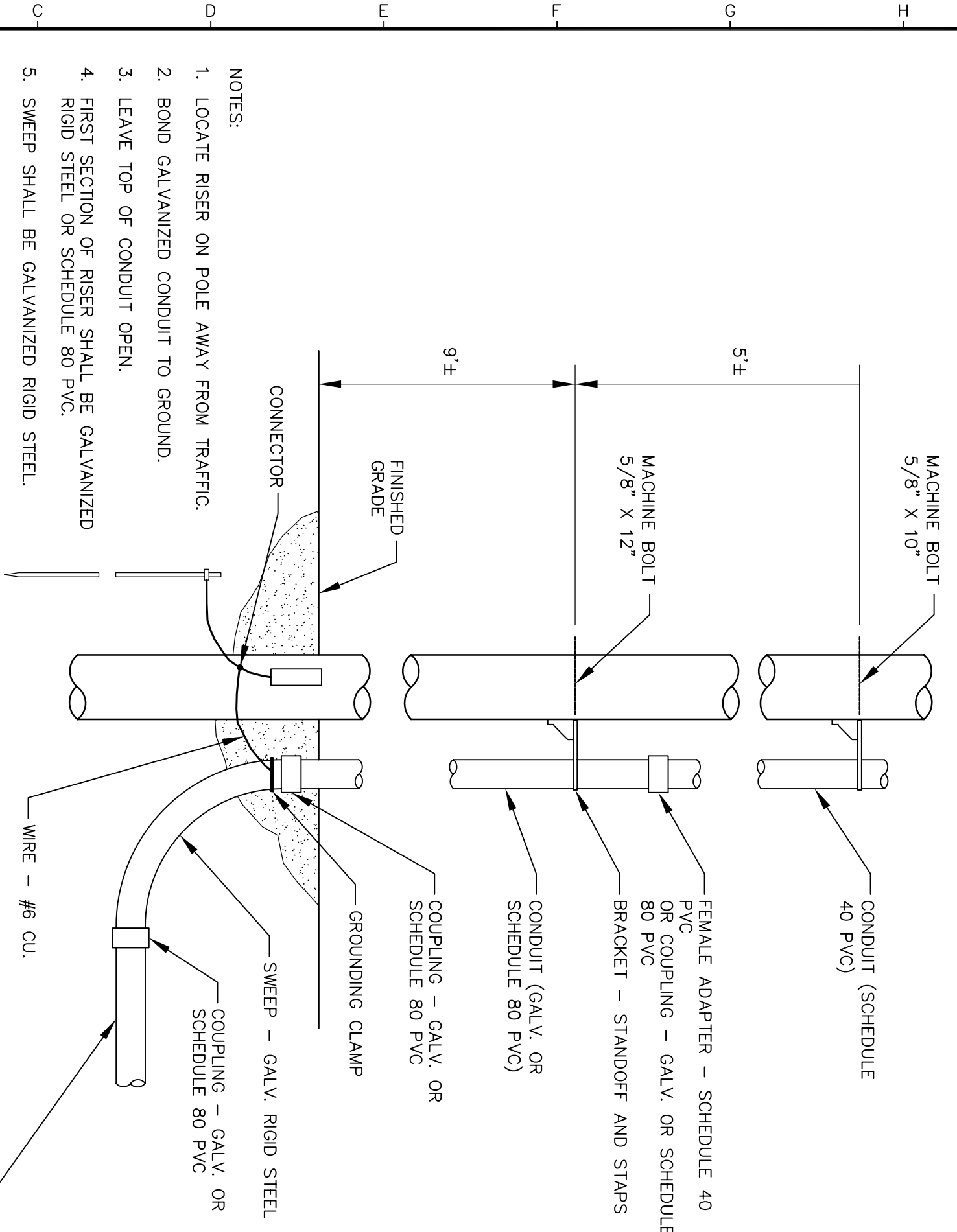
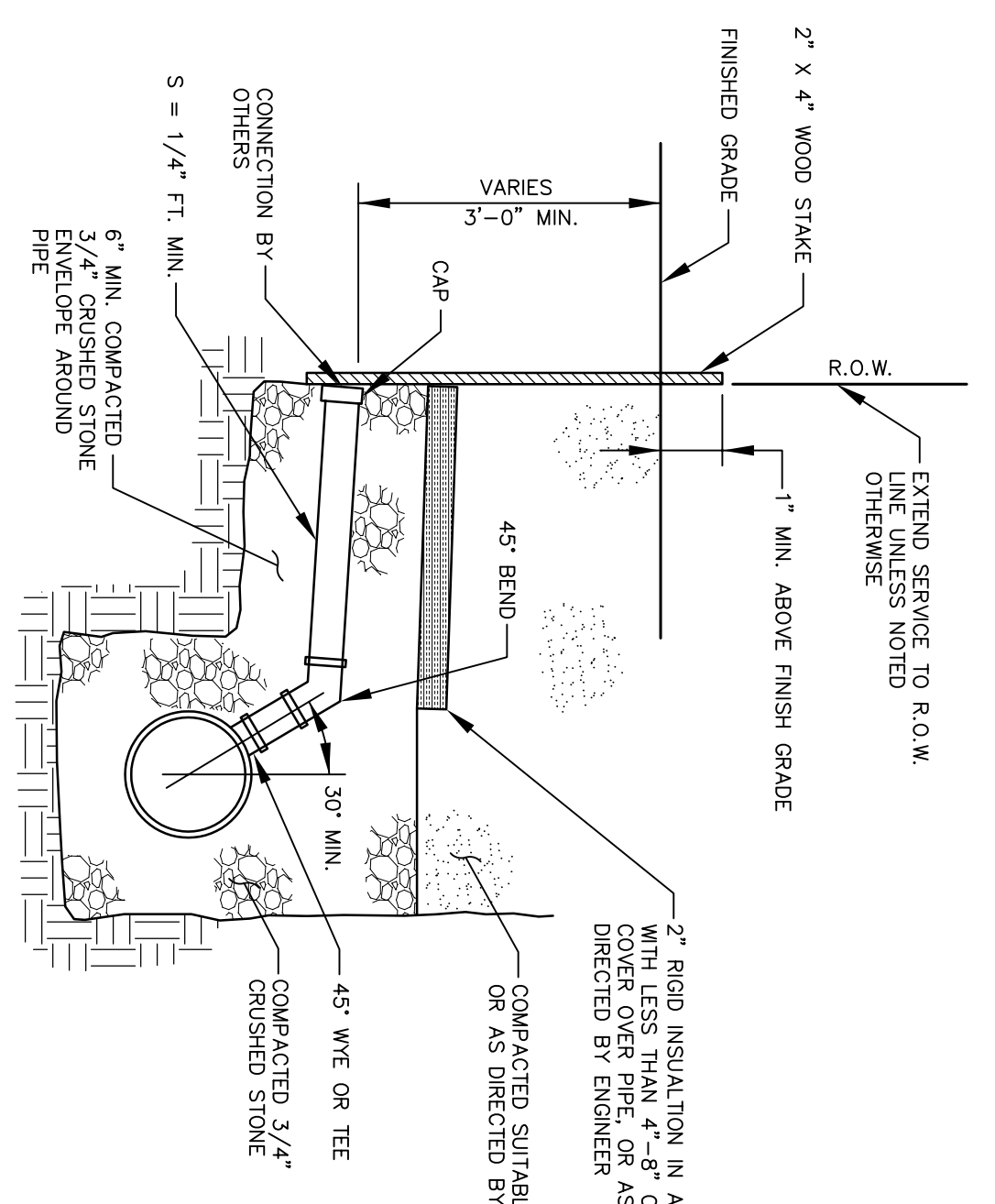


NOTE:
BRACING & SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET ALL CITY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE RESPONSIBILITY OF CONTRACTOR.



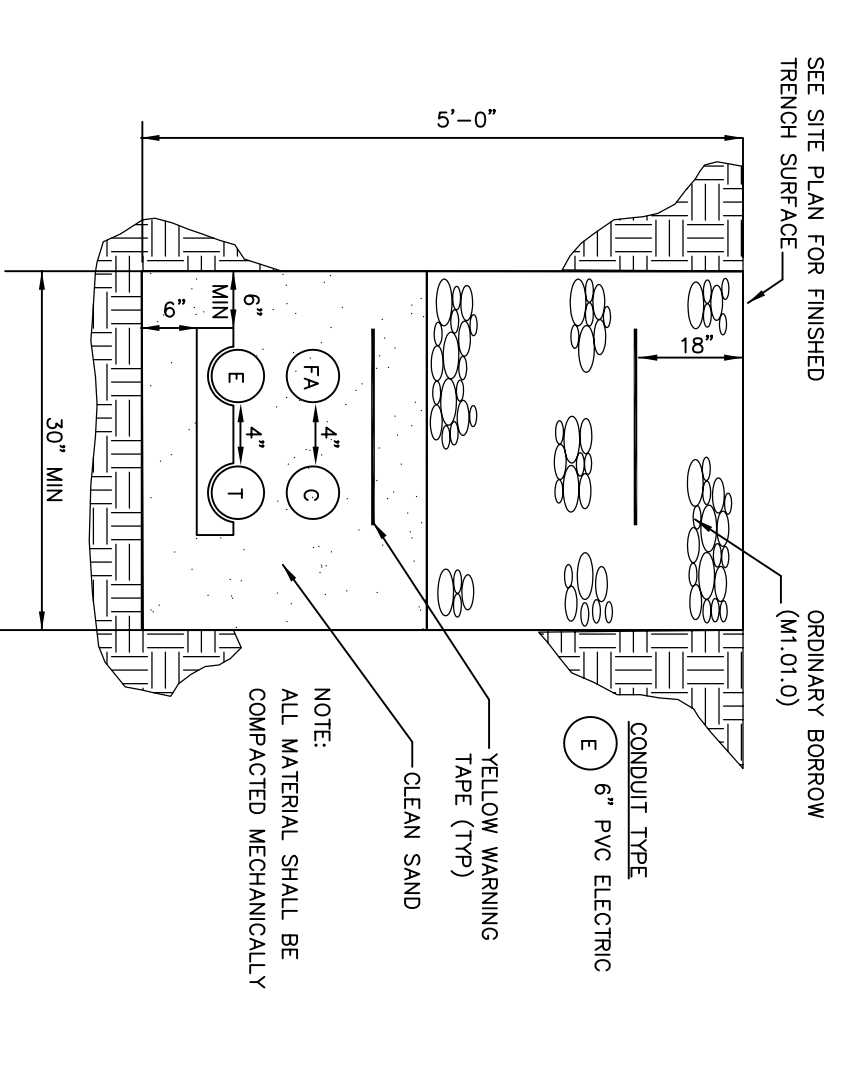
- NOTES:
1. LOCATE RISER ON POLE AWAY FROM TRAFFIC.
 2. BOND GALVANIZED CONDUIT TO GROUND.
 3. LEAVE TOP OF CONDUIT OPEN.
 4. FIRST SECTION OF RISER SHALL BE GALVANIZED RIGID STEEL OR SCHEDULE 80 PVC.
 5. SWEEP SHALL BE GALVANIZED RIGID STEEL.

CONSTRUCT IN ACCORDANCE WITH CMP STANDARDS
TYPICAL RISER DETAIL
NOT TO SCALE

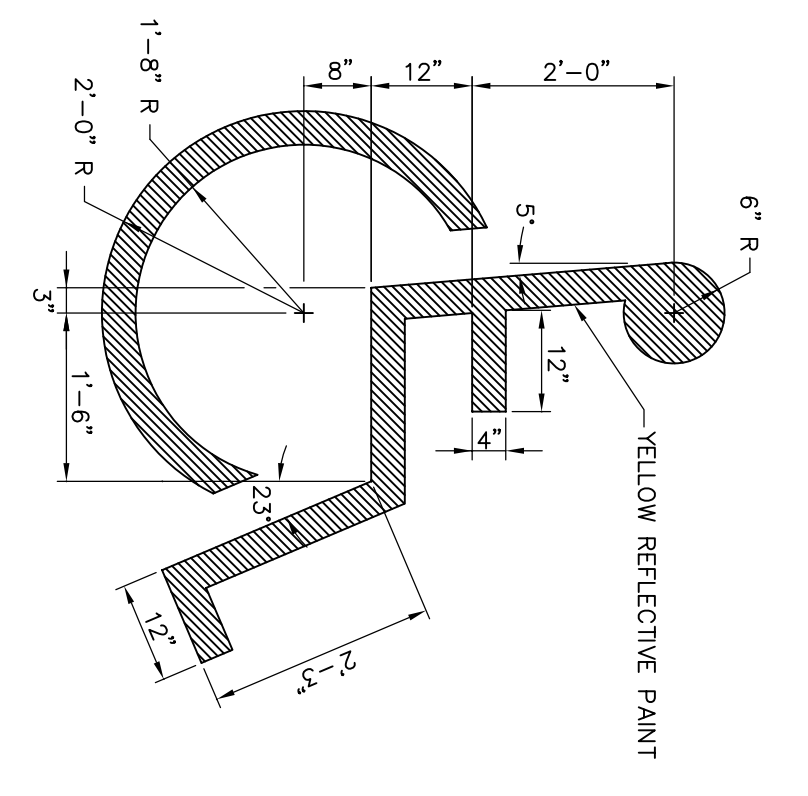


NOTE:
PIPE DIAMETERS MAY VARY. SEE TYPICAL PIPE TRENCH DETAIL WHERE 30\"/>

CONSTRUCT IN ACCORDANCE WITH CITY OF PORTLAND STANDARDS
HORIZONTAL SEWER CONNECTION
NOT TO SCALE

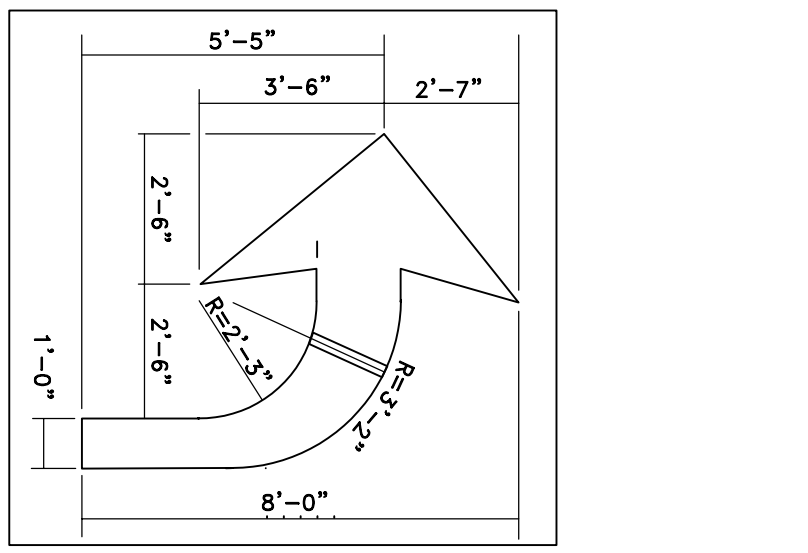


ALL TRENCH CONDUITS SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED
CONSTRUCT IN ACCORDANCE WITH CMP/FAIRPOINT/TIME WARNER STANDARDS
COMMON TRENCH DETAIL
ELECTRIC/TELEPHONE/FIRE ALARM/CABLE
NOT TO SCALE



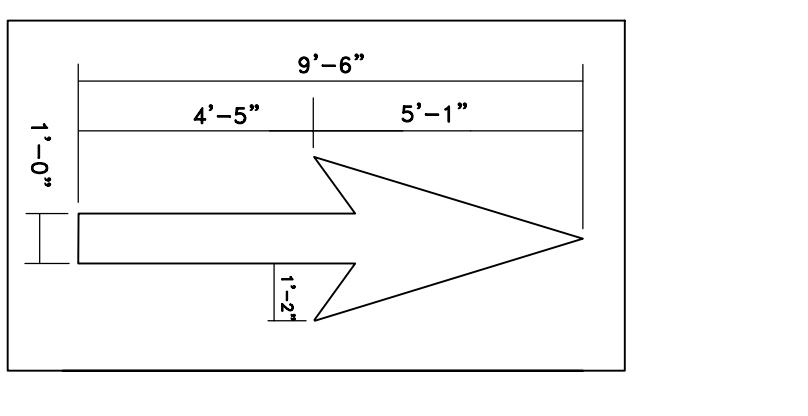
NOTE: PER MDOT ITEM 627
N.T.S.

HANDICAPPED PAINTING



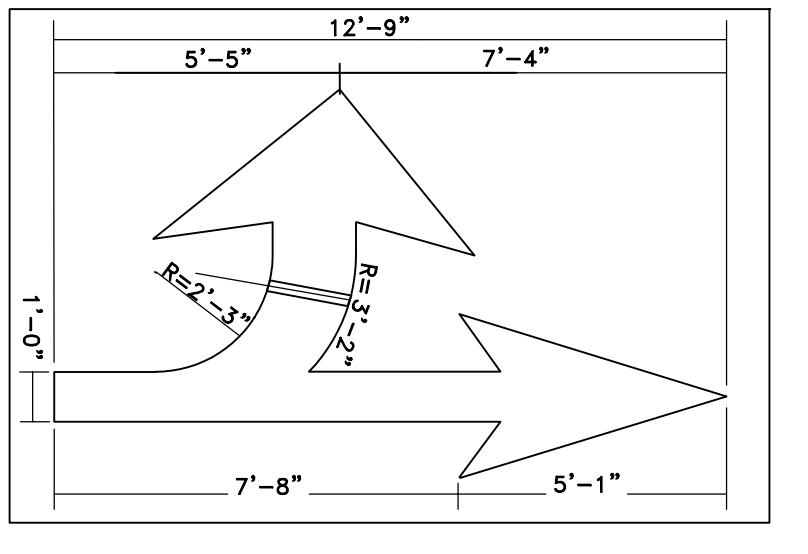
NOTE: PER MDOT ITEM 627
N.T.S.

TURN ARROW



NOTE: PER MDOT ITEM 627
N.T.S.

THROUGH (STRAIGHT) ARROW

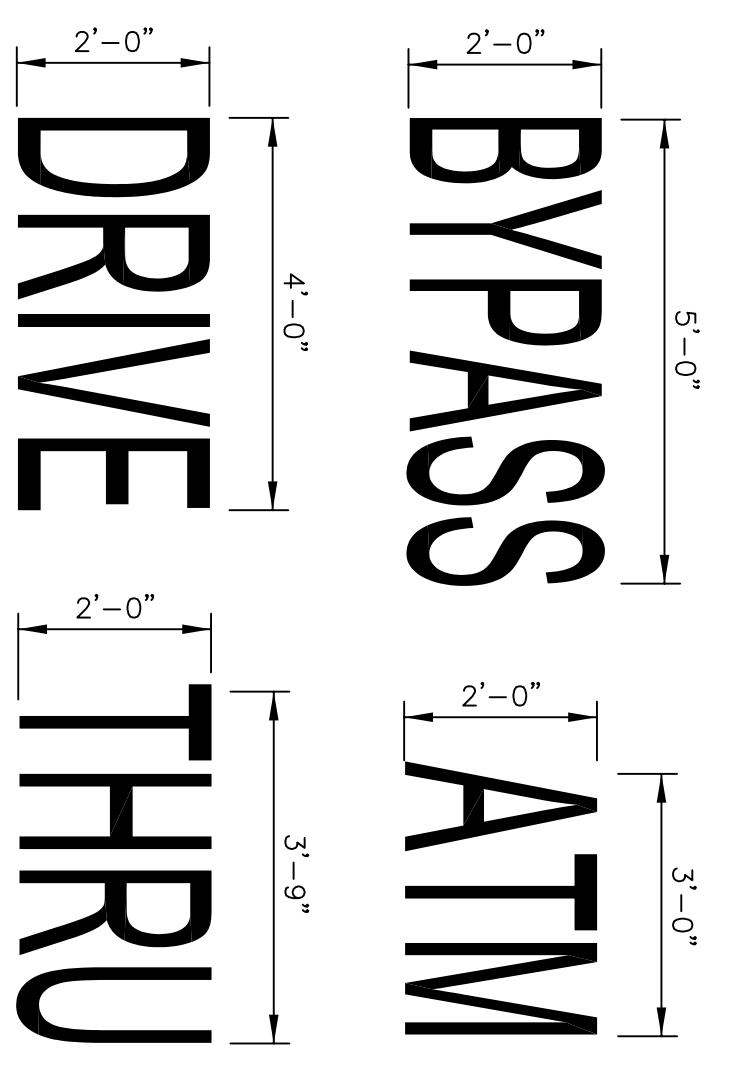


NOTE: PER MDOT ITEM 627
N.T.S.

COMBINATION ARROW

PAVEMENT MARKING NOTES :

1. ALL PAVEMENT MARKING WORDS AND SYMBOLS SHALL BE RETROREFLECTIVE WHITE AND SHALL CONFORM TO THE MUTCD AND MDOT ITEM 627.
2. WORDS AND SYMBOLS SHALL BE CENTERED LATERALLY WITHIN THE LANE. THE LONGITUDINAL DIMENSION SHALL BE PARALLEL TO THE LANE.
3. MULTI-WORD MESSAGES SHALL READ "UP"; THAT IS, THE FIRST WORD SHALL BE NEAREST THE APPROACHING DRIVER.
4. THE WORD "ONLY" SHALL NOT BE USED WITH THROUGH OR COMBINATION ARROWS, AND SHALL NOT BE USED ADJACENT TO A BROKEN LANE LINE; A TURN ARROW SHALL PRECEED THE WORD "HOWEVER, THE SHAFTS OF THE ARROWS SHALL COINCIDE.
5. COMBINATION ARROWS MAY BE COMPRISED OF 2 SINGLE ARROWS (e.g. TURN AND THROUGH ARROWS).
6. PREFORMED TAPE WORDS AND SYMBOLS SHALL BE PRE-CUT, EITHER BY THE MANUFACTURER OR THE CONTRACTOR.
7. WRONG-WAY ARROWS SHALL NOT BE SUBSTITUTED FOR THROUGH ARROWS.
8. LONGITUDINAL SPACING BETWEEN SUCCESSIVE WORDS AND/OR SYMBOLS SHOULD BE AT LEAST 4 TIMES THE HEIGHT OF THE LARGEST CHARACTER.



NOTE: PER MDOT ITEM 627
N.T.S.

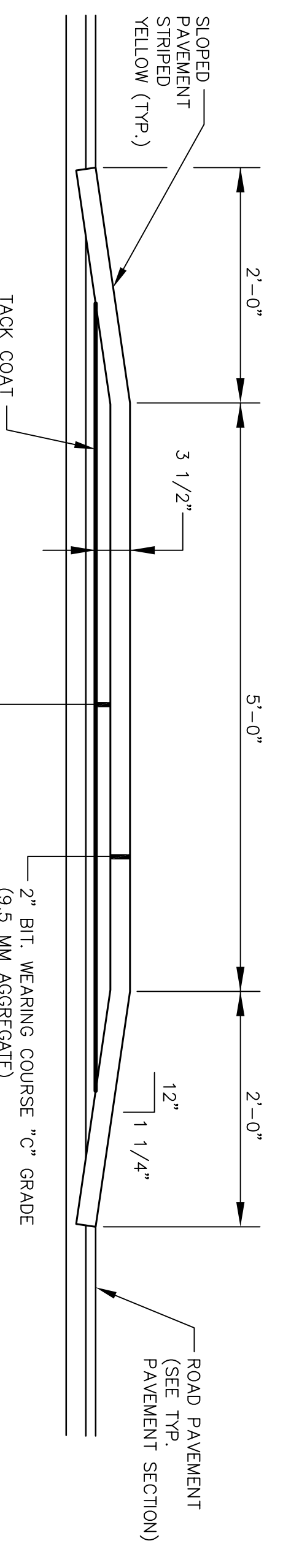
PAVEMENT TEXT

GENERAL NOTES:

1. LOCATIONS OF UTILITIES ARE APPROXIMATE.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL THE UTILITIES LOCATE THEIR SERVICES PRIOR TO THE START OF CONSTRUCTION.
3. ALL EXISTING CATCH BASINS, MANHOLES, CONNECTIONS, AND OUTLET PIPING SHALL BE CLEANED AND LEFT IN SATISFACTORY OPERATING CONDITION AFTER CONSTRUCTION HAS BEEN COMPLETED. NO SEPARATE PAVEMENT WILL BE MADE FOR THIS WORK.
4. ALL MANHOLE FRAMES SHALL BE SUPPLIED WITH SOLID MANHOLE COVERS. SEE STANDARD DETAIL.
5. ALL GRANITE CATCH BASIN STONES, MANHOLE FRAMES AND COVERS TO BE REMOVED SHALL BE REUSED AS DIRECTED BY THE PROJECT ENGINEER. NO SEPARATE PAVEMENT WILL BE MADE FOR THIS WORK.
6. ALL TERMINAL MANHOLES SHALL HAVE CHANNELS CONSTRUCTED STRAIGHT THROUGH THE MANHOLE.

GENERAL NOTES FOR SEWER PIPES, MANHOLES AND CATCH BASINS

1. ALL CONCRETE SHALL BE CLASS "A" AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 LBS. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.
2. PRECAST REINFORCED CONE BARREL MANUFACTURED PER ASTM SPEC. C-498-67
3. SEWER BRICK SHALL CONFORM TO ASTM SPEC. DESIGNATION ON C-32-63, GRADE WA AND SA.
4. ALL MANHOLES SHALL HAVE A BITUMINOUS WATERPROOFING APPLIED TO THE EXTERIOR SURFACE.
5. CASTINGS SHALL CONFORM TO ASTM DESIGNATION A88-CLASS 35. ALL PARTS OF CASTINGS, EXCEPT FINISHED SURFACE, SHALL RECEIVE A COAT OF COAL TAR PITCH VARNISH OR ASPHALTUM PAINT WHICH SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.
6. MANHOLES TO BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE.
7. ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY LABEL, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANUFACTURER.
8. STONM AND SEWER MANHOLES SHALL HAVE CAST IRON COVERS WITH ONE DRILLED PICK-HOLE. 28\"/>
- 9. ALL SEWER PIPES USED SHALL BE SDR-35, MEETING THE REQUIREMENTS OF ASTM 3034. PIPES SHALL HAVE GASKETS AND BE INSTALLED WITH BELLS DRINK.
- 10. THE RUBBER BOOT FOR THE SEWER PIPE PENETRATIONS INTO THE MANHOLES SHALL HAVE AT LEAST 2 STAINLESS STEEL CLAMPS.



NOTE: PER MDOT ITEM 403
SPEED TABLE/RAISED CROSSWALK DETAIL
N.T.S.

NCS Northeast Civil Solutions
SURVEYING ENGINEERING LAND PLANNING
153 US ROUTE 1, SCARBOROUGH, MAINE 04074
Tel: 207.882.2200 Fax: 207.882.2202
www.northeastcivilsolutions.com

Gawron Turgeon ARCHITECTS
202 Black Point Road
Scarborough, Maine 04074
Tel: 207-882-8307 Fax: 207-882-0281

PORT CREDIT UNION
285 FOREST AVE
PORTLAND, MAINE

REVISIONS

#	DATE	DESCRIPTION

DATE: _____
PROJECT # _____
DRAWN BY: _____
CHECKED BY: _____
DRAWING SCALE AS NOTED

SHEET TITLE
CONSTRUCTION DETAILS - SHEET 2

C-9

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