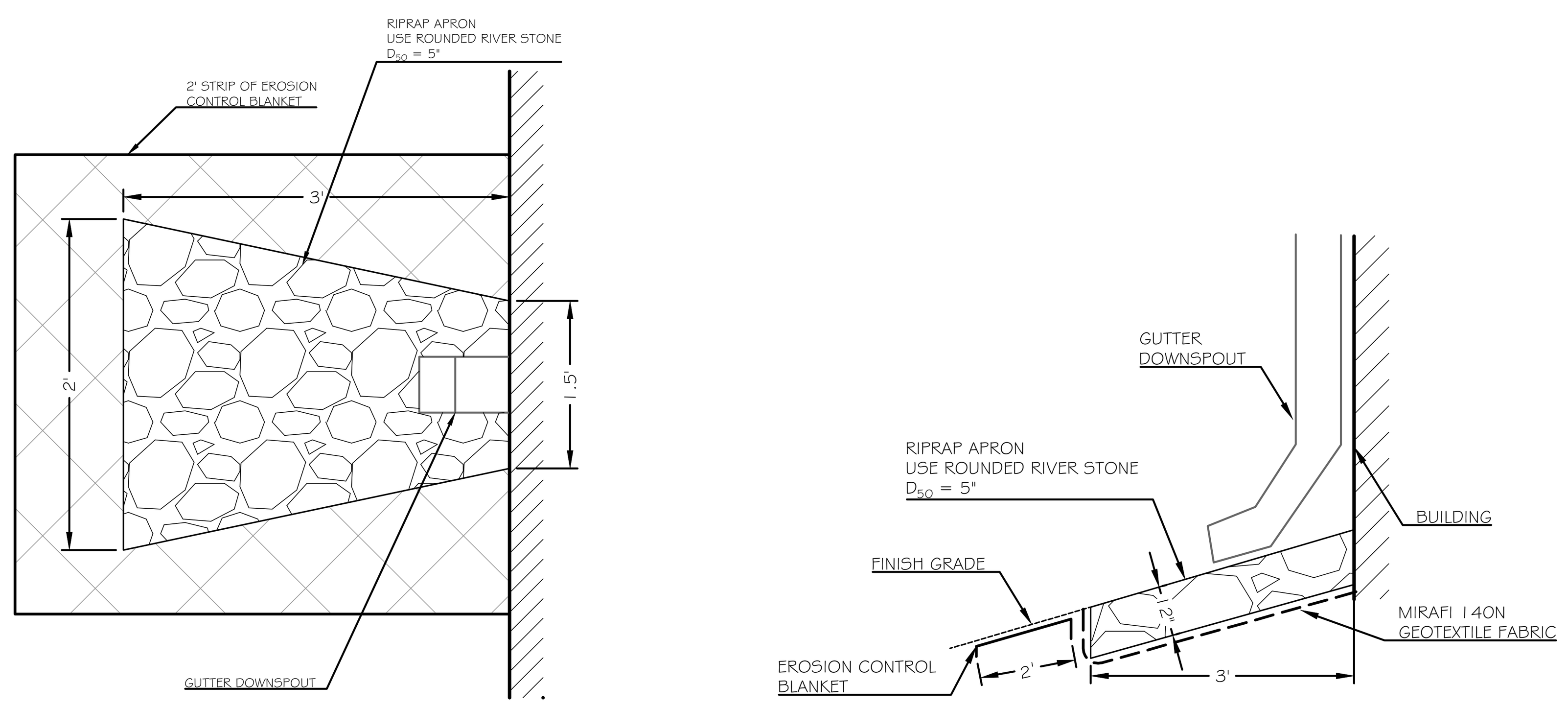
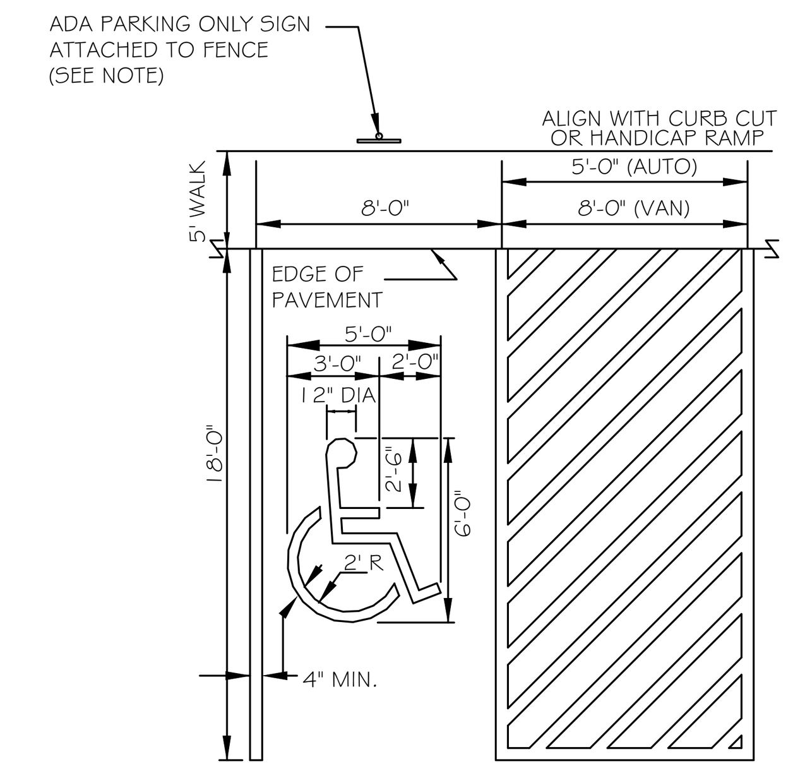


1 / C403 — GUTTER APRON DETAIL

NOT TO SCALE

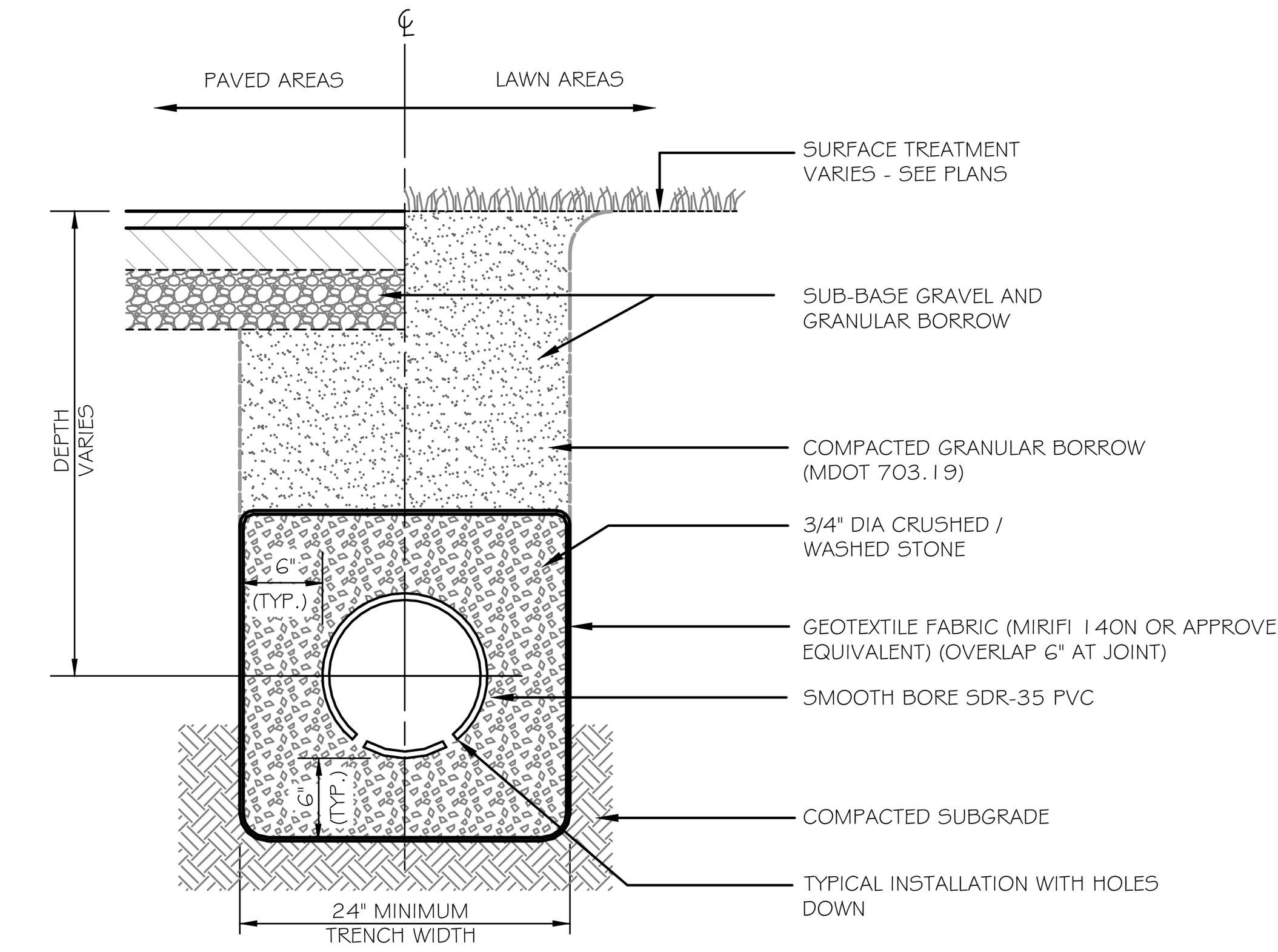


NOTE:

1. ALL ACCESSIBLE PARKING SPACE SIGNS SHALL BE MUTCD R7-8. ' VAN ACCESSIBLE' PLAQUES (MUTCD R7-8P) SHALL BE PROVIDED FOR ALL SPACES WITH AN 8' WIDE (OR WIDER) AISLE. BOTTOM OF SIGNS SHALL BE MIN. 5' ABOVE GRADE.
2. PAINT ALL PAVEMENT STRIPES AND LINES 4 INCHES WIDE (TYP.)
3. ALL ACCESSIBLE PARKING SPACES SHALL MEET MOST RECENT ADA STANDARDS FOR ACCESSIBLE DESIGN

2 / C403 — ACCESSIBLE PARKING STALL DETAIL

NOT TO SCALE



NOTES:

1. BACKFILL MATERIAL WITHIN TRENCH BEYOND UNDERDRAIN LATERAL LIMITS SHALL, AS A MINIMUM, CONFORM TO THE REQUIREMENTS OF GRANULAR BORROW.
2. UNDERDRAIN SHALL CONFORM TO THE REQUIREMENTS OF MDOT 605.04, TYPE "B", EXCEPT AS NOTED.
3. OUTLETS SHALL BE CONNECTED TO THE STORM DRAIN SYSTEM AS SHOWN ON THE PLANS, OR GRADED BY GRAVITY TO A SUITABLE DISCHARGE POINT.

3 / C403 — UNDERDRAIN TRENCH DETAIL

NOT TO SCALE

INSTALLATION (1 of 3)

WARNING! DO NOT AIR TEST UNIT OR TELEGLIDE RISER SYSTEM! Doing so may result in property damage, personal injury or death.

LEAK/SEAL TESTING

Cap/plug all base unit plumbing connections and remove covers. **For base unit testing**, fill with water to just above the highest connection. **For riser system testing** (if required) fill with water to finished grade level. **CAUTION: Risers must be supported before filling with water to prevent tipping.** Inspect unit, connections and all gaskets and clamps (if applicable) for leaks. Check water level at specific time intervals per local code.

GENERAL INSTALLATION INSTRUCTIONS

Schier grease interceptors are manufactured with an internal flow control system. They do not require an external flow control system or air intake vent. Schier grease interceptors are not to be installed in any other manner except as shown. Consult local codes for separate trapping requirements, cleanout locations and additional installation instructions.

1. The **flow control plate is not installed** on this unit. When the unit is installed 13 feet or more below the fixtures that flow into the unit, or a high flow/increased head pressure condition exists (causing a flow rate above 100 GPM), install the inlet diffuser flow control plate to maintain proper flow rate.
2. Set unit on level solid surface as close as possible to fixtures.
3. Connect outlet diffuser to the desired outlet (A,B,C). Unit is shipped with the outlet diffuser in location B and sealing caps on locations A and C.
4. Connect inlet and outlet drainage lines to unit. Mechanically couple pipes to unit. **Do not solvent weld.**
5. For units with cast iron covers, remove retainer clips prior to burial.

NOTE: Do not install below a hydrostatic slab.

BELOW GRADE INSTALLATION INSTRUCTIONS

EXCAVATION

1. Surrounding soil must be undisturbed soil or well compacted engineering fill.
2. Width and length of excavation shall be a minimum of 12" greater than the tank on all sides and depth shall be 6" deeper than tank bottom.
3. Set the tank level on a 6" deep layer of well-packed crushed aggregate material and connect waste piping per General Installation Instructions.

BACKFILL

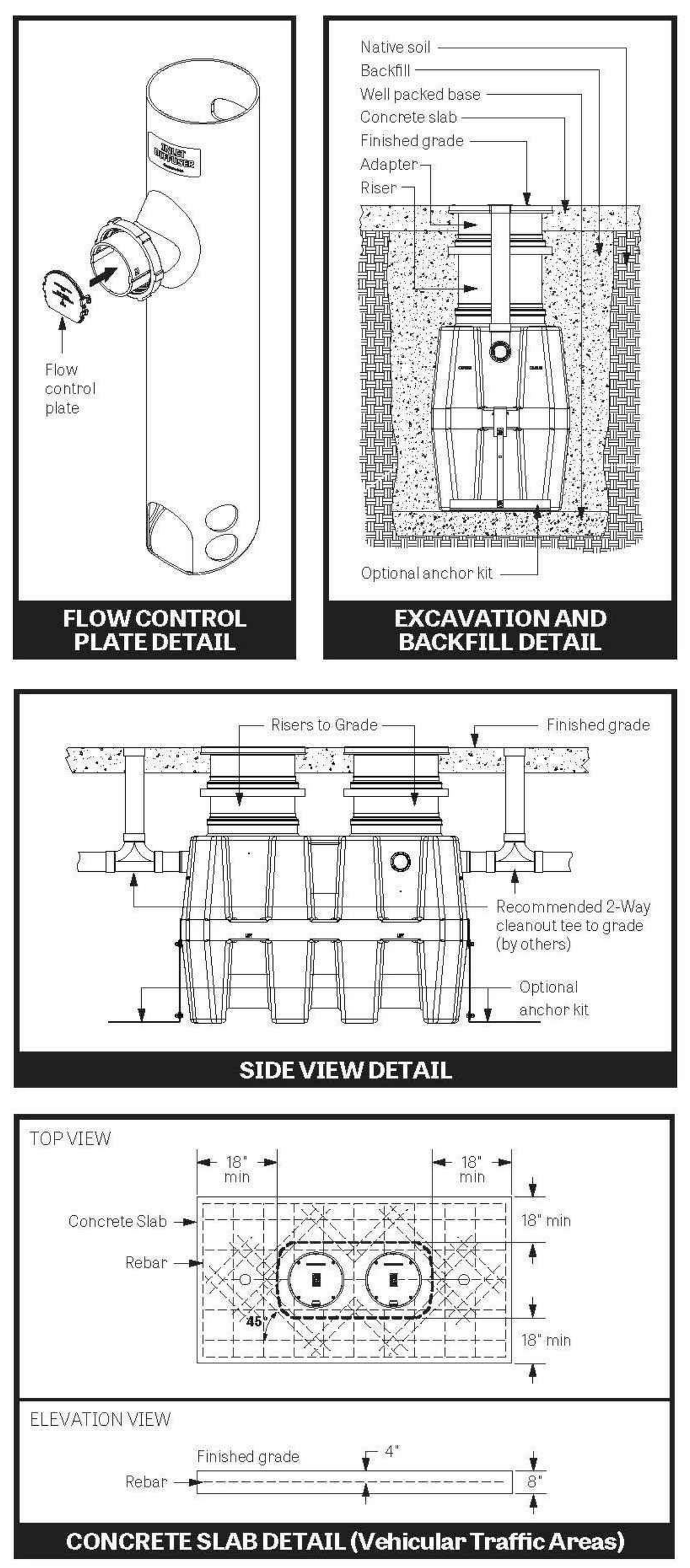
1. Preparation of sub grade per geotech recommendations.
2. Stabilize and compact sub grade to 95% proctor.
3. Fill unit with water before backfilling to stabilize unit and prevent float-out during backfilling. Secure covers and risers (if necessary) to the unit.
4. Backfill evenly around tank using crushed aggregate (approximately 3/4" size rock or sand, with no fines), or flowable fill. **Do not compact backfill around unit.**

FINISHED CONCRETE SLAB

Slab must extend 18" minimum outside the unit footprint.

Pedestrian traffic or greenspace areas: 4" Thick reinforced concrete slab required.

Vehicular traffic areas: Minimum 8" Thick concrete slab with rebar required; final thickness of concrete around cover to be determined by specifying engineer. If traffic loading is required the concrete slab dimensions shown are for guideline purposes only. Concrete to be 28 day compressive strength to 4,000 PSI. Use NO. 4 rebar (ø 1/2") grade 60 steel per ASTM A615: connected with tie wire. Rebar to be 2-1/2" from edge of concrete and spaced in a 12" grid with 4" spacing around access openings.



SCHIER LIFETIME GUARANTEED GREASE INTERCEPTORS

MODEL NUMBER: GB-250	DESCRIPTION: Polyethylene Grease Interceptor 100 GPM - 275 gallon capacity			
PART #: 4055-001-XX	DWG BY: C. O'Boyle	DATE: 10/08/2015	REV: 0 __/__/201_	ECO:

9500 Woodend Road | Edwardsville, KS 66111 | Tel: 913-951-3300 | Fax: 913-951-3399 | www.schierproducts.com

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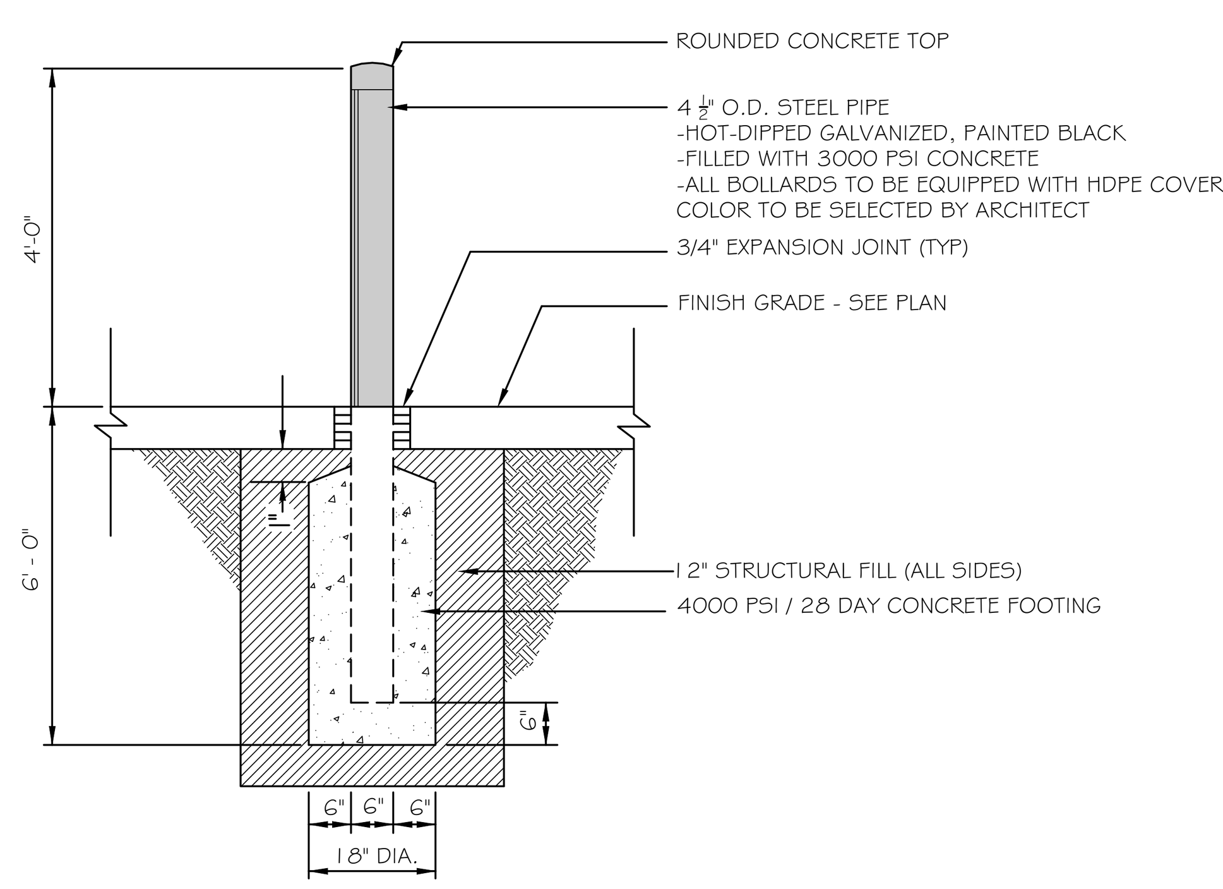
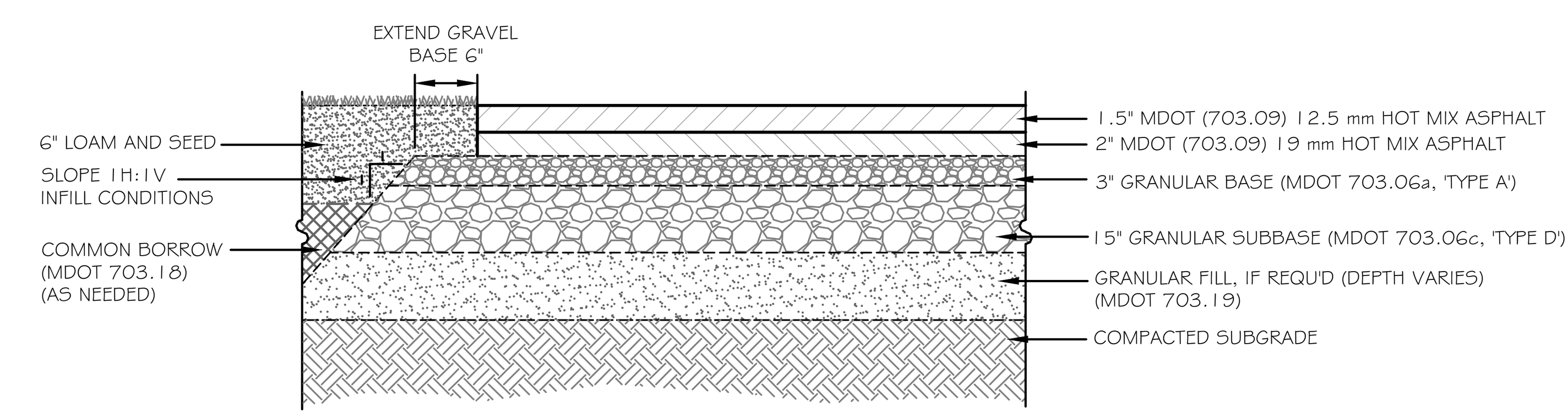
4 / C403 — GREASE TRAP INSTALLATION DETAILS

NOT TO SCALE



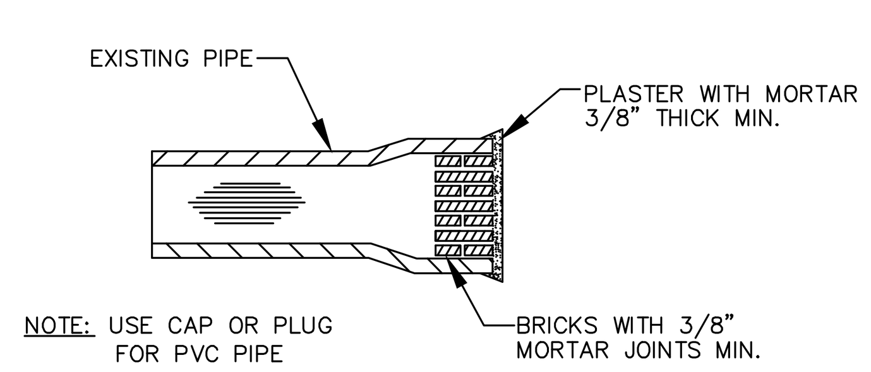
5 / C403 — BOLLARD DETAIL

NOT TO SCALE



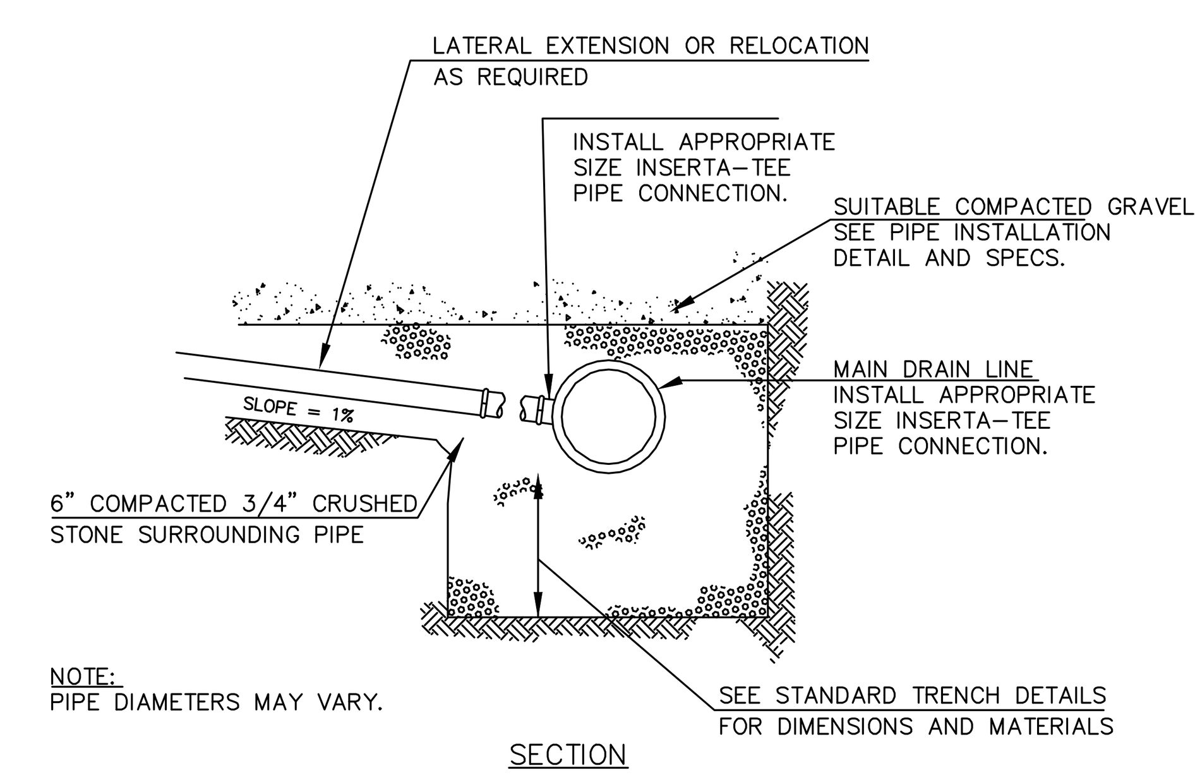
6 / C403 — BITUMINOUS CONCRETE PAVEMENT SECTION

NOT TO SCALE



7 / C403 — PIPE ABANDONMENT DETAIL

NOT TO SCALE



NOTE:

LOCATIONS AND ELEVATIONS OF STUBS SHOWN ON THE PLANS ARE TO BE CONSIDERED AS APPROXIMATE AND MAY BE ADJUSTED AS DIRECTED TO SUIT FIELD CONDITIONS.

HOUSE CONNECTIONS AND CATCH BASINS CONNECTIONS TO THE MAIN LINE OF THE SEWER, SHALL CONSIST OF AN APPROPRIATE "Y" BRANCH CONNECTION AS SHOWN ON THE PLANS, OR AS DIRECTED. ACTUAL "Y" LOCATIONS FOR HOUSE CONNECTIONS AND CATCH BASIN CONNECTIONS SHALL BE DETERMINED DURING CONSTRUCTION. THE CONTRACTOR SHALL KEEP A COMPLETE RECORD OF "Y" LOCATIONS WHICH SHALL BE GIVEN TO THE CITY OF PORTLAND UPON COMPLETION OF THE CONTRACT.
ALL PVC TO PVC COUPLING SHALL BE "SOLID PVC COUPLINGS".

8 / C403 — FOUNDATION DRAIN CONNECTION DETAIL

NOT TO SCALE

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WALSH ENGINEERING ASSOCIATES, INC.

PROJECT NO. 15031

PROJECT NAME SALVATION ARMY PORTLAND, MAINE

REVISIONS
1. 8/15/16
2. 9/8/16
3. -
4. -
5. -

DOCUMENTS NOT FOR CONSTRUCTION

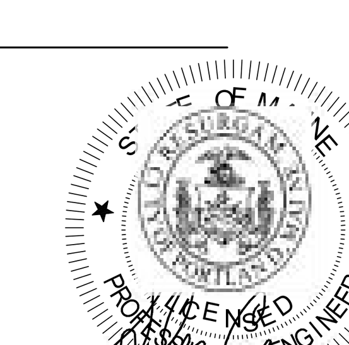
DRAWN BY SWC

SHEET TITLE Site Details

ISSUE DATE 8/2/16

SHEET SCALE N.T.S.

C403



CITY OF PORTLAND APPROVED SITE PLAN
Subject to Conditions of Approval and Standard Conditions

DATE OF APPROVAL 10-4-2016

PLANNER Jean Fraser

PROJECT NO. #2016-016