

ADA PARKING ONLY SIGN — ATTACHED TO FENCE (SEE NOTE) 5'-0" (AUTO) 8'-0" (VAN) EDGE OF

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 PARKING STALL DETAIL

NOT TO SCALE

- ROUNDED CONCRETE TOP

___ 3/4" EXPANSION JOINT (TYP)

——I 2" STRUCTURAL FILL (ALL SIDES)

4000 PSI / 28 DAY CONCRETE FOOTING

- FINISH GRADE - SEE PLAN

-HOT-DIPPED GALVANIZED, PAINTED BLACK

-ALL BOLLARDS TO BE EQUIPPED WITH HDPE COVER

-FILLED WITH 3000 PSI CONCRETE

COLOR TO BE SELECTED BY ARCHITECT

- 4 ½" O.D. STEEL PIPE

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UNDERDRAIN TRENCH DETAIL

TO THE REQUIREMENTS OF GRANULAR BORROW.

GRAVITY TO A SUITABLE DISCHARGE POINT.

TRENCH WIDTH

I. BACKFILL MATERIAL WITHIN TRENCH BEYOND UNDERDRAIN LATERAL LIMITS SHALL, AS A MINIMUM, CONFORM

3. OUTLETS SHALL BE CONNECTED TO THE STORM DRAIN SYSTEM AS SHOWN ON THE PLANS, OR GRADED BY

2. UNDERDRAIN SHALL CONFORM TO THE REQUIREMENTS OF MDOT 605.04, TYPE "B", EXCEPT AS NOTED.

PAVED AREAS

LAWN AREAS

— SURFACE TREATMENT VARIES - SEE PLANS

SUB-BASE GRAVEL AND

- COMPACTED GRANULAR BORROW

EQUIVALENT) (OVERLAP 6" AT JOINT)

TYPICAL INSTALLATION WITH HOLES

GEOTEXTILE FABRIC (MIRIFI 140N OR APPROVED

GRANULAR BORROW

(MDOT 703.19)

· 3/4" DIA CRUSHED / WASHED STONE

- SMOOTH BORE SDR-35 PVC

—— COMPACTED SUBGRADE

NOT TO SCALE

PLAN VIEW **GUTTER APRON DETAIL** NOT TO SCALE \ C403



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

GENERAL INSTALLATION INSTRUCTIONS

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.
- 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.

2. Set unit on level solid surface as close as possible to fixtures.

NOTE: Do not install below a hydrostatic slab. **BELOW GRADE INSTALLATION INSTRUCTIONS**

EXCAVATION 1. Surrounding soil must be undisturbed soil or well compacted

- 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

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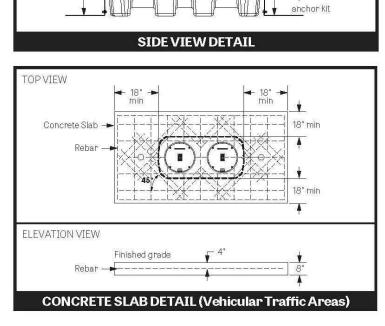
NOT TO SCALE

- Preparation of sub grade per geotech recommendations.
 Stabilize and compact sub grade to 95% proctor.
 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



Risers to Grade ----

Concrete slab -

Finished grade —

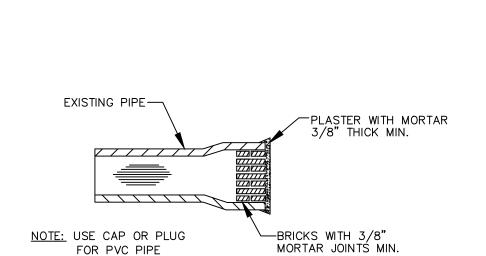
EXCAVATION AND

BACKFILL DETAIL



GREASE TRAP INSTALLATION DETAILS





18" DIA.

BOLLARD DETAIL

NOT TO SCALE

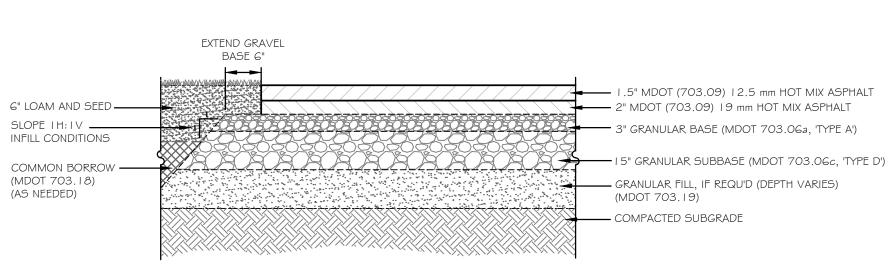
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PIPE ABANDONMENT DETAIL

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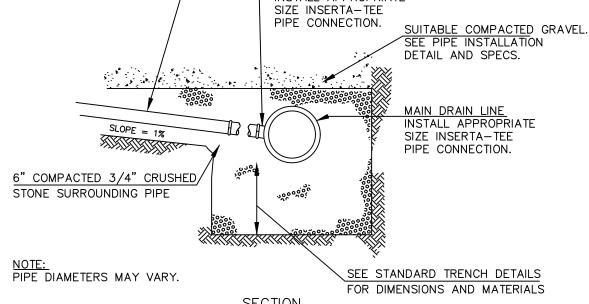






BITUMINOUS CONCRETE PAVEMENT SECTION

LATERAL EXTENSION OR RELOCATION INSTALL APPROPRIATE SIZE INSERTA-TEE PIPE CONNECTION.



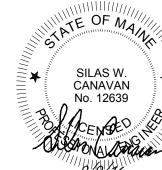
LOCATIONS AND ELEVATIONS OF STUBS SHOWN ON THE PLANS ARE TO BE CONSIDERED AS APPROXIMATE AND MAY BE ADJUSTED AS DIRECTED TO SUIT FIELD CONDITIONS.

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".



FOUNDATION DRAIN CONNECTION DETAIL





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