

2. NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACKFILL. 3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.

7. NO BOULDERS 8" IN DIAMTER OR GREATER ALLOWED.

4. BACKFILL SHALL BE TAMPED IN 6" LIFTS IN TRAFFIC AREAS, 12" IN NON-TRAFFIC AREAS. 5. ACHIEVE 80% COMPACTION IN NON-TRAFFIC AREAS, AND 95% COMPACTION IN TRAFFIC AREAS. 6. IF IN EASEMENT 4" TOPSOIL, AND 12" CLEAN SELECT FILL IS REQUIRED.

REQUIREMENTS FOR DUCTILE IRON AND REINFORCED CONCRETE PIPE

UNDISTURBED BACKFILL BOTTOM HALF -

TYPICAL TRENCH BOTTOM DIMENSIONS **FOR SDR 35 PVC GRAVITY PIPE** 

1. FOR TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE

FACE OF THE SHORING AND BRACING. 2. NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACKFILL. 3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.

4. BACKFILL SHALL BE TAMPED IN 6" LIFTS IN TRAFFIC AREAS, 12" IN NON-TRAFFIC AREAS.

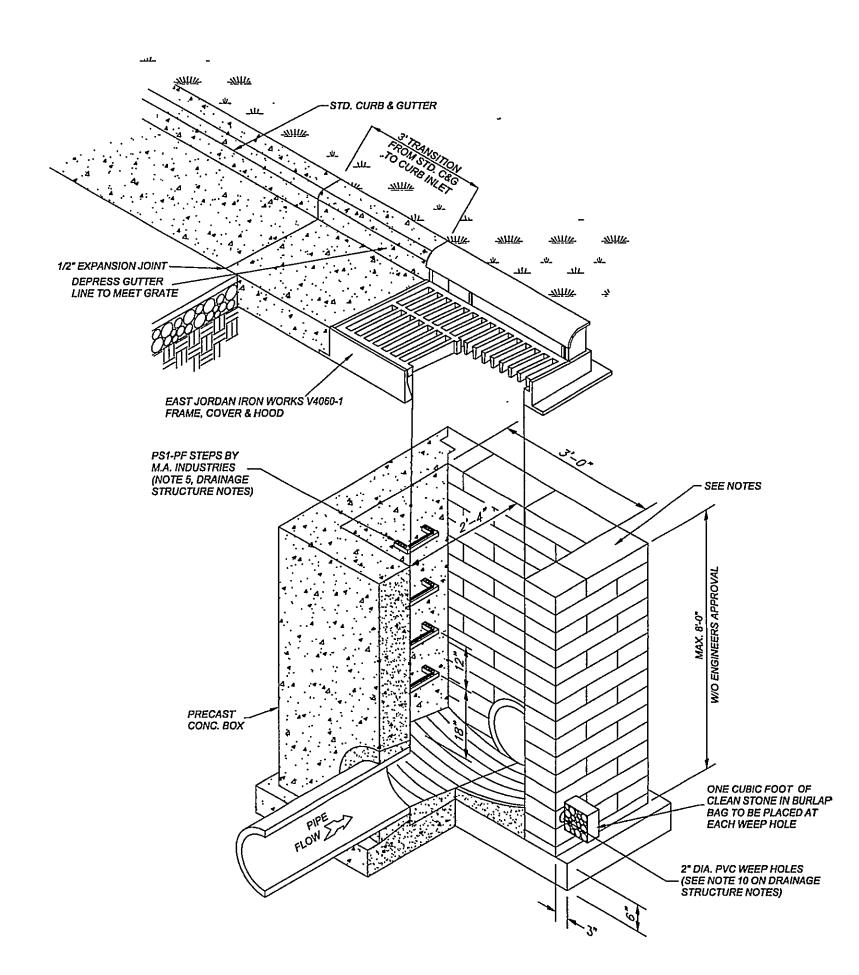
TRENCH DETAILS

# Landscape Architecture Civil Engineering Land Planning 601 N. Trade Street Suite 200 Winston Salem, NC 27101-2916 P: 336.723.1067 F: 336.723.1069

**DETAILS** 

## DRAINAGE STRUCTURE NOTES

- 1. BOXES SHALL COMPLY WITH LOCAL JURISDICTIONAL STANDARDS AND
- 2. ANY NONSTANDARD BOX IS TO BE DESIGNED BY A PROFESSIONAL
- 3. THE MAXIMUM HEIGHT OF AN UN-REINFORCED MASONRY DRAINAGE STRUCTURE WITH 8" WALLS SHALL BE LIMITED TO 8'-0" FROM INVERT OF THE OUTLET PIPE TO THE TOP OF THE CASTING. DEPTHS GREATER THAN 8'-0" SHALL HAVE WALLS 12" THICK. BASINS OVER 12' IN TOTAL DEPTH SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER. FOUR INCH WALLS ARE NOT ALLOWED ON DRAINAGE STRUCTURES. BOTTOM SLAB ON STRUCTURES SHALL BE REINFORCED WHEN BOX DEPTHS EXCEEDS 8 FT.
- 4. STEPS ARE TO BE PROVIDED ON ALL BASINS DEEPER THAN 42".
- 5. STEPS ARE TO BE PS1-PF AS MANUFACTURED BY M.A. INDUSTRIES OR AN APPROVED EQUAL. LOCATE ON NON-PIPE WALLS.
- 6. MORTAR IN MASONRY BOXES IS TO BE TYPE M
- 7. CLAY BRICK STRUCTURES ARE NOT ALLOWED.
- 8. CONCRETE PIPE IS TO BE MINIMUM CLASS III.
- 9. CONCRETE BUILDING BRICK IS TO MEET ASTM C-55, GRADE N, TYPE 1.
- 10. BASINS LOCATED IN WET AREAS, OR AS OTHERWISE REQUIRED BY THE TOWN ENGINEER, SHALL HAVE WEEP HOLES AS SHOWN ON DETAILS.
- 11. ALL CAST-IN-PLACE PRECAST CONCRETE DRAINAGE STRUCTURES LOCATED IN PAVED AREAS ACCESSIBLE TO TRUCK LOADINGS TO BE DESIGNED TO MEET AASHTO HS 20-44 LOADING. SEE MANUFACTURERS DETAILS FOR WALL, TOP AND BOTTOM THICKNESS.

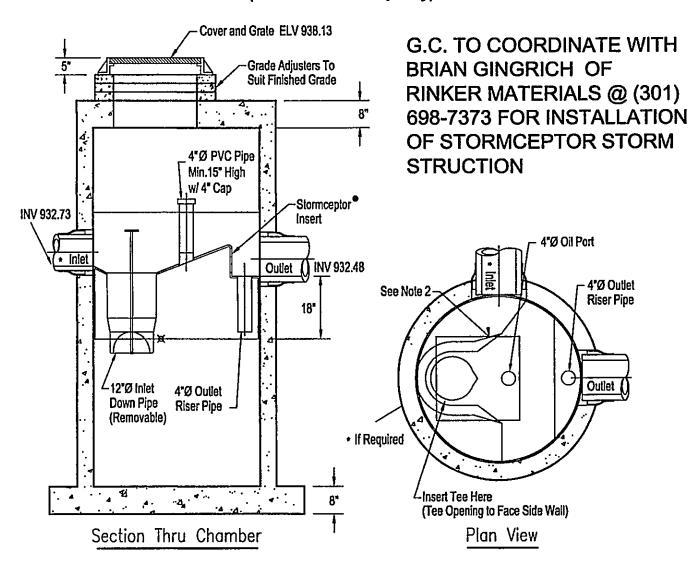


McDONALDS STANDARD CURB INLET



Concrete Pipe Division

#### STC 450i Precast Concrete Stormceptor (450 U.S. Gallon Capacity)



- 1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
- 2. The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port.
- 3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
- 4. Contact a Concrete Pipe Division representative for further details not listed on this drawing. BRIAN GINGRICH (301) 698—7373

### Maintenance Procedure — Inlet Stormceptor®

Inspect and maintain the Inlet Stormceptor® from the surface, without entry into the unit. Perform maintenance once the stored volume reaches 15 percent of the Stormceptor® capacity (8" Depth in 450i Model), or immediately in the event of

Maintenance intervals vary depending on the application. We recommend quarterly inspections during the first year of installation to accurately establish a maintenance schedule.

The inlet drop pipe has a tapered insert connected to a handle. After removing the handle, remove oil and sediment from the 12-inch diameter inlet drop pipe.

Requirements for the disposal from Stormceptor® are similar to that of any other best management practice. Consult local guidelines or Rinker Stormceptor before disposing of the separator contents. If you need assistance for cleaning a Stormceptor unit, contact your local Rinker Materials Representative, or the Stormceptor Information Line at (800) 909-7763.



STORMCEPTOR 450 i STORM STRUCTURE

SAPA PROJECT # 07-240

07-240BASE.DWG

	SPECIFICATION NOTE: McDONALD'S COMPACTION PER ABOVE S	ENGINEER RESERVES I TEST AND/OR A CORE PECIFICATION, TESTS OTHERWISE, GENERAL PARKING II	REPORT FOR SITE SI THE RIGHT TO REQU SAMPLE. IF TESTS F WILL BE AT THE EXP	PECIFIC PA JEST A PROVE COF ENSE OF L. BE CHAR	@ 60 @ 60 @ 90	•						THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF MCDONALD'S USA, LI. AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.		RALEIGH REGION
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