

**SHEET FLOW**

- VEGETATED FILTER STRIP
- GRAVEL/STONE DIAPHRAGM
- VEGETATED LEVEL SPREADER

**CONCENTRATED FLOW**

- PRE-TREATMENT (FOREBAY) CELL
- GRAVEL/STONE FLOW SPREADER

AS SHOWN ON APPROVED PLANS

CONTENTS:  
 85% to 88% SAND  
 8% to 12% SOIL FINES  
 3% to 5% ORGANIC MATTER

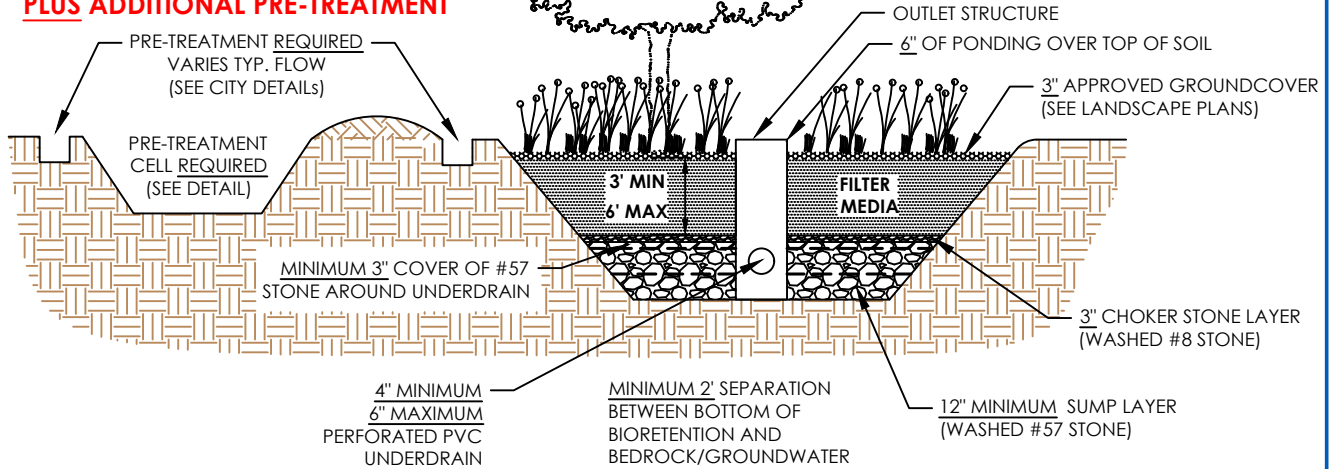
WITHIN BIORETENTION AREAS.

SEE LANDSCAPE PLAN FOR PLANTING DETAILS.

SEE GRADING AND DRAINAGE PLAN FOR UNDERDRAIN LAYOUT.

MAX 3:1 SLOPES INTO BIORETENTION AREA. 4:1 SLOPES PREFERRED.

**LEVEL II REQUIRES PRE-TREATMENT CELL PLUS ADDITIONAL PRE-TREATMENT**




1. EXCAVATORS SHALL WORK FROM THE OUTSIDE THE GREEN INFRASTRUCTURE PRACTICE (GIP) FOOTPRINT. EXCAVATED AREAS SHALL NOT BE COMPACTED OR LOADED IN ANY WAY AS TO CAUSE SOIL COMPACTION.
2. DURING EXCAVATION, MOIST CONDITIONS MAY CAUSE FINES TO CLOG THE NATIVE SOIL SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAINFALL OR IF SMEARING OCCURS, HAND RAKE OR SCARIFY THE SURFACE TO A DEPTH OF 12" TO RESTORE INFILTRATION CAPACITY.
3. DURING CONSTRUCTION PHASE, CONTRACTOR SHALL DIVERT RUNOFF FLOW AROUND THE GIP AREAS TO ENSURE SEDIMENT DOES NOT ENTER.
4. RECYCLED MATERIAL IS NOT APPROVED FOR USE IN GIP FACILITIES.
5. UTILITIES AND IRRIGATION ARE PROHIBITED WITHIN THE GIP FOOTPRINT.
6. WATER QUALITY SIGNS SHALL BE INSTALLED IN ALL WATER QUALITY AREAS.

**CONSTRUCTION SEQUENCING:**

1. CONSTRUCT STORMWATER RUNOFF DIVERSIONS.
2. EXCAVATE GIP AREAS.
3. SCARIFY SUBGRADE BY RIPPING THE BOTTOM SOILS TO A DEPTH OF 12" PRIOR TO STONE PLACEMENT.
4. SCHEDULE GIP INSPECTION WITH CITY STORMWATER INSPECTOR AT (615) 791-3218.
5. INSTALL STONE SUBBASE AND UNDERDRAINS. CONNECT UNDERDRAIN TO OUTLET STRUCTURE.
6. SCHEDULE GIP INSPECTION WITH CITY STORMWATER INSPECTOR AT (615) 791-3218.
7. INSTALL ADDITIONAL STONE ON AND FLAG THE UNDERDRAIN (3' EACH SIDE).
8. A SMALL SKID STEER LOADER MAY BE USED FOR PLACEMENT OF ADDITIONAL SECTIONS AVOIDING THE UNDERDRAIN PIPE INSTALLATIONS.
9. DELIVER AND STORE SOIL MEDIA ON PLASTIC SHEETING WITH APPROPRIATE EROSION CONTROL MEASURES.
10. SCHEDULE GIP INSPECTION WITH CITY STORMWATER INSPECTOR AT (615) 791-3218.
11. ALLOW 48 HOURS SETTLEMENT. DO NOT COMPACT WITH EQUIPMENT.
12. ADD ADDITIONAL MEDIA AS NEEDED TO ACHIEVE THE DESIGN ELEVATIONS.
13. INSTALL VEGETATION, AND WATER ACCORDINGLY. PERMANENT IRRIGATION IS PROHIBITED IN GIP.
14. INSTALL SPECIFIED GROUNDCOVER.
15. FLAG LIMITS OF GIP FOR SURVEY LOCATE AND SHOW ON AS-BUILT PLANS.

N.T.S.

<p>BIORETENTION LEVEL 2</p> <p>TITLE</p>	 <p>CITY OF FRANKLIN ENGINEERING 109 THIRD AVE SOUTH FRANKLIN, TN 37064</p>
<p>GIP-01 (02)</p> <p>DWG.NO.</p>	<p>DIRECTOR OF ENGINEERING</p>  <p>7/22/19</p> <p>DATE</p>
<p>07/22/2019</p> <p>EFFECTIVE DATE</p>	<p>STORMWATER COORDINATOR</p>  <p>7/22/19</p> <p>DATE</p>