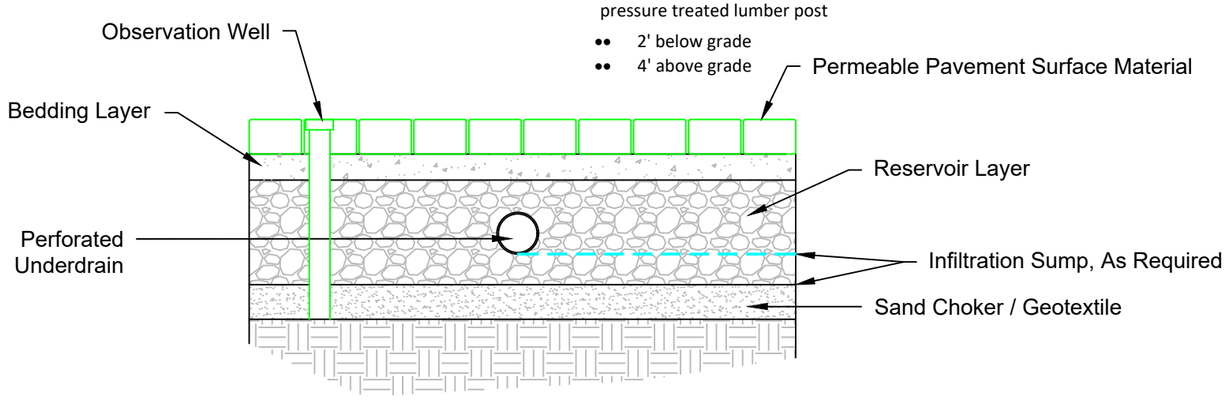
PLAN AND PROFILE VIEW

GIP - 03A
PERMEABLE PAVERS WITH UNDERDRAIN

SIGN DESCRIPTION:
- 12" x 18" white 0.063 aluminum
- Single sided
- Sign to be mounted to post at top and bottom with stainless steel hardware

POST DESCRIPTION:
- 6' galvanized U-channel or 4" x 4" pressure treated lumber post
  - 2' below grade
  - 4' above grade

SAMPLE SCM SIGN (NTS)



Detail Notes:

- Vehicular traffic shall be prohibited on the pervious pavement until the site is stable to prevent sediment from being deposited by vehicles.
- Contractor, Engineer, or Owners Representative shall notify MWS NPDES Staff at least 48 hours prior to the installation of the pervious layer to observe the sub-base material.
- SCM treatment device sign required. Contractor/Developer to coordinate with NPDES inspector.

Permeable Paver Number :		
	Design	As-Built
Treatment Volume (Tv), CF		
Surface Area, SF		
Overflow (TOC) Elevation*		
Reservoir Depth		
Underdrain Invert Depth*		
Outlet Elevation*		
Sump Depth		
* N/A if not required		
All elevations shall be NAVD88		

Permeable Pavers With Underdrain Material Specifications

Material	Specifications	Notes
Permeable Pavement System	*Permeable Interlocking Concrete Pavers* [1] *Pervious Concrete* [2] *Reinforced Turf Systems* [3] *Reinforced Gravel Systems* [4]	[1]*ASTM C936* [2]*ASTM C1688/C1688M & ACI 522* [3]*ASTM D638* [4]*ASTM D638*
Bedding Layer *	#8 or #89 clean washed stone	Meet TDOT Construction Specifications.
Reservoir Layer *	#57 or #2 clean washed stone	Meet TDOT Construction Specifications.
Underdrain *	4- or 6-inch dual wall HDPE or SDR 35 PVC pipe with 3/8-inch perforations at 6 inches on center.	*AASHTO M 252* Place perforated pipe at base of reservoir layer at the lower end of the paver cell.
Cleanout	6-inch SDR 35 PVC pipe with vented cap	Use traffic rated casting where required. Provide cleanouts at the upper end of the underdrain.
Observation Well	6-inch SDR 35 PVC pipe with vented cap and anchor plate	Use traffic rated casting where required. Number of wells equals the number of test pits required for infiltration testing (see Appendix 1-A)
Sand Choker/ * Geotextile	*2- to 4-inch layer of coarse sand* [1] Filter fabric (125 gpm/sq.ft.) [2]	[1]*Meet TDOT Construction Specifications* [2]AASHTO M288-06, ASTM D4491 & D4751
Impermeable Liner (if needed)	Use a thirty mil (minimum) PVC Geomembrane liner covered by 8 to 12 oz./sq. yd.[2] non-woven geotextile.	

*Item receipts may be required to be included with as-built submittal.