

**NOTES:**

1. WRAP AT TOP OF TRENCH SHOULD BE OVERLAPPED BY 12" OR WIDTH OF TRENCH (WHICHEVER IS LESS)
2. PIPE MUST BE PERFORATED WITH HOLES POINTING DOWNWARD
3. TO PREVENT SURFACE RUNOFF FROM ENTERING THE UNDERDRAIN, A MIN 8" OF FILL SHOULD COVER THE GEOTEXTILE

4. SELECT FILTRATION GEOTEXTILE BASED ON GEOTEXTILE FILTER DESIGN FOR PROJECT CONDITIONS OR FOLLOWING AASHTO M288 FOR SUBSURFACE DRAINAGE APPLICATIONS. DEFAULT SELECTIONS PER M288 ARE:

**CLASS 1:**

NONWOVEN GEOTEXTILE (>50% ELONGATION): MIRAFI 180N

WOVEN GEOTEXTILE (<50% ELONGATION):

MIRAFI FW404 (<15% FINES)

**CLASS 2:**

NONWOVEN GEOTEXTILE (>50% ELONGATION): MIRAFI 160N

WOVEN GEOTEXTILE (<50% ELONGATION):

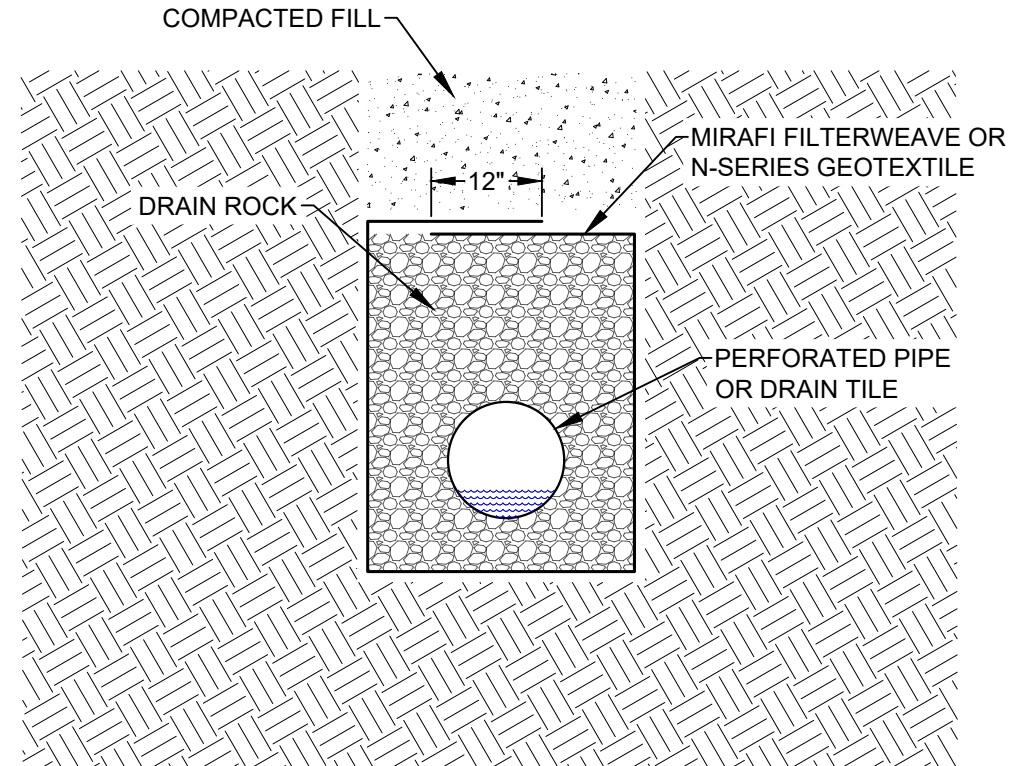
MIRAFI FW404 (<15% FINES) OR FW700 (>15% FINES)

**CLASS 3:**

NONWOVEN GEOTEXTILE (>50% ELONGATION): MIRAFI 140N

WOVEN GEOTEXTILE (<50% ELONGATION):

MIRAFI FW402 (<15% FINES) OR FW700 (>15% FINES)



**TYPICAL FRENCH DRAIN/UNDERDRAIN**  
NOT TO SCALE



**SOLMAX**

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NOTE: THE STANDARD DETAILS ILLUSTRATED IN THESE DRAWINGS ARE FOR INFORMATION AND EVALUATION PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. PROJECT SPECIFIC CALCULATIONS, SHOP DRAWINGS AND SPECIFICATIONS, SIGNED AND SEALED BY A REGISTERED LICENSED ENGINEER, ARE REQUIRED FOR CONSTRUCTION.

**FRENCH DRAIN**

DATE:  
03/16/2023

STANDARD DETAIL  
NOT FOR CONSTRUCTION

SCALE:  
NTS

SHEET  
1

OF  
1