

Low Impact Development Drainage Infrastructure in the Public Domain

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Planning

Development policies and practices that encourage Low Impact Development









Implementation

At various scales – residential development, commercial development & capital projects



Active operation & maintenance program to maintain system function









Engagement

Buy in from community stakeholders



Flood Control

Minimizing downstream effects of stormwater runoff



Reduce Hardscapes

Through compact design and reduced impervious surfaces



Water Quality

Reducing pollutants loads on our waterbodies



Functional

Sustainable stormwater management



Natural Landscape

Encouraging vegetation preservation



Cost-Effective

Flexibility with availability of low-cost practices



Preserve Open Space

Maintain valuable features and function via conservation



Character

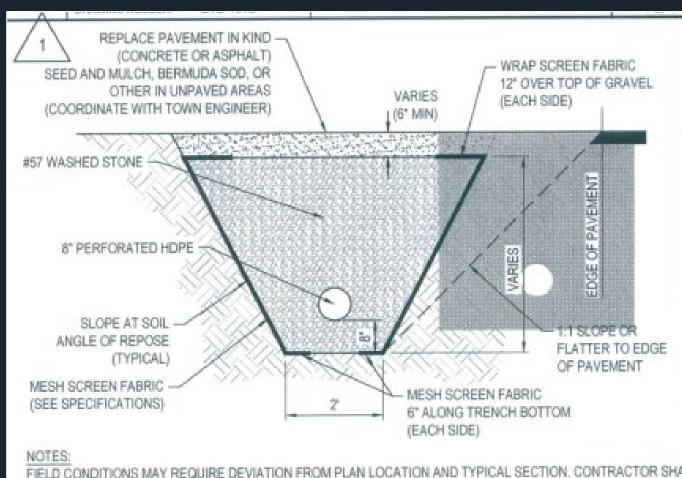
Distinctive and attractive community landscapes











FIELD CONDITIONS MAY REQUIRE DEVIATION FROM PLAN LOCATION AND TYPICAL SECTION. CONTRACTOR SHALL COORDINATE ALL DEVIATIONS WITH THE TOWN AND THE ENGINEER.

ALL STONE BACKFILL USED IN INFILTRATION TRENCHES SHALL BE CLEAN #57 WASHED STONE. THE CONTRACT SHALL PROVIDE SAMPLES OF THE MATERIAL FOR THE OWNER'S INSPECTION PRIOR TO INSTALLATION.

MESH SCREEN SHALL BE HIGH TENSILE STRENGTH ANTI CORROSIVE PLAIN WOVEN SCREEN WITH UNIFORM OPENINGS OF AT LEAST 1/16" BUT NOT MORE THAN 1/8" AND A TOTAL OPEN AREA OF AT LEAST 50%. CONTRACT MAY SUBMIT ALTERNATE MATERIAL FOR NCDOT AND TOWN APPROVAL.

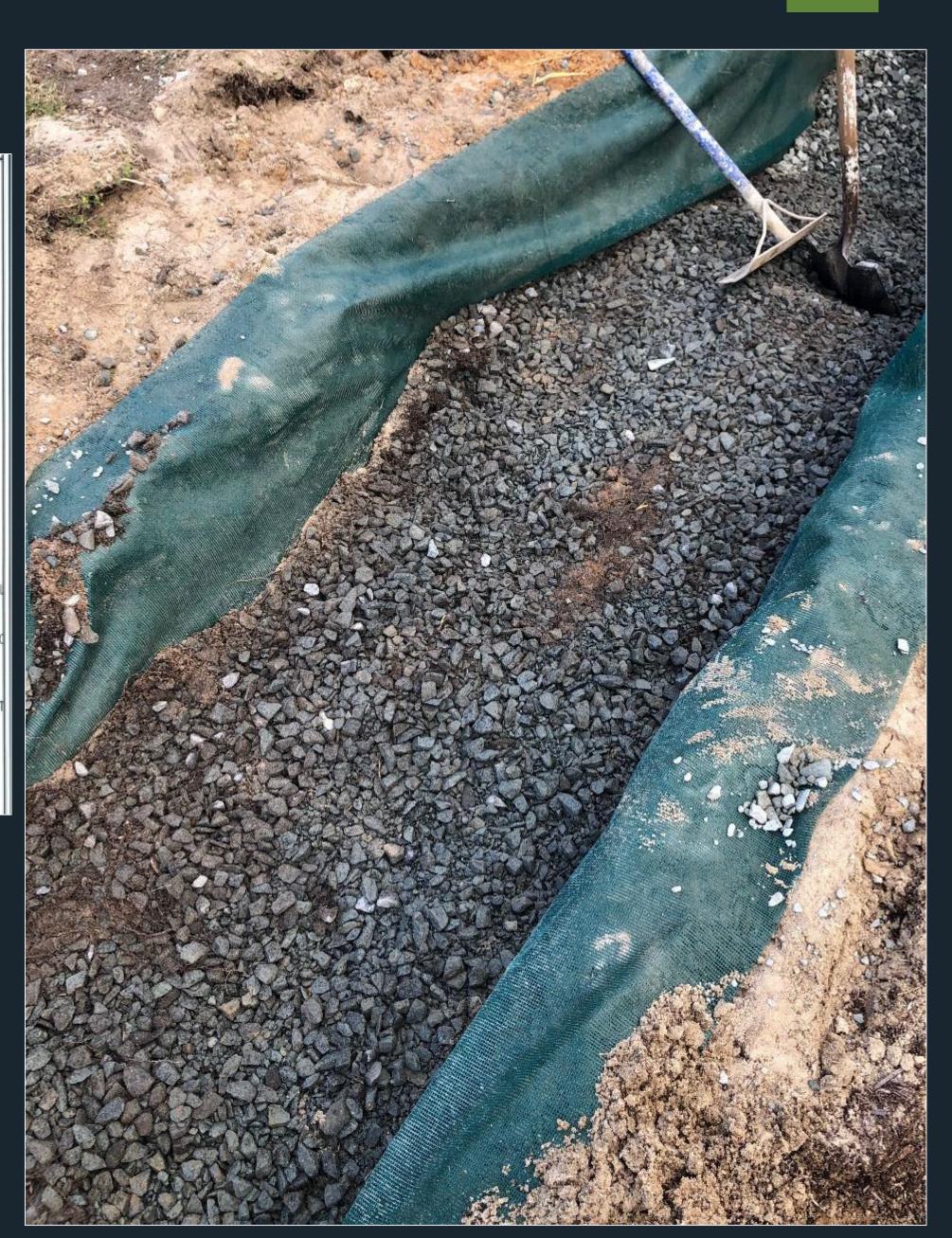
INFILTRATION TRENCH DETAIL
NOT TO SCALE



Infiltration

rench

"French Drain"



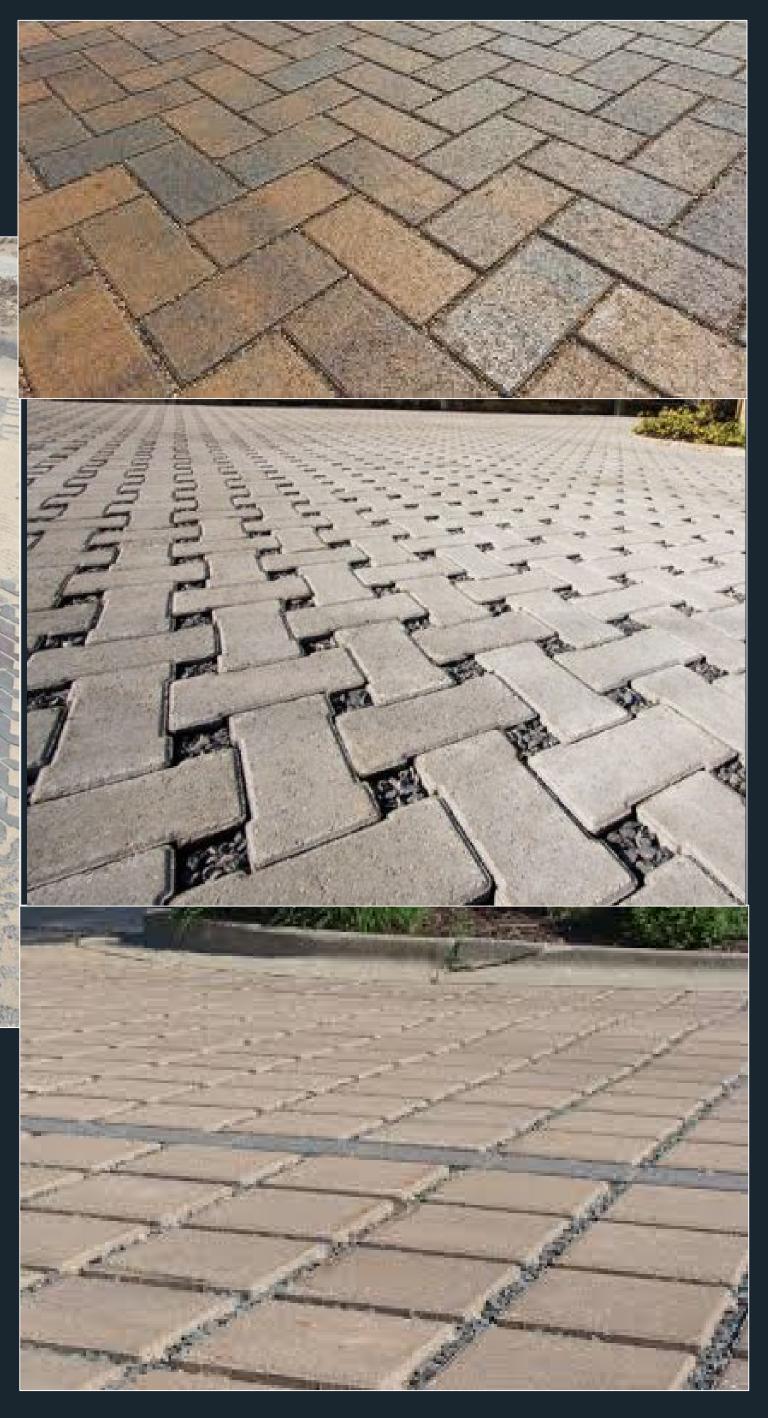




Permeable

Pavement

Concrete Grid Pavers – "Turfstone"







Groundwater

Management











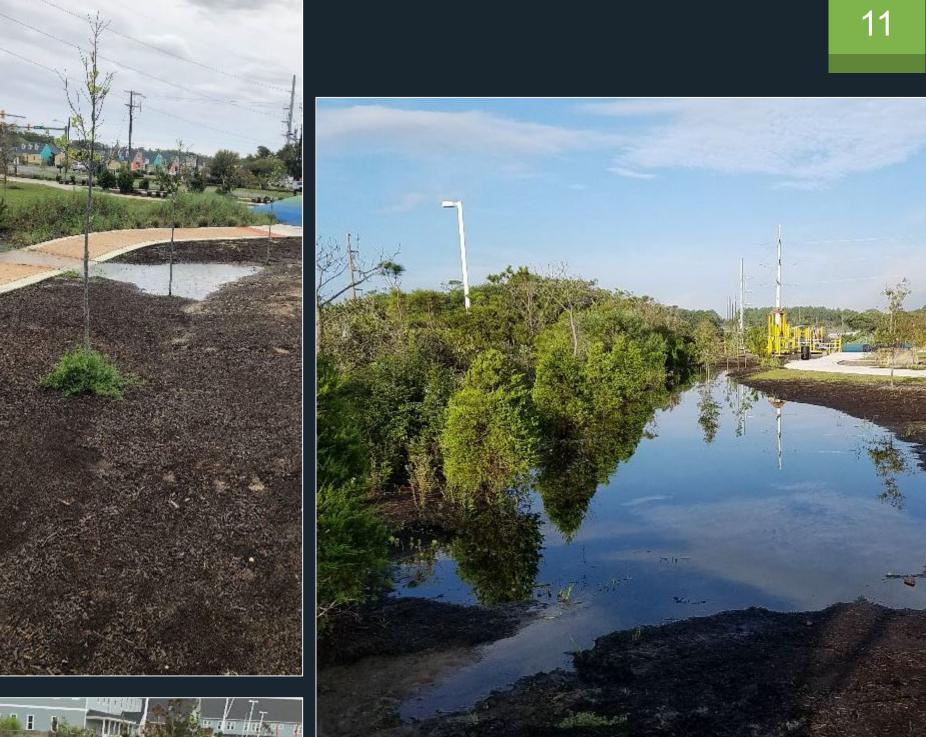


Stormwater

Management













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