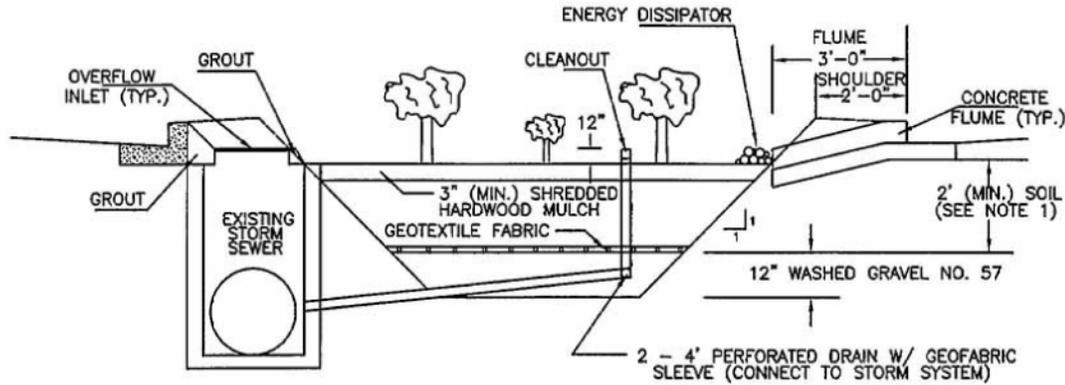




**ENGINEERING DEPARTMENT**  
**STANDARD DETAILS**



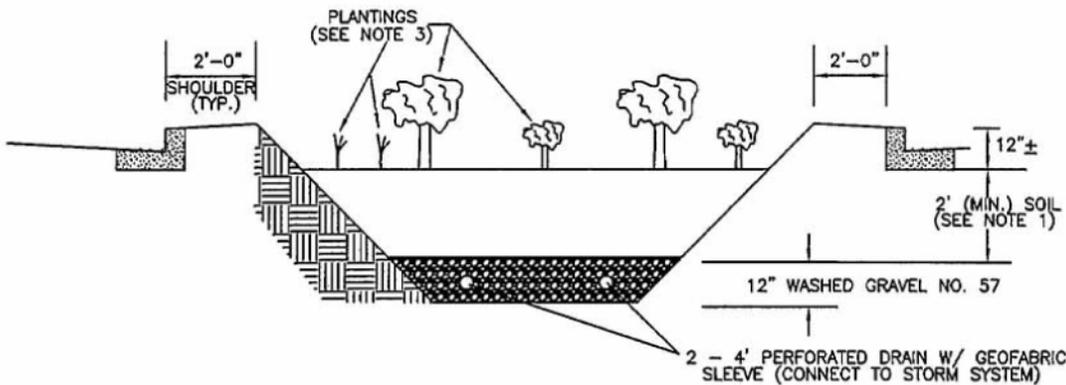
TYPICAL CROSS SECTION DETAIL THROUGH FLUME (VARIES)

NOTE 1: SOIL SHALL BE SANDY LOAM OR LOAMY SAND, APPROVED BY THE ENGINEERING DEPT., WITH PERMEABILITY RANGES OF 1 IN./HR. TO 6 IN./HR. MINIMUM DEPTH IS 2'.

NOTE 2: FOR ALL DESIGN REQUIREMENTS, REFER TO THE URBAN WATERWAYS FACT SHEET #3: "DESIGNING RAIN GARDENS/BIO-RETENTION AREAS", (LATEST) BY BILL HUNT AND NANCY WHITE AND THE NCDENR STORMWATER BEST MANAGEMENT PRACTICES MANUAL (LATEST PUBLICATION).

NOTE 3: PLANTING LIST:  
SEE THE REFERENCED DESIGN MANUAL, FACT SHEET OR THE STORMWATER BEST MANAGEMENT PRACTICES (LATEST) PUBLICATION OF THE NCDENR DWQ. FOR A FULL LISTING.

NOTE 4: ALL BIO-RETENTION AREAS SHALL INCLUDE OPERATIONS AND MAINTENANCE GUIDELINES AND SHALL BE LOCATED WITHIN A "RESERVED STORM DRAINAGEWAY" EASEMENT.



TYPICAL CROSS SECTION DETAIL THROUGH BIO-RETENTION AREA (VARIES)

NOTE: DRAWING NOT TO SCALE

<b>TITLE:</b>	<b>REVISIONS</b>		<b>DET.NO.</b>
<b>BIO-RETENTION AREA</b>	5/01 12/01	JH JH	<b>SD-10</b>