



BOTTOM OF THE FACILITY: ELEV. _____
 SEASONALLY HIGH GROUNDWATER: ELEV. _____
 SEPARATION: FEET _____

SEASONALLY HIGH
 GROUNDWATER LEVEL
 (____ FT, NAVD 88)

VOLUME TYPE	SURFACE AREA	DEPTH	POROSITY	STORAGE VOLUME	VOLUME PROVIDED
V_A : SURFACE STORAGE			N/A	$1.00 \times V_A$	
V_B : SOIL MEDIA MIX			0.25	$0.50 \times 0.25 \times V_B$	
V_C : COARSE AGGREGATE (ABOVE INVERT)			0.36	$0.50 \times 0.36 \times V_C$	
V_D : COARSE AGGREGATE (BELOW INVERT)			0.36	$0.36 \times V_D$	
TOTAL					

- NOTES:
- OFFSET A MINIMUM OF 10 FEET FROM FOUNDATIONS UNLESS WATERPROOFED, 20 FEET FROM SANITARY SEWERS, 20 FEET FROM ROADWAY GRAVEL SHOULDER AND 100 FEET FROM POTABLE WATER WELLS OR SEPTIC TANKS.
 - AVOID INSTALLATION ON SLOPES GREATER THAN 3.00%. AVOID COMPACTING NATIVE SOILS. SCARIFY ANY COMPACTED SOIL.
 - WETLAND LENGTH TO WIDTH RATIO SHOULD RANGE FROM 2 TO 3.
 - GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS OF IJM MATERIAL SPECIFICATION 592. FOR WOVEN: APPARENT OPENING SIZE OF 0.55 MM (TABLE 1, CLASS I). FOR NON WOVEN: APPARENT OPENING SIZE OF 0.30 MM (TABLE 2, CLASS II).
 - STONE STORAGE OPTIONS ARE IDOT CA-1, CA-3, CA-7, OR APPROVED ALTERNATE. NO RECYCLED MATERIALS.
 - MINIMUM DISTANCE OF 2 FEET (3.5 FEET IN COMBINED SEWER AREAS) BETWEEN BOTTOM OF BMP AND SEASONALLY HIGH GROUNDWATER LEVEL.
 - UNDERDRAINS ARE REQUIRED IN TYPICAL CLAYEY SOILS WHERE INFILTRATION RATES ARE LESS THAN 0.5 INCH/HOUR. MAXIMUM OF 1 UNDERDRAIN PER 30 FEET. PROVIDE A SOIL REPORT DOCUMENTING NATIVE INFILTRATION RATE TO FOREGO UNDERDRAINS.
 - MINIMUM UNDERDRAIN BEDDING OF TWO INCHES, MAXIMUM OF 12 INCHES.
 - FOLLOW THE REQUIRED PRETREATMENT MEASURES LISTED ON THE VOLUME CONTROL PRETREATMENT MEASURES DETAIL.

NOT TO SCALE



TECHNICAL GUIDANCE MANUAL
 CONSTRUCTED WETLAND DETAIL

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