

VOLUME TIPE	SURFACE AREA	DEPTH	PURUSITY	STORAGE VOLUME	VOLUME PROVIDED
V _A : Surface storage			N/A	1.00 X V _A	
V_{B} : Soil media MIX			0.25	0.50 X 0.25 X V _B	
$V_{C}\:$: Coarse aggregate (above invert)			0.36	0.50 X 0.36 X V _C	
V_{D} : Coarse aggregate (below invert)			0.36	0.36 X V _D	

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 IUM 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, DISTRICT VULCAN MIX, 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

TOTAL

TECHNICAL GUIDANCE MANUAL	10/11/18
CONSTRUCTED WETLAND DETAIL	STD. DWG. NO.3
CONSTRUCTED WETEAND DETAIL	PAGE NO. 4