

SUBSURFACE UNDERDRAINED SAND FILTER

INSPECTION PORT TO BE ATTACHED THROUGH KNOCK-OUT

020202020202020202

- EMBED 2" PVC 6"

UNDERDRAINED SAND FILTER ELEVATION VIEW

INTO FILTER SAND

(MDOT 703.22 TYPE C)

LOCATED AT CENTER OF CHAMBERS

6" SLOTTED PVC

BOTTOM OF CHAMBERS

TRANSITION GRAVEL

 $\overline{\langle}$ (MDOT 703.22 TYPE B)

グINV. VARIES

FILTER SAND

(SEE NOTE 5)

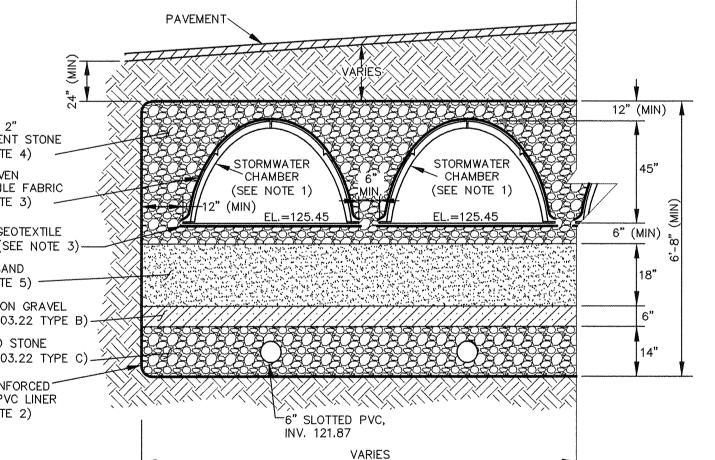
CRUSHED STONE -

SPILL PREVENTION: CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS ON-SITE, INCLUDING STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER, AND APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING AND IMPLEMENTATION.

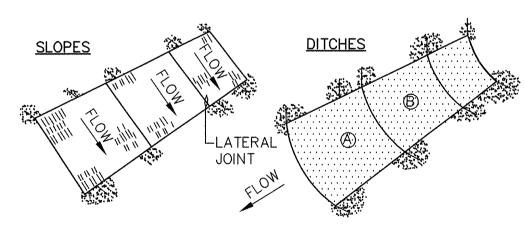
WOVEN GEOTEXTILE

FABRIC (SEE NOTE 3)

- GROUNDWATER PROTECTION: DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS, ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS. AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS.
- FUGITIVE SEDIMENT AND DUST: ACTIONS MUST BE TAKEN TO INSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL.
- DEBRIS AND OTHER MATERIALS: LITTER, CONSTRUCTION DEBRIS, AND CHEMICALS EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- TRENCH DEWATERING: TRENCH DEWATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFERDAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES, THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER MUST BE REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, AND MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED.



UNDERDRAINED SAND FILTER SECTION



6' PRECAST CONCRETE -

PANEL SET IN GROOVES

RIM EL.=133.00

INV. OUT =121.00

NON-SHRINK GROUT, TYP.

-6" OF 3/4" CRUSHED

WITH ALL CONCRETE WEIRS

WEIR PANEL

MANHOLE WITH WEIR

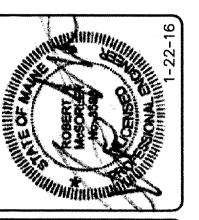
PRECAST IN WALLS.

PROVIDE WATERTIGHT

1. BURY THE TOP END OF THE MESH MATERIAL IN A 6" TRENCH AND BACKFILL AND TAMP TRENCHING SECURE END WITH STAPLES AT

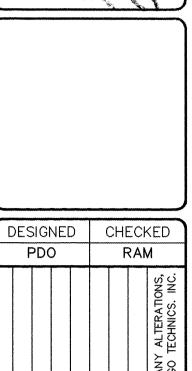
- 6" SPACING, 4" DOWN FROM EXPOSED END 2. FLOW DIRECTION JOINTS TO HAVE UPPER END OF LOWER STRIP BURIED WITH UPPER LAYERS OVERLAPPED 4" AND STAPLED. OVERLAP B OVER A.
- 3. LATERAL JOINTS TO HAVE 4" OVERLAP OF
- STRIPS. STAPLE 18" ON CENTER. 4. STAPLE OUTSIDE LATERAL EDGE 2" ON
- CENTER. 5. WIRE STAPLES TO BE MIN OF #11 WIRE 6"
- LONG AND 1-1/2" WIDE. 6. USE NORTH AMERICAN GREEN DS 150 OR APPROVED EQUAL.

EROSION CONTROL BLANKET NOT TO SCALE



PLASTIC STEPS @ 12" O.C.

EL=129.87



PDO		RAM			
				1711	***************************************
	RAM 1-22-16 MODIFY STORMTECH CLEANOUT	RAM 11-20-15 RESPONSE TO CITY COMMENTS	8-15 PLAN SUBMISSION TO CITY OF PORTLAND	DATE: STATUS:	THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS,
	1-22-1	11-20-1	9-18-1	DATE:	SHALL NOT
	RAM	RAM	RAM 9-1	REV: BY:	THIS PLAN SHALL
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SCALE

PROJECT NO. NTS 14432