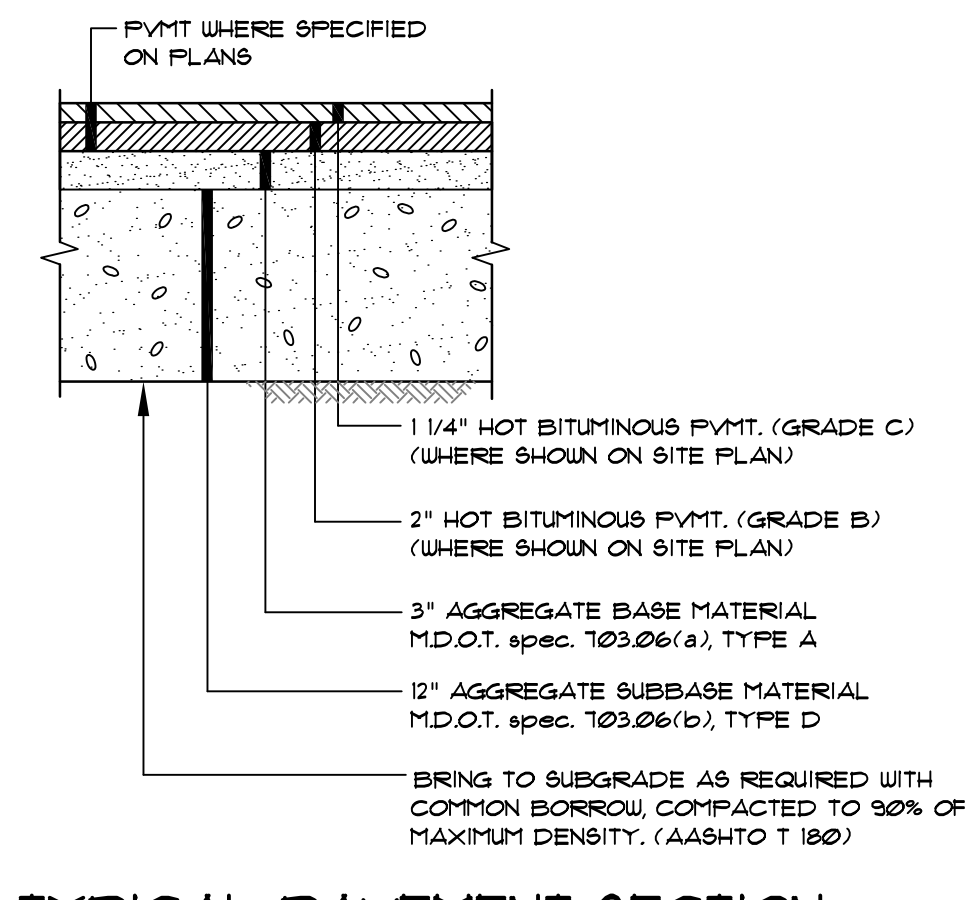
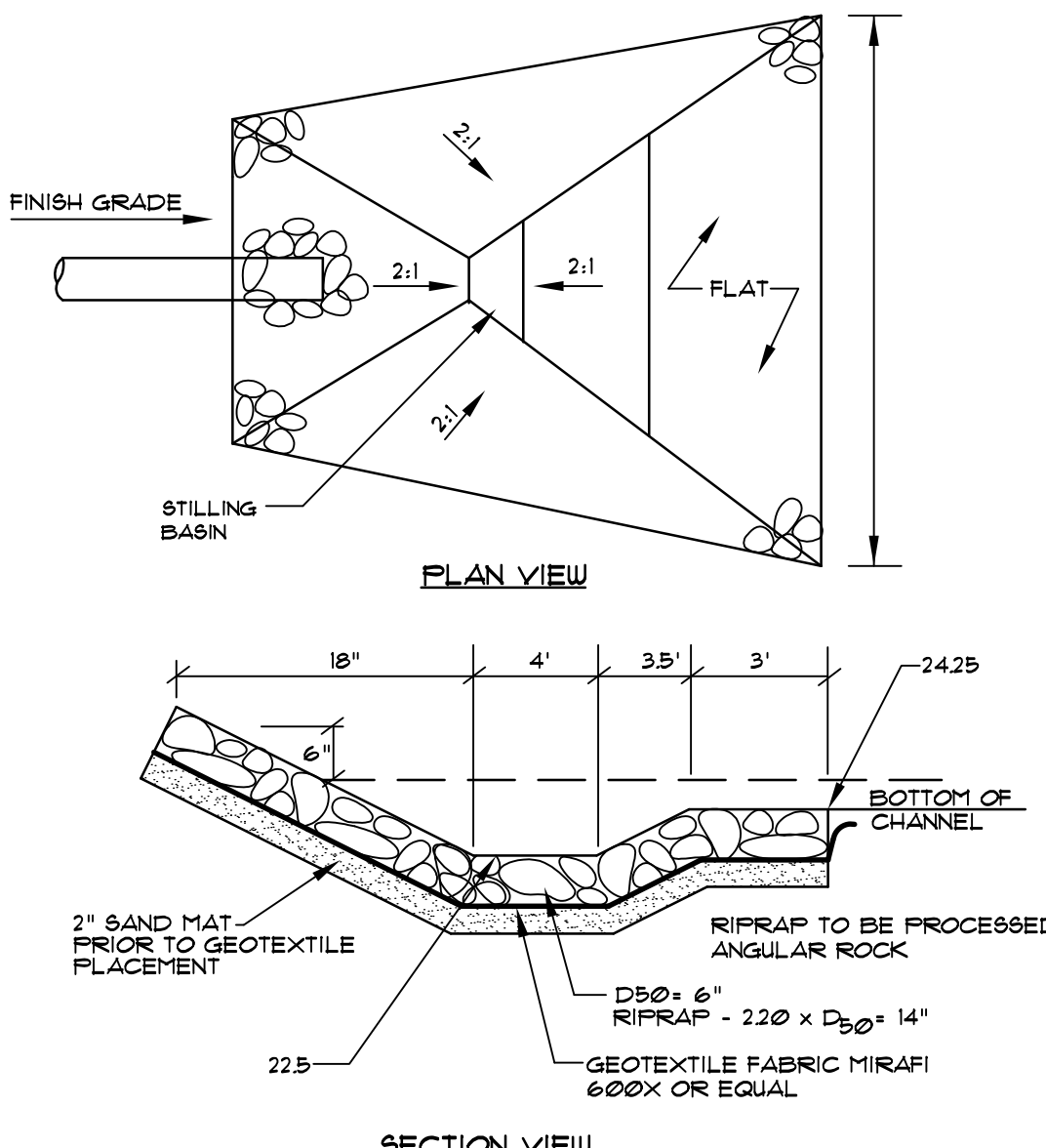


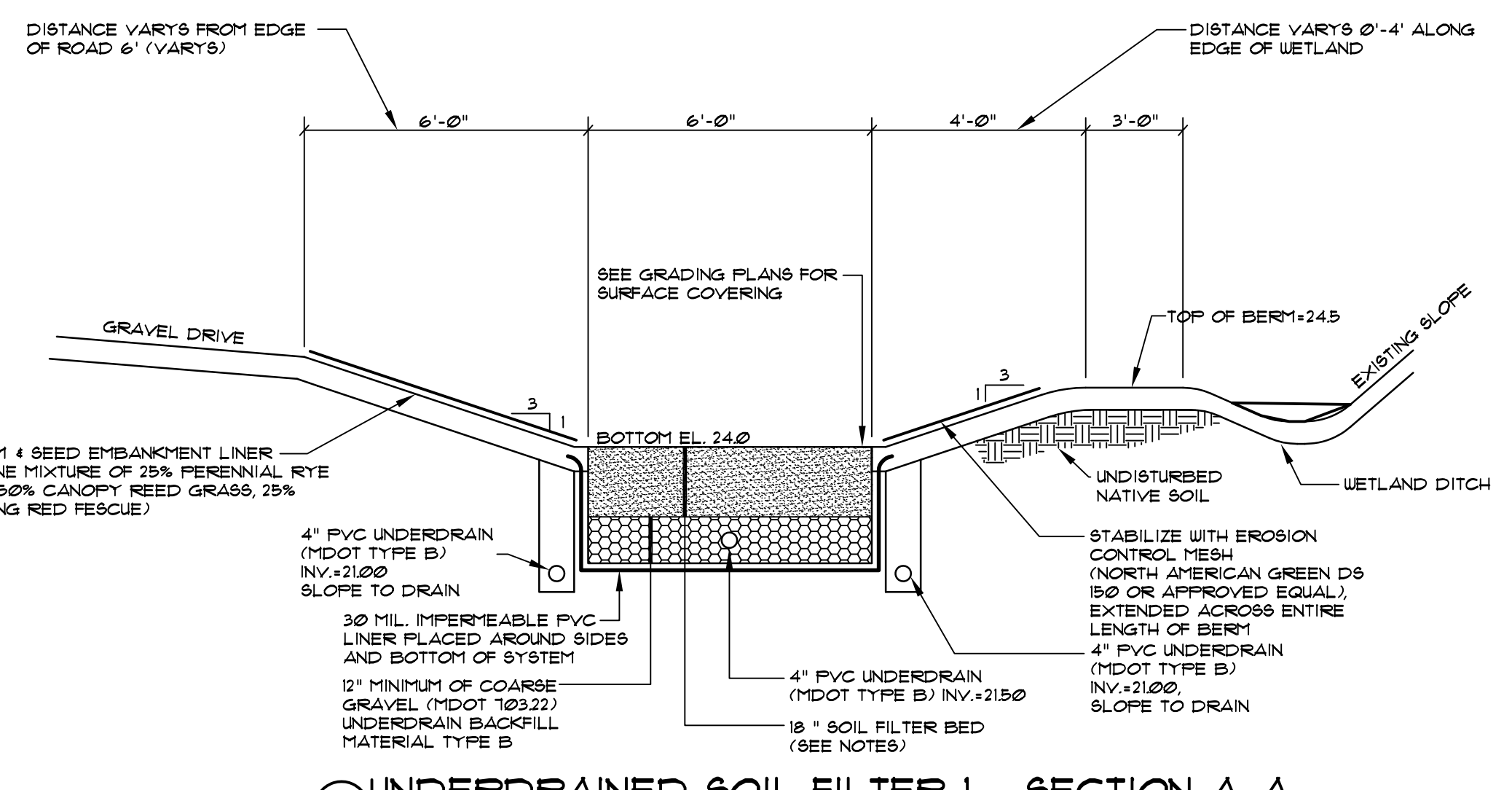
1 TYPICAL CONCRETE SLAB DETAIL  
NOT TO SCALE



2 TYPICAL PAVEMENT SECTION  
NOT TO SCALE



3 SEDIMENT FOREBAY



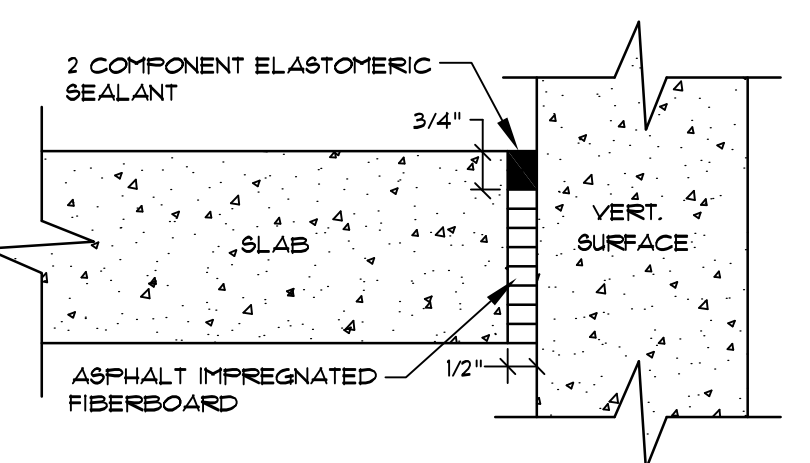
12 UNDERDRAINED SOIL FILTER 1 - SECTION A-A  
NOT TO SCALE

- UNDERDRAINED SOIL FILTER EMBANKMENT CONSTRUCTION NOTES:**
- CONSTRUCTION OF COMMON BORROW MATERIAL MEETING M.D.O.T. SPECIFICATIONS
  - PLACE BORROW MATERIAL IN 12" LIFTS COMPACTED TO 95% OF MAXIMUM
  - LOAM, SEED, AND STABILIZE IN ACCORDANCE WITH SEDIMENTATION AND EROSION CONTROL
  - THE EMBANKMENT LINER SHALL BE 6 INCHES OF LOAM MIXED WITH NATIVE SOILS WITH A SILT CONTENT GREATER THAN THAT OF THE SOIL FILTER BED, SUCH THAT THE PERMEABILITY OF THE EMBANKMENT LINER IS LESS THAN THE FILTER BED MATERIAL.

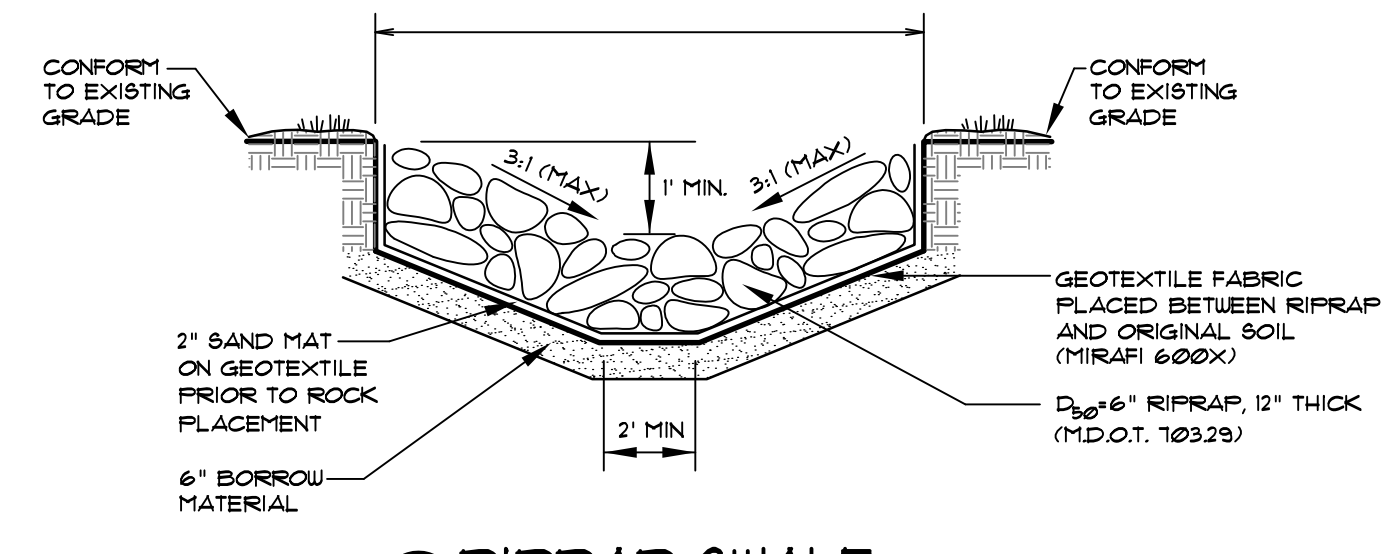
- UNDERDRAINED SOIL FILTER NOTES:**
- THE FILTER BED SHALL BE AT LEAST 18" DEEP ON TOP OF THE GRAVEL UNDERDRAIN PIPE BEDDING AND MUST EXTEND ACROSS THE BOTTOM OF THE ENTIRE FILTER AREA. THIS SOIL MIXTURE SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. NO OTHER MATERIALS OR SUBSTANCES THAT MAY BE HARMFUL TO PLANT GROWTH OR PROVE A HINDRANCE TO THE PLANTING OR MAINTENANCE OPERATIONS CAN BE MIXED WITHIN THE FILTER. DURING CONSTRUCTION, CARE SHOULD BE TAKEN TO AVOID COMPACTION OF BOTH THE GRAVEL AND SOIL FILTER.
  - SOIL MEDIA MUST CONSIST OF A SILTY SAND OR SOIL MIXTURE COMBINED WITH 20% TO 25% BY VOLUME OF A MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH (OR OTHER ORGANIC SOURCE APPROVED BY THE ENGINEER). THE RESULTANT MIXTURE MUST HAVE NO LESS THAN 8% PASSING THE 200 SIEVE.
  - UNDERDRAIN BEDDING MATERIAL MUST CONSIST OF GRANULAR MATERIAL MEETING THE M.D.O.T. SPECIFICATION 103.22 UNDERDRAIN TYPE B FOR UNDERDRAIN BACKFILL MATERIAL. COMPACTION OF THE SOIL BED MATERIAL SHALL BE AVOIDED. IF COMPACTION OCCURS, ROTOTILL AGAIN PRIOR TO SEEDING OR SODDING.

- CONSTRUCTION SEQUENCE:**
- CONSTRUCT UNDERDRAINED SOIL FILTER POND TO SUBGRADE (4 INCHES BELOW UNDERDRAIN INVERT) PRIOR TO INSTALLING SUBBASE GRAVEL IN THE AREAS TRIBUTARY TO THE FILTER POND.
  - INSTALL OUTLET CONTROL STRUCTURE AND OUTLET PIPES (IF REQUIRED) AND EMBANKMENTS PER POND DETAIL.
  - ONCE BASE PAVING IS COMPLETE AND SITE HAS BEEN LOAMED AND SEED, CLEAN OUT ALL ACCUMULATED SEDIMENT, AND COMPLETE INSTALLATION OF UNDERDRAIN, FILTER MEDIA, AND STABILIZE SIDE SLOPES WITH LOAM AND SEED.

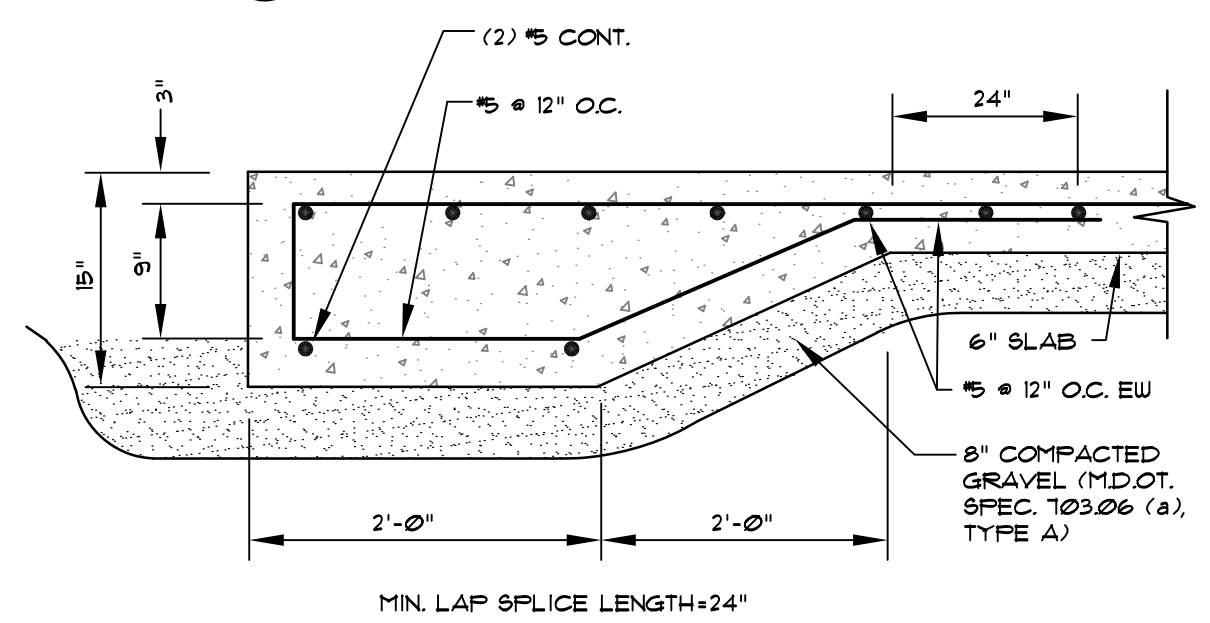
NOTE:  
PROVIDE CONTRACTION CONTROL JOINTS EVERY 6' IN EACH DIRECTION



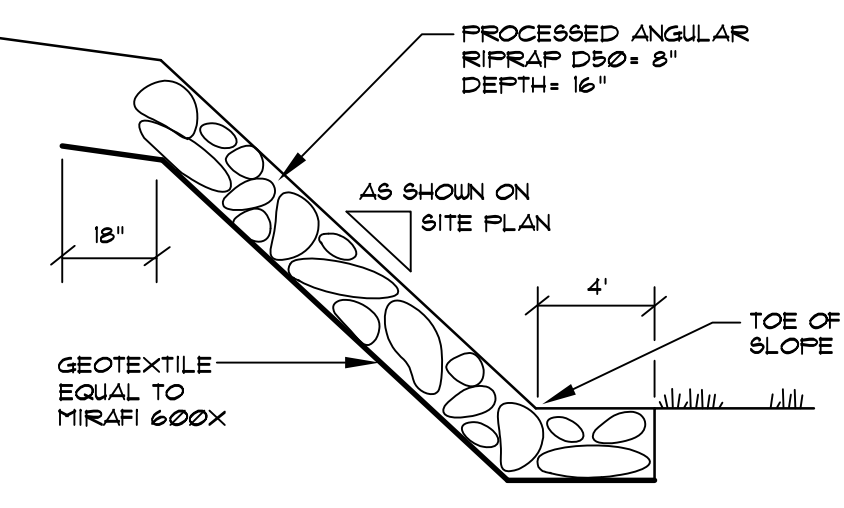
4 ISOLATION JOINT  
NOT TO SCALE



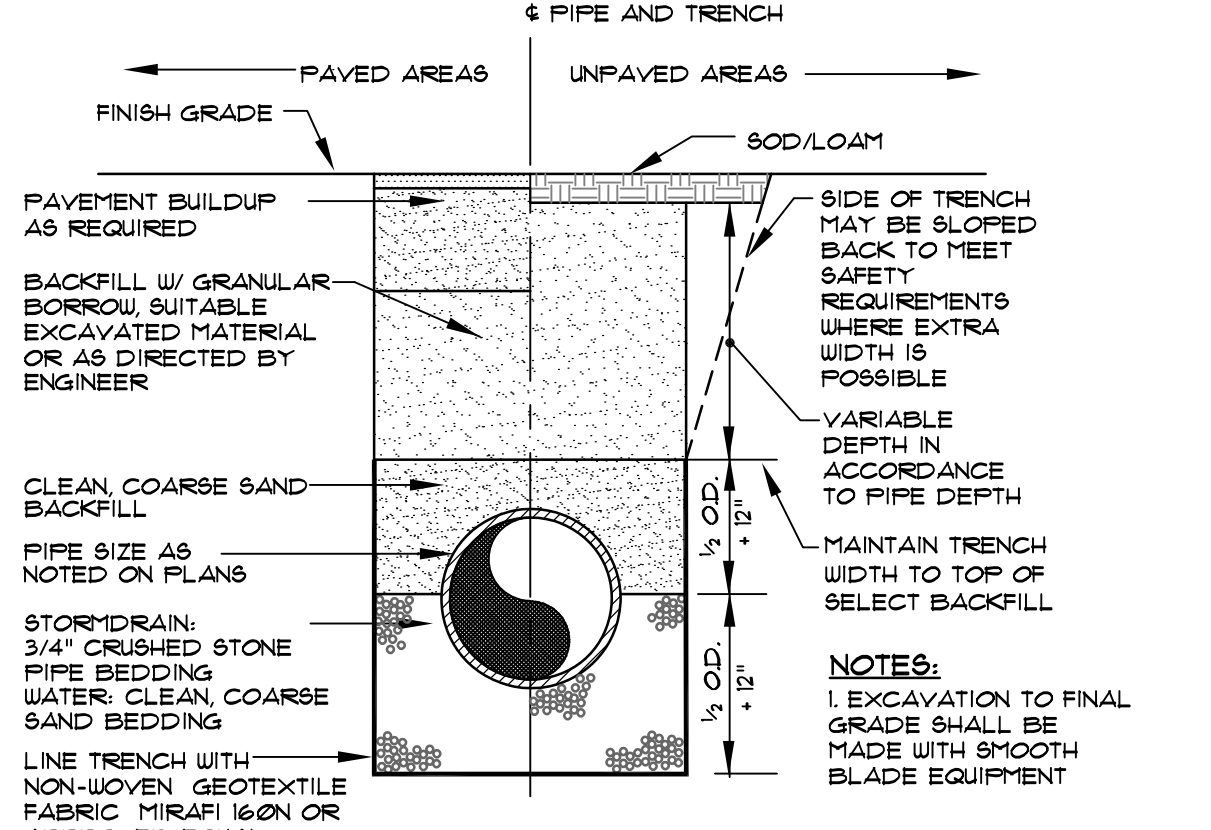
5 RIPRAP SWALE  
NOT TO SCALE



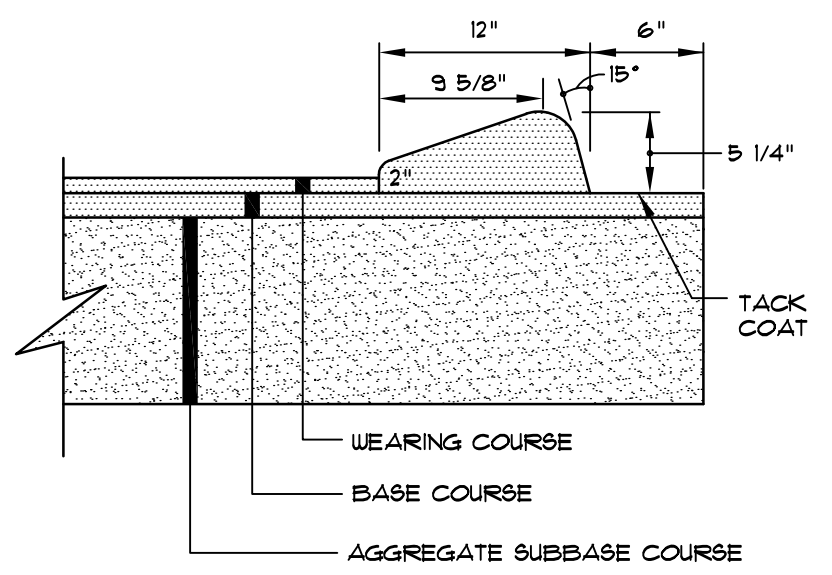
6 THICKENED SLAB DETAIL  
NOT TO SCALE



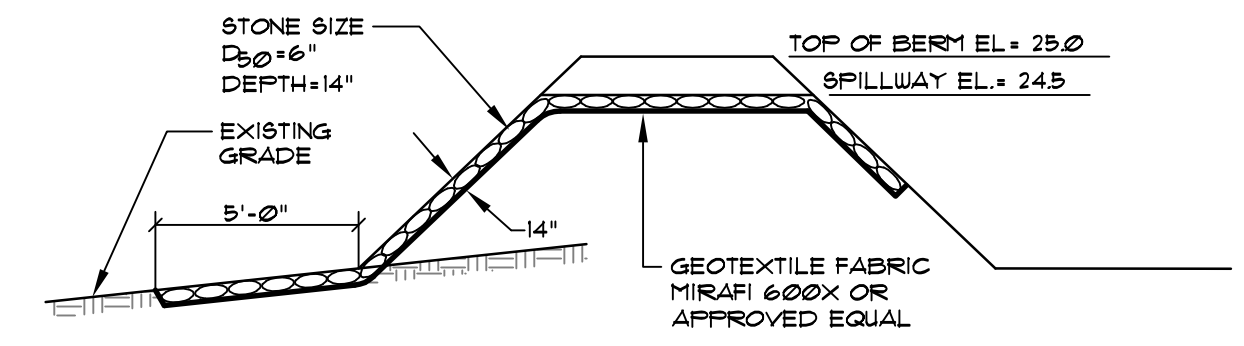
7 SIDE SLOPE RIPRAP  
NOT TO SCALE



8 TYPICAL TRENCH SECTION  
NOT TO SCALE

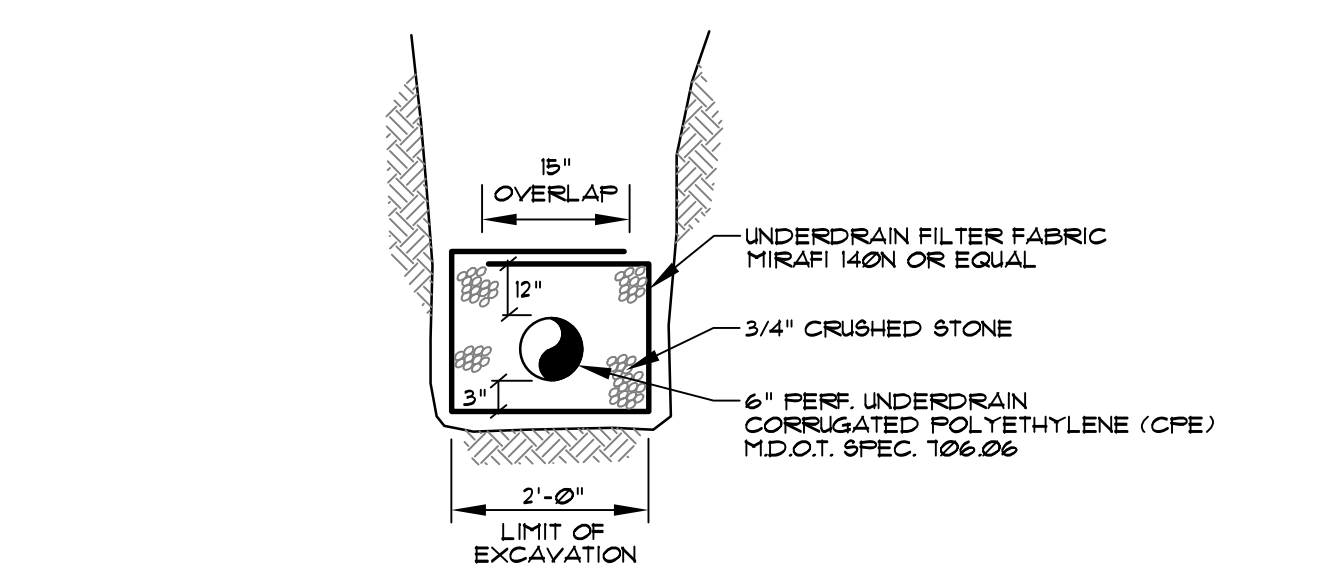


9 CAPE COD CURB  
NOT TO SCALE

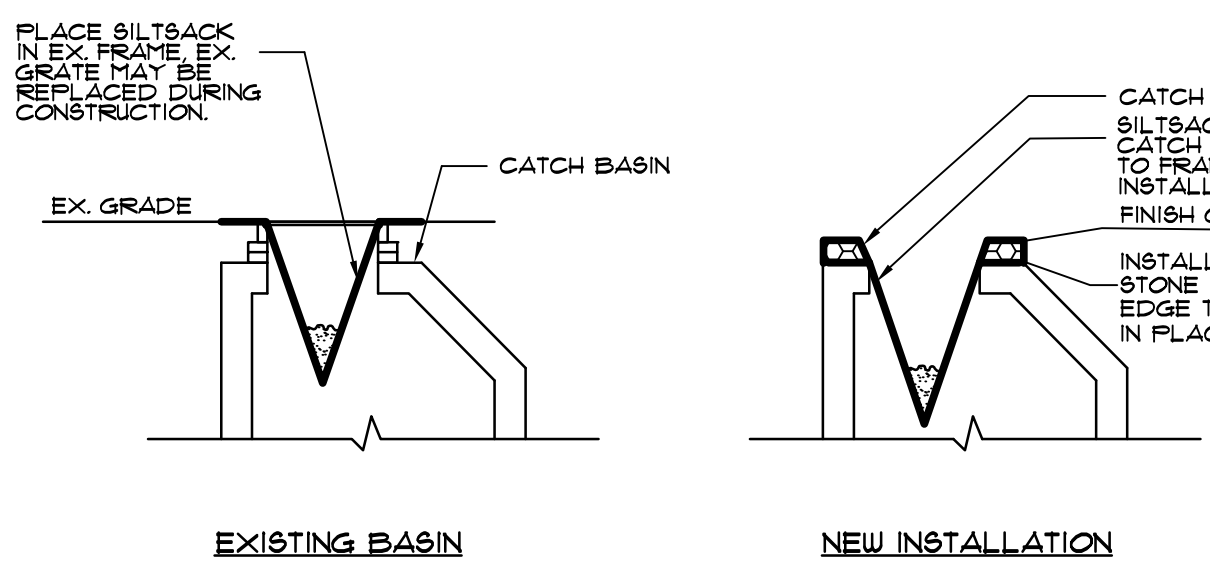


12 OVEFLOW SPILLWAY SECTION (FILTER POND 2)  
NOT TO SCALE

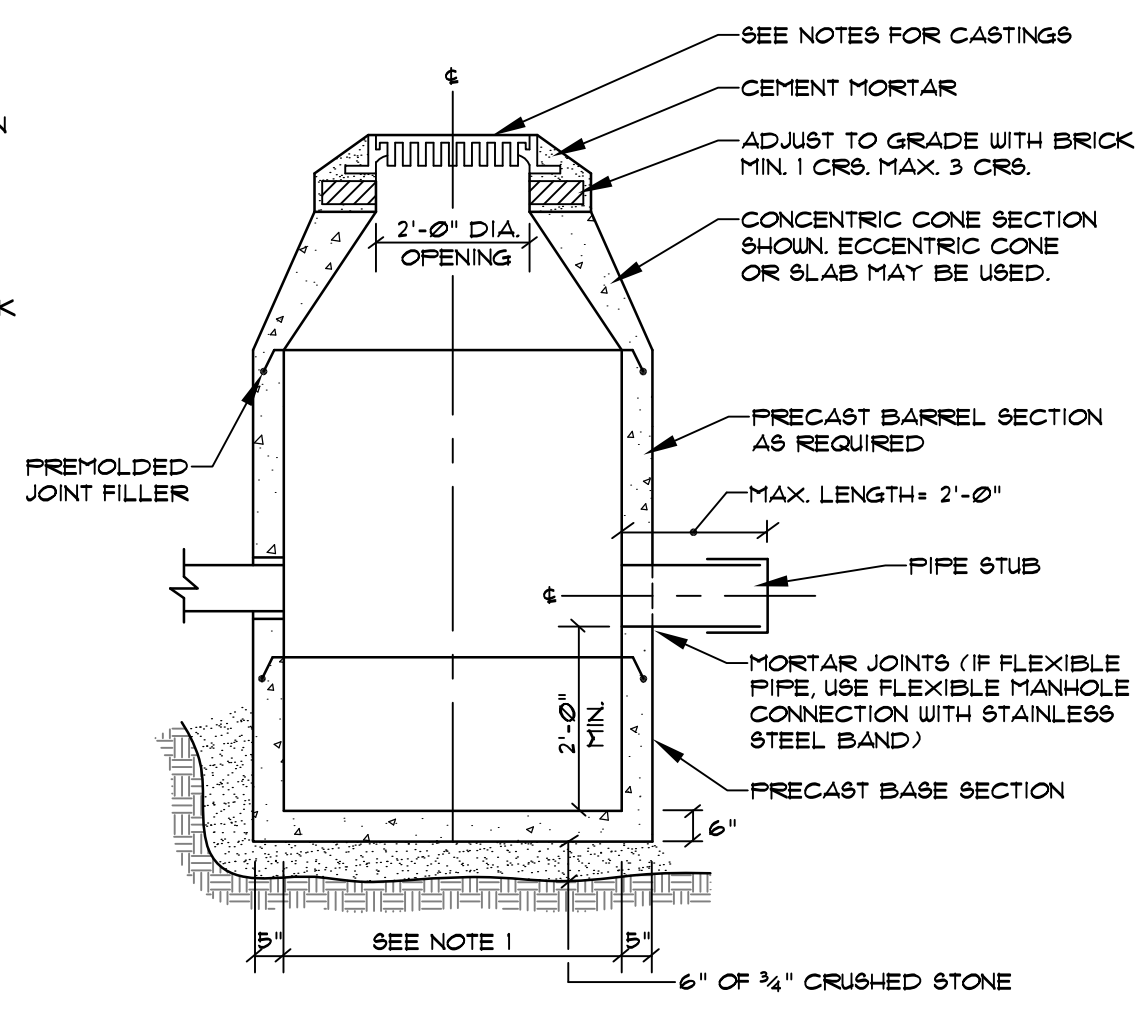
- EMBANKMENT CONSTRUCTION**
- CONSTRUCTION OF COMMON BORROW MATERIAL MEETING M.D.O.T. SPECIFICATION
  - PLACE BORROW MATERIAL IN 12" LIFTS COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
  - INSTALL RIPRAP AND EROSION CONTROL MESH WHERE SPECIFIED ON PLANS
  - LOAM, SEED, AND STABILIZE IN ACCORDANCE WITH SEDIMENTATION AND EROSION CONTROL PLAN.



11 UNDERDRAIN FOUNDATION DRAIN SECTION  
NOT TO SCALE

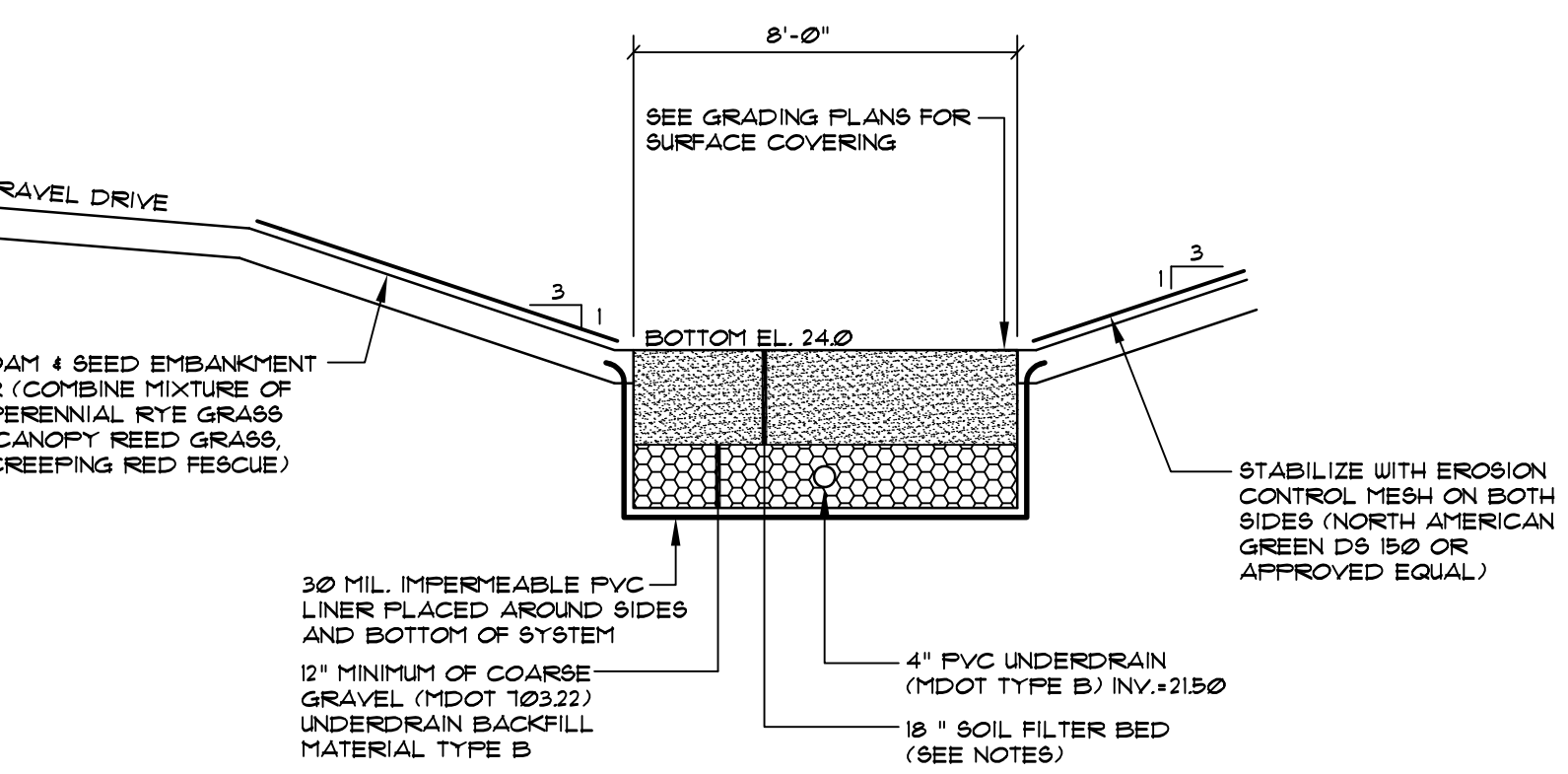


13 CATCH BASIN PROTECTION DETAIL (FOR PAVED AREAS)  
NOT TO SCALE

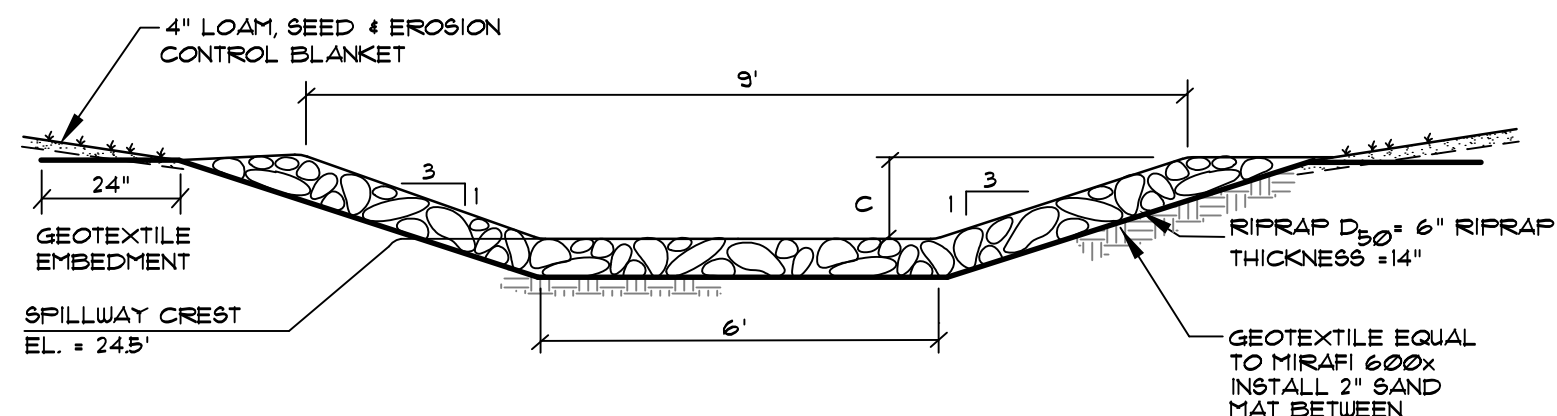


14 TYPICAL CATCH BASIN  
NOT TO SCALE

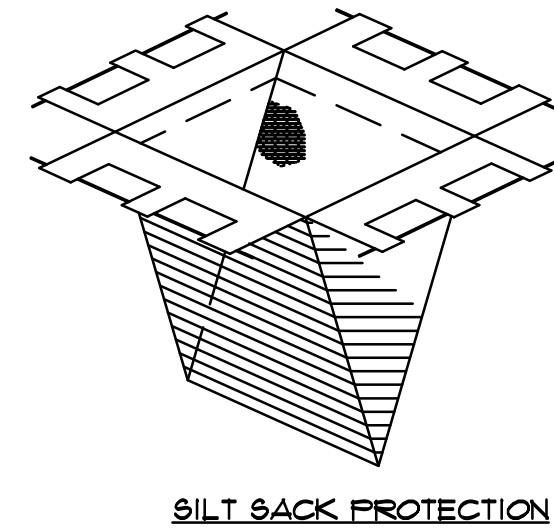
- NOTES:**
- 4'-0" I.D. TYPICAL. SOME STRUCTURES MAY REQUIRE LARGER I.D. PROVIDE SHOP DRAWINGS.
  - DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING.
  - PIPE SIZES AND INVERTS AS NOTED ON PLANS.
  - CATCH BASIN FRAME AND GRATE TO BE EAST JORDAN (EJCOR) 1205 FRAME & TYPE M COVER OR APPROVED EQUAL UNLESS NOTED OTHERWISE ON THE GRADING & UTILITY PLAN.



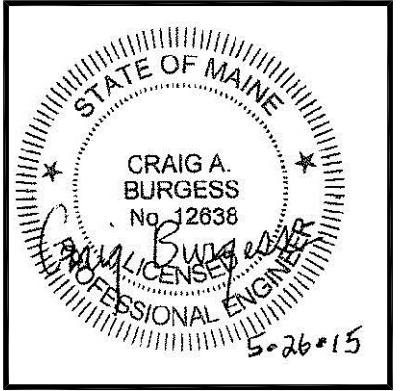
15 UNDERDRAINED SOIL FILTER 2 - SECTION B-B  
NOT TO SCALE



12 EMERGENCY SPILLWAY CROSS-SECTION (FILTER POND 2)  
NOT TO SCALE



- NOTES:**
- PRIOR TO FINAL GRADING AND PAVING OPERATIONS BEGIN A CATCH BASIN, INSERT EACH BASIN SERTBACK, AND REMOVE ANY REBAR OR REINFORCING BARS. THESE SHOULD BE REMOVED ONCE INSERTS ARE INSTALLED.



REV.	DATE	BY	DESCRIPTION
D	05-26-15	OAM	RESUBMITTED TO CITY
C	09-5-14	OAM	SUBMITTED TO DEP
B	08-18-14	OAM	ISSUED FOR PRELIMINARY REVIEW
A	02-05-14	OAM	ISSUED FOR CLIENT REVIEW

DATE: 5-26-15

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South Portland, ME 04106  
Tel: 207-282-2100

PROJECT NO. 09405  
FIELD BOOK DESIGN CHDK OAM  
DRAWN OAM JAR

DETAILS OF:  
**GREAT DIAMOND ISLAND TRANSFER AND RECYCLING FACILITY**  
GREAT DIAMOND ISLAND  
PORTLAND, MAINE  
FOR:  
**CITY OF PORTLAND**  
55 PORTLAND STREET  
PORTLAND, MAINE 04101

DATE	SCALE
01-29-14	NTS

SHEET 8 OF 9

094055.DWG, TAB: D3