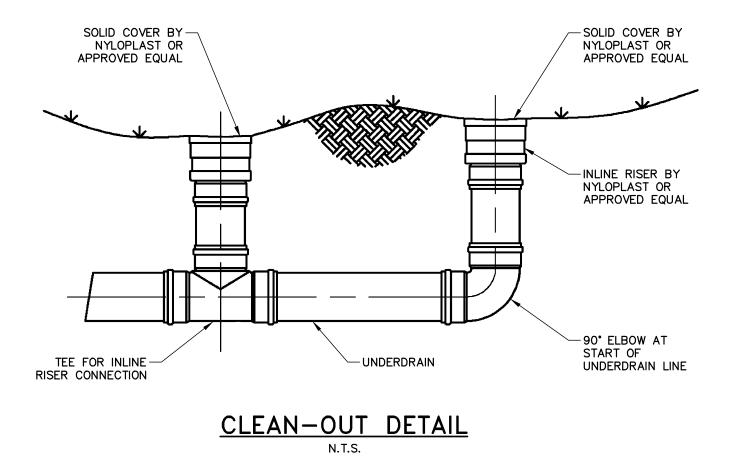


		GRA	AVEL V	VETLAN	ID SCH	HEDULE	.						
GRAVEL WETLAND NO.	Α	В	С	D	E	F	G	Н	1				
1	CONSTRUCTED												
2	FUTURE CONSTRUCTION BY OTHERS												
3	CONSTRUCTED												
4	CONSTRUCTED												
5	FUTURE CONSTRUCTION BY OTHERS												
6	FUTURE CONSTRUCTION BY OTHERS												
7	FUTURE CONSTRUCTION BY OTHERS												
8	66.60	66.85	67.35	67.10	66.85	67.60	64.02	63.69	68.40				
9	ELIMINATED												
10	FUTURE CONSTRUCTION BY OTHERS												
11	FUTURE CONSTRUCTION BY OTHERS												
12	FUTURE CONSTRUCTION BY OTHERS												

OUTLET CONTROL STRUCTURE SCHEDULE										
GRAVEL WETLAND NO.	J	К	L	М	N					
1	CONSTRUCTED									
2	FUTURE CONSTRUCTION BY OTHERS									
3	CONSTRUCTED									
4	CONSTRUCTED									
5	FUTURE CONSTRUCTION BY OTHERS									
6	FUTURE CONSTRUCTION BY OTHERS									
7	FUTURE CONSTRUCTION BY OTHERS									
8	2"	66.52	8"	66.94	67.90					
9	ELIMINATED									
10	FUTURE CONSTRUCTION BY OTHERS									
11	FUTURE CONSTRUCTION BY OTHERS									
12	FUTURE CONSTRUCTION BY OTHERS									



CONSTRUCTION OVERSIGHT NOTES:

AS A CONDITION OF THE SITE LOCATION OF DEVELOPMENT DEPARTMENT ORDER, THE OWNER IS REQUIRED TO RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER TO OVERSEE THE CONSTRUCTION AND STABILIZATION OF ALL STORMWATER MANAGEMENT STRUCTURES. ONCE ALL STORMWATER MANAGEMENT STRUCTURES ARE CONSTRUCTED AND STABILIZED, THE INSPECTING ENGINEER IS REQUIRED TO NOTIFY THE DEPARTMENT IN WRITING WITHIN 30 DAYS TO STATE THAT THE BMP'S HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS, OR ANY DEPARTMENT APPROVED CHANGES TO THE PLANS. ACCOMPANYING THE ENGINEER'S NOTIFICATION MUST BE A LOG OF THE ENGINEER'S INSPECTIONS GIVING THE DATE OF EACH INSPECTION, THE TIME OF EACH INSPECTION, AND THE ITEMS INSPECTED ON EACH VISIT, AND INCLUDE ANY TESTING DATA OR SIEVE ANALYSIS DATA FOR THE SOIL, GRAVEL OR FILTER MEDIA COMPONENTS SPECIFIED IN THE PLANS AND USED IN THE CONSTRUCTION OF THE SYSTEMS.

<u>GRAVEL WETLANDS:</u>
CONSTRUCTION SEQUENCE: THE WETLAND SOIL AND VEGETATION MUST NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO THE SYSTEM HAS BEEN PERMANENTLY STABILIZED WITH PAVEMENT OR OTHER STRUCTURE, 90% VEGETATION COVER, OR OTHER PERMANENT STABILIZATION UNLESS THE RUNOFF FROM THE CONTRIBUTING DRAINAGE AREA IS DIVERTED AROUND THE FILTER UNTIL STABILIZATION IS COMPLETED. CONSTRUCTION OVERSIGHT: INSPECTION BY A PROFESSIONAL ENGINEER WILL OCCUR AT A MINIMUM: • AFTER THE EXCAVATION OF THE TREATMENT CELLS AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED

BUT NOT BACKFILLED, AFTER THE CRUSHED STONE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE WETLAND

• AFTER THE WETLAND SOIL HAS BEEN INSTALLED AND SEEDED AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS, AND • ALL THE MATERIAL USED FOR THE CONSTRUCTION OF THE WETLAND SYSTEM MUST BE CONFIRMED AS SUITABLE BY THE DESIGN ENGINEER. TESTING MUST BE DONE BY A CERTIFIED LABORATORY TO SHOW THAT

THEY ARE PASSING DEP SPECIFICATIONS. TESTING AND SUBMITTALS: THE CONTRACTOR SHALL IDENTIFY THE LOCATION OF THE SOURCE OF EACH COMPONENT OF THE WETLAND SOIL, PEA GRAVEL AND CRUSHED STONE LAYERS. ALL RESULTS OF FIELD AND LABORATORY TESTING SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR CONFIRMATION.

ROADWAY AND SITE GRADING: INSPECTIONS A PROFESSIONAL ENGINEER WILL CONSIST OF A VISIT TO THE SITE PRIOR TO CONSTRUCTION TO CONSULT WITH THE EARTHWORK CONTRACTOR AND A POST CONSTRUCTION MEETING TO CONFIRM GRADING OF THE ROADWAY AND SITE AREAS TO ENSURE RUNOFF IS DIRECTED ACCORDING TO PLANS AND TO OVERSEE THE RE-STABILIZATION OF THE LOT INTO A VEGETATED COVER.

ON THE SPREADER BASE AND LIP TO ENSURE A UNIFORM DISTRIBUTION OF FLOW. INSPECTIONS SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER AND SHALL CONSIST OF VISITS TO THE SITE TO INSPECT THE FINISHED CONSTRUCTION OF EACH LEVEL SPREADER TO ENSURE THE STONE MATERIAL AND PLACEMENT MEETS THE DESIGN REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.

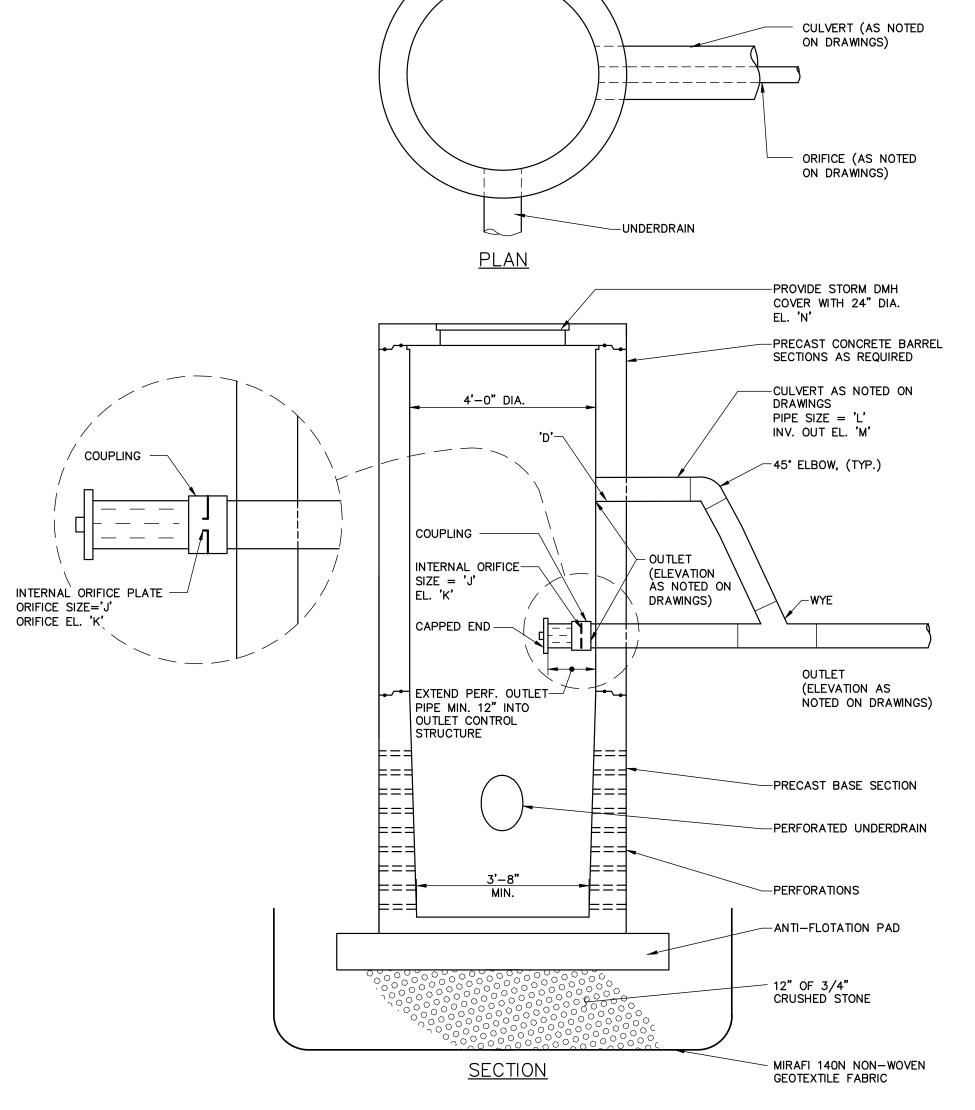
STONE BERMED LEVEL LIP SPREADER: A LEVEL SPREADER MUST BE INSTALLED CORRECTLY WITH 0% GRADE

DEWATERING:
A DEWATERING PLAN SHALL BE DEVELOPED BY THE CONTRACTOR IN ACCORDANCE WITH PLAN NOTES, DETAILS AND CONTRACT SPECIFICATIONS TO ADDRESS EXCAVATION DE-WATERING FOLLOWING HEAVY RAINFALL EVENTS OR WHERE THE EXCAVATION MAY INTERCEPT THE GROUNDWATER TABLE DURING CONSTRUCTION. THE DEWATERING PLAN SHOULD ADDRESS TREATMENT AND IDENTIFY DISCHARGE POINTS THAT WILL NOT CAUSE DOWNGRADIENT EROSION AND OFFSITE SEDIMENTATION OR WITHIN A RESOURCE.

BASIC STANDARDS — EROSION CONTROL MEASURES:
MINIMUM EROSION CONTROL MEASURES WILL NEED TO BE IMPLEMENTED AND THE APPLICANT WILL BE RESPONSIBLE TO MAINTAIN ALL COMPONENTS OF THE EROSION CONTROL PLAN UNTIL THE SITE IS FULLY STABILIZED. HOWEVER, BASED ON SITE AND WEATHER CONDITIONS DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY NEED TO BE IMPLEMENTED. ALL AREAS OF INSTABILITY AND EROSION MUST BE REPAIRED IMMEDIATELY DURING CONSTRUCTION AND NEED TO BE MAINTAINED UNTIL THE SITE IS FULLY STABILIZED OR VEGETATION IS ESTABLISHED. A CONSTRUCTION LOG MUST BE MAINTAINED BY THE RESIDENT INSPECTOR FOR THE EROSION AND SEDIMENTATION CONTROL INSPECTIONS AND MAINTENANCE

THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES AS PUBLISHED IN 1991 BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS BEEN CHANGED TO THE "MAINE EROSION AND SEDIMENT CONTROL BMPS" PUBLISHED BY THE MAINE DEP IN 2003. ALL REFERENCES SHOULD BE CHANGED TO THE NEW MANUAL. HTTP: //WWW.MAINE.GOV/DEP/BLWQ/DOCSTAND/ESCBMPS/INDEX.HTM

-UNDERDRAIN



OUTLET CONTROL STRUCTURE

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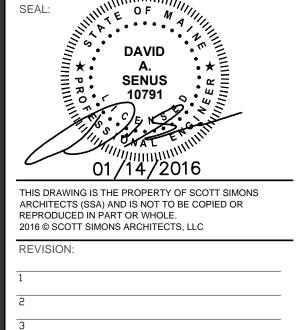
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CIVIL DETAILS 1