

**DISPOSAL BED LOCATION PLAN**  
SCALE: 1"=50'

**LEGEND**

EXISTING		PROPOSED	
	PROPERTY LINES		EDGE OF GRAVEL SANITARY SEWER
	BUILDING		FORCEMAIN
	EDGE OF GRAVEL ROAD		SANITARY MANHOLE PUMP STATION
	FLAGPOLE		
	SANITARY SEWER		
	CULVERT		
	OVERHEAD UTILITY		
	CONTOURS		
	UTILITY POLE		
	FENCE		
	WELL		

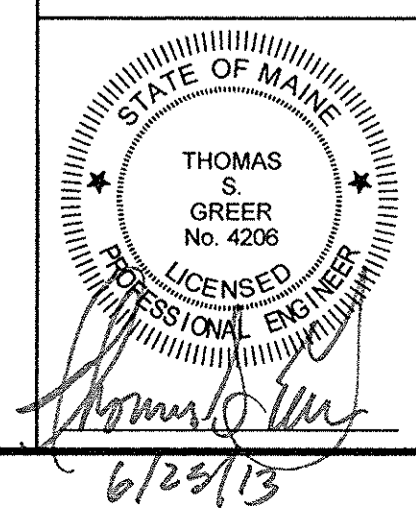
**INSTALLATION NOTES FOR ELJEN IN-DRAIN BEDS**

- THIS SYSTEM IS NOT DESIGNED FOR THE USE OF A GARBAGE DISPOSAL.
- THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER SOFTENER.
- STAKE CLEARING LIMITS SO THAT DISTURBANCE IS MINIMIZED.
- CLEAR GRUB AND STRIP TOPSOIL FROM THE DISPOSAL BED AREAS AND STOCKPILE MATERIAL FOR REUSE ON SITE.
- ON RAISED SYSTEMS, THE ORGANIC LOAM LAYER MUST BE REMOVED FROM TRENCH OR BED AND SLOPE EXTENSION AREAS PRIOR TO FILL PLACEMENT. A BUCKET WITH TEETH IS BEST USED FOR THIS CONSTRUCTION STEP AS BUCKETS WITHOUT TEETH CAN COMPACT AND SMEAR THE UNDERLYING SOIL TO CREATE 6"-8" MIXING ZONE BENEATH BED AREA ALONG EXISTING SOIL INTERFACE.
- SCARIFY SUBSOIL PRIOR TO FILL PLACEMENT.
- SURFACE SLOPES OVER DISPOSAL BEDS SHALL NOT EXCEED 3:1 (H:V). SIDESLOPES OF DISPOSAL BEDS SHALL NOT EXCEED 4:1 (H:V).
- BACKFILL MATERIAL SHALL MEET SECTION 804.2 OF THE MAINE RULES. ALL BACKFILL MATERIAL SHALL BE CLEAN BANK RUN SAND, FREE OF TOPSOIL OR HUMUS AND DREDGING DIRECTLY BENEATH THE EDA.
- THE 6" UNDERNEATH AND 9" SURROUNDING THE GSF MODULES SHALL BE INSTALLED USING A MEDIUM TO COARSE WASHED SAND WITH AN EFFECTIVE SIZE OF 0.25 TO 2.0 MM, NO GREATER THAN 10% PASSING A #100 SIEVE AND NO GREATER THAN 5% PASSING A #200 SIEVE, AND NO PARTICLES LARGER THAN 3/16", OR MATERIALS MEETING THE ASTM C33 SPECIFICATION WITH LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 5% PASSING A #200 SIEVE. WASHED CONCRETE SAND EASILY MEETS THE ABOVE SPECIFICATION AND IS A RELIABLE CHOICE. SUITABILITY OF BANK RUN SAND MUST BE VERIFIED.
- FILL (COVER MATERIAL) AND BACKFILL MATERIAL (FILL ADDED BELOW AND AROUND THE GSF SPECIFIED SAND ENVELOPE) SHALL BE BANK RUN SAND WITH LESS THAN 4% TO 8% PASSING A #100 SIEVE AND CLAY LESS THAN 2% AND NO STONES LARGER THAN 3" IN ANY DIMENSION. THE TOTAL DEPTH ABOVE THE GSF MODULES SHALL BE BETWEEN 12" TO 18", AND CONSIST OF A BOTTOM LAYER OF BANK RUN SAND AND A 4" TO 6" TOP LAYER OF CLEAN LOAM. INSTALL BANK RUN SAND SO THAT A MINIMUM DEPTH OF 18" BETWEEN THE EXISTING GRADE AND BOTTOM OF THE GSF MODULES IS PROVIDED.
- ANY SYSTEM WHICH IS MORE THAN 18" BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULES SHALL BE VENTED.
- THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE ELJEN DESIGN AND INSTALLATION MANUAL.
- LOAM, SEED, OR WOOD CHIP OVER DISTURBED AREAS IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL NOTES ON SHEET C2.2. MAINTAIN UNTIL GRASS IS 85% TO 90% ESTABLISHED.
- IF SEEDING CAN NOT OCCUR BETWEEN SPECIFIED DATES, WAIT UNTIL THE FOLLOWING SPRING TO APPLY PERMANENT SEED. DO NOT PERFORM DORMANT SEEDING, APPLY EROSION CONTROL MESH.

**GENERAL NOTES**

- OWNER: CLIFF ISLAND SEPTIC SYSTEM ASSOCIATION, PO BOX 78, CLIFF ISLAND, MAINE, STEPHEN C. LITTLE, PRESIDENT, ROGER K. BERLE TREASURER.
- ENGINEER: PINKHAM & GREER CONSULTING ENGINEERS, FALMOUTH, MAINE.
- BOUNDARY INFORMATION: TAKEN FROM CITY OF PORTLAND RECORDS AND TAXMAPS.
- TOPOGRAPHIC INFORMATION: TAKEN FROM MAINE OFFICE OF GIS DATA CATALOG, 2 FOOT CONTOURS. CONTOURS ARE APPROXIMATE ONLY, ACTUAL ELEVATIONS SHOULD BE VERIFIED IN THE FIELD PRIOR TO ANY INSTALLATIONS.
- SOIL ANALYSIS: BY MARK HAMPTON ASSOCIATES, INC., PORTLAND, MAINE.
- TAX MAP REFERENCE: MAP 109A/LOT C-1 AND MAP 109B/LOT C-1.
- ALL CONSTRUCTION AND SITE ALTERATIONS SHALL BE DONE IN ACCORDANCE WITH THE "MAINE EROSION AND SEDIMENT CONTROL BMPs" PUBLISHED BY THE BUREAU OF LAND AND WATER QUALITY, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, LATEST EDITION, MARCH 2003.

2	6/25/13	RELOCATED FORCEMAIN
1	3/26/13	REVISED FORCEMAIN LOCATION
REV.	DATE	DESCRIPTION
CLIFF ISLAND SEPTIC SYSTEM ASSOCIATION P.O. BOX 78, CLIFF ISLAND, MAINE  <b>WASTEWATER TREATMENT</b> CLIFF ISLAND, PORTLAND MAINE  <b>PINKHAM &amp; GREER</b>  <small>CONSULTING ENGINEERS          28 VANNAH AVENUE          PORTLAND, MAINE</small> <b>DISPOSAL BED SYSTEM LAYOUT</b>		
SCALE:	AS SHOWN	DRN BY: JDC
DATE:	OCTOBER 5, 2012	DESG BY: TSG
PROJECT:	11161	CHK BY: <i>TSG</i>



C1.1