



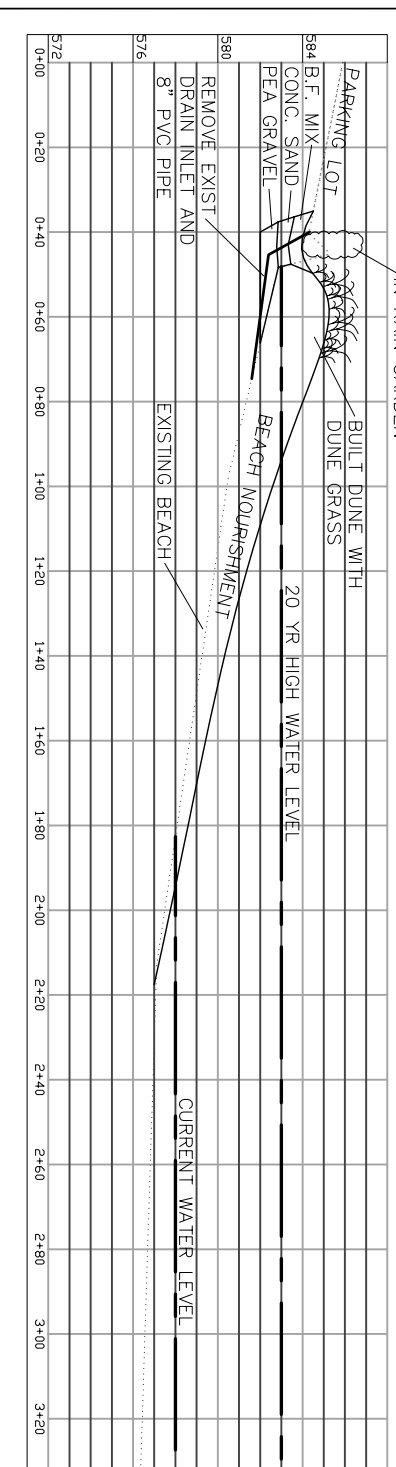
**POSSIBLE IMPROVEMENTS**

- Best management practices
  - o Clean storm sewer inlets four times per year
  - o Street/hard surface cleaning four times per year
  - o Remove cladophora when significant amount accumulates in swash zone
  - o Implement storm water ordinances for future development
  - o Public Signage (No Pets, Don't feed the birds, Pick up trash)
  - o Daily to weekly beach grooming
- Beach Nourishment to increase infiltration, decrease swash zone width, and increase beach area
- Line parking lot and edge of beach with built dune to slow surface flow and increase infiltration
- Plant dune grass on berm to stabilize sand, increase infiltration, increase evapotranspiration, and detract birds
- Install rain garden between beach and parking lot to infiltrate and filter surface runoff (rain garden can infiltrate at least 0.04 cfs)
- Remove parking lot inlet and pipe to stop direct discharge at beach
- Remove foot wash station to prevent standing water in parking lot

**LEGEND**

- PROPERTY LINE
- - - 584 --- EXISTING CONTOURS (NGVD29 ELEV.)
- - - 584 --- PROPOSED CONTOURS (NGVD29 ELEV.)
- ST - EXISTING STORM SEWER
- EXISTING CURB INLET
- BUILT DUNE WITH DUNE GRASS
- ⊙ SOIL BORING

**BEACH PROFILE A-A'**



**EPHRAIM TOWN BEACH  
E. COLI REDUCTION CONCEPT**



NOTE: PROPERTY LINE, CONTOUR AND ORTHO PHOTO INFORMATION SHOWN HEREON IS APPROXIMATE, AND WAS TAKEN FROM DATA PROVIDED BY THE DOOR COUNTY SOIL AND WATER CONSERVATION DEPARTMENT.

NO.	DATE	DESCRIPTION	BY	VER.
3	4/10/07	ISSUED FOR SMOO REVIEW	SCJ	
2	4/2/07	GENERAL EDITS	SMW	
1	3/27/07	GENERAL EDITS	SCJ	

<b>DOOR COUNTY</b>		DATE	BY	SCALE	SHEET
BEACH STORM WATER MANAGEMENT		1-23-07	SCJ	1"=30'	2
EPHRAIM, WI		JOB 17326-B-	CK		2
		EPHRAIM	PGP		OF

**PRELIMINARY, NOT FOR CONSTRUCTION**  
**CONCEPTUAL DESIGN**  
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