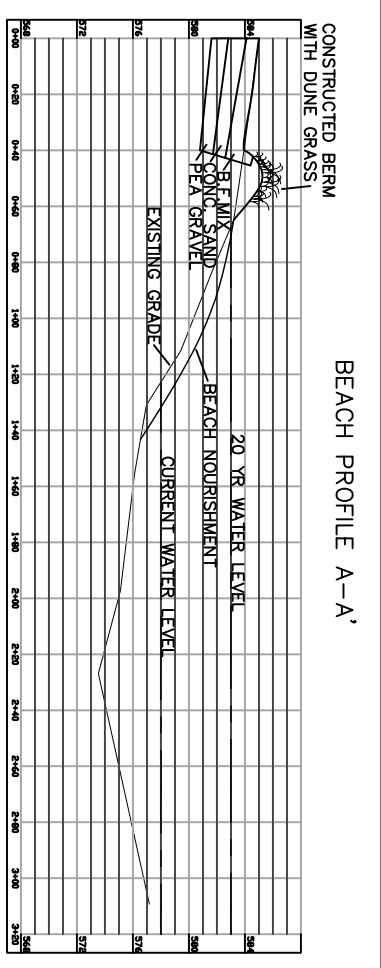


ELLISON BAY TOWN PARK

E. COLI REDUCTION CONCEPTUAL DESIGN

POSSIBLE IMPROVEMENTS

- Best management practices
 - o Street/hard surface cleaning four times per year
 - o Remove cladophora when significant amount accumulates in wash zone
 - o Implement storm water ordinances for future development
 - o Public Signage (No Pets, Don't feed the birds, Pick up trash)
- Daily to weekly beach grooming
- Beach Nourishment to increase infiltration, decrease swash zone width, and increase beach area
- Line edge of beach with berm to slow surface flow and increase infiltration
- Plant dune grass on berm to stabilize sand, increase infiltration, increase evapotranspiration, and detract birds
- Remove northern portion of road to prevent surface runoff
- Remove part of rock breakwater and pier to increase water movement at beach and detract birds
- Install rain garden around beach area to infiltrate and filter "first flush" surface runoff
- Plant thick vegetative barrier around gravel beach to keep birds off beach and lawn area



LEGEND

- PROPERTY LINE
- - - EXISTING CONTOURS (NGVD29 ELEV.)
- ▨ THICK VEGETATION
- NATIVE VEGETATION
- ▨ ROAD TO BE REMOVED
- ⊙ SOIL BORING

0 30 60
 (IN FEET)
 1 inch = 30 ft.
 (SCALE VALID FOR 24" X 36" PLAN)

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.

PRELIMINARY, NOT FOR CONSTRUCTION

CONCEPTUAL DESIGN

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 www.stortwithmiller.com

NO.	DATE	DESCRIPTION	BY	VER.	AS SHOWN	PGP	SHEET
4	4/10/07	ISSUED FOR SMOI REVIEW	SCJ				2 OF 2
3	4/9/07	EXPAND BEACH NOURISHMENT	SCJ				
2	4/2/07	TEXT AND LEGEND EDITS	SMW				
1	3/27/07	GENERAL EDITS	SCJ				
DOOR COUNTY BEACH STORM WATER MANAGEMENT ELLISON BAY, WI							