



SISTER BAY

MAINTAIN WIRE ON PIER TO DETRACT BIRDS.

EXTEND STORM SEWER DISCHARGE APPROX. 250 L.F. INTO BAY

INSTALL PERFORATED STORM SEWER PIPES IN SAND FILTER TRENCHES (SEE DETAIL)

MANHOLE (SEE DETAIL)

B13 (COBBLES)

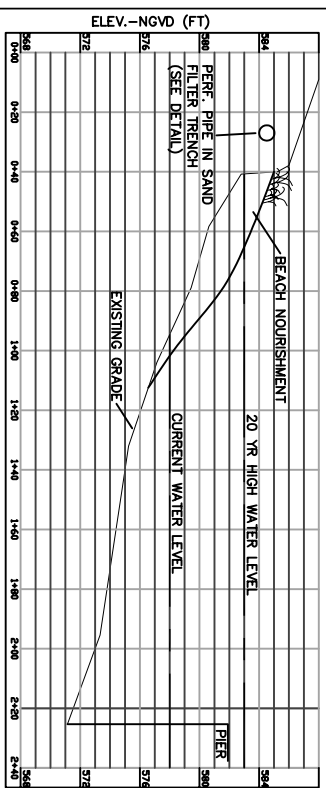
B12 (A.R. AT ST)

PROPERTY LINE

MILL ROAD

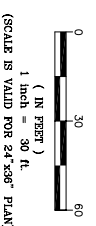
S.T.H. 42

BEACH PROFILE A-A'

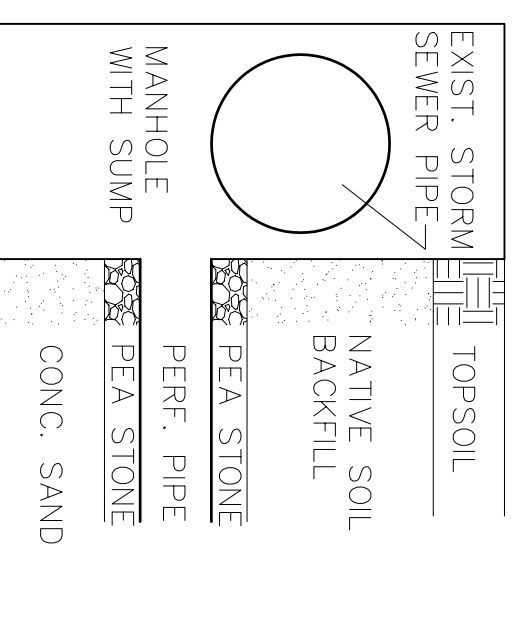
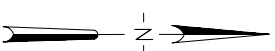


SISTER BAY VILLAGE BEACH E. COLI REDUCTION CONCEPT PLAN

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.



- LEGEND**
- PROPERTY LINE
 - 984--- EXISTING CONTOURS (NGVD29 ELEV.)
 - ST- ST- STORM SEWER
 - - - - PERFORATED PIPE IN SAND FILTER TRENCH
 - - - - EXTENDED STORM SEWER DISCHARGE
 - EXISTING VORTECHNICS UNIT
 - PROPOSED MANHOLE
 - SOIL BORING



PERF. PIPE IN SAND FILTER TRENCH DETAIL

- POSSIBLE IMPROVEMENTS**
- Best management practices
 - o Clean storm sewer inlets and Vortechcnics unit 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 edge of beach with dune grass to stabilize sand, increase infiltration, increase evapotrasporation, and detract birds.
 - Extend perforated pipes from storm sewer and imbed in sand filter trenches to infiltrate and filter "first flush" storm sewer water.
 - Extend storm sewer discharge pipe approximately 250 feet into bay if additional monitoring indicates a need.
 - Maintain wire on pier to detract birds

NO.	DATE	DESCRIPTION	BY
2	4/11/07	ISSUED FOR SWD REVIEW	SCJ
1	4/2/07	TEXT AND LEGEND EDITS	SCJ
PRELIMINARY, NOT FOR CONSTRUCTION			
CONCEPTUAL DESIGN			
MILLER ENGINEERS SCIENTISTS An Employee Owned Company 5308 S. 12th Street Sheboygan, WI 53081-6099 Phone 920-458-6164 Fax 920-458-0369 www.stortwithmiller.com			
DOOR COUNTY BEACH STORM WATER MANAGEMENT SISTER BAY VILLAGE BEACH SISTER BAY, WI			
SCALE	DATE	BY	SHEET
HOR. 1"=30'	2/15/07	SCJ	2
VER. AS SHOWN	JOB 17326-B-SISTERBAY	OK	2
		PGP	OF