LEMON BAY PRESERVE
Wetland Restoration Project (Weir Modification)

INDEX TO DRAWING

DRAWING NO.  DRAWING DESCRIPTION
1  TITLE SHEET
2  WEIR DETAIL SHEET
3  SANDER DETAIL SHEET
4  EROSION CONTROL SHEET

PROJECT VICINITY MAP

PROJECT LOCATION MAP

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SARASOTA COUNTY SARASOTA, FLORIDA

DEC 2006
LOCATION OF PROPOSED SKIMMER

APPROX LOCATION OF TURBIDITY BARRIER DURING CONSTRUCTION

APPROX LOCATION OF SEDIMENT CONTROL

INSTALL 12" THICK (Dso=6" MIN) RIP-RAP IN FRONT OF NEW SKIMMER

END SECTIONS TO BE FIELD LOCATED

PLACE TURBIDITY BARRIER DURING CONSTRUCTION OF SKIMMER (PART "A") such that South Branch pools then flows to North Branch in high water conditions

IN EXISTING CONCRETE WEIR

EXISTING RIP-RAP REMAINS

PLAN VIEW

ARROWS SHOW EXISTING FLOW PATH - TO BE REDIRECTED DURING CONSTRUCTION

SECTION C-C

NOT TO SCALE

TOP OF SKIMMER ELEV. @ 4.8'

BOTTOM OF SKIMMER ELEV. @ 1.3'

PROFILE VIEW

NOT TO SCALE

EXIST. ELEV. ON UPSTREAM SIDE =-.34'

SEE DETAIL "D"

SEE DETAIL "E"

DETAILED TURBIDITY BARRIER

END SECTIONS TURN 90' TO CONNECT TO CONCRETE WEIR - PLACEMENT TO BE FIELD LOCATED

EXIST. CONC WEIR

EXIST. EMBANKMENT

RPL-STRUCTURAL FIBER REINFORCED POSTS MIN. 6"X6" - SPACED 4' O.C.

INSTALL 12" RIP-RAP (Dso=6" MIN) UPSTREAM OF NEW SKIMMER UNDERLAY W/FILTER FABRIC ON TOP OF EXISTING GRADE

DETAILED INFORMATION

DISTANCE TO BE 6' MINIMUM

TOP ELEV. 6" BELOW CONC. WEIR ELEV. SET AT 1.3'

BOTTOM ELEV. 6" BELOW CONC. WEIR ELEV. SET AT 1.3'

TOP ELEV. 6" BELOW CONC. WEIR ELEV. SET AT 1.3'

BOTTOM ELEV. 6" BELOW CONC. WEIR ELEV. SET AT 1.3'

MINIMUM 10'

Lemon Bay Municipal Services District

CONSTRUCTION

PART "A"

Sarasota County Water Control Services / Env. Services

James L. Brown

1224.0x792.4

Drawing Date: 12/4/01

Sheet Number: 4 of 4

NOT TO SCALE
CONSTRUCTION PART "B"

PLACEMENT OF PROP. WEIR

Place Turbidity Barrier during construction of weir (PART "B") such that North Branch continues to flow

REMOVE EXIST RIP RAP AND RE-USE WHERE SHOWN

STORAGE AREA OF TEMP/PERMANENT EXCAVATED MATERIALS AT TOP OF BANK ON EITHER SIDE OF WEIR HYDRO-SEED AS NECESS.

EXISTING CONDITIONS

LOCATION OF PROPOSED WEIR

EXISTING SEDIMENT POND

CONCRETE CAP OVER SHEET PILE ENDS AS SLOPE BEGINS

HIGH WATER CONDITIONS WATER WILL FLOW OVER

6' THICK CONCRETE SERVICE RAMP W/12" OF SAND SUBBASE

CONCRETE CAP OVER SHEET PILE ENDS AS SLOPE BEGINS

Sheet Pile Weir:

Sheet Pile Retaining Wall

Elev. 2.3' (Top of Concrete)

Elev. 2.0' (Top of Concrete)

Sheet Pile Weir Elev. 2.3' (Top of Concrete)

Sheet Pile Retaining Wall Elev. 2.0' (Top of Concrete)

Area Graded 4:1 (Approx.)

Place Turbidity Barrier during construction of weir (PART "B") such that South Branch flows to Preserve.

SCALE 1" = 6'

NOTE: EXTEND PLUMPS TO A MIN. DEPTH = -10' ELEVATION OR AS REQUIRED FOR STABILIZATION PER MANUFACTURER