

CITY OF

FORT MYERS

FLORIDA

PROPERTY OWNERS:

LEE COUNTY

PO BOX 388

FORT MYERS, FLORIDA 33902

CITY OF FORT MYERS

P.O. BOX 2217

FORT MYERS, FLORIDA 33902

KEY	STRAP NO.	ADDRESS
CITY OF FORT MYERS PARCEL OWNERSHIP		
A	08-44-25-P-3-04800.3190	4201 ARLINGTON AVENUE
B	08-44-25-P-3-04800.3180	4215 ARLINGTON AVENUE
C	08-44-25-P-3-04800.3170	4221 ARLINGTON AVENUE
D	08-44-25-P-3-04800.3160	4231 ARLINGTON AVENUE
E	08-44-25-P-3-04800.3150	4235 ARLINGTON AVENUE
F	08-44-25-P-3-04800.3140	4241 ARLINGTON AVENUE
G	08-44-25-P-3-04800.3130	4251 ARLINGTON AVENUE
H	08-44-25-P-3-04800.3120	4259 ARLINGTON AVENUE
I	08-44-25-P-3-04800.3110	4269 ARLINGTON AVENUE
J	08-44-25-P-3-04800.3100	4275 ARLINGTON AVENUE
K	08-44-25-P-3-04800.3080	4231 ARLINGTON AVENUE
L	08-44-25-P-3-04800.3060	4333 ARLINGTON AVENUE
M	08-44-25-P-3-04800.3050	4341 ARLINGTON AVENUE
N	08-44-25-P-3-04800.3010	4361 ARLINGTON AVENUE
LEE COUNTY PARCEL OWNERSHIP		
	09-44-25-P-4-00060.0000	WOODSIDE AVENUE
	08-44-25-P-3-00067.0000	4320 WOODSIDE AVENUE
	08-44-25-P-3-00067.0010	4420 WOODSIDE AVENUE
REFER TO SHEET P-1 FOR LOCATIONS		

PROPERTY DEVELOPERS:

CITY OF FORT MYERS

P.O. BOX 2217

FORT MYERS, FLORIDA 33902

LIST OF UTILITY SERVICE AREAS:

WATER & SEWER

CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT

4208 MLK BLVD., FORT MYERS, FL 33916

(239) 332-0801

FLORIDA POWER AND LIGHT

15834 WINKLER ROAD, FORT MYERS, FL 33908

(239) 415-1302

TECO / PEOPLES GAS

5801 ENTERPRISE PARKWAY, FORT MYERS, FL 33905

(239) 690-4507

EMBARQ / UNITED TELEPHONE-FLORIDA

P.O. BOX 378, FORT MYERS, FL 33901

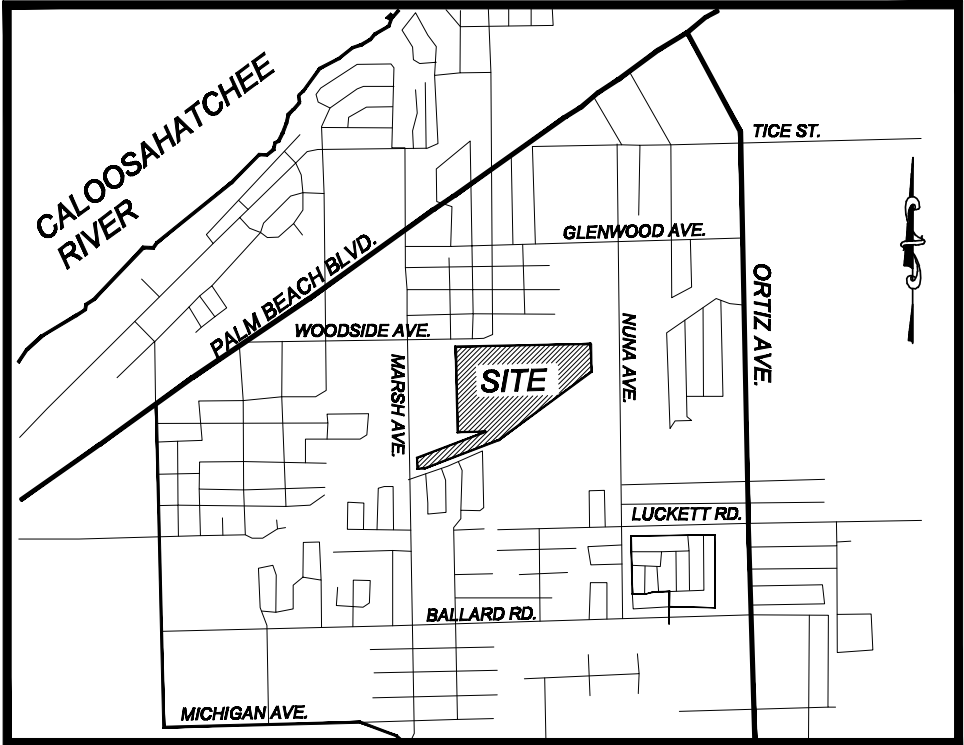
(239) 336-2011

COMCAST CABLE

1418 SE 18TH STREET, CAPE CORAL, FL 33909

(239) 874-2020

BILLY CREEK FILTER MARSH
AND PASSIVE PARK
4420 WOODSIDE AVENUE
FORT MYERS, FLORIDA 33905



PROJECT LOCATION MAP
NTS

THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE CITY OF FORT MYERS GROWTH MANAGEMENT CODE WITH THE EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

Deviations: Florida P.E. #: 45200

R.M. Edenfield, P.E. Date

Development Order Approved:
Public Works Administration

SAEED KAZEMI - Acting Director of Public Works Date

ELIANA HAYES - Acting City Engineer Date

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FORT MYERS CITY COUNCIL

MAYOR - JIM HUMPHREY
WARD 1 - WARREN WRIGHT
WARD 2 - JOHNNY STREETS, JR.
WARD 3 - LEVON SIMMS
WARD 4 - MICHAEL FLANDERS
WARD 5 - RANDALL HENDERSON, JR
WARD 6 - THOMAS LEONARDO

FORT MYERS CITY MANAGER

WILLIAM P. MITCHELL

DEPARTMENT OF PUBLIC WORKS
Engineering Division

SAEED KAZEMI, P.E. - Director of Public Works
ELIANA HAYES - City Engineer

2800 SECOND STREET
FORT MYERS, FLORIDA 33902
TELEPHONE (239) 961-1448 FAX (239) 944-6908

PREPARED BY:

DAVID M. JONES JR. AND ASSOCIATES, INC.

LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901
(239) 337-5525 FAX (239) 337-4494



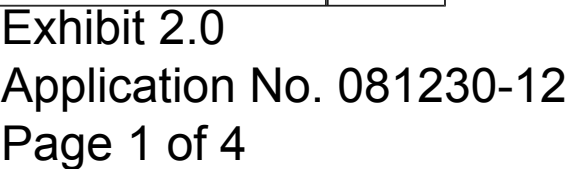
ECT
Environmental Consulting & Technology, Inc.

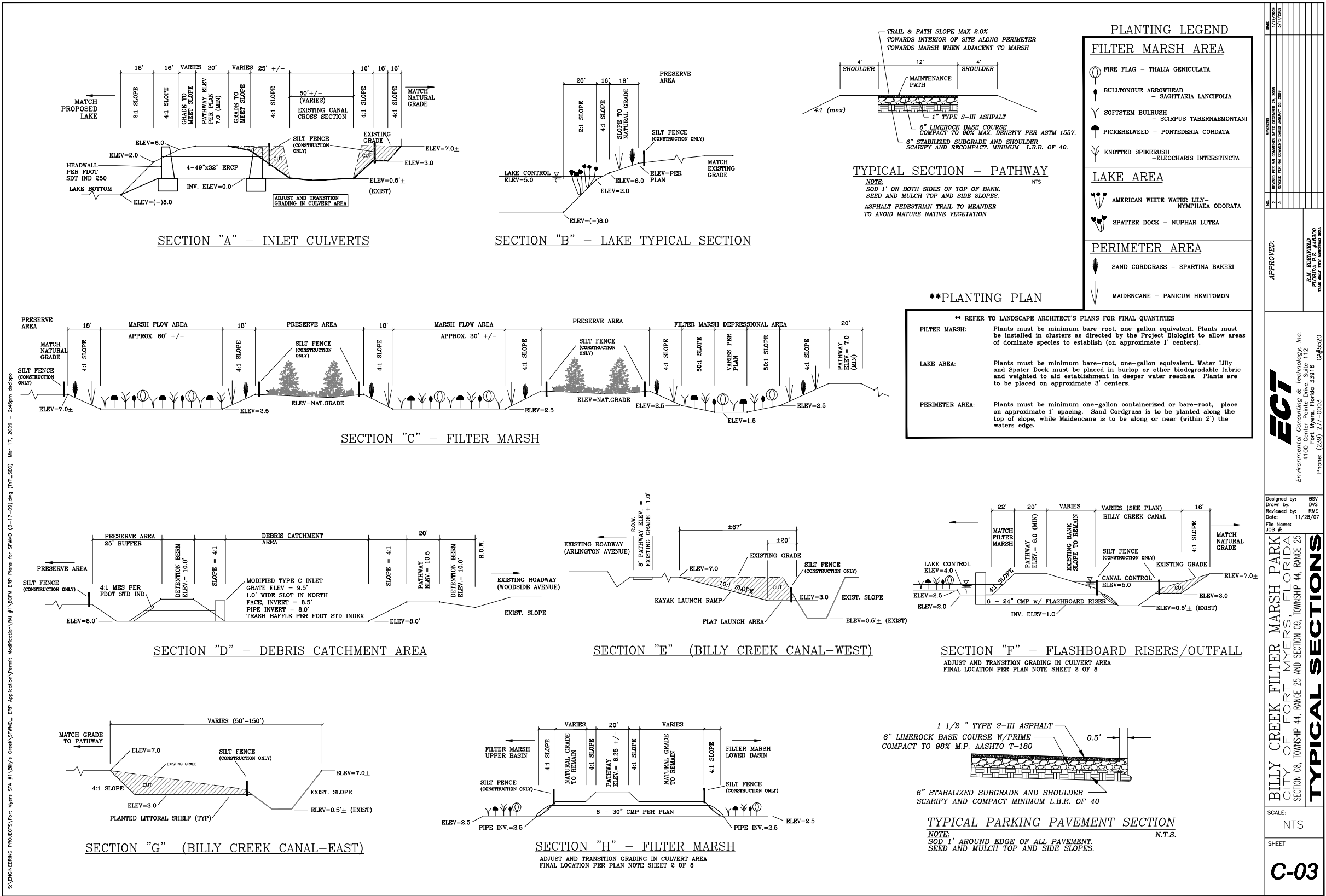
4100 CENTER POINTE DRIVE
FORT MYERS, FLORIDA 33916
Tel (239) 277-0008 Fax (239) 277-1211
e-mail: ectcorp@ectinc.com
http://www.ectinc.com
CA#65520

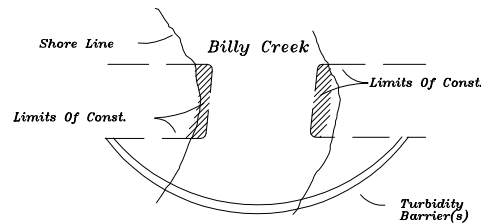
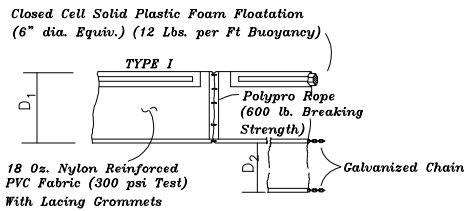
RONALD M. EDENFIELD, P.E.
FLORIDA P.E. No. 45200

DATE

THESE DRAWINGS ARE NOT APPROVED FOR CONSTRUCTION
UNLESS ORIGINALLY SIGNED AND SEALED.

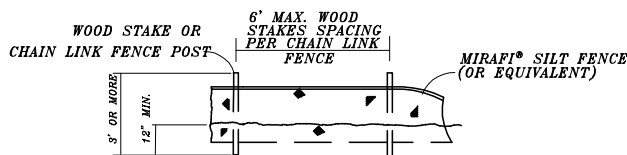
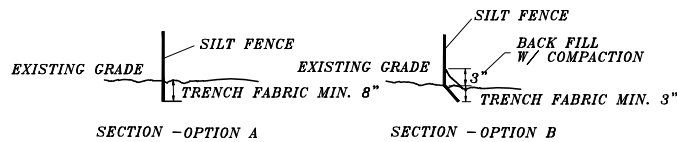




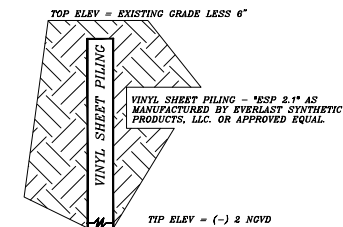


NOTES: TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING, OR STAKED TYPES OR ANY COMBINATION OF TYPES THAT WILL SUIT SITE CONDITIONS AND MEET EROSION CONTROL AND WATER QUALITY REQUIREMENTS. THE BARRIER TYPE(S) WILL BE AT THE CONTRACTORS OPTION UNLESS OTHERWISE SPECIFIED IN THE PLANS, HOWEVER, PAYMENT WILL BE UNDER THE PAY ITEM(S) ESTABLISHED IN THE PLANS FOR FLOATING TURBIDITY BARRIER AND/OR STAKED TURBIDITY BARRIER. POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

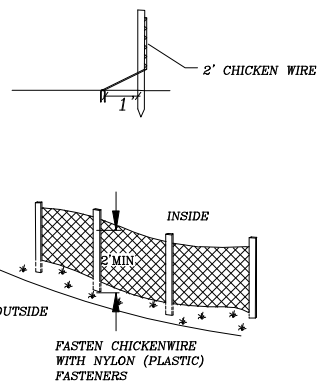
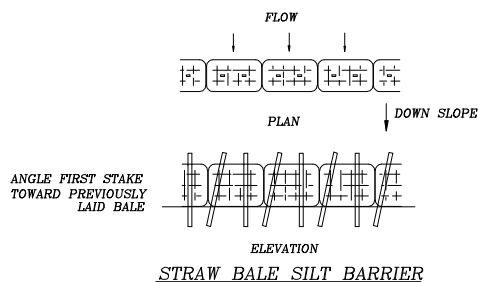
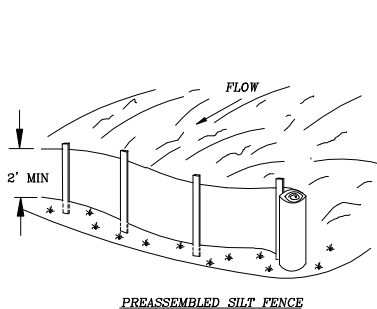
TURBIDITY BARRIER APPLICATIONS (BILLY CREEK CANAL)
(N.T.S.)



TYPICAL SILT FENCE DETAIL (N.T.S.)



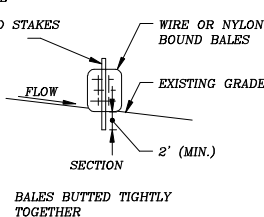
PROPOSED HYDRAULIC IMPEDIMENT
(N.T.S.)



POST (OPTIONS: 2"x4" OR 2 1/2" MIN DIA WOOD
STEEL - 1.33 LBS/FT MIN) 6' CENTERS MAX

GEOTEXTILE CRITERIA
GRAB TENSILE STRENGTH
TRAPEZOIDAL TEAR
MULLEN BURST
SEE FDOT INDEX NO 199

2 PER BALE



STORMWATER POLLUTION PREVENTION & EROSION CONTROL NOTES

- 1) THE CONTRACTOR SHALL PREPARE OR HAVE PREPARED A PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPP3) IN COMPLIANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION GUIDELINES AND THE SWPP3 FOR THIS PROJECT SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL 7 BUSINESS DAYS PRIOR TO MOBILIZATION.
- 2) SILT FENCING SHALL BE PROPERLY INSTALLED AROUND THE PROJECT PERIMETER OR AS INDICATED PRIOR TO CLEARING AND/OR CONSTRUCTION.
- 3) HAY BALE AND/OR SILT FENCE CHECK DAM BARRIERS SHALL BE INSTALLED ON UPSTREAM AND DOWNSTREAM SIDES OF ALL EXISTING AND NEWLY INSTALLED CULVERT PIPES AND SHALL BE MAINTAINED UNTIL PROJECT COMPLETION.
- 4) TOPSOIL STOCK PILES AND OTHER DISTURBED AREAS WHERE CONSTRUCTION ACTIVITY CEASES FOR MORE THAN TWENTY-ONE (21) DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING AND MULCH WITHIN FOURTEEN (14) DAYS FROM THE DATE OF LAST CONSTRUCTION ACTIVITY IN THAT AREA.
- 5) SOD ALL CANAL BANKS AND SLOPES TO THE WATER'S EDGE IMMEDIATELY AFTER CONSTRUCTION ACTIVITY. ALL SOD PLACED ON SLOPES GREATER THAN 3H:1V SHALL BE STAKED.
- 6) ALL POLLUTION PREVENTION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND FOLLOWING ALL STORM EVENTS GREATER THAN 0.5" IN 24-HOURS.
- 7) ALL POLLUTION PREVENTION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. REPAIRS SHALL BE INITIATED IMMEDIATELY, BUT NOT LONGER THAN TWENTY-FOUR (24) HOURS AFTER DISCOVERY.
- 8) BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCING WHEN IT REACHES ONE-THIRD (1/3) OF THE HEIGHT OF THE FENCE.
- 9) SILT FENCING WILL BE INSPECTED DAILY FOR DEPTH OF SEDIMENT TEARS, TO INSURE PROPER ATTACHMENT TO POSTS, AND TO INSURE POSTS ARE SECURELY PLACED.
- 10) ALL CONSTRUCTION ENTRANCES SHALL STABILIZED SO AS TO NOT TRACK ANY SOIL (MUD) OR DEBRIS ONTO THE ROADWAY PAVEMENT.
- 11) PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN ON THE CONSTRUCTION PLANS SHALL BE PROTECTED IN ACCORDANCE WITH THE LOCAL JURISDICTION AGENCY'S TREE ORDINANCE AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREES SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER.
- 12) THE CONTRACTOR SHALL CLEAR AND CRUB, UNLIT THOSE PORTIONS OF THE SITE, NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE REVEGETATED, OR WITH OTHER APPROVED UTILITY, WHETHER SHOWN IMMEDIATELY FOLLOWING CONSTRUCTION.
- 13) ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATIONS. ONLY "GRADING BY HAND" IS PERMITTED WITHIN THE CANOPY LINE OF TREES THAT ARE TO REMAIN.
- 14) THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN LOCATING AND EXCAVATING UTILITIES SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- 15) DURING CONSTRUCTION, ALL STORM SEWER INLETS, CULVERTS & CONVEYANCES IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPPIERS AND SECURED WITH SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS.
- 16) WHEN CONSTRUCTION IS COMPLETED, THE RETENTION/DETENTION AREAS WILL BE RESHAPED, CLEARED OF SILT, MUD AND DEBRIS, AND RE-SODDED IN ACCORDANCE TO THE PLANS.
- 17) CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS, AND EXISTING WETLANDS. IN AREAS WHERE EXISTING WETLANDS ARE TRANSFERRED, SLOPE MULCH, OR OTHER SUITABLE MATERIAL ON THE GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT THE SITE. IF, IN THE OPINION OF THE ENGINEER AND/OR LOCAL JURISDICTION, EXCESSIVE QUANTITIES OF SEDIMENT ARE TRANSFERRED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES.
- 18) IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
- 19) THERE IS TO BE NO DISCHARGE (I.E. PUMPING, SHEET FLOW, SWALE, DITCH, ETC.) INTO EXISTING WATERWAYS OR CONVEYANCES, WITHOUT THE USE OF SETTLING PONDS. IF THE CONTRACTOR DESIRES TO DISCHARGE INTO THE EXISTING WATERWAYS OR CONVEYANCES, A SETTLING POND PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER OF RECORD AND LOCAL REGULATORY AGENCY PRIOR TO CONSTRUCTION.
- 20) TREES SIGHTED ON SITE WHICH ARE IN GOOD CONDITION BUT ARE SHOWN ON THE PLAN TO BE REMOVED WILL BE LEFT IN PLACE UNTIL CONTRACTOR CAN CONSULT THE LANDSCAPE ARCHITECT FOR FURTHER INSTRUCTION.
- 21) THE CONTRACTOR MUST SELECT, IMPLEMENT, AND OPERATE ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SOIL ON-SITE AND ON-ADJACENT PROPERTY. THE CONTRACTOR SHALL MEET THE STANDARD AS SPECIFIED IN CHAPTERS 17-301, 17-302, 17-4, F.A.C. THE CONTRACTOR IS ENCOURAGED TO USE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROLS AS DESCRIBED IN THE NATIONAL BEST MANAGEMENT MANUAL, A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DER, 1986)

STORMWATER POLLUTION PREVENTION & EROSION CONTROL NOTES
(CONT.)

- 22) THE CONTRACTOR SHALL CONTROL TURBID RUNOFF FROM THE PROJECT BY ROUGH EXCAVATING THE PROPOSED RETENTION AREAS IMMEDIATELY FOLLOWING CLEARING AND GRUBBING OPERATIONS. ALL Dewatering DISCHARGE SHALL BE DIRECTED TO THESE AREA(S) FOR SETTLING PRIOR TO DISCHARGE OFF-SITE.
- 23) CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS ASSOCIATED WITH Dewatering FOR CONSTRUCTION OF THIS PROJECT.
- 24) THE CONTRACTOR SHALL INSTALL WATER QUALITY CONTROL DEVICES ALONG THE SITE PERIMETER, AS DESIGNATED ON THESE PLANS. THE CONTRACTOR SHALL RECEIVE THE ENGINEERS APPROVAL OF THE INSTALLATION PRIOR TO ANY OTHER SITE CONSTRUCTION.
- 25) ALL EROSION CONTROL/ WATER QUALITY DEVICES SHALL BE IN ACCORDANCE WITH INDEXES 102 AND 103 OF THE LATEST EDITION OF THE FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS", SILT FENCES, HAY BALES, AND/OR TURBIDITY BARRIERS SHALL BE INSTALLED AT ALL EROSION CONTROL/ WATER QUALITY DEVICES. ALL EROSION CONTROL/ WATER QUALITY DEVICES SHALL BE LEFT IN PLACE UNTIL THE DISTURBED AREAS ARE COMPLETELY STABILIZED AND/ OR VEGETATED.

SAFETY NOTES

- 1) DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED BY THE CONTRACTOR. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR ENFORCING COMPLIANCE WITH TRAVELING PUBLIC AND THE SAFETY OF HIS PERSONNEL. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION.
- 2) THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFETY DEVICES FOR STREET CLOSURES, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS: SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES. THE DESIGNER SHALL PROVIDE THE NECESSARY TO PROTECT THE PUBLIC AND WORKMEN FROM HAZARDS WITHIN THE PROJECT LIMITS.
- 3) ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION.
- 4) IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE OWNER SHALL BE INFORMED OF ANY VIOLATIONS BY THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS.

WASTE MANAGEMENT & DISPOSAL

- 1) THIS SITE SHALL BE SERVED BY PORTABLE SANITARY FACILITIES DURING CONSTRUCTION.
- 2) ALL WASTE MATERIAL SHALL BE COLLECTED AND STORED IN A LIDDED METAL CONTAINER AND IN ACCORDANCE WITH CITY OF PORT MYERS SOLID WASTE STANDARDS. THE DUMPSTER SHALL BE EMPTIED A MINIMUM OF ONCE A WEEK OR MORE OFTEN, IF NECESSARY.
- 3) ALL HAZARDOUS OR TOXIC MATERIAL SHALL BE PROPERLY CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE STATE AND FEDERAL REGULATIONS.
- 4) ANY FUEL OR OTHER PETROLEUM PRODUCTS RELEASED SHALL BE ADDRESSED IMMEDIATELY BY THE CONTRACTOR IN ACCORDANCE WITH CHAPTER 62-770 (PAC).

WEIR STRUCTURE NOTES

- 1) ALL SHEET PILING SHALL UTILIZE A MECHANICAL "BALL AND SOCKET" CONNECTION CONFIGURATION. STEEL SHEET PILING SHALL BE PZ 27 (ASTM A572 GRADE 60). ALTERNATE: VINYL SHEET PILING MAY BE "ESP 60" MANUFACTURED BY EVERLAST SYNTHETIC PRODUCTS, LLC. OR APPROVED EQUAL.
- 2) LINEAR, VERTICAL, AND HORIZONTAL ALIGNMENT OF EACH SHEET PILE SHALL NOT VARY MORE THAN FIVE (5) DEGREES IN EITHER DIRECTION.
- 3) SHEET PILES SHOULD BE INSTALLED WITH A VIBRATORY HAMMER. ALTERNATE METHODS OF INSTALLATION ARE PERMISSIBLE IN CONFORMANCE WITH THE MATERIALS' SPECIFICATIONS AND WITH THE WRITTEN APPROVAL OF THE CITY ENGINEER.
- 4) SHEET PILES SHOULD BE INSTALLED WITH THE "MALE" LOCK ON THE LEADING EDGE SUCH THAT THE "MALE-FEMALE" CONNECTION IS NOT IMPEDED BY SOILS AS WORK PROGRESSES.
- 5) REINFORCING STEEL SHALL BE GRADE 60 (ASTM 615). ALL SPLICES SHALL BE A MINIMUM OF 40 BAR DIAMETERS AND BE STAGGERED. PROVIDE 3" (MINIMUM) CONCRETE COVER FOR ALL REINFORCING STEEL.
- 6) CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS WITH A MAXIMUM AGGREGATE SIZE OF 3/4 INCHES.
- 7) PROVIDE CONSTRUCTION JOINTS AT 30 FOOT INTERVAL SPACING. CHAMFER ALL EDGES 3/4" (7TP).
- 8) ALL STRUCTURAL STEEL SHALL BE GALVANIZED ASTM A36.
- 9) GEOTEXTILE FABRIC TO BE INSTALLED AS SHOWN FROM TOP OF BANK TO TOP OF BANK WITH A 12" MINIMUM OVERLAP.

S:\ENGINEERING PROJECTS\Fort Myers STA #1\Billy's Creek\SFWMND_ ERP Application\Permit Modification\PAI #1\BCFM ERP Plans for SFWMND (3-17-09).dwg (DETAILS) Mar 17, 2009 - 2:47pm discippo

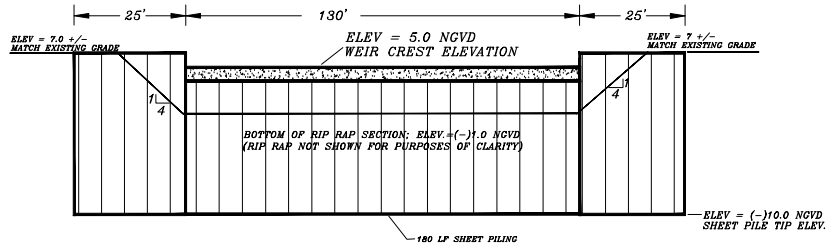
C-04	SHEET	SCALE: N.T.S.	BILLY CREEK FILTER MARSH PARK CITY OF FORT MYERS, FLORIDA SECTION 08, TOWNSHIP 44, RANGE 25 AND SECTION 09, TOWNSHIP 44, RANGE 25 DETAILS & SWPPP	 Environmental Consulting & Technology, Inc. 4100 Center Pointe Drive, Suite 112 Fort Myers, Florida 33916 Phone: (239) 277-0003 CM#5520	DESIGNED BY: BVS DRAWN BY: DSV REVIEWED BY: RMC CHECKED BY: JG FILE NAME: 10/09/07 JOB #:	APPROVED:	DATE: 3/17/2009	RECEIVED FOR IN COMMENTS DATED: JANUARY 28, 2009	REVISIONS	DATE

"PROJECT NOTES"

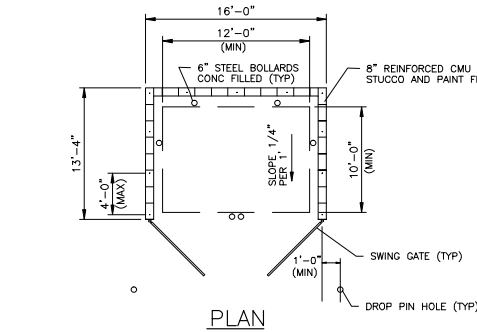
1. BASE DRAWING INFORMATION TAKEN FROM SURVEY BY TIMOTHY LEE MANN, PLS., FL. L.S. #5836, METRON SURVEYING AND MAPPING, INC. (LS-7071) DATED 07-24-08. THIS DRAWING IS NOT INTENDED TO REPRESENT A BOUNDARY SURVEY AS DEFINED BY FLORIDA STATUTE.
2. ELEVATIONS SHOWN HEREON ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD 1989) AND REFER TO ON-SITE BENCHMARKS IN THE SE 1/4 OF SECTION 8 & THE SW 1/4 OF THE SW 1/4 OF SECTION 9, ESTABLISHED BY METRON SURVEYING & MAPPING, LLC.
3. PARCEL APPEARS TO LIE IN FLOOD ZONE "A8" WITH A BASE FLOOD ELEVATION OF +12'. THIS INFORMATION WAS TAKEN FROM FLOOD INSURANCE RATE MAP NO. 125106, PANEL 0010B, EFFECTIVE DATE: NOVEMBER 15, 1984.
4. THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION UNLESS SO NOTED AND SIGNED AND SEALED BY THE ENGINEER OF RECORD.
5. THIS PROJECT PRESENTS NO ADVERSE IMPACTS ON LOCAL SURFACE OR GROUNDWATERS.
6. THERE WILL BE NO IMPROVEMENTS TO ANY OFF-SITE ROADWAYS AS PART OF THIS PROJECT.
7. VEGETATION NOTE, IN ACCORDANCE WITH THE PROVISIONS OF THE CITY OF FORT MYERS, ALL EXOTIC VEGETATION WILL BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INITIAL REMOVAL AND MAINTENANCE THEREOF THROUGH OUT THE PROJECT. THIS CONTRACTOR SHALL TAKE EXTREME CARE TO AVOID ANY DISTURBANCE TO SPWMD AND ACCE JURISDICTIONAL LANDS DURING THEIR CUSTODY AND CONTROL OF THE SITE. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE RESTORATION AND MITIGATION OF ANY UNAUTHORIZED JURISDICTIONAL IMPACTS RESULTING DIRECTLY OR INDIRECTLY FROM THEIR WORK PRODUCT AND ACTIVITY.
8. CONTRACTOR SHALL CLEAR AND GRUB SURFACE MATERIAL FOR ENTIRE FILL AREA PRIOR TO PLACEMENT OF FILL MATERIAL. UNACCEPTABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL AND STATE CODES.
9. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH APPLICABLE CITY OF FORT MYERS, SOUTH FLORIDA WATER MANAGEMENT DISTRICT, AND U.S. ARMY CORPS OF ENGINEERS REGULATIONS, AND PERMITS.
10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) UNLESS OTHERWISE SPECIFIED. ALL DETAILS PER FDOT-ROADWAY AND TRAFFIC DESIGNS (LATEST EDITION) UNLESS NOTED OTHERWISE.
11. ALL DISTURBED AREAS ARE TO BE SEED, SODDED OR OTHERWISE STABILIZED WITH APPROPRIATE GROUND COVER IN ACCORDANCE WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWP3) PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE CITY WITH A COPY OF THE SWP3 PRIOR TO CONSTRUCTION.
12. BLASTING FOR CONSTRUCTION IS NOT ANTICIPATED AND, IF REQUIRED, BLASTING WILL NOT BE PERMITTED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE PROJECT ENGINEER.
13. DURING CONSTRUCTION, IF ANY PORTUNTIOUS (HISTORICAL OR ARCHAEOLOGICAL) FINDS ARE OBSERVED, ALL WORK SHALL CEASE IN THE AREA. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE PROJECT ENGINEER WHO WILL NOTIFY THE CITY OF FORT MYERS. EXAMPLES MAY INCLUDE FRAGMENTS OF STONE TOOLS, SHELLS, SHELL TOOLS, POTTERY, GLASS, BOTTLES, ANIMALS, BONES, BUILDING FOUNDATIONS, SHELL MOUNDS OR SAND MOUNDS. THE CITY OF FORT MYERS WILL ASSESS THE SIGNIFICANCE OF THE FINDS IN A TIMELY MANNER.
14. IF ANY HUMAN SKELETAL REMAINS (UNMARKED BURIALS) ARE FOUND, ALL WORK IN THE AREA MUST STOP AND THE NEAREST LAW ENFORCEMENT OFFICE SHALL BE IMMEDIATELY NOTIFIED. ACCORDING TO STATE LAW (F.S. 872.05), IT IS UNLAWFUL TO DAMAGE OR DESTROY A HUMAN BURIAL SITE. THE CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT SHALL ALSO BE NOTIFIED.
15. CONTRACTOR SHALL CONTACT PROJECT ENGINEER PRIOR TO THE INITIATION OF ANY DEVIATION FROM THE APPROVED PLANS. NO SUCH DEVIATION SHALL BE AUTHORIZED WITHOUT PRIOR WRITTEN APPROVAL BY THE PROJECT ENGINEER.
16. CONTRACTOR SHALL REMOVE ANY HARDPAN EXISTING BENEATH THE PROPOSED STORM WATER TREATMENT AREAS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF ALL UNUSED MATERIALS AND DEBRIS FROM THE SITE.
18. ENDWALL DIMENSIONS, LOCATIONS AND POSITIONS ARE FOR ROUND AND ELLIPTICAL CONCRETE PIPE AND PIPE-ARCH CORRUGATED METAL PIPE.
19. FRONT SLOPE AND DITCH TRANSITIONS SHALL BE IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 280.
20. ENDWALLS MAY BE CAST IN PLACE OR PRECAST CONCRETE. REINFORCING STEEL SHALL BE GRADES 40 OR 60. ADDITIONAL REINFORCEMENT NECESSARY FOR HANDLING PRECAST UNITS SHALL BE DETERMINED BY THE CONTRACTOR OR THE SUPPLIER. COST OF REINFORCEMENT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE (ENDWALLS).
21. ALL EXPOSED CORNERS AND EDGES OF CONCRETE ARE TO BE CHAMFERED 3/4".
22. CONCRETE MEETING THE REQUIREMENTS OF ASTM C-478 (4000PSI) MAY BE USED IN PRECAST ITEMS MANUFACTURED IN PLANTS WHICH ARE UNDER THE FDOT STANDARD OPERATING PROCEDURES FOR THE INSPECTION OF PRECAST DRAINAGE PRODUCTS.
23. ON DITCH AND SWALE SLOPES FLATTER THAN 1-1/2:1, CONSULT WITH PROJECT ENGINEER REGARDING TRANSITION AREA TO THE FLATTER SLOPE.
24. FOR SODDING AROUND ENDWALLS SEE FDOT STD. INDEX NO. 281.
25. PIPE LENGTH PLAN QUANTITIES SHALL BE BASED ON THE PIPE END LOCATIONS SHOWN IN THE STANDARD LOCATION CONTROL END VIEW, OR LENGTHS BASED ON SPECIAL ENDWALL LOCATIONS CALLED FOR IN THE PLANS.
26. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR EACH INLET OR OTHER STRUCTURE OR DEVICE AS APPROPRIATE FOR REVIEW AND WRITTEN APPROVAL BY THE PROJECT ENGINEER PRIOR TO FABRICATION. ALL INLETS ARE TO BE PROVIDED WITH STEEL GRATES PER FDOT STANDARD INDEX.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES(S) TO ADJACENT ROADWAYS, PRESERVE AREAS, NATURAL AREAS AND WATERWAYS RESULTING FROM THEIR EFFORT OR THAT OF THEIR SUB-CONTRACTORS. ALL DAMAGES(S) SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE PROJECT ENGINEER AT NO ADDITIONAL PAY.
28. CONTRACTOR SHALL MAINTAIN A CURRENT AND UPDATED SET OF AS-BUILT DRAWINGS AT ALL TIMES AND PROVIDE ONE (1) COPY TO THE PROJECT ENGINEER UPON COMPLETION OF CONSTRUCTION.
29. ALL EXISTING MONUMENTATION SHALL BE PROTECTED. IF MONUMENTATION IS DISTURBED OR DESTROYED, IT SHALL BE REPLACED AFTER CONSTRUCTION IS COMPLETE, TO REQUIRED ACCURACY, BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER (P.S.M.) AT CONTRACTOR'S EXPENSE. IF MONUMENTATION IS IN DANGER OF BEING DISTURBED OR DESTROYED, IT SHALL BE REFERENCED AND REPLACED AFTER CONSTRUCTION IS COMPLETE BY A FLORIDA LICENSED P.S.M., AT CONTRACTOR'S EXPENSE.

"PROJECT NOTES (con't)"

30. CONTRACTOR SHALL COORDINATE ANY AND ALL WORK IN THE RIGHT-OF-WAY WITH THE CITY OF FORT MYERS PUBLIC WORKS DEPARTMENT.
31. CONTRACTOR SHALL SUBMIT A CONSTRUCTION TRAFFIC CONTROL PLAN TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO MOBILIZATION. ALLOW 7 DAYS FOR REVIEW BY THE CITY.
32. CONTRACTOR SHALL SUPPLY SATISFACTORY DENSITY TESTS (1 PER 300 LINEAR FEET) OF SUB-BASE AND LIMEROCK AREAS TO PROJECT ENGINEER PRIOR TO PAYMENT AND/OR FINAL ACCEPTANCE.
33. SOIL AND CONCRETE TESTING WILL BE REQUIRED. BACKFILL TESTING SHALL BE DONE IN ACCORDANCE WITH SECTION 125-8, FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) UNLESS OTHERWISE SPECIFIED. SOIL COMPACTION SHALL BE BASED UPON THE MODIFIED PROCTOR (AASHTO T-180). GENERALLY, 95% OF MAXIMUM PROCTOR OUTSIDE PAVED AREAS AND 98% OF MAXIMUM PROCTOR WITHIN PAVED AREA SHALL BE OBTAINED. CONTRACTOR SHALL COORDINATE SCHEDULING OF TEST WITH THE PROJECT ENGINEER. COPIES OF ALL REPORTS SHALL BE SUBMITTED TO THE WITHIN 48 HOURS OF RECEIPT.
34. THE CONTRACTOR SHALL PROTECT, PRESERVE AND PROVIDE ANY AND ALL NECESSARY TEMPORARY BRACING FOR ALL TREES INSTALLED AT THE SITE.
35. SURFACES MUST VARY EVENLY AND SMOOTHLY BETWEEN GRADES, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. A 2 1/2" ALLOWANCES (OVER EXCAVATION) MUST BE PROVIDED FOR ALL SLOTTED AREAS FROM THAT SHOWN AS FINISHED GRADE TO THE TOP OF SOD.
36. IF A REQUIRED DIMENSION IS NOT SHOWN OR A DISCREPANCY IS FOUND ON THE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER PRIOR TO COMMENCING THAT PART OF THE AFFECTED CONSTRUCTION.
37. PIPE & INLET NOTES: ALL CULVERTS AND STORM SEWER PIPES SHALL BE REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED ON THE PLANS. ALL RCP MUST CONFORM TO CLASS III (ASTM C76) FOR ROUND PIPE AND CONFORM TO TABLE 1 FOR CLASS HE-III (ASTM C507) FOR ELLIPTICAL PIPE. LIFTING HOLES SHALL NOT BE PERMITTED IN ELLIPTICAL PIPE. PIPE JOINTS MUST USE RUBBER GASKETS (ROUND) OR PREFORMED PLASTIC (ELLIPTICAL). GASKET MATERIAL SHALL BE RAY KEX AS MANUFACTURED BY K.T. SNYDER CO. EACH JOINT SHALL BE TRIPLE WRAPPED WITH FILTER FABRIC OVER MASTIC.
38. ALL HEAD WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD INDEX 250 WHILE ALL MITERED-END SECTIONS SHALL BE 4:1 (H:V), UNLESS OTHERWISE SHOWN PER FDOT STANDARD INDEX #272 & #273.
39. ALL PROPOSED CATCH BASIN TOPS (CONCRETE WALLS, NOT GRATES) SHALL BE PAINTED "HUNTER GREEN" AFTER CONSTRUCTION. ALL PAINTING TO BE TWO (2) COATS HEAVY DUTY ACRYLIC BASED TRAFFIC PAINT. THE WORDS "CAUTION, DRAINS TO CREEK" OR AS APPROVED BY CITY STAFF SHALL BE SIMILARLY PAINTED IN YELLOW IN 2" HIGH LETTERING ON TWO OPPOSITE SIDES OF THE INLET TOP.
40. MAINTENANCE OF TRAFFIC (MOT) SHALL FOLLOW THE MUTCD AND F.D.O.T. STANDARD INDEX "600 SERIES" PROCEDURES, INCLUDING ANY FLAGGING.
41. ASPHALT PAVEMENT MATERIAL SHALL BE PRODUCED BY AN F.D.O.T. CERTIFIED SOURCE AND TESTED PER F.D.O.T. SPECIFICATIONS.
42. ALL PAVEMENT MARKINGS MUST BE F.D.O.T. APPROVED THERMOPLASTIC MATERIAL. ALL SIGNS, PAVEMENT MARKINGS, AND REFLECTIVE PAVEMENT MARKINGS MUST BE INSTALLED PER STANDARD INDEX #17352.
43. ALL CONCRETE WILL BE PER FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) SECTION 345. WALKS SHALL BE CLASS I, 3000 PSI MIN. UNLESS OTHERWISE NOTED. NO WATER SHALL BE ADDED TO READY MIX TRUCK IN THE FIELD WITHOUT PRIOR WRITTEN INSTRUCTIONS.
44. VERTICAL SAW CUTS THROUGH EXISTING LIMEROCK ARE REQUIRED WHERE NEW PAVEMENT MATCHES TO EXISTING PAVEMENT.
45. EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURBS AND CONCRETE PAVEMENT ONLY.
46. WHEEL STOPS SHALL CONFORM TO STANDARD INDEX 300 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST EDITION.
47. ALL FENCING SHALL BE MINIMUM 6' HIGH CHAIN LINK WITH GREEN VINYL COVERING. GATES SHALL BE AS NOTED ON PLAN SET.
48. ALL DISTURBED AREAS OUTSIDE THE CONSTRUCTION AREA SHALL BE RESTORED TO THEIR ORIGINAL OR BETTER CONDITIONS.
49. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATION OF ALL UTILITIES BEFORE CONSTRUCTION. UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE CITY PROJECT MANAGER. THE CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGES INCURRED TO ANY UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNERS AT LEAST 72 HOURS PRIOR TO BEGINNING WORK AROUND THE UTILITIES.
50. BENCHMARKS WILL BE ESTABLISHED WITHIN 100' OF EACH STRUCTURE OR GROUP OF STRUCTURES BY A FLORIDA STATE LICENSED PROFESSIONAL SURVEYOR & MAPPER.
51. ALL PRODUCTS SPECIFIED WITHIN THE PLANS MAY BE SUBSTITUTED WITH ALTERNATE PRODUCTS THAT ARE EQUAL TO OR BETTER THAN THOSE SPECIFIED, UPON THE APPROVAL OF THE CITY'S PROJECT MANAGER.

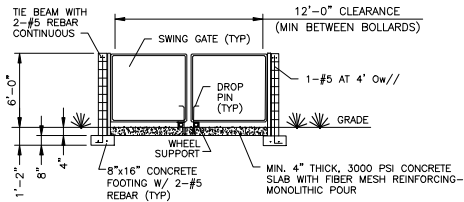


PROPOSED WEIR - ELEVATION VIEW (N.T.S.)



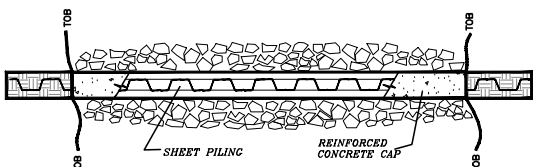
PLAN

NOTE:
1. PROVIDE ONE 12" SWING GATE OR TWO 5" GATES W/STOP(S) (WHEELS ON ALL GATES)

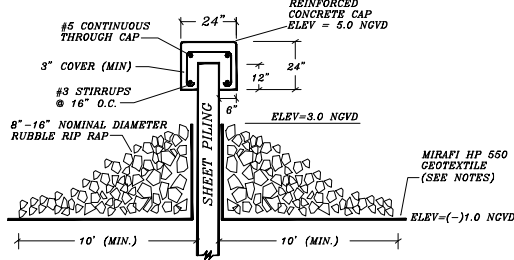


ELEVATION
DUMPSTER ENCLOSURE DETAIL
N.T.S.

DRAWING: CFM DETAIL 5.1-06

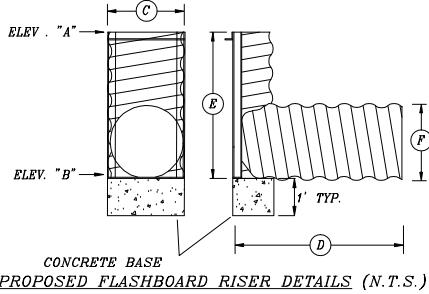


PROPOSED WEIR - PLAN VIEW (N.T.S.)

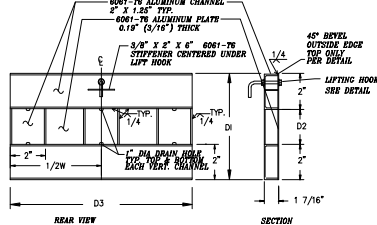


PROPOSED WEIR - SECTION VIEW (N.T.S.)

CULVERT AND FLASHBOARD RISER TABLE					
RISER TABLE	S-2	S-3	S-4	S-4	S-5
NUMBER OF BARRELS	4	6	5	3	8
CULVERT TYPE	ERCP	CMP	CMP	CMP	CMP
ELEV. "A" (TOP OF RISER)	N/A	7.0	N/A	N/A	N/A
ELEV. "B" (INVERT ELEVATION)	0.0	1.0	2.5	2.5	2.0/1.5
Ⓢ RISER SIZE (DIA)	N/A	30"	N/A	N/A	N/A
Ⓣ PIPE LENGTH	80	100'	90'	95'	65'
Ⓤ RISER HEIGHT	N/A	72"	N/A	N/A	N/A
Ⓦ CULVERT SIZE (DIA)	49X32	24"	30"	30"	30"
END TREATMENT	HW	MES	MES	MES	MES

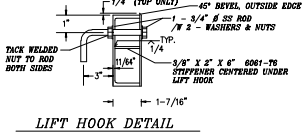


CONCRETE BASE
PROPOSED FLASHBOARD RISER DETAILS (N.T.S.)

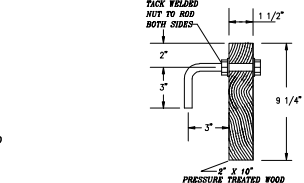


ALUMINUM DOOR DETAIL

- NOTES
1. THIS PROJECT REQUIRES FABRICATION OF 12 ALUMINUM DOORS EACH AT 14" HIGH AND 24" PT. BOARDS AS SHOWN. SEE DETAILS ON THIS SHEET FOR DIMENSIONING INFORMATION.
 2. THESE DOOR ARE TO FIT INTO A VERTICAL FLASHBOARD RISERS AT THE PROPOSED CITY OF FORT MYERS BILLY CREEK FILTER MARSH PROJECT AND ARE DESIGNED TO HOLD AGAINST 6' OF HEAD



LIFT HOOK DETAIL



P.T. BOARD DOORS

DATE: 07/20/09
DESIGNED BY: J. L. CANNON
DRAWN BY: J. L. CANNON
CHECKED BY: J. L. CANNON
APPROVED BY: J. L. CANNON

APPROVED: P.M. EDWARDS
FLORIDA P.E. #16590
WATER AND ENVIRONMENTAL

DESIGNED BY: BSV
DRAWN BY: DVS
REVIEWED BY: RME
DATE: 10/09/07
FILE NAME: JOB #:
BILLY CREEK FILTER MARSH PARK
CITY OF FORT MYERS, FLORIDA
SECTION 08, TOWNSHIP 44, RANGE 25 AND SECTION 09, TOWNSHIP 44, RANGE 25
NOTES & SPECIFICATIONS

SCALE: N.T.S.
SHEET: C-05