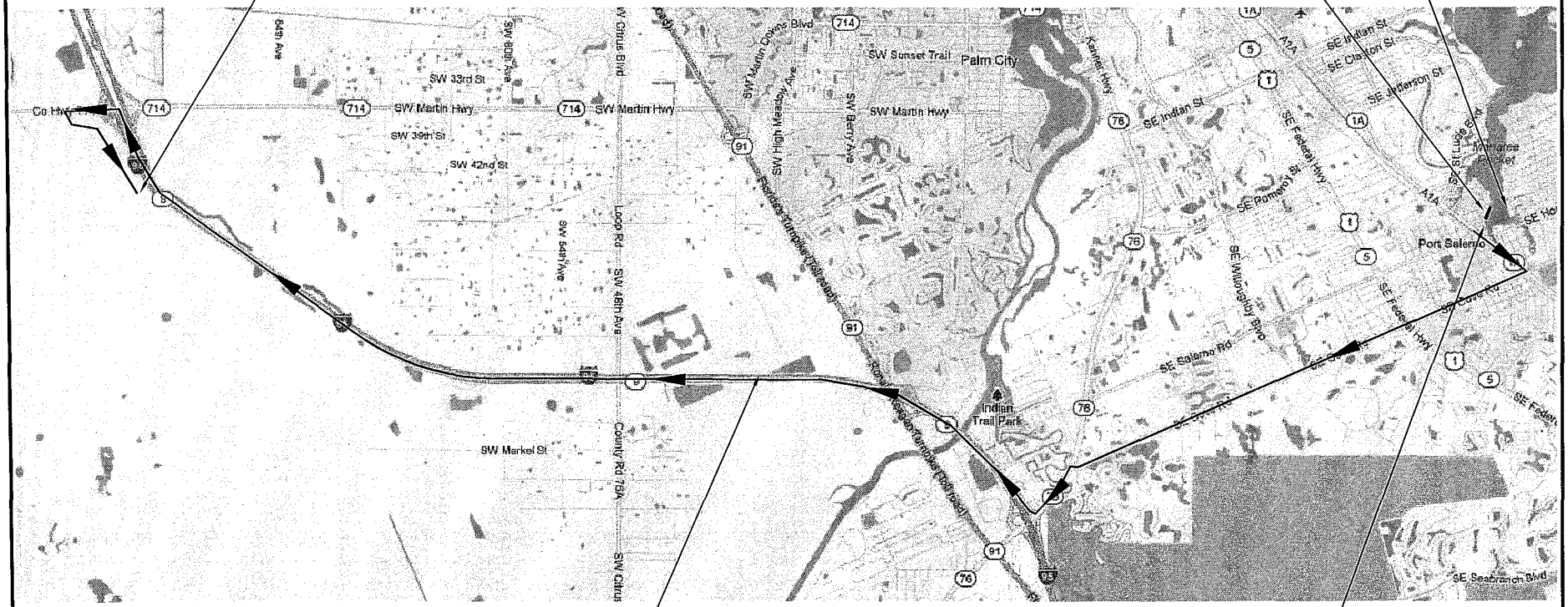

EXHIBIT B

MATERIAL DISPOSAL PLAN

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY
MARTIN COUNTY, FLORIDA

The MilCor Group, Inc.
6526 South Kanner Hwy, #236, Stuart, Fl. 34997
Ph: (772)223-8850 Fax: (772) 223-8851
Web: www.themilcorgroup.com
Certificate of Authorization: 28246

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	Date:	Revision:	By
7			
6			
5			
4			
3			
2			
1			

Designed:	M.G.C.	3-2-11
Drawn:	A.T.	3-2-11
Checked:	M.G.C.	3-2-11
Approved:	M.G.C.	3-2-11

Date: 3-2-11
Project: M0505
File: M0505 base 6-21-11.dwg

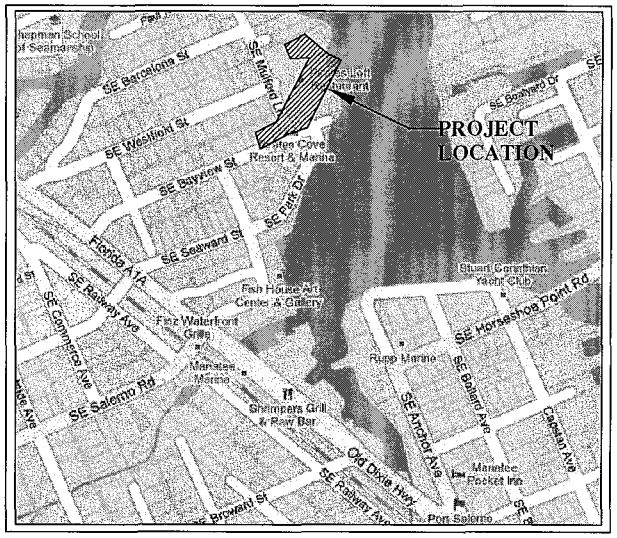
Melissa G. Corbett, P.E.
Oct 08 2012
No. 59292

ENGINEERING PLANS AND SPECIFICATIONS FOR

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS

SECTION 51, TOWNSHIP 38 SOUTH, RANGE 41 EAST
MARTIN COUNTY, FLORIDA

No.	Date	Revision	By
1	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
2	8-16-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
3	10-12-11	90% ROADWAY PLAN PER COUNTY STAFF	A.T.
4	2-6-12	REVISED SET TO SHOW DOCK IMPROVEMENTS ONLY	A.T.
5	5-23-12	REVISED PER FDEP COMMENTS	A.T.



LOCATION MAP

SHEET INDEX

SHEET NUMBER	SHEET TITLE/DESCRIPTION
1	COVER
2	PHASING PLAN
3	DEMOLITION/EROSION CONTROL PLAN
4	DREDGING PLAN
5	DOCK LAYOUT PLAN
6	UTILITY PLAN
7	DOCK DETAILS
8-10	UTILITY DETAILS

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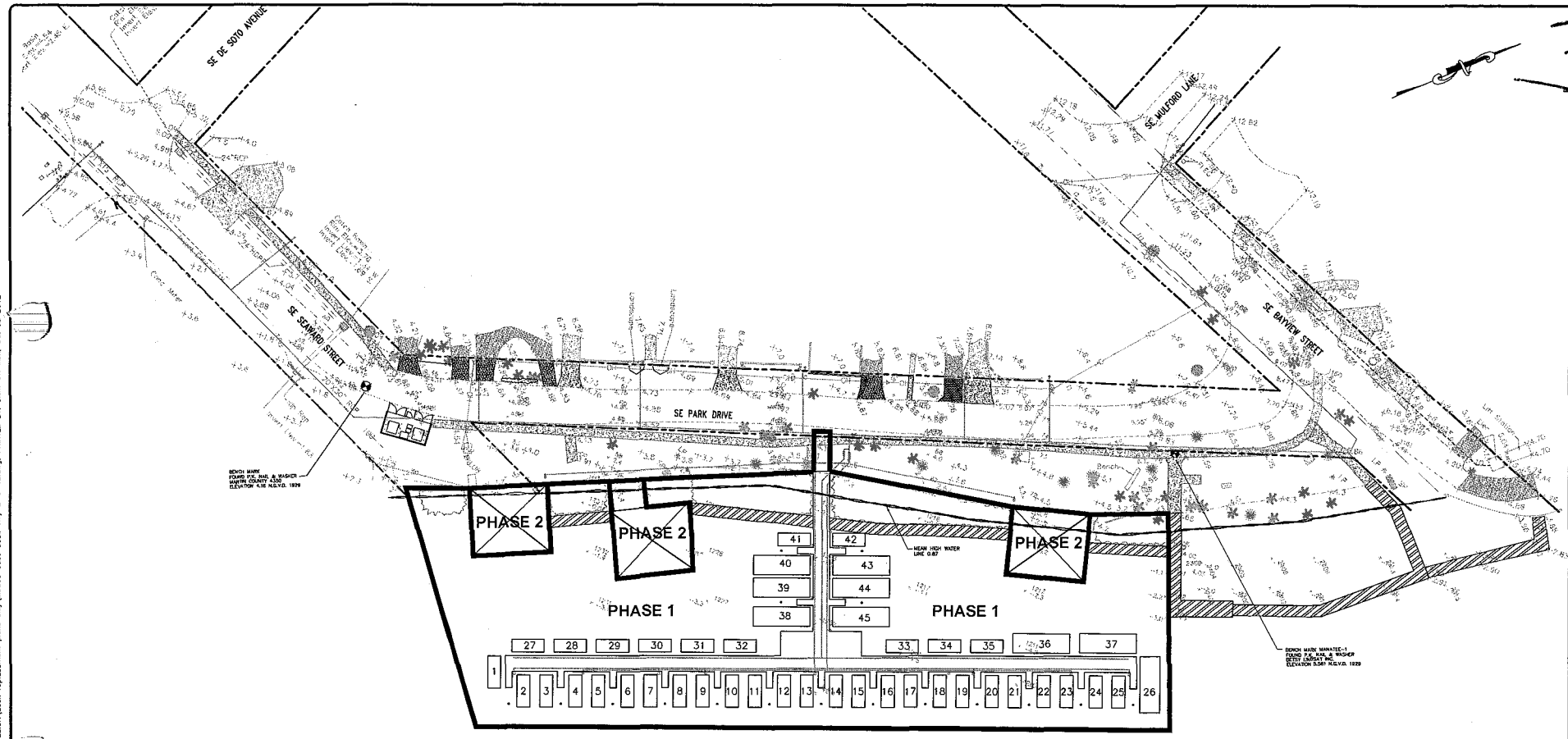
Oct 08 2012
No. 59292



PHASE 1

REMOVE SMALL DOCKS, DREDGE, BUILD NEW DOCKS, CONSTRUCT UTILITIES.

PHASE 2

REMOVE AND CONSTRUCT PLATFORMS.

ELEVATIONS SHOWN ARE IN N.G.V.D. 29.

No.	Date	Revisions	By
1	5-23-12	REVISED PER TRCP COMMENTS	A.T.
2	2-6-12	REVISED SET TO SHOW REVISED SEAWARD DOCK	A.T.
3	10-12-11	SOE ROADWAY PLANS PER COUNTY STAFF	A.T.
4	9-16-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
5	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.

Designed: M.G.C. 6-28-11
Drawn: A.T. 6-28-11
Checked: M.G.C. 6-28-11
Approved: M.G.C. 6-28-11
Date: 6-28-11
Project: M0505
File: M0505 base dock only 2-6-12.dwg
Melissa G. Corbett, P.E.
Oct 08 2012
No. 58292

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1 inch = 100 ft.
(IN FEET)
100 0 100 200

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Web: www.themilcorgroup.com
Certificate of Authorization 28820

PHASING PLAN

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS

MARTIN COUNTY, FLORIDA

Sheet No.
2
of
10

J:\M05 Martin County\M0505 Port Salerno Commercial Fishing Dock Authority\DWG\DESIGN\dock replacement plans only\M0505 base dock only 2-6-12.dwg, PRINTED By: alex1 ON Mon, Oct 08 2012

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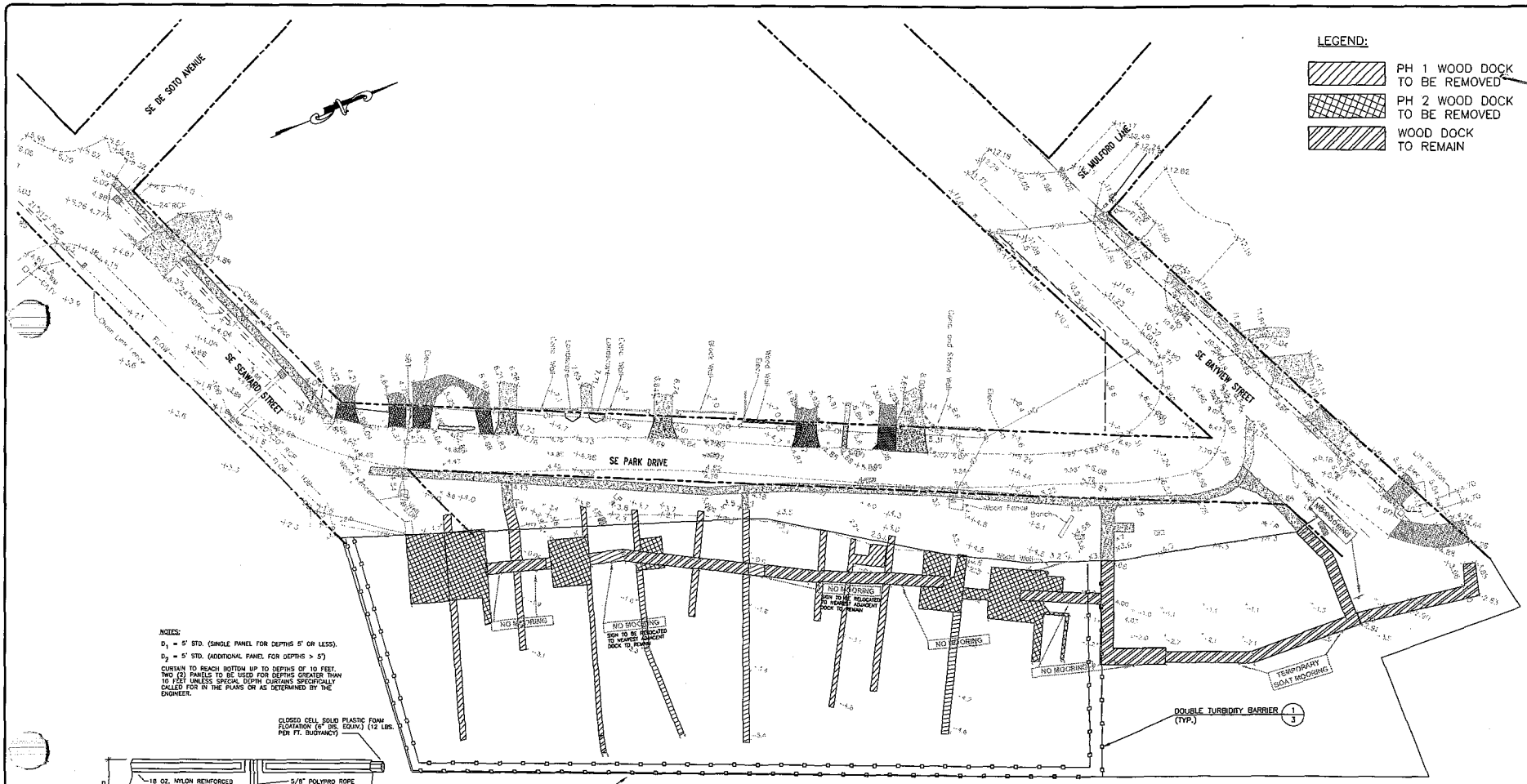
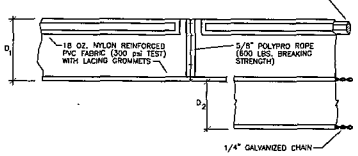


NOTES:

D_1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).

D_2 = 5' STD. (ADDITIONAL PANEL FOR DEPTHS > 5')

CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.



APPLICATION NOTES:

1. ALL EROSION AND SEDIMENTATION CONTROL FACILITIES TO BE INSPECTED BY THE CONTRACTOR DAILY AND ANY DAMAGED OR DEFICIENT AREAS TO BE REPAIRED IMMEDIATELY. EROSION AND SEDIMENTATION CONTROL FACILITIES TO REMAIN IN PLACE UNTIL FINAL INSPECTION AND CERTIFICATION OF COMPLETION OF CONSTRUCTION.
2. CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH MARTIN COUNTY MINIMUM DESIGN AND CONSTRUCTION STANDARDS AND F.D.O.T. ROAD AND BRIDGE STANDARDS.
3. CONSTRUCT PRESERVE AREA BARRICADES AND SILT FENCE AT 5' OFFSET FROM PRESERVE BOUNDARIES.
4. ALL CONSTRUCTION BARRICADES AND SILT FENCES WILL REMAIN IN PLACE AND BE MONITORED FOR COMPLIANCE BY THE PERMIT HOLDER DURING THE PERMITTED DEVELOPMENT ACTIVITIES.
5. SOIL STABILIZATION SHALL BE COMPLETED WITHIN 30 DAYS OF VEGETATION REMOVAL.
6. FOLLOWING CERTIFICATION OF OCCUPANCY FOR THE DEVELOPMENT, ALL BARRICADE AND EROSION CONTROL DEVICES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
7. IT SHALL BE UNLAWFUL TO ALTER THE APPROVED SLOPES, CONTOURS, OR CROSS SECTIONS OR TO CHEMICALLY, MECHANICALLY, OR MANUALLY REMOVE, DAMAGE, OR DESTROY ANY PLANTS IN THE LITTORAL OR UPLAND TRANSITION ZONE BUFFER AREAS OF CONSTRUCTED LAKES EXCEPT UPON THE WRITTEN APPROVAL OF THE PLANNING AND DEVELOPMENT SERVICES DIRECTOR, AS APPLICABLE. IT IS THE RESPONSIBILITY OF THE OWNER OR PROPERTY OWNERS ASSOCIATION, ITS SUCCESSORS OR ASSIGNS TO MAINTAIN THE REQUIRED SURVIVORSHIP AND COVERAGE OF THE RECLAIMED UPLAND AND PLANTED LITTORAL AND UPLAND TRANSITION AREAS AND TO ENSURE ON-GOING REMOVAL OF PROHIBITED AND INVASIVE NON-NATIVE PLANT SPECIES FROM THESE AREAS. (CODE 4.343.A.13. LDR)
8. ALL BARGES AND/OR IN-WATER EQUIPMENT MUST BE STATIONED WITHIN THE PROPOSED TURBIDITY BARRIER(S) WHILE WORKING.

TURBIDITY BARRIER (1)

No.	Date:	Revision	By
1	5-23-12	REVISED PER PRDP COMMENTS	A.T.
2	2-6-12	REVISED SITE PLAN TO SHOW DOCK REMOVAL	A.T.
3	10-12-11	SOIL ROADWAY PLANS PER COUNTY STAFF	A.T.
4	8-16-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
5	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.

Designed:	M.G.C.	5-25-11
Drawn:	A.T.	5-25-11
Checked:	M.G.C.	5-25-11
Approved:	M.G.C.	5-25-11
Date: 5-25-11		
Project: W0505		
File: W0505 base dock only 2-6-12.dwg		
By:		

Melissa G. Corbett, P.E.
Oct 08 2012
No. 59292

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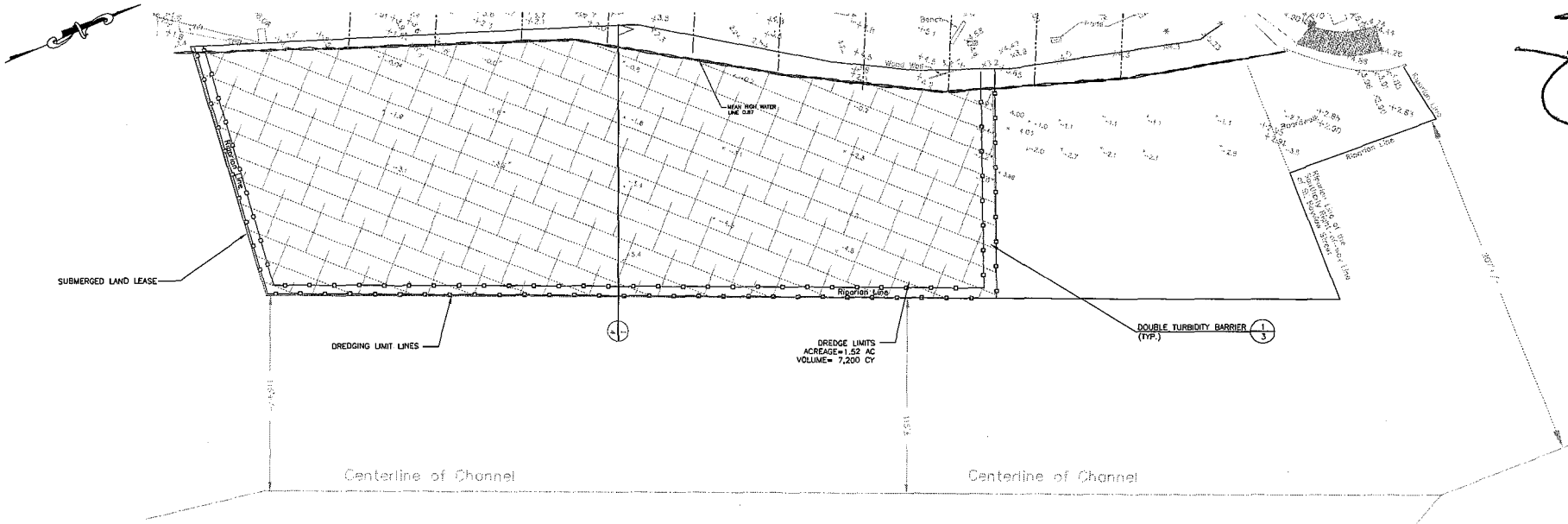
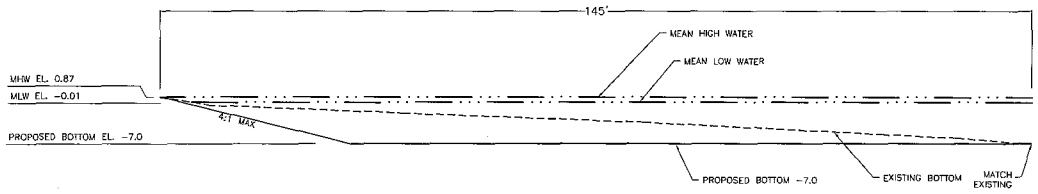
Ph: (772)223-8850 Fax: (772) 225-8851
Web: www.themilcorgroup.com
Certificate of Authorization: 28245

DEMOLITION/EROSION CONTROL PLAN
PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS
MARTIN COUNTY, FLORIDA

Sheet No. 3 of 10





1 SECTION
SCALE 1"=10'

NOTES:

1. ALL WORK PROPOSED SHALL BE WITHIN THE EXISTING SUBMERGED LAND LEASE AREA.
2. ALL BARGES AND/OR IN-WATER EQUIPMENT MUST BE STATIONED WITHIN THE PROPOSED TURBIDITY BARRIER(S) WHILE WORKING.

ELEVATIONS SHOWN ARE IN N.G.V.D. 29.

No.	Date	Revision	By
1	5-23-12	REVISED PER TRDP COMMENTS	A.T.
2	2-6-12	REVISED PER COMMENTS RECEIVED FROM TRDP DOCK REPLACEMENT PLAN	A.T.
3	10-12-11	90% ROADWAY PLANS PER COUNTY STAFF	A.T.
4	8-18-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
5	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.

Designed: M.C.G. 6-28-11
Drawn: A.T. 6-28-11
Checked: M.C.G. 6-28-11
Approved: M.C.G. 6-28-11
Date: 6-28-11
Project: M0505
File: M0505 base dock only 2-6-12.dwg

Melissa G. Corbett, P.E.
Oct 08 2012
No. 59252

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(IN FEET)
1 inch = 100 ft.

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Ph: (772)223-8850 Fax: (772) 220-8851
Web: www.themilcorgroup.com
Certificate of Authorization #28018

DREDGING PLAN

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS

MARTIN COUNTY, FLORIDA

Sheet No.
4
of
10

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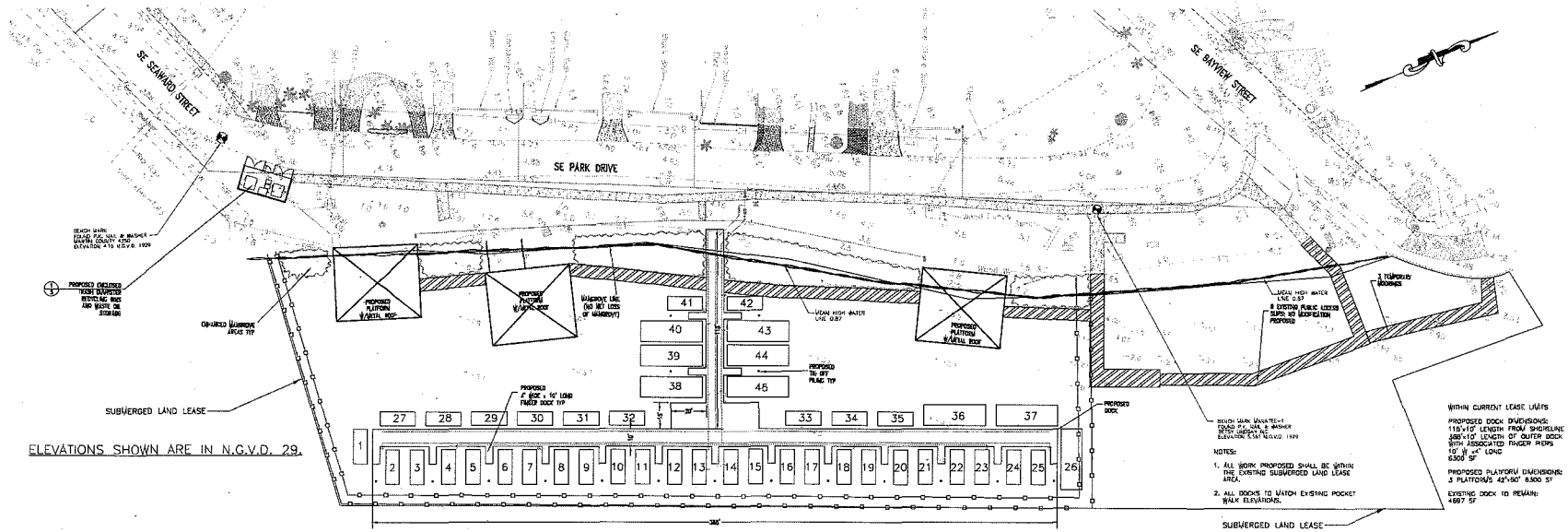
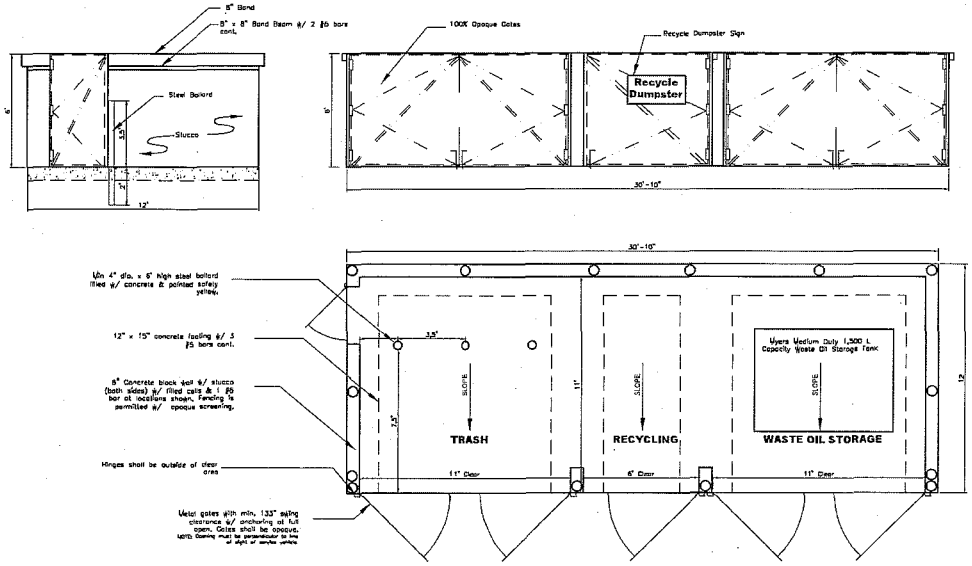
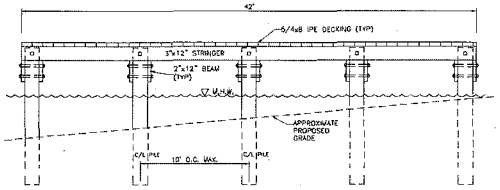




DUMPSTER 1



TYPICAL PLATFORM SECTION 2

No.	Date	Revision
1	5-23-12	REVISED PER FWC COMMENTS
2	2-6-12	REVISED SET TO SHOW DOCK DIMENSIONS ONLY
3	10-12-11	SUBK PROGRAM PLANS PER COUNTY STAFF
4	8-16-11	PER MARTIN COUNTY UTILITY COMMENTS
5	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS

Designed	M.G.C.	5-29-11
Drawn	A.L.	5-29-11
Reviewed	M.G.C.	5-29-11
Approved	M.G.C.	5-29-11
Date 6-29-11		
Project Mgr.	A.L.	
Project No.	A.L.	
File	A.L.	
Scale	Fig.	

Melissa G. Corbett, P.E.
Nov 09 2012
No. 56392

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MARINE ENVIR. DIR. DIVI. OF TOPOG. N.C.

SCALE 0 1 2 3 4 5 (IN FEET)
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8200 South Center Hwy, #205, Stuart, Florida 34997
Ph: 772-286-5400 Fax: 772-286-5401
Web: www.themilcorgroup.com
Certificate of Authorization: 26048

DOCK LAYOUT PLAN

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS

MARTIN COUNTY, FLORIDA

Sheet No. 5 of 10

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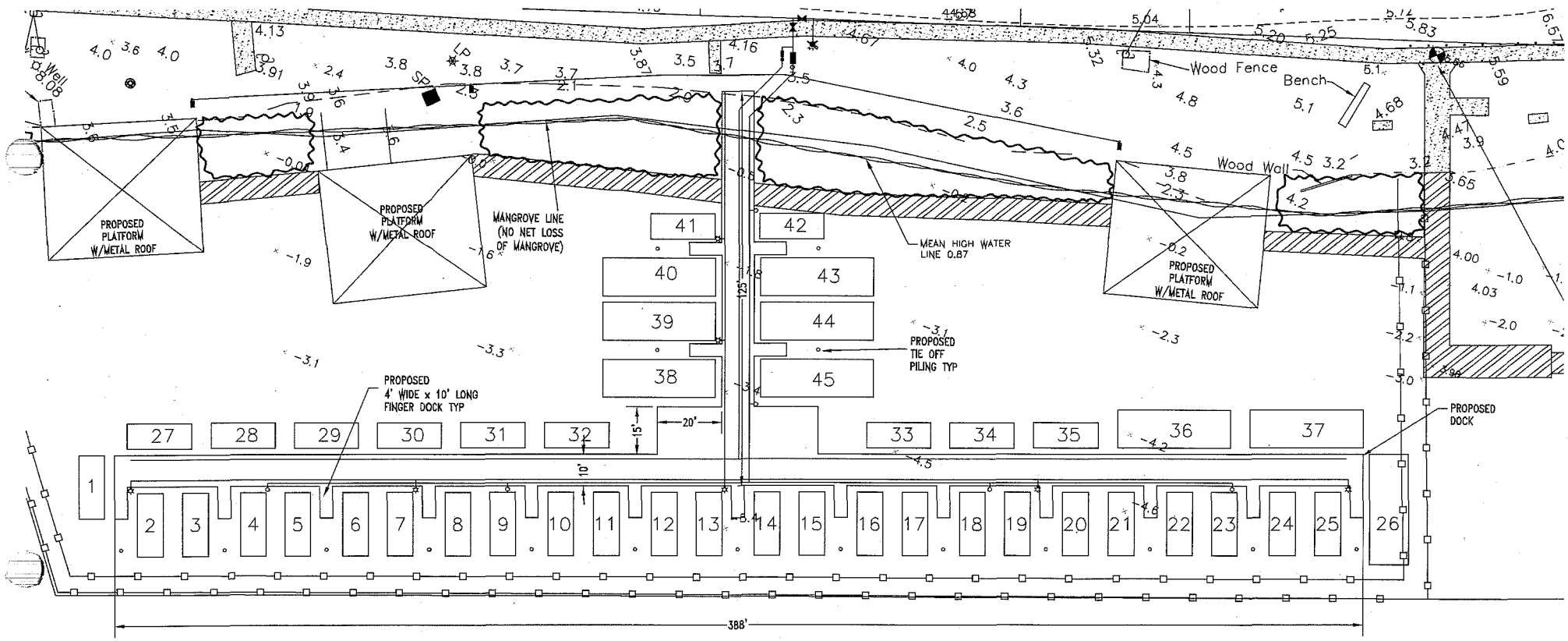
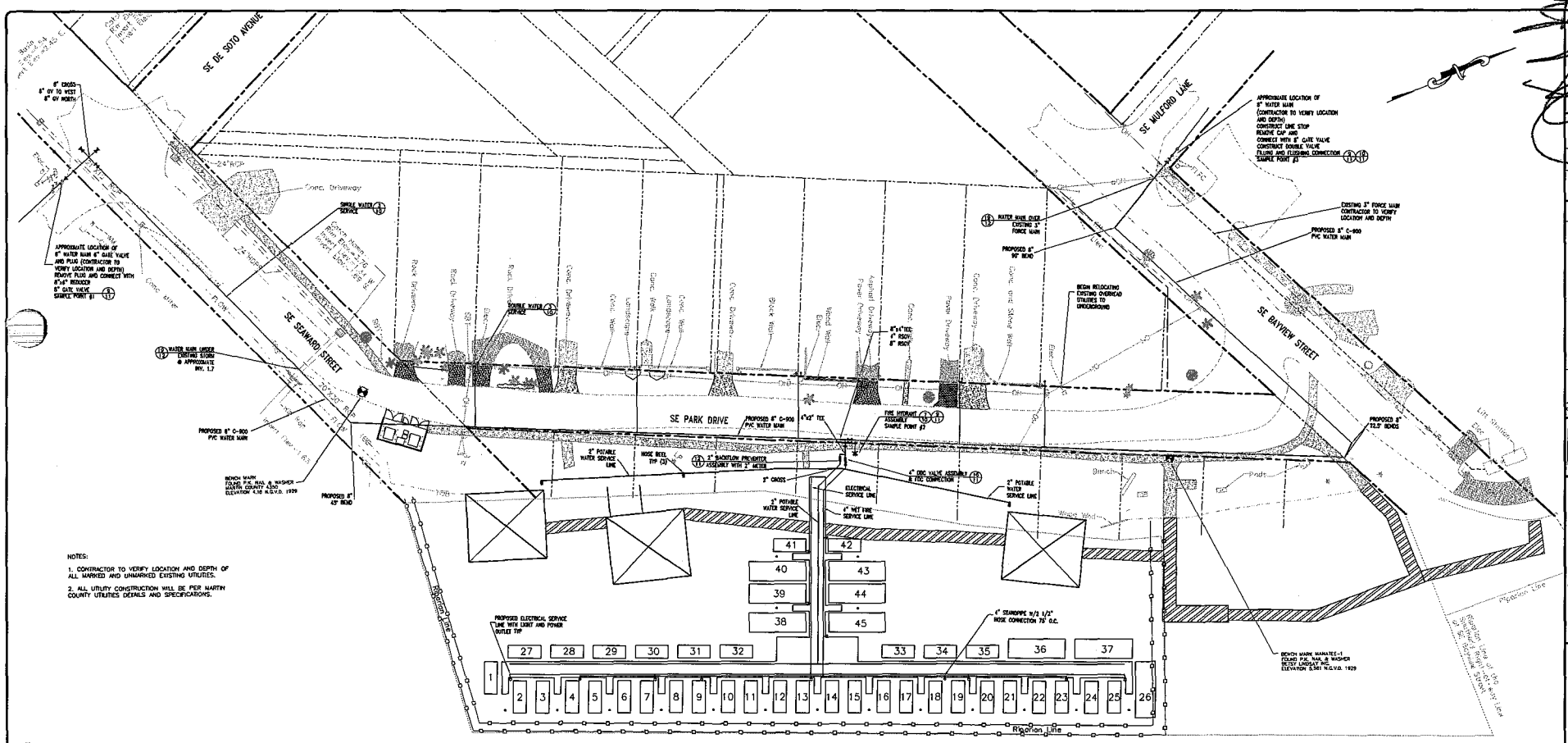


100% Opaque Gates

Recycle Dumpster Sign

J:\M05 Martin County\M0505 Port Salerno Commercial Fishing Dock Authority\DWG\DESIGN\dock replacement plans only\M0505 base dock only 2-6-12.dwg, PRINTED By: plant ON Mon, Oct 08 2012



NOTES:

1. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL MARKED AND UNMARKED EXISTING UTILITIES.

2. ALL UTILITY CONSTRUCTION WILL BE PER MARTIN COUNTY UTILITIES DETAILS AND SPECIFICATIONS.

ELEVATIONS SHOWN ARE IN N.G.V.D. 29.

No.	Date:	Revision	By
1	9-23-12	REVISED PER FDEP COMMENTS	A.T.
2	2-6-12	REVISED SET TO SHOW DOCK MODIFICATIONS ONLY	A.T.
3	10-12-11	90% ROADWAY PLANS PER COUNTY STAFF	A.T.
4	8-15-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
5	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.

Designed: M.C. 6-29-11
Drawn: A.T. 6-29-11
Checked: M.C. 6-29-11
Approved: M.C. 6-29-11
Date: 6-29-11
Project: M0505
File: M0505 base dock only 2-6-12.dwg

Melissa C. Corbett, P.E.
Oct 08 2012
No. 59292

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(IN FEET)
150 0 150 300

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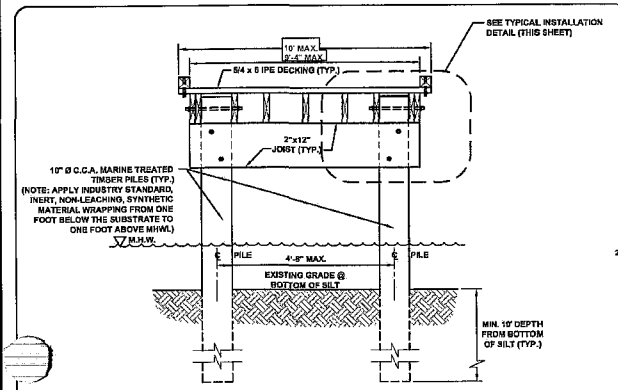
Ph: (772)223-8668 Fax: (772) 223-8651
Email: milcor@bellsouth.net
Certificate of Authorization: 30246

UTILITY PLAN

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS

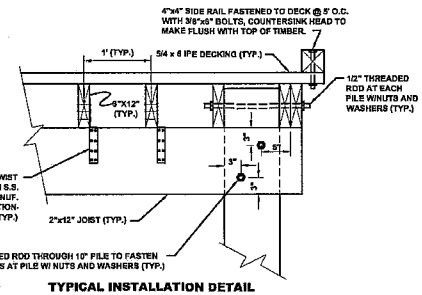
MARTIN COUNTY, FLORIDA

Sheet No. 6 of 10



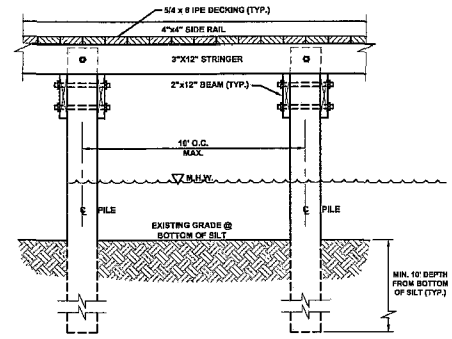
TYPICAL SECTION WITHOUT SIDE RAILS

N.T.S.



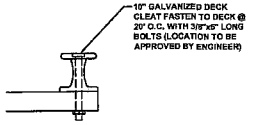
TYPICAL INSTALLATION DETAIL WITHOUT SIDE RAILS

N.T.S.



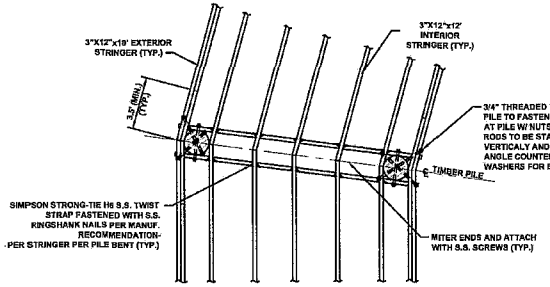
TYPICAL LONGITUDINAL SECTION WITHOUT SIDE RAILS

N.T.S.



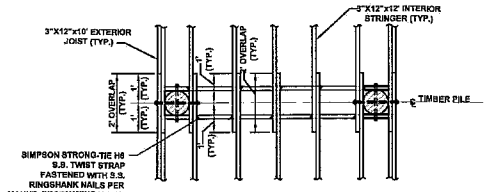
DECK CLEAT ALTERNATIVE

N.T.S.



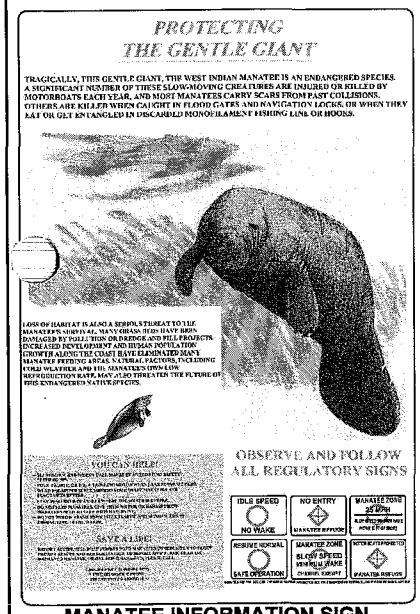
TYPICAL ANGLED CORNER JOIST SPLICING DETAIL

N.T.S.



TYPICAL 90° STRINGER CONNECTION PLAN

N.T.S.



MANATEE INFORMATION SIGN

STANDARD MANATEE CONSTRUCTION CONDITIONS
JUNE 2001

THE PERMITTEE SHALL COMPLY WITH THE FOLLOWING MANATEE PROTECTION CONSTRUCTION CONDITIONS:

A. THE PERMITTEE SHALL INSTRUCT ALL PERSONNEL ASSOCIATED WITH THE PROJECT OF THE POTENTIAL PRESENCE OF MANATEES AND THE NEED TO AVOID COLLISIONS WITH MANATEES. ALL CONSTRUCTION PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF MANATEE(S).

B. THE PERMITTEE SHALL ADVISE ALL CONSTRUCTION PERSONNEL THAT THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, OR KILLING MANATEES WHICH ARE PROTECTED UNDER THE MARINE MAMMAL PROTECTION ACT OF 1072, THE ENDANGERED SPECIES ACT OF 1973, AND THE FLORIDA MANATEE SANCTUARY ACT.

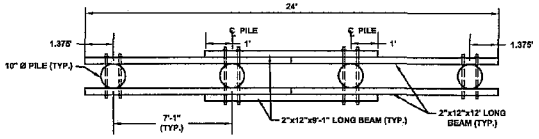
C. SILTATION BARRIERS SHALL BE MADE OF MATERIAL IN WHICH MANATEES CANNOT BECOME ENTANGLED, ARE PROPERLY SECURED, AND ARE REGULARLY MONITORED TO AVOID MANATEE ENTRAPMENT. BARRIERS MUST NOT BLOCK MANATEE ENTRY TO OR EXIST FROM ESSENTIAL HABITAT.

D. ALL VESSELS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL OPERATE AT "NO WAKE / IDLE" SPEEDS AT ALL TIMES WHILE IN THE CONSTRUCTION AREA AND WHILE IN WATER WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN A FOUR-FOOT CLEARANCE FROM THE BOTTOM. ALL VESSELS WILL FOLLOW ROUTES OF DEEP WATER WHENEVER POSSIBLE.

E. IF MANATEE(S) ARE SEEN WITHIN 100 YARDS OF THE ACTIVE DAILY CONSTRUCTION / DREDGING OPERATION OR VESSEL MOVEMENT, ALL APPROPRIATE PRECAUTIONS SHALL BE IMPLEMENTED TO ENSURE PROTECTION OF THE MANATEE. THESE PRECAUTIONS SHALL INCLUDE THE OPERATION OF ALL MOVING EQUIPMENT NO CLOSER THAN 50 FEET OF A MANATEE. OPERATION OF ANY EQUIPMENT CLOSER THAN 50 FEET TO A MANATEE SHALL NECESSITATE IMMEDIATE SHUTDOWN OF THAT EQUIPMENT. ACTIVITIES WILL NOT RESUME UNTIL THE MANATEE(S) HAS DEPARTED THE PROJECT AREA OF ITS OWN VOLITION.

F. ANY COLLISION WITH AND / OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FWC HOTLINE AT 1-889-404-FWCC. COLLISION AND / OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE IN JACKSONVILLE (1-904-232-2580) FOR NORTH FLORIDA OR VERO BEACH (1-772-562-3909) IN SOUTH FLORIDA.

G. TEMPORARY SIGNS CONCERNING MANATEES SHALL BE POSTED PRIOR TO AND DURING ALL CONSTRUCTION / DREDGING ACTIVITIES. ALL SIGNS ARE TO BE REMOVED BY THE PERMITTEE UPON COMPLETION OF THE PROJECT. A SIGN MEASURING AT LEAST 3 FT BY 4 FT, WHICH READS CAUTION: MANATEE AREA WILL BE POSTED IN A LOCATION PROMINENTLY VISIBLE TO WATER RELATED CONSTRUCTION CREWS. A SECOND SIGN SHOULD BE POSTED IF VESSELS ARE ASSOCIATED WITH THE CONSTRUCTION, AND SHOULD BE PLACED VISIBLE TO THE VESSEL OPERATOR. THE SECOND SIGN SHOULD BE AT LEAST 8 ½" BY 11" WHICH READS CAUTION: MANATEE HABITAT. IDLE SPEED IS REQUIRED IF OPERATING A VESSEL IN THE CONSTRUCTION AREA. ALL EQUIPMENT MUST BE SHUTDOWN IF A MANATEE CONES WITHIN 50 FEET OF OPERATION. ANY COLLISION WITH AND / OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FWC HOTLINE AT 1-888-404-FWCC. COLLISION AND / OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE IN JACKSONVILLE (1-904-232-2580) FOR NORTH FLORIDA OR VERO BEACH (1-772-562-3909) IN SOUTH FLORIDA.



2" x 12" BEAM SPLICING DETAIL

N.T.S.

CAUTION
MANATEE HABITAT

IDLE SPEED is required if operating a vessel in the construction area.
All Equipment must be SHUT DOWN if a manatee comes within 50 feet of operation.

Any collision with and/or injury to a manatee shall be reported immediately to the **FWC** at:
1-888-404-FWCC
(1-888-404-3922)

NOTES:

1. ALL WORK PROPOSED SHALL BE WITHIN THE EXISTING SUBMERGED LAND LEASE AREA.
2. ALL DOCKS TO MATCH EXISTING POCKET WALK ELEVATIONS.

No.	Date:	Revision:	By:
1	5-23-12	REVISED PER DEP COMMENTS	A.T.
2	2-6-12	REVISED SET TO SHOW DOCK WITHIN LEASE AREA	A.T.
3	10-12-11	SEE ROADWAY PLANS PER COUNTY STAFF	A.T.
4	8-18-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
5	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.

Designed: M.G.C. 5-25-11
Drawn: A.T. 5-25-11
Checked: M.G.C. 5-25-11
Approved: M.G.C. 5-25-11
Date: 5-25-11
Project: M0505
File: M0505 base dock only 2-6-12.dwg

Melissa G. Corbett, P.E.
Oct 08 2012
No. 59272

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1 inch = 100 ft. (IN FEET) 100 0 100 200

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Ph: (772)233-8855 Fax: (772) 233-9851
Web: www.themilcorgroup.com
Certificate of Authorization: 26048

DOCK SECTIONS
PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS
MARTIN COUNTY - FLORIDA

Sheet No. 7 of 10

J:\M05 Martin County\M0505 Port Salerno Commercial Fishing Dock Authority\DWG\DESIGN\dock replacement plans only\M0505 base dock only 2-6-12.dwg, PRINTED BY: dbet ON Mon, Oct 08 2012

GENERAL NOTES:

FOR THE PURPOSE OF THE GENERAL NOTES BELOW, THE TERM DEPARTMENT SHALL MEAN "MARTIN COUNTY UTILITIES & SOLID WASTE DEPARTMENT".

1. ALL CONNECTIONS TO EXISTING MAINS SHALL BE OBSERVED BY THE DEPARTMENT. VALVES ON EXISTING MAINS SHALL BE OPERATED BY DEPARTMENT PERSONNEL OR UNDER THEIR DIRECT SUPERVISION. TAPPING SLEEVE AND VALVE SHALL BE PRESSURE TESTED PRIOR TO TAPPING. IF SERVICE MUST BE CUT OFF TO EXISTING CUSTOMERS, THE DEPARTMENT MUST HAVE THREE DAYS NOTICE TO MAKE NECESSARY NOTIFICATIONS. THE CONTRACTOR MAY BE REQUIRED TO ASSIST IN NOTIFICATIONS. IN THIS EVENT, CONTRACTOR SHALL BE READY TO PROCEED WITH AS MUCH MATERIAL PREASSEMBLED AS POSSIBLE AT THE SITE TO MINIMIZE THE LENGTH OF SERVICE INTERRUPTION. THE DEPARTMENT WILL POSTPONE A SERVICE CUT OFF IF THE CONTRACTOR IS NOT READY TO PROCEED ON SCHEDULE. SUCH CONNECTIONS SHALL BE MADE AT NIGHT TO MINIMIZE EFFECTS UNLESS OTHERWISE AUTHORIZED BY THE DEPARTMENT. NO CUSTOMER SHOULD BE WITHOUT SERVICE FOR MORE THAN FOUR HOURS.

LOCAL CHLORINATION WILL BE REQUIRED FOR ALL PIPE AND FITTINGS USED TO COMPLETE CONNECTIONS WITH POTABLE WATER.

2. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF MARTIN COUNTY UTILITIES MINIMUM DESIGN AND CONSTRUCTION STANDARDS, ONE COPY OF THE CONTRACT DOCUMENTS, INCLUDING PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.

3. THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.

4. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHOD AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND DEPARTMENT PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

5. LOCATION OF PROPOSED FACILITIES WILL BE STAKED BY CONTRACTOR. CONTRACTOR MUST GIVE 48 HOURS NOTICE TO THE DEPARTMENT IN ADVANCE OF LAYOUT.

6. PROJECT SUPERINTENDENT: THE CONTRACTOR SHALL PROVIDE A QUALIFIED SUPERINTENDENT TO REMAIN ON THE JOB SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. THE SUPERINTENDENT SHALL BE PRESENT AT THE PRE-CONSTRUCTION MEETINGS. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT BY LETTER PRIOR TO THE PRE-CONSTRUCTION MEETING APPOINTING THE SUPERINTENDENT FOR THIS PROJECT INCLUDING A FORMAL RESUME SHOWING QUALIFICATIONS. IN THE EVENT THE SUPERINTENDENT WILL NOT BE PRESENT FOR ANY PERIOD OF TIME DURING CONTRACT WORK THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE IN WRITING TO THE DEPARTMENT, INCLUDING THE APPOINTMENT OF A QUALIFIED REPLACEMENT SUPERINTENDENT WHO WILL BE PRESENT DURING THE CONSTRUCTION. WORK SHALL NOT BE ALLOWED TO PROCEED UNLESS THE ASSIGNED SUPERINTENDENT IS PRESENT.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE HIS COMPLETE FAMILIARITY WITH THE PROJECT SITE AND COMPONENTS TO INCLUDE SUBSURFACE CONDITIONS OF SOIL AND GROUNDWATER TABLE.

WARNING: EXACT LOCATION OF UNDERGROUND UTILITIES IS NOT KNOWN NOR IS THIS DRAWING TO BE CONSTRUED AS DEPICTING THE LOCATION OF ALL UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINATION OF LOCATION PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE, THEREFORE, FOR ALL DAMAGE AND REPAIR COSTS.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

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GENERAL NOTES (Cont.):

8. DENSITY TESTS OF TRENCH BACKFILL MATERIAL SHALL BE REQUIRED AT INTERVALS OF NOT MORE THAN 500 FEET. DENSITY TESTS OF PAVEMENT OPEN-CUT AREAS INCLUDING ROADS, TURNLANES, AND DRIVES SHALL BE REQUIRED AT EACH OPEN-CUT AT INTERVALS OF NOT MORE THAN 50 FEET. ALL TESTS SHALL COMMENCE AT THE TOP OF CONDUIT AND EVERY 12 INCHES TO THE FINISH GRADE. COMPACTION SHALL BE IN ACCORDANCE WITH MARTIN COUNTY UTILITIES CONSTRUCTION STANDARDS "TYPICAL TRENCH DETAIL" AND "FLEXIBLE PAVEMENT REPLACEMENT DETAIL". FLORIDA BEARING TESTS FOR THE STABILITY OF EXISTING SUBSOIL SHALL BE TAKEN AT INTERVALS OF NOT MORE THAN 500 FEET, AND CLOSER AS MIGHT BE NECESSARY IN THE EVENT OF VARIATIONS IN THE STRATA. A CERTIFIED COPY OF THE TESTS SHALL BE PROVIDED TO THE DEPARTMENT AND THE FLORIDA DEPARTMENT OF TRANSPORTATION OR MARTIN COUNTY ENGINEERING DEPARTMENT DEPENDING ON JURISDICTION. CONTRACTORS BID PRICE SHALL INCLUDE PAYMENT FOR ALL TESTS CONDUCTED BY AN INDEPENDENT TESTING LAB.

9. ANY LANDSCAPING DISTURBED, UNLESS OTHERWISE SHOWN ON THE PLANS, SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTORS EXPENSE.

10. ANY WALK, CURB AND GUTTER OR PAVEMENT DISTURBED, UNLESS OTHERWISE SHOWN ON PLANS, SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. ALL CONSTRUCTION SHALL MEET ADA REQUIREMENTS.

11. ALL SOD IS TO BE PLACED FOR THE FULL WIDTH DISTURBED AT THE PER LINEAR FOOT UNIT PRICE FOR SOD. SOD SHALL BE REPLACED TO MATCH EXISTING KIND UNLESS OTHERWISE SHOWN ON PLANS.

12. CONTRACTOR SHALL PROVIDE PROPER BENDS TO MAINTAIN REQUIRED DEPTH AND ALIGNMENT OF PIPE. COST OF BENDS NOT DESIGNATED ON PLANS SHALL BE INCLUDED WITH THE UNIT PRICE FOR PIPE.

13. ANY TREES AND/OR SCRUB OR OTHER VEGETATION NOT TO BE REPLACED SHALL BE REMOVED FROM THE PROJECT AT THE CONTRACTOR'S EXPENSE.

14. ALL RUBBLE AND UNSUITABLE MATERIAL MUST BE REMOVED FROM THE PROJECT AND DISPOSED OF PROPERLY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

15. MAILBOXES MUST BE CAPABLE OF RECEIVING MAIL AT ALL TIMES.

16. DEFLECT PIPE AS NECESSARY TO OBTAIN THE REQUIRED ALIGNMENT. USE APPROPRIATE FITTINGS WHEN DEFLECTION EXCEEDS 75% OF MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION.

17. ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED. REFER TO MARTIN COUNTY UTILITIES DEPARTMENT MINIMUM DESIGN & CONSTRUCTION STANDARDS (LATEST EDITION).

18. ALL CONSTRUCTION DEWATERING (WELL POINTS, SUMPS, ETC.) WILL REQUIRE A DEWATERING PERMIT FROM SOUTH FLORIDA WATER MANAGEMENT DISTRICT. THIS SHALL BE OBTAINED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE PRIOR TO BEGINNING OF CONSTRUCTION.

19. THE "TRENCH SAFETY ACT" SHALL BE INCORPORATED INTO THIS CONTRACT AS ENACTED BY THE LEGISLATURE OF THE STATE OF FLORIDA TO BE IN EFFECT AS OF OCTOBER 1, 1990.

20. A U-2 PERMIT IS REQUIRED FOR ALL WORK WITHIN COUNTY RIGHT-OF-WAY. THIS PERMIT MUST BE OBTAINED BY THE CONTRACTOR FROM THE MARTIN COUNTY ENGINEERING DEPARTMENT. ALL COSTS. PAYABLE BY THE CONTRACTOR. A COPY OF THIS PERMIT MUST BE MAINTAINED ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.

21. ALL CONCRETE AND ASPHALT DRIVES MUST BE REPLACED FROM SAW CUT TO EDGE OF PAVEMENT.

22. LOCATIONS OF FIRE HYDRANTS AND AIR RELEASE VALVES ARE APPROXIMATE ONLY. FINAL LOCATIONS WILL BE DETERMINED BY DEPARTMENT PERSONNEL IN FIELD.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

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GENERAL NOTES (Cont.):

23. MAXIMUM LENGTH OF WATER MAIN AND FORCE MAIN PRESSURE TEST SHALL BE 1500 FEET. WATER SOURCE FOR FLUSHING, FILLING AND PRESSURE TESTING THE WATER MAIN SHALL BE FROM A TREATED SOURCE APPROVED BY THE DEPARTMENT.

24. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND RESTORATION (IF DAMAGED) OF ALL EXISTING STRUCTURES WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT, INCLUDING BUT NOT LIMITED TO WALLS, FENCES, POWER POLES, MAIL BOXES, DRAINAGE PIPES AND STRUCTURES, ETC..

25. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING WATER SERVICES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT THE EXISTING WATER SERVICES FROM DAMAGE AND REPAIR ANY BREAKS IMMEDIATELY.

26. "RECORD DRAWINGS" SHALL INCLUDE FURNISHING MARTIN COUNTY UTILITIES DEPARTMENT WITH ALL INFORMATION NECESSARY FOR A COMPLETE SET OF RECORD DRAWINGS AS STIPULATED IN THE MARTIN COUNTY UTILITIES DEPARTMENT MINIMUM DESIGN AND CONSTRUCTION STANDARDS (LATEST EDITION).

27. MECHANICALLY RESTRAIN LENGTHS, AS INDICATED ON DRAWING No. 20, ON EACH SIDE OF ALL BENDS AND AS INSTRUCTED IN MARTIN COUNTY UTILITIES DEPARTMENT SPECIFICATIONS. MECHANICAL RESTRAINTS SHALL BE EITHER MEG-A-LUG, TYLER OR UNIFLANGE. THE CONTRACTORS BID PRICE FOR PIPE, GATE VALVES AND FITTINGS SHALL INCLUDE MECHANICAL RESTRAINT.

28. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL SUPPORT UTILITIES AND SHORE TRENCH AS REQUIRED TO PROTECT AND MAINTAIN EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY EACH UTILITY PRIOR TO ATTEMPTING TO SUPPORT THEIR FACILITIES. IF THE UTILITY REQUIRES THAT ONLY THEIR CREWS SHALL BE ALLOWED TO SUPPORT THEIR FACILITIES, THEN IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE WORK AND PAY THE UTILITY FOR THEIR EXPENSES IF REQUIRED. ALL COSTS FOR THIS WORK SHALL BE AT THE CONTRACTORS EXPENSE AND INCLUDED IN THE CONTRACTORS BID PRICE.

29. ALL PRESSURE TESTS SHALL BE IN ACCORDANCE WITH AWWA STANDARDS.

30. AIR RELEASE VALVE VAULT COVERS SHALL BE CONSTRUCTED PER DETAIL AS SHOWN IN THE DEPARTMENTS MINIMUM DESIGN AND CONSTRUCTION STANDARDS.

31. ALL WATER SERVICES SHALL BE DIRECTIONALLY DRILLED UNDER EXISTING PAVEMENT.

32. VALVE STEM RISER SHALL BE REQUIRED WHERE OPERATING NUT DEPTH EXCEEDS 4 FEET. THE RISER SHALL BE BOLTED TO THE VALVE NUT. METHOD AND MATERIALS SHALL BE APPROVED BY THE DEPARTMENT. COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACTORS BID UNIT PRICE FOR GATE VALVES.

33. THE CONTRACTOR SHALL CLEAN MAINS USING APPROVED POLYURETHANE PIG(S). TEMPORARY CLEANING STATIONS SHALL BE CONSTRUCTED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A CLEANING PLAN SHOWING METHOD OF FILLING AND CLEANING MAINS PRIOR TO START OF CONSTRUCTION. THE CLEANING PLAN SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO CONSTRUCTION. ALL COSTS FOR FILLING AND CLEANING SHALL BE AT THE CONTRACTORS EXPENSE.

34. A FLORIDA DEPARTMENT OF TRANSPORTATION PERMIT IS REQUIRED FOR ALL WORK, EXCEPT PERPENDICULAR CONNECTIONS, WITHIN THE STATE RIGHT-OF-WAY. A COPY OF THIS PERMIT MUST BE MAINTAINED ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.

35. THE CONTRACTOR SHALL INSTALL TESTING POINTS FOR PRESSURE & BACTERIOLOGICAL TESTING OF WATER MAINS. THE CONTRACTOR SHALL INSTALL AND REMOVE AND PLUG CORP. STOPS PER MARTIN COUNTY UTILITIES STANDARDS "SAMPLE POINT DETAIL". THE LOCATION OF TEST POINTS SHALL BE APPROVED BY THE DEPARTMENT.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

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GENERAL NOTES (Cont.):

36. WATER MAIN DISINFECTION SHALL BE IN ACCORDANCE WITH CURRENT AWWA, BULLETIN C-651.

37. WATER MAINS AND APPURTENANCES SHALL BE IN ACCORDANCE WITH CURRENT AWWA, FDEP AND NSF STANDARDS.

38. MINIMUM COVER TO FINISHED GRADE OVER WATER MAINS SHALL BE 30 INCHES UP TO 8" DIAMETER; 10" OR LARGER SHALL HAVE 36" COVER OR GREATER TO PROVIDE A MINIMUM 18" COVER OVER OPERATING NUT OF GATE VALVES.

39. ALL MAINS SHALL BE TESTED FOR LEAKAGE. WATER SHALL BE SUPPLIED TO THE MAIN AND PUMPED TO THE REQUIRED 150 PSI PRESSURE. THE MAIN TESTED SHALL EITHER BE ISOLATED FROM PRESENTLY POTABLE LINES OR PROTECTED FROM LEAKAGE BY A DOUBLE VALVE ARRANGEMENT.

40. NEWLY CONSTRUCTED FIRE HYDRANTS THROUGHOUT THE PROJECT SHALL HAVE A RED "OUT OF SERVICE" DISK (JOSEPH G. POLLARD CO. OR EQUAL) ATTACHED TO 4" PUMPER NOZZLE CAP. DISK TO BE REMOVED AFTER WATER SYSTEM HAS BEEN APPROVED FOR SERVICE BY THE DEPARTMENT.

THE DEPARTMENT SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY TESTING PROCEDURES. AFTER FLUSHING IS COMPLETED, LINE PRESSURE SHALL BE APPLIED TO THE WATER SYSTEM TO DETERMINE IF ANY MAJOR DEFECTS ARE PRESENT. THE COMPLETE WATER SYSTEM SHALL THEN BE TESTED AT A PRESSURE OF 150 PSI FOR A PERIOD OF NOT LESS THAN TWO HOURS. THE DEPARTMENT MAY, AT ITS DISCRETION, INCREASE THE PERIOD TO FOUR HOURS. MAXIMUM LENGTH OF LINE TO BE TESTED AT ONE TIME SHALL NOT EXCEED 1500 LINEAR FEET. AN OIL FILLED PRESSURE GAUGE UP TO 200 PSI AT 2 POUND INCREMENTS SHALL BE USED FOR ALL PRESSURE TESTS. NO VISIBLE MOVEMENT OF THE SYSTEM SHALL OCCUR AND LEAKAGE SHALL NOT EXCEED:

$$L = \frac{ND\sqrt{P}}{7400} \text{ PER HOUR}$$

WHERE: L= LEAKAGE IN GALLONS
N= NUMBER OF JOINTS IN TEST SECTION
P= TEST PRESSURE IN PSI.
D= DIAMETER OF PIPE IN INCHES

NOTE: MARTIN COUNTY UTILITIES DEPARTMENT'S MINIMUM DESIGN AND CONSTRUCTION STANDARDS (LATEST EDITION), ARE TO BE ADHERED TO AND WILL BE ENFORCED TO AT LEAST THESE MINIMUM STANDARDS.

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UNDERGROUND UTILITIES NOTIFICATION CENTER

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

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STANDARD WATER/SEWER SEPARATION STATEMENT

62-555.314 Location of Public Water System Mains.
For the purpose of this section, the phrase "water mains" shall mean mains, including treatment plant process piping, conveying either raw, partially treated, or finished drinking water; fire hydrant leads; and service lines that are under the control of a public water system and that have an inside diameter of three inches or greater.

(1) Horizontal Separation Between Underground Water Mains and Sanitary or Storm Sewers, Wastewater or Stormwater Force Mains, Reclaimed Water Pipelines, and On-Site Sewage Treatment and Disposal Systems.

(a) New or relocated, underground water mains shall be laid to provide a horizontal distance of at least three feet between the outside of the water main and the outside of any existing or proposed storm sewer, stormwater force main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C.

(b) New or relocated, underground water mains shall be laid to provide a horizontal distance of at least three feet, and preferably ten feet, between the outside of the water main and the outside of any existing or proposed vacuum-type sanitary sewer.

(c) New or relocated, underground water mains shall be laid to provide a horizontal distance of at least six feet, and preferably ten feet, between the outside of the water main and the outside of any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C. The minimum horizontal separation distance between water mains and gravity-type sanitary sewers shall be reduced to three feet where the bottom of the water main is laid at least six inches above the top of the sewer.

(d) New or relocated, underground water mains shall be laid to provide a horizontal distance of at least ten feet between the outside of the water main and all parts of any existing or proposed "on-site sewage treatment and disposal system" as defined in Section 381.0065(2), F.S., and Rule 64E-6.002, F.A.C.

(2) Vertical Separation Between Underground Water Mains and Sanitary or Storm Sewers, Wastewater or Stormwater Force Mains, and Reclaimed Water Pipelines.

(a) New or relocated, underground water mains crossing any existing or proposed gravity- or vacuum-type sanitary sewer or storm sewer shall be laid so the outside of the water main is at least six inches, and preferably 12 inches, above or at least 12 inches below the outside of the other pipeline. However, it is preferable to lay the water main above the other pipeline.

(b) New or relocated, underground water mains crossing any existing or proposed pressure-type sanitary sewer, wastewater or stormwater force main, or pipeline conveying reclaimed water shall be laid so the outside of the water main is at least 12 inches above or below the outside of the other pipeline. However, it is preferable to lay the water main above the other pipeline.

(c) At the utility crossings described in paragraphs (a) and (b) above, one full length of water main pipe shall be centered above or below the other pipeline so the water main joints will be as far as possible from the other pipeline. Alternatively, at such crossings, the pipes shall be arranged so that all water main joints are at least three feet from all joints in vacuum-type sanitary sewers, storm sewers, stormwater force mains, or pipelines conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C., and at least six feet from all joints in gravity- or pressure-type sanitary sewers, wastewater force mains, or pipelines conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

(3) Separation Between Water Mains and Sanitary or Storm Sewer Manholes.

(a) No water main shall pass through, or come into contact with, any part of a sanitary sewer manhole.

(b) Effective August 28, 2003, water mains shall not be constructed or altered to pass through, or come into contact with, any part of a storm sewer manhole or inlet structure. Where it is not technically feasible or economically sensible to comply with this requirement (i.e., where there is a conflict in the routing of a water main and a storm sewer and where alternative routing of the water main or the storm sewer is not technically feasible or is not economically sensible), the Department shall allow exceptions to this requirement (i.e., the Department shall allow construction of conflict manholes), but suppliers of water or persons proposing to construct conflict manholes must first obtain a specific permit from the Department in accordance with Part V of this chapter and must provide in the preliminary design report or drawings, specifications, and design data accompanying their permit application the following information:

1. Technical or economic justification for each conflict manhole.
2. A statement identifying the party responsible for maintaining each conflict manhole.
3. Assurance of compliance with the design and construction requirements in sub-subparagraphs a. through d. below.

a. Each water main passing through a conflict manhole shall have a flexible, watertight joint on each side of the manhole to accommodate differential setting between the main and the manhole.

b. Within each conflict manhole, the water main passing through the manhole shall be installed in a watertight casing pipe having high impact strength (i.e., having an impact strength at least equal to that of 0.25-inch-thick ductile iron pipe).

c. Each conflict manhole shall have an access opening, and shall be sized, to allow for easy cleaning of the manhole.

d. Gratings shall be installed at all storm sewer inlets upstream of each conflict manhole to prevent large objects from entering the manhole.

(4) Separation Between Fire Hydrant Drains and Sanitary or Storm Sewers, Wastewater or Stormwater Force Mains, Reclaimed Water Pipelines, and On-Site Sewage Treatment and Disposal Systems. New or relocated fire hydrants with underground drains shall be located so that the drains are at least three feet from any existing or proposed storm sewer, stormwater force main, or pipeline conveying reclaimed water regulated under Part III of Chapter 62-610, F.A.C.; at least three feet, and preferably ten feet, from any existing or proposed vacuum-type sanitary sewer; at least six feet, and preferably ten feet, from any existing or proposed gravity- or pressure-type sanitary sewer, wastewater force main, or pipeline conveying reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.; and at least ten feet from any existing or proposed "on-site sewage treatment and disposal system" as defined in Section 381.0065(2), F.S., and Rule 64E-6.002, F.A.C.

(5) Exceptions. Where it is not technically feasible or economically sensible to comply with the requirements in subsection (1) or (2) above, the Department shall allow exceptions to these requirements if suppliers of water or construction permit applicants provide technical or economic justification for each exception and provide alternative construction features that afford a similar level of reliability and public health protection. Acceptable alternative construction features include the following:

(a) Where an underground water main is being laid less than the required minimum horizontal distance from another pipeline and where an underground water main is crossing another pipeline and joints in the water main are being located less than the required minimum distance from joints in the other pipeline:

1. Use of pressure-rated pipe conforming to the American Water Works Association standards incorporated into Rule 62-555.330, F.A.C., for the other pipeline if it is a gravity- or vacuum-type pipeline;
2. Use of welded, fused, or otherwise restrained joints for either the water main or the other pipeline; or
3. Use of watertight casing pipe or concrete encasement at least four inches thick for either the water main or the other pipeline.

(b) Where an underground water main is being laid less than three feet horizontally from another pipeline and where an underground water main is crossing another pipeline and is being laid less than the required minimum vertical distance from the other pipeline:

1. Use of pipe, or casing pipe, having high impact strength (i.e., having an impact strength at least equal to that of 0.25-inch-thick ductile iron pipe) or concrete encasement at least four inches thick for the water main; and
2. Use of pipe, or casing pipe, having high impact strength (i.e., having an impact strength at least equal to that of 0.25-inch-thick ductile iron pipe) or concrete encasement at least four inches thick for the other pipeline if it is new and is conveying wastewater or reclaimed water.

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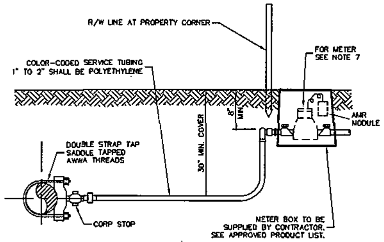
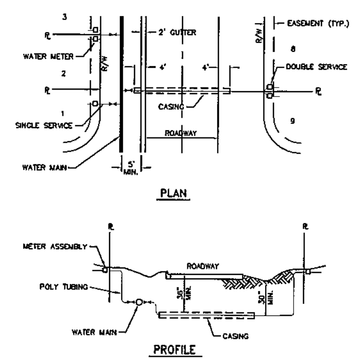


NOTES:

1. MIN. SERVICE LINES SHALL BE AS FOLLOWS: 1" FOR SINGLE AND DOUBLE SERVICES WHERE METER SIZE IS 5/8"; 2" FOR SINGLE AND DOUBLE SERVICES WHERE METER SIZE IS 1".
2. COMPRESSION FITTINGS SHALL BE SUITABLE FOR TUBING USED AND REQUIRE METAL (S.S.) INSERTS.
3. DOUBLE SERVICES REQUIRE "U" BRANCH WITH ANGLE CURB STOPS.
4. POLYETHYLENE SHALL BE AS DEFINED BY A.S.T.M. D2737 SDR9 AND A.W.W.A. 901, LATEST EDITION, AND BE PRESSURE RATED FOR 200 PSI AND SHALL BE "ENDOPURE" BY ENDOT INDUSTRIES, INC., ROCKAWAY, N.J., OR APPROVED EQUAL.
5. TUBING SHALL BE MARKED WITH SIZE, MANUFACTURERS NAME, WORKING PRESSURE, NATIONAL SANITATION FOUNDATION APPROVAL, A.S.T.M. SPECIFICATION AND PRODUCTION CODE. TUBING SHALL HAVE AN OUTSIDE DIAMETER EQUIVALENT TO THE OUTER DIAMETER OF COPPER TUBING.
6. SERVICE LOCATOR WIRE SHALL BE LAID IN THE TRENCH WITH ALL SERVICES, CONNECTED TO THE MAIN WIRE AND WRAPPED AROUND THE SERVICE PIPING OR TUBING. WIRE FOR POTABLE WATER SHALL BE BLUE IN COLOR.
7. METER SHALL BE FURNISHED BY DEVELOPER AND DELIVERED TO THE DEPARTMENT'S WAREHOUSE FOR STORAGE AND SUBSEQUENT INSTALLATION BY THE DEPARTMENT.
8. METER SHALL BE FURNISHED WITH AND PRE-WIRED TO A 900 MHz AUTOMATED METER READING SYSTEM (AMR). THE AMR SHALL BE T^2 BY TRANSPARENT TECHNOLOGIES, INC.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION		DWG No.
JULY, 2010	SERVICE CONNECTION DETAIL 5/8" OR 1" METER	2

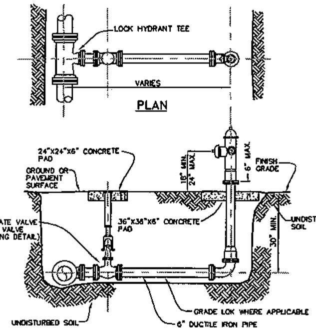


NOTES:

1. HOUSE SERVICE LATERAL UNDER PAVEMENT SHALL BE INSTALLED THROUGH A 2" MINIMUM PVC SCH. 80 CASING OR HDPE CASING (EXISTING ROADWAYS).
2. TAPPING SADDLE AND CORPORATION STOP MUST BE PLACED IN ACCESSABLE AREAS, OUT FROM UNDER ANY PAVED AREAS.
3. SERVICE LOCATOR WIRE SHALL BE LAID IN THE TRENCH WITH ALL SERVICES, CONNECTED TO THE MAIN WIRE AND WRAPPED AROUND THE SERVICE PIPING OR TUBING. WIRE FOR POTABLE WATER SHALL BE BLUE IN COLOR.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION		DWG No.
JULY, 2010	WATER SERVICE CONNECTIONS (SINGLE OR DOUBLE) PLAN / PROFILE	3



NOTES:

1. HYDRANTS SHALL BE INSTALLED PLUMB AND TRUE.
2. VALVES SHALL BE PLACED ADJACENT TO MAIN, AND TIED TO TEE.
3. ANCHOR TEES ARE REQUIRED.
4. ALL HYDRANTS SHALL BE TEE'D OFF OF MAIN.
5. HYDRANTS SHALL NOT BE PLACED IN SIDEWALK, ROADWAYS OR BIKEPATHS.
6. PIPE FROM VALVE TO HYDRANT SHALL BE RESTRAINED.
7. HYDRANT BARREL AND BONNET COLOR TO BE OSHA YELLOW.
8. THE CONNECTOR PIPE SHALL BE CEMENT LINED DUCTILE IRON, CLASS 350 AND POSITIONED BETWEEN THE FIRE HYDRANT AND GATE VALVE.
9. THE CONNECTOR PIPE SHALL HAVE AN ANCHORING FEATURE AT BOTH ENDS SO THAT WHEN USED WITH M.J. SPLIT GLANDS A RESTRAINED JOINT IS PROVIDED.
10. HYDRANT EXTENSIONS SHALL **NOT** BE ALLOWED.
11. NEWLY CONSTRUCTED FIRE HYDRANTS THROUGHOUT THE PROJECT SHALL HAVE A RED "OUT OF SERVICE" DISK (JOSEPH G. POLLARD CO. OR EQUAL) ATTACHED TO 4" PUMPER NOZZLE CAP. DISK TO BE REMOVED AFTER WATER SYSTEM HAS BEEN APPROVED FOR SERVICE BY THE DEPARTMENT.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION		DWG No.
JULY, 2010	FIRE HYDRANT INSTALLATION DETAIL AND NOTES	7

Melissa G. Corbett, P.E.
Oct 08 2012
No. 59292

No.	Date:	Revision:	By
1	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
2	8-16-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
3	10-12-11	90% ROADWAY PLANS PER COUNTY STAFF	A.T.
4	2-6-12	REVISED SET TO SHOW DOCK IMPROVEMENTS ONLY	A.T.
5	5-23-12	REVISED PER FDEP COMMENTS	A.T.
6			
7			

Designed: M.G.C. 6-28-11
Drawn: A.T. 6-28-11
Checked: M.G.C. 6-28-11
Approved: M.G.C. 6-28-11
Date: 6-28-11
Project: M0505
File: M0505-8-10.dwg

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(IN FEET)
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Web: www.themilcorgroup.com
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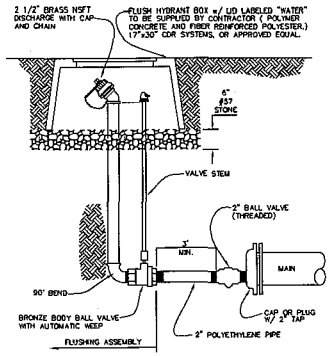
UTILITY DETAILS

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS
MARTIN COUNTY, FLORIDA

J:\M05 Martin County\M0505 Port Salerno Commercial Fishing Dock Authority\DWG\DESIGN\dock replacement plans only\M0505-8-10.dwg, PRINTED BY: atext ON Mon, Oct 08 2012

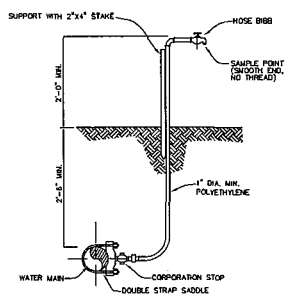


NOTES:

1. FLUSHING HYDRANT ASSEMBLY SHALL BE GIL INDUSTRIES, AQUARIUS ONE-O-ONE OR WATER PLUS VB2000 2" POST FLUSHING HIDDEN HYDRANT.
2. MAIN TO BE RESTRAINED FOR THREE FULL LENGTHS.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION		DWG No.
JULY, 2010	POTABLE WATER FLUSHING HYDRANT	8

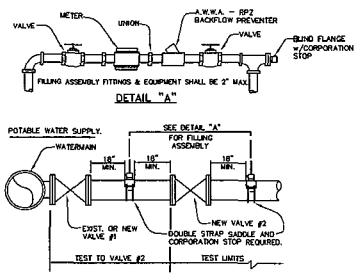


NOTES:

1. SAMPLE POINT SHOULD BE A SERVICE LINE OR FIRE HYDRANT IF POSSIBLE.
2. AFTER SAMPLING IS COMPLETED AND APPROVED, SHUT OFF CORP. STOP, REMOVE TUBING, PLUG WITH BRASS PLUG AND LOCATE FOR RECORD DRAWINGS.
3. MOUNT METAL OR PLASTIC TAG INDICATING "SAMPLE POINT – DO NOT TURN OFF"

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION		DWG No.
JULY, 2010	SAMPLE POINT DETAIL	9

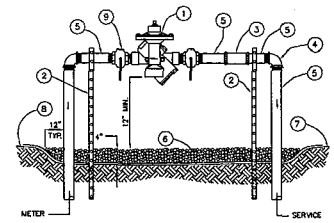


NOTES:

1. BOTH VALVES SHALL BE KEPT CLOSED EXCEPT FOR FILLING, FLUSHING, AND BACTERIOLOGICAL TESTING PURPOSES.
2. DEPARTMENT SHALL BE NOTIFIED BEFORE FILLING AND FLUSHING.
3. AFTER BACTERIOLOGICAL CLEARANCE, SECOND VALVE IS TO BE LEFT OPEN WITHOUT VALVE BOX.
4. PRESSURE TEST PUMP CONNECTS TO SERVICE LINE OR BLOWOFF. NO EXTRA TAPS ARE PERMITTED UNLESS PRECEEDING ARE NOT PRESENT IN TEST SECTION.
5. PRESSURE GAUGE TO BE LOCATED IN VICINITY OF TEST PUMP CONNECTION.
6. GAUGE AND RISER TO BE REMOVED AFTER PRESSURE TEST.
7. REMOVE TEMPORARY CONNECTION AT CORPORATION STOPS AFTER FILLING & FLUSHING HAS BEEN COMPLETED.
8. NEW VALVE MAY BE REMOVED AT UTILITIES OPTION.
9. INJECT CHLORINE ON PROJECT SIDE OF BACKFLOW PREVENTER.
10. CONTRACTOR TO PROVIDE AN RPZ CERTIFICATION (LESS THAN 1 YEAR) PRIOR TO INSTALLATION.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION		DWG No.
JULY, 2010	DOUBLE VALVE DETAIL AND FILLING AND FLUSHING CONNECTION	10



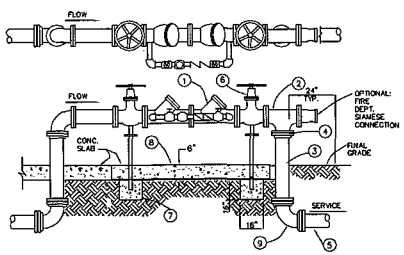
MATERIALS			
ITEM	QUANT.		DESCRIPTION
1	1	2"	BACKFLOW PREVENTER
2	2	1"	S.S. UNISTRUT W/ S.S. STRAPS
3	1	2"	COUPLING – COMPRESSION
4	2	2" X 90°	ELBOW
5	4	2" X 6"	NIPPLES
6			PEA GRAVEL
7			FILTER FABRIC
8			FINISHED GRADE
9	2		BALL VALVE

NOTES:

1. INSTALLATION SHOWN ABOVE IS FOR A 2" SERVICE. CHANGE PIPING MATERIALS ACCORDINGLY FOR SERVICE SIZE.
2. USE COPPER, BRASS OR STAINLESS STEEL FOR FITTINGS AND PIPE MATERIAL.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION		DWG No.
JULY, 2010	REDUCED PRESSURE BACKFLOW PREVENTER SINGLE SERVICE 3/4", 1", 1-1/2" AND 2"	12



MATERIAL			
ITEM	QUANT.		DESCRIPTION
1	1	2", 4", 6", 8"	DOUBLE DETECTOR CHECK BACKFLOW PREVENTER
2	2	2", 4", 6", 8"	TEE (FLANGE-FLANGE)
3	*	2", 4", 6", 8"	PIPE, DUCTILE IRON (CLASS 350)
4	2	2", 4", 6", 8"	ADAPTER, FLANGE, D.I.P.
5	2	2", 4", 6", 8"	PIPE
6	2	2", 4", 6", 8"	GATE VALVE, C.I., (FLANGE-FLANGE) OS&Y
7	2	2"	IRON PIPE / CONCRETE FOUNDATION
8	1	6"	CONCRETE SLAB
9	3		BEND – 90° (MJ-MJ)

NOTE:

1. FIELD ADJUST AND CUT ITEM 3 TO PROPER LENGTH. THIS TYPE OF CONSTRUCTION IS DESIGNED FOR LIMITED WORKING AREA.
2. ALL EXPOSED DUCTILE IRON PIPES AND FITTINGS SHALL BE PAINTED "RED". PAINT SPECIFICATIONS MUST BE SUBMITTED TO MARTIN COUNTY UTILITIES PRIOR TO APPLICATION.
3. DETECTOR METER SHALL READ IN GALLONS AND SHALL BE 5/8" NEPTUNE MAGNETIC DRIVE, MODEL T-10.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION		DWG No.
JULY, 2010	FIRE LINE DOUBLE DETECTOR CHECK VALVE	16

No.	Date	Revisions	By
1	5-23-12	REVISED PER FDEP COMMENTS	A.T.
2	2-6-12	REVISED SET TO SHOW DOCK REPLACEMENT	A.T.
3	10-12-11	SDS ROADWAY PLANS PER COUNTY STAFF	A.T.
4	8-19-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
5	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.

Designed: M.C.T. 6-23-11
Drawn: A.T. 6-23-11
Checked: M.C.T. 6-29-11
Approved: M.C.T. 6-29-11
Date: 5-23-11
Project: M0505
File: M0505-4-12.dwg

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UTILITY DETAILS

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS

MARTIN COUNTY, FLORIDA

Sheet No. 9 of 10

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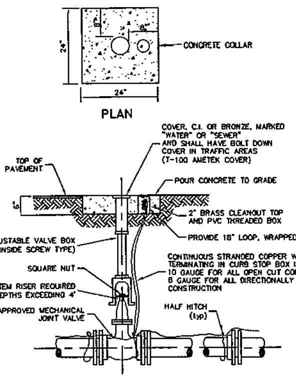
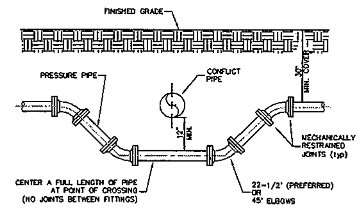


NOTE:

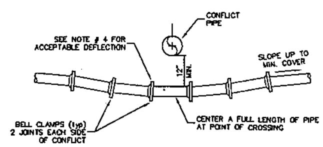
1. A LOCATION BALL (EMS MARKER SYSTEM, OMNI MARKER; WATER/BLUE, USA BLUEBOOK ITEM No. 75025; SEWER/GREEN, USA BLUEBOOK ITEM No. 75027) SHALL BE INSTALLED AT EACH FITTING AND/OR EVERY 100 FEET OF SEPARATION.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION JULY, 2010 — VALVE SETTING DETAIL — DWG No. 17



FITTING TYPE



DEFLECTION TYPE

NOTES:

1. THESE METHODS ARE TO BE USED WHEN INSUFFICIENT COVER EXISTS TO ALLOW PRESSURE PIPE TO CROSS ABOVE CONFLICT PIPE WITH 6" VERTICAL SEPARATION AND MAINTAIN REQUIRED COVER TO FINISHED GRADE.
2. FITTINGS SHALL BE RESTRAINED WITH RETAINER GLANDS.
3. THE DEFLECTION TYPE CROSSING IS PREFERRED.
4. DO NOT EXCEED 75% OF MANUFACTURER'S RECOMMENDED MAXIMUM JOINT DEFLECTION.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION JULY, 2010 — PRESSURE PIPE CONFLICT DETAIL — DWG No. 19

MIN. LENGTH (IN FEET) OF PIPE TO BE RESTRAINED
(SOURCES: EBAA IRON RESTRAINT LENGTH CALCULATION PROGRAM FOR PVC PIPE, RELEASE 3.1, AND DIPRA THRUST RESTRAINT FOR DUCTILE IRON PIPE, RELEASE 3.2)

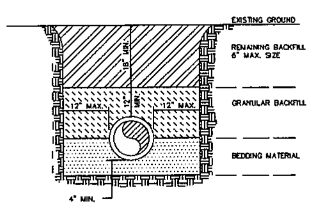
FITTING TYPE		PIPE SIZE 4"	6"	8"	10"	12"	16"	20"	24"
90° HORIZ. BEND		14	20	25	30	35	45	54	62
45° HORIZ. BEND		6	8	11	13	15	19	22	26
22.5° HORIZ. BEND		3	4	5	6	7	9	11	12
11.25° HORIZ. BEND		1	2	3	3	4	4	5	6
90° VERT. OFFSET	UPPER BEND	29	41	53	64	74	95	115	134
	LOWER BEND	7	10	13	16	19	25	30	35
45° VERT. OFFSET	UPPER BEND	12	19	24	29	34	39	48	56
	LOWER BEND	3	4	6	7	8	10	12	15
22.5° VERT. OFFSET	UPPER BEND	6	9	12	14	17	19	23	27
	LOWER BEND	1	2	4	4	4	5	6	7
11.25° VERT. OFFSET	UPPER BEND	3	4	6	7	8	9	11	13
	LOWER BEND	1	1	1	2	2	2	3	3
PLUG (DEAD END)		32	45	59	70	83	107	129	151
IN-LINE VALVE		32	45	45	45	45	55	65	80
TEE (BRANCH RESTRAINT)	4"X ø	23	-	-	-	-	-	-	-
	6"X ø	21	35	-	-	-	-	-	-
	8"X ø	18	34	47	-	-	-	-	-
	10"X ø	16	32	46	58	-	-	-	-
	12"X ø	13	30	44	57	69	-	-	-
	16"X ø	7	26	41	55	67	90	-	-
	20"X ø	1	21	38	52	65	88	109	-
	24"X ø	1	16	34	49	62	86	108	129
	30"X ø	1	8	28	44	58	83	106	127
	36"X ø	1	1	22	39	54	80	103	124
	42"X ø	1	1	15	33	49	77	100	122
	48"X ø	1	1	7	27	44	73	97	120
REDUCER (LARGER PIPE RESTRAINT)	6"X ø	23	-	-	-	-	-	-	-
	8"X ø	38	25	-	-	-	-	-	-
	10"X ø	57	43	24	-	-	-	-	-
	12"X ø	72	60	44	41	-	-	-	-
	16"X ø	99	90	78	75	45	-	-	-
	20"X ø	123	116	107	105	81	45	-	-
	24"X ø	146	140	132	131	111	82	45	-

NOTES:

1. THE DATA IN THE ABOVE TABLE ARE BASED UPON THE FOLLOWING INSTALLATION CONDITIONS:
   SOIL TYPE-SAND TEST PRESSURE-150 PSI DEPTH OF BURY-3'
   TRENCH TYPE-3 SAFETY FACTOR- 1.5 VERTICAL OFFSET-3'
   MINIMUM PIPE LENGTH ALONG TEE RUN-5'
2. THE RESTRAINED PIPE LENGTHS APPLY TO DUCTILE IRON AND PVC PIPE.
3. ALL JOINTS BETWEEN UPPER AND LOWER BENDS SHALL BE RESTRAINED.
4. RESTRAINED PIPE LENGTHS APPLY TO PIPE ON BOTH SIDES OF VALVES AND FITTINGS.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION JULY, 2010 — MECHANICAL JOINT ANCHORING REQUIREMENTS — DWG No. 20

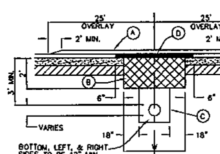


NOTES:

1. BEDDING MATERIAL SHALL BE HAND PLACED IN 6" LIFTS AND SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3/8"-7/8" SIZING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCK SHALL BE REMOVED.
2. THE PIPE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE HAUNCHES.
3. THE PIPE SHALL BE PLACED IN A DRY TRENCH.
4. BACKFILL SHALL BE DONE WITH APPROVED MATERIAL, CLEAN AND FREE OF ROCKS, MUCK AND OTHER DELETERIOUS MATTER AND COMPACTED BENEATH THE HAUNCHES OF THE PIPE USING MECHANICAL TAMPERS TO 100% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
5. BACKFILL TO BE COMPACTED ALONG THE SIDES OF THE PIPE AND TO A POINT ONE FOOT ABOVE THE TOP OF THE PIPE TO 100% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
6. A. WHERE PAVEMENT IS TO BE CONSTRUCTED OVER THE PIPE THE REMAINING BACKFILL SHALL BE COMPACTED IN 6 INCH LAYERS AND COMPACTED TO 95% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
   B. WHERE "NO" PAVEMENT IS TO BE CONSTRUCTED OVER THE PIPE THE REMAINING FILL SHALL BE COMPACTED IN 6 INCH LAYERS TO A DENSITY 90% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
7. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL TRENCH SAFETY REGULATIONS

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION JULY, 2010 — TYPICAL TRENCH DETAIL — DWG No. 22



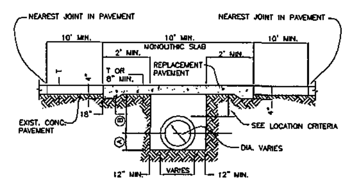
A. OVERLAY 25.0 FROM CENTER LINE OF TRENCH, BOTH SIDES OF OPEN CUT WITH 1" MINIMUM TYPE S-III ASPHALT OR MATCH EXISTING SURFACE MATERIAL WHEN POSSIBLE.
B. CONSTRUCT 2.0' DEEP X WIDTH AND LENGTH OF TRENCH WITH CEMENTED COQUINA OR LIMEROCK. SEE SPECIFICATIONS #2 BELOW FOR COMPACTION REQUIREMENTS.
C. PROVIDE CLEAN BACKFILL. BACKFILL SHALL BE REPLACED IN 6" LAYERS. EACH LAYER SHALL BE MECHANICALLY COMPACTED TO A MINIMUM 100% DENSITY AS DETERMINED BY AASHTO T-99, METHOD "C".
D. DITCH WIDTH (W)+12", MATCH EXISTING TYPE AND THICKNESS OF ASPHALT OR TYPE S-III.

NOTES:

1. REPLACED BASE MATERIAL OVER DITCH SHALL BE AS SHOWN ABOVE.
2. BASE MATERIAL SHALL BE PLACED IN 6" LAYERS OR AS OTHERWISE APPROVED AND EACH LAYER THOROUGHLY MECHANICALLY COMPACTED TO (98%) DENSITY AS DETERMINED BY AASHTO T-180.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
4. ALL PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
5. SURFACE MATERIAL WILL BE CONSISTENT WITH EXISTING SURFACE OR AS OTHERWISE DIRECTED (TYPE S-III) AND PLACED IN ACCORDANCE WITH FDOT REQUIREMENTS.
6. A MINIMUM OF TWO DENSITY TESTS SHALL BE TAKEN FOR EACH SIX (6) INCH LIFT OF SUBGRADE AND EACH OPEN CUT CROSSING. WHEN THE SPECIFIED COMPACTED BASE IS GREATER THAN SIX AND ONE-HALF (6-1/2) INCHES THE BASE SHALL BE CONSTRUCTED IN TWO OR MORE COURSES. PROCTORS FOR MATERIALS USED IN BACK-FILLING SHALL BE OBTAINED BY A CERTIFIED LABORATORY. DENSITY TESTS SHALL BE CONDUCTED BY A CERTIFIED LABORATORY OR THE PERMITTEE'S CONSULTANTS. THE PERCENTAGE OF MAXIMUM DENSITY REQUIRED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. A COPY OF ALL COMPLETED AND ACCEPTED DENSITY TESTS SHALL BE FURNISHED TO THE COUNTY ENGINEER'S OFFICE PRIOR TO FINAL INSPECTION.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION JULY, 2010 — FLEXIBLE PAVEMENT REPLACEMENT DETAIL — DWG No. 23



REPLACEMENT OF CONCRETE PAVEMENT FOR PERMITTED PAVEMENT CUT

DENSITY PROCEDURES:

THE BACKFILL FOR (A) AND (B) SHALL BE PLACED IN 6" LAYERS (COMPACTED THICKNESS) AND SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99 METHOD "C".

(A) THE PERMITTEE SHALL PROVIDE ADEQUATE COMPACTED FILL BENEATH THE HAUNCHES OF THE PIPE, USING MECHANICAL TAMPS SUITABLE FOR THIS PURPOSE. THIS COMPACTION APPLIES TO THE MATERIAL PLACED BENEATH THE HAUNCHES OF THE PIPE AND ABOVE ANY BEDDING REQUIRED.

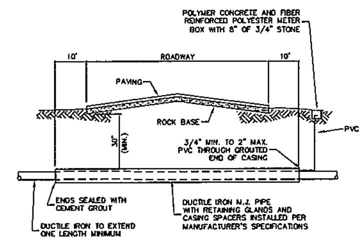
(B) THE PERMITTEE SHALL OBTAIN A WELL COMPACTED BED AND FILL ALONG THE SIDES OF THE PIPE AND TO A POINT INDICATING THE BOTTOM OF REPLACEMENT PAVEMENT.

GENERAL NOTES:

1. 3000 P.S.I. CONCRETE, BY USE OF HIGH EARLY STRENGTH CEMENT, TO BE USED FOR REPLACEMENT, OR OTHER APPROVED HIGH STRENGTH, FAST SET MATERIALS.
2. CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED TO CONFORM WITH ADJOINING SLABS.
3. BACKFILL MATERIAL SHALL BE EITHER OF THE SAME TYPE AND COMPOSITION AS THE MATERIAL REMOVED, OR OF EQUAL OR GREATER STRUCTURAL ADEQUACY. MATERIALS CONTAMINATED WITH DELETERIOUS SUBSTANCES DURING EXCAVATION SHALL NOT BE USED.

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION JULY, 2010 — CONCRETE PAVEMENT REPLACEMENT DETAIL — DWG No. 24



CARRIER PIPE SIZE	MINIMUM STEEL CASING	MINIMUM WALL THICKNESS
4"	12"	.250
6"	16"	.250
8"	18"	.312
10"	20"	.375
12"	24"	.375
16"	30"	.500
18"	30"	.500
20"	36"	.562
24"	36"	.562

NOTE:

1. LOCATOR WIRE SHALL BE MIN. #10 GAUGE MULTI-STRAND WIRE FOR ALL BORE & JACKING

MARTIN COUNTY CONSTRUCTION STANDARDS & DETAILS

REVISION JULY, 2010 — CASING INSTALLATION DETAIL — DWG No. 25

Melissa G. Corbett, P.E.
Oct 08 2012
No. 59292

No.	Date:	Revision:	By
	5-23-12	REVISED PER FDEP COMMENTS	A.T.
	2-6-12	REVISED SET TO SHOW DOCK IMPROVEMENTS ONLY	A.T.
	10-12-11	90% ROADWAY PLANS PER COUNTY STAFF	A.T.
	8-16-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.
	8-11-11	PER MARTIN COUNTY UTILITY COMMENTS	A.T.

Designed: M.G.C. 6-28-11
Drawn: A.T. 6-28-11
Checked: M.G.C. 6-28-11
Approved: M.G.C. 6-28-11
Date: 6-28-11
Project: M0505
File: M0505-8-10.dwg

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW! 1-800-432-4770
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

(IN FEET)
1 inch = 100 ft.
100 0 100 200

The MilCor Group, Inc.
6526 South Kanner Hwy. #238, Stuart, Florida 34997
Ph: (772)223-8850 Fax: (772) 223-8851
Web: www.themilcorgroup.com
Certificate of Authorization: 28246

UTILITY DETAILS

PORT SALERNO COMMERCIAL FISHING DOCK AUTHORITY DOCK REPLACEMENT PLANS

MARTIN COUNTY, FLORIDA

Sheet No. 10 of 10

J:\M05 Martin County\M0505 Port Salerno Commercial Fishing Dock Authority\DWG\DESIGN\dock replacement plans only\M0505-8-10.dwg. PRINTED BY: alext ON Mon. Oct 08 2012