GENERAL NOTES

- 1. THESE PLANS ARE SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE EXISTING CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. CONTRACTORS ARE DIRECTED, TO CONDUCT WHATEVER INVESTIGATION THEY DEEM NECESSARY, PRIOR TO BIDDING, TO DETERMINE THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED.
- 2. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) AFFECTING HIS WORK.
- 3. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN WRITTEN CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
- 4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, SEWERS, UTILITIES, AND OTHER FACILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR ANY DAMAGES DUE TO HIS CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
- WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE JOINT DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURERS' MAXIMUM RECOMMENDED DEFLECTION.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING DRAINAGE SYSTEM WITHIN THE LIMITS OF THE PROJECT AREA FOR THE DURATION OF THE PROJECT.
- 7. THE CONTRACTOR SHALL PROVIDE CERTIFIED RECORD DRAWINGS AS OUTLINED IN THE SPECIFICATIONS. RED-LINE DRAWINGS SHALL BE CURRENT WITH EACH PAY APPLICATION SUBMITTED AND WILL BE CHECKED AS PART OF THE PAY APPLICATION REVIEW PROCESS. PAYMENT WILL NOT BE MADE TO CONTRACTOR WITHOUT APPROVED RED-LINE DRAWINGS.
- 8. FIELD CONDITIONS MAY NECESSITATE ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED PIPELINES TO AVOID CONFLICTS. NO ADDITIONAL PAYMENT SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND THE OWNER'S ENGINEER.
- THE CONTRACTOR SHALL INCLUDE IN HIS BID; BY-PASS PUMPING FACILITIES, PUMPS, FITTINGS, LABOR, ETC, AS NECESSARY, BASED ON METHOD AND SEQUENCE OF CONSTRUCTION TO COMPLETE ALL WORK WHILE MAINTAINING THE EXISTING OPERATIONS OF MARS AT ALL TIMES.
- 10. ALL PROPOSED WORK SHALL BE COORDINATED WITH MANATEE COUNTY UTILITIES DEPARTMENT AT LEAST TWO WEEKS IN ADVANCE OF PROPOSED CONSTRUCTION.
- 11. THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL OF ALL PIPE CONNECTIONS, TRANSITIONS, AND SPECIALS PRIOR TO FABRICATION OR DELIVERY TO THE JOB SITE.
- 12. CONNECTIONS TO EXISTING FACILITIES SHALL BE ACCOMPLISHED IN A NEAT WORKMANLIKE MANNER. WHEN FIELD CONDITIONS INDICATE ANY VARIANCE FROM DETAILED METHODS, THE CONTRACTOR SHALL PROVIDE COMPREHENSIVE AND DETAILED DRAWINGS FOR OWNER REVIEW AND APPROVAL PRIOR TO MAKING THE CONNECTIONS.
- 13. UNLESS OTHERWISE INDICATED OR APPROVED, ALL BELOW GROUND DUCTILE IRON PIPE SHALL HAVE PUSH-ON OR MECHANICAL JOINTS, AND ALL ABOVE GROUND DUCTILE IRON PIPE SHALL HAVE FLANGED JOINTS. ALL JOINTS SHALL BE FULLY RESTRAINED.
- 14. ALL PIPELINES SHALL HAVE A MINIMUM COVER OF 36" BELOW EXISTING GRADE UNLESS OTHERWISE NOTED OR DIRECTED.
- 15. WATER SHALL NOT BE PERMITTED IN EXCAVATIONS AND TRENCHES DURING CONSTRUCTION. DEWATERING IS REQUIRED TO A MINIMUM OF 18" BELOW BOTTOM OF EXCAVATION.
- 16. THE CONTRACTOR SHALL NOT ALLOW ANY DISCHARGE OF RECLAIMED WATER TO LANDS AND/OR ADJACENT WATER BODIES OR STORM DRAINS. ANY LEAKAGE MUST BE CONTAINED AND TRANSFERRED BY THE CONTRACTOR.
- 17. ALL BELOW-GRADE FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON FOR ALL PIPE 4-INCHES AND GREATER IN DIAMETER.
- 18. ALL EXPOSED PIPING SHALL BE PAINTED WITH DESIGNATED COLORS ASSOCIATED WITH THEIR USAGE AS PROVIDED IN THE SPECIFICATIONS.
- 19. ALL NEW PIPELINES SHALL BE FLUSHED, PRESSURE TESTED, AND APPROVED PRIOR TO TIE-INS TO EXISTING FACILITIES. THE CONTRACTOR WILL BE ALLOWED TO USE TEMPORARY PLUGS FOR
- 20. ALL CONCRETE THRUST BLOCKS INSTALLED FOR TESTING PURPOSES AND NOT REQUIRED FOR THE PIPELINE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR PRIOR TO FINAL
- 21. CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL ALL EROSION, SEDIMENT AND TURBIDITY CONTROL MEASURES PRIOR TO CONSTRUCTION OF ANY COMPONENTS ASSOCIATED WITH THE PROJECT. SEDIMENT CONTROL INCLUDES SILT DAMS, TRAPS, EROSION PROTECTION, AND ANY OTHER APPURTENANCES NEEDED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS.
- 22. CONTRACTOR SHALL PROVIDE PROTECTIVE MATTING, FUEL CONTAINMENT AND ALL OTHER MATERIALS, EQUIPMENT AND LABOR TO PROTECT THE STAGING AREA DURING CONSTRUCTION.
- 23. CONTRACTOR SHALL, PRIOR TO BEGINNING CONSTRUCTION, SUBMIT A "FUELING SPILL PREVENTION PLAN" THAT SHALL CLEARLY INDICATE HOW FUEL SPILLS WILL BE PREVENTED WHEN FUELING BOTH WITHIN AND OUTSIDE OF THE STAGING AREA.
- 24. CONTRACTOR SHALL SUBMIT A DEWATERING PLAN FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. DEWATERING SHALL BE CONDUCTED IN ACCORDANCE WITH THE BMPS IDENTIFIED IN CHAPTER 4, 4.40 "DEWATERING" OF "THE FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL".

- 25. CONTRACTOR SHALL COORDINATE THE WORK SUCH THAT THE PLANTS SHALL STAY IN OPERATION AT ALL TIMES.
- 26. LINE INACTIVATIONS SHALL BE CONDUCTED AT OFF PEAK TIMES AS DICTATED BY PLANT OPERATIONS STAFF.
- 27. CONTRACTOR SHALL EMPLOY A PROFESSIONAL SURVEYOR, LICENSED IN THE STATE OF FLORIDA TO PERFORM CONSTRUCTION STAKING IN ACCORDANCE WITH RULE 61G17-6.004(3) OF THE FLORIDA ADMINISTRATIVE CODE.
- 28. ALL WORK, EQUIPMENT AND MATERIALS SHALL MEET OR EXCEED CURRENT MANATEE COUNTY STANDARDS UNLESS OTHERWISE NOTED HEREIN OR IN TECHNICAL SPECIFICATIONS.

RESTORATION AND MISCELLANEOUS NOTES THE CONTRACTOR SHALL PROVIDE AN ASPHALT PATCH FOR TRENCH AREAS CONSTRUCTED IN

EXISTING ROADWAYS. ADJUST ALL CASTINGS TO MATCH NEW PAVEMENT SURFACE.

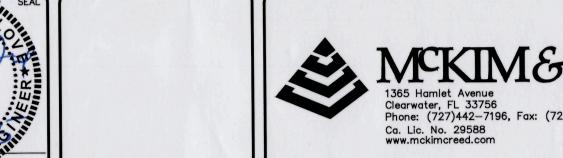
- THE CONTRACTOR SHALL REPLACE ALL EXISTING PAVING, STABILIZED EARTH, CURBS, SIDEWALKS, FENCES, LANDSCAPING AND OTHER IMPROVEMENTS WITH THE SAME OR BETTER TYPE OF
- 3. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS OTHERWISE NOTED.

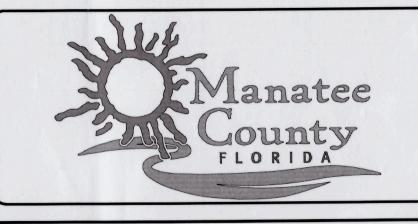
MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

- 4. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AND REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER UNLESS SHOWN TO BE REMOVED ON CONSTRUCTION PLANS.
- LIMITS OF PROPOSED ROADWAY OVERLAY SHOWN ARE APPROXIMATE. CONTRACTOR SHALL OVERLAY ALL DISTURBED AREAS OF ACCESS ROAD AS PART OF THIS PROJECT.
- 6. CONTRACTOR SHALL RESTORE ALL IRRIGATION SYSTEM COMPONENTS TO PRE-CONSTRUCTION CONDITIONS.
- 7. THE CONTRACTOR SHALL RAISE EXISTING MANHOLE FRAMES AND COVERS TO MATCH FINAL GRADE.
- 8. CONTRACTOR SHALL RESTORE GRADE TO PRECONSTRUCTION ELEVATIONS UNLESS OTHERWISE NOTED.

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G2	GENERAL NOTES AND DRAWING INDEX
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D2	RYE ROAD BOOSTER PUMP STATION DEMOLITION PLAN
D3	SPENCER PARRISH BOOSTER PUMP STATION DEMOLITION PLAN
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E6	BOOSTER PUMP STATIONS ELECTRICAL PLANS
	DOGOTETT TOTAL CHILDREN

DRAWING INDEX





MANATEE AGRICULTURAL REUSE SYSTEM-MANAGEMENT IMPROVEMENTS

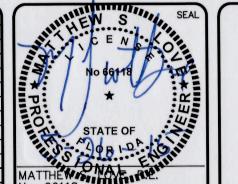
> GENERAL NOTES AND DRAWING INDEX

MARCH 2015	SCALE	
1024-0164	HODIZONITAL	
QES	HORIZONTAL:	
MSL		
DCW	VERTICAL:	
MSL		
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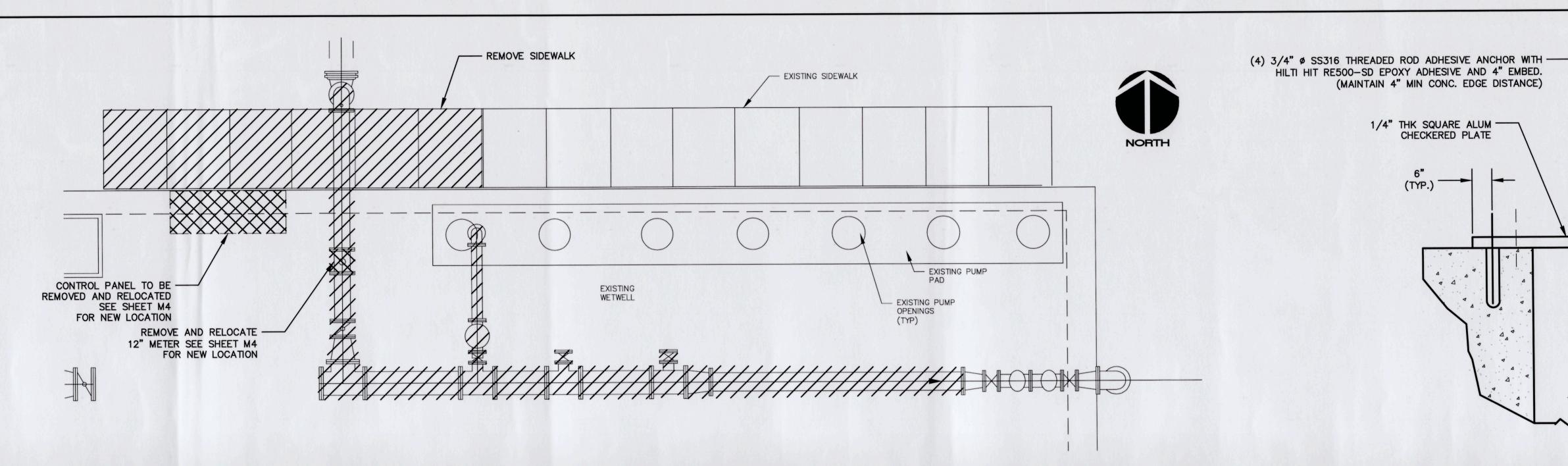
G2

ISSUED FOR BID

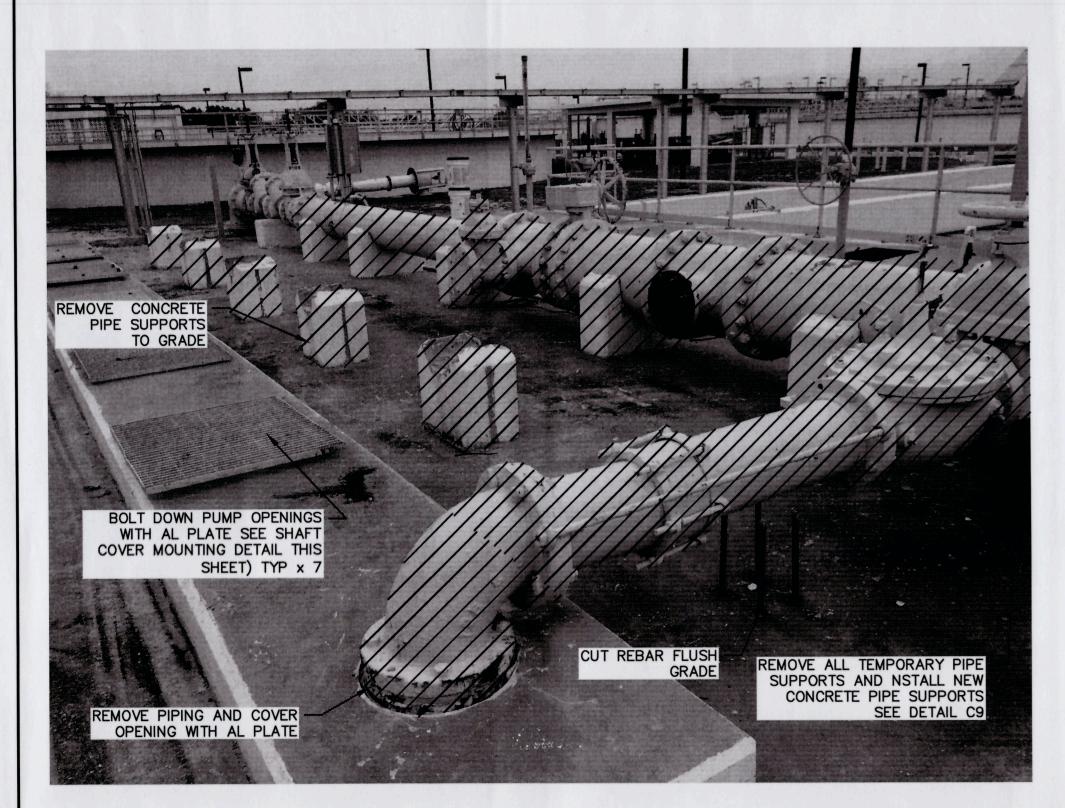
ADDENDUM #4

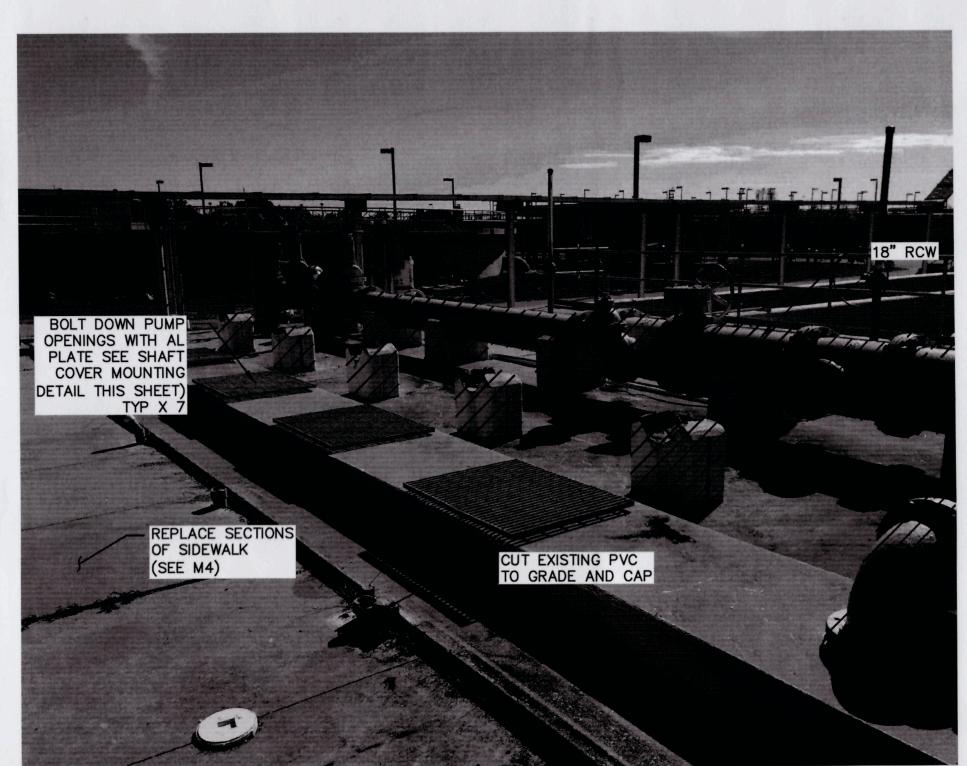






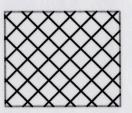
SWWRF EXISTING METER ASSEMBLY DEMOLITION SCALE: 1/4" = 1'-0"



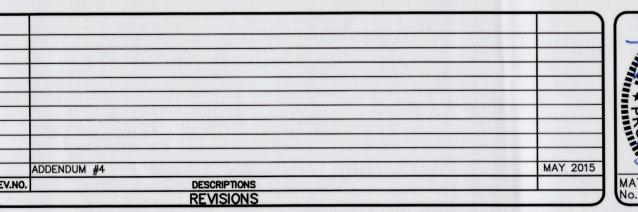


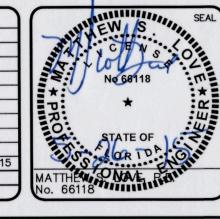
SWWRF EXISTING METER ASSEMBLY DEMOLITION SCALE: NTS

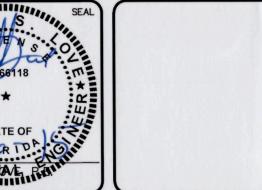




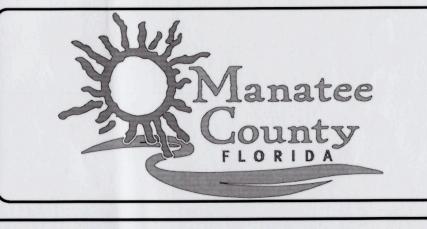
TO BE RELOCATED / ROTATED











MANATEE AGRICULTURAL REUSE SYSTEM-MANAGEMENT IMPROVEMENTS

1/4" THK SQUARE ALUM — CHECKERED PLATE

NOT TO SCALE

6" (TYP.)

SWWRF METER ASSEMBLY DEMOLITION

	Charles Control of the Land	
1	DATE:	MARCH 2015
	MCE PROJ. #	1024-0164
	DRAWN	QES
	DESIGNED	MSL
	CHECKED	DCW
	PROJ. MGR.	MSI

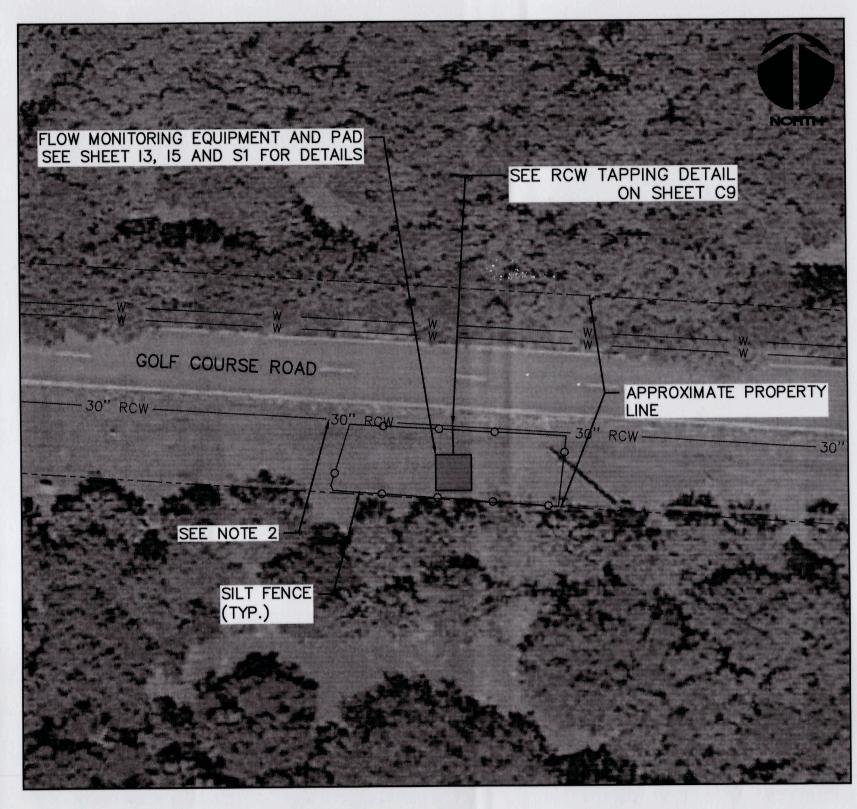
HORIZONTAL: VERTICAL:

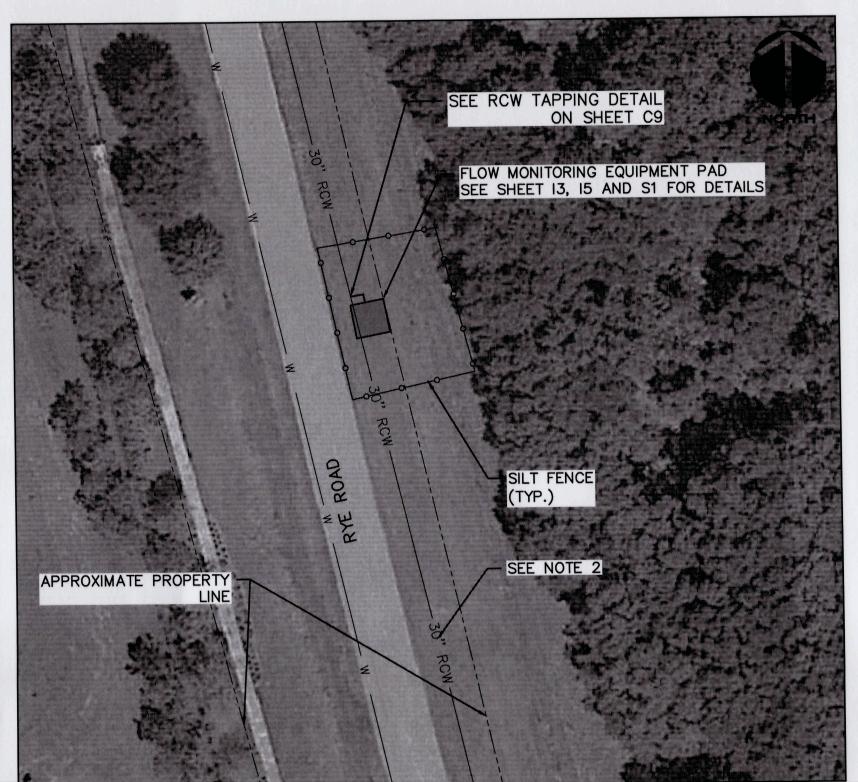
- EXISTING CONC.

- CIRCULAR SHAFT

SHAFT COVER COVERPLATE DETAIL

ISSUED FOR BID





GOLF COURSE ROAD LAT: 27°33'8.01"N LONG: 82°22'56.18"W

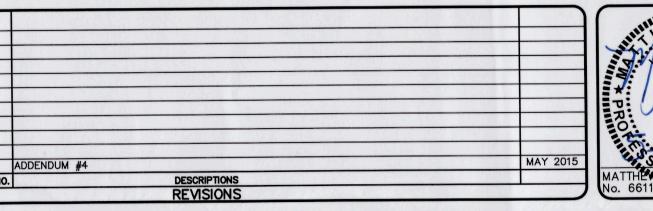
RYE ROAD LAT: 27°31'19.86"N LONG: 82°21'59.44"W

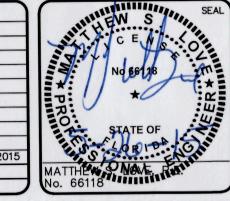
LOCATION	UPGRADE FLOW METER (SEE SPECIFICATIONS)	MONITORING	INSTALL NEW SOLAR RTU AND ANTENNA TOWER (SEE 15)	CONNECT TO AND UPGRADE EXISTING RTU (SEE SPECIFICATIONS)	INSTALL PRESSURE SUSTAINING VALVE (SEE M5)	INSTALL GRAVEL BASE & SUPPORTS (SEE M6)	REFURBISH FLOW METER ASSEMBLY SEE (M5 OR M6)
MANATEE FRUIT BOLLETTIERI	X		X		X		X
MANATEE FRUIT 66TH STREET	X		X				X
MANATEE FRUIT 53RD & 51 STREET	X		X				X
MANATEE FRUIT CORTEZ & 71ST STREET	X		X				X
MANATEE FRUIT CORTEZ & 75TH STREET	X		X				X
MANATEE FRUIT CORTEZ AND 82ND STREET	X		X		X		X
McCLURE WEST	X		X			X	X
McCLURE EAST	X	X	X			X	X
LIFT STATION 237		X		X			
LIFT STATION 147		X		X			
LIFT STATION 440		X		X			
GOLF COURSE ROAD		X	X				
RYE ROAD		X	X				
BUFFALO CREEK	X			X			X
ADDITIONAL PRESSURE SITE**		X	X				

*TABLE OF FOR REFERENCE ONLY. DETAILS OF IMPROVEMENTS AT EACH SITE ARE CONTAINED IN SPECIFICATIONS.

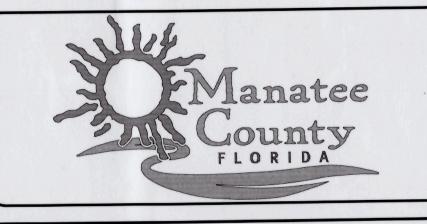
** LOCATION TO BE DETERMINED DURING CONSTRUCTION.

REMOTE SITE IMPROVEMENTS MATRIX*









MANATEE AGRICULTURAL REUSE SYSTEM-MANAGEMENT IMPROVEMENTS

REMOTE SITE LOCATIONS 3

DATE:	MARCH 2015
MCE PROJ. #	1024-0164
DRAWN	QES
DESIGNED	MSL
CHECKED	DCW
PROJ. MGR.	MSL

REMOTE SITE NOTES:

PERFORM WORK.

PROPERTY OWNER.

INFRASTRUCTURE.

1. TRIM TREES AND BRUSH AS NECESSARY TO

2. CONTRACTOR TO COORDINATE WITH ENGINEER

FOR WORK WITHIN THE SILT FENCE LIMITS

SHOWN FROM THE PROPERTY OWNERS.THE

ARRANGING ACCESS TO THE SITE WITH THE

PRESERVE AND PROTECT PRIVATE PROPERTY

PRESERVE AND PROTECT PRIVATE PROPERTY

DAMAGE TO PRIVATE PROPERTY OR EXISTING

WILL BE THE SOLE RESPONSIBILITY OF THE

MEASURES SHALL BE USED AND IN PLACE PRIOR TO START OF CONSTRUCTION.

7. SEE SHEET II AND C6 FOR ITEMS TO BE

IS APPROXIMATE USING BEST INFORMATION AVAILABLE. CONTRACTOR

TO LOCATE PIPE PRIOR TO CONSTRUCTION.

EQUIPMENT PAD. THE OWNER HAS PERMISSION

AND OWNER ON THE LOCATION OF THE

COUNTY WILL BE RESPONSIBLE FOR

3. THE CONTRACTOR MUST TAKE CARE TO

AND EXISTING UTILITY INSTALLATIONS.

4. THE CONTRACTOR MUST TAKE CARE TO

ADJACENT TO WORK SITE AND EXISTING

5. THE SITE MUST BE RESTORED TO ORIGINAL

CONDITION OR BETTER UPON

REPLACEMENT DUE TO

INFRASTRUCTURE

CONTRACTOR.

CONSTRUCTION.

COMPLETION OF WORK. REPAIR OR

6. SOIL EROSION AND SEDIMENT CONTROL

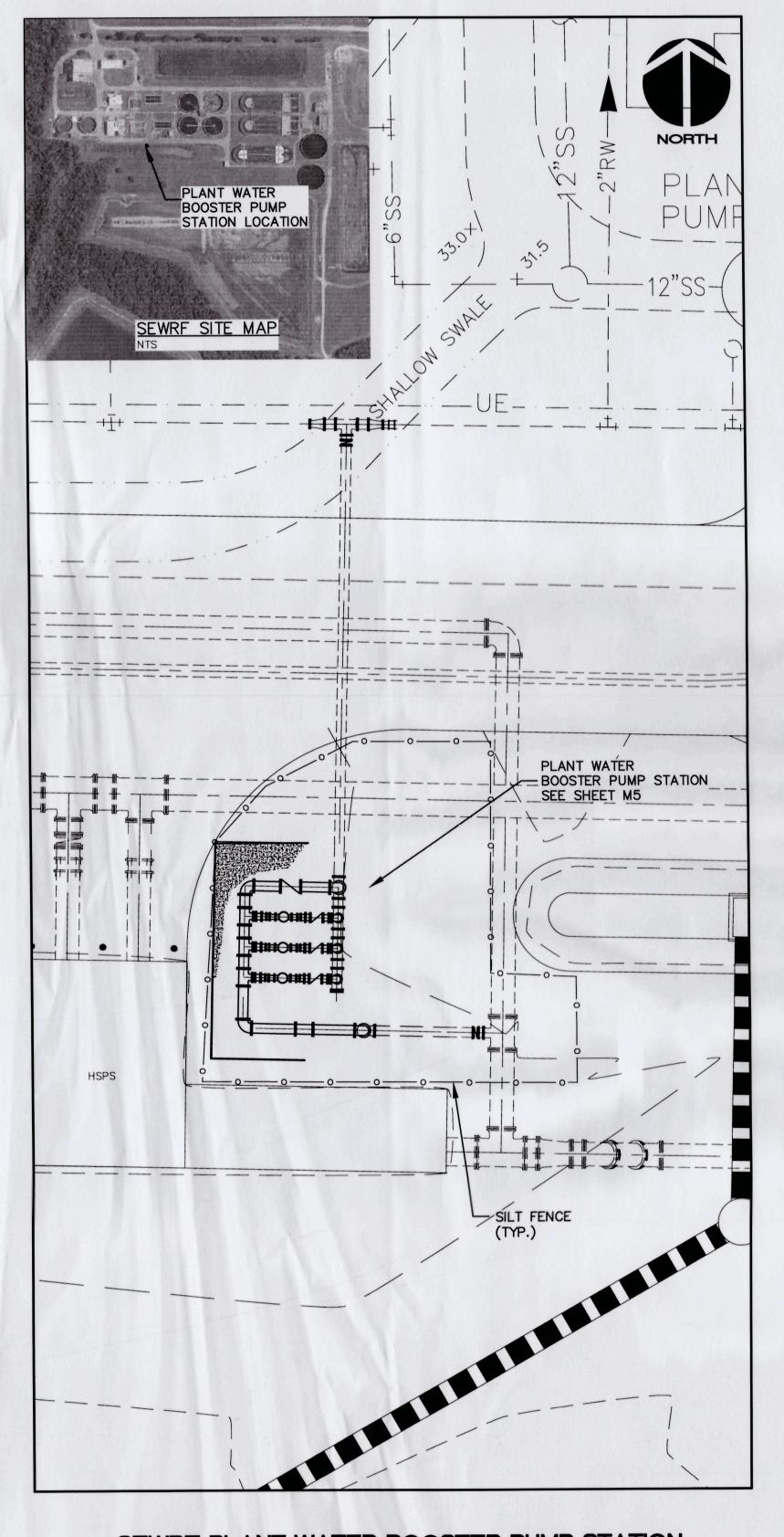
CONTRACTOR SHALL FOLLOW BEST MANAGEMENT PRACTICES THROUGHOUT

MONITORED AT EACH LOCATION.

8. THE EXISTING RCW MAIN LOCATION

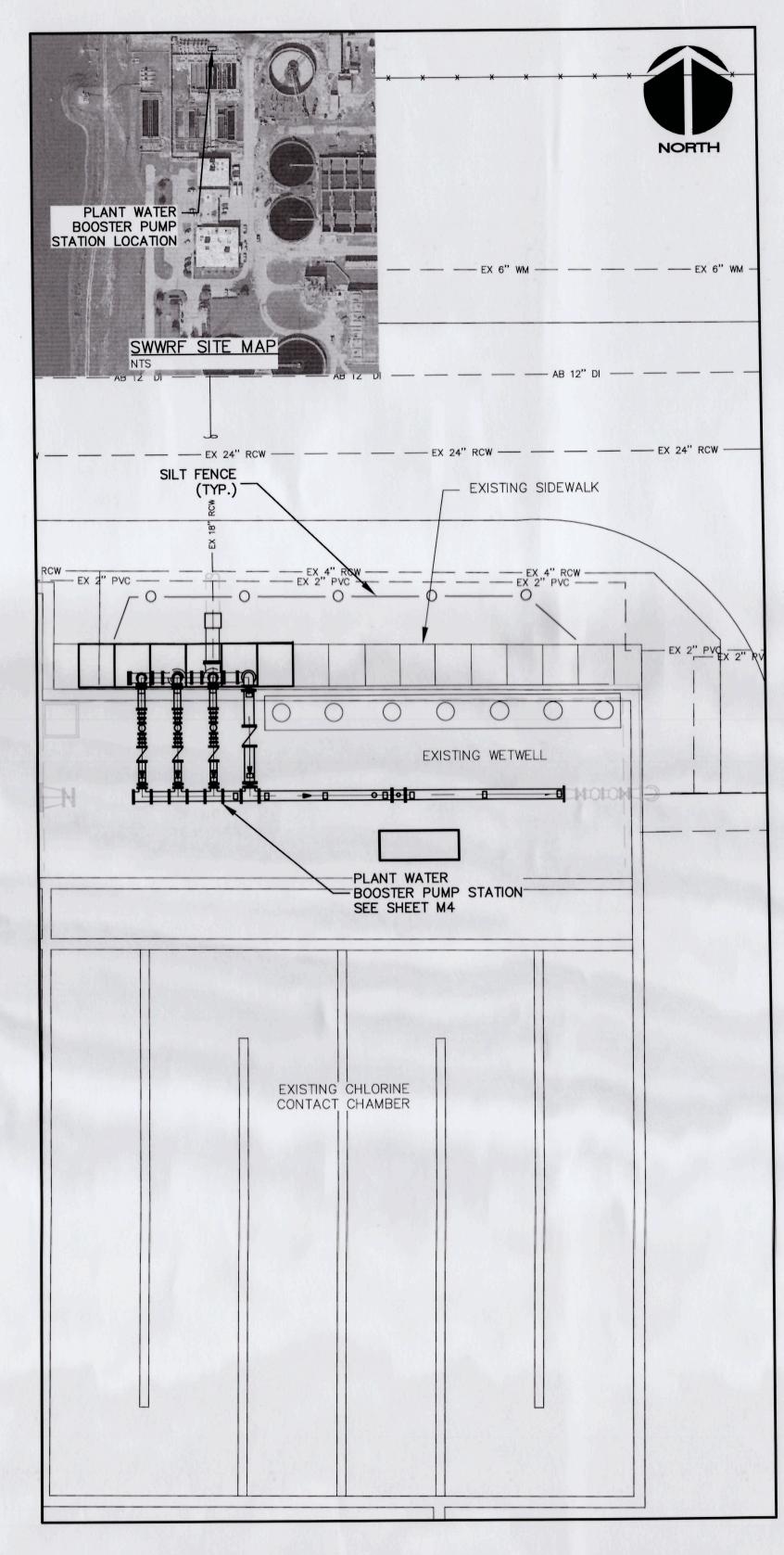
HORIZONTAL:

ISSUED FOR BID

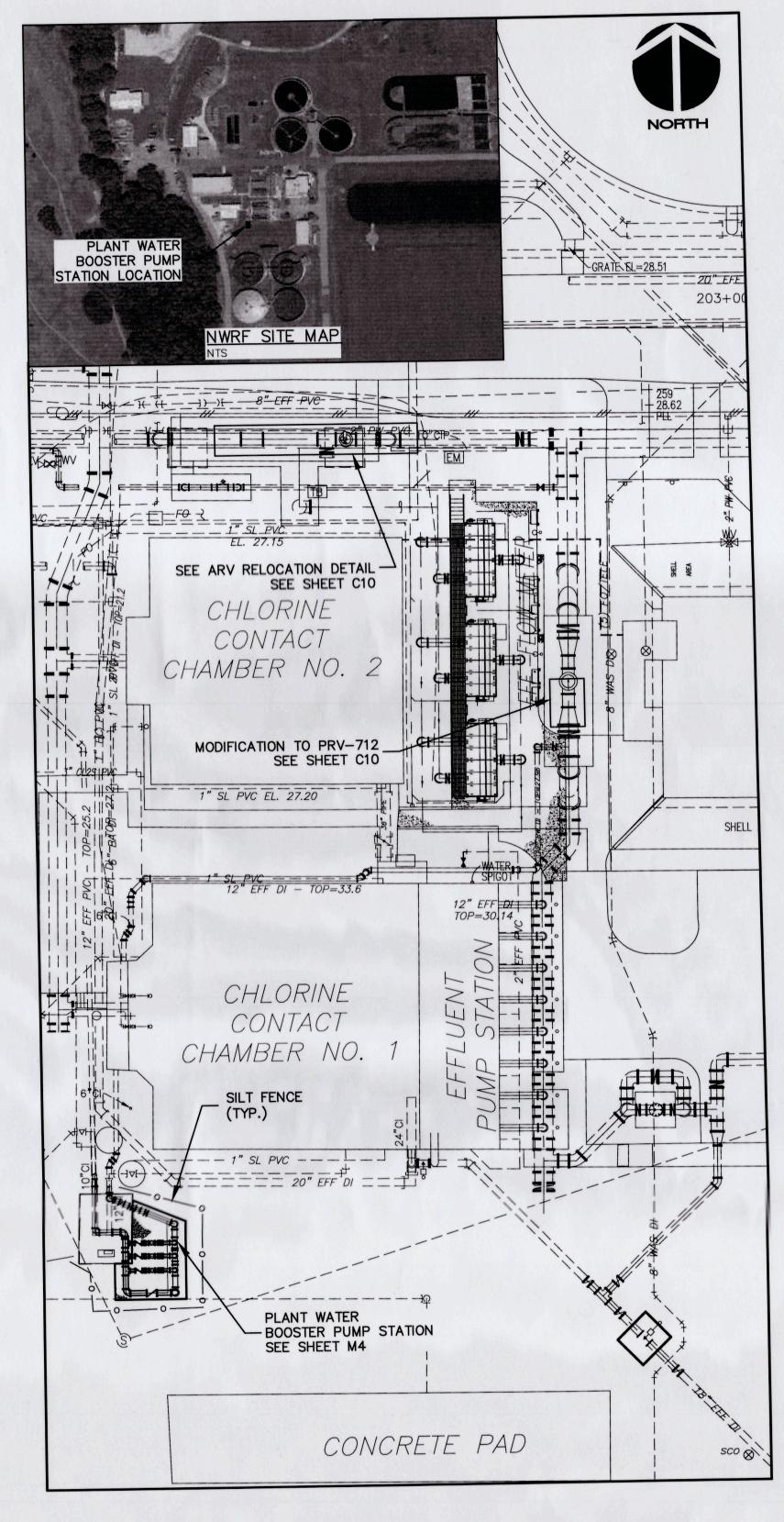


SEWRF PLANT WATER BOOSTER PUMP STATION

1" = 10'

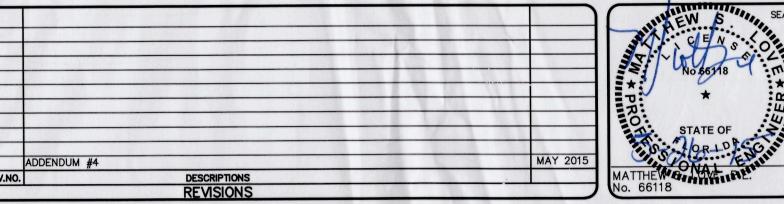


SWWRF PLANT WATER BOOSTER PUMP STATION 1" = 10'



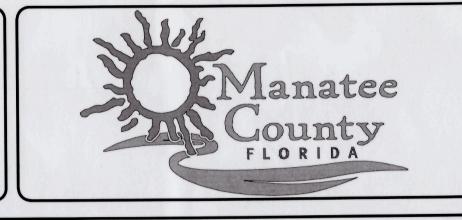
NWRF PLANT WATER BOOSTER PUMP STATION

1" = 20'









MANATEE AGRICULTURAL REUSE SYSTEM-MANAGEMENT IMPROVEMENTS

PLANT WATER BOOSTER PUMP STATION SITE PLANS

Rick of ALLES		_
ATE:	MARCH 2015	
CE PROJ. #	1024-0164	Н
RAWN	BFN	
ESIGNED	MSL	1
HECKED	DCW	
ROJ. MGR.	MSL	
		-

HORIZONTAL AS SHOWN VERTICAL:

C11

ISSUED FOR BID