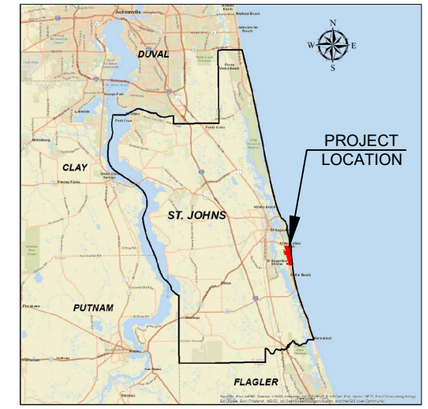
CITY OF ST. AUGUSTINE BEACH, FLORIDA

OCEAN HAMMOCK PARK - PHASE 2



VICINITY MAP (NTS)

A1A BEACH BOULEVARD, PARCEL NO. 172570-0020

ST. AUGUSTINE BEACH, FL 32080

PROJECT NUMBER 22-001-PWD

FEBRUARY 2022

CITY OF ST. AUGUSTINE BEACH CITY COMMISSIONERS

SEAT 1: VACANT
SEAT 2: DYLAN RUMRELL
SEAT 3: UNDINE GEORGE
SEAT 4: MARGARET ENGLAND (MAYOR)
SEAT 5: DON SAMORA (VICE MAYOR)

CITY MANAGER: MAX ROYLE

OWNER / DEVELOPER:

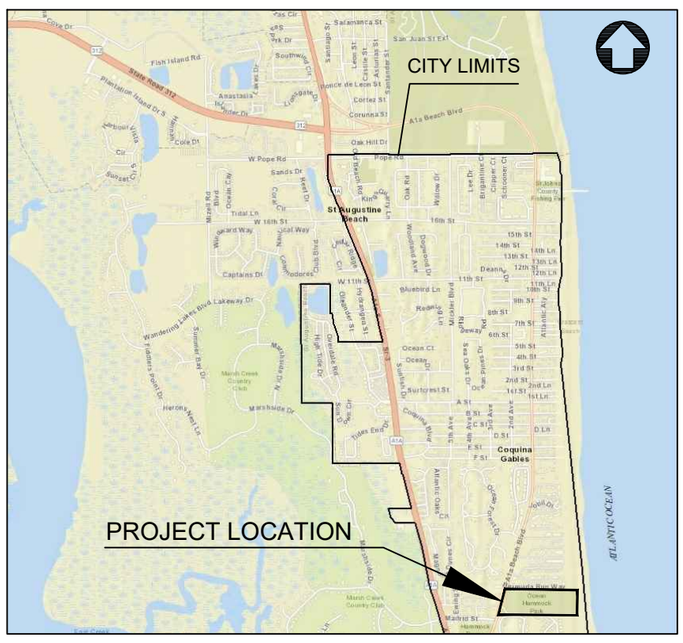
CITY OF ST. AUGUSTINE BEACH

2200 S.R. A1A SOUTH
ST. AUGUSTINE BEACH, FL 32080
CONTACT: WILLIAM TREDIK
PHONE: (904) 471-1119
EMAIL: btredik@cityofsab.org

INVESTIGATE BEFORE YOU EXCAVATE

"CALL SUNSHINE" 811 or 1-800-432-4770

FLORIDA STATUTE 556, UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY (2016), REQUIRES A MIN. OF 2 DAYS AND A MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE.



LOCATION MAP (NTS)

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS WERE PRODUCED AT 24"X36." CONSIDERATION SHOULD BE TAKEN WHEN SCALING DATA FROM PLANS WHICH ARE NOT OF THE ORIGINAL PRODUCTION SIZE.

INDEX OF DRAWINGS

SHEET NO.	TITLE
C-1	COVER SHEET
C-2	GENERAL NOTES
C-3	EXISTING CONDITIONS
C-4	SITE PLAN
C-5	HORIZONTAL GEOMETRY PLAN
C-6	GRADING PLAN
C-7	UTILITY PLAN
C-8	SEWER LIFT STATION
C-9	UTILITY NOTES AND DETAILS
C-10	UTILITY DETAILS
C-11	DETAILS

NOTE:
THE STANDARD AND TYPICAL DETAIL INFORMATION ON THE FOLLOWING SHEETS IS SUBMITTED FOR INFORMATIONAL PURPOSES ONLY. THE ENGINEER DOES NOT ACCEPT RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE STANDARD AND TYPICAL DETAIL INFORMATION.

REVISIONS

DATE	BY	REVISION
2/04/2022	WJT	UTILITY MODIFICATIONS PER SJCUD COMMENTS

William J. Tredik, P.E. License No. 47567

Digitally signed by William J. Tredik, P.E. License No. 47567
Date: 2022.02.14 17:04:32 -05'00'

WILLIAM J. TREDIK, PROFESSIONAL ENGINEER,
STATE OF FLORIDA, LICENSE NO. 47567
THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY WILLIAM J. TREDIK, PE, ON 02/14/2022 USING A SHA AUTHENTICATION CODE.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELATIVE SECTIONS OF THE CITY OF ST. AUGUSTINE BEACH STANDARDS AND STANDARD DETAILS, (LATEST REVISIONS) UNLESS A MORE STRINGENT REQUIREMENT IS FOUND IN THE JOHNS COUNTY STANDARDS AND/OR ST. JOHNS COUNTY LAND DEVELOPMENT CODE.
2. THE CONTRACTOR SHALL APPLY FOR AND SECURE ALL BUILDING PERMITS NECESSARY TO CONSTRUCT THE PROJECT. INITIAL BUILDING PERMIT FEES WILL BE PAID BY THE OWNER. ANY REAPPLICATION FEES WILL BE PAID BY THE CONTRACTOR.
3. ANY DISCREPANCIES BETWEEN THESE NOTES AND THE CITY OF ST. AUGUSTINE BEACH OR ST. JOHNS COUNTY STANDARDS, THE MORE STRINGENT STANDARD SHALL APPLY.
4. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES OF HIS EMPLOYEES, AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH O.S.H.A. REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTORS BID.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF/HERSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUB-SURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THIS CONTRACT. THE CONTRACTOR IS ALSO REQUIRED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF THE PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EITHER CONDUCT ANY FIELD EXPLORATION OR ACQUIRE ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL THAT WILL REQUIRE REMOVAL AND/OR TO ESTIMATE THE AMOUNT OF OFF SITE BORROW THAT WILL BE REQUIRED.
7. ALL IMPROVEMENTS SHOWN ARE TO BE WARRANTED BY THE CONTRACTOR TO THE CITY OF ST. AUGUSTINE BEACH FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE CITY OF ST. AUGUSTINE BEACH.
8. "AS-BUILT" DRAWINGS - AS-BUILTS TO THE CITY OF ST. AUGUSTINE BEACH ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR, THEREFORE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION, FIELD LOCATIONS, CERTIFICATION, AND SUBMITTAL OF "AS-BUILT" DRAWINGS IN ACCORDANCE WITH CURRENT CITY OF ST. AUGUSTINE BEACH. STANDARDS, SPECIFICATIONS AND SJRWMD REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCESS THE "AS-BUILT" DRAWINGS FOR APPROVAL BY THE ENGINEER.
9. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ALL OTHER CONTRACTORS. IN THE EVENT OF ANY CONFLICT WHATSOEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
10. ALL CLEARING AND GRUBBING REQUIRED FOR ALL ROADWAY, UTILITIES, DITCHES, AND BERMS INCLUDED IN THIS PROJECT AND THE CLEARING AND GRUBBING OF ALL RIGHT-OF-WAY OR EASEMENTS SHALL BE CONSIDERED AS PART OF THE PROJECT.
11. ALL AREAS SHOWN TO BE FILLED SHALL BE CLEARED AND GRUBBED IN ACCORDANCE WITH THE CITY OF ST. AUGUSTINE BEACH SPECIFICATIONS AND SHALL BE FILLED WITH CLEAN STRUCTURAL FILL COMPACTED AND TESTED.
12. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTRACT THE SURVEYOR OF RECORD FOR REINSTALLATION OF THE MONUMENT.
13. ALL DEBRIS RESULTING FROM ALL SITE WORK ACTIVITIES SHALL BE IMMEDIATELY DISPOSED OF OFF-SITE BY CONTRACTOR.
14. ALL EXCESS SUITABLE AND UNSUITABLE MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE BY THE CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR OWNER.
15. ALL EXISTING PROTECTED TREES DESIGNATED AS REMAINING IN THEIR ORIGINAL PLACEMENT SHALL BE PROTECTED DURING CONSTRUCTION AND CLEARING FROM PERMANENT DAMAGE TO ANY PART OFTHE TREE INCLUDING ROOTS, TRUNKS AND CANOPY.
16. BURNING OF TREES, BRUSH, AND OTHER MATERIAL IS PROHIBITED.
17. PROVIDE CONSTRUCTION JOINTS @ 5' O.C. AND EXPANSION JOINTS @ 25' O.C. ON ALL SIDEWALKS.
18. THE CITY PUBLIC WORKS DEPARTMENT REQUIRES TWENTY-FOUR HOURS (24-HR) NOTICE ON ALL MEETINGS AND OR TESTING MEASURES RELATED TO SAID PROJECT.
19. CONSTRUCTION WARNING SIGNS ARE TO BE POST-MOUNTED AND ERECTED BEFORE CONSTRUCTION CAN COMMENCE. THESE AND ALL TRAFFIC CONTROL DEVICES SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS WELL AS FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEXES.
20. ALL SUB BASE SHALL BE FIRM AND UNYIELDING.
21. ALL JOINTS OF PIPE REGARDLESS OF MATERIAL TYPE SHALL BE WRAPPED WITH FABRIC FILTER CLOTH PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD INDEX 280.
22. ALL DISTURBED AREAS SHALL BE SOLID SODDED. SOD SHALL MATCH EXISTING.
23. ALL INFORMATION REQUESTED BY THE ENGINEER AND THE CITY OF ST. AUGUSTINE BEACH SHALL BE IN HAND AT THE TIME OF THE FINAL INSPECTION. NO CONDITIONAL SUBSTANTIAL OR FINAL CONDITIONS SHALL BE GIVEN.
24. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO EXCAVATION AND TAKE ALL MEASURES NECESSARY TO PROTECT UTILITIES DURING CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE UTILITY COMPANY, THE ENGINEER AND THE CITY.
25. ANY MAILBOX THAT IS IMPACTED BY THE CONSTRUCTION OF THIS PROJECT IS TO BE REPLACED IN KIND BY THE CONTRACTOR.
26. A COPY OF THE CONTRACTORS GENERAL LICENSE AND OR UNDERGROUND UTILITY LICENSE SHALL BE PROVIDED IN THE BID.
27. ANY APPLICABLE ST JOHNS COUNTY RIGHT-OF-WAY PERMIT, ST JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD) OR FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) PERMITS SHALL BE PROVIDED BY THE CITY BY THE PRE-CONSTRUCTION CONFERENCE. NO WORK SHALL BEGINE WITHOUT ALL APPLICABLE PERMITS ON FILE.
28. THERE SHALL BE A MINIMUM THREE (3) DAYS NOTICE GIVEN FOR SCHEDULING THE FINAL INSPECTION.
29. FIVE DAYS PRIOR TO THE FINAL INSPECTION, TWO (2) SETS OF BLUE LINE AS-BUILTS AND COPY ON DISK IN AUTO CAD FORMAT SHOWING THE FOLLOWING, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
30. CONTRACTOR SHALL TAKE MEASURES TO PROTECT EXISTING POWER POLES, GUT WIRES AND OVERHEAD LINES WITHOUT RELOCATION
31. CONTRACTOR SHALL TAKE MEASURES TO PROTECT EXISTING SIDEWALK AGAINST DAMAGE FROM HEAVY EQUIPMENT. SIDEWALK EXISTING CONDITION TO BE VIDEOTAPED AND SECTIONS DAMAGED DURING CONSTRUCTION, REMOVED AND REPLACED.
32. ELEVATIONS SHOWN ON THE PLANS REFERENCE NORTH AMERICAN VERTICAL DATUM OF 1998 (NAVD-1988)

AS-BUILT REQUIREMENTS FOR CITY DEPARTMENT OF PUBLIC WORKS

1. THE ORIGINAL APPROVED ENGINEERING PLAN BY THE REGISTERED PROFESSIONAL ENGINEER MUST BE USED AS THE BASE OF THE AS-BUILT. THERE WILL BE NO EXCEPTION.
2. A LINE SHALL BE PLACED THROUGH THE PLAN ELEVATION AND THE ADDED NEW ELEVATION SHALL BE PLACED BESIDE IT.

EXAMPLE:

TYPE "C" INLET
TOP EL. = ~~11.50~~ 11.45
SLOT EL. = ~~11.00~~ 10.97
INV. EL. = ~~9.25~~ 9.27

AS-BUILT INFORMATION						
STR. NO.	TYPE	STATION/TIE	GRATE EL.	INV.	INV.	INV. OUT
19	CI	16+02 LT60'	~~12.82~~ 13.67	~~11.10(N)~~ 11.49	~~11.10(S)~~ 11.47	~~11.07~~ 11.27

PIPE	SIZE	LENGTH	SLOPE %
P-1	18" RCP	~~135~~ 140	~~0.55%~~ 0.69%

3. ALL STORM AND UNDER-DRAIN STRUCTURES ARE TO BE LOCATED FROM THE CENTER OR PROPERTY LINE. ALL TOP, SLOT, AND INVERT ELEVATIONS ARE TO BE SHOWN.
4. ALL SIZES, LENGTHS, AND SLOPE PERCENTAGES SHALL BE SHOWN ON ALL PIPE RUNS.
5. ALL SWALES SHALL BE LOCATED WITH SPOT ELEVATIONS AT ONE HUNDRED-FOOT (100') INTERVALS.
6. ELEVATIONS ON ALL TEMPORARY DITCHES AT ONE HUNDRED FOOT (100') INTERVALS.

DELIVER AS-BUILTS TO THE CITY DEPARTMENT OF PUBLIC WORKS OFFICE. IF ANY REVISIONS ARE NEEDED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR FOR DROP OFF, PICK UP OR RESUBMITTAL.

IN ORDER TO SCHEDULE A FINAL INSPECTION ALL REVISIONS WILL NEED TO BE MADE. THE FINAL AS-BUILT SHALL BE ONE REPRODUCIBLE COPY SIGNED AND SEALED BY A STATE OF FLORIDA REGISTERED PROFESSIONAL SURVEYOR.

WATER AND SEWER NOTES

1. EXISTING UNDERGROUND UTILITIES HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL NOTIFY THE PROPER UTILITY REPRESENTATIVE PRIOR TO COMMENCING EXCAVATION NEAR THE UTILITY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES AND OBSTRUCTION BOTH ABOVE AND BELOW THE GROUND SURFACE. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
2. ANY IMPACTS TO EXISTING IRRIGATION LINES, VALVES, ETC. SHALL BE FIXED IMMEDIATELY AT THE CONTRACTORS EXPENSE.

DEMOLITION NOTES

1. CONTRACTOR SHALL CONTACT LOCAL UTILITY COMPANY PERSONNEL FOR LOCATION OF UNDERGROUNG UTILITIES INCLUDING BUT NOT LIMITED TO WATER, SEWER, TELEPHONE, ELECTRIC, CABLE, FIBER OPTIC, FORCE MAIN & IRRIGATION LINES BEFORE ANY DEMOLITION COMMENCES.
2. CONTRACTOR SHALL CONTACT LOCAL UTILITY COMPANY PERSONNEL TO COORDINATING THE REMOVAL AND RELOCATION OF ABOVE GROUND UTILITIES INCLUDING BUT NOT LIMITED TO POWER POLES, GUY WIRES, ELECTRIC BOXES, ETC.
3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INCLUDING TREE REMOVAL PERMIT FROM THE CITY OF ST. AUGUSTINE BEACH. ALL WORK SHALL PROCEED IN ACCORDANCE WITH PERMIT REQUIREMENTS.
4. CONTRACTOR SHALL INSTALL AND MAINTAIN ADEQUATE BARRICADES TO IDENTIFY ONSITE TRAFFIC LIMITS AT ALL STAGES OF DEMOLITION.
5. RUBBLE FROM DEMOLITION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A STATE APPROVED SITE AT THE CONTRACTOR'S EXPENSE. THE STORAGE, STOCKPILING OR BURIAL OF DEBRIS ON SITE IS NOT PERMITTED.
6. CONTRACTOR SHALL REMOVE ANY OTHER MISCELLANEOUS ITEMS NOT SPECIFICALLY SHOWN BUT WHICH IMPEDE THE FUNCTION OF THE PROPOSED PLAN. CONTRACTOR SHALL COORDINATE WITH ENGINEER PRIOR TO SUCH REMOVAL.
7. THE CONTRACTOR SHALL VERIFY THE EXISTENCE OR NONEXISTENCE OF ALL HAZARDOUS MATERIALS PRIOR TO ANY DEMOLITION. THE REMOVAL AND DISPOSAL OF ANY AND ALL HAZARDOUS MATERIALS SHALL BE IN COMPLETE COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL AGENCY REGULATIONS.
8. UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRATOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO ANY DEMOLITION.
9. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY DISTURBED DRIVEWAYS AND SIDEWALKS.
10. CONTRACTOR TO COORDINATE DEMOLITION PLANS WITH DESIGN PLANS PRIOR TO CONSTRUCTION.

CONSTRUCTION CONFORMANCE NOTE

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED TO CONFORM WITH TYPICAL SECTIONS, DETAILS, FINAL GRADING AND INDICATED EXISTING CONDITIONS. THE CONTRACTORS USE OF ANY SPECIFIC PROCEDURES, MEANS, METHODS OR SUPPORTING TECHNICAL REFERENCE INFORMATION SUCH AS SURVEY BENCHMARKS IS DEEMED AT THE CONTRACTORS RISK. SHOULD USE RESULT IN CONSTRUCTION NOT CONSISTENT WITH THE PLANS AND SPECIFICATIONS, THE CONTRACTOR WILL BE REQUIRED TO CORRECT THE WORK TO MATCH THE INTENT OF THE PLANS AND SPECIFICATIONS.

PAVING AND DRAINAGE NOTES

1. ALL PIPE LENGTHS ARE SCALED DIMENSIONS.ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM WITH TYPICAL SECTIONS AND DETAILS AS SHOWN ON THE DETAILS SHEET AND IN ACCORDANCE WITH THE SPECIFICATIONS.
2. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND THE SPECIFICATIONS AND STANDARDS.
3. LOCATION, EXISTENCE OR NON-EXISTENCE OF ANY UTILITY DOES NOT CONSTITUTE RESPONSIBILITY OF THE ENGINEER.
4. THE CONTRACTOR SHALL NOTIFY ST JOHNS COUNTY UTILITY DEPARTMENT (SJCUD) AND ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION FOR VERIFICATION AND LOCATION OF ANY UTILITY.
5. GRADES SHOWN ON PLANS ARE FINISHED GRADES UNLESS OTHERWISE NOTED.
6. SHOULD THE SURFACE OR SUB-SURFACE CONDITIONS VARY FROM WHAT IS SHOWN ON THESE PLANS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
7. CARE SHALL BE EXERCISED TO AVOID DAMAGE TO EXISTING ABOVE AND IN-GROUND UTILITIES INCLUDING BUT NOT LIMITED TO TELEPHONE, WATER, GAS, CABLE, ELECTRIC FIBER OPTIC AND SEWER LINES.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION WARNING SIGNS ALONG THE CONNECTOR ROAD DURING THE COURSE OF CONSTRUCTION.
9. ALL STORM SEWER PIPES SHALL BE CUT FLUSH WITH THE INTERIOR WALL OF ANY TYPE MANHOLE OR CURB AND DITCH BOTTOM INLETS.
10. COMPACTION DENSITY TESTS FOR ALL WATER AND SEWER CROSSINGS WILL START THREE FEET (3') ABOVE THE PIPE.
11. IF THE APPROVED DESIGN REQUIRES THE INLET OR STORM RUN BE SURCHARGED, ALL INLETS SHALL BE INSPECTED BEFORE BEING EXPOSED TO THE SYSTEM.
12. TEST CYLINDERS SHALL BE RUN FOR ALL POURED-IN-PLACE CONCRETE STRUCTURES. THERE WILL BE THREE (3) TESTS PER EACH DAY POUR WITH A ONE (1) SEVEN (7) DAYBREAK AND TWO (2) TWENTY-EIGHT (28) DAYS BREAKS. 13. ALL MATERIAL USED FOR BACKFILL SHALL MEET A3 FREE DRAINING SAND STANDARDS.
14. THERE ARE TO BE NO OPENED TRENCHES AT DAY'S END.
15. ALL DIRT AND DEBRIS TRACKED OUT OF THE PROJECT SHALL BE CLEANED DAILY AND TO THE SATISFACTION OF THE CITY PUBLIC WORKS DEPARTMENT.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOPE A SITE SWPPP AND SECURE ANY NPDES NOI'S

SIGNAGE AND PAVEMENT MARKING NOTES

1. ANY EXISTING SIGNS WHICH INTERFERE WITH THE WORK SHOWN, SHALL BE REMOVED PRIOR TO BEGINNING OF WORK AND IMMEDIATELY REPLACED UPON COMPLETION OF WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING MAINTENANCE OF TRAFFIC PLANS AND THE INSTALLATION OF TEMPORARY SIGNAGE AS NECESSARY.
3. ALL SIGNS MUST MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS FOR ENGINEERING GRADE SIGN FACES IN REFLECTIVITY.
4. ALL FINAL PAVEMENT MARKINGS WITHIN THE RIGHTS-OF-WAY SHALL BE THERMOPLASTIC.
5. ALL SIGNS SHALL BE ON A TEN-FOOT (10') POLE A MINIMUM SEVEN FEET FROM THE GROUND.
6. STOP SIGNS SHALL BE A MINIMUM TWENTY-FOUR INCH BY TWENTY-FOUR INCH (24"x24")
7. STOP SIGNS ARE TO BE PLACED FOUR FEET (4') FROM THE BACK OF CURB, FOUR FEET (4') BEHIND CROSS WALKS AND ON THE RIGHT SIDE OF THE ROAD.
8. STREET SIGNS ARE TO BE LOCATED ON THE LEFT HAND CORNER OF THE INTERSECTION FOUR FEET (4') FROM THE BACK OF CURB.
9. STREET AND STOP SIGN COMBINATIONS ARE NOT ALLOWED.
10. ALL REGULATORY SIGNS SHALL BE BLACK AND WHITE. ALL CONSTRUCTION WARNING SIGNS SHALL BE ORANGE AND BLACK. ALL WARNING SIGNS SHALL BE YELLOW AND BLACK. ALL NO PARKING SIGNS AND STOP SIGNS SHALL BE RED AND WHITE.
11. STOP BARS SHALL BE TWENTY-FOUR INCHES (24") WIDE AND LANE WIDTH. ALL STOP BARS SHALL BE THERMOPLASTIC.
12. ALL SIGNS SHALL BE SIZED IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.

PROJECT NO. 21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

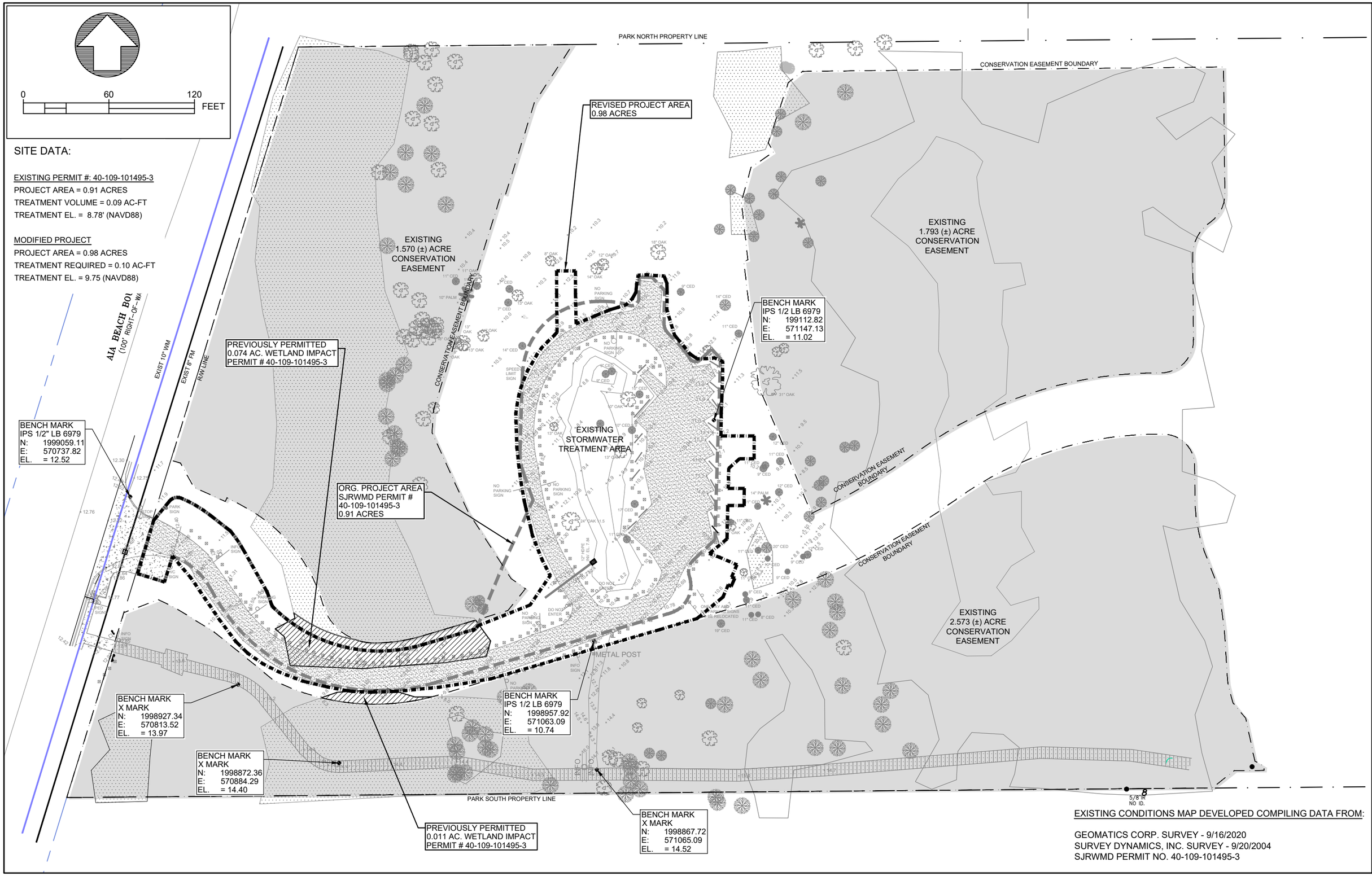
WILLIAM J. TREDIK, Professional Engineer, State of Florida, License No. 47567
This item has been electronically signed and sealed by William J. Tredik, PE, on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2
GENERAL NOTES

REVISIONS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO. C-2



SITE DATA:

EXISTING PERMIT #: 40-109-101495-3
PROJECT AREA = 0.91 ACRES
TREATMENT VOLUME = 0.09 AC-FT
TREATMENT EL. = 8.78' (NAVD88)

MODIFIED PROJECT
PROJECT AREA = 0.98 ACRES
TREATMENT REQUIRED = 0.10 AC-FT
TREATMENT EL. = 9.75 (NAVD88)

EXISTING CONDITIONS MAP DEVELOPED COMPILING DATA FROM:

GEOMATICS CORP. SURVEY - 9/16/2020
SURVEY DYNAMICS, INC. SURVEY - 9/20/2004
SJRWMD PERMIT NO. 40-109-101495-3

PROJECT NO.
21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

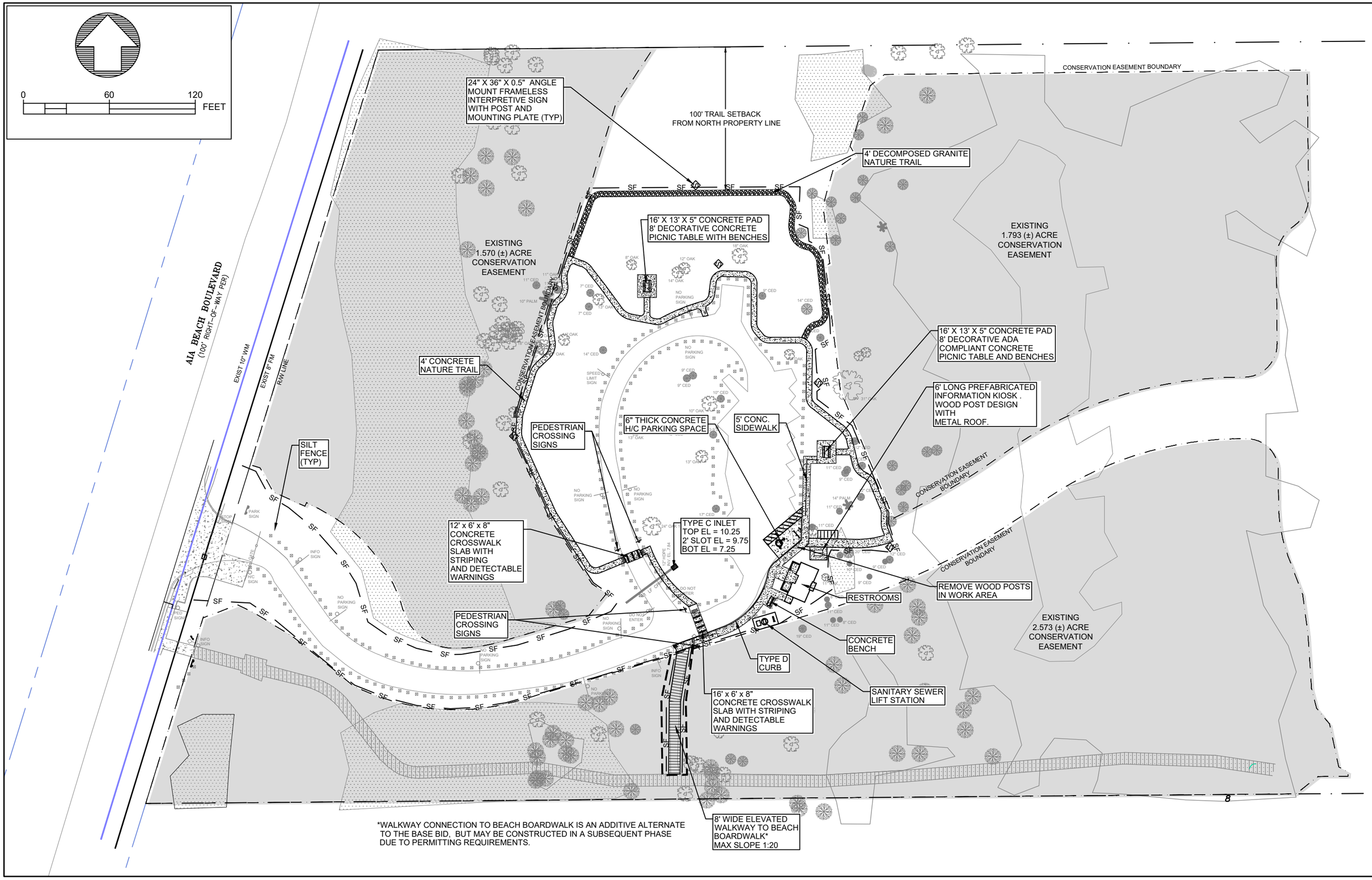
WILLIAM J. TREDIK, Professional Engineer, State of Florida License No. 75777
This item has been electronically signed and sealed by William J. Tredik, PE on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2
EXISTING CONDITIONS

REVISIONS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-3



*WALKWAY CONNECTION TO BEACH BOARDWALK IS AN ADDITIVE ALTERNATE TO THE BASE BID, BUT MAY BE CONSTRUCTED IN A SUBSEQUENT PHASE DUE TO PERMITTING REQUIREMENTS.

PROJECT NO. 21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

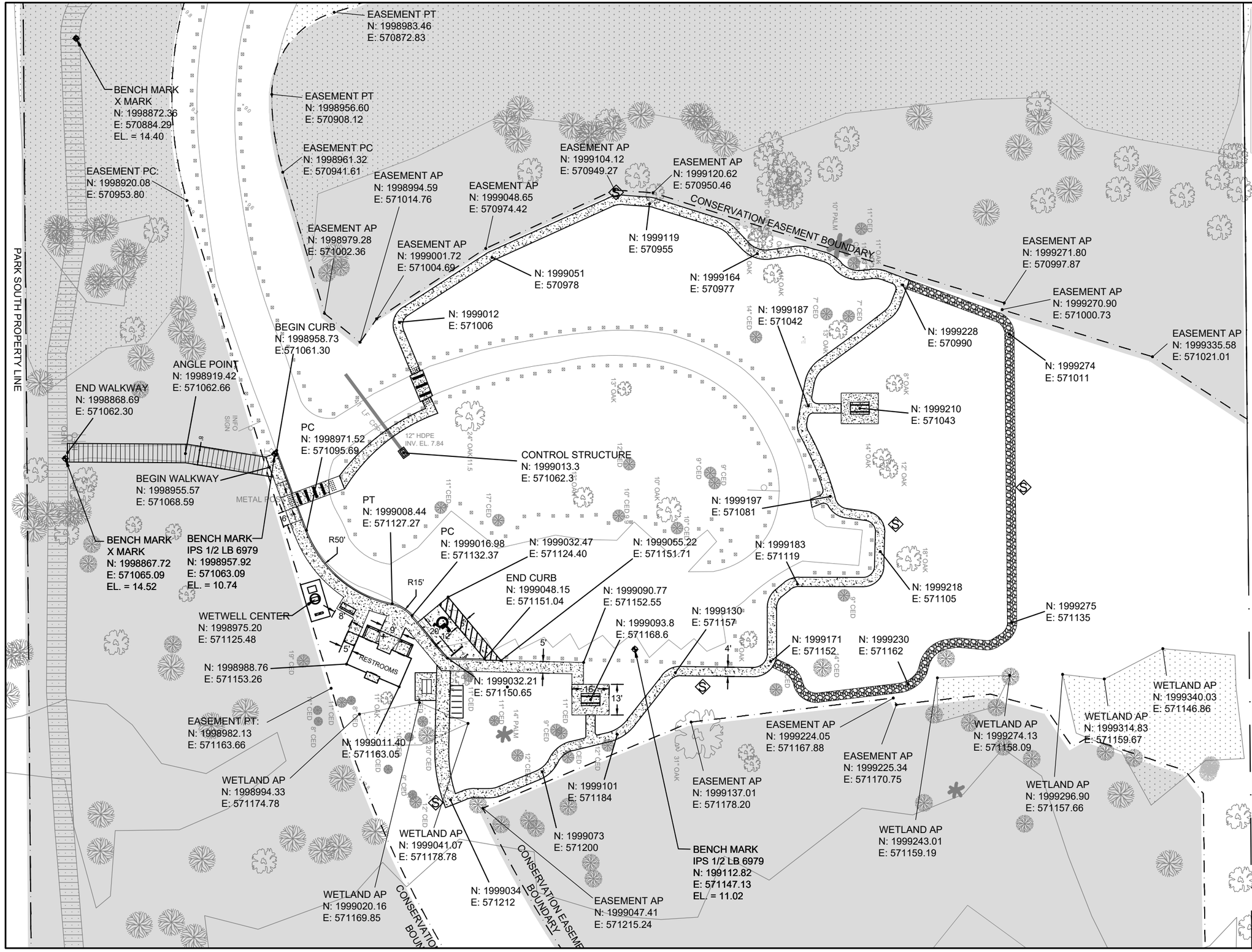
WILLIAM J. TREDIK, Professional Engineer, State of Florida License No. 67777
This item has been electronically signed and sealed by William J. Tredik, PE on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2
OVERALL SITE PLAN

REVISIONS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-4



NATURE TRAIL GEOMETRY NOTES:

1. CONTRACTOR MAY ADJUST NATURE TRAIL ALIGNMENT, WITH CITY APPROVAL, DUE TO TOPOGRAPHY, TREES AND OTHER SITE CONDITIONS.
2. CONTRACTOR SHALL INSTALL INTERPRETATIVE SIGNS AT LOCATIONS TO BE DETERMINED BY THE CITY.
3. CONTRACTOR TO FIELD LOCATE AND STAKE CONSERVATION EASEMENT AND/OR WETLAND BOUNDARIES ADJACENT TO ANY PROPOSED CONSTRUCTION PRIOR TO COMMENCEMENT OF WORK
4. NATURE TRAIL, TRAIL SHOULDERS AND SIGNS SHALL NOT BE PLACEED WITHIN WETLANDS OR CONSERVATION EASEMENTS.
5. NO WORK SHALL BE TAKE PLACE IN CONSERVATION EASEMENTS, EXCEPT CONSTRUCTION OF THE ELEVATED WALKWAY CONNECTING TO THE BEACH BOARDWALK.

PROJECT NO.
21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

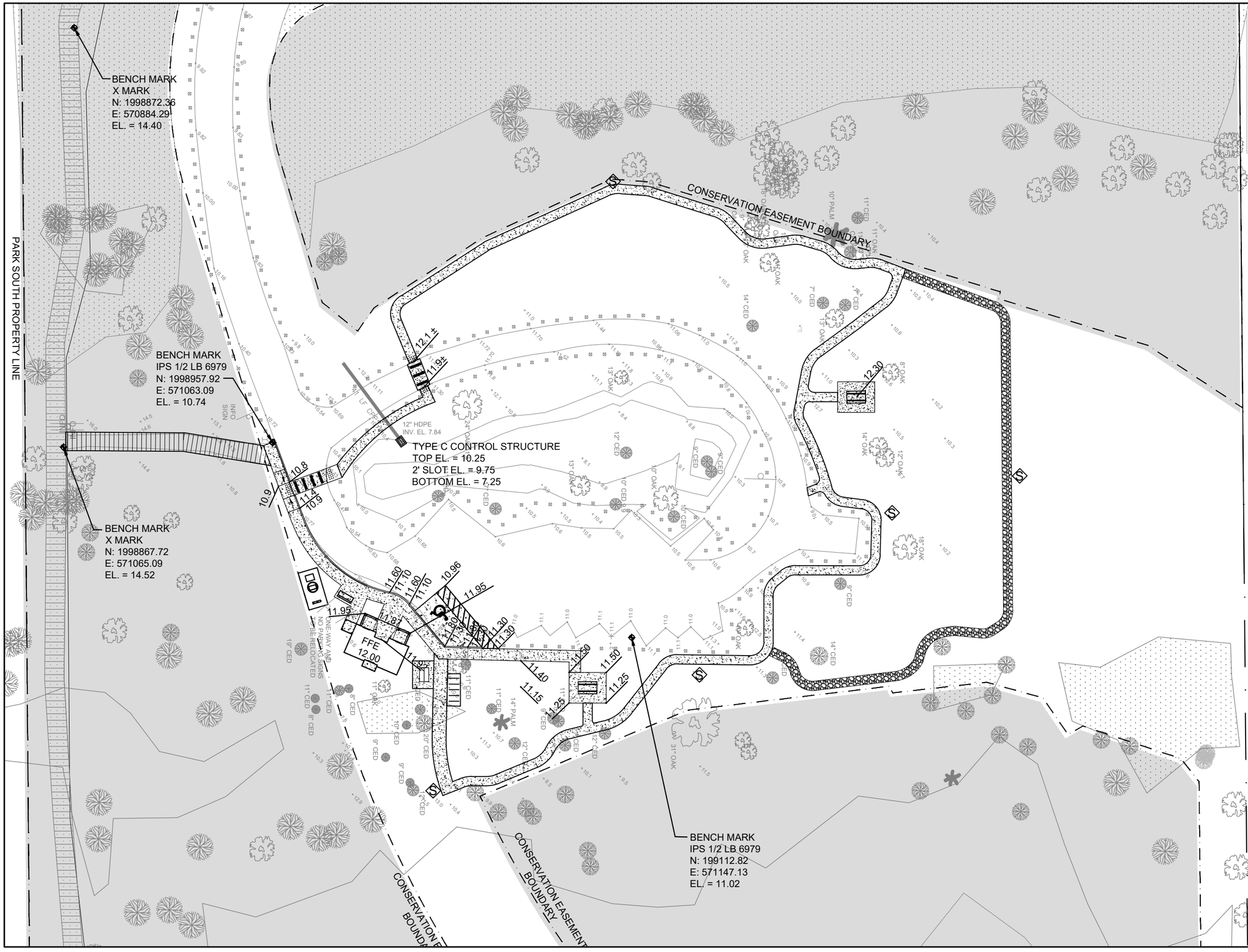
WILLIAM J. TREDIK, Professional Engineer, State of Florida License No. 47923
This item has been electronically signed and sealed by William J. Tredik, PE on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2 HORIZONTAL GEOMETRY PLAN

REVISIONS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-5



GRADING & RESTORATION NOTES:

1. FINISH GRADES OF NATURE TRAIL SHALL MATCH EXISTING TOPOGRAPHY AND FIELD DETERMINED TO PREVENT STANDING WATER ON TRAIL
2. LONGITUDINAL SLOPES ON SIDEWALK, WALKWAYS AND NATURE TRAIL SHALL NOT EXCEED 1:20 (V:H)
3. CROSS SLOPES ON SIDEWALK, WALKWAYS AND NATURE TRAIL SHALL NOT EXCEED 2%
4. SOIL ON SIDES OF NATURE TRAIL SHALL BE GRADED AND MULCHED. DROP OFF FROM NATURE TRAIL TO ADJACENT GRADE SHALL NOT EXCEED 0.5"
5. SLOPE ON HANDICAP PARKING SPACE AND ACCESS AISLE SHALL NOT EXCEED 2% IN ANY DIRECTION
6. SLOPES ON PICNIC AREA SLABS SHALL NOT EXCEED 2% IN ANY DIRECTION
7. DISTURBED AREAS AROUND THE RESTROOMS, LIFT STATION, PARK ENTRANCE, ALONG ENTRANCE DRIVE AND IN RETENTION AREA SHALL BE SODDED. SOD TYPE SHALL BE AS SPECIFIED BY THE CITY. TOP OF SOD SHALL NOT BE HIGHER THAN ADJACENT PEDESTRIAN SURFACES AND SHALL NOT IMPEDE DRAINAGE.

PROJECT NO.
21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

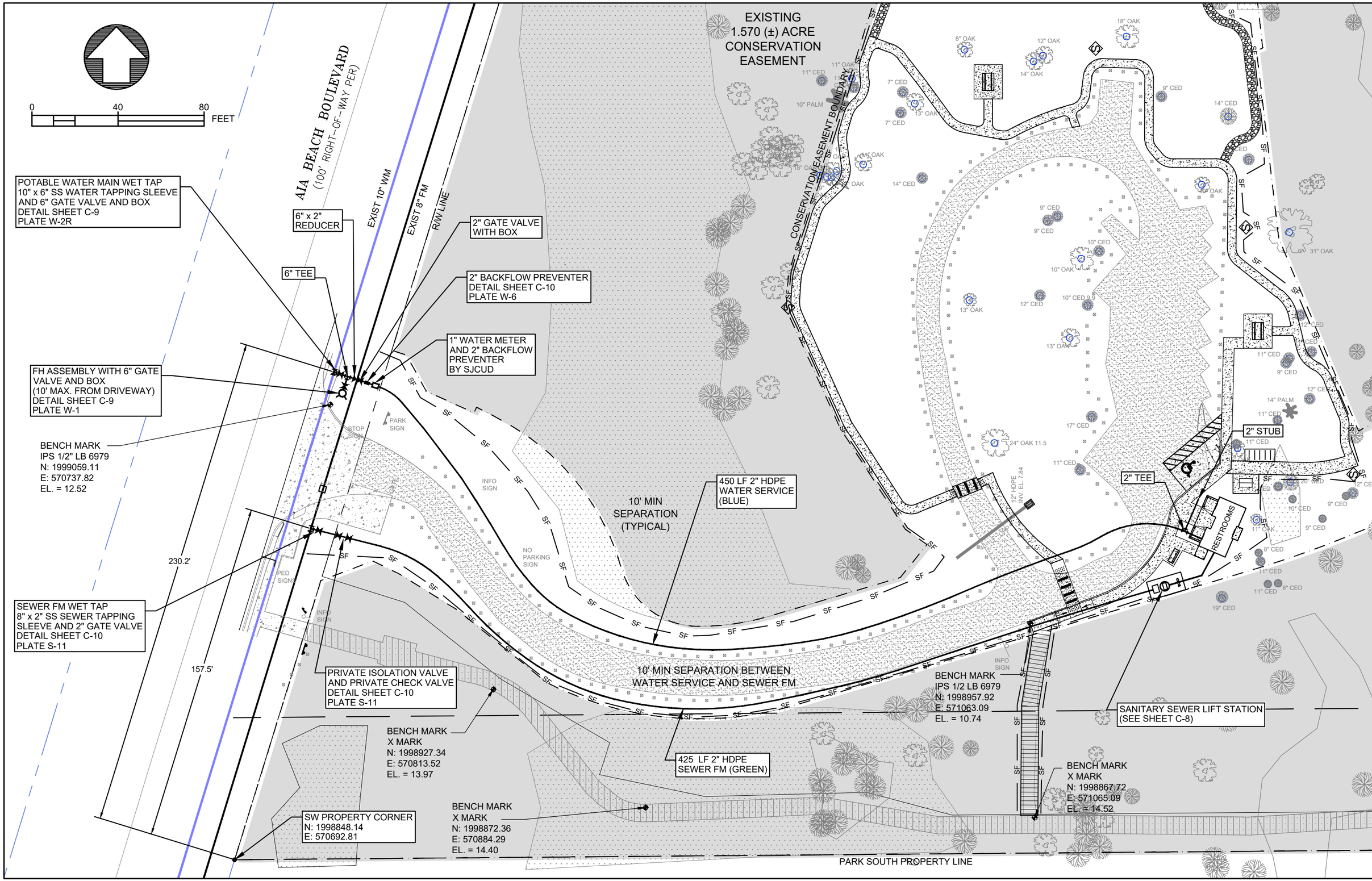
WILLIAM J. TREDIK, Professional Engineer, State of Florida License No. 67164
This item has been electronically signed and sealed by William J. Tredik, PE on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2 GRADING PLAN

REVISIONS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-6



PROJECT NO.
21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

WILLIAM J. TREDIK, Professional Engineer, Florida Registration Number 67997
This item has been electronically signed and sealed by William J. Tredik, PE, on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2
UTILITY PLAN

REVISIONS

02/04/22 - CHANGES PER SJCUD COMMENTS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-7

NOTE:
CONTRACTOR TO PROVIDE THE ELECTRICAL PLAN OF ALL ELECTRICAL FIELD WORK, PUMP STATION CONTROLS AND PANEL DETAILS, POWER SUPPLY, AND CONNECTION TO THE PUMP STATION. THE ELECTRICAL PLAN IS TO BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ELECTRICAL ENGINEER. IT SHALL BE SUBMITTED FOR APPROVAL AS PART OF THE SHOP DRAWING SUBMITTALS.

DESIGN AND COMPLIANCE NOTES

1. SYSTEM SPECIFIED ON THIS PAGE COMPLIES WITH THE FOLLOWING REFERENCE STANDARDS:
   + FLORIDA ADMINISTRATIVE CODE (F.A.C.) CHAPTER 62-604 "COLLECTION SYSTEMS AND TRANSMISSION FACILITIES" AND ALL RELATED AND CROSS REFERENCED STANDARDS
   + N.F.P.A. 820
   + RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES (TEN STATES STANDARDS)
2. WET WELL TOP AND CONTROLS MUST BE APPROPRIATELY LOCATED ABOVE THE 25 YEAR AND 100 YEAR FLOOD ELEVATIONS, RESPECTIVELY, PER F.A.C. 62-604.400(2)(e)

PUMP STATION SPECIFICATIONS

1. FURNISH AND INSTALL SPECIFIED SUBMERSIBLE PUMPS
2. OIL FILLED MOTOR DESIGN FOR SEWAGE APPLICATION WITH EITHER NEMA B OR NEMA F INSULATION VALUES
3. WET WELL LOAD RATED PER A.S.T.M. D-3753 FIBERGLASS REINFORCED POLYESTER (F.R.P.) TO WITHSTAND HIGH GROUND WATER CONDITIONS. WET WELL SHALL ALSO BE SUPPLIED WITH SERIAL NUMBER TO BE UNIQUELY IDENTIFIED
4. BASIN ASSEMBLY TO INCLUDE SCH 80 PVC DISCHARGE PIPING
5. THE FOLLOWING COMPONENTS SHALL BE 304 STAINLESS STEEL: GUIDE RAILS, UPPER GUIDE RAIL BRACKETS, AND CABLE RACK AND SHALL BE INSTALLED BY SOUTHEASTERN PUMP PRIOR TO DELIVERY OF FIBERGLASS BASIN PACKAGE/ASSEMBLY
6. ALUMINUM HATCHES SHALL BE REINFORCED FOR 300 P.S.F. LOAD RATING WITH HOLD OPEN SAFETY ARM, LOCKING DEVICE, AND STAINLESS STEEL HARDWARE; COVERS INCLUDE LIFETIME WARRANTY
7. FLOAT SWITCHES SHALL BE SEPCO; SME-SERIES

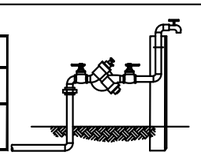
VALVE PIT ASSEMBLY

1. ASSEMBLED VALVE PIT ASSEMBLY SHALL BE PRESSURE TESTED @150 PSIG FOR MINIMUM 15 MINUTES WITH ZERO LOSS (TEST AGAINST CHECK VALVES AND CLOSED DISCHARGE)
2. CHECK VALVES AND ISOLATION VALVES ARE PROVIDED FOR EACH PUMP PER RSWF 42.5 AND F.D.E.P. PERMIT ITEM 50
3. VALVE PIT SHALL HAVE ENCLOSED BOTTOM WITH SLOPED FLOOR AND DRAIN LINE RETURNING TO THE WET WELL (COMPLETE WITH P-TRAP ASSEMBLY) PER RSWF 44.33 AND FDEP PERMIT ITEM 70
4. BY-PASS PUMP CONNECTION IS PROVIDED PER F.A.C. 62-604.400(2)(a)(3)
5. COVER MUST INCLUDE TAMPER RESISTANT HARDWARE AND PADLOCK POST

F.D.E.P. CONTROL PANEL

1. CONTROL PANEL SHALL BE LISTED U.L. 698A LISTED FOR OPERATING MOTORS LOCATED WITHIN CLASS 1, GROUPS C&D, HAZARDOUS LOCATIONS. CONTROL PANEL SHALL BE LISTED U.L. 508A FOR NON-HAZARDOUS LOCATIONS ONLY
2. ALL WIRING AND GROUNDING IS TO BE IN ACCORDANCE WITH N.E.C. AND LOCAL CODES
3. ALL PENETRATIONS INTO THE CONTROL PANEL ARE TO BE MADE IN THE BOTTOM OF THE ENCLOSURE ONLY
4. CONTROL PANEL TO INCLUDE LIGHTNING ARRESTOR AND SURGE CAPACITOR IN ACCORDANCE WITH F.A.C. CHAPTER 62-604.400(2)(b)
5. CONTROL PANEL TO INCLUDE BATTERY BACK-UP ON HIGH WATER ALARM AND POWER FAIL ALARM

RPZ BACK-FLOW PREVENTER	
X	REQUIRED
	NOT REQUIRED

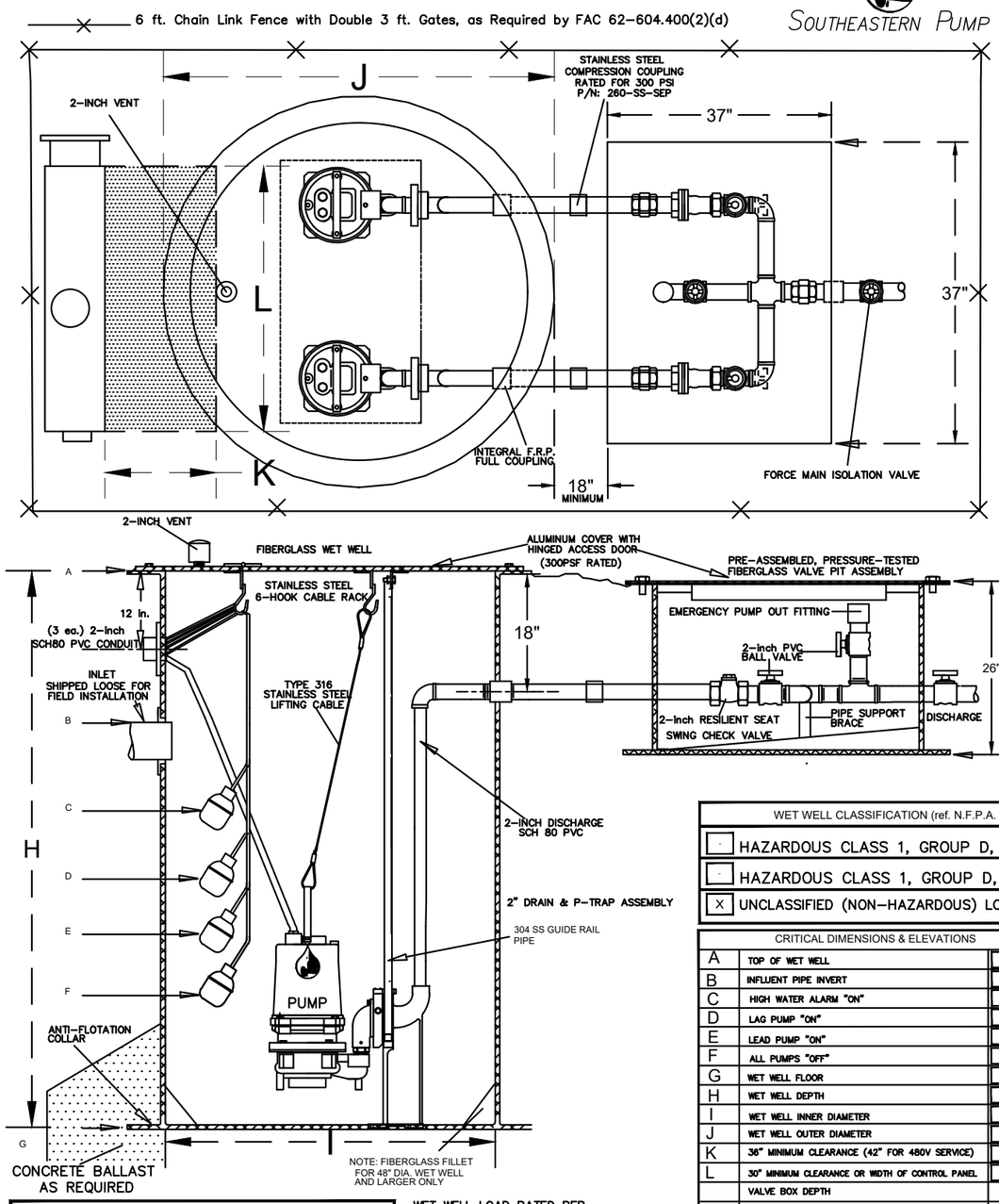


X	BUG FREE VENT (STANDARD)
X	SEPUMP ODOR REDUCTION CARTRIDGE (OPTIONAL)
-	SPECIAL SITUATION -> CONSULT ENGINEER

PRIVATE DUPLEX LIFT STATION DETAIL

(NOT TO SCALE)

SOUTHEASTERN PUMP



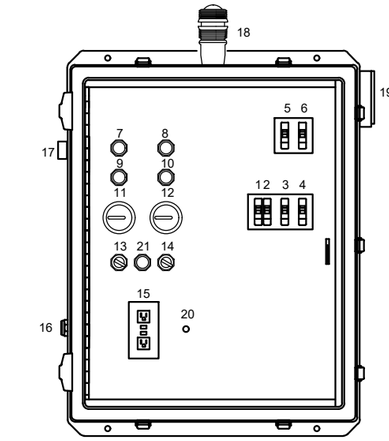
PUMP PERFORMANCE CHARACTERISTICS			
GPM:	21	TDH(ft):	89.45
PUMP HP:	2	CABLE LENGTH:	30
ELECTRICAL SERVICE:	- 200-208	X 230-240	- 460-480
	X 1 PHASE	- 3 PHASE	
PUMP MANUFACTURER:	BARNES		

WET WELL LOAD RATED PER A.S.T.M. D-3753 FIBERGLASS REINFORCED POLYESTER (F.R.P.) TO WITHSTAND HIGH GROUND WATER CONDITIONS. WET WELL SHALL ALSO BE SUPPLIED WITH SERIAL NUMBER TO BE UNIQUELY IDENTIFIED

PUMP MODEL:
Barnes SGVF2022L

WET WELL CLASSIFICATION (ref. N.F.P.A. 820)	
-	HAZARDOUS CLASS 1, GROUP D, DIV. 2
-	HAZARDOUS CLASS 1, GROUP D, DIV. 1
X	UNCLASSIFIED (NON-HAZARDOUS) LOCATION

CRITICAL DIMENSIONS & ELEVATIONS			
A	TOP OF WET WELL	12.00	ft.
B	INFLUENT PIPE INVERT	8.50	ft.
C	HIGH WATER ALARM "ON"	8.25	ft.
D	LAG PUMP "ON"	7.75	ft.
E	LEAD PUMP "ON"	7.25	ft.
F	ALL PUMPS "OFF"	5.25	ft.
G	WET WELL FLOOR	3.50	ft.
H	WET WELL DEPTH	8.50	ft.
I	WET WELL INNER DIAMETER	48	in.
J	WET WELL OUTER DIAMETER	--	in.
K	36" MINIMUM CLEARANCE (42" FOR 480V SERVICE)	36	in.
L	30" MINIMUM CLEARANCE OR WIDTH OF CONTROL PANEL	--	in.
	VALVE BOX DEPTH	26.00	in.
	VALVE BOX WIDTH	37.00	in.
	VALVE BOX LENGTH	37.00	in.
	DISTANCE BETWEEN DISCHARGE PIPES	16.00	in.
	CONCRETE BALLAST REQUIRED	2	Cu Yds
	DISCHARGE PIPE SIZE	2	in.
	INFLUENT PIPE DIAMETER & TYPE	3	in.
	DISCHARGE PIPE DEPTH (THROUGH VALVE PIT)	18	in.
	BOTTOM OF PANEL (ABOVE GRADE)	36	in.



CONTROL PANEL FEATURES

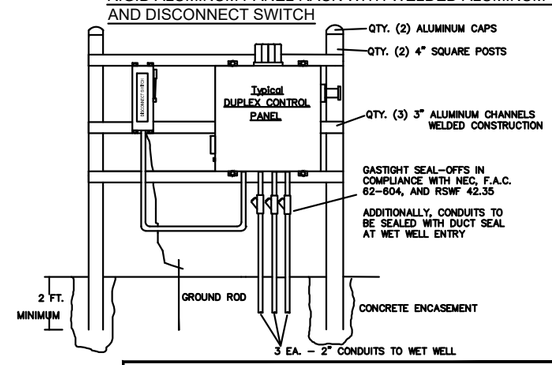
1 - DRB DUPLEX RECEPTACLE BREAKER
2 - CCB CONTROL CIRCUIT BREAKER
3 - MB1 MOTOR BREAKER 1
4 - MB2 MOTOR BREAKER 2
5 - MCB MAIN CIRCUIT BREAKER
6 - ECB EMERGENCY CIRCUIT BREAKER
7 - PL1 MOISTURE 1
8 - PL2 MOISTURE 2
9 - RL1 RUN LIGHT 1
10 - RL2 RUN LIGHT 2
11 - ETM1 ELAPSE TIME METER 1
12 - ETM2 ELAPSE TIME METER 2
13 - HOA HAND-OFF-AUTO SWITCH PUMP 1
14 - HOA HAND-OFF-AUTO SWITCH PUMP 2
15 - DR DUPLEX RECEPTACLE GFI
16 - ASB ALARM SILENCE BUTTON
17 - AH ALARM HORN
18 - AL ALARM LIGHT
19 - GR GENERATOR RECEPTACLE (SCAME SCM460B12W)
20 - F6 FUSE 6
21 - ALARM RESET

* NOTE *
SURGE PROTECTION DEVICE SHIPPED LOOSE WITH PANEL AND TO BE MOUNTED OUTSIDE OF THE PANEL BY OTHERS

CONTROL PANEL ENCLOSURE	
-	NEMA 4X 304 STAINLESS STEEL (STANDARD)
X	NEMA 4X 316 STAINLESS STEEL (OPTIONAL)
-	NEMA 4X FIBERGLASS (OPTIONAL)

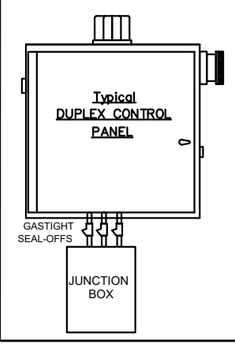
REMOTE MONITORING	
X	DRY CONTACTS (STANDARD)
-	CELLULAR RTU (OPTIONAL)
-	1 YEAR SUBSCRIPTION
-	3 YEAR SUBSCRIPTION

RIGID ALUMINUM PANEL RACK WITH WELDED ALUMINUM CHANNELS AND DISCONNECT SWITCH



CONTROL PANEL MOUNTING OPTIONS	
X	CONTROL PANEL WITH RACK ASSEMBLY MEETS FLORIDA BUILDING CODE REQUIREMENTS (AS CALCULATED IN ACCORDANCE WITH ASCE 7-10) FOR 175 MPH WIND LOADS WHEN EACH POST IS EMBEDDED IN CONCRETE COLUMNS 18" DIAMETER X 57" DEEP.
-	MOUNTING BY OTHERS

JUNCTION-BOX & GASTIGHT SEAL-OFFS



JUNCTION-BOX & GASTIGHT SEAL-OFFS	
-	FRP J-BOX W/ SEAL-OFFS
X	STAINLESS STEEL J-BOX W/ SEAL-OFFS
-	NEMA 7 J-BOX W/ SEAL-OFFS
-	SEAL-OFFS ONLY - PROVIDED BY INSTALLER PER LOCAL ELECTRICAL CODE

SOUTHEASTERN PUMP

PROJECT NO. 21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

WILLIAM J. TREDIK, Professional Engineer, Registered in Florida License No. 62922
This item has been electronically signed and sealed by William J. Tredik, PE, on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2
UTILITY PLAN - LIFT STATION

REVISIONS
02/04/22 - CHANGES PER SJCUD COMMENTS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-8

GENERAL:

1. TWO (2) COPIES OF THE SHOP DRAWINGS (STAMPED APPROVED BY THE ENGINEER) SHALL BE SUBMITTED TO SJCUD FOR REVIEW PRIOR TO SCHEDULING THE MANDATORY PRE-CONSTRUCTION CONFERENCE, THE INITIAL SHOP DRAWING REVIEW BY SJCUD WILL BE COMPLETED WITHIN FIFTEEN(15) WORKING DAYS. SUBSEQUENT SHOP DRAWINGS REVIEWS WILL BE COMPLETED WITHIN TEN (10) WORKING DAYS.
2. A PRE-CONSTRUCTION CONFERENCE IS REQUIRED WITH THE DEVELOPER, THE ENGINEER OF RECORD, THE UTILITY CONTRACTOR, AND THE SJCUD PRIOR TO THE START OF ANY CONSTRUCTION. A PRE-CONSTRUCTION CONFERENCE WITH SJCUD IS REQUIRED REGARDLESS OF OTHER AGENCIES' REQUIREMENTS.
3. ALL WATER, SEWER, AND/OR REUSE CONSTRUCTION SHALL BE PERFORMED BY A CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES. A COPY OF THE CONTRACTOR'S GENERAL LICENSE AND/OR UNDERGROUND UTILITY LICENSE SHALL BE PROVIDED AT THE PRE-CONSTRUCTION CONFERENCE.
4. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE SITE PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL LOCATIONS & ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. THE CONTRACTOR(S) SHALL LOCATE, VERIFY, AND IDENTIFY ALL EXISTING UTILITIES AND UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO ANY EXISTING ACTIVITIES AND TAKE ALL MEASURES NECESSARY TO PROTECT UTILITIES DURING CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE AFFECTED UTILITY COMPANY, ENGINEER OF RECORD, COUNTY, AND SJCUD.
7. THE WATER, SEWER, AND/OR REUSE SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SJCUD APPROVED CONSTRUCTION DRAWINGS AND SPECIFICATIONS. IF THERE IS ANY DEVIATION FROM THE APPROVED CONSTRUCTION DRAWINGS OR SPECIFICATIONS, WITHOUT PRIOR AUTHORIZATION AND CONSENT FROM THE SJCUD, THE CONTRACTOR SHALL REMOVE THE DEVIATION AND RESTORE IT TO THE APPROVED CONSTRUCTION DRAWING CONFIGURATION AT NO EXPENSE TO THE SJCUD. ANY DEVIATION FROM THE APPROVED DOCUMENTS WILL DELAY THE COC SUBMITTAL PROCESS.
8. THE CONTRACTOR SHALL FIELD VERIFY THE CONNECTION POINTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD AND SJCUD IMMEDIATELY.
9. EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN LOCATED PER AVAILABLE MEANS WITHOUT EXCAVATION.
10. VERTICAL LOCATIONS OF ALL UTILITIES (EXCLUDING EXISTING STORM SEWERS) SHOWN ON THE PLAN AND PROFILE SHEETS HAVE BEEN REFERENCED TO A BENCH MARK SHOWN ON THE UTILITY PLANS. CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION NEAR EXISTING UTILITIES SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF LOCATION DIFFERS FROM THAT SHOWN ON THE PLANS BEFORE CONTINUING WITH CONSTRUCTION.
11. SHOULD CONDITIONS VARY FROM THOSE SHOWN ON THESE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SJCUD PRIOR TO CONTINUING CONSTRUCTION.
12. THE CONTRACTOR SHALL PROTECT SURVEY MARKERS, MONUMENTS, ETC. DURING CONSTRUCTION. THE CONTRACTOR SHALL RESTORE/REPLACE, AT NO ADDITIONAL EXPENSE TO THE OWNER, ANY DAMAGE DONE BY CONSTRUCTION ACTIVITIES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS. ANY DAMAGE SHALL BE REPLACED/REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
14. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION AND BUILDING PLACEMENT WITH ALL OTHER UTILITIES CONSTRUCTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY UNSUITABLE MATERIAL FROM HIS OPERATION. FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
16. UNSUITABLE MATERIALS UNDER WATER, SEWER, AND/OR REUSE MAINS SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL PROPERLY COMPACTED TO 95% OF MAXIMUM DENSITY. BACKFILL SHALL BE COMPACTED IN A MAXIMUM OF ON-FOOT LIFTS. DENSITY TESTS SHALL BE TAKEN AFTER COMPACTION OF EVERY LIFT.
17. THE CONTRACTOR(S) SHALL NOTIFY ALL APPLICABLE UTILITIES COMPANIES, THE ENGINEER OF RECORD, AND THE PROPERTY OWNER 72 HOURS PRIOR TO INITIATING ANY EXCAVATION ACTIVITIES, OR AS SPECIFIED BY THE UTILITY COMPANIES AND THE PERMITS OBTAINED FOR THE WORK.
18. THE ENGINEER OF RECORD AND SJCUD SHALL BE GIVEN SEVENTY-TWO HOURS (72-HRS) NOTICE OF ALL REQUESTED MEETINGS AND/OR TESTING MEASURES RELATED TO THE PROJECT.
19. ALL WORK, MATERIALS, AND EQUIPMENT SHALL BE IN COMPLETE ACCORDANCE WITH ALL RELEVANT ST. JOHNS COUNTY STANDARDS AND REQUIREMENTS AS WELL AS STATE AND LOCAL REGULATIONS.
20. ALL UNDERGROUND UTILITY EQUIPMENT, MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE MANUAL OF WATER, WASTEWATER, AND REUSE DESIGN STANDARDS & SPECIFICATIONS, ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, AND THE APPROVED SITE PLANS.
21. ALL UTILITY CROSSINGS SHALL COMPLY WITH FDEP REGULATIONS (CH. 62-555.314, FAC)
22. ANY LANDSCAPING TREES SHALL BE PLACED AT A MINIMUM OF 7.5 FEET AWAY FROM THE EDGE OF PIPELINE TO THE EDGE OF THE TREE LINE.
23. ALL ROCK AND UNSUITABLY SIZED STONES (AS DESCRIBED IN APPLICABLE AWWA AND ST. JOHNS COUNTY UTILITY STANDARDS AND/OR PIPE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES) FOUND IN TRENCHES FOR NEW AND RELOCATED PIPE SHALL BE REMOVED TO A DEPTH OF AT LEAST SIX (6) INCHES BELOW THE BOTTOM OF THE PIPE. CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED FOR NEW AND RELOCATED PIPES. THE BACKFILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND THE NEW AND RELOCATED PIPES AND TO A SUFFICIENT HEIGHT ABOVE SUCH PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE.
24. FOR WATER, WASTEWATER AND REUSE MAINS SMALLER THAN 12 INCHES, THE MINIMUM AND MAXIMUM COVER SHALL BE 30 INCHES AND 36 INCHES, RESPECTIVELY, IN UNPAVED AREAS AND 36 INCHES AND 42 INCHES, RESPECTIVELY, IN PAVED AREAS, OR AS REQUIRED WITHIN FDOT OR RAILROAD RIGHTS-OF-WAY. FOR MAINS 12 INCHES OR GREATER, THE MINIMUM AND MAXIMUM COVER SHALL BE 42 INCHES AND 54 INCHES RESPECTIVELY. EXCEPTIONS WILL BE MADE FOR CONFLICTS.
25. WHERE FORCE MAINS, WATER MAINS, OR REUSE MAINS ARE LAID WITHOUT FITTINGS, THE MAXIMUM DEFLECTION SHALL BE 80% OF THAT RECOMMENDED BY THE MANUFACTURER.
26. FITTINGS SHALL BE USED AT LOCATIONS ON THE PLANS, UNLESS OTHERWISE APPROVED BY THE ENGINEER. ALL FITTINGS SHALL BE RESTRAINED PER THE RESTRAINED JOINT TABLE IN THE APPROVED PLAN SET.
27. ALL UNDERGROUND VALVES SHALL BE INSTALLED WITH AN ADJUSTABLE CAST IRON VALVE BOX WITH THE TOP SET TO FINAL GRADE IN ACCORDANCE WITH SJCUD DETAILS AND SPECIFICATIONS. ALL VALVES SHALL HAVE PEG LOCATORS (145.7 KILOHERTZ).
28. CONTRACTOR IS RESPONSIBLE FOR PROPER NOTIFICATION OF INSPECTING AUTHORITIES BEFORE AND DURING CONSTRUCTION.
29. CONTRACTOR SHALL PROVIDE A MINIMUM OF SEVEN (7) CALENDAR DAYS NOTICE TO SJCUD PRIOR TO SCHEDULING THE FINAL INSPECTION.

NOTICE OF PROCEDURE:

1. ALL COMMERCIAL BUILDING PERMITS AND METERS PROCESSED THROUGH SJCUD CUSTOMER SERVICE SHALL BE ACCOMPANIED BY A SET OF APPROVED CIVIL DESIGN PLANS.
2. ALL CONNECTIONS TO THE WATER, SEWER, AND/OR REUSE SYSTEM, FLUSHING, AND PRESSURE TESTS TO BE PERFORMED BY THE UTILITY CONTRACTOR OR LICENSED MASTER PLUMBER MUST BE SCHEDULED AT LEAST FIVE (5) WORKING DAYS IN ADVANCE WITH THE SJCUD. A SJCUD INSPECTOR MUST BE PRESENT PRIOR TO THE CONNECTION BEING MADE OR TESTING.
3. IT IS THE ENGINEER OF RECORD'S RESPONSIBILITY TO SECURE APPLICABLE PERMITS PRIOR TO CONSTRUCTION.
4. THE PROPERTY OWNER SHALL PURCHASE THE WATER METER THROUGH THE SJCUD ON PROJECTS THAT REQUIRE A WATER METER LARGER THAN ONE (1) INCH. THE OWNER'S CONTRACTOR SHALL INSTALL ALL METERS THEE (3) INCHES AND LARGER.
5. WATER, SEWER AND/OR REUSE UNIT CONNECTION FEES SHALL BE PAID AT THE TIME OF BUILDING PERMIT APPLICATION.
6. ALL ON-SITE PRIVATE WATER, SEWER AND/OR REUSE CONSTRUCTION BETWEEN THE METER AND THE BUILDING MAY BE INSPECTED BY THE SJCUD TO ENSURE STANDARDS ARE MET.
7. ALL REQUIREMENTS BY THE SJCUD (I.E. FINAL INSPECTION. CORRECTION OF PUNCH LIST ITEMS. "AS-BUILTS", FDEP CERTIFICATION OF COMPLETION, ETC) MUST BE SATISFIED PRIOR TO ISSUANCE OF CERTIFICATES OF OCCUPANCY.

POTABLE WATER SYSTEM NOTES:

1. ALL WATER MAINS 4" THROUGH 12" DIAMETER SHALL BE PVC C-900, DR-18, COLOR "BLUE" WITH PUSH-ON GASKETED JOINTS OR C-906 HDPE DR 11 COLOR "BLUE" OR DIP CLASS 350.
2. ALL WATER MAINS 16" THROUGH 20" DIAMETER SHALL BE PVC C-905, DR-25, COLOR "BLUE" WITH PUSH-ON GASKETED JOINTS OR C-906 HDPE DR 11 COLOR "BLUE" OR DIP CLASS 250.
3. ALL WATER MAINS 24" AND LARGER DIAMETER SHALL BE DUCTILE IRON PIPE.
4. ALL WATER MAINS 2" DIAMETER OR LESS SHALL BE HDPE CTS DR9 COLOR "BLUE"
5. ALL CURB STOPS ARE TO BE BALL-TYPE WITH LOCKING CAPACITY, 1" MINIMUM.
6. THE SEPARATION REQUIREMENT BETWEEN POTABLE WATER MAINS AND OTHER UTILITIES SHALL BE PER CH. 62-555, FAC.
7. A FULL UNCUT LENGTH OF WATER MAIN PIPE (USUALLY 20 FEET) SHALL BE CENTERED AT THE POINT OF CROSSING OF AL WATER AND SEWER (INCLUDING STORM) LINES AT THE POINT OF CROSSINGS REGARDLESS OF THE VERTICAL SEPARATIONS.
8. WHERE SOLVENT CONTAMINATION IS FOUND IN THE TRENCH, WORK WILL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED. WITH THE APPROVAL OF THE ST. JOHNS COUNTY HEALTH DEPARTMENT, DUCTILE IRON PIPE, FITTINGS AND APPROVED SOLVENT RESISTANT GASKET MATERIAL SHALL BE USED IN THE CONTAMINATED AREA, THE DUCTILE IRON PIPE WILL EXTEND AT LEAST 100 FEET BEYOND ANY DISCOVERED CONTAMINATION.
9. NO CONNECTION TO EXISTING POTABLE WATER SYSTEM SHALL BE ALLOWED UNTIL ALL PROPOSED WATER LINES HAVE BEEN PRESSURE TESTED, DISINFECTED, CLEARED FOR SERVICE AND ACCEPTED BY THE SJCUD AND FDEP.
10. JUMPER CONNECTIONS WITH BACKFLOW PREVENTION DEVICE SHALL BE USED TO FILL OR FLUSH WATER MAINS.
11. ALL NEW AND RELOCATED WATER MAIN PIPE, FITTINGS, VALVES, AND FIRE HYDRANTS SHALL BE IN CONFORMANCE WITH APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) AND SJCUD STANDARDS.
12. ALL NEW AND RELOCATED WATER MAIN PIPE AND FITTINGS WILL COMPLY WITH THE LATEST FDEP AND AWWA STANDARDS FOR LEAD CONTENT.
13. ALL NEW AND RELOCATED WATER MAINS SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C605, LATEST EDITION.
14. ALL NEW AND RELOCATED WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651 AND RULE 62-555.340, FAC.
15. ALL NEW AND RELOCATED WATER SERVICES SHALL BE IN CONFORMANCE WITH THE STATE PLUMBING CODE AND SJCUD STANDARDS.
16. THE BACTERIOLOGICAL SAMPLE POINTS SHALL BE INDICATED ON THE AS-BUILT DRAWINGS. THE SAMPLE POINT NUMBERING AND STATIONING SHALL CORRESPOND TO THOSE ON THE BACTERIOLOGICAL SAMPLE CHAIN OF COMMAND.

Description	Quan.	Unit
Potable Water		
10" x 6" Stainless Steel Tapping Sleeve	1	EA
6" Gate Valve and Box	1	EA
6" Mater Main	10	LF
Fire Hydrant Assembly with 6" GV	1	EA
6" x 2" Reducer	1	EA
2" Water Main	12	LF
2" Gate Valve	1	EA
2" Backflow Preventer	1	EA
1" Water Meter	1	EA
Sewer		
8" x 2" Stainless Steel Tapping Sleeve	1	EA
2" Gate Valve and Box	1	EA
2" Force Main	12	LF

Utility Materials *within* A1A Beach Boulevard Right-of-Way

PROJECT NO. 21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

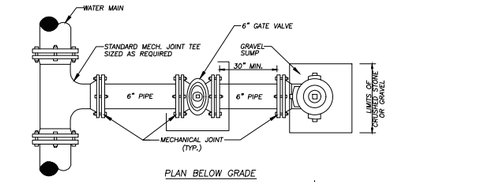
WILLIAM J. TREDIK, Professional Engineer, State of Florida, License No. 47567
This item has been electronically signed and sealed by William J. Tredik, PE, on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2
UTILITY NOTES AND DETAILS

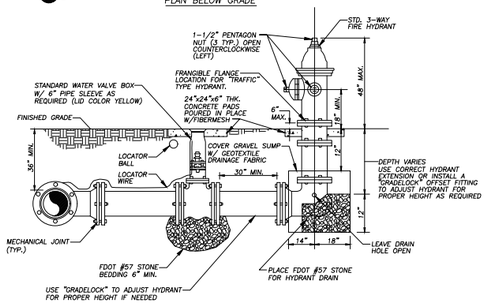
REVISIONS
02/04/22 - CHANGES PER SJCUD COMMENTS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-9



PLAN BELOW GRADE

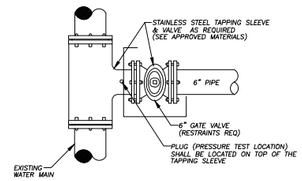


ELEVATION

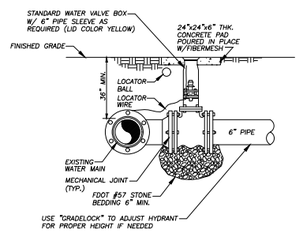
NOTES:

1. FIRE HYDRANTS SHALL HAVE 5 1/4" VALVE OPENING AND SHALL BE PER SJCUD APPROVED MATERIALS.
2. FIRE HYDRANTS SHALL BE PAINTED CHROME YELLOW IN ACCORDANCE WITH CURRENT ST. JOHNS COUNTY LAND DEVELOPMENT CODE.
3. INSTALL BLUE TRAFFIC SPOTTERS AS PER LOCAL FIRE CODE REQUIREMENTS.
4. SEE CURRENT ST. JOHNS COUNTY LAND DEVELOPMENT CODE FOR MIN./MAX. DISTANCE FROM CURB OR CONTACT FIRE MASHAL'S OFFICE AT 209-1740.
5. NO FIRE HYDRANTS SHALL BE LOCATED AT STREET CORNERS.
6. HYDRANTS IN SUBDIVISIONS SHOULD BE LOCATED ON LOT LINES.

REVISIONS				
Date	Comments		FIRE HYDRANT INSTALLATION USING MECHANICAL JOINT TEE	PLATE: W-1
2015	REVISION 2			
9/06	REVISION 1		SCALE: N.T.S.	

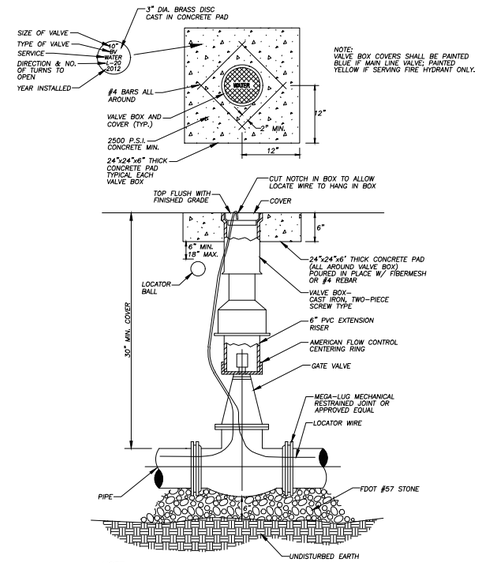


PLAN BELOW GRADE



ELEVATION

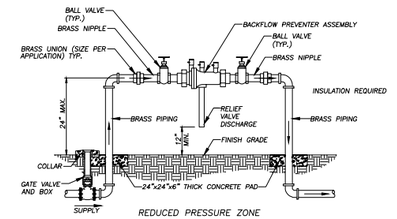
REVISIONS				
Date	Comments		PLATE W-2 WITHOUT FIRE HYDRANT	~~FIRE HYDRANT INSTALLATION USING~~ TAPPING SLEEVE AND VALVE / PLATE: W-2R
2015	REVISION 2			
9/06	REVISION 1		SCALE: N.T.S.	



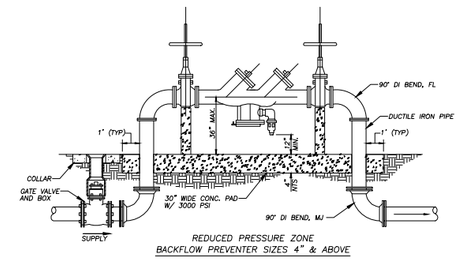
NOTE:

1. NUT EXTENSION REQUIRED IF VALVE NUT IS DEEPER THAN 3' BELOW GRADE.
2. BRASS I.D. FOR ALL SIZES.
3. SCORE 1/2" DEEP GROOVE IN CONCRETE PAD TO DENOTE ORIENTATION OF PIPE.
4. LOCATION OF VALVE TO BE MARKED BY LETTER "V" SCRIBED A MINIMUM OF 4" HIGH AND 1/4" DEEP IN CURB AND CURB PAINTED BLUE FOR WATER, GREEN FOR SEWER, PANTONE PURPLE 522C FOR REUSE.

REVISIONS				
Date	Comments		GATE VALVE & BOX FOR UNPAVED LOCATIONS 4"-16"	PLATE: W-3
2015	REVISION 2			
9/06	REVISION 1		SCALE: N.T.S.	



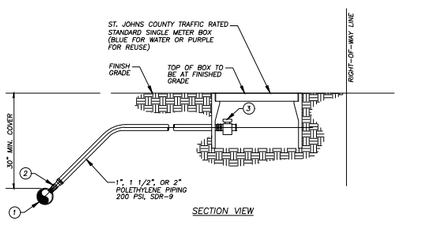
REDUCED PRESSURE ZONE BACKFLOW PREVENTER DETAIL 2" DIAMETER AND SMALLER



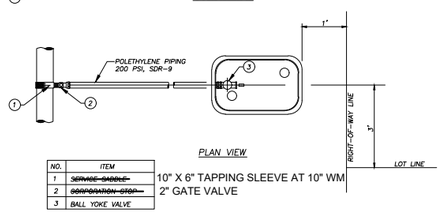
REDUCED PRESSURE ZONE BACKFLOW PREVENTER SIZES 4" & ABOVE

NOTE:
RECOMMEND USING PRESSURE RELIEF VALVE ON OUTLET SIDE FOR FREEZE PROTECTION.

REVISIONS				
Date	Comments		TYPICAL REDUCED PRESSURE ZONE ASSEMBLY	PLATE: W-6
2015	REVISION 2			
9/06	REVISION 1		SCALE: N.T.S.	



SECTION VIEW



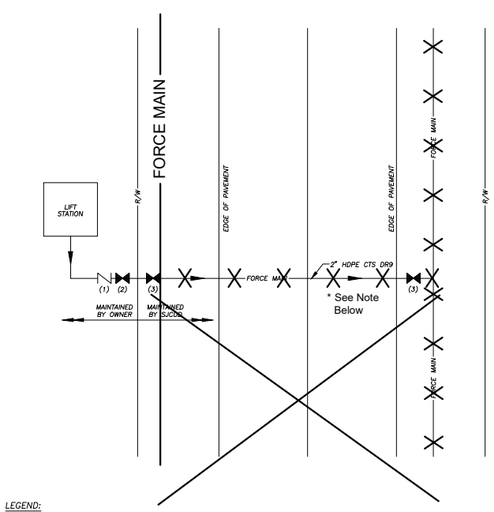
PLAN VIEW

NO.	ITEM
1	~~SERVICE SADDLE~~ 10" X 6" TAPPING SLEEVE AT 10" WM
2	~~CORPORATION STOP~~ 2" GATE VALVE
3	BALL YOKE VALVE

NOTES:

1. TO BE USED FOR ODD NUMBER OF LOTS OR SPECIAL APPLICATIONS WHERE A DOUBLE SERVICE IS NOT APPROPRIATE.
2. SEE SHEET W-10 FOR DOUBLE SERVICE.
3. ALL SERVICE LOCATIONS TO BE MARKED BY ETCHING A 3" HIGH "W" IN THE CONCRETE CURB AND PAINTING IT BLUE FOR WATER OR PURPLE "R" FOR REUSE..
4. IN CERTAIN CONDITIONS, THE WATER SERVICE MAY BE REQUIRED TO BE LARGER DUE TO SIZE OF HOME, DISTANCE TO HOME, ETC.
5. DO NOT INSTALL IN DRIVEWAYS OR SIDEWALKS.
6. FOR PHASED NON-RESIDENTIAL DEVELOPMENT, A MINIMUM 2" TAP MAY BE REQUIRED TO ACCOMODATE FUTURE EXPANSION.
7. ALL BRASS FITTINGS IN CONTACT WITH POTABLE WATER SHALL MEET NSF 61 REQUIREMENTS FOR NO LEAD.

REVISIONS				
Date	Comments		WATER SERVICES SINGLE SERVICE	PLATE: W-9
2015	REVISION 2			
9/06	REVISION 1		SCALE: N.T.S.	



LEGEND:

(1) BRASS SWING CHECK VALVE LOCATED ON PRIVATE PROPERTY NEAR R/W LINE

(2) PRIVATE ISOLATION VALVE WITH BOX & COVER LOCATED ON PRIVATE PROPERTY NEAR R/W LINE

(3) GATE VALVE WITH BOX & COVER LOCATED IN R/W

* WHEN FORCE MAIN IS ON SAME SIDE OF ROADWAY AS SERVICE, ONLY ONE (1) GATE VALVE WITH BOX & COVER IS REQUIRED

REVISIONS				
Date	Comments		CONNECTION DETAIL OF PRIVATE LIFT STATION TO ST. JOHNS COUNTY UTILITIES	PLATE: S-11
2016	REVISION 2			
2015	REVISION 1		SCALE: N.T.S.	

PROJECT NO. 21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

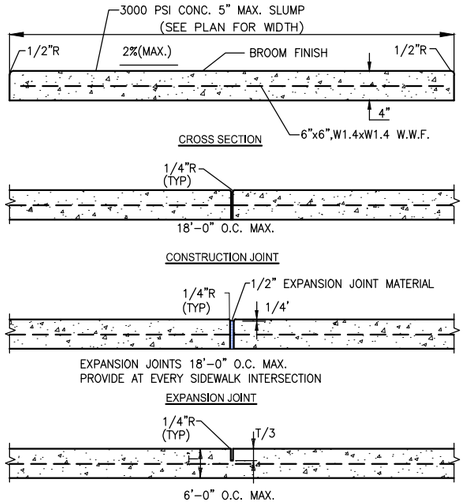
WILLIAM J. TREDIK, Professional Engineer, Florida License No. 0049857 This item has been electronically signed and sealed by William J. Tredik, PE, on 02/14/2022 using a SHA authentication code. Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2
UTILITY NOTES AND DETAILS

REVISIONS
02/04/22 - CHANGES PER SJCUD COMMENTS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-10

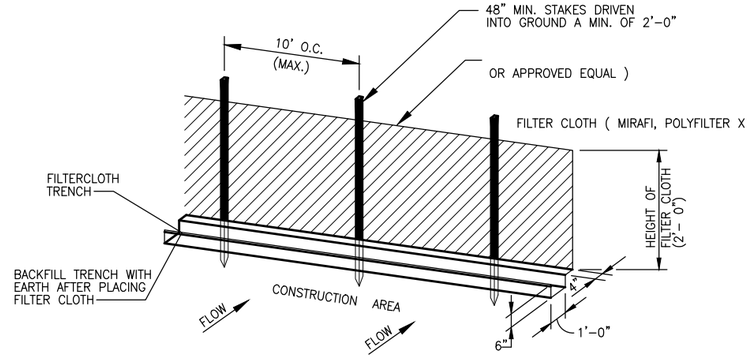


NOTES:

1. WHERE SIDEWALK ABUTS BUILDING (IF APPLICABLE) SEPARATE WITH A 1/2" PREMOLDED MASTIC STRIP CONTINUOUS.
2. LONGITUDINAL SLOPES SHALL NOT EXCEED 5%.
3. CROSS SLOPES SHALL NOT EXCEED 2%.
4. NO WIRE MESH TO BE PROVIDED IN CITY RIGHT-OF-WAY.

SIDEWALK DETAILS

N.T.S.



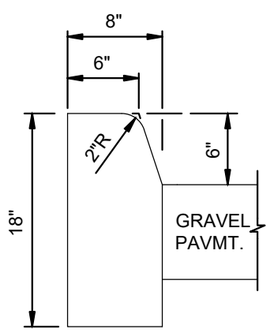
CONSTRUCTION SPECIFICATIONS

1. SILT FENCE TO BE FASTENED SECURELY TO FENCE POSTS BY USE OF WIRE TIES
2. SILT FENCES TO BE INSTALLED IN LOCATIONS AS SHOWN ON THIS EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING OF CONSTRUCTION TO CONTROL SEDIMENT.
3. SILT FENCES TO BE MAINTAINED AND CLEANED AS NECESSARY TO MAINTAIN IN FUNCTIONAL CONDITION.
4. SILT FENCES TO BE REMOVED AND THE AREA TO BE RESTORED TO ITS NATURAL CONDITION WHEN PERMANENT EROSION AND SEDIMENT CONTROL PROCEDURES ARE EFFECTIVE.

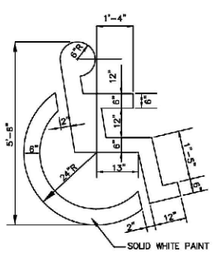
SILT FENCE

EROSION AND SEDIMENT CONTROL NOTES

1. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
2. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
3. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
4. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
5. ALL DISTURBED AREAS SHALL BE TEMPORARILY GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
6. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS AND MAINTAINED.
7. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
8. ALL DISTURBED AREAS TO BE TEMPORARILY STABILIZED THROUGH COMPACTION, SILT SCREENS, HAY BALES AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.
9. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
10. ALL EXCAVATIONS AND EARTHWORK SHALL BE DONE IN A MANNER TO MINIMIZE WATER TURBIDITY AND POLLUTION. DISCHARGE SHALL BE CONTROLLED AND REROUTED THROUGH HAY FILTERS, SILTATION DIAPERS AND SUMPS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION, CORRECTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION IN ACCORDANCE WITH CHAPTER 17-3, FLORIDA ADMINISTRATIVE CODE.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ANY SEDIMENT THAT LEAVES THE SITE.
12. THE CONTRACTOR SHALL PAY FOR ANY WATER QUALITY CONTROL VIOLATIONS FROM ANY AGENCY THAT RESULT IN FINES BEING ASSESSED TO THE OWNER BECAUSE OF THE CONTRACTOR'S FAILURE TO PREVENT TURBID RUNOFF FROM LEAVING THE SITE.
13. THESE PLANS INDICATE THE MINUMUM EROSION & SEDIMENT CONTROL MEASURES REQUIRED FOR THIS PROJECT. FOR ADDITIONAL IMFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOMENT MANUAL A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) CHAPTER 6. THE CONTRACTOR SHALL PROVIDE EROSION PROTECTION AND TURBIDITY CONTROL AS REQUIRED TO INSURE CONFORMANCE TO STATE AND FEDERAL WATER QUALITY STANDARDS AND MAY NEED TO INSTALL ADDITIONAL CONTROLS TO CONFORM TO AGENCIES REQUIREMENTS. IF A WATER QUALITY VIOLATION OCCURS, THE CONTRACTOR SHALL EFFECT CONTROLS TO CONFORM TO AGENCIES REQUIREMENTS. IF A WATER QUALITY VIOLATION OCCURS, THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ALL DAMAGE AND ALL COSTS WHICH MAY RESULT INCLUDING LEGAL FEES, CONSULTANT FEES, CONSTRUCTION COSTS AND FINES.
14. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.



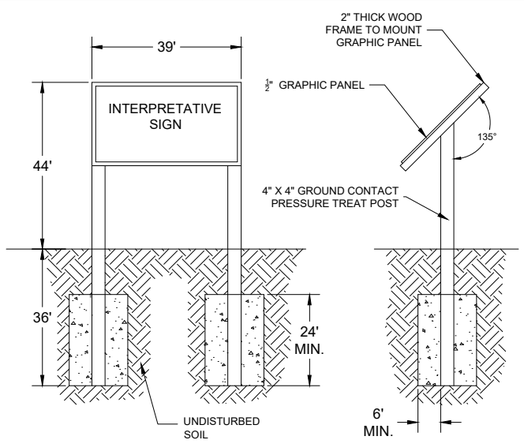
TYPE D CURB



NOTE:
ALL PAINT AND STRIPING SHALL BE IN ACCORDANCE WITH FDOT INDEX 711-001

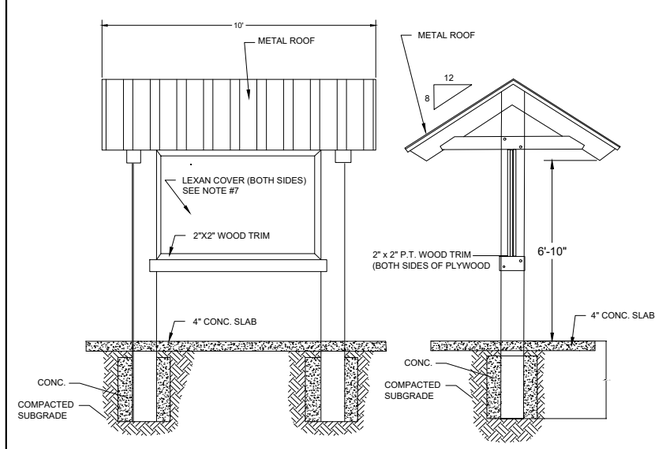
HANDICAP PAVEMENT MARKINGS

N.T.S.



INTERPRETATIVE SIGN

N.T.S.



FRONT ELEVATION

N.T.S.

END ELEVATION

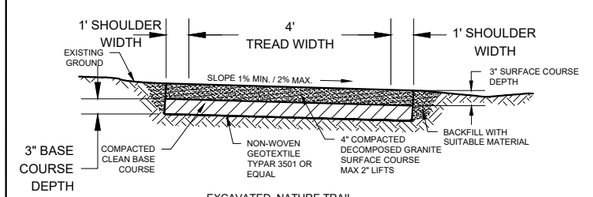
N.T.S.

NOTES:

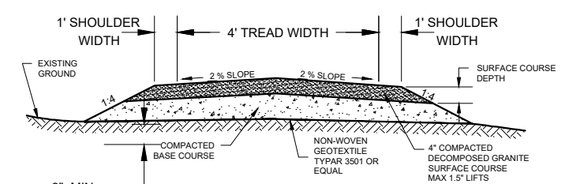
1. ALL WOOD TO BE GROUND CONTACT PRESSURE TREATED.
2. ALL HARDWARE AND NAILS SHALL BE 316 STAINLESS
3. ROOF TO BE ROUGH SAWN PINE UNDERNEATH CHANNEL-DRAIN ROOFING
4. ROOFING MATERIAL AND COLOR SHALL MATCH RESTROOMS
5. WOOD FINISHES SHALL BE NATURAL.
6. STANDARD SLAT SIGN SHOULD HAVE APPROXIMATELY 5" ENGRAVED AND PAINTED LETTERS READING - "OCEAN HAMMOCK PARK"
7. EASE ALL EXPOSED EDGES.
8. ATTACH 2" X 2" WOOD TRIM TO OUTSIDE EDGE OF LEXAN WITH 1/4" LAG SCREWS. ATTACH LEXAN TO PANEL AT TOP WITH 3" X 3" HINGES (OR COMPARABLE SIZE DOOR HINGES).
9. SINK SUPPORT POSTS A MINIMUM DEPTH OF 4'.
10. CONCRETE SHOULD BEA MINIMUM OF 6" ON ALL SIDES OF POST FOR A MINIMUM DEPTH OF 3'.
11. CONTRACTOR SHALL SUBMIT ENGINEERED KIOSK DESIGN SHOP DRAWING DURING SHOP DRAWING SUBMITTALS.
12. FRAMING DESIGN MUST MEET FLORIDA BUILDING CODE, LATEST EDITION

INFORMATION KIOSK

N.T.S.



EXCAVATED NATURE TRAIL

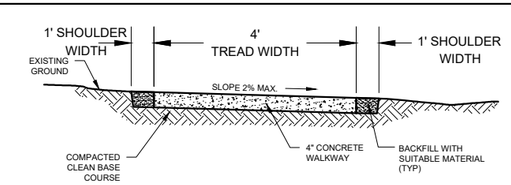


RAISED NATURE TRAIL

NOTE:
1. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
2. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.

TYPICAL DECOMPOSED GRANITE NATURE TRAIL

N.T.S



TYPICAL PAVED NATURE TRAIL

N.T.S

PROJECT NO.
21-002-PWD

City of Saint Augustine Beach
2200 S.R. A1A South
St. Augustine Beach, Florida 32080
Phone: (904) 471-2122
Fax: (904) 471-4108
www.cityofsab.org

WILLIAM J. TREDIK, Professional Engineer, State of Florida License No. 75777
This item has been electronically signed and sealed by William J. Tredik, PE. on 02/14/2022 using a SHA authentication code.
Printed Copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

OCEAN HAMMOCK PARK PHASE 2
DETAILS

REVISIONS

PLOT DATE: 02/09/22
DRAWN BY: WJT
DESIGNED BY: WJT
SCALE: N/A

SHEET NO.
C-11