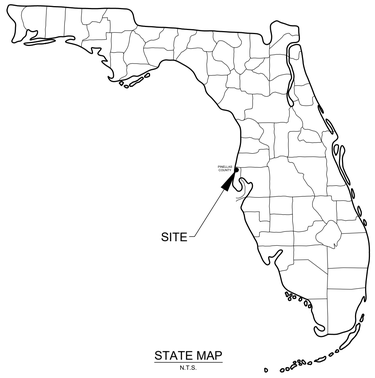
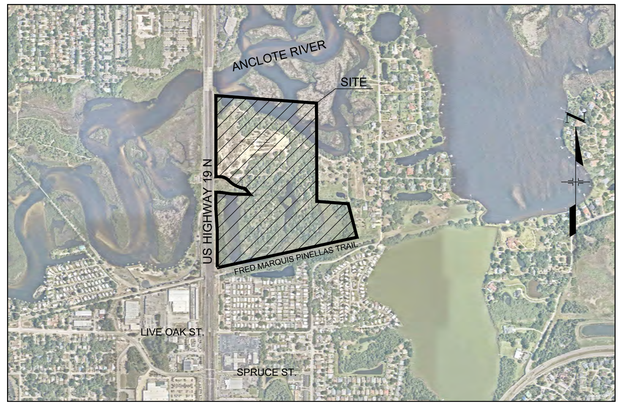
RESOLUTION 2021-60 EXHIBIT B

MORGAN ANCLOTE HARBOR

42501 US HIGHWAY 19 N
TARPON SPRINGS, FLORIDA



STATE MAP
N.T.S.



SECTION 6, TOWNSHIP 27, RANGE 16E
SECTION 7, TOWNSHIP 27, RANGE 16E

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CODE SUMMARY

BUILDING CODES IN EFFECT:

- Florida Building Code, Building - 7th Edition, 2020
- Florida Building Code, Existing Building - 7th Edition, 2020
- Florida Building Code, Mechanical - 7th Edition, 2020
- Florida Building Code, Fuel Gas - 7th Edition, 2020
- Florida Building Code, Plumbing - 7th Edition, 2020
- Florida Building Code, Accessibility - 7th Edition, 2020
- Florida Building Code, Test Protocols - 7th Edition, 2020
- Florida Building Code, Energy Conservation - 7th Edition, 2020
- Florida Fire Prevention Code, Energy Conservation - 7th Edition, 2020
- NFPA 70 National Electric Code - 2020 Edition
- NFPA 1 Uniform Fire Code - 7th Edition, 2021
- NFPA 101 Life Safety Code - 2021 Edition
- NFPA 241 Standard for Safeguarding Construction, Alteration, and Demolition Operations
- City Of Clearwater Municipal Code, Current Edition
- ADA Standards For Accessible Design, 2010 Edition

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DEVELOPER:
MORGAN GROUP DEVELOPMENT, LLC
5606 S. RICE AVENUE
HOUSTON, TEXAS 77081

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

Kimley»Horn
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655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

DESIGN ENGINEER
NATHAN Q. LEE, P.E.
No. 69843
STATE OF FLORIDA REGISTRATION NUMBER
PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

COVER SHEET

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C000

This item has been digitally signed and sealed by Nathan Q Lee, P.E. on the date indicated here using a Digital Signature.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD Work\PlanSheets\C000 - COVER SHEET.dwg C000 - COVER SHEET Nov 02, 2021 3:37pm by: haley.skinner
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Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD\Work\PlanSheets\C001 – GENERAL NOTES.dwg C001 – GENERAL NOTES Nov 02, 2021 3:37pm by: haley.skinner
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GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND FDOT STANDARD PLANS (LATEST EDITIONS), AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL OBTAIN A COPY OF THE FDOT STANDARD SPECS. AND FDOT STANDARD PLANS (LATEST EDITIONS) PRIOR TO COMMENCING WORK. THE STANDARD SPECS. CAN BE FOUND AT HTTPS://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS/DEFAULT.SHTM AND THE FDOT STANDARD PLANS CAN BE FOUND AT HTTPS://WWW.FDOT.GOV/DESIGN/STANDARDPLANS/SPRBC.SHTM
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY NEED TO NOTIFY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
8. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
11. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES.
12. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
14. EXISTING SIDEWALK AND LANDSCAPING WITHIN THE RIGHT OF WAY SHALL BE RECONSTRUCTED WITH THE APPROVAL OF FDOT, PINELLAS COUNTY, AND/OR THE CITY. RECONSTRUCTION SHALL FOLLOW THE GENERAL STANDARDS FOR SIDEWALKS AND LANDSCAPING PROVIDED IN TABLE 5 OF THE US 19 ZONING DISTRICT & DEVELOPMENT STANDARD.
15. WATER SUPPLY SHALL BE ESTABLISHED BEFORE ANY VERTICAL CONSTRUCTION BEGINS. SHALL MEET THE REQUIREMENTS OF NFPA 1 (LATEST EDITION), CHAPTER 18.
16. CONTRACTOR TO COMPLY WITH ALL CITY NOISE ORDINANCES THAT MAY RESTRICT ACTIVITIES CONDUCTED PRIOR TO 7:00AM. PARTICULARLY ALONG THE EASTERN PROPERTY LINE AND WHEREVER HOUSES ARE WITHIN 1,000 FEET FROM THE CONSTRUCTION SITE.
17. ANY DISRUPTION TO EXISTING ROADWAY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE.

DEMOLITION NOTES

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER PER THE INSTRUCTION OF THE ENVIRONMENTAL CONSULTANT.
2. "INTENTIONALLY DELETED"
3. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

WATER AND SEWER UTILITY NOTES

1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
2. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.
3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
8. UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR BEFORE BACK FILLING.
9. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.
10. CONTRACTOR SHALL NOT OPERATE OR PRESSURE TEST AGAINST ANY CITY INSTALLED VALVES OR FITTINGS.
11. RECENT FIRE FLOW TEST DATA SHALL BE UTILIZED FOR DESIGN OF ANY REQUIRED FIRE PROTECTION SYSTEM(S) FOR THIS DEVELOPMENT. ANY NECESSARY PUBLIC SYSTEM UPGRADES OR EXTENSIONS SHALL BE PERFORMED BY THE CITY AT THE EXPENSE OF THE DEVELOPER.
12. CONTRACTOR SHALL SCHEDULE AND MAKE PAYMENT FOR NECESSARY CITY WORK THROUGH THE CITY'S WATER RESOURCES DEPARTMENT. CITY FORCES SHALL PERFORM ALL TAPS AND INSTALL BOTH WATER AND FIRE SERVICE UP TO AND INCLUDING THE BACK FLOW PREVENTION DEVICES.
13. ALL AT GRADE UTILITY APPURTENANCE SHALL BE ADJUSTED TO MEET FINAL PROPOSED GRADES BY OR AT THE DIRECTION OF THE UTILITY OWNER.
14. CONTRACTOR MUST NOTIFY THE CITY 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK INVOLVING EXISTING UTILITIES.

MAINTENANCE OF TRAFFIC NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH F.D.O.T. STANDARD PLANS INDEX SERIES 102 DEPENDING ON THE OPERATION BEING PERFORMED. THE CONTRACTOR MAY SUBSTITUTE ANOTHER INDEX WITH APPROVAL BY THE ADMINISTRATOR. SEE M.O.T. DETAILS SHEETS.
2. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE CONSTRUCTION LIMITS THAT HAVE BEEN ALTERED BECAUSE OF CONSTRUCTION OPERATIONS SHALL BE REPLACED UPON THE COMPLETION OF THE PROJECT.
3. PEDESTRIANS, BICYCLES, AND WHEELCHAIRS: AT THE END OF EACH WORKDAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP-OFF ADJACENT TO A SIDEWALK SHALL BE BACKFILLED AT A SLOPE NOT TO EXCEED 1:4, OR SHALL BE PROTECTED IN ACCORDANCE WITH STANDARD PLANS INDEX SERIES 102.
4. PEDESTRIAN AND WHEELCHAIR TRAFFIC SHALL BE ACCOMMODATED UTILIZING STANDARD PLANS INDEX 102-660.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR TRAFFIC CONTROL IN A MANNER APPROVE BY THE ENGINEER.
6. THE CONTRACTOR SHALL PREPARE A MAINTENANCE OF TRAFFIC PLAN BY A CERTIFIED MOT CONTRACTOR AND SUBMIT FOR APPROVAL TO THE FDOT.

SWFWMD STORMWATER MANAGEMENT FACILITY SUBMITTALS AND CERTIFICATION

1. WHEN A STORMWATER MANAGEMENT SYSTEM PERMITTED BY THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT IS ALTERED DURING CONSTRUCTION, A FLORIDA REGISTERED PROFESSIONAL ENGINEER OR PERSON UNDER THEIR RESPONSIBLE SUPERVISION, DIRECTION, OR CONTROL MUST BE ON THE CONSTRUCTION SITE AS NEEDED TO CERTIFY THAT THE SYSTEM WAS CONSTRUCTED AS PERMITTED. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THE ENGINEER IS ON-SITE TO INSPECT THE ALTERATION OF THE STORMWATER MANAGEMENT FACILITY. THE ENGINEER MUST ALSO NOTIFY THE SWFWMD SURFACE WATER REGULATION MANAGER OF THE TAMPA REGULATION DEPARTMENT AT LEAST 48 HOURS IN ADVANCE. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE NOTICE TO THE ENGINEER.
2. WITHIN 30 DAYS AFTER COMPLETION OF THE CONSTRUCTION OF THE STORMWATER MANAGEMENT FACILITY, THE ENGINEER, ON BEHALF OF THE PERMITTEE, SHALL SUBMIT TO THE SWFWMD TAMPA SERVICE OFFICE A WRITTEN STATEMENT OF COMPLETION AND CERTIFICATION BY A REGISTERED PROFESSIONAL ENGINEER UTILIZING THE REQUIRED STATEMENT OF COMPLETION AND REQUEST FOR TRANSFER TO OPERATION ENTITY FORM IDENTIFIED IN CHAPTER 40D-1.659 OF THE FLORIDA ADMINISTRATIVE CODE. THIS PACKAGE MUST ALSO INCLUDE SIGNED, DATED, AND SEALED RECORD DRAWINGS. THE GENERAL CONTRACTOR MUST PROVIDE AS-BUILT SURVEYS TO THE ENGINEER WITHIN 10 DAYS OF COMPLETION OF THE STORMWATER MANAGEMENT FACILITY AND NO LATER THAN 30 DAYS PRIOR TO THE CONTRACTED COMPLETION DATE. THE AS-BUILT SURVEYS MUST MEET THE FOLLOWING REQUIREMENTS:
   - PREPARED AND SIGNED BY A REGISTERED LAND SURVEYOR IN THE STATE OF FLORIDA
   - PRESENTED ON A PLAN INDICATING (AT A MINIMUM) THE HORIZONTAL LOCATION OF ALL STORMWATER FACILITY COMPONENTS INCLUDING BUT NOT LIMITED TO THE STORMWATER POND, RETAINING WALLS, STORMWATER STRUCTURES, PIPES, AND FILTRATION SYSTEM
   - INCLUDE VERTICAL LOCATIONS (AT A MINIMUM) FOR ALL STORMWATER PIPE AND STRUCTURE INVERT ELEVATIONS, STORMWATER PONDS, RETAINING WALLS, TOP/GRATE ELEVATIONS, PIPE SIZES, AND PIPE TYPES.
   - MEETING THE AS-BUILT SURVEY REQUIREMENTS OF THE SWFWMD, FDOT, AND CITY OF TARPON SPRINGS.

HISTORIC RESOURCES STATEMENT

THE FOLLOWING REQUIREMENTS APPLY TO ALL BUILDING CONSTRUCTION OR ALTERATION, OR LAND ALTERATION ACTIVITIES.

A. IF EVIDENCE OF EXISTENCE OF HISTORIC RESOURCES IS DISCOVERED OR OBSERVED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITIES AFTER FINAL APPROVAL, ALL WORK SHALL CEASE IN THE AFFECTED AREA. THE DEVELOPER, OWNER, CONTRACTOR, OR AGENT THEREOF SHALL NOTIFY THE FLORIDA DIVISION OF HISTORICAL RESOURCES WITHIN TWO WORKING DAYS. EXAMPLES OF EVIDENCE OF HISTORIC RESOURCES INCLUDE WHOLE OR FRAGMENTARY STONE TOOLS, SHELL TOOLS, ABORIGINAL OR HISTORIC POTTERY, HISTORIC GLASS, HISTORIC BOTTLES, BONE TOOLS, HISTORIC BUILDING FOUNDATIONS, SHELL MOUNDS, SHELL MIDDENS, OR SAND MOUNDS.

B. IF ANY HUMAN SKELETAL REMAINS OR ASSOCIATED BURIAL ARTIFACTS ARE DISCOVERED AT DEVELOPMENT SITES OR DURING DEVELOPMENT ACTIVITY, ALL WORK IN THE AREA MUST CEASE, AND THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE NEAREST LAW ENFORCEMENT OFFICE. ACCORDING TO CHAPTER 872, FLORIDA STATUTES, IT IS UNLAWFUL TO DISTURB, VANDALIZE, OR DAMAGE A HUMAN BURIAL.

PAVING, GRADING AND DRAINAGE NOTES

1. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED/SEEDED.
2. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
3. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
4. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED/SEEDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
5. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
6. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
7. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
8. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
9. IF OFFSITE DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
10. "INTENTIONALLY DELETED"
11. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
13. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED/SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED/SEEDED AS SHOWN ON THE LANDSCAPING PLAN.
14. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
16. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
17. SOD/SEED, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 7 DAYS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
18. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
19. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER PER THE INSTRUCTION OF THE ENVIRONMENTAL CONSULTANT.
20. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.
21. CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BASED ON THE CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
22. PRIVATE CURB RAMPS ON THE SITE (I.E. OUTSIDE PUBLIC STREET RIGHT-OF-WAY) SHALL CONFORM TO ADA STANDARDS AND SHALL HAVE A DETECTABLE WARNING SURFACE THAT IS FULL WIDTH AND FULL DEPTH OF THE CURB RAMP, NOT INCLUDING FLARES.
23. ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION.
24. ANY COMPONENTS OF THE PROJECT SERVING MULTIFAMILY DWELLINGS IN BUILDINGS THAT HAVE 4 OR MORE UNITS PER DWELLING SHALL ALSO CONFORM TO THE FAIR HOUSING ACT (FHA), AND COMPLY WITH THE FAIR HOUSING ACT DESIGN MANUAL BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT.
25. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA AND FHA) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPE EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0 PERCENT SLOPE IN ANY DIRECTION.
26. CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.

FDOT NOTES

SEE FDOT ROADWAY DRAWINGS UNDER SEPARATE COVER.

DEWATERING NOTES

1. IF GROUNDWATER WILL BE DISCHARGED TO SURFACE WATERS FROM A NON-CONTAMINATED SITE, CONTRACTOR SHALL OBTAINED FDEP, FAC 62-621.300(2), GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY, EFFECTIVE DATE FEBRUARY 14, 2000.

ASBUILT AND TESTING NOTES

1. REFER TO STATE AND MUNICIPAL STANDARDS FOR TESTING AND ASBUILT REQUIREMENTS. THESE NOTES ARE PROVIDED ONLY IN CASE OF ABSENCE OF AGENCY OR OWNER REQUIREMENTS.
2. SIGNED AND SEALED AS-BUILTS SHALL BE PREPARED BY THE CONTRACTOR ACCORDING TO AGENCY CLEARANCE AND OWNER REQUIREMENTS.
3. TESTING SHALL BE PERFORMED BY THE CONTRACTOR ACCORDING TO ALL APPLICABLE REGULATIONS.
4. IN ADDITION TO THE REQUIREMENTS ABOVE, THE CONTRACTOR SHALL PERFORM THE FOLLOWING TESTS AND PROVIDE RESULTS TO OWNER AND ENGINEER:
   - 4.1. FOR GRAVITY SANITARY SEWER: AIR TESTED BETWEEN MANHOLES AT 3.5 PSI FOR 5 MINUTES PER ASTM F1417 FOR PLASTIC PIPES
   - 4.2. FOR SANITARY FORCEMAINS: HYDROSTATIC PRESSURE TEST OF 150 PSI FOR 2 HOURS.
   - 4.3. FOR WATERMAINS AND SERVICE LATERALS: HYDROSTATIC PRESSURE TEST OF 150 PSI FOR 2 HOURS.
   - 4.4. FOR FIRE MAINS: PER FFPC AND NFPA
   - 4.5. FOR LIFT STATIONS: START-UP OBSERVATION REPORT BY PUMP MANUFACTURER.
   - 4.6. FOR CONCRETE PAVEMENT: TEST CYLINDERS (7 DAY AND 28 DAY BREAKS) AT RATE OF 1 PER 100 CY.
   - 4.7. FOR ASPHALT PAVEMENT: CORES TAKEN 3 HEAVY DUTY AND 3 LIGHT DUTY PER DAY OF ASPHALT WORK, LOCATIONS AS SPECIFIED BY OWNER. THE CORES SHALL BE TESTED FOR DENSITY AND CONFORMANCE TO THICKNESS REQUIREMENTS. CORES SHALL BE HOT-PATCHED BY CONTRACTOR.
   - 4.8. FOR SUBGRADE: DENSITY SHALL BE TESTED BY NUCLEAR METHOD, ASTM D6938. ONE TEST IN EACH LIFT FOR EACH 10,000 SQ. FT.
   - 4.9. FOR BASE: DENSITY SHALL BE TESTED BY NUCLEAR METHOD, ASTM D6938. ONE TEST IN EACH LIFT FOR EACH 10,000 SQ. FT. OF IN-PLACE BASE MATERIAL AREA. THICKNESS SHALL BE TESTED ONCE FOR EACH 20,000 SQ. FT. OF IN-PLACE BASE MATERIAL AREA.
   - 4.10. FOR UTILITY TRENCHES: DENSITY TESTS EVERY 300', MINIMUM OF ONE TEST BETWEEN EACH STRUCTURE.
5. IN CASE OF CONFLICT OR DUPLICATION, CONTRACTOR SHALL ISSUE BID QUESTION ACCORDING

STORM WATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION:

PROJECT NAME AND LOCATION:

MORGAN ANCLOTE HARBOR
42501 US HIGHWAY 19 N
TARPON SPRINGS, FLORIDA 34689
*SEE COVER SHEET FOR LOCATION MAP

DEVELOPER NAME AND ADDRESS:

MORGAN GROUP DEVELOPMENT, LLC
5606 S. RICE AVENUE
HOUSTON, TEXAS 77081

PROJECT DESCRIPTION:

THE PROJECT WILL CONSIST OF SITE CONSTRUCTION AND ASSOCIATED PAVING, GRADING, STRIPING, AND UTILITIES.

TOTAL PROJECT AREA: 64.17 ACRES

ULTIMATE RECEIVING WATERS: ANCLOTE RIVER

ACTIVITIES THAT REQUIRE EROSION CONTROL:

SITE CLEARING AND GRUBBING; PROVIDING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; SITE GRADING; INSTALLATION OF STORM WATER, SANITARY SEWER, AND WATER INFRASTRUCTURE; CURB AND GUTTER, ROADWAYS, AND SIDEWALKS; LANDSCAPING.

*SEE PLANS FOR THE LOCATION OF TEMPORARY SEDIMENT BARRIERS AND OTHER EROSION CONTROL METHODS.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF CONSTRUCTION IS AS FOLLOWS:

1. CONTRACTOR SHALL PREPARE AND FILE SWPPP AND NPDES NOI.
2. PROVIDE STABILIZED CONSTRUCTION ENTRANCE
3. INSTALL SILT FENCES AND OTHER PERIMETER CONTROLS
4. CLEAR AND GRUB FOR SEDIMENT BASIN AND EARTH DIKE
5. CONSTRUCT EARTH DIKE AND SEDIMENT BASIN
6. FINISH CLEARING AND GRUBBING
7. REMOVE AND STORE TOPSOIL
8. PROVIDE INITIAL GRADING AS REQUIRED
9. STABILIZE ALL DISTURBED AREAS AS SOON AS POSSIBLE AND ALWAYS WITHIN 7 DAYS OF INACTIVITY.
10. INSTALL UTILITIES, STORM SEWER, CURB AND GUTTER
11. INSTALL BASE TO ROAD AND PARKING AREA
12. FINISH GRADING ENTIRE SITE
13. PROVIDE REQUIRED LANDSCAPING
14. CONSTRUCT FINAL PAVING
15. REMOVE ACCUMULATED SEDIMENT
16. REMOVE ANY ITEMS THAT ARE NOT REQUIRED
17. COMPLETE FINAL STABILIZATION AND FILE NOT.

TIMING OF CONTROL MEASURES:

THE INSTALLATION OF SILT FENCE (AND OTHER EROSION CONTROL MEASURES), A STABILIZED ENTRANCE AND SEDIMENT BASIN SHALL OCCUR PRIOR TO CLEARING AND GRUBBING ACTIVITY. AFTER CONSTRUCTION IS COMPLETE, THE ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE AREAS SHALL BE REGRADED AND PERMANENTLY STABILIZED AS SHOWN ON THE PLANS.

EROSION AND SEDIMENT CONTROLS:

BEST MANAGEMENT PRACTICES SHALL BE USED FOR THIS PROJECT TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF. THE LOCATION AND DETAILS OF EROSION CONTROL METHODS ARE SHOWN ON THE PLANS. THE SUB-CONTRACTOR(S) IS/ARE RESPONSIBLE FOR PLACING AND MAINTAINING THESE CONTROL METHODS AS SHOWN ON THE PLANS OR AS REQUIRED. HE/SHE SHALL ALSO PROVIDE THE REQUIRED EROSION PROTECTION AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW. OFFSITE SHALL BE COVERED WITH A TARPAULIN.

STORM WATER MANAGEMENT:

STORM WATER COLLECTION SHALL BE PROVIDED BY DRAINAGE INLETS FOR THE DEVELOPED AREAS. THE AREAS THAT ARE REGRADED BUT NOT DEVELOPED SHALL BE STABILIZED IMMEDIATELY AFTER REGRADING. THE ENTIRE SITE SHALL DRAIN TO A SWMF. THE SWMF SHALL BE IN THE AREA OF THE TEMPORARY SEDIMENT BASINS. WHEN SLOPES HAVE BEEN STABILIZED, THE SEDIMENT THAT HAS ACCUMULATED SHALL BE REMOVED FROM THE BASIN AND THE APPROPRIATE VEGETATION SHALL BE PLANTED.

STABILIZATION PRACTICES:

TEMPORARY STABILIZATION - TOPSOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASE FOR AT LEAST 21 DAYS, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH WITHIN 14 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED REQUIRED CAN BE FOUND IN TABLE 1.65 A OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, WHERE SOILS ARE ACIDIC 2 TONS OF PULVERIZED AGRICULTURAL LIMESTONE SHOULD BE ADDED PER ACRE AND 450 POUNDS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EACH ACRE. AFTER SEEDING, EACH AREA SHALL BE IMMEDIATELY MULCHED WITH STRAW OR EQUIVALENT EQUAL. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE APPROPRIATE PERMANENT SEED MIX CAN BE FOUND IN TABLES 1.66A, 1.66B AND 1.66C OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, 2 TONS/ACRE OF FINELY GROUND AGRICULTURAL LIMESTONE AND THE PROPER FERTILIZER BASED ON THE TYPE OF SEEDING SHALL BE APPLIED TO EACH ACRE TO PROVIDE PLANT NUTRIENTS. AFTER SEEDING, EACH AREA SHALL BE MULCHED IMMEDIATELY.

STRUCTURAL PRACTICES:

EARTH DIKE - IF REQUIRED, AN EARTH DIKE SHALL BE CONSTRUCTED ALONG THE SITE PERIMETER. A PORTION OF THE DIKE SHALL DIVERT RUN-ON AROUND THE CONSTRUCTION SITE. THE REMAINING PORTION OF THE DIKE SHALL COLLECT RUNOFF FROM THE DISTURBED AREA AND DIRECT THE RUNOFF TO THE SEDIMENT BASIN.

SEDIMENT BASIN - A SEDIMENT BASIN SHALL BE CONSTRUCTED IN THE COMMON DRAINAGE AREA FOR THE SITE. THIS STORAGE POND SHALL HAVE A VOLUME OF 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE. ALL SEDIMENT COLLECTED IN THE BASIN MUST BE REMOVED FROM THE BASIN UPON COMPLETION OF CONSTRUCTION. SEDIMENT FROM THE BASIN MAY BE USED AS FILL ON THE SITE IF IT IS SUITABLE SOIL.

WASTE DISPOSAL:

WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.

HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.

SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.

OFFSITE TRACKING:

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPAULIN.

ITEMS REQUIRING POLLUTION PREVENTION:

THE FOLLOWING ITEMS ARE EXPECTED TO BE PRESENT ON THE PROJECT SITE: ASPHALT, CONCRETE, CLEANING SUPPLIES, DETERGENTS, FERTILIZERS, MASONARY BLOCKS/BRICKS, METAL PIECES, PAINT, PETROLEUM BASED PRODUCTS, ROOFING SUPPLIES, TAR, WOOD.

THE FOLLOWING ARE NON-STORM WATER SOURCES THAT WILL BE ENCOUNTERED AT THE SITE AND SHOULD BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE:
-UNCONTAMINATED GROUNDWATER EXPOSED DURING EXCAVATION
-WATER FROM WATER LINE FLUSHING
-PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

SPILL PREVENTION AND CONTROL:

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

-SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
-STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.
-ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
-ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
-PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
-ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

HAZARDOUS PRODUCTS:

-MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
-PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

PRODUCT SPECIFIC PRACTICES:

-PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.
-THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
-PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.
-CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
-SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
-THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.
-ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.
-WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.
-TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
-AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
-THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

MAINTENANCE AND INSPECTION PRACTICES

THE FOLLOWING ARE MAINTENANCE AND INSPECTION PRACTICES THAT SHALL BE COMPLETED BY THE CONTRACTOR:

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL BY THE SUPERINTENDENT OR SOMEONE UNDER HIS/HER DIRECT SUPERVISION.
-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE KEPT IN GOOD CONDITION. REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.
-THE SILT FENCE SHALL BE CLEARED OF SEDIMENT WHEN SEDIMENT MEASURES ONE-THIRD THE HEIGHT OF THE FENCE.
-THE SILT FENCE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF FENCE.
-THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. THEY SHALL BE CLEANED WHEN SEDIMENT REACHES 10% OF TOTAL CAPACITY AND AFTER CONSTRUCTION IS COMPLETE.
-THE DIVERSION DIKE SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.
-ALL SEEDING SHALL BE CHECKED FOR PROPER GROWTH AND UNIFORMITY. UNSTABALIZED AREAS SHALL BE RE-SODDED.
-A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.
-THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

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CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNATURE/DATE	COMPANY NAME/ADDRESS	RESPONSIBILITY

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGNED BY NATHAN O. LEE, P.E. No. 69843 — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

SWPPP NOTES

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C002

This item has been digitally signed and sealed by Nathan O. Lee, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD\Work\PlanSheets\C002 - SWPPP NOTES.dwg C002 - SWPPP NOTES Nov 02, 2021 3:38pm by: haley.skinner
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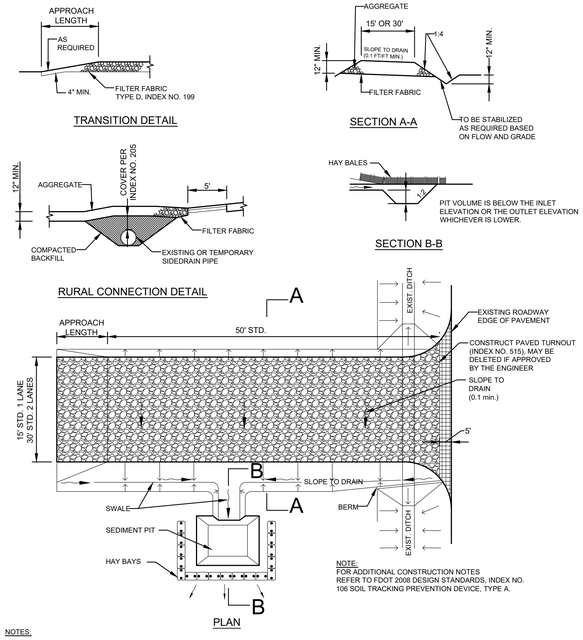


NOTES:

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS- OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
N.T.S.

FIGURE 1

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1½" x 1½" square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

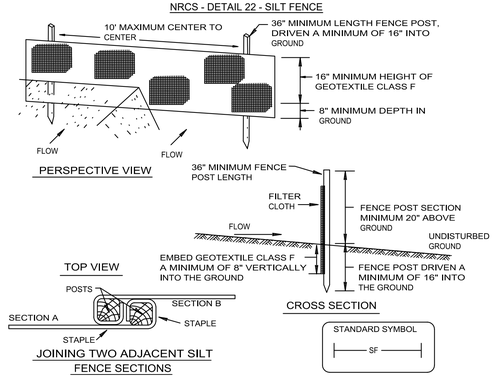
Tensile Strength	50 lbs/in (min.)
Tensile Modulus	20 lbs/in (min.)
Flow Rate²	0.3 gal ft / minute (max.)
Filtering Efficiency	75% (min.)

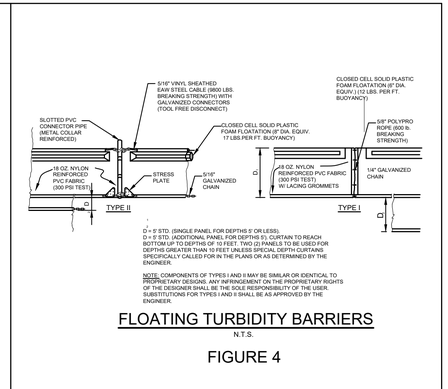
3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

TEMPORARY SEDIMENT FENCE (SF)
N.T.S.

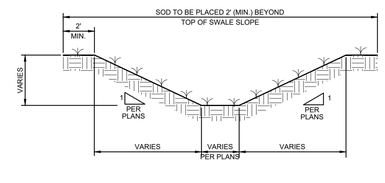
FIGURE 2





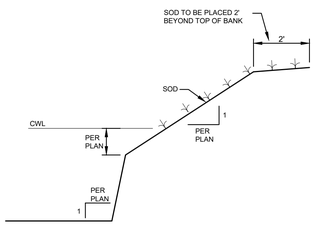
FLOATING TURBIDITY BARRIERS
N.T.S.

FIGURE 4



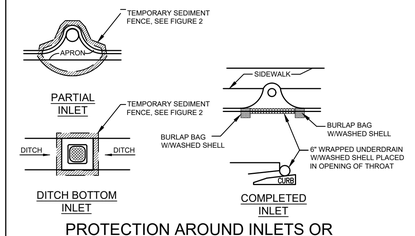
TYPICAL SWALE SECTION
N.T.S.

FIGURE 5



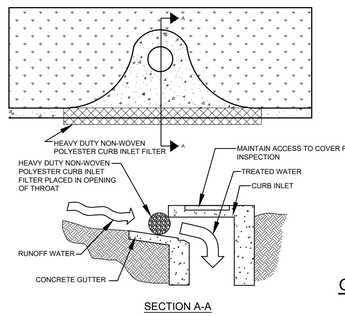
TYPICAL RETENTION/DETENTION POND SECTION
N.T.S.

FIGURE 6



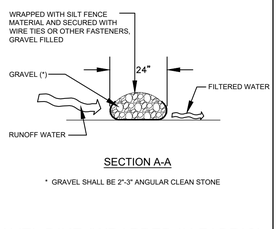
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
N.T.S.

FIGURE 7



SECTION A-A

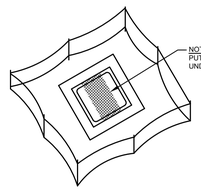
SOCK DRAIN INLET PROTECTION
N.T.S.



SECTION A-A

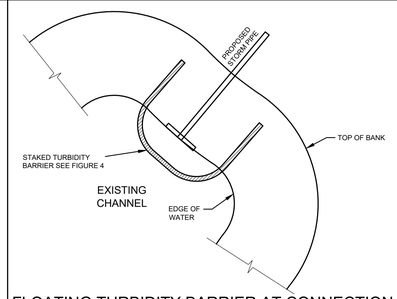
* GRAVEL SHALL BE 2"-3" ANGULAR CLEAN STONE

GRAVEL DIKE (WRAPPED IN FABRIC)
N.T.S.



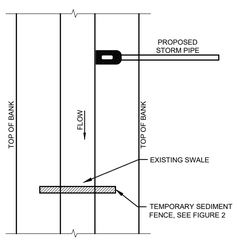
STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS
N.T.S.

FIGURE 8



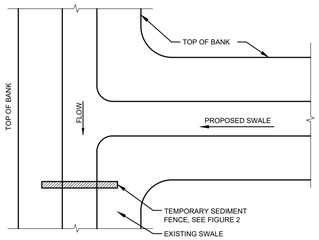
FLOATING TURBIDITY BARRIER AT CONNECTION OF STORM PIPE TO EXISTING LAKE
N.T.S.

FIGURE 9



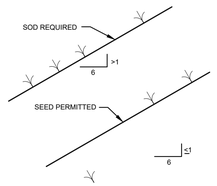
SILT BARRIER AT CONNECTION OF STORM PIPE TO EXISTING SWALE
N.T.S.

FIGURE 10



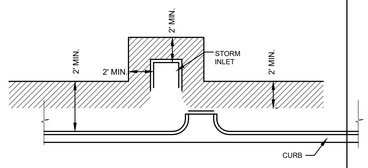
SILT BARRIER AT CONNECTION OF SWALE TO EXISTING SWALE
N.T.S.

FIGURE 11



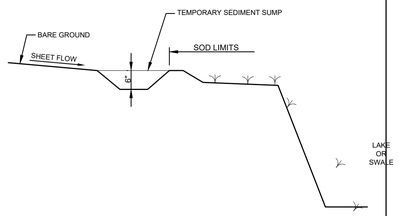
GRASS SLOPES
N.T.S.

FIGURE 14



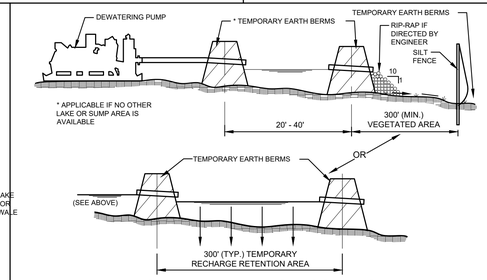
SOD ALONG CURB AND AROUND INLET
N.T.S.

FIGURE 15



TEMPORARY SEDIMENT SUMP
N.T.S.

FIGURE 16



TYPICAL DEWATERING DISCHARGE PLAN
N.T.S.

FIGURE 17

GROUNDWATER / DEWATERING NOTE:

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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1	SWFWMD COMMENTS	10/14/2021 BDM
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PROFESSIONAL ENGINEER
NATHAN G. LEE
No. 69843
STATE OF FLORIDA
REGISTRATION NUMBER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

SWPPP DETAILS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C003

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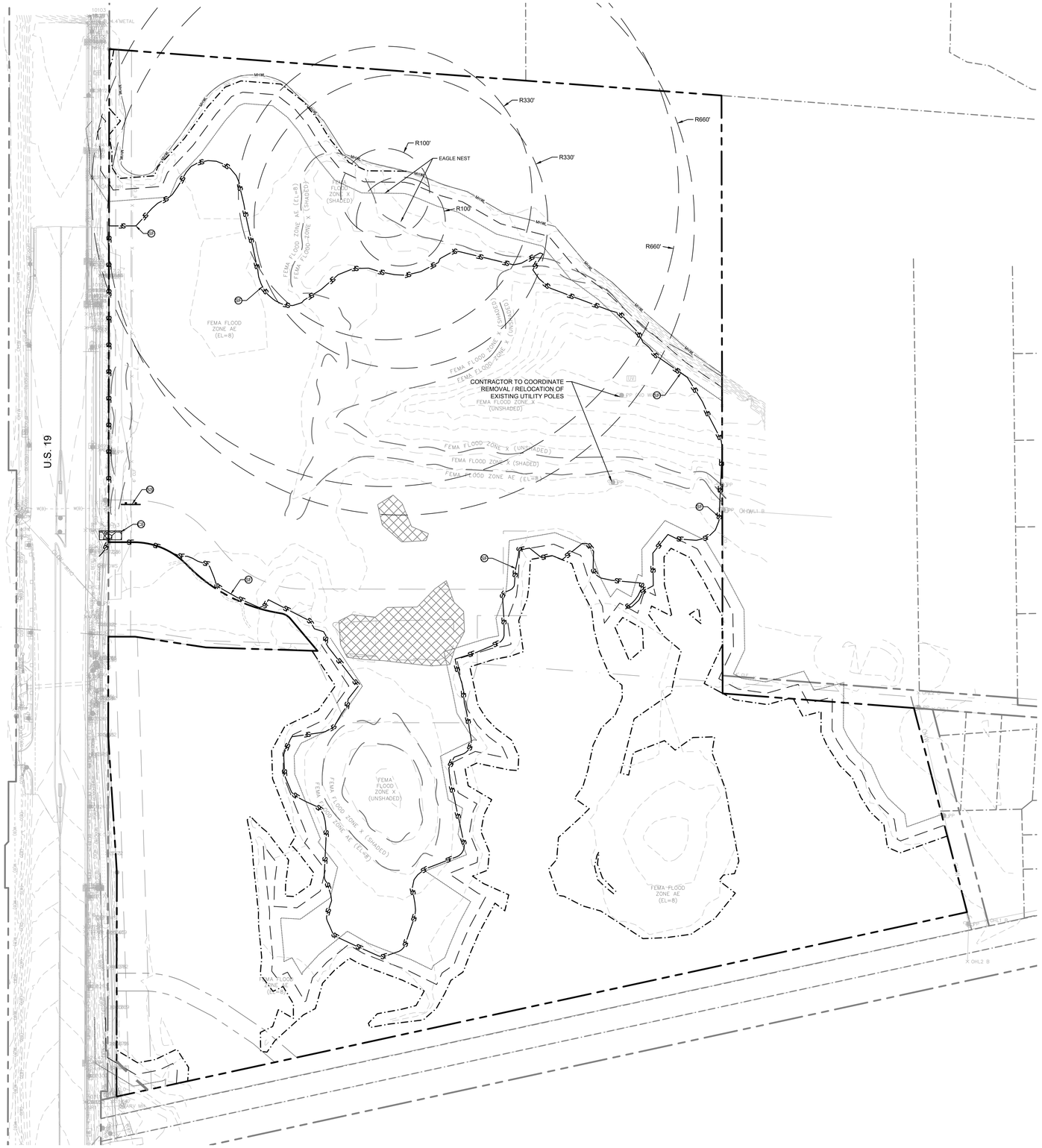

NORTH

GRAPHIC SCALE IN FEET
0 60 120 240

LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY LINE
- NORTH BLVD R/W
- EASEMENT LINE
- SECTION LINE
- FLOOD PLAIN LINE
- MEAN HIGH WATER LINE (MHWL)
- EXISTING CONTOUR (10)

LEGEND

PROPOSED PRIMARY WETLAND IMPACT 0.912 AC

SWPPP LEGEND

- (SS) SWPPP INFORMATION SIGN
- (SF) SEDIMENTATION/SILT FENCE
- (CE) TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGNED BY SHAWN LEE
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FLORIDA REGISTRATION NUMBER
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

SWPPP PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C100

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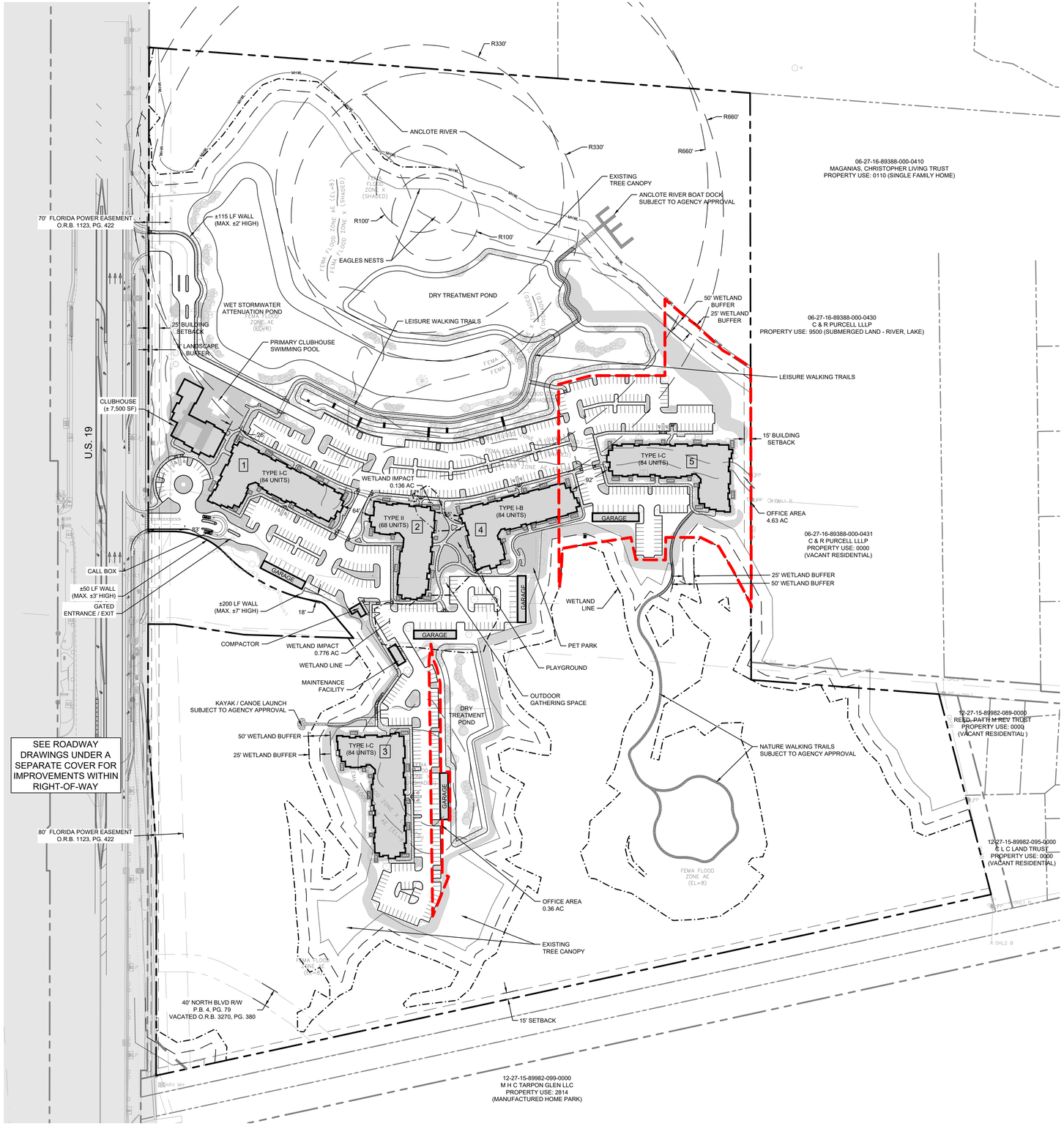


NORTH

GRAPHIC SCALE IN FEET
0 60 120 240

LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY LINE
- NORTH BLVD R/W
- EASEMENT LINE
- SECTION LINE
- FLOOD PLAIN LINE
- MEAN HIGH WATER LINE
- PROPOSED BUILDING
- PROVIDED RESIDENTIAL ON OFFICE LAND AREA - 4.99 AC (PER PINELLAS COUNTY WIDE PLAN, EFFECTIVE 10/24/2019)
- EXISTING CONTOUR
- PROPOSED CONTOUR

SIGNAGE NOTE:

ALL ON-SITE SIGNAGE SHALL COMPLY WITH THE MUTCD AND CITY OF TARPON SPRINGS COMPREHENSIVE ZONING AND LAND DEVELOPMENT CODE SECTION 127.06. REFERENCE SHEET C502 FOR DETAIL.

LIGHTING NOTE:

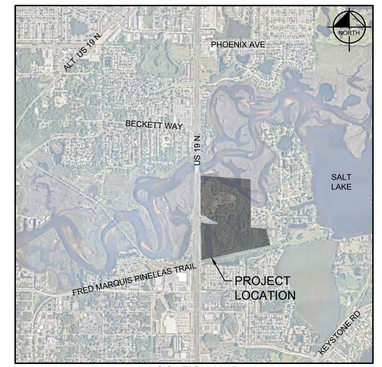
ON-SITE LIGHTING FIXTURE SELECTIONS SHALL AVOID GLARE AND LIGHT TRESPASS ON ADJACENT PROPERTIES BY SHIELDING THE LIGHT SOURCE THROUGH THE USE OF EXTERNAL GLARE SHIELDS WHERE APPLICABLE. FINAL LIGHTING FIXTURE SELECTION AND PLACEMENT TO DIRECTIONALLY DISPERSE LIGHT DOWNWARD TO MINIMIZE NIGHTTIME LIGHT POLLUTION. ANTICIPATED MOUNTING HEIGHT OF LIGHTING FIXTURES TO BE A MAXIMUM 30' ON DECORATIVE POWDER COATED MOUNTING POLES.

WAIVERS

APPLIED FOR	
WAIVER	DESCRIPTION
LDC SECTION 78.01(E)(7)(d) MAXIMUM ALLOWABLE HEIGHT	TO INCREASE THE ALLOWABLE MAXIMUM BUILDING HEIGHT FROM 45 FT TO 53 FT

SITE DATA TABLE

SITE SIZE		
	EXISTING	PROPOSED
TOTAL SITE	64.17 AC	64.17 AC
UPLANDS	42.09 AC (26.65 CG / 15.44 ROG)	43.00 AC (27.53 CG / 15.47 ROG)
WETLANDS	22.08 AC (10.22 CG / 11.86 ROG)	21.17 AC (9.34 CG / 11.83 ROG)
WETLAND IMPACTS	N/A	0.91 AC
PROPERTY APPRAISER PARCEL NUMBER	06-27-16-89388-000-0420	
ADDRESS	42501 U.S. HIGHWAY 19 NORTH	
PLAN CATEGORY	EAST SIDE: ROG WEST SIDE: CG	
EXISTING ZONING DISTRICT	GB, GENERAL BUSINESS	
PROPOSED ZONING DISTRICT	RPD, RESIDENTIAL PLANNED DEVELOPMENT	
EXISTING LAND USE	VACANT	
PROPOSED LAND USE	404 MULTIFAMILY RESIDENTIAL DWELLINGS, CLUBHOUSE, ACCESSORY GARAGES AND MAINTENANCE BUILDINGS	
FLOOD ZONE	ZONE AE, 8.00' FLOOD PANEL 12103C0036H, 08/23/2021	
	EXISTING	PROPOSED
DENSITY	15 DU / AC MAXIMUM ALLOWED	DENSITY ENTIRE SITE: 404 UNITS / 64.17 AC 6.3 DU / AC DENSITY UPLANDS ONLY: 404 UNITS / 42.09 AC 9.6 DU / AC
ISR	0 IN ROG 0 IN CG	MAXIMUM ALLOWED: 0.75 IN ROG 0.85 IN CG PROPOSED: 0.10 IN ROG 0.24 IN CG
MINIMUM LOT SIZE	10,000 SF	72.62 AC
MINIMUM LOT WIDTH	100'	±2,000'
SETBACKS		
	REQUIRED	PROVIDED
FRONT / WEST	25' MIN.	25' MIN.
SIDE / NORTH & SOUTH	15' MIN.	15' MIN.
REAR / EAST	15' MIN.	15' MIN.
BUILDING SEPARATIONS	15' SIDE FACING SIDE 20' FRONT / REAR FACING SIDE 30' FRONT / REAR FACING FRONT / REAR +5' FOR EACH STORY ABOVE 2 STORIES FOR ALL SEPARATIONS	25' SIDE FACING SIDE 30' FRONT / REAR FACING SIDE 40' FRONT / REAR FACING FRONT / REAR
WETLAND BUFFER	50'	50'
MAXIMUM HEIGHT	45'	53' (WAIVER REQUESTED)
OPEN SPACE PER 78.01 (D7) (TOTAL SITE)	16.04 AC (25% OF TOTAL SITE)	23.28 AC UPLAND OPEN SPACE 8.02 AC WETLANDS / STORM (50% MAX) TOTAL 31.30 AC (49% OF TOTAL SITE)
OPEN SPACE AND IMPERVIOUS PER ORD 2018-27	OPEN SPACE 9.10 AC (30% OF SIGNIFICANT UPLAND HABITAT) MAX. IMPERVIOUS 15.17 AC (50% OF SIGNIFICANT UPLAND HABITAT)	OPEN SPACE 13.89 AC (46% OF SIGNIFICANT UPLAND HABITAT) PROP. IMPERVIOUS 8.52 AC (28% OF SIGNIFICANT UPLAND HABITAT)
PARKING	707 SPACES FOR RESIDENCES (1.75 SPACES / DU) +46 SPACES (1 SPACE / 250 SF OF 11,500 SF CLUBHOUSE BUILDING) +37 SPACES (1 SPACE / 50 SF OF COMMUNITY POOL) LESS 79 SPACES (10% REDUCTION FOR PROXIMITY TO PINELLAS TRAIL) = 711 TOTAL SPACES	710 AT GRADE SPACES +44 GARAGE SPACES = 754 TOTAL SPACES



LOCATION MAP
SCALE: 1" = 2,000'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
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PROFESSIONAL ENGINEER
NATHAN O. LEE, P.E.
No. 69843
STATE OF FLORIDA
DESIGNED BY NOL
DRAWN BY BFN
CHECKED BY ACC

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

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OVERALL SITE PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C200

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MATCHLINE - SHEET C203

WET STORMWATER ATTENUATION POND

DRY STORMWATER TREATMENT POND

POOL

CLUBHOUSE FFE: 11.00

BUILDING 1 (TYPE I, 84 UNITS) FFE: 11.00

BUILDING 2 (TYPE III, 68 UNITES) FFE: 11.00

GARAGE 1

GARAGE 2

TRASH

MAINTENANCE BUILDING

MATCHLINE - SHEET C202

MATCHLINE - SHEET C205

70.0' FLORIDA POWER EASEMENT

SEE ROADWAY DRAWINGS UNDER A SEPARATE COVER FOR IMPROVEMENTS WITHIN RIGHT-OF-WAY

25.0' WETLAND BUFFER

50.0' WETLAND BUFFER

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED AIR CONDITIONER PAD
- PROPOSED RIP RAP

SITE LEGEND

(A) ADA CURB RAMP PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 522-002. TYPE PER PLANS.

(B) PROPOSED ADA PARKING SPACE AND SIGN PER FDOT STANDARD INDEX 711-001. ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.

(C) PROPOSED 4" THICK CONCRETE SIDEWALK. SEE DETAIL SHEET C600. SIDEWALK TO BE CONSTRUCTED LESS THAN 5% RUNNING SLOPE AND LESS THAN 2% CROSS SLOPE.

(D) TYPE "D" CONCRETE CURB TYPICAL PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.

(E) TYPE "F" CONCRETE CURB AND GUTTER PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.

(F) 24" SOLID WHITE STOP BAR (THERMOPLASTIC). 36" STOP SIGN (R1-1). ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.

(G) 4" WIDE WHITE SOLID LINE FOR PARKING STALL STRIPING.

(H) PROPOSED RETAINING WALL WITH FENCE. SEE LANDSCAPE DETAIL.

(I) APPROXIMATE LOCATION OF PROPOSED MONUMENT SIGN

(J) GATE ACCESS FOR ENTRANCE TO PARKING LOTS. SEE FENCING PLAN.

(K) CONCRETE FLUME. SEE DETAIL SHEET C600.

(L) PROPOSED PEDESTRIAN BRIDGE. DESIGNED BY OTHERS.

(M) GATE ACCESS FOR ENTRANCE TO PRIVATE DOCKS. SEE FENCING PLAN.

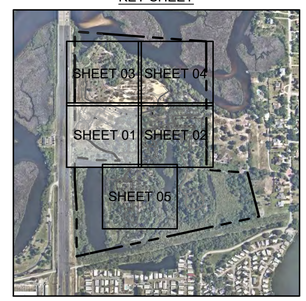
(N) APPROXIMATE LOCATION OF ELECTRIC VEHICLE CHARGING STATION. SEE MEP PLANS.

(O) PROPOSED RETAINING WALL WITH HANDRAIL PER FDOT STANDARD INDEXES 400-001 AND 515-070 RESPECTIVELY.

SIGNAGE NOTE:

ALL ON-SITE SIGNAGE SHALL COMPLY WITH THE MUTCD AND CITY OF TARPON SPRINGS COMPREHENSIVE ZONING AND LAND DEVELOPMENT CODE SECTION 127.05. REFERENCE SHEET C502 FOR DETAIL.

KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
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655 NORTH FRANKLIN STREET, SUITE 150, TAMPA, FL 33602
PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

DESIGNED BY NATHAN O. LEE, P.E. No. 69843 — STATE OF FLORIDA REGISTRATION NUMBER — PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

SITE PLAN - 01

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C201

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Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD\Work\PlanSheets\C201 - SITE PLAN.dwg C201 - SITE PLAN - 01 Nov 02, 2021 3:39pm by: haley.skinner
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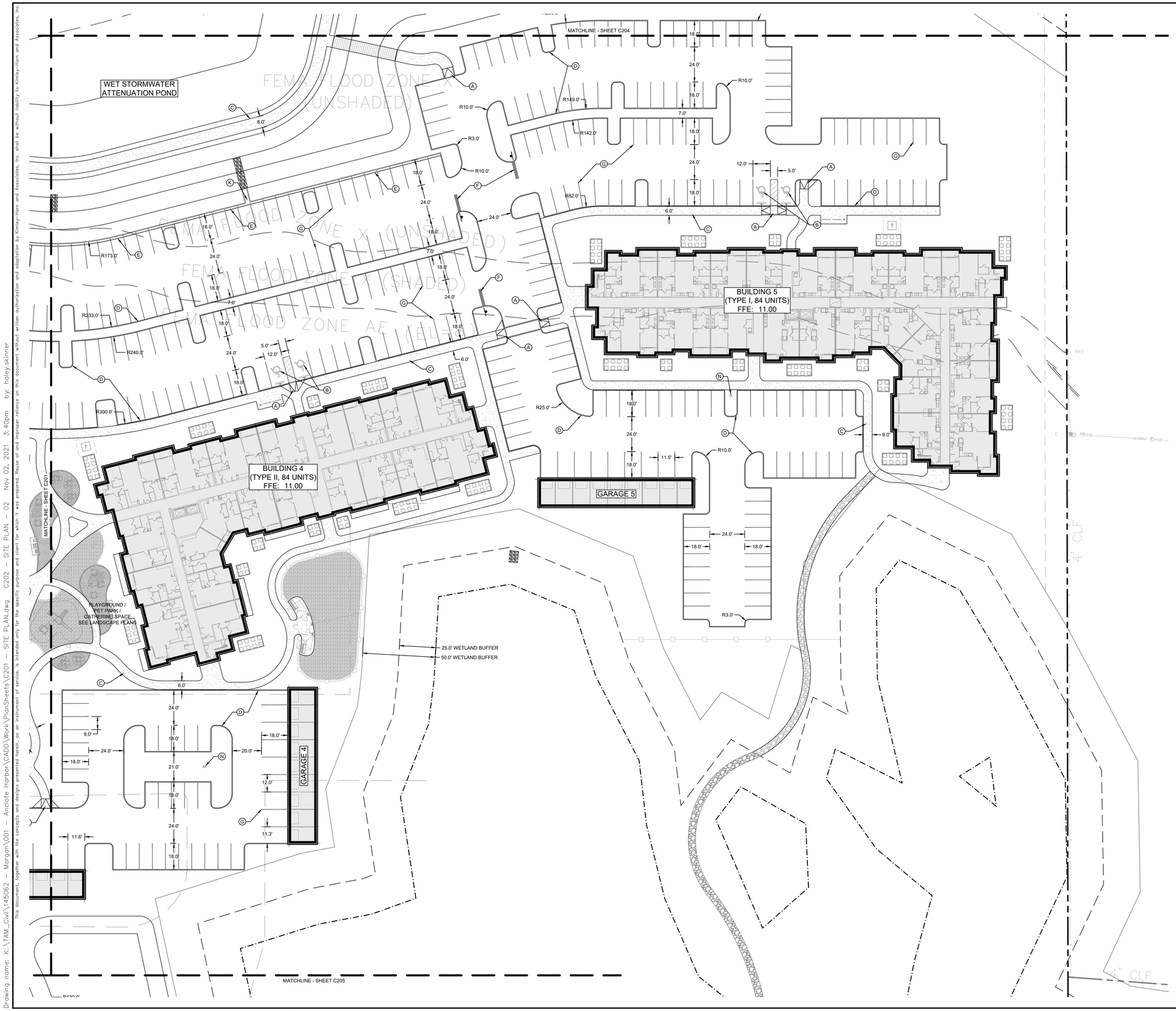


LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED AIR CONDITIONER PAD
- PROPOSED RIP RAP

SITE LEGEND

(A) ADA CURB RAMP PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 522-002. TYPE PER PLANS.

(B) PROPOSED ADA PARKING SPACE AND SIGN PER FDOT STANDARD INDEX 711-001. ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.

(C) PROPOSED 4" THICK CONCRETE SIDEWALK. SEE DETAIL SHEET C600. SIDEWALK TO BE CONSTRUCTED LESS THAN 5% RUNNING SLOPE AND LESS THAN 2% CROSS SLOPE.

(D) TYPE "D" CONCRETE CURB TYPICAL PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.

(E) TYPE "F" CONCRETE CURB AND GUTTER PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.

(F) 24" SOLID WHITE STOP BAR (THERMOPLASTIC). 36" STOP SIGN (R1-1). ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.

(G) 4" WIDE WHITE SOLID LINE FOR PARKING STALL STRIPING.

(H) PROPOSED RETAINING WALL WITH FENCE. SEE LANDSCAPE DETAIL.

(I) APPROXIMATE LOCATION OF PROPOSED MONUMENT SIGN

(J) GATE ACCESS FOR ENTRANCE TO PARKING LOTS. SEE FENCING PLAN.

(K) CONCRETE FLUME. SEE DETAIL SHEET C600.

(L) PROPOSED PEDESTRIAN BRIDGE. DESIGNED BY OTHERS.

(M) GATE ACCESS FOR ENTRANCE TO PRIVATE DOCKS. SEE FENCING PLAN.

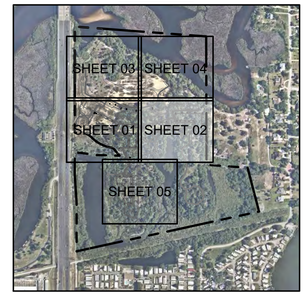
(N) APPROXIMATE LOCATION OF ELECTRIC VEHICLE CHARGING STATION. SEE MEP PLANS.

(O) PROPOSED RETAINING WALL WITH HANDRAIL PER FDOT STANDARD INDEXES 400-001 AND 515-070 RESPECTIVELY.

SIGNAGE NOTE:

ALL ON-SITE SIGNAGE SHALL COMPLY WITH THE MUTCD AND CITY OF TARPON SPRINGS COMPREHENSIVE ZONING AND LAND DEVELOPMENT CODE SECTION 127.06. REFERENCE SHEET C502 FOR DETAIL.

KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGNED BY NATHAN O. LEE, P.E. No. 69843 — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER

SCALE	
DESIGNED BY	RPC
DRAWN BY	BFN
CHECKED BY	ACC

SITE PLAN - 02

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021

PROJECT NO. 145062001

SHEET NUMBER C202

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Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD Work\PlanSheets\C201 – SITE PLAN.dwg C202 – SITE PLAN - 02 Nov 02, 2021 3:40pm by: haley.skinner
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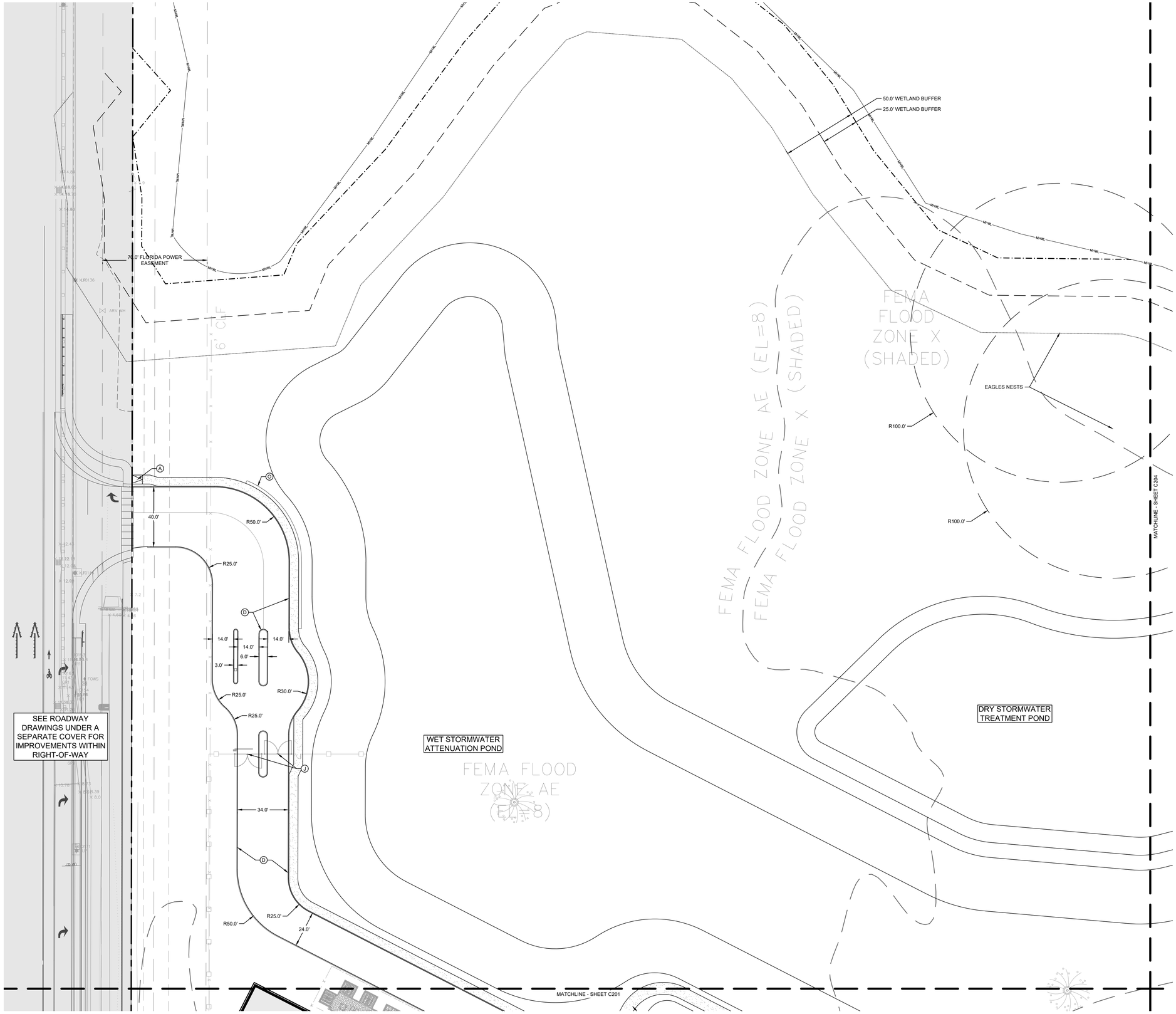
Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD\Work\PlanSheets\C201 - SITE PLAN.dwg C203 - SITE PLAN - 03 Nov 02, 2021 3:40pm by: haley.skinner



NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

PROPERTY BOUNDARY
EASEMENT LINE
PROPOSED BUILDING
PROPOSED RETAINING WALL
PROPOSED CONCRETE SIDEWALK
PROPOSED AIR CONDITIONER PAD
PROPOSED RIP RAP

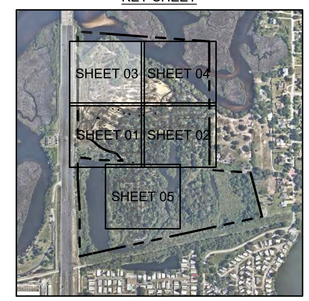
SITE LEGEND

(A) ADA CURB RAMP PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 522-002. TYPE PER PLANS.
(B) PROPOSED ADA PARKING SPACE AND SIGN PER FDOT STANDARD INDEX 711-001. ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.
(C) PROPOSED 4" THICK CONCRETE SIDEWALK. SEE DETAIL SHEET C600. SIDEWALK TO BE CONSTRUCTED LESS THAN 5% RUNNING SLOPE AND LESS THAN 2% CROSS SLOPE.
(D) TYPE "D" CONCRETE CURB TYPICAL PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.
(E) TYPE "F" CONCRETE CURB AND GUTTER PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.
(F) 24" SOLID WHITE STOP BAR (THERMOPLASTIC). 36" STOP SIGN (R1-1). ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.
(G) 4" WIDE WHITE SOLID LINE FOR PARKING STALL STRIPING.
(H) PROPOSED RETAINING WALL WITH FENCE. SEE LANDSCAPE DETAIL.
(I) APPROXIMATE LOCATION OF PROPOSED MONUMENT SIGN
(J) GATE ACCESS FOR ENTRANCE TO PARKING LOTS. SEE FENCING PLAN.
(K) CONCRETE FLUME. SEE DETAIL SHEET C600.
(L) PROPOSED PEDESTRIAN BRIDGE. DESIGNED BY OTHERS.
(M) GATE ACCESS FOR ENTRANCE TO PRIVATE DOCKS. SEE FENCING PLAN.
(N) APPROXIMATE LOCATION OF ELECTRIC VEHICLE CHARGING STATION. SEE MEP PLANS.
(O) PROPOSED RETAINING WALL WITH HANDRAIL PER FDOT STANDARD INDEXES 400-001 AND 515-070 RESPECTIVELY.

SIGNAGE NOTE:

ALL ON-SITE SIGNAGE SHALL COMPLY WITH THE MUTCD AND CITY OF TARPON SPRINGS COMPREHENSIVE ZONING AND LAND DEVELOPMENT CODE SECTION 127.06. REFERENCE SHEET C502 FOR DETAIL.

KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGNED BY NATHAN O. LEE, P.E. No. 69843 — STATE OF FLORIDA REGISTRATION NUMBER — PROFESSIONAL ENGINEER

SCALE	
DESIGNED BY	RPC
DRAWN BY	BFN
CHECKED BY	ACC

SITE PLAN - 03

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C203

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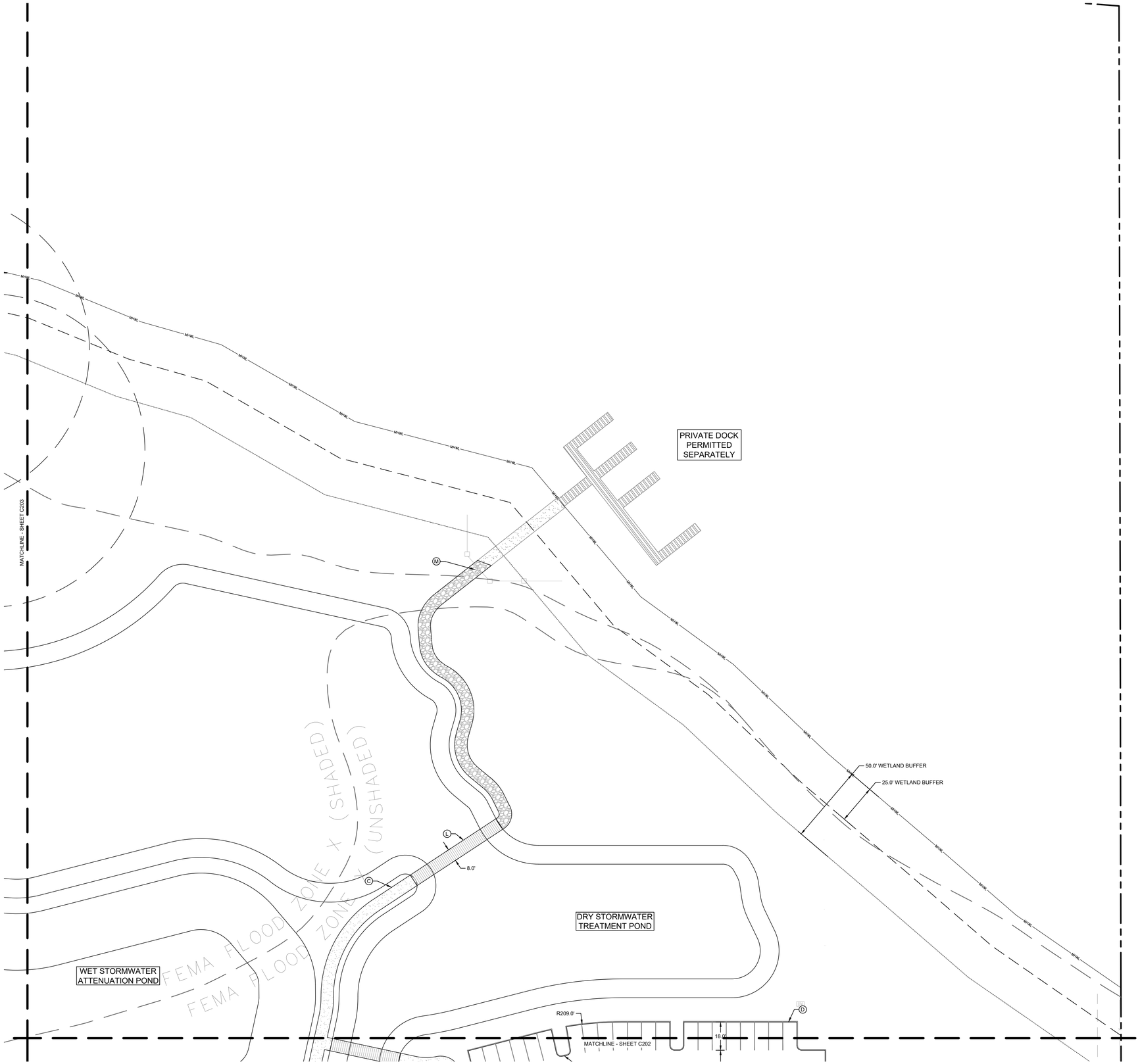
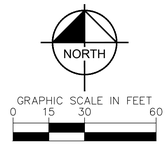




LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED AIR CONDITIONER PAD
- PROPOSED RIP RAP

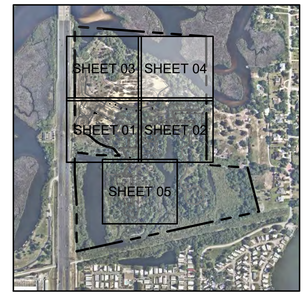
SITE LEGEND

- (A) ADA CURB RAMP PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 522-002. TYPE PER PLANS.
- (B) PROPOSED ADA PARKING SPACE AND SIGN PER FDOT STANDARD INDEX 711-001. ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.
- (C) PROPOSED 4" THICK CONCRETE SIDEWALK. SEE DETAIL SHEET C600. SIDEWALK TO BE CONSTRUCTED LESS THAN 5% RUNNING SLOPE AND LESS THAN 2% CROSS SLOPE.
- (D) TYPE "D" CONCRETE CURB TYPICAL PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.
- (E) TYPE "F" CONCRETE CURB AND GUTTER PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.
- (F) 24" SOLID WHITE STOP BAR (THERMOPLASTIC). 36" STOP SIGN (R1-1). ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.
- (G) 4" WIDE WHITE SOLID LINE FOR PARKING STALL STRIPING.
- (H) PROPOSED RETAINING WALL WITH FENCE. SEE LANDSCAPE DETAIL.
- (I) APPROXIMATE LOCATION OF PROPOSED MONUMENT SIGN
- (J) GATE ACCESS FOR ENTRANCE TO PARKING LOTS. SEE FENCING PLAN.
- (K) CONCRETE FLUME. SEE DETAIL SHEET C600.
- (L) PROPOSED PEDESTRIAN BRIDGE. DESIGNED BY OTHERS.
- (M) GATE ACCESS FOR ENTRANCE TO PRIVATE DOCKS. SEE FENCING PLAN.
- (N) APPROXIMATE LOCATION OF ELECTRIC VEHICLE CHARGING STATION. SEE MEP PLANS.
- (O) PROPOSED RETAINING WALL WITH HANDRAIL PER FDOT STANDARD INDEXES 400-001 AND 515-070 RESPECTIVELY.

SIGNAGE NOTE:

ALL ON-SITE SIGNAGE SHALL COMPLY WITH THE MUTCD AND CITY OF TARPON SPRINGS COMPREHENSIVE ZONING AND LAND DEVELOPMENT CODE SECTION 127.06. REFERENCE SHEET C502 FOR DETAIL.

KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGN ENGINEER: NATHAN Q. LEE, P.E. No. 69843 FLORIDA REGISTRATION NUMBER STATE OF FLORIDA PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

SITE PLAN - 04

MORGAN ANCLOTE HARBOR

TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C204

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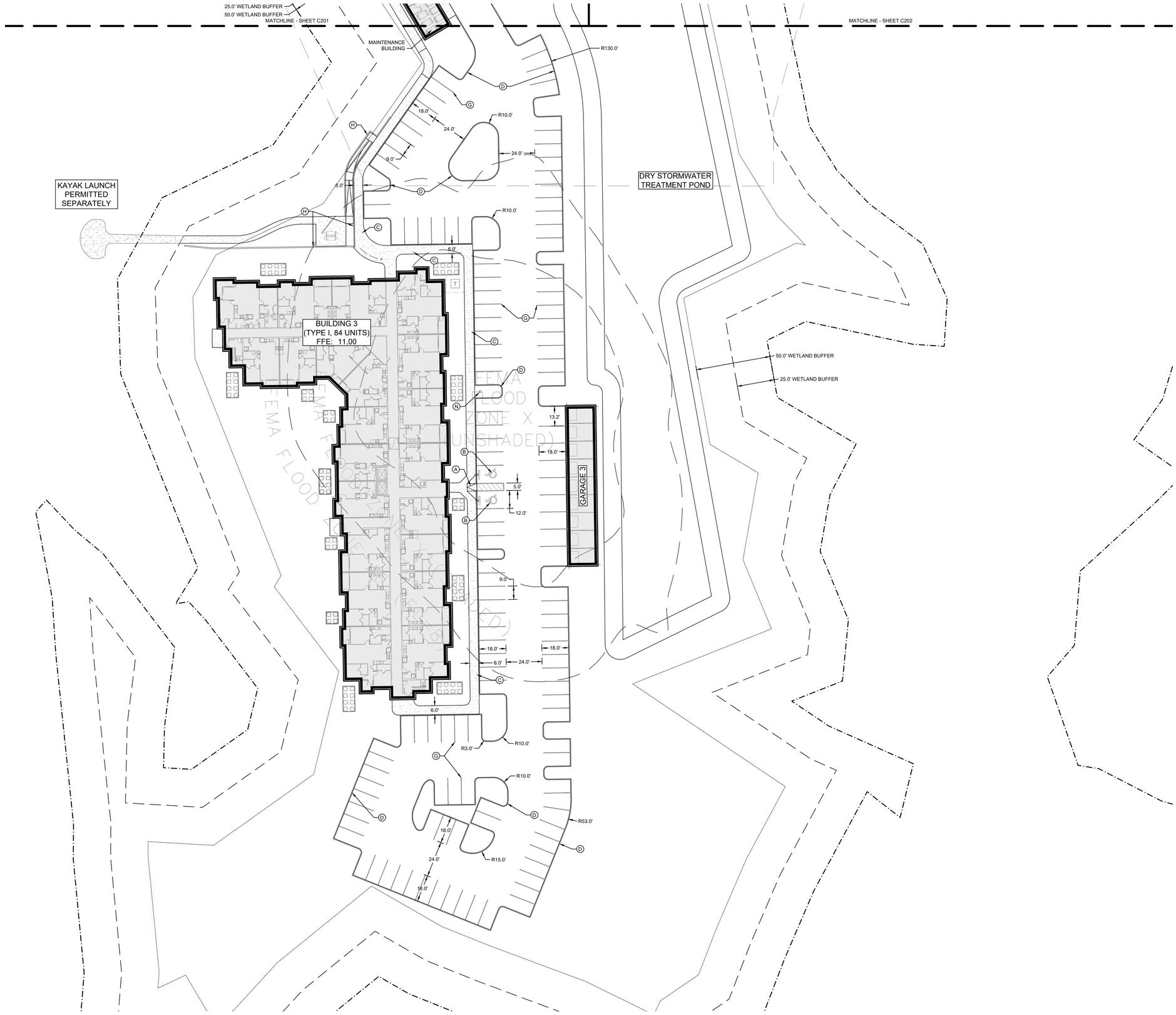

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

- PROPERTY BOUNDARY
- EASEMENT LINE
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED AIR CONDITIONER PAD
- PROPOSED RIP RAP

SITE LEGEND

- (A) ADA CURB RAMP PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 522-002. TYPE PER PLANS.
- (B) PROPOSED ADA PARKING SPACE AND SIGN PER FDOT STANDARD INDEX 711-001. ALL SIGN POSTS SHALL BE DECORATIVE 3x3 POWDER COATED ALUMINUM POSTS WITH CAPS AND SIGNS WITH OVERSIZED PLATE FRAMES.
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- (D) TYPE "D" CONCRETE CURB TYPICAL PER FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION 520-001.
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- (G) 4" WIDE WHITE SOLID LINE FOR PARKING STALL STRIPING.
- (H) PROPOSED RETAINING WALL WITH FENCE. SEE LANDSCAPE DETAIL.
- (I) APPROXIMATE LOCATION OF PROPOSED MONUMENT SIGN
- (J) GATE ACCESS FOR ENTRANCE TO PARKING LOTS. SEE FENCING PLAN.
- (K) CONCRETE FLUME. SEE DETAIL SHEET C600.
- (L) PROPOSED PEDESTRIAN BRIDGE. DESIGNED BY OTHERS.
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- (O) PROPOSED RETAINING WALL WITH HANDRAIL PER FDOT STANDARD INDEXES 400-001 AND 515-070 RESPECTIVELY.

SIGNAGE NOTE:

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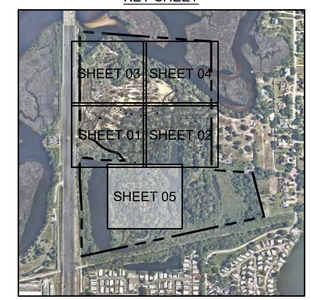
KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGNED BY NATHAN Q. LEE, P.E. No. 69843 — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER

SCALE		
DESIGNED BY	RPC	
DRAWN BY	BFN	
CHECKED BY	ACC	

SITE PLAN - 05

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021

PROJECT NO. 145062001

SHEET NUMBER C205

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No.	REVISIONS	DATE	BY
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2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGN ENGINEER
NATHAN Q. LEE, P.E.
No. 69843
REGISTRATION NUMBER
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE	
DESIGNED BY	RPC
DRAWN BY	BFN
CHECKED BY	ACC

WETLAND IMPACT PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021

PROJECT NO.
145062001

SHEET NUMBER
C210

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Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD\Work\PlanSheets\C210 – WETLAND AND OTHER SURFACE WATER IMPACT PLAN.dwg C210 – WETLAND IMPACT PLAN Nov 02, 2021 3:41pm by: hayley.skinner
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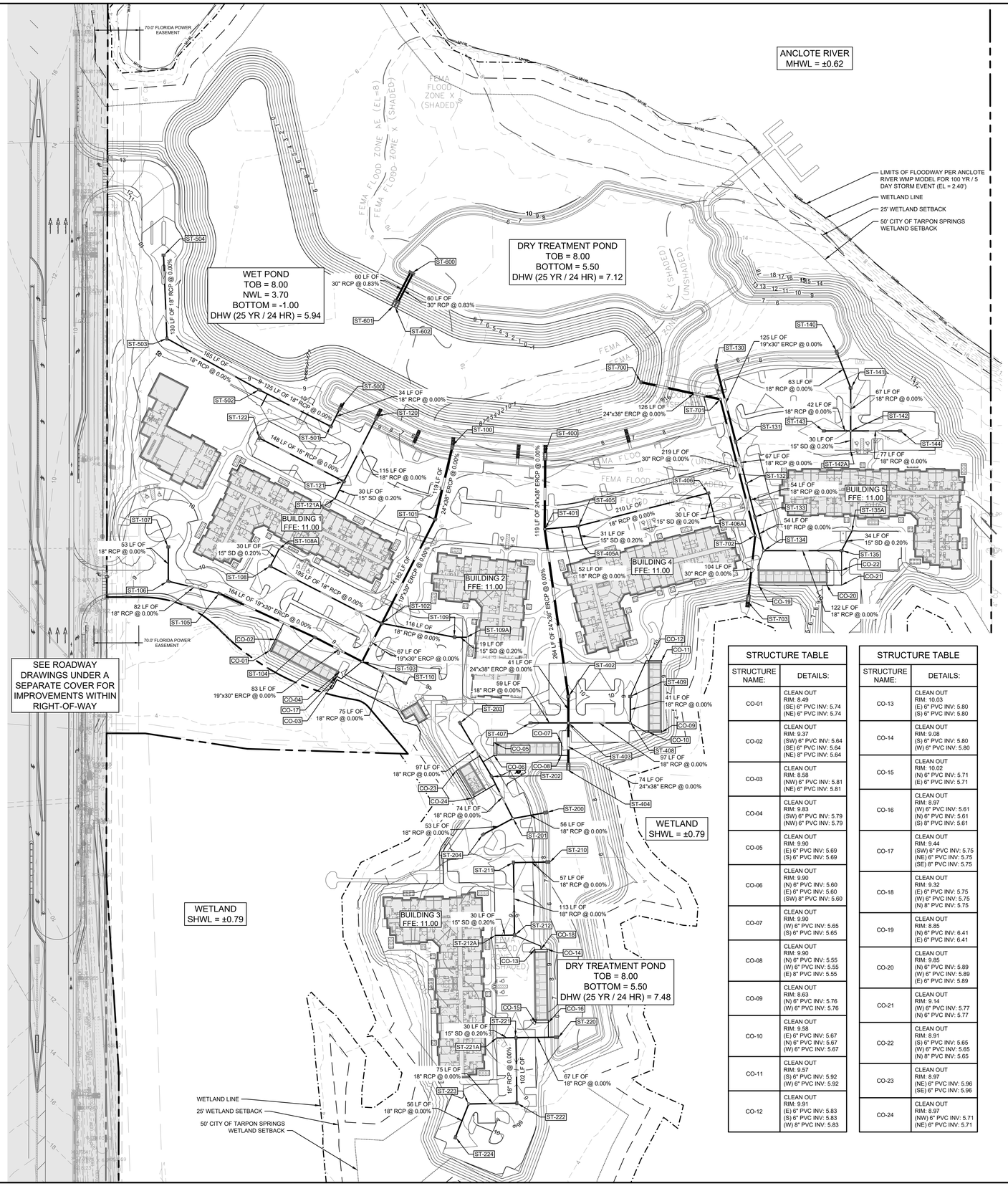

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
ST-100	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (S) 24"x38" ERCP INV: 5.15
ST-101	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (SW) 19"x30" ERCP INV: 5.50 (N) 24"x38" ERCP INV: 5.15
ST-102	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (SW) 19"x30" ERCP INV: 5.50 (NW) 18" RCP INV: 5.50 (E) 18" RCP INV: 5.50 (NE) 19"x30" ERCP INV: 5.50
ST-103	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.27 (NW) 19"x30" ERCP INV: 5.50 (SE) 18" RCP INV: 5.50 (SW) 8" PVC INV: 5.50 (NE) 19"x30" ERCP INV: 5.50
ST-104	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (NW) 19"x30" ERCP INV: 5.50 (SE) 19"x30" ERCP INV: 5.50
ST-105	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (W) 18" RCP INV: 5.50 (SE) 19"x30" ERCP INV: 5.50
ST-106	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (N) 18" RCP INV: 5.50 (E) 18" RCP INV: 5.50
ST-107	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (S) 18" RCP INV: 5.50
ST-108	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (NE) 15" SD INV: 5.50 (SE) 18" RCP INV: 5.50
ST-109	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (E) 15" SD INV: 5.50 (W) 18" RCP INV: 5.50
ST-110	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (NW) 18" RCP INV: 5.50
ST-120	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (SW) 18" RCP INV: 5.50
ST-121	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.87 (NW) 18" RCP INV: 5.50 (SW) 15" SD INV: 5.50 (NE) 18" RCP INV: 5.50
ST-122	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.89 (SE) 18" RCP INV: 5.50
ST-130	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (S) 19"x30" ERCP INV: 5.50
ST-131	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (S) 18" RCP INV: 5.50 (N) 19"x30" ERCP INV: 5.50
ST-132	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.21 (S) 18" RCP INV: 5.50 (N) 18" RCP INV: 5.50
ST-133	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (S) 18" RCP INV: 5.50 (N) 18" RCP INV: 5.50
ST-134	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.19 (E) 18" RCP INV: 5.50 (S) 6" PVC INV: 5.50 (N) 18" RCP INV: 5.50
ST-135	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (S) 8" PVC INV: 5.50 (NE) 15" SD INV: 5.50 (W) 18" RCP INV: 5.50

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
CO-01	CLEAN OUT RIM: 8.49 (SE) 6" PVC INV: 5.74 (NE) 6" PVC INV: 5.74
CO-02	CLEAN OUT RIM: 9.37 (SW) 6" PVC INV: 5.64 (SE) 6" PVC INV: 5.64 (NE) 8" PVC INV: 5.64
CO-03	CLEAN OUT RIM: 8.58 (NW) 6" PVC INV: 5.81 (NE) 6" PVC INV: 5.81
CO-04	CLEAN OUT RIM: 9.83 (SW) 6" PVC INV: 5.79 (NW) 6" PVC INV: 5.79
CO-05	CLEAN OUT RIM: 9.90 (E) 6" PVC INV: 5.69 (S) 6" PVC INV: 5.69
CO-06	CLEAN OUT RIM: 9.90 (N) 6" PVC INV: 5.60 (E) 6" PVC INV: 5.60 (SW) 8" PVC INV: 5.60
CO-07	CLEAN OUT RIM: 9.90 (W) 6" PVC INV: 5.65 (S) 6" PVC INV: 5.65
CO-08	CLEAN OUT RIM: 9.90 (N) 6" PVC INV: 5.55 (W) 6" PVC INV: 5.55 (E) 8" PVC INV: 5.55
CO-09	CLEAN OUT RIM: 8.63 (N) 6" PVC INV: 5.76 (W) 6" PVC INV: 5.76
CO-10	CLEAN OUT RIM: 9.58 (E) 6" PVC INV: 5.67 (N) 6" PVC INV: 5.67 (W) 6" PVC INV: 5.67
CO-11	CLEAN OUT RIM: 9.57 (S) 6" PVC INV: 5.92 (W) 6" PVC INV: 5.92
CO-12	CLEAN OUT RIM: 9.91 (E) 6" PVC INV: 5.83 (S) 6" PVC INV: 5.83 (W) 8" PVC INV: 5.83

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
CO-13	CLEAN OUT RIM: 10.03 (E) 6" PVC INV: 5.80 (S) 6" PVC INV: 5.80
CO-14	CLEAN OUT RIM: 9.08 (S) 6" PVC INV: 5.80 (W) 6" PVC INV: 5.80
CO-15	CLEAN OUT RIM: 10.02 (N) 6" PVC INV: 5.71 (E) 6" PVC INV: 5.71
CO-16	CLEAN OUT RIM: 8.97 (W) 6" PVC INV: 5.61 (N) 6" PVC INV: 5.61 (S) 8" PVC INV: 5.61
CO-17	CLEAN OUT RIM: 9.44 (SW) 6" PVC INV: 5.75 (NE) 6" PVC INV: 5.75 (SE) 8" PVC INV: 5.75
CO-18	CLEAN OUT RIM: 9.32 (E) 6" PVC INV: 5.75 (W) 6" PVC INV: 5.75 (N) 8" PVC INV: 5.75
CO-19	CLEAN OUT RIM: 8.85 (N) 6" PVC INV: 6.41 (E) 6" PVC INV: 6.41
CO-20	CLEAN OUT RIM: 9.85 (N) 6" PVC INV: 5.89 (W) 6" PVC INV: 5.89 (E) 6" PVC INV: 5.89
CO-21	CLEAN OUT RIM: 9.14 (W) 6" PVC INV: 5.77 (N) 6" PVC INV: 5.77
CO-22	CLEAN OUT RIM: 8.91 (S) 6" PVC INV: 5.65 (W) 6" PVC INV: 5.65 (N) 8" PVC INV: 5.65
CO-23	CLEAN OUT RIM: 8.97 (NE) 6" PVC INV: 5.96 (SE) 6" PVC INV: 5.96
CO-24	CLEAN OUT RIM: 8.97 (NW) 6" PVC INV: 5.71 (NE) 6" PVC INV: 5.71

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
ST-108A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (SW) 15" SD INV: 5.56
ST-109A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (W) 15" SD INV: 5.54
ST-121A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (NE) 15" SD INV: 5.56
ST-135A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (SW) 15" SD INV: 5.57
ST-142A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (N) 15" SD INV: 5.56
ST-212A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (E) 15" SD INV: 5.56
ST-221A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (E) 15" SD INV: 5.56
ST-405A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (N) 15" SD INV: 5.56
ST-406A	CONNECT TO ROOF DRAIN SYSTEM (REF. ARCHITECT PLANS) (N) 15" SD INV: 5.56

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
ST-140	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (S) 18" RCP INV: 5.50
ST-141	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (N) 18" RCP INV: 5.50 (S) 18" RCP INV: 5.50
ST-142	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.04 (E) 18" RCP INV: 5.50 (N) 18" RCP INV: 5.50 (S) 15" SD INV: 5.50 (W) 18" RCP INV: 5.50
ST-143	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (E) 18" RCP INV: 5.50
ST-144	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (W) 18" RCP INV: 5.50

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
ST-200	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (W) 18" RCP INV: 5.50
ST-201	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.37 (SW) 18" RCP INV: 5.50 (NW) 18" RCP INV: 5.50 (E) 18" RCP INV: 5.50
ST-202	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (NW) 18" RCP INV: 5.50 (SE) 18" RCP INV: 5.50
ST-203	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (SE) 18" RCP INV: 5.50
ST-204	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (NE) 18" RCP INV: 5.50
ST-210	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (W) 18" RCP INV: 5.50
ST-211	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (S) 18" RCP INV: 5.50 (E) 18" RCP INV: 5.50
ST-212	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (SE) 8" PVC INV: 5.50 (W) 15" SD INV: 5.50 (N) 18" RCP INV: 5.50
ST-220	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (W) 18" RCP INV: 5.50
ST-221	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (W) 15" SD INV: 5.50 (S) 18" RCP INV: 5.50 (E) 18" RCP INV: 5.50
ST-222	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (W) 18" RCP INV: 5.50 (N) 18" RCP INV: 5.50
ST-223	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.35 (S) 18" RCP INV: 5.50 (E) 18" RCP INV: 5.50
ST-224	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (N) 18" RCP INV: 5.50

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
ST-600	FDOT TYPE "H-4" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-052 RIM: 6.24 (SW) 30" RCP INV: -0.50 (SW) 30" RCP INV: -0.50
ST-601	MITERED END SECTION STANDARD PLANS 430-021 RIM: 1.88 (NE) 30" RCP INV: -1.00
ST-602	MITERED END SECTION STANDARD PLANS 430-021 RIM: 1.88 (NE) 30" RCP INV: -1.00

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
ST-700	CONTROL STRUCTURE SEE DETAIL SHEET C310 RIM: 6.50 (E) 24"x38" ERCP INV: 2.50
ST-701	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.35 (W) 24"x38" ERCP INV: 2.50 (S) 30" RCP INV: 2.50
ST-702	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 8.98 (N) 30" RCP INV: 2.50 (S) 30" RCP INV: 2.50
ST-703	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (N) 30" RCP INV: 2.50

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
ST-400	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (S) 24"x38" ERCP INV: 5.15
ST-401	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 8.99 (S) 24"x38" ERCP INV: 5.15 (E) 18" RCP INV: 5.50 (N) 24"x38" ERCP INV: 5.15
ST-402	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.75 (S) 24"x38" ERCP INV: 5.15 (N) 24"x38" ERCP INV: 5.15
ST-403	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.98 (S) 24"x38" ERCP INV: 5.15 (W) 18" RCP INV: 5.50 (E) 18" RCP INV: 5.50 (N) 24"x38" ERCP INV: 5.15
ST-404	MITERED END SECTION PER FDOT STANDARD PLANS 430-021 (N) 24"x38" ERCP INV: 5.15
ST-405	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (S) 15" SD INV: 5.50 (E) 18" RCP INV: 5.50 (W) 18" RCP INV: 5.50
ST-406	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (W) 18" RCP INV: 5.50 (S) 15" SD INV: 5.50
ST-407	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.70 (E) 18" RCP INV: 5.50
ST-408	FDOT STORM MANHOLE PER FDOT STANDARD PLANS 425-001 RIM: 9.01 (N) 18" RCP INV: 5.50 (SE) 6" PVC INV: 5.50 (W) 18" RCP INV: 5.50
ST-409	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (NE) 8" PVC INV: 5.50 (S) 18" RCP INV: 5.50

STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
ST-500	MITERED END SECTION STANDARD PLANS 430-021 RIM: 7.29 (SW) 18" RCP INV: 5.50
ST-501	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (NW) 18" RCP INV: 5.50 (NE) 18" RCP INV: 5.50
ST-502	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (NW) 18" RCP INV: 5.50 (SE) 18" RCP INV: 5.50
ST-503	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (N) 18" RCP INV: 5.50 (SE) 18" RCP INV: 5.50
ST-504	FDOT TYPE "F" DITCH BOTTOM INLET PER FDOT STANDARD PLANS 425-053 RIM: 8.60 (S) 18" RCP INV: 5.50

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

Kimley»Horn
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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC
SCALE

NATHAN O. LEE, P.E. No. 69843 STATE OF FLORIDA PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE OF AUTHORIZATION NUMBER

OVERALL DRAINAGE PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C300

This item has been digitally signed and sealed by Nathan O. Lee, P.E. on the date adjacent to the seal using a Digital Signature.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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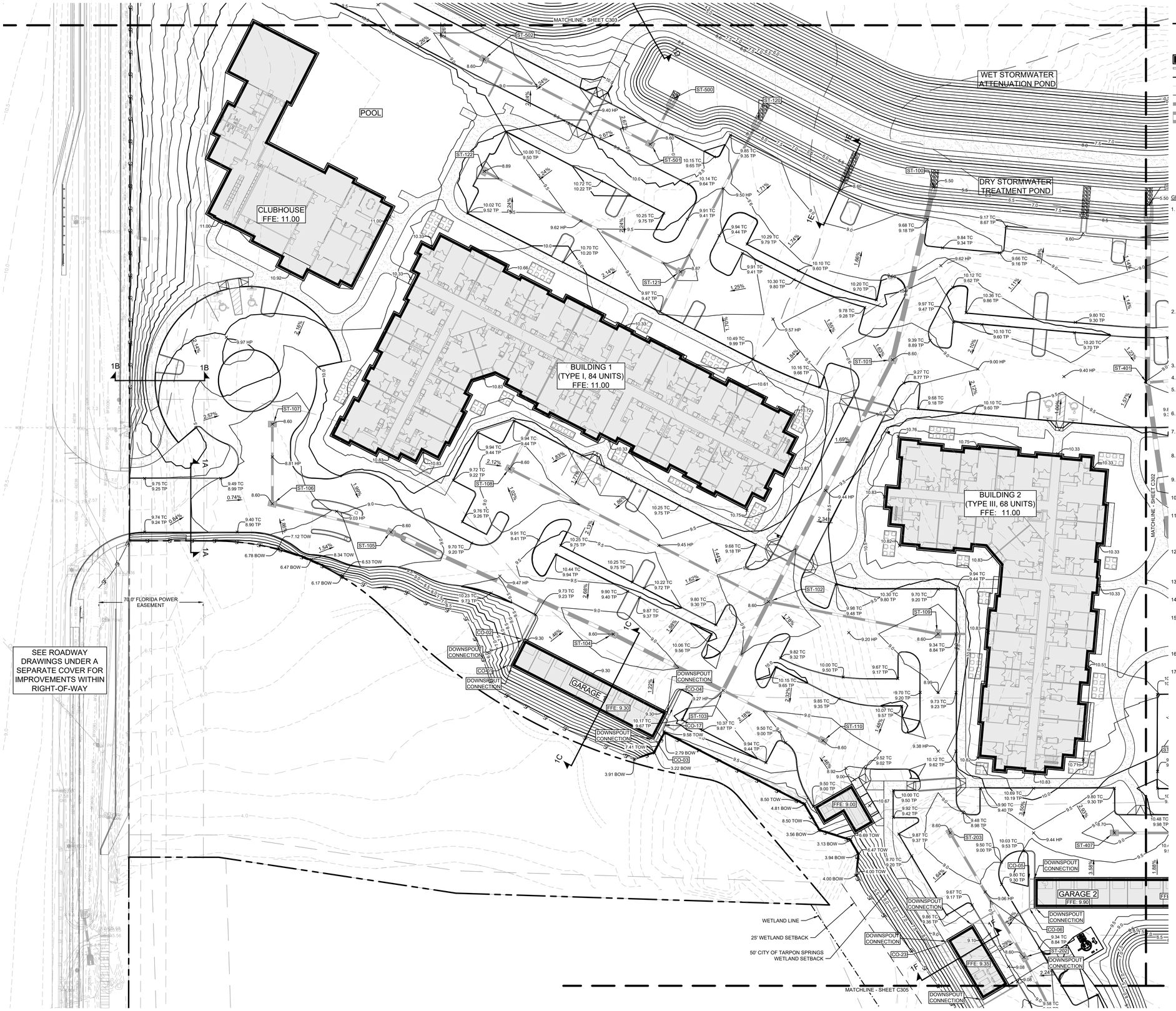
Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD\Work\PlanSheets\C300 - OVERALL DRAINAGE PLAN.dwg C300 - OVERALL DRAINAGE PLAN Nov 02, 2021 3:41pm by: haley.skinner



LEGEND

- PROPERTY BOUNDARY
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED SILT FENCE
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURES
- PROPOSED SPOT GRADE
- BOW — BOTTOM OF WALL
- HP — HIGH POINT
- ME — MATCH EXISTING
- TC — TOP OF CURB
- TOW — TOP OF WALL
- TP — TOP OF PAVEMENT

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

GRADING NOTES

1. ALL EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME THE DRAWINGS WERE PREPARED AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. THE LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
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3. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
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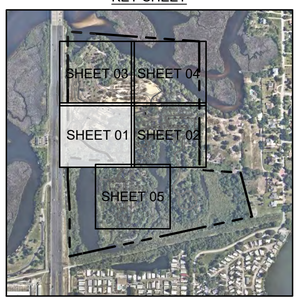
5. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
6. ALL STORM PIPE ENTERING OR EXITING THE STRUCTURE SHALL BE GROUTED IN PLACE TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
7. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM".
8. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
9. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
10. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL PERVIOUS AND IMPERVIOUS AREAS.
11. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A FLORIDA REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
12. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 4H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
13. DEVELOPMENT SHALL COMPLY WITH CITY OF TARPON SPRINGS STORMWATER TECHNICAL STANDARDS.
14. IF DEWATERING PLAN IS REQUIRED DURING CONSTRUCTION, AS DETERMINED BY THE GENERAL CONTRACTOR, A DEWATERING PLAN WILL BE PROVIDED TO THE DISTRICT.
15. ELEVATIONS SHOWN HEREON ARE IN FEET AND ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1968 (NAVD 88). CONTROL MONUMENT UTILIZED IS DESIGNATED AS "A 759" (PID = D05319), HAVING A PUBLISHED ELEVATION OF 7.76 FEET, AS PUBLISHED BY THE NATIONAL GEODETIC SURVEY. SEE DRAWING FOR ON—SITE TEMPORARY BENCHMARKS (TBM'S).
16. CONTRACTOR TO COORDINATE OFFSITE GRADING ACTIVITIES WITH PROPERTY OWNER PER GRADING EASEMENT AGREEMENT.
17. EARTHEN FILL USED TO RAISE THE GROUND ABOVE THE FLOOD ELEVATION MUST BE PLACED PROPERLY SO THAT IT DOES NOT ERODE OR SLUMP WHEN WATER RISES. FOR SAFETY AND TO MEET REQUIREMENTS, FILL SHOULD:
    - NOT BE PLACED IN AREAS WITH POOR DRAINAGE OR WHERE THE FILL MAY DIVERT WATER ONTO ADJACENT PROPERTIES. INSTEAD, USE PERIMETER WALLS, PIERS OR PILINGS TO MINIMIZE DRAINAGE PROBLEMS.
    - BE GOOD CLEAN SOIL, FREE OF LARGE ROCKS, CONSTRUCTION DEBRIS, AND WOODY MATERIAL (STUMPS, ROOTS)
    - BE MACHINE-COMPACTED TO 95 PERCENT OF THE MAXIMUM DENSITY (DETERMINED BY A DESIGN PROFESSIONAL)
    - HAVE GRADED SIDE SLOPES THAT ARE NOT STEEPER THAN 4:1 (ONE FOOT VERTICAL RISE FOR EVERY 4 FEET HORIZONTAL EXTENT); FLATTER SLOPES ARE RECOMMENDED.
    - HAVE SLOPES PROTECTED AGAINST EROSION (VEGETATION FOR "LOW" VELOCITIES, DURABLE MATERIALS FOR "HIGH" VELOCITIES - DETERMINED BY A DESIGN PROFESSIONAL)

KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

Kimley»Horn

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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

DESIGNED BY NATHAN G. LEE, P.E. No. 69843 — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER

SCALE		
DESIGNED BY	RPC	
DRAWN BY	BFN	
CHECKED BY	ACC	

GRADING PLAN - 01

MORGAN
ANCHOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C301

This item has been digitally signed and sealed by Nathan G. Lee, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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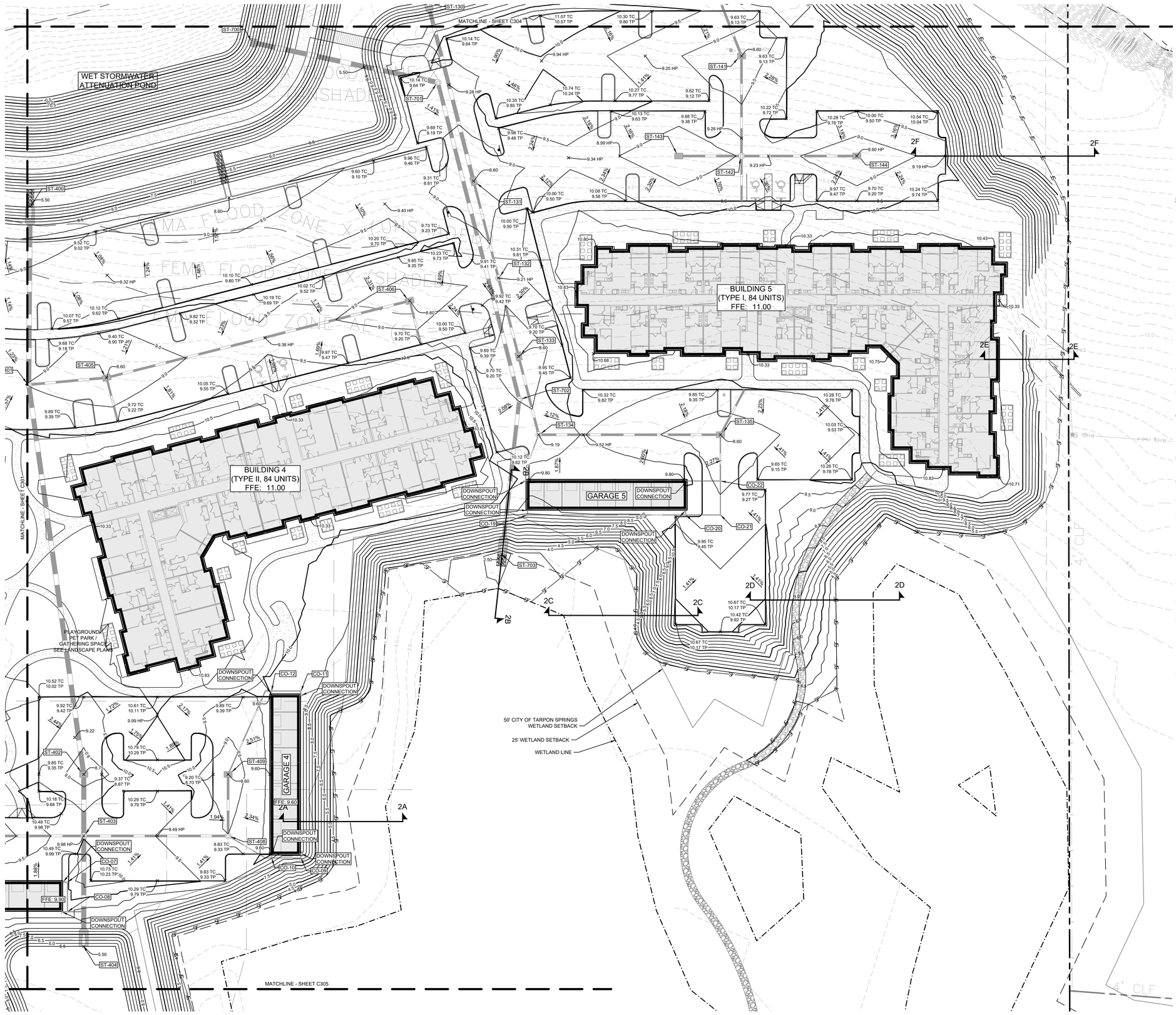
Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anchote Harbor\CADD\Work\PlanSheets\C301 - GRADING PLAN.dwg C301 - GRADING PLAN — 01 Nov 02, 2021 3:43pm by: haley.skinner



LEGEND

- PROPERTY BOUNDARY
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- 10 PROPOSED CONTOUR
- 10 EXISTING CONTOUR
- SF SF PROPOSED SILT FENCE
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURES
- 5.00 PROPOSED SPOT GRADE

BOW	BOTTOM OF WALL
HP	HIGH POINT
ME	MATCH EXISTING
TC	TOP OF CURB
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GRAPHIC SCALE IN FEET
0 15 30 60

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7. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM".
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12. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 4H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
13. DEVELOPMENT SHALL COMPLY WITH CITY OF TARPON SPRINGS STORMWATER TECHNICAL STANDARDS.
14. IF DEWATERING PLAN IS REQUIRED DURING CONSTRUCTION, AS DETERMINED BY THE GENERAL CONTRACTOR, A DEWATERING PLAN WILL BE PROVIDED TO THE DISTRICT.
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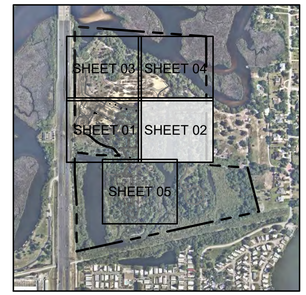
KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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REGISTRY No. 696

DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

NATHAN Q. LEE, P.E. No. 69843 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

GRADING PLAN - 02

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C302

This item has been digitally signed and sealed by Nathan Q. Lee, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Drawing name: K:\TAM_Civil\145062 — Morgan\001 — Anclote Harbor\CADD\Work\PlanSheets\C301 — GRADING PLAN.dwg C302 — GRADING PLAN — 02 Nov 02, 2021 3:44pm by: haley.skinner
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Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD\Work\PlanSheets\C-301 – GRADING PLAN_dwg C303 – GRADING PLAN – 03 Nov 02, 2021 3:44pm by: haley.skinner

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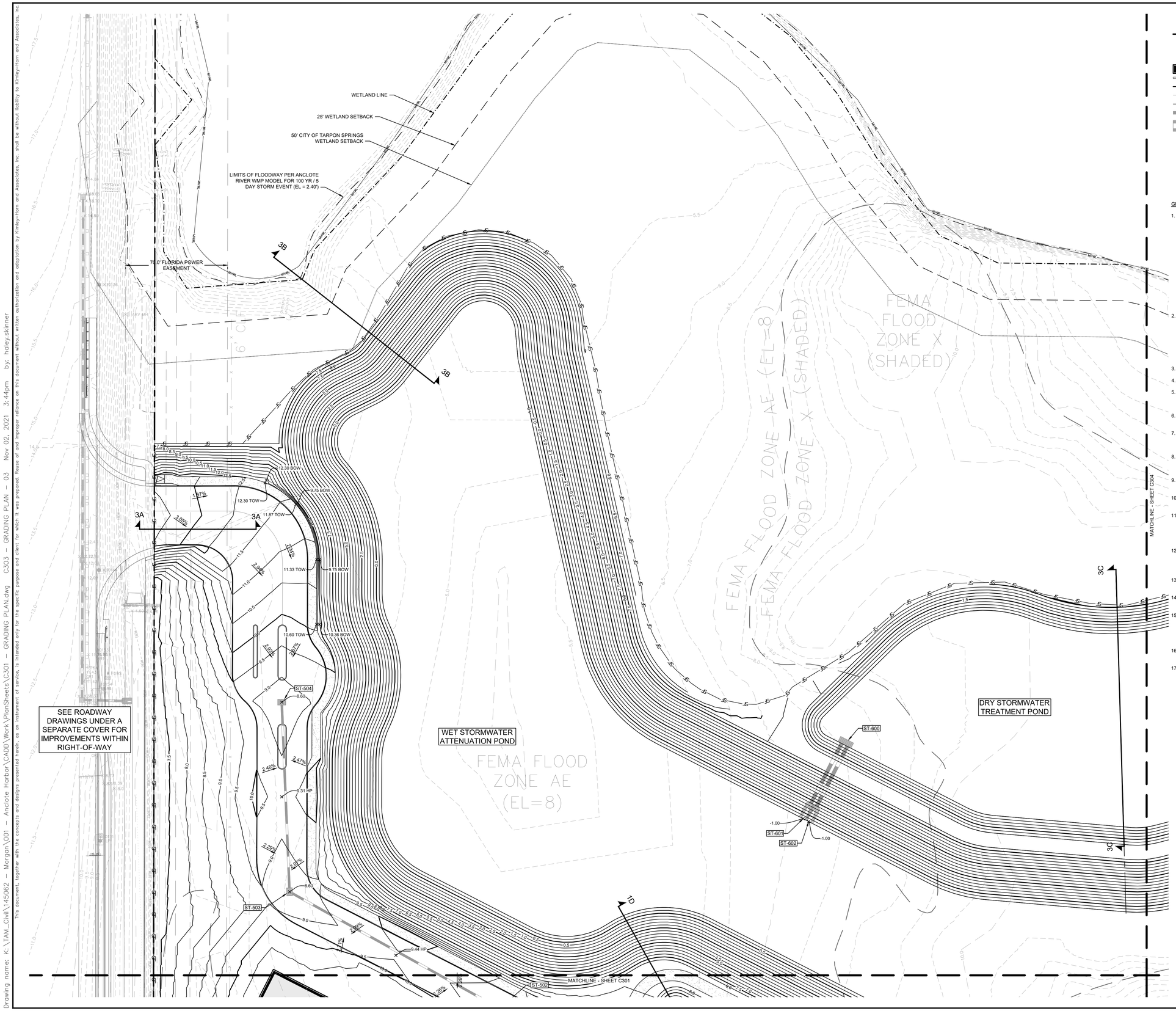

LEGEND

- PROPERTY BOUNDARY
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- 10 PROPOSED CONTOUR
- 10 EXISTING CONTOUR
- SF SF PROPOSED SILT FENCE
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURES
- 5.00 PROPOSED SPOT GRADE

BOW	BOTTOM OF WALL
HP	HIGH POINT
ME	MATCH EXISTING
TC	TOP OF CURB
TOW	TOP OF WALL
TP	TOP OF PAVEMENT

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

GRADING NOTES

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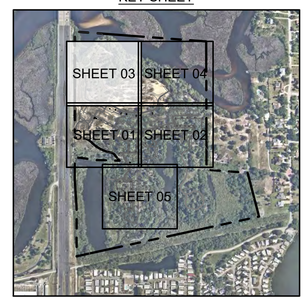
KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

DESIGNED BY NATHAN Q. LEE, P.E. No. 69843 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
	RPC	BFN	ACC

GRADING PLAN - 03

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C303

This item has been digitally signed and sealed by Nathan Q. Lee, P.E. on the date indicated here using a Digital Signature.
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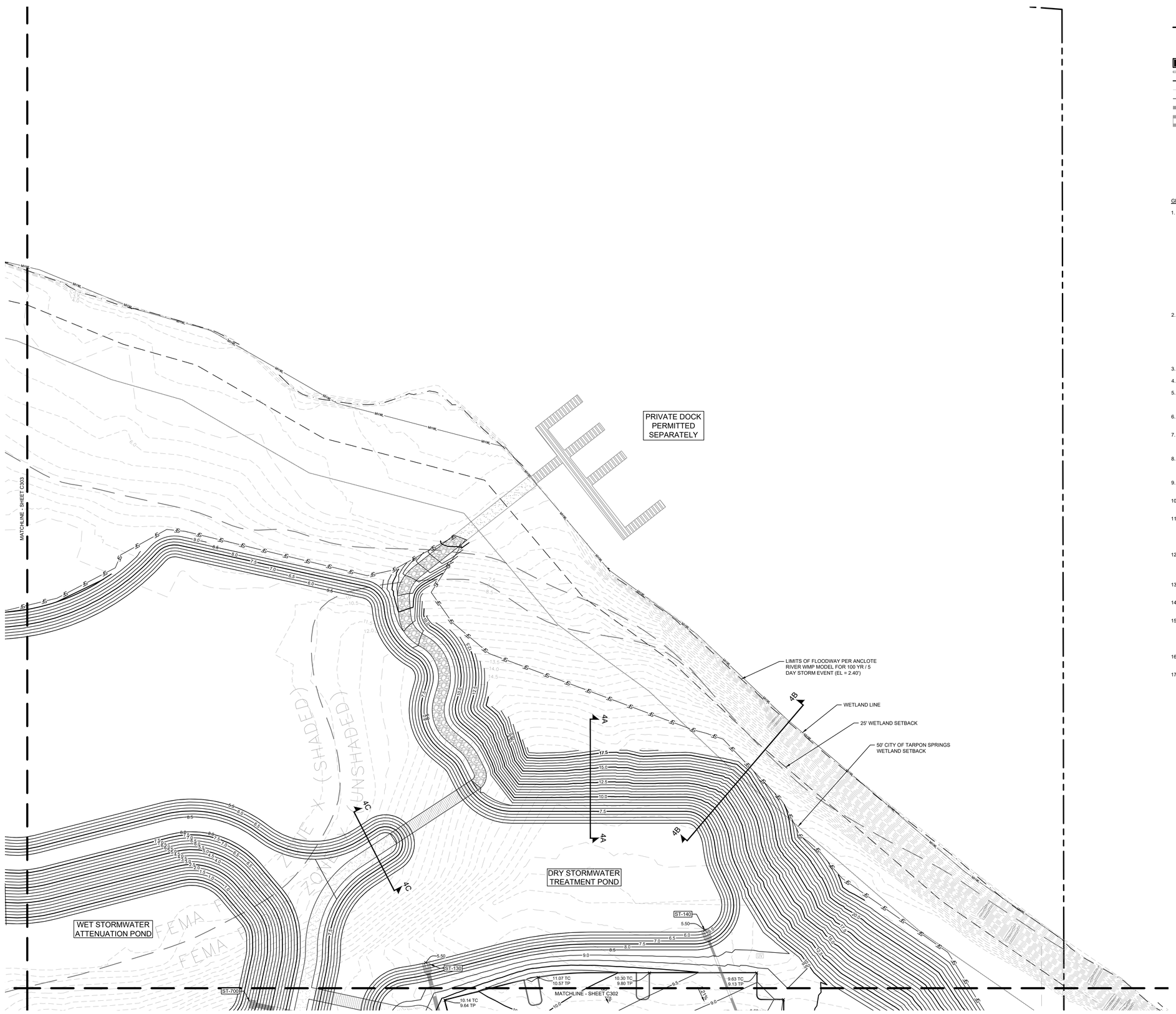

LEGEND

- PROPERTY BOUNDARY
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED CONTOUR
- EXISTING CONTOUR
- PROPOSED SILT FENCE
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURES
- PROPOSED SPOT GRADE

BOW	BOTTOM OF WALL
HP	HIGH POINT
ME	MATCH EXISTING
TC	TOP OF CURB
TOW	TOP OF WALL
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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

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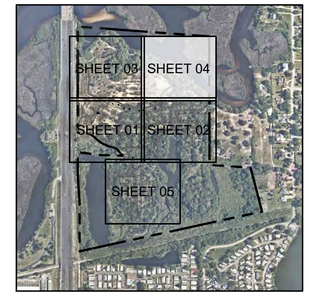

SCALE: 1" = 750'

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Kimley»Horn

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NATHAN C. LEE, P.E. No. 69843 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC
SCALE

GRADING PLAN - 04

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C304

This item has been digitally signed and sealed by Nathan D. Lee, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD Work\PlanSheets\C301 - GRADING PLAN.dwg C304 - GRADING PLAN - 04 Nov 02, 2021 3:45pm by: haley.skinner
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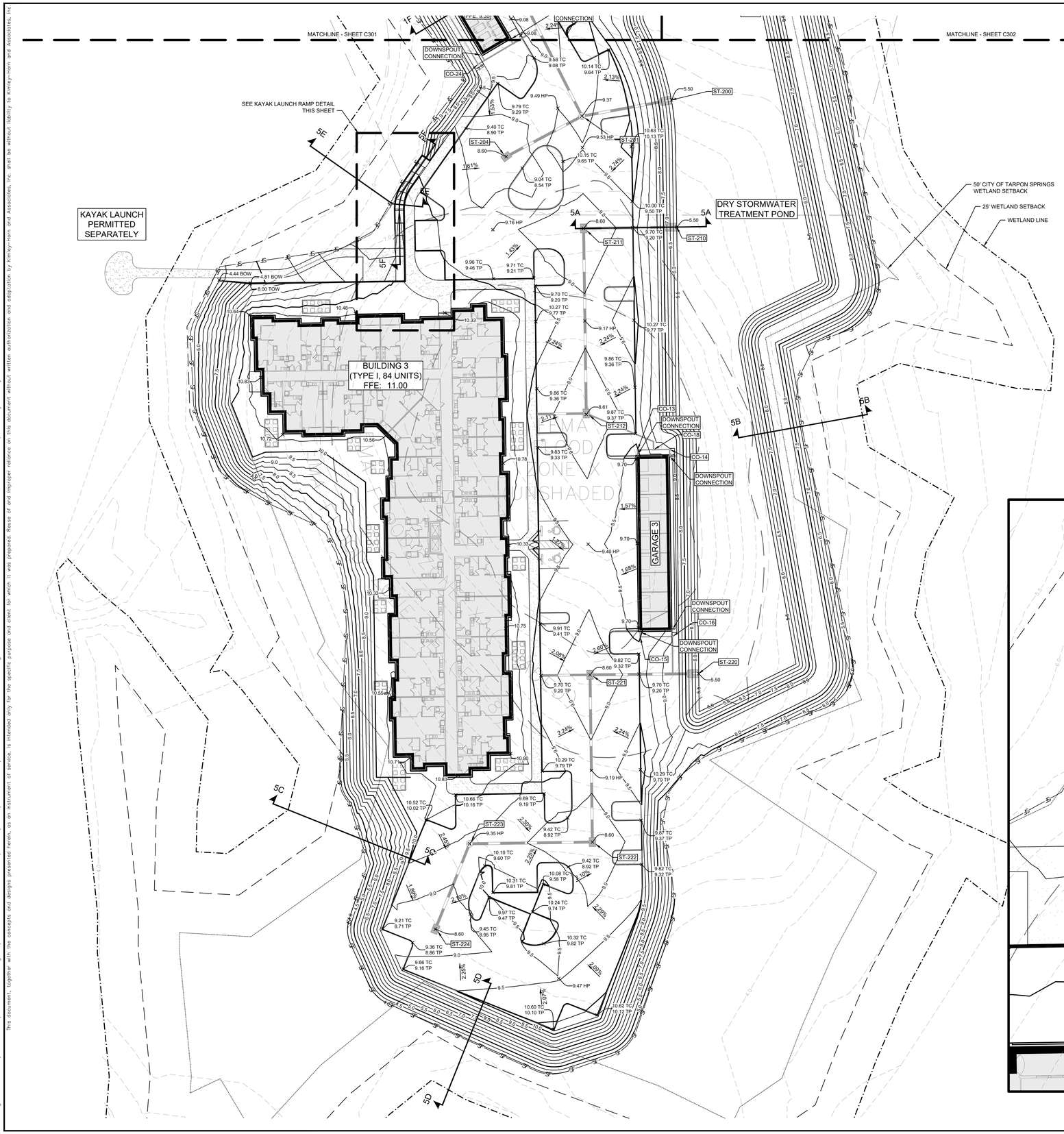

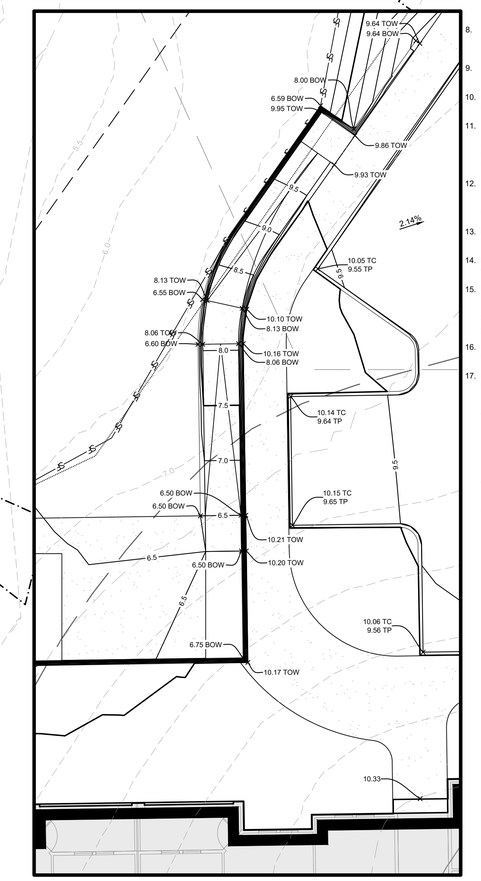

KAYAK LAUNCH RAMP DETAIL
SCALE: 1" = 10'

LEGEND

- PROPERTY BOUNDARY
- PROPOSED BUILDING
- PROPOSED RETAINING WALL
- PROPOSED CONTOUR
- EXISTING CONTOUR
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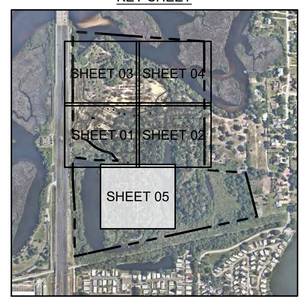
5. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
6. ALL STORM PIPE ENTERING OR EXITING THE STRUCTURE SHALL BE GROUTED IN PLACE TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
7. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3' ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM".
8. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
9. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
10. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL PERVIOUS AND IMPERVIOUS AREAS.
11. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A FLORIDA REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
12. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 4H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
13. DEVELOPMENT SHALL COMPLY WITH CITY OF TARPON SPRINGS STORMWATER TECHNICAL STANDARDS.
14. IF DEWATERING PLAN IS REQUIRED DURING CONSTRUCTION, AS DETERMINED BY THE GENERAL CONTRACTOR, A DEWATERING PLAN WILL BE PROVIDED TO THE DISTRICT.
15. ELEVATIONS SHOWN HEREON ARE IN FEET AND ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1968 (NAVD 88). CONTROL MONUMENT UTILIZED IS DESIGNATED AS "A 759" (PID = D05319), HAVING A PUBLISHED ELEVATION OF 7.76 FEET, AS PUBLISHED BY THE NATIONAL GEODETIC SURVEY. SEE DRAWING FOR ON—SITE TEMPORARY BENCHMARKS (TBM'S).
16. CONTRACTOR TO COORDINATE OFFSITE GRADING ACTIVITIES WITH PROPERTY OWNER PER GRADING EASEMENT AGREEMENT.
17. EARTHEN FILL USED TO RAISE THE GROUND ABOVE THE FLOOD ELEVATION MUST BE PLACED PROPERLY SO THAT IT DOES NOT ERODE OR SLUMP WHEN WATER RISES. FOR SAFETY AND TO MEET REQUIREMENTS, FILL SHOULD:
    - NOT BE PLACED IN AREAS WITH POOR DRAINAGE OR WHERE THE FILL MAY DIVERT WATER ONTO ADJACENT PROPERTIES. INSTEAD, USE PERIMETER WALLS, PIERS OR PILINGS TO MINIMIZE DRAINAGE PROBLEMS.
    - BE GOOD CLEAN SOIL, FREE OF LARGE ROCKS, CONSTRUCTION DEBRIS, AND WOODY MATERIAL (STUMPS, ROOTS)
    - BE MACHINE-COMPACTED TO 95 PERCENT OF THE MAXIMUM DENSITY (DETERMINED BY A DESIGN PROFESSIONAL)
    - HAVE GRADED SIDE SLOPES THAT ARE NOT STEEPER THAN 4:1 (ONE FOOT VERTICAL RISE FOR EVERY 4 FEET HORIZONTAL EXTENT); FLATTER SLOPES ARE RECOMMENDED.
    - HAVE SLOPES PROTECTED AGAINST EROSION (VEGETATION FOR "LOW" VELOCITIES, DURABLE MATERIALS FOR "HIGH" VELOCITIES - DETERMINED BY A DESIGN PROFESSIONAL)

KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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REGISTRY No. 696

DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC
SCALE

PROFESSIONAL ENGINEER
NATHAN G. LEE, P.E.
No. 69843
STATE OF FLORIDA
DATE: 11/2/2021

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C305

GRADING PLAN - 05

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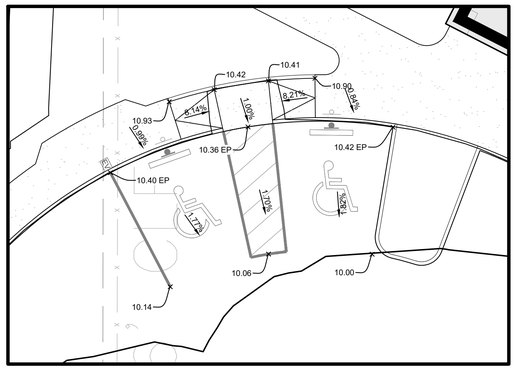
Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD\Work\PlanSheets\C301 – GRADING PLAN.dwg C305 – GRADING PLAN - 05 Nov 02, 2021 3:46pm by: haley.skinner



CLUBHOUSE ADA GRADING DETAIL
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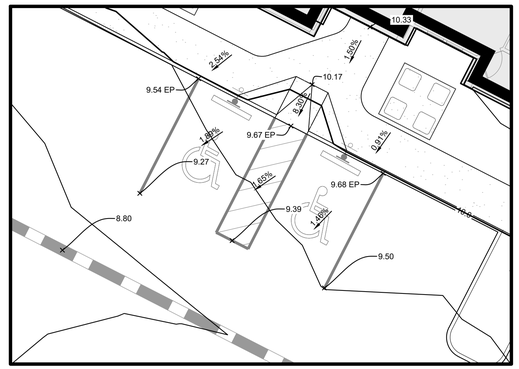

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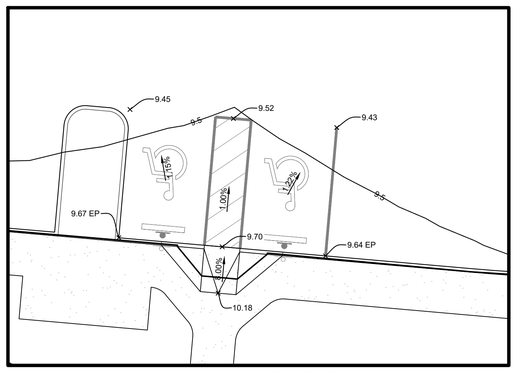

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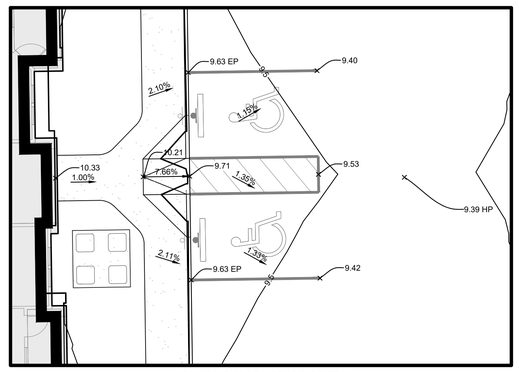

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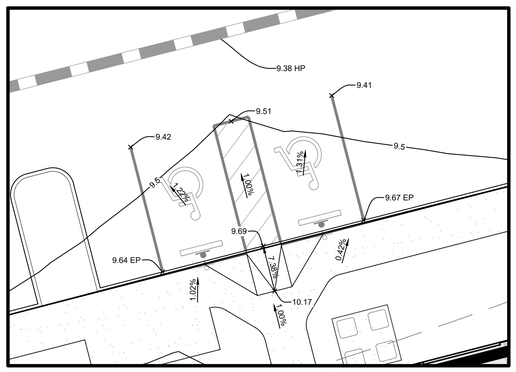

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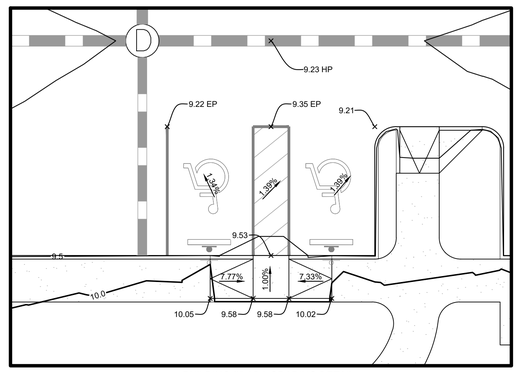

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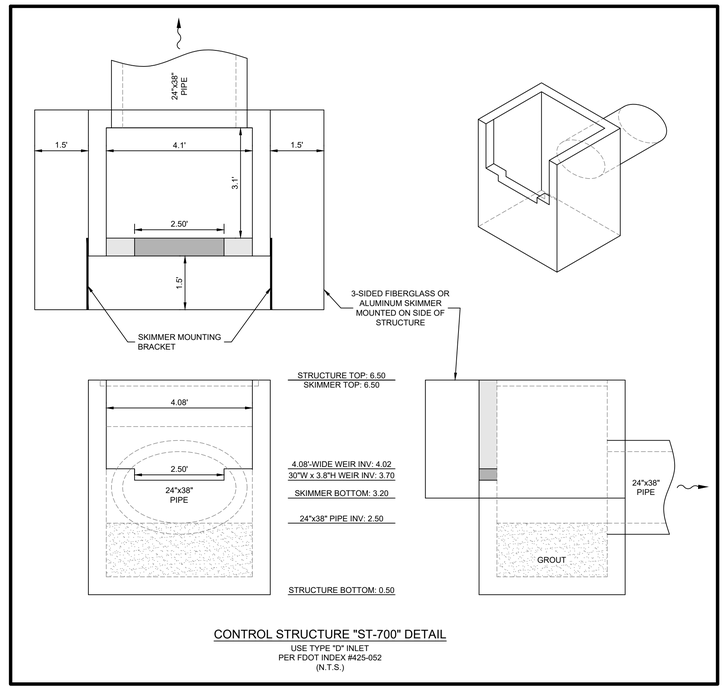

CONTROL STRUCTURE "ST-700" DETAIL
USE TYPE "D" INLET
PER FDOT INDEX #425-052
(N.T.S.)

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGNED BY NATHAN Q. LEE, P.E.
No. 69843
STATE OF FLORIDA REGISTRATION NUMBER
PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

GRADING AND DRAINAGE DETAILS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C310

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Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD\Work\PlanSheets\C310 - GRADING DETAILS.dwg C310 - GRADING DETAILS Nov 02, 2021 3:47pm by: haley.skinner
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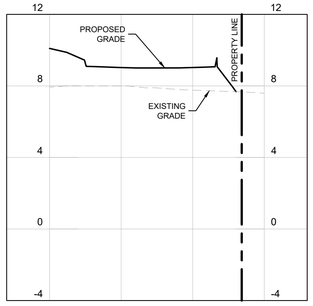

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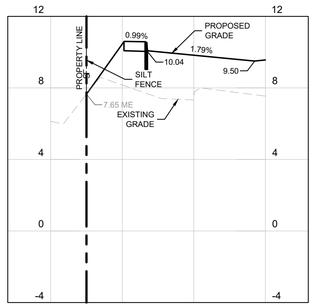
1" = 4' V



SECTION 1-B
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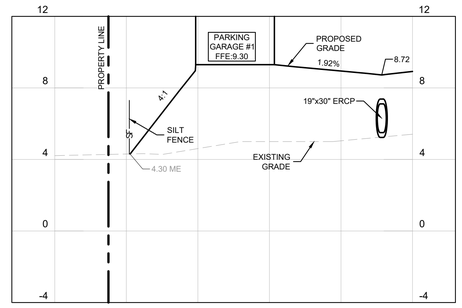

SECTION 1-C
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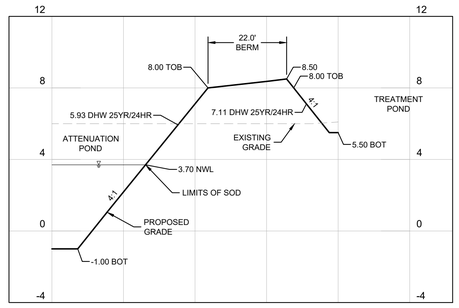

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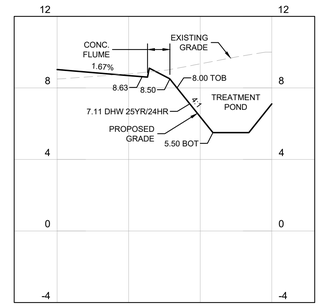

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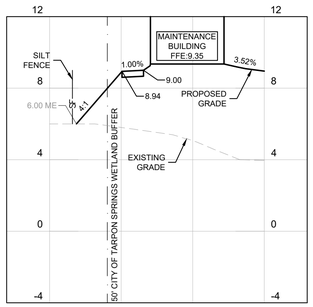

SECTION 1-F
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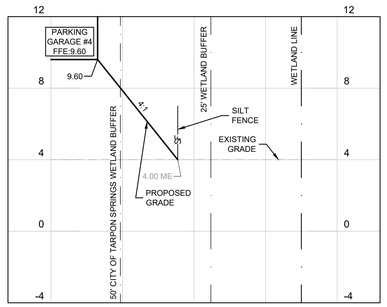

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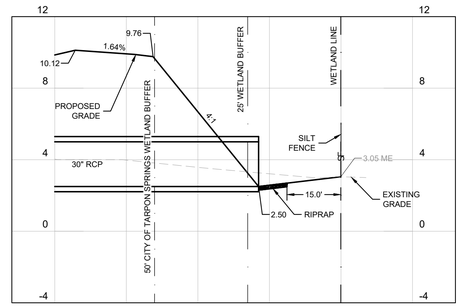

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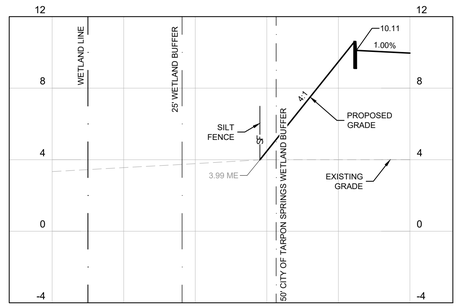

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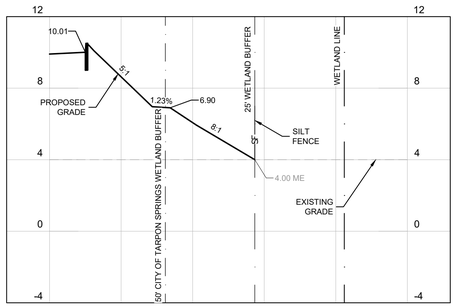

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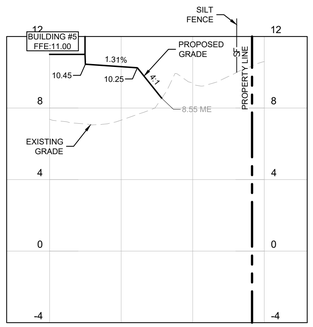

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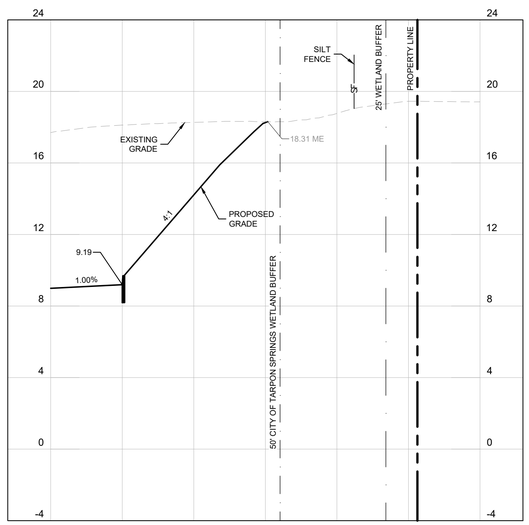

SECTION 2-F
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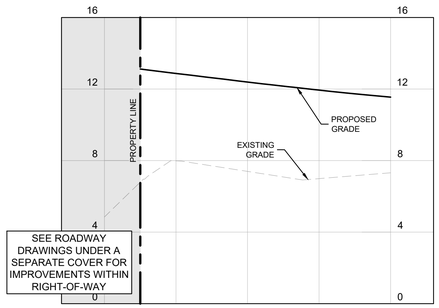

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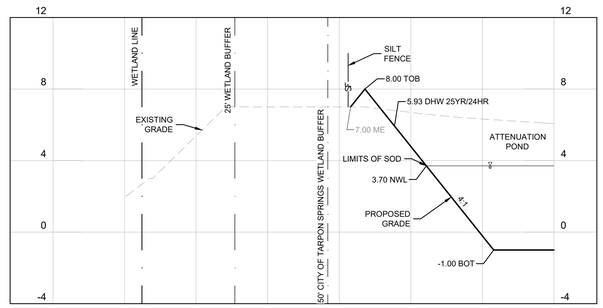

SECTION 3-B
SCALE: 1" = 20' H
1" = 4' V

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1	FDP RESUBMITTAL	09/13/2021	BDM
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DESIGNED BY N. QUINN LEE, P.E. No. 69843
DRAWN BY N. QUINN LEE, P.E. No. 69843
CHECKED BY N. QUINN LEE, P.E. No. 69843

NATHAN Q. LEE, P.E. No. 69843
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

GRADING SECTIONS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021

PROJECT NO.
145062001

SHEET NUMBER
C320

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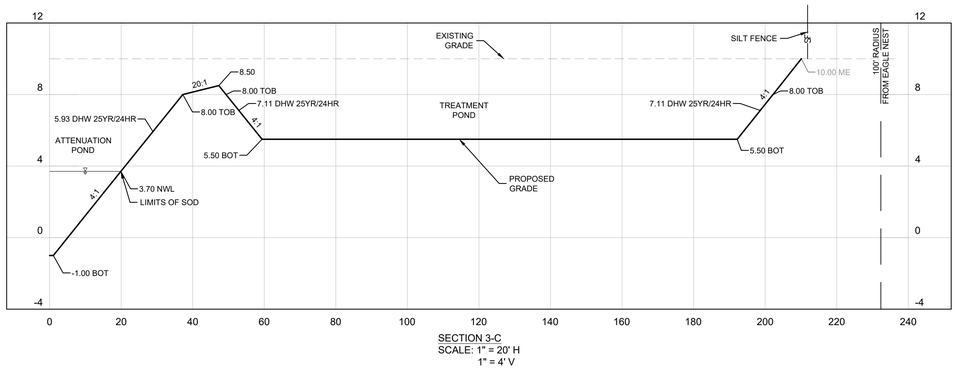

SECTION 3-C
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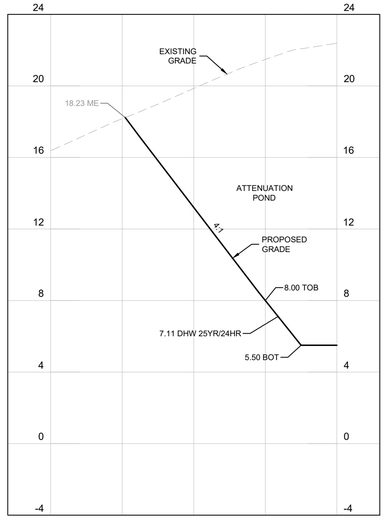

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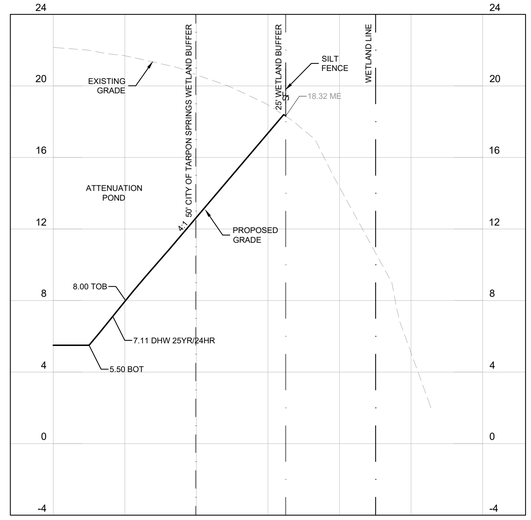

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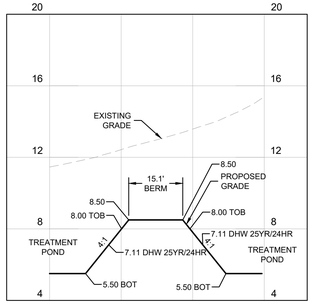

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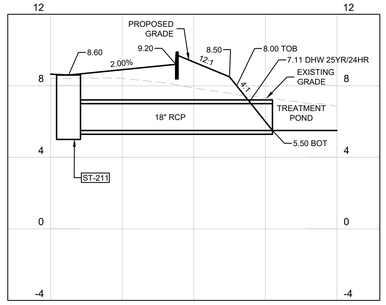

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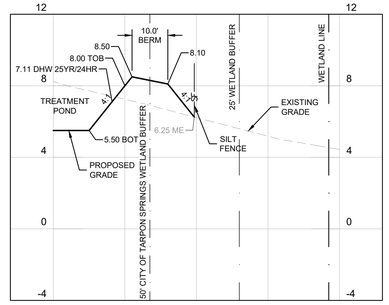

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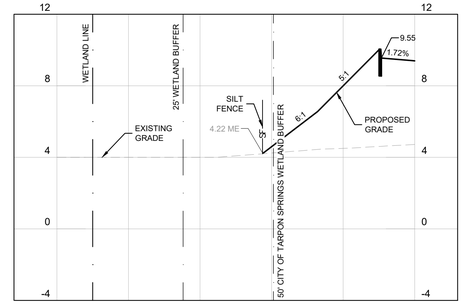

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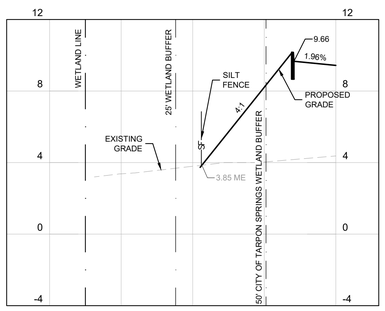

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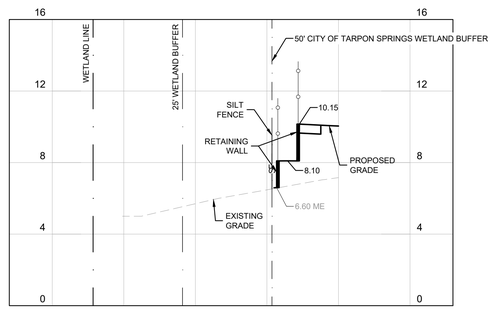

SECTION 5-E
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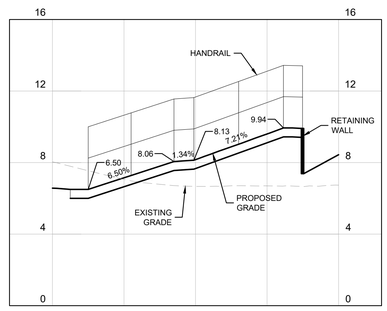

SECTION 5-F
SCALE: 1" = 20' H
1" = 4' V

No.	DATE	BY
	REVISIONS	
1	FDP RESUBMITTAL	09/13/2021 BDM
2	SWFWMD COMMENTS	10/14/2021 BDM

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DESIGNED BY DAWN LEE, P.E. No. 69843
DRAWN BY NATHAN O. LEE, P.E. No. 69843
CHECKED BY
STATE OF FLORIDA REGISTRATION NUMBER 69843
PROFESSIONAL ENGINEER

SCALE	
DESIGNED BY	RPC
DRAWN BY	BFN
CHECKED BY	ACC

GRADING SECTIONS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C321

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Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD\Work\PlanSheets\C320 - GRADING SECTIONS.dwg C321 - GRADING SECTIONS Nov 02, 2021 3:48pm by: haley.skinner

MATCHLINE - SHEET C403

STUB OUT FOR SUNSTONE METAL PRODUCTS, MODEL NO. ADASK20 AMENITY SINK WITH COVER INV: 6.50

POOL

24 LF OF 4" PVC @ 1.00%

52 LF OF 4" PVC @ 1.00%

FIRE LINE CONNECTION REF. PLUMBING PLANS

DOMESTING CONNECTION REF. PLUMBING PLANS

CLUBHOUSE FFE: 11.00

BUILDING CONNECTION REF. PLUMBING PLAN INV: 6.00

6" 90° BEND

10" 90° BEND

96 LF OF 4" PVC @ 1.03%

10"x6" TEE

39 LF OF 8" PVC @ 0.88%

10"x4" TEE

2" CORP STOP

BUILDING CONNECTION REF. PLUMBING PLAN INV: 6.00

225 LF OF 8" PVC @ 0.48%

BUILDING 1 (TYPE I, 84 UNITS) FFE: 11.00

SEE UTILITY CONNECTION DETAIL SHEET C410

141 LF OF 8" PVC @ 0.63%

ABOVE GROUND ARV SEE DETAIL ON SHEET C522

DOMESTIC CONNECTION REF. PLUMBING PLANS

FIRE LINE CONNECTION REF. PLUMBING PLANS

REMOTE FDC CONNECTION REF. PLUMBING PLANS

6"x3" TEE
3" GATE VALVE W/ BOX

10"x4" TEE

(2) 6" 45° BENDS

(2) 6" 45° VERTICAL DI BENDS

(2) 6" 45° DI BENDS

3" 90° BEND

4" 90° BEND

6" 90° BEND

6" 11.25° BEND

(2) 6" 45° DI BENDS

90 LF OF 8" PVC @ 0.40%

6" 22.5° DI BEND

10" TEE

6" TEE
(2) 6" GATE VALVE W/ BOX

248 LF OF 8" PVC @ 0.40%

10"x6" TEE

(2) 6" 45° VERTICAL DI BENDS

SS-06

BEGIN OFF-SITE FORCE MAIN EXTENSION TO CITY OF TARPON SPRINGS WASTEWATER TREATMENT PLANT. SEE OFF-SITE FORCE MAIN EXTENSION PLANS.

70.0' FLORIDA POWER EASEMENT

BEGIN HORIZONTAL DIRECTIONAL DRILL. SEE OFF-SITE FORCE MAIN EXTENSION PLANS.

GARAGE 1

UTILITY CONFLICT #1

(2) 6" 45° VERTICAL DI BENDS

SS-04

6" 11.25° DI BEND

135 LF OF 8" PVC @ 0.40%

SS-03

10" 45° BEND

10" 22.5° BEND

6" 22.5° BEND

6" 45° BEND

1" CORP. STOP
1" HDPE SERVICE

(2) 6" 45° DI BENDS

96 LF OF 8" PVC @ 0.40%

10" 45° BEND

159 LF OF 8" PVC @ 0.40%

10"x6" TEE

10" TEE

6" 45° BEND

6" TEE
6" GATE VALVE W/ BOX
6"x3" REDUCER
3" GATE VALVE W/ BOX

80 LF OF 10" PVC @ 0.30%

PRIVATE LIFT STATION SEE DETAIL ON SHEET C523

(2) 6" 45° DI BENDS

SS-01

34 LF OF 10" PVC @ 0.30%

MATCHLINE - SHEET C405

UTILITY CONFLICT #3

6"x3" TEE
3" GATE VALVE W/ BOX

196 LF OF 8" PVC @ 0.40%

10"x6" TEE

10"x4" TEE

4" 45° BEND

4" 22.5° BEND

6" 22.5° BEND

3" 45° BEND

3" 22.5° BEND

3" 90° BEND

STUB OUT FOR SUNSTONE METAL PRODUCTS, MODEL NO. ADASK20 AMENITY SINK WITH COVER INV: 7.50

BUILDING 2 (TYPE III, 68 UNITS) FFE: 11.00

DOMESTIC CONNECTION REF. PLUMBING PLANS

REMOTE FDC CONNECTION REF. PLUMBING PLANS

FIRE LINE CONNECTION REF. PLUMBING PLANS

4" 90° BEND

6" 90° BEND

33 LF OF 4" PVC @ 1.00%

8 LF OF 8" PVC @ 0.40%

BUILDING CONNECTION REF. PLUMBING PLAN INV: 6.00

UTILITY CONFLICT #2

232 LF OF 8" PVC @ 0.40%

SS-18

SS-17

ABOVE GROUND ARV SEE DETAIL ON SHEET C522

GARAGE 2

(2) 6" 45° DI BENDS

134 LF OF 8" PVC @ 0.77%

MATCHLINE - SHEET C402

LEGEND

- PROPERTY BOUNDARY
- PFL 10 — PROPOSED FIRE LINE
- PWT06 — PROPOSED WATER LINE
- PSS08 — PROPOSED SANITARY SEWER
- PFM 06 — PROPOSED FORCEMAIN
- PROPOSED STORM SEWER

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SITE LEGEND

- (A) PROPOSED 10" PVC FIRE LINE
- (B) PROPOSED 6" PVC FIRE LINE
- (C) PROPOSED 6" PVC WATER LINE
- (D) PROPOSED 4" PVC WATER LINE
- (E) PROPOSED 3" PVC WATER LINE
- (F) PROPOSED 2" POLYETHYLENE PIPE
- (G) PROPOSED 8" PVC SEWER LINE
- (H) PROPOSED 10" PVC SEWER LINE
- (I) PROPOSED PRIVATE 6" C900 PVC FORCE MAIN
- (J) PROPOSED FIRE HYDRANT ASSEMBLY
- (K) PROPOSED 4" PVC FIRE LINE
- (L) PROPOSED 4" PVC SEWER LINE
- (M) PROPOSED 1" POLYETHYLENE PIPE
- (N) PROPOSED REMOTE FIRE DEPARTMENT CONNECTION

STRUCTURE TABLE	
STRUCTURE	DETAILS:
SS-01	DROP MANHOLE RIM: 8.87 (NW) 10" PVC INV: -4.10 (NE) 10" PVC INV: -4.20 (SE) 8" PVC INV: 3.00
SS-02	DROP MANHOLE RIM: 8.97 (N) 8" PVC INV: -3.76 (SE) 10" PVC INV: -3.86 (NE) 8" PVC INV: 2.39
SS-03	SANITARY MANHOLE RIM: 9.42 (W) 6" PVC INV: -3.28 (S) 8" PVC INV: -3.38
SS-04	DROP MANHOLE RIM: 9.35 (NW) 8" PVC INV: 3.56 (E) 8" PVC INV: -2.74 (NE) 8" PVC INV: -2.64
SS-05	SANITARY MANHOLE RIM: 8.88 (W) 8" PVC INV: 4.64 (SE) 8" PVC INV: 4.54
SS-06	SANITARY MANHOLE RIM: 8.87 (N) 8" PVC INV: 5.10 (E) 8" PVC INV: 5.00
SS-07	DROP MANHOLE RIM: 8.74 (E) 8" PVC INV: -1.61 (SW) 8" PVC INV: -1.71 (NW) 8" PVC INV: 3.58
SS-08	SANITARY MANHOLE RIM: 9.78 (SW) 8" PVC INV: 5.65 (SE) 8" PVC INV: 4.65 (NW) 4" PVC INV: 4.75
SS-09	SANITARY MANHOLE RIM: 8.58 (E) 8" PVC INV: -0.73 (W) 8" PVC INV: -0.83
SS-10	DROP MANHOLE RIM: 9.11 (E) 8" PVC INV: -0.27 (W) 8" PVC INV: -0.37 (S) 8" PVC INV: 5.80
SS-11	DROP MANHOLE RIM: 9.27 (N) 8" PVC INV: 2.60 (W) 8" PVC INV: 0.60

STRUCTURE TABLE	
STRUCTURE	DETAILS:
SS-12	SANITARY MANHOLE RIM: 8.68 (E) 8" PVC INV: 3.75 (S) 8" PVC INV: 2.87
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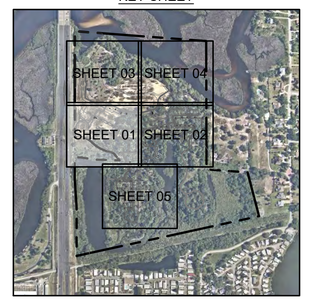
SS-14	SANITARY MANHOLE RIM: 8.73 (S) 8" PVC INV: 4.96 (W) 8" PVC INV: 4.86
SS-15	SANITARY MANHOLE RIM: 9.44 (S) 8" PVC INV: 3.31 (NW) 8" PVC INV: 3.21
SS-16	SANITARY MANHOLE RIM: 9.07 (W) 8" PVC INV: 5.30 (N) 8" PVC INV: 4.21
SS-17	DROP MANHOLE RIM: 9.84 (N) 8" PVC INV: 4.83 (SW) 8" PVC INV: 2.83 (NE) 4" PVC INV: 2.93
SS-18	SANITARY MANHOLE RIM: 10.34 (W) 8" PVC INV: 5.97 (S) 8" PVC INV: 5.87 (N) 4" PVC INV: 7.17
SS-20	CLEAN OUT RIM: 10.00 (NW) 4" PVC INV: 6.26 (SW) 4" PVC INV: 6.26
SS-21	CLEAN OUT RIM: 10.03 (NE) 4" PVC INV: 5.74 (SE) 4" PVC INV: 5.74

FIRE DEPARTMENT NOTES:

1. ALL FIRE MAINS SHALL BE RESTRAINED AT ALL JOINTS INCLUDING THE SLIP/BELL COUPLINGS.
2. FIRE HYDRANTS SHALL BE MARKED WITH BLUE DELINEATORS LOCATED IN THE CENTER OF THE DRIVING LANE OF THE SIDE THAT THE HYDRANT IS LOCATED ON.

UTILITY CONFLICTS			UTILITY CONFLICTS		
CONFLICT #1			CONFLICT #5		
19"x30" ERCP STORM	5.23	BOTTOM	18" STORM	5.30	BOTTOM
8" SANITARY	4.25	TOP	8" SANITARY	1.25	TOP
CONFLICT #2			CONFLICT #6		
18" STORM	5.30	BOTTOM	18" STORM	5.30	BOTTOM
8" SANITARY	-1.72	TOP	8" SANITARY	4.02	TOP
CONFLICT #3			CONFLICT #7		
19"x30" ERCP STORM	5.23	BOTTOM	18" STORM	5.30	BOTTOM
8" SANITARY	4.27	TOP	8" SANITARY	4.30	TOP
CONFLICT #4			CONFLICT #8		
24"x38" ERCP STORM	4.65	BOTTOM	30" STORM	2.21	BOTTOM
8" SANITARY	-0.26	TOP	8" SANITARY	1.22	TOP

KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

NATHAN C. LEE, P.E. No. 69843 STATE OF FLORIDA PROFESSIONAL ENGINEER

UTILITY PLAN - 01

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C401

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Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD Work\PlanSheets\C401 - UTILITY PLAN.dwg C401 - UTILITY PLAN — 01 Nov 02, 2021 3:48pm by: haley.skinner

MATCHLINE - SHEET C404

MATCHLINE - SHEET C405

MATCHLINE - SHEET C401

BUILDING 5
(TYPE I, 84 UNITS)
FFE: 11.00

BUILDING 4
(TYPE II, 84 UNITS)
FFE: 11.00

GARAGE 5

GARAGE 4

192 LF OF 8" PVC @ 0.40%

61 LF OF 8" PVC @ 0.40%

219 LF OF 8" PVC @ 0.40%

88 LF OF 8" PVC @ 0.40%

49 LF OF 8" PVC @ 0.40%

57 LF OF 8" PVC @ 1.83%

121 LF OF 6" PVC @ 1.00%

BUILDING CONNECTION
REF. PLUMBING PLAN
INV: 6.00

DOMESTIC CONNECTION
REF. PLUMBING PLANS

REMOTE FDC CONNECTION
REF. PLUMBING PLANS

FIRE LINE CONNECTION
REF. PLUMBING PLANS

STUB OUT FOR SUNSTONE METAL PRODUCTS, MODEL NO. ADASK20 AMENITY SINK WITH COVER
INV: 4.20

UTILITY CONFLICT #4

UTILITY CONFLICT #5

UTILITY CONFLICT #8

10" 45° BEND
6" 45° BEND
10"x6" TEE
6" 11.25" BEND
10" 11.25" BEND
10" 22.5" BEND
6" 22.5" BEND
6" 90" BEND
4" 90" BEND
10"x4" TEE
6"x3" TEE
3" GATE VALVE W/ BOX
1" CORP STOP
10" TEE
10"x6" REDUCER

SS-09 SS-10 SS-11 SS-12 SS-13 SS-14 SS-18

4' CLF

LEGEND

PROPERTY BOUNDARY

PFL 10 — PROPOSED FIRE LINE
PWT06 — PROPOSED WATER LINE
PSS08 — PROPOSED SANITARY SEWER
PFM 06 — PROPOSED FORCEMAIN
PROPOSED STORM SEWER

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SITE LEGEND

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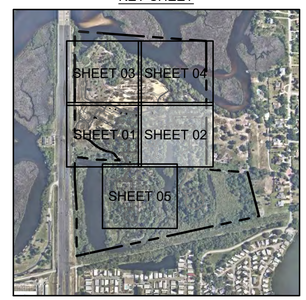
KEY SHEET



SCALE: 1" = 750'

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Kimley»Horn

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PHONE: 813-620-1460
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DESIGNED BY NQL
DRAWN BY BFN
CHECKED BY ACC

NATHAN Q. LEE, P.E.
No. 69843
STATE OF FLORIDA
PROFESSIONAL ENGINEER

SCALE

DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

UTILITY PLAN - 02

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021

PROJECT NO.
145062001

SHEET NUMBER
C402

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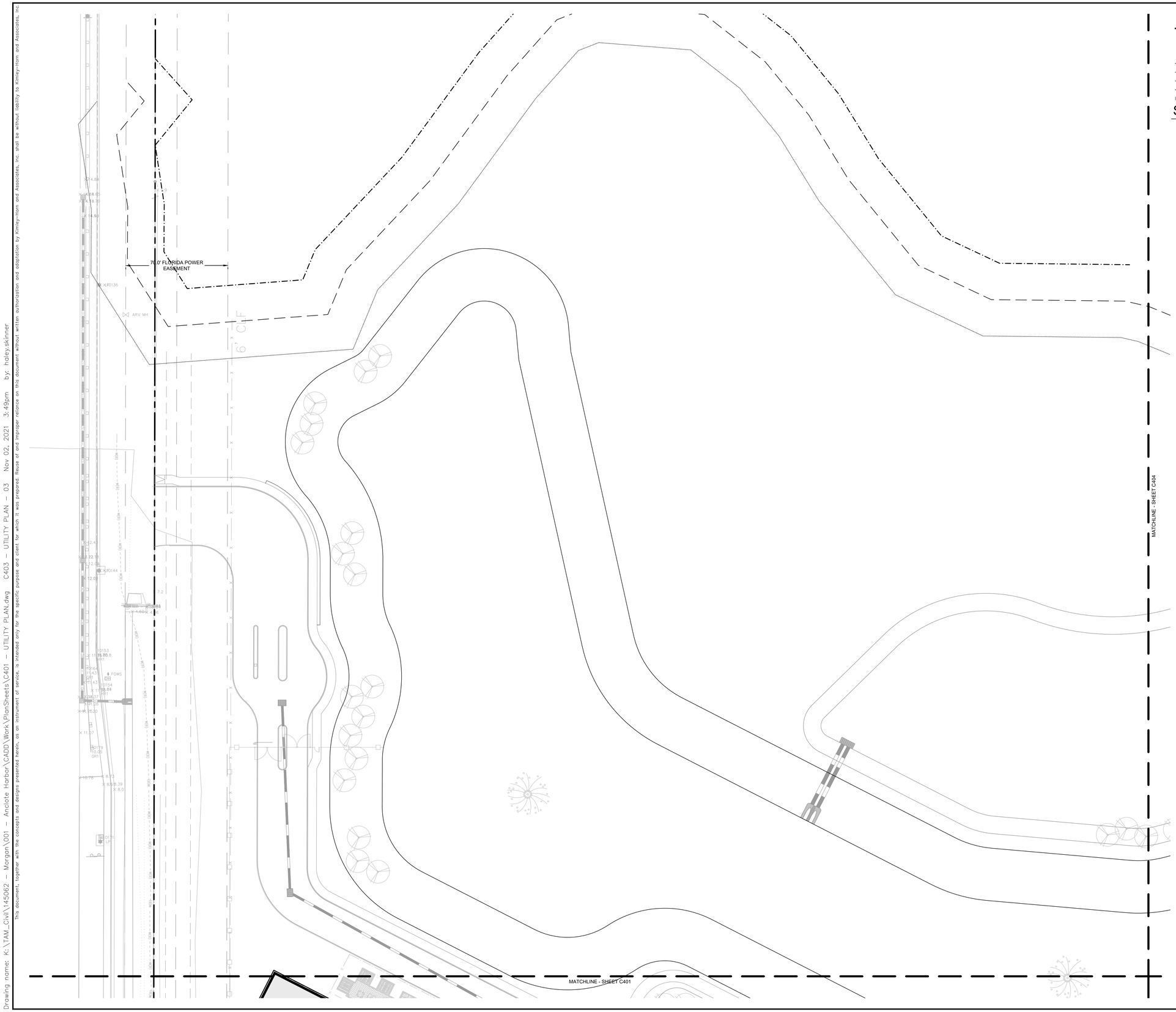

LEGEND

PROPERTY BOUNDARY

PROPOSED FIRE LINE
PROPOSED WATER LINE
PROPOSED SANITARY SEWER
PROPOSED FORCEMAIN
PROPOSED STORM SEWER

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SITE LEGEND

(A) PROPOSED 10" PVC FIRE LINE
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SS-20	CLEAN OUT RIM: 10.00 (NW) 4" PVC INV: 6.26 (SW) 4" PVC INV: 6.26
SS-21	CLEAN OUT RIM: 10.03 (NE) 4" PVC INV: 5.74 (SE) 4" PVC INV: 5.74

FIRE DEPARTMENT NOTES:
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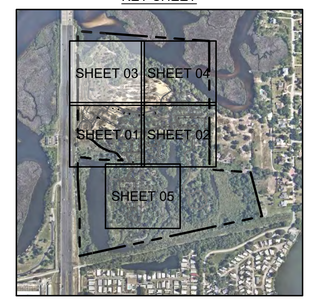
2. FIRE HYDRANTS SHALL BE MARKED WITH BLUE DELINEATORS LOCATED IN THE CENTER OF THE DRIVING LANE OF THE SIDE THAT THE HYDRANT IS LOCATED ON.

UTILITY CONFLICTS			UTILITY CONFLICTS		
CONFLICT #1			CONFLICT #5		
19"x30" ERCP STORM	5.23	BOTTOM	18" STORM	5.30	BOTTOM
8" SANITARY	4.25	TOP	8" SANITARY	1.25	TOP
CONFLICT #2			CONFLICT #6		
18" STORM	5.30	BOTTOM	18" STORM	5.30	BOTTOM
8" SANITARY	-1.72	TOP	8" SANITARY	4.02	TOP
CONFLICT #3			CONFLICT #7		
19"x30" ERCP STORM	5.23	BOTTOM	18" STORM	5.30	BOTTOM
8" SANITARY	4.27	TOP	8" SANITARY	4.30	TOP
CONFLICT #4			CONFLICT #8		
24"x38" ERCP STORM	4.65	BOTTOM	30" STORM	2.21	BOTTOM
8" SANITARY	-0.26	TOP	8" SANITARY	1.22	TOP

KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

DESIGNED BY NATHAN O. LEE, P.E. No. 69843 — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

UTILITY PLAN - 03

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C403

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Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD\Work\PlanSheets\C401 - UTILITY PLAN.dwg C403 - UTILITY PLAN - 03 Nov 02, 2021 3:49pm by: haley.skinner

Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD\Work\PlanSheets\C401 – UTILITY PLAN.dwg C404 – UTILITY PLAN – 04 Nov 02, 2021 3:49pm by: haley.skinner

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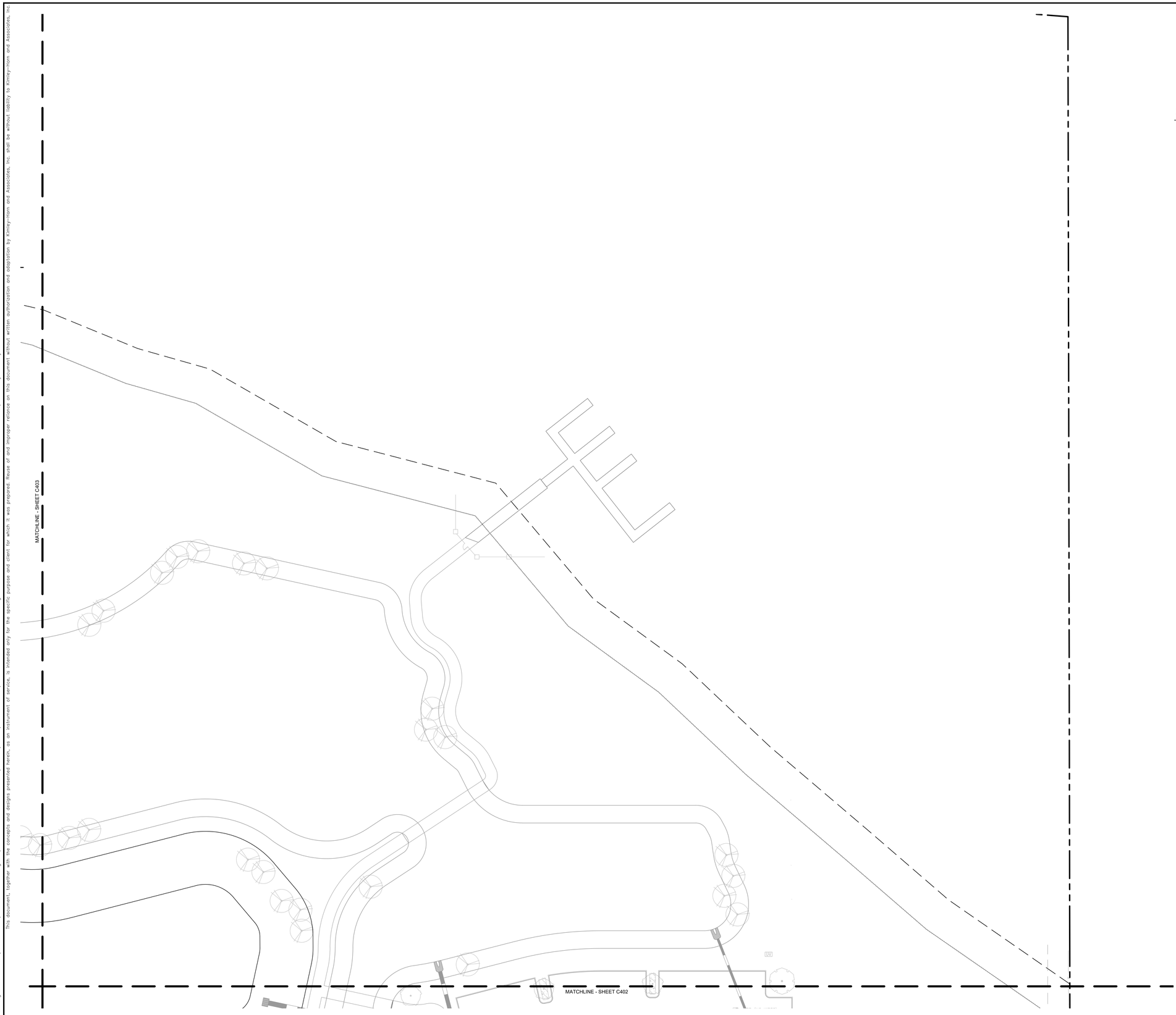

LEGEND

PROPERTY BOUNDARY

NORTH

PROPOSED FIRE LINE
PROPOSED WATER LINE
PROPOSED SANITARY SEWER
PROPOSED FORCEMAIN
PROPOSED STORM SEWER

GRAPHIC SCALE IN FEET
0 15 30 60

SITE LEGEND

(A) PROPOSED 10" PVC FIRE LINE
(B) PROPOSED 6" PVC FIRE LINE
(C) PROPOSED 6" PVC WATER LINE
(D) PROPOSED 4" PVC WATER LINE
(E) PROPOSED 3" PVC WATER LINE
(F) PROPOSED 2" POLYETHYLENE PIPE
(G) PROPOSED 8" PVC SEWER LINE
(H) PROPOSED 10" PVC SEWER LINE
(I) PROPOSED PRIVATE 6" C900 PVC FORCE MAIN
(J) PROPOSED FIRE HYDRANT ASSEMBLY
(K) PROPOSED 4" PVC FIRE LINE
(L) PROPOSED 4" PVC SEWER LINE
(M) PROPOSED 1" POLYETHYLENE PIPE
(N) PROPOSED REMOTE FIRE DEPARTMENT CONNECTION

STRUCTURE TABLE	
STRUCTURE	DETAILS:
SS-01	DROP MANHOLE RIM: 8.87 (NW) 10" PVC INV: -4.10 (NE) 10" PVC INV: -4.20 (SE) 8" PVC INV: 3.00
SS-02	DROP MANHOLE RIM: 8.97 (N) 8" PVC INV: -3.76 (SE) 10" PVC INV: -3.86 (NE) 8" PVC INV: 2.39
SS-03	SANITARY MANHOLE RIM: 9.42 (W) 8" PVC INV: -3.28 (S) 8" PVC INV: -3.38
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SS-08	SANITARY MANHOLE RIM: 9.78 (SW) 8" PVC INV: 5.65 (SE) 8" PVC INV: 4.65 (NW) 4" PVC INV: 4.75
SS-09	SANITARY MANHOLE RIM: 8.98 (E) 8" PVC INV: -0.73 (W) 8" PVC INV: -0.83
SS-10	DROP MANHOLE RIM: 9.11 (E) 8" PVC INV: -0.27 (W) 8" PVC INV: -0.37 (S) 8" PVC INV: 5.80
SS-11	DROP MANHOLE RIM: 9.27 (N) 8" PVC INV: 2.60 (W) 8" PVC INV: 0.60

STRUCTURE TABLE	
STRUCTURE	DETAILS:
SS-12	SANITARY MANHOLE RIM: 8.68 (E) 8" PVC INV: 3.75 (S) 8" PVC INV: 2.87
SS-13	SANITARY MANHOLE RIM: 9.42 (E) 8" PVC INV: 4.09 (W) 8" PVC INV: 3.99
SS-14	SANITARY MANHOLE RIM: 8.73 (S) 8" PVC INV: 4.96 (W) 8" PVC INV: 4.86
SS-15	SANITARY MANHOLE RIM: 9.44 (S) 8" PVC INV: 3.31 (NW) 8" PVC INV: 3.21
SS-16	SANITARY MANHOLE RIM: 9.07 (W) 8" PVC INV: 5.30 (N) 8" PVC INV: 4.21
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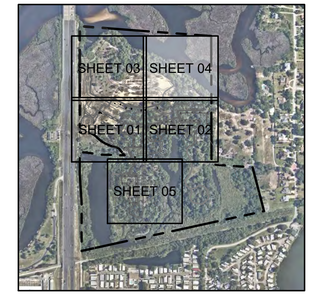
KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
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DESIGNED BY NATHAN O. LEE, P.E. No. 69843 — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

UTILITY PLAN - 04

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C404

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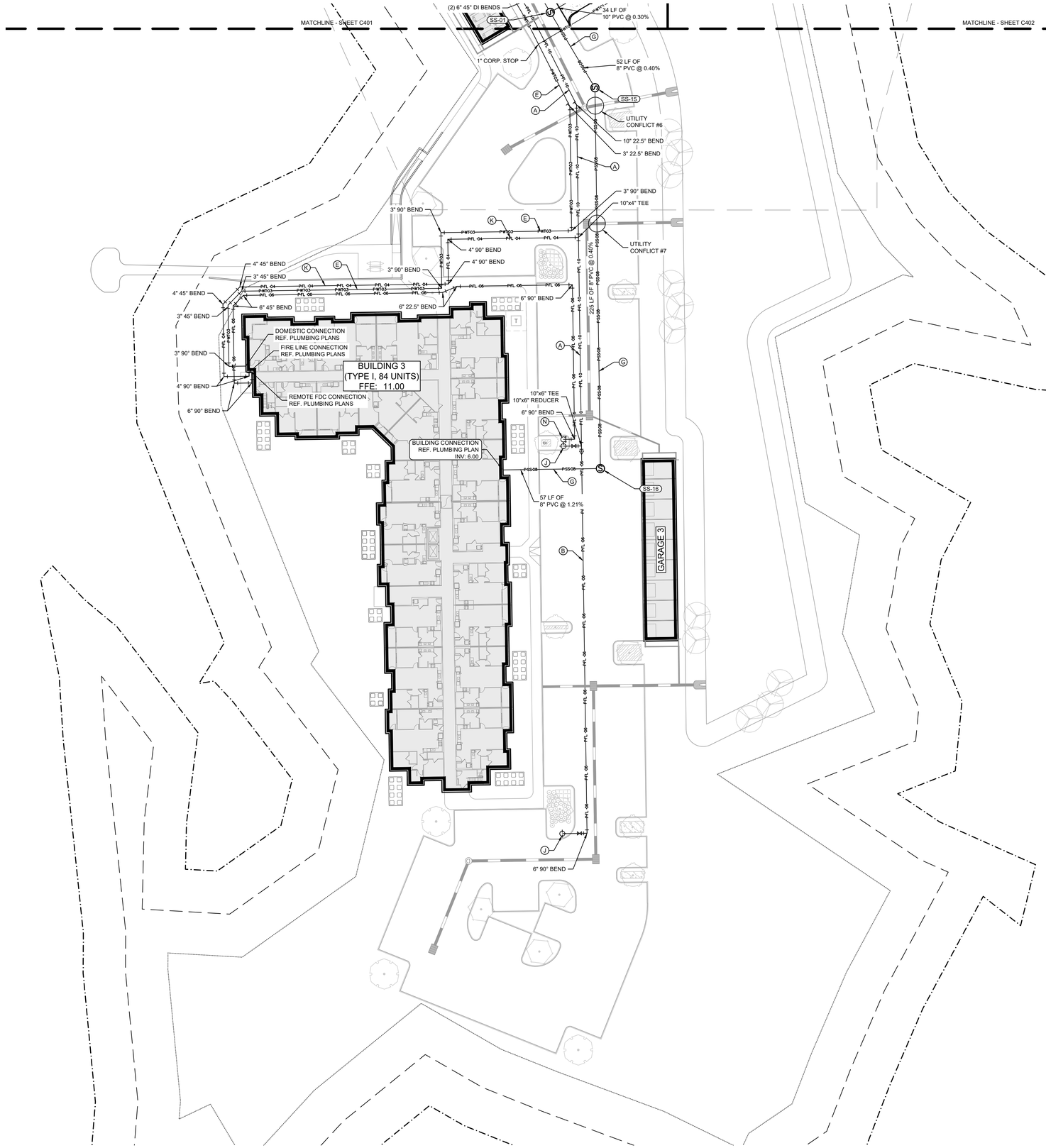

LEGEND

PROPERTY BOUNDARY

PROPOSED FIRE LINE
PROPOSED WATER LINE
PROPOSED SANITARY SEWER
PROPOSED FORCEMAIN
PROPOSED STORM SEWER

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

SITE LEGEND

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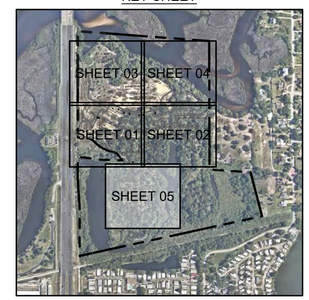
KEY SHEET



SCALE: 1" = 750'

No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

NATHAN Q. LEE, P.E. No. 69843 — STATE OF FLORIDA — REGISTERED PROFESSIONAL ENGINEER

UTILITY PLAN - 05

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C405

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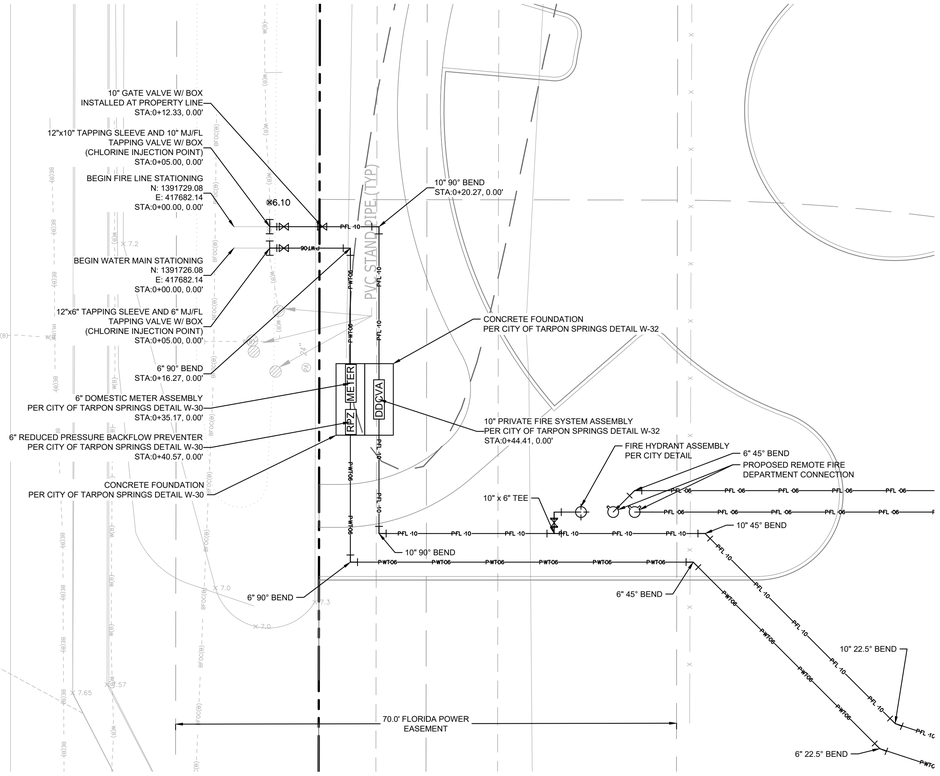
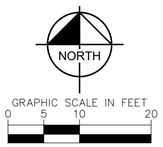
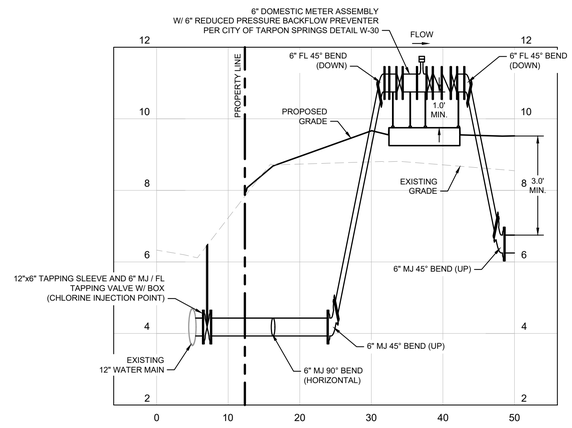
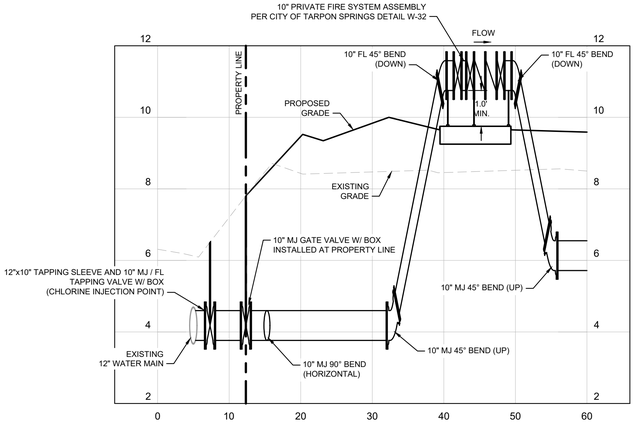






WATER SERVICE PROFILE



FIRE SERVICE PROFILE

1	FDP RESUBMITTAL	09/13/2021 BDM
2	SWFWMD COMMENTS	10/14/2021 BDM
No.	REVISIONS	DATE BY

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DESIGNED BY NATHAN O. LEE, P.E. No. 69843
STATE OF FLORIDA REGISTRATION NUMBER
PROFESSIONAL ENGINEER

SCALE	
DESIGNED BY	RPC
DRAWN BY	BFN
CHECKED BY	ACC

UTILITY CONNECTION DETAIL

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021

PROJECT NO.
145062001

SHEET NUMBER
C410

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Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD Work\PlanSheets\C420 – LIFT STATION SITE PLAN.dwg C420 – LIFT STATION SITE PLAN Nov 02, 2021 3:50pm by: haley.skinner

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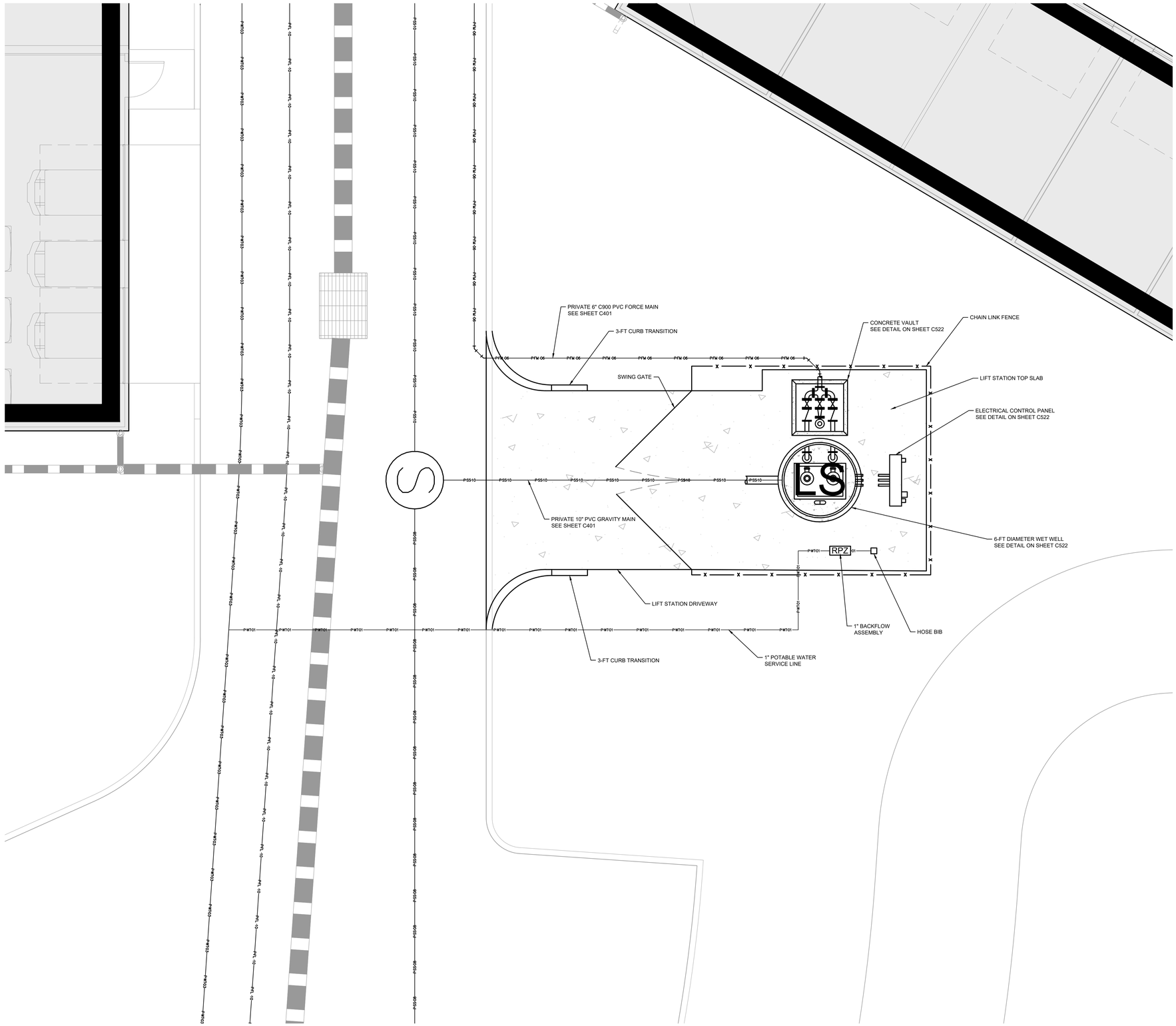

NORTH

GRAPHIC SCALE IN FEET
0 2 4 8

LEGEND

- PROPERTY BOUNDARY
- PROPOSED FIRE LINE
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER
- PROPOSED FORCEMAIN
- PROPOSED STORM SEWER

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DESIGNED BY: N. QUINN LEE, P.E.
No. 69843
STATE OF FLORIDA
REGISTRATION NUMBER
69843
PROFESSIONAL ENGINEER
DIGITALLY SIGNED BY: NATHAN Q. LEE, P.E.

SCALE	
DESIGNED BY	RPC
DRAWN BY	BFN
CHECKED BY	ACC

LIFT STATION SITE PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
11/2/2021
PROJECT NO.
145062001
SHEET NUMBER
C420

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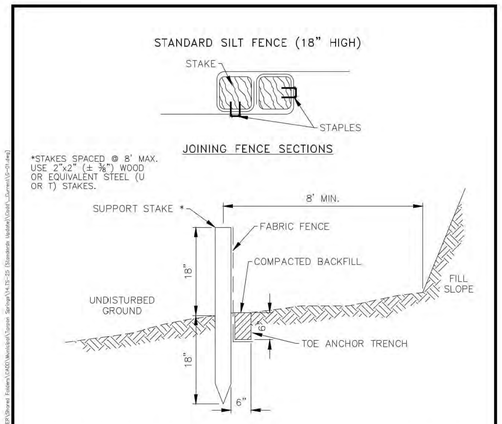
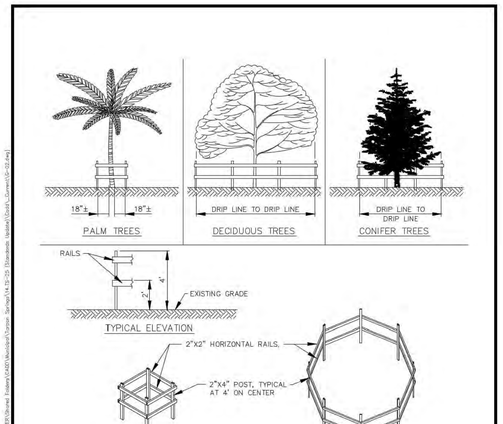
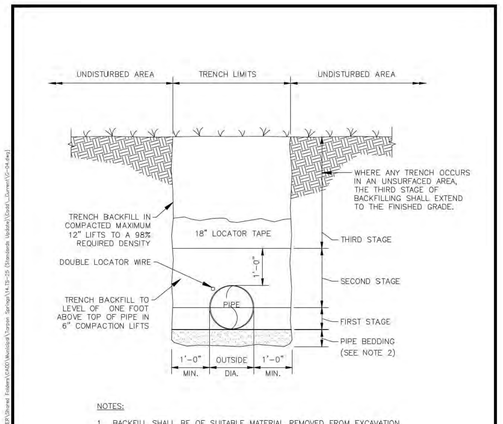


CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	SILT FENCE INSTALLATION DETAIL	DATE 12/15/15 · INDEX G-01 · SCALE N.T.S. · SHEET 1 OF 1



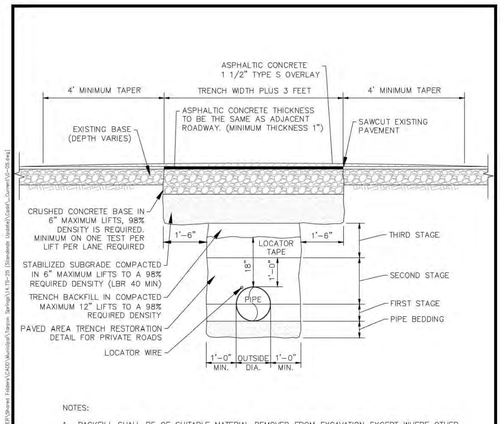
NOTES:
1. NO TRUCKS OR HEAVY EQUIPMENT ALLOWED WITHIN BARRIERS, ONLY HAND LABOR ALLOWED.
2. NO CONSTRUCTION MATERIALS, SOIL DEPOSITS, OR SOLVENTS SHALL BE ALLOWED INSIDE BARRIERS.
3. BARRIERS ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES NEAR TREES.
4. BARRIERS ARE TO REMAIN IN PLACE UNTIL ALL PAVING, CONSTRUCTION, AND HEAVY EQUIPMENT ARE REMOVED FROM THE AREA.
5. FOR SINGULAR PALM TREES AND TREES FROM 1" TO 8" DBH.
6. FOR LARGER TREES LARGER THAN 8" DBH AND TREE CLUSTERS THAT NEED BARRIERS.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	TREE PROTECTION FENCE BARRIERS DETAIL	DATE 12/15/15 · INDEX G-02 · SCALE N.T.S. · SHEET 1 OF 1



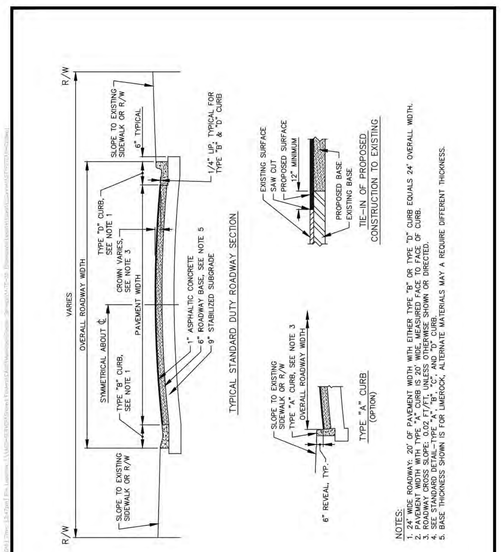
NOTES:
1. BACKFILL SHALL BE OF SUITABLE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. BACKFILL MATERIAL SHALL CONSIST OF EARTH, LOAM, SANDY CLAY, GRAVEL OR OTHER APPROVED MATERIAL.
2. IF TRENCH BOTTOM CONTAINS ROCK, THEN A MINIMUM OF A 6" PIPE BEDDING SHALL BE USED.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	UNPAVED AREA TRENCH BACKFILL DETAIL	DATE 12/15/15 · INDEX G-04 · SCALE N.T.S. · SHEET 1 OF 1



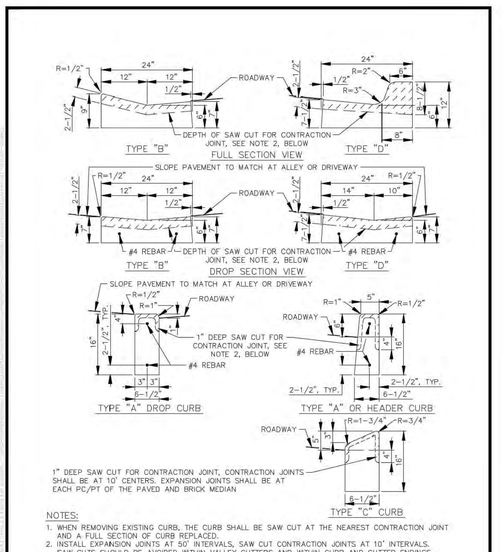
NOTES:
1. BACKFILL SHALL BE OF SUITABLE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. BACKFILL MATERIAL SHALL CONSIST OF EARTH, LOAM, SANDY CLAY, GRAVEL OR OTHER APPROVED MATERIAL. REFER TO TECHNICAL SPECIFICATIONS FOR DETAIL REQUIREMENTS.
2. IF TRENCH BOTTOM CONTAINS ROCK, THEN A MINIMUM OFA 6" PIPE BEDDING SHALL BE USED.
3. R.O.W. PERMIT STIPULATIONS OVERRIDE THIS DETAIL WHERE TRENCH IS LOCATED WITHIN A COUNTY R.O.W.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	PAVED AREA TRENCH RESTORATION DETAIL FOR PRIVATE ROADS	DATE 12/15/15 · INDEX G-05 · SCALE N.T.S. · SHEET 1 OF 1



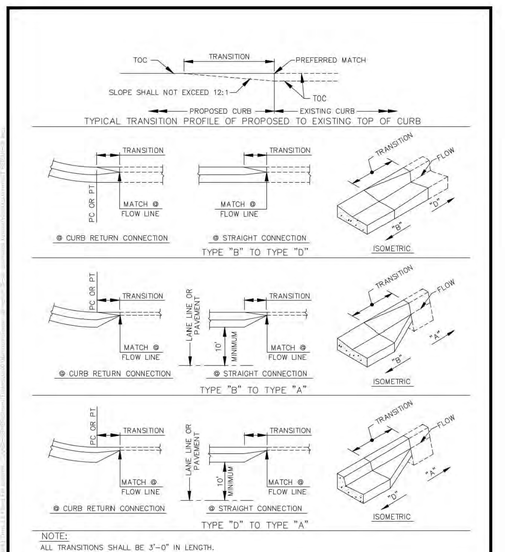
NOTES:
1. 24' WIDE ROADWAY; 20' OF PAVEMENT WIDTH WITH EITHER TYPE "B" OR TYPE "D" CURB EQUALS 24' OVERALL WIDTH.
2. PAVEMENT WIDTH WITH TYPE "A" CURB IS 20' WIDE MEASURED FACE TO FACE OF CURB.
3. SEE "CURB TRANSITIONS DETAIL" FOR TRANSITIONS BETWEEN "A", "B", "C", AND "D" CURBS.
4. SEE "STANDARD DETAIL-TYPE "A", "B", "C", AND "D" CURB".
5. BASE THICKNESS SHOWN IS FOR LIMEROCK, ALTERNATE MATERIALS MAY A REQUIRE DIFFERENT THICKNESS.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	STANDARD DUTY ROADWAY DETAIL	DATE 12/15/15 · INDEX R-02 · SCALE N.T.S. · SHEET 1 OF 1



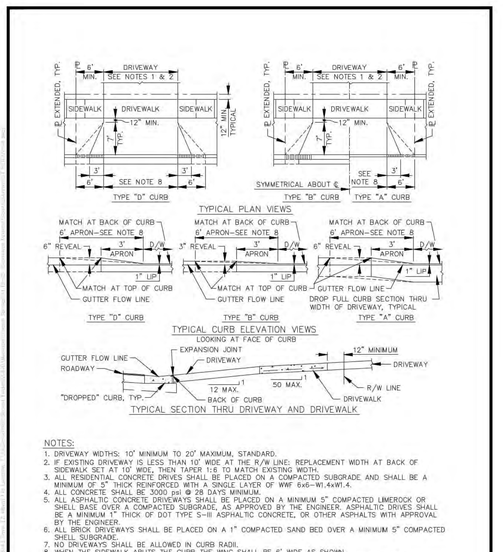
NOTES:
1. WHEN REMOVING EXISTING CURB, THE CURB SHALL BE SAW CUT AT THE NEAREST CONTRACTION JOINT AND A FULL SECTION OF CURB REPLACED.
2. INSTALL EXPANSION JOINTS AT 50' INTERVALS. SAW CUT CONTRACTION JOINTS AT 10' INTERVALS. SAW CUTS SHOULD BE AVOIDED WITHIN VALLEY GUTTERS AND WITHIN CURB AND GUTTER ENDINGS.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	TYPE "A", "B", "C", AND "D" CURB DETAIL	DATE 12/15/15 · INDEX R-05 · SCALE N.T.S. · SHEET 1 OF 1



NOTE:
ALL TRANSITIONS SHALL BE 3'-0" IN LENGTH.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	CURB TRANSITIONS DETAIL	DATE 12/15/15 · INDEX R-06 · SCALE N.T.S. · SHEET 1 OF 1



NOTES:
1. DRIVEWAY WIDTHS: 10' MINIMUM TO 20' MAXIMUM, STANDARD.
2. IF EXISTING DRIVEWAY IS LESS THAN 10' WIDE AT THE R/W LINE; REPLACEMENT WIDTH AT BACK OF SIDEWALK SET AT 10' WIDE, THEN TAPER 1:6 TO MATCH EXISTING WIDTH.
3. ALL RESIDENTIAL CONCRETE DRIVES SHALL BE PLACED ON A COMPACTED SUBGRADE AND SHALL BE A MINIMUM OF 5" THICK REINFORCED WITH A SINGLE LAYER OF WWF 6x6-W1.4xW1.4.
4. ALL CONCRETE SHALL BE 3000 psi @ 28 DAYS MINIMUM.
5. ALL ASPHALTIC CONCRETE DRIVEWAYS SHALL BE PLACED ON A MINIMUM 5" COMPACTED LIMEROCK OR SHELL BASE OVER A COMPACTED SUBGRADE, AS APPROVED BY THE ENGINEER. ASPHALTIC DRIVES SHALL BE A MINIMUM 1" THICK OF DOT TYPE S-III ASPHALTIC CONCRETE, OR OTHER ASPHALTS WITH APPROVAL BY THE ENGINEER.
6. ALL BRICK DRIVEWAYS SHALL BE PLACED ON A 1" COMPACTED SAND BED OVER A MINIMUM 5" COMPACTED SHELL SUBGRADE.
7. NO DRIVEWAYS SHALL BE ALLOWED IN CURB RADII.
8. WHEN THE SIDEWALK ABUTS THE CURB THE WING SHALL BE 6' WIDE AS SHOWN.
9. FOR DROPPED CURB REQUIREMENTS, SEE STANDARD DETAIL-TYPE "A", "B", "C", AND "D" CURB.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	RESIDENTIAL DRIVEWAY CONSTRUCTION DETAIL	DATE 12/15/15 · INDEX R-08 · SCALE N.T.S. · SHEET 1 OF 1

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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NO.	DATE	BY	REVISIONS
1	09/13/2021	BDM	FDP RESUBMITTAL
2	10/14/2021	BDM	SWFWMD COMMENTS

Kimley»Horn
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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

CITY OF TARPON SPRINGS
CONSTRUCTION DETAILS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C500

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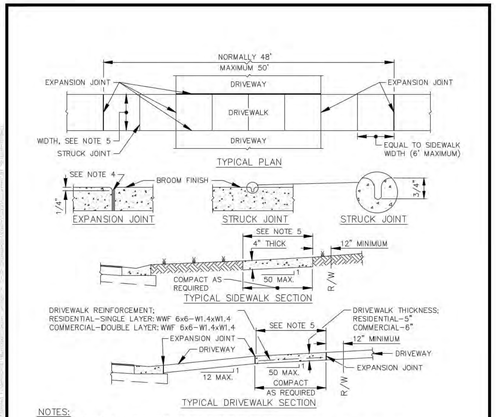
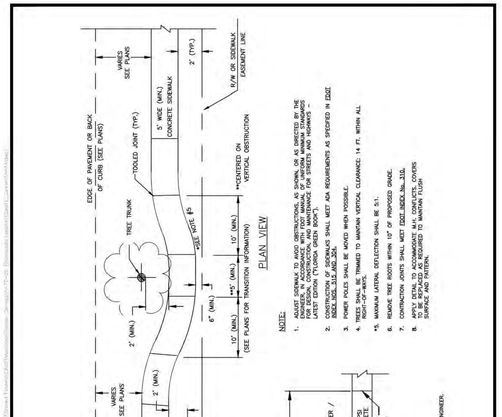
Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD Work\PlanSheets\C500 - CITY OF TARPON SPRINGS CONSTRUCTION DETAILS.dwg C500 Nov 02, 2021 3:50pm by: haley.skinner

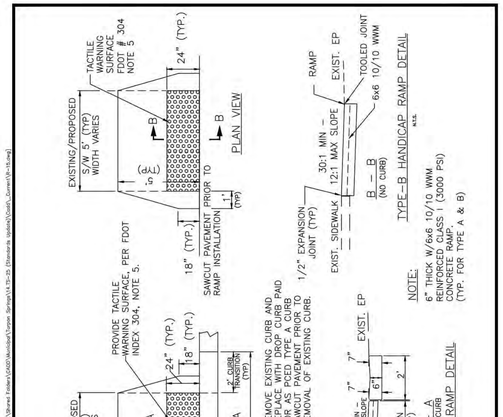


NOTES:
1. SIDEWALKS SHALL BE CONCRETE AND HAVE TOOLED EDGES.
2. RESTORATION AND UTILITY CUTS SHALL BE A MINIMUM FULL PANEL BETWEEN EXISTING JOINTS.
3. EXPANSION JOINTS SHALL BE INSTALLED WHERE SHOWN AND AT 50' MAXIMUM SPACING.
4. EXPANSION JOINTS SHALL CONSIST OF CONTINUOUS 1/2"x6" MINIMUM, BITUMINOUS EXPANSION STRIP.
5. SIDEWALKS SHALL CONFORM TO CITY CODE AS FOLLOWS: SIDEWALKS SHALL BE REQUIRED ON BOTH SIDES OF ALL MAJOR ARTERIAL AND COLLECTOR STREETS; ON THE NORTH AND WEST SIDES OF OF ALL LOCAL STREETS, COMMERCIAL SERVICE STREET; AND LOCAL STREETS LEADING TO SCHOOLS, PARKS, SHOPPING CENTERS, CHURCHES, AND OTHER PUBLIC FACILITIES. SIDEWALK WIDTHS SHALL BE NOT LESS THAN THE FOLLOWING:
   A–6' ALONG ARTERIAL AND COLLECTOR ROADWAYS.
   B–4' ALONG ROADWAYS NOT DESIGNATED ON TRAFFIC CORRIDORS MAP, IN RESIDENTIAL AND INDUSTRIAL ZONES.*
   C–5' ALONG ROADWAYS NOT DESIGNATED ON THE TRAFFIC CORRIDORS MAP, IN COMMERCIAL AND OFFICE ZONES.*
   D–4' FOR PEDESTRIAN CROSSWALKS.
   E–12' FOR PEDESTRIAN/BICYCLE JOINT USE.
   *–ALL SIDEWALKS ABUTTING CURBS SHALL BE 6' WIDE, MINIMUM.

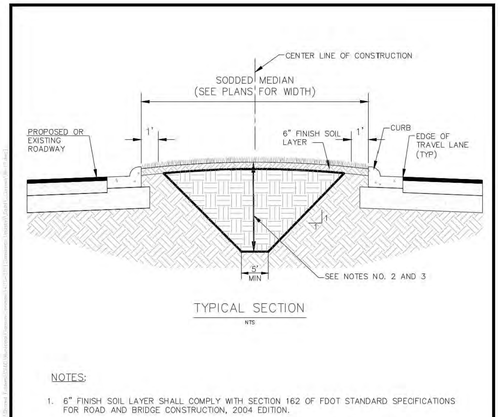
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	SIDEWALK AND DRIVEWALK CONSTRUCTION DETAIL	DATE 12/15/15 · INDEX R-10 · SCALE N.T.S. · SHEET 1 OF 1



CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	GUIDELINES FOR SIDEWALK ALIGNMENT	DATE 12/15/15 · INDEX R-14 · SCALE N.T.S. · SHEET 1 OF 1



CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	TYPE "A" AND "B" HANDICAP RAMP DETAIL	DATE 12/15/15 · INDEX R-15 · SCALE N.T.S. · SHEET 1 OF 1



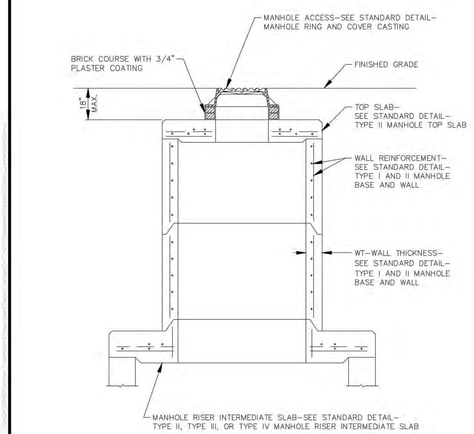
NOTES:
1. 6" FINISH SOIL LAYER SHALL COMPLY WITH SECTION 162 OF FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.
2. REMOVE UNSUITABLE MATERIAL (EXISTING PAVEMENTS, ROADWAY BASE, LIMEROCK, MILLINGS AND OTHER DEBRIS), TO A MINIMUM DEPTH OF 4'–0" BELOW FINISHED GRADE IN MEDIAN AREAS. MEDIAN FILL SOIL, FOR AREAS THAT ARE EXCAVATED, SHALL BE NATIVE SITE SOILS APPROVED BY THE ENGINEER. IN THE ABSENCE OF SUFFICIENT NATIVE SITE SOILS, REPLACEMENT FILL SHALL BE SUITABLE FOR PLANT GROWTH AND APPROVED BY THE ENGINEER. EXCAVATION AND REPLACEMENT SOIL SHALL BE INCLUDED IN PAY ITEM FOR "EXCAVATION OF UNSUITABLE MATERIAL"
3. DO NOT DISTURB EXISTING MEDIAN SOILS EXCEPT TO REMOVE EXISTING UNSUITABLE MATERIALS LISTED IN NOTE NO. 2, OR TO CONSTRUCT PROPOSED IMPROVEMENTS.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	MEDIAN SOIL; COMPOSITION AND DEPTH	DATE 12/15/15 · INDEX R-17 · SCALE N.T.S. · SHEET 1 OF 1

NOTES FOR STORM STRUCTURES

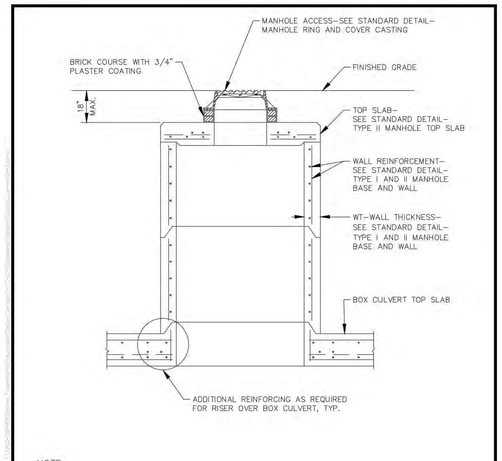
1. ALL PIPE STUBS FROM STRUCTURES FOR FUTURE CONNECTIONS, SHALL BE INSTALLED WITH REMOVABLE WATERTIGHT PLUGS, PLACED FROM WITHIN THE STRUCTURE.
2. FOR APPLICABLE RING AND COVER, SEE STANDARD DETAIL–MANHOLE RING AND COVER CASTING.
3. STORM STRUCTURES SHALL NOT HAVE OUTSIDE DROP CONNECTIONS.
4. PROVIDE MINIMUM 8" SOLID WALL BETWEEN ALL OPENINGS FOR PIPES. SEAL BETWEEN PIPE AND STRUCTURE WITH NON SHRINK GROUT.
5. ALL BRICK SHALL BE CONCRETE OR CLAY BRICK AND SHALL HAVE A MINIMUM 3/4" CEMENT PLASTER COATING ON ALL SURFACES.
6. BENCH SHALL SLOPE @ 1:12 MINIMUM.
7. PRECAST AND CAST–IN–PLACE MANHOLES, CATCH BASINS, AND GRATE INLETS ARE DESIGNED FOR A MAXIMUM DEPTH OF 12 FEET, STRUCTURES IN EXCESS OF 12 FEET, AS MEASURED FROM THE FINISHED GRADE TO THE INSIDE OF THE BASE SLAB, SHALL REQUIRE VERIFICATION OF THE STRUCTURAL DESIGN AND SPECIFIC MODIFICATIONS TO THE REINFORCING REQUIREMENTS FOR THE DEPTH REQUIRED.
8. PRIOR TO PRECASTING STRUCTURES THE PRECASTER SHALL SUBMIT SITE SPECIFIC INDIVIDUAL SHOP DRAWINGS FOR APPROVAL. SHOP DRAWINGS SUBMITTED FOR NON–STANDARD STRUCTURES OR STRUCTURES THAT DEVIATE FROM THE STANDARD DETAILS MUST BE DESIGNED AND CERTIFIED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
9. PRECAST MANHOLES SHALL CONSIST OF A LIMITED NUMBER OF SECTIONS, AS APPROVED BY THE ENGINEER.
10. ALL PRECAST STRUCTURES SHALL HAVE AN INTEGRAL FLOOR AND BASE RISER SECTION.
11. SEE STANDARD DETAIL–PRECAST STRUCTURE JOINT ASSEMBLY AND STRUCTURE SEALING.
12. ALL EXPOSED EDGES TO HAVE 3/4" CHAMFER.
13. ALL REINFORCING STEEL SHALL HAVE A MINIMUM 2" CONCRETE COVER, UNLESS NOTED ELSEWHERE.
14. ADDITIONAL REINFORCEMENT IS REQUIRED IN ALL TYPE CATCH BASIN WALLS, GRATE INLETS, AND TYPE II, III, IV, AND TYPE V MANHOLE WALLS WITH OPENINGS FOR PIPE OR CULVERT. THE VERTICAL AND HORIZONTAL WALL REINFORCEMENT DISPLACED DUE TO OPENINGS SHALL BE REPLACED WITH ADDITIONAL REINFORCEMENT BARS ABOVE, BELOW, AND ON BOTH SIDES OF OPENING, EQUAL IN AREA TO THOSE DISPLACED. REPLACEMENT REINFORCEMENT SHALL BE PLACED WITH 3" CLEARANCE TO THE EDGES OF OPENINGS.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	STORM STRUCTURE NOTES	DATE 12/15/15 · INDEX D-01 · SCALE N.T.S. · SHEET 1 OF 1



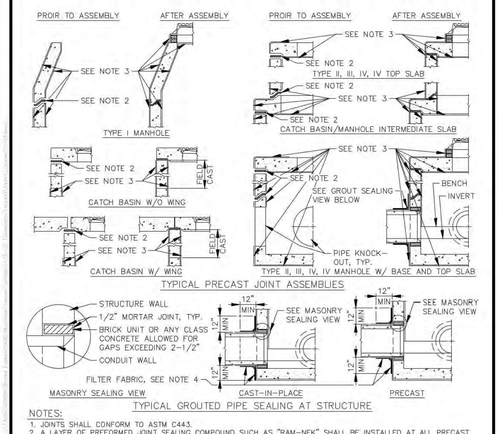
NOTE:
1. GENERAL NOTES, SEE STANDARD DETAIL–STORM STRUCTURE NOTES.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	PRECAST MANHOLE RISER DETAIL	DATE 12/15/15 · INDEX D-02 · SCALE N.T.S. · SHEET 1 OF 1



NOTE:
1. GENERAL NOTES, SEE STANDARD DETAIL–STORM STRUCTURE NOTES.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	PRECAST MANHOLE RISER FOR BOX CULVERT DETAIL	DATE 12/15/15 · INDEX D-03 · SCALE N.T.S. · SHEET 1 OF 1



NOTES:
1. JOINTS SHALL CONFORM TO ASTM C443.
2. A LAYER OF PREFORMED JOINT SEALING COMPOUND SUCH AS "RAM–NEK" SHALL BE INSTALLED AT ALL PRECAST STRUCTURE JOINTS AND STRUCTURE TOP AND CATCH BASIN LID PEDESTALS PRIOR TO ASSEMBLY.
3. ONE COAT OF PROTECTIVE SEALER SHALL BE APPLIED TO THE EXTERIOR AND INTERIOR OF ALL PRECAST, CAST–IN–PLACE, AND BRICK STRUCTURES. THE EXTERIOR COATING SHALL COVER FROM THE BOTTOM OF THE BASE UPTO AND INCLUDING BRICK GRADE RINGS FOR THE COVER CASTING. THE INTERIOR COATING SHALL COVER FROM THE BENCH UPTO AND INCLUDING THE BOTTOM OF THE TOP SLAB, EXCLUDING CATCH BASIN COVER AND WING COVER(S). THE BOTTOM SLAB MAY ALSO BE EXCLUDED AT THE CONTRACTORS OPTION.
   THE CONTRACTOR SHALL TOUCH UP THOSE PLACES DISTURBED DURING ASSEMBLY AND THOSE CAST–IN–PLACE PORTIONS OF CATCH BASINS PRIOR TO ACCEPTANCE AND BACK FILLING.
   THE SEALER SHALL BE COAL TAR EPOXY SUCH AS "CARBOLINE" 300–M OR APPROVED EQUAL, WITH A DRY FILM THICKNESS OF 9 mils.
4. FILTER FABRIC SHALL BE MIRAFI 140–N, OR APPROVED EQUAL. FILTER FABRIC IS TO BE PLACED IN A BEDDING OF BITUMINOUS MASTIC AND APPLIED AS PER FDOT DESIGN STANDARDS INDEX NO. 201.
5. FOR ADDITIONAL NOTES, SEE STANDARD DETAIL–STORM STRUCTURE NOTES.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	PRECAST STRUCTURE JOINT ASSEMBLY AND STRUCTURE SEALING DETAIL	DATE 12/15/15 · INDEX D-04 · SCALE N.T.S. · SHEET 1 OF 1

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

CITY OF TARPON SPRINGS CONSTRUCTION DETAILS

MORGAN ANCLOTE HARBOR TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C501

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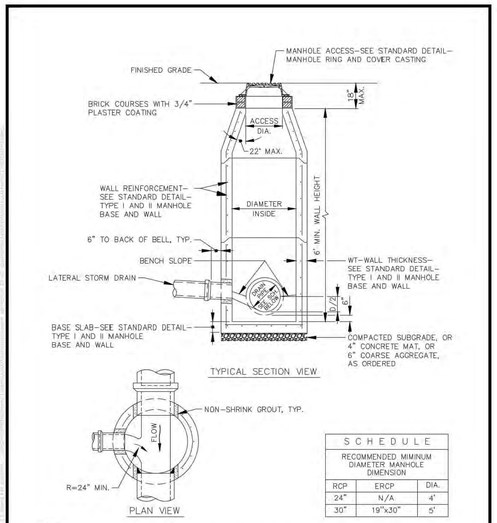
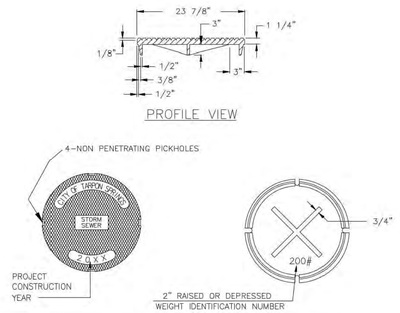


SCHEDULE		
RECOMMENDED MIMINUM DIAMETER MANHOLE DIMENSION		
RCP	ERCP	DIA.
24"	N/A	4'
30"	19"x30"	5'

NOTE:
FOR GENERAL NOTES, SEE STANDARD DETAIL–STORM STRUCTURE NOTES.

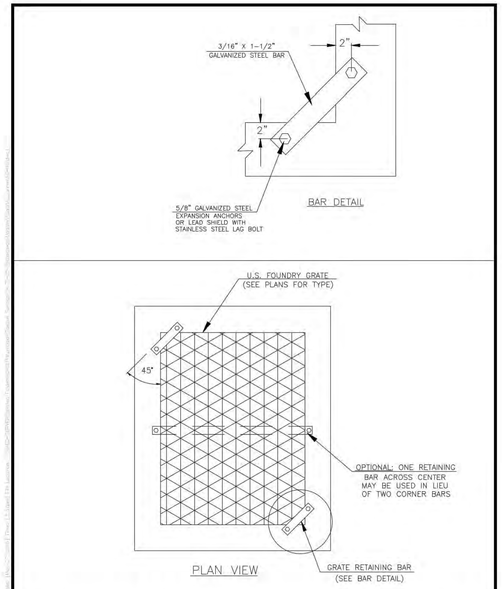
CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	PRECAST STORM MANHOLE TYPE I DETAIL	DATE 12/15/15 INDEX D-05 SCALE N.T.S. SHEET 1 OF 1



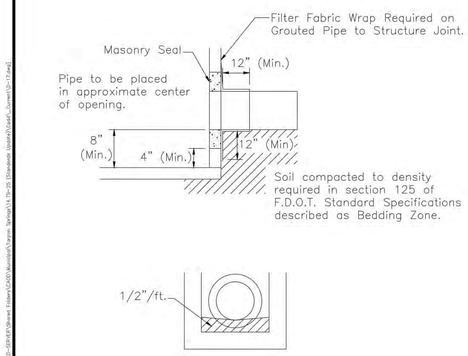
NOTES:

1. THIS COVER IS NOT TO BE USED FOR SANITARY SEWER MANHOLES.
2. THIS COVER MAY BE USED WITH FRAME TYPE I, II OR III AS DETAILED IN FDOT INDEX No. 201. THE ACTUAL FRAME TO BE USED SHALL BE AS SPECIFIED IN THE PLANS.
3. MATERIALS AND FABRICATION SHALL CONFORM TO SECTION 425 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. COVERS FOR UNDERDRAIN CLEANOUTS SHALL BE LABELED UNDERDRAIN AND NOT STORM SEWER.
5. COVERS SHALL BE U.S.F. TYPE X OR EQUAL. (200 LBS. MINIMUM)

CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	STORM SEWER COVER	DATE 12/15/15 INDEX D-09 SCALE N.T.S. SHEET 1 OF 1



CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	GRATE RETAINING BAR	DATE 12/15/15 INDEX D-16 SCALE N.T.S. SHEET 1 OF 1



Note: Grout to consist of 3:1 Sand–Cement Mixture or any Class Concrete. FOR ALL STRUCTURES UNLESS EXCLUDED BY SPECIAL DETAIL.

CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	FILTER FABRIC WRAP AND GROUT AT STRUCTURES	DATE 12/15/15 INDEX D-17 SCALE N.T.S. SHEET 1 OF 1

§ 127.06 - Parking lot traffic control signage and lighting design standards.

(A) The design for parking lot traffic control signage shall be as shown in Figure 1 below and shall meet the following standards:

(1) Sign posts shall be black or dark green in color.
(2) Sign posts shall be round or fluted in shape.
(3) Sign posts shall be at least three inches in diameter.
(4) Sign posts shall have a round or fluted decorative base.
(5) Signs shall have a black or dark green boarder of at least one inch in width. Signs identifying individual parking spaces are exempt from this requirement.



Figure 1

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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NO.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

CITY OF TARPON SPRINGS
CONSTRUCTION DETAILS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C502

Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD\Work\PlanSheets\C500 – CITY OF TARPON SPRINGS CONSTRUCTION DETAILS.dwg C502 Nov 02, 2021 3:50pm by: haley.skinner
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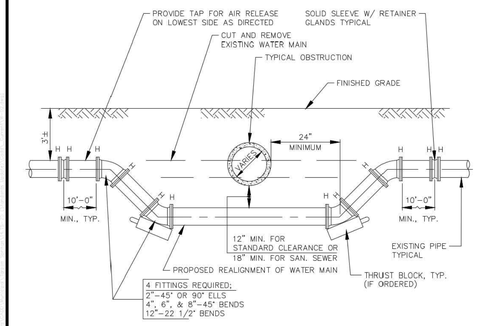
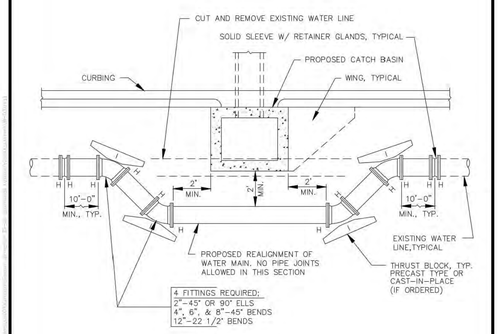
1. ALL PRESSURE PIPE MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AS SHOWN HEREIN, OR AS DIRECTED BY THE ENGINEER.
2. PIPE JOINT DEFLECTION SHALL NOT EXCEED 75% OF THE PIPE MANUFACTURE REQUIREMENTS.
3. THE CONTRACTOR SHALL ADJUST PIPELINE ALIGNMENTS HORIZONTALLY AND/OR VERTICALLY AS REQUIRED TO AVOID CONFLICTS WITH ACTUAL FIELD CONDITIONS AS UNCOVERED DURING CONSTRUCTION. FIELD ADJUSTMENTS SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
4. PRESSURE PIPE CLEARANCES SHALL BE AS FOLLOWS:
   A) POTABLE WATER MAINS IN PARALLEL INSTALLATIONS SHALL MAINTAIN A MINIMUM 10 FEET OUTSIDE TO OUTSIDE HORIZONTAL CLEARANCE FROM ALL SANITARY SEWERS, STORM DRAINS, AND FORCE MAINS.
   B) POTABLE WATER MAINS WHERE CROSSING SHALL MAINTAIN A MINIMUM OF 18 INCHES OUTSIDE TO OUTSIDE VERTICAL CLEARANCE FROM ALL SANITARY SEWERS, STORM DRAINS, AND FORCE MAINS.
   C) POTABLE WATER MAINS SHALL MAINTAIN A MINIMUM OF 5 FOOT CENTER TO CENTER HORIZONTAL CLEARANCE OR 3 FOOT OUTSIDE TO OUTSIDE HORIZONTAL CLEARANCE AND 18 INCHES OUTSIDE TO OUTSIDE VERTICAL CLEARANCE FROM RECLAIMED WATER MAINS.
5. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP EXCAVATIONS DRY AND SHALL PROVIDE ALL SHORING, SHEETING, AND BRACING NECESSARY TO PROTECT WORKMEN, ADJACENT STRUCTURES, UTILITIES, EXISTING PAVEMENT, OR TO MINIMIZE TRENCH WIDTH AT NO ADDITIONAL COST TO THE CITY.
6. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER REGARDING SHUTTING DOWN WATER MAINS. PROPER AND ADEQUATE NOTIFICATION MUST BE MADE TO PROPERTY OWNERS, BUT IN NO CASE SHALL LESS THAN 24 HOURS WRITTEN NOTICE BE GIVEN.
7. THE OPENING AND/OR CLOSING OF EXISTING VALVES OR NEW VALVES INSTALLED IN PRESSURE PIPE SYSTEMS SHALL BE BY A CITY SANITARIAN AFTER COORDINATION WITH THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE NECESSARY EQUIPMENT AND LABOR TO MAKE TAPS IN PRESSURE PIPE MAINS WHERE TAPPING SLEEVES AND VALVES ARE SHOWN ON THE PLANS.
9. ALL NEW DUCTILE IRON PRESSURE PIPE, FITTINGS, AND VALVE BODIES SHALL BE WRAPPED IN POLYETHYLENE IN ACCORDANCE WITH ANSI/AWWA C105.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING POTABLE AND RE-CLAIMED SERVICE LINES UNDER PAVEMENT OR ELSEWHERE IN THE CONSTRUCTION ZONE. REPLACE SERVICE LINES WHERE SHOWN OR DIRECTED BY THE ENGINEER. ALL RELOCATED SERVICE LINES SHALL BE RE-LOCATED SO THAT THE METER ASSEMBLY WILL NOT BE IN AN ALLEY, DRIVEWAY, OR OTHER VEHICULAR TRAVEL PATH.
11. ALL EXISTING POTABLE AND/OR RECLAIMED WATER SERVICE LINES SHALL BE TRANSFERRED TO THE NEW MAIN, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
12. MAINTAIN A MINIMUM COVER OF 36 INCHES UNDER ROADWAYS, ALLEYS, AND DRIVEWAYS. MAINTAIN A MINIMUM OF 30 INCHES OF COVER IN SODDED AND LANDSCAPED AREAS.
13. THRUST BLOCKING SHALL NOT BE USED, UNLESS ORDERED BY THE ENGINEER. HARNESSED PIPE JOINTS SHALL BE USED. THE LENGTH OF HARNESSED JOINTS SHALL BE AS SHOWN ON THE PLANS.
14. SANITARY SEWER FORCE MAINS SHALL NOT USE GREATER THAN 45° BENDS FOR OFFSETS OR REALIGN-MENT OF THE FORCE MAIN. THE 45° BENDS SHALL HAVE A MINIMUM OF 5 FEET BETWEEN THEM, WHEN POSSIBLE.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	NOTES FOR PRESSURE PIPE	DATE 12/15/15 · INDEX W-01 · SCALE N.T.S. · SHEET 1 OF 1



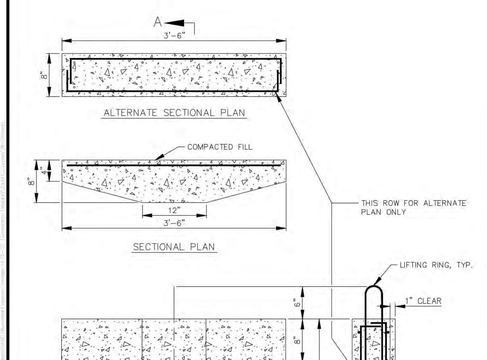
NOTES:
1. FOR 2" THROUGH 12" WATER MAIN.
2. ALL PIPE SHALL BE CUT AND PARTIALLY ASSEMBLED PRIOR TO THE CITY AUTHORIZING SHUTDOWN OF EXISTING MAIN(S) FOR TIE-IN.
3. SHUTDOWN PERIOD SHALL NOT EXCEED THREE (3) HOURS.
4. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED CITY CUSTOMERS PRIOR TO SHUTDOWN.
5. THE CONTRACTOR SHALL SWAB NEW PIPE AND FITTINGS WITH CHLORINE SOLUTION, AS DIRECTED.
6. H = HARNESSED JOINT. (MECHANICAL JOINT W/ D.I. RETAINER GLAND) (NOT APPLICABLE FOR 2" PIPE)
7. VERTICAL ADJUSTMENT MAY BE OVER AN OBSTRUCTION, IF MINIMUM PIPE COVER AND BOTTOM CLEARANCES ARE AVAILABLE.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	WATER MAIN VERTICAL ADJUSTMENT DETAIL	DATE 12/15/15 · INDEX W-02 · SCALE N.T.S. · SHEET 1 OF 1



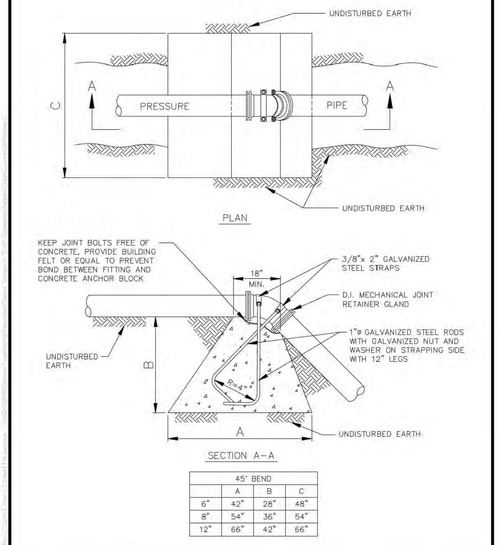
NOTES:
1. FOR WATER PIPELINES 2" THROUGH 12".
2. ALL PIPE SHALL BE CUT AND PARTIALLY ASSEMBLED PRIOR TO THE CITY AUTHORIZING SHUTDOWN OF EXISTING MAIN(S) FOR TIE-IN.
3. SHUTDOWN PERIOD SHALL NOT EXCEED THREE (3) HOURS.
4. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED CITY CUSTOMERS PRIOR TO SHUTDOWN.
5. THE CONTRACTOR SHALL SWAB NEW PIPE AND FITTINGS WITH CHLORINE SOLUTION.
6. H = HARNESSED JOINT. (MECHANICAL JOINT W/ D.I. RETAINER GLAND) (NOT APPLICABLE FOR 2" PIPE)

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	WATER MAIN HORIZONTAL ADJUSTMENT DETAIL	DATE 12/15/15 · INDEX W-03 · SCALE N.T.S. · SHEET 1 OF 1



NOTES:
1. BLOCK MAY BE TAPERED OR STRAIGHT, AT THE CONTRACTOR'S OPTION.
2. REINFORCEMENT TO BE : # 4 @ 6" E/W.
3. FLAT SIDE OF THRUST BLOCK SHALL BE PLACED AGAINST SOIL COMPACTED TO 100 % DENSITY.
4. USE WHERE SPECIFIED AND/OR ORDERED. 4" THRU 10" PRESSURE PIPE ONLY.

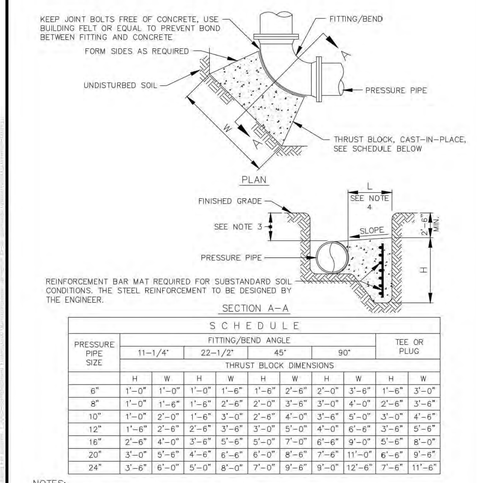
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	PRECAST CONCRETE THRUST BLOCK DETAIL	DATE 12/15/15 · INDEX W-04 · SCALE N.T.S. · SHEET 1 OF 1



SECTION A-A

45° BEND			
	A	B	C
6"	42"	28"	48"
8"	54"	36"	54"
12"	66"	42"	66"

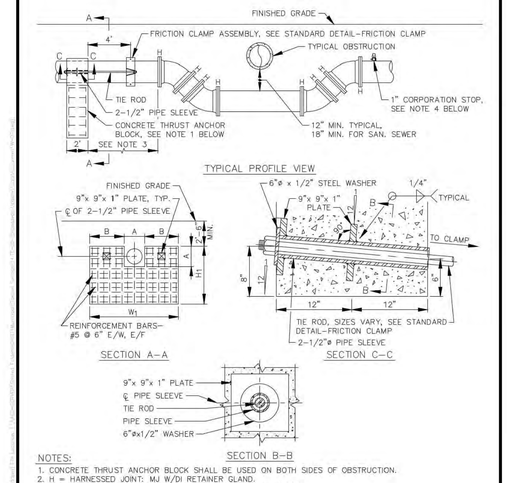
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	CAST-IN-PLACE VERTICAL THRUST ANCHOR DETAIL	DATE 12/15/15 · INDEX W-05 · SCALE N.T.S. · SHEET 1 OF 1



SCHEDULE											
PRESSURE PIPE SIZE	FITTING/BEND ANGLE								TEE OR PLUG		
	11-1/4°		22-1/2°		45°		90°				
	THRUST BLOCK DIMENSIONS										
	H	W	H	W	H	W	H	W	H	W	
6"	1'-0"	1'-0"	1'-0"	1'-6"	1'-6"	2'-6"	2'-0"	3'-6"	1'-6"	3'-0"	
8"	1'-0"	1'-6"	1'-6"	2'-6"	2'-0"	3'-6"	3'-0"	4'-0"	2'-6"	3'-6"	
10"	1'-0"	2'-0"	1'-6"	3'-0"	2'-6"	4'-0"	3'-6"	5'-0"	3'-0"	4'-6"	
12"	1'-6"	2'-6"	2'-6"	3'-6"	3'-0"	5'-0"	4'-0"	6'-6"	3'-6"	5'-6"	
16"	2'-6"	4'-0"	3'-6"	5'-6"	5'-0"	7'-0"	6'-6"	9'-0"	5'-6"	8'-0"	
20"	3'-0"	5'-6"	4'-6"	6'-6"	6'-0"	8'-6"	7'-6"	11'-0"	6'-6"	9'-6"	
24"	3'-6"	6'-0"	5'-0"	8'-0"	7'-0"	9'-6"	9'-0"	12'-6"	7'-6"	11'-6"	

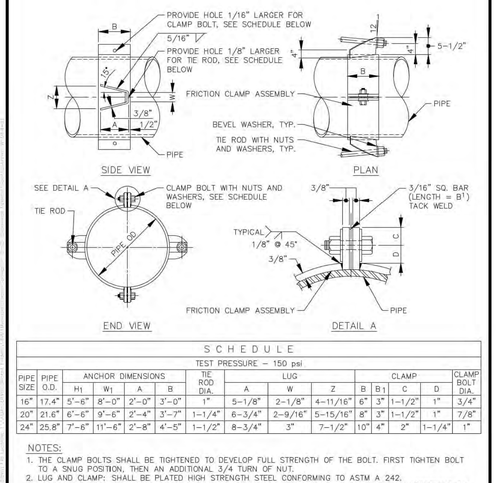
NOTES:
1. TEST PRESSURE FOR 6" THROUGH 12" IS 100 psi.
2. TEST PRESSURE FOR 16" THROUGH 24" IS 150 psi.
3. THRUST BLOCKS ARE DESIGNED FOR A MINIMUM 3' OF COVER OVER THE PIPE. IF LESS COVER EXISTS, BLOCKS SHALL BE ENLARGED AS DIRECTED BY THE ENGINEER.
4. L = 3' MINIMUM, POUR TO UNDISTURBED SOIL.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	CAST-IN-PLACE HORIZONTAL THRUST BLOCK DETAIL	DATE 12/15/15 · INDEX W-06 · SCALE N.T.S. · SHEET 1 OF 1



NOTES:
1. CONCRETE THRUST ANCHOR BLOCK SHALL BE USED ON BOTH SIDES OF OBSTRUCTION.
2. H = HARNESSED JOINT: MJ W/DI RETAINER GLAND.
3. HARNESS ALL JOINTS WITH-IN 20' OF THRUST ANCHOR BLOCK.
4. PROVIDE AIR RELEASE VALVE ON LOWEST SIDE.
5. ALL BOLTS, WASHERS, RODS, PLATES, PIPE SLEEVES, AND FRICTION CLAMP ASSEMBLIES SHALL BE HOT DIPPED GALVANIZED PRIOR TO INSTALLATION.
6. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED CITY CUSTOMERS PRIOR TO SHUTDOWN.
7. FOR ADDITIONAL NOTES, SEE STANDARD DETAIL-FRICTION CLAMP.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	THRUST ANCHOR BLOCK FOR VERTICAL BENDS DETAIL	DATE 12/15/15 · INDEX W-07 · SCALE N.T.S. · SHEET 1 OF 1



SCHEDULE													
TEST PRESSURE - 150 psi													
PIPE SIZE	PIPE O.D.	ANCHOR DIMENSIONS				TIE ROD DIA.	LUG			CLAMP				CLAMP BOLT DIA.
		H1	W1	A	B		A	W	Z	B	B1	C	D	
16"	17.4"	5'-6"	8'-0"	2'-0"	3'-0"	1"	5-1/8"	2-1/8"	4-11/16"	6"	3"	1-1/2"	1"	3/4"
20"	21.6"	6'-6"	9'-6"	2'-4"	3'-7"	1-1/4"	6-3/4"	2-9/16"	5-15/16"	8"	3"	1-1/2"	1"	7/8"
24"	25.8"	7'-6"	11'-6"	2'-8"	4'-5"	1-1/2"	8-3/4"	3"	7-1/2"	10"	4"	2"	1-1/4"	1"

NOTES:
1. THE CLAMP BOLTS SHALL BE TIGHTENED TO DEVELOP FULL STRENGTH OF THE BOLT. FIRST TIGHTEN BOLT TO A SNUG POSITION, THEN AN ADDITIONAL 3/4 TURN OF NUT.
2. LUG AND CLAMP: SHALL BE PLATED HIGH STRENGTH STEEL CONFORMING TO ASTM A 242.
3. TIE ROD, CLAMP BOLTS, PLATES, AND WASHERS: SHALL BE HIGH STRENGTH STEEL SHALL CONFORMING TO ASTM A 325.
4. PIPE SLEEVE: SCHEDULE 80.
5. TIE ROD, CLAMP BOLTS, PIPE SLEEVES, AND WASHERS SHALL BE GALVANIZED AS PER ASTM A 153.
6. CLAMP, AND PLATES SHALL BE GALVANIZED AS PER ASTM A 123.
7. THE CONTRACTOR SHALL TOUCH-UP ANY MISSING GALVANIZING, PRIOR TO ACCEPTANCE AND BACK FILLING.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	FRICTION CLAMP DETAIL	DATE 12/15/15 · INDEX W-08 · SCALE N.T.S. · SHEET 1 OF 1

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

CITY OF TARPON SPRINGS
WATER DETAILS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C510

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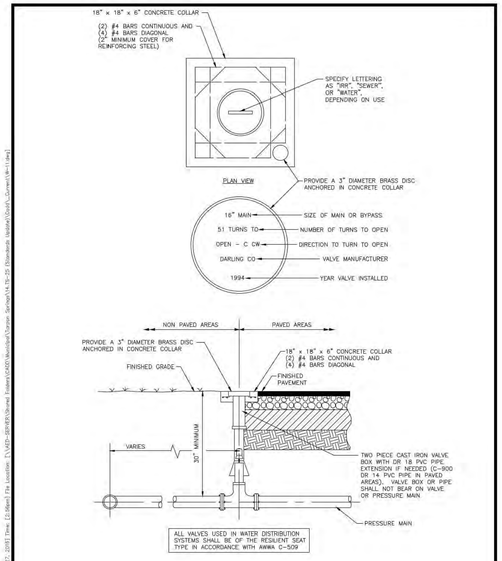
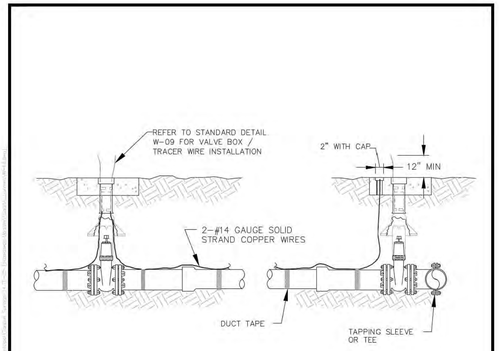
Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD Work\PlanSheets\C510 - CITY OF TARPON SPRINGS WATER DETAILS.dwg C510 Nov 02, 2021 3:51pm by: haley.skinner

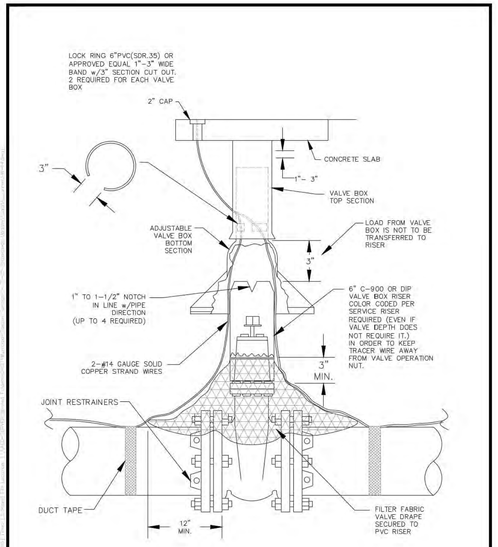


CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	TYPICAL VALVE SETTING DETAIL	DATE 12/15/15 · INDEX W-11 · SCALE N.T.S. · SHEET 1 OF 1

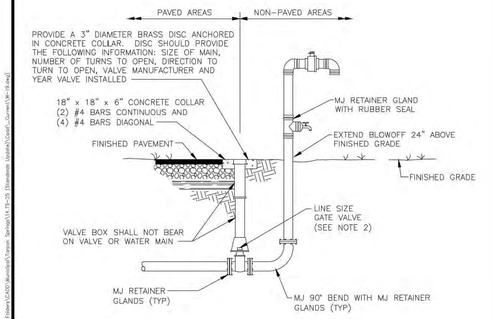


NOTES:
1. USE 2, #14 GAUGE, SOLID COPPER STRAND WIRE WITH COLOR CODED INSULATION PER SERVICE.
2. THERE IS TO BE SUFFICIENT SLACK IN TRACER WIRE TO EXTEND A MIN. OF 12" ABOVE VALVE BOX.
3. WIRE IS TO CONTINUE THROUGH TEES ON MAIN LINE WHERE NO VALVES EXIST.
4. ATTACH WIRE TO TOP CENTER LINE OF MAIN USING DUCT TAPE OR APPROVED EQUAL @ 5'– 0" INTERVALS.
5. DUMMY BOXES ARE TO BE INSTALLED WHERE NEW CONSTRUCTION TIES INTO EXISTING, AND ON FIRE LINES WITH DOUBLE CHECK VALVE ASSEMBLIES WHERE MAIN ENTERS BUILDING IF NO VALVE IS INSTALLED.
6. DUMMY BOXES ARE TO CONSIST OF A TOP SECTION OF A VALVE BOX ASSEMBLY ENCASED IN A CONCRETE PAD PER STANDARD DETAIL W–05.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	TRACER WIRE INSTALLATION	DATE 12/15/15 · INDEX W-13 · SCALE N.T.S. · SHEET 1 OF 1



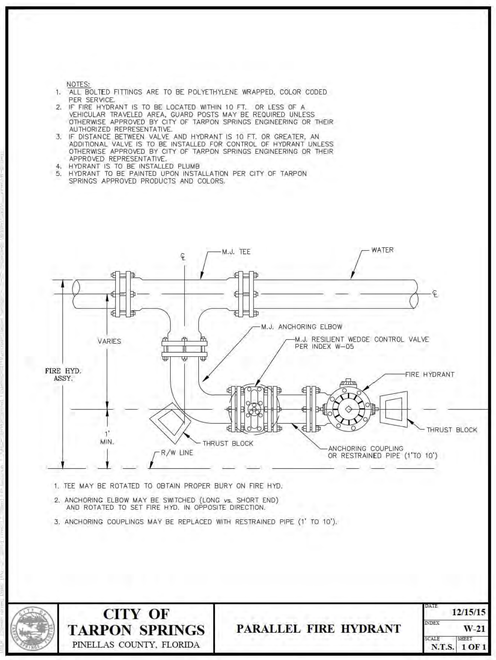
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	VALVE BOX/TRACER WIRE INSTALLATION	DATE 12/15/15 · INDEX W-14 · SCALE N.T.S. · SHEET 1 OF 1



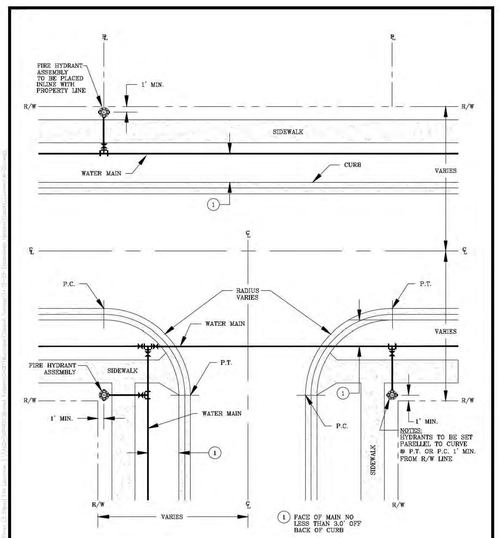
SIDE VIEW

NOTES:
1. MJ TAPPED CAP WITH HOSE BIBB IS TO BE REMOVED AFTER INITIAL BACTERIOLOGICAL CLEARANCE AND PRIOR TO WATER MAIN ACCEPTANCE.
2. SEE TECHNICAL SPECIFICATIONS SECTION 331200 FOR GATE VALVE AND VALVE BOX REQUIREMENTS.
3. ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61.

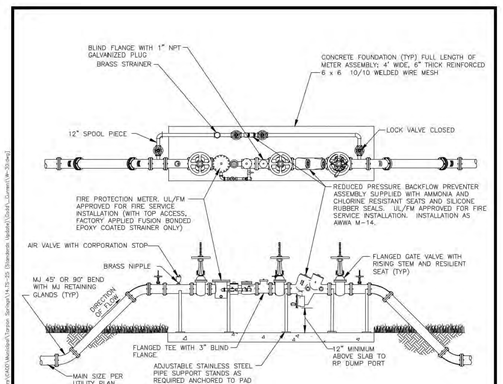
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	TEMPORARY BLOWOFF ASSEMBLY WITH BACTERIAL SAMPLE POINT DETAIL	DATE 12/15/15 · INDEX W-19 · SCALE N.T.S. · SHEET 1 OF 1



CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	PARALLEL FIRE HYDRANT	DATE 12/15/15 · INDEX W-21 · SCALE N.T.S. · SHEET 1 OF 1

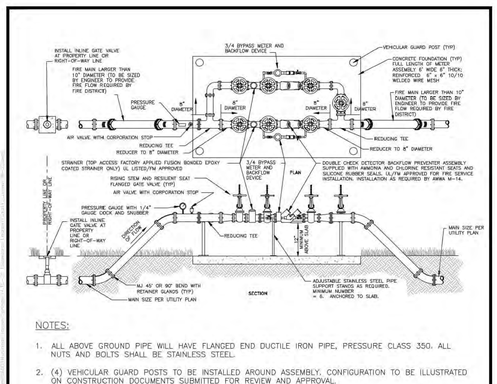


CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	TYPICAL FIRE HYDRANT LOCATIONS	DATE 12/15/15 · INDEX W-22 · SCALE N.T.S. · SHEET 1 OF 1



NOTES:
1. ALL ABOVE GROUND PIPE WILL HAVE FLANGED END DUCTILE IRON PIPE, PRESSURE CLASS 350. ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL.
2. (4) VEHICULAR GUARD POSTS TO BE INSTALLED AROUND METER. CONFIGURATION TO BE ILLUSTRATED ON CONSTRUCTION DOCUMENTS SUBMITTED FOR REVIEW AND APPROVAL.
3. THIS ASSEMBLY IS PERMITTED FOR COMBINATION FIRE AND POTABLE WATER SERVICE.
4. AS THIS UNIT WILL REQUIRE PERIODIC TESTING, FACILITIES REQUIRING CONTINUOUS WATER SERVICE SHALL PROVIDE PARALLEL UNITS OR FULL SIZE BYPASSES TO PREVENT SERVICE INTERRUPTIONS.
5. BACKFLOW DEVICE REQUIRES INITIAL CERTIFICATION BY AN APPROVED CERTIFIED TESTER WITH RESULTS SUBMITTED TO THE CITY OF TARPON SPRINGS BLDG./DEV. DEPARTMENT.
6. CITY OF TARPON SPRINGS REQUIRES DEDICATION OF ALL ABOVE GROUND MATERIAL AND EQUIPMENT FROM THE METER ASSEMBLY BACK TO THE CITY OF TARPON SPRINGS MAIN.
7. ALL PLANTING SHALL BE A MINIMUM OF 1.5' FROM THE EDGE OF SLAB, AND SHALL PROVIDE A 3' ACCESS OPENING.
8. STRAINER SHALL HAVE FUSION–BONDED EPOXY COATING.
9. ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	4" AND OVER POTABLE WATER FIRE AND DOMESTIC METER ASSEMBLY DETAIL	DATE 12/15/15 · INDEX W-30 · SCALE N.T.S. · SHEET 1 OF 1



NOTES:
1. ALL ABOVE GROUND PIPE WILL HAVE FLANGED END DUCTILE IRON PIPE, PRESSURE CLASS 350. ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL.
2. (4) VEHICULAR GUARD POSTS TO BE INSTALLED AROUND ASSEMBLY. CONFIGURATION TO BE ILLUSTRATED ON CONSTRUCTION DOCUMENTS SUBMITTED FOR REVIEW AND APPROVAL.
3. ASSEMBLY WILL BE OWNED AND MAINTAINED BY PROPERTY OWNER, STARTING AFTER THE INLINE GATE VALVE AT THE PROPERTY LINE OR RIGHT–OF–WAY LINE.
4. CITY WILL REQUIRE DEDICATION OF MATERIAL UP TO AND INCLUDING THE INLINE GATE VALVE FROM THE CITY'S WATER MAIN.
5. BACKFLOW DEVICE REQUIRES INITIAL CERTIFICATION BY AN APPROVED CERTIFIED TESTER.
6. ALL PLANTING SHALL BE A MINIMUM OF 1.5' FROM THE EDGE OF SLAB, AND SHALL PROVIDE A 3' ACCESS OPENING.
7. THIS ASSEMBLY SHALL BE PAINTED WITH RED EPOXY PAINT.
8. ALL COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF STANDARD 61.
9. A REDUCED PRESSURE DETECTOR BACKFLOW ASSEMBLY SHALL BE USED WHEN HIGH HAZARDS, AS DEFINED BY AWWA M–14 (E.G., RISK OF CHEMICAL ADDITION, MEDICAL FACILITIES, INDUSTRIAL FACILITIES, PROPERTIES USING RECLAIMED WATER, ETC.), EXIST.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	FIRE SERVICE DUAL METER ASSEMBLY OVER 10" FIRE MAIN (DUAL 8" METERS)	DATE 12/15/15 · INDEX W-32 · SCALE N.T.S. · SHEET 1 OF 1

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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No.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

CITY OF TARPON SPRINGS
WATER DETAILS

MORGAN
ANCHOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C511

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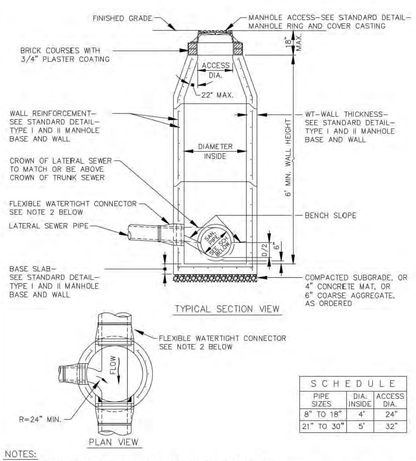
Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD\Work\PlanSheets\C510 – CITY OF TARPON SPRINGS WATER DETAILS.dwg C511 Nov 02, 2021 3:51pm by: haley.skinner

NOTES FOR SANITARY STRUCTURES

1. ALL MANHOLES SHALL BE PRECAST CONCRETE OR FIBERGLASS REINFORCED POLYESTER (FRP), UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER.
2. ALL PIPE STUBS FROM PRECAST MANHOLES, FOR FUTURE CONNECTIONS, SHALL BE INSTALLED WITH REMOVABLE WATERTIGHT PLUGS, PLACED FROM WITHIN THE MANHOLE.
3. ALL TYPE I CONE SECTIONS SHALL BE CONCENTRIC WITH RING CASTING CENTERED IN STRUCTURE, UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER.
4. THE CONE SECTION OF TYPE I PRECAST MANHOLE SHALL BE PRECAST.
5. NO PIPE SHALL BE IN THE MANHOLE CONE SECTION.
6. ALL MANHOLES WITH SLAB TOP SHALL BE TYPE II, SEE STANDARD DETAIL–TYPE II MANHOLE TOP SLAB.
7. A DROP MANHOLE SHALL BE REQUIRED WHEN THE INVERT OF ANY INCOMING PIPE IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. ALL DROP PIPE SHALL BE ON THE OUTSIDE OF THE MANHOLE.
8. PRIOR TO PRECASTING STRUCTURES THE PRECASTER SHALL SUBMIT SITE SPECIFIC INDIVIDUAL SHOP DRAWINGS FOR APPROVAL. SHOP DRAWINGS SUBMITTED FOR NONSTANDARD STRUCTURES OR STRUCTURES THAT DEVIATE FROM THE STANDARD DETAILS MUST BE DESIGNED AND CERTIFIED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
9. PRECAST MANHOLES SHALL CONSIST OF A MINIMUM NUMBER OF SECTIONS, AS APPROVED BY THE ENGINEER.
10. ALL PRECAST STRUCTURES SHALL HAVE AN INTEGRAL FLOOR AND BASE RISER SECTION, SEE STANDARD DETAIL–TYPE I AND II MANHOLE BASE AND WALL.
11. FOR PRECAST STRUCTURE JOINT, SEE STANDARD DETAIL–PRECAST STRUCTURE JOINT ASSEMBLY.
12. ALL EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
13. FOR THE APPLICABLE RING AND COVER, SEE STANDARD DETAIL–MANHOLE RING AND COVER CASTING.
14. PRECAST BASE SECTION SHALL BE INSTALLED ON A CONCRETE MAT WITHIN 2 HOURS OF PLACEMENT OF THE MAT.
15. ALL BRICK SHALL BE CLAY BRICK AND SHALL HAVE A MINIMUM 3/4" CEMENT PLASTER ON ALL SURFACES.
16. BENCH SHALL SLOPE @ 1:12 MINIMUM.
17. A PROTECTIVE COATING SHALL BE APPLIED TO THE INSIDE AND OUTSIDE SURFACES OF STRUCTURES, EXCEPT FRP'S. THE PROTECTIVE COATING SHALL COVER THE COMPLETE EXTERIOR AND INTERIOR SURFACE OF THE STRUCTURE, (INCLUDING CONE SECTIONS, RISERS, AND INVERT) FROM THE BOTTOM SLAB TO THE GROUND SURFACE EXCLUDING THE COVER CASTING, LID, AND THE HORIZONTAL PLANE OF THE PIPE PENTRATIONS OR CUT OPENINGS. THE UNDERSIDE OF THE BOTTOM SLAB MAY ALSO BE EXCLUDED AT THE CONTRACTORS OPTION. 2 COATS OF THE PROTECTIVE COATING SHALL BE APPLIED TO THE INSIDE, AND 1 SHALL BE APPLIED TO THE OUTSIDE. THE COATING SHALL BE OF TAR EPOXY, KOP–COAT BITUMASTIC 300–M OR APPROVED EQUAL. EACH COATING SHALL YIELD A FINAL DRY FILM 9 mils IN THICKNESS.
18. PRIOR TO MANUFACTURING OF FRP MANHOLE, MANUFACTURER SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS FOR THE DESIGN OF INVERT AND BENCH AREA, PIPE CONNECTIONS, FABRICATION DETAILS AND INSTALLATION METHODS FOR APPROVAL.
19. FOR FRP MANHOLES A FIBERGLASS ENCLOSED INVERT AND BENCH MAY BE INSTALLED BY THE MANUFACTURER OR CONCRETE MAY BE USED FOR THE BENCH AREA AND INVERT, AS DIRECTED BY THE ENGINEER.
20. FRP STIFFENING RIBS ARE REQUIRED AT 10' DEPTH OR MORE.

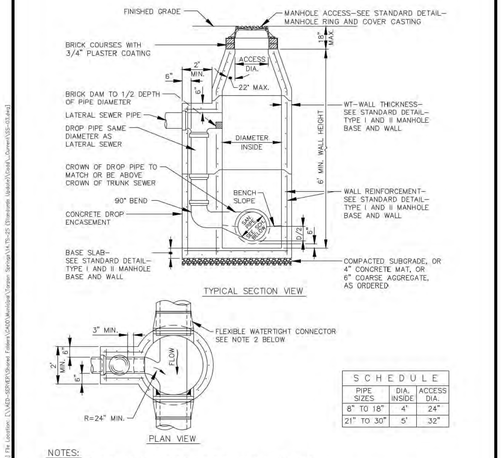
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	SANITARY STRUCTURE NOTES	DATE 12/15/15 · INDEX SS-01 · SCALE N.T.S. · SHEET 1 OF 1



SCHEDULE		
PIPE SIZES	DIA. INSIDE	ACCESS DIA.
8" TO 18"	4'	24"
21" TO 30"	5'	32"

NOTES:
1. SEE GENERAL NOTES, STANDARD DETAIL–SANITARY MANHOLE NOTES.
2. FLEXIBLE WATERTIGHT CONNECTORS SHALL BE "KWIK SEAL" OR "PSX: POSITIVE SEAL GASKET SYSTEM" AS MANUFACTURED BY THE PRESS SEAL GASKET CORPORATION, OR APPROVED EQUAL, OR "KOR–N–SEAL" I CONNECTORS FOR PIPE SIZES UPTO 15" AND "KOR–N–SEAL" II CONNECTORS FOR PIPE SIZES 18" TO 30", AS MANUFACTURED BY THE NPC INC., OR APPROVED EQUAL.

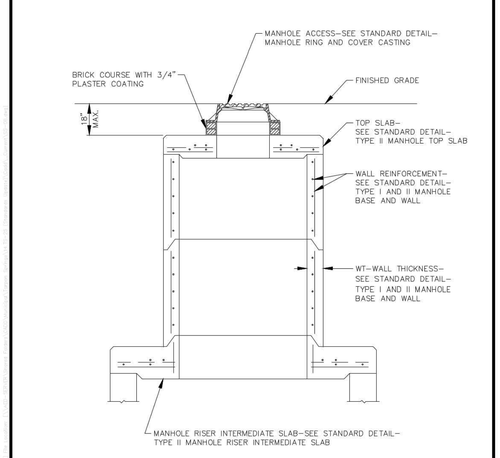
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	SANITARY PRECAST MANHOLE TYPE I	DATE 12/15/15 · INDEX SS-02 · SCALE N.T.S. · SHEET 1 OF 1



SCHEDULE		
PIPE SIZES	DIA. INSIDE	ACCESS DIA.
8" TO 18"	4'	24"
21" TO 30"	5'	32"

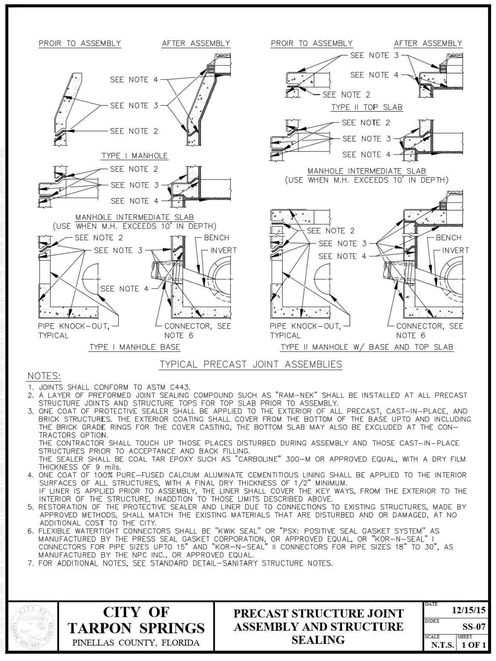
NOTES:
1. SEE GENERAL NOTES, STANDARD DETAIL–SANITARY MANHOLE NOTES.
2. FLEXIBLE WATERTIGHT CONNECTORS SHALL BE "KWIK SEAL" OR "PSX: POSITIVE SEAL GASKET SYSTEM" AS MANUFACTURED BY THE PRESS SEAL GASKET CORPORATION, OR APPROVED EQUAL, OR "KOR–N–SEAL" I CONNECTORS FOR PIPE SIZES UPTO 15" AND "KOR–N–SEAL" II CONNECTORS FOR PIPE SIZES 18" TO 30", AS MANUFACTURED BY THE NPC INC., OR APPROVED EQUAL.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	SANITARY PRECAST DROP MANHOLE TYPE I	DATE 12/15/15 · INDEX SS-03 · SCALE N.T.S. · SHEET 1 OF 1



NOTE:
1. GENERAL NOTES, SEE STANDARD DETAIL–SANITARY STRUCTURE NOTES.

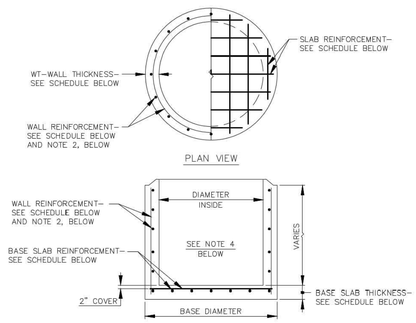
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	PRECAST MANHOLE RISER	DATE 12/15/15 · INDEX SS-06 · SCALE N.T.S. · SHEET 1 OF 1



TYPICAL PRECAST JOINT ASSEMBLIES

NOTES:
1. JOINTS SHALL CONFORM TO ASTM C443.
2. A LAYER OF PREFORMED JOINT SEALING COMPOUND SUCH AS "RAM–NEK" SHALL BE INSTALLED AT ALL PRECAST STRUCTURE JOINTS AND STRUCTURE TOPS FOR TOP SLAB PRIOR TO ASSEMBLY.
3. ONE COAT OF PROTECTIVE SEALER SHALL BE APPLIED TO THE EXTERIOR OF ALL PRECAST, CAST–IN–PLACE, AND BRICK STRUCTURES. THE EXTERIOR COATING SHALL COVER FROM THE BOTTOM OF THE BASE UPTO AND INCLUDING THE BRICK GRADE RINGS FOR THE COVER CASTING, THE BOTTOM SLAB MAY ALSO BE EXCLUDED AT THE CONTRACTORS OPTION.
   THE CONTRACTOR SHALL TOUCH UP THOSE PLACES DISTURBED DURING ASSEMBLY AND THOSE CAST–IN–PLACE STRUCTURES PRIOR TO ACCEPTANCE AND BACK FILLING.
   THE SEALER SHALL BE COAL TAR EPOXY SUCH AS "CARBOLINE" 300–M OR APPROVED EQUAL, WITH A DRY FILM THICKNESS OF 9 mils.
4. ONE COAT OF 100% PURE–FUSED CALCIUM ALUMINATE CEMENTITIOUS LINING SHALL BE APPLIED TO THE INTERIOR SURFACES OF ALL STRUCTURES, WITH A FINAL DRY THICKNESS OF 1/2" MINIMUM.
   IF LINER IS APPLIED PRIOR TO ASSEMBLY, THE LINER SHALL COVER THE KEY WAYS, FROM THE EXTERIOR TO THE INTERIOR OF THE STRUCTURE, INADDITION TO THOSE LIMITS DESCRIBED ABOVE.
5. RESTORATION OF THE PROTECTIVE SEALER AND LINER DUE TO CONNECTIONS TO EXISTING STRUCTURES, MADE BY APPROVED METHODS, SHALL MATCH THE EXISTING MATERIALS THAT ARE DISTURBED AND OR DAMAGED, AT NO ADDITIONAL COST TO THE CITY.
6. FLEXIBLE WATERTIGHT CONNECTORS SHALL BE "KWIK SEAL" OR "PSX: POSITIVE SEAL GASKET SYSTEM" AS MANUFACTURED BY THE PRESS SEAL GASKET CORPORATION, OR APPROVED EQUAL, OR "KOR–N–SEAL" I CONNECTORS FOR PIPE SIZES UPTO 15" AND "KOR–N–SEAL" II CONNECTORS FOR PIPE SIZES 18" TO 30", AS MANUFACTURED BY THE NPC INC., OR APPROVED EQUAL.
7. FOR ADDITIONAL NOTES, SEE STANDARD DETAIL–SANITARY STRUCTURE NOTES.

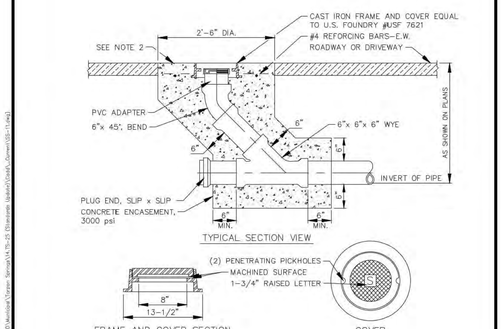
CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	PRECAST STRUCTURE JOINT ASSEMBLY AND STRUCTURE SEALING	DATE 12/15/15 · INDEX SS-07 · SCALE N.T.S. · SHEET 1 OF 1



SCHEDULE					
DIAMETER INSIDE	BASE DIAMETER	WT. WALL THICKNESS	WALL REINFORCMENT	BASE SLAB THICKNESS	BASE SLAB REINFORCEMENT
4'	5'–0"	6"	#4 @ 12" EW	8"	#6 @ 12" EW
5' (3)	6'–4"	8"	#4 @ 12" EW	8"	#6 @ 12" EW
6'	7'–4"	8"	#4 @ 12" EW	8"	#6 @ 12" EW
7'	8'–4"	8"	#4 @ 12" EW	8"	#6 @ 10" EW
8'	9'–4"	8"	#4 @ 12" EW	10"	#6 @ 10" EW

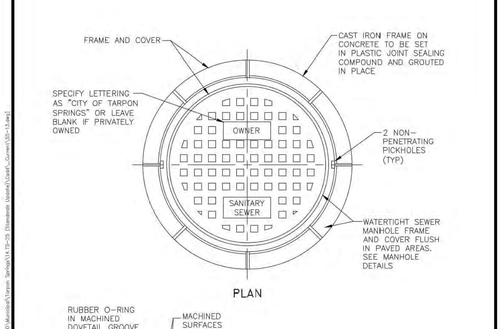
NOTES:
1. FOR GENERAL NOTES, SEE STANDARD DETAIL–SANITARY STRUCTURE NOTES.
2. OPTIONAL WALL REINFORCEMENT MAY BE WELDED WIRE AS PER ASTM C–478 OR ASTM C–76, CLASS III, B WALL, WITH WHERE THE REINFORCEMENT CAGE IN THE CENTER 1/3 OF THE WALL.
3. MAXIMUM SIZE ALLOWED FOR TYPE I MANHOLE. 6', 7', AND 8' DIAMETER SHALL BE TYPE II MANHOLE.
4. ADD 2 #4 REINFORCING BARS AT 3" CENTERS AT THE TOP AND SIDES OF ALL WALL OPENINGS.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	TYPE I AND II MANHOLE BASE AND WALL	DATE 12/15/15 · INDEX SS-10 · SCALE N.T.S. · SHEET 1 OF 1



NOTES:
1. THIS SANITARY CLEAN OUT IS TO BE USED IN ALL TRAFFIC AREAS, INCLUDING THE PARKWAY FROM CURB TO PROPERTY LINE OR SIDEWALK
2. IN ASPHALTIC PAVEMENT AREAS CONCRETE COLLAR SHALL BE LOWERED 3" FROM GRADE TO ALLOW FOR THE ASPHALT TO BE AROUND COLLAR. COLLAR IS 5" THICK IN THESE AREAS.
3. PLUG SHALL CONFORM TO THE SPECIFICATIONS AND SHALL HAVE A GASKET.
4. WYE SHALL CONFORM TO ASTM D–3034, & NSF STANDARD #14.

CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	SANITARY SEWER CLEAN OUT FOR TRAFFIC AREAS DETAIL	DATE 12/15/15 · INDEX SS-11 · SCALE N.T.S. · SHEET 1 OF 1



CITY OF TARPON SPRINGS, PINELLAS COUNTY, FLORIDA	MANHOLE RING AND COVER DETAIL	DATE 1/28/2015 · INDEX SS-13 · SCALE N.T.S. · SHEET 1 OF 1

No.	DATE	BY
1	09/13/2021	BDM
2	10/14/2021	BDM

FDP RESUBMITTAL
SWFWMD COMMENTS
REVISIONS

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DRAWN BY BFN
CHECKED BY ACC

CITY OF TARPON SPRINGS
SANITARY SEWER DETAILS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C520

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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Drawing name: K:\TAM_Civil\145062 – Morgan\001 – Anclote Harbor\CADD Work\PlanSheets\C522 STANDARD PRIVATE LIFT STATION DETAILS.dwg C520 Nov 02, 2021 3:51pm by: haley.skinner
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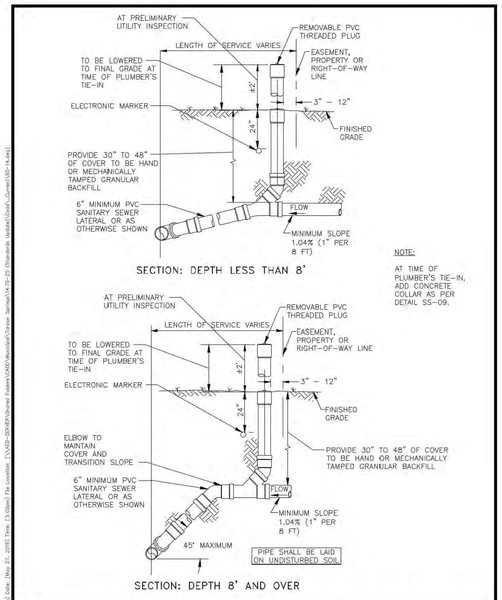
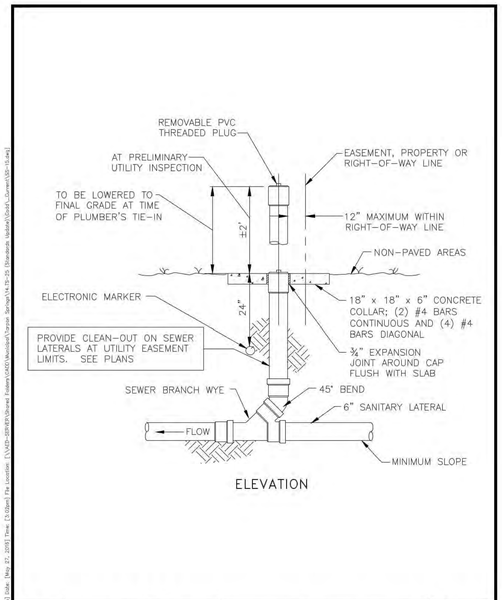
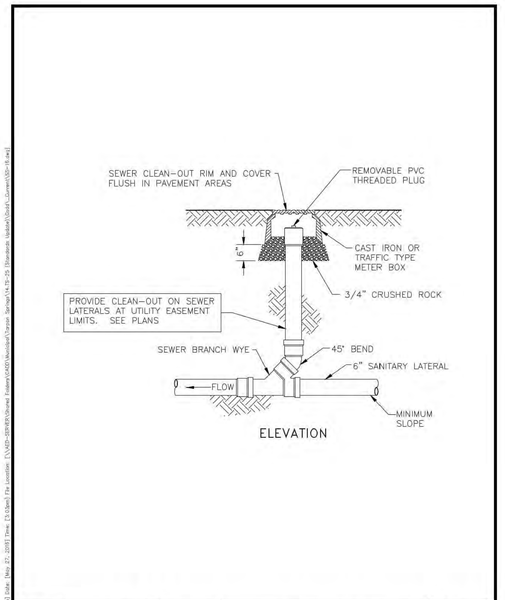


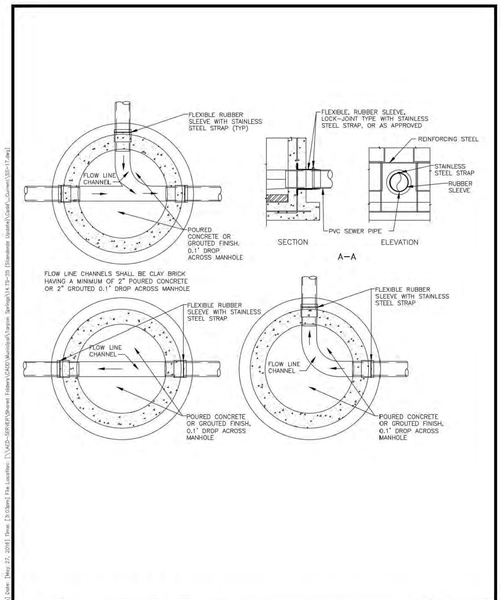
CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	SEWER CONNECTION DETAILS PROPERTY, RIGHT-OF-WAY OR EASEMENT LINE	DATE 12/15/15 INDEX SS-14 SCALE N.T.S. SHEET 1 OF 1



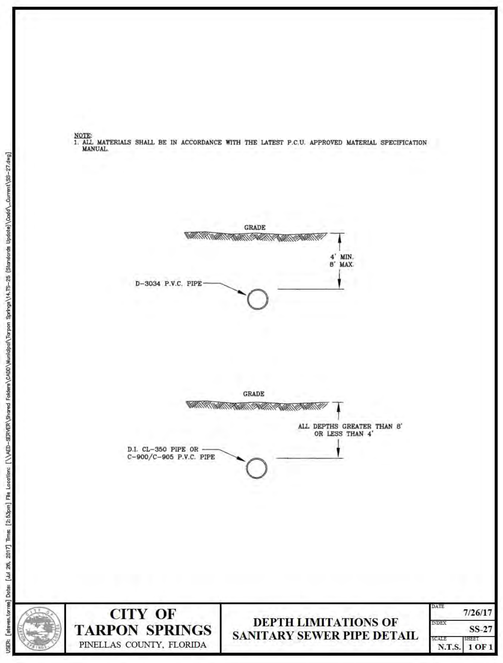
CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	SEWER CLEAN-OUT DETAIL NON PAVED AREAS	DATE 12/15/15 INDEX SS-15 SCALE N.T.S. SHEET 1 OF 1



CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	SEWER CLEAN-OUT DETAIL PAVED AREAS	DATE 12/15/15 INDEX SS-16 SCALE N.T.S. SHEET 1 OF 1



CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	TYPICAL FLOW LINE CHANNELS DETAILS	DATE 1/28/2015 INDEX SS-17 SCALE N.T.S. SHEET 1 OF 1



CITY OF TARPON SPRINGS PINELLAS COUNTY, FLORIDA	DEPTH LIMITATIONS OF SANITARY SEWER PIPE DETAIL	DATE 7/26/17 INDEX SS-27 SCALE N.T.S. SHEET 1 OF 1

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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NO.	REVISIONS	DATE	BY
1	FDP RESUBMITTAL	09/13/2021	BDM
2	SWFWMD COMMENTS	10/14/2021	BDM

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SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

CITY OF TARPON SPRINGS
SANITARY SEWER DETAILS

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C521

Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD\Work\PlanSheets\C522 STANDARD PRIVATE LIFT STATION DETAILS.dwg C521 Nov 02, 2021 3:51pm by: lhaley.skinner
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BARNEY'S PUMPS, INC.
PO BOX 3529, LAKELAND, FL 33802
PHONE: (863) 665-8500 FAX: (863) 666-3858

DUPLEX CONCRETE NON-CLOG LIFT STATION

GENERAL NOTES

PUMPS SHALL BE OF THE SUBMERSIBLE TYPE (MANUFACTURED BY HYDROMATIC OR HOMA). EACH PUMP SHALL BE MOUNTED ON A Ø4" RAIL SYSTEM. THE RAIL SYSTEM SHALL BE SELF ENGAGING RESULTING IN A LEAKPROOF COUPLING. THE RAIL SYSTEM SHALL INCLUDE THE BASE ELBOW, DISCHARGE FLANGE ASSEMBLY, 316SS GUIDE RAILS, 316SS UPPER GUIDE BRACKET, 316SS LIFTING BAIL AND CABLE, AND A SIX-HOOK 316SS CABLE HOLDER. THE RAIL SYSTEM SHALL BE MOUNTED AND PRE-PIPED BY THE PUMP SUPPLIER.

PUMP CONSTRUCTION
THE PUMP VOLUTE, MOTOR AND SEAL HOUSING SHALL BE CONSTRUCTED OF CAST IRON. ALL EXTERNAL FASTENERS SHALL BE SERIES 300 STAINLESS STEEL. THE PUMP SHAFT SHALL BE CONSTRUCTED OF SERIES 416 STAINLESS STEEL.

IMPELLER
THE IMPELLER SHALL BE OF NON-CLOG CONSTRUCTION. THE IMPELLER SHALL BE STATICALLY AND HYDRAULICALLY BALANCED.

MOTOR
THE MOTOR SHALL BE MOUNTED IN A SEALED, SUBMERSIBLE TYPE HOUSING. THE MOTOR WILL HAVE TWO HEAVY-DUTY BALL BEARINGS; ONE UPPER (RADIAL) AND ONE LOWER (THRUST), TO SUPPORT THE SHAFT. THE MOTOR SHALL BE EQUIPPED WITH A WINDING THERMOSTAT THAT IS WIRED TO SHUT THE MOTOR OFF IN CASE OF MOTOR OVERHEATING.

SEAL CHAMBER
THE PUMP SHALL HAVE TWO MECHANICAL SEALS, MOUNTED IN TANDEM WITH AN OIL CHAMBER BETWEEN THE SEALS. THE PUMP SHALL BE EQUIPPED WITH A SEAL LEAK DETECTION PROBE AND WARNING SYSTEM BY USING A SEAL FAILURE SENSOR INSTALLED IN THE SEAL CHAMBER.

WET WELL
WET WELL SHALL BE PRE-CAST CONCRETE AND SECTIONS SHALL BE REINFORCED IN CONFORMING WITH ASTM C478 AND C913 (LATEST REVISIONS). CONTRACTOR SHALL SUPPLY WET WELL AND SHALL CONFIRM UNITS ARE STRUCTURALLY SOUND FOR DEPTH REQUIRED.

VALVE BOX
THE VALVE BOX SHALL BE CONCRETE WITH AN ALUMINUM LOCKABLE COVER.

VALVES
VALVES SHALL BE SEWAGE SWING CHECK WITH CLEAN-OUT PORTS AND BRASS GATE VALVES.

HATCH COVER
THE HATCH COVERS SHALL ALLOW FOR MAXIMUM ACCESS TO THE WET WELL AND VALVE BOX. THE HATCH COVER SHALL BE ALUMINUM WITH STAINLESS STEEL HARDWARE, RATED FOR 300 PSF OR GREATER. THE HATCH COVER SHALL INCLUDE A SINGLE OR DUAL DOOR OF DIMENSIONS SPECIFIED BY THE PUMP MANUFACTURER FOR PROPER PUMP CLEARANCE. THE COVER SHALL BE MANUFACTURED BY US FABRICATION, OR EQUAL.

FLOATS
FLOATS SHALL BE ANCHOR SCIENTIFIC ROTO-FLOATS OR EQUAL.

CONTROLS
THE CONTROL PANEL SHALL BE UL508 LISTED. ENCLOSURE SHALL BE PROVIDED IN 4X POLYCARBONATE. THE PANEL SHALL INCLUDE AN ALTERNATING CONTROL SCHEME (DUPLEX AND ABOVE), MAIN CIRCUIT BREAKER, GENERATOR RECEPTACLE, HIGH LEVEL ALARM LIGHT AND HORN, ELAPSED TIME METERS, VOLTAGE OR PHASE MONITOR, SEAL FAILURE AND OVERLOAD SENSORS. THE LIGHTNING ARRESTOR SHALL BE PROVIDED BY BARNEY'S PUMPS AND INSTALLED BY CONTRACTOR.

ELECTRICAL
ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.

SUPPLIER
PUMP SUPPLIER SHALL PROVIDE SUBMERSIBLE PUMPS, SLIDE RAIL ASSEMBLIES, CONTROL PANEL, FLOAT SWITCHES, ALUMINUM HATCHES AND ACCESSORIES TO INSURE PROPER OPERATIONS AND WARRANTY.

PUMP PACKAGE SHALL BE SUPPLIED BY BARNEY'S PUMPS INC. IN LAKELAND (863-665-8500), CORAL SPRINGS (954-346-0669), OR JACKSONVILLE (904-260-0669), FL.

EMERGENCY NOTICE SIGN
CONTRACTOR IS TO PROVIDE AND POST AN UNOBSTRUCTED SIGN (12"X12" WITH 2" LETTERING) MADE OF DURABLE WEATHER RESISTANT MATERIAL AT A LOCATION VISIBLE TO THE PUBLIC WITH A TELEPHONE NUMBER FOR A POINT OF CONTACT IN CASE OF EMERGENCY AS SHOWN ABOVE

PUMP DATA TABLE

PUMP MODEL	HYDROMATIC S4K	
IMPELLER DIAMETER	10	"
PUMP DESIGN CAPACITY	280	GPM
PUMP DESIGN TDH	105	FT
SECONDARY CAPACITY	–	GPM
SECONDARY TDH	–	FT
HORSEPOWER	15	HP
VOLTAGE	–	V
PHASE	3	PH
DISCHARGE SIZE	4	"

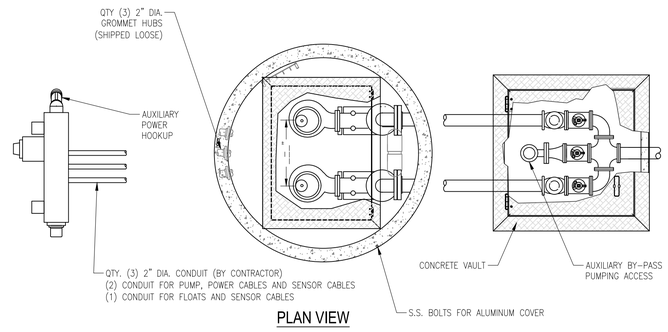
NOTES: CONTRACTOR TO VERIFY VOLTAGE AND PHASE

ELEVATIONS

A	TOP OF WET WELL	10.00'
B	INLET INVERT	-4.30'
C	HIGH WATER ALARM	-4.80'
D	LAG PUMP ON	-5.30'
E	LEAD PUMP ON	-5.80'
F	PUMP OFF	-7.80'
G	BOTTOM OF WET WELL	-10.80'

FDEP REQUIRMENTS
PROVIDE 3/4" WATER LINE WITH A 3/4" RPZ.
ALL ELECTRICAL PANELS SHALL BE ABOVE THE 100 YEAR FLOOD ELEVATION.

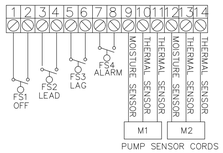
WET WELL/VALVE BOX LAYOUT



PLAN VIEW

ELECTRICAL

FIELD TERMINALS

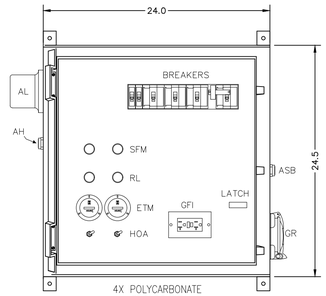


LEGEND

ABBR.	DESCRIPTION
ENC	ENCLOSURE, POLYCARBONATE, NEMA 4X
MCB	MAIN CIRCUIT BREAKER
ECB	EMERGENCY CIRCUIT BREAKER
PCB1,2	PUMP CIRCUIT BREAKER
CCB	CONTROL CIRCUIT BREAKER
GFICB	GFI CIRCUIT BREAKER
GR	GENERATOR RECEPTACLE
GFI	GFI RECEPTACLE
AL	ALARM LIGHT
AH	ALARM HORN
ASB	ALARM SILENCE BUTTON
SFM	SEAL FAIL MODULE
HOA	HAND OFF AUTO SWITCH
RL	RUN LIGHT, GREEN
ETM	ELAPSED TIME METER

ENCLOSURE AND DEADFRONT LAYOUT (TYPICAL)

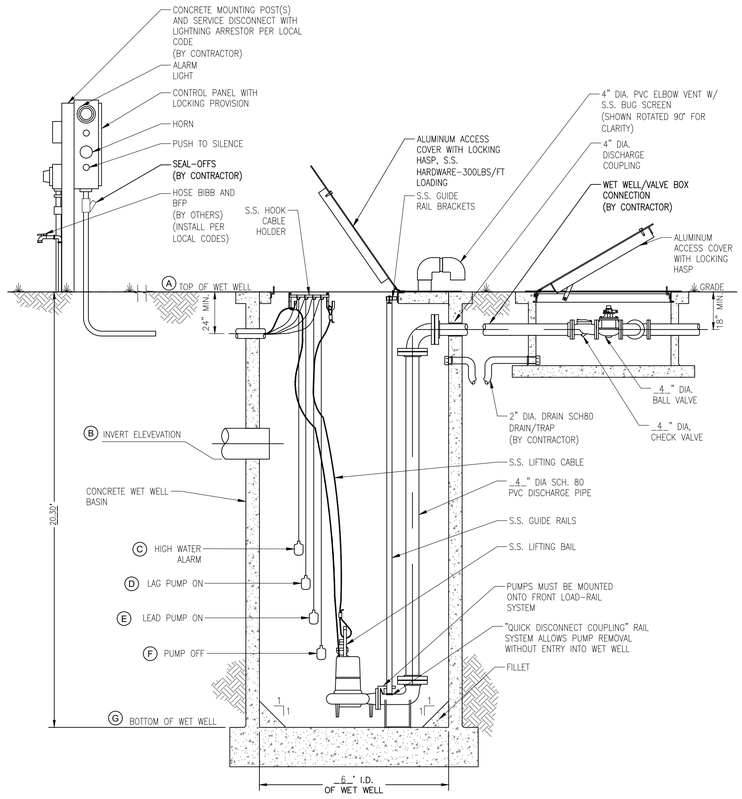
(OUTER DOOR REMOVED)



4X POLYCARBONATE ENCLOSURE

PANEL NOTES

ALL PANELS SHALL BE UL LISTED AND CONFORM TO FLORIDA DEP 62-604
1) GENERATOR RECEPTACLE WITH INTERLOCK FOR EMERGENCY POWER CONNECTION.
2) SURGE AND LIGHTNING PROTECTION SHALL BE PROVIDED BY CONTRACTOR AND MOUNTED EXTERNAL TO THE CONTROL PANEL.
3) PHASE OR VOLTAGE MONITOR SHALL BE PROVIDED IN CONTROL PANEL.
4) ALL PANELS, WET WELL, VALVE BOX, AND ACCESS DOORS SHALL HAVE LOCKABLE MECHANISMS. CONTRACTOR TO PROVIDE KEYED LOCKS.
5) POST UNOBSTRUCTED SIGN MADE OF DURABLE WEATHER RESISTANT MATERIAL WITH THE FOLLOWING: PUBLIC NOTICE:
IN CASE OF EMERGENCY CONTACT:
6) THE CONTROL PANEL SHALL BE SUITABLY INSTALLED TO PREVENT SETTLING OR TIPPING.
7) FLOAT SWITCHES SHALL BE UL LISTED.
8) SHAFT SEAL FAIL DETECTION



SECTION VIEW

GROUNDWATER / DEWATERING NOTE:
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1	FDP RESUBMITTAL	09/13/2021 BDM
2	SWFWMD COMMENTS	10/14/2021 BDM
No.	REVISIONS	DATE BY

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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM REGISTRY No. 696

NATHAN O. LEE, P.E. No. 69843 STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER

SCALE
DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC

STANDARD PRIVATE LIFT STATION DETAILS

MORGAN
ANCLOTE HARBOR FLORIDA
TARPON SPRINGS

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C522

This item has been digitally signed and sealed by Nathan O. Lee, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Drawing name: K:\TAM_Civil\145062 - Morgan\001 - Anclote Harbor\CADD Work\PlanSheets\C522 STANDARD PRIVATE LIFT STATION DETAILS.dwg C522 STANDARD PRIVATE LIFT STATION DETAILS Nov 02, 2021 3:51pm by: haley.skinner
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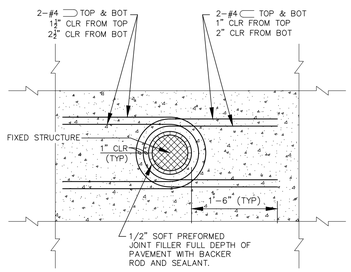
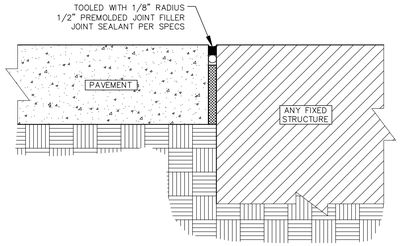
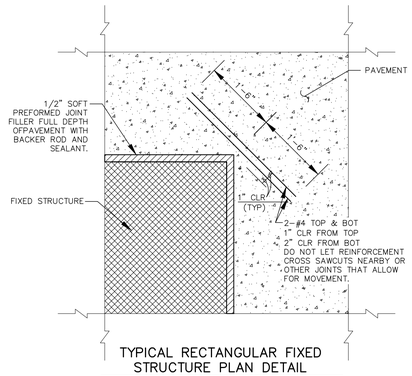




TYPICAL ROUND FIXED STRUCTURE PLAN DETAIL

USES: MANHOLES, LIGHT POLE BASES AND BOLLARDS

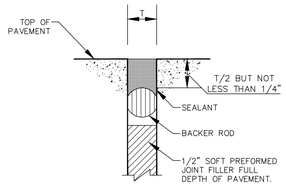


TYPICAL RECTANGULAR FIXED STRUCTURE PLAN DETAIL

USES: BUILDINGS, RETAINING WALLS/DOCK WALLS AND DROP INLETS

DTISO.NT | 12-04-08

ISOLATION JOINT



BACKER ROD AND SEALANT SECTION AT FIXED STRUCTURE

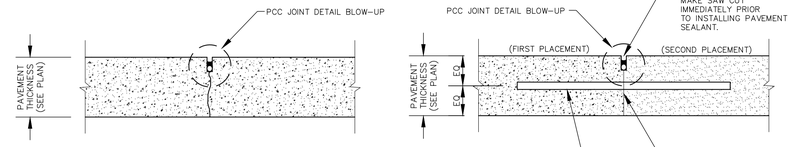
NOTES:

ISOLATION JOINT TO BE USED FOR FIXED STRUCTURES SUCH AS BUILDINGS, RETAINING WALLS/DOCK WALLS, DROP INLETS, MANHOLES, LIGHT POLE BASES AND BOLLARDS.

PAVEMENT IS NOT CONSIDERED A FIXED STRUCTURE.

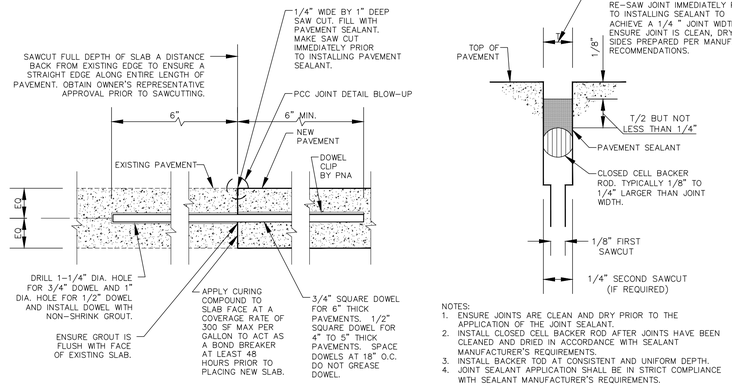
ISOLATION JOINT DETAILS

N.T.S.



CONTRACTION JOINT

CONSTRUCTION JOINT



CONSTRUCTION JOINT TO EXISTING PAVEMENT

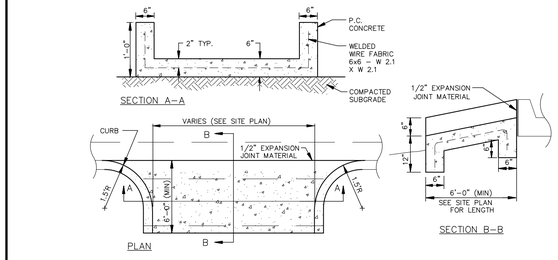
NOTES:
1. ENSURE JOINTS ARE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE JOINT SEALANT.
2. INSTALL CLOSED CELL BACKER ROD AFTER JOINTS HAVE BEEN CLEANED AND DRIED IN ACCORDANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.
3. INSTALL BACKER TOD AT CONSISTENT AND UNIFORM DEPTH.
4. JOINT SEALANT APPLICATION SHALL BE IN STRICT COMPLIANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.

PCC JOINT DETAIL BLOW-UP (TYP.)

CONCRETE JOINT DETAILS

N.T.S.

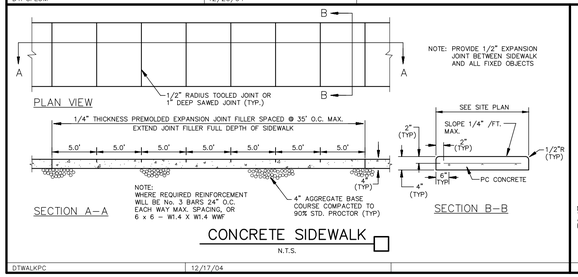
DTCON.NT | 03-02-12



CONCRETE FLUME

N.T.S.

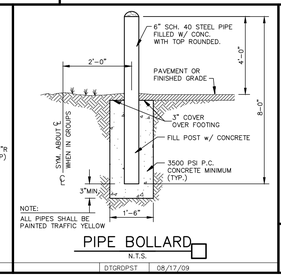
DTPCFLUM | 12/20/04



CONCRETE SIDEWALK

N.T.S.

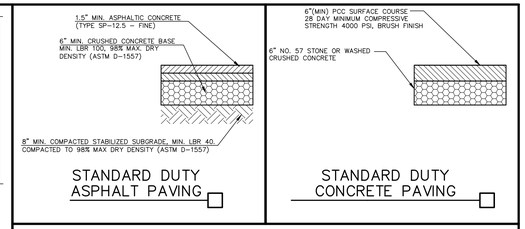
DTWALKPC | 12/17/04



PIPE BOLLARD

N.T.S.

DTORDPST | 08/17/09



NOTE:
1. ASPHALTIC CONCRETE SHALL MEET FDOT REQUIREMENTS AND PLACEMENT PROCEDURES AS OUTLINED IN THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION). THE ASPHALTIC CONCRETE SHALL BE COMPACTED TO A MINIMUM OF 98% (Gmm) OF THE MAXIMUM THEORETICAL SPECIFIC GRAVITY.
2. REFERENCE UES GEO EONNICAL REPORT DATED 06.21.2021 FOR PAVEMENT RECOMMENDATIONS.

GROUNDWATER / DEWATERING NOTE:

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2	SWFWMD COMMENTS	10/14/2021	BDM

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REGISTRY No. 696

DESIGNED BY RPC
DRAWN BY BFN
CHECKED BY ACC
SCALE

DATE 11/2/2021
PROJECT NO. 145062001
SHEET NUMBER C600

PAVEMENT DETAILS

MORGAN ANCLOTE HARBOR

TARPON SPRINGS FLORIDA

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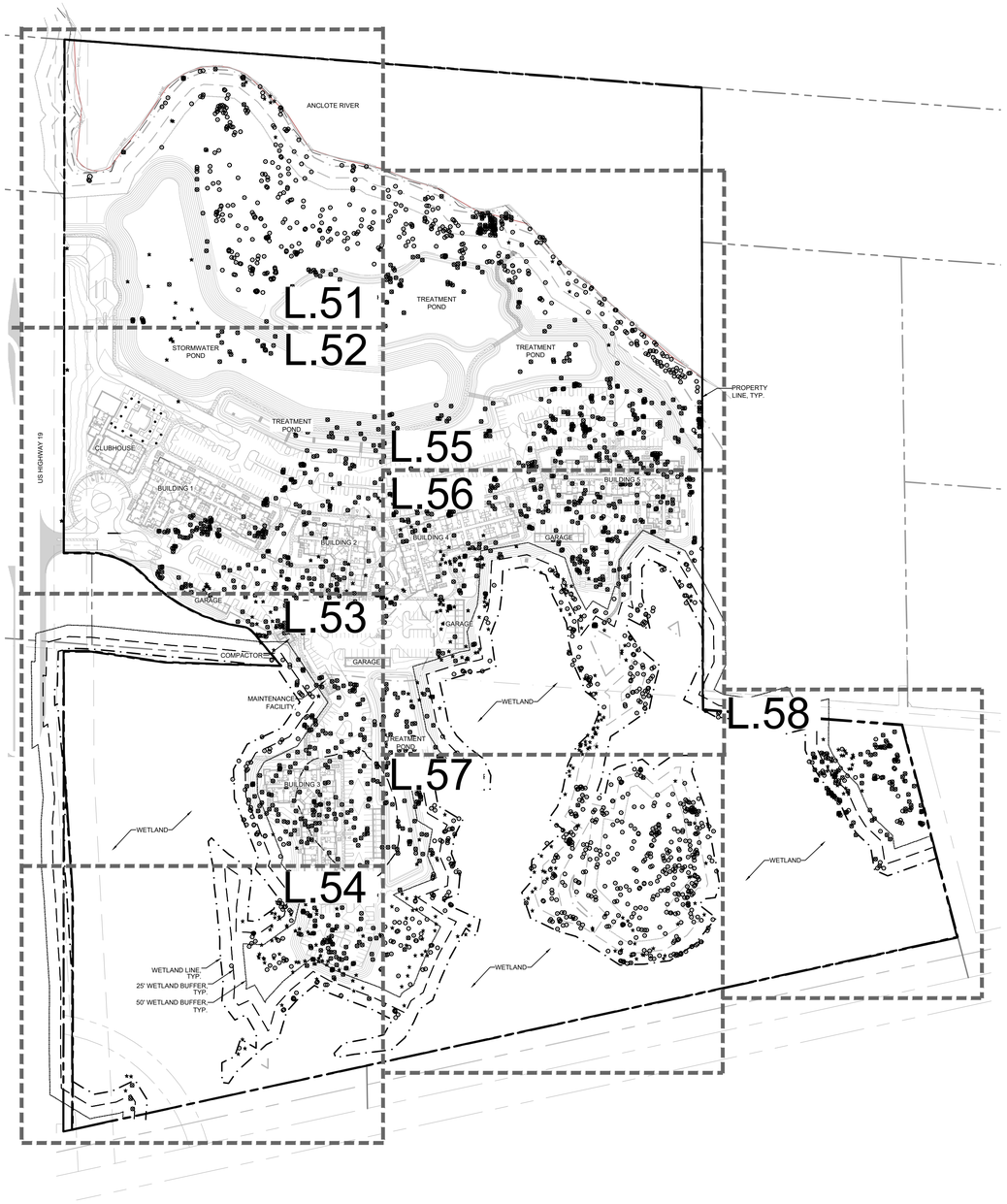

LEGEND:

- TREE TO REMAIN
- TREE TO BE REMOVED
- PALM TO REMAIN
- PALM TO BE REMOVED
- TPF — TREE PROTECTION FENCE

GRAPHIC SCALE IN FEET
0 75 150 300

NORTH

TRC SUBMITTAL 10/13/2021

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REGISTERED LANDSCAPE ARCHITECT
WESTON MICHAEL ROGERS
LA6667442
STATE OF FLORIDA
DATE: 10/5/2021

SCALE
DESIGNED BY SKP
DRAWN BY SKP
CHECKED BY WMR

TREE MITIGATION PLAN

MORGAN ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.50

Drawing name: C:\Users\wes.rogers\appdata\local\temp\AcPublish_908\L.50 – TREE MITIGATION PLAN.dwg L.50 Oct 05, 2021 3:31pm by: Wes.Rogers

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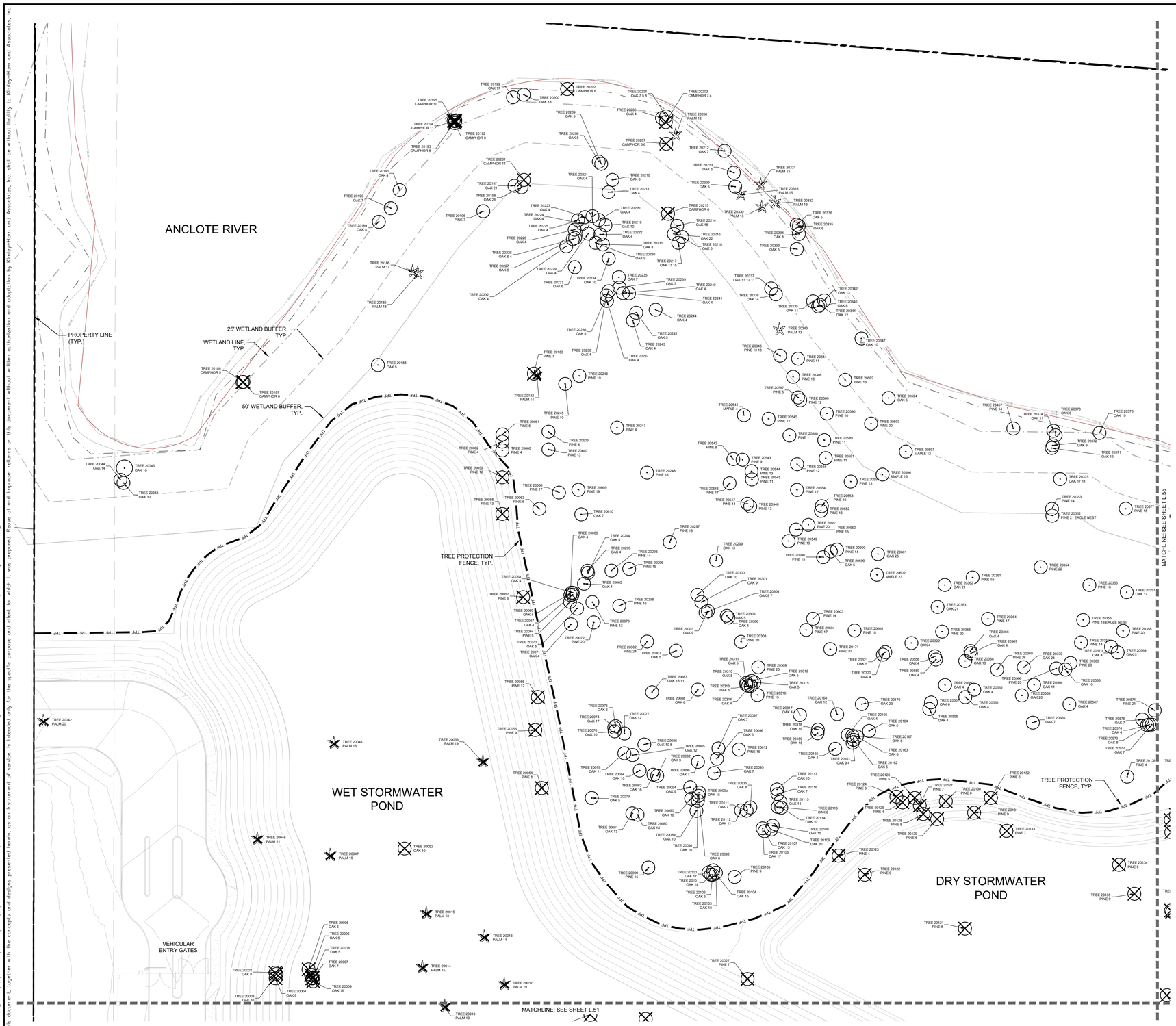

LEGEND:

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- PALM TO REMAIN
- PALM TO BE REMOVED
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GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

TRC SUBMITTAL 10/13/2021

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REGISTERED LANDSCAPE ARCHITECT
ANCHA E. ROGERS
LA6667442
STATE OF FLORIDA
DATE: 10/7/2021

SCALE	
DESIGNED BY	SKP
DRAWN BY	SKP
CHECKED BY	WMR

TREE MITIGATION PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.51

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MATCHLINE; SEE SHEET L.51

MATCHLINE; SEE SHEET L.55

MATCHLINE; SEE SHEET L.53

MATCHLINE; SEE SHEET L.56

WET STORMWATER POND

DRY STORMWATER POND

POOL

CLUBHOUSE

BUILDING 1

BUILDING 2

PROPERTY LINE (TYP.)

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GRAPHIC SCALE IN FEET
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TRC SUBMITTAL 10/13/2021

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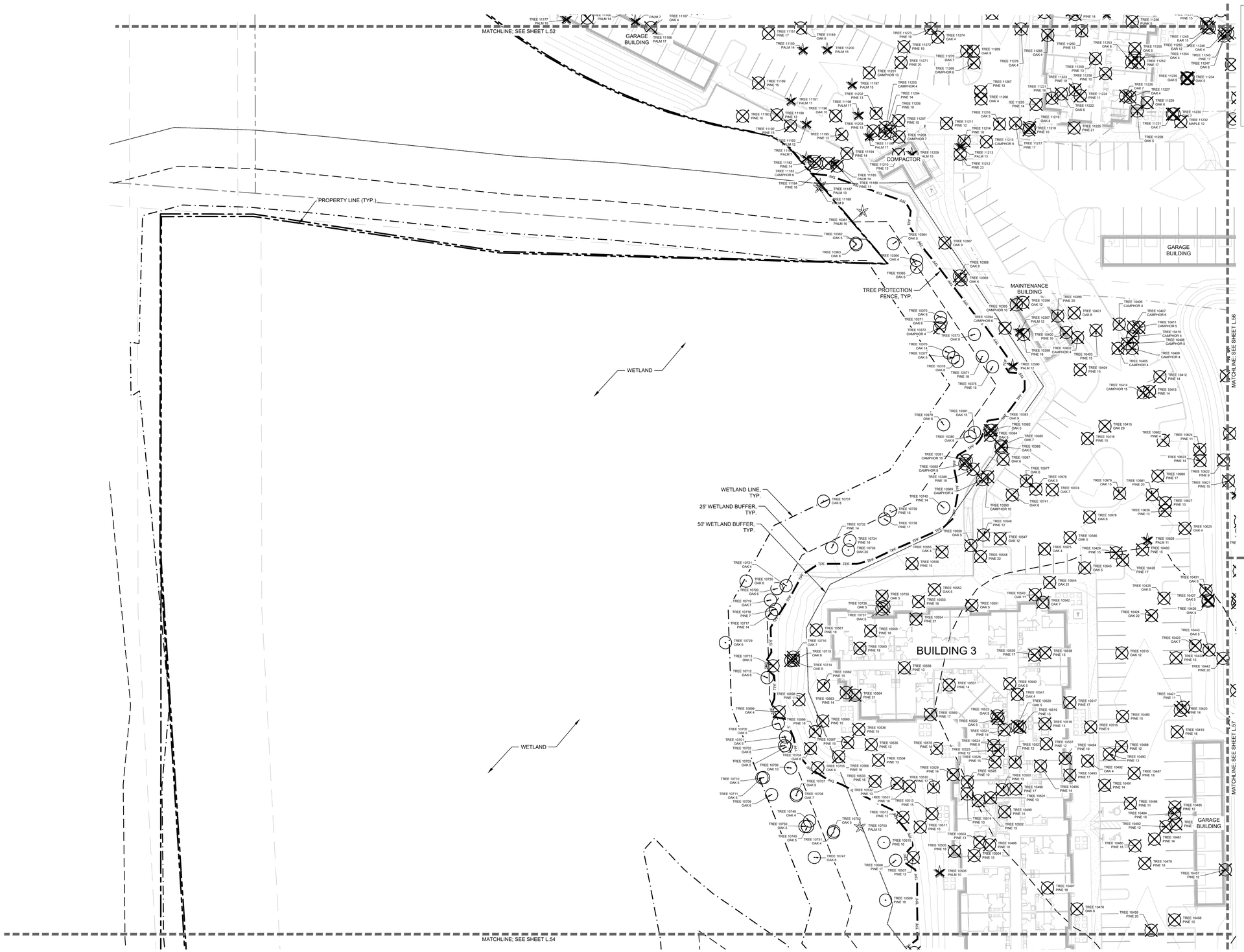
DATE: 10/7/2021

SCALE
DESIGNED BY SKP
DRAWN BY SKP
CHECKED BY WMR

TREE MITIGATION PLAN

MORGAN ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.52



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REGISTERED LANDSCAPE ARCHITECT
WESTON MICHAEL ROGERS
PROFESSIONAL
LA6667442
STATE OF FLORIDA
DATE: 10/5/2021

SCALE
DESIGNED BY SKP
DRAWN BY SKP
CHECKED BY WMR

TREE MITIGATION PLAN

MORGAN ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.53

Drawing name: C:\Users\wes.rogers\appdata\local\temp\AcPublish_908\L.50 - TREE MITIGATION PLAN.dwg L.53 Oct 05, 2021 3:32pm by: Wes.Rogers
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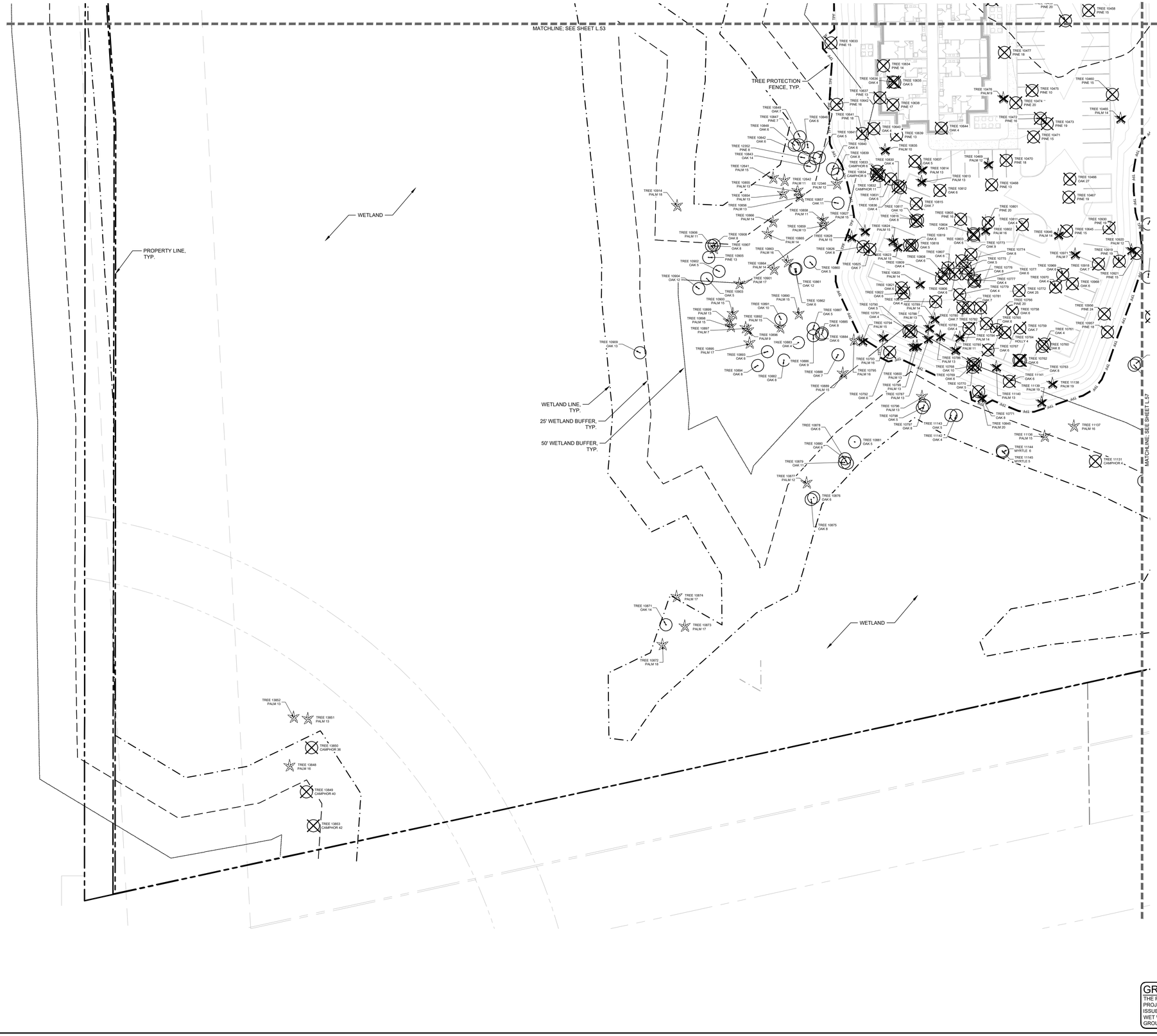

TRC SUBMITTAL 10/13/2021

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM CA 00000696

WES ROGERS LANDSCAPE ARCHITECT LA6667442 STATE OF FLORIDA DATE: 10/13/2021

SCALE	
DESIGNED BY	SKP
DRAWN BY	SKP
CHECKED BY	WMR

TREE MITIGATION PLAN

MORGAN ANCLOTE HARBOR TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.54

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LEGEND:

- TREE TO REMAIN
- TREE TO BE REMOVED
- PALM TO REMAIN
- PALM TO BE REMOVED
- TPF — TREE PROTECTION FENCE

ANCLOTE RIVER

DRY STORMWATER POND

DRY STORMWATER POND

WET STORMWATER POND

TREE PROTECTION FENCE, TYP.

25' WETLAND BUFFER, TYP.

WETLAND LINE, TYP.

50' WETLAND BUFFER, TYP.

TREE PROTECTION FENCE, TYP.

PROPERTY LINE (TYP.)

MATCHLINE: SEE SHEET L52

MATCHLINE: SEE SHEET L54

MATCHLINE: SEE SHEET L56

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

TRC SUBMITTAL 10/13/2021

GROUNDWATER / DEWATERING NOTE:

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WES ROGERS LICENSED PROFESSIONAL LANDSCAPE ARCHITECT LA667442 STATE OF FLORIDA
DATE: 10/13/2021

SCALE
DESIGNED BY SKP
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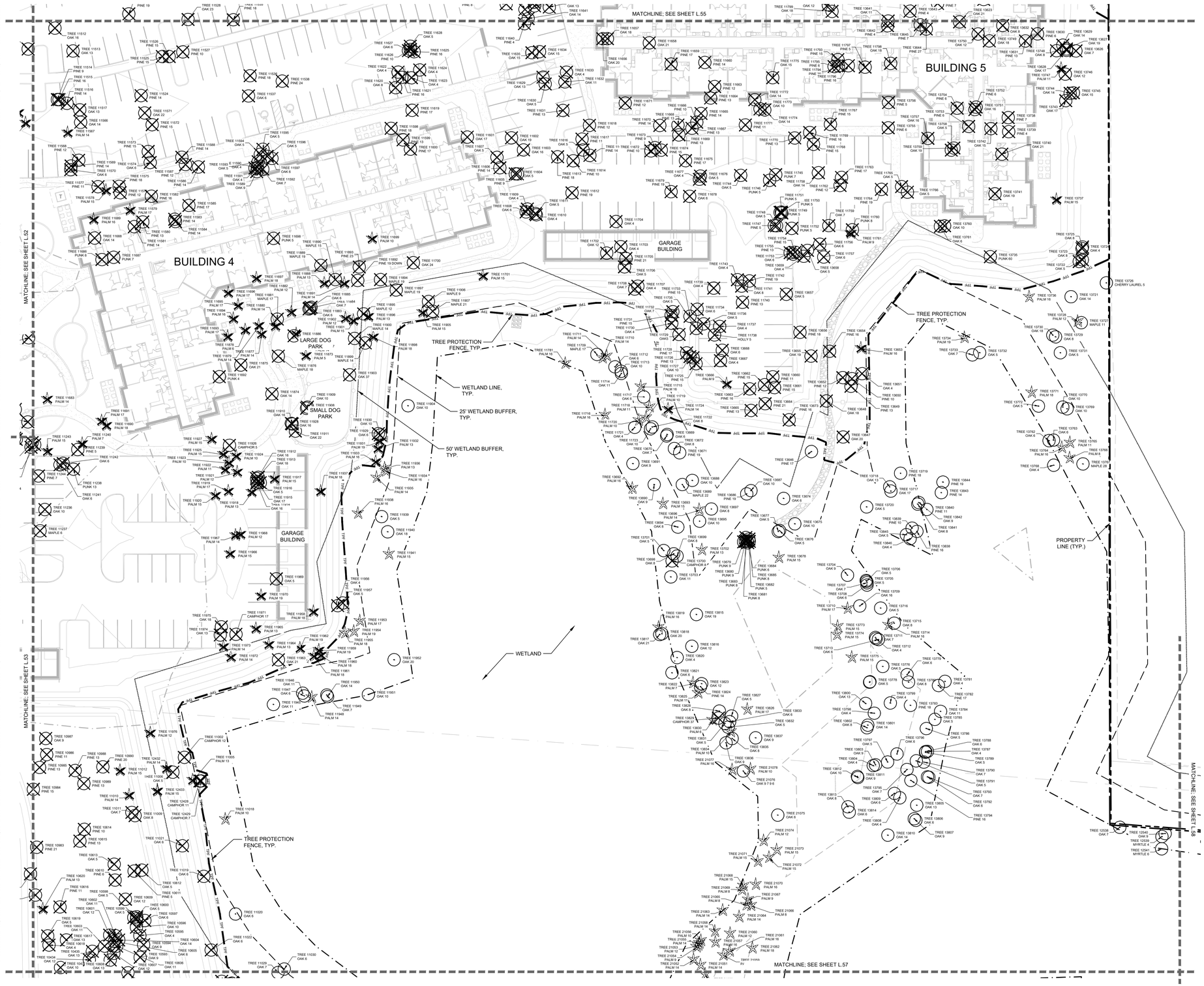
CHECKED BY WMR

TREE MITIGATION PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.55



GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

TRC SUBMITTAL 10/13/2021

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REGISTERED LANDSCAPE ARCHITECT WES ROGERS LA6667442 STATE OF FLORIDA
DATE: 10/13/2021

SCALE	
DESIGNED BY	SKP
DRAWN BY	SKP
CHECKED BY	WMR

TREE MITIGATION PLAN

MORGAN ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.56

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MATCHLINE; SEE SHEET L.56

MATCHLINE; SEE SHEET L.53

MATCHLINE; SEE SHEET L.54

MATCHLINE; SEE SHEET L.58

DRY STORMWATER POND

TREE PROTECTION FENCE, TYP.

TREE PROTECTION FENCE, TYP.

WETLAND

WETLAND

WETLAND LINE, TYP.

25' WETLAND BUFFER, TYP.

50' WETLAND BUFFER, TYP.

PROPERTY LINE, TYP.

LEGEND:

- TREE TO REMAIN
- TREE TO BE REMOVED
- PALM TO REMAIN
- PALM TO BE REMOVED
- TPF TREE PROTECTION FENCE

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

TRC SUBMITTAL 10/13/2021

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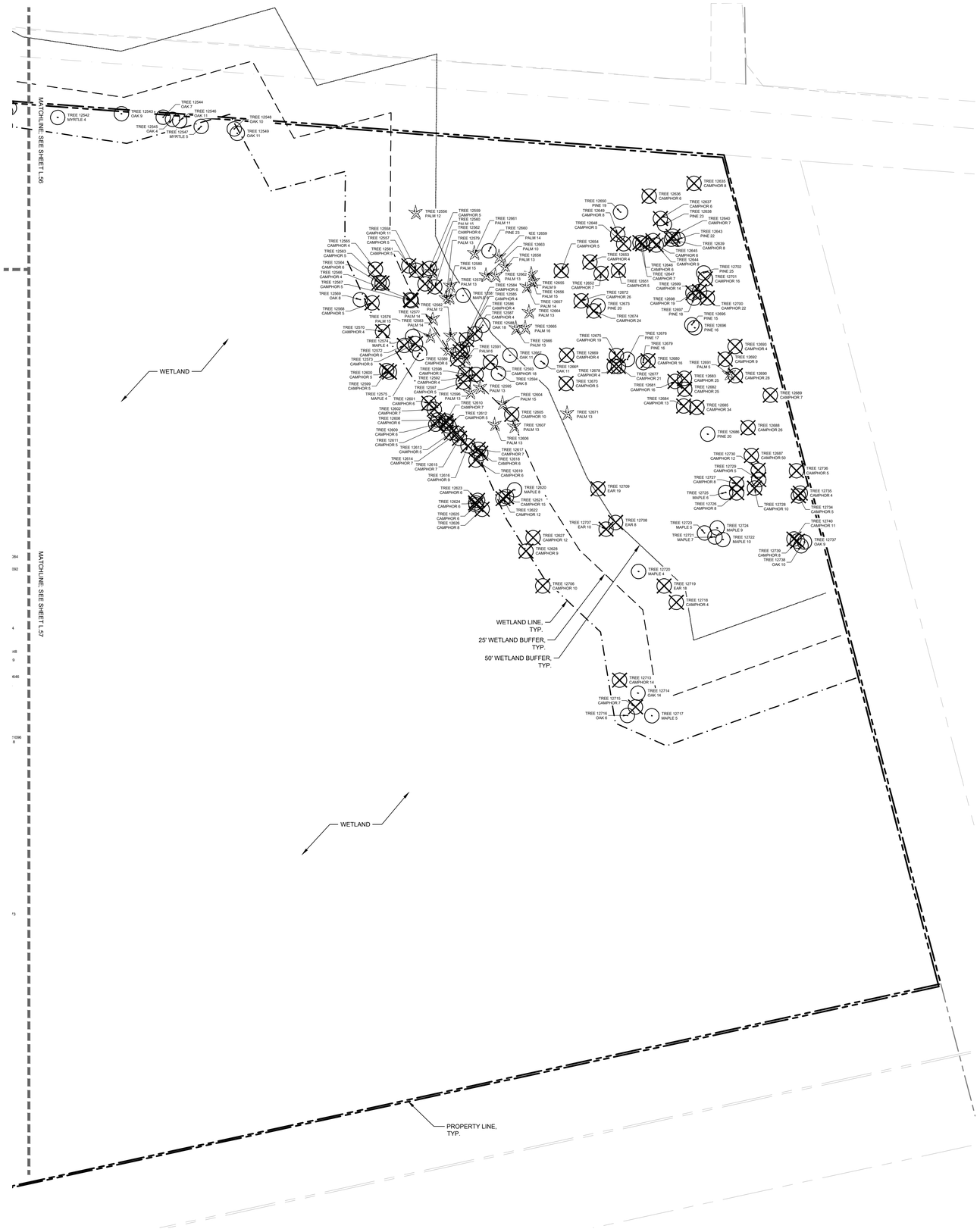
SCALE	
DESIGNED BY	SKP
DRAWN BY	SKP
CHECKED BY	WMR
DATE: 10/13/2021	

TREE MITIGATION PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
10/13/2021
PROJECT NO.
145062001
SHEET NUMBER
L.57



LEGEND:

- TREE TO REMAIN
- TREE TO BE REMOVED
- PALM TO REMAIN
- PALM TO BE REMOVED
- TPF — TREE PROTECTION FENCE

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

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TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.58

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TREE NO.	SPECIES	DBH	ACTION
7	OAK	4	REMOVE
8	OAK	7	REMAIN
9997	PINE	19	REMAIN
9998	PUNK	7	REMOVE
10361	PALM	16	REMAIN
10362	OAK	5	REMAIN
10363	OAK	8	REMAIN
10364	OAK	5	REMAIN
10365	OAK	6	REMAIN
10366	OAK	4	REMAIN
10367	OAK	9	REMOVE
10368	OAK	8	REMOVE
10369	OAK	6	REMOVE
10370	OAK	8	REMAIN
10371	OAK	6	REMAIN
10372	CAMPHOR	4	REMOVE
10373	OAK	8	REMAIN
10375	PINE	15	REMAIN
10376	OAK	14	REMAIN
10377	OAK	5	REMAIN
10378	OAK	6	REMAIN
10379	OAK	6	REMAIN
10380	OAK	6	REMAIN
10381	OAK	15	REMAIN
10382	OAK	5	REMOVE
10383	OAK	9	REMOVE
10384	OAK	5	REMOVE
10385	OAK	7	REMOVE
10386	OAK	5	REMOVE
10387	OAK	6	REMOVE
10388	PINE	18	REMOVE
10389	CAMPHOR	4	REMOVE
10390	CAMPHOR	10	REMOVE
10391	CAMPHOR	16	REMOVE
10392	CAMPHOR	8	REMOVE
10393	PALM	12	REMOVE
10394	CAMPHOR	6	REMOVE
10395	CAMPHOR	10	REMOVE
10396	OAK	12	REMOVE
10397	PALM	12	REMOVE
10398	PINE	18	REMOVE
10399	PINE	20	REMOVE
10400	PINE	16	REMOVE
10401	OAK	8	REMOVE
10402	CAMPHOR	4	REMOVE
10403	PINE	15	REMOVE
10404	PINE	15	REMOVE
10405	CAMPHOR	4	REMOVE
10406	CAMPHOR	4	REMOVE
10407	CAMPHOR	6	REMOVE
10408	CAMPHOR	5	REMOVE
10409	CAMPHOR	4	REMOVE
10410	CAMPHOR	4	REMOVE
10411	CAMPHOR	5	REMOVE
10412	PINE	14	REMOVE
10413	PINE	14	REMOVE
10414	CAMPHOR	15	REMOVE
10415	OAK	29	REMOVE
10416	PINE	15	REMOVE
10419	PINE	18	REMOVE
10420	PINE	14	REMOVE
10421	PINE	11	REMOVE
10422	PINE	15	REMOVE
10423	OAK	7	REMOVE
10424	OAK	22	REMOVE
10425	OAK	5	REMOVE
10426	OAK	4	REMOVE
10427	OAK	5	REMOVE
10428	PINE	17	REMOVE
10429	PINE	15	REMOVE
10430	PINE	15	REMOVE
10431	OAK	6	REMOVE
10432	OAK	8	REMOVE
10433	OAK	10	REMOVE
10434	OAK	12	REMOVE
10435	OAK	13	REMOVE
10436	OAK	13	REMOVE
10437	PINE	15	REMOVE
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10439	OAK	5	REMOVE
10440	OAK	5	REMOVE
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10442	PINE	20	REMOVE
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10445	PINE	19	REMOVE
10446	OAK	5	REMOVE
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10449	OAK	5	REMOVE
10450	PINE	17	REMOVE
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10452	PINE	14	REMOVE
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10454	PINE	24	REMOVE
10455	OAK	4	REMOVE
10456	OAK	4	REMOVE
10457	PINE	12	REMOVE
10458	PINE	15	REMOVE
10459	PINE	20	REMOVE
10460	PINE	15	REMOVE
10461	PINE	21	REMOVE
10462	PALM	14	REMAIN
10463	PALM	12	REMAIN
10464	PINE	15	REMAIN
10465	PALM	14	REMOVE
10466	OAK	27	REMOVE
10467	PINE	19	REMOVE
10468	PINE	13	REMOVE
10469	PALM	12	REMOVE
10470	PINE	18	REMOVE
10471	PINE	15	REMOVE
10472	PINE	16	REMOVE
10473	PINE	19	REMOVE
10474	PINE	20	REMOVE
10475	PINE	10	REMOVE
10476	PALM	9	REMOVE
10477	PINE	18	REMOVE
10478	OAK	6	REMOVE
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10613	OAK	5	REMOVE
10614	PINE	10	REMOVE
10615	PINE	13	REMOVE
10616	PINE	11	REMOVE
10617	OAK	13	REMOVE
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10619	OAK	5	REMOVE
10620	PALM	13	REMOVE
10621	PINE	15	REMOVE
10622	PINE	9	REMOVE
10623	PINE	14	REMOVE
10624	PINE	11	REMOVE
10625	OAK	4	REMOVE
10626	PINE	13	REMOVE
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10628	PALM	11	REMOVE
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10637	PINE	13	REMOVE
10638	PINE	17	REMOVE
10639	PINE	13	REMOVE
10640	OAK	4	REMOVE
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10642	PINE	16	REMOVE
10644	OAK	4	REMOVE
10645	PINE	15	REMOVE
10646	PALM	14	REMOVE
10647	PINE	21	REMAIN
10698	PINE	11	REMOVE
10699	OAK	4	REMOVE
10700	OAK	5	REMAIN
10701	OAK	5	REMAIN
10702	OAK	6	REMAIN
10703	OAK	5	REMAIN
10704	OAK	6	REMOVE
10705	OAK	6	REMOVE
10706	OAK	10	REMAIN
10707	OAK	5	REMAIN
10708	OAK	7	REMAIN
10709	OAK	6	REMAIN
10710	OAK	5	REMAIN
10711	OAK	5	REMAIN
10712	OAK	6	REMAIN
10713	OAK	5	REMOVE
10714	OAK	9	REMOVE
10715	OAK	6	REMOVE
10716	OAK	7	REMOVE
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10718	PINE	7	REMAIN
10719	OAK	7	REMAIN
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10721	OAK	4	REMAIN
10729	OAK	6	REMAIN
10730	OAK	6	REMAIN
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10732	PINE	14	REMAIN
10733	OAK	20	REMAIN
10734	PINE	18	REMAIN
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10737	OAK	5	REMOVE
10738	PINE	11	REMAIN
10739	PINE	15	REMAIN
10740	PINE	14	REMAIN
10741	OAK	6	REMOVE
10747	OAK	6	REMAIN
10748	OAK	4	REMAIN
10749	OAK	5	REMAIN
10750	OAK	5	REMAIN
10751	OAK	4	REMAIN
10752	OAK	5	REMAIN
10753	PALM	12	REMAIN
10758	OAK	6	REMOVE
10759	OAK	7	REMOVE
10760	OAK	8	REMOVE
10761	OAK	4	REMOVE
10762	OAK	6	REMOVE
10763	OAK	8	REMOVE
10764	HOLLY	4	REMOVE
10765	OAK	6	REMOVE
10766	PINE	20	REMOVE
10767	OAK	6	REMOVE
10768	OAK	10	REMOVE
10769	OAK	6	REMOVE
10770	OAK	5	REMOVE
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10772	OAK	25	REMOVE
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10774	OAK	8	REMOVE
10775	OAK	5	REMOVE
10776	OAK	8	REMOVE
10777	OAK	4	REMOVE
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10779	OAK	4	REMOVE
10780	OAK	7	REMOVE
10781	OAK	7	REMOVE
10782	OAK	7	REMOVE
10783	OAK	4	REMOVE
10784	PALM	14	REMOVE
10785	PALM	11	REMOVE
10786	PALM	13	REMOVE
10787	PALM	13	REMOVE
10788	PALM	13	REMOVE
10789	PALM	14	REMOVE
10790	OAK	5	REMOVE
10791	OAK	4	REMOVE
10792	OAK	6	REMOVE
10793	PALM	16	REMOVE
10794	PALM	15	REMOVE
10795	PALM	16	REMAIN
10796	PALM	13	REMAIN
10797	OAK	8	REMAIN
10798	OAK	5	REMAIN
10799	PALM	13	REMOVE
10800	PALM	13	REMOVE
10801	PINE	20	REMOVE
10802	PALM	16	REMOVE
10803	OAK	6	REMOVE
10804	OAK	5	REMOVE
10805	PINE	16	REMOVE
10806	OAK	6	REMOVE
10807	OAK	6	REMOVE
10808	OAK	6	REMOVE
10809	OAK	4	REMOVE
10810	OAK	4	REMOVE
10811	OAK	4	REMOVE
10812	OAK	6	REMOVE
10813	PALM	13	REMOVE
10814	PALM	13	REMOVE
10815	OAK	7	REMOVE
10816	OAK	8	REMOVE
10817	OAK	10	REMOVE
10818	OAK	5	REMOVE
10819	OAK	6	REMOVE
10820	PALM	14	REMOVE
10821	OAK	6	REMOVE
10822	OAK	6	REMOVE
10823	PALM	15	REMOVE
10824	PALM	15	REMOVE
10825	OAK	7	REMOVE
10826	OAK	8	REMOVE
10827	PALM	15	REMOVE
10828	PALM	15	REMOVE
10829	OAK	6	REMOVE
10830	OAK	4	REMOVE
10831	OAK	6	REMOVE
10832	CAMPHOR	11	REMOVE
10833	CAMPHOR	6	REMOVE
10834	CAMPHOR	9	REMOVE
10835	PALM	10	REMOVE
10836	OAK	4	REMOVE
10837	OAK	5	REMOVE
10839	OAK	8	REMAIN
10840	OAK	6	REMAIN
10841	OAK	5	REMAIN
10842	OAK	6	REMAIN
10843	OAK	14	REMAIN
10845	PALM	20	REMOVE
10846	OAK	6	REMAIN
10847	PINE	7	REMAIN
10848	OAK	6	REMAIN
10849	OAK	7	REMAIN
10854	PALM	13	REMAIN
10855	PALM	13	REMAIN
10856	PALM	13	REMAIN
10857	OAK	11	REMAIN
10858	PALM	11	REMAIN
10859	PALM	13	REMAIN
10860	OAK	5	REMAIN
10861	OAK	12	REMAIN
10862	OAK	6	REMAIN
10863	PALM	16	REMAIN
10864	PALM	14	REMAIN
10865	PALM	14	REMAIN
10866	PALM	14	REMAIN
10871	OAK	14	REMAIN
10872	PALM	18	REMAIN
10873	PALM	17	REMAIN
10874	PALM	17	REMAIN
10875	OAK	8	REMAIN
10876	OAK	6	REMAIN
10877	PALM	12	REMAIN
10878	OAK	6	REMAIN
10879	OAK	11	REMAIN
10880	OAK	6	REMAIN
10881	OAK	5	REMAIN
10882	OAK	8	REMAIN
10883	OAK	4	REMAIN
10884	OAK	6	REMAIN
10885	OAK	8	REMAIN
10886	OAK	9	REMAIN
10887	OAK	5	REMAIN
10888	OAK	7	REMAIN
10889	PALM	15	REMAIN
10890	PALM	15	REMAIN
10891	OAK	10	REMAIN
10892	PALM	15	REMAIN
10893	OAK	6	REMAIN
10894	OAK	8	REMAIN
10895	PALM	17	REMAIN
10896	PALM	9	REMAIN
10897	PALM	7	REMAIN
10898	PALM	15	REMAIN
10899	PALM	13	REMAIN
10900	PALM	15	REMAIN
10901	PALM	17	REMAIN
10902	OAK	5	REMAIN
10903	OAK	5	REMAIN
10904	OAK	12	REMAIN
10905	PINE	13	REMAIN
10906	PALM	11	REMAIN
10907	OAK	8	REMAIN
10908	OAK	8	REMAIN
10909	OAK	13	REMAIN
10914	PALM	18	REMAIN
10918	OAK	7	REMOVE
10919	PINE	19	REMOVE
10920	PALM	12	REMOVE
10921	PINE	15	REMOVE
10922	PALM	9	REMAIN
10923	OAK	6	REMAIN
10924	OAK	7	REMAIN
10925	PINE	20	REMAIN
10926	PINE	17	REMAIN
10927	OAK	5	REMAIN
10928	PALM	14	REMAIN
10929	OAK	4	REMAIN
10930	PINE	19	REMOVE
10931	OAK	6	REMAIN
10932	OAK	7	REMAIN
10933	OAK	7	REMAIN
10935	OAK	11	REMAIN
10936	CAMPHOR	8	REMOVE
10937	OAK	6	REMAIN
10938	PALM	14	REMAIN
10939	PALM	15	REMAIN
10940	PALM	10	REMAIN
10941	PALM	14	REMAIN
10942	OAK	10	REMAIN
10943	OAK	5	REMAIN
10944	CAMPHOR	33	REMOVE
10945	OAK	4	REMAIN
10946	BAY	13	REMAIN
10947	BAY	10	REMAIN
10948	PALM	13	REMAIN
10949	PALM	18	REMAIN
10950	OAK	8	REMAIN
10951	PALM	13	REMAIN
10952	PALM	13	REMAIN
10956	PINE	24	REMOVE
10957	PINE	18	REMOVE
10958	CAMPHOR	29	REMOVE
10959	OAK	8	REMAIN
10960	MAPLE	7	REMAIN
10961	MAPLE	8	REMAIN
10962	OAK	22	REMAIN
10963	PALM	18	REMAIN
10964	PALM	15	REMAIN
10965	OAK	6	REMAIN
10966	PALM	12	REMAIN
10968	OAK	6	REMOVE
10969	OAK	6	REMOVE
10970	OAK	4	REMOVE
10971	PALM	7	REMOVE
10974	OAK	7	REMOVE
10975	OAK	4	REMOVE
10976	OAK	5	REMOVE
10977	OAK	6	REMOVE
10978	OAK	6	REMOVE
10979	OAK	15	REMOVE
10980	PINE	17	REMOVE
10981	PINE	20	REMOVE
10982	PINE	4	REMOVE
10983	PINE	21	REMOVE
10984	PINE	15	REMOVE
10985	PINE	13	REMOVE
10986	PINE	11	REMOVE
10987	OAK	9	REMOVE
10988	PINE	13	REMOVE
10989	PINE	13	REMOVE
10990	PINE	20	REMOVE
11002	CAMPHOR	12	REMOVE
11005	PALM	13	REMOVE
11006	OAK	5	REMOVE
11008	PALM	15	REMOVE
11009	OAK	8	REMOVE
11010	PALM	14	REMOVE
11011	OAK	7	REMOVE
11012	PALM	15	REMOVE
11018	PALM	10	REMAIN
11019	OAK	6	REMOVE
11020	OAK	6	REMAIN
11021	OAK	6	REMOVE
11022	OAK	6	REMOVE
11023	OAK	5	REMOVE
11024	OAK	5	REMOVE
11025	OAK	6	REMOVE
11026	OAK	6	REMOVE
11027	OAK	10	REMAIN
11028	OAK	6	REMAIN
11029	OAK	7	REMAIN
11030	OAK	6	REMAIN
11031	PALM	17	REMAIN
11032	PALM	16	REMAIN
11033	PALM	15	REMAIN
11034	PALM	16	REMAIN
11035	PALM	18	REMAIN
11036	PALM	15	REMAIN
11037	OAK	12	REMAIN
11038	OAK	13	REMAIN
11039	PALM	18	REMAIN
11040	CHERRY LAURAL	7	REMAIN
11041	OAK	8	REMAIN
11042	MAPLE	7	REMAIN
11043	OAK	13	REMAIN
11044	PALM	15	REMAIN
11045	OAK	4	REMAIN
11046	CAMPHOR	4	REMOVE
11047	OAK	5	REMAIN
11048	OAK	8	REMAIN
11049	OAK	7	REMAIN
11050	CAMPHOR	8	REMOVE
11051	OAK	7	REMAIN
11052	CAMPHOR	7	REMOVE
11053	OAK	4	REMAIN
11054	OAK	4	REMAIN
11055	OAK	9	REMAIN
11056	OAK	6	REMAIN
11057	PALM	16	REMAIN
11058	OAK	7	REMAIN
11059	PALM	18	REMAIN
11060	OAK	7	REMAIN
11061	PALM	14	REMAIN
11062	OAK	4	REMAIN
11063	MYRTLE	8	REMAIN
11064	OAK	4	REMAIN
11065	OAK	6	REMAIN
11066	PALM	17	REMAIN
11067	OAK	5	REMAIN
11068	OAK	4	REMAIN
11069	OAK	6	REMAIN
11070	OAK	10	REMAIN
11071	OAK	4	REMAIN
11072	OAK	5	REMOVE
11073	OAK	4	REMOVE
11074	OAK	5	REMOVE
11075	OAK	4	REMOVE
11076	OAK	5	REMOVE
11077	OAK	4	REMAIN
11078	OAK	4	REMAIN
11079	OAK	4	REMAIN
11080	OAK	5	REMAIN
11081	OAK	10	REMAIN
11082	OAK	8	REMAIN
11083	OAK	6	REMAIN
11084	OAK	8	REMAIN
11085	OAK	5	REMAIN
11086	OAK	6	REMAIN
11087	PALM	15	REMOVE
11088	OAK	8	REMOVE
11089	OAK	5	REMOVE
11090	PINE	12	REMOVE
11091	PINE	17	REMOVE
11092	PINE	16	REMOVE
11093	PALM	15	REMOVE
11094	PALM	13	REMOVE
11095	PINE	13	REMOVE
11096	OAK	5	REMAIN
11097	OAK	4	REMAIN
11098	OAK	5	REMAIN
11099	OAK	6	REMAIN
11100	PALM	14	REMAIN
11101	PALM	15	REMAIN
11102	OAK	22	REMAIN
11103	OAK	6	REMAIN
11104	PALM	16	REMAIN
11105	PALM	14	REMAIN
11106	OAK	16	REMAIN
11107	OAK	11	REMAIN
11108	OAK	6	REMAIN
11109	OAK	7	REMAIN
11110	PALM	16	REMAIN
11111	PALM	16	REMAIN
11112	PALM	15	REMAIN
11113	MAPLE	5	REMAIN
11114	MAPLE	4	REMAIN
11117	MAPLE	5	REMAIN
11118	MAPLE	6	REMAIN
11119	OAK	4	REMAIN
11120	PALM	15	REMAIN
11121	PALM	17	REMAIN
11122	PALM	12	REMAIN
11123	PALM	15	REMAIN
11124	PALM	16	REMAIN
11125	OAK	8	REMAIN
11126	OAK	5	REMAIN
11127	OAK	6	REMAIN
11128	OAK	7	REMAIN
11129	OAK	14	REMAIN
11130	OAK	4	REMAIN
11131	CAMPHOR	4	REMOVE
11136	PALM	15	REMAIN
11137	PALM	16	REMAIN
11138	PALM	19	REMOVE
11139	PALM	19	REMOVE
11140	PALM	13	REMOVE
11141	OAK	6	REMOVE
11142	OAK	4	REMAIN
11143	OAK	5	REMAIN
11144	MYRTLE	6	REMAIN
11145	MYRTLE	5	REMAIN
11149	OAK	6	REMOVE
11150	PALM	14	REMOVE
11151	PINE	17	REMOVE
11152	PINE	15	REMOVE
11153	PINE	15	REMOVE
11154	PINE	20	REMOVE
11155	PINE	21	REMOVE
11156	PINE	15	REMOVE
11157	OAK	6	REMOVE
11158	OAK	6	REMOVE
11159	OAK	6	REMOVE
11160	OAK	5	REMOVE
11161	OAK	7	REMOVE
11162	PALM	7	REMOVE
11163	PALM	11	REMOVE
11164	PALM	16	REMOVE
11165	PALM	13	REMOVE
11166	PALM	14	REMOVE
11167	OAK	4	REMOVE
11168	PALM	17	REMOVE
11169	PALM	7	REMOVE
11170	OAK	6	REMOVE
11171	PALM	16	REMOVE
11172	OAK	6	REMOVE
11173	OAK	5	REMOVE
11174	PINE	7	REMOVE
11175	PINE	7	REMOVE
11176	PINE	11	REMOVE
11177	PALM	16	REMOVE
11178	OAK	6	REMOVE
11179	OAK	6	REMOVE
11180	PINE	16	REMOVE
11181	PALM	7	REMOVE
11182	PINE	14	REMOVE
11183	CAMPHOR	6	REMOVE
11184	PINE	18	REMOVE
11185	PALM	14	REMOVE
11186	PINE	11	REMOVE
11187	PALM	13	REMAIN
11188	PALM	9	REMAIN
11189	PINE	15	REMOVE
11190	PINE	13	REMOVE
11191	PALM	11	REMOVE
11192	PINE	15	REMOVE
11193	PALM	12	REMOVE
11194	PINE	14	REMOVE
11195	PINE	13	REMOVE
11196	OAK	10	REMOVE
11197	PALM	15	REMOVE
11198	PALM	17	REMOVE
11199	PALM	17	REMOVE
11200	PALM	15	REMOVE
11201	CAMPHOR	13	REMOVE
11202	PINE	13	REMOVE
11203	PINE	13	REMOVE
11204	PINE	14	REMOVE
11205	CAMPHOR	4	REMOVE
11206	PINE	18	REMOVE
11207	PINE	15	REMOVE
11208	CAMPHOR	7	REMOVE
11209	PALM	15	REMOVE
11210	PINE	13	REMOVE
11211	PINE	12	REMOVE
11212	PINE	23	REMOVE
11213	PALM	13	REMOVE
11214	PINE	18	REMOVE
11215	CAMPHOR	9	REMOVE
11216	OAK	5	REMOVE
11217	PINE	17	REMOVE
11218	PINE	10	REMOVE
11219	OAK	4	REMOVE
11220	PINE	14	REMOVE
11221	PINE	16	REMOVE
11222	OAK	6	REMOVE
11223	PINE	18	REMOVE
11224	PINE	11	REMOVE
11225	PINE	21	REMOVE
11226	OAK	7	REMOVE
11227	OAK	4	REMOVE
11228	OAK	5	REMOVE
11229	OAK	6	REMOVE
11230	OAK	7	REMOVE
11231	OAK	7	REMOVE
11232	MAPLE	12	REMOVE
11233	OAK	4	REMOVE
11234	OAK	5	REMOVE
11235	OAK	5

TREE NO.	SPECIES	DBH	ACTION
11619	PINE	17	REMOVE
11620	OAK	8	REMOVE
11621	PINE	16	REMOVE
11622	OAK	4	REMOVE
11623	OAK	4	REMOVE
11624	OAK	4	REMOVE
11625	PINE	16	REMOVE
11626	PINE	10	REMOVE
11627	OAK	6	REMOVE
11628	OAK	5	REMOVE
11629	OAK	13	REMOVE
11630	OAK	5	REMOVE
11631	PINE	13	REMOVE
11632	OAK	11	REMOVE
11633	OAK	4	REMOVE
11634	OAK	15	REMOVE
11635	OAK	15	REMOVE
11636	PINE	8	REMOVE
11637	OAK	5	REMOVE
11638	PINE	5	REMOVE
11639	OAK	14	REMOVE
11640	PINE	4	REMOVE
11641	OAK	14	REMOVE
11642	OAK	13	REMOVE
11643	OAK	13	REMOVE
11644	OAK	14	REMOVE
11645	OAK	13	REMOVE
11646	OAK	13	REMOVE
11647	OAK	11	REMOVE
11648	OAK	19	REMOVE
11649	OAK	12	REMOVE
11650	OAK	13	REMOVE
11651	OAK	14	REMOVE
11652	OAK	13	REMOVE
11653	OAK	14	REMOVE
11654	OAK	14	REMOVE
11655	OAK	25	REMOVE
11656	OAK	20	REMOVE
11657	OAK	18	REMOVE
11658	OAK	21	REMOVE
11659	PINE	17	REMOVE
11660	PINE	14	REMOVE
11663	PINE	12	REMOVE
11664	PINE	13	REMOVE
11665	PINE	14	REMOVE
11666	PINE	10	REMOVE
11667	PINE	13	REMOVE
11668	PINE	13	REMOVE
11669	PINE	13	REMOVE
11670	PINE	14	REMOVE
11671	PINE	12	REMOVE
11672	PINE	10	REMOVE
11673	PINE	9	REMOVE
11674	PINE	15	REMOVE
11675	PINE	17	REMOVE
11676	OAK	5	REMOVE
11677	OAK	4	REMOVE
11678	OAK	6	REMOVE
11679	PINE	19	REMOVE
11683	PALM	14	REMOVE
11684	EAR	12	REMOVE
11685	PUNK	45	REMOVE
11686	PUNK	6	REMOVE
11687	PUNK	7	REMOVE
11688	OAK	14	REMOVE
11689	PALM	16	REMOVE
11690	PALM	18	REMOVE
11691	PALM	17	REMOVE
11692	PUNK	4	REMOVE
11693	PALM	17	REMOVE
11694	PALM	16	REMOVE
11695	PALM	17	REMOVE
11696	PALM	17	REMOVE
11697	PALM	18	REMOVE
11698	PUNK	5	REMOVE
11699	PALM	10	REMOVE
11700	OAK	24	REMOVE
11701	PALM	15	REMOVE
11702	OAK	12	REMOVE
11703	OAK	4	REMOVE
11704	OAK	4	REMOVE
11705	PINE	21	REMOVE
11706	OAK	5	REMOVE
11707	OAK	4	REMOVE
11708	OAK	7	REMOVE
11709	MAPLE	17	REMAIN
11710	PALM	14	REMAIN
11711	PALM	14	REMAIN
11712	OAK	6	REMAIN
11713	OAK	10	REMAIN
11714	OAK	11	REMAIN
11715	PALM	16	REMAIN
11716	PALM	16	REMAIN
11717	OAK	6	REMAIN
11718	PALM	11	REMAIN
11719	PALM	10	REMAIN
11720	PALM	10	REMAIN
11721	OAK	4	REMAIN
11722	OAK	8	REMAIN
11723	OAK	10	REMAIN
11724	PALM	14	REMOVE
11725	PINE	15	REMOVE
11726	PINE	13	REMOVE
11727	OAK	10	REMOVE
11728	PINE	17	REMOVE
11729	OAK	5	REMOVE
11730	OAK	4	REMOVE
11731	PINE	15	REMOVE
11732	OAK	7	REMOVE
11733	PINE	15	REMOVE
11734	OAK	6	REMOVE
11735	OAK	5	REMOVE
11736	OAK	5	REMOVE

TREE NO.	SPECIES	DBH	ACTION
11737	OAK	4	REMOVE
11738	HOLLY	5	REMOVE
11739	OAK	4	REMOVE
11740	PINE	13	REMOVE
11741	OAK	8	REMOVE
11742	PINE	19	REMOVE
11743	OAK	4	REMOVE
11744	OAK	5	REMOVE
11745	PUNK	7	REMOVE
11746	PUNK	5	REMOVE
11747	PINE	5	REMOVE
11748	OAK	5	REMOVE
11749	PUNK	5	REMOVE
11750	PUNK	5	REMOVE
11751	PUNK	5	REMOVE
11752	PUNK	5	REMOVE
11753	OAK	6	REMOVE
11754	PINE	15	REMOVE
11755	PINE	13	REMOVE
11756	OAK	6	REMOVE
11757	OAK	6	REMOVE
11758	OAK	14	REMOVE
11759	OAK	7	REMOVE
11760	PUNK	8	REMOVE
11761	PALM	9	REMOVE
11762	PINE	12	REMOVE
11763	PINE	17	REMOVE
11764	PINE	19	REMOVE
11765	OAK	5	REMOVE
11766	OAK	5	REMOVE
11767	PINE	15	REMOVE
11768	PINE	15	REMOVE
11769	PINE	16	REMOVE
11770	PINE	13	REMOVE
11771	PINE	11	REMOVE
11772	OAK	14	REMOVE
11773	OAK	10	REMOVE
11774	OAK	14	REMOVE
11775	OAK	15	REMOVE
11781	PALM	16	REMAIN
11782	OAK	22	REMOVE
11783	PINE	5	REMOVE
11784	OAK	20	REMOVE
11785	OAK	19	REMOVE
11786	OAK	12	REMOVE
11787	PINE	6	REMOVE
11788	OAK	11	REMOVE
11789	OAK	13	REMOVE
11790	OAK	19	REMOVE
11791	OAK	29	REMOVE
11792	OAK	37	REMOVE
11793	PINE	15	REMOVE
11794	PINE	20	REMOVE
11795	PINE	6	REMOVE
11796	PINE	16	REMOVE
11797	PINE	5	REMOVE
11798	OAK	18	REMOVE
11799	OAK	18	REMOVE
11800	OAK	12	REMOVE
11801	OAK	7	REMOVE
11802	OAK	17	REMOVE
11803	OAK	17	REMOVE
11804	OAK	26	REMOVE
11805	OAK	17	REMOVE
11806	PINE	4	REMOVE
11807	OAK	5	REMOVE
11808	PINE	10	REMOVE
11809	PINE	9	REMOVE
11810	OAK	23	REMOVE
11811	OAK	18	REMOVE
11812	PINE	8	REMOVE
11813	OAK	21	REMOVE
11814	OAK	17	REMOVE
11815	PINE	5	REMOVE
11816	PINE	5	REMOVE
11817	OAK	23	REMOVE
11818	PINE	6	REMOVE
11819	OAK	12	REMOVE
11820	OAK	20	REMOVE
11821	OAK	14	REMOVE
11822	OAK	12	REMOVE
11823	OAK	12	REMOVE
11824	OAK	14	REMOVE
11825	OAK	14	REMOVE
11826	OAK	18	REMOVE
11827	OAK	18	REMOVE
11828	OAK	21	REMOVE
11829	OAK	6	REMOVE
11830	OAK	13	REMOVE
11831	OAK	13	REMOVE
11832	OAK	12	REMOVE
11833	PINE	6	REMOVE
11834	OAK	9	REMOVE
11835	OAK	10	REMOVE
11836	OAK	11	REMOVE
11837	OAK	5	REMOVE
11838	OAK	7	REMOVE
11839	OAK	7	REMOVE
11840	OAK	11	REMOVE
11841	PINE	11	REMOVE
11842	OAK	11	REMOVE
11843	OAK	8	REMOVE
11844	OAK	9	REMOVE
11845	OAK	9	REMOVE
11846	OAK	20	REMOVE
11847	OAK	19	REMOVE
11848	OAK	14	REMOVE
11849	OAK	19	REMOVE
11850	OAK	7	REMOVE
11851	OAK	7	REMOVE
11852	OAK	8	REMOVE
11853	OAK	24	REMOVE
11854	OAK	21	REMOVE

TREE NO.	SPECIES	DBH	ACTION
11856	OAK	14	REMOVE
11857	ELM	8	REMOVE
11858	OAK	14	REMOVE
11859	OAK	18	REMOVE
11860	OAK	16	REMOVE
11861	OAK	8	REMOVE
11862	OAK	22	REMOVE
11863	OAK	5	REMOVE
11873	PALM	5	REMOVE
11874	OAK	14	REMOVE
11875	OAK	21	REMOVE
11876	MAPLE	18	REMOVE
11877	PALM	14	REMOVE
11878	PALM	6	REMOVE
11879	PALM	14	REMOVE
11880	PALM	14	REMOVE
11881	MAPLE	17	REMOVE
11882	PALM	12	REMOVE
11883	OAK	6	REMOVE
11884	OAK	7	REMOVE
11885	OAK	6	REMOVE
11886	MAPLE	12	REMOVE
11887	PALM	14	REMOVE
11888	PALM	13	REMOVE
11889	MAPLE	19	REMOVE
11890	MAPLE	15	REMOVE
11891	PALM	14	REMOVE
11892	PINE	19	REMOVE
11893	PINE	23	REMOVE
11894	MAPLE	19	REMOVE
11895	MAPLE	12	REMOVE
11896	PALM	13	REMOVE
11897	MAPLE	19	REMOVE
11898	PALM	18	REMOVE
11899	MAPLE	14	REMOVE
11900	MAPLE	14	REMOVE
11901	PALM	15	REMOVE
11902	PALM	12	REMOVE
11903	OAK	37	REMOVE
11904	OAK	10	REMAIN
11905	PALM	15	REMOVE
11906	MAPLE	9	REMOVE
11907	MAPLE	21	REMOVE
11908	OAK	7	REMOVE
11909	OAK	10	REMOVE
11910	OAK	16	REMOVE
11911	OAK	22	REMOVE
11912	OAK	16	REMOVE
11913	OAK	18	REMOVE
11914	OAK	16	REMOVE
11915	OAK	17	REMOVE
11916	OAK	5	REMOVE
11917	PALM	15	REMOVE
11918	PALM	13	REMOVE
11919	PALM	17	REMOVE
11920	PALM	15	REMOVE
11921	PALM	12	REMOVE
11922	PALM	11	REMOVE
11923	PALM	10	REMOVE
11924	PALM	10	REMOVE
11925	PALM	15	REMOVE
11926	CAMPHOR	5	REMOVE
11927	PALM	15	REMOVE
11928	OAK	16	REMOVE
11929	OAK	6	REMOVE
11930	OAK	10	REMOVE
11931	PALM	19	REMOVE
11932	PALM	13	REMOVE
11933	PALM	16	REMOVE
11934	PALM	16	REMAIN
11935	PALM	14	REMAIN
11936	PALM	13	REMAIN
11937	PALM	18	REMOVE
11938	PALM	16	REMAIN
11939	OAK	5	REMAIN
11940	OAK	18	REMAIN
11941	PALM	15	REMAIN
11945	OAK	11	REMAIN
11946	OAK	11	REMAIN
11947	OAK	6	REMAIN
11948	PALM	14	REMAIN
11949	OAK	7	REMAIN
11950	OAK	14	REMAIN
11951	OAK	10	REMAIN
11952	OAK	20	REMAIN
11953	PALM	17	REMAIN
11954	PALM	19	REMAIN
11955	PALM	18	REMAIN
11956	OAK	4	REMOVE
11957	Oak	5	REMOVE
11958	PALM	18	REMOVE
11959	PALM	19	REMOVE
11960	PALM	18	REMOVE
11961	PALM	18	REMOVE
11962	PALM	19	REMOVE
11963	OAK	21	REMOVE
11964	PALM	13	REMOVE
11965	PALM	13	REMOVE
11966	PALM	15	REMOVE
11967	PALM	14	REMOVE
11968	PALM	12	REMOVE
11969	OAK	5	REMOVE
11970	PALM	19	REMOVE
11971	CAMPHOR	17	REMOVE
11972	PALM	14	REMOVE
11973	PALM	14	REMOVE
11974	OAK	13	REMOVE
11975	OAK	18	REMOVE
11976	PALM	12	REMOVE
11990	PINE	19	REMOVE
11991	PUNK	16	REMOVE
11992	OAK	15	REMOVE
11993	PUNK	10	REMOVE

TREE NO.	SPECIES	DBH	ACTION
11994	OAK	19	REMOVE
11995	UNKOWN	9	REMOVE
11996	OAK	15	REMOVE
11997	OAK	19	REMOVE
11998	OAK	19	REMOVE
11999	OAK	13	REMOVE
12000	OAK	5	REMOVE
12001	OAK	9	REMOVE
12002	OAK	14	REMOVE
12003	OAK	15	REMOVE
12004	OAK	14	REMOVE
12005	OAK	14	REMOVE
12006	OAK	13	REMOVE
12007	OAK	18	REMOVE
12008	OAK	15	REMOVE
12009	PINE	26	REMOVE
12010	OAK	18	REMOVE
12011	OAK	14	REMOVE
12012	OAK	18	REMOVE
12013	OAK	23	REMOVE
12014	OAK	18	REMOVE
12015	OAK	14	REMOVE
12016	OAK	22	REMOVE
12017	OAK	19	REMOVE
12018	OAK	18	REMOVE
12023	OAK	7	REMAIN
12024	OAK	6	REMAIN
12025	OAK	8	REMAIN
12026	OAK	12	REMAIN
12027	OAK	8	REMAIN
12028	OAK	16	REMAIN
12029	PINE	8	REMAIN
12030	PINE	9	REMAIN
12031	OAK	5	REMAIN
12032	OAK	8	REMAIN
12033	OAK	8	REMAIN
12034	PINE	15	REMAIN
12035	OAK	6	REMAIN
12036	PINE	16	REMAIN
12037	PINE	10	REMAIN
12038	PINE	6	REMAIN
12039	OAK	5	REMAIN
12040	OAK	5	REMAIN
12041	PINE	16	REMAIN
12042	OAK	6	REMAIN
12043	OAK	16	REMAIN
12044	PINE	14	REMAIN
12045	OAK	24	REMOVE
12046	CEDAR	5	REMOVE
12047	OAK	12	REMOVE
12048	PALM	10	REMOVE
12049	OAK	14	REMOVE
12050	OAK	6	REMOVE
12051	OAK	16	REMOVE
12052	OAK	15	REMOVE
12053	PINE	9	REMOVE
12054	PINE	8	REMOVE
12055	OAK	18	REMOVE
12064	OAK	13	REMAIN
12065	OAK	10	REMAIN
12066	OAK	9	REMAIN
12067	OAK	5	REMAIN
12068	PINE	6	REMAIN
12069	OAK	5	REMOVE
12070	OAK	5	REMOVE
12071	OAK	15	REMOVE
12072	OAK	16	REMOVE
12073	PINE	6	REMOVE
12074	PUNK	19	REMOVE
12075	PUNK	12	REMOVE
12076	PUNK	9	REMOVE
12077	PUNK	11	REMOVE
12078	PUNK	7	REMOVE
12079	PUNK	9	REMOVE
12080	PUNK	6	REMOVE
12081	PUNK	4	REMOVE
12082	PUNK	6	REMOVE
12083	PUNK	15	REMOVE
12084	OAK	11	REMOVE
12085	PUNK	6	REMOVE
12086	PUNK	16	REMOVE
12087	PINE	11	REMAIN
12088	PALM	11	REMAIN
12089	PUNK	7	REMOVE
12090	PALM	14	REMOVE
12091	PUNK	10	REMOVE
12092	OAK	12	REMOVE
12093	OAK	6	REMOVE
12098	PINE	18	REMAIN
12099	OAK	6	REMAIN
12100	OAK	4	REMAIN
12101	OAK	17	REMAIN
12102	OAK	18	REMAIN
12103	OAK	13	REMAIN
12104	OAK	9	REMAIN
12105	OAK	5	REMAIN
12106	OAK	12	REMAIN
12107	OAK	11	REMAIN
12108	OAK	4	REMAIN
12109	OAK	7	REMAIN
12110	OAK	6	REMAIN
12111	OAK	5	REMAIN
12112	OAK	13	REMAIN
12113	OAK	5	REMAIN
12117	OAK	22	REMOVE
12118	OAK	29	REMOVE
12119	OAK	23	REMAIN
12120	OAK	17	REMAIN
12121	OAK	18	REMAIN
12122	OAK	17	REMAIN
12123	OAK	14	REMAIN
12124	OAK	5	REMAIN
12125	PALM	14	REMAIN

TREE NO.	SPECIES	DBH	ACTION
12126	OAK	12	REMAIN
12127	OAK	6	REMAIN
12128	OAK	7	REMAIN
12129	OAK	4	REMAIN
12130	PINE	14	REMAIN
12131	OAK	5	REMAIN
12132	PALM	15	REMAIN
12133	PINE	22	REMAIN
12134	OAK	5	REMAIN
12135	OAK	8	REMAIN
12346	PALM	12	REMAIN
12352	PINE	8	REMAIN
12428	CAMPHOR	11	REMOVE
12429	CAMPHOR	7	REMOVE
12432	PALM	14	REMOVE
12433	PALM	15	REMOVE
12538	OAK	7	REMAIN
12539	MYRTLE	4	REMAIN
12540	OAK	9	REMAIN
12541	MYRTLE	6	REMAIN
12542	MYRTLE	4	REMAIN
12543	OAK	9	REMAIN
12544	OAK	7	REMAIN
12545	OAK	4	REMAIN
12546	OAK	11	REMAIN
12547	MYRTLE	5	REMAIN
12548	OAK	10	REMAIN
12549	OAK	11	REMAIN
12556	PALM	12	REMAIN
12557	CAMPHOR	5	REMOVE
12558	CAMPHOR	11	REMOVE
12559	CAMPHOR	5	REMOVE
12560	PALM	15	REMAIN
12561	CAMPHOR	5	REMOVE
12562	CAMPHOR	6	REMOVE
12563	CAMPHOR	5	REMOVE
12564	CAMPHOR	6	REMOVE
12565	CAMPHOR	4	REMOVE
12566	CAMPHOR	4	REMOVE
12567	CAMPHOR	5	REMOVE
12568	CAMPHOR	5	REMOVE
12569	OAK	8	REMAIN
12570	CAMPHOR	4	REMOVE
12571	PINE	18	REMAIN
12572	CAMPHOR	6	REMOVE
12573	CAMPHOR	6	REMOVE
12574	MAPLE	4	REMAIN
12575	MAPLE	4	REMAIN
12576	PALM	15	REMAIN
12577	PALM	14	REMAIN
12578	PALM	13	REMAIN
12579	PALM	13	REMAIN
12580	PALM	15	REMAIN
12581	MAPLE	6	REMAIN
12582	PALM	12	REMAIN
12583	PALM	14	REMAIN
12584	CAMPHOR	6	REMOVE
12585	CAMPHOR	4	REMOVE
12586	CAMPHOR	4	REMOVE
12587	CAMPHOR	4	REMOVE
12588	OAK	18	REMAIN
12589	CAMPHOR	6	REMOVE
12590	PALM	12	REMOVE
12591	PALM	6	REMAIN
12592	CAMPHOR	4	REMOVE
12593	CAMPHOR	18	REMOVE
12594	OAK	8	REMAIN
12595	PALM	13	REMAIN
12596	PALM	13	REMAIN
12597	CAMPHOR	5	REMOVE
12598	CAMPHOR	5	REMOVE
12599	CAMPHOR	5	REMOVE
12600	CAMPHOR	5	REMOVE
12601	CAMPHOR	6	REMOVE
12602	CAMPHOR	7	REMOVE
12604	PALM	15	REMAIN
12605	CAMPHOR	10	REMOVE
12606	PALM	13	REMAIN
12607	PALM	13	REMAIN
12608	CAMPHOR	6	REMOVE
12609	CAMPHOR	6	REMOVE
12610	CAMPHOR	7	REMOVE
12611	CAMPHOR	5	REMOVE
12612	CAMPHOR	5	REMOVE
12613	CAMPHOR	5	REMOVE
12614	CAMPHOR	7	REMOVE
12615	CAMPHOR	7	REMOVE
12616	CAMPHOR	9	REMOVE
12617	CAMPHOR	7	REMOVE
12618	CAMPHOR	6	REMOVE
12619	CAMPHOR	6	REMOVE
12620	MAPLE	8	REMAIN
12621	CAMPHOR	15	REMOVE
12622	CAMPHOR	12	REMOVE
12623	CAMPHOR	6	REMOVE
12624	CAMPHOR	6	REMOVE
12625	CAMPHOR	6	REMOVE
12626	CAMPHOR	8	REMOVE
12627	CAMPHOR	12	REMOVE
12628	CAMPHOR	9	REMOVE
12635	CAMPHOR	8	REMOVE
12636	CAMPHOR	6	REMOVE
12637	CAMPHOR	6	REMOVE
12638	PINE	23	REMAIN
12639	CAMPHOR	8	REMOVE
12640	CAMPHOR	7	REMOVE
12641	PALM	15	REMAIN
12642	PALM	11	REMAIN
12643	PINE	22	REMAIN
12644	CAMPHOR	9	REMOVE
12645	CAMPHOR	6	REMOVE
12646	CAMPHOR	6	REMOVE
12647	CAMPHOR	7	REMOVE

TREE NO.	SPECIES	DBH	ACTION
12648	CAMPHOR	5	REMOVE
12649	CAMPHOR	8	REMOVE
12650	PINE	19	REMAIN
12651	CAMPHOR	5	REMOVE
12652	CAMPHOR	7	REMOVE
12653	CAMPHOR	4	REMOVE
12654	CAMPHOR	5	REMOVE
12655	PALM	9	REMAIN
12656	PALM	15	REMAIN
12657	PALM	14	REMAIN
12658	PALM	13	REMAIN
12659	PALM	14	REMAIN
12660	PINE	23	REMAIN
12661	PALM	11	REMAIN
12662	PALM	13	REMAIN
12663	PALM	10	REMAIN
12664	PALM	13	REMAIN
12665	PALM	16	REMAIN
12666	PALM	13	REMAIN
12667	OAK	11	REMAIN
12668	OAK	11	REMAIN
12669	CAMPHOR	4	REMOVE
12670	CAMPHOR	5	REMOVE
12671	PALM	13	REMAIN
12672	CAMPHOR	26	REMOVE
12673	PINE	20	REMAIN
12674	CAMPHOR	24	REMOVE
12675	CAMPHOR	19	REMOVE
12676	PINE	17	REMAIN
12677	CAMPHOR	21	REMOVE
12678	CAMPHOR	4	REMOVE
12679	PINE	16	REMAIN
12680	CAMPHOR	16	REMOVE
12681	CAMPHOR	16	REMOVE
12682	CAMPHOR	25	REMOVE
12683	CAMPHOR	25	REMOVE
12684	CAMPHOR	13	REMOVE
12685	CAMPHOR	34	REMOVE
12686	PINE	20	REMAIN
12687	CAMPHOR	50	REMOVE
12688	CAMPHOR	26	REMOVE
12689	CAMPHOR	7	REMOVE
12690	CAMPHOR	28	REMOVE
12691	PALM	5	REMAIN
12692	CAMPHOR	9	REMOVE
12693	CAMPHOR	4	REMOVE
12695	PINE	15	REMAIN
12696	PINE	16	REMAIN
12697	PINE	18	REMAIN
12698	CAMPHOR	19	REMOVE
12699	CAMPHOR	14	REMOVE
12700	CAMPHOR	22	REMOVE
12701	CAMPHOR	16	REMOVE
12702	PINE	25	REMAIN
12706	CAMPHOR	10	REMOVE
12707	EAR	10	REMOVE
12708	EAR	8	REMOVE
12709	EAR	19	REMOVE
12712	HOLLY	5	REMAIN
12713	CAMPHOR	14	REMOVE
12714	OAK	14	REMAIN
12715	CAMPHOR	7	REMOVE
12716	OAK	6	REMAIN
12717	MAPLE	5	REMAIN
12718	CAMPHOR	4	REMOVE
12719	EAR	18	REMOVE
12720	MAPLE	4	REMAIN
12721	MAPLE	7	REMAIN
12722	MAPLE	10	REMAIN
12723	MAPLE	5	REMAIN
12724	MAPLE	9	REMAIN
12725	MAPLE	6	REMAIN
12726	CAMPHOR	8	REMOVE
12727	CAMPHOR	8	REMOVE
12728	CAMPHOR	10	REMOVE
12729	CAMPHOR	5	REMOVE
12730	CAMPHOR	12	REMOVE
12734	CAMPHOR	5	REMOVE
12735	CAMPHOR	4	REMOVE
12736	CAMPHOR	5	REMOVE
12737	OAK	9	REMAIN
12738	OAK	10	REMAIN
12739	CAMPHOR	8	REMOVE
12740	CAMPHOR	11	REMOVE
13331	OAK	5	REMAIN
13332	OAK	6	REMAIN
13333	OAK	6	REMAIN
13334	OAK	5	REMAIN
13335	OAK	9	REMAIN
13336	PUNK	16	REMOVE
13337	OAK	5	REMAIN
13338	PUNK	16	REMOVE
13339	PINE	24	REMOVE
13340	OAK	4	REMAIN
13341	OAK	4	REMOVE
13342	PINE	23	REMOVE
13343	PINE	21	REMOVE
13344	OAK	6	REMOVE
13345	OAK	5	REMAIN
13346	PINE	19	REMAIN
13347	OAK	7	REMAIN
13558	PINE	16	REMOVE
13559	OAK	7	REMAIN
13560	OAK	5	REMAIN
13561	OAK	6	REMAIN
13562	OAK	4	REMAIN
13563	OAK	6	REMAIN
13564	OAK	23	REMOVE
13565	PINE	15	REMAIN
13566	PINE	14	REMAIN
13567	PINE	16	REMAIN
13568	OAK	13	REMAIN
13569	OAK	20	REMAIN

TREE NO.	SPECIES	DBH	ACTION
13570	OAK	16	REMAIN
13571	PINE	16	REMAIN
13572	PINE	13	REMOVE
13573	PINE	11	REMOVE
13574	OAK	6	REMAIN
13575	OAK	9	REMAIN
13576	OAK	13	REMAIN
13577	OAK	6	REMAIN
13578	OAK	7	REMAIN
13579	OAK	16	REMAIN
13580	OAK	6	REMAIN
13581	PINE	16	REMAIN
13582	OAK	6	REMAIN
13583	OAK	6	REMAIN
13584	OAK	6	REMAIN
13585	OAK	11	REMAIN
13586	PINE	20	REMAIN
13587	PALM	16	REMOVE
13588	PINE	13	REMOVE
13589	OAK	20	REMOVE
13590	OAK	14	REMOVE
13591	OAK	10	REMOVE
13592	OAK	15	REMOVE
13593	OAK	8	REMOVE
13594	OAK	15	REMOVE
13595	OAK	10	REMOVE
13596	OAK	12	REMOVE
13597	OAK	11	REMOVE
13598	OAK	14	REMOVE
13599	OAK	8	REMOVE
13600	OAK	18	REMOVE
13601	OAK	13	REMOVE
13602	OAK	8	REMOVE
13603	OAK	12	REMOVE
13604	OAK	15	REMOVE
13605	OAK	15	REMOVE
13606	OAK	18	REMOVE
13607	OAK	20	REMOVE
13608	PINE	21	REMOVE
13609	PINE	11	REMOVE
13610	PINE	16	REMOVE
13611	OAK	16	REMOVE
13612	OAK	17	REMOVE
13613	OAK	5	REMOVE
13614	OAK	16	REMOVE
13615	OAK	8	REMOVE
13616	OAK	15	REMOVE
13617	OAK	6	REMOVE

TREE NO.	SPECIES	DBH	ACTION
20168	OAK	12	REMAIN
20169	OAK	18	REMAIN
20170	OAK	23	REMAIN
20171	PINE	20	REMAIN
20182	PALM	14	REMOVE
20183	PINE	7	REMOVE
20184	OAK	5	REMAIN
20185	PALM	18	REMAIN
20186	PALM	17	REMAIN
20187	CAMPHOR	6	REMOVE
20188	CAMPHOR	5	REMOVE
20189	OAK	4	REMAIN
20190	OAK	7	REMAIN
20191	OAK	4	REMAIN
20192	CAMPHOR	9	REMOVE
20193	CAMPHOR	8	REMOVE
20194	CAMPHOR	11	REMOVE
20195	CAMPHOR	10	REMOVE
20196	PINE	7	REMAIN
20197	OAK	21	REMAIN
20198	OAK	26	REMAIN
20199	OAK	17	REMAIN
20200	OAK	13	REMAIN
20201	CAMPHOR	11	REMOVE
20202	CAMPHOR	6	REMOVE
20203	CAMPHOR	11	REMOVE
20204	OAK	20	REMAIN
20205	OAK	4	REMAIN
20206	PALM	12	REMAIN
20207	CAMPHOR	11	REMOVE
20208	OAK	8	REMAIN
20209	OAK	5	REMAIN
20210	OAK	8	REMAIN
20211	OAK	4	REMAIN
20212	OAK	7	REMAIN
20213	OAK	6	REMAIN
20214	OAK	18	REMAIN
20215	CAMPHOR	6	REMOVE
20216	OAK	22	REMAIN
20217	OAK	32	REMAIN
20218	OAK	5	REMAIN
20219	OAK	10	REMAIN
20220	OAK	4	REMAIN
20221	OAK	4	REMAIN
20222	OAK	4	REMAIN
20223	OAK	4	REMAIN
20224	OAK	4	REMAIN
20225	OAK	4	REMAIN
20226	OAK	4	REMAIN
20227	OAK	6	REMAIN
20228	OAK	10	REMAIN
20229	OAK	4	REMAIN
20230	OAK	9	REMAIN
20231	OAK	8	REMAIN
20232	OAK	4	REMAIN
20233	OAK	6	REMAIN
20234	OAK	10	REMAIN
20235	OAK	7	REMAIN
20236	OAK	5	REMAIN
20237	OAK	4	REMAIN
20238	OAK	4	REMAIN
20239	OAK	7	REMAIN
20240	OAK	4	REMAIN
20241	OAK	4	REMAIN
20242	OAK	5	REMAIN
20243	OAK	4	REMAIN
20244	OAK	4	REMAIN
20245	PINE	10	REMAIN
20246	PINE	10	REMAIN
20247	PINE	4	REMAIN
20248	PINE	18	REMAIN
20293	OAK	4	REMAIN
20294	OAK	5	REMAIN
20295	PINE	14	REMAIN
20296	PINE	15	REMAIN
20297	PINE	18	REMAIN
20298	PINE	16	REMAIN
20299	OAK	13	REMAIN
20300	OAK	10	REMAIN
20301	OAK	9	REMAIN
20302	PINE	24	REMAIN
20303	OAK	9	REMAIN
20304	OAK	15	REMAIN
20305	OAK	5	REMAIN
20306	OAK	4	REMAIN
20307	OAK	5	REMAIN
20308	PINE	20	REMAIN
20309	PINE	25	REMAIN
20310	OAK	5	REMAIN
20311	OAK	5	REMAIN
20312	OAK	5	REMAIN
20313	OAK	5	REMAIN
20314	OAK	4	REMAIN
20315	OAK	5	REMAIN
20316	PINE	15	REMAIN
20317	OAK	4	REMAIN
20318	OAK	19	REMAIN
20320	OAK	4	REMAIN
20321	OAK	5	REMAIN
20322	OAK	4	REMAIN
20328	PALM	15	REMAIN
20329	OAK	5	REMAIN
20330	PALM	13	REMAIN
20331	PALM	13	REMAIN
20332	PALM	13	REMAIN
20333	OAK	5	REMAIN
20334	OAK	8	REMAIN
20335	OAK	6	REMAIN
20336	OAK	5	REMAIN
20337	OAK	36	REMAIN
20338	OAK	14	REMAIN
20339	OAK	11	REMAIN
20340	OAK	8	REMAIN

TREE NO.	SPECIES	DBH	ACTION
20341	OAK	12	REMAIN
20342	OAK	13	REMAIN
20343	PALM	13	REMAIN
20344	PINE	11	REMAIN
20345	PINE	26	REMAIN
20346	PINE	16	REMAIN
20347	OAK	10	REMAIN
20352	PINE	21	REMAIN
20353	PINE	14	REMAIN
20354	PINE	22	REMAIN
20355	PINE	18	REMAIN
20356	PINE	18	REMAIN
20357	OAK	17	REMAIN
20358	PINE	20	REMAIN
20359	PINE	14	REMAIN
20360	PINE	23	REMAIN
20361	PINE	19	REMAIN
20362	OAK	21	REMAIN
20363	OAK	21	REMAIN
20364	PINE	17	REMAIN
20365	PINE	20	REMAIN
20366	OAK	4	REMAIN
20367	OAK	4	REMAIN
20368	OAK	13	REMAIN
20369	PINE	26	REMAIN
20370	OAK	24	REMAIN
20371	OAK	12	REMAIN
20372	OAK	9	REMAIN
20373	OAK	8	REMAIN
20374	OAK	11	REMAIN
20375	OAK	28	REMAIN
20376	OAK	19	REMAIN
20377	PINE	15	REMAIN
20378	PINE	14	REMAIN
20379	PINE	18	REMAIN
20381	PINE	6	REMAIN
20383	OAK	5	REMAIN
20384	PINE	12	REMAIN
20385	PINE	12	REMAIN
20386	OAK	5	REMAIN
20387	PINE	15	REMAIN
20388	PINE	13	REMAIN
20391	PIINE	12	REMAIN
20392	PINE	10	REMAIN
20393	OAK	26	REMAIN
20394	PINE	10	REMAIN
20395	PUNK	17	REMOVE
20396	PUNK	46	REMOVE
20397	PINE	8	REMAIN
20398	PINE	9	REMAIN
20399	PINE	12	REMAIN
20400	PINE	8	REMAIN
20401	PINE	11	REMAIN
20402	PINE	7	REMAIN
20403	PINE	11	REMAIN
20404	PINE	12	REMAIN
20405	PINE	6	REMAIN
20406	PINE	10	REMAIN
20407	PINE	9	REMAIN
20408	PINE	12	REMAIN
20409	PINE	6	REMAIN
20410	OAK	16	REMAIN
20411	OAK	11	REMAIN
20412	OAK	11	REMAIN
20413	PINE	10	REMAIN
20414	PINE	16	REMAIN
20415	PINE	21	REMAIN
20416	PINE	18	REMAIN
20417	PINE	19	REMAIN
20418	PINE	20	REMAIN
20419	PINE	17	REMAIN
20420	OAK	27	REMAIN
20421	OAK	16	REMOVE
20422	OAK	7	REMOVE
20423	OAK	7	REMOVE
20424	OAK	32	REMAIN
20425	PINE	11	REMAIN
20426	PINE	8	REMAIN
20427	PINE	7	REMAIN
20428	PINE	12	REMAIN
20429	PINE	8	REMAIN
20430	PINE	8	REMAIN
20431	PINE	13	REMAIN
20432	PINE	10	REMAIN
20433	PINE	7	REMAIN
20434	PINE	14	REMAIN
20435	PINE	9	REMAIN
20436	PINE	14	REMAIN
20437	OAK	6	REMAIN
20438	OAK	10	REMAIN
20439	PINE	10	REMAIN
20440	PINE	15	REMAIN
20441	OAK	10	REMAIN
20442	OAK	10	REMAIN
20443	PINE	18	REMAIN
20444	PINE	10	REMAIN
20445	PINE	12	REMAIN
20446	OAK	13	REMAIN
20447	PINE	11	REMAIN
20448	PINE	15	REMOVE
20449	OAK	8	REMOVE
20450	OAK	4	REMOVE
20457	PINE	14	REMAIN
20460	OAK	4	REMAIN
20461	PUNK	4	REMOVE
20462	PUNK	7	REMOVE
20463	PUNK	9	REMOVE
20464	PUNK	8	REMOVE
20465	PUNK	8	REMOVE
20466	PUNK	7	REMOVE
20467	PUNK	9	REMOVE
20468	PUNK	8	REMOVE
20469	PUNK	23	REMOVE

TREE NO.	SPECIES	DBH	ACTION
20470	PUNK	17	REMOVE
20471	PUNK	6	REMOVE
20472	PUNK	9	REMOVE
20473	PUNK	8	REMOVE
20474	PUNK	8	REMOVE
20475	PUNK	8	REMOVE
20476	PUNK	6	REMOVE
20477	PUNK	7	REMOVE
20480	PUNK	8	REMOVE
20481	PUNK	7	REMOVE
20482	PUNK	7	REMOVE
20483	PUNK	7	REMOVE
20484	PUNK	9	REMOVE
20485	PUNK	5	REMOVE
20486	PUNK	12	REMOVE
20487	PUNK	13	REMOVE
20488	PUNK	9	REMOVE
20489	PUNK	8	REMOVE
20490	PUNK	12	REMOVE
20491	PUNK	7	REMOVE
20492	PUNK	4	REMOVE
20493	PUNK	4	REMOVE
20494	PUNK	6	REMOVE
20495	PUNK	7	REMOVE
20496	PUNK	7	REMOVE
20497	PUNK	5	REMOVE
20498	PUNK	7	REMOVE
20499	PUNK	6	REMOVE
20500	PUNK	16	REMOVE
20501	PUNK	5	REMOVE
20502	PUNK	5	REMOVE
20503	PUNK	5	REMOVE
20504	PUNK	4	REMOVE
20505	PUNK	6	REMOVE
20506	PUNK	5	REMOVE
20507	PUNK	6	REMOVE
20508	PUNK	7	REMOVE
20509	PUNK	5	REMOVE
20510	PUNK	8	REMOVE
20511	PUNK	7	REMOVE
20512	PUNK	7	REMOVE
20513	PUNK	7	REMOVE
20514	PUNK	27	REMOVE
20515	PUNK	22	REMOVE
20516	PINE	18	REMAIN
20517	PUNK	14	REMOVE
20518	PUNK	7	REMOVE
20519	PUNK	9	REMOVE
20520	PUNK	8	REMOVE
20521	PUNK	6	REMOVE
20522	PUNK	25	REMOVE
20523	PUNK	42	REMOVE
20524	OAK	14	REMAIN
20525	PALM	15	REMAIN
20526	OAK	16	REMOVE
20527	PINE	23	REMAIN
20528	OAK	5	REMAIN
20529	OAK	4	REMAIN
20530	OAK	4	REMAIN
20531	OAK	5	REMAIN
20532	OAK	18	REMOVE
20533	OAK	12	REMOVE
20534	OAK	6	REMAIN
20535	OAK	8	REMOVE
20536	OAK	4	REMAIN
20537	OAK	5	REMAIN
20538	OAK	6	REMAIN
20539	OAK	5	REMAIN
20540	PINE	12	REMAIN
20541	MAPLE	4	REMAIN
20542	PINE	8	REMAIN
20543	Pine	9	REMAIN
20544	PINE	13	REMAIN
20545	PINE	11	REMAIN
20546	PINE	17	REMAIN
20547	PINE	11	REMAIN
20548	PINE	13	REMAIN
20549	PINE	13	REMAIN
20550	PINE	15	REMAIN
20551	PINE	20	REMAIN
20552	PINE	16	REMAIN
20553	PINE	10	REMAIN
20554	PINE	12	REMAIN
20555	PINE	12	REMAIN
20556	OAK	4	REMAIN
20557	OAK	6	REMAIN
20558	OAK	4	REMAIN
20559	OAK	4	REMAIN
20560	OAK	4	REMAIN
20561	OAK	4	REMAIN
20562	OAK	4	REMAIN
20563	OAK	20	REMAIN
20564	OAK	11	REMAIN
20565	OAK	7	REMAIN
20566	PINE	20	REMAIN
20567	OAK	4	REMAIN
20568	OAK	10	REMAIN
20569	OAK	5	REMAIN
20570	OAK	4	REMAIN
20571	PINE	21	REMAIN
20572	OAK	7	REMAIN
20573	OAK	8	REMAIN
20574	OAK	4	REMAIN
20575	OAK	7	REMAIN
20576	OAK	4	REMOVE
20577	OAK	4	REMOVE
20578	OAK	4	REMOVE
20579	OAK	4	REMOVE
20580	OAK	5	REMOVE
20581	OAK	5	REMOVE
20582	OAK	6	REMOVE
20583	OAK	4	REMOVE
20584	OAK	5	REMOVE

TREE NO.	SPECIES	DBH	ACTION
20585	OAK	17	REMOVE
20586	PINE	12	REMAIN
20587	PINE	5	REMAIN
20588	PINE	11	REMAIN
20589	PINE	11	REMAIN
20590	PINE	10	REMAIN
20591	PINE	11	REMAIN
20592	PINE	13	REMAIN
20593	PINE	20	REMAIN
20594	OAK	6	REMAIN
20595	PINE	13	REMAIN
20596	MAPLE	13	REMAIN
20597	MAPLE	12	REMAIN
20598	PINE	15	REMAIN
20599	OAK	5	REMAIN
20600	PINE	14	REMAIN
20601	OAK	25	REMAIN
20602	MAPLE	23	REMAIN
20603	PINE	14	REMAIN
20604	PINE	17	REMAIN
20605	PINE	18	REMAIN
20606	PINE	4	REMAIN
20607	PINE	13	REMAIN
20608	PINE	17	REMAIN
20609	PINE	19	REMAIN
20610	OAK	7	REMAIN
20611	OAK	8	REMAIN
20612	Pine	15	REMAIN
20613	PALM	17	REMAIN
20614	OAK	7	REMAIN
20615	OAK	4	REMAIN
20616	OAK	14	REMAIN
20617	OAK	4	REMAIN
20618	OAK	10	REMAIN
20619	OAK	19	REMAIN
20620	OAK	7	REMAIN
20621	OAK	7	REMAIN
20622	OAK	11	REMAIN
20623	OAK	5	REMAIN
20624	OAK	20	REMAIN
20625	CAMPHOR	21	REMOVE
20626	CAMPHOR	18	REMOVE
20627	CAMPHOR	23	REMOVE
20628	CAMPHOR	10	REMOVE
20629	CAMPHOR	19	REMOVE
20630	PALM	24	REMOVE
20631	CAMPHOR	8	REMOVE
20632	PALM	20	REMAIN
20633	OAK	6	REMAIN
20634	OAK	6	REMAIN
20635	OAK	8	REMAIN
20636	OAK	6	REMAIN
20637	OAK	9	REMAIN
20638	OAK	7	REMAIN
20639	OAK	6	REMAIN
20640	OAK	4	REMAIN
20641	OAK	11	REMAIN
20642	PALM	15	REMAIN
20643	PINE	16	REMAIN
20644	OAK	4	REMAIN
20645	OAK	4	REMAIN
20646	OAK	4	REMAIN
20647	OAK	4	REMAIN
20648	OAK	4	REMAIN
20649	OAK	5	REMAIN
20650	OAK	4	REMAIN
20651	OAK	10	REMAIN
20652	OAK	12	REMAIN
20653	OAK	5	REMAIN
20654	OAK	4	REMAIN
20655	OAK	4	REMAIN
20656	OAK	4	REMAIN
20657	OAK	5	REMAIN
20658	OAK	5	REMAIN
20659	OAK	7	REMAIN
20660	OAK	7	REMAIN
20661	OAK	18	REMAIN
20662	PALM	18	REMAIN
20663	PALM	7	REMAIN
20664	PINE	20	REMAIN
20665	OAK	5	REMAIN
20666	OAK	6	REMAIN
20667	OAK	5	REMAIN
20668	OAK	5	REMAIN
20669	OAK	4	REMAIN
20670	OAK	4	REMAIN
20671	OAK	11	REMAIN
20672	OAK	6	REMAIN
20673	OAK	4	REMAIN
20674	PINE	12	REMAIN
20675	OAK	4	REMAIN
20676	PINE	18	REMAIN
20677	OAK	4	REMAIN
20678	OAK	4	REMAIN
20679	OAK	4	REMAIN
20680	OAK	4	REMAIN
20681	PINE	4	REMOVE
20682	OAK	6	REMAIN
20683	OAK	7	REMAIN
20684	OAK	5	REMAIN
20685	OAK	5	REMAIN
20686	OAK	5	REMAIN
20687	PINE	22	REMAIN
20688	OAK	4	REMAIN
20689	OAK	8	REMAIN
20690	OAK	9	REMAIN
20691	OAK	4	REMAIN
20692	OAK	4	REMAIN
20693	OAK	4	REMAIN
20694	OAK	4	REMAIN
20695	OAK	6	REMAIN
20696	OAK	4	REMAIN
20697	OAK	4	REMAIN

TREE NO.	SPECIES	DBH	ACTION
20698	OAK	8	REMAIN
20699	PINE	24	REMAIN
20700	OAK	4	REMAIN
20701	OAK	8	REMAIN
20702	PINE	19	REMAIN
20703	OAK	5	REMAIN
20704	PINE	18	REMAIN
20705	OAK	5	REMAIN
20706	OAK	8	REMAIN
20707	PINE	20	REMAIN
20708	CAMPHOR	12	REMOVE
20709	PINE	17	REMAIN
20710	OAK	4	REMAIN
20711	OAK	4	REMAIN
20712	OAK	5	REMAIN
20713	OAK	4	REMAIN
20714	OAK	4	REMAIN
20715	OAK	4	REMAIN
20716	OAK	4	REMAIN
20717	OAK	4	REMAIN
20718	OAK	5	REMAIN
20719	OAK	4	REMAIN
20720	OAK	5	REMAIN
20721	OAK	4	REMAIN
20722	OAK	4	REMAIN
20723	OAK	4	REMAIN
20724	OAK	4	REMAIN
20725	OAK	4	REMAIN
20726	OAK	5	REMAIN
20727	OAK	6	REMAIN
20728	PINE	16	REMAIN
20729	OAK	5	REMAIN
20730	OAK	4	REMAIN
20731	OAK	5	REMAIN
20732	OAK	5	REMAIN
20733	OAK	12	REMAIN
20734	OAK	7	REMAIN
20735	OAK	6	REMAIN
20736	PINE	15	REMAIN
20737	PINE	17	REMAIN
20738	PINE	8	REMAIN
20739	PINE	13	REMAIN
20740	PINE	13	REMAIN
20741	PINE	14	REMAIN
20742	OAK	5	REMAIN
20743	PINE	19	REMAIN
20744	PALM	18	REMAIN
20745	OAK	4	REMAIN
20746	OAK	6	REMAIN
20747	OAK	17	REMAIN
20748	PALM	18	REMAIN
20749	OAK	10	REMAIN
20750	OAK	4	REMAIN
20751	OAK	5	REMAIN
20752	OAK	6	REMAIN
20753	OAK	5	REMAIN
20754	OAK	4	REMAIN
20755	OAK	4	REMAIN
20756	OAK	8	REMAIN
20757	OAK	4	REMAIN
20758	OAK	4	REMAIN
20759	PINE	17	REMAIN
20760	OAK	5	REMAIN
20761	OAK	6	REMAIN
20762	OAK	4	REMAIN
20763	OAK	6	REMAIN
20764	OAK	4	REMAIN
20765	OAK	8	REMAIN
20766	OAK	5	REMAIN
20767	OAK	6	REMAIN
20768	OAK	8	REMAIN
20769	PINE	19	REMAIN
20770	OAK	4	REMAIN
20771	OAK	6	REMAIN
20772	PINE	17	REMAIN
20773	OAK	4	REMAIN
20774	OAK	7	REMAIN
20775	PALM	14	REMAIN
20776	PINE	20	REMAIN
20777	OAK	40	REMAIN
20778	OAK	6	REMAIN
20779	OAK	7	REMAIN
20780	OAK	5	REMAIN
20781	OAK	14	REMAIN
20782	PALM	16	REMAIN
20783	OAK	4	REMAIN
20784	OAK	5	REMAIN
20785	OAK	5	REMAIN
20786	PALM	12	REMAIN
20787	PALM	15	REMAIN
20788	OAK	6	REMAIN
20789	OAK	7	REMAIN
20790	OAK	6	REMAIN
20791	OAK	7	REMAIN
20792	PALM	16	REMAIN
20793	PALM	7	REMAIN
20794	PALM	15	REMAIN
20795	OAK	10	REMAIN
20796	OAK	7	REMAIN
20797	OAK	8	REMAIN
20798	OAK	5	REMAIN
20799	OAK	6	REMAIN
20800	OAK	6	REMAIN
20801	OAK	4	REMAIN
20802	OAK	5	REMAIN
20803	OAK	7	REMAIN
20804	OAK	4	REMAIN
20805	OAK	8	REMAIN
20806	OAK	6	REMAIN
20807	OAK	6	REMAIN
20808	OAK	4	REMAIN
20809	OAK	4	REMAIN
20810	OAK	6	REMAIN

TREE NO.	SPECIES	DBH	ACTION
20811	OAK	7	REMAIN
20812	OAK	6	REMAIN
20813	OAK	9	REMAIN
20814	OAK	9	REMAIN
20815	CAMPHOR	9	REMOVE
20816	OAK	5	REMAIN
20817	OAK	9	REMAIN
20818	OAK	7	REMAIN
20819	OAK	11	REMAIN
20820	OAK	11	REMAIN
20821	OAK	7	REMAIN
20822	CAMPHOR	6	REMOVE
20823	PALM	12	REMAIN
20824	OAK	9	REMAIN
20825	OAK	11	REMAIN
20826	OAK	7	REMAIN
20827	OAK	5	REMAIN
20828	PALM	16	REMAIN
20829	OAK	12	REMAIN
20830	PALM	15	REMAIN
20831	OAK	12	REMAIN
20832	OAK	17	REMAIN
20833	PALM	16	REMAIN
20834	OAK	11	REMAIN
20835	OAK	4	REMAIN
20836	OAK	5	REMAIN
20837	OAK	30	REMAIN
20838	PALM	12	REMAIN
20839	PALM	17	REMAIN
20840	PALM	18	REMAIN
20841	MAPLE	4	REMAIN
20842	OAK	4	REMAIN
20843	OAK	5	REMAIN
20844	OAK	7	REMAIN
20845	PALM	7	REMAIN
20846	PALM	15	REMAIN
20847	PINE	16	REMAIN
20848	PINE	20	REMAIN
20849	PINE	18	REMAIN
20850	PINE	13	REMAIN
20851	PINE	23	REMAIN
20852	PINE	12	REMAIN
20853	PINE	17	REMAIN
20854	OAK	14	REMAIN
20855	OAK	6	REMAIN
20856	OAK	4	REMAIN
20857	OAK	6	REMAIN
20858	OAK	4	REMAIN
20859	OAK	4	REMAIN
20860	PINE	14	REMAIN
20861	PINE	20	REMAIN
20862	OAK	11	REMAIN
20863	OAK	9	REMAIN
20864	OAK	4	REMAIN
20865	OAK	4	REMAIN
20866	OAK	4	REMAIN
20867	PALM	17	REMAIN
20868	OAK	12	REMAIN
20869	OAK	14	REMAIN
20870	PALM	13	REMAIN
20871	OAK	16	REMAIN
20872	OAK	10	REMAIN
20873	OAK	9	REMAIN
20874	OAK	7	REMAIN
20875	OAK	4	REMAIN
20876	OAK	4	REMAIN
20877	OAK	5	REMAIN
20878	OAK	5	REMAIN
20879	OAK	4	REMAIN
20880	OAK	4	REMAIN
20881	OAK	4	REMAIN
20882	CAMPHOR	29	REMOVE
20883	CAMPHOR	29	REMOVE
20884	CAMPHOR	6	REMOVE
20885	OAK	4	REMAIN
20886	OAK	4	REMAIN
20887	OAK	8	REMAIN
20888	OAK	19	REMAIN
20889	PINE	15	REMAIN
20890	OAK	11	REMAIN
20891	PINE	12	REMAIN
20892	OAK	7	REMAIN
20893	OAK	28	REMAIN
20894	PINE	9	REMAIN
20895	PINE	5	REMAIN
20896	PINE	11	REMAIN
20897	OAK	6	REMAIN
20898	OAK	4	REMAIN
20899	PALM	14	REMAIN
20900	OAK	8	REMAIN
20901	OAK	4	REMAIN
20902	MAPLE	5	REMAIN
20903	MAPLE	5	REMAIN
20904	OAK	12	REMAIN
20905	OAK	10	REMAIN
20906	MAPLE	5	REMAIN
20907	OAK	7	REMAIN
20908	OAK	6	REMAIN
20909	OAK	7	REMAIN
20910	OAK	4	REMAIN
20911	MAPLE	4	REMAIN
20912	OAK	8	REMAIN
20913	OAK	6	REMAIN
20914	MAPLE	4	REMAIN
20915	OAK	4	REMAIN
20916	OAK	5	REMAIN
20917	PALM	10	REMAIN
20918	PINE	10	REMAIN
20919	OAK	11	REMAIN
20920	OAK	7	REMAIN
20921	OAK	5	REMAIN
20922	PINE	16	REMAIN
20923	OAK	11	REMAIN

TREE NO.	SPECIES	DBH	ACTION
20924	PINE	19	REMAIN
20925	PINE	15	REMAIN
20926	PINE	14	REMAIN
20927	PINE	15	REMAIN
20928	PINE	12	REMAIN
20929	PINE	28	REMAIN
20930	PINE	8	REMAIN
20931	PINE	15	REMAIN
20932	OAK	4	REMAIN
20933	OAK	4	REMAIN
20934	OAK	4	REMAIN
20935	OAK	4	REMAIN
20936	OAK	4	REMAIN
20937	OAK	4	REMAIN
20938	OAK	8	REMAIN
20939	OAK	5	REMAIN
20940	OAK	4	REMAIN
20941	OAK	6	REMAIN
20942	OAK	6	REMAIN
20943	OAK	11	REMAIN
20944	OAK	9	REMAIN
20945	OAK	5	REMAIN
20946	OAK	8	REMAIN
20947	OAK	14	REMAIN
20948	PALM	14	REMAIN
20949	PALM	16	REMAIN
20950	PALM	16	REMAIN
20951	PALM	15	REMAIN
20952	PALM	16	REMAIN
20953	OAK	17	REMAIN
20954	PALM	16	REMAIN
20955	OAK	8	REMAIN
20956	PALM	16	REMAIN
20957	CAMPHOR	6	REMOVE
20958	PALM	17	REMAIN
20959	PALM	15	REMAIN
20960	PALM	19	REMAIN
20961	PALM	10	REMAIN
20962	OAK	6	REMAIN
20963	OAK	6	REMAIN
20964	MAPLE	5	REMAIN
20965	OAK	8	REMAIN
20966	MAPLE	4	REMAIN
20967	MAPLE	4	REMAIN
20968	MAPLE	4	REMAIN
20969	OAK	7	REMAIN
20970	OAK	6	REMAIN
20971	OAK	8	REMAIN
20972	OAK	5	REMAIN
20973	MAPLE	5	REMAIN
20974	OAK	6	REMAIN
20975	PALM	15	REMAIN
20976	OAK	5	REMAIN
20977	OAK	5	REMAIN
20978	PINE	9	REMAIN
20979	PINE	7	REMAIN
20980	PINE	9	REMAIN
20981	PINE	6	REMAIN
20982	OAK	7	REMAIN
20983	MAPLE	7	REMAIN
20984	PINE	4	REMAIN
20985	PINE	4	REMAIN

TREE NO.	SPECIES	DBH	ACTION

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Drawing name: C:\Users\wes.rogers\appdata\local\temp\AcPublish_908\L-50 – TREE MITIGATION PLAN.dwg L.62 Oct 05, 2021 3:35pm by: Wes.Rogers

TREE MITIGATION SPECIFICATIONS

A. GENERAL

1. CONTRACTOR SHALL ADHERE TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITION). WHICHEVER IS MORE STRINGENT SHALL APPLY.
2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE.
4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON A SURVEY PROVIDED BY THE OWNER SELECTED SURVEYOR.
6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS, AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE AT ALL TIMES. THE OWNER RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
9. WHERE TRAFFIC AREAS ARE PROPOSED WITHIN THE DRIP LINE OF PROTECTED TREES AND LESS THAN FOUR (4) INCHES OF GRADE CHANGE ARE PROPOSED, PERMEABLE SURFACES THAT ALLOW AIR AND WATER INTO THE SOIL SHOULD BE USED IN LIEU OF ASPHALT OR OTHER SUCH IMPERVIOUS SURFACES.
10. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THOSE TREES. COORDINATE WITH PROJECT ARBORIST.
11. THE SEQUENCE OF TREE MITIGATION AND PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE OWNER SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW:
    a. TREE PROTECTION FENCING.
    b. ROOT PRUNING AND ROOT BARRIERS.
    c. CLEARING.
    d. TREE CANOPY PRUNING.
    e. FERTILIZATION.
    f. INSECTICIDE.
    g. IRRIGATION.

B. TREE PROTECTION FENCING

1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
6. NO MATERIALS, EQUIPMENT, SPOIL, WASTE OR WASHOUT WATER MAY BE DEPOSITED, STORED, OR PARKED WITHIN 20 FEET OF THE TREE PROTECTION ZONE.
7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
10. CONTRACTOR'S ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
11. EXCAVATION OR GRADING REQUIRED WITHIN THE PROTECTED AREA SHALL BE LIMITED TO THREE (3) INCHES OF CUT OR FILL. COORDINATE WITH PROJECT ARBORIST.
12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONE SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
13. TREE PROTECTION FENCING AROUND TREES TO BE RELOCATED SHALL BE ERECTED UNTIL THE TREE IS READY TO BE RELOCATED AND NEW FENCING SHALL BE ERECTED AT THE TREES NEW LOCATION AND WILL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE.
14. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
15. IF TEMPORARY HAUL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED, A ROAD BED OF SIX (6) INCHES OF MULCH OR GRAVEL SHALL BE CREATED TO PROTECT THE SOIL. THE ROAD BED MATERIAL SHALL BE REPLENISHED AS NECESSARY TO MAINTAIN A SIX (6) INCH ROAD BED AT ALL TIMES. CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS FROM THE SITE AS SOON AS TEMPORARY ACCESS IS NO LONGER NECESSARY.
16. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO THE REMOVAL OF ALL TREE PROTECTION FENCING.

C. ROOT PRUNING/TRENCHING

1. TRENCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
2. TRENCHING EQUIPMENT THAT WILL TURN AT HIGH RPM'S IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
5. TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF TWELVE (12) WEEKS PRIOR TO TREE RELOCATION.
6. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.

D. CLEARING

1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT.
2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPLINGS, AND INVASIVES LISTED ON THE LATEST EDITION OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
3. PROJECT ARBORIST MUST APPROVE METHODS OTHER THAN HAND CLEARING.
4. A TWO (2) INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES DURING THE SITE CLEARING PHASE.

E. TREE CANOPY PRUNING

1. TREE PRUNING SPECIFICATIONS SHALL BE DEFINED BASED ON SPECIFIC RECOMMENDATIONS OF THE PROJECT ARBORIST. INFORMATION PRESENTED BELOW SHOULD BE USED AS A GUIDELINE.
2. CONTRACTOR SHALL VISIT THE SITE WITH THE PROJECT ARBORIST TO VERIFY THE EXTENT OF REQUIRED PRUNING.
3. ALL PRUNING SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A QUALIFIED INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST OR AN AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA) REGISTERED CONSULTING ARBORIST (RCA).
4. AT LEAST ONE MEMBER OF THE PRUNING CREW SHALL BE AN ISA CERTIFIED ARBORIST.
5. WHILE IN THE TREE, THE ARBORIST SHALL PERFORM AN AERIAL INSPECTION TO IDENTIFY DEFECTS THAT REQUIRE TREATMENT. ANY ADDITIONAL WORK NEEDED SHALL BE REPORTED TO THE OWNER.
6. PRUNING CUTS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI A300 PRUNING STANDARD (AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS) AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI Z133.1 SAFETY STANDARD. PRUNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ISA'S "BEST MANAGEMENT PRACTICES: TREE PRUNING".
7. WHERE TEMPORARY CLEARANCE IS NEEDED FOR ACCESS, BRANCHES SHALL BE TIED BACK TO HOLD THEM OUT OF THE CLEARANCE ZONE.
8. NO MORE THAN 20 PERCENT OF LIVE FOLIAGE SHALL BE REMOVED WITHIN ANY TREE.
9. ALL TREES WITHIN THE PROJECT AREA SHALL BE PRUNED AS FOLLOWS:
    a. LIVE BRANCH PRUNING SHOULD BE PERFORMED ONLY WHEN THE DANGER OF INSECT OR DISEASE INFESTATION IS NOT PRESENT.
    b. REMOVE STUBS, CUTTING OUTSIDE THE WOUND WOOD TISSUE THAT HAS FORMED AROUND THE BRANCH.
    c. CLEANING, FOR THE SELECTIVE REMOVAL OF DEAD, DISEASED, BROKEN, OR CROSSING BRANCHES DOWN TO ONE INCH IN DIAMETER OR AS DIRECTED BY THE PROJECT ARBORIST.
    d. PRUNING CUTS LARGER THAN 4 INCHES IN DIAMETER, EXCEPT FOR DEAD WOOD, SHALL BE AVOIDED.
    e. PRUNING CUTS THAT EXPOSE HEARTWOOD SHALL BE AVOIDED WHENEVER POSSIBLE.
    f. ALL VEGETATION AND TREES WITH CROWNS THAT PROJECT INTO PARKING LOTS, IMPROVED RIGHTS-OF-WAY, AND INTERNAL DRIVES / ROADWAY AREAS SHALL BE RAISED AND MAINTAINED AT A HEIGHT OF 14 FEET VERTICAL CLEARANCE ABOVE FINISHED GRADE.
    g. ALL VEGETATION AND TREES WITH CROWNS THAT PROJECT INTO SIDEWALK AREAS SHALL BE RAISED AND MAINTAINED AT A HEIGHT OF 10 FEET VERTICAL CLEARANCE ABOVE FINISHED GRADE.
9. TREES, WHO'S ROOT SYSTEMS WILL BE IMPACTED SHALL RECEIVE THE FOLLOWING PRUNING TO COMPENSATE FOR ROOT LOSS:
    a. THE LOCATION AND SIZE OF BRANCHES FOR REDUCTION SHALL BE DEFINED BY THE PROJECT ARBORIST.
    b. REDUCTION, OR THE SELECTIVE PRUNING TO REDUCE TREE HEIGHT OR SPREAD.
    c. REDUCE END WEIGHT ON HEAVY, HORIZONTAL BRANCHES BY SELECTIVELY REMOVING SMALL DIAMETER BRANCHES, NO GREATER THAN 2 TO 3 INCHES, NEAR THE ENDS OF SCAFFOLD BRANCHES.
    d. RAISING SHALL CONSIST OF SELECTIVE PRUNING TO PROVIDE VERTICAL CLEARANCE.
10. PROPOSED/REPLACEMENT TREES
    a. PRUNING SHALL BE LIMITED TO CLEANING.
11. BRUSH SHALL BE CHIPPED AND SPREAD (ONLY WHEN DISEASE OR INSECT INFESTATION IS NOT PRESENT) UNDERNEATH TREES WITHIN THE TREE PROTECTION ZONE TO A MAXIMUM DEPTH OF THREE (3) INCHES, LEAVING THE TRUNK CLEAR OF MULCH.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.

F. FERTILIZATION

1. CONTRACTOR SHALL COORDINATE FERTILIZATION PLAN, FOLLOWING BEST MANAGEMENT PRACTICES WITH THE PROJECT ARBORIST PRIOR TO COMMENCEMENT OF WORK.
2. EVERY EFFORT SHALL BE MADE TO UTILIZE CHEMICALS OF AN ORGANIC OR BIODEGRADABLE NATURE IN ORDER TO OFFER THE LEAST IMPACT TO THE NATURAL ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR MIXING, APPLYING, AND DISPOSAL OF ALL CHEMICALS IN ACCORDANCE WITH STRICT ADHERENCE TO MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
3. ONLY TREES AFFECTED BY CONSTRUCTION OR AS SHOWN ON THE TREE MITIGATION PLAN AND TREE INVENTORY SCHEDULE SHALL BE TREATED.
4. TREES SPECIFIED TO RECEIVE FERTILIZER SHALL BE TREATED AS FOLLOWS.
    a. MIX FERTILIZER ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO A TANK WITH AGITATION CAPABILITY.
    b. MIX WETTING AGENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS INTO SAME TANK WITH FERTILIZER. AGITATE MIX.
    c. INJECT THE MIXTURE WITH A HYDRAULIC INJECTION SYSTEM INTO THE UPPER 6-12 INCHES OF SOIL WITH A SOIL PROBE. INJECT AT THE RATE OF ONE THIRD (1/3) GALLON AT EACH INJECTION SITE.
    d. THE CRITICAL ROOT ZONE AREA PLUS 2' BEYOND THE CRITICAL ROOT ZONE SHALL BE INJECTED, BUT NOT BEYOND ROOT PRUNING LOCATIONS.
    e. FERTILIZER SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF ANY AERATION SYSTEMS.
    f. EMPTY PRODUCT CONTAINERS SHALL BE STOCKPILED FOR INSPECTION BY THE PROJECT ARBORIST PRIOR TO DISPOSAL.

G. INSECTICIDE

7. NOTIFY PROJECT ARBORIST IF ANY INFESTATION IS NOTICED.
8. FOLLOW PROJECT ARBORIST'S RECOMMENDED PROCEDURES.
9. FOLLOW ALL MANUFACTURERS' RECOMMENDATIONS CONCERNING APPLICATION. READ ALL WARNING LABELS.
10. ANY PETS, AS WELL AS, THE PETS FOOD AND WATER BOWLS SHOULD BE REMOVED FROM THE AREA AND ANY SWIMMING POOLS SHOULD BE COVERED. COORDINATE WITH PROJECT ARBORIST FOR FURTHER INSTRUCTION.
11. ENSURE COMPLETE COVERAGE AND REAPPLY 2-3 MONTHS AFTER INITIAL APPLICATION UTILIZING SAME PROCEDURE.

H. IRRIGATION

1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES AND TRANSPLANTS. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION.
2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.

I. TREE REMOVALS

1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED.
3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP GROUND 6" BELOW SURFACE. ANY TREE SHOWN TO BE REMOVED THAT IS IN AN AREA WHERE COMPACTION IS CRITICAL SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
4. ALL WOOD AND STUMPS FROM REMOVALS SHALL BE HAULED FROM THE SITE THE SAME DAY, EXCEPT FOR TOPS. ALL TOPS ARE TO BE MULCHED AND STOCKPILED OR HAULED DIRECTLY TO MULCHED AREAS FOR RELOCATED TREES IF SCHEDULING PERMITS. TOPS SHALL BE CHIPPED AND PLACED IN THE TREE PROTECTION ZONE TO A DEPTH OF THREE (3) INCHES. ALL EXCESS WOOD CHIPS SHOULD BE HAULED OFF SITE AFTER TRANSPLANTING IS COMPLETE.
5. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
6. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST AND NOT BY DEMOLITION OR CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY VEGETATION TO REMAIN.
7. TREES TO BE REMOVED LOCATED WITHIN THE TREE PROTECTION ZONE SHALL BE REMOVED BY A QUALIFIED ISA CERTIFIED ARBORIST. THE TREES SHALL BE CUT NEAR GROUND LEVEL AND THE STUMP GROUND OUT.

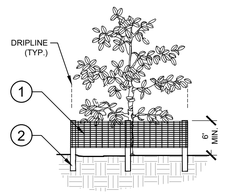
L. TOPSOIL

10. CONTRACTOR SHALL COORDINATE ALL EARTHWORK OPERATIONS WITHIN TREE PROTECTION AREAS WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
11. ALL TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE LOAMY SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE TOPSOIL IN THE VICINITY THAT PRODUCES HEAVY GROWTH.
12. TOPSOIL, PH RANGE OF 5.5 TO 7.0, 3-5 PERCENT ORGANIC MATERIAL MINIMUM, FREE FROM SUBSOIL, OBJECTIONABLE WEEDS, LITTER, SODS, STIFF CLAY, STONES LARGER THAN ONE (1) INCH IN DIAMETER, STUMPS, ROOTS, TRASH, TOXIC SUBSTANCES, OR ANY OTHER MATERIAL WHICH MAY BE HARMFUL TO PLANT GROWTH.
13. VERIFY AMOUNT STOCKPILED IF ANY, AND SUPPLY ADDITIONAL AS NEEDED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST FOUR (4) INCHES DEEP. DO NOT OBTAIN TOPSOIL FROM BOGS OR MARSHES.
14. PROJECT ARBORIST SHALL APPROVE ALL TOPSOIL PRIOR TO PLACEMENT.

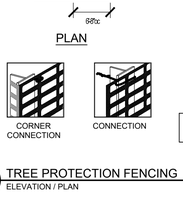
M. REPAIR OF DAMAGED TREES

1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.

1 TYPICAL TREE MITIGATION NOTES
L0.62



ELEVATION



PLAN

CORNER CONNECTION

CONNECTION

1. 6'H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
2. 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

2 TREE PROTECTION FENCING
L.62 ELEVATION / PLAN NTS

TRC SUBMITTAL 10/13/2021

GROUNDWATER / DEWATERING NOTE:
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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No.	REVISIONS	DATE	BY

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REGISTERED LANDSCAPE ARCHITECT WES ANCHA ROGERS LA6667442 STATE OF FLORIDA PROFESSIONAL
DATE: 10/7/2021

SCALE			
DESIGNED BY	SKP	DRAWN BY	SKP
CHECKED BY	WMR		

TREE MITIGATION SPECIFICATIONS

MORGAN ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 10/13/2021
PROJECT NO. 145062001
SHEET NUMBER L.62

Drawing name: K:\ORL_LA\TAMPA\145062001 - Anclote Harbor Multi-Family\CAD\CONST\PlanSheets\FDP (Final Development Plan)\L1.00 - LANDSCAPE PLAN.dwg L1.00 Sep 14, 2021 12:56pm by: Wes.Rogers
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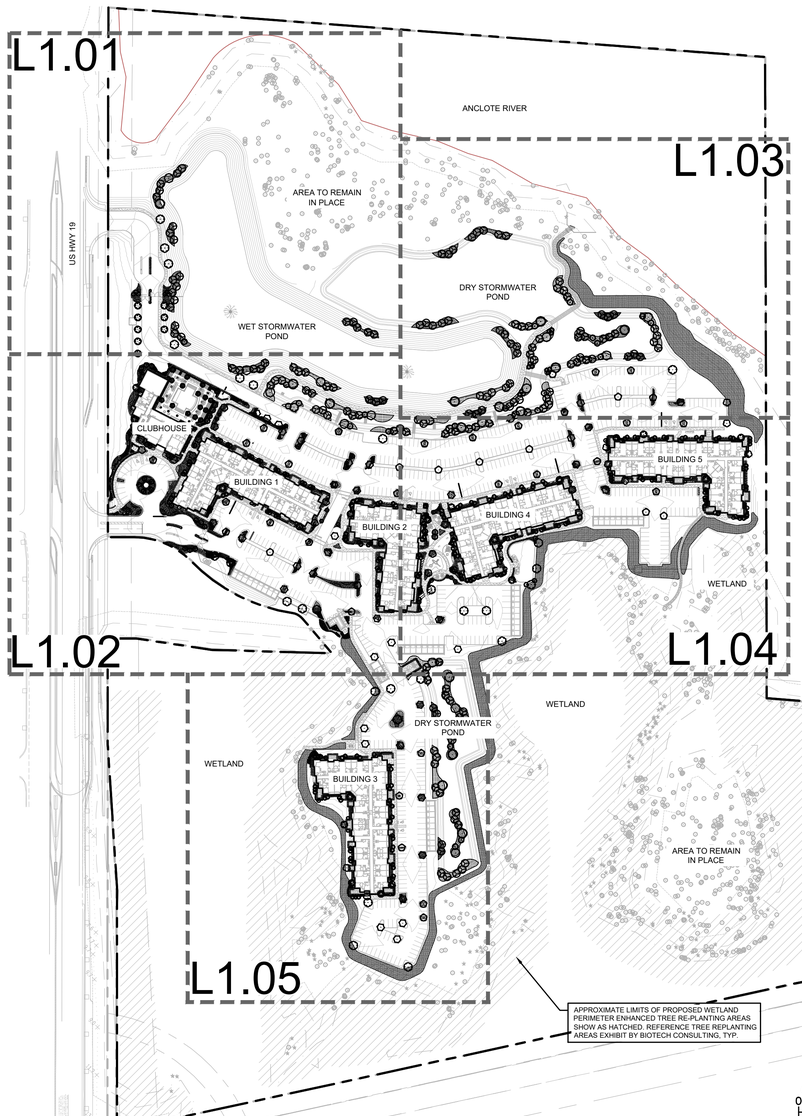
LANDSCAPE NOTES:

1. ALL LANDSCAPE MATERIAL TO BE FLORIDA GRADE #1 OR BETTER QUALITY
2. ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL.
3. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
4. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
5. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
6. ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE 1 (ONE) YEAR WARRANTY PERIOD.
11. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
12. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR WARRANTY PERIOD. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.
13. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
14. ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II," STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
15. ALL INVASIVE / EXOTIC SPECIES AND PROHIBITED TREE SPECIES SHALL BE REMOVED FROM SITE, INCLUDING ROOT BALLS TO THE EXTENT POSSIBLE WITH NO DAMAGE TO ADJACENT EXISTING TREES.
16. TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS "ESTABLISHED" (AS APPROVED BY THE LANDSCAPE ARCHITECT).
17. ALL LANDSCAPE AREAS WILL BE PROVIDED WITH PERMANENT AUTOMATIC IRRIGATION SYSTEM.
18. LANDSCAPE FERTILIZER APPLICATION SHALL BE IN ACCORDANCE WITH THE ESTABLISHED UNIVERSITY OF FLORIDA "FLORIDA FRIENDLY LANDSCAPING PROGRAM" BEST MANAGEMENT PRACTICES FOR APPROPRIATE ON-SITE FERTILIZER USE. UNDER NO CIRCUMSTANCES SHALL FERTILIZER APPLICATION BE APPLIED WITHIN 10' OF ANY WATER BODY.
19. LANDSCAPE MATERIAL LOCATED WITHIN DUKE ENERGY EASEMENT LIMITS ALONG US 19 IS SUBJECT TO PERMITTING APPROVAL THROUGH DUKE ENERGY. TREE SPECIES REACHING A MATURE HEIGHT OF MORE THAN 12' HAVE BEEN OMITTED WITHIN DUKE ENERGY EASEMENT LIMITS DUE TO TRANSMISSION LINE RIGHT-OF-WAY LANDSCAPE GUIDELINES AND RESTRICTIONS.
20. MINIMUM CLEARANCES SHALL BE PROVIDED FROM PUBLICLY OWNED UTILITIES WHEN INSTALLING TREES: LARGE SPECIES 20 FEET, MEDIUM SPECIES 15 FEET AND SMALL SPECIES 10 FEET.
21. AT CONCLUSION OF CONTRACTOR WARRANTY PERIOD ON PLANT MATERIAL, THE PROPERTY OWNER SHALL BE SOLELY RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF ALL LANDSCAPE AREAS IN ACCORDANCE WITH THE APPROVED SITE PLAN SO AS TO PRESENT A HEALTHY, NEAT, AND ORDERLY APPEARANCE. AND ALL LANDSCAPED AREAS ARE TO BE KEPT FREE FROM REFUSE AND DEBRIS. FOR REQUIRED LANDSCAPE AREAS WHICH DIE FROM LACK OF MAINTENANCE, DISEASE, OR OTHER NATURAL OCCURRENCE, THE CITY STAFF SHALL REQUIRE RE-LANDSCAPING. THIS SHALL BE APPLICABLE TO ALL REQUIRED LANDSCAPING, WHETHER INSTALLED UNDER THE TERMS OF THIS CODE OR A PREVIOUS ORDINANCE.



CODE MINIMUM LANDSCAPE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
	ED	3	ELAEOCARPUS DECIPIENS FULL, FL #1, SINGLE STRAIGHT LEADER, UNSHEARED NATURAL SHAPE, 5' C.T. MIN., TREE FORM HIGH DROUGHT TOLERANCE	JAPANESE BLUEBERRY TREE	FG	3" CAL MIN	10' HT., 4' SPR.
	IE2	38	ILEX X ATTENUATA 'EAGLESTON' FULL, FL #1, SINGLE, STRAIGHT LEADER, 5' C.T. MIN. TREE FORM NATIVE, MODERATE DROUGHT TOLERANCE	EAGLESTON HOLLY	FG	3" CAL MIN	10' HT., 4' SPR.
	QV	14	QUERCUS VIRGINIANA FULL, FL #1, SINGLE, STRAIGHT LEADER NATIVE, HIGH DROUGHT TOLERANCE	SOUTHERN LIVE OAK	FG	3" CAL MIN	10' HT., 4' SPR.
	TD	70	TAXODIUM DISTICHUM FULL, FL #1, SINGLE, STRAIGHT LEADER NATIVE, HIGH DROUGHT TOLERANCE	BALD CYPRESS	FG	3" CAL MIN	10' HT., 4' SPR.
	UE	35	ULMUS PARVIFOLIA 'EMER II' TM FULL, FL #1, SINGLE, STRAIGHT LEADER HIGH DROUGHT TOLERANCE	ALLEE LACEBARK ELM	FG	3" CAL MIN	10' HT., 4' SPR.

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
	IN	35	ILEX CORNUTA 'NEEDLEPOINT' FULL, FL#1, HIGH DROUGHT TOLERANCE	NEEDLEPOINT HOLLY	3 GAL	36" OC	24" HT MIN
	IS	388	ILEX VOMITORIA 'SCHILLINGS' FULL, FL#1, NATIVE, HIGH DROUGHT TOLERANCE	SCHILLINGS YAUPON HOLLY	3 GAL	30" OC	18" FULL
	LL2	15	LIGUSTRUM JAPONICUM FULL, FL#1, HIGH DROUGHT TOLERANCE	LIGUSTRUM SHRUB	7 GAL	SEE PLAN	36" FULL
	PA	29	PLUMBAGO AURICULATA FULL, FL#1, MODERATE DROUGHT TOLERANCE	BLUE PLUMBAGO	3 GAL	36" OC	20" FULL
	VO	79	VIBURNUM SUSPENSUM FULL, FL#1, MODERATE DROUGHT TOLERANCE	SANDANKWA VIBURNUM	7 GAL	36" OC	36" FULL
	ZI	315	ZAMIA INTEGRIFOLIA FULL, FL#1, NATIVE, HIGH DROUGHT TOLERANCE	COONTIE	3 GAL	30" OC	20" FULL

GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	AG	1,000	ARACHIS GLABRATA FULL, FL#1, HIGH DROUGHT TOLERANCE	PERENNIAL PEANUT	1 GAL	12" SPRD MIN	18" OC
	JP	209	JUNIPERUS CHINENSIS 'PARSONII' FULL, FL#1, HIGH DROUGHT TOLERANCE	PARSONI JUNIPER	1 GAL	18" SPRD	30" OC
	LH	303	LANTANA X 'NEW GOLD' FULL, FL#1, HIGH DROUGHT TOLERANCE	NEW GOLD LANTANA	1 GAL	18" SPRD	24" OC
	LS	79	LIRIOPE MUSCARI 'SUPER BLUE' FULL, FL#1, MODERATE DROUGHT TOLERANCE	SUPER BLUE LIRIOPE	1 GAL	12" FULL	18" OC

MISC.	QTY	BOTANICAL/COMMON NAME	SPECIFICATIONS
MULCH	TBD	CYPRESS MULCH 'DESIGNER BROWN'	3 " DEPTH MINIMUM, SHREDDED, FREE OF WEEDS/INVASIVE PLANT MATERIAL
SOD	TBD	PASPALUM NOTATUM 'ARGENTINE'/ ARGENTINE BAHIA GRASS	ROLLED TIGHT, 100% WEED/INSECT/DISEASE FREE
SOD	TBD	PTENOTAPHRUM SECUNDATUM 'FLORATAM' FLORATAM ST. AUGUSTINE GRASS	ROLLED TIGHT, 100% WEED/INSECT/DISEASE FREE
SEED	TBD	PASPALUM NOTATUM 'ARGENTINE'/ ARGENTINE BAHIA GRASS	35LBS/ACRE, 100% WEED/INSECT/DISEASE FREE

TARPON SPRINGS LANDSCAPE CODE		
CODE	REQUIRED	PROPOSED
PARKING LOTS ABUTTING PUBLIC RIGHTS-OF-WAY - SEC 134.05(B)(1) *1 CANOPY TREE/ 30LF (137' LF / 30 LF)* *CONTINUOUS HEDGE @ 30" HT. MIN.*	BUFFER A: 5 TREES CONTINUOUS HEDGE	BUFFER A: 15 ACCENT BUFFER SHRUBS (PROVIDED AT A 3:1 RATIO IN LIEU OF TREES DUE TO DUKE ENERGY EASEMENT RESTRICTIONS) CONTINUOUS HEDGE
INTERIOR LANDSCAPING WITHIN PARKING LOTS - SEC 134.06(C) *1 CANOPY TREE / INTERNAL ISLAND* *100 SF LANDSCAPE AREA / 5 PARKING SPACES*	90 TREES (716 SPACES / 5) X 100 SF = 14,320 SF LANDSCAPE AREA	90 TREES 15,521 SF LANDSCAPE AREA
RETENTION/DETENTION PONDS - SEC 134.07 *BANKS TO BE PLANTED AT A COVERAGE RATE OF 20%*	(104,956 SF X 20%) / 300 SF / TREE = 70 TREES	70 TREES
MINIMUM TREE PLANTING - SEC 134.04 LOTS OVER 15,000 SF REQUIRE 8 TREES + 1 TREE FOR EACH 2,000 SF IN EXCESS OF 15,000 SF	LOT SIZE *(TOTAL SITE ACREAGE)*: 64.17 AC WETLANDS: 21.17 AC UPLANDS *(TREE SURVEY AREA)*: 43.00 AC PROPOSED ON-SITE STORMWATER PONDS: 7.95 AC QUALIFYING ACREAGE FOR MINIMUM TREE PLANTING: 35.05 AC (1,526,778 SF) TOTAL REQUIRED SHADE TREES: *((1,526,778 SF - 15,000 SF) / 2,000 SF PER TREE)) + 8 TREES =* ***764 TREES***	SHADE TREES IDENTIFIED PER TREE SURVEY: 2,389 IDENTIFIED SHADE TREES *(EXCLUDES PALMS AND INVASIVE SPECIES)* PRESERVED SHADE TREES: 1,168 PRESERVED SHADE TREES PROPOSED CODE SHADE TREES: 160 SHADE TREES ANTICIPATED ENHANCED SHADE TREES: 191 SHADE TREES TOTAL PROVIDED SHADE TREES: **1,519** PROVIDED SHADE TREES

XERISCAPE NOTES:

79% OF PROPOSED TREES AND PALMS ARE NATIVE SPECIES
- HIGH DROUGHT TOLERANT TREES / PALMS = 80% OF MATERIAL PROPOSED
- MODERATE DROUGHT TOLERANT TREES / PALMS = 20% OF MATERIAL PROPOSED
- LOW DROUGHT TOLERANT TREES / PALMS = 0%

90% OF PROPOSED SHRUBS AND GROUNDCOVER ARE NATIVE SPECIES
- HIGH DROUGHT TOLERANT SHRUBS / GROUNDCOVER = 65% OF MATERIAL PROPOSED
- MODERATE DROUGHT TOLERANT SHRUBS / GROUNDCOVER = 35 % OF MATERIAL PROPOSED
- LOW DROUGHT TOLERANT SHRUBS / GROUNDCOVER = 0%

A 3" DEPTH MINIMUM MUCH APPLICATION, AS OUTLINED IN THE PLANT SCHEDULE, SHALL BE PROVIDED TO ALL LANDSCAPE AREAS TO MINIMIZE SOIL EVAPORATION.

LANDSCAPE FERTILIZER APPLICATION SHALL BE IN ACCORDANCE WITH THE ESTABLISHED UNIVERSITY OF FLORIDA "FLORIDA FRIENDLY LANDSCAPING PROGRAM" BEST MANAGEMENT PRACTICES FOR APPROPRIATE ON-SITE FERTILIZER USE. UNDER NO CIRCUMSTANCES SHALL FERTILIZER APPLICATION BE APPLIED WITHIN 10' OF ANY WATER BODY.

LANDSCAPE IRRIGATION APPLICATION SYSTEM SHALL BE MAINTAINED AND OPERATE EFFECTIVELY WITHIN THE CITY DEFINED WATER "WINDOWS" (5 AM TO 9 AM) TO MINIMIZE EVAPORATION ALONG WITH CONTINUALLY MAINTAINING ALL OVERHEAD SPRAY HEADS TO ENSURE MINIMAL OVER-SPRAY OCCURS ON ANY HARDSCAPE SURFACE.

PRIMARY USE OF NATIVE / DROUGHT TOLERANT TREES, SHRUBS, AND GROUNDCOVER MATERIALS ALONG WITH THE EXCLUSION OF LOW DROUGHT TOLERANT MATERIAL WILL ALLOW FOR THE EFFECTIVE APPLICATION OF IRRIGATION THROUGH SIMILAR WATER USAGE NEEDS WITHIN THE LANDSCAPE. SHRUB MATERIAL SHALL ALSO BE MAINTAINED AND PRUNED TO THE INTENDED HEIGHT TO ENSURE EFFECTIVE IRRIGATION SYSTEM OPERATION.

PROPOSED LAWN AREAS SHALL INCLUDE THE PRIMARY USE OF DROUGHT TOLERANT BAHIA SOD AND LIMITED USE OF ST. AUGUSTINE SOD. THE CONSOLIDATED AND LIMITED USE OF ST. AUGUSTINE SOD INCLUDES ALONG BUILDING FACADES AND AMENITY AREAS AS NOTED ON THE LANDSCAPE PLAN. TREES AND SHRUB / GROUNDCOVER AREAS SHALL BE IRRIGATED SEPARATELY FROM GRASSED LAWN AREAS FOR EFFECTIVE IRRIGATION APPLICATION.

ANTICIPATED ENHANCED LANDSCAPE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
	AA	14	ACER X FREEMANII 'JEFFSRED' TM FULL, FL #1, SINGLE, STRAIGHT LEADER NATIVE, MODERATE DROUGHT TOLERANCE	AUTUMN BLAZE FREEMAN MAPLE	FG	3" CAL MIN	10' HT., 4' SPR.
	ED	22	ELAEOCARPUS DECIPIENS FULL, FL #1, SINGLE STRAIGHT LEADER, UNSHEARED NATURAL SHAPE, 5' C.T. MIN., TREE FORM HIGH DROUGHT TOLERANCE	JAPANESE BLUEBERRY TREE	FG	3" CAL MIN	10' HT., 4' SPR.
	MB	26	MAGNOLIA GRANDIFLORA 'BRACKENS BROWN BEAUTY' FULL, FL #1, SINGLE, STRAIGHT LEADER NATIVE, MODERATE DROUGHT TOLERANCE	BRACKEN'S SOUTHERN MAGNOLIA	FG	3" CAL MIN	10' HT., 4' SPR.
	PO	14	PLATANUS OCCIDENTALIS FULL, FL #1, SINGLE, STRAIGHT LEADER NATIVE, MODERATE DROUGHT TOLERANCE	AMERICAN SYCAMORE	FG	3" CAL MIN	10' HT., 4' SPR.
	QV	14	QUERCUS VIRGINIANA FULL, FL #1, SINGLE, STRAIGHT LEADER NATIVE, HIGH DROUGHT TOLERANCE	SOUTHERN LIVE OAK	FG	3" CAL MIN	10' HT., 4' SPR.
	TD	87	TAXODIUM DISTICHUM FULL, FL #1, SINGLE, STRAIGHT LEADER NATIVE, HIGH DROUGHT TOLERANCE	BALD CYPRESS	FG	3" CAL MIN	10' HT., 4' SPR.
	TH	10	TABEBUIA HETEROPHYLLA FULL, FL #1, SINGLE, STRAIGHT LEADER HIGH DROUGHT TOLERANCE	PINK TABEBUIA TREE	FG	3" CAL MIN	10' HT., 4' SPR.
	UE	4	ULMUS PARVIFOLIA 'EMER II' TM FULL, FL #1, SINGLE, STRAIGHT LEADER HIGH DROUGHT TOLERANCE	ALLEE LACEBARK ELM	FG	3" CAL MIN	10' HT., 4' SPR.

PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
	LR	35	LIVISTONA DECORA FL#1, CLOSELY MATCHING, SPECIMEN QUALITY, HIGH DROUGHT TOLERANCE	RIBBON PALM	FG	-	12' CT
	SS	199	SABAL PALMETTO FL #1, 14" CAL. MIN., SLICK,REGENERATED, NATIVE, HIGH DROUGHT TOLERANCE	SABAL PALM	FG	HEAVY	12' - 18' CT

UNDERSTORY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
	IC	6	ILEX VOMITORIA 'UPRIGHT YAUPON' FULL, FL #1, MULTI-TRUNK, 3 TRUNK MIN. UNDERSTORY TREE FORM, 3' CLEAR TRUNK MIN. NATIVE, HIGH DROUGHT TOLERANCE	YAUPON HOLLY UPRIGHT	FG	5" CAL. TOT.	8` HT., 4` SPR.
	IE	18	ILEX X ATTENUATA `EAGLESTON` FULL, FL #1, SINGLE, STRAIGHT LEADER, FULL TO BASE NATIVE, MODERATE DROUGHT TOLERANCE	EAGLESTON HOLLY	FG	2" CAL MIN	8` HT., 4` SPR.
	LL	30	LIGUSTRUM JAPONICUM FULL, FL #1, MULTI-TRUNK, 3 TRUNK MIN.,TREE FORM, 4' CLEAR TRUNK MIN. HIGH DROUGHT TOLERANCE	TREE LIGUSTRUM	FG	5" CAL. TOT.	10` HT., 8` SPR.
	MC2	21	MYRICA CERIFERA MULTI-TRUNK, 3-TRUNK MIN, FL#1 NATIVE, MODERATE DROUGHT TOLERANCE	WAX MYRTLE	FG	5" CAL. TOT.	10` HT., 4` SPR.

SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
	GG	243	GALPHIMIA GLAUCA FULL, FL#1, MODERATE DROUGHT TOLERANCE	THRYALIS	3 GAL	36" OC	20" FULL
	HP	678	HAMELIA PATENS `FIREFLY` FULL, FL#1, NATIVE, MODERATE DROUGHT TOLERANCE	FIREFLY FIREBUSH	3 GAL	36" OC	20" FULL
	IB	527	ILEX CORNUTA `DWARF BURFORD` FULL, FL#1, HIGH DROUGHT TOLERANCE	DWARF BURFORD HOLLY	3 GAL	36" OC	20" FULL
	IN	203	ILEX CORNUTA `NEEDLEPOINT` FULL, FL#1, HIGH DROUGHT TOLERANCE	NEEDLEPOINT HOLLY	3 GAL	36" OC	24" HT MIN
	IS	441	ILEX VOMITORIA `SCHILLINGS` FULL, FL#1, NATIVE, HIGH DROUGHT TOLERANCE	SCHILLINGS YAUPON HOLLY	3 GAL	30" OC	18" FULL
	PA	142	PLUMBAGO AURICULATA FULL, FL#1, MODERATE DROUGHT TOLERANCE	BLUE PLUMBAGO	3 GAL	36" OC	20" FULL
	PM	949	PODOCARPUS MACROPHYLLUS FULL, FL#1, HIGH DROUGHT TOLERANCE	PODOCARPUS	7 GAL	36" OC	36" HT MIN
	TD2	1,334	TRIPSACUM FLORIDANUM FULL, FL#1, NATIVE, MODERATE DROUGHT TOLERANCE	DWARF FAKAHATCHEE GRASS	3 GAL	36" OC	24" FULL
	VO	12	VIBURNUM SUSPENSUM FULL, FL#1, MODERATE DROUGHT TOLERANCE	SANDANKWA VIBURNUM	7 GAL	36" OC	36" FULL
	ZI	102	ZAMIA INTEGRIFOLIA FULL, FL#1, NATIVE, HIGH DROUGHT TOLERANCE	COONTIE	3 GAL	30" OC	20" FULL

SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	MC3	202	MUHLENBERGIA CAPILLARIS FULL, FL#1, NATIVE, HIGH DROUGHT TOLERANCE	PINK MUHLY GRASS	3 GAL	24" FULL	36" OC
	SB	1,067	SPARTINA BAKERI FULL, FL#1, NATIVE, HIGH DROUGHT TOLERANCE	SAND CORDGRASS	3 GAL	24" FULL	48" OC
	TD3	1,592	TRIPSACUM FLORIDANUM FULL, FL#1, NATIVE, MODERATE DROUGHT TOLERANCE	DWARF FAKAHATCHEE GRASS	3 GAL	24" FULL	48" OC

GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	AA2	237	AGAPANTHUS AFRICANUS FULL, FL#1, MODERATE DROUGHT TOLERANCE	LILY OF THE NILE	3 GAL	18" FULL	30" OC
	AG	399	ARACHIS GLABRATA FULL, FL#1, HIGH DROUGHT TOLERANCE	PERENNIAL PEANUT	1 GAL	12" SPRD MIN	18" OC
	EX	905	EVOLVULUS X BLUE MY MIND FULL, FL#1, MODERATE DROUGHT TOLERANCE	BLUE DAZE BLUE MY MIND	1 GAL	12" SPRD MIN	18" OC
	JP	764	JUNIPERUS CHINENSIS `PARSONII` FULL, FL#1, HIGH DROUGHT TOLERANCE	PARSONI JUNIPER	1 GAL	18" SPRD	30" OC
	LH	500	LANTANA X `NEW GOLD` FULL, FL#1, HIGH DROUGHT TOLERANCE	NEW GOLD LANTANA	1 GAL	18" SPRD	24" OC
	LS	569	LIRIOPE MUSCARI `SUPER BLUE` FULL, FL#1, MODERATE DROUGHT TOLERANCE	SUPER BLUE LIRIOPE	1 GAL	12" FULL	18" OC
	NG	69,837	NATIVE FLORIDA GRASS MIXTURE TRIPSACUM FLORIDANA / FLORIDA GAMA GRASS (33%) SPARTINA BAKERI / SANDCORD GRASS (33%) MUHLENBERGIA CAPILLARIS / PINK MUHLYGRASS (33%) FULL, FL#1 PLANT MATERIAL	NATIVE FL GRASS MIXTURE	2" PLUG	10" FULL	12" OC
	TM	589	TRACHELOSPERMUM ASIATICUM `MINIMA`	MINIMA JASMINE	1 GAL	12" SPRD MIN	18" OC

TRC SUBMITTAL 09/15/2021

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PHONE: 813-620-1460
WWW.KIMLEY-HORN.COM CA 00006696

REGISTERED LANDSCAPE ARCHITECT WESLEY A. ROGERS LA6667442 STATE OF FLORIDA PROFESSIONAL LANDSCAPE ARCHITECT
DATE: 9/14/2021

SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
	SKP	SKP	WMR

OVERALL FDP LANDSCAPE PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
09/15/2021
PROJECT NO.
145062001
SHEET NUMBER
L1.00



PLANT SCHEDULE KEY

TREES	CODE	COMMON NAME
	AA	AUTUMN BLAZE FREEMAN MAPLE
	ED	JAPANESE BLUEBERRY TREE
	IE2	EAGLESTON HOLLY
	MB	BRACKEN'S SOUTHERN MAGNOLIA
	PO	AMERICAN SYCAMORE
	QV	SOUTHERN LIVE OAK
	TD	BALD CYPRESS
	TH	PINK TABEBUIA TREE
	UE	ALLEE LACEBARK ELM

PALM TREES	CODE	COMMON NAME
	LR	RIBBON PALM
	SS	SABAL PALM

UNDERSTORY TREES	CODE	COMMON NAME
	IC	YAUPON HOLLY UPRIGHT
	IE	EAGLESTON HOLLY
	LL	TREE LIGUSTRUM
	MC2	WAX MYRTLE

SHRUBS	CODE	COMMON NAME
	GG	THRYALIS
	HP	FIREFLY FIREBUSH
	IB	DWARF BURFORD HOLLY
	IN	NEEDLEPOINT HOLLY
	IS	SCHILLINGS YAUPON HOLLY
	LL2	LIGUSTRUM SHRUB
	PA	BLUE PLUMBAGO
	PM	PODOCARPUS
	TD2	DWARF FAKAHATCHEE GRASS
	VO	SANDANKWA VIBURNUM
	ZI	COONTIE

SHRUB AREAS	CODE	COMMON NAME
	MC3	PINK MUHLY GRASS
	SB	SAND CORDGRASS
	TD3	DWARF FAKAHATCHEE GRASS

GROUND COVERS	CODE	COMMON NAME
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	AG	PERENNIAL PEANUT
	EX	BLUE DAZE BLUE MY MIND
	JP	PARSONI JUNIPER
	LH	NEW GOLD LANTANA
	LS	SUPER BLUE LIRIOPE
	NG	NATIVE FL GRASS MIXTURE
	TM	MINIMA JASMINE

GRAPHIC SCALE IN FEET
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TRC SUBMITTAL 09/15/2021

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WWW.KIMLEY-HORN.COM CA 00000696

REGISTERED LANDSCAPE ARCHITECT
WESTON MICHAEL ROGERS
LA6667442
STATE OF FLORIDA
PROFESSIONAL
DATE: 9/14/2021

SCALE
DESIGNED BY SKP
DRAWN BY SKP
CHECKED BY WMR

FDP LANDSCAPE PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 09/15/2021
PROJECT NO. 145062001
SHEET NUMBER L1.01

Drawing name: K:\ORL_LA\TAMPA\145062001 - Anclote Harbor Multi-Family\CAD\CONST\PlanSheets\FDP (Final Development Plan)\L1.00 - LANDSCAPE PLAN.dwg L1.01 Sep 14, 2021 12:57pm by: Wes.Rogers

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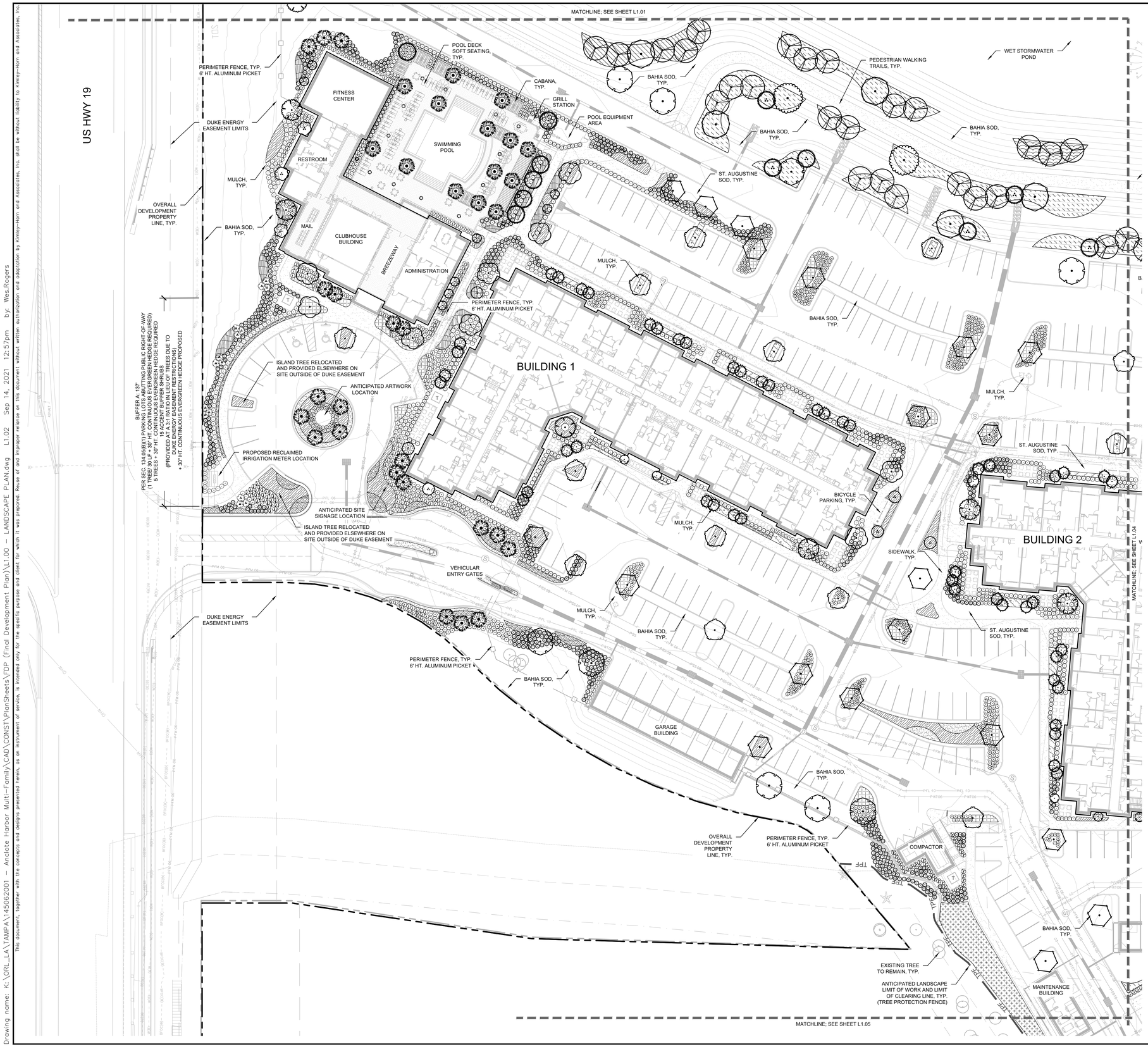

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	IE2	EAGLESTON HOLLY
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PALM TREES	CODE	COMMON NAME
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	LL	TREE LIGUSTRUM
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	HP	FIREFLY FIREBUSH
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REGISTERED LANDSCAPE ARCHITECT WES M. ROGERS LA6667442 STATE OF FLORIDA PROFESSIONAL
DATE: 9/14/2021

SCALE	
DESIGNED BY	SKP
DRAWN BY	SKP
CHECKED BY	WMR

FDP LANDSCAPE PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 09/15/2021
PROJECT NO. 145062001
SHEET NUMBER L1.02

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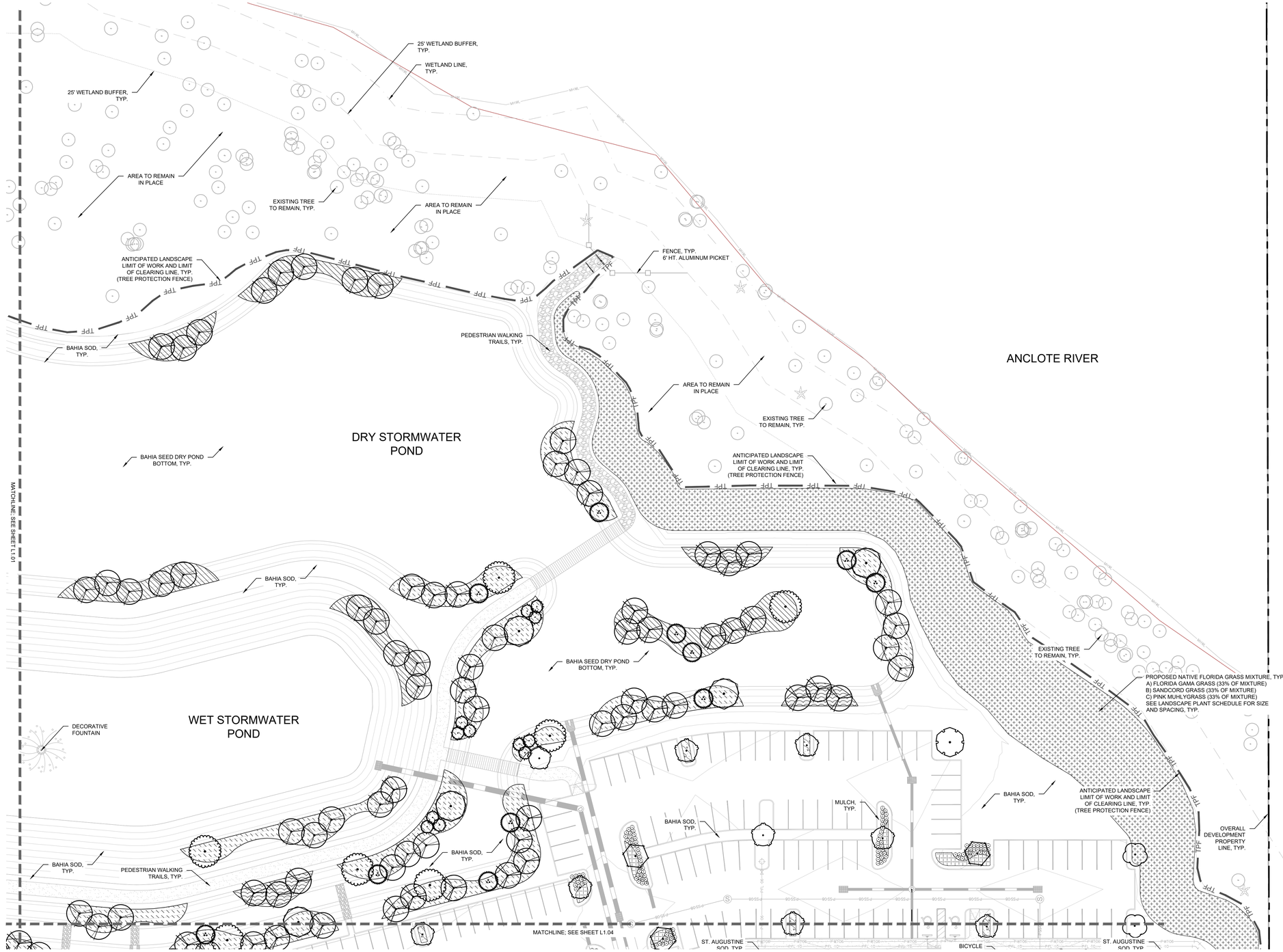

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REGISTERED LANDSCAPE ARCHITECT ANCHA E. ROGERS LA6667442 STATE OF FLORIDA PROFESSIONAL
DATE: 9/14/2021

SCALE	
DESIGNED BY	SKP
DRAWN BY	SKP
CHECKED BY	WMR

FDP LANDSCAPE PLAN

MORGAN ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 09/15/2021
PROJECT NO. 145062001
SHEET NUMBER L1.03

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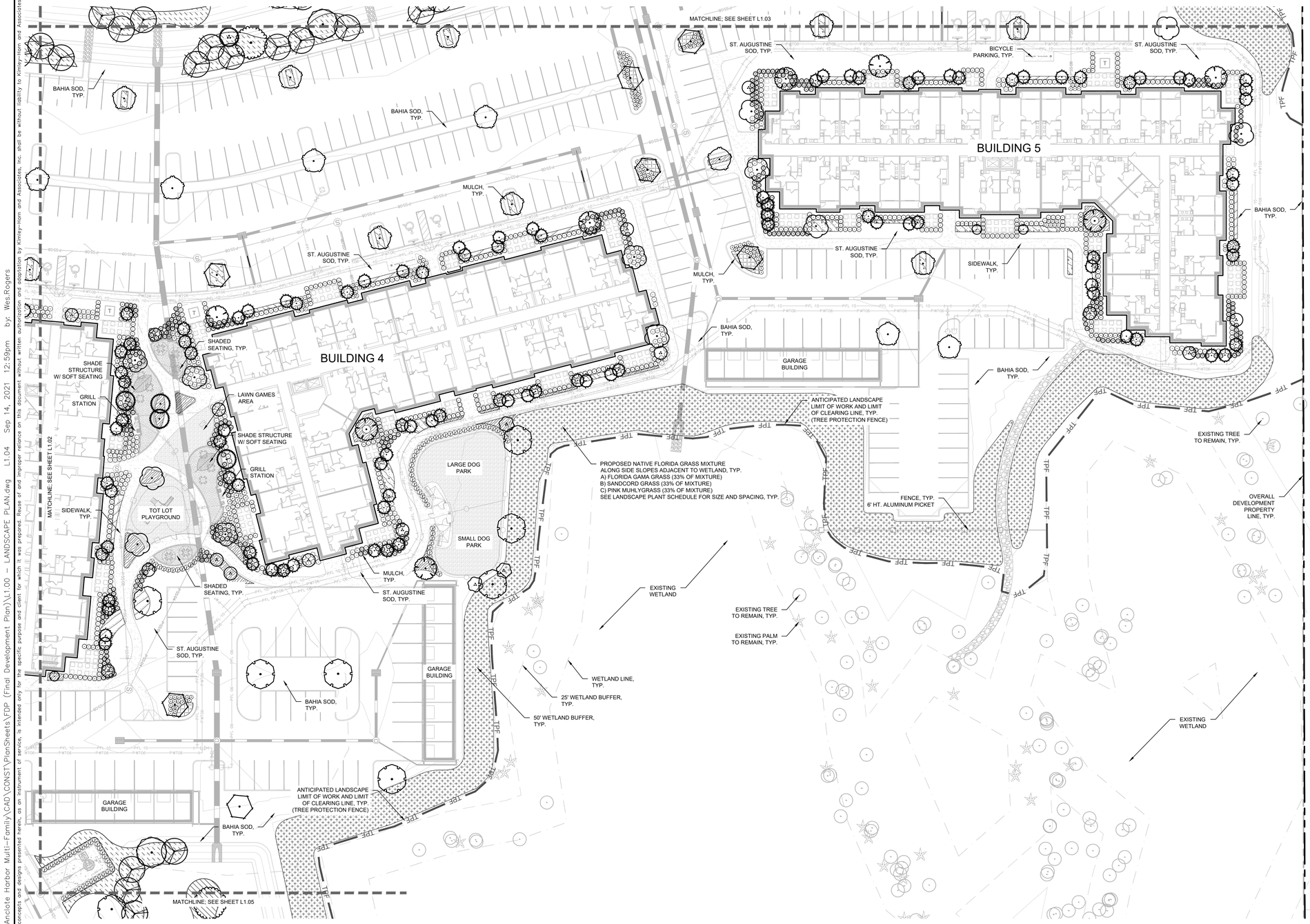

PLANT SCHEDULE KEY

TREES	CODE	COMMON NAME
	AA	AUTUMN BLAZE FREEMAN MAPLE
	ED	JAPANESE BLUEBERRY TREE
	IE2	EAGLESTON HOLLY
	MB	BRACKEN'S SOUTHERN MAGNOLIA
	PO	AMERICAN SYCAMORE
	QV	SOUTHERN LIVE OAK
	TD	BALD CYPRESS
	TH	PINK TABEBUIA TREE
	UE	ALLEE LACEBARK ELM

PALM TREES	CODE	COMMON NAME
	LR	RIBBON PALM
	SS	SABAL PALM

UNDERSTORY TREES	CODE	COMMON NAME
	IC	YAUPON HOLLY UPRIGHT
	IE	EAGLESTON HOLLY
	LL	TREE LIGUSTRUM
	MC2	WAX MYRTLE

SHRUBS	CODE	COMMON NAME
	GG	THRYALIS
	HP	FIREFLY FIREBUSH
	IB	DWARF BURFORD HOLLY
	IN	NEEDLEPOINT HOLLY
	IS	SCHILLINGS YAUPON HOLLY
	LL2	LIGUSTRUM SHRUB
	PA	BLUE PLUMBAGO
	PM	PODOCARPUS
	TD2	DWARF FAKAHATCHEE GRASS
	VO	SANDANKWA VIBURNUM
	ZI	COONTIE

SHRUB AREAS	CODE	COMMON NAME
	MC3	PINK MUHLY GRASS
	SB	SAND CORDGRASS
	TD3	DWARF FAKAHATCHEE GRASS

GROUND COVERS	CODE	COMMON NAME
	AA2	LILY OF THE NILE
	AG	PERENNIAL PEANUT
	EX	BLUE DAZE BLUE MY MIND
	JP	PARSONI JUNIPER
	LH	NEW GOLD LANTANA
	LS	SUPER BLUE LIRIOPE
	NG	NATIVE FL GRASS MIXTURE
	TM	MINIMA JASMINE

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

TRC SUBMITTAL 09/15/2021

GROUNDWATER / DEWATERING NOTE:

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

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No.	REVISIONS	DATE	BY

Kimley»Horn
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PHONE: 813-620-1460
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REGISTERED LANDSCAPE ARCHITECT WES ROGERS LA667442 STATE OF FLORIDA
DATE: 9/14/2021

SCALE		
DESIGNED BY	SKP	
DRAWN BY	SKP	
CHECKED BY	WMR	

FDP LANDSCAPE PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 09/15/2021
PROJECT NO. 145062001
SHEET NUMBER L1.04

Drawing name: K:\ORL_LA\TAMPA\145062001 - Anclote Harbor Multi-Family\CAD\CONSTVPlanSheets\FDP (Final Development Plan)\L1.00 - LANDSCAPE PLAN.dwg L1.04 Sep 14, 2021 12:59pm by: Wes.Rogers
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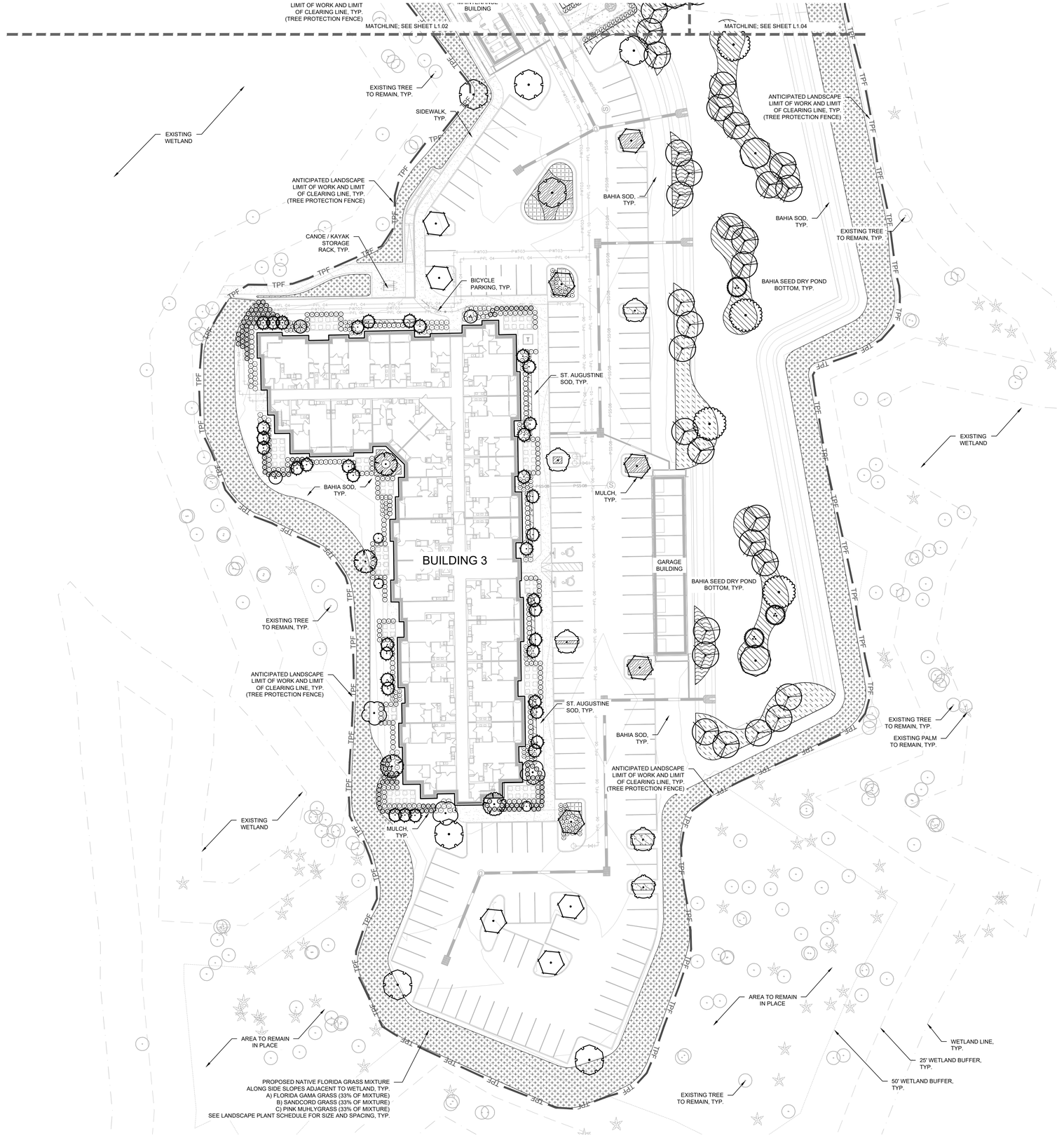

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PALM TREES	**CODE**	**COMMON NAME**
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	NG	NATIVE FL GRASS MIXTURE
	TM	MINIMA JASMINE

GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

TRC SUBMITTAL 09/15/2021

GROUNDWATER / DEWATERING NOTE:
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REGISTERED LANDSCAPE ARCHITECT RANCHA ROGERS LA6667442 STATE OF FLORIDA PROFESSIONAL
DATE: 9/14/2021

SCALE		
DESIGNED BY	SKP	
DRAWN BY	SKP	
CHECKED BY	WMR	

FDP LANDSCAPE PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE 09/15/2021
PROJECT NO. 145062001
SHEET NUMBER L1.05

Drawing name: K:\ORL_LA\TAMPA\145062001 - Anclote Harbor Multi-Family\CAD\CONST\PlanSheets\FDP (Final Development Plan)\L1.00 - LANDSCAPE PLAN.dwg L1.05 Sep 14, 2021 12:59pm by: Wes.Rogers
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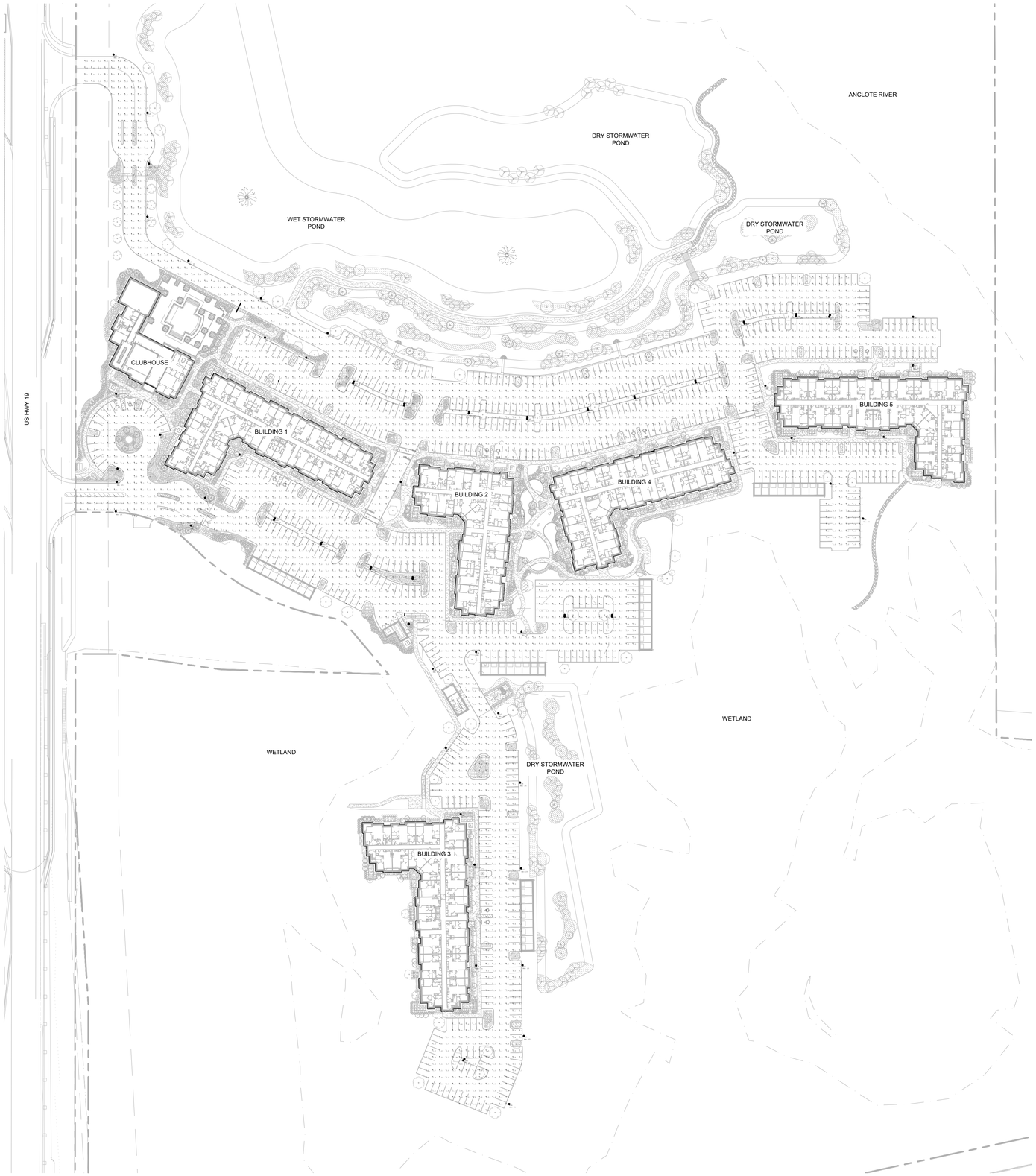

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	6	SLB	SINGLE	N.A.	0.900	URB-XXXX-26-60L-136-3K7-3-U
	13	SLC	SINGLE	N.A.	0.900	URB-XXXX-26-60L-136-3K7-2-U
	1	SLD	SINGLE	N.A.	0.900	URB-XXXX-26-36L-80-3K7-T5W-U
	13	SLE	SINGLE	N.A.	0.900	URB-XXXX-26-60L-136-3K7-4-U
	7	SLA	SINGLE	N.A.	0.900	URB-XXXX-26-60L-136-3K7-4W-U
	17	SLE2	GROUP	N.A.	0.900	Twin Mount SLE Fixtures

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Clubhouse Entry Drive	Illuminance	Fc	2.91	6.9	1.0	2.91	6.90
Entry Drive	Illuminance	Fc	2.44	6.3	1.1	2.22	5.73
Parking Surface	Illuminance	Fc	2.33	6.6	1.0	2.33	6.60

NORTH

GRAPHIC SCALE IN FEET
0 40 80 160

TRC SUBMITTAL 07/22/2021

GROUNDWATER / DEWATERING NOTE:
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SCALE
DESIGNED BY SKP
DRAWN BY SKP
CHECKED BY WMR
DESIGN PROFESSIONAL:
DATE: 7/19/2021

PHOTOMETRIC LIGHTING PLAN

MORGAN
ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

DATE
07/22/2021
PROJECT NO.
145062001
SHEET NUMBER
P1.00

Drawing name: C:\Users\wes.rogers\appdata\local\temp\AcPublish_14288\P1.00 – PHOTOMETRIC PLAN.dwg P1.00 Jul 19, 2021 3:13pm by: Wes.Rogers
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Drawing name: C:\Users\wes.rogers\ppdata\local\temp\AcPublish_14288\P1.00 – PHOTOMETRIC PLAN.dwg P1.50 Jul 19, 2021 3:13pm by: Wes.Rogers

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URBAN SERIES
URBAN LUMINAIRE

DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

FEATURES
- Decorative transitional style lighting fixture series is suitable for walkway lighting and wall mounting
- Two unique shade and style options
- LED turtle-friendly option available
- Integral Surge and Thermal Protection



CONTROL TECHNOLOGY
SiteSync® energen®

SPECIFICATIONS
CONSTRUCTION
- The drivers shall be located in the top cast housing and shall be accessible without tools by hinging the lower shade assembly. The driver and all electrical components shall be on a tray
- The lower shade shall be made from a one-piece aluminum spinning
- The housing is designed for LED thermal management without the use of metallic screens, cages, or fins. The top casting shall be able to be pendent mounted in place with a stainless steel safety pin and then permanently held in place with four stainless steel bolts

ELECTRICAL
- 500V through 277V, 50 Hz to 60 Hz (UNV), or 347V or 480V input
- Power factor is ≥0.90 at full load
- Dimming drivers are standard with connections for external dimming equipment available upon request.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is listed by UL for use at 600VAC at 50°C or higher
- Plug disconnects are listed by UL for use at 600 VAC, 15A or higher. 15A rating applies to primary (AC) side only
- Fixture electrical compartment shall contain all LED driver components
- Button photocell available
- Ambient operating temperature -40°C to 40°C

ELECTRICAL (CONTINUED)
- Surge protection - 20KA
- Lifemaker® Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. A luminaire equipped with the device may be reliably operated in any ambient temperature up to 55°C (131°F). Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power source. The device shall be compatible with all drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.)

CONTROLS
- Available with Energenr for optional set dimming, timed dimming with simple dialing, or timed dimming based on time of night visit. www.beaconproducts.com/products/energent
- Urban can be specified with SiteSync® wireless control system for reduction in energy and maintenance cost with integrated Bluetooth® 5.0 mesh. For more details, see ordering information or visit www.hubbelllighting.com/products/sitesync/

FINISH
- PS polyester powder-coat electrostatically applied and thermocured
- IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish

FINISH (CONTINUED)
- The finish meets the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds

CERTIFICATIONS
- DesignLights Consortium (DLC) qualified, consult DLC website for more detailsc https://www.designlights.org/QPL
- NRTL Certified, UL8750, UL 1598 and CSA22.2#250. 13-14 for wet locations
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at http://www.beaconproducts.com/products/urban

WARRANTY
- 5 year warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range:	3,300–15,600
Wattage Range:	55–136
1/Decay Range (LPW):	61–87

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URBAN SERIES
URBAN LUMINAIRE

DATE: | LOCATION:
TYPE: | PROJECT:
CATALOG #:

ORDERING GUIDE
CATALOG #:

Example: URB-CAP-21-36L-80–SK7–UNV–4–SWP–NRNW–BLT

Model	Lens Option	Engine-Watts	CCT/CRI	Voltage	Optics*	Electrical Options
URB Urban	CAP-21 21" Capitol	24L-27 27W, LED array	SK7 3000K, 70 CRI	UNV 120-277V	FR Type I	PCU Button Photocell, Universal
	WRS-21 21" Mineral deep shade	24L-55 55W, LED array	SK7 4000K, 70 CRI	347 347V	2 Type II	
	WAR-21 21" Marlas	36L-80 80W, LED array	SK7 5000K, 70 CRI	480 480V	3 Type III	
	CAP-36 36" Capitol	48L-110 110W, LED array			4 Type IV	
	WRS-26 26" Mineral shallow shade	60L-136 136W, LED array			ESS Type IV wide	
	WRS-36 36" Mineral deep shade				SR Type V rectangular	
	WAR-26 26" Marlas				SQM Type V square medium	
					SW Type V round wide	
					RC Recessed (available for FR, 2, 3, 4, 4W Optics)	

Control Options	Mounting Style	Style	Sensor Option	Finish
GEN-KX Energenr	PM Pendant mount	NRNW No rings	MOS Motion sensor for dusk to dawn dimming**	BLT Black Matte Textured
SWP SiteSync Wireless Pre-Commission***	SM Side mount	3RNW Three rings		BLS Black Gloss Smooth
	YM Yoke mount			DBT Dark Bronze Matte Textured
				DBS Dark Bronze Gloss Smooth
				GTT Graphite Matte Textured
				LGS Light Grey Gloss Smooth
				PSS Platinum Silver Smooth
				WHT White Matte Textured
				WHS White Gloss Smooth
				VGT Verde Green Textured
				Color Options
				CC Custom Color

Accessories:
- SWUSB SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node*
- SWTAB Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node*
- SWBRG SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested*

Notes:
* When ordering SiteSync at least one of these two interface options must be ordered per project
** If ordered, an additional Bridge Node can be ordered

Notes:
1. 39" only
2. Not for use optics left or right 90 degrees, specify L or R after the optical distribution selection, A.
3. Must specify gauge and zone information at time of order. Refer to SiteSync at www.hubbelllighting.com/products/sitesync/
4. Not available with other control or sensor options
5. When ordering EnergenI, specify the native ceiling code compliant with NEC 2017 Section 210.70(A)(1). Exception 2. Instructions for setting up EnergenI are provided in separate document.
6. Specify time delay, dimming level and mounting height
7. This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at http://www.beaconproducts.com/products/urban/pdf/urban_specs_files/Urban_LED_spec_sheet_outline.pdf
8. Only available on 24L and 36L configurations

CONTROLS
SiteSync — Pre-commissioned Ordering Information:
When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit the SiteSync family page on our website or contact Hubbell Lighting tech support at 864-678-1000.

SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: URBCAP-26/60L-136/SK7/LNV/SGM/SWP/NRNW/BLT SiteSync only
URBCAP-26/60L-136/SK7/LNV/SGM/SWPM-20FT/NRNW/BLT SiteSync with Motion Control

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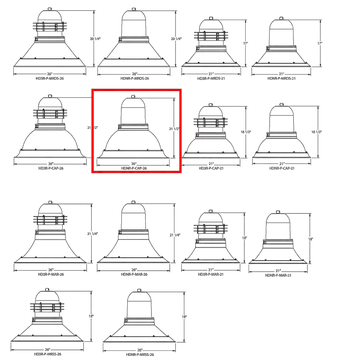
URBAN SERIES
URBAN LUMINAIRE



Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
+	6	SLB	SINGLE	N.A.	0.900	URB-XXXX-26-60L-136-3K7-3-U
+	13	SLC	SINGLE	N.A.	0.900	URB-XXXX-26-60L-136-3K7-2-U
+	1	SLD	SINGLE	N.A.	0.900	URB-XXXX-26-36L-80-3K7-T5W-U
+	13	SLE	SINGLE	N.A.	0.900	URB-XXXX-26-60L-136-3K7-4-U
+	7	SLA	SINGLE	N.A.	0.900	URB-XXXX-26-60L-136-3K7-4W-U
+ +	17	SLE2	GROUP	N.A.	0.900	Twin Mount SLE Fixtures

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Clubhouse Entry Drive	Illuminance	Fc	2.91	6.9	1.0	2.91	6.90
Entry Drive	Illuminance	Fc	2.44	6.3	1.1	2.22	5.73
Parking Surface	Illuminance	Fc	2.33	6.6	1.0	2.33	6.60

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DESIGN PROFESSIONAL:

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DRAWN BY	SKP
CHECKED BY	WMR
DATE:	7/19/2021

PHOTOMETRIC LIGHTING PLAN

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ANCLOTE HARBOR
TARPON SPRINGS FLORIDA

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TRC SUBMITTAL 07/22/2021

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LIGHTING FIXTURE PRODUCT

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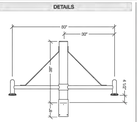
rev. 02.24.2014
AA-44 STRUT
Arms

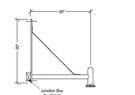
Type / Project Name / Notes

Sample AA-44 S 4 B P BBT
Ordering / / / / / /
A B C D E F

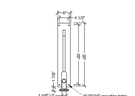
DETAILS



WALL BRACKET DETAILS



WALL PLATE DETAILS



A. MODEL
AA-44 Strut

B. POST SHAFT PROFILE
W wall mount
S smooth
F fluted

C. POST SHAFT DIAMETER
4 4"
5 5"
6 6"
OTHER ———

D. ARRANGEMENT
—— see arrangement table below
P pendant

E. LUMINAIRE MOUNTING
P pendant

F. COLOR
BBT basic black textured
BMT black matte textured
WHT white textured
MBT metallic bronze textured
BZT bronze textured
DBT dark bronze textured
GYS gray smooth
DPS dark platinum smooth
GNT green textured
MST metallic silver textured
MTT metallic titanium textured
CWI old world iron
RAL ———

Construction: All cast aluminum parts shall be low copper alloy A356. All extruded aluminum parts shall be alloy 6061-T6, 6063-T5 or equal.

EPA (effective projected area): EPA is de-rived as (projected surface area X drag factor) and measured in ft2. Allowable post, luminaire arm, luminaire and accessory EPAs are derived from the most current published AASHTO (American Association of States Highway and Transportation Officials) standard, currently AASHTO 2001 (6Gr design-lite). Customer assumes all responsibility for selecting the ap-propriate post for installation (consult factory for assistance). Luminaire arm, luminaire and accessory EPA must be equal to or less than allowable EPA of post. Consult a professional engineer for compliance with local codes and standards.

Fasteners: All fasteners shall be Corrosion Resistant. When tamper resistant fasteners are required, spanner HD (brake eye) style shall be provided (special tool required, available at additional cost).

Finish: Finish shall be a Beacons V polyester powder-coat electro-statically applied and thermocured. Beacons V finish shall consist of a five stage iron phosphate chemical pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder-coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Limited Warranty: Beacon Products warrants its products, to the original purchaser, against defects in materials and workmanship for proper usage for a period of 5 years after date of production, when properly installed, maintained and appropriately specified. See Warranty information on www.beaconproducts.com for complete details and exclusions.

arrangement (EPA Index ft²) weight (lbs)

shaft Ø		A	B	C	D	E	F	G	H	I	J
wall	weight	12									
4"	EPA	-	2.34	3.09	3.78	3.73	3.73	3.73	3.73	4.02	4.22
	weight	-	61	91	91	91	91	91	91	97	97
5"	EPA	-	2.67	3.81	3.81	3.26	4.08	4.08	4.08	4.00	4.55
	weight	-	79	97	97	97	97	97	97	104	104
6"	EPA	-	3.82	3.76	3.76	3.21	4.23	4.23	4.23	4.15	4.70
	weight	-	91	99	99	99	99	99	99	99	99

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

LIGHTING FIXTURE MOUNTING ARM

RSA-B-DBE-S SERIES POLES
ROUND STRAIGHT ALUMINUM

Cat.#
Job
Type
Approvals

BEACON — design. performance. technology

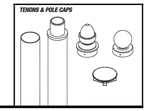
*Local civil engineer should be consulted for proper foundation design

APPLICATIONS
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION
- SHAFT: One-piece straight aluminum with round cross section, 6061-T6
- BASE COVER: Two-piece cast aluminum base covers available
- POLE CAP: Cap or decorative finish available for side mounted luminaires. Open top or tenons provided for post top mounted luminaires.
- HAND HOLE: Opening provided with cast aluminum frame reinforcement.

FINISH
- Durable thermoset polyester powder coat paint finish with nominal 3.5 mil thickness
- Decorative finish coat available in twelve standard colors; Custom colors available; RAL number preferable

TENONS & POLE CAPS



ORDERING EXAMPLE:
RSA-B-DBE-S – 16 – 40 – A/B/C – CAP – 2L – 83 – BBT – VM2

SERIES	HEIGHT	SHAFT	THICKNESS	MOUNTING
RSA-B-DBE-S Round Straight Aluminum Direct Burial Style Beacon Smooth	Reference page 2 Ordering matrix 25'	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	S Single arm mount 2 Two fixtures at 180° 2U Two fixtures at 90° 3T Three fixtures at 90° 2T Four fixtures at 90° 4T Four fixtures at 120° ST Open top (no drilling) BAL* Ball Finial ARO* Acorn Finial CAP* Cap Top TN2* Tenon 3 x 3 TN4* Tenon 3 x 4 TN5* Tenon 4 x 5 TN6* Tenon 4 x 6

FINISH	OPTIONS
BLT Black Matte Textured	DF1** 20 Amp SF3 Receptacle and Cover
BLS Black Gloss Smooth	EHK** Extra headhole
DBT Dark Bronze Matte Textured	CW1* 2" Coupling
DBS Dark Bronze Gloss Smooth	CW2* 3" Coupling
GTT Graphite Matte Textured	VM2 2nd mode vibration damper
LGS Light Grey Gloss Smooth	
PSS Platinum Silver Smooth	
WHT White Matte Textured	
WHS White Gloss Smooth	
VGT Verde Green Textured	
Color Option	
CC Custom Color	

DRILL PATTERN
B1 Drum, "RB" arm
B3 3 bolt (9-¾" spacing), Viper "A" arm
B2 2 bolt (9-¾" spacing), Viper "AD" arm

ORDERING EXAMPLE:

Catalog Number	Description
VM2SW	2nd mode vibration damper

ACCESSORIES: Order Separately

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Hubbell Lighting HUBBELL

LIGHT POLE

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rev. 02.20.2014
FLAGLER B
Poles & Bases

Type / Project Name / Notes

Sample FLBC 5 BBT
Ordering / / /
A B C

DETAILS



A. MODEL
FLBC Flagler B

B. POST SHAFT DIAMETER
3 3"
4 4"
5 5"

C. COLOR
BBT basic black textured
BMT black matte textured
WHT white textured
MBT metallic bronze textured
BZT bronze textured
DBT dark bronze textured
GYS gray smooth
DPS dark platinum smooth
GNT green textured
MST metallic silver textured
MTT metallic titanium textured
CWI old world iron
RAL ———

Construction: All cast aluminum parts shall be low copper alloy A356. All extruded aluminum parts shall be alloy 6061-T6, 6063-T5 or equal. Standard fluted shaft profile shall be 15-flute for 3"OD and 12-flat tube for 4", 5", & 6"OD.

Base Covers require specification of smooth or fluted shafts of the size required to meet wind load requirements

Vibration Dampener: Vibration dampener pads shall be provided when required by customer or deemed necessary by Beacon Products. Please consult factory for bridge mounted applications.

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Anchor Bolt: Anchor bolts, sized as required, double hex nuts and flat washers shall be hot dipped galvanized. A 3" dia. bolt circle template shall be provided for installation.

Fasteners: All fasteners shall be Corrosion Resistant. When tamper resistant fasteners are required, spanner HD (brake eye) style shall be provided (special tool required, available at additional cost).

Finish: Finish shall be a Beacons V polyester powder-coat electrostatically applied and thermocured. Beacons V finish shall consist of a five stage iron phosphate chemical pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder-coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

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LIGHT POLE DECORATIVE BASE