



## GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH FOOT DESIGN STANDARDS (LATEST EDITION) AND THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION).
2. IF CONTRACTOR OR THEIR SUBCONTRACTORS DO NOT COMPLY WITH THE REQUIREMENTS OF THESE GENERAL NOTES, SPECIFICATIONS OR AGREEMENT BETWEEN OWNER AND CONTRACTOR, OWNER MAY, BUT IS NOT REQUIRED TO, GIVE WRITTEN NOTICE OF NONCOMPLIANCE, OR WITHIN THE TIME OF ABATEMENT PERIOD SPECIFIED BY ANY GOVERNMENTAL AGENCY, WHEREVER PERIOD IS SHORTER, CONTRACTOR SHALL BE IN MATERIAL DEFAULT OF THIS CONTRACT.
3. THE PROJECT DESIGN HAS BEEN BASED UPON FIELD SURVEYS AND SITE VISITS BY DRMP.
4. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE, INCLUDING ALL SURFACE AND SUBSURFACE CONDITIONS, LIMITS OF CONSTRUCTION, WORK REQUIRED AND ALL OTHER CONDITIONS THAT MAY EFFECT THE SUCCESSFUL COMPLETION OF THE PROJECT, PRIOR TO THE COMMENCEMENT OF WORK. IF CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS OR SPECIFICATIONS, HE SHALL IMMEDIATELY NOTIFY OWNER OR OWNERS AGENT.
5. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS NOT PROVIDED, GIVE ALL NOTICES REQUIRED BY, AND COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS, AND PERMIT CONDITIONS BEARING ON THE EXECUTION OF PROJECT, AS DRAWN AND SPECIFIED. IF CONTRACTOR OBSERVES THAT THE DRAWINGS OR SPECIFICATION ARE IN VARIANCE WITH ANY APPLICABLE LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS OR PERMIT CONDITIONS, HE SHALL TAKE ANY ACTIONS NECESSARY TO MITIGATE ANY POTENTIAL DAMAGE, AND PROMPTLY NOTIFY ENGINEER IN WRITING OF SUCH VARIANCE. ANY NECESSARY CHANGES TO THE DRAWING AND SPECIFICATIONS SHALL BE MADE IN ACCORDANCE WITH THE PROVISIONS OF THE AGREEMENT BETWEEN OWNER AND CONTRACTOR.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, AND ALL SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY WORK UNDER THIS CONTRACT BETWEEN OWNER AND CONTRACTOR, FOR THIS PROJECT.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH ALL GOVERNMENTAL AGENCIES, DEPARTMENT OR BODIES, PUBLIC AND PRIVATE UTILITIES, CARRIERS OR SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ANY ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE OR TELEGRAPH FACILITIES, SUCH AS PAVEMENT, TRACKS, PIPING, WIRES, CABLES, CONDUTS, POLES, GUY'S OR OTHER SIMILAR FACILITIES, INCLUDING INDICATED STRUTS AND CONNECTIONS TO SUCH SERVICES, THAT ARE ENCOUNTERED DURING THE PROJECT. IN ORDER TO MAINTAIN THE PROJECT ON SCHEDULE, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, SUPPORT OR RELOCATE AS NEEDED.
8. UNLESS OTHERWISE SPECIFIED IN THESE GENERAL CONDITIONS, SPECIFICATIONS OR IN THE AGREEMENT BETWEEN OWNER AND CONTRACTOR, ALL CONSTRUCTION IS TO BE GOVERNED BY THE PLANS, SPECIFICATION AND APPLICABLE PERMITS, ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS, PERMIT CONDITIONS AND BUILDING AND SAFETY CODES BEARING ON THE EXECUTION OF THE PROJECT.
9. PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC OR PUBLIC UTILITY RIGHT-OF-WAY OR EASEMENT, CONTRACTOR SHALL OBTAIN AUTHORIZATION AND PERMITS FROM THE APPLICABLE JURISDICTION RESPONSIBLE FOR SUCH RIGHT-OF-WAY OR EASEMENT. ADDITIONALLY, CONTRACTOR SHALL HAVE TO OBTAIN STATE ONE CALL AT 1 (800) 432-4770 AT LEAST 72 HOURS PRIOR TO DIGGING OR OTHERWISE DISTURBING UTILITIES.
10. CONTRACTOR SHALL PRESERVE AND PROTECT ALL PERMANENT REFERENCE MONUMENTS, CONTROL POINTS, BENCHMARKS AND PROPERTY CORNERS. IN THE EVENT ANY REFERENCE MONUMENTS, CONTROL POINTS, BENCHMARKS OR PROPERTY CORNERS ARE DISTURBED, CONTRACTOR SHALL EMPLOY A FLORIDA REGISTERED LAND SURVEYOR TO RESET OR REPLACE SUCH.
11. THE OWNER, OWNER'S AGENT AND INSPECTORS OF APPLICABLE GOVERNMENT JURISDICTIONS AND AGENCIES SHALL HAVE ACCESS TO THE PROJECT AT ALL TIMES. CONTRACTOR SHALL PROVIDE REASONABLE AND PROPER FACILITIES FOR SUCH ACCESS AND INSPECTION OF THE WORK.
12. CONTRACTOR SHALL COMPLY IN EVERY ASPECT WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AS AMENDED AND ALL RULES, STATUTES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY OTHER APPLICABLE FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS OR PERMIT CONDITIONS PERTAINING TO JOB SAFETY AND HEALTH, INCLUDING, BUT NOT LIMITED TO CFR 1910 AND 1926.
13. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE BUILDING AND SAFETY CODES, FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS OR PERMIT CONDITIONS, INCLUDING BUT NOT LIMITED TO, LAWFUL ORDERS OR COURT DECISIONS AND PUBLIC LAWS, AND SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS OR PROPERTY OR FOR THE PROTECTION AGAINST INJURY, DAMAGE, OR LOSS TO PERSONNEL, EQUIPMENT OR MATERIALS, OR DESIGNED TO PROTECT THE ENVIRONMENT. CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE AND REQUIRED SAFEGUARDS FOR THE SAFETY AND PROTECTION OF ALL PERSONNEL, EQUIPMENT OR MATERIALS, INCLUDING BUT NOT LIMITED TO, POSTING OF DANGER SIGNS AND OTHER WARNING AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES OF THE EXISTENCE OF HAZARDS AND SAFETY REGULATIONS.
14. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL REASONABLE AND PRUDENT PRECAUTIONS FOR THE SAFE AND SECURE PROTECTION OF COMPLETE WORK, MATERIALS AND EQUIPMENT STORED ONSITE AND OFFSITE, AND ANY UNAUTHORIZED ACCESS TO SUCH.
15. CONTRACTOR SHALL, AT ALL TIMES, UTILIZE ALL NORMALLY ACCEPTED AND REASONABLY EXPECTED SAFETY PRACTICES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS OR PERMIT CONDITIONS, AND GUIDELINES AND RECOMMENDATIONS PERTAINING TO THE SAFE UTILIZATION OF ALL EQUIPMENT AND MATERIALS, AS PUBLISHED BY MANUFACTURER OR SUPPLIER.
16. PRIOR TO INITIATING ANY EXCAVATION (INCLUDING, BUT NOT LIMITED TO, TUNNELS, DITCHES, SWALES, STORMWATER POND, CANALS, OR ARTIFICIAL LAKES), CONTRACTOR SHALL REVIEW AND MAKE ARRANGEMENTS TO COMPLY IN EVERY RESPECT WITH THE FLORIDA DRAINAGE AND WATER CONTROL ACT OF 1972, AND ALL APPLICABLE FEDERAL, STATE, REGULATIONS OR PERMIT CONDITIONS, INCLUDING BUT NOT LIMITED TO CFR 1926 SUBPART P, OSHA DIRECTIVES CPL 2, 89 AND 2,87 AND STATE OF FLORIDA DRP REQUIREMENTS) PERTAINING TO SAFE TRENCHING AND EXCAVATION. CONTRACTOR SHALL INSTALL ALL NECESSARY FENCES AND BARRIERS, AND TAKE ALL OTHER REASONABLE AND PRUDENT STEPS TO ENSURE THAT ACCESS TO EXCAVATIONS BY UNAUTHORIZED INDIVIDUALS IS PREVENTED.
17. CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE ALL REASONABLE AND REQUIRED PROTECTION TO PREVENT INJURY, DAMAGE OR LOSS TO:
  - A. ALL INDIVIDUALS INCLUDING CONTRACTOR'S EMPLOYEES, AND ALL SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, INSPECTORS AND ANY OTHER PERSONS PERFORMING ANY WORK UNDER A CONTRACT WITH THE CONTRACTOR;
  - B. ALL THE WORK, MATERIALS AND EQUIPMENT TO BE INCORPORATED INTO THE FINAL PRODUCT, WHETHER IN STORAGE ONSITE OR OFFSITE, UNDER THE CARE, CUSTODY OR CONTROL OF THE CONTRACTOR OR ANY OF THE SUBCONTRACTORS; AND
  - C. OTHER PROPERTY AT THE SITE OR ADJACENT TO THE SITE, INCLUDING BUT NOT LIMITED TO TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAYS, STRUCTURES AND UTILITIES NOT DESIGNATED FOR REMOVAL OR DEMOLITION DURING THE COURSE OF THE PROJECT;
  - D. DAMAGE OR LOSS TO ANY OTHER PROPERTY, UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER, CAUSED IN WHOLE OR IN PART BY THE CONTRACTOR, CONTRACTOR'S EMPLOYEES, ANY SUBCONTRACTORS OR THEIR AGENTS, EMPLOYEES OR OTHER PERSONS PERFORMING WORK UNDER A CONTRACT WITH THE CONTRACTOR FOR WHOSE ACTS ANY OTHER PARTY MAY BE LIABLE, SHALL BE REMEDIED BY THE CONTRACTOR, EXCEPT FOR DAMAGE OR PROPERTY LOSS ATTRIBUTED

TO THE ACTS OR OMISSIONS OF THE OWNER OR THE ENGINEER, OR ANY SUBCONTRACTORS OR THEIR AGENTS, EMPLOYEES OR OTHER PERSONS PERFORMING WORK FOR THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, SHALL AND NOT PROPERLY ATTRIBUTABLE IN WHOLE OR IN PART TO THE FAULT OR NEGLIGENCE OF THE CONTRACTOR.

INJURY, DAMAGE OR LOSS TO PERSONNEL, EQUIPMENT, MATERIALS OR LOSSES OF ANY KIND FROM ANY PORTION OF THE WORK, AS DESCRIBED IN PARAGRAPH 18, CAUSED BY A FAILURE OR IN PART, THROUGH FAULT OR NEGLIGENCE BY CONTRACTOR, SUBCONTRACTORS, SUPPLIERS OR BY ANYONE FOR WHOME ANY OF THEM MAY BE LIABLE, SHALL BE REMOVED BY THE CONTRACTOR, CORRECT FOR INJURY, DAMAGE OR LOSS PROVIDED THAT ALL SUCH ACTS ARE ATTRIBUTED SOLELY TO THE ACTS, ERRORS OR OMISSIONS OF THE OWNER, ENGINEER OR ANYONE EMPLOYED BY THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE AND NOT PROPERLY ATTRIBUTABLE IN WHOLE OR IN PART TO THE FAULT OR NEGLIGENCE OF THE CONTRACTOR.

TIL THE FINAL ACCEPTANCE OF THE PROJECT BY OWNER, CONTRACTOR SHALL HAVE THE COMPLETE CHARGE AND CARE FOR THE SITES, INCLUDING THE MATERIALS AND SERVICES FOR ANY PURPOSES, INCLUDING FOR ANY PORTION OF THE WORK, MATERIALS STORED ON-SITE OFF-SITE, DURING THE ACTION OF THE ELEMENTS, OR FROM ANY OTHER CAUSE WHETHER BEFORE OR AFTER THE EXECUTION OR NON-EXECUTION OF THE WORK. CONTRACTOR SHALL BEAR ALL EXPENSES FOR ANY PAIRS, REBUILDING OR RESTORATION, AND MAKE GOOD ALL INJURIES, DAMAGES OR LOSSES TO ANY PORTION OF THE WORK BEFORE FINAL ACCEPTANCE OF THE PROJECT BY OWNER.

CONTRACTOR SHALL NOT LOAD, CAUSE OR PERMIT ANY PART OF THE WORK TO BE LOADED SO AS TO ENDANGER SAFETY. THOSE PARTS OF THE WORK IN PLACE, WHICH ARE SUBJECT TO DAMAGE, BECAUSE OF ACTIVITIES OR OPERATIONS BEING CONDUCTED OUTSIDE THEREOF, SHALL BE COVERED, BOARDED UP OR SUBSTANTIALLY ENCLOSED WITH ADEQUATE PROTECTION BY CONTRACTOR AT HIS EXPENSE.

NECESSARY OPENINGS USED AS THROUGHHOLES FOR THE INTRODUCTION OF WORK, PERSONNEL, EQUIPMENT AND/OR MATERIALS TO STRUCTURES SHALL HAVE HANDS, JAMBS AND SILLS WELL BLOCKED AND BOARDED BY THE CONTRACTOR.

OWNER RETAINS THE AUTHORITY, BUT ASSUMES NO DUTY TO ESTABLISH STANDARDS OF PROTECTION, AND TO REVIEW THE EFFICIENCY OF PROTECTIVE MEASURES TAKEN BY CONTRACTOR.

EQUATE TRAFFIC CONTROL, BARRICADES AND FLAGMEN SERVICES SHALL BE FURNISHED AND MAINTAINED BY CONTRACTOR AT ALL TIMES WHILE ANY HEAVY MOVING EQUIPMENT ENGAGED ON THE WORK REGULARLY ENTER ONTO, EXITS OR CROSSES TRAFFIC CARRIAGE ROAD.

CONTRACTOR SHALL PROTECT AND KEEP OWNER (INCLUDING THEIR AGENTS AND EMPLOYEES) FREE AND HARMLESS FROM ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSE OF ACTION, CLAIMS OR OTHER JUDGMENTS RESULTING FROM VIOLATIONS UNDER, OR HA OR ANY RULES, STATUTES OR REGULATIONS PROMULGATED THERE UNDER, OR ANY FEDERAL, STATE OR LOCAL LAWS OR REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF THE WORK OR WORK TO BE PERFORMED ON THIS PROJECT. CONTRACTOR SHALL INDEMNIFY OWNER INCLUDING THEIR AGENTS AND EMPLOYEES FROM ANY AND ALL SUCH CLAIMS, PENALTIES, SUITS OR ACTIONS, PUBLIC OR PRIVATE, ADMINISTRATIVE OR JUDICIAL, INCLUDING BUT NOT LIMITED TO ATTORNEY'S FEES PAID OR INCURRED BY, OR ON BEHALF OF OWNER, JOINTLY OR SEVERALLY, AND/OR THEIR AGENT AND EMPLOYEES. CONTRACTOR FURTHER AGREES IN THE EVENT OF A CLAIMED VIOLATION OF ANY FEDERAL, STATE OR LOCAL SAFETY AND HEALTH LAW OR REGULATION ARISING OUT OF, OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF THE WORK, OR WORK TO BE PERFORMED ON THIS PROJECT, OWNER MAY IMMEDIATELY TAKE ALL ACTIONS DEEMED NECESSARY TO REMEDY THE CLAIMED VIOLATIONS. ANY AND ALL SUCH COSTS OR EXPENSES PAID OR INCURRED BY OWNER IN TAKING SUCH ACTION SHALL BE BORNE SOLELY BY CONTRACTOR.

CONTRACTOR AGREES TO PROTECT, HOLD HARMLESS AND INDEMNIFY OWNER AGAINST ANY AND ALL SUCH COSTS OR EXPENSES.

WORK PERFORMED UNDER THIS CONTRACT, AND ALL EQUIPMENT, APPLIANCES, TOOLS AND LIKE ITEMS USED IN THE PERFORMANCE OF THE WORK SHALL CONFORM TO ALL APPLICABLE BUILDING AND SAFETY CODES, AND REGULATIONS OF ANY PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION. IN THE EVENT OF CONFLICTING REQUIREMENTS, THE MORE STRINGENT INTERPRETATION OR REGULATION SHALL APPLY.

HAZARDOUS OR OTHER SUBSTANCE WHICH:

THE PRESENCE OF REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS OR PERMIT CONDITIONS; OR

IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE," "HAZARDOUS SUBSTANCE," POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS OR PERMIT CONDITIONS OR AMENDMENTS, INCLUDING BUT NOT LIMITED TO, THE 1980 COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) AND/OR THE 1976 RESOURCE CONSERVATION AND RECOVERY ACT (RCRA); OR

A TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE(S) IN WHICH THE PROJECT IS LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR

THE PRESENCE OF ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR OFF THE PREMISES, OR

THE PRESENCE OF ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSSES OR THREATENS TO POSE A HAZARD TO THE ENVIRONMENT, OR

CONTAINS GASOLINE, DIESEL FUEL OR OTHER PETROLEUM HYDROCARBONS, OR

CONTAIN POLYCHLORINATED BIPHENYLS (PCBS), ASBESTOS, MERCURY, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.

CONTRACTOR AND ITS SUBCONTRACTORS SHALL PROPERLY USE, HANDLE, TRANSPORT AND DISPOSE OF ALL HAZARDOUS MATERIALS IN COMPLIANCE WITH ALL CURRENTLY APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, STATUTES, REGULATIONS OR PERMIT CONDITIONS, INCLUDING BUT NOT LIMITED TO, LAWFULLY ISSUED BY ANY QUASI PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR FOR THE PROTECTION AGAINST INJURY, DAMAGE, OR LOSS TO PERSONNEL, EQUIPMENT OR MATERIALS, DESIGNED TO PROTECT THE ENVIRONMENT.


CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE IMPROPER STORAGE, RELEASE OR DISPOSAL OF ANY HAZARDOUS MATERIALS OR SUBSTANCES CREATED BY ITS WORK ON OR OFF THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND NOTIFY OWNER IN WRITING.

CONTRACTOR AND ITS SUBCONTRACTORS SHALL, UPON COMPLETION OF PERFORMANCE OF ALL DUTIES UNDER THIS PROJECT, REMOVE ALL SUPPLIES, MATERIALS AND WASTE CONTAINING HAZARDOUS MATERIALS FROM THE JOB SITE.

CONTRACTOR SHALL BEAR ALL FINANCIAL RESPONSIBILITY, BETWEEN THE PARTIES OF THE CONTRACT, FOR COMPLIANCE WITH THE PROVISIONS OF THESE GENERAL NOTES, SPECIFICATIONS OR AGREEMENT BETWEEN OWNER AND CONTRACTOR.

CONTRACTOR AGREES TO INDEMNIFY, DEFEND, PROTECT AND HOLD HARMLESS OWNER FROM AND AGAINST ANY CLAIMS OR ACTIONS WITHOUT LIMITATION, ACTUAL ATTORNEY'S FEES AND ANY COST OF INVESTIGATION, SOIL TESTING, GOVERNMENTAL APPROVALS, REMEDIATION AND CLEANUP ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE FAILURE OF CONTRACTOR OR ITS SUBCONTRACTORS, OR THEIR AGENTS, EMPLOYEES, OFFICERS OR REPRESENTATIVES, TO COMPLY WITH THE TERMS OF THESE GENERAL NOTES.

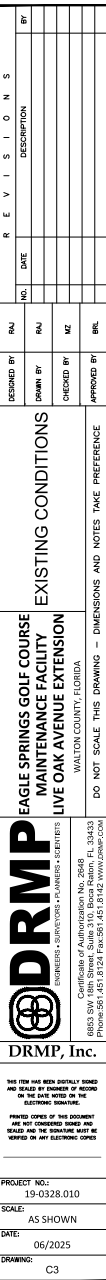
30. SHOULD THE CONTRACTOR OR ITS SUBCONTRACTORS DISCHARGE, RELEASE OR DISPOSE OF ANY HAZARDOUS MATERIALS ON OR ABOUT THE JOB SITE IN VIOLATION OF THESE GENERAL NOTES, SPECIFICATIONS OR AGREEMENT BETWEEN OWNER AND CONTRACTOR OR IN THE EVENT OF ANY SPILL, RELEASE OR ANY REPORTABLE OCCURRENCES, CONTRACTORS SHALL IMMEDIATELY TAKE SUCH ACTIONS AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECTS OF SUCH ACTS AND AS TO THE PROPERTY OR THE ENVIRONMENT, NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND INFORM THE OWNER IN WRITING.
32. IN THE EVENT CONTRACTOR OR ANY OF ITS SUBCONTRACTORS ENCOUNTER ON THE PREMISES ANY PIPELINE, UNDERGROUND STORAGE TANK OR OTHER CONTAINER OF ANY KIND, THAT MAY CONTAIN A HAZARDOUS MATERIAL, OR ENCOUNTER ANY MATERIAL REASONABLY BELIEVED TO BE A HAZARDOUS MATERIAL, CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO THE OWNER IN WRITING.
33. MENTION OF A MANUFACTURER'S PROPRIETARY PRODUCT ON THESE PLANS IS TO ESTABLISH TYPE AND QUALITY ONLY. OTHER MANUFACTURER'S PRODUCTS OF SIMILAR QUALITY TYPE AND QUANTITY WILL ALSO BE CONSIDERED.
34. CONTRACTOR SHALL BE CERTIFIED BY A FLORIDA LICENSED SURVEYOR.
35. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND ACCEPTING THE EXISTING CONDITIONS OF THE SITE PRIOR TO BIDDING.
36. EXISTING UNDERGROUND UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL ENSURE THAT THE UTILITY SYSTEMS DO NOT CONFLICT WITH THE PROPOSED PROJECT. CONFLICTS SHALL BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
37. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES IN CONFLICT WITH THE WORK, CONSTRUCTION OF TEMPORARY UTILITIES IN THE EVENT THAT EXISTING UTILITY CANNOT BE INTERFERED WITH, AND ANY OTHER CONSTRUCTION RELATED ACTIVITIES THAT MAY AFFECT EXISTING OR PROPOSED UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS, INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR WILL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE.
38. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL GRADE STAKES, LINES, AND LEVELS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DISTURBED AREAS AND SHALL REPAIR, RESTORE OR REPLACE.
39. NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING. THE COSTS FOR DEWATERING ARE INCLUDED IN THE UNIT PRICES FOR CONSTRUCTING THIS PROJECT.
41. ALL AREAS, STREETS, DRIVEWAYS, PARKING LOTS, ETC. DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL OR BETTER CONDITION.
42. THE CONTRACTOR WILL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION, AND WILL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS OBTAINED BY THE OWNER AND THOSE PERMITS OBTAINED BY THE CONTRACTOR.
43. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT TO THE OWNER'S PROJECT MANAGER A SCHEDULE OF VALUES, A CONSTRUCTION SCHEDULE, AND A SAFETY PLAN.
44. THE CONSTRUCTION SCHEDULE WILL DESCRIBE IN DETAIL HOW THE CONSTRUCTION IS TO BE PHASED, ESTABLISH START AND FINISH DATES FOR ALL SIGNIFICANT CONSTRUCTION ACTIVITIES, AND IDENTIFY ALL CONTROLLING ITEMS OF WORK. THE SCHEDULE IS TO BE APPROVED BY THE OWNER'S PROJECT MANAGER, AND WILL BE UPDATED ON A MONTHLY BASIS TO REFLECT ACTUAL WORK PROGRESS. PAYMENT FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION OR OTHER PAY ITEMS AS APPROPRIATE.
45. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN FOR APPROVAL BY THE OWNER'S PROJECT MANAGER AND WILL ENSURE THAT THE EROSION CONTROL MEASURES ARE USED DURING EACH PHASE OF CONSTRUCTION AND THAT ALL EROSION CONTROL DEVICES TO BE USED DURING EACH PHASE OF CONSTRUCTION, INCLUDING TREE REMOVAL, CLEARING AND GRUBBING, EXCAVATION, HAULING OF EXCAVATED MATERIALS, AND PLACEMENT OF EMBANKMENT AND BACKFILL. THE PLAN ALSO WILL DETAIL THE EROSION CONTROL MEASURES TO BE EMPLOYED AT ALL STOCKPILE AND CONSTRUCTION STAGING AREAS AND WILL DEFINE THE MAXIMUM LIMITS OF ALL ACTIVE CONSTRUCTION ZONES.
46. PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR WILL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND WILL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. THE CONTRACTOR WILL NOTIFY THE ELECTRIC UTILITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
47. NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
48. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF VEGETATION ON AND ADJACENT TO THE PROJECT SITE, AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED EXCEPT THOSE TREES IDENTIFIED ON THE PLANS TO BE REMOVED. ALL TREES OUTSIDE THE CONSTRUCTION WORK ZONE ARE TO BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE. TREE BARRICADES WILL BE INSTALLED AND MAINTAINED AROUND ALL TREES TO BE PROTECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE PROJECT MANAGER.
49. THE CONTRACTOR SHALL POST FALLING AND MAINTAINANCE ROADSIDE WARNING SIGNS WHEN WORK IS BEING CONDUCTED IN THE PROPERTY RIGHT OF WAY OR WHEN MACHINERY IS ENTERING AND LEAVING THE PROJECT SITE.
50. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF EXCAVATED MATERIAL, OFF-SITE UNLESS OTHERWISE DIRECTED BY OWNER.

 <b>DRMP</b> DRUMMERS • DRUMMERS • DRUMMERS • DRUMMERS		<b>EAGLE SPRINGS GOLF COURSE</b> <b>MAINTENANCE FACILITY</b> <b>LIVE OAK AVENUE EXTENSION</b> WALTON COUNTY, FLORIDA		<b>GENERAL NOTES</b>	
THIS ITEM HAS BEEN DIGITALLY SCANNED AND CHECKED BY ENGINEER OF RECORD FOR THE EXISTING NOTES ON THE ELECTRICAL DRAWING.		DO NOT SCALE. THIS DRAWING – DIMENSIONS AND NOTES TAKE PRECEDENCE		REVISIONS	
BENJAMIN R. LENNON, P.E. State of Florida 78674 PROJECT NO: 19-0328.010		AS SHOWN		DESIGNED BY DRAWN BY CHECKED BY APPROVED BY	
DATE: 05/05/2025		C2		NO. DATE BY	

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- CONCRETE SURFACE      ASPHALT SURFACE

DRMP SURVEYOR'S NOTES:

- 1) This Topographic Survey was performed to facilitate the design and engineering of improvements to the project site. THIS IS NOT A BOUNDARY SURVEY AND SHOULD NOT BE RELIED UPON AS SUCH.
- 2) Coordinates shown are referenced to the North American Datum of 1983/Adjustment of 2011 (NAD83/11). Based upon a GPS measurement from FPNR station Ponze De Leon(FPNR). Coordinates are projected in the Florida State Plane Coordinate System, North Zone, 0903, and displayed in U.S. Survey Feet.
- 3) Bearings shown hereon are referenced to the grid bearing calculated between established site control points CP1 and CP2, being South 61°23'04" East
- 4) Elevations shown hereon are referenced to the North American Vertical Datum of 1988(NAVD88), and are displayed in U.S. Survey Feet, based on the following published benchmark:  
60-08-C012 - Published Elevation: 264.42'
- 5) Date of last field survey: JANUARY 18, 2022.
- 6) No underground installations or improvements, including, but not limited to, buried cables, sub-surface utilities, foundations/footers, or burial sites were located except as shown.



**DRMP**  
ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS

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**DRMP, Inc.**

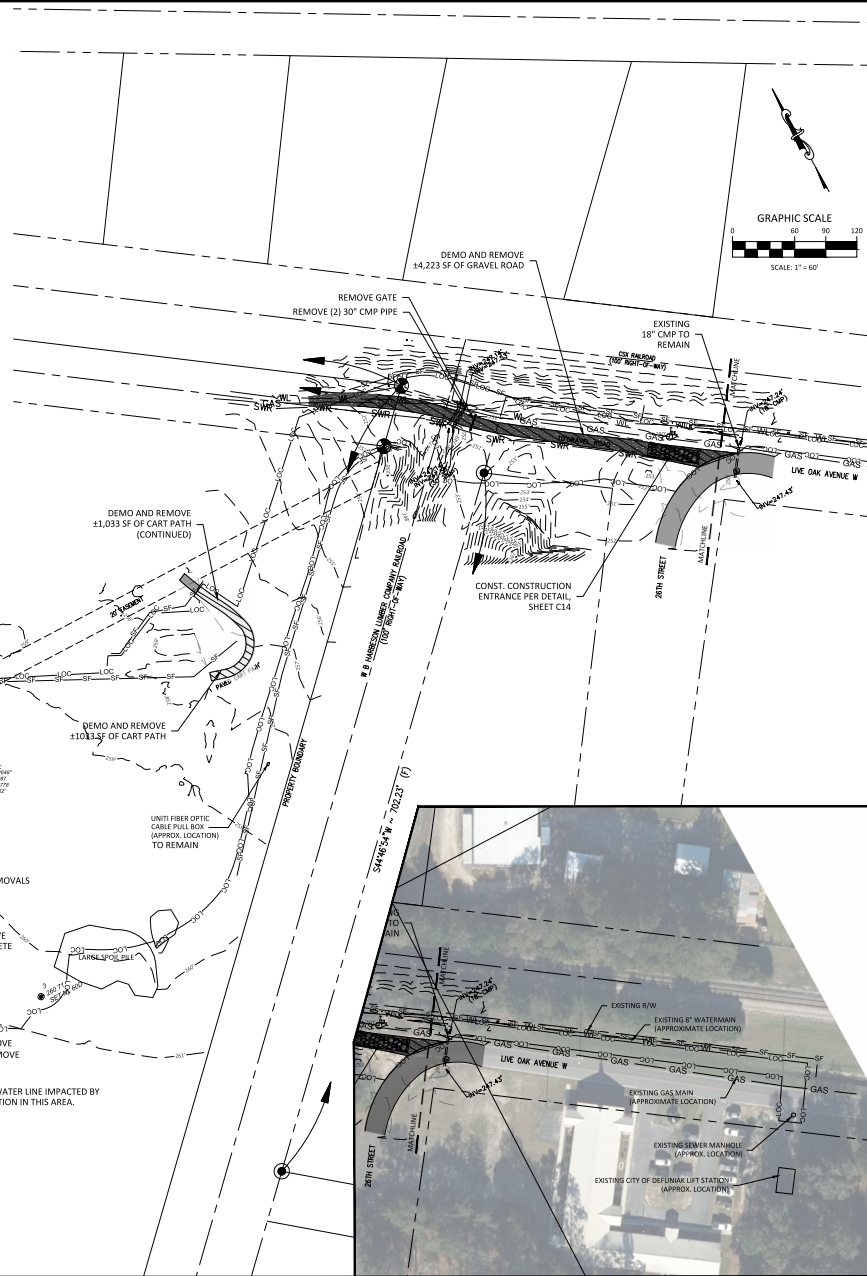
THIS ITEM HAS BEEN DIGITALLY SIGNED  
AND SEALED BY ENGINEER OF RECORD  
ON THE DATE NOTED ON THE  
ELECTRONIC SIGNATURE.


PRINTED COPIES OF THIS DOCUMENT  
ARE NOT CONSIDERED SIGNED AND  
SEALED AND THE SIGNATURE MUST BE  
VERIFIED ON ANY ELECTRONIC COPY

PROJECT NO.:	19-0328.010
SCALE:	AS SHOWN
DATE:	06/2025
DRAWING:	G2

- CONTRACTOR IS REQUIRED TO OBTAIN NPDES PERMIT OR EXEMPTION CERTIFICATION FOR THE CONSTRUCTION.
2. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION CONTROL PLAN, THE STANDARD DETAILS, AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS PROVIDED BY THE CONTRACTOR.
3. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN FROM THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
4. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
5. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER, OR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL, OR AS REQUIRED BY THE GENERAL PERMIT.
6. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
8. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
9. ALL STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF ANY PROPOSED IMPROVEMENT WORK.
10. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED. THESE AREAS SHALL BE STABILIZED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED.
11. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN ANY EXISTING STORM PIPES OR STORM STRUCTURES THAT REMAIN.

19. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
20. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.
21. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE FINAL POLLUTION PREVENTION PLAN. THE PLAN SHALL BE SUBMITTED TO THE OWNER AND ENGINEER WHICH DEMONSTRATES THE MECHANISMS AND PRACTICES THAT WILL BE EMPLOYED TO PROTECT THE CONSTRUCTION SITE AND SURROUNDING AREA DURING CONSTRUCTION. THE PLAN SHALL BE CONSISTENT WITH FEDERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS PERTAINING TO POLLUTION PREVENTION PLANS. THE PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, THE LOCATIONS OF SILT BARRIERS, TURBIDITY SCREENS OR TEMPORARY SHEETING, EMERGENCY RESPONSE PRACTICES, AND OTHER METHODS TO PREVENT POLLUTION. REFUELING OR STORAGE OF VEHICLES OR EQUIPMENT THAT UTILIZE PETROLEUM BASED PRODUCTS SHALL BE PROHIBITED ANYWHERE WITHIN 50 FEET OF A WATER'S EDGE. THE PLAN SHALL BE SUBMITTED TO THE OWNER AFTER NOTICE OF AWARD AND PRIOR TO NOTICE TO PROCEED. AFTER REVIEW BY OWNER THE PLAN SHALL BE FILED WITH ALL APPLICABLE REGULATORY AGENCIES BY THE CONTRACTOR. REFER TO FURTHER NOTES AND DETAILS WITHIN THESE DOCUMENTS.
22. SILT CONTROL IS REQUIRED WITHIN THE PROJECT LIMITS AT THE LIMITS OF CONSTRUCTION AND ANYWHERE ADDITIONAL AT THE CONTRACTOR'S DISCRETION. LIMITS OF CONSTRUCTION SHOWN ARE DIAGRAMMATIC. CONTRACTOR TO PROVIDE PLAN FOR SHOP DRAWING REVIEW.
23. CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DOCUMENTATION FOR NPDES MONITORING IN ACCORDANCE WITH FDEP REQUIREMENTS.
24. ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND
25. WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED.
26. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
27. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED DAILY AND REPAIRS MADE AS NECESSARY TO ENSURE THE PROPER AND CONTINUED FUNCTION OF THE CONTROL(S).
28. ALL EROSION AND SEDIMENTATION CONTROL SHALL REMAIN IN PLACE UNTIL A PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED.
29. UNDER NO CIRCUMSTANCES SHALL SEDIMENTS BE PERMITTED TO EXIT THE PROJECT LIMITS, INCLUDING TRACKING BY VEHICLES ONTO PAVED ROADWAYS. THE CONTRACTOR SHALL MAKE IMMEDIATE REPAIRS OR ENHANCEMENTS TO ANY EROSION CONTROL SYSTEM THAT ALLOWS THE RELEASE OF SEDIMENTS.

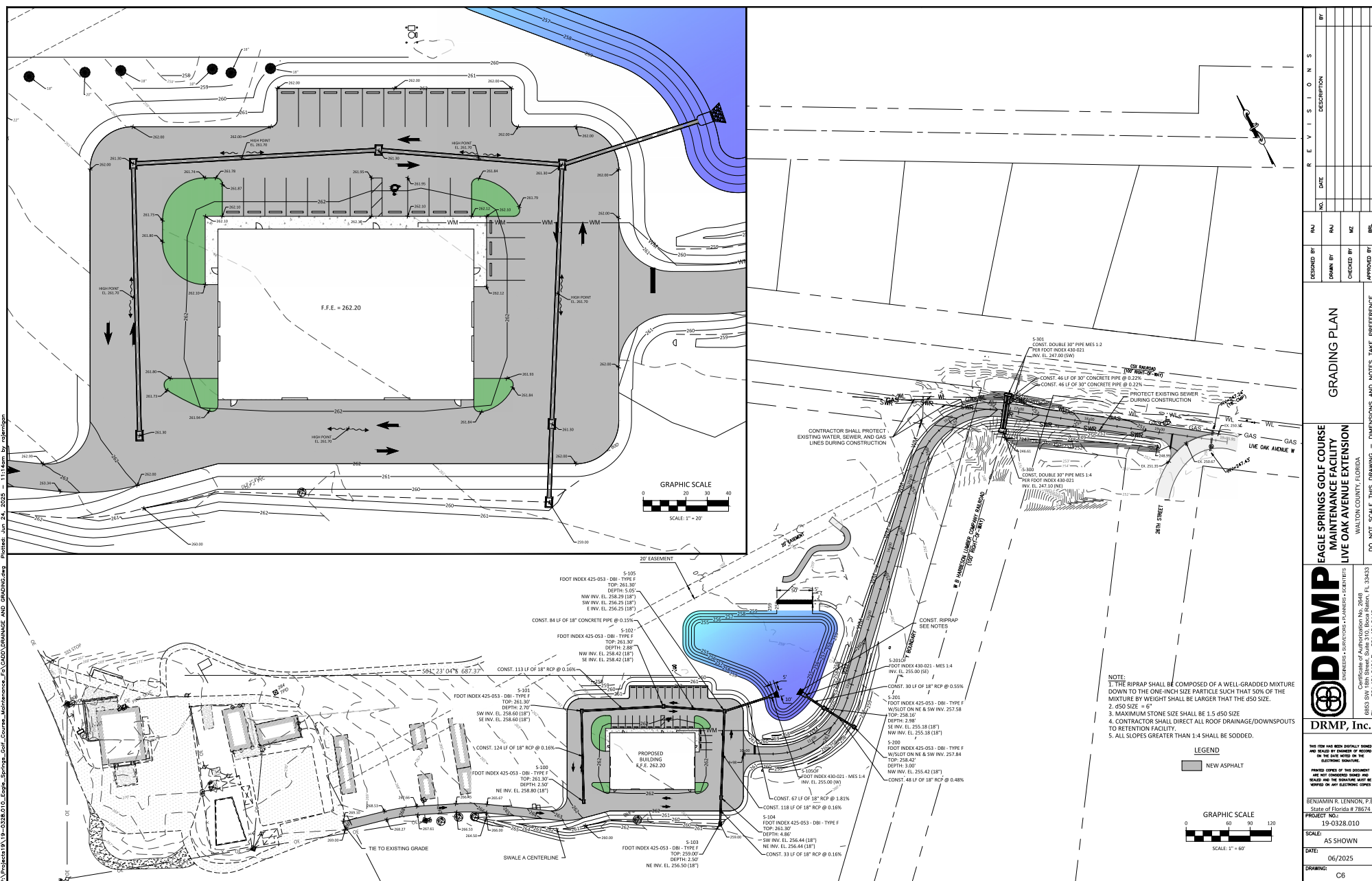


 <b>DRMP</b> <small>ENGINEERS • SURVEYORS • PLANNERS • SCIENTISTS</small>	<b>DEMOLITION AND MAINTENANCE FACILITY EROSION CONTROL PLAN</b> <b>LIVE OAK AVENUE EXTENSION</b> <small>WALTON COUNTY, FLORIDA</small>				NO. _____ DATE _____ DESCRIPTION _____	
	DESIGNED BY	RAJ	CHECKED BY	MZ	APPROVED BY	MBL
	DRAWN BY	RAJ	CHECKED BY	MZ	APPROVED BY	MBL
	CHECKED BY	MZ	CHECKED BY	MZ	APPROVED BY	MBL
	CHECKED BY	MZ	CHECKED BY	MZ	APPROVED BY	MBL
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DRMP, INC. 10000 N. W. 10th Ave., Suite 100, Fort Lauderdale, FL 33304 Phone: 561-451-8124 Fax: 561-451-8142 WWW.DRMP.COM						
PREPARED FOR: <b>BENJAMIN R. LEMON, P.E.</b> State of Florida # 78674 PROJECT NO: <b>19-0328.010</b>						
SCALE: <b>AS SHOWN</b> DATE: <b>06/20/25</b> DRAWING: <b>C4</b>						



P:\Projects\19-0328.010\_Eagle\_Springs\_Golf\_Course\_Maintenance\_Facility\DWG\19-0328.010.dwg Plot Date: Jun 24, 2025 11:11am by: cslennon

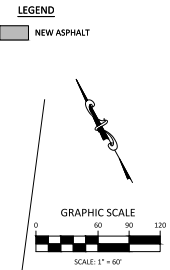
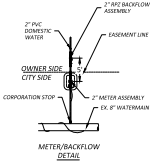




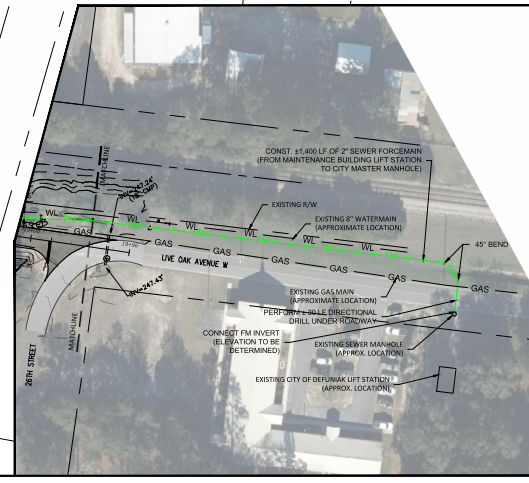
GENERAL NOTE:  
1. ANY NEW IRRIGATION SYSTEM SHALL CONNECT TO WATER SERVICE AFTER THE RPZ.  
2. ALL WATER AND SEWER INFRASTRUCTURE SHALL BE INSTALLED PER CITY OF DEFUNIAX SPRINGS TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.

FIRE DEPARTMENT NOTES:  
1. CLEARANCE OF 7.5' SHALL BE MAINTAINED TO THE FRONT AND SIDES AND 4' TO THE REAR OF ALL FIRE APPLIANCES (i.e. HYDRANTS, BACKFLOW PREVENTORS, POST INDICATOR VALVES, FIRE DEPARTMENT CONNECTIONS).  
2. ALL GATES AT VEHICULAR ENTRANCES SHALL BE ACCESSIBLE TO THE FIRE DEPARTMENT. IN COMPLIANCE W/ NFPA 1, 18.2.2.2, 2007 EDITION.

UTILITY NOTE:  
1. ANTICIPATED WATER USAGE +100 GPD  
2. CONTRACTOR TO INSTALL FIBERGLASS COVERS PER CITY OF DEFUNIAX SPRINGS SPECS. ON ALL BACKFLOW PREVENTORS, WHICH ARE LOCATED OUTSIDE.  
3. MAINTAIN 3" MIN. COVER ON ALL WATER LINES.  
4. ALL WATER INSTALLATION SHALL BE PER CITY OF DEFUNIAX SPRINGS TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, LATEST EDITION.  
5. ALL WATER METERS SHALL BE PLACED IN GREEN SPACES.  
6. NO LANDSCAPING MATERIAL OTHER THAN SOO AND MULCH SHALL BE PLACED WITHIN 2' OF WATER METERS.  
7. MANIFOLDS TO BE LOCATED A MINIMUM OF 13" BELOW FINISH GRADE  
8. ALL MATERIAL FOR METER MANIFOLDS MUST BE MADE IN THE U.S.A. (DOMESTIC) NO SUBSTITUTIONS.  
9. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER AND SEWER IS TEN FEET (10'). THE MINIMUM VERTICAL SEPARATION BETWEEN WATER AND SEWER IS EIGHTEEN INCHES (18").  
10. MAXIMUM CLEARANCE AROUND FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS, POST INDICATOR VALVES AND DOUBLE DETECTOR CHECK VALVE ASSEMBLIES SHALL BE PROVIDED AT ALL TIMES.  
11. THE REQUIRED WIDTH OF A FIRE DEPARTMENT ACCESS ROAD SHALL NOT BE OBSTRUCTED IN ANY MANNER, INCLUDING THE PARKING OF VEHICLES.  
12. NO TALL GROWING TREES ARE ALLOWED WITHIN THIRTY FEET OF AN EXISTING OVERHEAD POWER LINE.  
13. THE TYPE, SIZE AND LOCATION OF THE ELECTRIC FACILITIES REQUIRED TO SERVE THIS DEVELOPMENT WILL BE DETERMINED AT THE TIME OF PERMITTING.



CONTRACTOR SHALL NOT COMMENCE LIFT STATION OR FORCEMAIN CONSTRUCTION PRIOR TO OBTAINING THE FDEP PERMIT AND APPROVAL OF SHOP DRAWINGS.



REVISIONS		BY
NO.	DATE	DESCRIPTION

UTILITY PLAN			
DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY



**DRMP**  
INCORPORATED  
ENGINEERING & CONSTRUCTION CONSULTANTS

**EAGLE SPRINGS GOLF COURSE  
MAINTENANCE FACILITY  
LIVE OAK AVENUE EXTENSION**

WALTON COUNTY, FLORIDA

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THIS DRAWING HAS BEEN DIGITALLY SIGNED AND SEALED BY THE ENGINEER OR ARCHITECT ON THE DATE WRITTEN ON THE ELECTRONIC SIGNATURE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED VALID UNLESS SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC SIGNATURE.

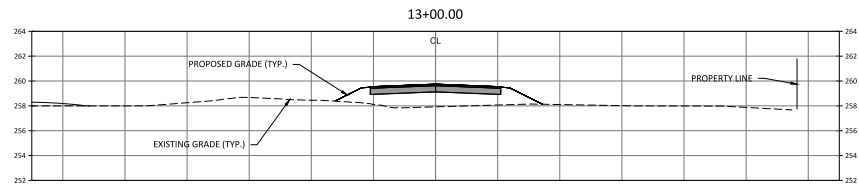
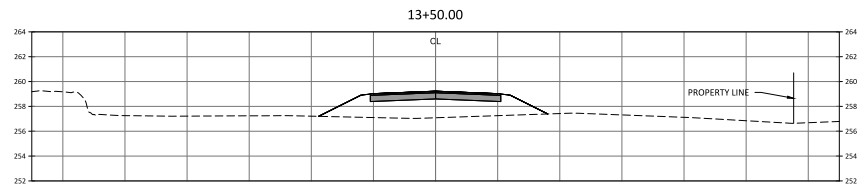
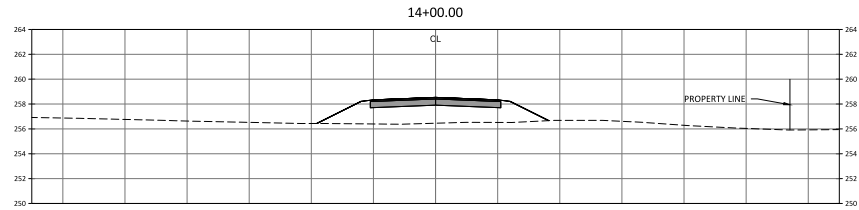
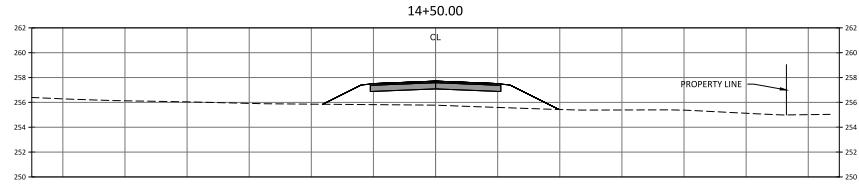
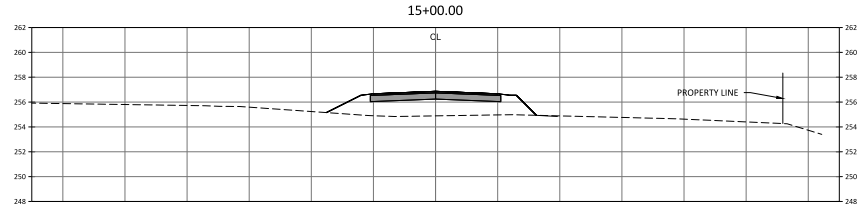
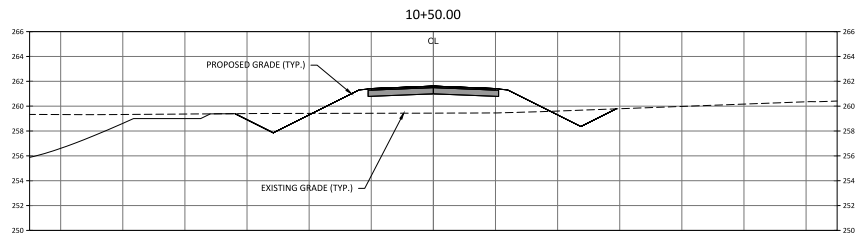
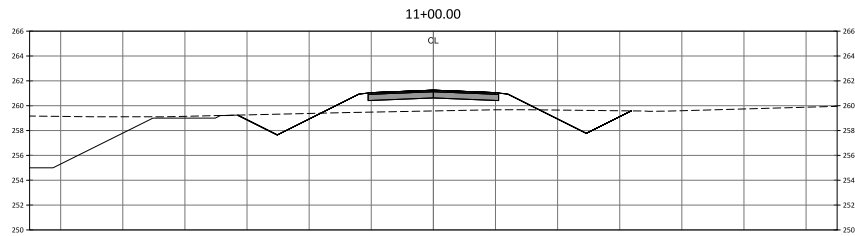
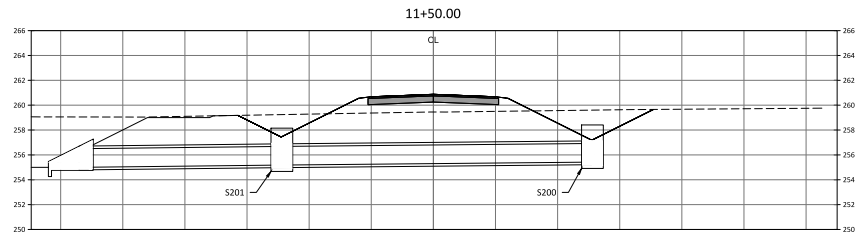
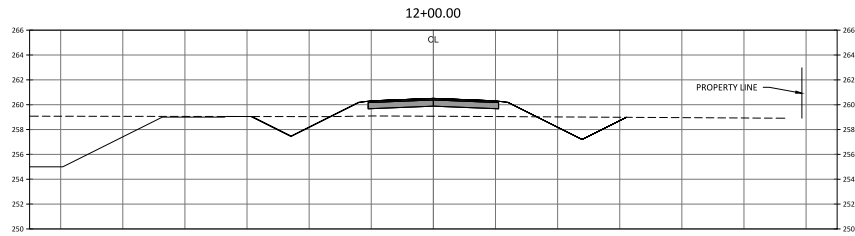
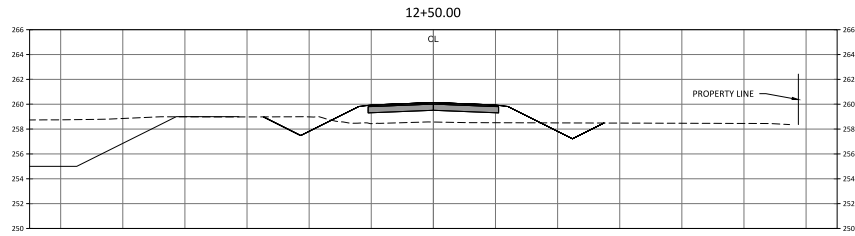
BENJAMIN R. LENNON, P.E.  
State of Florida No. 78674  
PROJECT No. 19-0328.010

SCALE: AS SHOWN  
DATE: 06/2025  
DRAWING: C7









SCALE:  
HORIZ. 1" = 10'  
VERT. 1" = 5'

REVISIONS			
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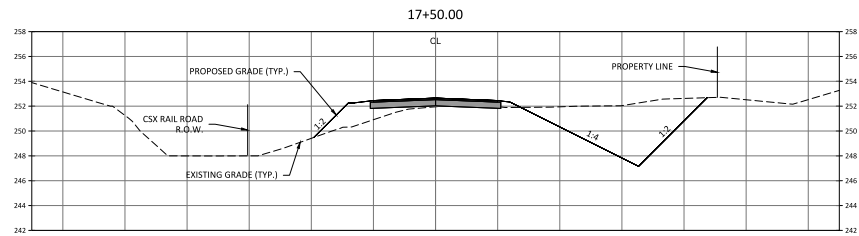
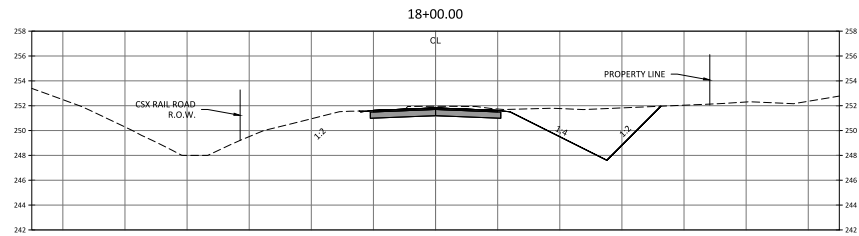
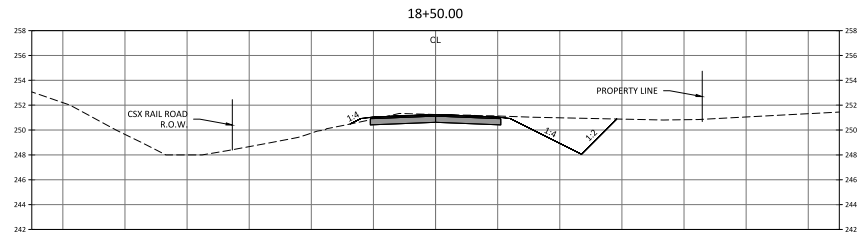
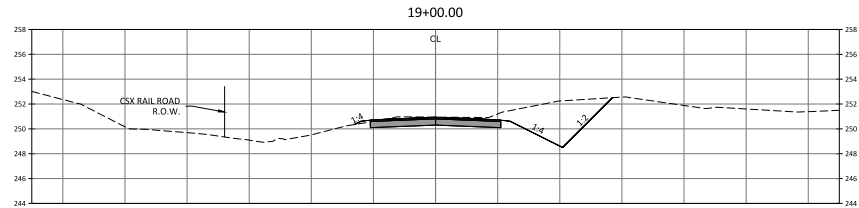
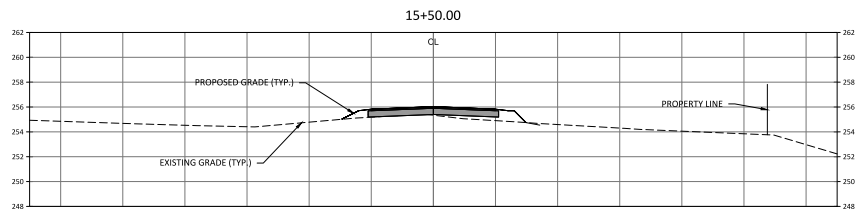
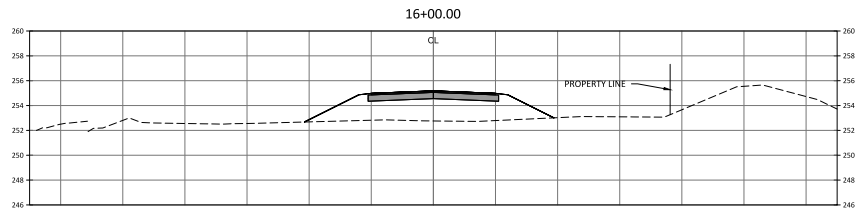
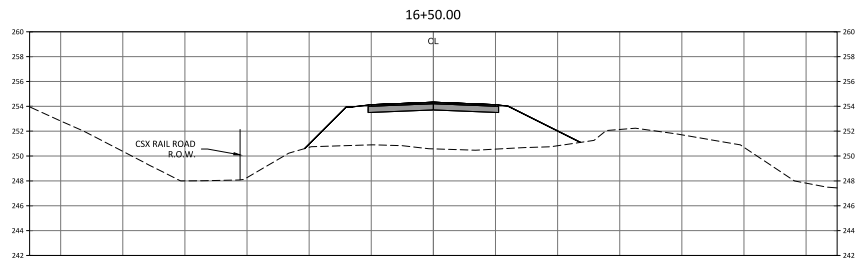
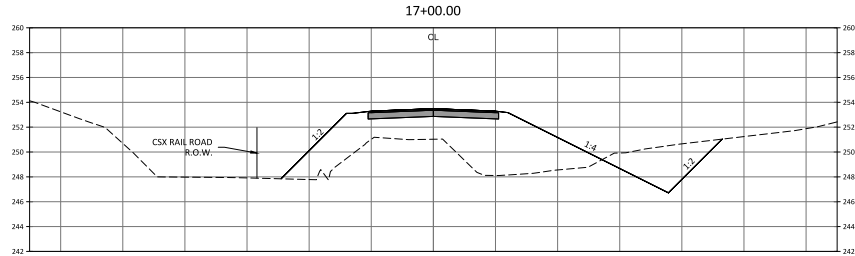
DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY

RAJ	RAJ	MZ	BR

CROSS SECTIONS	
EAGLE SPRINGS GOLF COURSE MAINTENANCE FACILITY LIVE OAK AVENUE EXTENSION WALTON COUNTY, FLORIDA	

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BENJAMIN R. LENNON, P.E. State of Florida # 78674 PROJECT No. 19-0328.010 SCALE: AS SHOWN DATE: 06/2025 DRAWING: C9	



SCALE:  
HORIZ. 1" = 10'  
VERT. 1" = 5'

DRAWING:  
C10

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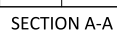
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CROSS SECTIONS	
EAGLE SPRINGS GOLF COURSE MAINTENANCE FACILITY LIVE OAK AVENUE EXTENSION WALTON COUNTY, FLORIDA	
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REGISTERED PROFESSIONAL ENGINEERS FLORIDA BENJAMIN R. LENNON, P.E. State of Florida # 78674 PROJECT NO.: 19-0328.010 SCALE: AS SHOWN DATE: 06/2025 DRAWING: C10	



1. ALL SIDE SLOPES TO BE SEALED AND SLOPES GREATER THAN 3:1 (H:V) SHALL BE PINNED. POND BOTTOM TO BE GRADED FLAT AND WITHOUT SLOES.
2. AFTER THE INTERIOR SIDE SLOPES AND POND BOTTOM HAVE BEEN GRADED TO FINAL DESIGN SPECIFICATIONS (LINES AND GRADES), ANY EXCESS SOIL AND UNSUITABLE MATERIAL SHALL BE CAREFULLY EXCAVATED AND REMOVED FROM THE POND SO THAT ALL ACCUMULATED SLETS, CLAYS, ORGANICS, AND OTHER FINE SEDIMENT MATERIAL ARE REMOVED FROM THE RETENTION AREA. THE EXCAVATED MATERIAL SHALL BE DISPOSED OF BEYOND THE PROJECT AREA.
3. ONCE THE POND HAS BEEN EXCAVATED TO FINAL GRADE, THE ENTIRE POND BOTTOM SHALL BE DEEP PAKED AND ROUGHENED TO PROVIDE PROPER FRICTION FOR THE POND LINER.
4. NO SOILS OR OTHER CONSTRUCTION MATERIAL SHALL BE STORED AND/OR PLACED WITHIN THE LIMITS OF THE POND.



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LANDSCAPE NOTES:

1. SOD ALL DISTRIBUTED AREA UNLESS INDICATED TO CONTAIN SEED & MULCH. SHRUBS, GROUNDCOVER, MULCH OR OTHER MATERIAL.
2. TREES AND SHRUBS SHALL BE PLANTED AT LEAST 3 FEET AWAY FROM EDGE OF PAVEMENT.
3. UNAPPROVED PLANTS - ANY PLANT LISTED ON THE MOST RECENT LIST OF FLORIDA'S INVASIVE SPECIES PUBLISHED BY THE FLORIDA EXOTIC PEST PLANT COUNCIL, (AVAILABLE AT [HTTP://WWW.FLORIDAPC.ORG](http://www.floridapc.org)) MAY NOT BE INCLUDED IN THE LANDSCAPE PLAN. DEVELOPERS SHALL REMOVE ANY INVASIVE SPECIES PRESENTLY EXISTING ON HIS PROPERTY AS A PART OF THE LANDSCAPE PLAN.
4. ALL REQUIRED PLANTINGS, AS APPROVED ON THE LANDSCAPE PLAN, SHALL BE MAINTAINED IN A HEALTHY, PEST-FREE CONDITION. DEAD OR DISEASED PLANTS SHALL BE REMOVED AND REPLACED BY THE TENANT OR PROPERTY OWNER WITHIN SIX MONTHS.
5. SAVED PREDEVELOPMENT TREES FOR WHICH THE APPLICANT RECEIVED TREE CREDITS SHALL BE REPLACED WITH A TREE OF A CALIPER OF HALF THE CREDITED TREE INCHES, OR A MINIMUM OF SIX INCHES, WHICH EVER IS LESS.
6. ALL PRUNING AND MAINTENANCE WILL BE IN COMPLIANCE WITH THE ANS (AMERICAN NATIONAL STANDARDS INSTITUTE) A300 (PARTS 1-5) PRUNING, FERTILIZING, SUPPORT SYSTEMS, LIGHTNING PROTECTION SYSTEMS AND MANAGEMENT OF TREES AND SHRUBS DURING SITE DEVELOPMENT AND CONSTRUCTION.
7. PRUNING SHALL BE ALLOWED IN ORDER TO REMOVE DEAD, DISEASED, CROSSING OR COMPETING BRANCHES, PROVIDE CLEARANCE, REDUCE WIND RESISTANCE, MAINTAIN HEALTH, OR TO INFLUENCE FLOWER OR FRUIT PRODUCTION.
8. PRUNING SHALL NOT BE USED TO REDUCE THE HEIGHT OF THE TREE, EXCEPT TO PROVIDE CLEARANCE FOR LOT LINES AND ROOT LINES.

MATERIALS:

1. PLANTING SOL BACKFILL MIX: TREE PITS, LANDSCAPE AREAS, AND SOD AREAS: MIX 50% EXISTING TOPSOIL TO 50% SOL ADMIXTURE COMPRISED OF 1/3 PARTS DECOMPOSED PINE BARK OR PEAT MOSS, 1/3 PARTS COW MANURE, AND 1/3 PARTS IMPORTED TOPSOIL AND SOL AMENDMENTS AS REQUIRED TO BRING THE pH TO BETWEEN 5.5 TO 6.5. ALTERNATE PLANTING SOL BACKFILL MIXTURE.
2. MIX 50% EXISTING TOPSOIL AND 50% FLORIDA MUCK AND SOL AMENDMENT AS REQUIRED TO BRING pH TO BETWEEN 5.5 AND 6.5.
3. TOP SOIL SHALL BE DEFINED AS THE UPPER 4" TO 8" OF NATURALLY OCCURRING SOILS SUITABLE FOR AGRICULTURAL PRODUCTION, AND ARE WITHOUT DRAINAGE LIMITATIONS. IMPORT TOPSOIL FROM OFF-SITE SOURCES, IF REQUIRED. OBTAIN TOPSOIL FROM NATURAL WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 4" DEEP. UNDER NO CIRCUMSTANCES SHOULD TOPSOIL BE OBTAINED FROM ROADS OR MARSHES.
3. PLANTING BED AND TREE MULCH: PINE STRAW CLEAN, BRIGHT, AND FREE OF WEEDS, STICKS, AND OTHER DEBRIS.
4. SOD: CENTRIPODE SOD, UNLESS DIRECTED OTHERWISE BY OWNER.
5. FERTILIZER FOR PLANT BEDS USE 8-8-8 RATIO, AND FOR LAWN AREAS USE 16-4-8 RATIO, BOTH WITH AT LEAST 25% OF THE NITROGEN IN A LAWN INSOLUBLE ORGANIC FORM.
6. ALL PLANTS MUST BE FLORIDA #1 OR BETTER AS DESCRIBED IN THE LATEST VERSION OF FLORIDA DEPARTMENT OF AGRICULTURES "GRADES & STANDARDS FOR NURSERY PLANTS" PARTS I AND II.

SUBMITTALS:

1. SOD CERTIFICATE FROM GROWER.
2. SAMPLE OF PREPARED SOL BACKFILL MIX (1/2 CU. FOOT).
3. SOIL TEST REPORT FOR pH WITH RECOMMENDATIONS FOR pH ADJUSTMENT (ALL PLANTING AREAS AND SOL MIXTURE)
4. WRITTEN PLANT GUARANTEE.
5. SUBMIT MANUFACTURER DATA WITH INSTRUCTIONS FOR APPLICATIONS FOR ALL HERBICIDES.
6. PLANTING AREA / BED PREP HERBICIDES
7. A. FOR GRASS AND WEED KILL PRIOR TO TILING, TOP DRESSING OR MULCHING, ROUNDUP BY MONSANTO.
7. FUNGUSCIDE
8. A. FOR ROOT AND WEED DISEASES: BROAD SPECTRUM SYSTEMIC FUNGICIDE THAT IS ALSO LABELED FOR THE CONTROL OF PHYTOPHTHORA BLIGHT ROT.
8. B. FOR CARBORACIN LEAF SPOT: MANEER, MANCOSB OR OTHER FUNGICIDE SUCH AS KODICE SOL, COPPER (GLY AND BORON (B). PROVIDE 100% OF X, Y AND M IN CONTROLLED-RELEASE FORM (BESIN OR SULFUR COATED).
8. INSECTICIDE
8. A. SYSTEMIC INSECTICIDE SUCH AS LINDANE OR

EXECUTION:

1. ALL LANDSCAPING WITHIN RIGHT-OF-WAY SHALL MEET COUNTY TREE PLANTING REQUIREMENTS.
2. PERFORM ALL WORK AS SHOWN AND IN STRICT ACCORDANCE WITH SOUND HORTICULTURAL PRACTICE.
3. PREPARATION OF PLANTING SOL MIXTURE.
4. DESCRIPTION: PROVIDE IN ALL BACKFILL AREAS AS INDICATED ON THE DETAILS AND DRAWINGS.
5. ADJUST SOL AND BACKFILL pH TO 5.5 AND 6.5.
6. ADJUST SOL pH TO 5.5-6.5 AS RECOMMENDED BY THE SOIL TEST. USE ALUMINUM SULFATE OR IRON SULFATE TO LOWER THE pH AND USE HYDRATED LIME OR BASIC SLAG TO RAISE THE pH.
7. ADJUST SOL pH IN AXIAL PLANTING BEDS IN THE ACIDITY RANGE OF 4.5 TO 5.5.
8. LANDSCAPE CONTRACTOR SHALL MAINTAIN RECORDS OF ALL SOIL ADJUSTMENTS FOR REVIEW BY COUNTY INSPECTOR.
9. SUFFICIENT GROUND COVER BEDS WITH 1 INCHES OF COMPOSTED PINE BARK ON PEAT AND INCORPORATE TO A DEPTH OF 6 INCHES PRIOR TO PLANTING.
10. PLACE ALL PLANT MATERIALS WHERE SHOWN.
11. AFTER PLANTS ARE INSTALLED, BROADCAST 2 LBS. OF 8-8-8 FERTILIZER PER 100 SQUARE FEET OF PLANT BED. EACH TREE SHALL HAVE 1/2 LBS. OF 8-8-8 FERTILIZER APPLIED PER CALIPER INCH.
12. STAKE TREES AS NECESSARY TO MAINTAIN THEM IN A VERTICAL ALIGNMENT IN SANDY OR SLOPED CONDITIONS.
13. APPLY PINE STRAW TO PROVIDE 1-1 1/2" OF THICKNESS AFTER SETTLING IN SUBURBANY AREAS AND OVER TREE PITS. (1-1 1/2" IN GROUND COVER AREAS)
14. ALL TREES IN SOD AREAS SHALL HAVE A 3-FOOT DIAMETER CIRCLE OF LANDSCAPE MULCH BENEATH, NO SOD.
15. ALL TREE PITS SHALL BE EXCAVATED TO A DEPTH NO LESS THAN 4" GREATER THAN THE BAIL HEIGHT AND FILLED WITH THE SPECIFIED PLANTING BACKFILL MIX.
16. APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURERS PRODUCT LABELS AND GUIDELINES.
17. ALL TRANSPLANTED TREES, INCLUDING PALMS SHALL BE SPRAYED WITH FUNGUSCIDE AND INSECTICIDE, ALL APPLICATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS' PRODUCT LABELS AND GUIDELINES.
18. TREES AND SHRUBS SHALL NOT BE PLANTED CLOSER THAN THREE FEET FROM THE EDGE OF ANY IMPERVIOUS AREA.
19. WHERE UNDERGROUND UTILITIES CONFLICT WITH PROPOSED PLANTINGS, TREE PLACEMENT SHALL BE A MINIMUM OF 10 FEET FROM THE UTILITY OR A ROOT BARRIER 2" DEEP SHALL BE INSTALLED.
20. CONTRACTOR SHALL PROVIDE FOOT RAMPAGE ANYWHERE A TREE IS PROPOSED WITHIN 6" OF A HARDENED SURFACE.
21. NO REQUIRED LANDSCAPE AREA SHALL BE USED FOR ACCESSORY STRUCTURES, GARBAGE OR TRASH COLLECTION, PARKING OR ANY OTHER FUNCTIONAL USE CONTRARY TO THE INTENT AND PURPOSE OF CHAPTER 3 OF THE ENVIRONMENTAL MANAGEMENT ORD

GRASSING:

1. SOIL PREPARATION:
- A. REMOVE STONES OVER 1-1/2" IN DIAMETER, STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER FROM ALL LAWN AREAS.
- B. ADJUST SOL pH AS RECOMMENDED BY THE SOIL TEST FOR GRASS SPECIFIED.
- C. ROTOTILL SOL 4" DEEP AND THEN RAKE LAWN AREAS TO A SMOOTH EVEN SURFACE. IN AREAS TO BE SODDED, ALLOW FOR SOD THICKNESS, PROVIDING A FINISH GRADE 2" BELOW ADJACENT PAVEMENT.
- D. MOW/EN PREPARED LAWN AREAS BEFORE PLANTING IF DRY.
2. SODDING:
- A. APPLY FERTILIZER OVER PREPARED SOL AREA. APPLY MATERIAL AT A RATE OF 6 LBS. PER 1,000 SQUARE FEET. SECOND APPLICATION: AS SPECIED UNDER LAWN MAINTENANCE AND WARRANTY.
- B. LAY SOD WITHIN 24 HOURS OF STRIPPING AT 1/4 IN.
- C. LAY SOD IN STRAIGHT, (NOT CURVED) PARALLEL ROWS TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS, WITHOUT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS. WORK TOPSOIL INTO MINOR CRACKS.
- D. ROLL ENTIRE SODDED AREA WITH A 200 LB. ROLLER.
- E. WATER SOD IMMEDIATELY AFTER ROLLING, THEREAFTER WATER SUFFICIENTLY TO KEEP SOL MOST TO A DEPTH OF 4" UNTIL ESTABLISHING.

PLANT GUARANTEE:

1. ALL TREES, SHRUBS, AND GROUND COVERS SHALL BE GUARANTEED BY THE LANDSCAPE CONTRACTOR TO BE HEALTHY, AND IN FLOURISHING CONDITION OF ACTIVE GROWTH FOR A PERIOD OF ONE YEAR FROM FINAL INSPECTION AND ACCEPTANCE. SOD SHALL BE GUARANTEED TO BE HEALTHY, FREE OF NOXIOUS WEEDS, DISEASE AND INSECT INFESTATION FOR A PERIOD OF SIXTY (60) DAYS FROM THE DATE OF FINAL ACCEPTANCE. (PLANT GUARANTEE NOT APPLICABLE TO ON-SITE TRANSPLANTED MATERIALS)

MAINTENANCE AND WARRANTY:

1. BEGIN MAINTENANCE OF LANDSCAPE WORK IMMEDIATELY AFTER EACH AREA IS PLANTED AND CONTINUE FOR THE MAINTENANCE PERIOD SPECIFIED.
2. PLANT MAINTENANCE AND WARRANTY:
- A. MAINTAIN PLANTS FOR A MINIMUM PERIOD OF 90 DAYS AFTER FINAL ACCEPTANCE.
- B. AFTER INITIAL WATERING, WATER PLANTS AS CONDITIONS REQUIRE TO MAINTAIN HEALTHY GROWTH.
- C. BEST SETTLED PLANTS TO PROPER GRADE AND POSITION. REMOVE DEAD MATERIAL, AND TIGHTEN OR REPAIR STAKES.
- D. KEEP PLANT BEDS NEAT AND ATTRACTIVE DURING THE 90 DAY PERIOD: FREE OF WEEDS AND DEBRIS.
- E. AT THE END OF THE MAINTENANCE PERIOD, RE-MULCH ANY TREES AND BED AREAS WHICH HAVE LESS THAN 1-1/2 INCHES OF MULCH.
3. LAWN MAINTENANCE AND WARRANTY:
- A. MAINTAIN LAWNS FOR A MINIMUM PERIOD OF 30 DAYS AFTER FINAL ACCEPTANCE.
- B. WATER LAWN SUFFICIENTLY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES UNTIL FINAL ACCEPTANCE.
- C. MOW LAWNS WHEN SOD IS FIRMLY ROOTED AND TOP GROWTH EXCEEDS 3 INCHES. REPEAT MOWINGS TO MAINTAIN HEIGHT BETWEEN 2 1/2 AND 3 INCHES.
- D. FERTILIZE LAWNS 5 TIMES AFTER PLANTING WITH 16-4-8 AT A RATE OF 6 LBS. PER 1,000 SQUARE FEET.

REPLACEMENTS AND CONDITIONS:

1. REPLACEMENTS WILL BE MADE DURING THE NEXT PLANTING PERIOD FOR THE SPECIES UNLESS THE OWNER OR OWNER'S REPRESENTATIVE AGREES TO AN EARLIER DATE.
2. THERE WILL BE A ONE YEAR REPLACEMENT POLICY.
3. A REPLACEMENT WILL BE OF THE SAME SIZE AS THE ORIGINAL WITH NO ADDITIONAL SOL ADDITIVES TO BE USED.
4. AFTER INITIAL INSPECTION THE LANDSCAPE CONTRACTOR WILL NOT BE RESPONSIBLE FOR PLANT MATERIAL THAT HAS BEEN DAMAGED BY VANDALISM, FIRE, REMOVAL, RELOCATION OR OTHER ACTIVITIES BEYOND THE LANDSCAPE CONTRACTOR'S CONTROL.
5. PLANT LOSSES DUE TO ABNORMAL WEATHER CONDITIONS SUCH AS FLOODS, EXCESSIVE WIND DAMAGE, DROUGHT, SEVERE FREEZING OR ABNORMAL RAINS WILL NOT BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

FINAL INSPECTION AND ACCEPTANCE:

1. FINAL INSPECTION: THE LANDSCAPE CONTRACTOR WILL CONDUCT A FINAL INSPECTION WITH THE OWNER OR OWNER'S REPRESENTATIVE AT THE END OF EACH MAINTENANCE PERIOD SPECIFIED FOR LAWNS AND PLANT MATERIALS. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE WITHIN 30 DAYS OF THE ANTIPOPE MEETING.
2. PLANT MATERIALS:
- A. REPLACE ANY MATERIAL NOT IN HEALTHY CONDITION OR WHICH FAILS TO MEET SPECIFICATIONS.
- B. DECIDUOUS MATERIAL WILL BE GUARANTEED TO BREAK DORMANCY IF PLANTED IN DORMANT SEASON.
3. LAWNS:
- A. AT THE TIME OF FINAL INSPECTION, SODDED LAWNS WILL BE ACCEPTABLE PROVIDED A HEALTHY, WELL-ROOTED, EVEN-COLORED, LAWN IS ESTABLISHED, FREE OF WEEDS, DISEASE AND INSECT INFESTATION. THERE SHALL BE NO OPEN JOINTS OR BASE AREAS.
4. AS-BUILT DRAWINGS:
- THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF BOTH LANDSCAPING AND IRRIGATION TO THE OWNER PRIOR TO FINAL ACCEPTANCE.

IRRIGATION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE OWNER FOR DESIGN AND CONSTRUCTION OF A NEW IRRIGATION SYSTEM OR CONNECTION TO AN EXISTING IRRIGATION SYSTEM TO PROVIDE COVERAGE TO NEW SOD AND PLANTINGS.
2. PRIOR TO ANY WORK, THE IRRIGATION CONTRACTOR MUST COORDINATE AN ON-SITE IRRIGATION MEETING WITH THE OWNER IN ADVANCE OF ANY SITE CLEARING OPERATIONS.
3. PRIOR TO CONSTRUCTION, WIRES FROM VALVES ARE TO BE LOCATED AND BUNDLED UP AND PLACED WITHIN A PVC PIPE PERPENDICULAR TO THE GROUND TO PROTECT IT FROM CONSTRUCTION.
4. IF DAMAGE TO WIRES OCCURS, REWIRE IT AT NO COST TO THE OWNER.
5. SPLICER BOXES TO BE INSTALLED AT LOCATIONS WITHIN 10 FEET OF EACH VALVE AND END OF EACH RUN.
6. NEW PIPES TO BE JACK-AND-BORED IF PROPOSED SLEEVE CAN NOT BE ACCOMMODATED.

LAYOUT:

1. LAYOUT IRRIGATION SYSTEM MAINLINES AND LATERAL LINES ON GRADE FIRST. MAKE ALL NECESSARY ADJUSTMENTS AS REQUIRED TO TAKE INTO ACCOUNT ALL SITE OBSTRUCTIONS AND LIMITATION PRIOR TO EXCAVATING TRENCHES.
2. PROVIDE COVERAGE TO INSURE 100% COVERAGE AND 50% OVERLAP.

PIPE:

1. ALL MAINLINE PIPE TO BE SCH. 80 PVC. ALL LATERALS TO BE SCH. 40 PVC.
2. PIPING UNDER HARDSCAPES SUCH AS ROADS, WALKS AND PATIOS ARE TO BE SLEEVED USING SCH. 40 PIPE.
3. PIPES 4" AND UNDER TO BE SOLVENT WELD. LARGER PIPES TO BE GASKETED "O" RING PIPES AND USE THRUST BLOCKS OR MEGA LUGS AND DUCTILE IRON FITTINGS AT TURNING LOCATIONS.
4. SIZE ALL PIPES SO NOT TO EXCEED 5' PER SECOND.
5. INSTALL BAIN SENSOR AS PER LOCAL CODE.
6. PIPES CONVEYING RECLAIM WATER SHALL HAVE A 5' HORIZONTAL DISTANCE SEPARATION FROM OTHER PIPING OR UTILITY SERVICES. AN 18" VERTICAL SEPARATION SHALL BE MAINTAINED WHEN APPLICABLE.
7. AIR RELEASE VALVES TO BE USED AT THE END OF ALL MAINLINE RUNS.

WIRES:

1. LOW VOLTAGE WIRE TO BE INSTALLED ALONG MAINLINE INSTALLATION. USE 2" SCH. 40 PVC WITH SWEEP ELBOWS AT TURNING LOCATIONS WHEN SLEEVING IS REQUIRED. ALL SPICES SHALL BE ENCLOSED WITHIN A VALVE/SPLICER BOX.
2. WIRE SIZED AND COLORED AS FOLLOWS:
- #12 WHITE FOR COMMON
- #12 SPARE BLACK COMMON (1 SPARE NEEDED PER 10 HOT WIRES)
- #14 RED HOT WIRES
- #14 SPARE YELLOW HOT WIRE (1 SPARE NEEDED PER 10 HOT WIRES, 3 SPARES MINIMUM)
3. WHEN WIRE RUN EXCEEDS 1,500 LINEAR FEET, USE #10 FOR COMMON WIRES AND #12 FOR HOT/SPARE WIRES.
4. ALL IRRIGATION CONTROLLERS TO BE PROPERLY GROUNDED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

FLOODING:

1. PRIOR TO PLACEMENT OF DRIP HEADS FLUSH ALL LINES UNTIL LINES ARE COMPLETELY CLEAN OF DEBRIS.

TRENCHING:

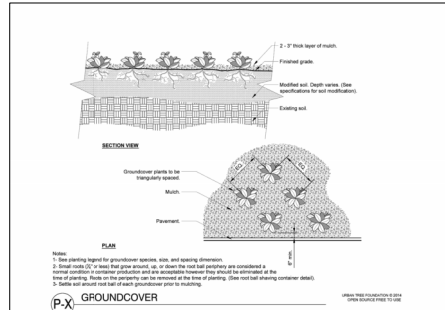
1. TRENCH BOTTOM TO BE UNIFORM AND FREE OF DEBRIS. NATURAL EXCAVATED MATERIAL TO BE BACKFILL TRENCH SHALL BE FREE FROM ROCKS OR STONES LARGER THAN 1" IN DIAMETER.
2. NO TRENCHING IN THE 75% DRUPLINE OF AN EXISTING TREE TO REMAIN. EXAMPLE A 12" DBH TREE HAS A 100% DRUPLINE RADIUS OF 12", A 75% DRUPLINE RADIUS OF 9"

MISC:

1. PRESSURE TEST MAINLINE AS PER FLORIDA BUILDING CODE. INSTALL IRRIGATION SYSTEM AS PER LATEST EDITION OF THE FLORIDA BUILDING CODE, APPENDIX F, AND ALL PERTINENT LOCAL CODES.
2. THE IRRIGATION CONTRACTOR OR RESPONSIBLE TO FAMILIARIZE THEMSELVES WITH THE SCALE OF WORK, INCLUDING BUT NOT LIMITED TO GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, UTILITIES AND EXISTING IRRIGATION EQUIPMENT. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIR AND/OR REPLACE ANY DAMAGE CREATED BY THEIR WORK. THEY SHALL COORDINATE AS WORK WITH OTHER CONTRACTOR OR MUNICIPAL AUTHORITIES FOR THE LOCATION AND INSTALLATION OF IRRIGATION EQUIPMENT UNDER ROADWAYS AND PAVING, SLICES THROUGH AND FLOODS, ETC.
3. INSTALL ALL IRRIGATION EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. EMITTERS, SPRAYERS, FILTERS AND VALVES SHALL BE MANUFACTURED BY KANIBOND OR APPROVED EQUAL.

DESIGN:

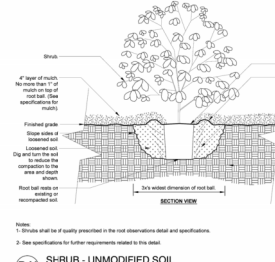
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Notes:

1. Tree planting liquid for groundcover, sprouts, staks, and watering direction.
2. Small plants (2" or less) that grow around, up, or down the root ball property are considered a groundcover. Groundcover plants with an approximate height of 10" or less, and a root ball diameter of 10" or less, shall be planted in the root ball.
3. Small plants (2" or less) that grow around, up, or down the root ball property are considered a groundcover. Groundcover plants with an approximate height of 10" or less, and a root ball diameter of 10" or less, shall be planted in the root ball.

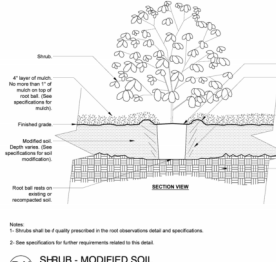
GROUND COVER



Notes:

1. Shrubs shall be of quality prescribed in the root observations detail and specifications.
2. See specifications for further requirements related to this detail.

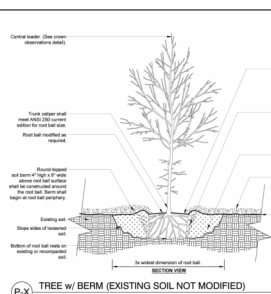
SHRUB - UNMODIFIED SOIL



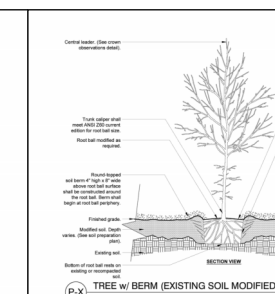
Notes:

1. Shrubs shall be of quality prescribed in the root observations detail and specifications.
2. See specifications for further requirements related to this detail.

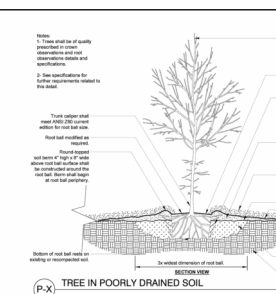
SHRUB - MODIFIED SOIL



TREE w/ BERM (EXISTING SOIL NOT MODIFIED)



TREE w/ BERM (EXISTING SOIL MODIFIED)



TREE IN POORLY DRAINED SOIL

REV	DATE	DESCRIPTION	BY
1			

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
RAU	RAU	MZ	BRK

LANDSCAPE & IRRIGATION NOTES AND DETAILS

EAGLE SPRINGS GOLF COURSE MAINTENANCE FACILITY LIVE OAK AVENUE EXTENSION WALTON COUNTY, FLORIDA

DO NOT SCALE THIS DRAWING - DIMENSIONS AND NOTES TAKE PREFFERENCE

**DRMP**  
CORPORATION A CORPORATION OF FLORIDA  
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT  
FLORIDA No. 26048  
PROFESSOR No. 19-0328.010  
PHONE 905.451.8241 FAX 905.451.8242 WWW.DRMP.COM

THIS DRAWING HAS BEEN DIGITALLY SIGNED AND SEALED BY THE ENGINEER OF RECORD ON THE DATE WRITTEN ON THE BOTTOM RIGHT OF THE DRAWING

PREPARED BY: BENJAMIN R. LENNON, P.E.  
State of Florida # 78674  
PROJECT No. 19-0328.010

SCALE: AS SHOWN

DATE: 06/20/25

DRAWING: C13

