

## BOARD OF COUNTY COMMISSIONERS ESCAMBIA COUNTY, FLORIDA

PUBLIC WORKS DEPARTMENT ENGINEERING / INFRASTRUCTURE DIVISION

### INDEX OF PLANS

PROJECT NOTES SITE IMPROVEMENTS DEMOLITION AND EROSION CONTROL PLAN

GRADING & DRAINAGE PLAN GEOMETRY & STRIPING POND GEOMETRY AND SECTIONS

**COVER SHEET** 

DEMOLITION & EROSION CONTROL PLAN FOR GALVEZ RD & CRUZAT WAY

C-800 - C-809 CIVIL DETAILS

#### RESTROOM BUILDING

STRUCTURAL PLANS A101 - A301 ARCHITECTURAL PLANS ELECTRICAL PLANS PLUMBING PLANS MECHANICAL PLANS

BOAT RAMP, RETAINING WALL, AND RAMP

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE LATEST ESCAMBIA COUNTY

ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION,

LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED

AND NOT APPLICAPABLE TO ANY SPECIFICATION REFERED HEREIN OR OTHERWISE LISTED IN

STRUCTURAL PLANS

MISC SHEETS

PAY ITEMS

TECHNICAL SPECIFICATIONS.

PLANS PROPOSED FOR

## GALVEZ LANDING BOAT RAMP IMPROVEMENTS

(PD 18-19.067)

SITE DEVELOPMENT & ROADWAY IMPROVEMENTS

## 90% DESIGN SUBMITTAL AUGUST 2020

#### **ENGINEER:**

MUNICIPAL ENGINEERING SERVICES. INC. 8574 TURKEY BLUFF ROAD NAVARRE, FL 32566 CONTACT: DALE E. LONG, PE. LEED AP PHONE: (850) 939-5732 EMAIL: dlong@mesi-fl.com

#### SITE INFORMATION:

STREET ADDRESS: 5889 GALVEZ ROAD PARCEL NUMBER: 14-3S-32-5000-650-002 PARCEL ZONING: REC FUTURE LAND USE: REC PROPOSED USE: PARK PARCEL SIZE: 1.64 ACRES

#### **COMMISSIONERS**

DISTRICT ONE JEFF BERGOSH

DISTRICT TWO DOUG UNDERHILL

DISTRICT THREE

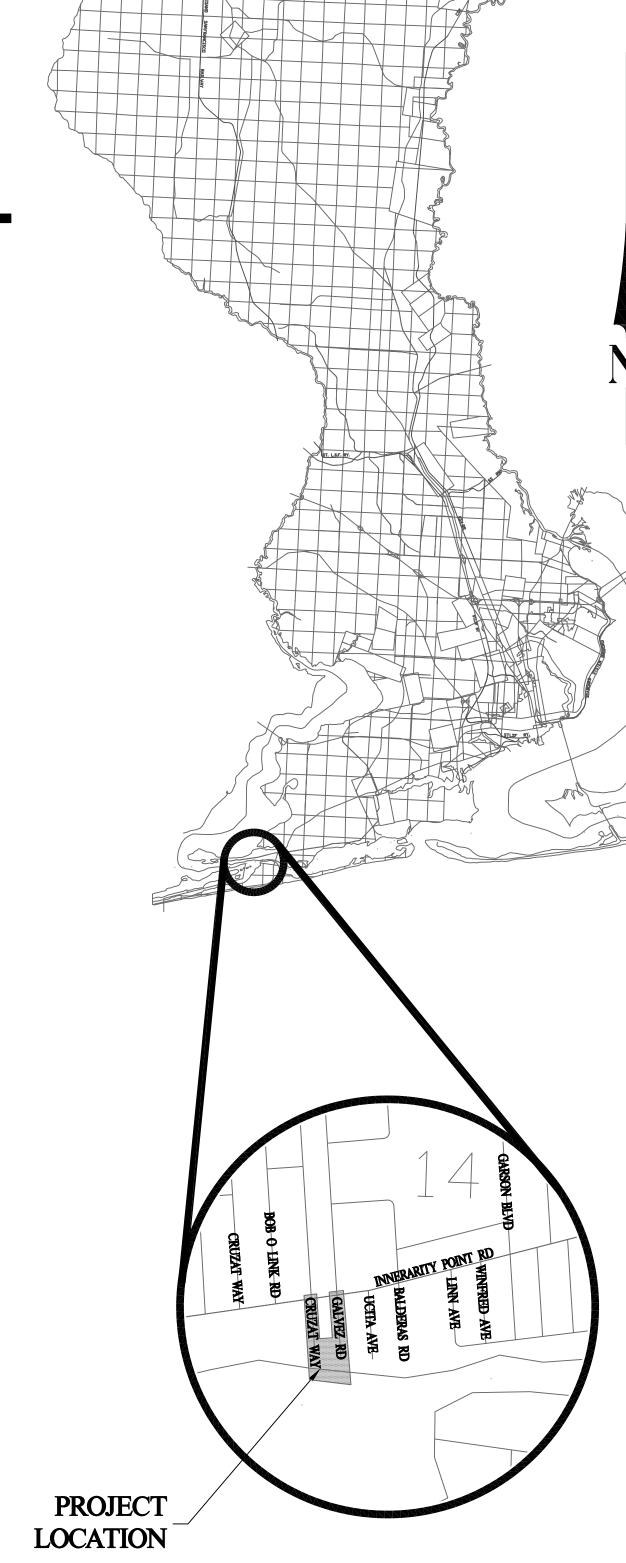
**LUMON MAY** 

DISTRICT FOUR

ROBERT BENDER, VICE CHAIRMAN

DISTRICT FIVE

STEVEN BARRY, CHAIRMAN



VICINITY MAP

PROJECT MANAGER: NICOLAS CHAUVIN SECTION / TOWNSHIP / RANGE: **DISTRICT**: 14-3S-32 PROJECT ENGINEER: **REG FLA ENG NO:** DALE E. LONG, PE 55393 SIGNATURE: DATE: AUGUST 2020

THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

#### **GENERAL NOTES:**

- 1. THE OWNER INTENDS THAT THE CONTRACT DOCUMENTS WILL PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT. WHERE LABOR AND MATERIAL MAY BE REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT BUT IS NOT FULLY SPECIFIED, DETAILED, OR SHOWN AS A CONSTRUCTION ITEM, THE CONTRACTOR SHALL PROVIDE THE REQUIRED MATERIAL OR LABOR TO MEET THE INTENT OF THE CONTRACT DOCUMENTS. THIS REQUIREMENT MAY ONLY BE CONSTRUED AS A REQUIREMENT TO COMPLETE OR MAKE FUNCTIONAL CONSTRUCTION ITEMS SHOWN IN OR ON THE CONTRACT DOCUMENTS.
- 2. PRIOR TO COMMENCING CONSTRUCTION WITHIN THE PROJECT AREA(S), THE CONTRACTOR SHALL VIDEO THE EXISTING CONDITIONS AND AREAS ADJACENT TO THE PROJECT THAT MAY BE IMPACTED BY THE CONSTRUCTION. THE CONTRACTOR SHALL KEEP ONE COPY AND PROVIDE ONE COPY EACH TO THE OWNER AND OWNER'S CONSTRUCTION INSPECTION/ADMINISTRATION REPRESENTATIVE.
- 3. ALL FINAL CONSTRUCTION AND CONSTRUCTION WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL BUILDING AND/OR CONSTRUCTION CODES, RULES OR REQUIREMENTS AS APPLICABLE.
- 4. ABOVE GROUND FEATURES SHOWN WHICH MAY AFFECT CONSTRUCTION WERE TAKEN FROM THE BEST AVAILABLE INFORMATION AND FIELD SURVEYS. THE OWNER DOES NOT GUARANTEE THAT ALL PHYSICAL FEATURES OR ABOVE GROUND OBSTRUCTIONS AFFECTING CONSTRUCTION ARE SHOWN. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS/HER BID. THERE SHALL BE NO ADJUSTMENT OF THE CONTRACT PRICE FOR VISIBLE FEATURES AFFECTING CONSTRUCTION.
- 5. THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT ARE AN INTEGRAL PART OF THE CONSTRUCTION. THE CONTRACTOR SHALL FULLY REVIEW AND FOLLOW ALL REQUIREMENTS OF THESE DOCUMENTS IN THE COMPLETION OF THE WORK, ALL CONSTRUCTION SHALL BE IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE.
- ALL EXISTING FENCES, STORM DRAINS, PROPERTY CORNERS, SURVEY MONUMENTS, PAVEMENT, ROADS, SIDEWALKS, SIGNS OR ANY OTHER EXISTING OBJECTS OR STRUCTURES WHICH ARE NOT DESIGNATED FOR REMOVAL, BUT ARE DAMAGED OR DESTROYED BY THE CONTRACTOR OR BY ANYONE FOR WHOM THE CONTRACTOR IS RESPONSIBLE ARE TO BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING IN KIND OR REPAIRING TO ORIGINAL CONDITION; MAILBOXES, DRIVEWAY CULVERTS, RETAINING WALLS, LANDSCAPING, ETC. THAT ARE DISTURBED, DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES.
- 7. THE LEGEND IS TYPICAL FOR ALL SHEETS. SOME ITEMS MAY NOT APPLY TO EACH SHEET.
- 8. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE LIMITS OF CONSTRUCTION, RIGHT-OF-WAYS AND/OR EASEMENTS SHOWN. CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE TO AND RESTORATION OF ALL AREAS OUTSIDE OF RIGHT-OF-WAYS AND EASEMENTS, AT HIS EXPENSE.
- 9. IN THE EVENT THAT ANY STANDARDS OR SPECIFICATIONS AS DESCRIBED HEREIN OR SHOWN ON THE PLANS, ARE IN CONFLICT WITH EACH OTHER, THE MORE STRINGENT CRITERIA WILL APPLY. IF SUCH CONFLICTS OCCUR, CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND IN WRITING. SHOULD THE MORE STRINGENT CRITERIA BE UNCLEAR, THE ENGINEER WILL PROVIDE AN INTERPRETATION AND DETERMINE WHICH CRITERIA IS TO BE USED.
- 10. THESE PLANS WERE BASED ON THE GEOTECHNICAL REPORT BY LMJ, PHONE: (850) 434-0846. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE A COPY OF THE REPORT(S) FROM THE GEOTECHNICAL ENGINEER, FAMILIARIZE THEMSELVES WITH THE CONDITIONS AS DESCRIBED IN THE REPORT(S), AND COMPLY WITH ALL RECOMMENDATIONS MADE IN THE REPORT(S) SPECIFICALLY FOR SOIL PREPARATION ON THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF ALL SUPPLEMENTAL REPORTS FOR THIS PROJECT FROM THE OWNER AND TO FOLLOW THE SUPPLEMENTAL REPORTS' RECOMMENDATIONS.
- 11. THE OWNER, OWNER'S REPRESENTATIVES, AND INSPECTORS OF APPLICABLE GOVERNMENT AGENCIES HAVING JURISDICTION, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK SITE. THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND INSPECTIONS.
- 12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO ENSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURE FROM UNAUTHORIZED ACCESS OR USE. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
- 13. THE OWNER AND ENGINEER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF ALL TESTING.
- 14. ALL DISCHARGE FROM ANY REQUIRED DEWATERING OPERATIONS SHALL BE RESTRICTED AND MAINTAINED ON SITE. PERCOLATION THROUGH TEMPORARY PONDS OR EVAPORATION ARE THE ONLY ALLOWABLE NON-PERMITTED MEANS OF DISPOSAL OF GROUNDWATER. THE CONTRACTOR AT HIS EXPENSE, SHALL PROVIDE TESTING OF GROUNDWATER PER F.D.E.P. GUIDELINES INCLUDING FAC CHAPTER 62-621,300(2). THE CONTRACTOR WILL BE REQUIRED TO OBTAIN A "GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY" FROM F.D.E.P. IF REQUIRED AT HIS EXPENSE.
- 15. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD, ESCAMBIA COUNTY, AND THE OWNER.

#### ESCAMBIA COUNTY GENERAL NOTES

- 1. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
- 2. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- 3. COMPLIANCE OF NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
- 5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
- EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- 7. THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.

- 8. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
- 9. ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- 10. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- 11. ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
- 12. EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 13. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE 10' OPEN LANE AT ALL TIMES. NO OPEN EXCAVATION SHALL REMAIN OVER NIGHT. CONTRACTOR SHALL RESTORE ROAD TO TWO LANES OF TRAFFIC AT THE END OF EACH WORK DAY.
- 14. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- 15. ONLY ACCESS TO THE ROAD R/W AS SHOWN IS GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
- 16. VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
- 17. GRADED AGGREGATE BASE SHALL BE REQUIRED FOR ROADWAYS UNLESS OTHERWISE SHOWN.
- 18. ALL COMPACTED FILL SHALL BE PLACED IN LAYERS OR LIFTS NOT MORE THAN 12" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
- 19. MAINTENANCE OF TRAFFIC AS PER FDOT.
- 20. ALL SPEED BUMPS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE REPLACED TO THE LATEST ESCAMBIA COUNTY DESIGN SPECIFICATIONS. ALL COSTS FOR REPLACEMENT OF SAID SPEED BUMPS SHALL BE INCIDENTAL TO OTHER ITEMS AND NO ADDITIONAL COMPENSATION SHALL BE CONSIDERED.
- 21. ALL EXISTING MAILBOXES SHALL BE REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH POSTAL REQUIREMENTS AND IN ACCORDANCE WITH ESCAMBIA COUNTY TECHNICAL SPECIFICATION, FDOT DESIGN STANDARDS AND UNITED POSTAL REQUIREMENTS. ALL EXISTING BRICK (OR DECORATIVE) MAILBOXES WITHIN LIMITS OF CONSTRUCTION OR COUNTY RIGHT OF WAY SHALL BE REMOVED AND PLACED ON THE PROPERTY LINE OF THE OWNER. CONTRACTOR SHALL REPLACE EXISTING BRICK (OR DECORATIVE) MAILBOX WITH APPROVED PLASTIC BREAK AWAY MAILBOX.
- 22. THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EXISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL CONTACT THE COUNTY TRAFFIC DEPARTMENT PRIOR TO INSTALLATION OF ANY SIGNING AND PAVEMENT MARKINGS
- 23. WHERE UNSUITABLE MATERIAL, AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(I), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.
- 24. PIPE LENGTHS SHOWN IN THE PLANS DO NOT INCLUDE THE LENGTH OF PIPE THAT MUST BE INSTALLED WITH THE MITERED END SECTION. THEREFORE, ALL PIPES LENGTHS ASSOCIATED WITH MITERED END SECTIONS SHALL BE PAID FOR IN THE UNIT COST OF THE MITERED END SECTION.
- 25. IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
- 26. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.
- 27. CONTRACTOR SHALL OBTAIN COUNTY APPROVED CHANGE ORDER PRIOR TO PERFORMING ANY ADDITIONAL WORK.
- 28. ALL SIDEWALKS, SHARED PATH WALKWAYS, AND CURB RAMPS ARE TO BE BUILT TO ADA STANDARDS USING THE LATEST EDITION OF THE DESIGN STANDARDS PARK ADA REQUIREMENTS AND PUBLIC RIGHTS OF WAY ACCESSIBILTY GUIDELINES (PROWAG).
- 29. THE CONTRACTOR IS CAUTIONED THAT MOISTURE SENSITIVE SOILS ARE ANTICIPATED TO BE ENCOUNTERED ON THIS PROJECT. THE CONTRACTOR IS DIRECTED TO THE REPORT OF GEOTECHNICAL EXPLORATION AND SECTION 2300 OF THE TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STOCKPILING MOISTURE SENSITIVE SOILS IN A MANNER THAT IS CONDUCIVE TO PROPER "WORKING" OF THE MATERIAL TO PROMOTE OPTIMUM MOISTURE CONTENT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR FAILURE TO PROPERLY STORE, SCARIFY, AND MANAGE THESE SOILS.
- 30. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD, ESCAMBIA COUNTY, AND THE OWNER. ANY DEVIATIONS MAY RESULT IN DELAYS IN OBTAINING A CERTIFICATE OF OCCUPANCY.
- 31. THE OWNER OR HIS AGENT SHALL ARRANGE/ SCHEDULE WITH THE COUNTY A FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION AND ANY INTERMEDIATE INSPECTIONS AT 850-595-3472 (ESCAMBIA COUNTY). "AS-BUILT" CERTIFICATION IS REQUIRED PRIOR TO REQUEST FOR FINAL INSPECTION/APPROVAL.
- 32. THIS SET OF PLANS IS FOR THE CIVIL CONSTRUCTION PORTIONS OF THE PROJECT. THE CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH ARCHITECTURAL PLANS FOR BUILDING INTERFACES.
- 33. ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY.
- 34. RETENTION/DETENTION AREAS SHALL BE SUBSTANTIALLY COMPLETE PRIOR TO ANY CONSTRUCTION ACTIVITIES THAT MAY INCREASE STORMWATER RUNOFF RATES. THE CONTRACTOR SHALL CONTROL STORMWATER DURING ALL PHASES

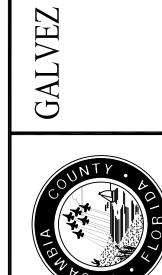
- OF CONSTRUCTION AND TAKE ADEQUATE STEPS TO PREVENT THE EXCAVATED POND FROM BLINDING DUE TO
- 35. CONTRACTOR SHALL RE-SHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT THE END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED AND PRIOR TO THE REQUEST FOR A FINAL INSPECTION.
- 36. THE ENGINEER OF RECORD SHALL PROVIDE TO ESCAMBIA COUNTY "AS-BUILT" RECORD DRAWINGS FOR VERIFICATION AND APPROVAL ONE (1) WEEK PRIOR TO REQUESTING A FINAL INSPECTION AND CERTIFICATE OF OCCUPANCY, OR PROVIDE "AS-BUILT" CERTIFICATION THAT THE PROJECT CONSTRUCTION ADHERES TO THE PERMITTED PLANS AND SPECIFICATIONS. THE "AS-BUILT" CERTIFICATION OR RECORD DRAWINGS MUST BE SIGNED, SEALED AND DATED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.
- 37. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS AND STORMWATER FACILITIES UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO EQUAL OR BETTER CONDITION.
- 38. THE OWNER SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORM WATER SYSTEM.
- 39. ANY DAMAGE TO EXISTING ROADS DURING CONSTRUCTION WILL BE REPAIRED BY THE CONTRACTOR PRIOR TO FINAL AS-BUILT SIGN-OFF FROM THE COUNTY.
- 40. PRIOR TO CONSTRUCTION, A SEPARATE BUILDING INSPECTION DEPARTMENT PERMIT SHALL BE OBTAINED FOR ALL RETAINING WALLS HIGHER THAN TWO (2) FEET.
- 41. ALL PROPOSED SIDEWALKS, CURB-RAMPS, AND DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ADDITION OF THE ADA STANDARDS, ESCAMBIA COUNTY DESIGN STANDARDS, AND THE PROWAG.

#### HAZARDOUS MATERIALS NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH LOCAL STATE AND FEDERAL REGULATIONS REGARDING TESTING FOR AND DISPOSAL OF HAZARDOUS MATERIALS DURING DEMOLITION.
- 2. HAZARDOUS MATERIAL MEANS ANY SUBSTANCE: (A) THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ACTION, POLICY OR COMMON LAW, OR (B) WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE", "HAZARDOUS SUBSTANCE" POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 USC SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 USC SECTIONS 6901 ET SEQ.), OR (C) WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR (D) THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR (E) WHICH CONTAINS GASOLINE, DIESEL FUEL, OR OTHER PETROLEUM HYDROCARBONS, OR (F) WHICH CONTAINS POLYCHLORINATED BIPHENYL (PCB'S), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
- CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TEST TRANSPORT, AND DISPOSE OF ALL HAZARDOUS MATERIALS (AS DEFINED HEREIN) IN COMPLIANCE WITH ALL CURRENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAW, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES. CODES, AND RULES OF COMMON LAW.
- 4. CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE. RELEASE, OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE, OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH A SPILL ON PERSONS OR PROPERTY.

#### PROJECT SAFTEY NOTES:

- THE CONTRACTOR SHALL BE SOLELY LIABLE FOR THE SAFETY OF THE WORK AND ANY AND ALL DAMAGES ARISING FROM THE CONSTRUCTION SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ASSURING THAT THE CONSTRUCTION MATERIALS AND METHODS ARE COMPLIANT WITH ALL APPLICABLE LOCAL, STATE OR FEDERAL SAFETY CODES, RULES, OR REQUIREMENTS.
- 2. THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER THIS ACT. THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
- 3. THE CONTRACTOR SHALL PROTECT AND KEEP THE OWNER (INCLUDING THEIR AGENTS, CONSULTANTS, AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, ETC. RESULTING FROM THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AS AMENDED.



**IMPROVEMENTS** 

**RAMP** 

LANDING

C-001 PROJECT 170001-004 SURVEY RBA ESC CNTY NUMBER 2019.013/L-4903 SHEET 01 OF XX

#### PAVING, GRADING AND DRAINAGE NOTES:

- L. ALL DRAINAGE STRUCTURES ARE TO BE TRAFFIC RATED UNLESS SPECIFICALLY NOTED OTHERWISE.
- 2. AFTER THE ROADWAY, DRIVEWAY, PARKING, DRIVE AISLES HAVE/HAS BEEN CONSTRUCTED TO SUBGRADE, THEY SHALL BE PROOF-ROLLED TO ASSURE THAT PROPER COMPACTION HAS BEEN ATTAINED. THE PROOF-ROLLING AND COMPACTION OPERATIONS SHALL BE INSPECTED AND TESTED BY A FLORIDA LICENSED GEOTECHNICAL ENGINEER TO ASSURE THAT THE SPECIFIED COMPACTION IS MAINTAINED AND ALL DELETERIOUS MATERIALS HAVE BEEN REMOVED.
- 3. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE A MINIMUM CLASS III, UNLESS OTHERWISE APPROVED OR NOTED ON THE PLANS OR SPECIFICATIONS.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR GRADING/PAVING ALL ROADWAYS TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE PROPOSED GRADES AND FLOW ARROWS ON THE PLANS. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE A SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. IF AN AREA OF POOR DRAINAGE IS OBSERVED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PAVING SO THAT A SOLUTION OR RECOMMENDATION FOR CORRECTION CAN BE MADE.
- 5. ALL STORMWATER JOINTS SHALL BE WRAPPED WITH FILTER FABRIC.
- 6. CONTRACTOR SHALL SCREED ALL SIDEWALKS 1/4" PER FOOT AWAY FROM THE BUILDING.
- 7. ALL HANDICAP ACCESSIBLE SIDEWALKS/ROUTES SHALL BE CONSTRUCTED TO LIMIT CROSS SLOPES TO 2.0% MAXIMUM.
- 8. ALL NEW AND EXISTING ROOF DRAINS, DOWNSPOUTS, OR GUTTERS SHALL BE DIRECTED TOWARDS PROPOSED/EXISTING STORMWATER SYSTEM AS SHOWN ON THE PLANS.
- 9. CONTRACTOR SHALL REFER TO MECHANICAL/ARCHITECTURAL PLANS FOR CONNECTIONS TO DOWNSPOUTS AND ROOF DRAINS AT THE FACE OF BUILDING.
- 10. SLOPES FOR PROPOSED PIPES FROM DOWNSPOUTS TO HEADER LINES SHOWN ON THE PLANS ARE TO BE CONSIDERED MINIMUM SLOPES. CONTRACTOR SHALL ADJUST PIPE SLOPES AS REQUIRED TO CONNECT TO ROOF DRAINS (PROPOSED AND EXISTING). CONTRACTOR SHALL NOTE FINAL SLOPES ON AS-BUILT DRAWING.
- 11. ALL NEW CURBING AND SIDEWALK SHALL ABUT/TIE-IN TO EXISTING CURBING AND SIDEWALK WITH A CONSTRUCTION JOINT. EXISTING EDGES SHALL BE CUT IN STRAIGHT LINES TO PRESENT A WORKMANLIKE CONNECTION. ABUTTING EDGES SHALL BE CONSTRUCTED FLUSH TO ELIMINATE TRIPPING HAZARDS.
- 12. AS A CONDITION OF THE ENVIRONMENTAL RESOURCE PERMIT, THE CONTRACTOR SHALL:
  - a. KEEP A COPY OF THE PERMIT ON SITE.
  - b. REVIEW THE PERMIT PRIOR TO CONSTRUCTION COMMENCEMENT.
  - c. PROVIDE A WEATHER-PROOF ENCLOSURE INCLUDING THE PERMIT NUMBER FACING THE ROAD ON
- 13. THE OWNER WILL BE RESPONSIBLE FOR MONITORING CONSTRUCTION AND SUBMITTING A NOTICE OF CONSTRUCTION COMMENCEMENT AND AN AS-BUILT CERTIFICATION FOR THE PROJECT UPON COMPLETION.

#### **RECORD DRAWING NOTES:**

- 1. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL OBTAIN A COPY OF THE MINIMUM REQUIREMENTS FOR AS-BUILT RECORD DRAWING ACCEPTANCE FOR THE AGENCY HAVING JURISDICTION (AHJ) SUCH AS A COUNTY OR CITY, AND/OR A UTILITY SERVICE PROVIDER. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THESE REQUIREMENTS AND PRODUCE AS-BUILT RECORD DRAWINGS THAT SUBSTANTIALLY COMPLY WITH OR EXCEED THESE REQUIREMENTS.
- 2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD REDLINE DRAWINGS DEPICTING THE AS-BUILT CONDITION AT LEAST TWO (2) WEEKS PRIOR TO REQUESTING A FINAL INSPECTION OF THE WORK TO BE CERTIFIED.
- 3. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW THE AS-BUILT CONDITIONS OF ALL WORK INCLUDING PIPING, FITTINGS, DRAINAGE STRUCTURES, POND TOPOGRAPHY, OUTLET STRUCTURE DIMENSIONS, GRADING, ELEVATIONS, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING A FINAL INSPECTION.
- 4. THE CONTRACTOR SHALL KEEP A DAILY SET OF AS-BUILT DRAWINGS WHILE THE WORK IS BEING DONE IS VISIBLE AND EXPOSED ACCORDING TO THE CRITERIA CONTAINED HEREIN.
- 5. THE OWNER RESERVES THE RIGHT TO REQUIRE THAT THE CONTRACTOR UNCOVER, RE-TEST, AND/OR PERFORM ANY ACTION NECESSARY TO ENSURE THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- 6. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING SUFFICIENT AS-BUILT INFORMATION TO CONVEY THAT THE CONSTRUCTION HAS BEEN COMPLETED WITHIN ACCEPTABLE TOLERANCES. AS-BUILT INFORMATION SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING:

#### A. SANITARY SEWER:

- 1) TOP ELEVATION OF ALL MANHOLE FRAME AND COVERS.
- 2) INVERT OF EACH LINE ENTERING AND EXITING EACH MANHOLE STRUCTURE.
- 3) LENGTH OF EACH RUN OF MAIN BETWEEN MANHOLES (MEASURED FROM CENTER TO CENTER OF MANHOLE)
- 4) PIPE SLOPE (GRADE) BETWEEN MANHOLES.
- 5) LOCATE ALL SERVICE WYES FROM THE DOWNSTREAM MANHOLE. PROVIDE A LATERAL DEPTH AT THE LOT LINE AS WELL AS AN OFFSET DISTANCE FROM THE MAIN.
- 6) LOCATE WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUTS, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.

#### B. STORM DRAINAGE:

- 1) TOP ELEVATION OF EACH STRUCTURE FRAME AND COVER AS WELL AS THE TOP ELEVATION OF ALL HEADWALLS, CONTROL STRUCTURES, ETC.
- 2) INVERT OF EACH LINE ENTERING AND EXITING EACH STRUCTURE.
- 3) INVERTS OF ALL PIPE OUTFALLS.
- 4) PIPE SLOPE (GRADE) BETWEEN STRUCTURES.
- 5) LENGTH OF RUN OF MAIN BETWEEN STORMWATER STRUCTURES (MEASURED FROM CENTER TO CENTER OF STRUCTURE)
- 6) PROVIDE DIMENSIONS AND INVERTS FOR ALL UNDERDRAINS INCLUDING FITTINGS AND CLEANOUTS.
- 7) POND TOPOGRAPHY:
  - i. CROSS-SECTIONS
  - ii. SAND CHIMNEY DIMENSIONS
  - iii. OVERFLOW STRUCTURE INFORMATION

8) LOCATE WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUT, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.

#### C. PRESSURE MAINS (WATER AND SEWER):

- 1) ACTUAL LENGTH OF PIPE BETWEEN EACH BRANCH OR VALVE IN RUN.
- 2) LOCATE ALL FITTINGS WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUT, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.
- 3) LIST THE DEPTH OF LINES AT ALL VALVES, FITTINGS, AND FIRE HYDRANTS.
- 4) DIMENSIONS WHICH CLEARLY DEMONSTRATE COMPLIANCE WITH MINIMUM SEPARATION DISTANCES OR REQUIRED PIPE UPGRADES (ENCASEMENT).

#### D. LIFT STATIONS:

- 1) TOP & SUMP ELEVATION OF WET WELL AND VALVE BOX.
- 2) INVERT OF ALL PIPES ENTERING WET WELL AS WELL AS FORCEMAIN PIPES EXITING.
- 3) FLOAT ELEVATIONS. (IF APPLICABLE)
- 4) YARD PIPING INFORMATION. (SEE PRESSURE MAINS ABOVE)

#### E. OTHER IMPROVEMENTS:

1) LOCATE BUILDINGS, SIDEWALKS, PAVEMENT, CURB AND GUTTER, ETC. AS APPLICABLE.

#### <u>LEGEND</u>

<u>LEGEN</u>	<u>u</u>		DENOTES ELEVATION CONTOUR LINE
<b>\Phi</b>	SET BENCHMARK	100	AT ONE FOOT INTERVALS
⋫	DENOTES LIGHT POLE	<del></del>	DENOTES CHAIN LINK FENCE
Ø	DENOTES WOOD UTILITY POLE	— // —	DENOTES WOOD PANEL FENCE
$\leftarrow$	DENOTES GUY WIRE ANCHOR		DENOTES METAL FENCE
₽	DENOTES MAILBOX	G	DENOTES BURIED GAS LINE
	DENOTES SINGLE SUPPORT SIGN	— w —	DENOTES BURIED WATER LINE
$\circ$	DENOTES TREE (SIZE AND TYPE NOTED)	—— они ——	DENOTES OVERHEAD UTILITIES
*	DENOTES PALM TREE		DENOTES VEGETATION LINE
0	DENOTES BUSH	ВМ	DENOTES BENCHMARK BY REBOL-BATTLE
0	DENOTES BOLLARD	ВОС	DENOTES BACK OF CURB
•	DENOTES PILING	DIA	DENOTES DIAMETER
	DENOTES WOOD POST	ELEV.	DENOTES ELEVATION
	DENOTES 24" DIA DROP INLET	EOP	DENOTES EDGE OF PAVEMENT
×	DENOTES UTILITY SPOT LOCATION (FLAG OR PAINT)	(F)	DENOTES FIELD INFORMATION
BFP	DENOTES BACK FLOW PREVENTER	I.D.	DENOTES IDENTIFICATION
cv	DENOTES COMMUNICATIONS VAULT	L1	DENOTES LINE NUMBER
$\bowtie$	DENOTES GAS VALVE	MHWL	DENOTES MEAN HIGH WATER LINE
(AS)	DENOTES BURIED GAS LINE MARKER	NAVD	DENOTES NORTH AMERICAN VERTICAL DATUM
<b>®</b>	DENOTES BURIED FIBER OPTIC CABLE MARKER	No.	DENOTES NUMBER
<b>™</b>	DENOTES IRRIGATION CONTROL VALVE	(P)	DENOTES PLAT INFORMATION
(P)	DENOTES TELEPHONE PEDESTAL	R/W	DENOTES RIGHT-OF-WAY
(W)	DENOTES MONITORING WELL		DENOTES WOOD DOCK
WM	DENOTES WATER METER	44	DENOTES CONCRETE
×	DENOTES WATER VALVE		DENOTES ASPHALT
+ 6.00	DENOTES SPOT ELEVATION		DENOTES GRAVEL
*	DENOTES SPRINKLER HEAD		DENOTES WETLANDS
	DENOTES BENCH	* * * * * * * * * * * * * * * * * * * *	DENOTES SEAGRASS

#### PROPOSED LEGEND

DENOTES PICNIC TABLE

	DENOTES NEW INLET
	DENOTES NEW PIPE
**************************************	DENOTES NEW CONCRETE PAVING
* * * * * * * * * * * * * * * * * * * *	DENOTES NEW ASPHALT PAVING
	DENOTES TREE PROTECTION
	DENOTES TREE REMOVAL
· -X-X-X-X	DENOTES SILT FENCE/TURBIDITY BARRIER
	DENOTES NEW WOOD DOCKS
TC	DENOTES TOP OF CURB
ВС	DENOTES BOTTOM OF CURB
TW	DENOTES TOP OF WALL
LP	DENOTES LOW POINT
FL	DENOTES FLUSH

├── DENOTES INLINE FLUSHING CONNECTION

**IMPROVEMENTS** 

C-002

PROJECT 170001-004

SURVEY RBA ESC CNT NUMBER 2019.013/L-4903

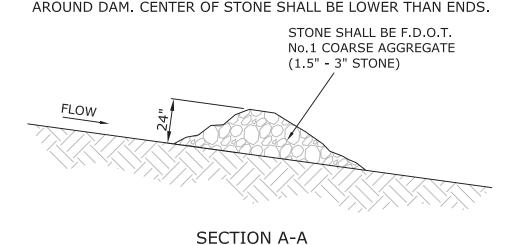
SHEET 02 of XX

# NOT TO SCALE

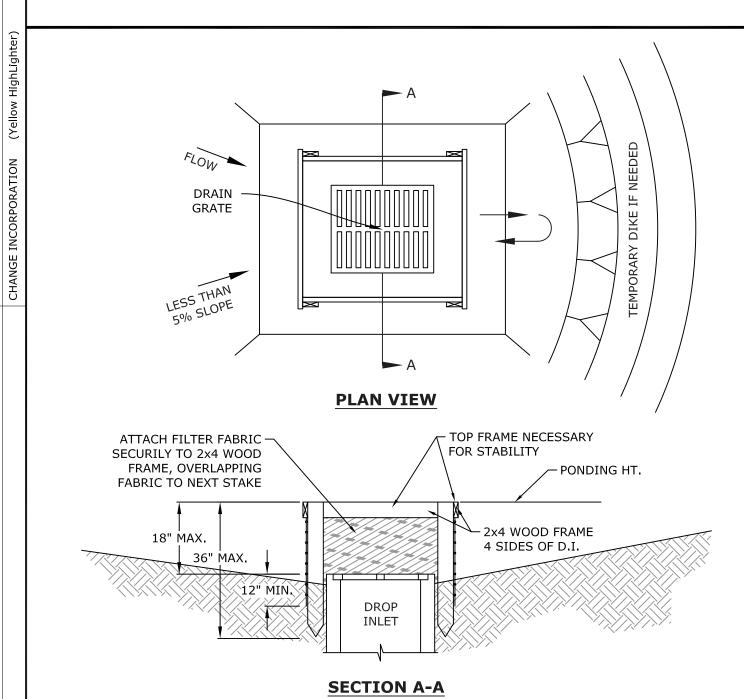
NATURAL OR SYNTHETIC HAY BALE DETAIL

## NOTE: KEY STONE INTO THE DITCH BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT OVER FLOW

VIEW LOOKING UPSTREAM



#### STONE CHECK DAM DETAIL

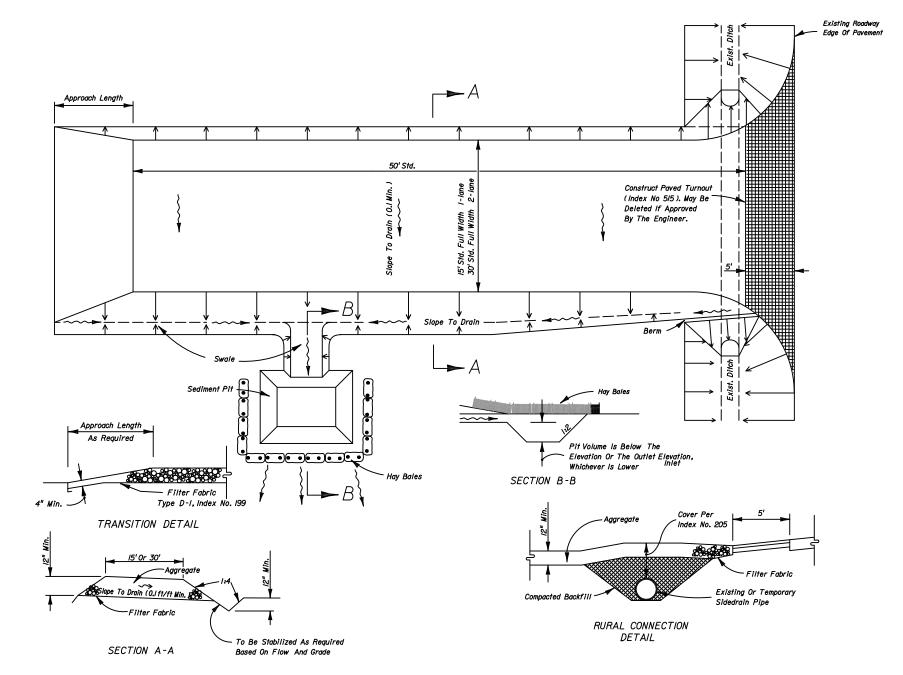


#### NOTE

- DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
- AREAS. (LESS THAN 5%)

  2. USE 2x4 WOOD OR EQUIVALENT METAL STAKES, (3 FT. MIN. LENGTH)
- 3. INSTALL 2x4 WOOD TOP FRAME TO INSURE STABILITY.
- 4. THE TOP OF THE FRAME (PONDING HEIGHT)
  MUST BE WELL BELOW THE GROUND ELEVATION
  DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY
  BE NECESSARY ON THE DOWNSLOPE SIDE OF
  THE STRUCTURE.
- 5. FILTER FABRIC SHALL BE PLACED AND MAINTAINED UNDER THE GRATE.

## SILT FENCE DROP INLET SEDIMENT BARRIER DETAIL NOT TO SCALE



#### GENERAL NOTES:

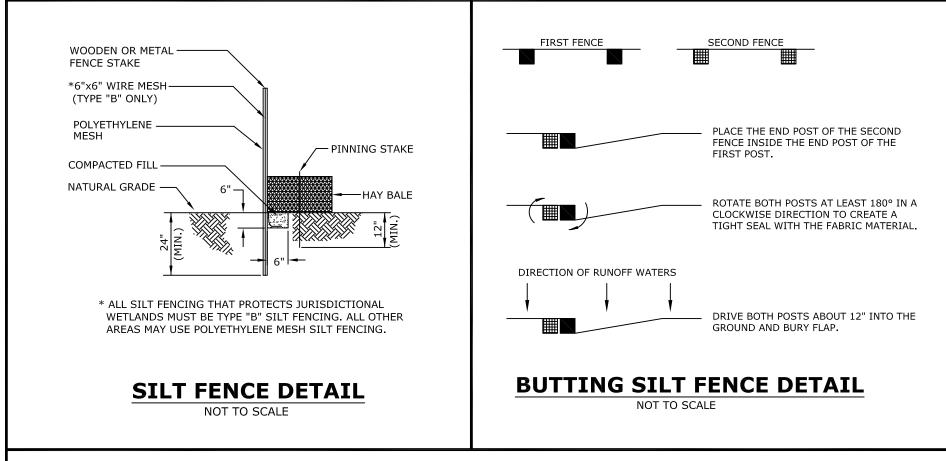
- 1. A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT APPROPRIATE LOCATIONS FOR POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE CONSTRUCTION PROJECT SHALL BE DIRECTED THRU A STPD. BARRIERS, FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STD.
- 2. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STPD AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
- 3. AGGREGATES SHALL BE AS DESCRIBED IN SECTION 901 OF THE F.D.O.T. STANDARD SPECIFICATIONS EXCLUDING 901-2.3. AGGREGATES SHALL BE F.D.O.T. SIZE #1. IF THIS SIZE IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE UNSUITABLE.
- 4. THE SEDIMENT PIT SHOULD PROVIDE A RETENTION VOLUME OF 3600 CUBIC FEET/ACRE OF SURFACE AREA DRAINING TO THE PIT. WHEN THE STPD IS ISOLATED FROM OTHER DRAINAGE AREAS, THE FOLLOWING PIT VOLUMES WILL SATISFY THIS REQUIREMENT: 15'x 50'=100 FT³ 30'x 50'=200 FT³
- 15'x 50'=100 FT<sup>3</sup> 30'x 50'=200 FT<sup>3</sup>
  AS AN OPTION TO THE SEDIMENT PIT, THE WIDTH OF THE SWALE BOTTOM CAN
  BE INCREASED TO OBTAIN THE VOLUME. WHEN THE SEDIMENT PIT OR SWALE IS
  USED, HAY BALES OR SILT FENCE SHALL BE PLACED ALONG THE ENTIRE LENGTH.

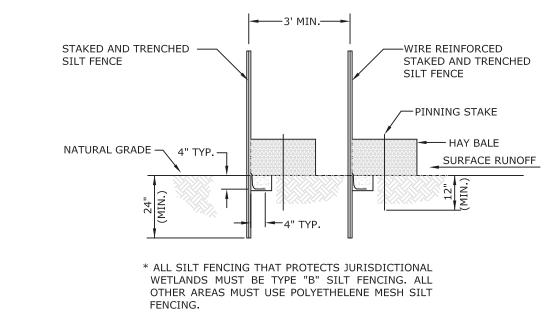
- 5. THE SWALE DITCH DRAINING THE STPD SHALL HAVE A 0.2% MINIMUM AND A 1.0% MAXIMUM GRADE ALONG THE STPD AND TO THE SEDIMENT PIT.
- MITRED END SECTIONS ARE NOT REQUIRED WHEN THE SIDEDRAIN PIPI SATISFIES THE CLEAR ZONE REQUIREMENTS.

   THE STPD SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO
- 7. THE STPD SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION. TO PREVENT OFFSITE TRACKING, THE STPD SHALL BE RINSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD DOWNWARD THRU THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STPD MAY BE REQUIRED TO LIMIT THE MUD TRACKED.
- 8. THE NOMINAL SIZE OF A STANDARD STPD IS 15'x 50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH STPD MAY BE USED IF APPROVED BY THE ENGINEER.

#### SOIL TRACKING PREVENTION DEVICE (CONSTRUCTION EXIT)

NOT TO SCALE





#### DOUBLE ROW STAKED SILT FENCE DETAIL

#### **EROSION AND SEDIMENT CONTROL NOTES:**

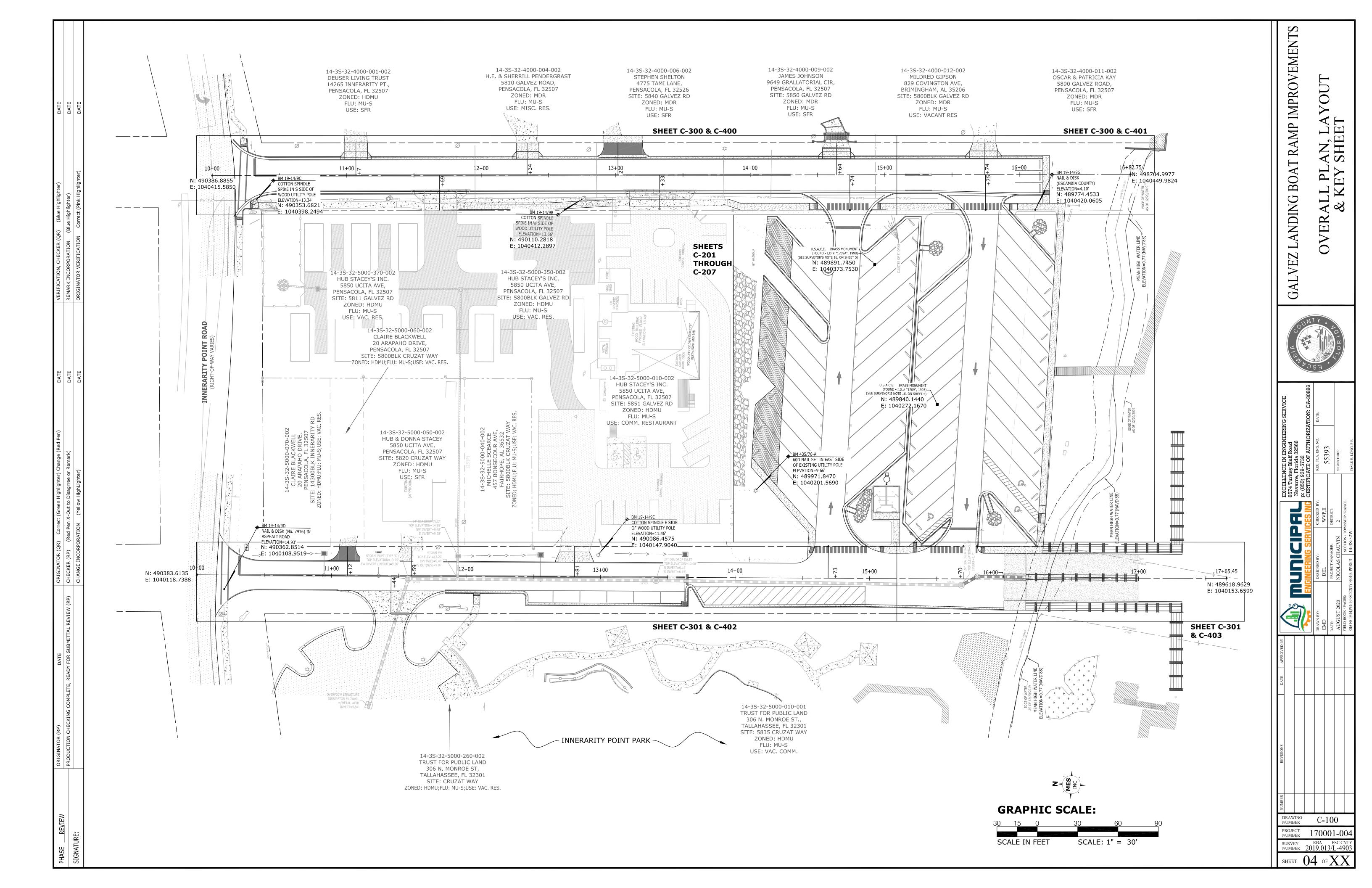
- 1. FOR ALL PROJECTS WHICH DISTURB MORE THAN ONE ACRE OF AREA, THE CONTRACTOR IS WHOLLY RESPONSIBLE FOR PREPARING, SUBMITTING, AND ACQUIRING THE FDEP/NPDES PERMIT, INCLUDING THE REQUIRED STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT TO FDEP NO LESS THAN 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THAT THE PROJECT COMPLIES WITH THE PERMIT CONDITIONS (INCLUDING THE REQUIRED NPDES INSPECTIONS AND DOCUMENTATION) AND APPLICABLE LOCAL, STATE, AND FEDERAL WATER QUALITY STANDARDS DURING CONSTRUCTION. THE CONSTRUCTION DOCUMENTS CONTAIN ONLY THE MINIMUM REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL. ANY AND ALL COSTS ASSOCIATED WITH OBTAINING THE NPDES PERMIT OR COMPLYING WITH THE PERMIT REQUIREMENTS SHALL BE BORNE BY THE CONTRACTOR.
- WHEN REQUIRED, THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A SWPPP ACCORDING TO EPA/FDEP CRITERIA TO MINIMIZE EROSION AND ENSURE PROPER FUNCTIONING OF THE STORMWATER MANAGEMENT SYSTEM UPON COMPLETION OF CONSTRUCTION. IN ADDITION TO MEETING EPA/FDEP NPDES CRITERIA, THE SWPPP SHALL BE SUBMITTED TO AND COMPLY WITH ANY REQUIREMENTS OF THE LOCAL AGENCY HAVING JURISDICTION. A COPY OF THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON SITE AT ALL TIMES FOR REVIEW AS MAY BE REQUIRED.
- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND ALL REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT.
- CONTRACTOR SHALL EXECUTE ALL MEASURES AND IMPLEMENT ALL BEST MANAGEMENT PRACTICES NECESSARY TO LIMIT THE TRANSPORTATION OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT. THE EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MUST REMAIN IN SATISFACTORY OPERATION UNTIL THE PROJECT IS FULLY COMPLETED AND ACCEPTED AND UNTIL THE PERMANENT EROSION CONTROL MEASURES ARE ESTABLISHED AND CAPABLE OF PROVIDING EROSION AND SILTATION CONTROL. CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE ON TEMPORARY EROSION CONTROL MEASURES AT HIS EXPENSE. CONTRACTOR SHALL CONTINUALLY MONITOR WEATHER AND SITE CONDITIONS AND SHALL PROVIDE CONTINUOUS MONITORING OF EROSION AND SEDIMENT CONTROLS AND SHALL DOCUMENT ALL CORRECTIVE MEASURES.
- . INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENTATION RESULTING FROM SURFACE RUNOFF UNTIL COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CAUSE SEDIMENT TO RUNOFF. FILTER FABRIC SHALL BE PLACED AND MAINTAINED UNDER THE GRATE AND FILTER SOCKS SHALL BE PLACED IN FRONT OF THE THROAT OF CURB INLETS, DURING CONSTRUCTION AND SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT CONSTRUCTION.
- REQUIRED, UNLESS NOTED OTHERWISE. SOD PINS SHALL BE SEEDED, FERTILIZED AND MULCHED, HYDROSEEDED, OR SODDED AS ESTABLISHED SOD OR GROUND COVER SHALL BE REPLACED IN KIND TO MATCH THE EXISTING CONDITIONS PRIOR TO CONSTRUCTION COMMENCEMENT.
- . PERMANENT GRASSING SHALL BE INSTALLED AND MAINTAINED ON ALL EXPOSED SLOPES AND DISTURBED AREAS WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION, OR TURBID DISCHARGES. A VEGETATIVE COVER THAT STABILIZES AND PREVENTS EROSION SHALL BE ESTABLISHED WITHIN 60 DAYS OF PERMANENT GRASSING INSTALLATION. UPON ESTABLISHMENT OF A SUBSTANTIAL VEGETATIVE COVER, ALL TURBIDITY BARRIERS AND EROSION CONTROL MEASURES SHALL BE REMOVED.
- 8. ALL EROSION AND SEDIMENT CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORMWATER TREATMENT SET FORTH IN SECTION 62-40.432, OF THE FLORIDA ADMINISTRATIVE CODE, AS WELL AS THE APPLICABLE STORMWATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF FDEP, THE APPLICABLE WATER MANAGEMENT DISTRICT, THE US ENVIRONMENTAL PROTECTION AGENCY AND THE GUIDELINES CONTAINED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (LATEST VERSION).
- P. TEMPORARY SEDIMENT CONTROL MEASURES INCLUDE, BUT ARE NOT LIMITED TO: SILT FENCING; CONSTRUCTION OF SEDIMENT CHECK DAMS; CONSTRUCTION EXITS, FLOATING TURBIDITY CURTAINS, FILTER SOCKS; SEEDING AND MULCHING, ETC. PERMANENT SEDIMENT CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO: PERMANENT GRASSING; EROSION BLANKETS; RIP RAP, ETC. MINIMUM STABILIZATION MEASURES ARE DETAILED ON THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL INCLUDE ANY AND ALL MEASURES NECESSARY TO STABILIZE THE SITE, CONTROL EROSION, AND PREVENT SEDIMENT FROM ESCAPING THE SITE. THE CONTROL OF EROSION ON THE SITE COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
- 10. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION. TEMPORARY STABILIZATION MEASURES SHALL BE IN PLACE IMMEDIATELY FOLLOWING CLEARING, BACKFILLING AND/OR GRADING OPERATIONS.
- 11. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- 12. CLEANUP WILL BE DONE IN A MANNER TO INSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.
- 13. THE PROJECT WILL BE CONTINUALLY INSPECTED FOR SOIL EROSION AND SEDIMENT CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR WITHIN 24 HOURS.
- 14. TEMPORARY EROSION CONTROL MEASURES SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR UPON ESTABLISHMENT OF PERMANENT CONTROL MEASURES OR WHEN DIRECTED BY THE OWNER.
- 15. THE CONTRACTOR SHALL RESTORE ALL DISTURBED RIGHTS-OF-WAY IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, OR THE REQUIREMENTS OF THE LOCAL AGENCY HAVING JURISDICTION (AHJ).
- 16. THE CONTRACTOR SHALL COMPLETE SITE RESTORATION AS THE PROJECT PROGRESSES
- 17. THE OWNER SHALL SEND A COPY OF THE FDEP/NPDES NOTICE OF INTENT TO THE LOCAL BUILDING DEPARTMENT UPON RECEIPT, AS APPLICABLE.
- 18. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN A CODE ENFORCEMENT VIOLATION.
- 19. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING TRACKING OF SOIL FROM THE SITE ONTO ADJACENT ROADWAYS. IN ADDITION TO THE INSTALLATION OF A CONSTRUCTION EXIT THE CONTRACTOR WILL BE RESPONSIBLE FOR SWEEPING ROADWAYS AS REQUIRED.
- 20. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY IN SURROUNDING WATERS INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING BODY OF WATER EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING THE BARRIERS AND ANY ACCUMULATED SILT AT THE COMPLETION OF CONSTRUCTION AND PERMANENT STABILIZATION. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS OF THE FLORIDA ADMINISTRATIVE CODE.
- 21. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST AND OTHER AIRBORNE POLLUTANTS DURING CONSTRUCTION. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AT THE CONTRACTOR'S DISCRETION.

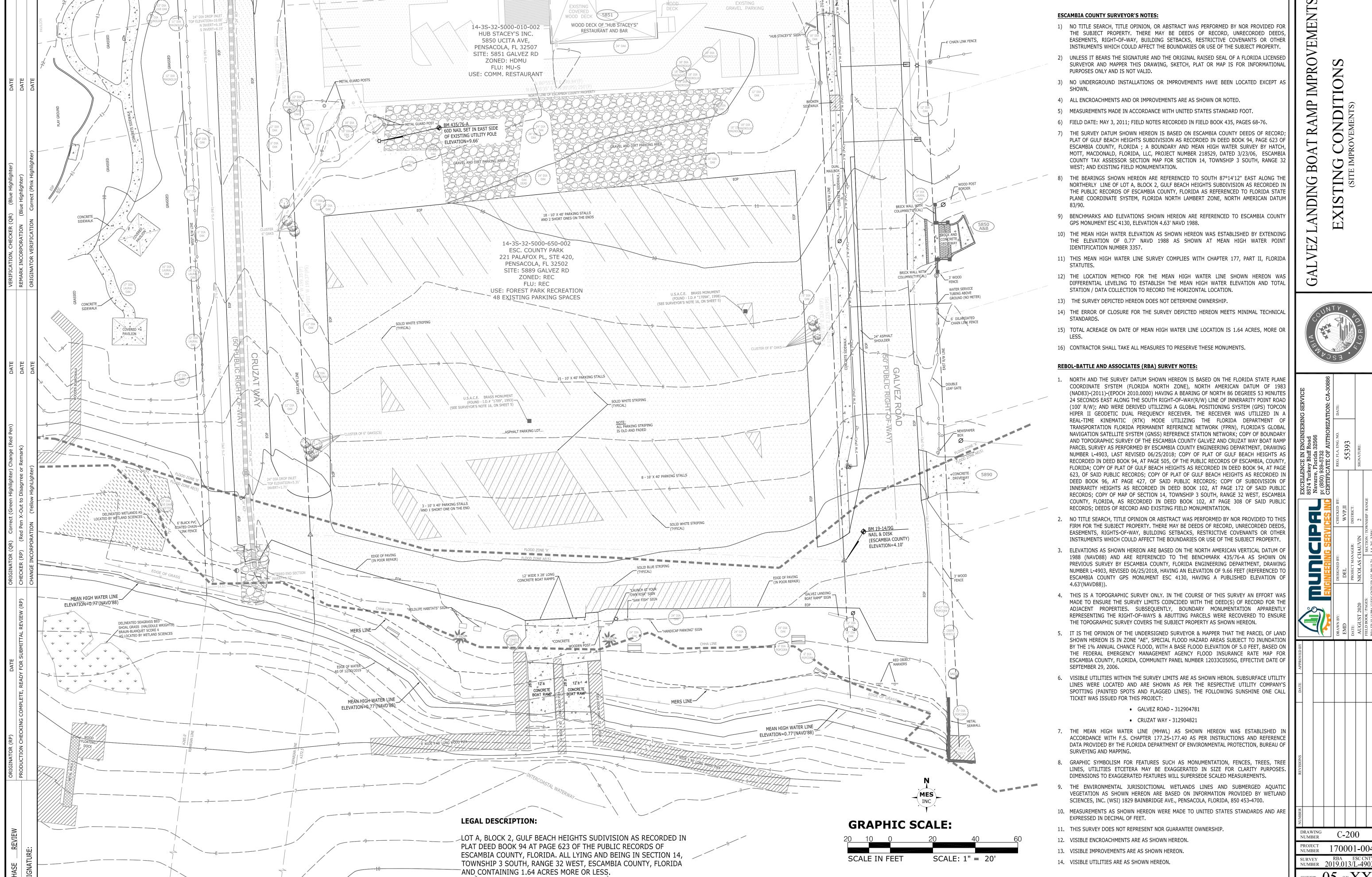
EMENT

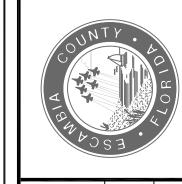
**IMPROVI** 

RAMP

ANDING







3					EXCELLE	EXCELLENCE IN ENGINEERIN	_
				J	9214 1urk	oo14 turkey blun koad	
				J	Navarre, Florida p: (850) 939-5732	Navarre, Florida 32566 o: (850) 939-5732	
	SE S	JINEERIN	<b>G SERVI</b>	<b>CES INC</b>	CERTIFIC	CERTIFICATE OF AUTHORIZA	
	DRAWN BY:	DESIGNED BY:		CHECKED BY:		REG. FLA. ENG. NO.	ı
	EMD	DEL		WVP II			
	Line	DID		11, 1 , 1,		55303	
	DATE:	PROJECT MANAGER:	AGER:	DISTRICT:			- 1
	AUGUST 2020	NICOLAS CHAUVIN	HAUVIN	2		SIGNATURE:	
	FIELD BOOK / PAGES:		SECTION / TOW	SECTION / TOWNSHIP / RANGE			
	RBA FB 19-14,PP4-13/ESC CNTY FB 435, PP 68-74 14-3S-32W	FB 435, PP 68-74	14-3S-32W			DALE E. LONG, P.E.	

#### **DEMOLITION AND CLEARING NOTES:**

- TREES SLATED FOR PROTECTION SHALL BE MARKED AND TREE PROTECTION BARRICADES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES. NO PROTECTED TREES SHALL BE REMOVED, DESTRUCTIVELY DAMAGED, MUTILATED, RELOCATED, DISFIGURED, DESTROYED, CUT DOWN OR EXCESSIVELY PRUNED DURING CONSTRUCTION ACTIVITIES.
- 2. NO GRADING OR CLEARING BY, OR STORAGE OF HEAVY EQUIPMENT SHALL OCCUR WITHIN THE DRIP LINE OF PROTECTED TREES OR WITHIN ENVIRONMENTALLY SENSITIVE AREAS.
- 3. TREE PROTECTION BARRICADES OR EQUIVALENT PROTECTIVE MEASURES WILL BE CONSTRUCTED ACCORDING TO THE LOCAL JURISDICTION'S CRITERIA FOR TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION.
- 4. CONTRACTOR SHALL TAKE EXTREME CARE TO REMOVE ONLY TREES AND VEGETATION ABSOLUTELY NECESSARY FOR THE CONSTRUCTION OF THIS WORK. LANDSCAPE SHRUBS AND TREES THAT ARE REMOVED AS PART OF THIS WORK, SHALL BE REPLANTED AFTER CONSTRUCTION, IF POSSIBLE. IF LANDSCAPE SHRUBS OR TREES CANNOT BE REPLANTED, THE CONTRACTOR SHALL PROVIDE NEW LANDSCAPE SHRUBS OR TREES EQUAL TO OR BETTER THAN THOSE REMOVED IN SIZE
- 5. ALL TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED AROUND EACH PROTECTED TREE OR GROUPING OF PROTECTED TREES SHOWN TO REMAIN ON SITE AND PRIOR TO ANY SITE DISTURBANCE. TREE PROTECTION MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND THE SITE IS STABILIZED.
- 6. THE CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES THAT ARE TO BE SAVED, WHETHER SHOWN ON THE PLANS OR DESIGNATED IN THE FIELD. NO GRUBBING SHALL OCCUR WITHIN EIGHT (8) FEET OF THE
- 7. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE
- PROPOSED WORK WITHIN EIGHT (8) FEET OF SPECIMEN TREES TO REMAIN, WILL REQUIRE THE ADVANCED PRE-TREATMENT OF EACH IMPACTED TREE BY A QUALIFIED ARBORIST OR THE LANDSCAPE ARCHITECT TO MINIMIZE THE POTENTIALLY ADVERSE IMPACTS OF CONSTRUCTION. HAND DIGGING MAY BE REQUIRED WITHIN THE CRITICAL ROOT OF PROTECTED TREES.
- 9. IN AREAS REQUIRING FILL MATERIAL, THE CONTRACTOR SHALL STRIP OR OTHERWISE REMOVE ALL VEGETATION SUCH AS BRUSH, HEAVY SOD, HEAVY GROWTH OF GRASS, DECAYED VEGETATION MATTER, RUBBISH AND ANY OTHER DELETERIOUS MATERIAL BEFORE EMBANKMENT IS PLACED. IMMEDIATELY PRIOR TO THE PLACING OF FILL MATERIAL, THE ENTIRE AREA UPON WHICH FILL IS TO BE PLACED, SHALL BE SCARIFIED IN A DIRECTION APPROXIMATELY PARALLEL TO THE AXIS OF FILL. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE AREA PRIOR TO THE PLACEMENT OF FILL.
- 10. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CLEARLY DESIGNATE THE LIMITS OF CONSTRUCTION ON-SITE. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE THE LIMITS OF CONSTRUCTION. IN AREAS WHERE NO WORK IS PROPOSED THE CONTRACTOR SHALL PROTECT THE TOPOGRAPHY, THE SOIL, AND THE VEGETATION.
- \_11. WHERE DEMOLITION REQUIREMENTS LEAVE OPEN TRENCHES, PITS OR OTHER VOIDS, PROVIDE CLEAN FILL AND COMPACTION PER THE SPECIFICATIONS, THE GEOTECHNICAL REPORT OR OTHER REQUIREMENTS.
- 12. REMOVAL OF EXISTING PAVED SURFACES INCLUDES REMOVAL OF EXISTING BASE OR SOIL MATERIALS SUFFICIENTLY TO CONSTRUCT THE NEW SURFACE IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
- 13. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- 14. ALL ASPHALT AND CONCRETE SHALL BE SAW CUT AT EDGES TO REMAIN. REMAINING EDGES SHALL BE PROTECTED AT THE
- 15. CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS WHILE REMOVING OR REPAIRING ANY EXISTING STORM
- 16. DEMOLITION WORK SHALL BE COORDINATED WITH EACH PHASE OF THE WORK. DO NOT PROCEED WITH ANY DEMOLITION
- UNTIL SPECIFICALLY AUTHORIZED BY OWNER. 17. CONTRACTOR SHALL ROUGH IN STORMWATER POND(S) IMMEDIATELY FOLLOWING CLEARING AND PRIOR TO ANY OTHER
- CONSTRUCTION ACTIVITIES.
- STATE AND FEDERAL LAWS. IF SPOILS ARE TO BE STORED ON SITE EITHER TEMPORARILY OR PERMANENTLY, THE STORAGE LOCATION SHALL BE AN UPLAND AREA APPROVED BY THE OWNER AND ENGINEER. THE SPOILS SHALL BE PREVENTED FROM ERODING WITH THE USE OF SILT FENCING AND GRASSING AS APPROPRIATE.
- 19. THESE PLANS SHOW NEW IMPROVEMENTS TO HUB STACEY'S PROPERTY AS PROVIDED BY DAVID W. FITZPATRICK PROFESSIONAL ENGINEER, PA ON FEBRUARY 20, 2020. IT IS ASSUMED THAT THE WORK PROPOSED ON HUB STACEY'S PROPERTY WILL BE COMPLETED PRIOR TO THE WORK PROPOSED ON THIS SET OF PLANS.
- 20. FOR PROPOSED DEMOLITION WORK WITHIN THE RIGHT-OF-WAY OF CRUZAT WAY AND GALVEZ ROAD (SEE SHEETS C-300 & C-301).
- 21. IN AREAS WHERE EXISTING VEGETATION IS PROPOSED TO REMAIN UNDISTURBED, THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY ARBORIST AND THE LANDSCAPING PLANS FOR THINNING, PRUNING AND UNDER BRUSH REMOVAL REQUIREMENT.

#### **TREE CHART**

TREE	COMMON	DIAMETER AT	ТО ВЕ	DIAMETER
NO.	NAME	DBH (Inches)	REMOVED	REMOVED
1	PALM	12	NO	0
2	LIVE OAK	12	NO	0
3	LIVE OAK	12	NO	0
4	PALM	12	NO	0
5	LIVE OAK	24	NO	0
6	LIVE OAK	24	NO	0
7	LIVE OAK	24	NO	0
8	LIVE OAK	24	NO	0
9	POPCORN	6	YES	N/A
10	POPCORN	6	YES	N/A
11	6" OAK CLUSTER	13	YES	13
12	POPCORN	6	YES	N/A
13	LAUREL OAK	12	YES	12
14	LIVE OAK	12	NO	0
15	LIVE OAK	12	NO	0
16	LAUREL OAK	12	NO	0
17	LAUREL OAK	12	NO	0
18	MAGNOLIA	18	NO	0
19	OAK	18	NO	0
20	LAUREL OAK	12	YES	12
21	LAUREL OAK	12	YES	12
22	LIVE OAK	24	NO	0
23	LIVE OAK	24	YES	DEAD
24	LIVE OAK	24	YES	POOR COND
25	LIVE OAK	24	YES	24
26	LAUREL OAK	12	NO	0
27	LAUREL OAK	12	NO	0
28	SAND LIVE OAK	24	NO	0
29	MAGNOLIA	18	NO	0
30	MAGNOLIA	18	NO	0
31	8" LIVE OAK CLUSTER	21	NO	0
32	LIVE OAK	6	NO	0

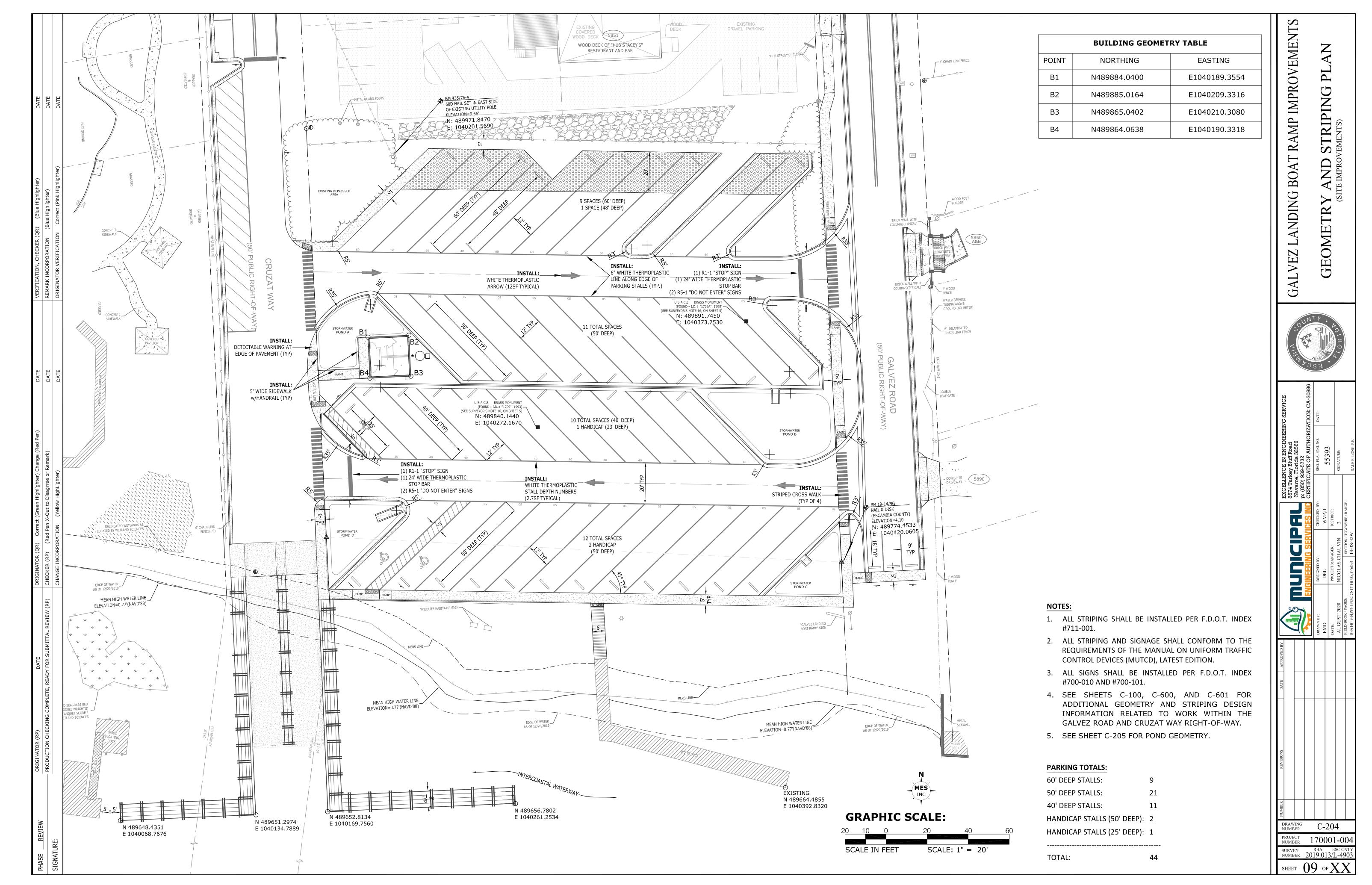
NOTE: THAT TREES LOCATED WITHIN THE GALVEZ OR CRUZAT RIGHT-OF-WAY NORTH OF THE GALVEZ LANDING NORTH PROPERTY LINE ARE NOT INCLUDED IN THIS CHART.

> CALIPER INCHES TOTAL INCHES OF DIAMETER REMOVED = **CALIPER INCHES** MINIMUM REQUIRED REPLACEMENT DIAMETER = LIMITS OF CONSTRUCTION AREA = 1.63 CALIPER INCHES

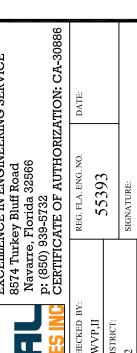
REPLACEMENT LIMIT DIAMETER = CALIPER INCHES 41 (25 CALIPER INCHES PER DEVELOPMENT SITE ACRE DSM 2-5.2(C)) TOTAL REQUIRED REPLACEMENT DIAMETER =

C-201 170001-00 SURVEY RBA ESC CN1 NUMBER 2019.013/L-490

M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\55 Grading and Drainage Plan.dwg, 08, 8/11/2020 12:47:08 PM



M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\60 Geometry Plan.dwg, 9, 8/11/2020 12:48:14 PM





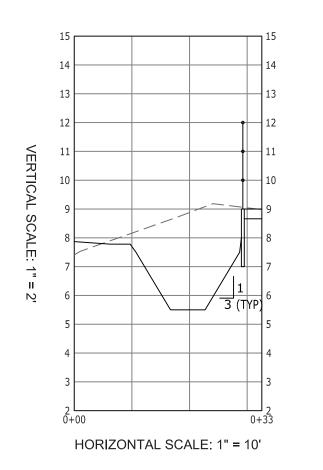
<b>\</b>	0	<b>PAT</b>	DRAWN BY:	DATE:	AUGUST 2020	EIDI D DOOR / DAACES.
APPROVED BY						
DATE						
SNO						

C-205

PROJECT 170001-004

SURVEY RBA ESC CNTY NUMBER 2019.013/L-4903

STO	RMWATER POND A - C	ENTER POINT LIST
POINT	NORTHING	EASTING
A1	N489870.4224	E1040194.9417
A2	N489882.8459	E1040185.4090
А3	N489871.6607	E1040181.9509
A4	N489870.9740	E1040168.0121
A5	N489885.5199	E1040167.2955
A6	N489901.7240	E1040191.2064
A7	N489887.7937	E1040204.7018

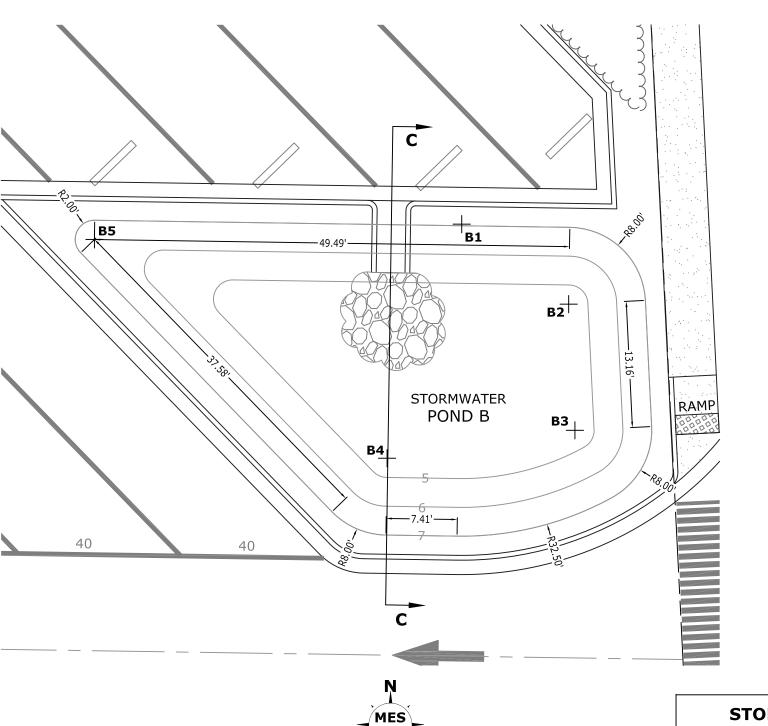


#### **POND SECTION A-A**

#### **POND SECTION B-B**

#### **STORMWATER POND NOTES:**

1. POND BOTTOM AND SIDE SLOPES SHALL BE STABILIZED WITH SOD. SOD SHALL EXTEND BEYOND TOP OF POND A MINIMUM OF FIVE (5) FEET. SOD INSTALLED ON SLOPES STEEPER THAN 3:1 SHALL BE PINNED.



**GRAPHIC SCALE:** 

SCALE: 1" = 30'

SCALE IN FEET

R2.00:

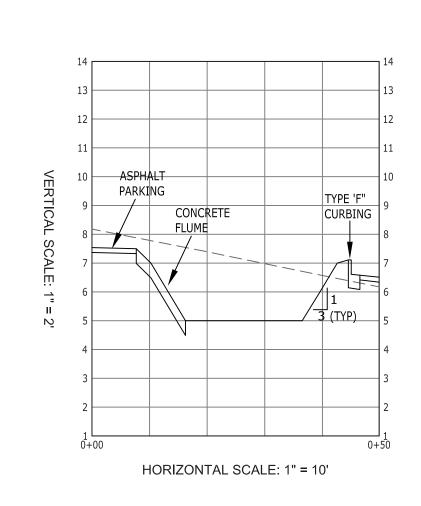
STÓRMWATER / POND A 🗞

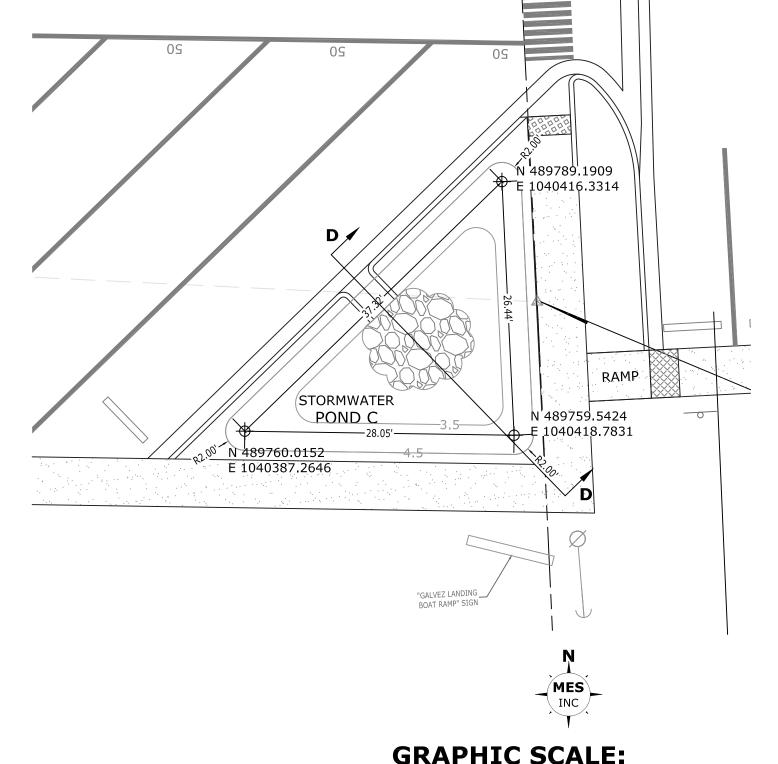
RAMP

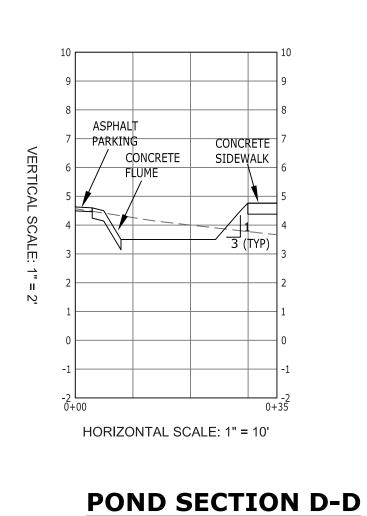
**GRAPHIC SCALE:** 

SCALE: 1'' = 30'

SCALE IN FEET







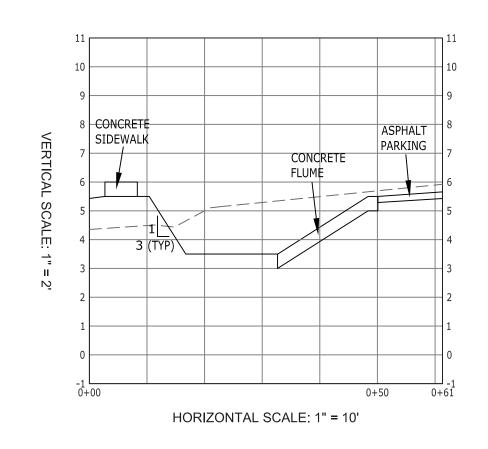
CONCRETE

HORIZONTAL SCALE: 1" = 10'

POND	<b>SECTION</b>	C-C

STORMWATER POND B - CENTER POINT LIST					
POINT	NORTHING	EASTING			
B1	N489856.7460	E1040395.2678			
B2	N489848.4098	E1040406.4098			
В3	N489835.2684	E1040407.0560			
B4	N489832.3603	E1040387.4934			
B5	N489855.1412	E1040357.0077			

G	RAF	HIC	SCALE	:	
1 <u>0</u>	5	0	10	20	3(
SC	ALE II	N FEET	SCA	LE: 1" = 30	)'



#### POND SECTION E-E

#### **STORMWATER POND NOTES:**

1. POND BOTTOM AND SIDE SLOPES SHALL BE STABILIZED WITH SOD. SOD SHALL EXTEND BEYOND TOP OF POND A MINIMUM OF FIVE (5) FEET. SOD INSTALLED ON SLOPES STEEPER THAN 3:1 SHALL BE PINNED.

RAMP IMPROVEMENTS

METRY (SITE IMPROVE

 DRAWING NUMBER
 C-206

 PROJECT NUMBER
 170001-004

 SURVEY NUMBER
 RBA ESC CNTY 2019.013/L-4903

LVEZ LANDING BOAT RAMP IM

H

ESCAMO BE CONTY

TEGATE OF AUTHORIZATION: CA-30886

TEG. FLA. ENG. NO.

55393

SIGNATURE:

| P: (850) 939-5732 | P: (

ENGINEERING SERVICES IN

DESIGNED BY:

DEL

WVP,II

PROJECT MANAGER:

DISTRICT:

NICOLAS CHAUVIN

2

SECTION / TOWNSHIP / RAI

DRAWN E
EMD
DATE:
AUGUJ

REVISIONS DATE

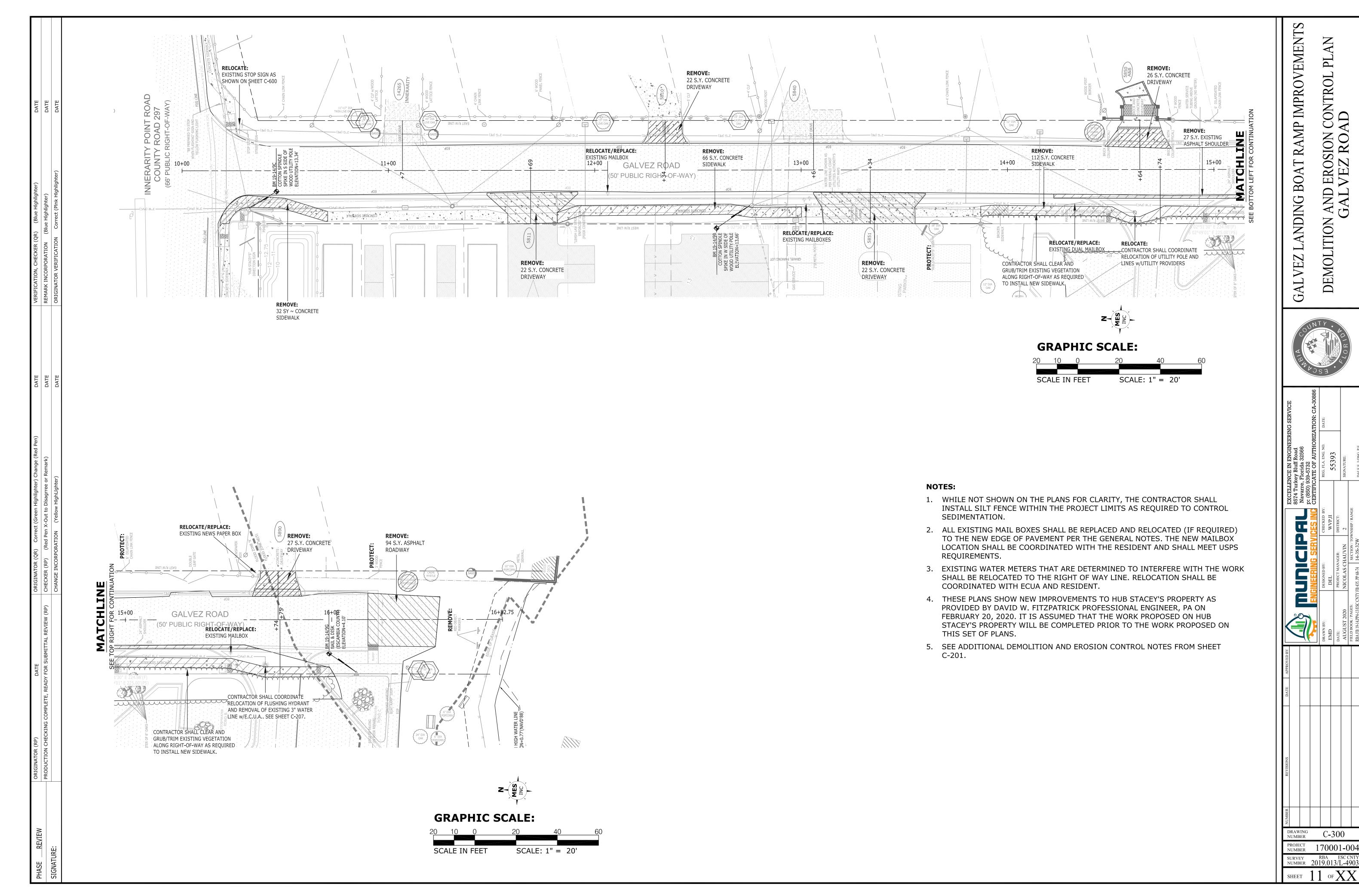
DRAWING NUMBER C-207

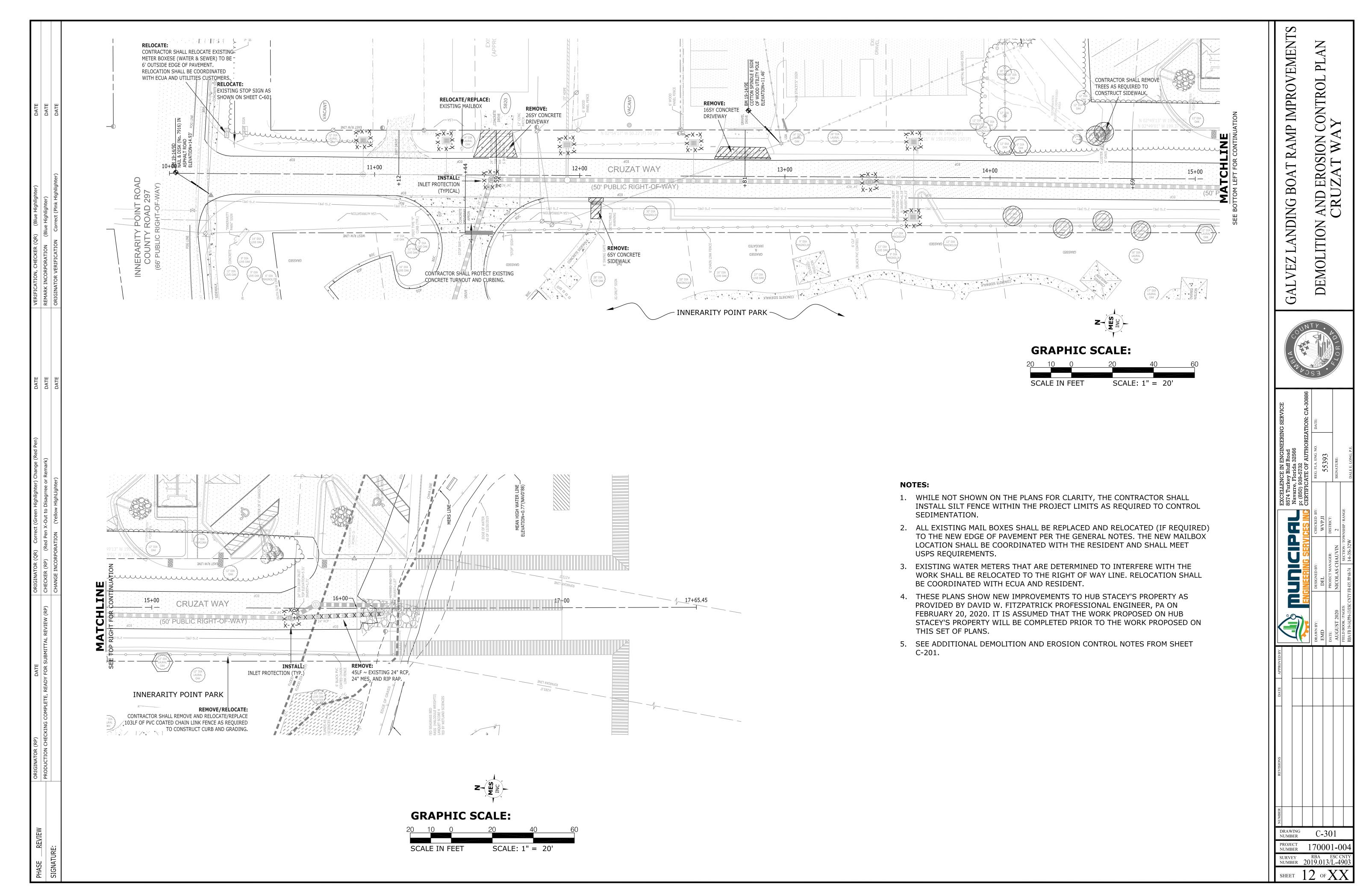
PROJECT 170001-004

 NUMBER
 1 / 0001-004

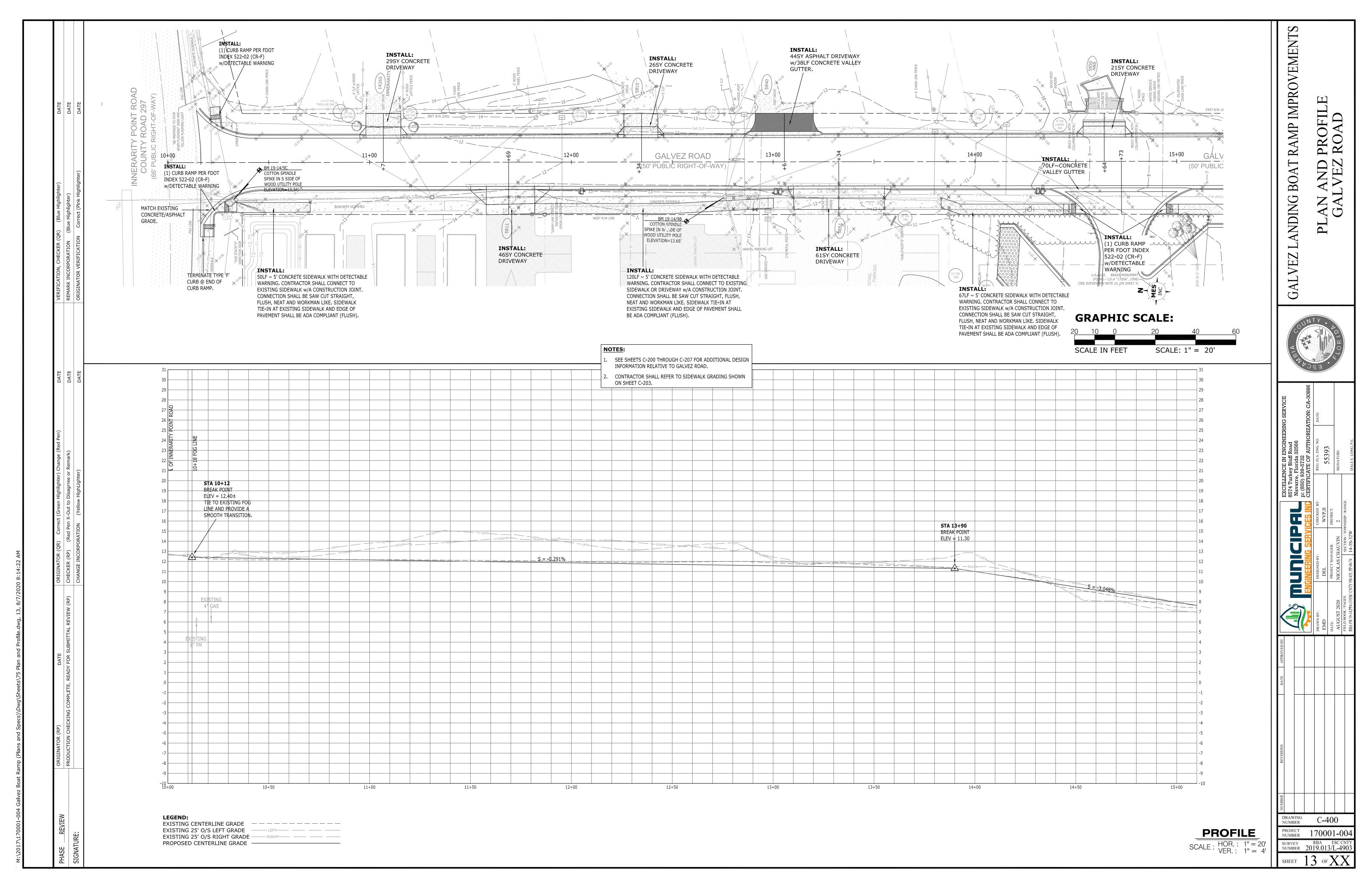
 SURVEY NUMBER
 RBA ESC CNTY 2019.013/L-4903

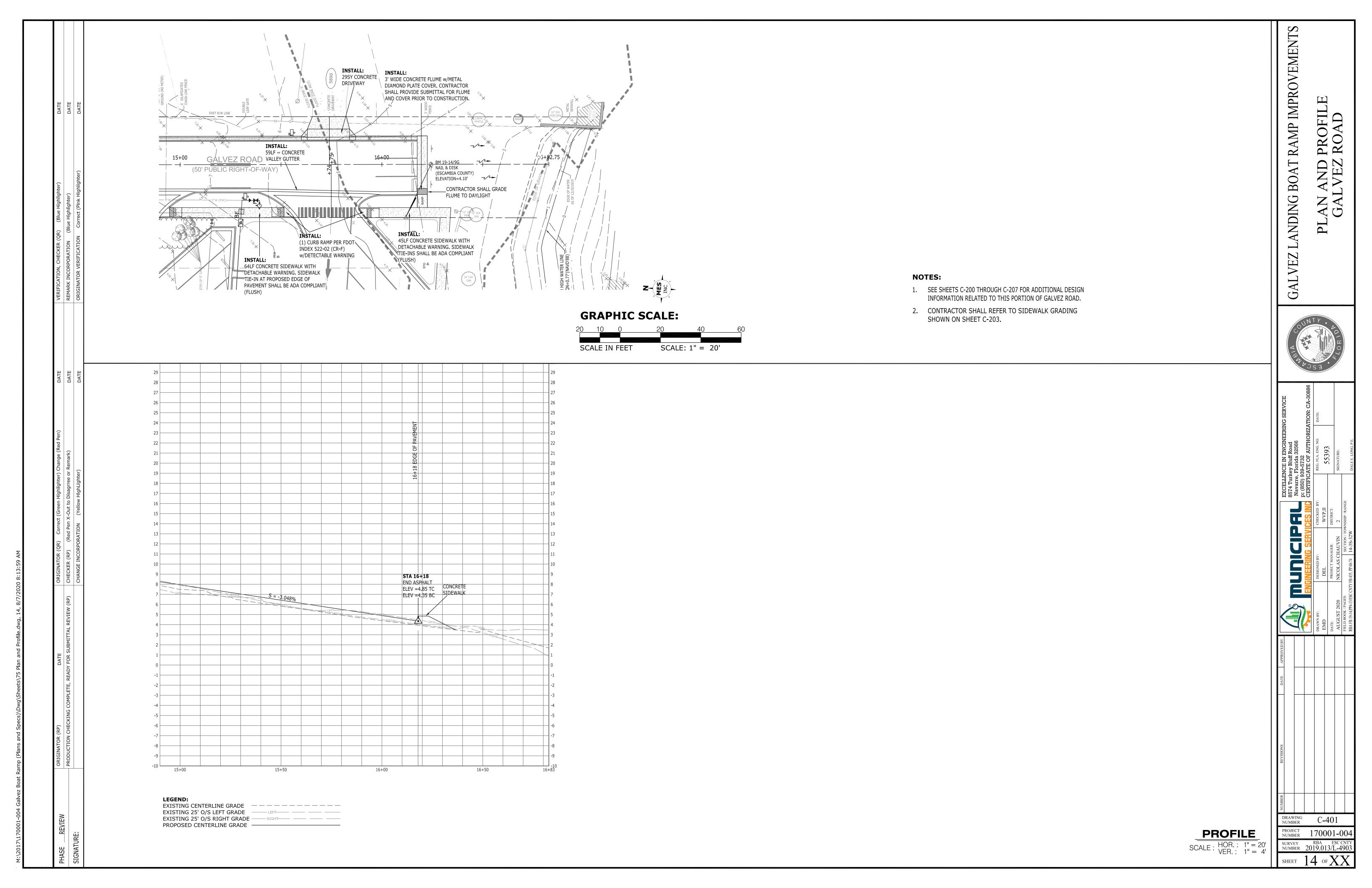
 The survey Number 2019.013/L-4903

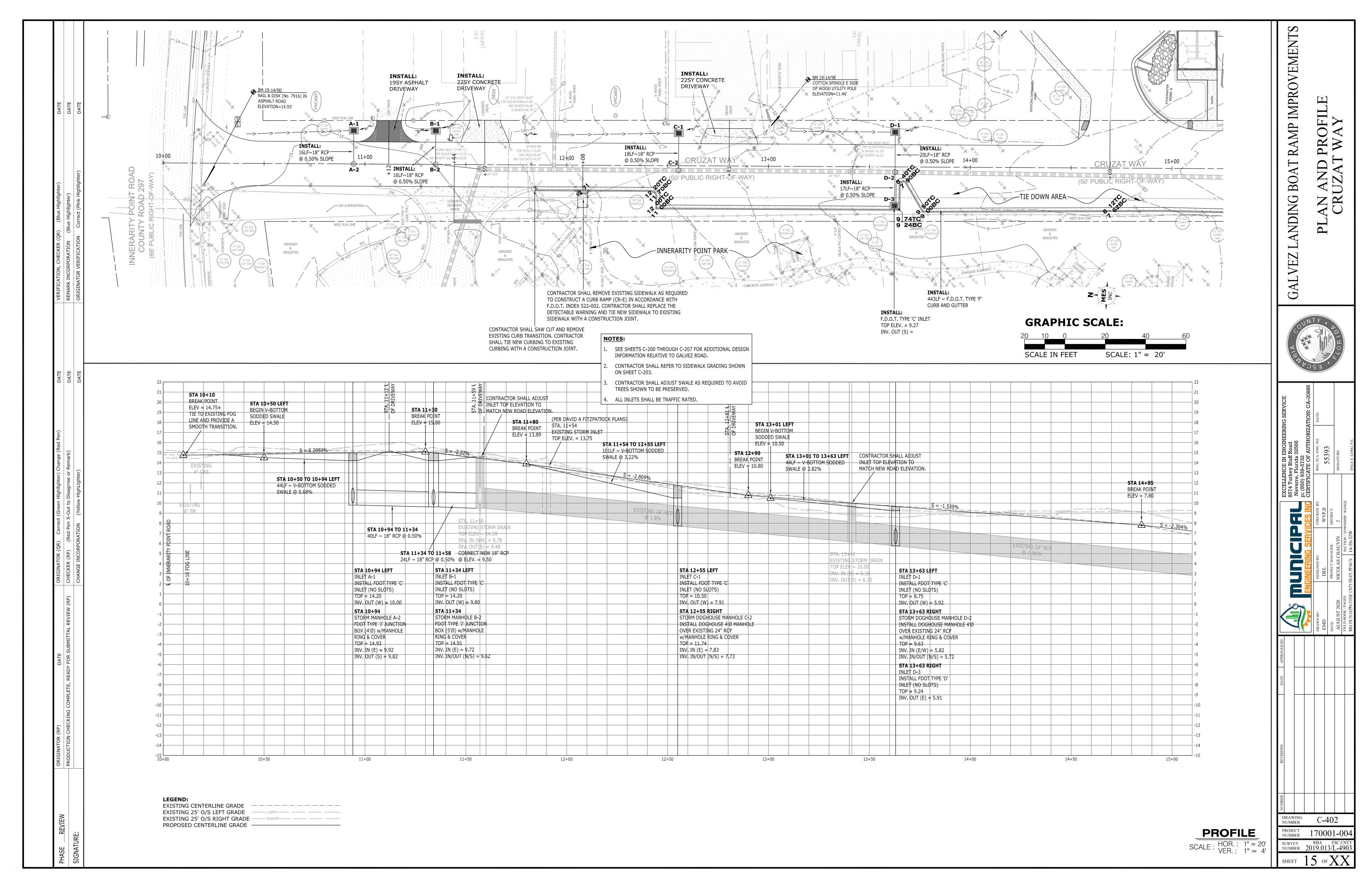


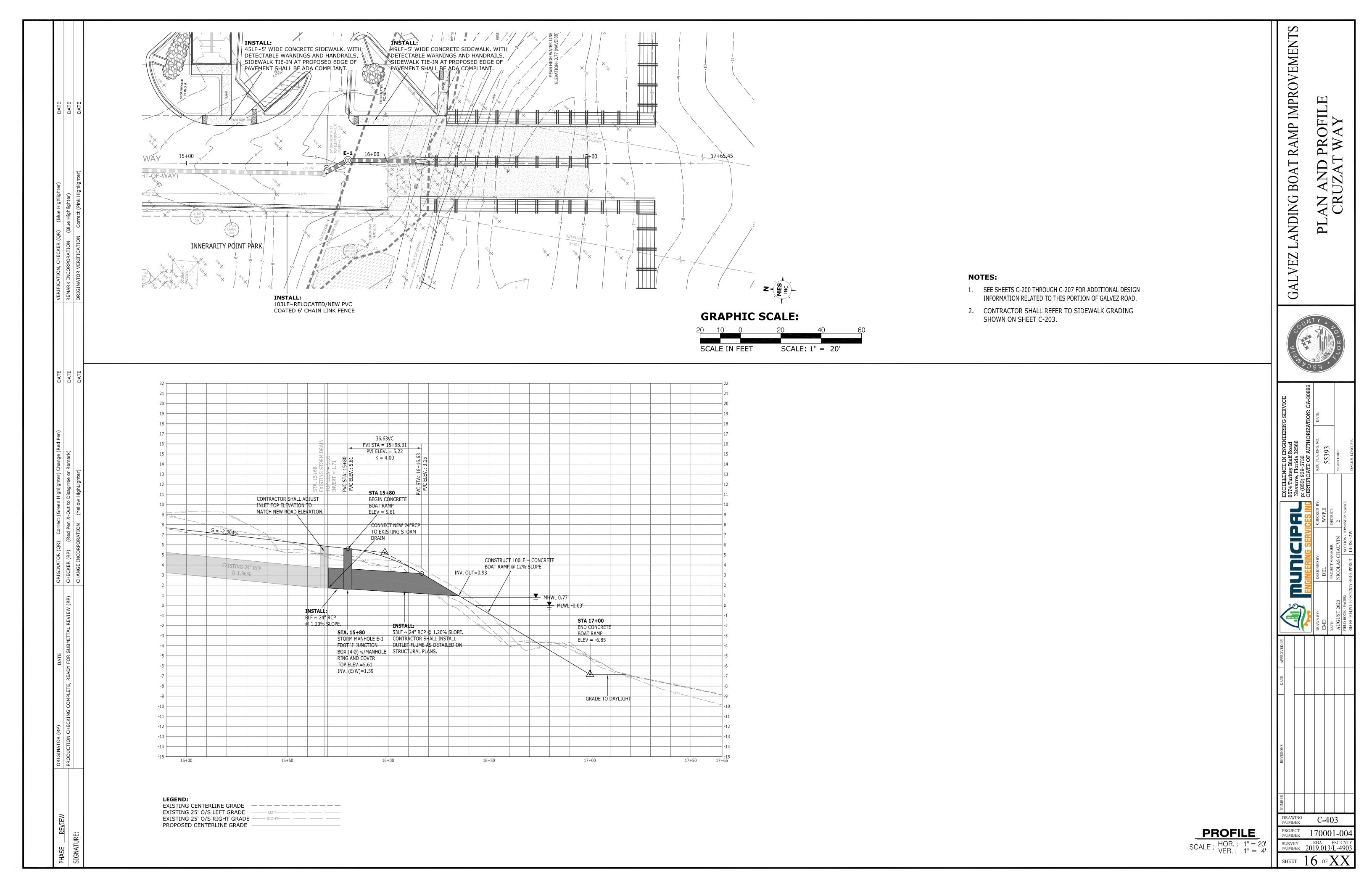


M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\70 Demo and Erosion Control - Galvez and Cruzat.dwg, 12, 8/7/2020 8:15:00 AM

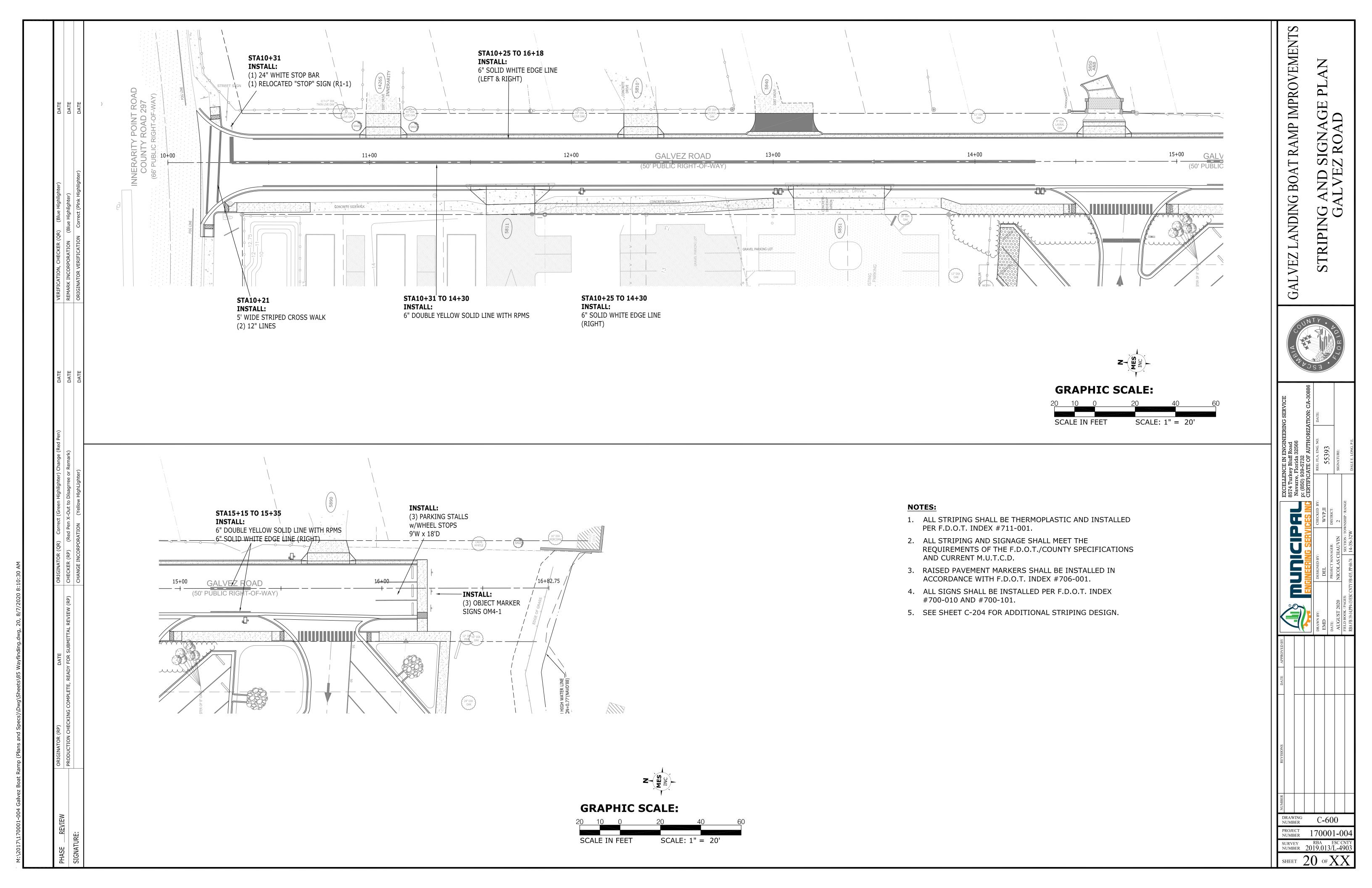


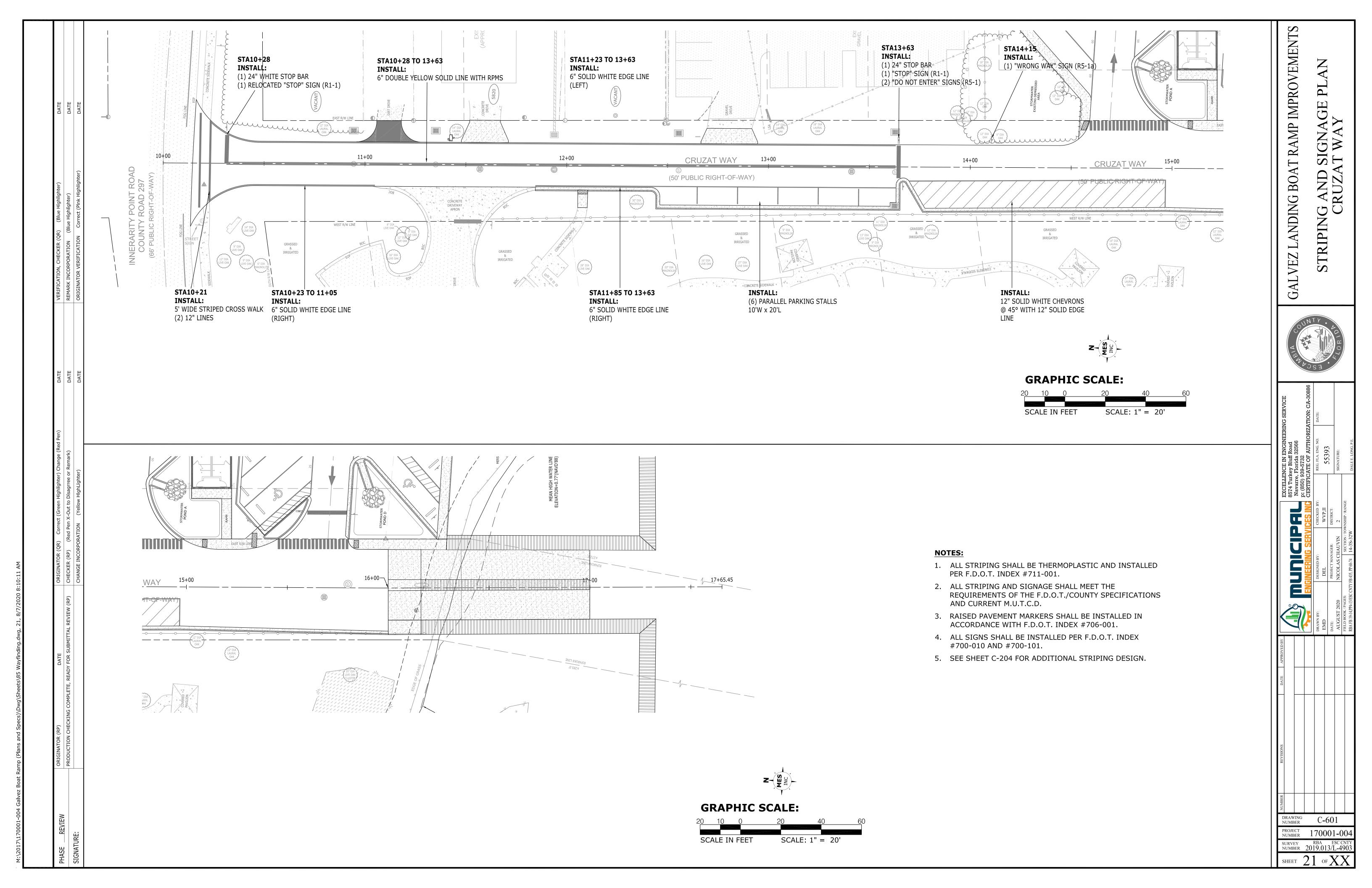


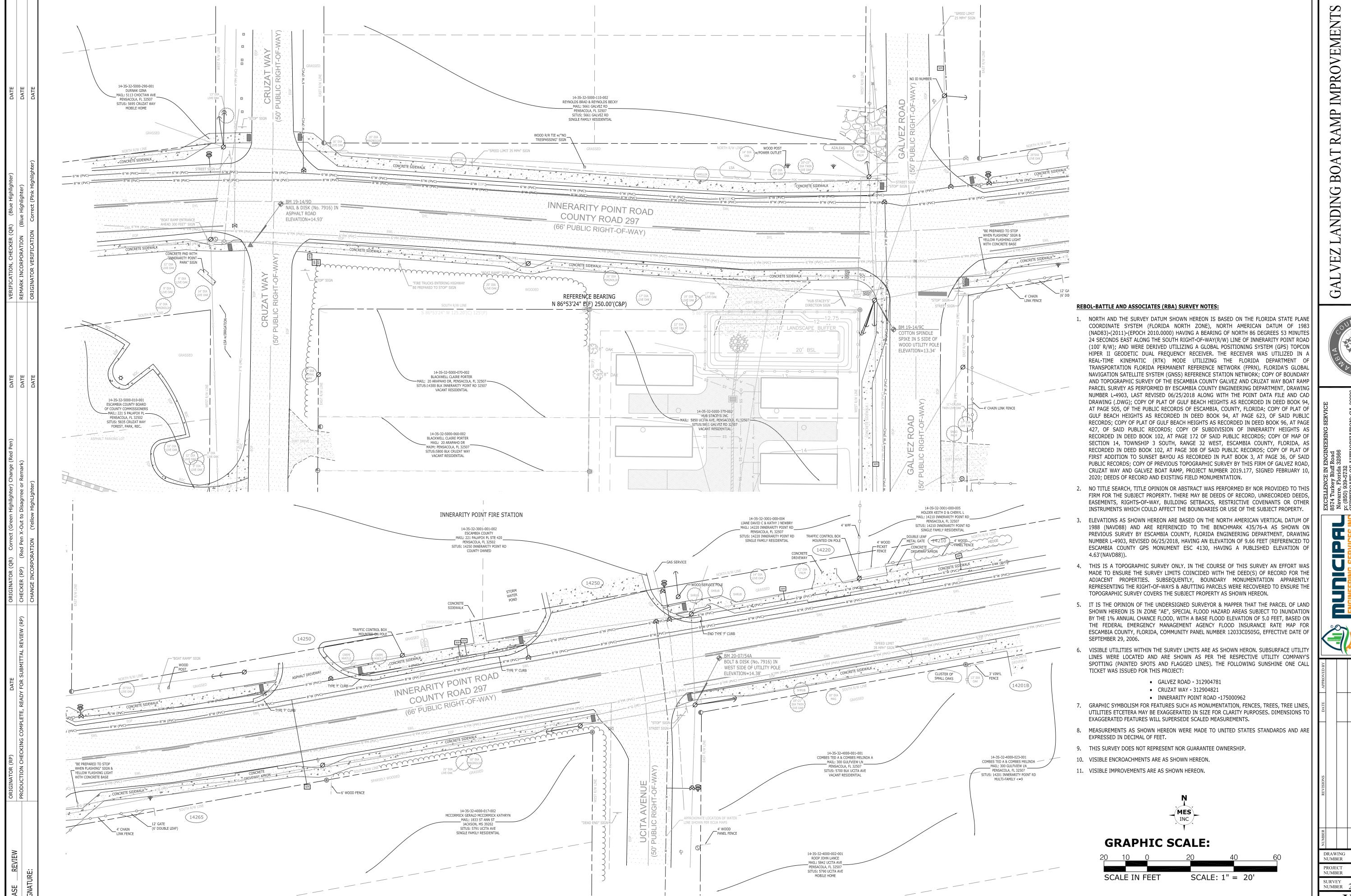




M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\80 Cross Sections.dwg, 20, 8/7/2020 8:11:12 AM







C-700

170001-004 SURVEY RBA ESC CNT NUMBER 2019.013/L-490

M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\91 Turn Lane Plan.dwg, 91, 8/11/2020 12:38:42 Ph