



**BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA
 PUBLIC WORKS DEPARTMENT
 ENGINEERING / INFRASTRUCTURE DIVISION**

A. ECUA Engineering Manual Incorporated by Reference
 The ECUA Engineering Manual, dated December 18, 2014, along with Update # 1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)
 Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? YES NO. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type		Location	
	Specifi- cation	Detail	Plans	Project Manual*
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Project Manuals used only with ECUA CIP Projects

C. Engineer of Record Responsibilities
 The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

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**PLANS PROPOSED FOR
 GALVEZ LANDING BOAT RAMP
 IMPROVEMENTS**

(PD 18-19.067)

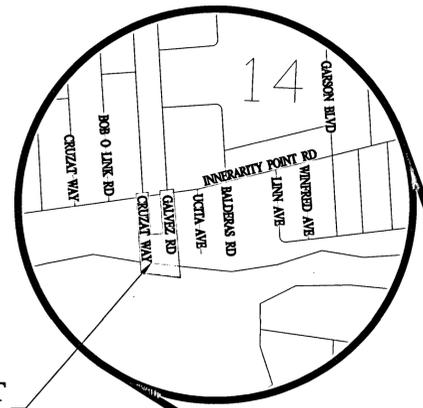
SITE DEVELOPMENT & ROADWAY IMPROVEMENTS

**100% CONSTRUCTION PLANS
 MARCH 2021**

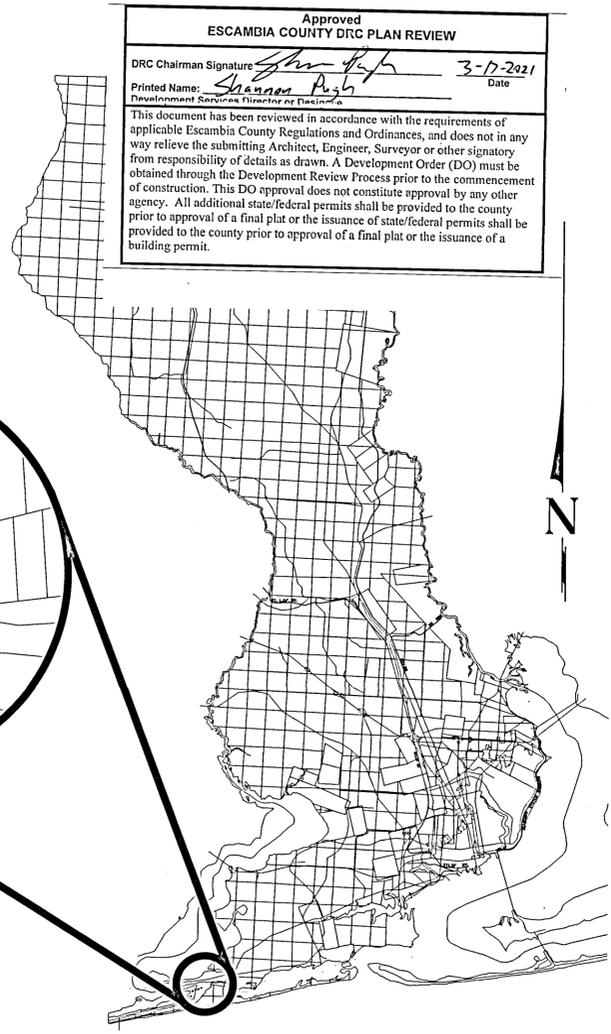
ENGINEER:
 MUNICIPAL ENGINEERING SERVICES, INC.
 8574 TURKEY BLUFF ROAD
 NAVARRE, FL 32566
 CONTACT: DALE E. LONG, PE, LEED AP
 PHONE: (850) 939-5732
 EMAIL: dlong@mesi-fl.com

SITE INFORMATION:
 STREET ADDRESS: 5889 GALVEZ ROAD
 PARCEL NUMBER: 14-3S-32-5000-630-002
 PARCEL ZONING: REC
 FUTURE LAND USE: REC
 PROPOSED USE: PARK
 PARCEL SIZE: 164 ACRES

PROJECT LOCATION



VICINITY MAP



Approved
 ESCAMBIA COUNTY DRC PLAN REVIEW

DRC Chairman Signature: *[Signature]* Date: 3-17-2021
 Printed Name: *[Signature]*

This document has been reviewed in accordance with the requirements of applicable Escambia County Regulations and Ordinances, and does not in any way relieve the submitting Architect, Engineer, Surveyor or other signatory from responsibility of details as drawn. A Development Order (DO) must be obtained through the Development Review Process prior to the commencement of construction. This DO approval does not constitute approval by any other agency. All additional state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of state/federal permits shall be provided to the county prior to approval of a final plat or the issuance of a building permit.

COMMISSIONERS

- | | |
|----------------|-----------------------------|
| DISTRICT ONE | JEFF BERGOSH, VICE CHAIRMAN |
| DISTRICT TWO | DOUG UNDERHILL |
| DISTRICT THREE | LUMON MAY |
| DISTRICT FOUR | ROBERT BENDER, CHAIRMAN |
| DISTRICT FIVE | STEVEN BARRY |

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

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.

PROJECT MANAGER:
 NICOLAS CHAUVIN

SECTION / TOWNSHIP / RANGE / DISTRICT:
 14-3S-32

PROJECT ENGINEER:
 DALE E. LONG, PE

REG FLA ENG NO:
 35393

SIGNATURE: *[Signature]* DATE: MARCH 2021

M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\01 Cover Sheet.dwg, Sheets: 3/3/2021, 4:07:45 PM
 M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\01 Cover Sheet.dwg, Mar 03, 2021 - 4:07:45PM, m.dorm

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.
6. 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.
6. 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(1), 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 ACCESSIBILITY 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 SEDIMENTS.
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.
3. 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 SAFETY NOTES:

- 1. 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.

Table with columns for PHASE, REVIEW, SIGNATURE, ORIGINATOR, CHECKER, CHANGE INCORPORATION, VERIFICATION, CHECKER, REMARK, DATE.

Vertical sidebar containing project information: GALVEZ LANDING BOAT RAMP IMPROVEMENTS, PROJECT NOTES, ESCAMBIA COUNTY seal, MUNICIPAL logo, project details (C-001, 170001-004), and sheet number 01 of 61.

DATE		DATE		DATE	
VERIFICATION, CHECKER (OR) (Blue Highlighter)	DATE	ORIGINATOR VERIFICATION	DATE	ORIGINATOR (OR) Correct (Green Highlighter)	DATE
REMARK INCORPORATION (Blue Highlighter)	DATE	CORRECT (Pink Highlighter)	DATE	CHECKER (RP) Correct (Red Pen)	DATE
ORIGINATOR (RP)	DATE	CHANGE INCORPORATION	DATE	CHANGE INCORPORATION	DATE
ORIGINATOR (RP)	DATE	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE
PHASE	REVIEW	SIGNATURE:	DATE	SIGNATURE:	DATE

NATURAL OR SYNTHETIC HAY BALE DETAIL
NOT TO SCALE

BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER. ALL BALES SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. CONTRACTOR SHALL WEDGE OR CHINK LOOSE STRAW BETWEEN BALES. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS NEEDED. SYNTHETIC BALE BARRIERS SHALL BE REMOVED AFTER THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED. SYNTHETIC BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.

DOUBLE ROW STAKED SILT FENCE DETAIL
NOT TO SCALE

* ALL SILT FENCING THAT PROTECTS JURISDICTIONAL WETLANDS MUST BE TYPE "B" SILT FENCING. ALL OTHER AREAS MUST USE POLYETHYLENE MESH SILT FENCING.

SOIL TRACKING PREVENTION DEVICE (CONSTRUCTION EXIT)
NOT TO SCALE

GENERAL NOTES:

- 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 STPD.
- 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.
- 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.
- 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
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.
- 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 PIPE SATISFIES THE CLEAR ZONE REQUIREMENTS.
- 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.
- 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.

EROSION AND SEDIMENT CONTROL NOTES:

- 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.
- ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE SEEDED, FERTILIZED AND MULCHED, HYDROSEEDDED, OR SODDED AS REQUIRED, UNLESS NOTED OTHERWISE. SOD PINS SHALL BE USED FOR ALL SOD PLACED ON SLOPES STEEPER THAN 3:1. AREAS OF 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.
- 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).
- 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.
- 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.
- SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- CLEANUP WILL BE DONE IN A MANNER TO INSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.
- THE PROJECT WILL BE CONTINUALLY INSPECTED FOR SOIL EROSION AND SEDIMENT CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR WITHIN 24 HOURS.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR UPON ESTABLISHMENT OF PERMANENT CONTROL MEASURES OR WHEN DIRECTED BY THE OWNER.
- 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).
- THE CONTRACTOR SHALL COMPLETE SITE RESTORATION AS THE PROJECT PROGRESSES.
- THE OWNER SHALL SEND A COPY OF THE FDEP/NPDES NOTICE OF INTENT TO THE LOCAL BUILDING DEPARTMENT UPON RECEIPT, AS APPLICABLE.
- 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.
- 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.
- 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.
- 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.

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

EROSION & SEDIMENT CONTROL GENERAL NOTES & DETAILS

DRAWN BY:	CHECKED BY:	DATE:	PROJECT:	SHEET NO. OF TOTAL SHEETS:
MAJOR	MAJOR	03/03/2021	170001-004	03 OF 61
DESIGNED BY:	DESIGNED BY:	DATE:	PROJECT:	SHEET NO. OF TOTAL SHEETS:
NICOLAS CHALVIN	NICOLAS CHALVIN	03/03/2021	170001-004	03 OF 61
FIELD BOOK PAGES:	SECTION TOWNSHIP RANGE:			
14-38-33W	14-38-33W			

MUNICIPAL

EXCELLENCE IN ENVIRONMENTAL SERVICE
6874 Turkey Creek Road
Navarre, Florida 32566
CERTIFICATE NUMBER: 12563
STATE OF FLORIDA
DALE E. LONG, P.E.
NO. 12563

DRAWING NUMBER:	PROJECT NUMBER:	SURVEY NUMBER:	RBA ESC CNTY:
C-003	170001-004	2019.013/L-4903	RBA ESC CNTY

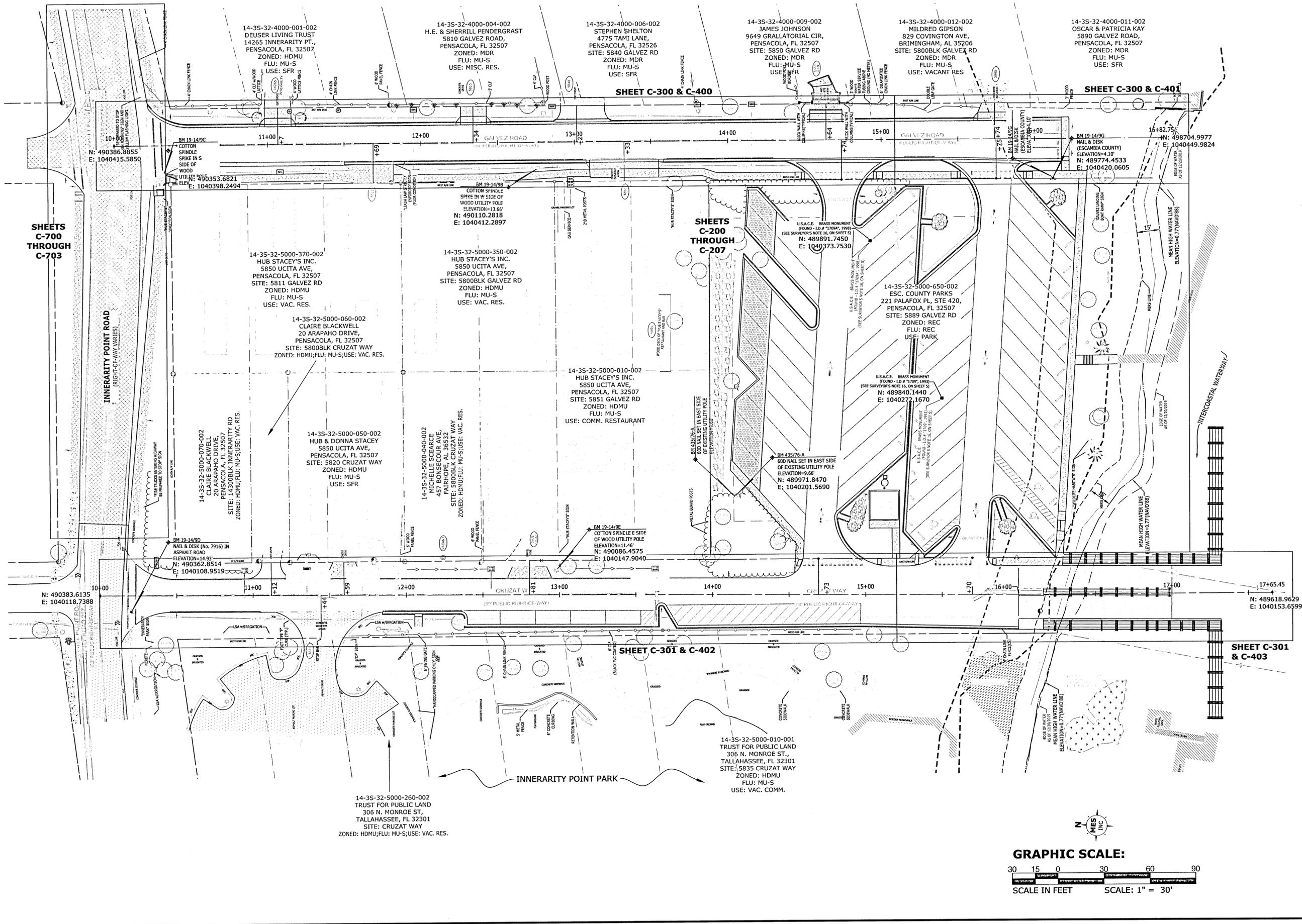
SHEET 03 OF 61

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

FLOATING TURBIDITY BARRIERS

D₁ - 5' Std. (Single Panel) For Depths 3' or Less.
D₂ - 5' Std. (Additional Panel) or Depth > 5'.
Curtain To Reach Bottom Up To Depth of 30 Feet.
Two (2) Panels To Be Used For Depths Greater Than 10 Feet Unless Spread Depth Curtains Are Specifically Called For In The Plans Or As Determined By The Engineer.

PHASE	REVIEW	DATE	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (QR)	CHECKER (QR)	DATE	VERIFICATION, CHECKER (QR)	DATE
	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)							REMARK INCORPORATION (Blue Highlighter)	
	SIGNATURE:							ORIGINATOR VERIFICATION (Correct (Pink Highlighter))	
								REMARK INCORPORATION (Blue Highlighter)	
								ORIGINATOR VERIFICATION (Correct (Pink Highlighter))	

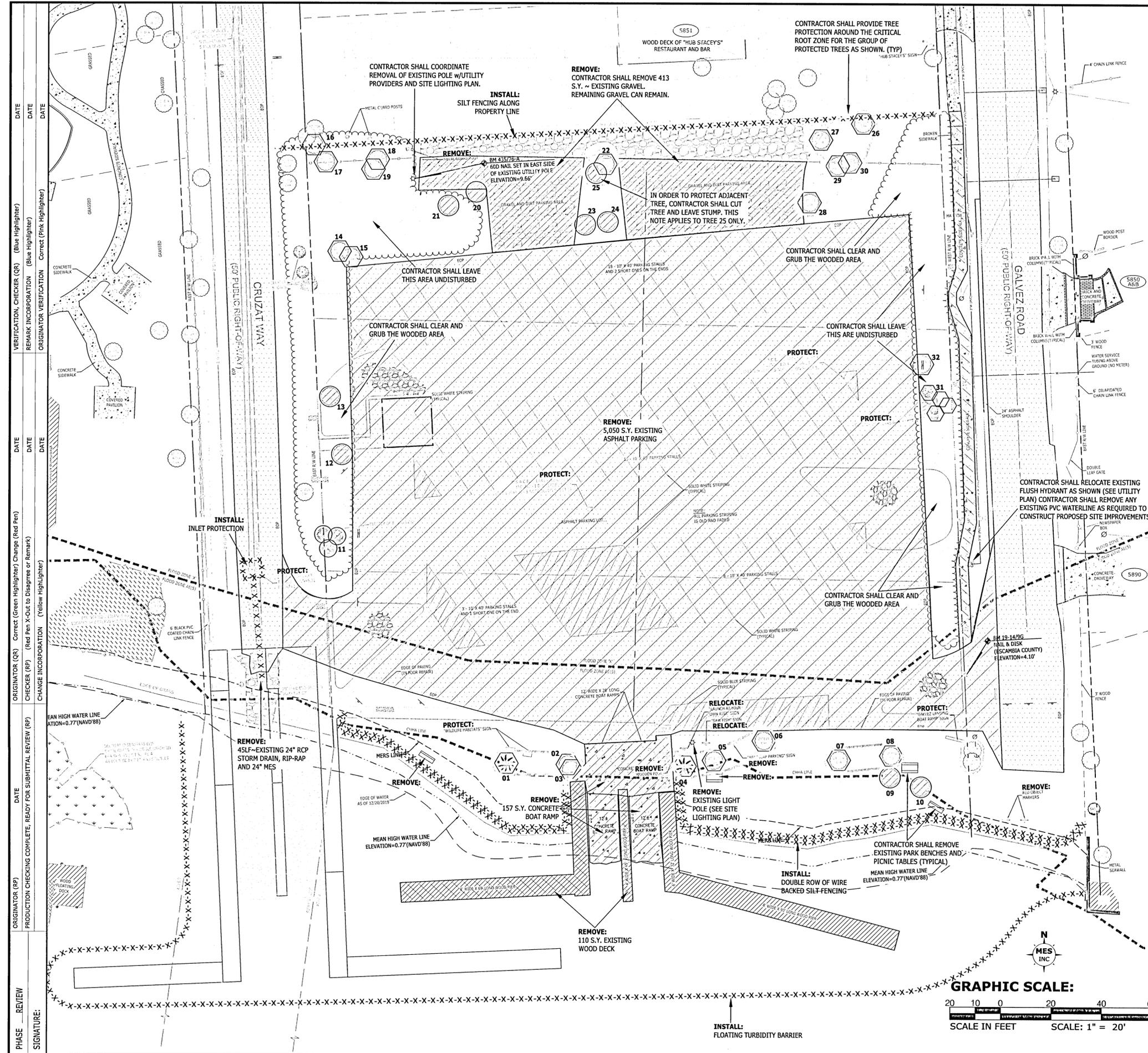


GALVEZ LANDING BOAT RAMP IMPROVEMENTS

OVERALL PLAN, LAYOUT & KEY SHEET

EXCELLENCE IN ENGINEERING SERVICE 5514 Turkey Bluff Road Naples, FL 34109 PHONE: 239-440-8888 FAX: 239-440-8889 WWW: WWW.EICINC.COM	
DESIGNED BY: DEJ DRAWN BY: EMD DATE: MARCH 2021 PROJECT NUMBER: 170001-004	CHECKED BY: WYJLJ PROJECT MANAGER: NICOLAS CHAUVEN DISTRICT: 2 COUNTY: ESCAMBIA COUNTY WATERSHIP RANGE: 14-35-32-30
MUNICIPAL ESCAMBIA COUNTY ESCAMBIA COUNTY ESCAMBIA COUNTY	
DRAWING NUMBER: C-100 PROJECT NUMBER: 170001-004 SURVEY NUMBER: 2019.0137-4903 SHEET: 04 OF 61	

M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\45 Demolition and Erosion Control.dwg, 06/30/2024 4:46:11 PM



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.
- NO GRADING OR CLEARING BY, OR STORAGE OF HEAVY EQUIPMENT SHALL OCCUR WITHIN THE DRIP LINE OF PROTECTED TREES OR WITHIN ENVIRONMENTALLY SENSITIVE AREAS.
- 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.
- 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 AND NATURE.
- 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.
- 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 TRUNK.
- ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.
- 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 ZONE OF PROTECTED TREES.
- 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.
- 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.
- WHERE DEMOLITION REQUIREMENTS LEAVE OPEN TRENCHES, PITS OR OTHER VOIDS, PROVIDE CLEAN FILL AND COMPACTION PER THE SPECIFICATIONS, THE GEOTECHNICAL REPORT OR OTHER REQUIREMENTS.
- 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.
- 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.
- ALL ASPHALT AND CONCRETE SHALL BE SAW CUT AT EDGES TO REMAIN. REMAINING EDGES SHALL BE PROTECTED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS WHILE REMOVING OR REPAIRING ANY EXISTING STORM DRAINS OR SWALES.
- DEMOLITION WORK SHALL BE COORDINATED WITH EACH PHASE OF THE WORK. DO NOT PROCEED WITH ANY DEMOLITION UNTIL SPECIFICALLY AUTHORIZED BY OWNER.
- CONTRACTOR SHALL ROUGH IN STORMWATER POND(S) IMMEDIATELY FOLLOWING CLEARING AND PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.
- EXCAVATED MATERIALS (SPOILS) SHALL BE DISPOSED OF AS REQUIRED IN UPLAND AREAS IN ACCORDANCE WITH LOCAL, 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.
- 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.
- FOR PROPOSED DEMOLITION WORK WITHIN THE RIGHT-OF-WAY OF CRUZAT WAY AND GALVEZ ROAD (SEE SHEETS C-300 & C-301).
- 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.
- NO PARKING OF VEHICLES, TRAILERS, BOATS, EQUIPMENT, STOCKPILING OF CONSTRUCTION MATERIALS, PLACEMENT OF MULCH, ROCKS, ETC. WILL BE ALLOWED UNDER THE DRIPLINE OF ALL PROTECTED TREES ON-SITE, EXISTING PRESERVED TREES OR TO BE PLANTED ON-SITE. TREE AND TREE PROTECTION AREAS SHALL REMAIN IN THEIR NATURAL STATE.

TREE CHART

TREE NO.	COMMON NAME	DIAMETER AT DBH (Inches)	TO BE REMOVED	DIAMETER 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	LIVE OAK	24	NO	0
10	POPCORN	6	YES	N/A
11	6" OAK CLUSTER	13	YES	N/A
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.

TOTAL INCHES OF DIAMETER REMOVED = 73 CALIPER INCHES
 MINIMUM REQUIRED REPLACEMENT DIAMETER = 36.5 CALIPER INCHES
 LIMITS OF CONSTRUCTION AREA = 1.63 CALIPER INCHES
 REPLACEMENT LIMIT DIAMETER = 41 CALIPER INCHES
 (25 CALIPER INCHES PER DEVELOPMENT SITE ACRE DSM 2-5.2(C))
 TOTAL REQUIRED REPLACEMENT DIAMETER = 37 CALIPER INCHES

GRAPHIC SCALE:



PHASE	REVIEW	ORIGINATOR (RP)	DATE	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	CHECKER (RP)	ORIGINATOR (QR)	DATE	CHANGE INCORPORATION (Yellow Highlighter)	CHECKER (RP)	ORIGINATOR (QR)	DATE	REMARK INCORPORATION (Blue Highlighter)	VERIFICATION, CHECKER (QR)	DATE

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

DEMOLITION AND EROSION CONTROL
(SITE IMPROVEMENTS)

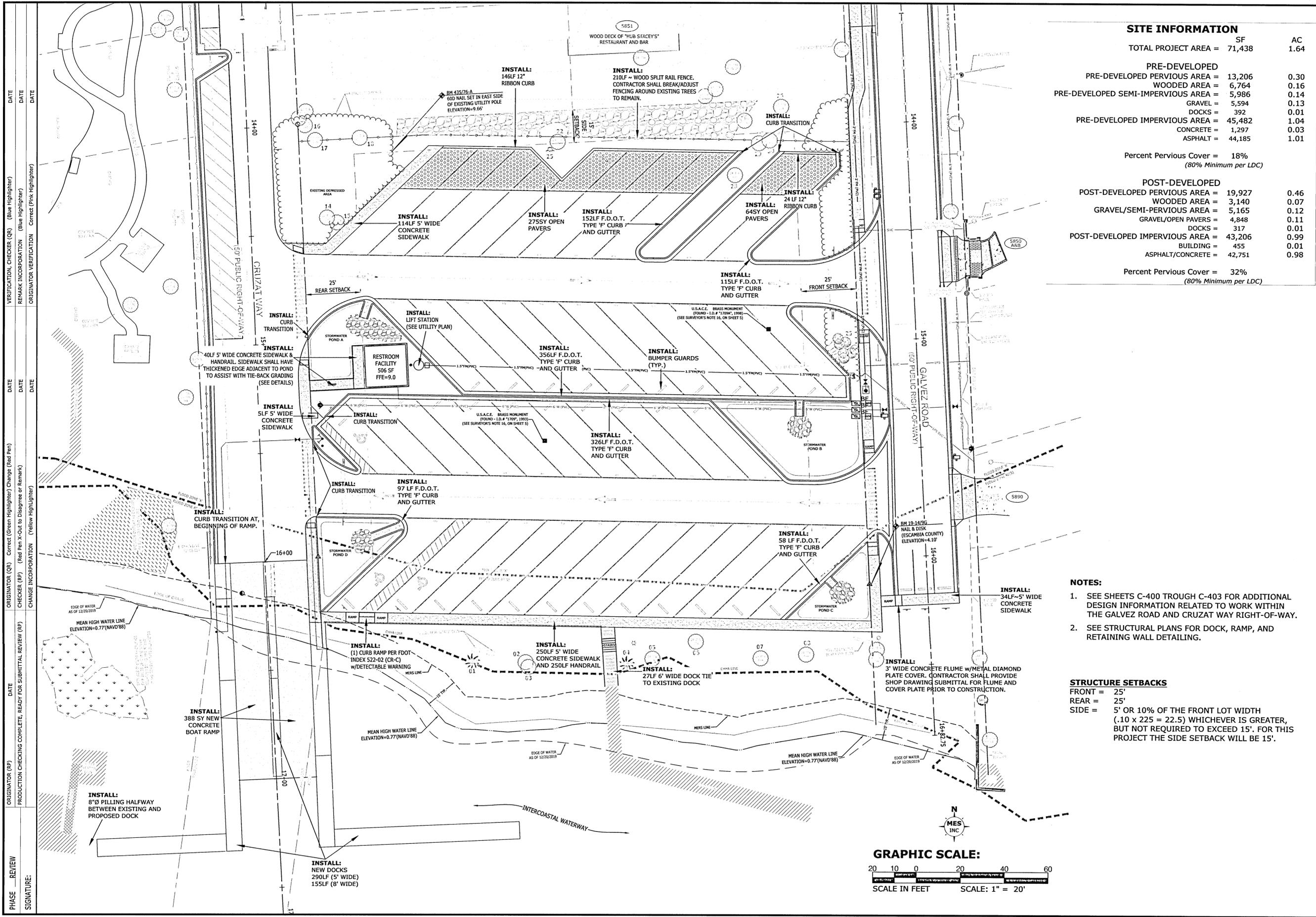
EXCELLENCE IN ENGINEERING SERVICE
 8574 Turkey Bluff Road
 Navarre, Florida 32562
 P: (850) 939-5723
 F: (850) 939-5724
 CERTIFICATE OF AUTHORIZATION # 059886

DESIGNED BY: DEL
 CHECKED BY: WYP/II
 DRAWN BY: EAD
 DATE: MARCH 2021
 FIELD BOOK PAGES: 14453-2378

PROJECT MANAGER: NICOLAS CHALVIN
 SECTION: TOWNSHIP PLANS
 SHEET: 07 OF 61

DRAWING NUMBER: C-201
 PROJECT NUMBER: 170001-004
 SURVEY NUMBER: KBA ESC CNTY 2019.013/L-4903

M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\50 Site Plan.dwg, 07, 3/13/2021 4:16:21 PM

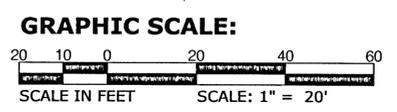


SITE INFORMATION		
TOTAL PROJECT AREA =	SF	AC
	71,438	1.64
PRE-DEVELOPED		
PRE-DEVELOPED PERVIOUS AREA =	13,206	0.30
PRE-DEVELOPED SEMI-IMPERVIOUS AREA =	5,986	0.14
PRE-DEVELOPED IMPERVIOUS AREA =	45,482	1.04
WOODED AREA =	6,764	0.16
GRAVEL =	5,986	0.13
DOCKS =	392	0.01
CONCRETE =	1,297	0.03
ASPHALT =	44,185	1.01
Percent Pervious Cover =	18%	
	(80% Minimum per LDC)	
POST-DEVELOPED		
POST-DEVELOPED PERVIOUS AREA =	19,927	0.46
POST-DEVELOPED SEMI-IMPERVIOUS AREA =	3,140	0.07
POST-DEVELOPED IMPERVIOUS AREA =	43,206	0.99
WOODED AREA =	3,140	0.07
GRAVEL/SEMI-PERVIOUS AREA =	5,165	0.12
GRAVEL/OPEN PAVERS =	4,848	0.11
DOCKS =	317	0.01
BUILDING =	455	0.01
ASPHALT/CONCRETE =	42,751	0.98
Percent Pervious Cover =	32%	
	(80% Minimum per LDC)	

- NOTES:**
- SEE SHEETS C-400 THROUGH C-403 FOR ADDITIONAL DESIGN INFORMATION RELATED TO WORK WITHIN THE GALVEZ ROAD AND CRUZAT WAY RIGHT-OF-WAY.
 - SEE STRUCTURAL PLANS FOR DOCK, RAMP, AND RETAINING WALL DETAILING.

STRUCTURE SETBACKS

FRONT = 25'
 REAR = 25'
 SIDE = 5' OR 10% OF THE FRONT LOT WIDTH (.10 x 225 = 22.5) WHICHEVER IS GREATER, BUT NOT REQUIRED TO EXCEED 15'. FOR THIS PROJECT THE SIDE SETBACK WILL BE 15'.



GALVEZ LANDING BOAT RAMP IMPROVEMENTS

SITE PLAN
(SITE IMPROVEMENTS)

MUNICIPAL

EXCELLENCE IN ENGINEERING SERVICE
 8574 Turkey Bluff Road, Jacksonville, FL 32217
 PHONE: 904.251.1111 FAX: 904.251.1112
 WWW: WWW.MESINC.COM
 CERTIFICATE OF AUTHORIZATION: 06-0008

DATE: MARCH 2021
 PROJECT NUMBER: 170001-004
 SHEET NUMBER: 08 OF 61

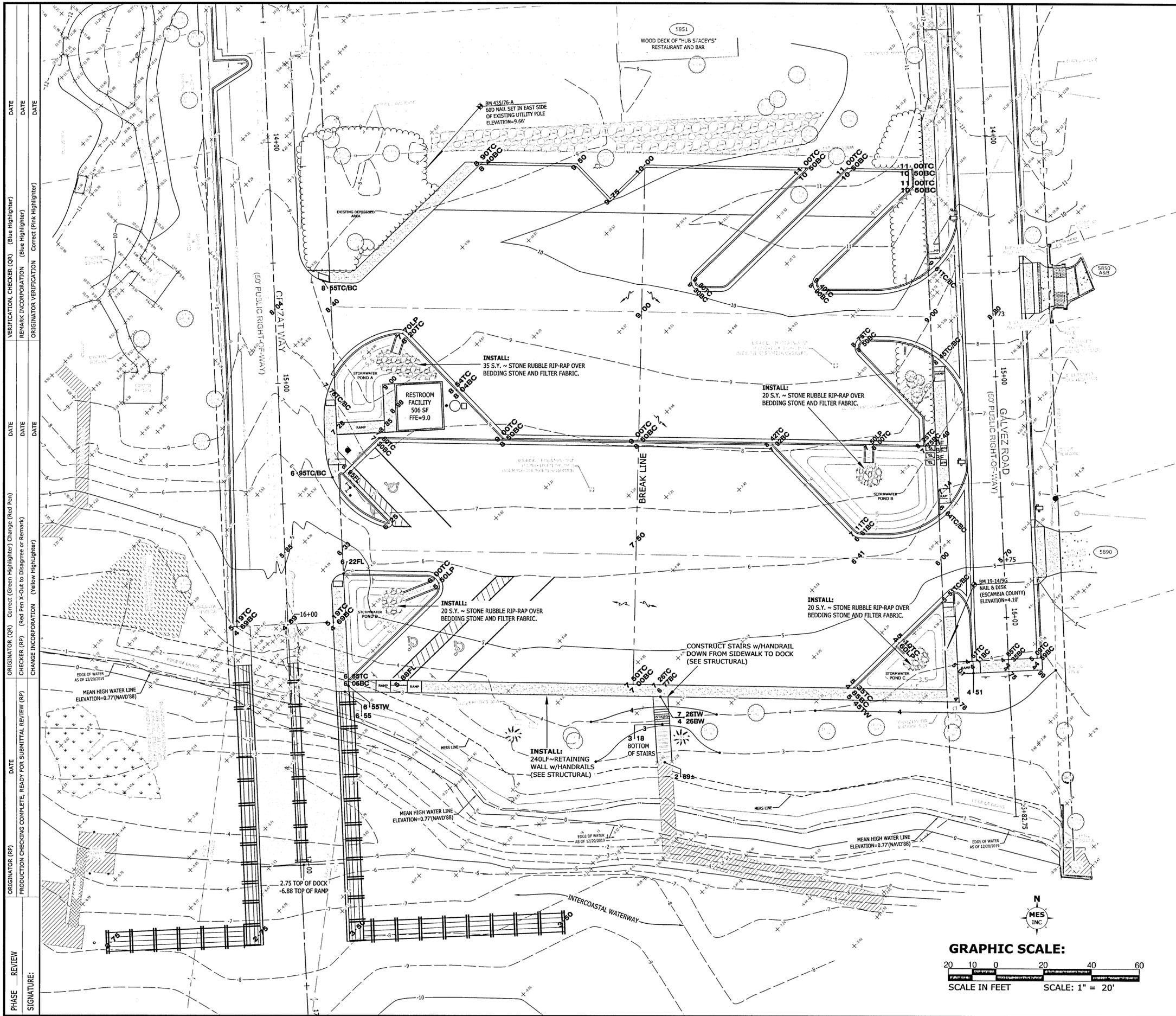
APPROVED BY: [Signature]
 DATE: [Date]

DESIGNED BY: DEL
 CHECKED BY: WPE/II
 PROJECT MANAGER: NICHOLAS CHALVIN
 DISTRICT: 2
 SECTION/TOWNSHIP/RANGE: 14-5-323W

DRAWING NUMBER: C-202
 PROJECT NUMBER: 170001-004
 SURVEY NUMBER: RBA ESC/ENVY
 NUMBER: 2019.013/L-4903

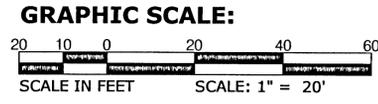
SHEET 08 OF 61

N:\170001\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg(Sheets)\55 Grading and Drainage Plan.dwg, 08, 3/3/2021 4:19:29 PM



NOTES:

- SEE SHEETS C-400 THROUGH C-403 FOR ADDITIONAL DESIGN INFORMATION RELATED TO WORK WITHIN THE GALVEZ ROAD AND CRUZAT WAY RIGHT-OF-WAY.
- THE CONTRACTOR IS RESPONSIBLE FOR 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.
- THE CONTRACTOR SHALL GRADE ALL POND BOTTOMS TO DRAIN TOWARDS THE OUTFALL OR EQUALIZER PIPES AS APPROPRIATE.
- THE COUNTY SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORM WATER SYSTEM.
- CONTRACTOR SHALL REFER TO THE POND PLAN SECTIONS AND GEOMETRY SHEET (C-205) FOR ADDITIONAL INFORMATION RELATED TO POND DESIGN.
- CONTRACTOR SHALL REFER TO STRUCTURAL PLANS FOR GRADING AND DESIGN RELATED TO RAMP, DOCKS AND RETAINING WALL.



PHASE	REVIEW	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (QR)	CHECKER (QR)	DATE	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (QR)	CHECKER (QR)	DATE
PRODUCTION	CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)										
	CHANGE INCORPORATION (Yellow Highlighter)										
	REMARK INCORPORATION (Blue Highlighter)										
	VERIFICATION, CHECKER (QR) (Blue Highlighter)										
	ORIGINATOR VERIFICATION (Pink Highlighter)										

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

GRADING AND DRAINAGE PLAN
(SITE IMPROVEMENTS)

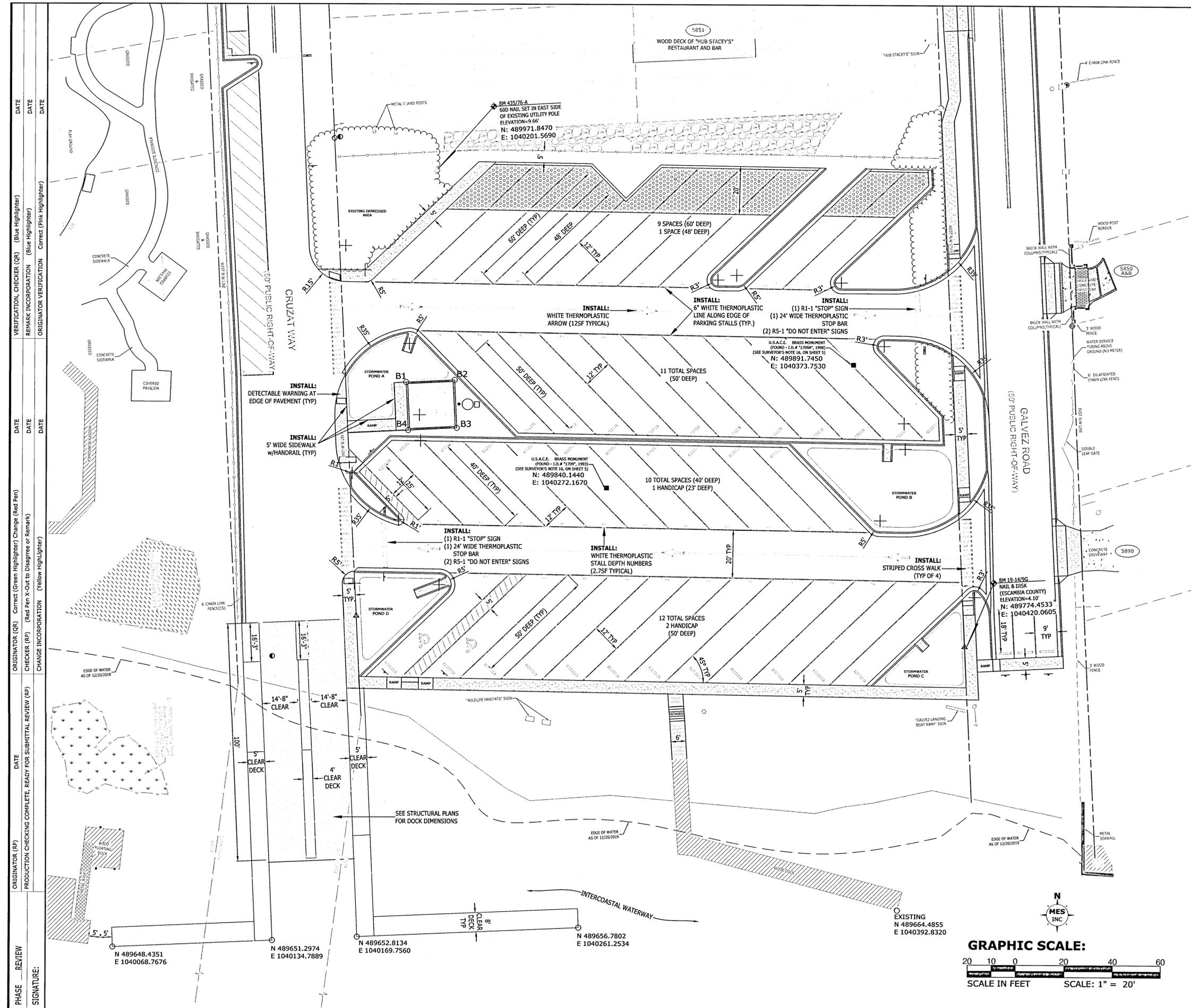
EXCELLENCE IN ENGINEERING SERVICE
8574 Turkey Bluff Road
Newport Pines, Texas 77459
CERTIFICATE AUTHORIZATION NO. 10000
DATE OF EXPIRATION: 03/31/2025

PROJECT NO. 170001-004
DATE: MARCH 2021
FIELD BOOK NUMBER: RBA FB 19-1474-133C QTY FB 03, FB 04, FB 05, FB 06, FB 07, FB 08, FB 09, FB 10, FB 11, FB 12, FB 13, FB 14, FB 15, FB 16, FB 17, FB 18, FB 19, FB 20, FB 21, FB 22, FB 23, FB 24, FB 25, FB 26, FB 27, FB 28, FB 29, FB 30, FB 31, FB 32, FB 33, FB 34, FB 35, FB 36, FB 37, FB 38, FB 39, FB 40, FB 41, FB 42, FB 43, FB 44, FB 45, FB 46, FB 47, FB 48, FB 49, FB 50, FB 51, FB 52, FB 53, FB 54, FB 55, FB 56, FB 57, FB 58, FB 59, FB 60, FB 61, FB 62, FB 63, FB 64, FB 65, FB 66, FB 67, FB 68, FB 69, FB 70, FB 71, FB 72, FB 73, FB 74, FB 75, FB 76, FB 77, FB 78, FB 79, FB 80, FB 81, FB 82, FB 83, FB 84, FB 85, FB 86, FB 87, FB 88, FB 89, FB 90, FB 91, FB 92, FB 93, FB 94, FB 95, FB 96, FB 97, FB 98, FB 99, FB 100

DESIGNED BY: NICHOLAS CHALVIN
PROJECT MANAGER: NICHOLAS CHALVIN
DATE: MARCH 2021
FIELD BOOK NUMBER: RBA FB 19-1474-133C QTY FB 03, FB 04, FB 05, FB 06, FB 07, FB 08, FB 09, FB 10, FB 11, FB 12, FB 13, FB 14, FB 15, FB 16, FB 17, FB 18, FB 19, FB 20, FB 21, FB 22, FB 23, FB 24, FB 25, FB 26, FB 27, FB 28, FB 29, FB 30, FB 31, FB 32, FB 33, FB 34, FB 35, FB 36, FB 37, FB 38, FB 39, FB 40, FB 41, FB 42, FB 43, FB 44, FB 45, FB 46, FB 47, FB 48, FB 49, FB 50, FB 51, FB 52, FB 53, FB 54, FB 55, FB 56, FB 57, FB 58, FB 59, FB 60, FB 61, FB 62, FB 63, FB 64, FB 65, FB 66, FB 67, FB 68, FB 69, FB 70, FB 71, FB 72, FB 73, FB 74, FB 75, FB 76, FB 77, FB 78, FB 79, FB 80, FB 81, FB 82, FB 83, FB 84, FB 85, FB 86, FB 87, FB 88, FB 89, FB 90, FB 91, FB 92, FB 93, FB 94, FB 95, FB 96, FB 97, FB 98, FB 99, FB 100

DRAWING NUMBER: C-203
PROJECT NUMBER: 170001-004
SURVEY NUMBER: RBA ESC CNTY 2019.013/L-4903
SHEET 09 OF 61

M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\60 Geometry Plan.dwg, 9/3/2021 4:20:48 PM

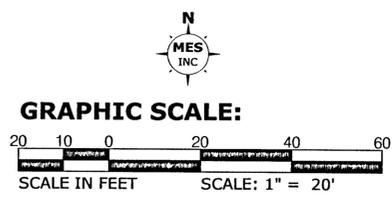


BUILDING GEOMETRY TABLE		
POINT	NORTHING	EASTING
B1	N489884.0400	E1040189.3554
B2	N489885.0164	E1040209.3316
B3	N489865.0402	E1040210.3080
B4	N489864.0638	E1040190.3318

- NOTES:**
- ALL STRIPING SHALL BE INSTALLED PER F.D.O.T. INDEX #711-001.
 - ALL STRIPING AND SIGNAGE SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
 - ALL SIGNS SHALL BE INSTALLED PER F.D.O.T. INDEX #700-010 AND #700-101.
 - SEE SHEETS C-100, C-600, AND C-601 FOR ADDITIONAL GEOMETRY AND STRIPING DESIGN INFORMATION RELATED TO WORK WITHIN THE GALVEZ ROAD AND CRUZAT WAY RIGHT-OF-WAY.
 - SEE SHEET C-205 FOR POND GEOMETRY.

PARKING TOTALS:

60' DEEP STALLS:	9
50' DEEP STALLS:	21
40' DEEP STALLS:	11
HANDICAP STALLS (50' DEEP):	2
HANDICAP STALLS (25' DEEP):	1
TOTAL:	44



GALVEZ LANDING BOAT RAMP IMPROVEMENTS
GEOMETRY AND STRIPING PLAN
(SITE IMPROVEMENTS)

EXCELLENCE IN ENGINEERING SERVICE
8574 Turkey Bluff Road
Neville, Florida 32866
P: (850) 938-5722
F: (850) 938-5723
CERTIFICATE OF AUTHORIZATION: 04-38868

MUNICIPAL

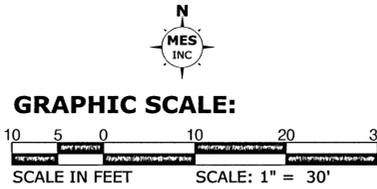
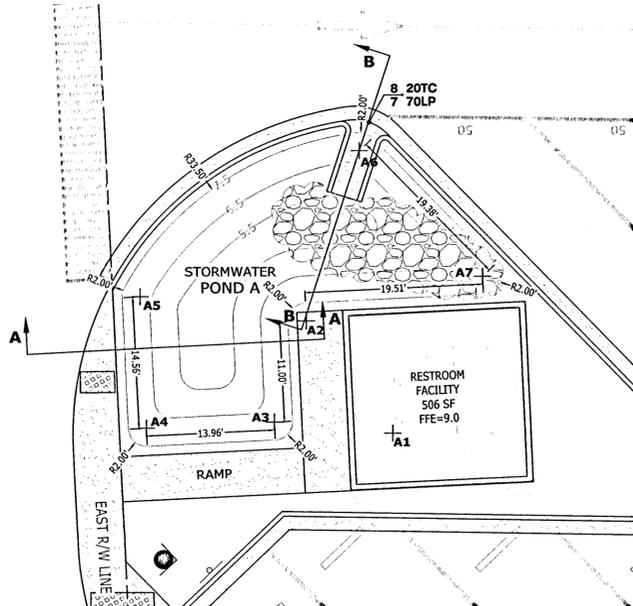
DESIGNED BY: WVP/II
CHECKED BY: DEL
PROJECT MANAGER: NICOLAS CHAUVIN
DATE: MARCH 2021
FIELD BOOK / PAGES: RBA FB 16-194-DISC-01B-60, 61, 62-64, 14-55-11W

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER: C-204
PROJECT NUMBER: 170001-004
SURVEY NUMBER: RBA ESC CNTY
NUMBER: 2019.013/L-4903
SHEET 10 OF 61

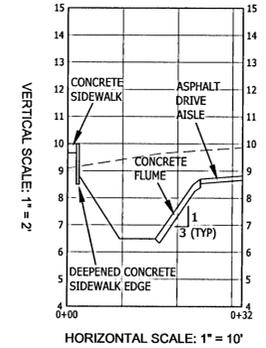
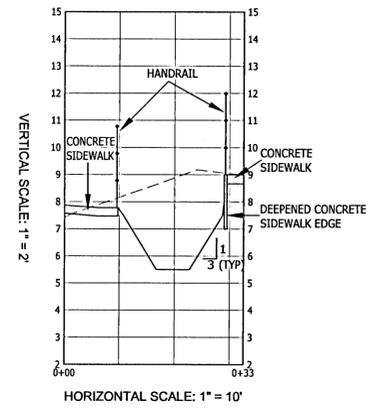
M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\61 Pond Geometry and Sections.dwg, 11, 3/3/2021 4:21:37 PM

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			PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		CORRECT (Green Highlighter) Change (Red Pen)		CORRECT (Blue Highlighter)		CORRECT (Pink Highlighter)	
SIGNATURE:			CHANGE INCORPORATION (Yellow Highlighter)		REMARK INCORPORATION (Blue Highlighter)		VERIFICATION, CHECKER (QR)		DATE	



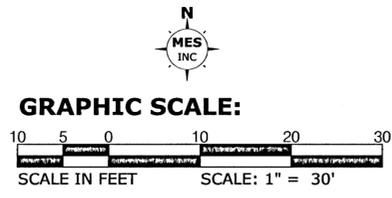
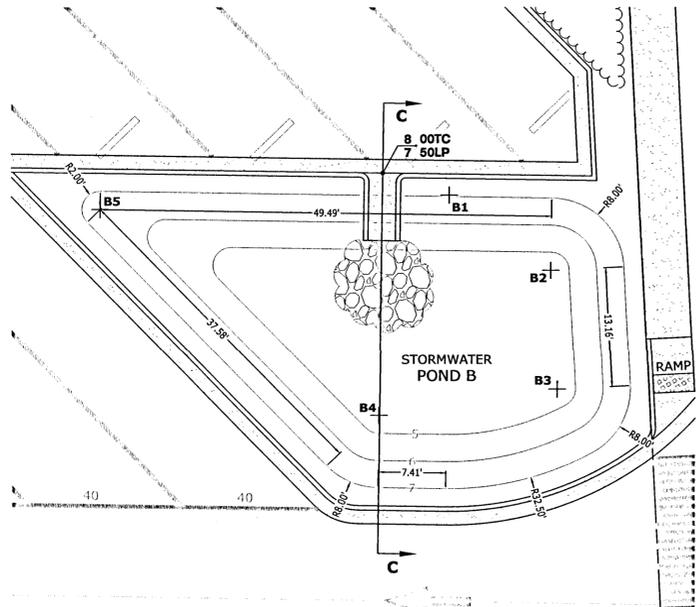
STORMWATER POND A - CENTER POINT LIST

POINT	NORTHING	EASTING
A1	N489870.4224	E1040194.9417
A2	N489882.8459	E1040185.4090
A3	N489871.6607	E1040181.9509
A4	N489870.9740	E1040168.0121
A5	N489885.5199	E1040167.2955
A6	N489901.7240	E1040191.2064
A7	N489887.7937	E1040204.7018



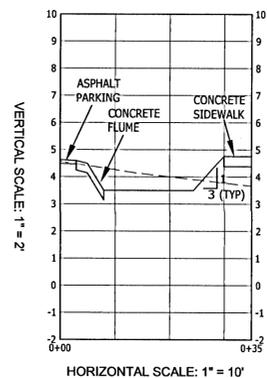
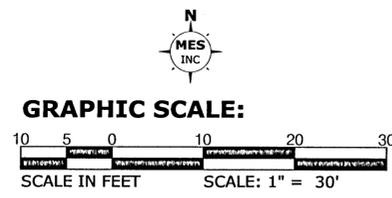
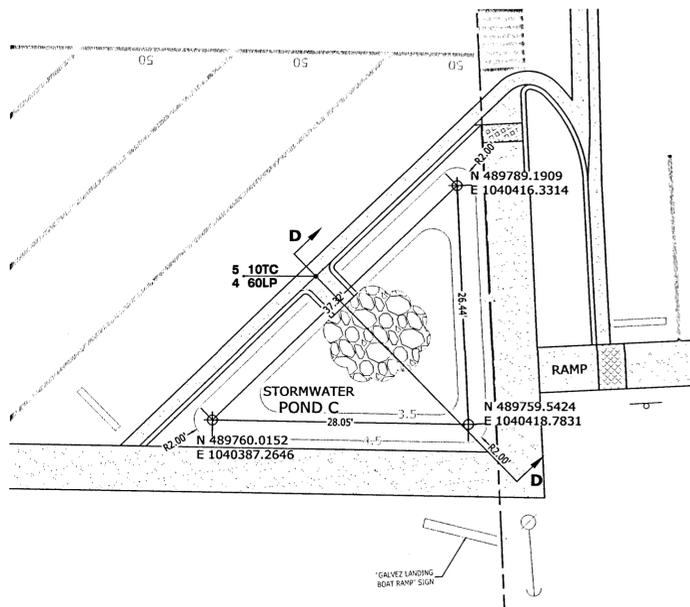
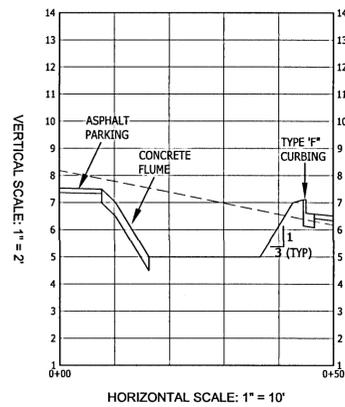
STORMWATER POND NOTES:

- 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.



STORMWATER POND B - CENTER POINT LIST

POINT	NORTHING	EASTING
B1	N489856.7460	E1040395.2678
B2	N489848.4098	E1040406.4098
B3	N489835.2684	E1040407.0560
B4	N489832.3603	E1040387.4934
B5	N489855.1412	E1040357.0077



GALVEZ LANDING BOAT RAMP IMPROVEMENTS

POND GEOMETRY AND SECTIONS
(SITE IMPROVEMENTS)

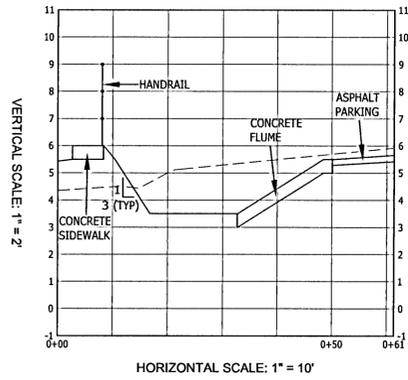
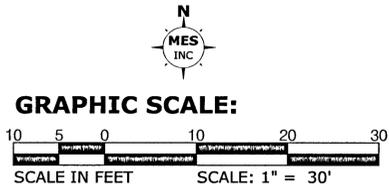
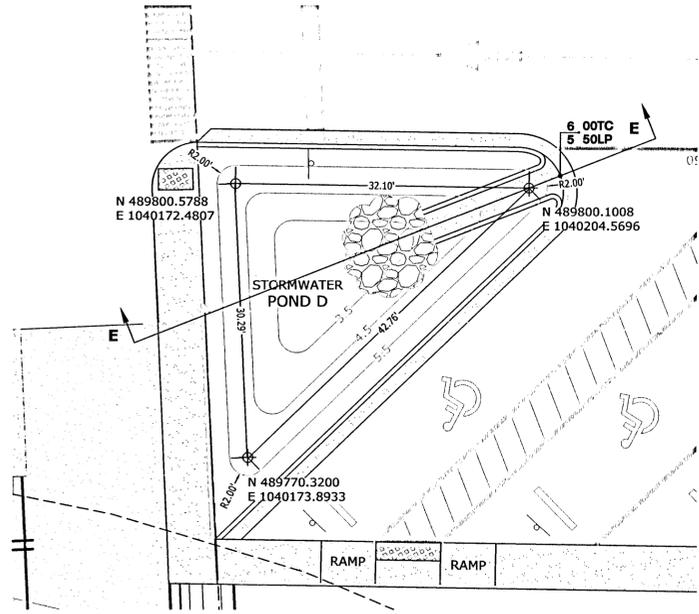
MUNICIPAL
 EXCELLENCE IN ENGINEERING SERVICE
 8674 Turkey Hill Road, Navarre, Florida 32562
 P: (850) 898-9732
 CERTIFICATE OF AUTHORIZATION: 04-00089

DESIGNED BY: WVP II
 CHECKED BY: J
 PROJECT MANAGER: NICHOLAS CHAUVIN
 DATE: MARCH 2021
 DISTRICT: 2
 SECTION: TOWNSHIP RANGE
 RAB: B-14-PM-REC-CNTY TR 43: 14-35-33W

DATE	APPROVED BY:

DRAWING NUMBER: **C-205**
 PROJECT NUMBER: **170001-004**
 SURVEY NUMBER: **2019.013/L-4903**
 SHEET **11** OF **61**

PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (QR)	CHECKER (RP)	DATE	ORIGINATOR (QR)	CHECKER (QR)	DATE	REMARK INCORPORATION	DATE	ORIGINATOR VERIFICATION	DATE
		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		Correct (Green Highlighter) Change (Red Pen)	(Red Pen X-Out to Disapprove or Remark)		Correct (Blue Highlighter)	(Blue Highlighter)		(Blue Highlighter)		Correct (Pink Highlighter)	
SIGNATURE:													



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.

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

POND GEOMETRY AND SECTIONS
(SITE IMPROVEMENTS)

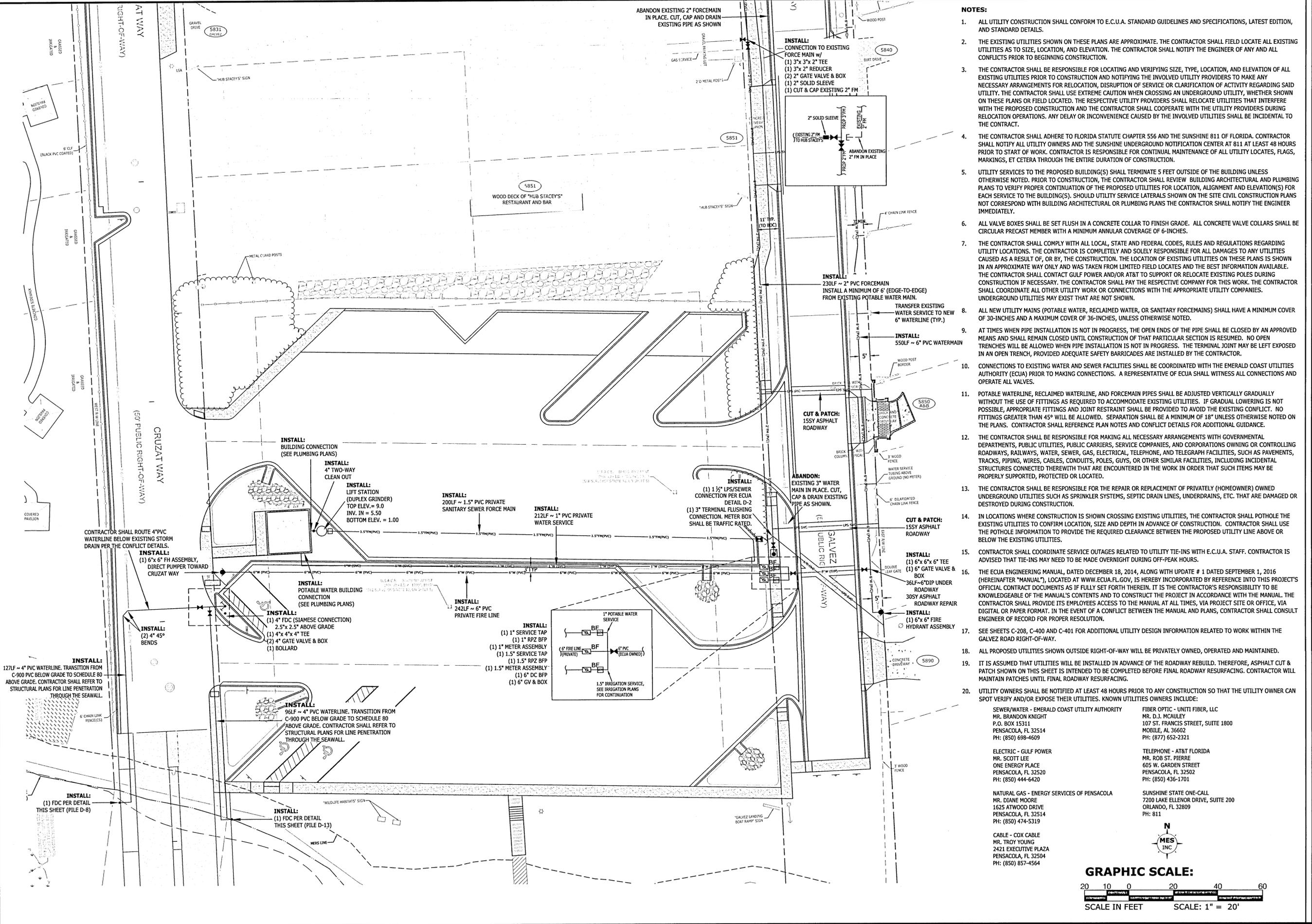
EXCELLENCE IN ENGINEERING SERVICE 8574 Turkey Bluff Road Navarre, Florida 32566 P: (850) 888-5788 CERTIFICATE OF AUTHORIZATION: SA-00888	DESIGNED BY: DEL	CHECKED BY: WVF, II	DATE: MARCH 2021
PROJECT MANAGER: NICOLAS CHALVIN	DISTRICT: 2	SECTION/TOWNSHIP/RANGE: 14-04-32W	FIELD BOOK/PAGES: 14-04-32W CTR 01 P. 624 45-55-32W

REVISIONS	NUMBER	DATE	APPROVED BY

DRAWING NUMBER	C-206
PROJECT NUMBER	170001-004
SURVEY NUMBER	NSA ESC CNT 2019.013/L-4903
SHEET	12 OF 61

M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\65 Utility Plan.dwg, 10, 3/9/2021 12:25:59 PM

PHASE	REVIEW	DATE	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (QR)	CORRECT (Green Highlighter) Change (Red Pen)	CHECKER (RP)	(Red Pen X-Out to Disapprove or Remark)	DATE	VERIFICATION, CHECKER (QR)	(Blue Highlighter)	REMARK INCORPORATION	DATE	ORIGINATOR VERIFICATION	(Pink Highlighter)	CORRECT



- NOTES:**
- ALL UTILITY CONSTRUCTION SHALL CONFORM TO E.C.U.A. STANDARD GUIDELINES AND SPECIFICATIONS, LATEST EDITION, AND STANDARD DETAILS.
 - THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AS TO SIZE, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING SIZE, TYPE, LOCATION, AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFYING THE INVOLVED UTILITY PROVIDERS TO MAKE ANY NECESSARY ARRANGEMENTS FOR RELOCATION, DISRUPTION OF SERVICE OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. THE RESPECTIVE UTILITY PROVIDERS SHALL RELOCATE UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION AND THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY PROVIDERS DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED BY THE INVOLVED UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT.
 - THE CONTRACTOR SHALL ADHERE TO FLORIDA STATUTE CHAPTER 556 AND THE SUNSHINE 811 OF FLORIDA. CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND THE SUNSHINE UNDERGROUND NOTIFICATION CENTER AT 811 AT LEAST 48 HOURS PRIOR TO START OF WORK. CONTRACTOR IS RESPONSIBLE FOR CONTINUAL MAINTENANCE OF ALL UTILITY LOCATES, FLAGS, MARKINGS, ET CETERA THROUGH THE ENTIRE DURATION OF CONSTRUCTION.
 - UTILITY SERVICES TO THE PROPOSED BUILDING(S) SHALL TERMINATE 5 FEET OUTSIDE OF THE BUILDING UNLESS OTHERWISE NOTED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REVIEW BUILDING ARCHITECTURAL AND PLUMBING PLANS TO VERIFY PROPER CONTINUATION OF THE PROPOSED UTILITIES FOR LOCATION, ALIGNMENT AND ELEVATION(S) FOR EACH SERVICE TO THE BUILDING(S). SHOULD UTILITY SERVICE LATERALS SHOWN ON THE SITE CIVIL CONSTRUCTION PLANS NOT CORRESPOND WITH BUILDING ARCHITECTURAL OR PLUMBING PLANS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
 - ALL VALVE BOXES SHALL BE SET FLUSH IN A CONCRETE COLLAR TO FINISH GRADE. ALL CONCRETE VALVE COLLARS SHALL BE CIRCULAR PRECAST MEMBER WITH A MINIMUM ANNULAR COVERAGE OF 6-INCHES.
 - THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL CODES, RULES AND REGULATIONS REGARDING UTILITY LOCATIONS. THE CONTRACTOR IS COMPLETELY AND SOLELY RESPONSIBLE FOR ALL DAMAGES TO ANY UTILITIES CAUSED AS A RESULT OF, OR BY, THE CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES ON THESE PLANS IS SHOWN IN AN APPROXIMATE WAY ONLY AND WAS TAKEN FROM LIMITED FIELD LOCATES AND THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL CONTACT GULF POWER AND/OR AT&T TO SUPPORT OR RELOCATE EXISTING POLES DURING CONSTRUCTION IF NECESSARY. THE CONTRACTOR SHALL PAY THE RESPECTIVE COMPANY FOR THIS WORK. THE CONTRACTOR SHALL COORDINATE ALL OTHER UTILITY WORK OR CONNECTIONS WITH THE APPROPRIATE UTILITY COMPANIES. UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN.
 - ALL NEW UTILITY MAINS (POTABLE WATER, RECLAIMED WATER, OR SANITARY FORCEMAINS) SHALL HAVE A MINIMUM COVER OF 30-INCHES AND A MAXIMUM COVER OF 36-INCHES, UNLESS OTHERWISE NOTED.
 - AT TIMES WHEN PIPE INSTALLATION IS NOT IN PROGRESS, THE OPEN ENDS OF THE PIPE SHALL BE CLOSED BY AN APPROVED MEANS AND SHALL REMAIN CLOSED UNTIL CONSTRUCTION OF THAT PARTICULAR SECTION IS RESUMED. NO OPEN TRENCHES WILL BE ALLOWED WHEN PIPE INSTALLATION IS NOT IN PROGRESS. THE TERMINAL JOINT MAY BE LEFT EXPOSED IN AN OPEN TRENCH, PROVIDED ADEQUATE SAFETY BARRICADES ARE INSTALLED BY THE CONTRACTOR.
 - CONNECTIONS TO EXISTING WATER AND SEWER FACILITIES SHALL BE COORDINATED WITH THE EMERALD COAST UTILITIES AUTHORITY (ECUA) PRIOR TO MAKING CONNECTIONS. A REPRESENTATIVE OF ECUA SHALL WITNESS ALL CONNECTIONS AND OPERATE ALL VALVES.
 - POTABLE WATERLINE, RECLAIMED WATERLINE, AND FORCEMAIN PIPES SHALL BE ADJUSTED VERTICALLY GRADUALLY WITHOUT THE USE OF FITTINGS AS REQUIRED TO ACCOMMODATE EXISTING UTILITIES. IF GRADUAL LOWERING IS NOT POSSIBLE, APPROPRIATE FITTINGS AND JOINT RESTRAINT SHALL BE PROVIDED TO AVOID THE EXISTING CONFLICT. NO FITTINGS GREATER THAN 45° WILL BE ALLOWED. SEPARATION SHALL BE A MINIMUM OF 18" UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL REFERENCE PLAN NOTES AND CONFLICT DETAILS FOR ADDITIONAL GUIDANCE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, AND TELEGRAPH FACILITIES, SUCH AS PAVEMENTS, TRACKS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCOUNTERED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF PRIVATELY (HOMEOWNER) OWNED UNDERGROUND UTILITIES SUCH AS SPRINKLER SYSTEMS, SEPTIC DRAIN LINES, UNDERDRAINS, ETC. THAT ARE DAMAGED OR DESTROYED DURING CONSTRUCTION.
 - IN LOCATIONS WHERE CONSTRUCTION IS SHOWN CROSSING EXISTING UTILITIES, THE CONTRACTOR SHALL POTHOLE THE EXISTING UTILITIES TO CONFIRM LOCATION, SIZE AND DEPTH IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL USE THE POTHOLE INFORMATION TO PROVIDE THE REQUIRED CLEARANCE BETWEEN THE PROPOSED UTILITY LINE ABOVE OR BELOW THE EXISTING UTILITIES.
 - CONTRACTOR SHALL COORDINATE SERVICE OUTAGES RELATED TO UTILITY TIE-INS WITH E.C.U.A. STAFF. CONTRACTOR IS ADVISED THAT TIE-INS MAY NEED TO BE MADE OVERNIGHT DURING OFF-PEAK HOURS.
 - THE ECUA ENGINEERING MANUAL, DATED DECEMBER 18, 2014, ALONG WITH UPDATE # 1 DATED SEPTEMBER 1, 2016 (HEREINAFTER "MANUAL"), LOCATED AT WWW.ECUA.FL.GOV, IS HEREBY INCORPORATED BY REFERENCE INTO THIS PROJECT'S OFFICIAL CONTRACT DOCUMENTS AS IF FULLY SET FORTH THEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE MANUAL. THE CONTRACTOR SHALL PROVIDE ITS EMPLOYEES ACCESS TO THE MANUAL AT ALL TIMES, VIA PROJECT SITE OR OFFICE, VIA DIGITAL OR PAPER FORMAT. IN THE EVENT OF A CONFLICT BETWEEN THE MANUAL AND PLANS, CONTRACTOR SHALL CONSULT ENGINEER OF RECORD FOR PROPER RESOLUTION.
 - SEE SHEETS C-208, C-400 AND C-401 FOR ADDITIONAL UTILITY DESIGN INFORMATION RELATED TO WORK WITHIN THE GALVEZ ROAD RIGHT-OF-WAY.
 - ALL PROPOSED UTILITIES SHOWN OUTSIDE RIGHT-OF-WAY WILL BE PRIVATELY OWNED, OPERATED AND MAINTAINED.
 - IT IS ASSUMED THAT UTILITIES WILL BE INSTALLED IN ADVANCE OF THE ROADWAY REBUILD. THEREFORE, ASPHALT CUT & PATCH SHOWN ON THIS SHEET IS INTENDED TO BE COMPLETED BEFORE FINAL ROADWAY RESURFACING. CONTRACTOR WILL MAINTAIN PATCHES UNTIL FINAL ROADWAY RESURFACING.
 - UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITY OWNERS INCLUDE:
 - SEWER/WATER - EMERALD COAST UTILITY AUTHORITY
MR. BRANDON KNIGHT
P.O. BOX 15311
PENSACOLA, FL 32514
PH: (850) 698-4609
 - ELECTRIC - GULF POWER
MR. SCOTT LEE
ONE ENERGY PLACE
PENSACOLA, FL 32520
PH: (850) 444-6420
 - NATURAL GAS - ENERGY SERVICES OF PENSACOLA
MR. DIANE MOORE
1625 ATWOOD DRIVE
PENSACOLA, FL 32514
PH: (850) 474-5319
 - FIBER OPTIC - UNIFI FIBER, LLC
MR. D.J. MCAULLEY
107 ST. FRANCIS STREET, SUITE 1800
MOBILE, AL 36602
PH: (877) 652-2321
 - TELEPHONE - AT&T FLORIDA
MR. ROB ST. PIERRE
605 W. GARDEN STREET
PENSACOLA, FL 32502
PH: (850) 436-1701
 - SUNSHINE STATE ONE-CALL
7200 LAKE ELLENOR DRIVE, SUITE 200
ORLANDO, FL 32809
PH: 811
 - CABLE - COX CABLE
MR. TROY YOUNG
2421 EXECUTIVE PLAZA
PENSACOLA, FL 32504
PH: (850) 857-4564

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

UTILITY PLAN
(SITE IMPROVEMENTS)

EXCELLENCE IN ENGINEERING SERVICE
1414 THE PALM BEACHES BOULEVARD, SUITE 100
PALM BEACHES, FLORIDA 33480
PH: (888) 888-5838
CERTIFICATED AUTHORIZATION: CA 5888

ISSUED BY: BRANDON KNIGHT
DATE: 03/09/2021
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER
LICENSE NO. 12503
EXPIRES: 03/09/2024

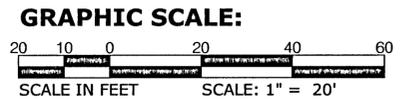
DESIGNED BY: NICHOLAS CHEALVIN
DATE: MARCH 2021
PROJECT NO.: 170001-004
SHEET NO.: 13 OF 61

APPROVED BY: [Signature]
DATE: [Date]

MUNICIPAL

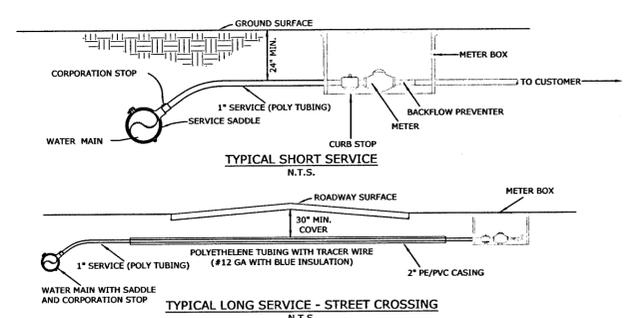
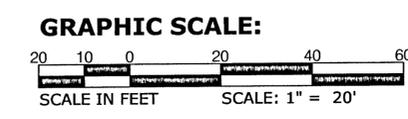
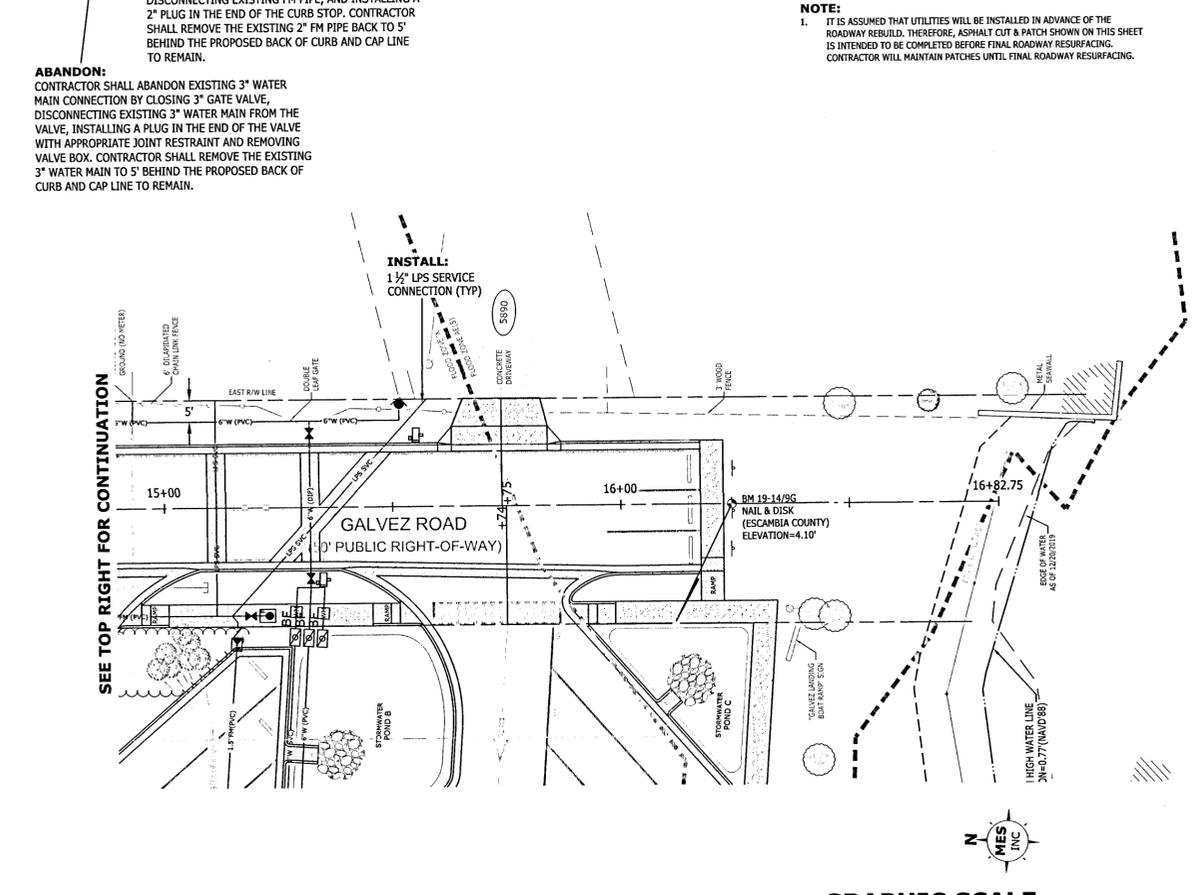
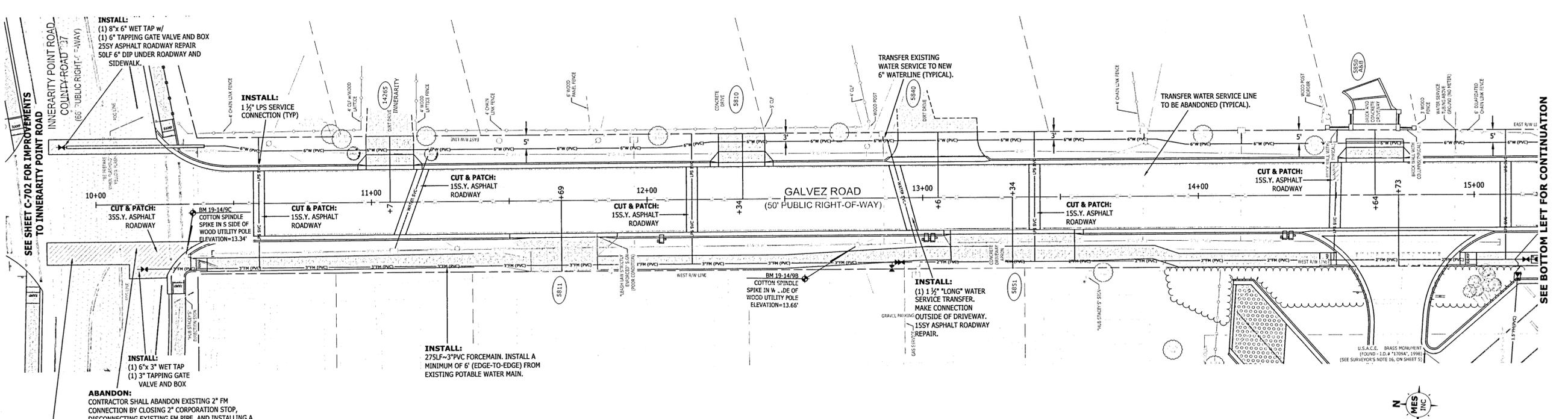
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PROJECT NUMBER: 170001-004
SURVEY NUMBER: RBA
ESC CNTY NUMBER: 2019.013/L-4903

SHEET 13 OF 61



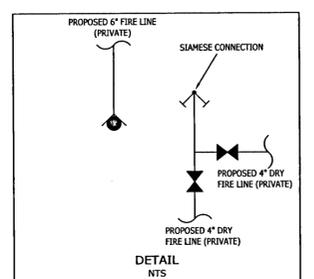
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VERIFICATION CHECKER (QR)	DATE	ORIGINATOR (RP)	DATE
REMARK INCORPORATION (Blue Highlighter)	DATE	CHECKER (RP)	DATE
ORIGINATOR VERIFICATION (Correct (Pink Highlighter))	DATE	CHANGE INCORPORATION (Yellow Highlighter)	DATE
ORIGINATOR (QR)	DATE	ORIGINATOR (RP)	DATE
CHECKER (RP)	DATE	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE
CHANGE INCORPORATION (Yellow Highlighter)	DATE	PHASE REVIEW	DATE
		SIGNATURE:	

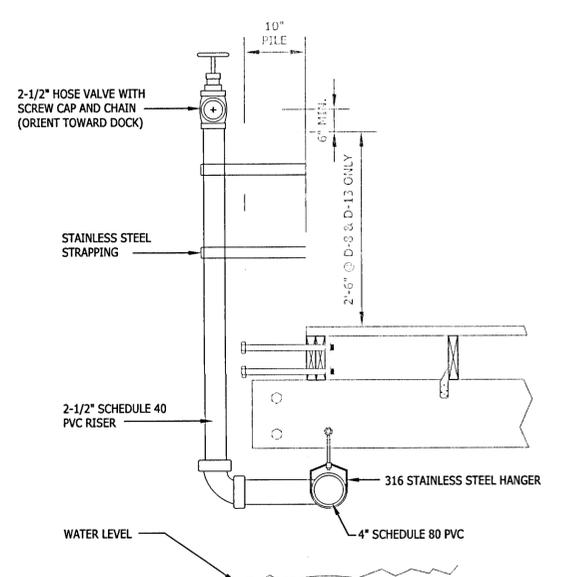
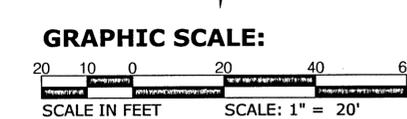


- WATER SERVICE TRANSFER NOTES:**
- EXISTING METER SHALL REMAIN. NEW SERVICE TUBING SHALL BE CONNECTED TO THE EXISTING METERS AS SHOWN.
 - CONTRACTOR SHALL INSTALL ALL SERVICES TO PROVIDE 24" MIN. SEPARATION (ABOVE/BELOW) PROPOSED STORM/SANITARY SEWER WHILE STILL MAINTAINING 36" MINIMUM COVER.
 - LONG SERVICES SHALL MATCH THE ELEVATION OF THE MAIN LINE ACROSS ROADWAY & TURN UP AT RIGHT-OF-WAY LINE AT METER BOX.
 - SERVICE TUBING SHALL BE ONE CONTINUOUS PIECE OR SHALL BE BUTT FUSED PER MANUFACTURER'S RECOMMENDATIONS. NO MECHANICAL COUPLINGS WILL BE ALLOWED.
 - OPEN CUTS FOR SERVICES WILL BE ALLOWED.
 - ALL WORK ON PRIVATE PROPERTY (CUSTOMER SIDE OF THE METER) SHALL BE COMPLETED BY A LICENSED PLUMBER IN ACCORDANCE WITH STATE LAW.
 - ALL SERVICE TRANSFERS ASSUME THAT ALL WATER CONNECTION ASSEMBLY PARTS AND PIECES ARE TO BE REPLACED AS PART OF THIS PROJECT.
 - ABANDONMENT OF THE EXISTING SERVICES SHALL CONSIST OF:
 - CLOSING THE CORPORATION STOP.
 - PHYSICALLY REMOVING THE EXISTING SERVICE TUBING FROM THE CORPORATION STOP.
 - CUTTING AND CAPPING THE EXISTING TUBING.
 - INSTALLING A BRASS PLUG IN THE CORPORATION STOP.
 - SEE ALSO ECUA DETAIL D-40.

WATER SERVICE TRANSFER DETAIL
NOT TO SCALE



- NOTES:**
- SEE SHEETS C-200 THROUGH C-207 FOR ADDITIONAL DESIGN INFORMATION RELATED TO THIS PORTION OF GALVEZ ROAD.



DOCK STANDPIPE DETAIL
NOT TO SCALE

- NOTES:**
- SEE STRUCTURAL PLANS FOR ADDITIONAL LOCATION INFORMATION.
 - 4" SCH. 80 PVC SHALL REDUCE TO 2" BELOW DOCKING.

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

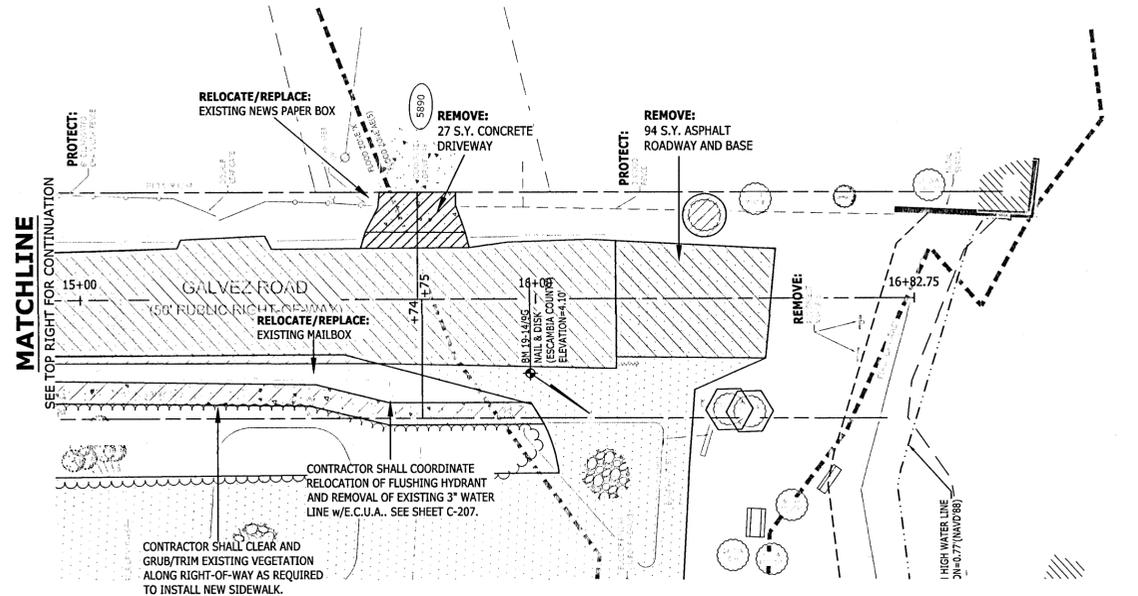
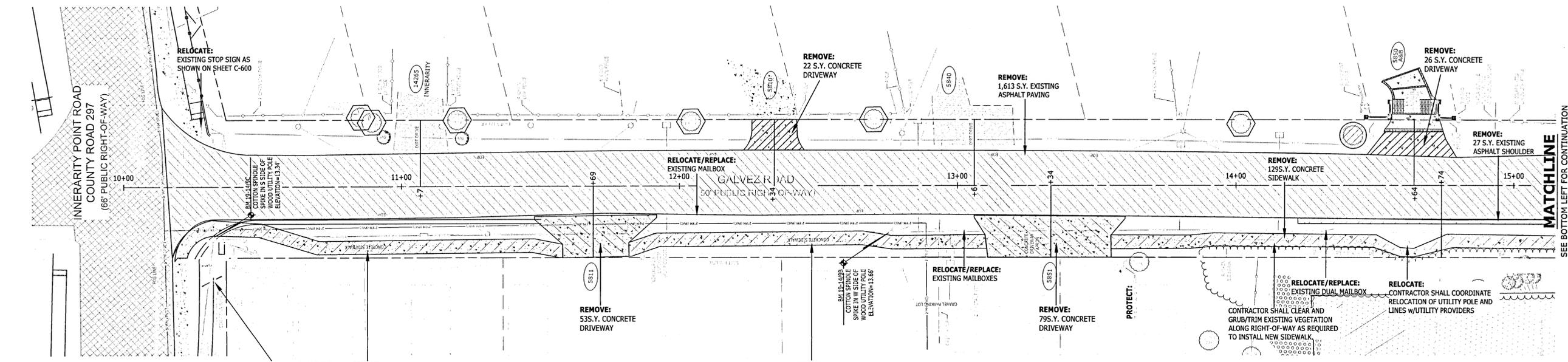
GALVEZ ROAD UTILITY PLAN

EXCELLENCE IN ENGINEERING SERVICES
8574 Turkey Bluff Road, Eric Long
Newport News, Virginia 23606
P: (850) 938-8782
CERTIFICATE OF AUTHORIZATION: CH-39986

DESIGNED BY: ERM	CHECKED BY: WVP II
DATE: MARCH 2021	DISTRICT: 2
PROJECT MANAGER: NICHOLAS CHAUVIN	SECTION/TOWNSHIP RANGE: BA/FB 18-HPH-1133C CONT. FB 65. FB 65-4 14-35-32W

DRAWING NUMBER: C-208
PROJECT NUMBER: 170001-1004
SURVEY NUMBER: 2019.013/L-4903
SHEET: 14 OF 61

PHASE	REVIEW	DATE	ORIGINATOR (PP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE	ORIGINATOR (QR)	CORRECT (Green Highlighter) Change (Red Pen)	DATE	VERIFICATION, CHECKER (QR)	(Blue Highlighter)	DATE
SIGNATURE:	CHECKER (RP)	DATE	CHECKER (RP)	CHANGE INCORPORATION (Yellow Highlighter)	DATE	CHECKER (RP)	(Red Pen X-Out to Disagree or Remark)	DATE	REMARK INCORPORATION (Blue Highlighter)	(Blue Highlighter)	DATE
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- NOTES:**
1. WHILE NOT SHOWN ON THE PLANS FOR CLARITY, THE CONTRACTOR SHALL INSTALL SILT FENCE WITHIN THE PROJECT LIMITS AS REQUIRED TO CONTROL SEDIMENTATION.
 2. ALL EXISTING MAIL BOXES SHALL BE REPLACED AND RELOCATED (IF REQUIRED) TO THE NEW EDGE OF PAVEMENT PER THE GENERAL NOTES. THE NEW MAILBOX LOCATION SHALL BE COORDINATED WITH THE RESIDENT AND SHALL MEET USPS REQUIREMENTS.
 3. EXISTING WATER METERS THAT ARE DETERMINED TO INTERFERE WITH THE WORK SHALL BE RELOCATED TO THE RIGHT OF WAY LINE. RELOCATION SHALL BE COORDINATED WITH ECUA AND RESIDENT.
 4. 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.
 5. SEE ADDITIONAL DEMOLITION AND EROSION CONTROL NOTES FROM SHEET C-201.

GALVEZ LANDING BOAT RAMP IMPROVEMENTS
DEMOLITION AND EROSION CONTROL PLAN
GALVEZ ROAD

MUNICIPAL
 EXCELLENCE IN ENGINEERING SERVICE
 6874 Turf Bluff Blvd
 Navarre, Florida 32566
 P: (850) 938-4728
 CERTIFICATE OF AUTHORIZATION: CE-30896

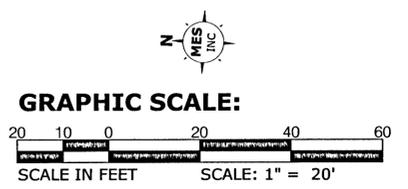
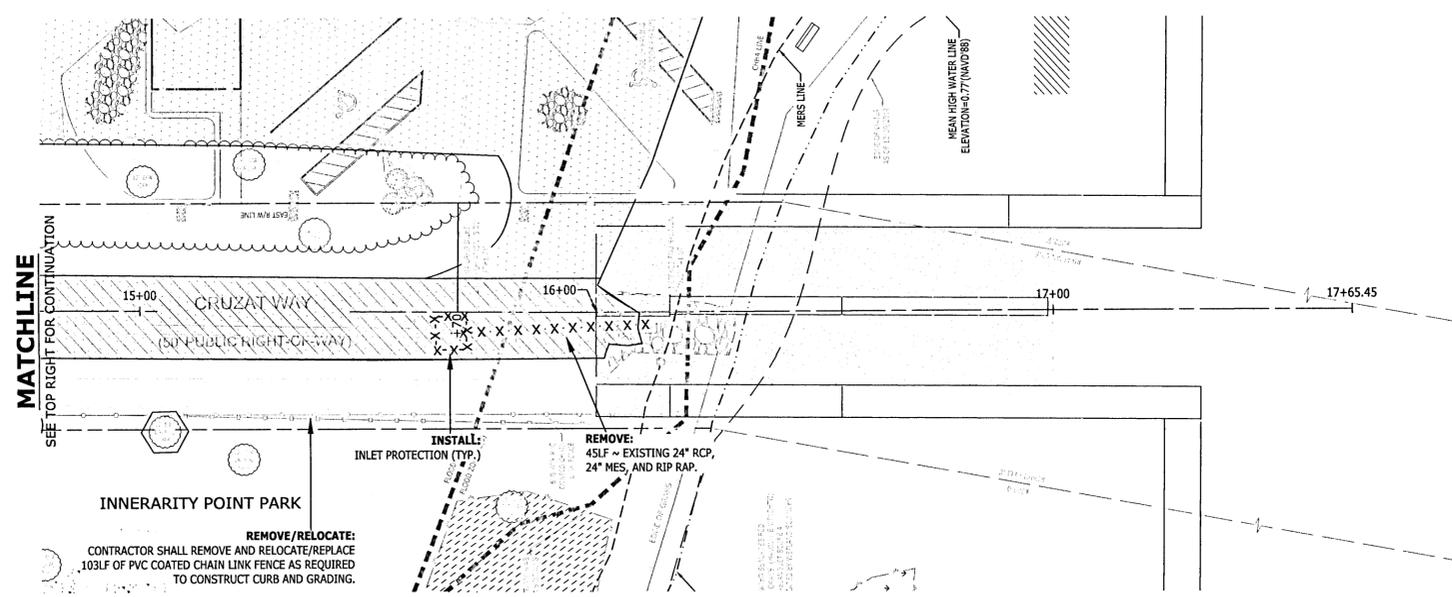
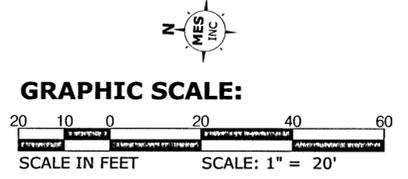
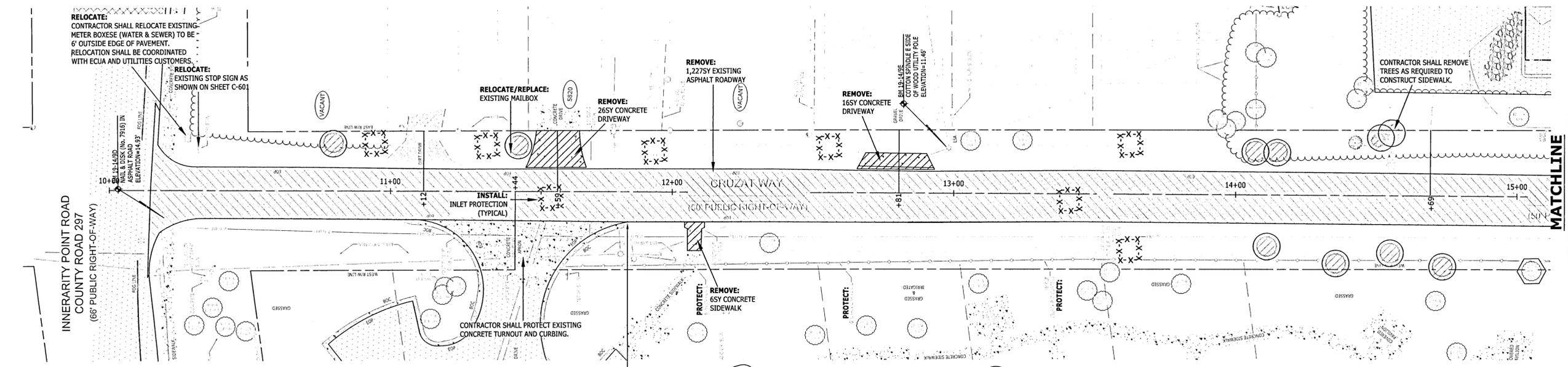
DESIGNED BY:	DEL	PROJECT MANAGER:	NICOLAS CHAUVIN
CHECKED BY:	WVP:II	DISTRICT:	2
DRAWN BY:	DATE:	SECTION/TOWNSHIP/RANGE:	14-55-31W
DATE:	MARCH 2021	FIELD BOOK / PAGES:	BA 19 16-18-11-ESCORTY 18 19 18-19

APPROVED BY:	DATE:

REVISIONS	DATE	DESCRIPTION

DRAWING NUMBER: C-300
 PROJECT NUMBER: 170001-004
 SURVEY NUMBER: 2019.013/L-4903
 SHEET: 16 OF 61

PHASE	REVIEW	ORIGINATOR (RP)	DATE	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	CHECKER (RP)	DATE	ORIGINATOR (OR)	DATE	VERIFICATION, CHECKER (OR)	DATE
SIGNATURE:									REMARK INCORPORATION (Blue Highlighter)	DATE
									ORIGINAL VERIFICATION (Correct (Pink Highlighter))	DATE



- NOTES:**
1. WHILE NOT SHOWN ON THE PLANS FOR CLARITY, THE CONTRACTOR SHALL INSTALL SILT FENCE WITHIN THE PROJECT LIMITS AS REQUIRED TO CONTROL SEDIMENTATION.
 2. ALL EXISTING MAIL BOXES SHALL BE REPLACED AND RELOCATED (IF REQUIRED) TO THE NEW EDGE OF PAVEMENT PER THE GENERAL NOTES. THE NEW MAILBOX LOCATION SHALL BE COORDINATED WITH THE RESIDENT AND SHALL MEET USPS REQUIREMENTS.
 3. EXISTING WATER METERS THAT ARE DETERMINED TO INTERFERE WITH THE WORK SHALL BE RELOCATED TO THE RIGHT OF WAY LINE. RELOCATION SHALL BE COORDINATED WITH ECUA AND RESIDENT.
 4. 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.
 5. SEE ADDITIONAL DEMOLITION AND EROSION CONTROL NOTES FROM SHEET C-201.

GALVEZ LANDING BOAT RAMP IMPROVEMENTS
DEMOLITION AND EROSION CONTROL PLAN
CRUZAT WAY

MUNICIPAL
 PROJECT NUMBER: C-301
 PROJECT NUMBER: 170001-004
 SURVEY NUMBER: 2019.013/L-4903
 SHEET 17 OF 61

DESIGNED BY: DEL
 PROJECT MANAGER: NICOLAS CHALVIN
 DRAWN BY: END
 DATE: MARCH 2021
 FIELD BOOK / PAGES: RHA FR 19-494-113-ER-CNTY FR 44 FR 68-FH 14-35-31W

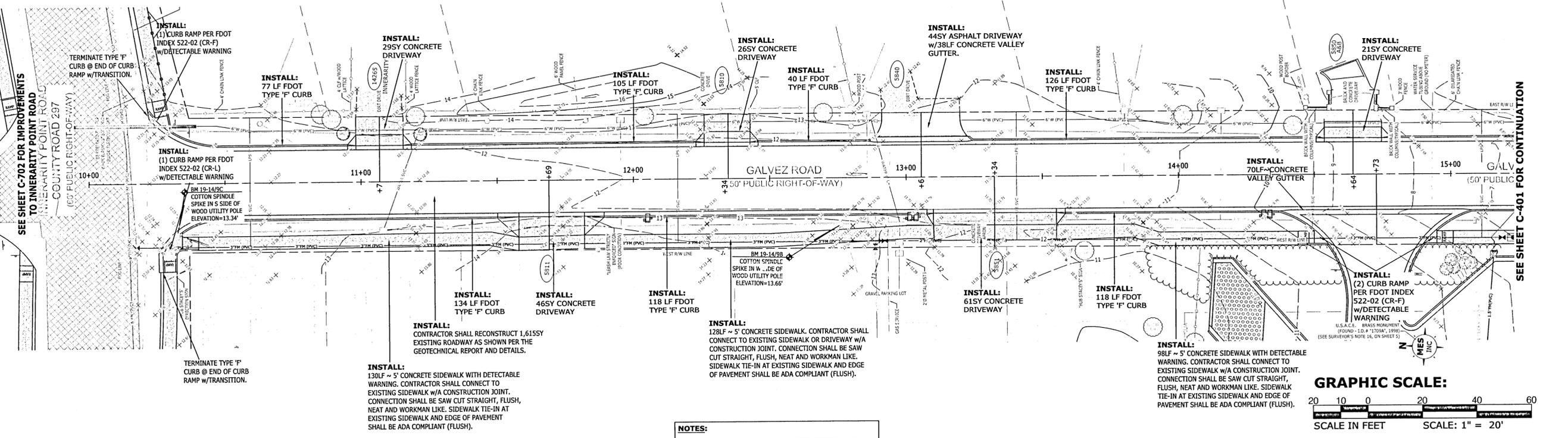
CHECKED BY: WVP, II
 DATE: []
 DISTRICT: 2

EXPERIENCE IN ENVIRONMENTAL SERVICES
 8874 THUNDER BLVD
 NASSAU, FLORIDA 32063
 P: (850) 939-4232
 CERTIFICATE OF AUTHORIZATION: CA-52898

SEE SHEET NO. [] DATE: []
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 DAVID W. FITZPATRICK
 SIGNATURE: []
 DALE E. LONG

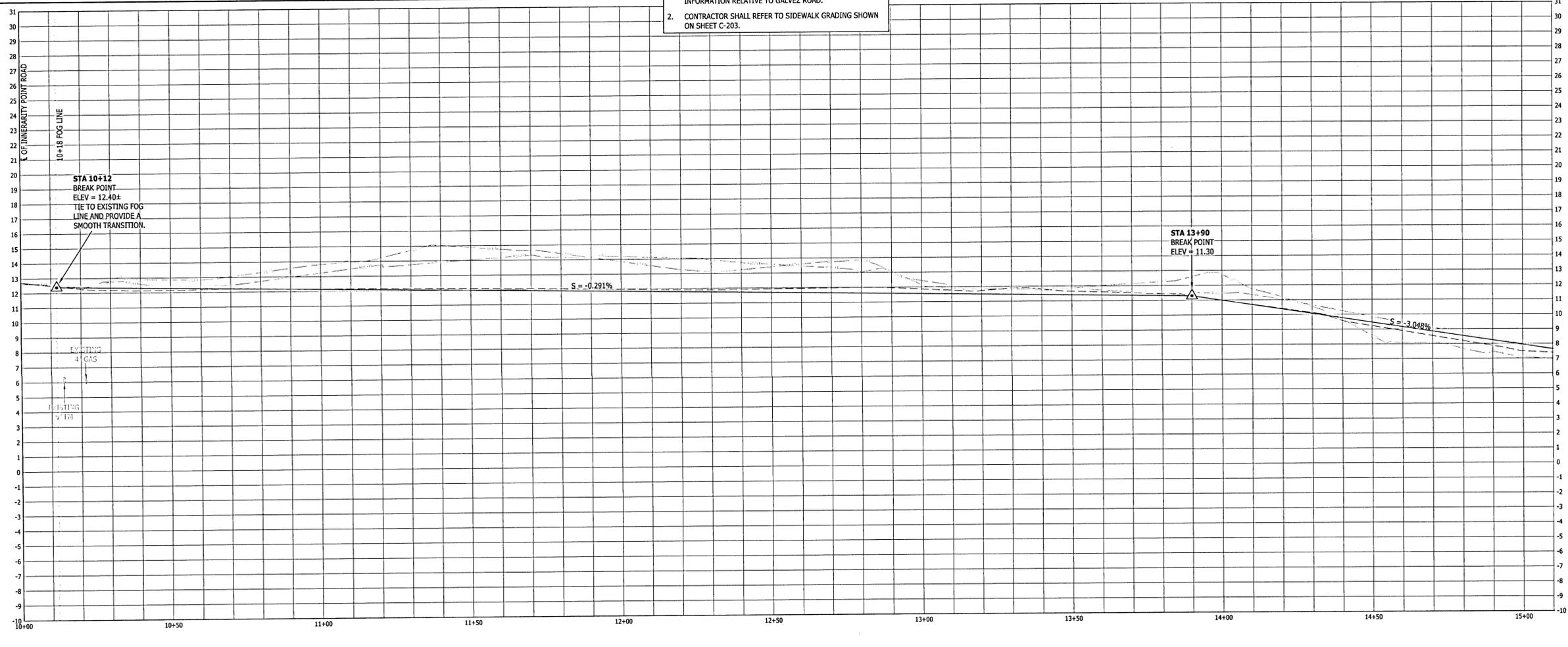
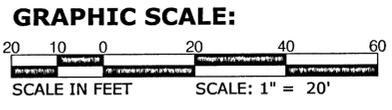
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VERIFICATION, CHECKER (QR)	REMARK INCORPORATION	VERIFICATION, CHECKER (QR)	REMARK INCORPORATION	VERIFICATION, CHECKER (QR)	REMARK INCORPORATION
ORIGINATOR (OR)	CHECKER (CP)	ORIGINATOR (OR)	CHECKER (CP)	ORIGINATOR (OR)	CHECKER (CP)
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ORIGINATOR (OR)	CHECKER (CP)	ORIGINATOR (OR)	CHECKER (CP)	ORIGINATOR (OR)	CHECKER (CP)



NOTES:

- SEE SHEETS C-200 THROUGH C-207 FOR ADDITIONAL DESIGN INFORMATION RELATIVE TO GALVEZ ROAD.
- CONTRACTOR SHALL REFER TO SIDEWALK GRADING SHOWN ON SHEET C-203.



PROFILE

SCALE: HOR. : 1" = 20'
VER. : 1" = 4'

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

PLAN AND PROFILE

GALVEZ ROAD

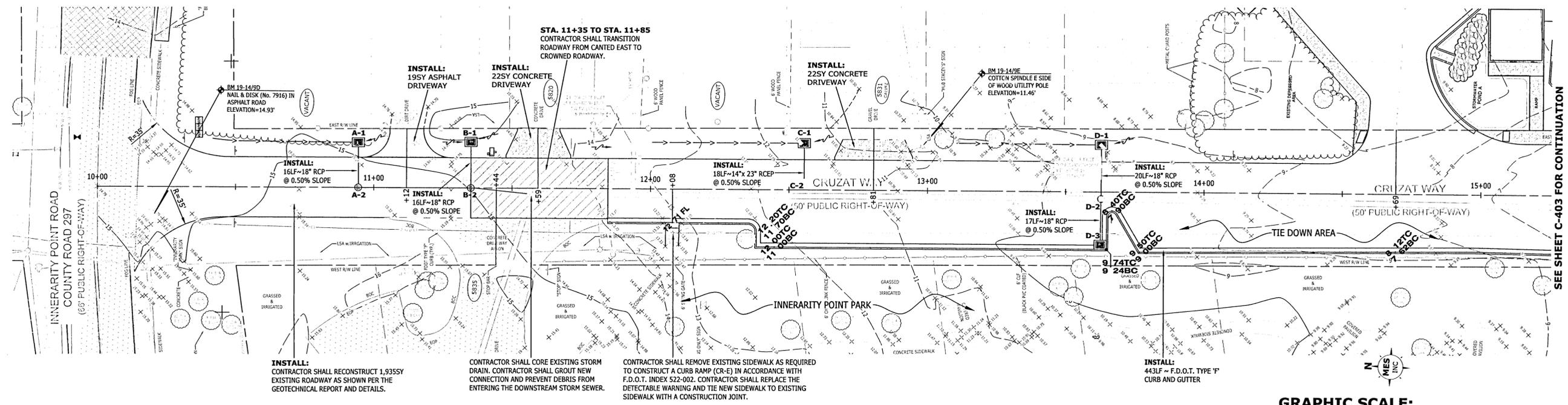
EXCELLENCE IN ENGINEERING SERVICE
8874 Turkey Bend Road
Riverside, CA 92504
REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE OF AUTHORIZATION: 014-014066

PROJECT NO. 170001-004
SHEET NO. 18 OF 61

DATE: 3/13/2021
STATE OF CALIFORNIA
COUNTY OF RIVERSIDE
DISTRICT: 2
SHEET RANGE: 14-33-33W

DRAWING NUMBER: C-400
PROJECT NUMBER: 170001-004
SURVEY NUMBER: 2019.013/L-4903
SHEET 18 OF 61

PHASE	REVIEW	DATE	ORIGINATOR (RP)	DATE	ORIGINATOR (QR)	DATE	VERIFICATION, CHECKER (QR)	DATE
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	SIGNATURE:		CHANGE INCORPORATION (Yellow Highlighter)		CORRECT (Pink Highlighter)		ORIGINATOR VERIFICATION	



INSTALL:
CONTRACTOR SHALL RECONSTRUCT 1,935SY EXISTING ROADWAY AS SHOWN PER THE GEOTECHNICAL REPORT AND DETAILS.

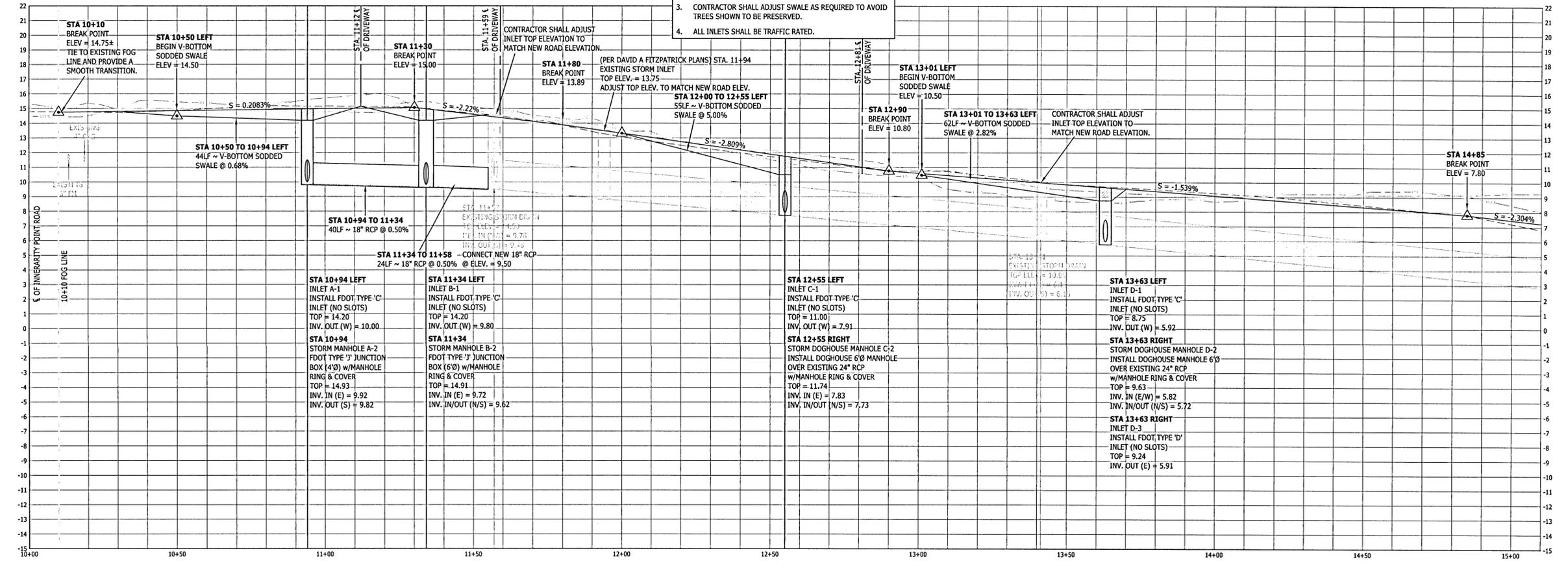
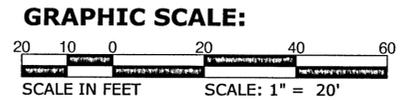
CONTRACTOR SHALL CORE EXISTING STORM DRAIN. CONTRACTOR SHALL GROUT NEW CONNECTION AND PREVENT DEBRIS FROM ENTERING THE DOWNSTREAM STORM SEWER.

CONTRACTOR SHALL REMOVE EXISTING SIDEWALK AS REQUIRED TO CONSTRUCT A CURB RAMP (CR-E) IN ACCORDANCE WITH F.D.O.T. INDEX 522-002. CONTRACTOR SHALL REPLACE THE DETECTABLE WARNING AND TIE NEW SIDEWALK TO EXISTING SIDEWALK WITH A CONSTRUCTION JOINT.

INSTALL:
443LF ~ F.D.O.T. TYPE 'F' CURB AND GUTTER

NOTES:

- SEE SHEETS C-200 THROUGH C-207 FOR ADDITIONAL DESIGN INFORMATION RELATIVE TO GALVEZ ROAD.
- CONTRACTOR SHALL REFER TO SIDEWALK GRADING SHOWN ON SHEET C-203.
- CONTRACTOR SHALL ADJUST SWALE AS REQUIRED TO AVOID TREES SHOWN TO BE PRESERVED.
- ALL INLETS SHALL BE TRAFFIC RATED.



LEGEND:

EXISTING CENTERLINE GRADE ————

EXISTING 25' O/S LEFT GRADE ———— LEFT

EXISTING 25' O/S RIGHT GRADE ———— RIGHT

PROPOSED CENTERLINE GRADE ————

PROFILE

HOR.: 1" = 20'

VER.: 1" = 4'

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

PLAN AND PROFILE

CRUZAT WAY

EXCELLENCE IN ENGINEERING SERVICE
8874 Turkey Trail Road
Narasota, Florida 33963
P: (888) 938-9735
CERTIFICATE OF ADOPTION: 16-00886

MUNICIPAL

CHECKED BY: WVP II
DESIGNED BY: NICHOLAS CHAUVIN
DATE: MARCH 2021
FIELD BOOK PAGES: 14-35-37
SECTION, TOWNSHIP RANGE: 14-35-37W

DATE	APPROVED BY:

DRAWING NUMBER: C-402

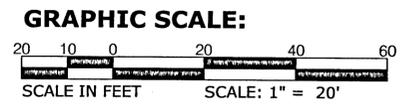
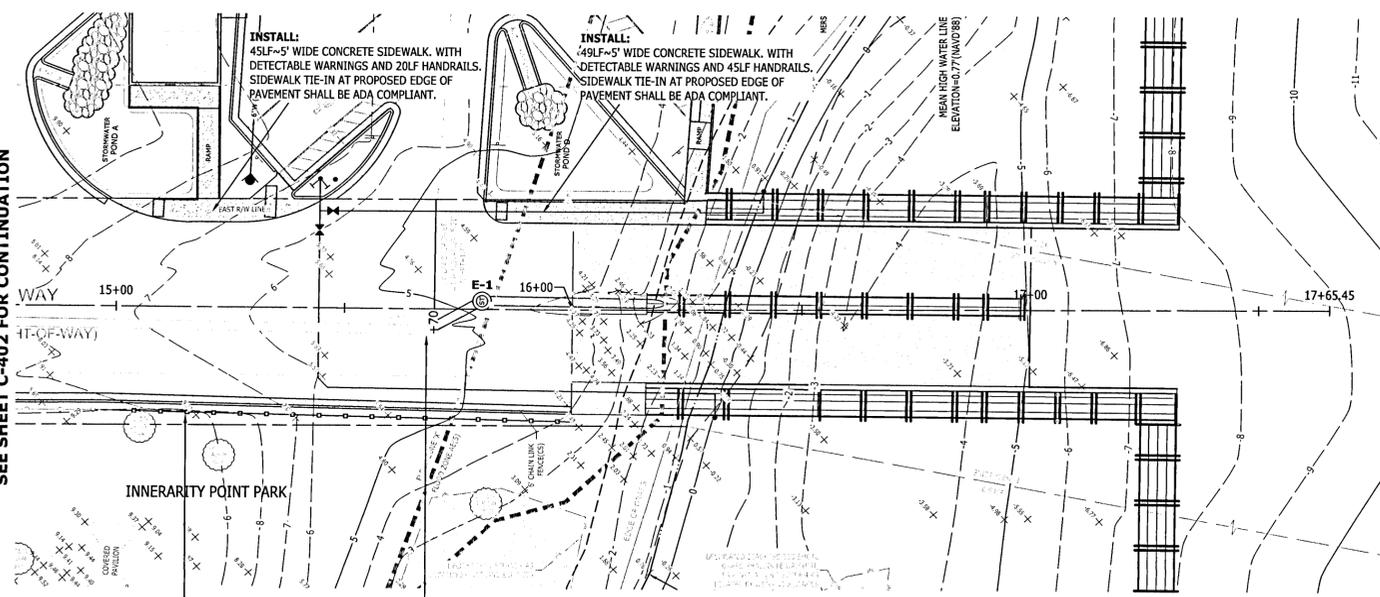
PROJECT NUMBER: 170001-004

SURVEY NUMBER: 2019.013/L-4903

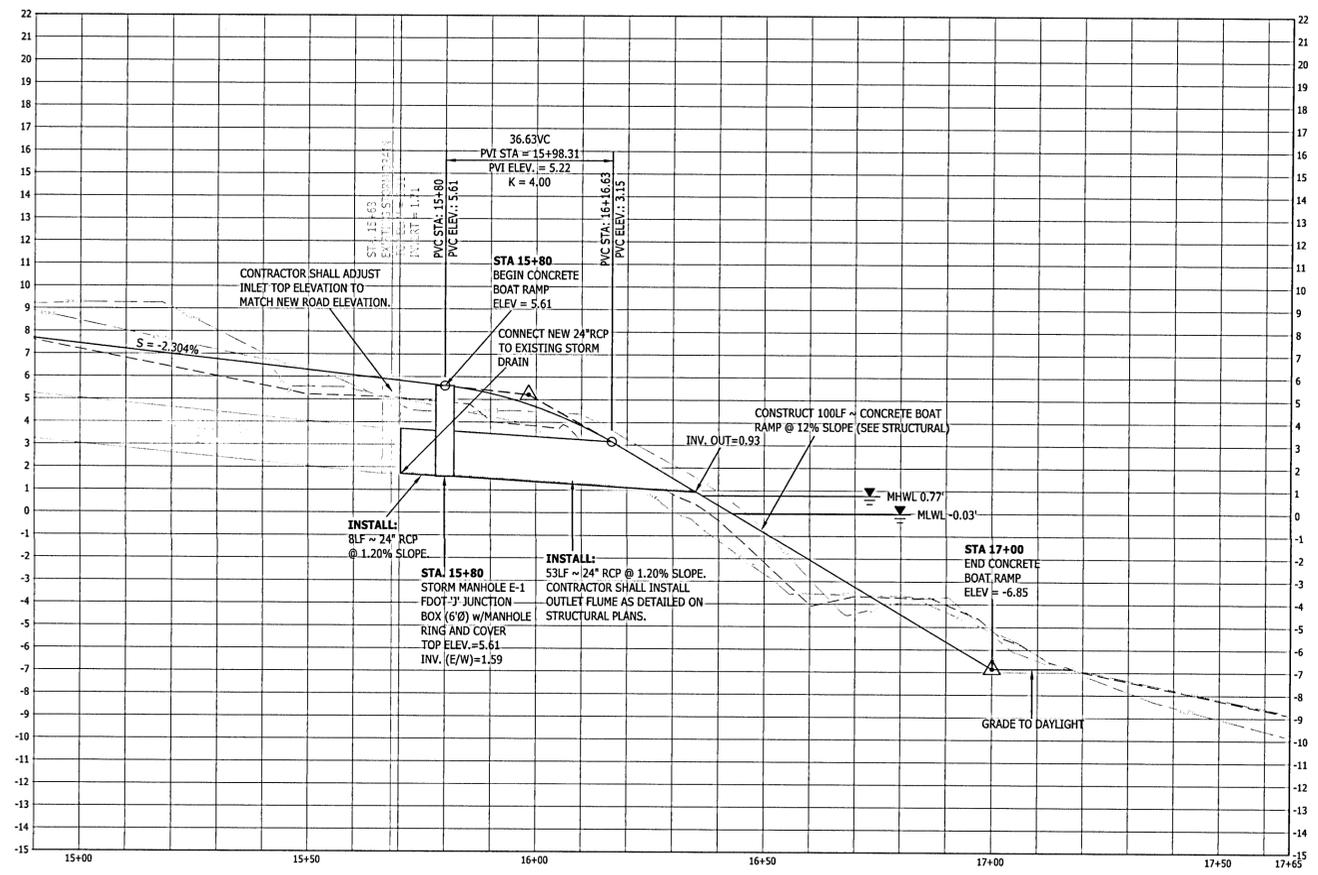
SHEET 20 OF 61

PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (QR)	CHECKER (RP)	DATE	ORIGINATOR (QR)	CHECKER (QR)	DATE
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	SIGNATURE:			CHANGE INCORPORATION (Yellow Highlighter)			REMARK INCORPORATION (Blue Highlighter)		
							ORIGINATOR VERIFICATION (Correct (Pink Highlighter))		

SEE SHEET C-402 FOR CONTINUATION



- NOTES:**
- SEE SHEETS C-200 THROUGH C-207 FOR ADDITIONAL DESIGN INFORMATION RELATED TO THIS PORTION OF GALVEZ ROAD.
 - CONTRACTOR SHALL REFER TO SIDEWALK GRADING SHOWN ON SHEET C-203.



PROFILE
 SCALE: HOR.: 1" = 20'
 VER.: 1" = 4'

GALVEZ LANDING BOAT RAMP IMPROVEMENTS
PLAN AND PROFILE
CRUZAT WAY

MUNICIPAL

EXCELLENCE IN ENGINEERING SERVICE
 8874 Turkey Bluff Road
 Navarre, Florida 32562
 P: (850) 899-8733
 CERTIFICATE OF AUTHORIZATION: CE-3886

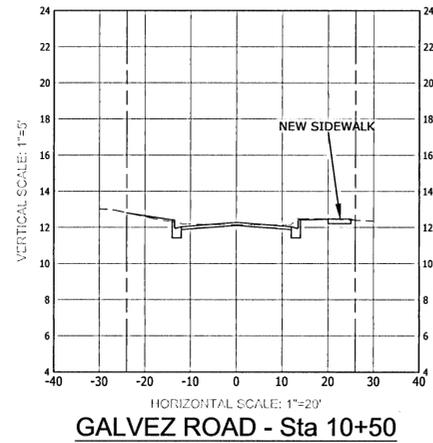
DESIGNED BY: W.P.H.
 PROJECT MANAGER: NICHOLAS CHADVIN
 CHECKED BY: W.P.H.
 DATE: MARCH 2021
 FIELD BOOK PAGES: 14-15-16
 REVISIONS: 14-15-16

DISTRICT: 2
 SECTION/TOWNSHIP/RANGE: 14-15-16W

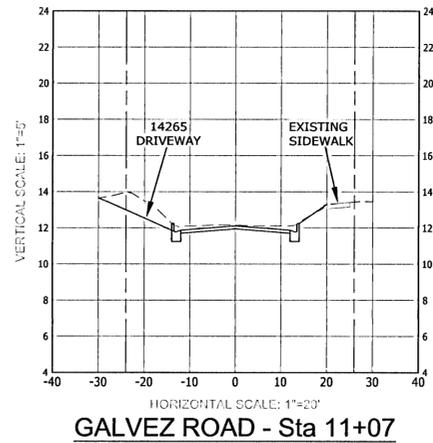
REVISIONS	DATE	APPROVED BY

DRAWING NUMBER: C-403
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 SURVEY NUMBER: RBA
 ESC CNTY: 2019.013/L-4903
 SHEET 21 OF 61

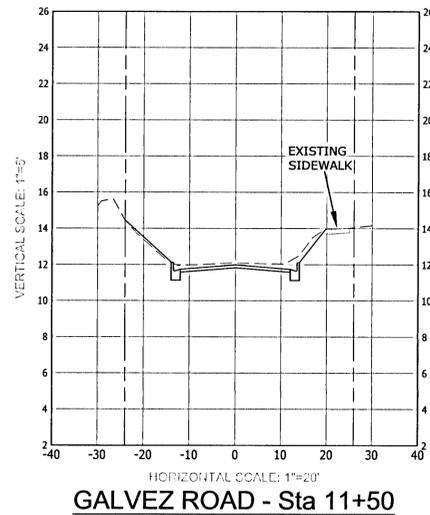
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	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)											
	CHANGE INCORPORATION (Yellow Highlighter)											
	REMARK INCORPORATION (Blue Highlighter)											
	VERIFICATION, CHECKER (QR)											



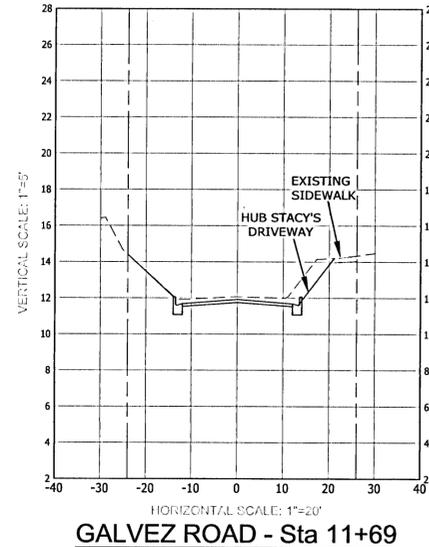
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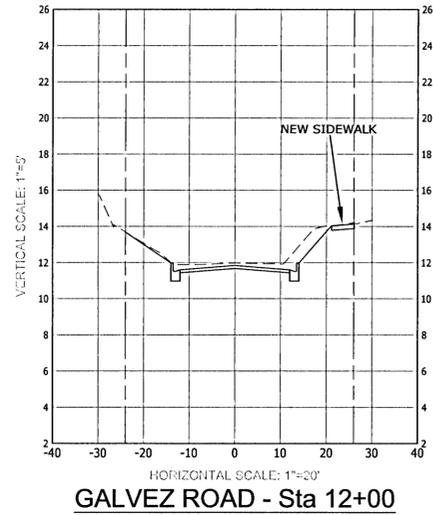
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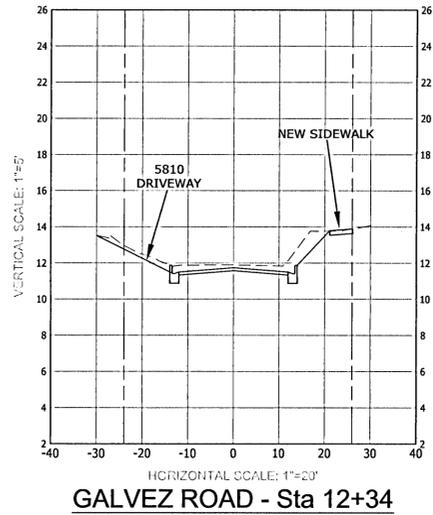
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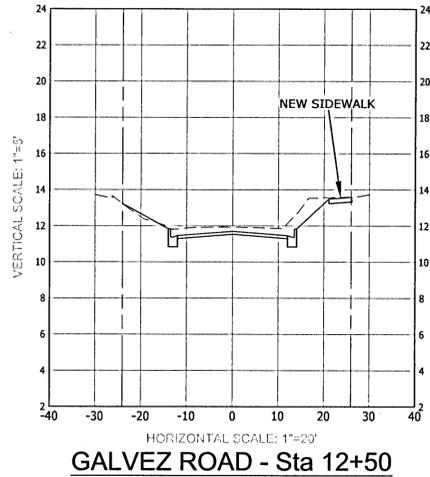
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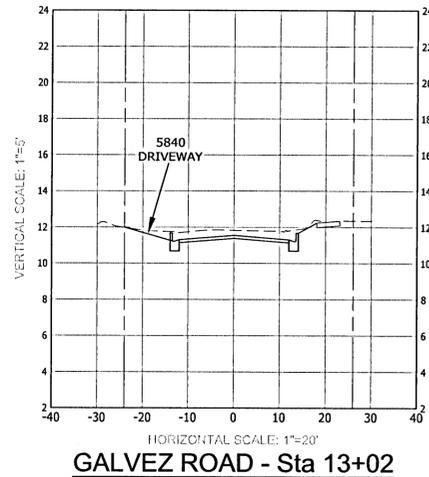
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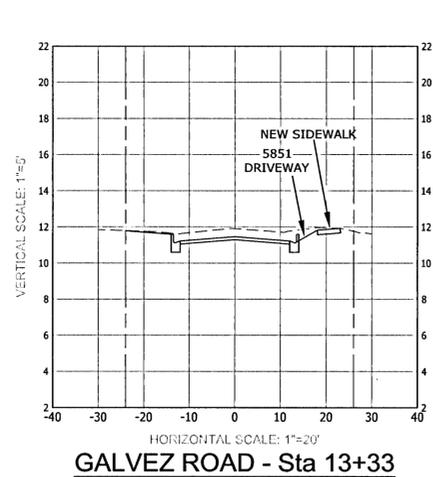
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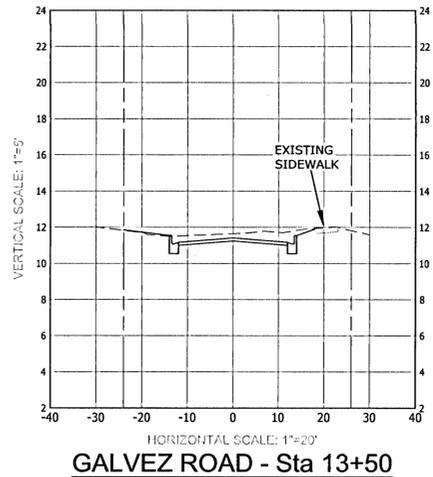
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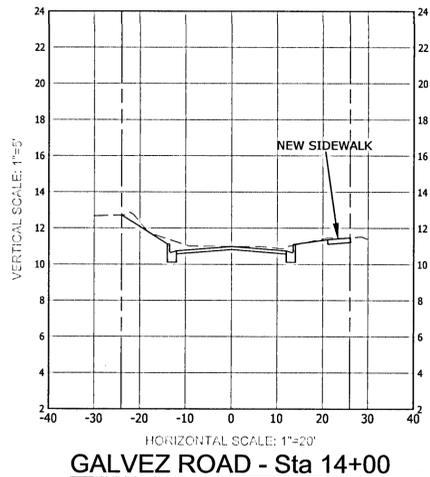
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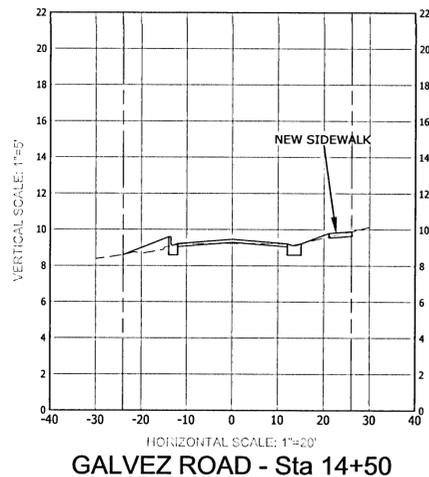
GALVEZ ROAD - Sta 13+33



GALVEZ ROAD - Sta 13+50



GALVEZ ROAD - Sta 14+00



GALVEZ ROAD - Sta 14+50

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

CROSS SECTIONS

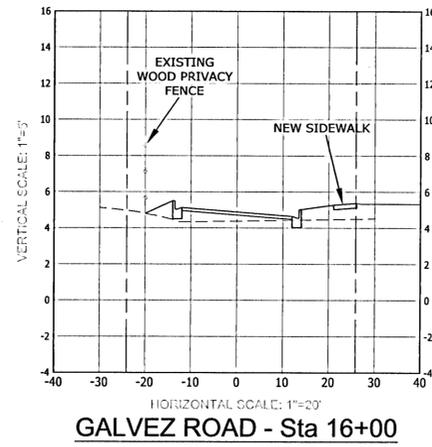
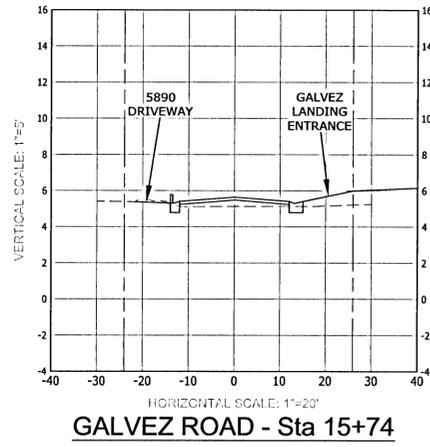
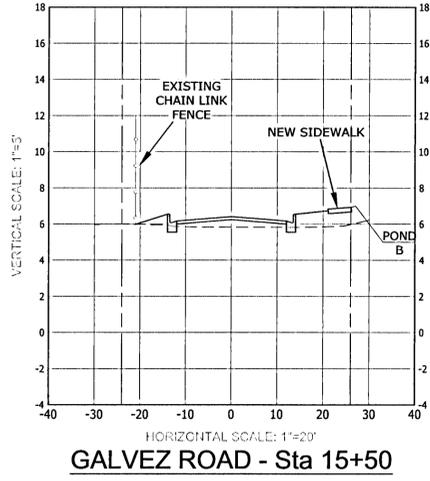
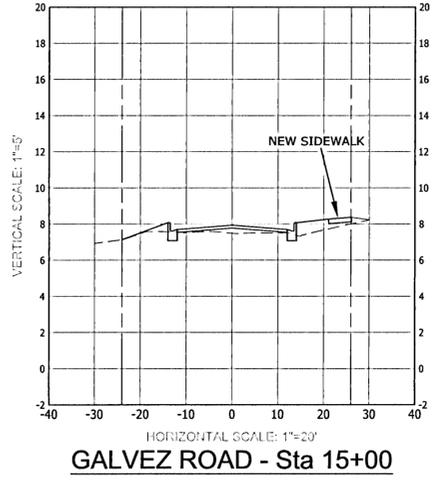
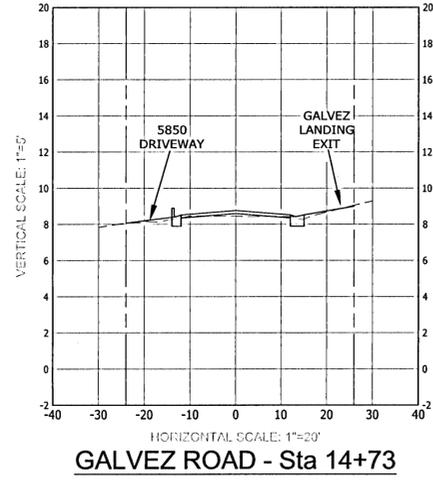
GALVEZ ROAD

DESIGNED BY:	WVJ II
CHECKED BY:	WVJ II
DATE:	MARCH 2021
PROJECT MANAGER:	NICOLAS CHAUVIN
DISTRICT:	2
SECTION/TOWNSHIP/RANGE:	14-35-37W
FIELD BOOK PAGES:	REMARKS: 424185X; 017B; 45; 18; 21

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER	C-500
PROJECT NUMBER	170001-004
SURVEY NUMBER	2019.013/L-4903
SHEET	22 OF 61

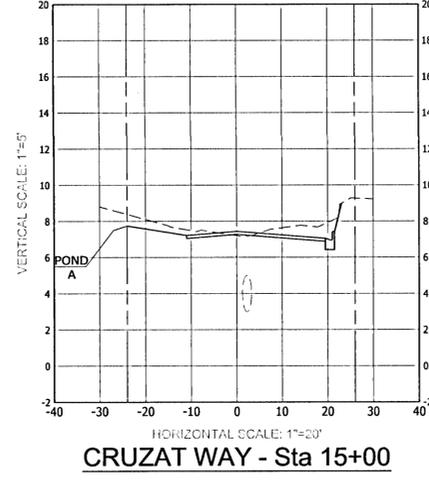
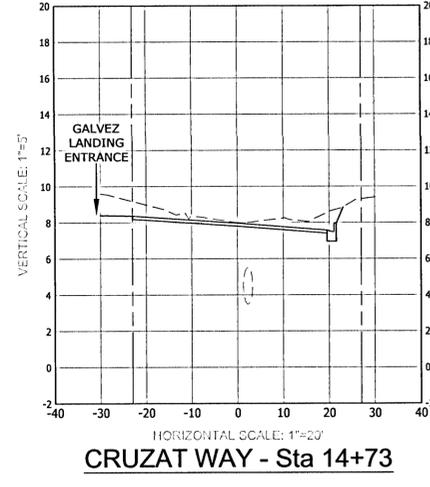
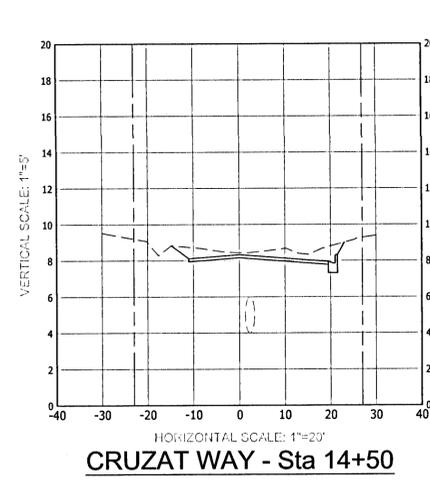
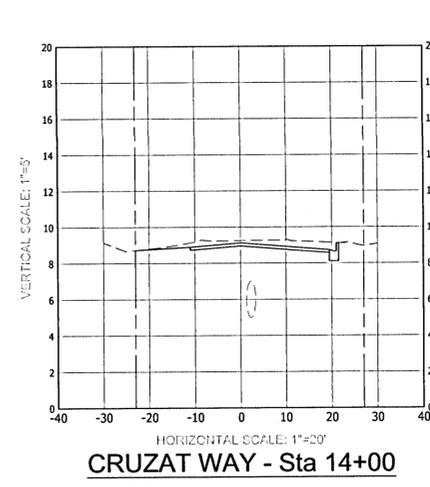
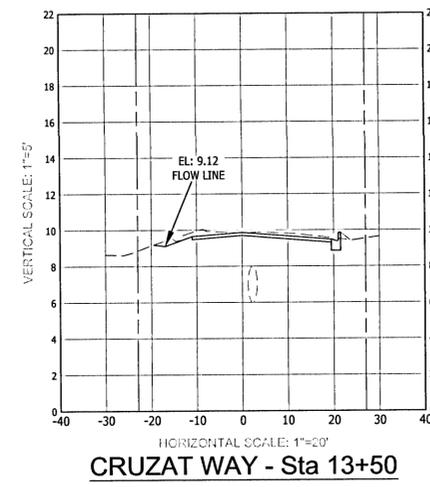
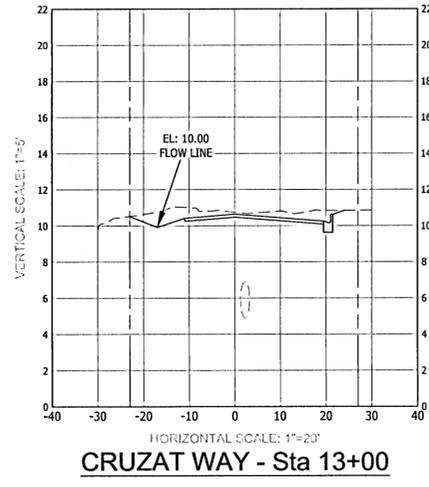
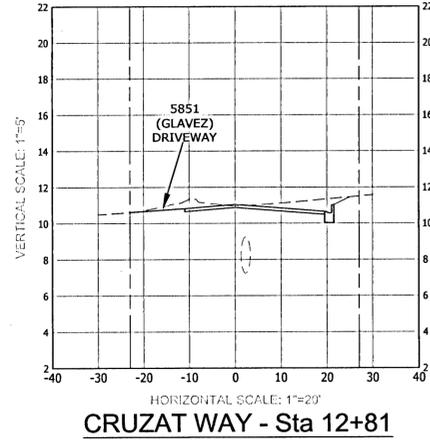
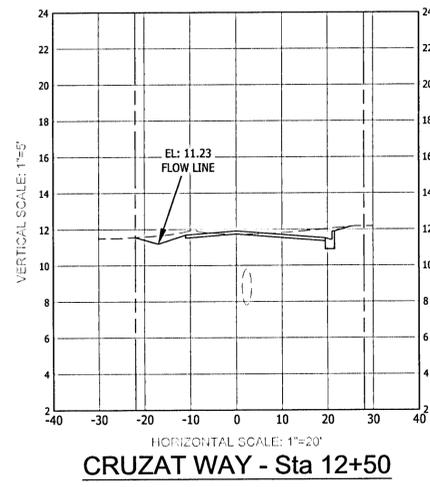
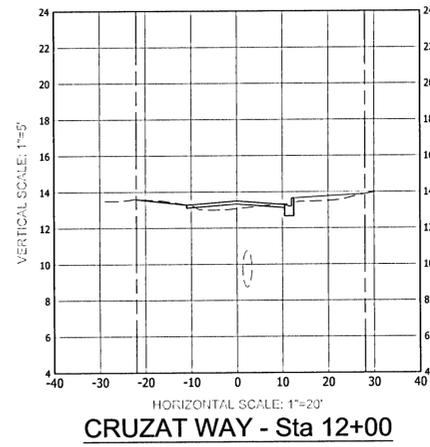
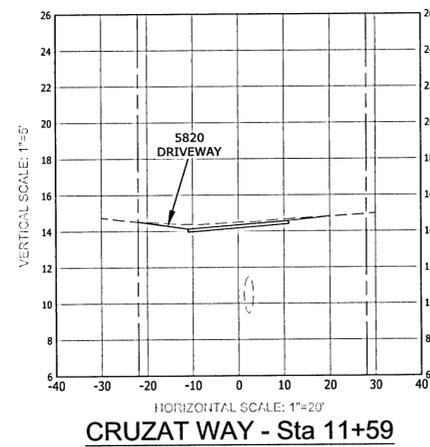
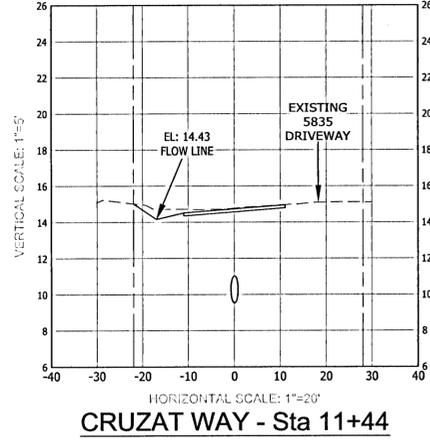
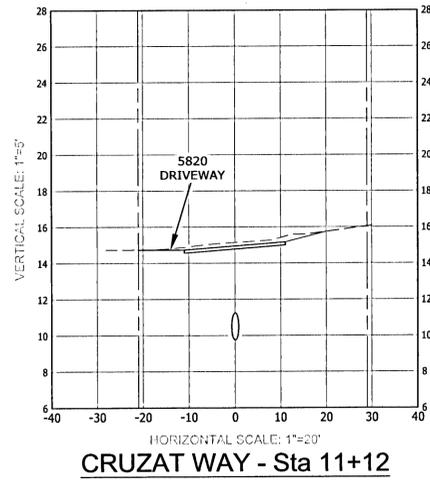
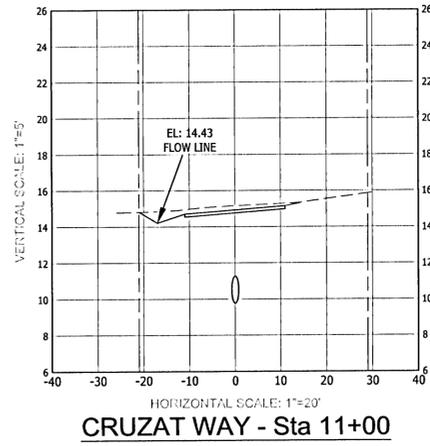
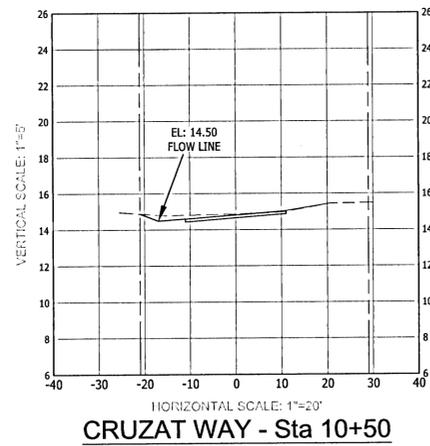
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	SIGNATURE:			CHANGE INCORPORATION (Yellow Highlighter)			CHANGE INCORPORATION					ORIGINATOR VERIFICATION (Correct (Pink Highlighter))	



		EXCELLENCE IN ENGINEERING SERVICE 8874 Turkey Blvd, Suite 100 Navarre, Florida 32568 P: (850) 938-5732 CERTIFICATE OF AUTHORIZATION: CE-00896	
DRAWN BY: EMD DATE: MARCH 2021 FIELD BOOK PAGES: RBA FB 14-APP-1; ESC CNTY FB 45; FR 68-4	DESIGNED BY: DEL PROJECT MANAGER: NICOLAS CHAUVIN SECTION/TOWNSHIP/RANGE: 2 / 14-38-32W	CHECKED BY: WVP, II DISTRICT: 2	REG. NO. 55794 STATE OF FLORIDA SIGNATURE: [Signature] DATE: 03/03/21
APPROVED BY: [Signature] DATE: [Date]		REVISIONS:	
DRAWING NUMBER: C-501 PROJECT NUMBER: 170001-004 SURVEY NUMBER: 2019.013/L-4903		SHEET 23 OF 61	

GALVEZ LANDING BOAT RAMP IMPROVEMENTS
CROSS SECTIONS
GALVEZ ROAD

PHASE REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (OR)	CORRECT (Green Highlighter) Change (Red Pen)	DATE	VERIFICATION, CHECKER (QR)	(Blue Highlighter)	DATE
	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		CHECKER (RP)	(Red Pen X-Out to Disagree or Remark)		REMARK INCORPORATION	(Blue Highlighter)	
	SIGNATURE:		CHANGE INCORPORATION	(Yellow Highlighter)		ORIGINATOR VERIFICATION	Correct (Pink Highlighter)	



GALVEZ LANDING BOAT RAMP IMPROVEMENTS
CROSS SECTIONS
CRUZAT WAY

EXCELLENCE IN ENGINEERING SERVICE
874 TURKEY BIRD ROAD, SUITE 100, AUSTIN, TEXAS 78704
PH: (800) 889-8782 OR (512) 837-8782
CERTIFICATE OF AUTHORIZATION: 00000886

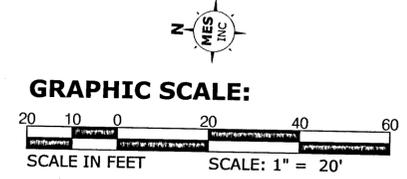
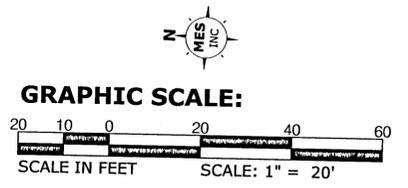
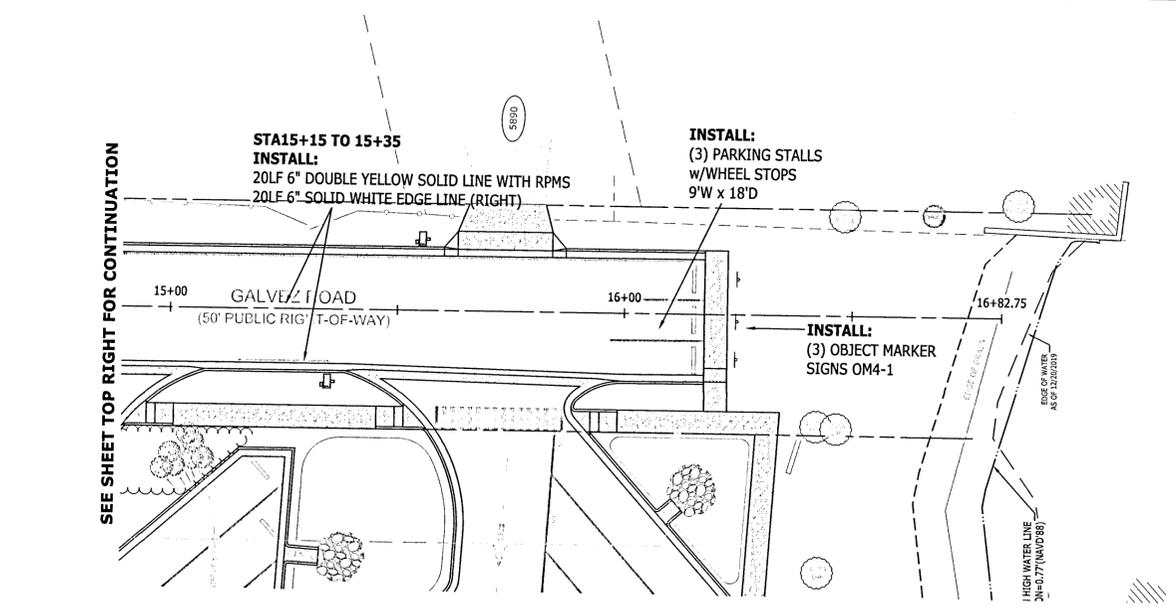
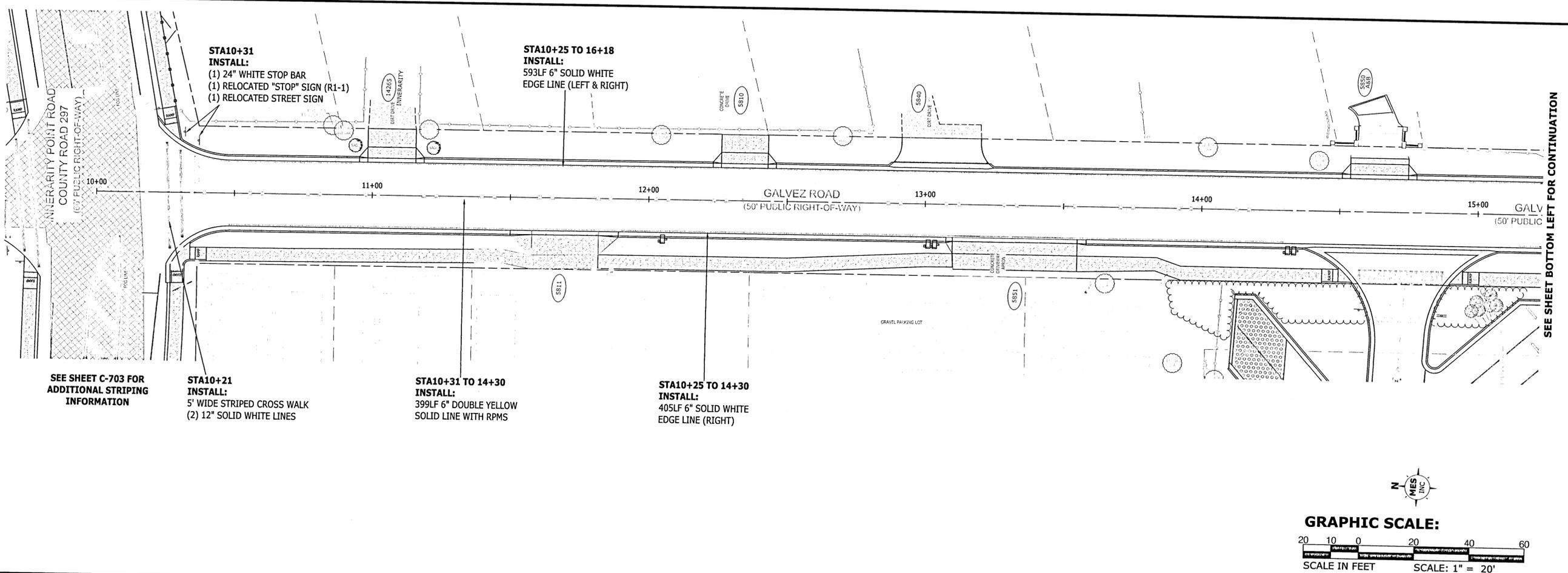
ISSUED BY:	DESIGNED BY:	CHECKED BY:
WALDO J. PETERS	DEL	WVP/LL
DATE:	PROJECT MANAGER:	DISTRICT:
MARCH 2021	NICOLAS CHALVIN	2
FILED BOOK PAGES:	SECTION / TOWNSHIP / RANGE:	
14-38-330		

NUMBER	DATE	APPROVED BY

DRAWING NUMBER	C-502
PROJECT NUMBER	170001-004
SURVEY NUMBER	RBA ESC CNTY 2019.013/L-4903
SHEET	24 OF 61

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PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (QR)	DATE	CHECKER (RP)	DATE	CHECKER (QR)	DATE	REMARK INCORPORATION (Blue Highlighter)	DATE	REMARK INCORPORATION (Blue Highlighter)	DATE	ORIGINATOR VERIFICATION (Correct [Pink Highlighter])	DATE	ORIGINATOR VERIFICATION (Correct [Pink Highlighter])	DATE



- NOTES:**
1. ALL STRIPING SHALL BE THERMOPLASTIC AND INSTALLED PER F.D.O.T. INDEX #711-001.
 2. ALL STRIPING AND SIGNAGE SHALL MEET THE REQUIREMENTS OF THE F.D.O.T./COUNTY SPECIFICATIONS AND CURRENT M.U.T.C.D.
 3. RAISED PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH F.D.O.T. INDEX #706-001.
 4. ALL SIGNS SHALL BE INSTALLED PER F.D.O.T. INDEX #700-010 AND #700-101.
 5. SEE SHEET C-204 AND C-703 FOR ADDITIONAL STRIPING DESIGN.
 6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING SIGNAGE NOTED TO BE RELOCATED, OR REPLACING AT HIS COST.

**GALVEZ LANDING BOAT RAMP IMPROVEMENTS
STRIPING AND SIGNAGE PLAN
GALVEZ ROAD**



EXCELLENCE IN ENGINEERING SERVICE
574 Turkey Bend Road, E. C. Long
P.O. Box 889, 22812
CERTIFICATE # 14538-32W
DATE OF EXPIRATION 12/31/2021

STATE OF MISSISSIPPI
REGISTERED PROFESSIONAL ENGINEER
NICHOLAS CHAUDIN
SECTION/TOWNSHIP/RANGE
14-38-32W

MUNICIPAL

DRAWN BY: EMD
DATE: MARCH 2021
FIELD BOOK PAGES: 14538-32W

DESIGNED BY: WVP II
PROJECT MANAGER: NICHOLAS CHAUDIN
SECTION/TOWNSHIP/RANGE: 14-38-32W

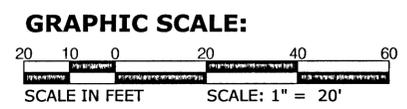
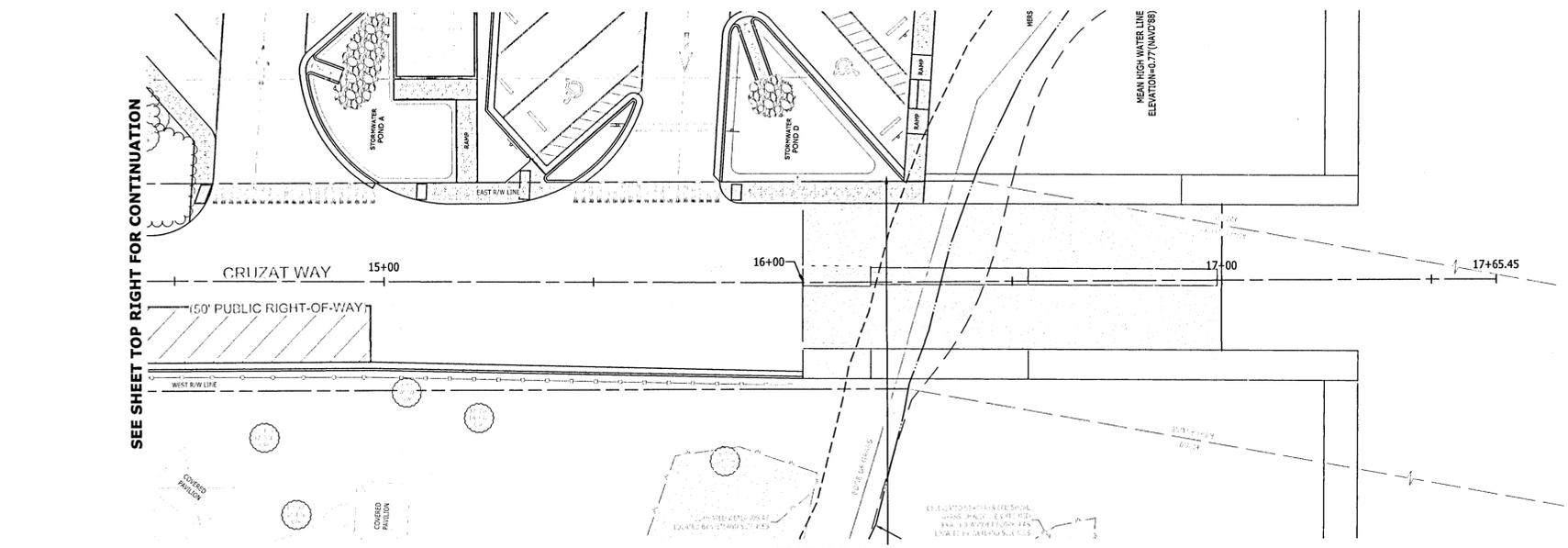
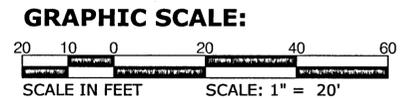
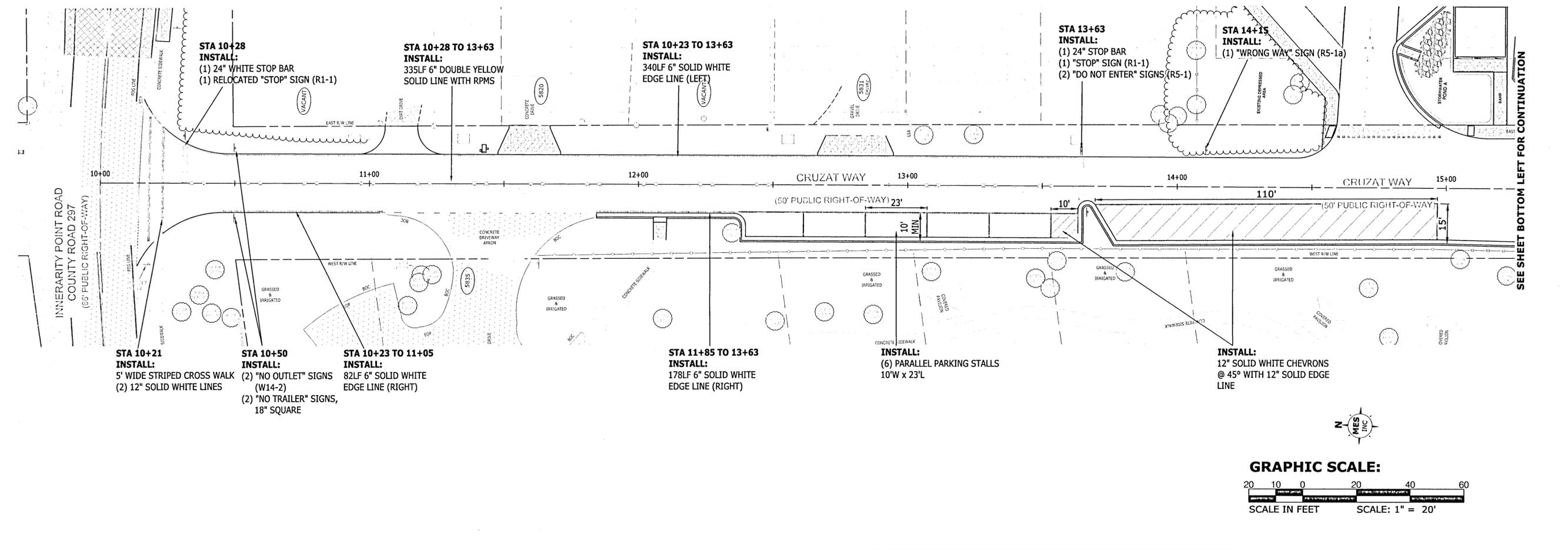
CHECKED BY: WVP II
DISTRICT: 2

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER: C-600
PROJECT NUMBER: 170001-004
SURVEY NUMBER: RBA ESC CNTY 2019.013/L-4903

SHEET 26 OF 61

PHASE	REVIEW	ORIGINATOR (RP)	CHECKER (RP)	ORIGINATOR (QR)	VERIFICATION, CHECKER (QR)	DATE
SIGNATURE:		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	(Red Pen X-Out to Disagree or Remark)	Correct (Green Highlighter) Change (Red Pen)	(Blue Highlighter)	DATE
		CHANGE INCORPORATION (Yellow Highlighter)	Correct (Pink Highlighter)			DATE



- NOTES:**
1. ALL STRIPING SHALL BE THERMOPLASTIC AND INSTALLED PER F.D.O.T. INDEX #711-001.
 2. ALL STRIPING AND SIGNAGE SHALL MEET THE REQUIREMENTS OF THE F.D.O.T./COUNTY SPECIFICATIONS AND CURRENT M.U.T.C.D.
 3. RAISED PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH F.D.O.T. INDEX #706-001.
 4. ALL SIGNS SHALL BE INSTALLED PER F.D.O.T. INDEX #700-010 AND #700-101.
 5. SEE SHEET C-204 FOR ADDITIONAL STRIPING DESIGN.
 6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING SIGNAGE NOTED TO BE RELOCATED, OR REPLACING AT THE CONTRACTOR'S COST.

SEE SHEET BOTTOM LEFT FOR CONTINUATION

SEE SHEET TOP RIGHT FOR CONTINUATION

GALVEZ LANDING BOAT RAMP IMPROVEMENTS
STRIPING AND SIGNAGE PLAN
CRUZAT WAY

MUNICIPAL

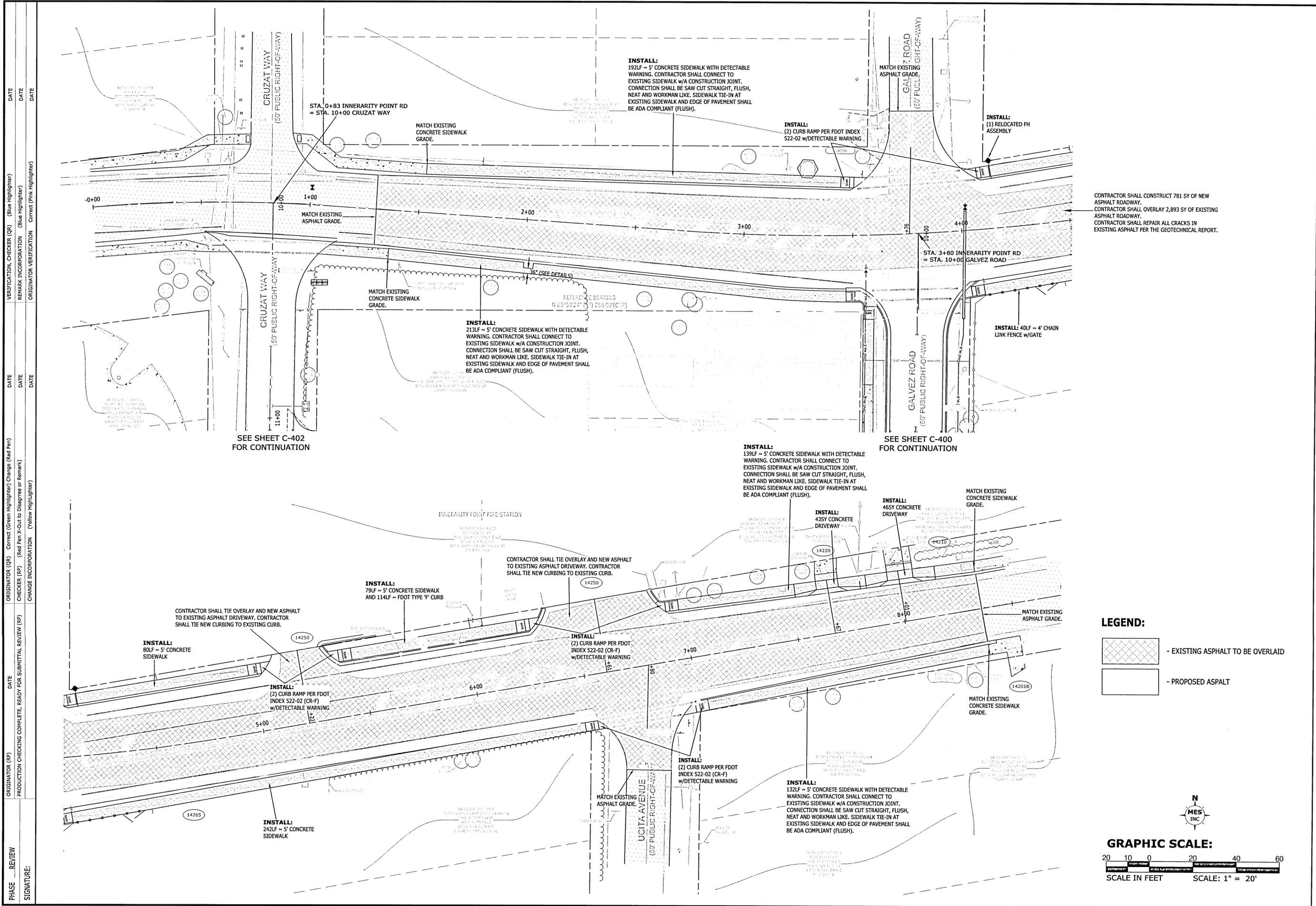
EXPERIENCE IN ENGINEERING SERVICE
 ERIC LONG
 Navarre, Florida
 License No. 12583
 State of Florida
 CERTIFICATE OF AUTHORIZATION: CA-30886

DESIGNED BY: WVP/II
 CHECKED BY: WVP/II
 PROJECT MANAGER: NICOLAS CHALVIN
 DATE: MARCH 2021
 FIELD BOOK / PAGES: SECTION/TOWNSHIP RANGE 14-35-32W

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER: C-601
 PROJECT NUMBER: 170001-004
 SURVEY NUMBER: 2019.013/L-4903
 SHEET 27 OF 61

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CONTRACTOR SHALL CONSTRUCT 781 SY OF NEW ASPHALT ROADWAY.
 CONTRACTOR SHALL OVERLAY 2,893 SY OF EXISTING ASPHALT ROADWAY.
 CONTRACTOR SHALL REPAIR ALL CRACKS IN EXISTING ASPHALT PER THE GEOTECHNICAL REPORT.

LEGEND:

- EXISTING ASPHALT TO BE OVERLAID
- PROPOSED ASPALT

GRAPHIC SCALE:

20 10 0 20 40 60

SCALE IN FEET SCALE: 1" = 20'

**GALVEZ LANDING BOAT RAMP IMPROVEMENTS
 ROADWAY & SIDEWALK
 CONSTRUCTION PLAN
 (INNERARITY TURN LANE)**



EXCELLENCE IN ENGINEERING SERVICE
 8574 Turkey Bluff Road, Eric Long
 Navarre, Florida 32562
 P: (850) 898-5722
 CERTIFICATE OF AFFILIATION: CA-90886

MUNICIPAL

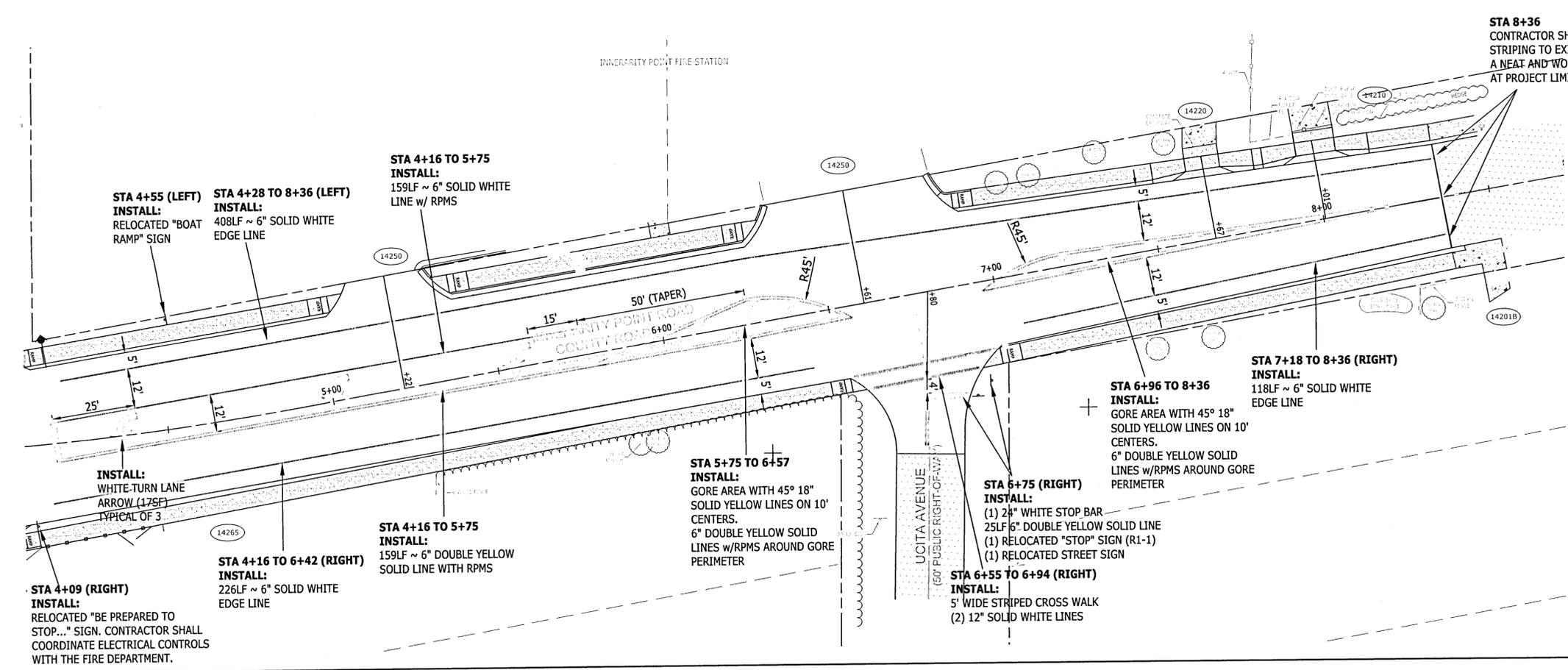
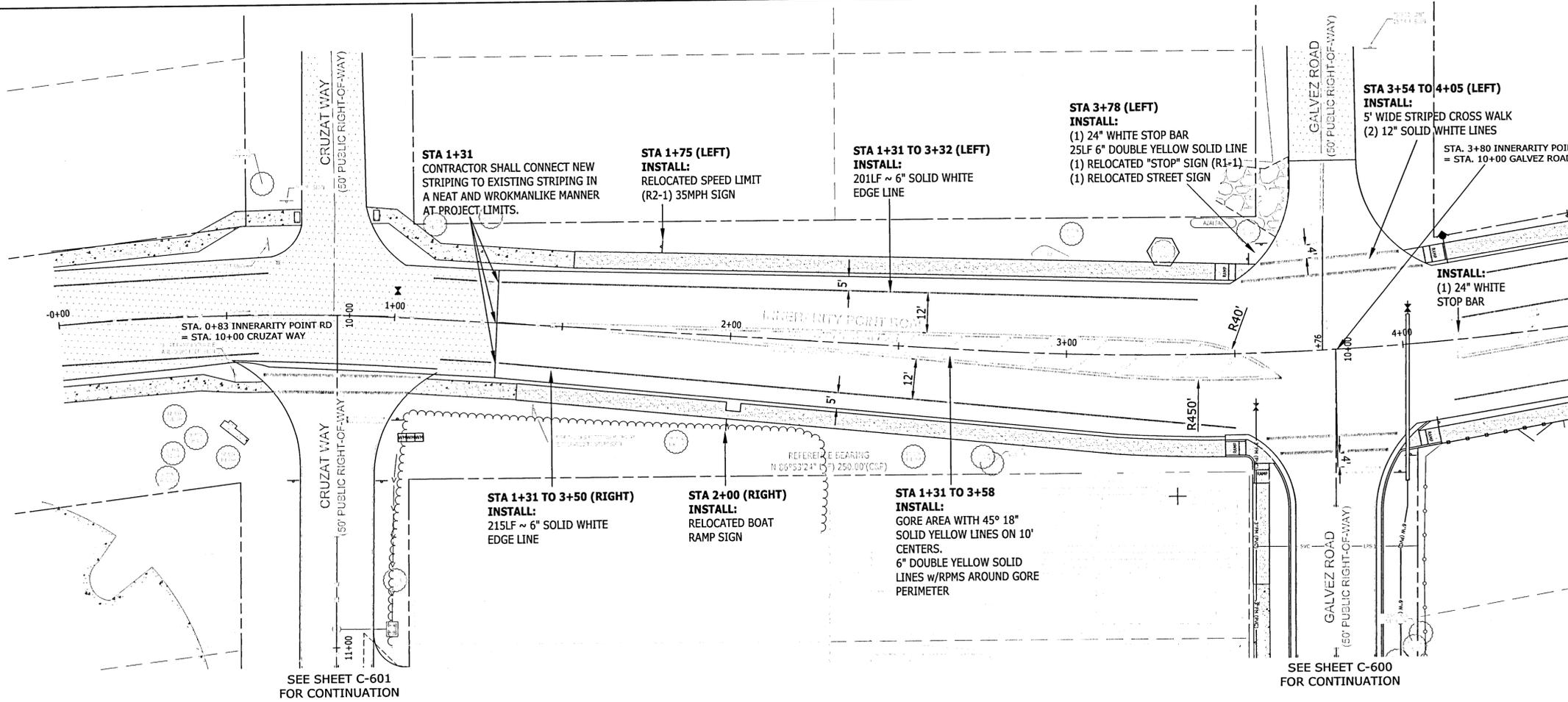
DESIGNED BY: WVF/JJ
 DEL. PROJECT MANAGER: NICOLAS CHALVIN
 DATE: MARCH 2021
 FIELD BOOK / PAGES: 1435-23W
 SECTION / TOWNSHIP / RANGE: 2

REVISIONS	DATE	APPROVED BY

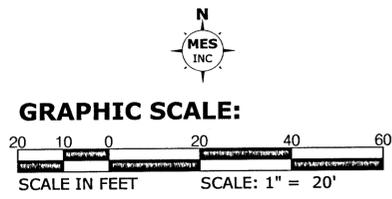
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 PROJECT NUMBER: 170001-004
 SURVEY NUMBER: 2019.013/L-4903
 SHEET 30 OF 61

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DATE	REMARK INCORPORATION (Blue Highlighter)	CHECKER (RP)	DATE
DATE	ORIGINATOR VERIFICATION (Correct, Pink Highlighter)	CHANGE INCORPORATION (Yellow Highlighter)	DATE
DATE	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE
SIGNATURE:			



- NOTES:**
1. ALL STRIPING SHALL BE THERMOPLASTIC AND INSTALLED PER F.D.O.T. INDEX #711-001.
 2. ALL STRIPING AND SIGNAGE SHALL MEET THE REQUIREMENTS OF THE F.D.O.T./COUNTY SPECIFICATIONS AND CURRENT M.U.T.C.D.
 3. RAISED PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH F.D.O.T. INDEX #706-001.
 4. ALL SIGNS SHALL BE INSTALLED PER F.D.O.T. INDEX #700-010 AND #700-101.
 5. SEE SHEETS C-600 AND C-601 FOR ADDITIONAL STRIPING DESIGN.
 6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING SIGNAGE NOTED TO BE RELOCATED, OR REPLACED AT HIS/HER COST.



**GALVEZ LANDING BOAT RAMP IMPROVEMENTS
STRIPING AND SIGNAGE PLAN
(INNERARITY TURN LANE)**



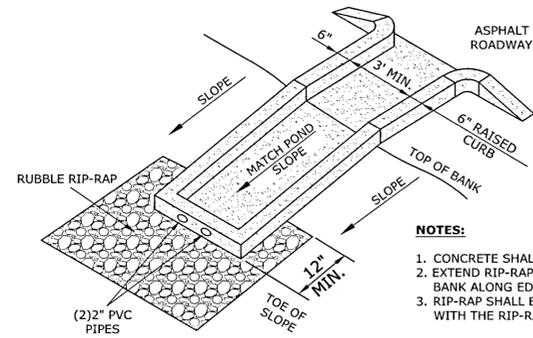
EXCELLENCE IN ENGINEERING SERVICE
6874 Turkey Bluff Road
Newport, Florida 32562
Eric L. Gentry, P.E.
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 12000
DATE: 03/03/2021
SIGNATURE: [Signature]

MUNICIPAL
DESIGNED BY: WVP/JI
PROJECT MANAGER: NICOLAS CHAUVIN
DATE: MARCH 2021
FIELD BOOK NUMBER: RBA 2019.013/L-4903
SECTION/TOWNSHIP/RANGE: 14-35-24W

APPROVED BY:	DATE:	REVISIONS:
DRAWING NUMBER:	C-703	
PROJECT NUMBER:	170001-004	
SURVEY NUMBER:	2019.013/L-4903	
SHEET:	31	OF 61

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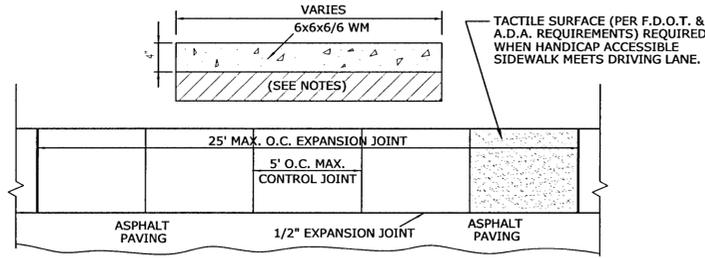
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VERIFICATION, CHECKER (QR)	ORIGINATOR (QR)	CHECKER (RP)	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	ORIGINATOR (RP)	DATE	DATE	DATE	DATE
REMARK INCORPORATION (Blue Highlighter)	CORRECT (Green Highlighter) Change (Red Pen)	CORRECT (Red Pen) X-Out to Disagree or Remark	CORRECT (Red Pen) X-Out to Disagree or Remark	CHANGE INCORPORATION (Yellow Highlighter)	ORIGINATOR (RP)	DATE	DATE	DATE	DATE
ORIGINATOR VERIFICATION (Correct (Pink Highlighter))									
PHASE	REVIEW	SIGNATURE:							



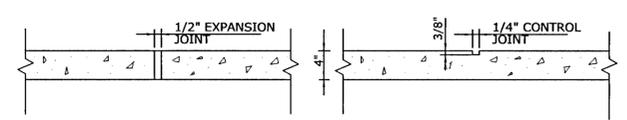
- NOTES:**
1. CONCRETE SHALL BE 4000 P.S.I. MINIMUM.
 2. EXTEND RIP-RAP A MINIMUM OF 12" UP BANK ALONG EDGE OF FLUME.
 3. RIP-RAP SHALL BE PLACED IN ACCORDANCE WITH THE RIP-RAP INSTALLATION DETAIL.

CONCRETE FLUME DETAIL
NOT TO SCALE

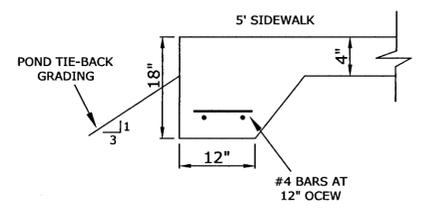
- NOTES:**
1. CONCRETE SHALL BE 4000 P.S.I. MINIMUM.
 2. FOR PEDESTRIAN TRAFFIC AREAS PROVIDE 8" STABILIZED SUB-BASE COMPACTED TO 95% MODIFIED PROCTOR.
 3. DECORATIVE CONCRETE SHALL BE REPAIRED OR REPLACED IN KIND AS APPLICABLE.



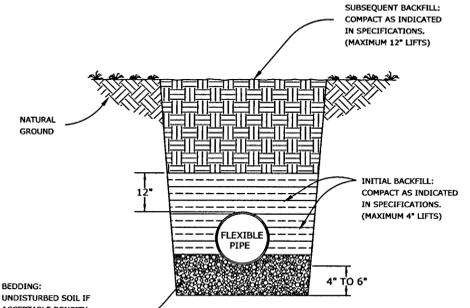
CONCRETE SIDEWALK DETAIL
NOT TO SCALE



CONCRETE CONTROL JOINT DETAIL
NOT TO SCALE



SIDEWALK ADJACENT TO POND A
NOT TO SCALE



FLEXIBLE PIPE BEDDING
* ECUA STANDARD DETAIL D-61

SANITARY SEWER LINES (GRAVITY OR PRESSURE) SHALL HAVE 18" OR GREATER VERTICAL CLEARANCE BELOW ANY POTABLE WATER LINE WHEN CROSSING. A MINIMUM OF 6" VERTICAL CLEARANCE IS REQUIRED FOR OTHER UTILITIES. HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER LINE THAT IS PARALLEL TO AND LESS THAN 18" BELOW A POTABLE WATER LINE SHALL BE 10" OR GREATER. A MINIMUM OF 30" IS REQUIRED FOR OTHER UTILITIES.

IF THIS IS NOT POSSIBLE OR PRACTICAL, SEE NOTES BELOW:

PIPE JOINT RESTRAINT TABULATION

SHOWING DISTANCES IN FEET FROM THE FITTING TO BE RESTRAINED TO THE LAST RESTRAINING GLAND REQUIRED

PIPE SIZE AND TYPE	HORIZONTAL BENDS				DEAD ENDS	EQUAL TEES See note 3
	90 Deg.	45 Deg.	22.5 Deg.	11.25 Deg.		
3" DI	18	8	4	2	33	1
4" DI	22	9	4	2	39	1
6" DI	31	13	6	3	55	1
8" DI	40	17	8	4	72	1
10" DI	48	20	9	5	86	1
12" DI	56	23	11	5	101	1
16" DI	70	29	14	7	129	1
20" DI	84	35	17	8	156	18
24" DI	96	40	19	9	181	41
4" PVC	28	12	6	3	62	1
6" PVC	39	16	8	4	87	1
8" PVC	50	21	10	5	114	1
10" PVC	60	25	12	6	136	1
12" PVC	70	29	14	7	160	1
16" PVC	88	36	17	9	205	1
20" PVC	105	43	21	10	247	29
24" PVC	120	50	24	12	287	64

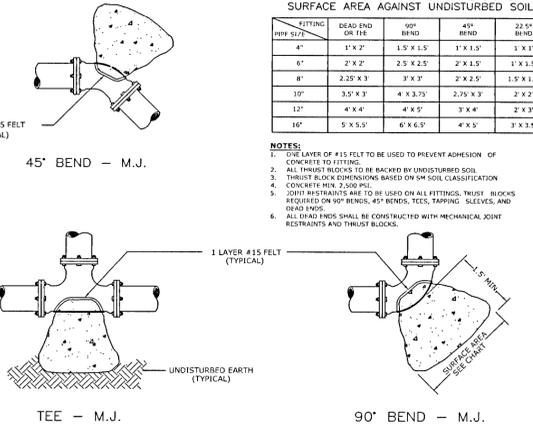
- NOTES:**
1. Test pressure = 150 psi, soil group = SM, trench type = 3, depth = 2.5', safety factor = 2
 2. Restraint lengths for vertical offsets, reducers & unequal size tees must be individually calculated.
 3. With equal tees, the distances shown are with a run length of 40' as an example only. For other lengths and for unequal tees, individual calculations must be made.

PIPE JOINT RESTRAINT TABULATION
* ECUA STANDARD DETAIL D-62

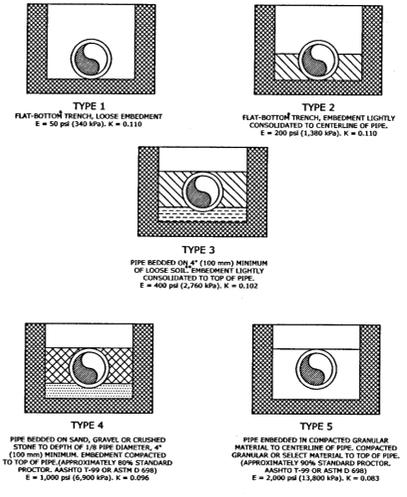
MINIMUM THRUST BLOCK DIMENSIONS: SURFACE AREA AGAINST UNDISTURBED SOIL

FITTING SIZE	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND
4"	1' x 2'	1.5' x 1.5'	1' x 1.5'	1' x 1'
6"	2' x 2'	2.5' x 2.5'	2' x 1.5'	1' x 1.5'
8"	2.25' x 3'	3' x 3'	2' x 2.5'	1.5' x 1.5'
10"	3.5' x 3'	4' x 3.75'	2.75' x 3'	2' x 2'
12"	4' x 4'	4' x 5'	3' x 4'	2' x 3'
16"	5' x 5.5'	6' x 6.5'	4' x 5'	3' x 3.5'

- NOTES:**
1. ONE LAYER OF #15 FELT TO BE USED TO PREVENT ADHESION OF CONCRETE TO FITTING.
 2. ALL THRUST BLOCKS TO BE BACKED BY UNDISTURBED SOIL.
 3. THRUST BLOCK DIMENSIONS BASED ON SM SOIL CLASSIFICATION.
 4. CONCRETE MIN. 2,500 PSI.
 5. JOINT RESTRAINTS ARE TO BE USED ON ALL FITTINGS, TURNS, BLOCKS REQUIRED ON 90° BENDS, 45° BENDS, TEES, TAPPING SLEEVES, AND DEAD ENDS.
 6. ALL DEAD ENDS SHALL BE CONSTRUCTED WITH MECHANICAL JOINT RESTRAINTS AND THRUST BLOCKS.



TYPICAL THRUST BLOCK INSTALLATIONS
N.T.S.
* ECUA STANDARD DETAIL D-52

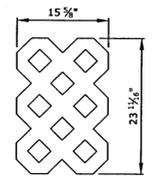


PIPE ENVELOPE REQUIREMENTS
* ECUA STANDARD DETAIL D-60

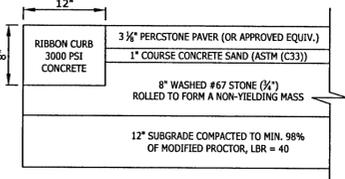
NOTE: REQUIRED ENVELOPE TYPE WILL DEPEND ON THE PIPE'S DIMENSION RATIO, INTERNAL OPERATING PRESSURE, AND EXTERNAL LOAD, AND SHALL BE SPECIFIED BY THE PURCHASER (SEE SEC. 5.3)

* "FLAT-BOTTOM" IS DEFINED AS UNDISTURBED EARTH.
** "LOOSE SOIL" OR "SELECT MATERIAL" IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. A SOFT MUDSLOT BEDDING WILL CONTINUE TO THE PIPE BOTTOM. CAUTION MUST BE EXERCISED TO ENSURE PROPER PLACEMENT OF EMBEDMENT MATERIAL UNDER THE HAUNCHES OF THE PIPE.

From AWWA C.605
ENGINEERING INSTALLATION OF PVC PIPE



- NOTE:**
1. PAVERS (OR ENGINEER APPROVED EQUIVALENT) SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND SPECIFICATIONS.
 2. CONTRACTOR SHALL BACKFILL OPENINGS WITH TOPSOIL AND GRASS SEEDS. COORDINATE WITH LANDSCAPING PLAN.
 3. PAVING STONES MAY BE CUT WITH AN APPROVED CUTTER, TO MEET DIMENSIONS ON PLANS.



PAVER DETAIL
NOT TO SCALE

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

PROJECT DETAILS

EXCELLENCE IN ENGINEERING SERVICE
8574 Turkey Bluff Road, Navarre, Florida 32566
P: (850) 888-5722
CERTIFICATE OF AUTHORIZATION 03-08888

DESIGNED BY: EMD
CHECKED BY: WVP/JI
DATE: MARCH 2021
FIELD BOOK PAGES: 2

PROJECT MANAGER: NICOLAS CHALVIN
DISTRICT: 2
SECTION/TOWNSHIP/RANGE: 14-55-32W

REG. NO. 10000
STATE OF FLORIDA
REGISTERED PROFESSIONAL ENGINEER
DALE E. LOVIE

REVISIONS

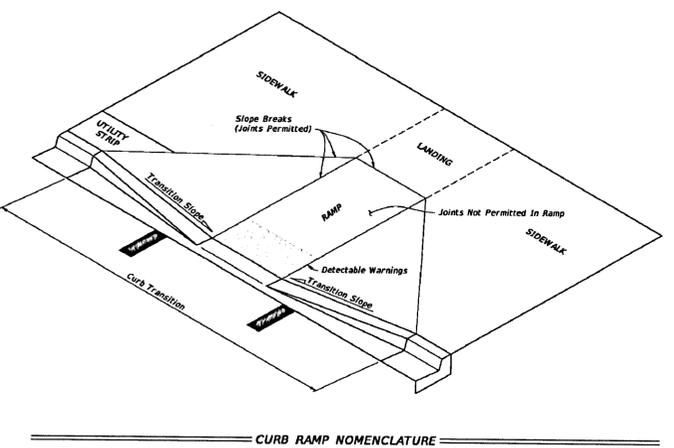
NUMBER	DATE	APPROVED BY

DRAWING NUMBER: C-802
PROJECT NUMBER: 170001-004
SURVEY NUMBER: 2019.013/L-4903
SHEET 35 OF 61

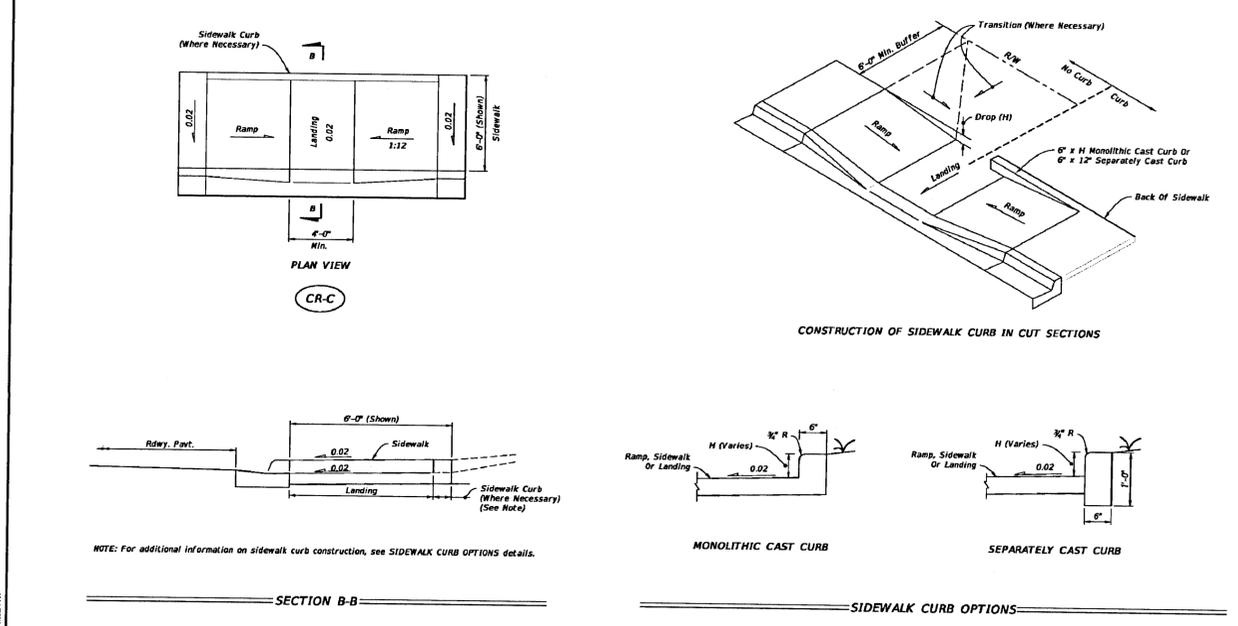
M:\2017\170001-004 Galvez Boat Ramp (Plans and Specs)\Dwg\Sheets\95 Details.dwg, 40, 3/3/2021 4:49:20 PM

PHASE REVIEW
 SIGNATURE: _____
 ORIGINATOR (RP) _____ DATE _____
 CHECKER (RP) _____ DATE _____
 VERIFICATION, CHECKER (QR) _____ DATE _____
 REMARK INCORPORATION (Blue Highlighter) _____
 ORIGINATOR VERIFICATION (Correct (Pink Highlighter)) _____

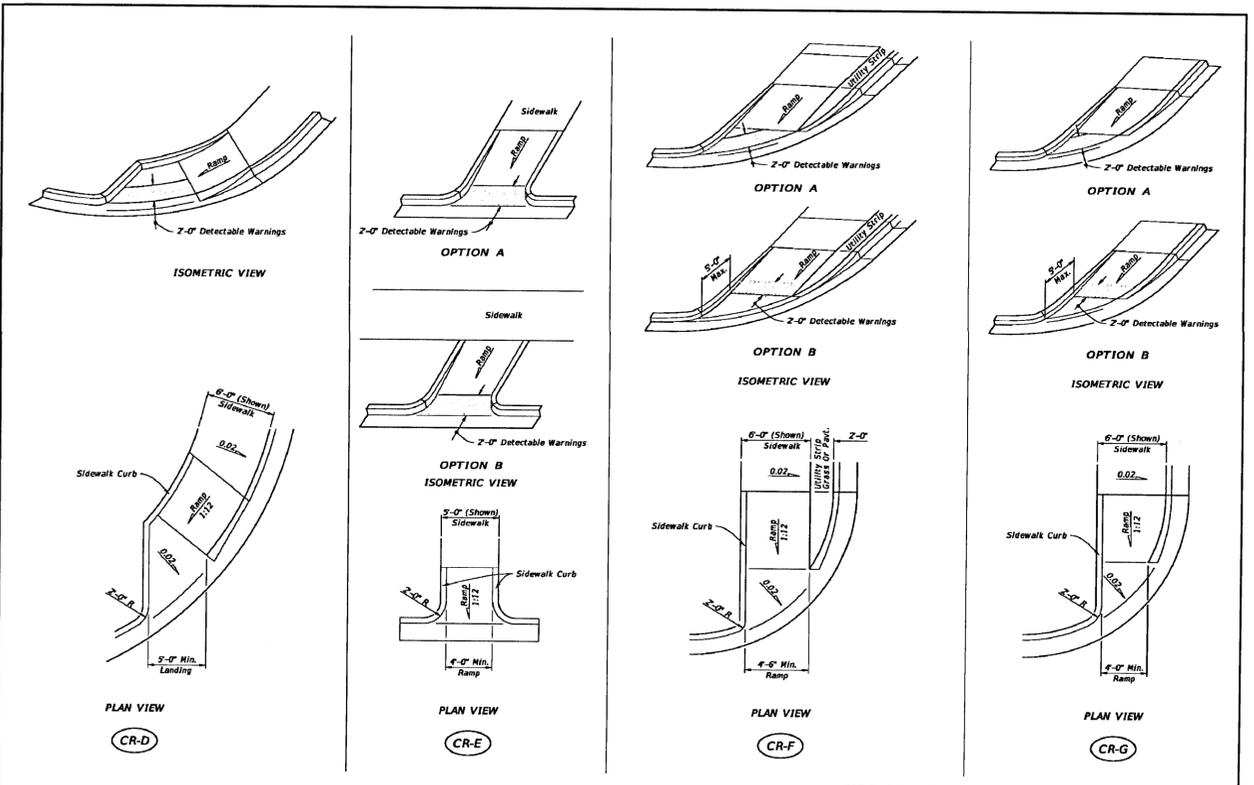
- GENERAL NOTES:**
- Cross Slopes and Grades:**
 - Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
 - Landings must have cross-slopes less than or equal to 0.02 in any direction.
 - Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
 - Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.
 - Curb, Curb and Gutter and/or Sidewalk:**
 - Refer to Index 522-001 for concrete thickness and sidewalk details.
 - Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 3 feet long.
 - Curb Ramp Alpha-Identification:**
 - Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
 - Alpha-Identifications CR-1 and CR-J are intentionally omitted.
 - Detectable Warnings:**
 - Install detectable warnings in accordance with Specification 527.
 - Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
 - If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.
 - Detectable Warnings - Acceptance Criteria:**
 - Color and texture shall be complete and uniform.
 - 90% of individual truncated domes shall be in accordance with the Americans with Disabilities Act Standards for Transportation Facilities, Section 705.
 - There shall be no more than 4 non-compliant domes in any one square foot.
 - Non-compliant domes shall not be adjacent to other non-compliant domes.
 - Surfaces shall not deviate more than 0.10" from a true plane.



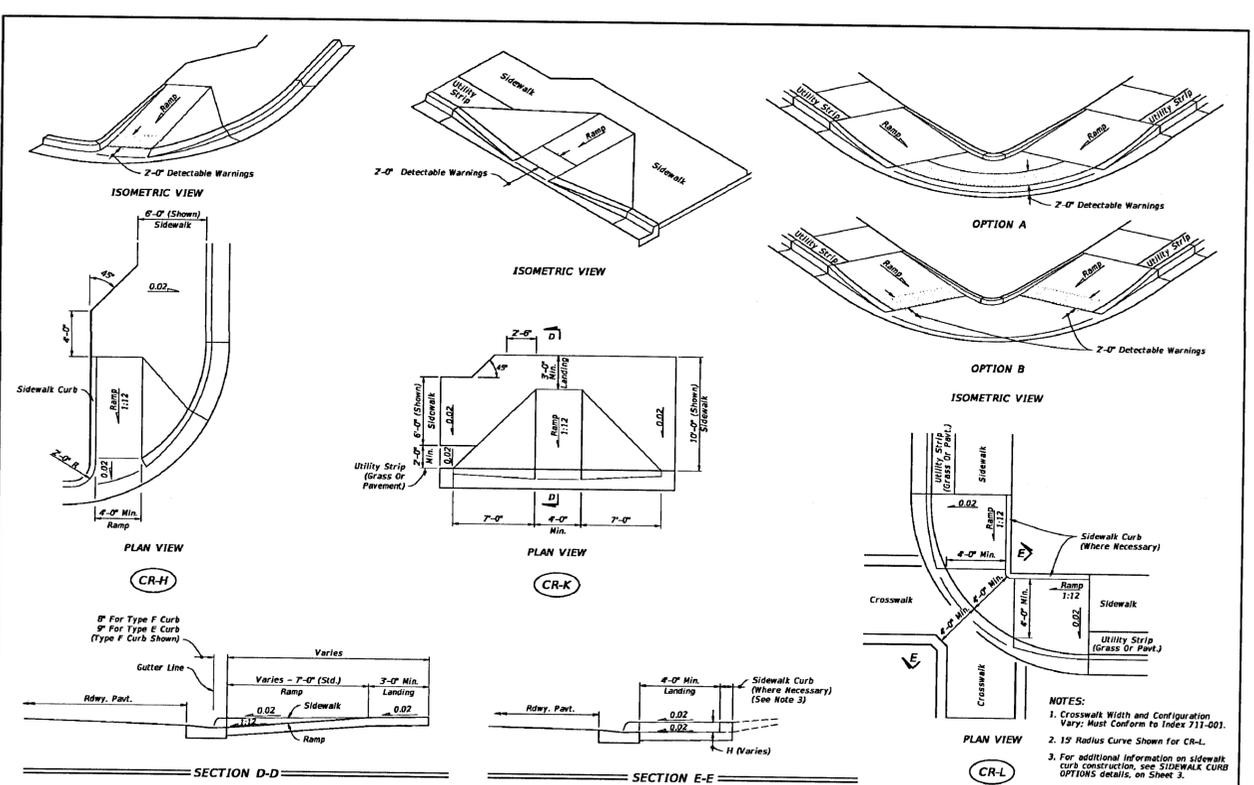
LAST REVISION	DESCRIPTION:	FDOT	FY 2020-21	INDEX	SHEET
11/01/19			STANDARD PLANS	522-002	1 of 8
DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS					



LAST REVISION	DESCRIPTION:	FDOT	FY 2020-21	INDEX	SHEET
11/01/18			STANDARD PLANS	522-002	3 of 8
DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS					



LAST REVISION	DESCRIPTION:	FDOT	FY 2020-21	INDEX	SHEET
11/01/18			STANDARD PLANS	522-002	4 of 8
DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS					



LAST REVISION	DESCRIPTION:	FDOT	FY 2020-21	INDEX	SHEET
11/01/18			STANDARD PLANS	522-002	5 of 8
DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS					

GALVEZ LANDING BOAT RAMP IMPROVEMENTS

PROJECT DETAILS

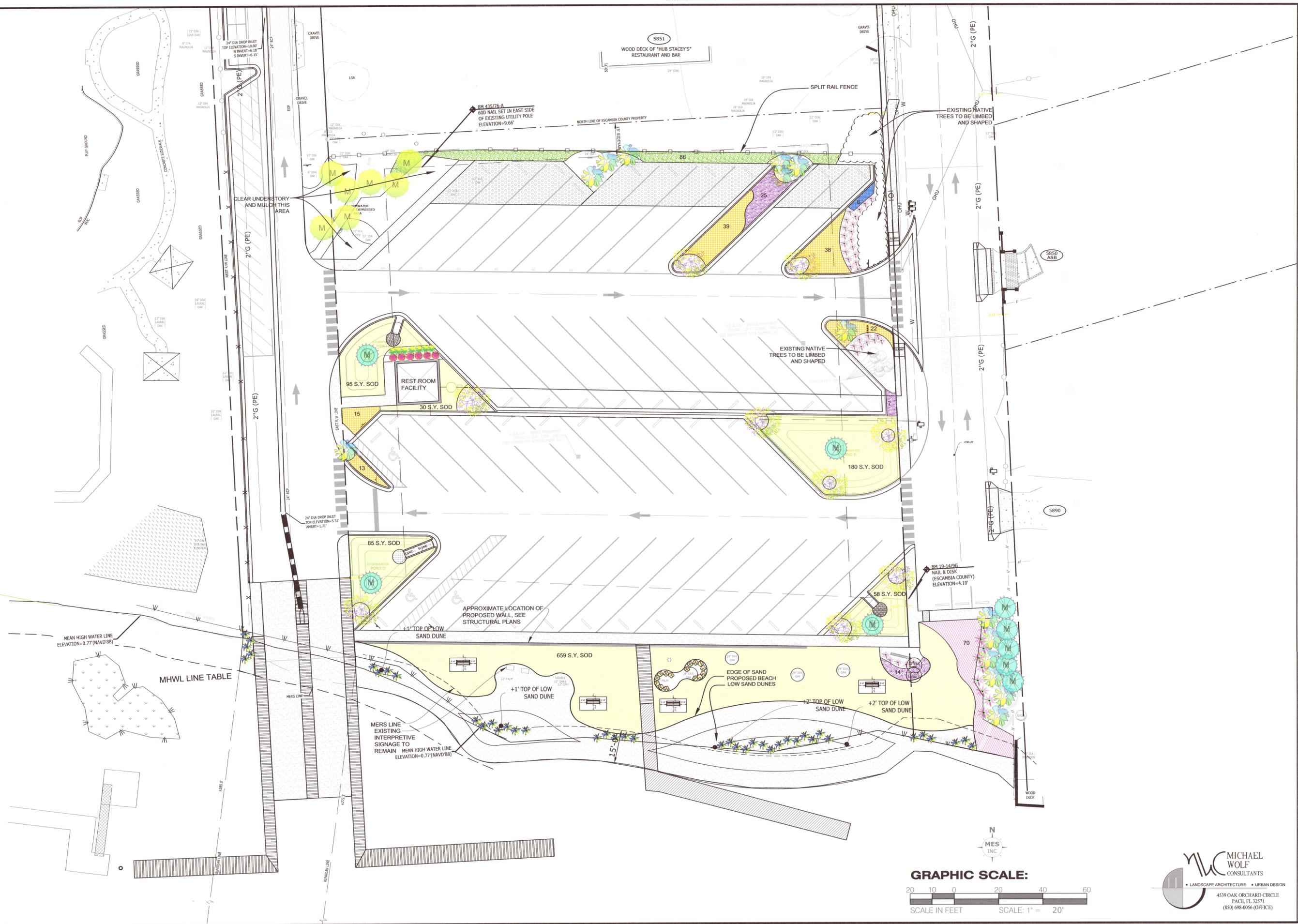
EXCELLENCE IN ENGINEERING SERVICE
 8574 Turkey Bluff Road
 Navarre, Florida 32562
 P: (904) 998-5728
 F: (904) 998-5728
 E: ERIC@LONGENGINEERING.COM
 ERIC LONG
 LICENSE NO. 12003
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

DESIGNED BY: WVP/II
 CHECKED BY: DEL
 DATE: 03/03/21
 PROJECT MANAGER: NICHOLAS CHALVIN
 DISTRICT: 2
 FIELD WORK PAGES: 14-33-21W
 REVISION RANGE: 14-33-21W

DATE	APPROVED BY

DRAWING NUMBER: C-807
 PROJECT NUMBER: 170001-004
 SURVEY NUMBER: 2019.013/L-4903
 SHEET 40 OF 61

PHASE: REVIEW
 SIGNATURE: _____
 ORIGINATOR (RP) _____
 PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP) _____
 DATE: _____
 ORIGINATOR (OR) _____
 CORRECT (Green highlighter) Change
 CHECKER (OR) _____
 DATE: _____
 VERIFICATION, CHECKER (OR) _____
 (Blue highlighter)
 REMARK INCORPORATION (Blue highlighter)
 ORIGINATOR VERIFICATION (Pink highlighter) Correct
 DATE: _____



GALVEZ LANDING BOAT RAMP SITEWORK & ROADWAY IMPROVEMENTS
LANDSCAPE PLAN

ESCAMBIA COUNTY FLORIDA

EXPERIENCE IN ENGINEERING SERVICE
 8574 Turkey Bluff Road
 Navarre, Florida 32566
 p: (850) 898-5733

MUNICIPAL ENGINEERING SERVICES INC
 CERTIFICATE OF AUTHORIZATION: CA-30888

DESIGNED BY: MCW
 CHECKED BY: MCW
 DRAWN BY: MCW
 DATE: APRIL 2020
 FIELD BOOK: PAGES 1
 REG. NO. 19-14PH-135C (NTFR 03, 07, 08-24)

PROJECT NUMBER: 170001-004
 SURVEY NUMBER: RBA ESC CNTY
 NUMBER: 2019.013/L-4903

SHEET 58 OF 61

MICHAEL WOLF CONSULTANTS
 4539 OAK ORCHARD CIRCLE
 FAE, FL 32571
 (850) 698-0056 (OFFICE)

PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE	ORIGINATOR (OR)	DATE
		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		CHECKER (RP)		CHANGE INCORPORATION (Yellow Highlighter)		CORRECT (Green Highlighter) Change (Red Pen X-Out to Disagree or Remark)		VERIFICATION, CHECKER (OR)	
SIGNATURE:										REMARK INCORPORATION (Blue Highlighter)	
										ORIGINATOR VERIFICATION (Pink Highlighter) Correct	



GALVEZ LANDING BOAT RAMP SITEWORK & ROADWAY IMPROVEMENTS

IRRIGATION PLAN

<p>EXCELLENCE IN ENGINEERING SERVICE 8874 Turkey Buffet Road Navarre, Florida 32566 p: (850) 838-9732</p>		<p>CERTIFICATE OF AUTHORIZATION: CA-30886 REG. P.L.A. ENG. NO. LA6667118 DATE</p>	
<p>DESIGNED BY: MCV</p>	<p>CHECKED BY: MCV</p>	<p>PROJECT MANAGER: MCV</p>	<p>DISTRICT: 2</p>
<p>DRAWN BY: MCV</p>	<p>DATE: APRIL 2020</p>	<p>FIELD BOOK / PAGES: RBA18144P43ESC CNTY R45, P14624</p>	<p>SECTION / TOWNSHIP / RANGE: 14338-23W</p>

MICHAEL WOLF CONSULTANTS

LANDSCAPE ARCHITECTURE • URBAN DESIGN

4539 OAK ORCHARD CIRCLE
 PACE, FL 32571
 (850) 698-0056 (OFFICE)

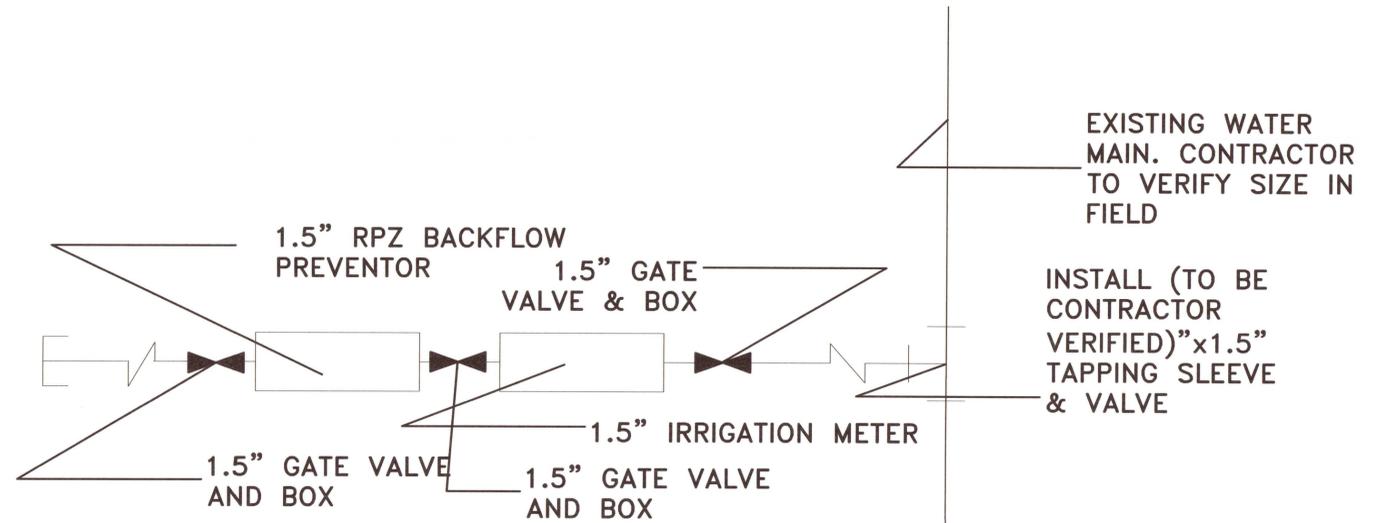
PROJECT NUMBER	170001-004
SURVEY NUMBER	2019.013/L-4903
SHEET	60 OF 61

GENERAL IRRIGATION NOTES:

1. VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF WORK UNDER THIS CONTRACT.
2. ALL IRRIGATION INSTALLATION SHALL CONFORM TO LOCAL BUILDING AND PLUMBING CODES.
3. ADJUST SPRINKLER'S ARC AND RADIUS TO ENSURE 100% COVERAGE.
4. BURY ALL MAINS AT A MINIMUM DEPTH OF 24 INCHES BELOW GRADE.
5. BURY ALL LATERALS AT A MINIMUM DEPTH OF 18 INCHES BELOW GRADE.
6. VALVES, CONTROLLER AND OTHER ELECTRICAL COMPONENTS SHALL BE GROUNDED AS PER MANUFACTURER SPECIFICATIONS
7. COORDINATE THE LOCATION OF THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE. ELECTRIC SERVICE (110 VOLT AC) SHALL BE PROVIDED BY THE GENERAL CONTRACTOR
8. IRRIGATION WELL AND PUMP SHALL BE INSTALLED AS PER NFWMD STANDARDS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITTING OPERATION AND MAINTENANCE.
9. PROVIDE COMPLETE TYPEWRITTEN INSTRUCTIONS FOR IRRIGATION OPERATION AND MAINTENANCE.
10. ALL POP UP SPRINKLER HEADS ALONG ROADS OR DRIVES WITHOUT CURBS SHALL BE POSITIONED 1' FROM THE BACK OF CURB.
11. EXPOSURE TO FREEZING CONDITIONS WILL RESULT IN THE IMPROPER FUNCTIONING OF THE BACKFLOW PREVENTION DEVICE. THE IRRIGATION RPA BACKFLOW PREVENTION DEVICE SHALL BE PROTECTED WITH A INSULATED "LOCK BOX" ENCLOSURE OR APPROVED EQUAL. INSTALL AS PER MANUFACTURER'S RECOMMENDATION. COLOR SHALL BE DARK GREEN.

- GENERAL NOTES CONTINUED
- UPON AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SPECIFICATIONS DEPICTING EXISTING APPURTENANCES TO REMAIN AND PROPOSED IRRIGATION NEEDED TO ENSURE 100% COVERAGE OF PLANTED AREAS WITHIN THE PROJECT LIMITS. ZONES SHALL BE RESPECTIVE TO THE PROPOSED PLANT MATERIAL TO BE INSTALLED.
 - ALL PROPOSED TREES SHALL BE ZONED ON BUBBLERS AS PER DETAIL SHOWN ON THIS SHEET.
 - ALL IRRIGATION PIPE TO BE PVC CLASS 200 SDR 21 OR BETTER
 - THE CONTRACTOR SHALL ZONE TURF, SHRUBS, GROUNDCOVER AND TREES INDIVIDUALLY.
 - VALVES SHOWN ON PLANS MAY BE RELOCATED TO ACCOMMODATE FIELD CONDITIONS
 - IRRIGATION SCHEDULE IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. DESIGNER IS NOT RESPONSIBLE FOR THE ACCURACY OF MATERIALS REPRESENTED. CONTRACTOR SHALL PERFORM THEIR OWN TAKE OFF BASED ON PLAN DOCUMENTS.
 - ELEMENT LOCATION ON DRAWINGS ARE SCHEMATIC SHOWING DESIGN INTENT.
 - ENSURE 100% IRRIGATION COVERAGE AND LOCATE ALL PIPE IN BEDS.
 - PLAN DOCUMENT DOES NOT SHOW PIPE JUMPS WHERE MAINLINE AND LATERAL PIPING CROSS. IT SHALL BE UNDERSTOOD THAT THIS PIPING SHALL BE SEPARATE.
 - EACH VALVE SHALL BE IN A SEPARATE VALVE BOX. VALVES SHOWN GRAPHICALLY IN A SIMILAR LOCATION SHALL BE GROUPED TOGETHER NO CLOSER THAN 2' AND NO FARTHER THAN 4'.

Irrigation well should be on County property or ROW .

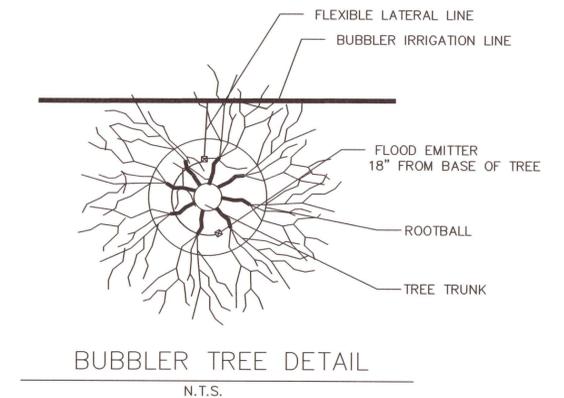


IRRIGATION LEGEND

SYMBOL	QUANTITY	MODEL NUMBER SPECIFICATION (RAINBIRD OR APPROVED EQUAL)	COMMENTS
	44	Rain Bird 1803-1400 Flood	ALL MEDIUM AND LARGE TREES TO HAVE 2 TREE BUBBLES EACH TYP
	25	Rain Bird 1812-SAM-PRS-U 15 Strip Series	
	22	Rain Bird 1812-SAM-PRS-U U8 Series	
	25	Rain Bird 5012-PC, FC-SAM-R	ADJUST SPRAY RADIUS AS NEEDED TO AVOID OVERSPRAY
	7	Rain Bird PESB-PRS-D VALVE	INSTALL VALVE IN RAINBIRD VB SERIES BOX. INSTALL 3" #57 CRUSHED STONE IN BOTTOM OF BOX. TOP COVER OF VALVE BOX TO READ "VALVE BOX" VALVE SIZE TO MATCH PIPE SIZE
	700 L.F.	2" MAIN IRRIGATION LINE WITH TRACER WIRE AND VALVE WIRE	VALVE SIZE TO MATCH PIPE SIZE
NOT SHOWN	AS NEEDED PER PLAN	3/4" LATERAL IRRIGATION LINE	VALVE SIZE TO MATCH PIPE SIZE
	180 L.F.	4" PVC SLEEVE PIPE	PROVIDE 36" COVER OVER PIPE WHERE SUBJECTED TO VEHICULAR TRAFFIC PROVIDE 24" COVER OVER PIPE WHERE NOT SUBJECTED TO VEHICULAR TRAFFIC
	3	2" VALMATIC AIR RELEASE VALVE	INSTALL AT HIGH POINTS IN LINE VALVE SIZE TO MATCH PIPE SIZE WITH RAINBIRD VB SERIES BOX
	5	2" HOMEWERKS OR LEGEND ISOLATION BALL VALVE	WITH RAINBIRD VB SERIES BOX
	1	Rain Bird ESP-LXD COMMERCIAL IRRIGATION CONTROLLER	OUTDOOR-RATED, PLASTIC LOCKING WALL/POST-MOUNTABLE CASE.
	1	2" IRRIGATION METER TO BE INSTALLED BY ECUA.	PRICE TO BE INCLUDED IN CONTRACTOR'S BID.

NOTE- APPROVED EQUALS TO ABOVE SPECIFIED MATERIALS WILL BE CONSIDERED.

- ADJUST NOZZLES AS NEEDED TO PREVENT OVERSPRAY
- INSTALL Hunter ICD 100 Decoder AT EACH ZONE VALVE AT DESCRETION OF OWNER AND LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL VERIFY ALL QUANTITIES LISTED



GALVEZ LANDING BOAT RAMP SITework & ROADWAY IMPROVEMENTS
IRRIGATION DETAILS



MUNICIPAL ENGINEERING SERVICES INC.
 8874 Turkey Bluff Road
 Navarre, Florida 32566
 p: (850) 898-5732

EXCELLENCE IN ENGINEERING SERVICE
 CERTIFICATE OF AUTHORIZATION: CA-30886

CHECKED BY: MCV
 DESIGNED BY: MCV
 DRAWN BY: MCV
 DATE: APRIL 2020
 FIELD BOOK PAGES: 143-152
 REVISIONS: 2
 SECTION: TOWNSHIP RANGE: 14-35-2W
 REG. FLA. ENG. NO.: LA6667118
 DISTRICT: 2
 SIGNATURE: MICHAEL C. WOLF P.E.

DATE	APPROVED BY

