

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**DRIVEWAY CONNECTION PERMIT
FOR ALL CATEGORIES****PART 1: PERMIT INFORMATION**APPLICATION NUMBER: 2017-A-395-074Permit Category: J - Government Entity Access Classification: 6Project: Lake Charlene Area Drainage ImprovementsPermittee: D. ALLEN VINSONSection/Mile Post: 110 / 9.317 State Road: 30Section/Mile Post: / State Road: **PART 2: PERMITTEE INFORMATION**Permittee Name: D. ALLEN VINSONPermittee Mailing Address: 25 West Cedar Street, Suite 200City, State, Zip: Pensacola, Florida 32502Telephone: (850) 375-1309 ext. _____Engineer/Consultant/or Project Manager: David VinsonEngineer responsible for construction inspection: David Vinson 72543
NAME P.E. #Mailing Address: 25 West Cedar Street, Suite 200City, State, Zip: Pensacola, Florida 32502Telephone: (850) 375-1309 ext. _____ FAX, Mobile Phone, etc. Fax: / Mobile: _____**PART 3: PERMIT APPROVAL**

The above application has been reviewed and is hereby approved subject to all Provisions as attached.

Permit Number: 2017-A-395-074

Department of Transportation

Signature: David Wilks Title: MAINTENANCE PROGRAM MANAGERDepartment Representative's Printed Name David WilksTemporary Permit ☐ YES ☒ NO (If temporary, this permit is only valid for 6 months)Special provisions attached ☒ YES ☐ NODate of Issuance: 9/6/2018

If this is a normal (non-temporary) permit it authorizes construction for one year from the date of issuance. This can only be extended by the Department as specified in 14-96.007(6).

See following pages for General and Special Provisions

Approved
2017-A-395-074
David Wilks
9/6/2018

PART 4: GENERAL PROVISIONS

1. Notify the Department of Transportation Maintenance Office at least 48 hours in advance of starting proposed work.
Phone: 8509812737 , Attention: Heidi Taylor
2. A copy of the approved permit must be displayed in a prominent location in the immediate vicinity of the connection construction.
3. Comply with Rule 14-96.008(1), F.A.C., Disruption of Traffic.
4. Comply with Rule 14-96.008(7), F.A.C., on Utility Notification Requirements.
5. All work performed in the Department's right of way shall be done in accordance with the most current Department standards, specifications and the permit provisions.
6. The permittee shall not commence use of the connection prior to a final inspection and acceptance by the Department.
7. Comply with Rule 14-96.003(3)(a), F.A.C., Cost of Construction.
8. If a Significant Change of the permittee's land use, as defined in Section 335.182, Florida Statutes, occurs, the Permittee must contact the Department.
9. Medians may be added and median openings may be changed by the Department as part of a Construction Project or Safety Project. The provision for a median might change the operation of the connection to be for right turns only.
10. All conditions in NOTICE OF INTENT WILL APPLY unless specifically changed by the Department.
11. All approved connection(s) and turning movements are subject to the Department's continuing authority to modify such connection(s) or turning movements in order to protect safety and traffic operations on the state highway or State Highway System.
12. **Transportation Control Features and Devices in the State Right of Way.** Transportation control features and devices in the Department's right of way, including, but not limited to, traffic signals, medians, median openings, or any other transportation control features or devices in the state right of way, are operational and safety characteristics of the State Highway and are not means of access. The Department may install, remove or modify any present or future transportation control feature or device in the state right of way to make changes to promote safety in the right of way or efficient traffic operations on the highway.
13. The Permittee for him/herself, his/her heirs, his/her assigns and successors in interest, binds and is bound and obligated to save and hold the State of Florida, and the Department, its agents and employees harmless from any and all damages, claims, expense, or injuries arising out of any act, neglect, or omission by the applicant, his/her heirs, assigns and successors in interest that may occur by reason of this facility design, construction, maintenance, or continuing existence of the connection facility, except that the applicant shall not be liable under this provision for damages arising from the sole negligence of the Department.
14. The Permittee shall be responsible for determining and notify all other users of the right of way.
15. Starting work on the State Right of Way means that I am accepting all conditions on the Permit.

Approved
2017-A-395-074
David Wilks
9/6/2018

PART 5: SPECIAL PROVISIONS**NON-CONFORMING CONNECTIONS:**☐ YES ☒ NO

If this is a non-conforming connection permit, as defined in Rule Chapters 14-96 and 14-97, then the following shall be a part of this permit.

1. The non-conforming connection(s) described in this permit is (are) not permitted for traffic volumes exceeding the Permit Category on page 1 of this permit, or as specified in "Other Special Provisions" below.
2. All non-conforming connections will be subject to closure or relocation when reasonable access becomes available in the future.

OTHER SPECIAL PROVISIONS:

See Attached Addendum

PART 6: APPEAL PROCEDURES

You may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. If you dispute the facts stated in the foregoing Notice of Intended Department Action (hereinafter Notice), you may petition for a formal administrative hearing pursuant to section 120.57 (1), Florida Statutes. If you agree with the facts stated in the Notice, you may petition for an informal administrative hearing pursuant to section 120.57(2), Florida Statutes. You must file the petition with:

Clerk of Agency Proceedings
Department of Transportation
Haydon Burns Building
605 Suwannee Street, M.S. 58
Tallahassee, Florida 32399-0458

The petition for an administrative hearing must conform to the requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code, and be filed with the Clerk of Agency Proceedings by 5:00 p.m. no later than 21 days after you received the Notice. The petition must include a copy of the Notice, be legible, on 8 1/2 by 11 inch white paper, and contain:

1. Your name, address, telephone number, any Department of Transportation identifying number on the Notice, if known, the name and identification number of each agency affected, if known, and the name, address, and telephone number of your representative, if any, which shall be the address for service purposes during the course of the proceeding.
2. An explanation of how your substantial interests will be affected by the action described in the Notice;
3. A statement of when and how you received the Notice;
4. A statement of all disputed issues of material fact. If there are none, you must so indicate;
5. A concise statement of the ultimate facts alleged, including the specific facts you contend warrant reversal or modification of the agency's proposed action, as well as an explanation of how the alleged facts relate to the specific rules and statutes you contend require reversal or modification of the agency's proposed action;
6. A statement of the relief sought, stating precisely the desired action you wish the agency to take in respect to the agency's proposed action.

If there are disputed issues of material fact a formal hearing will be held, where you may present evidence and argument on all issues involved and conduct cross-examination. If there are no disputed issues of material fact an informal hearing will be held, where you may present evidence or a written statement for consideration by the Department.

Mediation, pursuant to section 120.573, Florida Statutes, may be available if agreed to by all parties, and on such terms as may be agreed upon by all parties. The right to an administrative hearing is not affected when mediation does not result in a settlement.

Your petition for an administrative hearing shall be dismissed if it is not in substantial compliance with the above requirements of Rule 28-106.201(2) or Rule 28-106.301(2), Florida Administrative Code. If you fail to timely file your petition in accordance with the above requirements, you will have waived your right to have the intended action reviewed pursuant to chapter 120, Florida Statutes, and the action set forth in the Notice shall be conclusive and final.

Approved
2017-08-05-074
David Wilks
9/6/2018

ADDENDUM TO PERMIT

****The Following Special Conditions Apply****

- 1) Permitted work does NOT include approved lane closures along the State Highway. If a lane closures is needed, submit a written request with proposed dates/times/project duration. Allow at least 2 weeks in your scheduling for this special review.
- 2) Permittee shall be responsible for any fines associated with this connection and Federal, State, or local Environmental Regulations.
- 3) Contact the FDOT office issuing the permit 48 hours prior to beginning work on the R/W.
- 4) Permittee or Permittee's Engineer will be responsible to verify work performed under driveway, drainage, or utility permit(s) is complete as approved.
- 5) Permittee is responsible for restoring FDOT right-of-way to original or better condition after construction is complete. Permittee shall be responsible to clean and grade ditch to the flow line of culverts and/or match adjacent existing conditions.
- 6) All proposed work outside of the State right-of-way (station 30+00 to 30+40 and station 32+00 to 32+40) is not a part of the approved permitted work.
- 7) Permittee agrees to utilize State Right-of-Way for ingress/egress only. Permittee understands that State Right-of-Way is not to be used for parking and is to be kept clear of vehicles and obstacles.
- 8) All lanes must be open within 24 hours after notice, during an evacuation notice of a hurricane or other catastrophic event and shall remain open for the duration of the evacuation or event as directed by the local FDOT Maintenance Engineer or his designee.**
- 9) Provide a Quality Control Plan and Drilled Shaft Installation Plan to the office issuing the permit for review and approval prior to beginning Construction. The required testing and sampling is to be done by an FDOT certified laboratory and technicians.
- 10) Provide assurance of performance by submitting a signed and sealed Cost Estimate, Security Instrument, and Performance Bond.
- 11) Schedule and have an on-site Pre-construction meeting (representative from FDOT, Testing laboratory, paving contractor, and any other interested party present).

Approved
2017-A-395-074
David Wilks
9/6/2018



BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
PUBLIC WORKS BUREAU
ENGINEERING DIVISION

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3	DRAINAGE MAP
4	TYPICAL SECTIONS
5	TYPICAL SECTION DETAILS
6	PROJECT LAYOUT
7	PROJECT NOTES
8 - 12	PLAN AND PROFILES
13	WEIR AND GRADING PLAN
14 - 27	CROSS SECTIONS
28 - 30	EROSION CONTROL PLANS
31-32	TEMPORARY TRAFFIC CONTROL PLANS
33-35	UTILITY ADJUSTMENT PLANS
T-001	SIGNALIZATION PLAN
T-002	MAST ARM TABULATION
T-003	MAST ARM TABLE OF VARIABLES
S-001	STRUCTURAL GENERAL NOTES
S-002	HEADWALL PLAN AND ELEVATION -LAKE JOANNE DRIVE
S-003	HEADWALL PLAN AND ELEVATION-61ST ST AND HWY 98
S-004	HEADWALL DETAILS
S-005	WEIR PLAN AND DETAILS-LAKE JOANNE DRIVE
S-006	SHEET PILE WALL PLAN-LAKE JOANNE DRIVE
S-007	TYPICAL RIPRAP DETAILS
S-008	SHEET PILE DETAILS-LAKE JOANNE DRIVE
S-009	REINFORCING BAR LIST

PROJECT NO.
PD 13-14.081

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

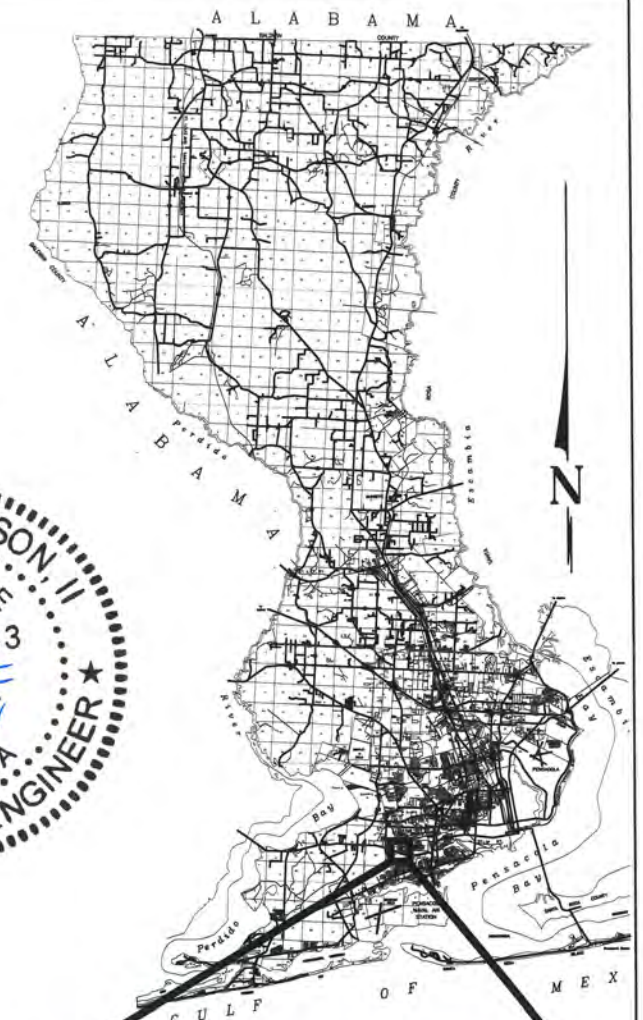
ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

PLANS PROPOSED FOR
**LAKE CHARLENE
DRAINAGE
IMPROVEMENTS**

100% PLANS
JULY 2018

COMMISSIONERS

DISTRICT ONE	JEFF BERGOSH (CHAIRMAN)
DISTRICT TWO	DOUG UNDERHILL
DISTRICT THREE	LUMON MAY (VICE CHAIRMAN)
DISTRICT FOUR	GROVER C. ROBINSON, IV
DISTRICT FIVE	STEVEN BARRY



PROJECT
LOCATION



VICINITY MAP

PROJECT MANAGER: D. Allen Vinson	DISTRICT: 2
SECTION / TOWNSHIP / RANGE: S20, 21, 53 / T2S / R30, 31W	REG. FLA. ENG. NO.: 72543
PROJECT ENGINEER: D. Allen Vinson	DATE: 9/6/2018
SIGNATURE: See EOR Seal	See EOR Seal

SUMMARY OF PAY ITEMS			
PAY ITEM	DESCRIPTION	QUANTITY	UNITS
1	Mobilization / Demobilization	1	EA
2	Clearing and Grubbing, per County Spec 2230	4.32	ACRE
3	Earthwork	1	LS
4	Earthwork Establishing Grade, County Specs 2300	12438	SY
5	Dewatering - Bypass pumping at weir	1	LS
6	Dewatering - Trench	2300	LF
7	2" County Spec 2500 Type SP 12.5 Asphalt	6613	SY
8	Type SP 12.5 Asphalt Leveling (110lbs. per SY)	102	SY
9	1 1/4" County Spec 2500 Type SP 12.5 Asphalt (Driveways) in place, includes compacted subgrade	778	SY
10	Mill Existing Asphalt, 0"-1.5" Thickness	102	SY
11	Saw cut Existing Asphalt	81	LF
12	12" Stabilized Subgrade, County Spec 2300	10375	SY
13	6" Graded aggregate Base "Min. LBR 100 at 100% Modified Proctor", County Spec 2400	6764	SY
14	Relocate Traffic Signs	4	EA
15	FDOT Type E Curb And Gutter, FDOT Index 300	386	LF
16	County Type B Curb, Per County Detail	632	LF
17	Valley Gutter Section, 6" thick, Per County Detail	78	LF
18	4" Fiber Reinforced Concrete Driveway	249	SY
19	Storm Manhole	5	EA
20	Tie to Existing Inlets, Pipe, Manhole	6	EA
21	60" RCP Pipe	3973	LF
22	Jack and Bore 60" Pipe	200	LF
23	Class II Concrete for Endwalls	51	CY
24	Reinforcing Steel for Endwalls	4708	LB
25	Centipede Sod, Staked	12438	SY
26	Rip Rap Rubble w/ 4" Bedding Stone and Geotextile	45	SY
27	Establish and Provide Sediment & Erosion Control Plan including all items for implementation	1	LS
28	Fiber Reinforced Plastic (FRP) Sheet Pile Retaining	1334	SF
29	Thermoplastic 6" White Solid Stripe	50	LF
30	Thermoplastic 24" White Solid Stripe	42	LF
31	Thermoplastic 6" Double Yellow Solid Stripe	150	LF
32	RPM's (Y/Y)	8	EA
33	Maintenance of Traffic Safety Plan (develop and provide including all items for implementation)	1	LS
34	State Road - Maintenance of Traffic	1	LS
35	Riprap for Sheet Pile and Weir	1	LS
36	Utility Adjustment Conflict Structures-Sewer	2	EA
37	Utility Adjustment-6" Water Lines PVC	1	LS
630-2-12	Conduit, F&I, Directional Bore	234	LF
632-7-1	Signal Cable-New or Reconstructed Intersection, F&I	1	PI
635-2-11	Pull & Splice Box, 13"x24" Cover Size	3	EA
649-26-5	Steel Mast Arm Assembly, Remove, Deep Foundation-Bolt On Attachment	1	EA
649-21-17	Steel Mast Arm Assembly, F&I, Double Arm 70'-40'	1	EA
650-1-14	Traffic Signal, F&I, Alum., 3 Section, 1 Way	3	AS

SUMMARY OF PAY ITEMS			
PAY ITEM	DESCRIPTION	QUANTITY	UNITS
650-1-18	Traffic Signal, F&I, Alum., 5 Section Straight, 1 Way	1	AS
660-2-101	Loop Assembly, F&I, Type A	1	AS
700-3-501	Sign Panel, Relocate, Up To 12 SF	2	EA

ITEM 1:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO SELECT AND GAIN PERMISSION TO USE SITES/PARCELS WHICH ARE LOCATED OUTSIDE THE COUNTY'S RIGHT-OF-WAY OR MAINTENANCE CLAIM AREAS FOR LAYDOWN OR TEMPORARY EARTHWORK DISPOSAL (INCLUDING SEDIMENT CONTROL). THE CONTRACTOR SHALL RETURN ALL SITES USED FOR THESE PURPOSES TO ORIGINAL CONDITION OR BETTER. ANY COSTS ASSOCIATED WITH THE ABOVE SHALL BE INCLUDED IN THE COST OF MOBILIZATION/DEMOBILIZATION.

ITEM 2:

ITEM INCLUDES ALL ITEMS TO BE REMOVED FOR THE CONSTRUCTION OF THE PROJECT INCLUDING TREES, ROADWAYS, DRIVEWAYS, CURB AND GUTTER, FLUMES AND ALL OTHER ITEMS NOT LISTED AS A REMOVAL PAY ITEM. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE AMOUNT, LOCATION, AND SIZE OF TREES TO BE REMOVED BEFORE BIDDING.

ITEM 3:

EARTHWORK IS A LUMP SUM PAY ITEM AND IS LIMITED TO AREAS ADJACENT TO THE TWO ENDWALL LOCATIONS. DREDGING OF A PORTION OF THE CANAL, AS SHOWN IN THE PLANS, IS INCLUDED IN THIS PAY ITEM. THIS PAY ITEM DOES NOT INCLUDE EARTHWORK ASSOCIATED WITH PIPE INSTALLATION OR ROADWAY RECONSTRUCTION.

ITEM 4:

EARTHWORK ESTABLISHING GRADE INCLUDES ALL GRADING FROM THE EDGE OF PROPOSED PAVEMENT TO THE LIMITS OF CONSTRUCTION. THIS INCLUDES RE-ESTABLISHING ALL SHOULDER AND DITCH GRADES AS SHOWN IN THE PLANS AND CROSS SECTIONS.

ITEM 5:

THIS ITEM IS INTENDED TO COVER THE CONTRACTOR'S MEANS AND METHODS FOR CONSTRUCTION OF THE WEIR/ENDWALL/SHEET PILING AT THE END OF THE CANAL. THIS MAY INCLUDE BUT IS NOT LIMITED TO DEWATERING OF THE AREA, TEMPORARILY PUMPING DOWN THE WATER SURFACE ELEVATION, OR BYPASS PUMPING IN WORK AREAS.

ITEM 6:

THIS ITEM INCLUDES ALL ITEMS AND PHASES NECESSARY TO DEWATER THE TRENCHES FOR STORMWATER SYSTEM INSTALLATION.

ITEM 8:

ITEM INTENDED FOR THE RESURFACING OF MILLED AREAS.

ITEM 11:

SAW CUT QUANTITY IS INTENDED FOR LOCATIONS WHERE RECONSTRUCTION LIMITS END. SAW CUTTING FOR US 98 IS INCLUDED IN THE COST OF LATERAL PAVEMENT PATCH.

ITEM 16:

QUANTITY INCLUDES COST TO CONSTRUCT FLUME THAT FLOWS OVER HEADWALL LOCATED OFF LAKE JOANNE DR. FLUME AREA IS 14SY.

ITEM 19:

INCLUDES THE TOP AND BOTTOM OF DRAINAGE STRUCTURES. MANHOLE ACCESS LOCATIONS SHALL AVOID THE WHEEL PATH OF ROADWAYS BY LOCATING ALONG THE CENTERLINE OF THE ROADWAY OR CENTER OF THE TRAVEL LANE.

ITEM 20:

ITEM IS FOR CONNECTION OF EXISTING PIPE TO PROPOSED DRAINAGE STRUCTURES.

ITEMS 21, 23-24:

ALL SHORING REQUIRED FOR PIPE INSTALLATION IS INCLUDED IN THE COST OF PIPE. DEWATERING IS INCLUDED IN OTHER ITEMS. THE COST OF REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL IS INCLUDED IN THE COST OF PIPE. SEE GEOTECHNICAL REPORT FOR LIMITS OF UNSUITABLE MATERIAL. AT A MINIMUM, UNSUITABLE MATERIAL IS LIKELY TO BE ENCOUNTERED AT PIPE ELEVATIONS ALONG THE SOUTHERN 1300 FEET OF THE PROJECT.

ITEM 22:

JACK AND BORE PER FDOT SPECIFICATION 556 SHALL INCLUDE ALL MATERIALS, SHORING, AND DEWATERING REQUIRED FOR WORK. ITEM SHALL ALSO INCLUDE CONCRETE COLLAR FOR DISSIMILAR PIPE CONNECTION.

ITEM 25:

SOD ALL AREAS OF DISTURBANCE FROM R/W TO R/W. SOD THICKNESS SHOULD BE CONSIDERED WHEN PLACING ON FINAL GRADES SO THAT STORMWATER RUNOFF IS NOT IMPEDED SUCH AS AT THE EDGE OF PAVEMENT OR DRIVEWAYS. SODDING OR SEEDING OF DISTURBANCE OUTSIDE THE R/W SHALL BE INCLUDED IN THE COST OF MOBILIZATION/DEMOBILIZATION.

ITEM 27:

CONTRACTOR SHALL SUBMIT A PLAN FOR COUNTY APPROVAL. ITEM INCLUDES NPDES PERMITTING.

ITEMS 29-32:

INCLUDES LAYOUT, PAINT, AND THERMOPLASTIC APPLICATION WITHIN COUNTY RIGHT-OF-WAY. INCLUDES TEMPORARY AND PERMANENT RPMs. ALL PAVEMENT MARKINGS ASSOCIATED WITH MOT SHALL BE INCLUDED IN THE COST OF MOT.

ITEM 33:

CONTRACTOR SHALL SUBMIT A PLAN FOR COUNTY APPROVAL. ITEM INCLUDES BUT IS NOT LIMITED TO DETOUR SIGNAGE, WORK ZONE SIGNAGE, DRUMS, PCMS'S, PAVEMENT MARKINGS, AND INSTALLATION AND REMOVAL OF COMMERCIAL MATERIAL FOR LOCAL DRIVEWAY/ROADWAY ACCESS AS REQUIRED.

ITEM 34:

CONTRACTOR SHALL SUBMIT A PLAN FOR FDOT APPROVAL. ITEM INCLUDES BUT IS NOT LIMITED TO BARRIER WALL, WORK ZONE & DETOUR SIGNAGE, DRUMS, AND PCMS'S. PLAN MAY REQUIRE MULTIPLE SUBMITTALS TO FDOT.

ITEM 35:

ITEM COVERS ALL RIPRAP CEMENT SAND AND RIPRAP RUBBLE QUANTITIES SHOWN ON SHEET S007.

ITEM 36:

ITEM COVERS ALL COSTS ASSOCIATED WITH CONFLICT STRUCTURES OR OTHER MEANS THE CONTRACTOR SEES FIT TO KEEP SEWER LINES INTACT AND UNAFFECTED WITH PROPOSED DRAINAGE AND ALL CONSTRUCTION ACTIVITY. ALL WORK TO BE IN ACCORDANCE WITH ECUA AND/OR CARRY STATION REQUIREMENTS.

ITEM 37:

ITEM COVERS ALL COSTS ASSOCIATED WITH ADJUSTING WATER MAIN TO AVOID PROPOSED DRAINAGE. ALL WORK TO BE IN ACCORDANCE WITH ECUA AND/OR CARRY STATION REQUIREMENTS.

PAY ITEMS 632-2-12 THRU 700-3-501:

THESE PAYITEMS ARE DIRECTLY FROM THE MOST CURRENT VERSION OF THE FLORIDA DEPARTMENT BASIS OF ESTIMATES MANUAL.



HDR Engineering, Inc.
25 West Cedar Street, Suite 200
Pensacola, FL 32502-5945
(850) 432-6800
www.hdrinc.com
Certificate of Authorization No. 4213

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	A. VINSON
DESIGNED BY	J. CLARK
DRAWN BY	J. CLARK
CHECKED BY	J. BURCHFIELD
PROJECT NUMBER	PD 13-14-081

D. Allen Vinson, P.E.

License No. 72543



ESCAMBIA COUNTY
ENGINEERING DEPARTMENT

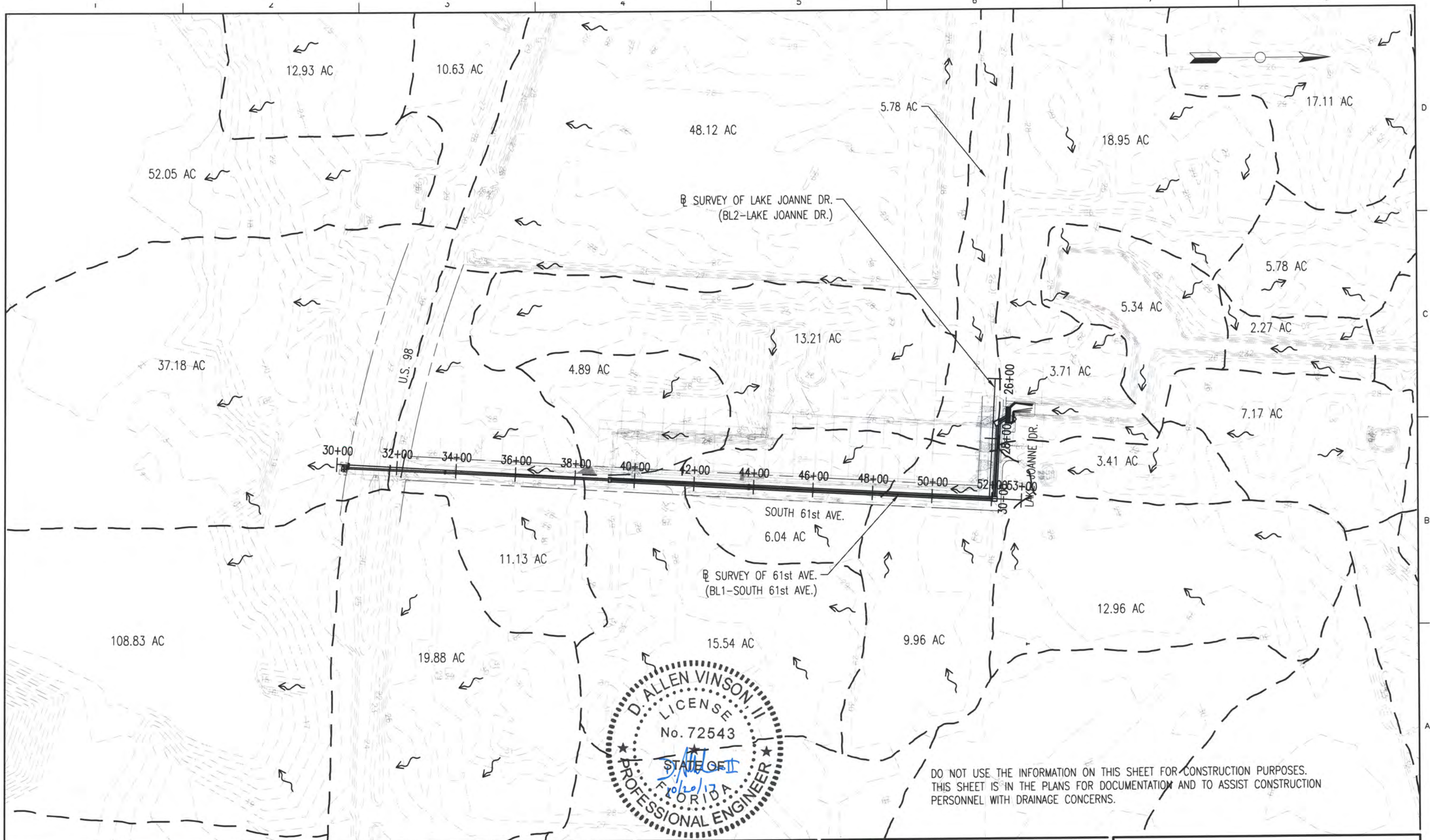
LAKE CHARLENE AREA
DRAINAGE IMPROVEMENTS

SUMMARY OF PAY ITEMS

Approved
2017-A-395-074
David Wilks
9/6/2018 2



11' X 17'	NOT TO SCALE	SHEET
SCALE:		



HDR
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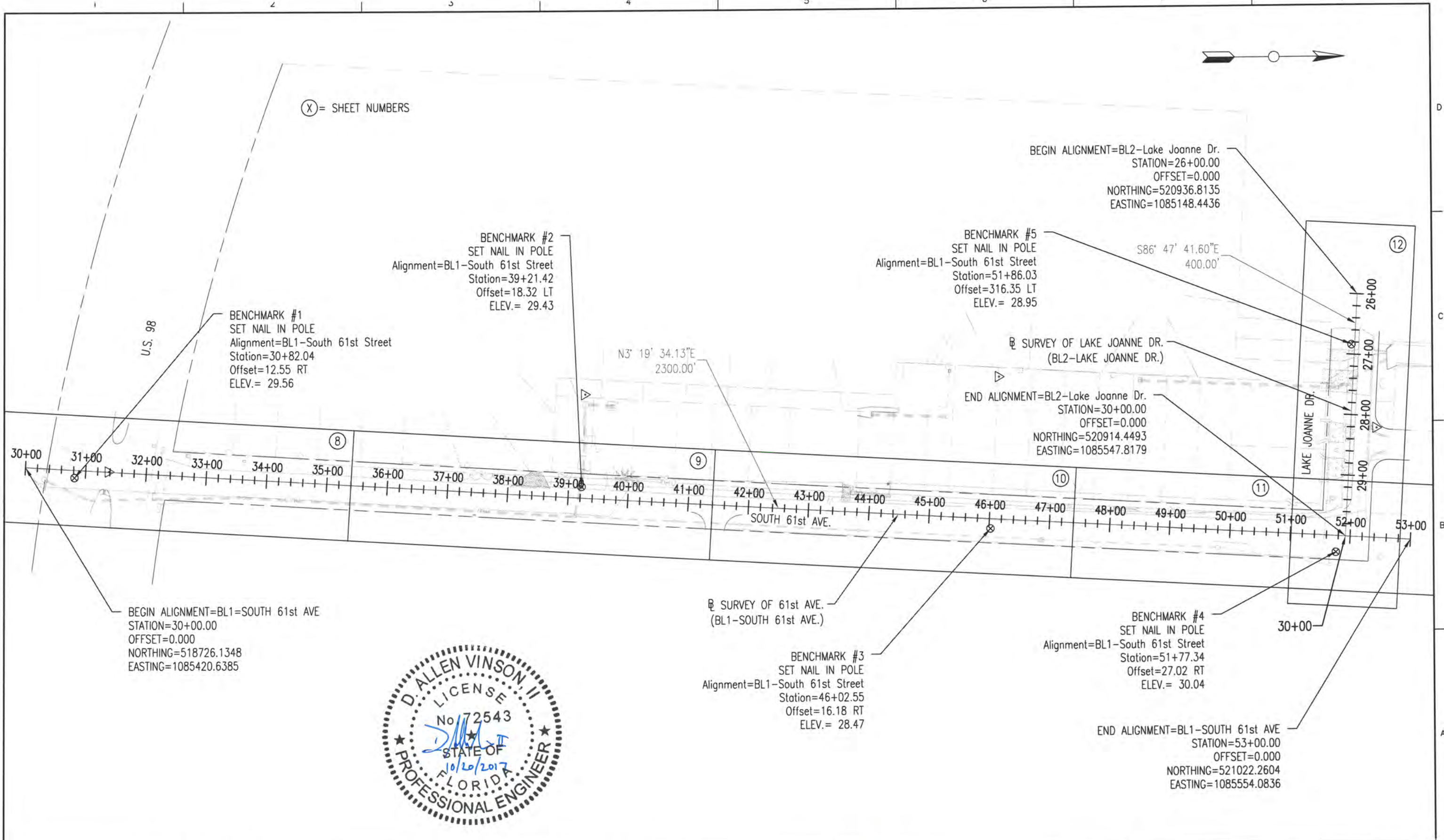
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 **ESCAMBIA COUNTY**
ENGINEERING DEPARTMENT
LAKE CHARLENE AREA
DRAINAGE IMPROVEMENTS

DRAINAGE MAP
0 150 300
11 X 17 SCALE: 1" = 300'
Approved
2017-A-395-074
David Wilks
9/6/2018 3




HDR
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**ESCAMBIA COUNTY**
ENGINEERING DEPARTMENT
LAKE CHARLENE AREA
DRAINAGE IMPROVEMENTS

PROJECT LAYOUT

11 X 17 SCALE: 1" = 150'
Approved 2017-A-395-074
David Wilks
9/6/2018
SHEET 6

GENERAL NOTES:

1. THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
2. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
3. ANY DAMAGE TO ROADWAYS OR ADJACENT PRIVATE PROPERTIES CAUSED BY THE CONTRACTORS OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE EXPENSE.
4. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT EROSION AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2012 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
5. ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
6. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
7. 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.
8. EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
10. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
11. ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
12. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
13. 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.
14. 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.
15. CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS.
16. 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.
17. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:
- DANNY SWAIN
3363 WEST PARK PLACE
PENSACOLA, FLORIDA 32505 PH (850) 595-3427

ERIC STUART, PMS
NOBLES CONSULTING GROUP
600 UNIVERSITY OFFICE BLVD., SUITE 17-B
PENSACOLA, FL. 32504, (850) 857-7723
18. 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.
19. ALL TREES WITHIN LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED IN PLANS.
20. ALL COMPACTED FILL SHALL BE PLACED IN 4" LIFTS FOR HAND POWERED TAMPERS AND 8" LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.
21. 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.
22. 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.
23. GROUNDWATER ELEVATIONS SHOWN IN THE PLANS REFLECT GROUNDWATER ELEVATIONS DURING TIME OF GEOTECHNICAL BORINGS ONLY. GROUNDWATER ELEVATIONS CAN FLUCTUATE UP OR DOWN.

UTILITY NOTES:

1. THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
2. 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 UTILITIES OWNERS INCLUDE:
- SEWER/WATER - EMERALD COAST UTILITY AUTHORITY
MR. MIKE HAMLIN
P.O. BOX 15311
PENSACOLA, FL. 32514 PH: (850) 969-3310

ELECTRIC - GULF POWER
MR. CHAD SWAILS
5120 DOGWOOD DRIVE
MILTON, FL. 32570 PH: (850) 429-2446
- NATURAL GAS - ENERGY SERVICES OF PENSACOLA
MR. CLINT SHEVAT
1625 ATWOOD DRIVE
PENSACOLA, FL. 32514 PH: (850) 791-5285

CABLE - COX CABLE
MR. TROY YOUNG
2421 EXECUTIVE PLAZA
PENSACOLA, FL. 32504 PH: (850) 857-4564
- TELEPHONE - AT&T FLORIDA
MR. STEVE KENNINGTON
MILTON, FL. 32571
PH: (850) 623-3811

SUNSHINE STATE ONE-CALL
7200 LAKE ELLENOR DRIVE, SUITE 200
ORLANDO, FL. 32809 PH: (800) 432-4770
- TRAFFIC DEPARTMENT - ESCAMBIA COUNTY PUBLIC WORKS
MRS. JOHNNY COX
3363 WEST PARK PLACE
PENSACOLA, FL. 32505 PH:(850) 595-3404
3. AT&T FLORIDA WILL COMPLETE ALL WORK DURING THE HOURS OF 7:30 AM - 4:30 PM, MONDAY THRU FRIDAY. NO NIGHT OR WEEKEND WORK.
4. ALL CABLE DAMAGE MUST BE REPORTED TO THE ATT FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR 877-737-2478 IF USING A CELL PHONE.
5. CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
6. UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.

SURVEYOR NOTES

1. NORTH AND BEARINGS ARE GRID BASED ON THE NORTH AMERICAN DATUM 1983 AS SHOWN ON THE BASELINE OF SURVEY OF 61ST AVE. PER GPS CONTINUAL OPERATING REFERENCE STATION "PENSACOLA" PER THE STATE OF FLORIDA.
2. NO TITLE SEARCH WAS PERFORMED BY NOR FURNISHED TO MOTT MACDONALD FLORIDA LLC FOR THE PURPOSES OF THIS SURVEY SHOWN HEREON.
3. THE OPINION OF THE LOCATION AND EXTENT OF THE PROPERTY REPRESENTED & RIGHT OF WAYS BY THE SURVEY DOES NOT GUARANTEE TITLE TO NOR DETERMINE OWNERSHIP TO ANY PERSONS OR PARTY.
4. ALL UNDERGROUND UTILITIES SHOWN WERE LOCATED PER 811 DESIGN TICKETS 323606849, 323606909 & 323606963 AND THEIR PAINTED/FLAGGED LOCATIONS SURVEYED BY MOTT MACDONALD FIELD CREWS. SURVEYOR DOES GUARANTEE UNDERGROUND LOCATIONS. THERE MAY BE OTHER UNDERGROUND UTILITIES NOT SHOWN HEREON. SIZES AND DEPTHS ARE UNKNOWN.
5. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 AS SHOWN ON THIS SURVEY PER THE PROJECTED ELEVATION FROM GPS CONTINUAL REFERENCE STATION "PENSACOLA" PER THE STATE OF FLORIDA.
6. RIGHT OF WAYS AND PARCELS LINES ARE CALCULATED PER FIELD SURVEY OF SUBDIVISION MAPS, RIGHT OF WAY MAPS AND APPARENT MAINTENANCE.

LEGEND & ABBREVIATIONS



LEGEND & ABBREVIATIONS (CONT'D)



HDR Engineering, Inc.
25 West Cedar Street, Suite 200
Pensacola, FL 32502-5945
(850) 432-6800
www.hdrinc.com
Certificate of Authorization No. 4213

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	A. VINSON
DESIGNED BY	J. CLARK
DRAWN BY	J. CLARK
CHECKED BY	J. BURCHFIELD
PROJECT NUMBER	PD 13-14.0B1

D. Allen Vinson, P.E.

License No. 72543



ESCAMBIA COUNTY
ENGINEERING DEPARTMENT

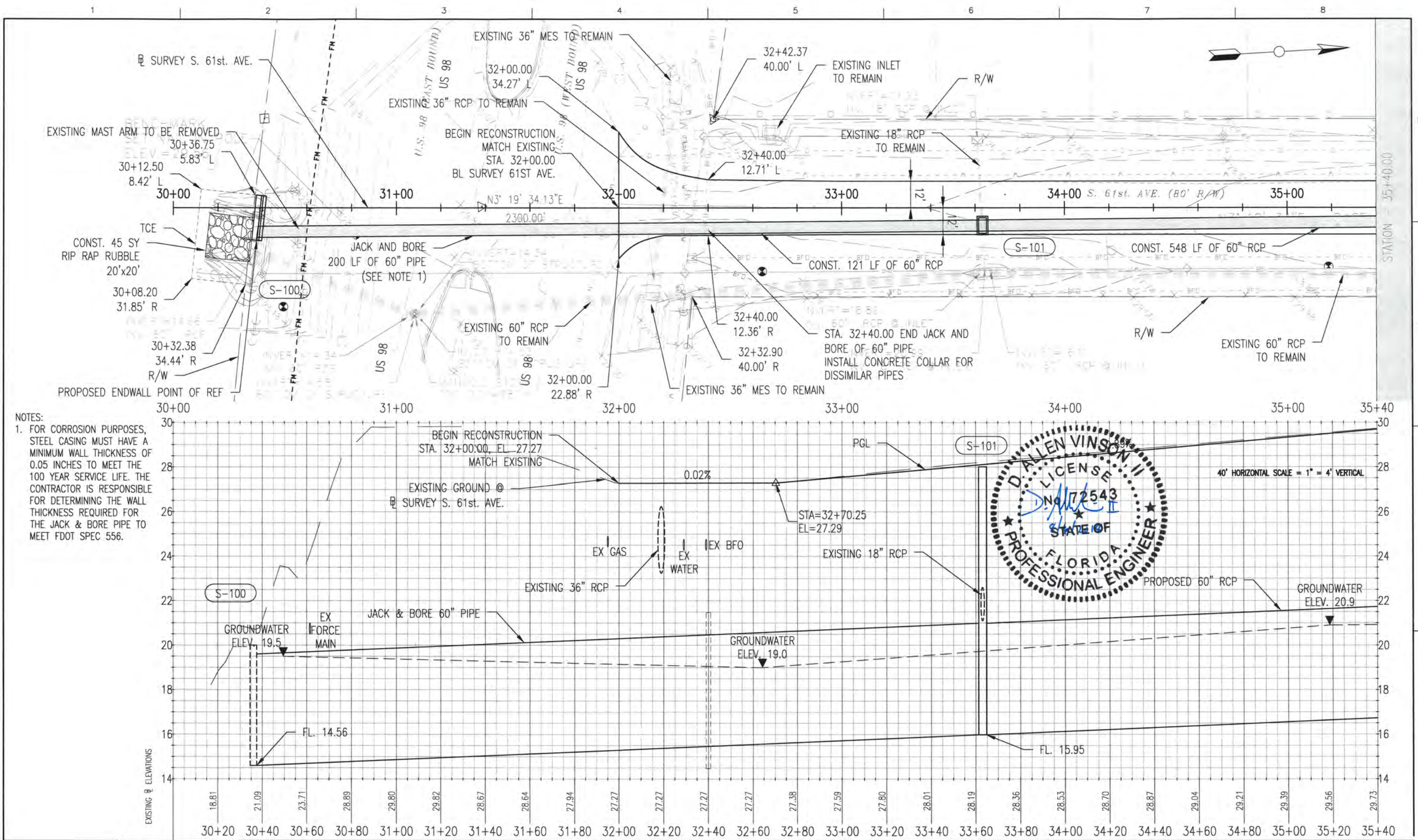
LAKE CHARLENE AREA
DRAINAGE IMPROVEMENTS

PROJECT NOTES

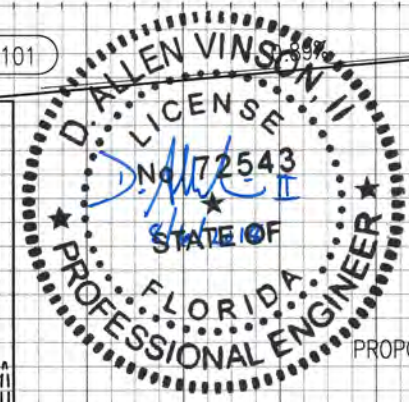
Approved
2017-A-395-074
David Wilks
9/6/2018

11 X 17
SCALE: NOT TO SCALE

SHEET



NOTES:
 1. FOR CORROSION PURPOSES, STEEL CASING MUST HAVE A MINIMUM WALL THICKNESS OF 0.05 INCHES TO MEET THE 100 YEAR SERVICE LIFE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE WALL THICKNESS REQUIRED FOR THE JACK & BORE PIPE TO MEET FDOT SPEC 556.



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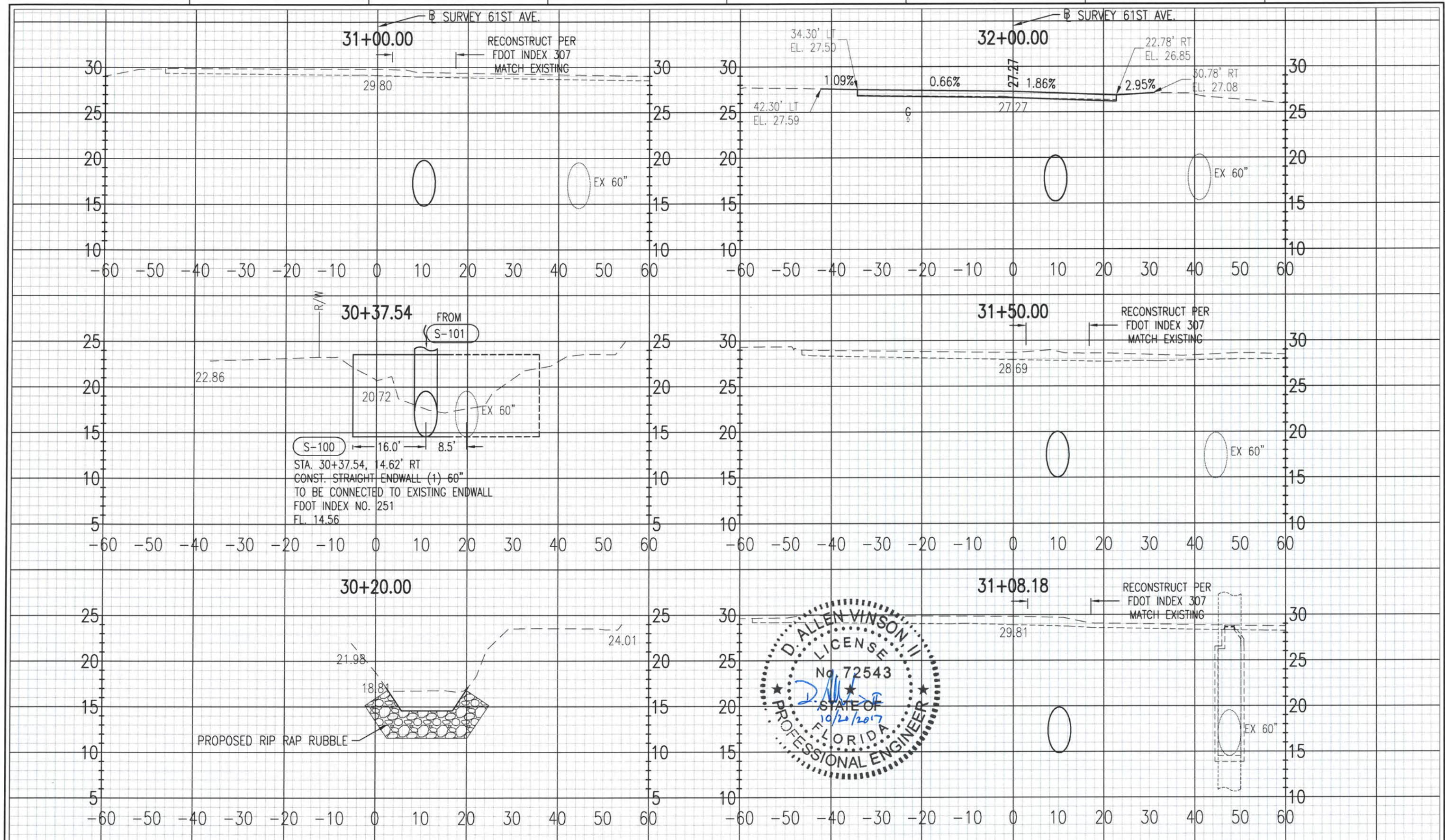
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PROJECT NUMBER	13-14.081

D. Allen Vinson, P.E.
 License No. 72543

ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
LAKE CHARLENE
DRAINAGE IMPROVEMENTS

Approved
PLAN & PROFILE
S. 61st AVE.
STA. 30+00.00 - 35+40.00
 11 X 17 SCALE: 1" = 40'
 SHEET 8



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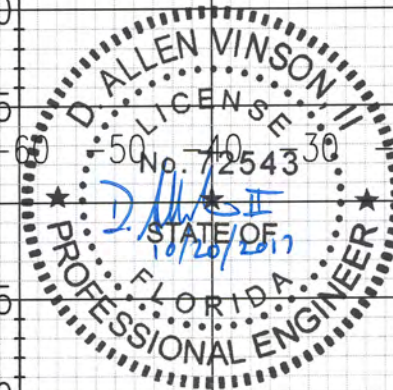
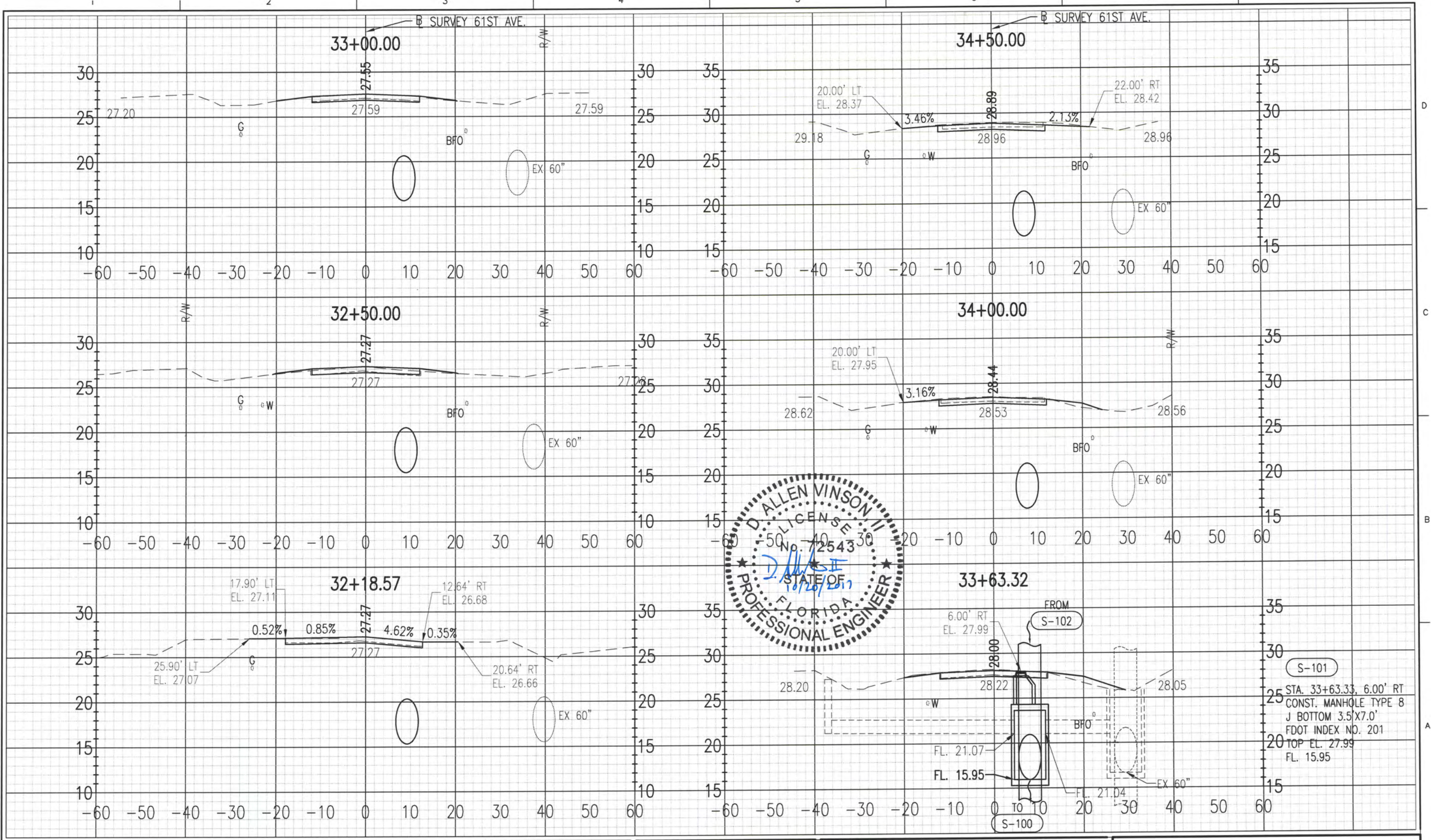
ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
LAKE CHARLENE AREA
DRAINAGE IMPROVEMENTS

CROSS SECTIONS
61ST AVE.
 Approved 2017-A-395-074
 David Wilks
 8/6/2018

11 X 17 SCALE: HORZ: 1" = 20' VERT: 1" = 10'

0 10 20

SHEET 14



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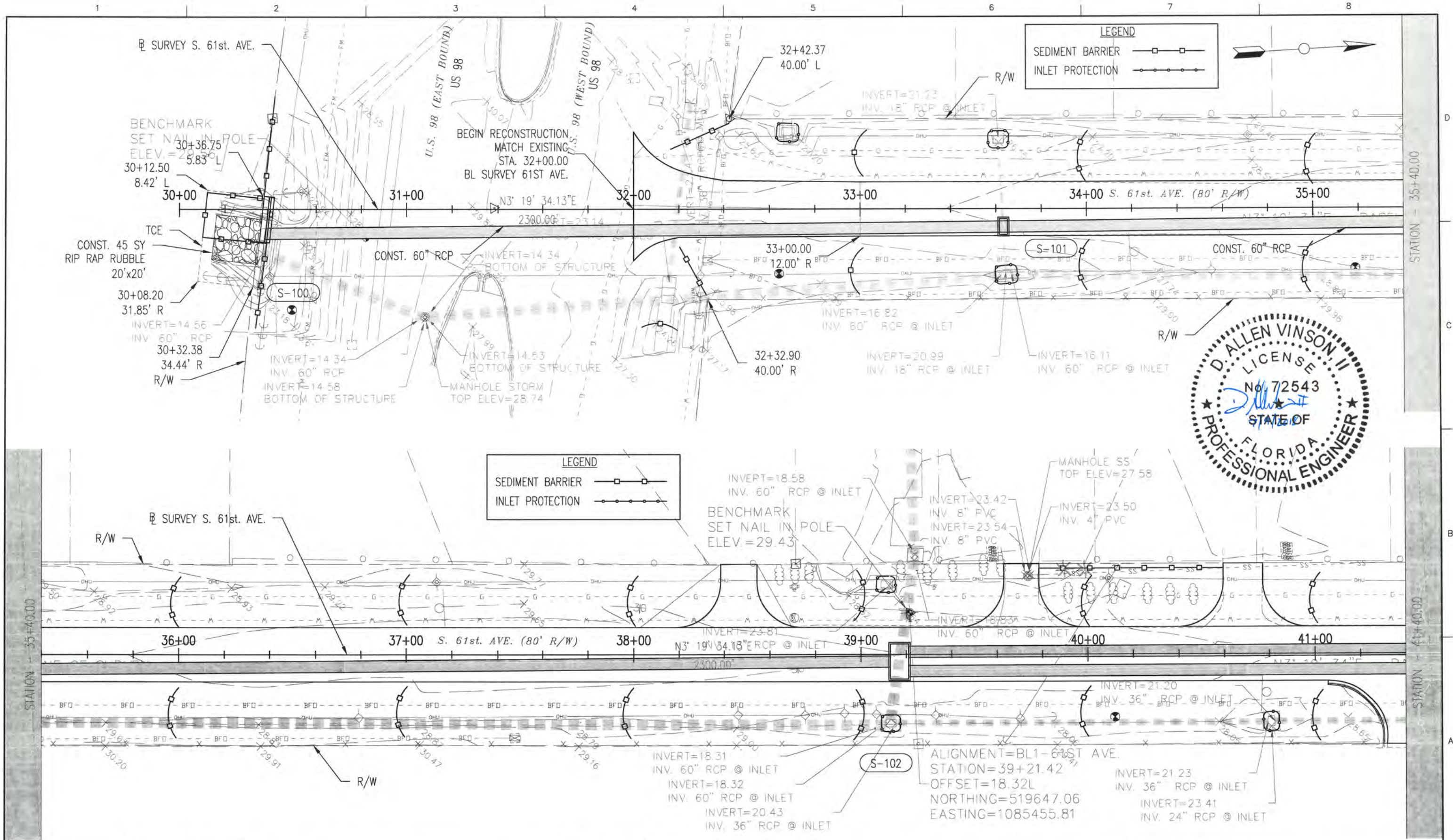
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D. Allen Vinson, P.E.
License No. 72543

ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
LAKE CHARLENE AREA
DRAINAGE IMPROVEMENTS

CROSS SECTIONS
61ST AVE.
Approved
2017-A-395-074
David Wilks
8/6/2018
15
11 X 17
SCALE:
HORZ: 1" = 20'
VERT: 1" = 10'



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ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
LAKE CHARLENE
DRAINAGE IMPROVEMENTS

EROSION CONTROL PLAN
S. 61st AVE.
STA. 30+00.00 - 41+40.00
11 X 17 SCALE: 1" = 40'
9/6/2018
SHEET 28

TEMPORARY TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR SHALL PROVIDE AN APPROVED TRAFFIC CONTROL PLAN THAT ADHERES TO THE REQUIREMENTS OF THE FY 2018-19 FDOT DESIGN STANDARD PLANS.
2. THE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT FDOT "STANDARD PLAN" INDEX SERIES 102-600, SPECIFICALLY INDEX 102-600, 102-601, 102-602, 102-603, 102-604, 102-605, 102-612, 102-613 AND 102-615 AND THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
3. THE CONTRACTOR SHALL INSTALL ADVANCE CONSTRUCTION SIGNING PRIOR TO COMMENCEMENT OF ALL CONSTRUCTION OPERATIONS AND MAINTAIN SIGNING THROUGHOUT THE DURATION OF CONSTRUCTION.
4. ARROWS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
5. LANE CLOSURES WILL NOT BE PERMITTED DURING SPECIAL EVENTS, AND NO WORK WILL BE PERMITTED DURING HOLIDAYS AS CALLED FOR IN THE SPECIFICATIONS.
SPECIAL EVENT: BLUE ANGEL AIR SHOW AT NAVAL AIR STATION HELD DURING NOVEMBER OF EACH YEAR.
6. ALL LANES ON 61st AVE. & LAKE JOANNE DR. MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS DURING AN EVACUATION NOTICE OF A HURRICANE OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PROJECT ENGINEER/ADMINISTRATOR.
7. EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT ARE TO BE TEMPORARILY RELOCATED DURING CONSTRUCTION AND KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLE TRAFFIC.
8. WORK ZONE SPEED LIMITS SHALL BE POSTED 20 MPH ON COUNTY ROADWAYS.
9. THE CONTRACTOR SHALL NOT EXCAVATE ANY AREA LARGER THAN HE CAN BACKFILL OR RECONSTRUCT BY THE END OF THE SAME WORK PERIOD. NO DROPOFF REQUIRING THE USE OF A BARRIER WALL WILL BE ALLOWED TO REMAIN IN AN INACTIVE WORK ZONE. THE CONTRACTOR SHALL RESTORE DROPOFFS TO AN ACCEPTABLE GRADE USING AN APPROVED METHOD FROM INDEX 600.
10. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) ARE TO BE PLACED AND RUNNING AT LEAST 7 DAYS PRIOR TO LANE AND/OR INTERSECTION CLOSURE.
11. THE CONTRACTOR SHALL MAINTAIN ACCESS TO LOCAL PROPERTIES DURING ROAD CLOSURE.
12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH THE NAVY HOSPITAL ABOUT THE CLOSURE OF THEIR BACK GATE DURING CONSTRUCTION.

CONSTRUCTION SEQUENCE:

1. CLOSE S. 61ST AVE.
2. RELOCATE TRAFFIC SIGNAL ON US 98.
3. INSTALL PIPE ACROSS US 98 USING JACK AND BORE METHOD. (SEE FDOT SPECS)
4. INSTALL PIPE ON 61ST AVE.
5. RECONSTRUCT 61ST AVE.
6. INSTALL PIPE ON LAKE JOANNE DR.
7. RECONSTRUCT LAKE JOANNE DR.
8. OPEN S. 61ST AVE. TO TRAFFIC.
9. CONSTRUCT WEIR AND HEADWALL AT LAKE JOANNE CANAL





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CHECKED BY	J. BURCHFIELD
PROJECT NUMBER	PD 13-14.081

D. Allen Vinson, P.E.

License No. 72543



ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
LAKE CHARLENE AREA
DRAINAGE IMPROVEMENTS

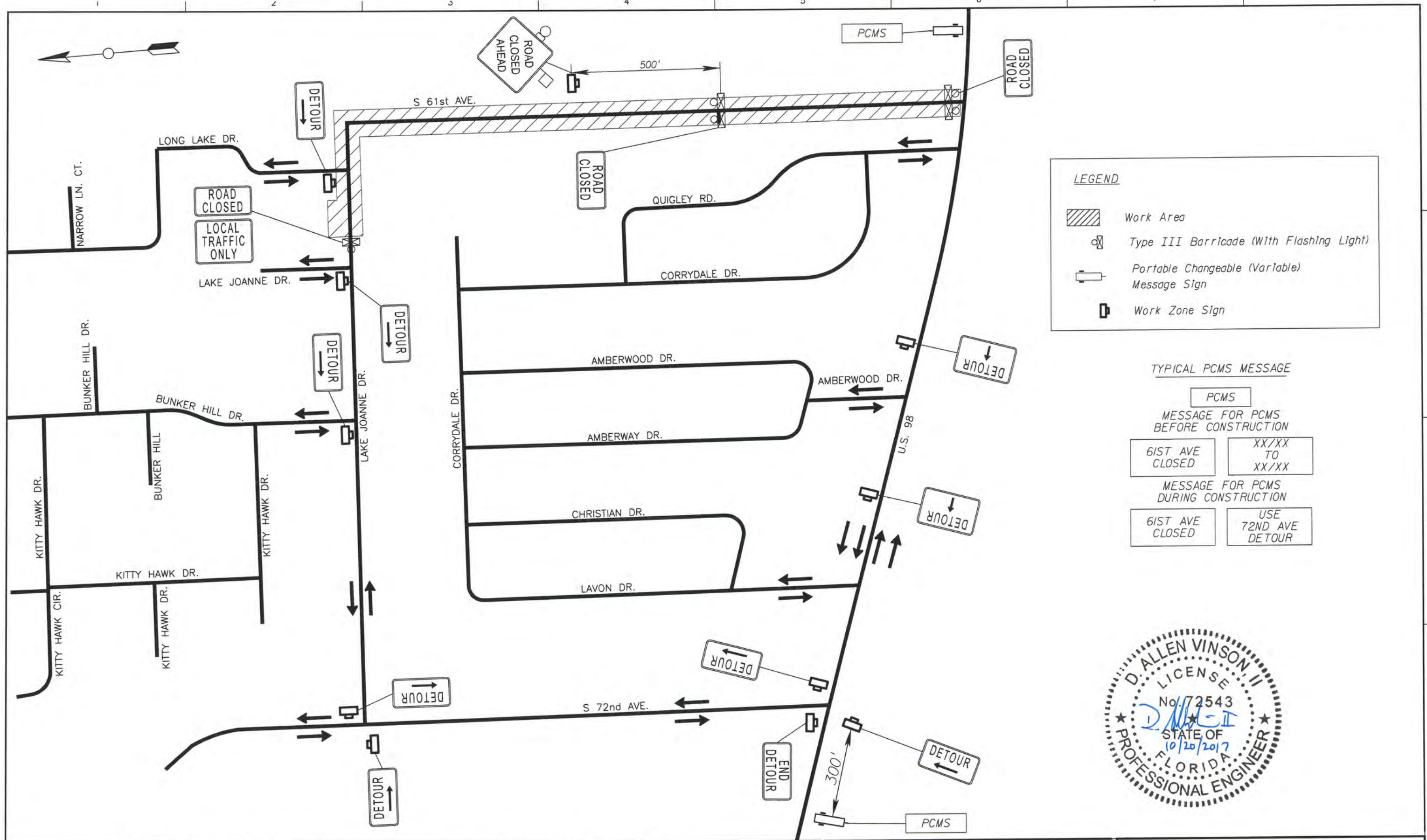
TEMPORARY TRAFFIC
CONTROL PLAN

11' X 17'
SCALE: NOT TO SCALE

0

Approved
2017-A-395-074
David Wilks
9/6/2018

SHEET
31



LEGEND

- Work Area
- Type III Barricade (With Flashing Light)
- Portable Changeable (Variable) Message Sign
- Work Zone Sign

TYPICAL PCMS MESSAGE

PCMS

MESSAGE FOR PCMS BEFORE CONSTRUCTION

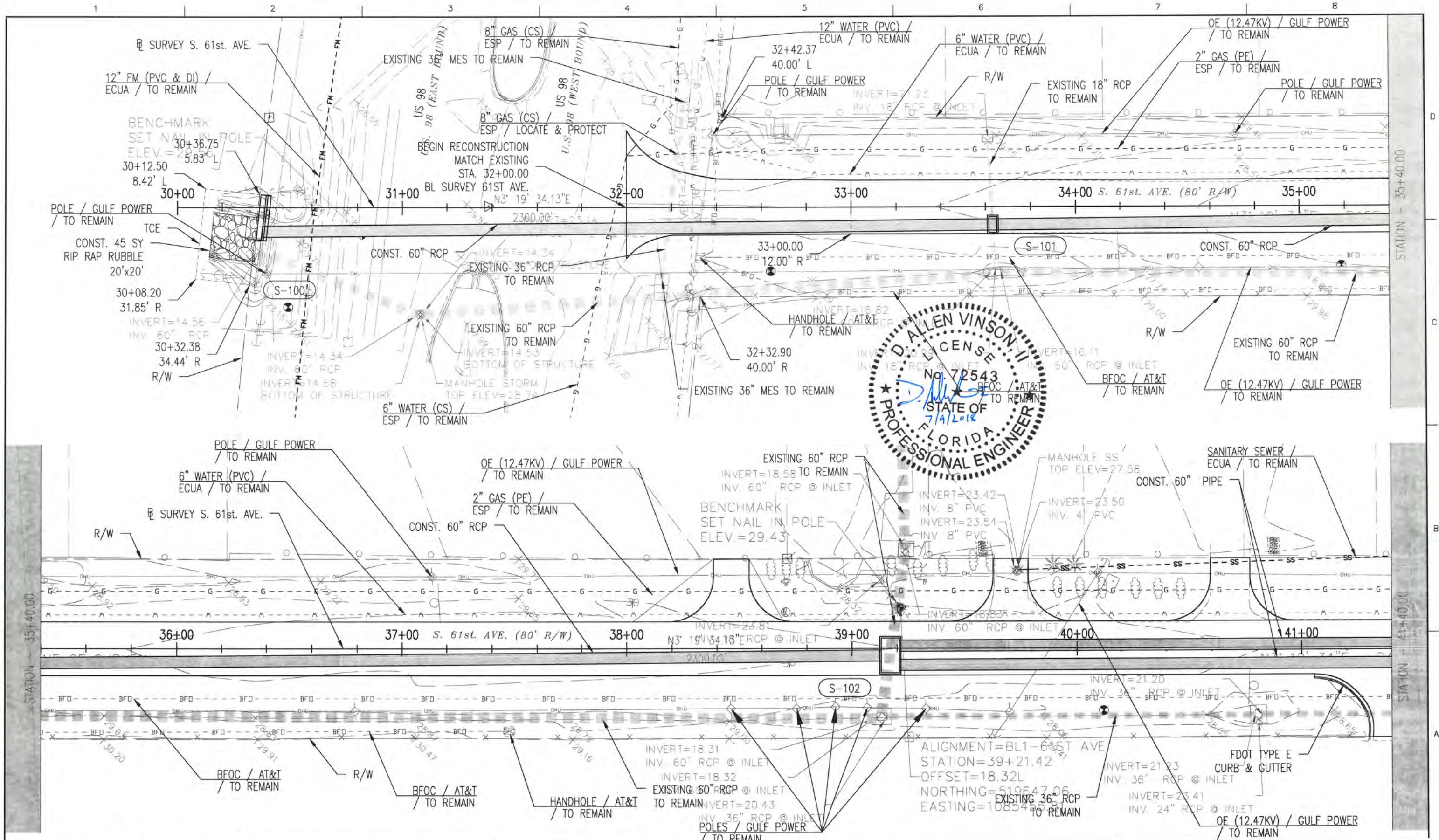
61ST AVE CLOSED	XX/XX TO XX/XX
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MESSAGE FOR PCMS DURING CONSTRUCTION

61ST AVE CLOSED	USE 72ND AVE DETOUR
--------------------	---------------------------



 HDR Engineering, Inc. 25 West Cedar Street, Suite 200 Pensacola, FL 32502-5945 (850) 432-6800 www.hdrinc.com Certificate of Authorization No. 4213	PROJECT MANAGER A. VINSON DESIGNED BY J. CLARK DRAWN BY J. CLARK CHECKED BY J. BURCHFIELD	D. Allen Vinson, P.E. License No. 72543	 ESCAMBIA COUNTY ENGINEERING DEPARTMENT LAKE CHARLENE AREA DRAINAGE IMPROVEMENTS	TEMPORARY TRAFFIC CONTROL PLAN Approved 2017-A-395-074 David Wilks 9/6/2018	<table border="1" style="width: 100%;"> <tr> <td style="width: 33%;">ISSUE</td> <td style="width: 33%;">DATE</td> <td style="width: 33%;">DESCRIPTION</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	ISSUE	DATE	DESCRIPTION												
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PROJECT NUMBER PD 13-14.081		Scale: 1" = 300' 	SHEET 32																	



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ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
LAKE CHARLENE
DRAINAGE IMPROVEMENTS

UTILITY ADJUSTMENT PLAN
S. 61st AVE.
STA. 30+00.00 - 41+40.00
 11 X 17 SCALE: 1" = 40'
 Approved
 David Wilks
 9/6/2018
 SHEET 33

Figure 1 shows two examples of traffic signs and signals. Example (A) includes a rectangular sign with '1' and '6' in boxes, a circular sign with 'R', 'Y', 'G' and arrows, a rectangular sign with '650-1-18', and a rectangular sign with 'US 98'. Example (B) includes a rectangular sign with '6' and '8' in boxes, a circular sign with 'R', 'Y', 'G', a rectangular sign with '650-1-14', and a rectangular sign with 'S. 61st AVE'.



HR

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-	-	-
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PROJECT NUMBER	13-14.081
----------------	-----------

License No. 72543



**ESCAMBIA COUNTY
ENGINEERING DEPARTMENT**

**LAKE CHARLENE
DRAINAGE IMPROVEMENTS**

SIGNALIZATION PLAN
U.S. 90 AND S. 61st AVE

11 X 17 SCALE:	1" = 30'	SHEET T-001
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SHEET
18-001

350271 LakeCharlene S001 - STRUCTURAL GENERAL NOTES 10/19/2017 3:59 PM

GENERAL NOTES

GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS:

1. FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS (LATEST EDITION)
2. FDOT STRUCTURES MANUAL DATED JANUARY 2017
3. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LOAD AND RESISTANCE FACTOR (LRFD) BRIDGE DESIGN SPECIFICATIONS, [7TH], EDITION AND ALL SUBSEQUENT INTERIMS.

MATERIALS

1. ALL CONCRETE SHALL CONFORM WITH SECTION 346
2. UNIT WEIGHT OF CONCRETE (INCLUDING REINFORCING) = 150 LB/FT³
3. CONCRETE SHALL BE CLASS II, CAST IN PLACE AND HAVE A MIN. 28-DAY COMPRESSIVE STRENGTH OF 3,400 PSI
4. PROVIDE 3/4" CHAMFERS ON ALL EXPOSED EDGES EXCEPT AS OTHERWISE NOTED.
5. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60
6. MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN IN PLANS:
WALL: 2"
FOOTING: 2", EXCEPT CAST AGAINST EARTH: 3"

PLAN DIMENSIONS

1. ALL DIMENSIONS IN THESE PLANS ARE MEASURED IN FEET EITHER HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED.
2. ENDWALL DIMENSIONS, LOCATIONS AND POSITIONS ARE FOR ROUND AND ELLIPTICAL CONCRETE PIPE. ROUND CONCRETE PIPE SHOWN.

UTILITIES

1. FOR LOCATIONS OF EXISTING UTILITIES, SEE CIVIL DRAWINGS AND UTILITY PLANS
THE UTILITIES SHOWN IN THESE PLANS ARE AT APPROXIMATE LOCATIONS

SITE CONDITIONS

1. REVIEW ALL CONTRACT DOCUMENTS, DIMENSIONS AND SITE CONDITIONS AND COORDINATE WITH FIELD DIMENSIONS. REPORT ANY DISCREPANCIES IN WRITING TO THE ENGINEER OF RECORD. DO NOT CHANGE SIZE OR DIMENSIONS OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE ENGINEER OF RECORD.
2. ALL PORTIONS OF TREES AND MISCELLANEOUS DEBRIS WITHIN THE CHANNEL WITHIN THE R/W LIMITS SHALL BE REMOVED AND DISPOSED PROPERLY
3. FRONT SLOPE AND DITCH TRANSITIONS SHALL BE IN ACCORDANCE WITH INDEX NO. 280
4. ON OUTFALL DITCHES WITH SIDE SLOPES FLATTER THAN 1:1½ PROVIDE 20' TRANSITIONS FROM THE ENDWALL TO THE FLATTER SIDE SLOPES, RIGHT OF WAY PERMITTING
5. DEWATERING WILL BE NEEDED TO INSTALL THE FOUNDATIONS. REFER TO GEOTECHNICAL REPORT FROM LARRY M JACOBS, FILE # 16-251, DATED JANUARY 13, 2017 FOR HEADWALL FOUNDATION AND SHEET PILE RECOMMENDATIONS.
6. IF DEWATERING IS NOT PAID FOR IN A PAY ITEM, DEWATERING COST SHALL BE INCIDENTAL TO THE COST OF THE ITEM TO BE INSTALLED.



MOTT MACDONALD
FLORIDA LLC
3000 West 10th Avenue
Tampa, FL 33607
Telephone: (813) 886-6411
Fax: (813) 886-6412
www.mottmac.com



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(850) 432-6800
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A	10/20/17	ISSUED FOR PERMIT
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	B. HENDRICKS
DESIGNED BY	YSS
DRAWN BY	KWD
CHECKED BY	BFH
PROJECT NUMBER	13-14.081

Bart F. Hendricks

License No. 51391



ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
LAKE CHARLENE Area of
Warrington Basin Study

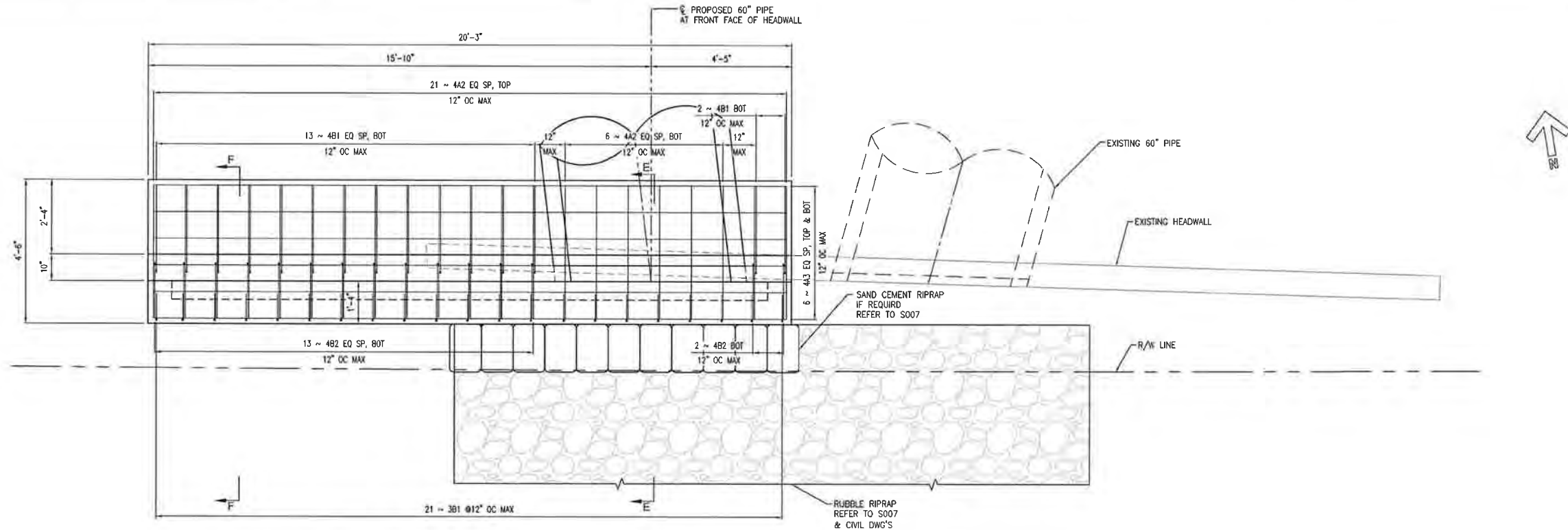
STRUCTURAL GENERAL NOTES

SCALE AS SHOWN

SHEET

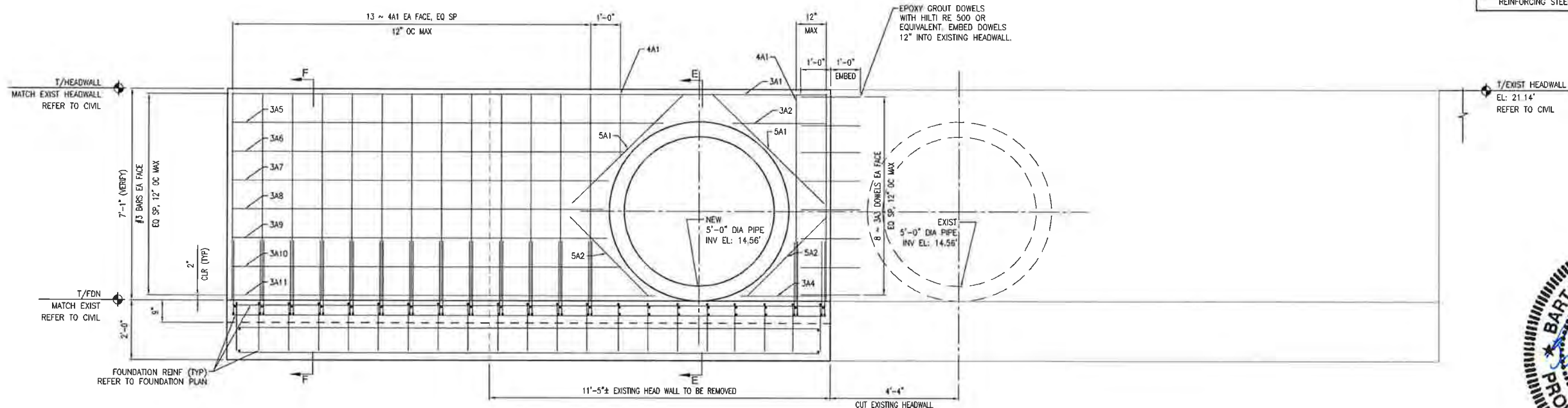
S001

Approved
2017-A-395-074
David Wilks
9/6/2018



FOUNDATION PLAN
SCALE: 1/2" = 1'-0"

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
CLASS II CONCRETE	CU. YD.	7
REINFORCING STEEL	LB.	642



ELEVATION
SCALE: 1/2" = 1'-0"



M
MOTT
MACDONALD

MOTT MACDONALD
FLORIDA LLC
Employee-owned

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ESCAMBIA COUNTY
ENGINEERING DEPARTMENT

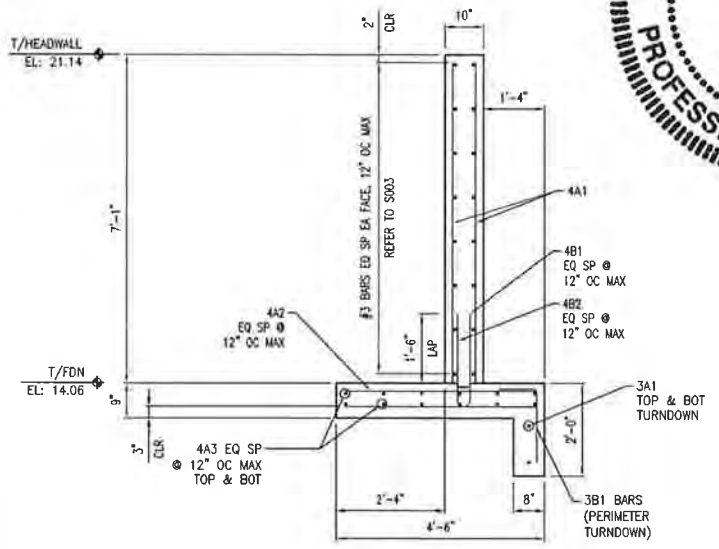
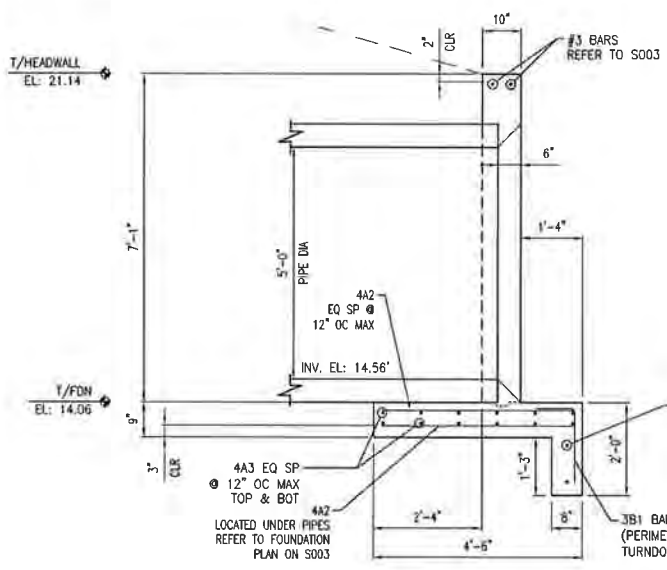
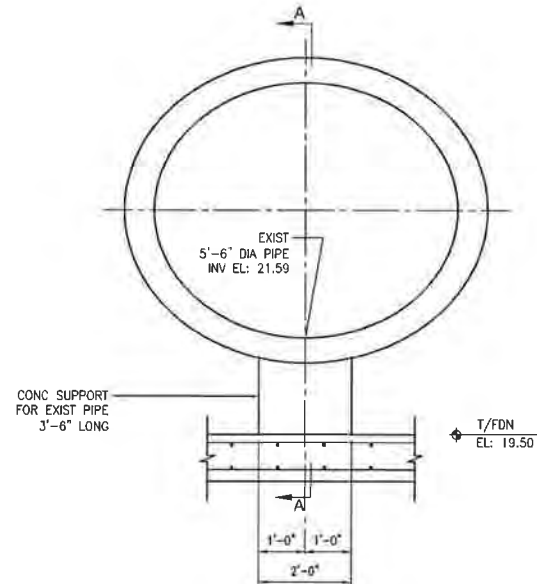
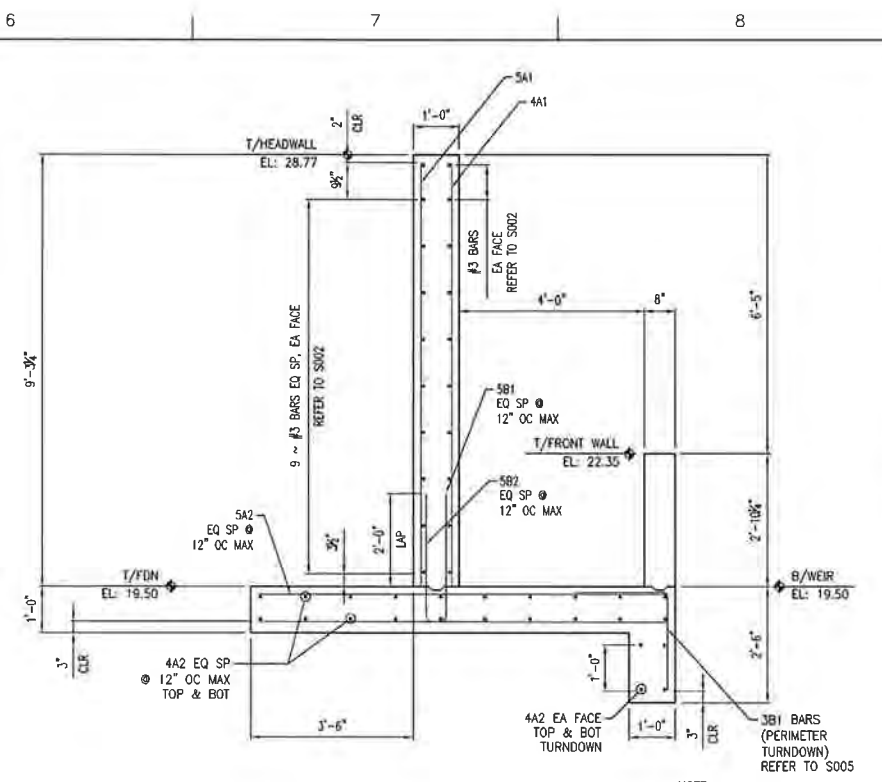
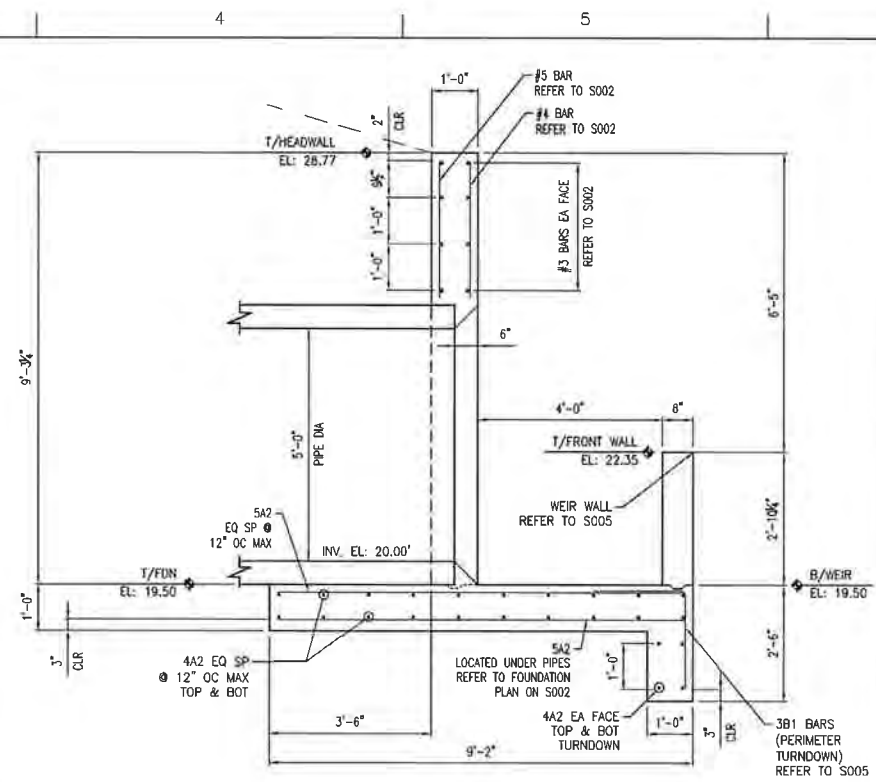
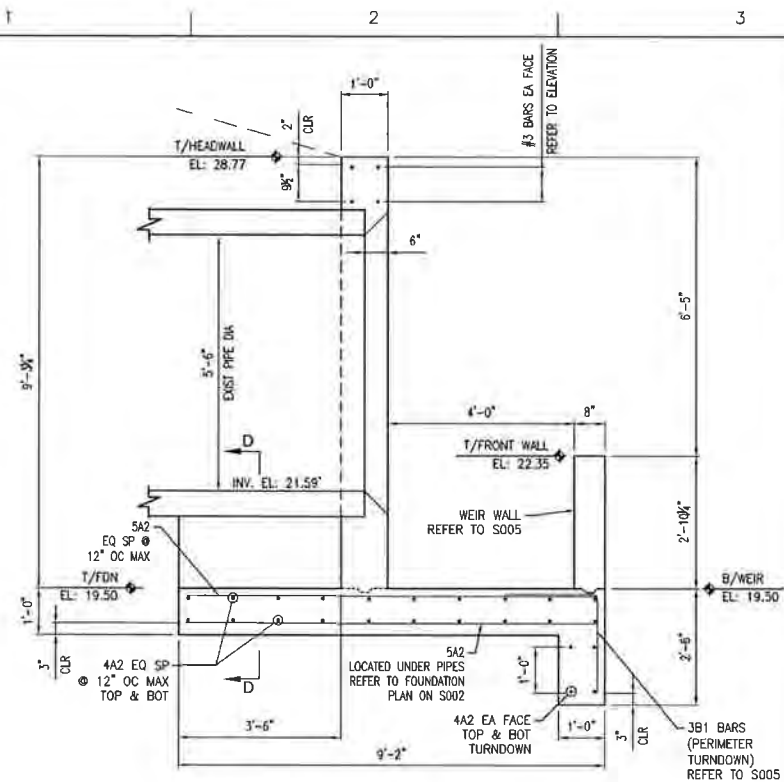
LAKE CHARLENE Area of Warrington Basin Study

HEADWALL PLAN AND ELEVATION
S 61ST STREET AND US HWY 98

Approved
2017/10/23
David Wilks
9/6/2018

SHEET
S003

SCALE AS SHOWN



360271 LakeCharlene S004 - HEADWALL DETAILS 10/18/2017 4:03 PM

M
MOTT
MACDONALD

HDR
Employee-owned
HDR Engineering, Inc.
25 West Cedar Street, Suite 200
Pensacola, FL 32502-5945
(850) 432-6800
www.hdrinc.com
Certificate of Authorization No. 4213

ISSUE	DATE	DESCRIPTION
A	10/20/17	ISSUED FOR PERMIT

PROJECT MANAGER	B. HENDRICKS
DESIGNED BY	YSS
DRAWN BY	KWD
CHECKED BY	BFH
PROJECT NUMBER	13-14.081

Bart F. Hendricks

License No. 51391

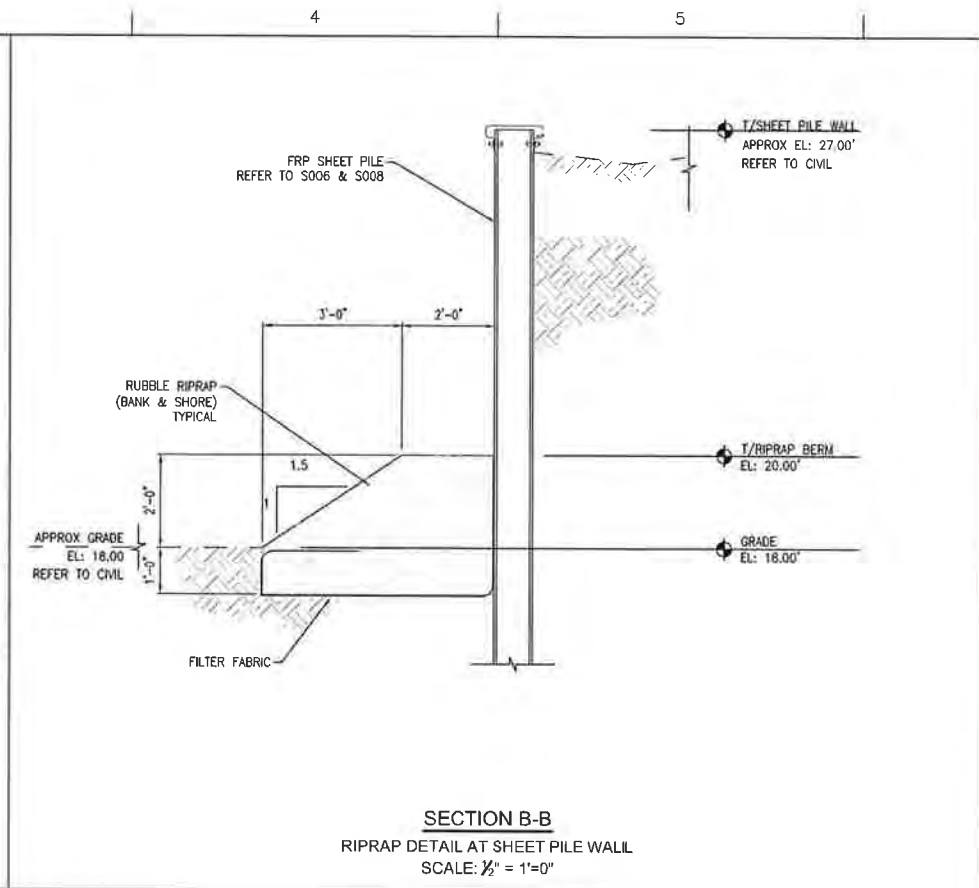
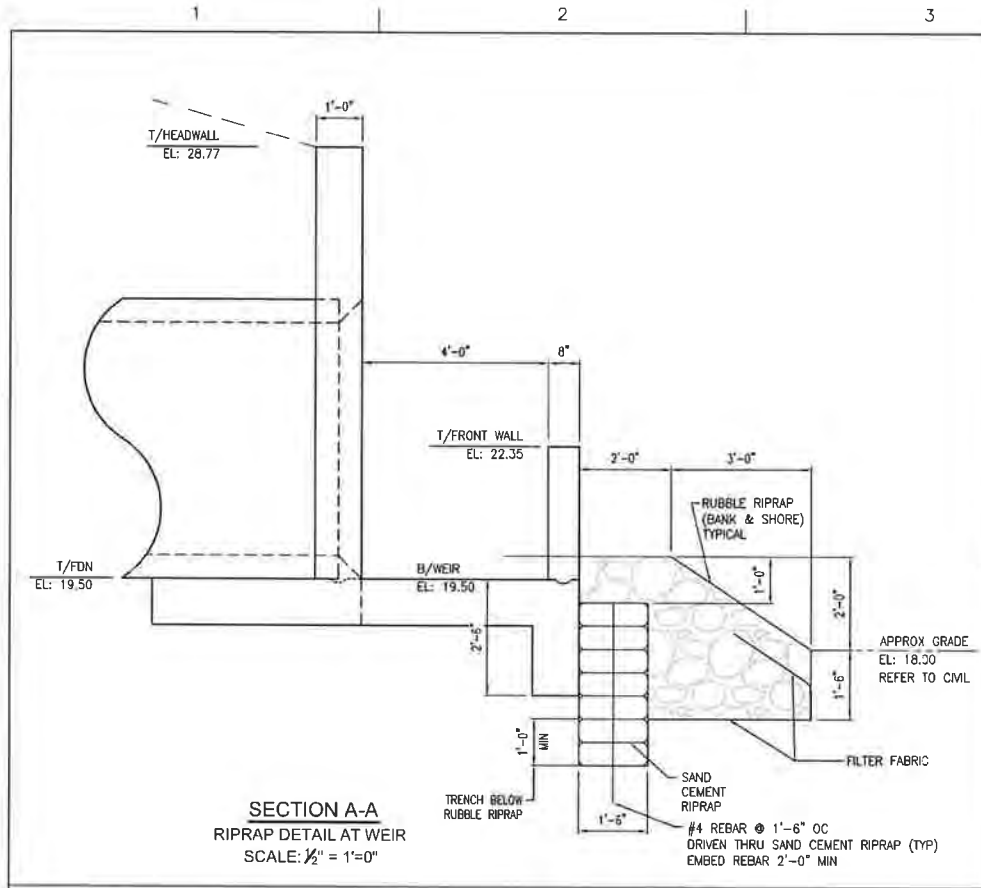


ESCAMBIA COUNTY
ENGINEERING DEPARTMENT
LAKE CHARLENE Area of
Warrington Basin Study

HEADWALL DETAILS

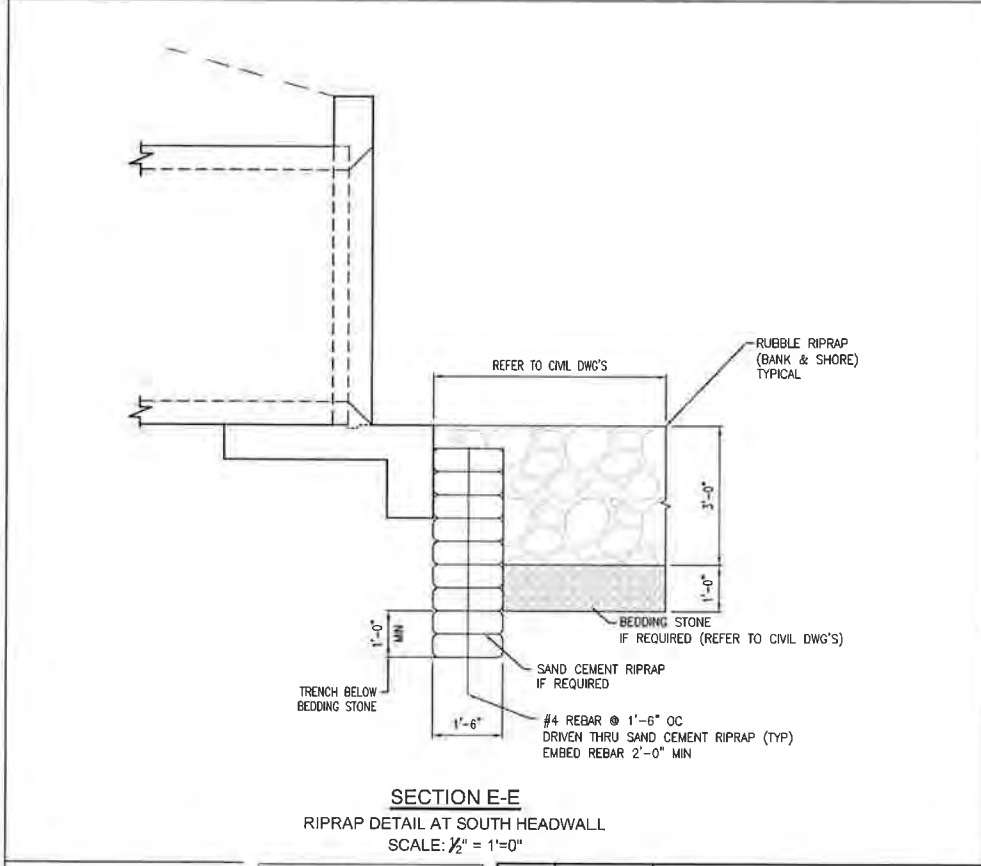
SCALE AS SHOWN

Approved
2017-A-395-074
David Wilks
9/6/2018
SHEET
S004




ESTIMATED QUANTITIES				
ITEM	UNIT	QUANTITY		
		LOCATION		
		WEIR	SHEET PILE WALL	SOUTH HEADWALL
RIPRAP (SAND CEMENT)	CY	11	0	REFER TO CIVIL DWG'S
RIPRAP (RUBBLE)	TN	40	45	REFER TO CIVIL DWG'S
BEDDING STONE	TN	0	0	REFER TO CIVIL DWG'S


NOTES:
1. PLACE SAND CEMENT RIPRAP TO A MINIMUM DEPTH OF 1'-0" BELOW BEDDING STONE, AS SHOWN IN RIPRAP DETAILS
2. PLACE RIPRAP IN ACCORDANCE WITH SECTION 530 OF THE STANDARD SPECIFICATIONS OF ROAD AND BRIDGE CONSTRUCTION
3. FILTER FABRIC SHALL BE TYPE D-2, SEE DESIGN STANDARD INDEX 199. SPLICE LENGTH SHALL BE 2'-0" MINIMUM.
4. DEWATERING AND COMPACTION SHALL BE PER SECTION 125 OF THE SPECIFICATIONS AND THE REPORT OF GEOTECHNICAL EXPLORATION, BY LARRY M. JACOBS & ASSOCIATES, FILE NO. 16-251 DATED JANUARY 13, 2017.




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DESIGNED BY	YSS
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ESCAMBIA COUNTY
FLORIDA

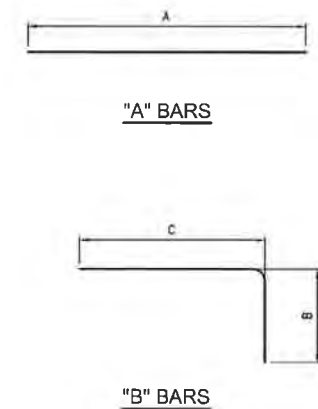
ESCAMBIA COUNTY
ENGINEERING DEPARTMENT

LAKE CHARLENE Area of
Warrington Basin Study

SCALE	AS SHOWN
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REINFORCING BAR LIST HEADWALL (LAKE JOANNE DRIVE)						
SIZE	DESIGNATION	TOTAL NO. REQUIRED	TOTAL LENGTH	A	B	C
3	A1	2	43'-4"	43'-4"		
3	A2	2	54'-0"	54'-0"		
3	A3	2	33'-6 5/8"	33'-6 5/8"		
3	A4	2	32'-8 3/4"	32'-8 3/4"		
3	A5	2	13'-1 1/2"	13'-1 1/2"		
3	A6	2	12'-3 3/8"	12'-3 3/8"		
3	A7	2	11'-11 1/2"	11'-11 1/2"		
3	A8	2	12'-0 3/8"	12'-0 3/8"		
3	A9	2	12'-6 1/8"	12'-6 1/8"		
3	A10	2	13'-8 3/8"	13'-8 3/8"		
3	A11	4	4'-11 7/8"	4'-11 7/8"		
3	A12	4	3'-3 5/8"	3'-3 5/8"		
3	A13	4	3'-3 3/4"	3'-3 3/4"		
3	A14	4	4'-3 1/8"	4'-3 1/8"		
3	A15	2	3'-9 1/4"	3'-9 1/4"		
3	A16	2	6'-1 5/8"	6'-1 5/8"		
3	A17	2	3'-8"	3'-8"		
3	A18	2	7'-0"	7'-0"		
3	A19	2	14'-8 7/8"	14'-8 7/8"		
3	A20	2	13'-10 7/8"	13'-10 7/8"		
3	A21	2	13'-6 5/8"	13'-6 5/8"		
3	A22	2	13'-6 3/4"	13'-6 3/4"		
3	A23	2	13'-11 1/4"	13'-11 1/4"		
3	A24	2	14'-9 5/8"	14'-9 5/8"		
3	A25	2	25'-1 1/4"	25'-1 1/4"		
3	A26	2	26'-3 3/8"	26'-3 3/8"		
3	B1	65	2'-10"		0'-10"	2'-0"
4	A1	53	9'-1 1/4"	9'-1 1/4"		
4	A2	24	54'-0"	54'-0"		
4	A3	4	54'-0"	54'-0"		
4	A4	55	4'-8 1/4"	4'-8 1/4"		
4	A5	2	9'-5 3/8"	9'-5 3/8"		
4	A6	2	9'-8 7/8"	9'-8 7/8"		
4	A7	2	10'-0 3/4"	10'-0 3/4"		
4	A8	2	10'-4 5/8"	10'-4 5/8"		
4	A9	2	10'-8 1/2"	10'-8 1/2"		
4	A10	2	11'-0 3/8"	11'-0 3/8"		
4	A11	24	4'-4"	4'-4"		
4	A12	2	2'-1 3/8"	2'-1 3/8"		
4	A13	2	4'-8 1/2"	4'-8 1/2"		
5	A1	53	9'-1 1/4"	9'-1 1/4"		
5	A2	73	8'-10"	8'-10"		
5	A3	8	5'-0"	5'-0"		
5	A4	8	7'-0"	7'-0"		
5	A5	8	10'-0"	10'-0"		
5	B1	37	7'-2"		3'-0"	4'-2"
5	B2	43	8'-4"		3'-0"	5'-4"

REINFORCING BAR LIST HEADWALL (US 98 AND SOUTH 61st AVENUE)						
SIZE	DESIGNATION	TOTAL NO. REQUIRED	TOTAL LENGTH	A	B	C
3	A1	4	19'-11"	19'-11"		
3	A2	2	3'-2"	3'-2"		
3	A3	16	2'-0"	2'-0"		
3	A4	2	2'-10 3/8"	2'-10 3/8"		
3	A5	2	14'-5 5/8"	14'-5 5/8"		
3	A6	2	13'-1 3/4"	13'-1 3/4"		
3	A7	2	12'-7 1/4"	12'-7 1/4"		
3	A8	2	12'-5 1/4"	12'-5 1/4"		
3	A9	2	12'-6 7/8"	12'-6 7/8"		
3	A10	2	13'-0 5/8"	13'-0 5/8"		
3	A11	2	14'-2 3/8"	14'-2 3/8"		
3	B1	21	2'-5"	2'-5"	10"	1'-7"
4	A1	32	6'-11"	6'-11"		
4	A2	27	4'-2"	4'-2"		
4	A3	12	19'-11"	19'-11"		
4	B1	15	4'-10"		2'-0"	2'-10"
4	B2	15	3'-10"		1'-10"	2'-0"
5	A1	4	5'-3"	5'-3"		
5	A2	4	3'-9"	3'-9"		



NOTE:
ALL BAR DIMENSIONS ARE OUT TO OUT

BENDING DIAGRAM
NOT TO SCALE



REINFORCING BAR LIST		APPROVED 2017-A-395-074 David Wilks 9/6/2018
		SHEET
SCALE	AS SHOWN	S009

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**RECORD OF WAIVED REQUIREMENTS
FOR ALL CATEGORIES****THIS FORM SHALL BE KEPT WITH THE APPLICATION FILE****PART 1: IDENTIFICATION**Project Name: Lake Charlene Area Drainage ImprovementsApplication Number: 2017-A-395-074Applicant: D. ALLEN VINSONTelephone: (850) 375-1309 ext. _____**PART 2: STAFF INFORMATION**Staff Person: Michael ProctorDate of Contact: 8/3/2017Type of Contact: ☐ Telephone
☒ Visit
☐ E-mail
☐ Written Request**PART 3: REQUIREMENT WAIVED**

Driveway Application fee

PART 4: JUSTIFICATIONThis Justification will be based on principles found in existing Florida Statutes or Department Administrative Rules
Local GovernmentSignature of Staff Person: Michael ProctorTitle: PERMITS COORDINATOR IDate: 8/16/2018Approved
2017-A-395-074
David Wilks
9/6/2018