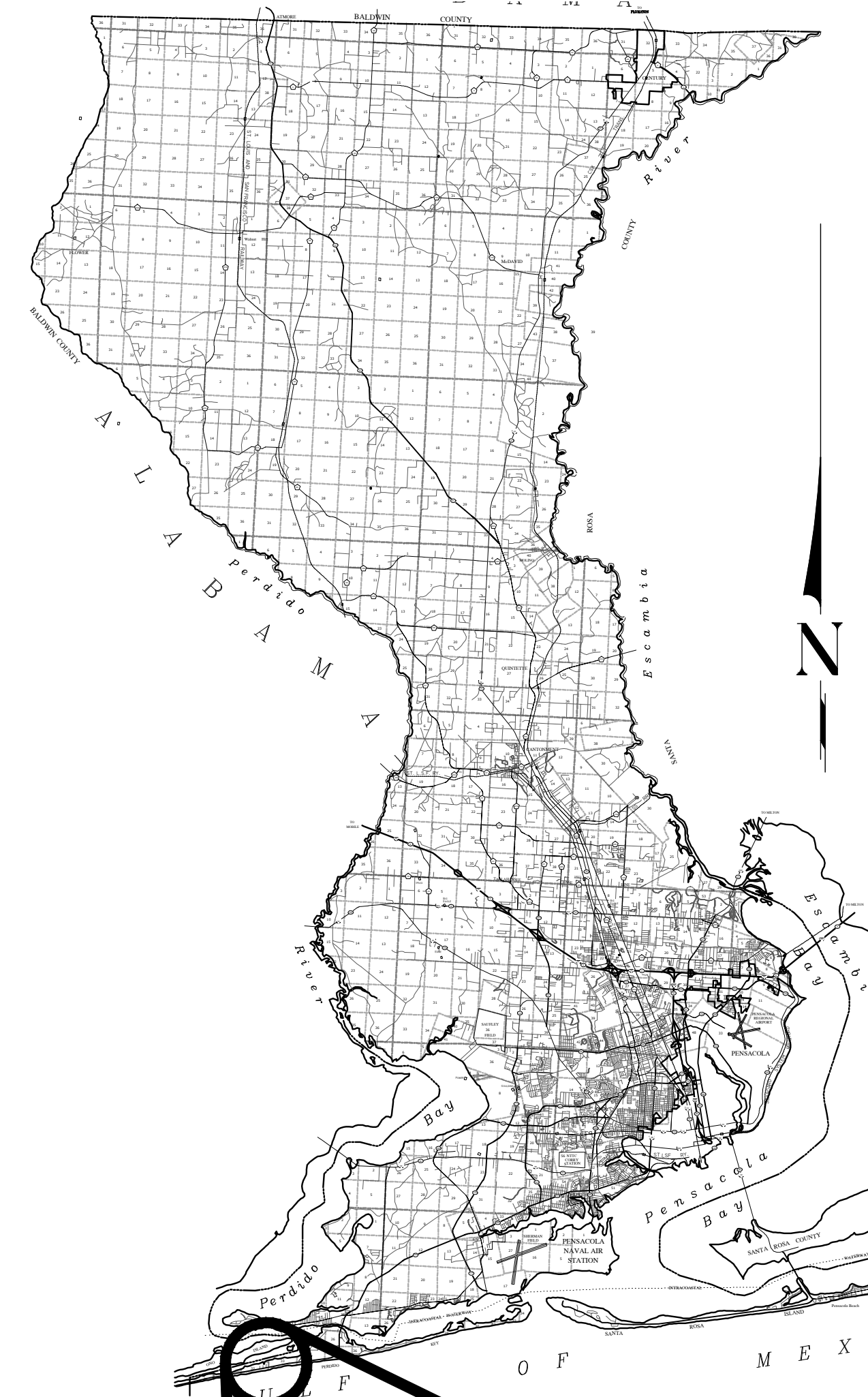




**BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA
 ESCAMBIA COUNTY FACILITIES
 MANAGEMENT DEPARTMENT**



CONSTRUCTION PLANS FOR

**PERDIDO KEY
 FIRE STATION
 PAVEMENT REPAIRS**

INDEX OF IMPROVEMENT PLANS

SHEET NO.	DRAWING NO.	SHEET DESCRIPTION
1	G-101	GENERAL NOTES
2	G-201	N.P.D.E.S., EROSION & SEDIMENT CONTROL NOTES AND DETAILS
3	G-301	STORMWATER POLLUTION PREVENTION PLAN AND BID TABULATION
4	C-101	EXISTING CONDITIONS AND LEGEND
5	C-201	BASE BID DEMOLITION PLAN
6	C-202	ALTERNATE BID DEMOLITION PLAN
7	C-301	BASE BID SITE IMPROVEMENTS PLAN
8	C-302	ALTERNATE BID SITE IMPROVEMENTS PLAN
9	C-401	BASE BID PAVEMENT REPLACEMENT PLAN
10	C-402	ALTERNATE BID PAVEMENT REPLACEMENT PLAN
11	C-501	SHEET PILE WALL
12	D-101	PROJECT DETAILS
13	D-201	CMI SHEET WALL DETAILS

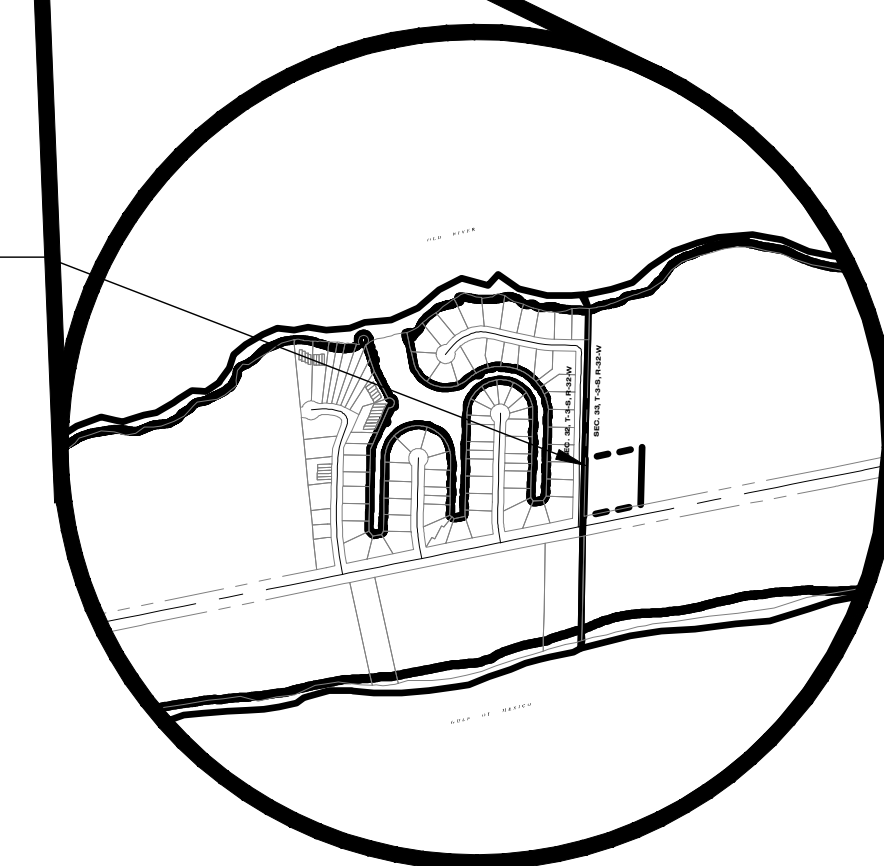
COMMISSIONERS

- | | |
|-----------------------|--|
| DISTRICT ONE | JEFF BERGOSH |
| DISTRICT TWO | DOUG UNDERHILL |
| DISTRICT THREE | LUMON MAY
(CHAIRMAN) |
| DISTRICT FOUR | ROBERT BENDER |
| DISTRICT FIVE | STEVE BARRY
(VICE CHAIRMAN) |

DECEMBER 03, 2019

F.E.I. PROJECT #190017

PROJECT LOCATION

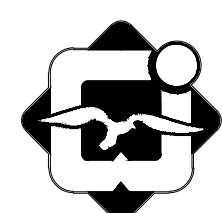


VICINITY MAP

**RELEASED FOR BID
 DECEMBER 03, 2019**

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 REFERED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.


FABRE ENGINEERING & SURVEYING
 ENGINEERS ♦ PLANNERS ♦ SURVEYORS
 119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842

FABRE ENGINEERING, INC. DBA

PROJECT MANAGER: GEORGE BUSH	
SECTION / TOWNSHIP / RANGE: 33 / T-3-S / R-32-W	DISTRICT: 2
PROJECT ENGINEER: CECIL L. JERNIGAN, JR., P.E.	REG FLA ENG NO: 34272
SIGNATURE:	DATE:

**PERDIDO KEY FIRE STATION PAVEMENT REPAIRS
POLLUTION PREVENTION PLAN**

This document is a summary of the complete pollution prevention plan indicated on and an integral part of the construction plans, specifications, and contract documents. Detailed requirements are indicated on the construction plans for the **Perdido Key Fire Station Pavement Repairs**

SITE DESCRIPTION

Project Name: Perdido Key Fire Station Pavement Repairs
Owner Name: Escambia County
Location: Latitude 30° 26' 04.78" N Longitude 87° 13' 59.34" W
Owner Address: 3363 West Park Place, Pensacola FL 32526
Project Address: 15500 Pedido Key Drive, Pensacola, FL 32507
Project Contact: George Bush
Description: The proposed project is a repair of the damaged concrete driveway and parking area at the Fire Station. The work involves the removal and replacement of the damaged concrete only. No new work is involved.
Curve Number: 95
Total Site Area: 66,610 SF.
Total Area Disturbed: 15130 SF.
Existing Soil Data: Currently Paved
Receiving MS4: Escambia County
Lat/Long of Discharge Points:

Lat	Long	Contributing D.A	Discharge Point Ref.
30° 17' 29.61"N	87° 28' 09.96"W	1.42 Acres	NE Corner of Lot

SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

- Contractor will mobilize and install silt fence, hay bales and other erosion & sediment control measures, as needed, in critical areas where work is being performed.
- Selective demolition of the site will be completed.
- Construction of the addition will be completed.

Upon completion of construction of all soil disturbing activities, and following the establishment of grassing and permanent erosion controls in each area, all temporary erosion control measures will be removed.

TIMING OF EROSION AND SEDIMENT CONTROL MEASURES

The silt fencing, haybales, and other temporary sediment control measures implemented, as needed, will be installed prior to clearing of any portions of the site in which work is currently being performed. Areas where construction activities are completed, or temporarily cease for more than 21 days, will be stabilized with a temporary seed and mulch within 14 days of the last disturbance. After the entire site is stabilized, any accumulated sediment will be removed as necessary.

EROSION AND SEDIMENT CONTROLS

All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in section 62-40.432, Florida Administrative Code, the applicable Stormwater or Environmental Resource Permitting requirements of FDEP or a Water Management District, and the guidelines contained in the Florida Development Manual: A Guide to Sound Land and Water Management (DEP) 1988 and any subsequent amendments.

Stabilization Practices
 Temporary sediment control measures may include, but are not limited to: silt fencing, hay bale barriers, construction of temporary sediment check dams, inlet protection and temporary seeding. Permanent sediment control measures include but are not limited to seeding and mulching or sodding areas disturbed by the proposed construction activity. Stabilization practices are detailed on the construction plans, but shall include any measures necessary to prevent sediment from escaping the site and to comply with all applicable FDEP standards.

Structural Practices
 Stormwater runoff shall continue to be directed to existing roadside drainage swales and/or storm sewer systems. Best Management Practices (BMP) shall be implemented as needed to ensure that no sediment escapes the site.

Stormwater Management
 This site is drained by surface sheet flow which is directed into existing roadside swales and/or storm sewer systems. Stormwater runoff generated by proposed construction activity will not be increased or changed from existing conditions. The existing stormwater system will be improved as a result of this project.

Other Control Measures

Waste Materials: All waste materials will be collected and stored in secured metal dumpsters to be provided by a solid waste management company licensed in Escambia County, Florida. The dumpsters will meet all Escambia County and any State of Florida solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpsters. Dumpsters will be emptied as required to prevent overflow. No construction waste materials will be buried or burned onsite. All personnel will be instructed regarding the correct procedure for waste disposal. Notices stating these practices will be posted in the construction office trailer, or at another easily accessible location.

Hazardous Waste: All hazardous waste materials will be disposed of as specified by EPA, Escambia County, State of Florida regulations, or by the manufacturer. The General Contractor will be responsible for ensuring that these practices are followed and that site personnel receive the needed instruction and training.

Offsite Vehicle Tracking: The paved streets adjacent to the site will be swept as required to remove any excess mud, dirt, or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with a tarpaulin.

MAINTENANCE AND INSPECTION PROCEDURES

- All control measures will be inspected at least once each week, at least 24 hours within any rainfall event, and within 8 hours following any storm event of 0.5 inches or greater.
- All measures will be maintained in good working order, if a repair is necessary it will be initiated within 24 hours of being reported.
- Built up sediment will be removed from silt fence when it has reached one third the height of the fence.
- Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
- Earthen swales and berms will be inspected and any damage or breaches will be promptly repaired.
- Temporary and permanent seeding will be inspected for bare spots, washouts, and healthy growth.
- A maintenance inspection report will be made after each inspection.
- The site superintendent will select individuals who will be responsible for inspections, maintenance and repair activities, and filling out maintenance inspection reports.
- Personnel selected for inspection and maintenance responsibilities will be qualified accordingly and will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.
- All non-stormwater discharges from sources such as flushing, pavement or vehicle washdown, dewatering, or any other source will be directed to a temporary sediment basin prior to discharge.

INVENTORY FOR POLLUTION PROTECTION PLAN

- The materials or substances below are expected to be onsite during construction.
- | | |
|----------------------------|-----------------------------------|
| ■ Petroleum based products | ■ Concrete |
| ■ Sand & Top Soil | ■ Applicable Building Products |
| ■ Cleaning solvents | ■ Gravel |
| ■ Graded Aggregate | ■ Wood |
| ■ Silt Fencing | ■ Sand and Clay Backfill Material |
| ■ Haybales and Hay Mulch | |
| ■ Sodding and Grassing | |

MATERIAL MANAGEMENT AND SPILL CONTROL PRACTICES

The following are spill control practices which will be used to properly cleanup and reduce the risk of spills or other accidental exposure of materials or substances to stormwater runoff.

- An effort will be made to store only enough product and material onsite as required to do the job.
- All materials stored onsite will be stored in a neat and orderly manner in their appropriate containers, and if possible, under a roof or other enclosure.
- Products will be kept in their original containers with the original manufacturers label.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible all of a product will be used before disposing of a container.
- Manufacturers recommendations for proper use and disposal will be followed.
- The site superintendent will inspect daily to ensure proper use and disposal of materials.
- Original labels and material safety data will be retained for all hazardous products.
- If surplus hazardous products must be disposed of, manufacturers or local and state recommended methods for proper disposal will be followed.
- All paint containers will be tightly sealed and stored when not in use.
- Excess paint will be disposed of per the manufacturers recommendations and applicable regulations.
- All onsite vehicles will be monitored for leaks and receive regular preventative maintenance.
- Petroleum products will be stored in tightly sealed clearly labeled containers.
- Any asphalt substances used onsite will be applied according to the manufacturers recommendations.
- Fertilizers will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. The contents of any partially used bags of fertilizer shall be transferred to a sealable container.
- Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash except in designated temporary areas bermed or otherwise protected from runoff.
- Manufacturers recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to: brooms, dust pans, mops, rags, gloves, goggles, cat litter, sand, sawdust, and plastic and metal containers specifically for this use.
- Any spills will be cleaned up immediately after discovery.
- Any spill areas will be kept well ventilated and personnel will wear appropriate protective clothing & gear.
- All spills of toxic or hazardous substances will be reported to the appropriate state and/or local authority.
- The spill prevention plan will be adjusted to prevent recurrence of spills or contamination.
- The site superintendent responsible for the day to day site operations, will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training.
- Notice of any spill will be made in accordance with any local, state, or federal requirements.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

The Stormwater Pollution Prevention Plan reflects Florida Department of Environmental Protection Agency requirements for storm water management and erosion and sediment control. To ensure compliance this plan was prepared according to the manual "Storm Water Management For Construction Activities" - publication number EPA 832-R-92-005 as published by the US Environmental Protection Agency.

POLLUTION PREVENTION PLAN CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction, or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____
 By: _____
 Date: _____

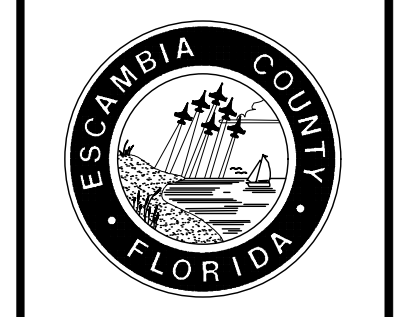
CONTRACTORS CERTIFICATION

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharged associated with activity from the construction site identified as part of this certification.

Signature	For	Responsible For

Pay Items Perdido Key Fire Station Pavement Repair			
ITEM	DESCRIPTION	QUANTITY	UNIT
1	Mobilization	1	LS
2	Traffic Control	1	LS
3	Demo Parking Area	1	LS
4	8 Inch RC Paving	1	LS
5	8" Graded Aggregate Base	1	LS
6	12 Inch Compacted Subgrade	1	LS
7	Excavate Subgrade to Grade	1	LS
8	Video Underdrain (R&R Header)	1	LS
9	Paint Traffic Markings	1	LS
10	Relocate Electric Power (Lights)	1	LS
11	Sheet Pile Retaining Wall SG 950	1	LS
12	Sheet Pile Retaining Wall SG 625	1	LS
13	Sheet Pile Retaining Wall SG 225	1	LS
14	Replace Curb & Guardrail	1	LS
15	Repair Concrete at Inlets A, B, C & H	1	LS
16	Seal Cracks	1	LS
17	Demo Sidewalk	1	LS
18	Replace Sidewalk	1	LS
BASE BID TOTAL			
ADDITIVE ALTERNATE NO. 1			
East Entrance Driveway Repair			
1	Demo Driveway Area	1	LS
2	8 Inch RC Paving	1	LS
3	8" Graded Aggregate Base	1	LS
4	12 Inch Compacted Subgrade	1	LS
5	Paint Traffic Markings	1	LS
ADDITIVE ALTERNATE NO. 1 TOTAL			
ADDITIVE ALTERNATE NO. 2			
Parking Area Pavement Repair			
1	Demo Parking Area	1	LS
2	6 Inch RC Paving	1	LS
3	8" Graded Aggregate Base	1	LS
4	12 Inch Compacted Subgrade	1	LS
ADDITIVE ALTERNATE NO. 2 TOTAL			
ADDITIVE ALTERNATE NO. 3			
West Entrance Driveway Repair			
1	Demo Driveway Area	1	LS
2	8 Inch RC Paving	1	LS
3	8" Graded Aggregate Base	1	LS
4	12 Inch Compacted Subgrade	1	LS
5	Paint Traffic Markings	1	LS
ADDITIVE ALTERNATE NO. 3 TOTAL			
ADDITIVE ALTERNATE NO. 4			
West Rear Driveway Repair			
1	Demo Driveway Area	1	LS
2	8 Inch RC Paving	1	LS
3	8" Graded Aggregate Base	1	LS
4	12 Inch Compacted Subgrade	1	LS
ADDITIVE ALTERNATE NO. 4 TOTAL			

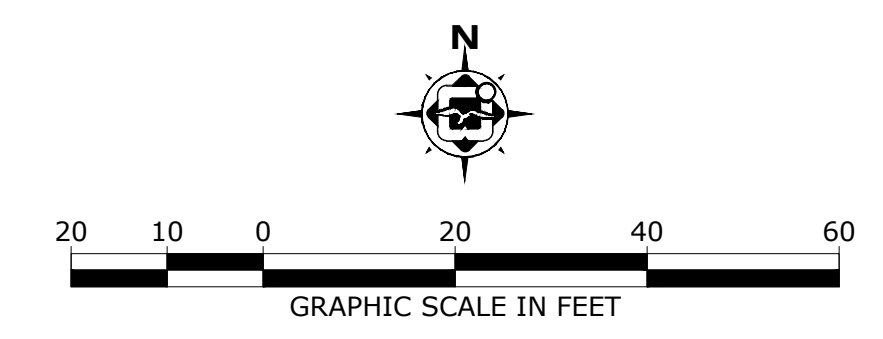
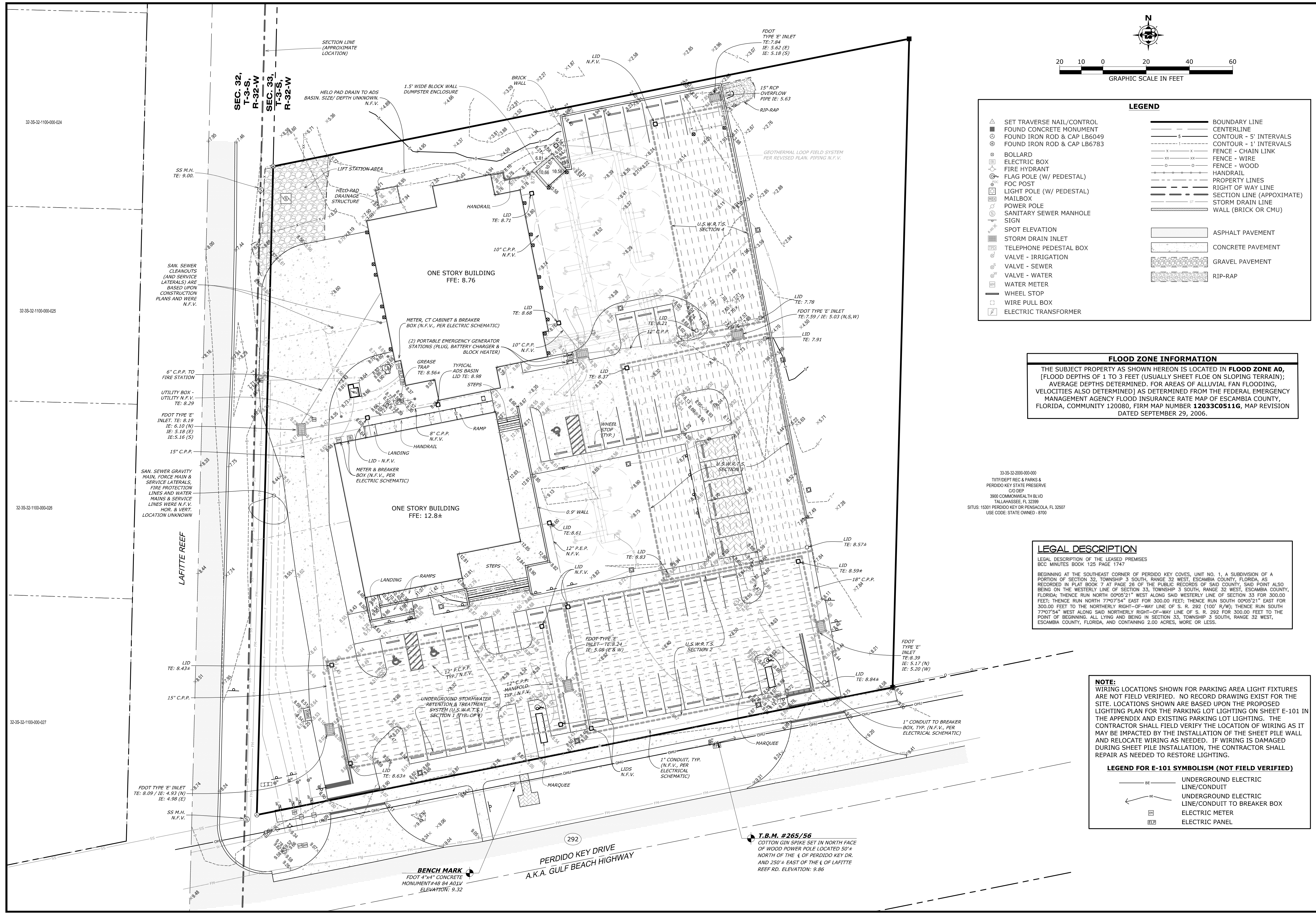
**PERDIDO KEY FIRE STATION
PAVEMENT REPAIRS
STORMWATER POLLUTION PREVENTION
PLAN AND BID TABULATIONS
ESCAMBIA COUNTY, FLORIDA**



FABRE ENGINEERING & SURVEYING
 ENGINEERS PLANNERS SURVEYORS
 119 GREGORY SQUARE, PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842
 DESIGNED BY: CECIL L. BERNIGAN, P.E. DISTRICT: 2
 CHECKED BY: FRANK J. FABRE, P.E. PROJECT MANAGER: GEORGE BUSH
 REG. P.E. NO. 34272
 DATE: 12-08-2019 FIELDBOOK PAGES: 2
 SECTION/TOWNSHIP/RANGE: SEC. 33, T. 58N, R. 63EW

REVISION NUMBER	DATE	APPROVAL

DRAWING NUMBER: **G-301**
 PROJECT NUMBER: 190017
 SURVEY NUMBER: -
 SHEET 03 OF 13



LEGEND

▲	SET TRAVERSE NAIL/CONTROL	—	BOUNDARY LINE
■	FOUND CONCRETE MONUMENT	—	CENTERLINE
⊗	FOUND IRON ROD & CAP LB6049	—	CONTOUR - 5' INTERVALS
⊗	FOUND IRON ROD & CAP LB6783	- - -	CONTOUR - 1' INTERVALS
⊗	BOLLARD	x x x	FENCE - CHAIN LINK
⊗	ELECTRIC BOX	o o o	FENCE - WOOD
⊗	FIRE HYDRANT	—	HANDRAIL
⊗	FLAG POLE (W/ PEDESTAL)	—	PROPERTY LINES
⊗	FOC POST	—	RIGHT OF WAY LINE
⊗	LIGHT POLE (W/ PEDESTAL)	—	SECTION LINE (APPROXIMATE)
⊗	MAILBOX	—	STORM DRAIN LINE
⊗	POWER POLE	—	WALL (BRICK OR CMU)
⊗	SANITARY SEWER MANHOLE SIGN	▨	ASPHALT PAVEMENT
⊗	SPOT ELEVATION	▨	CONCRETE PAVEMENT
⊗	STORM DRAIN INLET	▨	GRAVEL PAVEMENT
⊗	TELEPHONE PEDESTAL BOX	▨	RIP-RAP
⊗	VALVE - IRRIGATION		
⊗	VALVE - SEWER		
⊗	VALVE - WATER		
⊗	WATER METER		
⊗	WHEEL STOP		
⊗	WIRE PULL BOX		
⊗	ELECTRIC TRANSFORMER		

FLOOD ZONE INFORMATION

THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN **FLOOD ZONE A0**, [FLOOD DEPTHS OF 1 TO 3 FEET (USUALLY SHEET FLOE ON SLOPING TERRAIN); AVERAGE DEPTHS DETERMINED. FOR AREAS OF ALLUVIAL FAN FLOODING, VELOCITIES ALSO DETERMINED] AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP NUMBER **12033C0511G**, MAP REVISION DATED SEPTEMBER 29, 2006.

33-38-32-2000-000-000
 TITHEBET REC & PARKS & PERDIDO KEY STATE PRESERVE
 CO DEP
 3900 COMMONWEALTH BLVD
 TALLAHASSEE, FL 32399
 SITUS: 15301 PERDIDO KEY DR PENSACOLA FL 32507
 USE CODE: STATE OWNED - 8700

LEGAL DESCRIPTION

LEGAL DESCRIPTION OF THE LEASED PREMISES
 BCC MINUTES BOOK 125 PAGE 1747

BEGINNING AT THE SOUTHEAST CORNER OF PERDIDO KEY COVES, UNIT NO. 1, A SUBDIVISION OF A PORTION OF SECTION 32, TOWNSHIP 3 SOUTH, RANGE 32 WEST, ESCAMBIA COUNTY, FLORIDA, AS RECORDED IN PLAT BOOK 7 AT PAGE 26 OF THE PUBLIC RECORDS OF SAID COUNTY, SAID POINT ALSO BEING ON THE WESTERLY LINE OF SECTION 33, TOWNSHIP 3 SOUTH, RANGE 32 WEST, ESCAMBIA COUNTY, FLORIDA; THENCE RUN NORTH 77°07'54" WEST ALONG SAID WESTERLY LINE OF SECTION 33 FOR 300.00 FEET; THENCE RUN NORTH 77°07'54" EAST FOR 300.00 FEET; THENCE RUN SOUTH 00°05'21" EAST FOR 300.00 FEET TO THE NORTHERLY RIGHT-OF-WAY LINE OF S. R. 292 (100' R/W); THENCE RUN SOUTH 77°07'54" WEST ALONG SAID NORTHERLY RIGHT-OF-WAY LINE OF S. R. 292 FOR 300.00 FEET TO THE POINT OF BEGINNING, ALL LYING AND BEING IN SECTION 33, TOWNSHIP 3 SOUTH, RANGE 32 WEST, ESCAMBIA COUNTY, FLORIDA, AND CONTAINING 2.00 ACRES, MORE OR LESS.

NOTE:
 WIRING LOCATIONS SHOWN FOR PARKING AREA LIGHT FIXTURES ARE NOT FIELD VERIFIED. NO RECORD DRAWING EXIST FOR THE SITE. LOCATIONS SHOWN ARE BASED UPON THE PROPOSED LIGHTING PLAN FOR THE PARKING LOT LIGHTING ON SHEET E-101 IN THE APPENDIX AND EXISTING PARKING LOT LIGHTING. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF WIRING AS IT MAY BE IMPACTED BY THE INSTALLATION OF THE SHEET PILE WALL AND RELOCATE WIRING AS NEEDED. IF WIRING IS DAMAGED DURING SHEET PILE INSTALLATION, THE CONTRACTOR SHALL REPAIR AS NEEDED TO RESTORE LIGHTING.

LEGEND FOR E-101 SYMBOLISM (NOT FIELD VERIFIED)

—	BE	UNDERGROUND ELECTRIC LINE/CONDUIT
—	BE	UNDERGROUND ELECTRIC LINE/CONDUIT TO BREAKER BOX
⊗	EM	ELECTRIC METER
⊗	EP	ELECTRIC PANEL

T.B.M. #265/56
 COTTON GIN SPIKE SET IN NORTH FACE OF WOOD POWER POLE LOCATED 50± NORTH OF THE ¼ OF PERDIDO KEY DR. AND 250± EAST OF THE ¼ OF LAFITTE REEF RD. ELEVATION: 9.86

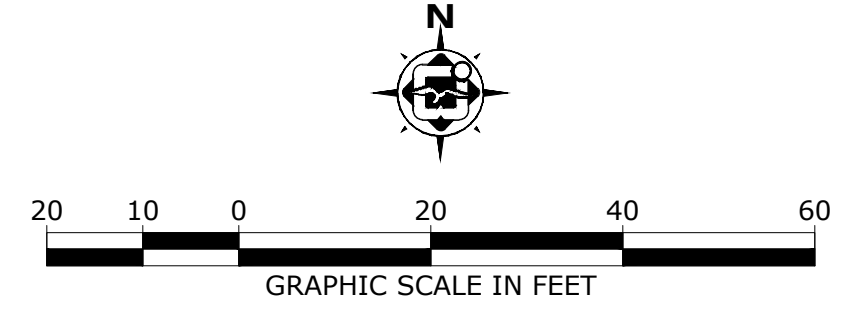
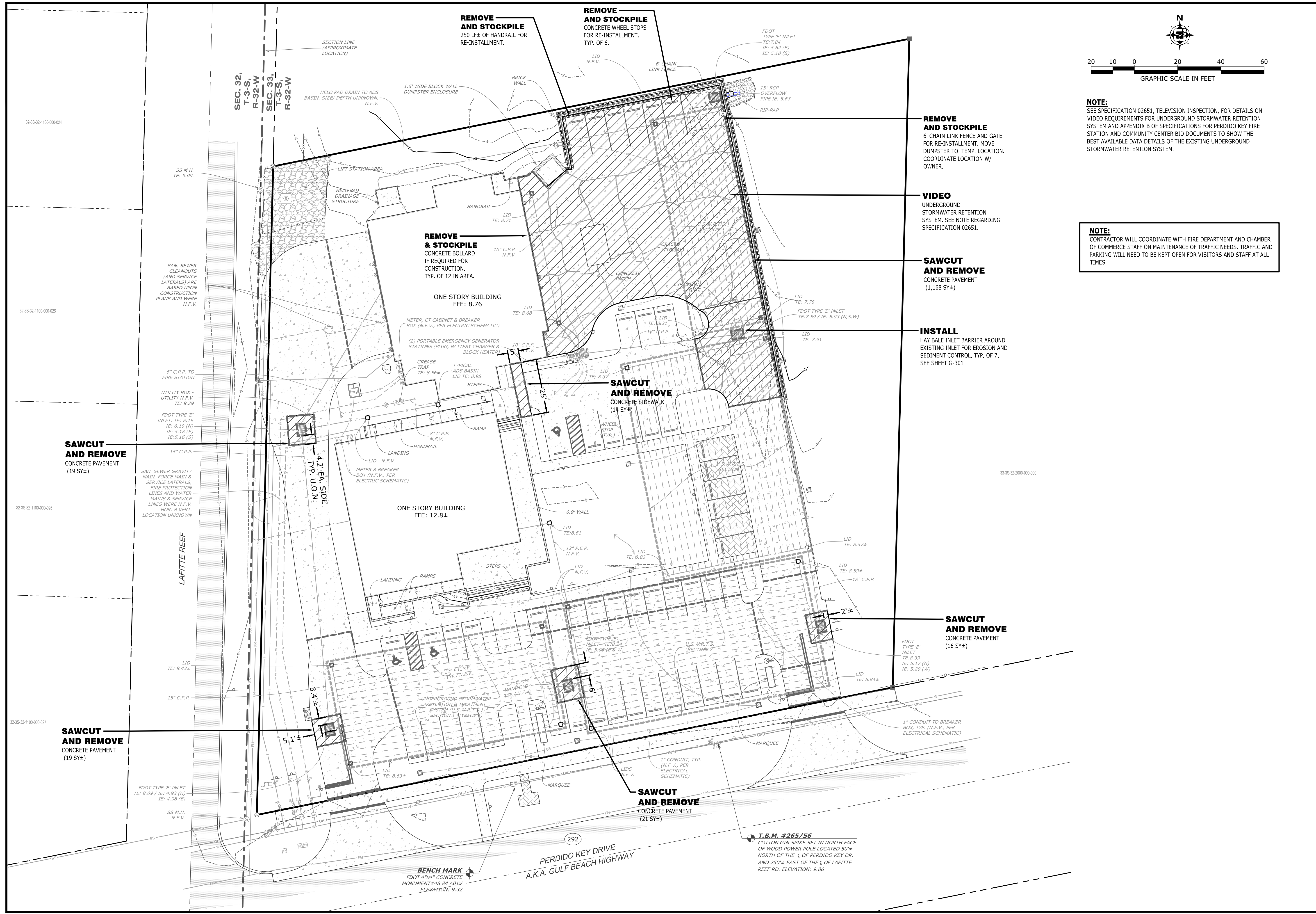
BENCH MARK
 FDOT 4"x4" CONCRETE MONUMENT #48 84 A01V
 ELEVATION: 9.32

PERDIDO KEY FIRE STATION PAVEMENT REPAIRS
EXISTING CONDITIONS
ESCAMBIA COUNTY, FLORIDA

FABRE ENGINEERING & SURVEYING
 ENGINEERS PLANNERS & SURVEYORS
 119 GREGORY SQUARE, PENSACOLA, FLORIDA 32502 TEL: 850 433 6438 FAX: 850 434 7842

DESIGNED BY: CECIL L. JENNIGAN, P.E.	CHECKED BY: FABRE, P.E.	DATE: 12/04/2019	PROJECT NUMBER: 190017
DRAWN BY: J.A. STONE	PROJECT MANAGER: GEORGE RISH	SECTION/TOWNSHIP/RANGE: SEC. 33, T. 3-S, R. 32-W	SHEET: 04 OF 13

H:\2019\190017 - Perdido Key Fire Station Pavement Repair\DWG\C-201.dwg, C-201, 12/4/2019 7:16:05 AM



NOTE:
SEE SPECIFICATION 02651, TELEVISION INSPECTION, FOR DETAILS ON VIDEO REQUIREMENTS FOR UNDERGROUND STORMWATER RETENTION SYSTEM AND APPENDIX B OF SPECIFICATIONS FOR PERDIDO KEY FIRE STATION AND COMMUNITY CENTER BID DOCUMENTS TO SHOW THE BEST AVAILABLE DATA DETAILS OF THE EXISTING UNDERGROUND STORMWATER RETENTION SYSTEM.

NOTE:
CONTRACTOR WILL COORDINATE WITH FIRE DEPARTMENT AND CHAMBER OF COMMERCE STAFF ON MAINTENANCE OF TRAFFIC NEEDS. TRAFFIC AND PARKING WILL NEED TO BE KEPT OPEN FOR VISITORS AND STAFF AT ALL TIMES

REMOVE AND STOCKPILE
6' CHAIN LINK FENCE AND GATE FOR RE-INSTALLMENT. MOVE DUMPSTER TO TEMP. LOCATION. COORDINATE LOCATION W/ OWNER.

VIDEO
UNDERGROUND STORMWATER RETENTION SYSTEM. SEE NOTE REGARDING SPECIFICATION 02651.

SAWCUT AND REMOVE
CONCRETE PAVEMENT (1,168 SY±)

INSTALL
HAY BALE INLET BARRIER AROUND EXISTING INLET FOR EROSION AND SEDIMENT CONTROL. TYP. OF 7. SEE SHEET G-301

SAWCUT AND REMOVE
CONCRETE PAVEMENT (16 SY±)

SAWCUT AND REMOVE
CONCRETE PAVEMENT (21 SY±)

REMOVE & STOCKPILE
CONCRETE BOLLARD IF REQUIRED FOR CONSTRUCTION TYP. OF 12 IN AREA.

REMOVE AND STOCKPILE
CONCRETE WHEEL STOPS FOR RE-INSTALLMENT. TYP. OF 6.

REMOVE AND STOCKPILE
250 LF± OF HANDRAIL FOR RE-INSTALLMENT.

SAWCUT AND REMOVE
CONCRETE SIDEWALK (14 SY±)

SAWCUT AND REMOVE
CONCRETE PAVEMENT (19 SY±)

SAWCUT AND REMOVE
CONCRETE PAVEMENT (19 SY±)

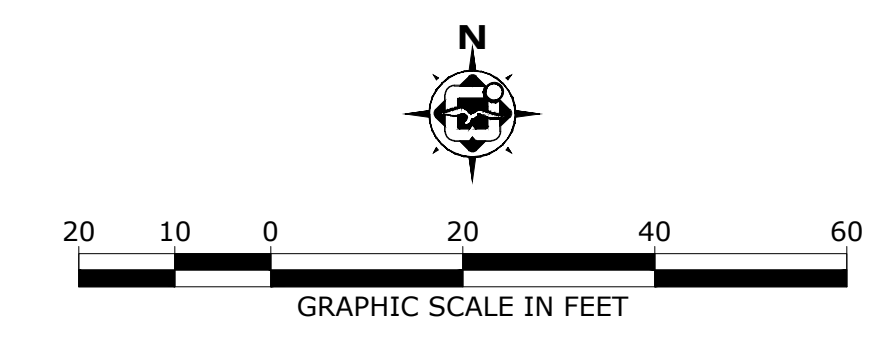
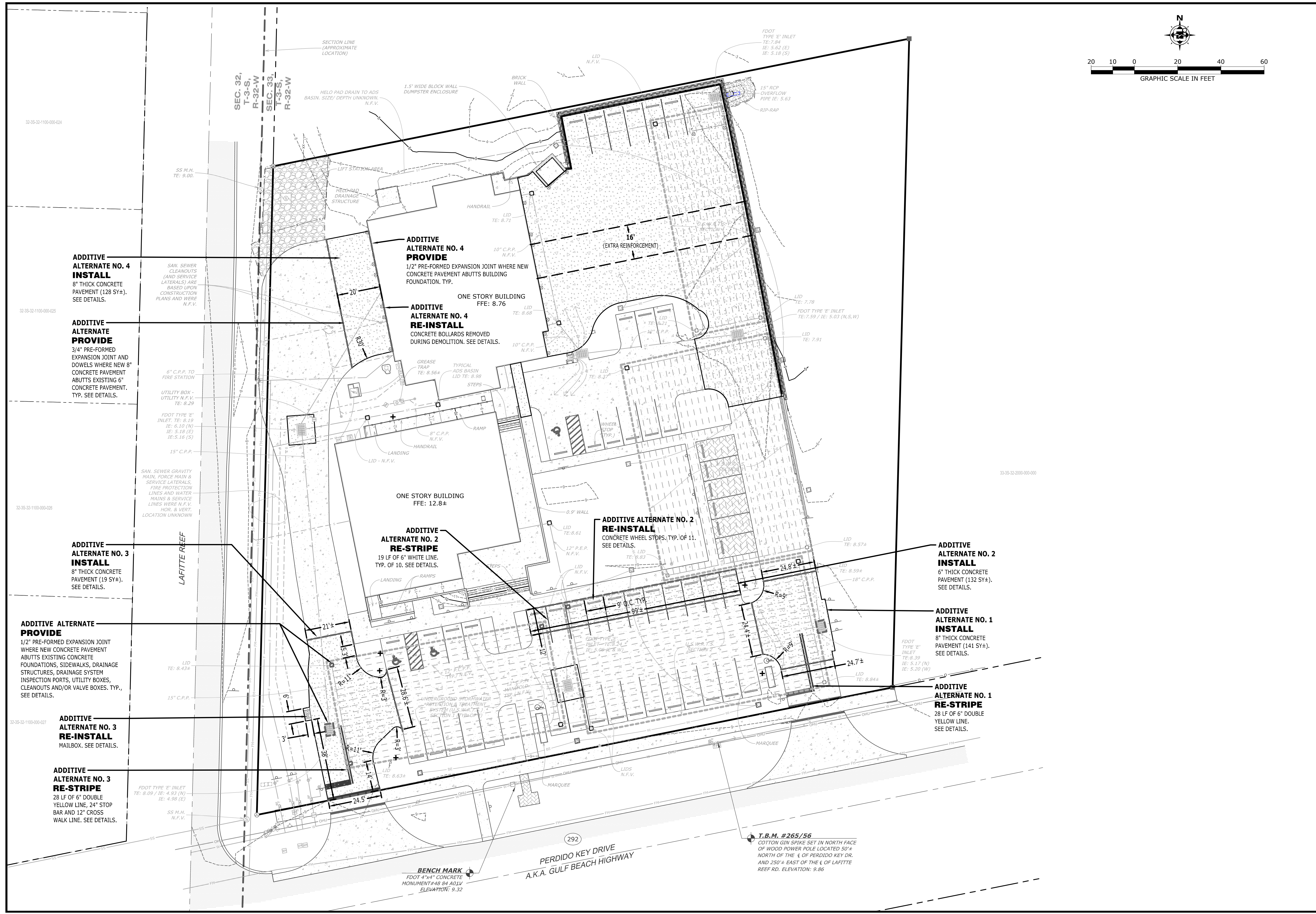
**PERDIDO KEY FIRE STATION
PAVEMENT REPAIRS
BASE BID
DEMOLITION PLAN
ESCAMBIA COUNTY, FLORIDA**



FABRE ENGINEERING, INC. DBA FABRE ENGINEERING & SURVEYING PLANNERS & SURVEYORS	
119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL: 850.433.6438 FAX: 850.434.7842	DATE: 12/05/2019
DRAWN BY: J.A. STONE	CHECKED BY: FRANK J. FABRE, P.E.
DATE: 12/05/2019	PROJECT MANAGER: GEORGE RUSH
DRAWING NUMBER: C-201	SECTION/TOWNSHIP/RANGE: SEC. 33, T-3-S, R-33-W
FIELDBOOK PAGES: 2	SIGNATURE: 34272

APPROVALS:	DATE:
REVISIONS:	
DRAWING NUMBER: C-201	PROJECT NUMBER: 190017
SURVEY NUMBER: --	
SHEET 05 OF 13	

H:\2019\190017 - Perdido Key Fire Station Pavement Repair\DWG\C-190017.dwg, C-302, 12/4/2019 7:16:15 AM

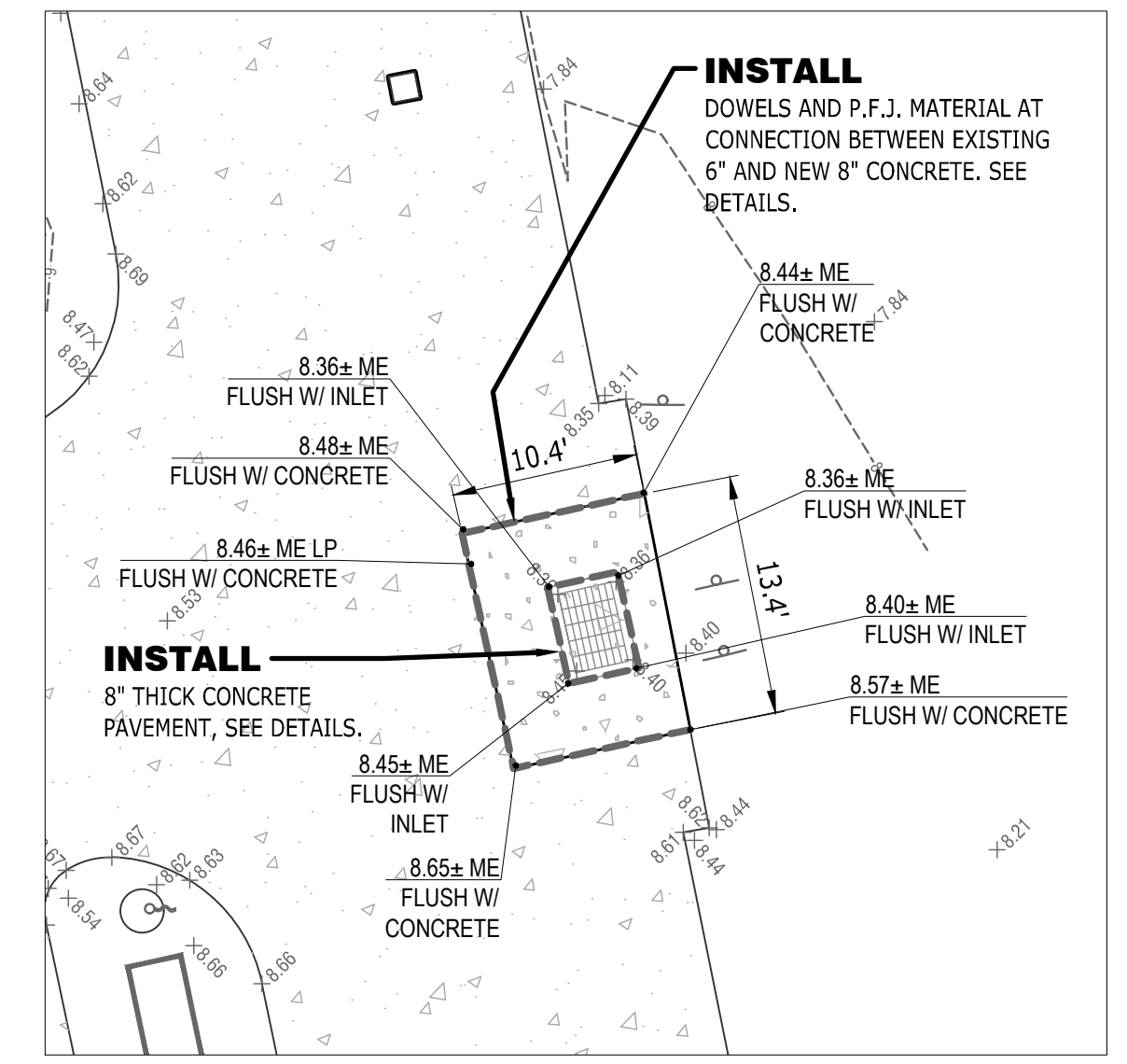
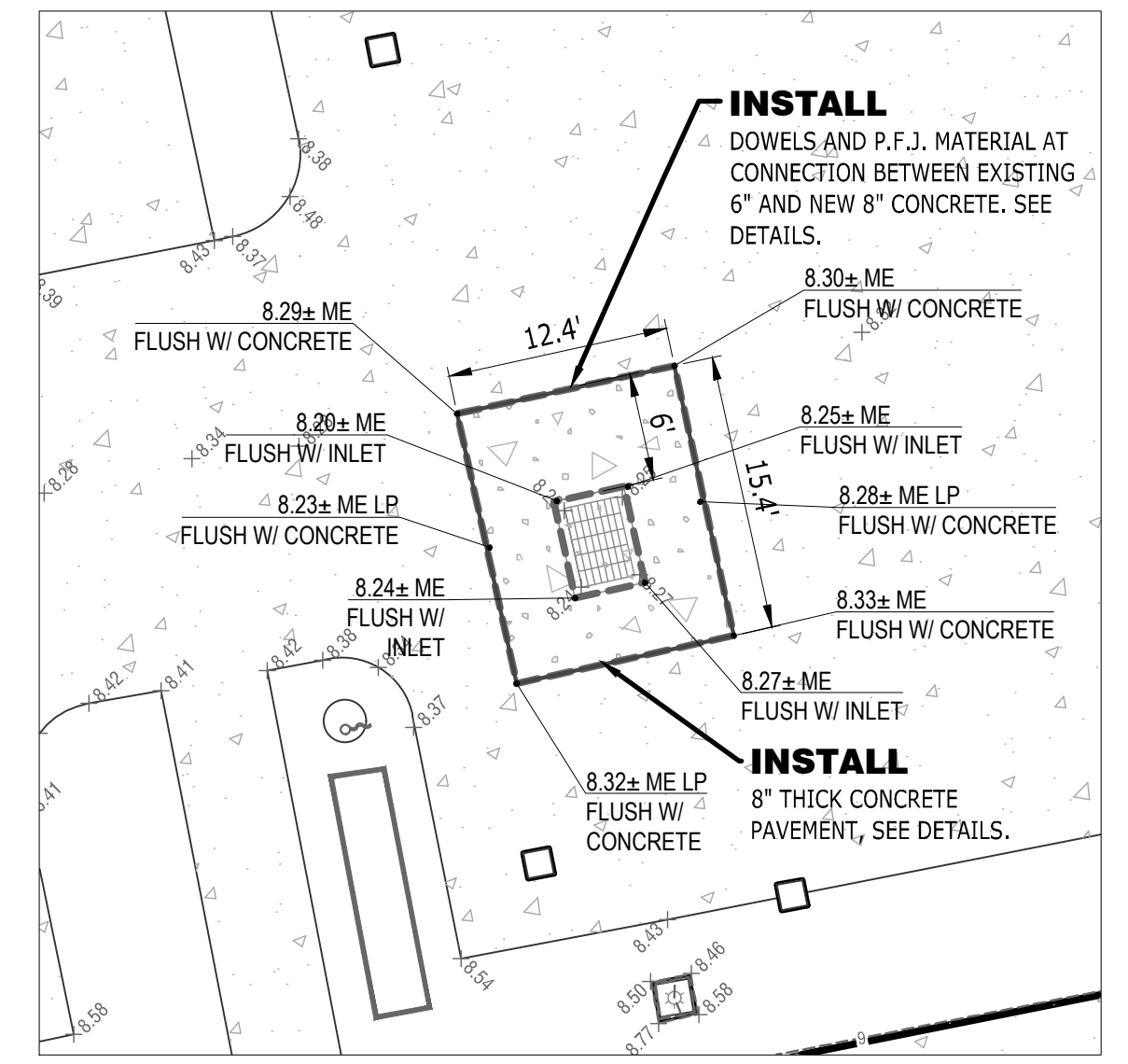
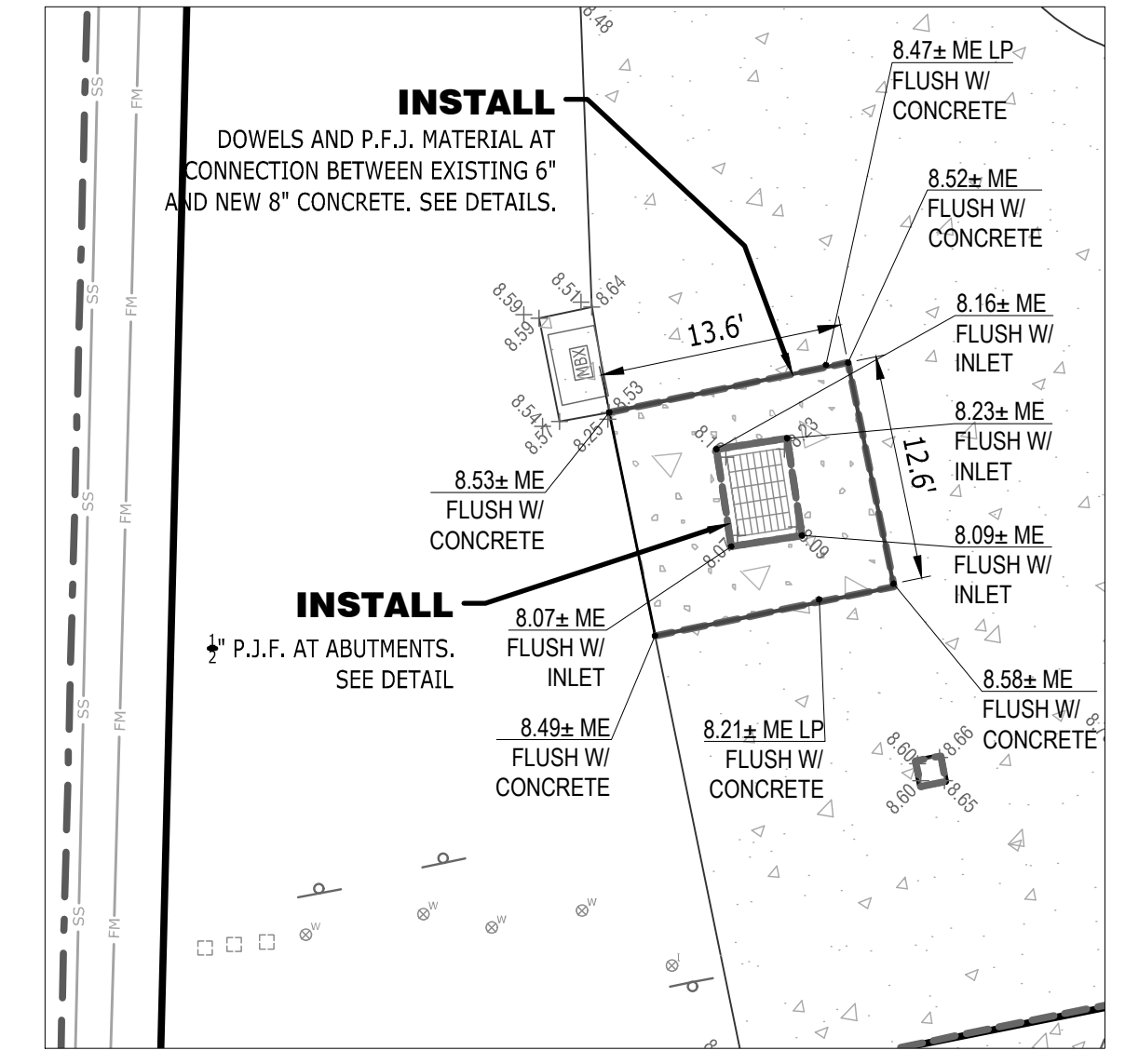
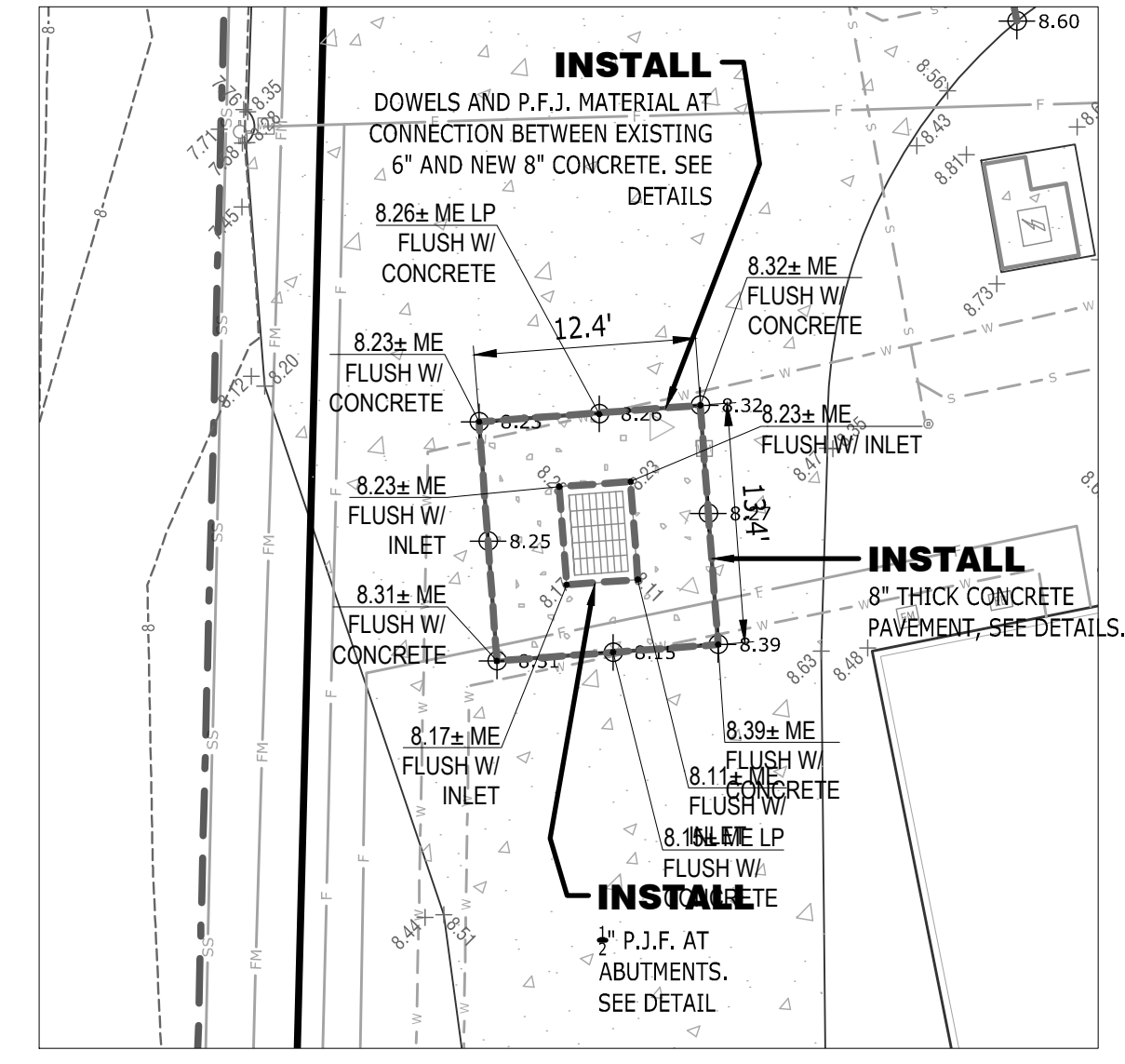
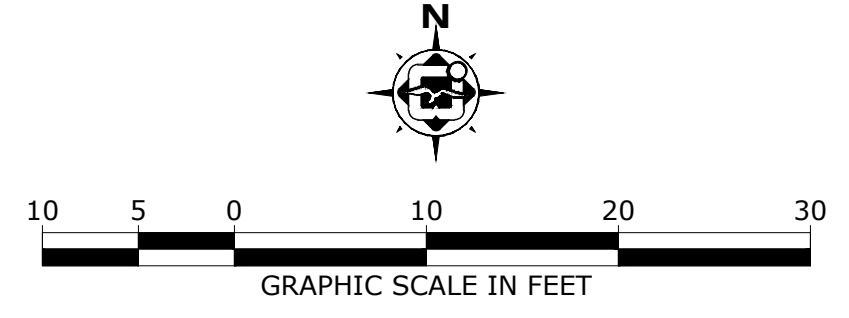
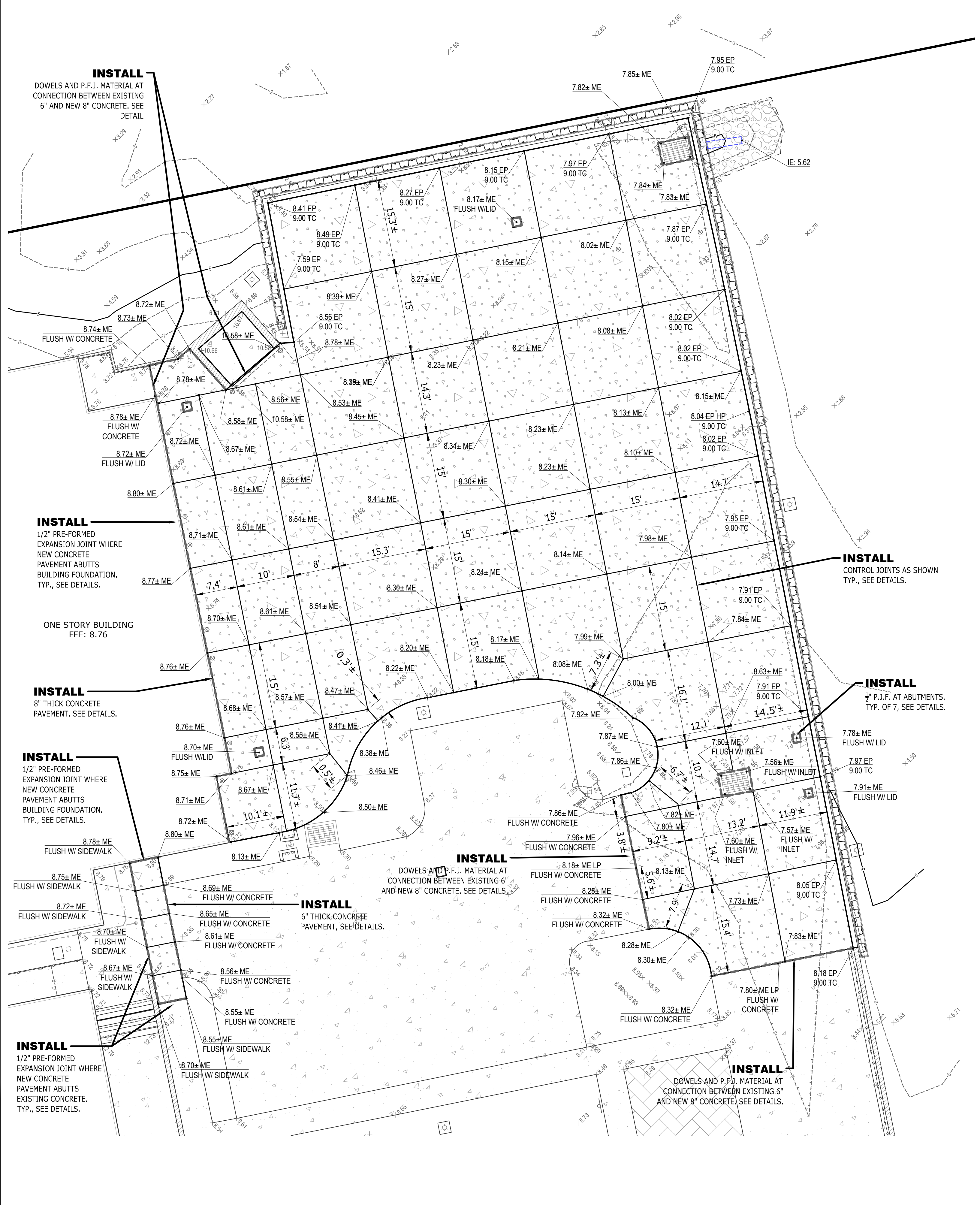


**PERDIDO KEY FIRE STATION
PAVEMENT REPAIRS
ADDITIVE ALTERNATE BIDS
SITE IMPROVEMENTS PLAN
ESCAMBIA COUNTY, FLORIDA**

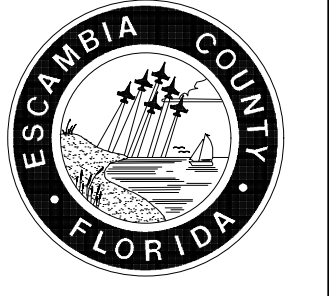
FABRE ENGINEERING & SURVEYING	PLANNERS & SURVEYORS		
119 GREGORY SQUARE, PENSACOLA, FLORIDA 32502	TEL: 850.433.6438 FAX: 850.434.7842	DATE:	
DRAWN BY: J.A. STONE	CHECKED BY: CECIL L. JENNINGS, P.E.	PROJECT NO.:	34272
DATE: 12/05/2019	PROJECT MANAGER: GEORGE BISH	INSTRUMENT:	
DRAWING NUMBER: C-302	SECTION/TOWNSHIP/RANGE:	SHEET:	

DRAWING NUMBER	C-302
PROJECT NUMBER	190017
SURVEY NUMBER	--
SHEET	08 OF 13

H:\2019\190017 - Perdido Key Fire Station Pavement Repair.DWG, C-401, 12/4/2019 7:16:20 AM



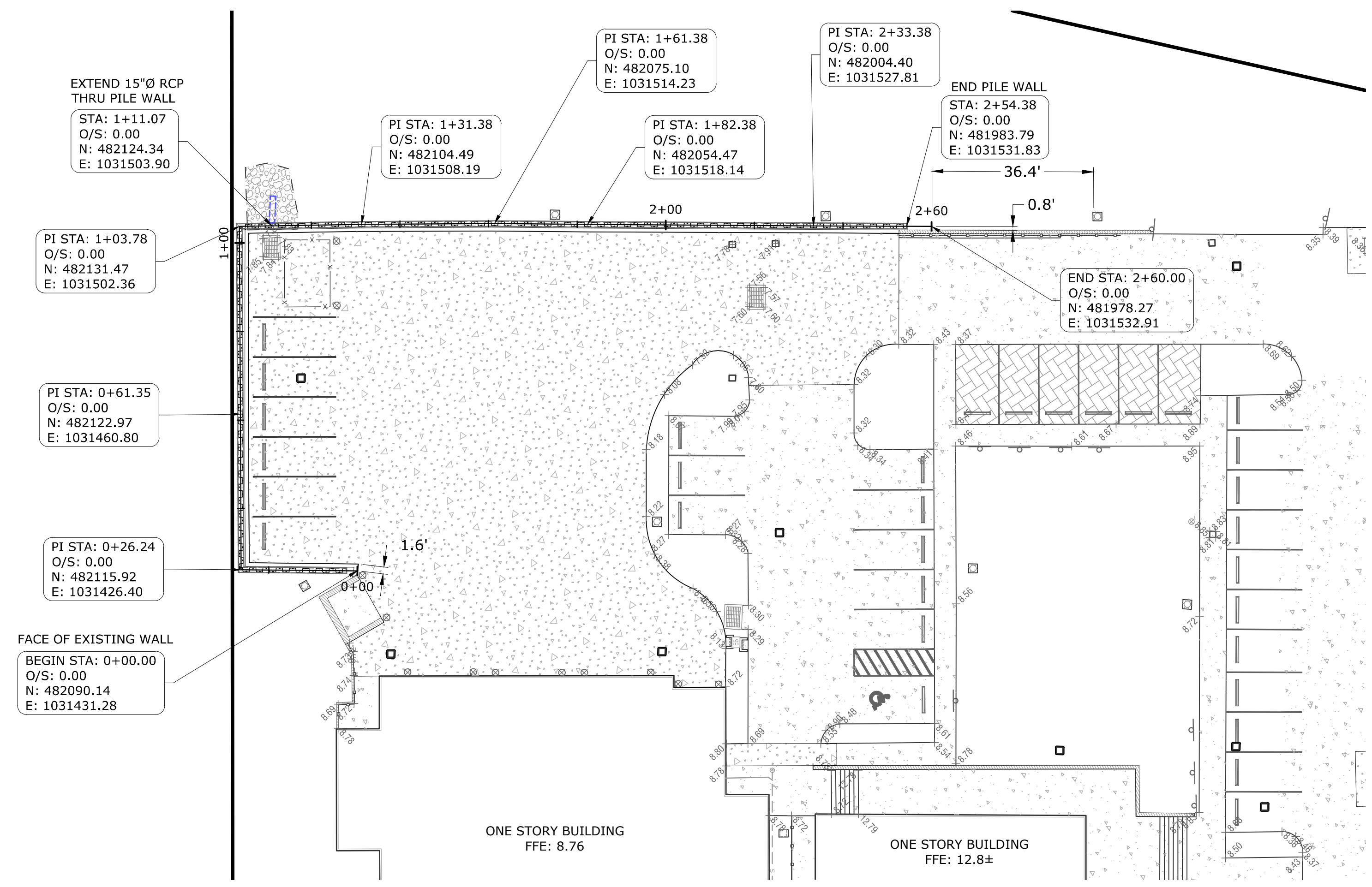
**PERDIDO KEY FIRE STATION
PAVEMENT REPAIRS
BASE BID
PAVEMENT REPLACEMENT PLAN
ESCAMBIA COUNTY, FLORIDA**



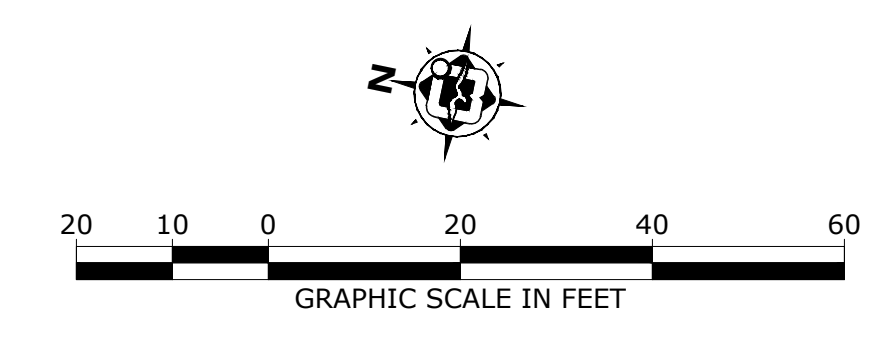
FABRE ENGINEERING & SURVEYING INC. DBA		DATE
ENGINEERS PLANNERS & SURVEYORS		3/4/2019
119 GREGORY SQUARE, PENSACOLA, FLORIDA 32502	TEL: 850.433.6438 FAX: 850.434.7842	
DRAWN BY: J.A. STONE	CHECKED BY: PRAKASH P. P. P.	SECTION/WORKSHEET: SEC. 33, T-3S, R-33-W
DATE: 12/04/2019	PROJECT MANAGER: GEORGE BISH	INSTRUMENT: 2
		SIGNATURE:

APPROVALS	DATE
REVISIONS	
NUMBER	
DRAWING NUMBER	C-401
PROJECT NUMBER	190017
SURVEY NUMBER	--
SHEET	09 OF 13

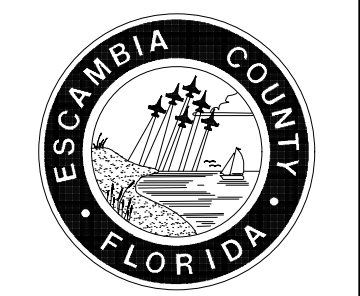
H:\2019\190017 - Perdido Key Fire Station Pavement Repair\DWG\C-190017.dwg, C-501, 12/4/2019 7:16:35 AM



NOTE:
 CONTRACTOR TO LOCATE ALL ELECTRICAL CONDUITS WHICH MAY BE CROSSING PROPOSED SHEET PILE WALL PRIOR TO CONSTRUCTION. ANY CONDUITS FOUND TO BE CROSSING WALL SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION



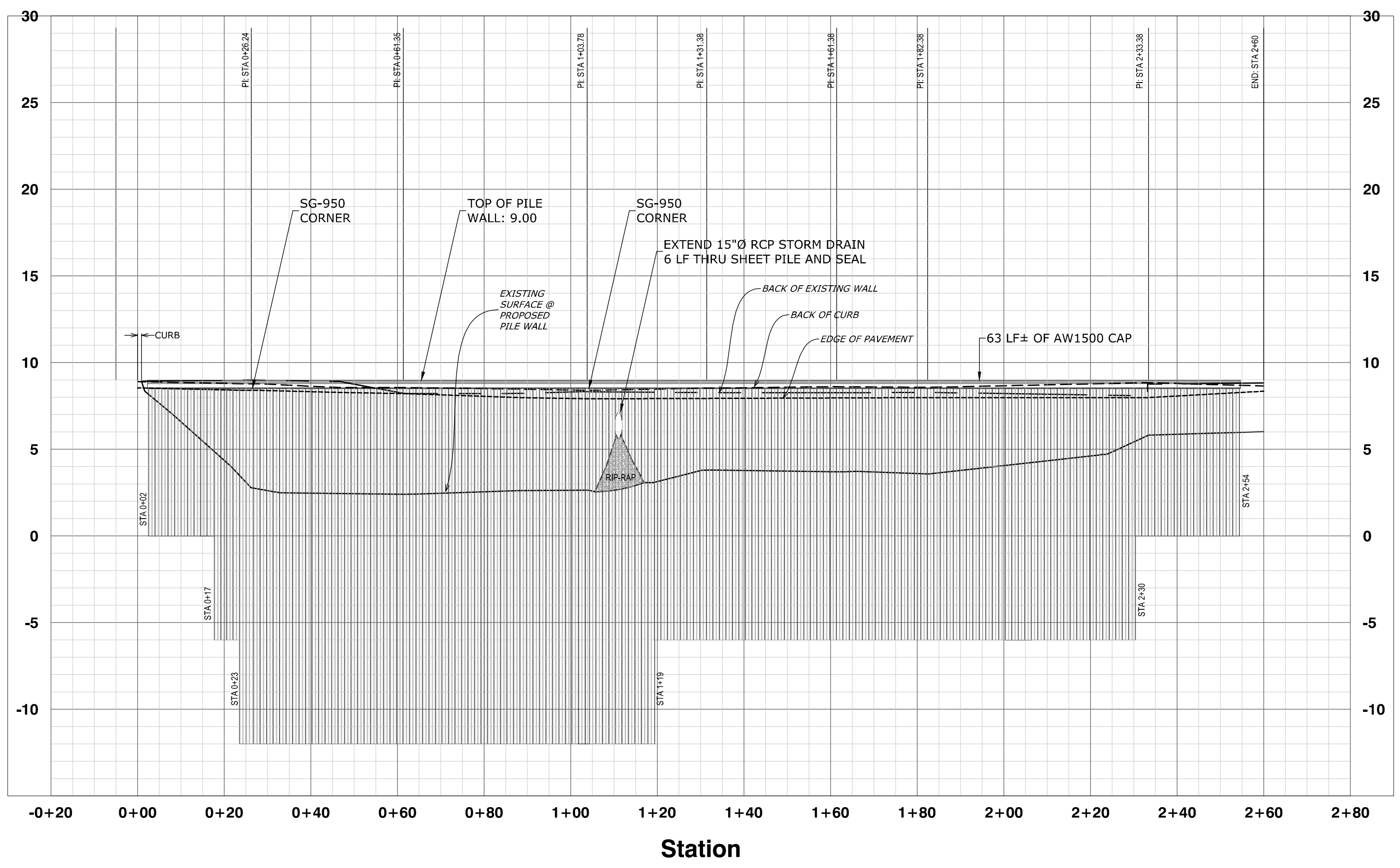
**PERDIDO KEY FIRE STATION
 PAVEMENT REPAIRS
 SHEET PILE WALL
 PLAN AND PROFILE
 ESCAMBIA COUNTY, FLORIDA**



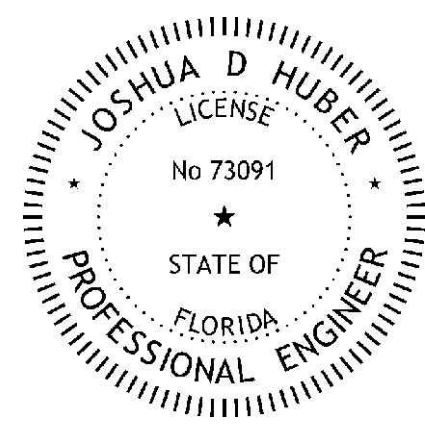
FABRE ENGINEERING & SURVEYING
 ENGINEERS PLANNERS SURVEYORS
 119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL: 850.433.6438 FAX: 850.434.7842
 FRANKY D. FABRE, P.E. PROJECT MANAGER
 J.A. STONE DATE: 12/4/2019 FIELDBOOK PAGES: 2

REVISIONS	DATE	APPROVAL

DRAWING NUMBER: **C-501**
 PROJECT NUMBER: **190017**
 SURVEY NUMBER: --
 SHEET **11** OF **13**

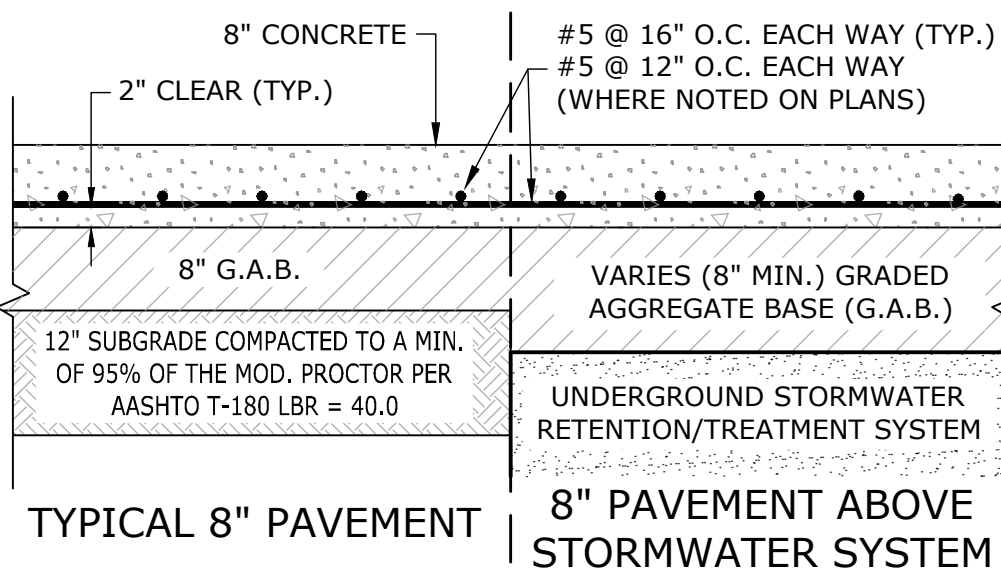


PILING		
SEGMENT	PILING	LENGTH
STA 0+02 TO 0+17	SG 225	9'
STA 0+17 TO 20+23	SG 625	15'
STA 0+23 TO 1+19	SG 950	21'
STA 1+19 TO 2+30	SG 625	15'
STA 2+30 TO 2+54	SG 225	9'



NOTE

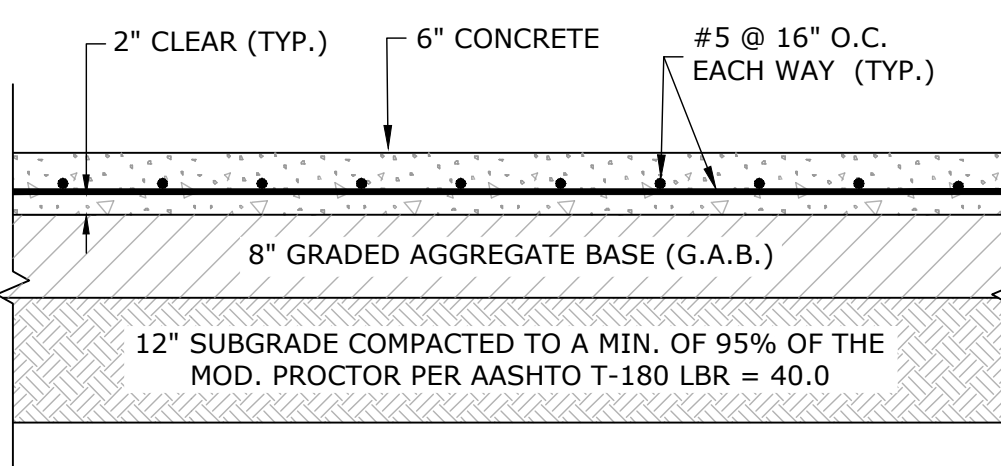
- SEE CONTROL JOINT DETAIL FOR CONTROL JOINT REQUIREMENTS.
- SEE SITE PLAN FOR AREA REQUIRING #5 @ 12" O.C. EACH WAY REINFORCEMENT.



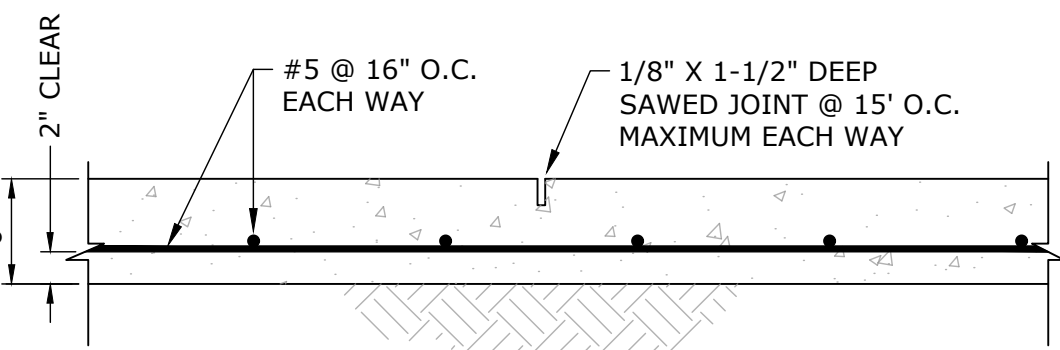
8" CONCRETE PAVING SECTION
NOT TO SCALE

NOTE

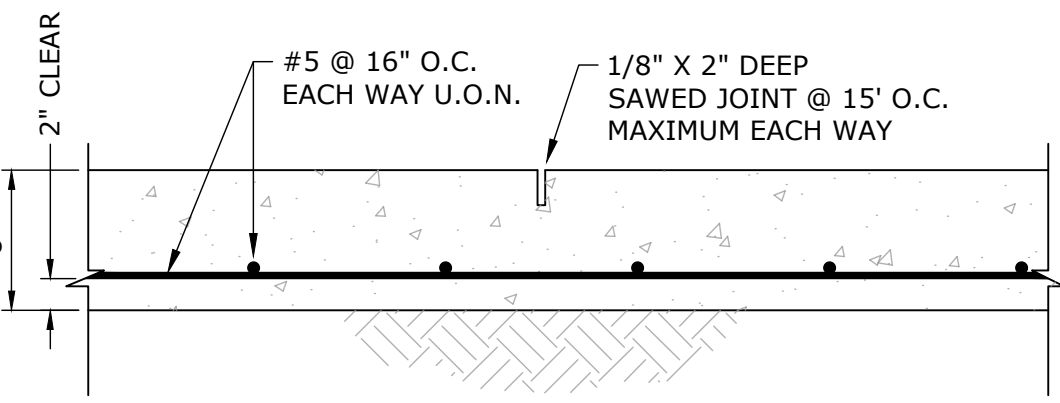
- SEE CONTROL JOINT DETAIL FOR CONTROL JOINT REQUIREMENTS.



6" CONCRETE PAVING SECTION
NOT TO SCALE

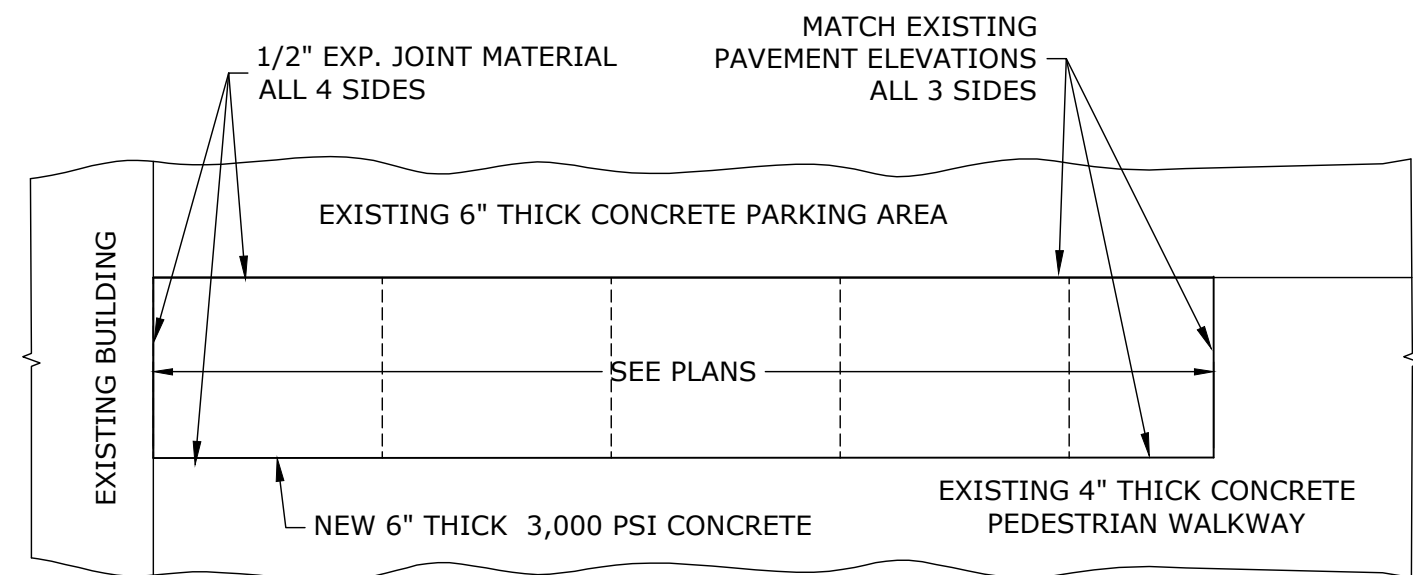


6" CONCRETE

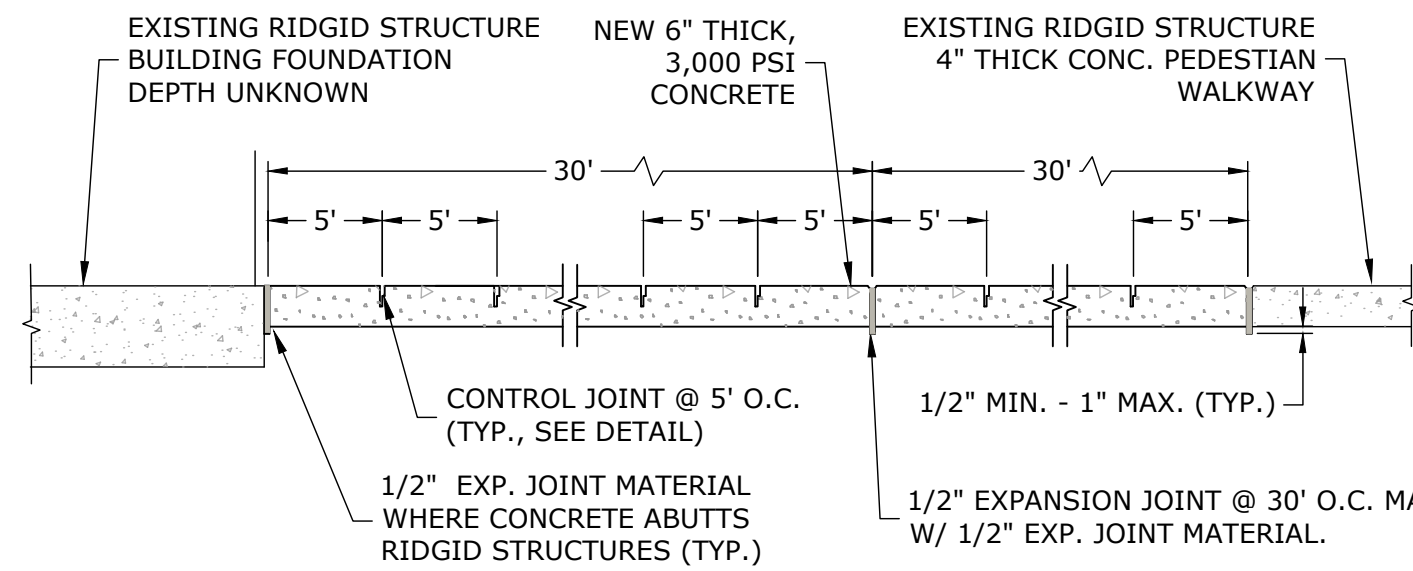


8" CONCRETE

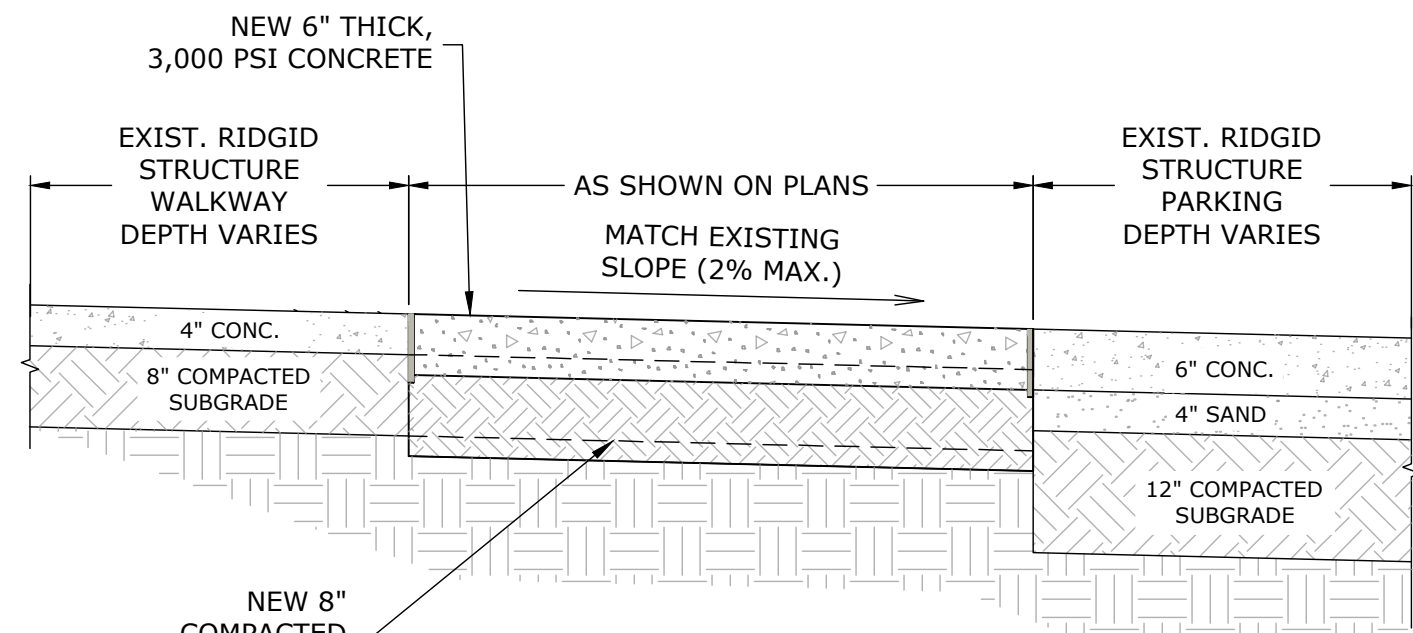
TYP. CONTROL JOINT DETAILS
NOT TO SCALE



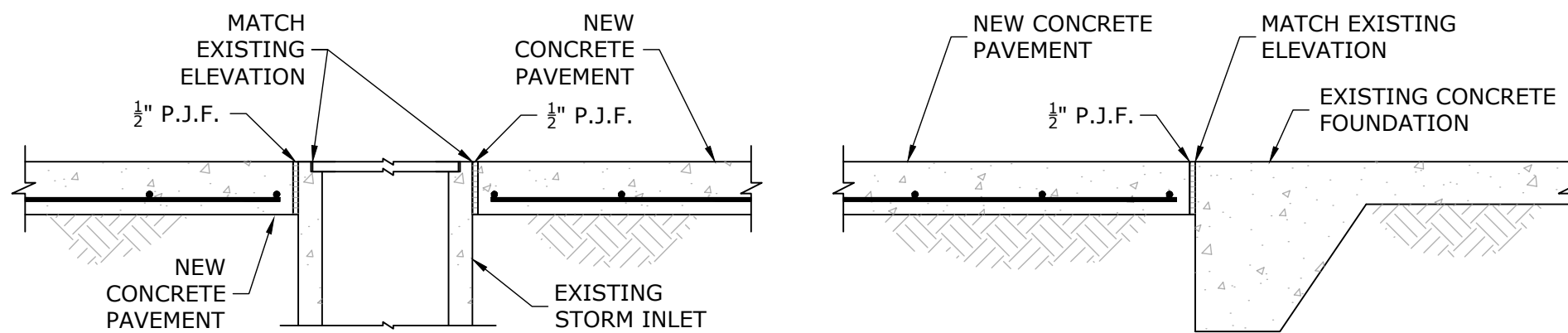
PLAN VIEW



LONGITUDINAL SECTION

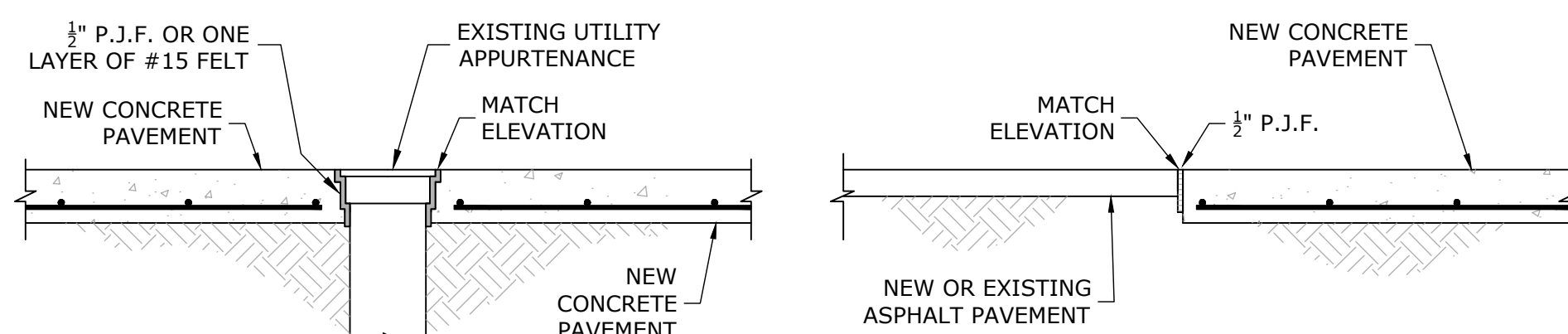


SIDEWALK REPLACEMENT DETAIL
NOT TO SCALE



AT EXISTING STORM INLETS

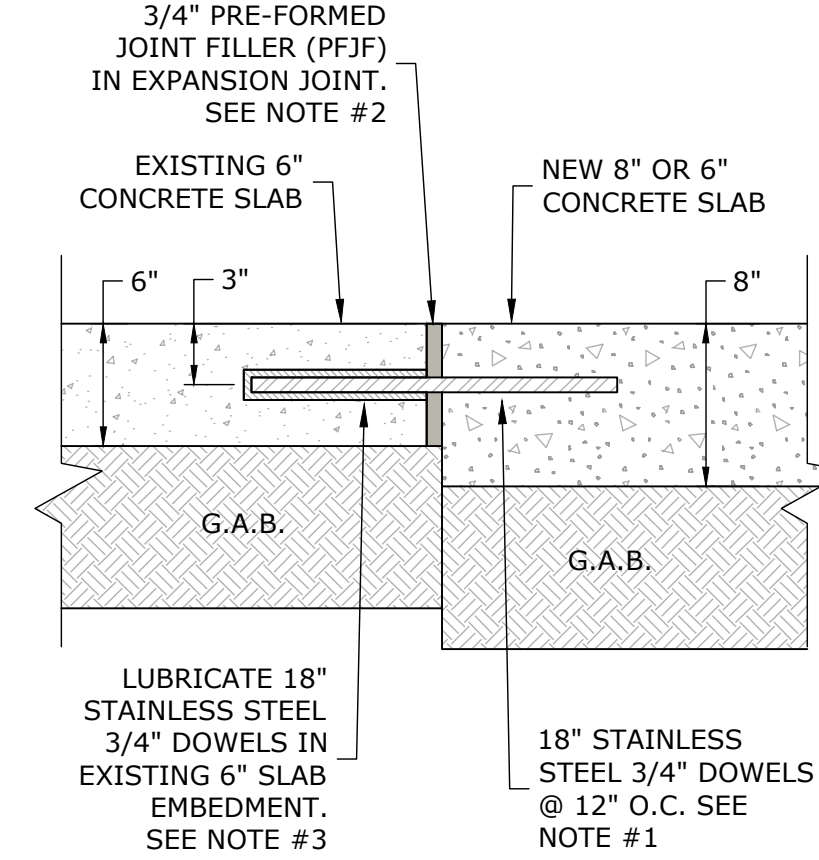
AT EXISTING CONCRETE FOUNDATIONS



AT EXISTING UTILITY APPURTENANCES

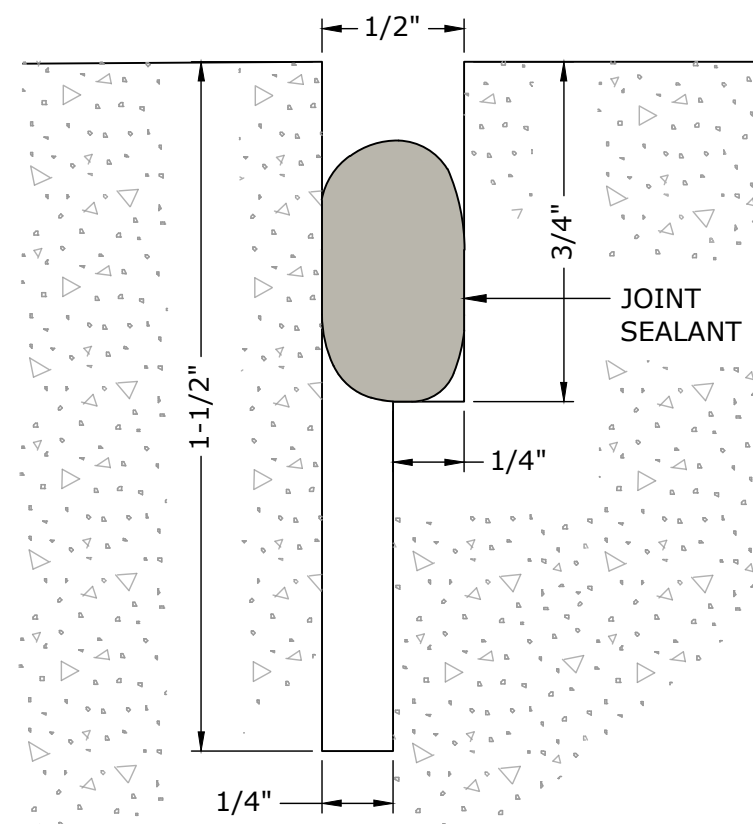
AT SIDEWALKS

TYP. PREFABRICATED JOINT FILLER (P.J.F.) AT CONCRETE ABUTMENT DETAILS
NOT TO SCALE

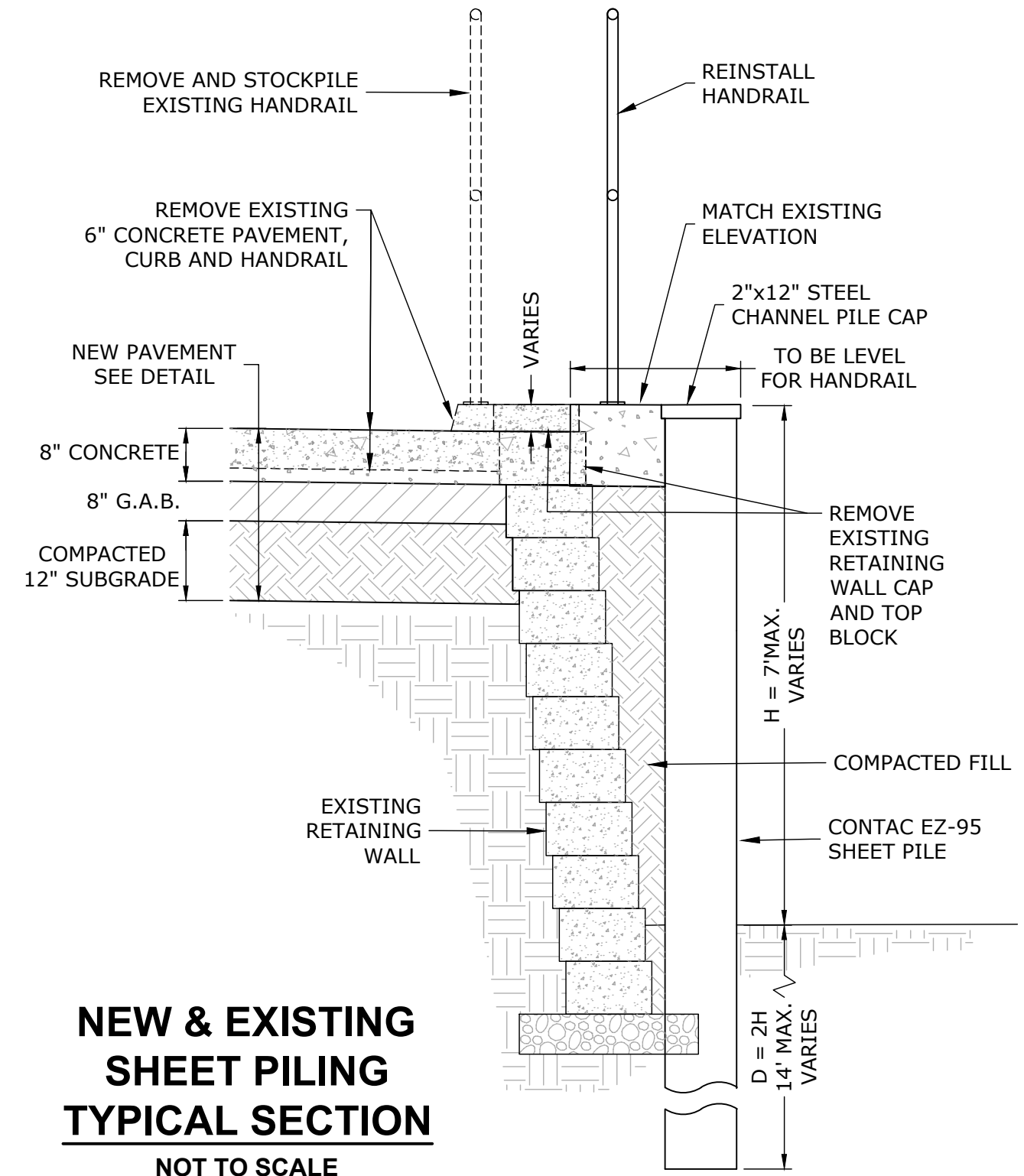


NEW AND EXISTING CONCRETE PAVING CONNECTION SECTION
NOT TO SCALE

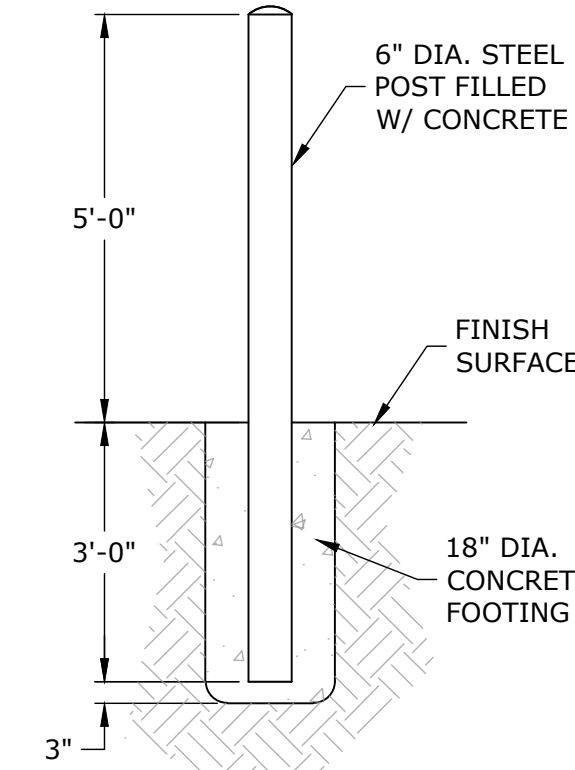
- NOTES:**
- COAT AND LUBRICATE STEEL DOWEL BARS IN ACCORDANCE WITH FOOT SPECIFICATIONS, SECTION 350.
 - PUNCH CLEAN HOLES IN PREFORMED JOINT FILLER GREATER THAN BAR DIAMETER.
 - DRILL CLEAN HOLES IN EXISTING CONCRETE GREATER THAN BAR DIAMETER AS RECOMMENDED BY LUBRICANT SUPPLIER.



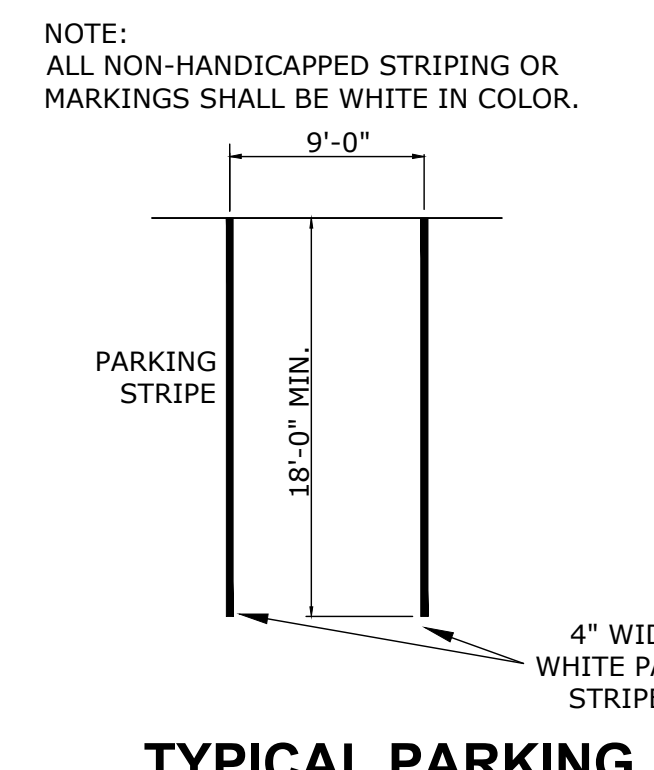
CONTRACTION JOINT REPAIR FOR EXISTING 6" THICK SLAB
NOT TO SCALE



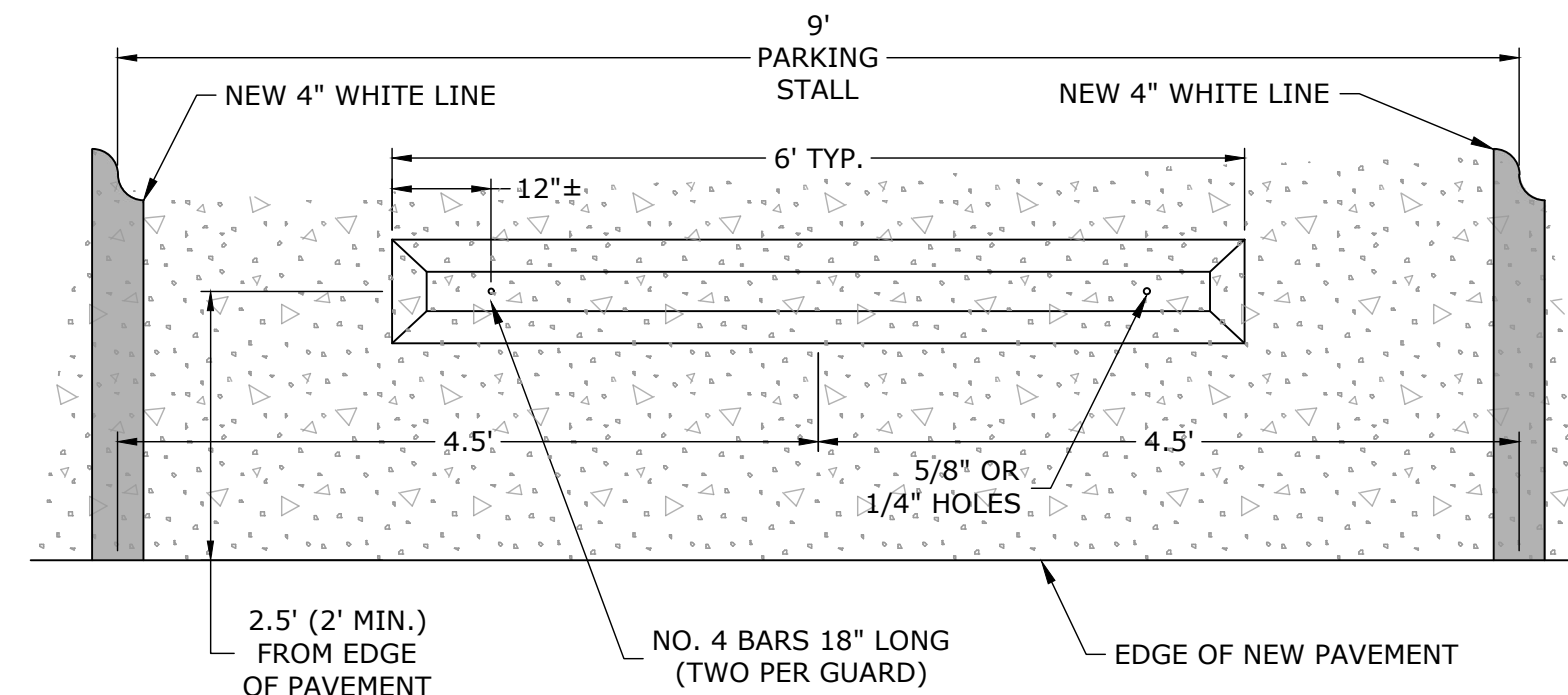
NEW & EXISTING SHEET PILING TYPICAL SECTION
NOT TO SCALE



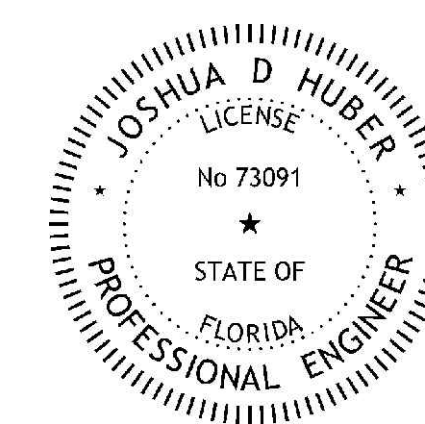
BOLLARD DETAIL
NOT TO SCALE



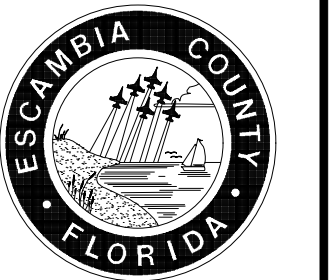
TYPICAL PARKING SPACE STRIPING DETAIL
NOT TO SCALE



CONCRETE BUMPER GUARD REINSTALLATION DETAIL
NOT TO SCALE

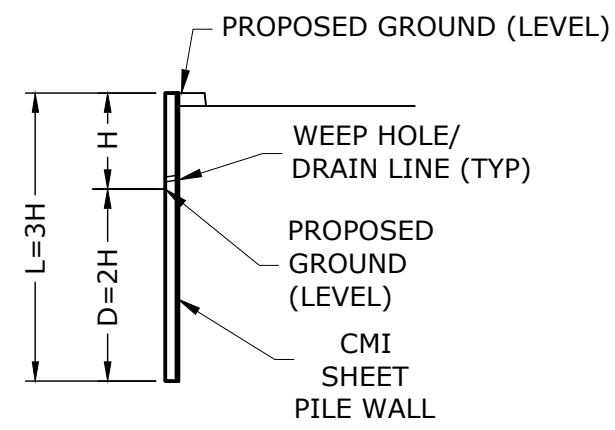


**PERDIDO KEY FIRE STATION
PAVEMENT REPAIRS
PROJECT DETAILS
ESCAMBIA COUNTY, FLORIDA**

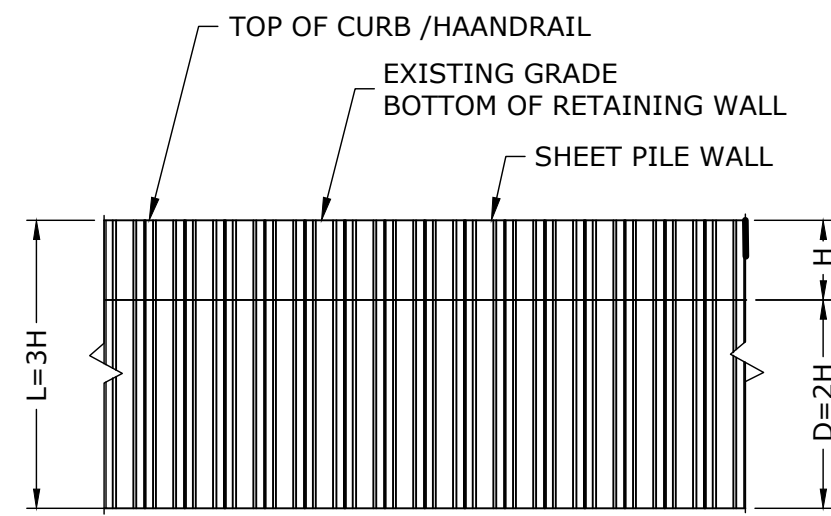


FABRE ENGINEERING & SURVEYING	
ENGINEERS	PLANNERS
119 GREGORY SQUARE, PENSACOLA, FLORIDA 32502 TEL: 850 433 6438 FAX: 850 434 7842	
DRAWN BY: J.A. STONE	CHECKED BY: FRANK J. FABRE, P.E.
DATE: 12-03-2019	DISTRICT: 2
PROJECT MANAGER: GEORGE BISH	SECTION/TOWNSHIP/RANGE: SEC. 33, T. 28N, R. 63W
REG. P.A. ENG. NO. 73091	SIGNATURE:

DATE	APPROVED BY
REVISIONS	
NUMBER	
DRAWING NUMBER	D-101
PROJECT NUMBER	190017
SURVEY NUMBER	
SHEET	12 OF 13



SECTION VIEW



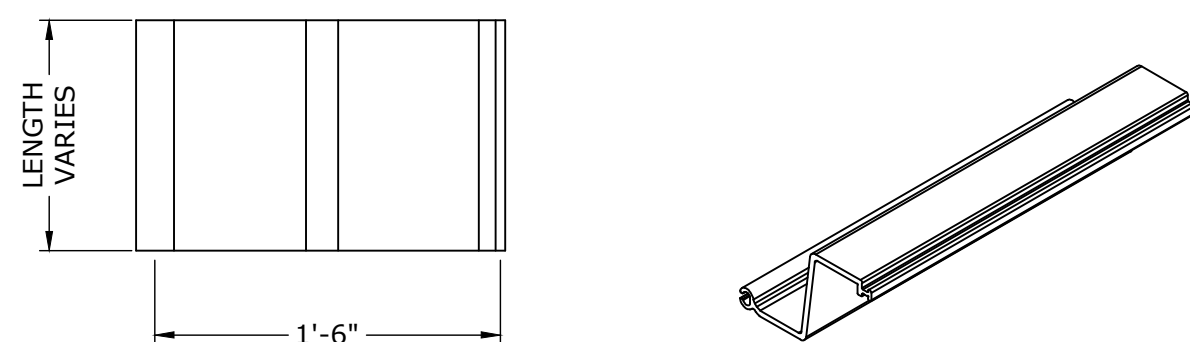
ELEVATION VIEW



PLAN VIEW

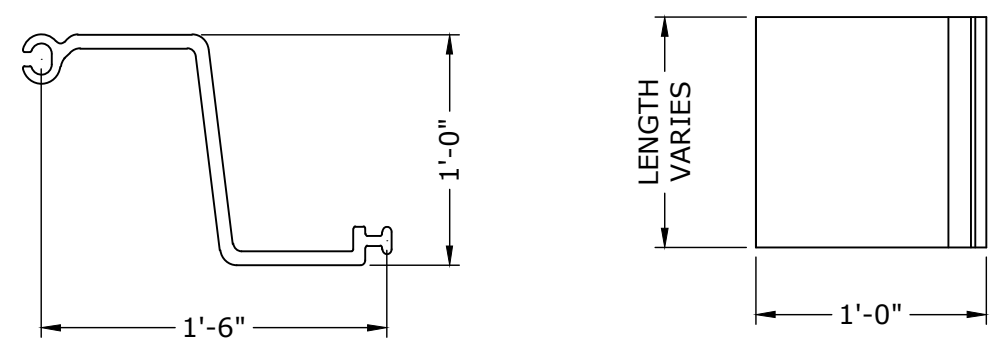
SHEET PILE WALL DETAIL

NOT TO SCALE



SG-950 PROFILE VIEW

SG-950 ISOMETRIC VIEW



SG-950 PLAN VIEW

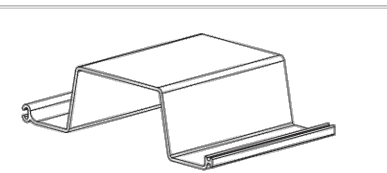
SG-950 SECTION VIEW

SHEET PILE DETAILS

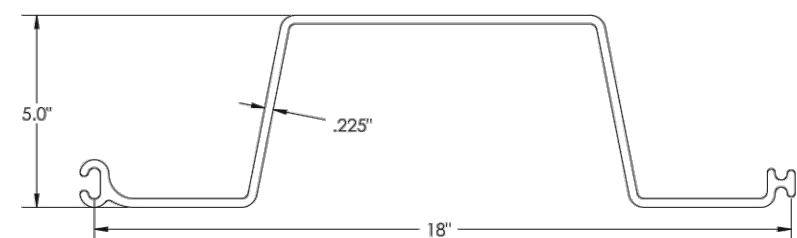
NOT TO SCALE



SG-225



Allowable Moment (M)	1,920 ft-lb/ft	8.54 kN-m/m
Section Modulus (Z)	7.2 in ³ /ft	387 cm ³ /m
Moment of Inertia (I)	18 in ⁴ /ft	2,458 cm ⁴ /m
Impact Strength	11,000 in-lb/ft ²	1,925 N-mm/mm ²
Thickness (t)	0.225 in	5.7 mm
Section Depth	5.0 in	127 mm
Section Width	18 in	457 mm
Material	Weatherable Rigid Vinyl	
Standard Colors	Grey, Clay	
Technology	Box Profile, I-Beam Lock, XCR™	
Standard Packaging	15 sheets/bundle	



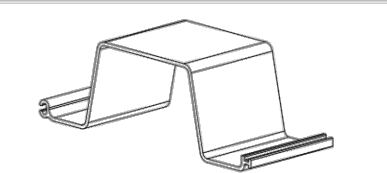
PILES TO BE SG-225 OR APPROVED EQUAL

Visit cmilc.com/legal for more information on referenced trademarks and patents owned by CMI Limited Co.

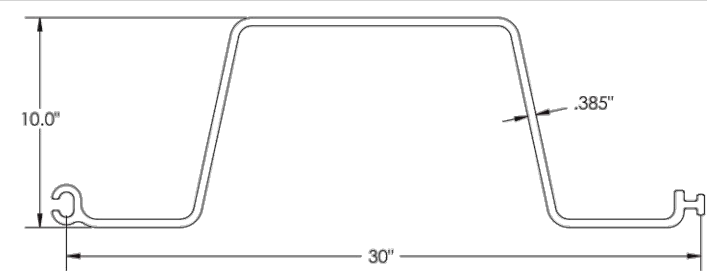
cmilc.com



SG-625



Allowable Moment (M)	6,507 ft-lb/ft	28.94 kN-m/m
Section Modulus (Z)	24.4 in ³ /ft	1,312 cm ³ /m
Moment of Inertia (I)	122 in ⁴ /ft	16,660 cm ⁴ /m
Impact Strength	15,000 in-lb/ft ²	2,625 N-mm/mm ²
Thickness (t)	0.385 in	9.8 mm
Section Depth	10.0 in	254 mm
Section Width	30 in	762 mm
Material	Weatherable Rigid Vinyl	
Standard Colors	Grey, Clay	
Technology	Box Profile, I-Beam Lock, XCR™	
Standard Packaging	6 sheets/bundle	



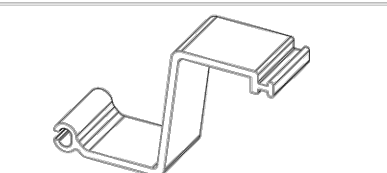
PILES TO BE SG-625 OR APPROVED EQUAL

Visit cmilc.com/legal for more information on referenced trademarks and patents owned by CMI Limited Co.

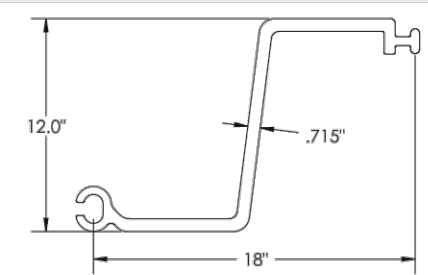
cmilc.com



SG-950



Allowable Moment (M)	15,147 ft-lb/ft	67.37 kN-m/m
Section Modulus (Z)	56.8 in ³ /ft	3,054 cm ³ /m
Moment of Inertia (I)	341 in ⁴ /ft	46,567 cm ⁴ /m
Impact Strength	17,500 in-lb/ft ²	3,063 N-mm/mm ²
Thickness (t)	0.715 in	18.1 mm
Section Depth	12 in	305 mm
Section Width	18 in	457 mm
Material	Weatherable Rigid Vinyl	
Standard Colors	Grey, Clay	
Technology	Z Profile, I-Beam Lock, XCR™	
Standard Packaging	4 sheets/bundle	



PILES TO BE SG-950 OR APPROVED EQUAL

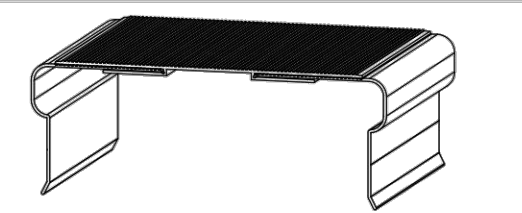
Visit cmilc.com/legal for more information on referenced trademarks and patents owned by CMI Limited Co.

cmilc.com

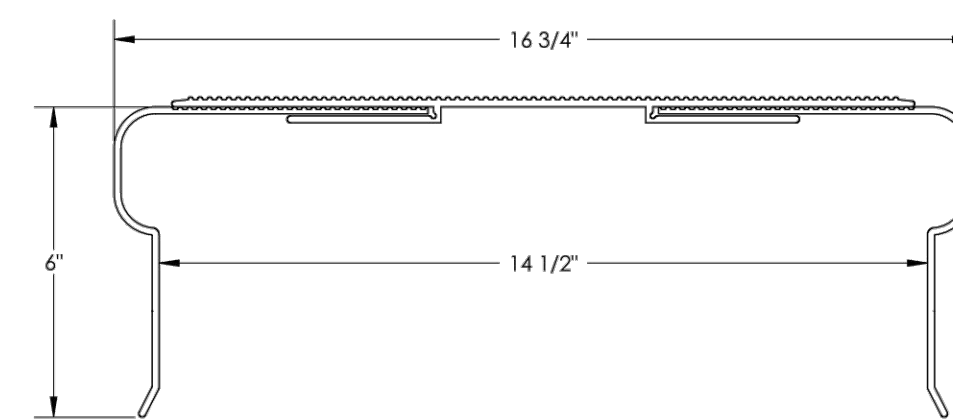


Updated: January 30, 2019

AW-1500 Cap



Outside Width	16.75 in	425 mm
Inside Width	14.5 in	368 mm
Material	6063-T6 Marine Grade Aluminum	
Sheet Piling Compatibility	SG-950	
Recommended Accessories	45° and 90° AW-1500 Corner Insert	
Standard Colors/Surface Treatment	Mill Finish	
Standard Packaging	20ft AW-1500 Cap, SS and PVC Fasteners, Splice Insert	



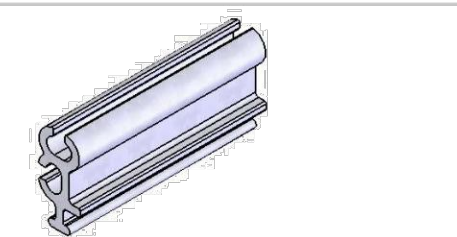
©2019 CMI Limited. All rights reserved. CMI, ShoreGuard, The ShoreGuard System, Z-Profile, Synthetic Sheet Piling, XCR, and other trademarks are the property of CMI Limited. All other trademarks are the property of their respective owners. CMI Limited is not responsible for any errors or omissions in this document. CMI Limited is not responsible for any damage or injury resulting from the use of this document. CMI Limited is not responsible for any loss of profit or business resulting from the use of this document. CMI Limited is not responsible for any loss of data or information resulting from the use of this document. CMI Limited is not responsible for any loss of time or resources resulting from the use of this document. CMI Limited is not responsible for any loss of reputation resulting from the use of this document. CMI Limited is not responsible for any loss of credibility resulting from the use of this document. CMI Limited is not responsible for any loss of trust resulting from the use of this document. CMI Limited is not responsible for any loss of confidence resulting from the use of this document. CMI Limited is not responsible for any loss of respect resulting from the use of this document. CMI Limited is not responsible for any loss of honor resulting from the use of this document. CMI Limited is not responsible for any loss of dignity resulting from the use of this document. CMI Limited is not responsible for any loss of pride resulting from the use of this document. CMI Limited is not responsible for any loss of self-respect resulting from the use of this document. CMI Limited is not responsible for any loss of self-esteem resulting from the use of this document. CMI Limited is not responsible for any loss of self-worth resulting from the use of this document. CMI Limited is not responsible for any loss of self-respect resulting from the use of this document. CMI Limited is not responsible for any loss of self-esteem resulting from the use of this document. CMI Limited is not responsible for any loss of self-worth resulting from the use of this document.

cmilc.com

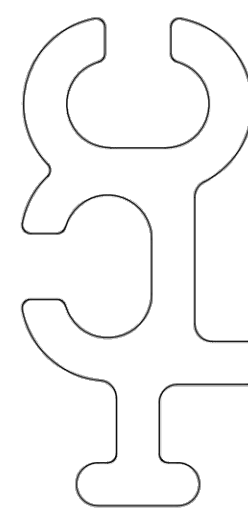


Updated: January 30, 2019

SG 950 CORNER



Material	Weatherable Rigid Vinyl
Standard Colors	Gray, Clay
Technology	XCR™
Compatibility	SG-950



©2019 CMI Limited. All rights reserved. CMI, ShoreGuard, The ShoreGuard System, Z-Profile, Synthetic Sheet Piling, XCR, and other trademarks are the property of CMI Limited. All other trademarks are the property of their respective owners. CMI Limited is not responsible for any errors or omissions in this document. CMI Limited is not responsible for any damage or injury resulting from the use of this document. CMI Limited is not responsible for any loss of profit or business resulting from the use of this document. CMI Limited is not responsible for any loss of data or information resulting from the use of this document. CMI Limited is not responsible for any loss of time or resources resulting from the use of this document. CMI Limited is not responsible for any loss of reputation resulting from the use of this document. CMI Limited is not responsible for any loss of credibility resulting from the use of this document. CMI Limited is not responsible for any loss of trust resulting from the use of this document. CMI Limited is not responsible for any loss of confidence resulting from the use of this document. CMI Limited is not responsible for any loss of respect resulting from the use of this document. CMI Limited is not responsible for any loss of honor resulting from the use of this document. CMI Limited is not responsible for any loss of dignity resulting from the use of this document. CMI Limited is not responsible for any loss of pride resulting from the use of this document. CMI Limited is not responsible for any loss of self-respect resulting from the use of this document. CMI Limited is not responsible for any loss of self-esteem resulting from the use of this document. CMI Limited is not responsible for any loss of self-worth resulting from the use of this document.

cmilc.com



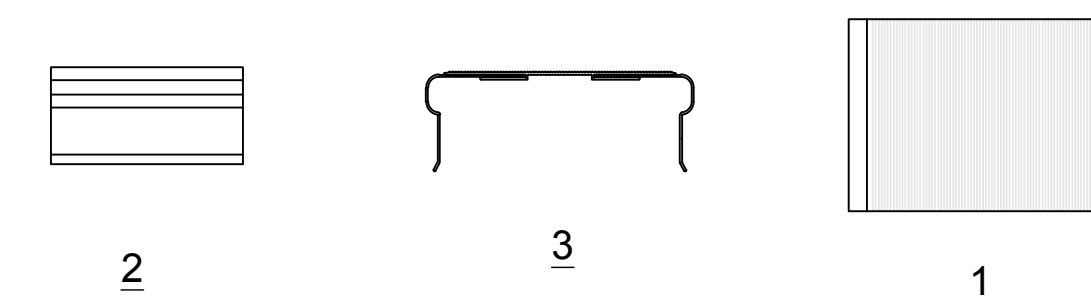
AW-1500 PROFILE VIEW

AW-1500 ISOMETRIC VIEW



AW-1500 PLAN VIEW

AW-1500 SECTION VIEW



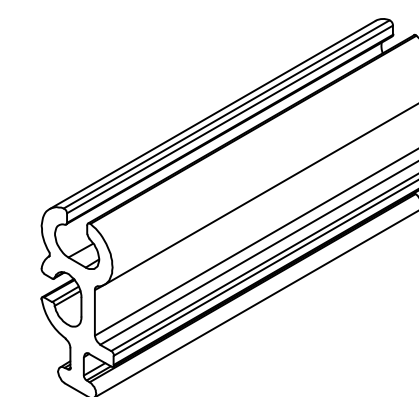
INSTRUCTIONS FOR USE:

- PLAN VIEW:
 - CLICK ARROW AND TYPE DISTANCE TO OBTAIN CORRECT LENGTH OF CAP
- PROFILE VIEW:
 - CLICK ARROW AND TYPE LENGTH
- CROSS-SECTION

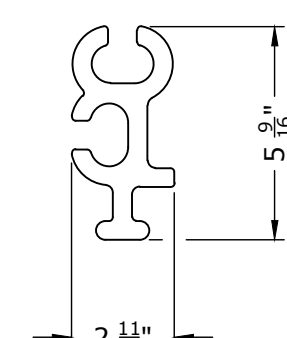
*ALL UNITS ARE IN INCHES. MAKE SURE TO INCLUDE THE APPROPRIATE SYMBOL FOR WHEN DIMENSION IS IN FEET.
 *MAKE SURE TO ACCOUNT FOR THE EXISTING LENGTH OF THE BLOCK WHEN ADDING THE TOTAL LENGTH.
 *THESE INSTRUCTIONS ARE INTENDED FOR THE AUTOCAD 2015 FULL VERSION, ANY "LT" VERSION OR OTHER EDITION MAY REQUIRE DIFFERENT INSTRUCTIONS.

SHEET PILE CAP DETAILS

NOT TO SCALE



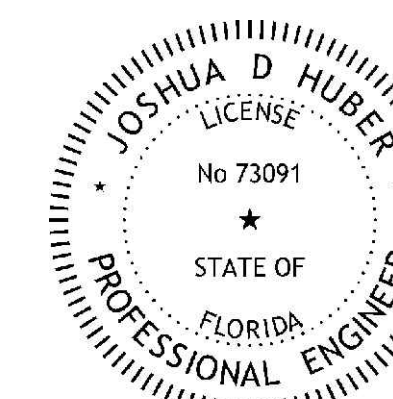
SG 950 ISOMETRIC VIEW



SG 950 PLAN VIEW

CORNER PILE DETAIL

NOT TO SCALE



**PERDIDO KEY FIRE STATION
 PAVEMENT REPAIRS
 CMI SHEET PILE DETAILS
 ESCAMBIA COUNTY, FLORIDA**



DRAWN BY: J. A. STONE	CHECKED BY: FRANK J. FABRE, P.E.	REG. P.E. ENG. NO.	DATE:
		73091	
DESIGNED BY: JOSHUA D. HUBER, P.E.	PROJECT MANAGER: GEORGE BUSH	DISTRICT:	SECTION/TOWNSHIP/RANGE:
		2	SEC. 33, T.25N, R.63E-W
FABRE ENGINEERING & SURVEYING ENGINEERS PLANNERS SURVEYORS		119 GREGORY SQUARE PENSACOLA, FLORIDA 32502 TEL:850 433 6438 FAX:850 434 7842	

DATE	APPROVED BY
REVISIONS	

DRAWING NUMBER	D-102
PROJECT NUMBER	190017
SURVEY NUMBER	-
SHEET	13 OF 13