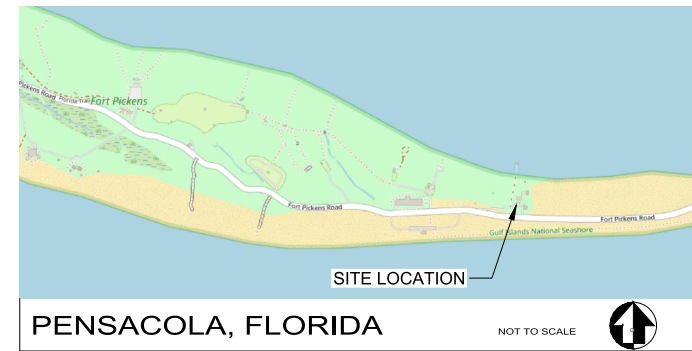
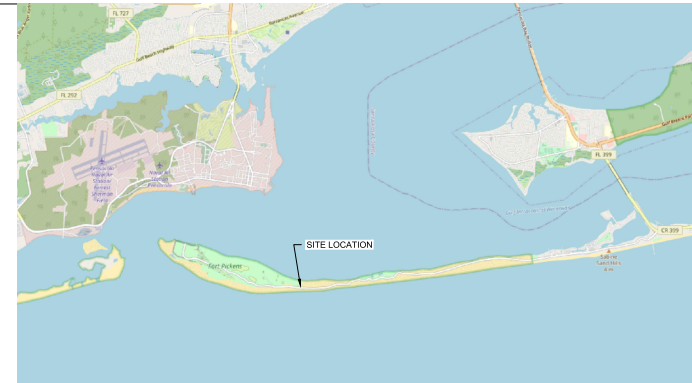




GULF ISLAND NATIONAL SEASHORE



INDEX OF DRAWINGS

SHEET	SUB SHEET	TITLE OF SHEET
1	CS	COVER SHEET
2	C1	GENERAL INFORMATION
3	C2	SITE ACCESS PLAN
4	C3	DEMOLITION PLAN
5	C4	SITE PLAN
6	C5	LIFT STATION DETAIL PLAN
7	C6	LIFT STATION LAYOUT
8	C7	DETAILS
9	E001	ELECTRICAL LEGEND
10	E301	EXISTING ELECTRICAL CONDITIONS
11	E501	ELECTRICAL RISER



Mark	Sheet	REVISION	Date	Initial	QUALITY DESIGN CERTIFICATION
					RECOMMENDED: _____ Date: _____ Project Manager
					APPROVED: _____ Date: _____ Superintendent

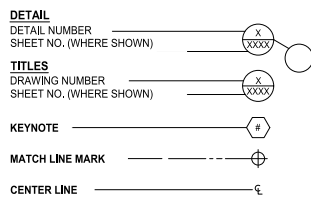


CONSTRUCTION DOCUMENTS		TITLE OF PROJECT	DRAWING NO.
UNITED STATES DEPARTMENT OF THE INTERIOR		REPLACE EAST LIFT STATION	XX XXXXXX
NATIONAL PARK SERVICE DENVER SERVICE CENTER		LOCATION WITHIN PARK FORT PICKENS	FMS/PKG NO. 303760
		NAME OF PARK GULF ISLAND NATIONAL SEASHORE	SHEET
REGION SOUTHEAST	COUNTY ESCAMBIA	STATE FLORIDA	1 of 11

ABBREVIATIONS:

A		L	LAVATORY
A/E	ARCHITECT/ENGINEER	L	LONG
ABV	ABOVE	LVT	LUXURY VINYL TILE
ADJ	ADJUSTABLE		
ADMIN	ADMINISTRATION	M	MAINTENANCE
AFF	ABOVE FINISH FLOOR	MATL	MATERIAL
ALT	ALTERNATE	MAX	MAXIMUM
ALUM	ALUMINUM	MECH	MECHANICAL
ANOD	ANODIZED	MEZZ	MEZZANINE
ARCH	ARCHITECT (URAL)	MFR	MANUFACTURER
AUTO	AUTOMATIC	MISC	MISCELLANEOUS
AVG	AVERAGE	MIN	MINIMUM
&	AND	MOD	MODIFICATION
@	AT	MTD	MOUNTED
		MTL	METAL
B		N	NOT APPLICABLE
BLDG	BUILDING	N/A	NOT IN CONTRACT
BD	BOARD	NIC	NATIONAL PARK SERVICE
B.O.	BOTTOM OFF	NTS	NOT TO SCALE
C		O	ON CENTER
CAB	CABINET	OPNG	OPENING(S)
CJ	CONTROL JOINT	OPP	OPPOSITE
CLG	CEILING	OVHD	OVERHEAD
CLR	CLEAR		
CMU	CONCRETE MASONRY UNIT	P	PLATE
CNTR	COUNTER	PLBG	PLUMBING
CO	CONTRACTING OFFICER	PLYWD	PLYWOOD
COL	COLUMN	PMIS	PROJECT MANAGEMENT
CONC	CONCRETE	PMIS NO	PROJECT PMIS NUMBER
CONT	CONTINUOUS(ATION)	PNL	PANEL
COR	CONTRACTING OFFICER REPRESENTATIVE	PREFAB	PREFABRICATED
		PREFIN	PREFINISHED
		PT	PRESSURE TREATED
D		Q	QUANTITY
DBL	DOUBLE		
DEPT	DEPARTMENT		
DIA	DIAMETER		
DIFF	DIFFUSER		
DIM	DIMENSION		
DIV	DIVISION		
DN	DOWN		
DSC	DENVER SERVICE CENTER		
DTL	DETAIL		
DWG	DRAWING		
E		R	RADIUS
EA	EACH	R, RAD	RADIUS REFLECTED CEILING PLAN
ELEC	ELECTRICAL	RCP	ROOF DRAIN
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	REMF	REINFORCE (D) (ING)
ELEV	ELEVATION	REQD	REQUIRED
ENTR	ENTRANCE	REV	REVISION
EQ	EQUAL	RM	ROOM
EQUIP	EQUIPMENT	RO	ROUGH OPENING
EXIST	EXISTING	RTU	ROOF TOP UNIT
EXP JT	EXPANSION JOINT	S	SIMILAR
EXPS	EXPOSE(D)	SIM	SPECIFICATION
EXT	EXTERIOR	SPEC	SPEAKER
		SPK	SQUARE
F		SQ	STAINLESS STEEL
FAB	FABRICATION	SS	STANDARD
FD	FLOOR DRAIN	STD	STRUCTURAL
FE	FIRE EXTINGUISHER	STL	STEEL
FFE	FINISHED FLOOR ELEVATION	STO	STORAGE
FFL	FINISHED FLOOR LINE	SUSP	SUSPENDED
FIN	FINISH		
FLR	FLOORING		
FRP	FIBER REINFORCED PANEL	T	TO BE DETERMINED
FRT	FIRE RETARDANT TREATED	TBD	TEMPERED
FT	FOOT/FEET	TEL	TELEPHONE
FURN	FURNITURE	TEMP	THICK
		THK	TOILET
G		TLT	T.O.
GA	GAUGE	T.O.	TOP OF
GALV	GALVANIZED	T & G	TONGUE AND GROOVE
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GEN	GENERAL	TV	TELEVISION
GL	GLASS		
GPM	GALLONS PER MINUTE	U	UNFINISHED
		UNFN	UNLESS NOTED OTHERWISE
H		V	VARIES
H	HIGH	VAR	VERTICAL
HC	HANDICAP	VERT	VERIFY IN FIELD
HDWR	HARDWARE		
HM	HOLLOW METAL		
HP	HORSE POWER		
HT	HEIGHT		
HVAC	HEATING, VENTILATION AND AIR CONDITIONING	W	WITH
		W/	WIDTH
		WC	WATER CLOSET
		WD	WOOD
		W/O	WITHOUT
		WTRPRF	WATERPROOFING
I			
INFO	INFORMATION		
INSUL	INSULATION		
INT	INTERIOR		
J			
JAN	JANITOR		
JT	JOINT		

LEGENDS AND SYMBOLS:



GENERAL NOTES:

- CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SUPERVISION AND COORDINATION OF ALL CONSTRUCTION PROCEDURES.
- THESE PLANS SHOULD BE STUDIED AND USED IN THEIR ENTIRETY AS INFORMATION VITAL TO EACH STAGE OF CONSTRUCTION.
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES AND ORDINANCES IN EFFECT AT THE TIME OF PERMIT, IN THE EVENT OF A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL GOVERN AND BE MET.
- ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR AND THE CONTRACTING OFFICER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- COORDINATE LOCATIONS AND/OR ELEVATIONS OF DRAINS, SLABS, GROUND, ELECTRICAL PANELS, CONTROLS, ALARMS, ETC. WITH MECHANICAL AND ELECTRICAL CONTRACTORS AND ARCHITECTURAL DRAWINGS.
- WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY TO ALL LIKE OR SIMILAR CONDITIONS, EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.
- THE GENERAL CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ENVIRONMENT IS MAINTAINED IN SUCH A WAY TO INHIBIT EROSION AND SEDIMENT CONTROL.
- THE GENERAL CONTRACTOR SHALL REMOVE PROMPTLY AND LEGALLY ALL ACCUMULATED DEBRIS, PROTECT ALL EXPOSED PORTIONS OF WORK FROM ELEMENTS, AVOID OVER-LOADING STRUCTURE, AND SECURELY STORE ALL ITEMS TO BE USED FOR CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
- ANY EXISTING UTILITIES TO BE ABANDONED SHALL BE PROPERLY DISCONNECTED, PLUGGED OR CAPPED, AS REQUIRED BY CODE OR SOUND CONSTRUCTION PRACTICE.
- NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE DRAWINGS OR SPECIFICATIONS WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE CONTRACTING OFFICER.
- WHERE LACK OF INFORMATION, OR ANY DISCREPANCY SHOULD APPEAR IN THE DRAWINGS OR SPECIFICATIONS, REQUEST WRITTEN INTERPRETATION FROM THE CONTRACTING OFFICER BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- WHEN A SYSTEM OR ASSEMBLY IS SPECIFIED, ALL NECESSARY PARTS AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION/SYSTEM SHALL BE INSTALLED ACCORDING TO THE MANUFACTURERS INSTRUCTIONS.
- COORDINATE WITH ALL TRADES THE LOCATIONS OF SLEEVES OR OTHER PRESET ACCESSORIES INVOLVING OTHER TRADES.
- THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR THE COMPLETION OF ALL WORK SHOWN OR REASONABLY IMPLIED BY THESE DRAWINGS AND/OR SPECIFICATIONS. THE GENERAL CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL IMMEDIATELY NOTIFY THE CONTRACTING OFFICER IN WRITING OF ANY DISCREPANCIES.
- DETAILS TAKE PRECEDENCE OVER PLANS AND ELEVATIONS - LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMIT APPROVALS PRIOR TO THE COMMENCEMENT OF ANY WORK.
- THE GENERAL CONTRACTOR SHALL FURNISH COPIES OF PERMITS, INSPECTIONS, AND CERTIFICATES TO THE CONTRACTING OFFICER AS REQUESTED ALONG WITH FIRST APPLICATION FOR PAYMENT.
- THE GENERAL CONTRACTOR SHALL PROVIDE ALL PERMITS AND CLOSE OUT DOCUMENTS TO CONTRACTING OFFICER UPON COMPLETION OF PROJECT.
- THE DESIGN OF THIS PROJECT IS BASED UPON INFORMATION PROVIDED BY NATIONAL PARK SERVICE THROUGH EXISTING DRAWINGS AND ON-SITE OBSERVATION. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING WORK. IF EXISTING CONDITIONS ARE NOT AS DEPICTED OR ANTICIPATED, NOTIFY THE CONTRACTING OFFICER IMMEDIATELY UPON DISCOVERY AND DO NOT PROCEED WITHOUT APPROVAL. IF CONTRACTOR PROCEEDS WITHOUT APPROVAL, THE CONTRACTOR ACCEPTS FULL LIABILITY FOR THAT PORTION OF CONSTRUCTION.

DEFINITIONS:

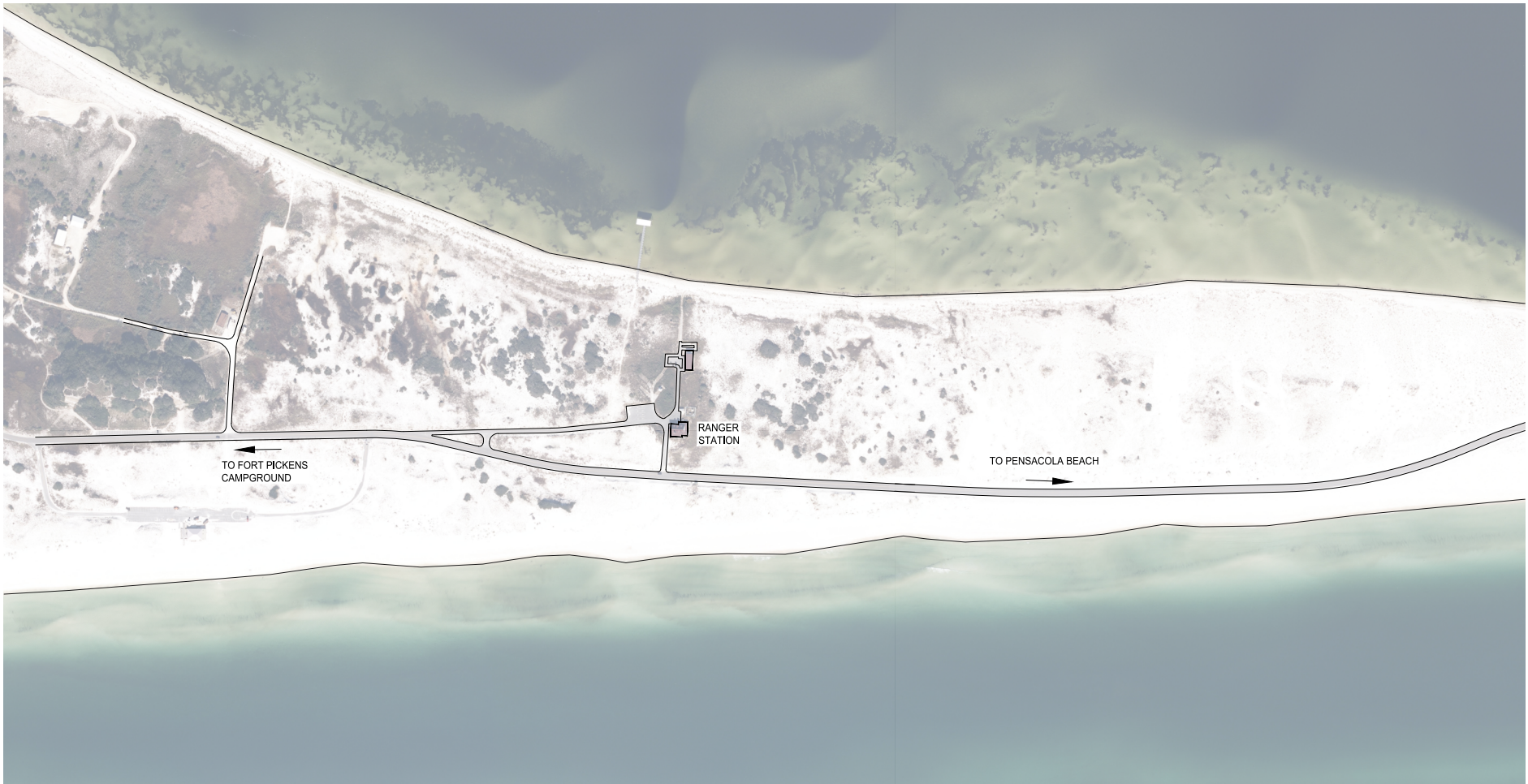
- DIMENSIONS NOTED AS "CLEAR" SHALL BE FROM FINISHED FACE TO FINISHED FACE.
- "TYPICAL" MEANS TYPICAL FOR ALL SIMILAR CONDITIONS, UNO.
- WHEREVER THE TERM "OR EQUAL" IS USED, IT SHALL MEAN EQUAL OR BETTER PRODUCT AS APPROVED BY THE CONTRACTING OFFICER.



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A/E FIRM CROFT & ASSOCIATES KENNESAW, GEORGIA	DESIGNED: L.HALE	SUB SHEET NO. <h1 style="font-size: 2em;">C1</h1>	TITLE OF PROJECT REPLACE EAST LIFT STATION	DRAWING NO. XX	
	@ADD K.BATES TECH. REVIEW:		TITLE OF SHEET GENERAL INFORMATION	PMIS/PKG NO. 303760	
	TECH. REVIEW: J. DOWNEY			SHEET	
	DATE: 06/08/2023			GULF ISLAND NATIONAL SEASHORE	02 of 11

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1 SITE ACCESS PLAN VIEW
C2 SCALE (A)

NOTES

1. APPROXIMATE 100'x75' AREA FOR CONTRACTOR LAYDOWN AND STAGING. EXACT LOCATION TO BE APPROVED BY THE CONTRACTING OFFICER. TEMPORARY FENCE TO BE INSTALLED BY THE CONTRACTOR FOR PROTECTION OF MATERIALS AND EQUIPMENT. CONTRACTOR SHALL REPAIR AREA TO ITS ORIGINAL CONDITION AT THE END OF CONSTRUCTION. ACCESS FOR CONSTRUCTION ACTIVITIES SHALL BE MONITORED BY THE CONTRACTING OFFICER IF THE GROUND IS WET AND SATURATED.
2. CONTRACTOR EQUIPMENT AND VEHICLES SHALL BE STORED AND PARKED WITHIN THE LAYDOWN AND STAGING AREA.
3. ALL ON-SITE ROAD SURFACE IS MACADAM UNLESS OTHERWISE STATED ON THE DRAWINGS.

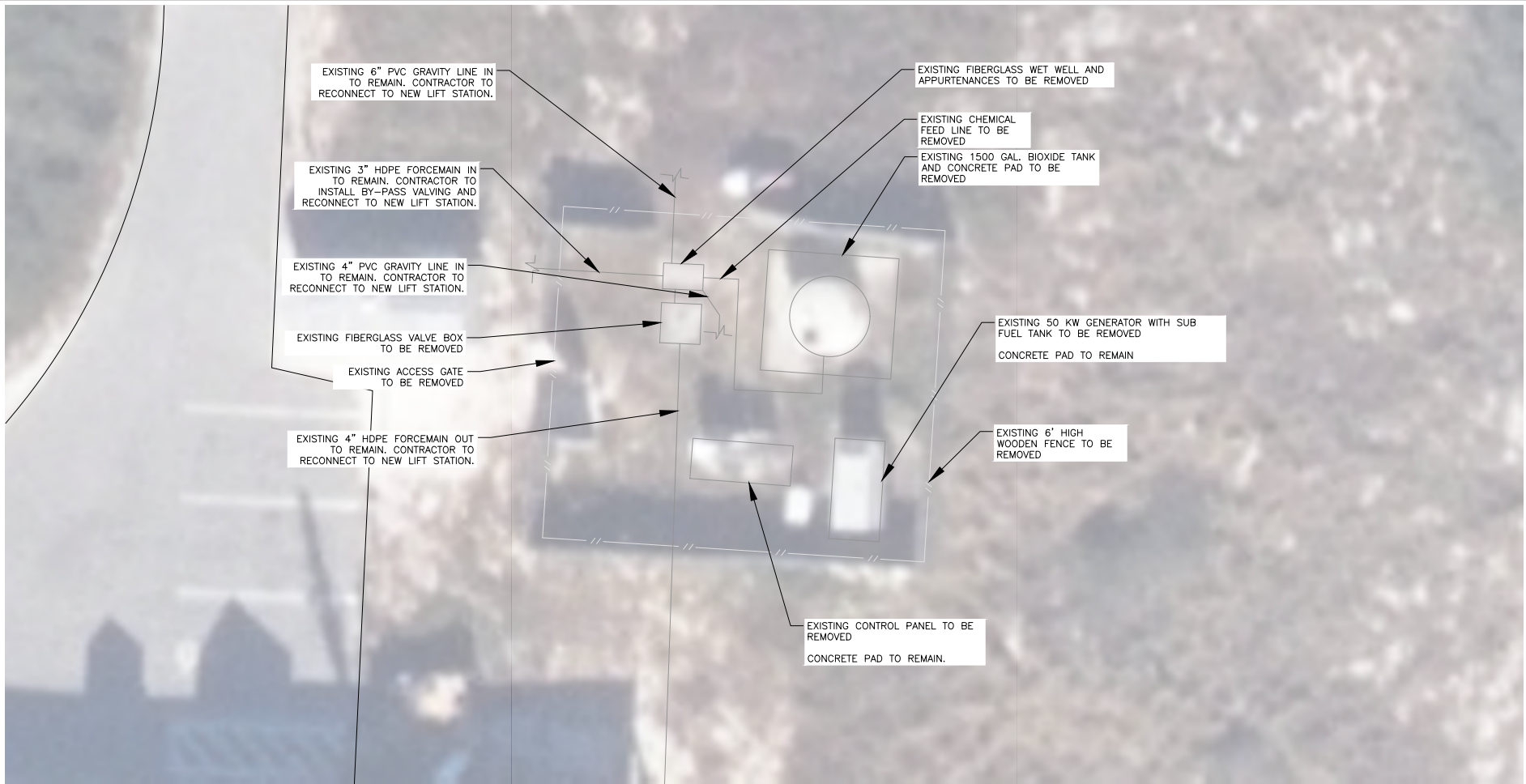


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A/E FIRM CROFT & ASSOCIATES KENNESAW, GEORGIA	DESIGNED: L.HALE	SUB SHEET NO. C2
	TECH. REVIEW: J. DOWNEY	
	DATE: 06/08/2023	

TITLE OF PROJECT REPLACE EAST LIFT STATION
TITLE OF SHEET SITE ACCESS PLAN
GULF ISLAND NATIONAL SEASHORE

DRAWING NO. XX
XXXXXX
PMIS/PKG NO. 303760
SHEET 03 OF 11



NOTES

1. EXISTING CHEMICAL FEED LINE TO BE REMOVED, NOT ABANDONED IN PLACE.
2. ALL COMPONENTS BEING REMOVED TO BE DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE INSTRUCTED BY THE CONTRACTING OFFICER.

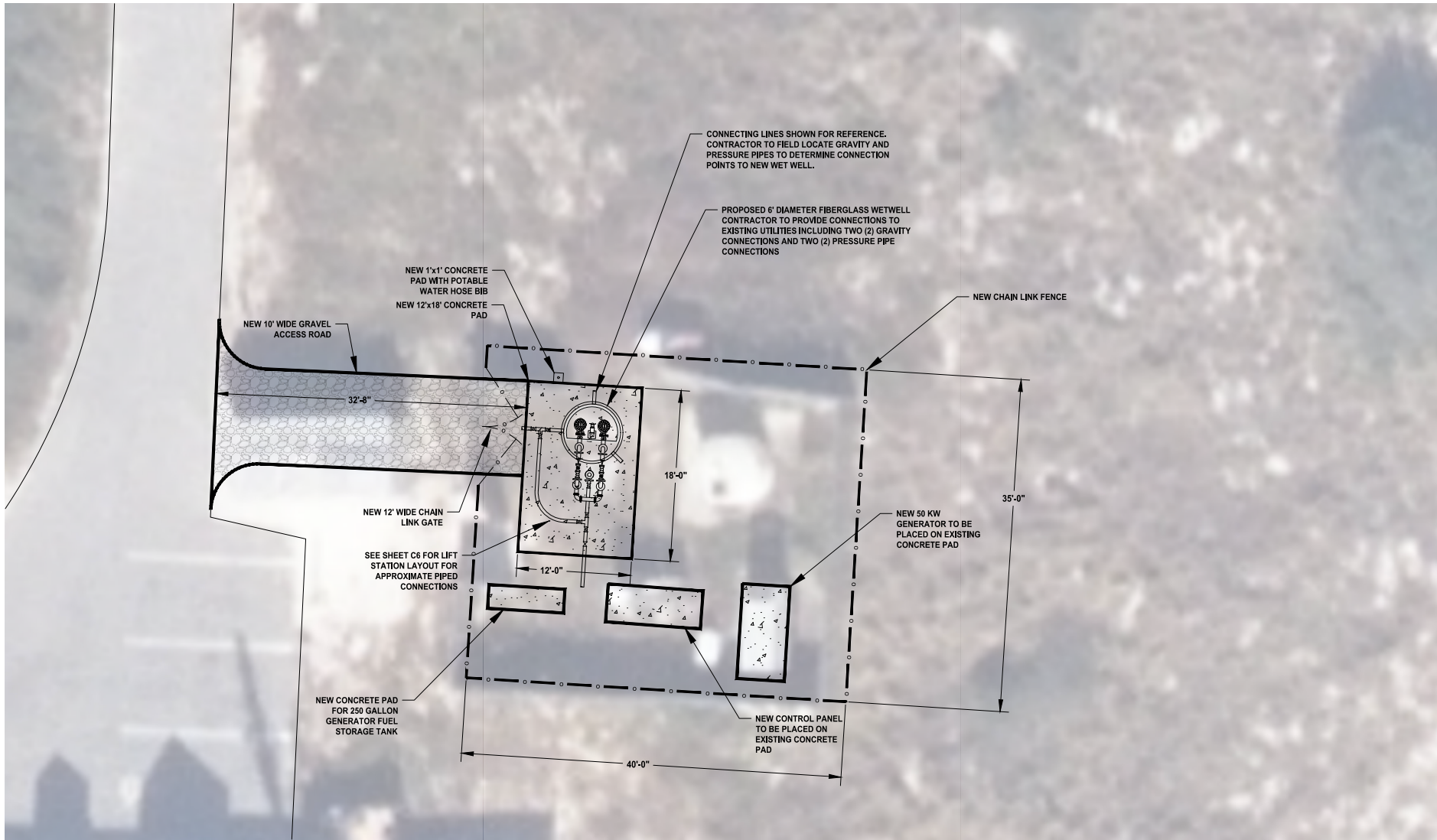
1 DEMOLITION PLAN VIEW
C3



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A/E FIRM CROFT & ASSOCIATES KENNESAW, GEORGIA	DESIGNED: L.HALE	SUB SHEET NO. C3	TITLE OF PROJECT REPLACE EAST LIFT STATION	DRAWING NO. XX
	TECH. REVIEW: J. DOWNEY		TITLE OF SHEET DEMOLITION PLAN	PMIS/PKG NO. 303760
DATE: 06/08/2023			GULF ISLAND NATIONAL SEASHORE	SHEET 04 OF 11

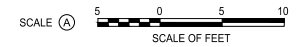
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NOTES

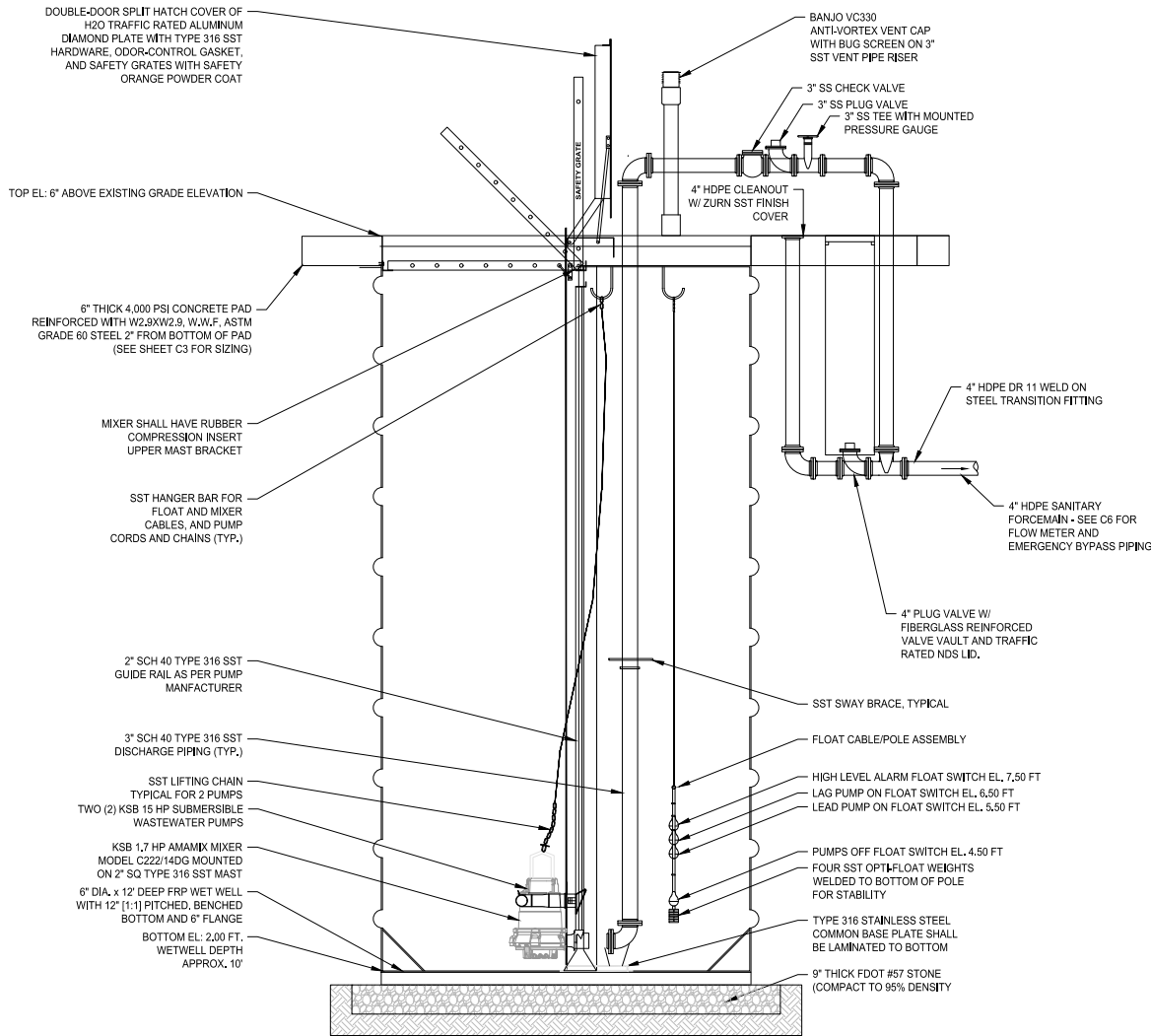
1. 4" PF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) #57 STONE, 60 MIL GEOFABRIC WEED CONTROL LINER UNDER STONE PLACED AT ALL NON-PAVED AREAS WITHIN CHAIN LINK FENCE
2. SEE SHEETS C5 & C6 FOR LIFT STATION PLAN AND SECTION DETAILS.
3. SEE ELECTRICAL PLANS FOR ELECTRICAL CONNECTIONS
4. CONTRACTOR SHALL BRING IN SAND FILL AS REQUIRED TO MATCH ORIGINAL GRADE.
5. CONTRACTOR TO PROVIDE TEMPORARY PUMPING OF SANITARY SEWER TO MAINTAIN OPERATIONS THROUGHOUT CONSTRUCTION. TEMPORARY PUMPING SHALL BE SUBMITTED AND APPROVED BY THE CONTRACTING OFFICE PRIOR TO USE.
6. APPROXIMATELY 60' IN 1" PVC MAY BE NEEDED FOR WATER LINE EXTENSION.

1 SITE PLAN
C4 SCALE (A)



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A/E FIRM CROFT & ASSOCIATES KENNESAW, GEORGIA	DESIGNED: Lee Hale	SUB SHEET NO. C4	TITLE OF PROJECT REPLACE EAST LIFT STATION TITLE OF SHEET SITE PLAN	DRAWING NO. XX
	TECH. REVIEW: Ken Bates DATE: 06/08/2023			PMIS/PKG NO. 303760
			GULF ISLAND NATIONAL SEASHORE	SHEET 5 OF 11



1 LIFT STATION SECTION VIEW
C5 NOT TO SCALE

NOTE:
FIBERGLASS WET WELL MUST SHIP COMPLETELY ASSEMBLED AND FOLLOWING ITEMS INTEGRATED: PIPE, FITTINGS, VALVES, PRESSURE BRACES, GAUGES, BRACES, BRACKETS, KSB GUIDE RAIL SYSTEMS, KSB MIXER MAST SYSTEM, ODOR REDUCTION GASKETED HATCH COVERS, 3" SST VENT PIPE WITH PVC "BANJO VENT" WITH SST BUG SCREEN, CONTAINMENT AREA DRAIN CONNECTION. IN ORDER TO ASSURE QUALITY, THE WET WELL AND VALVE BOX MUST BE SUPPLIED BY "FIBERGLASS TANK SOLUTIONS". SUBMITTAL DATA FROM FIBERGLASS TANK SOLUTIONS WILL INCLUDE STRUCTURAL AND ANTI-FLOTATION CALCULATIONS STAMPED BY THIRD PARTY STATE OF FLORIDA LICENSED ENGINEER AND WILL INCLUDE CONCRETE BASIN DESIGN.

- THE PUMPS SHALL HAVE A 5 YEAR 100% PARTS AND LABOR WARRANTY AS PROVIDED BY THE PUMP MANUFACTURER.
- PRESSURE GAUGE SIZED TO READ NO MORE THAN 1-1/2 TIMES THE MAXIMUM PRESSURE PUMP PROVIDES AT DEAD HEAD.
- FLOAT POLE ASSEMBLY CONSISTS OF A 1" SST PIPE WITH SST LIFTING CHAIN MOUNTED TO WELED EYE, CHAIN SHALL BE LONG ENOUGH TO POSITION THE FLOATS AT THE REQUIRED DEPTH. FIBER OPTIC "OPTI-FLOATS" ARE WEIGHTLESS AND MOUNT TO POLE WITH PIPE CLAMPS. ONE SST WEIGHT FOR EACH FLOAT IS WELDED TO BOTTOM OF FLOAT POLE FOR STABILITY.
- ALL PIPE AND FITTINGS MUST BE 3" DIAMETER SCH 40 TYPE 316 STAINLESS STEEL W/ MINIMUM 125 LB FLANGES.
- VALVES MUST BE 316 STAINLESS STEEL.
- PIPE DISCHARGE PENETRATIONS FROM WET WELL MUST BE VIA INTEGRAL FIBERGLASS SLEEVES WITH RUBBER LINK SEALS AND SST HARDWARE.
- KSB PUMP GUIDE RAIL SYSTEM MUST BE UTILIZED AND SHALL INCLUDE: 2"x3" BASE ELBOWS OF CAST "WHITE CHROMIUM IRON" WITH 5 YEAR ABRASION WARRANTY (STANDARD CAST IRON WILL NOT BE ACCEPTABLE), DUAL 2" SCH 40 TYPE 316 STAINLESS STEEL GUIDE RAILS, PUMP "CLAWS" THAT WRAP AROUND PIPE (RAIL CLAWS THAT FIT BETWEEN RAIL PIPE WILL NOT BE ACCEPTABLE).
- KSB MIXER MUST BE INTEGRATED INTO NEW WET WELL AND MUST BE HEAVY-DUTY 2"x2" SQUARE TYPE 316 SST WITH RUBBER COMPRESSION INSERT UPPER MAST BRACKET, AND LOWER BRACKET SECURED TO COMMON BASE PLATE.
- HATCH COVERS BY USSF: ODOR REDUCTION GASKETED WET WELL HATCH SHALL BE 1/4" THICK DIAMOND PLATE ALUMINUM, ROUND WITH DOUBLE LEAFS AND SAFETY GRATES, EACH LEAF SHALL HAVE A SLAM LOCK. VALVE BOX SHALL BE 48"x48" SQUARE, DOUBLE-DOOR WITH SLAM LOCK (NO SAFETY GRATES).
- EXISTING CONTROL PANEL AND ELECTRICAL BACKBOARDS/RACK TO REMAIN.
- EXISTING PUMPS, MIXER, AND FLOATS SHALL BE SUBMITTED TO CERTIFIED KSB REPAIR SHOP "GULF COAST ELECTRIC MOTOR" LOCATED IN PENSACOLA, FL OR APPROVED EQUAL TO BE INSPECTED, CLEANED, PUMPS AND MIXER SHALL BE PRESSURE WASHED HAVE KSB PAINT APPLIED AS NEEDED TO COVER ANY SCRATCHES AND TO MAKE LOOK "LIKE NEW". AFTER BEING CLEANED PUMPS, MIXER AND FLOTAS SHALL BE SUBMITTED TO NPS FOR STORAGE.
- REPAIR KITS AND REPLACEMENT MIXER SHALL BE SUBMITTED TO NPS AS PART OF THE PROJECT.
- ELEVATIONS SHOWN AS APPROXIMATE, NO SURVEY HAS BEEN PROVIDED, CONTRACTOR TO VERIFY ALL ELEVATIONS AND FIELD ADJUST TO MEET EXISTING CONDITIONS FOR PIPE PENETRATIONS.
- FLOAT ELEVATIONS MAY BE ADJUSTED AS NEEDED, THE FOLLOWING HEIGHTS ARE THE REQUIRED FLOAT HEIGHTS MEASURED FROM THE BOTTOM OF THE WETWELL.
 - LEAD PUMP ON: 2'-0"
 - LAG PUMP ON: 3'-0"
 - HIGH LEVEL ALARM: 4'-0"
 - HIGH LEVEL ALARM SHOULD BE AT LEAST 6" BELOW LOWEST GRAVITY INVERT INTO THE WET WELL.
- UPON FINAL DEPTH DETERMINATION MADE BY CONTRACTOR, CONTRACTOR TO PROVIDE BUOYANCY CALCULATIONS AND MUST INSTALL PROPER COUNTERMEASURES TO PREVENT UPLIFT. DESIGN FOR UPLIFT PREVENTION MUST BE SIGNED AND SEALED BY A STATE OF FLORIDA REGISTERED PE, FOR COST ESTIMATING PURPOSES, AN 8' DIAMETER CONCRETE SLAB 2.0' THICK AS THE BASE OF THE WET WELL MAY BE CONSIDERED.

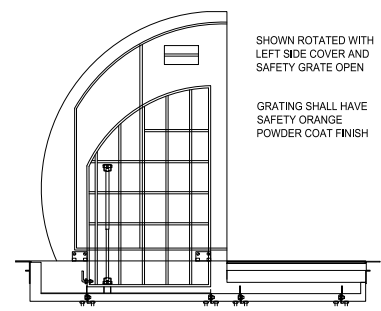
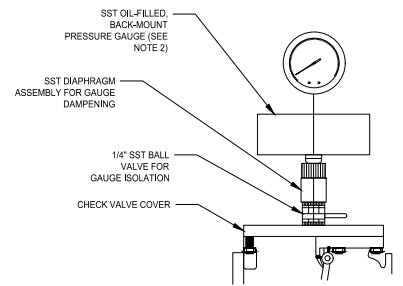
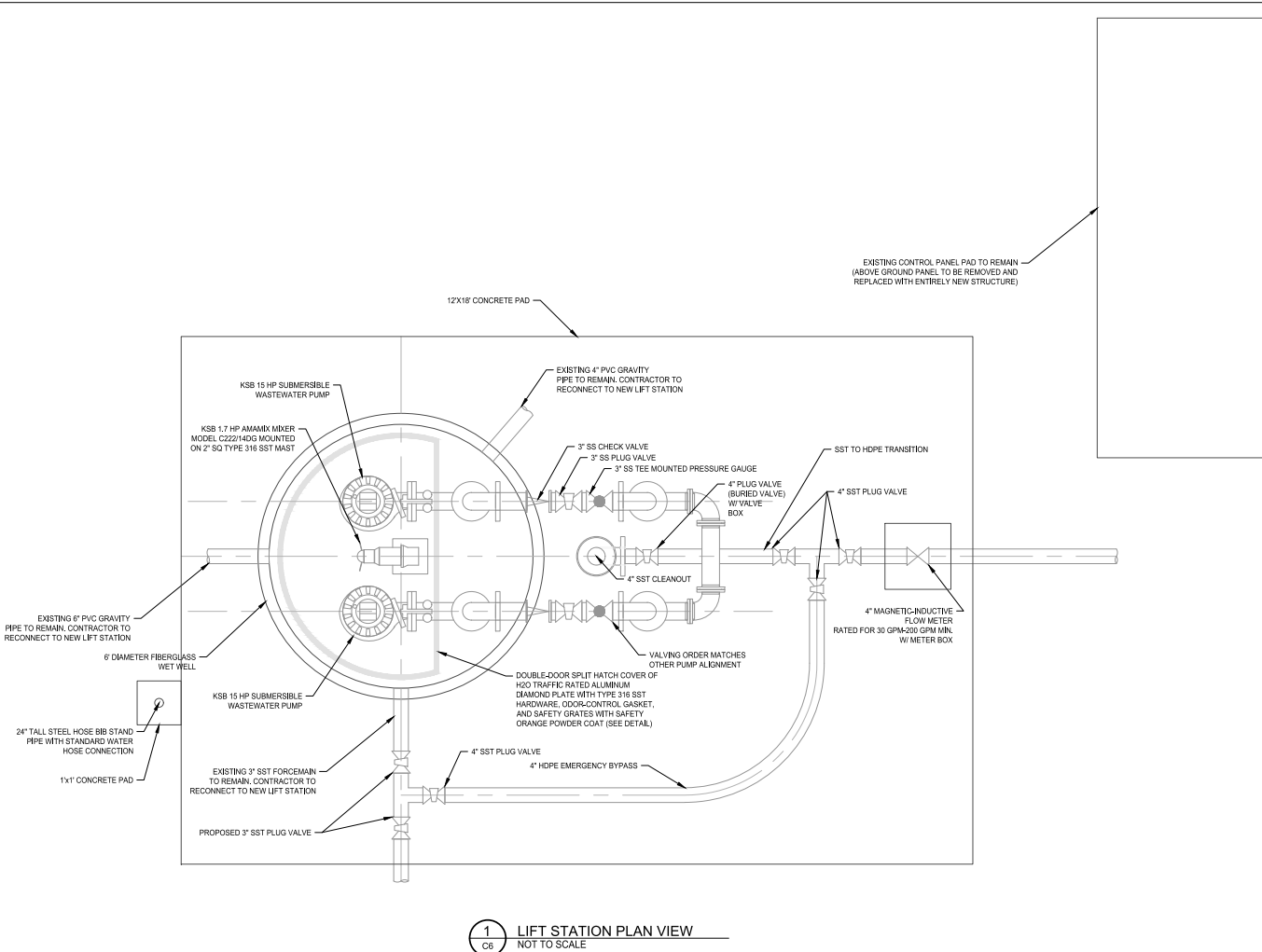


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A/E FIRM CROFT & ASSOCIATES KENNESAW, GEORGIA	DESIGNED: L.HALE	SUB SHEET NO. C5	TITLE OF PROJECT REPLACE EAST LIFT STATION TITLE OF SHEET LIFT STATION DETAIL	DRAWING NO. XX XXXXXX
	@ADD K.BATES TECH. REVIEW: J. DOWNEY DATE: 06/08/2023			PMS/PKG NO. 303760 SHEET 06 OF 11

GULF ISLAND NATIONAL SEASHORE

Z:\Sherrin\clients\Gulf Island\CAD\etf\transmitt - From Ken 2023-04-19\C-5 Lift Station Detail Plan.dwg hals... Thu 08 Jun 2023 - 3:06pm



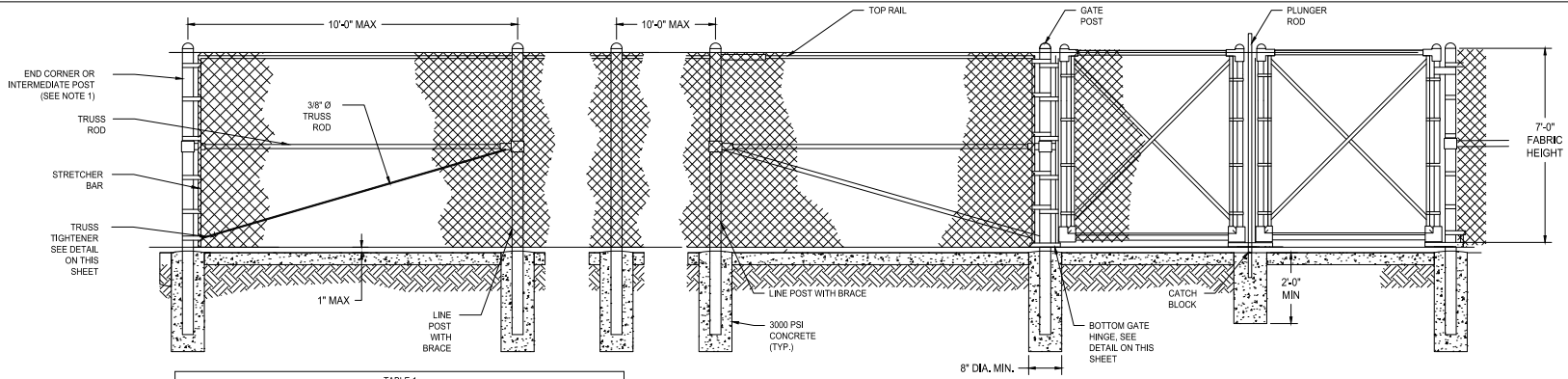
- NOTES:**
- EMERGENCY BYPASS IS NOT ABLE TO SUSTAIN FULL DESIGN FLOW. THE FLOW RATE WILL BE REDUCED, BUT COULD PROVIDE RELIEF OF ALTERNATIVE MEANS OF FLOWING WASTEWATER IN CASE OF EMERGENCY OUTAGE AT THIS LIFT STATION. FLOW METER IS DOWNSTREAM OF EMERGENCY BYPASS FOR ACCURATE CALCULATION OF FLOW IN EMERGENCY SITUATIONS.
 - ALL VALVE VAULTS AND METER BOX SHALL HAVE TRAFFIC RATED LIDS.



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A/E FIRM CROFT & ASSOCIATES KENNESAW, GEORGIA	DESIGNED: L.HALE	SUB SHEET NO. C6	TITLE OF PROJECT REPLACE EAST LIFT STATION TITLE OF SHEET LIFT STATION LAYOUT	DRAWING NO. XX
	TECH. REVIEW: J. DOWNEY			DATE: 06/08/2023



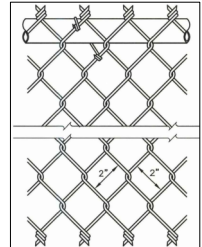


GATE LEAF WIDTHS	GATE POST FOOTING SIZE	GATE FRAME SIZE
6'-0" WIDE	1'-0" DIA. X 3'-0" DEEP	1.900" O.D., 2.28 LBS/FT

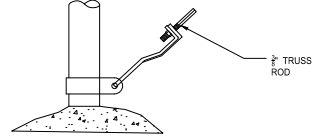
FABRIC HEIGHT	END CORNER OR INTERMEDIATE POST FOOTING SIZE	LINE POSTS FOOTING SIZE
7'-0"	1'-0" DIA. X 3'-0" DEEP	10" DIA. X 3'-0" DEEP

1 CHAINLINK FENCE ELEVATION
NOT TO SCALE

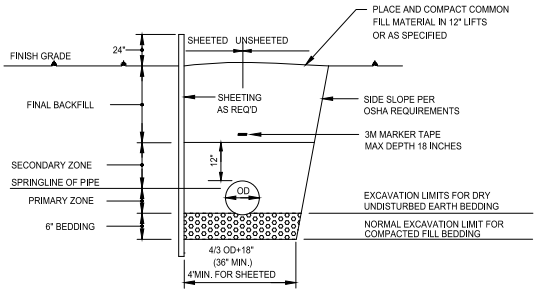
- NOTES:
- BRACING SYMMETRICAL ABOUT CORNER AND INTERMEDIATE POSTS.
 - FASTEN THE BOTTOM TENSION WIRE WITHIN THE BOTTOM 6" OF FABRIC
 - ALL TENSION WIRE SHALL MATCH FENCE FABRIC
 - TENSION WIRE SHALL BE SECURELY FASTENED TO THE CORNER POSTS, AND SHALL BE TAUT AND FREE OF SAG.
 - FENCE INSTALLER TO PROVIDE DETAIL FOR GROUNDING FENCE FOR LIGHTING AT ALL FOUR CORNERS.
 - FENCING SHALL PROVIDE 1" WIDE, 4" THICK STRIP OF CONCRETE WITH THE FENCE CENTERED OVER THE STRIP TO PROVIDE EASIER MAINTENANCE FOR PARK STAFF. CONCRETE TO BE REINFORCED WITH W2.3XW2.3 W/L.F.



2 TYPICAL FABRIC TIE DETAIL
NOT TO SCALE

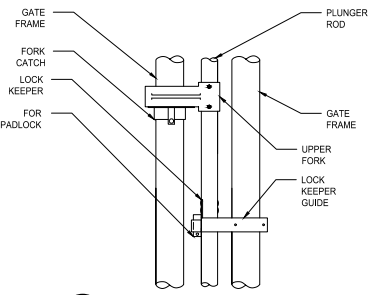


3 TRUSS TIGHTENER DETAIL
NOT TO SCALE

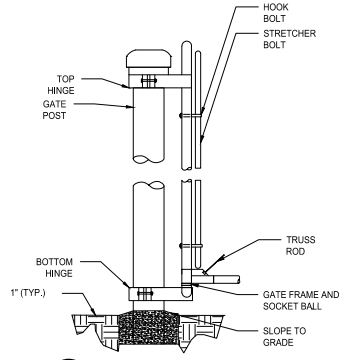


6 TYPICAL PIPE TRENCH
NOT TO SCALE

- NOTES:
- BEDDING SHALL BE #57 STONE IF PIPE BEDDING IS YIELDING
 - PRIMARY & SECONDARY ZONES SHALL BE INDIVIDUALLY COMPACTED LAYERS OF CLEAN FILL
 - COMPACTION OF BACKFILL BENEATH PAVEMENT SHALL BE 98% OF AASHTO T-180. ALL OTHER AREAS SHALL BE 95% OF AASHTO T-180 UNLESS OTHERWISE REQUIRED BY AN AUTHORITY HAVING JURISDICTION
 - PLACE APPROVED 3M MARKER TAPE OR EQUAL DIRECTLY ABOVE THE CENTERLINE OF THE PIPE.
 - SLOPES, BENCHING, OR SHORING SHALL BE PER OSHA REQUIREMENTS
 - SHEETING SHOWN FOR REFERENCE. CONTRACTOR TO FOLLOW ALL OSHA AND OTHER SAFETY STANDARDS WHEN USING SHEETING.



4 TYPICAL GATE LOCKING DEVICE
NOT TO SCALE



5 GATE HINGE DETAIL
NOT TO SCALE



This item has been digitally signed and sealed by Lawrence Hale, PE, on 06/09/2023.
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A/E FIRM
CROFT & ASSOCIATES
KENNESAW, GEORGIA

DESIGNED:
L. HALE
06/09/2023
K. BATES
TECH. REVIEW:
J. DOWNEY
DATE:
06/08/2023

SUB SHEET NO.
C7

TITLE OF PROJECT
REPLACE EAST LIFT STATION
TITLE OF SHEET
DETAILS
GULF ISLAND NATIONAL SEASHORE

DRAWING NO.
XX
XXXXXX
PMIS/PKG NO.
303760
SHEET
08 OF 11



ABBREVIATIONS:

A	AMPS, AMPERES	MC	METAL-CLAD CABLE
AB	AS-BUILT	MCB	MAIN CIRCUIT BREAKER
AC	ALTERNATING CURRENT	MCC	MOTOR CONTROL CENTER
AFCI	ARC FAULT CIRCUIT INTERRUPTOR	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUGS ONLY
AFG	ABOVE FINISHED GRADE	MTD	MOUNTED
AHJ	AUTHORITY HAVING JURISDICTION	MTG	MOUNTING
AIC	AMPERE INTERRUPTING CAPACITY	MTR	METER
AL	ALARM	MTS	MANUAL TRANSFER SWITCH
AM	AMMETER	N	NEUTRAL
AT	ASTRONOMIC TIMER	NC	NORMALLY CLOSED
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAUGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATED
C	CONDUIT	NO	NORMALLY OPEN
CB	CIRCUIT BREAKER	NOM	NOMINAL
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CKT	CIRCUIT	OC	OVERCURRENT
CL	CENTER LINE	OCPOD	OVERCURRENT PROTECTION DEVICE
CLG	CEILING	OD	OUTSIDE DIAMETER
CLR	CLEARANCE	OL	OVERLOAD
COR	THE CONTRACTING OFFICER REPRESENTATIVE	P	POLE
CPVC	CHLORINATED POLYVINYL CHLORIDE	PB	PUSHBUTTON
CT	CURRENT TRANSFORMER	PH	PHASE
CTR	COUNTER	PNL	PANELBOARD
CU	COPPER	POE	POWERED OVER
DC	DIRECT CURRENT	PVC	ETHERNET POLYVINYL CHLORIDE
DIA	DIAMETER	QTY	QUANTITY
DS	DISCONNECT SWITCH	RA	REMOTE ANNUNCIATOR
EA	EACH	RCC	RELAY CONTROL CABINET
ELEC	ELECTRICAL	REF	REFERENCE
EMER	EMERGENCY	REQD	REQUIRED
EMT	ELECTRICAL METALLIC TUBING	RMC	RIGID METAL CONDUIT
ES	EMERGENCY STOP	SW	SWITCH
FA	FIRE ALARM	SWB	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWGR	SWITCHGEAR
FC	FULLY CLOSED	UC	UNDER COUNTER
FLA	FULL LOAD AMPS	UL	UNDERWRITERS LABORATORY
FO	FULLY OPEN	UNO	UNLESS NOTED OTHERWISE
FU	FUSE	V	VOLT(S)
GC	GENERAL CONTRACTOR	VA	VOLT-AMPERE(S)
GFCI	GROUND FAULT CIRCUIT INTERRUPTOR	VFD	VARIABLE FREQUENCY DRIVE
GND	GROUND	VSD	VARIABLE SPEED DRIVE
HP	HORSEPOWER	W	WATT(S)
HZ	HERTZ	WP	WATER PROOF
IMC	INTERMEDIATE METAL CONDUIT	XFMR	TRANSFORMER
JB	JUNCTION BOX		
KVA	KILO-VOLT AMP(S)		
KW	KILO-WATT		
KWH	KILO-WATT HOUR(S)		
LTG	LIGHTING		
LTS	LIGHTS		
LO	LOCKOUT		

1 WORK SITE
E001

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TECH REVIEW:
J. MORGAN
DATE:
6/8/2023

SUB SHEET NO.
E001

LOCATION WITHIN PARK
EAST LIFT STATION
TITLE OF SHEET
ELECTRICAL LEGEND

GULF ISLAND NATIONAL SEASHORE

DRAWING NO.
XX
PMIS/PKG NO.
GUIS 303760
SHEET
9 OF **11**



1 METER, SERVICE DISC, ATS
E301



2 ATS, GEN. DISC, AUTO-DIALER
E301



3 EXISTING DIESEL GENERATOR
E301



4 PUMP CONTROLLER
E301



5 PANEL SERVING AREA
E301



6 PANEL, SPD, PUMP CONTROLLER
E301

NOTE: THIS SHEET IS PROVIDED FOR REFERENCE OF EXISTING CONDITIONS AND EQUIPMENT LAYOUT.



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TECH REVIEW:
J. MORGAN
DATE:
6/8/2023

SUB SHEET NO.
E301

LOCATION WITHIN PARK
EAST LIFT STATION
TITLE OF SHEET
**EXISTING ELECTRICAL
CONDITIONS**
GULF ISLAND NATIONAL SEASHORE

DRAWING NO.
XX
XXXXXX
PMIS/PKG NO.
GUIS 303760
SHEET
10 OF **11**

