

CONTRACT: C22-3130-AP
 WHITESELL-GREEN, INC.
 VPS SECURITY INSPECTION FACILITY
 EXPIRES: 210 CALENDAR DAYS FROM NTP

CHANGE ORDER FORM

Date: 5/18/2022 Contract No.: C22-3130-AP Change Order No.: 01


Owner: OKALOOSA COUNTY BOARD OF COUNTY COMMISSIONERS

Contractor: Whitesell-Green, Inc.

CHANGE TO CONTRACT PRICE	
DESCRIPTION	AMOUNT
Original Contract Price:	\$ 538,000.00
Net change by previously authorized Change Orders:	0.00
Present Contract Price:	\$ 538,000.00
This Change Order will (add/deduct):	\$ 179,013.54
New Contract Price:	\$ 717,013.54

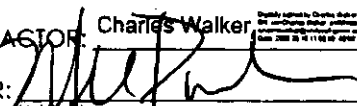
CHANGE TO CONTRACT TIME	
DESCRIPTION	DATE or NUMBER OF DAYS
Original Contract Time:	210
Original Substantial Completion Date:	6/30/2022
Net change by previously authorized Change Orders:	0
This Change Order will (add/deduct):	0
New Contract Time:	N/A
New Substantial Completion Date:	N/A

APPROVALS

REQUESTED BY: 
 Tracy Slage, A.A.E., Airports Director

PROJECT ENGINEER: John Collins

CONTRACTOR: Charles Walker
Digitally signed by Charles Walker
 DN: cn=Charles Walker, o=Whitesell-Green, Inc., email=charles@whitesell-green.com, c=US
 Date: 2022.05.19 11:05:22 -0400

OWNER: 
 Mel Porter
 Chairman, Board of County Commissioners

DATE: 6-1-22

DATE: 5/20/22

DATE: 5/19/22

DATE: AUG 02 2022



This Change Order is an amendment to the Contract/Agreement between Contractor and the Owner, and all other contract provisions shall remain in full force and effect unless specifically amended in writing, signed by both parties.

	Quantity	Unit		Total Labor	Total Material	Total
		Unit Labor	Material			
Hand Exc	Control Tower Pad	22.5 CY	25	10 \$	563 \$	225 \$ 788
Backfill	"	35 CY	25	10 \$	875 \$	350 \$ 1,225
Fine Grade	"	875 SF	2.5	1 \$	2,188 \$	875 \$ 3,063
Concrete - 8" w/fibermesh	"	21 CY	35	175 \$	735 \$	3,675 \$ 4,410
Form	"	107 SF	8	4.5 \$	856 \$	482 \$ 1,338
Finish & Cure	"	760 SF	3.5	1 \$	2,660 \$	760 \$ 3,420
4" gravel mow strip	"	1 CY	40	125 \$	40 \$	125 \$ 165
Rebar	"	0 T	0	0 \$	- \$	- \$ -
Control Joints	"	79 LF	5	3 \$	395 \$	237 \$ 632
Chamfer Edges	"	112 LF	1.5	1 \$	168 \$	112 \$ 280
Tie Down Anchors	"	4 Each	25	102.25 \$	100 \$	409 \$ 509
Pump	"	21 CY	30	100 \$	630 \$	2,100 \$ 2,730
Mini Sheepsfoot Roller	"	1 Each	100	1100 \$	100 \$	1100 \$ 1,200
				\$	9,309 \$	10,450 \$ 19,759
Grand Totals				\$	9,309 \$	10,450 \$ 19,759
				Labor Tax	\$	3,910 \$ 3,910
				Sales Tax	\$	731 \$ 731
TOTAL				\$	13,219 \$	14,181 \$ 24,400
Hand Exc	2 Taxi Sign Pads	7.5 CY	25	10 \$	188 \$	75 \$ 263
Backfill	"	10 CY	25	10 \$	250 \$	100 \$ 350
Fine Grade	"	120 SF	2.5	1 \$	300 \$	120 \$ 420
Concrete - w/fibermesh	"	7.5 CY	35	175 \$	263 \$	1,313 \$ 1,575
Form	"	130 SF	8	4.5 \$	1,040 \$	585 \$ 1,625
Finish & Cure	"	120 SF	3.5	1 \$	420 \$	120 \$ 540
Chamfer Edges	"	67 LF	1.5	1 \$	101 \$	67 \$ 168
Pump	"	7.5 CY	30	100 \$	225 \$	750 \$ 975
Mini Sheepsfoot Roller	"	1 Each	100	1100 \$	100 \$	1100 \$ 1,200
				\$	2,886 \$	4,230 \$ 7,115
Grand Totals				\$	2,886 \$	4,230 \$ 7,115
				Labor Tax	\$	1,212 \$ 1,212
				Sales Tax	\$	296 \$ 296
TOTAL				\$	4,097 \$	4,526 \$ 8,623
Electrical Ethos Electric						
Electrical & Data per plans						
Rental Equipment						
Excavation & Backfill						
Taxiway Signs						
Standard Rack Pedestal see shop drawings						
TOTAL			\$ 121,100.00			

Concrete (Slab & Sign Pads)	\$	33,022.72
Electrical Scope	\$	121,100.00
Markup (10% overhead, 5% Profit)		15%
Subtotal		\$ 177,241.13
Bond		1%



ETHOS
ELECTRICAL SOLUTIONS
ETHICS · HONESTY · INTEGRITY

Licensed:

- FL: EC13006108
- AL: 06839
- MS: 24158-MC

362 Gulf Breeze Pkwy Ste. 411
Gulf Breeze, FL 32561

Quote

To: Whitesell-Green, Inc.

Address: 3881 N Palafox St, Pensacola, FL 32505

Attn: Charles Walker

Phone: 850-377-9359

Fax:

Email: walker@Whitesell-Green.com

Creation Date: 5/17/2022

Job: VPS Airport Tower

Address: 1701 SR-85, Eglin AFB, FL 32579

Attn:

Phone:

Fax:

Email:

Description:

Providing and installing the electrical and data system per the prints.
(see next sheets)

Note: concrete by others.

Quote includes:

rental equipment

excavation and backfill

taxiway signs

standard rack in place of pedestal (see shop drawings)

Quote Total: \$121,100.00

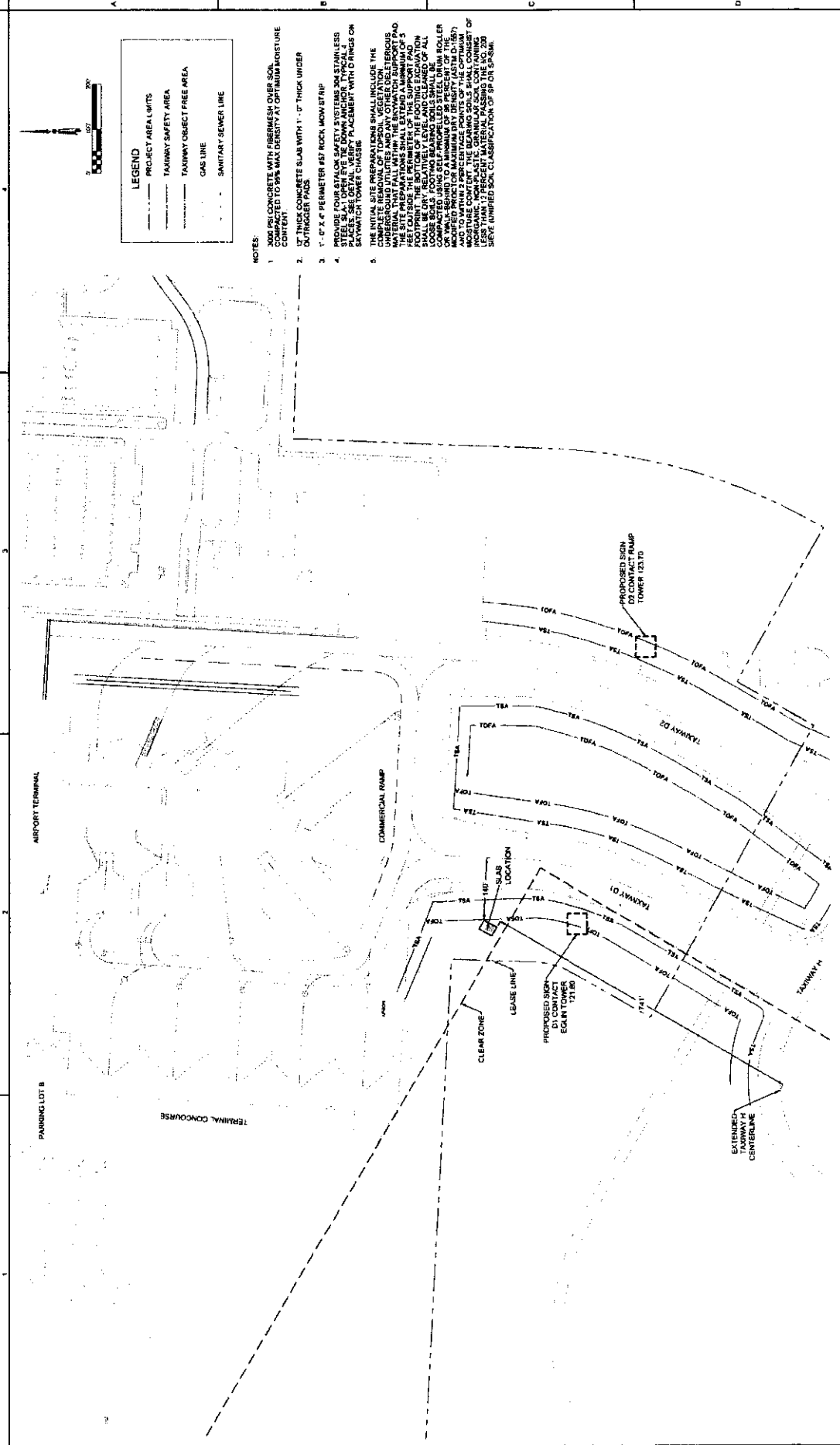
Accepted By

Title

Date

Authorized
Signature _____

This proposal may be withdrawn by us if not accepted
within 30 days.



- NOTES:**
1. ALL CONCRETE AND REBARMENT FOR SIGN CONTACT SHALL BE 30% MAX DENSITY AT OPTIMUM MOISTURE CONTENT.
 2. 12" THICK CONCRETE SLAB WITH 1" - 0" THICK URGER OUTRIGGER PADS.
 3. 1" - 0" X 4" PERIMETER #57 ROCK MOW STRIP.
 4. PROVIDE FOUR STALOK SAFETY SYSTEMS ON STAINLESS STEEL PLATES. USE DETAIL FROM DRAWING WITH CRANES ON SKYWATCH TOWER CHASSIS.
 5. THE INITIAL SITE PREPARATIONS SHALL INCLUDE THE REMOVAL OF ALL EXISTING UTILITIES AND ANY OTHER DESTRUCTIVE MATERIAL THAT FALL WITHIN THE SKYWATCH SUPPORT PAD PERIMETER. ALL UTILITIES SHALL BE DELETED TO A MINIMUM OF 5 FEET OUTSIDE THE PERIMETER OF THE SUPPORT PAD. ALL EXISTING UTILITIES SHALL BE DELETED TO A MINIMUM OF 10 FEET OUTSIDE THE PERIMETER OF THE SUPPORT PAD. ALL EXISTING UTILITIES SHALL BE DELETED TO A MINIMUM OF 10 FEET OUTSIDE THE PERIMETER OF THE SUPPORT PAD. ALL EXISTING UTILITIES SHALL BE DELETED TO A MINIMUM OF 10 FEET OUTSIDE THE PERIMETER OF THE SUPPORT PAD. ALL EXISTING UTILITIES SHALL BE DELETED TO A MINIMUM OF 10 FEET OUTSIDE THE PERIMETER OF THE SUPPORT PAD.

ENGINEER OF RECORD
 JOB NO. 19032004
 DRAWN: NC
 DESIGN: JB
 CHECK: MM
 DATE: MAR 9, 2022
 ISSUE: 204 C.D.

REVISIONS

REV.	DATE	DESCRIPTION

CONTRACT LAYOUT PLAN

RAMP CONTROL TOWER

NOT ISSUED FOR CONSTRUCTION

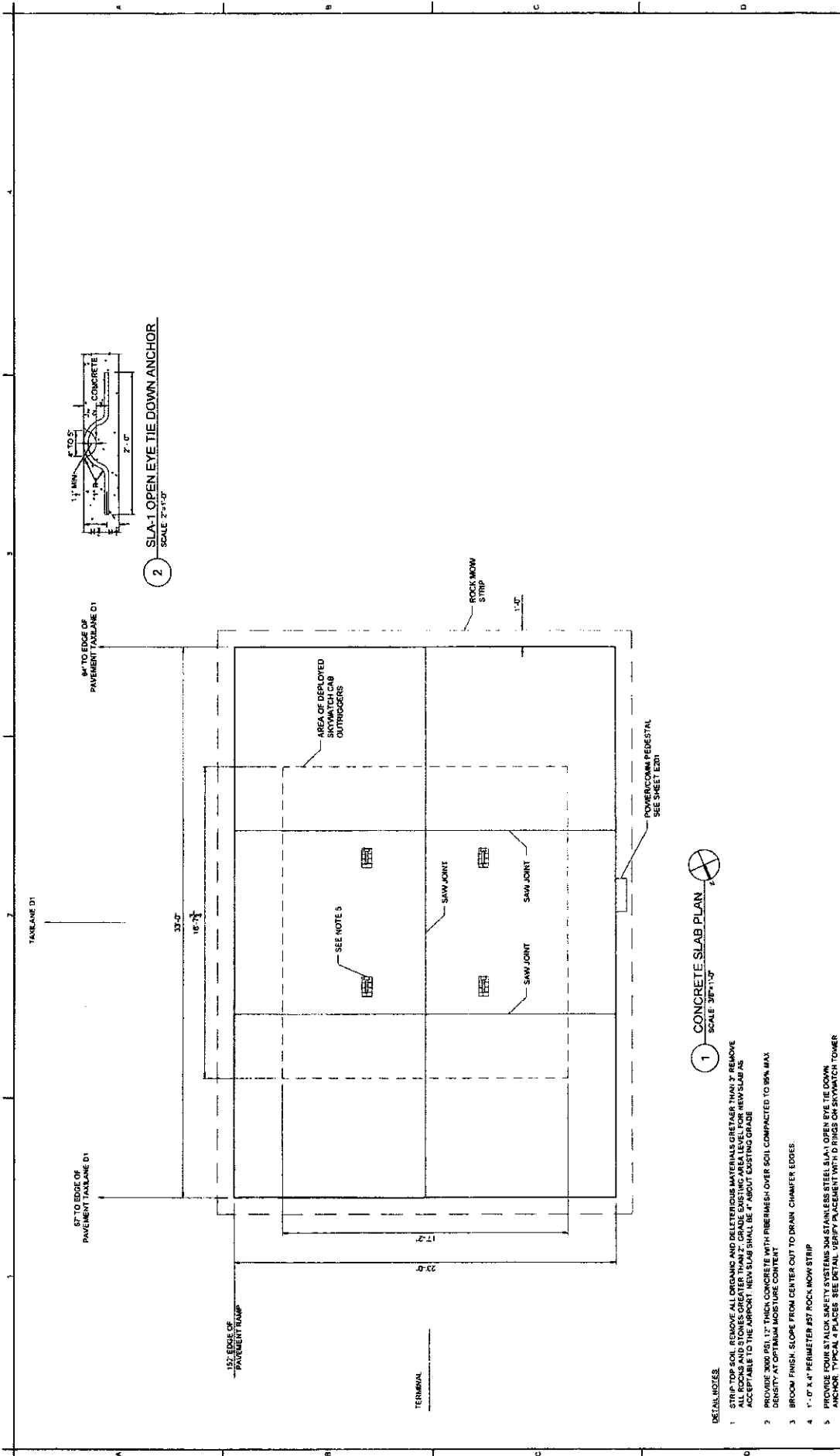
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3845 HORTON & BLVD, STE. 170
 TAMPA, FL 33624
 PHONE: 813-274-5200
 FAX: 813-274-5201

AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.

DESTROY WILTON BEACH AIRPORT
 FLY VPS

DESTROY, FORT WILTON
 BEACH AIRPORT
 1701 STATE RD. 85 N
 EGLIN AFB FL 32447



1 CONCRETE SLAB PLAN
SCALE 3/8"=1'-0"

- DETAIL NOTES**
1. STRIP TOP SOIL. REMOVE ALL ORGANIC AND DELETERIOUS MATERIALS GREATER THAN 3" REMOVE ALL EXISTING CONCRETE AND REINFORCEMENT. NEW SLAB SHALL BE 4" ABOUT EXISTING GRADE ACCEPTABLE TO THE APPROX. NEW SLAB SHALL BE 4" ABOUT EXISTING GRADE.
 2. PROVIDE 40# 1/2" BARS, CONCRETE WITH FIBER MESH OVER SOIL COMPACTED TO 95% MAX DENSITY AT OPTIMUM MOISTURE CONTENT.
 3. BROOM FINISH. SLOPE FROM CENTER OUT TO DRAIN CHAMFER EDGES.
 4. 1" x 4" PERMETER #57 ROCK MOW STRIP
 5. PROVIDE FOUR STATION SAFETY SYSTEMS (SM) STAINLESS STEEL SLA-1 OPEN EYE TIE DOWN ANCHOR TYPICAL 4 PLACES. SEE DETAIL VERIFY PLACEMENT WITH D RINGS ON SKYWATCH TOWER CHASSIS.

<p>AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.</p> <p>2800 HIGHLAND BLVD, STE. 170 TAMPA, FL 33634 PHONE: 813-242-2000 FAX: 813-242-2000</p>		<p>ENGINEER OF RECORD</p> <p>NOBEN CONSULTING, P.C. 1000 N. W. 10th St., Suite 100 Tampa, FL 33603</p>		<p>REV. DATE DESCRIPTION</p>		<p>REVISIONS</p>		<p>DESIGN: JR CHECK: MM DATE: MAR 9, 2022</p>		<p>SCALE: 3/8"=1'-0"</p>		<p>REV. DATE DESCRIPTION</p>		<p>DESIGN: JR CHECK: MM DATE: MAR 9, 2022</p>		<p>SCALE: 3/8"=1'-0"</p>	
<p>CONTRACT NO. 1701 STATE RD 36 N EOLIN AFB FL 3282</p>				<p>PROJECT: RAMP CONTROL TOWER</p>				<p>CLIENT: PORT WILTON BEACH AIRPORT</p>				<p>SLAB PLAN DETAIL</p>					
<p>NOT ISSUED FOR CONSTRUCTION</p>												<p>G101</p>					

GENERAL NOTES.

- THE ELECTRICAL CONTRACTOR SHALL COMPLETE THE FOLLOWING ITEMS AS SHOWN ON ELECTRICAL PLAN SHEETS
 - CONTRACTOR SHALL PROVIDE AND INSTALL NEW ELECTRICAL DISTRIBUTION SYSTEM FOR RAMP CONTROL TOWER. COMPLETE IN PLACE, AS SHOWN ON DRAWINGS
 - CONTRACTOR SHALL PROVIDE AND INSTALL NEW GUIDANCE SIGNAGE, COMPLETE IN PLACE, AS SHOWN ON DRAWINGS
- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO INSTALL THE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR COMPLETION OF THE WORK SHALL BE INCLUDED
- THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, ALL LATEST FEDERAL AVIATION ADMINISTRATION STANDARDS AND ADVISORIES, AND ALL COUNTY BUILDING CODES
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS, AND APPROVALS
- THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE ENGINEER, OWNER, RESIDENT PROJECT REPRESENTATIVE (RPR) AND FAA.
- THE CONTRACTOR SHALL, BEFORE SUBMITTING THEIR BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH ALL LOCAL UTILITIES INCLUDING THE POWER, TELEPHONE, FEDERAL AVIATION ADMINISTRATION, FUEL, PIPE LINES, WATER AND SEWER MAINS AND TO MEET ALL OF THEIR INSTALLATION REQUIREMENTS. ALL LABOR EQUIPMENT AND MATERIALS NECESSARY TO MEET THESE REQUIREMENTS SHALL BE PROVIDED BY THE CONTRACTOR. DELIVER AND INSTALL ALL CONDUITS, PULL BOXES AND EQUIPMENT REQUIRED BY THE UTILITIES TO THEIR SPECIFICATIONS.
- GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 1.08. THE RESISTANCE OF THE GROUNDING SYSTEM SHALL BE MEASURED AND RECORDED. THE GROUNDING SHALL BE LEFT FOR 48 HOURS PRIOR TO TESTING. GROUNDING AND BONDING SHALL NOT BE PAINTED
- AN EQUIPMENT GROUND WIRE SIZED PER NEC SHALL BE PULLED IN ALL 600V ELECTRICAL CONDUITS, POWER AND CONTROL, WHEN THEY OR NOT INDICATED ON DRAWINGS
- ALL EQUIPMENT SHALL BE NEW AND UNISED, U.L. LISTED AND FAA APPROVED
- STOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING EQUIPMENT: BREAKERS, REVESTALS, CONDUITS, CONCRETE CONDUIT/CABLES, GROUNDING CHANNEL, HARDWARE, ENCLOSURES, RECEPICLES AND OTHERS AS INDICATED IN THE SPECIFICATIONS OR REQUESTED BY ENGINEER
- THE CONTRACTOR IS RESPONSIBLE TO TEST ALL SYSTEMS AND REPAIR OR REPLACE ALL DEFECTIVE WORK TO THE SATISFACTION OF THE ENGINEER, RPR AND OWNER.
- ALL EQUIPMENT FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF ENTIRE PROJECT
- COORDINATE ALL ELECTRICAL, EQUIPMENT, LOCATION, AND POWER REQUIREMENTS AND VERIFY ALL OBSTRUCTIONS WITH ALL SUBCONTRACTORS AND EQUIPMENT SUPPLIERS PRIOR TO ANY INSTALLATION
- THE DRAWINGS ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUIT RUNS. THESE ARE TO BE COORDINATED WITH OTHER TRADES SO THAT CONFLICTS ARE AVOIDED PRIOR TO INSTALLATIONS
- AIRFIELD CONDUITORS FOR SIGNAGE CIRCUITS SHALL BE FAA APPROVED 500V / 60A TYPE C CABLE. CONDUITORS FOR PUMP/TOWER EQUIPMENT SHALL BE 600V, NHWY, COUNTERPOISE SHALL BE BARE SOLID COPPER COUNTERPOISE WIRE
- SCHEDULE 40 PVC SHALL BE USED UNDERGROUND. ALL ABOVE GROUND CONDUITS SHALL BE RIGID GALVANIZED STEEL. MINIMUM CONDUIT SIZE SHALL BE 3/4" I.D. WIREPULLING SHALL BE WITNESSED BY THE RPR
- TYPEWRITTEN PANEL SCHEDULES SHALL BE INSTALLED IN EACH PANELBOARD AND TERMINAL BLOCK SCHEDULES IN EACH CONTROL CABINET.
- ALL REFERENCES TO A MANUFACTURER ARE GIVEN ON "FAA APPROVED EQUAL" BASIS
- ALL SPARE CONDUITS SHALL HAVE PULL STRINGS AND BE CAPPED WITH A PVC CAP
- ALL CIRCUITS SHALL BE IDENTIFIED IN PULL BOXES, LIGHTING FIXTURES, MAINHOLES, BASE CANS, DUCT BANKS, AND PANELBOARDS (IDENTIFICATIONS SHALL WATCH PANEL SCHEDULE
- EXPOSED RUNS OF CONDUITS SHALL BE INSTALLED WITH RUNS PARALLEL OR PERPENDICULAR TO WALL. STRUCTURAL METRIC BENDS OR PULL BOXES AS INDICATED ON THE DRAWINGS. BENDS AND OFFSETS SHALL BE AVOIDED WHERE POSSIBLE
- BALANCE ALL LOADS AT END OF PROJECT WITH ALL LIGHTS ON

GENERAL INSTALLATION NOTES.

- INFORMATION PROVIDED ON THE DRAWINGS FOR EXISTING UTILITIES, CABLES, DUCTS, MAINHOLES, FIXTURES, ETC ARE APPROXIMATE AND ARE NOT INTENDED TO PROVIDE EXACT LOCATIONS. TYPE OF COMPONENT OR MANNEER OF CONSTRUCTION AND SHOULD NOT BE ASSUMED. VERIFY ALL INFORMATION AND IDENTIFICATION FOR UTILITIES AND CABLES SHOWN ON DRAWINGS, INCLUDING WITH THE UTILITIES (AND IDENTIFICATION FOR UTILITIES) FOR THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND SATISFY HIMSELF AS TO THE LOCATION OF ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF THE AREA IN CONSTRUCTION. THE CONTRACTOR SHALL REVIEW ALL RECORD DRAWINGS AND BECOME FAMILIAR WITH EXISTING CONDITIONS PRIOR TO ANY CONSTRUCTION. ALL EXISTING UTILITIES, CABLES, EQUIPMENT, DEVICES DESCRIBED IN THE COURSE OF THE CONTRACTOR'S WORK SHALL BE IDENTIFIED AND MEASURED. ANY ITEMS FOUND TO BE LOCATED DIFFERENTLY THAN IS SHOWN ON THE DRAWINGS, THE ACTUAL LOCATION SHALL BE IMMEDIATELY MEASURED AND RECORDED ON THE RECORD DRAWINGS
- VARIOUS CORRECT BURIED FA CABLES PASS THROUGH THE WORK AREA. THESE CABLES SERVE FA FACILITIES (NAVJAGS) WHICH ARE CRITICAL FOR SAFE AIRPORT OPERATION. IT IS OF THE UTMOST IMPORTANCE THAT DAMAGE TO THESE CABLES BE PREVENTED. CABLE LOCATIONS SHOWN ON THE DRAWINGS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND CABLE LOCATIONS FROM THE APPROXIMATE DATA SHOWN ON DRAWINGS. THE CONTRACTOR SHALL KEEP THE RPR INFORMED OF HIS/HER EXCAVATION SCHEDULE AND OPERATIONS AT LEAST FIVE WORKING DAYS IN ADVANCE. THE CONTRACTOR SHALL NOTIFY THE FAA AND OTHER AGENCIES OF ANY EXCAVATIONS IN ADVANCE. THE CONTRACTOR SHALL USE THE FA AND OTHER EVEN AFTER THE CABLES AND UTILITIES ARE STAKED. THE CONTRACTOR SHALL USE ELECTRONIC DETECTION DEVICES AND CAREFULLY HAND EXCAVATE TO LOCATE CABLES AND UTILITIES. AFTER CABLES AND UTILITIES ARE LOCATED, CONTRACTOR SHALL SPECIFY EXACT LOCATION AND DEPTH OF EACH CABLE AND UTILITY. THE CONTRACTOR SHALL BE ACCURATELY MEASURED AND RECORDED ON THE RECORD DRAWING. COPIES OF THIS MEASUREMENT AND RECORDING OF THE DATA SHALL BE CONSIDERED AN IMPORTANT PART OF THE CONTRACT REQUIREMENTS. WHEN ENCLOSING EXISTING FA CABLES IN DUCT OR DIRECTIONALLY WITH THE CONDUIT SYSTEM, THE CONTRACTOR SHALL USE THE MOST APPROPRIATE MATERIALS. ALL UTILITIES ARE IDENTIFIED, DAMAGED, OR APPEARING TO BE SUPERFICIAL, SHALL BE IMMEDIATELY REPORTED TO THE RPR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITY COMPANIES AND FAA TO OBTAIN THE LOCATION OF ALL UNDERGROUND UTILITIES AND/OR CABLES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL ASSIST THE FA/UTILITY COMPANIES IN EFFORTS TO FIELD VERIFY UNDERGROUND SYSTEMS/UTILITIES. THE CONTRACTOR SHALL REVIEW ALL AIRFIELD UTILITIES WITH AIRFIELD MAINTENANCE BEFORE BEGINNING WORK.
- TEMPORARY WIRING SHALL BE REQUIRED TO MAINTAIN ALL AIRFIELD LIGHT SYSTEMS INCLUDING EDGE LIGHTING SYSTEMS, CENTRALS LIGHTING SYSTEMS, NAVJAGS SYSTEMS, GUIDANCE SIGN SYSTEMS, RUNWAY END LIGHT SYSTEMS, AND TAXIWAY LIGHT SYSTEMS. WORK PERIODS, CONTRACTOR SHALL PROVIDE TEMPORARY CABLES DURING CONSTRUCTION FOR TEMPORARY LIGHTS. ALL AIRFIELD SYSTEMS SHALL REMAIN IN OPERATING CONDITION FOR ALL PORTIONS OF THE AIRFIELD WHICH ARE OR COULD BE OPERATED, WHICH SHALL BE TAKEN OUT OF SERVICE WHEN REQUIRED BY CONSTRUCTION SHALL BE RESTORED AT THE EARLIEST POSSIBLE DATE. IT IS NOT PERMISSIBLE TO ALLOW PORTIONS OF EXISTING SYSTEMS EXTENDING BEYOND THE WORK AREA TO BE AFFECTED. TEMPORARY SYSTEMS SHALL BE BEYOND THE WORK AREA CONTINUITY OF ALL AIRFIELD LIGHTING SYSTEMS, ETC. EXTENDING BEYOND THE WORK AREA.
- TEMPORARY CABLE SHALL BE INSTALLED IN CONDUIT AND UNCOATED AT FREQUENT INTERVALS TO PREVENT MOISTURE DAMAGE TO THE CABLES. CABLES SHALL BE INSTALLED IN RIGID GALVANIZED STEEL CONDUIT ANCHORED AT FREQUENT INTERVALS TO PREVENT MOVING. ALL TEMPORARY CABLES SHALL BE CLEARLY LABELED AND MARKED SO AS TO BE IDENTIFIABLE. THE CONTRACTOR SHALL BE OF SIGNIFICANT LENGTH. SEE PUNCH DRAWINGS FOR ADDITIONAL INFORMATION
- PRIOR TO WORKING ON ANY CIRCUIT, THE CONTRACTOR SHALL PROVIDE TO THE ELECTRICAL MAINTENANCE DEPARTMENT SHALL REVIEW AND STATE FINAL LOCKOUT RULES. THE CONTRACTOR SHALL NOT RELY UPON DEACTIVATION OF THE CIRCUITS BY THE TOWER OR BY OTHERS. CONTRACTOR SHALL NOTIFY ELECTRICAL MAINTENANCE 48 HOURS PRIOR TO LOCKOUT/TAGOUT
- THERE SHALL BE NO SPACES OF CONDUCTORS BETWEEN LIGHTS OR IN CONDUITS OR DUCTS. SPACES SHALL BE PERMITTED IN MAINHOLES, JUNCTION BOXES, LIGHT BASES, AND OTHER PLACES WHERE NECESSARY TO PROVIDE CLEARANCES AS SPECIFIED ON THE DRAWINGS. ALL EXPOSED UNARMED BASE CONSTRUCTION RIGID SPACES SHALL BE AT A MINIMUM AND APPROVED BY THE ENGINEER IN THE POWERHOUSE CONDUITS
- CONTRACTOR SHALL IDENTIFY ALL CABLES IN AFFECTED MAINHOLES AND BASE CANS. CONTRACTOR SHALL USE A MINIMUM OF 1.5 STAINLESS STEEL TAG PER CABLE AND 1" TAG ON EACH SIDE OF A 1-2/3 CONNECTOR.

- WHEN CONTRACTOR IS WORKING WITH EXISTING CONDUITS, HE/SHE SHALL REMOVE ALL ABANDONED CABLES WITHIN PROJECT LIMITS AND IDENTIFY ALL ACTIVE CIRCUITS ON RECORD DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL CABLE ROUTING AND CIRCUIT DESIGNATIONS ON THE RECORD DRAWINGS.
- CONTRACTOR SHALL PROVIDE AND INSTALL CONCRETE DUCT/CABLE MARKERS AS PER FAA SPECIFICATIONS. CONTRACTOR SHALL MARK THE LOCATION OF ALL NEW DUCT BANKS WITH CONCRETE DUCT MARKERS IN UNPAVED AREAS SPACED NOT MORE THAN 300' APART AND WITH PAINTED MARKINGS AT THE EDGE OF PAVED AREAS.
- CONTRACTOR SHALL PROVIDE ALL CONNECTOR KITS, TESTING, STAINLESS TAGS, AND ALL ACCESSORIES THAT WILL ALLOW FOR QUALITY ASSURANCE OF SUCCESSFULLY DISCONNECTING AND RECONNECTING CIRCUITS
- ALL IDENTIFICATION OF CONTROL PANEL INSTALLATIONS, CONSTANT CURRENT REGULATORS, BREAKER LABELS, ETC SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL RECORD ALL CALLOUT CHANGES ON THE RECORD DRAWINGS FOR THIS PROJECT
- NAMEPLATES SHALL BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT TO IDENTIFY FUNCTION, CIRCUIT, VOLTAGE, AND PHASE. WHERE EQUIPMENT CONTAINS FUSES, INCLUDE THE FUSE RATING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL CABLES AND UTILITIES, THEIR DEPTHS, ETC INCLUDING THE USE OF SOFT DIC, GROUND PENETRATING RADAR OR OTHER METHODS TO IDENTIFY LOCATIONS OF ALL CABLES AND UTILITIES. THE CONTRACTOR SHALL STAKE THESE CABLES AND UTILITIES ON RECORD DRAWINGS PRIOR TO CONSTRUCTION
- ALL EXISTING CONDUITORS SHALL BE TESTED FOR INSULATION RESISTANCE PRIOR TO WORKING ON CIRCUITS USING INSULATION RESISTANCE READINGS ALL PROPOSED CONDUITS SHALL BE TESTED FOR INSULATION RESISTANCE PRIOR TO CONNECTING TO EXISTING CIRCUIT. USING A 1000V MEGOHMMETER. CIRCUITS OR NEW PORTIONS OF CIRCUITS SHALL BE AS COMPLETE AS POSSIBLE FOR TESTING. ALL TESTING SHALL BE WITNESSED BY THE RPR AND REPORT TURNED OVER TO OWNER
- CONNECTION OF CONDUITORS MUST BE MADE BY USING CRIMP CONNECTORS AND CRIMPING TOOL APPROVED BY THE CONNECTOR MANUFACTURER. THE TOOL MUST BE LISTED BY THE LISTED KIT MANUFACTURER. THE LISTED KIT MANUFACTURER MAKE THE NUMBER AND TYPE OF CRIMPS PER KIT. MANUFACTURER'S INSTRUCTIONS ELECTRICIANS THAT WILL BE MAKING CONNECTOR KIT TERMINATIONS SHALL BE TRAINED AND CERTIFIED BY THE CONNECTOR KIT MANUFACTURER
- THE OWNER SHALL HAVE THE RIGHT TO SALVAGE MATERIALS THAT ARE TO BE REMOVED IN THE DEMOLITION PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO DEMOLITION AND DELIVER SALVAGE MATERIAL TO THE APPROPRIATE ELECTRICAL MAINTENANCE
- ALL BOLTS FOR LIGHT FIXTURES, SIGNS, JUNCTION CANS SHALL BE CARBON STEEL COATED COLOR ORANGE AND INSTALLED PER FAA ENGINEERING BRIEF #3 AND MANUFACTURER'S RECOMMENDATIONS
- ALL BOLTS FOR LIGHT FIXTURES, SIGNS AND JUNCTION CANS SHALL BE FLUOROPOLYMER METAL-CERAMIC COATED SAE J429 GRADE 2 CARBON STEEL BOLTS PER FAA ENGINEERING BRIEF #1 AND MET FA REQUIREMENTS. BOLTS COATING SHALL BE ORANGE METAL-CERAMIC COATING WITH A MINIMUM OF 0.75 INCH BEYOND MACHINED THREAD SYSTEM THE BOLTS SHALL HAVE ENOUGH THREAD LENGTH SO THEY DO NOT SHOULDER OUT BEFORE THE COVER IS SECURELY TIGHTENED
- CONTRACTOR SHALL INSTALL NEW CARBON STEEL COATED BOLTS COLORED ORANGE IN ALL EXISTING LIGHT BASE CANS, SIGN CANS, JUNCTION CANS, JUNCTION CAN PLAZAS AND ETC. THAT THE CONTRACTOR UTILIZES TO INSTALL CABLE. ADDITIONALLY, THE CONTRACTOR SHALL BE INCIDENTAL TO THE LINE ITEMS FOR INSTALLATION/INTERCEPTION
- CONTRACTOR TO USE LOCITTE LAMBD MARINE GRADE ANTI-SEIZE OR APPROVED EQUAL ON COUPLINGS AND ANY APPLICATION WHERE ANTI-SEIZE IS REQUIRED
- AFTER LEVELING, THE CONTRACTOR SHALL ADJUST THE ASYMMETRIC LENS OF EACH OPTICAL SYSTEM SO THAT THE TWO CONCENTRATED BEAMS OF LIGHT SHINE UP AND DOWN THE SIDEWALKS OR TAXIWAY. FINAL ADJUSTMENT OF ASYMMETRIC LENSES SHALL BE MADE AT NIGHT AND SHALL BE TO THE SATISFACTION OF THE RPR
- THE FINISHED PAVEMENT SURFACE SHALL BE PROTECTED FROM FOREIGN SUBSTANCES WHICH COULD CAUSE STAINING, IE. ON P-208 JOINT SEALING FILLER ETC. THE CONTRACTOR SHALL IMMEDIATELY CLEAN ALL SPILLS AND CORRECT/CLEAN ANY STAINED SURFACES AT THE CONTRACTOR'S EXPENSE

QUANTUM
INFRASTRUCTURE DEVELOPMENT, INC.
14000 SW 10th Ave., Suite 201
Davie, FL 33317
(954) 945-8800

JAMES W. HODGES, P.E.
FL P.E. #11493

REV. NO.	DATE	DESCRIPTION

DESTIN FORT WILKINSON AIRFIELD
FLY 9/5
DESTIN FORT WILKINSON AIRFIELD

DESTIN FORT WILKINSON
1701 STATE RD. 15 N
GULF BLM AFB FL 32542

AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.

3875 NORTHWALK BLVD, STE. 110
GULF BLM AFB, FL 32542
OFFICE: (904) 222-0200
PHONE: (904) 222-0200
FAX: (904) 222-0200

ELECTRICAL GENERAL NOTES

E001

RAMP CONTROL TOWER

NOT ISSUED FOR CONSTRUCTION

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	NEW DIRECT BURIED SCHEDULE 40 PVC CONDUIT INSTALLED IN EARTH. COUNTERPOISE SHALL BE INSTALLED ABOVE CONDUIT PER DETAIL. SEE PLANS FOR AMOUNT/SIZE AND LOCATION OF CONDUITS.
	NEW 1/2" SCHEDULE 2 LEO AIRFIELD GUIDANCE SIGN AND NEW CONCRETE BASE INSTALLED IN EARTH. SEE SIGN SCHEDULE FOR ADDITIONAL INFORMATION.
	NEW RAMP TOWER POWER PEDESTAL. COMPLETE. SEE DETAIL FOR ADDITIONAL INFORMATION. X = SERVICE POINT DISTRIBUTION PANEL IDENTIFICATION Y, Z = CIRCUIT BREAKER BRANCH NUMBERS
	NEW COMMUNICATION PEDESTAL. REFER TO DETAILS.
	NEW 3/4" x 20 MIN GROUND ROD. EXOTHERMICALLY WELDED AND CONNECTED TO COUNTERPOISE SYSTEM.
	F INDICATES QUANTITY OF CONDUCTORS. X INDICATES CIRCUIT ID. 1C INDICATES QUANTITY OF #6 SOLID COUNTERPOISE. 1WZ INDICATES 1 CONDUIT OF "Z" SIZE. 2 INDICATES CONDUIT SIZE (INCHES). CONDUITS PAID PER LINEAR FOOT OF "Z" INSTALLED.
	#X "X" INDICATES QUANTITY OF CONDUCTORS. "Z" INDICATES CIRCUIT ID. CONDUITS PAID PER LINEAR FOOT OF "Z" INSTALLED. CONDUITS CONDUCTOR IS PAID PER LINEAR FOOT TIMES "Z" INSTALLED.
	SEE INSTALLATION NOTES. #X INDICATES THE NOTE NUMBER. Y, Z INDICATES THE QUANTITY OF NOTES PER LOCATION.
	SEE INSTALLATION NOTES. #X INDICATES THE NOTE NUMBER. Y, Z INDICATES THE QUANTITY OF NOTES PER LOCATION.
	DEMOLISH OR MODIFY.
	EXISTING DEPARTMENT OF AIRPORT AIRFIELD DUCT BANK.
	EXISTING FAA UNDERGROUND CABLE/CONDUIT SYSTEM.
	EXISTING TAXIWAY OBJECT FREE AREA.
	EXISTING RUNWAY SAFETY AREA.
	EXISTING TAXIWAY SAFETY AREA.
	EXISTING OBJECT FREE AREA.
	EXISTING ELEVATED TAXIWAY EDGE LIGHT.
	EXISTING CONDUIT.
	EXISTING PEDESTAL.
	EXISTING APPROACH LIGHT.
	EXISTING AIRFIELD GUIDANCE SIGN. #X INDICATES SIGN NUMBER.

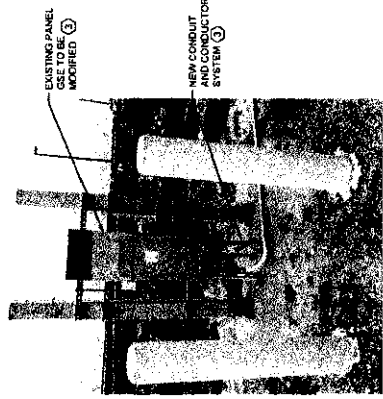
CIRCUIT IDENTIFICATION

CIRCUIT ID	TYPE OF CABLE	CABLE ID COLOR
1-1 TAXIWAY A	1/2" LEO 5KV CABLE	BROWN
2-1 TAXIWAY A	1/2" LEO 5KV CABLE	RED, WHITE, GREEN
3-1 TAXIWAY A	1/2" LEO 5KV CABLE	BLACK, WHITE, GREEN
CONDUIT ONLY	CONDUIT ONLY	BLACK, WHITE, GREEN

NOTE: PROVIDE AND INSTALL COLORED PHASE TAPE (IN ELECTRICAL MW) ON CABLES LOCATED IN EACH BASE CAN. JUNCTION CAN MANHOLE/JUNCTION CAN SHALL BE AS NOTED IN THE SCHEDULE ABOVE (CABLE ID COLOR). PROVIDE 1/2" WIDE TAPE WITH A MINIMUM OF 4 LAPS. THERE SHALL BE A MINIMUM OF ONE COLORED TAPE PER CABLE WHEN NO CONNECTOR KITS ARE PRESENT. WHEN CONNECTOR KITS ARE PRESENT, THERE SHALL BE ONE COLORED TAPE ON EACH CABLE END.

INSTALLATION NOTES:

- CONTRACTOR SHALL HAND EXCAVATE, CORE DRILL THE EXISTING JUNCTION CHAMBER CAN AND PROVIDE AND INSTALL NEW CONDUIT AND CONDUCTOR SYSTEM, COMPLETE SEAL, PATCH AND REPAIR JUNCTION CHAMBER CAN, BACKFILL AND SOO ACCORDINGLY AND MAKE ALL NECESSARY CONNECTIONS FOR A COMPLETE WORKING SYSTEM IN PLACE.
- CONTRACTOR SHALL IDENTIFY AND INTERCEPT THE EXISTING CIRCUIT CONDUCTORS IN THE EXISTING BASE CAN/MANHOLE/JUNCTION CAN AND PROVIDE AND INSTALL NEW SPIDE KITS AND CONNECTOR KITS ACCORDINGLY. MAKE ALL NECESSARY CONNECTIONS FOR A COMPLETE WORKING SYSTEM IN PLACE.
- CONTRACTOR SHALL MODIFY THE EXISTING GSE POWER PEDESTAL AND PROVIDE AND INSTALL NEW CONDUIT AND CONDUCTOR SYSTEM TO NEW RAMP TOWER POSITION TO RIGID GALVANIZED STEEL CONDUIT BELOW GRADE. PROVIDE AND INSTALL NEW CONDUIT BELOW GRADE TO 6" ABOVE GRADE. PROVIDE 2 COATS OF BITUMASTIC FOR ALL STEEL CONDUIT BELOW GRADE TO 6" ABOVE GRADE. PROVIDE AND INSTALL NEW CIRCUIT BREAKER IN EXISTING PANEL GSE AND MAKE ALL CONNECTIONS FOR A COMPLETE WORKING SYSTEM IN PLACE.
- CONTRACTOR SHALL HAND EXCAVATE AND INTERCEPT THE EXISTING COMMUNICATION PULL BOX AND PROVIDE AND INSTALL NEW CONDUIT SYSTEM TO NEW RAMP TOWER COMMUNICATION PEDESTAL, BACKFILL AND SOO ACCORDINGLY.



ELECTRICAL LEGEND AND NOTES

RAMP CONTROL TOWER

E002

NOT ISSUED FOR CONSTRUCTION



REV	DATE	DESCRIPTION	REVISIONS

JOB NO	UPR2004	ENGINEER OF RECORD

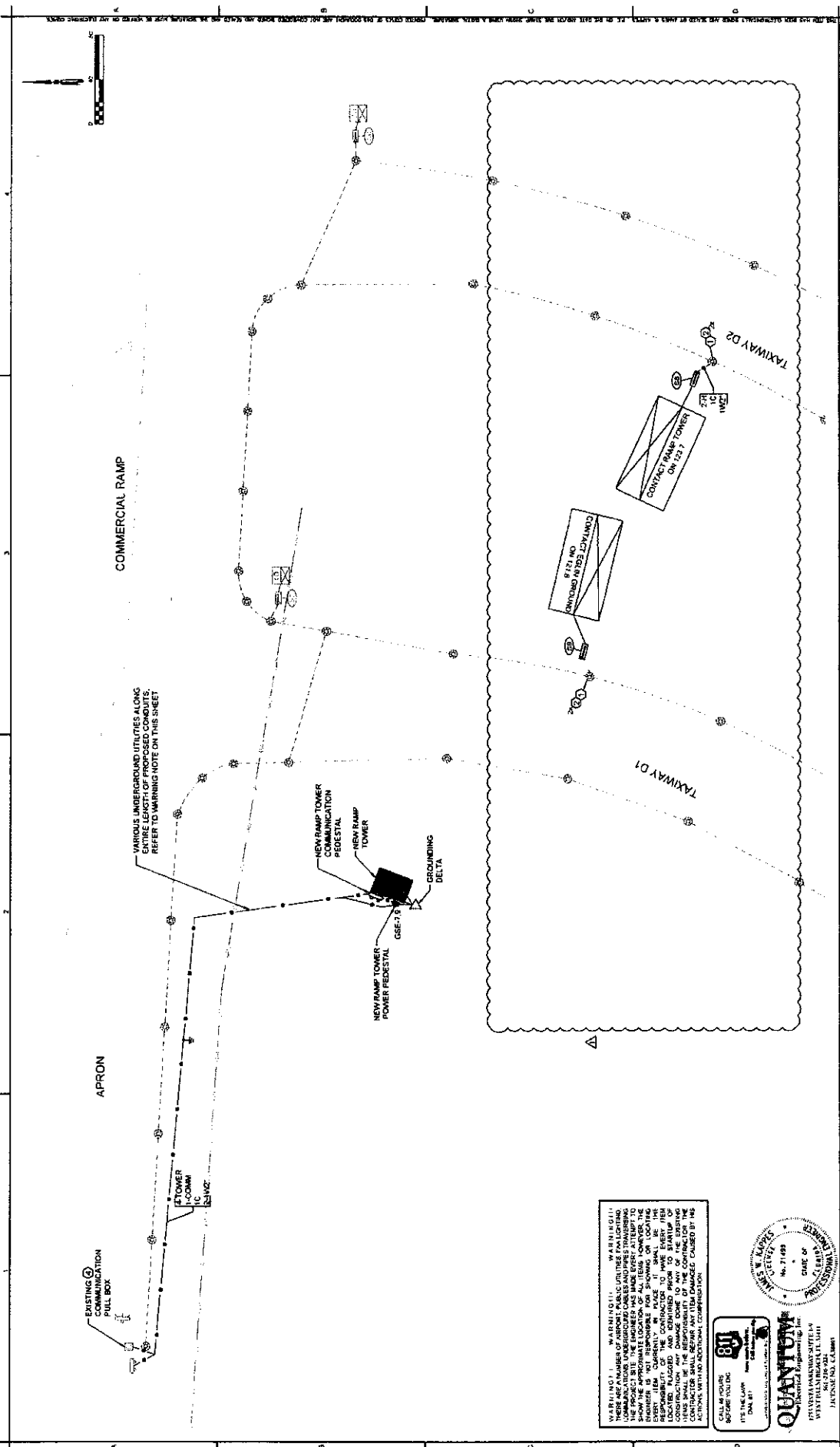
QUANTUM
 Registered Engineers, Inc.
 4125-202
 14000 W. STATE ST. #100
 FORT WORTH, TEXAS 76134

AID
 AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.

810 MONTICELLO BLVD. STE 170
 FORT WORTH, TEXAS 76114-2200
 PHONE: 817-332-2200
 PERMITS DIV. OF AUTHORITY: 0873

JAMES W. MADPREE, P.E.
 DATE: MAR. 31, 2022
 ISSUE: 100% C.D.

DESTIN - FORT WATSON BEACH AIRPORT
 PROJECT NUMBER: E002
 DATE: MAR 16, 2024



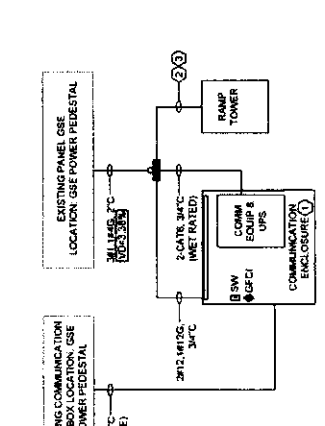
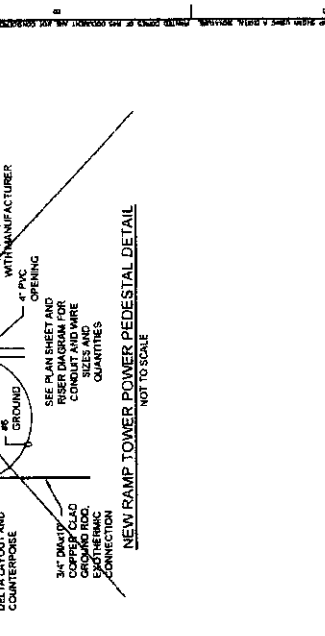
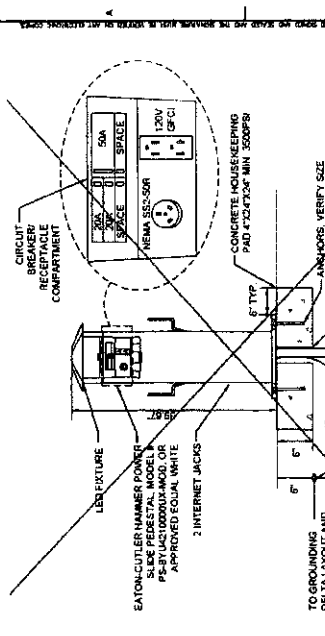
<p>DESTIN - FORT WATSON BEACH AIRPORT FL STATE ID: 451N COUNTY: FL 1504N</p>		<p>REVISIONS</p>	
REV.	DATE	DESCRIPTION	BY
1	03/21/2021	STANDARD REVISION NO. 1	JM
<p>ENGINEER OF RECORD</p>		<p>JAMES W. MADRIS, P.E. FL P.E. #71499</p>	
JOB NO.	VPR2004	DATE	MAR 21, 2021
DESIGN	AWK	CHECK	AWK
DATE	MAR 21, 2021	ISSUE	100% C.D.
<p>3811 HORIZONTALS BLVD., STE. 170 ORLANDO, FL 32839 Phone: 407.224.2220 Florida Certificate of Authorization #2731</p>		<p>FLY VIPS FLY VIPS FLY VIPS</p>	
<p>AID AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.</p>		<p>QUANTUM PHYSICAL ENGINEERING, INC. 18120 W. UNIVERSITY BLVD., SUITE 200 DADE COUNTY, FL 33160 TEL: 305.444.1111 WWW.QUANTUMPHYSICAL.COM</p>	

ELECTRICAL SITE PLAN
E100

RAMP CONTROL TOWER
NOT RELEVANT FOR CONSTRUCTION

WARNING!!! WARNING!!!
THESE ARE PLANS OF AN AIRPORT. PUBLIC UTILITIES PAINTING OR
OTHER MARKING AT THE PROJECT SITE. THE ENGINEER HAS MADE EVERY ATTEMPT TO
SHOW THE PROPOSED UTILITIES AND TO IDENTIFY ANY EXISTING UTILITIES. THE
ENGINEER HAS CURRENTLY MADE EVERY ATTEMPT TO IDENTIFY ANY EXISTING UTILITIES.
EVERY ITEM CURRENTLY IN PLACE IT SHALL BE THE RESPONSIBILITY OF THE
CONTRACTOR TO LOCATE, FLAGGED AND IDENTIFIED PRIOR TO STARTUP OF
CONSTRUCTION AND DAMAGE DONE TO ANY OF THE EXISTING UTILITIES.
CONTRACTOR SHALL REPAIR ANY ITEM DAMAGE CAUSED BY THE
ACTS OF THE CONTRACTOR WITHIN THE CONTRACT PERIOD.

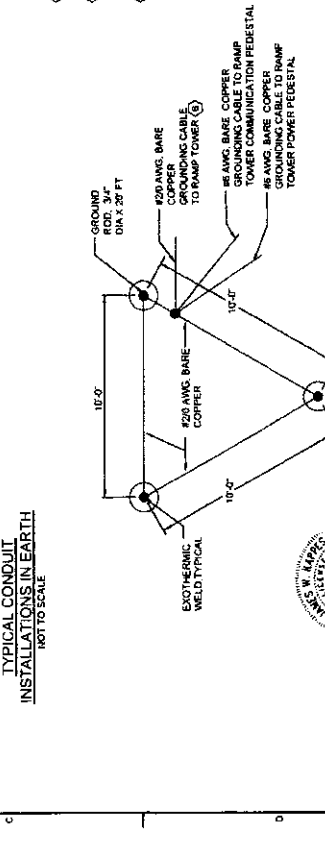
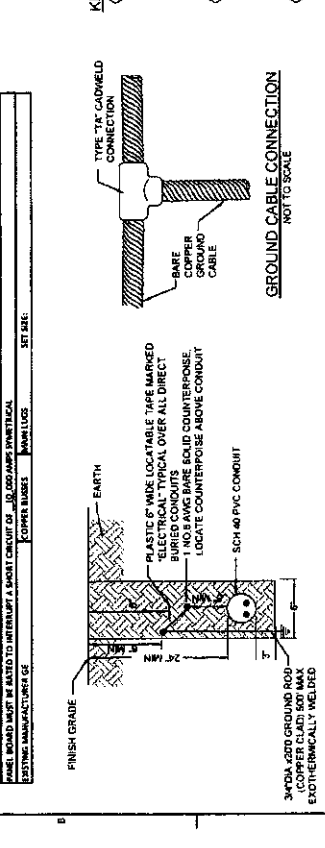




KEY NOTED

- CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 24\"/>

NO.	DATE	BY	DESCRIPTION
1	03/11/2023	JAMES W. JONES	ISSUED FOR PERMIT
2	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
3	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
4	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
5	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
6	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
7	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
8	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
9	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
10	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
11	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
12	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
13	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
14	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
15	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
16	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
17	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
18	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
19	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS
20	03/11/2023	JAMES W. JONES	REVISED PER COMMENTS



QUANTUM
 PROFESSIONAL ENGINEERING
 1745 W. PALM BLVD. SUITE 100
 WEST PALM BEACH, FL 33411
 TEL: 561.832.1234

REVISIONS

REV.	DATE	DESCRIPTION
1	03/11/2023	ISSUED FOR PERMIT
2	03/11/2023	REVISED PER COMMENTS
3	03/11/2023	REVISED PER COMMENTS
4	03/11/2023	REVISED PER COMMENTS
5	03/11/2023	REVISED PER COMMENTS
6	03/11/2023	REVISED PER COMMENTS
7	03/11/2023	REVISED PER COMMENTS
8	03/11/2023	REVISED PER COMMENTS
9	03/11/2023	REVISED PER COMMENTS
10	03/11/2023	REVISED PER COMMENTS

ENGINEER OF RECORD JOB NO. 1745-2023-004
 DRAWN: JWK
 DESIGN: JWK
 CHECK: ALC
 DATE: MAY 31, 2023
 ISSUED: JAMES W. JONES, P.E.
 DATE: 03/11/2023
 100% C.D.

**3100 INTERNATIONAL BLVD. STE. 110
 TAMPA, FL 33604
 OFFICE: 813.747.5000
 PHONE: 813.747.5000**

AID AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.

ELECTRICAL DETAILS

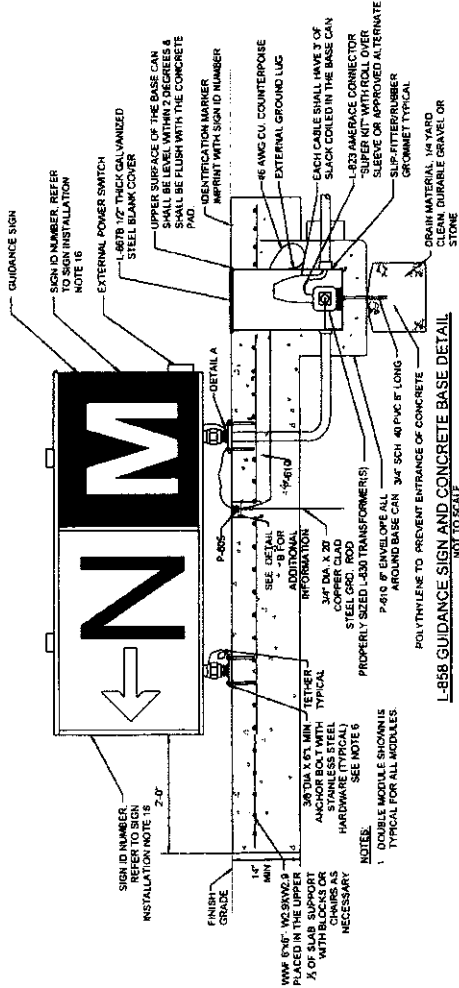
RAMP CONTROL TOWER

E201

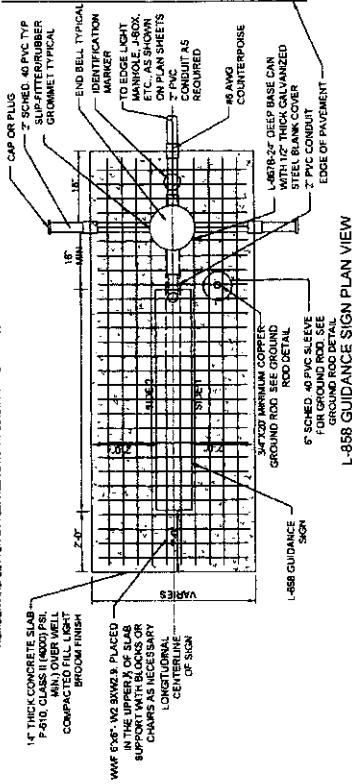
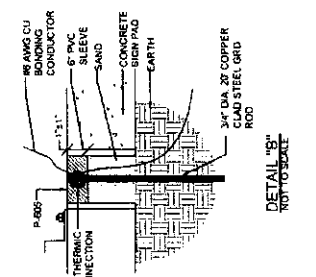
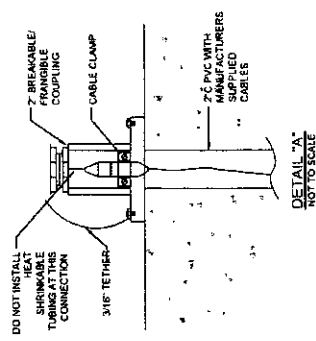
NOT ISSUED FOR CONSTRUCTION

SIGN INSTALLATION NOTES

1. ALL MATERIALS, SIGN BASE DETAILS, ETC. SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL
2. THE CONCRETE SHALL COMPLY WITH PARO SPECIFICATION, CLASS II
3. #5.0 CONCRETE STEEL REINFORCEMENT SHALL BE TYPE ASTM A638. ALL REINFORCEMENTS SHALL HAVE A 7' ANCHOR CONCRETE COVER REINFORCEMENT MAY BE ADJUSTED TO AVOID INTERFERENCES
4. FOR LOCATION AND ORIENTATION OF SIGN AND FOUNDATION SEE PLANS
5. THE ORIENTATION, INSTALLATION AND DEPTH OF THE 2" CONDUIT FOR SIGN CIRCUITS SHALL BE COORDINATED WITH THE PLANS ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS
6. METHODS OF SIGN INSTALLATION INCLUDING BOLT PATTERNS, ANCHOR METHODS AND ATTACHMENT DETAILS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS
7. ALL SIGNS SHALL BE INSTALLED WITH TETHERS ON A MINIMUM OF 2 LEGS PER SIGN. TETHERS SHALL BE 3/16" STAINLESS STEEL AIRPORT CABLE WITH A FORMED EYE ON BOTH ENDS. THE TETHER SHALL BE SUFFICIENT LENGTH TO HAVE 7' LACK (MIN) WHEN ATTACHED BETWEEN SIGN AND THE FIXTURE PLATE
8. SIDE VIEW, PLAN VIEW, GRADE AND FILL DETAILS AND DETAILS A AND B ARE TYPICAL FOR SIGNS
9. ALL CONDUIT SHALL BE 2" SCHEDULE 40 PVC UNLESS NOTED OTHERWISE
10. THE CONTRACTOR SHALL VERIFY THAT THE 6" SLEEVE IS LARGE ENOUGH TO ACCOMMODATE THE EXOTHERMIC CONNECTION. THE TOP OF THE GROUND ROD SHALL BE FLUSH WITH THE TOP OF THE SLAB. THE GROUND ROD SHALL NOT BE DRIVEN AFTER THE GROUND CONNECTION HAS BEEN MADE
11. SIGN LOCATIONS INDICATED ON THE PLANS ARE 20' MIN TO 35' MAX PERPENDICULAR DISTANCE FROM THE TAXIWAY/RUNWAY EDGE STRIKE TO THE NEAREST SIDE OF THE SIGN AS PER SPECIFICATION AC9085AC-18C. SIGNS SHALL BE STAKED IN THE FIELD. ORIENTATION AND LOCATION SHALL BE APPROVED BY THE PRIOR TO INSTALLATION
12. THE SIGN TETHER AND BONDING CONDUCTOR SHALL NOT BE ATTACHED AT THE SAME ANCHOR BOLT AN APPROVED MECHANICAL OR BONDING CONDUCTOR SHALL BE USED TO CONNECT THE BONDING CONDUCTOR TO THE SIGN FLANGE AND SIGN. THE TETHERS AND BONDING CONDUCTORS SHALL BE OF THE SAME TENSILE STRENGTH TO ALLOW THE FRANGIBLE COUPLING TO OPERATE WITHOUT RESTRICTIONS AND TO ALLOW THE CABLE TO UNPLUG IF THE SIGN FALLS OVER.
13. STRUCTURAL FILL FOR SIGN CONCRETE FOUNDATION PADS SHALL BE FREE-DRAINING, AS APPROVED BY THE ENGINEER. SHALL BE PLACED IN HORIZONTAL LIFTS NOT TO EXCEED 2' IN THICKNESS AND TO BE COMPACTED TO 95% RELATIVE DENSITY. THE SIGN BODILY SLOPE SHALL NOT EXCEED 1:20 WITHOUT PERMISSION OF THE ENGINEER
14. ALL AREAS FOR THE LEG FLANGE PLATES SHALL BE IN THE SAME PLANE
15. MINIMUM BURIAL DEPTH OF 2" SCHEDULE 40 PVC CONDUIT IS 24"
16. PROVIDE 3/4" SCOTCH-LITE OR APPROVED EQUIVALENT 3/4" THICK ONE DAY LABELS FOR EACH SIGN. LABELS SHALL BE REFLECTIVE AND WEAR RESISTANT. PROVIDE 3/4" THICK ONE DAY EXTERIOR APPROPRIATE LABELS SHALL BE IN BLACK SURFACE. BLACK FOR INSTALLATION ON OTHER SURFACES. TEXT SHALL BE NUMBER AND LETTER STYLE, HELVETICA MEDIUM, UPPER CASE, 3 INCHES IN HEIGHT



L-858 GUIDANCE SIGN AND CONCRETE BASE DETAIL
NOT TO SCALE



L-858 GUIDANCE SIGN PLAN VIEW
NOT TO SCALE



QUANTUM
INFRASTRUCTURE DEVELOPMENT, INC.
250 VIA PALMWAY SUITE 100
GULF BREEZE, FL 32561
FLORIDA LICENSE NO. 12453
LICENSING BOARD

AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.
3800 INTERNATIONAL BLVD. STE. 170
TAMPA, FL 33629
OFFICE: 813-932-2000
FAX: 813-932-2001
www.quantuminfra.com

REV.	DATE	DESCRIPTION	BY	CHKD.	APP'D.
1	03/11/2022	REVISION NO. 1	JMK	JMK	AJC

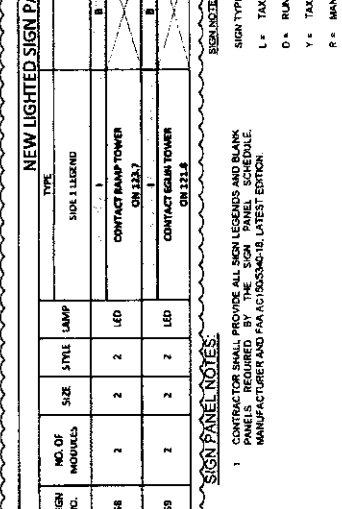
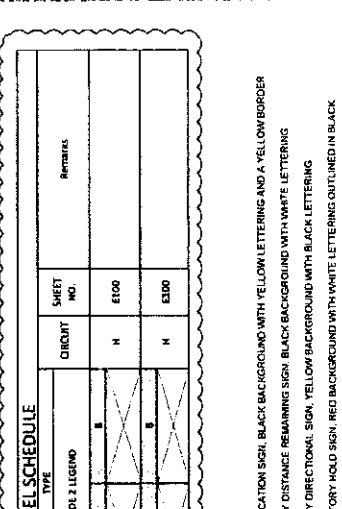
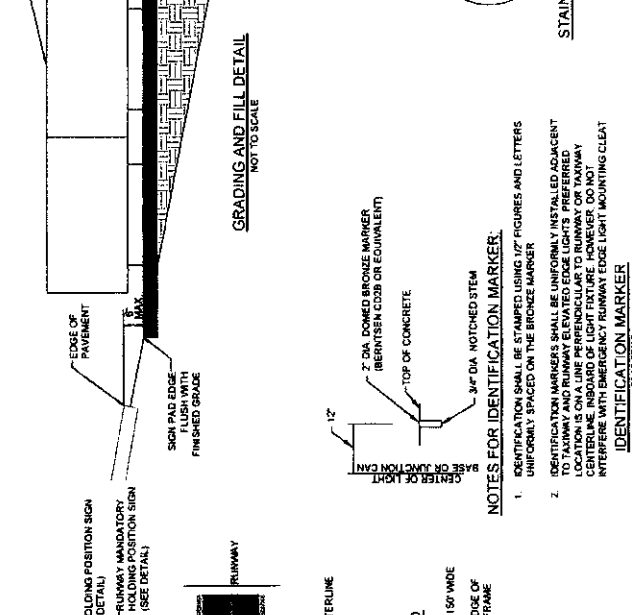
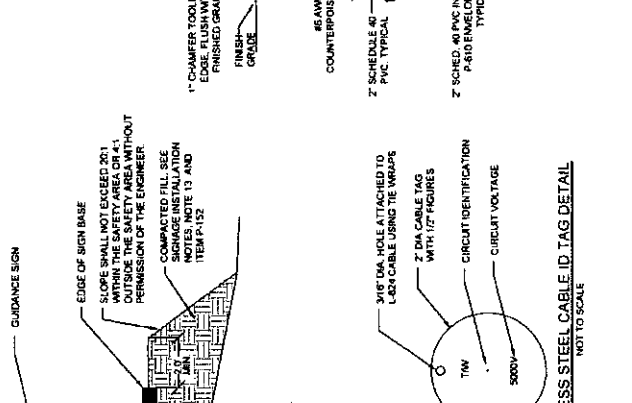
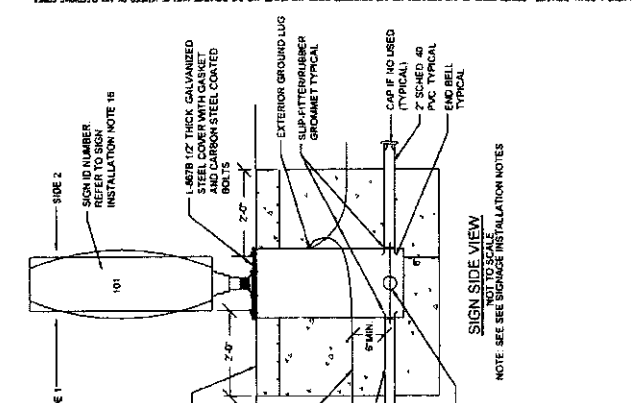
JOB NO.	DESCRIPTION	DATE	SCALE
100000000	DESTIN, FORT WALTON BEACH AIRPORT	MAR. 31, 2022	100% C.D.



DESTIN, FORT WALTON BEACH AIRPORT
1701 STATE RD. 85 N
GULF BREEZE, FL 32564

RAMP CONTROL TOWER
NOT ISSUED FOR CONSTRUCTION

ELECTRICAL DETAILS
E202



- SIGN TYPES**
- L = TAXI LOCATION SIGN, BLACK BACKGROUND WITH YELLOW LETTERING AND A YELLOW BORDER
 - D = RUNWAY DISTANCE REMAINING SIGN, BLACK BACKGROUND WITH WHITE LETTERING
 - Y = TAXIWAY DIRECTIONAL SIGN, YELLOW BACKGROUND WITH BLACK LETTERING
 - P = MANDATORY HOLD SIGN, RED BACKGROUND WITH WHITE LETTERING OUTLINED IN BLACK
 - I = INFORMATIONAL SIGN WITH YELLOW BACKGROUND WITH BLACK LETTERING
 - B = BLANK, BLACK

SIGN PANEL NOTES

- CONTRACTOR SHALL PROVIDE ALL SIGN LEGENDS AND BLANK PANELS REQUIRED BY THE 'SIGN PANEL SCHEDULE' MANUFACTURER AND FAA AC 150/5340-1B, LATEST EDITION.

GUIDANCE SIGN TYPICAL OFFSET AND POSITIONS

EXAMPLE OF A PERPENDICULAR TAXIWAY CONNECTOR LESS THAN 150' WIDE

NOTE - OFFSET DISTANCE FROM SIGN EDGE (OUTSIDE EDGE OF OUTBOARD STRIPS) TO THE NEAREST EDGE OF THE GUIDANCE SIGN FRAME IS SIZE 2 SIGN * 30

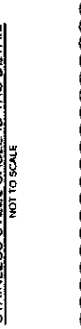
SIGN LAYOUT AND OFFSET NOTES

- MANDATORY HOLDING POSITION SIGNS AND ITS POSITION SIGNS ARE LOCATED IN-LINE WITH THE FIRST POSITION SIGN. THE DISTANCE FROM THE SIGN TO THE HOLDING POSITION SIGN SHALL BE THE DISTANCE FROM THE 97'-10" T FARHER AWAY FROM HOLD POSITION MARKING. SEE FAA AC 150/5340-1B, LATEST EDITION.
- RUNWAY EXIT SIGNS AND TAXIWAY GUIDANCE SIGNS SHALL BE TYPICALLY LOCATED 15' PRIOR TO THE POINT OF TANGENCY (PT) INTERSECTION POINT (IP). SEE GEOMETRY PLANS FOR P/TIP LOCATIONS. ALL SIGNS SHALL BE TYPICALLY LOCATED 15' PRIOR TO INSTALLATION LOCATION APPROVED BY AIRC PRIOR TO INSTALLATION.
- ALL SIZE 2 SIGNS SHALL BE INSTALLED AT 30' FROM THE EDGE OF THE SIGN FRAME. IF A SIGN CANNOT BE INSTALLED AT ITS STANDARD LOCATION DUE TO AN OBSTRUCTION, A TOLERANCE OF 20 TO 35 FEET FROM THE STANDARD LOCATION SHALL BE ALLOWED. THE EDGE OF THE GUIDANCE SIGN FRAME IS ALLOWED AS STATED IN FAA AC 150/5340-1B LATEST EDITION.

NOTES FOR IDENTIFICATION MARKER.

- IDENTIFICATION SHALL BE STAMPED USING 1/2" FIGURES AND LETTERS UNIFORMALLY SPACED ON THE BRONZE MARKER.
- IDENTIFICATION MARKERS SHALL BE UNIFORMALLY INSTALLED ADJACENT TO TAXIWAY AND RUNWAY ELEVATED EDGE LIGHTS. PREFERRED LOCATION IS ON A LINE PERPENDICULAR TO RUNWAY OR TAXIWAY CENTERLINE. INBOARD OF LIGHT FIXTURE. HOWEVER, DO NOT INTERFERE WITH EMERGENCY RUNWAY EDGE LIGHT MOUNTING CLEARANCE.

STAINLESS STEEL CABLE ID TAG DETAIL



ELECTRICAL DETAILS

RAMP CONTROL TOWER

NOT ISSUED FOR CONSTRUCTION



QUANTUM Infrastructure Technologies, Inc.
 3616 W. JACKSON ST. SUITE 200
 WASHINGTON, DC 20007
 (703) 880-7700
 www.quantuminfra.com

AID AMERICAN INFRASTRUCTURE DEVELOPMENT, INC.
 810 MARIONVILLE BLVD. STE. 170
 TAMPA, FL 33606
 (813) 244-0100
 Florida Cert. of Authorization #23731

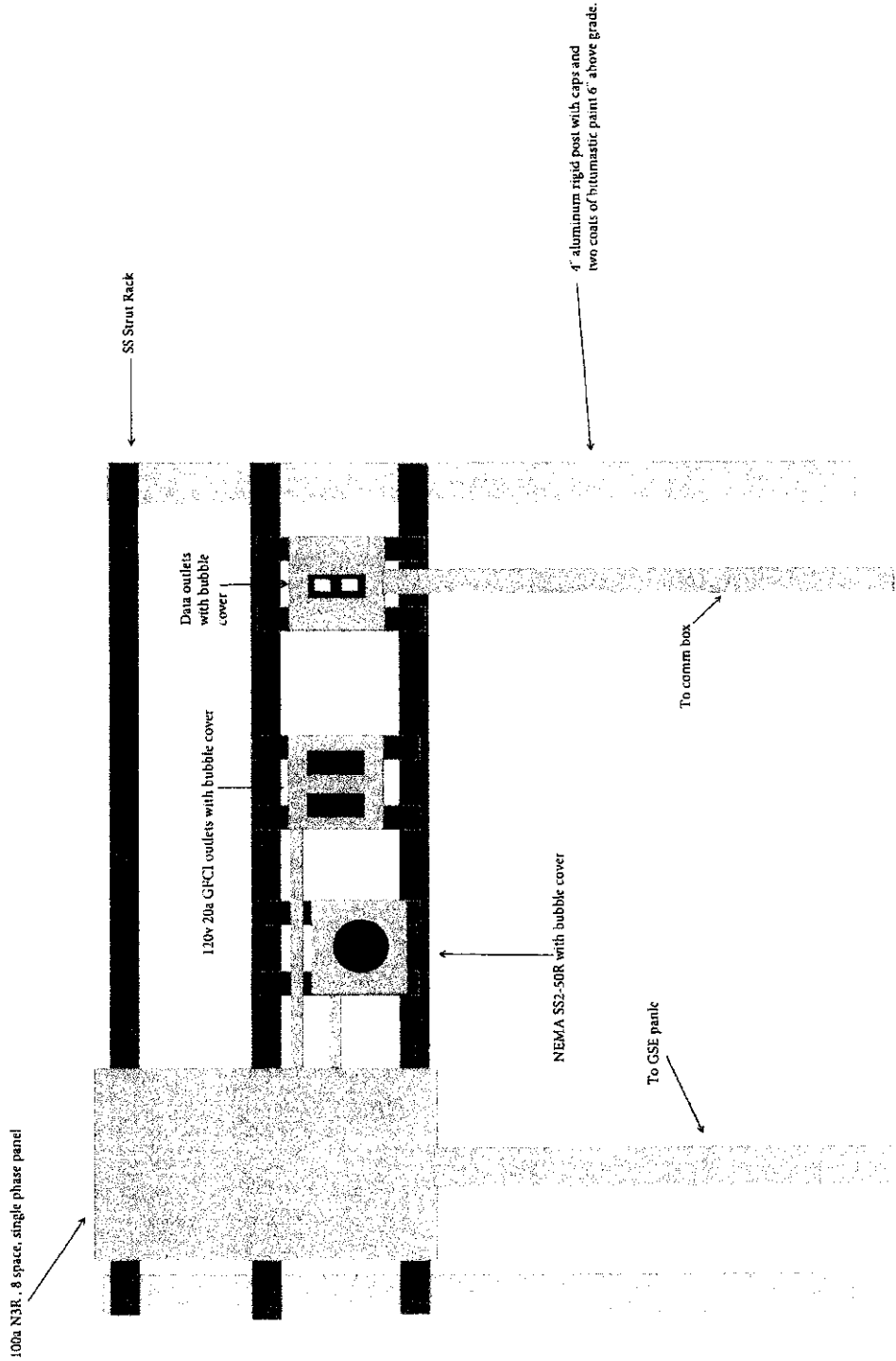
REVISIONS

NO.	DATE	DESCRIPTION
1	12/15/2023	PER SUBMITTAL REVISION

ENGINEER OF RECORD

JOB NO.	DATE	BY	FOR
VPR23004	MAR. 31, 2023	JAMES W. MAPLES, P.E.	FL P.E. #71489

ENGINEER OF RECORD JAMES W. MAPLES, P.E. FL P.E. #71489



Stephen Saxer

From: Williams, Quinton <Quinton.Williams@dot.state.fl.us>
Sent: Monday, June 13, 2022 1:54 PM
To: Robert Chad Rogers
Cc: Allyson Oury; Stephen Saxer; Strickland, Vanessa
Subject: RE: VPS Security Inspection Facility change order coord - G1798

Chad,

Please proceed, thanks.

Quinton Williams

D3 Modal Development
1074 Hwy 90
Chipley, FL 32428
(850) 330-1545



From: Robert Chad Rogers <rrogers@myokaloosa.com>
Sent: Monday, June 13, 2022 8:38 AM
To: Williams, Quinton <Quinton.Williams@dot.state.fl.us>; Strickland, Vanessa <vanessa.strickland@dot.state.fl.us>
Cc: Allyson Oury <aoury@myokaloosa.com>; Stephen Saxer <ssaxer@myokaloosa.com>
Subject: VPS Security Inspection Facility change order coord - G1798

EXTERNAL SENDER: Use caution with links and attachments.

Quint, Vanessa,

I left you both a voicemail between Friday and this morning. We would like to obtain FDOT coordination approval for utilizing excess grant funds on G1798 to apply towards a change order on the VPS Security Inspection Facility. We do not foresee any time extensions necessary but would like to utilize the remaining funds to cover a portion of the changes that will add supporting infrastructure in terms of additional electrical/fiber connectivity, cameras, and signage—all of which are components of the active project and would extend the network and coverage/perspective of security cameras on the aircraft operating area.

If you do not see any issues with utilizing the remaining \$54K in FDOT match funds to the 50/50 grant please respond so that we can add to the agenda item package for board approval. Thank you.

VR,

Chad

Robert C. Rogers, P.E.
Airports Deputy Director – Plans & Programs
Okaloosa County Airports

1701 State Rd 85 N
Eglin AFB, FL 32542-1498
Office: (850) 651-7160, Option 0 then Ext. 1055
Cell: (850) 612-6862
E-mail: rrogers@myokaloosa.com



Destin-Fort Walton Beach Airport (VPS) - Destin Executive Airport (DTS) - Bob Sikes Airport (CEW)

www.FlyVPS.com www.FlyCEW.com www.FlyDTS.com

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