

SURVEY NOTES

- HORIZONTAL COORDINATES AND ELEVATIONS ARE IN UNITED STATES SURVEY FEET. HORIZONTAL CONTROL IS BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH ZONE 4205), (NAD 1983). ELEVATIONS ARE IN FEET ABOVE SEA LEVEL USING THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).
- HORIZONTAL AND VERTICAL DATUMS ARE BASED ON CONTROL POINTS PROVIDED BY CORPUS CHRISTI N.A.S. PUBLIC WORKS DEPT. POINTS USED WERE: "CCNAS 3", "CCNAS 4", "CCNAS 6" AND "CCNAS 8"
- THE AVERAGE COMBINED SCALE FACTOR FOR THE PROJECT IS: 0.9999713086
- LOCATION OF UNDERGROUND UTILITIES THAT COULD NOT BE FIELD LOCATED WERE TRANSFERRED FROM G.I.S. FILES PROVIDED BY CORPUS CHRISTI N.A.S. PUBLIC WORKS DEPT. OTHER UTILITIES MAY EXIST IN THE PROJECT AREA.
- THE SURVEY WEST OF RUNWAY 17-35 WAS PERFORMED BY LEIDOS ENGINEERING, LLC. THIS SURVEY BEGAN ON SEPTEMBER 26, 2013 AND WAS COMPLETED OCTOBER 4, 2013. THE SURVEY EAST OF RUNWAY 17-35 WAS PERFORMED BY NAISMITH ENGINEERING, INC. THIS SURVEY BEGAN ON JANUARY 13, 2015 AND WAS COMPLETED MARCH 18, 2015. SURVEY HAS BEEN SUPPLEMENTED WITH G.I.S. DATA PROVIDED BY CORPUS CHRISTI N.A.S. PUBLIC WORKS DEPARTMENT.

UNDERGROUND UTILITY NOTES:

- THE LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE.
- ALL UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED AND MARKED PRIOR TO EXCAVATION, BORING, PROBING OR DRILLING.
- THE LOCATION OF UNDERGROUND UTILITIES IS BASED ON SURFACE EVIDENCE AND/OR SURFACE STRUCTURES IN COMBINATION WITH INFORMATION PROVIDED TO THE SURVEYOR SUCH AS DESIGN AND/OR AS-BUILT DRAWINGS.
- NO EXCAVATION, PROBING, NOR OTHER FORM OF SUBSURFACE EXPLORATION WAS PERFORMED TO LOCATE OR VERIFY UNDERGROUND UTILITIES OR STRUCTURES.
- THE ACTUAL LOCATIONS OF UNDERGROUND UTILITIES AND/OR STRUCTURES MAY VARY FROM THE LOCATIONS SHOWN HEREON.
- ADDITIONAL UNDERGROUND UTILITIES AND/OR STRUCTURES MAY BE PRESENT; i.e. SOME UTILITIES AND/OR STRUCTURES MAY BE MISSING FROM THESE DRAWINGS.

BENCHMARKS AND CONTROL POINTS

<p>"BM1" FND. PK NAIL W/TAG N=17141318.59 E=1373525.07 ELEV=16.33</p>	<p>"BM 12" SET 1/2" CAPPED IRON PIN N=17140873.21 E=1376163.74 ELEV=15.50</p>
<p>"BM2" FND. PK NAIL W/TAG N=17141515.70 E=1373415.10 ELEV=16.56</p>	<p>"BM 15" SET 1/2" CAPPED IRON PIN N=17141178.26 E=1375526.33 ELEV=15.44</p>
<p>"BM 11" SET 1/2" CAPPED IRON PIN N=17141873.22 E=1376153.61 ELEV=16.30</p>	<p>"BM16" SET 1/2" capped iron pin N=17141168.34 E=1374526.56 ELEV=15.09</p>
<p>"CP 01" FD SQ CUT, 110, N=17142983.89 E=1379073.71 ELEV=12.74</p>	<p>"CP 02" S60D NAIL, 116, N=17146116.52 E=1371248.34 ELEV=2.71</p>
<p>"CP 03" FD X-MARK, 111, N=17142380.96 E=1378190.24 ELEV=14.34</p>	<p>"CP 04" S60D NAIL, 117, N=17146301.99 E=1371472.14 ELEV=4.25</p>

BENCHMARKS AND CONTROL POINTS ARE SHOWN ON THE MASTER SITE PLAN, SHEET G100. THEY ARE ALSO SHOWN ON SPECIFIC PLAN SHEETS WHERE THEY OCCUR.

GENERAL NOTES

- THIS PROJECT IS COMPRISED OF THE IN-PAVEMENT AND ELEVATED RUNWAY 13R APPROACH LIGHTING SYSTEM, WIRING AND REGULATORS.
- THE CONTRACTOR IS RESPONSIBLE FOR RECONNOITERING THE SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO IDENTIFY ITEMS BEYOND THOSE SHOWN HEREIN WHICH REQUIRE PROTECTION. DAMAGE TO ITEMS CAUSED BY THE CONTRACTOR DURING CONSTRUCTION MUST BE REPAIRED AT HIS/HER EXPENSE AND IN A MANNER APPROVED BY THE CONTRACTING OFFICER.
- PROTECT ALL GOVERNMENT PROPERTY WITHIN THE PROJECT LIMITS. IN THE EVENT THAT DAMAGE IS INCURRED DURING THE PROJECT DURATION, PROVIDE A COMPARABLE REPLACEMENT OR REPAIR AT NO COST TO THE GOVERNMENT.
- TO ALLOW SUFFICIENT TIME FOR ISSUANCE OF REQUIRED ADVISORIES OF CLOSURE FOR THE AFFECTED RUNWAYS AND TAXIWAYS, THE CONTRACTING OFFICER MUST BE PROVIDED A MINIMUM OF THREE (3) WORKING DAYS ADVANCE NOTICE.
- THE EXISTENCE, SIZE AND/OR LOCATION OF UTILITIES ARE NOT GUARANTEED BY THIS SURVEY. FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. A DIG PERMIT MUST BE OBTAINED FROM THE CONTRACTING OFFICER PRIOR TO CONSTRUCTION. PRACTICE CAUTION WHILE PERFORMING DEMOLITION AROUND EXISTING UTILITIES TO REMAIN.
- COORDINATE ALL WORK WITH CONTRACTING OFFICER IN ORDER TO MINIMIZE THE IMPACT OF THIS PROJECT ON STATION OPERATIONS.
- MAINTAIN, BY SWEEPING, VACUUMING, AND/OR OTHER APPROVED MEANS, ACTIVE AIRFIELD PAVEMENT (RUNWAY, TAXIWAYS, AND PARKING APRONS BEING UTILIZED BY AIRCRAFT) AND HAUL ROUTES WITHIN THE NAVAL AIR STATION, FREE OF CONSTRUCTION MATERIALS, DIRT, ROCKS OR OTHER DEBRIS DURING THE LIFE OF THIS PROJECT. ALL TRUCKS MUST BE COVERED WHEN HAULING TO MINIMIZE HAZARD FROM FALLING OBJECTS.
- AREAS DISTURBED BY CONTRACTOR, WHICH ARE NOT PART OF THE PROJECT MUST BE RETURNED TO THEIR ORIGINAL OR IMPROVED CONDITIONS AT COMPLETION OF THE PROJECT.
- AT THE COMPLETION OF THIS PROJECT, THE AREAS UTILIZED FOR LAY-DOWN AND FOR CONSTRUCTION HAUL ROUTES MUST BE RETURNED TO THEIR ORIGINAL OR IMPROVED CONDITION. HAUL ROUTES AND LAY-DOWN AREAS MUST BE COORDINATED AND APPROVED BY THE CONTRACTING OFFICER.
- REMOVE DEBRIS/TRASH FROM THE STATION PROMPTLY AND DISPOSE OF AT AN OFF-STATION DUMP SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL AGENCIES LAWS AND REGULATIONS.
- TAKE APPROPRIATE MEASURES TO CONTROL DUST FROM EXITING THE WORK AREA.
- WATER IS AVAILABLE AT THE NASCC SKEET RANGE. CONTRACTOR IS RESPONSIBLE FOR TRANSPORTATION OF WATER TO THE JOB SITE. COORDINATE METERING, TRAVEL ROUTE AND OTHER LOGISTICAL ISSUES WITH THE CONTRACTING OFFICER.
- THE GOVERNMENT WILL NOT PROVIDE SEWER SERVICE. COORDINATE WASTE DISPOSAL PLAN INCLUDING METHOD AND TRAVEL ROUTE WITH THE CONTRACTING OFFICER.
- UNLESS OTHERWISE INDICATED, ALL PAVEMENT STRIPING TO BE IAW FAA ADVISORY CIRCULAR 150/5340, (CURRENT EDITION AT TIME OF BID) NAVAIR 51-50 AAA LATEST EDITION AND SPECIFICATION 32 17 23.
- WHERE APPLICABLE, FOR STABILIZATION PURPOSES, A MINIMUM 15-FOOT WIDE STRIP OF BERMUDA SOD TO BE PLACED ADJACENT TO ALL NEW AND DISTURBED PAVEMENT. ALL NON-PAVED AREAS DISTURBED DURING CONSTRUCTION MUST BE SODDED. SEE SPECIFICATION 32 92 23.
- TEMPORARY BENCHMARKS ARE LOCATED THROUGHOUT THE PROJECT AND ARE LISTED ON THIS SHEET. SEE BENCHMARKS AND CONTROL POINTS TABLE.
- EXISTING STRIPING SHOWN ON THESE PLANS WAS LOCATED USING A COMBINATION OF FIELD SURVEY, CONSTRUCTION PLANS AND AERIAL PHOTOGRAPHY AND THEIR EXACT LOCATION MAY VARY.
- INSTALL SILT FENCE AROUND THE PERIMETER OF THE PROJECT SITE. INSTALL SILT FENCE WITH STRAW BALES AROUND ALL INLETS.
- DEMOLISHED AND/OR MILLED ASPHALT CAN BE USED TO STABILIZE HAUL ROADS, OR PLACED AS DIRECTED BY THE CONTRACTING OFFICER IN AREAS NEAR OR ON THE AIRFIELD, AT A MAXIMUM OF ONE MILE IN DISTANCE. THE REMAINDER WILL BECOME PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE INSTALLATION.
- NO DEMOLITION SHALL OCCUR OUTSIDE OF PROPOSED LIMITS OF DISTURBANCE/LIMIT OF WORK.
- INADVERTENTLY DAMAGED ITEMS THAT ARE TO REMAIN SHALL BE, AT THE DISCRETION OF THE CONTRACTING OFFICER, EITHER REPAIRED TO PRESENT CONDITION OR BETTER, OR REPLACED ENTIRELY. REPAIR/REPLACEMENT COSTS SHALL BE BORNE BY THE CONTRACTOR.

GENERAL NOTES (CONTINUED)

- MAINTAIN THE HAUL ROUTES FREE OF DEBRIS BY SWEEPING A MINIMUM OF DAILY OR AS NEEDED TO ENSURE DEBRIS DOES NOT MIGRATE OUTSIDE OF THE HAUL ROUTE LIMITS. THE CONTRACTING OFFICER MAY, AT HIS/HER DISCRETION, REQUIRE MORE FREQUENT SWEEPING ACTIVITY IF IT IS DEEMED THAT DEBRIS IS POSING A SAFETY THREAT TO OPERATIONAL AIRCRAFT.
- CONTRACTOR PERSONNEL SHALL NOT UTILIZE PERSONALLY OWNED VEHICLES (POV) ON THE AIRFIELD. ALL POV'S SHALL BE PARKED IN A DESIGNATED AREA WHILE ON NAS CORPUS CHRISTI. ONLY MARKED, COMPANY REGISTERED AND LICENSED VEHICLES WILL BE PERMITTED ON THE AIRFIELD AND ONLY FOR THE PURPOSE OF ACCOMPLISHING WORK.
- THE CONTRACTOR STAGING AREAS ARE TO BE GRADED SMOOTH AND STABILIZED WITH PAVEMENT MILLINGS AT THE END OF THE PROJECT. EXCESS TOPSOIL SHALL BE STRIPPED AND DEPOSITED IN AN AREA ON THE AIRFIELD DESIGNATED BY THE CONTRACTING OFFICER AND STABILIZED WITH SEED AND MULCH.
- PAVEMENT THICKNESS SHOWN IN THESE PLANS HAS BEEN TAKEN FROM AVAILABLE AS-BUILT DRAWINGS AND THE "AIRFIELD PAVEMENT CONDITION SURVEY," SSR-NAVFAC SE-CI-1302, PERFORMED BY THE AIRFIELD PAVEMENT EVALUATION TEAM DURING APRIL 2013. CONSTRUCT PAVEMENT THICKNESS AS SHOWN IN THE PLANS OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER.

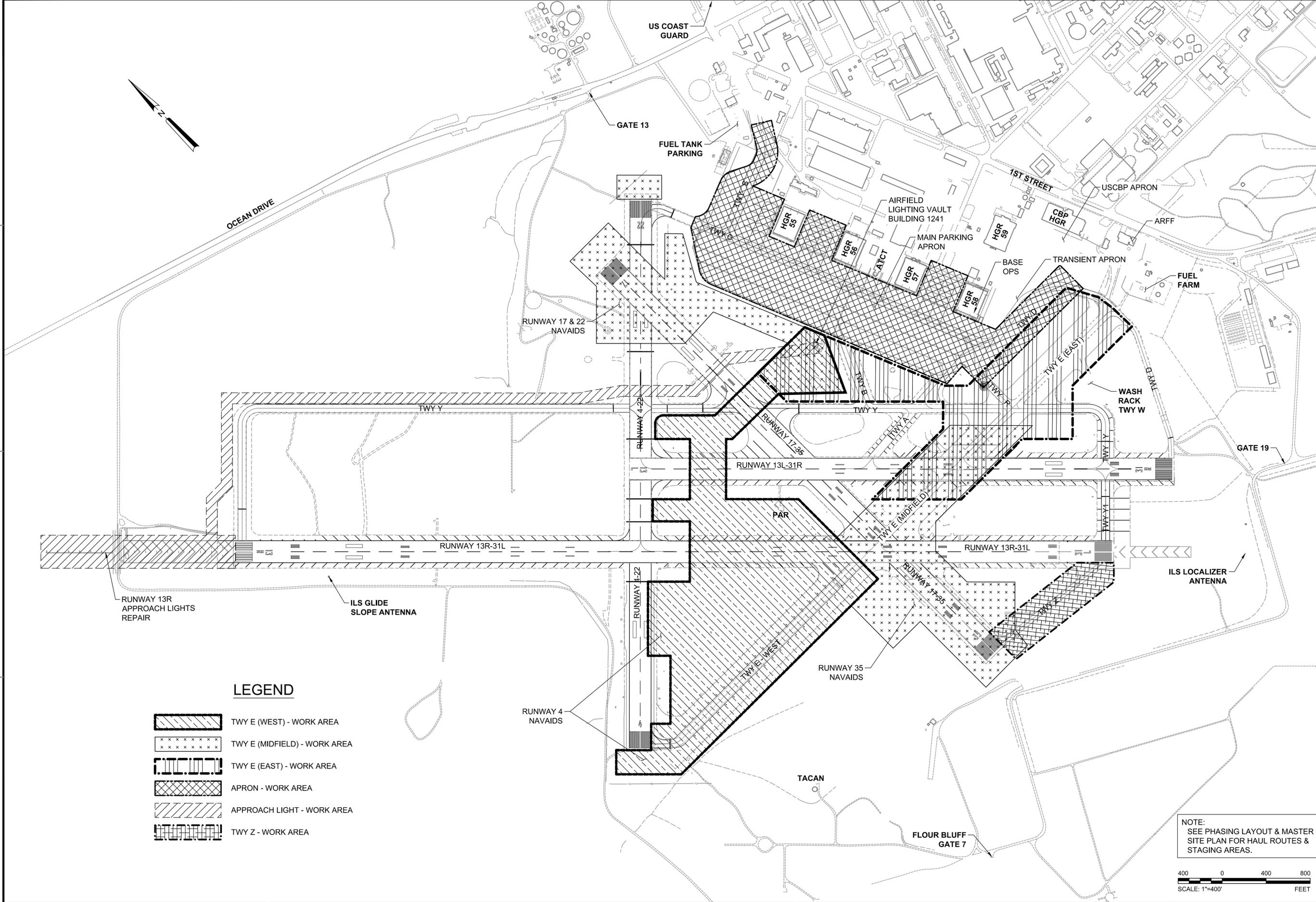
LEGEND

	EXISTING ELECTRIC SWITCH		EXISTING ASPHALT TO BE DEMOLISHED
	EXISTING ELECTRIC MANHOLE		EXISTING CONCRETE TO BE DEMOLISHED
	EXISTING ELECTRIC PULL BOX		PAVEMENT TO REMAIN AND SEALCOATED
	EXISTING GROUND LIGHT		FULL DEPTH ASPHALT
	EXISTING VERTICAL RUNWAY LIGHT		MILL AND OVERLAY
	EXISTING FLUSH RUNWAY LIGHT		SOD SHOULDER
	EXISTING ELECTRIC VAULT		ASPHALT REPAIR
	EXISTING SIGN		SPALL REPAIR
	EXISTING GRATE INLET		CONCRETE REPLACEMENT
	EXISTING DRAINAGE MH WITH GRATE		CONCRETE
	EXISTING CONCRETE		EXISTING MAJOR CONTOUR
	EXISTING EDGE OF CONCRETE		EXISTING MINOR CONTOUR
	EXISTING EDGE OF PAVEMENT		MAJOR CONTOUR
	EXISTING EDGE OF ROAD		MINOR CONTOUR
	EXISTING FENCE		EXISTING STORM DRAIN
	EXISTING SPOT ELEVATION		EXISTING UG ELECTRIC
	EXISTING PAINT STRIPE		EXISTING WATER
	LIGHT		INSTALL SILT FENCE WITH STRAW BALES (TYP.)
	LIGHT		LIMITS OF STRIPING REMOVAL
	PULLCAN		FULL DEPTH SAW CUT.
	CAPPED IRON PIN		CIVIL LIMITS OF DISTURBANCE / LIMIT OF WORK
	PK NAIL		EXISTING JOINT
	MONUMENT		NEW JOINT IN CONCRETE
	BENCHMARK / CONTROL POINT		NEW CONTRACTION JOINT IN EXISTING CONCRETE

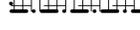
DATE	6 NOV 2015
ISSUED FOR BID	0
DESCRIPTION	
<p>APPROVED</p> <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE</p> <p>DES: JBB DRW: JGP CHK: HWM</p> <p>BRANCH MANAGER</p> <p>CHIEF ENG / ARCH</p> <p>FIRE PROTECTION</p>	
<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE CORPUS CHRISTI, TEXAS NAS CORPUS CHRISTI CORPUS CHRISTI AIRFIELD REPAIRS RUNWAY 13R APPROACH LIGHTS GENERAL NOTES AND LEGEND</p>	
SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095280
SHEET:	3 OF 33
<p>GI003</p> <p>DRAWFORM REVISION: 5 APRIL 2012</p>	

FILE NAME: P:\FBV\1641-DK\154800-NA_S_Corpus_Christi_Airfield_Repairs\20_DESIGN\40_CADD\154800-04-0003.dwg LAYOUT NAME: Layout PLOTTED: Friday, November 06, 2015 - 2:13pm USER: lubeam

N:\14072\04 CAD\04-Approach Lights\130243-G-0004.dwg, G104, 11/16/2015 1:23:25 PM, mm
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LEGEND

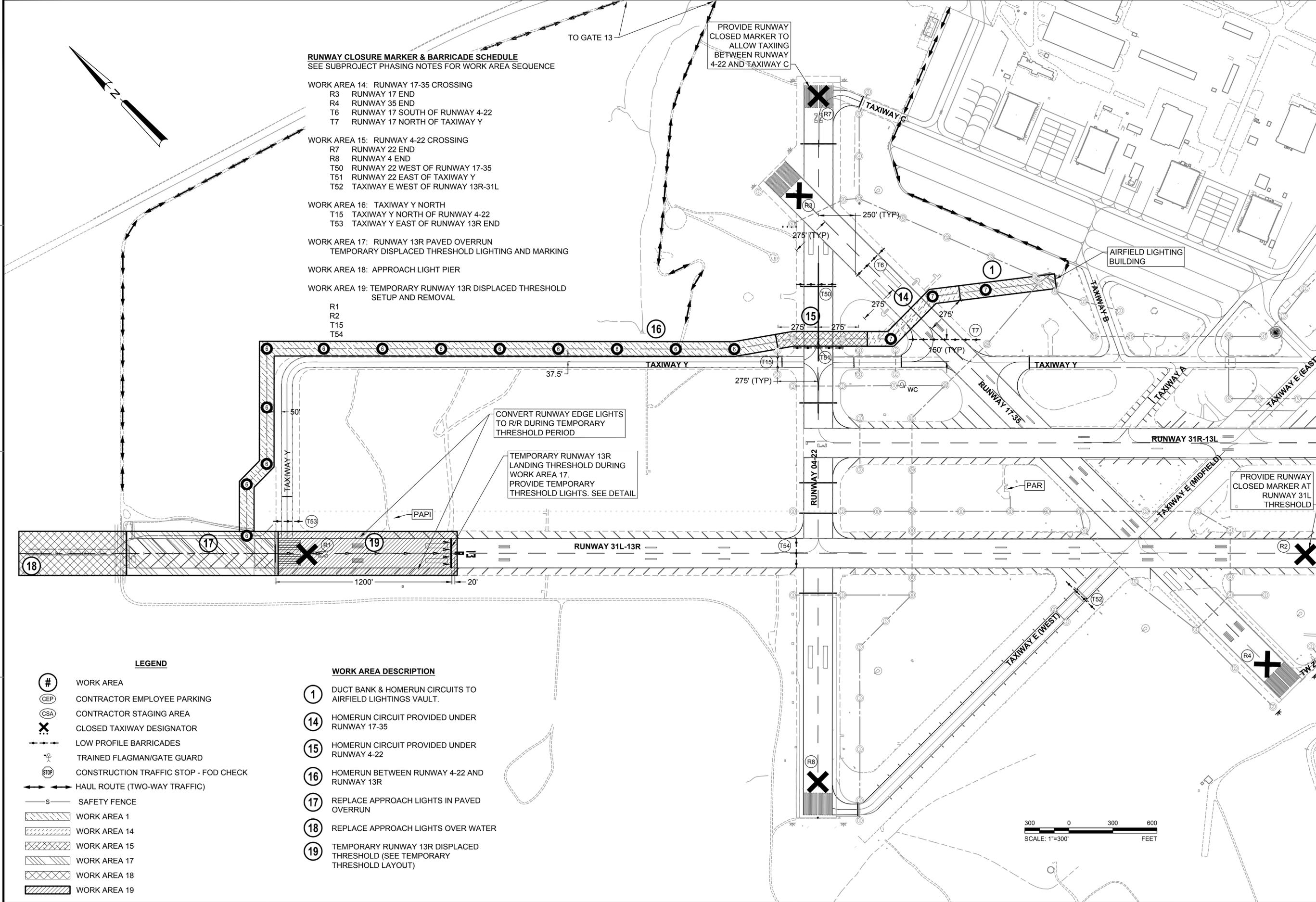
-  TWY E (WEST) - WORK AREA
-  TWY E (MIDFIELD) - WORK AREA
-  TWY E (EAST) - WORK AREA
-  APRON - WORK AREA
-  APPROACH LIGHT - WORK AREA
-  TWY Z - WORK AREA

NOTE:
 SEE PHASING LAYOUT & MASTER
 SITE PLAN FOR HAUL ROUTES &
 STAGING AREAS.



	DATE: 6 NOV 15 APPR:
	ISSUED FOR BID: 0 DATE: 06 NOV 15 DESCRIPTION:
 	
 <small>LEIDOS ENGINEERING, LLC ONE WEST 3RD ST. TULSA, OK 74103</small>	
 <small>DELTA AIRPORT CONSULTANTS, INC. 9711 Forest Court, Suite 100 Richmond, Virginia 23234 Phone: (804) 275-8301 • Fax: (804) 275-8371 www.deltaairportconsultants.com Delta Project No. 14072 A2-000</small>	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES: MWK DRW: MRM CHK: JMM	
PROJECT MANAGER	
IPT TECH. BRANCH HEAD	
CHIEF ENGINEER (CORE)	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS RUNWAY 13R APPROACH LIGHTS MASTER PHASING PLAN	SCALE: 1"=400' PROJECT NO.: 15095281 CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15095281 SHEET: 4 OF 33 G104 <small>DRAWING REVISION: 5 APRIL 2012</small>

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ISSUED FOR BID	0	DATE	6 NOV 15
APPROVED	FOR COMMANDER NAVFAC		
SATISFACTORY TO DATE	DES: MWK DRW: MRM CHK: JMM		
PROJECT MANAGER	PJT TECH BRANCH HEAD		
CHIEF ENGINEER (CORE)	CHIEF ENGINEER (CORE)		
NAVAL FACILITIES ENGINEERING COMMAND	NAVAL AIR STATION JACKSONVILLE		
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST	CORPUS CHRISTI, TEXAS		
CIBL CORE	NAS CORPUS CHRISTI		
PROJECT NO.	15095282		
CONSTR. CONTR. NO.			
NAVFAC DRAWING NO.	15095282		
SHEET	5	OF	33
GI005			
DRAWFORM REVISION: 5 APRIL 2012			

ELECTRICAL NOTES:

- COORDINATE (AT LEAST 48 HOURS IN ADVANCE) INTERRUPTION OF SERVICE TO ACTIVE LIGHTING CIRCUITS WITH THE BASE. DAMAGE TO EXISTING AIRPORT AND UTILITY CIRCUITS CAUSED BY THE CONTRACTOR'S EQUIPMENT OR PERSONNEL MUST BE PROMPTLY REPAIRED, BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE. ACTIVE LIGHTING SYSTEMS FOR OPEN AIRCRAFT OPERATIONAL AREAS MUST REMAIN READY FOR OPERATION DURING IFR WEATHER CONDITIONS AND FROM DUSK TO DAWN.
- THE BASE WILL BE RESPONSIBLE FOR LOCATING EXISTING BASE OWNED UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN STRIPING FOR THE DURATION OF THE PROJECT.
- THE CONTRACTOR MUST LOCATE UTILITIES DURING CONSTRUCTION AND HAND DIG WHEN WITHIN FIVE (5) FEET OF KNOWN OR SUSPECTED UNDERGROUND UTILITY.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST INVENTORY LIGHTS, FIXTURES, SIGNS, ETC. WITHIN THE PROJECT LIMITS. THE CONTRACTOR MUST ADVISE THE ENGINEER, IN WRITING, OF DAMAGED LIGHT FIXTURES, SIGNS, OR UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE LOCATION OF UTILITIES SHOWN IS APPROXIMATE ONLY AND MUST BE FIELD VERIFIED BY THE CONTRACTOR BEFORE BEGINNING CONSTRUCTION. SOME UTILITIES MAY NOT BE SHOWN.
- THE CONTRACTOR MUST MEGGER THE EXISTING LIGHTING SYSTEMS PRIOR TO BEGINNING WORK ON THE EXISTING LIGHTING SYSTEMS. THIS WORK MUST BE PERFORMED IN THE PRESENCE OF THE CONTRACTING OFFICER AND LOGGED IN THE DAILY REPORT.
- THE CABLES MUST BE TAGGED AT EACH CONNECTION AND AT EACH ENTRANCE TO DUCTS, HANDHOLES, AND PULLCANS. CABLE MARKERS CAN BE ALMETEK "MINI-TAGS" KIT WITH BLACK STAMPED YELLOW POLYETHYLENE LETTERS OR APPROVED EQUIVALENT. ATTACH MARKERS WITH CABLE TIES.
- THE CONTRACTOR MUST HAVE A TONE GENERATOR TYPE CABLE TRACER ON SITE AT ALL TIMES TO LOCATE EXISTING CABLES.
- ELECTRICAL WORK MUST BE COMPLETED IN ACCORDANCE WITH LOCAL CODE AND CURRENT NEC HANDBOOK.
- THE CONTRACTOR WILL BE REQUIRED TO CONNECT THE CIRCUITS TO THE EXISTING CIRCUITS AS ORDERED BY THE CONTRACTING OFFICER. THE WORK REQUIRES MAKING THE CONNECTIONS TO THE EXISTING CIRCUITS WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- THE GROUND RODS AND OTHER UNDERGROUND GROUNDING CONNECTIONS MUST BE EXOTHERMICALLY WELDED. THE EXOTHERMIC CONNECTIONS MUST BE IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES. THE COUNTERPOISE SYSTEM MUST BE CONNECTED WITH THE EXISTING SYSTEM AT CROSSING POINTS.
- THE CONTRACTOR WILL BE REQUIRED TO MANUALLY LOCK OUT EACH CIRCUIT AT THE VAULT WHEN WORK IS BEING PERFORMED ON THE CIRCUIT. THE CIRCUIT MUST BE TAGGED AND THE CONTRACTOR'S NAME MUST BE CLEARLY IDENTIFIED ON EACH TAG. THE CONTRACTOR WILL BE REQUIRED TO HAVE A LOCK OUT KIT ON SITE AT ALL TIMES. THE BASE REPRESENTATIVE MUST BE NOTIFIED EACH TIME A CIRCUIT IS SECURED AND EACH TIME THE CIRCUIT IS RETURNED TO OPERATIONAL STATUS. THE CONTRACTOR MUST BE CERTIFIED AND TRAINED BY THE BASE PRIOR TO PERFORMING WORK OR LOCK-OUT PROCEDURES IN THE ELECTRICAL VAULT.
- THE UNDERGROUND CONDUITS MUST BE PVC, SCHEDULE 40, UNLESS OTHERWISE NOTED. THE UNDERGROUND CONDUITS MUST BE UL APPROVED. THE UNDERGROUND CONDUIT BENDS MUST BE LONG RADIUS.
- WHERE CONDUIT IS TO BE CONNECTED TO EXISTING CONDUIT, THE CONTRACTOR WILL BE REQUIRED TO MAKE THE CONNECTION USING MANUFACTURED COUPLINGS.
- RUNWAY AND/OR TAXIWAY LIGHTS MUST BE DE-ENERGIZED OR PROPERLY COVERED ON CLOSED SEGMENTS OF RUNWAY(S) AND TAXIWAY(S). REMOVING THE LAMP FROM FIXTURES IS NOT ALLOWED.
- EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED WILL REMAIN THE PROPERTY OF THE BASE AND STORED AT THE BASE AT A LOCATION AS ORDERED BY THE CONTRACTING OFFICER UNLESS OTHERWISE NOTED.
- AT THE BEGINNING OF THE PROJECT, THE CONTRACTOR MUST PROVIDE THE CONTRACTING OFFICER WITH TWO (2) COPIES OF THE MANUFACTURERS' INSTALLATION EQUIPMENT INSTRUCTIONS.
- AT THE PROJECT COMPLETION, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A TWO (2) HOUR TRAINING SESSION FOR AIRFIELD MAINTENANCE PERSONNEL. THE SESSION MUST COVER THE INSTALLATION OF THE EQUIPMENTS.
- AT THE PROJECT COMPLETION, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A COMPLETE MAINTENANCE MANUAL BOUND IN A THREE-RING NOTEBOOK. THE MANUAL MUST CONTAIN THE FOLLOWING AS A MINIMUM:
 - AS-BUILT WIRING SCHEMATICS
 - EQUIPMENT SHOP DRAWINGS SUBMITTALS
 - MANUFACTURERS' EQUIPMENT INSTALLATION INSTRUCTIONS
 - MANUFACTURERS' MAINTENANCE INSTRUCTIONS
 - WARRANTIES
 - SPARE PARTS LISTS
- THE CONTRACTOR WILL BE REQUIRED TO FIELD STAKE LIGHTS AND PULL CAN PLAZAS PRIOR TO INSTALLATION. DISCREPANCIES IN ALIGNMENT OR LOCATION MUST BE RESOLVED BY THE CONTRACTING OFFICER PRIOR TO INSTALLATION.
- THE INSTALLATION OF EACH L-830 ISOLATION TRANSFORMER, L-823 CONNECTOR KIT, AND 5kV TYPE "C" CABLE ON THIS PROJECT AS A COMPLETE OR PARTIAL CIRCUIT MUST BE TESTED AS AN OPERABLE CIRCUIT SYSTEM AND MUST MEET THE REQUIREMENTS OF THE SPECIFICATIONS. THE INSULATION LEAKAGE OF THE L-830 ISOLATION TRANSFORMERS MUST NOT EXCEED 0.2 MICROAMPS WHEN TESTED AT 15,000 VOLTS D.C. IN ACCORDANCE WITH FAA AC 150/5345-47. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A CERTIFIED COPY OF THE MANUFACTURER'S TEST RESULTS FOR EACH LOT OF L-830 TRANSFORMERS USED ON THIS PROJECT.
- PULLCANS MUST HAVE A 1/2 INCH (MIN.) GALVANIZED STEEL COVER WITH COUNTERSUNK BOLT HOLES, UNLESS OTHERWISE NOTED. TWO OPPOSITE BOLT HOLES IN THE COVER PLATE MUST BE THREADED FOR A 1/2" DIAMETER EYE BOLT.
- WHERE HANDHOLES ARE TO BE PLACED AT EXISTING DUCT OR CONDUIT CROSSINGS, THE DUCT MUST BE EXTENDED TO THE STRUCTURE. EXISTING CIRCUITS MUST BE REROUTED THROUGH THE HANDHOLES.
- CONTRACTOR MAY DIRECTIONAL DRILL DUCT BANK AT HIS OPTION. OPEN CUT HAND EXCAVATION IS REQUIRED IN THE LOCATION OF THE FUEL LINES AND OTHER UTILITIES TO VERIFY LOCATIONS AND DEPTH. SILT FENCE IS NOT REQUIRED IN AREAS WHERE DIRECTIONAL DRILLING IS USED.

DATE	6 NOV 15
ISSUED FOR BID	0
DESCRIPTION	
	
	
	
	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES: MWK DRW: MRM CHK: EFC	
PROJECT MANAGER	
IPIT TECH. BRANCH HEAD	
CHIEF ENGINEER (CORE)	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTH EAST NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI CORPUS CHRISTI, TEXAS NAS CORPUS CHRISTI AIRFIELD REPAIRS RUNWAY 13R APPROACH LIGHTS ELECTRICAL NOTES	
SCALE:	NONE
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095284
SHEET:	7 of 33
GI007 <small>DRAWFORM REVISION: 5 APRIL 2012</small>	

FILE NAME: N:\14072\04 CAD\04-Approach Lights\1302443-C-0007.dwg LAYOUT NAME: GI007 PLOTTED: Friday, November 06, 2015 - 1:23pm USER: mm
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