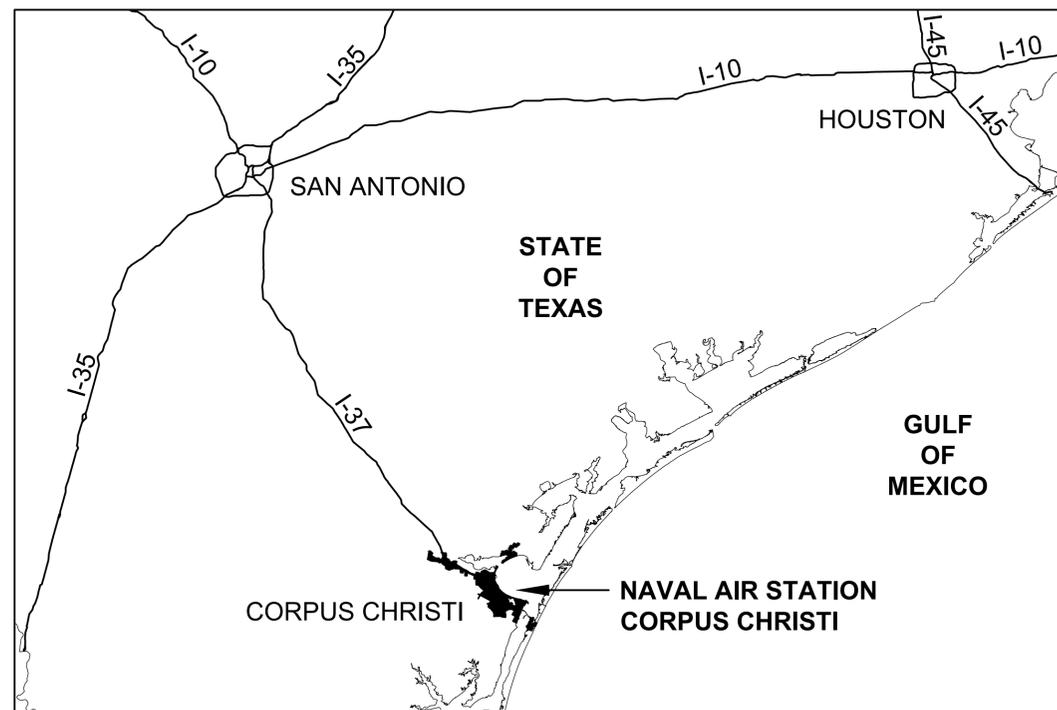


# NAS CORPUS CHRISTI AIRFIELD REPAIRS

## TAXIWAY 'E'

NAVAL AIR STATION CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS



**AREA MAP**



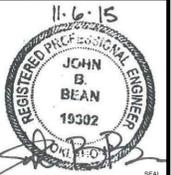
**SITE MAP**

**N69450-15-R-0614  
ISSUED FOR BID**

**6 NOVEMBER 2015**

COMMANDER NAVFAC / B.L.T.L. -	XXX	IPT TECH. BRANCH HEAD -	XXX	DESIGN ARCHITECT -	XXX	DESIGN MECHANICAL -	XXX	DESIGN CIVIL -	XXX	CHIEF ARCHITECT- RAYMOND RODRIGUEZ, R.A.	CHIEF MECHANICAL - STAN YEKALIS, P.E.	CHIEF CIVIL - ALBERT ROMERO, P.E.
IPT PROJECT MANAGER -	XXX			DESIGN STRUCTURAL -	XXX	DESIGN ELECTRICAL -	XXX	DESIGN FIRE PROTECTION -	XXX	CHIEF STRUCTURAL - KURT W. WITTMAN, P.E.	CHIEF ELECTRICAL - RAMÓN H. FLORES, P.E.	CHIEF FIRE PROTECTION-TAYLOR HUDSON, P.E.

ISSUED FOR BID	0	DATE	6 NOV 2015
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APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES SMS | DRW MLT | CHK HWM

PM / DM

BRANCH MANAGER

CHIEF ENG / ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL AIR STATION JACKSONVILLE  
CORPUS CHRISTI, TEXAS  
NAS CORPUS CHRISTI  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'E'  
COVER SHEET

SCALE:	NTS
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095129
SHEET:	1 OF 145
<b>GI001</b>	

FILE NAME: P:\FBY\1650-TUL\CA\201511\4900\_nas\_cco\_repair\20\_DESIGN\40\_CAD\1\4900-03b-0001.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, November 03, 2015 - 12:28pm USER: tcherm



**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><b>"BM1"</b> FND. PK NAIL W/TAG N=17141318.59 E=1373525.07 ELEV=16.33</p>	<p><b>"BM 12"</b> SET 1/2" CAPPED IRON PIN N=17140873.21 E=1376163.74 ELEV=15.50</p>
<p><b>"BM2"</b> FND. PK NAIL W/TAG N=17141515.70 E=1373415.10 ELEV=16.56</p>	<p><b>"BM 15"</b> SET 1/2" CAPPED IRON PIN N=17141178.26 E=1375526.33 ELEV=15.44</p>
<p><b>"BM 11"</b> SET 1/2" CAPPED IRON PIN N=17141873.22 E=1376153.61 ELEV=16.30</p>	<p><b>"BM16"</b> SET 1/2" capped iron pin N=17141168.34 E=1374526.56 ELEV=15.09</p>
<p><b>"CP 01"</b> FD SQ CUT, 110, N=17142983.89 E=1379073.71 ELEV=12.74</p>	<p><b>"CP 02"</b> S60D NAIL, 116, N=17146116.52 E=1371248.34 ELEV=2.71</p>
<p><b>"CP 03"</b> FD X-MARK, 111, N=17142380.96 E=1378190.24 ELEV=14.34</p>	<p><b>"CP 04"</b> 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 DEMOLISHING OF EXISTING ACC FROM A PART OF TAXIWAY 'E' AS SHOWN ON PLANS, SEAL COATING ACC PAVEMENT TO REMAIN, AND ADDING STRIPING TO EXISTING ASPHALT ON TAXIWAY 'E'.
- 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.
- IF DAMAGE OCCURS TO EXISTING SEAL DUE TO HIGH PRESSURE PAINT REMOVAL OPERATIONS, REPAIR THE SEAL AS DIRECTED.
- EXISTING PAVEMENT TO BE DEMOLISHED AS SHOWN ON SHEETS CD101 - CD103 TO BE SAWCUT FULL-DEPTH WITH THE REMAINING PAVEMENT PROTECTED.
- 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.

**GENERAL NOTES (CONTINUED)**

- FIELD VERIFY EXACT AREA OF EXISTING ASPHALT AND CONCRETE PAVEMENT TO BE REMOVED.
- REMOVE EXISTING STRIPING WITHIN THE LIMITS OF STRIPING REMOVAL ON THE EXISTING PAVEMENT THAT IS TO REMAIN. REMOVE EXISTING STRIPING PER SPECIFICATION SECTION 32 01 11.51.
- 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.
- PRIOR TO APPLICATION OF SEAL COAT, CLEAN AND SEAL CRACKS PER DETAILS ON C-504 AND PER SPECIFICATION 32 01 17.16. CRACKS TO BE SEALED TO BE APPROVED BY THE CONTRACTING OFFICER.
- 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.
- CONCRETE JOINTS:
  - THE MINIMUM CLEARANCE BETWEEN DOWELS OF ADJACENT JOINTS SHALL BE 2 INCHES.
  - DETERMINE FINAL NUMBER OF REQUIRED DOWELS AND VERIFY DOWEL SPACING PRIOR TO PLACING CONCRETE. DOWEL AND TIE BAR PLACEMENT TO CONFORM TO SPECIFICATION SECTION 32 13 11.
  - DO NOT BEGIN REPLACEMENT OF EXISTING JOINT SEALS UNTIL ALL EXISTING PAVEMENT MARKINGS HAVE BEEN REMOVED TO THE SATISFACTION OF THE GOVERNMENT.
  - LENGTH TO WIDTH RATIOS SHALL NOT EXCEED 1.25 FOR NON-REINFORCED CONCRETE.
  - JOINT TYPE AND LOCATIONS ARE BASED ON UFC 3-260-02.
- 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.

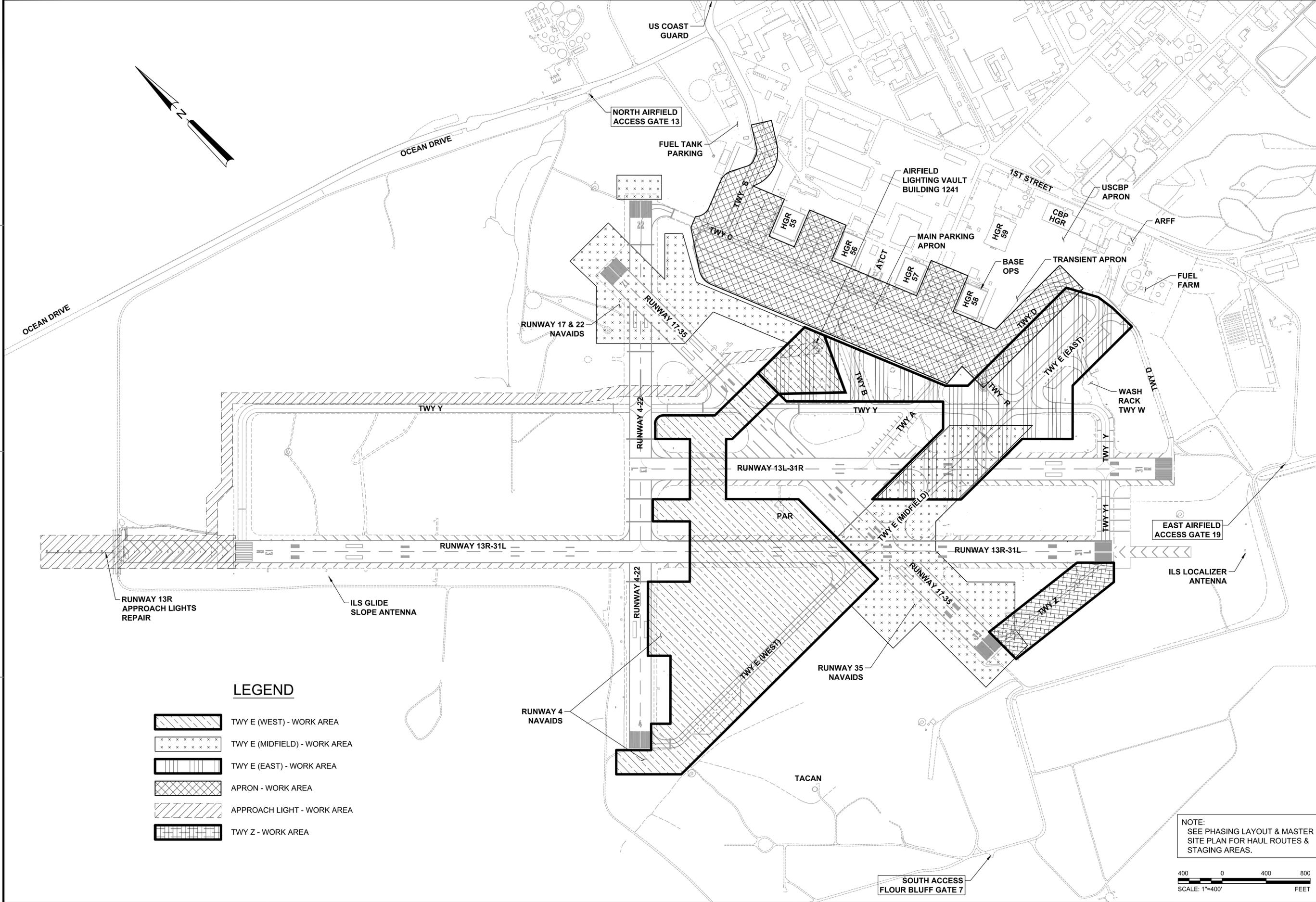
**LEGEND**

	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		SOD SHOULDER
	EXISTING FLUSH RUNWAY LIGHT		ASPHALT REPAIR
	EXISTING ELECTRIC VAULT		CONCRETE
	EXISTING SIGN		EXISTING MAJOR CONTOUR
	EXISTING GRATE INLET		EXISTING MINOR CONTOUR
	EXISTING DRAINAGE MH WITH GRATE		MAJOR CONTOUR
	EXISTING CONCRETE		MINOR CONTOUR
	EXISTING EDGE OF CONCRETE		EXISTING STORM DRAIN
	EXISTING EDGE OF PAVEMENT		EXISTING UG ELECTRIC
	EXISTING EDGE OF ROAD		EXISTING WATER
	EXISTING FENCE		INSTALL SILT FENCE WITH STRAW BALES (TYP.)
	EXISTING SPOT ELEVATION		LIMITS OF STRIPING REMOVAL
	EXISTING PAINT STRIPE		FULL DEPTH SAW CUT.
	LIGHT (SEE ELECTRICAL PLANS)		CIVIL LIMITS OF DISTURBANCE / LIMIT OF WORK
	LIGHT (SEE ELECTRICAL PLANS)		LIMITS OF GREEN PAINTED INFIELD
	PULLCAN (SEE ELECTRICAL PLANS)		EXISTING JOINT
	CAPPED IRON PIN		JOINT IN CONCRETE
	PK NAIL		CONTRACTION JOINT IN EXISTING CONCRETE
	MONUMENT		
	BENCHMARK / CONTROL POINT		

DATE	6 NOV 2015
ISSUED FOR BID	0
DESCRIPTION	
APPROVED FOR COMMANDER NAVFAC ACTIVITY	
SATISFACTORY TO DATE DES SMS [ ] DRW MLT [ ] CHK HWM [ ]	
BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'E' CIVIL GENERAL NOTES AND LEGEND	
SCALE:	NTS
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095131
SHEET:	3 OF 145
<b>GI003</b> DRAWFORM REVISION: 5 APRIL 2012	

FILE NAME: P:\FBI\1650-TUL\COM\2051134800\_NAS\_CCA\_Repairs\20\_DCSNA\40\_CD\G1\134800-03-0003.dwg LAYOUT NAME: Layout PLOTTED: Friday, November 06, 2015 - 11:10am USER: lhbarn

FILE NAME: N:\14072\04\_G001\_REPAIR\_TWY\1302443-G-0004.dwg LAYOUT NAME: G004 PLOTTED: Tuesday, November 10, 2015 - 11:23am USER: nrm



**LEGEND**

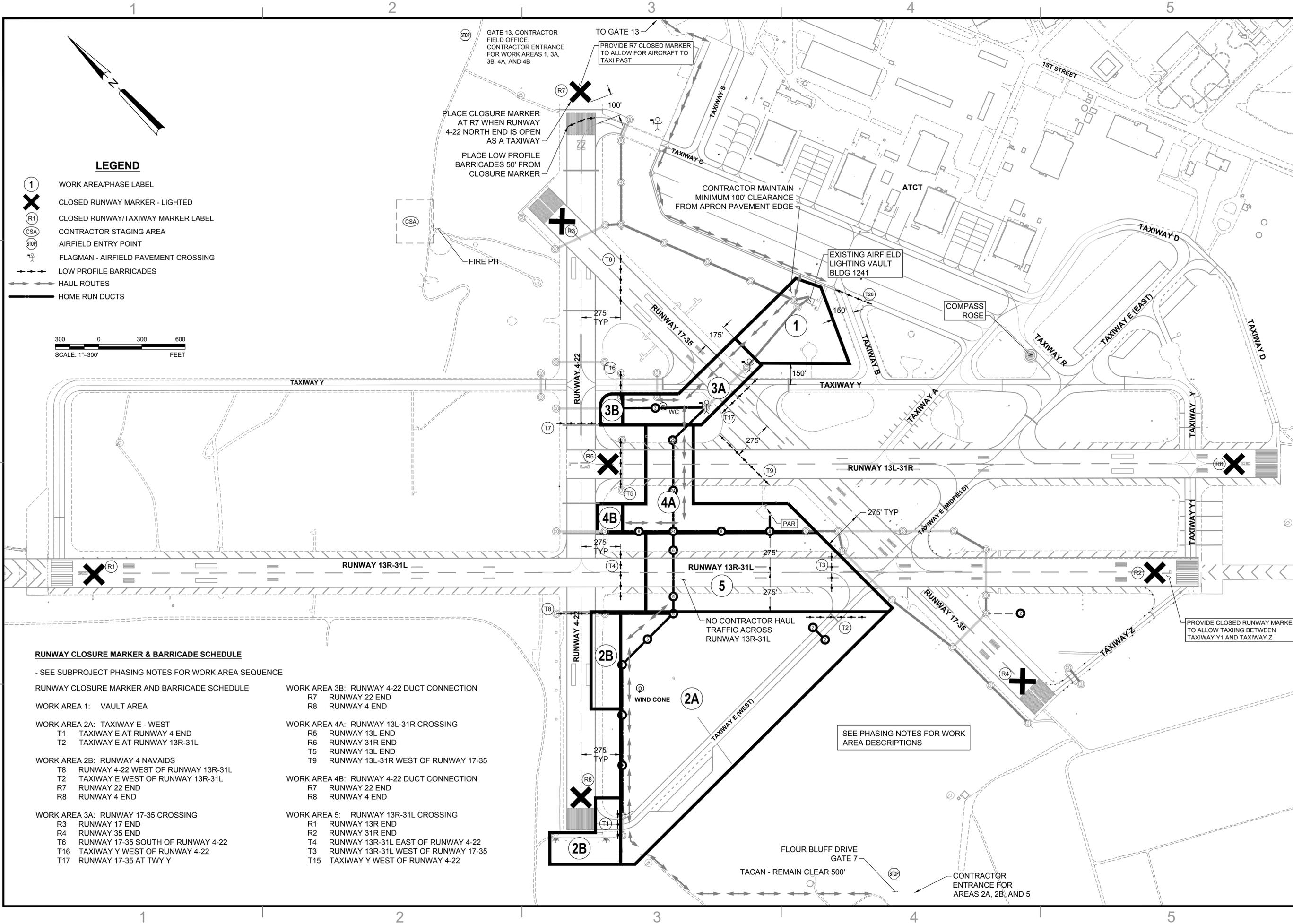
- TWY E (WEST) - WORK AREA
- TWY E (MIDFIELD) - WORK AREA
- TWY E (EAST) - WORK AREA
- APRON - WORK AREA
- APPROACH LIGHT - WORK AREA
- TWY Z - WORK AREA

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

400 0 400 800  
SCALE: 1"=400'  
FEET

DATE	6 NOV 15
ISSUED FOR BID	0
DESCRIPTION	
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 AIR STATION JACKSONVILLE CIVIL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'E' MASTER PHASING PLAN	
SCALE:	1"=400'
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095132
SHEET:	4 OF 145
<b>G1004</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>	

FILE NAME: N:\14072\04\_G001\_REPAIR\_TWE\1302443-G-01005.dwg LAYOUT NAME: G005 PLOTTED: Tuesday, November 10, 2015 - 11:23am USER: nrm



**LEGEND**

- ① WORK AREA/PHASE LABEL
- ✕ CLOSED RUNWAY MARKER - LIGHTED
- (R1) CLOSED RUNWAY/TAXIWAY MARKER LABEL
- (CSA) CONTRACTOR STAGING AREA
- (STOP) AIRFIELD ENTRY POINT
- ⚑ FLAGMAN - AIRFIELD PAVEMENT CROSSING
- LOW PROFILE BARRICADES
- HAUL ROUTES
- HOME RUN DUCTS



**RUNWAY CLOSURE MARKER & BARRICADE SCHEDULE**

- SEE SUBPROJECT PHASING NOTES FOR WORK AREA SEQUENCE

**RUNWAY CLOSURE MARKER AND BARRICADE SCHEDULE**

WORK AREA 1: VAULT AREA

- WORK AREA 2A: TAXIWAY E - WEST
- T1 TAXIWAY E AT RUNWAY 4 END
  - T2 TAXIWAY E AT RUNWAY 13R-31L

- WORK AREA 2B: RUNWAY 4 NAVAIDS
- T8 RUNWAY 4-22 WEST OF RUNWAY 13R-31L
  - T2 TAXIWAY E WEST OF RUNWAY 13R-31L
  - R7 RUNWAY 22 END
  - R8 RUNWAY 4 END

- WORK AREA 3A: RUNWAY 17-35 CROSSING
- R3 RUNWAY 17 END
  - R4 RUNWAY 35 END
  - T6 RUNWAY 17-35 SOUTH OF RUNWAY 4-22
  - T16 TAXIWAY Y WEST OF RUNWAY 4-22
  - T17 RUNWAY 17-35 AT TWY Y

- WORK AREA 3B: RUNWAY 4-22 DUCT CONNECTION
- R7 RUNWAY 22 END
  - R8 RUNWAY 4 END

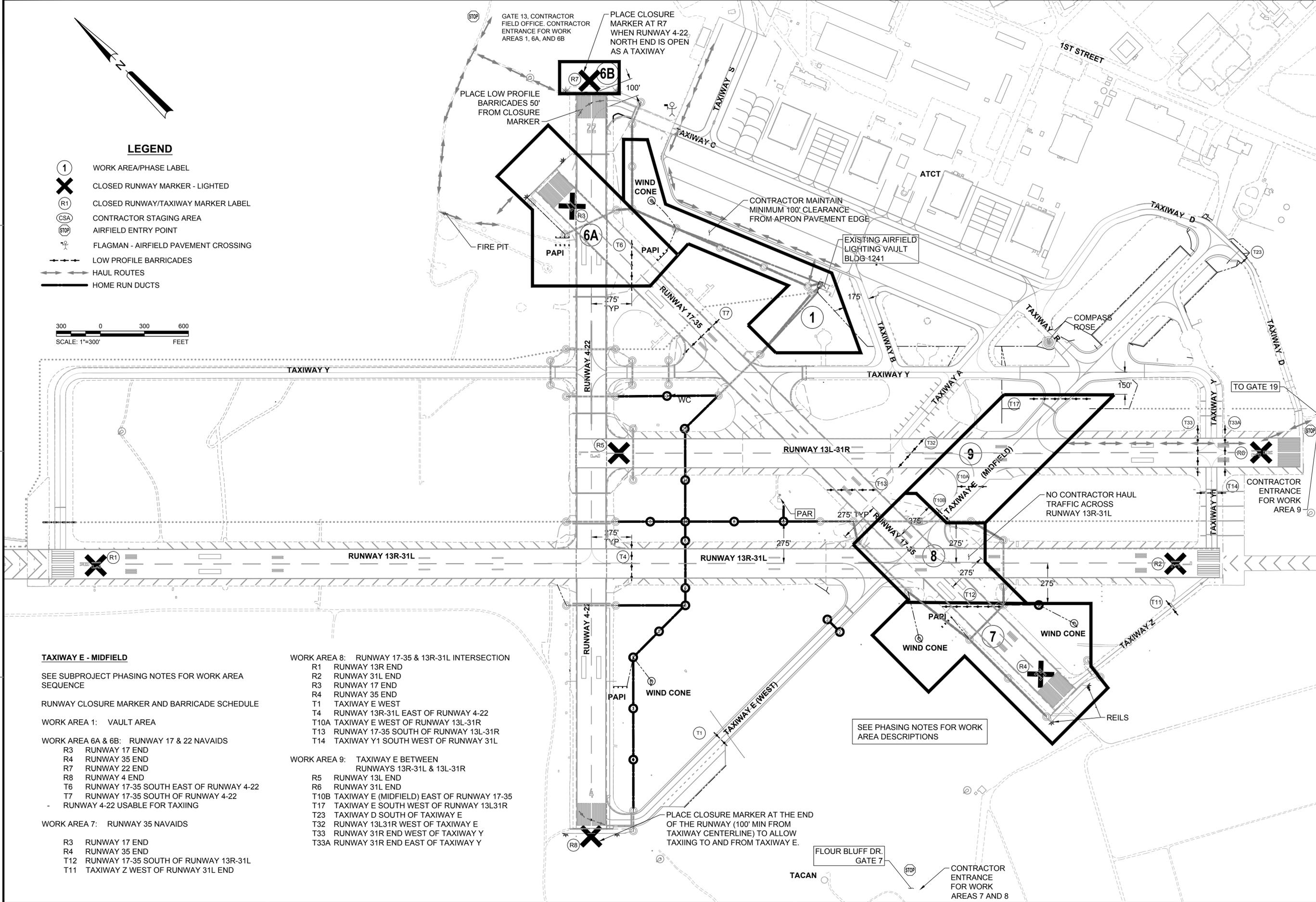
- WORK AREA 4A: RUNWAY 13L-31R CROSSING
- R5 RUNWAY 13L END
  - R6 RUNWAY 31R END
  - T5 RUNWAY 13L END
  - T9 RUNWAY 13L-31R WEST OF RUNWAY 17-35

- WORK AREA 4B: RUNWAY 4-22 DUCT CONNECTION
- R7 RUNWAY 22 END
  - R8 RUNWAY 4 END

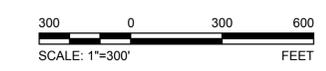
- WORK AREA 5: RUNWAY 13R-31L CROSSING
- R1 RUNWAY 13R END
  - R2 RUNWAY 31R END
  - T4 RUNWAY 13R-31L EAST OF RUNWAY 4-22
  - T3 RUNWAY 13R-31L WEST OF RUNWAY 17-35
  - T15 TAXIWAY Y WEST OF RUNWAY 4-22

ISSUED FOR BID	0	DATE	6 NOV 15
DESCRIPTION			
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 SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'E' TAXIWAY E WEST PHASING LAYOUT			
SCALE:	1"=300'		
PROJECT NO.:	15095133		
CONSTR. CONTR. NO.:			
NAVFAC DRAWING NO.:	15095133		
SHEET:	5	OF:	145
<b>GI005</b> <small>DRAWING REVISION: 5 APRIL 2012</small>			

FILE NAME: N:\14072\04 CAD\REPAIR\_TWE\1302443-G-0106.dwg LAYOUT NAME: G1006 PLOTTED: Tuesday, November 10, 2015 - 11:23am USER: nrm



- LEGEND**
- ① WORK AREA/PHASE LABEL
  - ✕ CLOSED RUNWAY MARKER - LIGHTED
  - (R1) CLOSED RUNWAY/TAXIWAY MARKER LABEL
  - (CSA) CONTRACTOR STAGING AREA
  - (STOP) AIRFIELD ENTRY POINT
  - ⚓ FLAGMAN - AIRFIELD PAVEMENT CROSSING
  - LOW PROFILE BARRICADES
  - HAUL ROUTES
  - HOME RUN DUCTS



**TAXIWAY E - MIDFIELD**

- SEE SUBPROJECT PHASING NOTES FOR WORK AREA SEQUENCE
- RUNWAY CLOSURE MARKER AND BARRICADE SCHEDULE
- WORK AREA 1: VAULT AREA
- WORK AREA 6A & 6B: RUNWAY 17 & 22 NAVAIDS
- R3 RUNWAY 17 END
  - R4 RUNWAY 35 END
  - R7 RUNWAY 22 END
  - R8 RUNWAY 4 END
  - T6 RUNWAY 17-35 SOUTH EAST OF RUNWAY 4-22
  - T7 RUNWAY 17-35 SOUTH OF RUNWAY 4-22
  - RUNWAY 4-22 USABLE FOR TAXIING
- WORK AREA 7: RUNWAY 35 NAVAIDS
- R3 RUNWAY 17 END
  - R4 RUNWAY 35 END
  - T12 RUNWAY 17-35 SOUTH OF RUNWAY 13R-31L
  - T11 TAXIWAY Z WEST OF RUNWAY 31L END

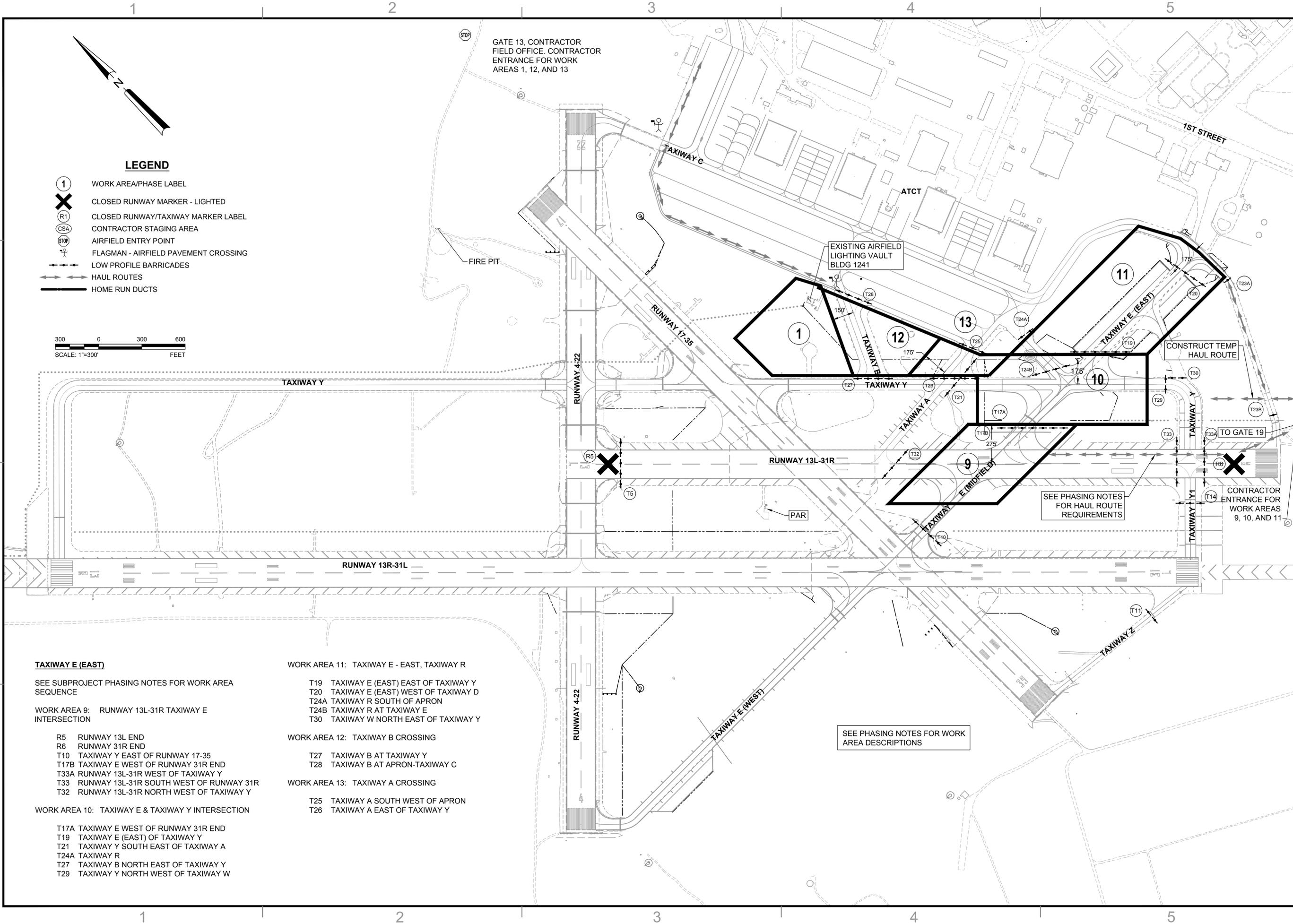
- WORK AREA 8: RUNWAY 17-35 & 13R-31L INTERSECTION
- R1 RUNWAY 13R END
  - R2 RUNWAY 31L END
  - R3 RUNWAY 17 END
  - R4 RUNWAY 35 END
  - T1 TAXIWAY E WEST
  - T4 RUNWAY 13R-31L EAST OF RUNWAY 4-22
  - T10A TAXIWAY E WEST OF RUNWAY 13L-31R
  - T13 RUNWAY 17-35 SOUTH OF RUNWAY 13L-31R
  - T14 TAXIWAY Y1 SOUTH WEST OF RUNWAY 31L
- WORK AREA 9: TAXIWAY E BETWEEN RUNWAYS 13R-31L & 13L-31R
- R5 RUNWAY 13L END
  - R6 RUNWAY 31L END
  - T10B TAXIWAY E (MIDFIELD) EAST OF RUNWAY 17-35
  - T17 TAXIWAY E SOUTH WEST OF RUNWAY 13L31R
  - T23 TAXIWAY D SOUTH OF TAXIWAY E
  - T32 RUNWAY 13L31R WEST OF TAXIWAY E
  - T33 RUNWAY 31R END WEST OF TAXIWAY Y
  - T33A RUNWAY 31R END EAST OF TAXIWAY Y

SEE PHASING NOTES FOR WORK AREA DESCRIPTIONS

PLACE CLOSURE MARKER AT THE END OF THE RUNWAY (100' MIN FROM TAXIWAY CENTERLINE) TO ALLOW TAXIING TO AND FROM TAXIWAY E.

DATE	6 NOV 15
ISSUED FOR BID	0
DESCRIPTION	
<p>LEIDOS ENGINEERING, LLC ONE WEST 3RD ST. TULSA, OK 74103</p> <p>DELTA AIRPORT CONSULTANTS, INC. 9711 Foster Court, Suite 100 Richmond, Virginia 23234 Phone: (804) 275-8301 • Fax: (804) 275-8371 www.deltaairportconsultants.com Delta Project No. 14072 A2-010</p>	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	MWK   drw MRM   chk JMM
PROJECT MANAGER	
IPIT 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	
TAXIWAY 'E'	
TAXIWAY E MIDFIELD PHASING LAYOUT	
SCALE:	1"=300'
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095134
SHEET:	6 OF 145
<b>G1006</b>	
DRAWFORM REVISION: 5 APRIL 2012	

FILE NAME: N:\14072\04\_G001\_REPAIR\_TWE\1302443-G-0007.dwg LAYOUT NAME: G007 PLOTTED: Tuesday, November 10, 2015 - 11:23am USER: nrm



**TAXIWAY E (EAST)**

SEE SUBPROJECT PHASING NOTES FOR WORK AREA SEQUENCE

WORK AREA 9: RUNWAY 13L-31R TAXIWAY E INTERSECTION

- R5 RUNWAY 13L END
- R6 RUNWAY 31R END
- T10 TAXIWAY Y EAST OF RUNWAY 17-35
- T17B TAXIWAY E WEST OF RUNWAY 31R END
- T33A RUNWAY 13L-31R WEST OF TAXIWAY Y
- T33 RUNWAY 13L-31R SOUTH WEST OF RUNWAY 31R
- T32 RUNWAY 13L-31R NORTH WEST OF TAXIWAY Y

WORK AREA 10: TAXIWAY E & TAXIWAY Y INTERSECTION

- T17A TAXIWAY E WEST OF RUNWAY 31R END
- T19 TAXIWAY E (EAST) OF TAXIWAY Y
- T21 TAXIWAY Y SOUTH EAST OF TAXIWAY A
- T24A TAXIWAY R
- T27 TAXIWAY B NORTH EAST OF TAXIWAY Y
- T29 TAXIWAY Y NORTH WEST OF TAXIWAY W

WORK AREA 11: TAXIWAY E - EAST, TAXIWAY R

- T19 TAXIWAY E (EAST) EAST OF TAXIWAY Y
- T20 TAXIWAY E (EAST) WEST OF TAXIWAY D
- T24A TAXIWAY R SOUTH OF APRON
- T24B TAXIWAY R AT TAXIWAY E
- T30 TAXIWAY W NORTH EAST OF TAXIWAY Y

WORK AREA 12: TAXIWAY B CROSSING

- T27 TAXIWAY B AT TAXIWAY Y
- T28 TAXIWAY B AT APRON-TAXIWAY C

WORK AREA 13: TAXIWAY A CROSSING

- T25 TAXIWAY A SOUTH WEST OF APRON
- T26 TAXIWAY A EAST OF TAXIWAY Y

SEE PHASING NOTES FOR WORK AREA DESCRIPTIONS

**LEGEND**

- ① WORK AREA/PHASE LABEL
- ✕ CLOSED RUNWAY MARKER - LIGHTED
- (R1) CLOSED RUNWAY/TAXIWAY MARKER LABEL
- (CSA) CONTRACTOR STAGING AREA
- ⊙ AIRFIELD ENTRY POINT
- ⚑ FLAGMAN - AIRFIELD PAVEMENT CROSSING
- LOW PROFILE BARRICADES
- ⇄ HAUL ROUTES
- HOME RUN DUCTS



	DATE: 6 NOV 15
	ISSUED FOR BID
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 SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIVIL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'E' TAXIWAY E EAST PHASING LAYOUT	
SCALE: 1"=300' EPROJECT NO.: CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15095135 SHEET 7 OF 145 <b>GI007</b> DRAWFORM REVISION: 5 APRIL 2012	

GENERAL PHASING NOTES

- 1. THIS PROJECT WILL BE CONDUCTED DURING ACTIVE FLYING OPERATIONS INCLUDING STUDENT TRAINING. STRICT COMPLIANCE TO THE PHASING PLAN AND RESTRICTIONS ARE REQUIRED.
2. THE RUNWAY AND TAXIWAY WORK AREAS WILL BE CLOSED TO AIRCRAFT FOR EACH WORK PERIOD. THE EDGE LIGHTS ON CLOSED AREAS WILL BE DEACTIVATED.
3. WORK OFF PAVEMENT AND OUTSIDE OF RUNWAY SHOULDER LIMITS-200' FROM EDGE, & TAXIWAY WINGTIP CLEARANCE LIMITS-75' FROM TAXIWAY/TAXILANE CENTERLINE CAN BE CONDUCTED DURING THE ENTIRE PROJECT DURATION IF NO OPERATIONAL IMPACT IS REQUIRED. ANY ACTIVE HAULING ACROSS TAXIWAYS WILL REQUIRE FLAGMEN AND SWEEPER/VACUUMS TO PREVENT FOD.
4. CLOSED TAXIWAYS WILL BE BARRICADED WITH LOW PROFILE WATER FILLED AND LIGHTED AVIATION BARRICADES. BARRICADES WILL BE RELOCATED AND REUSED.
5. SEE PLANS FOR MINIMUM CLEARANCE DISTANCES FROM OPEN TAXIWAYS & RUNWAYS.
6. TO REOPEN AN AIRFIELD PAVEMENT FOR TRAFFIC, A STRIPED CENTERLINE AND OPERABLE EDGE LIGHTING IS REQUIRED. TEMPORARY SOLAR LED TAXIWAY EDGE LIGHTS MAY BE USED AT THE CONTRACTORS EXPENSE TO TEMPORARILY LIGHT TAXIWAY AND APRON EDGES THAT ARE TO BE OPENED FOR TRAFFIC. TEMPORARY LIGHTING PLAN WILL BE SUBMITTED BY THE CONTRACTOR IF AREAS ARE TO BE REOPENED FOR TRAFFIC PRIOR TO FINAL RE-CABLING AND LIGHTING WORK IS COMPLETED.

SUBPROJECT PHASING NOTES

- 1. THIS PROJECT INVOLVES THE REPAIR, RECONFIGURATION, AND REPLACEMENT OF LIGHTING AND SIGNAGE FOR TAXIWAY E. INSTALLATION OF ELECTRICAL CIRCUITS AND NAVAIDS FOR RUNWAYS 4-22, 17-35, 13R-31L, AND 13L-31R IS ALSO INCLUDED IN THIS SUBPROJECT.
2. NO RUNWAY OR TAXIWAY MUST BE CLOSED UNTIL THE CONTRACTOR IS FULLY MOBILIZED TO INCLUDE ESTABLISHMENT OF STAGING AREAS, ACCESS ROUTES AND SECURITY PROCEDURES.
3. TAXIWAY E - WEST IS INTENDED TO BE THE FIRST AREA OF WORK. (SEE WORK AREA NOTES FOR SEQUENCE AND PLANNING REQUIREMENTS). ONCE A WORK AREA IS STARTED, IT WILL BE COMPLETED EXCEPT FOR FINAL STRIPING WITHIN THE MILESTONE PERIOD.
4. WORK AREA SEQUENCE IS ANTICIPATED TO BE IN ORDER OF TAXIWAY E - WEST, MIDFIELD, AND EAST. THE WORK IS ANTICIPATED TO BE CONCURRENT WITH WORK IN THE AIRFIELD LIGHTING VAULT AND APRON. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY WIRING AND FIXTURES TO MAINTAIN EDGE LIGHTING ON OPEN RUNWAYS, TAXIWAYS, AND APRONS.
5. WITH PRIOR COORDINATION WITH THE CONTRACTING OFFICER, WORK AREAS 6A AND 6B MAY BE COMPLETED DURING THE WORK AREA 7 MILESTONE PERIOD AND RUNWAY 17-35 AND 4-22 CLOSURE PERIOD.
6. CONTRACTOR TO ANTICIPATE THE USE OF CONTRACTOR PROVIDED TEMPORARY AIRFIELD LIGHTING CONSTANT CURRENT REGULATORS TO MAINTAIN LIGHTING OPERATIONS ON ALL OPEN AIRFIELD PAVEMENTS. TEMPORARY REGULATORS MAY BE MANUALLY CONTROLLED AND THEIR USE IS DEPENDENT UPON THE CONTRACTOR'S PHASING AND WORK PLAN. IF TEMPORARY REGULATORS ARE UTILIZED THEY ARE TO BE ACCESSIBLE AND OPERABLE BY AIRFIELD ELECTRICAL MAINTENANCE STAFF. TEMPORARY CIRCUITS MUST BE ON WHEN THE CONTRACTOR IS NOT ON SITE.
7. PRIOR TO BEGINNING CONSTRUCTION WORK IN A WORK AREA AND DISCONNECTING LIGHTING CIRCUITS, THE CONTRACTOR MUST ENSURE THAT THE LIGHTING CIRCUITS WILL BE OPERABLE OR TEMPORARY LIGHTING IS PROVIDED WHEN THE WORK AREA REOPENS FOR TRAFFIC. THE USE OF TEMPORARY JUMPERS IS ANTICIPATED. TEMPORARY CABLES PLACED ABOVE GROUND MUST BE ENCLOSED IN ORANGE CONDUIT AND WEIGHTED WITH SAND BAGS AND FLAGGED FOR AVOIDANCE BY MOWERS. THE DURATION OF THE USE OF TEMPORARY JUMPER CABLES MUST BE MINIMIZED AND BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICERS AND INSPECTION PERSONNEL PRIOR TO INSTALLATION.
8. WORK AREA 1 INVOLVES WORK IN THE AIRFIELD LIGHTING VAULT BUILDING 1241 AND HOME RUN CABLE INSTALLATION. AIRFIELD LIGHTING VAULT REPAIR AND EXPANSION WORK MUST BE COORDINATED WITH THE OTHER SUB-PROJECTS. TEMPORARY WORK IN THE VAULT WILL BE REQUIRED TO MAINTAIN AIRFIELD LIGHTING IN OPERATION.
9. WORK AREAS 2B, 3B, 4B, 6A, 6B, AND 7 REQUIRE RUNWAY CLOSURES. PORTIONS OF THE RUNWAYS WILL REMAIN OPEN FOR TAXIING. SEE WORK AREA NOTES.
10. CONTRACTOR MUST NOT CROSS ACTIVE RUNWAYS DURING THIS PROJECT. ACTIVE TAXIWAY CROSSINGS REQUIRE A TRAINED RADIO EQUIPPED FLAGMAN ON BOTH SIDES OF THE TAXIWAY AND A SWEEPER/VACUUM TRUCK DURING ALL HAULING OPERATIONS.
11. THE HAUL ROUTES UTILIZE THREE GATES. A GATE AT THE NORTHEAST SIDE OF THE AIRFIELD FOR ENTRY FROM OCEAN DRIVE, A GATE AT THE SOUTHWEST SIDE OF THE AIRFIELD FOR ENTRY THROUGH THE FLOUR BLUFF GATE, AND A GATE 19 FOR ENTRY TO THE WORK AREAS EAST OF RUNWAY 13L-31R. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND/OR IMPROVING THE ACCESS ROAD AS NECESSARY TO SUPPORT CONSTRUCTION TRAFFIC FOR THE DURATION OF THE PROJECT.
12. HAUL ROUTES MUST BE DELINEATED WITH WATER-FILLED, LOW PROFILE AIRPORT BARRICADES ON EITHER SIDE OF THE ROUTE AND SPACED NO MORE THAN 50-FEET ON CENTER, BARRICADES MUST BE LIT DURING NIGHT OPERATIONS TO PREVENT CONSTRUCTION VEHICLES FROM TRAVELING OUTSIDE OF THE DELINEATED ROUTE. THESE BARRICADES MUST BE ORANGE AND MEET THE REQUIREMENTS OF FAA ADVISORY CIRCULAR 150-5370-2E.
13. THE CONTRACTORS TEMPORARY HAUL ROUTE FROM GATE 19 (EAST ACCESS) TO THE WORK AREAS ON TAXIWAY E MUST BE CONSTRUCTED A MINIMUM OF 300' FROM THE RUNWAY 13L-31R CENTERLINE AND EXTENDED CENTERLINE AND MARKED WITH ORANGE SAFETY FENCE ON THE RUNWAY SIDE OF THE HAUL ROUTE. TAXIWAY D MUST NOT BE USED AS A HAUL ROUTE IF RUNWAY 13L-31R IS OPEN.
14. SEE RUNWAY CLOSURE MARKER AND BARRICADE SCHEDULE FOR LOCATION AND APPLICABLE WORK AREA INFORMATION.

WORK AREA NOTES

- 1. THE TAXIWAY E REPAIRS ARE ANTICIPATED TO BE CONDUCTED IN THREE MAJOR SUB-PHASES AND THE FOLLOWING SEQUENCE:
A. TAXIWAY E - WEST
B. TAXIWAY E - MIDFIELD
C. TAXIWAY E - EAST
2. AIRFIELD IMPACTS SUMMARY. THESE FACILITIES WILL BE TEMPORARILY IMPACTED DURING THE PROJECT. DURATION OF THE CLOSURES VARIES. MAXIMUM DURATION IS SHOWN IN THE WORK AREA DESCRIPTIONS.
A. RUNWAY 4-22 CLOSED FOR NAVAID INSTALLATION AND SHOULDER WORK. OPEN FOR TAXI
B. RUNWAY 17-35 CLOSED FOR NAVAID INSTALLATION, SHOULDER, AND INTERSECTION WORK. OPEN FOR TAXI.
C. RUNWAY 13R-31L CLOSED FOR INTERSECTION WORK.
D. RUNWAY 13L-31R CLOSED FOR INTERSECTION WORK
E. TAXIWAY E PORTIONS CLOSED
F. TAXIWAY Y CLOSED FOR INTERSECTION WORK
G. TAXIWAY D CLOSED FOR FILLET WIDENING AND INTERSECTION WORK.
H. TAXIWAYS A&B CLOSED FOR AIRFIELD DUCT CROSSINGS.
I. TAXIWAY R COMPASS ROSE CLOSED.
J. TAXIWAY W (WASH RACK) CLOSED
K. TAXIWAY Z CLOSED.
3. IT IS ANTICIPATED THAT WORK AREAS WILL BE RE-ENTERED AFTER MAJOR INFRASTRUCTURE WORK IS COMPLETED FOR THE CONTRACTOR TO PERFORM CABLE CONNECTIONS AND TERMINATIONS AND FINAL ACTIVATION OF REPLACEMENT CIRCUITS. RE-ENTRY INTO WORK AREAS AFTER MILESTONE COMPLETION WILL BE ON A BASIS TO NOT IMPACT CURRENT OPERATIONS, AND MUST BE APPROVED IN ADVANCE BY THE CONTRACTING OFFICER.

WORK AREA DESCRIPTIONS

- WORK AREA 1: AIRFIELD LIGHTING VAULT BUILDING 1241
IMPACTS: NO PAVEMENT CLOSURES. HAUL TRAFFIC REQUIRES ATCT CLEARANCE ON ACTIVE TAXIWAYS. AIRFIELD LIGHTING IMPACTS LIMITED TO SHORT DURATION CUTOVERS DURING DAY VFR WEATHER OR BY USE OF TEMPORARY TAXIWAY AND APRON EDGE LIGHTING.
WORK: DEMO OF ELECTRICAL, INTERIOR AND EXTERIOR ELECTRICAL WORK
DURATION: NO RESTRICTION WITHIN THE CONTRACT TIME
WORK AREA 2A: TAXIWAY E - WEST
IMPACTS: E - BETWEEN RUNWAY 4 AND RUNWAY 13R-31L
WORK: DEMO OF ELECTRICAL AND LIGHTING EQUIPMENT, PAVEMENT REPAIR, SHOULDER PAVEMENT DEMO, GRADING, ELECTRICAL REPAIR WORK, ELECTRICAL COMPLETION WORK, SEALING AND STRIPING
DURATION: 90 CALENDAR DAYS
WORK AREA 2B: RUNWAY 4 END NAVAIDS AND SHOULDERS
IMPACTS: A- RUNWAY 4-22 CLOSED, PORTION OF RUNWAY 4-22 USEABLE FOR TAXIING, E - BETWEEN RUNWAY 4 AND RUNWAY 13R-31L
WORK: PAPI AND REIL INSTALLATION. CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS
DURATION: 10 CALENDAR DAYS
WORK AREA 3A: RUNWAY 17-35 DUCT CROSSING
IMPACTS: B - RUNWAY 17-35 CLOSED, PORTION OF RUNWAY 17-35 USEABLE FOR TAXIING TWY-Y BETWEEN RWY 4-22 & 17-35
WORK: CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS
DURATION: 7 DAYS
WORK AREA 3B: RUNWAY 4-22 DUCT CONNECTION
IMPACTS: A - RUNWAY 4-22 CLOSED, RWY 4-22 USEABLE FOR TAXIING
WORK: CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS
DURATION: 2 DAYS
WORK AREA 4A: RUNWAY 13L-31R DUCT CROSSING
IMPACTS: B - RUNWAY 17-35 CLOSED FOR HAULING OPERATIONS, D - RUNWAY 13L-31R CLOSED
WORK: CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS, DUCT CROSSING OF RWY 13L-31R
DURATION: 10 DAYS
WORK AREA 4B: RUNWAY 4-22 DUCT CONNECTION
IMPACTS: A - RUNWAY 4-22 CLOSED, B - RUNWAY 17-35 FOR HAULING OPERATIONS, D - RUNWAY 13L-31R FOR HAULING OPERATIONS
WORK: CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS
DURATION: 2 DAYS
WORK AREA 5: RUNWAY 13-R-31L DUCT CROSSING TWY-Y WEST OF RWY 4-22
IMPACTS: C-RUNWAY 13R-31L CLOSED MAXIMUM OF 4 HOURS. MUST BE ABLE TO REOPEN WITH 15 MINUTES NOTICE FOR LARGE AIRCRAFT AND EMERGENCIES. RUNWAY MUST BE FULLY OPEN AT NIGHT AND WHEN WORK IS NOT UNDERWAY.
WORK: CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS, DUCT CROSSING OF RWY 13R-31L
DURATION: 3 DAYS
TAXIWAY E - MIDFIELD
WORK AREA 1: AIRFIELD LIGHTING VAULT BUILDING 1241
IMPACTS: NO PAVEMENT CLOSURES. HAUL TRAFFIC REQUIRES ATCT CLEARANCE ON ACTIVE TAXIWAYS. AIRFIELD LIGHTING IMPACTS LIMITED TO SHORT DURATION CUTOVERS DURING DAY VFR WEATHER OR BY USE OF TEMPORARY TAXIWAY AND APRON EDGE LIGHTING.
WORK: DEMO OF ELECTRICAL, INTERIOR AND EXTERIOR ELECTRICAL WORK
DURATION: TOTAL NO RESTRICTION WITHIN THE CONTRACT TIME

- WORK AREA 6A AND 6B: RUNWAY 17 AND 22 NAVAIDS
IMPACTS: A- RUNWAY 4-22 CLOSED, RUNWAY 4-22 USABLE FOR TAXIING, B - RUNWAY 17-35 CLOSED
WORK: PAPI AND REIL INSTALLATION. CONDUIT AND ELECTRICAL, INSTALLATION IN SHOULDERS
DURATION: 20 DAYS
WORK AREA 7: RUNWAY 35 NAVAIDS
IMPACTS: B - RUNWAY 17-35 CLOSED, PORTIONS OF RUNWAY 17-35 USABLE FOR TAXIING
WORK: TAXIWAY Z CLOSED, PAPI AND REIL INSTALLATION. CONDUIT AND ELECTRICAL, INSTALLATION IN SHOULDERS
DURATION: 10 DAYS
WORK AREA 8: RUNWAY 17-35 AND 13R-31L INTERSECTION
IMPACTS: B - RUNWAY 17-35 CLOSED, C - 13R-31L CLOSED DURING WORK. RUNWAY MUST REOPEN FULL AT NIGHT OR WHEN WORK IS NOT UNDERWAY
E - TAXIWAY E BETWEEN RUNWAYS 13R-31L AND 13L-31R
WORK: TAXIWAY E WEST CLOSED, TAXIWAY Y-1 CLOSED, DEMO OF ELECTRICAL AND LIGHTING EQUIPMENT, PAVEMENT REPAIR, SHOULDER PAVEMENT DEMO, GRADING, ELECTRICAL REPAIR WORK, ELECTRICAL COMPLETION WORK, SEALING AND STRIPING
DURATION: 20 DAYS
WORK AREA 9: TAXIWAY E AND RUNWAY 13L-31R INTERSECTION
IMPACTS: D - RUNWAY 13L-31R CLOSED, E - TAXIWAY E BETWEEN RUNWAYS 13R-31L AND TAXIWAY Y
WORK: TAXIWAY D SOUTH OF TAXIWAY E, DEMO OF ELECTRICAL AND LIGHTING EQUIPMENT, PAVEMENT REPAIR, SHOULDER PAVEMENT DEMO, GRADING, ELECTRICAL REPAIR WORK, ELECTRICAL COMPLETION WORK, SEALING AND STRIPING
DURATION: 28 DAYS
TAXIWAY E - EAST
WORK AREA 1: AIRFIELD LIGHTING VAULT BUILDING 1241
IMPACTS: NO PAVEMENT CLOSURES. HAUL TRAFFIC REQUIRES ATCT CLEARANCE ON ACTIVE TAXIWAYS. AIRFIELD LIGHTING IMPACTS LIMITED TO SHORT DURATION CUTOVERS DURING DAY VFR WEATHER OR BY USE OF TEMPORARY TAXIWAY AND APRON EDGE LIGHTING.
WORK: DEMO OF ELECTRICAL, INTERIOR AND EXTERIOR ELECTRICAL WORK
DURATION: TOTAL NO RESTRICTION WITHIN THE CONTRACT TIME
WORK AREA 9: TAXIWAY E AND RUNWAY 13L-31R INTERSECTION (CONTINUATION OF TAXIWAY E-MIDFIELD WORK)
IMPACTS: D - RUNWAY 13L-31R CLOSED, E - TAXIWAY E BETWEEN RUNWAYS 13R-31L AND TAXIWAY Y
WORK: DEMO OF ELECTRICAL AND LIGHTING EQUIPMENT, PAVEMENT REPAIR, SHOULDER PAVEMENT DEMO, GRADING, ELECTRICAL REPAIR WORK, ELECTRICAL COMPLETION WORK, SEALING AND STRIPING
DURATION: 28 DAYS. SAME TIME PERIOD AS TAXIWAY E-MIDFIELD. CONTRACTOR EXPECTED TO SHIFT WORK ACCESS TO EAST AREAS DURING WORK AREA 9.
WORK AREA 10: TAXIWAY E AND TAXIWAY Y INTERSECTION
IMPACTS: E- TAXIWAY E CLOSED BETWEEN RUNWAY 13L-31R AND TAXIWAY W, F- TAXIWAY Y CLOSED BETWEEN TAXIWAYS W, AND A, I - TAXIWAY R (COMPASS ROSE) CLOSED
WORK: DEMO OF ELECTRICAL AND LIGHTING EQUIPMENT, PAVEMENT REPAIR, SHOULDER PAVEMENT DEMO, GRADING, ELECTRICAL REPAIR WORK, ELECTRICAL COMPLETION WORK, SEALING AND STRIPING
DURATION: 28 DAYS.
WORK AREA 11: TAXIWAY E, EAST OF TAXIWAY Y
IMPACTS: E - TAXIWAY E CLOSED BETWEEN TAXIWAY D AND TAXIWAY Y, G - TAXIWAY D CLOSED DURING FILLET WIDENING WORK, I - TAXIWAY R (COMPASS ROSE) CLOSED, J - TAXIWAY W CLOSED. WASH RACK USABLE FOR TOWED AIRCRAFT
WORK: DEMO OF ELECTRICAL AND LIGHTING EQUIPMENT, PAVEMENT REPAIR, SHOULDER PAVEMENT DEMO, GRADING, ELECTRICAL REPAIR WORK, ELECTRICAL COMPLETION WORK, SEALING AND STRIPING
DURATION: 28 DAYS
WORK AREA 12: TAXIWAY B DUCT CROSSING
IMPACTS: L - TAXIWAY B CLOSED
WORK: CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS
DURATION: 3 DAYS
WORK AREA 13: TAXIWAY A DUCT CROSSING
IMPACTS: M - TAXIWAY A CLOSED BETWEEN TAXIWAY Y AND APRON
WORK: CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS
DURATION: 3 DAYS

FILE NAME: N:\14072\04\_G001\_REPAIR\_TWE\1302443-G-0008.dwg LAYOUT NAME: G008 PLOTTED: Tuesday, November 10, 2015 - 11:23am USER: nrm

NAVAFAC logo, State of Texas seal, LEIDOS logo, DELTA AIRPORT CONSULTANTS, INC. logo, APPROVED FOR COMMANDER NAVFAC, ACTIVITY, SATISFACTORY TO DATE, PROJECT MANAGER, DEPARTMENT OF THE NAVY, NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST, NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'E', PHASING NOTES, SCALE: NONE, PROJECT NO., CONSTR. CONTR. NO., NAVFAC DRAWING NO. 15095136, SHEET 8 OF 145, GI008, DRAWING REVISION: 5 APRIL 2012

1

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3

4

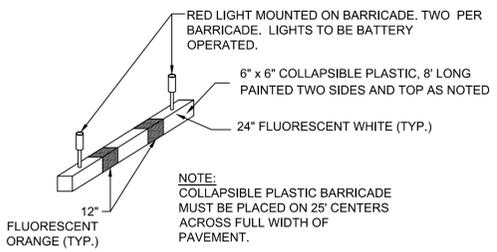
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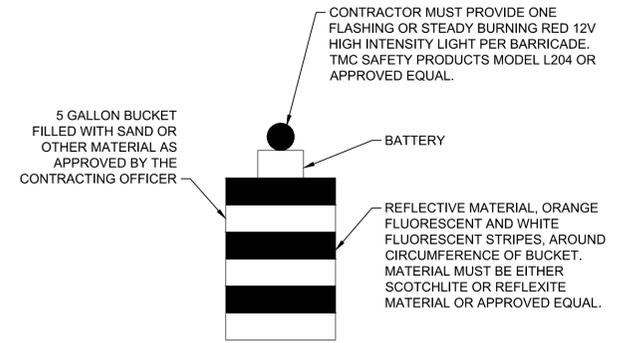
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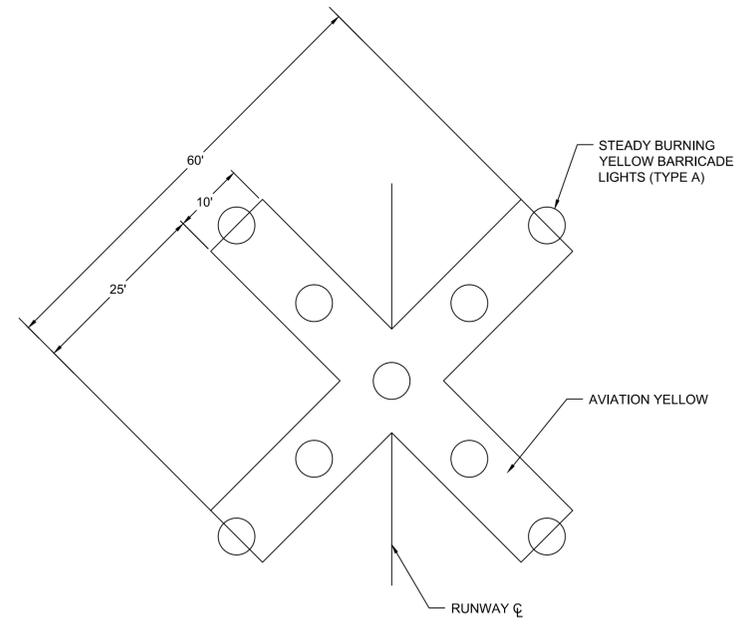
**1** **TEMPORARY MOVEMENT AREA LOW PROFILE AIRFIELD BARRICADE DETAIL**  
SCALE: NTS

- NOTES:
- CONTRACTOR TO PROVIDE A FAA APPROVED (FAA AC 150/5370-2E), LIGHTED RUNWAY CLOSURE MARKER AS A TEMPORARY CLOSED MARKER TO WARN PILOTS OF CLOSED RUNWAYS AND TAXIWAYS.
  - LOCATION OF TEMPORARY CLOSED MARKERS MUST BE COORDINATED WITH THE CONTRACTING OFFICER.



**2** **BUCKET AVIATION BARRICADE DETAIL**  
SCALE: NTS

- NOTES:
- LIGHT MUST BE CLAMPED TO BUCKET BARRICADE OR MOUNTED TO LID.
  - FOR AIRSIDE USE ONLY.
  - CONTRACTOR MUST USE BUCKET BARRICADES TO DELINEATE HAUL ROADS ALONG ACTIVE AIRCRAFT MOVEMENT AREAS. MAXIMUM 100' SPACING, 50' ON CURVES.



**3** **LIGHTED CLOSED RW MARKER**  
SCALE: NTS

- NOTES:
- CLOSED MARKERS MUST BE PROVIDED AS THE FIRST ITEM OF WORK.
  - THE CLOSED MARKERS MAY BE CONSTRUCTED OF 40 POUND ROOFING PAPER, SNOW FENCE, OR OTHER MATERIAL APPROVED BY THE CONTRACTING OFFICER.
  - THE CONTRACTOR MUST MAKE FREQUENT INSPECTIONS OF THE MARKERS AND MAKE PROMPT REPAIRS AS NECESSARY.
  - THE CONTRACTOR MUST SCHEDULE THE CLOSING OF THE RUNWAYS AT LEAST ONE WEEK IN ADVANCE WITH THE CONTRACTING OFFICER.
  - LIGHTS ARE REQUIRED IF THE AREA BEING MARKED IS TO BE CLOSED AT NIGHT.

FILE NAME: N:\14072\04 CAD\REPAIR\_TWE\320443-g-0109.dwg LAYOUT NAME: G109 PLOTTED: Tuesday, November 10, 2015 - 11:23am USER: mmm

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DESCRIPTION	
APPR.	

**leidos**  
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ONE WEST 3RD ST.  
TULSA, OK 74103

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phone: (804) 275-8301 • fax: (804) 275-8371  
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Delta Project No. 14072 A&E-NEP

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MWK | DRW MRM | CHK JMM

PROJECT MANAGER

IPIT TECH. BRANCH HEAD

CHIEF ENGINEER (CORE)

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL FACILITIES ENGINEERING SOUTHEAST  
NAVAL AIR STATION JACKSONVILLE  
CHIEF CORE  
NAS CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'E'  
PHASING DETAILS

SCALE: NTS

PROJECT NO.:

CONSTR. CONTR. NO.:

NAVFAC DRAWING NO. 15095137

SHEET 9 OF 145

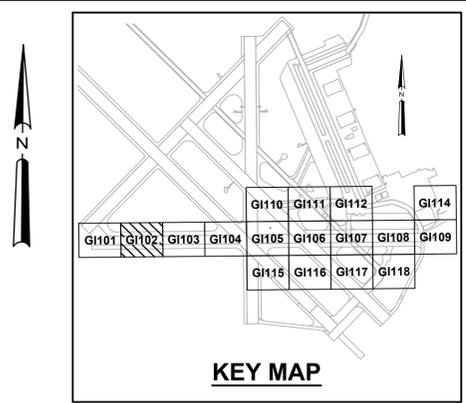
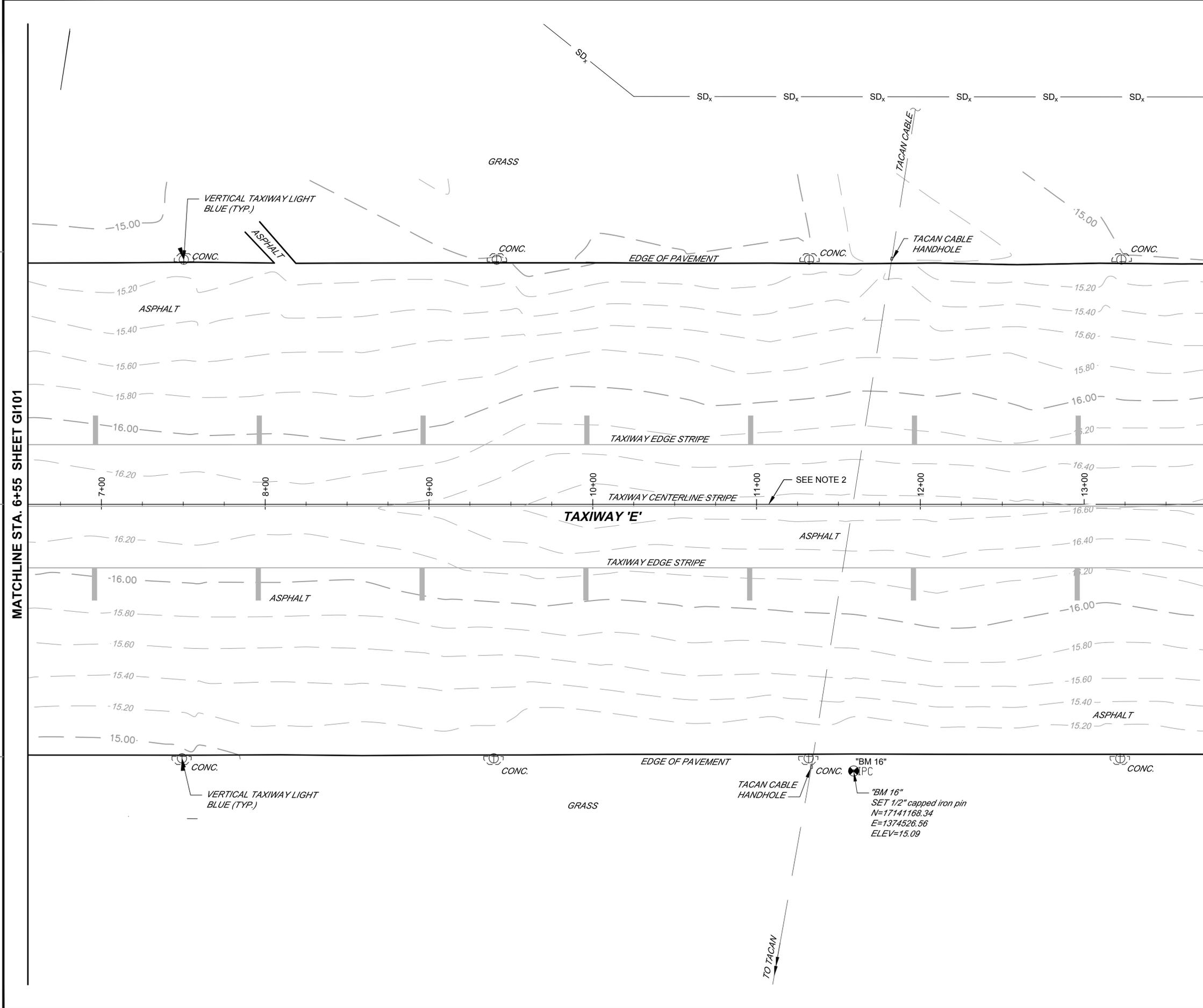
**G109**

DRAWFORM REVISION: 5 APRIL 2012



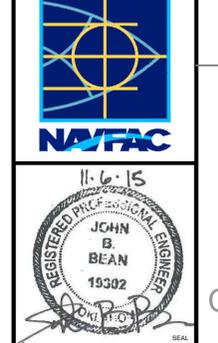


FILE NAME: P:\FBI\1650-TUL\COM\2051134900\_03a-repair\20\_DESIGN\40\_CAD\134900-03a-0102.dwg LAYOUT NAME: Layout\_PLOTTED: Tuesday, November 03, 2015 - 12:28pm USER: tcherm



- NOTES:**
- REFER TO SHEET NO. G1003 FOR GENERAL NOTES AND LEGEND.
  - TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

ISSUED FOR BID	0	DATE	6 NOV 2015
DESCRIPTION			



APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES SMS	draw MLT
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL AIR STATION JACKSONVILLE  
CIBL CORE  
NAS CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS  
CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'E'

EXISTING CONDITIONS SHEET 2 OF 17

SCALE: AS NOTED

PROJECT NO.: 15095140

CONSTR. CONTR. NO.:

NAVFAC DRAWING NO. 15095140

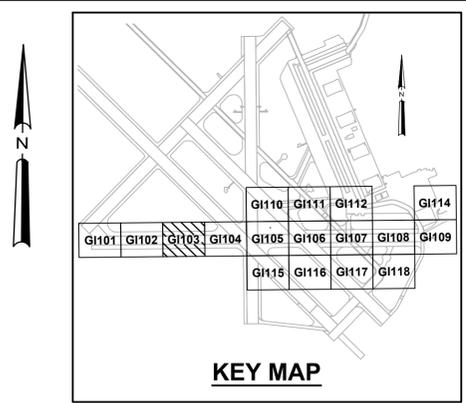
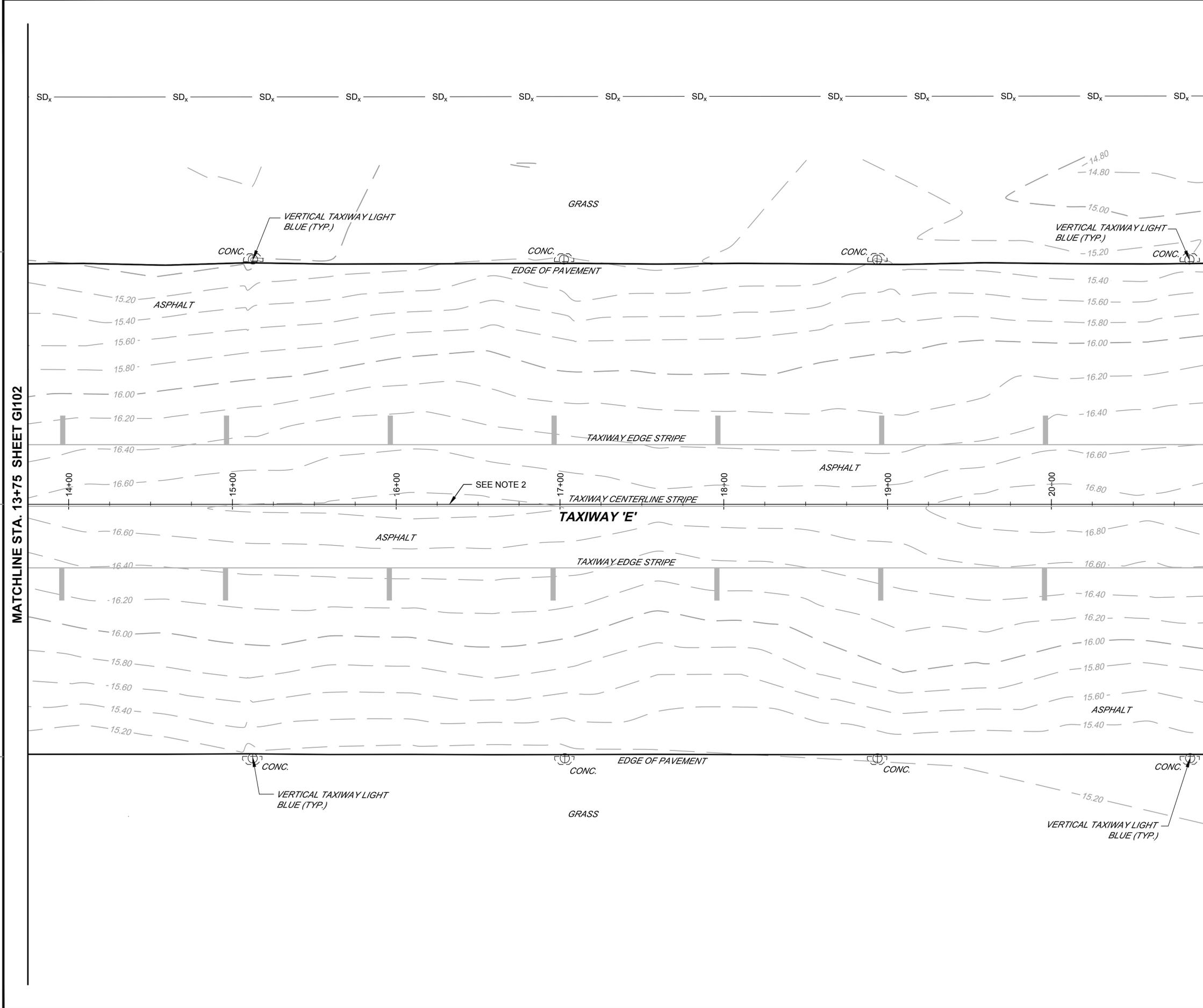
SHEET 12 OF 145

**G1102**

DRAWFORM REVISION: 5 APRIL 2012

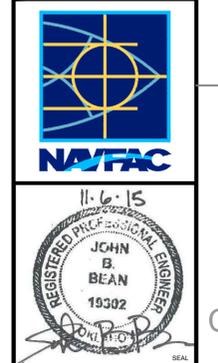


FILE NAME: P:\FB\1650-TUL\COM\2051134900\_03a-repair\20\_DESIGN\40\_CAD\134900-03a-g103.dwg LAYOUT NAME: Layout\_PLOTTED: Tuesday, November 03, 2015 - 12:29pm USER: tcherm



- NOTES:**
- REFER TO SHEET NO. G1003 FOR GENERAL NOTES AND LEGEND.
  - TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

ISSUED FOR BID	0	DATE	6 NOV 2015
DESCRIPTION			



APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	SMS
DRW	MLT
CHK	HWM
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING COMMAND  
 SOUTHEAST  
 NAVAL AIR STATION JACKSONVILLE  
 NAS CORPUS CHRISTI  
 NAS CORPUS CHRISTI AIRFIELD REPAIRS  
 TAXIWAY 'E'

EXISTING CONDITIONS SHEET 3 OF 17

SCALE: AS NOTED

PROJECT NO.: 15095141

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 15095141

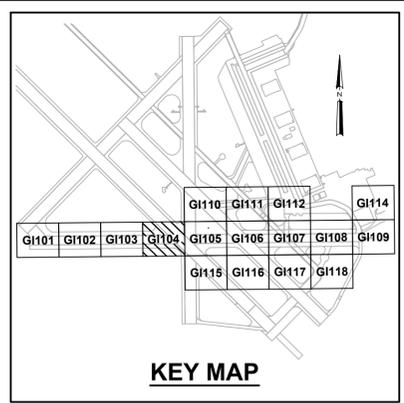
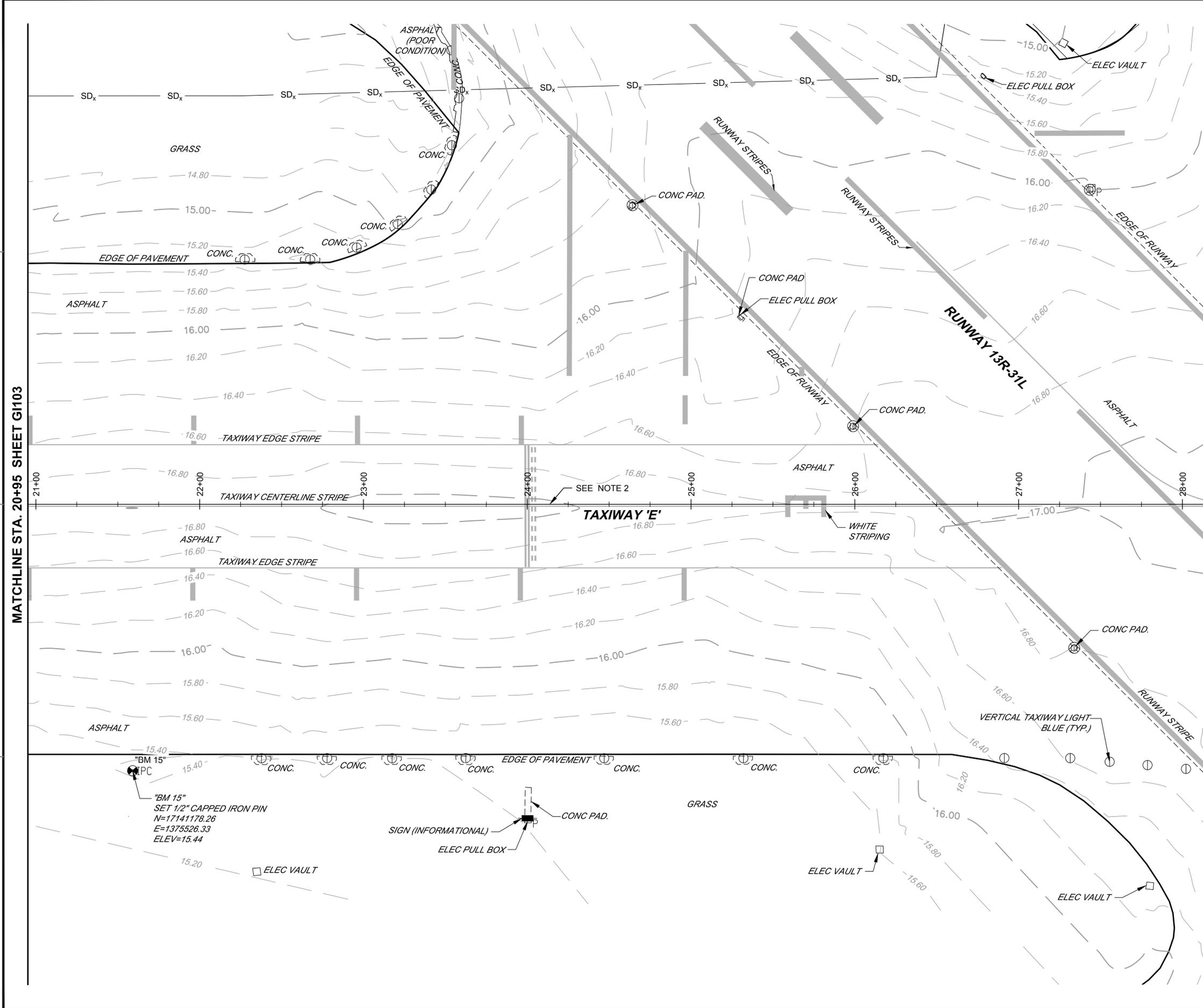
SHEET 13 OF 145

**G1103**

DRAWFORM REVISION: 5 APRIL 2012

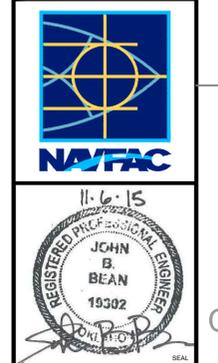


FILE NAME: P:\FBY\1650-TUL\CON\2051134900\_03a-0104.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, November 03, 2015 - 12:29pm USER: tcherm



- NOTES:**
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  - TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

ISSUED FOR BID	0	DATE	6 NOV 2015
DESCRIPTION			



APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	SMS
DRW	MLT
CHK	HWM
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	

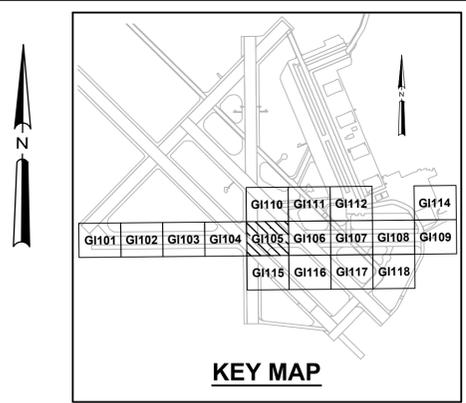
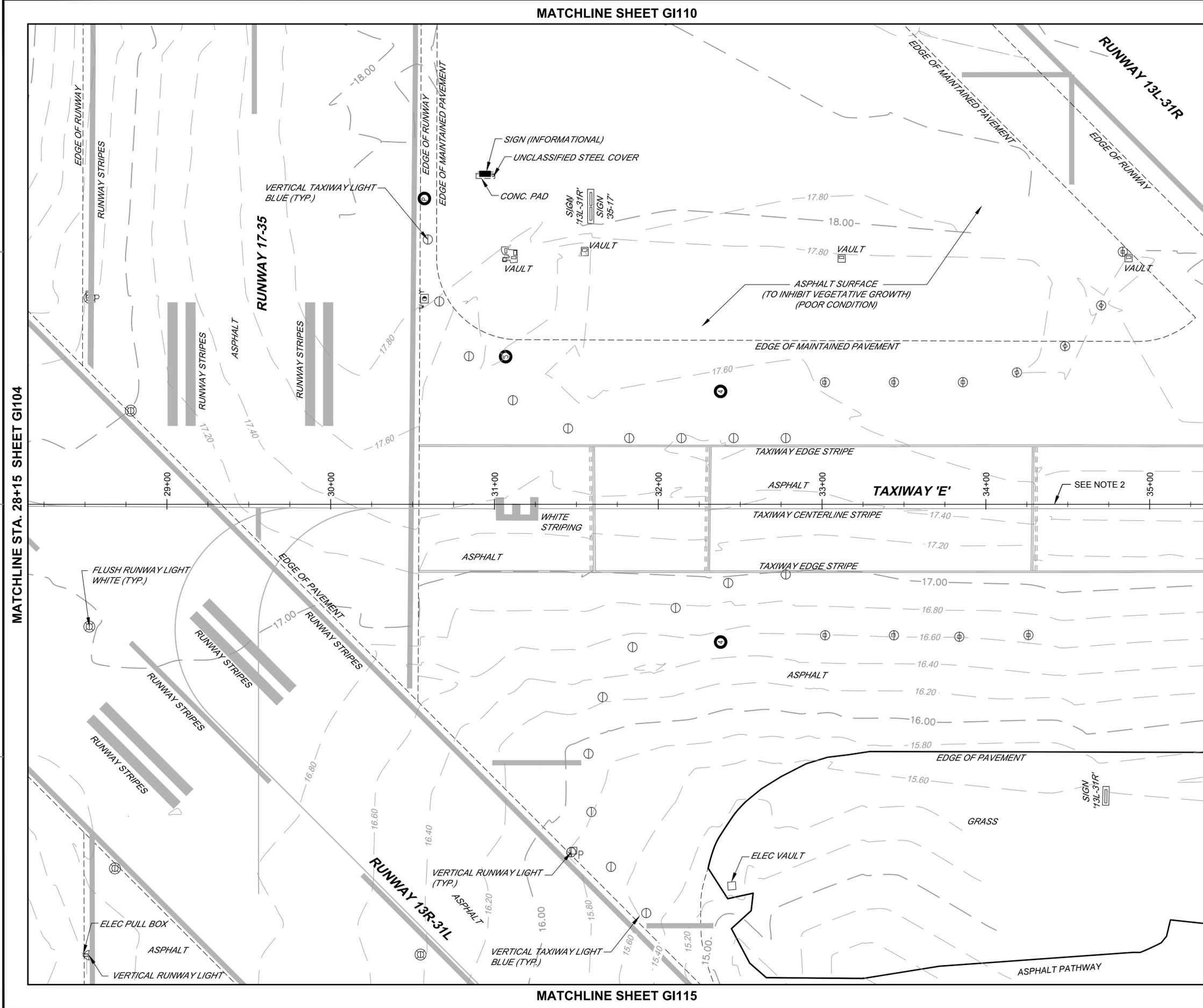
DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL AIR STATION JACKSONVILLE  
CIBL CORE  
CORPUS CHRISTI, TEXAS  
CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'E'

EXISTING CONDITIONS SHEET 4 OF 17

SCALE: AS NOTED  
PROJECT NO.:  
CONSTR. CONTR. NO.:  
NAVFAC DRAWING NO. 15095142  
SHEET 14 OF 145  
GI104  
DRAWFORM REVISION: 5 APRIL 2012

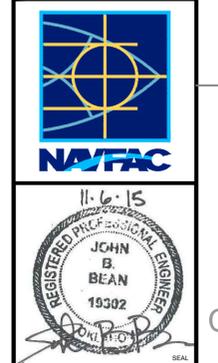


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- NOTES:**
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  - TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

ISSUED FOR BID	0	DATE	6 NOV 2015
DESCRIPTION			



APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	SMS
DRW	MLT
CHK	HWM
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL AIR STATION JACKSONVILLE  
CIBL CORE  
NAS CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'E'

EXISTING CONDITIONS SHEET 5 OF 17

SCALE: AS NOTED

PROJECT NO.: 15095143

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 15095143

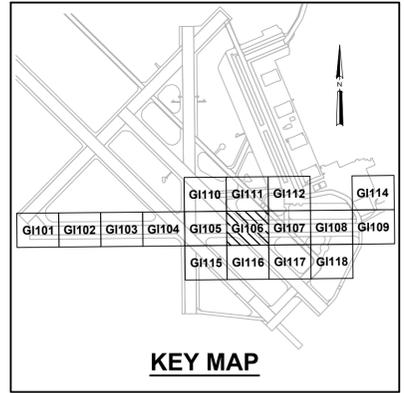
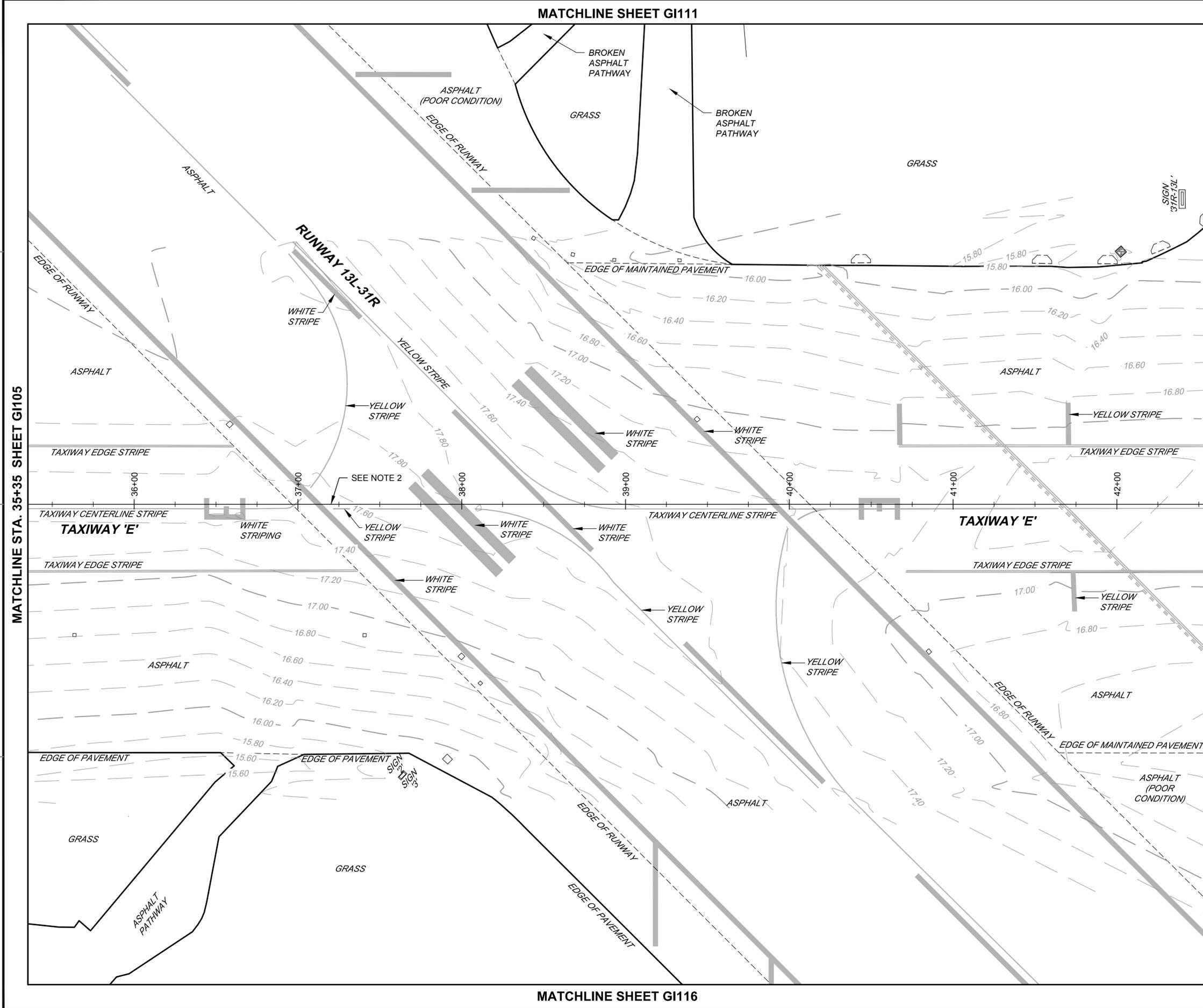
SHEET 15 OF 145

**G1105**

DRAWFORM REVISION: 5 APRIL 2012

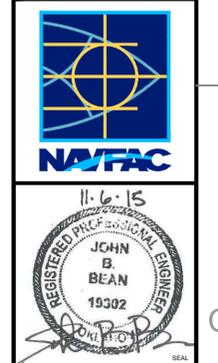


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- NOTES:**
- REFER TO SHEET NO. G1003 FOR GENERAL NOTES AND LEGEND.
  - TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

ISSUED FOR BID	0	DATE	6 NOV 2015
DESCRIPTION			



APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	SMS
PM / DM	draw MLT
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL AIR STATION JACKSONVILLE  
CIBL CORE  
NAS CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'E'

EXISTING CONDITIONS SHEET 6 OF 17

SCALE: AS NOTED

PROJECT NO.:  
CONSTR. CONTR. NO.

NAVFAC DRAWING NO.  
15095144

SHEET 16 OF 145

**G1106**

DRAWFORM REVISION: 5 APRIL 2012



