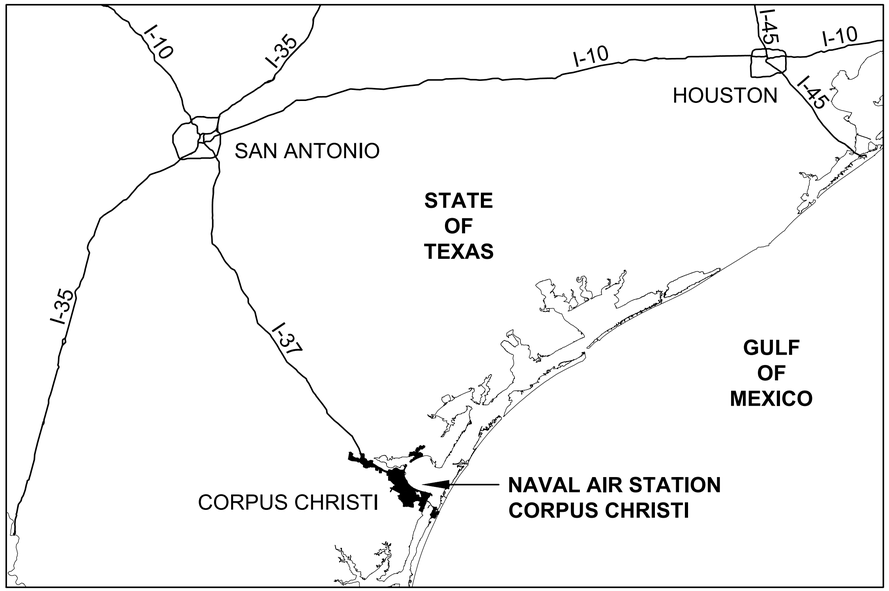
NAS CORPUS CHRISTI AIRFIELD REPAIRS

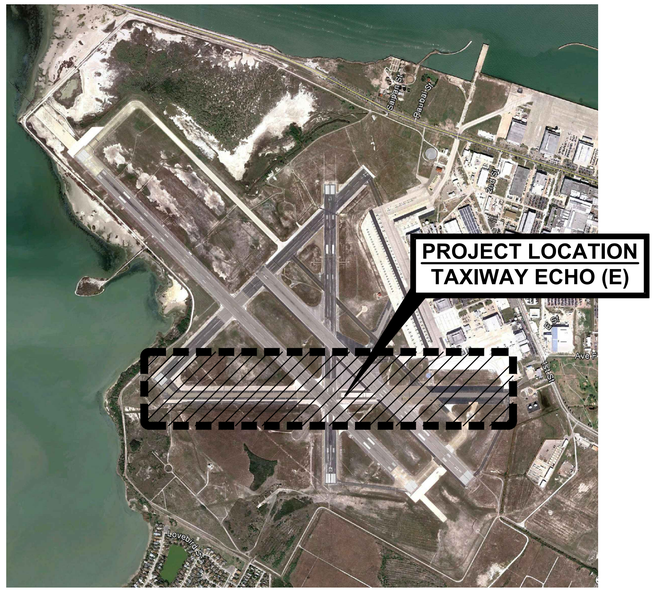
TAXIWAY 'E'

NAVAL AIR STATION CORPUS CHRISTI

CORPUS CHRISTI, TEXAS



AREA MAP



SITE MAP

N69450-15-R-0614

ISSUED FOR BID

8 JUNE 2015

SYM	DESCRIPTION	DATE	APPR.
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015 SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

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 FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
CIBL CORE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
COVER SHEET

SCALE: NTS

EPROJECT NO.:

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
15095129

SHEET 1 OF 145

GI001

DRAWFORM REVISION: 5 APRIL 2012

COMMANDER NAVFAC / B.L.T.L. - XXX
IPT TECH. BRANCH HEAD - XXX
IPT PROJECT MANAGER - XXX

DESIGN ARCHITECT - XXX
DESIGN MECHANICAL - XXX
DESIGN CIVIL - XXX
DESIGN STRUCTURAL - XXX
DESIGN ELECTRICAL - XXX
DESIGN FIRE PROTECTION - XXX

CHIEF ARCHITECT- RAYMOND RODRIGUEZ, R.A.
CHIEF MECHANICAL - STAN YEKALIS, P.E.
CHIEF CIVIL - ALBERT ROMERO, P.E.
CHIEF STRUCTURAL - KURT W. WITTMAN, P.E.
CHIEF ELECTRICAL - RAMÓN H. FLORES, P.E.
CHIEF FIRE PROTECTION-TAYLOR HUDSON, P.E.

FILE NAME: P:\FRB\1650-TUL\CIV\2051134800_NAS_CCA_Repairs\20_DESIGN\40_CAD\G\134800--03b--GI001.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 12:05pm USER: toberm

SHEET FORMAT IS 22" X 34". IF PRINTED SHEET IS NOT 22" X 34", THEN IT IS NOT TO SCALE

SHEET INDEX - TAXIWAY 'E'

GENERAL

1	GI001	COVER SHEET
2	GI002	INDEX SHEET
3	GI003	CIVIL GENERAL NOTES AND LEGEND
4	GI004	PHASE 1 MASTER PHASING PLAN
5	GI005	TAXIWAY E WEST PHASING LAYOUT
6	GI006	TAXIWAY E MIDFIELD PHASING LAYOUT
7	GI007	TAXIWAY E EAST PHASING LAYOUT
8	GI008	PHASING NOTES
9	GI009	PHASING DETAILS
10	GI100	MASTER SITE PLAN
11	GI101	EXISTING CONDITIONS SHEET 1 OF 17
12	GI102	EXISTING CONDITIONS SHEET 2 OF 17
13	GI103	EXISTING CONDITIONS SHEET 3 OF 17
14	GI104	EXISTING CONDITIONS SHEET 4 OF 17
15	GI105	EXISTING CONDITIONS SHEET 5 OF 17
16	GI106	EXISTING CONDITIONS SHEET 6 OF 17
17	GI107	EXISTING CONDITIONS SHEET 7 OF 17
18	GI108	EXISTING CONDITIONS SHEET 8 OF 17
19	GI109	EXISTING CONDITIONS SHEET 9 OF 17
20	GI110	EXISTING CONDITIONS SHEET 10 OF 17
21	GI111	EXISTING CONDITIONS SHEET 11 OF 17
22	GI112	EXISTING CONDITIONS SHEET 12 OF 17
23	GI114	EXISTING CONDITIONS SHEET 13 OF 17
24	GI115	EXISTING CONDITIONS SHEET 14 OF 17
25	GI116	EXISTING CONDITIONS SHEET 15 OF 17
26	GI117	EXISTING CONDITIONS SHEET 16 OF 17
27	GI118	EXISTING CONDITIONS SHEET 17 OF 17

CIVIL

28	CD101	DEMOLITION PLAN SHEET 1 OF 14
29	CD102	DEMOLITION PLAN SHEET 2 OF 14
30	CD103	DEMOLITION PLAN SHEET 3 OF 14
31	CD104	DEMOLITION PLAN SHEET 4 OF 14
32	CD105	DEMOLITION PLAN SHEET 5 OF 14
33	CD106	DEMOLITION PLAN SHEET 6 OF 14
34	CD107	DEMOLITION PLAN SHEET 7 OF 14
35	CD108	DEMOLITION PLAN SHEET 8 OF 14
36	CD109	DEMOLITION PLAN SHEET 9 OF 14
37	CD111	DEMOLITION PLAN SHEET 10 OF 14
38	CD112	DEMOLITION PLAN SHEET 11 OF 14
39	CD114	DEMOLITION PLAN SHEET 12 OF 14
40	CD117	DEMOLITION PLAN SHEET 13 OF 14
41	CD118	DEMOLITION PLAN SHEET 14 OF 14
42	CS101	GEOMETRY PLAN SHEET 1 OF 13
43	CS102	GEOMETRY PLAN SHEET 2 OF 13
44	CS103	GEOMETRY PLAN SHEET 3 OF 13
45	CS104	GEOMETRY PLAN SHEET 4 OF 13
46	CS105	GEOMETRY PLAN SHEET 5 OF 13
47	CS106	GEOMETRY PLAN SHEET 6 OF 13
48	CS107	GEOMETRY PLAN SHEET 7 OF 13
49	CS108	GEOMETRY PLAN SHEET 8 OF 13
50	CS109	GEOMETRY PLAN SHEET 9 OF 13
51	CS111	GEOMETRY PLAN SHEET 10 OF 13
52	CS112	GEOMETRY PLAN SHEET 11 OF 13
53	CS117	GEOMETRY PLAN SHEET 12 OF 13
54	CS118	GEOMETRY PLAN SHEET 13 OF 13
55	CS401	ENLARGED PLANS
56	CG101	GRADING PLAN SHEET 1 OF 13
57	CG102	GRADING PLAN SHEET 2 OF 13
58	CG103	GRADING PLAN SHEET 3 OF 13
59	CG104	GRADING PLAN SHEET 4 OF 13
60	CG105	GRADING PLAN SHEET 5 OF 13
61	CG106	GRADING PLAN SHEET 6 OF 13
62	CG107	GRADING PLAN SHEET 7 OF 13
63	CG108	GRADING PLAN SHEET 8 OF 13
64	CG109	GRADING PLAN SHEET 9 OF 13
65	CG111	GRADING PLAN SHEET 10 OF 13
66	CG112	GRADING PLAN SHEET 11 OF 13
67	CG117	GRADING PLAN SHEET 12 OF 13
68	CG118	GRADING PLAN SHEET 13 OF 13

SHEET INDEX - TAXIWAY 'E'

CIVIL (CONTINUED)

69	CP101	STRIPING PLAN SHEET 1 OF 18
70	CP102	STRIPING PLAN SHEET 2 OF 18
71	CP103	STRIPING PLAN SHEET 3 OF 18
72	CP104	STRIPING PLAN SHEET 4 OF 18
73	CP105	STRIPING PLAN SHEET 5 OF 18
74	CP106	STRIPING PLAN SHEET 6 OF 18
75	CP107	STRIPING PLAN SHEET 7 OF 18
76	CP108	STRIPING PLAN SHEET 8 OF 18
77	CP109	STRIPING PLAN SHEET 9 OF 18
78	CP110	STRIPING PLAN SHEET 10 OF 18
79	CP111	STRIPING PLAN SHEET 11 OF 18
80	CP112	STRIPING PLAN SHEET 12 OF 18
81	CP114	STRIPING PLAN SHEET 13 OF 18
82	CP115	STRIPING PLAN SHEET 14 OF 18
83	CP116	STRIPING PLAN SHEET 15 OF 18
84	CP117	STRIPING PLAN SHEET 16 OF 18
85	CP118	STRIPING PLAN SHEET 17 OF 18
86	CP120	STRIPING PLAN SHEET 18 OF 18
87	C-501	BARRICADE DETAILS
88	C-502	TAXIWAY SECTIONS AND DETAILS
89	C-503	CRACK REPAIR DETAILS SHEET 1 OF 3
90	C-504	CRACK REPAIR DETAILS SHEET 2 OF 3
91	C-505	CRACK REPAIR DETAILS SHEET 3 OF 3
92	C-506	JOINT DETAILS
93	C-507	STRIPING DETAILS SHEET 1 OF 3
94	C-508	STRIPING DETAILS SHEET 2 OF 3
95	C-509	STRIPING DETAILS SHEET 2 OF 3
96	C-701	EROSION CONTROL DETAILS SHEET 1 OF 2
97	C-702	EROSION CONTROL DETAILS SHEET 2 OF 2

ELECTRICAL

98	ES101	HOMERUN AND NAVAIDS PLAN
99	ED101	ELECTRICAL DEMOLITION PLAN
100	ED102	ELECTRICAL DEMOLITION PLAN
101	ED103	ELECTRICAL DEMOLITION PLAN
102	ED104	ELECTRICAL DEMOLITION PLAN
103	ED105	ELECTRICAL DEMOLITION PLAN
104	ED106	ELECTRICAL DEMOLITION PLAN
105	ED107	ELECTRICAL DEMOLITION PLAN
106	ED108	ELECTRICAL DEMOLITION PLAN
107	ED109	ELECTRICAL DEMOLITION PLAN
108	ED110	ELECTRICAL DEMOLITION PLAN
109	EA101	ELECTRICAL LAYOUT
110	EA102	ELECTRICAL LAYOUT
111	EA103	ELECTRICAL LAYOUT
112	EA104	ELECTRICAL LAYOUT
113	EA105	ELECTRICAL LAYOUT
114	EA106	ELECTRICAL LAYOUT
115	EA107	ELECTRICAL LAYOUT
116	EA108	ELECTRICAL LAYOUT
117	EA109	ELECTRICAL LAYOUT
118	EA110	ELECTRICAL LAYOUT
119	EA111	ELECTRICAL LAYOUT
120	EA112	ELECTRICAL LAYOUT
121	EA113	ELECTRICAL LAYOUT
122	EA114	ELECTRICAL LAYOUT
123	EA115	ELECTRICAL LAYOUT
124	EA116	ELECTRICAL LAYOUT
125	EA117	ELECTRICAL LAYOUT
126	EA118	ELECTRICAL LAYOUT
127	EA119	ELECTRICAL LAYOUT
128	EA120	ELECTRICAL LAYOUT
129	EA121	ELECTRICAL LAYOUT
130	EA122	ELECTRICAL LAYOUT
131	EA123	ELECTRICAL LAYOUT
132	EA124	ELECTRICAL LAYOUT
133	EA125	ELECTRICAL LAYOUT
134	EA126	ELECTRICAL LAYOUT
135	EA127	ELECTRICAL LAYOUT

SHEET INDEX - TAXIWAY 'E'

ELECTRICAL (CONTINUED)

136	E-501	ELECTRICAL DETAILS
137	E-502	ELECTRICAL DETAILS
138	E-503	ELECTRICAL DETAILS
139	E-504	ELECTRICAL DETAILS
140	E-505	REIL DETAILS
141	E-506	PAPI DETAILS
142	E-507	PAPI DETAILS
143	E-701	SIGN SCHEDULE
144	E-702	SIGN DETAILS
145	E-703	REHABILITATE EXISTING L-830 TRANSFORMER PLAN

STM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015

SEAL

leidos

LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com

Delta Project No. 14072 A/E INFO

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
CIBIL CORE:
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
INDEX SHEET

SCALE: NTS

EPROJECT NO.:

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
15095130

SHEET 2 OF 145

GI002

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\YDB\16S0-TUL\CIV\20511134800_NAS_CCA_Repair\20_DESIGN\40_CAD\G\134800-03b-GI002.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 12:05pm USER: toberm

SURVEY NOTES

1. 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).
2. 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"
3. THE AVERAGE COMBINED SCALE FACTOR FOR THE PROJECT IS: 0.9999713086
4. 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.
5. 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 UTILTIY NOTES:

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE.
2. ALL UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED AND MARKED PRIOR TO EXCAVATION, BORING, PROBING OR DRILLING.
3. 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.
4. NO EXCAVATION, PROBING, NOR OTHER FORM OF SUBSURFACE EXPLORATION WAS PERFORMED TO LOCATE OR VERIFY UNDERGROUND UTILITIES OR STRUCTURES.
5. THE ACTUAL LOCATIONS OF UNDERGROUND UTILITIES AND/OR STRUCTURES MAY VARY FROM THE LOCATIONS SHOWN HEREON.
6. 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

"BM1"
FND. PK NAIL W/TAG
N=17141318.59
E=1373525.07
ELEV=16.33

"BM 12"
SET 1/2" CAPPED IRON PIN
N=17140873.21
E=1376163.74
ELEV=15.50

"BM2"
FND. PK NAIL W/TAG
N=17141515.70
E=1373415.10
ELEV=16.56

"BM 15"
SET 1/2" CAPPED IRON PIN
N=17141178.26
E=1375526.33
ELEV=15.44

"BM 11"
SET 1/2" CAPPED IRON PIN
N=17141873.22
E=1376153.61
ELEV=16.30

"BM16"
SET 1/2" capped iron pin
N=17141168.34
E=1374526.56
ELEV=15.09

"CP 01"
FD SQ CUT,110,
N=17142983.89
E=1379073.71
ELEV=12.74

"CP 02"
S60D NAIL,116,
N=17146116.52
E=1371248.34
ELEV=2.71

"CP 03"
FD X-MARK,111,
N=17142380.96
E=1378190.24
ELEV=14.34

"CP 04"
S60D NAIL,117,
N=17146301.99
E=1371472.14
ELEV=4.25

BENCHMARKS AND CONTROL POINTS ARE SHOWN ON THE MASTER SITE PLAN, SHEET GI100. THEY ARE ALSO SHOWN ON SPECIFIC PLAN SHEETS WHERE THEY OCCUR.

GENERAL NOTES

1. 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'.
2. 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.
3. 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.
4. 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.
5. 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.
6. COORDINATE ALL WORK WITH CONTRACTING OFFICER IN ORDER TO MINIMIZE THE IMPACT OF THIS PROJECT ON STATION OPERATIONS.
7. 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.
8. 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.
9. 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 SHALL BE COORDINATED AND APPROVED BY THE CONTRACTING OFFICER.
10. 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.
11. TAKE APPROPRIATE MEASURES TO CONTROL DUST FROM EXITING THE WORK AREA.
12. PROVIDE A BACK-FLOW PREVENTER AND CONNECTIONS. THE GOVERNMENT WILL PROVIDE REASONABLE AMOUNTS OF WATER AND SEWER AT NO COST. LARGE AMOUNTS WILL BE PROVIDED AT A REASONABLE COST. COORDINATE WITH THE CONTRACTING OFFICER.
13. UNLESS OTHERWISE INDICATED, ALL PAVEMENT STRIPING TO MEET THE REQUIREMENTS OF IAW FAA ADVISORY CIRCULAR 150/5340,(CURRENT EDITION AT TIME OF BID) NAVAIR 51-50 AAA LATEST EDITION AND SPECIFICATION 32 17 23.
14. WHERE APPLICABLE, FOR STABILIZATION PURPOSES, A MINIMUM 15-FOOT WIDE STRIP OF BERMUDA SOD TO BE PLACED ADJACENT TO ALL PAVEMENT. SEE SPECIFICATION 32 92 23. ALL OTHER AREAS DISTURBED DURING CONSTRUCTION MUST BE EITHER SODDED OR HYDROSEEDED. SEE SPECIFICATION 32 92 19.
15. EXISTING STRIPING SHOWN ON THESE PLANS WERE LOCATED USING AERIAL PHOTOGRAPHY AND THEIR EXACT LOCATION MAY VARY.
16. IF DAMAGE OCCURS TO EXISTING SEAL DUE TO HIGH PRESSURE PAINT REMOVAL OPERATIONS, REPAIR THE SEAL AS DIRECTED.
17. EXISTING PAVEMENT TO BE DEMOLISHED AS SHOWN ON SHEETS CD101 - CD118 TO BE SAWCUT FULL-DEPTH WITH THE REMAINING ASPHALT PROTECTED.
18. INSTALL SILT FENCE AROUND THE PERIMETER OF THE PROJECT SITE AND SILT FENCE WITH STRAW BALES AROUND ALL INLETS SHOWN ON PLANS.
19. 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 AFTER INSTALLATION.
20. NO DEMOLITION SHALL OCCUR OUTSIDE OF PROPOSED LIMITS OF DISTURBANCE/LIMIT OF WORK.
21. FIELD VERIFY EXACT AREA OF EXISTING ASPHALT TO BE REMOVED.
22. REMOVE EXISTING STRIPING WITHIN THE LIMITS OF STRIPING REMOVAL ON THE EXISTING ASPHALT PAVEMENT THAT IS TO REMAIN. REMOVE EXISTING STRIPING PER SPECIFICATION SECTION 32 01 11.51.

GENERAL NOTES (CONTINUED)

23. 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.
24. PRIOR TO APPLICATION OF SEAL COAT, ANY CRACKS THAT NEED TO BE SEALED SHALL BE CLEANED AND SEALED PER DETAILS ON C-504 AND PER SPECIFICATION 32 01 17.16. CRACKS TO BE SEALED SHALL BE APPROVED BY THE CONTRACTING OFFICER.
25. 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.
26. CONTRACTOR PERSONNEL SHALL NOT UTILIZE PERSONALLY OWNED VEHICLES (POV) ON THE AIRFIELD. ALL POVS 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.
27. 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.
28. CONCRETE JOINTS:
    A. THE MINIMUM CLEARANCE BETWEEN DOWELS OF ADJACENT JOINTS SHALL BE 2 INCHES.
    B. 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.
    C. DO NOT BEGIN REPLACEMENT OF EXISTING JOINT SEALS UNTIL ALL EXISTING PAVEMENT MARKINGS HAVE BEEN REMOVED TO THE SATISFACTION OF THE GOVERNMENT.
    D. LENGTH TO WIDTH RATIOS SHALL NOT EXCEED 1.25 FOR NON-REINFORCED CONCRETE.
    E. JOINT TYPE AND LOCATIONS ARE BASED ON UFC 3-260-02.
29. 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*
E	*EXISTING ELECTRIC MANHOLE*		*EXISTING CONCRETE TO BE DEMOLISHED*
P	*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	16.00	*EXISTING MAJOR CONTOUR*
	EXISTING GRATE INLET	16.20	*EXISTING MINOR CONTOUR*
D	*EXISTING DRAINAGE MH WITH GRATE*	15.00	MAJOR CONTOUR
CONC	*EXISTING CONCRETE*	15.20	MINOR CONTOUR
EC	*EXISTING EDGE OF CONCRETE*	SD_x	*EXISTING STORM DRAIN*
EP	*EXISTING EDGE OF PAVEMENT*	E_x	*EXISTING UG ELECTRIC*
EOR	*EXISTING EDGE OF ROAD*	W_x	*EXISTING WATER*
FC	*EXISTING FENCE*	SF	INSTALL SILT FENCE WITH STRAW BALES (TYP.)
SE	*EXISTING SPOT ELEVATION*		LIMITS OF STRIPING REMOVAL
PS	*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*
IPC	CAPPED IRON PIN		JOINT IN CONCRETE
PK	PK NAIL		CONTRACTION JOINT IN EXISTING CONCRETE
	MONUMENT		
	BENCHMARK / CONTROL POINT		

STM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

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

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
CIBL CORE
NAS CORPUS CHRISTI
NAVAL AIR STATION JACKSONVILLE
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
CIVIL GENERAL NOTES AND LEGEND

SCALE: NTS
EPROJECT NO.:
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
15095131
SHEET 3 OF 145
GI003
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\FDB\16S0-TUL\CIV\205113480_MAS_CCA_Repair\20_DESIGN\40_CAD\G\134800-03b-GI003.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 12:05pm USER: taberm

US COAST GUARD

NORTH AIRFIELD ACCESS GATE 13

FUEL TANK PARKING

OCEAN DRIVE

OCEAN DRIVE

AIRFIELD LIGHTING VAULT BUILDING 1241

1ST STREET

USCBP APRON

ARFF

FUEL FARM

MAIN PARKING APRON

BASE OPS

TRANSIENT APRON

TWY B

TWY C

HGR 55

HGR 56

ATCT

HGR 57

HGR 58

HGR 59

CBP HGR

TWY D

TWY E (EAST)

TWY R

TWY B

TWY A

TWY Y

TWY Y

TWY D

WASH RACK TWY W

RUNWAY 17 & 22 NAVAIDS

RUNWAY 17-35

RUNWAY 4-22

RUNWAY 13L-31R

PAR

TWY E (MIDFIELD)

TWY Y1

TWY Y

EAST AIRFIELD ACCESS GATE 19

RUNWAY 13R-31L

RUNWAY 13R-31L

RUNWAY 17-35

ILS LOCALIZER ANTENNA

RUNWAY 13R APPROACH LIGHTS REPAIR

ILS GLIDE SLOPE ANTENNA

RUNWAY 4-22

TWY Z

TWY E (WEST)

RUNWAY 35 NAVAIDS

RUNWAY 4 NAVAIDS

TACAN

SOUTH ACCESS FLOUR BLUFF GATE 7

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

SYM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

STATE OF TEXAS
JON M. McCALMONT
100633
LICENSED PROFESSIONAL ENGINEER
8 JUN 15
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
9711 Forror Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES MWK DRW MRM CHK JMM

PROJECT MANAGER

IPT TECH. BRANCH HEAD

CHIEF ENG/ARCH (CORE)

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
CIBL CORE

NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE

NAS CORPUS CHRISTI

CORPUS CHRISTI, TEXAS

NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'E'

PHASE 1 MASTER PHASING PLAN

SCALE: 1"=400'

EPROJECT NO.:

CONSTR. CONTR. NO.

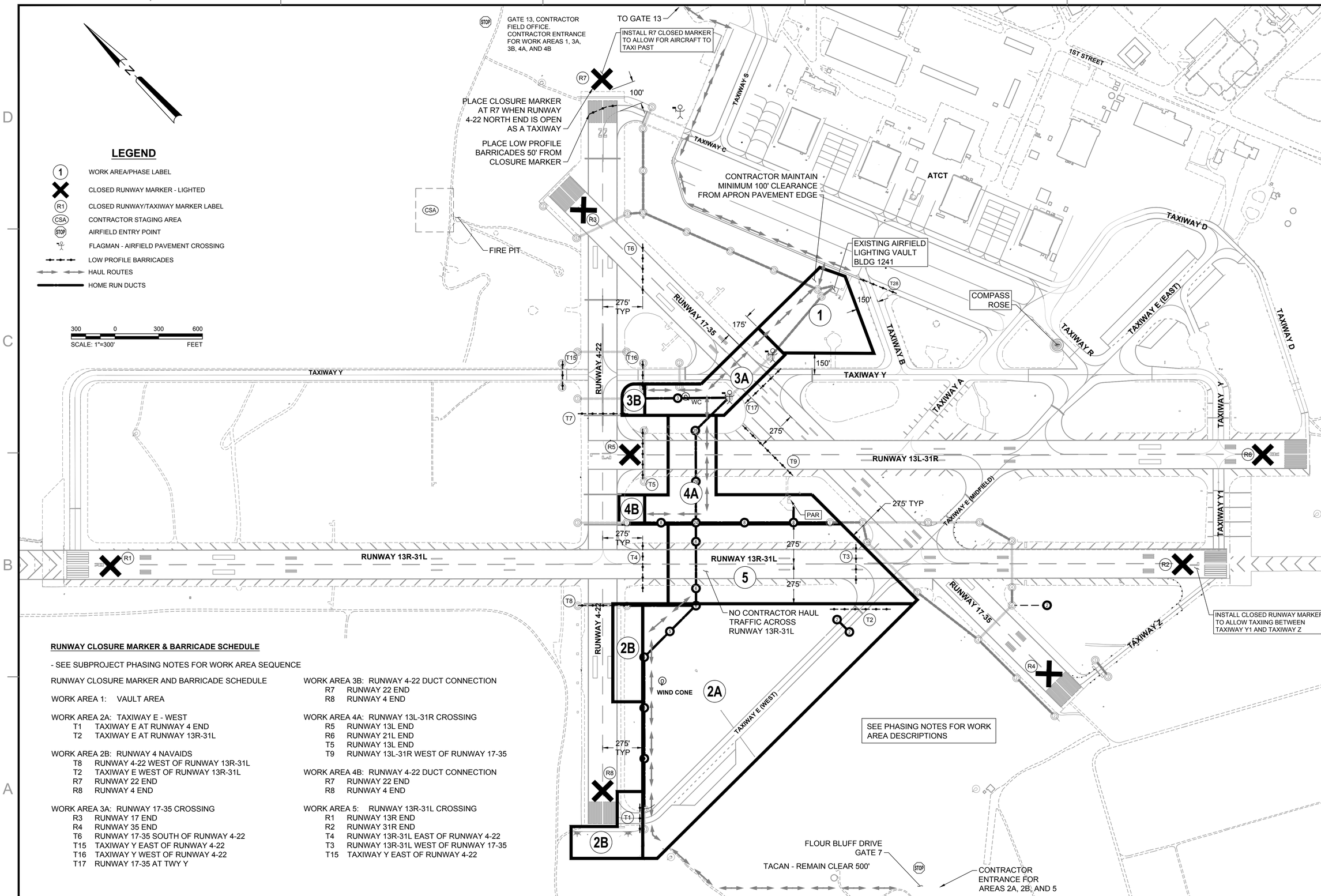
NAVFAC DRAWING NO.
15095132

SHEET 4 OF 145

GI004

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD__REPAIR_TWYE\1302443-C-GI004.dwg LAYOUT NAME: GI004 PLOTTED: Tuesday, June 09, 2015 - 10:01am USER: mrm



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

300 0 300 600
SCALE: 1"=300' FEET

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
- T15 TAXIWAY Y EAST 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 21L 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 EAST OF RUNWAY 4-22

SYM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

STATE OF TEXAS
JON M. McCALMONT
100633
LICENSED PROFESSIONAL ENGINEER
8 JUN 15
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
9711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MWK DRW MRM CHK JMM
PROJECT MANAGER
IPT TECH. BRANCH HEAD
CHIEF ENG/ARCH (CORE)

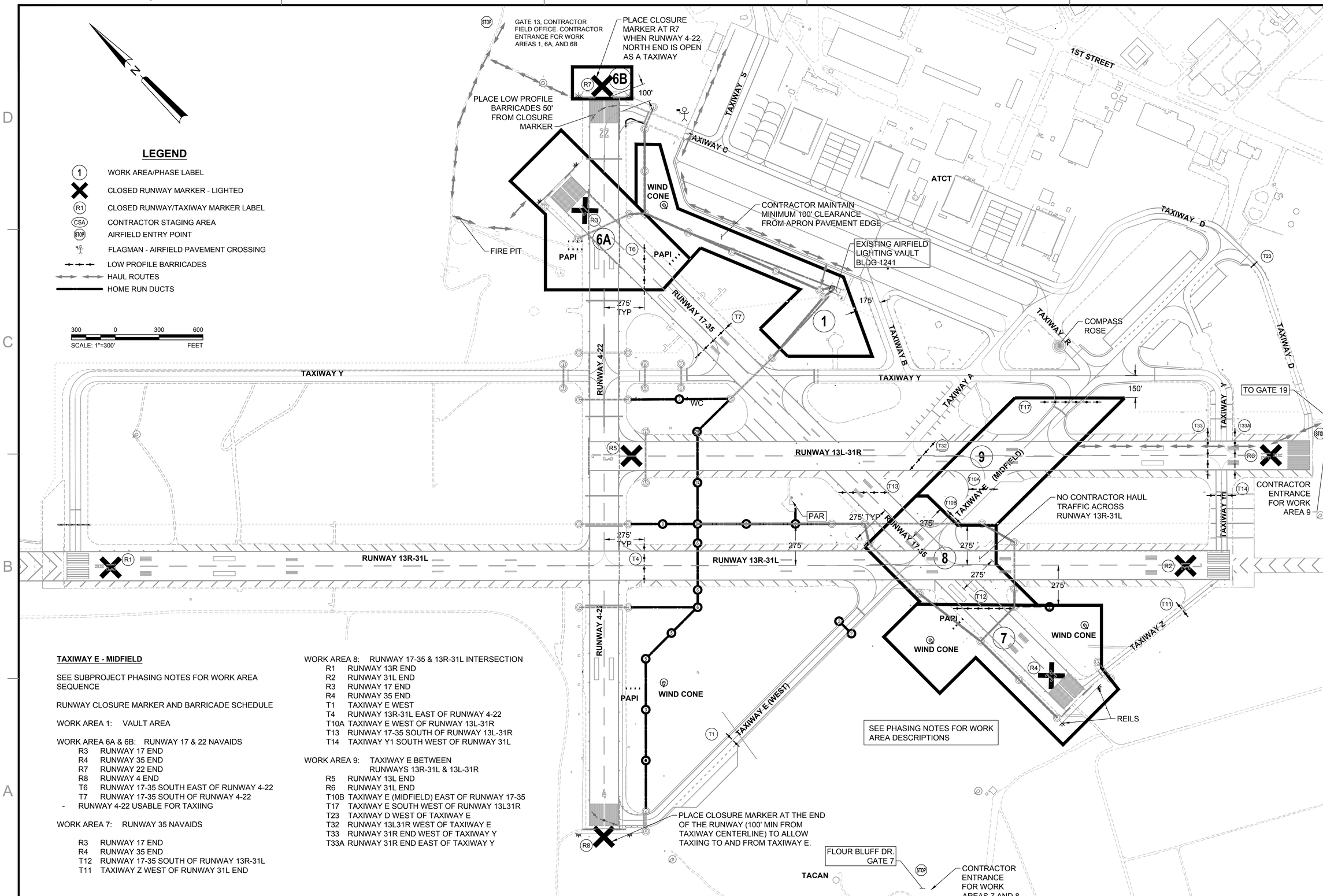
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
CIBL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS

NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
TAXIWAY E WEST PHASING LAYOUT

SCALE: 1"=300'
EPROJECT NO.:
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15095133
SHEET 5 OF 145
GI005

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD_REPAIR_TWY\1302443-G-GI005.dwg LAYOUT NAME: GI005 PLOTTED: Tuesday, June 09, 2015 - 10:01am USER: mrm



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 WEST 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

SYM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

STATE OF TEXAS — JON M. McCALMONT — 100633 — LICENSED PROFESSIONAL ENGINEER — 8 JUN 15 — SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
9711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MWK DRW MRM CHK JMM
PROJECT MANAGER
IPT TECH. BRANCH HEAD
CHIEF ENG/ARCH (CORE)

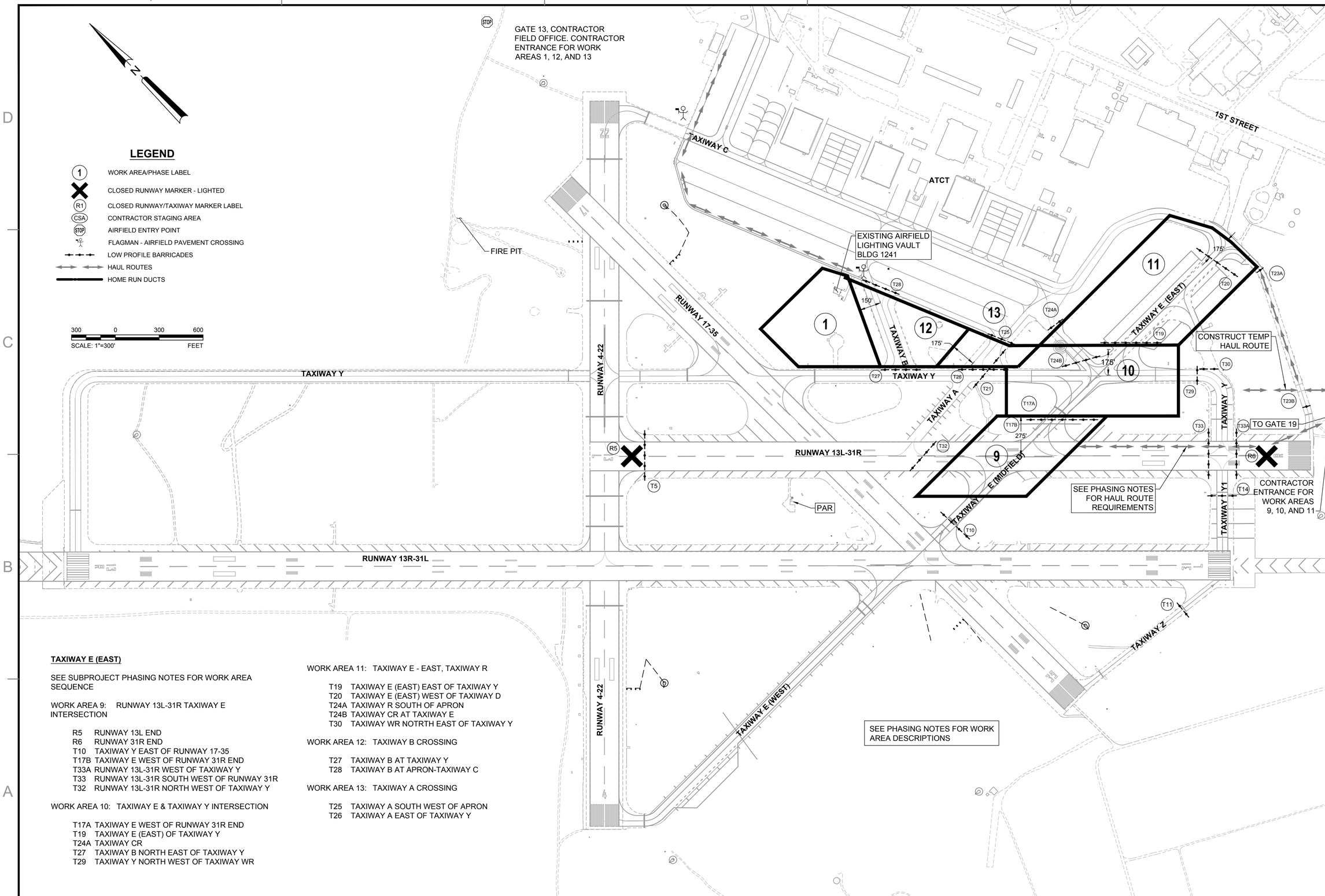
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
CIBIL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS

NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
TAXIWAY E MIDFIELD PHASING LAYOUT

SCALE: 1"=300'
EPROJECT NO.:
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15095134
SHEET 6 OF 145
GI006

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD_REPAIR_TWYE\1302443-C-GI006.dwg LAYOUT NAME: GI006 PLOTTED: Tuesday, June 09, 2015 - 10:01am USER: mrm



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
- T24A TAXIWAY CR
- T27 TAXIWAY B NORTH EAST OF TAXIWAY Y
- T29 TAXIWAY Y NORTH WEST OF TAXIWAY WR

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 CR AT TAXIWAY E
- T30 TAXIWAY WR NOTRTH 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

SYM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

STATE OF TEXAS
JON M. McCALMONT
100633
LICENSED PROFESSIONAL ENGINEER
8 JUN 15
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
9711 Forror Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES MWK DRW MRM CHK JMM
PROJECT MANAGER
IPT TECH. BRANCH HEAD
CHIEF ENG/ARCH (CORE)

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
CIBL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
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
GI007
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD_REPAIR_TWY\130443-G-GI007.dwg LAYOUT NAME: GI007 PLOTTED: Tuesday, June 09, 2015 - 10:01am USER: mrm

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 SHALL 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. CONTRACTOR SHALL BE 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. THE CONTRACTOR SHALL ANTICIPATE THE USE OF CONTRACTOR PROVIDED TEMPORARY AIRFIELD LIGHTING CONTAIN 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 SHALL 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 SHALL 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 SHALL 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 SHALL 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 SHALL 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 SHALL 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 UTILIZES A GATE AT THE NORTHEAST SIDE OF THE AIRFIELD FOR ENTRY FROM OCEAN DRIVE, AT THE SOUTHWEST SIDE OF THE AIRFIELD FOR ENTRY THROUGH THE FLOUR BLUFF GATE, AND 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. PAVEMENT SHALL 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 SHALL BE LIT DURING NIGHT OPERATIONS TO PREVENT CONSTRUCTION VEHICLES FROM TRAVELING OUTSIDE OF THE DELINEATED ROUTE. THESE BARRICADES SHALL 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 SHALL 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 SHALL 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.

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
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
WORK:
- CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS

DURATION: 7 DAYS

WORK AREA 3B: RUNWAY 4-22 DUCT CONNECTION
IMPACTS: A - RUNWAY 4-22 CLOSED
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

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
IMPACTS: C-RUNWAY 13R-31L CLOSED MAXIMUM OF 4 HOURS. SHALL BE ABLE TO REOPEN WITH 15 MINUTES NOTICE FOR LARGE AIRCRAFT AND EMERGENCIES. RUNWAY SHALL BE FULLY OPEN AT NIGHT AND WHEN WORK IS NOT UNDERWAY.
WORK:
- CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS

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
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
WORK:
- 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 SHALL REOPEN FULL AT NIGHT OR WHEN WORK IS NOT UNDERWAY
E - TAXIWAY E BETWEEN RUNWAYS 13R-31L AND 13L-31R
WORK:
- 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:
- 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, R, AND E-EAST
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 B CLOSED
WORK:
- CONDUIT AND ELECTRICAL INSTALLATION IN SHOULDERS

DURATION: 3 DAYS

SYM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

STATE OF TEXAS
JON M. McCALMONT
100633
LICENSED PROFESSIONAL ENGINEER
8 JUN 15
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
9711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

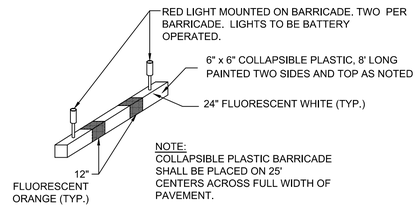
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES: MWK DRW: MRM CHK: JMM
PROJECT MANAGER
IPT TECH. BRANCH HEAD
CHIEF ENG/ARCH (CORE)

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

SCALE: NONE
EPROJECT NO.:
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
15095136
SHEET 8 OF 145
GI008

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD_REPAIR_TWYE\1302443-G-GI008.dwg LAYOUT NAME: GI008 PLOTTED: Tuesday, June 09, 2015 - 10:01am USER: mrm

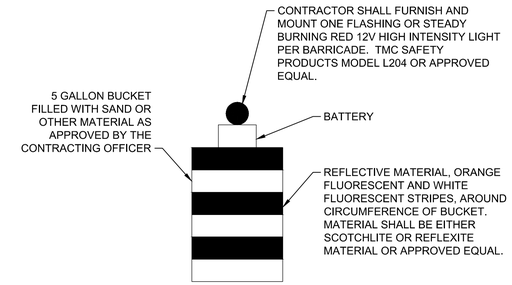


1 TEMPORARY MOVEMENT AREA AIRFIELD BARRICADE DETAIL

SCALE: NTS

NOTES:

1. CONTRACTOR SHALL 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.
2. LOCATION OF TEMPORARY CLOSED MARKERS SHALL BE COORDINATED WITH THE CONTRACTING OFFICER.

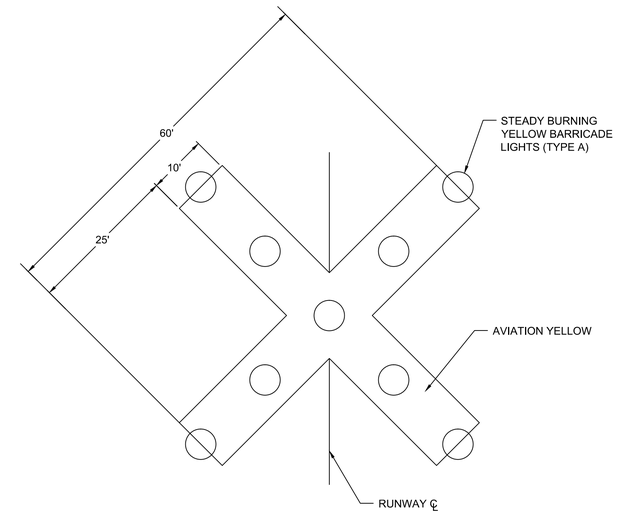


2 BUCKET AVIATION BARRICADE DETAIL

SCALE: NTS

NOTES:

1. LIGHT SHALL BE CLAMPED TO BUCKET BARRICADE OR MOUNTED TO LID.
2. FOR AIRSIDE USE ONLY.
3. CONTRACTOR SHALL 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

1. CLOSED MARKERS SHALL BE INSTALLED AS THE FIRST ITEM OF WORK.
2. THE CLOSED MARKERS MAY BE CONSTRUCTED OF 40 POUND ROOFING PAPER, SNOW FENCE, OR ANY OTHER MATERIAL APPROVED BY THE CONTRACTING OFFICER.
3. THE CONTRACTOR SHALL MAKE FREQUENT INSPECTIONS OF THE MARKERS AND MAKE PROMPT REPAIRS AS NECESSARY.
4. THE CONTRACTOR SHALL SCHEDULE THE CLOSING OF THE RUNWAYS AT LEAST ONE WEEK IN ADVANCE WITH THE CONTRACTING OFFICER.
5. LIGHTS REQUIRED IF THE AREA BEING MARKED IS TO BE CLOSED AT NIGHT.

SYM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

STATE OF TEXAS
JON M. McCALMONT
100633
LICENSED PROFESSIONAL ENGINEER
8 JUN 15
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
9711 Forror Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com

Delta Project No. 14072 A/E INFO

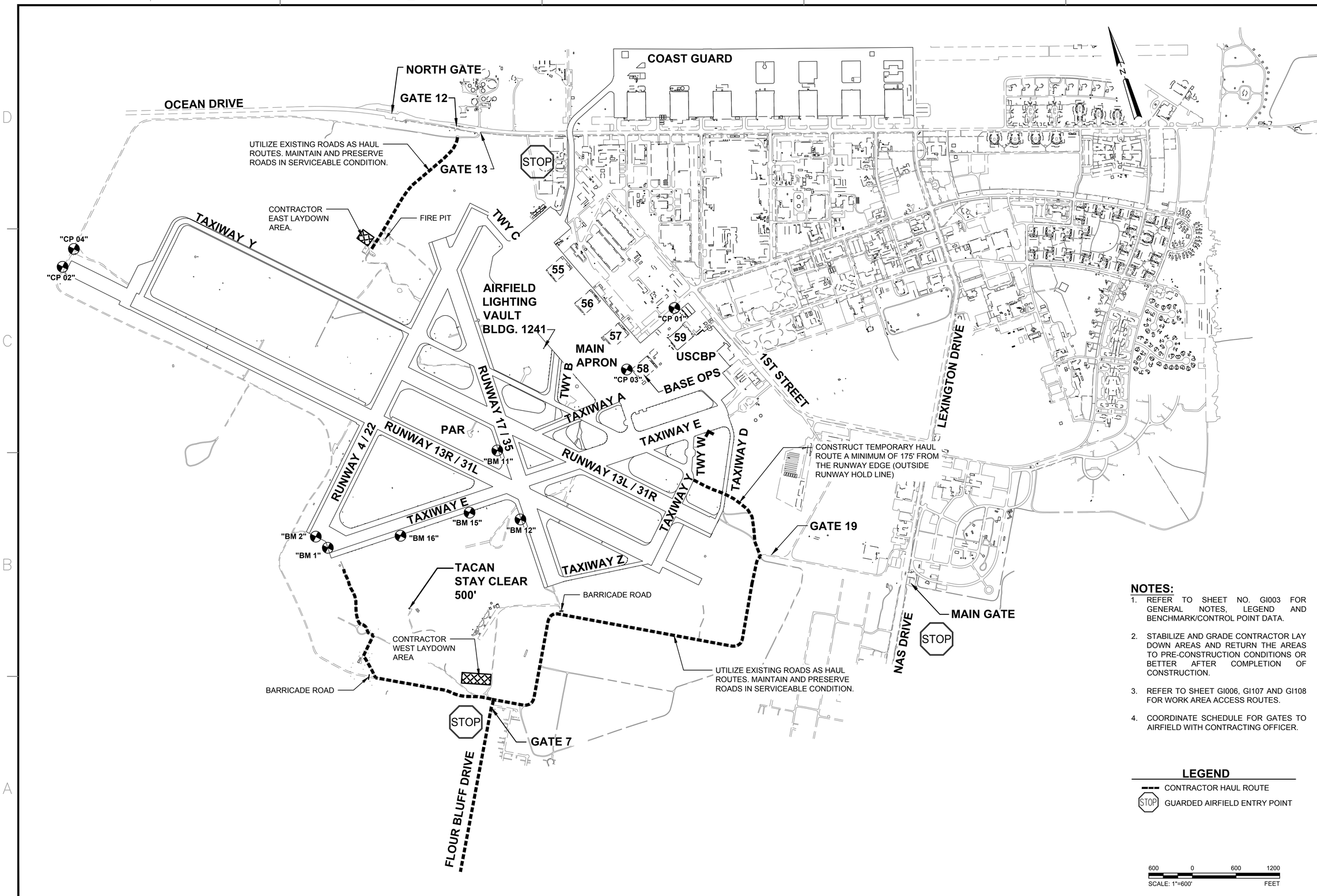
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES. MWK | DRW MRM | CHK JMM
PROJECT MANAGER
IPT TECH. BRANCH HEAD
CHIEF ENG/ARCH (CORE)

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

SCALE: NTS
EPROJECT NO.:
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15095137
SHEET 9 OF 145
GI009

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD_REPAIR_TWY\132443-G-GI009.dwg LAYOUT NAME: GI009 PLOTTED: Tuesday, June 09, 2015 - 10:01am USER: mrm



NOTES:

1. REFER TO SHEET NO. GI003 FOR GENERAL NOTES, LEGEND AND BENCHMARK/CONTROL POINT DATA.
2. STABILIZE AND GRADE CONTRACTOR LAY DOWN AREAS AND RETURN THE AREAS TO PRE-CONSTRUCTION CONDITIONS OR BETTER AFTER COMPLETION OF CONSTRUCTION.
3. REFER TO SHEET GI006, GI107 AND GI108 FOR WORK AREA ACCESS ROUTES.
4. COORDINATE SCHEDULE FOR GATES TO AIRFIELD WITH CONTRACTING OFFICER.

LEGEND

CONTRACTOR HAUL ROUTE

STOP GUARDED AIRFIELD ENTRY POINT

600 0 600 1200

SCALE: 1"=600' FEET

SYM	DESCRIPTION	DATE	APPR.
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015

SEAL

leidos

LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com

Delta Project No. 14072 A/E INFO

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
CIBIL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
NAS CORPUS CHRISTI AIRFIELD REPAIRS
CORPUS CHRISTI, TEXAS
TAXIWAY 'E'
MASTER SITE PLAN

SCALE: AS NOTED

EPROJECT NO.:

CONSTR. CONTR. NO.

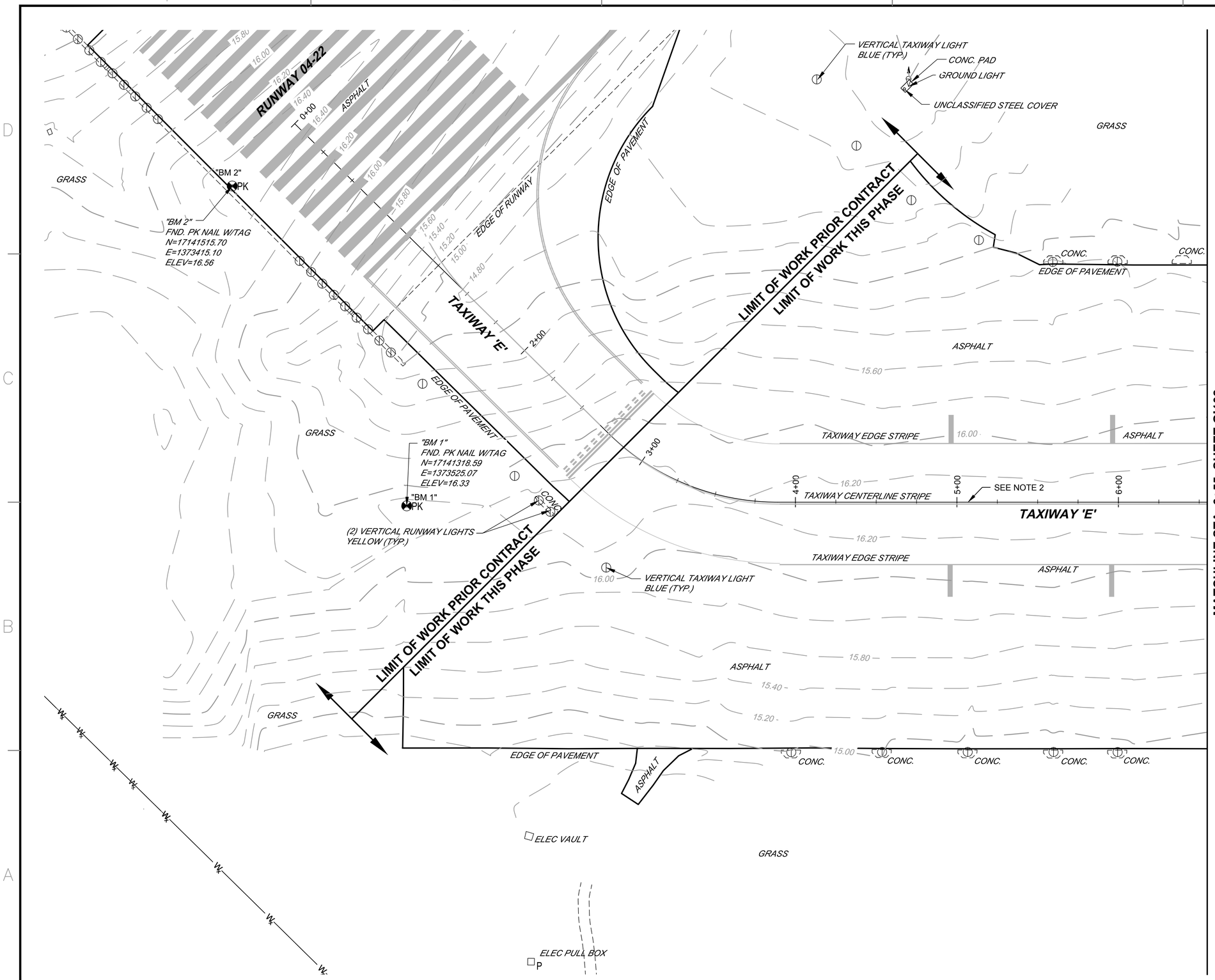
NAVFAC DRAWING NO.
15095138

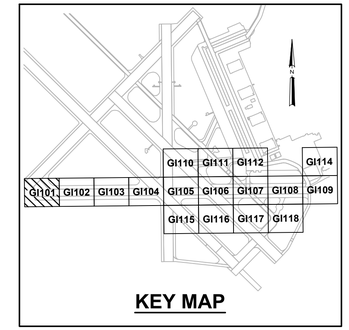
SHEET 10 OF 145

GI100

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\FDB\1650-TUL\CIV\205113480_NAS_CCA_Repair\20_DESIGN\40_CAD\G\134800-03b-GI100.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 12:05pm USER: tabernm





NOTES:

1. REFER TO SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
2. TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

30 0 30 60
SCALE: 1"=30' FEET

SYM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

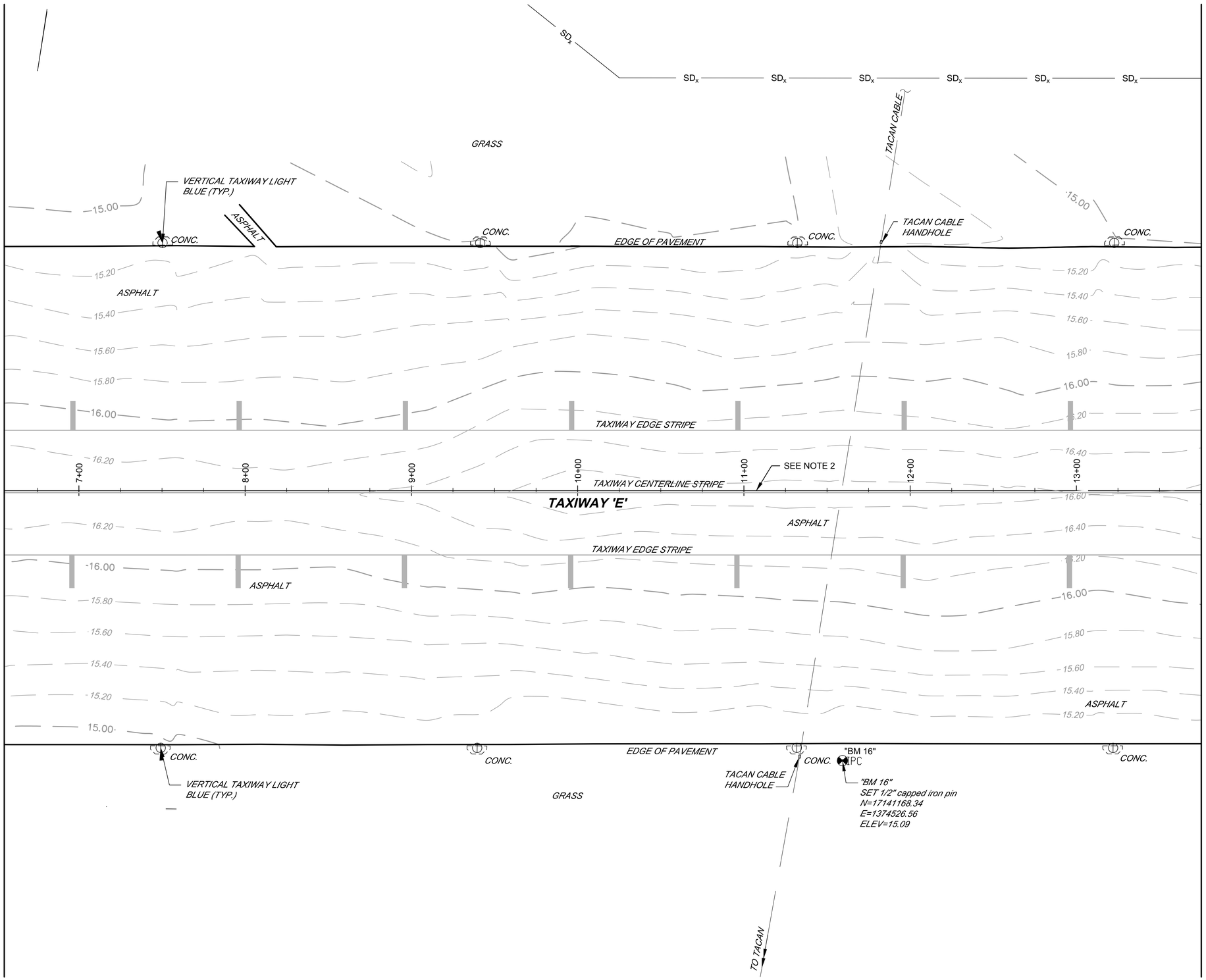
DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

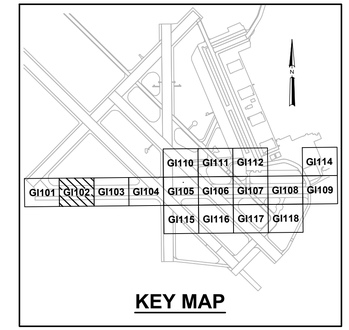
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES SMS DRW MLT CHK HWM
PM / DM
BRANCH MANAGER
CHIEF ENG / ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
CIBL CORE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
EXISTING CONDITIONS SHEET 1 OF 17

SCALE: AS NOTED
EPROJECT NO.: .
CONSTR. CONTR. NO. .
NAVFAC DRAWING NO. 15095139
SHEET 11 OF 145
GI101
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\FRB\1650-TUL\DIV\2051134800_NAS_CCA_Repairs\20_DESIGN\40_CAD\G\134800-03b-GI101.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 11:27am USER: tcberm





NOTES:

1. REFER TO SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
2. TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

30 0 30 60
SCALE: 1"=30' FEET

STM	DESCRIPTION	DATE	APPR.
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

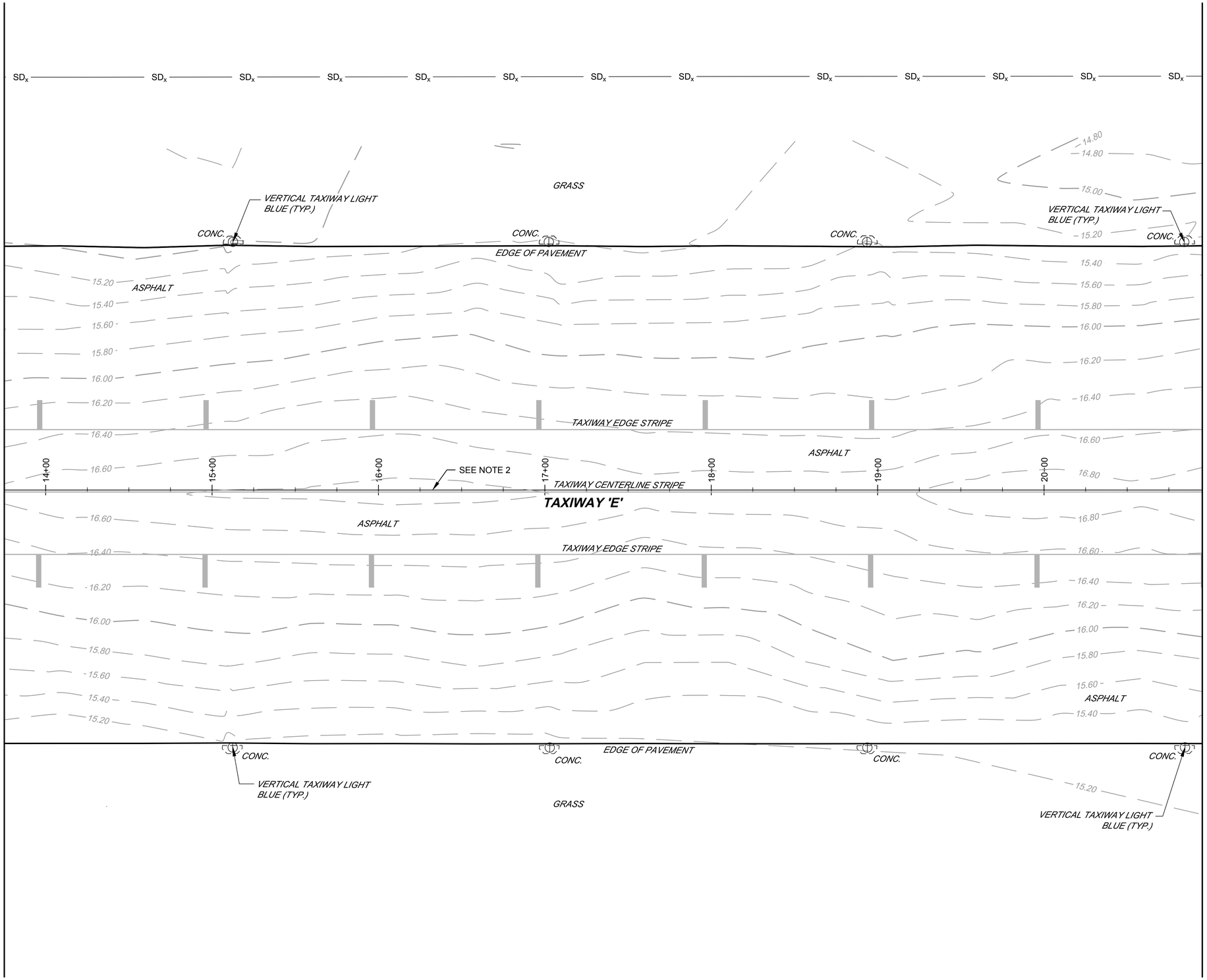
DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

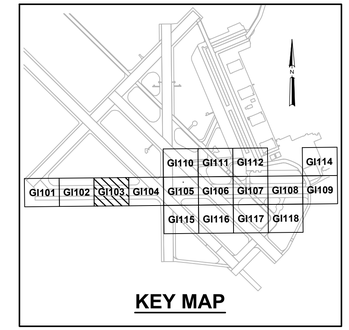
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES SMS DRW MLT CHK HWM
PM / DM
BRANCH MANAGER
CHIEF ENG / ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
CIBL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
EXISTING CONDITIONS SHEET 2 OF 17

SCALE: AS NOTED
EPROJECT NO.: .
CONSTR. CONTR. NO. .
NAVFAC DRAWING NO. 15095140
SHEET 12 OF 145
GI102
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\FRB\1650-TUL\GIA\2051134800_NAS_CCA_Repairs\20_DESIGN\40_CAD\G\134800-03b-GI102.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 11:27am USER: tuberm





NOTES:

1. REFER TO SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
2. TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

30 0 30 60
SCALE: 1"=30' FEET

STM	DESCRIPTION	DATE	APPR.
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015
SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

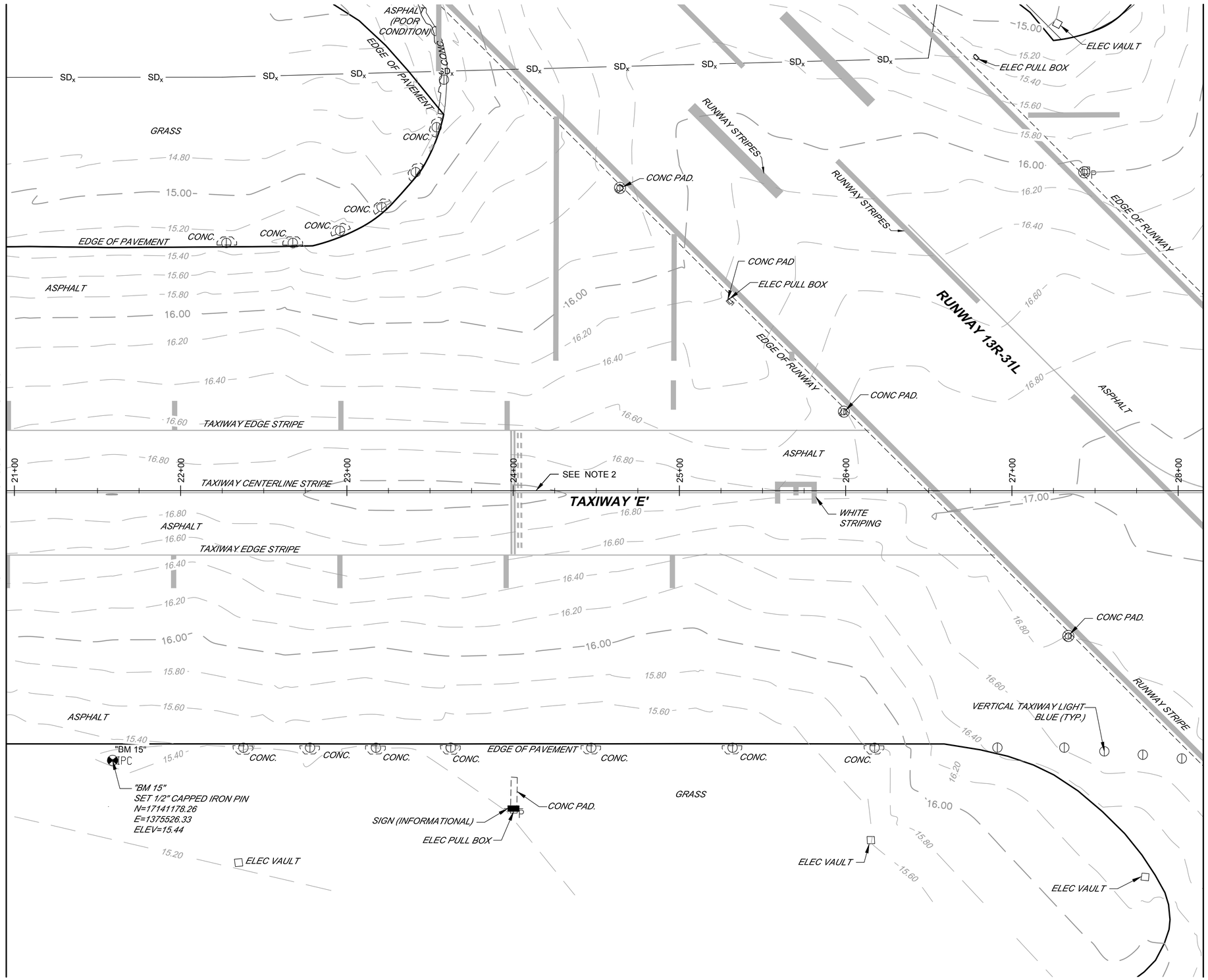
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES SMS DRW MLT CHK HWM
PM / DM
BRANCH MANAGER
CHIEF ENG / ARCH
FIRE PROTECTION

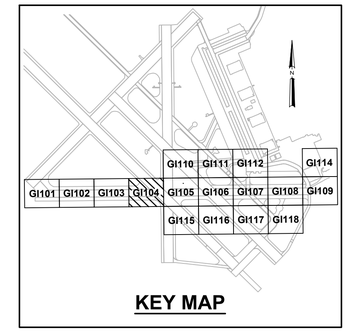
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
CIBIL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAS CORPUS CHRISTI
NAVAL AIR STATION JACKSONVILLE
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
EXISTING CONDITIONS SHEET 3 OF 17

SCALE: AS NOTED
EPROJECT NO.: .
CONSTR. CONTR. NO. .
NAVFAC DRAWING NO. 15095141
SHEET 13 OF 145
GI103

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\FDB\1650-TUL\CIV\205113480D_AKS_CCA_Repair\20_DESIGN\40_CAD\G\134800-03b-GI103.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 11:28am USER: tabernm





NOTES:

1. REFER TO SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
2. TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

SYM	DESCRIPTION	DATE	APPR.
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015

SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com

Delta Project No. 14072 A/E INFO

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
CIBL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
EXISTING CONDITIONS SHEET 4 OF 17

SCALE: AS NOTED

EPROJECT NO.: -

CONSTR. CONTR. NO. -

NAVFAC DRAWING NO.
15095142

SHEET 14 OF 145

GI104

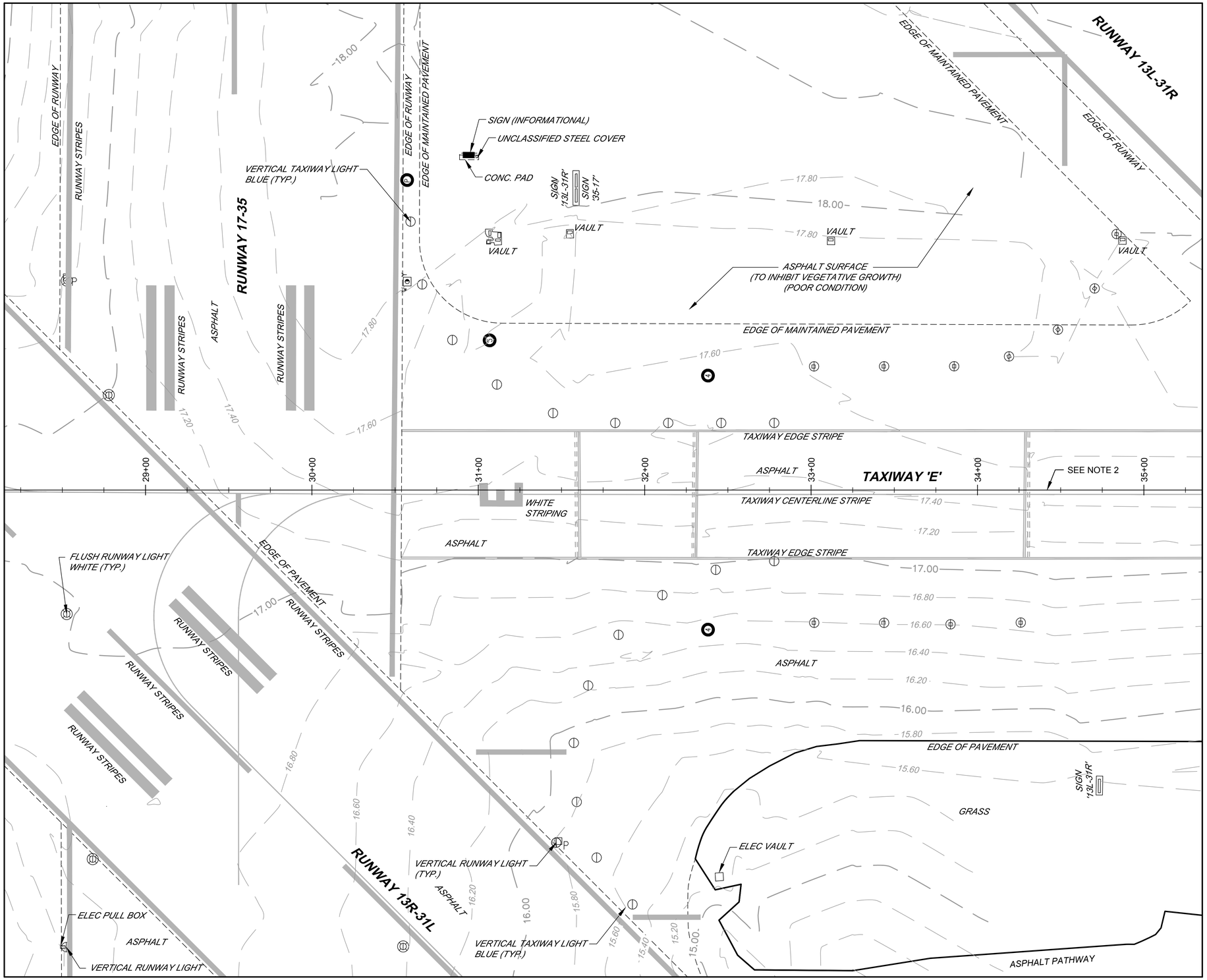
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\FDB\1650-TUL\CIV\205113480_NAS_CCA_Repair\20_DESIGN\V0_CAD\G\134800-03a-GI104.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 11:28am USER: tatberm

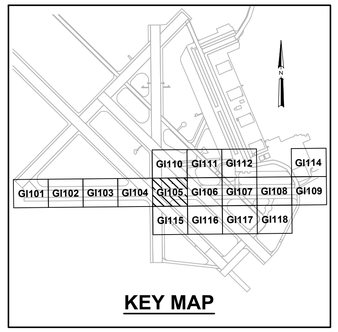
MATCHLINE SHEET GI110

MATCHLINE STA. 28+15 SHEET GI104

MATCHLINE STA. 35+35 SHEET GI106



MATCHLINE SHEET GI115



NOTES:

1. REFER TO SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
2. TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

SCALE: 1"=30' (30 0 30 60 FEET)

STM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 08 JUNE 2015 SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

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

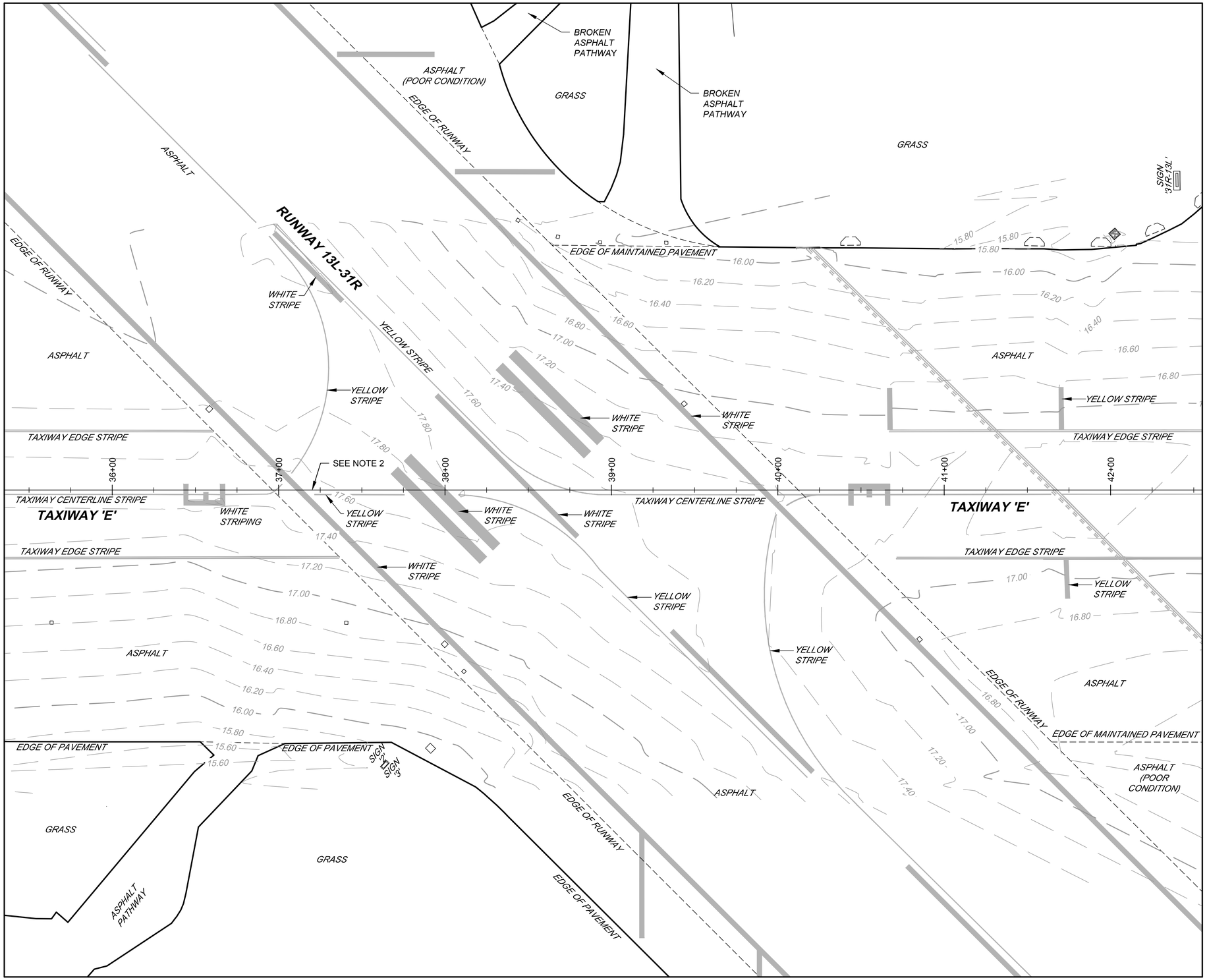
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
CIBL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
EXISTING CONDITIONS SHEET 5 OF 17

SCALE: AS NOTED
EPROJECT NO.:
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15095143
SHEET 15 OF 145
GI105

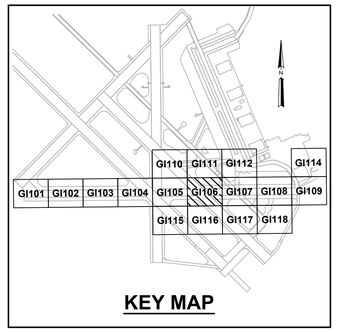
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\FDB\1650-TUL\CIV\2051134800_NAS_CCA_Repair\20_DESIGN\40_CAD\G\134800-03a-GI105.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 11:28am USER: tobern

MATCHLINE SHEET GI111



MATCHLINE SHEET GI116



NOTES:

1. REFER TO SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
2. TAXIWAY ECHO ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS FOR PROPOSED STATIONING.

30 0 30 60
SCALE: 1"=30' FEET

STM	DESCRIPTION	DATE	APPR
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

REGISTERED PROFESSIONAL ENGINEER JOHN B. BEAN 19302 OKLAHOMA 26 JUNE 2015

SEAL

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
TULSA, OK 74103

DELTA AIRPORT CONSULTANTS, INC.
6711 Farrar Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072 A/E INFO

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
CIBL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXIWAY 'E'
EXISTING CONDITIONS SHEET 6 OF 17

SCALE: AS NOTED

EPROJECT NO.: -

CONSTR. CONTR. NO. -

NAVFAC DRAWING NO.
15095144

SHEET 16 OF 145

GI106

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\FDB\1650-TULC\CIV\2051134800_NAS_CCA_Report\20_DESIGN\40_CAD\G\134800-03a-GI106.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 11:28am USER: tobern