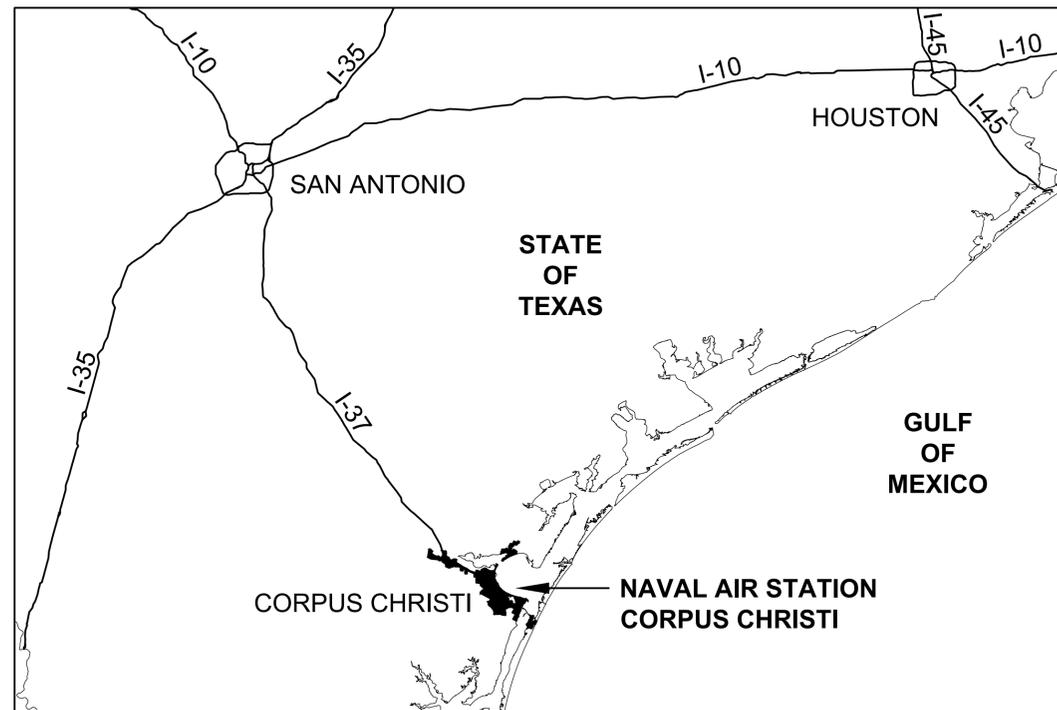


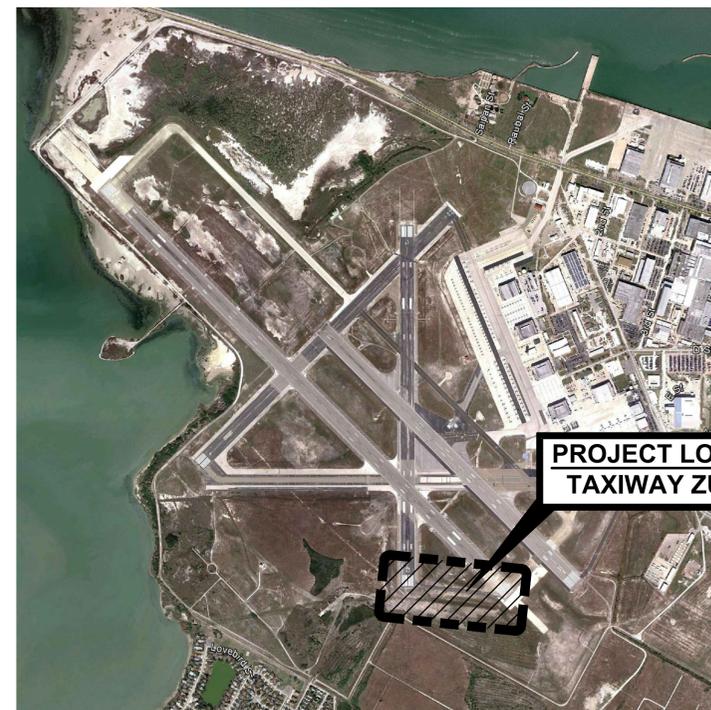
# NAS CORPUS CHRISTI AIRFIELD REPAIRS

## TAXIWAY 'Z'

NAVAL AIR STATION CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS



**AREA MAP**



**SITE MAP**

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

**8 JUNE 2015**

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.

ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			



APPROVED FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES HWM | DRW MLT | CHK SMS

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 'Z'  
COVER SHEET

SCALE: NTS

PROJECT NO.:

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 15095437

SHEET 1 OF 41

GI001

FILE NAME: P:\E\1650-TUL\COM\2011\44800\_NAS\_CCA\_Repair\20\_DESIGN\41\_CAD\1\44800-08b-0001.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:34am USER: pollmanj



**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 UTILTIY 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 PAVEMENT FROM A PART OF TAXIWAY 'Z', WIDENING TAXIWAY 'Z' TO 75' WITH 10' ASPHALT SHOULDERS, MILLING THE EXISTING ACC PAVEMENT AND OVERLAYING THE EXISTING ACC PAVEMENT AND NEW ACC PAVEMENT, AS SHOWN ON THE PLANS, AND ADDING NEW STRIPING TO EXISTING AND NEW ASPHALT PAVEMENT ON TAXIWAY 'Z', RUNWAY 35/17 AND RUNWAY 31R/13L, AND REPLACING THE EDGE LIGHTS.
- 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 SHALL 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. THE USE OF WATER TRUCK OR EQUIVALENT MEASURES IS ACCEPTABLE.
- 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.
- UNLESS OTHERWISE INDICATED, ALL PAVEMENT STRIPINGS 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.
- 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 HYDROSEEDDED. SEE SPECIFICATION 32 92 19.
- EXISTING STRIPING SHOWN ON THESE PLANS WERE LOCATED USING 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 - CD102 TO BE SAWCUT FULL-DEPTH WITH THE REMAINING ASPHALT PROTECTED.
- INSTALL SILT FENCE AROUND THE PERIMETER OF THE PROJECT SITE AND SILT FENCE WITH STRAW BALES AROUND ALL INLETS SHOWN ON PLANS.
- 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.

**GENERAL NOTES (CONTINUED)**

- NO DEMOLITION SHALL OCCUR OUTSIDE OF PROPOSED LIMITS OF DISTURBANCE.
- FIELD VERIFY EXACT AREA OF EXISTING ASPHALT TO BE REMOVED.
- REMOVE EXISTING STRIPING ON THE EXISTING ASPHALT PAVEMENT THAT IS TO REMAIN. REMOVE EXISTING STRIPING PER SPECIFICATION 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.
- AT COMPLETION OF 2" MILLING OPERATION AND BEFORE THE 2" OVERLAY IS PLACED 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.
- 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.

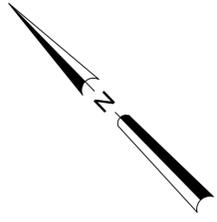
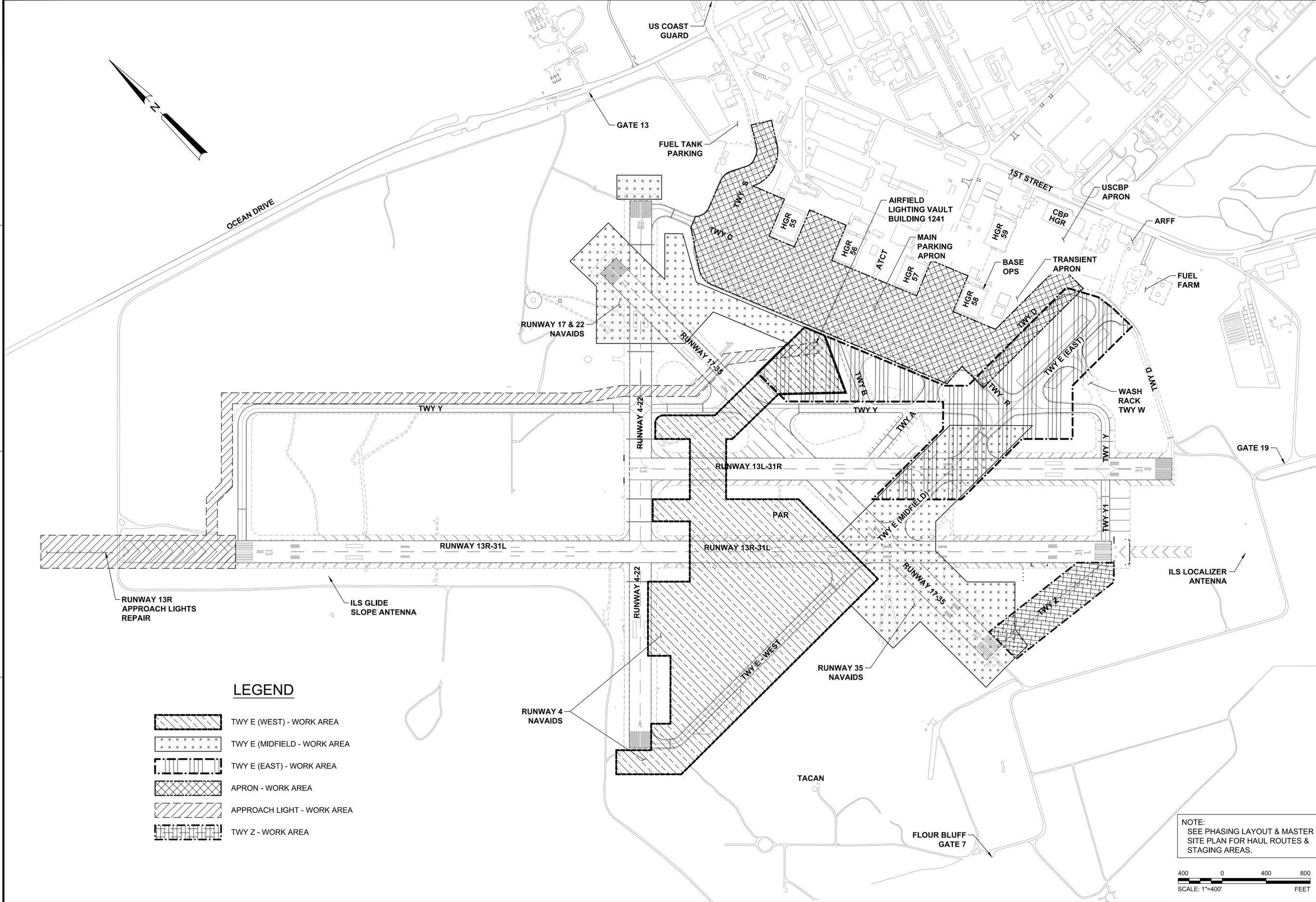
**LEGEND**

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

DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES HWM   Draw JGP   Chk SMS 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 NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z' CIVIL GENERAL NOTES AND LEGEND	
SCALE:	NTS
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095439
SHEET:	3 OF 41
<b>GI003</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>	

FILE NAME: P:\E\1650-TUL\CDM\2011\4800\_NAS\_CCA\_Repair\20\_DFSNA\41\_CAD\0\134800-08b-0003.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:34am USER: pdhmonj

FILE NAME: N:\14072\04 CAD\08b-Taxway Z\1302443-C-01004.dwg LAYOUT NAME: CIB04 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: rmm



**LEGEND**

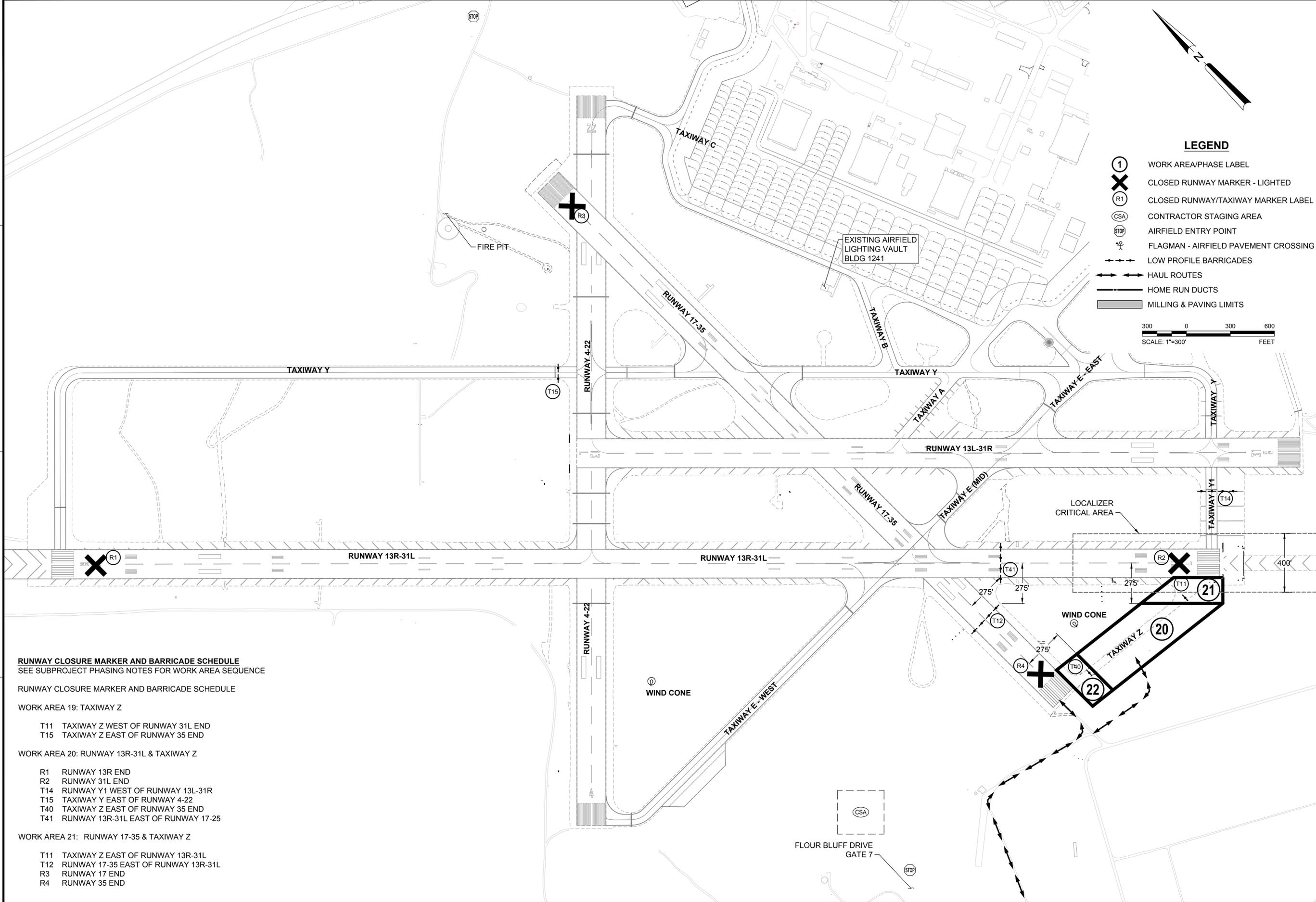
- TWY E (WEST) - WORK AREA
- TWY E (MIDFIELD) - WORK AREA
- TWY E (EAST) - WORK AREA
- APRON - WORK AREA
- APPROACH LIGHT - WORK AREA
- TWY Z - WORK AREA

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



	DATE: 8 JUN 15
	ISSUED FOR BID
APPROVED FOR COMMANDER NAVFAC ACTIVITY: SATISFACTORY TO DATE DES: EFC   DRW: MRM   CHK: JMM PROJECT MANAGER: IPT TECH BRANCH HEAD CHIEF ENGINEER (CORE)	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXWAY 'Z'	PHASE 1 MASTER PHASING PLAN
NAVFAC DRAWING NO: 15095440 SHEET: 4 OF 41 <b>GI004</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>	

FILE NAME: N:\14072\04 CAD\08b-Taxiway Z\1302443-C-01005.dwg PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: rmm



**LEGEND**

- ① WORK AREA/PHASE LABEL
- X 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
- MILLING & PAVING LIMITS



**RUNWAY CLOSURE MARKER AND BARRICADE SCHEDULE**  
SEE SUBPROJECT PHASING NOTES FOR WORK AREA SEQUENCE

- RUNWAY CLOSURE MARKER AND BARRICADE SCHEDULE
- WORK AREA 19: TAXIWAY Z
- T11 TAXIWAY Z WEST OF RUNWAY 31L END
  - T15 TAXIWAY Z EAST OF RUNWAY 35 END
- WORK AREA 20: RUNWAY 13R-31L & TAXIWAY Z
- R1 RUNWAY 13R END
  - R2 RUNWAY 31L END
  - T14 RUNWAY Y1 WEST OF RUNWAY 13L-31R
  - T15 TAXIWAY Y EAST OF RUNWAY 4-22
  - T40 TAXIWAY Z EAST OF RUNWAY 35 END
  - T41 RUNWAY 13R-31L EAST OF RUNWAY 17-25
- WORK AREA 21: RUNWAY 17-35 & TAXIWAY Z
- T11 TAXIWAY Z EAST OF RUNWAY 13R-31L
  - T12 RUNWAY 17-35 EAST OF RUNWAY 13R-31L
  - R3 RUNWAY 17 END
  - R4 RUNWAY 35 END

	DATE: 8 JUN 15 APPR:
	ISSUED FOR BID DATE: 8 JUN 15 SYMBOL DESCRIPTION
	
	
	
	
<p>APPROVED FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE</p> <p>DES JMM   DRW MRM   CHK JMM</p> <p>PROJECT MANAGER</p> <p>IPIT TECH BRANCH HEAD</p> <p>CHIEF ENGRARCH (CORE)</p>	
<p>DEPARTMENT OF THE NAVY</p> <p>NAVAL FACILITIES ENGINEERING COMMAND</p> <p>NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST</p> <p>NAVAL AIR STATION JACKSONVILLE</p> <p>CIBL CORE</p> <p>NAS CORPUS CHRISTI</p> <p>NAS CORPUS CHRISTI AIRFIELD REPAIRS</p> <p>TAXIWAY 'Z'</p> <p>PHASING LAYOUT</p>	<p>SCALE: 1" = 300'</p> <p>PROJECT NO.:</p> <p>CONSTR. CONTR. NO.:</p> <p>NAVFAC DRAWING NO. 15095441</p> <p>SHEET 5 OF 41</p> <p><b>GI005</b></p> <p><small>DRAWFORM REVISION: 5 APRIL 2012</small></p>

GENERAL PHASING NOTES

- 1. THIS PROJECT WILL BE CONDUCTED DURING ACTIVE FLYING OPERATIONS INCLUDING STUDENT TRAINING. STRICT COMPLIANCE TO THE PHASING PLAN AND RESTRICTION IS 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.

WORK AREA NOTES

AIRFIELD IMPACTS FOR LIMITED DURATION

- A. RUNWAY 13R-31L CLOSED
- B. RUNWAY 17-35 CLOSED
- C. TAXIWAY Z CLOSED
- D. RUNWAY 13R ILS UNUSABLE

WORK AREA DESCRIPTIONS

WORK AREA 20: TAXIWAY Z

IMPACTS: C - TAXIWAY Z CLOSED  
 WORK:A: GRADING, PAVING, REPLACEMENT OF EDGE LIGHTING, STRIPING  
 DURATION: 45 DAYS

WORK AREA 21: TAXIWAY Z WITHIN 200' OF RUNWAY 13R-31L EDGE

IMPACTS: A - RUNWAY 13R-31L CLOSED DURING WORK. RUNWAY TO BE FULLY OPEN AT NIGHT AND WHEN WORK IS NOT UNDERWAY  
 C - TAXIWAY Z CLOSED  
 D - ILS LOCALIZER CRITICAL AREA OBSTRUCTED DURING WORK. ILS UNUSABLE  
 WORK:B: GRADING, PAVING, REPLACEMENT OF EDGE LIGHTING, STRIPING  
 DURATION: 10 DAYS

WORK AREA 22: TAXIWAY Z WITHIN 200' OF RUNWAY 17-35 EDGE

IMPACTS: B - RUNWAY 17-35 CLOSED  
 C - TAXIWAY Z CLOSED  
 WORK:C: GRADING, PAVING, REPLACEMENT OF EDGE LIGHTING, STRIPING  
 DURATION: 21 DAYS

SUBPROJECT PHASING NOTES

- 1. THIS PROJECT INVOLVES THE WIDENING, OVERLAY, AND REPLACEMENT OF EDGE LIGHTS AND STRIPINGS FOR TAXIWAY Z.
- 2. TAXIWAY Z SHALL NOT BE CLOSED UNTIL CONTRACTOR IS FULLY MOBILIZED TO INCLUDE ESTABLISHMENT OF STAGING AREA, ACCESS ROUTES, AND SECURITY PROCEDURES ARE IN PLACE.
- 3. FOR WORK IN AREA 20, WITHIN 200' OF THE RUNWAY 13-31L EDGE THE RUNWAY WILL BE CLOSED AND EQUIPMENT IN THIS AREA MAY CAUSE THE ILS LOCALIZER TO BE UNRELIABLE. WHEN WORK IS NOT UNDERWAY, ALL EQUIPMENT SHALL BE PULLED BACK FROM WORK AREA 20 AND THE ALL OPEN EXCAVATIONS OR ABRUPT EDGES SHALL BE SMOOTHED TO NO MORE THAN 3" VERTICAL FACE WITH SMOOTH TRANSITIONS. RUNWAY 13R-31L SHALL BE OPEN WHEN WORK IS NOT ACTIVE IN WORK AREA 20.
- 4. CONTRACTOR SHALL NOT CROSS ACTIVE RUNWAYS DURING THIS PROJECT. ACTIVE TAXIWAY CROSSINGS REQUIRE A TRAINED RADIO EQUIPPED FLAGMAN AND SWEEPER/VACUUM TRUCK DURING ALL HAULING OPERATIONS.
- 5. THE HAUL ROUTE UTILIZES GATE 7 AT THE SOUTH WEST SIDE OF THE AIRFIELD FOR ENTRY FROM FLOUR BLUFF DRIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND/OR IMPROVING THE ACCESS ROAD AS NECESSARY TO SUPPORT CONSTRUCTION TRAFFIC FOR THE DURATION OF THE PROJECT. IF PERMITTED FOR USE BY THE CONTRACTING OFFICER, ANY PORTION OF THE ROUTE RESIDING ON 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 150-5730-2E.
- 6. THE CONTRACTOR SHALL MAINTAIN THE HAUL ROUTE FREE OF DEBRIS BY SWEEPING A MINIMUM OF ONCE PER WEEK OR AS NEEDED TO ENSURE DEBRIS DOES NOT MIGRATE OUTSIDE OF THE HAUL ROUTE LIMITS. THE CONTRACTING OFFICER MY, AT HIS/HER DISCRETION, REQUIRE MORE FREQUENT SWEEPING ACTIVITY IF IT IS DEEMED THAT DEBRIS IS POSING A SAFETY THREAT TO OPERATIONAL AIRCRAFT.
- 7. 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.
- 8. SEE CLOSURE MARKER AND BARRICADE SCHEDULE FOR LOCATION AND APPLICABLE WORK AREA INFORMATION.
- 9. 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.

DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	



APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES EFC   DRW MRM   CHK JMM	
PROJECT MANAGER	
IPIT TECH BRANCH HEAD	
CHIEF ENGRARCH (CORE)	

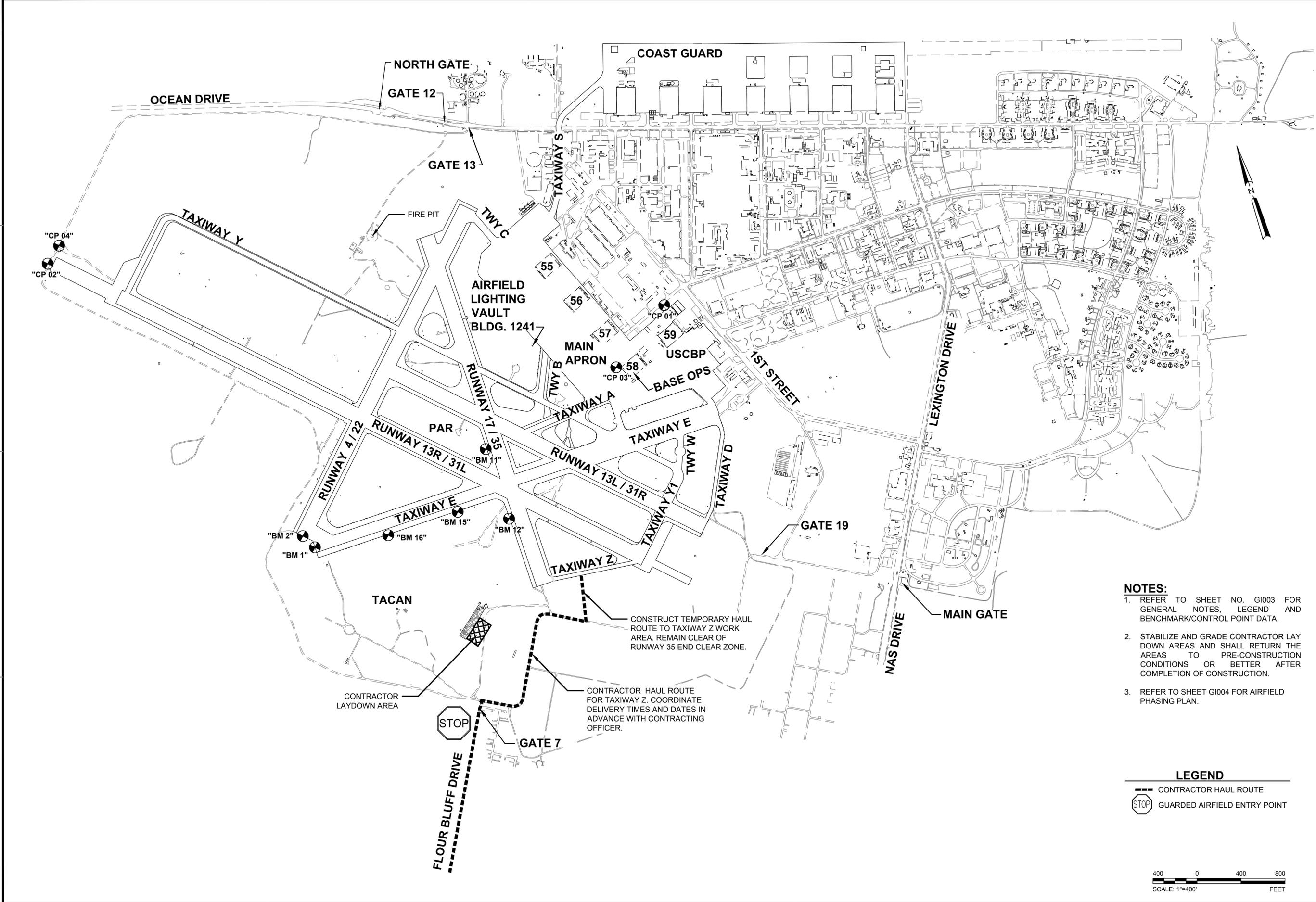
DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING COMMAND  
 CHIEF CORE  
 NAS CORPUS CHRISTI  
 NAS CORPUS CHRISTI AIRFIELD REPAIRS  
 TAXIWAY 'Z'  
 PHASING NOTES

SCALE:	NONE
PROJECT NO.:	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15095442
SHEET	6 OF 41

**G1006**  
 DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD\08b-Taxiway Z\1302443-C-01006.dwg PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mmm

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- NOTES:**
1. REFER TO SHEET NO. G1003 FOR GENERAL NOTES, LEGEND AND BENCHMARK/CONTROL POINT DATA.
  2. STABILIZE AND GRADE CONTRACTOR LAY DOWN AREAS AND SHALL RETURN THE AREAS TO PRE-CONSTRUCTION CONDITIONS OR BETTER AFTER COMPLETION OF CONSTRUCTION.
  3. REFER TO SHEET G1004 FOR AIRFIELD PHASING PLAN.

**LEGEND**

- CONTRACTOR HAUL ROUTE
- GUARDED AIRFIELD ENTRY POINT



DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	

**leidos**  
LEIDOS ENGINEERING, LLC  
ONE WEST 3RD ST  
TULSA, OK 74119

**DELTA AIRPORT CONSULTANTS, INC.**  
8711 FARMER COURT, SUITE 100  
RICHMOND, VIRGINIA 23238  
PHONE: (804) 275-8301 • FAX: (804) 275-8371  
WWW.DELTAAPCONS.COM  
Delta Project No. 14072\_AE-INFO

APPROVED FOR COMMANDER NAVFAC

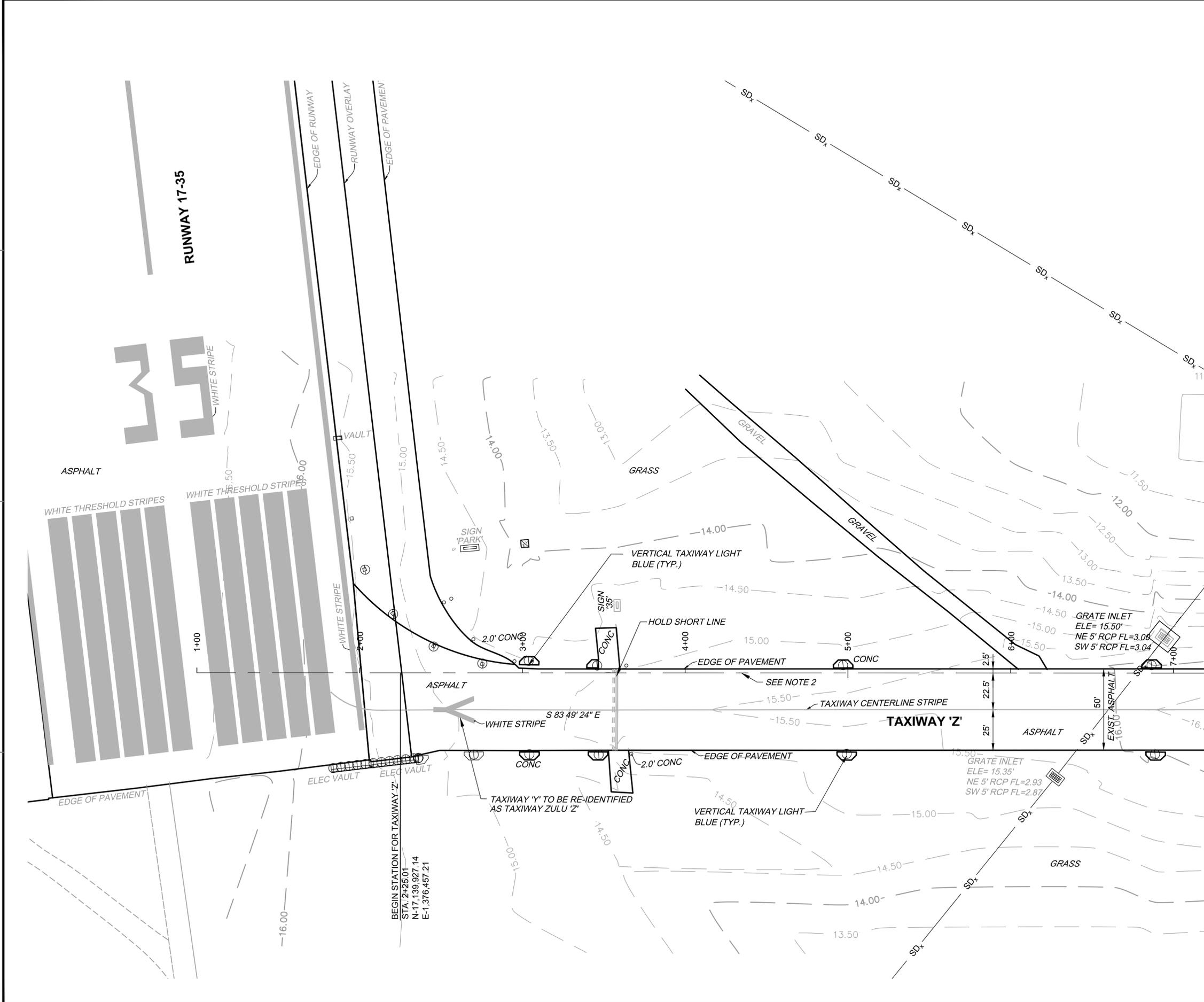
SATISFACTORY TO DATE  
DES: HWM | DRW: JGP | CHK: SMS

PM / DM  
BRANCH MANAGER  
CHIEF ENG / ARCH  
FIRE PROTECTION

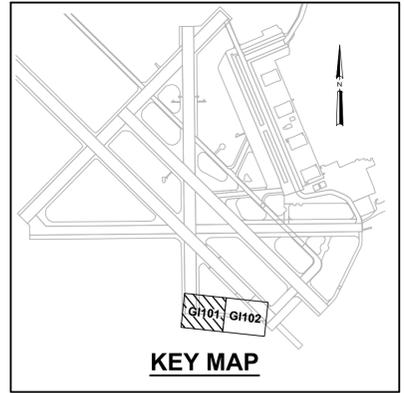
DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL AIR STATION JACKSONVILLE  
NAS CORPUS CHRISTI, TEXAS  
CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'Z'  
MASTER SITE PLAN

SCALE: AS NOTED  
PROJECT NO.:  
CONSTR. CONTR. NO.:  
NAVFAC DRAWING NO.: 15095443  
SHEET 7 OF 41  
**G100**  
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\E\1650-TUL\DWG\201514980\_NAS\_CCA\_Repair\20\_DESIGN\41\_CAD\G101.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:35am USER: polhamrj



MATCHLINE STA. 7+20 SEE SHEET GI102



- NOTES:**
1. REFER TO SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
  2. TAXIWAY 'Z' ALIGNMENT SHOWN FOR INFORMATION ONLY. REFER TO GEOMETRY PLANS.

ISSUED FOR BID	0	DATE	8 JUN 15
DATE		DESCRIPTION	

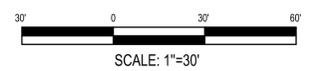
Professional Engineer seal for John B. Bean, Registered Professional Engineer, Oklahoma, No. 19302. The seal is dated 08 June 2015.

Logos for Leidos and Delta Airport Consultants, Inc. Delta Airport Consultants, Inc. is located at 8711 Faber Court, Suite 100, Richmond, Virginia 23238. Phone: (804) 275-8301, Fax: (804) 275-8371. Website: www.deltaairportconsultants.com. Delta Project No. 14072.

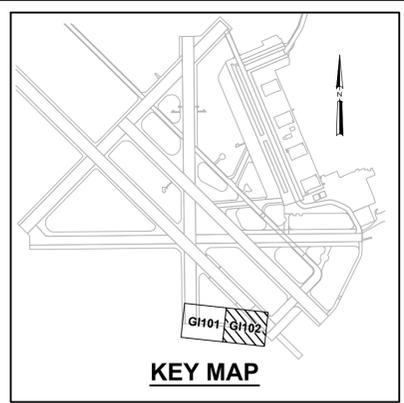
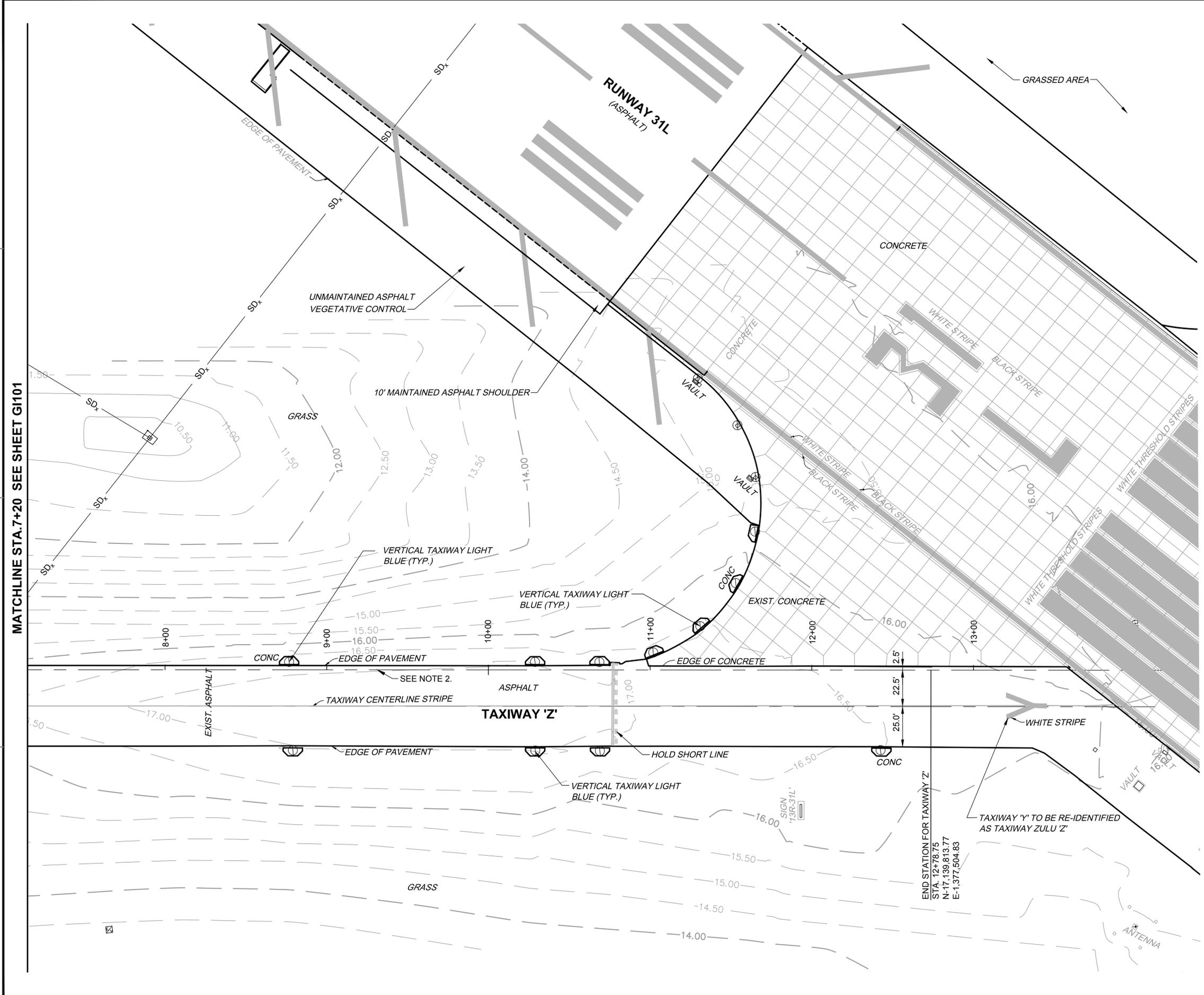
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	HWM
DRW	JGP
CHK	SMS
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING COMMAND  
 SOUTHEAST  
 NAVAL AIR STATION JACKSONVILLE  
 CIVIL CORE  
 NAS CORPUS CHRISTI  
 NAS CORPUS CHRISTI AIRFIELD REPAIRS  
 TAXIWAY 'Z'  
 EXISTING CONDITIONS SHEET 1 OF 2

SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095444
SHEET	8 OF 41
<b>GI101</b>	
DRAWFORM REVISION: 5 APRIL 2012	



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

ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			



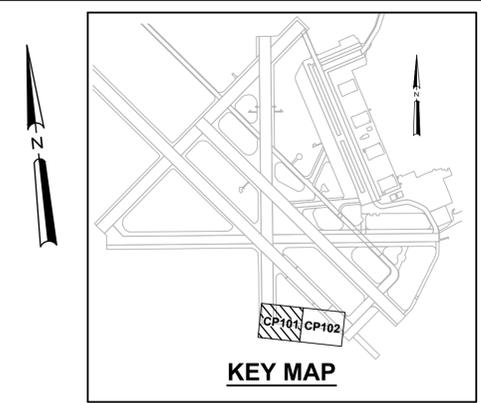
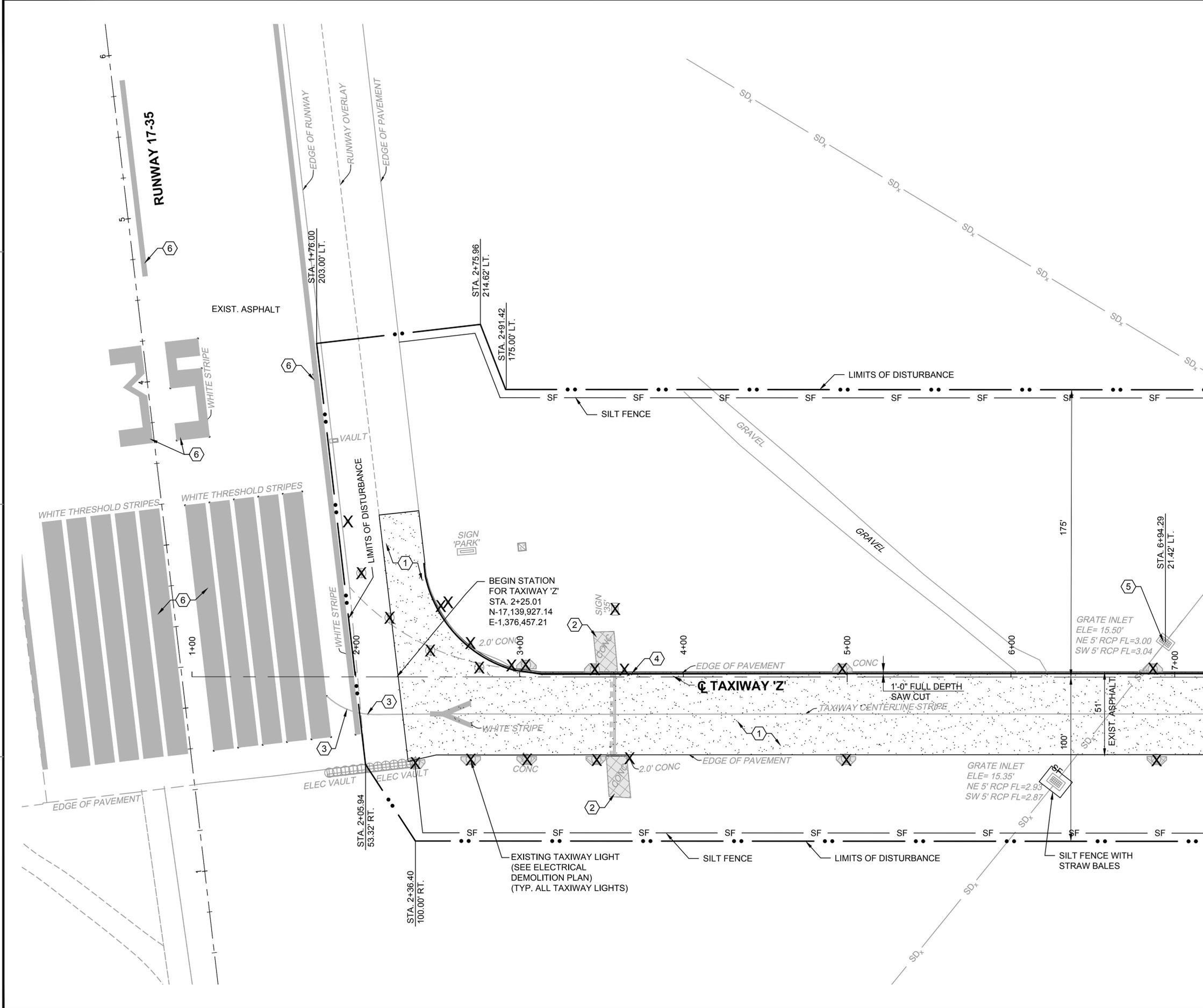
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	HWM
DRW	JGP
CHK	SMS
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	

DEPARTMENT OF THE NAVY  
 NAVAL FACILITIES ENGINEERING COMMAND  
 SOUTH EAST  
 NAVAL AIR STATION JACKSONVILLE  
 CIBL CORE  
 NAS CORPUS CHRISTI  
**NAS CORPUS CHRISTI AIRFIELD REPAIRS**  
**TAXIWAY 'Z'**  
 EXISTING CONDITIONS SHEET 2 OF 2

SCALE: AS NOTED  
 PROJECT NO.:  
 CONSTR. CONTR. NO.:  
 NAVFAC DRAWING NO. 15095445  
 SHEET 9 OF 41  
**G102**  
 DRAWFORM REVISION: 5 APRIL 2012



FILE NAME: P:\E\1650-TUL\CD101\CD101.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:35am USER: pallmarj



- DEMOLITION NOTES:**
- SEE SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
  - 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.

- KEY NOTES:**
- EXISTING ASPHALT. MILL 2".
  - EXISTING CONCRETE TO BE DEMOLISHED. DEMOLISH EXISTING CONCRETE AND REMOVE ALL CONCRETE AND SUBBASES. FILL AREA DISTURBED WITH SELECT FILL. PROPERLY COMPACT TO ACHIEVE FINISHED ELEVATIONS TO MATCH EXISTING ELEVATIONS. SEE GRADING PLANS FOR ELEVATIONS (TYP.)
  - EXISTING STRIPING TO BE REMOVED AS SHOWN PER SPECIFICATION 32 01 11.51, AND NAVAIR 51-50 AAA.
  - FULL DEPTH SAWCUT AND REMOVE 12" ASPHALT.
  - REMOVE DRAINAGE STRUCTURE AND INSTALL A 60" RCP. LENGTH OF PIPE TO BE DETERMINED IN THE FIELD. SEE SHEET C-506.
  - EXISTING STRIPING TO REMAIN.

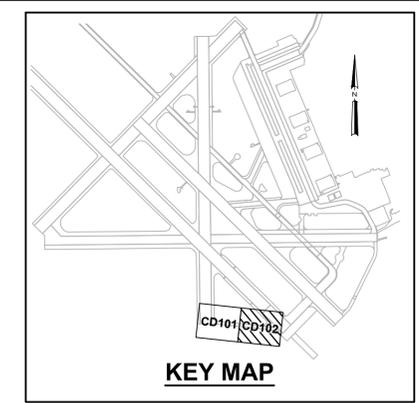
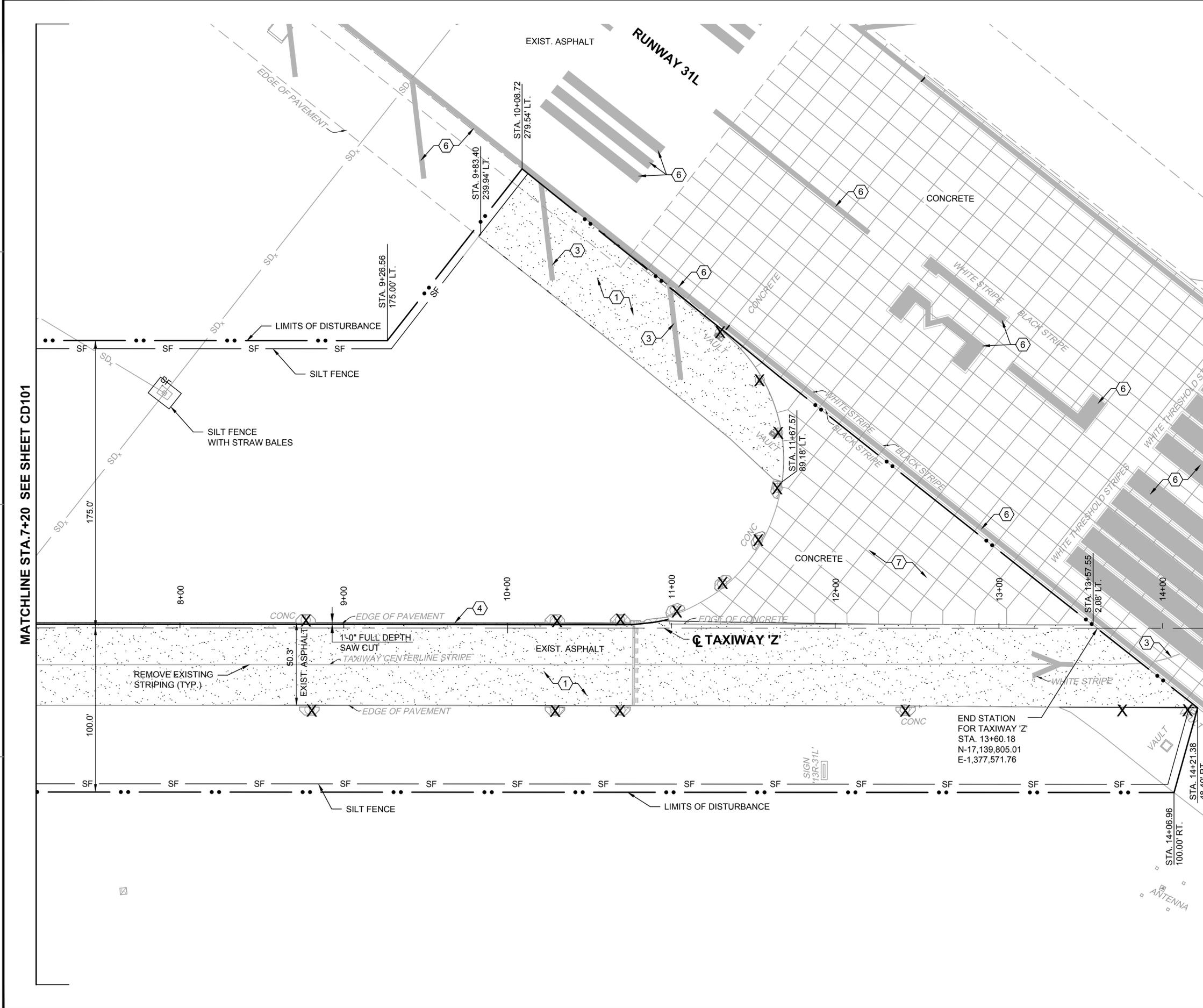
MATCHLINE STA. 7+20 SEE SHEET CD102

X REMOVE CONCRETE. SEE ELECTRICAL DEMOLITION PLANS FOR LIGHT AND SIGN REMOVAL. DEMOLISH EXISTING CONCRETE AND REMOVE ALL CONCRETE AND SUBBASES. FILL AREA DISTURBED WITH SELECT FILL. PROPERLY COMPACT TO ACHIEVE FINISHED ELEVATIONS TO MATCH EXISTING ELEVATIONS. SEE GRADING PLANS FOR ELEVATIONS (TYP.)



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ISSUED FOR BID	8 JUN 15				
DATE	DATE				
<p>DEPARTMENT OF THE NAVY          NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST          NAVAL AIR STATION JACKSONVILLE          CIBL CORE  <b>NAS CORPUS CHRISTI</b>  <b>NAS CORPUS CHRISTI AIRFIELD REPAIRS</b>  <b>TAXIWAY 'Z'</b></p>					
<p>DEMOLITION PLAN SHEET 1 OF 2</p>					
<p>SCALE: AS NOTED          PROJECT NO.:          CONSTR. CONTR. NO.:          NAVFAC DRAWING NO. 15095446          SHEET 10 OF 41</p>					
<p><b>CD101</b></p> <p style="font-size: small;">DRAWFORM REVISION: 5 APRIL 2012</p>					

FILE NAME: P:\E\1650-TUL\CD\2011-14800-ANS\_CCA\_Repair\20\_DESIGN\41\_CD\CD101.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:35am USER: pallmarj



**DEMOLITION NOTES:**

- SEE SHEET NO. GI003 FOR GENERAL NOTES AND LEGEND.
- 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.

**KEY NOTES:**

- EXISTING ASPHALT. MILL 2".
- EXISTING CONCRETE TO BE DEMOLISHED. DEMOLISH EXISTING CONCRETE AND REMOVE ALL CONCRETE AND SUBBASES. FILL AREA DISTURBED WITH SELECT FILL. PROPERLY COMPACT TO ACHIEVE FINISHED ELEVATIONS TO MATCH EXISTING ELEVATIONS. SEE GRADING PLANS FOR ELEVATIONS (TYP.)
- EXISTING STRIPING TO BE REMOVED AS SHOWN PER SPECIFICATION 32 01 11.51, ANDNAVAIR 51-50 AAA.
- FULL DEPTH SAWCUT AND REMOVE 12" WIDE STRIP OF ASPHALT PAVEMENT.
- EXISTING STRIPING TO REMAIN.
- CLEAN AND SEAL ALL JOINTS AND CRACKS IN THE EXISTING CONCRETE PAVEMENT WITHIN THE LIMITS OF DISTURBANCE AS SHOWN. SEE DETAILS ON SHEET C-505.
- REMOVE CONCRETE. SEE ELECTRICAL DEMOLITION PLANS FOR LIGHT AND SIGN REMOVAL. DEMOLISH EXISTING CONCRETE AND REMOVE ALL CONCRETE AND SUBBASES. FILL AREA DISTURBED WITH SELECT FILL. PROPERLY COMPACT TO ACHIEVE FINISHED ELEVATIONS TO MATCH EXISTING ELEVATIONS. SEE GRADING PLANS FOR ELEVATIONS (TYP.)



ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			

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

**DELTA AIRPORT CONSULTANTS, INC.**  
8711 Foster Court, Suite 100  
Richmond, Virginia 23238  
phone: (804) 275-8301 • fax: (804) 275-8371  
www.deltairport.com  
Delta Project No. 14072\_AE-010

APPROVED FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: HWM | DRW: JGP | CHK: SMS

PM / DM

BRANCH MANAGER

CHIEF ENG / ARCH

FIRE PROTECTION

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

DEMOLITION PLAN SHEET 2 OF 2

SCALE: AS NOTED

PROJECT NO.:

CONSTR. CONTR. NO.:

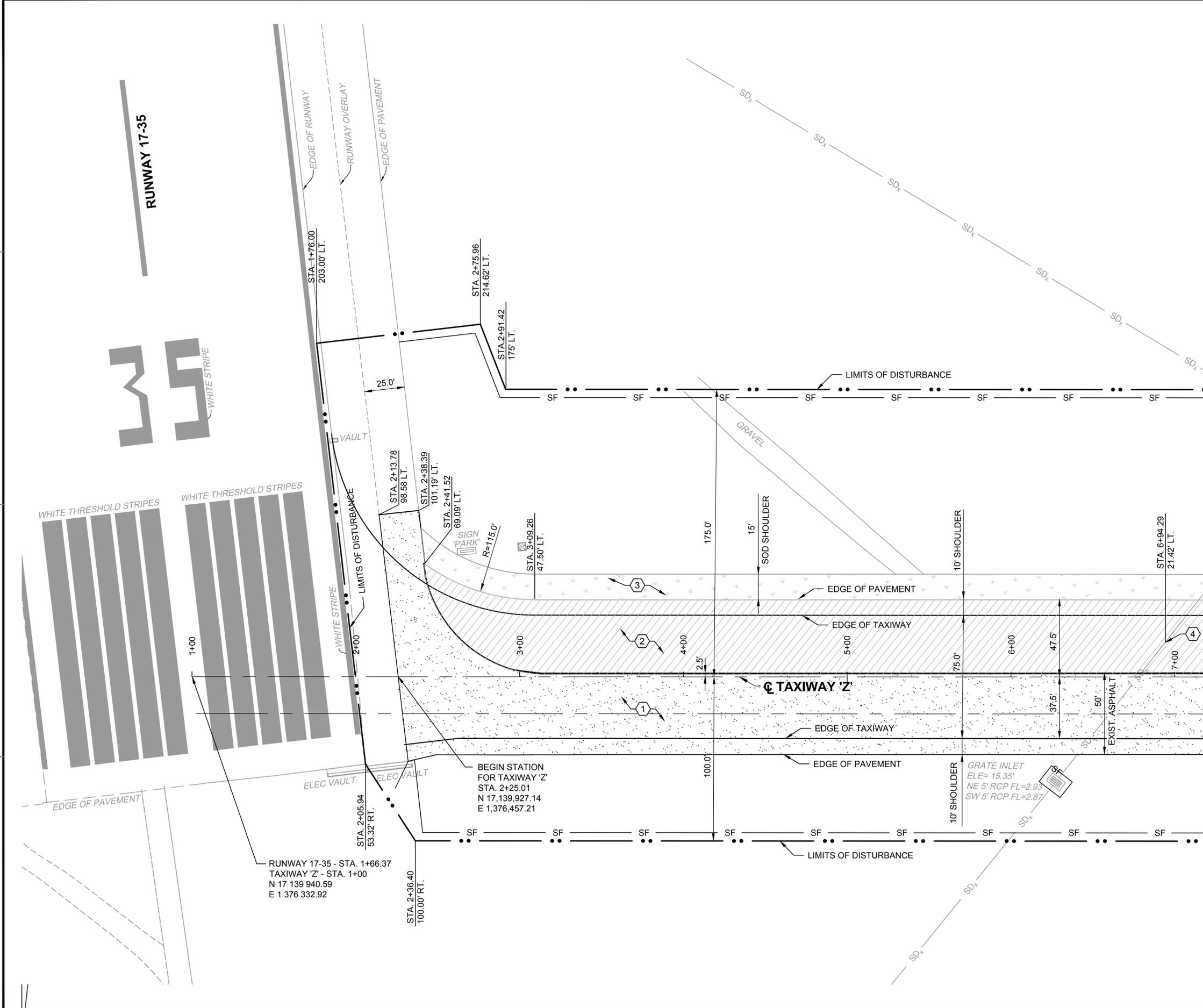
NAVFAC DRAWING NO. 15095447

SHEET 11 OF 41

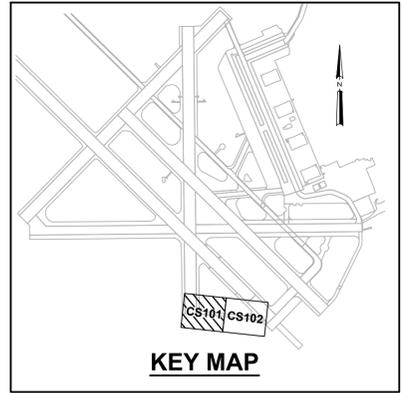
**CD102**

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\E\1650-TUL\GM\2011-14800-INS\_CCA\_Repair\20\_DESIGN\41\_CAD\C\14800-08b-CS101.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:36am USER: polimari



MATCHLINE STA. 7+20 SEE SHEET CS102



- NOTES:**
- SEE SHEET NO. G1003 FOR GENERAL NOTES AND LEGEND.
  - PROTECT ACC PAVEMENT TO REMAIN. INADVERTENTLY DAMAGED ACC PAVEMENT SHALL BE REPAIRED BY THE CONTRACTOR TO EXISTING CONDITION OR BETTER. REPLACEMENT COSTS SHALL BE BORNE BY THE CONTRACTOR.

- KEY NOTES:**
- 2" MILL AND OVERLAY. SEE TYPICAL SECTION SHEET C502.
  - 4" ASPHALT PAVEMENT WITH 2" OVERLAY. SEE TYPICAL SECTION SHEET C502.
  - 15' WIDE GRASSED SOD SHOULDER SEE SPECIFICATION 32 82 23
  - REMOVE DRAINAGE STRUCTURE AND INSTALL A 60" RCP. LENGTH OF PIPE TO BE DETERMINED IN THE FIELD. SEE SHEET C-506.



ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			

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

**DELTA AIRPORT CONSULTANTS, INC.**  
8711 Faber Court, Suite 100  
Richmond, Virginia 23238  
phone: (804) 275-8301 • fax: (804) 275-8371  
www.deltairport.com

Delta Project No. 14072\_AE-INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: HWM | DRW: JGP | CHK: SMS

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 'Z'**

GEOMETRY PLAN SHEET 1 OF 2

SCALE: AS NOTED

PROJECT NO.: 15095448

CONSTR. CONTR. NO.

NAVAC DRAWING NO. 15095448

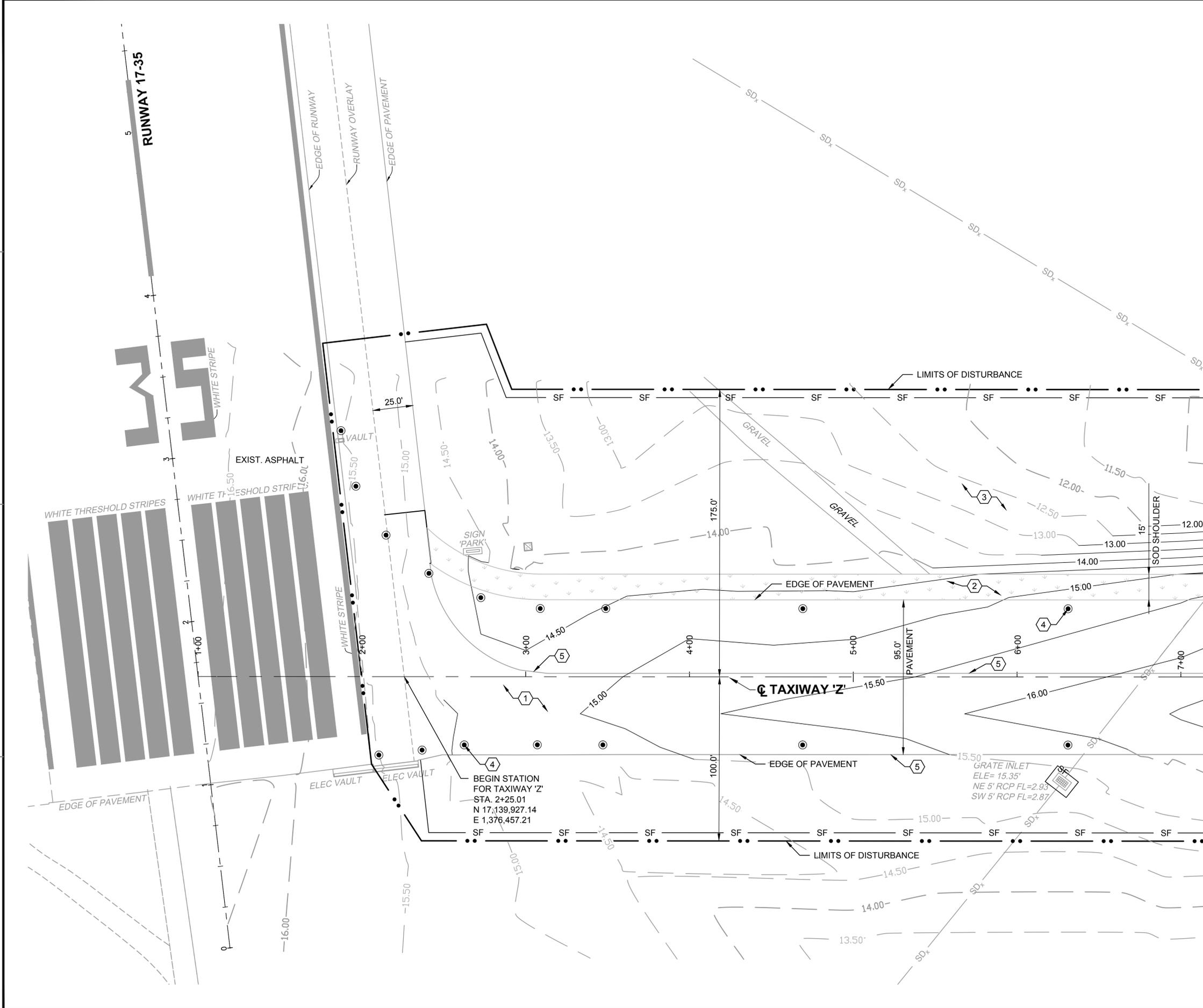
SHEET 12 OF 41

**CS101**

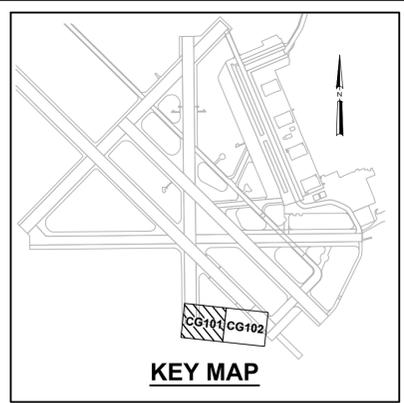
DRAWFORM REVISION: 5 APRIL 2012



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MATCHLINE STA. 7+20 SEE SHEET CP102

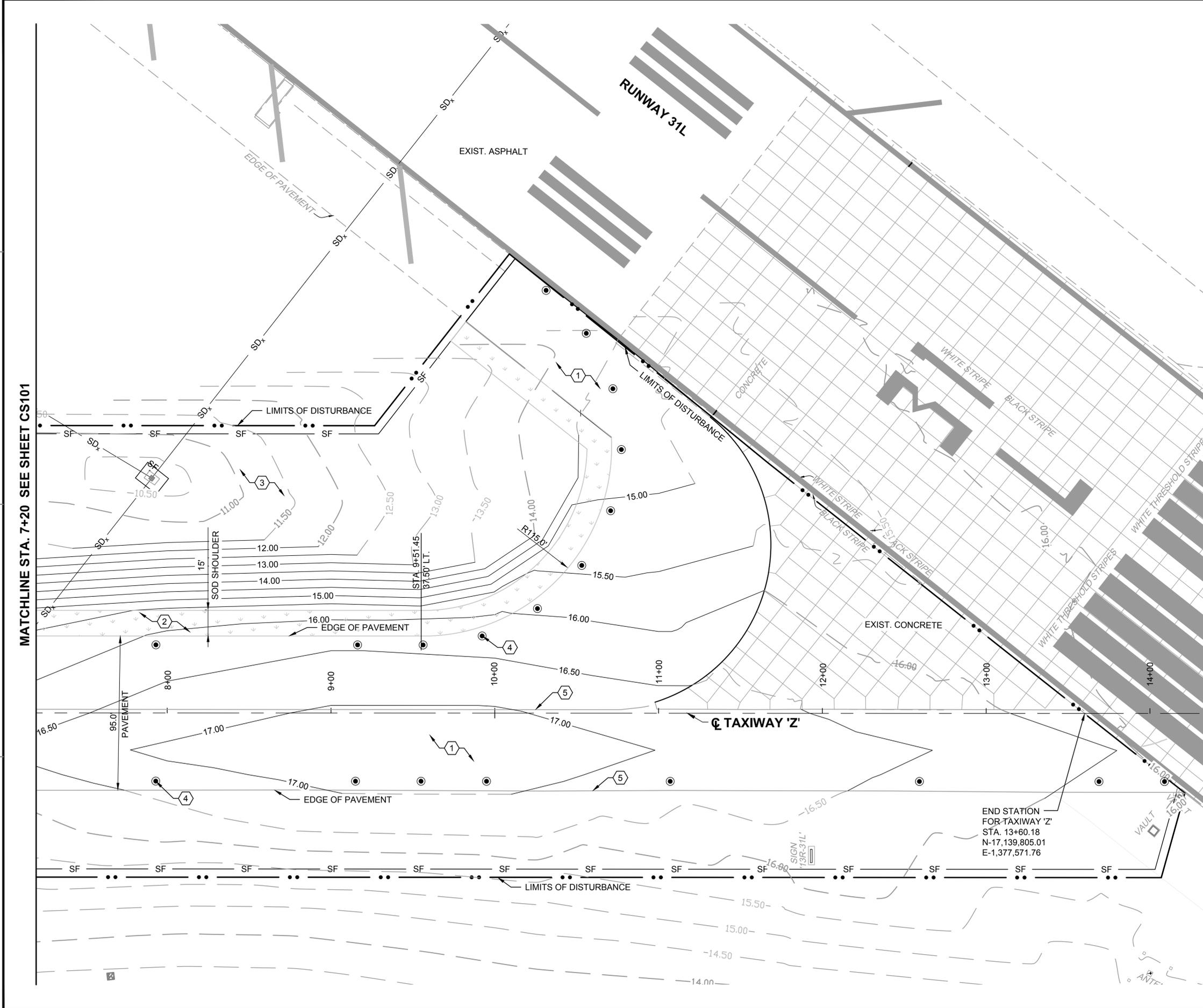


- NOTES:**
- SEE SHEET NO. G1003 FOR GENERAL NOTES AND LEGEND.
- KEY NOTES:**
- EXISTING ASPHALT TO REMAIN. PROTECT ACC PAVEMENT TO REMAIN. INADVERTANTLY DAMAGED ACC PAVEMENT TO BE REPAIRED TO EXISTING CONDITION OR BETTER. REPLACEMENT COSTS SHALL BE BORNE BY THE CONTRACTOR.
  - 15' WIDE GRASSED SOD SHOULDER. SEE SPECIFICATION 32 92 23.
  - NON-PAVED AREAS THAT ARE NOT SODDED SHALL BE SEEDED. SEE SPECIFICATION 32 92 19.
  - LIGHTING (TYP.) (SEE ELECTRICAL PLANS)
  - EDGE OF EXISTING ACC PAVEMENT.

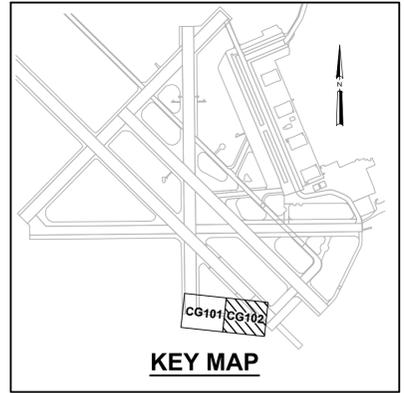


	DATE 8 JUN 15
	ISSUED FOR BID
	DESCRIPTION
	DATE
	DATE
   	
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES HWM   Draw JGP   Chk SMS PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CORE <b>NAS CORPUS CHRISTI AIRFIELD REPAIRS</b> CORPUS CHRISTI, TEXAS <b>TAXIWAY 'Z'</b> GRADING PLAN SHEET 1 OF 2	
SCALE: AS NOTED PROJECT NO.: CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15095450 SHEET 14 OF 41 <b>CG101</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>	

FILE NAME: P:\E\1650-TUL\DW\201114800\_NAS\_CCA\_Repair\20\_DESIGN\41\_CAD\C\134800-08b-CG102.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:36am USER: pallmarj



MATCHLINE STA. 7+20 SEE SHEET CS101



**NOTES:**

1. SEE SHEET NO. G1003 FOR GENERAL NOTES AND LEGEND.

**KEY NOTES:**

- ① EXISTING ASPHALT TO REMAIN. PROTECT ACC PAVEMENT TO REMAIN. INADVERTANTLY DAMAGED ACC PAVEMENT TO BE REPAIRED TO EXISTING CONDITION OR BETTER. REPLACEMENT COSTS SHALL BE BORNE BY THE CONTRACTOR.
- ② 15' WIDE GRASSED SOD SHOULDER. SEE SPECIFICATION 32 92 23.
- ③ NON-PAVED AREAS THAT ARE NOT SODDED SHALL BE SEEDED. SEE SPECIFICATION 32 92 19.
- ④ LIGHTING (TYP.) (SEE ELECTRICAL PLANS)
- ⑤ EDGE OF EXISTING ACC PAVEMENT.



ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			

LEIDOS ENGINEERING, LLC  
ONE WEST 3RD ST  
TULSA, OK 74119

DELTA AIRPORT CONSULTANTS, INC.  
8711 Faber Court, Suite 100  
Richmond, Virginia 23238  
phone: (804) 275-8301 • fax: (804) 275-8371  
www.deltairport.com • Delta Project No. 14072\_AE-010

APPROVED FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: HWM | DRW: JGP | CHK: SMS

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  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'Z'

GRADING PLAN SHEET 2 OF 2

SCALE: AS NOTED

PROJECT NO.:

CONSTR. CONTR. NO.:

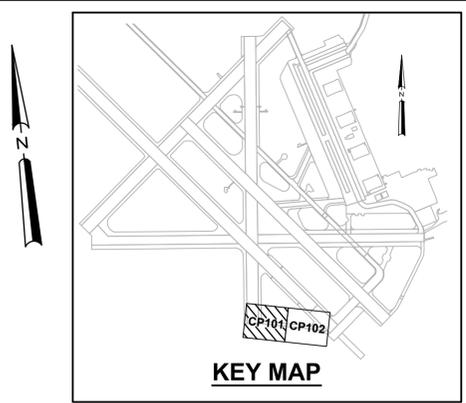
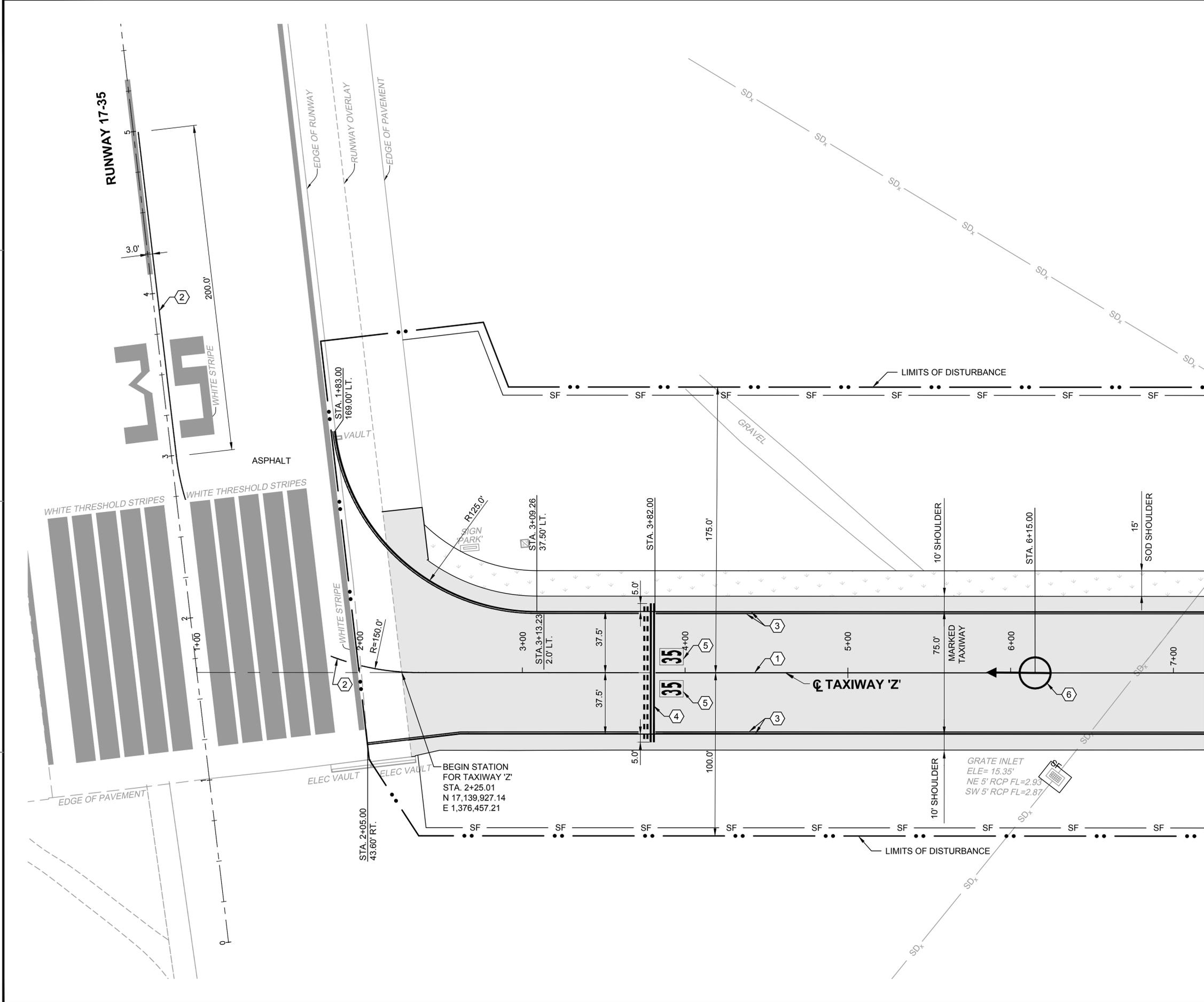
NAVFAC DRAWING NO. 15095451

SHEET 15 OF 41

**CG102**

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\ED\1650-TUL\DW\201514980-08b-CP101.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:37am USER: pallmarj



- NOTES:**
- REFER TO SHEET NO. G1003 FOR GENERAL NOTES AND LEGEND.
  - ALL PAVEMENT STRIPING SHALL BE IN ACCORDANCE WITH U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION, STANDARDS FOR AIRPORT MARKINGS, AC NO. 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION AND SPECIFICATION 32 17 23.
  - CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED BY HIS/HER PAINT REMOVAL OPERATIONS (i.e. - JOINT SEALANT DAMAGE) TO PRE-CONSTRUCTION CONDITION OR BETTER.
  - STRIPING BEYOND LIMITS OF DISTURBANCE / LIMITS OF WORK IS PART OF THIS PROJECT.

- KEY NOTES:**
- TAXIWAY CENTERLINE STRIPING, 6" WIDE, YELLOW WITH BLACK OUTLINE (ON PCC ONLY) IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION, AND SPECIFICATION 32 17 23. SEE DETAIL SHEET NO. C-508.
  - TAXIWAY CENTERLINE STRIPING, 6" WIDE, YELLOW WITH BLACK OUTLINE (ON PCC ONLY) CONTINUED PAST LIMITS OF DISTURBANCE. IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION, AND SPECIFICATION 32 17 23. SEE SHEET NO. C-508.
  - TAXIWAY EDGE STRIPES, 6" WIDE, YELLOW WITH BLACK OUTLINE (ON PCC ONLY) IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION, AND SPECIFICATION 32 17 23. SEE SHEET NO. C-508.
  - RUNWAY HOLDING POSITION STRIPING 4" YELLOW LINES (2 DASHED AND SPACES AT 3' IN LENGTH) AND 3 SPACES AT 12", EACH W/ BLACK (ON PCC ONLY) IAW FAA AC 150/5340 PER NAVAIR 51-50 AAA SPECIFICATION 3218-23.0020. SEE DETAIL SHEET NO. C-507.
  - SURFACE PAINTED HOLDING POSITION SIGN, IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION AND SPECIFICATION 32 17 23. SEE DETAIL SHEET NO. C-509.
  - TACAN CHECKPOINT, IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID) NAVAIR 51-50AAA-2 LATEST EDITION AND SPECIFICATION 32 17 23. SEE DETAIL SHEET NO. C-509.

**MATCHLINE STA. 7+20 SEE SHEET CP102**

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST  
NAVAL AIR STATION JACKSONVILLE  
CIBL CORE  
NAS CORPUS CHRISTI  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
CORPUS CHRISTI, TEXAS  
STRIPING PLAN SHEET 1 OF 2

SCALE: AS NOTED  
PROJECT NO.:  
CONSTR. CONTR. NO.:  
NAVFAC DRAWING NO.: 15095452  
SHEET 16 OF 41  
CP101  
DRAWFORM REVISION: 5 APRIL 2012

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

ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			

APPROVED FOR COMMANDER NAVFAC

SATISFACTORY TO DATE

DES: HWM | DRW: JGP | CHK: SMS

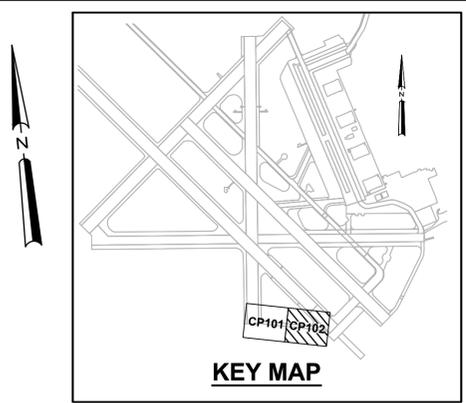
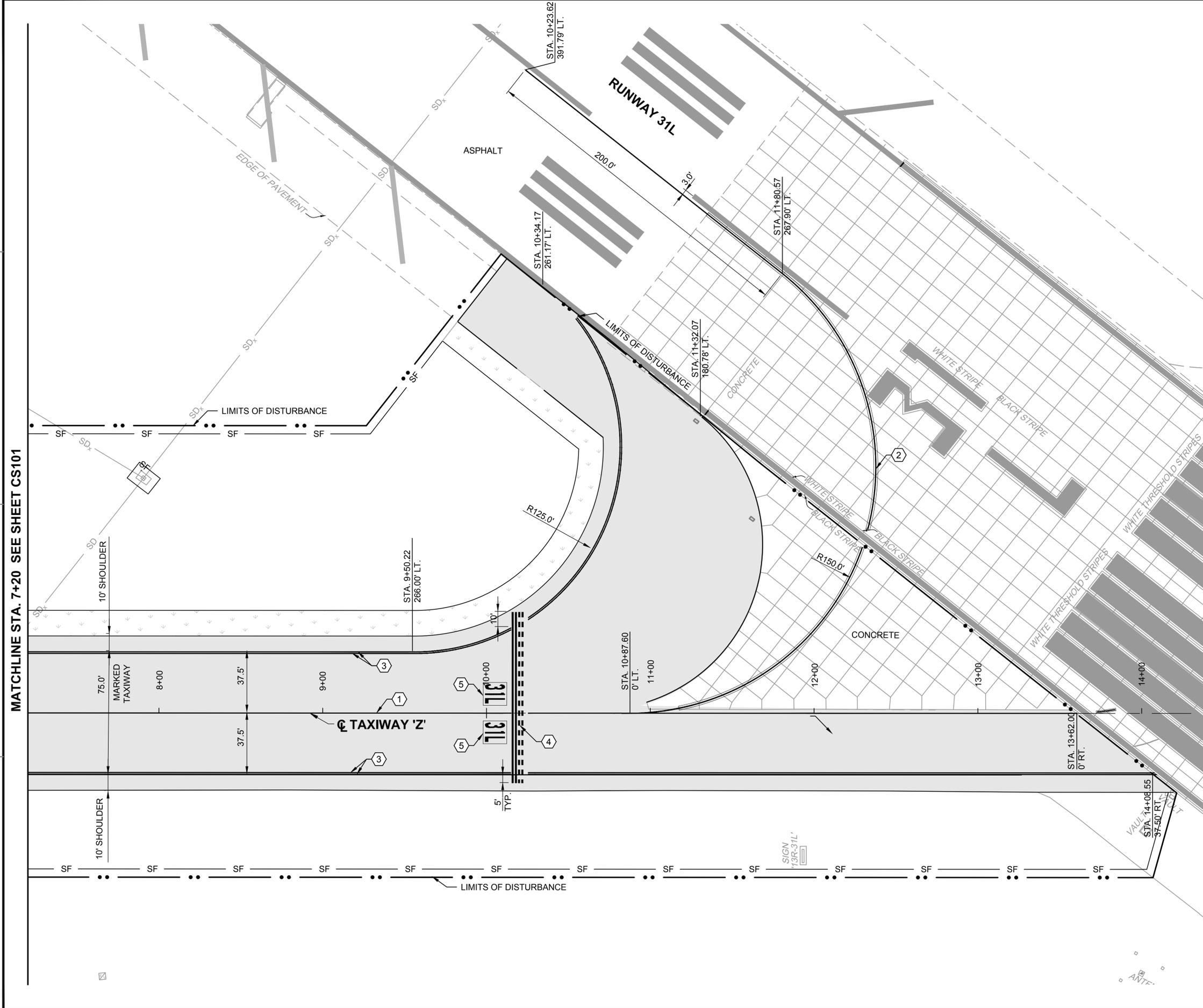
PM / DM

BRANCH MANAGER

CHIEF ENG / ARCH

FIRE PROTECTION

FILE NAME: P:\ED\1650-TUL\CON\201114800-INS\_CCA\_Repair\20\_DESIGN\41\_CAD\C\134800-08b-CP102.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:37am USER: pallmarj



- NOTES:**
- REFER TO SHEET NO. G1003 FOR GENERAL NOTES AND LEGEND.
  - ALL PAVEMENT STRIPING SHALL BE IN ACCORDANCE WITH U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION, STANDARDS FOR AIRPORT MARKINGS, AC NO. 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION AND SPECIFICATION 32 17 23.
  - CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED BY HIS/HER PAINT REMOVAL OPERATIONS (i.e. - JOINT SEALANT DAMAGE) TO PRE-CONSTRUCTION CONDITION OR BETTER.
  - STRIPING BEYOND LIMITS OF DISTURBANCE / LIMITS OF WORK IS PART OF THIS PROJECT.

- KEY NOTES:**
- TAXIWAY CENTERLINE STRIPING, 6" WIDE, YELLOW WITH BLACK OUTLINE (ON PCC ONLY) IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION, AND SPECIFICATION 32 17 23. SEE DETAIL SHEET NO. C-508.
  - TAXIWAY CENTERLINE STRIPING, 6" WIDE, YELLOW WITH BLACK OUTLINE (ON PCC ONLY) CONTINUED PAST LIMITS OF DISTURBANCE. IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION, AND SPECIFICATION 32 17 23. SEE SHEET NO. C-508.
  - TAXIWAY EDGE STRIPES, 6" WIDE, YELLOW WITH BLACK OUTLINE (ON PCC ONLY) IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION, AND SPECIFICATION 32 17 23. SEE SHEET NO. C-508.
  - RUNWAY HOLDING POSITION STRIPING 4" YELLOW LINES (2 DASHED AND SPACES AT 3' IN LENGTH) AND 3 SPACES AT 12", EACH W/ BLACK (ON PCC ONLY) IAW FAA AC 150/5340 PER NAVAIR 51-50 AAA SPECIFICATION 3218-23.0020. SEE DETAIL SHEET NO. C-507.
  - SURFACE PAINTED HOLDING POSITION SIGN, IAW FAA AC 150/5340 (CURRENT EDITION AT TIME OF BID), NAVAIR 51-50AAA LATEST EDITION AND SPECIFICATION 32 17 23. SEE DETAIL SHEET NO. C-509.



ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			

APPROVED FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: HWM | DRW: JGP | CHK: SMS

BRANCH MANAGER

CHIEF ENG / ARCH

FIRE PROTECTION

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

SCALE: AS NOTED

PROJECT NO.:

CONSTR. CONTR. NO.:

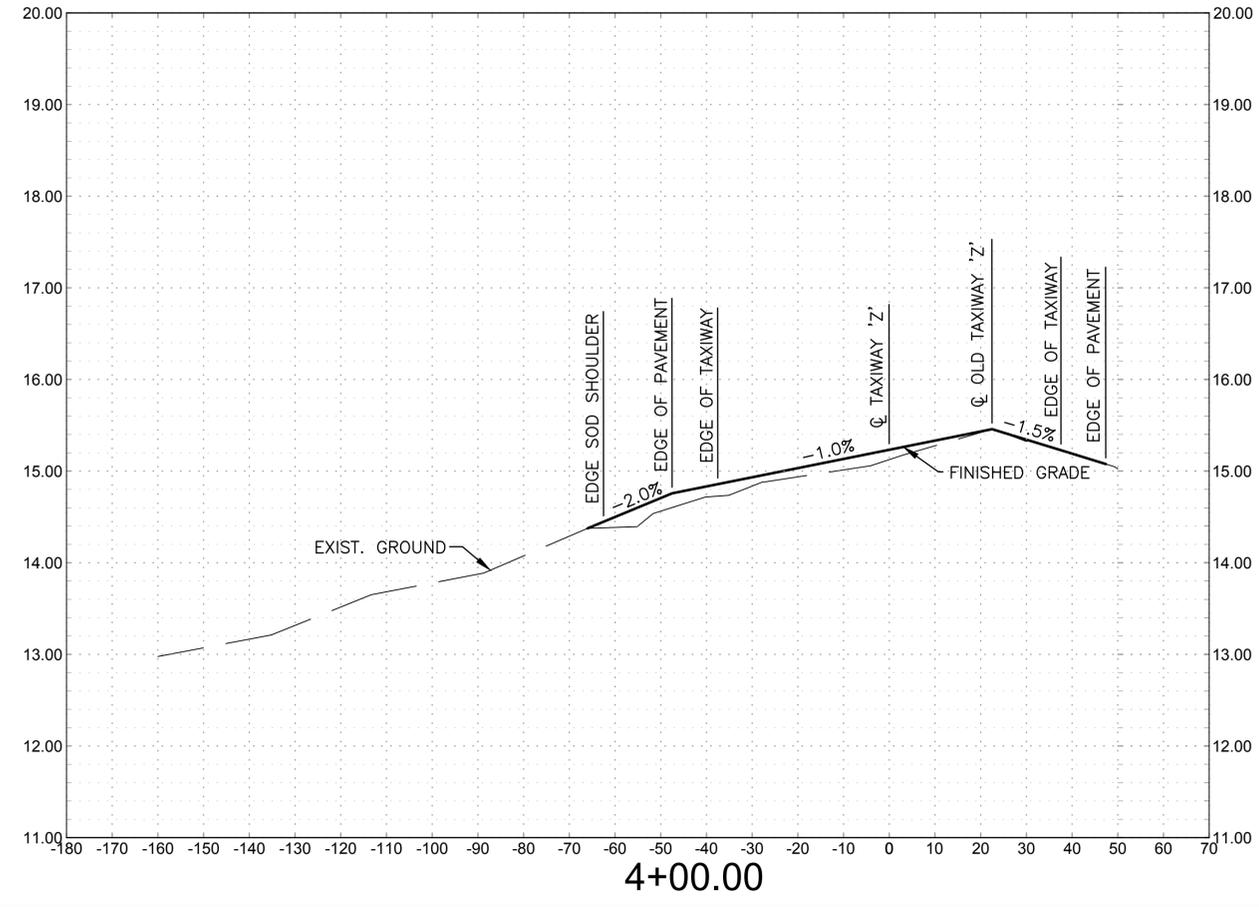
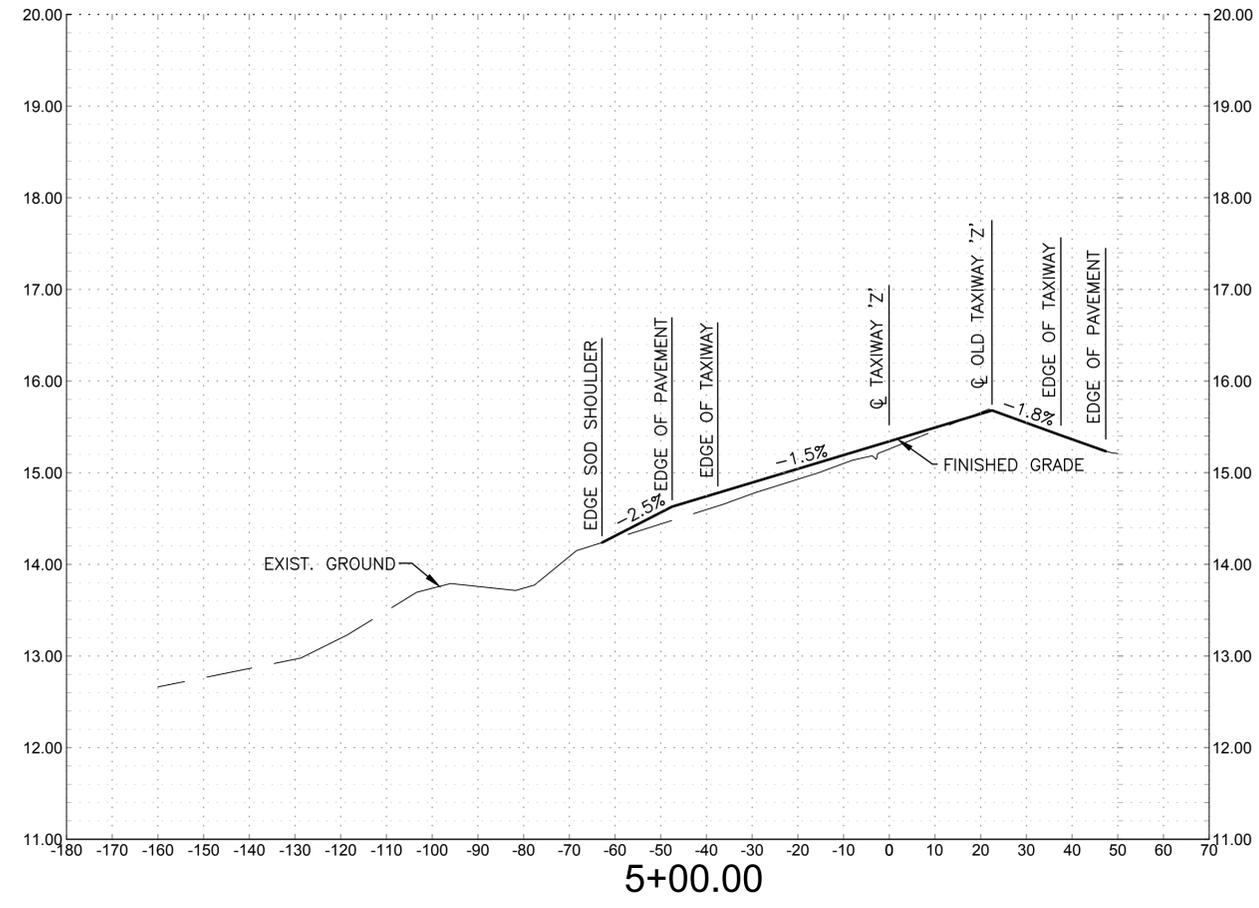
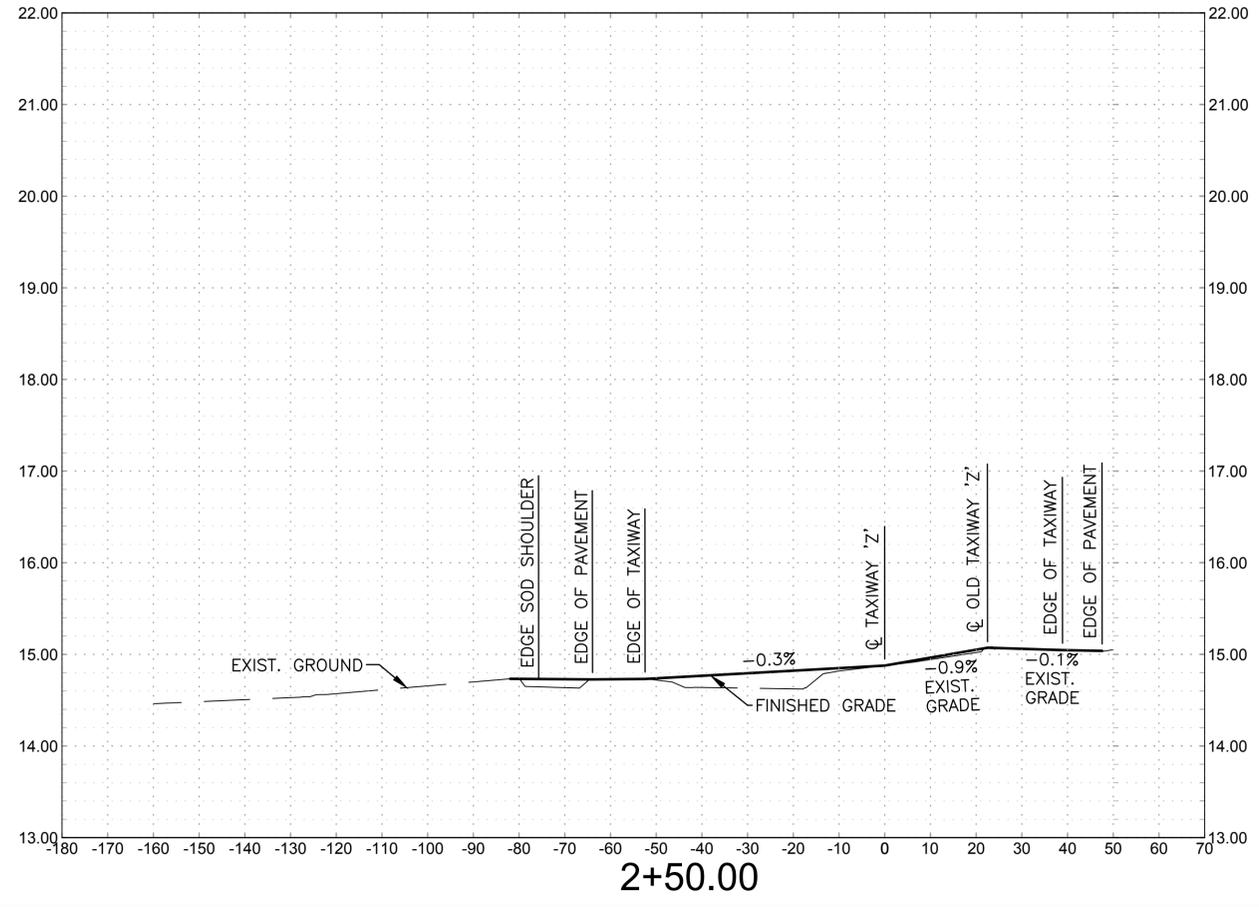
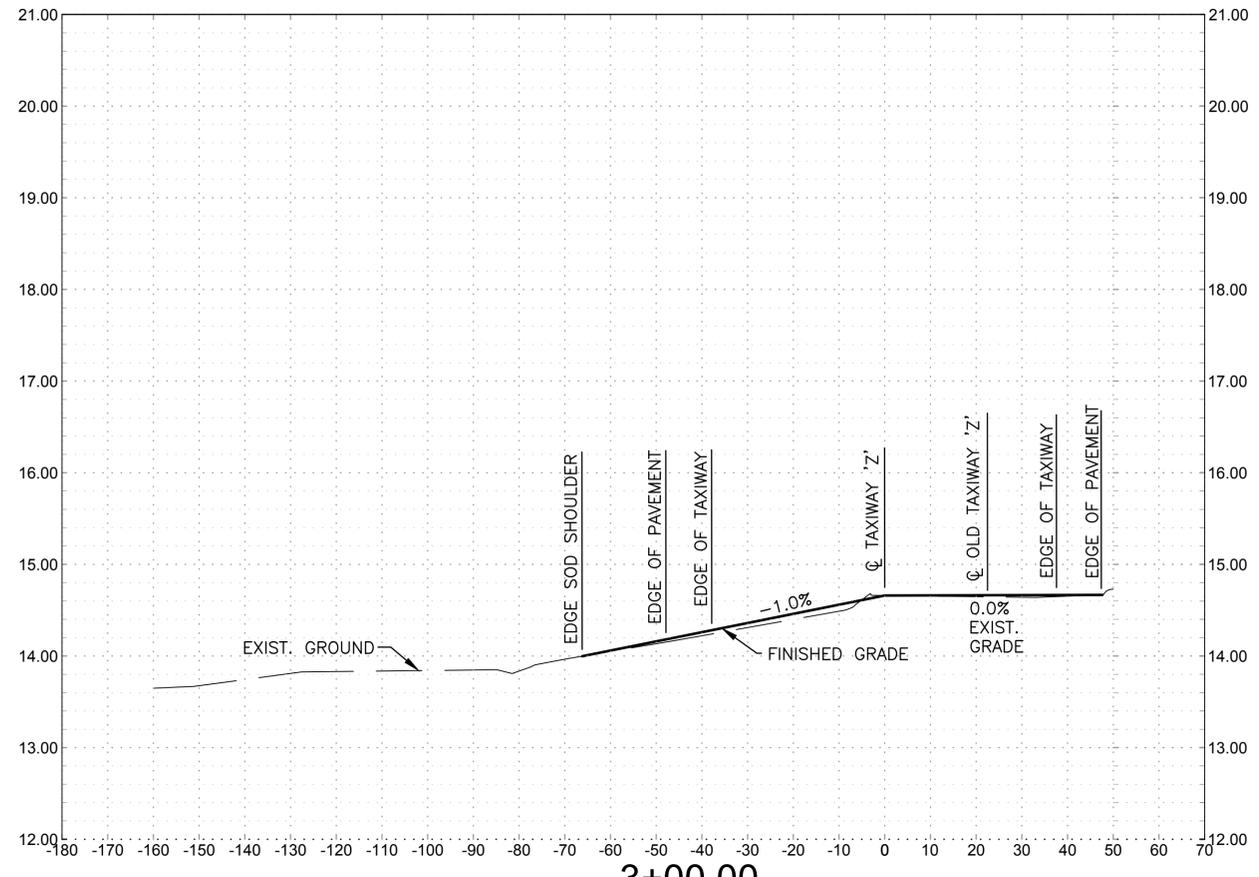
NAVFAC DRAWING NO. 15095453

SHEET 17 OF 41

**CP102**

STRIPING PLAN SHEET 2 OF 2

FILE NAME: P:\E\1650-TUL\DWG\2011\4800\_NAS\_CCA\_Repair\20\_DESIGN\4L\_CAD\C\134800-08b-CS-301.dwg LAYOUT NAME: Layout1 PLOTTED: Tuesday, June 09, 2015 - 10:37am USER: palmerj



DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	

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

DELTA AIRPORT CONSULTANTS, INC.  
8711 Faber Court, Suite 100  
Richmond, Virginia 23238  
phone: (804) 275-8301 • fax: (804) 275-8371  
www.deltairport.com  
Delta Project No. 14072\_AE-INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: HWM | DRW: JGP | CHK: SMS

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 'Z'

CROSS SECTIONS SHEET 1 OF 3

SCALE: AS NOTED

PROJECT NO.:

CONSTR. CONTR. NO.:

NAVFAC DRAWING NO. 15095454

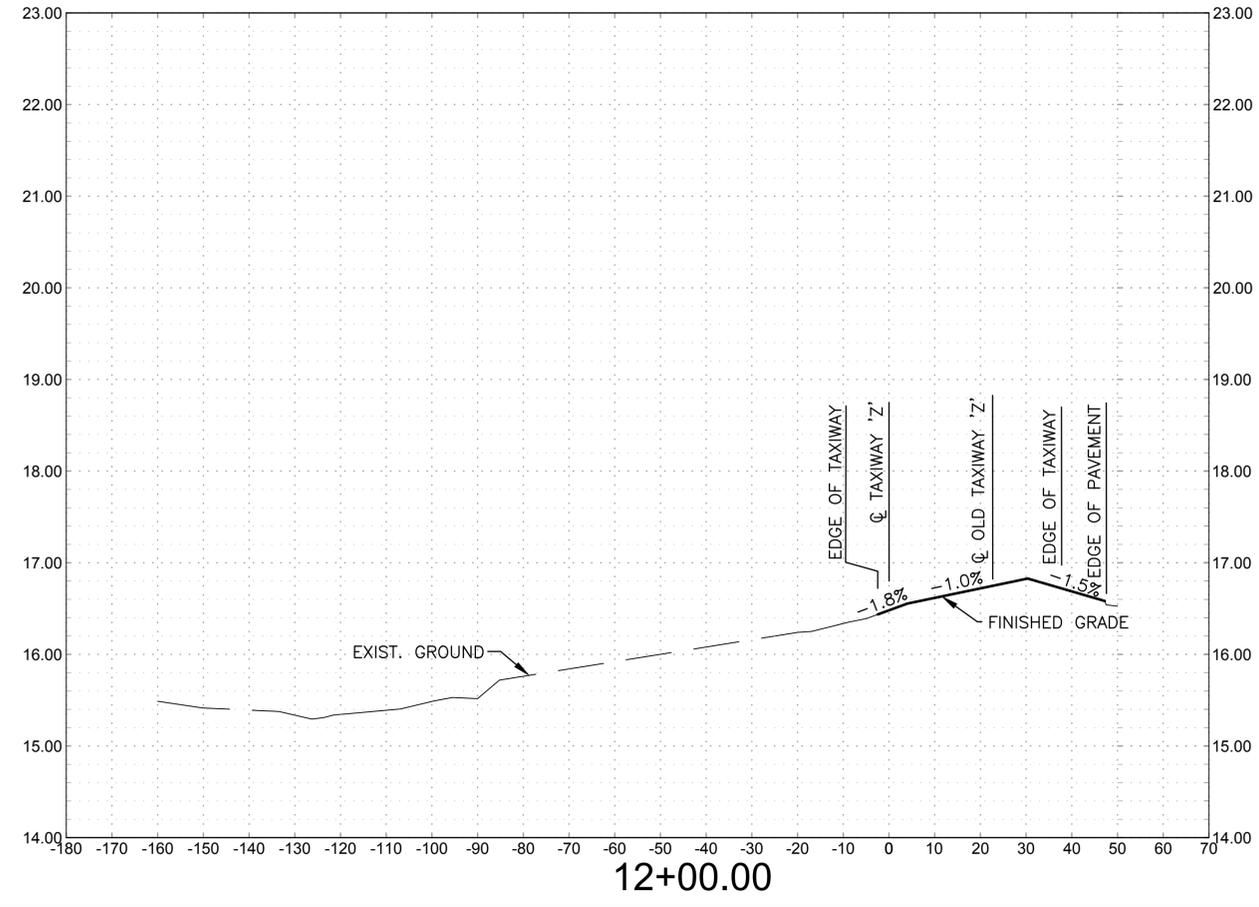
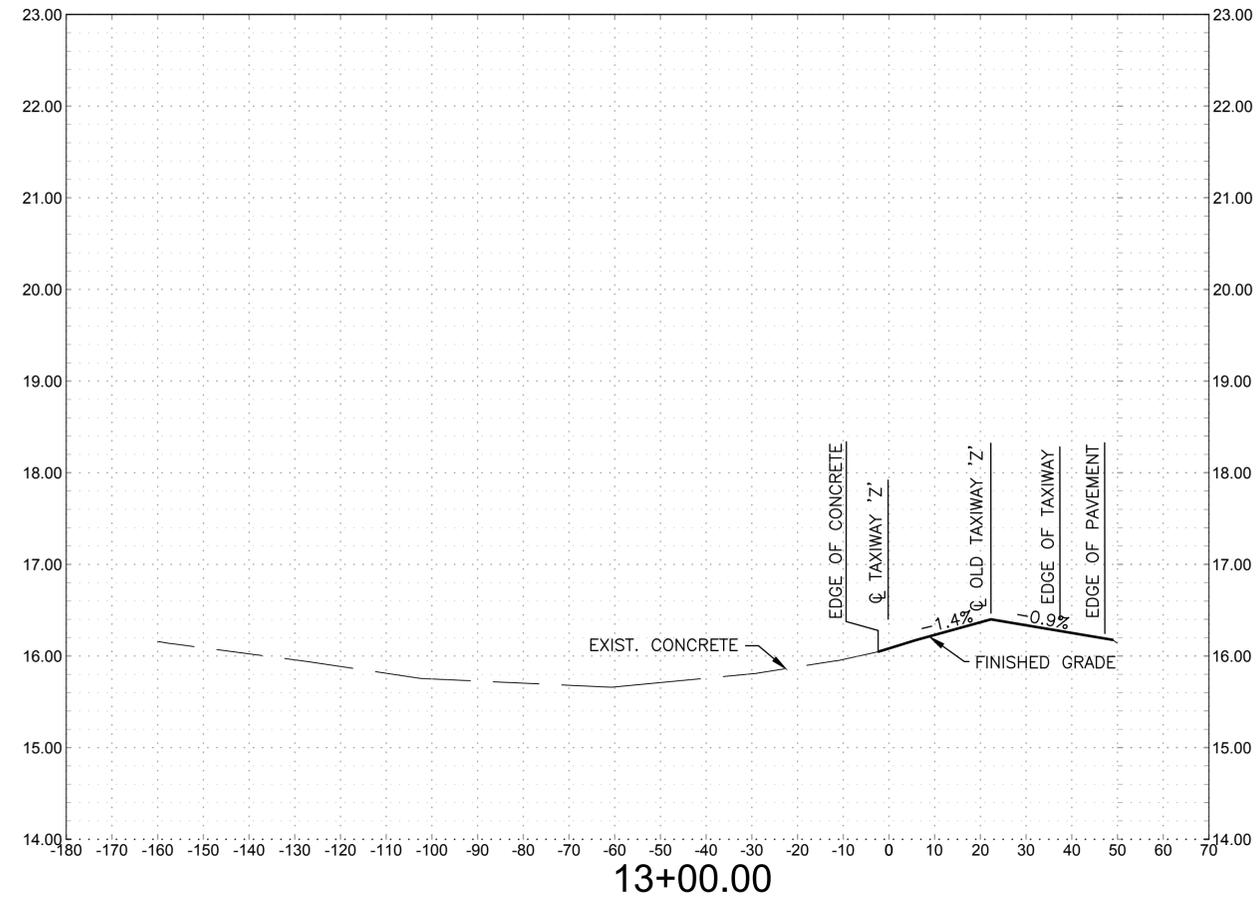
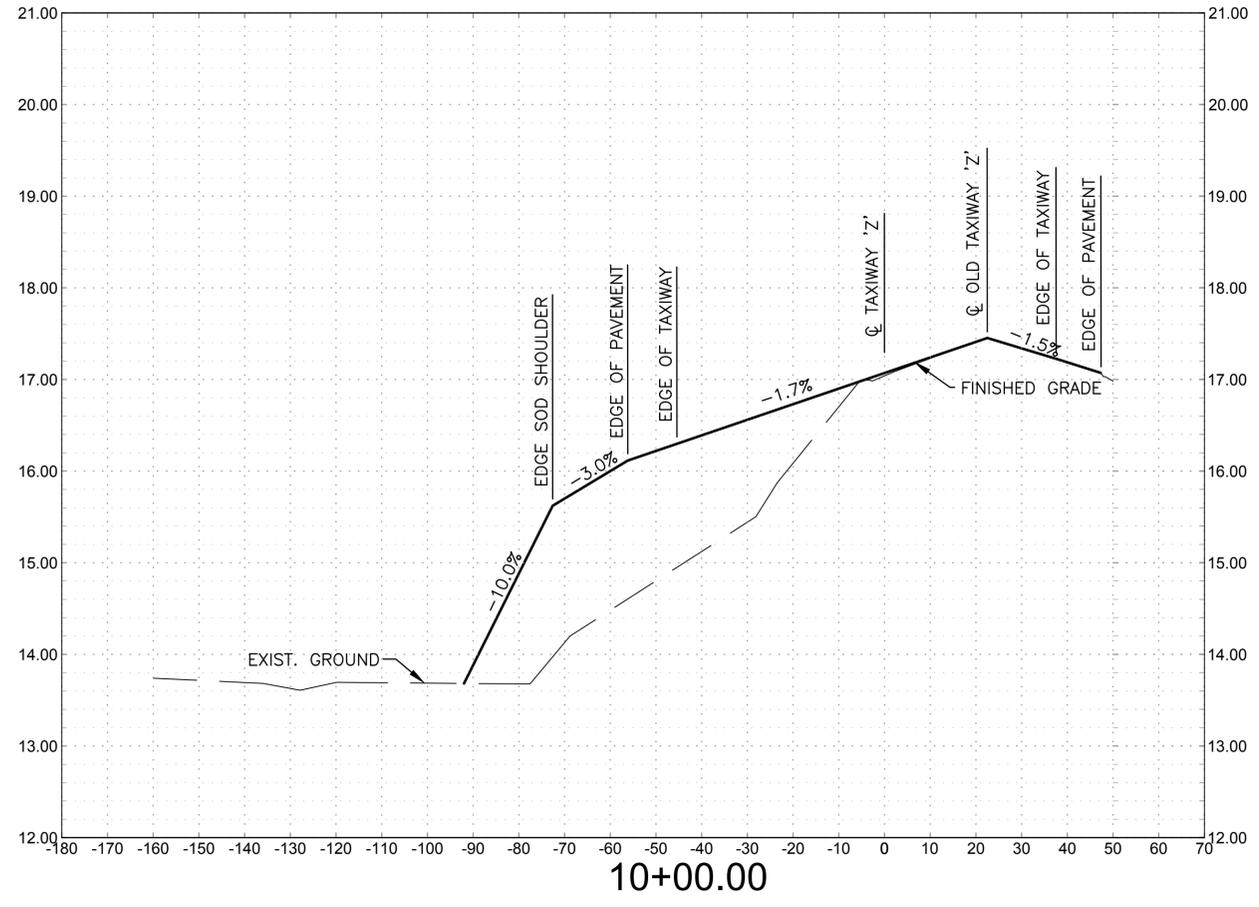
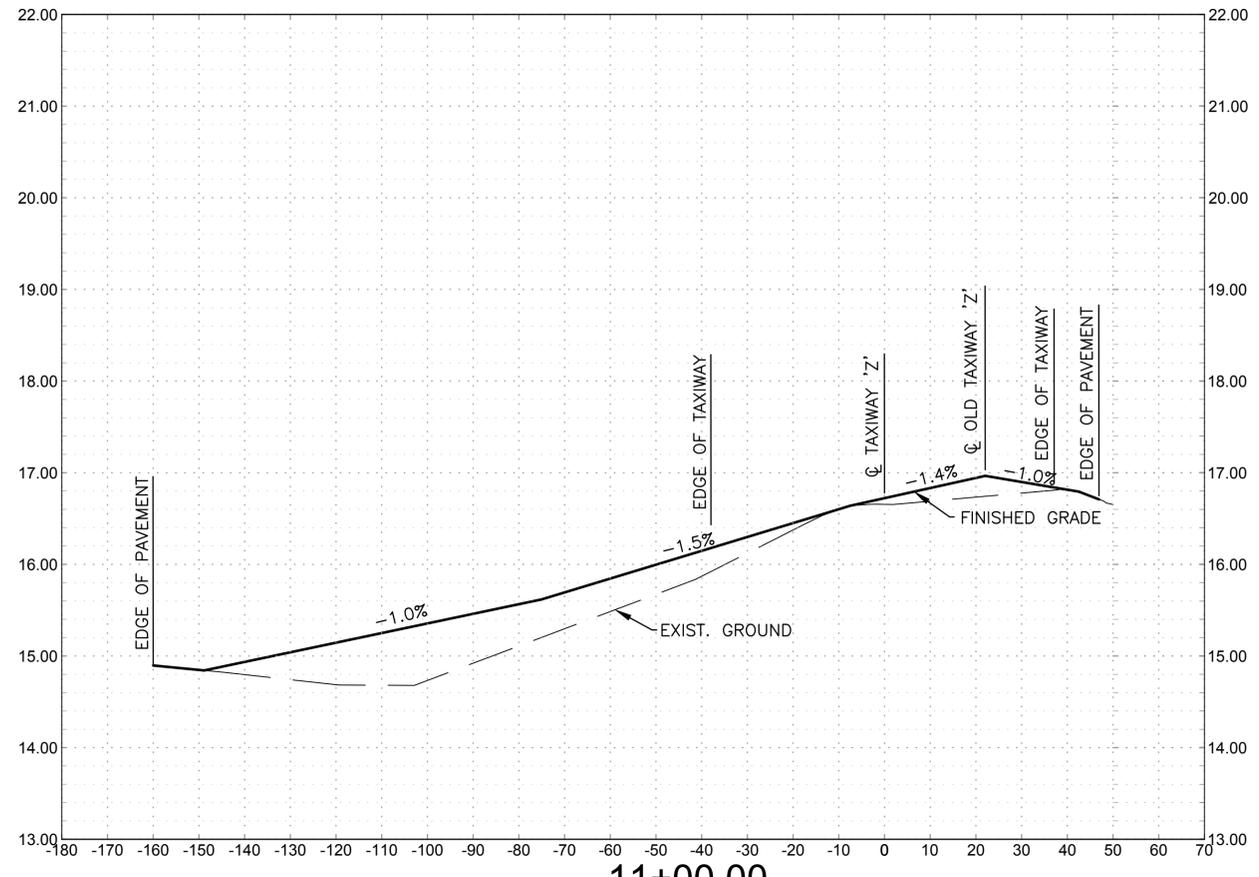
SHEET 18 OF 41

**CS301**

DRAWFORM REVISION: 5 APRIL 2012



FILE NAME: P:\E\1650-TUL\DWG\2011\4800\_NAS\_CCA\_Repair\20\_DESIGN\41\_CAD\C\134800-08b-CS-303.dwg LAYOUT NAME: Layout1 PLOTTED: Tuesday, June 09, 2015 - 10:37am USER: pdlmonj



DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	

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

**DELTA AIRPORT CONSULTANTS, INC.**  
8711 Frazier Court, Suite 100  
Richmond, Virginia 23238  
phone: (804) 275-8301 • fax: (804) 275-8371  
www.deltairport.com  
Delta Project No. 14072\_AE-INFO

APPROVED FOR COMMANDER NAVFAC

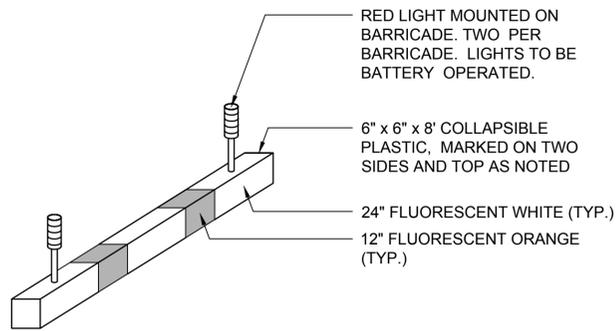
SATISFACTORY TO DATE  
DES: HWM | DRW: JGP | CHK: SMS

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  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'Z'

CROSS SECTIONS SHEET 3 OF 3

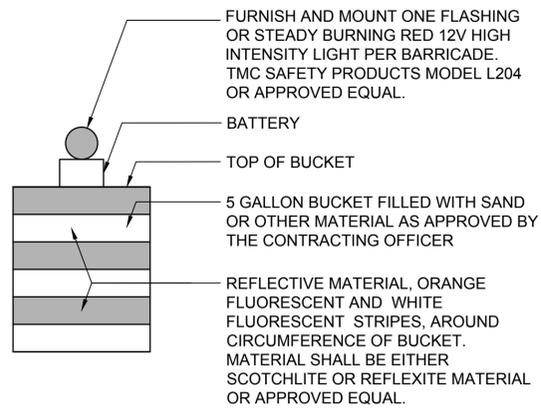
SCALE: AS NOTED  
PROJECT NO.:  
CONSTR. CONTR. NO.:  
NAVFAC DRAWING NO. 15095456  
SHEET 20 OF 41  
**CS303**  
DRAWFORM REVISION: 5 APRIL 2012



**NOTES:**

1. COLLAPSIBLE PLASTIC BARRICADES SHALL BE PLACED 25 FEET ON CENTER ACROSS FULL WIDTH OF PAVEMENT.
2. PROVIDE A FAA APPROVED (FAA AC 150/5370-2E), LIGHTED RUNWAY CLOSURE MARKER AS A TEMPORARY CLOSED MARKING TO WARN PILOTS OF CLOSED RUNWAYS AND TAXIWAYS.
3. LOCATION OF TEMPORARY CLOSED MARKINGS SHALL BE COORDINATED WITH THE CONTRACTING OFFICER.

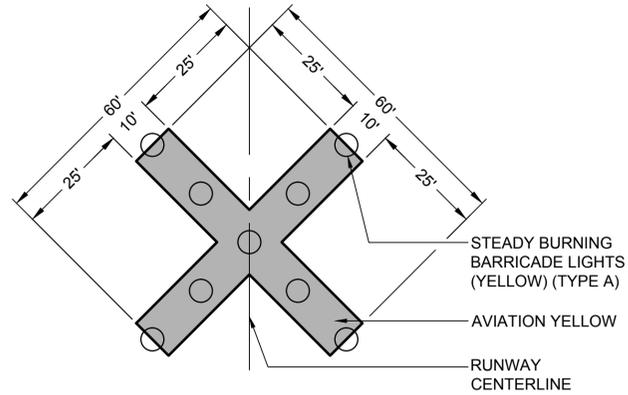
**1** TEMPORARY MOVEMENT AREA AIRFIELD BARRICADE DETAIL  
NOT TO SCALE



**NOTES**

1. FLASHING 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.

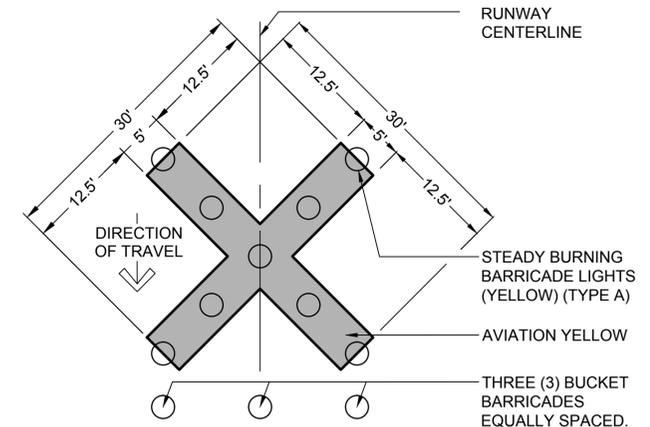
**2** BUCKET BARRICADE DETAIL  
NOT TO SCALE



**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. MAKE FREQUENT INSPECTIONS OF THE MARKINGS AND MAKE PROMPT REPAIRS AS NECESSARY.
4. 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.

**3** LIGHTED CLOSED RUNWAY MARKER DETAIL  
NOT TO SCALE



**NOTES**

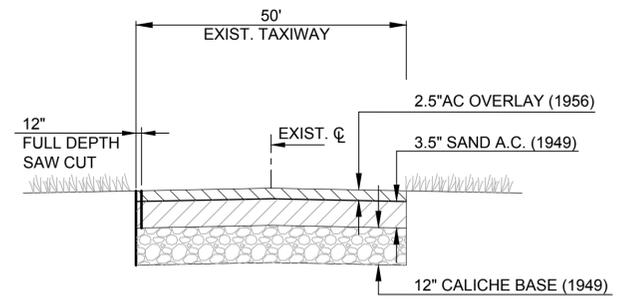
1. CLOSED MARKERS SHALL BE INSTALLED AS THE FIRST ITEM OF WORK.
2. THE CLOSED MARKERS MAY BE CONSTRUCTED OF 40 POUND ROOFING PAPER, SNOW FENCE, OR ANY OTHER MATERIAL APPROVED BY THE CONTRACTING OFFICER.
3. MAKE FREQUENT INSPECTIONS OF THE MARKINGS AND MAKE PROMPT REPAIRS AS NECESSARY.
4. SCHEDULE THE 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.

**4** LIGHTED CLOSED TAXIWAY MARKER DETAIL  
NOT TO SCALE

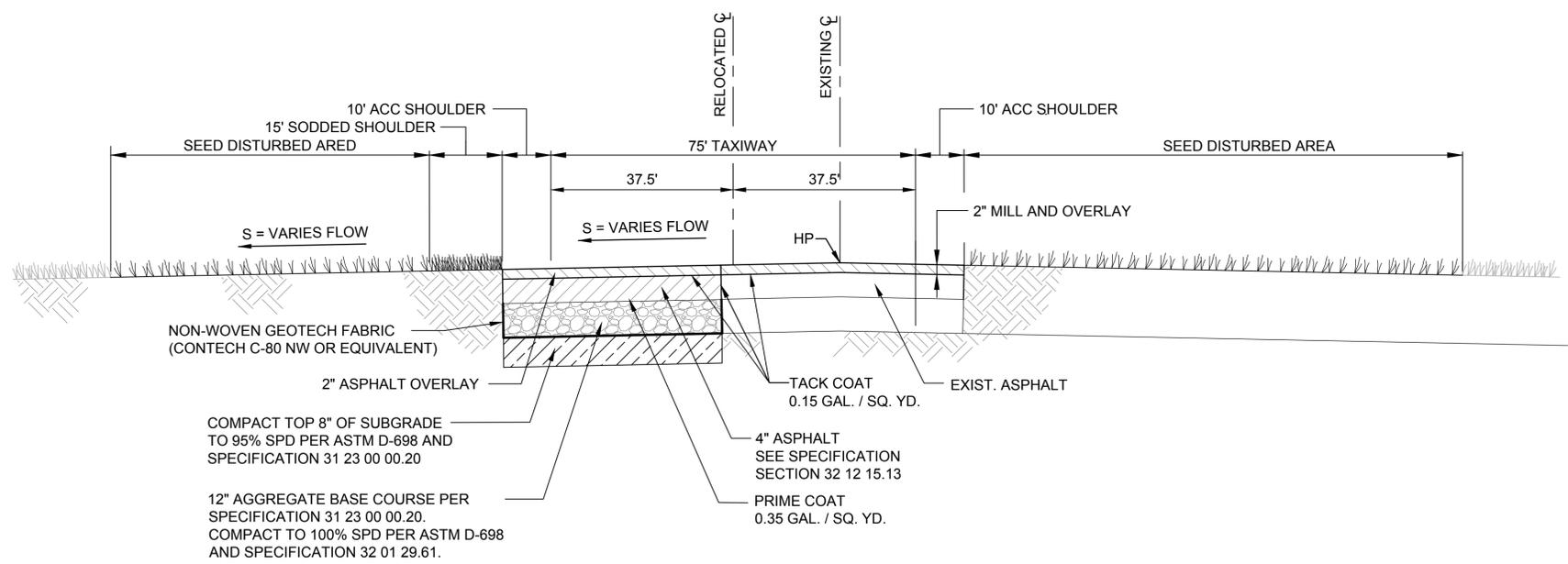
FILE NAME: P:\ED\1650-TUL\DW\2011\4800\_NAS\_CCA\_Repair\20\_DESN\41\_CAD\C\134800-08b-C-501.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:36am USER: pdlmmaj

ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES HWM   DRW JGP   CHK SMS PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z' GENERAL DETAILS			
SCALE: AS NOTED PROJECT NO.: CONSTR. CONTR. NO.:			
NAVFAC DRAWING NO. 15095457 SHEET 21 OF 41 <b>C-501</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>			

FILE NAME: P:\E\1650-TUL\DWG\2015144800\_NAS\_CCA\_Repair\20\_DESN\41\_CAD\C\144800-08b-C-502.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:36am USER: pdlmmaj



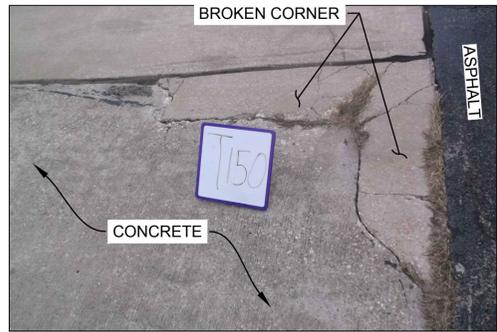
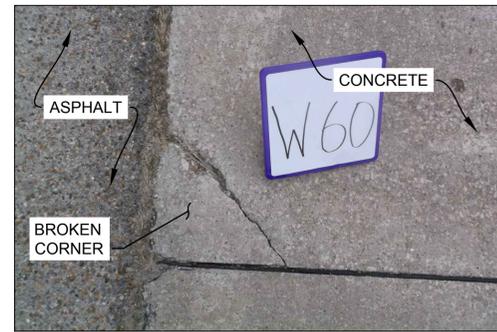
**1 TAXIWAY 'Z' EXISTING PAVEMENT SECTION**  
 NOT TO SCALE  
 EXISTING A.C. PAVEMENT SECTION WAS TAKEN FROM THE AIRFIELD PAVEMENT CONDITION SURVEY REPORT THAT WAS SUBMITTED IN APRIL 2013.



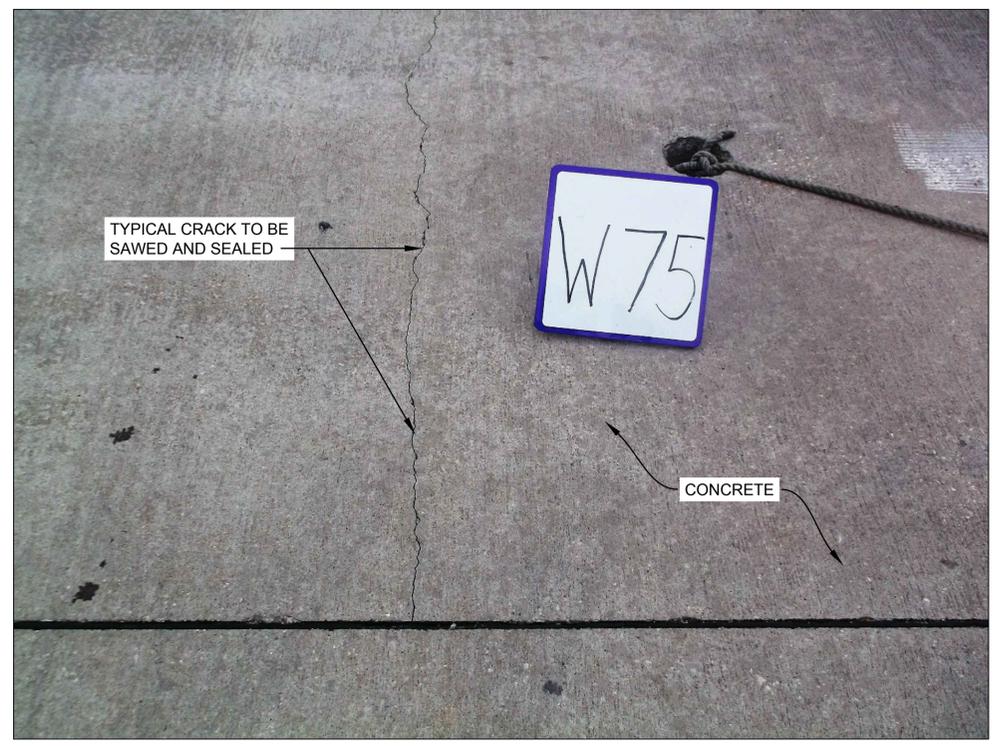
**2 TAXIWAY 'Z' PROPOSED SECTION**  
 NOT TO SCALE

DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	
 	
 <small>LEIDOS ENGINEERING, LLC ONE WEST 3RD ST TULSA, OK 74103</small>	
 <small>DELTA AIRPORT CONSULTANTS, INC. 8711 Faber Court, Suite 100 Richmond, Virginia 23238 phone: (804) 275-8301 • fax: (804) 275-8371 www.deltairportconsultants.com Delta Project No. 14072_AE-INFO</small>	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES HWM	DRW JGP
CHK SMS	
PM / DM	
BRANCH MANAGER	
CHIEF ENG / ARCH	
FIRE PROTECTION	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z' TYPICAL SECTIONS	
SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15095458
SHEET	22 OF 41
<b>C-502</b>	
<small>DRAWFORM REVISION: 5 APRIL 2012</small>	

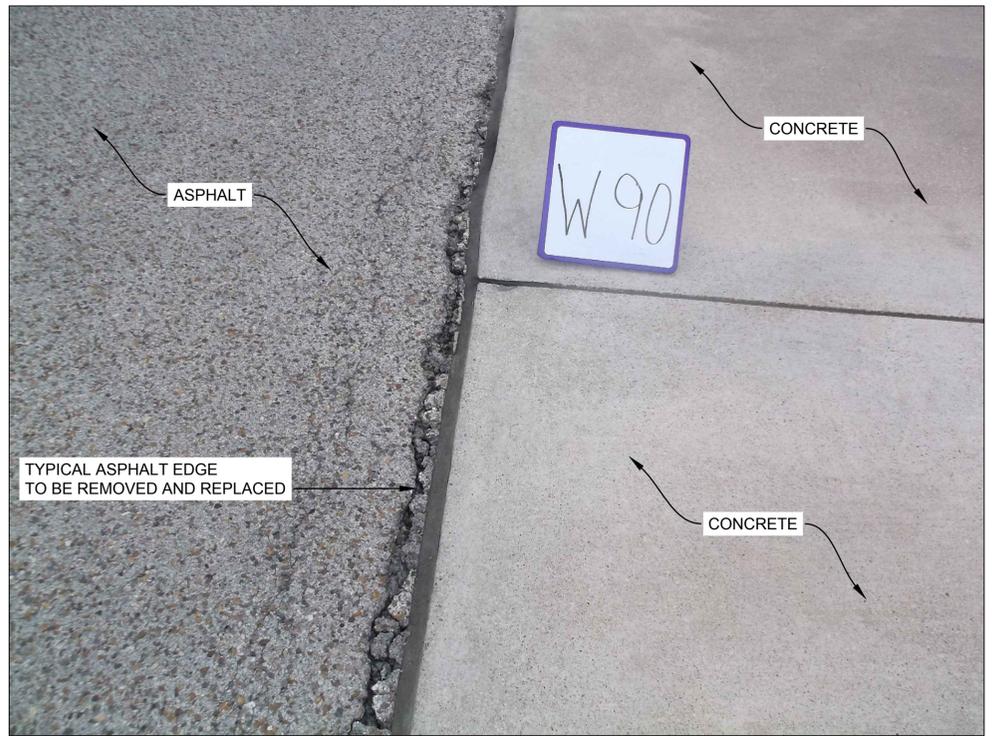
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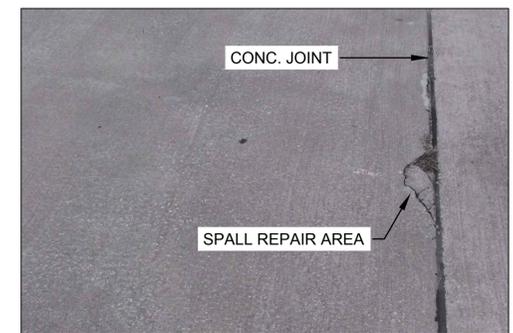
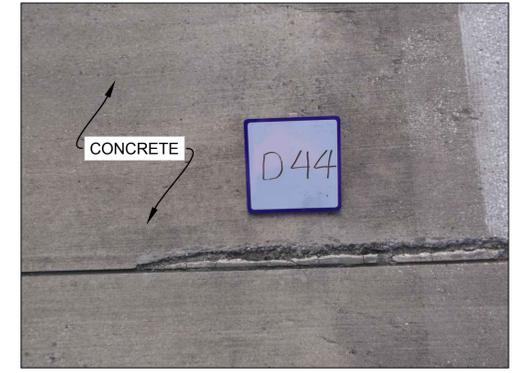
**1 TYPICAL FULL DEPTH REPLACEMENT**  
NOT TO SCALE



**2 TYPICAL CRACK REPAIR**  
NOT TO SCALE



**3 TYPICAL ASPHALT EDGE REPLACEMENT**  
NOT TO SCALE

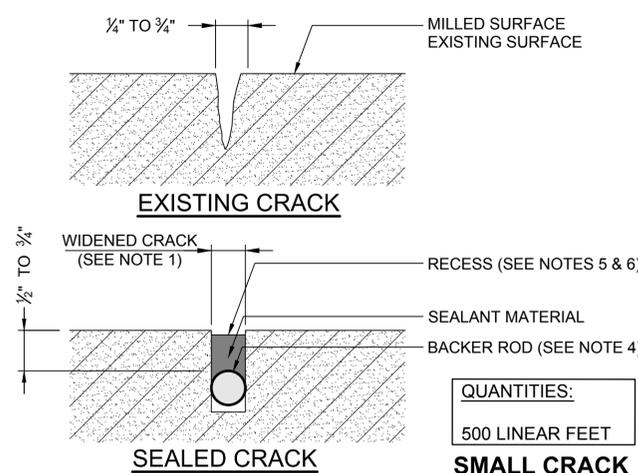


**4 TYPICAL SPALL REPAIR**  
NOT TO SCALE



**5 TYPICAL SILVER SPALL**  
NOT TO SCALE

ISSUED FOR BID	0	DATE	8 JUN 15
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES HWM   DRW JGP   CHK SMS PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z' PAVEMENT REPAIR DETAILS			
SCALE: AS NOTED PROJECT NO.: CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15095459 SHEET 23 OF 41 <b>C-503</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>			



QUANTITIES:  
500 LINEAR FEET

**SMALL CRACK ASPHALT REPAIR DETAIL**  
1 NOT TO SCALE

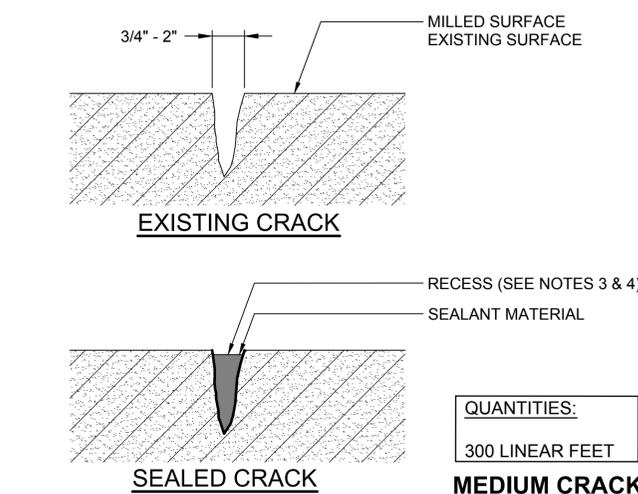
**SMALL CRACKS (1/4" TO 3/4")**

PREPARATION:

1. WIDEN TO A NOMINAL WIDTH OF 1/8" GREATER THAN THE EXISTING NOMINAL OR AVERAGE WIDTH. THE DEPTH OF THE ROUTED OR SAWN (CONTRACTOR OPTION) CRACK SHOULD BE APPROXIMATELY 3/4" AND PRODUCE VERTICAL FACES.
2. CLEAN CRACK USING A WATER BLASTER OR WIRE BRUSHES, AND THEN CLEAN WITH COMPRESSED AIR.
3. CLEAN AND INSPECT WIDENED CRACK TO ENSURE IT IS DRY AND FREE OF DEBRIS AND LOOSE MATERIAL.
4. INSTALL BACKER ROD IF CRACK HAS A DEPTH GREATER THAN 3/4" DEEP. IF THE DEPTH OF CRACK IS NOT DEEP ENOUGH TO ACCOMMODATE THE BACKER ROD AND MAINTAIN A SEALANT DEPTH OF 1/2" TO 3/4", THEN THE CRACK CAN BE ROUTED OR THE BACKER ROD MATERIAL OMITTED.

SEALING:

5. FOR AREAS WHICH WILL RECEIVE AN OVERLAY - FILL CRACKS WITH SEALANT SUCH THAT THE FINISHED PRODUCT IS RECESSED A MINIMUM OF 1/4" BELOW THE EXISTING MATERIAL'S SURFACE TO PREVENT THE NEW MATERIAL FROM BLEEDING THROUGH THE SUBSEQUENT OVERLAY.
6. FOR AREAS WHICH WILL NOT RECEIVE AN OVERLAY - FILL CRACKS WITH SEALANT SUCH THAT THE FINISHED PRODUCT IS AT OR SLIGHTLY BELOW (EQUAL TO OR LESS THAN 1/8") THE EXISTING MATERIAL'S SURFACE.
7. USE A SQUEEGEE TO REMOVE ANY EXCESS SEALANT FROM THE PAVEMENT.



QUANTITIES:  
300 LINEAR FEET

**MEDIUM CRACK ASPHALT REPAIR DETAIL**  
2 NOT TO SCALE

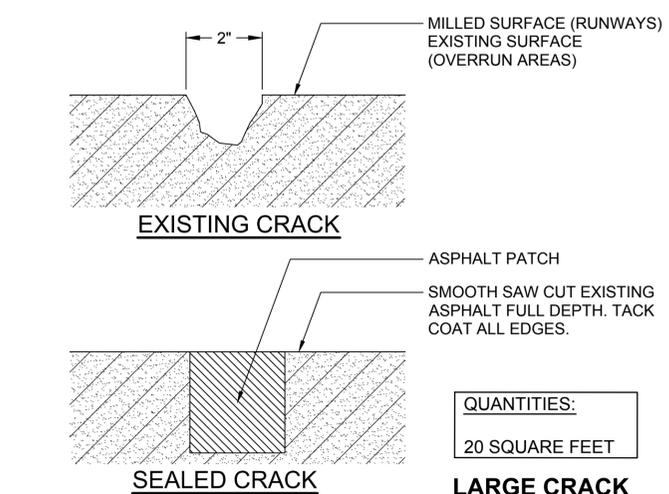
**MEDIUM CRACKS (3/4" TO 2")**

PREPARATION:

1. CLEAN CRACK USING A WATER BLASTER OR WIRE BRUSHES, AND THEN CLEAN WITH COMPRESSED AIR.
2. CLEAN AND INSPECT CRACK TO ENSURE IT IS DRY AND FREE OF DEBRIS AND LOOSE MATERIAL.

SEALING:

3. FOR AREAS WHICH WILL RECEIVE AN OVERLAY - FILL CRACKS WITH A SEALANT SUCH THAT THE FINISHED PRODUCT IS RECESSED A MINIMUM OF 1/4" BELOW THE EXISTING MATERIAL'S SURFACE TO PREVENT THE NEW MATERIAL FROM BLEEDING THROUGH THE SUBSEQUENT OVERLAY.
4. FOR AREAS WHICH WILL NOT RECEIVE AN OVERLAY - FILL CRACKS WITH A SEALANT SUCH THAT THE FINISHED PRODUCT IS AT OR SLIGHTLY BELOW (EQUAL TO OR LESS THAN 1/8") THE EXISTING MATERIAL'S SURFACE.
5. USE A SQUEEGEE TO REMOVE ANY EXCESS SEALANT FROM THE PAVEMENT.



QUANTITIES:  
20 SQUARE FEET

**LARGE CRACK ASPHALT REPAIR DETAIL**  
3 NOT TO SCALE

**LARGE CRACKS (2"+)**

PREPARATION:

1. TREAT AS A POTHOLE REPAIR.
2. USING A SAW, CUT AWAY DAMAGED PAVEMENT TO PROVIDE VERTICAL FACES.
3. CLEAN WITH COMPRESSED AIR.
4. INSPECT FACES TO ENSURE THEY ARE DRY AND CLEAN.

FILLING:

5. TACK COAT ADJOINING FACES.
6. FILL WITH EITHER A SAND ASPHALT OR A FINE-GRADED ASPHALT MIX AND COMPACT USING PROCEDURES AND EQUIPMENT ACCEPTABLE FOR POTHOLE REPAIR.

FILE NAME: P:\E\1650-TUL\DW\2011\4800\_NAS\_CCA\_Repair\20\_DESN\41\_CAD\C\134800-08b-C-504.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:36am USER: palmraj

ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			

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

DELTA AIRPORT CONSULTANTS, INC.  
8711 Faber Court, Suite 100  
Richmond, Virginia 23238  
phone: (804) 275-8300 • fax: (804) 275-8371  
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Delta Project No. 14072\_AE-INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES HWM | DRW JGP | CHK SMS

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  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'Z'  
CRACK REPAIR DETAILS

SCALE: AS NOTED

PROJECT NO.:

CONSTR. CONTR. NO.:

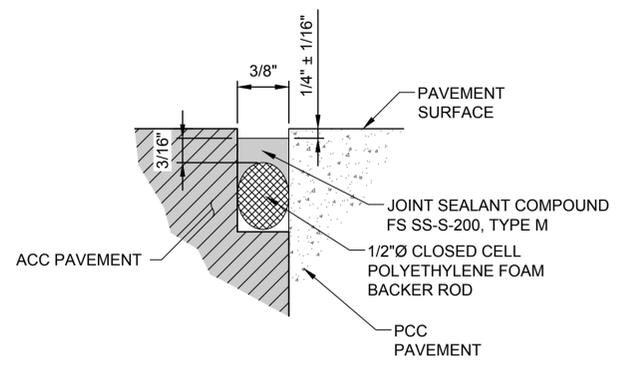
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SHEET 24 OF 41

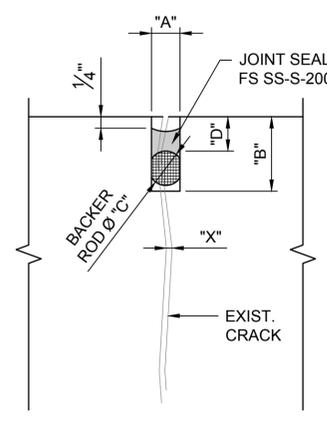
**C-504**

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\E\1650-TUL\DWG\2015144800\_NAS\_CCA\_Repair\20\_DESN\41\_CAD\C\144800-08b-C-505.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:39am USER: pdlmmaj



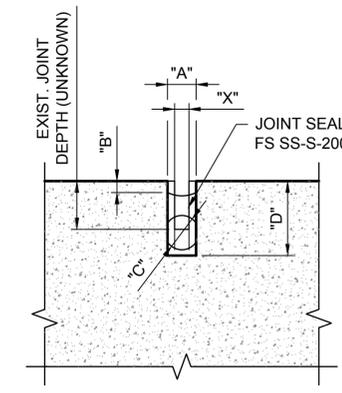
**3 JOINT SEALANT - PCC TO ACC JOINT**  
NOT TO SCALE



**4 TYPICAL DETAIL OF RANDOM CRACK REPAIR**  
NOT TO SCALE

NOTE:  
1. MIN. JOINT WIDTH, "A", SHALL BE CRACK WIDTH "X" + 3/8"

SEAL JOINT REQUIREMENTS TABLE			
JOINT WIDTH, "A" (INCHES)	JOINT DEPTH, "B" (INCHES)	BACKER ROD DIA., "C" (INCHES)	BACKER ROD PLACEMENT "D" (INCHES)
1/2	1 3/8	5/8	3/4
5/8	1 5/8	3/4	7/8
3/4	2	1	7/8
7/8	2	1	1
1	2 1/4	1 1/4	1
>1	2 1/4+	1 1/4+	1+



**5 JOINT RESEALING**  
NOT TO SCALE

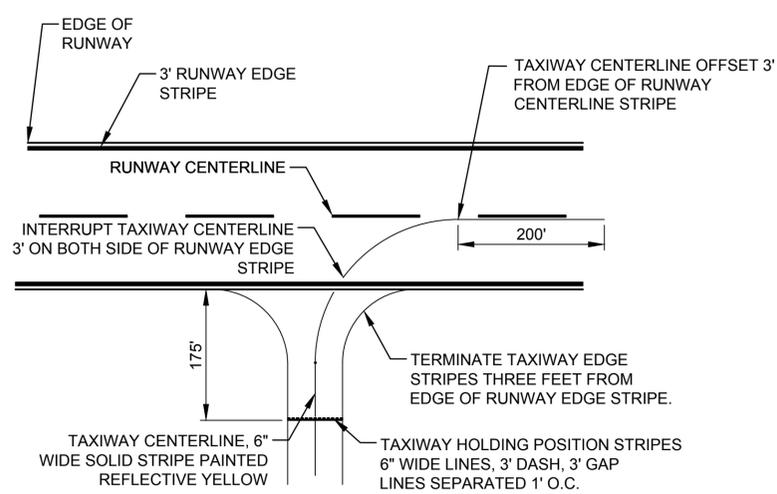
REFACED JOINT DIMENSIONS (INCHES)				
REFACED JOINT WIDTH, "A"	3/8	1/2	3/4	1
RECESS BELOW SURFACE, "B"	1/4	1/4	1/4	1/2
THICKNESS OF SEALANT	1/4	1/4	3/8	1/2
MOV	1/2	5/8	7/8	1 1/4
TOTAL DEPTH OF JOINT, "D"	1	1 1/8	1 1/2	2 1/4

- NOTE:  
1. SMOOTH DOWEL AND DEFORMED BAR SIZE AND SPACING FOR EACH JOINT TYPE BASED ON UFC 3-260-02, TABLE 12-8, DATED JUNE 30, 2001.  
2. DOWELS AND TIE BARS PER UFGS 32 13 11.

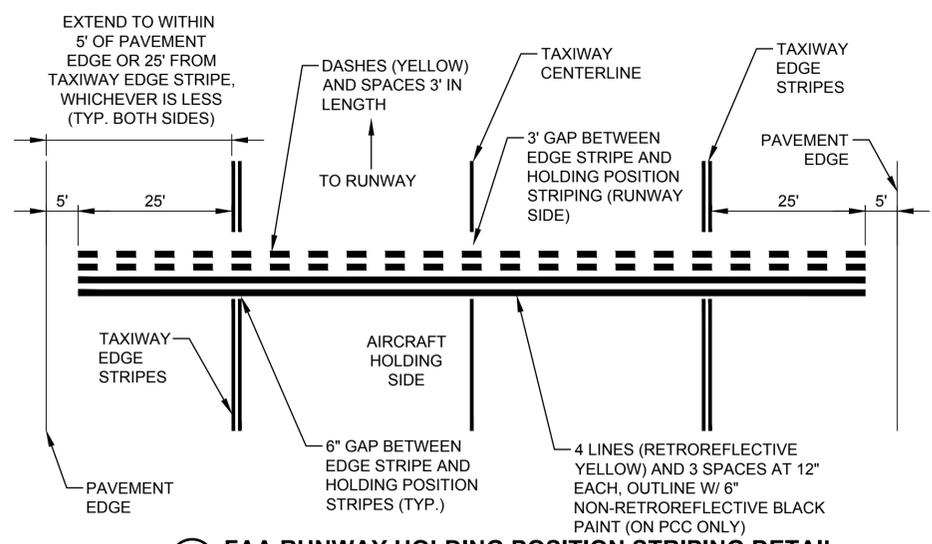
ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES HWM   DRW JGP   CHK SMS PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z' CONCRETE PAVEMENT REPAIR DETAILS			
SCALE: AS NOTED PROJECT NO.: CONSTR. CONTR. NO.:			
NAVFAC DRAWING NO. 15095461 SHEET 25 OF 41			
<b>C-505</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>			



FILE NAME: P:\E\1650-TUL\DW\2015144800\_NAS\_CCA\_Repair\20\_DESIGN\41\_CAD\C\134800-08b-C-507.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:39am USER: pdlmmaj



**1 TAXIWAY STRIPING**  
NOT TO SCALE



**2 FAA RUNWAY HOLDING POSITION STRIPING DETAIL**  
NOT TO SCALE

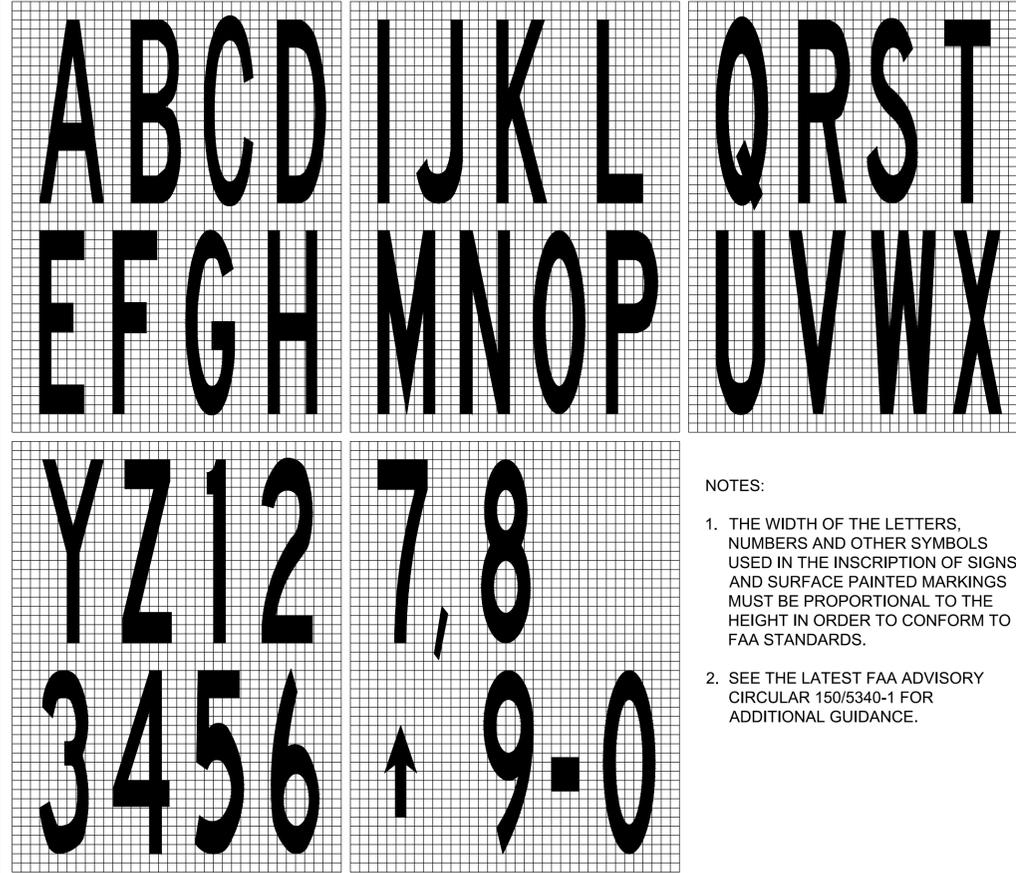
**TAXIWAY STRIPING NOTES:**

1. TAXIWAY EDGE STRIPE SHALL CONSIST OF TWO 6 INCH WIDE STRIPES PAINTED RETROREFLECTIVE YELLOW. THE STRIPES SHALL BE SPACED SIX INCHES APART AND LOCATED ON THE EDGE OF THE TAXIWAY OR TAXILANE PAVEMENT EDGE.
2. TAXIWAY CENTERLINES SHALL BE OUTLINED IN BLACK PAINT PER DETAIL 1/C508 IF PLACED ON LIGHT COLORED CONCRETE.

ISSUED FOR BID	0	DATE	8 JUN 15
			
			
			
			
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES HWM   DRW JGP   CHK SMS PM / DM BRANCH MANAGER CHIEF ENG / ARCH FIRE PROTECTION			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING SOUTHEAST NAVAL AIR STATION JACKSONVILLE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z' STRIPING DETAILS SHEET 1 OF 3			
SCALE: AS NOTED PROJECT NO.: CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15095463 SHEET 27 OF 41 <b>C-507</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>			

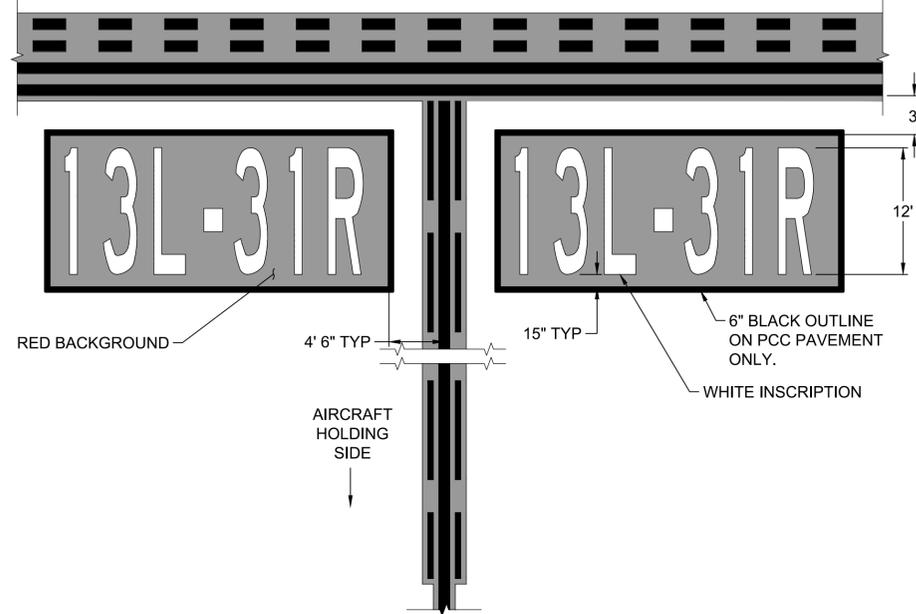


FILE NAME: P:\ED\1650-TUL\DW\2015114800\_NAS\_CCA\_Repair\20\_DESN\41\_CAD\C134800-08b-C-509.dwg LAYOUT NAME: L1 PLOTTED: Tuesday, June 09, 2015 - 10:39am USER: pallmarj



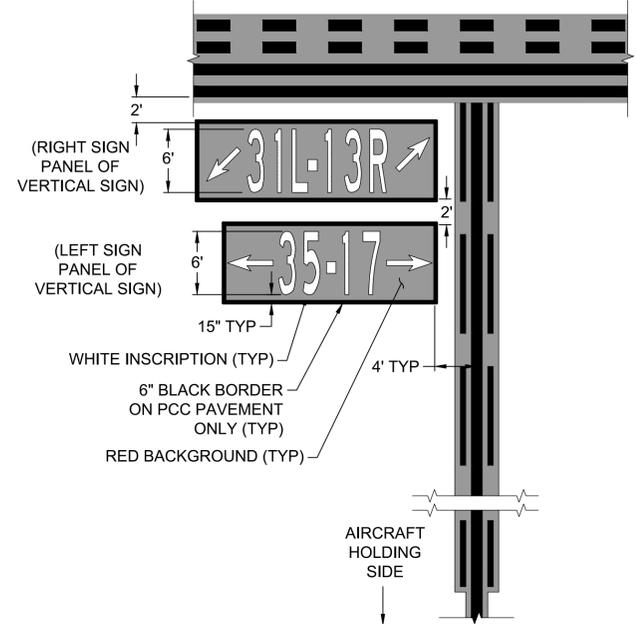
**1 SURFACE PAINTED MARKINGS DETAIL**  
SCALE: NTS

- NOTES:
1. THE WIDTH OF THE LETTERS, NUMBERS AND OTHER SYMBOLS USED IN THE INSCRIPTION OF SIGNS AND SURFACE PAINTED MARKINGS MUST BE PROPORTIONAL TO THE HEIGHT IN ORDER TO CONFORM TO FAA STANDARDS.
  2. SEE THE LATEST FAA ADVISORY CIRCULAR 150/5340-1 FOR ADDITIONAL GUIDANCE.



**2 SURFACE PAINTED HOLDING POSITION SIGNS**  
SCALE: NTS

- NOTES:
1. THIS DETAIL APPLIES ONLY TO SITUATIONS WHERE THE TAXIWAY CENTERLINE AND RUNWAY HOLDING POSITION STRIPINGS ARE PERPENDICULAR.
  2. SEE "SURFACE PAINTED MARKINGS DETAIL" FOR INSCRIPTION PROPORTIONAL SIZING.
  3. THE SURFACE PAINTED HOLDING POSITION SIGN SHALL BE AT LEAST 2 FEET FROM THE TAXIWAY EDGE STRIPING OR TAXIWAY EDGE IF NOT MARKED.
  4. STENCIL BRACES MUST BE FILLED IN. ALL INDIVIDUAL CHARACTERS MUST BE PAINTED CONTIGUOUS.



**3 SURFACE PAINTED HOLDING POSITION SIGNS - STACKED**  
SCALE: NTS

- NOTES:
1. THIS DETAIL APPLIES ONLY TO SITUATIONS WHERE THE TAXIWAY CENTERLINE AND RUNWAY HOLDING POSITION STRIPINGS ARE PERPENDICULAR.
  2. SEE "SURFACE PAINTED MARKINGS DETAIL" FOR INSCRIPTION PROPORTIONAL SIZING.
  3. THE SURFACE PAINTED HOLDING POSITION SIGN SHALL BE AT LEAST 2 FEET FROM THE TAXIWAY EDGE STRIPING OR TAXIWAY EDGE IF NOT MARKED.
  4. STENCIL BRACES MUST BE FILLED IN. ALL INDIVIDUAL CHARACTERS MUST BE PAINTED CONTIGUOUS.

ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			



APPROVED FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: HWM | DRW: JGP | CHK: SMS

PM / DM

BRANCH MANAGER

CHIEF ENG / ARCH

FIRE PROTECTION

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

STRIPING DETAILS SHEET 3 OF 3

SCALE: AS NOTED

PROJECT NO.:

CONSTR. CONTR. NO.:

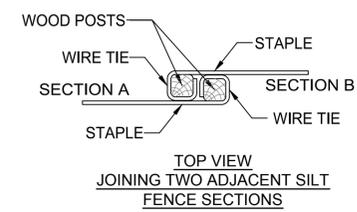
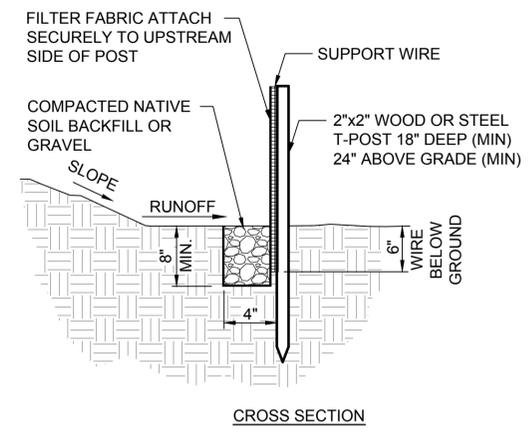
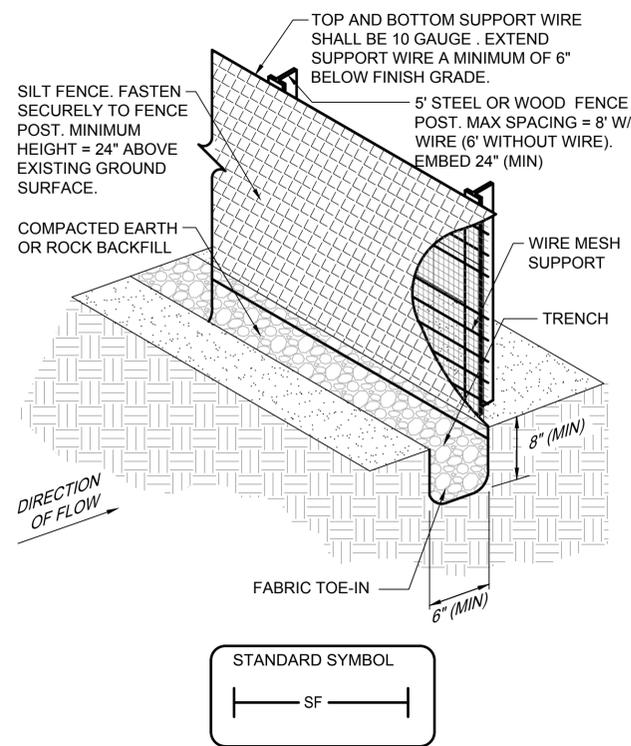
NAVFAC DRAWING NO. 15095465

SHEET 29 OF 41

**C-509**

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: P:\ED\1650-TUL\DWG\2015144800\_NAS\_CCA\_Repair\20\_DESIGN\41\_CAD\C\134800-08b-C-701.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:39am USER: palmmerj



**SEDIMENT FENCE (SILT FENCE) INSTALLATION DETAIL**

1 NOT TO SCALE

**BEST MANAGEMENT PRACTICES (BMP'S)**

POLLUTION THROUGH STORM RUNOFF IS INTENSIFIED AT CONSTRUCTION SITES DUE TO THE REMOVAL OF THE NATURAL GROUND COVER OF THE SITE AS WELL AS THE INTRODUCTION OF HAZARDOUS CHEMICALS AND WASTES TO THE AREA. MEASURES ARE REQUIRED BOTH DURING CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION TO STABILIZE THE SITE. STABILIZATION OF THE SITE DURING CONSTRUCTION ACTIVITIES CONSISTS OF THE INSTALLATION OF TEMPORARY OR PERMANENT MEASURES TO PREVENT EROSION OR TO INTERCEPT SEDIMENT PRIOR TO IT LEAVING THE SITE. THIS CAN BE ACCOMPLISHED THROUGH THE USE OF GROUND COVER MULCHING, PAVING, SILT FENCES, AND SEDIMENT BASINS ALONG WITH CONSTRUCTION METHODS TO REDUCE THE DISTURBED AREAS OF CONSTRUCTION.

**CONSTRUCTION SPECIFICATIONS**

- FENCE POSTS SHALL BE A MINIMUM OF 5'-0" LONG DRIVEN 24" MINIMUM INTO THE GROUND. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND PER LINEAR FOOT.
- GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES AT TOP AND MID-SECTION AND SHALL MEET THE DEFINED FILTER FABRIC SPECIFICATIONS.
- WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND WIRE TIED TO PREVENT SEDIMENT BYPASS.
- SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

**MANNER OF CONSTRUCTION**

- PLACE THE BOTTOM 1FT OF FABRIC IN 8-INCH DEEP TRENCH LAPPING TOWARD THE UPSLOPE SIDE.

**MANNER OF CONSTRUCTION (CONT.)**

- BACKFILL WITH COMPACTED EARTH OR GRAVEL AS SHOWN. TO REDUCE MAINTENANCE, EXCAVATE A SHALLOW SEDIMENT STORAGE AREA ON UP SLOPE SIDE OF FENCE WHERE SEDIMENTATION IS EXPECTED.
- PROVIDE GOOD ACCESS TO DEPOSITION AREAS FOR CLEAN-OUT AND MAINTENANCE.
- DO NOT INSTALL SEDIMENT FENCE ACROSS INTERMITTENT OR PERMANENT STREAMS, CHANNELS, OR ANY LOCATION WHERE CONCENTRATED FLOW IS ANTICIPATED.

**INSPECTIONS**

INSPECTIONS SHALL BE PERFORMED EVERY SEVEN (7) DAYS OR AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER

MAJOR ITEMS TO BE OBSERVED DURING INSPECTIONS INCLUDE:

- LOCATION OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS
- LOCATION OF BEST MANAGEMENT PRACTICES (BMP'S) THAT ARE IN NEED OF MAINTENANCE
- LOCATION OF BMP'S WHICH ARE NOT PERFORMING, FAILED TO OPERATE, OR WERE INADEQUATE
- LOCATIONS WHERE ADDITIONAL BMP'S ARE NEEDED.

**FILTER FABRIC SPECIFICATIONS**

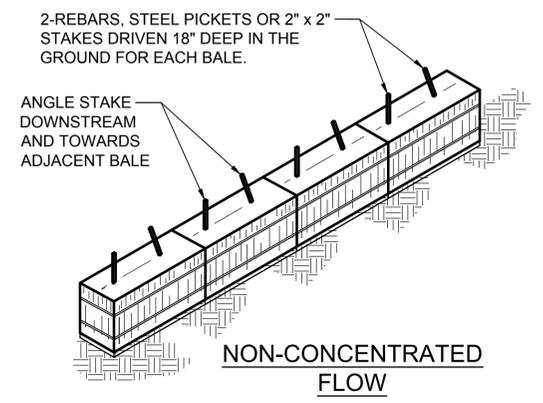
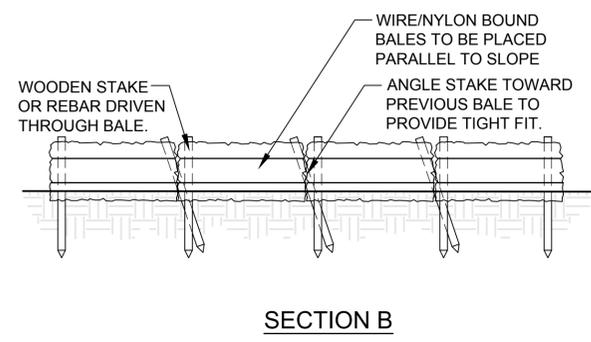
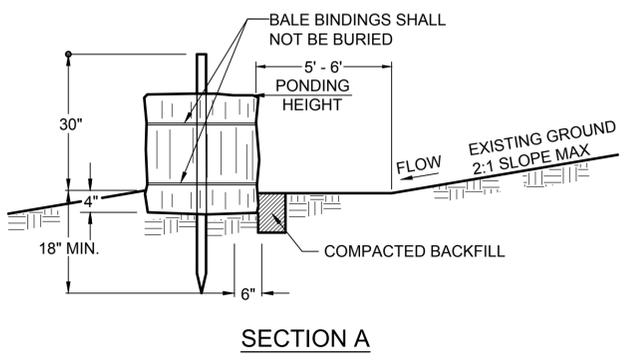
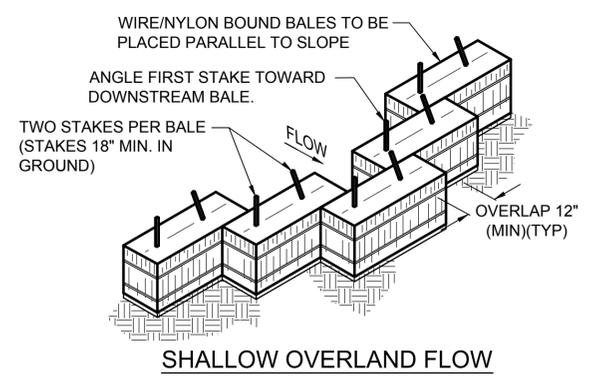
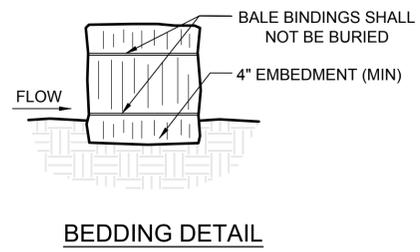
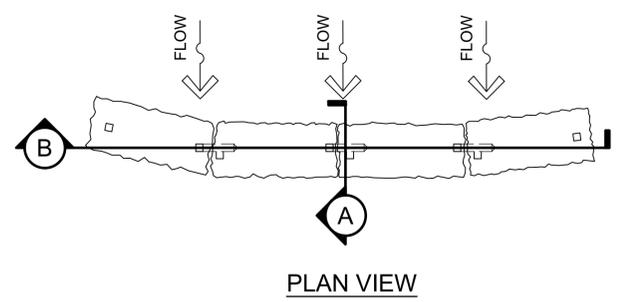
SILT FENCE SHALL BE CONSTRUCTED OF A WOVEN, POLYPROPYLENE, POLYESTER OR POLYIMIDE MATERIAL THAT SHALL BE RESISTANT TO ULTRA-VIOLET DEGRADATION AND ROT. THE EDGES OF THE WOVEN FABRIC SHALL BE SEALED OR SELVAGED TO PREVENT RAVELING. THE FABRIC SHALL EXHIBIT THE FOLLOWING PHYSICAL PROPERTIES WHEN SAMPLED AND TESTED USING THE SPECIFIED METHODS.

PROPERTY	TEST METHODS	VALUES
GRAB TENSILE	ASTM D-4632	100 LB. (MIN.)
ELONGATION @ YIELD	ASTM D-4632	10-40% (MAX.)
TRAPEZOID TEAR	ASTM D-4533	50 LB. (MIN.)
UV RESISTANCE	ASTM D-4355	80% (MIN.)
APPARENT OPENING SIZE	ASTM D-4751	20-50 US SIEVE
PERMITIVITY 1/SEC	ASTM D-4491	0.1 (MIN.)

PREFABRICATED FENCE SYSTEMS MAY BE USED PROVIDED THEY MEET ALL THE MATERIAL REQUIREMENTS.

EROSION CONTROL MEASURES SHALL REMAIN UNTIL A STAND OF VEGETATIVE GROUND COVER OF 70% OR GREATER COVERAGE IS ESTABLISHED.

DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	
<p>APPROVED</p> <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE</p> <p>DES: HWM   DRW: JGP   CHK: SMS</p> <p>PM / DM</p> <p>BRANCH MANAGER</p> <p>CHIEF ENG / ARCH</p> <p>FIRE PROTECTION</p>	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CODE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z'	EROSION CONTROL DETAILS SHEET 1 OF 2
SCALE:	AS NOTED
PROJECT NO.:	
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095466
SHEET:	30 OF 41
<b>C-701</b>	
DRAWFORM REVISION: 5 APRIL 2012	

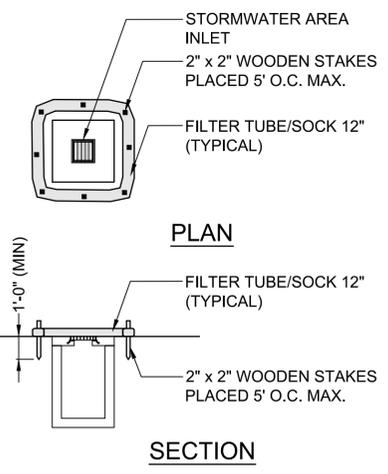


**STRAW BALE DIKE INSTALLATION NOTES:**

- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
- INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED BY THE CONTRACTOR WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- STRAW BALE DIKE MUST BE INSTALLED AT EXISTING LEVEL GRADE. BOTH ENDS OF EACH BALE DIKE SECTION MUST BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN DIKE ALIGNMENT.
- SEDIMENT MUST BE REMOVED WHERE ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE BALE.
- ANY SECTION OF THE BALE DIKE WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED.

**STRAW BALE BARRIER INSTALLATION DETAIL**

1 NOT TO SCALE

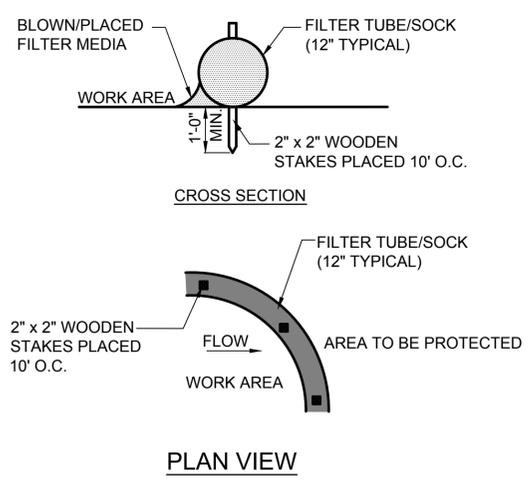


**NOTES:**

- ALL MATERIAL TO MEET FILTER TUBE/SOCK MANUFACTURERS SPECIFICATIONS.
- CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
- CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
- MAY TAKE THE PLACE OF STANDARD INLET PROTECTION AT THE DISCRETION OF THE CONTRACTOR WITH THE APPROVAL FROM THE ENGINEER.

**FILTER TUBE/SOCK RUNOFF INLET PROTECTION DETAIL**

2 NOT TO SCALE

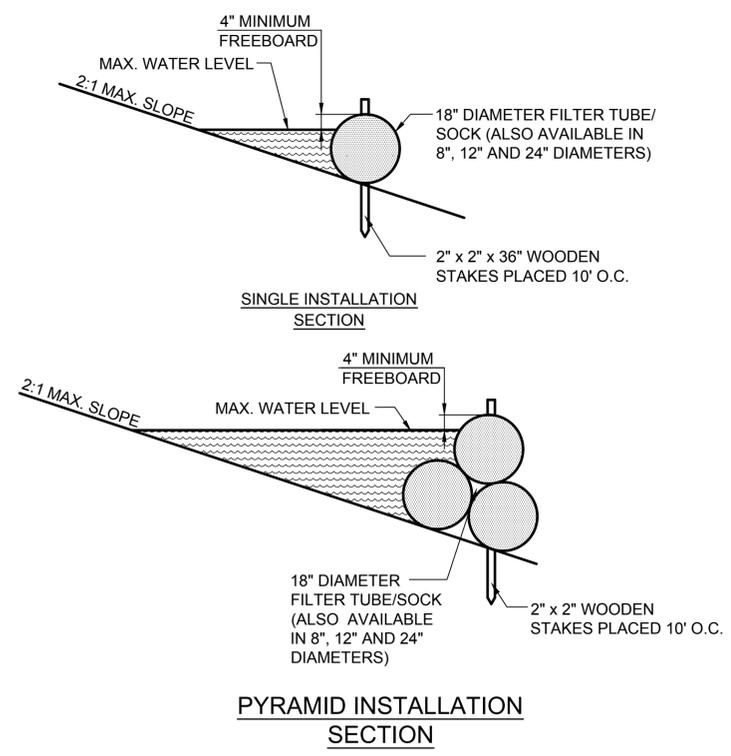


**NOTES:**

- ALL MATERIAL TO MEET FILTER TUBE/SOCK MANUFACTURERS SPECIFICATIONS.
- COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
- MAY TAKE THE PLACE OF SILT FENCE AT THE DISCRETION OF THE CONTRACTOR WITH THE APPROVAL FROM THE ENGINEER.
- WHERE FILTER TUBES/SOCKS ARE LOCATED ON PAVED AREAS, SECURE FILTER TUBE/SOCK PLACEMENT WITH SAND BAGS.

**FILTER TUBE/SOCK SEDIMENT CONTROL INSTALLATION DETAIL**

3 NOT TO SCALE



**FILTER TUBE/SOCK CHECK DAM SECTION DETAIL**

4 NOT TO SCALE

ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES: HWM   DRW: JGP   CHK: SMS 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 NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z' EROSION CONTROL DETAILS SHEET 2 OF 2			
SCALE: AS NOTED PROJECT NO.: 15095467 CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: SHEET 31 OF 41 <b>C-702</b> <small>DRAWFORM REVISION: 5 APRIL 2012</small>			

FILE NAME: P:\E\1650-TUL\DWG\2015149800\_NAS\_CCA\_Repair\20\_DESIGN\41\_CAD\C\134800-08b-C-702.dwg LAYOUT NAME: Layout PLOTTED: Tuesday, June 09, 2015 - 10:40am USER: pdlmmj

FILE NAME: N:\14072\04 CAD\08b-Taxiway 2\1302445-F-ES101.dwg LAYOUT NAME: ES101 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mm

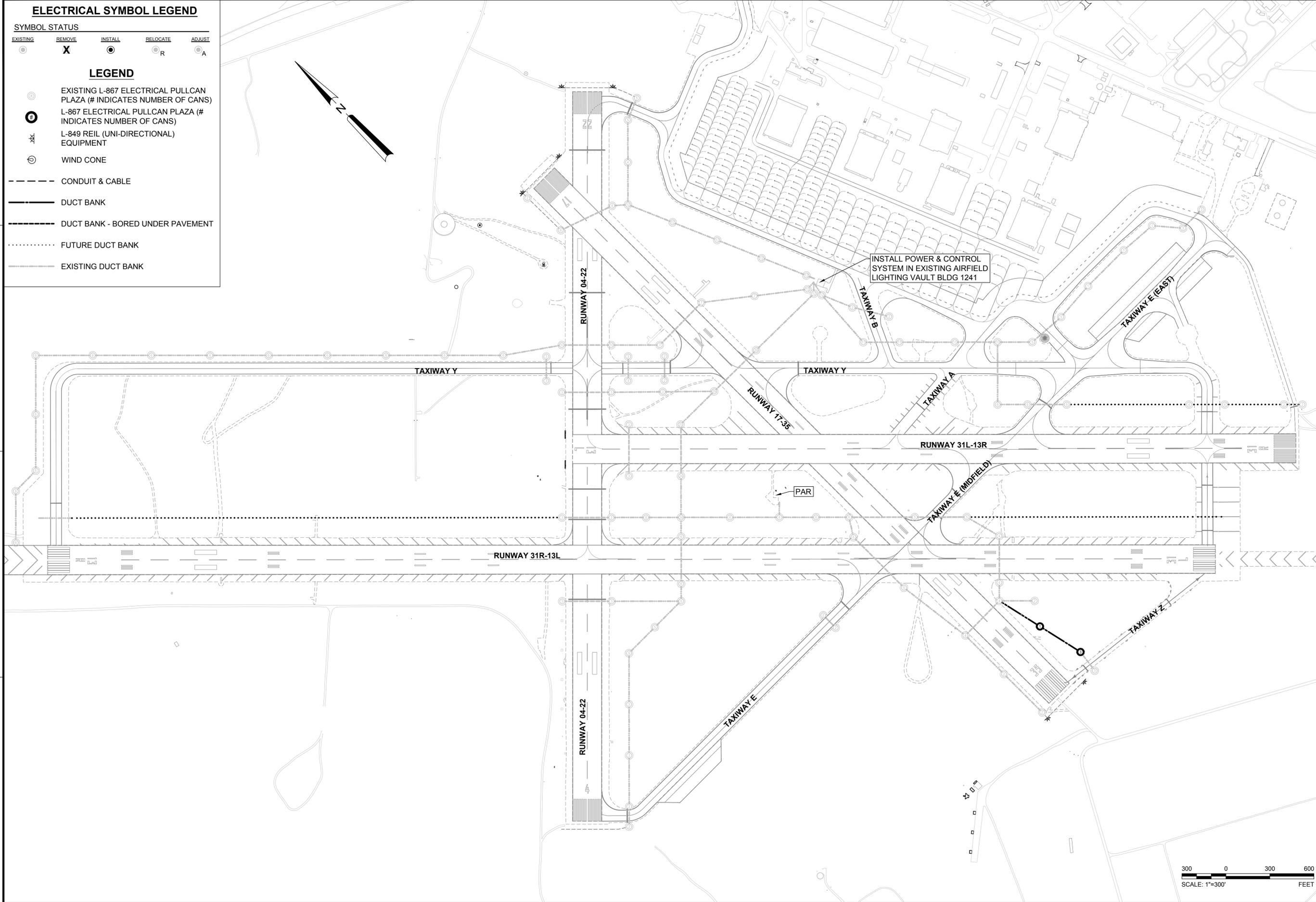
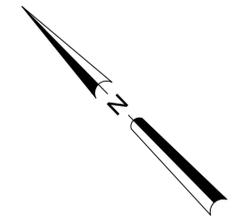
### ELECTRICAL SYMBOL LEGEND

**SYMBOL STATUS**

EXISTING	REMOVE	INSTALL	RELOCATE	ADJUST
○	X	●	○ <sub>R</sub>	○ <sub>A</sub>

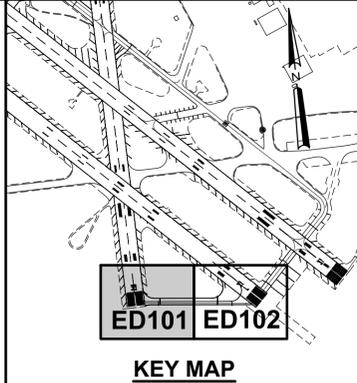
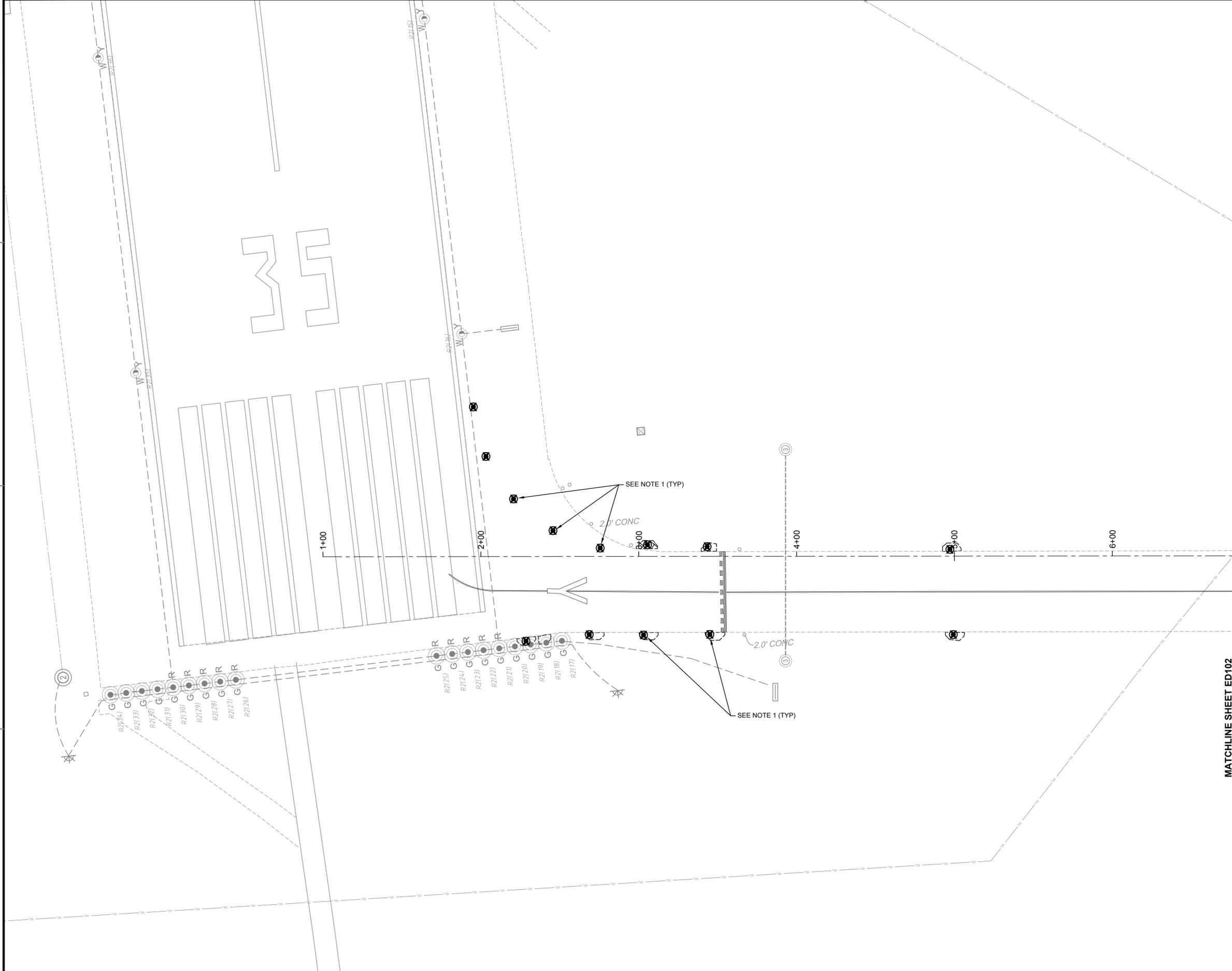
**LEGEND**

- EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊗ L-849 REIL (UNI-DIRECTIONAL) EQUIPMENT
- ⊙ WIND CONE
- - - CONDUIT & CABLE
- DUCT BANK
- - - DUCT BANK - BORED UNDER PAVEMENT
- ⋯ FUTURE DUCT BANK
- EXISTING DUCT BANK



APPROVED	DATE	APPR.
FOR COMMANDER NAVFAC	8 JUN 15	
ACTIVITY	ISSUED FOR BID	
SATISFACTORY TO DATE	DESCRIPTION	
DES EFC   DRW MRM   CHK JMM	0	
PROJECT MANAGER		
IPIT TECH BRANCH HEAD		
CHIEF ENGINEER (CORE)		
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES EFC   DRW MRM   CHK JMM PROJECT MANAGER IPIT TECH BRANCH HEAD CHIEF ENGINEER (CORE)		
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z' HOMERUN PLAN		
SCALE: 1" = 300' EPROJECT NO: CONSTR. CONTR. NO. NAVFAC DRAWING NO: 15095468 SHEET 32 OF 41 ES101 DRAWFORM REVISION: 5 APRIL 2012		

FILE NAME: N:\14072\04 CAD\08b-Taxiway 2\1302445-E-ED101.dwg LAYOUT NAME: ED101 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mm



**ELECTRICAL SYMBOL LEGEND**

SYMBOL STATUS			
EXISTING	REMOVE	INSTALL	REPLACE
SYMBOL	DESCRIPTION		
	L-858 AIRFIELD GUIDANCE SIGN		
	L-861T BASE MOUNTED MITL		
	L-862E BASE MOUNTED THRESHOLD LIGHT		
	L-867 ELECTRICAL PULLCAN (# INDICATES NUMBER OF CANS)		
	L-849 REIL (UNI-DIRECTIONAL)		
	CONDUIT & CABLE		
	DUCT BANK		
	DUCT BANK - BORED UNDER PAVEMENT		

**NOTES**

- REMOVE EXISTING WIRE, FIXTURE AND FOUNDATION. PLUG CONDUIT OPENINGS, ABANDON CONDUIT, AND BACKFILL PER DEMOLITION REPAIR IN-SHOULDER PAVEMENT & TURF AREA DETAIL ON SHEET E-502.

**MATCHLINE SHEET ED102**

SCALE: 1"=30'

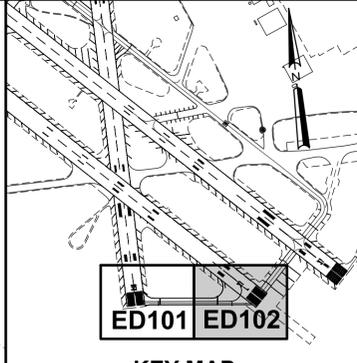
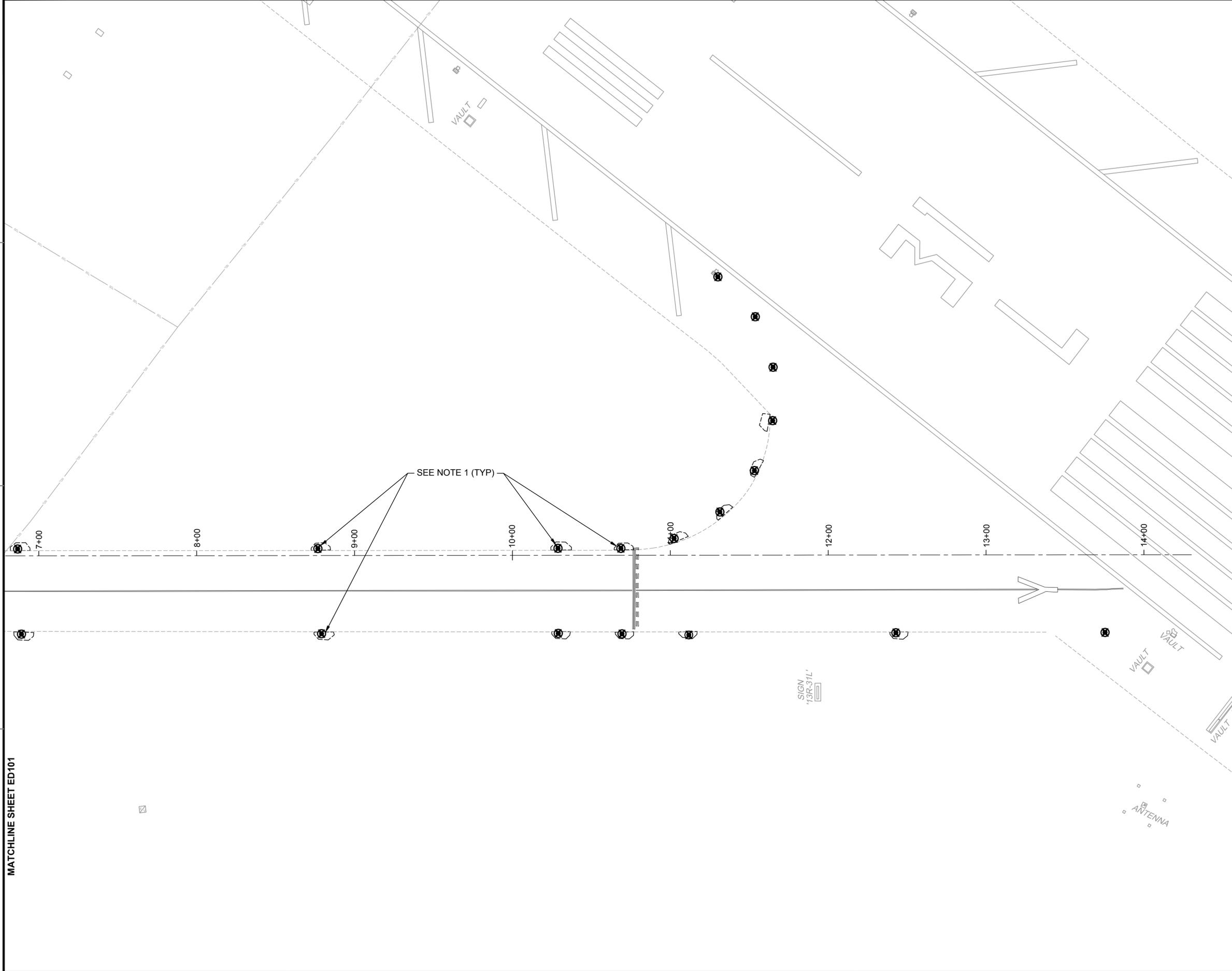
DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
SOUTHEAST  
NAVAL AIR STATION JACKSONVILLE  
CIBL CORE  
NAS CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'Z'  
ELECTRICAL DEMOLITION PLAN

ED101

ISSUED FOR BID	0	DATE	8 JUN 15
SYMBOL DESCRIPTION			
APPROVED			
FOR COMMANDER NAVFAC			
ACTIVITY			
SATISFACTORY TO DATE			
DES	EFC	DRW	MRM
CHK	JMM		
PROJECT MANAGER			
IPIT TECH. BRANCH HEAD			
CHIEF ENGINEER (CORE)			
SCALE:	1" = 30'		
PROJECT NO.:	15095469		
CONSTR. CONTR. NO.			
NAVIFAC DRAWING NO.	15095469		
SHEET	33	OF	41
ED101			
DRAWFORM REVISION: 5 APRIL 2012			

FILE NAME: N:\14072\14 CAD\08b-Taxiway 2\1302443-E-ED102.dwg LAYOUT NAME: ED102 ED102 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mm

MATCHLINE SHEET ED101



**ELECTRICAL SYMBOL LEGEND**

SYMBOL STATUS

EXISTING	REMOVE	INSTALL	REPLACE

SYMBOL	DESCRIPTION
	L-858 AIRFIELD GUIDANCE SIGN
	L-861T BASE MOUNTED MITL
	L-862E BASE MOUNTED THRESHOLD LIGHT
	L-867 ELECTRICAL PULLCAN (# INDICATES NUMBER OF CANS)
	L-849 REIL (UNI-DIRECTIONAL)
	CONDUIT & CABLE
	DUCT BANK
	DUCT BANK - BORED UNDER PAVEMENT

**NOTES**

1. REMOVE EXISTING WIRE, FIXTURE AND FOUNDATION. PLUG CONDUIT OPENINGS, ABANDON CONDUIT, AND BACKFILL PER DEMOLITION REPAIR IN-SHOULDER PAVEMENT & TURF AREA DETAIL ON SHEET E-502.



DATE	DESCRIPTION
8 JUN 15	ISSUED FOR BID



APPROVED FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES EFC   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  
 CHIEF CORE  
 NAS CORPUS CHRISTI  
 NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z'  
 ELECTRICAL DEMOLITION PLAN

SCALE: 1" = 30'

EPROJECT NO: 15095470

CONSTR. CONTR. NO.

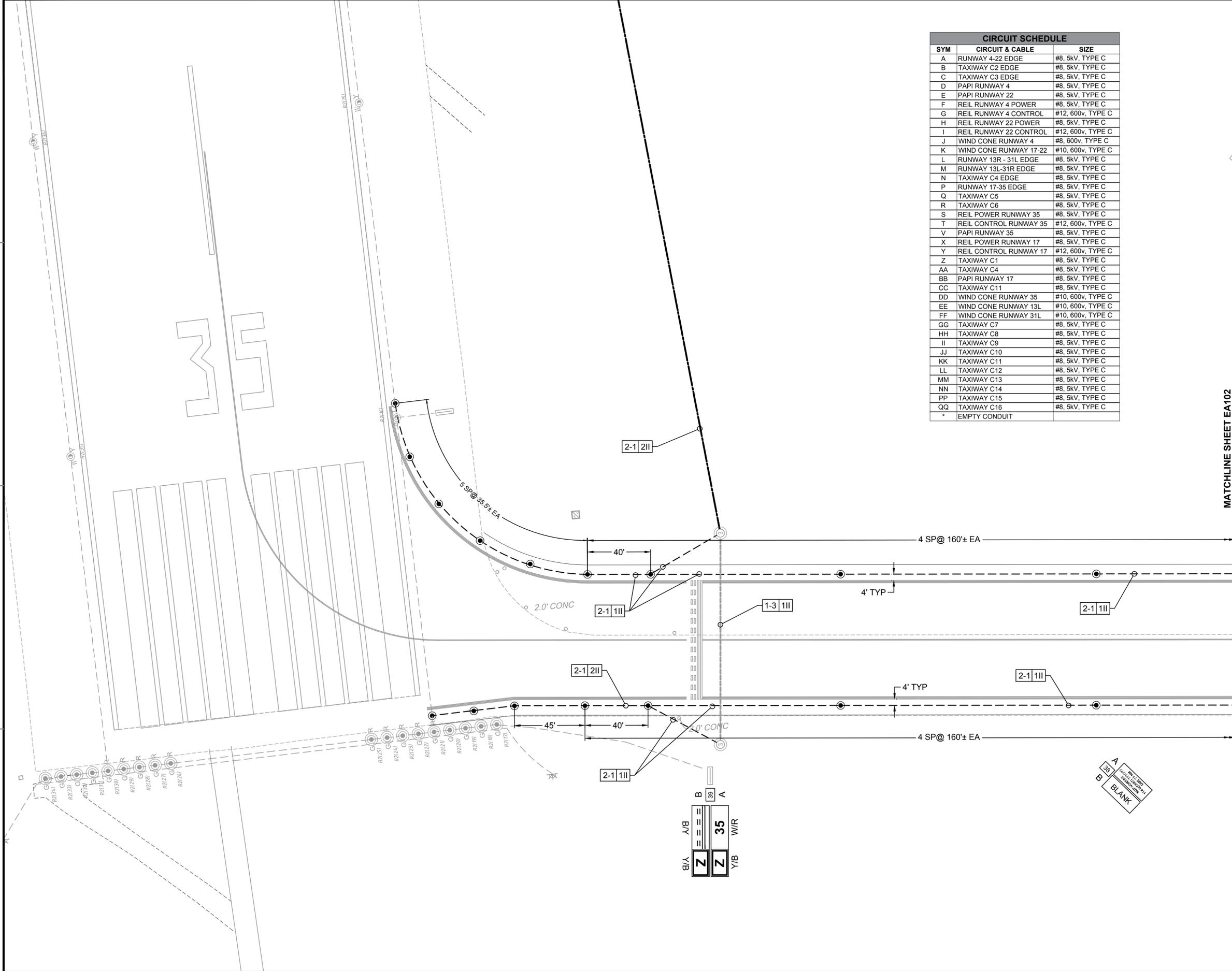
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SHEET 34 OF 41

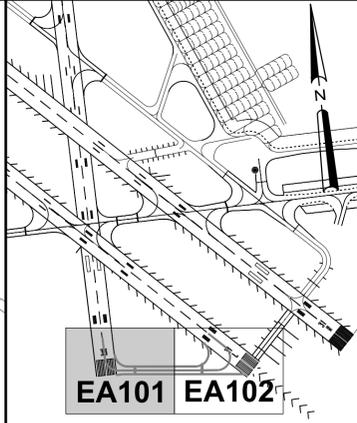
**ED102**

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD\08b-Taxiway Z\302445-E-EA101.dwg LAYOUT NAME: EA101 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mm



CIRCUIT SCHEDULE		
SYM	CIRCUIT & CABLE	SIZE
A	RUNWAY 4-22 EDGE	#8, 5kV, TYPE C
B	TAXIWAY C2 EDGE	#8, 5kV, TYPE C
C	TAXIWAY C3 EDGE	#8, 5kV, TYPE C
D	PAPI RUNWAY 4	#8, 5kV, TYPE C
E	PAPI RUNWAY 22	#8, 5kV, TYPE C
F	REIL RUNWAY 4 POWER	#8, 5kV, TYPE C
G	REIL RUNWAY 4 CONTROL	#12, 600v, TYPE C
H	REIL RUNWAY 22 POWER	#8, 5kV, TYPE C
I	REIL RUNWAY 22 CONTROL	#12, 600v, TYPE C
J	WIND CONE RUNWAY 4	#8, 600v, TYPE C
K	WIND CONE RUNWAY 17-22	#10, 600v, TYPE C
L	RUNWAY 13R - 31L EDGE	#8, 5kV, TYPE C
M	RUNWAY 13L-31R EDGE	#8, 5kV, TYPE C
N	TAXIWAY C4 EDGE	#8, 5kV, TYPE C
P	RUNWAY 17-35 EDGE	#8, 5kV, TYPE C
Q	TAXIWAY C5	#8, 5kV, TYPE C
R	TAXIWAY C6	#8, 5kV, TYPE C
S	REIL POWER RUNWAY 35	#8, 5kV, TYPE C
T	REIL CONTROL RUNWAY 35	#12, 600v, TYPE C
V	PAPI RUNWAY 35	#8, 5kV, TYPE C
X	REIL POWER RUNWAY 17	#8, 5kV, TYPE C
Y	REIL CONTROL RUNWAY 17	#12, 600v, TYPE C
Z	TAXIWAY C1	#8, 5kV, TYPE C
AA	TAXIWAY C4	#8, 5kV, TYPE C
BB	PAPI RUNWAY 17	#8, 5kV, TYPE C
CC	TAXIWAY C11	#8, 5kV, TYPE C
DD	WIND CONE RUNWAY 35	#10, 600v, TYPE C
EE	WIND CONE RUNWAY 13L	#10, 600v, TYPE C
FF	WIND CONE RUNWAY 31L	#10, 600v, TYPE C
GG	TAXIWAY C7	#8, 5kV, TYPE C
HH	TAXIWAY C8	#8, 5kV, TYPE C
II	TAXIWAY C9	#8, 5kV, TYPE C
JJ	TAXIWAY C10	#8, 5kV, TYPE C
KK	TAXIWAY C11	#8, 5kV, TYPE C
LL	TAXIWAY C12	#8, 5kV, TYPE C
MM	TAXIWAY C13	#8, 5kV, TYPE C
NN	TAXIWAY C14	#8, 5kV, TYPE C
PP	TAXIWAY C15	#8, 5kV, TYPE C
QQ	TAXIWAY C16	#8, 5kV, TYPE C
*	EMPTY CONDUIT	



**KEY MAP**  
**ELECTRICAL SYMBOL LEGEND**

- SYMBOL STATUS**
- EXISTING REMOVE INSTALL RELOCATE ADJUST
- SYMBOL DESCRIPTION**
- L-858 AIRFIELD GUIDANCE SIGN
  - L-861T BASE MOUNTED MITL
  - R● L-862E BASE MOUNTED THRESHOLD LIGHT
  - ⊕ L-867 ELECTRICAL PULLCAN (# INDICATES NUMBER OF CANS)
  - ⊕ FUTURE L-867 ELECTRICAL PULLCAN
  - ⊕ L-849 REIL (UNI-DIRECTIONAL)

- CONDUIT & CABLE**
- DUCT BANK - BURIED UNDER PAVEMENT (CONCRETE ENCASED)
  - DUCT BANK - BORED UNDER PAVEMENT
  - FUTURE TRENCHED DUCT BANK
  - FUTURE DUCT BANK - BORED UNDER PAVEMENT

ISSUED FOR BID	0	SYMBOL DESCRIPTION	
DATE	8 JUN 15	DATE	



APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES EFC   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  
CORPUS CHRISTI, TEXAS  
CORPUS CHRISTI  
NAS CORPUS CHRISTI AIRFIELD REPAIRS  
TAXIWAY 'Z'  
ELECTRICAL LAYOUT

SCALE: 1" = 30'

PROJECT NO: 15095471

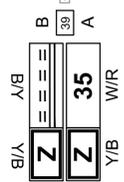
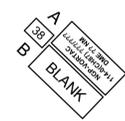
CONSTR. CONTR. NO:

NAVFAC DRAWING NO: 15095471

SHEET 35 OF 41

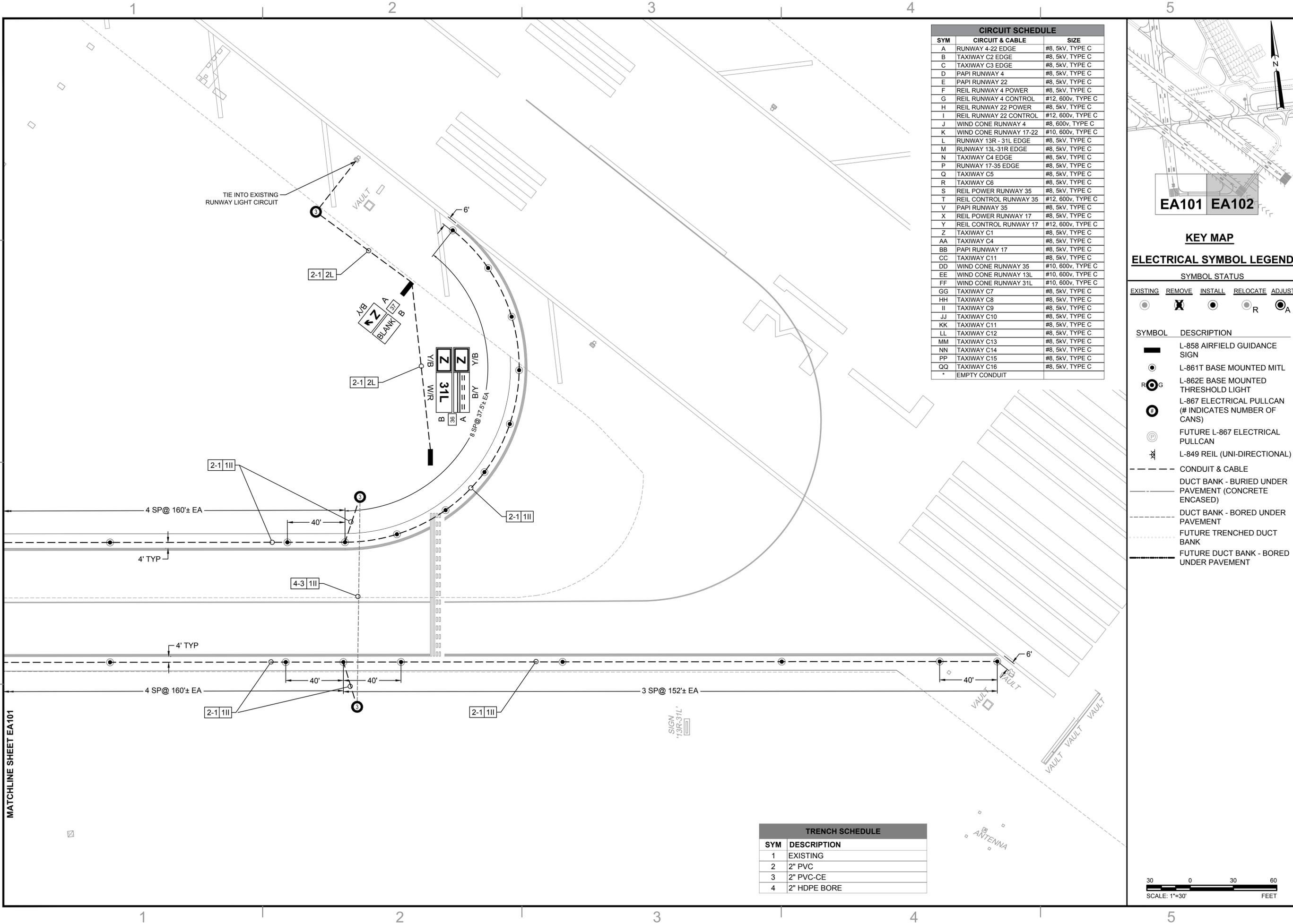
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DRAWFORM REVISION: 5 APRIL 2012

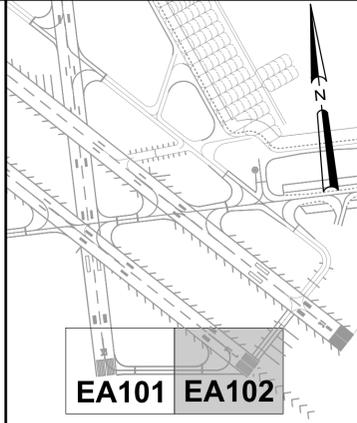


MATCHLINE SHEET EA102

FILE NAME: N:\14072\04 040\08b-taxway 2\1302443-E-EA102.dwg LAYOUT NAME: EA102 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mm



CIRCUIT SCHEDULE		
SYM	CIRCUIT & CABLE	SIZE
A	RUNWAY 4-22 EDGE	#8, 5KV, TYPE C
B	TAXIWAY C2 EDGE	#8, 5KV, TYPE C
C	TAXIWAY C3 EDGE	#8, 5KV, TYPE C
D	PAPI RUNWAY 4	#8, 5KV, TYPE C
E	PAPI RUNWAY 22	#8, 5KV, TYPE C
F	REIL RUNWAY 4 POWER	#8, 5KV, TYPE C
G	REIL RUNWAY 4 CONTROL	#12, 600V, TYPE C
H	REIL RUNWAY 22 POWER	#8, 5KV, TYPE C
I	REIL RUNWAY 22 CONTROL	#12, 600V, TYPE C
J	WIND CONE RUNWAY 4	#8, 600V, TYPE C
K	WIND CONE RUNWAY 17-22	#10, 600V, TYPE C
L	RUNWAY 13R - 31L EDGE	#8, 5KV, TYPE C
M	RUNWAY 13L-31R EDGE	#8, 5KV, TYPE C
N	TAXIWAY C4 EDGE	#8, 5KV, TYPE C
P	RUNWAY 17-35 EDGE	#8, 5KV, TYPE C
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T	REIL CONTROL RUNWAY 35	#12, 600V, TYPE C
V	PAPI RUNWAY 35	#8, 5KV, TYPE C
X	REIL POWER RUNWAY 17	#8, 5KV, TYPE C
Y	REIL CONTROL RUNWAY 17	#12, 600V, TYPE C
Z	TAXIWAY C1	#8, 5KV, TYPE C
AA	TAXIWAY C4	#8, 5KV, TYPE C
BB	PAPI RUNWAY 17	#8, 5KV, TYPE C
CC	TAXIWAY C11	#8, 5KV, TYPE C
DD	WIND CONE RUNWAY 35	#10, 600V, TYPE C
EE	WIND CONE RUNWAY 13L	#10, 600V, TYPE C
FF	WIND CONE RUNWAY 31L	#10, 600V, TYPE C
GG	TAXIWAY C7	#8, 5KV, TYPE C
HH	TAXIWAY C8	#8, 5KV, TYPE C
II	TAXIWAY C9	#8, 5KV, TYPE C
JJ	TAXIWAY C10	#8, 5KV, TYPE C
KK	TAXIWAY C11	#8, 5KV, TYPE C
LL	TAXIWAY C12	#8, 5KV, TYPE C
MM	TAXIWAY C13	#8, 5KV, TYPE C
NN	TAXIWAY C14	#8, 5KV, TYPE C
PP	TAXIWAY C15	#8, 5KV, TYPE C
QQ	TAXIWAY C16	#8, 5KV, TYPE C
*	EMPTY CONDUIT	



**KEY MAP**  
**ELECTRICAL SYMBOL LEGEND**

**SYMBOL STATUS**

EXISTING	REMOVE	INSTALL	RELOCATE	ADJUST
●	✕	●	R	A

SYMBOL	DESCRIPTION
—	L-858 AIRFIELD GUIDANCE SIGN
●	L-861T BASE MOUNTED MITL
R ● G	L-862E BASE MOUNTED THRESHOLD LIGHT
⊙	L-867 ELECTRICAL PULLCAN (# INDICATES NUMBER OF CANS)
⊕	FUTURE L-867 ELECTRICAL PULLCAN
⊗	L-849 REIL (UNI-DIRECTIONAL)
---	CONDUIT & CABLE
---	DUCT BANK - BURIED UNDER PAVEMENT (CONCRETE ENCASED)
---	DUCT BANK - BORED UNDER PAVEMENT
---	FUTURE TRENCHED DUCT BANK
---	FUTURE DUCT BANK - BORED UNDER PAVEMENT

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



APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES EFC   DRW MRM   CHK JMM
PROJECT MANAGER
IPY TECH BRANCH HEAD
CHIEF ENGINEER (CORE)

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 'Z' ELECTRICAL LAYOUT**

SCALE: 1" = 30'

EPROJECT NO:  
CONSTR. CONTR. NO.

NAVFAC DRAWING NO: 15095472  
SHEET 36 OF 41

**EA102**

DRAWFORM REVISION: 5 APRIL 2012

TRENCH SCHEDULE	
SYM	DESCRIPTION
1	EXISTING
2	2" PVC
3	2" PVC-CE
4	2" HDPE BORE



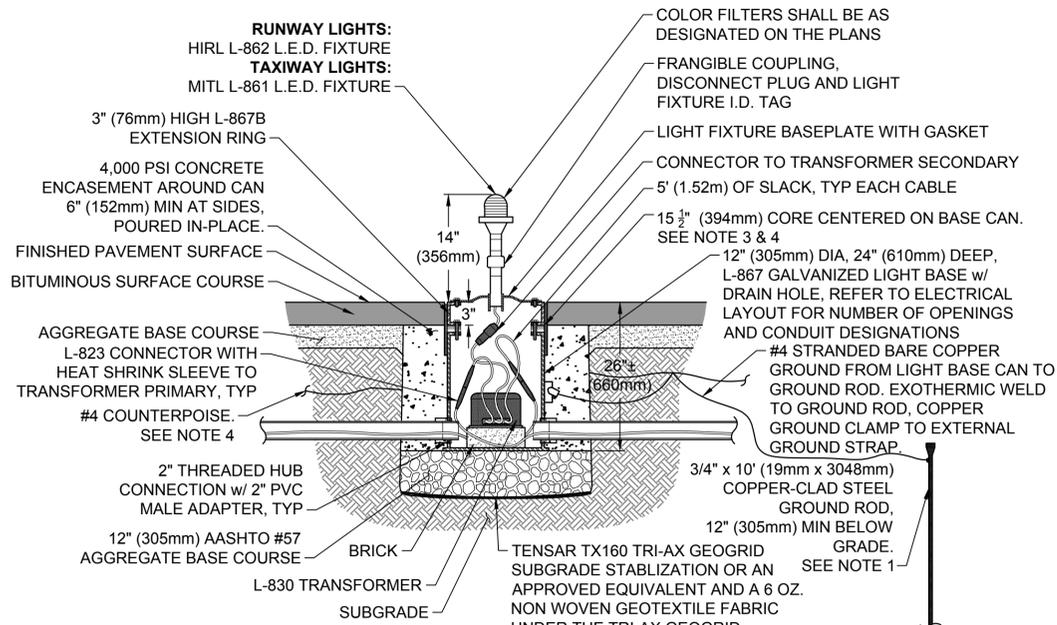
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2

3

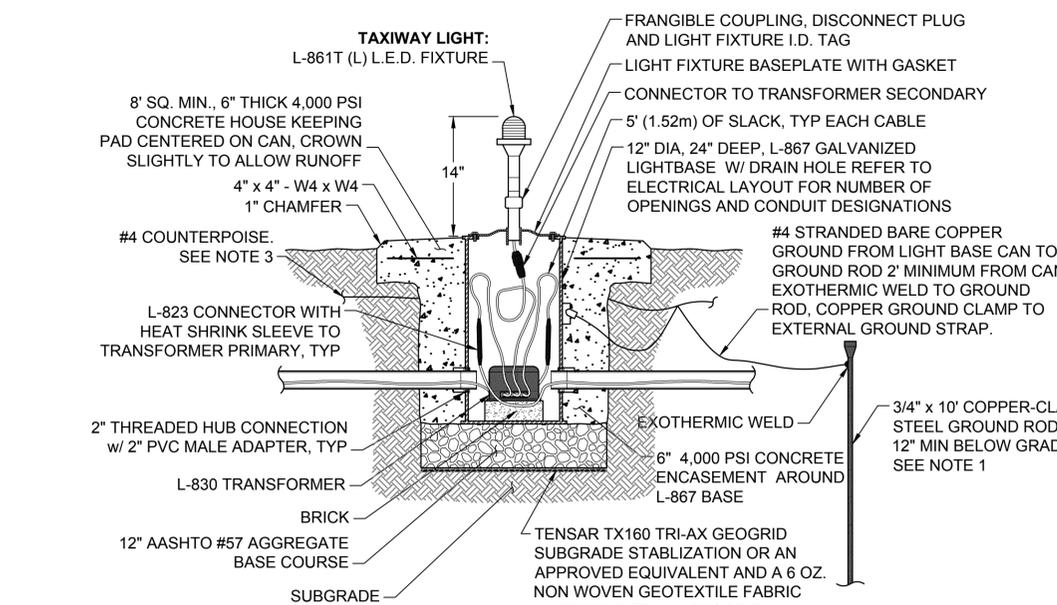
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5



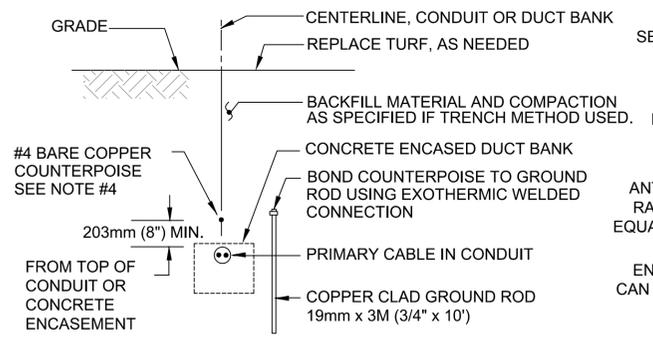
**1 L.E.D. RUNWAY & TAXIWAY EDGE LIGHT IN PAVED SHOULDER DETAIL**  
SCALE: NTS

- NOTE:
- INSTALL A 3/4" x 10" (19mm X 3048mm) COPPER-CLAD GROUND RODS IN THE TRENCH 3" (76mm) MIN FROM BASE CAN.
  - PROVIDE MUD PLATE, CORE PAVEMENT INSTALL EXTENSION RING AND SPACERS AS REQUIRED. THE EXTENSION RING SHALL BE FLUSH WITH THE HIGHEST EDGE OF THE BITUMINOUS CONCRETE FOR DRAINAGE.
  - CORE FULL DEPTH OF BITUMINOUS CONCRETE. FILL VOID BETWEEN PAVEMENT AND EXTENSION RING WITH AN APPROVED NON-SHRINK, NON-METALIC HYDRAULIC GROUT (4,000 PSI MIN.) THE GROUT SHALL BE FLUSH WITH THE TOP OF THE EXTENSION RING AND THE TOP OF THE PAVEMENT.
  - ROUTE COUNTERPOISE AROUND CONCRETE ENCASEMENT TOWARD FULL STRENGTH PAVEMENT

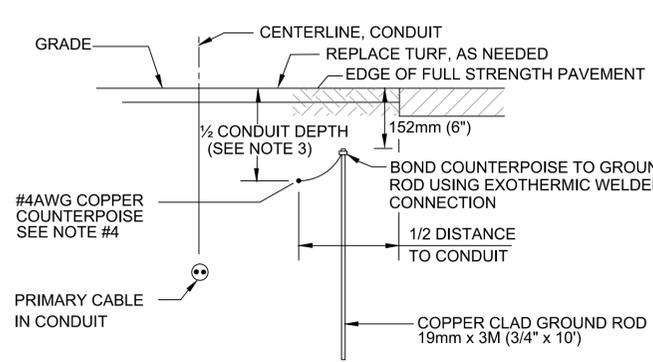


**2 L.E.D. TAXIWAY EDGE LIGHT DETAIL**  
SCALE: NTS

- NOTES:
- INSTALL A 3/4" x 10" (19mm X 3048mm) COPPER-CLAD GROUND ROD IN THE TRENCH 3" MIN FROM BASE CAN.
  - WHEN THE CONCRETE HOUSEKEEPING PAD ABUTS AN EXISTING PAVEMENT, SAW CUT A STRAIGHT AND NEAT VERTICAL FACE TO PROVIDE A CONCRETE FORMED EDGE WITH THE PAVEMENT.
  - ROUTE COUNTERPOISE AROUND CONCRETE ENCASEMENT TOWARD FULL STRENGTH PAVEMENT

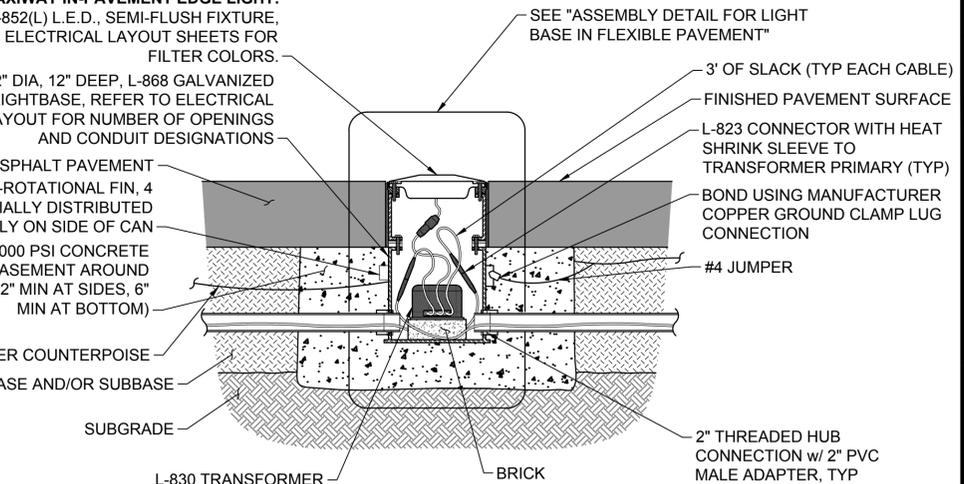


**3 COUNTERPOISE & GROUND ROD INSTALLATION DETAIL**  
SCALE: NTS



**4 L.E.D. TAXIWAY IN-PAVEMENT LIGHT DETAIL**  
SCALE: NTS

- NOTES:
- CONNECT COUNTERPOISE TO EACH LIGHT BASE AND MANHOLES/HANDHOLE GROUNDING COMPONENTS, UNLESS OTHERWISE SPECIFIED.
  - PROVIDE GROUND RODS SPACED MAX. 300M (1000FT).
  - PLACE COUNTERPOISE ON NEXT-TO-LAST LIFT OF COMPACTED BASE MATERIAL UNDER SHOULDER.
  - WHERE SOIL IS CONSIDERED HIGHLY CORROSIVE (<10,000 OHM-CM RESISTIVITY), THE SIZE OF THE COUNTERPOISE SHALL BE #1/0 AWG.
  - D.E.B. CONDUIT INSTALLATION SHALL BE 24" MIN BELOW GRADE TO THE TOP OF THE CONDUIT. CONCRETE ENCASED CONDUIT INSTALLATION SHALL BE 30" MIN BELOW GRADE TO THE TOP OF THE ENCASEMENT.



**5 ASSEMBLY DETAIL FOR LIGHT BASE IN FLEXIBLE PAVEMENT**  
SCALE: NTS

- NOTES:
- P-605 SEALANT SHALL BE TYPE 3 COMPATIBLE WITH ASPHALT.
  - SEALANT SHALL BE APPLIED SO THAT LIGHT FIXTURE HOUSING IS NOT SEALED TO FLANGE RING.
  - PERIMETER EDGE OF FIXTURE SHALL BE FLUSH WITH PAVEMENT SURFACE.

FILE NAME: N:\14072\04 CAD\08b-Taxiway 2\1302445-E-501.dwg LAYOUT NAME: E501 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mm

DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	



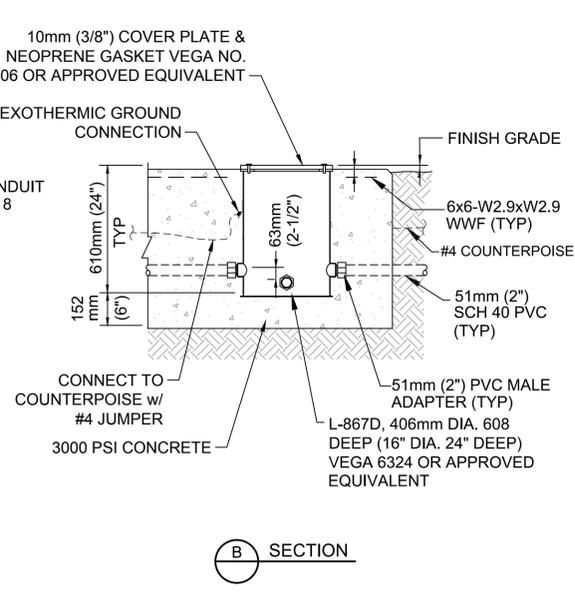
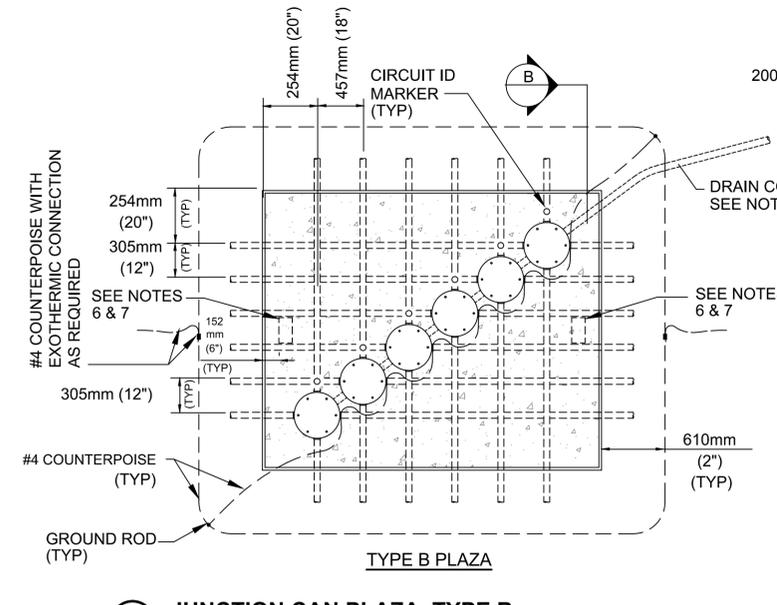
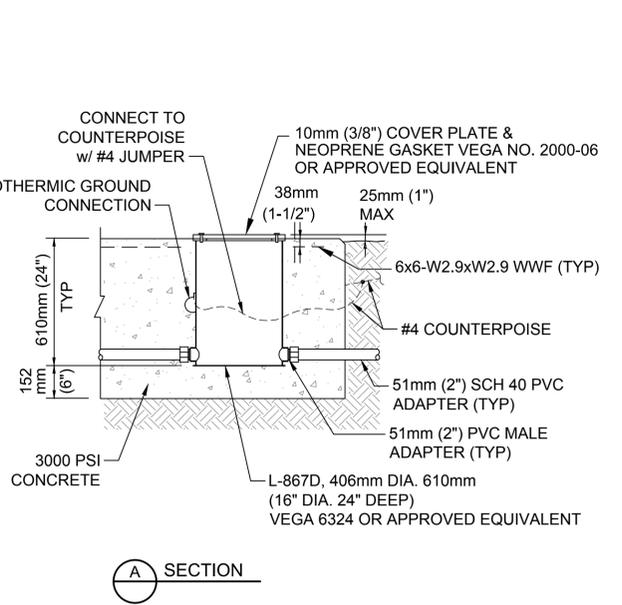
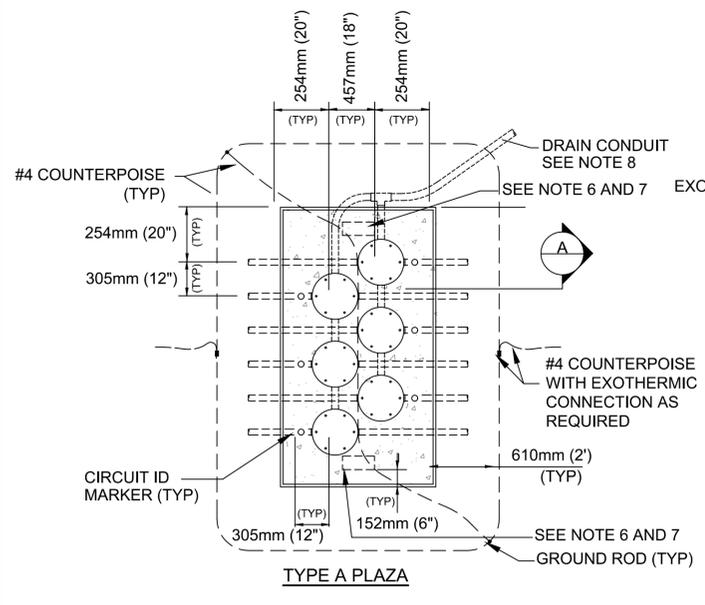
**leidos**  
LEIDOS ENGINEERING, LLC  
ONE WEST 3RD ST.  
TULSA, OK 74103

**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 A&S&P

APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	EFC   drw MRM   chk JMM
PROJECT MANAGER	
IPV TECH. BRANCH HEAD	
CHIEF ENGINEER (CORE)	

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

SCALE	NTS
EPROJCT NO.	15095473
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	
SHEET	37 of 41
<b>E-501</b>	
DRAWFORM REVISION: 5 APRIL 2012	

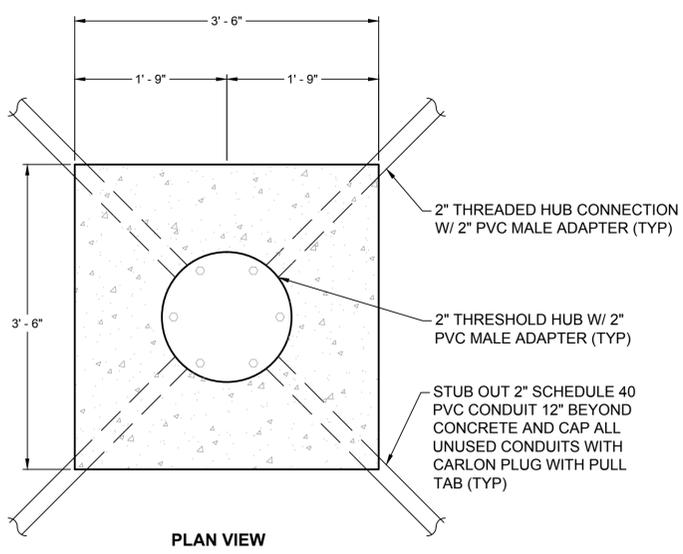
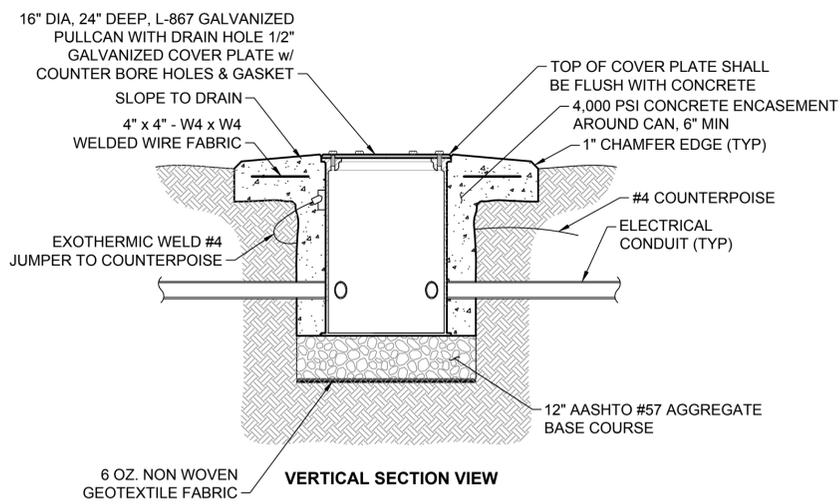
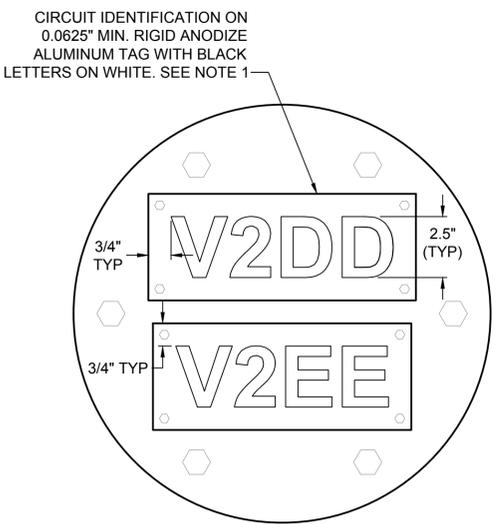
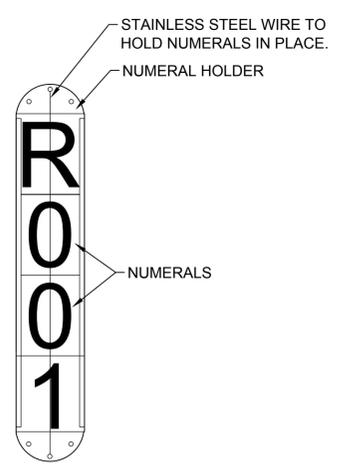


**1 JUNCTION CAN PLAZA, TYPE A**  
SCALE: NTS

**2 JUNCTION CAN PLAZA, TYPE B**  
SCALE: NTS

- NOTES:**
- NUMBER OF JUNCTION CANS AND CONDUIT CONFIGURATIONS VARY. SEE LAYOUT PLAN SHEETS FOR ORIENTATION.
  - CONDUITS WHICH ARE NOT USED IN THE PROJECT SHALL BE CAPPED 304mm (12") OUTSIDE OF PLAZA CONCRETE.
  - ORIENT PLAZA AS SHOWN ON LAYOUT PLAN SHEETS.
  - CONTRACTOR SHALL PROVIDE A 51mm (2") DIA DOMED BRONZE MARKER AT EACH JUNCTION CAN AS SHOWN. MARKER SHALL BE STAMPED WITH CIRCUIT IDENTIFICATION AS SHOWN ON LAYOUT PLAN SHEETS.
  - INSTALL GROUND RODS AND GROUND LOOP AT ALL JUNCTION CAN PLAZAS AS SHOWN. TWO GROUND RODS PER PLAZA LOCATED AT OPPOSITE CORNERS SHALL BE PROVIDED. COUNTERPOISE SHALL BE LOCATED NOMINALLY 304mm (12") BELOW EXISTING GRADE.
  - CONTRACTOR SHALL LABEL 2 ENDS OF EACH JUNCTION CAN PLAZA (JCP) BY IMPRESSING THE JCP IDENTIFICATION NUMBER INTO THE CONCRETE FOUNDATION DURING PLACEMENT. LETTERS AND NUMBERS SHALL BE 102mm (4") IN HEIGHT, PROPORTIONAL IN WIDTH, AND HAVE A STROKE WIDTH OF 13mm (1/2") AND 6mm (1/4") DEPTH.
  - SEE LAYOUT PLAN SHEETS FOR JCP IDENTIFICATION NUMBERS.
  - DRAINS NOT REQUIRED FOR THIS PROJECT. DRAIN CONDUIT BETWEEN CANS NOT REQUIRED FOR THIS PROJECT.

- NOTES:**
- NUMBER OF JUNCTION CANS AND CONDUIT CONFIGURATIONS VARY. SEE LAYOUT PLAN SHEETS FOR ORIENTATION.
  - CONDUITS WHICH ARE NOT USED IN THE PROJECT SHALL BE CAPPED 304mm (12") OUTSIDE OF PLAZA CONCRETE.
  - ORIENT PLAZA AS SHOWN ON LAYOUT PLAN SHEETS.
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  - SEE LAYOUT PLAN SHEETS FOR JCP IDENTIFICATION NUMBERS.
  - DRAINS NOT REQUIRED FOR THIS PROJECT. DRAIN CONDUIT BETWEEN CANS NOT REQUIRED FOR THIS PROJECT.



**3 LIGHT FIXTURE IDENTIFICATION TAG DETAIL**  
SCALE: NTS

**4 PULLCAN LID LABEL DETAIL**  
SCALE: NTS

**5 PULLCAN DETAIL**  
SCALE: NTS

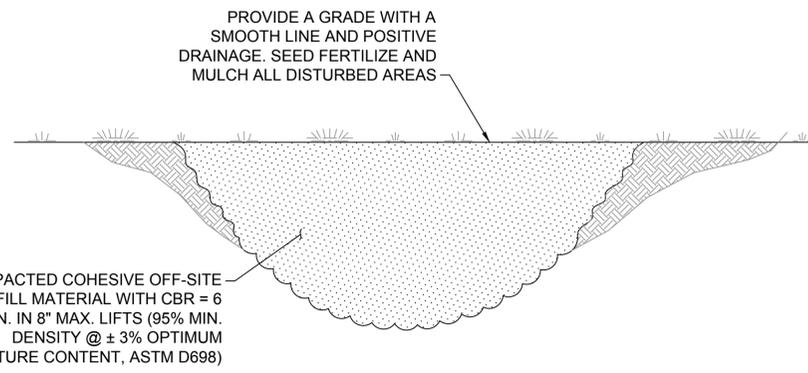
- NOTES:**
- THE CONTRACTOR SHALL FURNISH AND INSTALL NUMBER TAGS ON ALL LIGHTS. THE TAGS SHALL BE REFLECTIVE AND SHALL BE "E-Z TAG" AS MANUFACTURED BY ALMATEK, OR APPROVED EQUAL. EACH TAG SHALL BE A VERTICAL CONFIGURATION, CONSISTING OF A HOLDER AND NUMERALS.
  - THE NUMBER TAG SHALL CONSIST OF ONE LETTER (R OR C) PRECEDED BY THREE NUMBERS. THE NUMBER SEQUENCE SHALL BE AS DEFINED ON THE PLANS.

- NOTE:**
- PROVIDE HIGH PERFORMANCE ADHESIVE BACKING AND 4-3/16" DIA. HOLE FOR MECHANICAL ATTACHMENT WITH S.S. HEX HEAD WASHER SELF TAPPING SCREWS. PROVIDE SAMPLE TAG FOR APPROVAL BY THE CONTRACTING OFFICER.

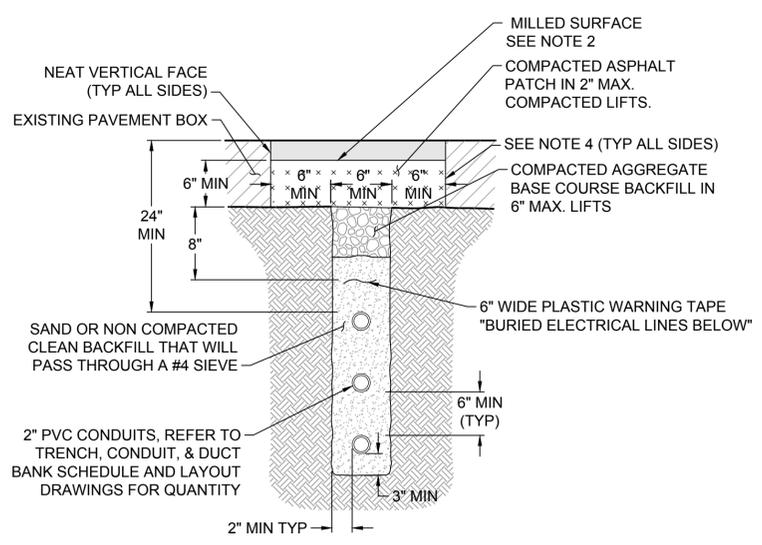
- NOTES:**
- ADJUST ORIENTATION OF CONDUIT TO MATCH FIELD CONDITIONS.
  - MULTI CANS MAY BE INSTALLED IN THE SAME PAD. PROVIDE A MINIMUM SPACING OF 2'-0" C-C BETWEEN CANS AND 1'-9" FROM THE CENTER OF THE CAN TO THE EDGE OF THE PAD.
  - COVER PLATE SHALL BE FLUSH WITH TOP OF CONCRETE. PROVIDE 1/8" TO 1/4" GAP BETWEEN CONCRETE AND COVER PLATE.
  - CONTRACTOR SHALL INSTALL A LABEL INDICATING THE CIRCUIT(S) ID (2.5" HIGH) ON THE APPROPRIATE CAN LID FOR CIRCUIT IDENTIFICATION. SEE "PULLCAN LID LABEL DETAIL". DO NOT LABEL SPARE PULLCANS.

FILE NAME: N:\14072\04 CAD\08b-Taxway 2\1302445-E-502.dwg LAYOUT NAME: E502 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mm

DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES	EFC   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 'Z'	
ELECTRICAL DETAILS	
SCALE:	NTS
PROJECT NO.:	15095474
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15095474
SHEET	38 of 41
<b>E-502</b>	
DRAWING REVISION: 5 APRIL 2012	

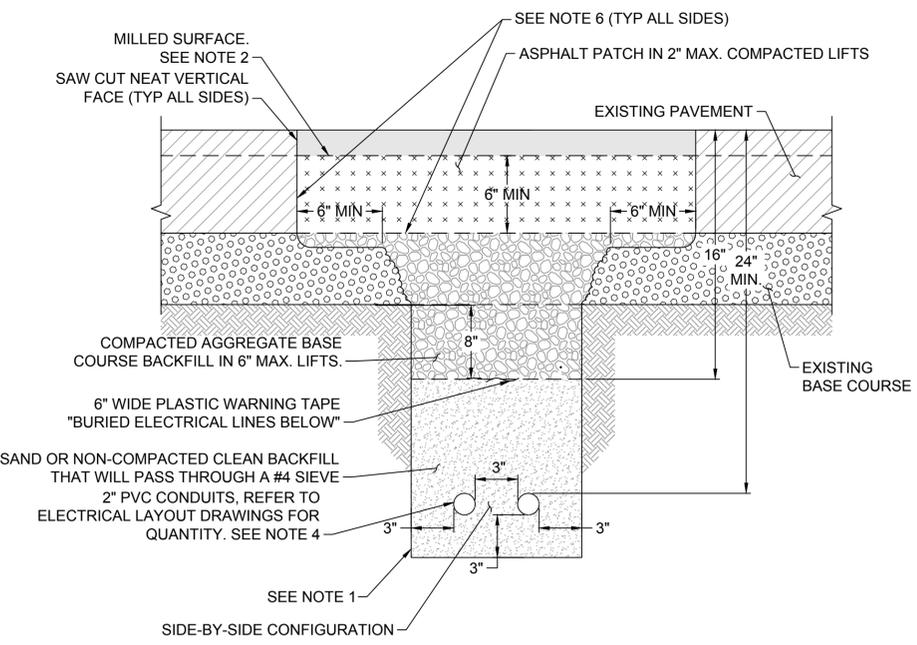


**1 DEMOLITION/REPAIR IN TURF AREA DETAIL**  
SCALE: NTS



**2 CONDUIT DETAIL - TRENCHED THROUGH EXISTING HMA PAVEMENT (2" PVC)**  
SCALE: NTS

- NOTES:
1. THE ILLUSTRATION SHOWN ABOVE OF THE 3-WAY SINGLE COLUMN CONDUIT RUNS ARE FOR CONFIGURATION PURPOSES ONLY. SEE TRENCH, CONDUIT, & DUCT BANK SCHEDULE AND LAYOUT DRAWINGS FOR CONDUIT QUANTITY. SEE ELECTRICAL NOTES SHEET FOR TRENCH, CONDUIT, & DUCT BANK NOTES.
  2. IN A NON-MILLED SHOULDER AREA, THE ASPHALT PATCH SHALL MATCH THE EXISTING PAVEMENT SURFACE.
  3. COMPACTED AGGREGATE BASE COURSE SHALL BE COMPACTED TO A 98% MIN. DENSITY @ ±3% OPTIMUM MOISTURE CONTENT PER ASTM D698.
  4. PRIOR TO PAVING, APPLY A BITUMINOUS PRIME COAT ON ALL VERTICAL ASPHALT AND ALL HORIZONTAL AGGREGATE BASE COURSE SURFACES AT A RATE OF ~0.15 GALLONS PER SQ. YARD.

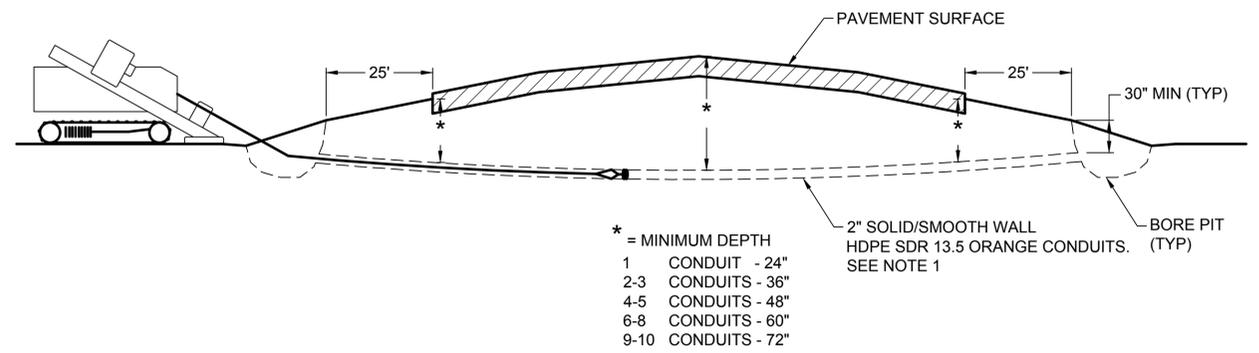


**3 CONDUIT DETAIL - CUT & PATCH IN SHOULDER PAVEMENT**  
SCALE: NTS

- NOTES:
1. PRIOR TO BACKFILLING, CLEAN-OUT EXCAVATED AREA OF ALL LOOSE MATERIAL TO EXPOSE UNDISTURBED EDGES.
  2. IN A NON-MILLED SHOULDER AREA, THE ASPHALT PATCH SHALL MATCH THE EXISTING PAVEMENT SURFACE.
  3. SPACE GROUND RODS AT 500' MAX. INTERVALS. BOND COUNTERPOISE TO GROUND ROD WITH #4 BARE COPPER CONDUCTOR, EXOTHERMIC WELD BOTH ENDS.
  4. IF MORE THAN TWO 2" CONDUITS ARE INSTALLED SIDE-BY-SIDE, INCREASE THE DEPTH OF THE TOP CONDUITS BY AN ADDITIONAL 6" FOR EACH ADDITIONAL CONDUIT INSTALLED SIDE-BY-SIDE. VERTICALLY STACKED CONDUITS SHALL HAVE 6" MIN. CLEARANCE BETWEEN THEM.
  5. COMPACTED AGGREGATE BASE COURSE SHALL BE COMPACTED TO A 98% MIN. DENSITY @ ±3% OPTIMUM MOISTURE CONTENT PER ASTM D698.
  6. PRIOR TO PAVING, APPLY A BITUMINOUS PRIME COAT ON ALL EXISTING ASPHALT AND ALL HORIZONTAL AGGREGATE BASE COURSE SURFACES AT A RATE OF ~0.15 GALLONS PER SQ. YARD.

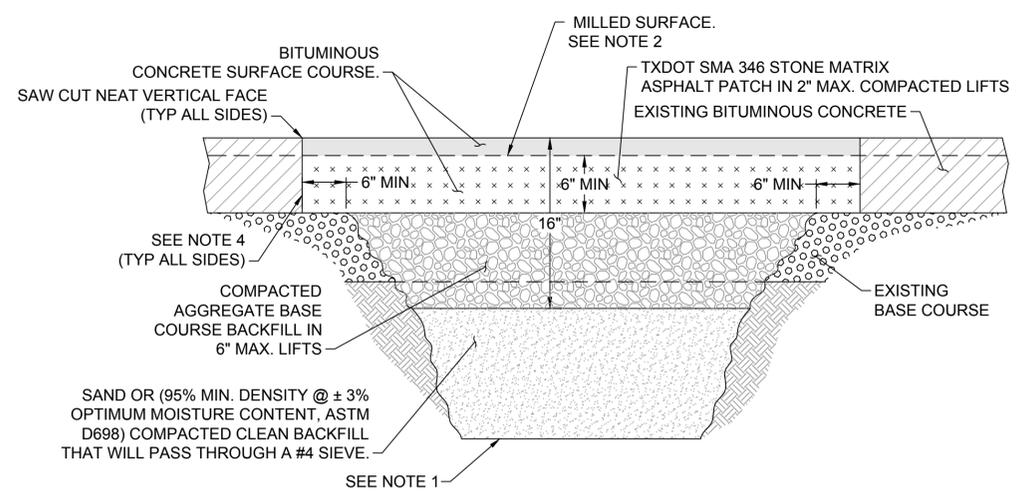
**1 TRENCH, CONDUIT, & DUCT BANK NOTES**  
SCALE: NTS

1. ROUTE 5kV CABLES IN LOWER LEVEL CONDUITS WHERE POSSIBLE. DO NOT ROUTE DIFFERENT VOLTAGE CLASSIFICATION CABLES IN THE SAME CONDUIT.
2. GROUND RODS SHALL ALSO BE USED TO TERMINATE COUNTERPOISE AT BOTH ENDS OF TRENCH, CONDUIT RUN, OR DUCT BANK.
3. PROVIDE CABLE TAGS FOR EACH CABLE OR WIRE AT DUCT ENTRANCES ENTERING OR LEAVING OF MANHOLES, HANDHOLES, AND AT EACH TERMINAL WITHIN THE LIGHTING VAULT. USE RAISED LETTER NOT LESS THAN 1/4 INCH IN HEIGHT (REF UFGS-34 43 Art 2.4.5).



**4 2" HDPE DIRECTIONAL BORING UNDER PAVEMENT DETAIL**  
SCALE: NTS

- NOTE:
1. ATTACH 1 #4 BARE STRANDED COPPER WIRE TO THE OUTSIDE OF THE HDPE CONDUIT OR GROUP OF CONDUITS WHEN INSTALLING THE CONDUITS. CONNECT THE #4 BARE WIRE TO THE CONTINUING TRENCH COUNTERPOISE WITH EXOTHERMIC WELDS. PROVIDE AND CONNECT A 3/4" x 10' COPPER GROUND ROD AT EACH BORE PIT AND/OR BORE TERMINATION LOCATION.



**5 DEMOLITION REPAIR IN SHOULDER PAVEMENT DETAIL**  
SCALE: NTS

- NOTES:
1. PRIOR TO BACKFILLING, CLEAN-OUT EXCAVATED AREA OF ALL LOOSE MATERIAL TO EXPOSE UNDISTURBED EDGES.
  2. IN A NON-MILLED SHOULDER AREA, THE ASPHALT PATCH SHALL MATCH THE EXISTING PAVEMENT SURFACE.
  3. COMPACTED AGGREGATE BASE COURSE SHALL BE COMPACTED TO A 98% MIN. DENSITY @ ±3% OPTIMUM MOISTURE CONTENT PER ASTM D698.
  4. PRIOR TO PAVING, APPLY A BITUMINOUS PRIME COAT ON ALL EXISTING ASPHALT AND ALL HORIZONTAL AGGREGATE BASE COURSE SURFACES AT A RATE OF ~0.15 GALLONS PER SQ. YARD.

FILE NAME: N:\14072\04 CAD\08b-Taxway 2\1302449-E-503.dwg LAYOUT NAME: E503 PLOTTED: Tuesday, June 09, 2015 - 9:45am USER: mm

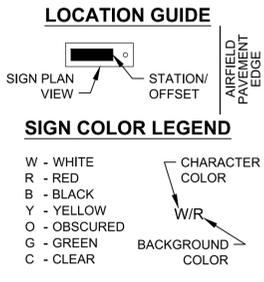
DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES EFC   DRW MRM   CHK JMM PROJECT MANAGER IPT TECH BRANCH HEAD CHIEF ENGINEER (CORE)	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI CORPUS CHRISTI, TEXAS <b>NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z'</b> ELECTRICAL DETAILS	
SCALE:	NTS
PROJECT NO.:	15095475
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	15095475
SHEET:	39 of 41
<b>E-503</b> <small>DRAWING REVISION: 5 APRIL 2012</small>	

**SIGN SCHEDULE**

SIGN #	DESCRIPTION		LOCATION		EQUIPMENT SPECIFICATIONS					COMMENTS
	PANEL "A"	PANEL "B"	STATION	OFFSET	# MODULES *	STYLE	CLASS	MODE	SIZE	
36										
37		BLANK								
38		BLANK								
39										
40		BLANK								EXISTING SIGN #40

\* ESTIMATE - COORDINATE WITH SIGN MANUFACTURER ON EXACT NUMBER OF MODULES  
**REFERENCE INFORMATION FROM A/C 150/5345-44H "SPECIFICATIONS FOR RUNWAY AND TAXIWAY SIGNS (28 SEP 07)"**

STYLE 1 = 120 VAC  
 STYLE 2 = 3 STEPS 4.8-6.6 AMPS  
 STYLE 3 = 5 STEPS 2.8 - 6.6 AMPS OR 8.5 - 20.0 AMPS  
 STYLE 4 = UNLIGHTED  
 STYLE 5 = 1 STEP 5.5 AMPS  
 CLASS 1 = OPERATING TEMPERATURE FROM -4F (-20C) TO +131F (55C)  
 CLASS 2 = OPERATING TEMPERATURE FROM -40F (-40C) TO +131F (55C)  
 MODE 1 = WIND LOADING TO 100 MPH  
 MODE 2 = WIND LOADING TO 200 MPH  
 MODE 3 = WIND LOADING TO 300 MPH  
 SIZE 1 = 18" HIGH PANEL WITH 12" CHARACTER  
 SIZE 2 = 24" HIGH PANEL WITH 15" CHARACTER  
 SIZE 3 = 30" HIGH PANEL WITH 18" CHARACTER  
 SIZE 4 = 48" HIGH PANEL WITH 40" CHARACTER  
 SIZE 5 = 30" HIGH PANEL WITH 25" CHARACTER



**ELECTRICAL NOTES:**

- THE LOCATION OF ALL UTILITIES SHOWN IS APPROXIMATE ONLY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE BEGINNING CONSTRUCTION. NOT ALL UTILITIES ARE NECESSARILY SHOWN.
- THE CONTRACTOR SHALL LOCATE ALL UTILITIES DURING CONSTRUCTION, AND HAND DIG WHEN WITHIN THREE (3) FEET OF ANY KNOWN OR SUSPECTED UNDERGROUND UTILITY.
- ALL CABLES SHALL BE TAGGED AT EACH CONNECTION AND AT EACH ENTRANCE TO ALL DUCTS AND HANDHOLES AND PULL CANS. CABLE TAGS SHALL BE ALMETEK MINI-TAGS KIT WITH BLACK STAMPED YELLOW POLYETHYLENE LETTERS OR APPROVED EQUIVALENT. ATTACH TAGS WITH CABLE TIES.
- ALL ELECTRICAL WORK SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL CODE AND CURRENT NEC HANDBOOK.
- THE CONTRACTOR SHALL MANUALLY LOCK OUT EACH CIRCUIT AT THE VAULT WHEN WORK IS BEING PERFORMED ON THE CIRCUIT. THE CIRCUIT SHALL BE TAGGED AND THE CONTRACTOR'S NAME SHALL BE CLEARLY IDENTIFIED ON EACH TAG. THE CONTRACTOR SHALL HAVE A LOCK OUT KIT ON SITE AT ALL TIMES. THE CONTRACTING OFFICER'S DESIGNATED REPRESENTATIVE SHALL BE NOTIFIED EACH TIME A CIRCUIT IS SECURED AND EACH TIME THE CIRCUIT IS RETURNED TO OPERATIONAL STATUS. THE CONTRACTOR MUST BE CERTIFIED AND TRAINED BY THE CONTRACTING OFFICER'S DESIGNATED REPRESENTATIVE PRIOR TO PERFORMING WORK OR LOCK-OUT PROCEDURES IN THE ELECTRICAL VAULT.
- ALL UNDERGROUND CONDUITS SHALL BE PVC, SCHEDULE 40, UNLESS OTHERWISE NOTED. ALL UNDERGROUND CONDUITS SHALL BE UL APPROVED. ALL UNDERGROUND CONDUIT BENDS SHALL BE LONG RADIUS ANGLES.
- WHERE CONDUIT IS TO BE CONNECTED TO EXISTING CONDUIT, THE CONTRACTOR SHALL MAKE THE CONNECTION USING MANUFACTURED COUPLINGS.
- FIELD LOCATE EXISTING DUCTS WHICH WILL BE UTILIZED FOR THIS PROJECT. APPROXIMATE LOCATIONS ARE SHOWN.
- RUNWAY AND/OR TAXIWAY LIGHTS SHALL BE DE-ENERGIZED OR PROPERLY COVERED ON ALL CLOSED SEGMENTS OF RUNWAY(S) AND TAXIWAY(S).
- THE CONTRACTOR SHALL FIELD STAKE ALL LIGHTS AND AIRFIELD SIGNS, PRIOR TO INSTALLATION. ANY DISCREPANCIES IN ALIGNMENT OR LOCATION SHOULD BE RESOLVED PRIOR TO INSTALLATION. THE LOCATION OF ALL HOLD LINES SHALL BE CONFIRMED PRIOR TO INSTALLATION OF THE SIGNS. .
- THE LOCATIONS OF ALL P.T.'S SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED AND APPROVED BY THE CONTRACTING OFFICER'S DESIGNATED REPRESENTATIVE.
- ALL SIGNS SHALL BE INSTALLED PERPENDICULAR TO THE RUNWAY OR TAXIWAY CENTERLINE, UNLESS NOTED DIFFERENTLY ON THE PLANS. PRIOR TO INSTALLING THE SIGN FOUNDATION, THE CONTRACTOR SHALL VERIFY THE NUMBER OF MODULES AND/OR LENGTH OF EACH SIGN WITH THE MANUFACTURER TO ACCOMMODATE THE SIGN LEGEND/DESCRIPTION.
- ALL PULLCANS SHALL HAVE A 1/2" THICK COVER PLATE WITH COUNTER BORE HOLES AND TWO OPPOSITE HOLES (0,180) TAPPED 1/2" - 13. ALL COVER PLATES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL TURN OVER TO THE CONTRACTING OFFICER FOUR (4) 1/2"-13 EYEBOLTS.
- PROVIDE TXDOT APPROVED HIGH EARLY STRENGTH CONCRETE (CALCIUM ALUMINATE CEMENT) FOR PHASED CONSTRUCTION. HIGH EARLY STRENGTH CONCRETE MUST ACHIEVE A MINIMUM OF 70% DESIGN STRENGTH PRIOR TO REOPENING A RUNWAY OR TAXIWAY.
- COORDINATE (AT LEAST 72 HOURS IN ADVANCE) ANY INTERRUPTION OF SERVICE TO ACTIVE LIGHTING CIRCUITS WITH THE CONTRACTING OFFICER. ANY DAMAGE TO EXISTING AIRPORT CIRCUITS CAUSED BY THE CONTRACTOR'S EQUIPMENT OR PERSONNEL SHALL BE PROMPTLY REPAIRED, BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE. ALL ACTIVE LIGHTING SYSTEMS FOR OPEN AIRCRAFT OPERATIONAL AREAS (AOA) SHALL REMAIN READY FOR OPERATION DURING IFR WEATHER CONDITIONS AND FROM DUSK TO DAWN.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL INVENTORY ALL LIGHTS, FIXTURES, SIGNS, ETC., WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL ADVISE THE CONTRACTING OFFICER, IN WRITING, OF ANY DAMAGED LIGHT FIXTURES, SIGNS, OR UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
- FOR LIGHTING CIRCUITS REMAINING IN OPERATION, THE CONTRACTOR SHALL MEGGAR THE EXISTING LIGHTING CIRCUIT PRIOR TO BEGINNING WORK AND AT THE END OF EACH DAY'S WORK. THIS WORK SHALL BE PERFORMED IN THE PRESENCE OF THE CONTRACTING OFFICER'S DESIGNATED REPRESENTATIVE AND LOGGED IN THE DAILY REPORT. IF THERE IS A DROP IN THE MEGGARED CIRCUIT VALUES, THE CONTRACTOR SHALL DETERMINE THE LOCATION OF THE PROBLEM AT THE CONTRACTOR EXPENSE. IF THE PROBLEM IS DUE TO THE CONTRACTOR'S WORK, THE APPLICABLE CIRCUITS SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CONTRACTING OFFICER.
- THE CONTRACTOR SHALL HAVE A TONE GENERATOR TYPE CABLE TRACER ON SITE AT ALL TIMES TO LOCATE EXISTING CABLES.
- THE CONTRACTOR MAY BE REQUIRED TO CONNECT THE CIRCUITS TO THE EXISTING CIRCUITS IN ACCORDANCE WITH THE PHASING PLAN. ALL WORK REQUIRED TO MAKE THE CONNECTIONS TO THE EXISTING CIRCUITS SHALL BE INCIDENTAL TO THE PROJECT (I.E., PUNCHING INTO EXISTING MANHOLES, LIGHT BASES, JUNCTION STRUCTURES FOR CONDUITS).
- ALL GROUND RODS AND OTHER UNDERGROUND GROUNDING CONNECTIONS SHALL BE EXOTHERMICALLY WELDED, UNLESS OTHERWISE NOTED. EXOTHERMIC CONNECTIONS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES. THE COUNTERPOISE SYSTEM SHALL BE CONNECTED WITH THE EXISTING SYSTEM AT ALL CROSSING POINTS.
- EXISTING LIGHTING FIXTURES REMOVED SHALL REMAIN THE PROPERTY OF THE GOVERNMENT AND STORED AT THE AIRPORT AT A LOCATION AS ORDERED BY THE CONTRACTING OFFICER UNLESS OTHERWISE NOTED. EXISTING 20A/6.6A L-830 ISOLATION TRANSFORMERS REMOVED SHALL BE DISPOSED OF OFF-SITE IN A LAWFUL MANNER.
- AT THE BEGINNING OF THE PROJECT, THE CONTRACTOR SHALL FURNISH THE CONTRACTING OFFICER WITH TWO (2) COPIES OF ALL MANUFACTURERS' INSTALLATION INSTRUCTIONS FOR ALL EQUIPMENT.
- AT THE PROJECT COMPLETION, THE CONTRACTOR SHALL PROVIDE A FOUR (4) HOUR MINIMUM TRAINING SESSION FOR AIRPORT MAINTENANCE PERSONNEL. THE SESSION SHALL COVER ALL INSTALLED EQUIPMENT.
- AT THE PROJECT COMPLETION, THE CONTRACTOR SHALL PROVIDE A COMPLETE MAINTENANCE MANUAL BOUND IN A THREE-RING NOTEBOOK. THE MANUAL SHALL CONTAIN THE FOLLOWING AS A MINIMUM:
  - AS-BUILT WIRING SCHEMATICS
  - EQUIPMENT SHOP DRAWINGS SUBMITTALS
  - MANUFACTURERS' EQUIPMENT INSTALLATION INSTRUCTIONS
  - MANUFACTURERS' MAINTENANCE INSTRUCTIONS
  - WARRANTIES
  - SPARE PARTS LISTS
- SPLICES SHALL BE MADE ONLY AT OUTLETS, JUNCTION BOXES OR ACCESSIBLE RACEWAY. ALL SPLICES IN MANHOLES AND PULLCANS SHALL BE L-823 CONNECTOR KITS, 3M SKOTCHCAST EPOXY RESIN KIT OR APPROVED EQUIVALENT.
- ANTI-SEIZE COMPOUND SHALL BE APPLIED TO ALL PULLCAN, LIGHT BASE & EXTERIOR JUNCTION BOX BOLTS.
- UNLESS OTHERWISE NOTED, ALL BACKFILL MATERIAL AND COMPACTION SHALL BE AS SPECIFIED IN CONTRACT DOCUMENTS.

FILE NAME: N:\14072\04 CAD\08b-Taxiway 2\302445-E-701.dwg LAYOUT NAME: E-701 PLOTTED: Tuesday, June 09, 2015 - 9:46am USER: nrm

ISSUED FOR BID	0	DATE	8 JUN 15
DESCRIPTION			
APPROVED			
FOR COMMANDER NAVFAC			
ACTIVITY			
SATISFACTORY TO DATE			
DES	EFC	DRW	MJM
PROJECT MANAGER			
IP/ TECH BRANCH HEAD			
CHIEF ENGINEER (CORE)			
DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND		
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST	NAVAL AIR STATION JACKSONVILLE		
CHIEF CORE	NAS CORPUS CHRISTI		
NAS CORPUS CHRISTI	CORPUS CHRISTI, TEXAS		
	NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXIWAY 'Z'		
	SIGN SCHEDULE		
SCALE:	NTS		
EPROJECT NO.:			
CONSTR. CONTR. NO.			
NAVFAC DRAWING NO.	15095476		
SHEET	40	OF	41
<b>E-701</b>			
DRAWFORM REVISION: 5 APRIL 2012			

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2

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D

C

B

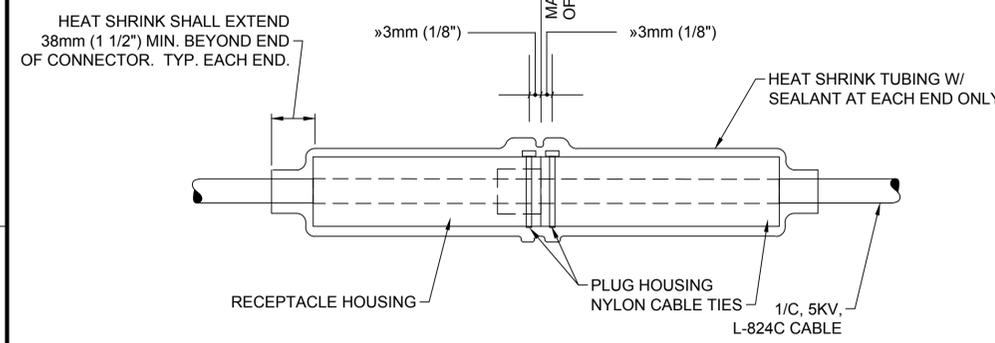
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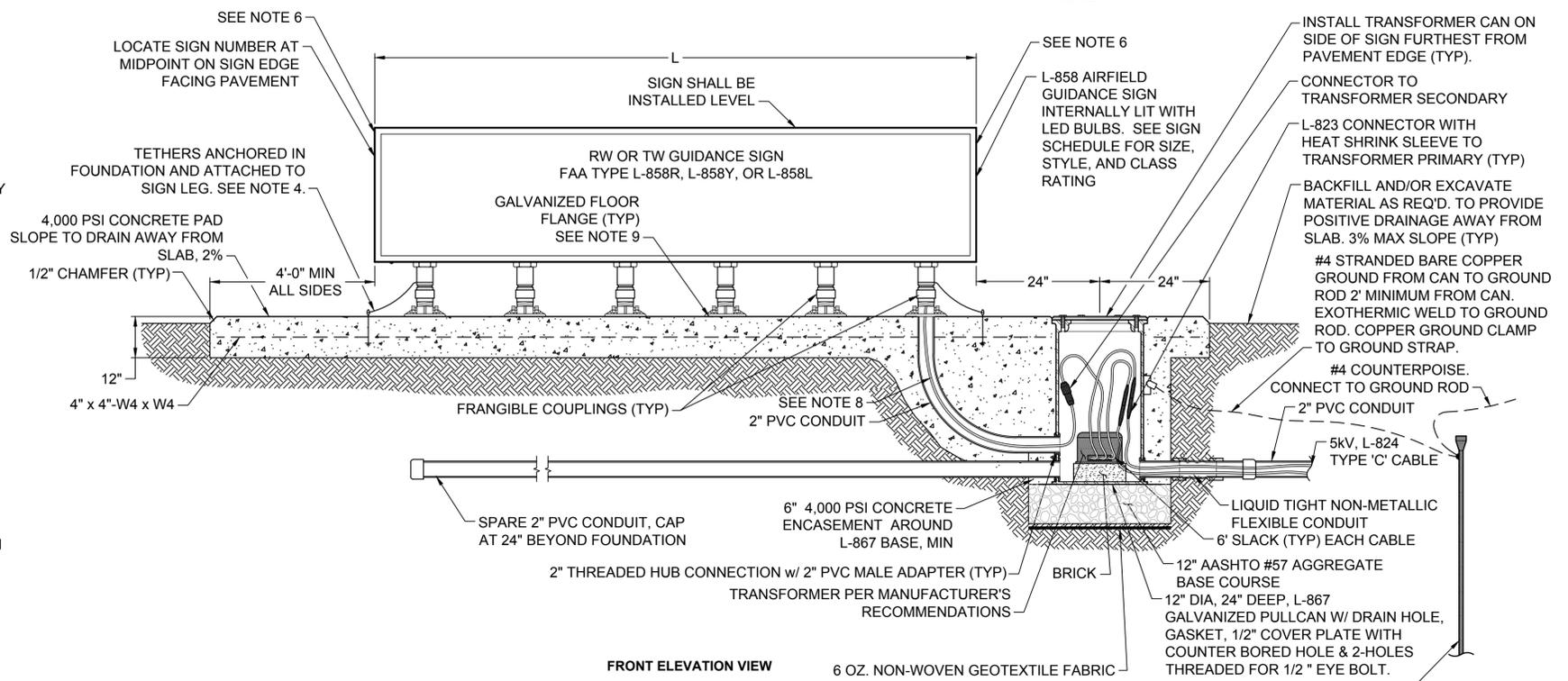
A



**1 FIELD ATTACHED PLUG-IN SPLICE FAA TYPE L-823**  
SCALE: NTS

**NOTES:**

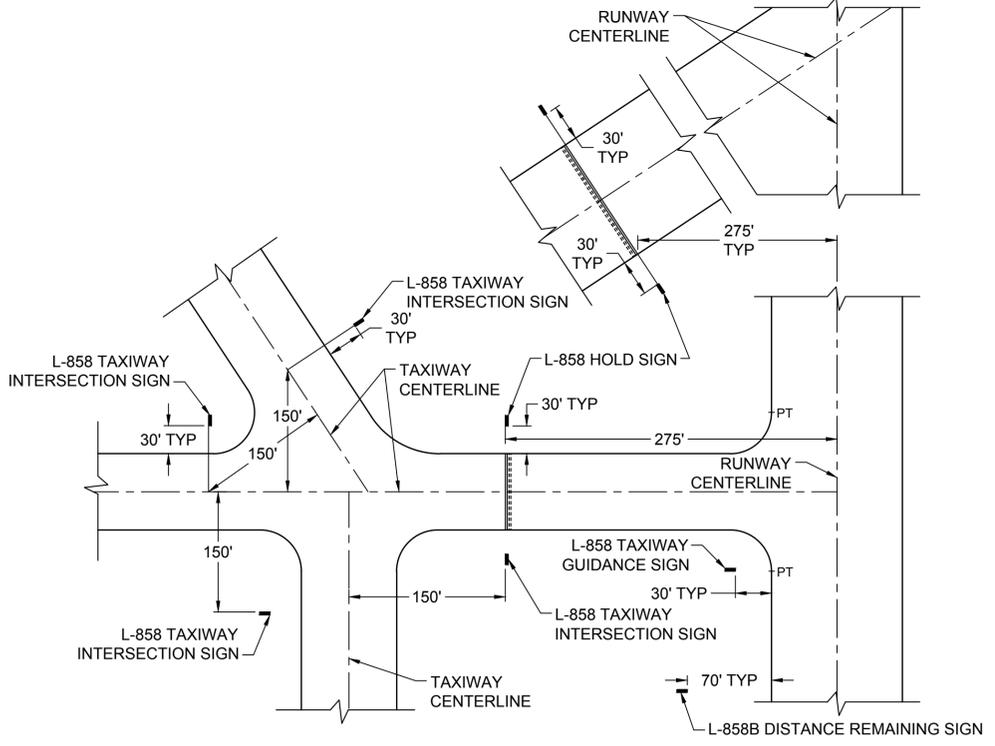
1. INTERIOR PIN AND SOCKETS ARE NOT SHOWN FOR CLARITY.
2. ATTACH EACH CABLE TIE »3mm (1/8") FROM THE MATING FACE OF THE CONNECTOR HOUSING. TIGHTEN CABLE TIE ENOUGH TO HOLD IN PLACE WITHOUT COMPRESSING HOUSING. A COMPLETELY TRIM OFF EXCESS CABLE TIE.
3. INSTALLATION OF L-823 AND HEAT SHRINK TUBING SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURERS REQUIREMENTS.



**2 AIRFIELD GUIDANCE SIGN (L.E.D.) DETAIL**  
SCALE: NTS

**NOTES:**

1. PROVIDE A L-823 DISCONNECT PLUG & RECEPTACLE IN THE FRANGIBLE COUPLING OF THE POWER LEG AS REQUIRED.
2. ALL CONDUIT UNDER THE CONCRETE PAD IS INCIDENTAL TO THE COST OF THE AIRFIELD GUIDANCE SIGN.
3. ORIENT THE INTERNAL POWER LUGS OF THE AIRFIELD GUIDANCE SIGN SO THAT THEY WILL BE CLOSEST TO THE LEG THROUGH WHICH THE POWER ENTERS THE SIGN HOUSING.
4. PROVIDE MINIMUM TWO (2) TETHER PER SIGN (AT ENDS).
5. INSTALL CONCRETE SIGN PAD LEVEL IN TURF SHOULDERS AND INSTALL CONCRETE SIGN PAD AT THE SAME GRADE AS PAVED SHOULDER. IN PAVED SHOULDERS, ADJUST SIGN LEGS TO LEVEL SIGN.
6. INSTALL LIGHT FIXTURE ID TAG FACING PAVEMENT EDGE (SEE DETAIL). USE 4 STAINLESS STEEL SELF TAPPING SCREWS TO SECURE TAG TO SIGN FACE.
7. FASTEN FLOOR FLANGE TO CONCRETE WITH 3/8" DIA. x 1-5/8" LONG MIN. DROP-IN ANCHORS. PROVIDE STAINLESS STEEL BOLTS WITH A STAINLESS STEEL FLAT AND LOCK WASHER. INSTALL NEVER SEIZE COMPOUND ON THE THREADS OF EACH BOLT.
8. PROVIDE A L-823 EXTENSION CORD (5' (1.5m) MIN.) AND A CABLE CLAMP AT THE JUNCTION BETWEEN THE END OF THE 2" PVC CONDUIT AND THE FLOOR FLANGE.
9. PRIOR TO SECURING THE SIGN TO THE CONCRETE FOUNDATION, APPLY AN APPROVED BITUMINOUS MASTIC MATERIAL TO THE BOTTOM OF EACH FLOOR FLANGE.



**3 TYPICAL SIGN LAYOUT DETAIL**  
SCALE: NTS

**NOTE:**

1. ALL TAXIWAY TO TAXIWAY INTERSECTION SIGNS SHALL BE COLLOCATED PERPENDICULAR TO THE TAXIWAY CENTERLINE AT THE POINT 150 FEET FROM THE INTERSECTING TAXIWAY CENTERLINE, OR AS SHOWN ON THE PLANS.

DATE	8 JUN 15
ISSUED FOR BID	0
DESCRIPTION	
APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	
DES EFC   DRW MRM   CHK JMM	
PROJECT MANAGER	
PT 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 'Z' SIGN DETAILS	
SCALE:	NTS
PROJECT NO.:	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	15095477
SHEET	41 OF 41
<b>E-702</b>	
DRAWFORM REVISION: 5 APRIL 2012	

FILE NAME: N:\14072\04 CAD\08b-Taxiway 2\1302445-E-702.dwg LAYOUT NAME: E-702 PLOTTED: Tuesday, June 09, 2015 - 9:47am USER: nrm