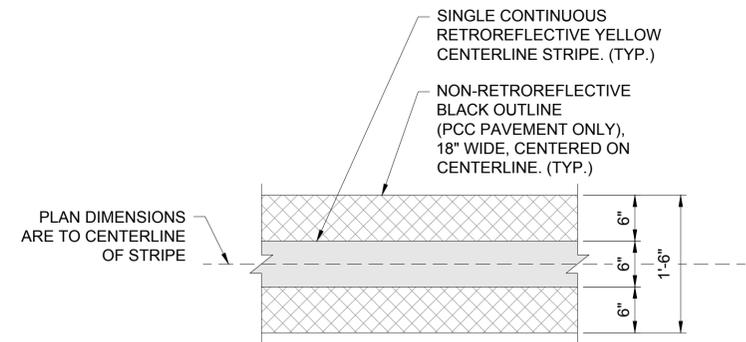
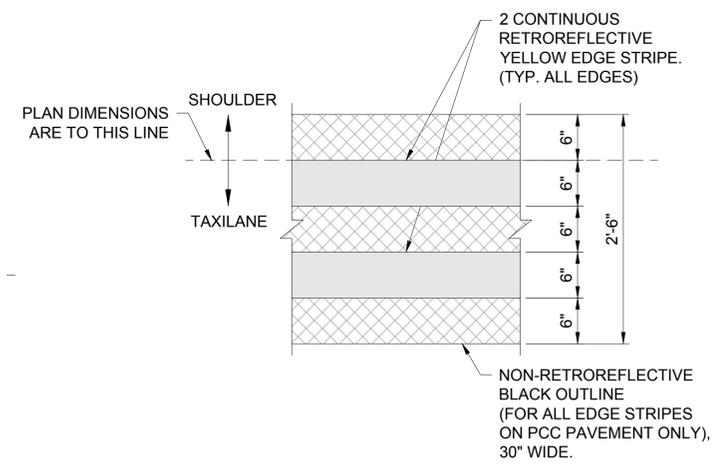


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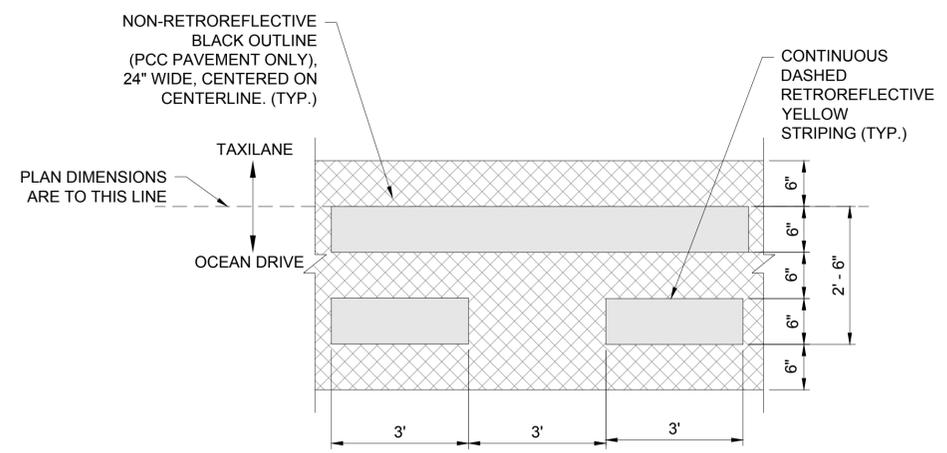
NOTE:
PAINTED STRIPE AS INDICATED ABOVE. BLACK OUTLINE ON PCC PAVEMENT ONLY. BLACK OUTLINE CAN BE OMITTED ON ASPHALT PAVEMENT.

1 TAXILANE CENTERLINE
NOT TO SCALE



NOTE:
PAINTED STRIPE AS INDICATED ABOVE. BLACK OUTLINE ON PCC PAVEMENT ONLY. BLACK OUTLINE CAN BE OMITTED ON ASPHALT PAVEMENT.

2 TAXILANE EDGE LINE (CONTINUOUS)
NOT TO SCALE



NOTE:
PAINTED STRIPE AS INDICATED ABOVE. BLACK OUTLINE ON PCC PAVEMENT ONLY. BLACK OUTLINE CAN BE OMITTED ON ASPHALT PAVEMENT.

4 NON-MOVEMENT AREA STRIPING
NOT TO SCALE

LEGEND

- YELLOW RETROREFLECTIVE PAINT
- BLACK NON-RETROREFLECTIVE PAINT

STRIPING NOTES

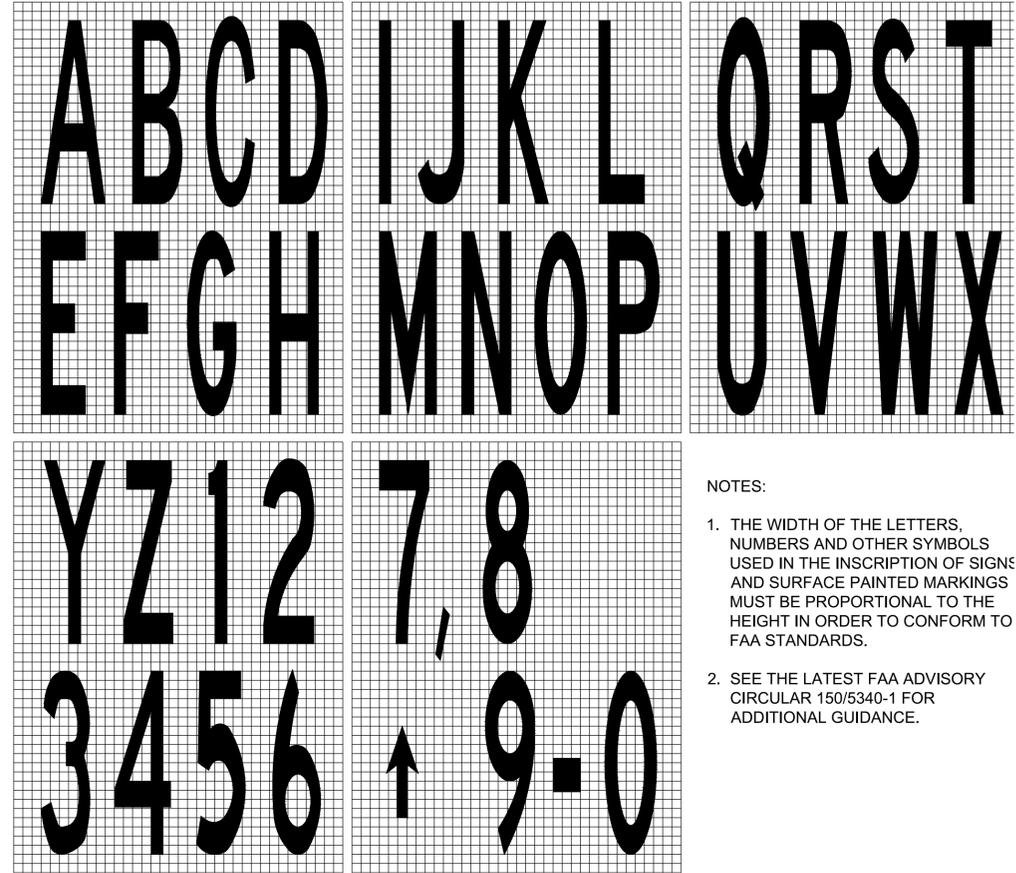
1. THE STRIPING SHALL CONFORM TO FAA AC 150/5340 LATEST EDITION.
2. REFERENCE THE PAINT CHART AND DETAILS FOR RETROREFLECTIVE REQUIREMENTS. VERIFY WITH CONTRACTING OFFICER PRIOR TO PAINTING.
3. PROVIDE 6" WIDE BLACK BORDER AROUND ALL STRIPING ON CONCRETE AND SURFACE PAINTED HOLDING POSITIONS.
4. ALL EXCESS OR LOOSE GLASS BEADS SHALL BE VACUUMED UP. DON'T BLOW OR SWEEP EXCESS BEADS.

| PAINT CHART | | |
|---------------------------|---|--|
| COLOR | FEDERAL COLOR SPECIFICATION | USE |
| RETROREFLECTIVE YELLOW | TT-P-1952E TYPE III PAINT, FED-STD-595, CHIP No. 33538, AND TT-B-1325 GLASS BEADS, TYPE III, GRADATION A. | TAXILANE |
| NON-RETROREFLECTIVE BLACK | TT-P-1952E TYPE III PAINT, FED-STD-595 CHIP No. 37038. | BORDER ON PCC AND SURFACE PAINTED HOLDING POSITION |

5 FAA TAXIWAY STRIPING NOTES
NOT TO SCALE

| | |
|---|-------------------------------|
| DATE 6 NOV 2015 | APPR |
| SYMBOL DESCRIPTION 0 ISSUED FOR BID | DATE |
| | |
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| | |
| <small>LEIDOS ENGINEERING, LLC ONE WEST 3RD ST. TULSA, OK 74103</small> | |
| <small>DELTA AIRPORT CONSULTANTS, INC. 9711 Finner Court, Suite 100 Richmond, Virginia 23236 phone: (804) 275-8301 • fax: (804) 275-8371 www.deltairport.com Delta Project No. 14072-AC-890</small> | |
| APPROVED | |
| FOR COMMANDER NAVFAC | |
| ACTIVITY | |
| SATISFACTORY TO DATE | |
| DES LRE DRW JMJ 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 TAXILANE 'S' | STRIPING DETAILS SHEET 1 OF 2 |
| SCALE: AS NOTED | |
| PROJECT NO.: | |
| CONSTR. CONTR. NO.: | |
| NAVFAC DRAWING NO. 15098390 | |
| SHEET 23 OF 43 | |
| C-511 | |
| <small>DRAWING REVISION: 5 APRIL 2012</small> | |

FILE NAME: P:\CD\1650-TULACM\205134800-10-C-512.dwg LAYOUT NAME: L1 PLOTTED: Thursday, November 12, 2015 4:38pm USER: jacksonm2



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.

1 SURFACE PAINTED MARKINGS DETAIL
SCALE: NTS

| | | | |
|--------|----------------|------------|----------|
| SYMBOL | DESCRIPTION | DATE | APPROVED |
| 0 | ISSUED FOR BID | 6 NOV 2015 | |





LEIDOS ENGINEERING, LLC
ONE WEST 350 ST.
TULSA, OK 74110



DELTA AIRPORT CONSULTANTS, INC.
9711 Framer Court, Suite 100
Richmond, Virginia 23236
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairport.com
Delta Project No. 14072-AC-APC

APPROVED FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES LRE | DRW MJM | 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
TAXILANE 'S'

STRIPING DETAILS SHEET 2 OF 2

SCALE: AS NOTED

PROJECT NO.:

CONSTR. CONTR. NO.:

NAVFAC DRAWING NO. 15098391

SHEET 24 OF 43

C-512

DRAWFORM REVISION: 5 APRIL 2012

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.
- 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

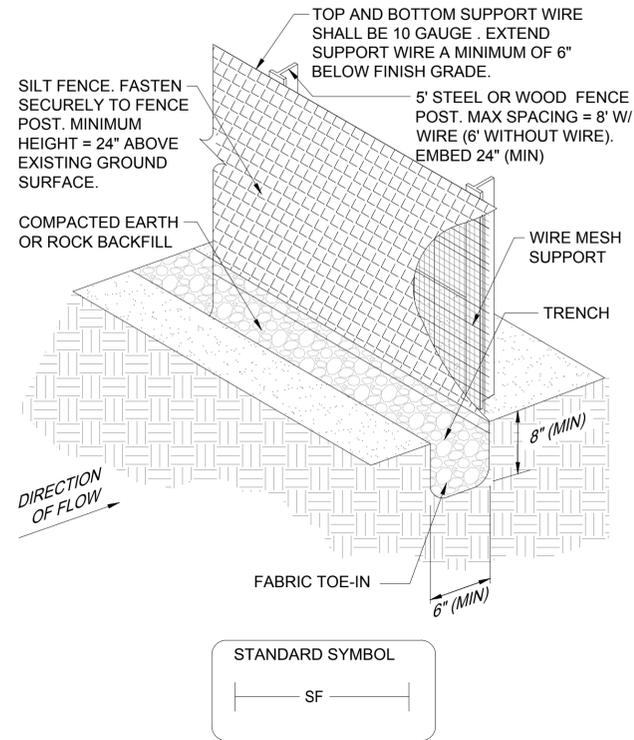
MAJOR ITEMS TO BE OBSERVED DURING INSPECTIONS INCLUDE:

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.



SEDIMENT FENCE (SILT FENCE) INSTALLATION DETAIL

1 NOT TO SCALE

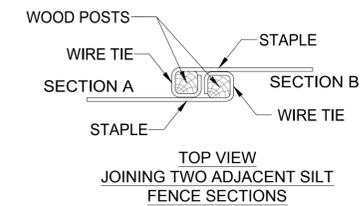
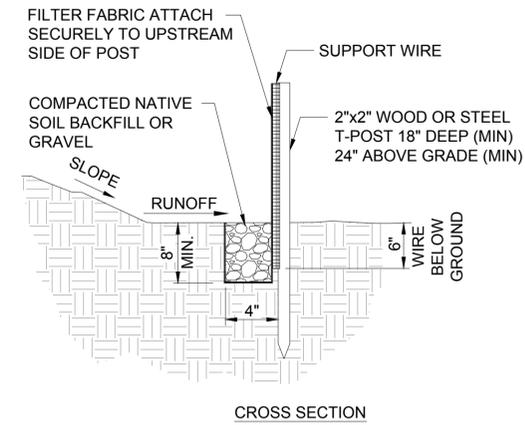
FILTER FABRIC SPECIFICATIONS

SILT FENCE SHALL BE CONSTRUCTED OF A WOVEN, POLYPROPYLENE, POLYESTER OR POLYIMIDE MATERIAL THAT SHALL BE RESISTENT 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.) |

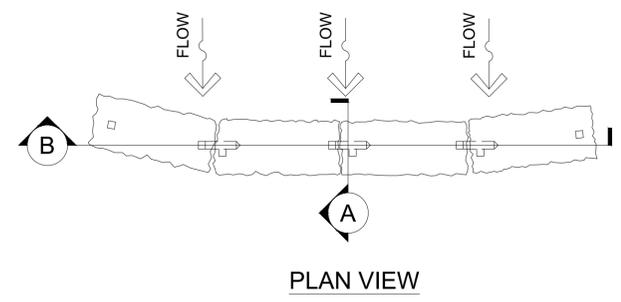
PREFABRICATED FENCE SYSTEMS MAY BE USED PROVIDED THEY MEET ALL THE MATERIAL REQUIREMENTS.

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

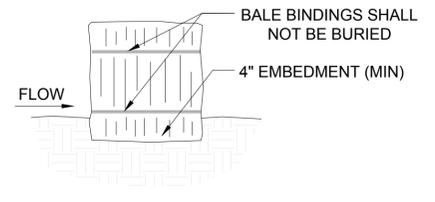


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|---|--------------------------------------|
| DATE | 6 NOV 2015 |
| SYMBOL DESCRIPTION | 0 ISSUED FOR BID |
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| APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DATE DES LRE DRW MJM CHK SMS 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 TAXILANE 'S' | EROSION CONTROL DETAILS SHEET 1 OF 2 |
| SCALE: | AS NOTED |
| PROJECT NO.: | |
| CONSTR. CONTR. NO.: | |
| NAVFAC DRAWING NO.: | 15098392 |
| SHEET | 25 OF 43 |
| C-701 | |
| DRAWFORM REVISION: 5 APRIL 2012 | |

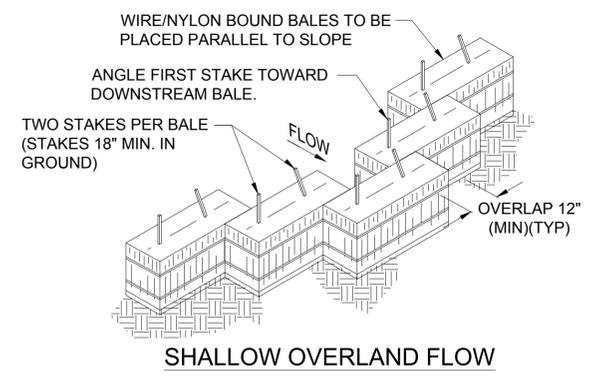
FILE NAME: P:\CD\1650-TULAC\2011\46800_rns_cad_rpsa\20_1650\10_1650\10_1650-10-c-701.dwg LAYOUT NAME: Layout1 PLOTTED: Thursday, November 12, 2015 4:38pm USER: jacksonjr2



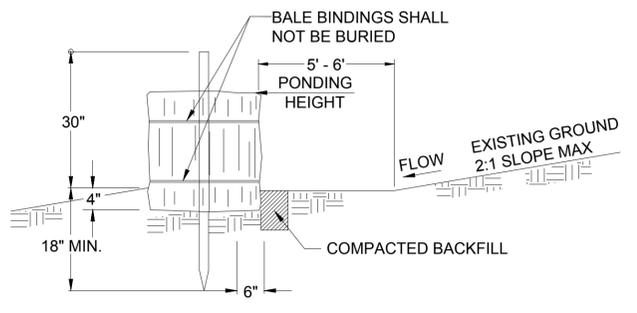
PLAN VIEW



BEDDING DETAIL



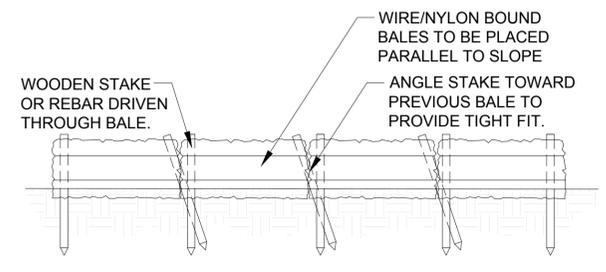
SHALLOW OVERLAND FLOW



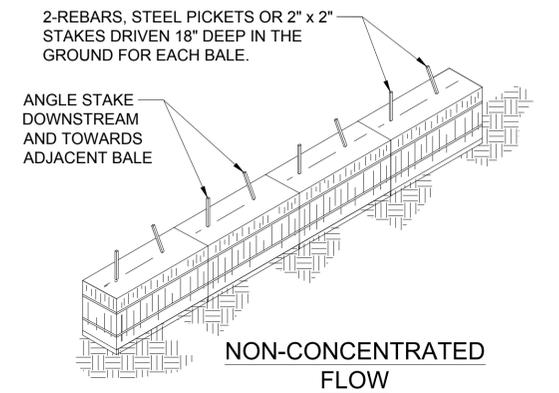
SECTION A

STRAW BALE BARRIER INSTALLATION

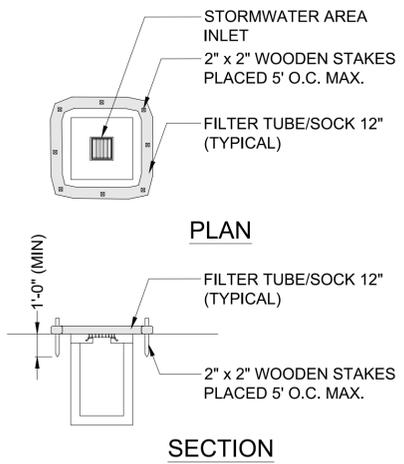
1 NOT TO SCALE



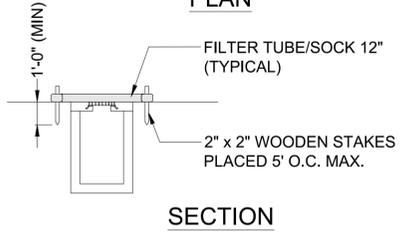
SECTION B



NON-CONCENTRATED FLOW



PLAN



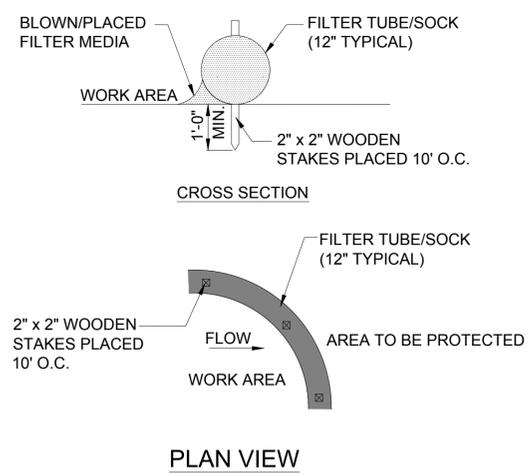
SECTION

NOTES:

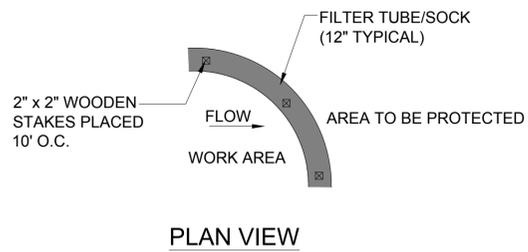
- ALL MATERIAL TO MEET FILTER TUBE/SOCK MANUFACTURERS SPECIFICATIONS.
- CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
- CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
- MAY TAKE THE PLACE OF STANDARD INLET PROTECTION AT THE DISCRETION OF THE CONTRACTOR WITH THE APPROVAL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

FILTER TUBE/SOCK RUNOFF INLET PROTECTION DETAIL

2 NOT TO SCALE



CROSS SECTION



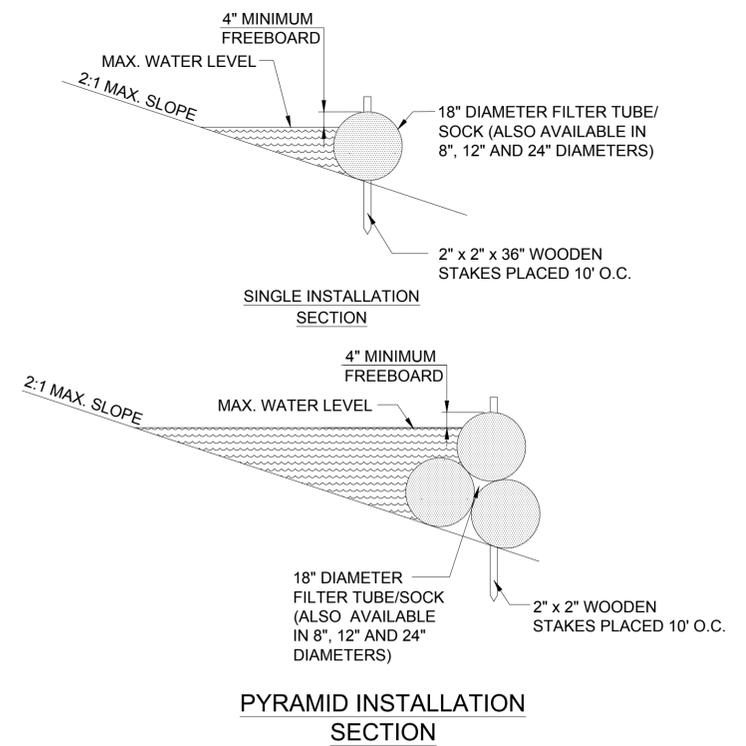
PLAN VIEW

NOTES:

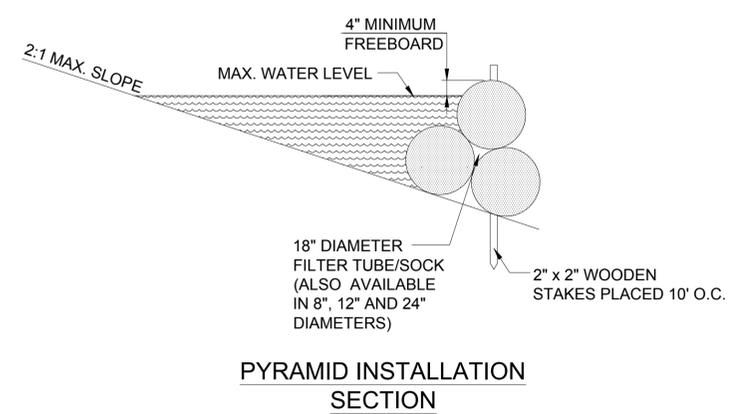
- ALL MATERIAL TO MEET FILTER TUBE/SOCK MANUFACTURERS SPECIFICATIONS.
- COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
- MAY TAKE THE PLACE OF SILT FENCE AT THE DISCRETION OF THE CONTRACTOR WITH THE APPROVAL FROM THE ENGINEER.
- WHERE FILTER TUBES/SOCKS ARE LOCATED ON PAVED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

FILTER TUBE/SOCK SEDIMENT CONTROL INSTALLATION DETAIL

3 NOT TO SCALE



SINGLE INSTALLATION SECTION



PYRAMID INSTALLATION SECTION

FILTER TUBE/SOCK CHECK DAM SECTION DETAIL

4 NOT TO SCALE

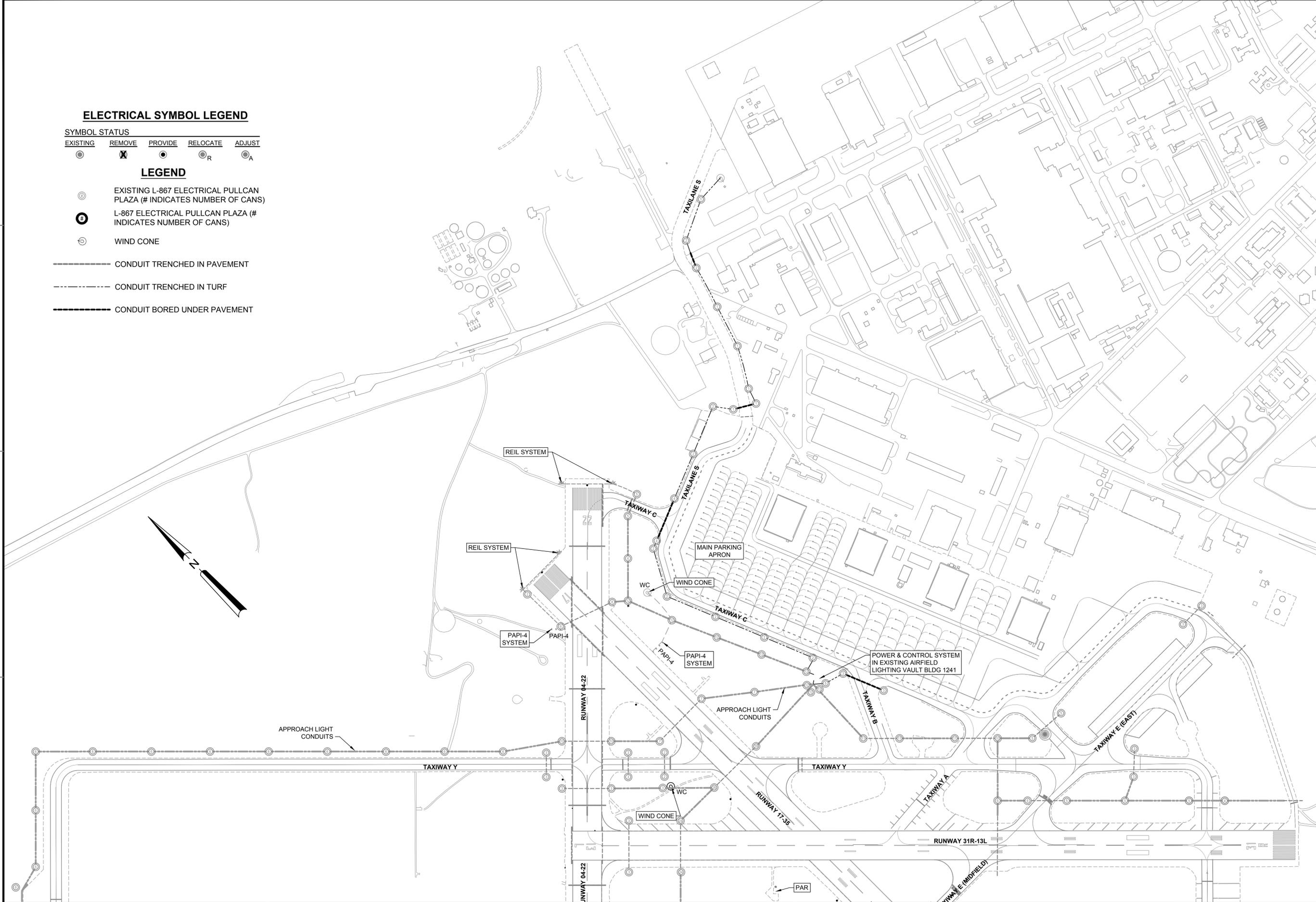
STRAW BALE DIKE INSTALLATION NOTES:

- 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 USEFULLNESS 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.

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| DATE | 6 NOV 2015 |
| SYMBOL | ISSUED FOR BID |
| DESCRIPTION | |
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| Delta Project No. 14072-CE-003 | |
| APPROVED | |
| FOR COMMANDER NAVFAC | |
| ACTIVITY | |
| SATISFACTORY TO DATE | |
| DES | LRE |
| DRW | JMJ |
| 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 TAXILANE 'S' | |
| EROSION CONTROL DETAILS SHEET 2 OF 2 | |
| SCALE | AS NOTED |
| PROJECT NO. | |
| CONSTR. CONTR. NO. | |
| NAVFAC DRAWING NO. | 15098393 |
| SHEET | 26 OF 43 |
| C-702 | |
| <small>DRAWING REVISION: 5 APRIL 2012</small> | |

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FILE NAME: N:\14072\04 CAD\10-TAXIWAY 5\14580-10-ES101.dwg LAYOUT NAME: ES101 PLOTTED: Wednesday, November 11, 2015 - 10:10am USER: nrm

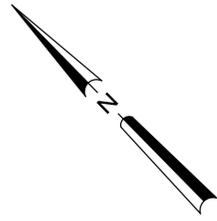


ELECTRICAL SYMBOL LEGEND

| SYMBOL STATUS | | | | |
|---------------|--------|---------|----------------|----------------|
| EXISTING | REMOVE | PROVIDE | RELOCATE | ADJUST |
| ○ | ⊗ | ● | ⊙ _R | ⊙ _A |

LEGEND

- EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊕ L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊙ WIND CONE
- CONDUIT TRENCHED IN PAVEMENT
- - - CONDUIT TRENCHED IN TURF
- CONDUIT BORED UNDER PAVEMENT



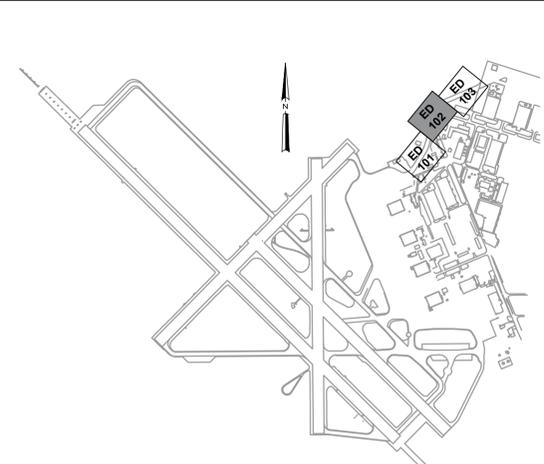
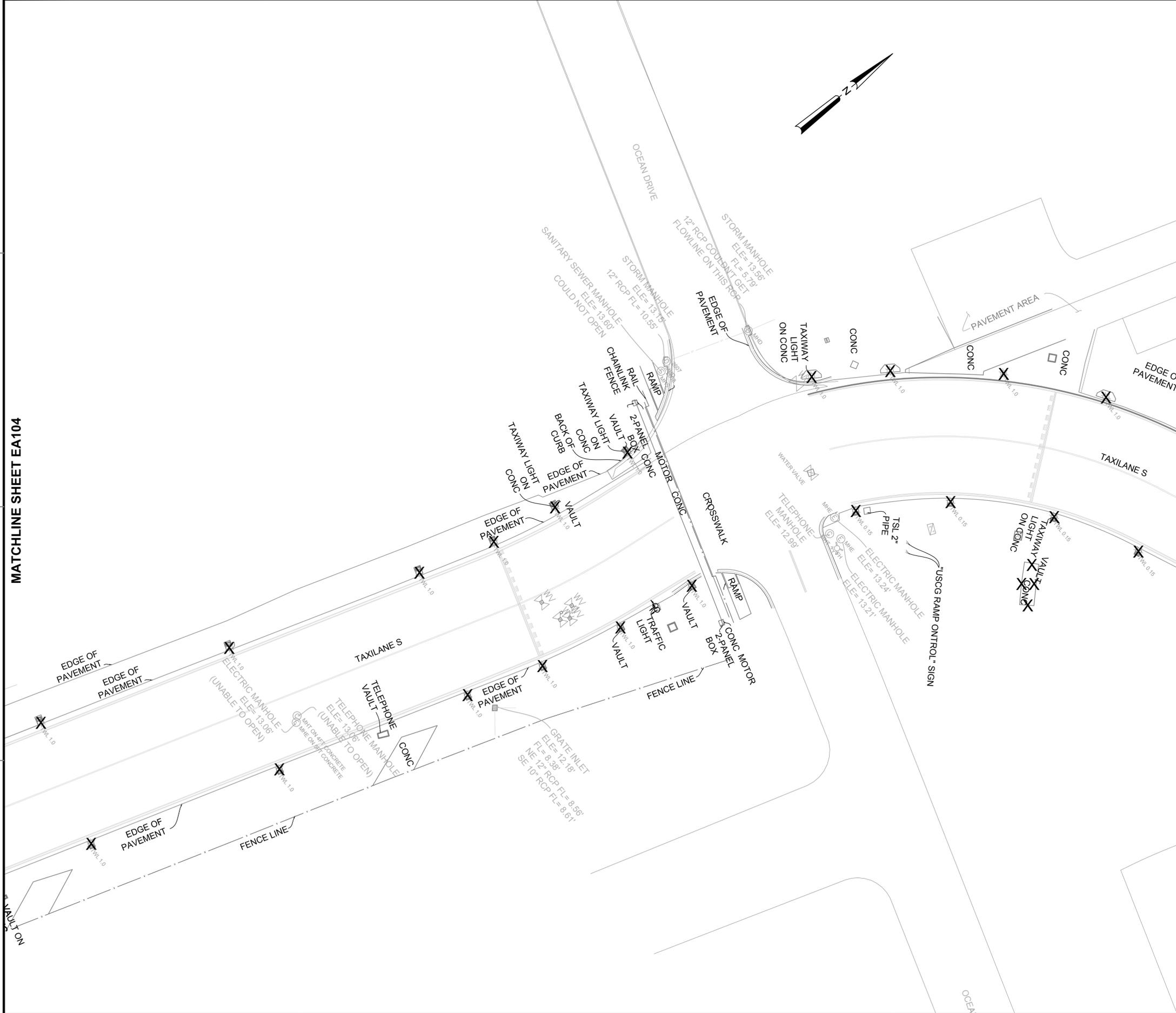
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| <p>APPROVED</p> <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE</p> <p>DES EFC DRW MRM CHK JMM</p> <p>PROJECT MANAGER</p> <p>PT TECH BRANCH HEAD</p> <p>CHIEF ENGINEER (CORE)</p> | |
| <p>DEPARTMENT OF THE NAVY</p> <p>NAVAL FACILITIES 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>TAXILANE S</p> | <p>CORPUS CHRISTI, TEXAS</p> <p>HOMERUN & NAVID PLAN</p> |
| <p>SCALE: 1" = 30'</p> <p>PROJECT NO: 15098394</p> <p>CONSTR. CONTR. NO.</p> <p>NAVFAC DRAWING NO. 15098394</p> <p>SHEET 27 OF 43</p> <p>ES101</p> <p><small>DRAWING REVISION: 5 APRIL 2012</small></p> | |

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FILE NAME: N:\14072\04 CAD\10-TAXILANE S\14580-10-ED102.dwg PLOTTED: Wednesday, November 11, 2015 - 10:10am USER: nrm



ELECTRICAL SYMBOL LEGEND

| SYMBOL STATUS | | | | |
|---------------|--------|-----|----------|--------|
| EXISTING | REMOVE | NEW | RELOCATE | ADJUST |
| | | | | |

LEGEND

- EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- PROPOSED L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- PROPOSED WIND CONE
- L-858 (L) AIRFIELD GUIDANCE SIGN
- L-861T (L) BASE MOUNTED MITL
- L-852T(L) IN-PAVEMENT MITL
- CONDUIT TRENCHED IN PAVEMENT
- CONDUIT TRENCHED IN TURF
- CONDUIT BORED UNDER PAVEMENT

NOTES

- IN-PAVEMENT FIXTURE MUST BE REMOVED, INCLUDING TRANSFORMER, CABLES, ETC. SEE E-503 DETAILS FOR PATCHING/REPAIR DETAIL.
- THE EXISTING GROUNDING POINTS & CONCRETE ENCASUREMENT MUST BE COMPLETELY REMOVED TO A DEPTH OF 6" MINIMUM & PATCHED WITH BITUMINOUS SURFACE COURSE IN 2" MAX. COMPACTED LIFTS. PRIOR TO BACKFILLING WITH ASPHALT, CORE THE EXISTING PAVEMENT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE ON ALL SIDES. PRIOR TO BACKFILLING, APPLY A BITUMINOUS PRIME COAT ON ALL PAVEMENT SURFACE AT A RATE OF ~0.15 GALLONS PER SQ.YD.
- 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-503.



MATCHLINE SHEET EA104

MATCHLINE SHEET EA106

| | |
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| | DATE: 6 NOV 15 |
| | ISSUED FOR BID |
| | DESCRIPTION |
| | 0 |

NAVFAC

leidos

LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
THE WOODS, TEXAS

DELTA AIRPORT CONSULTANTS, INC.

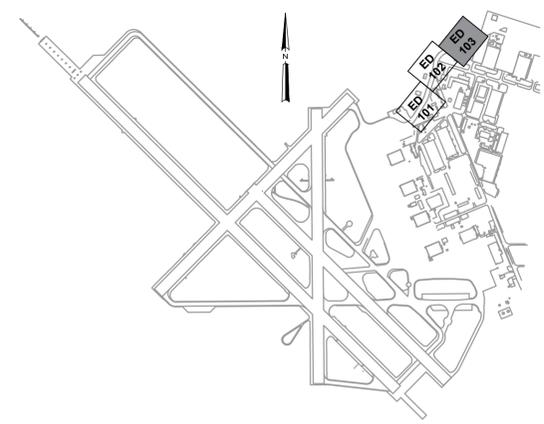
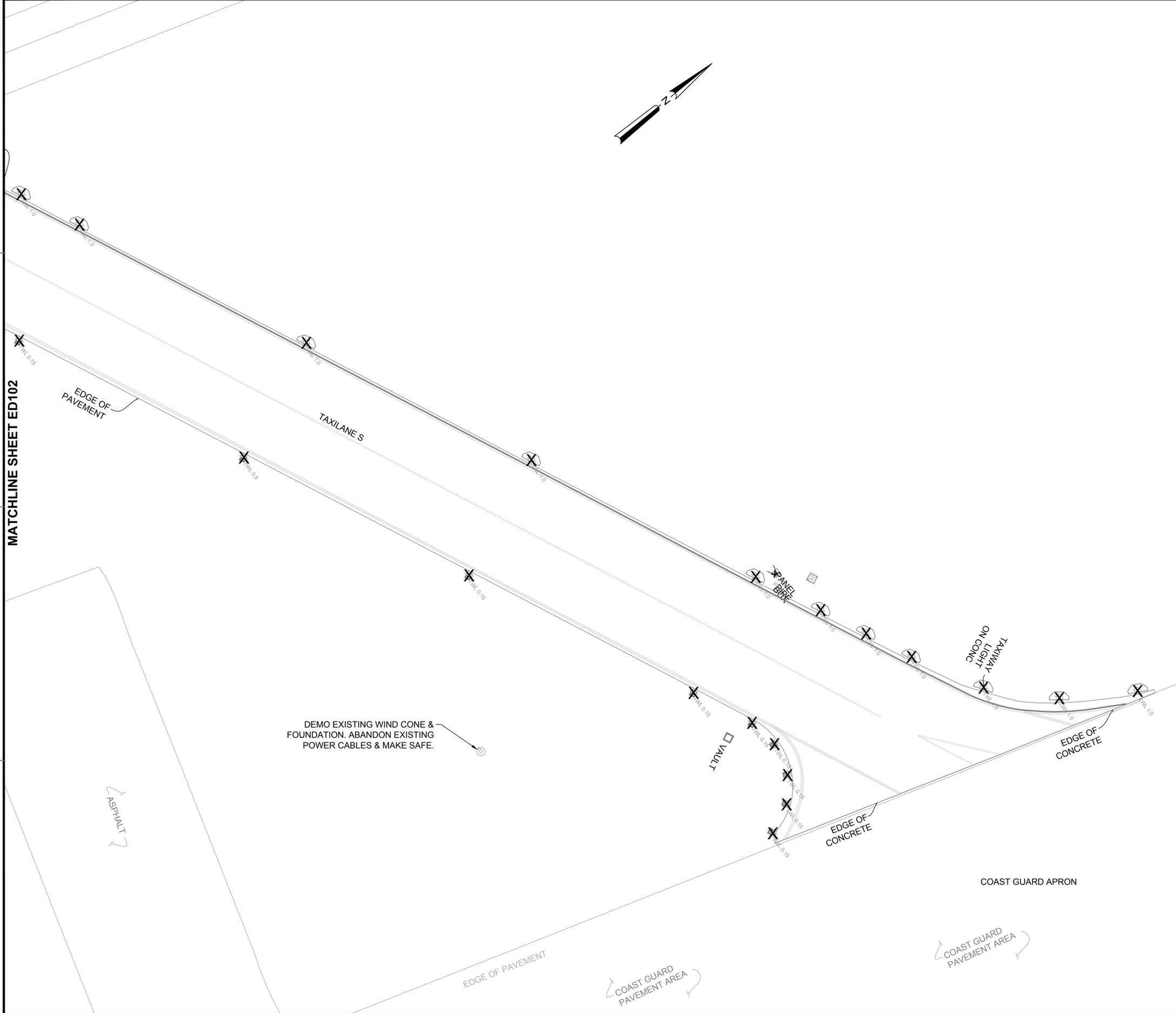
9711 Foster Court, Suite 100
Richmond, Virginia 23234
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltaairportconsultants.com
Delta Project No. 14072 AE-WF

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| 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 AIR STATION JACKSONVILLE CHIEF CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXILANE S | ELECTRICAL DEMOLITION PLAN 2 OF 3 |
|--|-----------------------------------|

| |
|---------------------------------|
| SCALE: 1" = 30' |
| PROJECT NO.: |
| CONSTR. CONTR. NO.: |
| NAVFAC DRAWING NO. 15098396 |
| SHEET 29 OF 43 |
| ED102 |
| DRAWFORM REVISION: 5 APRIL 2012 |

FILE NAME: N:\14072\04 CAD\10-TAXIWAY 5\14580-10-ED103.dwg LAYOUT NAME: EAD03 PLOTTED: Wednesday, November 11, 2015 - 10:10am USER: nrm



ELECTRICAL SYMBOL LEGEND

SYMBOL STATUS

| EXISTING | REMOVE | NEW | RELOCATE | ADJUST |
|----------|--------|-----|----------------|----------------|
| ⊗ | ⊗ | ⊙ | ⊙ _R | ⊙ _A |

LEGEND

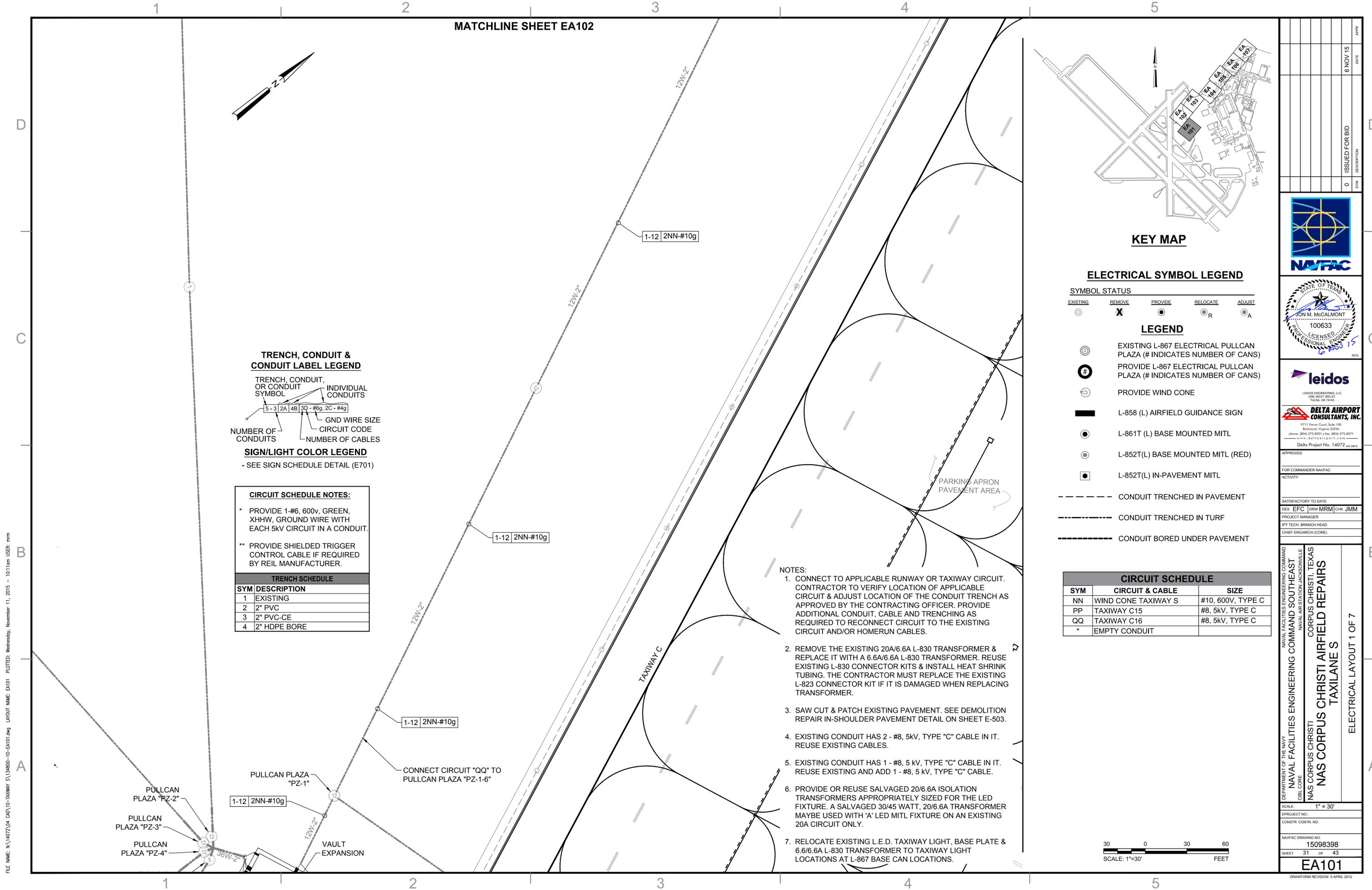
- ⊗ EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- # PROPOSED L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊗ PROPOSED WIND CONE
- █ L-858 (L) AIRFIELD GUIDANCE SIGN
- ⊙ L-861T (L) BASE MOUNTED MITL
- ⊙ L-852T(L) IN-PAVEMENT MITL
-
-
-

NOTES

1. IN-PAVEMENT FIXTURE MUST BE REMOVED, INCLUDING TRANSFORMER, CABLES, ETC. SEE E-503 DETAILS FOR PATCHING/REPAIR DETAIL.
2. THE EXISTING GROUNDING POINTS & CONCRETE ENCASUREMENT MUST BE COMPLETELY REMOVED TO A DEPTH OF 6" MINIMUM & PATCHED WITH BITUMINOUS SURFACE COURSE IN 2" MAX. COMPACTED LIFTS. PRIOR TO BACKFILLING WITH ASPHALT, CORE THE EXISTING PAVEMENT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE ON ALL SIDES. PRIOR TO BACKFILLING, APPLY A BITUMINOUS PRIME COAT ON ALL PAVEMENT SURFACE AT A RATE OF ~0.15 GALLONS PER SQ.YD.
3. 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-503.



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| | DATE: 6 NOV 15 |
| | ISSUED FOR BID |
| | DESCRIPTION |
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| 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 TAXILANE S | ELECTRICAL DEMOLITION PLAN 3 OF 3 |
| SCALE: 1" = 30' PROJECT NO.: CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 15098397 SHEET 30 OF 43 ED103 <small>DRAWFORM REVISION: 5 APRIL 2012</small> | |



MATCHLINE SHEET EA102



TRENCH, CONDUIT & CONDUIT LABEL LEGEND

TRENCH, CONDUIT, OR CONDUIT SYMBOL

INDIVIDUAL CONDUITS

GND WIRE SIZE

CIRCUIT CODE

NUMBER OF CABLES

SIGN/LIGHT COLOR LEGEND

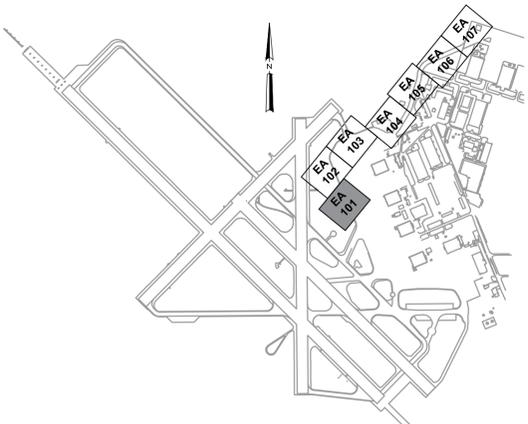
- SEE SIGN SCHEDULE DETAIL (E701)

CIRCUIT SCHEDULE NOTES:

- * PROVIDE 1-#6, 600v, GREEN, XHHW, GROUND WIRE WITH EACH 5kV CIRCUIT IN A CONDUIT.
- ** PROVIDE SHIELDED TRIGGER CONTROL CABLE IF REQUIRED BY REIL MANUFACTURER.

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

- NOTES:**
- CONNECT TO APPLICABLE RUNWAY OR TAXIWAY CIRCUIT. CONTRACTOR TO VERIFY LOCATION OF APPLICABLE CIRCUIT & ADJUST LOCATION OF THE CONDUIT TRENCH AS APPROVED BY THE CONTRACTING OFFICER. PROVIDE ADDITIONAL CONDUIT, CABLE AND TRENCHING AS REQUIRED TO RECONNECT CIRCUIT TO THE EXISTING CIRCUIT AND/OR HOMERUN CABLES.
 - REMOVE THE EXISTING 20A/6.6A L-830 TRANSFORMER & REPLACE IT WITH A 6.6A/6.6A L-830 TRANSFORMER. REUSE EXISTING L-830 CONNECTOR KITS & INSTALL HEAT SHRINK TUBING. THE CONTRACTOR MUST REPLACE THE EXISTING L-823 CONNECTOR KIT IF IT IS DAMAGED WHEN REPLACING TRANSFORMER.
 - SAW CUT & PATCH EXISTING PAVEMENT. SEE DEMOLITION REPAIR IN-SHOULDER PAVEMENT DETAIL ON SHEET E-503.
 - EXISTING CONDUIT HAS 2 - #8, 5kV, TYPE "C" CABLE IN IT. REUSE EXISTING CABLES.
 - EXISTING CONDUIT HAS 1 - #8, 5 kV, TYPE "C" CABLE IN IT. REUSE EXISTING AND ADD 1 - #8, 5 kV, TYPE "C" CABLE.
 - PROVIDE OR REUSE SALVAGED 20/6.6A ISOLATION TRANSFORMERS APPROPRIATELY SIZED FOR THE LED FIXTURE. A SALVAGED 30/45 WATT, 20/6.6A TRANSFORMER MAYBE USED WITH 'A' LED MITL FIXTURE ON AN EXISTING 20A CIRCUIT ONLY.
 - RELOCATE EXISTING L.E.D. TAXIWAY LIGHT, BASE PLATE & 6.6/6.6A L-830 TRANSFORMER TO TAXIWAY LIGHT LOCATIONS AT L-867 BASE CAN LOCATIONS.



ELECTRICAL SYMBOL LEGEND

SYMBOL STATUS

EXISTING REMOVE PROVIDE RELOCATE ADJUST

⊙ ⊗ ⊙ ⊙ ⊙

LEGEND

- ⊙ EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊗ PROVIDE L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊙ PROVIDE WIND CONE
- █ L-858 (L) AIRFIELD GUIDANCE SIGN
- ⊙ L-861T (L) BASE MOUNTED MITL
- ⊙ L-852T(L) BASE MOUNTED MITL (RED)
- ⊙ L-852T(L) IN-PAVEMENT MITL
- CONDUIT TRENCHED IN PAVEMENT
- CONDUIT TRENCHED IN TURF
- CONDUIT BORED UNDER PAVEMENT

| CIRCUIT SCHEDULE | | |
|------------------|---------------------|-------------------|
| SYM | CIRCUIT & CABLE | SIZE |
| NN | WIND CONE TAXIWAY S | #10, 600V, TYPE C |
| PP | TAXIWAY C15 | #8, 5kV, TYPE C |
| QQ | TAXIWAY C16 | #8, 5kV, TYPE C |
| * | EMPTY CONDUIT | |



| | | | |
|----------------|---|------|----------|
| ISSUED FOR BID | 0 | DATE | 6 NOV 15 |
| DESCRIPTION | | | |

9711 Foster Court, Suite 100
Richmond, Virginia 23234
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltairport.com
Delta Project No. 14072 A&E&P

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 SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
CIBL CORE
NAS CORPUS CHRISTI, TEXAS
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
TAXILANE S
ELECTRICAL LAYOUT 1 OF 7

SCALE: 1" = 30'

EPROJECT NO.:

CONSTR. CONTR. NO.:

NAVFAC DRAWING NO. 15098398

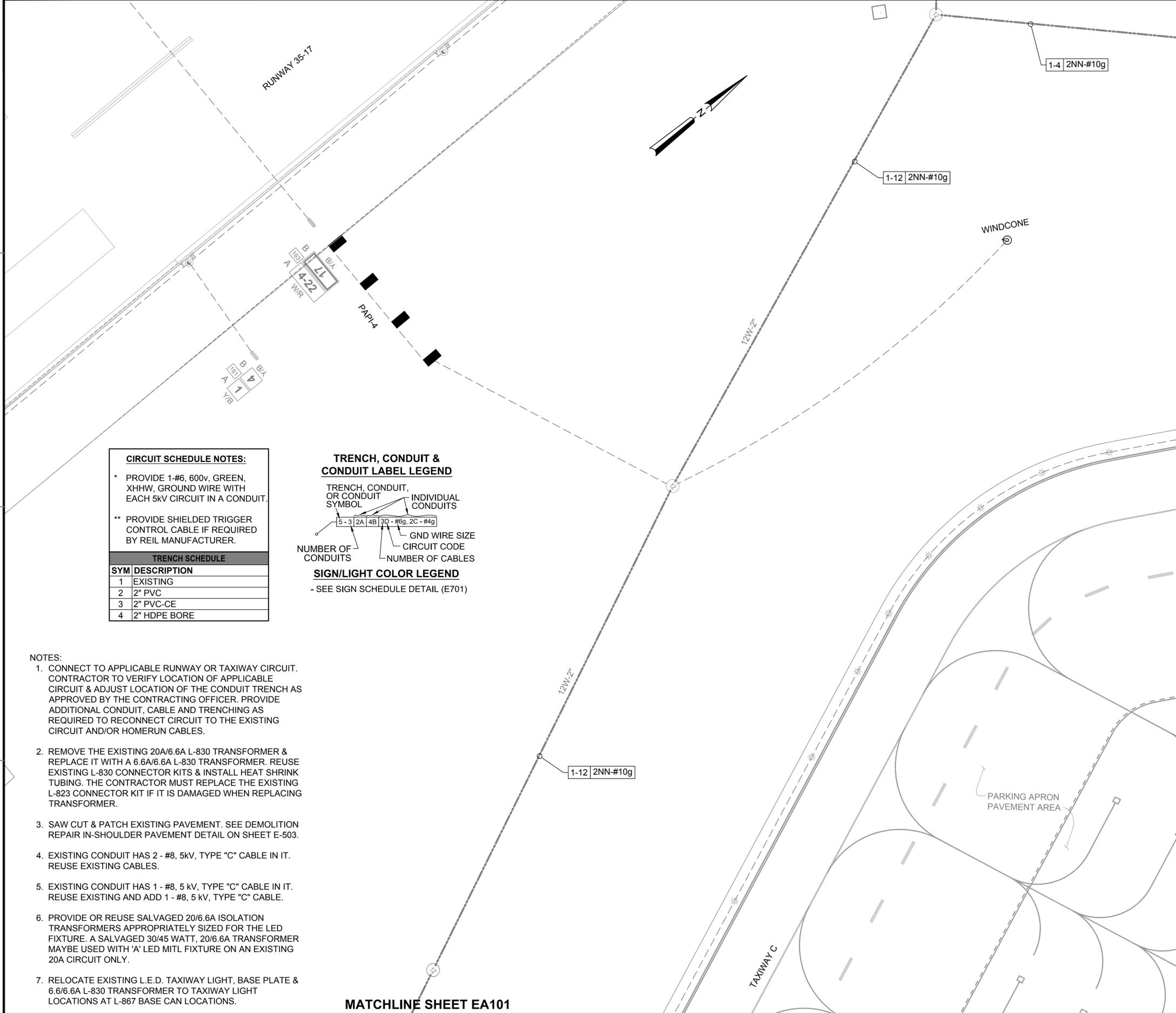
SHEET 31 OF 43

EA101

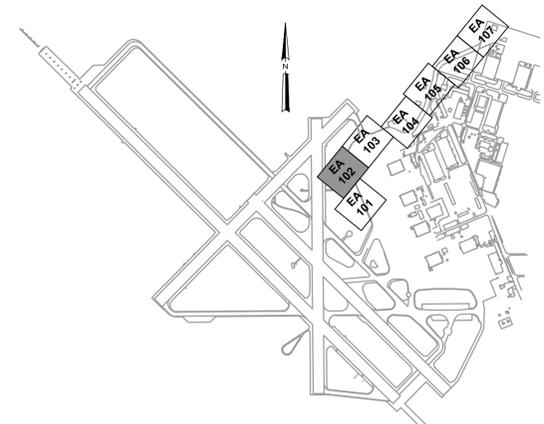
DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD\10-TAXIWAY S\14080-10-EA101.dwg PLOTTED: Wednesday, November 11, 2015 - 10:11am USER: nrm

FILE NAME: N:\14072\04 CAD\10-TAXIWAY S\14580-10-EA102.dwg PLOTTED: Wednesday, November 11, 2015 - 10:11am USER: nmm



MATCHLINE SHEET EA103



KEY MAP

ELECTRICAL SYMBOL LEGEND

SYMBOL STATUS

| | | | | |
|----------|--------|---------|----------|--------|
| EXISTING | REMOVE | PROVIDE | RELOCATE | ADJUST |
| | | | | |

LEGEND

- EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- PROVIDE L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- PROVIDE WIND CONE
- L-858 (L) AIRFIELD GUIDANCE SIGN
- L-861T (L) BASE MOUNTED MITL
- L-852T(L) BASE MOUNTED MITL (RED)
- L-852T(L) IN-PAVEMENT MITL

- CONDUIT TRENCHED IN PAVEMENT
- CONDUIT TRENCHED IN TURF
- CONDUIT BORED UNDER PAVEMENT

| CIRCUIT SCHEDULE | | |
|------------------|---------------------|-------------------|
| SYM | CIRCUIT & CABLE | SIZE |
| NN | WIND CONE TAXIWAY S | #10, 600V, TYPE C |
| PP | TAXIWAY C15 | #8, 5kV, TYPE C |
| QQ | TAXIWAY C16 | #8, 5kV, TYPE C |
| * | EMPTY CONDUIT | |



CIRCUIT SCHEDULE NOTES:

* PROVIDE 1-#6, 600v, GREEN, XHHW, GROUND WIRE WITH EACH 5KV CIRCUIT IN A CONDUIT.

** PROVIDE SHIELDED TRIGGER CONTROL CABLE IF REQUIRED BY REIL MANUFACTURER.

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

TRENCH, CONDUIT & CONDUIT LABEL LEGEND

TRENCH, CONDUIT, OR CONDUIT SYMBOL

INDIVIDUAL CONDUITS

NUMBER OF CONDUITS

NUMBER OF CABLES

GND WIRE SIZE

CIRCUIT CODE

SIGN/LIGHT COLOR LEGEND

- SEE SIGN SCHEDULE DETAIL (E701)

- NOTES:**
- CONNECT TO APPLICABLE RUNWAY OR TAXIWAY CIRCUIT. CONTRACTOR TO VERIFY LOCATION OF APPLICABLE CIRCUIT & ADJUST LOCATION OF THE CONDUIT TRENCH AS APPROVED BY THE CONTRACTING OFFICER. PROVIDE ADDITIONAL CONDUIT, CABLE AND TRENCHING AS REQUIRED TO RECONNECT CIRCUIT TO THE EXISTING CIRCUIT AND/OR HOMERUN CABLES.
 - REMOVE THE EXISTING 20A/6.6A L-830 TRANSFORMER & REPLACE IT WITH A 6.6A/6.6A L-830 TRANSFORMER. REUSE EXISTING L-830 CONNECTOR KITS & INSTALL HEAT SHRINK TUBING. THE CONTRACTOR MUST REPLACE THE EXISTING L-823 CONNECTOR KIT IF IT IS DAMAGED WHEN REPLACING TRANSFORMER.
 - SAW CUT & PATCH EXISTING PAVEMENT. SEE DEMOLITION REPAIR IN-SHOULDER PAVEMENT DETAIL ON SHEET E-503.
 - EXISTING CONDUIT HAS 2 - #8, 5KV, TYPE "C" CABLE IN IT. REUSE EXISTING CABLES.
 - EXISTING CONDUIT HAS 1 - #8, 5 kV, TYPE "C" CABLE IN IT. REUSE EXISTING AND ADD 1 - #8, 5 kV, TYPE "C" CABLE.
 - PROVIDE OR REUSE SALVAGED 20/6.6A ISOLATION TRANSFORMERS APPROPRIATELY SIZED FOR THE LED FIXTURE. A SALVAGED 30/45 WATT, 20/6.6A TRANSFORMER MAYBE USED WITH 'A' LED MITL FIXTURE ON AN EXISTING 20A CIRCUIT ONLY.
 - RELOCATE EXISTING L.E.D. TAXIWAY LIGHT, BASE PLATE & 6.6/6.6A L-830 TRANSFORMER TO TAXIWAY LIGHT LOCATIONS AT L-867 BASE CAN LOCATIONS.

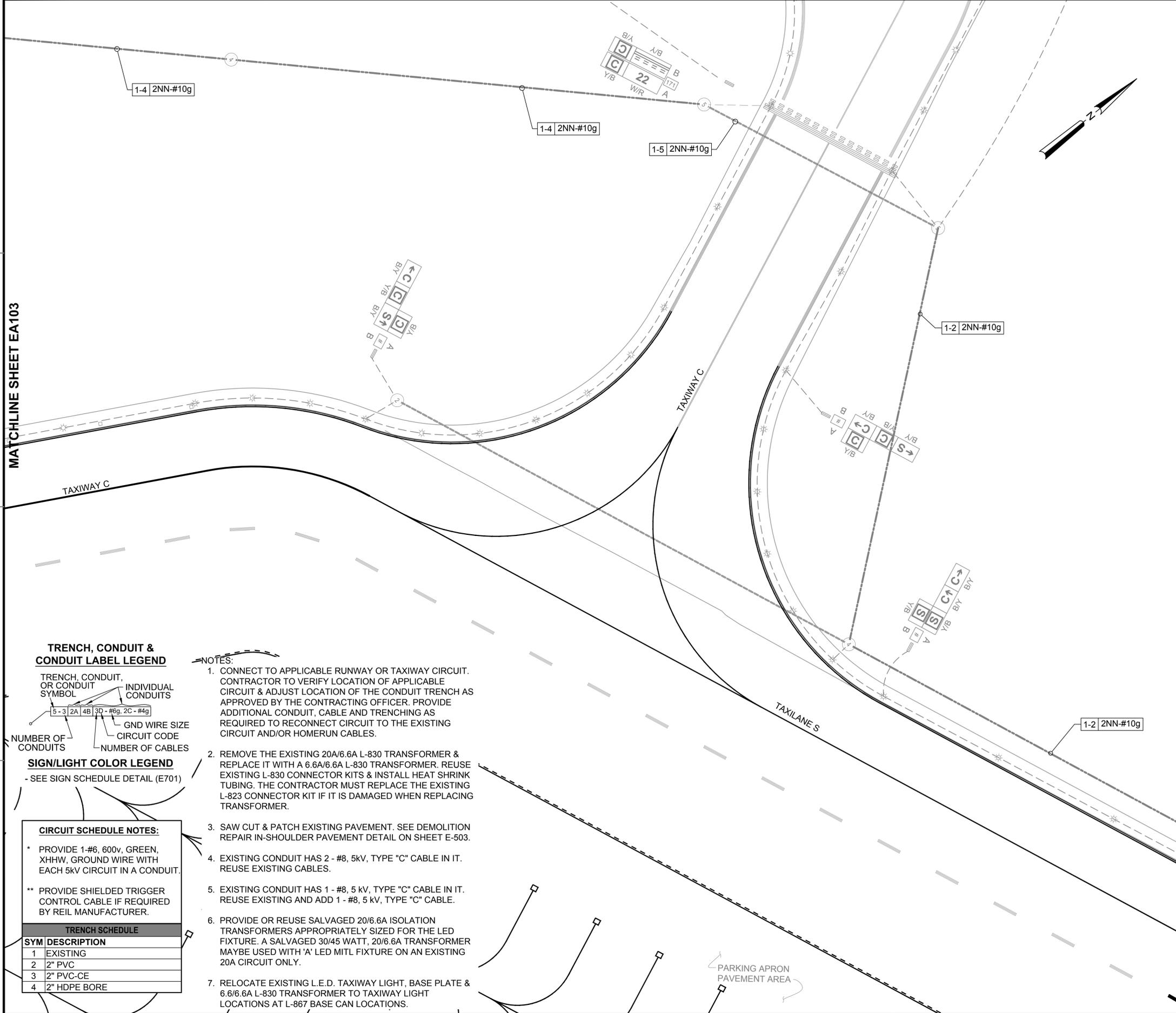
MATCHLINE SHEET EA101

| | |
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| | DATE: 6 NOV 15 |
| | ISSUED FOR BID |
| | 0 |
| | SYMBOL DESCRIPTION |
| | APPROVED |
| | FOR COMMANDER NAVFAC |
| | ACTIVITY |
| | SATISFACTORY TO DATE |
| | DES: EFC DRW: MRM CHK: JMM |
| | PROJECT MANAGER |
| | IPT TECH. BRANCH HEAD |
| | CHIEF ENGINEER (CORE) |
| | SCALE: 1" = 30' |
| | ELECTRICAL LAYOUT 2 OF 7 |
| | NAVFAC DRAWING NO: 15098399 |
| | SHEET 32 OF 43 |
| | EA102 |
| | DRAWING REVISION: 5 APRIL 2012 |



DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 SOUTH EAST
 NAVAL AIR STATION JACKSONVILLE
 CIBL CORE
 NAS CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXILANE S

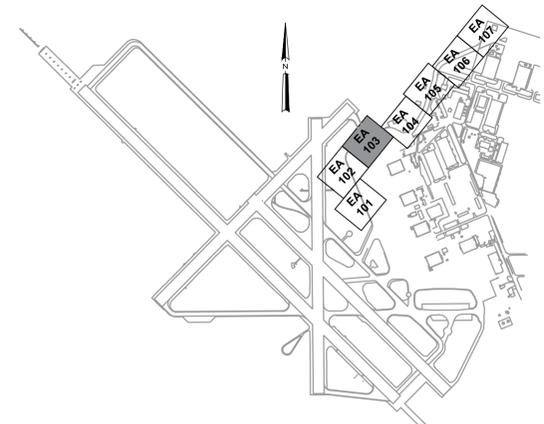
FILE NAME: N:\14072\04 CAD\10-TAXIWAY S\14072-10-EA103.dwg PLOTTED: Wednesday, November 11, 2015 - 10:11am USER: nmm



MATCHLINE SHEET EA104

MATCHLINE SHEET EA103

KEY MAP



ELECTRICAL SYMBOL LEGEND

SYMBOL STATUS

| | | | | |
|----------|--------|---------|----------------|----------------|
| EXISTING | REMOVE | PROVIDE | RELOCATE | ADJUST |
| ⊙ | ⊗ | ● | ⊙ _R | ⊙ _A |

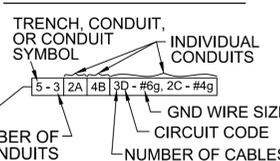
LEGEND

- ⊙ # EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊗ # PROVIDE L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊙ PROVIDE WIND CONE
- █ L-858 (L) AIRFIELD GUIDANCE SIGN
- L-861T (L) BASE MOUNTED MITL
- ⊙ L-852T(L) BASE MOUNTED MITL (RED)
- L-852T(L) IN-PAVEMENT MITL
- CONDUIT TRENCHED IN PAVEMENT
- CONDUIT TRENCHED IN TURF
- CONDUIT BORED UNDER PAVEMENT

CIRCUIT SCHEDULE

| SYM | CIRCUIT & CABLE | SIZE |
|-----|---------------------|-------------------|
| NN | WIND CONE TAXIWAY S | #10, 600V, TYPE C |
| PP | TAXIWAY C15 | #8, 5kV, TYPE C |
| QQ | TAXIWAY C16 | #8, 5kV, TYPE C |
| * | EMPTY CONDUIT | |

TRENCH, CONDUIT & CONDUIT LABEL LEGEND



SIGN/LIGHT COLOR LEGEND

- SEE SIGN SCHEDULE DETAIL (E701)

CIRCUIT SCHEDULE NOTES:

- * PROVIDE 1-#6, 600v, GREEN, XHHW, GROUND WIRE WITH EACH 5KV CIRCUIT IN A CONDUIT.
- ** PROVIDE SHIELDED TRIGGER CONTROL CABLE IF REQUIRED BY REIL MANUFACTURER.

TRENCH SCHEDULE

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

NOTES:

- CONNECT TO APPLICABLE RUNWAY OR TAXIWAY CIRCUIT. CONTRACTOR TO VERIFY LOCATION OF APPLICABLE CIRCUIT & ADJUST LOCATION OF THE CONDUIT TRENCH AS APPROVED BY THE CONTRACTING OFFICER. PROVIDE ADDITIONAL CONDUIT, CABLE AND TRENCHING AS REQUIRED TO RECONNECT CIRCUIT TO THE EXISTING CIRCUIT AND/OR HOMERUN CABLES.
- REMOVE THE EXISTING 20A/6.6A L-830 TRANSFORMER & REPLACE IT WITH A 6.6A/6.6A L-830 TRANSFORMER. REUSE EXISTING L-830 CONNECTOR KITS & INSTALL HEAT SHRINK TUBING. THE CONTRACTOR MUST REPLACE THE EXISTING L-823 CONNECTOR KIT IF IT IS DAMAGED WHEN REPLACING TRANSFORMER.
- SAW CUT & PATCH EXISTING PAVEMENT. SEE DEMOLITION REPAIR IN-SHOULDER PAVEMENT DETAIL ON SHEET E-503.
- EXISTING CONDUIT HAS 2 - #8, 5kV, TYPE "C" CABLE IN IT. REUSE EXISTING CABLES.
- EXISTING CONDUIT HAS 1 - #8, 5 kV, TYPE "C" CABLE IN IT. REUSE EXISTING AND ADD 1 - #8, 5 kV, TYPE "C" CABLE.
- PROVIDE OR REUSE SALVAGED 20/6.6A ISOLATION TRANSFORMERS APPROPRIATELY SIZED FOR THE LED FIXTURE. A SALVAGED 30/45 WATT, 20/6.6A TRANSFORMER MAYBE USED WITH 'A' LED MITL FIXTURE ON AN EXISTING 20A CIRCUIT ONLY.
- RELOCATE EXISTING L.E.D. TAXIWAY LIGHT, BASE PLATE & 6.6/6.6A L-830 TRANSFORMER TO TAXIWAY LIGHT LOCATIONS AT L-867 BASE CAN LOCATIONS.

| | | | |
|--------------------|---|------|----------|
| ISSUED FOR BID | 0 | DATE | 6 NOV 15 |
| SYMBOL DESCRIPTION | | | |

leidos
LEIDOS ENGINEERING, LLC
ONE WEST 3RD ST.
THE DAIRY CREEK

DELTA AIRPORT CONSULTANTS, INC.
9711 Foster Court, Suite 100
Richmond, Virginia 23234
phone: (804) 275-8301 • fax: (804) 275-8371
www.deltairport.com
Delta Project No. 14072 A&E RFP

APPROVED FOR COMMANDER NAVFAC

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 SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
CIBL CORE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXILANE S
ELECTRICAL LAYOUT 3 OF 7

SCALE: 1" = 30'

PROJECT NO.: 15098400

CONSTR. CONTR. NO.:

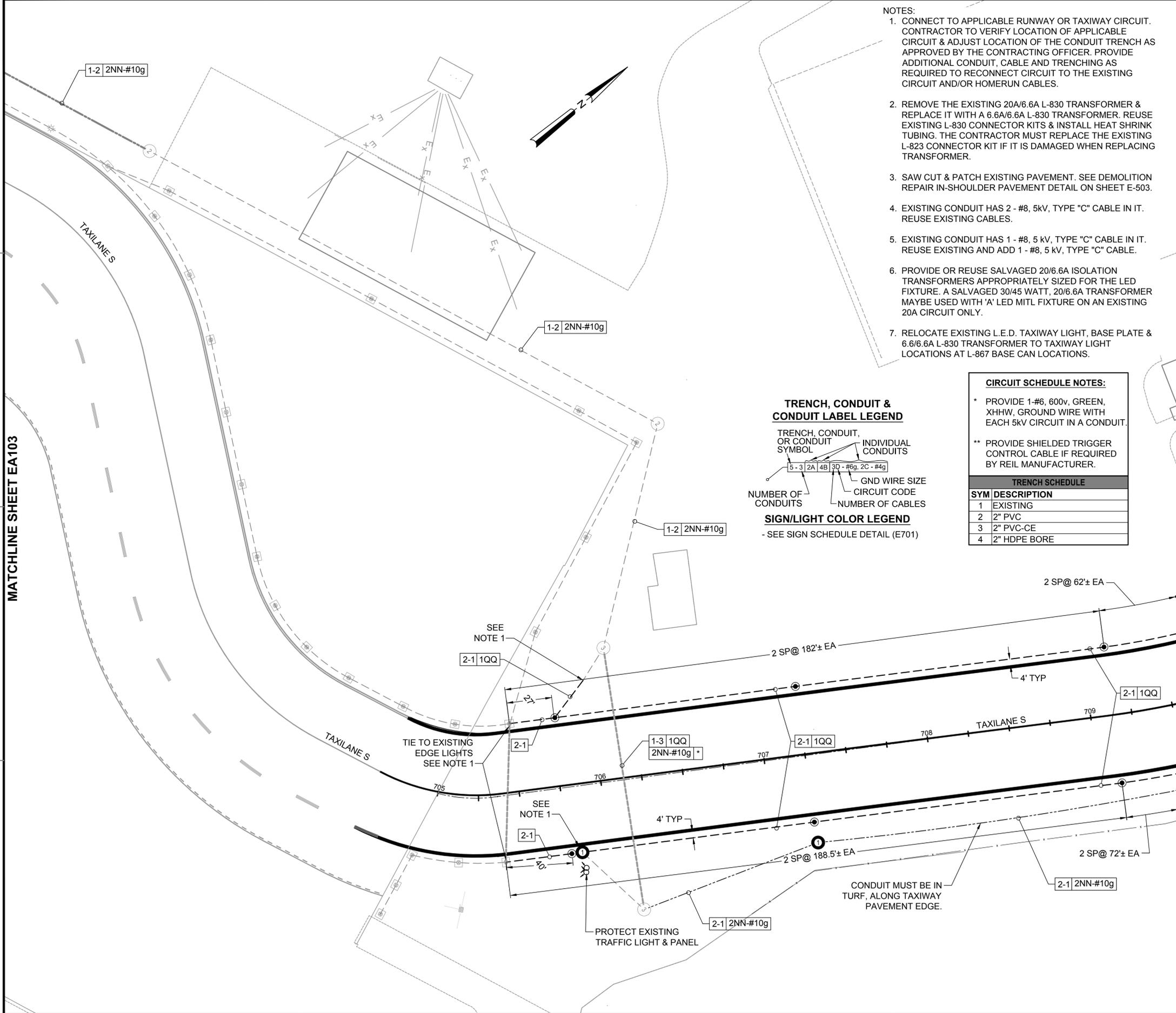
NAVFAC DRAWING NO. 15098400

SHEET 33 OF 43

EA103

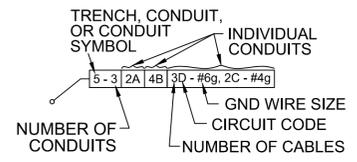
DRAWING REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD\10-TAXIWAY S\14072-10-EA104.dwg PLOTTED: Wednesday, November 11, 2015 - 10:25am USER: nmm



- NOTES:**
- CONNECT TO APPLICABLE RUNWAY OR TAXIWAY CIRCUIT. CONTRACTOR TO VERIFY LOCATION OF APPLICABLE CIRCUIT & ADJUST LOCATION OF THE CONDUIT TRENCH AS APPROVED BY THE CONTRACTING OFFICER. PROVIDE ADDITIONAL CONDUIT, CABLE AND TRENCHING AS REQUIRED TO RECONNECT CIRCUIT TO THE EXISTING CIRCUIT AND/OR HOMERUN CABLES.
 - REMOVE THE EXISTING 20A/6.6A L-830 TRANSFORMER & REPLACE IT WITH A 6.6A/6.6A L-830 TRANSFORMER. REUSE EXISTING L-830 CONNECTOR KITS & INSTALL HEAT SHRINK TUBING. THE CONTRACTOR MUST REPLACE THE EXISTING L-823 CONNECTOR KIT IF IT IS DAMAGED WHEN REPLACING TRANSFORMER.
 - SAW CUT & PATCH EXISTING PAVEMENT. SEE DEMOLITION REPAIR IN-SHOULDER PAVEMENT DETAIL ON SHEET E-503.
 - EXISTING CONDUIT HAS 2 - #8, 5KV, TYPE "C" CABLE IN IT. REUSE EXISTING CABLES.
 - EXISTING CONDUIT HAS 1 - #8, 5 KV, TYPE "C" CABLE IN IT. REUSE EXISTING AND ADD 1 - #8, 5 KV, TYPE "C" CABLE.
 - PROVIDE OR REUSE SALVAGED 20/6.6A ISOLATION TRANSFORMERS APPROPRIATELY SIZED FOR THE LED FIXTURE. A SALVAGED 30/45 WATT, 20/6.6A TRANSFORMER MAYBE USED WITH 'A' LED MITL FIXTURE ON AN EXISTING 20A CIRCUIT ONLY.
 - RELOCATE EXISTING L.E.D. TAXIWAY LIGHT, BASE PLATE & 6.6/6.6A L-830 TRANSFORMER TO TAXIWAY LIGHT LOCATIONS AT L-867 BASE CAN LOCATIONS.

TRENCH, CONDUIT & CONDUIT LABEL LEGEND

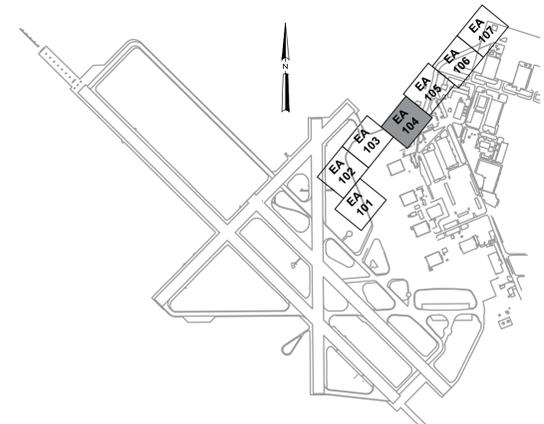


SIGN/LIGHT COLOR LEGEND
- SEE SIGN SCHEDULE DETAIL (E701)

CIRCUIT SCHEDULE NOTES:

- * PROVIDE 1-#6, 600v, GREEN, XHHW, GROUND WIRE WITH EACH 5KV CIRCUIT IN A CONDUIT.
- ** PROVIDE SHIELDED TRIGGER CONTROL CABLE IF REQUIRED BY REIL MANUFACTURER.

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



KEY MAP

ELECTRICAL SYMBOL LEGEND

SYMBOL STATUS



LEGEND

- EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- PROVIDE L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- PROVIDE WIND CONE
- L-858 (L) AIRFIELD GUIDANCE SIGN
- L-861T (L) BASE MOUNTED MITL
- L-852T(L) BASE MOUNTED MITL (RED)
- L-852T(L) IN-PAVEMENT MITL
- CONDUIT TRENCHED IN PAVEMENT
- CONDUIT TRENCHED IN TURF
- CONDUIT BORED UNDER PAVEMENT

CIRCUIT SCHEDULE

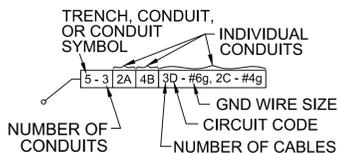
| SYM | CIRCUIT & CABLE | SIZE |
|-----|---------------------|-------------------|
| NN | WIND CONE TAXIWAY S | #10, 600V, TYPE C |
| PP | TAXIWAY C15 | #8, 5KV, TYPE C |
| QQ | TAXIWAY C16 | #8, 5KV, TYPE C |
| * | EMPTY CONDUIT | |



| | |
|---|----------|
| DATE | 6 NOV 15 |
| ISSUED FOR BID | 0 |
| DESCRIPTION | |
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| | |
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| | |
| <p>9711 Foster Court, Suite 100 Richmond, Virginia 23234 phone: (804) 275-8301 • fax: (804) 275-8371 www.deltairport.com Delta Project No. 14072 A&B&C</p> | |
| APPROVED | |
| FOR COMMANDER NAVFAC | |
| ACTIVITY | |
| SATISFACTORY TO DATE | |
| DES EFC DRW MRM CHK JMM | |
| PROJECT MANAGER | |
| IP/T TECH BRANCH HEAD | |
| CHIEF ENGINEER (CORE) | |
| <p>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 TAXILANE S ELECTRICAL LAYOUT 4 OF 7</p> | |
| SCALE: | 1" = 30' |
| EPROJECT NO.: | |
| CONSTR. CONTR. NO. | |
| NAVFAC DRAWING NO. | 15098401 |
| SHEET | 34 OF 43 |
| EA104 | |
| DRAWFORM REVISION: 5 APRIL 2012 | |

- NOTES:
- CONNECT TO APPLICABLE RUNWAY OR TAXIWAY CIRCUIT. CONTRACTOR TO VERIFY LOCATION OF APPLICABLE CIRCUIT & ADJUST LOCATION OF THE CONDUIT TRENCH AS APPROVED BY THE CONTRACTING OFFICER. PROVIDE ADDITIONAL CONDUIT, CABLE AND TRENCHING AS REQUIRED TO RECONNECT CIRCUIT TO THE EXISTING CIRCUIT AND/OR HOMERUN CABLES.
 - REMOVE THE EXISTING 20A/6.6A L-830 TRANSFORMER & REPLACE IT WITH A 6.6A/6.6A L-830 TRANSFORMER. REUSE EXISTING L-830 CONNECTOR KITS & INSTALL HEAT SHRINK TUBING. THE CONTRACTOR MUST REPLACE THE EXISTING L-823 CONNECTOR KIT IF IT IS DAMAGED WHEN REPLACING TRANSFORMER.
 - SAW CUT & PATCH EXISTING PAVEMENT. SEE DEMOLITION REPAIR IN-SHOULDER PAVEMENT DETAIL ON SHEET E-503.
 - EXISTING CONDUIT HAS 2 - #8, 5kV, TYPE "C" CABLE IN IT. REUSE EXISTING CABLES.
 - EXISTING CONDUIT HAS 1 - #8, 5 kV, TYPE "C" CABLE IN IT. REUSE EXISTING AND ADD 1 - #8, 5 kV, TYPE "C" CABLE.
 - PROVIDE OR REUSE SALVAGED 20/6.6A ISOLATION TRANSFORMERS APPROPRIATELY SIZED FOR THE LED FIXTURE. A SALVAGED 30/45 WATT, 20/6.6A TRANSFORMER MAYBE USED WITH 'A' LED MITL FIXTURE ON AN EXISTING 20A CIRCUIT ONLY.
 - RELOCATE EXISTING L.E.D. TAXIWAY LIGHT, BASE PLATE & 6.6/6.6A L-830 TRANSFORMER TO TAXIWAY LIGHT LOCATIONS AT L-867 BASE CAN LOCATIONS.

TRENCH, CONDUIT & CONDUIT LABEL LEGEND



SIGN/LIGHT COLOR LEGEND
- SEE SIGN SCHEDULE DETAIL (E701)

CIRCUIT SCHEDULE NOTES:

* PROVIDE 1-#6, 600V, GREEN, XHHW, GROUND WIRE WITH EACH 5kV CIRCUIT IN A CONDUIT.

** PROVIDE SHIELDED TRIGGER CONTROL CABLE IF REQUIRED BY REIL MANUFACTURER.

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

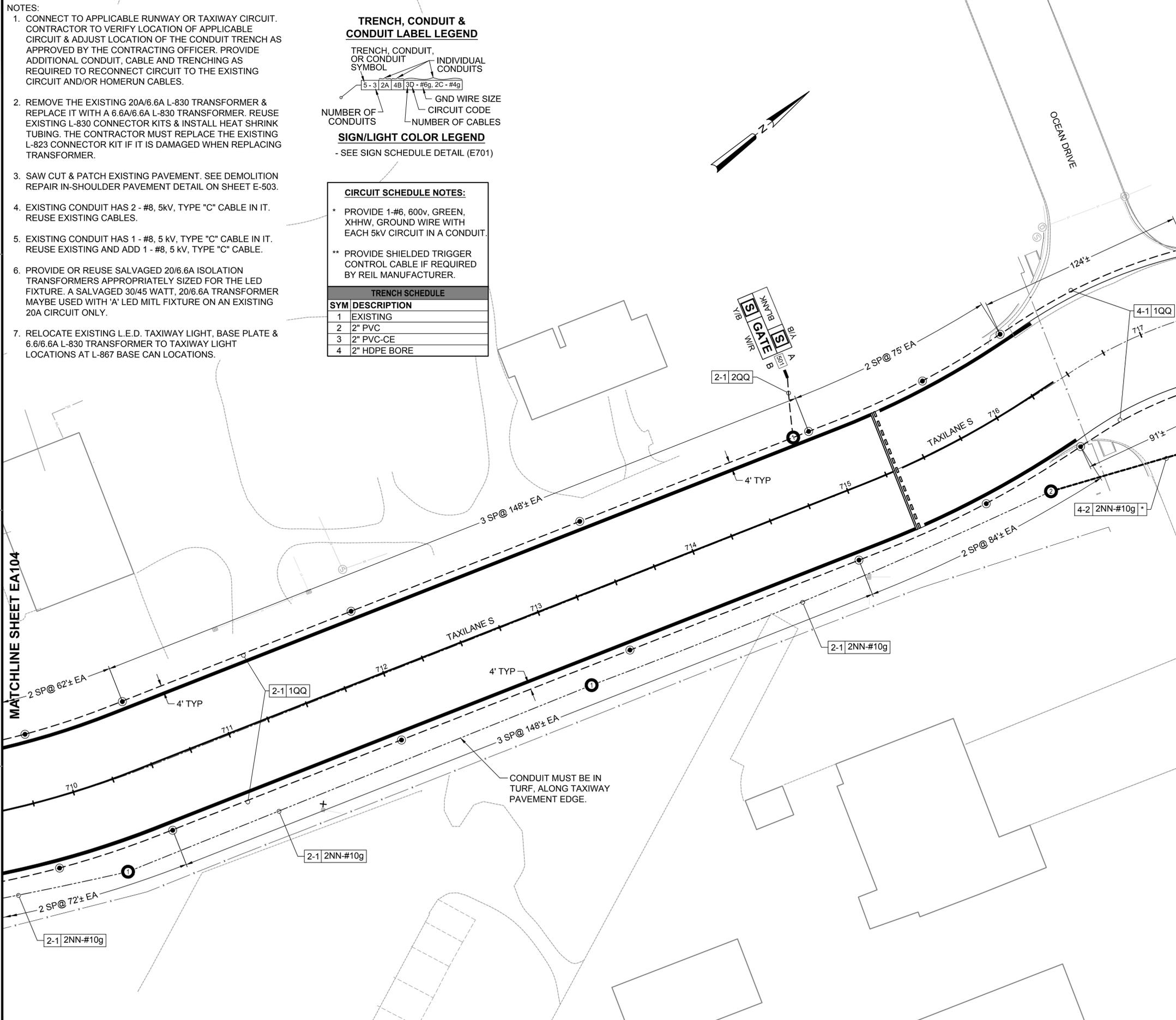
CIRCUIT SCHEDULE



ELECTRICAL SYMBOL LEGEND

- SYMBOL STATUS
- EXISTING REMOVE PROVIDE RELOCATE ADJUST
- LEGEND
- EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
 - PROVIDE L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
 - PROVIDE WIND CONE
 - L-858 (L) AIRFIELD GUIDANCE SIGN
 - L-861T (L) BASE MOUNTED MITL
 - L-852T(L) BASE MOUNTED MITL (RED)
 - L-852T(L) IN-PAVEMENT MITL
 - CONDUIT TRENCHED IN PAVEMENT
 - CONDUIT TRENCHED IN TURF
 - CONDUIT BORED UNDER PAVEMENT

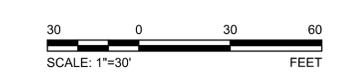
| CIRCUIT SCHEDULE | | |
|------------------|---------------------|-------------------|
| SYM | CIRCUIT & CABLE | SIZE |
| NN | WIND CONE TAXIWAY S | #10, 600V, TYPE C |
| PP | TAXIWAY C15 | #8, 5kV, TYPE C |
| QQ | TAXIWAY C16 | #8, 5kV, TYPE C |
| * | EMPTY CONDUIT | |



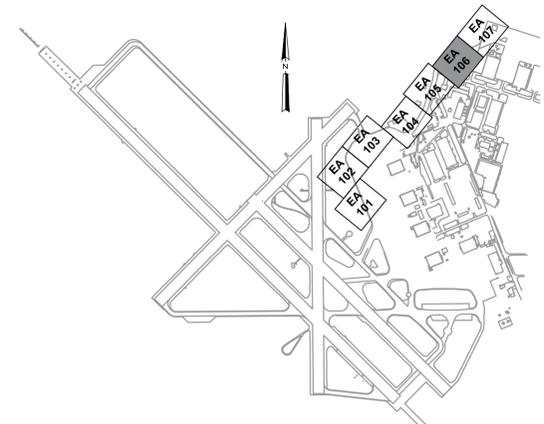
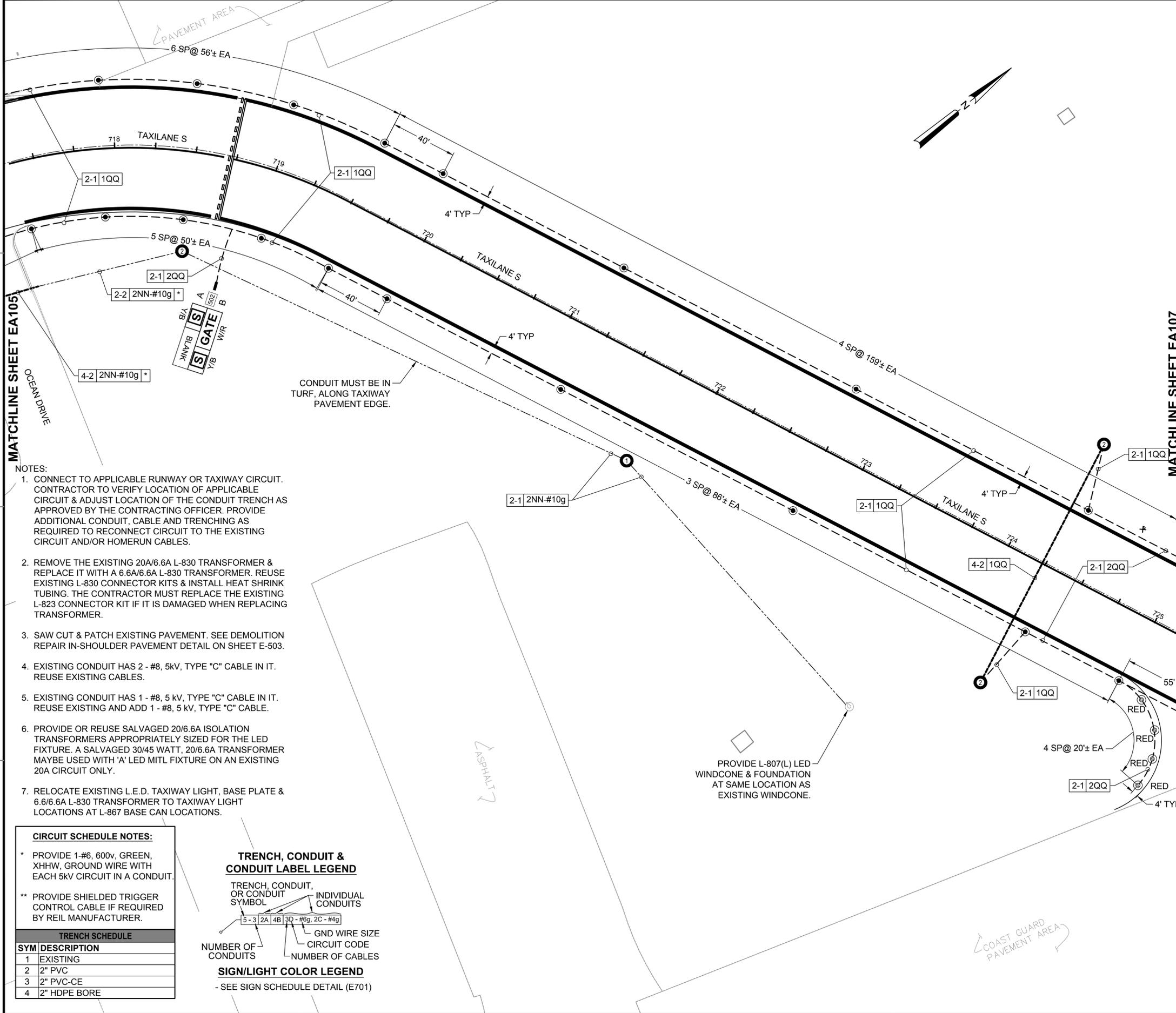
MATCHLINE SHEET EA106

FILE NAME: N:\14072\04 CAD\10-TAXIWAY S\14072-10-EA105.dwg PLOTTED: Wednesday, November 11, 2015 - 10:11am USER: nmm

| | |
|---|----------|
| DATE | 6 NOV 15 |
| ISSUED FOR BID | 0 |
| DESCRIPTION | |
| | |
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| | |
| <p>APPROVED</p> <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE</p> <p>DES EFC DRW MRM CHK JMM</p> <p>PROJECT MANAGER</p> <p>IPY TECH BRANCH HEAD</p> <p>CHIEF ENGINEER (CORE)</p> | |
| <p>DEPARTMENT OF THE NAVY</p> <p>NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST</p> <p>NAVAL AIR STATION JACKSONVILLE</p> <p>CORPUS CHRISTI, TEXAS</p> <p>NAS CORPUS CHRISTI</p> <p>NAS CORPUS CHRISTI AIRFIELD REPAIRS</p> <p>TAXILANE S</p> <p>ELECTRICAL LAYOUT 5 OF 7</p> | |
| <p>SCALE: 1" = 30'</p> <p>PROJECT NO: 15098402</p> <p>CONSTR. CONTR. NO:</p> <p>NAVFAC DRAWING NO: 15098402</p> <p>SHEET 35 OF 43</p> <p>EA105</p> <p>DRAWING REVISION: 5 APRIL 2012</p> | |



FILE NAME: N:\14072\04 CAD\10-TAXIWAY S\14580-10-EA106.dwg PLOTTED: Wednesday, November 11, 2015 - 10:12am USER: nmm



KEY MAP

ELECTRICAL SYMBOL LEGEND

SYMBOL STATUS

| EXISTING | REMOVE | PROVIDE | RELOCATE | ADJUST |
|----------|--------|---------|----------------|----------------|
| ⊙ | ⊗ | ⊙ | ⊙ _R | ⊙ _A |

LEGEND

- ⊙ EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊗ PROVIDE L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- ⊙ PROVIDE WIND CONE
- ▬ L-858 (L) AIRFIELD GUIDANCE SIGN
- ⊙ L-861T (L) BASE MOUNTED MITL
- ⊙ L-852T(L) BASE MOUNTED MITL (RED)
- ⊙ L-852T(L) IN-PAVEMENT MITL

- CONDUIT TRENCHED IN PAVEMENT
- CONDUIT TRENCHED IN TURF
- CONDUIT BORED UNDER PAVEMENT

| CIRCUIT SCHEDULE | | |
|------------------|---------------------|-------------------|
| SYM | CIRCUIT & CABLE | SIZE |
| NN | WIND CONE TAXIWAY S | #10, 600V, TYPE C |
| PP | TAXIWAY C15 | #8, 5kV, TYPE C |
| QQ | TAXIWAY C16 | #8, 5kV, TYPE C |
| * | EMPTY CONDUIT | |

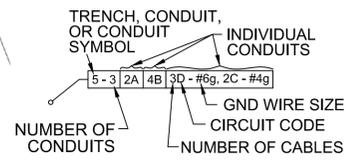
- NOTES:
- CONNECT TO APPLICABLE RUNWAY OR TAXIWAY CIRCUIT. CONTRACTOR TO VERIFY LOCATION OF APPLICABLE CIRCUIT & ADJUST LOCATION OF THE CONDUIT TRENCH AS APPROVED BY THE CONTRACTING OFFICER. PROVIDE ADDITIONAL CONDUIT, CABLE AND TRENCHING AS REQUIRED TO RECONNECT CIRCUIT TO THE EXISTING CIRCUIT AND/OR HOMERUN CABLES.
 - REMOVE THE EXISTING 20A/6.6A L-830 TRANSFORMER & REPLACE IT WITH A 6.6A/6.6A L-830 TRANSFORMER. REUSE EXISTING L-830 CONNECTOR KITS & INSTALL HEAT SHRINK TUBING. THE CONTRACTOR MUST REPLACE THE EXISTING L-823 CONNECTOR KIT IF IT IS DAMAGED WHEN REPLACING TRANSFORMER.
 - SAW CUT & PATCH EXISTING PAVEMENT. SEE DEMOLITION REPAIR IN-SHOULDER PAVEMENT DETAIL ON SHEET E-503.
 - EXISTING CONDUIT HAS 2 - #8, 5kV, TYPE "C" CABLE IN IT. REUSE EXISTING CABLES.
 - EXISTING CONDUIT HAS 1 - #8, 5 kV, TYPE "C" CABLE IN IT. REUSE EXISTING AND ADD 1 - #8, 5 kV, TYPE "C" CABLE.
 - PROVIDE OR REUSE SALVAGED 20/6.6A ISOLATION TRANSFORMERS APPROPRIATELY SIZED FOR THE LED FIXTURE. A SALVAGED 30/45 WATT, 20/6.6A TRANSFORMER MAYBE USED WITH 'A' LED MITL FIXTURE ON AN EXISTING 20A CIRCUIT ONLY.
 - RELOCATE EXISTING L.E.D. TAXIWAY LIGHT, BASE PLATE & 6.6/6.6A L-830 TRANSFORMER TO TAXIWAY LIGHT LOCATIONS AT L-867 BASE CAN LOCATIONS.

CIRCUIT SCHEDULE NOTES:

- * PROVIDE 1-#6, 600v, GREEN, XHHW, GROUND WIRE WITH EACH 5KV CIRCUIT IN A CONDUIT.
- ** PROVIDE SHIELDED TRIGGER CONTROL CABLE IF REQUIRED BY REIL MANUFACTURER.

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

TRENCH, CONDUIT & CONDUIT LABEL LEGEND

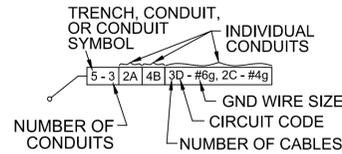


SIGN/LIGHT COLOR LEGEND

- SEE SIGN SCHEDULE DETAIL (E701)

| | | | | | | | |
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| ISSUED FOR BID | 6 NOV 15 | | | | | | |
| DATE | DATE | | | | | | |
| SYMBOL DESCRIPTION | SYMBOL DESCRIPTION | | | | | | |
| <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE</p> <p>DES EFC drw MRM chk JMM</p> <p>PROJECT MANAGER</p> <p>IPT TECH BRANCH HEAD</p> <p>CHIEF ENGINEER (CORE)</p> | | | | | | | |
| <p>DEPARTMENT OF THE NAVY</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>TAXILANE S</p> <p>ELECTRICAL LAYOUT 6 OF 7</p> | | | | | | | |
| <p>SCALE: 1"=30'</p> <p>PROJECT NO: 15098403</p> <p>CONSTR. CONTR. NO.</p> <p>NAVFAC DRAWING NO. 15098403</p> <p>SHEET 36 OF 43</p> <p>EA106</p> <p><small>DRAWING REVISION: 5 APRIL 2012</small></p> | | | | | | | |

TRENCH, CONDUIT & CONDUIT LABEL LEGEND



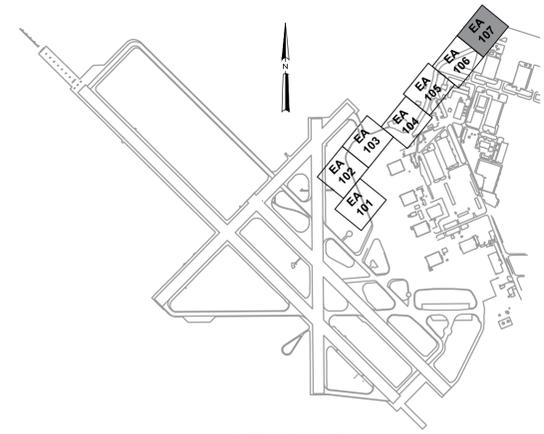
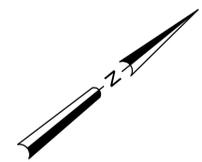
SIGN/LIGHT COLOR LEGEND
- SEE SIGN SCHEDULE DETAIL (E701)

CIRCUIT SCHEDULE NOTES:

- * PROVIDE 1-#6, 600v, GREEN, XHHW, GROUND WIRE WITH EACH 5KV CIRCUIT IN A CONDUIT.
- ** PROVIDE SHIELDED TRIGGER CONTROL CABLE IF REQUIRED BY REIL MANUFACTURER.

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

- NOTES:**
- CONNECT TO APPLICABLE RUNWAY OR TAXIWAY CIRCUIT. CONTRACTOR TO VERIFY LOCATION OF APPLICABLE CIRCUIT & ADJUST LOCATION OF THE CONDUIT TRENCH AS APPROVED BY THE CONTRACTING OFFICER. PROVIDE ADDITIONAL CONDUIT, CABLE AND TRENCHING AS REQUIRED TO RECONNECT CIRCUIT TO THE EXISTING CIRCUIT AND/OR HOMERUN CABLES.
 - REMOVE THE EXISTING 20A/6.6A L-830 TRANSFORMER & REPLACE IT WITH A 6.6A/6.6A L-830 TRANSFORMER. REUSE EXISTING L-830 CONNECTOR KITS & INSTALL HEAT SHRINK TUBING. THE CONTRACTOR MUST REPLACE THE EXISTING L-823 CONNECTOR KIT IF IT IS DAMAGED WHEN REPLACING TRANSFORMER.
 - SAW CUT & PATCH EXISTING PAVEMENT. SEE DEMOLITION REPAIR IN-SHOULDER PAVEMENT DETAIL ON SHEET E-503.
 - EXISTING CONDUIT HAS 2 - #8, 5kV, TYPE "C" CABLE IN IT. REUSE EXISTING CABLES.
 - EXISTING CONDUIT HAS 1 - #8, 5 kV, TYPE "C" CABLE IN IT. REUSE EXISTING AND ADD 1 - #8, 5 kV, TYPE "C" CABLE.
 - PROVIDE OR REUSE SALVAGED 20/6.6A ISOLATION TRANSFORMERS APPROPRIATELY SIZED FOR THE LED FIXTURE. A SALVAGED 30/45 WATT, 20/6.6A TRANSFORMER MAYBE USED WITH 'A' LED MITL FIXTURE ON AN EXISTING 20A CIRCUIT ONLY.
 - RELOCATE EXISTING L.E.D. TAXIWAY LIGHT, BASE PLATE & 6.6/6.6A L-830 TRANSFORMER TO TAXIWAY LIGHT LOCATIONS AT L-867 BASE CAN LOCATIONS.



KEY MAP

ELECTRICAL SYMBOL LEGEND

SYMBOL STATUS

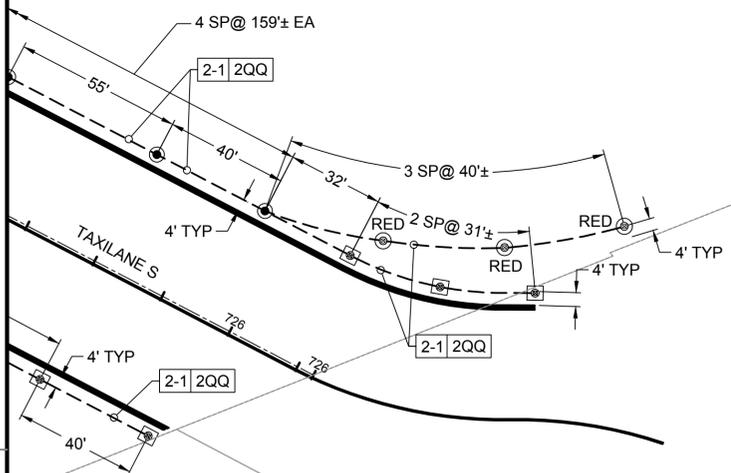


LEGEND

- EXISTING L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- PROVIDE L-867 ELECTRICAL PULLCAN PLAZA (# INDICATES NUMBER OF CANS)
- PROVIDE WIND CONE
- L-858 (L) AIRFIELD GUIDANCE SIGN
- L-861T (L) BASE MOUNTED MITL
- L-852T(L) BASE MOUNTED MITL (RED)
- L-852T(L) IN-PAVEMENT MITL
- CONDUIT TRENCHED IN PAVEMENT
- CONDUIT TRENCHED IN TURF
- CONDUIT BORED UNDER PAVEMENT

| CIRCUIT SCHEDULE | | |
|------------------|---------------------|-------------------|
| SYM | CIRCUIT & CABLE | SIZE |
| NN | WIND CONE TAXIWAY S | #10, 600V, TYPE C |
| PP | TAXIWAY C15 | #8, 5kV, TYPE C |
| QQ | TAXIWAY C16 | #8, 5kV, TYPE C |
| * | EMPTY CONDUIT | |

MATCHLINE SHEET EA106



COAST GUARD PAVEMENT AREA

COAST GUARD PAVEMENT AREA



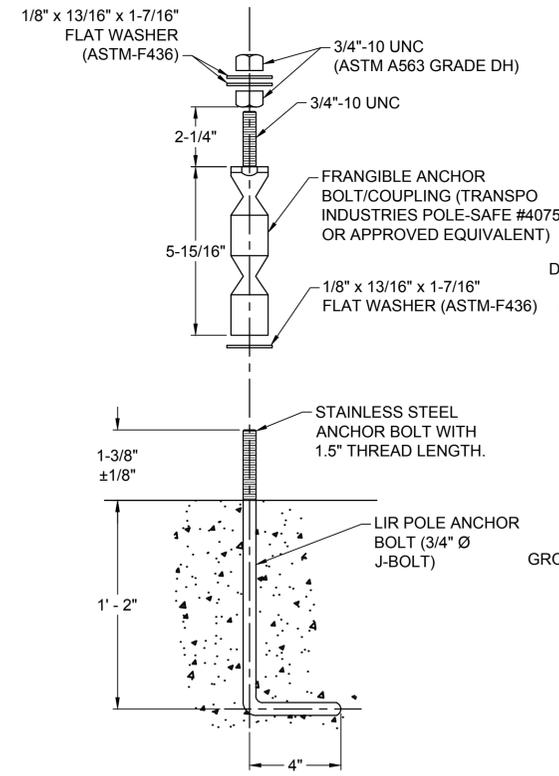
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| DATE | 6 NOV 15 |
| ISSUED FOR BID | 0 |
| SYMBOL DESCRIPTION | |
| APPROVED | |
| FOR COMMANDER NAVFAC | |
| ACTIVITY | |
| SATISFACTORY TO DATE | |
| DES EFC DRW MRM CHK JMM | |
| PROJECT MANAGER | |
| IP/T TECH BRANCH HEAD | |
| CHIEF ENGINEER (CORE) | |
| DEPARTMENT OF THE NAVY | |
| NAVAL FACILITIES ENGINEERING COMMAND | |
| NAVAL AIR STATION JACKSONVILLE | |
| CIBL CORE | |
| NAS CORPUS CHRISTI, TEXAS | |
| NAS CORPUS CHRISTI AIRFIELD REPAIRS | |
| TAXILANE S | |
| ELECTRICAL LAYOUT 7 OF 7 | |
| SCALE: | 1" = 30' |
| PROJECT NO.: | |
| CONSTR. CONTR. NO.: | |
| NAVFAC DRAWING NO.: | 15098404 |
| SHEET: | 37 OF 43 |
| EA107 | |
| DRAWING REVISION: | 5 APRIL 2012 |

D

C

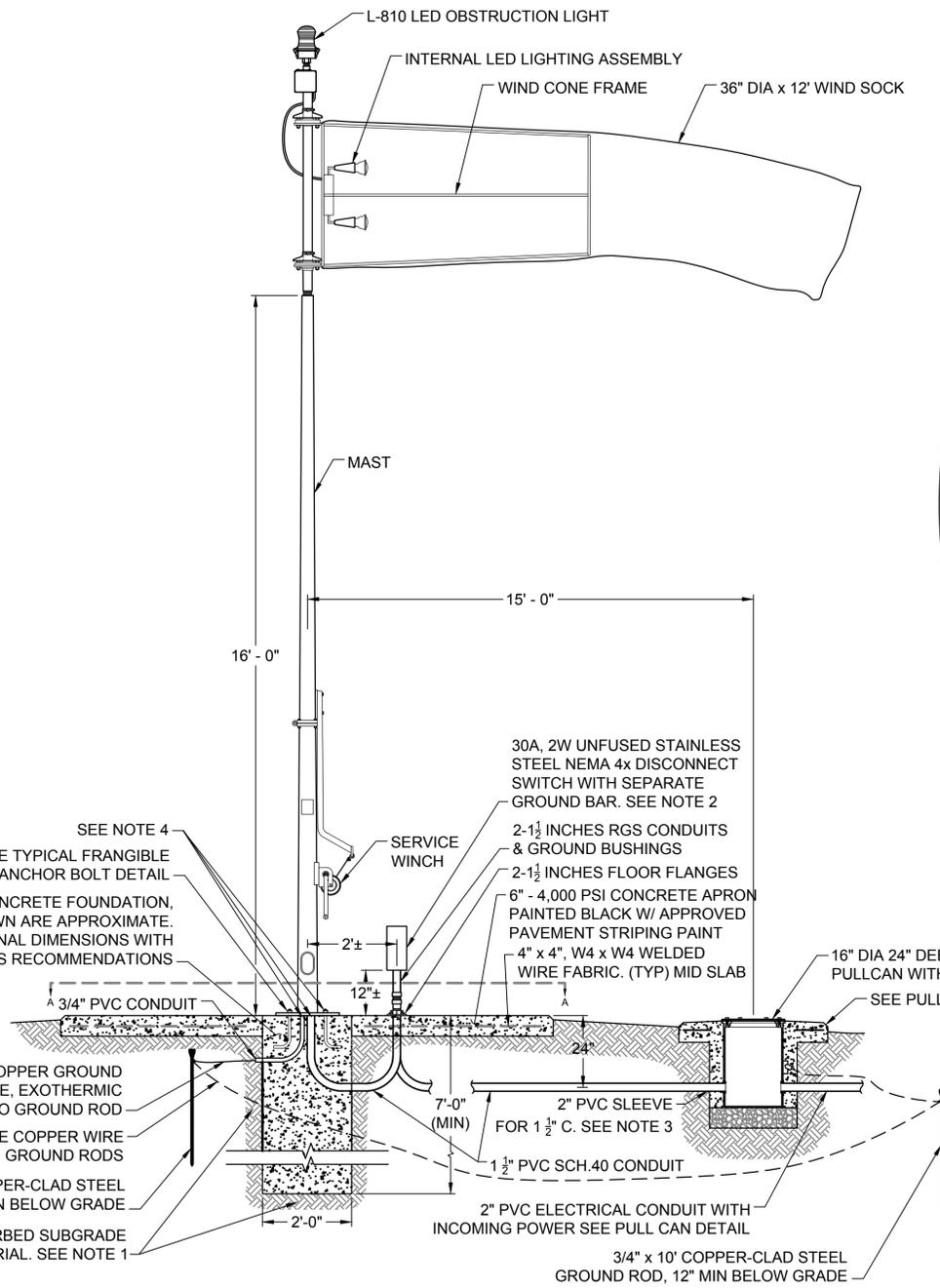
B

A



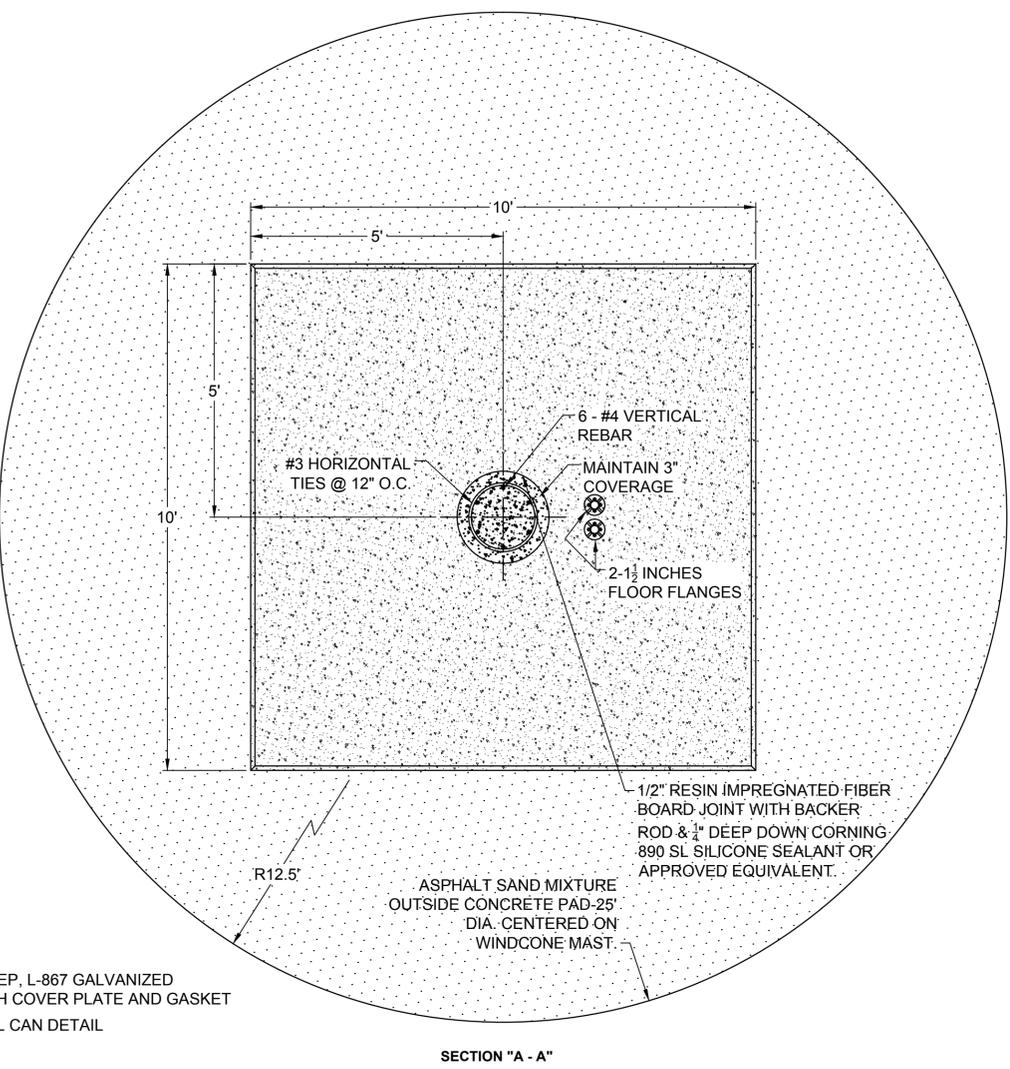
1 TYPICAL FRANGIBLE ANCHOR BOLT DETAIL
SCALE: NTS

- NOTE:
1. FLAT WASHER BOTTOM MUST BE COATED WITH ASPHALTIC COMPOUND TO PREVENT CORROSIVE INTERACTION WITH CONCRETE SURFACE. USE APPROVED STAINLESS STEEL WASHERS, NUTS, ETC.
 2. THE CONCRETE SURFACE BETWEEN AND AROUND THE ANCHOR BOLTS MUST BE LEVEL, SMOOTH, FLAT AND FREE OF DEBRIS.



2 PRIMARY LED WIND CONE DETAIL (L-807) INTERNALLY LIGHTED
SCALE: NTS

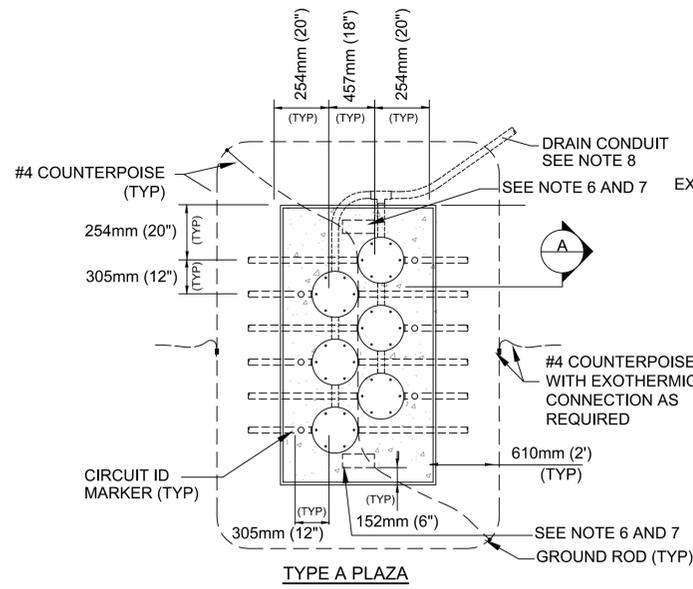
- NOTES:
1. PROVIDE AUGURED HOLE FOR WIND CONE FOUNDATION. IF WIND CONE FOUNDATION IS PRECAST, PROVIDE TXDOT 150 PSI FLOWABLE FILL AS BACKFILL. FLOWABLE FILL MUST BE INSTALLED IMMEDIATELY FOLLOWING THE AUGERING AND SETTING OF THE PRECAST FOUNDATION.
 2. PROVIDE/INSTALL A SQ. "D" SURGE ARRESTOR #SDSA 1175 OR AN APPROVED EQUIVALENT ON THE SIDE OR BOTTOM OF THE DISCONNECT SWITCH. CONNECT THE SURGE ARRESTOR TO THE LOAD SIDE OF THE DISCONNECT SWITCH. PROVIDE WATERPROOF CONNECTION/SEAL.
 3. EXTEND 1 1/2" PVC CONDUIT INTO PULLCAN ~1 1/2", INSTALL A BELL END & DUCT SEAL 1 1/2" CONDUIT AT BOTH ENDS.
 4. MOUNT WINDCONE ON FRANGIBLE ANCHOR BOLTS (SEE DETAIL) AND PROVIDE A 1/16" THICK ALUMINUM SKIRT WITH A MIG WELDED SEAM UNDER WINDCONE BASE TO SEAL THE OPENING BETWEEN THE BASE PLATE AND CONCRETE SURFACE. THE SKIRT MUST BE SIZED AND SHAPED TO FIT SNUGLY OVER THE FRANGIBLE ANCHOR BOLTS AND SEALED ON THE TOP AND BOTTOM WITH AN APPROVED CLEAR SILICONE SEALANT. THE PVC CONDUITS MUST BE STUB-UP 1.5" ABOVE THE CONCRETE SURFACE AND DUCT SEALED AFTER CABLE INSTALLATION.



SECTION "A - A"

| | |
|---|----------|
| DATE | 6 NOV 15 |
| ISSUED FOR BID | 0 |
| DESCRIPTION | |
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| | |
| | |
| 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 SOUTHEAST NAVAL AIR STATION JACKSONVILLE CIBL CORE NAS CORPUS CHRISTI NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXILANE S ELECTRICAL DETAILS | |
| SCALE: | 1" = 30' |
| PROJECT NO.: | |
| CONSTR. CONTR. NO.: | |
| NAVFAC DRAWING NO.: | 15098405 |
| SHEET: | 38 OF 43 |
| E-501 DRAWFORM REVISION: 5 APRIL 2012 | |

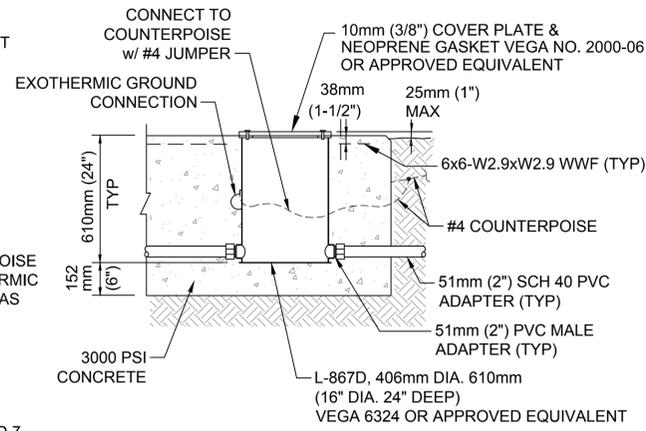
FILE NAME: N:\14072\04 CAD\10-TAXILANE S\154800-10-E501.dwg LAYOUT NAME: E501 PLOTTED: Wednesday, November 11, 2015 - 10:12am USER: rmm



1 JUNCTION CAN PLAZA, TYPE A
SCALE: NTS

NOTES:

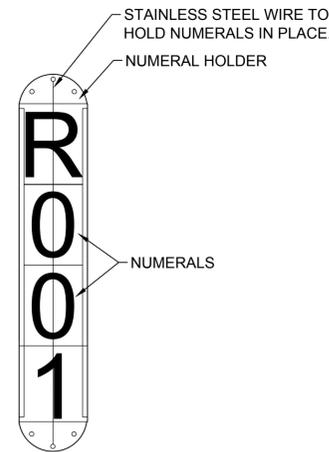
- NUMBER OF JUNCTION CANS AND CONDUIT CONFIGURATIONS VARY. SEE LAYOUT PLAN SHEETS FOR ORIENTATION.
- CONDUITS WHICH ARE NOT USED IN THE PROJECT MUST BE CAPPED 304mm (12") OUTSIDE OF PLAZA CONCRETE.
- ORIENT PLAZA AS SHOWN ON LAYOUT PLAN SHEETS.
- CONTRACTOR MUST PROVIDE A 51mm (2") DIA DOMED BRONZE MARKER AT EACH JUNCTION CAN AS SHOWN. MARKER MUST BE STAMPED WITH CIRCUIT IDENTIFICATION AS SHOWN ON LAYOUT PLAN SHEETS.
- PROVIDE GROUND RODS AND GROUND LOOP AT ALL JUNCTION CAN PLAZAS AS SHOWN. PROVIDE TWO GROUND RODS PER PLAZA LOCATED AT OPPOSITE CORNERS. COUNTERPOISE MUST BE LOCATED NOMINALLY 304mm (12") BELOW EXISTING GRADE.
- CONTRACTOR MUST LABEL 2 ENDS OF EACH JUNCTION CAN PLAZA (JCP) BY IMPRESSING THE JCP IDENTIFICATION NUMBER INTO THE CONCRETE FOUNDATION DURING PLACEMENT. LETTERS AND NUMBERS MUST 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.



2 JUNCTION CAN PLAZA, TYPE B
SCALE: NTS

NOTES:

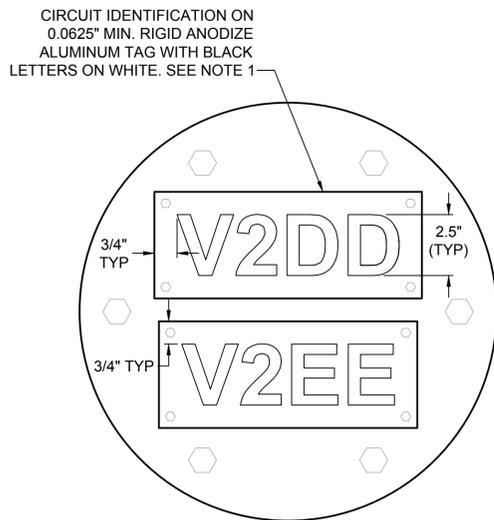
- NUMBER OF JUNCTION CANS AND CONDUIT CONFIGURATIONS VARY. SEE LAYOUT PLAN SHEETS FOR ORIENTATION.
- CONDUITS WHICH ARE NOT USED IN THE PROJECT SHALL BE CAPPED 304mm (12") OUTSIDE OF PLAZA CONCRETE.
- ORIENT PLAZA AS SHOWN ON LAYOUT PLAN SHEETS.
- CONTRACTOR MUST PROVIDE A 51mm (2") DIA DOMED BRONZE MARKER AT EACH JUNCTION CAN AS SHOWN. MARKER MUST BE STAMPED WITH CIRCUIT IDENTIFICATION AS SHOWN ON LAYOUT PLAN SHEETS.
- PROVIDE GROUND RODS AND GROUND LOOP AT ALL JUNCTION CAN PLAZAS AS SHOWN. PROVIDE TWO GROUND RODS PER PLAZA LOCATED AT OPPOSITE CORNERS. COUNTERPOISE MUST 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 MUST 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.



3 LIGHT FIXTURE IDENTIFICATION TAG DETAIL
SCALE: NTS

NOTES:

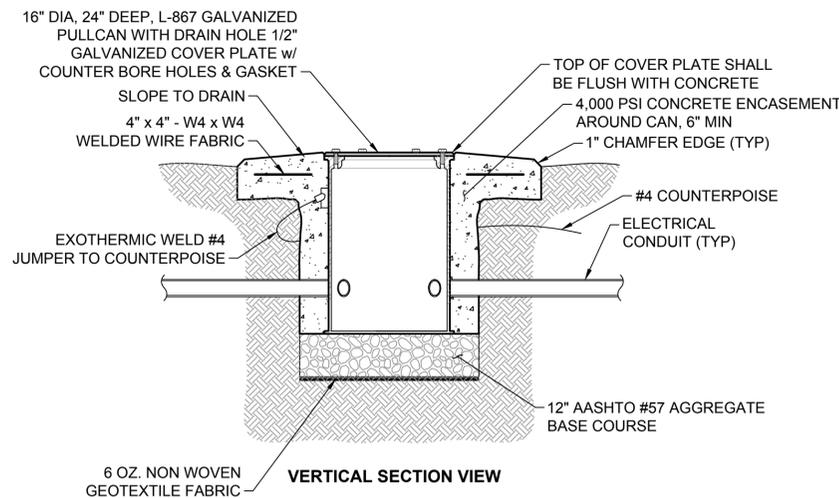
- THE CONTRACTOR MUST FURNISH AND INSTALL NUMBER TAGS ON ALL LIGHTS. THE TAGS MUST BE REFLECTIVE AND MUST BE "E-Z TAG" AS MANUFACTURED BY ALMATEK, OR APPROVED EQUAL. EACH TAG MUST BE A VERTICAL CONFIGURATION, CONSISTING OF A HOLDER AND NUMERALS.
- THE NUMBER TAG WILL CONSIST OF ONE LETTER (R OR C) PRECEDED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



4 PULLCAN LID LABEL DETAIL
SCALE: NTS

NOTE:

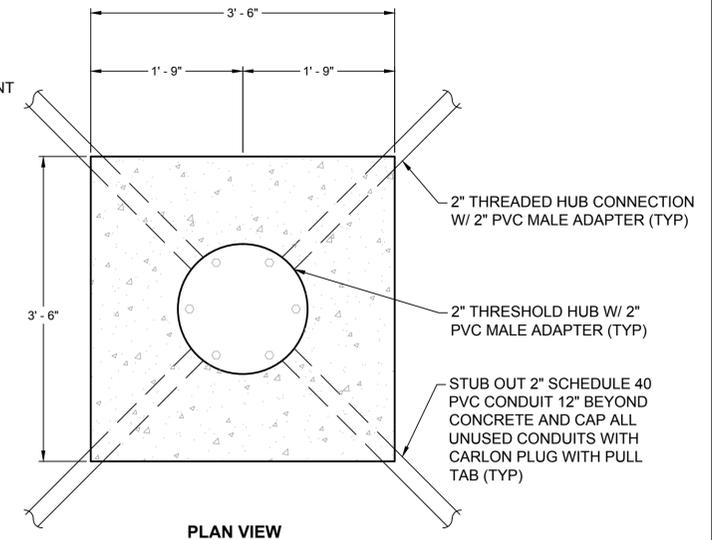
- PROVIDE HIGH PERFORMANCE ADHESIVE BACKING AND 4-3/16" DIA. HOLE FOR MECHANICAL ATTACHMENT WITH S.S. HEX HEAD WASHER SELF TAPPING SCREWS. PROVIDE SAMPLE TAG FOR APPROVAL BY THE CONTRACTING OFFICER.



5 PULLCAN DETAIL
SCALE: NTS

NOTES:

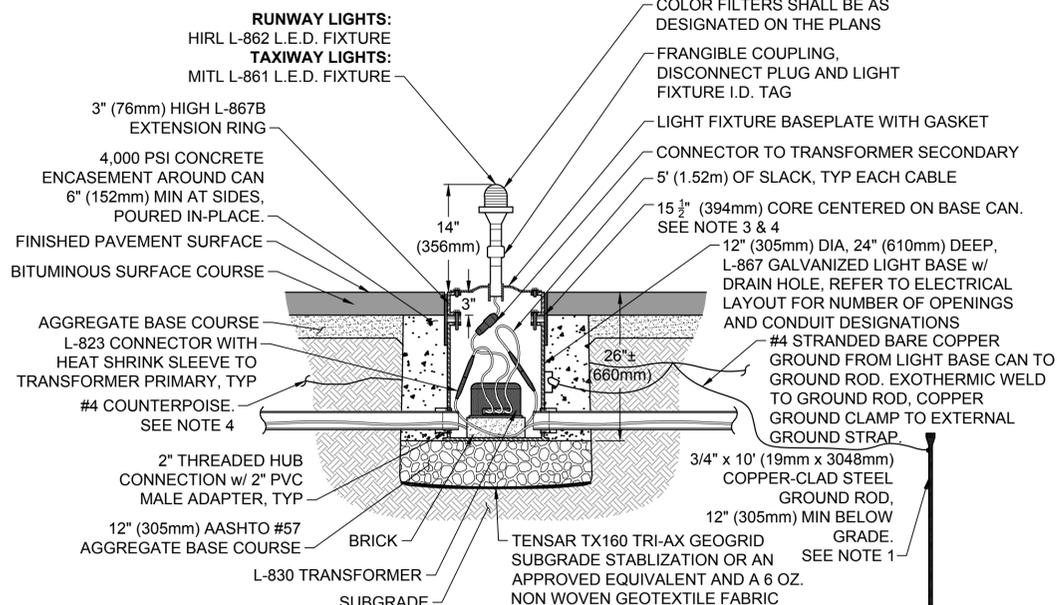
- ADJUST ORIENTATION OF CONDUIT TO MATCH FIELD CONDITIONS.
- MULTI CANS MAY BE INSTALLED IN THE SAME PAD. PROVIDE A MINIMUM SPACING OF 2'-0" C-C BETWEEN CANS AND 1'-9" FROM THE CENTER OF THE CAN TO THE EDGE OF THE PAD.
- COVER PLATE MUST BE FLUSH WITH TOP OF CONCRETE. PROVIDE 1/8" TO 1/4" GAP BETWEEN CONCRETE AND COVER PLATE.
- CONTRACTOR MUST PROVIDE 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.



PLAN VIEW

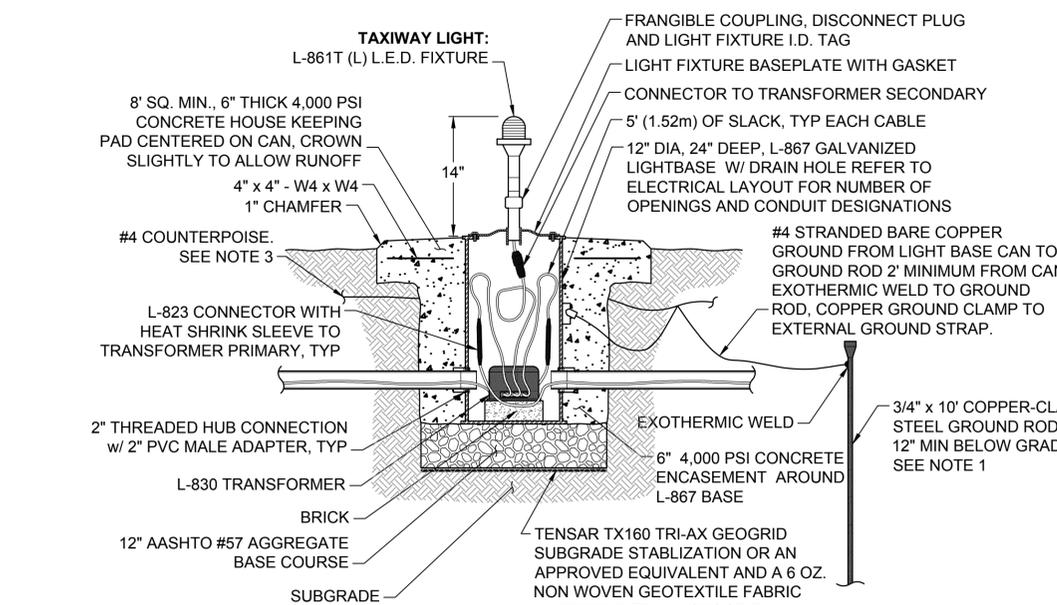
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| DES | EFC drw MRM chk JMM |
| PROJECT MANAGER | |
| IP/T TECH - BRANCH HEAD | |
| CHIEF ENGINEER (CORE) | |
| DEPARTMENT OF THE NAVY | |
| NAVAL FACILITIES ENGINEERING COMMAND | |
| NAVAL FACILITIES ENGINEERING SOUTHEAST | |
| NAVAL AIR STATION JACKSONVILLE | |
| CIBL CORE | |
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| NAS CORPUS CHRISTI AIRFIELD REPAIRS | |
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| ELECTRICAL DETAILS | |
| SCALE: | 1" = 30" |
| PROJECT NO.: | 15098406 |
| CONSTR. CONTR. NO.: | |
| NAVFAC DRAWING NO.: | 15098406 |
| SHEET | 39 OF 43 |
| E-502 | |
| DRAWFORM REVISION: 5 APRIL 2012 | |

FILE NAME: N:\14072\04 CAD\10-TAXWAY S\14580-10-E502.dwg LAYOUT NAME: E502 PLOTTED: Wednesday, November 11, 2015 - 10:12am USER: mm



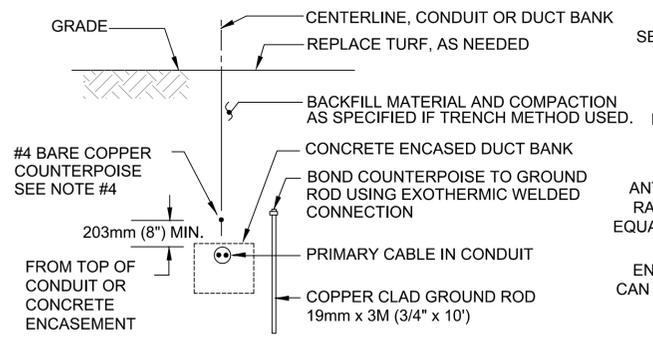
1 L.E.D. RUNWAY & TAXIWAY EDGE LIGHT IN PAVED SHOULDER DETAIL
SCALE: NTS

- NOTE:
1. PROVIDE A 3/4" x 10' (19mm X 3048mm) COPPER-CLAD GROUND RODS IN THE TRENCH 3' (76mm) MIN FROM BASE CAN.
 2. PROVIDE MUD PLATE, CORE PAVEMENT INSTALL EXTENSION RING AND SPACERS AS REQUIRED. THE EXTENSION RING MUST BE FLUSH WITH THE HIGHEST EDGE OF THE BITUMINOUS CONCRETE FOR DRAINAGE.
 3. 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 MUST BE FLUSH WITH THE TOP OF THE EXTENSION RING AND THE TOP OF THE PAVEMENT.
 4. ROUTE COUNTERPOISE AROUND CONCRETE ENCASEMENT TOWARD FULL STRENGTH PAVEMENT



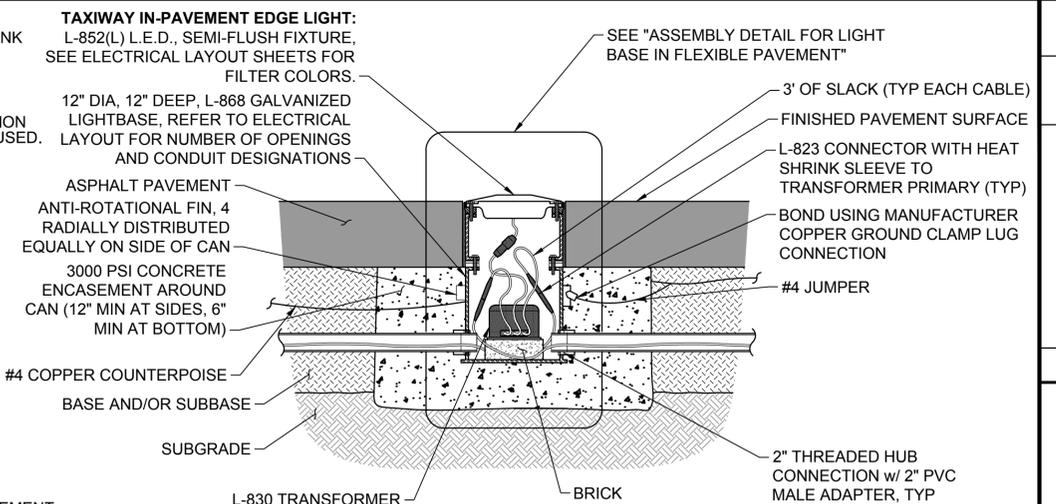
2 L.E.D. TAXIWAY EDGE LIGHT DETAIL
SCALE: NTS

- NOTES:
1. PROVIDE A 3/4" x 10' (19mm X 3048mm) COPPER-CLAD GROUND ROD IN THE TRENCH 3' MIN FROM BASE CAN.
 2. 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.
 3. ROUTE COUNTERPOISE AROUND CONCRETE ENCASEMENT TOWARD FULL STRENGTH PAVEMENT



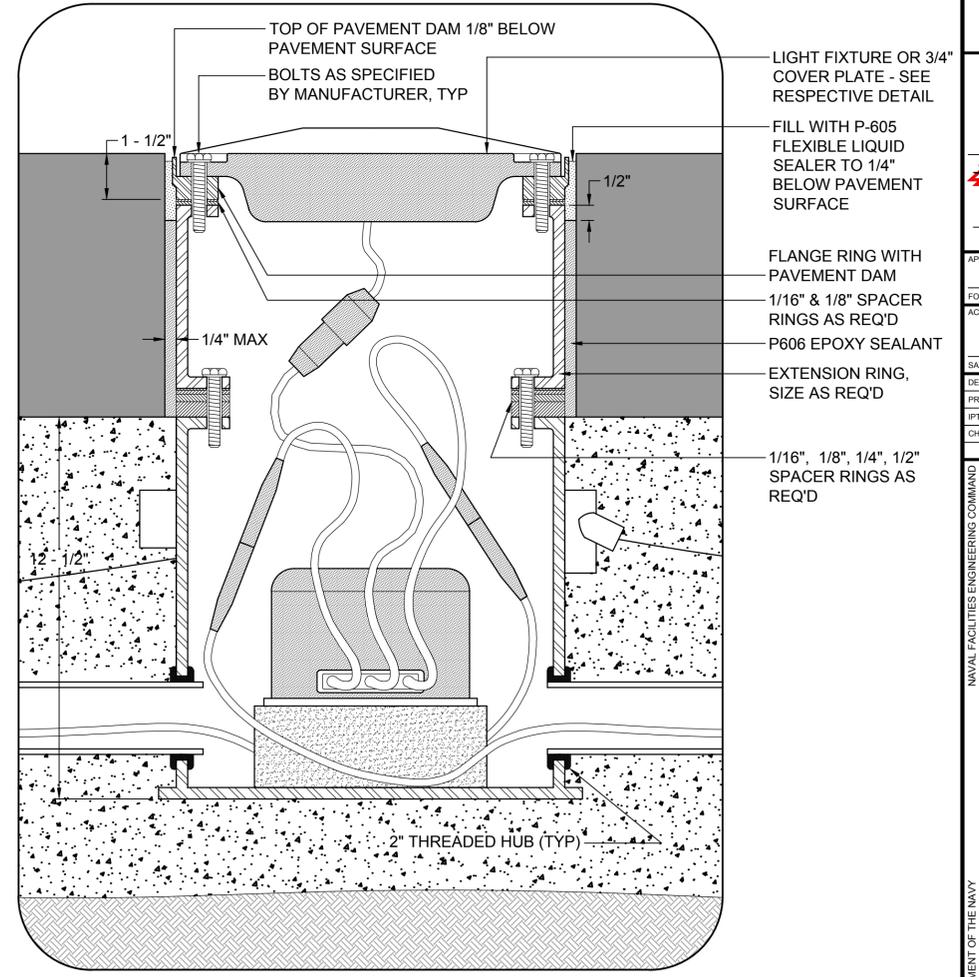
3 COUNTERPOISE & GROUND ROD INSTALLATION DETAIL
SCALE: NTS

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



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

- NOTES:
1. USE HIGH EARLY STRENGTH CONCRETE. PROVIDE SUBMITTAL FOR APPROVAL.
 2. SEALANT MUST BE DOW CORNING 890-SL SEALANT OR APPROVED EQUIVALENT.
 3. SEALANT MUST BE APPLIED SO THAT LIGHT FIXTURE HOUSING IS NOT SEALED TO FLANGE RING.
 4. PERIMETER EDGE OF FIXTURE MUST BE FLUSH WITH PAVEMENT SURFACE
 5. ALL DIRECT BURIED BARE WIRE CONNECTIONS MUST BE EXOTHERMIC WELDS ONLY. LUG CONNECTIONS MUST BE USED FOR CONCRETE ENCASED APPLICATIONS.



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

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

FILE NAME: N:\14072\04 CAD\10-TAXIWAY 5\14580-10-E504.dwg LAYOUT NAME: E504 PLOTTED: Wednesday, November 11, 2015 - 10:12am USER: rmm

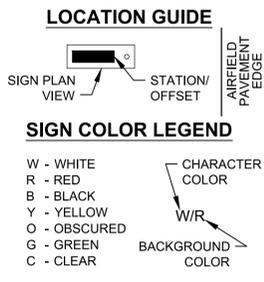
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| SATISFACTORY TO DATE | |
| DES | EFC drw MRM chk JMM |
| PROJECT MANAGER | |
| IP/T TECH. BRANCH HEAD | |
| CHIEF ENGINEER (CORE) | |
| DEPARTMENT OF THE NAVY | |
| NAVAL FACILITIES ENGINEERING COMMAND | |
| NAVAL FACILITIES ENGINEERING SOUTHEAST | |
| NAVAL AIR STATION JACKSONVILLE | |
| CIBL CORE | |
| NAS CORPUS CHRISTI | |
| NAS CORPUS CHRISTI, TEXAS | |
| NAS CORPUS CHRISTI AIRFIELD REPAIRS | |
| TAXILANE S | |
| ELECTRICAL DETAILS | |
| SCALE: | 1" = 30' |
| PROJECT NO.: | 15098408 |
| CONSTR. CONTR. NO.: | |
| NAVFAC DRAWING NO.: | E-504 |
| SHEET | 41 OF 43 |
| DRAWFORM REVISION: 5 APRIL 2012 | |

| SIGN SCHEDULE | | | | | | | | | | |
|---------------|------------------|---------------------|-------------|--------|--------------------------|-------|-------|------|------|----------|
| SIGN # | DESCRIPTION | | LOCATION ** | | EQUIPMENT SPECIFICATIONS | | | | | COMMENTS |
| | PANEL "A" | PANEL "B" | STATION | OFFSET | # MODULES * | STYLE | CLASS | MODE | SIZE | |
| 501 | [S] BLANK Y/B | [S] GATE Y/B W/R | - | - | | 2 | 1 | 2 | 2 | |
| 502 | [S] BLANK Y/B | [S] GATE Y/B W/R | - | - | | 2 | 1 | 2 | 2 | |

* ESTIMATE - COORDINATE WITH SIGN MANUFACTURER ON EXACT NUMBER OF MODULES
 ** REFER TO TYPICAL SIGN LAYOUT DETAIL

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:

1. THE LOCATION OF UTILITIES SHOWN IS APPROXIMATE ONLY AND MUST BE FIELD VERIFIED BY THE CONTRACTOR BEFORE BEGINNING CONSTRUCTION. SOME UTILITIES ARE NOT NECESSARILY SHOWN.
2. THE CONTRACTOR MUST LOCATE UTILITIES DURING CONSTRUCTION, AND HAND DIG WHEN WITHIN THREE (3) FEET OF KNOWN OR SUSPECTED UNDERGROUND UTILITY.
3. CABLES MUST BE TAGGED AT EACH CONNECTION AND AT EACH ENTRANCE TO DUCTS, HANDHOLES AND PULL CANS. CABLE TAGS MUST BE ALMETEK MINI-TAGS KIT WITH BLACK STAMPED YELLOW POLYETHYLENE LETTERS OR APPROVED EQUIVALENT. ATTACH TAGS WITH CABLE TIES.
4. ELECTRICAL WORK MUST BE COMPLETED IN ACCORDANCE WITH LOCAL CODE AND CURRENT NEC HANDBOOK.
5. THE CONTRACTOR MUST MANUALLY LOCK OUT EACH CIRCUIT AT THE VAULT WHEN WORK IS BEING PERFORMED ON THE CIRCUIT. THE CIRCUIT MUST BE TAGGED AND THE CONTRACTOR'S NAME CLEARLY IDENTIFIED ON EACH TAG WITH AN APPROVED LOCK OUT KIT. THE CONTRACTING OFFICER'S DESIGNATED REPRESENTATIVE MUST BE NOTIFIED EACH TIME A CIRCUIT IS SECURED AND EACH TIME THE CIRCUIT IS RETURNED TO OPERATIONAL STATUS. THE CONTRACTOR MUST BE CERTIFIED AND TRAINED BY THE CONTRACTING OFFICER'S DESIGNATED REPRESENTATIVE PRIOR TO PERFORMING WORK OR LOCK-OUT PROCEDURES IN THE ELECTRICAL VAULT.
6. UNDERGROUND CONDUITS MUST BE PVC, SCHEDULE 40, UNLESS OTHERWISE NOTED. UNDERGROUND CONDUITS MUST BE UL APPROVED. UNDERGROUND CONDUIT BENDS MUST BE LONG RADIUS ANGLES.
7. WHERE CONDUIT IS TO BE CONNECTED TO EXISTING CONDUIT, THE CONTRACTOR MUST MAKE THE CONNECTION USING MANUFACTURED COUPLINGS.
8. FIELD LOCATE EXISTING DUCTS WHICH WILL BE UTILIZED FOR THIS PROJECT. APPROXIMATE LOCATIONS ARE SHOWN.
9. RUNWAY AND/OR TAXIWAY LIGHTS MUST BE DE-ENERGIZED OR PROPERLY COVERED ON CLOSED SEGMENTS OF RUNWAY(S) AND TAXIWAY(S).
10. THE CONTRACTOR MUST FIELD STAKE LIGHTS AND AIRFIELD SIGNS, PRIOR TO INSTALLATION. DISCREPANCIES IN ALIGNMENT OR LOCATION MUST BE RESOLVED PRIOR TO INSTALLATION. THE LOCATION OF HOLD LINES MUST BE CONFIRMED PRIOR TO INSTALLATION OF THE SIGNS.
11. THE LOCATIONS OF P.T.'S SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE FIELD VERIFIED AND APPROVED BY THE CONTRACTING OFFICER'S DESIGNATED REPRESENTATIVE.
12. SIGN INSTALLATION MUST BE PERPENDICULAR TO THE RUNWAY OR TAXIWAY CENTERLINE, UNLESS NOTED DIFFERENTLY ON THE PLANS. PRIOR TO INSTALLING THE SIGN FOUNDATION, THE CONTRACTOR MUST VERIFY THE NUMBER OF MODULES AND/OR LENGTH OF EACH SIGN WITH THE MANUFACTURER TO ACCOMMODATE THE SIGN LEGEND/DESCRIPTION.
13. PULLCANS MUST HAVE A 1/2" THICK COVER PLATE WITH COUNTER BORE HOLES AND TWO OPPOSITE HOLES (0,180) TAPPED 1/2" - 13. COVER PLATES MUST BE HOT DIPPED GALVANIZED AFTER FABRICATION. AT THE END OF THE PROJECT, THE CONTRACTOR MUST TURN OVER TO THE CONTRACTING OFFICER FOUR (4) 1/2"-13 EYEBOLTS.
14. PROVIDE TXDOT APPROVED HIGH EARLY STRENGTH CONCRETE (CALCIUM ALUMINATE CEMENT) AS REQUIRED TO MEET A MILESTONE CONSTRUCTION PERIOD. HIGH EARLY STRENGTH CONCRETE MUST ACHIEVE A MINIMUM OF 70% DESIGN STRENGTH PRIOR TO REOPENING A RUNWAY OR TAXIWAY.
15. COORDINATE (AT LEAST 72 HOURS IN ADVANCE) THE INTERRUPTION OF SERVICE TO ACTIVE LIGHTING CIRCUITS WITH THE CONTRACTING OFFICER. DAMAGE TO EXISTING AIRPORT CIRCUITS CAUSED BY THE CONTRACTOR'S EQUIPMENT OR PERSONNEL MUST BE PROMPTLY REPAIRED, BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE. ACTIVE LIGHTING SYSTEMS FOR OPEN AIRCRAFT OPERATIONAL AREAS (AOA) MUST REMAIN READY FOR OPERATION DURING IFR WEATHER CONDITIONS AND FROM DUSK TO DAWN.
16. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST INVENTORY THE LIGHTS, FIXTURES, SIGNS, ETC., WITHIN THE PROJECT LIMITS. THE CONTRACTOR MUST ADVISE THE CONTRACTING OFFICER, IN WRITING, OF THE DAMAGED LIGHT FIXTURES, SIGNS, OR UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
17. FOR LIGHTING CIRCUITS REMAINING IN OPERATION, THE CONTRACTOR MUST MEGGAR THE EXISTING LIGHTING CIRCUIT PRIOR TO BEGINNING WORK AND AT THE END OF EACH DAY'S WORK. THIS WORK MUST 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 MUST DETERMINE THE LOCATION OF THE PROBLEM AT THE CONTRACTOR EXPENSE. IF THE PROBLEM IS DUE TO THE CONTRACTOR'S WORK, THE APPLICABLE CIRCUITS MUST BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CONTRACTING OFFICER.
18. THE CONTRACTOR MUST HAVE A TONE GENERATOR TYPE CABLE TRACER ON SITE TO LOCATE EXISTING CABLES.
19. THE CONTRACTOR MAY BE REQUIRED TO CONNECT THE CIRCUITS TO THE EXISTING CIRCUITS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WORK REQUIRED TO MAKE THE CONNECTIONS TO THE EXISTING CIRCUITS WILL BE CONSIDERED INCIDENTAL TO THE PROJECT (I.E., PUNCHING INTO EXISTING MANHOLES, LIGHT BASES, JUNCTION STRUCTURES FOR CONDUITS).
20. GROUND RODS AND OTHER UNDERGROUND GROUNDING CONNECTIONS MUST BE EXOTHERMICALLY WELDED, UNLESS OTHERWISE NOTED. EXOTHERMIC CONNECTIONS MUST BE IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES. THE COUNTERPOISE SYSTEM MUST BE CONNECTED WITH THE EXISTING SYSTEM AT CROSSING POINTS.
21. EXISTING LIGHTING FIXTURES REMOVED WILL 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 MUST BE DISPOSED OF OFF-SITE IN A LAWFUL MANNER.
22. AT THE BEGINNING OF THE PROJECT, THE CONTRACTOR MUST PROVIDE THE CONTRACTING OFFICER WITH TWO (2) COPIES OF MANUFACTURERS' EQUIPMENT INSTALLATION INSTRUCTIONS.
23. AT THE PROJECT COMPLETION, THE CONTRACTOR MUST PROVIDE A FOUR (4) HOUR MINIMUM TRAINING SESSION FOR AIRPORT MAINTENANCE PERSONNEL. THE SESSION WILL COVER THE INSTALLED EQUIPMENT.
24. AT THE PROJECT COMPLETION, THE CONTRACTOR MUST 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
25. SPLICES MUST BE MADE ONLY AT OUTLETS, JUNCTION BOXES OR ACCESSIBLE RACEWAY. SPLICES IN MANHOLES AND PULLCANS MUST BE MADE WITH L-823 CONNECTOR KITS, 3M SKOTCHCAST EPOXY RESIN KIT OR APPROVED EQUIVALENT.
26. ANTI-SEIZE COMPOUND MUST BE APPLIED TO THE BOLTS FOR PULLCANS, LIGHT BASES & EXTERIOR JUNCTION BOXES.
27. UNLESS OTHERWISE NOTED, BACKFILL MATERIAL AND COMPACTION MUST BE AS SPECIFIED IN CONTRACT DOCUMENTS.
28. AT EACH LIGHT FIXTURE AND PULLCAN PLAZA, PROVIDE 7' MINIMUM SLACK FOR EACH CABLE SO THAT EACH CONNECTION AND/OR FUTURE CONNECTION TO A CABLE CAN BE MADE OUTSIDE THE STRUCTURE.

FILE NAME: N:\14072\04 CAD\10-TAXIWAY S\14580-10-E701.dwg LAYOUT NAME: E701 PLOTTED: Wednesday, November 11, 2015 - 10:12am USER: nmm

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| DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE CORPUS CHRISTI, TEXAS NAS CORPUS CHRISTI AIRFIELD REPAIRS TAXILANE S SIGN SCHEDULE | |
| SCALE: | 1" = 30' |
| PROJECT NO.: | |
| CONSTR. CONTR. NO. | |
| NAVFAC DRAWING NO. | 15098409 |
| SHEET | 42 of 43 |
| E-701 | |
| DRAWFORM REVISION: 5 APRIL 2012 | |

