SPECIAL PROJECT RM12-0469
ENERGY AND RELIABILITY MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2

NAVAL AIR STATION OCEANA ◦ VIRGINIA BEACH, VIRGINIA

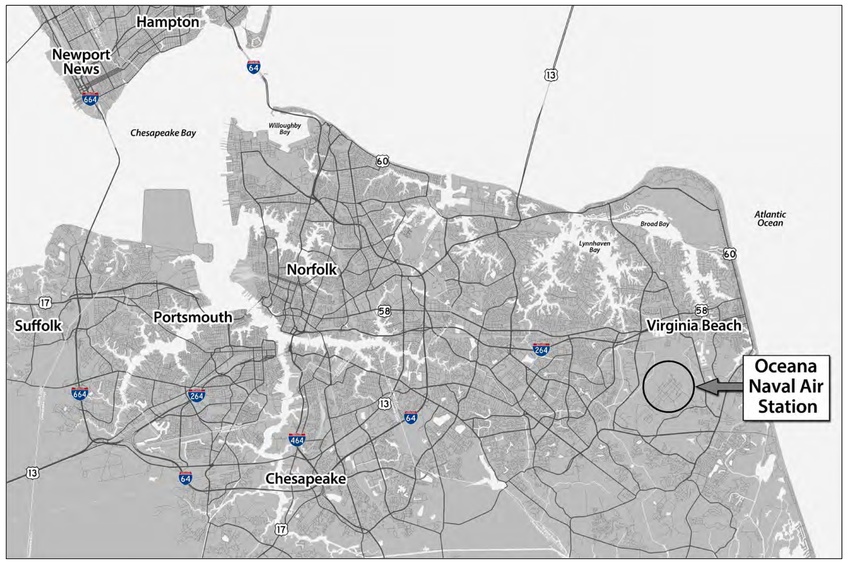
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC

N62470-12-D-2010 ◦ W.O. WE03

FINAL PLAN SET

MARCH 24, 2015

VOLUME II



VICINITY MAP

NTS

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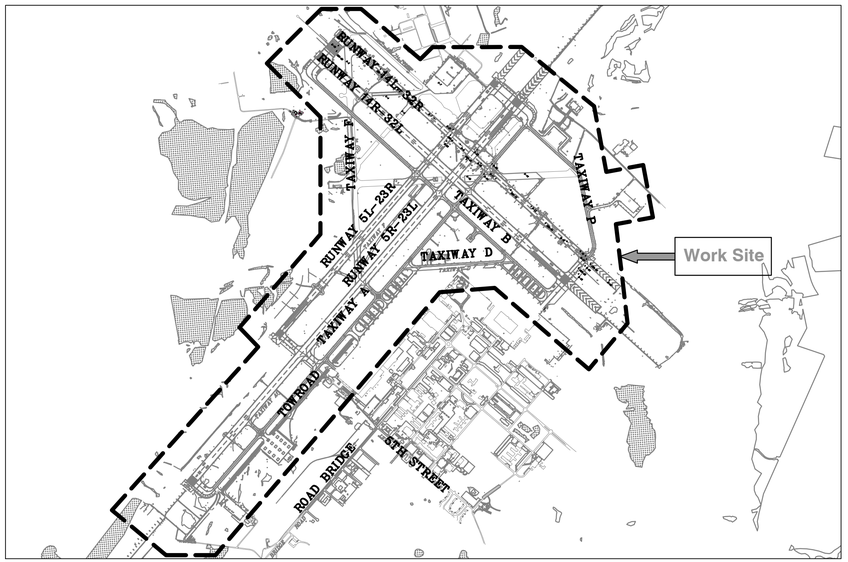

LOCATION MAP

N

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES. MJT DRN. DFD CHK. ELO

PM/DM

BRANCH MANAGER TJD

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA - VIRGINIA BEACH, VIRGINIA

NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2

TITLE SHEET

SCALE: AS NOTED

PROJECT NO.: 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
12691649

SHEET 116 OF 368

G-001

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\SMD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-G-001.dwg LAYOUT NAME: G-001 PLOTTED: Tuesday, March 24, 2015 - 1:40pm USER: Rhurst

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SYM	DESCRIPTION	DATE	APPR

David Parsley
COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER

A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY BY: DATE
DES: MJT DRW: DFD CHK: ELO
PM/DM
BRANCH MANAGER TLD
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA, VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
INDEX OF DRAWINGS – VOLUME I

SCALE: AS NOTED
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691650
SHEET 117 OF 368
G-002
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\10863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-C-002.dwg LAYOUT NAME: G-002 PLOTTED: Tuesday, March 24, 2015 - 1:47pm USER: Rhuntt

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133	ED105-A	12691666	PARTIAL SITE PLAN - DEMOLITION
134	ED110-B	12691667	PARTIAL SITE PLAN - DEMOLITION
135	ED112-B	12691668	PARTIAL SITE PLAN - DEMOLITION
136	ED114-C	12691669	PARTIAL SITE PLAN - DEMOLITION
137	ED116-C	12691670	PARTIAL SITE PLAN - DEMOLITION
138	ED118-B	12691671	PARTIAL SITE PLAN - DEMOLITION
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140	ED120-B	12691673	PARTIAL SITE PLAN - DEMOLITION
141	ED121-B	12691674	PARTIAL SITE PLAN - DEMOLITION
142	ED122-B	12691675	PARTIAL SITE PLAN - DEMOLITION
143	ED123-B	12691676	PARTIAL SITE PLAN - DEMOLITION
144	ED124-B	12691677	PARTIAL SITE PLAN - DEMOLITION
145	ED125-B	12691678	PARTIAL SITE PLAN - DEMOLITION
146	ED126-C	12691679	PARTIAL SITE PLAN - DEMOLITION
147	ED127-C	12691680	PARTIAL SITE PLAN - DEMOLITION
148	ED128-C	12691681	PARTIAL SITE PLAN - DEMOLITION
149	ED129-C	12691682	PARTIAL SITE PLAN - DEMOLITION
150	ED130-C	12691683	PARTIAL SITE PLAN - DEMOLITION
151	ED131-C	12691684	PARTIAL SITE PLAN - DEMOLITION
152	ED132-B	12691685	PARTIAL SITE PLAN - DEMOLITION
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154	ED134-B	12691687	PARTIAL SITE PLAN - DEMOLITION
155	ED135-B	12691688	PARTIAL SITE PLAN - DEMOLITION
156	ED136-B	12691689	PARTIAL SITE PLAN - DEMOLITION
157	ED137-B	12691690	PARTIAL SITE PLAN - DEMOLITION
158	ED138-C	12691691	PARTIAL SITE PLAN - DEMOLITION
159	ED139-C	12691692	PARTIAL SITE PLAN - DEMOLITION
160	ED140-C	12691693	PARTIAL SITE PLAN - DEMOLITION
161	ED141-C	12691694	PARTIAL SITE PLAN - DEMOLITION
162	ED143-C	12691695	PARTIAL SITE PLAN - DEMOLITION
163	ED144-C	12691696	PARTIAL SITE PLAN - DEMOLITION
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171	ED156-D	12691704	PARTIAL SITE PLAN - DEMOLITION
172	ED157-D	12691705	PARTIAL SITE PLAN - DEMOLITION
173	ED158-D	12691706	PARTIAL SITE PLAN - DEMOLITION
174	ED160-D	12691707	PARTIAL SITE PLAN - DEMOLITION
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204	EA129-C	12691737	PARTIAL SITE PLAN - CONSTRUCTION
205	EA130-C	12691738	PARTIAL SITE PLAN - CONSTRUCTION
206	EA131-C	12691739	PARTIAL SITE PLAN - CONSTRUCTION
207	EA132-B	12691740	PARTIAL SITE PLAN - CONSTRUCTION
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209	EA134-B	12691742	PARTIAL SITE PLAN - CONSTRUCTION
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212	EA137-B	12691745	PARTIAL SITE PLAN - CONSTRUCTION
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217	EA142-B	12691750	PARTIAL SITE PLAN - CONSTRUCTION
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220	EA146-C	12691753	PARTIAL SITE PLAN - CONSTRUCTION
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222	EA150-D	12691755	PARTIAL SITE PLAN - CONSTRUCTION
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225	EA153-D	12691758	PARTIAL SITE PLAN - CONSTRUCTION
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227	EA157-D	12691760	PARTIAL SITE PLAN - CONSTRUCTION
228	EA158-D	12691761	PARTIAL SITE PLAN - CONSTRUCTION
229	EA160-D	12691762	PARTIAL SITE PLAN - CONSTRUCTION
230	EA161-D	12691763	PARTIAL SITE PLAN - CONSTRUCTION
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277	EA704	12691810	HANDHOLE & MANHOLE DIAGRAMS - EXISTING AIRFIELD LTG.
278	EA705	12691811	HANDHOLE & MANHOLE DIAGRAMS - EXISTING AIRFIELD LTG.
279	EA706	12691812	HANDHOLE & MANHOLE DIAGRAMS - EXISTING AIRFIELD LTG.
280	EA707	12691813	HANDHOLE & MANHOLE DIAGRAMS - EXISTING AIRFIELD LTG.
281	EA708	12691814	HANDHOLE & MANHOLE DIAGRAMS - EXISTING AIRFIELD LTG.
282	EA709	12691815	HANDHOLE & MANHOLE DIAGRAMS - EXISTING AIRFIELD LTG.
283	EA710	12691816	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
284	EA711	12691817	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
285	EA712	12691818	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
286	EA713	12691819	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
287	EA714	12691820	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
288	EA715	12691821	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
289	EA716	12691822	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
290	EA717	12691823	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
291	EA718	12691824	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
292	EA719	12691825	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
293	EA720	12691826	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
294	EA721	12691827	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
295	EA722	12691828	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
296	EA723	12691829	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
297	EA724	12691830	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
298	EA725	12691831	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
299	EA726	12691832	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
300	EA727	12691833	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
301	EA728	12691834	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
302	EA729	12691835	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
303	EA730	12691836	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
304	EA731	12691837	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
305	EA732	12691838	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
306	EA733	12691839	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
307	EA734	12691840	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
308	EA735	12691841	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 AIRFIELD LTG.
309	EA736	12691842	HANDHOLE & MANHOLE DIAGRAMS - PHASE 2 AIRFIELD LTG.
310	EA737	12691843	HANDHOLE & MANHOLE DIAGRAMS - PHASE 2 AIRFIELD LTG.
311	EA738	12691844	HANDHOLE & MANHOLE DIAGRAMS - PHASE 2 AIRFIELD LTG.
312	EA739	12691845	HANDHOLE & MANHOLE DIAGRAMS - PHASE 2 AIRFIELD LTG.
313	EA740	12691846	HANDHOLE & MANHOLE DIAGRAMS - EXISTING POWER
314	EA741	12691847	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 POWER
315	EA742	12691848	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 POWER
316	EA743	12691849	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 POWER
317	EA744	12691850	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 POWER
318	EA745	12691851	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 POWER
319	EA746	12691852	HANDHOLE & MANHOLE DIAGRAMS - PHASE 2 POWER
320	EA747	12691853	HANDHOLE & MANHOLE DIAGRAMS - PHASE 2 POWER
321	EA748	12691854	HANDHOLE & MANHOLE DIAGRAMS - PHASE 2 POWER
322	EA749	12691855	HANDHOLE & MANHOLE DIAGRAMS - EXISTING COMM.
323	EA750	12691856	HANDHOLE & MANHOLE DIAGRAMS - EXISTING COMM.
324	EA751	12691857	HANDHOLE & MANHOLE DIAGRAMS - EXISTING COMM.
325	EA752	12691858	HANDHOLE & MANHOLE DIAGRAMS - EXISTING COMM.
326	EA753	12691859	HANDHOLE & MANHOLE DIAGRAMS - EXISTING COMM.
327	EA754	12691860	HANDHOLE & MANHOLE DIAGRAMS - EXISTING COMM.
328	EA755	12691861	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
329	EA756	12691862	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
330	EA757	12691863	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
331	EA758	12691864	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
332	EA759	12691865	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
333	EA760	12691866	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
334	EA761	12691867	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
335	EA762	12691868	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
336	EA763	12691869	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
337	EA764	12691870	HANDHOLE & MANHOLE DIAGRAMS - PHASE 1 COMM.
338	EA765	12691871	HANDHOLE & MANHOLE DIAGRAMS - PHASE 2 COMM.
339	ES501	12691872	ELECTRICAL SIGN DETAILS
340	ES601	12691873	AIRFIELD SIGNAGE SCHEDULES
341	ES602	12691874	AIRFIELD SIGNAGE SCHEDULES
342	E-401	12691875	VAULT E-3036 - SITE PLAN POWER
343	E-402	12691876	VAULT E-3036 - LIGHTING PLAN
344	E-403	12691877	VAULT E-3036 - POWER PLAN
345	E-404	12691878	VAULT E-101 - SITE PLAN POWER
346	E-405	12691879	VAULT E-101 - LIGHTING PLAN
347	E-406	12691880	VAULT E-101 - POWER PLAN
348	E-407	12691881	VAULT E-1120 - SITE PLAN POWER
349	E-408	12691882	VAULT E-1120 - LIGHTING PLAN
350	E-409	12691883	VAULT E-1120 - POWER PLAN
351	E-501	12691884	ELECTRICAL DETAILS
352	E-502	12691885	ELECTRICAL DETAILS
353	E-503	12691886	ELECTRICAL DETAILS
354	E-504	12691887	ELECTRICAL DETAILS
355	E-601	12691888	VAULT E-3036 - ONE LINE DIAGRAM
356	E-602	12691889	VAULT E-101 - ONE LINE DIAGRAM
357	E-603	12691890	VAULT E-1120 - ONE LINE DIAGRAM
358	E-604	12691891	OCEANA POWER DISTRIBUTION - ONE LINE DIAGRAM
359	E-605	12691892	OCEANA POWER DISTRIBUTION - ONE LINE DIAGRAM
360	E-606	12691893	OCEANA POWER DISTRIBUTION - ONE LINE DIAGRAM
361	E-607	12691894	OCEANA POWER DISTRIBUTION - ONE LINE DIAGRAM
362	E-608	12691895	OCEANA POWER DISTRIBUTION - ONE LINE DIAGRAM
363	E-609	12691896	AIRFIELD LIGHTING VAULTS - LIGHT FIXTURE SCH.
364	E-610	12691897	VAULTS E-3036 AND E-101 PANEL SCHEDULES
365	E-611	12691898	VAULT 1120 PANEL SCHEDULES
366	E-901	12691899	PHOTO SHEET
367	E-902	12691900	PHOTO SHEET
368	E-903	12691901	PHOTO SHEET

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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COMMONWEALTH OF VIRGINIA
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES. MJT DRN. DFD CHK. ELO

PM/DM

BRANCH MANAGER TJO

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR #FT
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
INDEX OF DRAWINGS – VOLUME II

SCALE: AS NOTED
PROJECT NO.: 1291651
CONSTR. CONTR. NO.:
NAVFAC DRAWING NO.
12691651
SHEET 118 OF 368
G-003

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\SWD\109863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-G-003.dwg LAYOUT NAME: G-003 PLOTTED: Tuesday, March 24, 2015 - 3:45pm USER: cadtson

DEMOLITION LEGEND:

UNDERGROUND DUCTBANK AND CABLES.
"X" INDICATES REMOVAL OF ALL CONDUIT, ENCASEMENT AND CABLES.
"[ ]" INDICATES LIMIT OF REMOVAL.

UNDERGROUND CONDUIT AND CABLES.
"X" INDICATES REMOVAL OF CONDUIT AND CABLES.
"[ ]" INDICATES LIMIT OF REMOVAL.

UNDERGROUND CONDUIT AND CABLES.
"/" INDICATES REMOVAL OF CABLES, CONDUIT TO BE ABANDONED UNLESS OTHERWISE NOTED.
"[ ]" INDICATES LIMIT OF REMOVAL.

R RT
ELEVATED RUNWAY EDGE OR THRESHOLD LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
"R" INDICATES REMOVAL.
"RT" INDICATES REMOVAL OF LIGHT BASE. LIGHT FIXTURE AND ISOLATION TRANSFORMER SHALL BE SALVAGED AND STORED SAFELY FOR REINSTALLATION DURING NEW CONSTRUCTION.

R RT
IN-PAVEMENT RUNWAY EDGE OR THRESHOLD LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
"R" INDICATES REMOVAL.
"RT" INDICATES REMOVAL OF LIGHT BASE. LIGHT FIXTURE AND ISOLATION TRANSFORMER SHALL BE SALVAGED AND STORED SAFELY FOR REINSTALLATION DURING NEW CONSTRUCTION.

R
IN-PAVEMENT RUNWAY CENTERLINE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
"RT" INDICATES REMOVAL OF LIGHT BASE. LIGHT FIXTURE AND ISOLATION TRANSFORMER SHALL BE SALVAGED AND STORED SAFELY FOR REINSTALLATION DURING NEW CONSTRUCTION.

RT
ELEVATED TAXIWAY EDGE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
"RT" INDICATES REMOVAL OF LIGHT BASE. LIGHT FIXTURE AND ISOLATION TRANSFORMER SHALL BE SALVAGED AND STORED SAFELY FOR REINSTALLATION DURING NEW CONSTRUCTION.
"RO" INDICATES REMOVAL OF LIGHT BASE. LIGHT FIXTURE AND ISOLATION TRANSFORMER SHALL BE SALVAGED AND TURNED OVER TO AIRFIELD OPERATIONS.

R
IN-PAVEMENT TAXIWAY EDGE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
"R" INDICATES REMOVAL.

R
WAVE-OFF LIGHT, INCLUDING LIGHT BASE AND CONCRETE FOUNDATION.
"R" INDICATES REMOVAL.

R
FUEL PIT FLOODLIGHT, INCLUDING LIGHT BASE.
"R" INDICATES REMOVAL.

R
AIRFIELD GUIDANCE SIGN, INCLUDING SIGN BASE, ISOLATION TRANSFORMER AND CONCRETE FOUNDATION.
"R" INDICATES REMOVAL.

R
WIND CONE ASSEMBLY, INCLUDING MAST, WIND SOCK, DISCONNECT SWITCH, OBSTRUCTION LIGHT, EXTERNAL LIGHTING AND CONCRETE FOUNDATION.
"R" INDICATES REMOVAL.

R
MANHOLE/HANDHOLE.
"R" INDICATES REMOVAL.

R R
PAD MOUNTED TRANSFORMER.
"R" INDICATES REMOVAL.

R R
CONTROL, POWER OR COMMUNICATIONS PANEL (AS INDICATED ON DRAWINGS).
"R" INDICATES REMOVAL.

R
IN-PAVEMENT APPROACH LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
"R" INDICATES REMOVAL.

ELEVATED APPROACH LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.

R
OBSTRUCTION LIGHT.
"R" INDICATES REMOVAL.

R
DUAL OBSTRUCTION LIGHT.
"R" INDICATES REMOVAL.

ALSF-1 APPROACH 5-LIGHT BAR WITH MANHOLE, TO REMAIN

ALSF-1 APPROACH 5-LIGHT BAR, TO REMAIN

ALSF-1 APPROACH 3-LIGHT BAR, TO REMAIN

ALSF-1 APPROACH 8-LIGHT BAR, TO REMAIN

CONSTRUCTION LEGEND:

CONCRETE ENCASED DUCTBANK WITH 1-#4 COUNTERPOISE WIRE ABOVE DUCTBANK. DUCTBANK CONDUIT QUANTITY AND SIZE AS NOTED ON CONSTRUCTION PLANS.

DIRECT BURIED CONDUIT WITH 1-#4 COUNTERPOISE WIRE ABOVE DUCTBANK. DUCTBANK CONDUIT QUANTITY AND SIZE AS NOTED ON CONSTRUCTION PLANS.

DIRECTIONALLY DRILLED DUCTBANK WITH 1-#4 COUNTERPOISE WIRE ABOVE DUCTBANK. DUCTBANK CONDUIT QUANTITY AND SIZE AS NOTED ON CONSTRUCTION PLANS.

DIRECT BURIED CONDUIT WITH 1-#4 COUNTERPOISE WIRE ABOVE CONDUIT. CONDUIT SIZE SHALL BE 2" FOR AIRFIELD LIGHTING, 4" FOR COMMUNICATIONS AND 5" FOR POWER.
"//" NO. OF TICK MARKS INDICATES NO. OF #6, 5KV, L-824 TYPE B CABLES. CIRCUIT DESIGNATION AS INDICATED ON DRAWINGS.
"◯" INDICATES (1) SEPARATE INTERLEAVED CONDUIT PER CABLE

W RC Y
L-862 BIDIRECTIONAL ELEVATED RUNWAY EDGE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO., LENS COLOR AND CIRCUIT DESIGNATION AS INDICATED.
"RC" INDICATES REINSTALLATION OF SALVAGED CENTERLINE LIGHT AND ISOLATION TRANSFORMER USING A NEW LIGHT BASE. SEE ELECTRICAL LEGEND NOTE #3 FOR ADDITIONAL INFORMATION.

B R
L-862E BIDIRECTIONAL ELEVATED RUNWAY THRESHOLD LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO., LENS COLOR AND CIRCUIT DESIGNATION AS INDICATED.

B RC R
L-850C BIDIRECTIONAL IN-PAVEMENT RUNWAY EDGE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO., LENS COLOR AND CIRCUIT DESIGNATION AS INDICATED.
"RC" INDICATES REINSTALLATION OF SALVAGED CENTERLINE LIGHT AND ISOLATION TRANSFORMER USING A NEW LIGHT BASE. SEE ELECTRICAL LEGEND NOTE #3 FOR ADDITIONAL INFORMATION.

B R
L-850D BIDIRECTIONAL IN-PAVEMENT RUNWAY THRESHOLD LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO., LENS COLOR AND CIRCUIT DESIGNATION AS INDICATED.

W RC R
L-850A BIDIRECTIONAL IN-PAVEMENT RUNWAY CENTERLINE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO. AND CIRCUIT DESIGNATION AS INDICATED.
"RC" INDICATES REINSTALLATION OF SALVAGED CENTERLINE LIGHT AND ISOLATION TRANSFORMER USING A NEW LIGHT BASE. SEE ELECTRICAL LEGEND NOTE #3 FOR ADDITIONAL INFORMATION.

RE
L-861T OMNI-DIRECTIONAL ELEVATED TAXIWAY EDGE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO. AND CIRCUIT DESIGNATION AS INDICATED.
"RE" INDICATES REINSTALLATION OF SALVAGED TAXIWAY LIGHT AND ISOLATION TRANSFORMER USING A NEW LIGHT BASE.

RE
L-852T OMNI-DIRECTIONAL IN-PAVEMENT TAXIWAY EDGE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO. AND CIRCUIT DESIGNATION AS INDICATED.
"RE" INDICATES REINSTALLATION OF SALVAGED TAXIWAY LIGHT AND ISOLATION TRANSFORMER USING A NEW LIGHT BASE.

B G
L-852C UNI-DIRECTIONAL IN-PAVEMENT TAXIWAY EDGE LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO. AND CIRCUIT DESIGNATION AS INDICATED.

WAVE-OFF LIGHT, INCLUDING LIGHT BASE AND CONCRETE FOUNDATION.
LIGHT NO. AND CIRCUIT DESIGNATION AS INDICATED.

#
FUEL PIT FLOODLIGHT, INCLUDING LIGHT BASE.
"#" INDICATES CIRCUIT DESIGNATION.

L-852G UNIDIRECTIONAL IN-PAVEMENT RUNWAY GUARD LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO. AND CIRCUIT DESIGNATION AS INDICATED.

L-804 UNIDIRECTIONAL ELEVATED RUNWAY GUARD LIGHT, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER.
LIGHT NO. AND CIRCUIT DESIGNATION AS INDICATED.

L-858 AIRFIELD GUIDANCE, ARRESTING GEAR OR RUNWAY DISTANCE REMAINING SIGN, INCLUDING SIGN BASE AND ISOLATION TRANSFORMER.
SIGN NO. AND CIRCUIT DESIGNATION AS INDICATED.
"CE" INDICATES CONNECTION TO EXISTING RUNWAY LIGHTING CIRCUIT AS INDICATED.

L-807 WIND CONE ASSEMBLY, INCLUDING 12'-0" MAST, WIND SOCK, DISCONNECT SWITCH, OBSTRUCTION LIGHT AND EXTERNAL LIGHTING ASSEMBLY.

ARM/DISARM PAD STATIC GROUND RECEPTACLE.

IN-PAVEMENT APPROACH LIGHT, INCLUDING LIGHT BASE AND ISO XFMR

CONSTRUCTION LEGEND:

4A EXXX
ELECTRICAL MANHOLE/HANDHOLE.
"EXXX" INDICATES ELECTRICAL, "CXXX" INDICATES COMMUNICATION/CONTROL, "AXXX" INDICATES AIRFIELD LIGHTING,
"LXXX" INDICATES LOW VOLTAGE
"4A" INDICATES TYPE 4A HANDHOLE
"MH" INDICATES TYPE 5 MANHOLE

CONTROL, POWER OR COMMUNICATIONS PANELS (AS INDICATED ON DRAWINGS).

OPTICAL LANDING SYSTEM PAD MOUNTED TRANSFORMER WITH RACK MOUNTED PANELS AND CONTROL CABINETS.

OPTICAL LANDING SYSTEM RECEPTACLE.

OBSTRUCTION LIGHT, REFER TO DETAIL 2, SHEET EA509

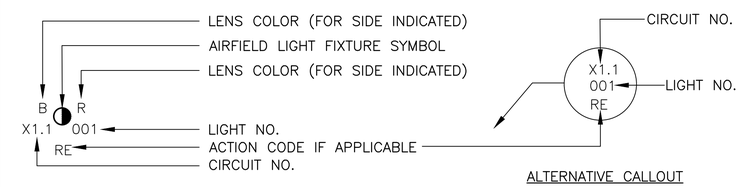
DUAL OBSTRUCTION LIGHT, REFER TO DETAIL 3, SHEET EA509

C
LIGHTING CONTACTOR PANEL

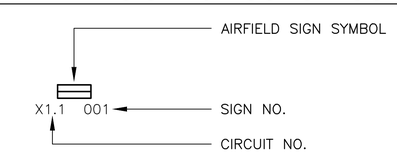
S T
FLOOD LIGHTING CONTROL STATION. REFER TO DETAIL 2 AND 3 FOR WIRING DIAGRAM AND 4 FOR ELEVATION VIEW.

DEMARCATION POINT CONNECT NEW TO EXISTING

TYPICAL AIRFIELD LIGHTING CONSTRUCTION CALLOUT:



TYPICAL AIRFIELD SIGNAGE CONSTRUCTION CALLOUT:



AIRFIELD LIGHT FIXTURE COLOR LEGEND:

"B" INDICATES BLANK/OBSCURE (NO LIGHT OUTPUT)

"G" INDICATES GREEN LENS COLOR

"R" INDICATES RED LENS COLOR

"W" INDICATES WHITE LENS COLOR

"Y" INDICATES YELLOW LENS COLOR

ELECTRICAL LEGEND NOTES:

1. ALL DEMOLITION LEGEND SYMBOLS THAT ARE SHOWN ON THE PLANS WITHOUT A DEMOLITION DESIGNATION (I.E. – "R", "RC", "RT" OR "RL") ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

2. SEE "AIRFIELD LIGHT FIXTURE COLOR LEGEND" ON THIS SHEET FOR LIGHT/LENS COLOR DESIGNATIONS FOR LIGHT FIXTURES.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO
APPROVED
CDR COMMANDER NAVFAC
ACTIVITY
CERTIFICATION TO: DATE
DES: SL DRN: RRC CHK: DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL LEGEND 1

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691652
SHEET 119 OF 368
E-001

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\SMO\109963_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-E-001.dwg LAYOUT NAME: E-001 PLOTTED: Tuesday, March 24, 2015 - 10:31am USER: Rhorst

LIGHTING:

- FLUORESCENT LIGHTING FIXTURE
- HID OR INCANDESCENT LIGHT FIXTURE DEDICATED FOR EMERGENCY/STANDBY ILLUMINATION
- POLE STANDARD LIGHT FIXTURE (ONE LUMINAIRE INDICATED)
- EXIT SIGN FIXTURE (SINGLE FACE UNIVERSAL WALL MOUNTED)
- EXIT SIGN FIXTURE W/DIRECTIONAL ARROWS (DOUBLE FACE UNIVERSAL MOUNT INDICATED)
- EXIT LIGHTING FIXTURE. ARROW, WHEN USED, INDICATES DIRECTION
- S — SWITCH, SINGLE POLE
- S_3 — SWITCH, 3-WAY
- EMERGENCY BATTERY POWERED LIGHTING UNIT
- A — LIGHTING FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE ON SHEET XXX
- EXISTING PAD MOUNTED SWITCH
- PAD MOUNTED SWITCH
- INDICATES FRONT EXISTING PAD MOUNTED TRANSFORMER
- INDICATES FRONT PAD MOUNTED TRANSFORMER
- COMBINATION EMERGENCY BATTERY POWERED LIGHTING UNIT/EXIT LIGHT FIXTURE

GROUNDING:

- EARTH GROUND
- GROUND ROD
- GROUND TEST WELL
- EXOTHERMIC WELD
- GROUND PIGTAIL
- GROUND BAR

PANELBOARDS:

- PANELBOARD-208/120V, 3-PHASE
- PANELBOARD-480/277V, 3-PHASE
- PANELBOARD-120/240V

GENERAL POWER:

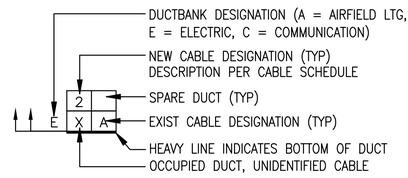
- WP — DENOTES SPECIFIC DEVICE REQUIREMENTS-SEE ABBREVIATIONS
- GFI — DUPLEX RECEPTACLE, 20 AMP RATED; DENOTES SPECIFIC DEVICE REQUIREMENTS-SEE ABBREVIATIONS
- J — JUNCTION BOX
- 3P 60 40 — DISCONNECT SWITCH; 3P = NO. OF POLES, 60 = SWITCH RATING, 40 = FUSE RATING
- F — FUSED DISCONNECT SWITCH
- MOTOR STARTER
- COMBINATION MOTOR STARTER
- CONTACTOR
- S_M — MANUAL MOTOR STARTER SWITCH WITHOUT OVERLOADS
- S_{MT} — MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOADS
- S_{MP} — MANUAL MOTOR STARTER SWITCH WITHOUT OVERLOADS WITH PILOT LIGHT
- MOTOR (HORSEPOWER INDICATED ON PLANS)
- T — DRY TYPE TRANSFORMER
- GENERATOR
- T — THERMOSTAT
- SPD — SURGE PROTECTION DEVICE
- UNIT HEATER
- SPECIAL PURPOSE RECEPTACLE
- E — EQUIPMENT CONNECTION AS NOTED
- F — FUSED DISCONNECT SWITCH

MISCELLANEOUS:

- A / E5 — SECTION IDENTIFICATION; SECTION NOMENCLATURE; SHEET NUMBER ON WHICH SECTION IS SHOWN — BLDG PLANS
- A / E5 — SITE WORK
- 2 / E5 — DETAIL IDENTIFICATION; DETAIL NOMENCLATURE; SHEET NUMBER ON WHICH DETAIL IS SHOWN
- C — COMMUNICATION
- E — ELECTRIC UNDERGROUND PRIMARY
- ES — ELECTRIC UNDERGROUND SECONDARY
- T — TELEPHONE
- OHE — OVERHEAD ELECTRIC
- OHT — OVERHEAD TELEPHONE
- G — GROUNDING
- POWER POLE (HEIGHT AND CLASS AS INDICATED)
- HH-x — HANDHOLE OR MANHOLE
- MH-x — EXISTING MANHOLE OR HANDHOLE
- REMOVABLE BOLLARD
- NON-REMOVABLE BOLLARD
- MDP-1/1 — PANEL NAME AND NUMBER; CIRCUIT DESIGNATION

CONDUIT FEEDERS & BRANCH CIRC:

- CONDUIT FEEDERS (TYP); JUNCTION BOX INDICATION; ON POWER AND LIGHTING JUNCTION BOX SIZED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE
- BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT
- CONDUIT – CONCEALED IN WALL OR CEILING
- CONDUIT – EMBEDDED IN FLOOR OR EARTH
- CONDUIT TURNED
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- CONDUIT CAPPED
- 2 — IN-LINE HOME RUN; CIRCUIT NUMBER
- CIRCUIT HOME RUN
- 10 — CONDUIT FEEDER IDENTIFICATION (SEE FEEDER LEGEND ON DRAWING)
- (3)#8, (1)#10 GRD-1"C. — CONDUIT FEEDER IDENTIFICATION
- TYPICAL FEEDER WITH NO SIZE IDENTIFICATION.... BY DEFAULT; (2)#12, (1)#12 GRD-3/4" CONDUIT FOR SINGLE PHASE CIRCUITS. -OR- BY DEFAULT; (3)#12, (1)#12 GRD-3/4" CONDUIT FOR THREE PHASE CIRCUITS. ALL OTHER FEEDERS WILL BE INDENTIFIED.
- G — EXISTING ONE WIRE GROUND (STATIC) – 3/8" STEEL
- S — REMOVE EXISTING OPEN 3 WIRE 240/480 VOLT SECONDARY CIRCUIT
- UP — UNDERGROUND CONDUIT CONCRETE ENCASED (UP = UNDERGROUND PRIMARY)
- US — EXISTING UNDERGROUND CONDUIT. CONCRETE ENCASED (US = UNDERGROUND SECONDARY)
- USL — REMOVE EXISTING CIRCUIT. ABANDON CONDUIT IN PLACE



SINGLE LINE:

- MOLDED CASE CIRCUIT BREAKER
- FUSED SWITCH
- DISCONNECT SWITCH
- DELTA CONNECTION
- GROUNDED WYE CONNECTION
- CABLE OR BUS, TYPE AND CHARACTERISTICS AS INDICATED
- MOTOR STARTER
- S_M^{XP} — MANUAL MOTOR STARTER WITH MOTOR OVERLOAD PROTECTION. XP INDICATES RATED FOR CLASS 1, DIVISION 1, GROUP D LOCATION.
- M — MOTOR TERMINATION
- AUTOMATIC TRANSFER SWITCH
- 1AL / S1 — MOTOR STARTER LOCATED IN MCC. "1" INDICATES SECTION POSITION; "A" INDICATES BUCKET POSITION; "L" INDICATES LEFT OR RIGHT POSITION; "S1" INDICATES STARTER TYPE AND SIZE. IN THIS EXAMPLE. SIZE 1 FVNR.
- M — METER AS NOTED
- GF — GROUND FAULT SENSOR
- DPM — DIGITAL POWER METER
- S_b^x — SWITCH, TOGGLE; "b" DENOTES SWITCH CONTROL; "X=2" DENOTES TWO POLE SWITCH; "X=3" DENOTES THREE POLE SWITCH; "X=4" DENOTES FOUR POLE SWITCH; "WP" DENOTES WEATHER PROOF; "T" DENOTES TIMER SWITCH
- MOD — MOTOR OPERATED DAMPER
- POWER TRANSFORMER
- EXISTING TO NEW CONNECTION
- CUTOFF SWITCH

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
INITIATOR'S IN: DATE:
DES: SJM DRN: SJM CHK: MG
PM/CM
BRANCH MANAGER: WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL LEGEND 2

SCALE: NOT TO SCALE
PROJECT NO.: 1291651
CONSTR. CONTR. NO.:
NAVFAC DRAWING NO.: 12691653
SHEET 120 OF 368
E-002

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100663_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0663-008-E-002.dwg LAYOUT NAME: E-002 PLOTTED: Tuesday, March 24, 2015 - 10:31am USER: Rhurst

GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED AS REQUIRED BY APPLICABLE SECTIONS OF THE LATEST EDITION OF NFPA 70, THE NATIONAL ELECTRICAL CODE, IEEE C2, NAVAIR 51–50AAA–2, ALL APPLICABLE UFC STANDARDS AND SPECIFICATIONS, FAA ADVISORY CIRCULARS AND ALL GOVERNING LOCAL CODES, LAWS, AND/OR REGULATIONS.

2. ALL WORK SHALL COMPLY WITH GUIDELINES IN UFC 3–260–01, PARAGRAPH B14–6.7, SPECIAL SAFETY REQUIREMENTS DURING CONSTRUCTION, FOR SETBACK DISTANCES OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL ESTABLISH, IN ADVANCE, A SPECIFIC DEMARCATION OR HOLD LINE LOCATION FOR PERSONNEL AND EQUIPMENT DURING THE TIMES OF WORK INTERRUPTION TO ENSURE THE SAFETY OF THE CONTRACTOR AND AIRCRAFT OPERATIONS.

3. CONTRACTOR SHALL, IN THE PRESENCE OF THE CONTRACTING OFFICER, PERFORM A SURVEY OF EXISTING EDGE LIGHTS, THRESHOLD LIGHTS, CENTERLINE LIGHTS, WAVE OFF LIGHTS AND RUNWAY DISTANCE REMAINING MARKERS TO ASSESS AND DOCUMENT THE LOCATION OF ANY NON–FUNCTIONAL OR DAMAGED LIGHTING UNITS OR ASSOCIATED EQUIPMENT PRIOR TO CONSTRUCTION. ANY DAMAGE OR LOSS OF FUNCTION SHOWN TO HAVE OCCURRED DURING CONSTRUCTION SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE GOVERNMENT.

4. CONSTRUCTION AND MAINTENANCE BY OTHERS MAY OCCUR CONCURRENTLY AND IN THE VICINITY OF CONSTRUCTION ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH OTHER CONTRACTORS AND COOPERATE WITH THE MAINTENANCE CREWS WHEN WORKING ON THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER TRADES' DRAWINGS AND SPECIFICATIONS AND COORDINATING WITH ALL OTHER TRADES DURING BIDDING AND CONSTRUCTION.

5. THREE WEEKS PRIOR TO REMOVAL OR EXISTING CABLES OR EXCAVATING IN AREA OF EXISTING UNDERGROUND CONDUITS THE CONTRACTOR SHALL MEET WITH THE CONTRACTING OFFICER TO DETERMINE TAXIWAY OR RUNWAY CLOSURE TIMES AND DURATIONS. THE CONTRACTOR SHALL ARRANGE FOR OCEANA PERSONNEL TO BE ON SITE DURING WORK ON AIRFIELD LIGHTING CABLES. THE CONTRACTOR SHALL IDENTIFY AND MARK ALL AIRFIELD LIGHTING CABLES PRIOR TO ANY WORK.

6. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATIONS.

7. THE LOCATIONS OF UNDERGROUND UTILITIES AND FACILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE BELIEVED TO BE CORRECT. NO GUARANTEE IS MADE AS TO THEIR ACCURACY OR COMPLETENESS. COORDINATE ALL ELECTRICAL ITEMS WITH EXISTING FIELD CONDITIONS. LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE MINOR ADJUSTMENT IN THE FIELD TO SATISFY THE DESIGN INTENT.

8. THE CONTRACTOR SHALL LOCATE AND IDENTIFY ALL UNDERGROUND UTILITIES IN THE WORK AREA PRIOR TO CONSTRUCTION. ANY UNDERGROUND UTILITIES LOCATED WHICH DO NOT APPEAR ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER.

9. ANY DAMAGE TO FACILITIES CAUSED BY THE CONTRACTOR SHALL BE PROMPTLY REPAIRED AT THE CONTRACTORS EXPENSE. THE CONTRACTING OFFICER MAY ELECT TO HAVE THE REPAIR PERFORMED BY OTHERS IN WHICH CASE THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING THE INCURRED COSTS OF REPAIRS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUITY OF ALL POWER, CONTROL, AND COMMUNICATION FUNCTIONS TO ALL AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.COORDINATE ALL DOWN TIME OF SYSTEMS WITH THE CONTRACTING OFFICER.

11. ALL EMPTY CONDUITS SHALL HAVE PULL ROPE INSTALLED.

12. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND PROPOSED CONSTRUCTION. CONTRACTOR SHALL INCLUDE IN THEIR BID ALL MATERIAL, LABOR AND ALL INCIDENTALS FOR A COMPLETE INSTALLATION WHETHER SPECIFICALLY CALLED FOR OR NOT. ALL ERRORS, DISCREPANCIES AND MISSED ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PROCESS BY THE CONTRACTOR. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE. NO EXTRA COST WILL BE ALLOWED FOR ANY DISCREPANCY WHICH COULD HAVE BEEN NOTICED AT THE SITE VISIT BY THE CONTRACTOR.

13. THE CONTRACTOR SHALL THOROUGHLY INSPECT THE SITE PRIOR TO CONSTRUCTION TO VERIFY EXISTING CONDITIONS AND SHALL PROVIDE ALL NECESSARY STAKE OUT OF LINE AND GRADE FOR CONDUIT FOR THE ENGINEER'S APPROVAL PRIOR TO EXCAVATION.

10. THE CONTRACTOR IS RESPONSIBLE FOR PATCHING PAVEMENT AFFECTED BY PROPOSED DUCT SYSTEM OR CONDUIT INSTALLATION. SEE PAVEMENT DETAILS SHEET FOR APPROPRIATE DETAILS.

11. THE CONTRACTOR SHALL STAKE OUT EACH LIGHT BASE FOR THE CONTRACTING OFFICERS APPROVAL PRIOR TO EXCAVATION.

12. IN THE EVENT ANY OBSTRUCTIONS AND/OR UTILITIES NOT SHOWN ON THE PLANS ARE ENCOUNTERED DURING CONSTRUCTION ALL WORK SHALL STOOP AND THE CONTRACTING OFFICER NOTIFIED PRIOR TO PROCEEDING WITH WORK.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, SUPPORTING, AND PROTECTING EXISTING UTILITIES AND ALL NECESSARY COORDINATION. DAMAGE TO EXISTING FACILITIES (PIPING, CONDUIT, DUCTWORK, ELEVATED OR IN–PAVEMENT LIGHT, AIRFIELD SIGN, ETC) SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.

14. CONSTRUCTION LIMITS – ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES.

15. SEE PHASING PLANS AND KEYNOTES FOR SEQUENCE OF ELECTRICAL WORK.

16. ALL FIXTURE, EQUIPMENT AND STRUCTURE LOCATIONS AND ELEVATIONS QUOTED IN THESE DOCUMENTS MUST BE VERIFIED AND ADJUSTED IF NECESSARY BY THE CONTRACTOR TO AVOID ANY UNFORESEEN OBSTRUCTIONS AND TO COMPLY WITH ALL REQUIREMENTS OF ALL APPLICABLE NAVFAC, UFC, FAA AND NAS OCEANA REQUIREMENTS.

17. DRAWINGS ARE DIAGRAMMATIC IN NATURE, CONTRACTOR SHALL VERIFY DIMENSIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER DIVISION TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. CONTRACTOR SHALL COORDINATE LOCATION OF FIXTURES, DEVICES, ETC. WITH OTHER TRADES IN ORDER TO AVOID INTERFERENCES.

18. ARCHITECTURAL FEATURES SHOWN ON THESE DRAWINGS ARE FOR BACKGROUND INFORMATION ONLY. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ACTUAL BUILDING CONSTRUCTION OF WALL AND CURBS. REFER TO EQUIPMENT DRAWINGS FOR ACTUAL LOCATION OF EQUIPMENT.

19. SYSTEM AND EQUIPMENT GROUNDING CONTINUITY SHALL BE ASSURED AS REQUIRED BY APPLICABLE SECTIONS OF THE NATIONAL ELECTRICAL CODE.

20. ALL WIRING SHALL BE TYPE "XHHW" UNLESS OTHERWISE NOTED; MINIMUM WIRING SHALL BE #12 (POWER WIRE). ALL WIRE SHALL BE COPPER. MINIMUM CONDUIT SIZE SHALL BE 3/4".

21. ALL CIRCUIT PROTECTIVE DEVICES SHALL HAVE THE REQUIRED RATING INTERRUPTING CAPACITY EQUAL TO OR GREATER THAN THE AVAILABLE SHORT–CIRCUIT CURRENT AT ITS SUPPLY TERMINAL; MINIMUM INTERRUPTING CAPACITY SHALL BE 10,000 AMPS, SYMMETRICAL A.I.C. FOR 120/208V SYSTEMS AND 14,000 AMPS SYMMETRICAL A.I.C. FOR 277/480V SYSTEMS. REFER TO PANEL SCHEDULES FOR A.I.C. RATINGS.

22. PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, COORDINATION, ADDITIONAL DESIGN AND ALL INCIDENTALS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS DETAILED ON PLANS TO THE SATISFACTION OF THE ENGINEER AND THE CONTRACTING OFFICER. COORDINATE ALL WORK WITH THE CONTRACTING OFFICER AND ENGINEER BEFORE THE START OF WORK. ALL WORK SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL CONTRACTOR LICENSED IN THE STATE OF VIRGINIA THAT HAS PREVIOUSLY PERFORMED WORK OF THIS SIZE AND TYPE.

23. MATERIAL AND EQUIPMENT SHALL BE FAA, UL, NEMA, ANSI, IEEE, ADA & CBM APPROVED OR CERTIFIED AS REQUIRED FOR INTENDED SERVICE. MATERIAL AND INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND STATE ELECTRICAL CODE, UFC AND NAVFAC STANDARDS.

24. THE CONTRACTOR SHALL GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE REQUIRED NOTICES, PERMITS, LICENSES, FEES, BACK CHARGES AND APPROVALS REQUIRED FOR THIS PROJECT.

25. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET MUST BE COMPLETE AND CURRENT AND AVAILABLE FOR INSPECTION WHEN REQUISITIONS FOR PAYMENT ARE SUBMITTED.

26. ALL WORK AND MATERIALS SHALL BE GUARANTEED IN WRITING FOR TWO YEARS FROM DATE OF FINAL ACCEPTANCE. REPAIR OR REPLACE DEFECTIVE MATERIALS OR INSTALLATION AT NO COST TO OWNER DURING THE GUARANTEE PERIOD. CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE AT NO COST TO OWNER. SUBMIT GUARANTEE TO OWNER BEFORE FINAL PAYMENT.

27. UPON REMOVAL, CONTRACTOR SHALL INVENTORY MAJOR ELECTRICAL ITEMS THAT ARE REMOVED AND PROVIDE A LIST TO THE OWNER FOR THEIR SELECTION OF ITEMS TO BE RETAINED. ALL ITEMS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

28. LIGHTING BALLASTS AND CAPACITORS CONTAINING PCB's AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA), SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, FEDERAL, AND EPA REGULATIONS.

29. PROVIDE CONCRETE FOUNDATION HOUSEKEEPING PADS FOR ALL FLOOR AND GROUND MOUNTED EQUIPMENT.

30. REFER TO CIVIL CONSTRUCTION PLAN DRAWINGS FOR SIGN LEGENDS.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER, NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES RCH DRW RCH CHK DJP

PM/CM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR #T

NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA

ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2

ELECTRICAL GENERAL NOTES

SCALE NONE
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691654
SHEET 121 OF 368

E-003

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabilit\CADD\ELECTRICAL\10-0863-008-E-003.dwg LAYOUT NAME: E-003 PLOTTED: Tuesday, March 24, 2015 - 10:31am USER: Rhurst

ELECTRICAL DEMOLITION GENERAL NOTES:

1. PRIOR TO REMOVAL OF ANY WIRING OR CONDUIT SYSTEM THE CONTRACTOR SHALL VERIFY WIRING IS INACTIVE AND/OR PROVISIONS HAVE BEEN MADE TO RE-ROUTE AND RE-ESTABLISH ACTIVE CIRCUITRY.

2. PRIOR TO REMOVAL OF ANY AIRFIELD ELECTRICAL FIXTURE, COMPONENT, ETC. THE CONTRACTOR IS RESPONSIBLE FOR EVALUATING THE CONDITION OF THE ITEM AND REPORTING ANY DAMAGE TO THE RESIDENT ENGINEER PRIOR TO ITS REMOVAL. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY EQUIPMENT DAMAGED AFTER REMOVAL OF THE ITEM.

3. ANY AIRFIELD VISUAL AIDS BEING REMOVED, IF NOT IDENTIFIED FOR REINSTALLATION, AT THE DISCRETION OF THE CONTRACTING OFFICER, ARE TO BE TURNED OVER TO THE BASE AND DELIVERED TO A LOCATION SPECIFIED BY THE CONTRACTING OFFICER.

4. THE CONTRACTOR IS RESPONSIBLE TO STORE AND PROTECT ANY FIXTURES OR EQUIPMENT TO BE RE-INSTALLED. THE QUANTITY OF EXISTING FIXTURES TO BE RE-INSTALLED MUST BE VERIFIED BY THE CONTRACTOR, ALL FIXTURES AND EQUIPMENT REMOVED AND NOT SLATED FOR RE-INSTALLATION SHALL BE DISPOSED OF PER THE CONTRACT DOCUMENTS.

   * SALVAGE TAXIWAY ISOLATION TRANSFORMERS.

5. THE EXISTING ELECTRICAL, UNLESS OTHERWISE INDICATED TO BE REMOVED BY NOTE OR LEGEND AS SHOWN ON THE PLANS SHALL REMAIN.

WORK AFFECTING OCEANA OPERATIONS:

1. THE CONTRACTOR SHALL COORDINATE THE CLOSURE OF THE RUNWAYS, TAXIWAYS OR APRON WITH THE AIRFIELD MANAGER.

2. THE CONTRACTOR SHALL PROVIDE, IN WRITING, NOTICE TO THE CONTRACTING OFFICER THEIR INTENT TO CLOSE ANY RUNWAY, TAXIWAY, OR APRON. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. THE CONTRACTOR MUST HAVE ALL EQUIPMENT AND MATERIALS FOR THIS WORK ON-SITE PRIOR TO SHUTDOWN. THE CONTRACTOR SHALL SUBMIT A WORK PLAN WITH THE NOTICE, DEPICTING LOCATION OF THE CLOSURE BARRICADES, LIGHTS, ETC. THIS PLAN MUST HAVE APPROVAL FROM THE CONTRACTING OFFICER AND AIRFIELD OPERATIONS BEFORE CLOSURE CAN TAKE PLACE. PLAN WILL ALSO INCLUDE SCHEDULE AND PROCEDURES SET TO REOPEN THE FACILITIES TO AIRCRAFT TRAFFIC. PAVEMENTS SHALL BE CLEANED AND OPERATIONALLY SAFE FOR AIRCRAFT.

FOREIGN OBJECT DAMAGE (FOD):

1. THE CONTRACTOR SHALL PROVIDE FOD CONTROL AND SAFETY BARRICADES AROUND THE PERIMETER OF ALL WORK AREAS ON THE AIRFIELD. FINAL LOCATION OF THE BARRICADES SHALL BE APPROVED BY THE CONTRACTING OFFICER AND BY THE AIRFIELD OPERATIONS. OPERATIONAL REQUIREMENTS MAY REQUIRE BARRICADES AT OTHER LOCATIONS. BARRICADES WILL NEED TO BE RELOCATED AS THE WORK PROGRESSES OR DUE TO OPERATIONAL CHANGES DETERMINED BY THE AIRFIELD MANAGER.

2. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE FACILITY INSTRUCTIONS FOR CONDUCTING AIRFIELD SYSTEMS OPERATIONS CHECKS AND VISUAL INSPECTION/FOD WALKDOWNS OF RUNWAY ENVIRONMENTS.

3. THE CONTRACTOR SHALL BRIEF ALL PERSONNEL WORKING ON SITE WITH PROPER FOD PREVENTION TECHNIQUES.

4. THE CONTRACTOR SHALL CHECK AND MAINTAIN BARRICADES DAILY.

5. THE CONTRACTOR SHALL POWER BROOM ALL AIRFIELD PAVEMENTS AFFECTED BY HIS OPERATIONS. THE CONTRACTING OFFICER MUST APPROVE THE CONDITION OF PAVEMENT PRIOR TO REOPENING PAVEMENT TO AIRCRAFT TRAFFIC.

ENVIRONMENTAL:

1. SHOULD HISTORIC SITES (WALLS, PLATFORMS, PAVEMENTS, MOUNDS) OR REMAINS (ARTIFACTS, BURIALS) BE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, WORK SHALL CEASE IMMEDIATELY IN THE VICINITY OF THE FIND AND THE AREA SHALL BE PROTECTED FROM FURTHER DAMAGE. THE CONTRACTOR AND/OR CONTRACTING OFFICER SHALL IMMEDIATELY CONTACT THE NAVAL AIR STATION OCEANA ENVIRONMENTAL DIRECTOR. THE CONTRACTING OFFICER WILL BE RESPONSIBLE FOR CONTACTING THE STATE HISTORIC PRESERVATION OFFICE, IF REQUIRED; WHICH WILL ASSESS THE SIGNIFICANCE OF THE FIND AND RECOMMEND AN APPROPRIATE MITIGATION MEASURE IF NECESSARY.

2. DURATION OF STOCKPILE SHALL NOT EXCEED THREE (3) MONTHS. IF THE STOCKPILING WORK INVOLVES CONTAMINATED SOIL AND/OR HAZARDOUS MATERIAL, THEN ALL STOCKPILING WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE STATE AND FEDERAL REQUIREMENTS. CONTACT THE SOLID AND HAZARDOUS WASTE BRANCH OF THE STATE DEPARTMENT OF HEALTH FOR MORE INFORMATION.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE WATER QUALITY STANDARDS IPER THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (VDEQ).

4. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE CONTRACTOR SHALL BE IN COMPLIANCE WITH ALL AIR POLLUTION CONTROL REGULATIONS AND GUIDANCE PER THE VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY (VDEQ).

SECURITY:

1. THE CONTRACTOR SHALL ENSURE COMPLIANCE WITH ALL SECURITY REGULATIONS AND ACCESS REQUIREMENTS FOR ALL CONTRACTOR PERSONNEL ENTERING THE PROJECT SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BADGING AND TRAINING REQUIRED FOR BASE AND AIRFIELD ACCESS.

2. CLOSE COORDINATION WITH BASE, AIRFIELD OPERATIONS, AND SECURITY OPERATIONS IS A REQUIREMENT OF THE CONTRACT.

3. CONTRACTOR VEHICLES SHALL ABIDE BY BASE TRAFFIC REGULATIONS INCLUDING SPEED LIMITS AND RESTRICTION ON CELL PHONE USAGE. COMMERCIAL VEHICLES AND HEAVY EQUIPMENT MUST TRAVEL ALONG PREDETERMINED HAUL ROUTES AND PASS THROUGH SECURITY ACCESS POINTS AS SHOWN ON THE DRAWINGS.

4. ACCESS TO AREAS IN CLOSE PROXIMITY TO THE AIRFIELD SHALL BE STRICTLY CONTROLLED AT ALL TIMES. TEMPORARY AIRFIELD ACCESS POINTS ARE SUBJECT TO ADJUSTMENT ACCORDING TO THE STAGES OF CONSTRUCTION AS SHOWN ON THE PHASING PLAN. ALL CONTRACTOR PERSONNEL SHALL REMAIN INFORMED OF ACTIVE AND CLOSED AIRFIELD ACCESS POINTS.

5. ALL AIRFIELD SECURITY RULES AND REGULATIONS SHALL APPLY EQUALLY TO THE CONTRACTOR AND ITS SUBCONTRACTORS EMPLOYED ON THE PROJECT.

6. ALL CONTRACTOR PERSONNEL SHALL BE BRIEFED ON FOD, APPROVED HAUL ROUTES, RESTRICTED AREAS, AND ANY SECURITY LINES.

7. CONTRACTOR VEHICLES PERMITTED TO TRAVEL WITHIN THE AIRFIELD MUST PROPERLY DISPLAY APPROVED I.D. PLACARDS.

8. VISITORS TO THE PROJECT SITE MUST BE ACCOMPANIED BY AN APPROVED ESCORT AT ALL TIMES.

9. ANY CONTRACTOR PERSONNEL FOUND TO BE IN VIOLATION OF SECURITY REGULATIONS AND ACCESS RESTRICTIONS ARE SUBJECT TO DETAINMENT AND SEARCH BY BASE SECURITY FORCES.

WIRE SEPARATION NOTES:

1. SIGNAL CIRCUITS AND ALARM CIRCUITS SHALL BE RUN IN CONDUITS SEPARATE FROM ALL OTHER WIRING.

2. SERVICE ENTRANCE, GENERATOR AND ALL LARGE FEEDERS SHALL BE IN SEPARATE CONDUITS.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ADMIN
CONTRACTOR TO DATE

DES RCH DRN RCH CHK DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
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NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL GENERAL NOTES

SCALE 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691655
SHEET 122 OF 368
E-004

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-E-004.dwg LAYOUT NAME: E-004 PLOTTED: Tuesday, March 24, 2015 - 10:31am USER: Rhurst

ABBREVIATIONS

A	AMPERE
AC	ASPHALT CONCRETE
AC	ALTERNATING CURRENT
ACI	AMERICAN CONCRETE INSTITUTE
ACS PNL	ACCESS PANEL
ADH	ADHESIVE
ADJ	ADJACENT, ADJOINING, ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AIC	AMPERE INTERRUPTING CAPACITY
ALCMS	AIRPORT LIGHTING CONTROL & MONITORING SYSTEM
ALSF	APPROACH LIGHT SYSTEM WITH SEQUENTIAL FLASHERS
ALT	ALTERNATE
ALUM	ALUMINUM
AMP	AMPERE
AMU	MEGGERING UNIT
ANCH	ANCHOR
ANOD	ANODIZE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AP	ACCESS PANEL
APPROX	APPROXIMATE
ASPH	ASPHALT
ASS	AMMETER SELECTOR SWITCH
ATCT	AIR TRAFFIC CONTROL TOWER
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE
BDRY	BOUNDARY
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BM	BENCHMARK
BTWN	BETWEEN
BRKR	BREAKER
BW	BOTH WAYS
C	CONDUIT
C/L	CENTERLINE
CAP	CAPACITY
CAT	CATEGORY
CB	CATCH BASIN
CCR	CONSTANT CURRENT REGULATOR
CERT	CERTIFIED
CFM	CUBIC FEET PER MINUTE
CH	CHANNEL
CHFR	CHAMFER
CHK	CHECK
CI	CAST IRON
CIP	CAST–IN–PLACE
CIR	CIRCUIT
CJ	CONTROL JOINT
CKT	CIRCUIT
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECT
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONV	CONVERTER
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CTR	CENTER
CU	CUBIC
CYL	CYLINDER
D	ISLAND
DAT	DATUM
DBL	DOUBLE
DCJ	DOWELED CONSTRUCTION JOINT
DCJT	DUMMY CONTROL JOINT
DEG	DEGREE
DEMO	DEMOLISH, DEMOLITION
DEPR	DEPRESSION
DET	DETAIL
DI	VAULT NETWORK INTERFACE
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DIST	DISTRIBUTION
DIU	VAULT NETWORK INTERFACE UNIT
DIV	DIVISION
DN	DOWN
DOD	DEPARTMENT OF DEFENSE
DS	DISCONNECT SWITCH
DWG	DRAWING
DWLS	DOWELS
DWPJ	DOWELED WEAKENED PLANE JOINT
DWR	DRAWER
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
ECH	ELECTRIC CABINET HEATER
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION – GRADE OR BUILDING
EMERG	EMERGENCY
EMH	ELECTRIC MANHOLE
EMT	ELECTRICAL METALLIC TUBING (CONDUIT)
ENCL	ENCLOSURE
EP	EXPLOSION PROOF
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE(D)
EUH	ELECTRIC UNIT HEATER
EW	EACH WAY
EX	EXISTING
EXP	EXPANSION
EXP BT	EXPANSION BOLT
EXP JT	EXPANSION JOINT
FAA	FEDERAL AVIATION ADMINISTRATION
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FD	FIBER DRIVING
FH	FIRE HYDRANT OR FLASH HEAD
FJT	FLUSH JOINT
FLEX	FLEXIBLE
FLOLS	FRESNEL LENS OPTICAL LANDING SYSTEM
FOPP	FIBER OPTIC PATCH PANEL
FR	FIRE RESISTANT
FRE	FIBERGLASS REINFORCED EPOXY
FS	FAST INTERNET SWITCH AND PORT
FT	FEET
F/T	FEED/THROUGH
FU	FUSE
G	GAS
GALV	GALVANIZED
GEN	GENERAL
GFI	GROUND FAULT INTERRUPTER
GI	GALVANIZED IRON
GIP	GALVANIZED IRON PIPE
GND	GROUND
GOVT	GOVERNMENT
GPM	GALLONS PER MINUTE
GR	GRADE
GVL	GRAVEL
HH	HAND HOLE
HID	HIGH INTENSITY DISCHARGE
HORIZ	HORIZONTAL
HP	HORSE POWER
HPT	HIGH POINT
HS	HIGH STRENGTH
HYDR	HYDRAULIC
HZ	HERTZ
ID	INSIDE DIAMETER
IFLOLS	IMPROVED LENS OPTICAL LANDING SYSTEM
IG	ISOLATED GROUND
INCL	INCLUDE(ED)(ING)
IND	INDUSTRIAL
INV	INVERT
IP	IRON PIPE
J–BOX	JUNCTION BOX
JCT	JUNCTION
JF	JOINT FILLER
JT	JOINT
KOP	KNOCKOUT PANEL
KV	KILOVOLTS
KVA	KILOVOLT AMPERES
KVAR	KILOVOLT AMPERES REACTIVE
KW	KILOWATT
L	LENGTH
LA	LIGHTNING ARRESTOR
LBS	POUNDS
LC	LIGHTNING CONTACTOR
LPT	LOW POINT
LTG	LIGHTING
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MET	METAL
MFG	MANUFACTURING
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUG ONLY
mm	MILLIMETERS
MOA	MULTI–OUTLET ASSEMBLY
MOD	MOTOR OPERATED DAMPER
MS	MOTOR STARTER
MTD	MOUNTED
MPa	MEGAPASCALS
MV	MEDIUM VOLTAGE
MW	MONITORING WELL
N	NORTH
NA	NOT APPLICABLE/NO ACTION
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NUMBER
NO	NORMALLY OPEN
NT	NETWORK TERMINATORS
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OLS	OPTICAL LANDING SYSTEM
OPH	OPPOSITE HAND
ORIG	ORIGINAL
P	PARKING
PC	PRECAST CONCRETE
PCC	PORTLAND CEMENT CONCRETE
PCER	EXTENDER, RECEIVER
PCEX	EXTENDER, TRANSMITTER
PCU	POWER CONVERTER UNIT
PEC	PHOTO–ELECTRICALLY CONTROLLED RELAY
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PL	PLATE
PLYWD	PLYWOOD
PMT	PAD MOUNTED TRANSFORMER
PNL	PANEL
PSI	POUNDS PER SQUARE INCH
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QTY	QUANTITY
R	RADIUS, REINFORCED ODD–SHAPED AND BLOCKOUT PCC SLAB
R	REMOVE
R/W	RUNWAY
RCP	REINFORCED CONCRETE PIPE
REBAR	REINFORCING BAR
RECP	RECEPTACLES
REQD	REQUIRED
RGL	RUNWAY GUARD LIGHT
RGS	RIGID GALVANIZED STEEL
RVAT	REDUCED VOLTAGE AUTOTRANSFORMER
RVSS	REDUCED VOLTAGE SOLID STATE
S	SOUTH
SC	SURGE CAPACITOR
SCH	1–SLOT CHASSIS
SCHED	SCHEDULE
SD	STORM DRAIN
SHT	SHEET
SPD	SURGE PROTECTION DEVICE
SPEC	SPECIFICATIONS
SPKR	SPEAKER FOR COMPUTER
SQ	SQUARE
SSJ	SLEEPER SLAB JOINT
STD	STANDARD
STL	STEEL
SW	SWITCH
SWBD	SWITCHBOARD
T	NETWORK TERMINATOR
T&B	TOP AND BOTTOM
T/W	TAXIWAY
TBD	TO BE DETERMINED
TC	CABLE TRAY–CABLE
TE	THICKENED EDGE
TEMP	TEMPORARY
TRANS	TRANSITION OR TRANSFORMER
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TYP	TYPICAL
UFC	UNITED FACILITIES CRITERIA
UH	UNIT HEATER
UIP	USE IN PLACE
UL	UNDERWRITER LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTIL	UTILITY
V	VOLT
VAR	VARIABLE, VARIES
VAULT	AIRFIELD ELECTRICAL ROOM
VIF	VERIFY IN FIELD
VERT	VERTICAL
VS	VOLTMETER SELECTOR SWITCH
W	WATT, WEST, WIRE
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WPJ	WEAKENED PLANE JOINT
WT	WEIGHT
WV	WATER VALVE
XFMR	TRANSFORMER
YDS	YARDS
1–PH	SINGLE PHASE
3–PH	THREE PHASE
5R/23L	RUNWAY DESIGNATION EXAMPLE: 5 RIGHT – 32 LEFT

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
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Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
FOR COMMANDER NAVFAC

ACTIVITY
SATISFACTORY TO: DATE

DES RCH DRN RCH CHK DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL ABBREVIATIONS

SCALE 1" = 50'–0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691656
SHEET 123 OF 368
E-005

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\109863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-E-005.dwg LAYOUT NAME: E-005 PLOTTED: Tuesday, March 24, 2015 - 10:31am USER: Rhurst

DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.
3. REMOVE TRANSFORMER, PANELS, CONCRETE PAD AND ALL ASSOCIATED CABLE AND CONDUIT.
4. REMOVE ALL AIRFIELD LIGHTING CABLE IN THIS AREA, CONDUIT SHALL REMAIN. CAP AND PROTECT CONDUIT FOR REUSE.
5. REMOVE LIGHTED WIND CONE AND CIRCUITING,
6. REMOVE WIRING FOR 23 APPROACH LIGHTING AND RE-CIRCUIT TO VAULT 3036, REFER TO EA608.
7. REMOVE ALL CIRCUIT CONDUCTORS BACK TO NEXT EXISTING TO REMAIN LIGHT.
8. REMOVE CONCRETE SLAB AND ABANDONED ELECTRICAL CONDUIT AND CABLE.
9. EXISTING CONCRETE PAD TO REMAIN.
10. REMOVE ALL ABANDONED ELECTRICAL EQUIPMENT, HANDHOLES AND RECEPTACLES AT OLS.
11. REMOVE WIRING FOR APPROACH LIGHTING AND RECIRCUIT TO VAULT E-1120 AS SHOWN ON DETAIL 1, SHEET EA607.
12. EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.
13. DISCONNECT AND REMOVE EXISTING PANELBOARD. REMOVE PANELBOARD'S FEEDER AND CONDUIT BACK TO TRANSFORMER. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD. DISCONNECT AND REMOVE EXISTING TRANSFORMER. MAINTAIN TRANSFORMER PRIMARY CIRCUIT CONTINUITY TO EXISTING ELECTRICAL LOADS ON THAT CIRCUIT.
14. DISCONNECT AND REMOVE EXISTING PANELBOARD. REMOVE PANELBOARD'S FEEDER AND CONDUIT BACK TO SOURCE. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD.
15. DISCONNECT AND REMOVE EXISTING PANELBOARD. MAINTAIN PANELBOARD'S FEEDER AND CONDUIT RE-FEED NEW PANELBOARD. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD.
16. REMOVE CABLE FOR TAXIWAY CIRCUITS T3.1 AND T3.2 FROM HH A046 BACK TO SOURCE IN ELECTRICAL VAULT E-145 UNDER PHASE 2.
17. DISCONNECT AND REMOVE EXISTING FLOODLIGHT FIXTURE. LIGHT BASE CAN AND CIRCUIT CONDUCTORS TO BE RE-USED.
18. DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB-BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.
19. RUNWAY EXIT/ENTRANCE LIGHTS, TWO ELEVATED BLUE TAXIWAY LIGHTS SPACED 5 FEET APART.

CONSTRUCTION KEYNOTES

1. POWER DISTRIBUTION EQUIPMENT FOR OLS, WAVE-OFF LIGHTS WINDCONE, AND ARRESTER BATTERY CHARGER. REFER TO DETAIL 2 ON SHEET EA505 FOR SECTIONAL VIEW. CONNECT 4160V CIRCUIT AND CONDUIT TO 25KVA TRANSFORMER.
2. CENTERLINE LIGHTS WITH ISOLATION TRANSFORMER IN EXISTING SUB-BASE CAN. CONNECT TO EXISTING CIRCUIT.
3. POWER CONNECTION FOR OLS. PROVIDE 2#6 AWG AND 2#12 AWG (CONTROL WIRING) WITH 1#10G IN 2" CONDUIT BACK TO OLS EQUIPMENT RACK. CONNECT CONTROL WIRING TO WAVE-OFF CONTROLLER. REFER TO DETAIL 5 ON SHEET EA509 FOR ADDITIONAL INFORMATION.
4. PROVIDE L-861T OMNI-DIRECTIONAL ELEVATED TAXIWAY EDGE LIGHT WITH YELLOW LENS, INCLUDING LIGHT BASE AND ISOLATION TRANSFORMER, REFER TO DETAIL 1, SHEET EA510.
5. REMOVE EXISTING WIRING AND REWIRE LIGHTS INSTALLED UNDER OTHER CONTRACT, INTERLEAVE CIRCUITING AS SHOWN ON DETAIL 1, SHEET E504, TYP. FOR RUNWAY AND TAXIWAYS.
6. ROUTE WAVE OFF CIRCUIT CONDUCTORS IN 2" PVC CONDUIT.
7. REMOVE INCANDESCENT OBSTRUCTION LIGHT AND INSTALL LED OBSTRUCTION LIGHT, REUTILIZE POWER CONDUCTORS.
8. FUEL PIT FLOODLIGHTING PANEL. EXTEND EXISTING FEEDER TO LOCATION OF PANEL AND MAKE CONNECTION TO MAIN CIRCUIT BREAKER. ALSO EXTEND EXISTING BRANCH CIRCUITS (IF ANY) TO PANEL AND MAKE CONNECTION TO SPARE CIRCUIT BREAKERS. PROVIDE 2 LIGHTING CONTACTOR PANELS AND CONNECT PER WIRING DIAGRAM ON SHEET EA609
9. RACK MOUNTED FUEL PIT FLOODLIGHTING PANEL. EXTEND EXISTING FEEDER TO LOCATION OF NEW PANEL AND MAKE CONNECTION TO MAIN CIRCUIT BREAKER. ALSO EXTEND EXISTING BRANCH CIRCUITS (IF ANY) TO PANEL AND MAKE CONNECTION TO SPARE CIRCUIT BREAKERS. FOR RACK MOUNTED DETAILS REFER TO DETAIL 6 ON SHEET EA509.
10. RACK MOUNTED FUEL PIT FLOODLIGHTING PANEL. FOR RACK MOUNTING DETAILS REFER TO DETAIL 6 ON SHEET EA509.
11. FLOODLIGHT INSTALLED ON EXISTING LIGHT BASE. UTILIZE EXISTING CIRCUITS CONDUCTORS AND CONNECT TO LIGHT FIXTURE.
12. SEE SHEET EA607 FOR 5R APPROACH LIGHT SCHEMATIC.
13. CONTINUE INTERLEAVE CIRCUITING OF CIRCUITS C2.1 AND C2.2, IN SEPERATE CONDUITS, FOR ALL CENTERLINE LIGHTS ON RUNWAY 5R/23L.
14. PROVIDE A 20A SINGLE POLE CIRCUIT BREAKER FOR PAD FLOOD LIGHTING IN EXISTING 480Y/277V PANEL. CIRCUIT BREAKER SHALL MATCH EXISTING MANUFACTURER, TYPE, MODEL, AND AIC RATING.
15. PROVIDE A 20A SINGLE POLE CIRCUIT BREAKER FOR LIGHTING CONTACTOR PANEL CONTROLS IN EXISTING 208Y/120V PANEL. CIRCUIT BREAKER SHALL MATCH EXISTING MANUFACTURER, TYPE, MODEL, AND AIC RATING
16. LIGHTING CONTACTOR PANEL. REFER TO DETAIL 2 ON SHEET EA-609 FOR WIRING DIAGRAM.
17. CIRCUIT NO. T3.1 AND T3.2 FROM VAULT E-145 TO BE COMPLETED UNDER PHASE 1 CIRCUIT WILL BE REMOVED UNDER PHASE 2. SPLICE REMAINING PRIMARY CONDUCTORS TO UPON REMOVAL.
18. 6 STRAND FIBER OPTIC CABLE FROM VAULT E-3015 TO VAULT E-3036 UNDER PHASE 2.
19. SEE SHEET EA608 FOR 23L APPROACH LIGHT SCHEMATIC.
20. SPLICE CONDUCTORS FOR CIRCUIT NO. T3.1 AND T3.2 INTO PRIMARY CIRCUITS AND ROUTE BACK TO VAULT E-3036 TO BE COMPLETED UNDER PHASE 2.
21. 6 STRAND FIBER OPTIC CABLE FROM VAULT E-101 TO THE AIR TRAFFIC CONTROL TOWER PHASE 1.
22. TAXIWAY CIRCUITS T3.1 AND T3.2 WORKED UNDER PHASE 1.
23. CONTINUE INTERLEAVE CIRCUITING FOR CIRCUITS C2.1 AND C2.2, IN SEPERATE CONDUIT, FOR ALL CENTERLINE LIGHTS ON RUNWAY R5/23L.
24. CIRCUIT NO. T9.1 AND T9.2 FROM VAULT E-101 TO BE COMPLETED UNDER PHASE 1 CIRCUIT WILL BE REMOVED UNDER PHASE 2. SPLICE REMAINING PRIMARY CONDUCTORS TO UPON REMOVAL.
25. SPLICE CONDUCTORS FOR CIRCUIT NO. T9.1 AND T9.2 INTO PRIMARY CIRCUITS AND ROUTE BACK TO VAULT E-1120 TO BE COMPLETED UNDER PHASE 2.
26. CIRCUIT NO. G1 AND G2 FROM VAULT E-101 TO BE COMPLETED UNDER PHASE 1 CIRCUIT WILL BE REMOVED UNDER PHASE 2. SPLICE REMAINING PRIMARY CONDUCTORS TO UPON REMOVAL.
27. SPLICE CONDUCTORS FOR CIRCUIT NO. G1 AND G2 INTO PRIMARY CIRCUITS AND ROUTE BACK TO VAULT E-1120 TO BE COMPLETED UNDER PHASE 2.
28. CIRCUIT NO. T7.1 AND T7.2 FROM VAULT E-145 TO BE COMPLETED UNDER ANOTHER CONTRACT CIRCUIT WILL BE REMOVED UNDER PHASE 1. SPLICE REMAINING PRIMARY CONDUCTORS TO UPON REMOVAL.
29. SPLICE CONDUCTORS FOR CIRCUIT NO. T7.1 AND T7.2 INTO PRIMARY CIRCUITS AND ROUTE BACK TO VAULT E-101 COMPLETED UNDER PHASE 1.
30. ROUTE 3 #10 + #10 GND IN 2" PVC DIRECT BURY CONDUIT FROM PANELBOARD L-101, CIR. 16 TO WINDCONE.
31. ROUTE 3 #10 + #10 GND IN 2" PVC DIRECT BURY CONDUIT FROM OLS 5R PANELBOARD, CIR. 13 TO WINDCONE. SHARE TRENCH UNDER RUNWAY AND UP TO PANEL WITH WAVE OFF CIRCUIT.
32. SPLICE CIRCUIT T6.1 AND 6.2 TO EXISTING CIRCUIT CONDUCTORS INSTALLED UNDER ANOTHER CONTRACT.
33. SPLICE CIRCUIT T7.1 AND 7.2 TO EXISTING CIRCUIT CONDUCTORS INSTALLED UNDER ANOTHER CONTRACT.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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DAVID JONATHAN PARSLEY
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PROFESSIONAL ENGINEER

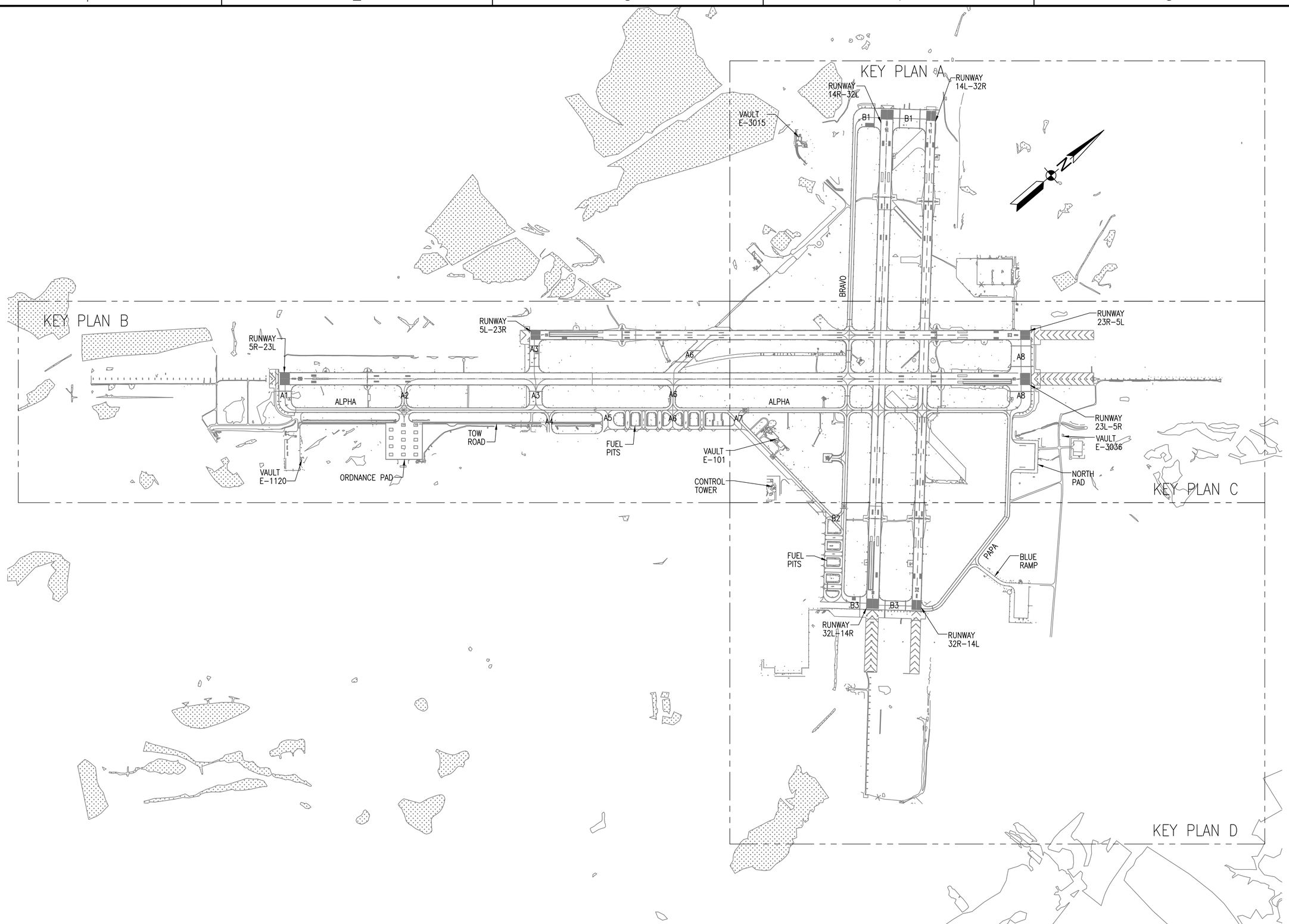
A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES RCH DRN RCH CHK DJP
PM/TM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR #FT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA - VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL KEYNOTES

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691657
SHEET 124 OF 368
E-006

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\SMD\109863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-E-006.dwg LAYOUT NAME: E-006 PLOTTED: Tuesday, March 24, 2015 - 3:12pm USER: Rhurst



SYM	DESCRIPTION	DATE	APPR

NAVFAC

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Lic. No. 45530
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A/E INFO

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FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRW RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR #71
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL SITE KEY PLAN

SCALE: 1" = 50'-0"

PROJECT NO.: 1291651

CONSTR. CONTR. NO.

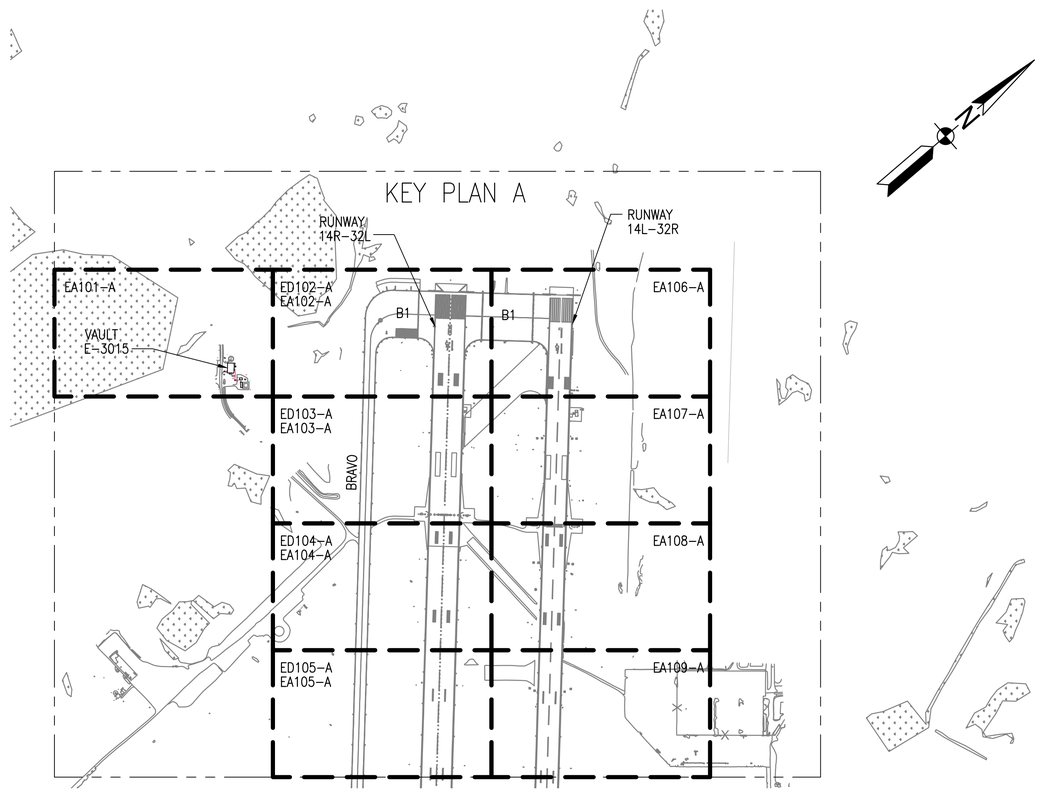
NAVFAC DRAWING NO.
12691658

SHEET 125 OF 368

E-007

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabi\CADD\ELECTRICAL\10-0863-008-E-007.dwg LAYOUT NAME: E-007 PLOTTED: Tuesday, March 24, 2015 - 10:31am USER: Rhurst



SYM	DESCRIPTION	DATE	APPR

NAVFAC

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A/E INFO

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ACTIVITY

SATISFACTORY TO DATE

DES. JRB DWN. RRR CHK. DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL KEY PLAN A

SCALE: 1" = 50'–0"

PROJECT NO.: 1291651

CONSTR. CONTR. NO.

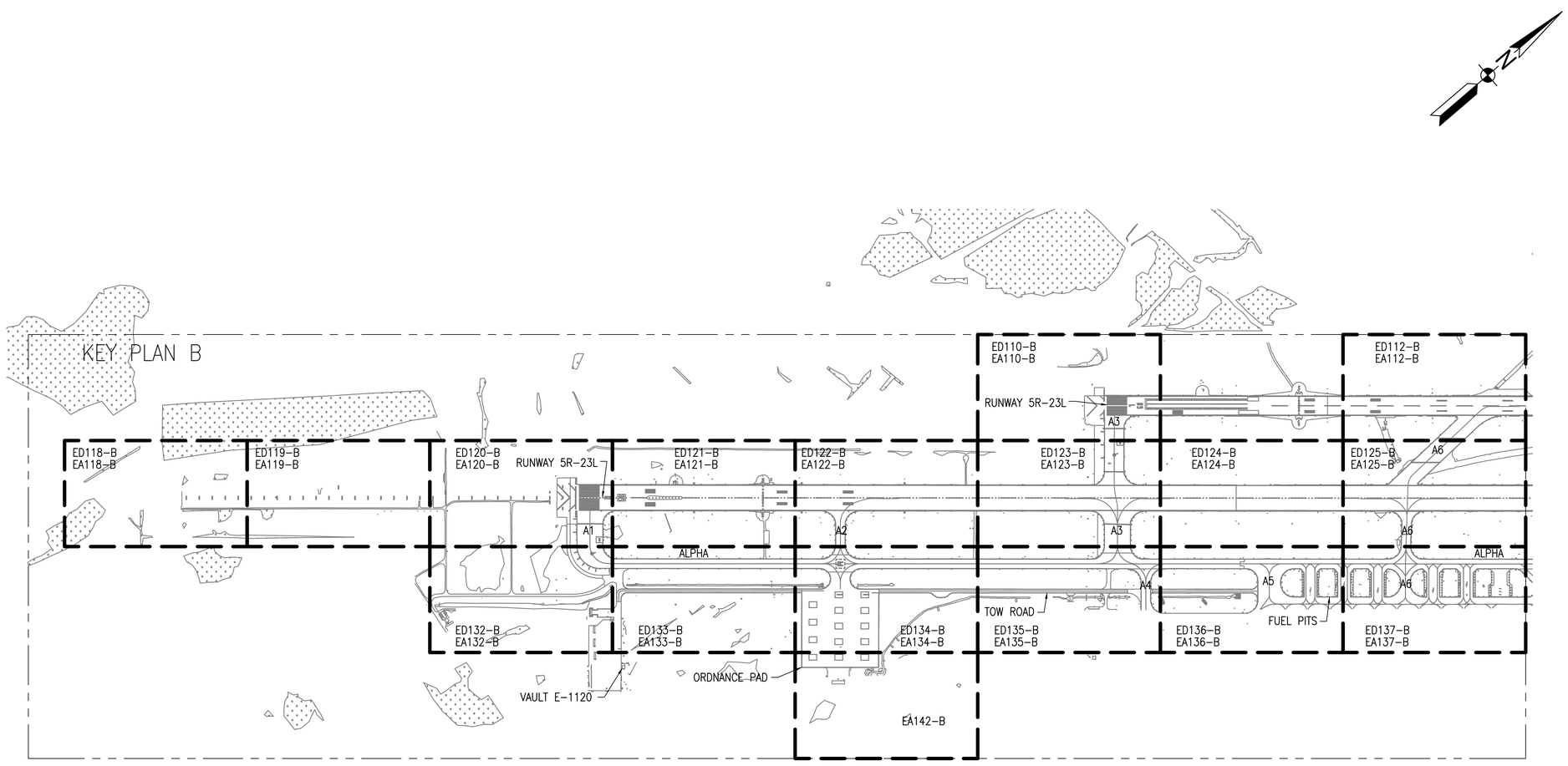
NAVFAC DRAWING NO.
12691659

SHEET 126 OF 368

E-008

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-E-008.dwg LAYOUT NAME: E-008 PLOTTED: Tuesday, March 24, 2015 - 1:01pm USER: Rhurst



SYM	DESCRIPTION	DATE	APPR

NAVFAC

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Lic. No. 45530
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A/E INFO

APPROVED

FOR COMMANDER NAVFAC

PLANNER

SATISFACTION OF: DATE

DES: JRB DRN: RRR CHK: DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA, VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRIGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL KEY PLAN B

SCALE: 1" = 50'-0"

PROJECT NO.: 1291651

CONSTR. CONTR. NO.

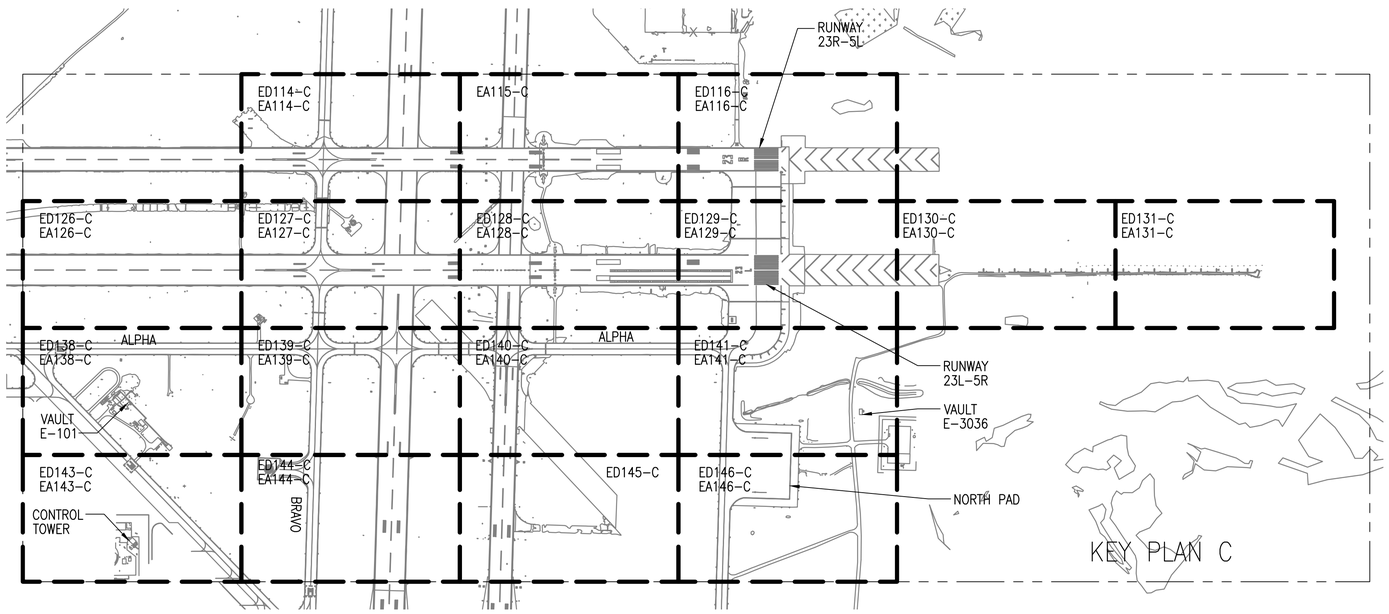
NAVFAC DRAWING NO.
12691660

SHEET 127 OF 368

E-009

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliabi\CADD\ELECTRICAL\10-0863-008-E-009.dwg LAYOUT NAME: E-009 PLOTTED: Tuesday, March 24, 2015 - 1:08pm USER: Rhust



SYM	DESCRIPTION	DATE	APPR

NAVFAC

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APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE

DES: JRB DRW: RRR CHK: DJP

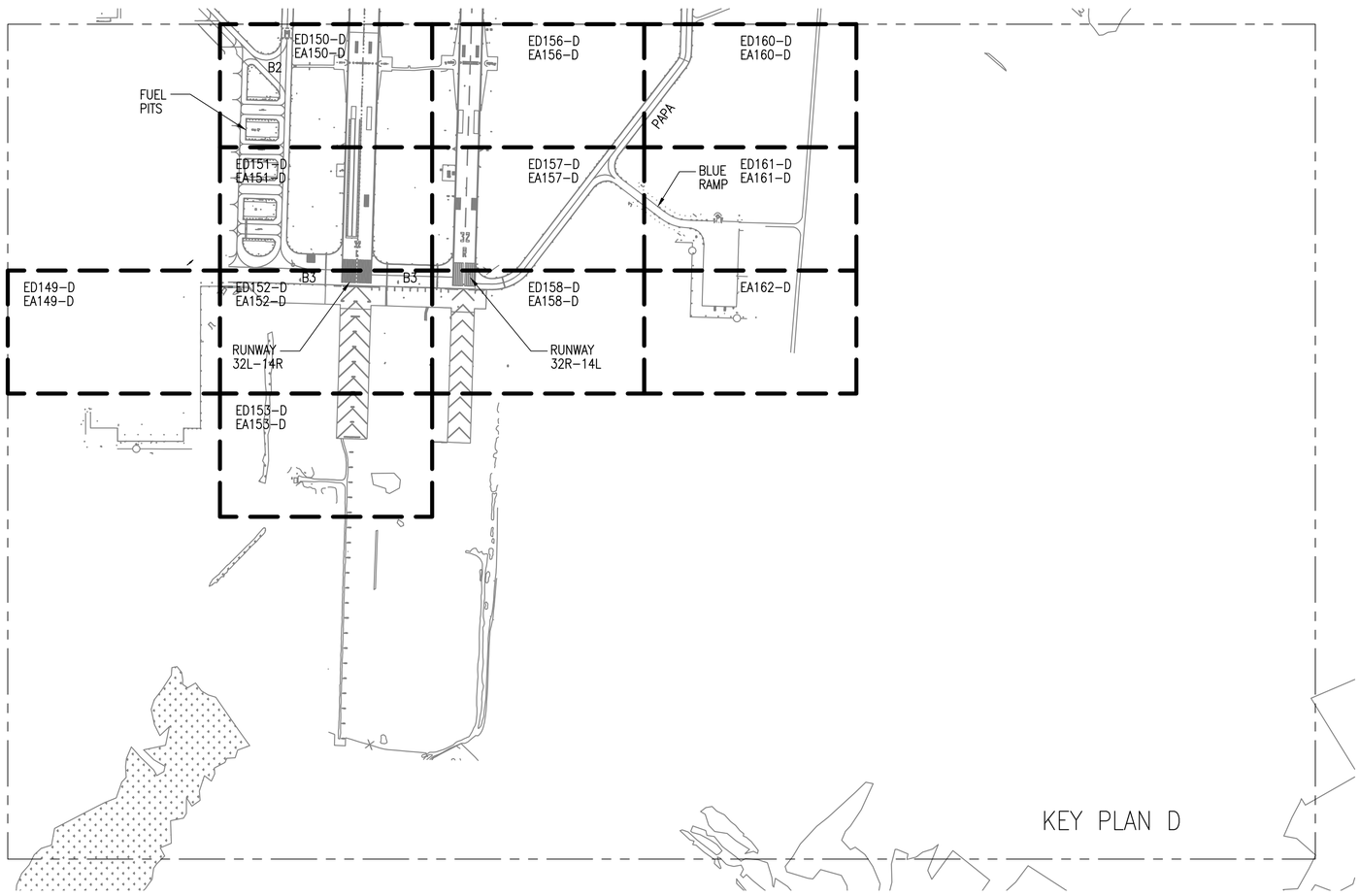
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRIGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL KEY PLAN C

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691661
SHEET 128 OF 368
E-010

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-E-010.dwg LAYOUT NAME: E-010 PLOTTED: Tuesday, March 24, 2015 - 1:06pm USER: Rhurst



SYM	DESCRIPTION	DATE	APPR

NAVFAC

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A/E INFO

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FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE

A.E.S.	JRB	DRW. RRR	CHK. DJP

PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA ~ VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
ELECTRICAL KEY PLAN D

SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691662
SHEET 129 OF 368

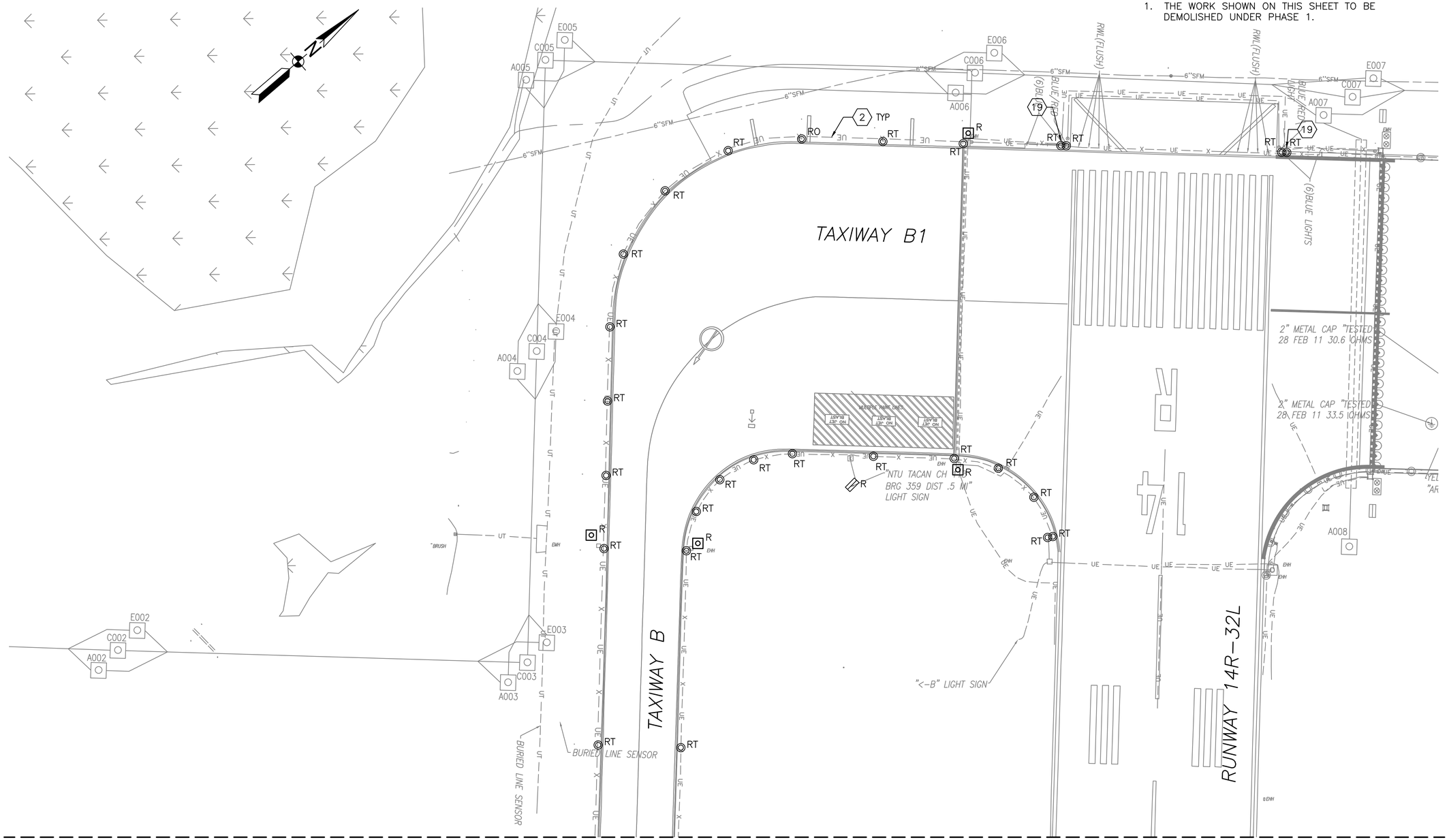
E-011

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-E-011.dwg LAYOUT NAME: E-011 PLOTTED: Tuesday, March 24, 2015 - 1:11pm USER: Rhust

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



MATCHLINE SHEET ED103-A

DEMOLITION KEYNOTES

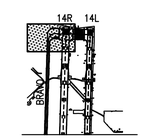
(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(19) RUNWAY EXIT/ENTRANCE LIGHTS, TWO ELEVATED BLUE TAXIWAY LIGHTS SPACED 5 FEET APART.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP A



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

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PROFESSIONAL ENGINEER

A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DRW RRR CHK DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVFAC NR PT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA ~ VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

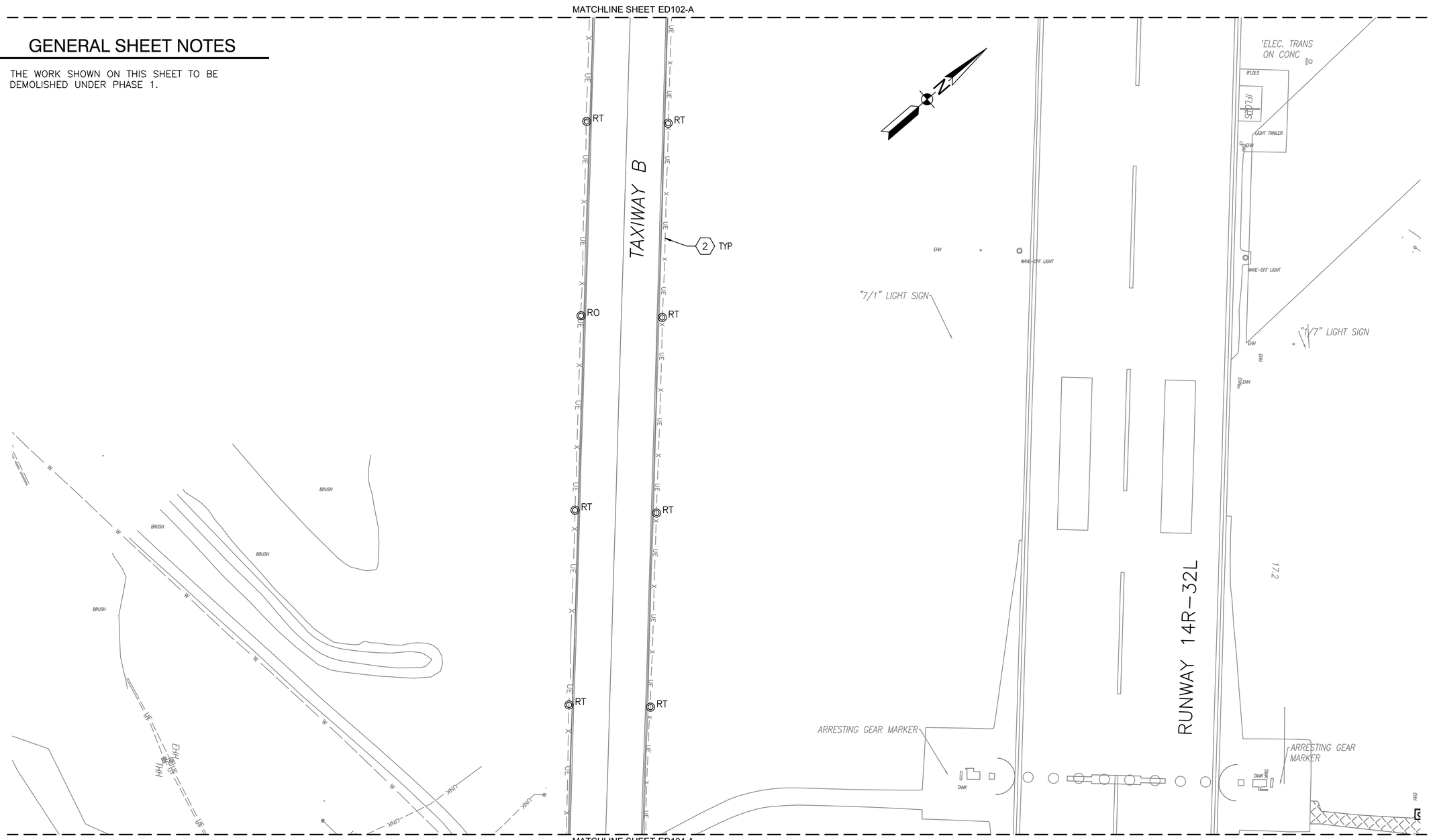
SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691663
SHEET 130 OF 368
ED102-A

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100663_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0663-008-ED102-A.dwg LAYOUT NAME: ED102-A PLOTTED: Tuesday, March 24, 2015 - 1:14pm USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



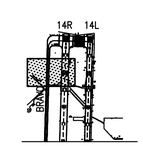
DEMOLITION KEYNOTES

2 REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP A



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM.	DESCRIPTION	DATE	APPR.

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO
APPROVED
CDR COMMANDER NAVFAC
ALTERNATE
SATISFACTORY TO: DATE
DES. JRB DRN. RRR CHK. DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA ~ VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN - DEMOLITION

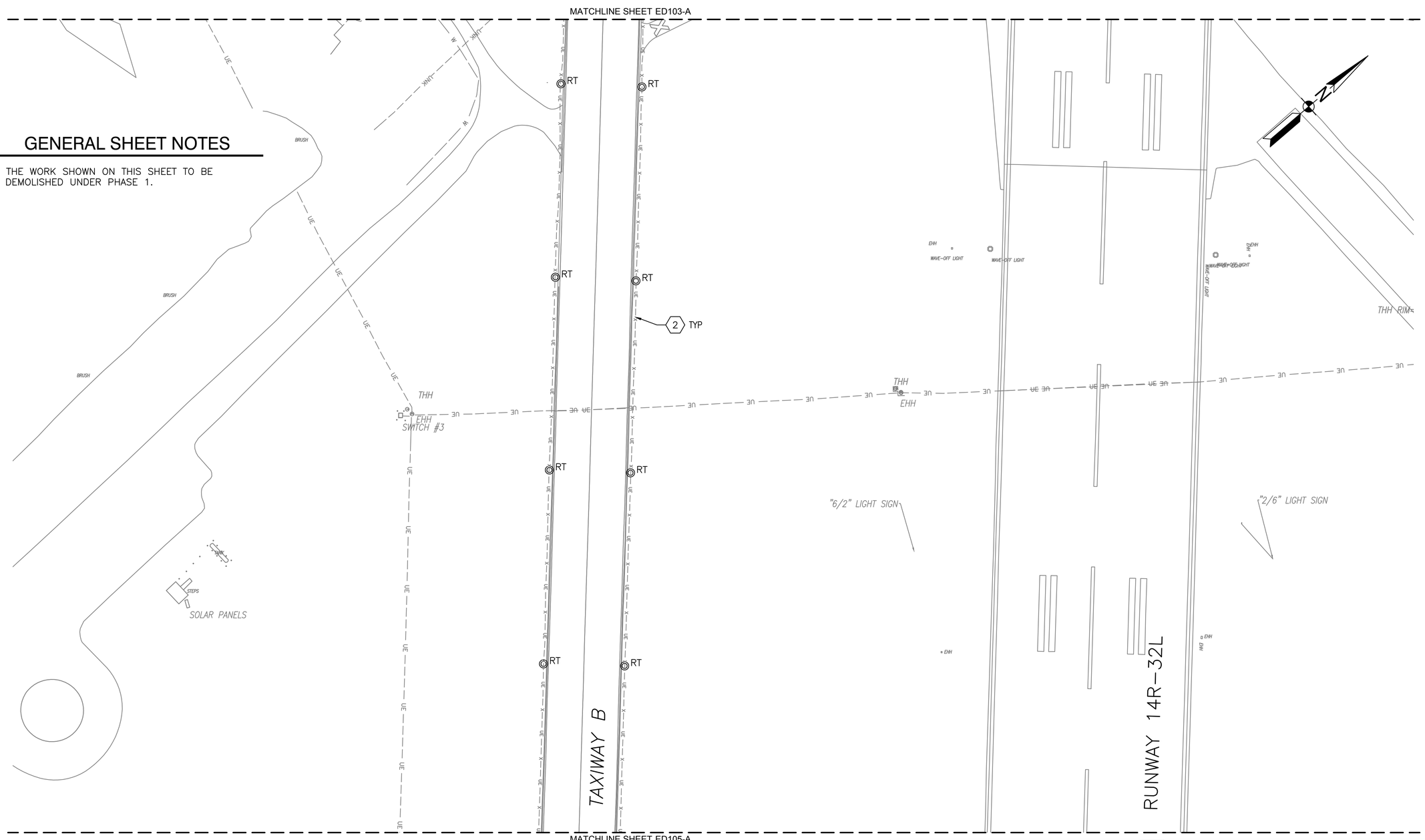
SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691664
SHEET 131 OF 368
ED103-A

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\10861_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED103-A.dwg LAYOUT NAME: ED103-A PLOTTED: Tuesday, March 24, 2015 - 1:37pm USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



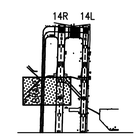
DEMOLITION KEYNOTES

2 REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP A



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE

DES JRB DRW RRR CHK DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
HR #T
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

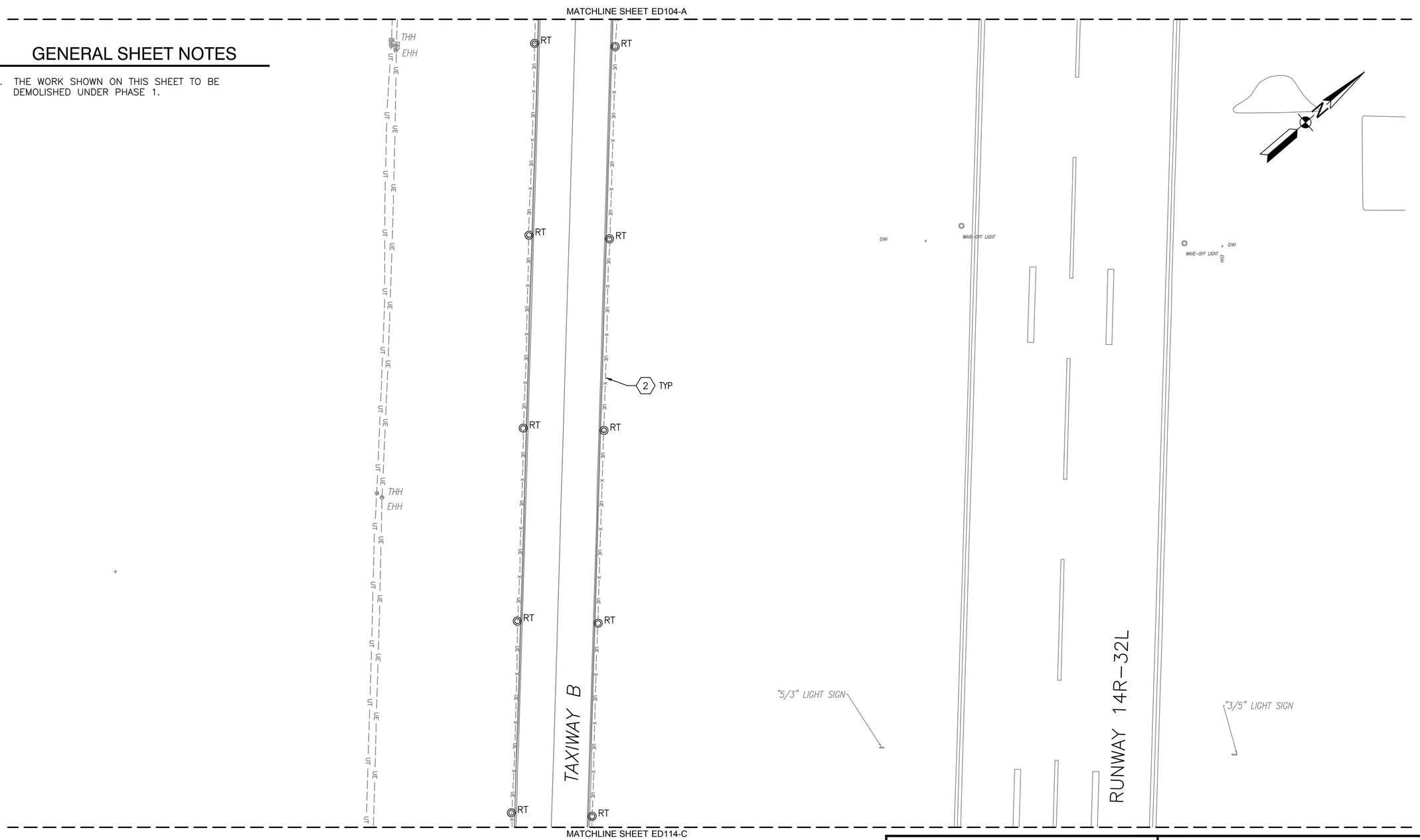
SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691665
SHEET 132 OF 368
ED104-A

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\SAD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED104-A.dwg LAYOUT NAME: ED104-A PLOTTED: Tuesday, March 24, 2015 - 3:17pm USER: nwilson

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



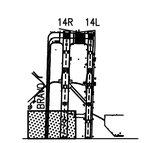
DEMOLITION KEYNOTES

2 REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP A



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM.	DESCRIPTION	DATE	APPR.

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED:
FOR COMMANDER NAVFAC
TITLE:
SATISFACTORY TO: DATE:
DES. JRB DRN. RRR CHK. DJP
A/E/CM:
BRANCH MANAGER: WED
CHIEF ENG/ARCH:

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

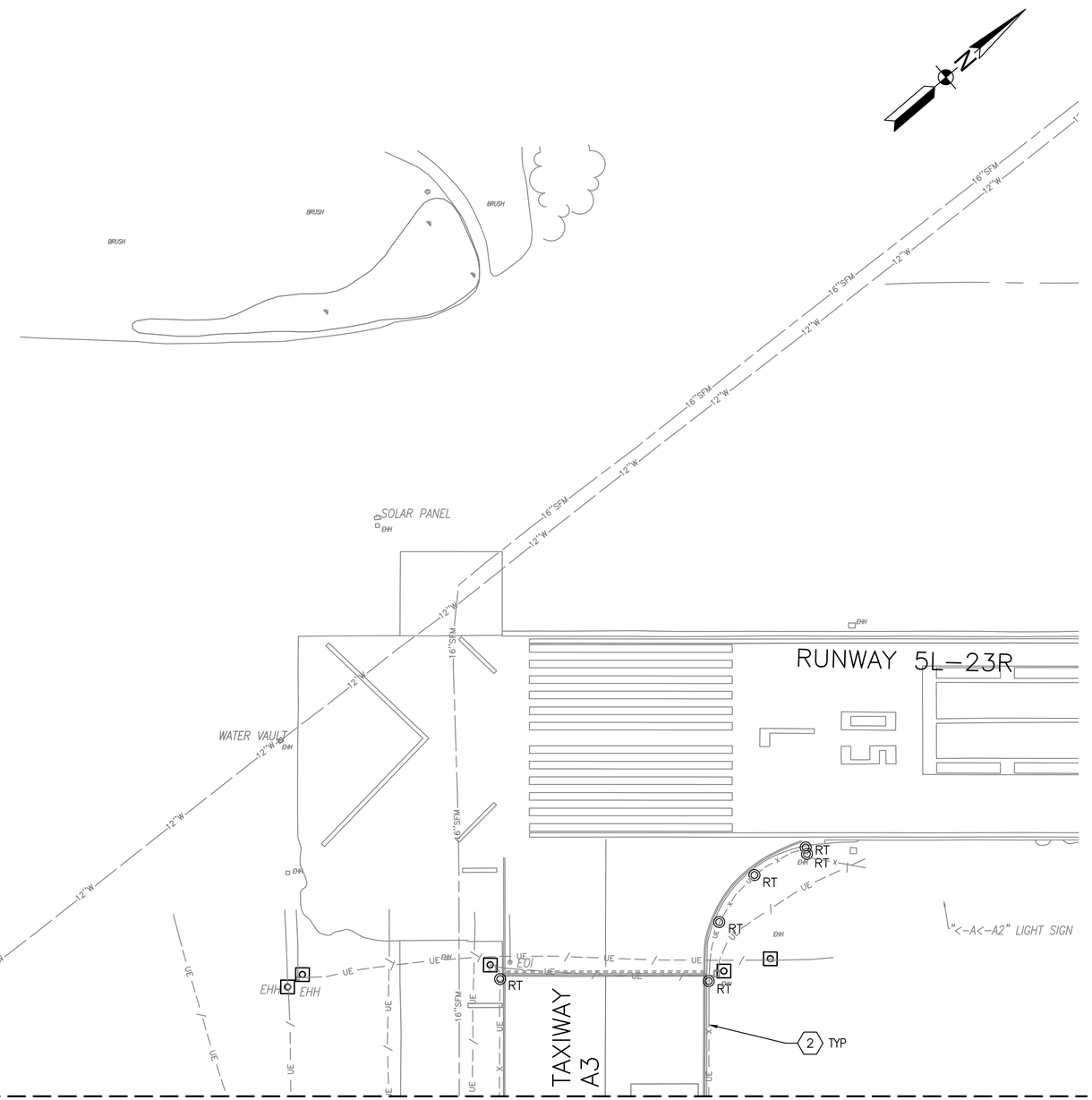
SCALE: 1" = 50'–0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.:
NAVFAC DRAWING NO.: 12691666
SHEET 133 OF 368
ED105-A

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED105-A.dwg LAYOUT NAME: ED105-A PLOTTED: Tuesday, March 24, 2015 - 3:19pm USER: cadtson

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



MATCHLINE SHEET ED123-B

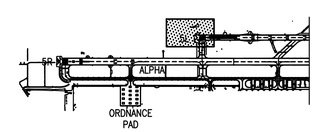
DEMOLITION KEYNOTES

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM.	DESCRIPTION	DATE	APPR.

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED:

CDR COMMANDER NAVFAC

ACCEPTED:

SATISFACTION TO: DATE

DES JRB DRN RRR CHK DJP

PM/CM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12691667
SHEET 134 OF 368

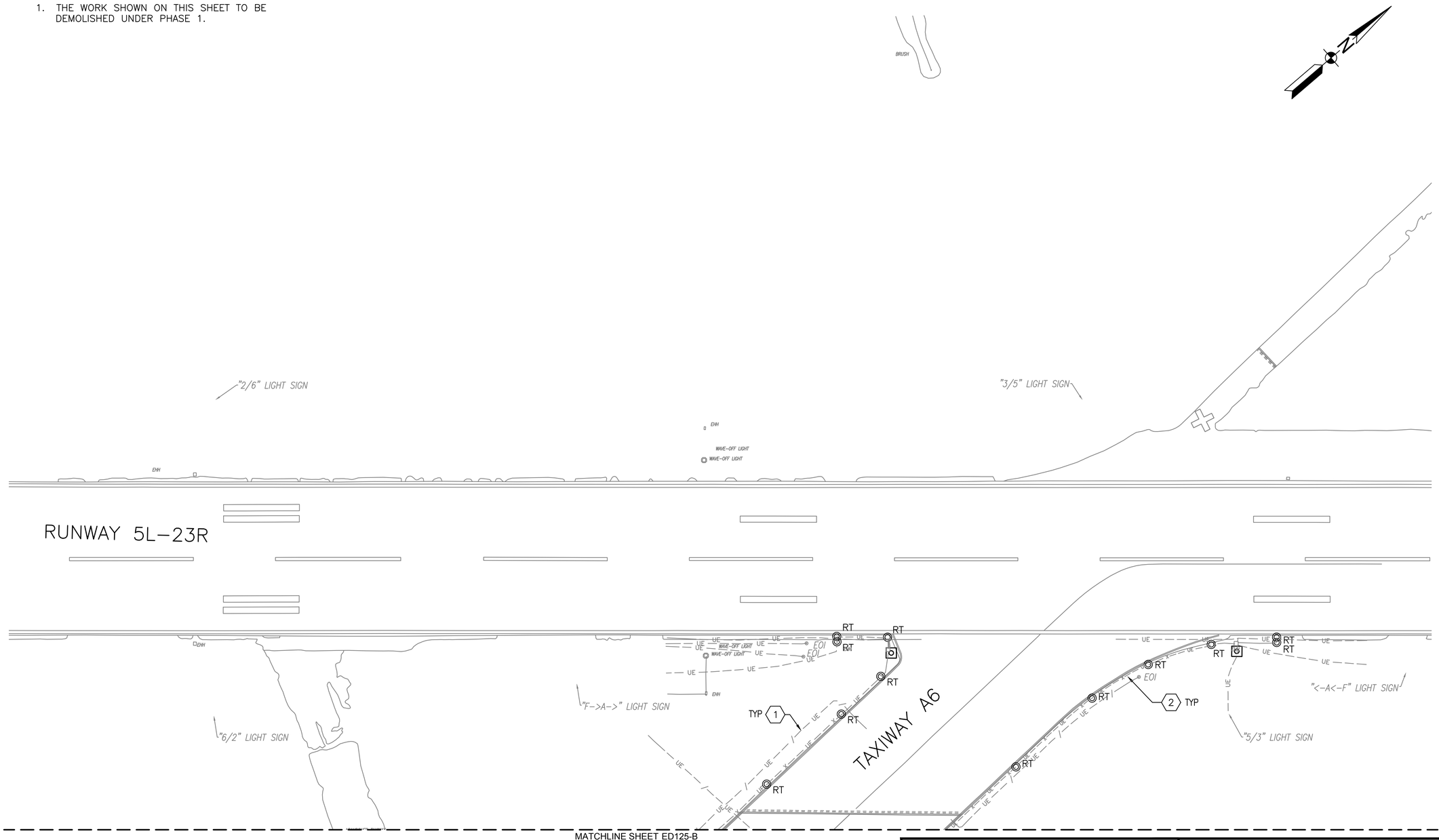
ED110-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100861_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0861-008-ED110-B.dwg LAYOUT NAME: ED110-B PLOTTED: Tuesday, March 24, 2015 - 3:21pm USER: cwatson

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



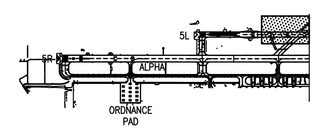
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES: JRB DRN: RRR CHK: DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

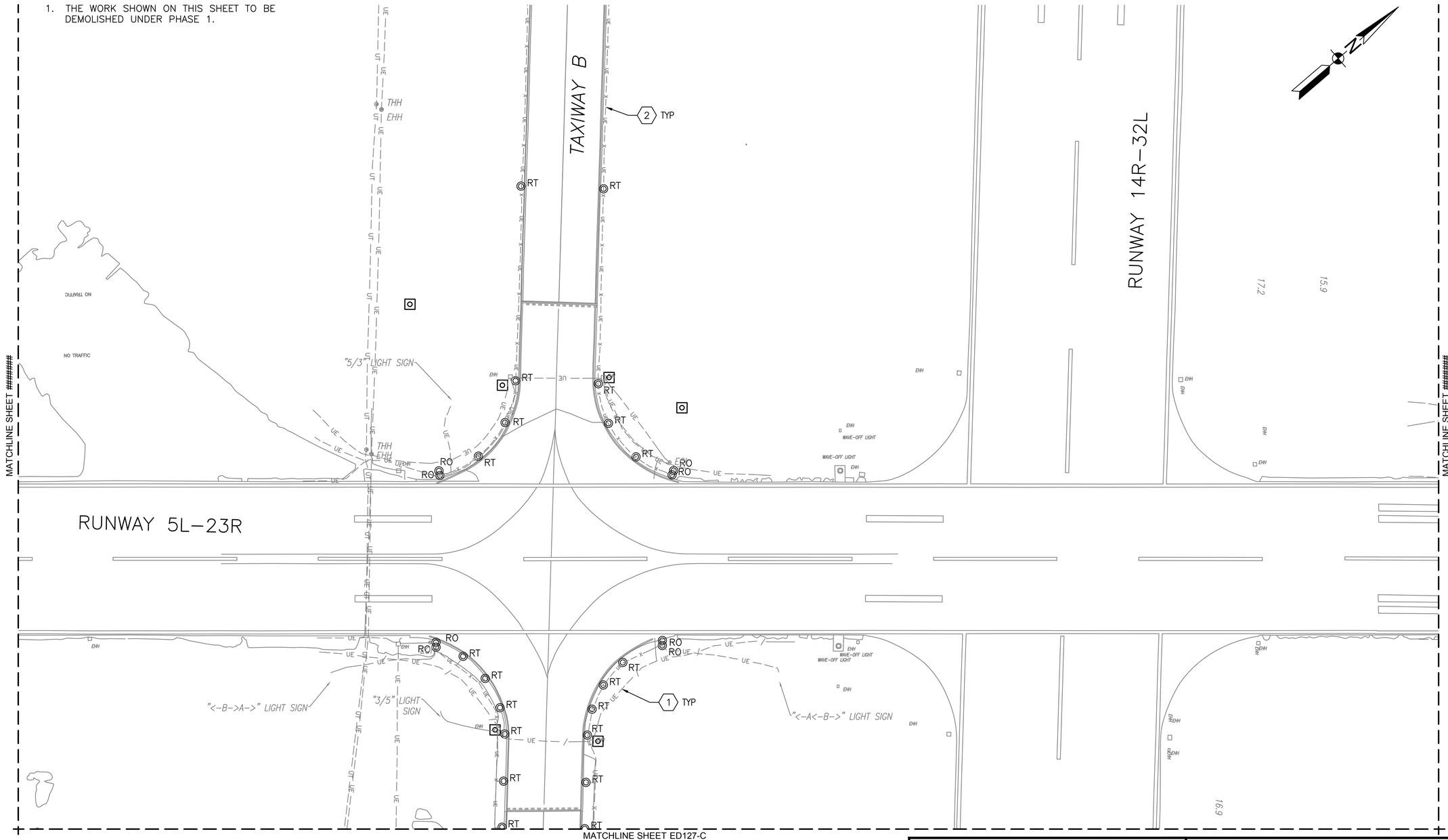
SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691668
SHEET 135 OF 368
ED112-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED112-B.dwg LAYOUT NAME: ED112-B PLOTTED: Tuesday, March 24, 2015 - 3:23pm USER: ewilson

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



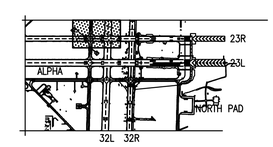
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP C



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRN RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR #T
NAVAL AIR STATION OCEANA
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12691669

SHEET 136 OF 368

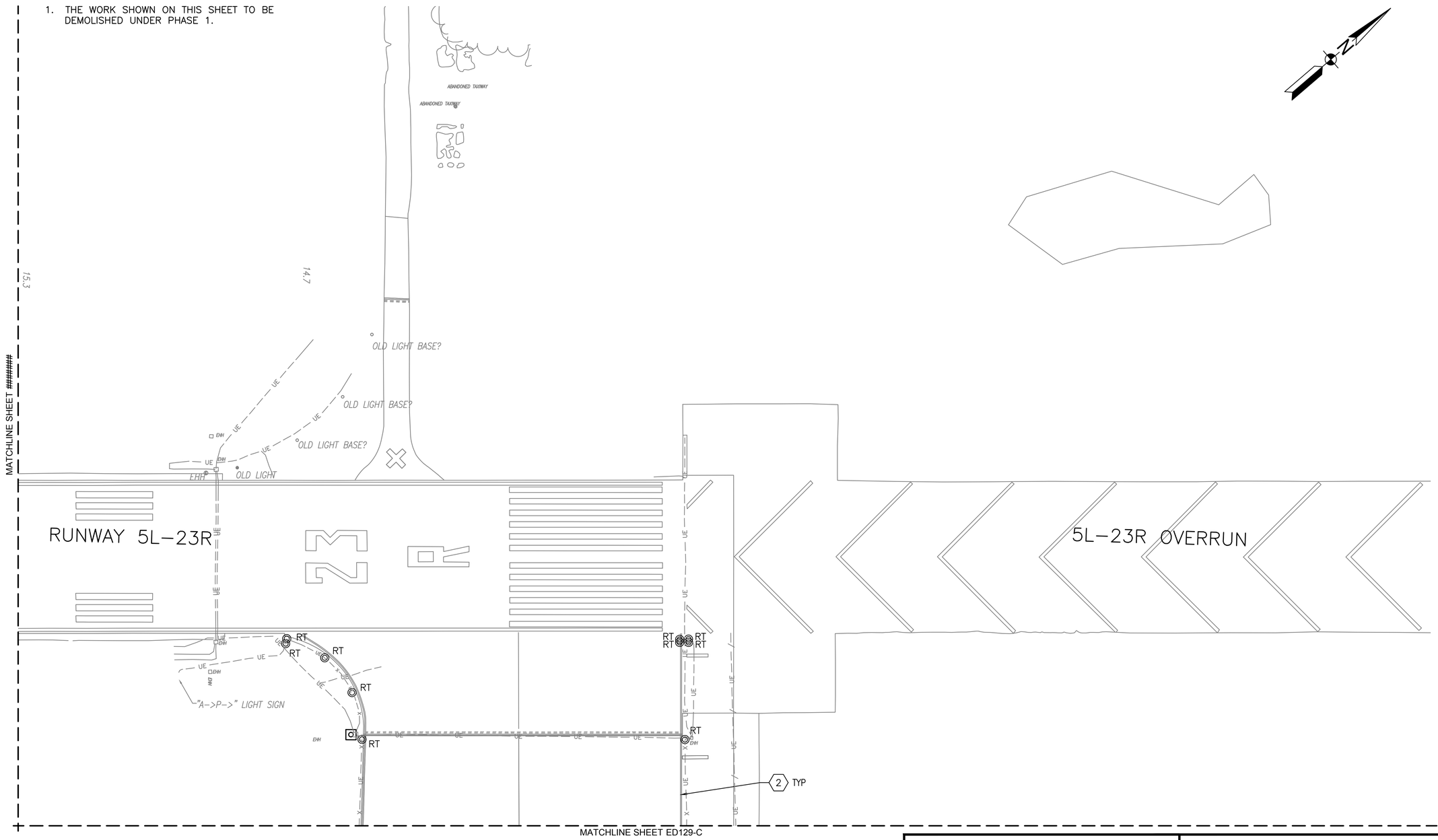
ED114-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabi\CADD\ELECTRICAL\10-0863-008-ED114-C.dwg LAYOUT NAME: ED114-C PLOTTED: Tuesday, March 24, 2015 - 3:24pm USER: cwilson

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



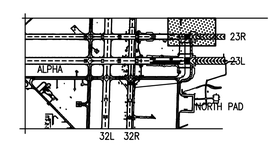
DEMOLITION KEYNOTES

2 REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP C



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTION TO DATE

DES JRB DRW RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND -- MID-ATLANTIC
NAVAL AIR STATION OCEANA -- VIRGINIA BEACH, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

ENERGY AND RELIABILITY

MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2

PARTIAL SITE PLAN - DEMOLITION

SCALE 1" = 50'-0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12691670

SHEET 137 OF 368

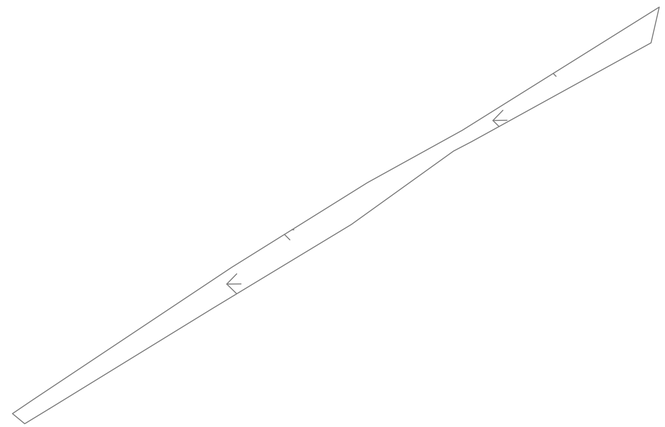
ED116-C

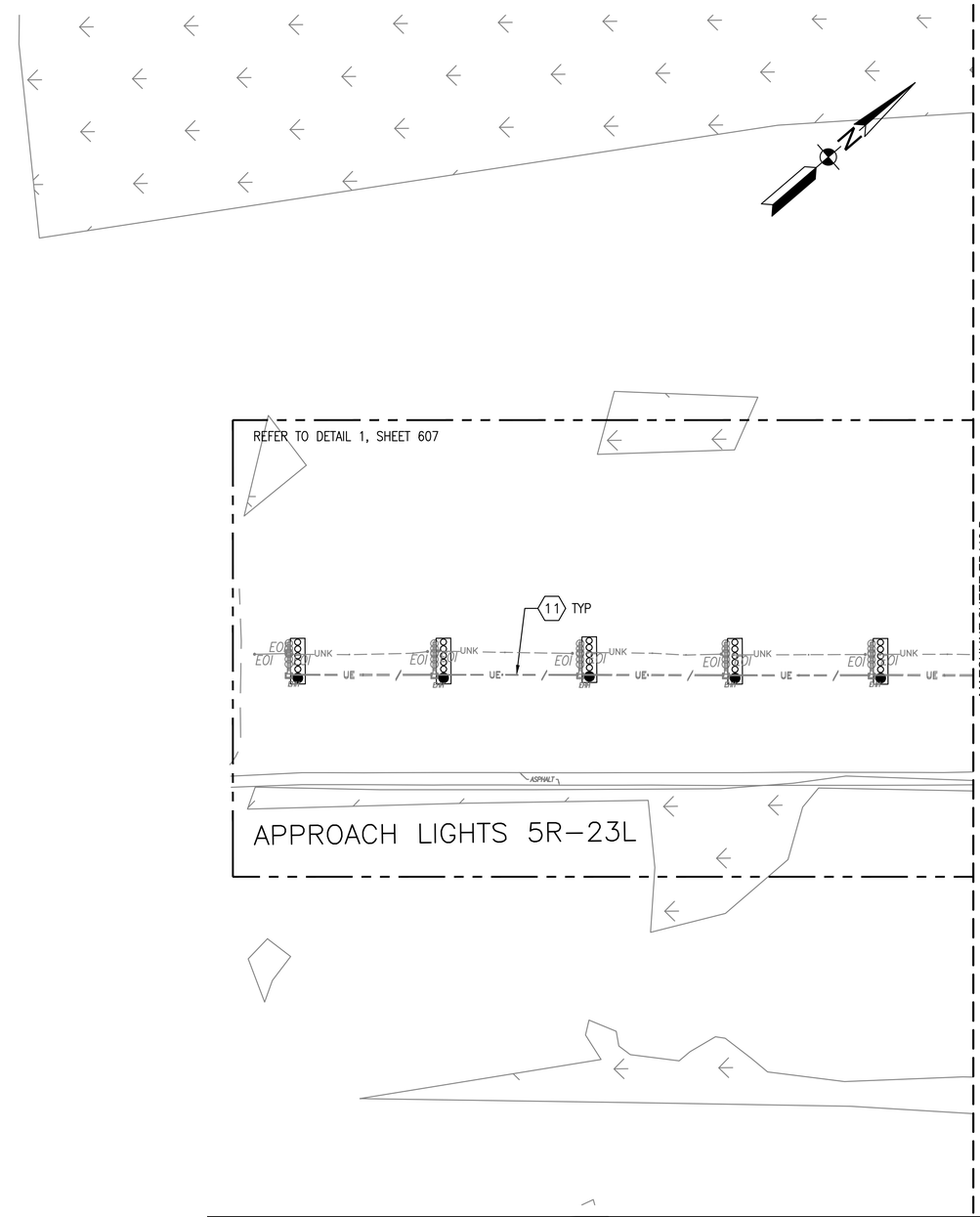
DRAWFORM REVISION: 10 MARCH 2009

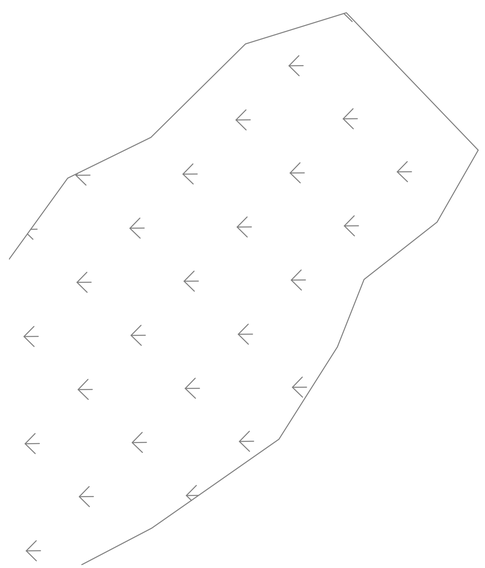
FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED116-C.dwg LAYOUT NAME: ED116-C PLOTTED: Tuesday, March 24, 2015 - 3:26pm USER: cwatson

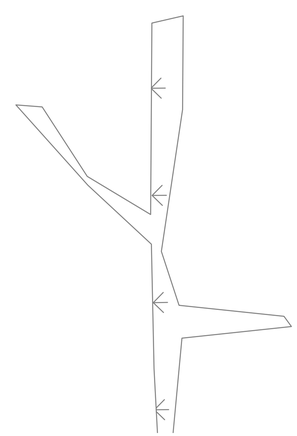
GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.









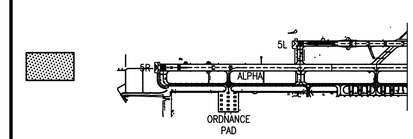
DEMOLITION KEYNOTES

(11) REMOVE WIRING FOR APPROACH LIGHTING AND RECIRCUIT TO VAULT E-1120 AS SHOWN ON DETAIL 1, SHEET EA607.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRW RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR #1 NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA

NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA

ENERGY AND RELIABILITY

MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2

PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12691671

SHEET 138 OF 368

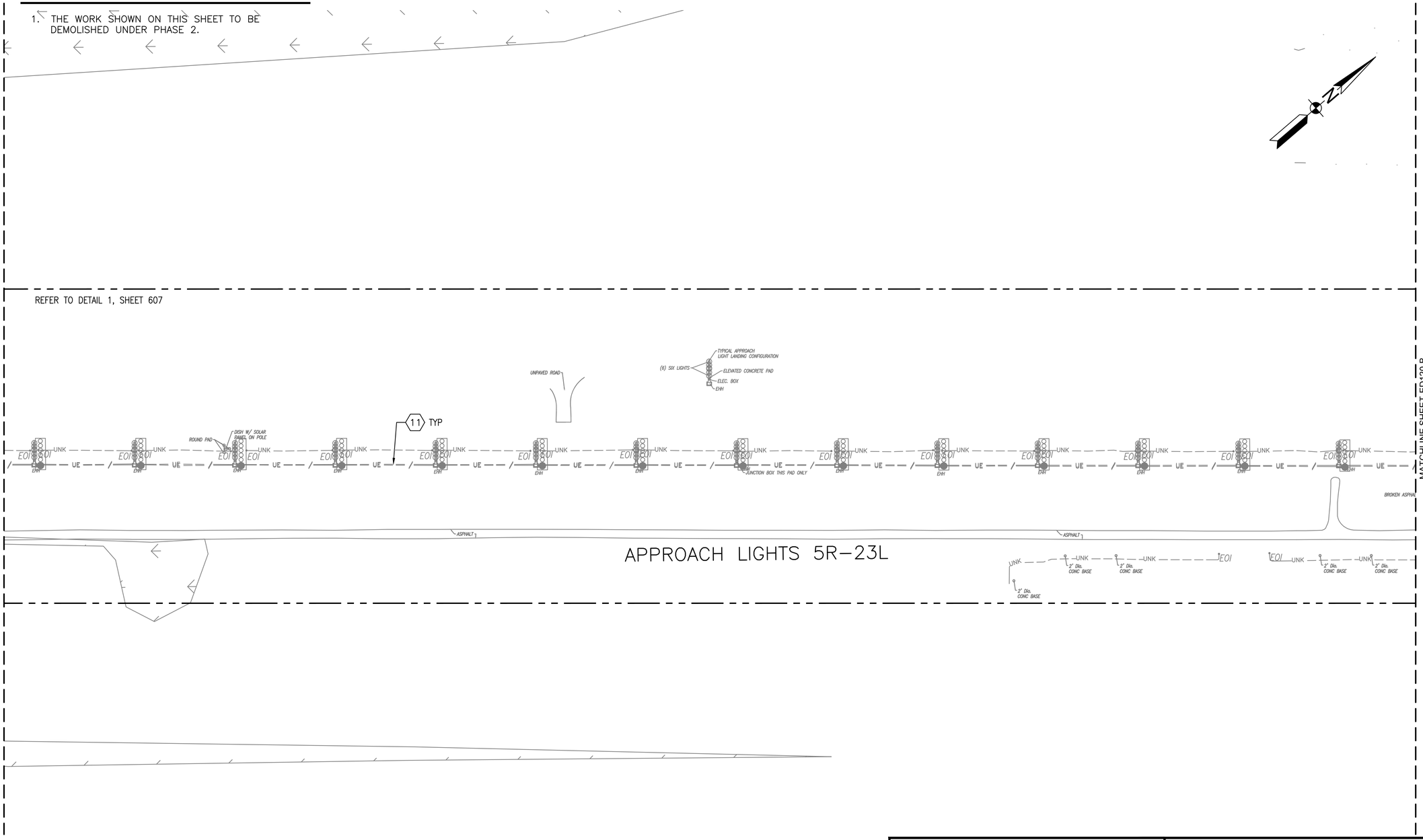
ED118-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED118-B.dwg LAYOUT NAME: ED118-B PLOTTED: Tuesday, March 24, 2015 - 10:39am USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.



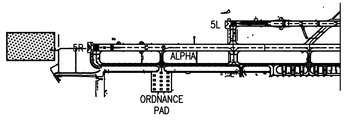
DEMOLITION KEYNOTES

(11) REMOVE WIRING FOR APPROACH LIGHTING AND RECIRCUIT TO VAULT E-1120 AS SHOWN ON DETAIL 1, SHEET EA607.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES. JRB DRW. RRR CHK. DJP

PM/CM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR #1
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691672
SHEET 139 OF 368

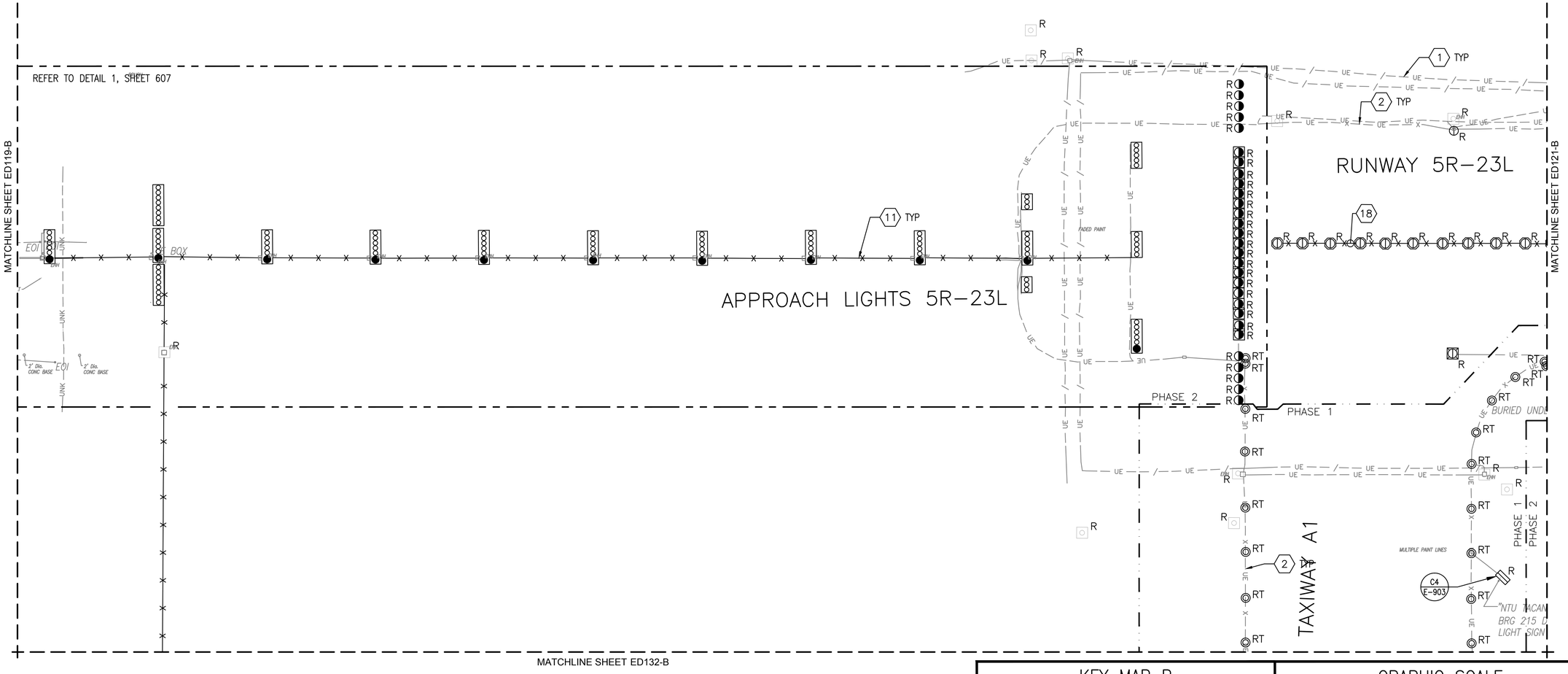
ED119-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED119-B.dwg LAYOUT NAME: ED119-B PLOTTED: Tuesday, March 24, 2015 - 10:40am USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.



DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

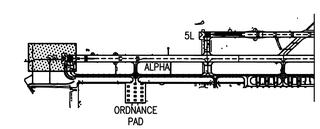
(11) REMOVE WIRING FOR APPROACH LIGHTING AND RECIRCUIT TO VAULT E-1120 AS SHOWN ON DETAIL 1, SHEET EA607.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

(18) DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB-BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

KEY MAP B



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DRW RRR CHK DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR #T
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

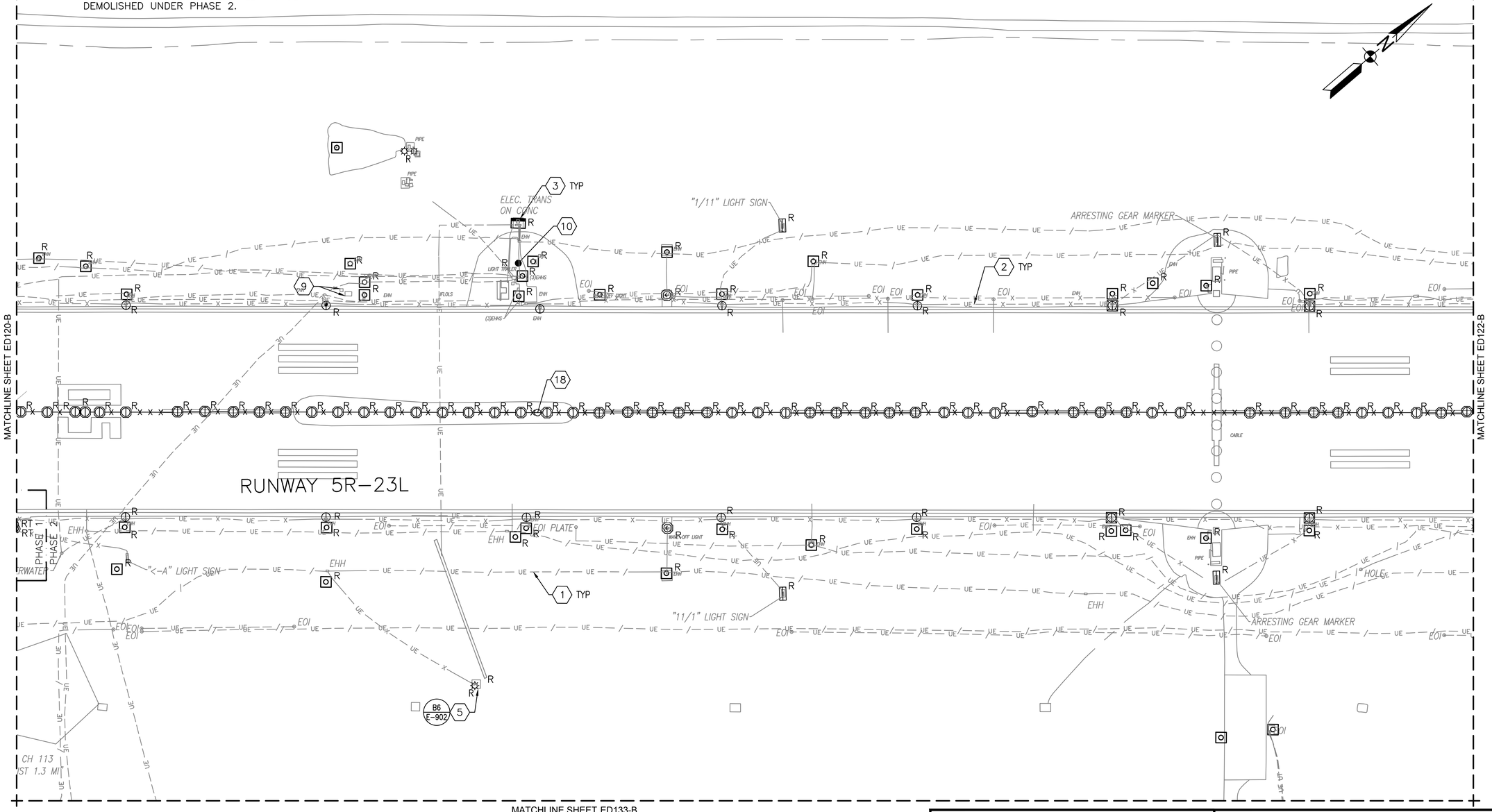
SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691673
SHEET 140 OF 368
ED120-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabili\CADD\ELECTRICAL\10-0863-008-ED120-B.dwg LAYOUT NAME: ED120-B PLOTTED: Tuesday, March 24, 2015 - 10:40am USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.



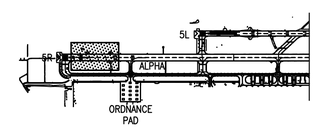
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.
3. REMOVE TRANSFORMER, PANELS, CONCRETE PAD AND ALL ASSOCIATED CABLE AND CONDUIT.
5. REMOVE LIGHTED WIND CONE AND CIRCUITING,
9. EXISTING CONCRETE PAD TO REMAIN.
10. REMOVE ALL ABANDONED ELECTRICAL EQUIPMENT, HANDHOLES AND RECEPTACLES AT OLS.
18. DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB-BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES. JRB DRN RRR CHK DJP

PM/CM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR #T
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691674
SHEET 141 OF 368

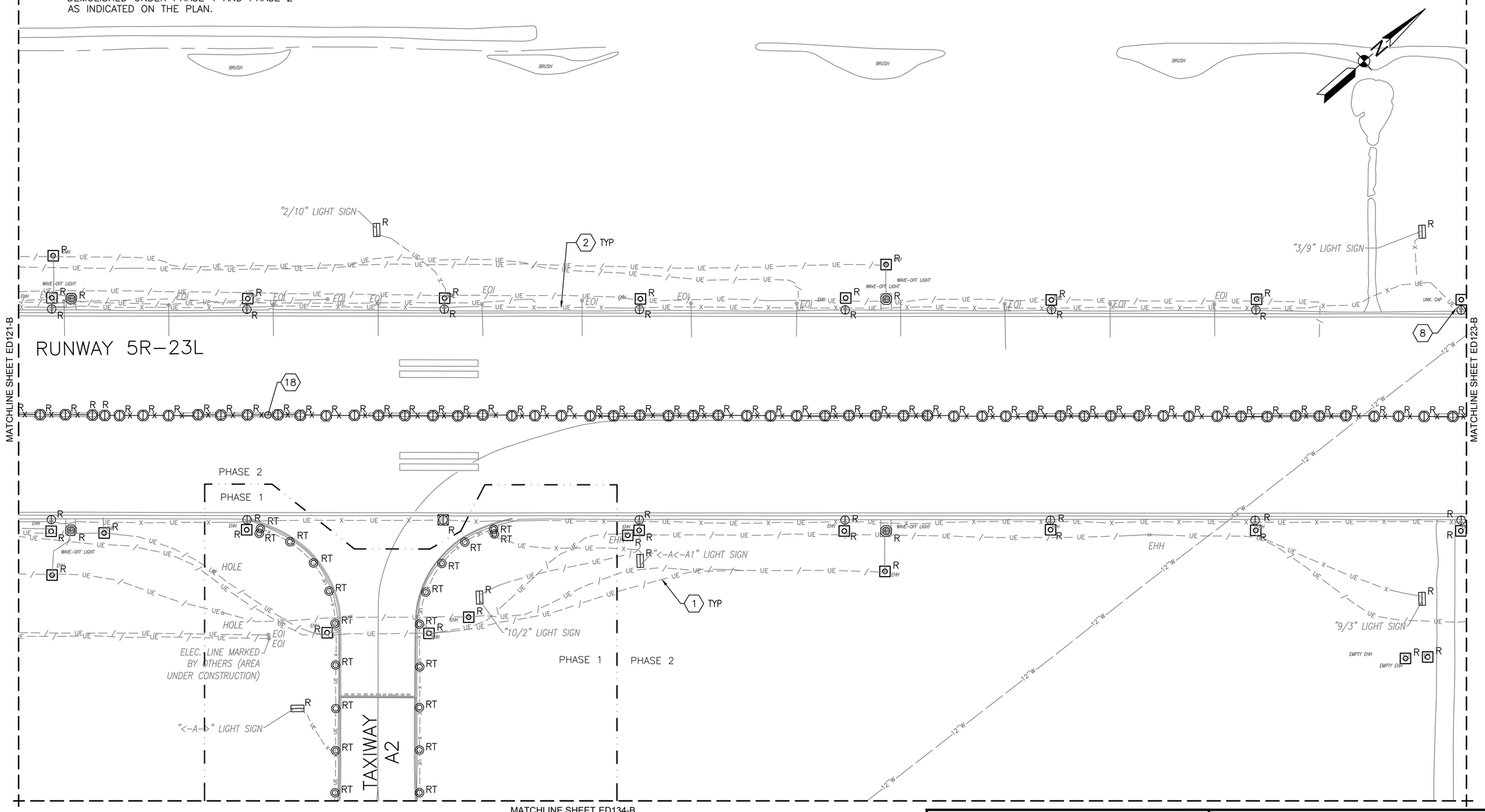
ED-121B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabili\CADD\ELECTRICAL\10-0863-008-ED121-B.dwg LAYOUT NAME: ED121-B PLOTTED: Tuesday, March 24, 2015 - 10:41am USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.



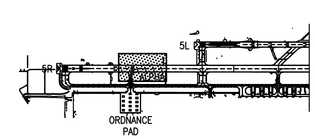
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.
8. REMOVE CONCRETE SLAB AND ABANDONED ELECTRICAL CONDUIT AND CABLE.
18. DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB-BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DRN RRR CHK DJP
W/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

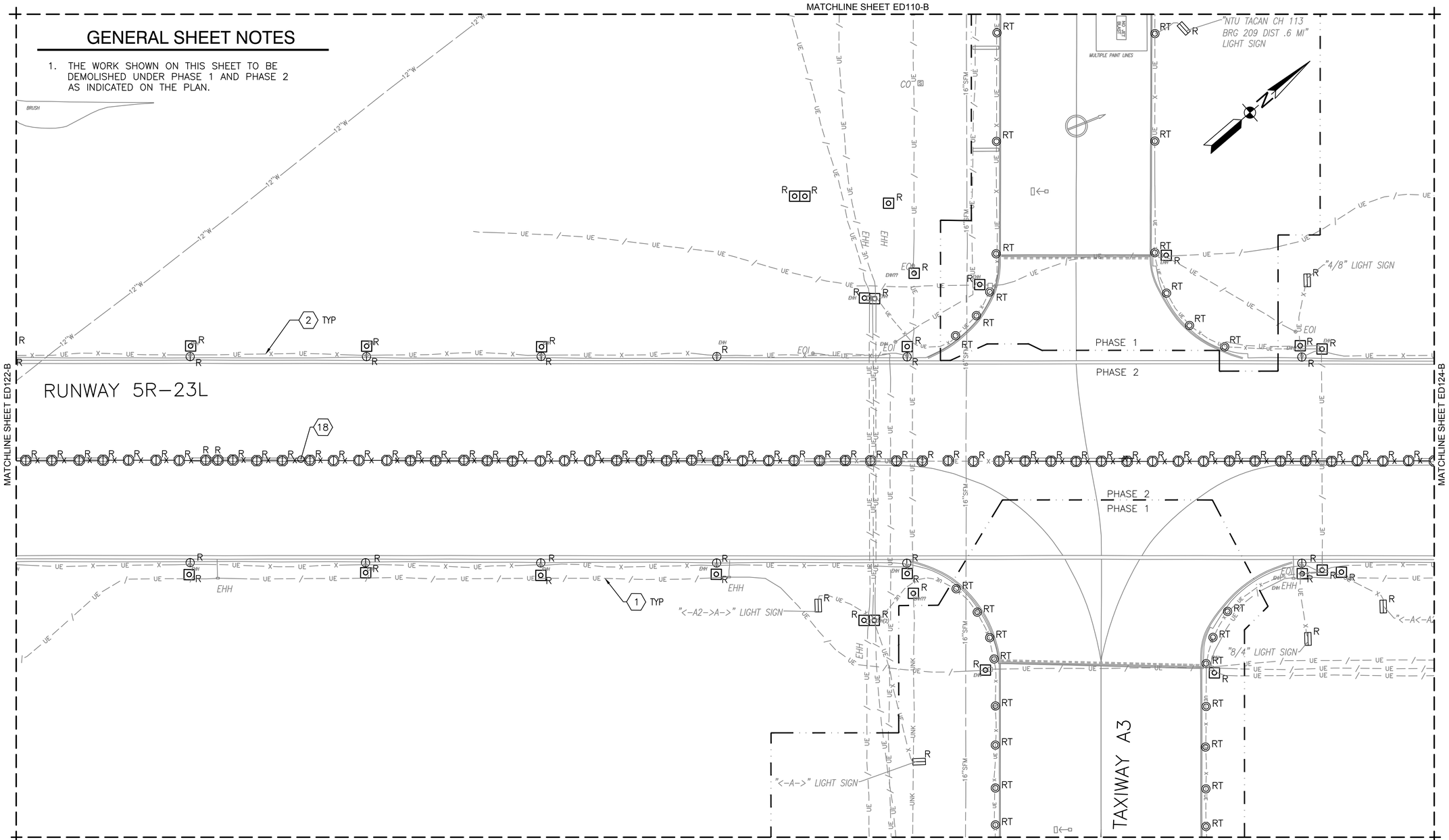
SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691675
SHEET 142 OF 368
ED122-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED122-B.dwg LAYOUT NAME: ED122-B PLOTTED: Tuesday, March 24, 2015 - 3:27pm USER: cwilson

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.



DEMOLITION KEYNOTES

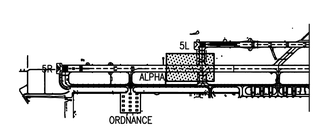
1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

18. DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB-BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED:
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DWN RRR CHK DJP
W/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

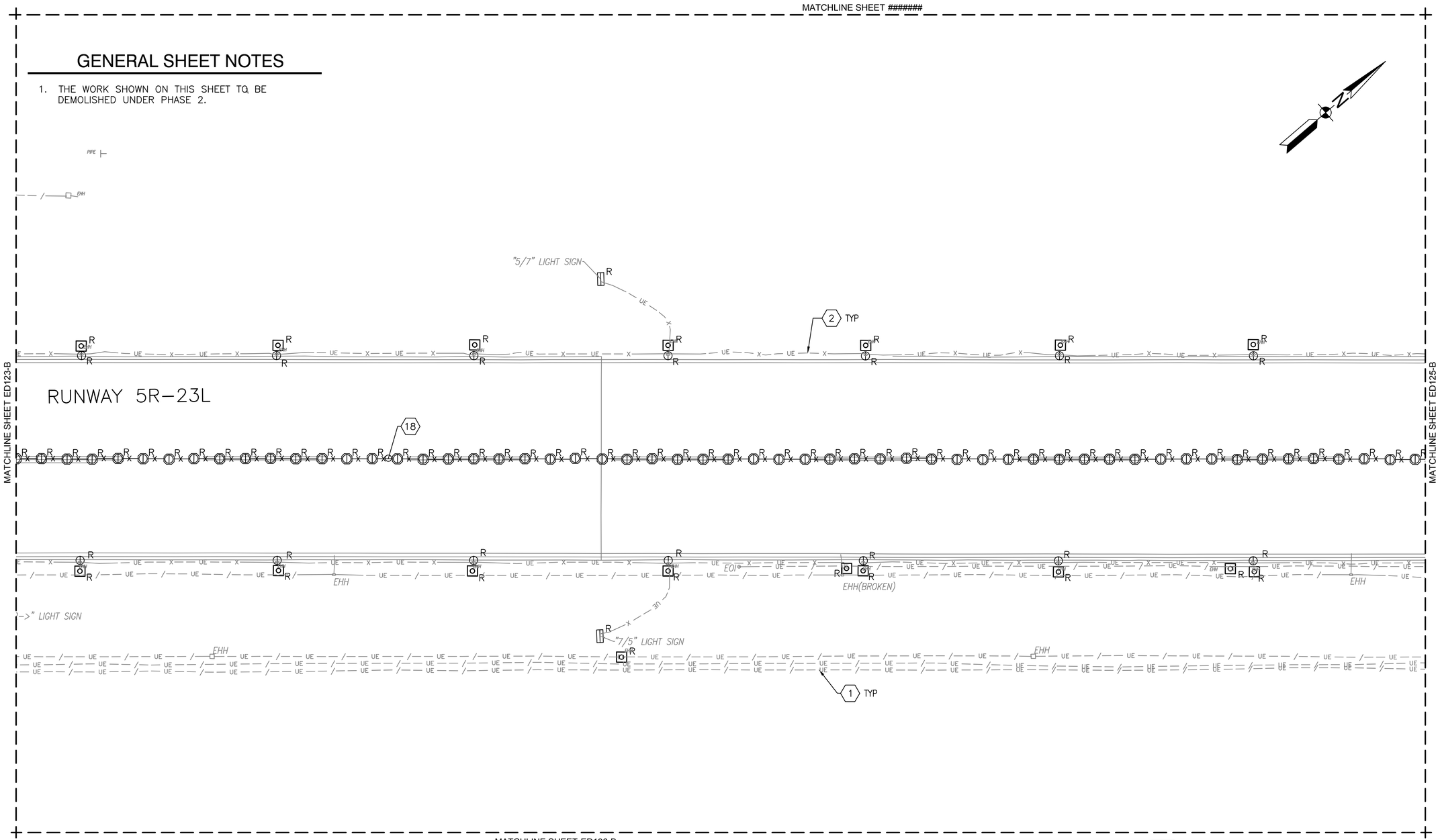
SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691676
SHEET 143 OF 368
ED123-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED123-B.dwg LAYOUT NAME: ED123-B PLOTTED: Tuesday, March 24, 2015 - 3:30pm USER: cwilson

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.



DEMOLITION KEYNOTES

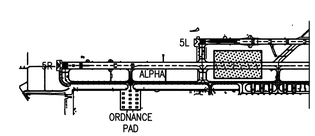
1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

18. DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB–BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED:
FOR COMMANDER NAVFAC
DATE:
SATISFACTORY TO: DATE:

DES. JRB DWN. RRR CHK. DJP
M/PM:
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT NAVAL AIR STATION OCEANA NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

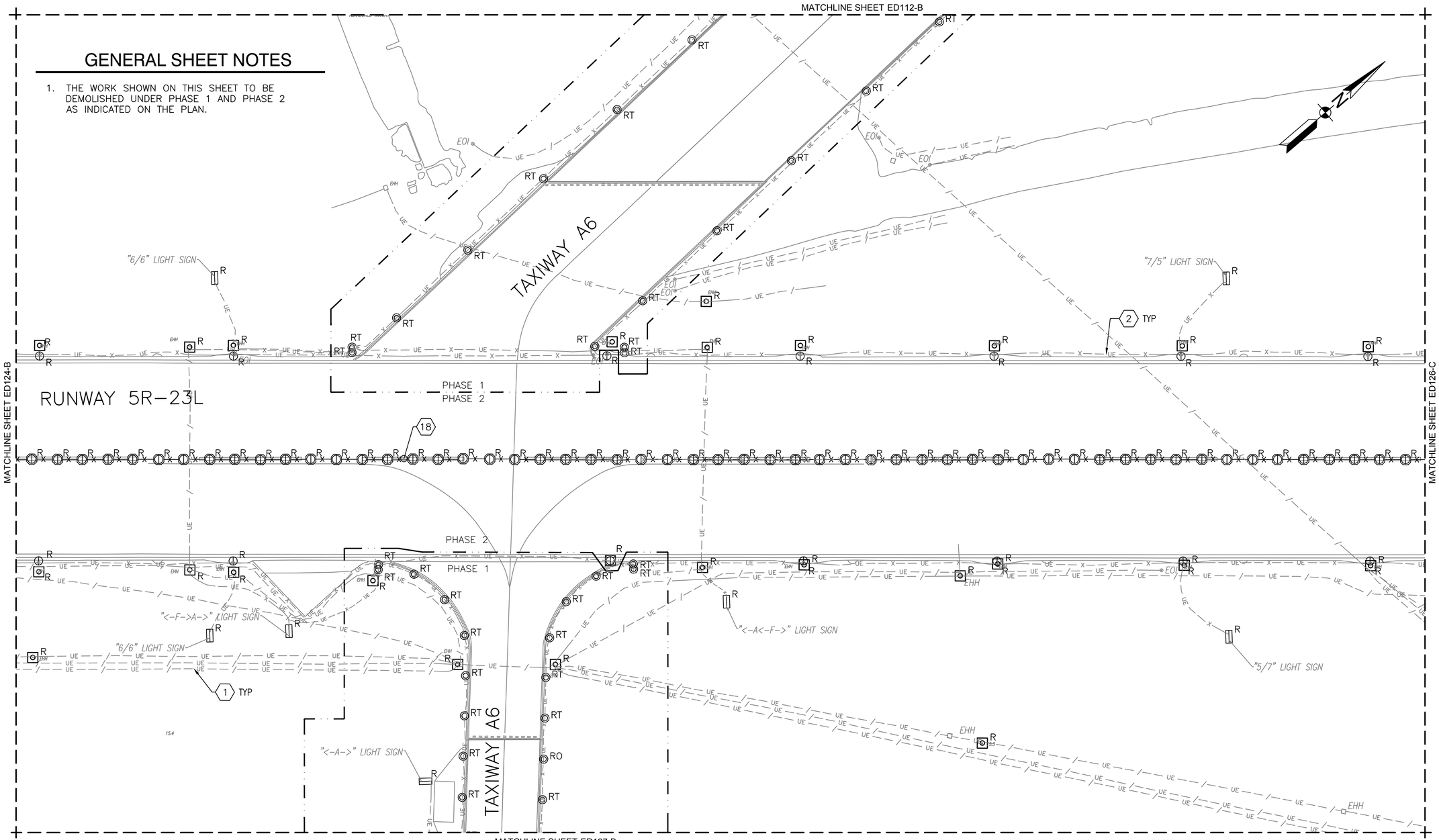
SCALE: 1" = 50'–0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.:
NAVFAC DRAWING NO.: 12691677
SHEET 144 OF 368
ED124-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED124-B.dwg LAYOUT NAME: ED124-B PLOTTED: Tuesday, March 24, 2015 - 10:43am USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.



DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

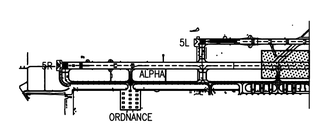
(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

(18) DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB-BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

DATE

SATISFACTORY TO DATE

DES JRB DRN RRR CHK DJP

W/CM

BRANCH MANAGER WED

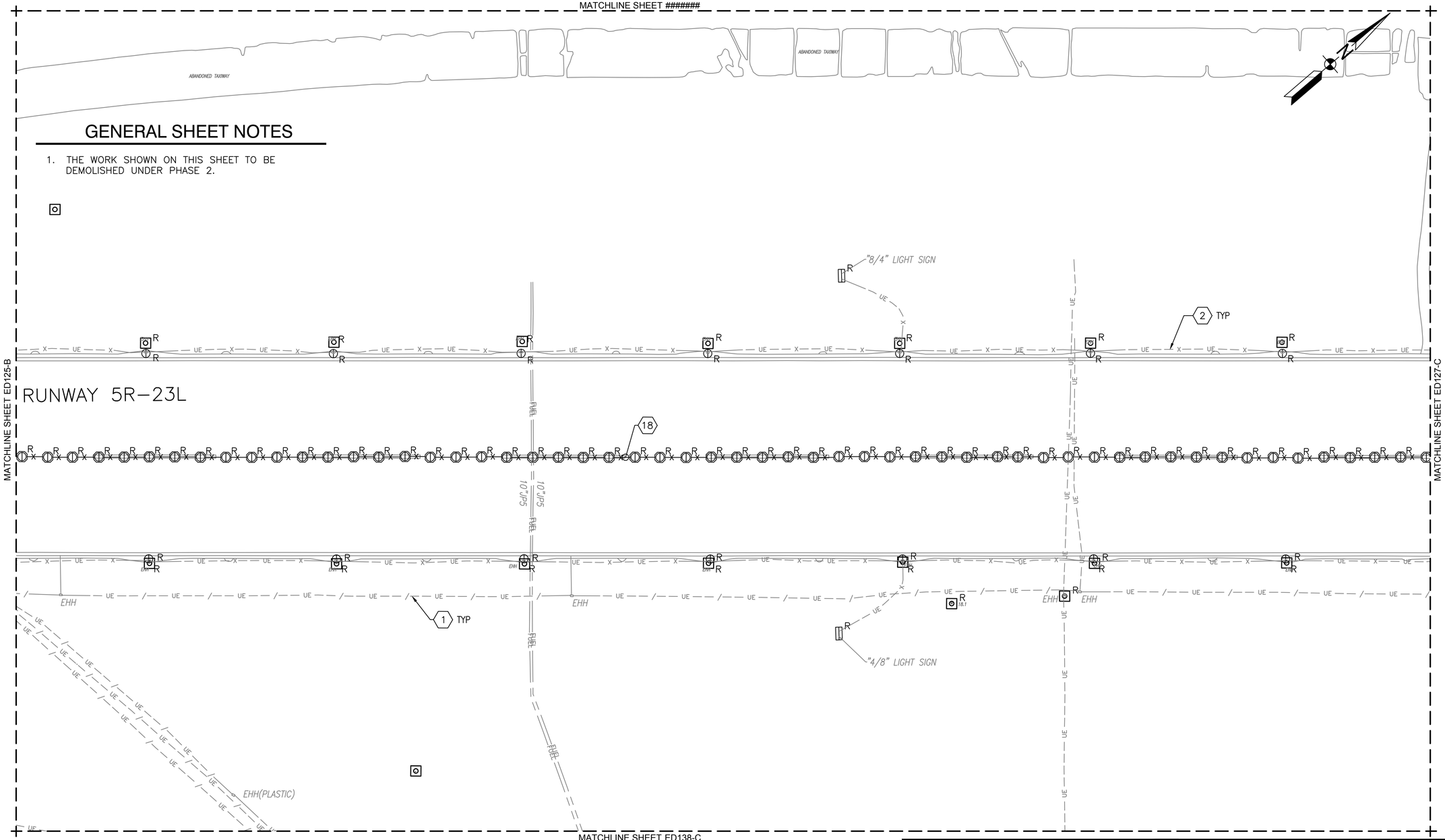
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
HR IPT
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691678
SHEET 145 OF 368
ED125-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED125-B.dwg LAYOUT NAME: ED125-B PLOTTED: Tuesday, March 24, 2015 - 3:32pm USER: cwilson



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.

DEMOLITION KEYNOTES

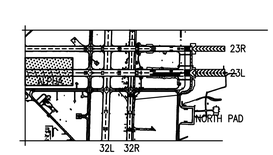
1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

18. DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB-BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

KEY MAP C



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRN RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"

PROJECT NO.: 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
12691679

SHEET 146 OF 368

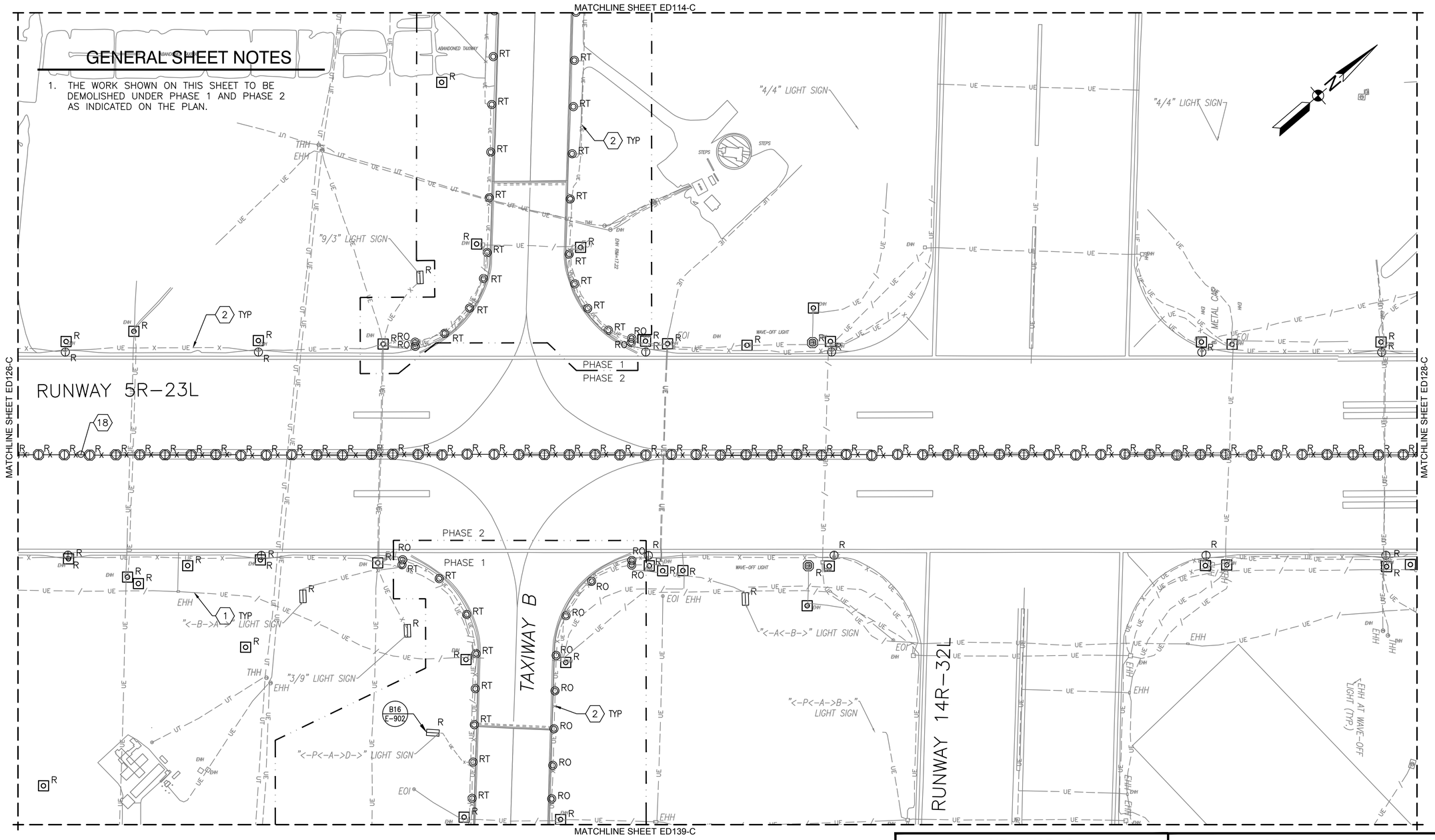
ED126-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED126-C.dwg LAYOUT NAME: ED126-C PLOTTED: Tuesday, March 24, 2015 - 10:45am USER: Rhunt

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.



DEMOLITION KEYNOTES

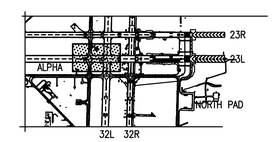
1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

18. DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB-BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

KEY MAP C



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

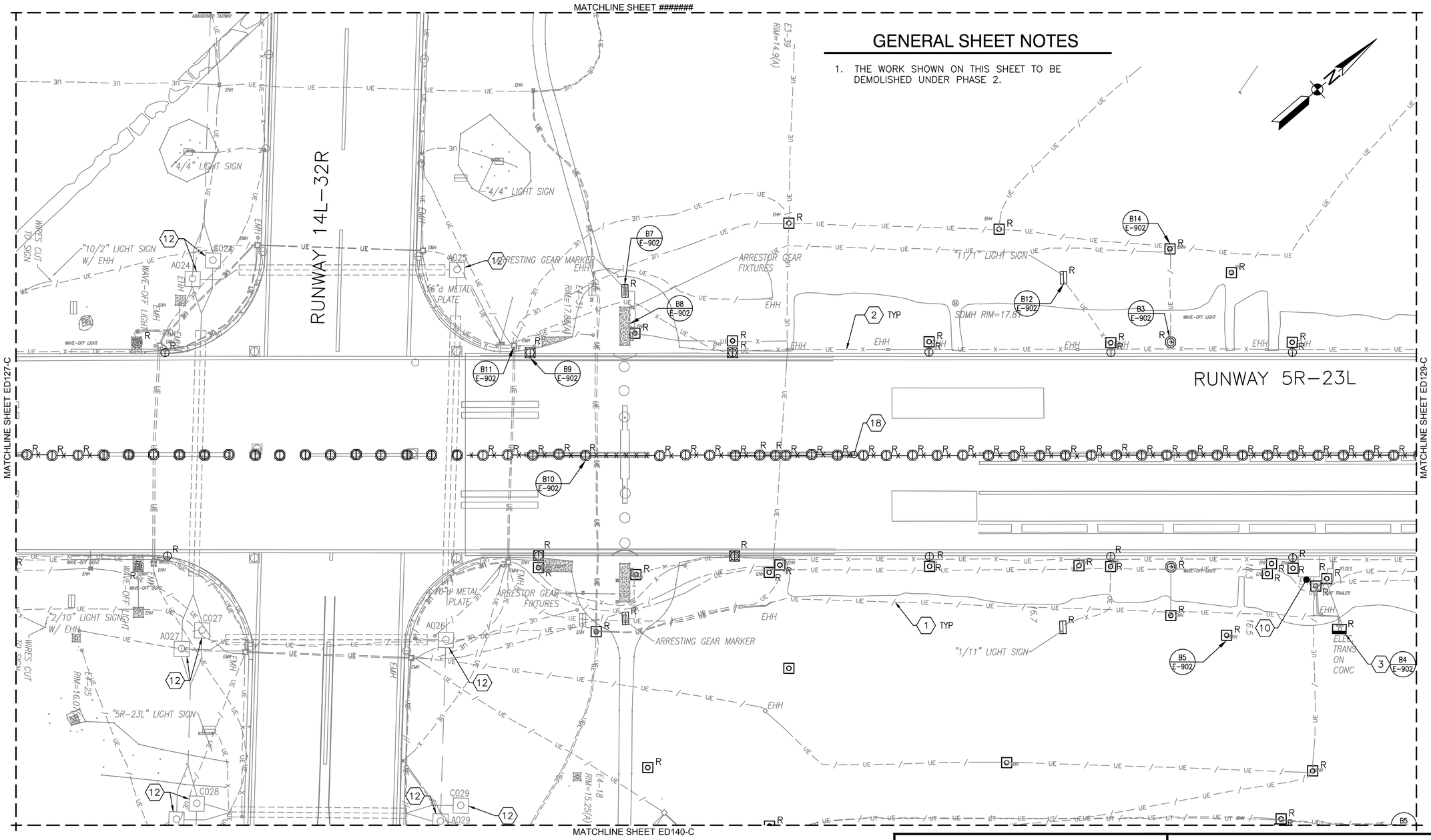
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DRW RRR CHK DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR #T
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691680
SHEET 147 OF 368
ED127-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED127-C.dwg LAYOUT NAME: ED127-C PLOTTED: Tuesday, March 24, 2015 - 3:33pm USER: cwatson



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.

DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

(3) REMOVE TRANSFORMER, PANELS, CONCRETE PAD AND ALL ASSOCIATED CABLE AND CONDUIT.

(10) REMOVE ALL ABANDONED ELECTRICAL EQUIPMENT, HANDHOLES AND RECEPTACLES AT OLS.

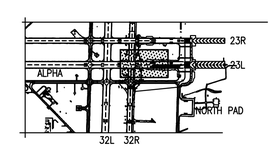
(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

(18) DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB–BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP C



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DWN RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NR IPT
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'–0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

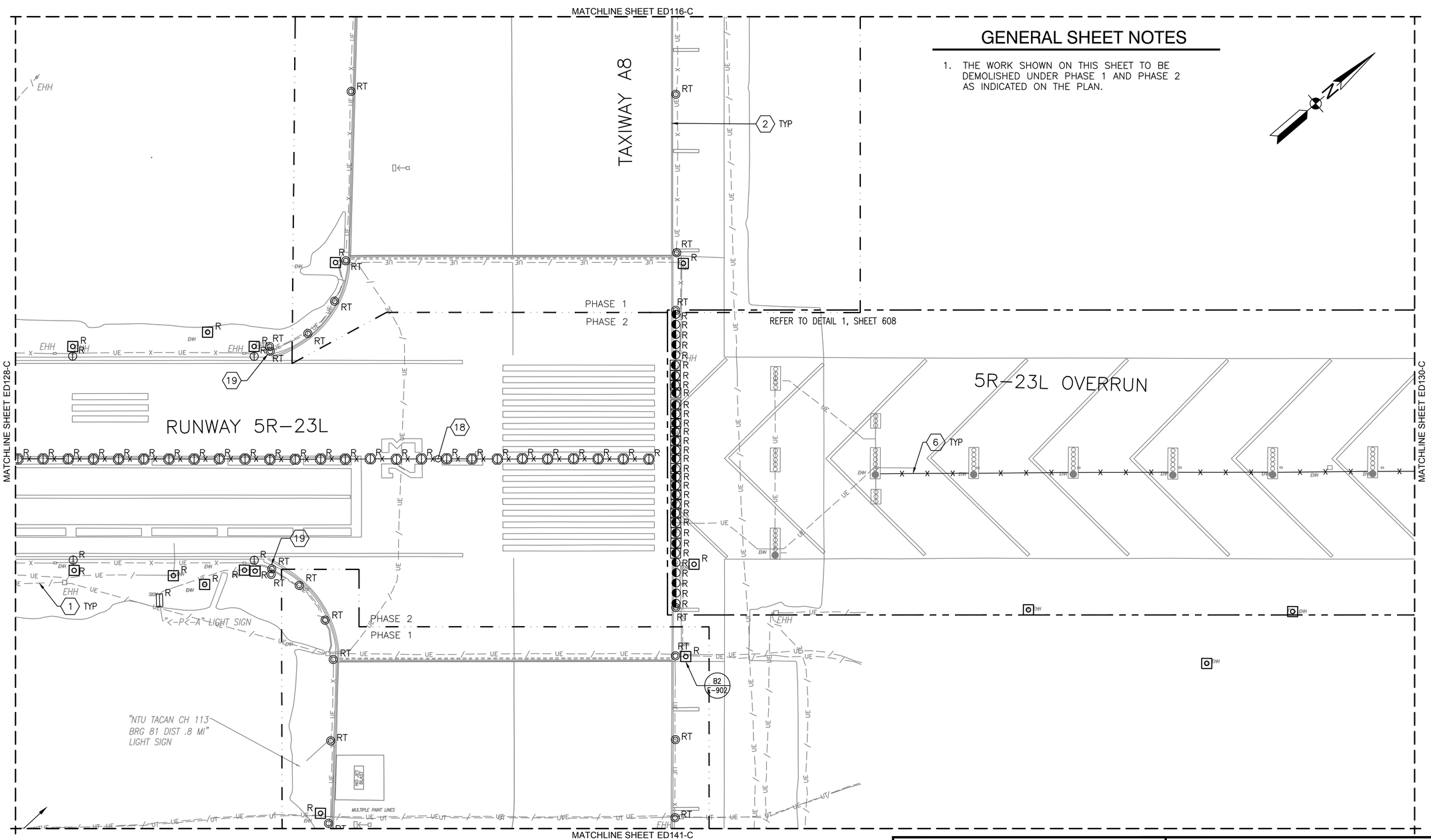
NAVFAC DRAWING NO. 12691681

SHEET 148 OF 368

ED128-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\MD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED128-C.dwg LAYOUT NAME: ED128-C PLOTTED: Tuesday, March 24, 2015 - 12:35pm USER: Rhunt



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.

DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(6) REMOVE WIRING FOR 23 APPROACH LIGHTING AND RE–CIRCUIT TO VAULT 3036, REFER TO EA608.

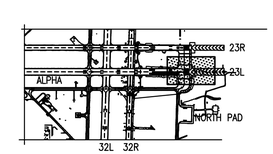
(18) DISCONNECT AND REMOVE EXISTING CENTERLINE LIGHT AND ISOLATION TRANSFORMER. MAINTAIN SUB–BASE CAN, UNDERGROUND CONDUIT AND WIRING FOR CONNECTION TO NEW LIGHT AND ISOLATION TRANSFORMER.

(19) RUNWAY EXIT/ENTRANCE LIGHTS, TWO ELEVATED BLUE TAXIWAY LIGHTS SPACED 5 FEET APART.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP C



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES: JRB DRW: RRR CHK: DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'–0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12691682
SHEET 149 OF 368
ED129-C
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED129-C.dwg LAYOUT NAME: ED129-C PLOTTED: Tuesday, March 24, 2015 - 3:01pm USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.

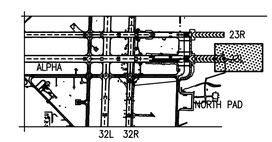
DEMOLITION KEYNOTES

6 REMOVE WIRING FOR 23 APPROACH LIGHTING AND RE–CIRCUIT TO VAULT 3036, REFER TO EA608.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP C



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES. JRB DRW. RRR CHK. DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA ~ VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

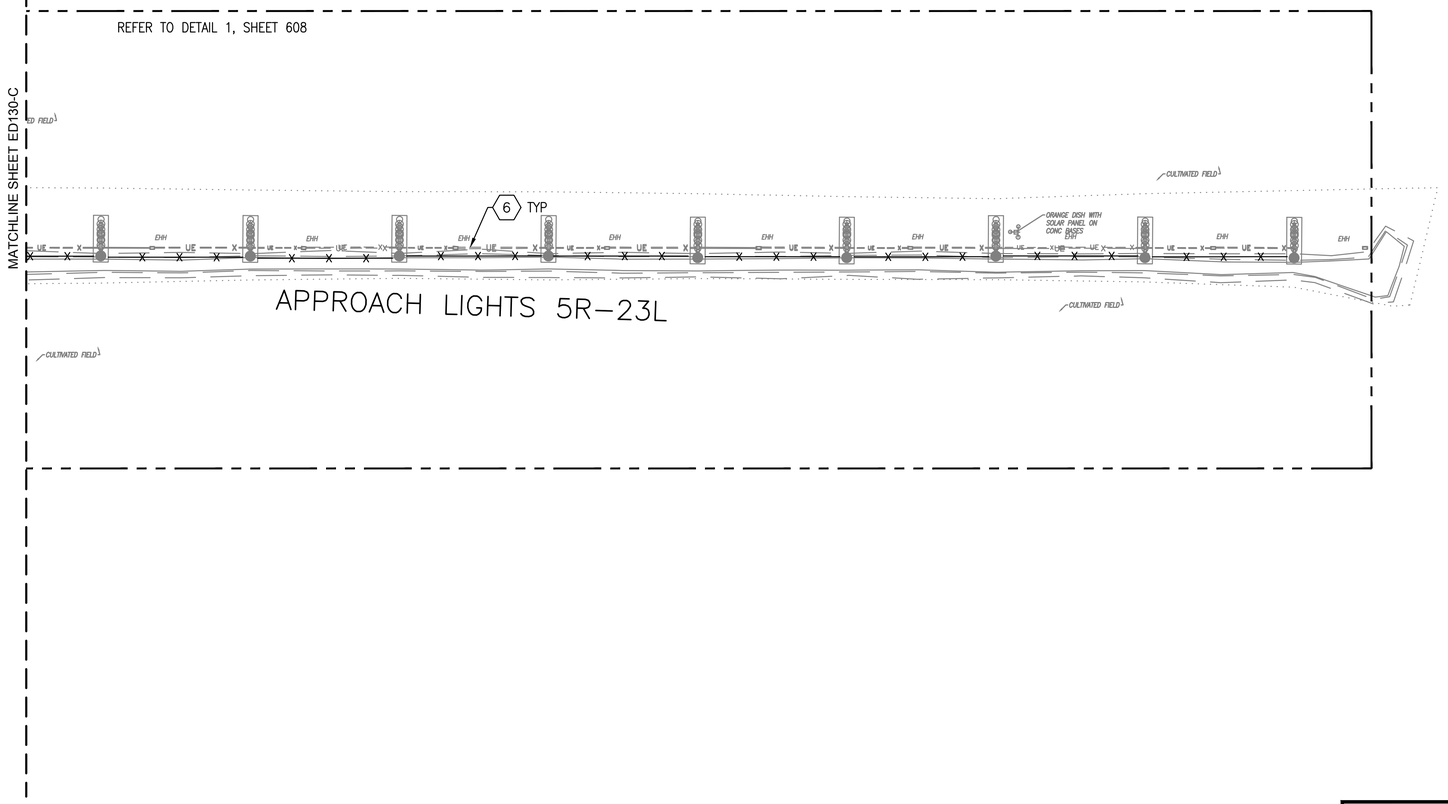
SCALE 1" = 50'–0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691683
SHEET 150 OF 368
ED130-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SWD\100963_008_Energy_and_Reliabili\CADD\ELECTRICAL\10-0963-008-ED130-C.dwg LAYOUT NAME: ED130-C PLOTTED: Tuesday, March 24, 2015 - 3:08pm USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.



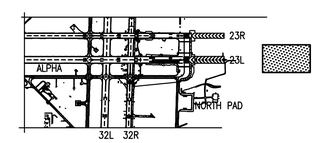
DEMOLITION KEYNOTES

6 REMOVE WIRING FOR 23 APPROACH LIGHTING AND RE–CIRCUIT TO VAULT 3036, REFER TO EA608.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP C



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

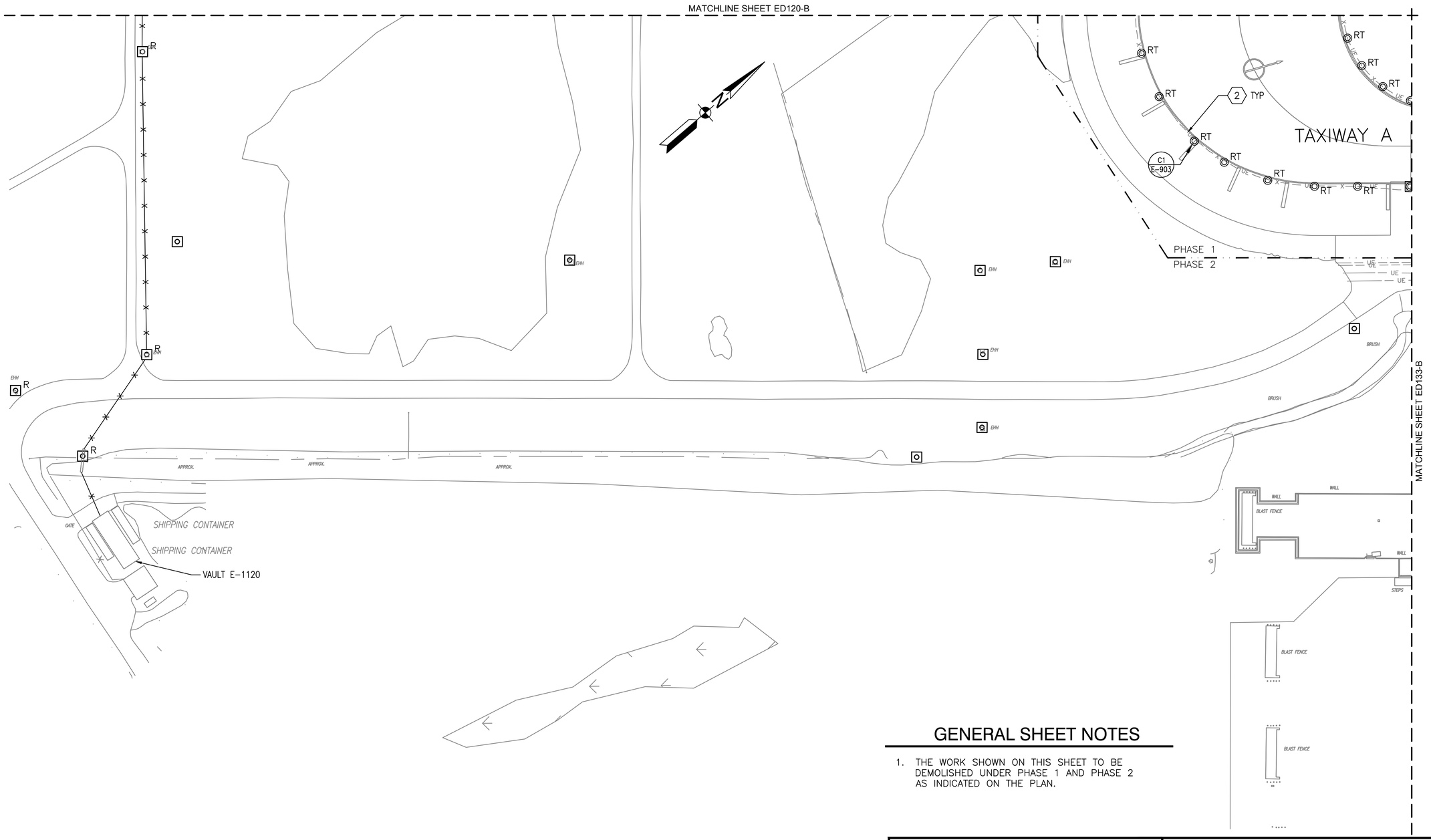
A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DRW RRR CHK DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA ~ VIRGINIA BEACH, VIRGINIA
NR #PT
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'–0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691684
SHEET 151 OF 368
ED131-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED131-C.dwg LAYOUT NAME: ED131-C PLOTTED: Tuesday, March 24, 2015 - 3:10pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.

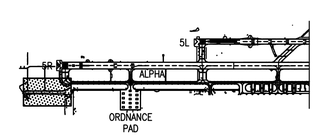
DEMOLITION KEYNOTES

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

CDR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY BY: DATE

DES. JRB DRN. RRR CHK. DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

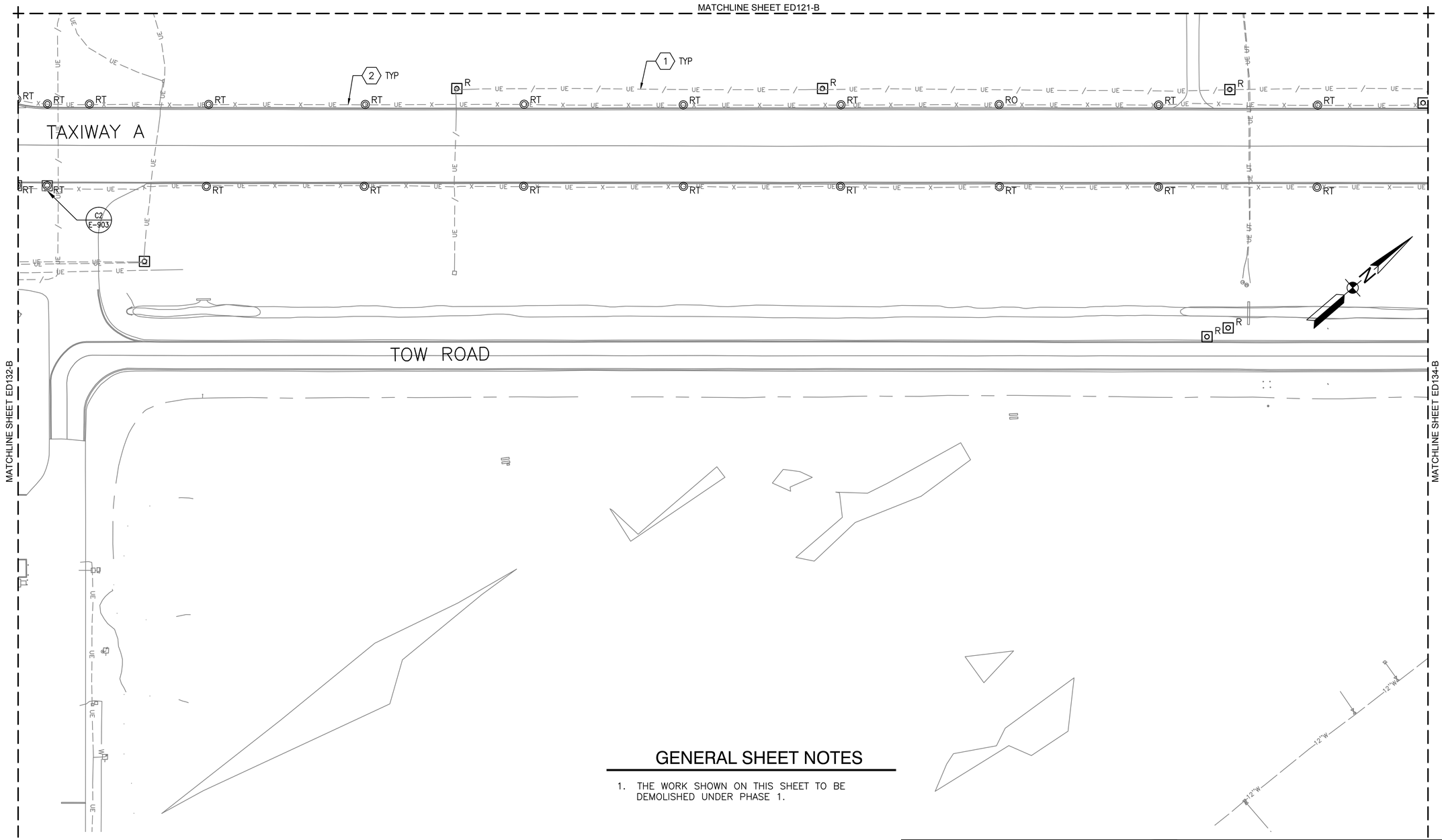
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.:
NAVFAC DRAWING NO.: 12691685
SHEET 152 OF 368

ED132-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\SMD\109863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED132-B.dwg LAYOUT NAME: ED132-B PLOTTED: Tuesday, March 24, 2015 - 12:38pm USER: Rhunt



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

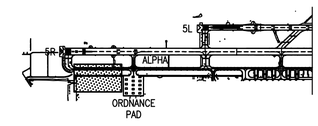
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRW RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

HR #T

SCALE 1" = 50'-0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

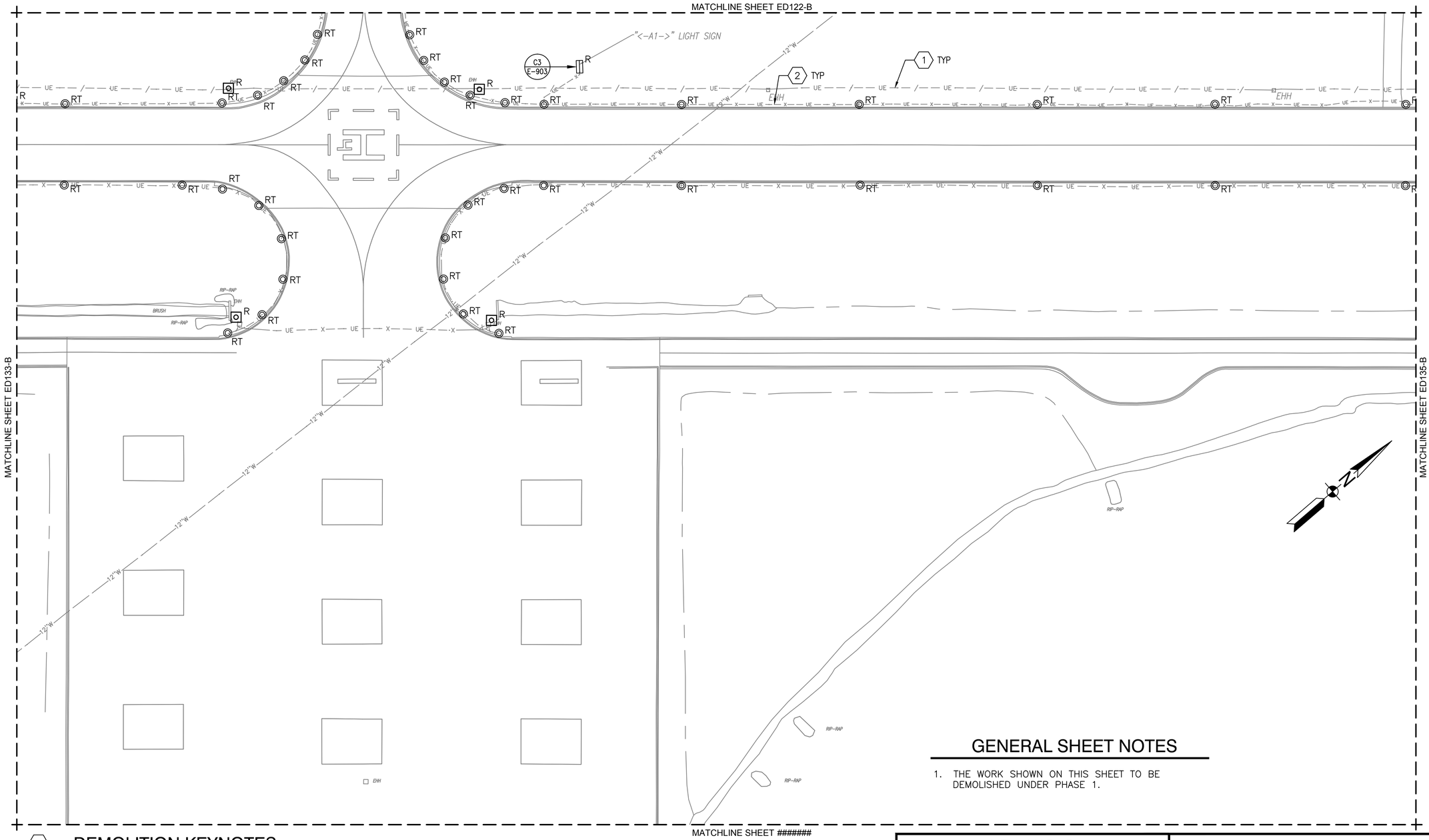
NAVFAC DRAWING NO. 12691686

SHEET 153 OF 368

ED133-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SWD\100963_008_Energy_and_Reliabi\CADD\ELECTRICAL\10-0963-008-ED133-B.dwg LAYOUT NAME: ED133-B PLOTTED: Tuesday, March 24, 2015 - 12:38pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

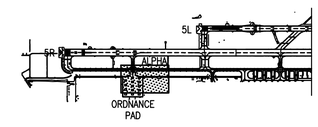
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DWN RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"

EFPROJECT NO.: 1291651

CONSTR. CONTR. NO.

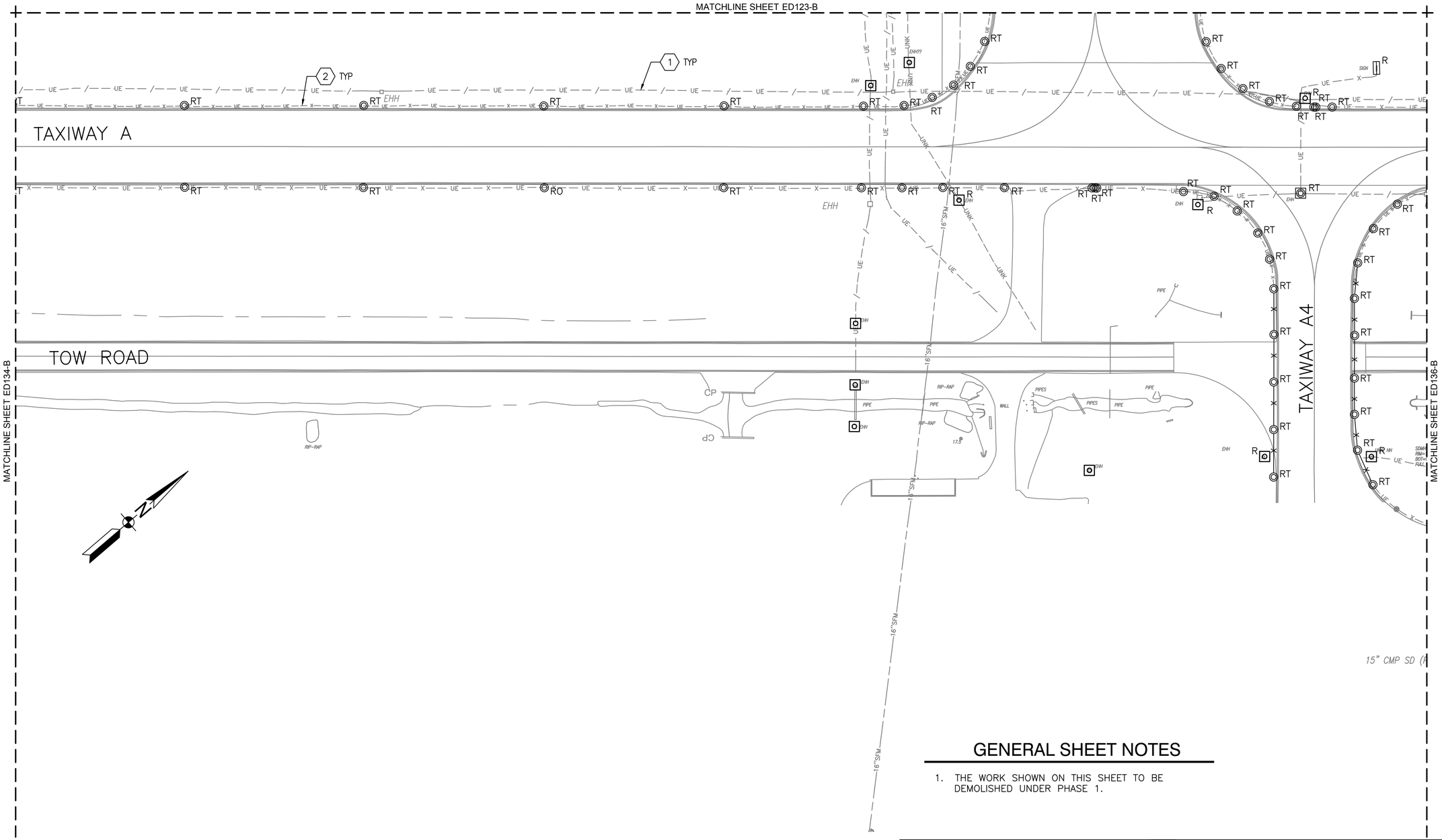
NAVFAC DRAWING NO.
12691687

SHEET 154 OF 368

ED134-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\108863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED134-B.dwg LAYOUT NAME: ED134-B PLOTTED: Tuesday, March 24, 2015 - 3:16pm USER: Rhurst



DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

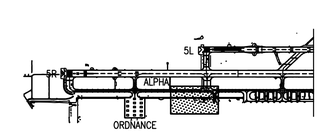
PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

KEY MAP B



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE

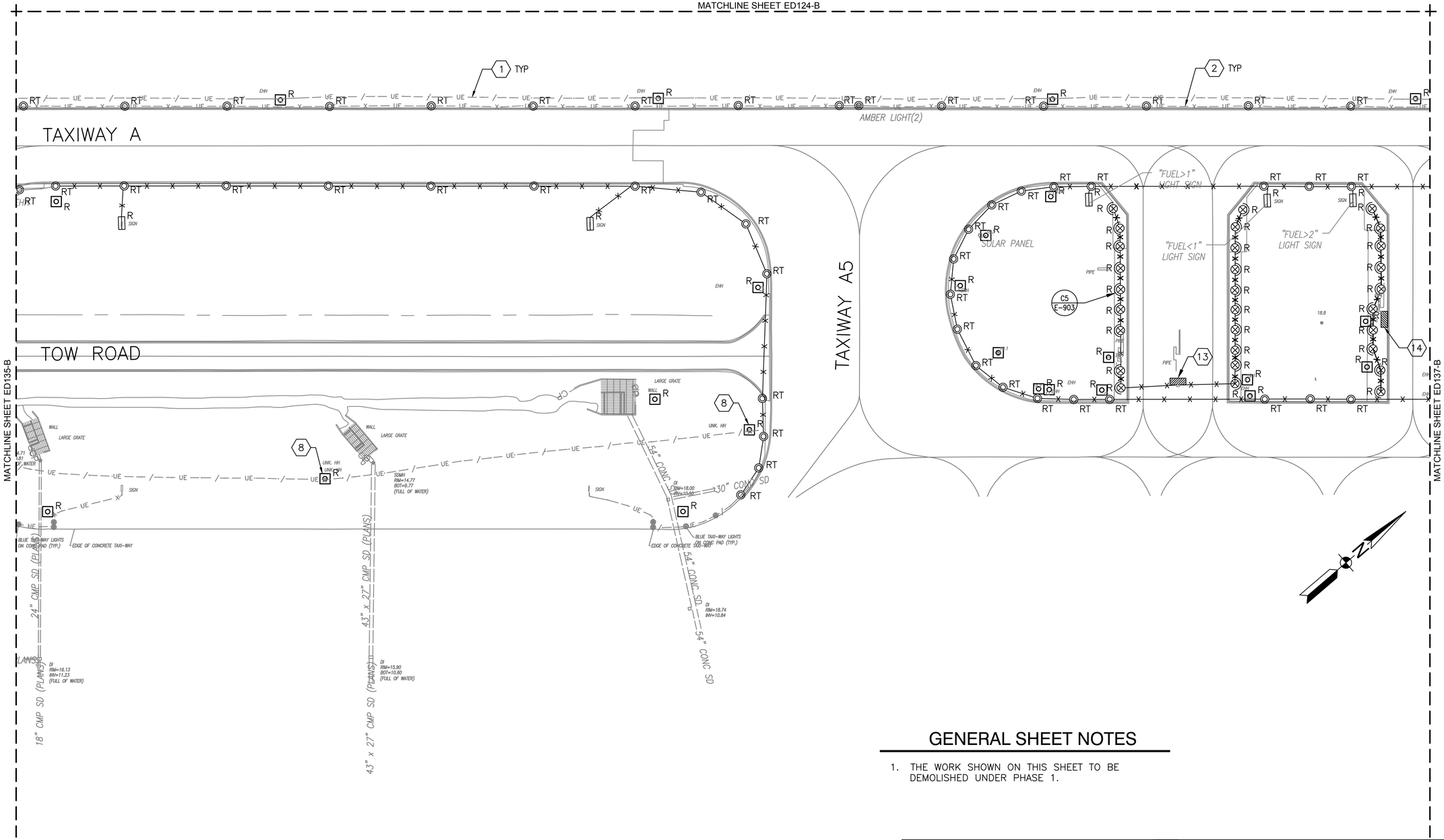
DES. JRB DWN. RRR CHK. DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA - VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691688
SHEET 155 OF 368
ED135-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED135-B.dwg LAYOUT NAME: ED135-B PLOTTED: Tuesday, March 24, 2015 - 3:30pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(8) REMOVE CONCRETE SLAB AND ABANDONED ELECTRICAL CONDUIT AND CABLE.

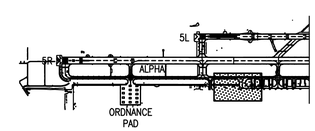
(13) DISCONNECT AND REMOVE EXISTING PANELBOARD. REMOVE PANELBOARD'S FEEDER AND CONDUIT BACK TO TRANSFORMER. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD. DISCONNECT AND REMOVE EXISTING TRANSFORMER. MAINTAIN TRANSFORMER PRIMARY CIRCUIT CONTINUITY TO EXISTING ELECTRICAL LOADS ON THAT CIRCUIT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

(14) DISCONNECT AND REMOVE EXISTING PANELBOARD. REMOVE PANELBOARD'S FEEDER AND CONDUIT BACK TO SOURCE. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD.

KEY MAP B



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTION OF: DATE

DES. JRB DRW. RRR CHK. DJP

PM/CM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

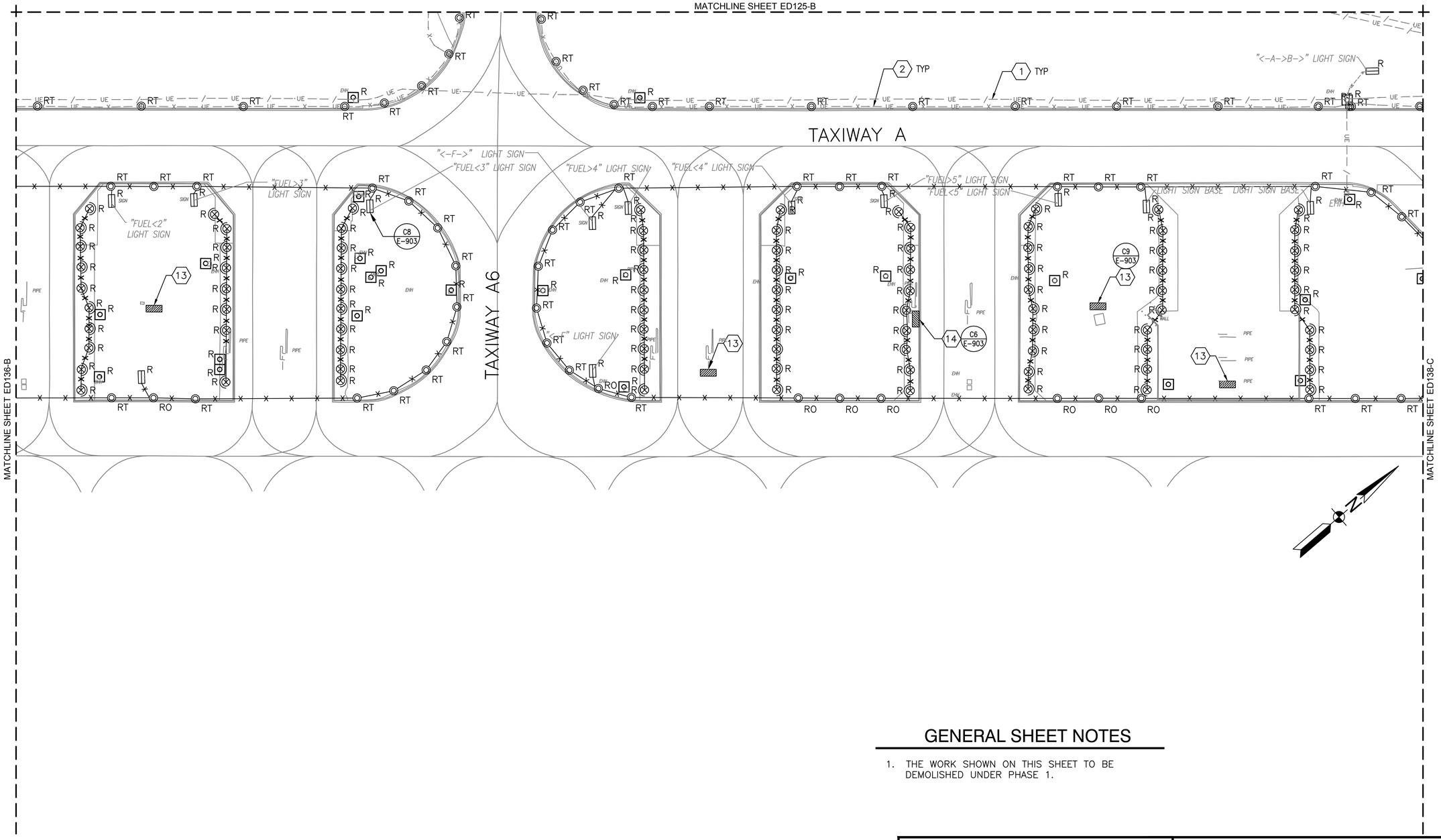
NAVFAC DRAWING NO. 12691689

SHEET 156 OF 368

ED136-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\109863_DOB_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED136-B.dwg LAYOUT NAME: ED136-B PLOTTED: Tuesday, March 24, 2015 - 12:41pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

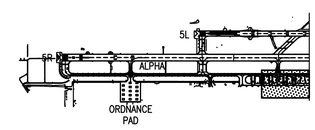
(13) DISCONNECT AND REMOVE EXISTING PANELBOARD. REMOVE PANELBOARD'S FEEDER AND CONDUIT BACK TO TRANSFORMER. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD. DISCONNECT AND REMOVE EXISTING TRANSFORMER. MAINTAIN TRANSFORMER PRIMARY CIRCUIT CONTINUITY TO EXISTING ELECTRICAL LOADS ON THAT CIRCUIT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

(14) DISCONNECT AND REMOVE EXISTING PANELBOARD. REMOVE PANELBOARD'S FEEDER AND CONDUIT BACK TO SOURCE. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD.

KEY MAP B



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

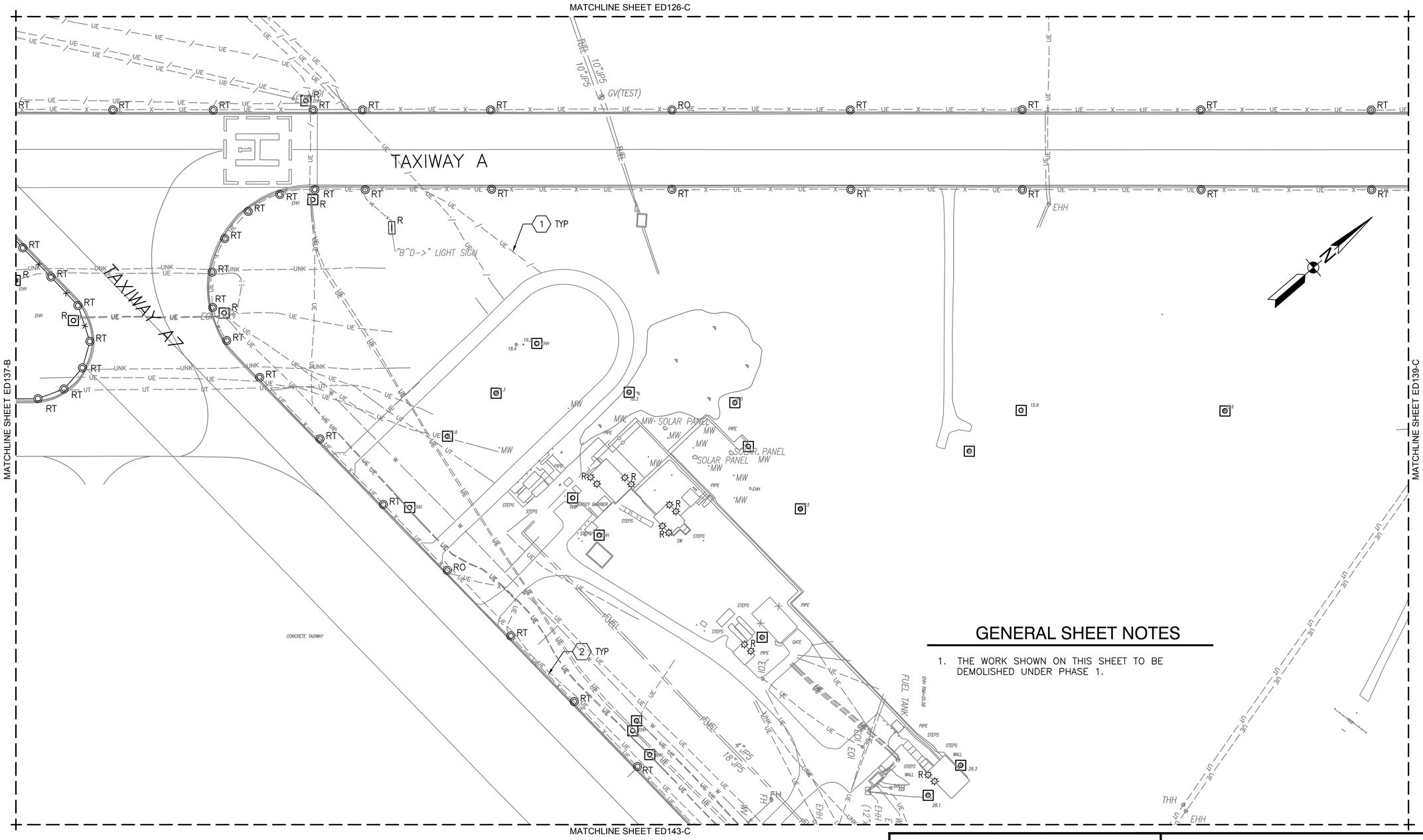
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DRW RRR CHK DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12691690
SHEET 157 OF 368
ED137-B

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\108863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED137-B.dwg LAYOUT NAME: ED137-B PLOTTED: Tuesday, March 24, 2015 - 12:42pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

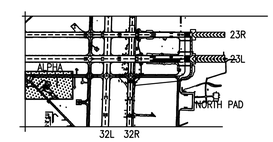
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP C



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES. JRB DRW. RRR CHK. DJP

PM/CM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR #T

NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA

NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA

ENERGY AND RELIABILITY

MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2

PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

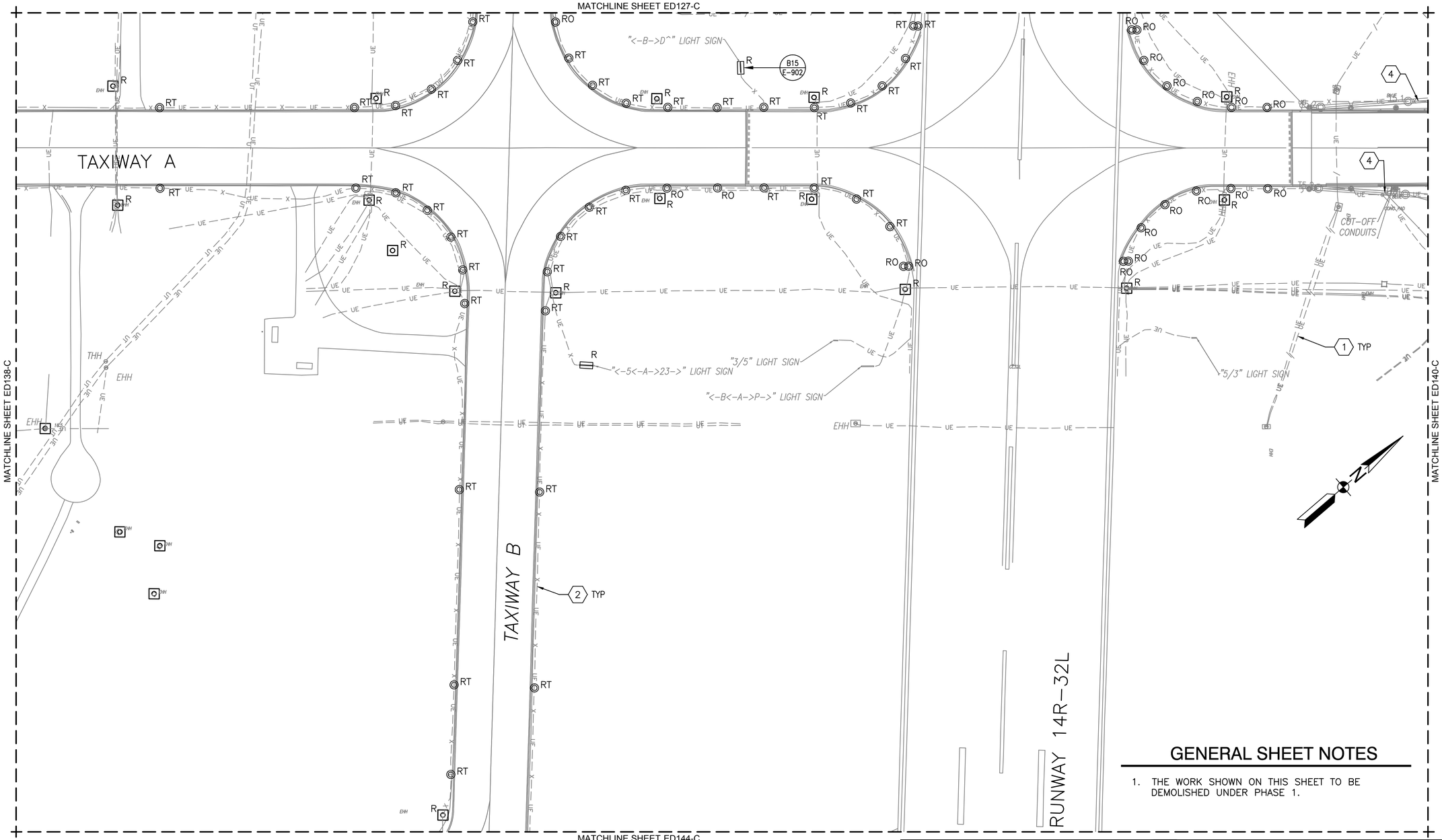
NAVFAC DRAWING NO. 12691691

SHEET 158 OF 368

ED138-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabilit\CADD\ELECTRICAL\10-0863-008-ED138-C.dwg LAYOUT NAME: ED-138C PLOTTED: Tuesday, March 24, 2015 - 12:42pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

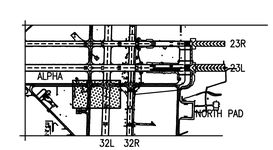
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.
4. REMOVE ALL AIRFIELD LIGHTING CABLE IN THIS AREA, CONDUIT SHALL REMAIN. CAP AND PROTECT CONDUIT FOR REUSE.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP C



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
CDR COMMANDER NAVFAC
DATE
SATISFACTION TO DATE

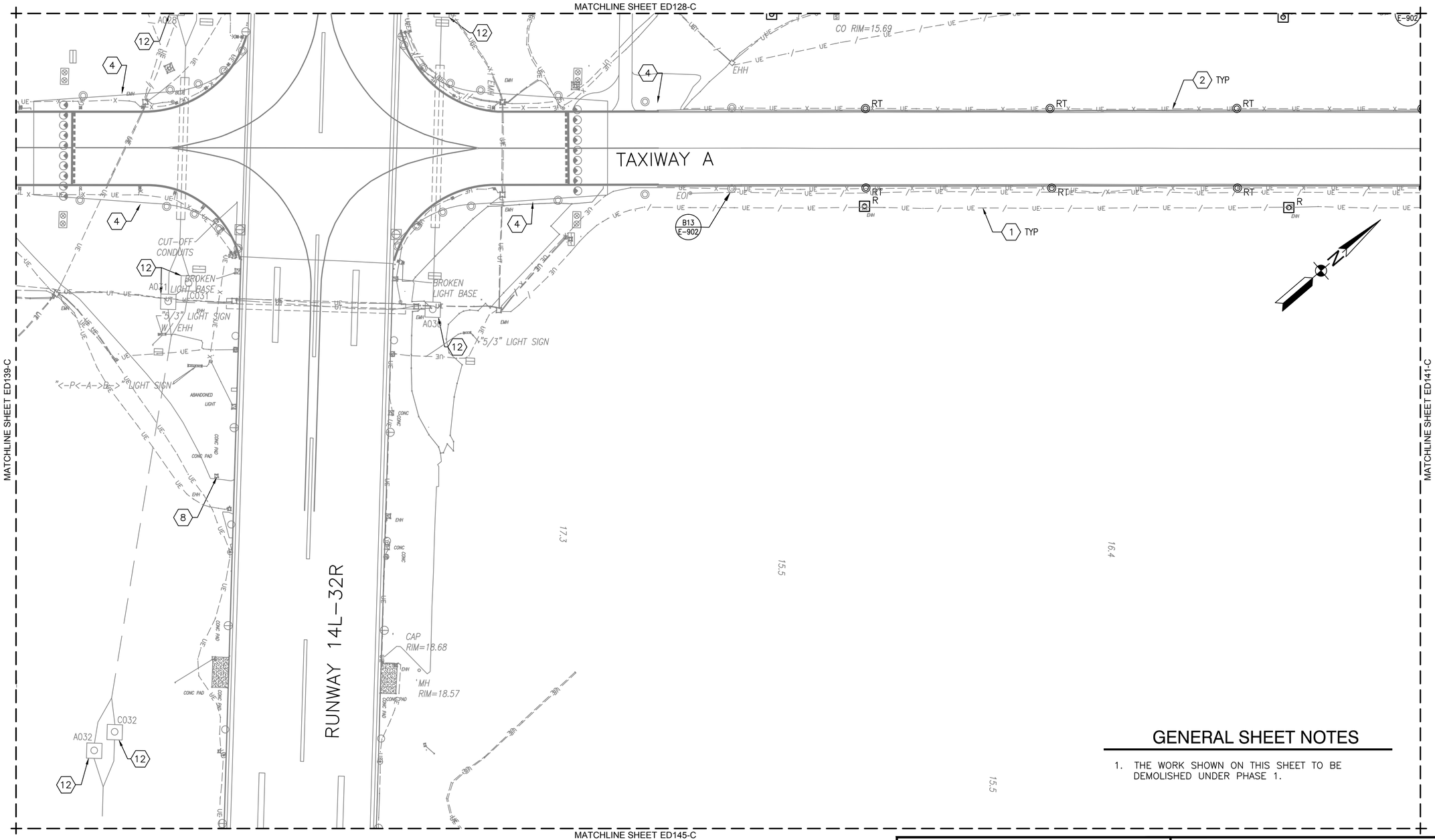
DES JRB DRN RRR CHK DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRIGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'–0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691692
SHEET 159 OF 368
ED139-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED139-C.dwg LAYOUT NAME: ED139-C PLOTTED: Tuesday, March 24, 2015 - 12:43pm USER: Rhunt



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(8) REMOVE CONCRETE SLAB AND ABANDONED ELECTRICAL CONDUIT AND CABLE.

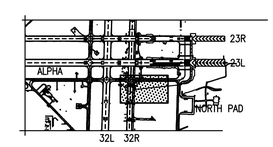
PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

(4) REMOVE ALL AIRFIELD LIGHTING CABLE IN THIS AREA, CONDUIT SHALL REMAIN. CAP AND PROTECT CONDUIT FOR REUSE.

(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

KEY MAP C



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRN RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

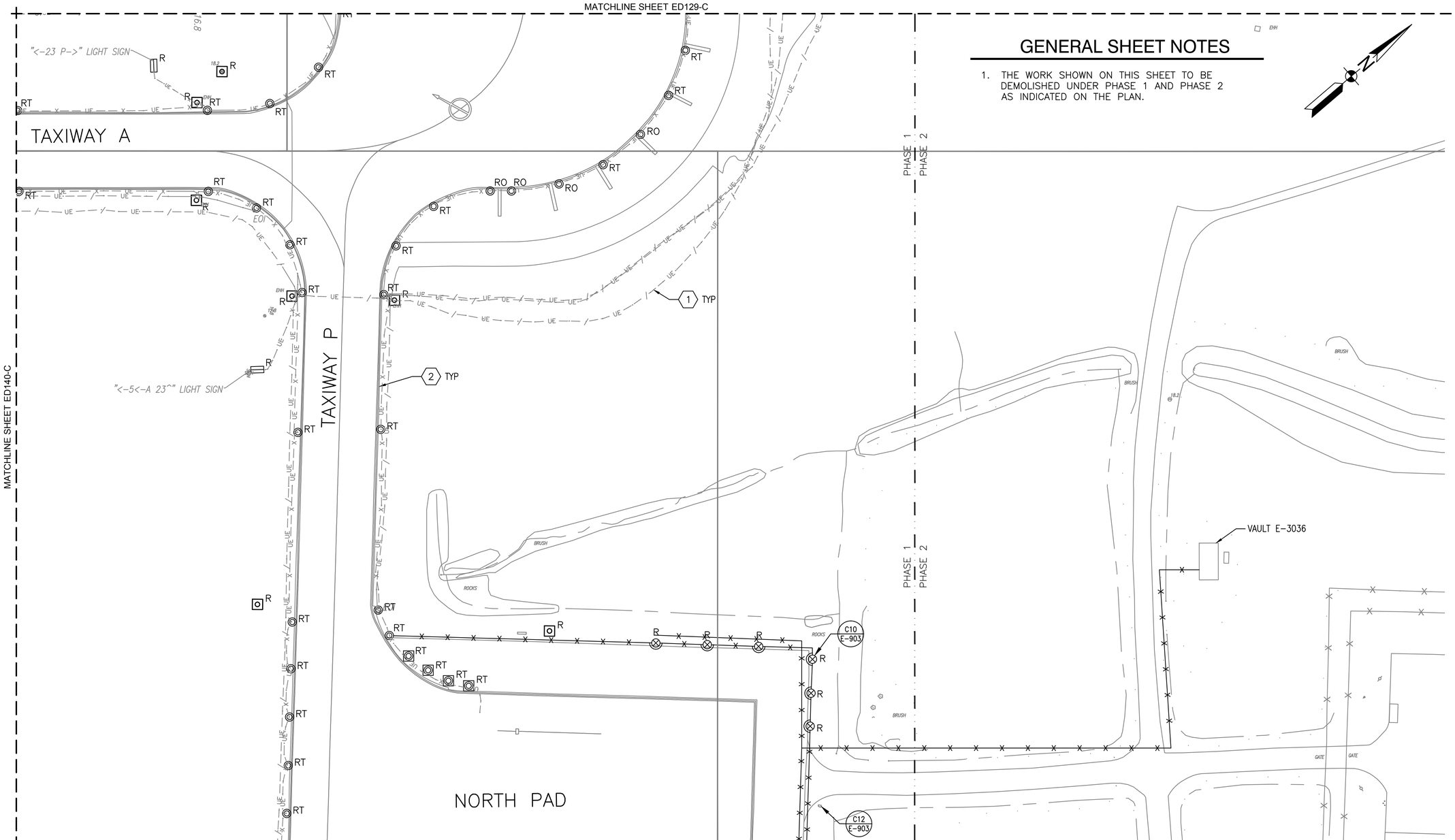
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR #T
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691693
SHEET 160 OF 368
ED140-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\SMD\109863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED140-C.dwg LAYOUT NAME: ED140-C PLOTTED: Tuesday, March 24, 2015 - 12:44pm USER: Rhurst

MATCHLINE SHEET ED129-C



MATCHLINE SHEET ED140-C

MATCHLINE SHEET ED146-C

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.

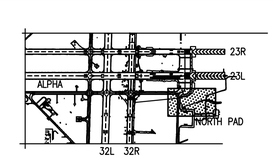
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP C



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED
FOR COMMANDER, NAVFAC
ACTIVITY
SATISFACTION TO DATE
DES JRB DRW RRR CHK DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

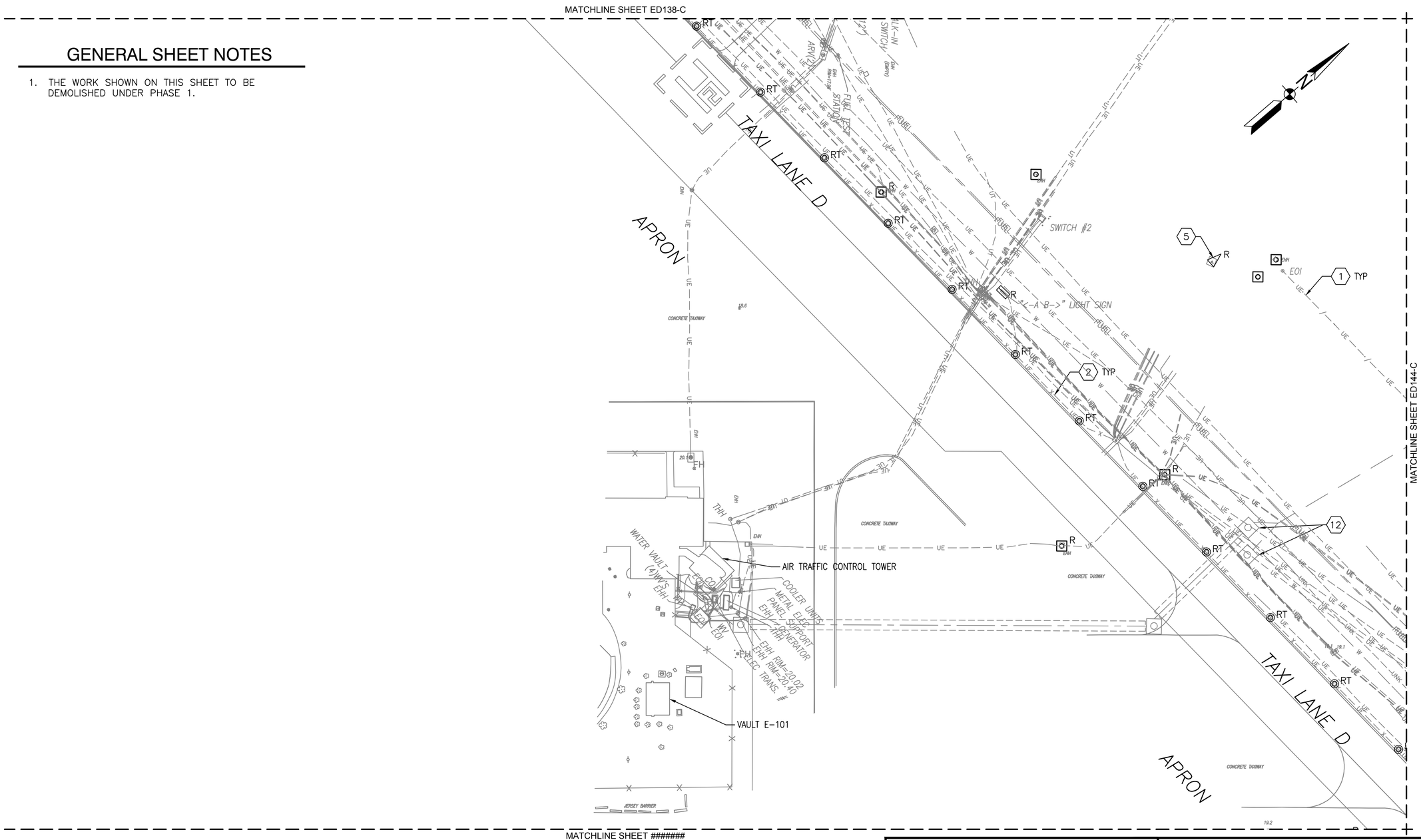
SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691694
SHEET 161 OF 368
ED141-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED141-C.dwg LAYOUT NAME: ED141-C PLOTTED: Tuesday, March 24, 2015 - 12:45pm USER: Rhurst

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.



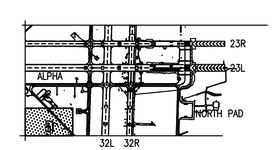
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.
5. REMOVE LIGHTED WIND CONE AND CIRCUITING,
12. EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP C



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED:
FOR COMMANDER NAVFAC
DATE:
SATISFACTORY TO: DATE:

DES	DRN	CHK
JRB	RRR	DJP

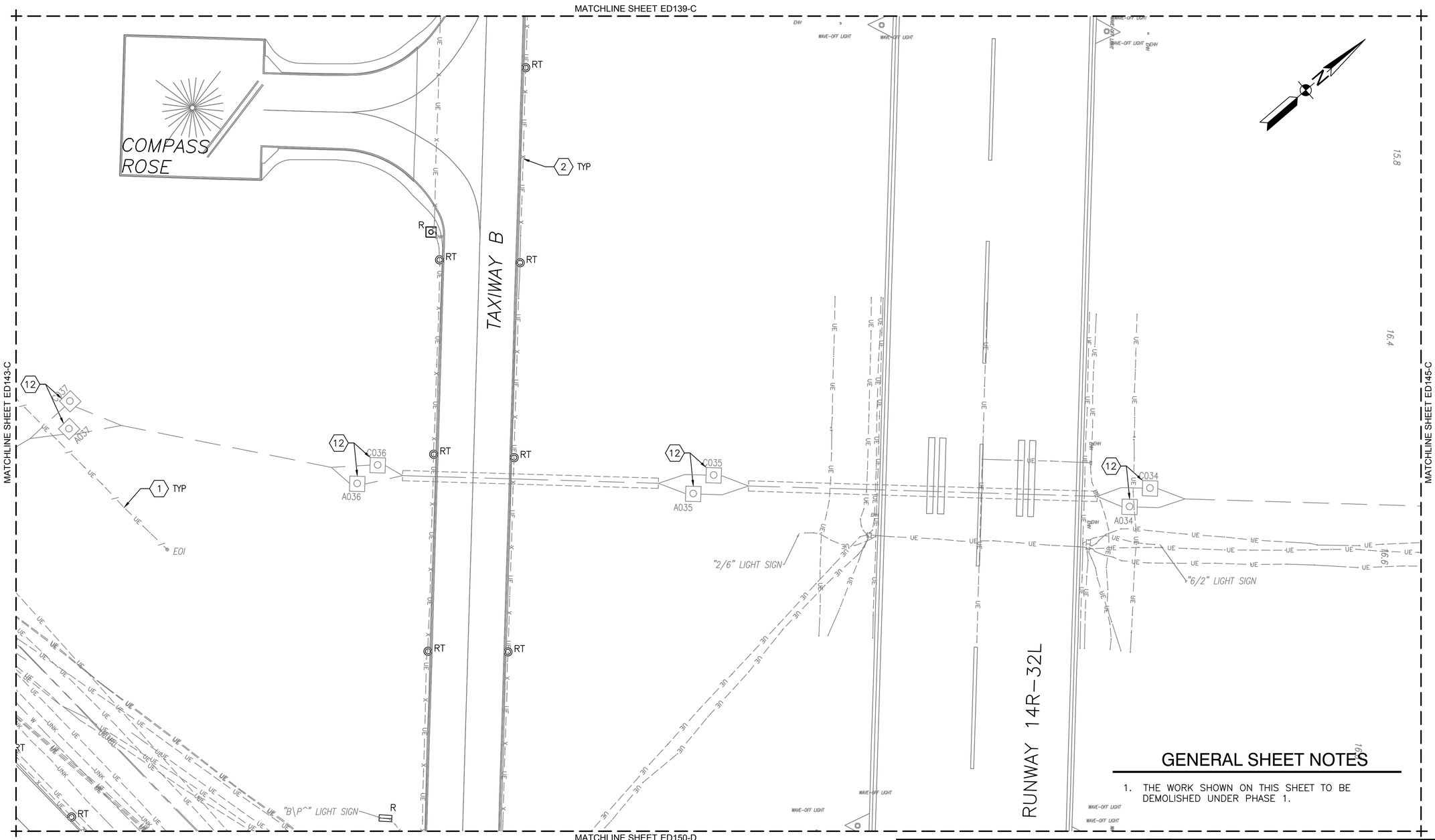
A/E/CM:
BRANCH MANAGER: WED
CHIEF ENG/ARCH:

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"
A/E PROJECT NO.: 1291651
CONSTR. CONTR. NO.:
NAVFAC DRAWING NO.: 12691695
SHEET 162 OF 368
ED143-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED143-C.dwg LAYOUT NAME: ED143-C PLOTTED: Tuesday, March 24, 2015 - 12:46pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

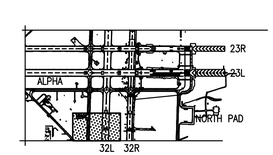
(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP C



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM.	DESCRIPTION	DATE	APPR.

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

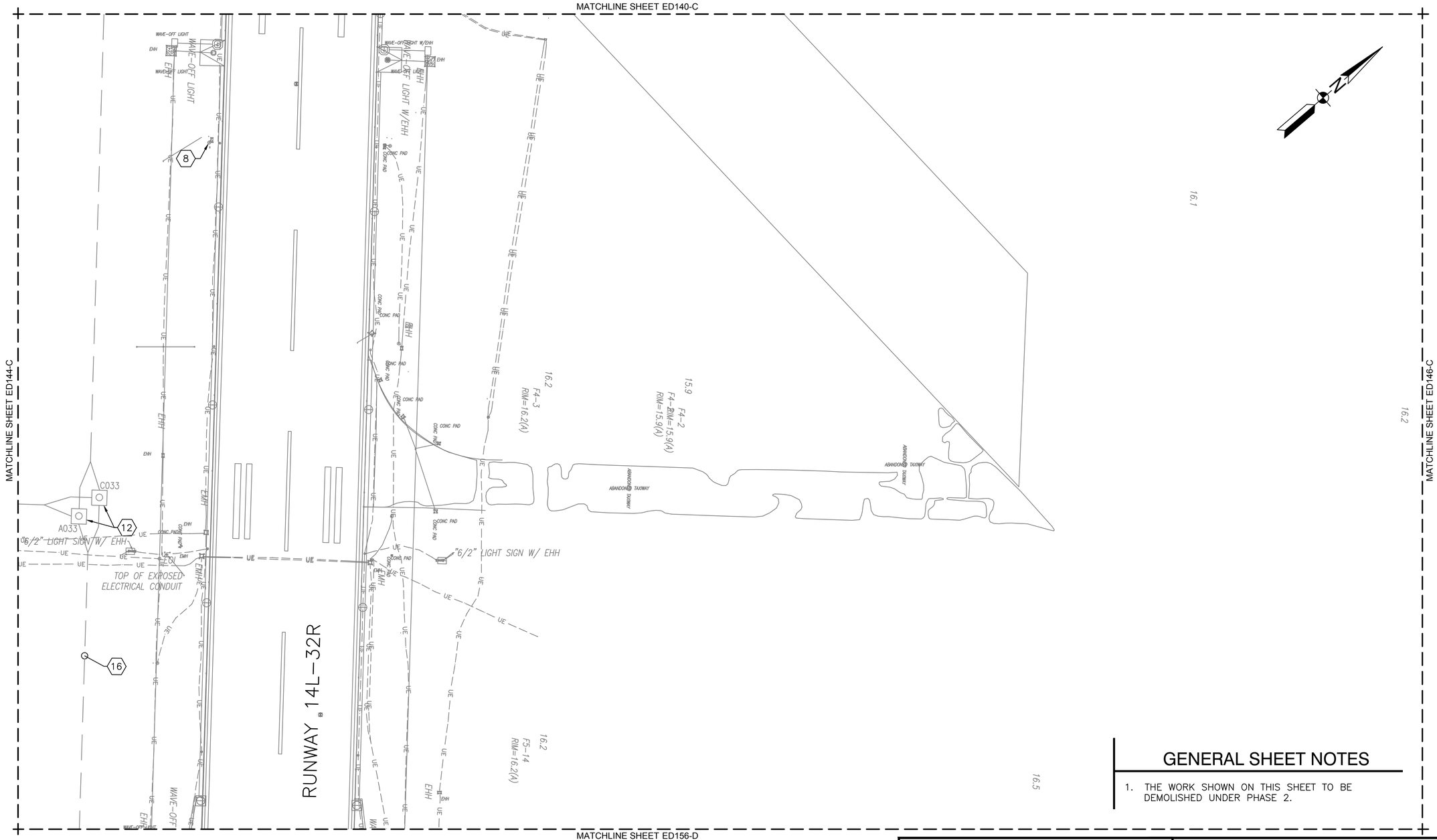
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES. JRB DRN. RRR CHK. DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691696
SHEET 163 OF 368
ED144-C

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabi\CADD\ELECTRICAL\10-0863-008-ED144-C.dwg LAYOUT NAME: ED144-C PLOTTED: Tuesday, March 24, 2015 - 12:47pm USER: Rhuntl



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.

DEMOLITION KEYNOTES

(8) REMOVE CONCRETE SLAB AND ABANDONED ELECTRICAL CONDUIT AND CABLE.

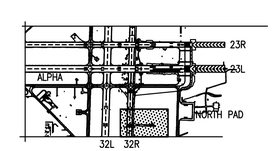
(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

(16) REMOVE CABLE FOR TAXIWAY CIRCUITS T3.1 AND T3.2 FROM HH A046 BACK TO SOURCE IN ELECTRICAL VAULT E-145 UNDER PHASE 2.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP C



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

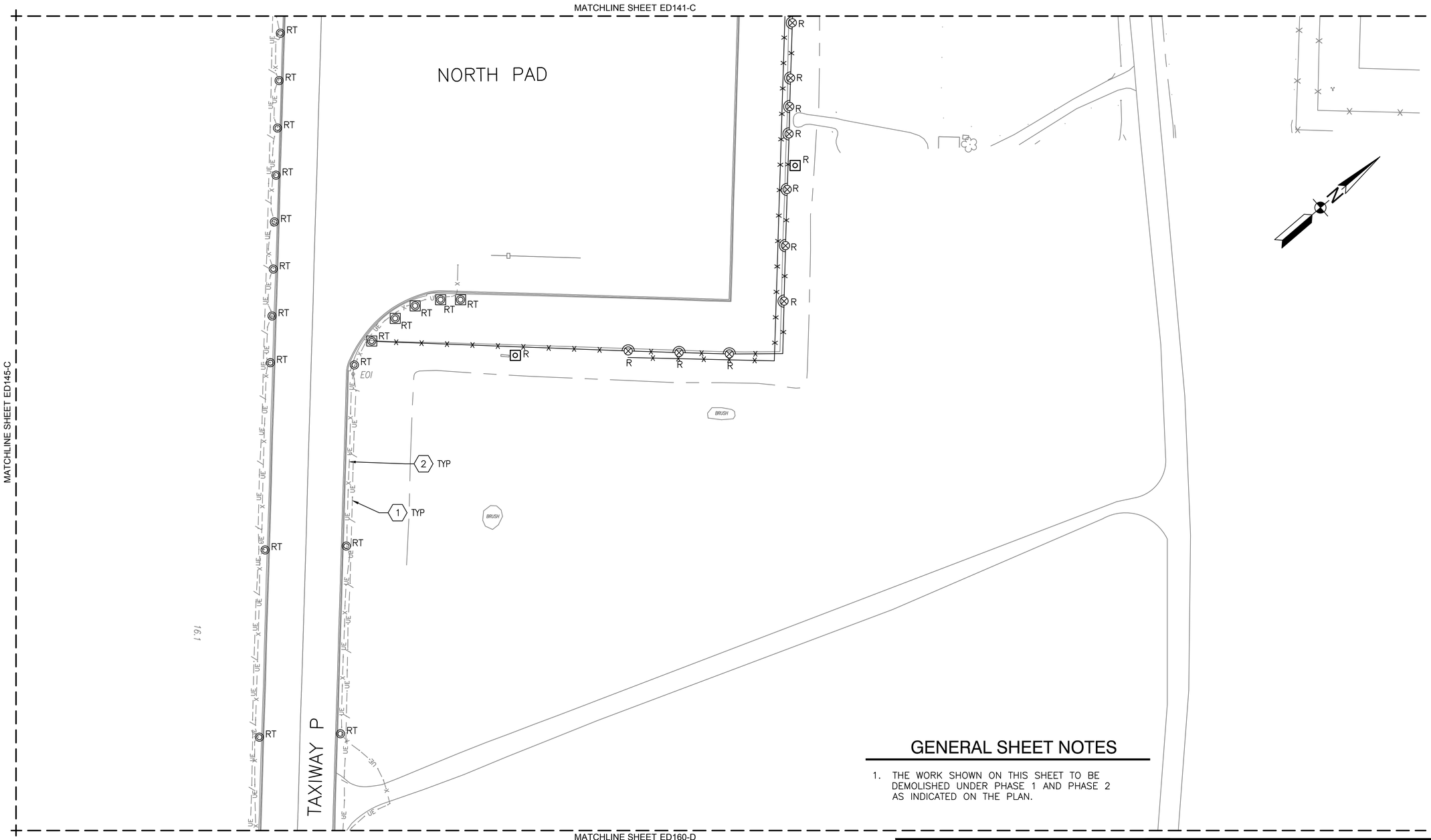
David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO
APPROVED:
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DRW RRR CHK DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12691697
SHEET 164 OF 368
ED145-C
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED145-C.dwg LAYOUT NAME: ED145-C PLOTTED: Tuesday, March 24, 2015 - 12:48pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.

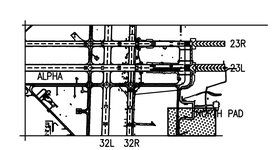
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP C



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES: JRB DRN: RRR CHK: DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
HR IPT
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"

PROJECT NO.: 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
12691698

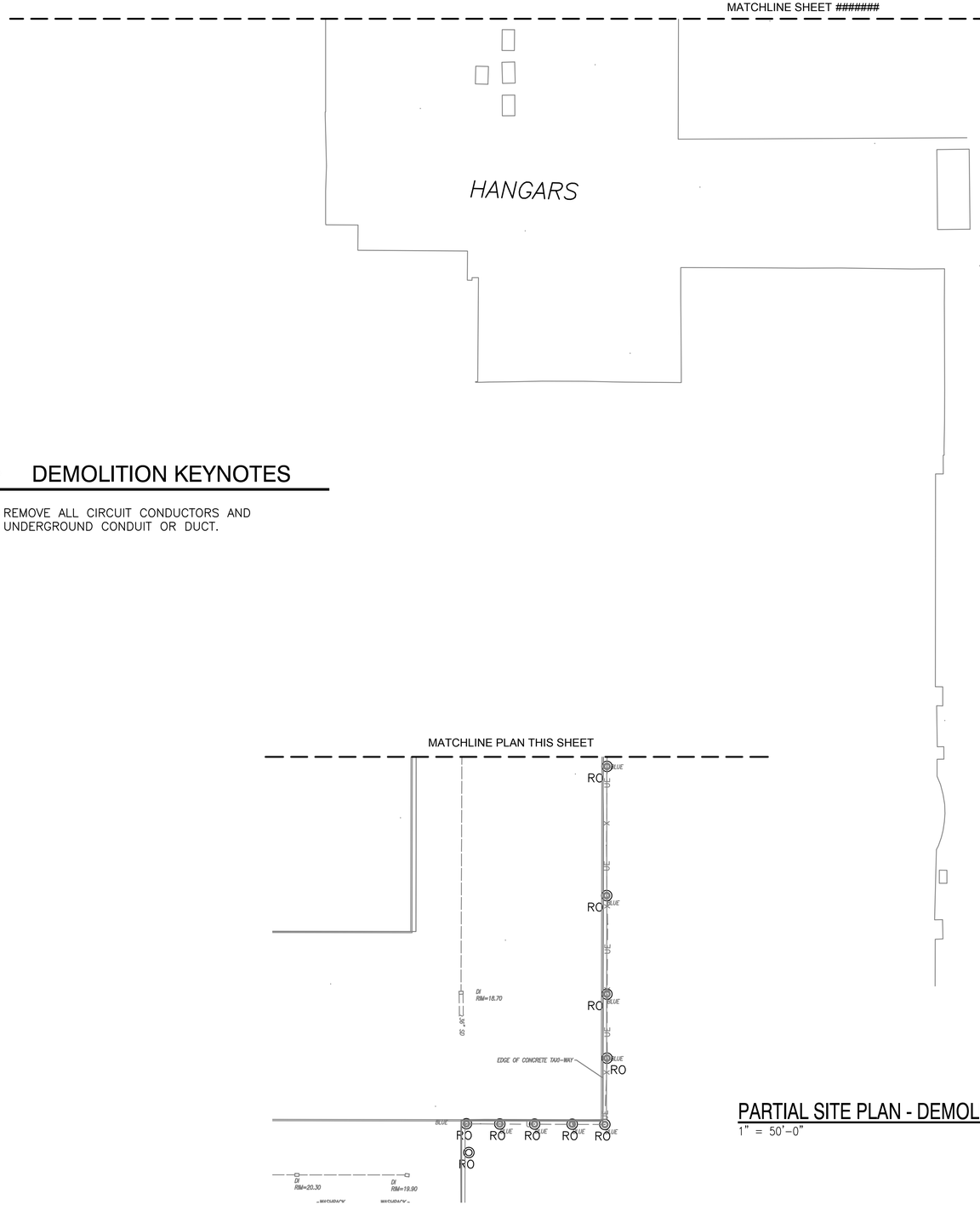
SHEET 165 OF 368

ED146-C

DRAWFORM REVISION: 10 MARCH 2009

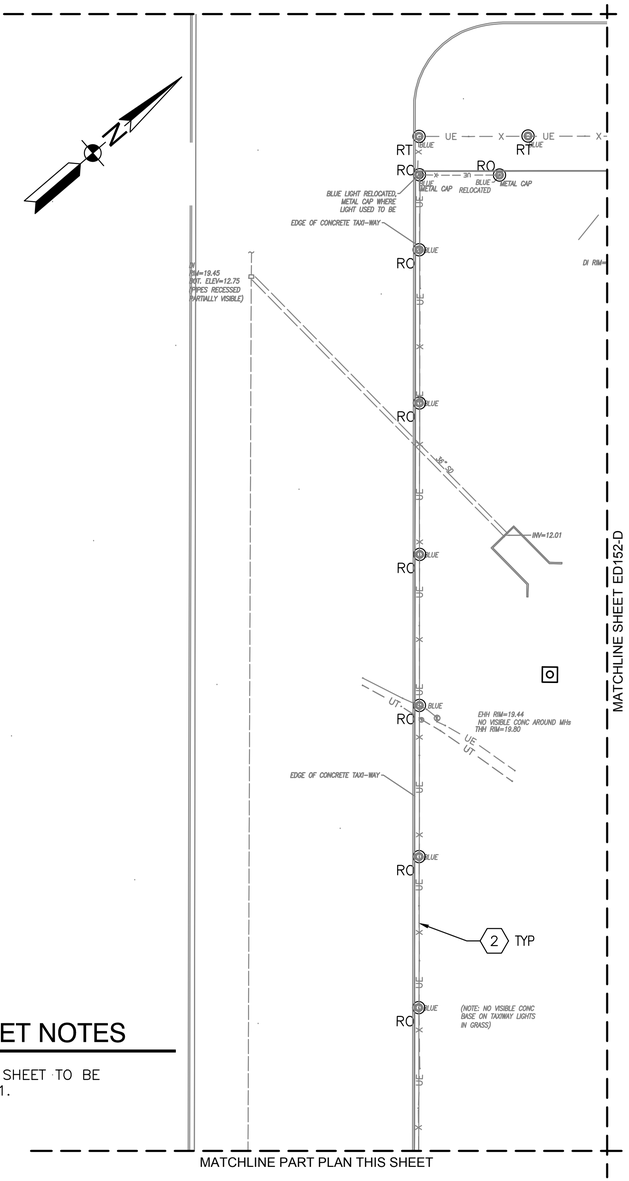
FILE NAME: Q:\SMO\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED146-C.dwg LAYOUT NAME: ED146-C PLOTTED: Tuesday, March 24, 2015 - 12:48pm USER: Rhurst

MATCHLINE SHEET #######



DEMOLITION KEYNOTES

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.



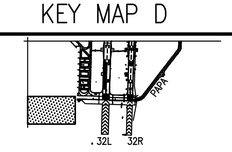
GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP D



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

CDR COMMANDER NAVFAC

ACTIVITY

SATISFACTION TO: DATE

DES JRB DRN RRR CHK DJP

PM/EM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"

PROJECT NO.: 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
12691699

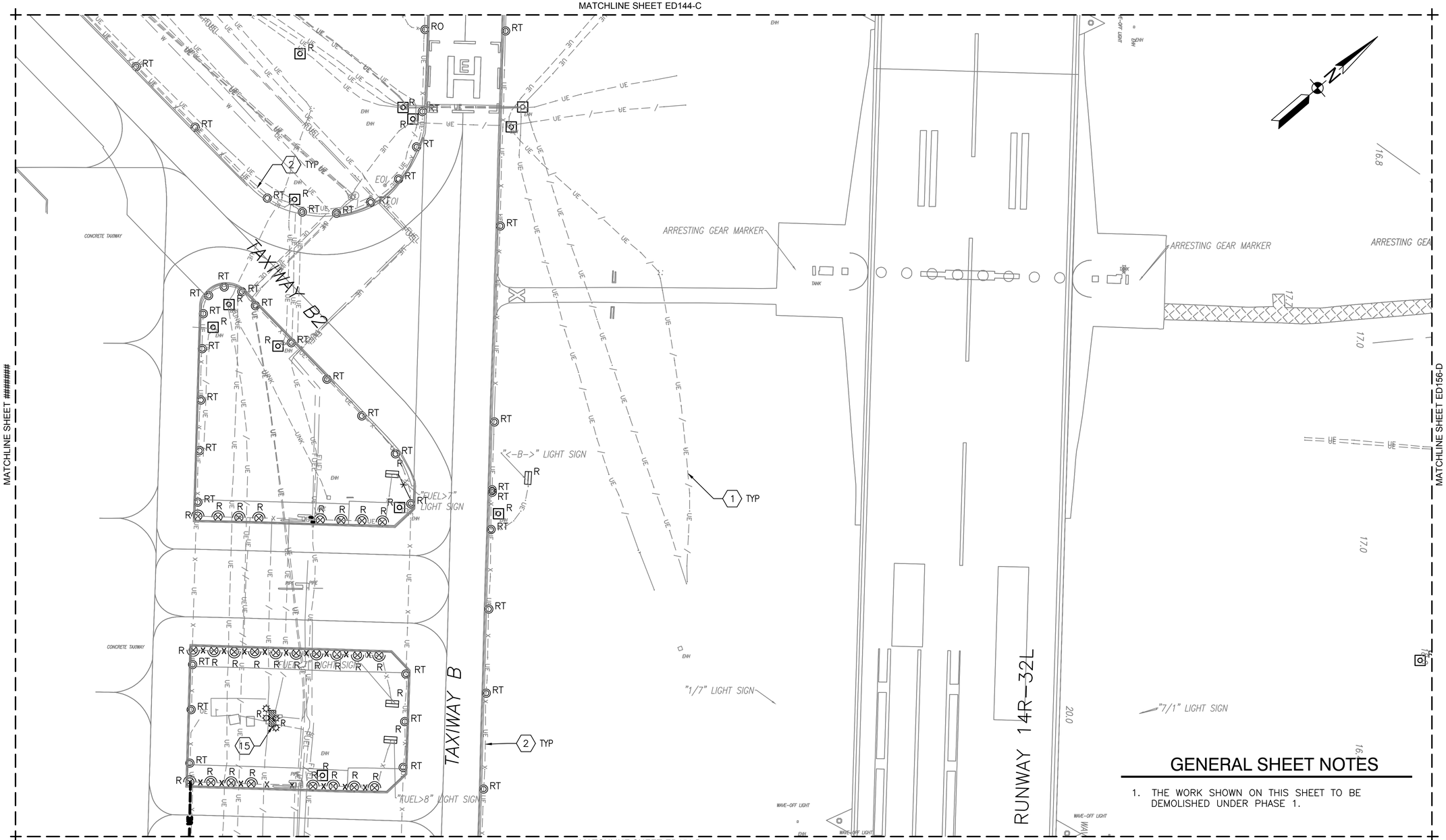
SHEET 166 OF 368

ED149-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED149-D.dwg LAYOUT NAME: ED149-D PLOTTED: Tuesday, March 24, 2015 - 12:49pm USER: Rhunt

MATCHLINE SHEET ED144-C



MATCHLINE SHEET ED151-D

MATCHLINE SHEET #####

MATCHLINE SHEET ED156-D

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

DEMOLITION KEYNOTES

(1) REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.

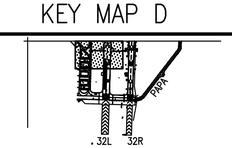
(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(15) DISCONNECT AND REMOVE EXISTING PANELBOARD. MAINTAIN PANELBOARD'S FEEDER AND CONDUIT RE–FEED NEW PANELBOARD. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP D



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

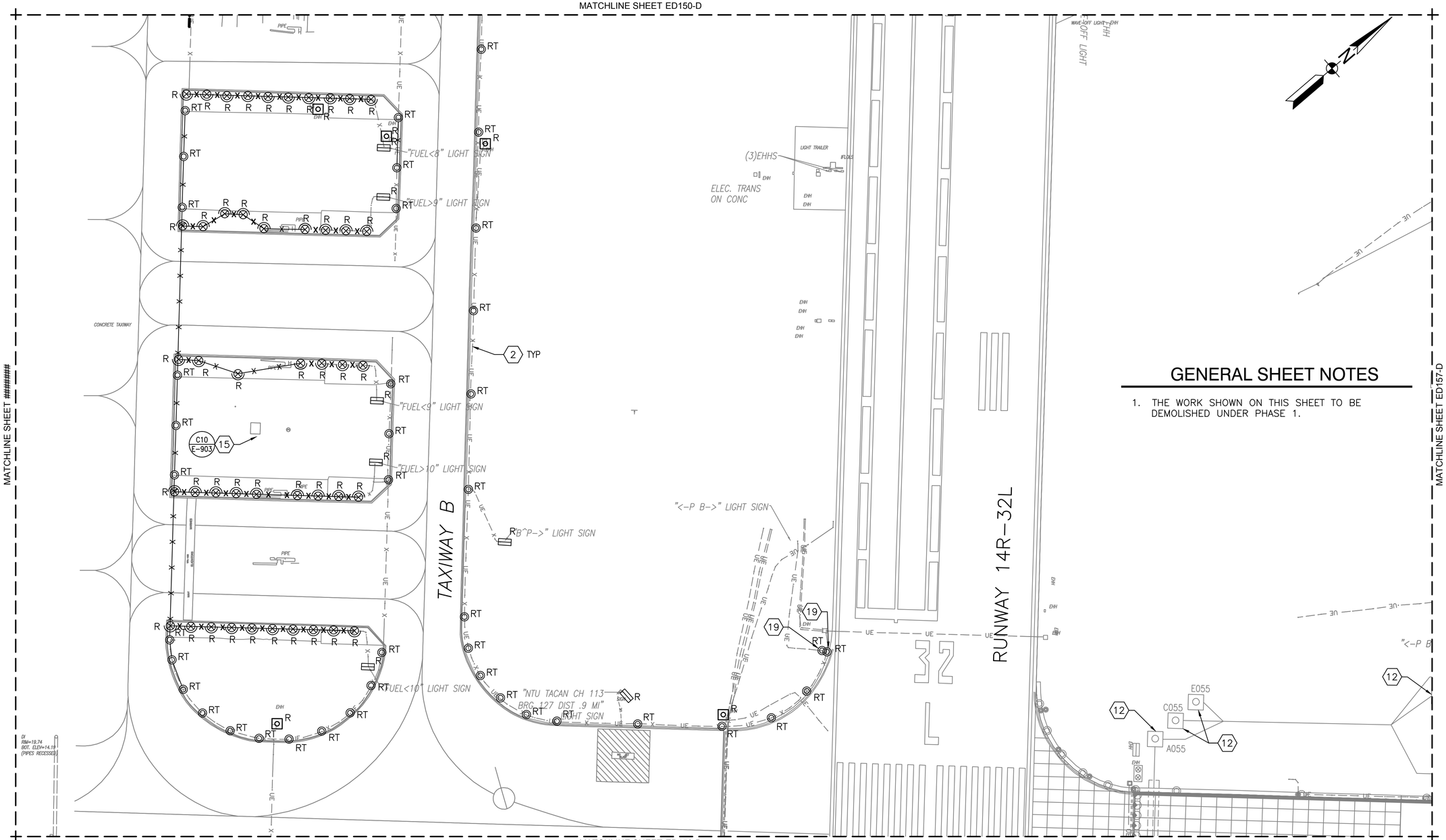
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES. JRB DRW. RRR CHK. DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'–0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12691700
SHEET 167 OF 368
ED150-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED150-D.dwg LAYOUT NAME: ED150-D PLOTTED: Tuesday, March 24, 2015 - 12:50pm USER: Rhurst



DEMOLITION KEYNOTES

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

(15) DISCONNECT AND REMOVE EXISTING PANELBOARD. MAINTAIN PANELBOARD'S FEEDER AND CONDUIT RE-FEED NEW PANELBOARD. IF ANY MAINTAIN EXISTING TO REMAIN BRANCH CIRCUITS FOR RECONNECTION TO NEW PANELBOARD.

(19) RUNWAY EXIT/ENTRANCE LIGHTS, TWO ELEVATED BLUE TAXIWAY LIGHTS SPACED 5 FEET APART.

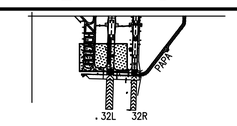
PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

KEY MAP D



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

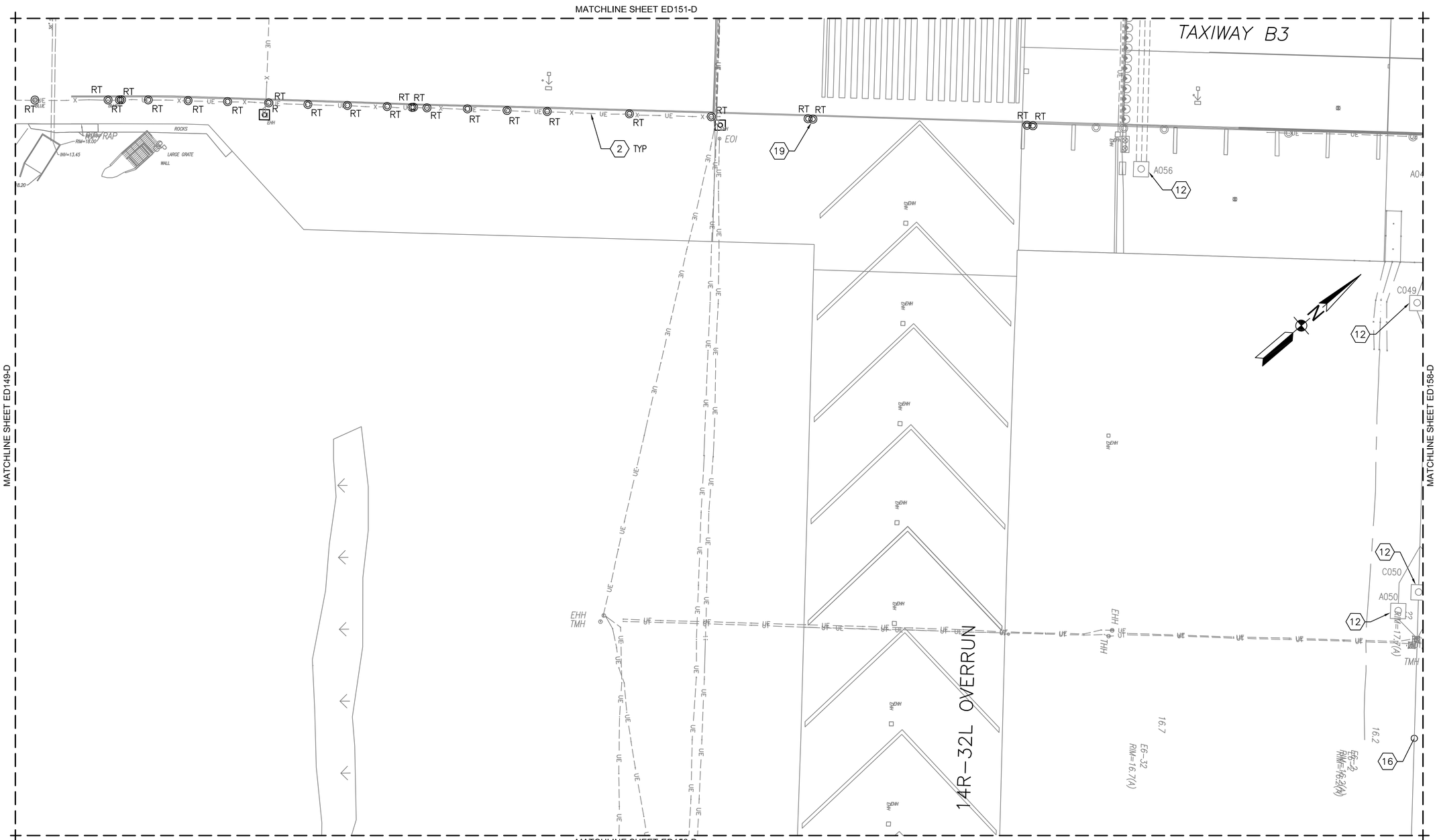
A/E INFO
APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JRB DRW RRR CHK DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"
F/PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12691756
SHEET 223 OF 368
ED151-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMQ\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED151-D.dwg LAYOUT NAME: ED151-D PLOTTED: Tuesday, March 24, 2015 - 3:48pm USER: Rhurst



DEMOLITION KEYNOTES

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

(16) REMOVE CABLE FOR TAXIWAY CIRCUITS T3.1 AND T3.2 FROM HH A046 BACK TO SOURCE IN ELECTRICAL VAULT E–145 UNDER PHASE 2.

(19) RUNWAY EXIT/ENTRANCE LIGHTS, TWO ELEVATED BLUE TAXIWAY LIGHTS SPACED 5 FEET APART.

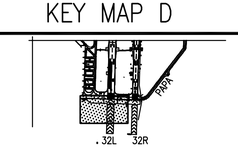
PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.

KEY MAP D



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

APPR	DATE	DESCRIPTION	SYM

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRW RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT

NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA

NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA

ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2

PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'–0"

EPROJECT NO.: 1291651

CONSTR. CONTR. NO.

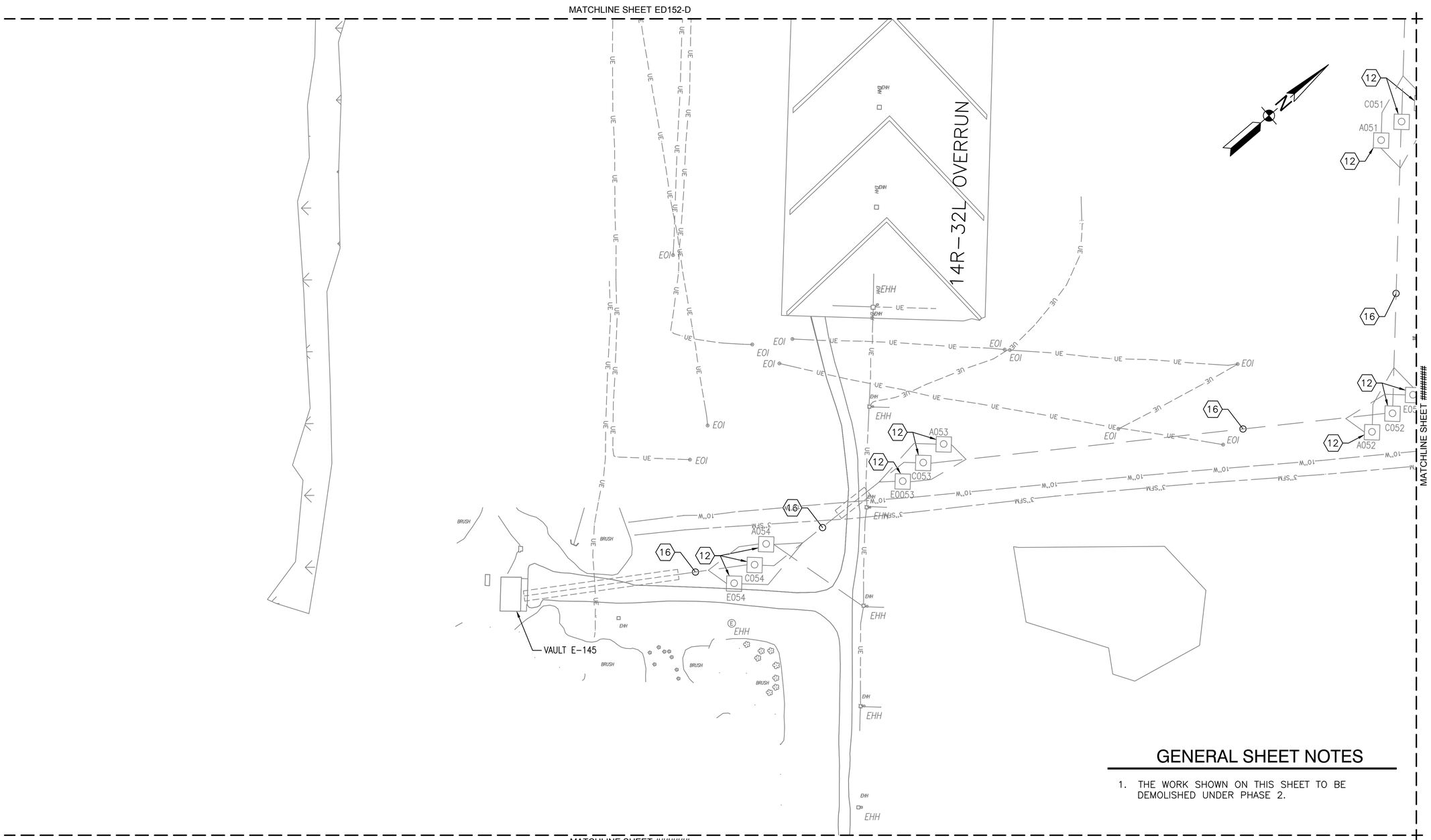
NAVFAC DRAWING NO.
12691757

SHEET 224 OF 368

ED152-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabil\CADD\ELECTRICAL\10-0863-008-ED152-D.dwg LAYOUT NAME: ED152-D PLOTTED: Tuesday, March 24, 2015 – 3:42pm USER: RRRZUTO



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.

DEMOLITION KEYNOTES

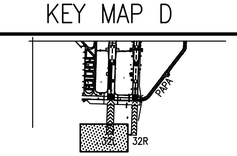
(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

(16) REMOVE CABLE FOR TAXIWAY CIRCUITS T3.1 AND T3.2 FROM HH A046 BACK TO SOURCE IN ELECTRICAL VAULT E–145 UNDER PHASE 2.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP D



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRW RRR CHK DJP

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'–0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 12691758

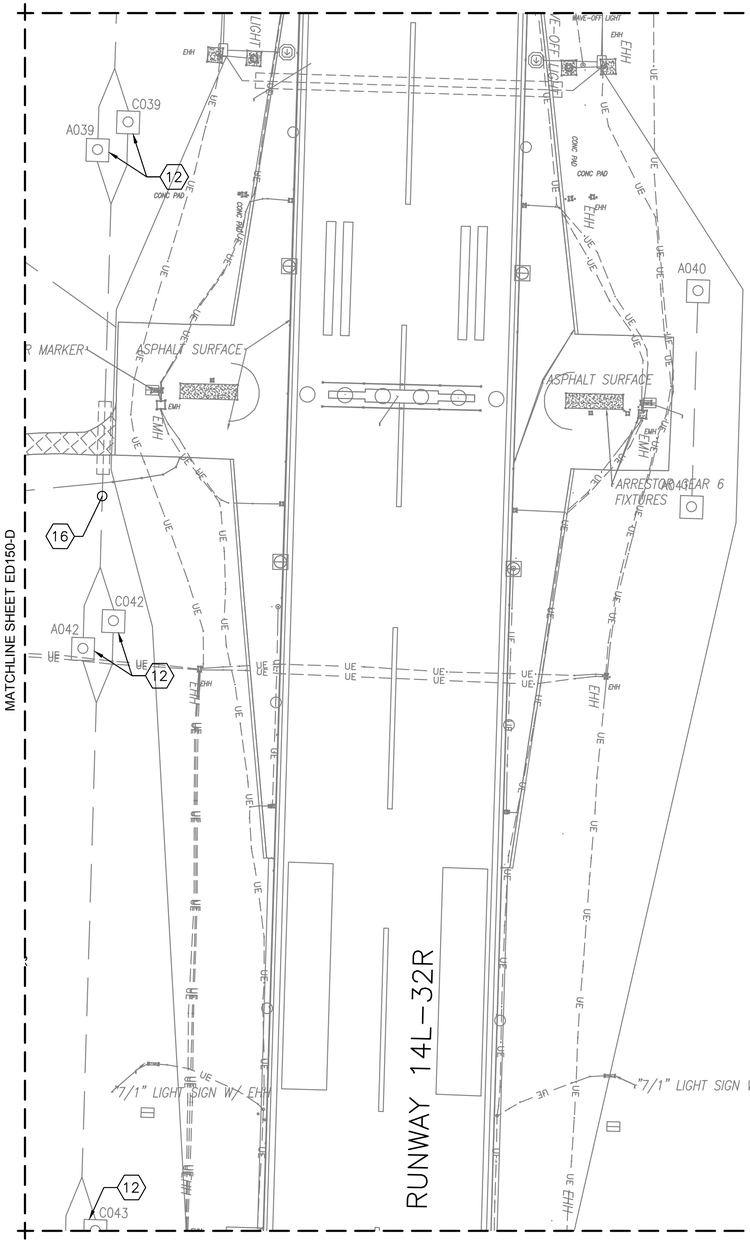
SHEET 225 OF 368

ED153-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED153-D.dwg LAYOUT NAME: ED153-D PLOTTED: Tuesday, March 24, 2015 - 12:53pm USER: Rhurst

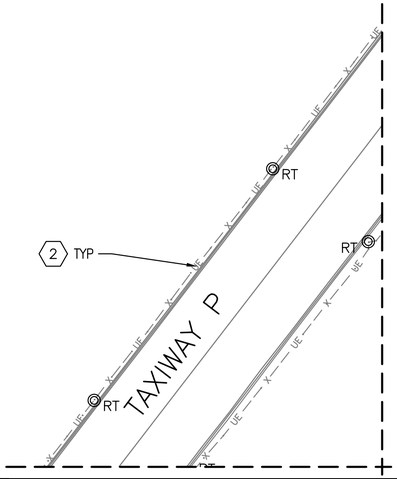
MATCHLINE SHEET ED145-C



MATCHLINE SHEET ED150-D

MATCHLINE SHEET ED160-D

MATCHLINE SHEET ED157-D



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.

DEMOLITION KEYNOTES

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

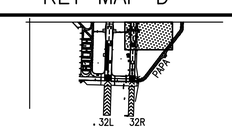
(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

(16) REMOVE CABLE FOR TAXIWAY CIRCUITS T3.1 AND T3.2 FROM HH A046 BACK TO SOURCE IN ELECTRICAL VAULT E-145 UNDER PHASE 2.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP D



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRN RRR CHK DJP

PM/DM

BRANCH MANAGER WED

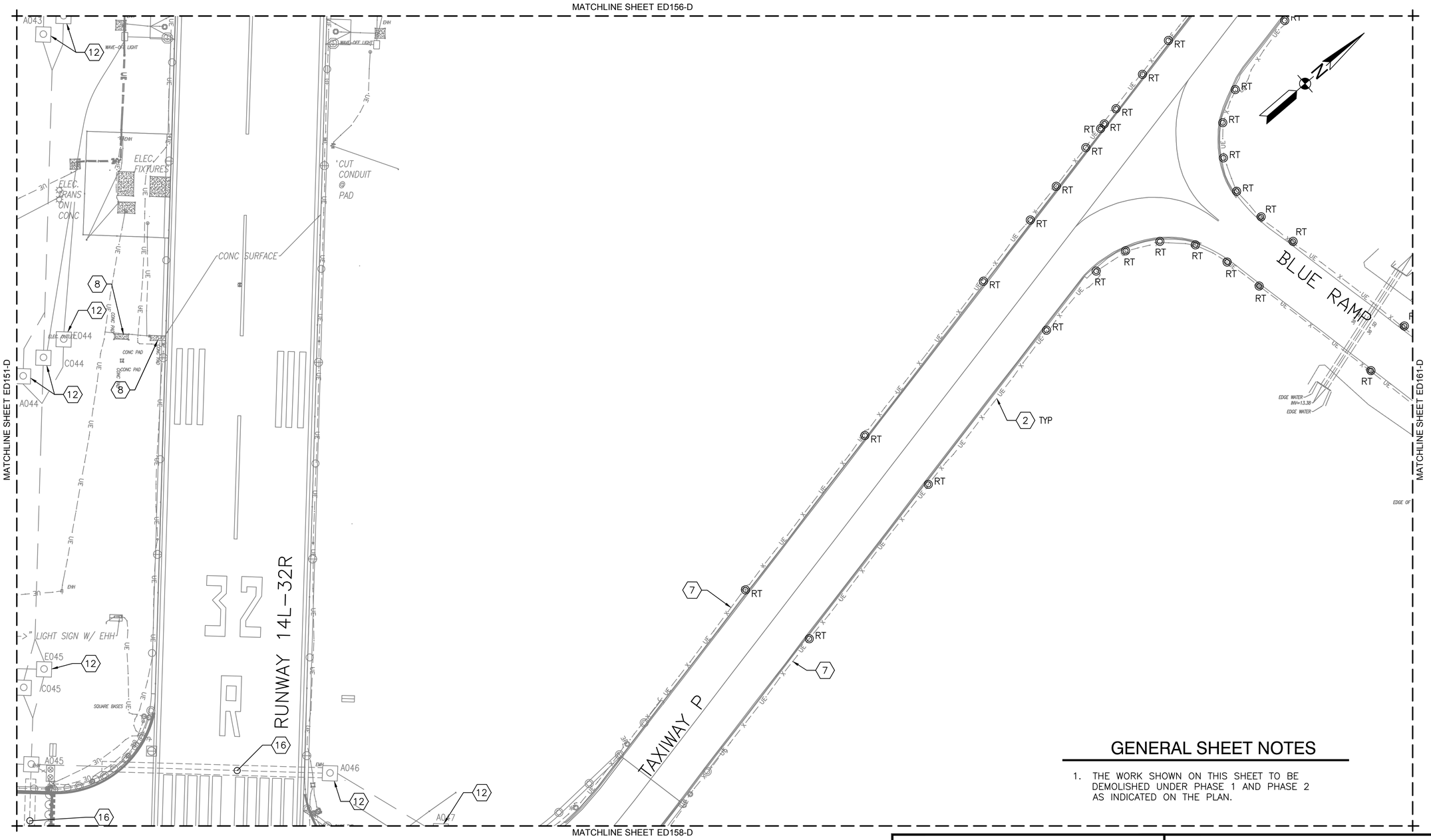
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR #PT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691759
SHEET 226 OF 368
ED156-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: G:\SMD\100963_008_Energy_and_Reliabi\CADD\ELECTRICAL\10-0963-008-ED156-D.dwg LAYOUT NAME: ED156-D PLOTTED: Tuesday, March 24, 2015 - 1:25:4pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1 AND PHASE 2 AS INDICATED ON THE PLAN.

DEMOLITION KEYNOTES

(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(7) REMOVE ALL CIRCUIT CONDUCTORS BACK TO NEXT EXISTING TO REMAIN LIGHT.

(8) REMOVE CONCRETE SLAB AND ABANDONED ELECTRICAL CONDUIT AND CABLE.

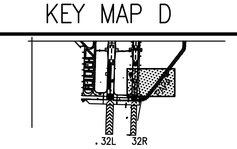
(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

(16) REMOVE CABLE FOR TAXIWAY CIRCUITS T3.1 AND T3.2 FROM HH A046 BACK TO SOURCE IN ELECTRICAL VAULT E-145 UNDER PHASE 2.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP D



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley
COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

LEAD JRB DRW RRR CHK DJP

PM/DM

BRANCH MANAGER WED

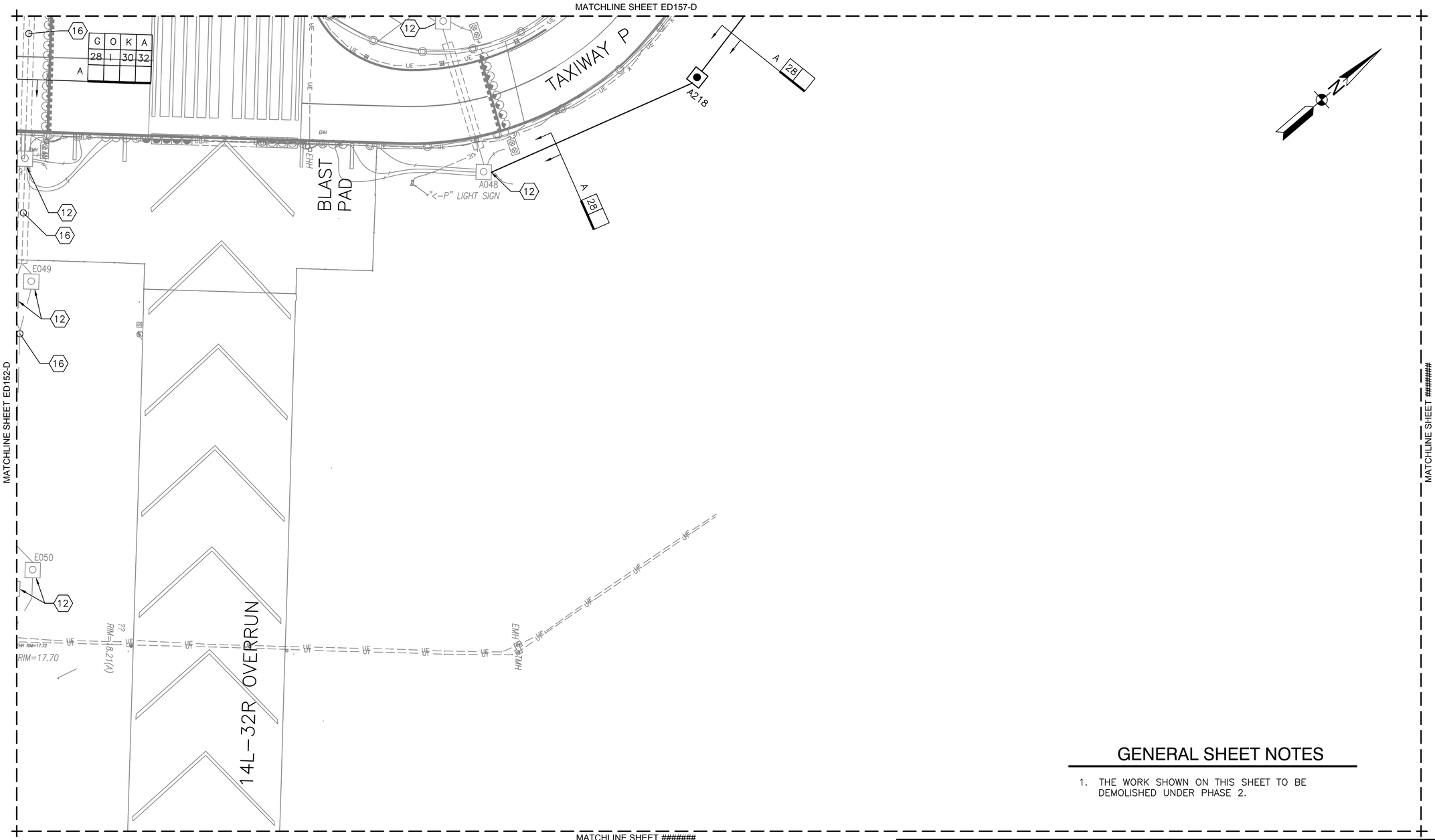
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA ~ VIRGINIA BEACH, VIRGINIA
HR #7
NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN - DEMOLITION

SCALE 1" = 50'-0"
PROJECT NO. 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12691760
SHEET 227 OF 368
ED157-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED157-D.dwg LAYOUT NAME: ED157-D PLOTTED: Tuesday, March 24, 2015 - 3:43pm USER: Rhurst



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 2.

DEMOLITION KEYNOTES

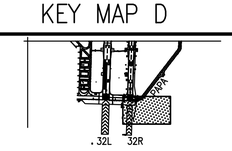
(12) EQUIPMENT SHOWN AS EXISTING, MAY BE INSTALLED CONCURRENT WITH THIS PROJECT.

(16) REMOVE CABLE FOR TAXIWAY CIRCUITS T3.1 AND T3.2 FROM HH A046 BACK TO SOURCE IN ELECTRICAL VAULT E–145 UNDER PHASE 2.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'–0"

KEY MAP D



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

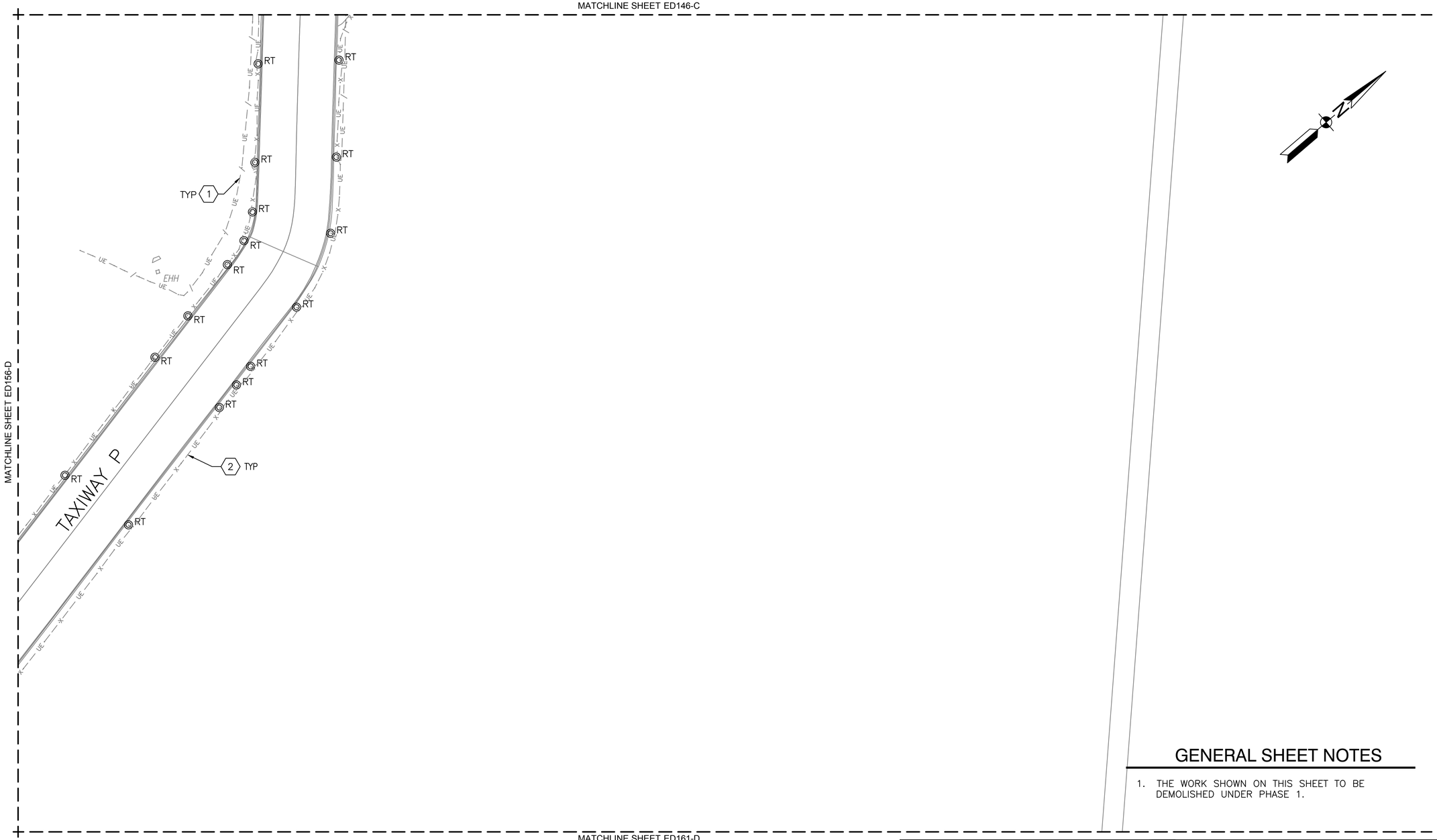
A/E INFO
APPROVED
CDR COMMANDER NAVFAC
ACTIVITY
CERTIFICATION: BY: DATE:
DES. JRB DRN. RRR CHK. DJP
PM/CM
BRANCH MANAGER WED
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
HR IPT
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'–0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.:
NAVFAC DRAWING NO.: 12691761
SHEET 228 OF 368
ED158-D
DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100963_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED158-D.dwg LAYOUT NAME: ED158-D PLOTTED: Tuesday, March 24, 2015 – 12:55pm USER: Rhunt

MATCHLINE SHEET ED146-C



MATCHLINE SHEET ED161-D

GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

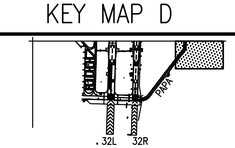
DEMOLITION KEYNOTES

1. REMOVE ALL CIRCUIT CONDUCTORS NO LONGER IN SERVICE FROM UNDERGROUND CONDUIT AND ABANDON CONDUIT IN PLACE.
2. REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP D



GRAPHIC SCALE

1"=50'

0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED:
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES: JRB DRN: RRR CHK: DJP
PM/DM
BRANCH MANAGER WED
CHIEF ENG/ARCH

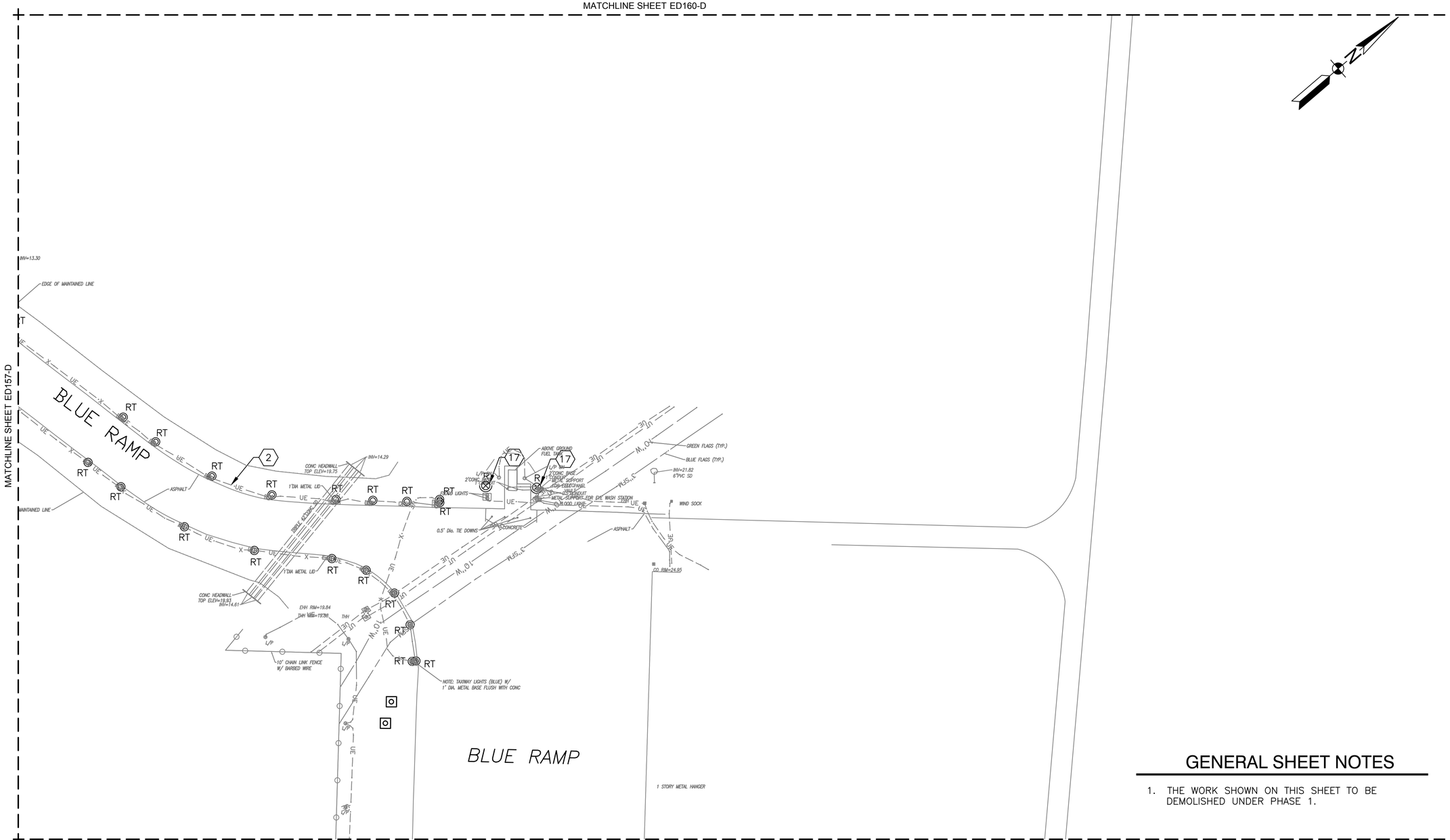
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRIGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
PARTIAL SITE PLAN – DEMOLITION

SCALE: 1" = 50'-0"
PROJECT NO.: 1291651
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.
12691762
SHEET 229 OF 368
ED160-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMO\100863_008_Energy_and_Reliab\CADD\ELECTRICAL\10-0863-008-ED160-D.dwg LAYOUT NAME: ED160-D PLOTTED: Tuesday, March 24, 2015 - 12:56pm USER: Rhunt

MATCHLINE SHEET ED160-D



GENERAL SHEET NOTES

1. THE WORK SHOWN ON THIS SHEET TO BE DEMOLISHED UNDER PHASE 1.

DEMOLITION KEYNOTES

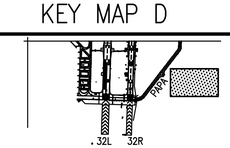
(2) REMOVE ALL CIRCUIT CONDUCTORS AND UNDERGROUND CONDUIT OR DUCT.

(17) DISCONNECT AND REMOVE EXISTING FLOODLIGHT FIXTURE. LIGHT BASE CAN AND CIRCUIT CONDUCTORS TO BE RE-USED.

PARTIAL SITE PLAN - DEMOLITION

1" = 50'-0"

KEY MAP D



GRAPHIC SCALE

1"=50' 0 50' 100' 200'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

David Parsley

COMMONWEALTH OF VIRGINIA
DAVID JONATHAN PARSLEY
Lic. No. 45530
PROFESSIONAL ENGINEER

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JRB DRW RRR CHK DJP

PM/TM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NR #T

NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA

ENERGY AND RELIABILITY

MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2

PARTIAL SITE PLAN – DEMOLITION

SCALE 1" = 50'-0"

PROJECT NO. 1291651

CONSTR. CONTR. NO.

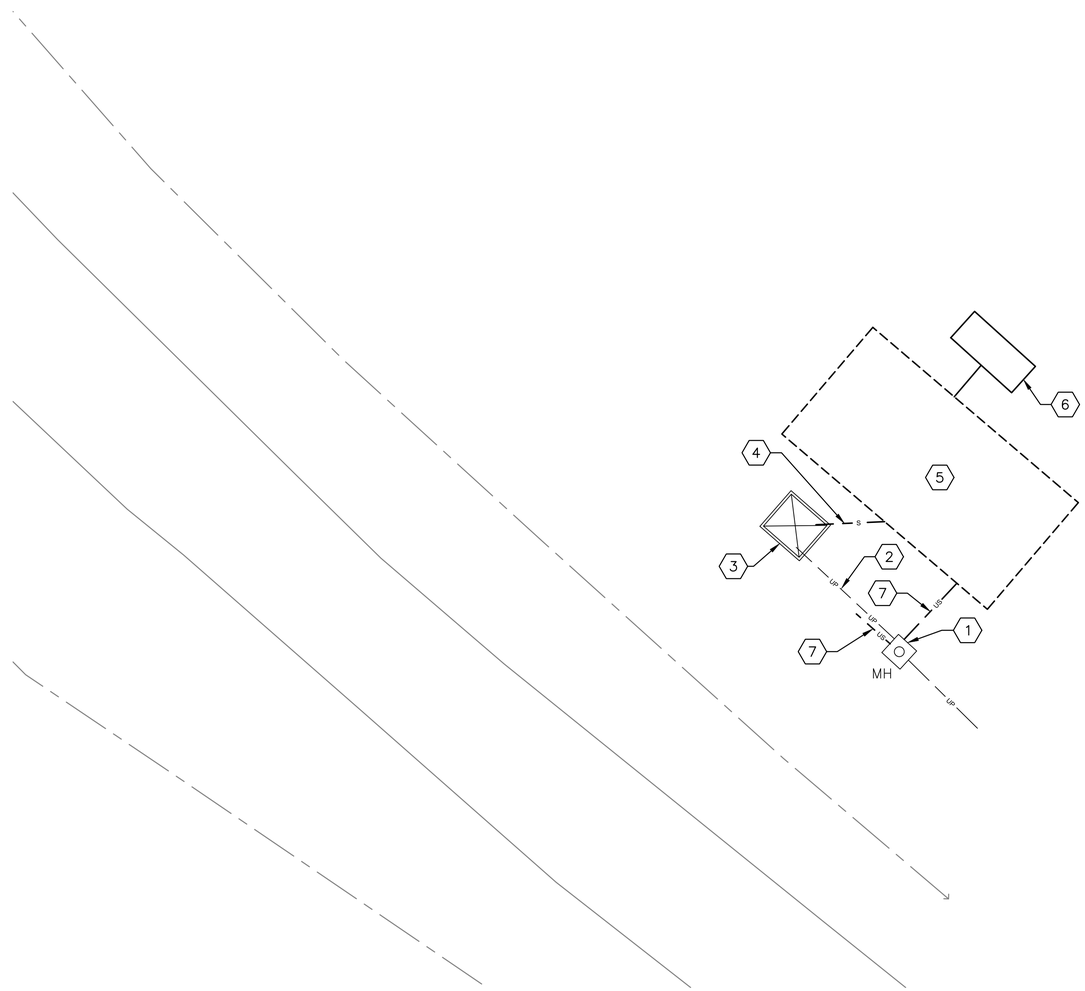
NAVFAC DRAWING NO. 12691763

SHEET 230 OF 368

ED161-D

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: Q:\SMD\100863_008_Energy_and_Reliabi\CADD\ELECTRICAL\10-0863-008-ED161-D.dwg LAYOUT NAME: ED161-D PLOTTED: Tuesday, March 24, 2015 - 12:57pm USER: Rhurst



VAULT E-3036 DEMOLITION SITE PLAN

1"=10'

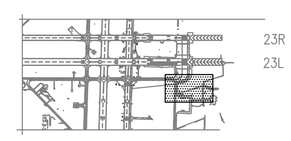
GENERAL SHEET NOTES

1. REFER TO DRAWINGS E-001 THRU E-005 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES.
2. REFER TO DRAWINGS E-401, E-402, E-403 AND E-601 FOR NEW WORK.
3. REFER TO ARCHITECTURAL, CIVIL, ELECTRICAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. ELECTRICAL EQUIPMENT AND DEVICES SHOWN TO BE DEMOLISHED MUST BE DEMOLISHED ALONG WITH ASSOCIATED FEEDERS, BRANCH CIRCUITS, AND CONDUITS. WIRING MUST BE REMOVED BACK TO THE SOURCE. REMOVE CONDUITS ASSOCIATED WITH DEMOLISHED EQUIPMENT EXCEPT CONDUITS CONCEALED IN WALLS OR FLOOR SLABS. CONTRACTOR MUST DISCONNECT, MAKE SAFE, AND REMOVE LIGHT FIXTURES, RECEPTACLES AND OTHER ASSOCIATED ELECTRICAL EQUIPMENT AND ASSOCIATED CIRCUITRY, EXCEPT AS SHOWN OTHERWISE.
5. PRIOR TO DEMOLITION, CONTRACTOR MUST COORDINATE WITH OTHER DISCIPLINES AND FIELD VERIFY EACH BRANCH CIRCUIT AND MAINTAIN THOSE CIRCUITS THAT EXTEND OUTSIDE OF THE SCOPE OF WORK.
6. ELECTRICAL WORK INDICATED TO REMAIN MUST BE SUITABLY PROTECTED TO PREVENT ANY DAMAGE.
7. REPAIR AND PATCH ANY DISTURBED AREAS TO MATCH EXISTING CONDITIONS.
8. ALL ITEMS NOT TO BE SALVAGED MUST BE DEMOLISHED AND PROPERLY DISPOSED BY CONTRACTOR.
9. ALL WORK SHOWN ON THIS DRAWING TO BE COMPLETED UNDER PHASE 2.
10. ITEMS SHOWN ON PLAN ARE TO BE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.

DEMOLITION KEYNOTES

1. EXISTING MANHOLE TO REMAIN.
2. EXISTING 6-WAY 5" SCHEDULE 40 PVC IN CONCRETE ENCASED DUCTBANK TO REMAIN.
3. EXISTING 4-WAY, 5KV PAD MOUNTED SWITCH TO REMAIN.
4. EXISTING FEEDER TO VAULT 3036 TO BE DEMOLISHED.
5. DEMOLISH EQUIPMENT IN THE VAULT 3036. REFER TO DRAWING ED402 FOR ADDITIONAL INFORMATION.
6. DEMOLISH EXISTING ABOVE GROUND FUEL TANK ASSOCIATED WIRING, CONDUITS, AND PIPING. REFER TO PHOTO A2 ON DRAWING E-901.
7. DEMOLISH EXISTING AIRFIELD LIGHTING DUCTBANK WIRING AND ABANDON CONDUITS IN PLACE. REFER TO DRAWING ED141-C FOR ADDITIONAL INFORMATION.

KEY MAP C



GRAPHIC SCALE

1"=10'

0 10' 20' 40'

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Muguirel Giurgiu

COMMONWEALTH OF VIRGINIA
MUGUREL GIURGIU
Lic. No. 046781
PROFESSIONAL ENGINEER

SEAL

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES SJM DRW SJM CHK MG

PM/DM

BRANCH MANAGER WED

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND – MID-ATLANTIC
HR IPT
NAVAL AIR STATION OCEANA – VIRGINIA BEACH, VIRGINIA
NAVAL AIR STATION OCEANA
VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
VAULT E-3036 – DEMOLITION SITE PLAN

SCALE: 1"=10'

EPROJECT NO.: 1291651

CONSTR. CONTR. NO.

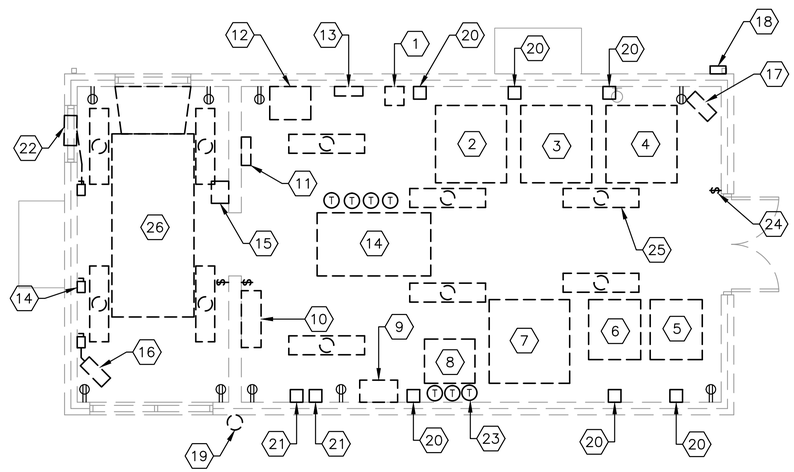
NAVFAC DRAWING NO.
12691709

SHEET 176 OF 368

ED401

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\56427 NAS Oceana\Electrical\Planset\Task 008\10-0963-008-ED401.dwg LAYOUT NAME: Layout1 PLOTTED: Tuesday, March 24, 2015 - 9:32am USER: jrothe



VAULT E-3036 DEMOLITION PLAN

1/4"=1'-0"

GENERAL SHEET NOTES

1. REFER TO DRAWINGS E-001 THRU E-005 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES.
2. REFER TO DRAWINGS E-401, E-402, E-403 AND E-601 FOR NEW WORK.
3. REFER TO ARCHITECTURAL, CIVIL, ELECTRICAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
4. ELECTRICAL EQUIPMENT AND DEVICES SHOWN TO BE DEMOLISHED MUST BE DEMOLISHED ALONG WITH ASSOCIATED FEEDERS, BRANCH CIRCUITS, AND CONDUITS. WIRING MUST BE REMOVED BACK TO THE SOURCE. REMOVE CONDUITS ASSOCIATED WITH DEMOLISHED EQUIPMENT EXCEPT CONDUITS CONCEALED IN WALLS OR FLOOR SLABS. CONTRACTOR MUST DISCONNECT, MAKE SAFE, AND REMOVE LIGHT FIXTURES, RECEPTACLES AND OTHER ASSOCIATED ELECTRICAL EQUIPMENT AND ASSOCIATED CIRCUITRY, EXCEPT AS SHOWN OTHERWISE.
5. PRIOR TO DEMOLITION, CONTRACTOR MUST COORDINATE WITH OTHER DISCIPLINES AND FIELD VERIFY EACH BRANCH CIRCUIT AND MAINTAIN THOSE CIRCUITS THAT EXTEND OUTSIDE OF THE SCOPE OF WORK.
6. ELECTRICAL WORK INDICATED TO REMAIN MUST BE SUITABLY PROTECTED TO PREVENT ANY DAMAGE.
7. REPAIR AND PATCH ANY DISTURBED AREAS TO MATCH EXISTING CONDITIONS.
8. ALL ITEMS NOT TO BE SALVAGED MUST BE DEMOLISHED AND PROPERLY DISPOSED BY CONTRACTOR.
9. ALL WORK SHOWN ON THIS DRAWING TO BE COMPLETED UNDER PHASE 2.
10. ITEMS SHOWN ON PLAN ARE TO BE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.

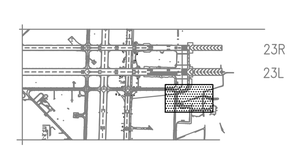
DEMOLITION KEYNOTES

1. DEMOLISH EXISTING 15KVA, 2.4KV-120/240V, 1 PHASE, 3 WIRE DRY TYPE TRANSFORMER, ASSOCIATED WIRING AND CONDUITS.
2. DEMOLISH EXISTING 30KW, 2400V, 6.6A, 5 STEPS CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
3. DEMOLISH EXISTING 30KW, 2400V, 6.6A, 5 STEPS CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
4. DEMOLISH EXISTING 30KW, 2400V, 6.6A, 5 STEPS CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
5. DEMOLISH EXISTING 37.5KW, 2400V, 20A, 5 STEPS CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
6. DEMOLISH EXISTING 37.5KW, 2400V, 20A, 5 STEPS CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
7. DEMOLISH EXISTING 112.5KVA, 480V-4160/2400V DRY TYPE TRANSFORMER, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A9 ON DRAWING E-901.

DEMOLITION KEYNOTES

8. DEMOLISH EXISTING 15KVA, 2.4KV-120/240V, 1 PHASE, 3 WIRE DRY TYPE TRANSFORMER, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A8 ON DRAWING E-901.
9. REMOVE EXISTING ALSF CONTROL CABINET, ASSOCIATED WIRING AND CONDUITS. CONTRACTOR TO STORE AND PROTECT FOR RE-INSTALLATION. REFER TO PHOTO A3 ON DRAWING E-901.
10. DEMOLISH EXISTING RADIO CONTROLLER FOR PILOTS, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A4 ON DRAWING E-901.
11. DEMOLISH EXISTING LIGHTING PANEL, ASSOCIATED WIRING AND CONDUITS.
12. DEMOLISH EXISTING AUTOMATIC TRANSFER SWITCH ASSOCIATED WIRING AND CONDUITS.
13. DEMOLISH EXISTING ALSF PANEL 120/240V, ASSOCIATED WIRING AND CONDUITS.
14. DEMOLISH EXISTING 4160/2400V SWITCH, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTOS A6 AND A10 ON DRAWING E-901.
15. DEMOLISH EXISTING BATTERY CHARGER, ASSOCIATED WIRING AND CONDUITS.
16. DEMOLISH EXISTING UNIT HEATER, ASSOCIATED WIRING AND CONDUITS.
17. DEMOLISH EXISTING UNIT HEATER, ASSOCIATED WIRING AND CONDUITS.
18. DEMOLISH EXISTING FUEL STORAGE TANK CONTROL PANEL, ASSOCIATED WIRING AND CONDUITS.
19. DEMOLISH EXISTING SPAWAR COMMUNICATIONS ANTENNA, ASSOCIATED WIRING AND CONDUITS.
20. DEMOLISH EXISTING 100A, 2400V SWITCH, ASSOCIATED WIRING AND CONDUITS.
21. DEMOLISH EXISTING 200A, 2400V SWITCH, ASSOCIATED WIRING AND CONDUITS.
22. DEMOLISH EXISTING EXHAUST FAN, ASSOCIATED WIRING AND CONDUITS.
23. DEMOLISH EXISTING THERMOSTAT, ASSOCIATED WIRING AND CONDUITS. TYPICAL.
24. DEMOLISH EXISTING LIGHTING SWITCH AND RECEPTACLES, ASSOCIATED WIRING AND CONDUITS. TYPICAL.
25. DEMOLISH EXISTING LIGHTING FIXTURES, ASSOCIATED WIRING AND CONDUITS. TYPICAL.
26. SALVAGE EXISTING DIESEL GENERATOR AND COORDINATE TURN OVER WITH CONTRACTING OFFICER. DEMOLISH ASSOCIATED WIRING AND CONDUITS.

KEY MAP C



GRAPHIC SCALE

1/4"=1'-0"

1' 0 2' 4' 8'

SYM	DESCRIPTION	DATE	APPR

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BRANCH MANAGER WED

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NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC
NAVAL AIR STATION OCEANA ~ VIRGINIA BEACH, VIRGINIA
HR IPT
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VIRGINIA BEACH, VIRGINIA
ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
VAULT E-3036 - DEMOLITION PLAN

SCALE: 1/4" = 1'-0"

EPROJECT NO.: 1291651

CONSTR. CONTR. NO.

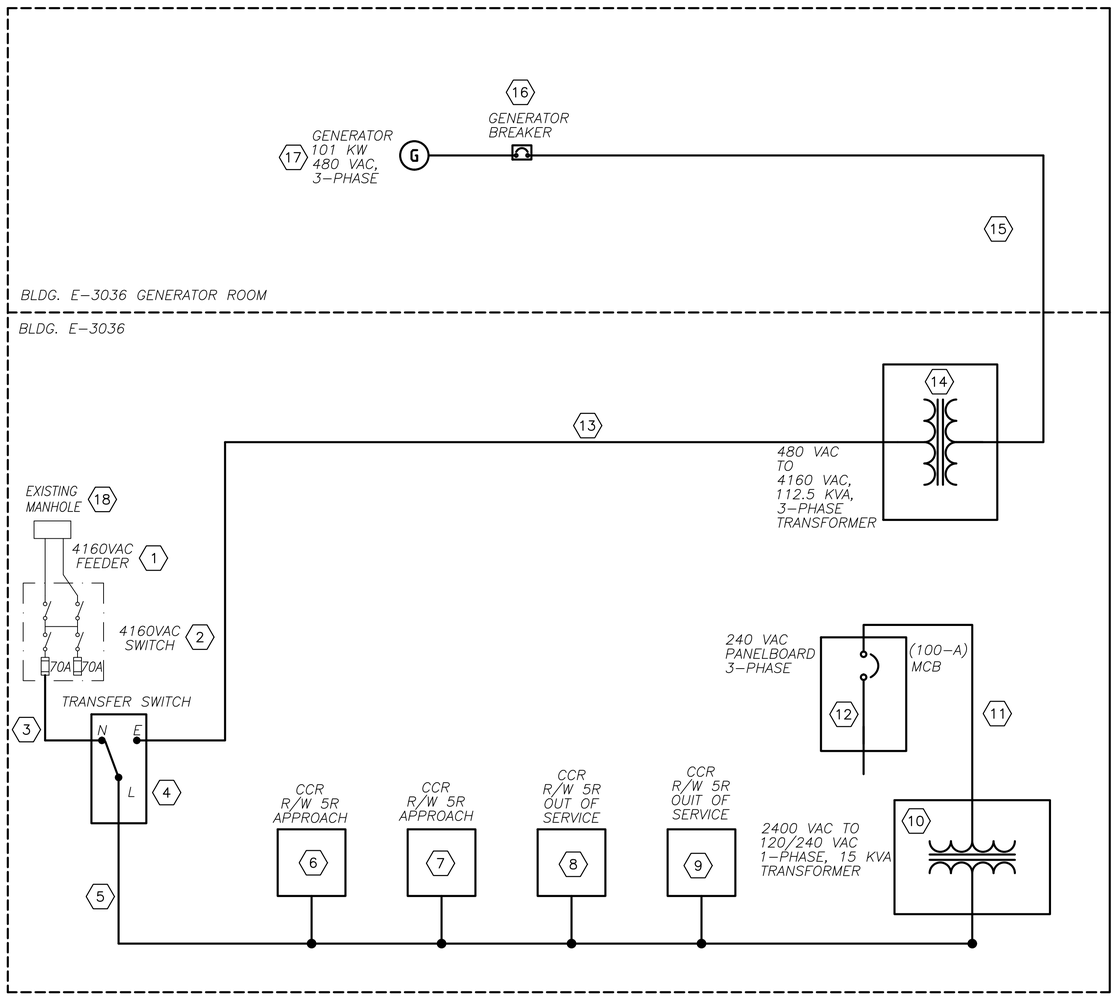
NAVFAC DRAWING NO.
12691710

SHEET 177 OF 368

ED402

DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: H:\56427 NAS Oceana\Electrical\Planset\Task 008\10-0863-008-ED402.dwg LAYOUT NAME: Layout1 PLOTTED: Tuesday, March 24, 2015 - 9:32am USER: jrothe



VAULT E-3036 ONE LINE DIAGRAM - DEMOLITION

NTS

GENERAL SHEET NOTES

1. REFER TO DRAWINGS E-001 THRU E-005 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES.
2. REFER TO DRAWING E-601 FOR NEW WORK ONE-LINE DIAGRAM AND NOTES.
3. REFER TO ARCHITECTURAL, CIVIL, ELECTRICAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
4. INFORMATION SHOWN ON THE DRAWINGS RETAINING TO ELECTRICAL EQUIPMENT AND DEVICES SHOWN TO BE DEMOLISHED MUST BE DEMOLISHED ALONG WITH ASSOCIATED FEEDERS, BRANCH CIRCUITS, AND CONDUITS. WIRING MUST BE REMOVED BACK TO THE SOURCE. REMOVE CONDUITS ASSOCIATED WITH DEMOLISHED EQUIPMENT EXCEPT CONDUITS CONCEALED IN WALLS OR FLOOR SLABS. CONTRACTOR MUST DISCONNECT, MAKE SAFE, AND REMOVE LIGHT FIXTURES, RECEPTACLES AND OTHER ASSOCIATED ELECTRICAL EQUIPMENT AND ASSOCIATED CIRCUITRY, EXCEPT AS SHOWN OTHERWISE.
5. PRIOR TO DEMOLITION, CONTRACTOR MUST COORDINATE WITH OTHER DISCIPLINES AND FIELD VERIFY EACH BRANCH CIRCUIT AND MAINTAIN THOSE CIRCUITS THAT EXTEND OUTSIDE OF THE SCOPE OF WORK.
6. ELECTRICAL WORK INDICATED TO REMAIN MUST BE SUITABLY PROTECTED TO PREVENT ANY DAMAGE.
7. REPAIR AND PATCH ANY DISTURBED AREAS TO MATCH EXISTING CONDITIONS.
8. ALL ITEMS NOT TO BE SALVAGED MUST BE DEMOLISHED AND PROPERLY DISPOSED BY CONTRACTOR.
9. ALL WORK SHOWN ON THIS DRAWING TO BE COMPLETED UNDER PHASE 2.
10. ITEMS SHOWN ON PLAN ARE TO BE EXISTING TO REMAIN UNLESS OTHERWISE INDICATED.

DEMOLITION KEYNOTES

1. EXISTING 5KV FEEDER TO REMAIN.
2. EXISTING 5KV SWITCH TO REMAIN.
3. DEMOLISH EXISTING 5KV FEEDER WIRING AND CONDUITS.
4. DEMOLISH EXISTING AUTOMATIC TRANSFER SWITCH, ASSOCIATED WIRING AND CONDUITS.
5. DEMOLISH EXISTING 5KV FEEDER WIRING AND CONDUITS.
6. DEMOLISH EXISTING CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
7. DEMOLISH EXISTING CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
8. DEMOLISH EXISTING CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
9. DEMOLISH EXISTING CCR, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A7 ON DRAWING E-901.
10. DEMOLISH EXISTING STEP-DOWN TRANSFORMER, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A8 ON DRAWING E-901.
11. DEMOLISH EXISTING 240V FEEDER WIRING AND CONDUITS.
12. DEMOLISH EXISTING 240V PANELBOARD, ASSOCIATED WIRING AND CONDUITS.
13. DEMOLISH EXISTING 5KV FEEDER WIRING AND CONDUITS.
14. DEMOLISH EXISTING STEP-UP TRANSFORMER, ASSOCIATED WIRING AND CONDUITS. REFER TO PHOTO A9 ON DRAWING E-901.
15. DEMOLISH EXISTING 480V FEEDER WIRING AND CONDUITS.
16. DEMOLISH EXISTING GENERATOR BREAKER, ASSOCIATED WIRING AND CONDUITS.
17. SALVAGE EXISTING 101KW GENERATOR AND COORDINATE TURN OVER WITH CONTRACTING OFFICER. DEMOLISH ASSOCIATED WIRING AND CONDUITS.
18. EXISTING MANHOLE WITH 5KV FEEDER FOR VAULT E-3036 CONNECTED IN A LOOP CONFIGURATION TO EXISTING FEEDER FROM BREAKER A, SUBSTATION 1. REFER TO DRAWING ED141-C FOR MORE INFORMATION.

SYM	DESCRIPTION	DATE	APPR

NAVFAC

Muguel Giurgiu

COMMONWEALTH OF VIRGINIA
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ENERGY AND RELIABILITY
MODERNIZATION OF AIRFIELD LIGHTING - PHASE 1 AND 2
VAULT E-3036 – ONE LINE DIAGRAM – DEMOLITION

SCALE: NTS

EPROJECT NO.: 1291651

CONSTR. CONTR. NO.

NAVFAC DRAWING NO.
12691711

SHEET 178 OF 368

ED601

DRAWFORM REVISION: 10 MARCH 2009

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