

U.S. CONSULATE GENERAL, ANKAWA COMPOUND ERBIL, IRAQ  
LOCAL CONTRACTOR PACKAGE  
100% DESIGN SUBMISSION  
05/01/14

**APPROVED**



DRAWING TITLE	DRAWING NUMBER
TITLE PAGE	C1.01
SCOPE OF WORK (SOW)	C1.02
SITE PLAN - OVERALL - REFERENCE ONLY - NEW WORK	C2.01
SITE PLAN - AREA "A" - NEW WORK	C2.02
SITE PLAN - AREA "B" - NEW WORK	C2.03
SITE PLAN - AREA "C" - NEW WORK	C2.04
SITE PLAN - AREA "D" - NEW WORK	C2.05

100% DESIGN SUBMISSION  
FOR OBO PERMIT

**DESIGN & ENGINEERING ALLIEDS**  
U.S. DEPT. OF STATE  
660A ANDRIA, VA 22116-6700  
TEL: (703)922-6601  
FAX: (703)922-6602

**LOCAL CONTRACTOR PACKAGE for ERBIL, IRAQ**

**WARNING:** This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written approval of the U.S. Government. Information on this document is not to be altered except with the written approval of the individual whose name appears hereon.

DESIGN CONCEPT APPROVAL	DATE	REVIEWED BY	DATE
PME GOVT			
PME CAD			
PME ENGINEERING			
PME SMCs			

**TITLE/INDEX PAGE**

PHASE:  30%  90%  100%  AS-BUILT

CAD FILE NAME: EBLD101.dwg  
DRAWING SCALE: NONE  
PROJECT NUMBER: ERBIL-PME-14039  
DRAWN BY: ARG  
DESIGNED BY: CP  
DATE: 11/08/13  
CLASSIFICATION: SENSITIVE BUT UNCLASSIFIED

DRAWING NUMBER: **C1.01**  
SHEET 1 OF 7

# SCOPE OF WORK (SOW)

SENSITIVE BUT UNCLASSIFIED

THE CONSULATE GENERAL COMPOUND, (ERBIL, IRAQ) HEREAFTER KNOWN AS THE CONSULATE GENERAL, WILL RETAIN THE SERVICES OF A LOCAL CONTRACTOR TO PERFORM THE BELOW SCOPE OF WORK FOR THE INSTALLATION OF ALL FIBER AND POWER CABLE RUNS TO ALL DESIGNATED AREAS IN CONTRACTORS PACKAGE. THE CONSULATE GENERAL WILL HANDLE ALL THE CONTRACT LEGAL REQUIREMENTS WITH THE LOCAL CONTRACTOR. DS/FSE/PME (HEREAFTER REFERRED TO AS PME) WILL PROVIDE THE DESIGN DRAWINGS AND SCOPE OF WORK.

THIS DOCUMENT OUTLINES THE SCOPE OF WORK AND SPECIFICATIONS FOR THE LOCAL CONTRACTOR AS FOLLOWS:

## 1. GENERAL

### 1.A. DESIGN DRAWINGS AND SPECIFICATIONS

PME WILL PROVIDE THE DESIGN PACKAGE AND SPECIFICATIONS FOR THE INSTALLATION OF ALL FIBER, POWER INFRASTRUCTURE AND WEATHER HEADS. IT IS THE LOCAL CONTRACTORS RESPONSIBILITY TO REVIEW AND UNDERSTAND THE WORK INVOLVED AND WHAT IS REQUIRED TO COMPLETE THE PROJECT. IF ANY ERROR OR INCONSISTENCIES ARE FOUND ON THE DRAWINGS, THE LOCAL CONTRACTOR WILL BRING THESE TO THE ATTENTION OF THE CONSULATE GENERAL AND/OR PME.

THE LOCAL CONTRACTOR WILL PULL ALL FIBER AND POWER FEEDS AS CALLED OUT IN THE DRAWING PACKAGE.

THE LOCAL CONTRACTOR SHALL HAVE A RESIDENT REGISTERED/CERTIFIED/LICENSED CIVIL ENGINEER OR GRADUATE ARCHITECT ON SITE OR A QUALIFIED CONSTRUCTION SUPERVISOR AT ALL TIMES, WHO SHOULD HAVE AT LEAST TWO YEARS EXPERIENCE IN SIMILAR WORK AND CAN SPEAK, WRITE AND READ ENGLISH AT A MODERATE OR HIGHER LEVEL. THE LOCAL CONTRACTOR SHALL SUBMIT THE CURRICULUM VITAE OF THE RESIDENT ENGINEER TO THE CONSULATE GENERAL COMPOUND FOR APPROVAL.

THE LOCAL CONTRACTOR WILL PROVIDE A DETAILED PROJECT SCHEDULE, WITH START AND END DATES FOR WORK ACTIVITIES AND STATING A CRITICAL PATH.

THE LOCAL CONTRACTOR WILL PROVIDE THE CONSULATE GENERAL COMPOUND WITH WEEKLY WORK PROGRESS REPORTS AND CONSTRUCTION SCHEDULE UPDATES DURING THE DURATION OF THE PROJECT.

THE CONSULATE GENERAL COMPOUND WILL HAVE FINAL APPROVAL OF ALL WORK PERFORMED BY THE LOCAL CONTRACTOR.

### 1.B. MATERIALS

#### 1.B.1. PME PROVIDED MATERIALS

PME WILL NOT PROVIDE FIBER AND POWER CABLES.

#### 1.B.2. LOCAL MATERIALS

THE LOCAL CONTRACTOR WILL PROVIDE ALL FIBER AND POWER CABLES.

### 1.C. SITE AND SAFETY REQUIREMENTS

#### 1.C.1. SITE INSTALLATION OVERSIGHT

A SECURITY INSTALLATION SUPERVISOR REPRESENTING PME WILL BE ON SIGHT TO PROVIDE DESIGN INSTALLATION OVERSIGHT FOR ALL WORK IN THIS CONTRACTORS PACKAGE.

#### 1.C.2. SITE PREPARATION

THE LOCAL CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING AND REMOVING ALL DEBRIS FROM THE CONSULATE GENERAL TO THE NEAREST AUTHORIZED DUMP FACILITY (AUTHORIZED BY THE TOWN). THE AREAS AFFECTED BY THE LOCAL CONTRACTOR'S WORK MUST BE RETURNED BACK TO PRE-CONSTRUCTION CONDITIONS AFTER THE WORK IS COMPLETED. (E.G. GRASS, GRAVEL, SIDEWALK, LANDSCAPING, ASPHALT ETC.)

#### 1.C.3. SITE SAFETY

THE WORK ZONE MUST BE CLEARLY MARKED WITH WARNING SIGNS AND YELLOW PLASTIC SAFETY TAPE FIXED TO WOOD POSTS. LOCAL CONTRACTOR MUST COMPLY WITH ALL APPLICABLE SAFETY STANDARDS TO PROTECT THE CONSULATE GENERAL EMPLOYEES, THE PUBLIC AND LOCAL CONTRACTOR WORKERS FROM INJURIES AND ACCIDENTS. THE LOCAL CONTRACTOR WILL BE HELD LIABLE FOR INJURIES OR ACCIDENTS SUSTAINED DUE TO NEGLIGENCE BY THE LOCAL CONTRACTOR DURING THE COURSE OF THIS PROJECT.

#### 1.C.4. PROTECTION OF THE CONSULATE GENERAL EQUIPMENT

THE LOCAL CONTRACTOR MUST MAKE SURE THAT THE CONSULATE GENERAL EQUIPMENT AND PROPERTY IN THE WORK ZONE OR SURROUNDING AREAS ARE PROTECTED TO PREVENT THEM FROM GETTING DAMAGED DURING CONSTRUCTION. SHOULD ANY REPAIR OR CHANGE HAVE TO BE DONE DUE NEGLIGENCE BY THE LOCAL CONTRACTOR OR ITS WORKERS, THE LOCAL CONTRACTOR WILL BE RESPONSIBLE FOR THE COSTS INCURRED IN THE REPAIR.

#### 1.C.5. THE CONSULATE GENERAL SECURITY REQUIREMENTS

TO BE DETERMINED BY POST SECURITY.

## 2. POWER AND FIBER

### 2.A. POWER

ALL POWER FEEDS CALLED OUT IN THIS PACKAGE WILL BE RAN ALONG EXISTING POWER POLES. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING SURE ALL POWER FEEDS GET PULLED TO EACH LOCATION CALLED OUT IN THIS PACKAGE.

ALL POWER ENTERING INTO BUILDINGS WILL NEED TO HAVE PROPER WEATHER HEADS AND CONDUIT PER NATIONAL ELECTRICAL CODE. CONTRACTOR TO WORK WITH POST FOR POINTS OF ENTRY INTO BUILDING.

THE LOCAL CONTRACTOR WILL NEED TO COORDINATE WITH THE CONSULATE GENERAL AND SECURITY INSTALLATION SUPERVISOR FOR POWER FEEDS PENETRATIONS INTO EXISTING BUILDINGS.

### 2.B. FIBER

ALL FIBER FEEDS CALLED OUT IN THIS PACKAGE WILL BE RAN ALONG EXISTING POWER POLES. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING SURE ALL FIBER FEEDS GET PULLED TO EACH LOCATION CALLED OUT IN THIS PACKAGE.

ALL FIBER ENTERING INTO BUILDINGS WILL NEED TO HAVE PROPER WEATHER HEADS AND CONDUIT PER NATIONAL ELECTRICAL CODE. CONTRACTOR TO WORK WITH POST FOR POINTS OF ENTRY INTO BUILDING.

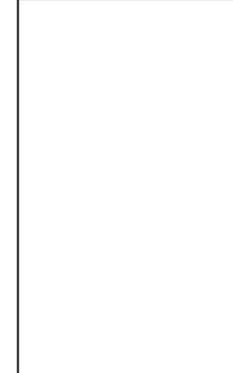
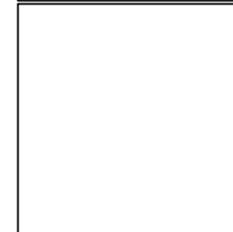
THE LOCAL CONTRACTOR WILL COORDINATE WITH THE SECURITY INSTALLATION SUPERVISOR AS TO HOW LONG THE FIBER SERVICE LOOPS WILL BE PER THE CONTRACTORS PACKAGE.



U.S. DISTRICT COURT OF THE DISTRICT OF COLUMBIA  
6600 ROCKMOUNT AVENUE, SUITE 200  
ALEXANDRIA, VA 22315-5770  
TEL: (703)922-6601  
FAX: (703)922-6602

**LOCAL CONTRACTOR PACKAGE for ERBIL, IRAQ**

WARNING: This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written permission of the U.S. Government. Information on this document is not to be altered except with the written approval of the individual whose name and appears herein.



**SCOPE OF WORK (SOW)**

DRAWING TITLE

CAD FILE NAME: EBLD102.dwg

DRAWING SCALE: NONE

PROJECT NUMBER: ERBIL-PME-14039

DRAWN BY: ARG

DESIGNED BY: CP

DATE: 11/08/13

DRAWING NUMBER: **C1.02**

SHEET 2 OF 7

CLASSIFICATION: SENSITIVE BUT UNCLASSIFIED

REV.

PHASE:  30%  90%  100%  AS-BUILT

SENSITIVE BUT UNCLASSIFIED



**DRAWING NOTES**

1. ALL LOCALLY PROCURED WIRE MUST BE THE EQUIVALENT OF ALL WIRES CALLED OUT IN WIRE SCHEDULE.

**DRAWING KEY NOTES**

- ① ALL CABLES CONTINUE TO THIS LOCATION. LEAVE 20' (6 METERS) SERVICE LOOPS. (9 PLACES)
- ② 2" WEATHER HEAD FOR SIGNAL WIRE. LEAVE 50' (16 METERS) SERVICE LOOP INSIDE BUILDING.
- ③ 2" WEATHER HEAD FOR POWER WIRE. LEAVE 50' (16 METERS) SERVICE LOOP INSIDE BUILDING. (3 PLACES)

**SYMBOLS**

- FREE RUNNING SIGNAL WIRE
- FREE RUNNING POWER WIRE
- ⊕ EQUIPMENT JUNCTION BOX
- + CABLE SERVICE LOOP
- ⊗ EXISTING POLE

**WIRE SCHEDULE**

WIRE DESIGNATION	DESCRIPTION	MFT CAT. NO.
Z	(3)COND/8 AWG, THHN, STRANDED	27033001 27036301 20488312
WW	24 STRAND FIBER	024K8P-35130
YY	6 STRAND FIBER	006K8P-35130-0R



1 SITE PLAN - AREA "A"  
C2.02/C2.02 SCALE: 1:300



AREA "B" - REFER TO DRAWING C2.03

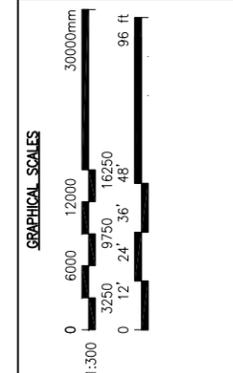
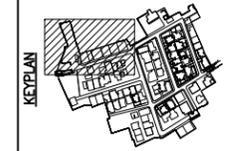
AREA "C" - REFER TO DRAWING C2.04



**LOCAL CONTRACTOR PACKAGE for ERBIL, IRAQ**

U.S. DISTRICT COURT OF THE DISTRICT OF ARIZONA  
6600 N. CENTRAL AVENUE, SUITE 200  
MESA, ARIZONA 85205  
TEL: (480) 922-6601  
FAX: (480) 922-6602

WARNING: This document is the property of the U.S. Government. Further reproduction or distribution is prohibited without the express written approval of the U.S. Government. Information on this document is not to be altered except with the written approval of the individual whose name appears hereon.



**SITE PLAN AREA "A" NEW WORK**

PHASE:  30%  90%  100%  AS-BUILT

DRAWING TITLE	
CAD FILE NAME: EBLD202.dwg	
DRAWING SCALE: AS NOTED	
PROJECT NUMBER: ERBIL-PME-14039	
DRAWN BY: ARG	DRAWING NUMBER: C2.02
DESIGNED BY: CP	SHEET 4 OF 7
DATE: 11/08/13	REV.
CLASSIFICATION: SENSITIVE BUT UNCLASSIFIED	REV.

**DRAWING NOTES**

1. ALL LOCALLY PROCURED WIRE MUST BE THE EQUIVALENT OF ALL WIRES CALLED OUT IN WIRE SCHEDULE.

**DRAWING KEY NOTES**

- ① ALL CABLES CONTINUE TO THIS LOCATION. LEAVE 20' (6 METERS) SERVICE LOOPS. (17 PLACES)
- ② 2" WEATHER HEAD FOR SIGNAL WIRE. LEAVE 50' (16 METERS) SERVICE LOOP INSIDE BUILDING.
- ③ 2" WEATHER HEAD FOR POWER WIRE. LEAVE 50' (16 METERS) SERVICE LOOP INSIDE BUILDING. (8 PLACES)

**SYMBOLS**

- FREE RUNNING SIGNAL WIRE
- FREE RUNNING POWER WIRE
- ⊙ EQUIPMENT JUNCTION BOX
- ⊥ CABLE SERVICE LOOP
- ⊗ EXISTING POLE

**WIRE SCHEDULE**

WIRE DESIGNATION	DESCRIPTION	MFT CAT. NO.
Z	(3)COND/8 AWG, THHN, STRANDED	27033001 27036301 20488312
WW	24 STRAND FIBER	024K8P-35130
YY	6 STRAND FIBER	006K8P-35130-OR



**LOCAL CONTRACTOR PACKAGE for ERBIL, IRAQ**

WARNING: This document is the property of the U.S. Government. Further reproduction or distribution is prohibited without the express written approval of the U.S. Government. Information on this document is not to be altered except with the written approval of the individual whose name appears hereon.

KEY PLAN



GRAPHICAL SCALES



DRAWING TITLE

CAD FILE NAME  
EBLD203.dwg

DRAWING SCALE  
AS NOTED

PROJECT NUMBER  
ERBIL-PME-14039

DRAWN BY  
ARG

DESIGNED BY  
CP

DATE  
11/08/13

CLASSIFICATION  
SENSITIVE BUT UNCLASSIFIED

DRAWING NUMBER

**C2.03**

SHEET 5 OF 7

REV.

**SITE PLAN AREA "B" NEW WORK**

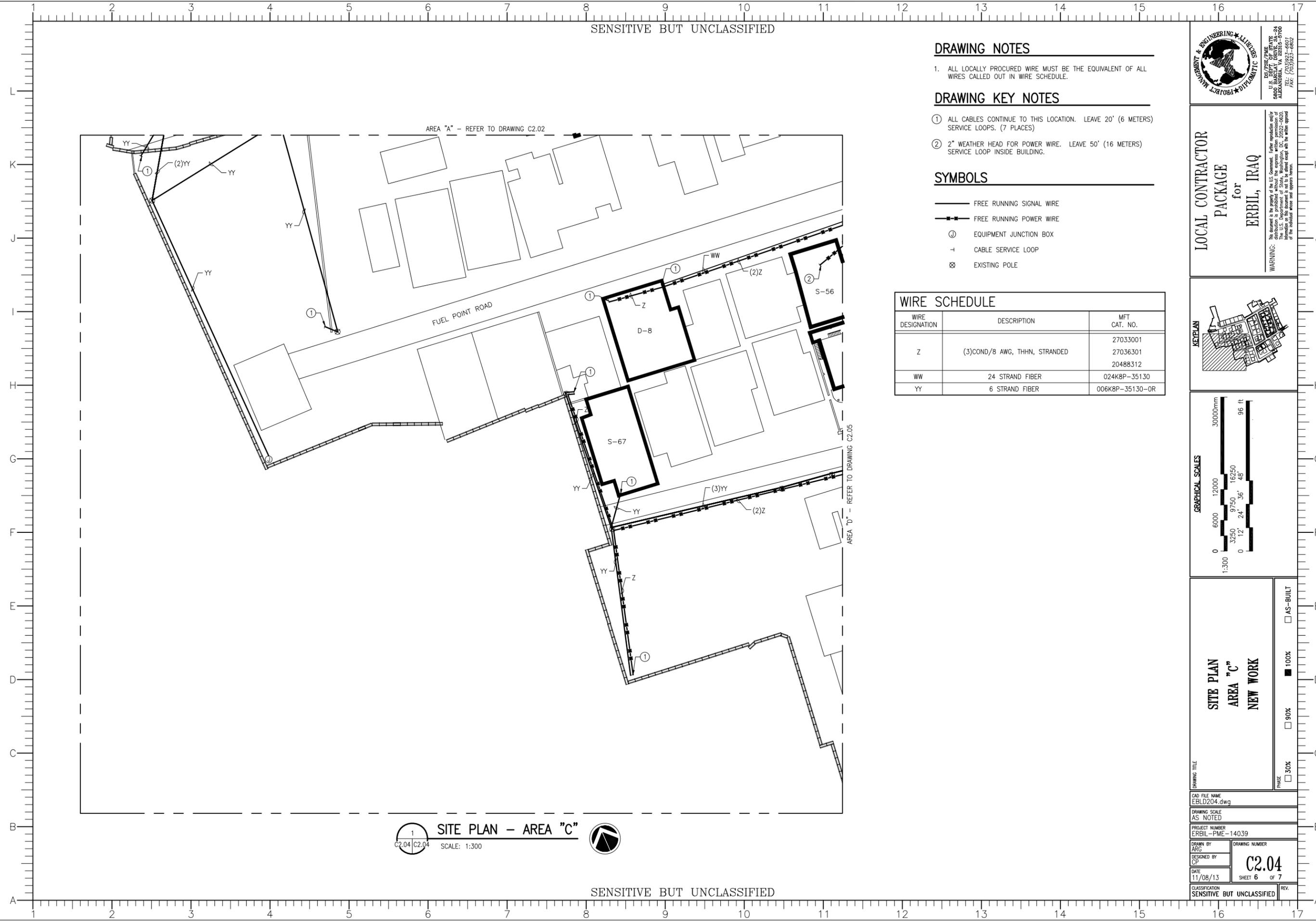
30%  
 90%  
 100%  
 AS-BUILT



AREA "A" - REFER TO DRAWING C2.02

AREA "D" - REFER TO DRAWING C2.05

**1 SITE PLAN - AREA "B"**  
C2.03 C2.03 SCALE: 1:300



1 SITE PLAN - AREA "C" SCALE: 1:300

**DRAWING NOTES**

1. ALL LOCALLY PROCURED WIRE MUST BE THE EQUIVALENT OF ALL WIRES CALLED OUT IN WIRE SCHEDULE.

**DRAWING KEY NOTES**

- ① ALL CABLES CONTINUE TO THIS LOCATION. LEAVE 20' (6 METERS) SERVICE LOOPS. (7 PLACES)
- ② 2" WEATHER HEAD FOR POWER WIRE. LEAVE 50' (16 METERS) SERVICE LOOP INSIDE BUILDING.

**SYMBOLS**

- FREE RUNNING SIGNAL WIRE
- FREE RUNNING POWER WIRE
- ⊙ EQUIPMENT JUNCTION BOX
- CABLE SERVICE LOOP
- ⊗ EXISTING POLE

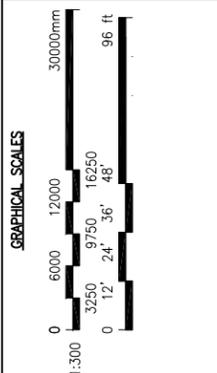
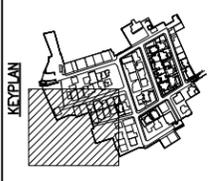
**WIRE SCHEDULE**

WIRE DESIGNATION	DESCRIPTION	MFT CAT. NO.
Z	(3)COND/8 AWG, THHN, STRANDED	27033001 27036301 20488312
WW	24 STRAND FIBER	024K8P-35130
YY	6 STRAND FIBER	006K8P-35130-OR



**LOCAL CONTRACTOR PACKAGE for ERBIL, IRAQ**

WARNING: This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written approval of the U.S. Government. This information on this document is not to be altered except with the written approval of the individual whose name appears hereon.



**SITE PLAN AREA "C" NEW WORK**

PHASE:  30%  90%  100%  AS-BUILT

CAD FILE NAME EBLD204.dwg	
DRAWING SCALE AS NOTED	
PROJECT NUMBER ERBIL-PME-14039	
DRAWN BY ARG	DRAWING NUMBER <b>C2.04</b>
DESIGNED BY CP	SHEET 6 OF 7
DATE 11/08/13	REV.
CLASSIFICATION SENSITIVE BUT UNCLASSIFIED	REV.

DRAWING NOTES

- 1. ALL LOCALLY PROCURED WIRE MUST BE THE EQUIVALENT OF ALL WIRES CALLED OUT IN WIRE SCHEDULE.

DRAWING KEY NOTES

- ① ALL CABLES CONTINUE TO THIS LOCATION. LEAVE 20' (6 METERS) SERVICE LOOPS. (14 PLACES)
- ② 2" WEATHER HEAD FOR SIGNAL WIRE. LEAVE 50' (16 METERS) SERVICE LOOP INSIDE BUILDING. (2 PLACES)
- ③ 2" WEATHER HEAD FOR POWER WIRE. LEAVE 50' (16 METERS) SERVICE LOOP INSIDE BUILDING. (4 PLACES)

SYMBOLS

- FREE RUNNING SIGNAL WIRE
- - - FREE RUNNING POWER WIRE
- ⊙ EQUIPMENT JUNCTION BOX
- + CABLE SERVICE LOOP
- ⊗ EXISTING POLE

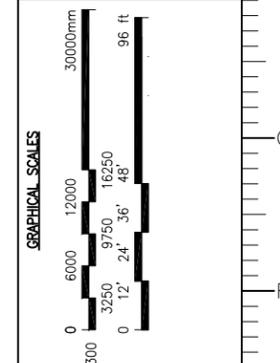
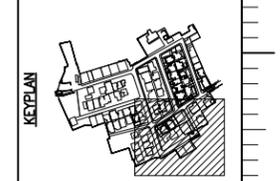
WIRE SCHEDULE

WIRE DESIGNATION	DESCRIPTION	MFT CAT. NO.
Z	(3)COND/8 AWG, THHN, STRANDED	27033001 27036301 20488312
WW	24 STRAND FIBER	024K8P-35130
YY	6 STRAND FIBER	006K8P-35130-0R



**LOCAL CONTRACTOR PACKAGE for ERBIL, IRAQ**

WARNING: This document is the property of the U.S. Government. Further reproduction and/or distribution is prohibited without the express written approval of the U.S. Government. Information on this document is not to be altered except with the written approval of the individual whose name appears hereon.



**SITE PLAN AREA "D" NEW WORK**

PHASE:  30%  90%  100%  AS-BUILT

DRAWING TITLE: CAD FILE NAME: EBLD205.dwg

DRAWING SCALE: AS NOTED

PROJECT NUMBER: ERBIL-PME-14039

DRAWN BY: ARG DRAWING NUMBER: C2.05

DESIGNED BY: CP SHEET 7 OF 7

DATE: 11/08/13

CLASSIFICATION: SENSITIVE BUT UNCLASSIFIED



1 SITE PLAN - AREA "D" SCALE: 1:300