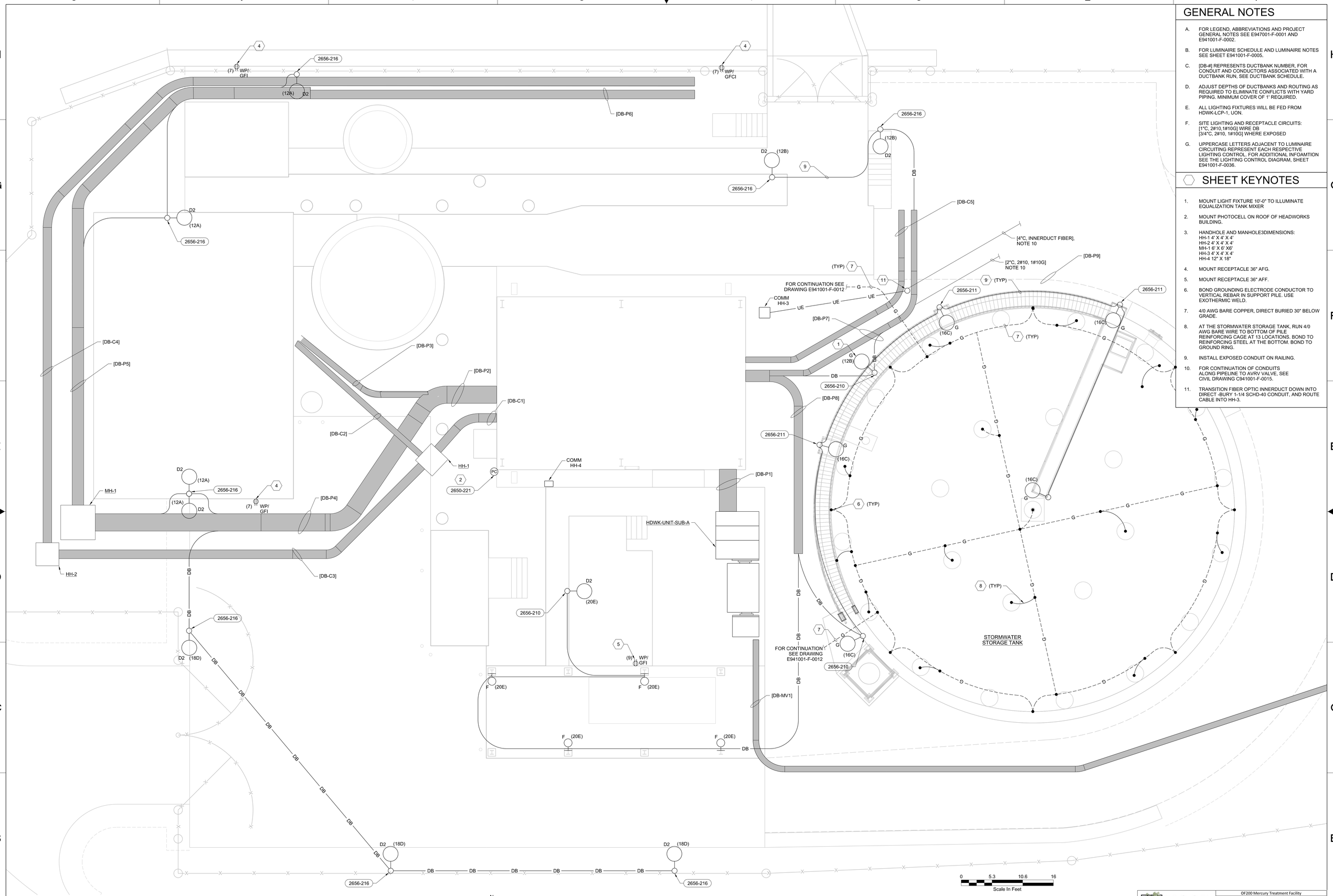

N

SITE ELECTRICAL PLAN

3/16"=1'-0"

GENERAL NOTES

A. FOR LEGEND, ABBREVIATIONS AND PROJECT GENERAL NOTES SEE E947001-F-0001 AND E941001-F-0002.

B. FOR LUMINAIRE SCHEDULE AND LUMINAIRE NOTES SEE SHEET E941001-F-0005.

C. [DB-#] REPRESENTS DUCTBANK NUMBER, FOR CONDUIT AND CONDUCTORS ASSOCIATED WITH A DUCTBANK RUN, SEE DUCTBANK SCHEDULE.

D. ADJUST DEPTHS OF DUCTBANKS AND ROUTING AS REQUIRED TO ELIMINATE CONFLICTS WITH YARD PIPING. MINIMUM COVER OF 1' REQUIRED.

E. ALL LIGHTING FIXTURES WILL BE FED FROM HDWK-LCP-1, UON.

F. SITE LIGHTING AND RECEPTACLE CIRCUITS: [1"C, 2#10, 1#10G] WIRE DB [3/4"C, 2#10, 1#10G] WHERE EXPOSED

G. UPPERCASE LETTERS ADJACENT TO LUMINAIRE CIRCUITING REPRESENT EACH RESPECTIVE LIGHTING CONTROL. FOR ADDITIONAL INFOAMTION SEE THE LIGHTING CONTROL DIAGRAM, SHEET E941001-F-0036.

SHEET KEYNOTES

1. MOUNT LIGHT FIXTURE 10'-0" TO ILLUMINATE EQUALIZATION TANK MIXER
2. MOUNT PHOTOCELL ON ROOF OF HEADWORKS BUILDING.
3. HANDHOLE AND MANHOLE3DIMENSIONS:
   HH-1 4' X 4' X 4'
   HH-2 4' X 4' X 4'
   MH-1 6' X 6' X6'
   HH-3 4' X 4' X 4'
   HH-4 12" X 18"
4. MOUNT RECEPTACLE 36" AFG.
5. MOUNT RECEPTACLE 36" AFF.
6. BOND GROUNDING ELECTRODE CONDUCTOR TO VERTICAL REBAR IN SUPPORT PILE. USE EXOTHERMIC WELD.
7. 4/0 AWG BARE COPPER, DIRECT BURIED 30" BELOW GRADE.
8. AT THE STORMWATER STORAGE TANK, RUN 4/0 AWG BARE WIRE TO BOTTOM OF PILE REINFORCING CAGE AT 13 LOCATIONS. BOND TO REINFORCING STEEL AT THE BOTTOM. BOND TO GROUND RING.
9. INSTALL EXPOSED CONDUIT ON RAILING.
10. FOR CONTINUATION OF CONDUITS ALONG PIPELINE TO AVRV VALVE, SEE CIVIL DRAWING C941001-F-0015.
11. TRANSITION FIBER OPTIC INNERDUCT DOWN INTO DIRECT -BURY 1-1/4 SCHD-40 CONDUIT, AND ROUTE CABLE INTO HH-3.

THIS DRAWING IS LOANED FOR SOLE USE OF THE INTENDED RECIPIENT AND ONLY FOR THE LIMITED PURPOSES FOR WHICH IT WAS PROVIDED. USE BY OTHER ENTITIES OR FOR OTHER PURPOSES IS PROHIBITED AND AT THE USER'S OWN RISK. DRAWINGS ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING RECIPIENT.

PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE
	0	ISSUED FOR CONSTRUCTION	KB		GK		LE	06/2017

REVISION OR ISSUE PURPOSE — REVISION APPROVALS — SQUAD CHECK: WE AR CV ST HV EM FP PD EE IE M NP

RPE: JAMES KEITH LANDRAM, REGISTERED ENGINEER, AGRICULTURE, No. 119939, STATE OF TENNESSEE

DRAWING APPROVALS		DATE
DRW	K BARTLETT	06/16/17
CHKR	B WILKINSON	06/16/17
DE	G KLOSSNER	06/16/17
DVR		
DM	L ELLIS	06/16/17
PE	Teresa J. Pierce, P.E.	

UCOR URS | CH2M Oak Ridge LLC

OF200 Mercury Treatment Facility

Designed by URS|CH2M Oak Ridge LLC (UCOR) for the Department of Energy
Oak Ridge Office of Environmental Management
under U. S. Government contract DE-SC-0004645

Y-12 National Security Complex managed and operated by Consolidated Nuclear Security, LLC for the Department of Energy under U.S. Government contract DE-NA0001942 • Oak Ridge, Tennessee •

PROJECT NAME: OF200 MERCURY TREATMENT FACILITY

ELECTRICAL
HEADWORKS
SITE ELECTRICAL PLAN

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	E	L	L	NC	FAC	AR	E	9410-01	A	U

SH.	OF	TYPE		PART	REV
1	1	DD	E941001-F-0013	000	0

662886

ISSUED FOR CONSTRUCTION

2017\06\23 9:20:02 AM
E941001F-0013.dgn