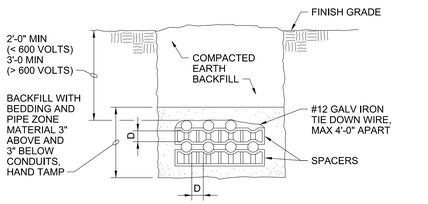


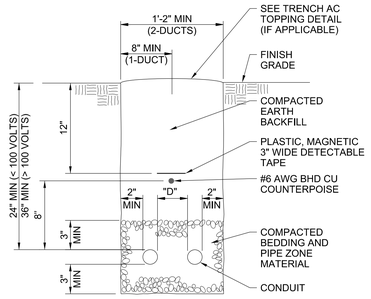
D = 3"MIN FOR 2"-6" CONDUIT

D = 2"MIN FOR <2 INCH CONDUIT

NOTES:
1. INSTALLATION OF DIRECT BURIAL DUCT BANKS WHICH INCLUDE THREE OR MORE CONDUITS OR DUCTS SHALL BE MADE IN ACCORDANCE WITH THIS DETAIL.

UNDERGROUND DIRECT-BURIED CONDUIT
NTS

2605-420

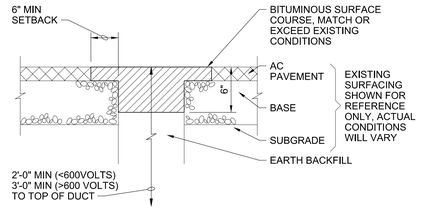


D = 3" MIN FOR 2" AND LARGER CONDUIT

D = 2" MIN FOR 1 1/2" AND SMALLER CONDUIT

TRENCH AND CONDUIT PLACEMENT
NTS

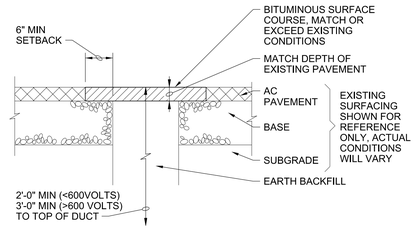
2605-423c



NOTES:
1. TYPICAL FOR EXISTING PAVEMENT AREAS THAT ARE USED BY VEHICLES.

TRAFFIC TRENCH AC TOPPING
NTS

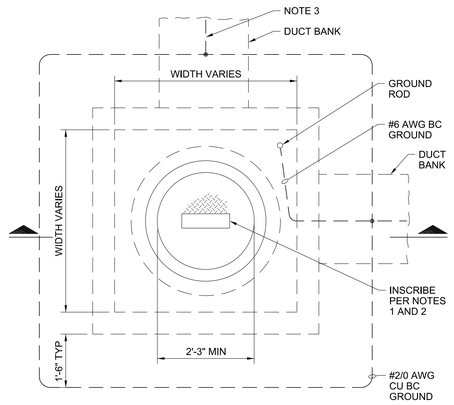
2605-424



NOTES:
1. TYPICAL FOR EXISTING PAVEMENT AREAS THAT ARE NOT USED BY VEHICLES.

NON-TRAFFIC TRENCH AC TOPPING
NTS

2605-425

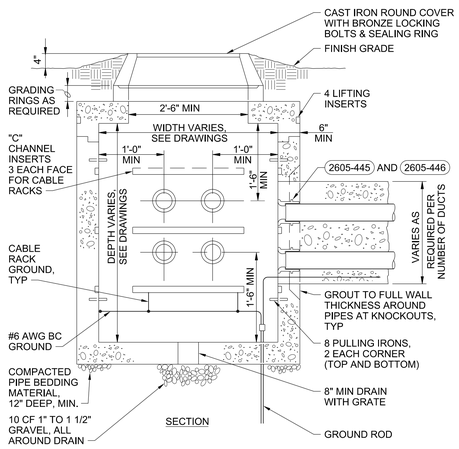


PLAN

NOTES:
1. INSCRIBE "ELECTRICAL HIGH VOLTAGE" IF ANY CIRCUIT IN MANHOLE IS ABOVE 600V.
2. INSCRIBE "ELECTRICAL LOW VOLTAGE" IF ALL CIRCUITS IN MANHOLE ARE 600V OR LESS.
3. INSTALL #2/0 AWG BARE COPPER GROUND CENTERED ON TOP OF ALL DUCT RUNS.

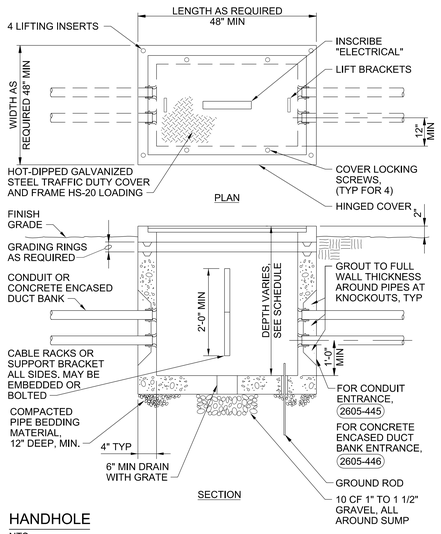
MANHOLE-WITH GROUNDING
NTS

2605-443a



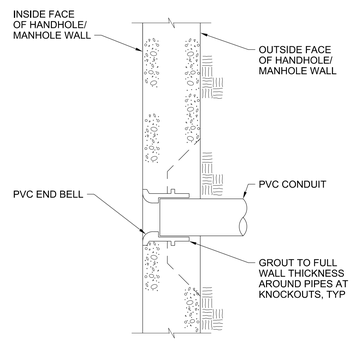
MANHOLE-WITH GROUNDING
NTS

2605-443b



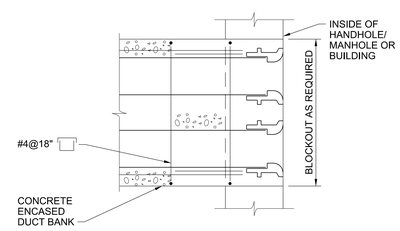
HANDHOLE
NTS

2605-444



CONDUIT HANDHOLE/MANHOLE ENTRANCE
NTS

2605-445



NOTES:
1. EXTEND REBAR A MINIMUM OF 2' BEYOND THE LIMIT OF EXCAVATION.

CONDUIT HANDHOLE/MANHOLE ENTRANCE
NTS

2605-446

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PART	REV	DESCRIPTION	DRW	CHKR	DE	DVR	DM	DATE
	0	ISSUED FOR CONSTRUCTION	RM	BW	JL		LE	06/2017

REVISION OR ISSUE PURPOSE

PE	DATE

REVISION APPROVALS

WE	AR	CV	ST	HV	EM	FP	PD	EE	IE	M	NP

SQUAD CHECK

RPE

JAMES KEITH LANDMAN, REGISTERED ENGINEER, STATE OF TENNESSEE, No. 119028

REV.	DATE

DRAWING APPROVALS

		DATE
DRW	R MARKEN	06/13/17
CHKR	B WILKINSON	06/13/17
DE	J LANDMAN	06/13/17
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

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PROJECT NAME:
OF200 MERCURY TREATMENT FACILITY
ELECTRICAL
STANDARD DETAILS - SHEET 6 OF 10

USE	DISC	DT	DC	CM	SYSTEM	STAT	SIZE	BLDG	FL	CLASS
3	E	Y	K	NC	FAC	AR	E	9410-02	X	U

SH.	OF	TYPE		PART	REV
6	10	DD	E941002-F-0074	000	0

662886

ISSUED FOR CONSTRUCTION

MercuryStation

E941002-F-0074.dgn