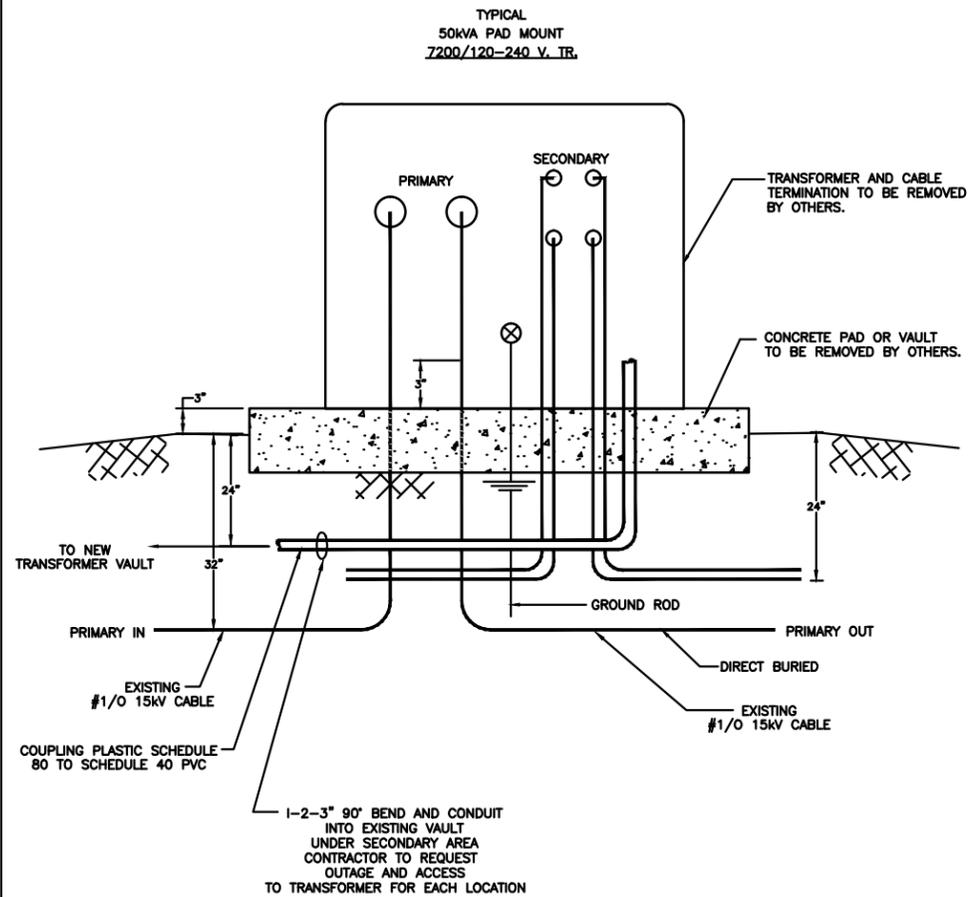


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338/IL 59	2011-035-1	DUPAGE		
FED. ROAD. DIST. NO.		ILLINOIS	CONTRACT 60P42	
		FED. AID PROJECT		

EXISTING TRANSFORMER CONNECTION DETAIL

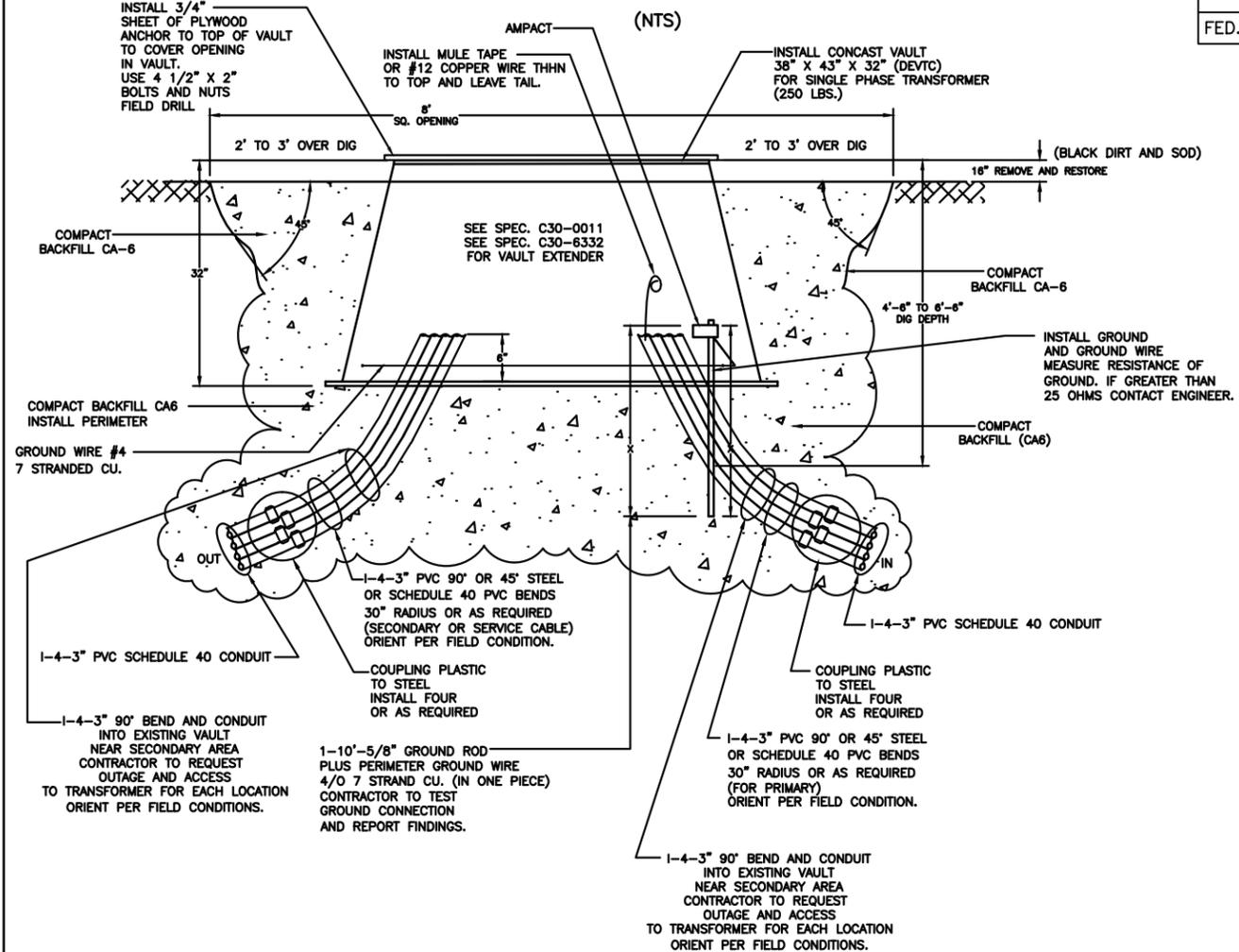


NOTES:

- THIS DRAWING SHOWS AN EXISTING TRANSFORMER WITH CABLE INSTALLED WITH MATERIAL LIST.
- CONTRACTOR TO OBTAIN OUTAGE OF TRANSFORMER PRIOR TO DOING ANY WORK.
- CONTRACTOR TO INSTALL 3", 5" AND 6" CONDUIT INTO EXISTING AS SPECIFIED IN SPECIFICATIONS CAP AND PLUGS ALL CONDUITS.
- ALL GROUNDING CONNECTIONS AND TERMINATORS SHALL BE INSPECTED TO DETERMINE CONDITION OF CONNECTIONS BY THE CONTRACTOR REPORT FINDING.

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	EXISTING TRANSFORMER CONNECTION DETAIL	DATE: 04-04-06 Page 1 of 1 60468-600
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INSTALL NEW TRANSFORMER VAULT (TYPICAL)



NOTES:

- INSTALL 3/4" CUT TO FIT PLYWOOD OVER OPENING HOLD DOWN WITH 4 BOLTS & NUTS 1/2" HOLES. FIELD DRILL VAULT AND POLYWOOD.
- ESTIMATED WEIGHT - 300 LBS.
- VAULT MATERIAL - FIBERCRETE FORMED.
- INSTALL TOP OF VAULT 6" ABOVE FINAL GRADE.
- INSTALL 2 TO 7 (3" DIA) SCHEDULE 40 90° ELBOWS OR 3" DIA GALVANIZED ELBOWS INTO VAULT. CONTACT CITY ELECTRICAL ENGINEER (630) 420-6190 FOR LOCATION OF THE ELBOWS IN THE VAULT AND ORIENTATION OF VAULT.
- INSTALL 1-5/8" DIA. X 10'-0" LONG GROUND RODS FOR EACH VAULT. LOCATE ONE ROD AT A CORNER. INSTALL 6" FROM THE CORNER. GROUND ROD TO BE DRIVEN 6" BELOW FINISHED GRADE.
- INSTALL PERIMETER GROUND WIRE #4/0, 7 STRANDS COPPER AND ATTACH TO ONE ROD. (ONE CONTINUOUS PIECE. APPROXIMATELY 16' OF WIRE).
- CONTRACTOR TO ESTABLISH ELEVATION AND LEVEL.
- CONTRACTOR SHALL SUPPORT AND REROUTE UTILITIES AS REQUIRED.
- CA-6 BACKFILL TO BE PLACED 360° AROUND TRANSFORMER VAULT MINUS SURFACE RESTORATION.
- ALL EXCAVATED MATERIAL TO BE REMOVED OFF SITE.
- BENDS TO BE INSTALLED PER FIELD CONDITIONS.
- CUT HOLE IN VAULT AS REQUIRED TO INSTALL CONDUIT.
- INSTALL PLUG FITTING AND TAPE ON ALL CONDUIT BENDS.
- INSTALL VAULT EXTENDER PER C30-6332 (DEVAE).

NAPERVILLE PUBLIC UTILITIES DEPARTMENT	INSTALL NEW TRANSFORMER VAULT (TYPICAL)	DATE: 04-04-06 Page 1 of 1 60468-610
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PROJECT TITLE				ROUTE 59 ROAD IMPROVEMENTS			
PROJECT DESCRIPTION				DETAILS AND STANDARDS			
ENGINEER	DRAFTING DATE	MAP #	SCALE				
BCC	5-11-12	4211,4212,4223	N.T.S.				
GIS DESIGN BY	DRAFTED BY	AT&T JOINT AGREEMENT #	PROJECT #				
DL	PSM	N/A	EU-12				
CHECKED BY	APPROVED BY	CAD FILE	SHEET #				
		0060648001D153.DWG	53 OF 63				
Naperville			Department of Public Utilities		Electric Division		WORK REQUEST #
							60468