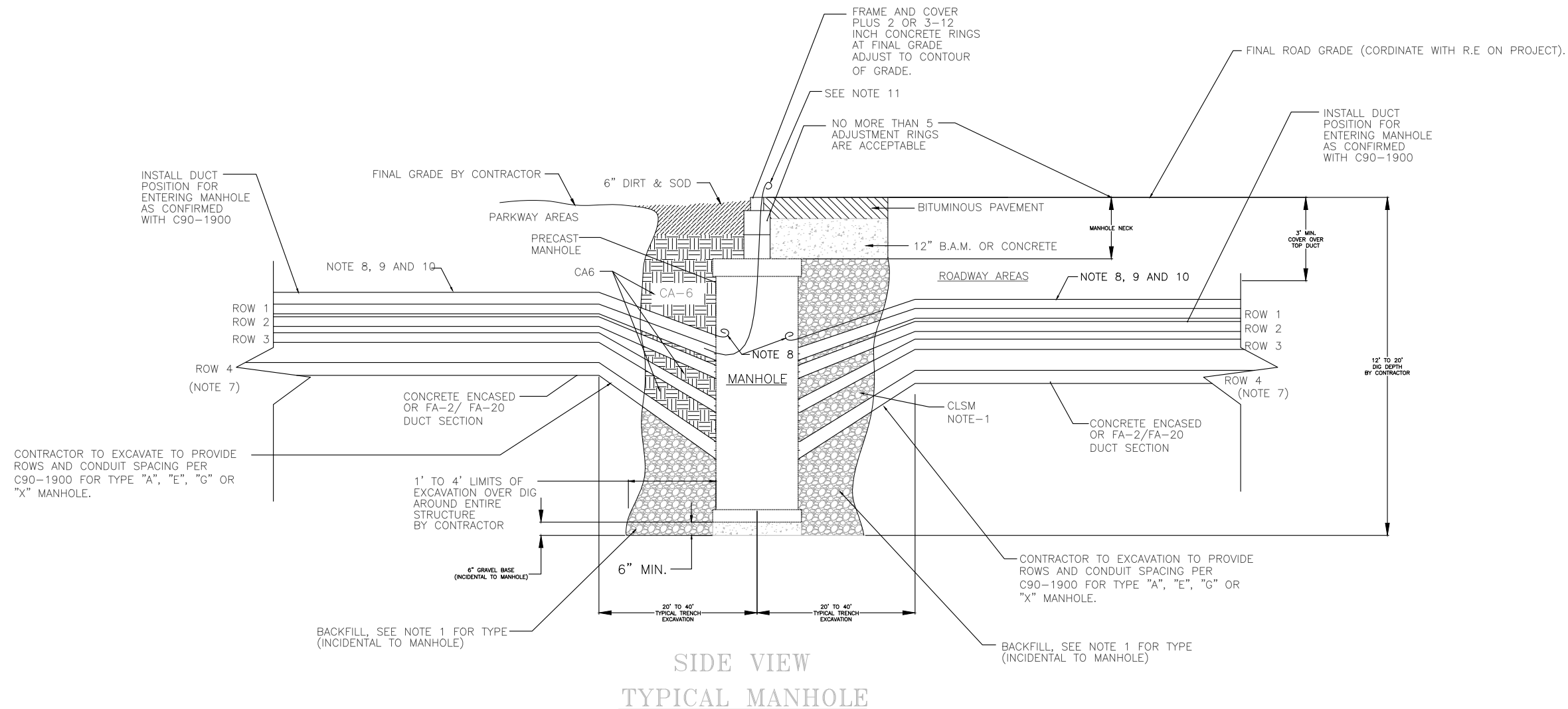


**TYPICAL
EXCAVATION DETAIL
TYPE "A", "E", "G" OR "X" MANHOLE**

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



- NOTE:**
- CA-6 BACKFILL TO BE PLACED 360 DEGREES AROUND MANHOLES TO GRADE. MINUS SURFACE RESTORATION. WHERE MANHOLE IS WITHIN 5' OF ROADWAY, CLSM BACKFILL TO BE USED TO FILL TO TOP OF ROOF OF MANHOLE AND CA-6 BACKFILL TO FILL TO GRADE.
 - SEE MANHOLE DETAIL DRAWINGS FOR DIMENSIONS AND WEIGHT.
 - CONTRACTOR TO ESTABLISH FINAL ELEVATION, LEVEL AND GRADE FOR MANHOLE.
 - MANHOLES DELIVERED TO SITE BY MANUFACTURER. CONTRACTOR TO COORDINATE UNLOAD, STORE AND INSTALL (TAIL GATE DELIVERY BY UCP).
 - CONTRACTOR SHALL SUPPORT AND REROUTE UTILITIES AS REQUIRED.
 - CONTRACTOR SHALL INSTALL CONDUIT INTO MANHOLES PER C30-1900, AND IS PART OF PRICE TO INSTALL MANHOLE.
 - ROWS 5 AND 6 OMITTED FOR CLARITY.
 - ABOUT 20 FEET OF 4/0 BARE COPPER CONDUCTOR FOR TAIL (COUNTER POISE).
 - INSTALL 250 FEET OF 4/0 BARE COPPER CONDUCTOR ABOVE DUCT BANK, COUNTER POISE, IF NEEDED IN 2 DIRECTIONS.
 - CORE DRILL 1 1/2" HOLE THRU WALL OF 6" THICK MANHOLE WALL TO CONNECT COUNTER POISE. IF KNOCK OUTS ARE NOT INSTALLED.
 - INSTALL #12 THIN WIRE (25' AND COIL) FROM MIDDLE DUCT TO MANHOLE COVER, LEAVING 12" TAIL (USED FOR LOCATING).
 - ALL OF THE ABOVE ITEMS AND DETAIL EXCEPT ITEM 9, ARE INCLUDED IN THE COST OF INSTALLING THE MANHOLE.
 - INSTALL MANHOLE PER O.S.H.A REGULATIONS OF LATEST ISSUE.

PROJECT TITLE					ROUTE 59 ROAD IMPROVEMENTS				
PROJECT DESCRIPTION					DETAILS AND STANDARDS				
ENGINEER	DRAFTING DATE	MAP #	SCALE						
BCC	8-04-12	4211,4224	N.T.S.						
GIS DESIGN BY	DRAFTED BY	REVISIONS DATE	AT&T JOINT AGREEMENT #	PROJECT #					
DL	PSM		N/A	EU-12					
CHECKED BY	APPROVED BY	CAD FILE	SHEET #						
		0061123001D15.DWG	15 OF 40						
Naperville			Department of Public Utilities			Electric Division		WORK REQUEST #	
						61123			