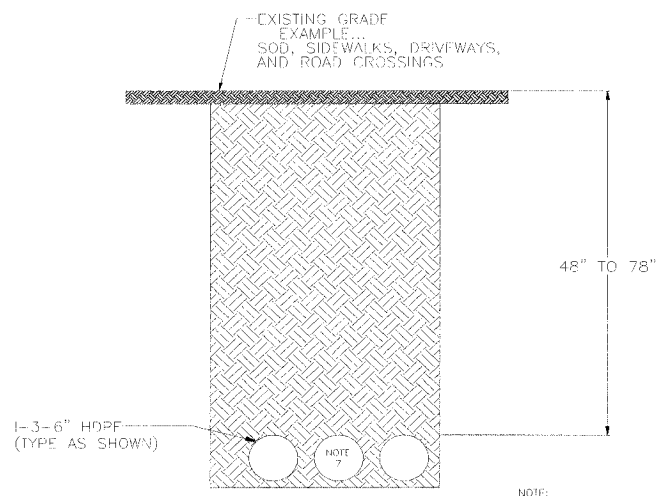


F.A. RTE. 2552	SECTION 00-0014-00-PV	COUNTY DUPAGE	TOTAL SHEETS 563	SHEET NO. 268
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT 63024		

HORIZONTAL DIRECTIONAL DRILLING METHOD 3-6" HDPE

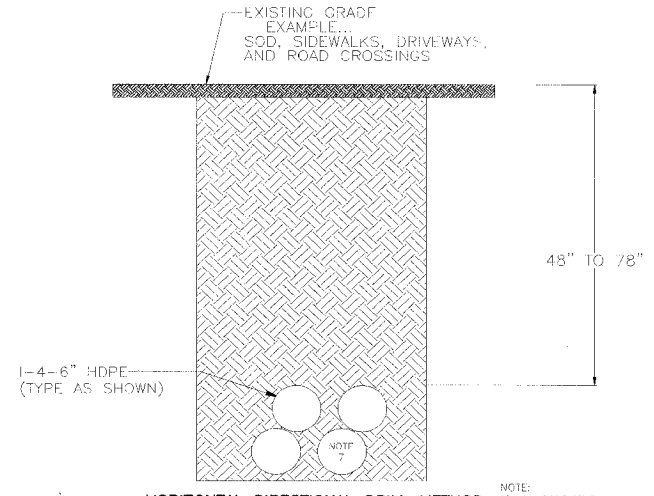


HORIZONTAL DIRECTIONAL DRILL METHOD SECTION UU-UU

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC UTILITIES-ELECTRIC
TYPICAL CONDUIT SECTION UU-UU
75TH STREET
APPROXIMATE LENGTH = 70 FEET. HORIZONTAL DIRECTIONAL DRILL METHOD

- NOTE:
- 1) ALL CONDUIT RUNS ARE ASSEMBLED IN FIELD.
 - 2) INSTALL 1/8" DIA. (PULLING) NYLON ROPE IN EACH DUCT.
 - 3) ALL CABLES BY OTHERS.
 - 4) CONDUIT ALL OTHER MATERIALS INCLUDING GLUE, COUPLINGS AND MANHOLE ENTRANCES FURNISHED BY CITY OF NAPERVILLE AND INSTALLED BY CONTRACTOR.
 - 5) CONTRACTOR TO SUPPLY POLY TO PVC CONNECTOR OR POLY TO STEEL CONNECTOR.
 - 6) INSTALL MULE TAPE OR #12 COPPER WIRE THIN IN THIS DUCT ONLY.
 - 7) CONTRACTOR TO INSTALL PUSH PER C30-1950.

HORIZONTAL DIRECTIONAL DRILLING METHOD 4-6" HDPE

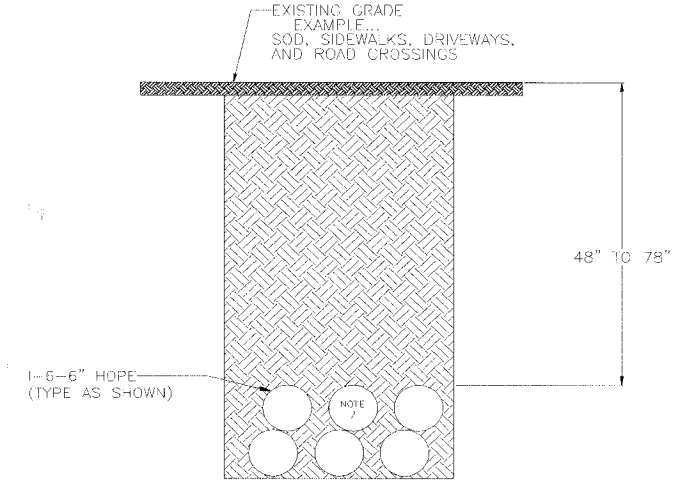


HORIZONTAL DIRECTIONAL DRILL METHOD SECTION XX-XX

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC UTILITIES-ELECTRIC
TYPICAL CONDUIT SECTION XX-XX
75TH STREET
APPROXIMATE LENGTH = 70 FEET. HORIZONTAL DIRECTIONAL DRILL METHOD

- NOTE:
- 1) ALL CONDUIT RUNS ARE ASSEMBLED IN FIELD.
 - 2) INSTALL 1/8" DIA. (PULLING) NYLON ROPE IN EACH DUCT.
 - 3) ALL CABLES BY OTHERS.
 - 4) CONDUIT ALL OTHER MATERIALS INCLUDING GLUE, COUPLINGS AND MANHOLE ENTRANCES FURNISHED BY CITY OF NAPERVILLE AND INSTALLED BY CONTRACTOR.
 - 5) CONTRACTOR TO SUPPLY POLY TO PVC CONNECTOR OR POLY TO STEEL CONNECTOR.
 - 6) INSTALL MULE TAPE OR #12 COPPER WIRE THIN IN THIS DUCT ONLY.
 - 7) CONTRACTOR TO INSTALL PUSH PER C30-1950.

HORIZONTAL DIRECTIONAL DRILLING METHOD 6-6" HDPE

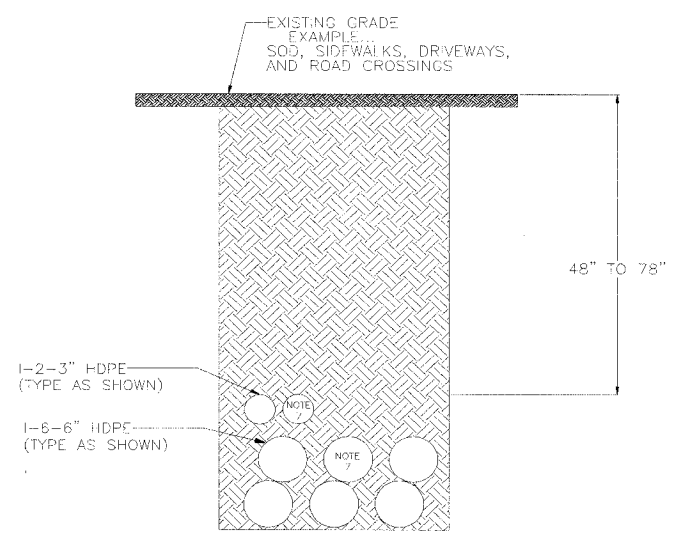


HORIZONTAL DIRECTIONAL DRILL METHOD SECTION YY-YY

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC UTILITIES-ELECTRIC
TYPICAL CONDUIT SECTION YY-YY
75TH STREET
APPROXIMATE LENGTH = 255 FEET. HORIZONTAL DIRECTIONAL DRILL METHOD

- NOTE:
- 1) ALL CONDUIT RUNS ARE ASSEMBLED IN FIELD.
 - 2) INSTALL 1/8" DIA. (PULLING) NYLON ROPE IN EACH DUCT.
 - 3) ALL CABLES BY OTHERS.
 - 4) CONDUIT ALL OTHER MATERIALS INCLUDING GLUE, COUPLINGS AND MANHOLE ENTRANCES FURNISHED BY CITY OF NAPERVILLE AND INSTALLED BY CONTRACTOR.
 - 5) CONTRACTOR TO SUPPLY POLY TO PVC CONNECTOR OR POLY TO STEEL CONNECTOR.
 - 6) INSTALL MULE TAPE OR #12 COPPER WIRE THIN IN THIS DUCT ONLY.
 - 7) CONTRACTOR TO INSTALL PUSH PER C30-1950.

HORIZONTAL DIRECTIONAL DRILLING METHOD 2-3", AND 6-6" HDPE

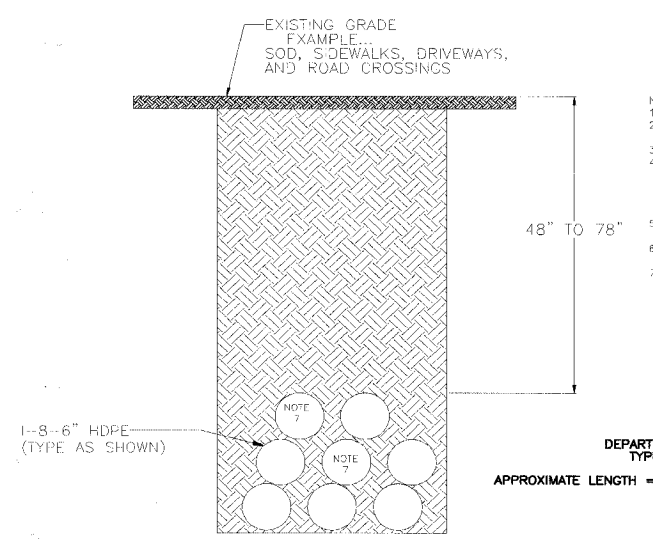


HORIZONTAL DIRECTIONAL DRILL METHOD SECTION AAA-AAA

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC UTILITIES-ELECTRIC
TYPICAL CONDUIT SECTION AAA-AAA
75TH STREET
APPROXIMATE LENGTH = 70 FEET. HORIZONTAL DIRECTIONAL DRILL METHOD

- NOTE:
- 1) ALL CONDUIT RUNS ARE ASSEMBLED IN FIELD.
 - 2) INSTALL 1/8" DIA. (PULLING) NYLON ROPE IN EACH DUCT.
 - 3) ALL CABLES BY OTHERS.
 - 4) CONDUIT ALL OTHER MATERIALS INCLUDING GLUE, COUPLINGS AND MANHOLE ENTRANCES FURNISHED BY CITY OF NAPERVILLE AND INSTALLED BY CONTRACTOR.
 - 5) CONTRACTOR TO SUPPLY POLY TO PVC CONNECTOR OR POLY TO STEEL CONNECTOR.
 - 6) INSTALL MULE TAPE OR #12 COPPER WIRE THIN IN THIS DUCT ONLY.
 - 7) CONTRACTOR TO INSTALL PUSH PER C30-1950.

HORIZONTAL DIRECTIONAL DRILLING METHOD 8-6" HDPE

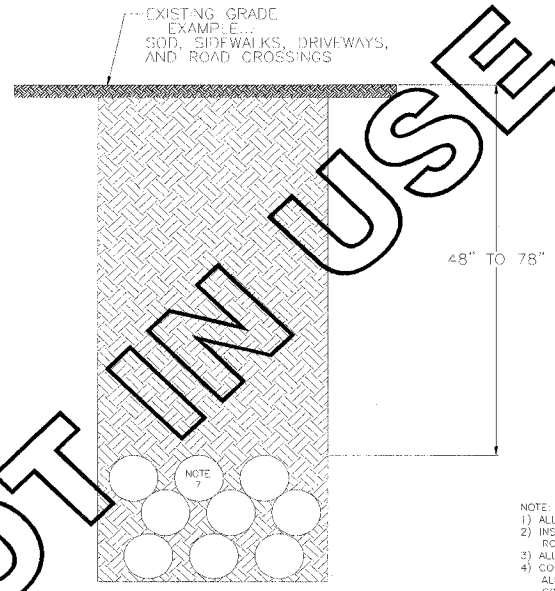


HORIZONTAL DIRECTIONAL DRILL METHOD SECTION BBB-BBB

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC UTILITIES-ELECTRIC
TYPICAL CONDUIT SECTION BBB-BBB
75TH STREET
APPROXIMATE LENGTH = 180 FEET. HORIZONTAL DIRECTIONAL DRILL METHOD

- NOTE:
- 1) ALL CONDUIT RUNS ARE ASSEMBLED IN FIELD.
 - 2) INSTALL 1/8" DIA. (PULLING) NYLON ROPE IN EACH DUCT.
 - 3) ALL CABLES BY OTHERS.
 - 4) CONDUIT ALL OTHER MATERIALS INCLUDING GLUE, COUPLINGS AND MANHOLE ENTRANCES FURNISHED BY CITY OF NAPERVILLE AND INSTALLED BY CONTRACTOR.
 - 5) CONTRACTOR TO SUPPLY POLY TO PVC CONNECTOR OR POLY TO STEEL CONNECTOR.
 - 6) INSTALL MULE TAPE OR #12 COPPER WIRE THIN IN THIS DUCT ONLY.
 - 7) CONTRACTOR TO INSTALL PUSH PER C30-1950.

9-WAY DUCT BANK - 3 HIGH BY 3 WIDE (6" DUCT)



SECTION ZZ-ZZ

CITY OF NAPERVILLE
DEPARTMENT OF PUBLIC UTILITIES-ELECTRIC
TYPICAL CONDUIT SECTION MM-MM
75TH STREET
APPROXIMATE LENGTH = ? FEET. HORIZONTAL DIRECTIONAL DRILL METHOD

- NOTE:
- 1) ALL CONDUIT RUNS ARE ASSEMBLED IN FIELD.
 - 2) INSTALL 1/8" DIA. (PULLING) NYLON ROPE IN EACH DUCT.
 - 3) ALL CABLES BY OTHERS.
 - 4) CONDUIT ALL OTHER MATERIALS INCLUDING GLUE, COUPLINGS AND MANHOLE ENTRANCES FURNISHED BY CITY OF NAPERVILLE AND INSTALLED BY CONTRACTOR.
 - 5) CONTRACTOR TO SUPPLY POLY TO PVC CONNECTOR OR POLY TO STEEL CONNECTOR.
 - 6) INSTALL MULE TAPE OR #12 COPPER WIRE THIN IN THIS DUCT ONLY.
 - 7) CONTRACTOR TO INSTALL PUSH PER C30-1950.

NOT IN USE

WF# INFORMATION		CITY OF NAPERVILLE/DEPARTMENT OF PUBLIC UTILITIES - ELECTRIC			
WF# 59481 WASHINGTON ST. 75TH TO OLYMPUS DR. EAST SIDE	JOB 1 EU-73	CALL J.U.L.I.E. 48 HRS. PRIOR TO CONSTRUCTION			
WF# 59482 75TH WASHINGTON ST. TO OLYMPUS DR. NORTH SIDE	JOB 2 EU-73	PROJECT TITLE 75TH ST. AND WASHINGTON ST. ROAD IMPROVEMENTS	MAP NO.:	CAD FILE:	005627001D27.DWG
WF# 59484 75TH WASHINGTON ST. TO CLYDE DR. SOUTH SIDE	JOB 3 EU-73	PROJECT DESCRIPTION TRENCH SECTION DETAILS	DRAWN BY: JK, PM	PROJECT NO.:	EU12-06-03
WF# 59485 WASHINGTON ST. 75TH TO BAILEY RD. EAST SIDE	JOB 4 EU-73	DATE 4-01	ISSUED	WORK REQUEST NO.:	56270
		ENGINEER	RPS	SCALE:	NTS
		REVISION		SHEET	27 OF 73