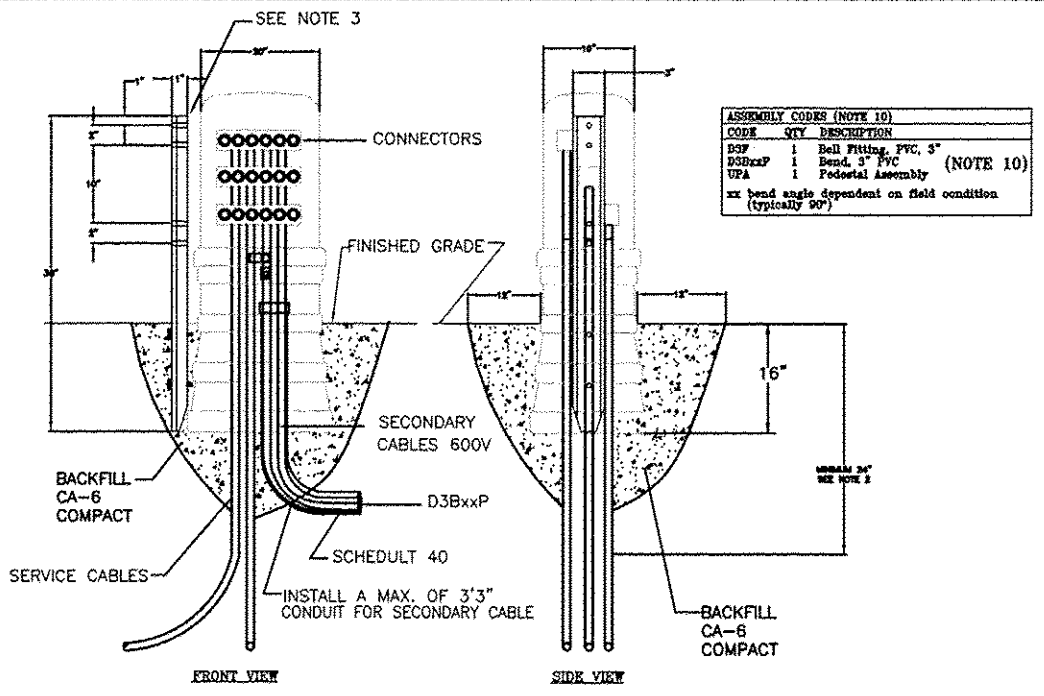


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338/IL 59	2011-035-1	DUPAGE		
FED. ROAD DIST. NO.			CONTRACT 60P42	
ILLINOIS			FED. AID PROJECT	



DnBxxP: BEND, PVC

Assembly	Item Code	Description 1	Description 2	Qty
D3B30P	285 101 00025	ELBOW, PVC 30 DEG 3"	STANDARD RADIUS SCH 40	1
D3B45P	285 101 00030	ELBOW, 36" R PVC 45 DEG 3"	SCH 40	1
D3B90P	285 101 00040	ELBOW, 36" R PVC 90 DEG 3"	SCH 40	1
D5B30P	285 101 00080	ELBOW, 36" R PVC 30 DEG 5"	SCH 40	1
D5B45P	285 101 00090	ELBOW, 36" R PVC 45 DEG 5"	SCH 40	1
D5B90P	285 101 00100	ELBOW, 36" R PVC 90 DEG 5"	SCH 40	1
D6B30P	285 101 00220	ELBOW, 48" R PVC 30 DEG 6"	SCH 40	1
D6B45P	285 101 00230	ELBOW, 48" R PVC 45 DEG 6"	SCH 40	1
D6B90P	285 101 00240	ELBOW, 48" R PVC 90 DEG 6"	SCH 40	1

DnF: BELL FITTING, PVC

Item Code	Description 1	Description 2	D3F Qty	D5F Qty	D6F Qty
285 103 00040	BELL FITTING, PVC 3"	SCH 40 & SCH 80	1		
285 103 00080	BELL FITTING, PVC 5"	SCH 40 & SCH 80		1	
285 103 00100	BELL FITTING, PVC 6"	SCH 40 & SCH 80			1

UPA: PEDESTAL ASSEMBLY

Item Code	Description 1	Description 2	UP			
			A Qty	S6 Qty	C Qty	CC Qty
284 105 00010	PEDESTAL, SECONDARY UPRGT	HDPE RECT. 10"X14"X41"	1	1		
284 106 00040	CONNECTOR, 6 COND, 10-350	1 EA	3		1	
284 106 00050	COVER, FOR 6 COND 10-350	EPDM	2			1

- NOTES:
- ALL CABLES MUST BE TAGGED TO PROVIDE POSITIVE IDENTIFICATION.
 - THE CABLE MUST BE PROTECTED BY THE FOOTPRINT OF THE PEDESTAL FOR A MINIMUM OF 24". IF AN EXCEPTION HAS TO BE MADE, THE CABLE MUST BE PROTECTED INSIDE OF CONDUIT.
 - SECONDARY PEDESTAL POST IS FOR JOINT LOCATIONS WITH AMERITECH ONLY.
 - BENDS SHALL BE INSTALLED PER FIELD CONDITION.
 - ALL CONDUIT SHALL BE PLUGGED.
 - THIS DRAWING SHOWS AN EXISTING PEDESTAL WITH CABLE INSTALLED WITH MATERIAL LIST ON RIGHT.
 - CONTRACTOR TO OBTAIN OUTAGE OF PEDESTAL PRIOR TO DOING ANY WORK.
 - CONTRACTOR TO INSTALL 3", 5" AND 6" CONDUIT INTO EXISTING OR NEW PEDESTAL 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.
 - CONTRACTOR TO INSTALL PEDESTAL, EXCAVATION CONDUIT, CONDUIT BENDS AND FITTINGS FOR A COMPLETE JOB.
 - GROUNDING BY OTHERS.

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NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS	SECONDARY PEDESTAL	DATE: 03-17-04 Page 2 of 2 030-2020
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1. SCOPE

This specification covers the manufacture and delivery of Large Radius Rigid Steel Conduit Galvanized Elbows.

2. STANDARDS

The steel elbows shall be manufactured and tested in accordance with the latest applicable standards of Underwriters Laboratory (UL 6), ANSI C90-1, and NEC 2002 - Article 344.

3. TECHNICAL REQUIREMENTS

3.1 Material

The elbows shall be manufactured from rigid galvanized steel conduit and conform to the most recent UL specifications.

3.2 Specifications

SIZE (INCHES)	RADIUS (INCHES)	DEGREES BEND	TANGENT (INCHES)*	NOM WT (LBS)	ARC LENGTH (INCHES)	MATERIAL ID
2"	36"	45°	11" ± 1	16	28.28"	N/A
2"	36"	90°	11" ± 1	18	56.57"	N/A
3"	15"	90°	9" ± 1/2	22	23.57"	285 101 00130
3"	30"	90°	11" ± 1	42	47.14"	285 101 00140
5"	36"	30°	11" ± 1	73	18.85"	285 101 00160
5"	36"	45°	11" ± 1	77	28.28"	285 101 00170
5"	36"	90°	11" ± 1	91	56.57"	285 101 00180
6"	48"	11°	12" ± 1	112	9.43"	285 101 00186
6"	48"	22.5°	12" ± 1	118	18.85"	285 101 00188
6"	48"	30°	12" ± 1	122	25.14"	285 101 00190
6"	48"	45°	12" ± 1	129	37.71"	285 101 00200
6"	48"	90°	12" ± 1	152	75.43"	285 101 00210

*Tangent length shall be the same on both ends of the elbow.

4. SHIPPING

4.1 Size

The rigid steel galvanized elbows shall be shipped in palletized cartons or on pallets. Pallets shall be non-returnable and any associated costs shall be included in the quoted price of the steel elbows. All galvanized items shall have a total skid weight of less than 3000 pounds. Each layer shall have at least three (3) 2" X 4" as dividers for layer support and improved handling characteristics. The top layer shall be level dependent on the quantity ordered.

4.2 Capping

Plastic open-end thread protector caps to prevent the entrance of dirt and/or moisture shall be supplied to the open thread end of each rigid steel elbow.

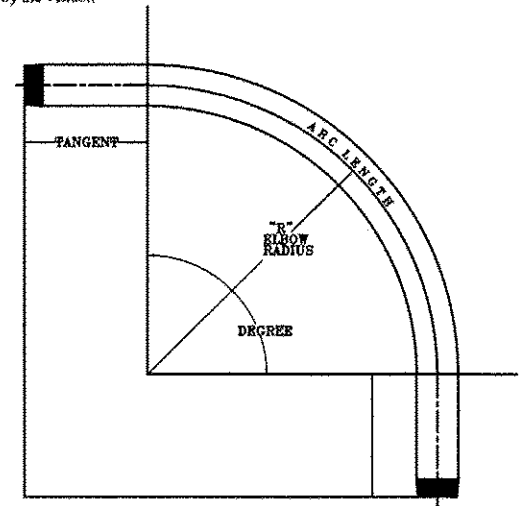
NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS	LARGE RADIUS RIGID STEEL CONDUIT GALVANIZED ELBOWS	DATE: 01-16-05 Page 1 of 2 030-1550
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4.3 Identification

Rigid Steel Elbows shall have a durable label securely attached (or have a permanent stencil) on the elbows with the following information: Manufacturer's identification, radius, size, theoretical tangent length and degrees bend, P.O. number, shipping length of elbow, and year of manufacture.

5. DELIVERY

All pallets shall be shipped on a flat-bed trailer when the load requires. Pallets shall not be double stacked for shipment. There shall be no mixture of items on each pallet. The City shall be notified by telephone (630-420-6186) at least 24 hours prior to delivery of the pallets. Pallets shall be unloaded by the City between 8:00 a.m. and 3:30 p.m. on weekdays only, holidays excluded. Additional shipping costs resulting from failure to provide the 24 hour notice or from delivery of goods outside the specified times shall be paid by the vendor.



NAPERVILLE PUBLIC UTILITIES DEPARTMENT ELECTRIC STANDARDS	LARGE RADIUS RIGID STEEL CONDUIT GALVANIZED ELBOWS	DATE: 01-16-05 Page 2 of 2 030-1550
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PROJECT TITLE ROUTE 59 ROAD IMPROVEMENTS			
PROJECT DESCRIPTION DETAILS AND STANDARDS			
ENGINEER BCC	DRAWING DATE 5-11-12	MAP # 4211.4212.4223	SCALE N.T.S.
DESIGN BY DL	DRAWN BY PSM	ALAY JOINT AGREEMENT # N/A	PROJECT # EU-12
CHECKED BY	APPROVED BY	CAD FILE 00605480010137.DWG	SHEET # 37 OF 63
Naperville		Department of Public Utilities Electric Division	
		WORK REQUEST # 60468	