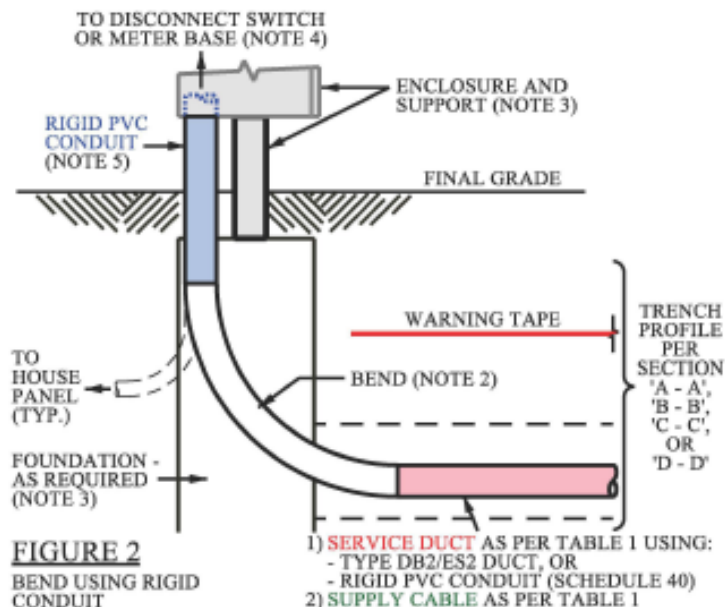
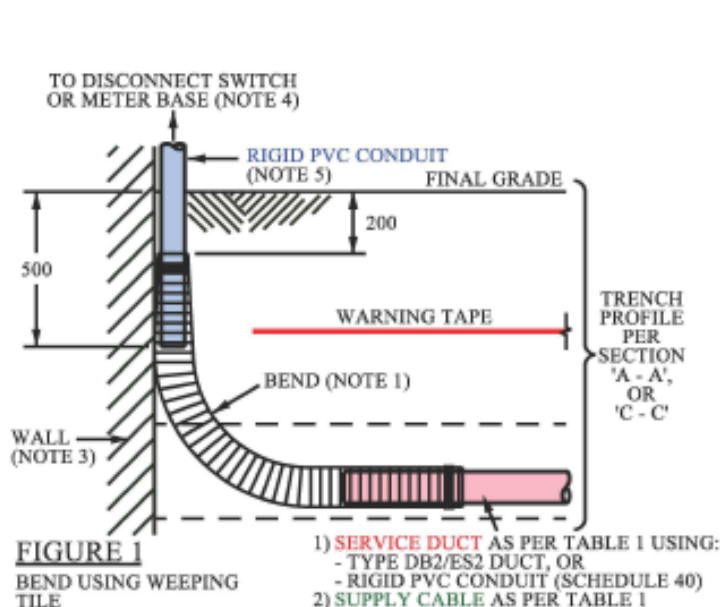




NOTES:

- THE BEND SHALL BE MADE OF 4" WEEPING TILES IF THE TRENCH IS CONSISTS OF SUPPLY SERVICE DUCT LAID IN SAND AND COVERED WITH CLEAN BACKFILL AS PER FIGURE 1.
- USE RIGID PVC CONDUIT (MINIMUM 36" ELBOW) AS PER FIGURE 2 OR DETAIL 1 (PAGE 2) IF THE SUPPLY SERVICE DUCT IS CONCRETE ENCASED C/W APPROPRIATE TRANSITION ADAPTER FROM RIGID CONDUIT TO DB2/ES2 DUCT.
- THE FOUNDATION, ENCLOSURE, SUPPORT AND/OR WALL SHALL BE BUILT IN ACCORDANCE TO THE LATEST BUILDING CODE. OWNER/BUILDER SHALL BE FULLY RESPONSIBLE FOR THE STRUCTURAL DESIGN AND STABILITY OF THE FOUNDATION, ENCLOSURE, SUPPORT AND/OR WALL.
- METERING INSTALLATION STANDARDS AS INDICATED IN TABLE 1.
- THE RIGID PVC CONDUIT SIZE AS PER TABLE 1. A REDUCER COUPLING MAY BE REQUIRED TO SUIT MAXIMUM KNOCKOUT HOLE OF APPROVED MAIN DISCONNECT OR METER BASE.
- THE JUNCTION BOX SHALL BE A MIN. N.E.M.A. 3R RATED STAINLESS STEEL ENCLOSURE AND SIZED AS PER TABLE 1 BELOW. REFER TO ALECTRA STD. 25-2064.

TABLE 1

SERVICE SIZE	RIGID PVC CONDUIT	SERVICE DUCT (MIN.)	SUPPLY SERVICE CABLE		JUNCTION BOX	CABLE LENGTH (m) / SERVICE PROTECTION		METERING STANDARDS
			# OF CABLE AND SIZE ++	# OF CABLE / DUCT		80% **	100% **	
200 A, 1-PHASE 120/240 V	2.5"	4"	3C - 3/0 AWG AL, TRIPLEX, 600 V (USE190, ITEM #160007)	1 TRIPLEX / DUCT (1 DUCT REQ'D)	-	100	-	20-0030 20-0040 20-0060 20-0070 20-0080
	3"	4"	3C - 250 kCMIL AL, SINGLE, 1000 V (RWU90, ITEM #160012)	3 SINGLES / DUCT (1 DUCT REQ'D)	-	135	110	20-0130 20-0140 20-0150 20-0160 20-0170 20-0180
200 A, 3-PHASE 347/600 V *	3"	4"	4C - 250 kCMIL AL, SINGLE, 1000 V (RWU90, ITEM #160012)	4 SINGLES / DUCT (1 DUCT REQ'D)	-	330	260	20-0210 20-0211 20-0220 20-0230 20-0360
	4"	4"	3C - 500 kCMIL AL, SINGLE, 1000 V (RWU90, ITEM #160134)	3 SINGLES / DUCT (1 DUCT REQ'D)	-	100	-	20-0210 20-0211 20-0220 20-0230 20-0360
	4"	4"	3C - 500 kCMIL CU, SINGLE, 1000 V (RWU90, ITEM #160013)	3 SINGLES / DUCT (1 DUCT REQ'D)	-	135	110	20-0210 20-0211 20-0220 20-0230 20-0360
400 A, 1-PHASE 120/240 V	2 x 4"	2 x 4"	2 SETS OF 3C - 500 kCMIL AL, SINGLE, 1000 V (RWU90, ITEM #160134)	3 SINGLES / DUCT (2 DUCTS REQ'D)	36"x36"x12" (NOTE 6)	200	160	20-0210
	4"	4"	4C - 500 kCMIL CU, SINGLE, 1000 V (RWU90, ITEM #160013)	4 SINGLES / DUCT (1 DUCT REQ'D)	-	390	-	20-0240 (400 A ONLY)*
	2 x 4"	2 x 4"	2 SETS OF 4C - 500 kCMIL AL, SINGLE, 1000 V (RWU90, ITEM #160134)	4 SINGLES / DUCT (2 DUCTS REQ'D)	36"x36"x12" (NOTE 6)	570	460	20-0240 (400 A ONLY)*
400 A, 3-PHASE, 347/600 V *	4"	4"	3C - 750 kCMIL CU, SINGLE, 1000 V (RWU90, ITEM #160014)	3 SINGLES / DUCT (1 DUCT REQ'D)	-	110	-	20-0250 20-0360
	2 x 4"	2 x 4"	2 SETS OF 3C - 750 kCMIL AL, SINGLE, 1000 V (RWU90, ITEM #160125)	3 SINGLES / DUCT (2 DUCTS REQ'D)	36"x36"x12" (NOTE 6)	170	140	20-0250 (REQUIRES JUNCTION BOX)
	2 x 4"	2 x 4"	2 SETS OF 3C - 500 kCMIL AL, SINGLE, 1000 V (RWU90, ITEM #160134)	3 SINGLES / DUCT (2 DUCTS REQ'D)	36"x36"x12" (NOTE 6)	130	100	20-0360 (JUNCTION BOX NOT REQUIRED)
	2 x 4"	2 x 4"	2 SETS OF 3C - 500 kCMIL CU, SINGLE, 1000 V (RWU90, ITEM #160013)	3 SINGLES / DUCT (2 DUCTS REQ'D)	36"x36"x12" (NOTE 6)	180	140	20-0360 (JUNCTION BOX NOT REQUIRED)

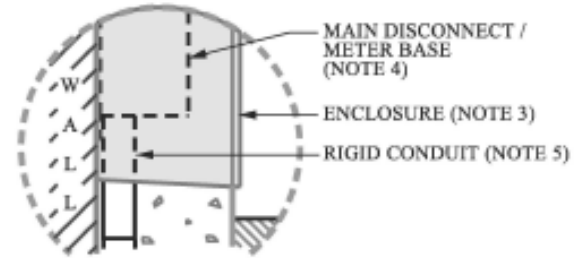
* - LIMITED TO 400 A, 3-PHASE, 347/600 V WHEN SUPPLIED FROM O/H TRANSFORMER AS PER APPENDIX 5.2 OF ALECTRA'S CONDITIONS OF SERVICE
** - SEE NOTE 7 ++ - REFER TO ALECTRA STD. 2-3309 FOR COMPRESSION LUGS TO BE UTILIZED ON THESE CONDUCTOR SIZES.

NOTES (CONT'D):

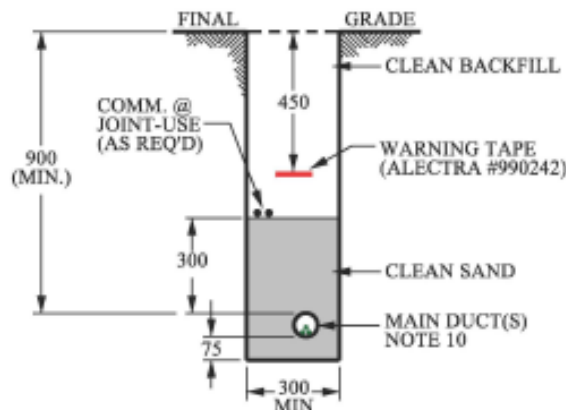
7. REFER TO ALECTRA [STD. 20-0005](#) FOR LABEL INSTALLATION WHERE IT SHOWS APPROPRIATE CONDUCTOR CONTINUOUS CURRENT RATINGS.
8. FOR SECONDARY SERVICE ARRANGEMENT, REFER TO LEGACY STANDARDS ISSUED PER REGION. FOR 'N/A', REFER TO REGION'S LEGACY PRACTICES.

HOUSE TYPE	EAST	CENTRAL - NORTH	CENTRAL - SOUTH	SOUTH WEST	WEST
DETACHED/SEMI-DETACHED HOUSES	PS STD. 17-100/17-100A	BH STD. 25-110	EHM STD. 25U-205	12-1008106-STD	HUC STD. 25U-205
TOWNHOUSES	N/A	N/A	EHM STD. 25U-208	N/A	HUC STD. 25U-208

9. NO SPLICES SHALL BE MADE ON SERVICE CABLES FOR CONDOMINIUM / FREEHOLD TOWNHOUSES WHERE DUCTS ARE LAID FROM THE TRANSFORMER FOUNDATION TO THE METER LOCATION INSIDE THE PROPERTY.
10. THE SERVICE DUCT(S), IN JOINT-USE TRENCH WITH COMMUNICATION, SHALL NOT BE POSITIONED VERTICALLY STRAIGHT BELOW COMMUNICATION (SEE SECTION 'A-A', 'B-B', 'C-C' OR 'D-D').
11. THIS ALECTRA STANDARD DRAWING SUPERSEDES IDENTICAL DRAWING ISSUED PER LEGACY/REGIONAL STANDARDS.

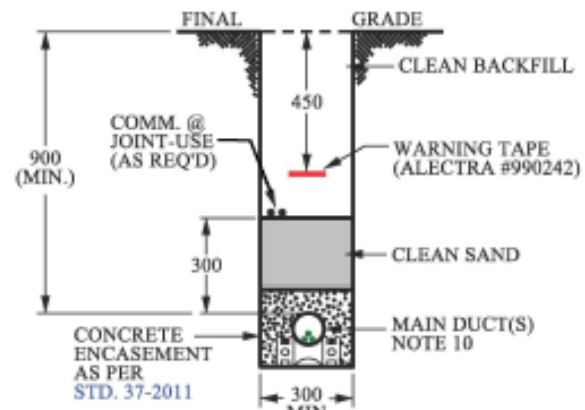


DETAIL 1

(REF. ALECTRA [STD. 20-0360](#))

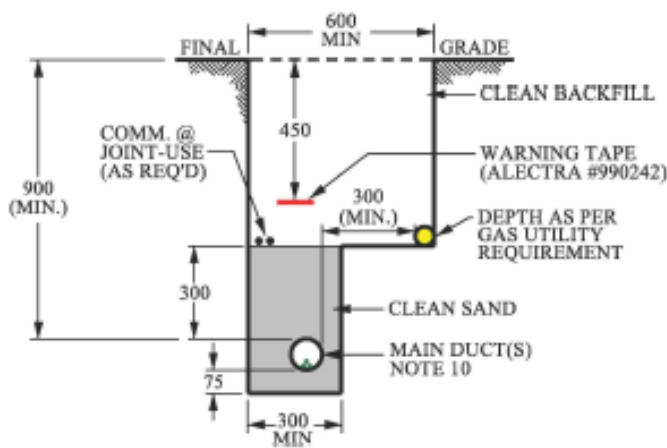
SECTION 'A-A'

TYPICAL SERVICE TRENCH SECTION (DIRECT BURIED DUCT)
1. MUNICIPAL SUBDIVISION (DETACHED AND SEMI-DETACHED)
2. FREEHOLD TOWNHOUSES



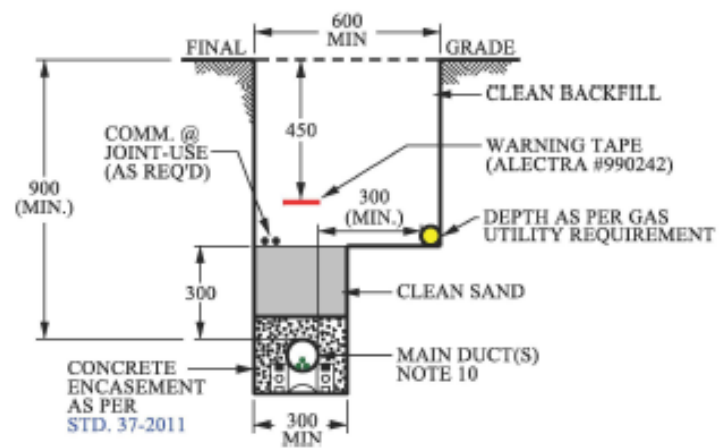
SECTION 'B-B'

TYPICAL SERVICE TRENCH SECTION (CONCRETE ENCASED DUCT)
1. CONDOMINIUM / PRIVATE DEVELOPMENT
2. UNDER DRIVEWAY OR PAVED WALKWAY



SECTION 'C-C'

TYPICAL SERVICE TRENCH SECTION (DIRECT BURIED DUCT W/ GAS)
1. MUNICIPAL SUBDIVISION (DETACHED AND SEMI-DETACHED)
2. FREEHOLD TOWNHOUSES



SECTION 'D-D'

TYPICAL SERVICE TRENCH SECTION (CONCRETE ENCASED DUCT W/ GAS)
1. CONDOMINIUM / PRIVATE DEVELOPMENT
2. UNDER DRIVEWAY OR PAVED WALKWAY