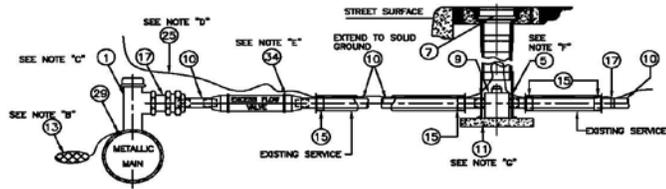
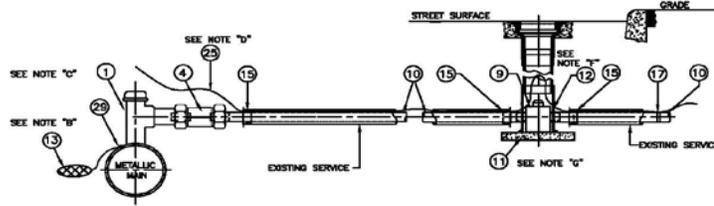


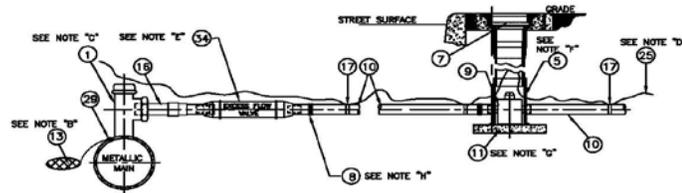
1.01 E.O. 16641-A	
REVISIONS	
M. BALDWIN LOADS	2
REDRAWN BY CAD. UPDATED DWG. REVISED NOTES. ADDED SHEET #4 OF 4	
RAJ 5/16/06	
M. BALDWIN 7/27/06	3
REVISED DWG AND NOTES	
CP 6/23/06	
M. BALDWIN 6/22/11	4
REVISED DRAWING AND NOTES	
D.W. 8/22/11	



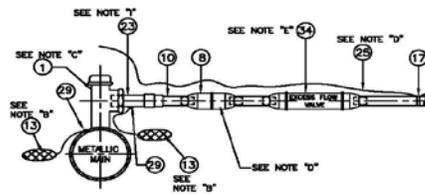
RECOMMENDED INSERTION INSTALLATION



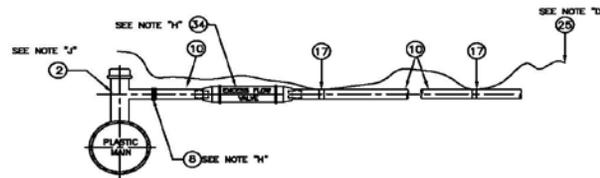
ALTERNATE INSTALLATION OF CURB VALVE FOR SERVICE RENEWALS BY REAMING THROUGH THE EXISTING CURB VALVE (SEE NOTE D)



RECOMMENDED DIRECT BURIAL INSTALLATION



ALTERNATE TEE CONNECTION



TYPICAL HP DIRECT BURIAL INSTALLATION

SEE ADDITIONAL SHEETS 2 OF 4 OF THIS DRAWING # EO-16641-A INSTALLATION OF PLASTIC (DIRECT BURIAL OR INSERTION) GAS SERVICE PIPING AND SHEETS 3 & 4 FOR BILL OF MATERIALS.

INSTALLATION OF PLASTIC (DIRECT BURIAL OR INSERTION) GAS SERVICE PIPING

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
GAS ENGINEERING DEPT

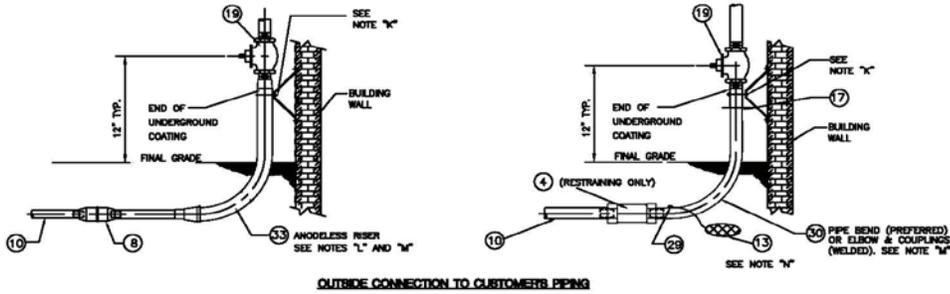
DATE 2/8/84 DWG. NO. **EO-16641-A** REV. **4**
LAST REV. 8/22/11 SHEET 1 OF 4

CONST. STOPS.
VOLUME 2

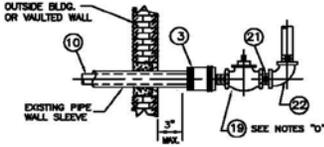
1-30 7 1086 7-1-1089-18

REVISIONS

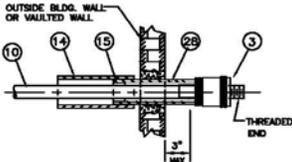
M. BALDWIN B. DMS.	2
REDRAWN BY CAD UPDATED DRAWING REVISED NOTES. ADDED SHEET #4 OF 4	
RAJ. 5/18/06	
M. BALDWIN 7/27/06	3
UPDATED DRAWING REVISED NOTES.	
C.P. 6/26/06	
M. BALDWIN 8/22/11	4
UPDATED DRAWING REVISED NOTES.	
D.J. 6/22/11	



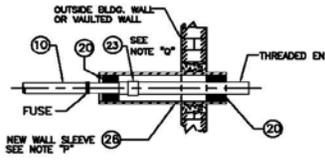
OUTSIDE CONNECTION TO CUSTOMERS PIPING



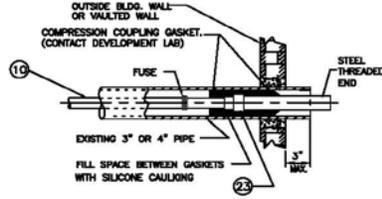
INSIDE CONNECTION TO CUSTOMERS PIPING



INDOOR SERVICE HEAD ADAPTER WITH NEW WALL SLEEVE UP TO 2" PE SERVICE



ALTERNATE CONNECTION TO CUSTOMERS PIPING



INSERTION OF 2" PLASTIC INTO 2" STEEL PIPE OR 2" PLASTIC INTO 4" STEEL PIPE

NOTES:

- A - ALL CUSTOMER'S WORK SHALL CONFORM TO THE "REQUIREMENTS FOR GAS SERVICE INSTALLATIONS" BOOK AND ALL LOCAL CODE REQUIREMENTS.
- B - REFER TO G-8205 FOR MAGNESIUM ANODE INSTALLATION REQUIREMENTS ON UNPROTECTED STEEL GAS MAINS AND METALLIC FITTINGS.
- C - REFER TO G-8100 FOR INSTALLATION REQUIREMENTS OF SERVICE TEES ON PLASTIC MAINS. FOR LIVE 1 1/4" IPS PLASTIC MAINS, SERVICE TEE SHALL ONLY BE CONNECTED VIA ELECTROFUSION OF APPROVED MECHANICAL TEE. DO NOT SIDEWALL FUSE ON A LIVE 1 1/4" IPS PLASTIC MAIN. FOR DEAD 1 1/4" IPS PLASTIC MAINS, SERVICE TEES MAY BE CONNECTED VIA SIDEWALL FUSION, ELECTROFUSION, OR APPROVED MECHANICAL TEE.
- D - REFER TO G-8100 FOR TRACER WIRE INSTALLATION REQUIREMENTS ON DIRECT BURIED PLASTIC SERVICES, TRENCHLESS TECHNOLOGY AND INSERTED SERVICES.
- E - REFER TO G-8100 FOR EXCESS FLOW VALVE (EFV) INSTALL REQUIREMENTS. PREFERRED METHOD OF INSTALLATION IS EFV WITH STAB ENDS INTO STAB END ADAPTER ON TEE.
- F - PLASTIC CURB VALVE BOX (ITEM 5) SHALL BE USED IN SIDEWALK AND NON-PAVED AREAS; CAST IRON CURB BOX (ITEM 13) SHALL BE USED IN THE STREET.
- G - SUPPORT THE CURB VALVE BOX (ITEM 12) WITH PRE-CAST BASE (ITEM 11) OR BRICKS (ITEM 27). ENTIRE ASSEMBLY SHOULD BE ON WELL COMPACTED SOIL.
- H - REFER TO G-8100 FOR THE INSTALLATION OF PLASTIC MOLDED FITTINGS REQUIREMENTS. PLASTIC MOLDED FITTINGS CAN NEVER BE JOINED TO PLASTIC PIPE/TUBING OR OTHER MOLDED FITTINGS BY MECHANICAL FITTINGS.
- I - REFER TO G-8100 FOR INSTALLATION REQUIREMENTS OF TRANSITION FITTINGS.
- J - REFER TO G-8100 AND EO-16645-B FOR INSTALLATION REQUIREMENTS OF SERVICE CONNECTIONS TO MAINS.
- K - RISER SUPPORT TO BE INSULATED FROM PIPE WITH NEOPRENE (OR EQUIVALENT) WRAPPED AROUND PIPE.
- L - IPS PLASTIC PIPE CONNECTIONS SHALL BE BUTT FUSED WHENEVER POSSIBLE. FOR CTS PLASTIC PIPE CONNECTIONS, USE PERMASERT COUPLINGS (ITEM 8). COUPLINGS UP TO AND INCLUDING 12" SHALL ONLY BE A RESTRAINING-TYPE.
- M - REFER TO G-8100 FOR INSTALLATION REQUIREMENTS OF GAS SERVICES THAT ENTER A BUILDING THROUGH THE FLOOR; GAS SERVICES INSERTED/INSTALLED UNDER AN ENCLOSED LIVING SPACE; GAS SERVICES INSTALLED THROUGH A SUBSURFACE VAULT OR OPEN AREAWAY; GAS SERVICES INSTALLED IN AN OPEN AREA UNDERNEATH AN OUTSIDE STAIRCASE. SEE EO-16546-B, EO-4890-B, G-8096.
- N - REFER TO G-8205 FOR MAGNESIUM ANODE INSTALLATION REQUIREMENTS ON PIPE BEND AND COUPLINGS; ANODE NOT REQUIRED FOR ANODELESS RISER INSTALLATION.
- O - REFER TO G-8100 FOR SERVICE HEAD VALVE (S/H/V) INSTALLATION REQUIREMENTS.
- P - REFER TO G-8096 FOR ANNULAR SPACE SEALING REQUIREMENTS. USE TRANSITION FITTING FOR ≥1 1/4" IPS PLASTIC PIPE AND INSTALL LINK SEAL (ITEM 20). FOR 3/4" CTS - 1 1/4" CTS/IPS PLASTIC PIPE, EXTEND PLASTIC THROUGH A THREADED STEEL WALL SLEEVE (ITEM 26) AND SEAL THE ANNULAR SPACE INSIDE THE BUILDING BY INSTALLING SERVICE HEAD VALVE ADAPTER (ITEM 3). THE OUTSIDE ANNULAR SPACE SHALL BE SEALED BY USING 3M COLD SHRINK OR "SLIPSEALS" (ITEM 20).
- Q - FOR IPS PLASTIC PIPE, USE TRANSITION FITTING (ITEM 23). FOR CTS PLASTIC PIPE, USE STAB END ADAPTER (ITEM 16) AND PVC SLEEVE (ITEM 14).
- R - ALL DIRECT BURIED PLASTIC SERVICES USING 1" OR 1 1/4" CTS PLASTIC PIPE SHALL BE INSTALLED IN A SLEEVE (ITEM 14) AND SHALL ONLY BE USED FOR LOW PRESSURE SERVICES.
- S - "WARNING BURIED GAS LINES BELOW" TAPE (ITEM 31) MUST BE INSTALLED AT A MINIMUM OF 12" ABOVE THE TOP OF THE DIRECT BURIED NEW/REPLACEMENT SERVICE. WHEN NEW/REPLACEMENT SERVICES ARE INSERTED, THE TAPE IS TO BE INSTALLED IN ALL EXCAVATIONS, SUCH AS THE MAIN CONNECTION, THE CURB VALVE AND OTHER EXCAVATIONS.

SEE ADDITIONAL SHEETS 3 OF 4 AND 4 OF 4 FOR BILL OF MATERIAL.

INSTALLATION OF PLASTIC (DIRECT BURIAL OR INSERTION) GAS SERVICE PIPING

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
GAS ENGINEERING DEPT.

DATE	DWG. NO. EO-16641-A	REV. 4
LAST REV. 8/22/11	SHEET 2 OF 4	

CONST. STDS.
VOLUME 2

1-30 CUS 041988-03

REVISIONS

M. BALDWIN B. DAS	0
REDRAWN BY CAD	
RAL. 5/16/08	
M. BALDWIN 7/27/08	1
CHANGED MATERIAL LIST	
CP 6/28/08	
M. BALDWIN 6/22/11	2
CHANGED MATERIAL LIST.	
D.J. 6/22/11	

ITEM NO.	CLASS & STOCK NO.	DESCRIPTION	DWG. NO. SPEC. NO.
COUPLING, PLASTIC COMPRESSION (MET-FIT)			
8	341 - 5775	2" IPS	
	341 - 5787	1 1/2" IPS	
	341 - 5783	1" IPS	
	341 - 3952	1 1/2" CTS	
	341 - 3860	1" CTS	
	341 - 3940	1/2" CTS	
COUPLING, PLASTIC TO PLASTIC (DRESSER)			
8	337 - 9229	1 1/2" CTS	G-100,285
	337 - 9237	1" CTS	
	337 - 9246	1/2" CTS	
7	003 - 4215	COVER, PLASTIC PLATE	EO-14021-D
8	020 - 1145	LOCK, CURB VALVE BOX	EO-13687-B
5	003 - 9172	BOX, CURB VALVE, PLASTIC	EO-16260-B
	003 - 7782	BOX, CURB VALVE, PLASTIC (UP TO 1 1/2" VALVE)	EO-16933-B
	003 - 8729	BOX, CURB VALVE, PLASTIC (2", 3", 4" VALVE)	EO-16933-B
	002 - 2673	CURB VALVE BOX, CONCRETE COVER (S/W)	EO-4067
COUPLING COMPRESSION, METALLIC			
4	337 - 7876	4" BOLTED	
	337 - 8700	3" BOLTED	
	337 - 8932	2" x 1 1/2" REDUCER	
	337 - 8924	2" x 1" REDUCER	
	337 - 8916	2" x 1/2" REDUCER	
	337 - 8106	2" CONDUCTIVE	
	337 - 8908	1 1/2" x 1 1/2" REDUCER	
	337 - 8890	1 1/2" x 1" REDUCER	
	337 - 8858	1 1/2" CONDUCTIVE	
	337 - 8862	1 1/2" x 1" REDUCER	
	337 - 8874	1 1/2" x 3/4" REDUCER	
	337 - 8098	1 1/2" CONDUCTIVE	
	337 - 8866	1" x 3/4" REDUCER	
	337 - 8841	1" CONDUCTIVE	
	337 - 8833	3/4" CONDUCTIVE	
ADAPTER SERVICE HEAD			
3	341 - 0958	2" FPT x 1 1/2" CTS x 1 1/2" MPT	
	341 - 4786	2" FPT x 1" IPS x 1" MPT	
	341 - 0941	1 1/2" FPT x 1 1/2" CTS x 1 1/2" MPT	
	341 - 2467	1 1/2" FPT x 1 1/2" CTS x 1 1/2" MPT	
	337 - 8480	1 1/2" FPT x 1" CTS x 1 1/2" MPT	
	337 - 7330	1 1/2" FPT x 1" CTS x 1 1/2" MPT	
	341 - 2188	1 1/2" FPT x 1" CTS x 1 1/2" MPT	
	337 - 6035	1 1/2" FPT x 1/2" CTS x 1 1/2" MPT	
	337 - 5631	1" FPT x 1/2" CTS x 1" MPT	
	337 - 1648	3/4" FPT x 1/2" CTS x 1" MPT	
	341 - 1022	3/4" FPT x 1/2" CTS x 3/4" MPT	
	341 - 2784	1 1/2" THD. INLET x 1 1/2" CTS. PLAST. OUTLET INNER-TITE	
	341 - 2756	1 1/2" THD. INLET x 1" CTS. PLAST. OUTLET INNER-TITE	
ELECTROFUSION FITTING -- TAPPING TEE			
2	341 - 5643	2" IPS x 1" IPS CENTRAL PLASTICS -- HDPE	
	341 - 5635	2" IPS x 1/2" CTS CENTRAL PLASTICS -- HDPE	
	341 - 5627	1 1/2" IPS x 1" IPS CENTRAL PLASTICS -- HDPE	
	341 - 5619	1 1/2" IPS x 1/2" CTS CENTRAL PLASTICS -- HDPE	
SIDEWALL FUSION PLASTIC BODY--TAPPING TEE			
2	341 - 3788	12" MAIN x 2" IPS OUTLET	
	341 - 3879	12" MAIN x 1 1/2" CTS OUTLET	
	341 - 4760	12" MAIN x 1/2" CTS OUTLET	
	341 - 4125	10" MAIN x 2" IPS OUTLET	
	341 - 4166	10" MAIN x 1 1/2" IPS OUTLET	
	341 - 2798	8" MAIN x 2" IPS OUTLET	
	341 - 3887	8" MAIN x 1 1/2" CTS OUTLET	
	341 - 2780	8" MAIN x 1" IPS OUTLET	
	341 - 4804	8" MAIN x 1/2" CTS OUTLET	
	341 - 1121	8" MAIN x 2" IPS OUTLET	
	341 - 3885	8" MAIN x 1 1/2" CTS OUTLET	
	341 - 2145	8" MAIN x 1" IPS OUTLET	
	341 - 4612	6" MAIN x 1/2" CTS OUTLET	
	341 - 2202	4" MAIN x 2" IPS OUTLET	
	341 - 3903	4" MAIN x 1 1/2" CTS OUTLET	
	341 - 1139	4" MAIN x 1" IPS OUTLET	
	341 - 4396	4" MAIN x 1/2" CTS OUTLET	
	341 - 2194	3" MAIN x 2" IPS OUTLET	
	341 - 3911	3" MAIN x 1 1/2" CTS OUTLET	
	341 - 1147	3" MAIN x 1" IPS OUTLET	
	341 - 1154	2" MAIN x 1" IPS OUTLET	
	341 - 3261	2" MAIN x 1/2" CTS OUTLET	
	341 - 1182	1 1/2" MAIN x 1" IPS OUTLET	
	341 - 3283	1 1/2" MAIN x 1/2" CTS OUTLET	
TEE PLASTIC TO METAL (BRASS BASED)			
1	341 - 4794	2" x 2" IPS	
	341 - 4505	2" x 1 1/2" CTS	
	341 - 4521	2" x 1" CTS	
	341 - 4588	1 1/2" x 1 1/2" CTS	
	341 - 4513	1 1/2" x 1" CTS	
	341 - 4483	1 1/2" x 1" CTS	
	341 - 4471	1 1/2" x 1" CTS	
TEE METALLIC BODY			
1	337 - 5783	2" WELD INLET x 2" INSUL.COMP. OUTLET	
	337 - 6811	2" THD. INLET x 2" PLAIN OUTLET	
	337 - 5789	2" THD. INLET x 2" INSUL.COMP. OUTLET	
	337 - 6449	1 1/2" WELD INLET x 1 1/2" WELD OUTLET	
	337 - 6852	1 1/2" THD. INLET x 1 1/2" PLAIN OUTLET	
	337 - 6910	1" THD. INLET x 1" COMP OUTLET	
	337 - 5956	1" THD. INLET x 1" INSUL.COMP. OUTLET	
	337 - 6431	1" WELD INLET x 3/4" INSUL.COMP. OUTLET	
	337 - 7686	3/4" WELD INLET x 1" COMP SELF TAPPING FOR MP & HP USE ONLY	

BILL OF MATERIAL

NOTE:

SEE SHEETS NO 1 OF 4 AND 2 OF 4 OF THIS DRAWING # EO-16641 INSTALLATION OF PLASTIC (DIRECT BURIAL OR INSERTION) TO INDOOR / OUTDOOR METER, GAS SERVICE PIPING.

CONST. STDS.
VOLUME 2

CONTINUED ON SHEET 4 OF 4

ITEM NO.	CLASS & STOCK NO.	DESCRIPTION	DWG. NO. SPEC. NO.
18	686 - 0134	ROCK SHIELD, PLASTIC MESH	
17	596 - 2436	TAPE, ELECTRICAL P.V.C.	
ADAPTER W/STIFFENER, STAB END			
18	341 - 4070	2" IPS x 1 1/2" CTS	
	341 - 0920	1 1/2" IPS x 1 1/2" CTS	
	341 - 3341	1 1/2" IPS x 1 1/2" CTS	
	341 - 2178	1 1/2" IPS x 1" CTS	
	337 - 6027	1 1/2" IPS x 1/2" CTS	
	337 - 5839	1" IPS x 1/2" CTS	
	341 - 1014	3/4" IPS x 1/2" CTS	
BUSHING END PROTECTOR			
15	341 - 2269	2" IPS	
	341 - 2251	1 1/2" IPS	
	341 - 2244	1 1/2" IPS	
	341 - 2236	1" IPS	
	341 - 2228	3/4" IPS	
SLEEVE, PROTECTIVE, PVC:			
14	341 - 0974	3" OD WITH 2" SLOT	
	341 - 0986	3" OD WITH 1 1/2" SLOT	
	341 - 0800	2" OD WITH 1" SLOT	
	341 - 0792	1 1/2" OD WITH 3/4" SLOT	
ANODE MAGNESIUM:			
13	079 - 0046	32 LBS	
	079 - 0030	17 LBS	
	079 - 0014	3 LBS	
BOX, CURB VALVE:			
12	003 - 9172	WHITE PLASTIC WITH YELLOW COVER	
	003 - 9602	CAST IRON C/V BOX EXTENSION	
	003 - 3423	BOX, CURB VALVE, CI 24"	
	003 - 3565	BOX, CURB VALVE, CI 36"	
11	002 - 5114	BASE, CURB VALVE	
PIPE AND TUBING, PLASTIC			
10	328 - 0641	12" IPS (40' LENGTHS)	
	328 - 0649	12" IPS (20' LENGTHS)	
	328 - 0518	8" IPS (40' LENGTHS)	
	328 - 0559	8" IPS (20' LENGTHS)	
	328 - 0401	6" IPS (40' LENGTHS)	
	328 - 0567	6" IPS (20' LENGTHS)	
	328 - 0393	4" IPS (40' LENGTHS)	
	328 - 0575	4" IPS (20' LENGTHS)	
	328 - 0660	4" IPS (500' COIL)	
	328 - 0386	3" IPS (40' LENGTHS)	
	328 - 0583	3" IPS (20' LENGTHS)	
	328 - 0708	3" IPS (500' COIL)	
	328 - 0591	2" IPS (20' LENGTHS)	
	328 - 0377	2" IPS (500' COIL)	
	328 - 0369	1 1/2" IPS (500' COIL)	
	328 - 0351	1" IPS (500' COIL)	
	360 - 0954	1 1/2" CTS (500' COIL)	
	360 - 0988	1" CTS (500' COIL)	
	360 - 0847	1/2" CTS (500' COIL)	
VALVE, PLASTIC			
9	379 - 7198	12" IPS FULL PORT	
	379 - 2939	8" IPS FULL PORT	
	379 - 2921	6" IPS FULL PORT	
	379 - 7271	4" IPS FULL PORT	
	379 - 7412	3" IPS FULL PORT	
	379 - 4229	2" IPS	
	374 - 2657	1 1/2" IPS W/PERMASERT TYPE ENDS	
	374 - 2749	1 1/2" CTS W/PERMASERT TYPE ENDS	
	374 - 2685	1" IPS W/PERMASERT TYPE ENDS	
	374 - 2731	1" CTS W/PERMASERT TYPE ENDS	
	374 - 2798	1/2" CTS W/PERMASERT TYPE ENDS	
COUPLING -- ELECTROFUSION			
8	341 - 4976	8" IPS CENTRAL PLASTICS	
	341 - 4182	6" IPS CENTRAL PLASTICS	
	341 - 4190	4" IPS CENTRAL PLASTICS	
	341 - 4208	3" IPS CENTRAL PLASTICS	
	341 - 4216	2" IPS CENTRAL PLASTICS	
	341 - 4174	1 1/2" IPS CENTRAL PLASTICS	
	341 - 4224	1" IPS CENTRAL PLASTICS	
	341 - 5429	12" IPS FRATEC	
	341 - 5411	8" IPS FRATEC	
	341 - 5390	6" IPS FRATEC	
	341 - 5379	4" IPS FRATEC	
	341 - 5403	3" IPS FRATEC	
	341 - 5387	2" IPS FRATEC	
	341 - 5816	1 1/2" IPS FRATEC	
	341 - 5808	1" IPS FRATEC	
	341 - 5868	1/2" CTS FRATEC	
COUPLING, PERMASERT			
8	341 - 4836	1 1/2" CTS	
	341 - 4877	1" CTS	
	341 - 4889	1/2" CTS	

INSTALLATION OF PLASTIC (DIRECT BURIAL OR INSERTION) GAS SERVICE PIPING BILL OF MATERIAL

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
GAS ENGINEERING DEPT

DATE 5/16/08 DWG. NO. EO-16641-A REV. 2
LAST REV. 6/22/11 SHEET 3 OF 4

REVISIONS	
M. BALDWIN B. DAS	0
REDRAWN BY CAD	
RAJ.	5/16/06
M. BALDWIN 7/27/06	1
UPDATED MATERIAL LIST	
C.P.	6/28/06
M. BALDWIN 6/22/11	2
UPDATED MATERIAL LIST	
D.L.	8/22/11

31	024 - 6660	TAPE, "WARNING GAS LINES BELOW"	G-8100
30		BEND, PIPE, RISER:	
	003 - 0700	2" IPS	
	003 - 1047	3" IPS	
29	058 - 3534	THERMIT WELD: FOR STEEL.	G-100,279
28		SLEEVE,WALL,SCH.40,STEEL,THREAD ONE END	
27	000 - 0372	BRICK, NO.1 COMMON RED:	
26		SLEEVE,WALL,SCH.40,STEEL OR P.V.C. PIPE.	G-8096
25	563 - 0199	WIRE, PLASTIC COATED COPPER,RED,NO.14	
	563 - 1361	WIRE, PLASTIC COATED COPPER,RED,NO.10	
24		REDUCER,PLASTIC:	
	341 - 1220	2" IPS x 1 1/4" IPS	
	341 - 1170	2" IPS x 1 1/4" CTS	
	341 - 2749	1" IPS x 1 1/4" CTS	
	341 - 2079	1" IPS x 1" CTS	
	341 - 1196	1" IPS x 1/2" CTS	
23		FITTING, TRANSITION, PLASTIC TO STEEL, THREADED END	
	341 - 4414	4" IPS x 4" IPS	
	341 - 4356	3" IPS x 3" IPS	
	341 - 4349	2" IPS x 2" IPS	
	341 - 4331	1 1/2" IPS x 1 1/4" IPS	
	341 - 4323	1" IPS x 1" IPS	
		FITTING, TRANSITION, PLASTIC TO STEEL, BEVELED END	
	341 - 3620	12" IPS x 12" IPS	
	341 - 1113	10" IPS x 10" IPS	
	341 - 2622	8" IPS x 8" IPS	
22		ELBOW, THREADED END	
	332 - 1080	3"	
	332 - 1049	2"	
	332 - 1023	1 1/2"	
	332 - 1007	1 1/4"	
	332 - 0983	1"	
	332 - 1429	3/4"	
		NIPPLE,STEEL,SHOULDER,SCH.80	
	330 - 1694	4" x 4" LONG	
	330 - 1629	3" x 4" LONG	
	330 - 1322	2" x 3 1/2" LONG	
	330 - 3286	1 1/2" x 2 1/4" LONG	
	330 - 2999	1 1/4" x 2" LONG	
	330 - 0637	1" x 2 1/2" LONG	
330 - 0662	3/4" x 2" LONG		
20		SEAL, LINK	
	341 - 0776	12" x 16" (12 LINKS)	
	341 - 1030	10" x 16" (10 LINKS)	
	341 - 1006	8" x 12" (12 LINKS)	
	341 - 1006	6" x 10" (10 LINKS)	
	341 - 0750	4" x 6" (10 LINKS)	
	341 - 0750	3" x 5" (6 LINKS)	
	341 - 0750	2" x 4" (6 LINKS)	
	NON - STOCK	1 1/2" x 3" (8 LINKS)	
	341 - 0750	1" x 3" (4 LINKS)	
		3M COLD SHRINK	
	341 - 5676	1" x 3/4" (WILL ALSO SEAL 1" x 1/2")	
341 - 5684	1 1/2" x 1 1/4" (WILL ALSO SEAL 1 1/2" x 1 1/4")		
341 - 5692	2" x 1 1/2" (WILL ALSO SEAL 2" x 1 1/2")		
341 - 5700	3" x 2" (WILL ALSO SEAL 3" x 1 1/2" ,BUT NOT 1 1/4")		
19		VALVE, PLUG, SERVICE HEAD	
	374 - 2319	12" FLANGED END	
	374 - 2772	10" FLANGED END	
	374 - 2293	8" FLANGED END	
	374 - 2277	6" FLANGED END	
	374 - 2335	4" FLANGED END	
	374 - 2103	4" THREADED END	
	374 - 1345	3" FLANGED END	
	374 - 0354	3" THREADED END	
	374 - 0321	2" THREADED END	
	374 - 2095	1 1/2" THREADED END	
	374 - 2434	1 1/4" THREADED END	
374 - 0248	1" THREADED END		
374 - 2350	3/4" THREADED END		

BILL OF MATERIAL
CONTINUED FROM SHEET 3 OF 4

35		SIDEWALL FUSION TAPPING TEE w/EPV & PERMASERT END	
	341 - 5452	12" MAIN x 1/2" CTS OUTLET	
	341 - 5460	8" MAIN x 1/2" CTS OUTLET	
	341 - 5478	6" MAIN x 1/2" CTS OUTLET	
	341 - 5486	4" MAIN x 1/2" CTS OUTLET	
	341 - 5484	2" MAIN x 1/2" CTS OUTLET	
341 - 5445	1 1/2" MAIN x 1/2" CTS OUTLET		
34		EXCESSFLOW VALVES	
	341 - 5528	1" IPS x 1/2" CTS x 1" IPS (STAB ENDS)	
	337 - 9492	3/4" IPS x 1/2" CTS x 3/4" IPS (STAB ENDS)	
	341 - 4893	1/2" CTS WITH PERMESRT ENDS	
341 - 4844	1" IPS WITH BLANK ENDS		
33		BEND, ANODELESS RISER	
	341 - 5601	4" IPS x 4" IPS FLANGED	
	341 - 5585	4" IPS x 4" IPS THREADED	
	341 - 5593	3" IPS x 3" IPS FLANGED	
	341 - 5577	3" IPS x 3" IPS THREADED	
	341 - 5304	2" IPS x 2" IPS	
	341 - 5023	1" IPS x 1" IPS	
	341 - 3747	1 1/2" CTS x 1 1/2" IPS	
	341 - 3739	1" CTS x 1" IPS	
	341 - 3721	3/4" CTS x 1" IPS	
32		ELBOW, PLASTIC, 90 DEGREES, " MET-FIT "	
	341 - 3994	1 1/2" CTS	
	341 - 3986	1" CTS	
	341 - 3978	3/4" CTS	
		ELBOW, PLASTIC, 90 DEGREES, " PERMASERT "	
	341 - 4810	1 1/2" CTS	
	341 - 4802	1" CTS	
	341 - 4828	3/4" CTS	
		ELBOW, PLASTIC, 90 DEGREES	
	341 - 3796	12" IPS	
341 - 4141	10" IPS		
341 - 3044	8" IPS		
341 - 2095	6" IPS		
341 - 1337	4" IPS		
341 - 1345	3" IPS		
341 - 1352	2" IPS		
341 - 1360	1 1/2" IPS		
341 - 1378	1" IPS		
	ELBOW, PLASTIC, 45 DEGREES		
341 - 3804	12" IPS		
341 - 2806	6" IPS		
341 - 2100	6" IPS		
341 - 2111	4" IPS		
341 - 2103	3" IPS		
ITEM NO.	CLASS & STOCK NO.	DESCRIPTION	DWG. NO. SPEC. NO.

BILL OF MATERIAL

NOTES :

SEE SHEETS NO1 OF 4 AND 2 OF 4 OF THIS DRAWING # EO-16641 INSTALLATION OF PLASTIC (DIRECT BURIAL OR INSERTION) GAS SERVICE PIPING.

INSTALLATION OF PLASTIC (DIRECT BURIAL OR INSERTION) GAS SERVICE PIPING
BILL OF MATERIAL

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
GAS ENGINEERING DEPT

DATE 5/16/06 DWG. NO. EO-16641-A REV. 2
LAST REV. 6/22/11 SHEET 4 OF 4