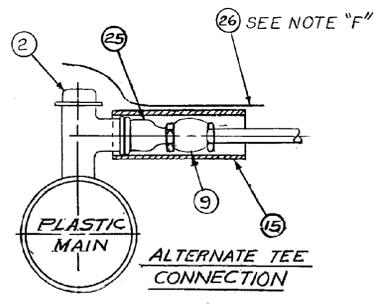
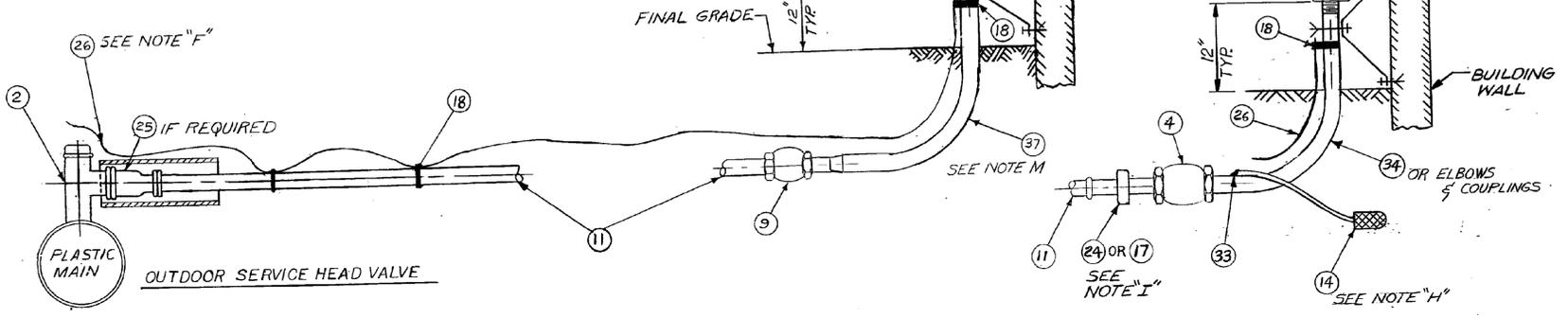
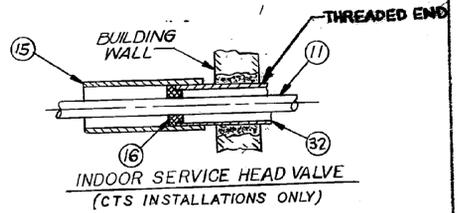
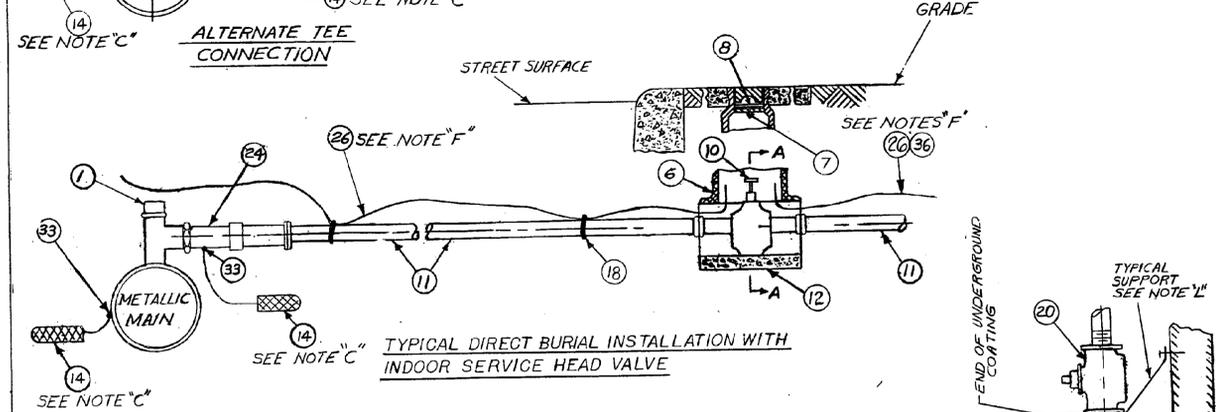
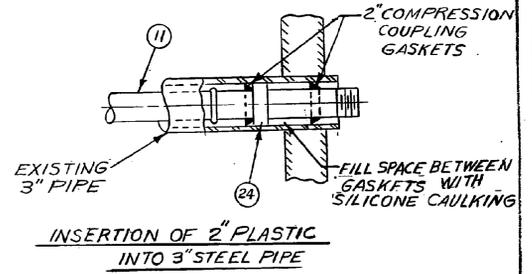
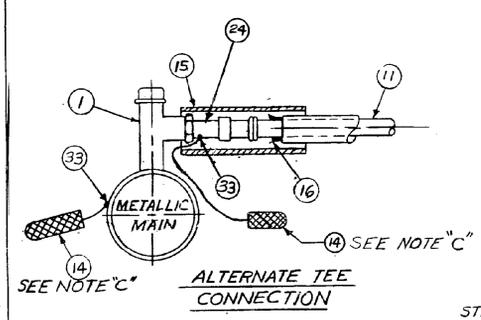
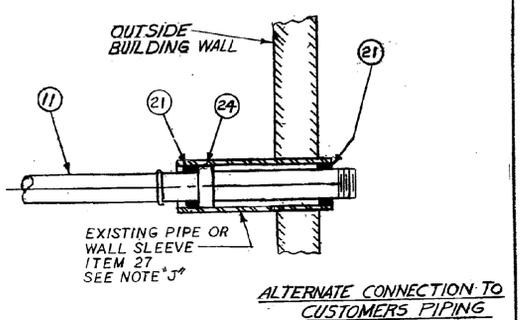
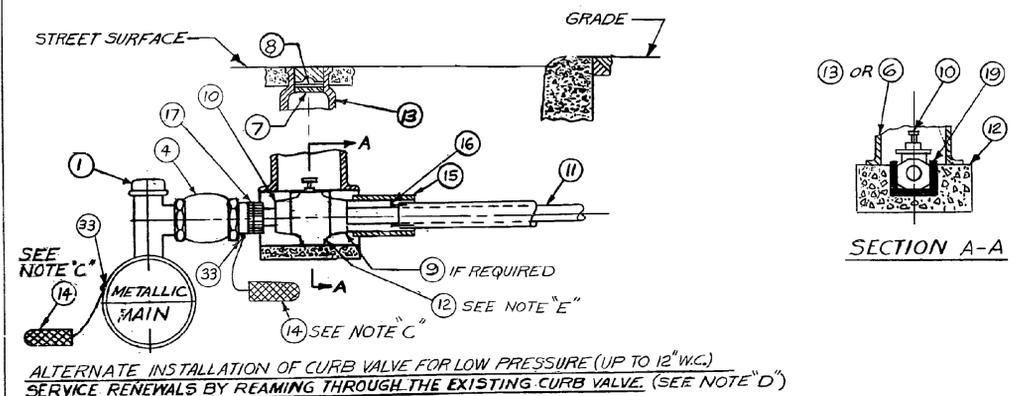
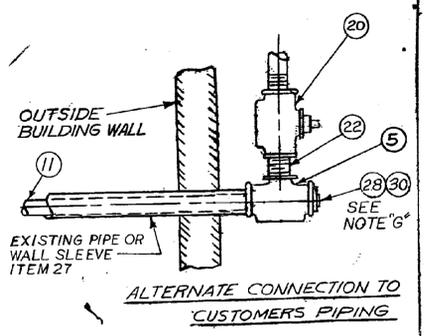
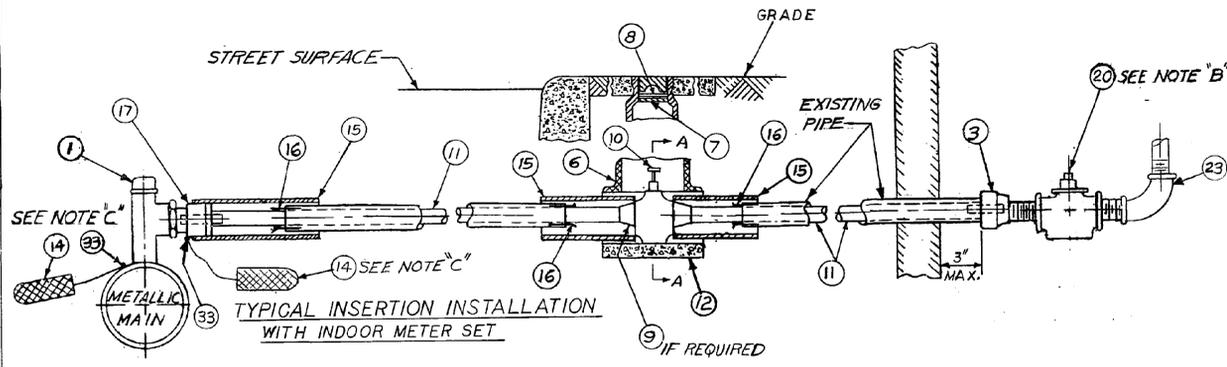


44591-02
 REVISIONS
 1
 REDRAWN
 ADDED ANODELESS RISER WITH TYPICAL SUPPORT & NOTE "L"
 SHG'D. NOTES "G", "H" AND "I"
 M
 A.D. 8-4-86



- NOTES:**
- A. ALL NEW STEEL AND IRON FITTINGS AND BARE STEEL PIPE (EXCEPT CASINGS) SHALL BE COATED TO THE LIMITS OF THE EXCAVATION.
 - B. IF THE TERMINATION AS SHOWN IS IMPRACTICAL THE VALVE ITEM 20 MAY BE INSTALLED AFTER THE TEE, ITEM 23, BUT WITHIN 2 FEET OF THE POINT OF ENTRY.
 - C. THE 32 LB. ANODE IS ONLY REQUIRED ON UNPROTECTED STEEL MAINS THAT ARE IN AREAS OF ACTIVE CORROSION. IF INSTALLED, THE 3 LB. ANODE IS NOT REQUIRED ON THE TEE.
 - D. BACKFILL THE EXISTING VALVE BOX WITH SAND TO 3" FROM THE SURFACE IF THE EXISTING VALVE BOX IS IN THE SIDEWALK AREA, BACKFILL THE REMAINING 3" WITH CONCRETE. IF THE EXISTING VALVE BOX IS IN THE SOIL AREA BACKFILL THE REMAINING 3" WITH TOP SOIL, REMOVING PARTS OF THE VALVE BOX WITH LESS THAN 3" COVER.
 - E. SUPPORT BOX, ITEM 13, WITH PRECAST BASE, ITEM 12, OR BRICKS ITEM 29, ENTIRE ASSEMBLY SHOULD BE PLACED ON WELL COMPACTED SOIL.
 - F. A NO. 14 RED INSULATED COPPER WIRE, ITEM 26, SHALL BE PLACED ON TOP OF THE DIRECT BURIED PLASTIC SERVICE AND TAPED TO THE PIPE AT 20 TO 30 FOOT INTERVALS. THE WIRE MUST NOT BE ELECTRICALLY CONNECTED (BONDED) TO ANY METALLIC PIPE OR STRUCTURE. THE WIRE SHALL BE TERMINATED IN THE CURB VALVE BOX IF SO EQUIPPED OR TAPED, ITEM 18 TO THE OUTDOOR RISER PIPE WHENEVER A RISER VALVE IS INSTALLED IN PLACE OF A BURIED CURB VALVE.
 - G. FOR ALL SERVICES, USE AN ELBOW WHERE POSSIBLE.
 - H. NOT REQUIRED FOR ANODELESS RISER INSTALLATION.
 - I. USE TRANSITION FITTING, ITEM 24, FOR I.P.S. PLASTIC PIPE, USE STAB ADAPTER ITEM 17, AND PVC SLEEVE ITEM 15, FOR CTS PLASTIC PIPE.
 - J. USE TRANSITION FITTING FOR 1 1/4" I.P.S. AND LARGER. FOR ALL SMALLER SIZES, EXTEND PLASTIC THROUGH A THREADED STEEL WALL SLEEVE, ITEM 27, AND INSTALL SERVICE HEAD ADAPTER OR BASEMENT TEE, ITEMS 3, OR 5, OMITTING LINK SEALS, ITEM 21.
 - K. A NO. 10 WHITE INSULATED COPPER WIRE, ITEM 36, SHALL BE BONDED TO THE STEEL PIPE WHENEVER THE STEEL PIPE LENGTH EXCEEDS 5 FEET. THIS WIRE SHALL BE TERMINATED IN THE CURB VALVE BOX AND WILL TAKE THE PLACE OF THE PLASTIC TRACER WIRE, ITEM 26.
 - L. RISER SUPPORT TO BE INSULATED FROM PIPE WITH NEOPRENE (OR EQUAL) WRAPPED AROUND PIPE.
 - M. I.P.S. PIPE CONNECTIONS SHALL BE BUTT FUSED. FOR CTS CONNECTIONS, USE ITEM 9.
 - N. CAUTION: 1/2" CTS TUBING HAS A MAXIMUM DESIGN SERVICE RATING OF 89 PSIG.
 1/4" CTS TUBING HAS A MAXIMUM DESIGN SERVICE RATING OF 72 PSIG.

THIS DRAWING IS PART OF SPECIFICATION 6-8100

BILL OF MATERIAL IS ON EO-16641-B SHEET 2 OF 2.

INSTALLATION OF PLASTIC GAS SERVICE PIPING

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

DATE 2-9-84 DWG. EO-16641-A REV. /
 LAST REV. 8-4-86 No. SHEET 10 OF 2

CONST. STD'S. FIELD MANUAL SECTION: SERVICES
 CONST. STD'S. VOLUME 29

APPROVAL	SIGNATURE	DATE	SCALE
FOR APPROVAL			
DESIGNED BY			
CHECKED BY			
APPROVED BY			

REVISIONS

Handwritten: 1
ADDED ITEM 37
CHGD. ITEM 9 & 18
REMOVED ITEMS
31, 32 & 35;
A.D. 8-4-86

ITEM NO.	STOCK NO.	DESCRIPTION	DWG. OR SPEC. NO.
16	341-2269 341-2251 341-2244 341-2236 341-2228	BUSHING, END PROTECTOR: 2" IPS 1 1/2" IPS 1 1/4" IPS 1" IPS 3/4" IPS	
15	341-0974 341-0966 341-0800 341-0792	SLEEVE, PROTECTIVE, PVC: 3" O.D. WITH 2" SLOT 3" O.D. WITH 1 1/2" SLOT 2" O.D. WITH 1" SLOT 1 1/2" O.D. WITH 3/4" SLOT	
14	079-0048 079-0030 079-0014	ANODE, MAGNESIUM: 32 POUND 17 POUND 3 POUND	G-8102
13	003-3365 003-3423	BOX, CURB VALVE, CAST IRON, COMPLETE: CV - 32 - P (2'-8" EXTENSION) CV - 24 - P (2'-0" EXTENSION)	EO-4045-C EO-4044-C
12	002-5114	BASE, CURB VALVE	EO-9241-D
11	328-0393 328-0385 328-0526 328-0377 328-0369 328-0351 360-0954 360-0988 360-0947	PIPE AND TUBING, PLASTIC: 4" IPS (40' LENGTHS) 3" IPS (40' LENGTHS) 2" IPS (40' LENGTHS) 2" IPS (COIL) 1 1/4" IPS (COIL) 1" IPS (COIL) 1 1/4" CTS (COIL) 1" CTS (COIL) 1 1/2" CTS (COIL)	G-8104
10	379-4310 379-4898 379-4229 374-2657 374-2749 374-2665 374-2731 374-2798	VALVE, PLASTIC: 4" IPS 3" IPS 2" IPS 1 1/4" IPS 1 1/4" CTS 1" IPS 1" CTS 1/2" CTS	G-100, 075
9	341-3358 341-3366 341-3974	COUPLING, PLASTIC TO PLASTIC: 1 1/4" CTS 1" CTS 1/2" CTS	G-100, 285
8	003-4215	COVER, PLASTIC PLATE	EO-14021-D
7	020-1145	LOCK, CURB VALVE BOX	EO-13987-B
6	003-7762	BOX, CURB VALVE, PLASTIC WITH COVER	EO-16260-B
5	341-2608 341-2590 341-2582 341-2665 341-2574	TEE, BASEMENT: 2" FPT X 1 1/4" CTS X 1 1/2" FPT 1 1/2" FPT X 1 1/4" CTS X 1 1/2" FPT 1 1/2" FPT X 1" CTS X 1" FPT 1 1/4" FPT X 1" CTS X 1 1/2" FPT 1 1/4" FPT X 1" CTS X 1" FPT	G-100, 291
4	337-2653 337-2646 337-0566 337-0574 337-2596 337-0590 337-0608 337-2588 337-0616 337-5060 337-5266 337-0624 337-1705 337-0632 337-0640	COUPLING, COMPRESSION, METALLIC: 4" CONDUCTIVE 3" CONDUCTIVE 2" X 1 1/2" REDUCER 2" X 1 1/4" REDUCER 2" X 1" REDUCER 2" CONDUCTIVE 1 1/2" X 1 1/4" REDUCER 1 1/2" X 1" REDUCER 1 1/2" CONDUCTIVE 1 1/4" X 1" REDUCER 1 1/4" X 3/4" REDUCER 1 1/4" CONDUCTIVE 1" X 3/4" REDUCER 1" CONDUCTIVE 3/4" CONDUCTIVE	G-100, 285
3	341-0958 341-0941 337-6472 337-6480 337-7330 341-2186 337-6035 337-5631 337-1648 341-1022	ADAPTER, SERVICE HEAD: 2" FPT X 1 1/4" CTS X 1 1/2" MPT 1 1/2" FPT X 1 1/4" CTS X 1 1/2" MPT 1 1/2" FPT X 1" IPS X 2" MPT 1 1/2" FPT X 1" CTS X 1 1/2" MPT 1 1/4" FPT X 1" CTS X 1 1/2" MPT 1 1/4" FPT X 1" CTS X 1 1/4" MPT 1 1/4" FPT X 1/2" CTS X 1 1/4" MPT 1" FPT X 1/2" CTS X 1" MPT 3/4" FPT X 1/2" CTS X 1" MPT 3/4" FPT X 1/2" CTS X 3/4" MPT	G-100, 291
2	341-2798 341-2780 341-1121 341-2145 341-2202 341-1139 341-2194 341-1147 341-1154 341-3291 341-1152 341-3283	TEE, PLASTIC BODY, TAPPING: 8" MAIN X 2" IPS OUTLET 8" MAIN X 1" IPS OUTLET 6" MAIN X 2" IPS OUTLET 6" MAIN X 1" IPS OUTLET 4" MAIN X 2" IPS OUTLET 4" MAIN X 1" IPS OUTLET 3" MAIN X 2" IPS OUTLET 3" MAIN X 1" IPS OUTLET 2" MAIN X 1" IPS OUTLET 2" MAIN X 1/2" CTS OUTLET 1 1/4" MAIN X 1" IPS OUTLET 1 1/4" MAIN X 1/2" CTS OUTLET	G-8104
1	337-5763 337-6811 337-5789 341-2764 337-6449 337-6052 341-2756 337-6910 337-5656 337-6431 337-7686	TEE, METALLIC BODY: 2" WELD INLET X 2" INSUL. COMP. OUTLET 2" THD. INLET X 2" PLAIN OUTLET 2" THD. INLET X 2" INSUL. COMP. OUTLET 1 1/2" THD. INLET X 1 1/4" CTS PLAS. OUTLET 1 1/4" WELD INLET X 1 1/4" WELD OUTLET 1 1/4" THD. INLET X 1 1/4" PLAIN OUTLET 1 1/4" THD. INLET X 1" CTS PLASTIC OUTLET 1" THD. INLET X 1" COMP. OUTLET 1" THD. INLET X 1" INSUL. COMP. OUTLET 1" WELD INLET X 3/4" WELD OUTLET 3/4" WELD INLET X 1" COMP. OUTLET, SELF TAPPING FOR M.P. AND H.P. USE ONLY.	

ITEM NO.	STOCK NO.	DESCRIPTION	DWG. OR SPEC. NO.
37	NON-STOCK	BEND, ANODELESS RISER WITH BRACKET 1/4" CTS X 1/2" IPS 1" CTS X 1" IPS 1/2" CTS X 3/4" IPS	
36	563-1395	WIRE, PLASTIC COATED, WHITE NO. 10	
35			
34	341-0784 341-2210	BEND, PIPE, RISER: 1" IPS 3/4" IPS	
33	058-3534	THERMIT WELD: FOR STEEL	EO-14134-B
32		SLEEVE, WALL, SCH 40 STEEL, THREAD ONE END	
31			
30	631-0874	SOLDER, LIQUID RAILMETAL	
29	000-0372	BRICK, NO. 1 COMMON RED.	
28	338-5648 338-5655 338-5663 338-5697	PLUG, PIPE COUNTERSUNK SQUARE: 2" 1 1/2" 1 1/4" 1"	ANSI B 16.4
27		SLEEVE, WALL, SCH. 40, STEEL OR P.V.C. PIPE	G-8096
26	563-0199	WIRE, PLASTIC COATED COPPER, RED, NO. 14	
25	341-1220 341-1170 341-2749 341-2079 341-1196	REDUCER, PLASTIC: 2" IPS X 1 1/4" IPS 2" IPS X 1 1/4" CTS 1" IPS X 1 1/4" CTS 1" IPS X 1" CTS 1" IPS X 1/2" CTS	G-8104
24	341-1071 341-1089 341-1097 341-1105 341-1113 341-2152	FITTING, TRANSITION, PLASTIC TO STEEL: 4" IPS X 4" IPS 3" IPS X 3" IPS 2" IPS X 2" IPS 1 1/4" IPS X 1 1/4" IPS 1" IPS X 1" IPS 1/2" IPS X 1/2" CTS	G-8104
23	332-1536 332-1528 332-1494 332-1478 332-1460 332-1445 332-1429	TEE, SCREWED END: 4" 3" 2" 1 1/2" 1 1/4" 1" 3/4"	ANSI B 16.3
22	330-1202 330-1629 330-1322 330-3286 330-2999 330-0837 330-0662	NIPPLE, STEEL, SHOULDER, SCH. 80: 4" 3" 2" 1 1/2" 1 1/4" 1" 3/4"	ASTM A53 GR. B
21	341-0776 341-0750 341-0750	SEAL, LINK 3" X 6" (4 LINKS) 2" X 4" (6 LINKS) 1 1/4" X 3" (4 LINKS)	G-100, 237
20	374-1345 374-2103 374-1345 374-0354 374-0321 374-2095 374-2434 374-0248 374-2350	VALVE, PLUG, SERVICE HEAD: 4" FLANGED END 4" SCREWED END 3" FLANGED END 3" SCREWED END 2" SCREWED END 1 1/2" SCREWED END 1 1/4" SCREWED END 1" SCREWED END 3/4" SCREWED END	G-100-075
19	686-0134	ROCK SHIELD, PLASTIC MESH	
18	596-2436	TAPE, ELECTRICAL P.V.C.	
17	341-0925 341-3341 341-2178 337-6027 337-5839 341-1014	ADAPTER, STAB END: 1 1/2" IPS X 1 1/4" CTS 1 1/4" IPS X 1 1/4" CTS 1 1/4" IPS X 1" CTS 1 1/4" IPS X 1/2" CTS 1" IPS X 1/2" CTS 3/4" IPS X 1/2" CTS	G-100, 291

BILL OF MATERIAL

THIS DRAWING IS PART OF SPECIFICATION G-8100

INSTALLATION OF PLASTIC GAS SERVICE PIPING
BILL OF MATERIAL

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

DATE 2-9-84 DWG. NO. EO-16641
LAST REV. 8-4-86 SHEET 2 OF 2 REV. 1

CONST. STDS. FIELD MANUAL SECTION: SERVICES
CONST. STDS. VOLUME 2 & 9

ITEM NO.	STOCK NO.	DESCRIPTION	DWG. OR SPEC. NO.
BILL OF MATERIAL			

FOR APPROVAL	DIV.	SIGNATURE	DATE	CHECKED BY