

REVISIONS

M. BALDOVIN 4/20/06 2
 B. DAS R. GROGAN

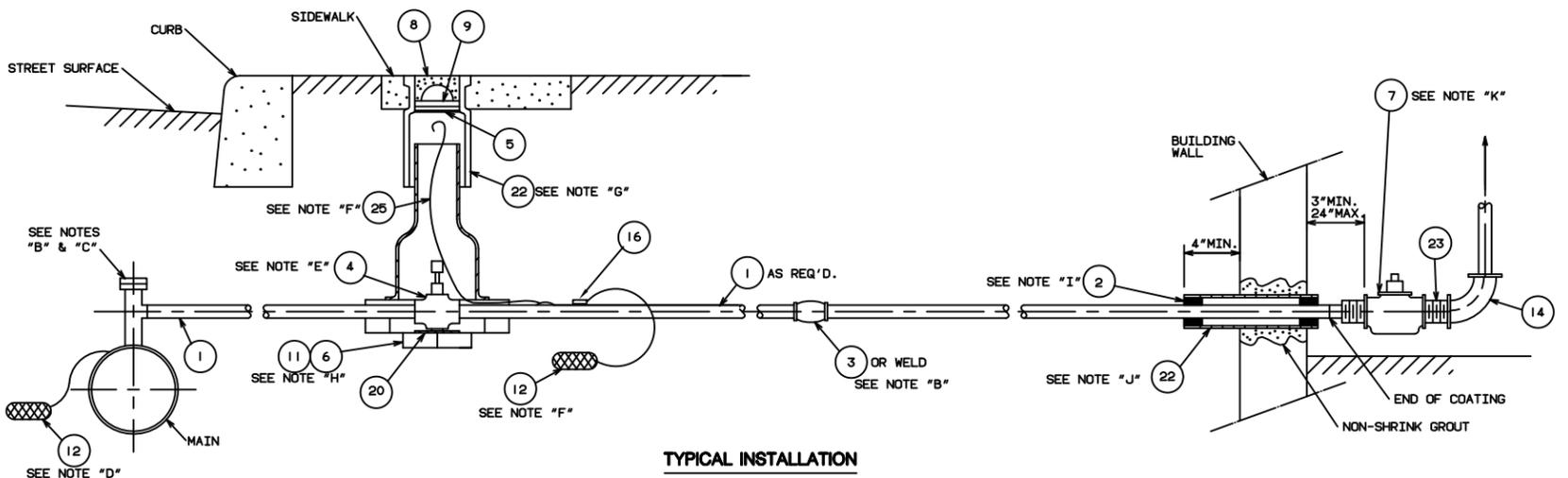
REDRAWN TO AUTOCAD. ADDED REQUIREMENT OF SLEEVE AND LINK SEALS. REVISED NOTES D, I & S. ADDED NOTE Q & T

RAJ 4/20/06

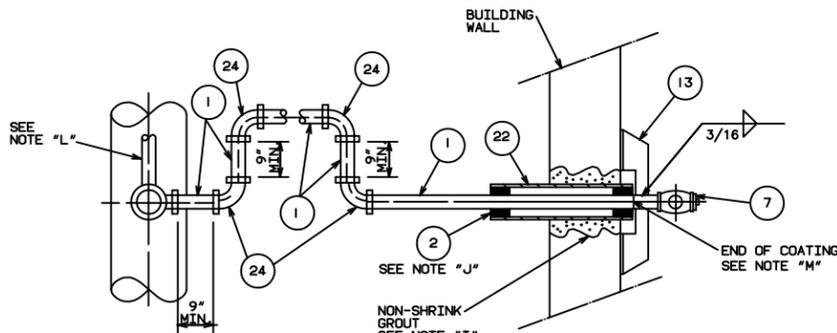
M. BALDOVIN 6/22/11 3

UPDATED DRAWING NOTES, AND BILL OF MATERIALS.

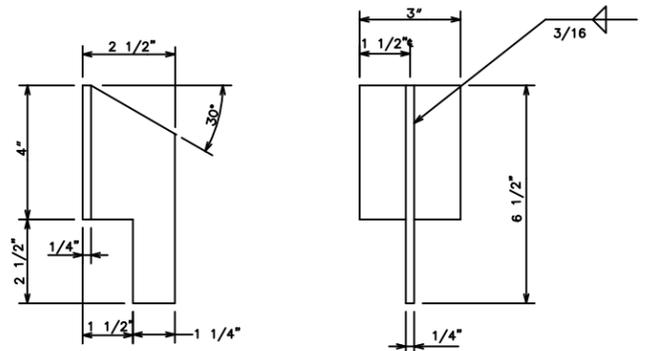
DJ 6/22/11



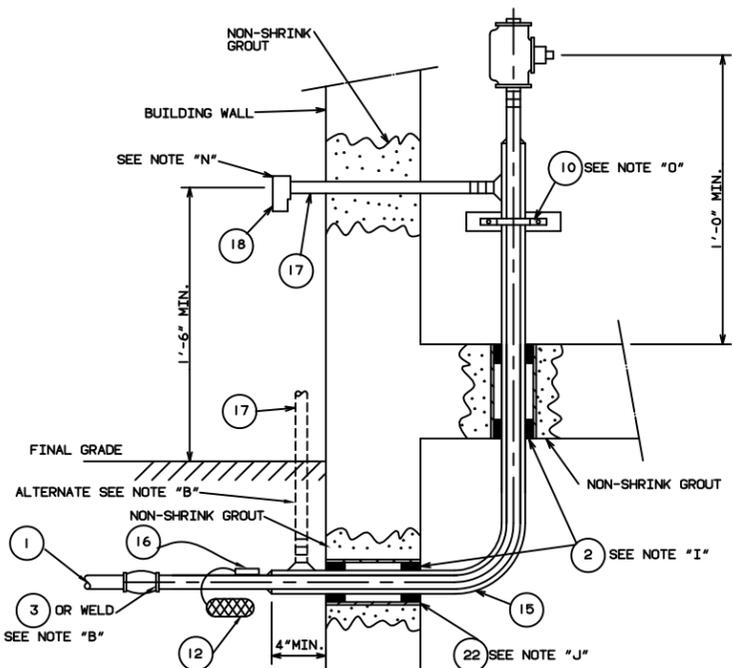
TYPICAL INSTALLATION



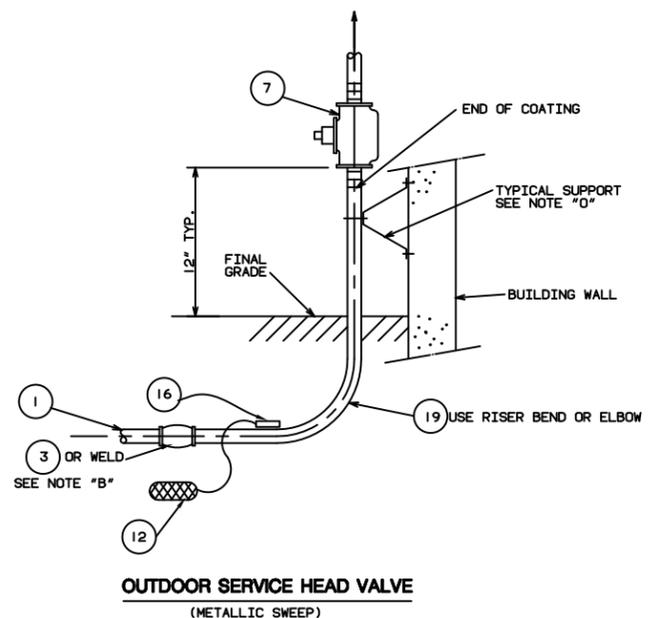
UNSTABLE SOIL CONSTRUCTION (SEE NOTE "L")
 (PLAN VIEW)



13 STEEL BRACE
 DETAIL "B"



INSTALLATION WHERE SERVICE ENTERS FROM BENEATH BUILDING
 (COLD ROLLED BEND)



OUTDOOR SERVICE HEAD VALVE
 (METALLIC SWEEP)

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-8209 FOR FIELD COATING DIRECT BURIED OR SLEEVED STEEL PIPE, FITTINGS, AND UNDERGROUND VENT PIPING REQUIREMENTS. REFER TO G-8205 FOR REQUIREMENTS TO INSTALL INSULATING JOINTS.
- C. REFER TO G-8100, APPENDIX G AND EO-16645-B FOR THE APPROPRIATE SERVICE TO MAIN CONNECTIONS.
- D. REFER TO G-8205 FOR MAGNESIUM ANODE INSTALLATION REQUIREMENTS ON UNPROTECTED STEEL. INSTALL A 32 LB. "HOT SPOT" MAGNESIUM ANODE ON UNPROTECTED STEEL GAS MAIN AS PER G-8205.
- E. REFER TO G-8153 FOR REINFORCEMENT REQUIREMENTS OF NEW OR EXISTING BURIED, NON-RESTRAINING COUPLINGS.
- F. REFER TO G-8205 AND G-11830 FOR STEEL SERVICES CATHODIC PROTECTION AND TESTING REQUIREMENTS. THE WHITE TEST LEAD SHALL EXTEND 12" FROM THE TOP OF THE CURB VALVE BOX.
- G. REFER TO EO-13911-A FO 4" AND UP WELDED END BALL VALVE AND VALVE BOX INSTALLATION REQUIREMENTS.
- H. SUPPORT THE CURB VALVE BOX (ITEM 13) WITH PRECAST BASE (ITEM 12) OR BRICKS (ITEM 29). ENTIRE ASSEMBLY SHOULD BE ON WELL COMPACTED SOIL.
- I. REFER TO G-8096 FOR ANNULAR SPACE SEALING REQUIREMENTS. AFTER TIGHTENING HAS BEEN COMPLETED, ALL LINK SEAL BOLT HEADS SHALL BE COATED WITH MASTIC.
- J. REFER TO G-8096 FOR SLEEVE SIZE REQUIREMENTS.
- K. REFER TO G-8100 FOR REQUIREMENTS TO INSTALL FLANGED END SERVICE HEAD VALVE (S/H/V). FLANGED END S/H/V'S SHALL BE INSTALLED ON ALL LOW PRESSURE SERVICES $\geq 6"$ AND $\geq 3"$ SERVICES OPERATING AT GREATER THAN LOW PRESSURE. THE CUSTOMER MUST INSTALL A FLANGE INSULATION KIT ON THE DOWNSTREAM SIDE OF ALL FLANGED END S/H/V'S.
- L. REFER TO G-8100 AND G-11831 FOR SERVICE INSTALLATIONS IN UNSTABLE SOIL AND INSPECTION REQUIREMENTS. OFFSETS USING COMPRESSION END ELBOWS SHALL BE INSTALLED TO PROVIDE FLEXIBILITY AND A BRACE SHALL BE INSTALLED INSIDE THE BUILDING WALL TO PREVENT PULL-OUT. FOR OUTSIDE METER/REGULATOR SETS, INSTALL A FLEXIBLE STAINLESS STEEL HOSE BETWEEN THE HEAD OF SERVICE VALVE AND METER BAR. WHEN CONNECTING TO A CAST IRON MAIN IN UNSTABLE SOIL, POSITION THE SERVICE TEE OUTLET PARALLEL TO THE MAIN.
- M. IF A THREADED NIPPLE IS WELDED TO THE END OF THE SERVICE, THE WELD MUST BE EXPOSED AND CANNOT BE LEFT IN THE SLEEVE.
- N. GAS VENT, SLEEVE PIPING, OR STEEL BRACE SHALL NOT BE IN DIRECT CONTACT TO THE BUILDING STEEL.
- O. RISER SUPPORT TO BE INSULATED FROM PIPE WITH NEOPRENE (OR EQUIVALENT) WRAPPED AROUND PIPE.
- P. REFER TO G-8100 FOR INSTALLATION REQUIREMENTS OF GAS SERVICES THAT ENTER A BUILDING THROUGH THE FLOOR; GAS SERVICES INSERTED/INSTALL 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.
- Q. "WARNING BURIED GAS LINES BELOW" TAPE (ITEM 26) 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 INSTALL IN ALL EXCAVATIONS, SUCH AS THE MAIN CONNECTION, THE CURB VALVE AND THE OTHER EXCAVATIONS.

FOR BILL OF MATERIAL SEE EO-16629-A SHEET 2 OF 2.

INSTALLATION OF STEEL GAS SERVICE PIPING

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

DATE 3/21/84
 LAST REV. 6/22/11

DWG. NO. **EO-16629-A** REV. **3**
 SHEET 1 OF 2

EO-16629-B

REVISIONS	
M. BALDOVIN 4/20/06 B. DAS R. GROGAN	2

REVISED BILL OF MATERIAL
RAJ. 4/20/06

M. BALDOVIN 6/22/11	3
------------------------	---

UPDATED DRAWING, NOTES, AND
BILL OF MATERIALS.
D.J. 6/22/11

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

ITEM NO.	CLASS & STOCK NO.	DESCRIPTION	DWG. OR SPEC. NO.
15		ELBOW, SLEEVE, STEEL	EO-12790-B
		338-6653 6" (FLANGED END)	
		338-6646 4" (THREADED END)	
		338-6638 3" (THREADED END)	
		338-6620 2" (THREADED END)	
		338-6612 1 1/2" (THREADED END)	
14		ELBOW, 90° MALLEABLE IRON, SCREWED ENDS	ANSI B 16.3
		332-1106 4"	
		332-1080 3"	
		332-1049 2"	
		332-1023 1 1/2"	
		332-1007 1 1/4"	
13		BRACE, STEEL, 2 REQ'D	SEE DETAIL "B"
12		ANODE, MAGNESIUM	G-8102
		079-0048 32 POUND	
		079-0030 17 POUND	
11		BASE, CURB VALVE	EO-9241-D
		002-2863 2" VALVE SIZE	
		002-2848 1 1/4" & 1 1/2" VALVE SIZE	
		002-4646 1" VALVE SIZE	
10		CLAMP, SLEEVE	
9		COVER, PLASTIC PLATE	EO-14021-D
8		COVER, VALVE BOX	EO-4070-C
		003-3415 CAST IRON 4 5/8"x 4 5/8"	
		002-2673 CONCRETE 4 5/8"x 4 5/8"	
		003-9172 BOX, CURB VALVE, PLASTIC	
		003-7762 BOX, CURB VALVE, PLASTIC (UP TO 1 1/4" VALVE)	
		003-8729 BOX, CURB VALVE, PLASTIC (2", 3", 4" VALVE)	
		002-2673 CURB VALVE BOX, CONCRETE COVER	
		003-9602 CAST IRON CURB VALVE BOX EXTENSION	
		003-3423 BOX, CURB VALVE, C.I. 24"	
		003-3365 BOX, CURB VALVE, C.I. 36"	
7		VALVE, PLUG, SERVICE HEAD	G-100,298
		** FOR OPERATING PRESSURE OF 1 PSI OR MORE	
		* FOR OPERATING PRESSURE OF LESS THAN 1 PSI	
		374-2319 12" (FLANGED END) REGULAR PATTERN	
		374-2301 12" (FLANGED END) SHORT PATTERN	
		374-2293 8" (FLANGED END) REGULAR PATTERN	
		274-2285 8" (FLANGED END) SHORT PATTERN	
		374-2277 6" (FLANGED END) REGULAR PATTERN	
		474-2269 6" (FLANGED END) SHORT PATTERN	
		374-2335 4" (FLANGED END)**	
		374-2103 4" (SCREWED END)*	
		374-1345 3" (FLANGED END)**	
		374-0354 3" (SCREWED END)*	
		374-0321 2" (SCREWED END)	
		374-2095 1 1/2" (SCREWED END)	
		374-2434 1 1/4" (SCREWED END)	
		374-0248 1" (SCREWED END)	
6		000-0372 BRICK ,NO. 1 COMMON. RED	
5		020-1145 LOCK, CURB VALVE BOX	EO-13987-B
4		VALVE, PLUG, CURB	G-100,298
		374-2251 12" (WELD END)	
		374-2244 10" (WELD END)	
		374-2236 8" (COMP. END)	
		374-2210 6" (COMP. END)	
		374-2202 4" (COMP. END)	
		374-2194 3" (COMP. END)	
		374-2178 2" (COMP. END)	
		374-2160 1 1/2" (COMP. END)	
		374-2152 1 1/4" (COMP. END)	
3		COUPLING, COMPRESSION, RESTRAINING, CONDUCTIV	G-100,285
		337-9534 12"	
		337-9559 10"	
		337-8007 8"	
		337-7868 6"	
		337-7876 4"	
		337-8700 3"	
		337-1226 2" x 12"	
		337-8106 2" x 6"	
		337-8858 1 1/2"	
		337-8098 1 1/4"	
2		SEAL, LINK (PIPE SLEEVE SIZE)	G-8096
		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 8" (10 LINKS)	
		341-0750 3" x 6" (8 LINKS)	
		341-0750 2" x 4" (6 LINKS)	
		341-1048 1 1/2" x 3" (7 LINKS)	
		NON-STOCK 1 1/4" x 3" (8 LINKS)	
1		PIPE, STEEL, SCH. 40 COATED	G-8107
		323-0646 12"	
		323-0638 10"	
		323-0620 8"	
		323-0612 6"	
		323-0596 4"	
		323-0299 3"	
		323-0695 2"	
		323-0349 1 1/2"	
		323-0729 1 1/4"	
		323-0372 1"	

26	024-6660	TAPE, "WARNING GAS LINE BELOW"	G-8100
25	563-1395	WIRE, WHITE #10	G-8205
24		ELBOW, 90° COMPRESSION RESTRAINING	G-100,285
		337-3603 6" (WELD END)	
		337-2662 4" (WELD END)	
		337-8999 3"	
		337-9054 2"	
		337-9062 1 1/2"	
		337-9070 1 1/4"	
23		NIPPLE, STEEL, SHOULDER, SCH. 80	ASTM A53 GR.B
		330-1702 4" x 4 1/2"	
		330-1611 3" x 3 1/2"	
		330-1322 2" x 3 1/2"	
		330-3286 1 1/2" x 2 1/2"	
		330-2999 1 1/4" x 2"	
22		SLEEVE, WALL, SCH. 40 STEEL OR P.V.C. PIPE	G-8096
21		BOX CURB VALVE	EO-4045-C
		003-3365 CAST IRON (CV 36-P COMPLETE)	
		003-3423 CAST IRON (CV-24-P COMPLETE)	
		003-7762 PLASTIC (COMPLETE PACKAGE)	
20	686-0134	ROCKSHIELD, PLASTIC MESH	
19		BEND, PIPE, RISER	
		003-0700 2"	
		003-1047 3"	
18		338-5622 CAP, VENT, 3/4"	G-399
17		320-1654 PIPE, STEEL, 3/4", SCH. 40.	G-8107
16		058-3534 THERMIT WELD	G-100,279
ITEM NO.	CLASS & STOCK NO.	DESCRIPTION	DWG. OR SPEC. NO.

BILL OF MATERIAL

THIS DRAWING IS REFERENCED IN SPECIFICATION G-8100
FOR NOTES SEE INSTALLATION DWG. EO-16629-A SHEET 1 OF 2

INSTALLATION OF STEEL GAS SERVICE PIPING BILL OF MATERIAL	
CONSOLIDATED EDISON COMPANY OF N.Y., INC. GAS OPERATIONS DEPT.	
DATE 3/21/84	DWG. NO. EO-16629-B REV. 3
LAST REV. 6/22/11	SHEET 2 OF 2

BILL OF MATERIAL