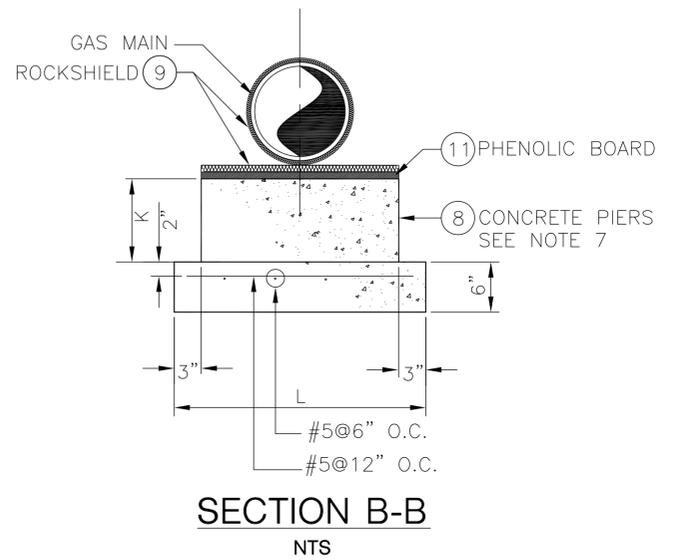
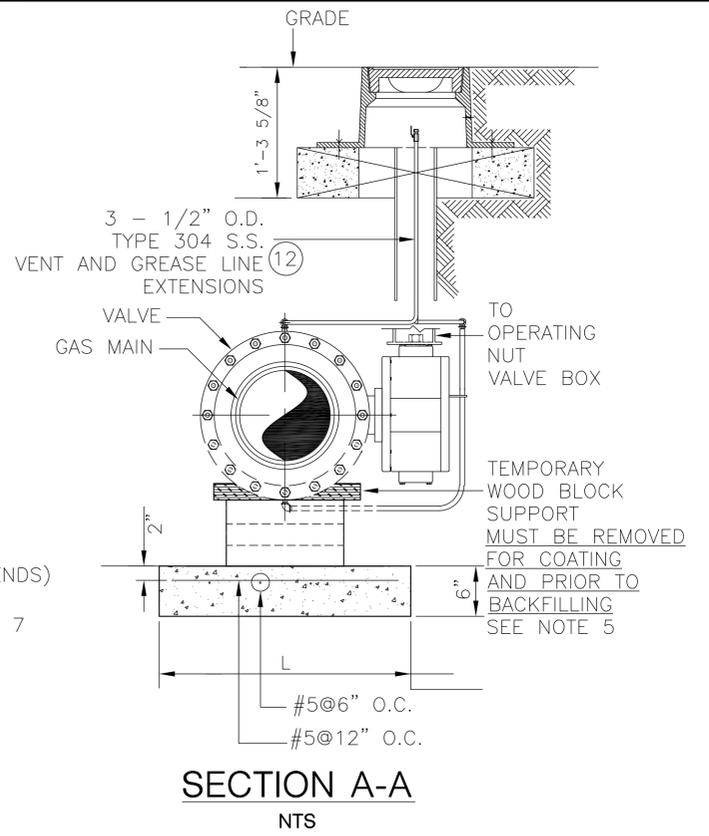
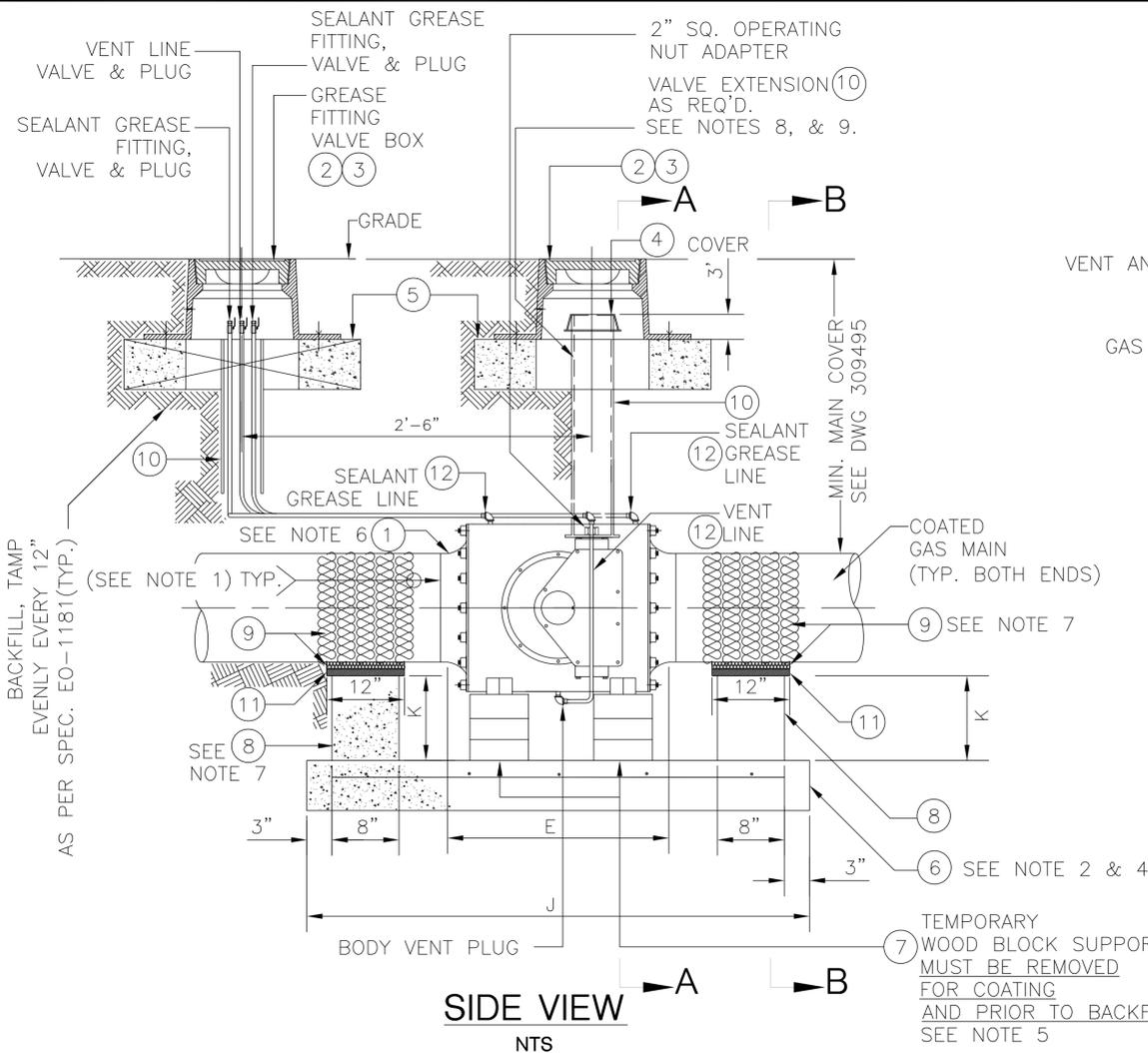


EO-13911-A

REVISIONS

S. BENISH 10/19/00	7	REDRAWN TO AUTO-CAD AND UPDATED DWG.
C.W. 10/19/00		
S. BENISH 11/16/00	8	UPDATED DWG. AND DELETED ROCKWELL VALVE
C.W. 11/16/00		
P. BERNASCONI 7/27/06	9	ADDED: 12" VALVE AND VALVE BOX FOR GREASE FITTINGS 8" NAPOLI CAP CONCRETE SUPPORTS FOR 36" VALVE REVISED NOTE 4 COMBINED NOTES 5 AND 9 REARRANGED NOTES 7, 8, 10, 11, 12, 14, AND 16. ADDED NOTES 12, 13, 15 AND 17. DELETED NOTES 6, 13, 15, AND 17 - 19
A. NG 7/27/06 C.P. 7/27/06	10	REVISED TO CORRECT CONFLICTING DATES AS PER QA REVIEW
H. THORNE 09/19/08		
M. TURANCHIK 10/15/09	11	REORGANIZED AND CLARIFIED NOTES REVISED TO ADD NOTE # 18 AND CHANGE VALVE NAME TO GROVE / DELTA
H.D. 10/08/09		
J. POWERS 11/20/13	12	CHART-1 REVISED CORRECTED VIEW NAME ADDED 'K' DIMENSION
D.J. 11/07/2013		
J. POWERS 5/5/21	13	ADDED SECTION B-B. REVISED SIDE VIEW, SECTION A-A, NOTES & CHART-1. ADDED ITEMS 11 & 12. D.J. 5/5/21



NOTES:
(THIS DRAWING APPLIES ONLY TO NEW INSTALLATIONS)

- 1- WELDS SHALL CONFORM TO CON EDISON SPEC. G-1064.
- 2- EXCAVATE AND PLACE CONCRETE BASE SLAB. SLAB TO REST ON UNDISTURBED OR WELL TAMPED EARTH, SEE CHART 1.
- 3- COAT VALVE (HOT COAL TAR) AND PIPE IN ACCORDANCE WITH CON EDISON SPEC. G-8209.
- 4- REINFORCING BARS SHALL BE DEFORMED, BILLET STEEL, EPOXY COATED AND SHALL CONFORM TO A.S.T.M. SPEC. DES. A-615 GRADE 40 WIRE TIE ALL BARS AT CONTACT POINT.
- 5- SET VALVE IN PLACE AND SUPPORT ON TEMPORARY WOOD BLOCK, ITEM #7. TEMPORARY WOOD BLOCK SUPPORTS TO BE REMOVED AFTER, COMPLETION OF NOTE 7.
- 6- VALVE TO BE CENTERED BETWEEN PIERS.
- 7- PIPE SHALL BE CHECKED WITH HOLIDAY DETECTOR AS PER G-8201 PRIOR TO INSTALLATION OF ROCKSHIELD. INSTALL TWO LAYERS OF ROCKSHIELD AROUND THE COATED PIPE SECURING IT TIGHT ON THE PIPE WITH TIE WRAPS. PRIOR TO FIELD POURING CONCRETE PIERS, WRAP PIPE WITH TEMPORARY PLASTIC SHEETING TO PREVENT CONCRETE IMPREGNATION OF ROCKSHIELD. POUR CONCRETE PIERS. AFTER SETTING OF PIERS, PLACE LAYERS OF PHENOLIC BOARD (MIN. 2) & ADDITIONAL ROCKSHIELD (MIN. 2). ALLOW CONCRETE PIERS TO CURE FOR (3) DAYS PRIOR TO LOADING.
- 8- THE FIBERGLASS-EPOXY PIPE (ITEM 10) SHALL BE CUT TO FIT EACH INSTALLATION.
- 9- VALVE EXTENSION IS REQUIRED FOR COVER GREATER THAN OR EQUAL TO 48", SEE EO-15636-C.
- 10- PRIOR TO INSTALLATION, ALL VALVES SHALL BE OPERATED FROM THE EXTREME OPEN POSITION TO THE CLOSED POSITION AND BACK TO THE OPEN POSITION INSURING THAT THE BALL IS TURNING. THIS SHALL BE PERFORMED BY A QUALIFIED MECHANIC AND A VALVE REPORT SHALL BE WRITTEN FOR EACH VALVE.
- 11- BALL VALVE SHALL BE IN ACCORDANCE WITH PURCHASE AND TEST SPECIFICATION G-100,298.
- 12- WHERE VALVES ARE REQUIRED TO BE LOCKED SEE EO-7291-C.
- 13- SOAP TEST ALL VALVE PLUGS, FITTINGS, PIPING AND JOINTS AT LINE PRESSURE OR DURING THE PRESSURE TEST, PRIOR TO VALVE COATING AND BACKFILLING, VENT LINE IS TO BE PURGED AT LINE PRESSURE IF MAIN IS HYDRO TESTED.
- 14- INSTALL VALVE TAG ON COVER AS PER EO-17111.
- 15- CAMERON VALVES LARGER THAN 8" ALSO HAVE STEM GREASE FITTINGS WHICH NEED TO BE BROUGHT UP TO THE STREET BOX (EXCEPT FOR LOW PRESSURE - SEE NOTE 18).
- 16- CAMERON VALVES LARGER THAN 24" AND GROVE/DELTA VALVES LARGER THAN 20" HAVE 2 GREASE FITTINGS PER SEAT FOR A TOTAL OF 4 PER VALVE TO BE BROUGHT TO THE STREET BOX (EXCEPT FOR LOW PRESSURE - SEE NOTE 18).
- 17- RELOCATION OF GREASE FITTINGS LINES AND BODY VENT LINES SHALL BE PERFORMED BY PRESSURE CONTROL PRIOR TO GASSING IN (EXCEPT FOR LOW PRESSURE - SEE NOTE 18).
- 18- VALVES OPERATING AT LOW PRESSURE DO NOT REQUIRE THE GREASE FITTINGS TO BE BROUGHT UP TO A STREET BOX.

BILL OF MATERIAL

NO. ITEM	QUANTITY	DESCRIPTION	SPEC. NO. DWG. OR	STOCK NO.
1	1	BALL VALVE 150# OR 300# RATING	G-100, 298	_____
2	2	STREET VALVE BOX	EO-4019-C	003-3381
3	2	STREET VALVE BOX COVER	EO-4019-C	003-3407
4	1	8" NAPOLI CAP	_____	341-2459
5	2	PRECAST CONCRETE BASE	_____	_____
6	SEE CHART -1	CONCRETE SLAB-CLASS II (FIELD POURED)	EO-1008	_____
7	AS REQ'D.	BED BLOCKS & WEDGES, NOT CREOSOTED (TEMPORARY)	EO-5315-D	_____
8	SEE CHART -1	CONCRETE PIER-CLASS II, (FIELD POURED)	EO-1008	_____
9	2	ROCKSHIELD, 3/16" THK. (CUT TO SUIT)	_____	686-0134
10	1	8" RED-THREAD FIBERGLASS-EPOXY PIPE	_____	341-2442
11	MINIMUM 2	PHENOLIC BOARD, FULL WIDTH OF SUPPORT, 1/4" THK.	_____	_____
12	AS REQ'D.	1/2" TYPE 304 STAINLESS STEEL LINE	_____	_____

**CHART-1
CONCRETE SLAB DIMENSION**

VALVE SIZE INS.	E (IN)		J INS.	L INS.	SLAB CU. YD.	K (IN)	
	CAMERON	GROVE/DELTA				CAMERON	GROVE/DELTA
4	14	—	47	12	0.07	16	—
6	18	18	47	12	0.07	15.5	15.5
8	21.5	20.5	49	13	0.09	18	16.5
10	23.5	22	52	16	0.11	19	17.5
12	25.5	25	55	20	0.14	20	18.5
16	30.5	33	62	26	0.21	21	20
20	35.5	39	68	30	0.26	22	21.5
24	42	45	74	36	0.34	24	23.5
30	49	55	84	42	0.45	26.5	26
36	56.5	68	97	46	0.58	29	27.5

INSTALLATION OF 4" -36" WELDED END BALL VALVE AND VALVE BOX

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

DATE 8/24/70
LAST REV. 5/5/21

DWG. NO. **EO-13911-A** REV. **13**