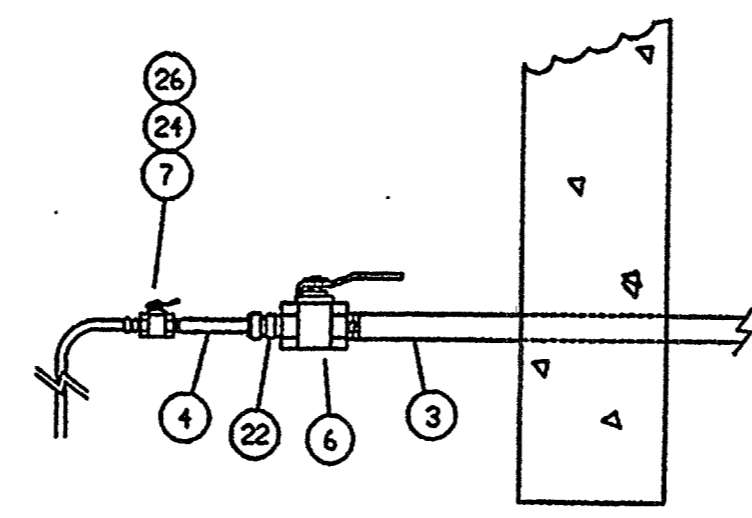


**CONSTRUCTION NOTES:**

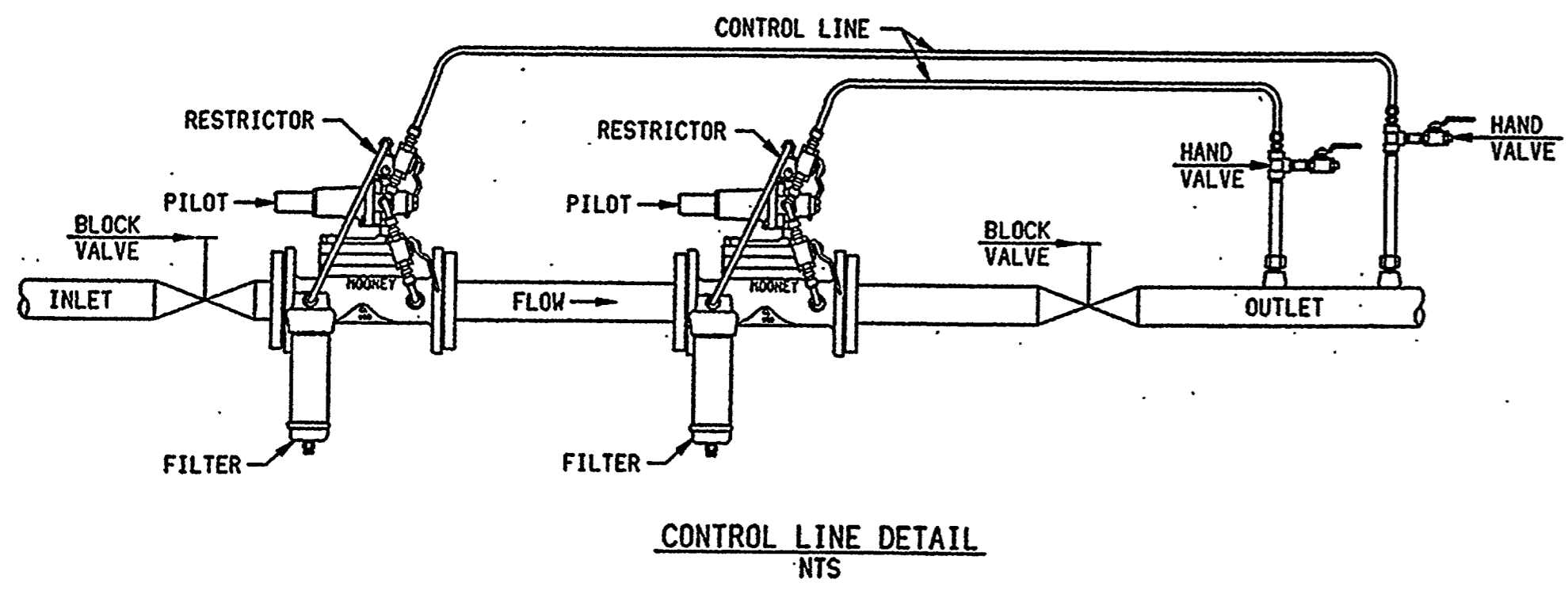
1. NON-CORROSIVE PAINT SHOULD BE USED FOR COATING EXPOSED PIPE IN REGULATOR VAULT.
2. ALL BURIED WELD JOINTS WILL BE WRAPPED WITH POLYETHYLENE TAPE MEETING SWG MS C-3 OR C-5 SPECIFICATIONS.
3. SUGGESTED GAS LOCATIONS ARE TO CLEAR SUBSTRUCTURES. LOCATE IN FIELD.
4. ALL PIPELINE CONSTRUCTION SHALL CONFORM TO APPLICABLE JURISDICTION SPECIFICATIONS.
5. DO NOT SCALE THIS DRAWING.

WORKER/MONITOR	
MINIMUM INLET PRESSURE	75 PSIG
OUTLET PRESSURE (DELIVERY)	55 PSIG
REGULATOR CAPACITY @ 70%	508 MCFH



CONTROL PIPING  
**DETAIL "A"**  
NTS

CALL BEFORE YOU DIG  
CAN YOU DIG IT!  
1-800-227-2600  
(48Hrs. Advance Notice Required)



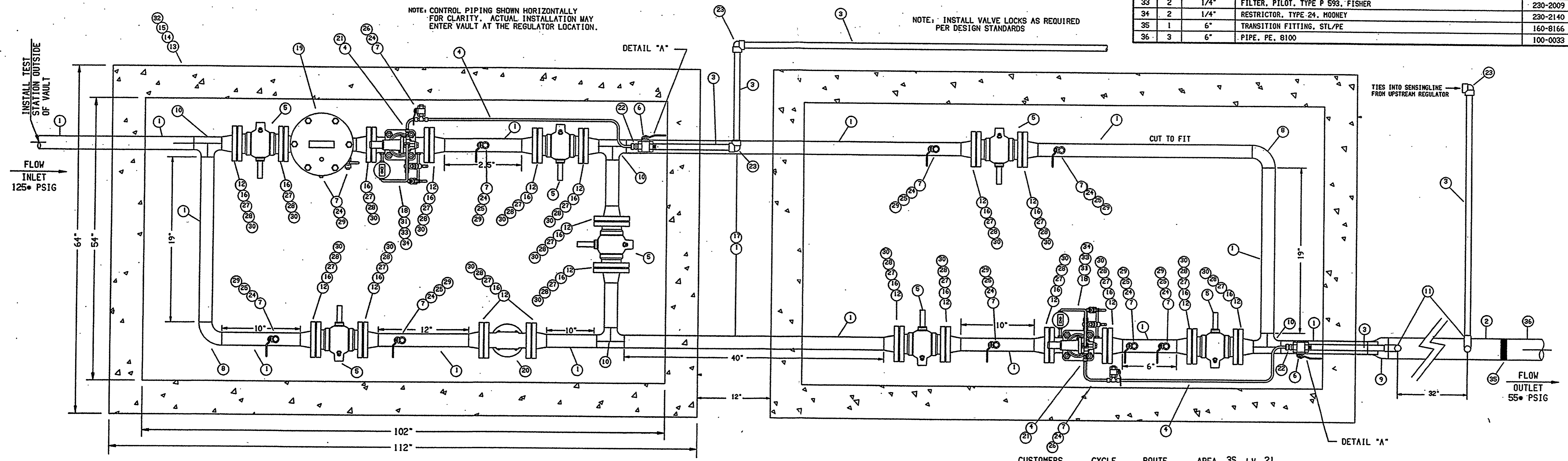
**CONTROL LINE DETAIL**  
NTS

SOUTHWEST GAS MATERIAL STRENGTH TEST PRESSURE REPORT  
PROJECT: NEWPORT LOFTS REG STATION X624Y512-1-DR  
WR#: 202809  
PAGE:  
DATE: 9/12/05  
LOCATION: LAS VEGAS GRAND CENTRAL N/O CHARLESTON  
DESIGN MAOP: 720  
CLASS: 4  
TEST MEDIUM: NITROGEN  
SUMMARY:  
Footage to be tested: 100 FEET  
Minimum test pressure: 1,080 PSIG  
Maximum test pressure: 1,110 PSIG  
Minimum test duration: 1 HOUR  
COMMENTS:  
COMPLETED BY: SHERIDAN GREEN DATE: 9/12/05

MATERIAL LIST					
ITEM	QTY.	SIZE	DESCRIPTION	STOCK #	
1	70'	4"	PIPE, BARE STL, API 5L GRADE B, ERW, 4-1/2" OD X .237" WT	100-0123	
2	3'	6"	PIPE, STL, COATED, API 5L, .280 WT, X-46	100-0127	
3	20	3/4"	PIPE, STL, COATED, SEAMLESS, 3/4" OD X .113" INC	101-1242	
4	7	3/8"	TUBING, STAINLESS STEEL, 3/8" OD X .035" WT	101-8400	
5	7	4"	VALVE, BALL, STL, 4" W/ FLANGED ENDS, ANSI CLASS 300	120-3771	
6	4	3/4"	VALVE, BALL, 3/4" W/ THREADED ENDS, 2000 PSIG MINIMUM	120-4123	
7	12	1/4"	VALVE, BALL, 1/4" W/ THREADED ENDS, 2000 PSIG MINIMUM	120-4110	
8	2	4"	ELBOW, STL WELD, 4", 90 DEGREE, STD WT, GRADE B	140-4057	
9	1	6"x4"	REDUCER, STL WELD, 6" X 4", 0.280" WT, PREQUALIFIED	140-5054	
10	4	4"	TEE, STL WELD, 4", STD WT, GRADE B	140-5375	
11	2	3/4"x1"	TEE, AUTOPERF, SERVICE, 3/4" X 1", 1/2" INLET, 3	160-8008	
12	18	4"	FLANGE, STL, WELD NECK, 4", ANSI CLASS 300, RF	162-6696	
13	2	54"x102"x48"	VAULT, BOTTOM, 54" X 102" X 48", JENSEN PRECAST SWG4878	163-8150	
14	2	54"x102"x24"	VAULT, EXTENSION (RISER), 54" X 102" X 24", JENSEN PRECAST SWG4686	163-8151	
15	2	54"x102"x6"	VAULT, COVER SLAB, 54" X 102" X 6", JENSEN PRECAST SWG4686	163-8155	
16	20	4"	GASKET, INSULATING, RING TYPE F, ANSI 300, 4"	170-8890	
17	2	4"	WRAP, PIPE, POLYETHYLENE TAPE, 4" X 50', 35 MILS, BL	781-8669	
18	2	4"	REGULATOR, MOONEY FLOWGRID, SINGLE PORT, 4", ANSI 300	230-1909	
19	1	4"	FILTER, 4", FLANGED, ANSI 300, RAISED FACE, 10 MICRON	250-3056	
20	1	4"	STRAINER, TEE TYPE, 4", STL, ANSI 300, FLANGE X FLANGE, 40 MESH SCREEN	250-5704	
21	2	3/8"x1/4"	CONNECTOR, MALE, 3/8" X 1/4", STAINLESS STEEL, TUBE	850-8733	
22	2	3/8"x3/4"	CONNECTOR, MALE, 3/8" X 3/4", STAINLESS STEEL, TUBE	850-8739	
23	3	3/4"	ELBOW, FORGED STL, SOCKET WELD, 3/4" 90 DEGREE, 3000	850-9042	
24	12	1/4"	PLUG, FORGED STL, SQUARE HEAD SOLID, 1/4", THREADED	850-9708	
25	8	-	THREAD-O-LET, FORGED CARBON STL, 1-1/4" TO 2-1/2"	850-9400	
26	2	3/8"x1/4"	TEE, STAINLESS STEEL, 3/8" X 1/4", MALE BRANCH TUBE	850-9415	
27	160	3/4"x4-1/2"	BOLT, STD, B-7, 3/4" X 4-1/2", FULL THREAD	851-8297	
28	320	3/4"	WASHER, FLAT, 3/4", ZINC PLATED STL, TYPE SAE	850-9360	
29	10	1/4"x2"	NIPPLE, STL, XH, SCHEDULE 80, 1/4" X 2", THREADED	852-0701	
30	320	3/4"	NUT, HEAVY HEX, 3/4", ASTM A-194, GRADE 1 OR 2 H FOR STUD BOLTS	851-9132	
31	2	1/4"	PILOT, REG, MOONEY SERIES 20, BLACK SPRING, 25-90 PSIG	230-1778	
32	2	44"x102"x3-1/2"	VAULT, COVER, GALVANIZED, 54" X 102" X 3-1/2"	163-8500	
33	2	1/4"	FILTER, PILOT, TYPE P 593, FISHER	230-2009	
34	2	1/4"	RESTRICTOR, TYPE-24, MOONEY	230-2140	
35	1	6"	TRANSITION FITTING, STL/PE	160-8166	
36	3	6"	PIPE, PE, 8100	100-0033	

NOTE: CONTROL PIPING SHOWN HORIZONTALLY FOR CLARITY. ACTUAL INSTALLATION MAY ENTER VAULT AT THE REGULATOR LOCATION.

NOTE: INSTALL VALVE LOCKS AS REQUIRED PER DESIGN STANDARDS



CUSTOMERS \_\_\_\_\_ CYCLE \_\_\_\_\_ ROUTE \_\_\_\_\_ AREA 3S LV 21

SEE SHEET 1 REVISIONS NO. DESCRIPTION BY DATE APPVD.	AS-BUILT DRAWING-PRESSURE TEST DATA PIPE DIA. _____ TEST MEDIUM TEST METHOD <input type="checkbox"/> AIR <input type="checkbox"/> GAUGE <input type="checkbox"/> NITROGEN <input type="checkbox"/> CHART PIPE LENGTH _____ <input type="checkbox"/> WATER <input type="checkbox"/> GAUGE/ PIPE TYPE _____ <input type="checkbox"/> SOAP PRESS REC SW MIN. DURATION _____ START _____ END _____ TEST PRES. (PSIG) _____ TIME _____ DATE _____ PERFORMED BY _____		VISUAL INSPECTION CERTIFICATION I HAVE VISUALLY INSPECTED ALL HEATED FUSIONS, SOLVENT CEMENT, MECHANICAL JOINTS, AND WELDS THAT I HAVE PERFORMED NAME _____ DATE _____ AS-BUILTS ACCEPTED BY _____ DATE _____ POSTED BY _____ DATE _____ POSTING O'D BY _____ DATE _____		CONSTRUCTION INSPECTOR _____ FOREMAN _____ REVIEWED BY _____ PERMIT INFORMATION Tax Code Area-02-0203 CITY OF LAS VEGAS		ISOLATION AREA HP-125-27 DIST-95 LOCATION ATLAS TILE # SEC 33 T20S R61E W. R. NO. 202809 x624y512		ENGINEER/TECHNICIAN SHERIDAN GREEN PHONE 365-2014 ACCOUNT REP. KELLI JACKSON PHONE 528-7708 PROJECT CONTACT ROCKY DERRICK 702-434-4346 SHEET NO. 2 OF 2 SCALE NTS DATE 9/12/05 DWN. BY ROWENA CHKD. BY _____ APPVD. BY _____ TITLE <b>NEWPORT LOFTS REG STATION</b> <b>X624Y512-1-DR</b> GRAND CENTRAL PKWY. N/O CHARLESTON AVE. FILENAME: 21-202809-1	
	UNIT NO. _____ UNIT TYPE _____ INSTL. RET. INSTL. RET. PROPOSED COMPLETED PROPERTY UNITS									



85538

10N 4409-SWG