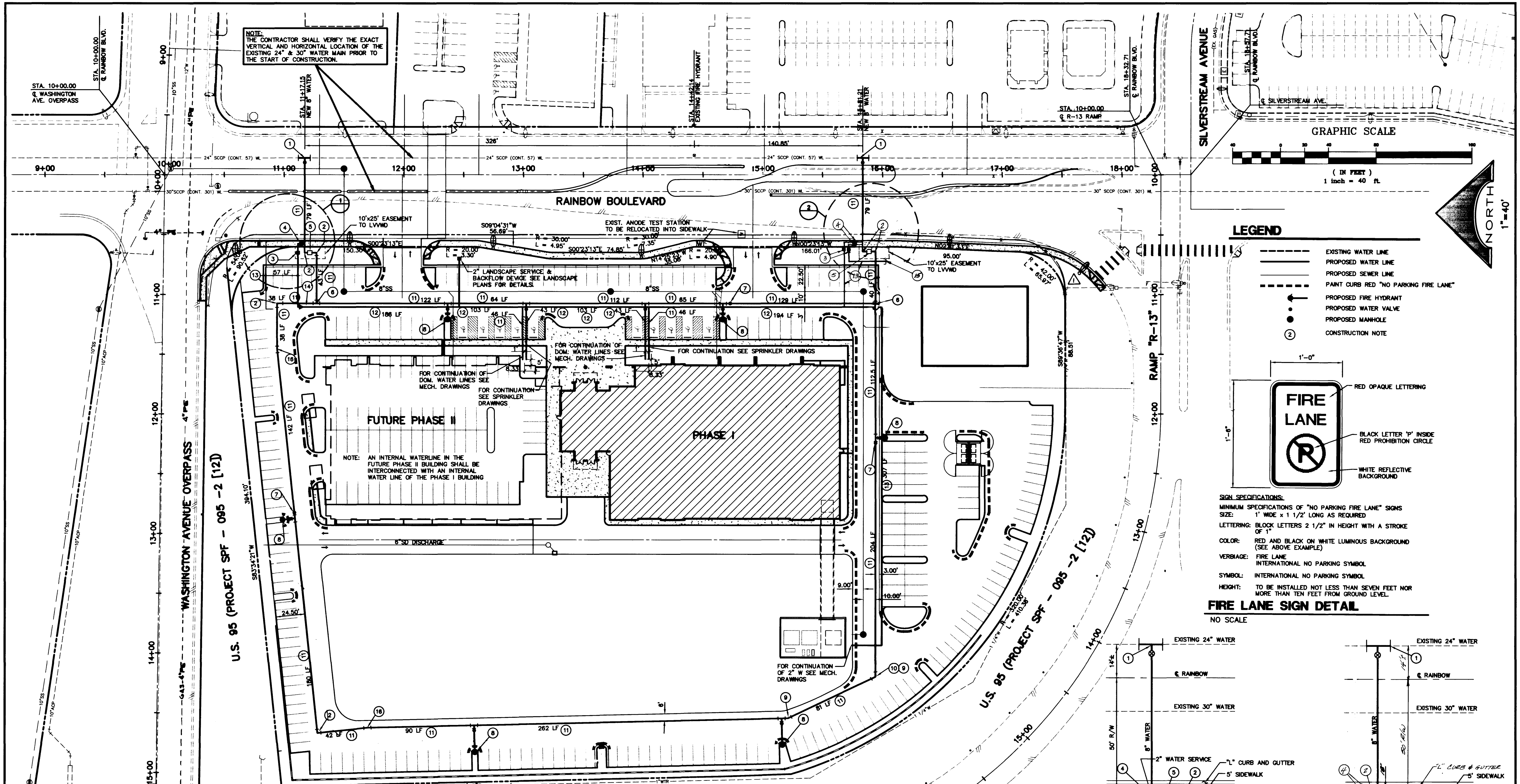




ESTIMATE OF QUANTITIES

1	24"x24"x8" KOPPEL TAP W/8" TAPPING VALVE	2 EA
2	8"x90" ELBOW	6 EA
3	2" RPPA	3 EA
4	2" METER & SERVICE	3 EA
5	8" DOUBLE CHECK DETECTOR ASSEMBLY	2 EA
6	8"x8"x8" TEE	2 EA
7	8" GATE VALVE	3 EA
8	FIRE HYDRANT ASSEMBLY (PRIVATE)	6 EA
9	8"x22 1/2" ELBOW	1 EA
10	8"x45" ELBOW	1 EA
11	8" PVC WATER MAIN	1809 LF
12	3" PVC WATER MAIN	556 LF
13	2" PVC WATER MAIN	194 LF
14	2"x3" REDUCER	1 EA
15	2" PVC CAP	1 EA
16	8"x11 1/4" ELBOW	2 EA
* FIRE HYDRANT ASSEMBLY INCLUDES TEE, GATE VALVE, RISER, THRUST BLOCK AND ALL OTHER HARDWARE PER UDACS STD. DWG. No. 7		
** 24" SCOP - 10 GA. 0.1345" 3/4" MORTAR LINING, 3/4" MORTAR COATING, 12 GA. SPIRAL WOUND STEEL REINFORCING @ 1 1/2" SPACING		

BENCHMARK

1LV00-26W4
ELEVATION = 724.7549 METERS (NAV808)
2377.80'

RIVET AND PLATE IN TOP OF CURB, NORTHEAST RETURN OF RAINBOW BOULEVARD AND WASHINGTON AVENUE.

OWNER/DEVELOPER

BORMAN DEVELOPMENT
3120 MEAD AVENUE
LAS VEGAS, NEVADA 89102
(702)876-8686

BASIS OF BEARING

SOUTH 89°36'27" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 60 EAST, W.D.M., AS SHOWN ON A MAP ON FILE IN FILE 56, PAGE 96 OF SURVEYED IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

REDUCED PRESSURE PRINCIPAL ASSEMBLY (3) - 2"

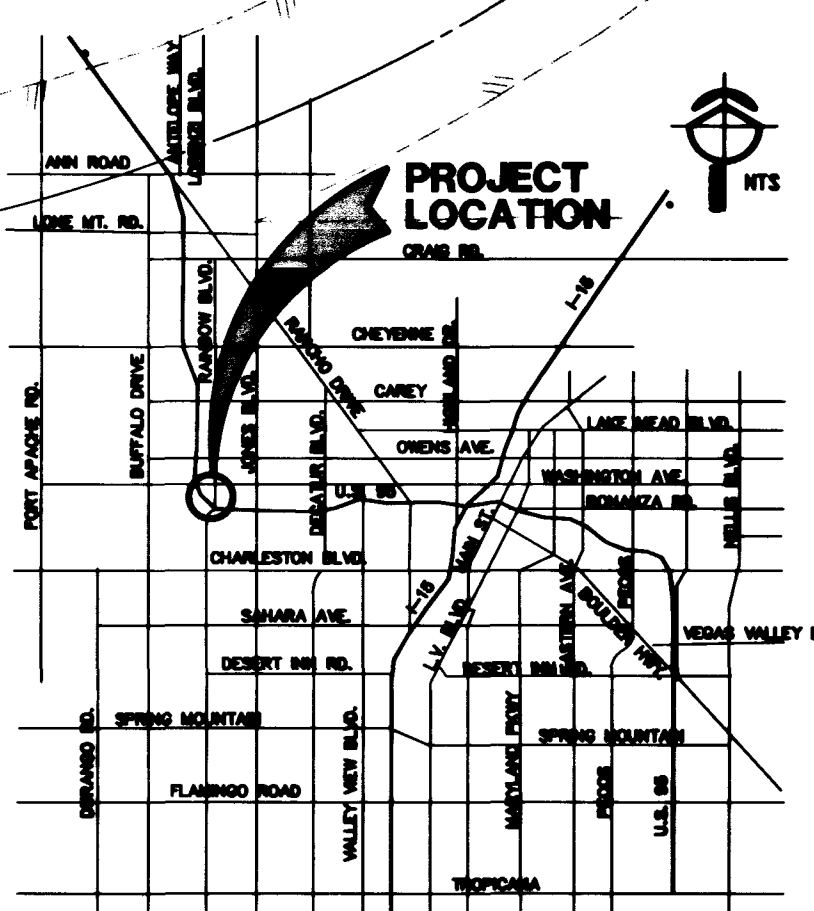
APPROVED REDUCED PRESSURE PRINCIPAL ASSEMBLY(S) [RPPA] SHALL BE INSTALLED PER THE STANDARD PLATE No. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPAL ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVMD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENTS(S), SO AS TO ALLOW THE DISTRICT ACCESS TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY.

DOUBLE CHECK VALVE ASSEMBLY (2) - 8"

APPROVED DOUBLE CHECK VALVE ASSEMBLY(S) SHALL BE INSTALLED PER THE DISTRICT'S STANDARD PLATE No. 208.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENTS(S), SO AS TO ALLOW THE DISTRICT ACCESS TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY.



VICINITY MAP
NOT TO SCALE

DETAIL
NO SCALE

FIRE FLOW INFORMATION

FIRE FLOW REQUIREMENT IS: 2,750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:	149,043 S.F.
SQUARE FOOTAGE	
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	149,043 S.F.
BUILDING HEIGHT:	3 FEET
NUMBER OF STORIES:	III ONE HOUR
TYPICAL CONSTRUCTION:	COMM.
OCCUPANCY:	YES
FULL AUTOMATIC SPRINKLERS SYSTEM:	
REVIEWED BY:	7/9/98
DATE:	

DETAIL
NO SCALE

APPROVALS

	9/18/98
LAS VEGAS VALLEY WATER DISTRICT	DATE
	7/22/98
CLV. FIRE DEPARTMENT	DATE

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 2750 GPM AT 20 P.S.I. RESIDUAL.

DESIGNED BY: RF
DRAWN BY: SAW
CHECKED BY: [Signature]
JOB NUMBER: 98-003-982
REVISION: 1. Add S.C. E. FIRE DEPT. CLV. F.D. 1. 7-22-98
2. Remove Waterbury Energy Pump

NO.	DATE	BY
1	7-22-98	RF

L. R. NELSON CONSULTING ENGINEERS, INC.
3035 East Patrick Lane
Las Vegas, Nevada 89120
(702) 798-7978
(702) 451-2296 FAX

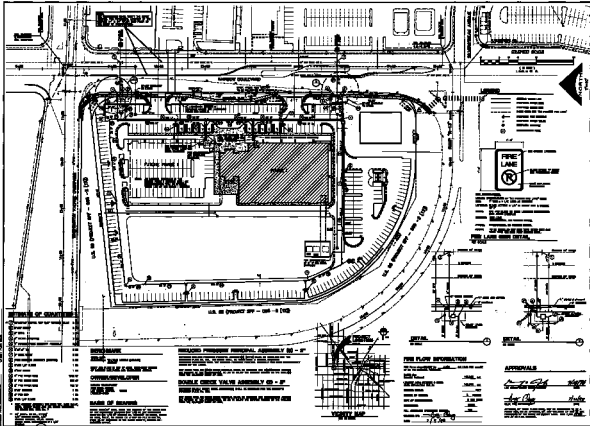
• STRUCTURAL
• CIVIL
• SURVEY

RAINBOW CORPORATE CENTER
BORMAN DEVELOPMENT
CITY OF LAS VEGAS, NEVADA

SHEET NUMBER
6
OF 12 SHEETS
693-003-982

10103/10274 10578 11924 13995

107-12837



NORTH

SCALE

1" = 100'

REVISIONS

NO.	DATE	DESCRIPTION
1	10/1/77	ISSUED FOR PERMIT

PROJECT DATA

PROJECT NO. 100-100-100

DATE 10/1/77

BY 100-100-100

CHECKED 100-100-100

APPROVED 100-100-100

APPROVALS

100-100-100

100-100-100

100-100-100

NOTES

1. SEE SHEET 100-100-100 FOR DETAILS.

2. SEE SHEET 100-100-100 FOR DETAILS.