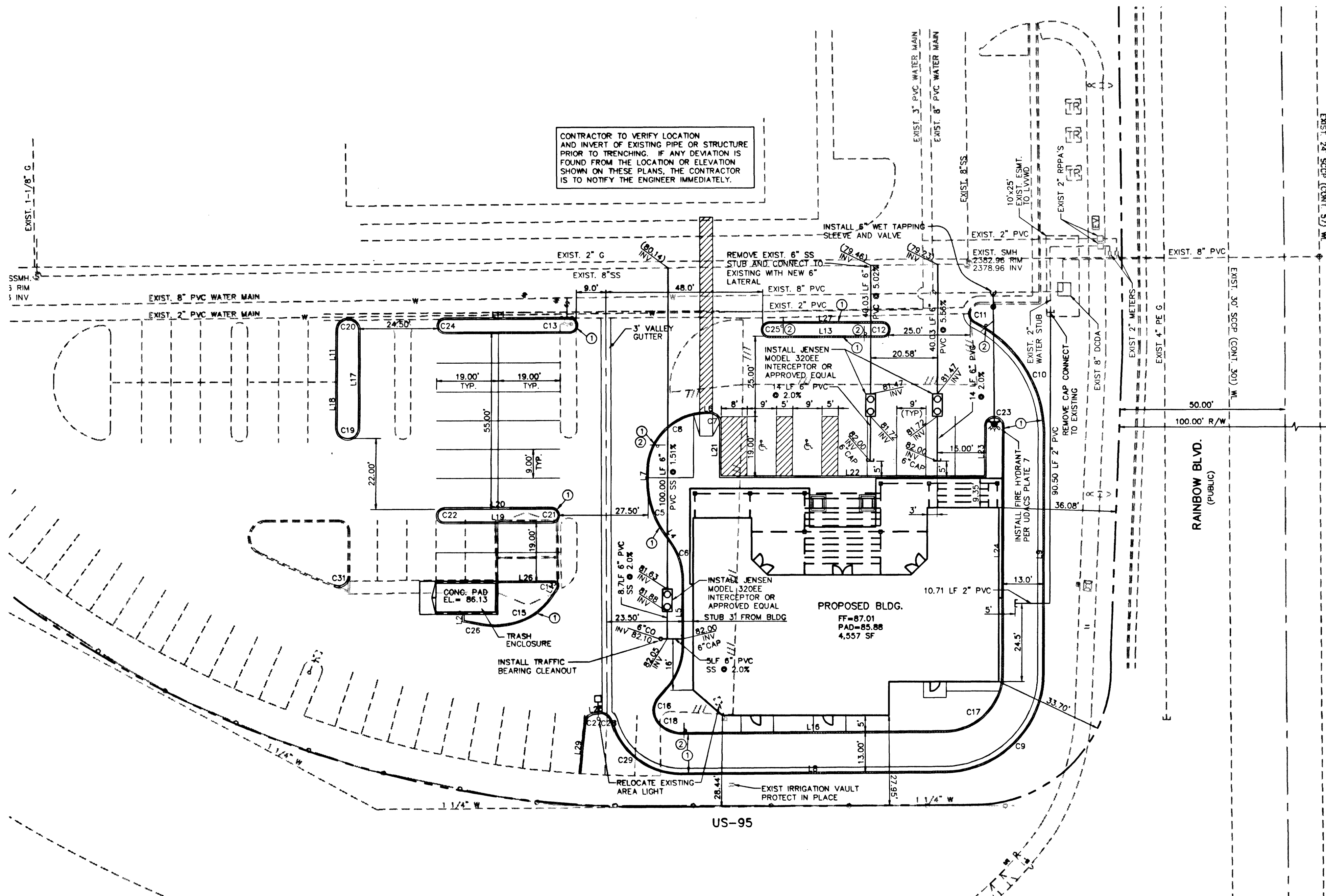
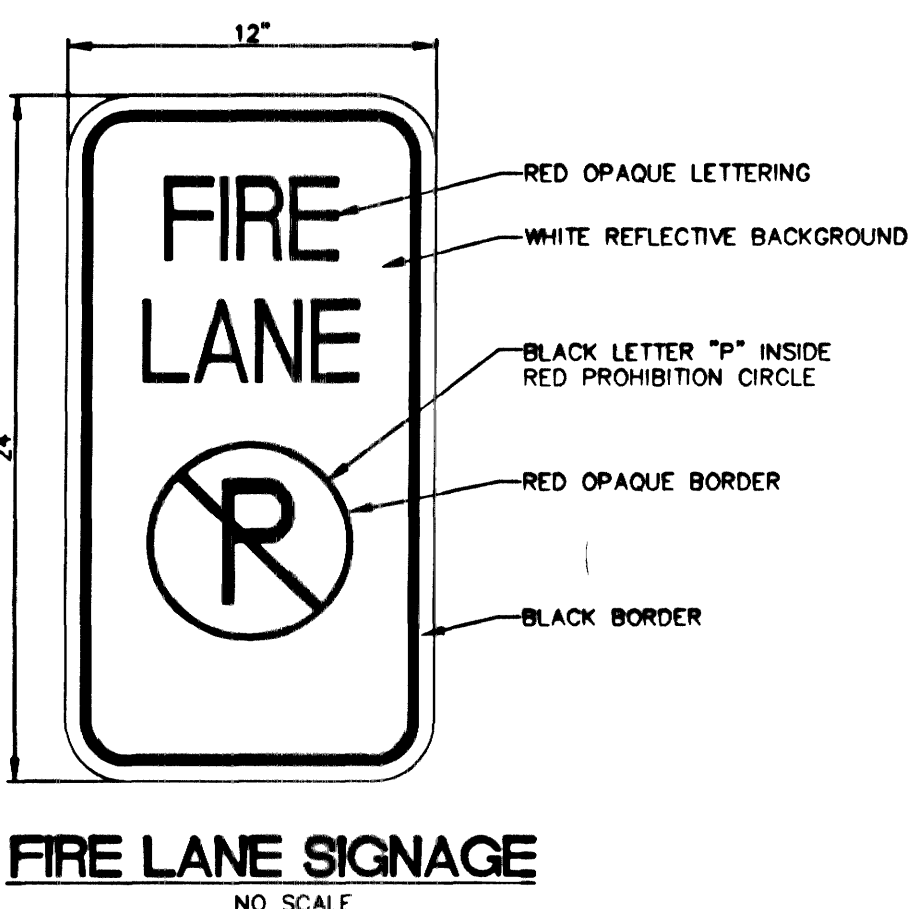
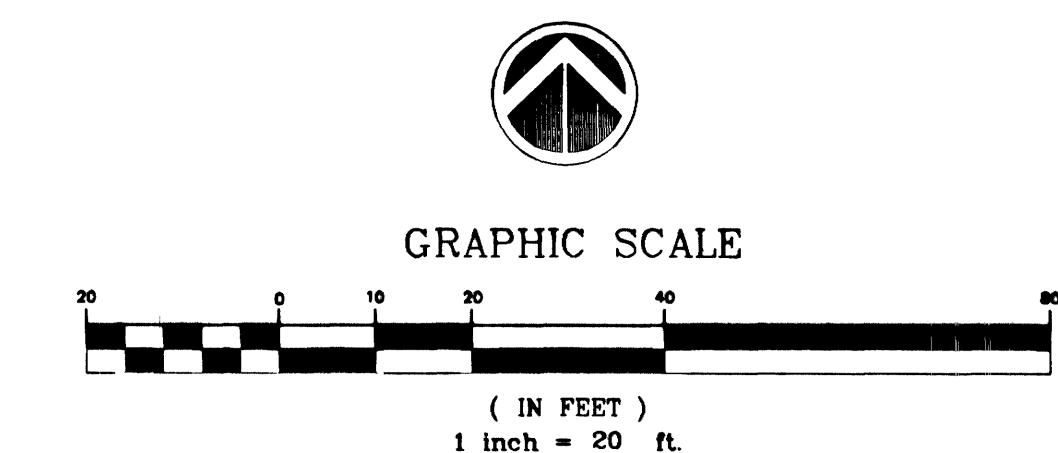




BACK OF CURB LINE TABLE		
LINE	LENGTH	BEARING
L2	5.90	N40°05'13"E
L3	15.85	S00°00'00"E
L4	4.41	S34°22'27"E
L5	4.57	S00°00'00"E
L6	0.98	N90°00'00"W
L7	2.71	S00°00'00"E
L8	80.28	S89°36'47"W
L9	74.73	S00°01'09"W
L11	15.28	N00°01'09"E
L12	38.43	N89°58'51"W
L13	34.75	S89°59'54"E
L14	33.00	S89°59'59"E
L15	1.32	S29°25'39"W
L16	80.28	S89°36'47"W
L17	30.58	N00°01'09"E
L18	15.29	N00°01'09"E
L19	33.00	N89°58'51"W
L20	33.00	N89°58'51"W
L21	16.98	N00°01'09"E
L22	82.00	S89°58'51"E
L23	16.00	N00°01'09"E
L24	77.24	N00°01'09"E
L25	1.97	N00°00'00"W
L26	17.29	N89°58'46"W
L27	34.75	S89°59'54"E
L28	1.69	N82°10'56"E
L29	15.87	S05°33'54"W

BACK OF CURB CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C4	12.94	20.65	6.68	35°32'47"
C5	16.80	28.00	8.66	34°22'27"
C6	12.30	20.50	6.34	34°22'27"
C7	4.71	3.00	3.00	90°01'09"
C8	28.27	18.00	18.00	90°00'00"
C9	48.47	31.00	30.78	89°35'38"
C10	42.96	39.00	23.95	83°08'43"
C11	3.30	3.00	1.84	83°05'13"
C12	6.28	2.00	INFINITE	180°00'00"
C13	6.28	2.00	INFINITE	180°00'00"
C14	2.08	1.00	1.71	119°24'25"
C15	26.23	21.00	15.13	71°33'27"
C16	9.17	6.00	5.75	87°32'17"
C17	28.15	18.00	17.87	89°35'38"
C18	7.49	10.00	3.93	42°56'10"
C19	10.21	3.25	INFINITE	180°00'00"
C20	10.21	3.25	INFINITE	180°00'00"
C21	6.28	2.00	INFINITE	180°00'00"
C22	6.28	2.00	INFINITE	180°00'00"
C23	7.85	2.50	INFINITE	180°00'00"
C24	6.28	2.00	INFINITE	180°00'00"
C25	6.28	2.00	INFINITE	180°00'00"
C26	5.71	267.50	2.85	1°13'22"
C27	4.01	3.00	2.37	76°37'01"
C28	4.36	3.00	2.67	83°14'37"
C29	29.77	22.50	17.52	75°48'46"
C31	5.64	3.00	4.40	111°28'09"



CONSTRUCTION NOTES

- PAINT CURB RED W/ "FIRE LANE, NO PARKING"
- INSTALL "FIRE LANE, NO PARKING" SIGN PER DETAIL AT LEFT

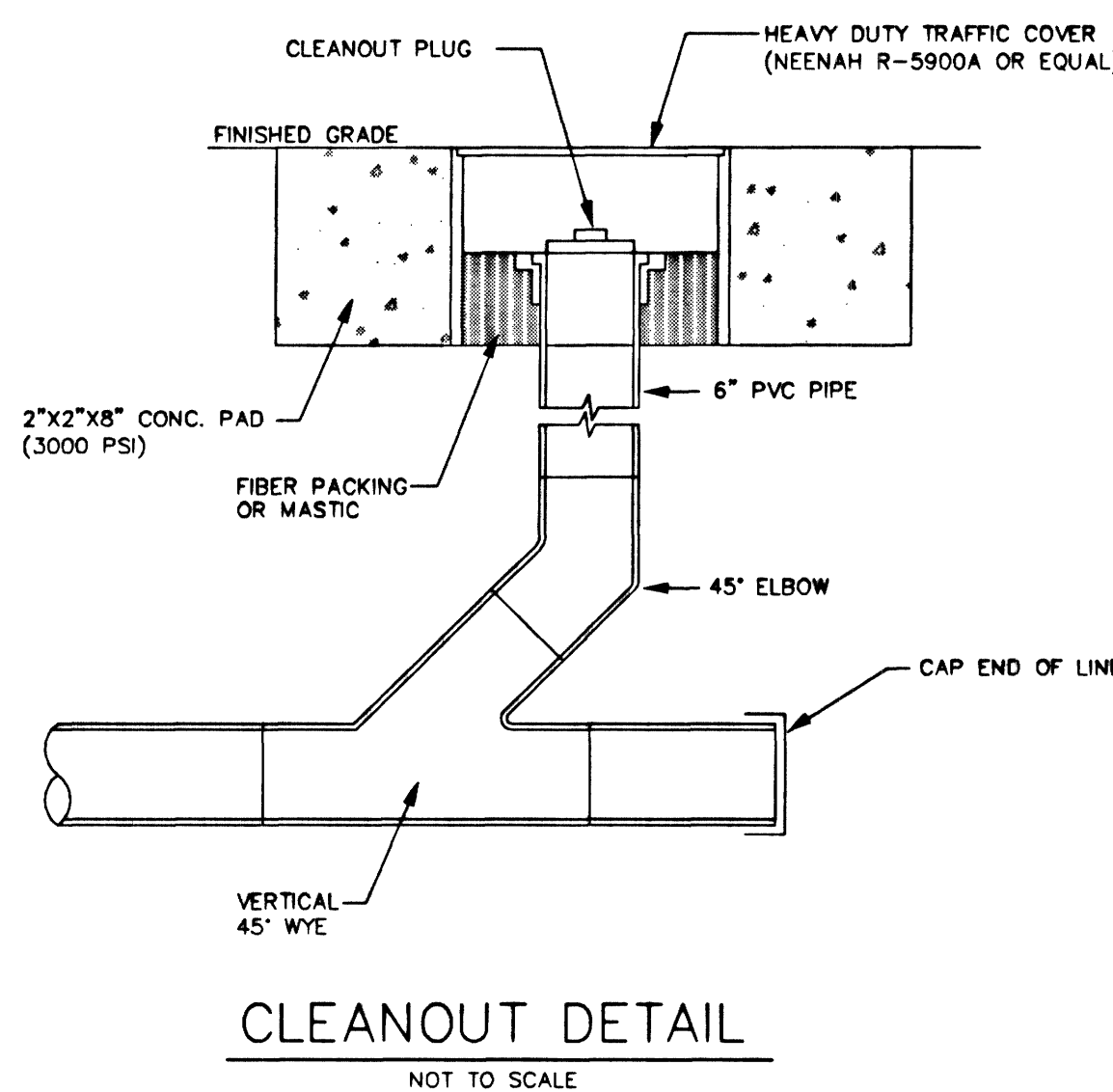
FIRE FLOW DATA

FIRE FLOW REQUIREMENT IS 1750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:
 SQUARE FOOTAGE: 4,500
 LARGEST AREA BETWEEN 4-HOUR AREA SEPERATION WALLS: N/A
 BUILDING HEIGHT: N/A
 NUMBER OF STORIES: 1 STORY
 TYPE OF CONSTRUCTION: V-N
 OCCUPANCY: N/A
 FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NO

APPROVAL OF THE FIRE DEPARTMENT HAVING JURISDICTION MUST BE OBTAINED PRIOR TO THE CITY OF LAS VEGAS APPROVING THE FINAL WATER PLAN.

REVIEWED BY: _____
 DATE: _____



SEWER CONTRIBUTION

4557 SF X 0.10 = 455.7 GPD
 455.7 GPD = 0.0005 MGD
 PEAK FACTOR = 3.5 FROM TABLE C
 PEAK FLOW CONTRIBUTION 0.0005 X 3.5 = 0.0016 MGD

BASIS OF BEARINGS

NORTH 00°23'33" WEST BEING THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN FILE 56 OF SURVEYS PAGE 96.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL RIVET AND PLATE IN TOP OF CURB NORTHEAST RETURN OF RAINBOW BOULEVARD AND WASHINGTON AVENUE

STATION 1LV00
 26W4
 ELEVATION= 724.7549 METERS (NAV88)
 2377.80 FEET

APPROVALS

CL.V. SEWER DATE
 CL.V. DEPARTMENT DATE
 L.V.V.W.D. DATE

HORIZONTAL CONTROL & UTILITY PLAN

RAINBOW CORPORATE CENTER, PHASE IIA

RAINBOW CORPORATE CENTER

CITY OF LAS VEGAS

TITLE

PROJECT

WORK ORDER NO. 011108.00

DESIGN BY: EF/MH/GT

DATE: 01/11/02

SCALE: 1"=20'

CADFILE: rchcup

SHEET 3 OF 5 SHEETS

CLV DWG NO. 107-Y 3/25 A

107-Y 3/25 A

107-Y 3/25 A