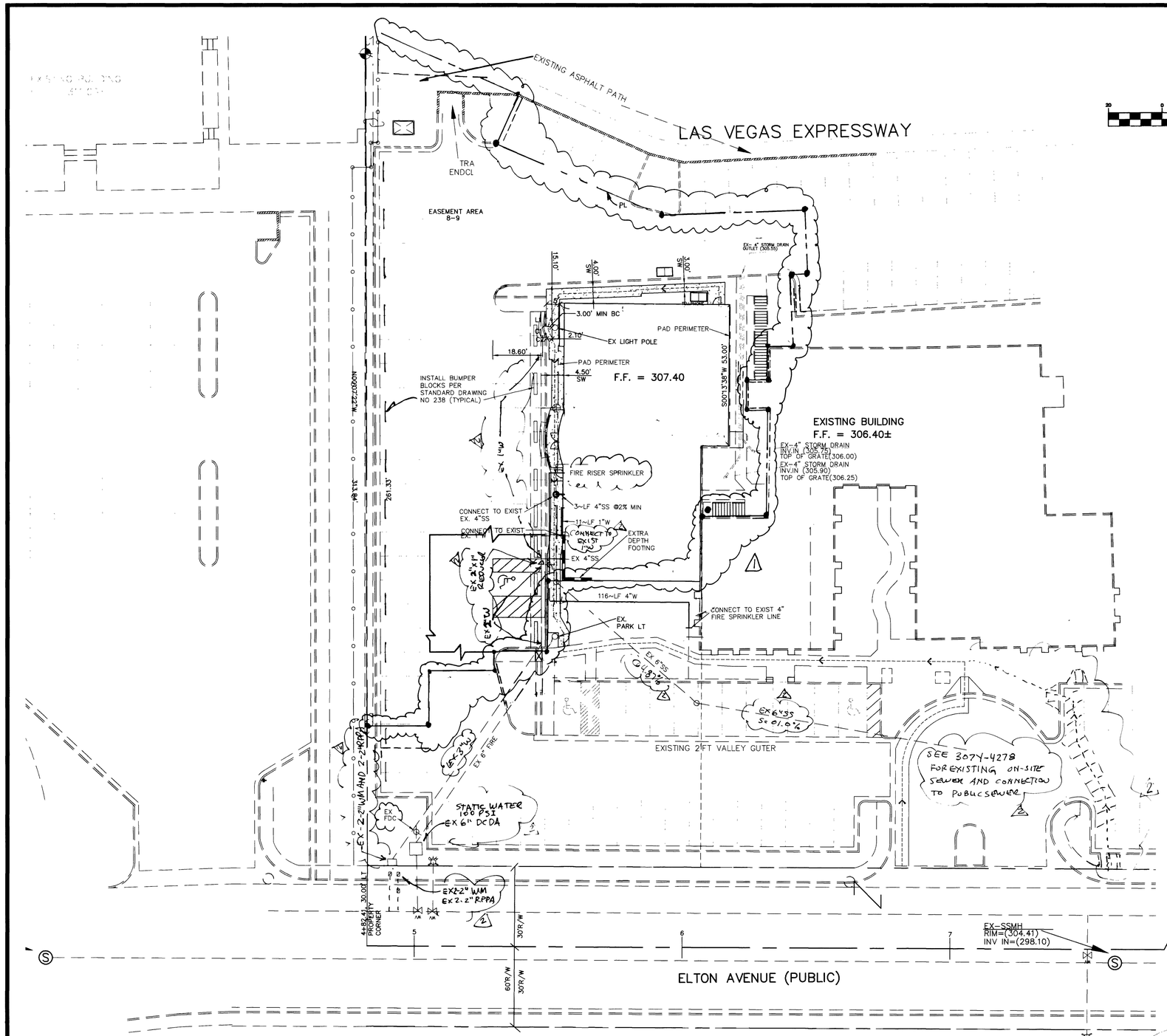
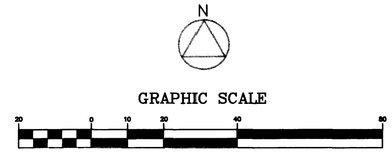
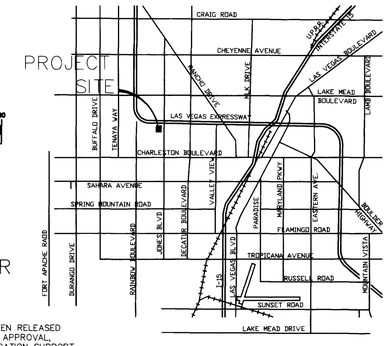






VICINITY MAP

LAS VEGAS VALLEY WATER DISTRICT NOTES
LVVWD PROJECT

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOURS NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.

2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.

3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENT, CLARK COUNTY AREA.

4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.

8. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:

   A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:

   A. POTABLE WATER SUPPLY QUALITY MATERIAL,
   B. ENCASEMENT, WITH FOUR(4) INCH CONCRETE (MINIMUM)
   C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

   EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.

9. WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX(6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.

10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.

11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO(2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT(48)HOURS PRIOR TO PICKUP.

12. CONSTRUCTION MAY INTERUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICES FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.

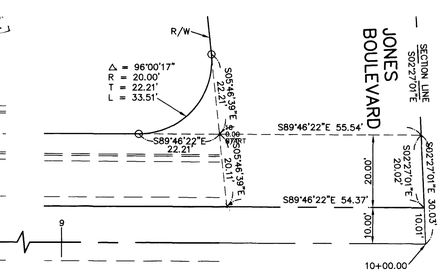
13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

NA

LVVWD DATE

LINE TABLE		
LINE	LENGTH	BEARING
L1	5.39	S08°53'26"W
L2	33.50	S00°06'52"E
L3	2.17	N88°57'17"E
L4	23.00	N89°52'38"E
L5	20.33	N00°07'22"W
L6	7.17	N00°07'22"W
L7	3.28	S89°46'22"E
L8	7.74	N89°46'22"W
L9	7.24	N00°13'38"E
L10	7.74	S89°46'22"E
L11	12.00	N00°13'38"E
L12	9.26	S89°46'22"E
L13	5.91	N87°32'36"E

CURVE TABLE		
CURVE	LENGTH	RADIUS
C1	2.65	4.08
C2	1.72	3.50



LAS VEGAS FIRE DEPARTMENT

FIRE FLOW IS: ~~4,500~~ 2500 GPM AT 20 PSI RESIDUAL PRESSURE

BASED ON:	~~11,716 SF~~	37,500SF
SQAURE FOOTAGE:	~~11,716 SF~~	37,500SF
LARGEST AREA BETWEEN 2-HR AREA SEPARATION WALLS:	~~11,716 SF~~	37,500SF
BUILDING HEIGHT	32 FEET	
NUMBER OF STORIES:	2 FLOORS	
OCCUPANCY:	B ~~2~~	
FULL AUTOMATIC FIRE SYSTEM:	YES	
CONSTRUCTION TYPE	V-N	

CITY OF LAS VEGAS FIRE DEPT. DATE 04.02

LEGEND

EXISTING	PROPOSED	
		RIGHT-OF-WAY
		PROPERTY LINE
		CENTERLINE
-W-	-W-	WATER LINE
-SS-	-SS-	SANITARY SEWER LINE
-G-	-G-	GAS LINE
-SD-	-SD-	STORM DRAIN
-E-	-E-	POWER LINE/POWER POLE
-T-	-T-	TELEPHONE LINE
		FIRE HYDRANT
		WATER VALVE
		METERS/PULL BOXES
		REDUCER
		MANHOLE
CO	CO	CLEANOUT
(00)	(00)	CONTOUR
		A.C. PAVING
		TYPE "L" CURB & GUTTER
		TYPE "A" CURB
		CONCRETE

EXISTING	PROPOSED	
		RETAINING WALL
		CHAIN LINK FENCE
		GRADE BREAK
		WIRE FENCE
FF=0.00	FF=0.00	FINISH FLOOR
(0.00) C.O. INV.	0.00 C.O. INV.	CLEANOUT INVERT ELEV.
	0.00	FLOW LINE
(0.00) FG	0.00 FG	FINISH GRADE
(0.00) TC	0.00 TC	TOP OF CURB
(0.00) TOW	0.00 TOW	TOP OF WALL
		GATE
		SIGN
STREET LIGHTS		
		100 W H.P.S.
		150 W H.P.S.
		200 W H.P.S.
		250 W H.P.S.

DELTA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig— 1-800-227-2600 UNDERGROUND SERVICE ALERT (U.S.A.)

AVOID OVERHEAD POWER LINE CONTACT Call before you OVERHEAD 1-702-593-6111 NEVADA POWER EMPLOYMENT AND SAFETY SERVICES DEPARTMENT

39532 40295 47061

REV	DATE	BY	REVISION
1	4/19/02	WC	REVISE PROPERTY LINE
2	4/16/02	WC	ADD EXIST. LINES & FIX ACCESS
3	7/15/02	WC	REVISE PER DRAWING

BRYAN CONSTRUCTION
308 S. 11TH STREET
LAS VEGAS, NEVADA 89101

DELTA ENGINEERING
3131 MEADE AVENUE, SUITE D
LAS VEGAS, NV 89102
TEL: (702) 364-9777 FAX (702) 364-9333

SHEET: UTILITY PLAN AND HORIZONTAL CONTROL PLAN

TITLE: JONES BUSINESS CENTER

DRAWN BY: W.S.C. 3/27/02
DESIGNED BY: W.S.C. 3/27/02
CHECKED BY: W.S.C. 3/27/02
PROJECT NO: 01040
SCALE: 1"=20'

SEAL

SHEET C2.00
2 OF 3 SHEETS

C.L.V. DRAWING NO. 107-V3552