

PROJECT NAME: Centerpoint Plaza
 his project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is
NOT APPROVED FOR CONSTRUCTION
 I this time and this signature does not provide or imply a water commitment.
 VVWD: Amir L. G. J. DATE: 9-25-00
 #52

GRAPHIC SCALE



(IN FEET)
 1 inch = 30 ft.

BASIS OF BEARING

N0018°07'W, BEING THE CENTERLINE OF INDIGO DRIVE, PER THE RECORDED FINAL MAP OF SUMMERLIN VILLAGE 12 - THE ARBORIS PARCEL AA, RECORDED OCTOBER 22, 1997, IN BOOK 81, PAGE 78 OF PLATS, CLARK COUNTY, NEVADA RECORDS.

BENCHMARK

CLV 0L000 3155W6
 RIVET & SQUARE PLATE IN TOP OF NORTH CURB LINE AT DROP INLET ON CHARLESTON BLVD., 1690 FEET WEST OF GRAND CANYON DRIVE. ELEVATION = 874.0618 METERS (NAVD 88) 2867.65 FEET (USED) CONVERSION = 874.0618 X 3.28084 = 2867.65

EKN

SCALE 1" = 30'

WATER CONSTRUCTION NOTES

SEE SHEET C4 FOR QUANTITIES

- 39. INSTALL 10" x 6" TEE
- 40. LVVWD EASEMENT
- 41. INSTALL 10" x 6" REDUCER
- 42. FIRE DEPARTMENT CONNECTION
- 43. INSTALL 3" SDR 35 PVC DOMESTIC WATER SERVICE
- 44. INSTALL FIRE HYDRANT PER UNIFORM DESIGN STD (UDS) PLATE NO. 7. (INCLUDES 6" GATE VALVE)
- 45. INSTALL IRRIGATION CONDUIT PER SUMMERLIN STD. DWG# U-18
- 46. INSTALL 10" GATE VALVE PER UDS PLATE NO. 8
- 47. INSTALL 8" GATE VALVE PER UDS PLATE NO. 8
- 48. INSTALL 6" GATE VALVE PER UDS PLATE NO. 8
- 49. INSTALL 8" FEBCO MODEL 876 DCCA
- 50. INSTALL 1-1/2" METER (IRR) PER UDACS PLATE NO. 10 AND 1-1/2" RPPA PER UDACS PLATE NO. 11A
- 51. INSTALL 1-1/2" METER (DOM) PER UDACS PLATE NO. 10 AND 1-1/2" RPPA PER UDACS PLATE NO. 11A
- 52. INSTALL 2" METER (DOM) PER UDACS PLATE NO. 10 AND 2" RPPA PER UDACS PLATE NO. 11A
- 53. INSTALL 12" x 6" TAPPING SLEEVE AND VALVE
- 54. INSTALL 12" x 10" MECHANICAL JOINT TAPPING TEE AND 10" TAPPING VALVE
- 55. INSTALL 10" 22.5' ELL
- 56. INSTALL 10" 90' ELL
- 57. INSTALL 10" 45' ELL
- 58. INSTALL 10" x 6" TEE
- 59. INSTALL 10" TEE
- 60. INSTALL 10" 11.25' ELL
- 61. INSTALL 10" x 8" REDUCER
- 62. INSTALL 12" x 10" REDUCER
- 63. CAP AND INSTALL 2" BLOW-OFF VALVE
- 67. INSTALL 6" 90' ELL
- 68. INSTALL 12" x 6" REDUCER
- 69. INSTALL 3" 22.5' ELL

SEWER CONSTRUCTION NOTES

SEE SHEET C4 FOR QUANTITIES

- 70. INSTALL 8" SDR 35 PVC SEWER PIPE
- 71. INSTALL 6" SDR 35 PVC SEWER PIPE LATERAL
- 72. INSTALL 4" SDR 35 PVC SEWER PIPE LATERAL
- 73. INSTALL 48" DIAMETER SEWER MANHOLE PER UDS CONSTRUCTION STANDARD SD-1
- 74. PLUG SEWER FOR FUTURE BUILDING CONNECTION
- 75. JOIN EXISTING 6" SEWER
- 76. INSTALL CLEANOUT PER DETAIL #3 ON SHEET U5
- 77. INSTALL 8" x 6" WYE
- 80. STORM DRAIN, SEE PRECISE GRADING PLAN FOR DESIGN
- 81. JOIN EXISTING 8" SEWER
- 82. SANITARY SEWER EASEMENT

FIRE FLOW DATA

FIRE FLOW REQUIREMENT IS 4,000 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE: 120,074 SQ. FT.

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A

BUILDING HEIGHT: 48'-0"

NUMBER OF STORIES: 1

TYPE OF CONSTRUCTION: V-N

OCCUPANCY: M

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES

CITY FIRE MARSHAL: [Signature] DATE: 9-25-00

LAS VEGAS VALLEY WATER DISTRICT: [Signature] DATE: 11/12/01

NOTE: REFER TO GRADING PLANS FOR CONSTRUCTION OF STORM DRAINS.

Albertsons
 BUILDING AREA F

F.F. = 2953.8

F.F. = 2956.15

F.F. = 2955.4

F.F. = 2953

MATCH LINE SEE SHEET U1

MATCH LINE SEE SHEET U4

REDUCED PRESSURE PRINCIPLE ASSEMBLY (14) 1-1/2" (1) 2"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.

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

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY (2)-8"

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B AND DETAIL SHEET C27.

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

NOTE

SEE SHEET TS1 FOR FIRE LANES.

NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVER HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. EKN ENGINEERING SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES NOT SHOWN OR NOT IN THEIR PROPER LOCATION.

FIRE HYDRANT AND LATERAL ABANDONMENT
 (EXISTING LATERAL TO BE ABANDONED)

WHERE SHOWN, THE CONTRACTOR SHALL ABANDON THE EXISTING FIRE HYDRANT BY REMOVING AND RELOCATING BOTH THE UPPER AND LOWER BARRELS OF THE FIRE HYDRANT SO THAT NO PORTION OF THE REMAINING FIRE HYDRANT ASSEMBLY IS CLOSER THAN TWO (2) FEET TO THE EXISTING GRADE. THE EXISTING HYDRANT SHALL BE DELIVERED TO THE DISTRICT. THE EXISTING VALVE SHALL BE ABANDONED IN A CLOSED POSITION AND A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX REMOVED. THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2,000 PSI. THE LATERAL SHALL BE CUT AND CAPPED WHERE INDICATED. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED, WITH THE DISTRICT APPROVAL. A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CUT AND CAP LOCATIONS IN ACCORDANCE WITH THE PROVISIONS OF UDACS PLATE NO. 5. THE EXISTING CONCRETE FIRE HYDRANT PAD SHALL BE REMOVED.

26731 S 28014 RS 29282 30/65

DRAWING PERCENTAGE - 100

ENGINEERS/PLANNERS/SURVEYORS
 CENTERPOINT PLAZA COMPANY
 GENERAL ENGINEERING CONSULTANTS
 LAS VEGAS, NEVADA 89134
 CONTACT: STEVE NICHOLS

EKN
 ENGINEERING, INC.
 NEVADA

UTILITY PLAN

CENTERPOINT PLAZA
 SUMMERLIN

SHEET: 17 OF 21 SHEETS
 CLV DRAWING NO. 307Y-4649

DRAWN BY: J.A.L. G.M.S., E.A.D., L.R. DATE: 9/19/00
 DESIGNED BY: J.A.L. G.M.S., E.A.D. DATE: 9/19/00
 CHECKED BY: J.A.L. G.M.S., E.A.D. DATE: 9/19/00
 PROJECT NO.: 92-5-36 SCALE: 1" = 30'

SEAL
 PROFESSIONAL ENGINEER - STATE OF NEVADA
 EBRAHIM K. NAKHJAVANI
 CIVIL ENGINEER
 No. 11077
 9/20/00

Call before you OVERHEAD
 1-702-227-2929
 1-800-227-2600

Call before you Dig.
 1-800-227-2600

