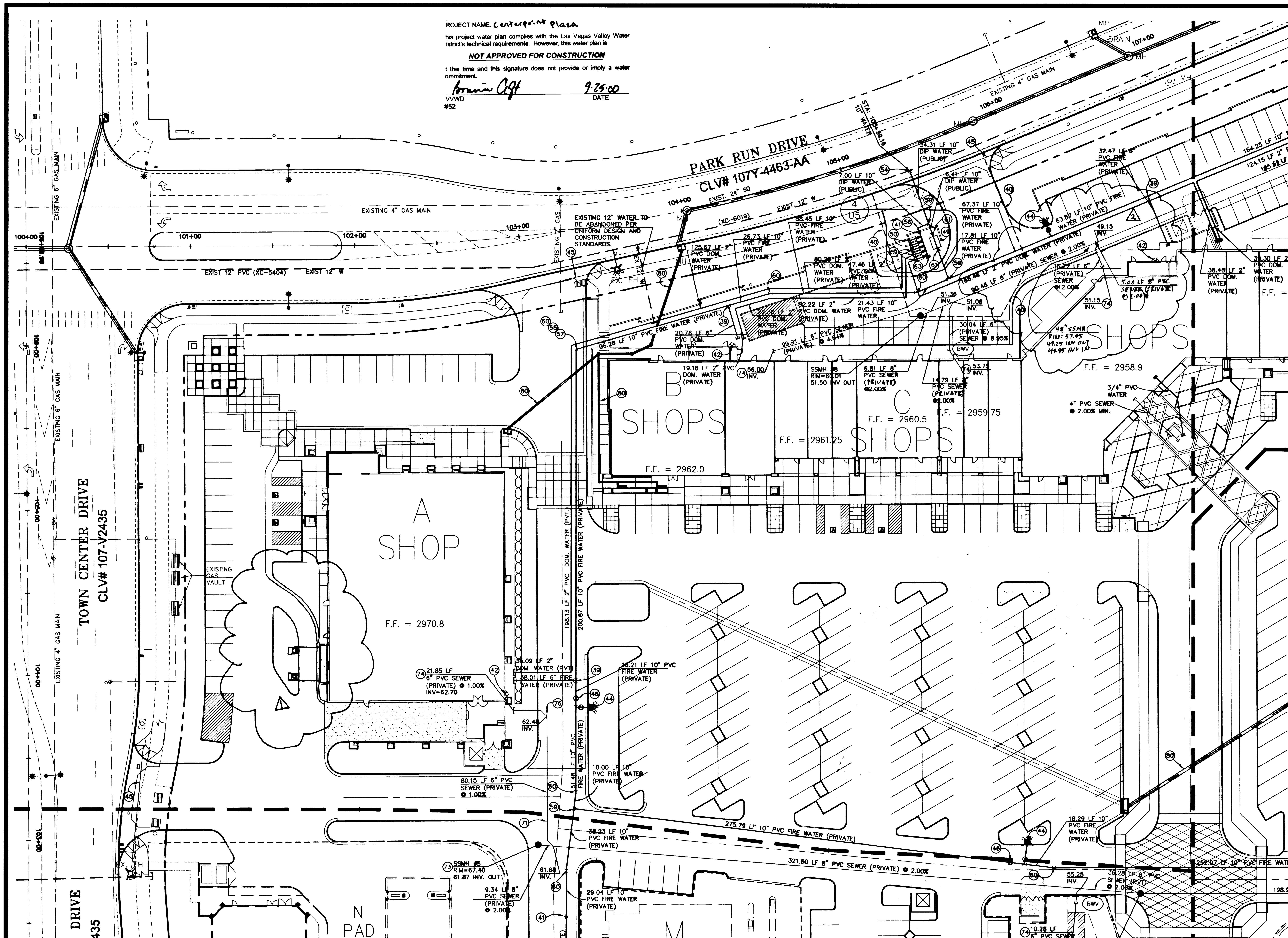


GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

EKN ENGINEERING

SCALE 1" = 30'

BASIS OF BEARING

N00°18'07"W, BEING THE CENTERLINE OF INDIGO DRIVE, PER THE RECORDED FINAL MAP OF SUMMERLIN VILLAGE 12– THE ARBORS PARCEL AA. RECORDED OCTOBER 22, 1997. IN BOOK 81, PAGE 78 OF PLATS, CLARK COUNTY, NEVADA RECORDS.

BENCHMARK

CLV OLVOO 31SSW6
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 3.28083333

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 DCDA.
(50) INSTALL 1–1/2" METER (IRR) PER UDACS PLATE NO. 1D AND 1–1/2" RPPA PER UDACS PLATE NO. 11A.
(51) INSTALL 1–1/2" METER (DOM) PER UDACS PLATE NO. 1D AND 1–1/2" RPPA PER UDACS PLATE NO. 11A
(52) INSTALL 2" METER (DOM) PER UDACS PLATE NO. 1D 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

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.

26730 (S) 28013 RS 29281 RS 30164

NOTE

SEE SHEET TS1 FOR FIRE LANES.

NOTE

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS 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 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 — DATE 9-25-00

LAS VEGAS VALLEY WATER DISTRICT — DATE 1/12/01

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

AVOID CUTTING OVERHEAD UTILITY LINES. IT'S COSTLY.
Call before you OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

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

CENTERPOINT PLAZA COMPANY
1970 VILLAGE CENTER CIRCLE
LAS VEGAS, NEVADA 89134
CONTACT: STEVE NICHOLS

EKN ENGINEERING, INC.
Engineers/Planners/Surveyors

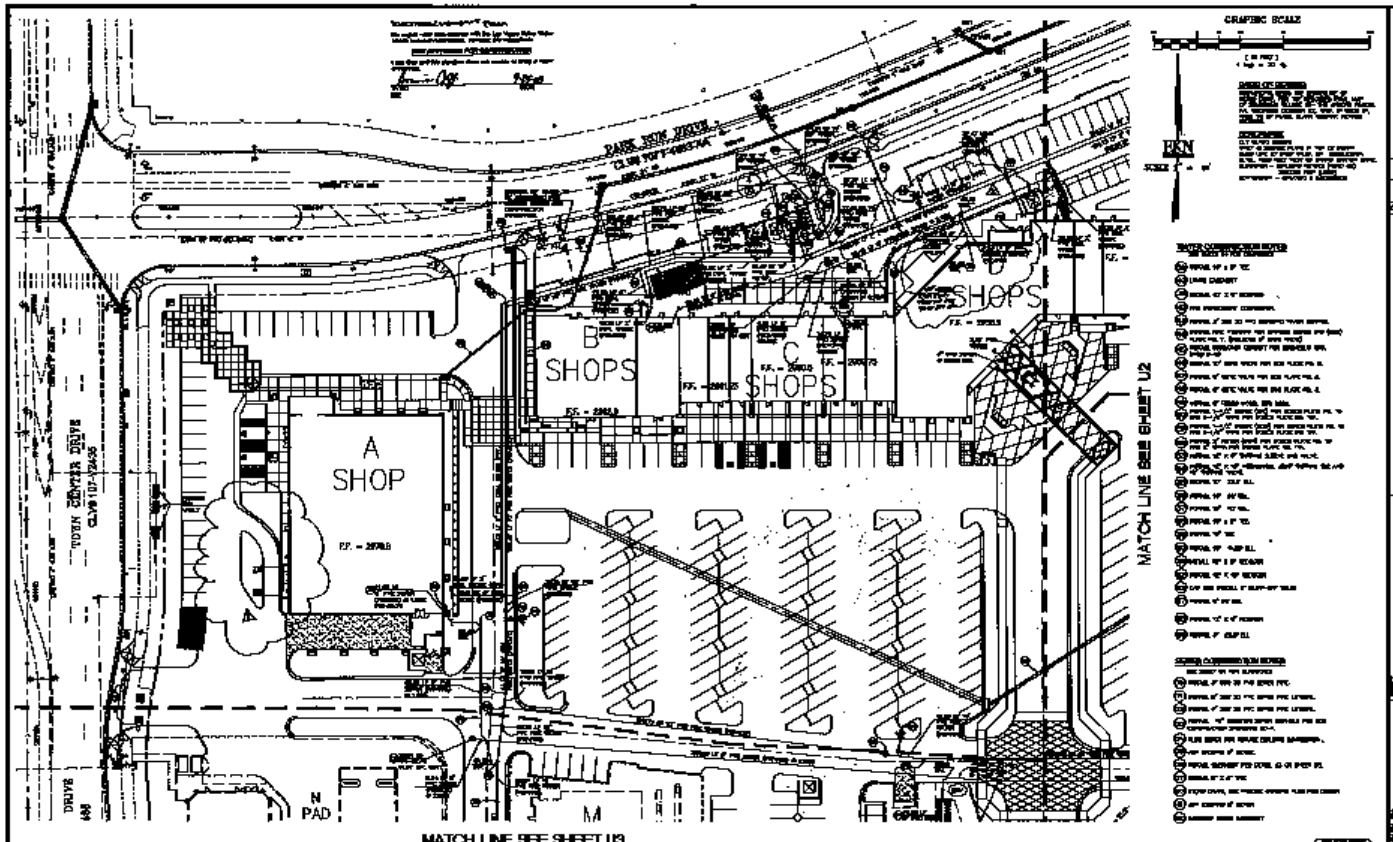
UTILITY PLAN

CENTERPOINT PLAZA
SUMMERLIN
NEVADA

DRAWN BY: J.J.L., G.M.S., E.K.D., J.R. 9/19/00
DESIGNED BY: J.J.S., G.M.S., E.K.D. 9/19/00
CHECKED BY: J.J.S., B.K.M. 9/19/00
SCALE: 1"=30'

PROFESSIONAL ENGINEER – STATE OF NEVADA
EBRAHIM K. NAKHJAVANI
CIVIL
No. 11077

SHEET U1
16 OF 21 SHEETS
CLV DRAWING NO.
307Y-4699


A
SHOP
B
SHOPS
C
SHOPS
SHOPS
N
PAD
MATCH LINE SEE SHEET U2
MATCH LINE SEE SHEET U3
GRAPHIC SCALE
UTILITY PLAN
EKN