

NORTH 1" = 40'

NOTE: PRIVATE STREETS ARE P.U.E.'S, PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOME OWNERS ASSOCIATION

FIRE FLOW

TYPE OF CONSTRUCTION = V NON RATED
 REQUIRED FIRE FLOW = 1500 G.P.M.
 NON SPRINKLERED BUILDINGS
 SQUARE FOOTAGE FROM 1800 SF TO 3000 SF

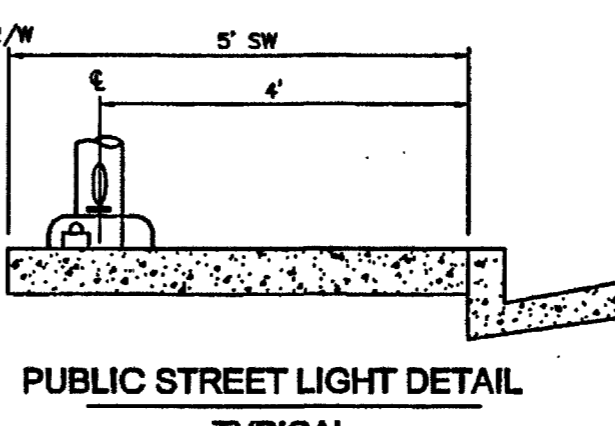
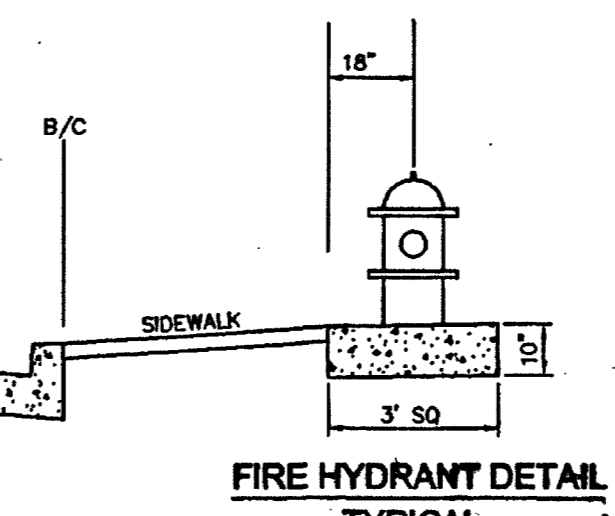
FIRE HYDRANT AND LATERAL ABANDONMENT
 (Existing Lateral to be Abandoned)

WHERE SHOWN ON THE DRAWING(S), THE CONTRACTOR SHALL ABANDON THE EXISTING FIRE HYDRANT(S) BY REMOVING 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 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.

en.013

SERVICE LATERALS FOR LOTS: 229, 284, 285, 286 WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVWD.

NOTE:
 FOR SANITARY REWER MANHOLE TABLE PLEASE REFER TO SHEET C1.

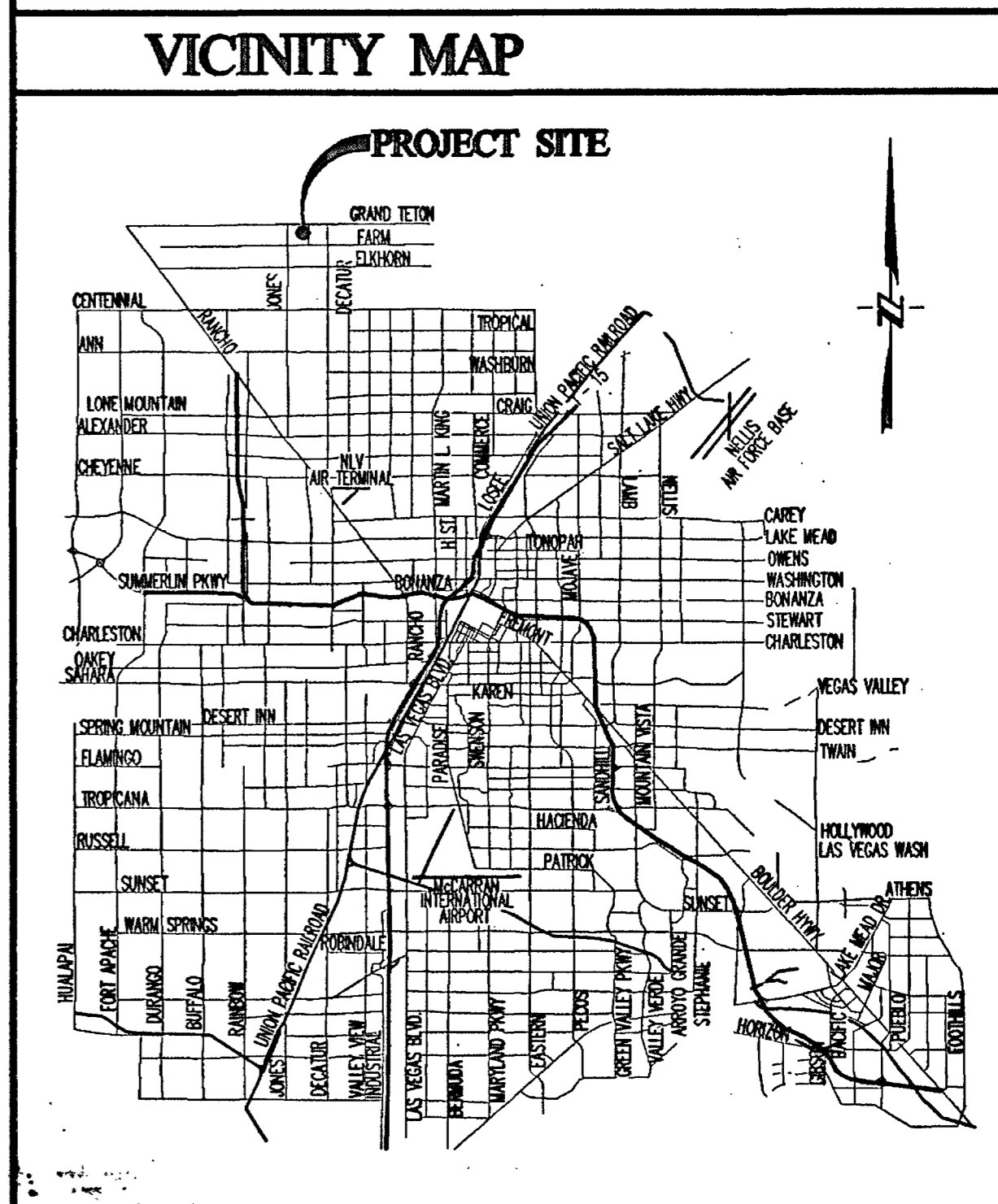


CONSTRUCTION NOTES

- 8" TEE - PUBLIC
- 8" GATE VALVE - PUBLIC
- 8" 90° ELBOW - PUBLIC
- CAP AND 2" BLOW OFF VALVE (UDACS 4) - PUBLIC AND 8" G.V. IN ACCORDANCE WITH (UDACS PLATE #7) - PUBLIC
- FIRE HYDRANT ASSEMBLY INCLUDING 8" X 8" TEE AND 8" G.V. IN ACCORDANCE WITH (UDACS PLATE #7) - PUBLIC
- 5/8" METER (UDACS 1-B) - PUBLIC
- 4" PVC CONDUIT (IRRIGATION XINGS) - PRIVATE
- 1" METER WITH RPPA (UDACS 1-C OR 1-D) - PUBLIC
- 8" CROSS - PUBLIC
- RELOCATE EXISTING FIRE HYDRANT ABANDON EXISTING F.H. LATERAL PER NOTE. INSTALL F.H. AT NEW LOCATION PER UDACS PLATE #7. INSTALL 8" X 8" TEE, 6" G.V. IN EXISTING 8" WATER LINE.
- 8" X 6" REDUCER
- 10" X 8" TEE - PUBLIC
- FIRE HYDRANT ASSEMBLY INCLUDING 8" G.V. IN ACCORDANCE WITH (UDACS PLATE #7) - PUBLIC

LEGEND

SYMBOL	DESCRIPTION
(Symbol)	22.5" 8" WATER LINE BEND
(Symbol)	45" 8" WATER LINE BEND
(Symbol)	8" WATER LINE TEE
(Symbol)	8" WATER LINE GATE VALVE
(Symbol)	FIRE HYDRANT ASSEMBLY
(Symbol)	SANITARY SEWER MANHOLE
(Symbol)	DIRECTION OF SEWER FLOW
(Symbol)	8" WATER LINE
(Symbol)	8" SEWER LINE
(Symbol)	BACK WATER VALVE



ABBREVIATIONS

AC	ASPHALTIC CONCRETE	RT	RIGHT
BC	BACK OF CURB	RSW	RIGHT-OF-WAY
BCR	BACK OF CURB RADIUS	SS	SANITARY SEWER
BVC	BEGINNING OF VERTICAL CURVE	SW	SEWER
BM	BENCH MARK	STA	STATION
BTW	BEGINNING OF TANGENCY	STD	STANDARD
CC	CABLE TELEVISION	TC	TYPICAL
CCB	CITY OF BOULDER CITY	TOB	TOP OF BERM
CCCL	CLARK COUNTY	TRP	TYPICAL
CCY	CLEAN OUT	TRT	TYPICAL
CCV	CUBIC YARD	VC	VERTICAL CURVE
CD	CURB	VGT	VERTICAL GUTTER
DC	DESIGN GRADE	VCP	VITRIFIED CLAY PIPE
ED	EDGE OF PAVEMENT	WM	WATER METER
EV	END OF VERTICAL CURVE		
EVG	EXISTING GRADE		
FF	FINISH FLOOR ELEVATION		
FEET	FEET		
FH	FIRE HYDRANT		
FL	FLOW LINE		
GB	GRADE BREAK		
HP	HIGH POINT		
IN	INVERT		
INT	INTERSECTION		
LVWD	LAS VEGAS VALLEY WATER DISTRICT		
MAX	MAXIMUM		
MN	MINIMUM		
NTS	NOT TO SCALE		
OC	ON CENTER		
OC	POINT OF INTERSECTION		
PRC	POINT OF REVERSE CURVE		
PTC	POINT OF TANGENCY		
PTC	PROP. TOP OF CURB (BY OTHERS)		
PTC	PROP. FINISH GRADE (BY OTHERS)		
PL	PROPERTY LINE		
PB	PULL BOX		
R	RADIUS		
RCB	REINFORCED CONCRETE BOX		
RCP	REINFORCED CONCRETE PIPE		

SCALE

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

LEGAL DESCRIPTION

THE SOUTH HALF (S1/2) OF THE SOUTH HALF (S1/2) OF THE NORTHWEST QUARTER (NW1/4) OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA.

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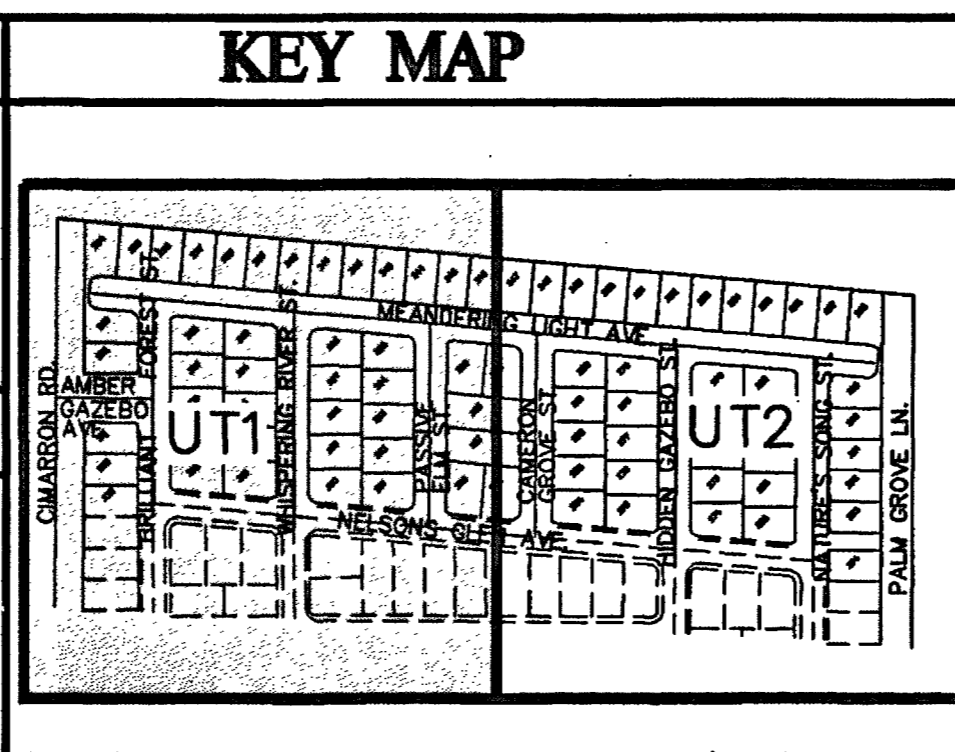
BENCHMARK

CITY OF LAS VEGAS BENCH MARK - 8LW0-16C4 RIVET AND PLATE IN TOP OF CURB AT SW CORNER OF FARM AND CIMARRON

NAVD88 ELEVATION = 754.2098 METERS (2474.44 FT)

BASIS OF BEARING

N001°34'2" E - BEING THE WEST LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 16, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., COUNTY OF CLARK, STATE OF NEVADA, AS SHOWN ON THE FINAL MAP OF LAMPLIGHT VILLAGE AT CENTENNIAL SPRINGS UNIT 2 RECORDED IN BOOK 88 ON PAGE 63, OFFICIAL RECORDS OF SAID COUNTY.



AVERAGE DAILY SEWER FLOW = 9250 G.P.D.
 PEAK SEWER FLOW = 32,375 G.P.D.

Call Two Working Days Before You Dig

Dig Safely. Dig Safely
1-800-227-2600

PROJECT NAME: Lamp Light Village Unit Five
 This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is NOT APPROVED FOR CONSTRUCTION at this time and this signature does not provide or imply a water commitment.

LVWD #52 DATE 9-3-02

APPROVAL: [Signature] DATE 8.3.02

APPROVAL: [Signature] DATE 10/30/02

LAS VEGAS VALLEY WATER DISTRICT

REVISIONS

NO.	DESCRIPTION	DATE	BY
045	REVISED PER LVWD	04/24/02	REV
046	REVISED PER LVWD	04/24/02	REV

CARINA CORPORATION
 2881 BUSINESS COURT, SUITE 210
 LAS VEGAS, NEVADA, 89128
 (702) 228-8376 FAX: (702) 228-6002

TANEY ENGINEERING
 4445 S. JONES BLVD., SUITE #1
 LAS VEGAS, NV 89103
 (702) 362-8844 FAX: (702) 362-5233

LAMPLIGHT VILLAGE UNIT FIVE AT CENTENNIAL SPRINGS

UTILITY PLAN WEST

EDWARD TANEY
 REGISTERED PROFESSIONAL ENGINEER
 LICENSE NO. 6302

ENGINEER'S SEAL

DATE: 12-01
 SCALE: 1" = 40'
 JOB NO: CRN-00-001
 DESIGNED BY: EFT
 DRAWN BY: EFT/OGS
 SHEET NAME: UT1
 SHEET: 3 of 5
 6 OF 18