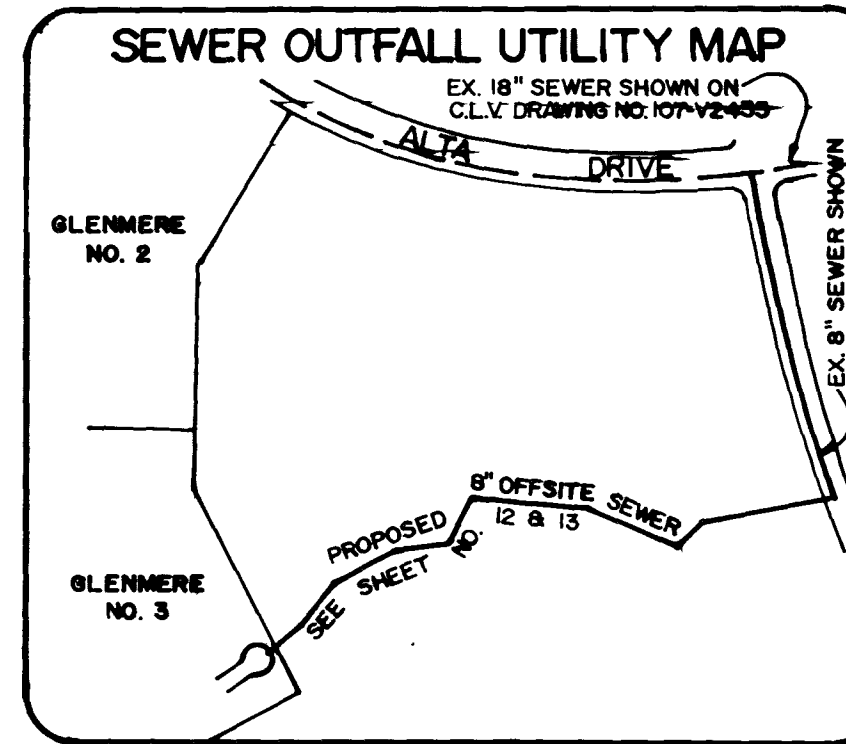
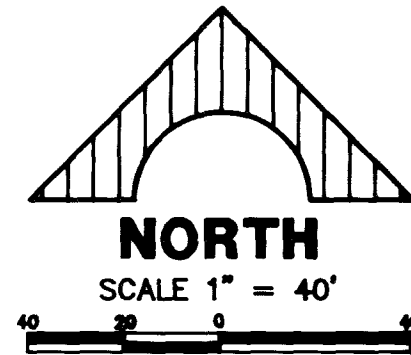


LVVWD WATER NOTES

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR 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.
- 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.
- 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 OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE LATERALS.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE DRIVEWAYS, VALLEY GUTTERS AND CURB GUTTERS.
- 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:
 - POTABLE WATER SUPPLY QUALITY MATERIAL
 - ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
 - SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE
- 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 PLAN NO. 27.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURED TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES, TELEPHONE 258-3152 FOURTY-EIGHT (48) HOURS PRIOR TO PICKUP.
- CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURES LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.



BUILDING INFO.

FIRE FLOW REQUIREMENT IS 1,750 GALLONS PER MINUTE AT 20 POUND PER SQUARE INCH RESIDUAL.

BASED ON:

SQUARE FOOTAGE 4492

LARGEST AREA BETWEEN AREA SEPARATION WALLS N/A

HEIGHT TWO (2) STOREYS

TYPE OF CONSTRUCTION TYPE V

EXPOSURES 10'

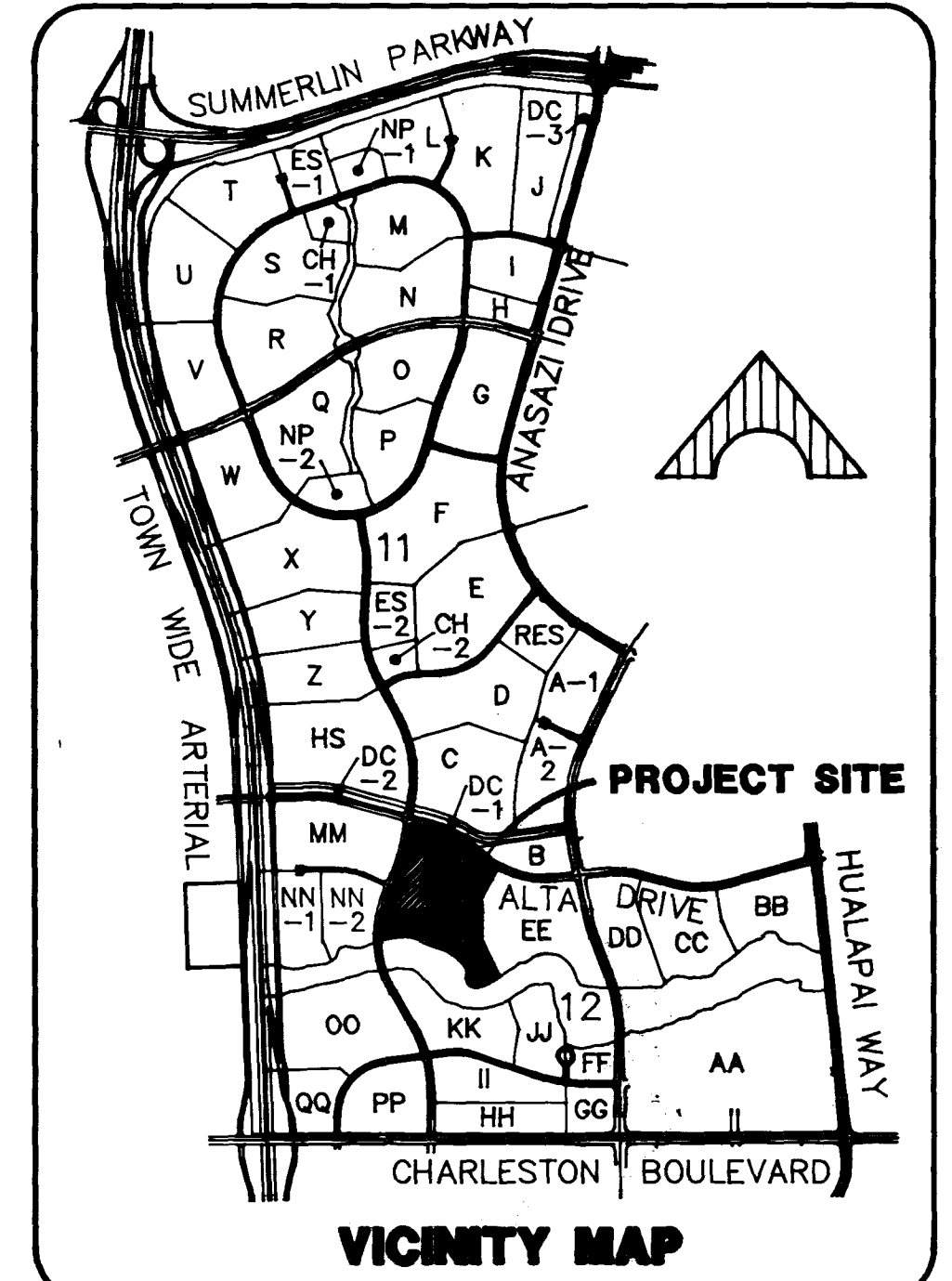
SPRINKLER SYSTEM NONE

OCCUPANCY R-3

ROOF CONSTRUCTION CONC. TILES

REVIEWED BY: LM

DATE: 10-10-97



NOTE: Power poles and/or other existing facilities not in proper location based on proposed improvements shown herein will be relocated at no expense to City of Las Vegas.

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

LEGEND

—●—	FIRE HYDRANT W/ 6" G.V.
—W—	WATER LINE
—S—	SEWER LINE
—SL—	SEWER LATERAL
—GV—	GATE VALVE
—MH—	SEWER MANHOLE
—100 W HPS LUMINAIRE W/ 11 GA. POLE	
—STOP SIGN	
—STREET SIGN	
—NEW STREET LITE SERVICE POINT	
—END OF ROAD MARKERS	
—SIGHT ZONE EASEMENT	
—TC TOP CURB	
—TMH TOP OF MANHOLE	
—PVC POLYVINYL CHLORIDE PIPE	
—ST. LT. STREET LIGHT	

BASIS OF BEARING
NORTH 89°50'00" WEST, BEING THE BEARING OF THE CENTERLINE OF WEST CHARLESTON BLVD., SHOWN BY A MAP THEREOF ON FILE IN BOOK 80, PAGE 14 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEV.

* SERVICE LATERALS FOR LOT: 160, BLOCK E WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVVWD.

STATIC PRESSURE NOTE

LOTS 23 TO 26 BLOCK A
LOTS 151 TO 152 BLOCK E
LOTS 158 TO 159 BLOCK E
LOTS 165 TO 174 BLOCK E

THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

ESTIMATE OF WATER QUANTITIES

STD. F.H. W/ 6" LAT. & GATE VALVE	6 EA
8" PVC WATER	1192 LF
6" PVC WATER	1503 LF
8" GATE VALVE W/ VALVE BOX & COVER	2 EA
6" GATE VALVE W/ VALVE BOX & COVER	7 EA
1" WATER SERVICE LATERAL	79 EA
5/8" WATER METER	79 EA
METER BOX	79 EA
2" BLOW-OFF ASSEMBLY	4 EA
8" x 6" TEE	2 EA
6" x 8" TEE	4 EA
6" x 6" TEE	2 EA
8" x 6" REDUCER	6 EA
8" x 45" BENDS	4 EA

APPROVALS

CITY OF LAS VEGAS - FIRE MARSHAL 10-10-97 DATE

LAS VEGAS VALLEY WATER DISTRICT 10-24-97 DATE

NEVADA POWER COMPANY 10-10-97 DATE

THIS APPROVAL IS FOR THE PLACEMENT AND CLEARANCE OF STREET LIGHT AND SIGNAL LIGHT INSTALLATION ONLY.

UTILITY INSTALLATIONS NOTE

1. STREET LIGHTS - PER SUMMERLIN STD. DWG. NO. E-2
2. FIRE HYDRANTS - PER SUMMERLIN STD. DWG. NO. U13 & U33

FIRE HYDRANT INSTALLATION

FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE NO. 7

PROJECTED SEWER FLOWS

AVERAGE DAILY = 0.0198 MGD
PEAK FLOW = 0.0672 MGD

BENCHMARK

RIVET & PLATE IN TOP OF CURB, NE RETURN OF CHARLESTON BLVD. AND HUALAPAI WAY. (NO. OLVO9-36SES)
2909.769 NGVD 1929 DATUM
2912.23 NAVD 1988 DATUM (887.6503 M) 2912.23
*2910.05 SUMMERLIN DATUM 2910.05
SUMMERLIN DATUM + 2.18 = NAVD 1988 DATUM

NOTE:
SEE SHEETS 12 & 13 FOR CONNECTION TO OFF-SITE SEWER.

COMMON LOT "BB" PEDESTRIAN ACCESS

MATCHLINE - SEE SHEET 4

REVISIONS

REV.	DATE	DESCRIPTION
1	07/16/98	REVISED PER CITY OF LAS VEGAS
2	10/14/97	DATE

3704 R.E. NO.

DeLUNA, INC.
ENGINEERING • PLANNING • SURVEYING
7310 SMOKE RANCH ROAD, SUITE 1, LAS VEGAS, NV 89126, (702) 255-0242

UTILITY PLAN 1

SHEET CONTENTS:
LEWIS HOMES OF NEVADA
GLENMERE NO. 3 - BY LEWIS HOMES

SHEET 3
OF 12 SHEETS

9710UP21

10846

307Y-4525-3

