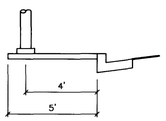
ESTIMATE OF QUANTITIES

SEWER		
	8" PVC SEWER MAIN	1,501 LF±
	4" PVC SEWER LATERAL	1,251 LF±
	4' DIAM SEWER MANHOLE	2 EA
	AVERAGE DAILY FLOW	0.0168 MGD
	PEAK DAILY FLOW	0.0570 MGD
WATER		
	8" PVC WATER MAIN	2,497 LF±
	1" WATER SERVICE	67 EA
	5/8" METER	67 EA
①	STD. FIRE HYDRANT W/ASSEMBLY	4 EA
②	8"X8"X8" TEE	5 EA
③	8" GATE VALVE	5 EA
④	8" 90° BEND	0 EA
⑤	2" BLOW OFF ASSEMBLY	3 EA
STREET LIGHTS		
	1 1/4" PVC CONDUIT	2,530 LF±
	100 W H.P.S. LUMINAIRE	14 EA
	11 GAUGE STANDARD	14 EA
	NO. 3 1/2 PULL BOX	4 EA
TRAFFIC		
	STREET NAME SIGN (9" D3)	6 EA
	STOP SIGN (R1-1)	3 EA

NOTES

A 1" X 3/4" ANGLE METER STOP AND 3/4" METER BOX WILL BE REQUIRED WITH THE 1" SERVICE LATERALS FOR ALL SERVICE WITH 5/8" OR 3/4" SERVICES. DETAILS OF THE ABOVE INSTALLATION ARE AVAILABLE FROM THE ENGINEERING SERVICES DIVISION AND FROM THE DISTRICT'S INSPECTORS.

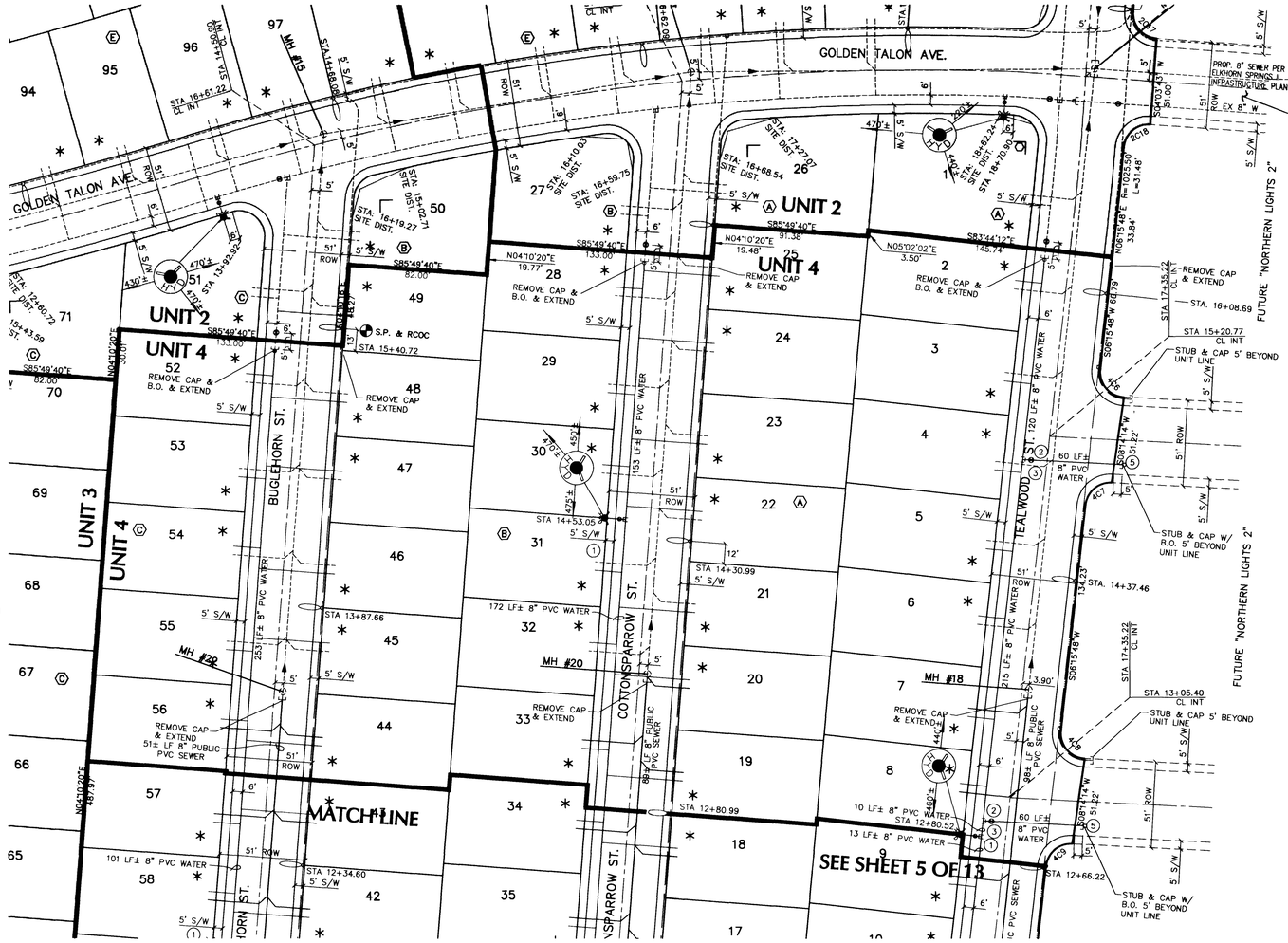
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 psi. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 psi. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE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



STREET LIGHT LOCATION

PER STANDARD DRAWING #318

NOTE: ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED & PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.



GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

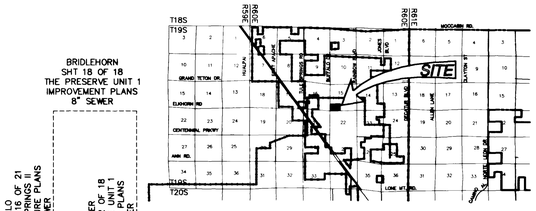
NOTICE TO CONTRACTOR !

EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY

CALL before you Dig 1-800-227-2600 UNDERGROUND SERVICE (USA)

SEWER CONNECTION NOTE:
ONE OR MORE SEGMENTS OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY ARE DEEMED AVAILABLE FOR SERVICE.



VICINITY MAP

BRIDLEHORN SHT 18 OF 18 THE PRESERVE UNIT 1 IMPROVEMENT PLANS 8" SEWER

BUFFALO SHT'S 15 & 16 OF 21 ELKHORN SPRINGS II INFRASTRUCTURE PLANS 8" SEWER

RED ONDOR SHT'S 111 & 112 OF 18 THE PRESERVE UNIT 1 IMPROVEMENT PLANS 15" SEWER

EAGLE TALON SHT 18 OF 21 ELKHORN SPRINGS II INFRASTRUCTURE PLANS 8" SEWER

ELKHORN SHT 6 OF 21 ELKHORN SPRINGS II INFRASTRUCTURE PLANS 15" SEWER

LVVWD STICKER

LEGEND

	UNIT LINE
	EXISTING STREET LIGHT
	PROPOSED STREET LIGHT
EX. CONDUIT	EXISTING CONDUIT
1 1/4" CONDUIT	PROPOSED CONDUIT
	PULL BOX
	GATE VALVE
EX. WATER	EXISTING WATER MAIN
8" WATER	PROPOSED WATER MAIN
	EXISTING SEWER MANHOLE
	PROPOSED SEWER MANHOLE
EX. 8" SEWER	EXISTING SEWER MAIN
8" SEWER	PROPOSED SEWER MAIN
EX. 24" S.D.	EXISTING STORM DRAIN
24" S.D.	PROPOSED STORM DRAIN
	EXISTING DROP INLET
	PROPOSED DROP INLET
	DRIVEWAY LOCATION
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
8	LOT NUMBER
Ⓕ	BLOCK LETTER
	SITE DISTANCE SETBACK
	SERVICE POINT, RCOC & PHOTO EYE

BASIS OF BEARING

THE BEARING ALONG THE CENTERLINE OF ELKHORN ROAD BETWEEN CIMARRON ROAD AND BUFFALO DRIVE AS SHOWN IN ELKHORN SPRINGS – UNIT NO. 1 MAP IN BOOK 60, PAGE 72, OF PLATS ON FILE AT THE COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BEARING NORTH 85°49'40" WEST

BENCHMARK

PROJECT DATUM=NGVD29 NO. 14 STATION 1LV9021N6 3" BRASS CAP USC & GS BM #113 3/4 MILE NORTH OF 1LV9028NNE6 50' FT. EAST OF OLD RAILROAD BED.
ELEVATION = 2452.515
EQUATION ELEVATION = 2452.515+2.401'=2454.916
(TO NAVD88) (747.5266M=0.7318M=748.2584M)

PROJECTNAME: Northern Lights @ Elk Horn Springs Unit 4 Ph 4-6
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.

LVVWD DATE 6/21/96

APPROVALS

NEVADA POWER COMPANY 6-28-96 DATE

C.L.V. FIRE DEPARTMENT 6/27/96 DATE

L.V.V.W.D. DATE

SEE SHEET 6 OF 13 FOR GENERAL NOTES & DETAILS

11-30-31

NO.	DATE	BY	APP'D	REVISION DESCRIPTION

PROFESSIONAL ENGINEER-STATE OF NEVADA DONALD W. SHIELD CIVIL No. 6763

STAMP DATE: 6.25.96

SOUTHWEST ENGINEERING
LAND PLANNING • MAPPING • DEVELOPMENT
5436 W. VEGAS DRIVE
LAS VEGAS, NEVADA 89108
(702) 648-9700

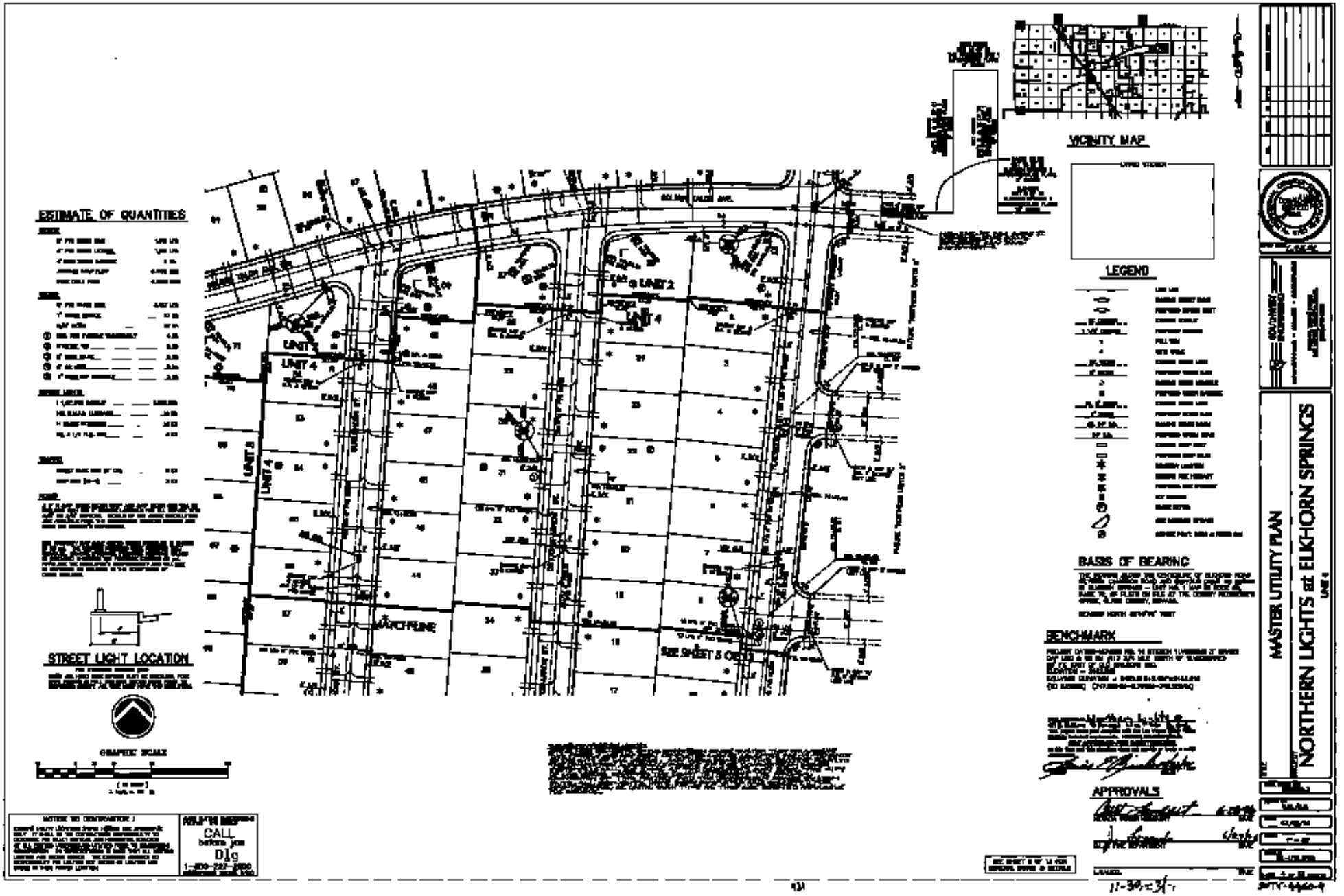
TITLE: MASTER UTILITY PLAN

PROJECT: NORTHERN LIGHTS at ELKHORN SPRINGS UNIT 4

WORK ORDER NO: 950925.3
DESIGN BY: C.M./S.G.
DATE: 03/15/96
SCALE: 1" = 40'
CADFILE: NL-UTIL.DWG
SHEET 4 OF 13 SHEETS

307Y-4460-9

G:\SISKPROJ\950925\DWG\NL-UTIL Tue Jun 25 15:03:08 1996 S GROVES



ESTIMATE OF QUANTITIES
STREET LIGHT LOCATION
GRAPHIC SCALE
UNIT 2
UNIT 4
UNIT 3
MATCHLINE
SEE SHEET 5 OF 11
VICINITY MAP
LEGEND
BASIS OF BEARING
BENCHMARK
APPROVALS
CALL
before you
Dig
MASTER UTILITY PLAN
NORTHERN LIGHTS at ELKHORN SPRINGS
UNIT 4