

LAS VEGAS VALLEY WATER
DISTRICT STANDARD NOTES

1. 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.

2. ALL WORK SHALL CONFORM THE LVVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.

3. 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.

4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVE WAYS, VALLEY AND CURB GUTTERS.

8. 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:

- a. POTABLE WATER SUPPLY QUALITY MATERIAL.
b. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
c. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.

9. 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 PLATE NO. 27.

10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.

11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOUR PRIOR TO PICKUP.

12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 P.M. AND 6 A.M., SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.

13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
LVVWDSTD. - Revised: April 25, 1995

APPROXIMATE QUANTITIES

24" CLASS 50 DIP	455 FT
16" CLASS 50 DIP	950 FT
16" GATE VALVE	1 EA.
12" GATE VALVE	3 EA.
12" PVC	262 FT
6" GATE VALVE	2 EA.
6" PVC	63 FT
30"x24" ECCENTRIC REDUCER (CONNECTING SPECIAL W/6" OUTLET)	1 EA
24"x16" ECCENTRIC REDUCER	1 EA
3" COMBINATION AIR VALVE	1 EA
24" - 11 1/4" BENDS	3 EA
16" - 11 1/4" BENDS	2 EA
FIRE HYDRANT ASSEMBLY	2 EA

NOTE TO CONTRACTOR:

QUANTITIES SHOWN ARE APPROXIMATIONS ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

EXISTING PIPE DATA: LVVWD CONTRACT 699

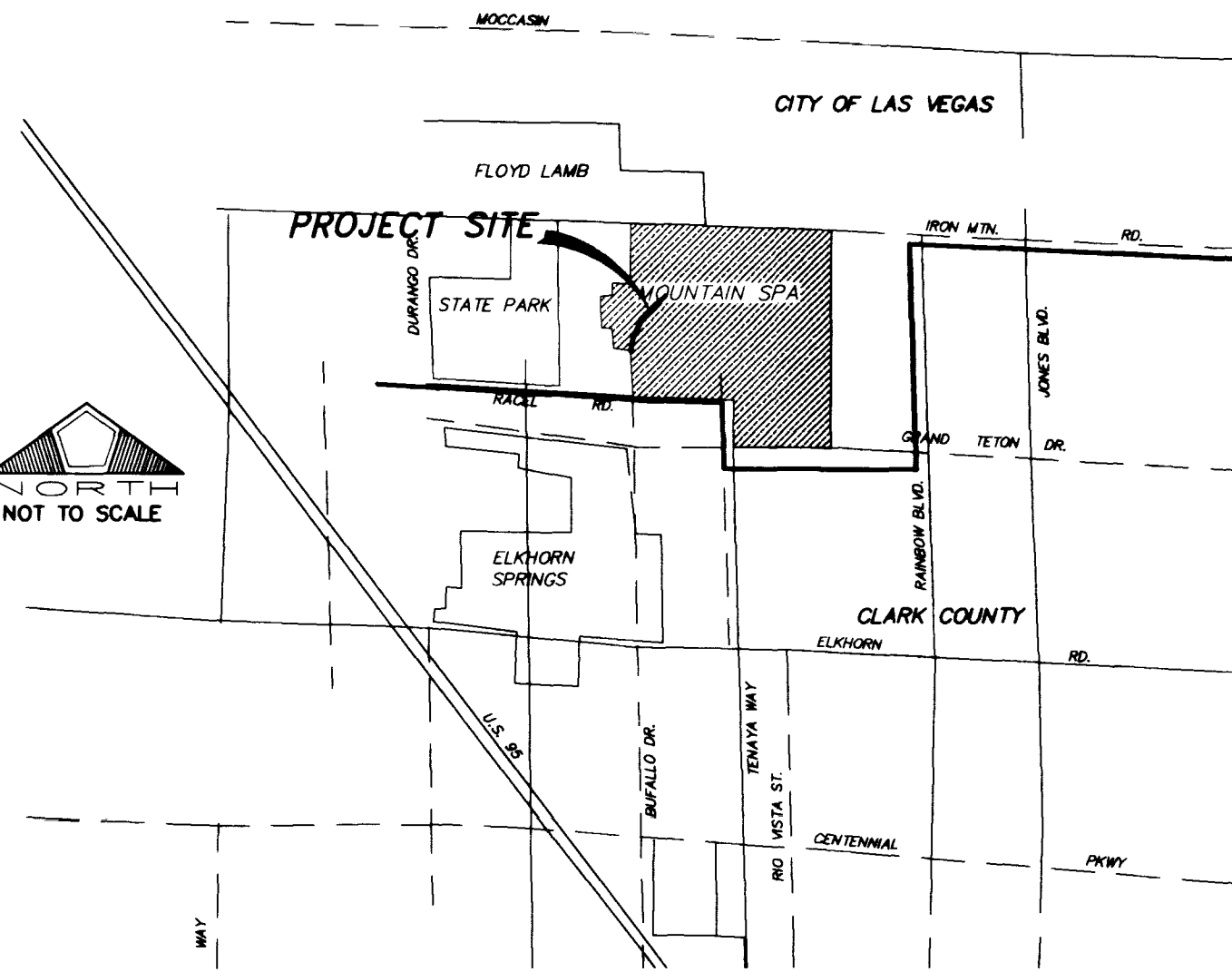
TYPE	MLCP
STEEL CYLINDER O.D.	30.29"
STEEL CYLINDER THICKNESS	0.145"
CM LINING THICKNESS	0.75"
CM COATING THICKNESS	1.5"

NEW PIPE DATA: 24-IN

CLASS 50	DIP
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NEW PIPE DATA: 16-IN

CLASS 50	DIP
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VICINITY MAP

LEGEND

CONSTRUCTION ITEMS

① PIPELINE

SYMBOLS OF EXISTING TOPOGRAPHY

CURB & GUTTER	==
RIGHT-OF-WAY	--- RW ---
SURVEY LINE	---
EDGE OF PAVEMENT	----
STREET LIGHT	⦿
LIGHT POST	⦿
PULL BOX, METER BOX	□
POLE	○ P
FENCE	x x x
TEST BORING	⦿
UNDERGROUND UTILITY (SS,STD,G,T,W,C)	---
SIGN	⦿
MISCELLANEOUS UTILITY BOX	⦿

ABBREVIATIONS

AGG	AGGREGATE	MH	MANHOLE
ACP	ASBESTOS CEMENT PIPE	MAX	MAXIMUM
AC	ASPHALTIC CONCRETE	MIN	MINIMUM
AVE	AVENUE	NTS	NOT TO SCALE
BC	BACK OF CURB	OC	ON CENTER
BCR	BACK OF CURB RADIUS	OHP	OVERHEAD POWER
BM	BENCH MARK	PVMT	PAVEMENT
CATV	CABLE TELEVISION	PI	POINT OF
C-C	CENTER TO CENTER		INTERSECTION
CL	CENTERLINE	PRC	POINT OF REVERSE CURVE
CLV	CITY OF LAS VEGAS		POINT OF CURVE
CC	CLARK COUNTY	PC	POINT OF TANGENCY
CONC	CONCRETE	PP	POWER POLE
CONST	CONSTRUCTION OR CONSTRUCT	P	POWER
C&G	CURB & GUTTER	PL	PROPERTY LINE
CIP	CAST IRON PIPE	PB	PULL BOX
CU YD,		PVC	POLYVINYLCHLORIDE PIPE
CY	CUBIC YARD	R	RADIUS
CU FT,		RCP	REINFORCED CONCRETE PIPE
CF	CUBIC FOOT	R/W	RIGHT-OF-WAY
DIA	DIAMETER	RT	RIGHT
DWY	DRIVEWAY	SS	SANITARY SEWER
DI	DROP INLET	SHT	SHEET
DIP	DUCTILE IRON PIPE	SO FT,	SQUARE FOOT
ESMT	EASEMENT	SP	STATION
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
ELEC	ELECTRIC	STD	STANDARD
EL	ELEVATION	SL	STREETLIGHT
EC	END OF CURVE	TEL, T	TELEPHONE
EXIST	EXISTING	TEMP	TEMPORARY
FT	FEET OR FOOT	TC	TOP OF CURB
FG	FINISH GRADE	TS	TRAFFIC SIGNAL
FH	FIRE HYDRANT	TSI	TRAFFIC SIGNAL INTERCONNECT
FL	FLOW LINE	TRANS	TRANSITION
GM	GAS METER	TYP	TYPICAL
GPR	GAS PRESSURE REGULATOR	UG	UNDERGROUND
GB	GRADE BREAK	UON	UNLESS OTHERWISE NOTED
GV	GATE VALVE		
IN	INCH	VERT	VERTICAL
INT	INTERSECTION	VG	VALLEY GUTTER
INV	INVERT	W	WATER
JB	JUNCTION BOX	WCR	WHEEL CHAIR RAMP
LF	LEFT	WM	WATER METER
LT	LINEAR FEET	WV	WATER VALVE
LVVWD	LAS VEGAS VALLEY WATER DISTRICT		

BENCHMARK

BLM BRASS CAP #41, RAINBOW BLVD. & HORSE DRIVE.
STA. 1LV90/11W4, ELEV. = 2396.994' (NGVD29)
ELEV. = 731.3392 METERS (NAVD88)

BASIS OF BEARING

NORTH 00°37'59" WEST, BEING THE BEARING OF THE EAST LINE OF THE NORTHEAST QUARTER (NE1/4) OF SECTION 10, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE AS FILE 70, PAGE 15 OF SURVEYS.

NOTE:

ALL UTILITIES SHOWN ARE BELIEVED TO BE ACCURATELY LOCATED, BUT THE ACCURACY AND COMPLETENESS OF UTILITY INFORMATION IS NOT GUARANTEED. FOR EXACT LOCATION OF ANY UTILITY, SEE THE APPROPRIATE UTILITY OR GOVERNMENTAL AGENCY.

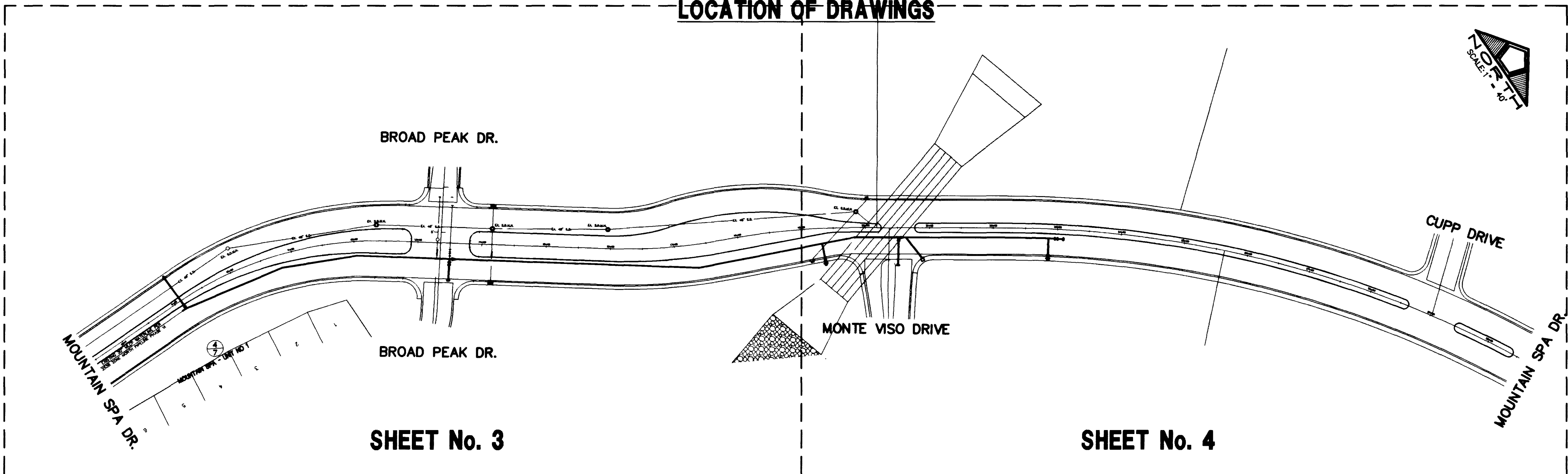
Avoid cutting underground utility lines. It's costly.

Call
before you
Dig.

1-800-227-2600

UNDERGROUND SERVICE ALERT (USA)

LOCATION OF DRAWINGS



SHEET No. 3

SHEET No. 4

Dr. P. Salas
LAS VEGAS VALLEY WATER DISTRICT

9/16/98

DATE

City of Las Vegas Fire Department

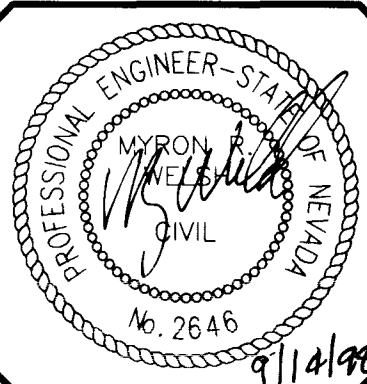
4-16-98

DATE

MOUNTAIN SPA DEVELOPMENT, INC.

MOUNTAIN SPA DRIVE PIPELINE PHASE 1

GENERAL NOTES, INDEX OF DRAWINGS, LEGEND



SHEET

2

OF 7

