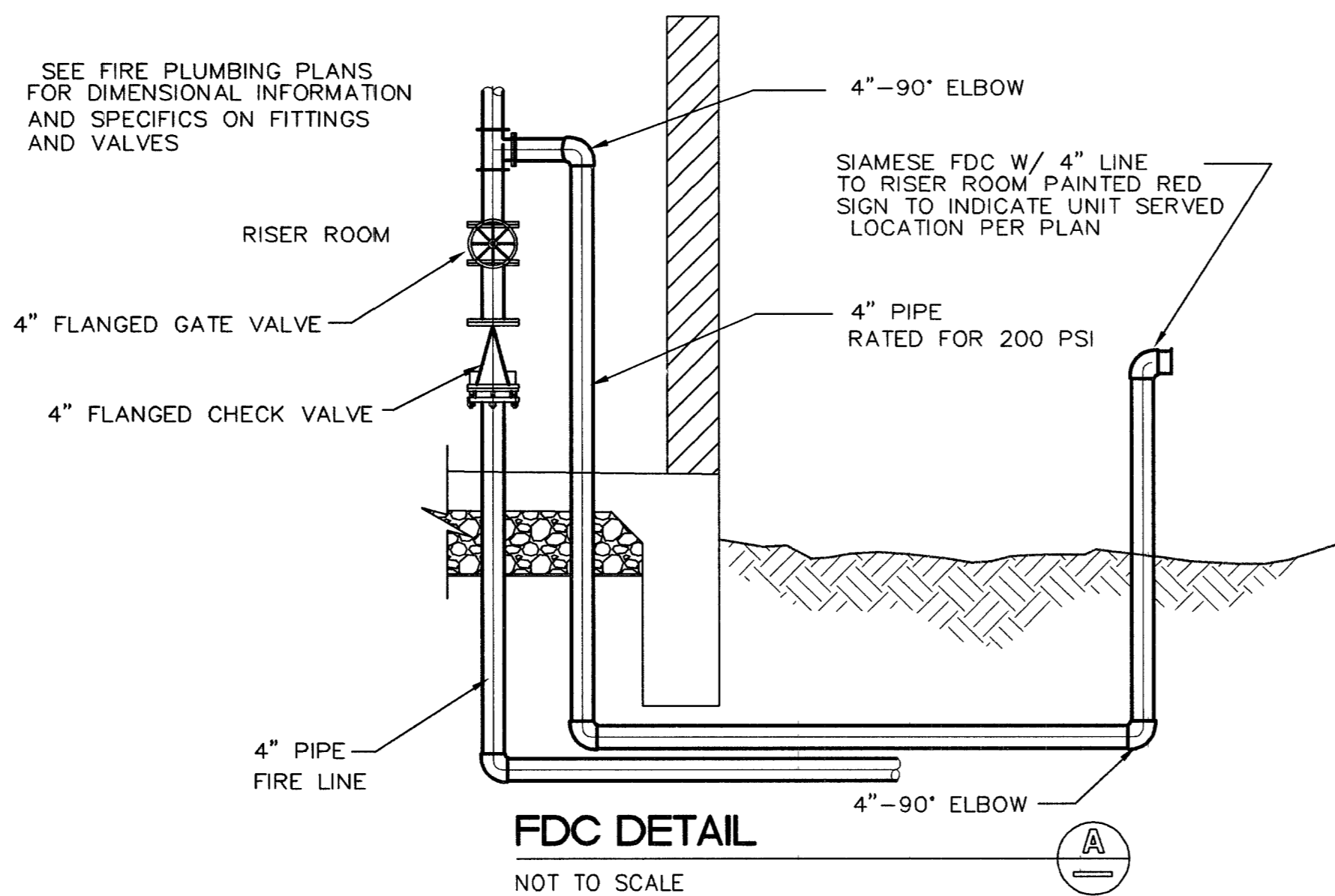


PUBLIC MANHOLE SCHEDULE

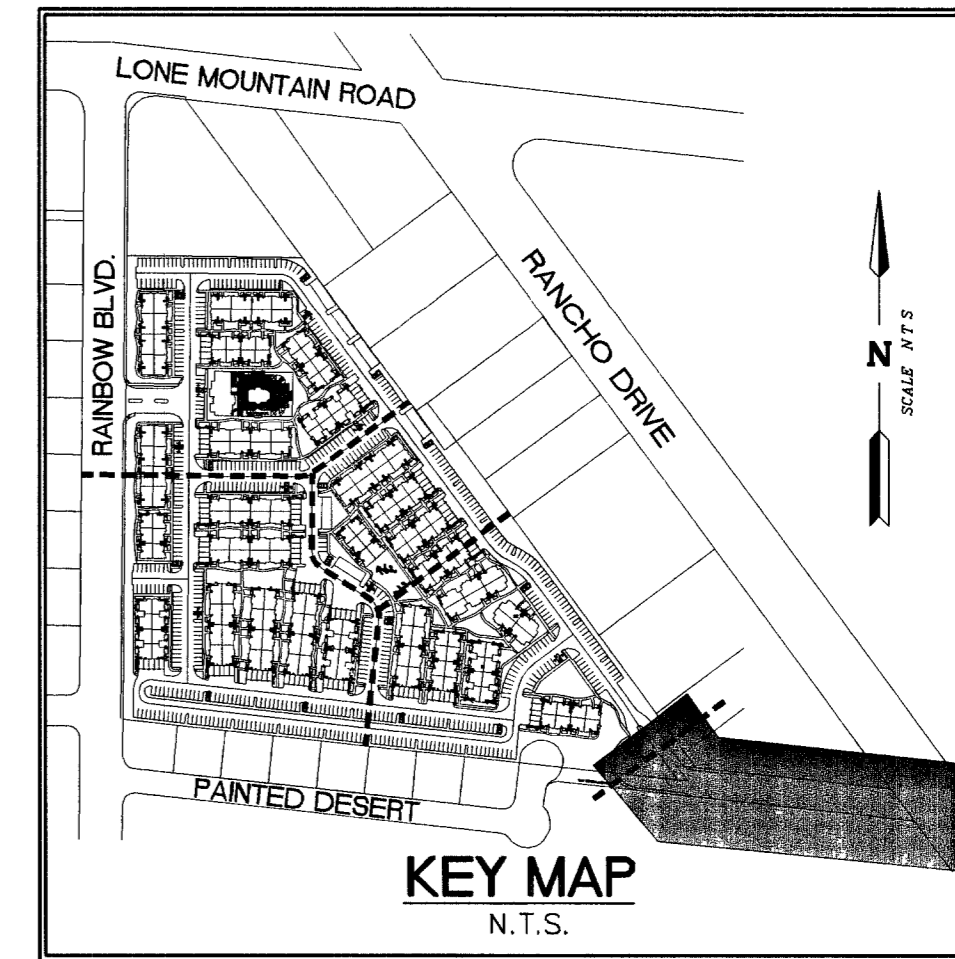
MH #	NORTHING	EASTING	RIM	INV IN	INV OUT
1A	281481.3373	485002.1959	2320.0±	2312.80	2312.60
1B	281479.7998	485172.6056	2321.8±	2311.75	2311.55
2	281331.9715	485171.2718	2321.2±	2310.81	2310.61
3	280903.0049	485167.4014	2318.3±	2308.46	2308.26
4	280860.0448	485560.5860	2316.5±	2306.29	2306.09
5	280826.7843	485864.9965	2315.1±	2304.57	2304.37
6	280927.8494	485876.0390	2315.0±	2303.86	2303.66
7	280696.0809	486218.8150	2313.5±	2300.82	2300.62
8	281009.8638	485987.1020	2314.2±	2302.97	2302.77
13	280859.2847	485071.2114	2319.7±	2309.19	2308.99

SEE FIRE PLUMBING PLANS FOR DIMENSIONAL INFORMATION AND SPECIFICS ON FITTINGS AND VALVES

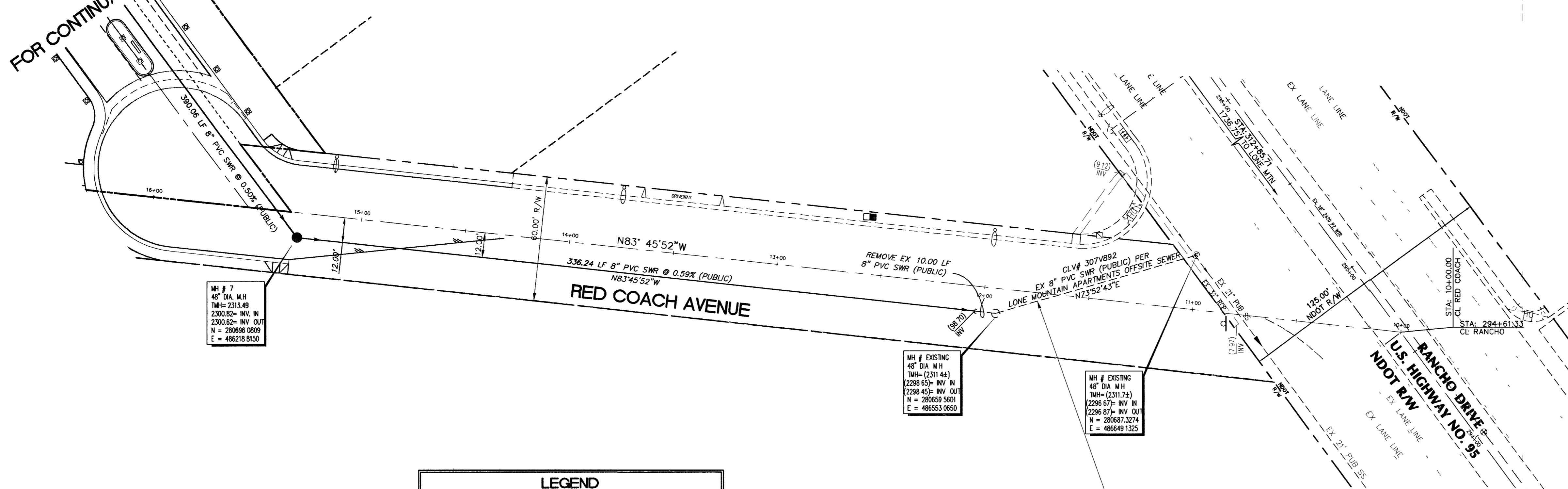


CONSTRUCTION NOTES

- ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. W.V. BOX, W.M., ANNOUE BOX, F.H. TEL. BOX, ETC.)
- ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION
- SEWER CLEANOUTS IN PAVED AREAS SHALL HAVE VALVE BOXES WITH TRAFFIC BEARING LIDS AND CONCRETE COLLARS
- ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEM" (UDACS), LATEST EDITION
- THIS SITE EXPERIENCES A STATIC PRESSURE IN EXCESS OF 80 PSI. INDIVIDUAL PRESSURE REDUCING VALVES ARE REQUIRED FOR ALL UNITS WITH A FINISHED FLOOR ELEVATION LESS THAN 2353.38. ALL INDIVIDUAL PRESSURE REDUCING VALVES ARE TO BE INSTALLED AND MAINTAINED BY THE OWNER/DEVELOPER IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE. ALL BUILDINGS HAVE FINISHED FLOOR ELEVATIONS LESS THAN 2353.38 AND WILL REQUIRE PRV'S
- THE CONTRACTOR IS TO INSTALL A PLASTIC LANDSCAPE METER BOX AT THE LOCATION WHERE THE WATER LATERAL TERMINATES TO EACH BUILDING.



FOR CONTINUATION SEE SHEET U4



WATER QUANTITIES

	PUBLIC	PRIVATE
1 FIRE HYD W/ASSEMBLY PER UDACS PLATE 7	3 EA	16 EA
2 8\"/>		

SEWER QUANTITIES

	PUBLIC	PRIVATE
48\"/>		

BID NOTE

THIS PORTION OF THE SEWER MAIN IS PART OF THIS PROJECT BUT IS CONTAINED UNDER A SEPARATE IMPROVEMENT PLAN SET PLEASE SEE SHEET C5, 5 OF 39 FOR MORE INFORMATION REGARDING BOTH OF THE SEWER MAIN PROJECTS THAT ARE PART OF THIS PROJECT BUT ARE CONTAINED UNDER A SEPARATE IMPROVEMENT PLAN SETS

UTILITY NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE 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.

INSTALLATION OF METER AND VAULT - (2) 6'x3' FMCT

THE METER(S) AND VAULT(S) WITH NON-TRAFFIC/TRAFFIC BEARING COVER(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 21D AND WITH STANDARD VAULT DRAWING C-475, LATEST REVISION. 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 TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY. EASEMENT SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION METER MUST BE SET IN A HORIZONTAL POSITION. AT LEAST EIGHT (8) DIAMETERS OF STRAIGHT PIPE ARE REQUIRED AT THE INLET END OF THE METER

REDUCED PRESSURE PRINCIPLE ASSEMBLY - (2) 8'

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO 11C NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD. 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 EASEMENT SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION

SYMBOLS		DESCRIPTION
EXISTING	PROPOSED	
EX 8\"/>		

BASIS OF BEARINGS:

THE BASIS OF BEARING FOR THIS SURVEY IS THE WESTERLY LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 2, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, COUNTY OF CLARK, STATE OF NEVADA, WHICH BEARS NORTH 00°31'01\"/>

BENCH MARK:

CITY OF LAS VEGAS BENCH MARK 1LV00 3NE66
CITY OF LAS VEGAS PIN AND PLATE IN THE TOP OF CURB, SOUTHWEST CORNER OF RAINBOW BOULEVARD AND RED COACH AVENUE NEAR THE PT OF RED COACH AVENUE
NAVD '88 DATUM
ELEVATION = 2319.021 U.S. SURVEY FEET
ELEVATION = 706.839 METERS

LAS VEGAS FIRE DEPARTMENT

BASED ON
SQUARE FOOTAGE: (NEW) 22,992 SF
LARGEST AREA BETWEEN 4-HR AREA SEPARATION WALLS: NONE
BUILDING HEIGHT: .35'
NUMBER OF STORIES: 2 FLOORS
OCCUPANCY: "B"
FULL AUTOMATIC FIRE SYSTEM: YES
TYPE OF CONSTRUCTION: V-1 HR
ROOF CONSTRUCTION: TILE
TOTAL FIRE FLOW = 2,750 GPM

FIRE DEPARTMENT APPROVAL

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVWD

APPROVED FOR CONSTRUCTION

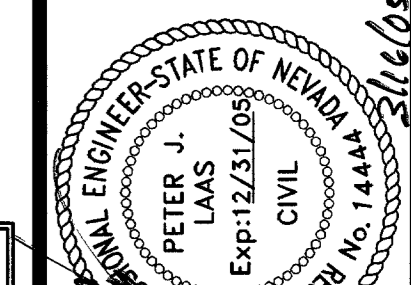
Las Vegas Water District
11-15-05
3/16/05

4/17/05	8/24/05	1/5/06
CHANGE ORDER	APPROVAL	SCHEDULE
BY: [Signature]	BY: [Signature]	BY: [Signature]
DATE: [Date]	DATE: [Date]	DATE: [Date]

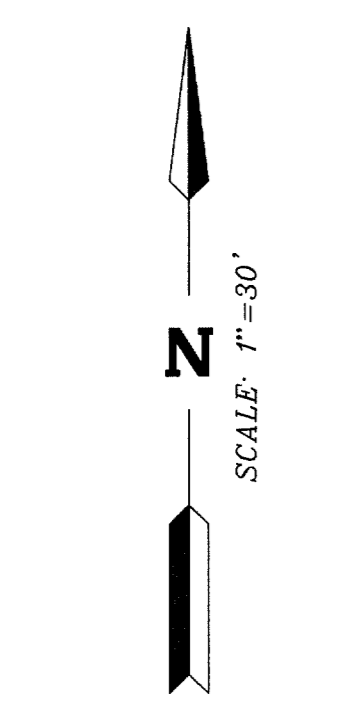
OVATION DEVELOPMENT
1175 AMERICAN PACIFIC DRIVE, SUITE F
HENDERSON, NEVADA 89074
CONTACT: JAN GUYER (702) 990-2325

UTILITY PLAN V
LONE MOUNTAIN APARTMENTS

DRAWN BY: REH
DESIGNED BY: REH
CHECKED BY: PL
PROJECT NO: 662-ET69
SCALE: 1" = 30'



SHEET
U5
18 OF 41 SHEETS
DRAWING NO
107V 4322



CAUTION TO CONTRACTOR!
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Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

85143 78386 86673