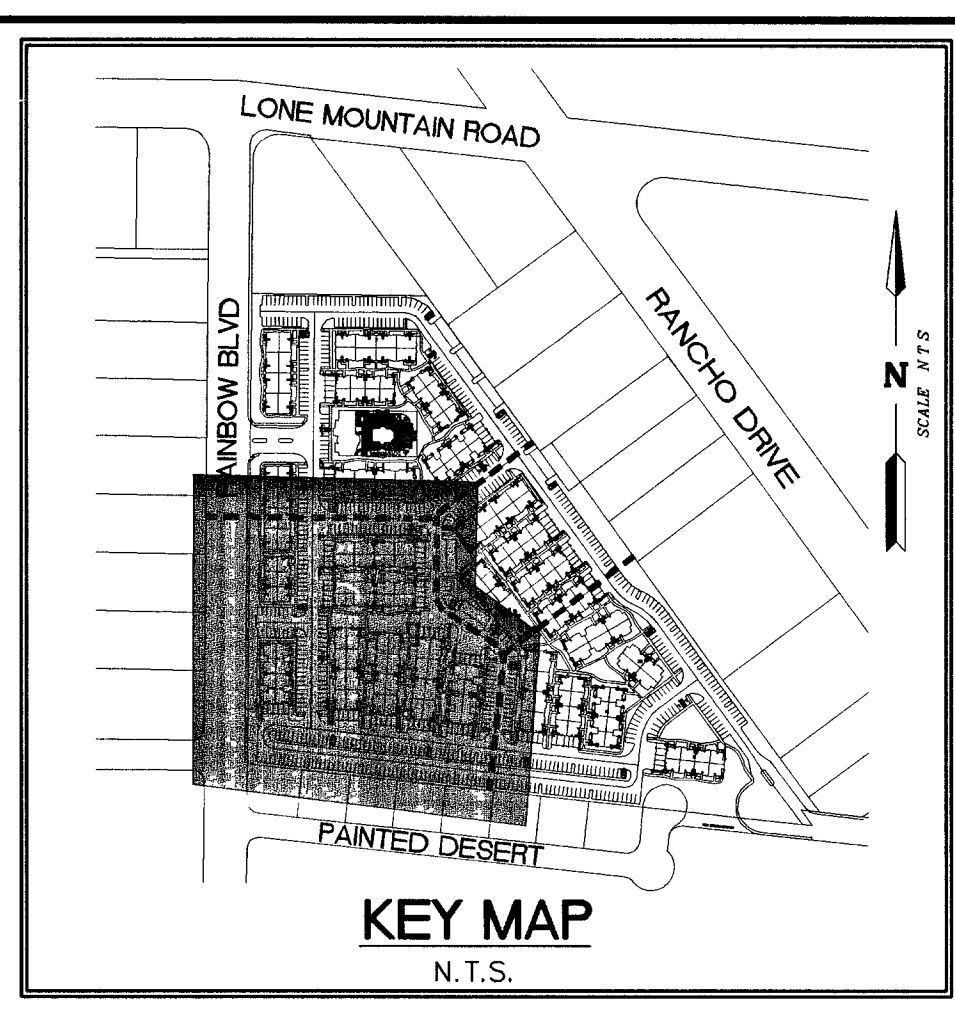
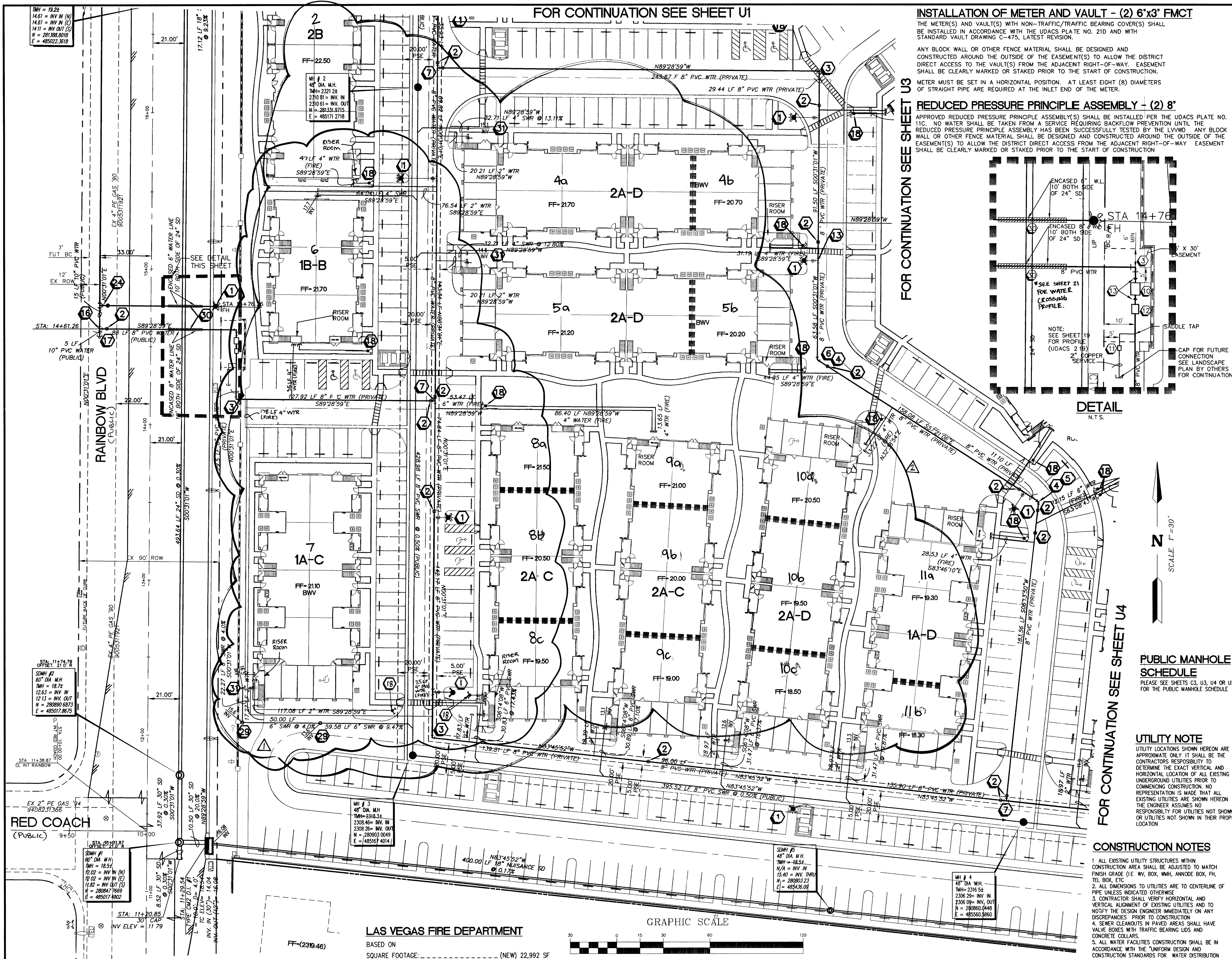




• WATER QUANTITIES			PUBLIC	PRIVATE
1	FIRE HYD. W/ASSEMBLY PER UDACS PLATE 7		3 EA	16 EA
2	8" GATE VALVE PER UDACS PLATE 5		1 EA	26 EA
3	8" 90° BEND PER UDACS PLATE 5		1 EA	5 EA
4	8" 45° BEND PER UDACS PLATE 5		4 EA	4 EA
5	8" 22.5° BEND PER UDACS PLATE 5		- EA	3 EA
6	8" 11.25° BEND PER UDACS PLATE 5		- EA	1 EA
7	8" TEE PER UDACS PLATE 5		- EA	4 EA
8	10" 45° BEND PER UDACS PLATE 5		4 EA	- EA
9	6" 45° BEND PER UDACS PLATE 5		4 EA	- EA
10	6"x3" FMCT PER UDACS PLATE 21D		2 EA	- EA
11	2" RPPA PER UDACS PL. NO. 11A		- EA	2 EA
12	8" RPPA PER UDACS PLATE NO. 11C		2 EA	- EA
13	8" X 6" REDUCER		- EA	14 EA
14	10" X 8" REDUCER		1 EA	- EA
15	16" X 10" TAPPING TEE W/ 10" TAPPING VALVE		2 EA	- EA
16	10" TEE W/ 8" REDUCER		1 EA	- EA
17	12" CAP W/ 2" BLOW-OFF PER UDACS PLATE 4		1 EA	- EA
18	SIAMESE FDC W/ 4" LINE TO RISER ROOM		- EA	27 EA
19	10" 90° BEND PER UDACS PLATE 5		1 EA	- EA
20	12" 90° BEND PER UDACS PLATE 5		1 EA	- EA
21	16" CUT IN VALVE PER UDACS PLATE 5		1 EA	- EA
22	2" WATER METER PER UDACS PLATE NO. 1D		2 EA	- EA
23	10" TEE WITH 6" REDUCER PER UDACS PLATE 5		2 EA	- EA
24	10" TEE WITH 6" REDUCER PER UDACS PLATE 5		1 EA	- EA
25	10" GATE VALVE PER UDACS PLATE NO. 5		1 EA	- EA
26	10" PVC WATER MAIN		1,397 LF	- LF
27	8" PVC WATER MAIN		110 LF	396.3 LF
28	6" PVC WATER MAIN		- LF	59.3 LF
29	4" WATER LATERAL (FIRE)		- LF	1220 LF
30	2" WATER LATERAL		- LF	985 LF
31	1" WATER LATERAL		- LF	194 LF

• SEWER QUANTITIES			PUBLIC	PRIVATE
32	48" SEWER MANHOLE (DEPTH UNDER 6 FEET)		- EA	- EA
33	48" SEWER MANHOLE (DEPTH OVER 6 FEET)		9 EA	4 EA
34	8" PVC SEWER MAIN		2413 LF	1118 LF
35	6" PVC SEWER LATERAL		- LF	1447 LF
36	4" PVC SEWER LATERAL		- LF	66 LF
37	3" PVC SEWER LATERAL		- LF	83 LF
38	SEWER CLEANOUT		- EA	7 EA
39	WATER/SEWER/STORM MAIN CROSSINGS		4 EA	- EA
40	INSTALL BACK WATER VALVE		- EA	3 EA

• ALL QUANTITIES ARE AN ESTIMATE ONLY THE CONTRACTOR IS RESPONSIBLE FOR QUANTITIES FOR BIDDING PURPOSES

LEGEND
PLEASE SEE SHEET 18 FOR LEGEND

CONSTRUCTION NOTES
1. ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. W/ BOX, W/ ANNOXIDE BOX, FH, TEL BOX, ETC)
2. ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE
3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION
4. SEWER CLEANOUTS IN PAVED AREAS SHALL HAVE VALVE BOXES WITH TRAFFIC BEARING LIDS AND CONCRETE COLLARS
5. ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEM" (UDACS), LATEST EDITION
6. 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 PRVS.
7. THE CONTRACTOR IS TO INSTALL A PLASTIC LANDSCAPE METER BOX AT THE LOCATION WHERE THE WATER LATERAL TERMINATES TO EACH BUILDING

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
DATE
3/16/05

CAUTION TO CONTRACTOR
EXISTING 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.
7030300 8065931

Call before you Dig.
1-702-593-6111
1-800-227-2600
UNDERGROUND SERVICE (USA)

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

BENCH MARK:
CITY OF LAS VEGAS BENCH MARK 11V00 3N6E6
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

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

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" EAST, AS PER MAP RECORDED IN BOOK 105, PAGE 58 OF PLATS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

GRAPHIC SCALE
0 15 30 45 60 75 90 105 120
(IN FEET)
1 inch = 30 ft

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

FOR CONTINUATION SEE SHEET U3

FOR CONTINUATION SEE SHEET U4

OVATION DEVELOPMENT
1175 AMERICAN PACIFIC DRIVE SUITE F
HENDERSON, NEVADA 89074
CONTACT: JUAN GONZALEZ (702) 980-2325

UTILITY PLAN II

LONE MOUNTAIN APARTMENTS

DESIGNED BY: MAY 2004
CHECKED BY: MAY 2004
PROJECT NO.: 892-E089
SCALE: 1" = 30'

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
DATE
3/16/05

REVISION
DATE BY
15 OF 41 SHEETS
DRAWING NO. 107V 4322