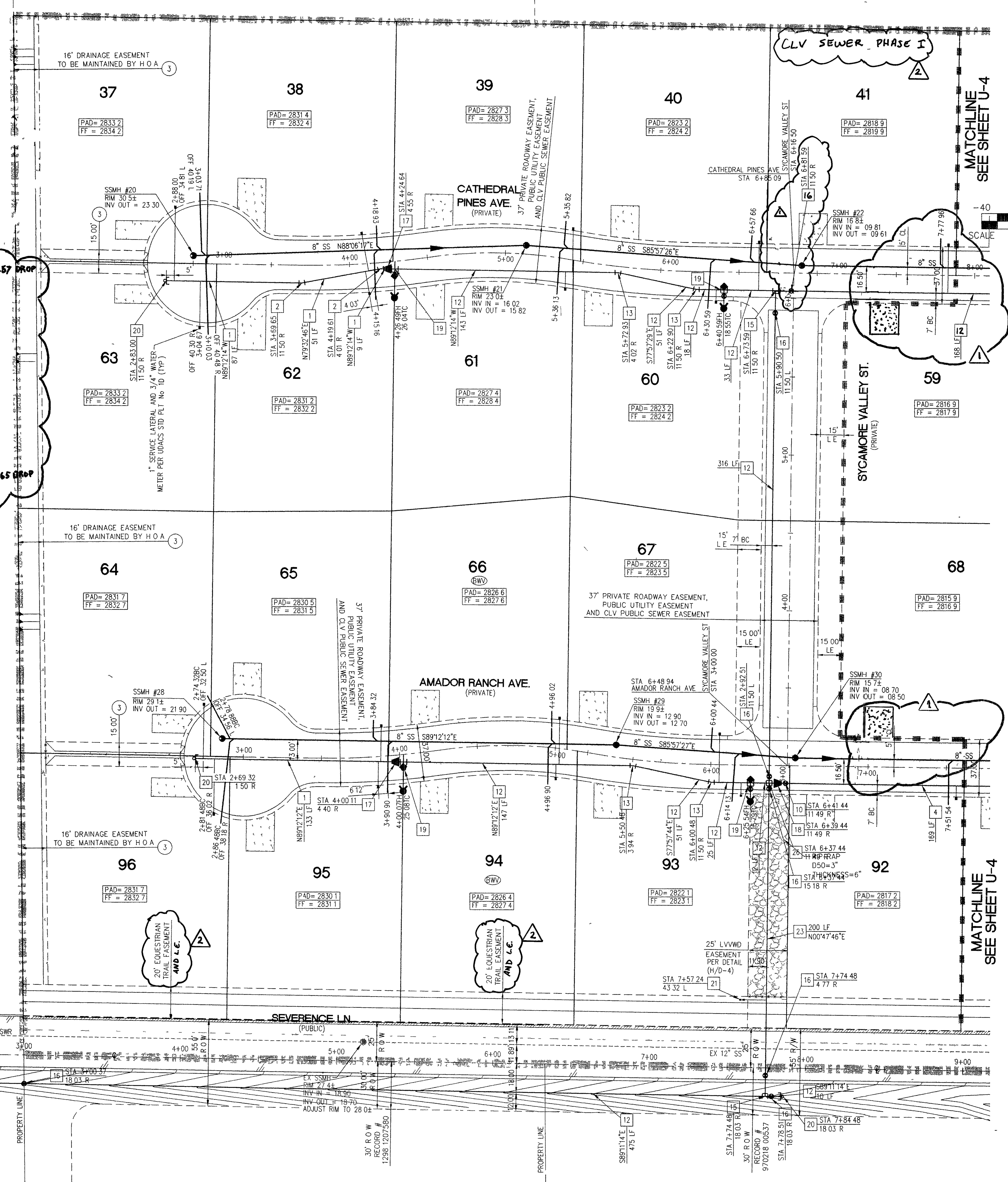
MANHOLE SCHEDULE

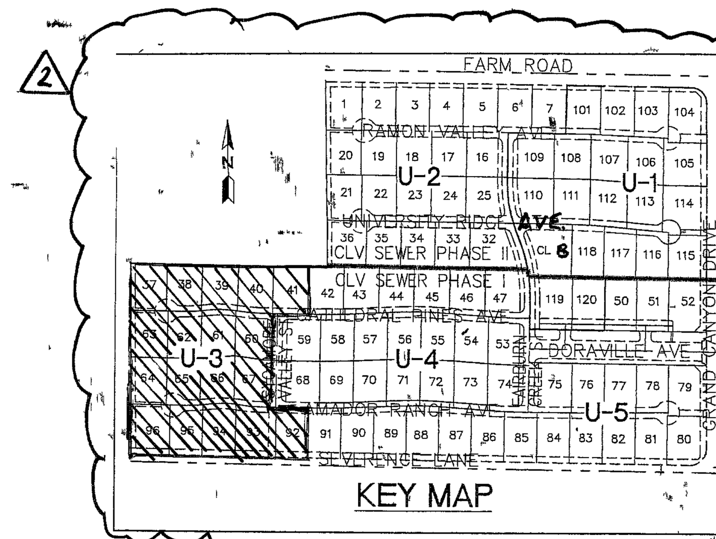
MH #	STREET NAME	STREET STATION	RIM	INV IN	INV OUT
1	RAMON VALLEY AVE	3+05 90	2807 9±	–	2800 72
2	RAMON VALLEY AVE	7+05 90	2796 0±	2788 99	2788 79
3	RAMON VALLEY AVE	10+02 75	2786 8±	2778 51	2778 31
4	RAMON VALLEY AVE.	13+75.12	2774.5±	2766.57	2766.37
5	UNIVERSITY RIDGE AVE.	11+22.25	2781.8±	2774.35	2774.15
6	UNIVERSITY RIDGE AVE.	10+48.25	2784.0±	2776.48	2776.28
7	GRAND CANYON DR	15+13.44	2770.8±	2765.68	2765.48
	-				
9	GRAND CANYON DR	11+10.39	2772.1±	2763.87	2763.67
10	UNIVERSITY RIDGE AVE.	13+81.48	2774.5±	2766.99	2766.79
11	UNIVERSITY RIDGE AVE.	2+96 65	2806 5±	–	2799 44
12	UNIVERSITY RIDGE AVE.	5+63 05	2796 9±	2786 93	2786 73
13	FAIRBURN CREEK ST	9+48 80	2790 4±	2783 40	2783 20
16	FAIRBURN CREEK ST	6+21 50	2786 9±	2779 94	2779 74
17	FAIRBURN CREEK ST	5+38 00	2786 1±	2779 05	2778 85
18	DORAVILLE AVE	6+96 52	2773 2±	2763.73	2763.53
19	GRAND CANYON DR	7+32 44	2768 8±	2760 20	2760 00
20	CATHEDRAL PINES AVE	3+00 00	2830 5±	–	2823 30
21	CATHEDRAL PINES AVE	5+12 97	2823 0±	2816 02	2815 82
22	CATHEDRAL PINES AVE	6+90 09	2816 8±	2809 81	2809 61
23	CATHEDRAL PINES AVE	8+75 29	2809 8±	2802 80	2802 60
24	CATHEDRAL PINES AVE	11+55 13	2799 2±	2792 17	2791 97
25	JONESBORO AVE	3+84 52	2782 7±	–	2775 45
26	JONESBORO AVE	6+60 52	2773 8±	2764.16	2763.96
27	JONESBORO AVE	7+41 71	2771 1±	–	2764.65
28	AMADOR RANCH AVE	2+86 32	2829 1±	–	2821 90
29	AMADOR RANCH AVE	5+38 24	2819 9±	2812 90	2812 70
30	AMADOR RANCH AVE	6+53 94	2815 7±	2808 70	2808 50
31	AMADOR RANCH AVE	8+39 15	2809 3±	2802 30	2802 10
32	AMADOR RANCH AVE	11+36 04	2799 0±	2791 98	2791 78
33	AMADOR RANCH AVE	13+98 93	2789 9±	2782 90	2782 70
34	AMADOR RANCH AVE	17+49 38	2777 4±	2770 40	2770 20
35	GRAND CANYON DR	5+01 41	2767 3±	2758 84	2758 64
36	GRAND CANYON DR	3+12 13	2766 9±	2753 92	2753 72
37	AMADOR RANCH AVE	19+66 46	2769 6±	2761.58	2761.38
38	CATHEDRAL PINES AVE	13+50 00	2791 8±	2783 38	2783 18

MH 19: INV IN = 2762.57 DROP
MH 35: INV IN = 2760.65 DROP

WATERLINE NOTES

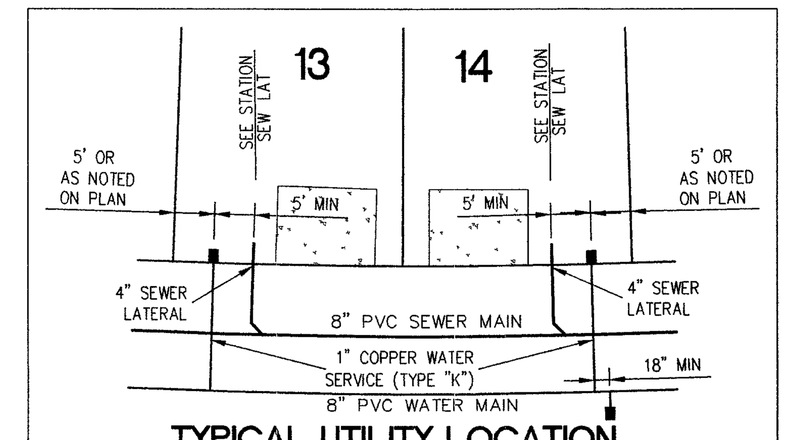
1. 6" PVC WATER LINE
2. 6" 11 25° BEND
3. 6" GATE VALVE
4. 8" PVC WATER LINE
5. 8" D I P WATER LINE
6. 8" 11 25° BEND
7. 8" 22 5° BEND
8. 8" 90° BEND
9. 8" TEE
10. 8" GATE VALVE
11. 8" x 6" REDUCER
12. 10" PVC WATER LINE
13. 10" 11 25° BEND
14. 10" 90° BEND
15. 10" TEE
16. 10" GATE VALVE
17. 10" x 6" REDUCER
18. 10" x 8" REDUCER
19. FIRE HYDRANT ASSEMBLY W/6" GATE VALVE PER UDACS STD PLT NO 7
20. 2" BLOW OFF ASSEMBLY PER UDACS STD PLT NO 4A
21. 1" IRRIGATION SERVICE W/1" METER AND 1" RPPA PER UDACS STD PLT NO 1-D AND 11-A
22. REMOVE CAP AND BLOW OFF PER UDACS PLATE No 4A, NOTE No 1, AND CONNECT TO EXISTING MAIN (FIELD VERIFY INVERT)
23. 10" D I P WATER LINE
24. 10"x 10"x 8" TEE
25. 10"x 10"x 6" TEE
26. 10" CROSS
27. 10" x 10" MJ TAPPING SLEEVE W/ 10" TAPPING VALVE PER UDACS 22
28. 10" 45° D I P VERTICAL JOINT PER UDACS PLT No 15
29. IRRIGATION SLEEVES
30. 10" 22.5° BEND
33. 8" X 6" TEE
34. 8" 5° BEND W/ RESTRAINT JOINTS
35. CONCRETE ENCASE PER UDACS SEC 2 19
36. INSTALL TEMP CAP AND 2" BLOW OFF ASSEMBLY PER UDACS STD PLT NO 4A





LEGEND

- LOT LINE
- STREET CENTERLINE
- POINT OF CONNECTION
- X" PVC W — WATER LINE
- CHANGE IN WATER LINE DIRECTION (MAX 1° DEFLECTION AT JOINT ONLY)
- SEWER LINE W/FLOW DIRECTION ARROW
- EX X" PVC W — EXISTING WATER LINE
- EX X" SWR — EXISTING SEWER LINE
- BWV — BACK WATER VALVE
- 1" SERVICE LATERAL AND 1" WATER METER PER UDACS STD PLT NO 1-B
- SEWER LATERAL
- 32 — LOT NUMBER
- SSMH — SANITARY SEWER MANHOLE
- BLUE REFLECTIVE MARKER PER [97 UFC SEC 901 4 3]
- VALVE (NEW)
- FIRE HYDRANT (NEW)
- VALVE (EXISTING)
- FIRE HYDRANT (EXISTING)
- DENOTES "L" CURB AND GUTTER



TYPICAL UTILITY LOCATION

SCALE NOT TO SCALE
(SIZES AS NOTED ON PLANS)

FIRE DEPARTMENT NOTES

1 ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE 1997 EDITION OF THE UNIFORM FIRE CODE, AND THE 1995 EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24

2 ON ANY BUILDING CONSTRUCTION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE MATERIALS ARE DELIVERED TO THE SITE AND CONSTRUCTION COMMENCES SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH THE REQUIRED WATER SUPPLY

3 IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, THE CLARK COUNTY FIRE DEPARTMENT MUST BE CONTACTED

4 PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY PER FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION BUREAU

5 NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 5 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTION AT ALL TIMES

6 AT ALL TIMES DURING CONSTRUCTION SUITABLE EMERGENCY VEHICLE ACCESS ROAD MUST BE MAINTAINED ROADWAYS MUST BE SMOOTH, COMPACTED AND CAPABLE OF SUPPORTING THE IMPOSED LOADS OF ALL EMERGENCY VEHICLES

7 PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED APPROVED PLANS AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION

8 BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED [97 UFC SEC 901 4 3]

FIRE DEPARTMENT DATA

FIRE FLOW REQUIREMENT 2250 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE BASED ON
SQUARE FOOTAGE LESS THAN 7700 SQUARE FEET
OCCUPANCY SINGLE FAMILY RESIDENCE
BUILDING DETAIL Vn- R3-U1 N

WATER MAIN JOINT DEFLECTION (PVC, 4"-24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONL THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2 06 01 AND 2 06 02

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED

Avoid cutting underground utility lines It's costly
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call before you UnderGround
1-702-455-7511
1-702-229-6611

EASEMENT NOTES

1. 37' DRAINAGE EASEMENT, LVVWD WATER EASEMENT, PUBLIC UTILITY EASEMENT (TO BE MAINTAINED BY H O A) AND CLV PUBLIC SEWER EASEMENT

DENOTES AREA TO BE COVERED BY (1) EASEMENT CALLOUT

2. 20' DRAINAGE EASEMENT (TO BE MAINTAINED BY H O A) AND CLV PUBLIC SEWER EASEMENT
3. DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED BY H O A (SEE DIMENSION ON PLAN FOR EASEMENT WIDTH)

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE No 11A NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD

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

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION

NOTES

1 H O A RESPONSIBLE FOR ALL WATER SERVICE LATERALS PAST METER

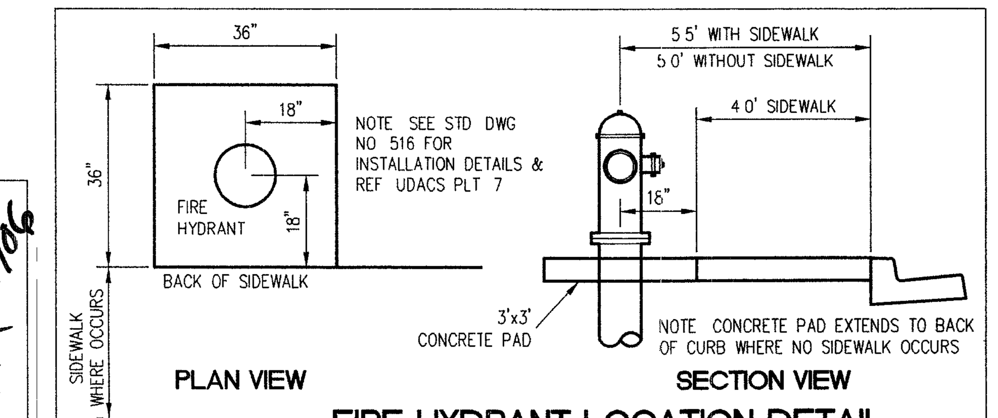
2 INSALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE No 27

NOTE THIS PROJECT PLAN APPROVAL CONTINGENT ON PROJECT# H108723, CAPRIANA PLAN APPROVAL

2975 WATER PRESSURE ZONE

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT 7-11-05 DATE
PROJECT# H108887

COUNTY OF CLARK FIRE DEPARTMENT APPROVED 5/4/06
BY 7/7/05
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS FIRE FLOW 2250 GPM AT 20 P S I RESIDUAL



FIRE HYDRANT LOCATION DETAIL

SCALE NOT TO SCALE

SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NO.	DESCRIPTION	DATE	BY	APP.
1	REV. DRWG'S UTIL LATL LOCATION			8/29/05
2	REV. SEWER MANHOLE TABLE, REVISED SWR MH TABLE, ESMT CALLOUT + KEY MAP	08/22/05, 4/10/06		LVVWD

CLARK COUNTY, NEVADA

PINNACLE HOMES
SABLE CREEK
UTILITY PLAN III

SECTION 18
TOWNSHIP 19 SOUTH
RANGE 60 EAST, M.D.M.

DATE 06/20/05
DRAFTER: DMB
DESIGNER: DMB
CHECKED: TJS
PROJECT NO. PIN0402-001

PROFESSIONAL ENGINEER STATE OF NEVADA — TODD J. STEADHAM, Exp. 06/30/2006, CIVIL, No. 15292 — 7/7/05

U-3
SHEET 5 OF 44
CLV DWG #307V930
CC HTE# 05-7995

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