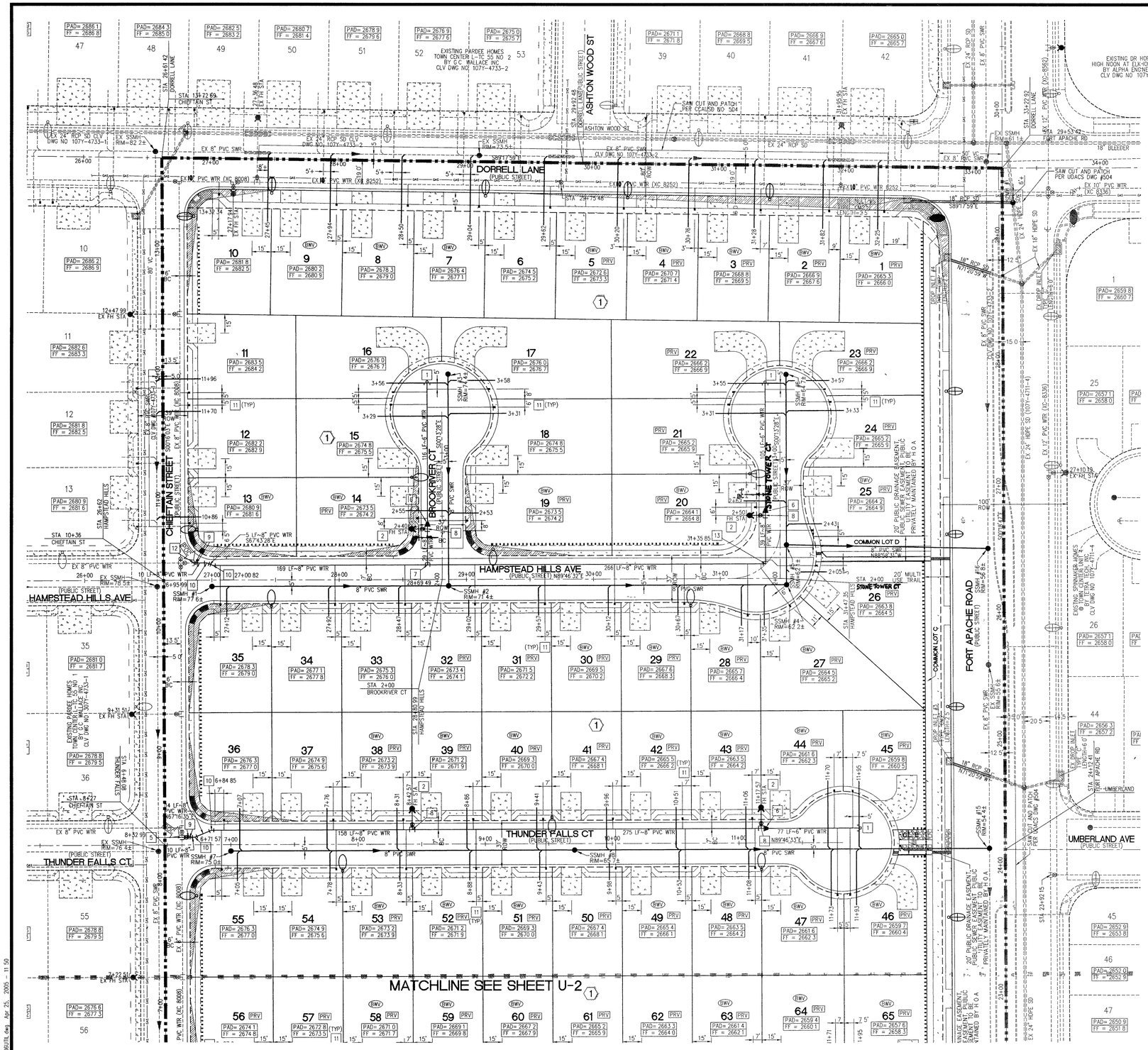
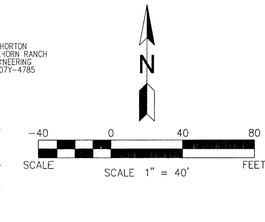
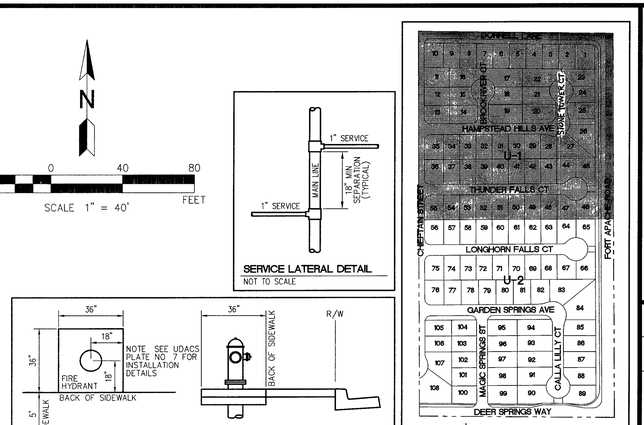
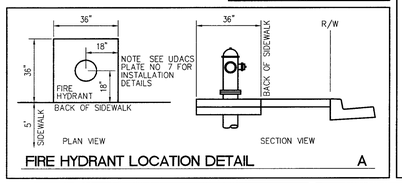




SERVICE LATERAL DETAIL
NOT TO SCALE





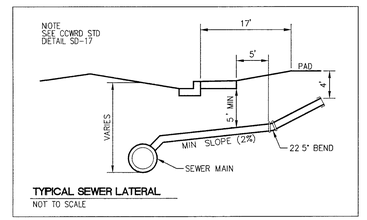
FIRE HYDRANT LOCATION DETAIL A

WATER NOTES

1. 2" BLOW-OFF VALVE PER UDACS PLATE NO 4A
2. FIRE HYDRANT ASSEMBLY COMPLETE PER UDACS PLATE NO 7 INCLUDING 6" GATE VALVE SEE DETAIL A SHEET U-1
3. 8" GATE VALVE WITH VALVE BOX PER UDACS PLATE NO 8 & 3
4. 10" X 8" MECHANICAL JOINT TAPPING SLEEVE WITH 8" TAPPING VALVE
5. 8" X 8" MECHANICAL JOINT TAPPING SLEEVE WITH 8" TAPPING VALVE
6. 8" X 6" REDUCER
7. 8" TEE
8. 8" X 6" TEE
9. 8" 45 DEGREE BEND
10. 8" 22 5 DEGREE BEND
11. 1" COPPER SERVICE W/5/8" METER PER UDACS PLATE NO 1B
12. REMOVE CAP AND BLOW OFF PER UDACS PLATE NO 4A, NOTE NO 1, AND CONNECT TO EXISTING 8" MAIN
13. 8" 90 DEGREE BEND

LEGEND

49	LOT NUMBER
1	BLOCK NUMBER
	PROPERTY LINE
	MATCHLINE
FH	FIRE HYDRANT WITH 6" GATE VALVE
ROW	RIGHT-OF-WAY
8" WTR	WATER LINE
	WATER LATERAL AND METER (5/8" METER TYPICAL)
	REDUCER
	WATER GATE VALVE
8" SWR	SEWER LINE
	SEWER LATERAL
EX	EXISTING UTILITY
	SEWER FLOW DIRECTION
SSMH	SANITARY SEWER MANHOLE
EX SSMH	EXISTING SANITARY SEWER MANHOLE
SDMH	STORM DRAIN MANHOLE
EX SDMH	EXISTING STORM DRAIN MANHOLE
GAS	EXISTING 6" GAS LINE
EX WTR	EXISTING WATER FITTINGS
	100W HPS LUMINAIRE W/11 GA POLE PER TOWN CENTER STANDARDS (STLT)
	250W HPS LUMINAIRE W/11 GA POLE PER TOWN CENTER STANDARDS (STLT)
	400W HPS LUMINAIRE W/11 GA POLE PER TOWN CENTER STANDARDS (STLT)
	CONCRETE DRIVEWAY
PRV	PRESSURE REDUCER VALVE
BWV	BACK WATER VALVE
	CONCRETE ENCASE PER UDACS SEC 2 19
POC	POINT OF CONNECTION



TYPICAL SEWER LATERAL
NOT TO SCALE

SEWER MANHOLE SCHEDULE

MH #	STREET NAME	STREET STA	RIM ELEV	INV IN	INV OUT
1	HAMPSTEAD HILLS	27+Q0	2677 6±	–	2669 98
2	HAMPSTEAD HILLS	28+85 99	2671 4±	2663 45 (2)	2663 25
3	BROOKRIVER CT	3+63	2674 4±	–	2667 15
4	HAMPSTEAD HILLS	31+52 35	2662 2±	2654 17	2653 97
5	SUN SHIRE CT	2+26 46	2662 1±	2653 68 (2)	2653 48
6	SUN SHIRE CT	3+62	2664 7±	–	2656 54
7	THUNDER FALLS	7+00	2675 0±	–	2667 18
8	THUNDER FALLS	9+70 25	2665 7±	2657 70	2657 50
9	LONGHORN FALLS	7+00	2672 9±	–	2665 20
10	LONGHORN FALLS	9+70 64	2663 7±	2655 70	2655 50
11	GARDEN SPRINGS	29+03 96	2664 6±	–	2656 64
12	GARDEN SPRINGS	31+39 13	2657 1±	2648 37	2648 17
13	DEER SPRINGS	21+39 17	2652 6±	2640 80	(2640 47)
14	FORT APACHE	22+04 43	2652 8±	2644 71	(2644 51)
15	FORT APACHE	24+13 43	2654 4±	2646 43	(2646 23)
16	FORT APACHE	26+50 43	2656 8±	2648 76	(2648 56)

ESTIMATED AVERAGE DAILY SEWER CONTRIBUTIONS

108 UNITS X 250 GPD/UNIT= 27,000 GPD
TOTAL AVERAGE CONTRIBUTION=
27,000 GPD = 0 02700 MGD

TOTAL PEAK FLOW= 0 02700
MGD X 2 5 (PEAK FACTOR)= 0 06750 MGD

BENCHMARK

RIVET AND SQUARE ALUMINUM PLATE IN TOP CENTER OF HEADWALL ON THE WEST SIDE OF U S 95 NEAR MILE 90 15

BENCHMARK- CLARK COUNTY B M. OC90 17N6
NAVD 88 ELEVATION – 799 117 (M)
2621 770 (F) V 1994 INITIAL PROJECT B M

CLARK COUNTY ELEVATION MINUS 0 1' EQUALS
CITY OF LAS VEGAS ELEV 2621 670 (F) – 799 087 (M) V 2003

BASIS OF BEARINGS

NORTH 9°41'42" EAST, BEING THE LINE BETWEEN THE CCGIS MONUMENTS 860 TO CCGIS MONUMENT 877, USING THE NAD 83 NEVADA EAST ZONE, PUBLISHED VALUES PER R O S IN THE FILE 88 PG 53 OF SURVEYS, RECORDS IN THE CLARK COUNTY, NEVADA

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT — DATE
PROJECT #H-110532

APPROVAL

CLARK COUNTY DEPARTMENT — DATE

Call before you UnderGround
1-702-455-7511
CLARK COUNTY WATER STATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

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

NOTE
-HOA RESPONSIBLE FOR ALL WATER SERVICE LATERALS PAST METER
-ADJUST WATER VALVE BOXES TO FINISHED GRADE PER UDACS PLATE NO 8 VALVE SHALL BE ACCESSIBLE AT ALL TIMES
-INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE NO 27

SERVICE LATERALS FOR LOTS 1–13, 105–108 & IRRIGATION SERVICE WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVVWD

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2 19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES

LOTS 1–5, 14, 19–32, 38–53 & 56–108

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

WATER MAIN JOINT DEFLECTION (PVC, 4' – 24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY 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

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 1"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER 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 ACCESS FROM THE ADJACENT RIGHT-OF-WAY

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

79963

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

LAS VEGAS, NEVADA

PARDEE HOMES OF NEVADA
TOWN CENTER L-TC 55 NO. 4
UTILITY PLAN I

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

DATE: 4/25/05
DRAFTER: JDP
DESIGNER: JDP
CHECKED: TJS

PROJECT NO.
PAR0302-006

PROFESSIONAL ENGINEER – STATE OF NEVADA
TODD J. STEADHAM
Exp. 06/30/2006
CIVIL
No. 15232
4/25/05

U-1
SHEET 3 OF 25

10744733-4

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