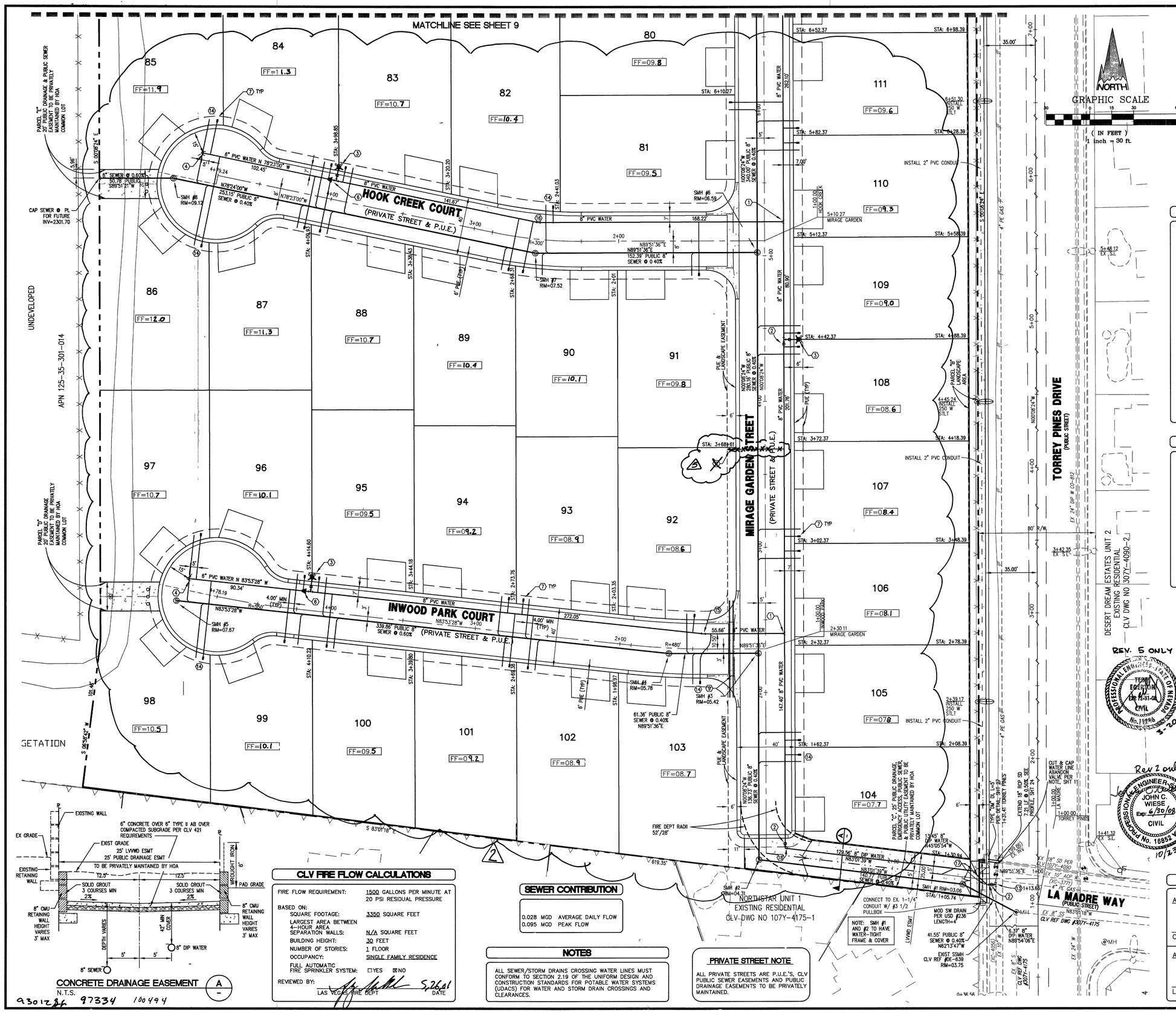
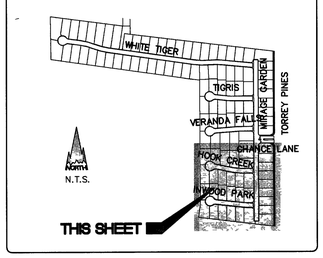


KEY MAP



UTILITY LEGEND

BOUNDARY		PRESSURE REDUCING VALVE	PRV
CENTER LINE & STATION	10+00	FIRE HYDRANT	
RIGHT-OF-WAY		2" BLOW-OFF	
LOT LINE		GATE VALVE	
WATER MAIN	8" W	WATER METER	
WATER LATERAL		PIPE FITTINGS	
EXISTING WATER MAIN	EX 8" W	SEWER MANHOLE	
EXISTING GAS MAIN	EX GAS	STORM DRAIN MANHOLE	
SEWER MAIN	8" SS	100W STREET LIGHT	
SEWER LATERAL		150W STREET LIGHT	
EXISTING SEWER MAIN	EX. 8" SS	200W STREET LIGHT	
STORM DRAIN MAIN	36" RCP	400W STREET LIGHT	
STORM DRAIN LATERAL	18" RCP	PROP. SL CONDUIT	
EXISTING STORM DRAIN	EX 36" SD	EXISTING STREETLIGHT	
BACK OF CURB		EX. SL CONDUIT	
FACE OF CURB		STREETLIGHT SERVICE POINT	
LIP OF GUTTER		SIDEWALK	
EDGE OF PAVEMENT		EXISTING CURB	
		EDGE OF EXISTING PVMT	

WATER FITTING LEGEND

1. 8" X 8" TEE
2. 8" GATE VALVE
3. 6" FIRE HYDRANT ASSY. PER UDACS STD. PLATE 7 (INCLUDE GATE VALVE, TEE & LATERAL)
4. 2" BLOW-OFF ASSY. W/CAP PER UDACS STD. PLATE 4A
5. 6" – 11¼° BEND
6. 8" x 6" REDUCER
7. 3/4" METER-PER UDACS STD PLATE NO. 1D
8. 1" METER-PER UDACS STD. PLATE No. 1D (IRR.) W/ 1" RPPA PER UDACS PLATE # 11A
9. INSTALL (2) 4" SCH. 40 IRRIGATION SLEEVES
10. 24" x 8" TAPPING SLEEVE W/ 8" TAPPING VALVE
11. 8" x 8" TAPPING SLEEVE W/ 8" TAPPING VALVE
12. 6" GATE VALVE
13. 10" x 8" MJ TAPPING SLEEVE W/ 8" TAPPING VALVE
14. 1" METER PER UDACS STD PLATE NO. 1D
15. 8" – 5° BEND BESTRAINED
16. 8" – 11¼° BEND
17. 8" – 45° BEND
18. 8" – 90° BEND

ESTIMATE OF QUANTITIES

(SHEETS 8–12 & 28) WATER

STD. FIRE HYD. ASSEMBLY PER UDACS PLATE 7	11 EA
8" PVC WATERLINE	3750 LF
8" DIP WATERLINE	309 LF
6" PVC WATERLINE	750 LF
8" GATE VALVE	8 EA
3/4" METER BOX	85 EA
1" METER BOX	27 EA
1" METER PER UDACS 1–D WITH 1" RPPA PER UDACS 11–A FOR IRR	3 EA
2" BLOW-OFF ASSEMBLY W/CAP	8 EA
CONNECT TO EXISTING	5 EA
6" GATE VALVE	2 EA

REV. 5 ONLY

PROFESSIONAL ENGINEER STATE OF NEVADA TERRY L. EDELSTEIN Exp. 12-31-08 CIVIL No. 11996 3-20-07

Rev 2 only

PROFESSIONAL ENGINEER STATE OF NEVADA JOHN C. WIESE Exp. 6/30/08 CIVIL No. 16852 10/23/06

BASIS OF BEARINGS

THE EAST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 35, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY THAT RECORD OF SURVEY ON FILE IN FILE 40 OF SURVEYS, PAGE 74 IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

SAID LINE BEARS SOUTH 00°08'24" EAST.

BENCHMARK

CLV BM 0LV90 35S4
BEING A RIVET & PLATE IN TOP OF CURB 60 FT NORTH OF LONE MOUNTAIN ON EAST CURB OF TORREY PINES.

ELEVATION: 2301.17 FEET/701.3985 METERS
(NAVD '88 DATUM)

CONCRETE DRAINAGE EASEMENT (A)

N.T.S.

CLV FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT:	1500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE
BASED ON:	
SQUARE FOOTAGE:	3350 SQUARE FEET
LARGEST AREA BETWEEN 4–HOUR AREA SEPARATION WALLS:	N/A SQUARE FEET
BUILDING HEIGHT:	30 FEET
NUMBER OF STORIES:	1 FLOOR
OCCUPANCY:	SINGLE FAMILY RESIDENCE
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	☐YES ☒NO

REVIEWED BY: LAS VEGAS FIRE DEPT 5.26.06 DATE

SEWER CONTRIBUTION

0.028 MGD AVERAGE DAILY FLOW
0.095 MGD PEAK FLOW

NOTES

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 DRAIN CROSSINGS AND CLEARANCES.

PRIVATE STREET NOTE

ALL PRIVATE STREETS ARE P.U.E.'S, CLV PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED.

APPROVALS

APPROVAL

CITY OF LAS VEGAS FIRE DEPARTMENT 5.26.06 DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PROJECT #111386 6-01-06 DATE

REV.:	DATE:	BY:	DESCRIPTION:
3	3.20.07	S.G	REMOVED (1) IRR. METER & RPPA
2	9-12-06	S.G	RAISED PP FOR 6"

D.R. HORTON
6845 ESCONDIDO STREET BLDG #6, SUITE 105
LAS VEGAS, NV 89119
PHONE: (702) 435-4888 FAX: (702) 638-4700

LONE MOUNTAIN ENGINEERING
6345 S. JONES BLVD, SUITE 200
LAS VEGAS, NEVADA 89118
PHONE: (702) 312-9330 FAX: (702) 320-1769

SHEET: UTILITY/STREETLIGHT PLAN SHEET 01

TITLE: BAVARIA ESTATES

DATE: DRAWN BY:
DATE: DESIGNED BY:
DATE: CHECKED BY: RLJ
PROJECT NO: LM05003.01

PROFESSIONAL ENGINEER STATE OF NEVADA TED T. GOLESTANI Exp. 12-31-06 CIVIL No. 11998 5/25/06

SHEET No. 8 OF 28

107Y4934

93012 86 97334 100494