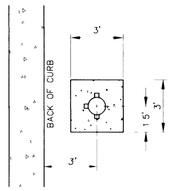


ONSITE FIRE HYDRANT LOCATION

NOT TO SCALE

STREETLIGHT CIRCUIT VERIFICATION

CIRCUIT "B"

EXISTING SERVICE POINT CAPACITY = 60 AMPS
MAXIMUM ALLOWABLE DRAW = 48 AMPS
EXISTING CIRCUIT LOAD 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT:

	100W @ 1.0 AMPS =		AMPS
6	150W @ 1.0 AMPS =	6	AMPS
	200W @ 1.5 AMPS =		AMPS
	250W @ 1.5 AMPS =		AMPS
	400W @ 3.9 AMPS =		AMPS

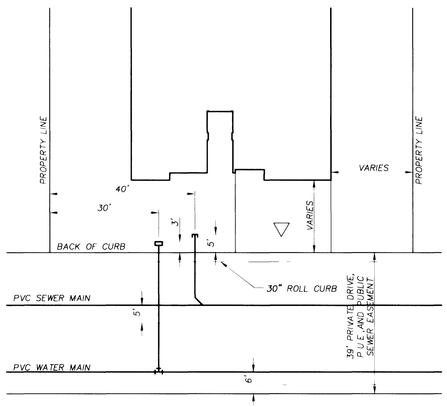
TOTAL PROPOSED LOAD = 6 AMPS

EXISTING PLUS PROPOSED LOAD = 6
REMAINING AVAILABLE LOAD = 42

TYPICAL SERVICE POINT

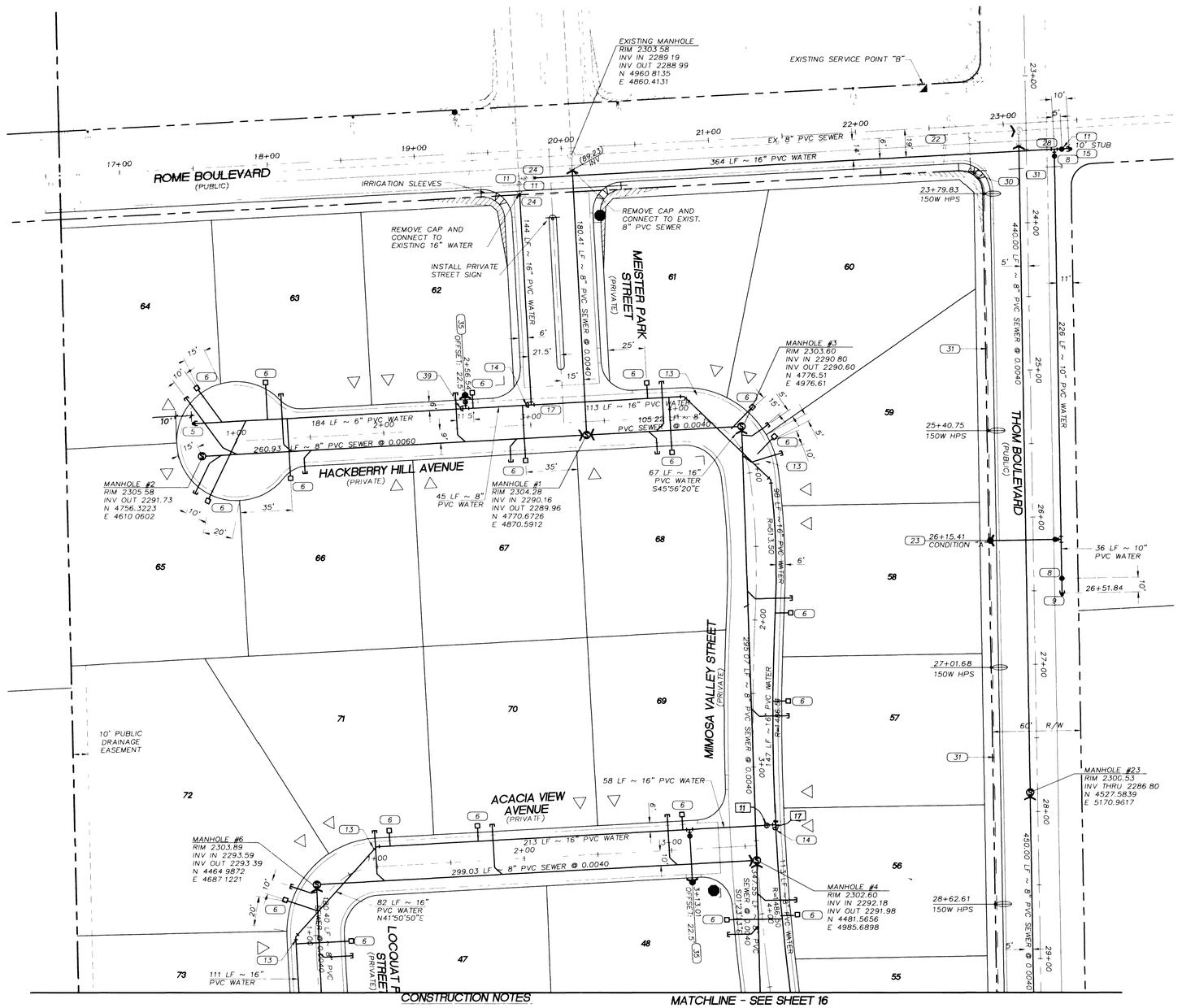
200 AMP 240V PAD MOUNT SERVICE WITH

2 - 2 POLE 60 AMP CIRCUIT BREAKERS
1 - 1 POLE 15 AMP CIRCUIT BREAKERS
0 - 1 POLE 40 AMP CIRCUIT BREAKERS
0 - 1 POLE 60 AMP CIRCUIT BREAKERS
2 - 2 POLE 60 AMP CONTACTOR/S
1 - BY-PASS SWITH PER CONTACTOR



TYPICAL UTILITY LOCATION

NOT TO SCALE



SCALE: 1"=40'

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

LEGEND

- DRIVEWAY LOCATION
- NO. 3 1/2 PULLBOX
- NO. 5 PULLBOX
- NO. 7 PULLBOX
- 150 W LUMINAIRE
- FUTURE 150 W LUMINAIRE
- 2" STREETLIGHT CONDUIT
- 1-1/4" STREETLIGHT CONDUIT
- 3" INTERCONNECT CONDUIT
- 2" SIGNAL LIGHT CONDUIT
- 200 AMP SERVICE POINT
- 30" STOP SIGN (R-1)
- 9" STREET NAME SIGN

SEWER CONNECTION NOTE:

A SEGMENT OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT YET BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY HAVE BEEN DEEMED AVAILABLE FOR SERVICE.

NOTE:

SEE SHEET 2 FOR UTILITY QUANTITIES.
ALL WATER 24" PIPE OVERSIZED FROM 12" (BRADLEY ROAD).
ALL WATER 16" PIPE OVERSIZED FROM 8"

CITY FIRE DEPARTMENT — 10/23/01 DATE

LAS VEGAS VALLEY WATER DISTRICT — 11-19-01 DATE

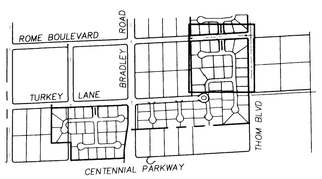
PRIVATE STREET
NO PUBLIC MAINTENANCE

PRIVATE STREET SIGN SHALL READ "PRIVATE STREET" "NO PUBLIC MAINTENANCE" USING 2" BLACK LETTERS ON WHITE BACKGROUND

CONSTRUCTION NOTES

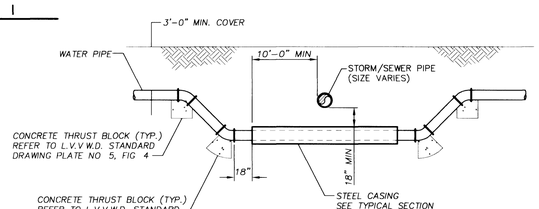
1. 8" GATE VALVE
2. 8" 45° BEND
3. 8" CROSS
4. 8" TEE
5. 6" CAP WITH BLOW-OFF
6. 3/4" WATER METER WITH 1 1/2" COPPER SERVICE PER DETAIL (SHT. 24)
7. 10" TEE
8. 10" GATE VALVE
9. 10" CAP W/ BLOW-OFF
10. 10" x 8" REDUCER
11. 16" GATE VAVLE
12. 16" x 8" TEE
13. 16" 45° BEND
14. 16" x 8 " REDUCER
15. 16" CAP W/ BLOW-OFF
16. 16" CROSS
17. 16" TEE
18. 16" x 10" REDUCER
19. 24" x 12" TEE
20. 24" x 16" REDUCER
21. 24" 11-1/4° BEND
22. ENGASE WATER LINE 10' EACH SIDE PER LVVWD STANDARDS (SEE SHEET 17)
23. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7
24. REMOVE CAP AND CONNECT TO UTILITY IF EXISTING
25. 3/4" IRRIGATION METER W/ 1" COPPER SERVICE AND 1" RPPA PER UDACS PLATE 10 AND 11A
26. 12" GATE VALVE
27. 12" CAP W/ BLOW-OFF
28. 16" x 10" TEE
30. INSTALL #3 1/2 PULLBOX FOR STREET LIGHTING
31. INSTALL 1-1/4" PVC CONDUIT FOR STREET LIGHTS
32. INSTALL 2" PVC CONDUIT FOR STREET LIGHTS
33. INSTALL #7 PULLBOX FOR INTERCONNECT TO BE PLACED AT 500' MAXIMUMS.
34. INSTALL 3" PVC CONDUIT WITH (1) #8 WIRE FOR FUTURE TRAFFIC SIGNAL INTERCONNECT CONDUITS TO HAVE 45° RIGID BONDS (PVC OVER STEEL) INTO #7 PULLBOXES.
35. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE 7 AND DETAIL THIS SHEET
36. INSTALL STREETLIGHT FOUNDATION PER STD DWG NO 321
37. 16" X 6" TEE
38. 8" CAP WITH BLOW OFF
39. 8" x 6" REDUCER
40. 12" 11-1/4° BEND
41. 6" 45° BEND

MATCHLINE - SEE SHEET 16



KEY MAP

SCALE 1"=800'



WHERE THE WATERLINE IS LESS THAN 18 INCHES OVER THE SEWER LINE, WHERE THE WATER LINE IS UNDER THE SEWER LINE, AND WHERE THE HORIZONTAL SEPARATION, AS REQUIRED BY THE WATER SUPPLY REGULATIONS, CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTIONS, THE WATER LINE SHALL BE PROTECTED BY CONSTRUCTION OF THE STORM/SEWER LINE AS FOLLOWS:

1. EXTRA HEAVY CAST IRON PIPE,
2. WATER SUPPLY QUALITY MATERIALS; OR
3. ENCASEMENT WITH FOUR INCHES, MINIMUM, OF CONCRETE OR SLEEVING WITH WATER SUPPLY QUALITY PIPE

EACH OF THESE PROVISIONS SHALL ALSO BE EXTENDED FOR OTHER THAN 90 DEGREE CROSSINGS TO THE POINT AT WHICH THE TEN FOOT SEPARATION BETWEEN THE WATER AND SEWER LINES IS ACHIEVED (10/SINE OF CROSSING ANGLE.)

STORM/SEWER WATER CROSSING DETAIL

NOT TO SCALE

DISCLAIMER NOTE

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 Overhead
1-702-593-8111

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL 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

36620

NO.	REVISIONS	BY	DATE	APPR.

F:\PROJECTS\019.01001\Improvement Plans\unit 2\019001DU.dwg 10/17/01 10:01:19 AM PDT

PRIMAS AND ASSOCIATES
CONSULTING ENGINEERS
109 SOUTH CAMARON RD. STE. A-4
LAS VEGAS, NEVADA 89145
(702) 228-8193
FAX (702) 228-8194

SCALE (H): 1"=40'
SCALE (V):
DRAWN: BP
DESIGN: BP
CHECKED: DPNH
DATE: 3/9/01

DR HORTON CUSTOM HOMES

MEISTER PARK NORTH NO. 2

UTILITY PLAN

RECOMMENDED BY:

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
DAVID P.N. HUCKLE
No. 5258
CIVIL
10/16/01
DAVID P.N. HUCKLE, P.E.
R.P.E. NO. 5258

SHEET 17 OF 24

019.01001

3074-4667-2