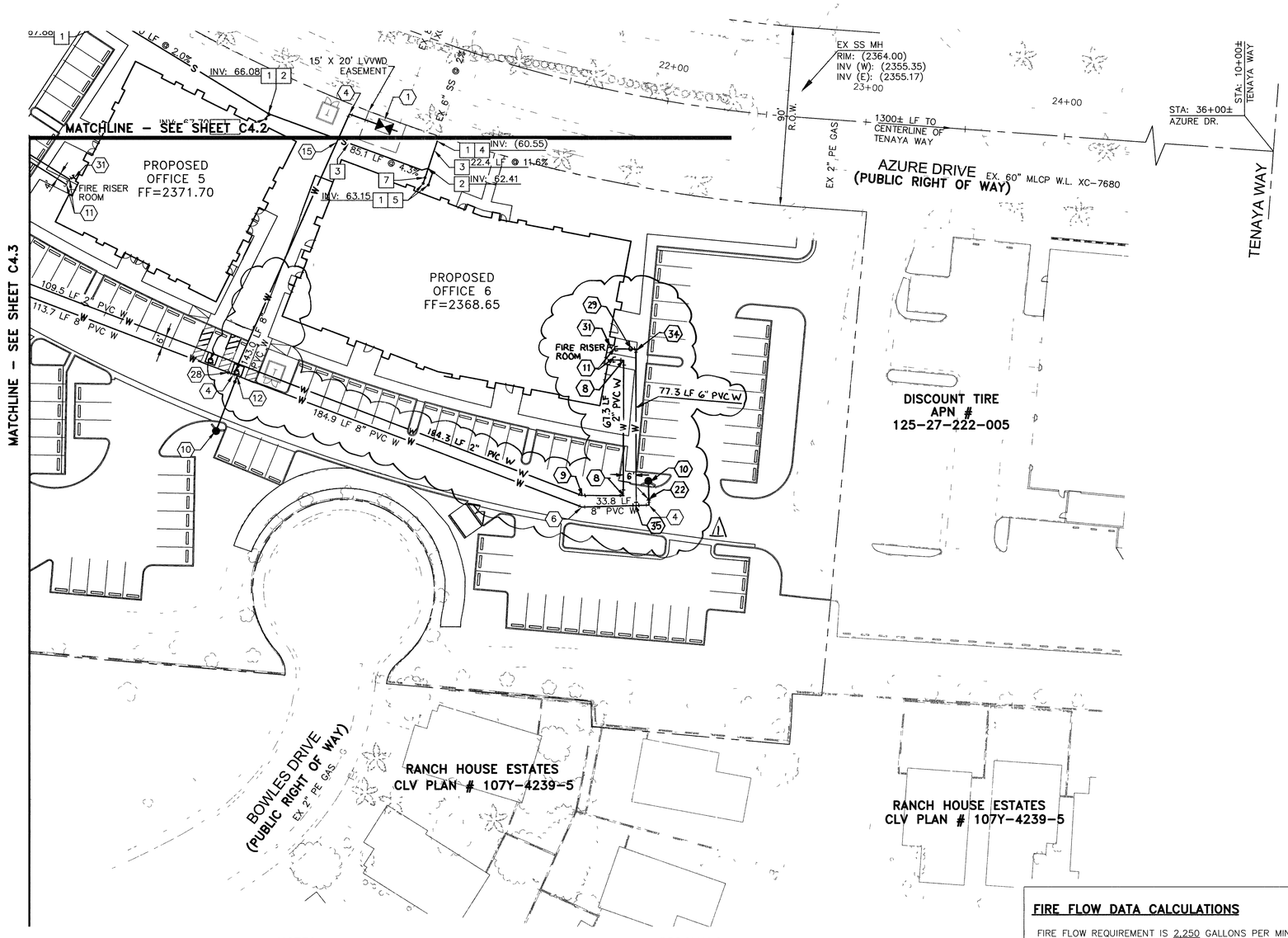

NOTE:
ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING REPRODUCTION PROCESSES

30 20 10 0 30
25 15 5 15

SCALE: 1" = 30'

BASIS OF BEARING

NORTH 00°51'59" EAST, BEING THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 27, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN FILE 103 OF SURVEYS AT PAGE 25, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT "6LV90 22S6", BEING A RIVET & PLATE IN CONCRETE PAD (MAILBOX) SE CORNER OF TENAYA AND ROME.

ELEVATION: 2354.91 (FEET)
717.7771 (METERS)
CITY OF LAS VEGAS VERTICAL CONTROL v.2002 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

WATER NOTES

ITEMS TO BE INSTALLED OR CONSTRUCTED

1. INSTALL 8" DCDA – FEBCO MODEL (876V) OR EQUAL PER UDACS PLATE NO. 11C.
2. INSTALL 2" WATER METER PER UDACS PLATE NO. 1D.
3. INSTALL 2" RPPA PER UDACS PLATE NO. 11A.
4. INSTALL 8" 90° ELBOW W/ THRUST BLOCKS PER UDACS PLATE NO. 5.
5. INSTALL 8" 45° ELBOW W/ THRUST BLOCKS PER UDACS PLATE NO. 5.
6. INSTALL 8" 22.5° ELBOW W/ THRUST BLOCKS PER UDACS PLATE NO. 5.
7. INSTALL 8" 11.25° ELBOW W/ THRUST BLOCKS PER UDACS PLATE NO. 5.
8. INSTALL 2" 90° ELBOW.
9. INSTALL 2" 45° ELBOW.
10. INSTALL FIRE HYDRANT PER UDACS PLATE NO. 7.
11. REFER TO PLUMBING PLANS FOR CONITNUATION.
12. INSTALL 8" X 6" TEE AND 6" GATE VALVE.
13. INSTALL 3" 90° ELBOW.
14. INSTALL 3" X 2" TEE.
15. REFER TO UDACS SECTION 2.19.03B REGARDING WATER LINE/SANITARY SEWER CROSSING.
16. REMOVE CAP AND BLOW OFF PER UDACS PLATE NO. 4A, NOTE NO. 1, AND CONNECT TO EXISTING MAIN.
17. NOT USED.
18. INSTALL 3" 45° ELBOW.
19. INSTALL 2" SERVICE SADDLE PER UDACS PLATE NO. 1D.
20. 6' X 6' LAS VEGAS VALLEY WATER DISTRICT EASEMENT.
21. INSTALL 8" X 8" TEE.
22. INSTALL 6" X 8" REDUCER.
23. INSTALL 2" X 3" REDUCER.
24. INSTALL 3" 45° ELBOW W/ THRUST BLOCKS PER UDACS PLATE NO. 5.
25. INSTALL 3" X 3" TEE.
26. INSTALL 3" 11.25° ELBOW W/ THRUST BLOCKS PER UDACS PLATE NO. 5.
27. INSTALL 3" 22.5° ELBOW W/ THRUST BLOCKS PER UDACS PLATE NO. 5.
28. INSTALL 8" GATE VALVE.
29. INSTALL 6" GATE VALVE.
30. REMOVE AND SALVAGE EXISTING FIRE HYDRANT AND 6" GATE VALVE.
31. FIRE DEPARTMENT CONNECTION.
32. PROVIDE VERTICAL SEPARATION OF NO LESS THAN SIX (6) INCHES IN ACCORDANCE WITH UDACS 2.20.01, 2.19.02.B1 AND 2.19.02.B2.
33. REMOVE EXISTING DCDA AND RETURN TO LVVWD.
34. INSTALL 6" 90° ELBOW. 35. INSTALL 8"x6" TEE.

SANITARY SEWER NOTES

ITEMS TO BE INSTALLED OR CONSTRUCTED

1. INSTALL 6" SANITARY SEWER CLEAN-OUT. (PRIVATE)
2. INSTALL 6" X 6" WYE. (PRIVATE)
3. INSTALL 6" PVC SANITARY SEWER LINE. (PRIVATE)
4. CONNECT TO EXISTING SANITARY SEWER STUB. (PRIVATE)
5. REFER TO PLUMBING PLANS FOR CONTINUATION.
6. INSTALL 6" SANITARY SEWER CLEAN-OUT PER DETAIL 1/C4.2 (PRIVATE)
7. INSTALL BACKWATER VALVE PER DCSWCS DWG. No. SD-29.

LEGEND

- PROJECT BOUNDARY
- RIGHT-OF-WAY LINE
- STA + CENTERLINE AND STATIONING
- EASEMENT LINE
- BACK OF CURB
- EXIST. EDGE OF PAVEMENT
- SCREENING WALL
- MANHOLE – S – END CAP SANITARY SEWER
- END CAP – W – MANHOLE WATER LINE
- MANHOLE – S – END CAP EXIST. SANITARY SEWER

04376 22 08078 22 89906

NOTES:

1. ALL EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
2. CONTRACTOR TO FIELD VERIFY EXISTING INVERT ELEVATION PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
3. THIS IS A RECORDED COMMERCIAL SUBDIVISION. ALL PROPERTY, THAT IS NOT DIRECTLY UNDER A BUILDING FOOTPRINT, IS A COMMON UTILITY EASEMENT, FOR SEWER, WATER, FIRE AND ELECTRICAL, REGARDLESS OF ANY, AND ALL, "PROPERTY LINES".
4. ON-SITE UTILITIES ARE TO BE INSTALLED PER THE CURRENTLY ADOPTED DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER AND POTABLE WATER SYSTEMS.

APPROVALS

Robert J. Morgan 3/17/06
LAS VEGAS VALLEY WATER DISTRICT PROJ. # H111635 DATE

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

FIRE FLOW DATA CALCULATIONS

FIRE FLOW REQUIREMENT IS 2,250 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE

BASED ON:

SQUARE FOOTAGE (TOTAL):	27,932	SQUARE FEET
LARGEST AREA BETWEEN 4 HR AREA SEPARATION WALLS:	27,932	SQUARE FEET
BUILDING HEIGHT:	33.33'	FEET
NUMBER OF STORIES:	2	FLOORS
TYPE OF CONSTRUCTION:	VB	
OCCUPANCY:	B	
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	☒ YES	☐ NO

REVIEWED BY: LAS VEGAS FIRE DEPT DATE: 10/19/05

SAFETY ALERT
Call Before You Overhead
1-702-227-2929

Avoid cutting underground utility lines It's costly
Call before you Dig
1-800-227-2600

REV	DATE	BY	REVISION
2	2/16/06	JDH	RELOCATE WATER LINES
1	1.31.06		

SHEA COMMERCIAL
14287 N. 87TH STREET SUITE 220
SCOTTSDALE, AZ 85260
(480) 451-9077

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants
1050 East Flamingo Road
Suite S-210
Las Vegas, Nevada 89119
(702) 733-7866
Fax No. (702) 735-4948

DRAWN BY: AJO 10/05/05
DESIGNED BY: JDH 10/05/05
CHECKED BY: JRW 10/05/05
PROJECT NO: 092508003
SCALE: 1"=30'

RICHARD A. MOLES Exp. 12/31/07 CIVIL No. 10381 STATE OF NEVADA PROFESSIONAL ENGINEER 5/15/06

RICHARD A. MOLES Exp. 12/31/05 CIVIL No. 10381 STATE OF NEVADA PROFESSIONAL ENGINEER 10/1/05

UTILITY PLAN 4

SHEA COMMERCIAL
TENAYA VILLAGE

SHEET C4.4
16 OF 17 SHEETS

CLV No. 107Y-4239-5-SUE

Date: October 19, 2005 – 9:11am / User: jim.Hadrot
Path: K:\Civil\092508 Shea Commercial\D03\CADD\508003UT.dwg / Xref: x508003VF;508003TB;x508003BM;x508003BM-rev
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