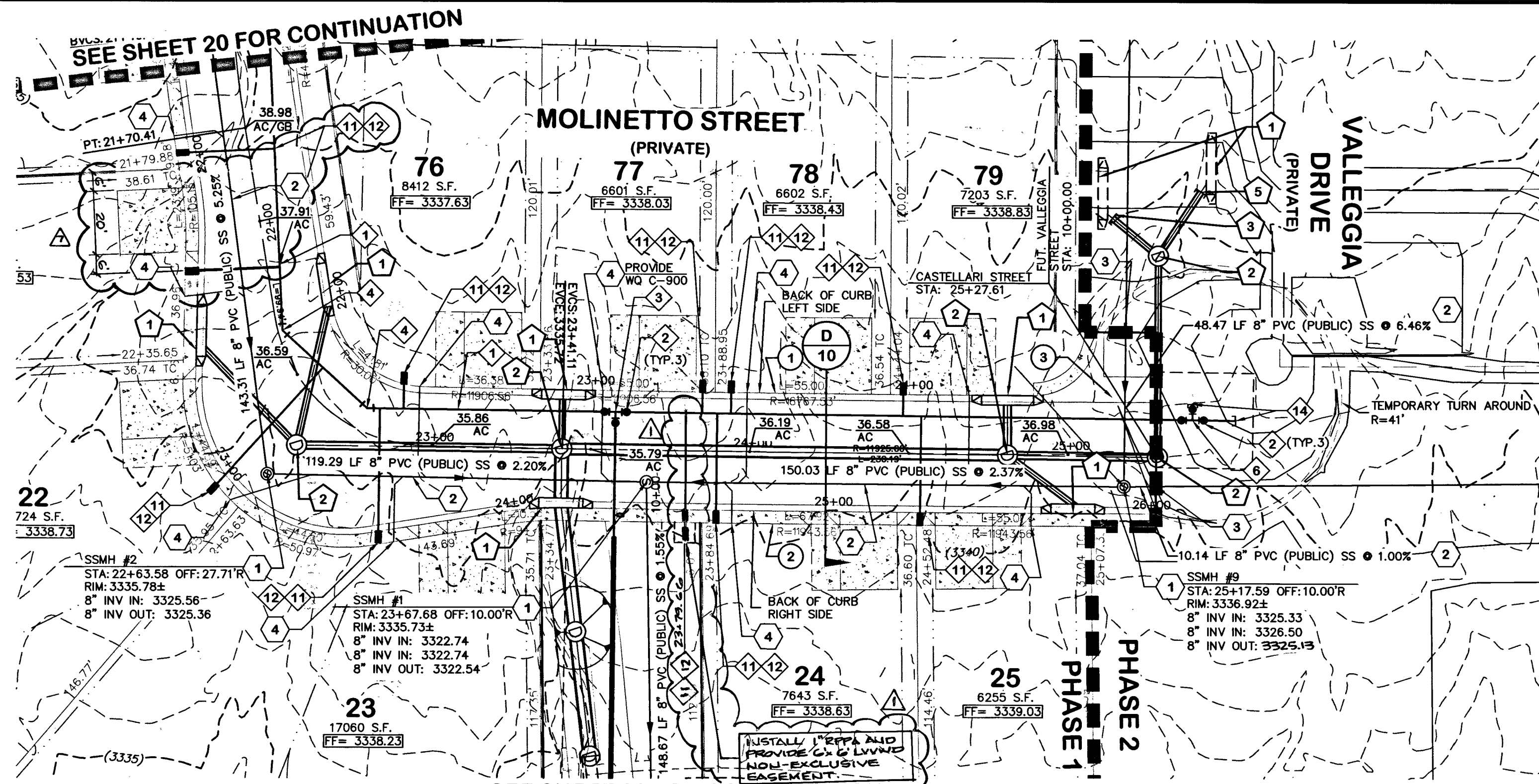
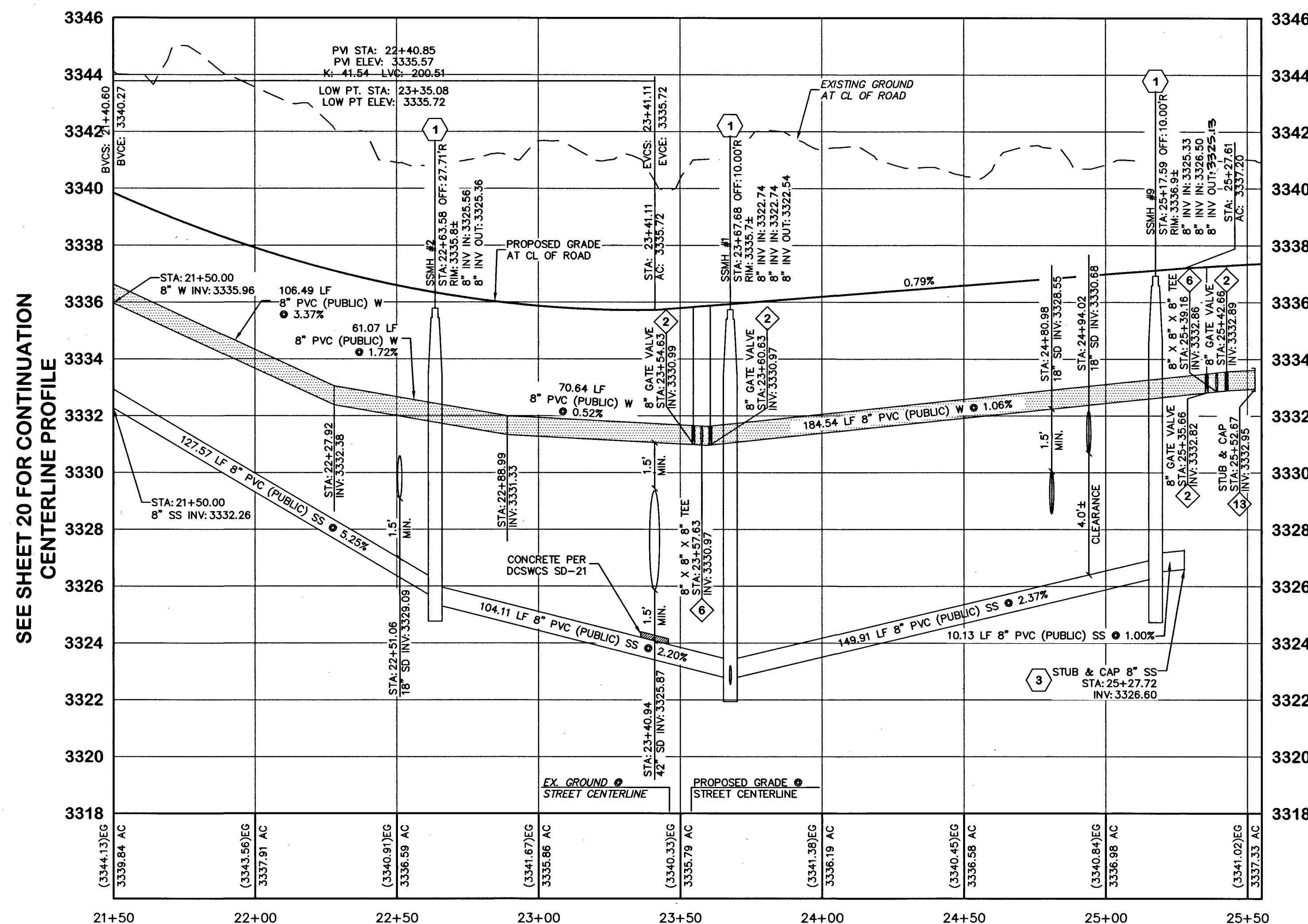




SEE SHEET 22 FOR CONTINUATION  
MOLINETTO ST (STA. 21+50 TO 25+50) - PLAN VIEW

SCALE: 1"=30'



MOLINETTO ST (STA. 21+50 TO 25+50) - PROFILE VIEW  
CENTERLINE OF ROAD

SCALE: HORIZ. 1"=30'  
VERT. 1"=3'

#### BASIS OF BEARINGS

NORTH 15°02'07" EAST, BEING THE BEARING OF THE CENTERLINE OF DESERT FOOTHILLS DRIVE AS SHOWN ON THE PLAT OF SUMMERLIN VILLAGE 23B UNIT NO. 2, ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE AS BOOK 145, PAGE 83 OF PLATS.

#### BENCHMARK

CITY OF LAS VEGAS BENCHMARK 7LV09 27SE6  
A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF MOUNTAIN SHADOW ROAD AND DESERT FOOTHILLS.  
ELEVATION = 1013.556 METERS (3325.31 FEET) NAVD 1988.

#### LEGAL DESCRIPTION

PARCEL CC AS SHOWN ON THE FINAL MAP OF SUMMERLIN VILLAGE 23B UNIT NO. 2, A COMMON INTEREST COMMUNITY, ON FILE IN BOOK 145 OF PLATS, PAGE 83 LYING WITHIN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

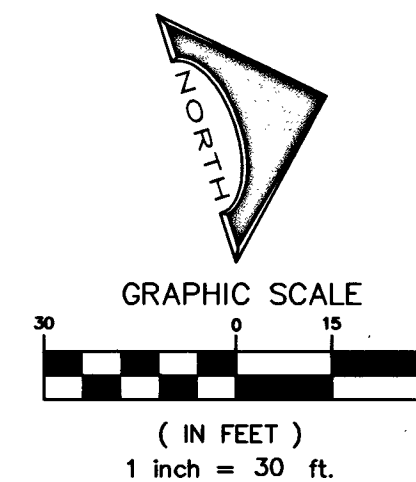
#### WATER MAIN JOINT DEFLECTION (PVC, 4" - 24")

PVC PIPE SHALL BE DEFLECTIVE 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 2.07.01 AND 2.07.02.

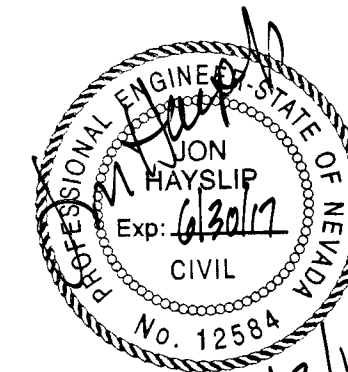
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

#### FEMA FLOOD PLAIN INFORMATION

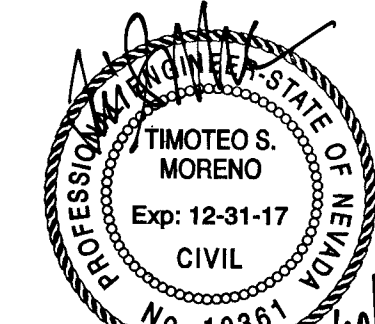
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY-PANEL NUMBER 32003C 2150E, EFFECTIVE DATE SEPTEMBER 27, 2002, THE SITE IS LOCATED WITHIN A ZONE 'X' AND SHADDED ZONE 'X'. A ZONE 'X' IS DESCRIBED BY FEMA AS AN AREA OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN. A SHADDED ZONE 'X' IS DESCRIBED BY FEMA AS AN AREA WITHIN THE 0.2% CHANCE FLOOD PLAIN. THERE ARE NO ADDITIONAL LETTERS OF MAP REVISION (LOWR) ISSUED FOR THIS FEMA FIRM PANEL.



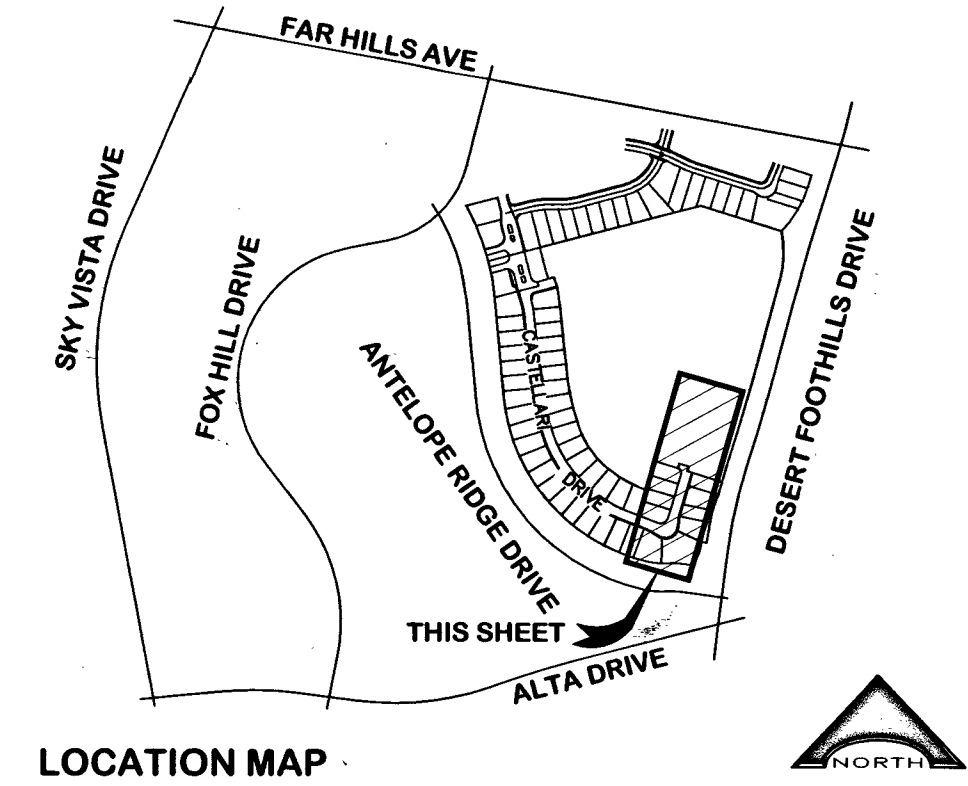
\* SEE SHEET 12 FOR STORM DRAIN INSTALLATION AND UTILITY CROSSINGS \*



REVISION



ONLY  
A.K. CLV 8/21/16



#### LOCATION MAP

#### CONSTRUCTION NOTES

1. CONSTRUCT "L" TYPE CURB & GUTTER (UDSCA #216)
2. CONSTRUCT 4' CONCRETE SIDEWALK (UDSCA #234)
3. CONSTRUCT 8" CROSS GUTTER (UDSCA #228)
4. INSTALL WROUGHT IRON FENCE (UDSCA #421B)

#### STORM DRAIN CONSTRUCTION NOTES

1. CONSTRUCT TYPE CM DROP INLET (UDSCA #422) WITH CONCRETE STAMP (UDSCA #421) (SEE SHEET 12 FOR STORM DRAIN PLAN & PROFILES)
2. CONSTRUCT TYPE I MANHOLE (UDSCA #403) (SEE SHEET 12 FOR SIZES)
3. STUB & CAP 18" CLASS III RCP PIPE
4. FUTURE TYPE CM DROP INLET (SEE PHASE 2 PLANS FOR INSTALLATION)
5. STUB & CAP 18" WQ C900 PVC PIPE

#### SANITARY SEWER CONSTRUCTION NOTES

1. CONSTRUCT 48" MANHOLE (STD. DWG. SD-1A AND SD-1B)
2. INSTALL 8" SDR-35 PVC (PUBLIC) SANITARY SEWER PIPE
3. CAP & PLUG 8" SANITARY SEWER PIPE
4. INSTALL 4" PVC SANITARY SEWER LATERAL W/18" MIN. CLEARANCE FROM BOTTOM OF WATER TO TOP OF SEWER (STD. DWG. SD-22, SD-23 & SD-25)
5. CONNECT TO EXISTING SANITARY SEWER PIPE

#### WATER CONSTRUCTION NOTES

1. INSTALL 8" C-900 PVC (PUBLIC) PIPE
2. INSTALL 8" GATE VALVE (UDACS PLATE NO. 30 & 39)
3. INSTALL 8" - 11.5" BEND (UDACS PLATE NO. 31)
4. INSTALL 8" - 45" BEND (UDACS PLATE NO. 31)
5. INSTALL 8" - 90" BEND (UDACS PLATE NO. 31)
6. INSTALL 8" X 8" X 8" TEE (UDACS PLATE NO. 31)
7. INSTALL 8" X 8" X 6" TEE (UDACS PLATE NO. 31)
8. INSTALL 6" GATE VALVE (UDACS PLATE NO. 30 & 39)
9. INSTALL FIRE HYDRANT ASSEMBLY (UDACS PLATE NO. 40)
10. INSTALL BLUE REFLECTOR MARKER (UDACS PLATE NO. 40)
11. INSTALL 1" TYPE K COPPER WATER LATERAL (DOMESTIC) AND 3/4" WATER METER (UDACS PLATE NO. 4)
12. INSTALL 8" X 1" SERVICE SADDLE (UDACS PLATE NO. 2)
13. INSTALL 1" HORIZONTAL DEFLECTION (MAX.)
14. STUB & CAP 8" PIPE WITH 2" BLOW OFF (UDACS PLATE NO. 36)
15. INSTALL CASING PER EASEMENT/COMMON ELEMENT DETAIL, SHEET 16
16. REMOVE CAP AND BLOW OFF AND CONNECT TO EXISTING WATER
17. INSTALL 8" X 8" TAPPING SLEEVE (UDACS PLATE NO. 31 & 34) WITH 8" TAP GATE VALVE (UDACS SECT. 2.24.01A)
18. INSTALL 8" - 22.5" BEND (UDACS PLATE NO. 31)

#### NOTE

MINIMUM 24" COVER PER UDACS SEC. 2.08.04 GRADING MUST BE COMPLETED PRIOR TO WATERLINE INSTALLATION.

#### APPROVED FOR CONSTRUCTION

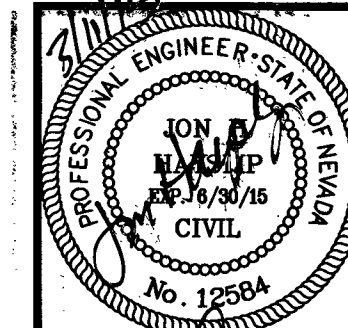
*Jon Hayslip*  
DATE: 8/16/15 PROJECT NO. 123250  
LVWMD APPROVED FIRE FLOW 1,750 GPM AT 20 P.S.I. RESIDUAL

#### DRAINAGE STUDY

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT. DS4683.

*Jon Hayslip*  
DATE: 8/16/15  
DISCLAIMER NOTE

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 AND OVERHEAD 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.



|              |         |           |         |           |         |
|--------------|---------|-----------|---------|-----------|---------|
| DESIGNED BY: | MB      | DRAWN BY: | MB      | CHECK BY: | VRH     |
| DATE:        | 8/16/15 | DATE:     | 8/16/15 | DATE:     | 8/16/15 |
| REVISION:    |         | REVISION: |         | REVISION: |         |
| NO.          |         | NO.       |         | NO.       |         |
| DATE         | 8/16/15 | DATE      | 8/16/15 | DATE      | 8/16/15 |
| BY           | MB      | BY        | MB      | BY        | VRH     |

**L. R. NELSON CONSULTING ENGINEERS, INC.**  
6765 West Russell Road, Suite 200  
Las Vegas, Nevada 89116  
(702) 798-7978  
(702) 451-2286 FAX

STRUCTURAL  
CIVIL  
PLANNING  
SURVEY

**Woodside Homes**  
BETTER BY DESIGN

PLAN & PROFILE SHEET 5  
MOLINETTO ST (STA. 21+50 TO 25+50)  
PHASE 1 - SAVONA AT SUMMERLIN  
IMPROVEMENT PLANS  
NEVADA  
CITY OF LAS VEGAS  
AG# 115344 DS19/27SE XC 1089

SHEET NUMBER  
**21**  
OF 30 SHEETS  
CLV# 107/25023-1

H# 56545