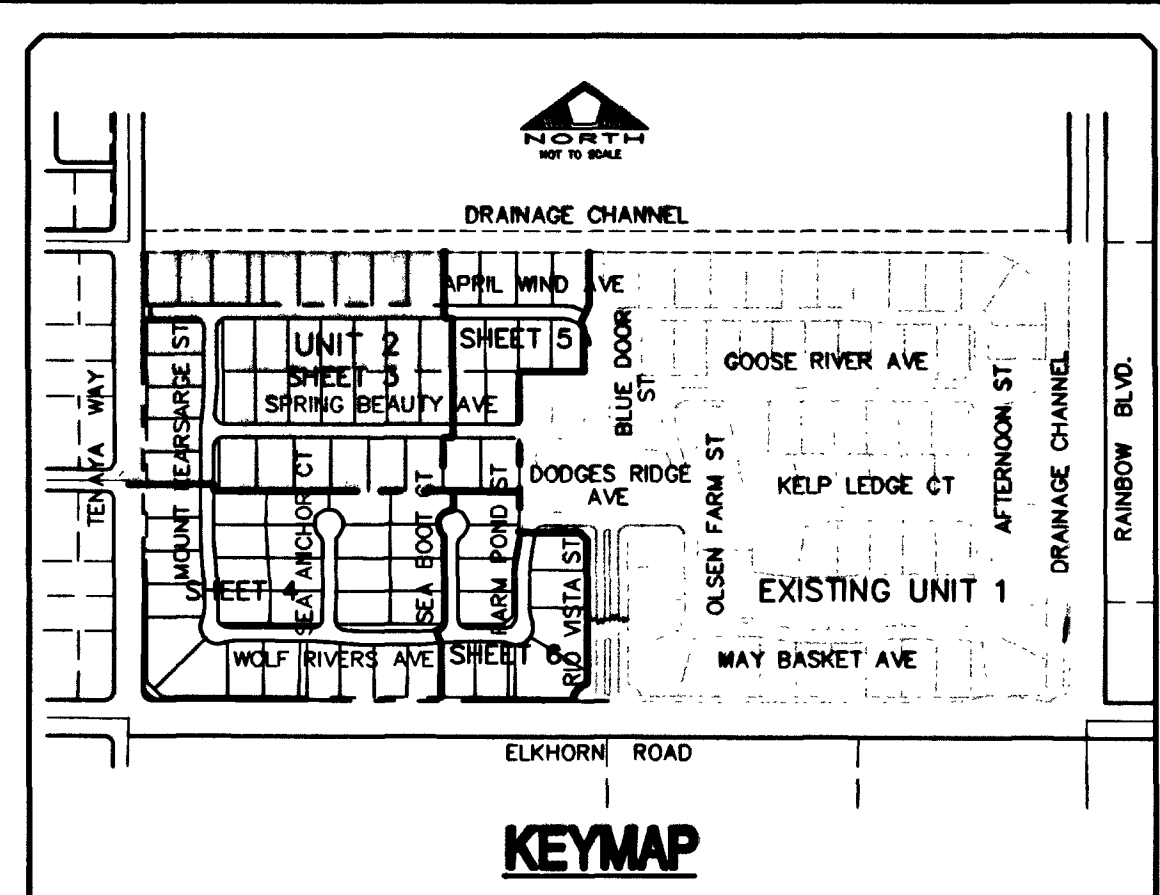
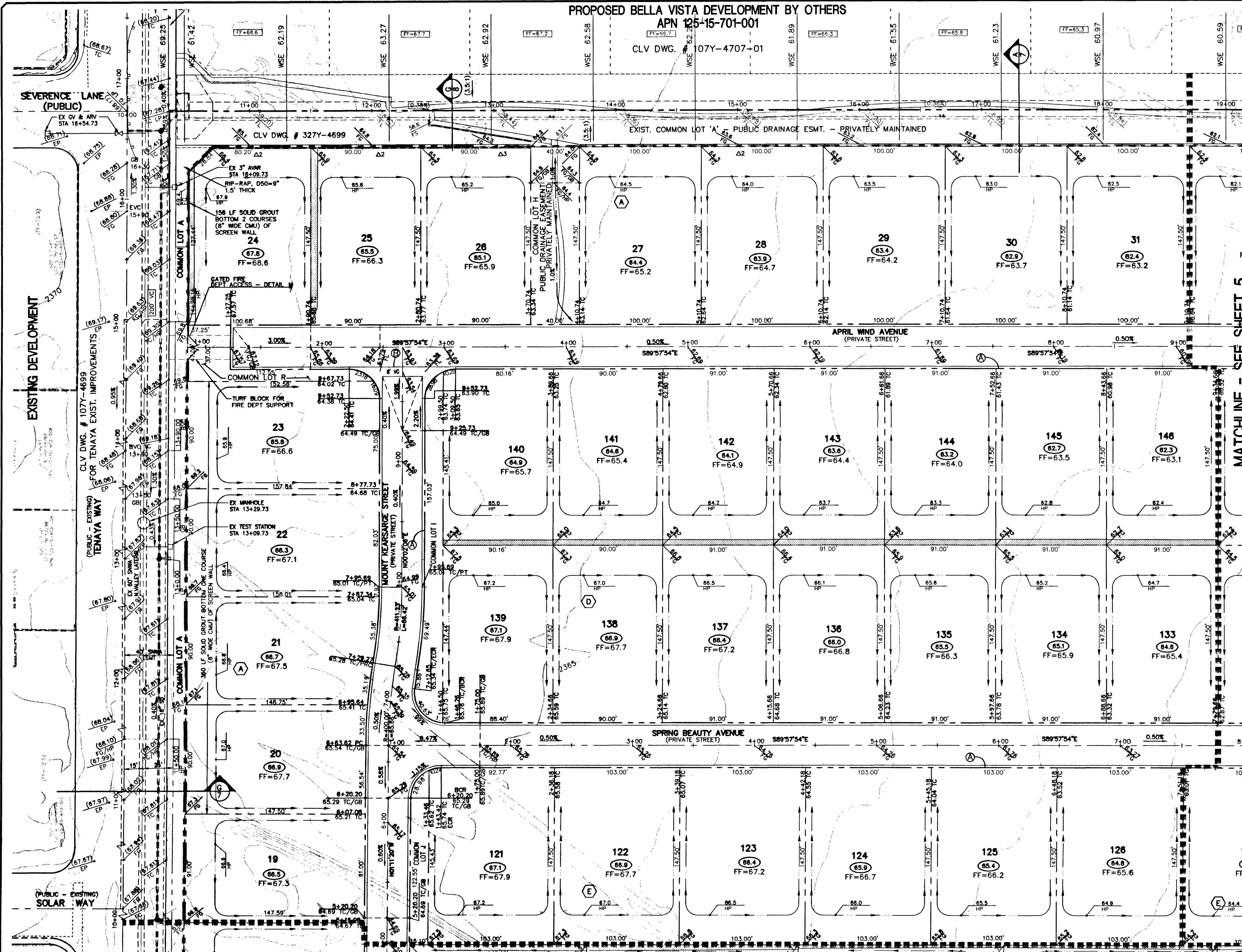
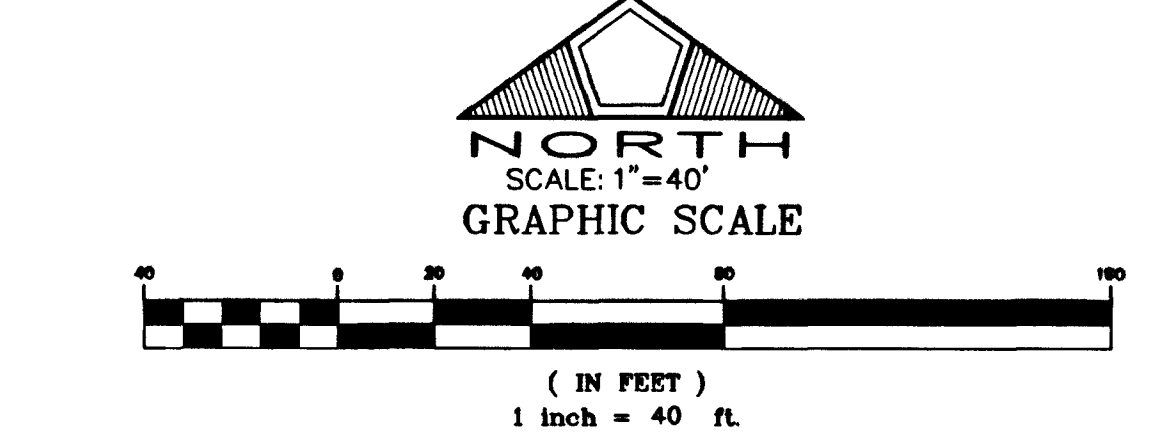


PROPOSED BELLA VISTA DEVELOPMENT BY OTHERS
APN 125-15-701-001
CLV DWG. # 107Y-4707+01



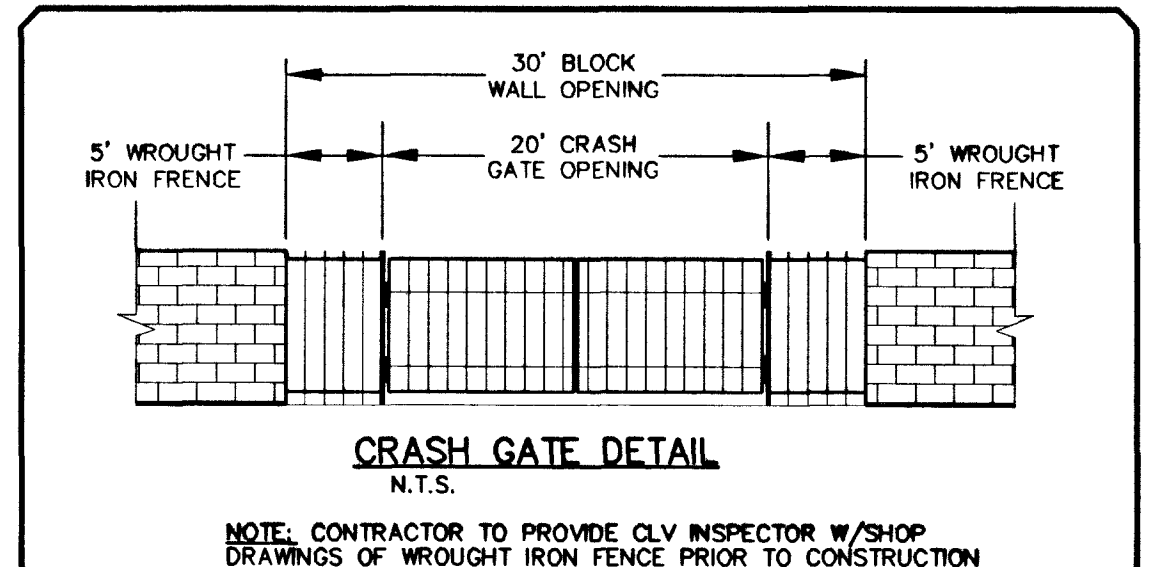
LEGEND

PROPERTY LINE / RIGHT OF WAY	SIGHT VISIBILITY ZONE
STREET CENTERLINE	SWALE
LOT NUMBER	GRADE BREAK OR TRANSITION
PROPOSED FINISH FLOOR	UNIT BOUNDARY
PROPOSED PAD ELEVATION	TOP OF SLOPE, FRONT AND SIDEYARD
EXISTING ELEVATION	EXISTING IMPROVEMENTS
PROPOSED ELEVATION	COURSES OF RETAINING WALL
FINISH GRADE	RETAINING WALL
TOP OF CURB	GARDEN WALL
FLOW LINE	WROUGHT IRON FENCE
EXISTING CONTOUR	2:1 SCARP
PROPOSED CONTOUR	MATCHLINE
PAD HIGH POINT	



EARTHWORK QUANTITIES - UNIT 2

CUT:	46,413 CY
FILL (ADJ.):	80,152 CY
NET DIFF:	33,739 CY (IMPORT)



- ENGINEER'S NOTES**
- 1) CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
 - 2) SEE LANDSCAPE PLANS FOR LANDSCAPING AND ON-SITE IRRIGATION.
 - 3) SEE DETAIL SHEET FOR ON-SITE PAVEMENT SECTIONS. CONTRACTOR TO VERIFY WITH SOILS REPORT.
 - 4) ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
 - 5) THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES.
 - 6) CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE AWAY FROM PROPOSED BUILDINGS.

BENCHMARK
CITY OF LAS VEGAS BENCHMARK NO. 11LVS0 11WS.
RIVET AND PLATE IN TOP OF CURB, SOUTHEAST CORNER OF RAINBOW BLVD AND FLANAGAN DRIVE.
ELEVATION = 724.3103 METERS
(NAVD '88 PUBLISHED)
ELEVATION = 2376.34 U.S. SURVEY FEET
(NAVD '88 CALCULATED)
PROJECT ELEVATION = 2376.52 U.S. SURVEY FEET

DISCLAIMER NOTE
EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL 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.
54886
CALL BEFORE YOU DIG: 1-800-227-2600.

RETAINING WALL CONVERSION TABLE

NO. COURSES	HEIGHT	STD. RETAINER	RET. ADJACENT TO SW
Δ 2	1.33'	0.70' - 0.80'	N/A
Δ 3	2.00'	0.84' - 1.50'	0.50' - 1.17'
Δ 4	2.67'	1.51' - 2.17'	1.18' - 1.83'
Δ 5	3.33'	2.18' - 2.83'	1.84' - 2.50'
Δ 6	4.00'	2.84' - 3.50'	2.51' - 3.17'
Δ 7	4.67'	3.51' - 4.17'	3.18' - 3.83'
Δ 8	5.33'	4.18' - 4.83'	3.84' - 4.50'
Δ 9	6.00'	4.84' - 5.50'	4.51' - 5.17'
Δ 10	6.67'	5.51' - 6.17'	5.18' - 5.83'
Δ 11	7.33'	6.18' - 6.83'	5.84' - 6.50'
Δ 12	8.00'	6.84' - 7.50'	6.51' - 7.17'

CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL SNWA/SNWS APPURTENANCES INCLUDING, BUT NOT LIMITED TO, AV/AR, ACCESS MANWAYS AND CATHODIC PROTECTION SYSTEMS. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTOR'S EXPENSE. CATHODIC PROTECTION TEST STATIONS, RECTIFIERS, AND AV/AR'S MUST BE RELOCATED TO SIDEWALK PER SNWA STANDARDS AND AT CONTRACTOR'S EXPENSE. CONTRACTOR TO NOTIFY SOUTHERN NEVADA WATER AUTHORITY DEVELOPMENT PLAN REVIEW AT (702) 832-3444 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

SOUTHERN NEVADA WATER AUTHORITY
SNWA APPROVAL IS VALID FOR ONE (1) YEAR FROM SIGNATURE DATE. IF CONSTRUCTION WITHIN THE EASEMENT OR RESTRICTED PIPE SAFETY ZONE IS NOT COMPLETE, PLANS MUST BE RESUBMITTED TO SNWA FOR APPROVAL.

DATE

- CONSTRUCTION NOTES**
- Ⓐ CONSTRUCT "L" TYPE CURB PER STD. DWG. 216
 - Ⓑ CONSTRUCT CROSS GUTTER PER STD. DWG. 228

HDPE PIPE CONSTRUCTION NOTE:
CONTRACTOR SHALL PROVIDE 30" MINIMUM COVER OVER HDPE PIPE PRIOR TO VEHICLE LOADING DURING CONSTRUCTION. TRENCH WIDTH MUST BE WIDE ENOUGH TO ACCOMMODATE COMPACTION EQUIPMENT. SEE MANUFACTURER'S GUIDELINES (PRODUCT NOTE 3.115) AND ASTM D2321. CONTRACTOR SHALL NOT USE HYDRO-HAMMER TYPE COMPACTORS OVER PIPE TRENCH AREA.

PRIVATE STREET NOTE
NOTE: ALL PRIVATE STREETS ARE PUBLIC DRAINAGE EASEMENTS, CLV SEWER AND PUE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOME OWNERS ASSOCIATION.

ENGINEER'S CERTIFICATE
I CERTIFY THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS PROJECT ON FILE AT THE CITY OF LAS VEGAS.
Richard W. Cummock 7.2.03
RICHARD W. CUMMOCK, PE NO. 5447

BASIS OF BEARING
THE BASIS OF BEARING FOR THIS SURVEY IS THE WEST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN IN FILE 115, PAGE 13 OF OFFICIAL RECORDS, CLARK COUNTY, NEVADA. I.E. NORTH 00°15'55" EAST

Call before you do Overhead
1-702-593-6111

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

DATE: 7/2/2003
SHEET: 3
PULTE HOMES
WYETH RANCH UNIT 2
GRADING PLAN 1

Stantec Consulting Inc.
7251 West Charleston Blvd.
Las Vegas NV U.S.A.
89117
Tel: 702.258.0115
Fax: 702.258.4956
www.stantec.com

Pulte
1635 VILLAGE CENTER CIRCLE, SUITE 250
LAS VEGAS, NEVADA 89134
(702) 258-7900

APPROVED
RICHARD W. CUMMOCK
PE NO. 5447
7.2.03

1674 OF 99-7