DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND OR 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. CONTRACTOR TO NOTIFY ENGINEER OF ANY CHANGES OR DISCREPANCIES.

Avoid overhead power line contact. It's costly.
Call before you Overhead
1-702-227-2929
Nevada Power Environment and Safety Services Department

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-6000

LEGAL DESCRIPTION

ALL OF PARCEL Q AS SHOWN ON THE FINAL MAP OF SUMMERLIN VILLAGE 23B, UNIT No. 2 ON FILE IN THE OFFICE OF THE COUNTY RECORDER OF CLARK COUNTY NEVADA IN BOOK 145 OF PLATS AT PAGE 83, SITUATE IN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY NEVADA.

BENCHMARK

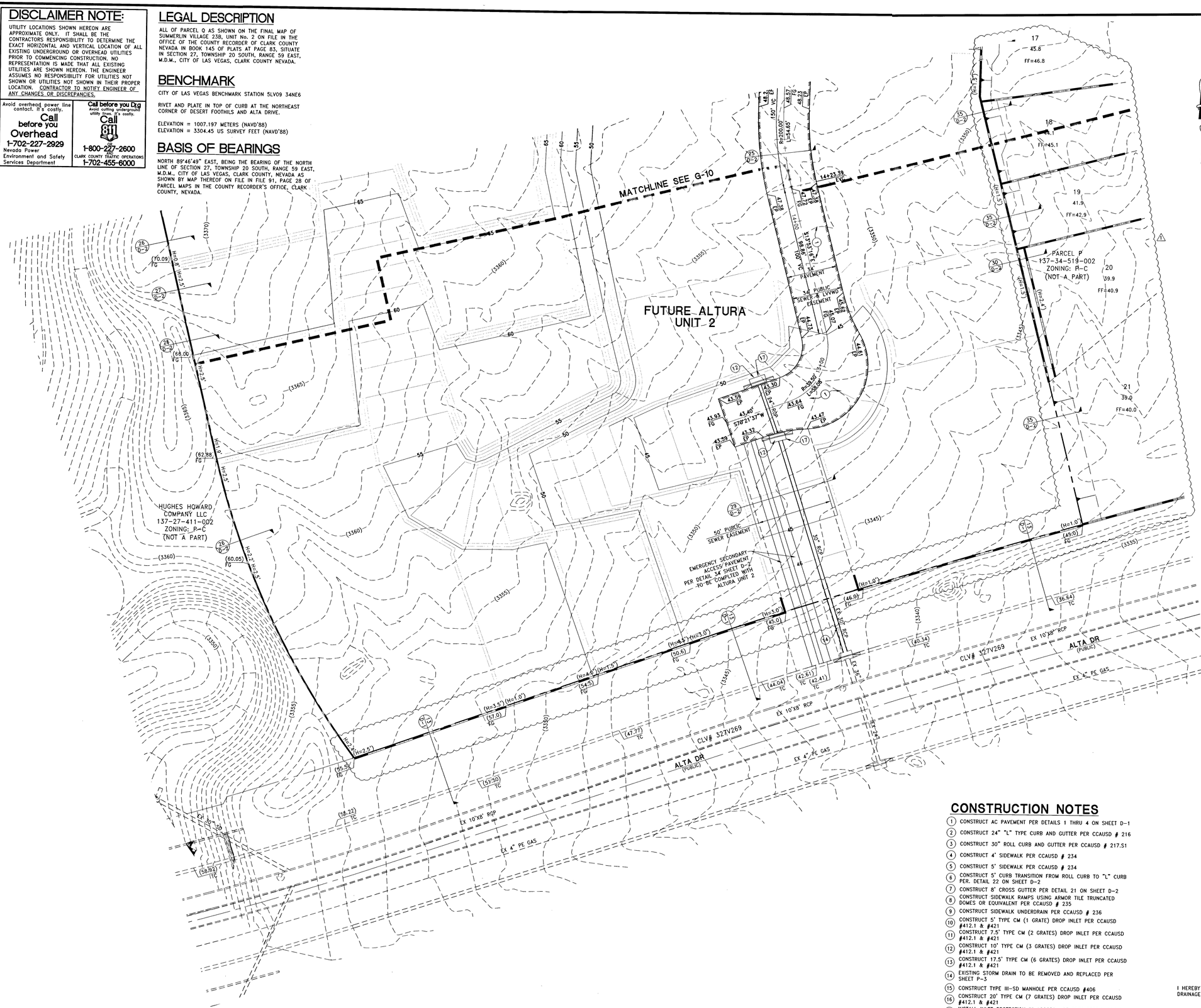
CITY OF LAS VEGAS BENCHMARK STATION 5LV09 34NE6

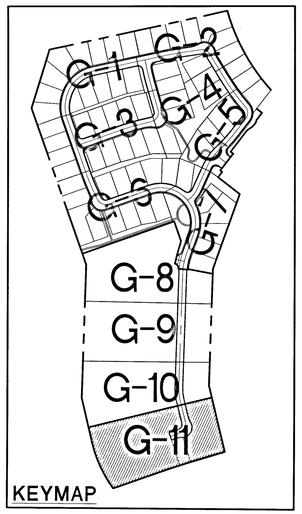
RIVET AND PLATE IN TOP OF CURB AT THE NORTHEAST CORNER OF DESERT FOOTHILS AND ALTA DRIVE.

ELEVATION = 1007.197 METERS (NAVD'88)
ELEVATION = 3304.45 US SURVEY FEET (NAVD'88)

BASIS OF BEARINGS

NORTH 89°46'49" EAST, BEING THE BEARING OF THE NORTH LINE OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.





30' 15' 0' 30' 60'
SCALE: 1" = 30'

SURVEY MONUMENT NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS REQUIRED BY CLARK COUNTY PUBLIC WORKS AND CLARK COUNTY UNIFORM STANDARD DRAWING NUMBER 243. OWNER IS ALSO RESPONSIBLE TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

BUILDING PERMIT NOTE

ALL STRUCTURES SHOWN OR INDICATED ON THIS SUBMITTAL WITHIN THE PROPERTY REQUIRE A BUILDING PERMIT APPLICATION AND SUBMITTAL. THIS INCLUDES BUILDINGS, ABOVE GROUND TANKS, SIGNS, RETAINING WALLS, FENCES, TRASH ENCLOSURES, SHADE STRUCTURES, STAIRWAYS, RAMPS, LIGHT POLES, LIGHT BOLLARDS, ETC. THIS DOES NOT INCLUDE ANY FLOOD CONTROL STRUCTURE SUCH AS PIPES, CULVERTS, ARCH CULVERTS, HEADWALLS, ETC. THIS DOES NOT INCLUDE ANY WORK WITHIN A PUBLIC STREET RIGHT-OF-WAY. THIS DOES NOT INCLUDE PRIVATE STREETS. THE REVIEW OF CIVIL IMPROVEMENT AND/OR GRADING PLANS DOES NOT INCLUDE ANY REVIEW OF ANY STRUCTURE THAT REQUIRES A BUILDING PERMIT APPLICATION."

SIGHT VISIBILITY ZONE

NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG THE SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.

FLOOD ZONE NOTE

ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 32003C2150E DATED SEPTEMBER 27, 2002, THE SITE IS LOCATED IN A ZONE "X".

NOTE

1. ALL ONSITE STORM DRAINS AND THE ASSOCIATED STORM FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE HOA.
2. ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOA.

ENGINEERS NOTES

1. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
2. SEE DETAIL SHEET FOR ON-SITE PAVEMENT SECTIONS. CONTRACTOR TO VERIFY WITH SOILS REPORT.
3. SEE FINAL MAP FOR EXACT PROPERTY LINE DIMENSIONS.
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. ALL GRADING SHALL CONFORM TO SOILS REPORT RECOMMENDATIONS.
7. DURING CONSTRUCTION, SURVEYORS AND CONTRACTORS MUST VERIFY THAT ALL STREETS AND LOTS HAVE POSITIVE DRAINAGE. SAME MUST UTILIZE AT LEAST THREE GRADES ON VERTICAL TANGENTS TO VERIFY SLOPES.
8. SOIL REPORT NOTE:
   GRADING SHALL BE IN ACCORDANCE WITH SOILS REPORT PREPARED BY:
   ENGINEER: NOVA GEOTECHNICAL
   PROJECT: NO. E-06-107
   DATED: AUGUST 9,2006
   UPDATED: FEBRUARY 19, 20.14
9. CUT/FILL ESTIMATES
   EXISTING TO FINISH GRADE ELEVATIONS
   NET CUT: 100,300 CY
   NET FILL: 90,621 CY
10. SEE DETAIL 3B SHEET D-2 FOR TYPICAL LOT DRAINAGE
11. FOR STORMWATER RUNOFF MANAGEMENT NOTES REFER TO SHEET N-1

CONSTRUCTION NOTES

1. CONSTRUCT AC PAVEMENT PER DETAILS 1 THRU 4 ON SHEET D-1
2. CONSTRUCT 24" "L" TYPE CURB AND GUTTER PER CCAUSD # 216
3. CONSTRUCT 30" ROLL CURB AND GUTTER PER CCAUSD # 217.S1
4. CONSTRUCT 4' SIDEWALK PER CCAUSD # 234
5. CONSTRUCT 5' SIDEWALK PER CCAUSD # 234
6. CONSTRUCT 5' CURB TRANSITION FROM ROLL CURB TO "L" CURB PER. DETAIL 22 ON SHEET D-2
7. CONSTRUCT 8' CROSS GUTTER PER DETAIL 21 ON SHEET D-2
8. CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD # 235
9. CONSTRUCT SIDEWALK UNDERDRAIN PER CCAUSD # 236
10. CONSTRUCT 5' TYPE CM (1 GRATE) DROP INLET PER CCAUSD #412.1 & #421
11. CONSTRUCT 7.5' TYPE CM (2 GRATES) DROP INLET PER CCAUSD #412.1 & #421
12. CONSTRUCT 10' TYPE CM (3 GRATES) DROP INLET PER CCAUSD #412.1 & #421
13. CONSTRUCT 17.5' TYPE CM (6 GRATES) DROP INLET PER CCAUSD #412.1 & #421
14. EXISTING STORM DRAIN TO BE REMOVED AND REPLACED PER SHEET P-3
15. CONSTRUCT TYPE III-SD MANHOLE PER CCAUSD #406
16. CONSTRUCT 20' TYPE CM (7 GRATES) DROP INLET PER CCAUSD #412.1 & #421
17. INSTALL INLET PROTECTION IN ACCORDANCE WITH STORM WATER PREVENTION PLAN

I HEREBY CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY DS-4713B ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

CHRISTOPHER L. THOMPSON, PE NO. 14134 — DATE 6/29/15

REV	DESCRIPTION	BY	APPD	DATE
1	ADD GRADING/WALL FOR ADJACENT PARCEL P	CLT	CS	7/14/15

DATE: June 29, 2015
HORIZ. SCALE: 1"=30'
VERT. SCALE: N/A
DRAWN BY: CS
DESIGNED BY: DP
CHECKED BY: AW
APPROVED BY: CLT
PROJECT #: 3110.0018

TOLL SOUTH LV, LLC
1140 TOWN CENTER DRIVE SUITE 250
LAS VEGAS, NV 89144
PHONE: 702-243-3800 FAX: 702-243-4610

RCI Engineering
4325 Deen Martin Drive Suite 300, Las Vegas, NV 89103
PH#702.453.0800 FAX#702.453.0801

ALTURA UNIT 1
A SINGLE FAMILY RESIDENTIAL SUBDIVISION
GRADING PLAN
(SHEET 11 OF 11)

CITY OF LAS VEGAS — NEVADA

PROFESSIONAL ENGINEER — CHRISTOPHER L. THOMPSON — Exp. 6/30/2016 — CIVIL — No. 14134 — STATE OF NEVADA
6/29/15

DRAWING
G-11
SHT 13 OF 47

CLV DRAWING NUMBER
10785024
H# 57695

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