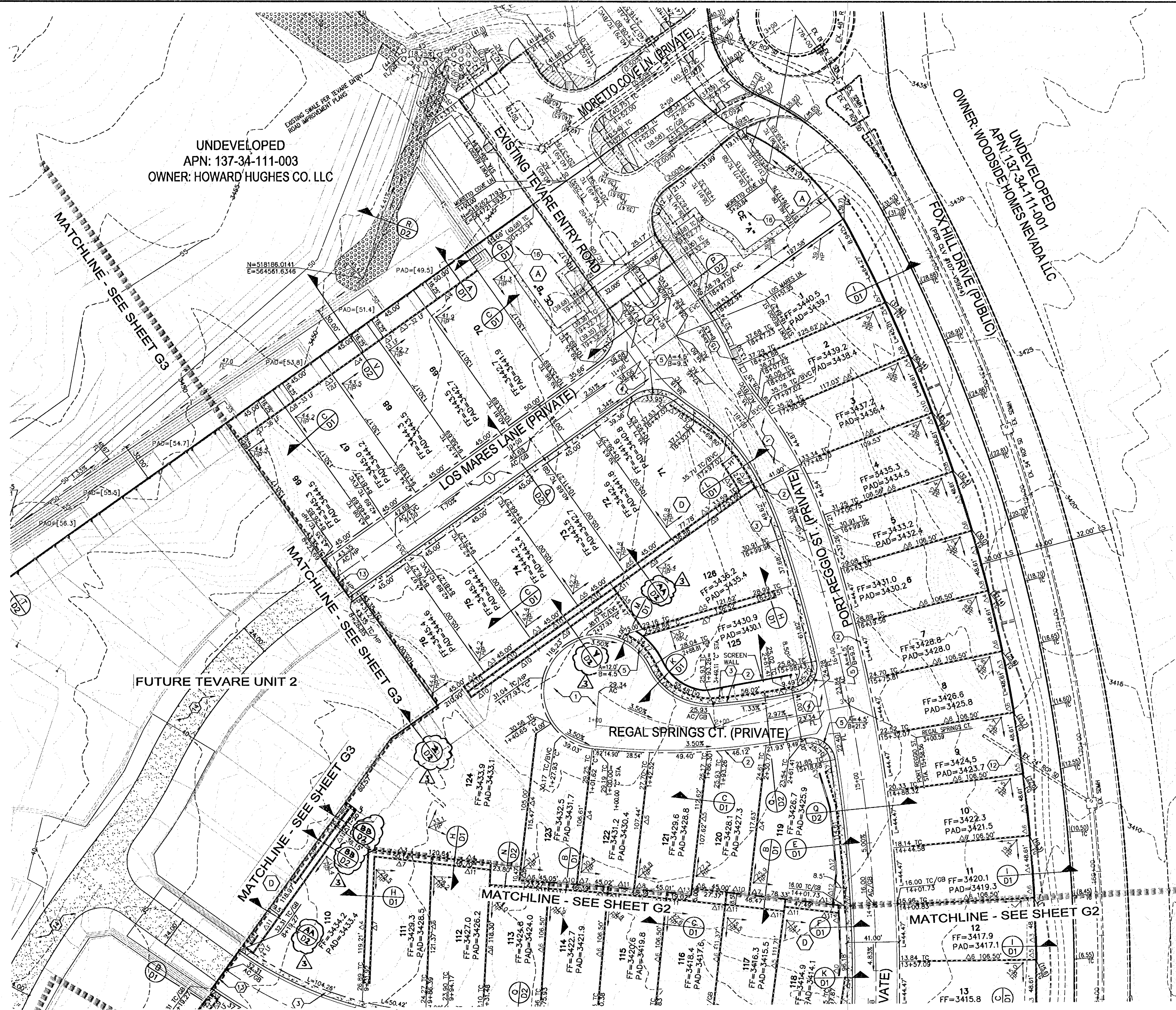
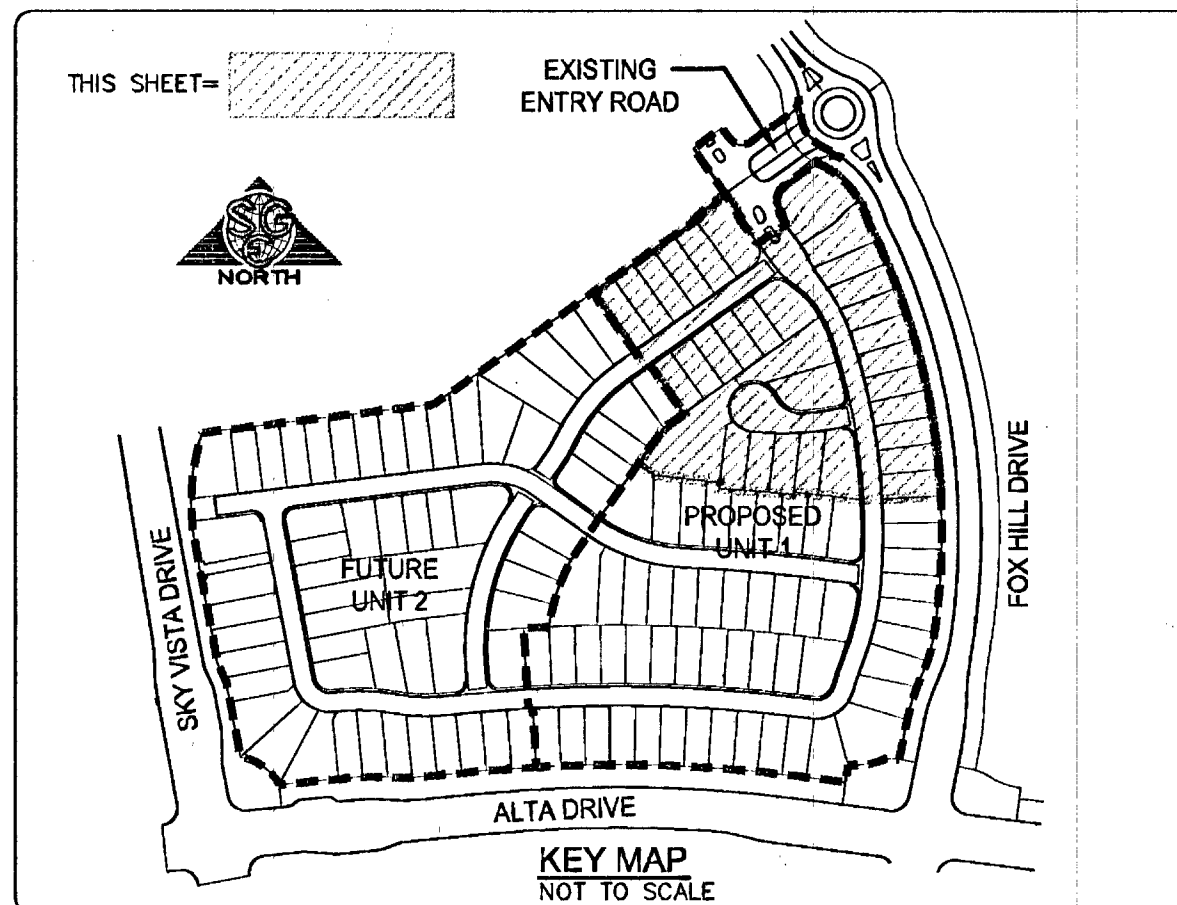




UNDEVELOPED
APN: 137-34-111-003
OWNER: HOWARD HUGHES CO. LLC

UNDEVELOPED
APN: 137-34-111-001
OWNER: WOODSIDE HOMES NEVADA LLC



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 #1, PAGE 28 OF PARCEL MAPS IN THE COUNTY RECORDER'S OFFICE, 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 FOOTHILLS AND ALTA DRIVE.
ELEVATION = 3304.45 FEET (NAVD88)

LEGAL DESCRIPTION

THAT PORTION OF SECTIONS 14 THRU 17, 20 THRU 23, 26 THRU 29, AND 32 THRU 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST AND SECTIONS 3 AND 4, TOWNSHIP 21 SOUTH, RANGE 59 EAST, M.D.B. & M., DESCRIBED AS FOLLOWS:
LOT 11 OF SUBDIVISION PLAT BOOK 145, PAGE 28 AS SHOWN BY MAP THEREOF IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

FLOOD ZONE

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA, AND UNINCORPORATED AREAS, COMMUNITY PANEL NUMBER 320000 2150 E, EFFECTIVE DATE: SEPTEMBER 27, 2002.
THE SITE IS LOCATED IN A FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) ZONE X WHICH IS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

SITE VISIBILITY ZONES

NO STRUCTURE, VEGETATION, OR OBJECT OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF ADJACENT CURB IF CURB EXISTS) WITHIN THE SITE VISIBILITY ZONES.

CONSTRUCTION NOTES

1. CONSTRUCT 2" AC, OVER 4" TYPE II
2. CONSTRUCT "L" TYPE CURB & GUTTER PER SIS S-47
3. CONSTRUCT 4" SIDEWALK PER SIS S-72
4. CONSTRUCT 8" VALLEY GUTTER PER SIS S-64
5. CONSTRUCT SIDEWALK RAMP PER USD DWG. #235 CASE I. TRANSITION A=8", B=8" UNLESS OTHERWISE NOTED
6. CONSTRUCT 3" AC, OVER 4" TYPE II
7. INSTALL TYPE II STORM DRAIN MANHOLE PER USD DWG. #405
8. REMOVE EXIST. STORM DRAIN AND CONNECT PROPOSED 42" RCP TO EXIST. DROP INLET
9. INSTALL TYPE C/2 DROP INLET PER USD DWG. #121 (L=22'). DROP INLET TO BE CONSTRUCTED IN MONOLITHIC POUR. INSTALL STORMWATER QUALITY MANAGEMENT STAMP AND SIGN PER USD DWG. #421
10. INSTALL 30" C905 PVC WATER QUALITY STORM DRAIN
11. INSTALL 42" RGRCP STORM DRAIN
12. REMOVE EXISTING STORM DRAIN WITHIN PROJECT BOUNDARY
13. INSTALL 12" (MIN.) THICK BY 36" (MIN.) DEEP OLDM CUT OFF WALL FOR ENTIRE WIDTH OF PRIVATE STREET
14. INSTALL 24" WIDE BY 6" THICK TYPE II TEMPORARY EMERGENCY ACCESS WITH COMPACTION OF 90% (MIN.)
15. CONSTRUCT SIDEWALK RAMP PER USD DWG. #235 CASE III. TRANSITION A=8", B=8" UNLESS OTHERWISE NOTED
16. FOR PARK SIDEWALK, IMPROVEMENTS, AND GRADING DESIGN SEE LANDSCAPE PLANS BY OTHERS

SLUMP BLOCK RETAINING WALL TABLE

NUMBER OF COURSES	RETAINING WALL HEIGHT	EXPOSED RETAINING WALL HEIGHT
Δ3	1.50'	1.00'
Δ4	2.00'	1.50'
Δ5	2.50'	2.00'
Δ6	3.00'	2.50'
Δ7	3.50'	3.00'
Δ8	4.00'	3.50'
Δ9	4.50'	4.00'
Δ10	5.00'	4.50'
Δ11	5.50'	5.00'
Δ12	6.00'	5.50'

NOTES:

1. THE EXPOSED RETAINING WALL HEIGHTS ARE DETERMINED WITH THE TOP OF THE FOOTING BEING 6" BELOW GRADE.
2. TOP OF RETAINING WALL TO BE A MIN. OF 2" ABOVE THE HIGH SIDE PAD ELEVATION.
3. ELEVATION DIFFERENCES OF 1' OR LESS DO NOT REQUIRE RETAINING.

GRADING GENERAL NOTES

1. THE APPROVED GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. ALL GRADING SHALL BE COMPLETED IN CONFORMANCE WITH THE DESIGN DATA SHOWN ON THE PLANS.
2. EARTHWORK QUANTITIES:
AMOUNT OF CUT = 72,856 CUBIC YARDS
AMOUNT OF FILL = 61,887 CUBIC YARDS
A) THE ABOVE QUANTITIES ARE BASED ON THE DESIGN SHOWN ON THE APPROVED GRADING PLANS AND DETAILS. ANY DEVIATION FROM THE APPROVED GRADING PLANS WILL RESULT IN QUANTITY CHANGES.
B) THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SHRINKAGE OR SUBSIDENCE.
C) THE ABOVE QUANTITIES REFLECT USING NATURAL MATERIAL IN LIEU OF TYPE 1 GRAVEL BASE MATERIAL FOR STREET SECTIONS. PER THE SOILS REPORT, THE NATIVE SOILS CURRENTLY DO NOT MEET THE SPECIFICATIONS FOR TYPE 1 AGGREGATE BASE. HOWEVER, THE SOILS REPORT FURTHER STATES THAT AFTER GRADING IS COMPLETED, THE BLENDED MATERIALS MAY BE RE-TESTED AND MAY MEET NATIVE IN LIEU OF REQUIREMENTS AT THAT TIME. IF IT IS DETERMINED THAT MATERIAL IN LIEU OF TYPE 1 MAY NOT BE USED, THE EARTHWORK QUANTITIES WILL NEED TO BE RECALCULATED.
3. SOILS REPORT BY OWENS GEOTECHNICAL INC. DATED 01/30/07, PROJECT NO. E-06-107 AND SOILS REPORT UPDATED BY GEOTEC RESIDENTIAL, LLC DATED 12/11/13, PROJECT NO. 11523-LVR6.
4. ALL GRADING SHALL BE IN ACCORDANCE WITH THE SPECIFICATION MANUAL AND THE SOILS REPORT, WHERE CONFLICTS OCCUR, THE MOST RESTRICTIVE SHALL GOVERN.

NOTES

1. SEE FINAL MAP FOR STREET CENTER LINE BEARING AND LENGTH INFORMATION.
2. ADD 3400' TO ALL FINISHED DESIGN GRADES. DO NOT ADD 3400' TO FINISHED FLOOR AND PAD ELEVATIONS.
3. ALL ON-SITE STORM DRAINS AND THE ASSOCIATED STORM DRAIN FACILITIES ARE PRIVATELY OWNED AND ARE TO BE PRIVATELY MAINTAINED BY THE HOA.
4. ALL PRIVATE STREETS ARE PUBLIC UTILITY EASEMENTS, PUBLIC DRAINAGE EASEMENTS, AND PUBLIC SEWER EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOA.

FLOOD CERTIFICATION

I HEREBY CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY DS-4620 ON FILE WITH THE CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.

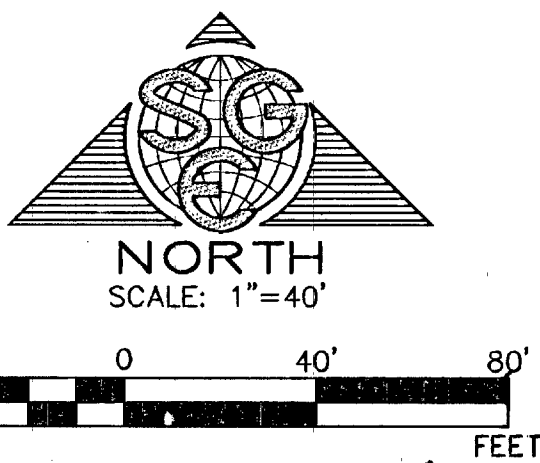
Jason P. Gross
JASON P. GROSS P.E. NO. 21666

12/26/13
DATE

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call
811
1-800-227-2600
OR
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY.
Call
before you do UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
AND
1-702-432-5300
LAS VEGAS AREA
COMPUTERIZED TRAFFIC SYSTEM

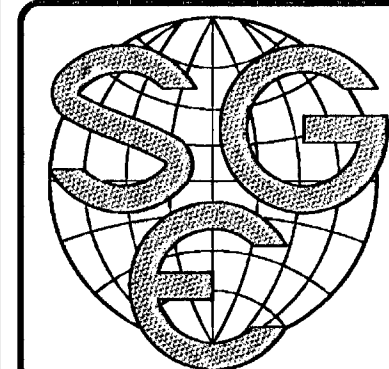
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929



DESIGNED: JPC	DATE: 12/13	SCALE: 1"=40'	PROJECT NO: 100-001-003
CHECKED: GR	DATE: 12/13	HORIZ. 1"=40'	REVISION DESCRIPTION
DATE: 12/13	DATE: 12/13	DATE: 12/13	DATE: 12/13

DRAWN: JPC
DESIGNED: JPC
CHECKED: GR
DATE: 12/13
SCALE: 1"=40'
HORIZ. 1"=40'
VERT. 1"=40'
PROJECT NO: 100-001-003
REVISION DESCRIPTION

KBHOME
5655 BAUDRA AVENUE, LAS VEGAS, NEVADA 89118
PHONE: 702-266-8400, FAX: 702-266-8623
SMART GROWTH
P.O. BOX 680744, LAS VEGAS, NEVADA 89193
PHONE: 702-336-3723, FAX: 702-529-0813



SUMMERLIN VILLAGE 23B,
PARCEL U
TEVARE UNIT 1
GRADING PLAN 1

PROFESSIONAL ENGINEER-STATE OF NEVADA
JASON P. GROSS
Exp: 08/30/15
No. 21666
12/26/13

SHEET:
G1
4 OF 23
107Y4788-1

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