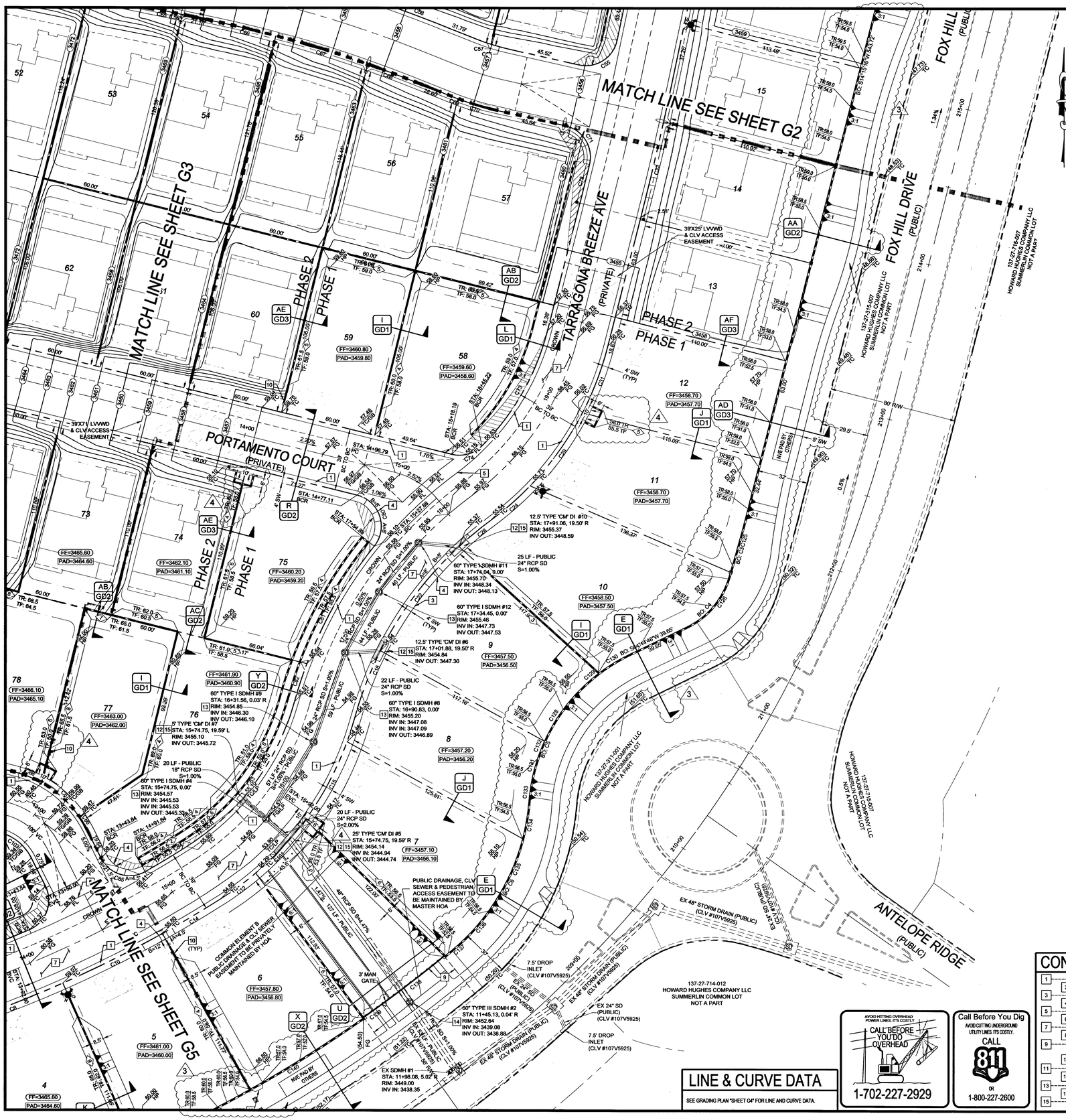


CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C1	29.39	1000.00	001.68
C2	20.42	496.00	002.36
C3	44.67	200.00	012.80
C4	48.54	1000.00	002.78
C5	69.74	746.00	005.36
C6	185.26	446.00	023.80
C7	65.95	496.00	007.62
C8	69.74	746.00	005.36
C10	69.72	746.00	005.35
C12	27.37	196.00	008.00
C14	42.37	746.00	003.25
C15	55.53	196.00	016.23
C18	45.14	229.00	011.29
C21	15.64	196.00	004.57
C22	82.18	229.00	020.56
C24	33.26	196.00	009.72
C28	25.37	229.00	006.35
C29	56.49	196.00	016.51
C31	44.76	196.00	013.08
C73	84.00	162.03	029.70
C74	20.60	19.70	059.89

CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C80	40.16	20.00	115.04
C81	85.18	263.83	018.50
C82	24.85	263.83	005.40
C83	115.54	157.00	042.16
C84	30.53	701.58	002.49
C85	32.56	20.00	093.28
C86	9.20	69.50	007.58
C87	32.41	69.50	026.72
C88	18.38	69.50	015.16
C89	12.68	19.50	037.27
C90	27.17	40.50	038.44
C91	65.59	40.50	092.79
C92	43.76	40.50	061.90
C93	29.59	40.50	041.86
C94	29.69	40.50	042.00
C95	20.33	19.50	059.72
C96	40.75	200.00	011.68
C97	0.41	436.00	000.05
C98	72.32	200.00	020.72
C99	87.11	436.00	011.45
C101	45.69	196.00	013.36

CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C103	26.33	30.50	049.46
C125	41.36	968.00	002.45
C126	41.29	50.00	047.31
C128	55.15	112.00	028.21
C129	55.15	112.00	028.21
C130	22.64	112.00	011.58
C131	39.12	112.00	020.01
C132	39.12	112.00	020.01
C133	39.12	112.00	020.01
C134	23.65	135.00	010.04
C135	84.02	135.00	035.66
C136	84.02	135.00	035.66
C137	84.02	135.00	035.66
C138	63.34	843.00	004.31
C139	63.34	843.00	004.31
C140	84.27	843.00	005.73
C141	80.40	843.00	005.46
C142	80.41	843.00	005.47
C143	80.56	843.00	005.48
C144	31.51	843.00	002.14

LINE & CURVE DATA

SEE GRADING PLAN "SHEET G4" FOR LINE AND CURVE DATA.

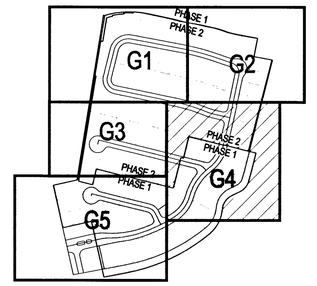
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DIG OVERHEAD
1-702-227-2929

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811 OR 1-800-227-2600

CONSTRUCTION NOTES

1. INSTALL 30" ROLL CURB & GUTTER (USD #217.S1)
2. INSTALL 10' TRANSITION FROM L TO ROLL CURB (DETAIL N, SHEET GD1)
3. INSTALL 5" THICK CONCRETE SIDEWALK (USD #233)
4. INSTALL SIDEWALK RAMP (USD#235)
5. INSTALL 8' CROSS GUTTER (USD #228)
6. SAWCUT AND MATCH INTO EX AC PAVEMENT (USD #500)
7. AC PAVEMENT OVER TYPE II AGGREGATE BASE
8. INSTALL DECORATIVE PAVERS
9. INSTALL WROUGHT IRON GATE (DETAIL Q, SHEET GD2 & & DETAIL AG, SHEET GD3)
10. STEP RETAINING WALL TO TOP OF FOOTING
11. SOLID GROUT 3 COURSES
12. INSTALL TYPE 'CM' DROP INLET (USD #421 & DETAIL AH, SHEET GD3)
13. INSTALL TYPE I SDMH (USD #403)
14. INSTALL TYPE III SDMH (USD #406)
15. INSTALL STORMWATER QUALITY MANAGEMENT STAMP AND SIGN DETAIL (USD #421)

KEY MAP



GRADING NOTES

ADD 3400 FEET TO ALL GRADE TAGS TO GET ACTUAL ELEVATION.

THE ELEVATION DIFFERENCE BETWEEN THE PAD AND FINISH FLOOR IS DETERMINED FROM THE MINIMUM THICKNESS REQUIRED PER THE GEOTECHNICAL REPORT. FINISH FLOORS MAY INCREASE DEPENDING ON THE TYPE OF SOIL AND FOUNDATION PLAN USED. NOTE THAT THE STRUCTURAL PLANS & GEOTECHNICAL REPORT SHALL SUPERSEDE THE CIVIL IMPROVEMENT PLANS.

ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENTS HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

PRIVATE STREET EASEMENTS

ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE H.O.A.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOOD ZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD PLAN PER FIRM PANEL 32003C2150E, REVISED SEPTEMBER 27, 2002.

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 161,816 CY CUT
27,148 CY FILL
134,668 CY NET (CUT)

THIS OPINION OF THE CUT AND FILL QUANTITIES IS PROVIDED AS REQUIRED BY CLARK COUNTY BUILDING CODE REQUIREMENTS. THIS INFORMATION SHOULD NOT BE USED FOR BIDDING PURPOSES. ALL CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN QUANTITIES. THESE TOTALS ARE RAW AND DO NOT ACCOUNT FOR SHRINKAGE AND SUBSIDENCE.

GEOTECHNICAL

GEOTEK
6835 S. ESCONDIDO STREET
LAS VEGAS, NEVADA 89119
702-897-1424

REPORT NO: 11959-LVR6
DATE 08/11/2014

SCALE

SCALE: 1" = 30'
30' 15' 30' 60' 90'

LEGAL DESCRIPTION

PARCEL Z OF SUMMERLIN VILLAGE 23V UNIT 3 AS SHOWN IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN BOOK 147, PAGE 12 OF PLATS, LYING WITHIN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

BASIS OF BEARINGS

NORTH 01°05'07" EAST, BEING THE BEARING OF THE WEST LINE OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWING IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN BOOK 147, PAGE 12 OF PLATS.

BENCHMARK

7LV0927SE6: RIVET AND PLATE IN TOP OF CURB AT NE CORNER OF MOUNTAIN SHADOW ROAD AND DESERT FOOTHILLS ROAD. ELEV = 3325.31 FEET/1013.556 METERS (NAVD88)

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, TRACKING #DS4718, ON FILE WITH CITY OF LAS VEGAS FOR THIS PROJECT.

ROBERT D. CUNINGHAM, P.E. — 3.22.16 DATE

NO.	DESCRIPTION	APPR.	DATE
1	ADDED RETAINING WALLS AT POWER TRANSFORMERS	SHTS.	
2	REVISED PERIMETER WALLS & SW TO MATCH SUMMERLIN WALL/LANDSCAPE PLANS BY OTHERS		

REVISIONS

TANEY ENGINEERING
6030 S. JONES BLVD STE# 100
LAS VEGAS, NV 89118
(702) 362-8844 FAX: (702) 362-5233

WILLIAM LYON HOMES
500 PILOT ROAD, SUITE G
LAS VEGAS, NV 89119
(702) 263-8200 FAX: (702) 263-8220

ALLEGRA - PHASE 1
SUMMERLIN VILLAGE 23B - PARCEL Z
A RESIDENTIAL SUBDIVISION

GRADING PLAN IV

ROBERT D. CUNINGHAM Exp. 12-31-16 CIVIL No. 15726 REGISTERED PROFESSIONAL ENGINEER — 3.22.16
ENGINEER'S SEAL

DATE:	3/22/2016
SCALE:	1"=30'
JOB NO:	WLL 14-095
DESIGNED BY:	SJW
CHECKED BY:	RRC
SHEET NAME:	G4
SHEET:	6 OF 22
	107V5026-1
CLV	H58517

FILE NAME: WLL095-SHT-G.DWG