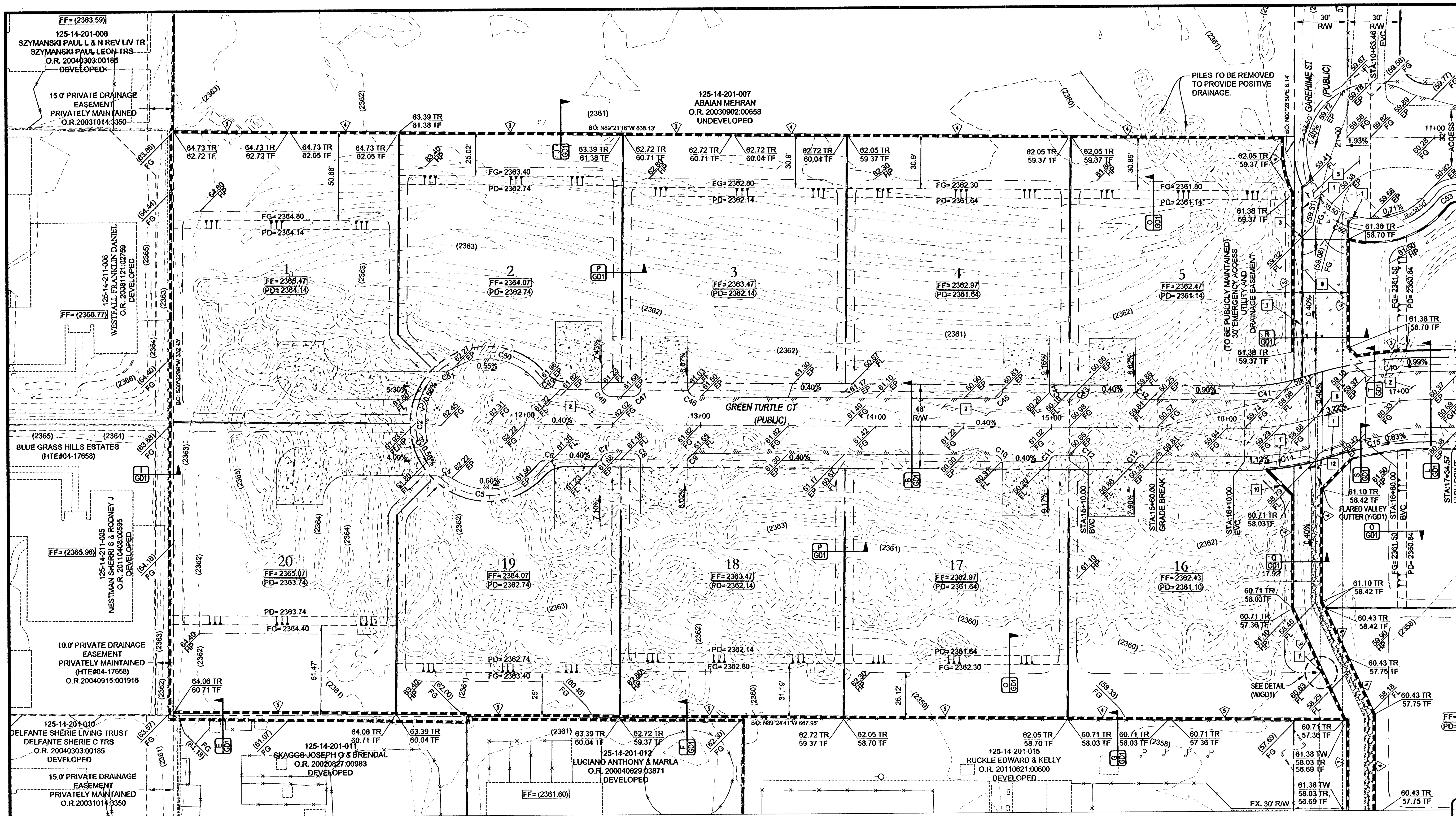


STORMWATER RUNOFF MANAGEMENT NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATE IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION IIIA.5.

4. AT A MINIMUM, THE CONTRACTOR R HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER AND ACTUAL RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECCESSARY. SOME EXCEPTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

CONSTRUCTION NOTES

1 ---------- INSTALL 3.0' CUTOFF WALL (SEE U/GD1)
2 ---- 2" AC PAVEMENT OVER 9" TYPE II (PER GEOTECHNICAL REPORT)
3 ---------- 24' WIDE CRASH GATE (SEE K/TR1)
4 ---- TRENCH, BACKFILL, & REPLACE EX AC PAVEMENT (PER CCAUSD # 503, 500.3 & 500.5)
5 ---------- 3.5" AC PAVEMENT OVER 10.5" TYPE II (PER GEOTECHNICAL REPORT)
6 ---- 4.5" AC PAVEMENT OVER 17.0" TYPE II (PER GEOTECHNICAL REPORT)
7 ---------- INSTALL DECORATIVE BLOCK WALL OPENING (SEE N/GD1)
8 ---- INSTALL 8.0' CROSS GUTTER (USD #228)
9 ---------- 6" THICK REINFORCED CONCRETE
10 ---- 3.0 COURSE SOLID GROUTED STEM WALL
11 ---------- SHALLOW MANHOLE (SEE SD-13/GD1)
12 ---- INSTALL REMOVABLE LOCKING BOLLARDS (SEE Z/GD1)

SCALE

30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

FLOOD ZONE

THIS PROJECT IS LOCATED IN FLOODZONE "X" WHICH IS AN AREA DETERMINED TO BE OUTSIDE OF THE 0.20% ANNUAL CHANCE FLOODPLAIN PER FIRM PANEL 32003C1765F, MAP REVISED NOVEMBER 16, 2011.

LEGAL DESCRIPTION

THE WEST HALF (W1/2) OF THE SOUTHWEST QUARTER (SW1/4) OF THE SOUTHEAST QUARTER (SE1/4) OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 14, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B.&M. AND THE NORTH HALF (N 1/2) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 14, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B. & M., COUNTY OF CLARK, STATE OF NEVADA.

BASIS OF BEARINGS

CLARK COUNTY BENCHMARK STATION 8LV90 14W6
719.03 METER (NAVD88) 2359.02 FEET
CITY OF LAS VEGAS RIVET AND ROUND PLATE IN CONCRETE TELEPHONE PAD, 1//4 MILE EAST OF RAINBOW BLVD. ON NORTH SIDE OF FARM ROAD.

BENCHMARK

S 89°28'06"E BEING THE CENTER LINE OF FARM ROAD AS SHOW ON THE FINAL MAP OF BLUEGRASS HILLS ESTATES "A COMMON INTEREST COMMUNITY", RECORDED IN BOOK 119, PAGE 35, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA. ALSO BEING THE SOUTH LINE OF THE NORTHWEST QUARTER (NW ¼) OF SECTION 14, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D,M,, CLARK COUNTY, NEVADA

GRADING NOTES

ADD 2300 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 AND FOUNDATION PLANS. 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 CLARK COUNTY.

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

EARTHWORK

TOTAL FOR OVERALL DEVELOPMENT: 11,753 CY CUT
13,920 CY FILL

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.

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY.
Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

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

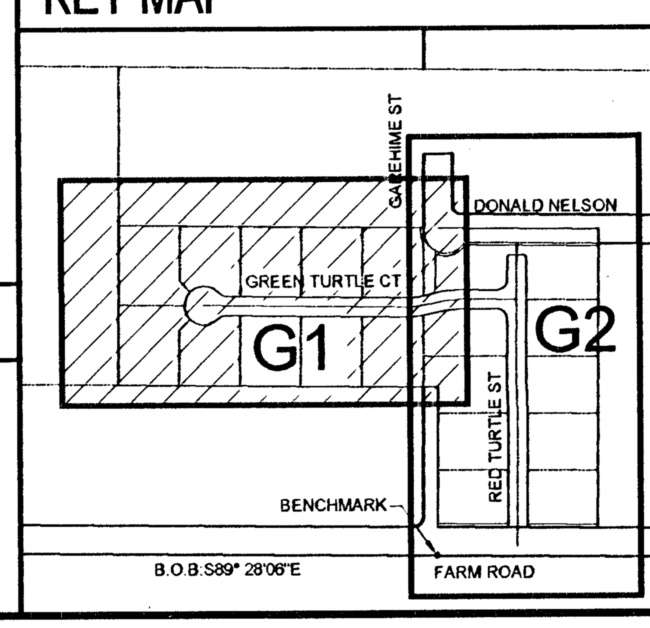
Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR 1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS 1-800-455-7544

GEOTECHNICAL

AMERICAN SOILS ENGINEERING
6000 SOUTH EASTERN AVE, SUITE 6B
LAS VEGAS, NEVADA 89119
702-889-9617

REPORT NO: 1564-GEO
DATE: APRIL 04, 2012

KEY MAP



CURVE DATA

CURVE #	LENGTH	RADIUS	DELTA
C1	7.85'	5.00'	090°00'00"
C2	17.22'	37.00'	026°39'52"
C3	7.85'	5.00'	090°00'00"
C4	5.71'	10.00'	032°44'34"
C5	55.32'	37.00'	085°40'02"
C6	12.45'	5.00'	142°40'35"
C7	7.88'	5.00'	090°14'53"
C8	7.83'	5.00'	089°45'07"
C9	7.88'	5.00'	090°14'53"
C10	7.83'	5.00'	089°45'07"
C11	7.88'	5.00'	090°14'53"
C12	7.83'	5.00'	089°45'07"
C13	7.88'	5.00'	090°14'53"
C14	31.52'	146.00'	012°22'09"
C15	36.75'	191.00'	011°01'24"
C16	7.85'	5.00'	090°00'00"
C17	7.85'	5.00'	090°00'00"
C18	7.85'	5.00'	090°00'00"
C19	7.85'	5.00'	090°00'00"
C20	31.61'	316.00'	005°43'55"
C21	28.41'	284.00'	005°43'55"
C22	7.85'	5.00'	090°00'00"
C23	7.85'	5.00'	090°00'00"
C24	7.85'	5.00'	090°00'00"
C25	7.85'	5.00'	090°00'00"
C26	7.85'	5.00'	090°00'00"
C27	7.85'	5.00'	090°00'00"
C28	7.85'	5.00'	090°00'00"
C29	7.85'	5.00'	090°00'00"
C30	31.61'	316.00'	005°43'55"
C31	23.95'	284.00'	004°49'54"
C32	7.93'	5.00'	090°54'01"
C33	7.85'	5.00'	090°00'00"
C34	7.85'	5.00'	090°00'00"
C35	7.85'	5.00'	090°00'00"
C36	7.85'	5.00'	090°00'00"
C37	7.85'	5.00'	090°00'00"
C38	3.13'	2.00'	089°45'39"
C39	7.85'	5.00'	090°00'00"
C40	35.61'	226.00'	009°01'38"
C41	17.71'	114.00'	008°53'57"
C42	7.85'	5.00'	090°00'00"
C43	7.85'	5.00'	090°00'00"
C44	7.85'	5.00'	090°00'00"
C45	7.85'	5.00'	090°00'00"
C46	7.85'	5.00'	090°00'00"
C47	7.85'	5.00'	090°00'00"
C48	7.85'	5.00'	090°00'00"
C49	12.57'	5.00'	144°02'21"
C50	55.32'	37.00'	085°40'02"
C51	5.71'	10.00'	032°44'34"
C52	112.94'	45.50'	142°12'52"
C53	13.28'	14.50'	052°27'37"

GRADING CERTIFICATION

I CERTIFY THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY, HTE 12-23724, ON FILE WITH CLARK COUNTY FOR THIS PROJECT.

ROBERT D CUNNINGHAM, P.E. 4/1/13
DATE

CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT REVIEW
ACCEPTANCE OF PLANS FOR FILING

BY
CLARK COUNTY DATE

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

NO.	DESCRIPTION	SHTS.	APPR.	DATE
	REVISIONS			

DR HORTON
330 CAROUSEL PKWY
HENDERSON, NV 89014
(702) 635-3600 FAX: (800) 909-4601

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

FARM & GAREHIME
A RESIDENTIAL SUBDIVISION
GRADING - WEST

PROFESSIONAL ENGINEER STATE OF NEVADA REGISTERED
ROBERT D CUNNINGHAM
Exp. 12-31-14
CIVIL
No. 15726
4/1/13
ENGINEER'S SEAL

DATE:	4/1/2013
SCALE:	1"=30'
JOB NO:	DRH-12-031
DESIGNED BY:	MC
CHECKED BY:	RDC
SHEET NAME:	G1
SHEET:	03 OF 15

30'1V1061 H# 47830
CC HTE# 12-49143

301 FILE NAME: 03 G1.DWG