BLM RED ROCK CONSERVATION AREA

NO WORK IS TO ENCROACH UPON THE BLM RED ROCK CONSERVATION AREA. KEEP ALL WORK, EQUIPMENT AND PERSONNEL WITHIN THE GILMORE CLIFF SHADOWS PARK AND TRAIL HEAD AT ALL TIMES. DISTURBANCES OF ANY KIND TO THE BLM RED ROCK CONSERVATION AREA CAN RESULT IN SUBSTANTIAL FINES. CONTRACTOR IS RESPONSIBLE FOR LOCATION, VERIFICATION AND MAINTENANCE OF THE BOUNDARY LINE LOCATION.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT "1LV09 12NW6", BEING A RIVET AND ALUMINUM PLATE IN A CONCRETE PAD (TRANS SWB213), ON THE EAST SIDE OF CLIFF SHADOWS PARKWAY +/- 50 SOUTH OF CONCRETE WASH.

ELEVATION: 2861.21 (FEET)
872.0977 (METERS)
CITY-OF-LAS VEGAS VERTICAL CONTROL v.2003 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS NORTH 01°09'30" WEST, BEING THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 12, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN FILE 120 OF SURVEYS AT PAGE 83, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

HUNTER MOUNTAIN AVENUE (PRIVATE)

NEEDLE MOUNTAIN STREET (PRIVATE)

FF=(2940.93) FF=(2939.33) FF=(2937.23) FF=(2935.53) FF=(2933.73) FF=(2931.83) FF=(2929.93) FF=(2928.03) FF=(2926.33) FF=(2924.83) FF=(2923.33) FF=(2921.83) FF=(2920.33)

EX. LONE MOUNTAIN WEST-UNIT 1
PB 105-47

EX. RIP RAP TO REMAIN

CONTRACTOR TO REPLACE OR REPAIR EXISTING LANDSCAPE AREA AND MATERIALS DISTURBED DURING CONSTRUCTION TO ORIGINAL CONDITION

INSTALL TYPE I CULVERT HEADWALL PER NDOT B-20.1.5

A C4.00

ALEXANDER ROAD (PUBLIC)

N 87°08'36" E

INSTALL TYPE I CULVERT HEADWALL PER NDOT B-20.1.5

CONTRACTOR TO REPLACE OR REPAIR EXISTING LANDSCAPE AREA AND MATERIALS DISTURBED DURING CONSTRUCTION TO ORIGINAL CONDITION

RED ROCK CONSERVATION AREA N.A.P.

B C4.00

E C4.00

EX. RIDGE TOP ESTATES
PB 119-89

QUALLA CREST COURT

SHAWNEE RIDGE STREET (PRIVATE)

FF=(2913.70) FF=(2911.70) FF=(2910.50) FF=(2910.20) FF=(2909.80)

FF=(2916.10) FF=(2914.20) FF=(2911.20) FF=(2908.00) FF=(2905.10) FF=(2902.50) FF=(2899.90)

FF=(2911.60) FF=(2911.00)

MATCH LINE - SEE SHEET C3.02

LINE TYPE LEGEND

- PROPOSED LIMITS OF CONSTRUCTION
- CENTER LINE
- PROPERTY LINE/ RIGHT-OF-WAY
- EASEMENT
- (2800) EXISTING GROUND CONTOUR
- 23 FINISH GROUND CONTOUR

HATCH LEGEND

- LOOSE RIP RAP PER PLAN

102506

ENGINEER'S NOTES

1. ENGINEERING BASED ON THE GEOTECHNICAL DATA REPORT PREPARED BY NINYO & MOORE PROJECT No. 301600001 , DATED SEPTEMBER 13, 2004
2. SEE SHEET C1.01 FOR GENERAL NOTES AND LEGEND.
3. CONTRACTOR TO VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
5. SEE LANDSCAPE PLANS FOR LANDSCAPING AND ONSITE IRRIGATION. CONTRACTOR TO PROTECT EXISTING LANDSCAPING DURING CONSTRUCTION.
6. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
7. THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES.

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY (DS3856) FOR THIS DEVELOPMENT AND WITH THE CITY OF LAS VEGAS."

GUY F. RUDDY, PE #12848

ADA NOTE

ALL SIDEWALKS AND HANDICAP ACCESS RAMPS SHALL MEET ADA REQUIREMENTS. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN DESIGN INFORMATION AND ADA REQUIREMENTS PRIOR TO CONSTRUCTION.

SITE NOTES:

1) CONTRACTOR RESPONSIBLE FOR THE LOCATION AND MAINTENANCE OF BOUNDARY LINE LOCATION. NO WORK TO ENCROACH UPON THE BLM RED ROCK CONSERVATION AREA. KEEP ALL WORK EQUIPMENT AND PERSONNEL WITHIN THE GILMORE CLIFF SHADOWS TRAIL HEAD BOUNDARY/PROPERTY AT ALL TIMES. ENCROACHMENT AND/OR DISTURBANCE TO THE BLM AREA CAN RESULT IN SUBSTANTIAL FINES.
2) CONTRACTOR TO PROVIDE DUST CONTROL DURING AND UPON COMPLETION OF WORK.
3) PROTECT EXISTING PLANTS DURING CONSTRUCTION. REFER TO LANDSCAPE ARCHITECTS PLANS
4) CONTRACTOR TO SCRAPE AND STOCKPILE THE TOP 3"-6" OF EXISTING NATIVE UNDISTURBED SOIL WITH ASSOCIATED PLANT MATERIAL (OTHER THAN SALVAGED PLANT MATERIAL) WITHIN THE LIMIT OF WORK, OVER ALL SURFACES TO BE DISTURBED BY CONSTRUCTION. STOCKPILE COLLECTED TOPSOIL MATERIAL WITHIN LIMIT OF WORK. STOCKPILED SOIL WITH PLANT DEBRIS TO BE REINSTALLED. STOCKPILED SOIL IS TO BE EVENLY DISTRIBUTED OVER ALL DISTURBED AREAS. BEFORE STOCKPILED SOIL IS REINSTALLED, FINE GRADE EARTH TO BE REMOVE UNUSUAL IRREGULARITIES. REINSTALL STOCKPILED TOPSOIL OVER ALL DISTURBED AREAS AND LIGHTLY RAKE SURFACE TO RESTORE NATURAL CONDITION. APPLY ECO-TEX SOIL BINDER PER MANUFACTURE'S RECOMMENDATION AND SPECIFICATIONS (702) 873-2033. DO NOT APPLY A PRE-EMERGENT OR ROCK MULCH AREAS THAT ARE TO RECEIVE THE STOCKPILED SOIL.

n w e s t&grf

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

Use of the information contained in this instrument for other than the specific purpose for which it was intended and for other than the client for whom it was prepared is forbidden unless expressly permitted in writing in advance by t&grf Civil Engineering, and t&grf Civil Engineering shall have no liability to any use of this information without their written consent.

CONTRACTOR NOTE:

PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL SCRAPE AND STOCKPILE THE TOP 3"-6" OF EXISTING UNDISTURBED SOIL WITHIN THE LIMITS OF THE PROPOSED WORK AREA. CONTRACTOR TO LOCATE AND STOCKPILE THIS SCRAPED EXISTING UNDISTURBED SOIL ON-SITE IN AN AREA AGREED UPON BY CONTRACTOR AND OWNER PROVIDING EASE OF ACCESS TO AND LEAST AMOUNT OF DISTURBANCE TO THE SITE.

CONTRACTOR TO USE SCRAPED STOCKPILED SOIL AS FINAL TOP DRESSING IN AREAS NOT COVERED WITH RIP-RAP, CONCRETE, ASHPALT, OR COMPACTED GRAVEL PATHWAYS. STOCKPILED SOIL CONTAINS DORMANT SEEDS FOR RE-VEGETATION OF NATIVE PLANTS.

Avoid cutting underground utility lines. It's costly
Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE ALERT (U.S.A.)

Avoid overhead power line contact
Call before you OVERHEAD
1-702-593-6111
NEVADA POWER ENVIRONMENT & SAFETY SERVICES DEPARTMENT

NOTICE !
EXISTING UTILITIES ARE LOCATED ON THE PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE ENGINEER BEARS NO RESPONSIBILITY FOR THE LOCATION OF UTILITIES SHOWN OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES BEFORE STARTING CONSTRUCTION AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES WITH THE UTILITY COMPANIES.

AVOID CUTTING UNDERGROUND UTILITIES IT'S COSTLY.
CALL BEFORE YOU DIg
1-800-227-2600
UNDERGROUND SERVICE (USA)

REVISIONS

CONSULTANT

t&grf
CIVIL ENGINEERING
1231 DARMAK DRIVE
LAS VEGAS, NV 89102
PHONE: 702-870-2660
FAX: 702-870-6033

GOWAN LONE MOUNTAIN SYSTEM
CLIFF SHADOWS PARK
GRADING AND DRAINAGE PLAN

STAMP

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 384-4846
TDD: (702) 386-9108

DRAWN	gfr
FILE	C3010804PH
DATE	DECEMBER 2006
SCALE	1"=30'
BID NO	
CLV DWG NO	650.83
SHT NO	C3.01

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