

**ENGINEER'S NOTES**

- ENGINEERING BASED ON THE GEOTECHNICAL DATA REPORT PREPARED BY NINTO & MOORE, PROJECT No. 301600001, DATED SEPTEMBER 13, 2004.
- SEE SHEET C1.01 FOR GENERAL NOTES AND LEGEND.
- CONTRACTOR TO VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
- SEE LANDSCAPE PLANS FOR LANDSCAPING AND ON-SITE IRRIGATION. CONTRACTOR TO PROTECT EXISTING LANDSCAPING DURING CONSTRUCTION.
- ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
- THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES. **116841**

**ENGINEER'S CERTIFICATE**

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

*Guy F. Ruddy* **03-19-09**  
 GUY F. RUDDY, PE #12848 DATE

**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.

**CONTRACTOR NOTE:**

PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL SCRAPE AND STOCKPILE THE TOP 3"-8" 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.

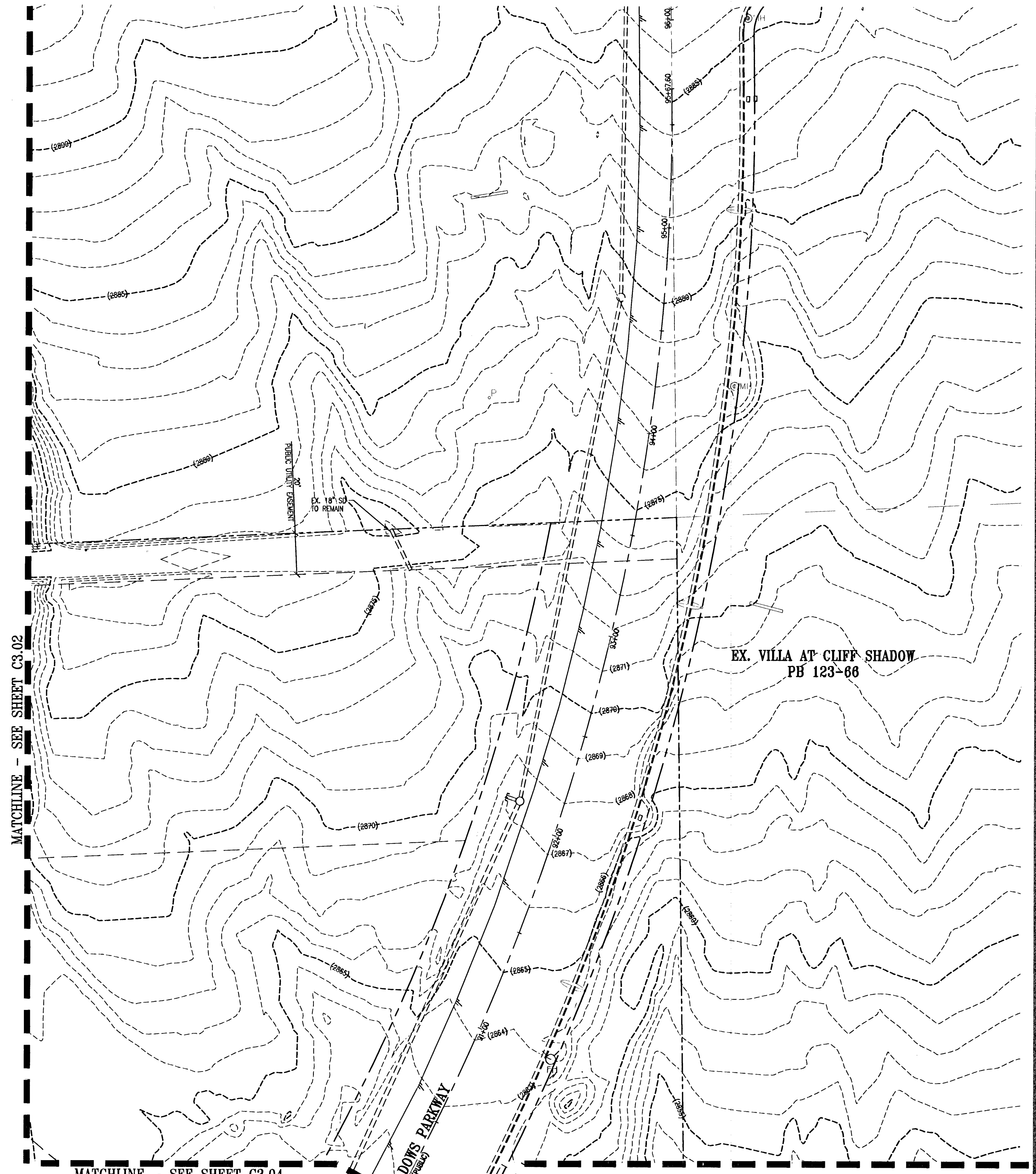
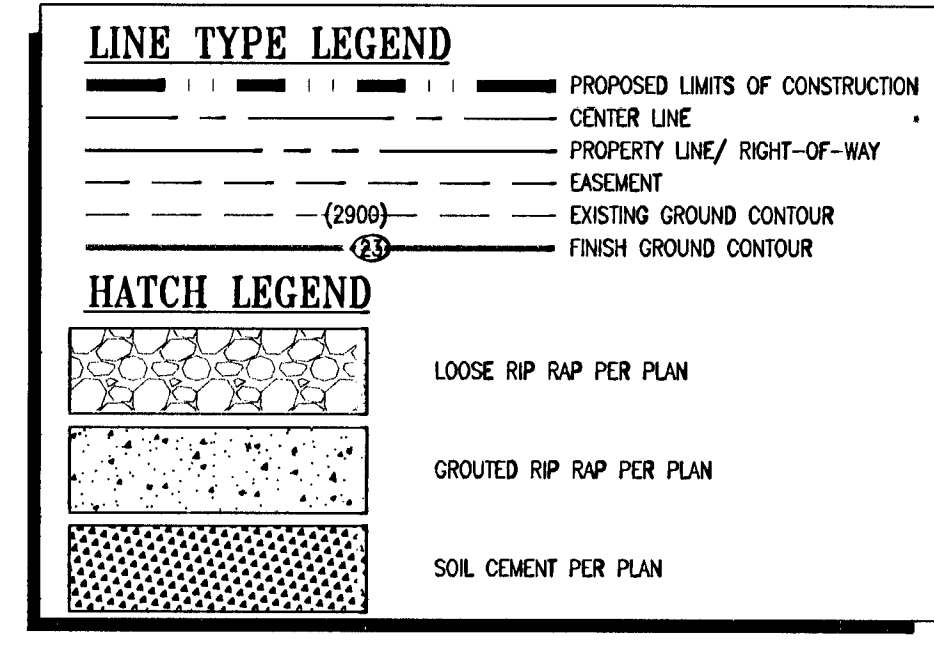
CONTRACTOR TO USE SCRAPED STOCKPILED SOIL AS FINAL TOP DRESSING IN AREAS NOT COVERED WITH RIP-RAP, CONCRETE, ASPHALT, OR COMPACTED GRAVEL PATHWAYS. STOCKPILED SOIL CONTAINS DORMANT SEEDS FOR RE-VEGETATION OF NATIVE PLANTS.

**SITE NOTES:**

- 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.
- CONTRACTOR TO PROVIDE DUST CONTROL DURING AND UPON COMPLETION OF WORK.
- PROTECT EXISTING PLANTS DURING CONSTRUCTION. REFER TO LANDSCAPE ARCHITECTS PLANS
- CONTRACTOR TO SCRAPE AND STOCKPILE THE TOP 3"-8" 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 EOC-TEX SOIL BINDER PER MANUFACTURER'S RECOMMENDATION AND SPECIFICATIONS (702) 873-2033. DO NOT APPLY A PRE-EMERGENT OR ROCK MULCH AREAS THAT ARE TO RECEIVE THE STOCKPILED SOIL.

**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 OR ANY KIND TO THE BLM RED ROCK CONSERVATION AREA CAN RESULT IN SUBSTANTIAL FINES. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND MAINTENANCE OF BOUNDARY LINE LOCATION.



**BENCHMARK**

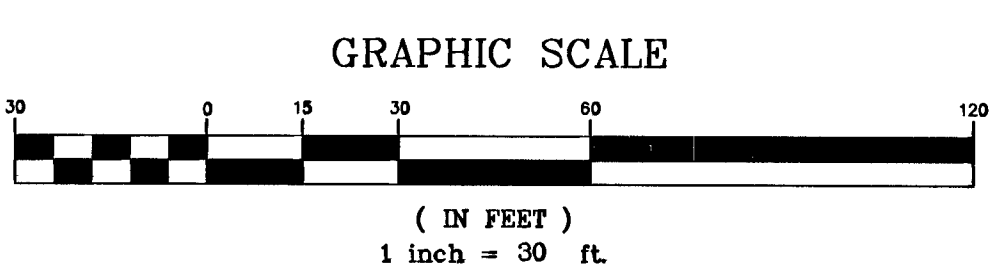
CITY OF LAS VEGAS VERTICAL CONTROL POINT "11V09 12NW9", BEING A RIVET AND ALUMINUM PLATE IN A CONCRETE PAD (TRANS SW8213), ON THE EAST SIDE OF CLIFF SHADOWS PARKWAY +/- 50 SOUTH OF CONCRETE WASH.

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 50 EAST, N.D.M., CLARK COUNTY, NEVADA AS SHOWN IN FILE 120 OF SURVEYS AT PAGE 83, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.



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Avoid cutting underground utility lines. It's costly.

**Call before you Dig**

1-800-227-2600  
 UNDERGROUND SERVICE ALERT (USA)

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 DARMAR DRIVE  
 LAS VEGAS, NV 89102  
 PHONE: 702-870-2660  
 FAX: 702-870-6033

GOWAN LONE MOUNTAIN SYSTEM  
 CLIFF SHADOWS PARK  
 GRADING AND DRAINAGE PLAN

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

400 EAST STEWART AVENUE  
 LAS VEGAS, NEVADA 89101  
 PHONE: (702) 229-5535  
 FAX: (702) 384-6846  
 TDD: (702) 386-3108

DATE: MARCH 2009

SCALE: 1"=30'

SHEET NO: 11

CUI/DWG NO: 65083

DATE: 03-19-09

**RECORD DRAWING**

C3.03

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