

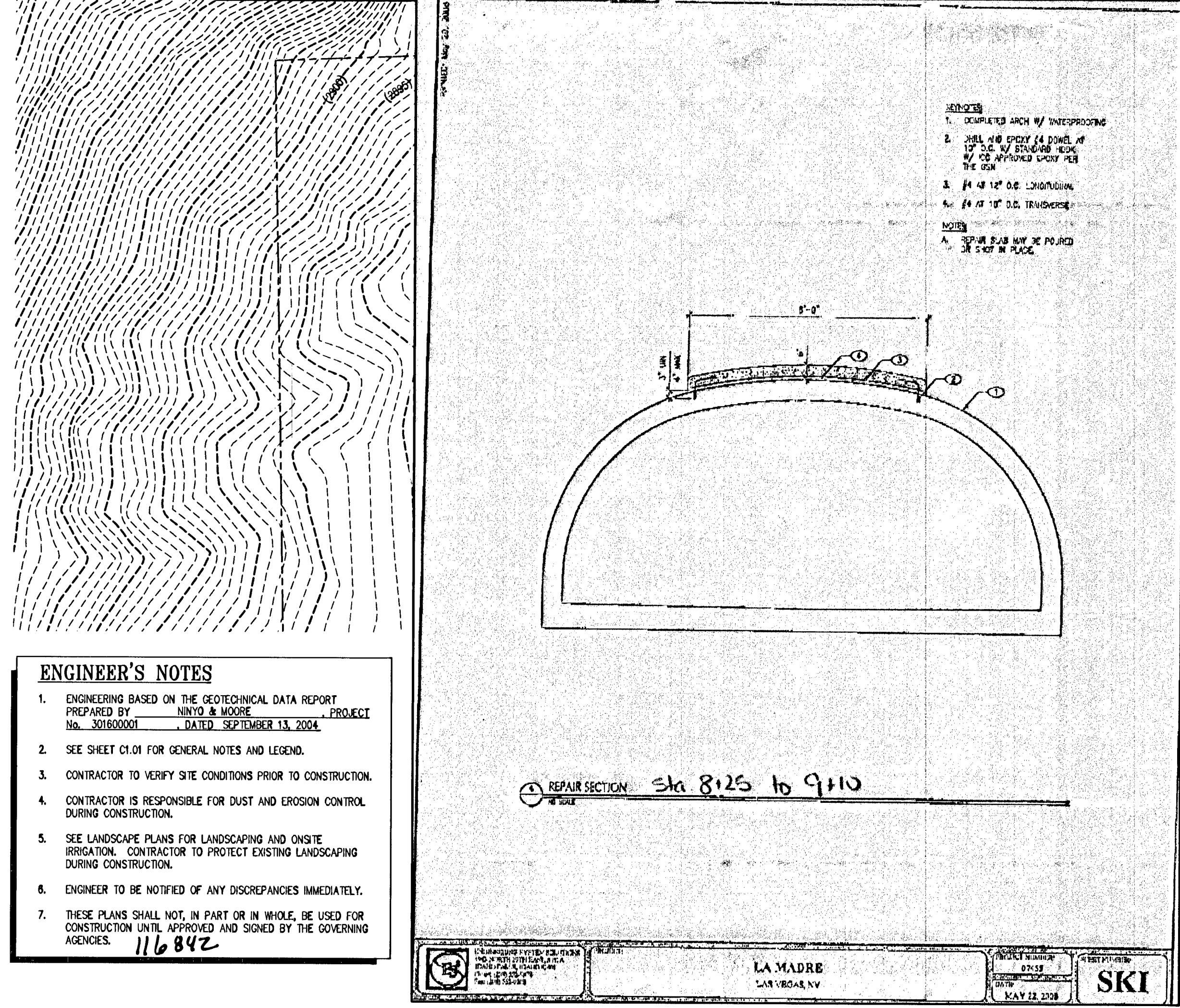
**CONTRACTOR NOTE:**  
 PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL SCRAPE AND STOCKPILE THE TOP 3" OF EXISTING UNDISTURBED SOIL WITHIN THE LIMITS OF THE PROPOSED WORK AREA. CONTRACTOR TO LOCATE AND STOCKPILE THIS SCRAPED EXISTING UNDISTURBED SOIL ON-SITE IN AN AREA AGREED UPON BY CONTRACTOR AND 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 SOYBEAN SEEDS FOR RE-VEGETATION OF NATIVE PLANTS.

**SITE NOTES:**  
 1) CONTRACTOR RESPONSIBLE FOR THE LOCATION AND MAINTENANCE OF BOUNDARY LINE LOCATION. NO WORK TO ENCRUCH UPON THE BLM RED ROCK CONSERVATION AREA. KEEP ALL WORK EQUIPMENT AND PERSONNEL WITHIN THE CLIFF SHADOWS TRAIL BOUNDARY/PROPERTY AT ALL TIMES. ENCROUCHMENT 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 ARCHITECT'S PLANS.  
 4) CONTRACTOR TO SCRAPE AND STOCKPILE THE TOP 3" 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 100' OF SCRAPED STOCKPILED SOIL WITHIN 100' OF DISTURBED AREAS. STOCKPILED SOIL IS TO BE EVENLY DISTRIBUTED OVER ALL DISTURBED AREAS BEFORE STOCKPILED SOIL IS REINSTALLED. THE GRADE EARTH TO BE REMOVED UNDESIRABLE WEEDS AND EXISTING STOCKPILED TOPSOIL OVER ALL DISTURBED AREAS AND LOCALLY REVEALS TO RESTORE NATURAL CONDITIONS. APPLY ECO-TEX SOIL BINDER FOR MAINTENANCE'S RECOMMENDATION AND SPECIFICATIONS (102) 873-2833. DO NOT APPLY A PRE-EMERGENT OR ROCK MULCH AREAS THAT ARE TO RECEIVE THE STOCKPILED SOIL.

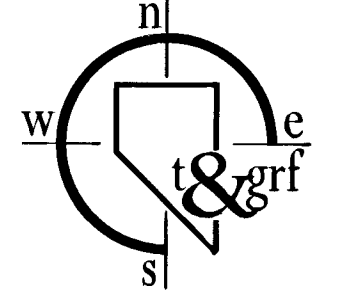
**BLM RED ROCK CONSERVATION AREA**  
 NO WORK IS TO ENCRUCH UPON THE BLM RED ROCK CONSERVATION AREA. KEEP ALL WORK EQUIPMENT AND PERSONNEL WITHIN THE CLIFF SHADOWS TRAIL BOUNDARY/PROPERTY AT ALL TIMES. ENCROUCHMENT AND/OR DISTURBANCE TO THE BLM AREA CAN RESULT IN SUBSTANTIAL FINES. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND MAINTENANCE OF BOUNDARY LINE LOCATION.

**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.  
*N. Ruddy* 03/19/09  
 CIVIL ENGINEER, 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.



**ENGINEER'S NOTES**  
 1. ENGINEERING BASED ON THE GEOTECHNICAL DATA REPORT PREPARED BY NINTO & MOORE PROJECT No. 30160001 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 ON-SITE 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 UNLESS APPROVED AND SIGNED BY THE GOVERNING AGENCIES. 116842



**LINE TYPE LEGEND**

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

**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, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN FILE 120 OF SURVEY'S AT PAGE 83, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

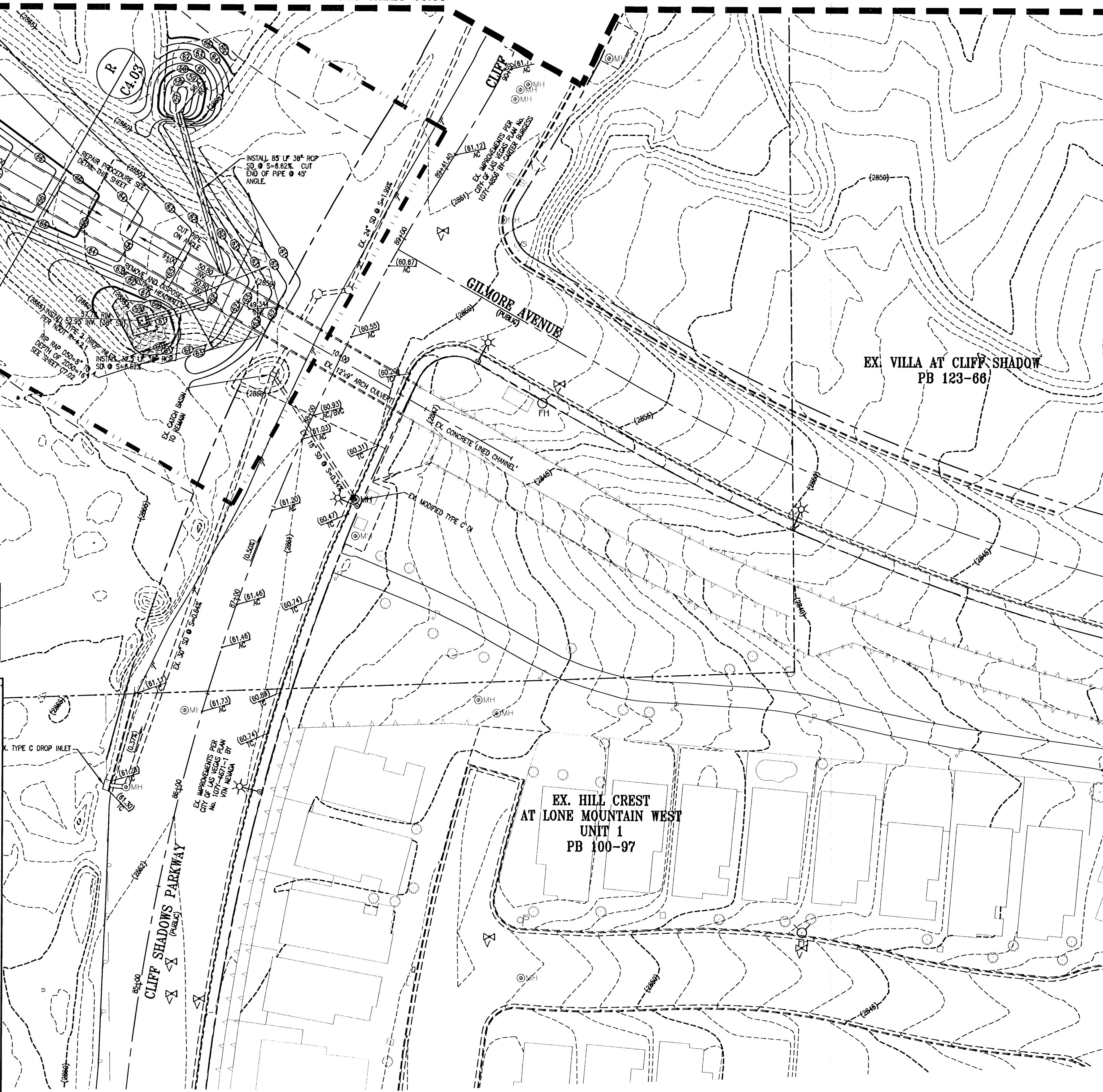
**BENCHMARK**  
 CITY OF LAS VEGAS VERTICAL CONTROL POINT "11V08 12NW", BEING A IRNET AND ALUMINUM PLATE IN A CONCRETE PAD (TRANS SW213), ON THE EAST SIDE OF CLIFF SHADOWS PARKWAY +/- 50 SOUTH OF CONCRETE WASH.  
 ELEVATION: 2861.21 (FEET)  
 872.0977 (METERS)  
 CITY OF LAS VEGAS VERTICAL CONTROL v.2003 BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

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

Avoid overhead power lines. It's costly.  
**Call before you OVERHEAD**  
 1-702-593-6111  
 NEVADA POWER ENVIRONMENT & SAFETY SERVICES DEPARTMENT

**NOTICE 1**  
 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 utility lines. It's costly.  
**CALL BEFORE YOU Dig**  
 1-800-227-2600  
 Underground Service (USA)



CONSULTANT  
**t&g**  
 CIVIL ENGINEERING  
 1231 DARMARK DRIVE  
 LAS VEGAS, NV 89102  
 PHONE: 702-870-2660  
 FAX: 702-870-6033

GOWAN LONE MOUNTAIN SYSTEM  
 CLIFF SHADOWS PARK  
 GRADING AND DRAINAGE PLAN

*N. Ruddy*  
 CIVIL ENGINEER, PE #12848  
 03/19/09

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) 229-5845  
 TDD: (702) 386-9109

DRAWN	gfr
FILE	C304204brc
DATE	MARCH 2009
SCALE	1"=30'
SHEET NO.	65083
CITY DWG NO.	12
SHEET NO.	C3.04