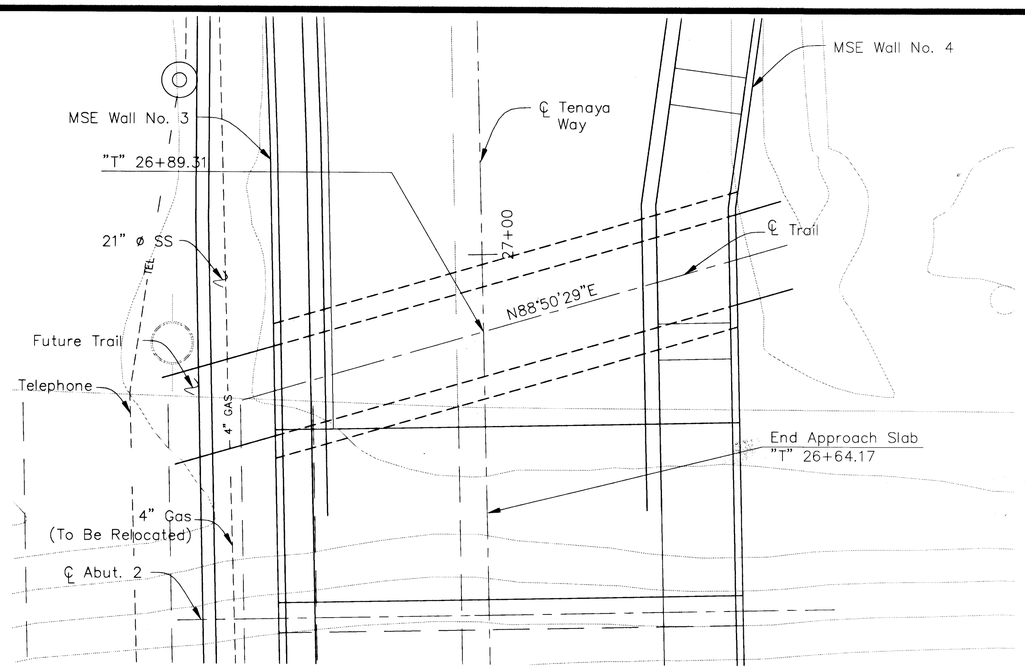
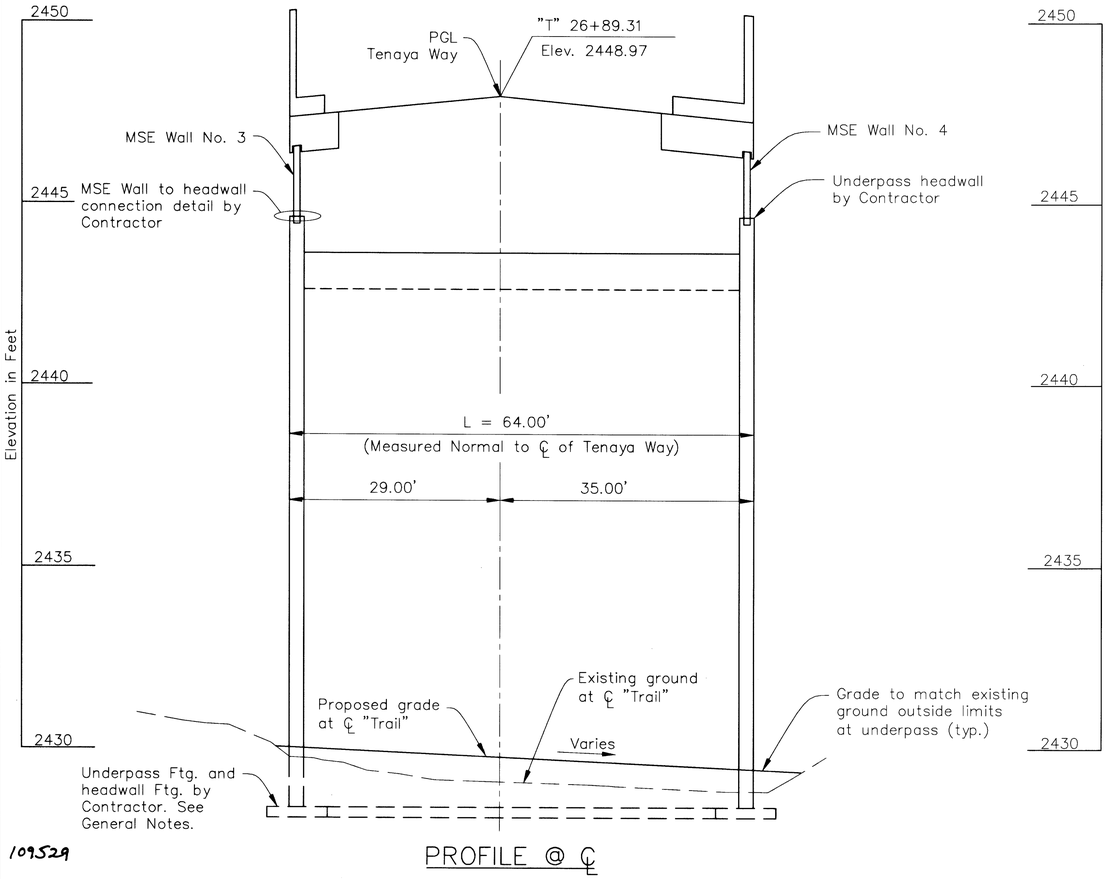


PLAN

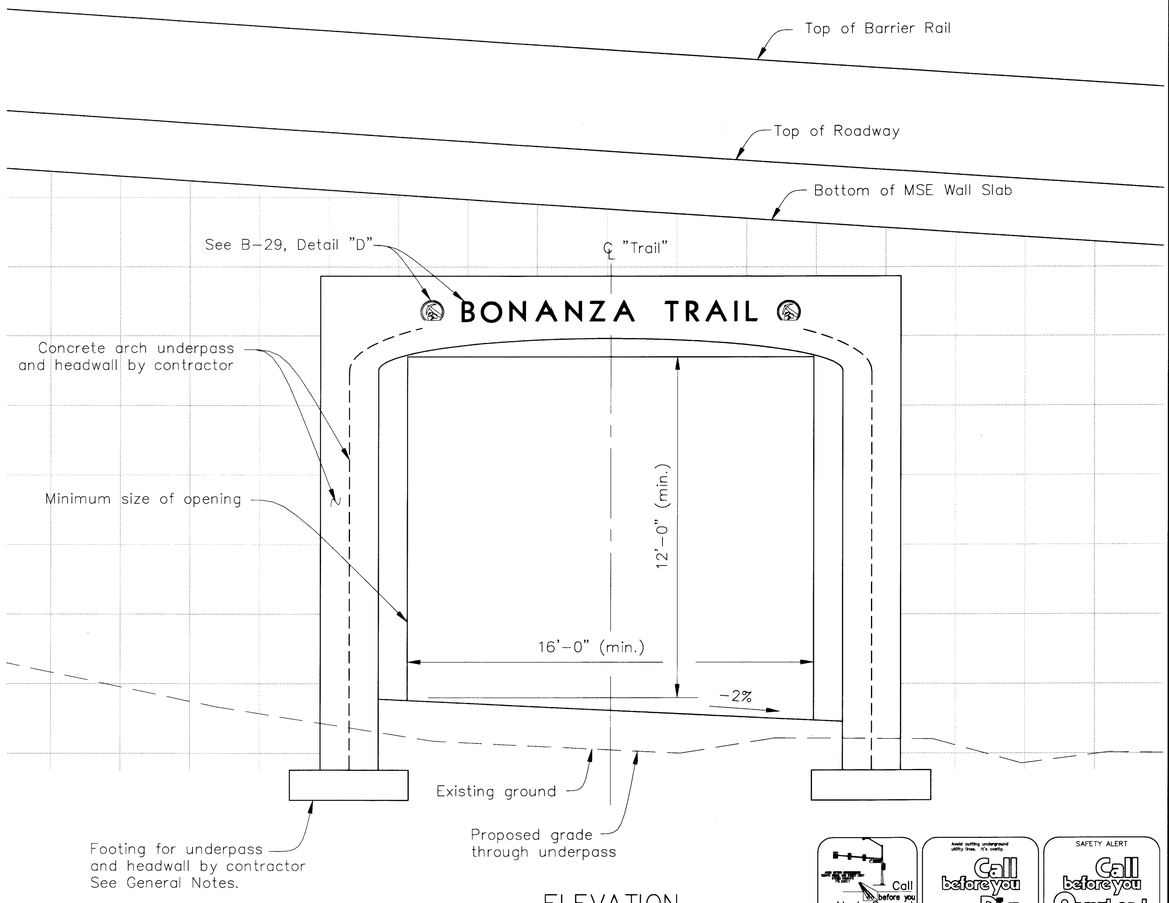


PROFILE @ ℄

109529

GENERAL NOTES:

1. DESIGN SPECIFICATIONS:
   Contractor shall submit special design for trail underpass, headwall and associated footings developed according to AASHTO "Standard Specifications for Highway Bridges, 17th Edition, 2002" with interims to date. Load Factor Design Method.
2. CONSTRUCTION SPECIFICATIONS:
   State of Nevada Department of Transportation "Standard Specifications for Road and Bridge Construction, 2001" except as noted below and in the Special Provisions for this contract.
3. DEAD LOAD:
   125 lbs/cu. ft. for height of embankment and surface above top of underpass.
4. LIVE LOAD:
   Standard HS 25 or Alternate Military Loading. Overload Design based on California "Standard Permit Design Vehicles." (Maximum Allowable Overload: "P13" Truck). Impact load in accordance with AASHTO.
5. SEISMIC LOAD:
   Acceleration Coefficient – 0.15g. AASHTO Response Spectra with Type II Soil. Detailed to meet AASHTO Seismic Performance Category "C" Requirements.
6. CONCRETE:
   All concrete shall be Class A Modified (Major) with a minimum 28 day compressive strength of 4,000 psi.
7. REINFORCING STEEL:
   All reinforcing steel shall be ASTM A706 Grade 60.
8. FOUNDATIONS:
   Footings shall bear on native soil with a minimum embedment of 2'–0". Maximum allowable bearing pressure is 3500 psf. Refer to final Geotechnical Evaluation, Tenaya Way Overpass prepared by Ninyo and Moore, dated December 15, 2004. Contractor's design shall address differential movements betweem MSE Wall and Underpass Structure.



ELEVATION

Call before you UnderGround 1-702-455-7511
1-702-432-5300
Call before you Dig. 1-800-227-2600
SAFETY ALERT Call before you Overhead 1-702-593-6111

REVISIONS

NO.	DATE:	DESCRIPTION	APP'D

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DESIGN SECTION
CITY ENGINEER: JORGE CERVANTES, P.E.
PROGRAM MANAGER: MARK SORENSEN, P.E.
DESIGNED BY: CS
DRAWN BY: CG
CHECKED BY: RM
HDR Engineering, Inc.
HORIZONTAL SCALE: NA
VERTICAL SCALE: NA
DATE: 1/2008

TITLE: TENAYA WAY OVERPASS AT SUMMERLIN PKWY
SHEET: TRAIL UNDERPASS

PROFESSIONAL ENGINEER STATE OF NEVADA
CRAIG W. SMART
Exp. 12-31-08
CIVIL
No. 14579
1-22-08

Sheet TR-01
86 of 96
DRAWING NO. 107Y4452

P:\Tenaya\Sheets\TR-01.dwg 01/18/08 9:32am aabdo