

3. CONTRACTOR TO PROVIDE 6 FOOT HIGH TEMPORARY FENCING TO ENCLOSE THE SILVER MESA WELL SITE DURING CONSTRUCTION OF THE 6 FOOT CMU WALL FOR SECURITY PURPOSES.

PAGE 1 OF 2
B-103-1
11-02-05

MASONRY FENCE WALL CONSTRUCTION

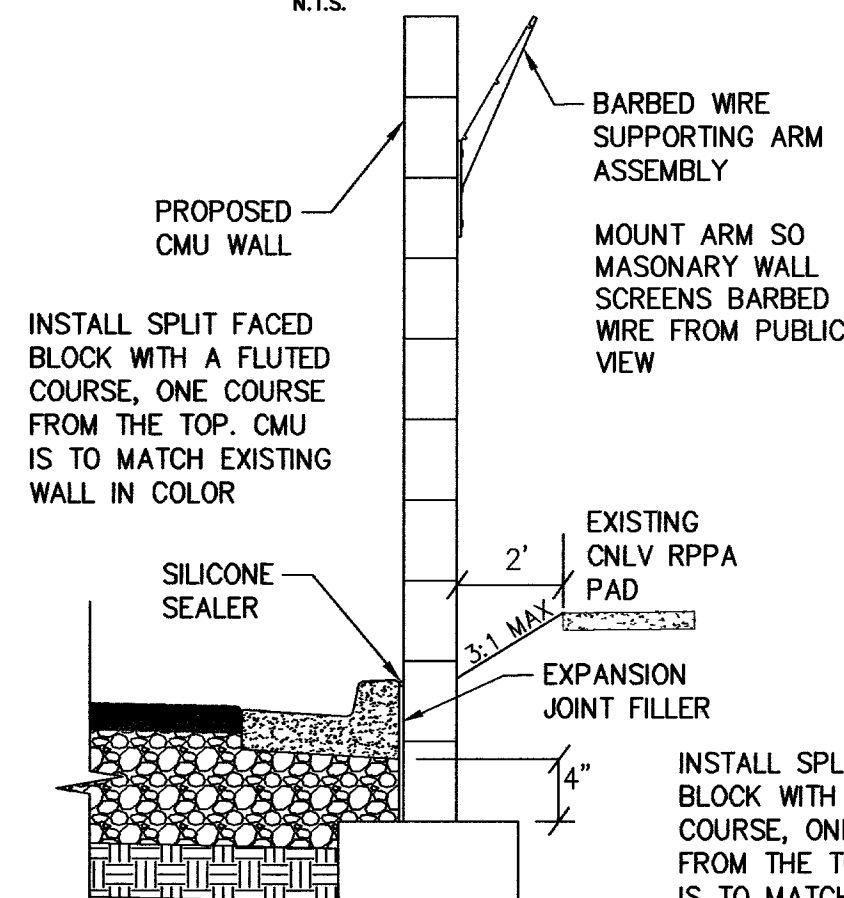
1. ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE 2000 EDITION WITH SNBC AMENDMENT.
2. CONCRETE BLOCK MASONRY SHALL COMPLY WITH THE FOLLOWING:
 - A. CONCRETE MASONRY SHALL CONFORM TO ASTM C 55 OR C 90, GRADE-N
 - B. MORTAR: TYPE M OR TYPE S, 1900 PSI
 - C. BLOCKT CONFORMS TO ASTM C 90, 2000 PSI
3. THE CLIMATE COMPRESSIVE STRENGTH REQUIRED FOR FOUNDATION CONCRETE SHALL BE OF 4500 PSI. (EXPOSED TO SULFATE CONTAINING SOILS.)
4. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE ASTM A615-40 MINIMUM.
5. NO WATER COURSE OR NATURAL DRAINAGE SHALL BE OBSTRUCTED.
6. SITE PLAN SHALL BE SUBMITTED FOR REVIEW BEFORE THE BUILDING PERMIT IS ISSUED.
7. HORIZONTAL JOINT REINFORCEMENT 2 OF LONGITUDINAL W 1.7 (MW11) WRES SPACE NOT MORE THAN 16" MAY BE SUBSTITUTE FOR HORIZONTAL REINFORCEMENT.



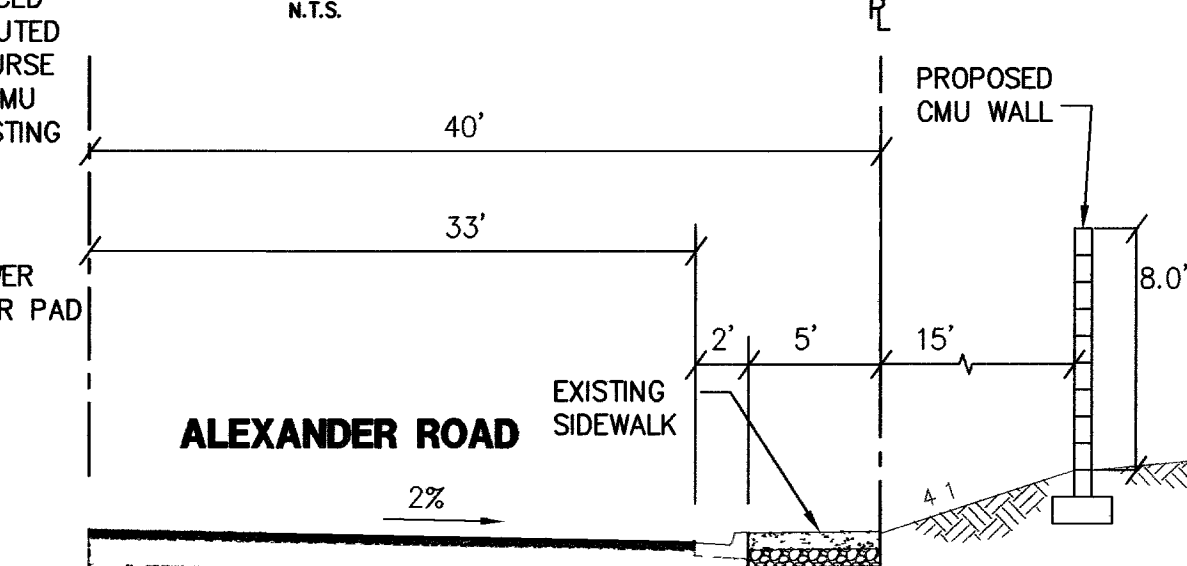
WALL SCHEDULE		1500 PSF	
WALL HEIGHT H	4'	6'	8'
WALL THICKNESS	6"	6"	8"
VERTICAL REINFORCEMENT	#4@48" O/C	#4@32" O/C	#4@32 O/C
HORIZONTAL REINFORCEMENT	#4@48" O/C	#4@32" O/C	#4@32 O/C
DOWEL	1-#4 (TOP)	2-#4	2-#4
WIDTH OF FOOTING	1'-4"	2'-8"	2'-1"

DESIGN CRITERIA
WIND LOAD
BASIC WIND SPEED = 90 MPH,
EXPOSURE C
TOPOGRAPHIC FACTOR = 1.0
W = 13.3 PSF
SEISMIC LOAD
DESIGN SPECTRAL RESPONSE SDS = .65g
SEISMIC COEFFICIENTS R = 3.0
FP = 0.217g
SOIL PARAMETER
SITE CLASS = D
ALLOWABLE SOIL BEARING PRESSURE =
1500 PSF

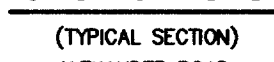
(TYPICAL SECTION)
N.T.S.



(TYPICAL SECTION)



(TYPICAL SECTION)



BC LINE TABLE		
LINE #	LENGTH	DIRECTION
L20	20.526	N89° 52' 03.94"E
L21	37.228	N0° 07' 56.06"W
L22	16.027	N89° 52' 03.94"E
L23	33.484	N0° 07' 56.06"W
L24	10.292	S0° 09' 42.18"E
L25	1.743	N89° 49' 45.49"W

BC CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C1	3.927	2.500	90.0000

- 1 CONSTRUCT "L" TYPE CURB AND GUTTER PER CCAUSD NO. 216.
INSTALL 6" OF TYPE II UNDER CURB AND GUTTER.
- 2 CONSTRUCT 6' C.M.U. WALL PER WALL SECTION DETAIL. THIS SHEET
REFER TO SHEET C4 FOR DETAIL WALL GRADING
- 3 CONSTRUCT SIDEWALK PER CCAUSD NO. 234
- 4 CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD NO. 226
- 5 MATCH EXISTING SIDEWALK
- 6 INSTALL 20 FOOT WROUGHT IRON ROLLING GATE
- 7 INSTALL 6.5" WROUGHT IRON FENCE
- 8 INSTALL 3" AC OVER 12" TYPE II
- 9 CONSTRUCT "A" TYPE CURB PER CCAUSD NO. 219.
- 10 INSTALL 3-2" AND 1-4" IRRIGATION CONDUITS
- 11 MATCH EXISTING TC
- 12 INSTALL DECO BLOCK AT FLOW LINE FOR DRAINAGE

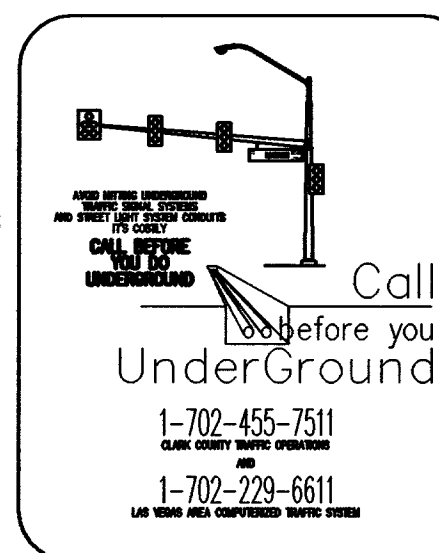
THE BASIS OF BEARINGS FOR THIS SURVEY IS DEFINED BY THE CENTRAL MERIDIAN OF THE CITY OF NORTH LAS VEGAS USER DEFINED TRANSVERSE MERCATOR PROJECTION; SAID MERIDIAN BEING COINCIDENT WITH 115°05' 53.002040" WEST OF THE GREENWICH MERIDIAN. ORIENTATION IS DEFINED BY THE HIGH ACCURACY REFERENCE NETWORK OF NEVADA, NATIONAL GEODETIC SURVEY. (EPOCH 1999.37)

NLV016S4 ELEVATION-669.916 METERS, 2197.881 FEET RIVET
 AND 2" ROUND ALUMINUM DISK, STAMPED NORTH LAS VEGAS
 BENCHMARK No. NLV016S4, IN THE TOP OF CURB AT THE
 NORTHWEST CORNER OF THE INTERSECTION OF ALEXANDER ROAD
 AND VALLEY DRIVE. NORTH AMERICAN VERTICAL
 DATUM OF 1988 (NAVD 88).

CCRW PROJECT CONTROL NUMBER

SIGNATURE OF THESE PLANS WILL NOT BE CONSTRUED TO BE A PERMIT FOR OR THE APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS OR DESIGN AND CONSTRUCTION STANDARDS . THE APPROVAL OF THESE DRAWINGS DOES NOT GUARANTEE CAPACITY IN THE DISTRICT'S COLLECTION OR TREATMENT SYSTEM

SNWA APPROVAL IS VALID FOR (1) YEAR
FROM SIGNATURE DATE, IF CONSTRUCTION
WITHIN THE EASEMENT OR RESTRICTED PIPE
SAFETY ZONE IS NOT COMPLETE, PLAN MUST
BE RESUBMITTED TO SNWA FOR APPROVAL.



Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENT AND
UTILITY SERVICES DEPARTMENT

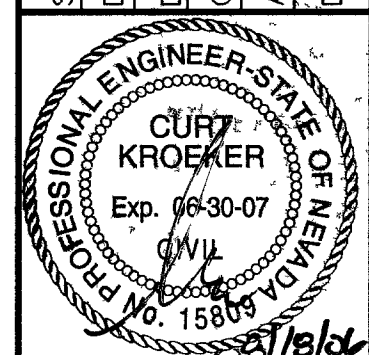
CITY OF NORTH LAS VEGAS - UTILITIES - UTILITIES TECHNICAL SERVICES

GRADING/SITE PLAN

SILVER MESA WELL SITE

CITY OF NORTH LAS VEGAS

SCALE: NONE	NO	DESCRIPTION	DATE	BY
DESIGN: C. KROEGER				
DRAWN: C. KROEGER				
CHECKED: D. MUIRHEAD				
APPROVED: L. LONG				
DATE 05-15-06				



	06/09/20

(DRAWING TITLE)

SHEET NO.

SHEET 6 OF 12

CLV DWG. # 107V46.90