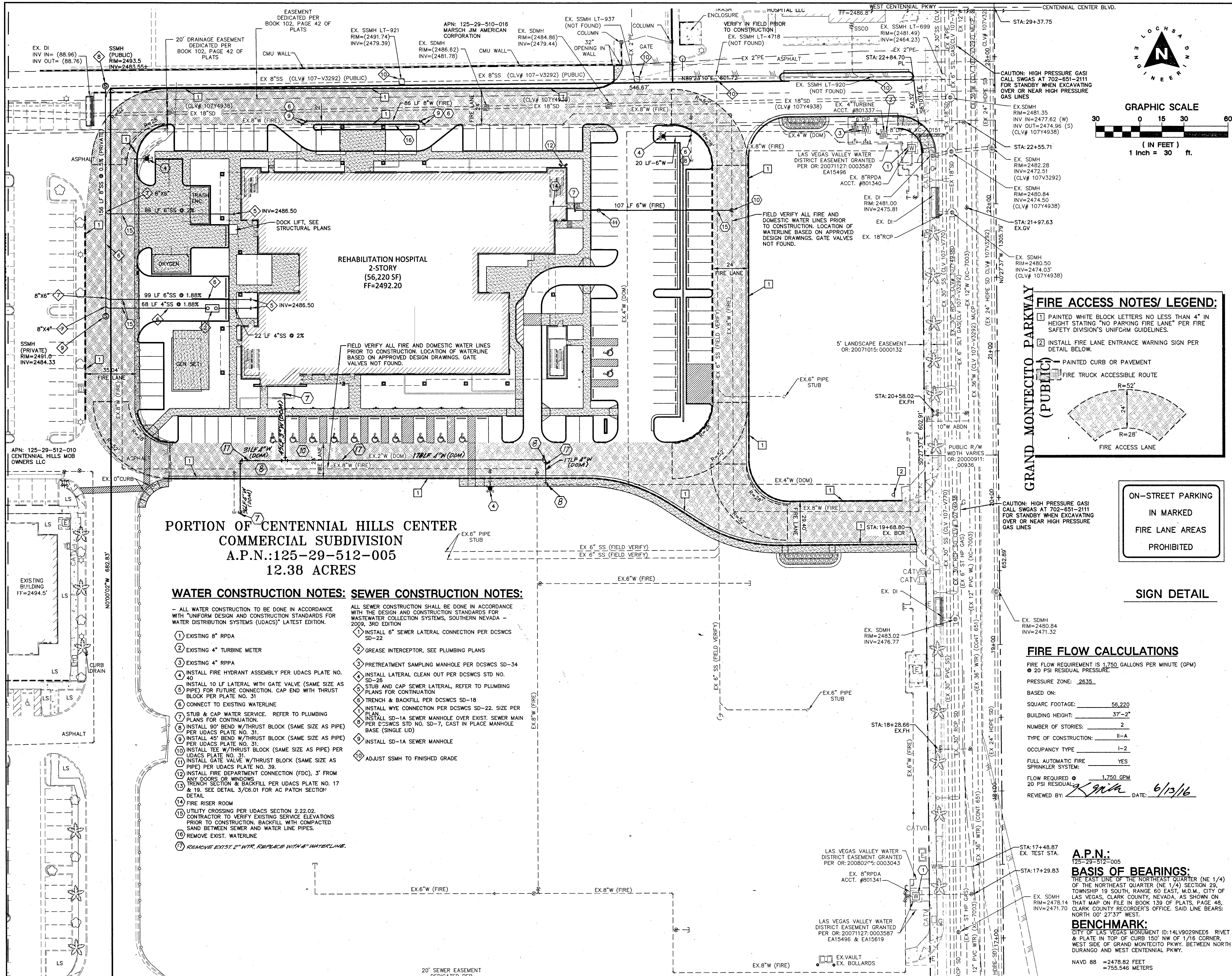




PORTION OF CENTENNIAL HILLS CENTER
COMMERCIAL SUBDIVISION
A.P.N.: 125-29-512-005
12.38 ACRES

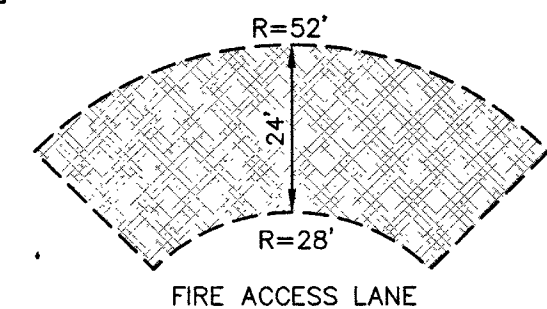
WATER CONSTRUCTION NOTES: SEWER CONSTRUCTION NOTES:

- ALL WATER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS)" LATEST EDITION.
- ALL SEWER CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, SOUTHERN NEVADA - 2009, 3RD EDITION.
- EXISTING 8" RPDA
 - EXISTING 4" TURBINE METER
 - EXISTING 4" RPPA
 - INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 40
 - INSTALL 10 LF LATERAL WITH GATE VALVE (SAME SIZE AS PIPE) FOR FUTURE CONNECTION. CAP END WITH THRUST BLOCK PER PLATE NO. 31
 - CONNECT TO EXISTING WATERLINE
 - STUB & CAP WATER SERVICE. REFER TO PLUMBING PLANS FOR CONTINUATION.
 - INSTALL 90° BEND W/THRUST BLOCK (SAME SIZE AS PIPE) PER UDACS PLATE NO. 31
 - INSTALL 45° BEND W/THRUST BLOCK (SAME SIZE AS PIPE) PER UDACS PLATE NO. 31
 - INSTALL TEE W/THRUST BLOCK (SAME SIZE AS PIPE) PER UDACS PLATE NO. 31
 - INSTALL GATE VALVE W/THRUST BLOCK (SAME SIZE AS PIPE) PER UDACS PLATE NO. 39
 - INSTALL FIRE DEPARTMENT CONNECTION (FDC), 3" FROM ANY DOOR OR WINDOW
 - TRENCH SECTION & BACKFILL PER UDACS PLATE NO. 17 & 19. SEE DETAIL 3/C6.01 FOR AC PATCH SECTION DETAIL
 - FIRE RISER ROOM
 - UTILITY CROSSING PER UDACS SECTION 2.22.02
 - CONTRACTOR TO VERIFY EXISTING SERVICE ELEVATIONS PRIOR TO CONSTRUCTION. BACKFILL WITH COMPACTED SAND BETWEEN SEWER AND WATER LINE PIPES.
 - REMOVE EXIST. WATERLINE
 - REMOVE EXIST. 2" WTR. REPLACE WITH 4" WATERLINE.
1. INSTALL 6" SEWER LATERAL CONNECTION PER DCSWCS SD-22
2. GREASE INTERCEPTOR, SEE PLUMBING PLANS
3. PRETREATMENT SAMPLING MANHOLE PER DCSWCS SD-34
4. INSTALL LATERAL CLEAN OUT PER DCSWCS STD NO. SD-28
5. STUB AND CAP SEWER LATERAL, REFER TO PLUMBING PLANS FOR CONTINUATION
6. TRENCH & BACKFILL PER DCSWCS SD-18
7. INSTALL WYE CONNECTION PER DCSWCS SD-22. SIZE PER PLAN
8. PER DCSWCS STD NO. SD-7, CAST IN PLACE MANHOLE BASE (SINGLE LID)
9. INSTALL SD-1A SEWER MANHOLE
10. ADJUST SSMH TO FINISHED GRADE

FIRE ACCESS NOTES/ LEGEND:

- PAINTED WHITE BLOCK LETTERS NO LESS THAN 4" IN HEIGHT STATING "NO PARKING FIRE LANE" PER FIRE SAFETY DIVISION'S UNIFORM GUIDELINES.
- INSTALL FIRE LANE ENTRANCE WARNING SIGN PER DETAIL BELOW.

- PAINTED CURB OR PAVEMENT
FIRE TRUCK ACCESSIBLE ROUTE



ON-STREET PARKING
IN MARKED
FIRE LANE AREAS
PROHIBITED

SIGN DETAIL

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1,750 GALLONS PER MINUTE (GPM)
20 PSI RESIDUAL PRESSURE.

PRESSURE ZONE: 2635

BASED ON:

SQUARE FOOTAGE: 56,220

BUILDING HEIGHT: 37'-2"

NUMBER OF STORIES: 2

TYPE OF CONSTRUCTION: II-A

OCCUPANCY TYPE: I-2

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES

FLOW REQUIRED: 1,750 GPM

20 PSI RESIDUAL

REVIEWED BY: *K. M. Morris* DATE: 6/13/16

A.P.N.:

125-29-512-005

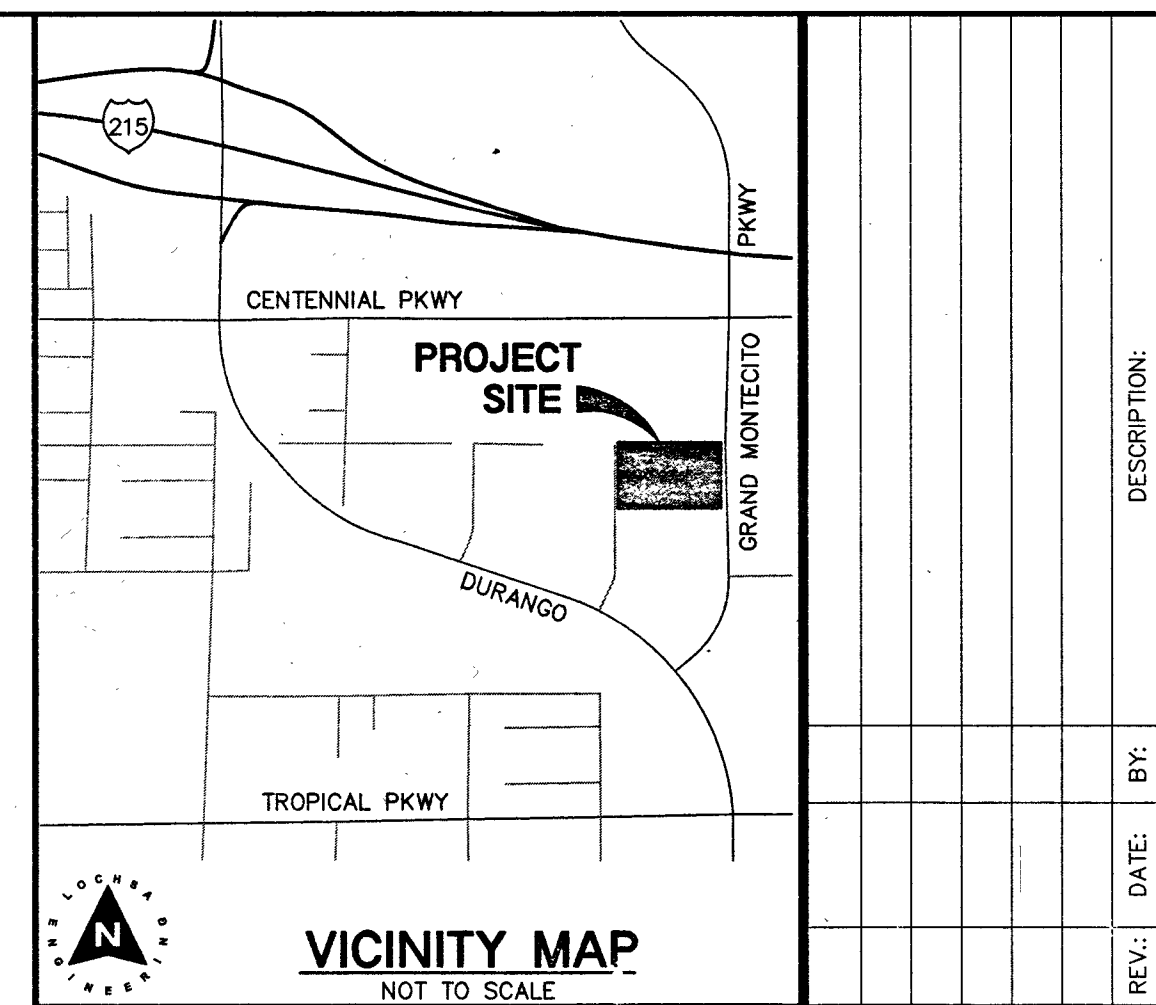
BASIS OF BEARINGS:

THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) SECTION 29, TOWNSHIP 15 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON THAT MAP ON FILE IN BOOK 139 OF PLATS, PAGE 48, CLARK COUNTY RECORDER'S OFFICE, SAID LINE BEARS: NORTH 00° 27' 37" WEST.

BENCHMARK:

CITY OF LAS VEGAS MONUMENT ID: 14LV9029NEE6 RIVET & PLATE IN TOP OF CURB 150' NW OF 1/16 CORNER, WEST SIDE OF GRAND MONTECITO PKWY, BETWEEN NORTH DURANGO AND WEST CENTENNIAL PKWY.

NAVD 88 = 2478.82 FEET
= 755.546 METERS



FIRE DEPARTMENT APPROVAL
APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LAS VEGAS VALLEY WATER DISTRICT.

CITY OF LAS VEGAS
FIRE DEPARTMENT APPROVAL
BY: *K. M. Morris* DATE: 6/13/16
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS, FIRE FLOW 1,750 GPM AT 20 PSI RESIDUAL.

APPROVED FOR CONSTRUCTION
BY: *J. S. Morris* DATE: 7/20/16
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT No. 124199
LVWMD APPROVED FIRE FLOW = 1,750 GPM AT 20 PSI RESIDUAL

NOTE:
CONTRACTOR TO INCLUDE COST OF UNDERGROUND UTILITY DETECTION COMPANY TO LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO ANY DEMOLITION OR EXCAVATION ENGINEER TO BE PROVIDED WITH AS-BUILT SKETCH OF EXISTING UTILITIES, AND IS TO BE NOTIFIED IMMEDIATELY OF ANY POTENTIAL CONFLICTS WITH PROPOSED UTILITIES AND/OR FINISHED GRADES.

NOTE:
REMOVAL OF EXISTING ACTIVE UTILITIES TO BE PHASED AS DIRECTED BY OWNER.

NOTE:
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF UNIFORM DESIGN AND CONSTRUCTION STANDARD FOR WATER DISTRIBUTION SYSTEMS (UDACS) FOR WATER AND STORM DRAIN CROSSING AND CLEARANCES.

NOTE:
EASEMENTS WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL, OR FENCE
TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

NOTE:
LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

SAFETY ALERT
Call Before You Dig
Call Before You Overhead
Call Before You UnderGround

1-702-227-2929 1-702-432-5300 1-800-227-2600

LEGEND	CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100w HPS STREETLIGHTS	150w HPS STREETLIGHTS	200w HPS STREETLIGHTS	250w HPS STREETLIGHTS
	PROPERTY LINE	SAWCUT LINE	EXISTING:	(2210)								12.34		①	① = SANITARY SEWER ② = STORM DRAIN ③ = ELECTRICAL ④ = TELEPHONE						BVV	BVV			
	ROW LINE	SCARP LINE	PROPOSED:	(2122)								12.34		⑤											

UTILITY PLANS
SHEET 1

CENTENNIAL HILLS REHABILITATION HOSPITAL
LAS VEGAS, NV

PROJECT No.: 151113
DATE: 03/11/16
SCALE: 1" = 30'
DRAWN BY: CP
DESIGNED BY: CP
CHECKED BY: TE

GUY M. MORRIS
EXP. 12-31-17
CIVIL
No. 14526
3-11-16

SHEET No. C2.01
SHEET 3 OF 6
CLV No. 107V6665-HF63059