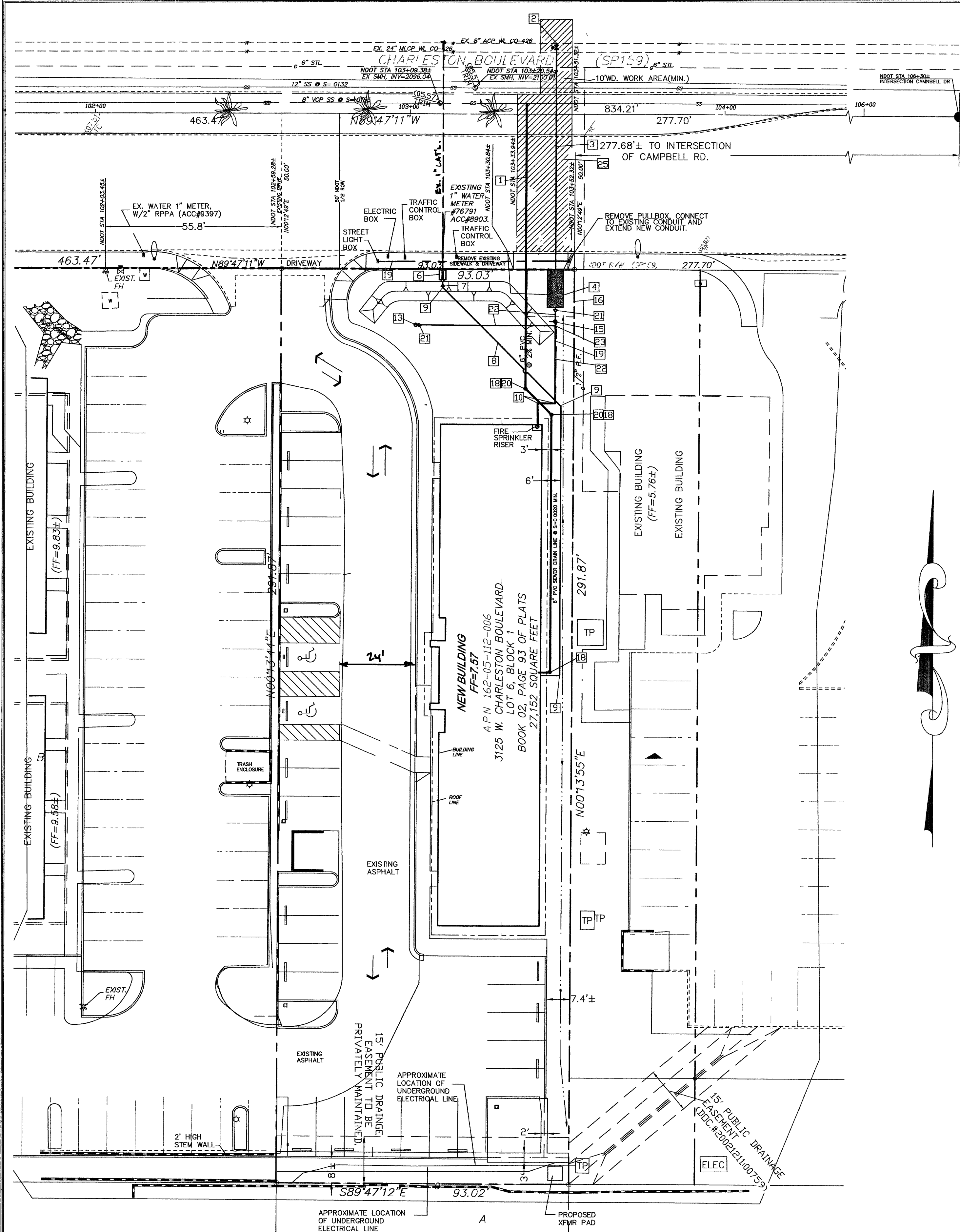




NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED

AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY. PLANS SHOWING WORK IN NDOT ASSUMES ALL LIABILITY FOR WORK CONDUCTED UNDER THE DISTRICT OBTAINED PERMIT THROUGH WARRANTY EXPIRATION.

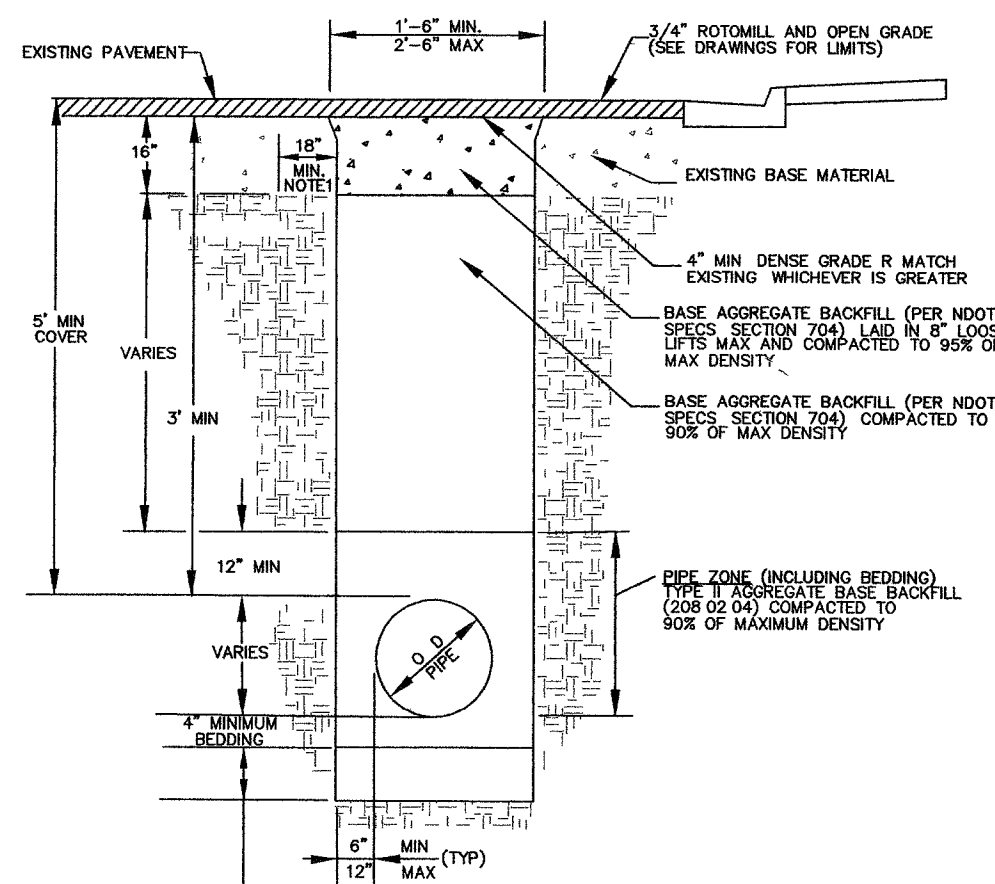
ESN.023 REVISED 6/1/04

CONSTRUCTION NOTES

- 90 LF 6" PVC SEWER DRAIN @ 2.0% MIN. (NDOT STA 103+36.92 INSTALL NEW SEWER LATERAL) 3' LEFT TO 50' RIGHT
- 8"x8" MJ TAPPING SLEEVE W/6" TAPPING VALVE (NDOT STA 103+46.92 INSTALL NEW LATERAL)
- 70 LF 6" PVC WATER LINE
- 6" DCDA PER UDACS PLATE #11C
- 6" GATE VALVE
- 1" DUAL RPPA PER USD PLATE #11B
- 1" x 2" REDUCER
- 2" WATER LINE
- 2" 45° BEND
- 4" 90° BEND
- 6" DCDA
- 6" TEE
- FIRE DEPARTMENT CONNECTION
- 6" 90° BEND
- 6" POST INDICATOR VALVE W/ TAMPER SWITCH
- 15'x15' LVWWD EASEMENT
- 6" PVC WATER LINE
- 6" CLEANOUT
- 1 1/4" CONDUIT W/2#4'S AND 1# THW WIRE
- 6" 45° BEND
- CHECK VALVE
- 6" 200p.s.i PIPE
- 4" TEE
- 3/4" CONDUIT FOR FIRE RISER
- PAVEMENT REMOVAL & REPLACEMENT PER USD # 504 (NDOT STA 103+36.92 INSTALL NEW SEWER LATERAL) (NDOT STA 103+46.92 INSTALL NEW SEWER LATERAL)

LEGEND

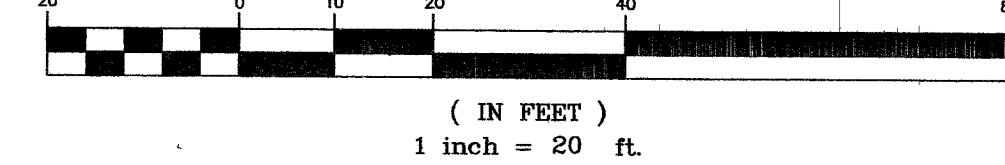
- XX-- EXISTING CONTOUR
- ROAD CENTERLINE
- PROPERTY/ROW LINE
- XX.XX SPOT ELEVATION
- FOUND POINT AS NOTED
- MANHOLE
- POWER POLE
- GUY WIRE
- /// EDGE OF PAVEMENT
- == CURB & GUTTER
- NEW A-TYPE CURB
- RETAINING WALL
- DRAINAGE INLET
- HYDRANT
- STREET LIGHT
- STORM DRAIN MANHOLE
- CONCRETE PADS
- SINGLE POLE SIGN
- MISCELLANEOUS UTILITY COVER
- CONCRETE AREAS
- BUILDING
- REMOVAL OF EXISTING AC PAVING
- NEW AC PAVING



NOTES: FINAL LIMITS OF PAVEMENT REPLACEMENT TO BE DETERMINED BY A NDOT INSPECTOR

TRENCH BACKFILL - NDOT R/W

GRAPHIC SCALE



ASSESSOR'S PARCEL NUMBER

162-05-112-006

OWNER

J & R CHAN LLC
555 12TH ST # 1280
OAKLAND, CA 94607-4085

BENCHMARK

CITY OF LAS VEGAS BENCHMARK STATION NUMBER - CLV123283015
RIVET & PLATE IN TOP ON CURB ON THE NORTH SIDE OF CHARLESTON
+/- EAST OF CAMPBELL

ELEVATION = 639.7397 METERS (NAVD'88 PUBLISHED)
ELEVATION = 20988.88 U.S. SURVEY FEET (NAVD'88 CALCULATED)

BASIS OF BEARING

NORTH 89°47'11" WEST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 05, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP IN FILE 77, PAGE 29 OF SURVEYS, ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA

FLOOD ZONE

THIS SITE LIES IN A FLOOD ZONE "X" AS DESCRIBED ON FIRM MAP 32003C2170 E, MAP REVISED SEPTEMBER 27, 2002.

NOTES

LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

LVWWD PROJECT # 111612

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVWWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVWWD COMMUNICATIONS SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVWWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
- ALL WORK SHALL CONFORM TO LVWWD STANDARD PLANS, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2003 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS)
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVWWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVWWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CUB GUTTERS.
- ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.19 OF THE 2003 EDITION OF THE UDACS
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVWWD DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVWWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
- ANY INTERRUPTION OF SERVICE MUST BE APPROVED BY THE LVWWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVWWD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
- TELEPHONE "CALL BEFORE YOU DIG" AT 1-800-227-2600.

DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) (1) 6"

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 11C. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION. ESN.041 REVISED 6/1/04

DUAL REDUCED PRESSURE PRINCIPLE ASSEMBLY (2) 1"

APPROVED DUAL REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11B. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LAS VEGAS VALLEY WATER DISTRICT. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION. ESN.041 REVISED 6/1/04

FIRE FLOW CALCULATIONS

THE FIRE FLOW REQUIREMENT IS: 2000 GALLONS PER MINUTE 20 PSI RESIDUAL PRESSURE.

BASED ON:
SQUARE FOOTAGE: 4,937 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 4,937 SQUARE FEET
BUILDING HEIGHT: 20'-2" FEET
NUMBER OF STORIES: 1 FLOOR
TYPE OF CONSTRUCTION: VB
OCCUPANCY: COMMERCIAL/OFFICE
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES

CITY OF LAS VEGAS FIRE DEPARTMENT

BY: *[Signature]* 9.28.05
DATE: 9.28.05
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 STATE OR OF COUNTY LAWS.

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE OR FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NON-EXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS.

APPROVED FOR CONSTRUCTION
[Signature] 10-21-05
LAS VEGAS VALLEY WATER DISTRICT
PROJECT 111612 SHEET 04

ENGINEER'S NOTES

- CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION
- SEE LANDSCAPE PLANS FOR LANDSCAPING AND ON-SITE IRRIGATION TO VERIFY WITH SOILS REPORT.
- 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.
- CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE AWAY FROM PROPOSED BUILDINGS.

Avoid overhead power line contact. It's costly.
Call before you Dig.

Avoid cutting underground utility lines. It's costly.
Call before you Dig.

R. LUCERO & ASSOCIATES, INC.

CONSULTING ENGINEERING - PLANNING - DESIGN
9946 LIBERTY VIEW ROAD
LAS VEGAS, NV 89148
PHONE: 702-362-7952
FAX: 702-362-7952

LAS VEGAS, NV. 891
PHONE: PHONE (702)
FAX: (702)

DESIGNED: RLL
CHECKED: RLL
SCALE: 1"=20'
FILE NO.:
DATE: 6/04/05

DR CHAN
MEDICAL OFFICE BUILDING
UTILITY & STREET LIGHTING PLAN
CLARK COUNTY
NEVADA

BY: APP'D
DESCRIPTION
REV. DATE

SEAL
ENGINEER
ROBERT L. LUCERO
Exp 12-31-05
No. 9686
SHEET
C4
4 OF 5 SHEETS

CLV DWG. # 107V4485

1-800-227-2929

1-800-227-2600