

WATER CONSTRUCTION NOTES

- 1 30'x7' PAVEMENT REMOVAL AND REPLACEMENT PER UDACS PLATE 6B AND USDOCA DWG No 503
- 2 INSTALL 1" SERVICE SADDLE W/ CORPORATION STOP (WET TAP) PER UDACS PLATE 1-D
- 3 INSTALL 1" COPPER WATER SERVICE PER UDACS PLATE 1-D
- 4 INSTALL 1" WATER METER W/ BOX PER UDACS PLATE 1-D
- 5 INSTALL 1" R.P.P.A. PER UDACS PLATE 11A
- 6 INSTALL 1" PVC WATER LINE (DOMESTIC SERVICE)
- 7 INSTALL 6"x6" MJ TAPPING TEE PER UDACS PLATE No. 22 (WET TAP)
- 8 INSTALL 6" NRS TAPPING VALVE W/ VALVE BOX
- 9 INSTALL 6" PVC FIRE LINE
- 10 INSTALL 4" DCDA W/ 4"x6" REDUCERS PER UDACS PLATE No. 20B
- 11 PROVIDE 10'x11' EASEMENT TO LVVWD

SEWER CONSTRUCTION NOTES

- 1 22'x5' PAVEMENT REMOVAL AND REPLACEMENT PER C.C. STD DWG No SD-16A AND USDOCA DWG No 503
- 2 CONTRACTOR TO VERIFY INVERT PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES IMMEDIATELY TO ENGINEER.
- 3 INSTALL 4" PVC SANITARY SEWER LATERAL PER C.C. STD DWG No SD-17
- 4 INSTALL 4" 1-WAY CLEANOUT
- 5 INSTALL 4" 2 WAY CLEANOUT

WATER QUANTITIES

PUBLIC

1" SERVICE SADDLE W/ CORPORATION STOP	1 EACH
1" COPPER WATER SERVICE	35 LF
1" WATER METER W/ BOX	1 EACH
1" R.P.P.A.	1 EACH
6" MJ TAPPING TEE	1 EACH
6" NRS TAPPING VALVE W/ BOX	1 EACH
6" PVC FIRE LINE	36 LF
4" DCDA (FEBCO N-PATTERN 876)	1 EACH
4"x6" REDUCER	2 EACH

PRIVATE

1" PVC WATER LINE (DOMESTIC SERVICE)	15 LF
6" PVC FIRE LINE	11 LF

SEWER QUANTITIES

PUBLIC

4" PVC SANITARY SEWER LATERAL	30 LF
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PRIVATE

4" PVC SANITARY SEWER LATERAL	93 LF
INSTALL 4" 1-WAY CLEANOUT	1 EACH
INSTALL 4" 2 WAY CLEANOUT	2 EACH

NOTE

QUANTITIES SHOWN ARE APPROXIMATE ONLY AND INTENDED TO ILLUSTRATE THE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT QUANTITIES INVOLVED.

KEYED NOTES

- 1 EXISTING 9.9' AC SIDEWALK, CURB, & GUTTER.
- 2 EXISTING CONSTRUCTION STORAGE YARD.
- 3 EXISTING ASPHALT PARKING LOT.
- 4 EXISTING STREET LIGHT
- 5 EXISTING FIRE HYDRANT
- 6 EXISTING FENCE AND GATE TO BE REMOVED AFTER CONSTRUCTION

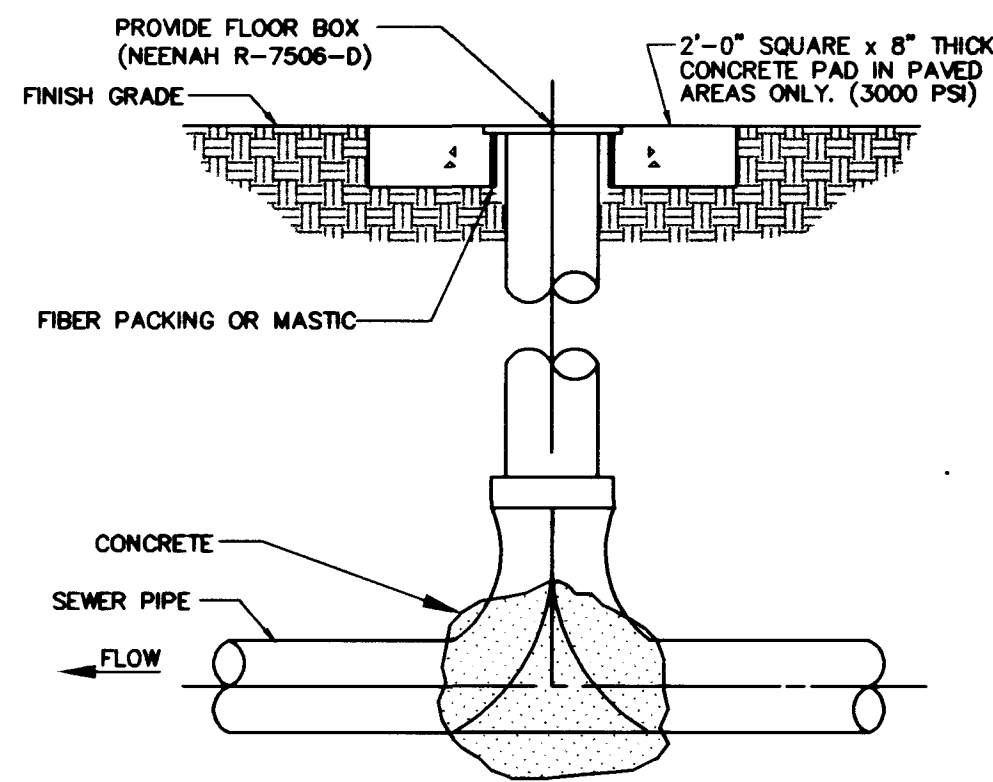
REDUCED PRESSURE PRINCIPAL ASS'Y (1")

APPROVED REDUCED PRESSURE PRINCIPAL ASSY(S). SHALL BE INSTALLED PER THE U.D.A.C.S. PLATE No. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACK FLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPAL ASSY(S). HAS BEEN SUCCESSFULLY TESTED BY THE L.V.V.W.D.

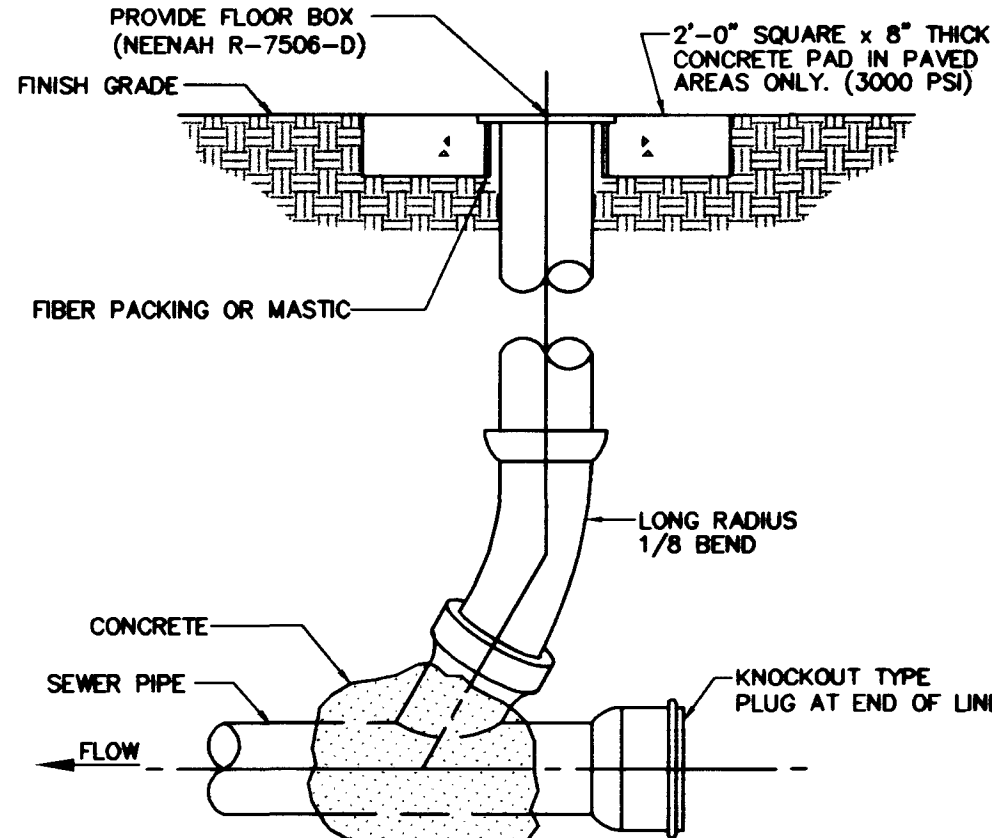
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S). TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULTS FROM THE ADJACENT RIGHT-OF-WAY.

STATIC WATER PRESSURE NOTE

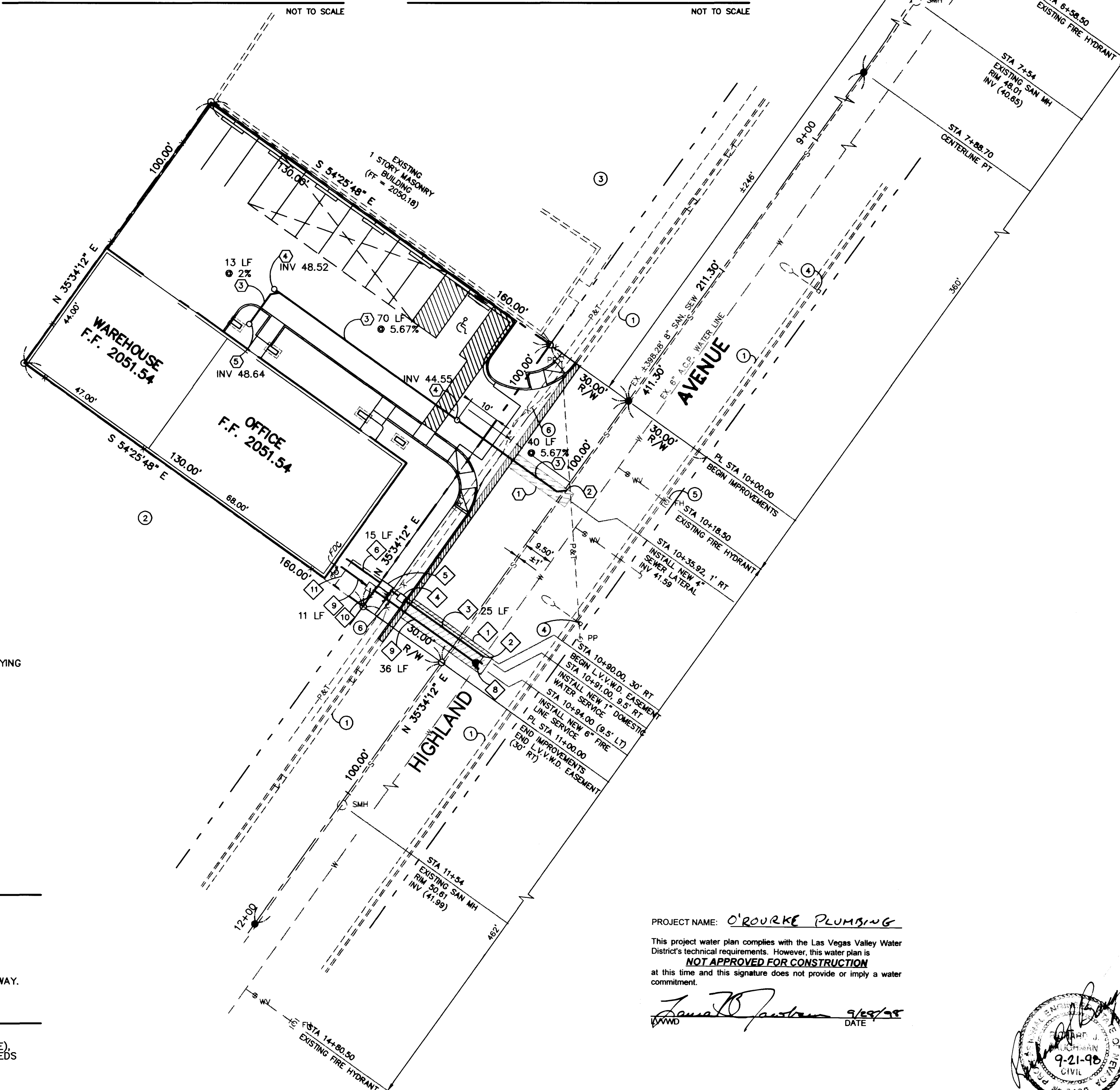
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE) PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.



2 WAY CLEAN OUT DETAIL

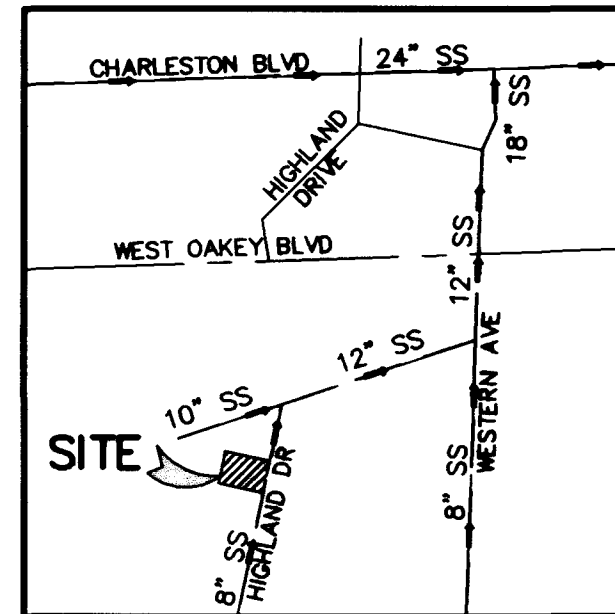
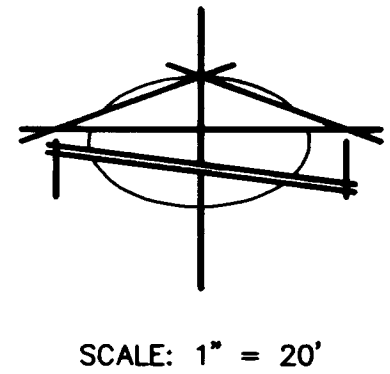
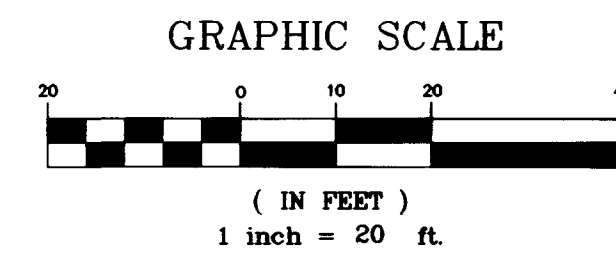


1 WAY CLEAN OUT DETAIL



BASIS OF BEARINGS

N 35°34'12" E - THE CENTERLINE OF HIGHLAND AVENUE AS SHOWN ON PARCEL MAP IN FILE 88, PAGE 54, CLARK COUNTY RECORDS, NEVADA.



LOCATION

12" SEWER DISCHARGES INTO 24" SEWER AT CHARLESTON BLVD AND I-15 OFF RAMP SEE LOCATION MAP

SEWER CONTRIBUTION

AVERAGE FLOW =	0.001 MGD
PEAK FLOW =	0.0035 MGD

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY 1 - 4'

THE DOUBLE CHECK DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE No. 20B.

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 TO THE VAULTS FROM THE ADJACENT RIGHT-OF-WAY.

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW IS 1,500 GPM AT 20 PSI RESIDUAL PRESSURE

BASED ON:	TYPE III-N CONSTRUCTION MATERIALS
SQUARE FOOTAGE:	5,060 SF
AREA BETWEEN 4 HOUR AREA SEPARATION WALLS:	5,060 SF
BUILDING HEIGHT:	20 FEET
NUMBER OF STORIES:	1
OCCUPANCY:	(B) FOR OFFICE, (S-2) FOR WAREHOUSE
FULL AUTOMATIC FIRE SYSTEM:	YES

CONSTRUCTION NOTE:

ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. W, BOX, W/M, ANODE BOX, FH, TEL BOX, ETC.

NOTE:

ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Avoid cutting underground utility lines. If it's only before you dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Avoid overhead power line contact
before you OVERHEAD
1-702-593-6111
TRUCK POWER EQUIPMENT AND SAFETY SERVICES DEPARTMENT

O'ROURKE PLUMBING
1716 S. HIGHLAND
LAS VEGAS, NV 89102
(702) 876-1053

MASTER UTILITY PLAN

SHEET

1-11-98

DESIGNED BY:

12-11-97

CHECKED BY:

PROJECT NO:

4-21-61

SCALE:

1"=20'

SEAL

9-22-98

CIVIL

SHEET

C-6

6 OF 6 SHEETS

DRAWING NO.

ORP_C6A.DWG

BAUGHMAN & TURNER, INC.
CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS
1210 HINSON STREET LAS VEGAS, NEVADA 89102
PHONE: (702) 870-8771 FAX: (702) 878-2695

O'ROURKE PLUMBING
OFFICE/WAREHOUSE
APN: 162-04-301-004

TITLE

1-11-98

DESIGNED BY:

12-11-97

CHECKED BY:

PROJECT NO:

4-21-61

SCALE:

1"=20'

SEAL

9-22-98

CIVIL

SHEET

C-6

6 OF 6 SHEETS

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