

ARCHITECT:
arketset
 2162 Winifred Street
 Simi Valley, Ca. 93063
 (805) 522 3161
 FAX (805) 522 3162

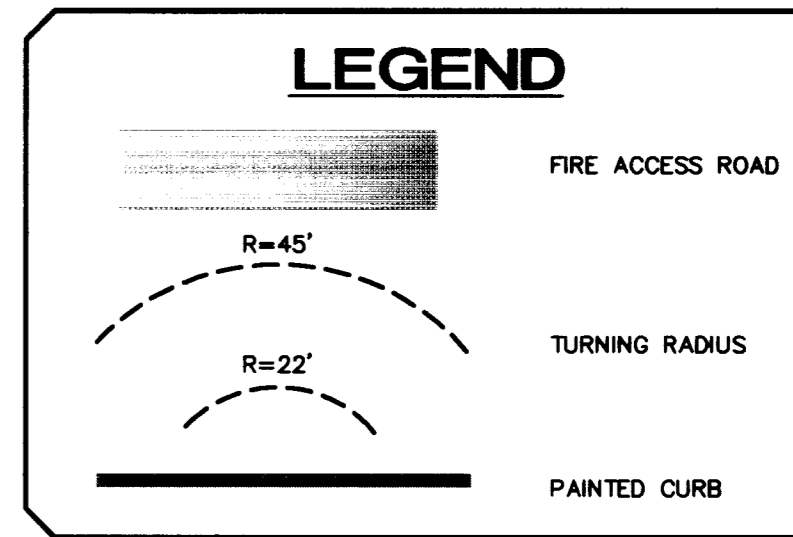
BENCHMARK
 CITY OF LAS VEGAS BENCHMARK NO. 7C1155WS
 RIVET & PLATE IN TOP OF CURB, NE RETURN
 VALLEY VIEW BLVD AND SAHARA AVE.
 ELEVATION=657.6375 METERS (NAVD88) - DATUM USED
 ELEVATION=2157.599 FEET (NAVD88) - DATUM USED

BASIS OF BEARING
 S 01°49'36" E, BEING THE BEARING OF THE WEST LINE OF
 THE NORTHWEST QUARTER (NW 1/4) OF SECTION 8,
 TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS
 VEGAS, CLARK COUNTY, NEVADA, AS DESCRIBED IN A DEED
 ON FILE AT THE CLARK COUNTY RECORDER'S OFFICE IN
 BOOK 745, INST. 704377, RECORDED MAY 31, 1977.

WATER CONSTRUCTION NOTES

	QUANTITIES:
	PRIVATE PUBLIC
1. INSTALL FIRE HYDRANT ASSEMBLY, COMPLETE PER U.D.S. PLATE NO. 7. INSTALL BOLLARDS TO PROTECT ON-SITE HYDRANTS WHERE NEEDED. (MAINTAIN CLEARANCES PER FIRE DEPARTMENT STANDARDS).	4 EA.
2. INSTALL 8" 90° BEND	2 EA.
3. INSTALL 8" TEE	2 EA.
4. INSTALL 12"x8" TAPPING TEE	2 EA.
5. INSTALL 8" TAPPING VALVE	2 EA.
6. INSTALL 8" DOUBLE DOUBLE CHECK DETECTOR ASSEMBLY. (FEBCO MODEL 876 OR APPROVED EQUAL)	2 EA.
7. INSTALL 8" GATE VALVE	4 EA.
8. INSTALL 1" METER PER UDACS PLATE NO. 1D	2 EA.
9. INSTALL 1" R.P.P.A. PER UDACS PLATE NO. 11A.	2 EA.
10. 8" PVC WATER MAIN	1197 LF. 22 LF.

NOTE TO CONTRACTOR:
 QUANTITIES SHOWN ARE APPROXIMATIONS ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.
 (SEE SHEET 2 OF 11 FOR ADDITIONAL SEWER QUANTITIES)
 (SEE SHEET 3 OF 11 FOR ALL UTILITY NOTES)



FIRE FLOW CALCULATIONS

THE FIRE FLOW REQUIREMENT IS: 1,200 GALLONS PER MINUTE
 20 PSI RESIDUAL PRESSURE.

BASED ON:
 SQUARE FOOTAGE: 4,795 SQUARE FEET
 LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A SQUARE FEET
 BUILDING HEIGHT: 30 FEET
 NUMBER OF STORES: 2 FLOORS
 TYPE OF CONSTRUCTION: V-NON RATED
 OCCUPANCY: MULTI-FAMILY
 FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NONE

REVIEWED BY: *[Signature]*
 DATE: 8-27-98

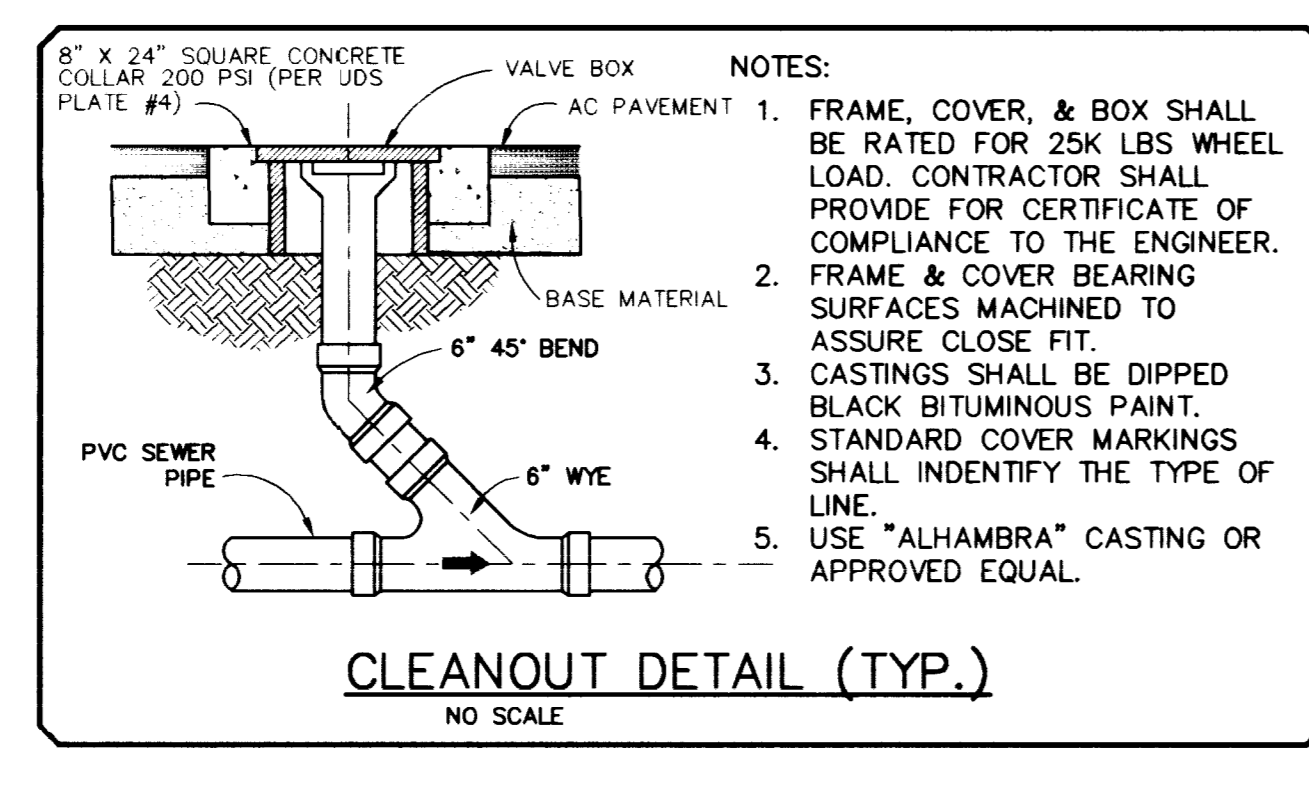
ABANDON VALVE, CUT AND CAP
 ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING COMPRESSION STRENGTH OF AT LEAST 2,000 PSI.
 THE CONTRACTOR SHALL CUT THE EXISTING PIPE 3" BEYOND THE ABANDONED VALVE AND INSTALL A CAP WHERE A CONIT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION. THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH PROVISIONS OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS.

APPROVAL
[Signature] 12/02/99
 LAS VEGAS VALLEY WATER DISTRICT DATE

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND 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. CALL BEFORE YOU DIG: 1-800-227-2600.

Call before you Dig.
 1-800-227-2600
 UNDERGROUND SERVICE (USA)

Call before you OVERHEAD
 1-702-593-6111
 OVERHEAD SERVICE (USA)

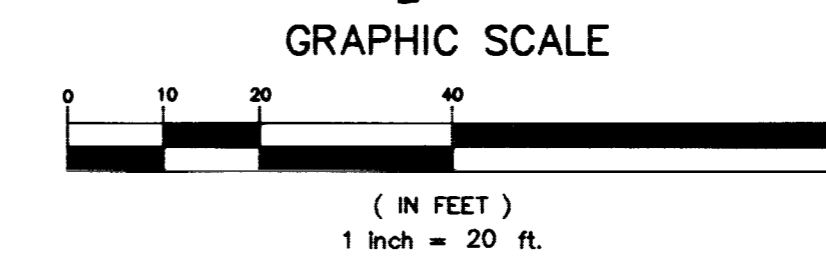


REDUCE PRESSURE PRINCIPLE ASSEMBLY (2) 1"
 APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD.
 ANY 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.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY (2) 8" - "N" SERIES- FEBCO 876 OR EQUAL
 THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 20B.
 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.

NOTE
 APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING APPROVAL FROM THE LVWD.

ENGINEER'S NOTES
 1) CONTRACTOR TO VERIFY LOCATION AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 2) SEE MECHANICAL PLANS FOR LOCATIONS, SIZES AND DEPTHS OF ALL ON-SITE UTILITIES AT THE PROPOSED BUILDINGS.
 3) SEE ELECTRICAL PLAN FOR ON-SITE LIGHTING AND POWER SUPPLY.
 4) SEE LANDSCAPE PLANS FOR ON-SITE IRRIGATION.
 5) NOTIFY ENGINEER FOR ANY DISCREPANCIES IMMEDIATELY.



NO.	DESCRIPTION	DATE	APP'D.
12/6/99	SCALE LOCATIONS		

EL CONLON ASSOC., LLC
 4340 SOUTH VALLEY VIEW BLVD.
 LAS VEGAS, NEVADA, 89103
 (702)871-8280

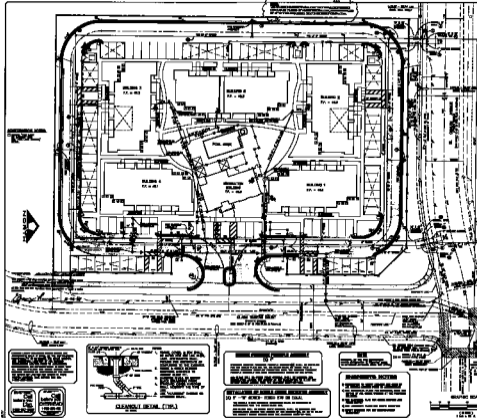
PENTACORE
 CIVIL ENGINEERING - LAND SURVEYING - PLANNING
 CONSTRUCTION MANAGEMENT - ADA CONSULTING
 LAS VEGAS, NEVADA 89102
 (702)258-1015

MASTER UTILITY PLAN
 EL CONLON APARTMENTS

DATE: AUGUST 1998
 PM: D.P.W.
 DRAWN BY:
 DESIGNED BY:
 CHECKED BY:
 ADA CHECKED:
 JOB NO.: 0050.0226
 SCALE: 1" = 20'

PROFESSIONAL ENGINEER
 DENNIS P. WERTZLER
 CIVIL
 1970
 8-25-98

SHEET **4** OF 11
 C.L.V. DWG.# 107-V2899



INDEX
sheetset

REVISIONS
 DATE: 10/10/10
 BY: J. G. [Signature]

DATE OF REVIEW
 DATE: 10/10/10
 BY: J. G. [Signature]

NOTE CONTRACTOR NOTE

1. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
2. ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED.
3. ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED.
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6. ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED.
7. ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED.

REMARKS:
 ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED. ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED. ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED.



PER PLAN CALCULATIONS

TOTAL AREA: 100,000 SQ. FT.
 TOTAL LOT AREA: 100,000 SQ. FT.
 TOTAL BUILDING AREA: 10,000 SQ. FT.
 TOTAL PARKING AREA: 90,000 SQ. FT.
 TOTAL DRIVEWAY AREA: 10,000 SQ. FT.

APPROVED: [Signature]

NOTICE TO CONTRACTOR

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MINIMUM CLEARANCE REQUIREMENTS

ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED. ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED. ALL UTILITIES SHALL BE DEPTH TO CENTERLINE UNLESS OTHERWISE NOTED.

REVISIONS

DATE: 10/10/10
 BY: J. G. [Signature]



APPROVAL

[Signature]

EL. COLON ARCHIT. LLC
 1000 WEST STREET, SUITE 100
 CHARLOTTE, NC 28202
 TEL: 704.333.1111
 FAX: 704.333.1112
 WWW.ELCOLONARCHIT.COM

MARKING SHEET PLAN
 EL. COLON APARTMENTS

DATE: 10/10/10
BY: J. G. [Signature]

SCALE: 1/8" = 1'-0"

SHEET NO. 4