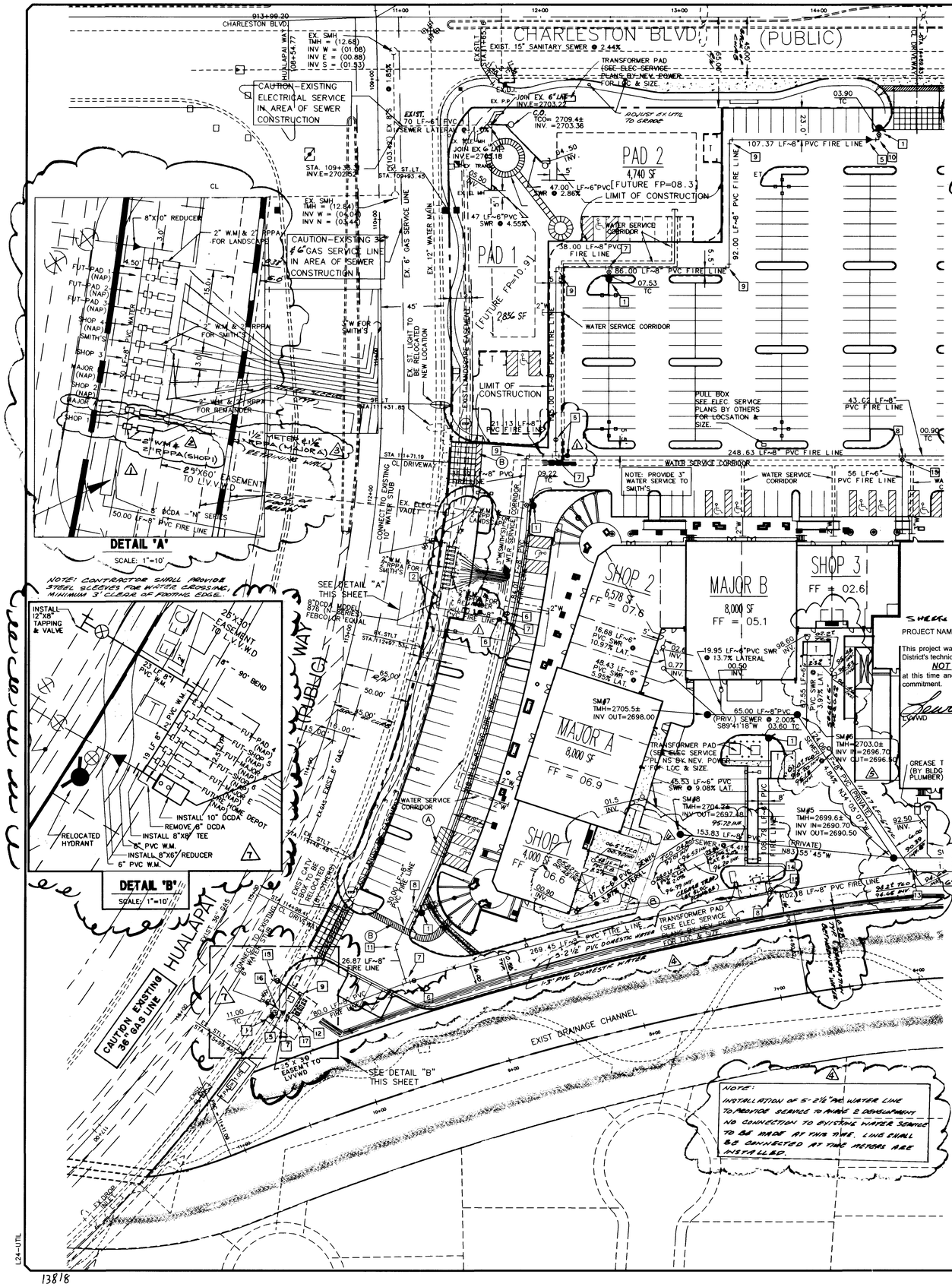


ESTIMATE OF WATER QUANTITIES (PUBLIC)

8" DOUBLE DECTOR CHECK ASSEMBLY ("N" SERIES (FEBCO-876 OR EQUAL)	1 EA
FIRE HYDRANT TO BE RELOCATED	1 EA
8" PVC WATER MAIN	45 LF
2" METER W/RPPA	3 EA
8"X10" REDUCER	6 EA
8"-90° BEND	1 EA
1 1/2" METER W/RPPA	1 EA

NOTE: THESE QUANTITIES ARE ESTIMATES ONLY. CONTRACTOR SHALL VERIFY.

(ADDITIONAL QUANTITIES)

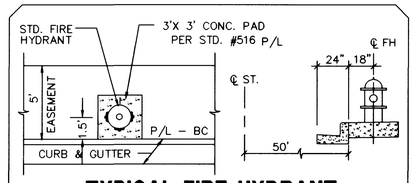
10" DOUBLE DETECTOR CHECK ASSEMBLY ("N" SERIES FEBCO-876 OR EQUAL	1 EA

ESTIMATE OF WATER QUANTITIES (PRIVATE)

8" PVC WATER MAIN	2,784 LF
6" PVC WATER	213 LF
FIRE HYDRANT ASSEMBLY	10 EA
8" GATE VALVE	9 EA
6" GATE VALVE	10 EA
8"X8"X8" TEE	5 EA
8"X8"X6" TEE	8 EA
8"X6" REDUCER	3 EA
8"X10" REDUCER	1 EA
8" 22-1/2' BEND	1 EA
8" 11-1/4' BEND	1 EA
8"-45' BEND	1 EA
8"-90' BEND	6 EA
6" 11-1/4' BEND	1 EA
6"-90' BEND	1 EA
6" X 6" TEE	1 EA
12" x 8" TAP	1 EA

NOTE: THESE QUANTITIES ARE ESTIMATES ONLY. CONTRACTOR SHALL VERIFY AND BID ACCORDINGLY

TYPICAL FIRE HYDRANT LOCATION



REDUCE PRESSURE PRINCIPLE ASSEMBLY (3-2")

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 LVVWD.

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.

BASIS OF BEARINGS

NORTH 89°41'18" EAST, BEING THE BEARING OF THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 60 EAST, MOUNT DIABLO MERIDIAN, AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 76, PAGE 85 OF PARCEL MAPS.

THE ABOVE REFERENCED LINE IS ALSO THE APPROXIMATE CENTERLINE OF CHARLESTON BOULEVARD, DIRECTLY EAST OF HUALAPAI WAY.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK # OLV00 31SSW6, BEING A RIVET AND PLATE IN TOP OF CURB ON CHARLESTON BLVD., 1690' WEST OF GRAND CANYON DRIVE, NORTH CURB LINE AT DROP INLET.

ELEVATION = 874.0618 METERS (NAVD 88)
ELEVATION = 2867.651 U.S. SURVEY FEET (COMPUTED NAVD 88)

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY

(1-8"&1-10") "N" SERIES- FEBCO 876 OR EQUAL

THE DOUBLE CHECK DETECTOR ASSEMBLIES 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.

FITTING LEGEND:

1	FIRE HYDRANT ASSEMBLY
2	8" DCDA
3	6" DCDA
4	10" x 8" REDUCER
5	8" x 6" REDUCER
6	8" GATE VALVE
7	8" TEE
8	8" x 8" x 6" TEE
9	8" - 90° BEND
10	6" - 90° BEND
11	8" - 45° BEND
12	8" - 22 1/2" BEND
13	8" - 11 1/4" BEND
14	6" - 11 1/4" BEND
15	6" GATE VALVE
16	6" X 6" TEE
17	10" DCDA
18	12"X8" TAP

FIRE LANE

RED / BLACK / RED / BLACK

MINIMUM SPECIFICATIONS OF "NO PARKING FIRE LANE SIGN"

SIZE: 1" WIDE X 1 1/2" LONG OR 2" WIDE X 2 1/2" LONG AS REQUIRED
COLOR: RED AND BLACK ON WHITE LUMINOUS BACKGROUND (SEE ABOVE EXAMPLE)
SYMBOL: INTERNATIONAL NO PARKING SYMBOL
HEIGHT: TO BE INSTALLED NOT LESS THAN SEVEN (7) FEET NO MORE THAN TEN (10) FEET FROM GROUND LEVEL

NORTH

GRAPHIC SCALE

0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

FIRE FLOW CALCULATIONS

THE FIRE FLOW REQUIREMENT IS: 3,250 GALLONS PER MINUTE 20 PSI RESIDUAL PRESSURE.

BASED ON:	
SQUARE FOOTAGE:	60,000 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	N/A SQUARE FEET
BUILDING HEIGHT:	25 FEET
NUMBER OF STORIES:	1 FLOORS
TYPE OF CONSTRUCTION:	V-NON RATED
OCCUPANCY:	COMMERCIAL
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	YES

REVIEWED BY: R. Spiller
DATE: 6/5/98

NOTE:

CONTRACTOR TO TAKE DUE PRECAUTION WHEN WITHIN LANDSCAPE EASEMENT DUE TO ELECTRICAL SERVICE ALONG CHARLESTON BLVD. AND HUALAPAI WAY

TRAFFIC AND ST. LIGHT QUANTITIES

STREET LIGHT (PUBLIC) TO BE RELOCATED	1 EA
PARKING LOT LIGHT (PRIVATE)	16 EA
STOP SIGN - R1-1	4 EA

NOTE: STREET LIGHT(S) TO INSTALLED IN ACCORDANCE WITH C.C. AREA STD. DWGS. 320 & 321

FIRE HYDRANT INSTALLATION

FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE NO. 7. ESN.014

LEGEND

EX.18"ACP	EXISTING WATER LINE
8" FIRE	PROPOSED WATER LINE
2 1/2" W	PROPOSED WATER LINE
2" W	PROPOSED WATER LINE
EX.8"SWR	EXISTING SEWER LINE
8" SWR	PROPOSED SEWER LINE
6" SWR	PROPOSED SEWER LINE
4" SWR	PROPOSED SEWER LINE
EX. MH	EXISTING SEWER MANHOLE
MH	PROPOSED SEWER MANHOLE
	PROPOSED SEWER LATERAL
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING STREET LIGHT
A	PASSENGER LOADING AREA
B	HANDICAPPED ACCESS ROUTE
	FIRE LANE (PAINTED RED) NO PARKING

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.

APPROVAL:

LAS VEGAS VALLEY WATER DISTRICT — DATE

CITY OF LAS VEGAS FIRE DEPARTMENT — 6/5/98 DATE

NO.	DESCRIPTION	DATE	APP'D
7	CHANGE 8" DCDA TO 10" DCDA TO PROVIDE FIRE LINE TO PH.2		
6	ADD GREASE TRAP REVISE REAR PROP. LINE	1/28/98	
5	ADD LANDSCAPE AREA REVISE PLANS	1/11/98	
4	ADD 5-2 1/2" & 1-3" PVC DOMESTIC WATER	1/14/97	
3	ADD 1 1/2" W.M. & 1 1/2" RPPA FOR MAJOR "A"	11/29/95	
2	ADD 2" WATER & RPPA FOR SHOP 1	7/14/95	
1	ADD 8" GV NORTH OF SHOP 2. RELOCATE 8" GV. WATER ON WEST & REMOVE REDUNDANT HYDRANT	9/14/94	

PECCOLE NEVADA CORP.
851 SOUTH RAMPART, SUITE 100
LAS VEGAS, NEVADA, 89128
(702)933-1111

PENTACORE
CIVIL ENGINEERING · LAND SURVEYING · PLANNING
CONSTRUCTION MANAGEMENT · ADA CONSULTING
8345 W. SUNset ROAD, SUITE 200
LAS VEGAS, NEVADA 89102 (702)258-0115

MASTER UTILITY PLAN I
PECCOLE RANCH, PHASE II
SMITH'S COMMERCIAL

DATE :	6/3/98
PM :	C. SPITZE
DRAWN BY :	
DESIGNED BY :	
CHECKED BY :	
ADA CHECKED :	
JOB NO. :	0145.0033
SCALE :	1"=40'

REGISTERED PROFESSIONAL ENGINEER — DENNIS P. WERTZLER — CIVIL — No.11970 — STATE OF NEVADA — 6-19-98

SHEET 4 OF 12

C.L.V. DWG.# 107-V2960

13818 9651 S

Q:\0145\0033\CIVIL PLANS\L24-util.dwg Thu Jun 04 17:05:27 1998 Dwayne A

CHARLESTON BLVD. (PUBLIC)

PAD 2

PAD 1

SEE SHEET 5

MAJOR B

SHOP 3

SHOP 2

MAJOR A

SHOP 1

HALLWAY

FIRE LANE

ESTIMATE OF WATER QUANTITIES (PUBLIC)

ESTIMATE OF WATER QUANTITIES (PRIVATE)

TYPICAL FIRE HYDRANT LOCATION

FIRE FLOW CALCULATIONS

NOTE

TRAFFIC AND SIGNAL LIGHT QUANTITIES

FIRE HYDRANT INSTALLATION

LEGEND

NOTE

NORTH

GRAPHIC SCALE

APPROVAL:

LAS VEGAS VALLEY WATER DISTRICT — DATE

CITY OF LAS VEGAS FIRE DEPARTMENT — DATE

PECOLLE NEVADA CORP.

MASTER UTILITY PLAN I

PECOLLE RANCH, PHASE II

SMITH'S COMMERCIAL

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