

LEGEND

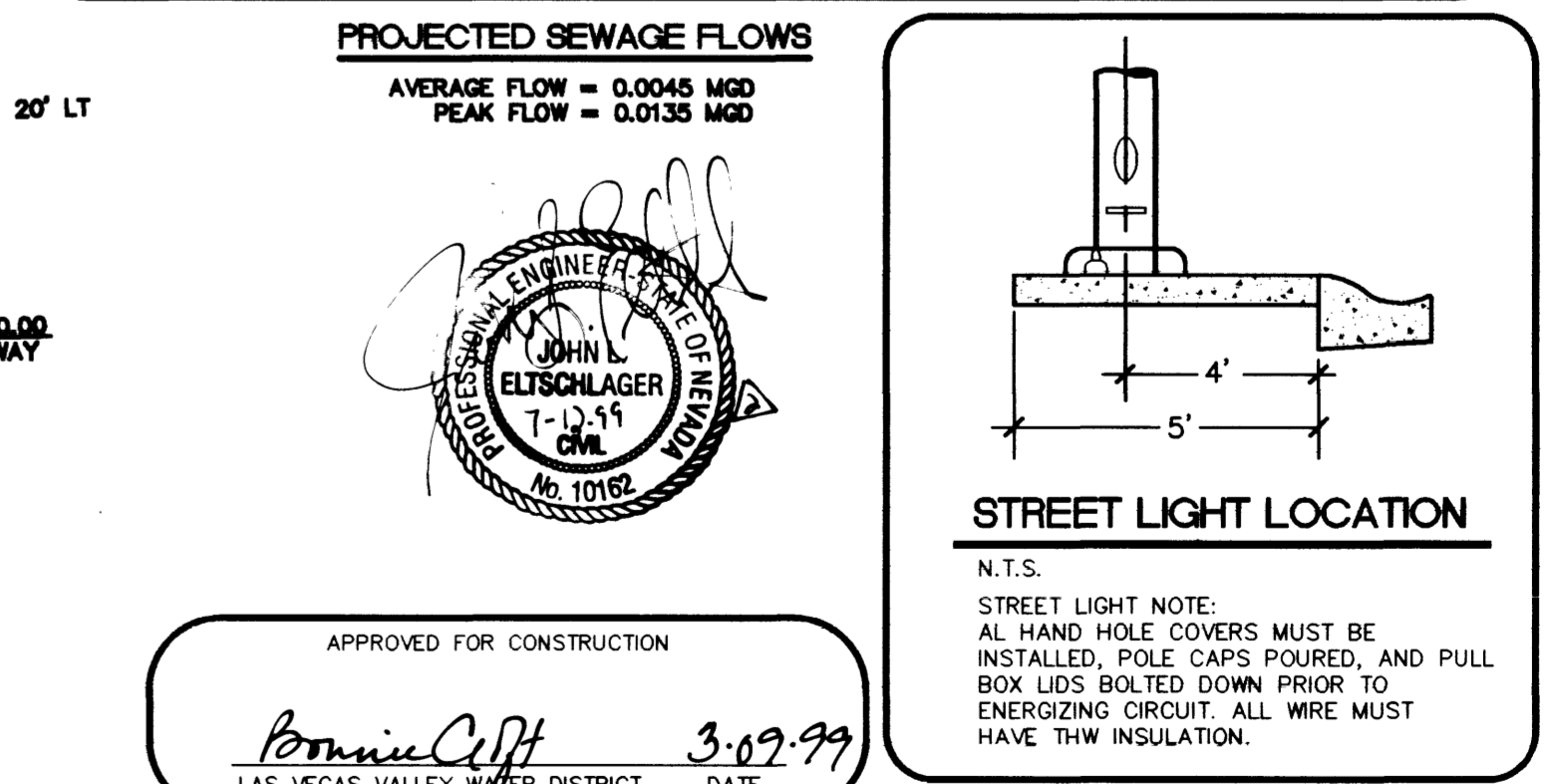
---	W/L	WATERLINE (EXISTING)
---	W/L	WATERLINE (PROPOSED)
---	SS	SEWERLINE (EXISTING)
---	SS	SEWERLINE (PROPOSED)
---	---	MATCH LINE
---	---	WATER VALVE 8" / 12"
---	---	S.S. BACKWATER VALVE
---	---	SEWER LATERAL (4" DIA.)
---	---	SEWER MANHOLE (48")
---	---	FIRE HYDRANT ASSEMBLY (INCLUDES TEE & GATE VALVE)
---	---	BLOW-OFF ASSEMBLY
---	---	1" WATER LATERAL W/ 3/4" METER
---	---	PROP. STREET LIGHT
---	---	DRIVEWAY LOCATION - (TYP.)
---	---	BLOCK WALL
---	---	RETAINING WALL
---	---	FIRE LANE, CLVD CRITERIA INSTALL "NO PARKING, FIRE LANE" SIGNS
---	---	CURBS TO BE PAINTED RED

QUANTITIES (PUBLIC)

ITEM	WATER	ITEM	STREETS	
1.	1" WATER METER	1 EA	1 3" A.C. PAVEMENT	2900 SY
2.	1" WATER SERVICE	18 EA	2 4" A.C. PAVEMENT	5600 SY
3.	3/4" WATER METERS	18 EA	3. CURB AND GUTTER (TYPE L & A)	1763 LF
4.	FIRE HYDRANT ASSY. W/GV	4 EA	4. TYPE I AGGREGATE BASE	944 CY
5.	8" GV	3 EA	5. TYPE II AGGREGATE BASE	2124 CY
6.	12" PVC WATERLINE	1794 LF*	6. SIDEWALK 4"	8815 SF
7.	8" PVC WATERLINE	260 LF	7. CONCRETE VALLEY GUTTER	320 SF
8.	6" PVC WATERLINE	279 LF		
9.	1" RPPA	1 EA		
10.	12"x8" TEE	2 EA*		
11.	12" 90° BEND	1 EA*		
12.	12"x12" TEE	1 EA*		
13.	12" GV	4 EA*		
14.	1" IRR. WATER SERVICE (COPPER)	1 EA		
15.	12"x8" REDUCER	2 EA*		
16.	8"x6" REDUCER	2 EA		
17.	2" BLOWOFF ASSY.	3 EA		

ITEM	SEWER	
1.	8" PVC SANITARY SEWER	597 LF
2.	48" DIA. SS MANHOLES	7 EA
3.	SS MANHOLES OVER 6'	2 EA

NOTE: QUANTITIES SHOWN ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE EXACT QUANTITIES FOR BIDDING PURPOSES.



LAS VEGAS FIRE DEPT.
FIRE FLOW IS: 1500 GPM @ 20 PSI RESIDUAL PRESSURE (MIN.)
BASED ON:
SQUARE FOOTAGE: N/A
LARGEST AREA BETWEEN 4-HR AREA: N/A
SEPARATION WALLS: N/A
BUILDING HEIGHT: 2 STORY (MAX)
NUMBER OF STORES: 2 MAX
OCCUPANCY: SINGLE FAMILY RESIDENTIAL
FULL AUTOMATIC FIRE SYSTEM: NONE

PROJECT BENCHMARK

CITY LAS VEGAS BENCHMARK #48
ST. 1L9022W6, RIVET & PLATE ON POWER - TRANS PAD 500' EAST OF BUFFALO DR. @ 7535 W. DEER SPRINGS RD.
ELEV. = 227.8646 M. (NAVD 88)
ELEV. = 2385.6000 FT.

- ### CONSTRUCTION NOTES
- 200 AMP 240V PAD MOUNT SERVICE WITH
2 2 POLE 60 AMP C.B
1 POLE 15 AMP C.B.
1 POLE 40 AMP C.B.
1 POLE 60 AMP C.B.
2 POLE 60 AMP CONTACTORS
1 BYPASS SWITCH PER CONTACTOR (W/PHOTOSWITCH)
 - INSTALL "L" FOUNDATION WITH XXX POLE. 400 WATT LUMINAIRE WITH 40 AMP SINGLE POLE BREAKER (TIE INTO #7 PULLBOX WITH 3" CONDUIT)
 - INTERCONNECT PB, TIE TO #7 TRAFFIC SIGNAL PULLBOX W/ 1-3" CONDUIT
 - #5 ST. LT. PULLBOX CONNECT TO SERVICE POINT W/ 2-2" CONDUIT
 - HANDCAP RAMP PER CCA STD. DWG. 235, CASE II A=5" B=8" 127.5 LF 24" CLASS II RCP @ 0.5%
 - TRAFFIC SIGNAL (TRAFFIC SIGNAL)
 - DEVELOPER TO COORDINATE W/UTILITY FOR RELOCATION OF EXIST. POWER POLES IF IN SIDEWALK PROVIDE MIN. CLEARANCE OF 3.5'
 - 2" ST. LT. CONDUIT, STUB & CAP
 - 1-3" INTERCONNECT CONDUIT
 - STUB & CAP 2-3" 5' PAST CONSTRUCTION (TRAFFIC SIGNAL)
 - 2-3" TRAFFIC SIGNAL CONDUIT

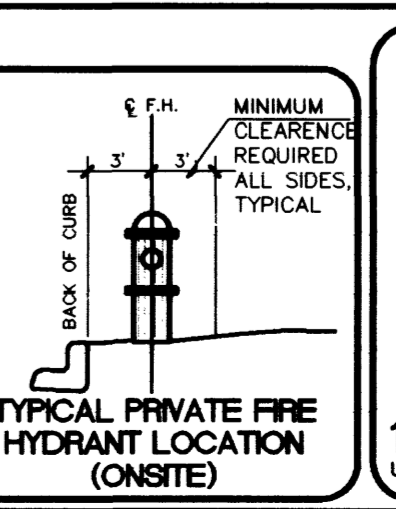
- ### IRRIGATION SLEEVE NOTE
- SLEEVES & CONDUITS SHALL BE INSTALLED 18" MIN. BELOW FINISH GRADE (MIN.) & EXTEND BEYOND BACK OF CURBS.
 - HORIZONTAL LOCATION OF SLEEVES AS SHOWN ON PLANS (THIS SHT.)
 - BACKFILL PVC SLEEVE @ 95% MIN. COMPACTION TYPE II AGGREGATE. BASE OR SAND BACKFILL.
 - USE SCH. 40 PVC PIPE FOR SLEEVE.

NOTE

TRAFFIC LUMINAIRES ARE TO BE WIRED CONTINUOUSLY TO METER PEDESTAL USING 2-#10 STR. & 1-#8 GREEN T.H.W. WIRE. 10' OF SLACK SHALL BE LEFT IN POLE. EACH LUMINAIRE SHALL BE FUSED INDIVIDUALLY W/ A 10 AMP FUSE IN BOTTOM OF METER PEDESTAL.

NOTE

CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.



APPROVED FOR CONSTRUCTION
Bonnie Cift 3-09-99
LAS VEGAS VALLEY WATER DISTRICT DATE

AVOID CUTTING UNDERGROUND UTILITIES. IT'S COSTLY.

AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY.

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

Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT