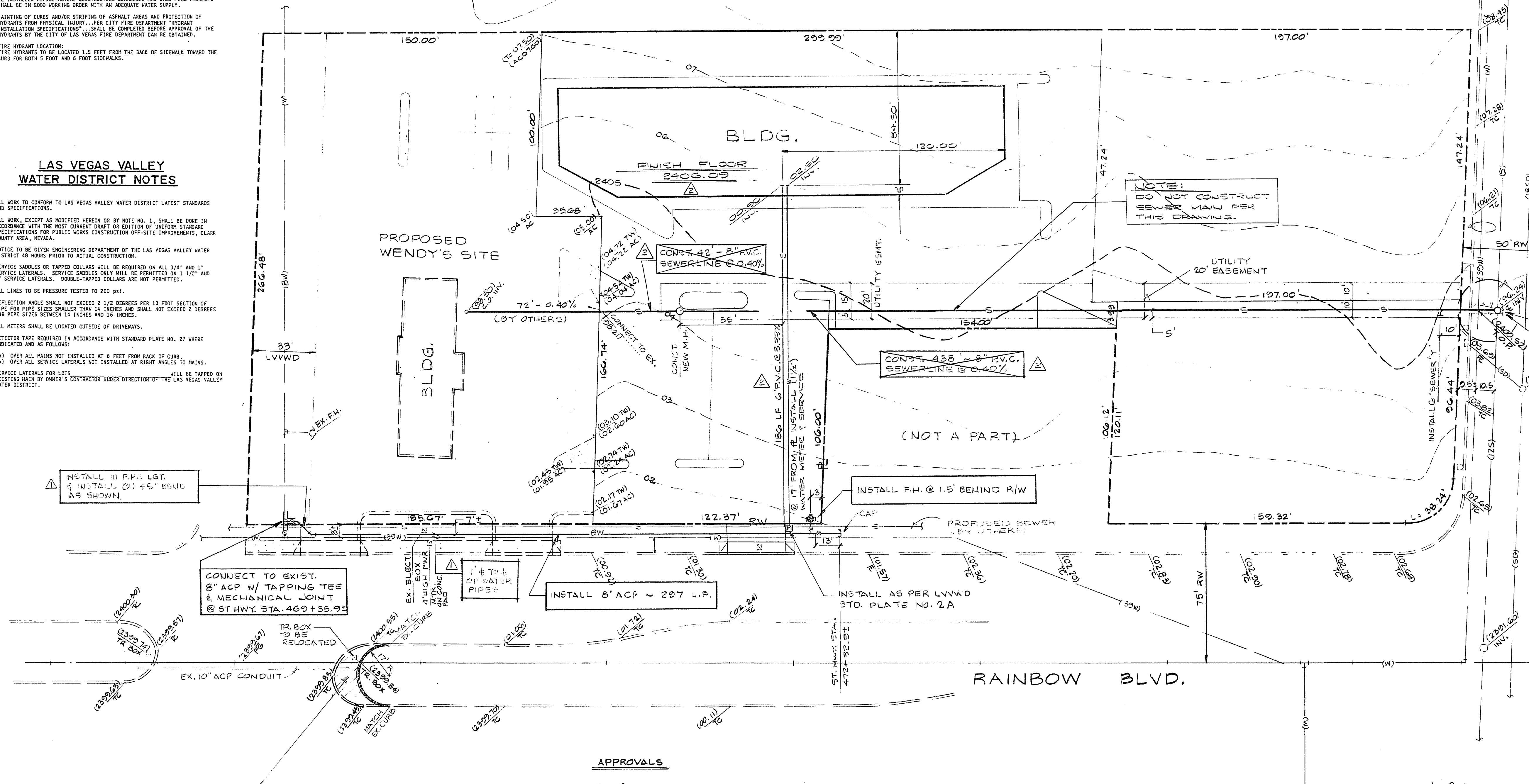
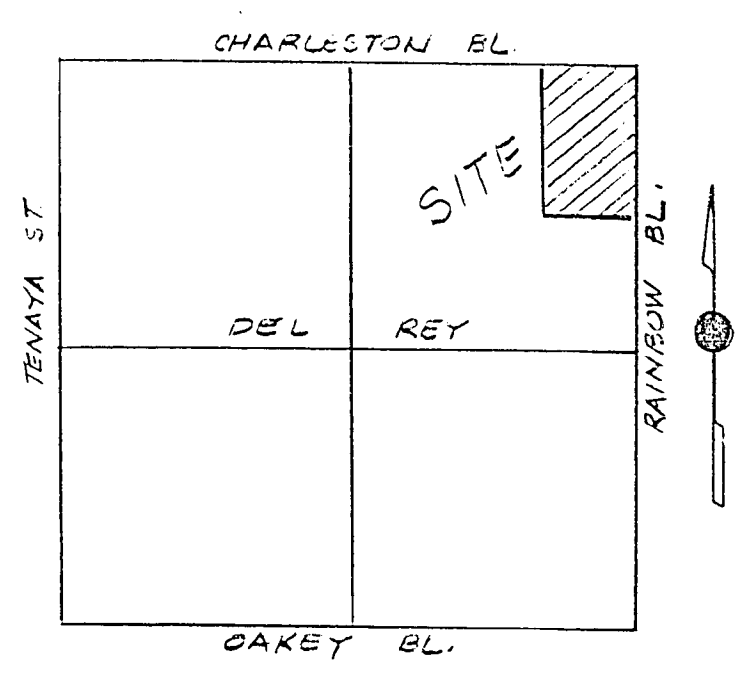
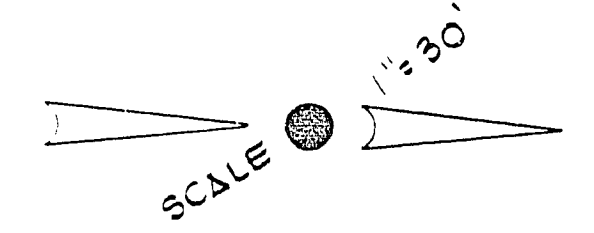


FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS STANDARD SPECIFICATIONS, AND THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS" AND "HYDRANT INSTALLATION SPECIFICATIONS".
2. ON ANY NEW HOME OR BUILDING CONSTRUCTION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE ACTUAL CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
3. PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY... PER CITY FIRE DEPARTMENT "HYDRANT INSTALLATION SPECIFICATIONS"... SHALL BE COMPLETED BEFORE APPROVAL OF THE HYDRANTS BY THE CITY OF LAS VEGAS FIRE DEPARTMENT CAN BE OBTAINED.
4. FIRE HYDRANT LOCATION: FIRE HYDRANTS TO BE LOCATED 1.5 FEET FROM THE BACK OF SIDEWALK TOWARD THE CURB FOR BOTH 5 FOOT AND 6 FOOT SIDEWALKS.

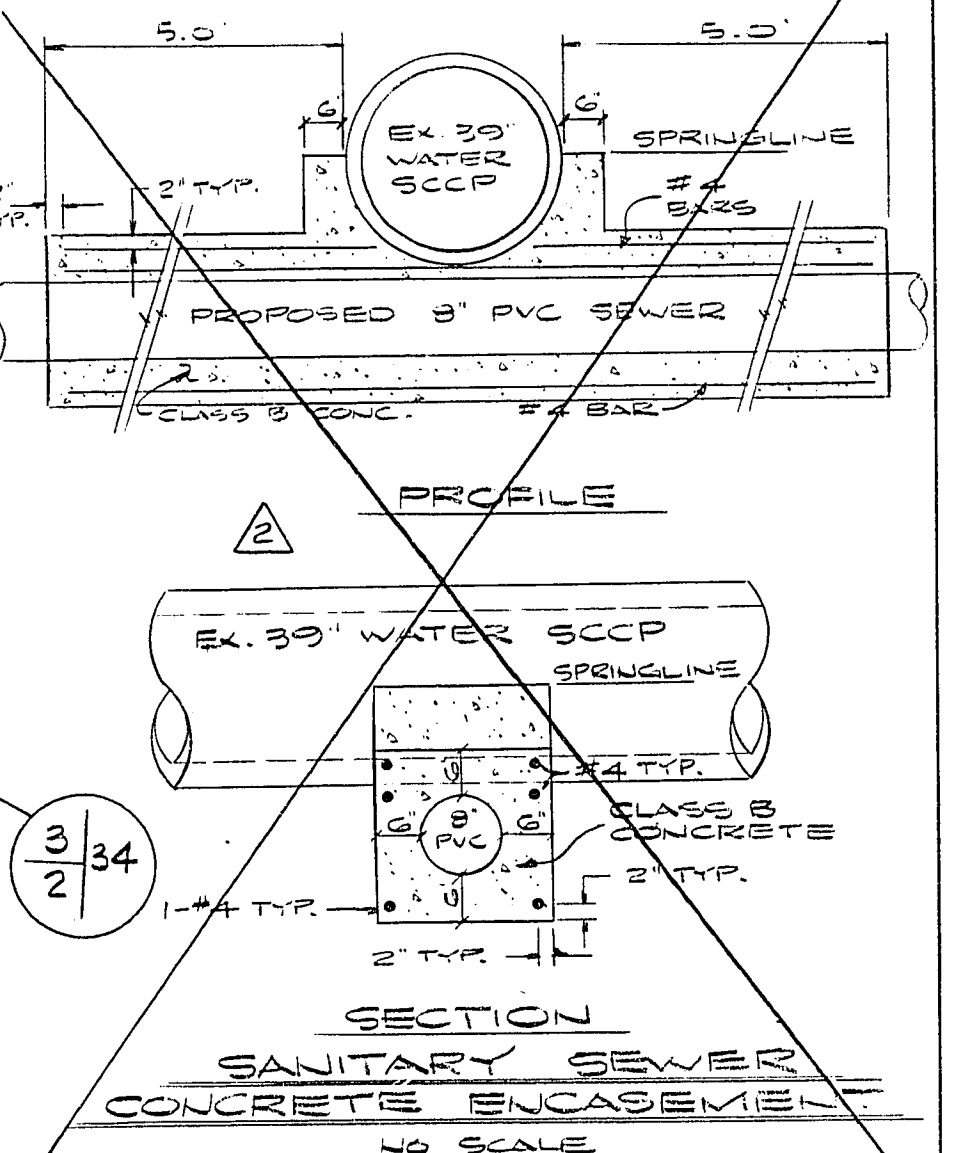
LAS VEGAS VALLEY WATER DISTRICT NOTES

1. ALL WORK TO CONFORM TO LAS VEGAS VALLEY WATER DISTRICT LATEST STANDARDS AND SPECIFICATIONS.
2. ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE NO. 1, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT EDITION OR EDITION OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA.
3. NOTICE TO BE GIVEN ENGINEERING DEPARTMENT OF THE LAS VEGAS VALLEY WATER DISTRICT 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
4. SERVICE SADDLES OR TAPPED COLLARS WILL BE REQUIRED ON ALL 3/4" AND 1" SERVICE LATERALS. SERVICE SADDLES ONLY WILL BE PERMITTED ON 1 1/2" AND 2" SERVICE LATERALS. DOUBLE-TAPPED COLLARS ARE NOT PERMITTED.
5. ALL LINES TO BE PRESSURE TESTED TO 200 PSI.
6. DEFLECTION ANGLE SHALL NOT EXCEED 1/2 DEGREE PER 13 FOOT SECTION OF PIPE FOR PIPE SIZES SMALLER THAN 24 INCHES AND SHALL NOT EXCEED 2 DEGREES FOR PIPE SIZES BETWEEN 24 INCHES AND 36 INCHES.
7. ALL METERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS.
8. DETECTOR TAP REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WHERE INDICATED AND AS FOLLOWS:
  - (a) OVER ALL MAINS NOT INSTALLED AT 6 FEET FROM BACK OF CURB.
  - (b) OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAINS.
9. SERVICE LATERALS FOR LOTS WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LAS VEGAS VALLEY WATER DISTRICT.



NOTE:  
DO NOT CONSTRUCT  
SEWER MAIN PER  
THIS DRAWING.

BREAK INTO EXIST. 12" SEWER  
WITH LONG MANHOLE &  
INVERT SHOWN.  
SAWCUT & REPLACE A.C. PVMT,  
AS REQUIRED.



REMOVE EX. CURB & RECONSTRUCT NEW CURB  
(TYPE 3 PER STATE HWY. STD.) @ 12" NORTH  
OF ORIGINAL LOCATION. SCARIFY, RECOMPACT  
& CLEAN AREA OF DEBRIS, AND CONSTRUCT  
5" A.C. PAVEMENT OVER 4" TYPE II G. BASE  
N.D.O.T. PERMIT REQ'D.

**APPROVALS**

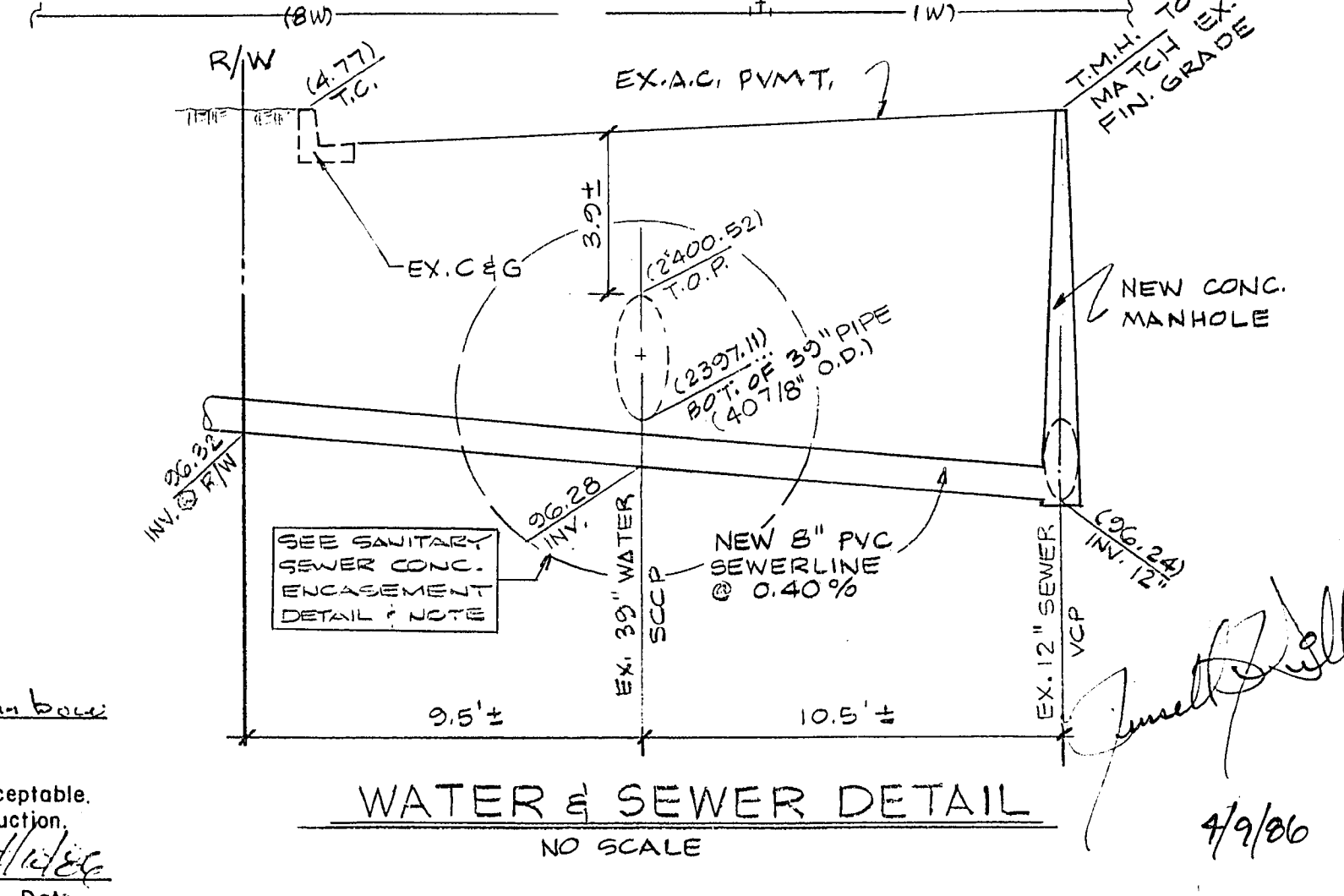
<u>Michael P. Reago</u> L.V.V.W.D.	5/12/86
<u>N/A</u>	DATE
<u>Chris Humboldt</u> C.L.V. QUALITY CONTROL ENGINEER	DATE
<u>Raymond R. Peeples</u> C.L.V. CITY ENGINEER	DATE
<u>R. H. Carter</u> C.L.V. FIRE MARSHALL	5/25/86 DATE
<u>J. E. Carter</u> C.L.V. SANITATION SUPERINTENDENT	4/17/86 DATE
<u>J. E. Carter</u> C.L.V. TRAFFIC ENGINEER	DATE

**QUANTITY ESTIMATES**

SEWER	
ECC. CONCRETE MANHOLE.....	2 EACH
8" PVC SEWERLINE.....	438 L.F.
8" PVC SEWERLINE (LATERAL).....	42 L.F.
6" PVC SEWERLINE (LATERAL).....	55 L.F.
6" SEWER "ONLY".....	1 EACH
WATER	
FIRE HYDRANT & APP.....	1 EACH
8" ACP WATERLINE.....	297 L.F.
MECHANICAL JOINT & APP.....	1 EACH
1 1/2" WATER METER & SERVICE.....	1 EACH
45° BEND.....	2 EACH

**LEGEND**

—○—	EXISTING SEWER MANHOLE (SIZE SHOWN)
—(SD)—	EXISTING STORM DRAIN (SIZE SHOWN)
—(W)—	EXISTING WATERLINE (SIZE SHOWN)
—△—	EXISTING FIRE HYDRANT
( )	EXISTING ELEVATION
—□—	PROPOSED WATER METER
—△—	PROPOSED FIRE HYDRANT
—W—	PROPOSED WATERLINE (SIZE SHOWN)
—S—	PROPOSED SEWERLINE (SIZE SHOWN)
—○—	PROPOSED SEWER MANHOLE
—○—	PROPOSED SEWER CLEAN-OUT
—⊗—	PROPOSED GATE VALVE
—⊗—	EXISTING GATE VALVE



NOTE:  
CONTRACTOR SHALL CALL FOR INSPECTION BY  
C.L.V. BEFORE BACKFILL TO CHECK SLOPE, CLEARANCE  
AND CONNECTION TO MAIN TO VERIFY CONST. PER PLAN.

REV. NO.	DESCRIPTION	BY	APPROVAL	DATE
1	REVISED SEWER CONNECTION LOCATION AS SHOWN	JEP	RRS	4/9/86
2	REVISED WATERLINE LOCATION	JP		

**CHARLESTON BL. & RAINBOW BL. SHOPPING CENTER**  
CITY OF LAS VEGAS, NEV.  
WATER, SEWER & MEDIAN RELOCATION

**ALCA ENGINEERING & SURVEYING INC.**  
CIVIL ENGINEERING — SURVEYING  
2765 SOUTH HIGHLAND DRIVE • SUITE NO. 103  
LAS VEGAS, NEVADA 89109 • (702) 732-2105

SCALE (H) 1" = 30'    SCALE (V) —    JOB NO. 7806-3-17  
DES. DR. J.P.P.    SHEET 2 OF 2  
SECTION 3 T.O.S. R.G.O.E.

73-1-188 307-V594