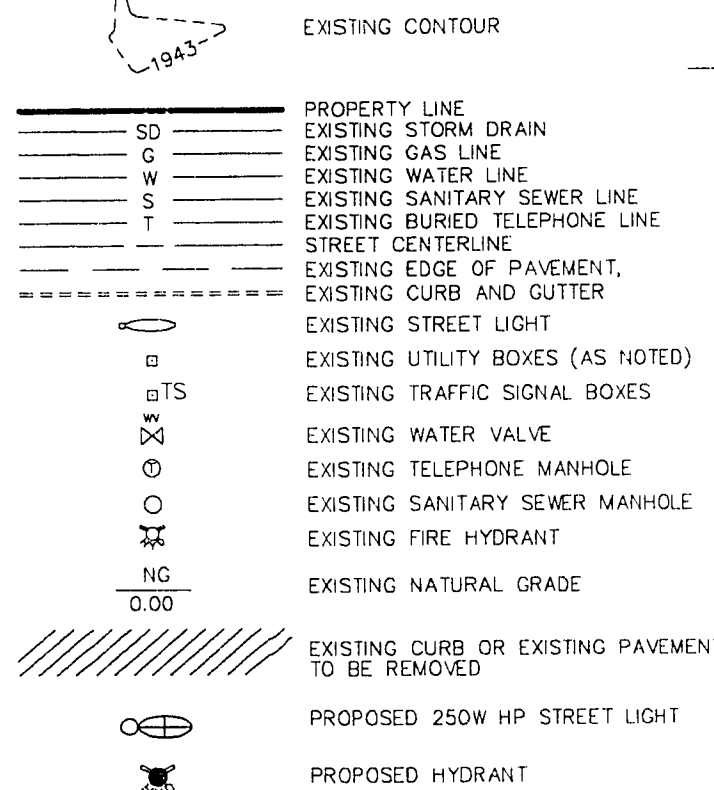


NOTE A:

CONTRACTOR TO VERIFY DEPTH OF EXISTING WATER MAIN PRIOR TO CONSTRUCTING SANITARY SEWER SERVICE. IF MINIMUM SEPARATION CANNOT BE MAINTAINED AT CROSSINGS, ENCASE SANITARY SEWER PIPE PER CLARK COUNTY STANDARDS.

LEGEND



CITY OF LAS VEGAS
FIRE DEPT. NOTES

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE #3677.
- AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
A. KENNEDY GUARDIAN
B. MUELLER 4-423 CENTURIAN
C. CLOW MODEL 2546 MEDALLION
- ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
- CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE #3677 TO IDENTIFY FIRE HYDRANT LOCATIONS.
- CALL THE LAS VEGAS BUILDING DEPARTMENT AT 229-2071 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING
- PAINTING OF THE CURBS AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE #3677 SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
- A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANT. THE PERMIT AND CONTRACTORS MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER PRIOR TO ANY WORK BEGINNING.
- A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
- ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND A.W.W.A. APPROVED.
- FIRE HYDRANT SPACING:
RESIDENTIAL - 500 FEET UNSPRINKLERED, 600 FEET SPRINKLERED
COMMERCIAL, INCLUDING MULTI-FAMILY - 300 FEET UNSPRINKLERED, 400 FEET SPRINKLERED.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
- NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
- THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE SHALL BE NOT LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.
- A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. (SEE EXCEPTIONS UPC 88, SECTION 10.207).
- ALL DEAD END FIRE HYDRANTS APPARATUS ACCESS ROADS AND/OR FIRE LANES PUBLIC OR PRIVATE IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND AREA. SEE ORDINANCE #3677.

NOTES:

ALL UTILITIES SHOWN ARE BELIEVED TO BE ACCURATELY LOCATED, BUT THE ACCURACY AND COMPLETENESS OF UTILITY INFORMATION IS NOT GUARANTEED. FOR EXACT LOCATION OF ANY UTILITY SEE THE APPROPRIATE UTILITY OR GOVERNMENTAL AGENCY.

AVOID CUTTING UTILITY LINES
IT'S COSTLY
CALL before you DIG.
1-800-227-2600

WATER MAIN QUANTITIES PRIVATE

1" SERVICE LINES 142 L.F.
1" SHUT-OFF VALVE 1 EA.

SANITARY SEWER QUANTITIES PRIVATE

6" SANITARY SEWER 107 L.F.
500 GALLON GREASE INTERCEPTOR 1 EA.
6" CLEANOUT 2 EA.

WATER MAIN QUANTITIES PUBLIC

HYDRANT ASSEMBLY 1 EA.
RELOCATE 1" METER 1 EA.
6" TAPPING TEE & VALVE (WET TAP) 1 EA.
6" WATERLINE 10 L.F.
DOMESTIC SERVICE ABANDONMENT 2 EA.

SANITARY SEWER QUANTITIES PUBLIC

6" SANITARY SEWER LINE 30 L.F.
6" DEEP LATERAL CONNECTION 1 EA.

CITY OF LAS VEGAS STREET LIGHT NOTES

- ALL STREET LIGHTING INSTALLATIONS SHALL CONFORM TO THE LATEST ISSUE OF THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, 1986 UNLESS OTHERWISE NOTED.
- SEE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION CITY OF LAS VEGAS DRAWING #318.

ABANDONMENT OF EXISTING SERVICE(S) 2" AND SMALLER

EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAIN SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN. THE LATERAL CUT 6" DOWNSTREAM FROM THE CORPORATION STOP AND AGAIN CUT 6" DOWNSTREAM FROM THE FIRST CUT SO THAT A 6" PIECE OF THE EXISTING SERVICE LATERAL IS REMOVED. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD CUSTOMER SERVICE (PHONE 870-4194) FOR FURTHER DIRECTION. -ONE TO BE RELOCATED, THE OTHER TO BE ABANDONED.

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1671 GAL PER MIN. AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON:
SQUARE FOOTAGE 4,422 S.F.
LARGEST AREA BETWEEN AREA SEPARATION WALLS 4,422 S.F.
HEIGHT 17'-0"
TYPE OF CONSTRUCTION TYPE V-N
EXPOSURES STUCCO
SPRINKLER SYSTEM NO
OCCUPANCY B-2
ROOF CONSTRUCTION "CLASS B" BUILT-UP ROOF/TILE
REVIEWED BY: J. Spaul
DATE: 12/28/93

SANITARY SEWER

AVERAGE FLOW = 3.19 G.P.M.
PEAK FLOW = 9.57 G.P.M.

RELOCATION OF EXISTING SERVICE

ALL EXISTING SERVICE LATERALS THAT ARE BEING RELOCATED MUST BE DISCONNECTED FROM THE EXISTING PIPELINE AND RECONNECTED AT THE NEW LOCATION. THE CONTRACTOR SHALL FIRST NOTIFY THE INSPECTION DIVISION AT THE LVVWD (PHONE 702-258-3227) 48 HOURS PRIOR TO THE REQUESTED RELOCATION TO ALLOW THE DISTRICT TO TAKE A FINAL METER READING AT THE OLD LOCATION. THE CONTRACTOR MAY THEN BEGIN THE RELOCATION.

TO DISCONNECT A SERVICE FROM AN EXISTING PIPELINE, THE CONTRACTOR MUST LOCATE THE CORPORATION STOP AND TURN IT OFF AT THE PIPELINE FROM WHICH THE SERVICE LATERAL IS BEING DISCONNECTED. THE EXISTING SERVICE LATERAL THAT IS TO BE DISCONNECTED SHALL BE CUT 6" DOWNSTREAM FROM THE CORPORATION STOP AND AGAIN CUT 6" DOWNSTREAM SO THAT A 6" PIECE OF THE EXISTING SERVICE LATERAL IS REMOVED. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING PIPELINE BY THE CONTRACTOR, THE PIPELINE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY THE LVVWD, WHO SHALL DETERMINE IF THE REPLACEMENT OF THE CORPORATION STOP SHOULD BE AT THE DISTRICT'S EXPENSE OR THE CONTRACTOR'S EXPENSE. THE SERVICE SHALL BE INSTALLED AT THE NEW LOCATION PER DISTRICT STANDARD PLATE 1, 1A, 2 OR 2A, AS REQUIRED.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 7000-2354 A RIVET AND PLATE IN THE TOP OF CURB, AT THE NORTHWEST RETURN OF VEGAS DRIVE AND BARREL CAUSTIC DRIVE.
ELEVATION: 2313.178'

BASIS OF BEARING

THE BASIS OF BEARING IS THE NORTH LINE OF SECTION 2600S AS SHOWN ON A MAP ON FILE IN FILE 71, PAGE 54 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

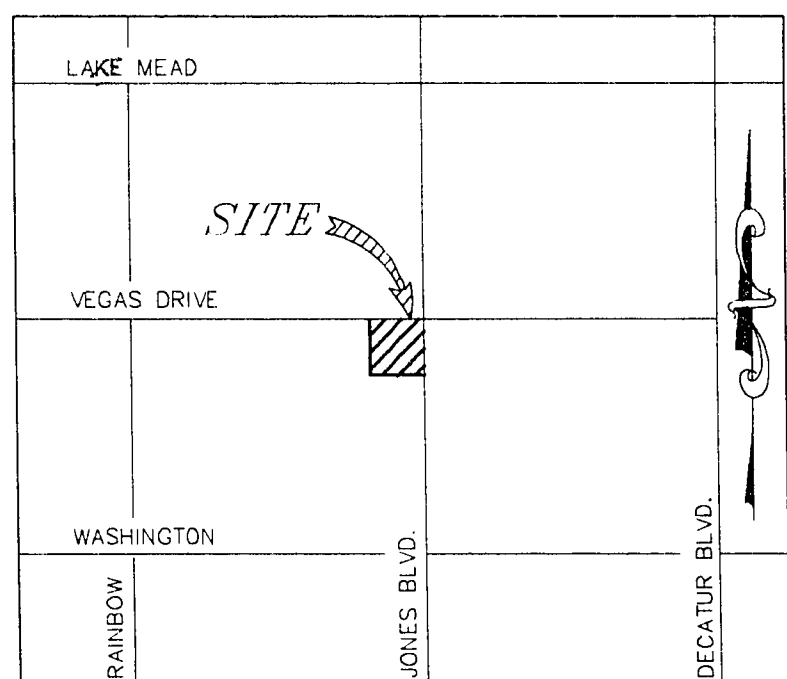
NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED

AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY.

GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.



VICINITY MAP
N.T.S.

CITY OF LAS VEGAS SEWER NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN & CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IN ALL CASES, THESE STANDARDS SHALL SUPERSEDE THE UNIFORM STANDARD SPECIFICATIONS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATION BOOKS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLAN. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CONTROLLING AGENCY.
- CHISEL "S" OR "C" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER CURB.
- POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, AND INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II GRAVEL.
- ALL MANHOLES IN PAVED STREETS 80 FT. R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
- TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12 IN. DIA. SIZE. CONNECTIONS TO 15 IN. OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
- A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18 IN. UNDER A WATER MAIN MUST BE REINFORCED CONCRETE ENCASED PIPE FOR A DISTANCE OF NOT LESS THAN TEN FEET (10') ON EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.
- ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE CLASS "A" CONTRACTORS.
- THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (1/10) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED AND REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY.

LAS VEGAS VALLEY WATER DISTRICT NOTES

- NO WORK SHALL BEGIN ON WATER PLANS UNTIL THEY HAVE BEEN RELEASED FOR CONSTRUCTION BY LVVWD. FOLLOWING APPROVAL OF THE PLANS, NOTICE MUST BE GIVEN TO THE LVVWD CUSTOMER SERVICE DEPARTMENT (870-4194) 48 HOURS PRIOR TO ACTUAL CONSTRUCTION AND 24 HOURS PRIOR TO AN INSPECTION.
- CALL BEFORE YOU DIG 1-800-227-2600
- ALL WORK SHALL CONFORM TO LVVWD LATEST STANDARD PLATES DRAWINGS, AND SPECIFICATIONS.
- ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE 3, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR ADDITION OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENT, CLARK COUNTY AREA.
- DISTRICT APPROVED SERVICE SADDLES OR TAPPED COLLARS WILL BE REQUIRED ON ALL 3/4" AND 1" SERVICE LATERALS. SERVICE SADDLES ONLY SHALL BE PERMITTED ON 1-1/2" AND 2" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
- COPPER SERVICE LATERALS: ALL 3/4" TO 2" SERVICE LATERALS SHALL BE OF COPPER TUBING IN ACCORDANCE WITH THE DISTRICT SPECIFICATION TITLED "3502 - COPPER WATER TUBING".
THE MAXIMUM ALLOWABLE JOINT DEFLECTION FOR ACP AND DUCTILE IRON PIPE SHALL BE AS FOLLOWS:

PIPE SIZES	ACP	DUCTILE IRON SLIP JOINT	DUCTILE IRON MECHANICAL JOINT
6 - 12 INCH	2.5 DEG.	2.5 DEG.	3.5 DEG.
14 - 16 INCH	2.5 DEG.	2.5 DEG.	2.5 DEG.
18 - 24 INCH	2 DEG.	1.5 DEG.	1.5 DEG.
18 - 24 INCH	N/A	1.5 DEG.	1.5 DEG.

ON PVC PIPE, THE MAXIMUM OFFSET FOR: A 20' LENGTH OF FACTORY BELLED PIPE SHALL BE 16 INCHES FOR 6" PIPE, 12 INCHES FOR 8" PIPE, AND 9 INCHES FOR 10" AND 12" PIPE. IF THESE OFFSETS CONFLICT WITH THE PIPE MANUFACTURERS RECOMMENDATION, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS AREAS AND VALLEY GUTTERS.
- DETECTOR TAPE 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 LATERAL NOT INSTALLED AT RIGHT ANGLES TO MAINS.
- ALL WATER MAINS ARE TO BE PRESSURE TESTED AT 200 PSI FOR A CONTINUOUS TWO HOUR PERIOD, IN ACCORDANCE WITH DISTRICT STANDARDS.
- ALL WATER MAINS SHALL BE DISINFECTED, FLUSHED, AND AN ACCEPTABLE HEALTH SAMPLE OBTAINED, PRIOR TO THE CONNECTION OF THE WATER MAIN(S) AND/OR LATERAL(S) TO THE DISTRICT STANDARDS.
- CONTRACTOR TO OBTAIN ALL METERS 2" AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.

APPROVALS

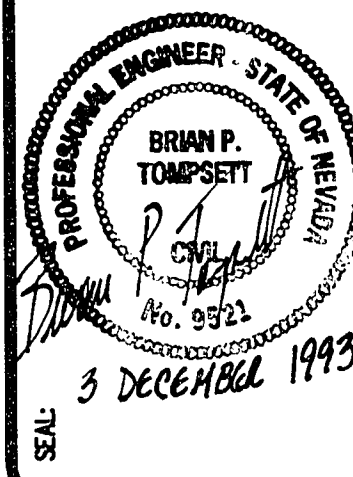
NEVADA POWER COMPANY 12-8-93 DATE
LAS VEGAS VALLEY WATER DISTRICT 2-11-94 DATE



TURTLE STOP
A COMMERCIAL DEVELOPMENT
LYING WITHIN THE NORTHEAST QUARTER (NE 1/4)
OF SECTION 26, TOWNSHIP 20 SOUTH, RANGE 60 EAST,
M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

PROJECT TITLE:

NO.	DATE	REVISION	APPROVAL
1	3-4-94	ADDED MEDIAN AND REVISED DRV ON JONES BLVD.	[Signature]
2	4-7-94	RELOCATE EX. WATER METER	[Signature]



DATE: 22 NOV 1993
JOB NO.: 93560.02
SCALE: 1" = 20'
DRAWN: T.J.E.
DESIGNED: D.P.W.
CHKD BY: B.P.T.
FLD. VOL. 93-2/PG.18
sheet:
C4 OF 4

107-V2186