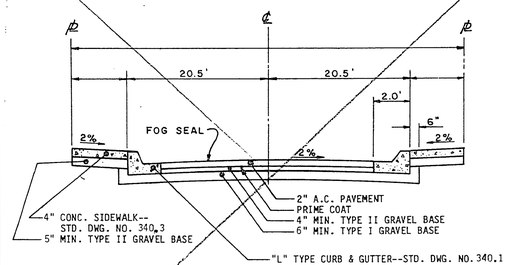
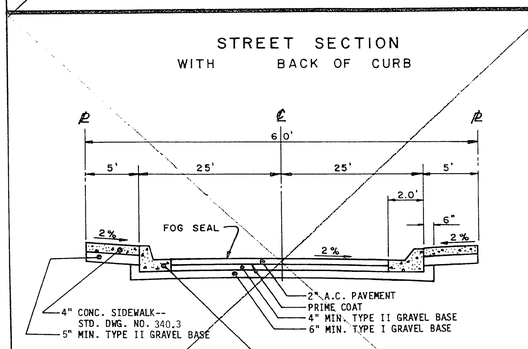
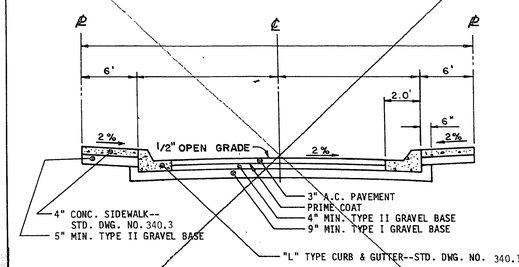
STREET SECTION WITH BACK OF CURB



STREET SECTION WITH BACK OF CURB



STREET SECTION WITH BACK OF CURB



QUANTITIES

(SEE SHT 2 OF 2)

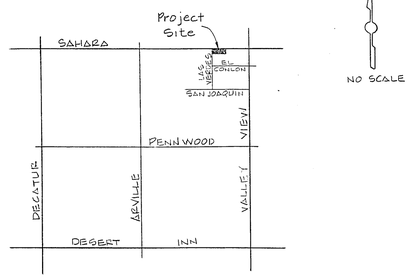
CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

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: (FOR NEW F.H. ONLY) 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 DRAFT 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 2 1/2 DEGREES PER 13 FOOT SECTION OF PIPE FOR PIPE SIZES SMALLER THAN 14 INCHES AND SHALL NOT EXCEED 2 DEGREES FOR PIPE SIZES BETWEEN 14 INCHES AND 16 INCHES.
7. ALL METERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS.
8. 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 LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAINS.
9. SERVICE LATERALS FOR LOTS N/A WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LAS VEGAS VALLEY WATER DISTRICT.

VICINITY MAP



GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", ISSUED 1986; "THE IMPROVEMENT STANDARDS", CLARK COUNTY, NEVADA, REVISED APRIL, 1986; ANY OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL APPLICABLE LOCAL CITY CODES AND ORDINANCES.
2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE DRAWINGS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS.
3. ALL GRADES ARE REFERENCED TO THE TOP OF THE CONSTRUCTION GRADE STAKES OR NAILS AND THIS RULE SHALL BE OBSERVED: THREE CONSECUTIVE CONSTRUCTION GRADE STAKES OR NAILS CORRESPONDING TO THREE CONSECUTIVE POINTS SHOWN ON THE APPROVED PLANS AS A STRAIGHT GRADE SHALL BE USED IN COMMON AND ANY VARIATION SHALL BE REPORTED IN WRITING TO ALCA BEFORE WORK PROCEEDS. CONTRACTORS DOING OTHERWISE SHALL PROCEED AT THEIR TOTAL RISK AND RESPONSIBILITY.
4. THE QUANTITY ESTIMATES SHOWN HEREON ARE APPROXIMATE AND NO ONE IS TO RELY UPON THEM FOR PAY QUANTITIES. EACH AND EVERY CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AND SPECIFICATIONS ON THE JOB SITE AT ALL TIMES AND SHALL RELY UPON THEM TO A HIGHER DEGREE THAN THE CONSTRUCTION STAKES IN PROSECUTING THE WORK.
5. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY ALTERATIONS SHALL HAVE THE PRIOR APPROVAL OF THE CITY ENGINEER.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS FOR PROPER DRAINAGE. THE EXTENT OF TRANSITIONS SHALL BE AS SHOWN OR AS DETERMINED BY THE CITY ENGINEER OR INSPECTOR.
7. IF ANY CURB GRADES ARE SHOWN ON THE PLANS AT LESS THAN 0.40%, IT IS REQUIRED BY THIS OFFICE THAT THE FORMS BE CHECKED BY A SURVEY CREW PRIOR TO CONCRETE PLACEMENT. A 48-HOUR NOTIFICATION OF WORK IS REQUIRED, AND IF THIS OFFICE IS NOT NOTIFIED, IT WILL ASSUME NO RESPONSIBILITY FOR THE FINISHED PRODUCT. EACH JOINT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
8. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK.
9. EXPANSION JOINTS ARE REQUIRED AT A MAXIMUM OF EVERY 300 FEET IN EXTRUDED TYPE CURB.
10. A.C. PAVEMENT IS TO BE 1/2 INCH ABOVE THE LIP OF ALL GUTTERS AND VALLEY GUTTERS AFTER COMPACTION.
11. CHISEL "S" OR "G" WHENEVER SEWER OR GAS LINES PASS UNDER THE CURB.
12. CONSTRUCT WHEELCHAIR RAMPS AS SPECIFIED ON PLANS PER CLARK COUNTY STANDARD DRAWING NO. D22A.
13. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.

ABBREVIATIONS

AC.....ASPHALTIC CONCRETE
ACP.....ASBESTOS CEMENT PIPE
ADJ.....ADJUST
BC.....BEGINNING OF CURB OR BACK OF CURB
BCR.....BEGINNING OF CURB RETURN OR BACK OF CURB RADIUS
BDRY.....BOUNDARY
BEG.....BEGIN
BM.....BENCHMARK
BSW.....BACK OF SIDEWALK
BVC.....BEGINNING OF VERTICAL CURVE
C & G.....CURB AND GUTTER
CF.....CURB FACE
CIP.....CAST IRON PIPE
℄.....CENTERLINE
CMP.....CORRUGATED METAL PIPE
CONC.....CONCRETE
CONST.....CONSTRUCT
DC.....DEPRESSED CURB
DI.....DROP INLET
DIA.....DIAMETER
DIP.....DUCTILE IRON PIPE
DMH.....DROP MANHOLE
EC.....END OF CURVE
ECR.....END OF CURB RETURN
EL.....ELEVATION
EVC.....END OF VERTICAL CURVE
EX.....EXISTING
FC.....FACE OF CURB
FF.....FINISHED FLOOR
FG.....FINISH GRADE
FH.....FIRE HYDRANT
℄.....FLOW LINE
G.....GAS
GB.....GRADE BREAK
HGT.....HIGH OR HEIGHT
HOR.....HORIZONTAL
HP.....HIGH POINT
ID.....INSIDE DIAMETER
INV.....INVERT
LAT.....LATERAL
LF.....LINEAL FEET
LT.....LEFT
MAX.....MAXIMUM
MH.....MANHOLE
MIN.....MINIMUM
NO.....NUMBER
OC.....ON CENTER
OD.....OUTSIDE DIAMETER
P.....POWERLINE
PC.....POINT OF CURVATURE
PCC.....POINT OF COMPOUND CURVE
PG.....PAD GRADE
PHP.....PLASTIC HIGH PRESSURE
PI.....POINT OF INTERSECTION
℄.....PROPERTY LINE
PP.....POWER POLE
PRC.....POINT OF REVERSE CURVE
PROP.....PROPOSED
PT.....POINT OF TANGENT
PVC.....POLY VINYL CHLORIDE PIPE
PVI.....POINT OF VERTICAL INTERSECTION
PVMT.....PAVEMENT
Q.....RATE OF FLOW
R.....RADIUS
RCP.....REINFORCED CONCRETE PIPE
RT.....RIGHT
R/W.....RIGHT-OF-WAY
S.....SANITARY SEWER
SD.....STORM DRAIN
SHP.....STEEL HIGH PRESSURE
SHT.....SHEET
SP MH.....SPECIAL MANHOLE
STA.....STATION
STD.....STANDARD
STL.....STEEL
SW.....SIDEWALK
T.....TANGENT DISTANCE OR TELEPHONE
TC.....TOP OF CURB
TMH.....TOP OF MANHOLE
TRANS.....TRANSITION
TSC.....TRAFFIC SIGNAL CONDUIT
TSW.....TOP OF SIDEWALK
VC.....VERTICAL CURVE
VCP.....VITRIFIED CLAY PIPE
VERT.....VERTICAL
VG.....VALLEY GUTTER
W.....WATER

DEVELOPER

BILL TITUS
6020 W FLAMINGO
SUITE A-15
LAS VEGAS NV 89103
(702) 871-4747

BENCHMARK

N/A

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT (SHEET NO. 2) — DATE SIGNED 2/28/89

C.L.V. CITY ENGINEER — DATE 3-16-88

C.L.V. QUALITY CONTROL ENGINEER — DATE 3-15-88

C.L.V. LAND DEV. & FLOOD CONTROL — DATE 3-16-88

C.L.V. FIRE MARSHALL — DATE 2-24-88 (DB 3/2/88 FOR REVISION)

C.L.V. SANITATION SUPERINTENDENT — DATE 3-16-88

N/A
C.L.V. TRAFFIC ENGINEER — DATE

N/A
C.L.V. ELECTRICAL COORDINATOR — DATE

N/A
C.L.V. ELECTRICAL SUPERVISOR — DATE

NEVADA POWER COMPANY — DATE 3/17/88

INDEX OF SHEETS

2-24-88

NO.	REVISIONS	BY	DATE
			2/23/89
		JP	

SEE SHT. 2

SCALE (H)
SCALE (V)
SEE SHT. 2
DES
DR
SECTION 7 T 21 S RGE

ALCA ENGINEERING & SURVEYING, INC.
820 SOUTH VALLEY VIEW BOULEVARD
LAS VEGAS, NV 89107 (702)878-3350

JOB TITLE
SAHARA AND LAS VERDES
LAS VEGAS, NEVADA
ABBREVIATIONS, APPROVALS, BENCHMARK, INDEX OF SHEETS, NOTES, QUANTITIES, SECTIONS & DETAILS, STANDARDS & VICINITY MAP

JOB NO. 8801-02-01

SHEET 1 OF 2

24-1-24

307-V642