

CITY OF LAS VEGAS GENERAL NOTES - OFF-SITES

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", LATEST EDITION, THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, NEVADA", LATEST EDITION, AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE. EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS". - NO DEVIATIONS
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
8. AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB & GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED.
11. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
13. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
14. EXACT LOCATION OF ALL SAW CUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
15. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.
16. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APPROXS, FLOWLINES, AND GROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
17. WALL NOTES:
- A. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.
- B. THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS (RETAINING OR NON-RETAINING) MUST BE APPROVED BY THE CLV BUILDING DEPARTMENT.
18. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS. REV. 12/92.

CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND 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.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS, ANY ADDITIONS, DELETIONS, OR CHANGES SHALL MEET WITH THE APPROVAL OF THE CONTROLLING AGENCY.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACK FILL OF TYPE II GRAVEL.
5. ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
7. A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MAIN, MUST BE REINFORCED CONCRETE PILING FOR A DISTANCE NOT LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) 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.

CITY OF LAS VEGAS FIRE DEPT. NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS", AND ORDINANCE NO. 3944.
2. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE
- A - KENNEDY GUARDIAN
B - MUELLER A-423 CENTURION
C - CLOW MODEL 2546 MEDALLION
3. 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.
4. CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE NO. 3944 TO IDENTIFY FIRE HYDRANT LOCATIONS.
5. 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.
6. PAINTING OF THE CURBS AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE NO. 3944 SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
7. 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 FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER PRIOR TO ANY WORK BEGINNING.
8. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.
9. A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
10. ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND A.W.W.A. APPROVED.
11. FIRE HYDRANT SPACING:
- RESIDENTIAL - 500 FEET UNSPRINKLERED, 1000 FEET SPRINKLERED
COMMERCIAL, INCLUDING MULTIFAMILY - 300 FEET UNSPRINKLERED, - 600 FEET SPRINKLERED.
12. WHERE NEW WATER MAINS ARE EXTENDED ALONG STREETS, WHERE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF STRUCTURES, FIRE HYDRANTS SHALL BE SPACED AT MAX. 1,000 FOOT SPACING TO PROVIDE FOR TRANSPORTATION HAZARDS.
13. NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6' OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT, OR ANY OTHER OBSTRUCTION.
15. TWO SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE ARE 4 OR MORE FIRE HYDRANTS INSTALLED ON A SINGLE SYSTEM.
16. NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
17. FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET PROVIDED NO PARKING IS ALLOWED, NOT LESS THAN 28 FEET IF PARALLEL PARKING IS ALLOWED ON ONE SIDE, AND NOT LESS THAN 36 FEET IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. VERTICAL CLEARANCE SHALL NOT BE LESS THAN 13 FEET 6 INCHES.
18. THE TURNING RADIUS OF 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.
19. 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 IN U.F.C. 94, SECTION 902.2).
20. ALL DEAD END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANCES PUBLIC OR PRIVATE IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND AREA. SEE ORDINANCE NO. 3944.
21. ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FEET ALONG ALL DESIGNATED FIRE LANCES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FEET OR LESS THAN 6 FEET FROM ROADWAY LEVEL. THE CURBS ALONG OR ON THE PAVEMENT OR CEMENT IF CURB IS NOT PRESENT, SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS.
22. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

GENERAL UTILITY CONSTRUCTION NOTES

1. WATER LINES TO HAVE THRUST BLOCKS CONSTRUCTED PER U.D.S. PLATE NO. 5
2. WET TAPS TO BE CONSTRUCTED IN CONFORMANCE WITH U.D.S. PLATE NO. 22
3. TRENCH BACK FILL FOR WATER LINES TO BE CONSTRUCTED PER U.D.S. PLATE NO. 6B
4. TRENCH BACK FILL FOR SEWER LINES TO BE CONSTRUCTED PER S.W.A.C.S. SD-16A
5. CONTRACTOR TO LOCATE AND VERIFY SIZE, LINE TYPE, CONDITION, DEPTH, PRESSURE, AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA PRIOR TO CONSTRUCTION. THE CIVIL ENGINEER SHALL BE CONTACTED ONCE THE UTILITY LINE IS LOCATED
6. THESE DRAWINGS MAY NOT INDICATE ALL EXISTING BURIED UTILITY LINES. CONTRACTORS IS TO EXERCISE GREAT CARE DURING EXCAVATION IN ORDER TO AVOID MAKING CONTACT WITH ANY EXISTING UTILITY LINES. IF UTILITY LINES ARE DAMAGED BY THE CONTRACTOR SUCH DAMAGE SHALL BE REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTORS EXPENSE
7. CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE AS NECESSARY FOR UTILITY TRENCHES, BACKFILL AND PATCH ALL TRENCHES AS INDICATED IN DETAILS AND/OR ACCORDING TO THE GOVERNING ENTITY (CITY OF LAS VEGAS).
8. INSTALLATION OF ALL UTILITY LINES SHALL BE COORDINATED WITH THE CLARK COUNTY SCHOOL DISTRICT TO MINIMIZE DISRUPTION OF HORIZON/SUNSET HIGH SCHOOL ACTIVITIES
9. CONTRACTOR/OWNER TO OBTAIN A CITY OF LAS VEGAS OFF-SITE IMPROVEMENT PERMIT FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY
10. TURF AREA SPRINKLERS THAT ARE DISTURBED BY THE CONTRACTOR SHOULD BE COORDINATED WITH CLARK COUNTY SCHOOL DISTRICT LANDSCAPING AND GROUNDS FOR ANY NECESSARY REVISED LAYOUTS. CONTRACTOR TO IMMEDIATELY RELOCATE SPRINKLER IRRIGATION LINES OR SUPPLY WATER PUMPS AND ASSOCIATED ELECTRICAL TO ENSURE THE TURF AREAS ARE WATERED THROUGHOUT THE DURATION OF THE PROJECT
11. AN OFF-SITE PERMIT IS REQUIRED PRIOR TO WORK COMMENCING WITHIN PUBLIC RIGHT-OF-WAY

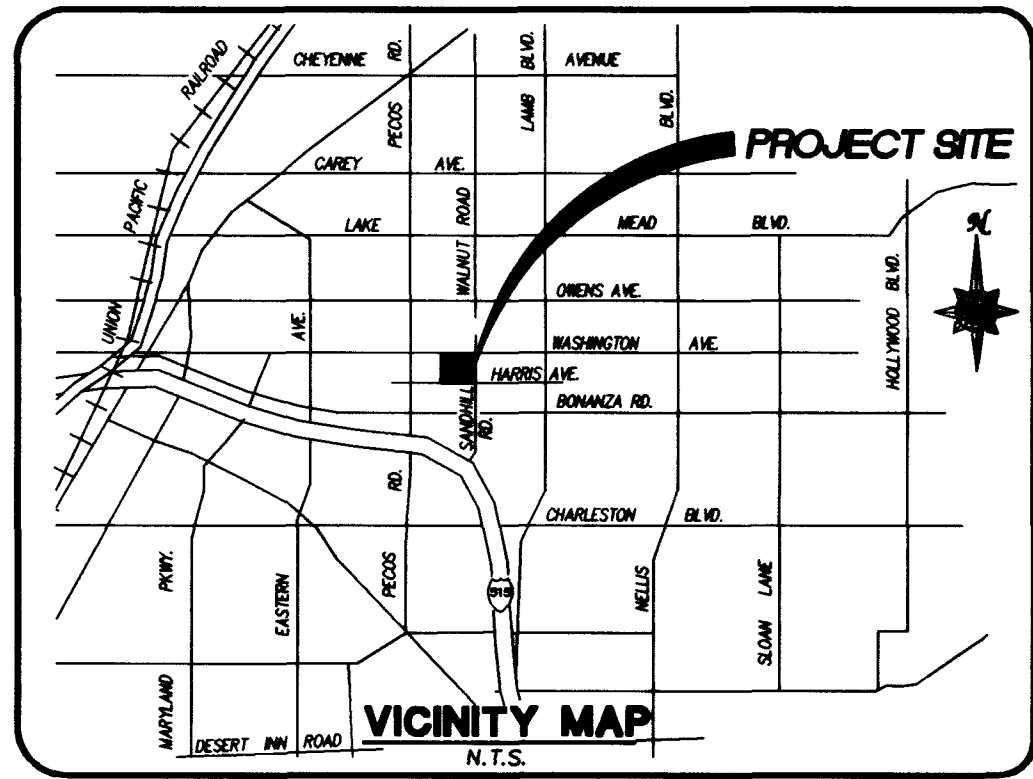
LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD.FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
- A. MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:
- A. POTABLE WATER SUPPLY QUALITY MATERIAL,
B. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.
- EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
9. WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH THE STANDARD PLATE NO. 27.
10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY- EIGHT (48) HOURS PRIOR TO PICKUP.
12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST VERSION, OR SPECIFICALLY APPROVED ON THESE PLANS.

LVVWD *Bonnie Cliff* 2-20-98 DATE

CITY OF LAS VEGAS STREETLIGHT NOTES

1. 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, 1988.
2. SEE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION CITY OF LAS VEGAS, DRAWING NO. 318.
- ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.



ESTIMATED QUANTITIES

ITEM	ON-SITE (PRIVATE)	OFF-SITE (PUBLIC)
1. 2" A.C. PAVEMENT	29130 SY	2238 SY
2. 3" A.C. PAVEMENT	13058 SY	4550 SY
3. 4" A.C. PAVEMENT	-	4688 SY
5. 2" VALLEY GUTTER	820 SF	-
5. 3" VALLEY GUTTER W/DRAIN	1360 SF	-
6. 8" VALLEY GUTTER	448 SF	836 SF
7. TYPE "A" CURB & GUTTER	1976 LF	-
8. TYPE "L" CURB & GUTTER	2230 LF	2284 LF
9. SIDEWALK	51848 SF	12975 SF
10. TYPE II AGGREGATE BASE	-	-
11. TYPE II AGGREGATE BASE	1180 CY	3506 CY
12. DRIVEWAY	-	2085 SF

LEGEND

CENTER LINE	---	EXISTING TELEPHONE MANHOLE	⊕
PROPOSED PROPERTY LINE, R/W	---	EXISTING TELEPHONE VAULT	⊕
PROPERTY LINE, R/W	---	EXISTING FIRE HYDRANT	⊕
EXISTING GRADE	(101.79) TC	PROPOSED FIRE HYDRANT	⊕
PROPOSED GRADE	(101.79) TC	EXISTING WATER METER	⊕
EXISTING CONTOUR	---	EXISTING GATE VALVE	⊕
PROPOSED CONTOUR	---	PROPOSED GATE VALVE	⊕
GRADE BREAK	GB	POST INDICATOR VALVE (PIV)	⊕
EXIST. WATER VALVE	WV	SECTIONAL INDICATOR VALVE W/DEBRIS CAP (SIV)	⊕
EXIST. EDGE OF PAVEMENT	---	FIRE DEPARTMENT CONNECTION (FDC)	⊕
PROPOSED SLOPES / FLOW LINE	1.0%	EXISTING SANITARY SEWER MANHOLE	⊕
CHAIN LINK FENCE	---	EXISTING STORM DRAIN MANHOLE	⊕
PROPOSED STORM DRAIN INLET	---	PROPOSED MANHOLE	⊕
HANDICAP SIGN AND PARKING (SEE DETAIL, SHEET C6.03)	---	EXISTING POWER POLE	⊕
SLOPE	---	EXISTING ELECTRICAL VAULT	⊕
CONSTRUCTION KEY NOTE LABEL	1	EXISTING CABLE TELEVISION VAULT	⊕
		PROPOSED STREETLIGHT	⊕
		PROPOSED 20' HIGH LIGHT POLE	⊕
		EXISTING STREET LIGHT	⊕
		EXISTING WATER BLOW-OFF	⊕
		PROPOSED SANITARY SEWER CLEAN OUT	⊕
		EXISTING STORM DRAIN DROP INLET	⊕
		EXISTING TRAFFIC PULL BOX	⊕
		PROPOSED TRAFFIC SIGN	⊕
		PROPOSED REDUCER	⊕
		PROPOSED CATCH BASIN	⊕
		PROPOSED RETAINING WALL	⊕

ABBREVIATIONS

A.C.	ASPHALTIC CONCRETE	L	LENGTH
ADCL	ADDITIONAL	LF	LINEAR FEET
BOC	BACK OF CURB	LP	LOW POINT
BOR	BACK OF CURB RETURN	LP (MAX.)	MAXIMUM
BFE	BASE FLOOD ELEVATION	MH	MANHOLE
BLDG.	BUILDING	(MIN.)	MINIMUM
BO	BLOW OFF	MOD.	MODIFIED
BSW	BACK OF SIDEWALK	M.U.E.	MUNICIPAL UTILITY EASEMENT
?	CENTERLINE	NTS	NOT TO SCALE
C.C.U.S.D.	UNIFORM STANDARD DRAWINGS, CLARK COUNTY AREA	NO. OR #	NUMBER
CO	CLEAN OUT	OC	ON CENTER
CONC.	CONCRETE	PC	POINT OF CURVATURE
CONST	CONSTRUCTION	PCC	POINT OF COMPOUND CURVATURE
(CONT.)	CONTINUED	R	PROPERTY LINE
DIA	DIAMETER	PT	POINT OF TANGENCY
D.I.	DROP INLET	PVC	POLYVINYL CHLORIDE PIPE
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
D.I.P.	DUCTILE IRON PIPE	R.O.W.	RIGHT-OF-WAY
EA	EACH	SW	SIDEWALK
EOP	EDGE OF PAVEMENT	SHT.	SHEET
ELEV. OR EL.	ELEVATION	STD.	STANDARD
EOA	EDGE OF ASPHALT	STA.	STATION
EXIST.	EXISTING	SD	STORM DRAIN LINE
FF	FACE OF CURB	SS	SANITARY SEWER LINE
FG	FINISHED FLOOR ELEV.	S.S.A.C.S.	DESIGN AND CONSTRUCTION STANDARDS FOR WASTE WATER COLLECTION SYSTEMS
FG	FINISHED GROUND ELEV.	T	TELEPHONE LINE
FL	FLOW LINE	TB	TOP OF BOX
G	GRADE	TBC	TOP BACK OF CURB
GB	GRADE BREAK	T.E.	TRASH ENCLOSURE
GM	GAS METER	TOP	TOP OF CHANNEL
GV	GATE VALVE	TC	TOP OF CURB
H	HEIGHT	TSW	TOP OF SIDEWALK
HP	HIGH POINT	TW	TOP OF WALL
INV.	INVERT	(TYP.)	TYPICAL
(IRR.)	IRRIGATION	VG	VALLEY GUTTER
		U.D.S.	UNIFORM DESIGN & CONSTRUCTION STD. FOR WATER DISTRIBUTION SYSTEMS
		W/	WITH
		W	WATER LINE
		WM	WATER METER
		WV	WATER VALVE

ESTIMATED QUANTITIES STORM DRAIN

ITEM	ON-SITE (PRIVATE)	OFF-SITE (PUBLIC)
1. 18" PVC	863 LF	-
2. 12" PVC	2258 LF	-
3. 8" PVC	3167 LF	-
4. 6" PVC	1424 LF	-
5. 10" PVC	601 LF	-
6. STANDARD MANHOLE	13 EA	-
7. 8" DIP	314 LF	-
8. 12" DIP	733 LF	-
9. 50MH	10 EA	-
10. DROP INLET	12 EA	-

MISCELLANEOUS

ITEM	ON-SITE (PRIVATE)	OFF-SITE (PUBLIC)
1. UNDERSIDEWALK DRAIN	3 EA	-
2. POLYDRAIN SYSTEM	360 LF	-
3. FLOOR DRAIN	43 EA	-
4. 24" DROP INLETS	15 EA	-
5. TRAFFIC SIGNS	13 EA	-
6. 1-1/4" STREETLIGHT CONDUIT	-	38 EA
7. 200W HPS STREETLIGHT	-	1200 LF
8. 100W HPS STREETLIGHT	-	7 EA
9. NO. 3 - 1/2" PULLBOX	-	6 EA
10. NO 5. PULLBOX	-	7 EA
11. NO 7. PULLBOX	-	4 EA
12. 1-1/4" CONDUIT	-	1460 LF
13. 2" CONDUIT	-	1340 LF
14. 3" CONDUIT	-	275 LF
15. 250W HPS STREETLIGHT	-	7 EA
16. XXA TRAFFIC POLE	-	1 EA

NOTE: FOR UTILITY QUANTITIES, REFER TO SHEET C5.04 (SHT. 28)

BASIS OF BEARING

THE NORTH LINE OF THE SOUTHWEST ONE-QUARTER (SW 1/4), SECTION 30, TOWNSHIP 20 SOUTH, RANGE 62 EAST, M.D.M., CLARK COUNTY, NEVADA, BEARS NORTH 89° 40' 45" WEST PER PARCEL MAP, FILE 18, PAGE 95, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA

BENCHMARKS

CITY OF LAS VEGAS BENCHMARK NUMBER 2LV02.3056. RIVET & PLATE IN TOP OF CURB AT SOUTHWEST RETURN OF SANDHILL ROAD AND HARRIS AVENUE.

NAVD 88 DATUM
ELEVATION = 1787.60 FEET
544.8623 METERS

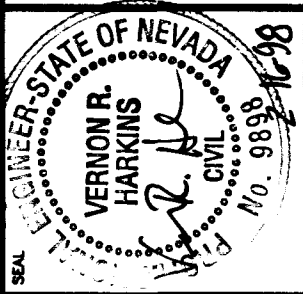
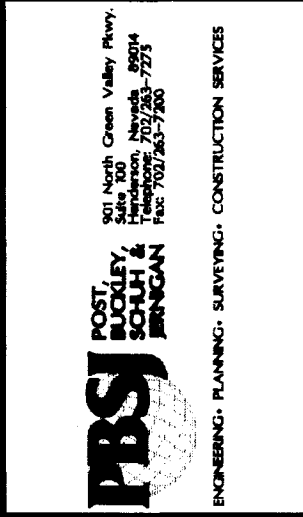
CITY OF LAS VEGAS BENCHMARK NUMBER 2LV02.30C4. RIVET & PLATE IN TOP OF CURB AT NORTHWEST RETURN OF SANDHILL ROAD AND WASHINGTON AVENUE.

NAVD 88 DATUM
ELEVATION = 1796.178 FEET
547.4764 METERS

OWNER

CLARK COUNTY SCHOOL DISTRICT
4828 PEARL ST.
LAS VEGAS, NEVADA 89121

TATE & SNYDER ARCHITECTS
709 VALLE VERDE COURT
HENDERSON NEVADA 89014
(702) 456-3000



REVISIONS

REV	DESCRIPTION	DATE	BY

CLARK COUNTY SCHOOL DISTRICT
CONSTRUCTION MANAGEMENT DEPARTMENT 4828 S. PEARL STREET 798-7000 LAS VEGAS, NEVADA 89121

SANDHILL ROAD/WASHINGTON AVENUE HIGH SCHOOL
LAS VEGAS, NEVADA

GENERAL NOTES

C1.02

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