

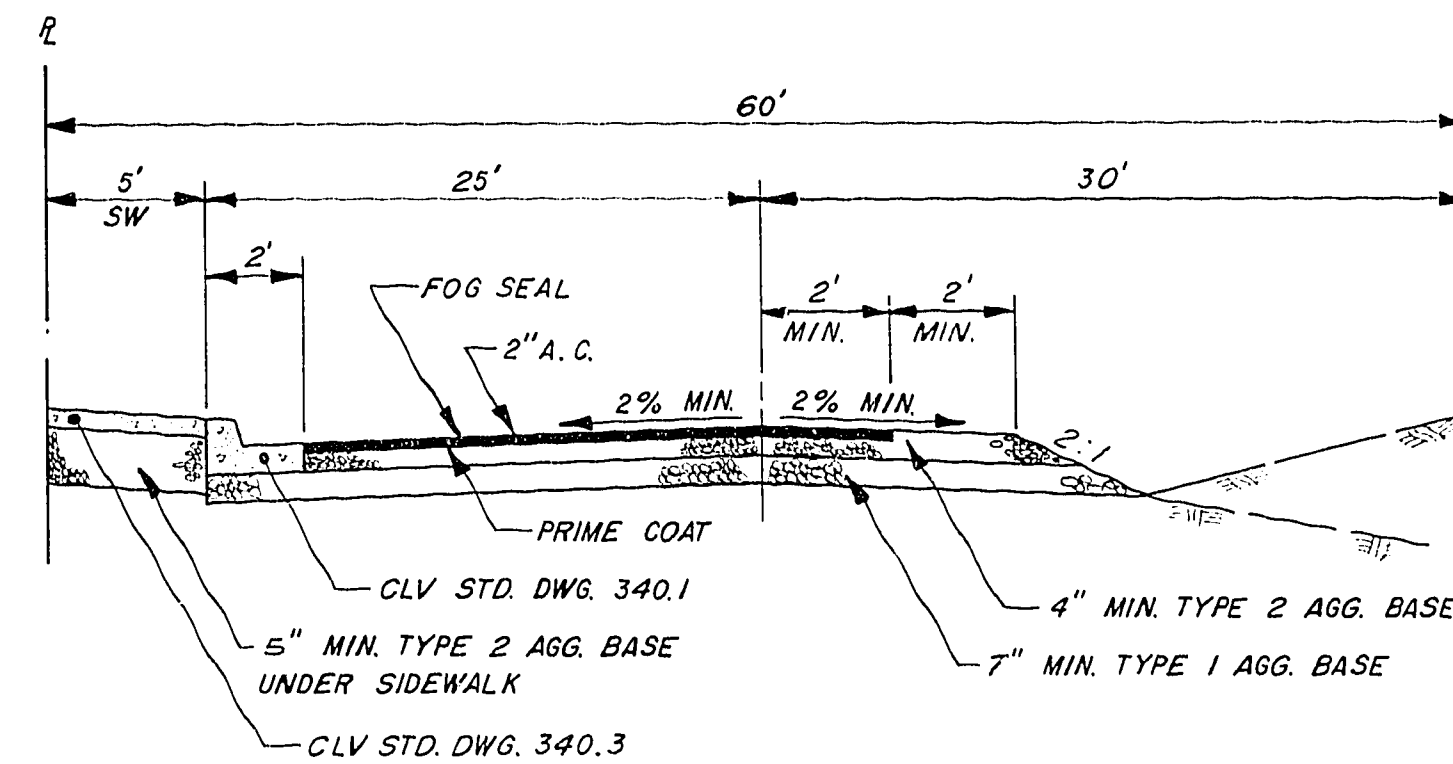
STREET IMPROVEMENTS

1.	2" A.C. PAVING _____	15,416	S.Y.
2.	TYPE 2 GRAVEL BASE _____	2,750	C.Y.
3.	TYPE 1 GRAVEL BASE _____	2,762	C.Y.
4.	24" CURB & GUTTER _____	3,268	L.F.
5.	4' CONC. SIDEWALK _____	14,575	S.F.
6.	6' CONC. VALLEY GUTTER _____	2,372	S.F.
7.	DRIVEWAYS _____	9,996	S.F.
8.	WHEELCHAIR RAMPS _____	12	EA.
9.	100 W H.P.S. ST. LIGHTS _____	14	EA.
10.	1 1/4" PVC CONDUIT _____	3,617	L.F.
11.	#3 1/2 PULLBOX _____	3	EA.
12.	STREET NAME SIGNS _____	7	EA.
13.	STOP SIGNS _____	5	EA.

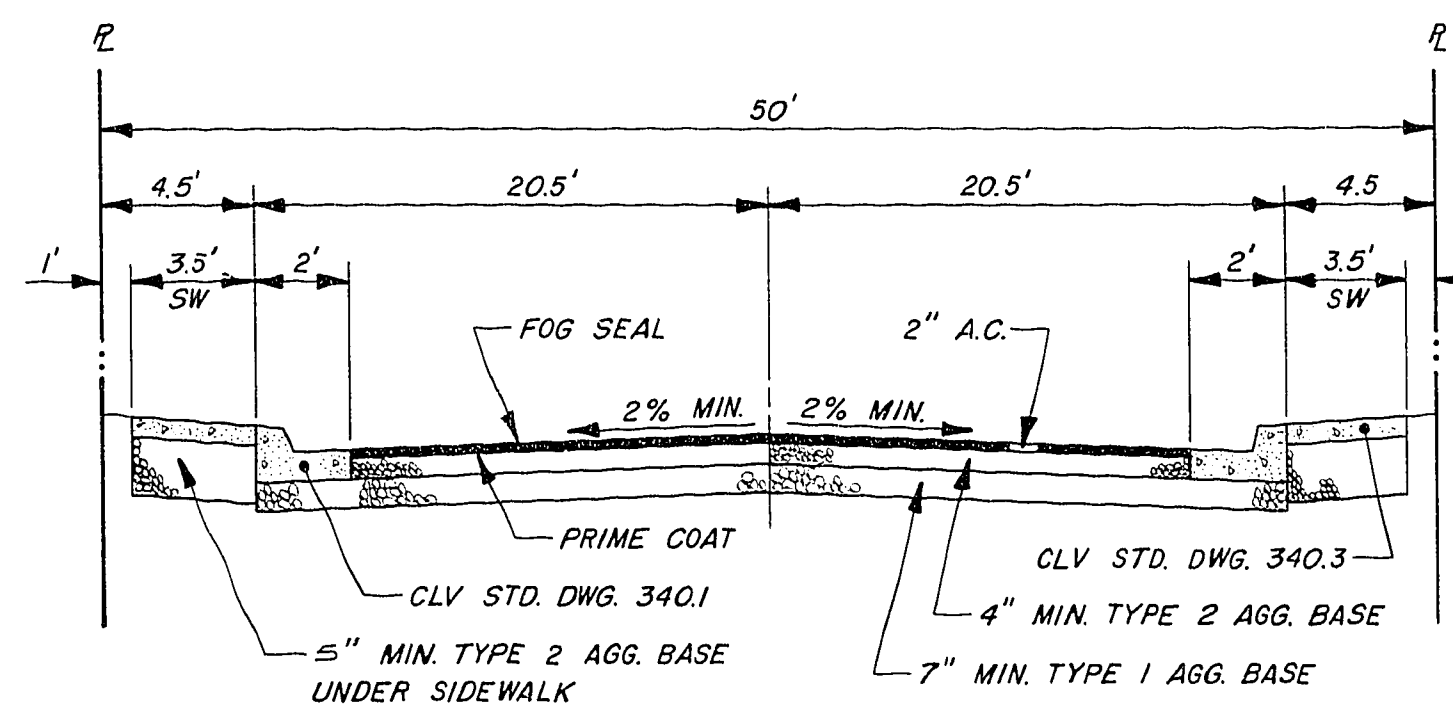
1. 8" SEWER LINE _____ 3,560 L.F.
2. STANDARD MANHOLE _____ 12 EA.
3. 4" SEWER LATERAL _____ 3,000 L.F.

1. 2" A.C. PAVING _____ 875 S.Y
2. TYPE 2 GRAVEL BASE _____ 120 C.Y

1. ALL SANITARY SEWER INSTALLATIONS SHALL CONFORM TO 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 OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.
2. ALL CONTRACTORS INSTALLING SEWER MAINS WHICH WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS SHALL BE CLASS "A" CONTRACTORS.
3. SEWER MAINS ONLY TO BE LAID IN SEWER TRENCHES.
4. CHISEL "S" OR "G" IN CURBS WHEREVER SEWER OR GAS LATERALS PASS UNDER THE CURB.
5. POLYVINYL CHLORIDE (PVC) SEWER PIPE MUST MEET ASTM D-3034 SDR 35 SPECIFICATIONS.
6. ALL MANHOLES AND CLEANOUTS THAT LIE WITHIN THE LIMITS OF ROADWAY CONSTRUCTION SHALL BE PLATED AT SUBGRADE LEVEL. AFTER PLACEMENT OF THE A.C. PAVEMENT AND BASE MATERIALS, THE MANHOLES SHALL BE BROUGHT TO FINISH GRADE AND AN A.C. COLLAR (CONCRETE ON MAJOR STREETS, 80'-100') SHALL BE CONSTRUCTED FOR EACH MANHOLE. INSPECTORS ARE TO BE NOTIFIED IN ADVANCE TO INSPECT WORK AT THE TIME OF ADJUSTMENT.
7. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIAMETER SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.



TYPICAL 60' R/W STREET
HALF-STREET CONSTRUCTION
NO SCALE



TYPICAL 50' R/W STREET
NO SCALE

1. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
2. A.C. PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AND VALLEY GUTTERS AFTER COMPACTION.
3. SUBGRADE FOR TYPE 1 UNDER CURB & GUTTER AND UNDER A.C. TO BE CONTINUOUS.
4. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
5. TYPE V CEMENT SHALL BE USED IN ALL OFFSITE CONCRETE WORK.
6. ALL CURB STAKING SHALL BE AT 25' MINIMUM SPACING. STRING LINE CHECK PRIOR TO COMMENCEMENT OF CURB CONSTRUCTION.
7. ALL VALLEY GUTTERS TO BE 8' WIDE.

1. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREET IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
2. ALL CONSTRUCTION SIGNING, BARRICADE AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK - 1985" AND TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES -1978".
3. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CITY OF LAS VEGAS STANDARDS. ALL OTHER SIGNS SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF LAS VEGAS STANDARDS.
4. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFFSITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
6. IF A PROPOSED STREETLIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, THEN CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.

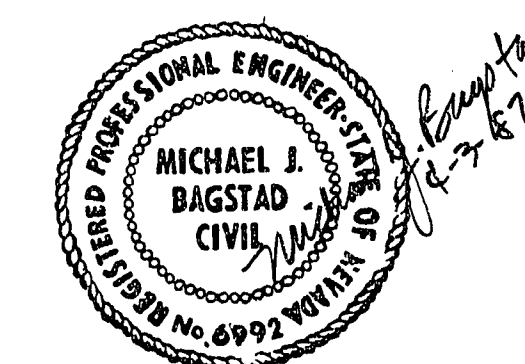
	R/W OR PROPERTY LINE
	EX. GRADE
	PROPOSED FINISH GRADE
	EX. SEWER W/ MANHOLE
	PROPOSED SEWER W/ MANHOLE
	EX. WATER W/ VALVE
	PROPOSED WATER W/ VALVE
	EX. FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EX. STREET LIGHT
	PROPOSED STREET LIGHT (100W H.P.S.)
	STREET LIGHT CONDUIT
	PULL BOX
	STREET NAME SIGN

1. HOUSE SERVICES SHALL COMPLY WITH WESTERN PLUMBING CODE AS THE SEPARATION DISTANCE.
2. ALL HOUSES TO BE SERVED INDIVIDUALLY AS PER SECTION 313 OF THE UNIFORM PLUMBING CODE.
3. CONTRACTOR SHALL FURNISH THE CITY ENGINEER WITH AS-BUILT DRAWING SHOWING THE EXACT LOCATIONS OF ALL HOUSE CONNECTIONS UPON COMPLETION OF CONSTRUCTION.
4. WEAKENED PLANE JOINTS SHALL BE PLACED IN CENTER OF ALL DRIVEWAYS THAT EXCEED 20' IN WIDTH.

ALL STREET LIGHT INSTALLATIONS SHALL CONFORM TO 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 OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.

1. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
A. KENNEDY GUARDIAN
B. MUELLER A-425
2. FIRE HYDRANTS ARE TO BE INSTALLED AND OPERABLE PRIOR TO COMBUSTIONABLE CONSTRUCTION.
3. CONTRACTOR SHALL PLACE A GREEN REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANTS.
4. CALL THE LAS VEGAS FIRE DEPARTMENT AT 383-2888 FOR UNDERGROUND INSPECTION. PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.

**Call
before you
Dig.
1-800-227-2600**



CLV LAND DEVELOPMENT ENGINEER DATE 5-14-87

				SCALE:	SUBMITTED		JAMES M. MONTGOMERY CONSULTING ENGINEERS, INC.  1100 EAST SAHARA AVENUE, LAS VEGAS, NEVADA 89104		APPROVED _____ DATE _____		R. A. HOMES		SHEET	
				DESIGNED _____	PROJECT ENGINEER _____ R.C.E. NO. _____ DATE _____				_____ DATE _____		THE KNOLLS SUBDIVISION		2	
				DRAWN <u>C. KEEL</u>	RECOMMENDED _____				APPROVED _____ DATE _____		QUANTITIES, NOTES AND TYPICAL SECTIONS		OF 8 SHEETS	
REV DATE BY DESCRIPTION				CHECKED _____	JAMES M. MONTGOMERY CONSULTING ENGINEERS, INC. R.C.E. NO. _____ DATE _____				_____ DATE _____					

17-7-6 107Y-1928