



1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND THE "UNIFORM STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" APPROVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF LAS VEGAS. ANY OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.
2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES AND CITY LINES. THE CITY HAS NO RECORD OR NOT SHOWN ON THESE DRAWINGS. EXISTING UTILITIES ARE LOCATED ON PLANS AND FIELD SURVEY OF THE CONTRACTOR. EXISTING UTILITY SURFACE LATERALS ARE NOT SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR SURFACES DAMAGED SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE AND RECONSTRUCTED SATISFACTORY TO THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH UTILITIES HAVE BEEN UNCOVERED UNTIL THE UTILITIES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT. THE WATER DISTRICT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF WATER LINES.
5. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY ALTERATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
6. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE SHALL BE MIXED FOR 100% CEMENT RATIO. THE MIXING CEMENT RATIO OF 0.45 (OR AS DESIGNED BY THE SOILS ENGINEER). HIS DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
7. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL OVERHEAD INTERFERENCES WITH CONSTRUCTION DURING THE CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD POWER AND TELEPHONE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
8. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
9. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
10. AC PAVEMENT TO BE 3" ABOVE LIP OF ALL GUTTERS & VALLEY GUTTER AFTER COMPACTION.
11. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS & ADJUSTMENTS HAVE BEEN MADE.
12. CURB & GUTTER WITH A GRADE OR LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER COMPLETION OF CONSTRUCTION.
13. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 2-35. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
14. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE A SMOOTH GRADING AND TRANSITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS ADJUSTED BY CITY INSPECTOR.
15. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER, AS APPROVED BY THE CITY ENGINEER.
16. EXIST. LOCATION OF ALL SANCTU LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR. IF LOCATION ON PLANS IS NOT FULLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES REDUCTION.
17. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ALL MONUMENTS DISTURBED SHALL BE REPLACED OR ADJUSTED PER AVAILABLE RECORDS IN ACCORD WITH U.S.S. STATE NO. 621-550.
18. CONSTRUCTION SURVEY:
GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTORS ARE REQUIRED TO OBTAIN AND TO OBSERVE THE FOLLOWING GRADE STATIONS GIVEN BY THIS OFFICE. THREE (3) CONSECUTIVE POINTS THAT ARE SHOWN TO BE ON THE SAME RATE OF SLOPE MUST BE USED IN CORROBORATION THAT ANY DISCREPANCY OUT OF A FEW FEET MAY BE DETECTED TO PREVENT THIS SUCH DISCREPANCY IS FOUND, THE SAME MUST BE IGNORED, UNLESS THE FIELDWORK WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE WADE OF THE FINISHED WORK.

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 AND CONSTRUCTION OF OFFICE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.
2. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
3. POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, AND INSTALLED WITH SAND BEDDING AND BACKFILL OR TYPE II GRAVEL.
4. ALL MANHOLES IN PAVED STREETS 8' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
5. 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.
6. A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MAIN SHALL BE REINFORCED CONCRETE ENCASED PIPE FOR A DISTANCE NOT LESS THAN 10 FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.

1. 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 OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.

2" ALUMINUM PLATE 7C102S4 IN TOP OF CURB AT N.W.
CORNER OF TORREY PINES AND SAHARA AVE.
ELEV 2334.289

2" ALUMINUM PLATE 7C012SSW6 IN TOP OF CURB AT
N.E. CORNER OF REDWOOD AND SAHARA AVE.
ELEV. 2358.916



NO.	TITLE
1	COVER SHEET
2	INDEX OF DRAWINGS, LOCATION MAP, NOTES AND APPROVALS .
3	ESTIMATE OF QUANTITIES
4	PLAN & PROFILE - TORREY PINES DRIVE
5	PLAN & PROFILE - REDWOOD STREET
6	MASTER WATER PLAN
7	MASTER WATER PLAN
8	MASTER SEWER PLAN
9	MASTER SEWER PLAN
10	GRADING PLAN
11	GRADING PLAN
12	GRADING PLAN
13	GRADING PLAN
14	GRADING PLAN
15	ROUGH GRADING DETAIL & NOTES
16	MISCELLANEOUS DETAILS
17	MISCELLANEOUS DETAILS
18	OFF SITE WATER
19	PUBLIC SEWER PROFILES

	10-14-88
CLV ENGINEER	DATE
	DATE
	8/3/88
CLV FIRE MARSHALL	DATE
	10-14-88
CLV SANITATION ENGINEER	DATE
	10-12-88
CLV ELECTRICAL SUPERVISOR	DATE
	9/27/88
CLV ELECTRICAL COORDINATOR	DATE
	9/2/88
CLV TRAFFIC ENGINEER	DATE
	DATE
CLV CHIEF LAND DEVELOPMENT	DATE

[illegible]