

LAS VEGAS VALLEY WATER DISTRICT

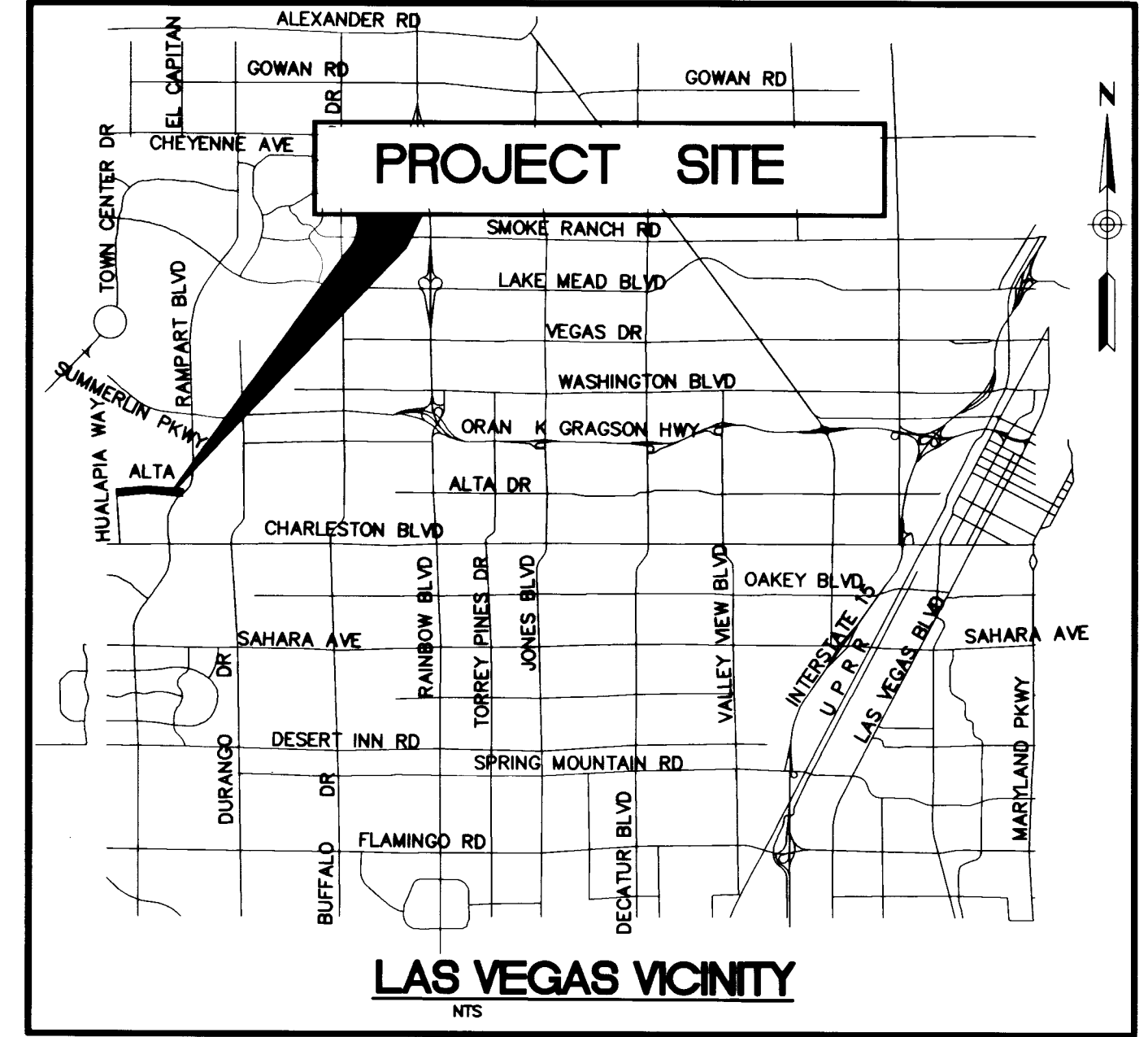
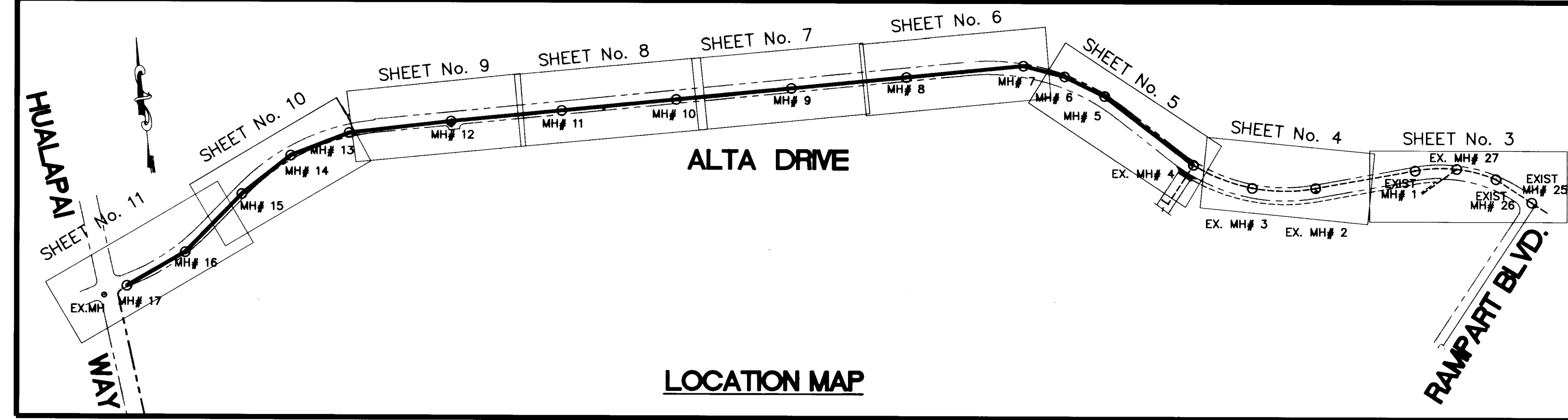
- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
- 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.
- 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.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- 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:
 - POTABLE WATER SUPPLY QUALITY MATERIAL,
 - ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
 - SLEEVING WITH POTABLE WATER SUPPLY QUALITY
 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.
- 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 STANDARD PLATE NO. 27.
- 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.
- 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.
- 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.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS. ENS.019
REVISED: MAY 14, 1996

GENERAL NOTES

- 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 ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; 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".
- 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.
- 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 SATISFACTORILY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- 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.
- 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.
- ALL GRADING SHALL CONFORM TO THE SOILS REPORT:
ENGINEER: CONVERSE CONSULTANTS
DATE: OCTOBER 15, 1996
PROJECT NUMBER: 96-33529-01

IMPROVEMENT PLANS

FOR ALTA SEWER INTERCEPTOR CITY OF LAS VEGAS STATE OF NEVADA



ESTIMATE OF QUANTITIES

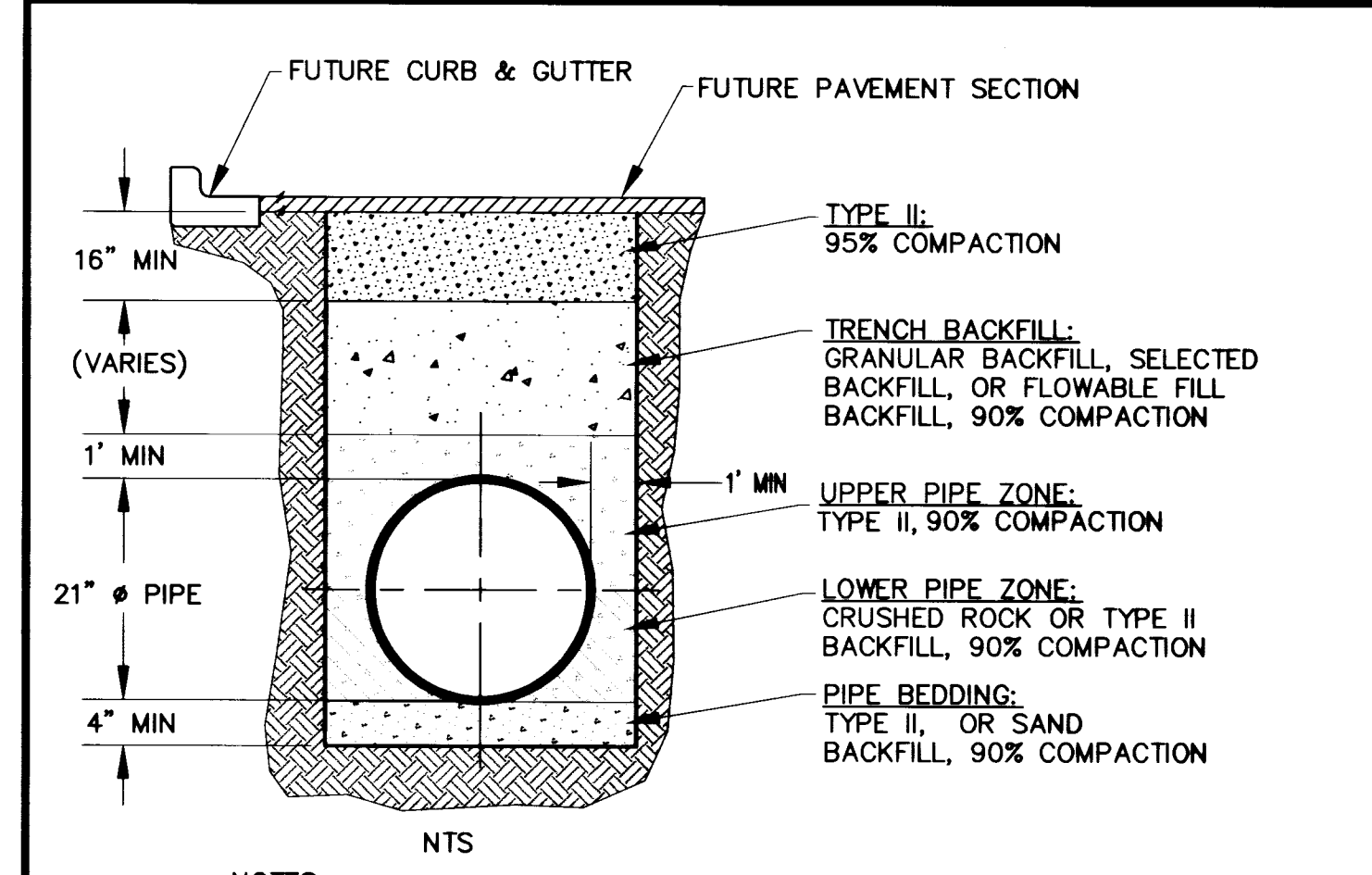
ITEM No.	DESCRIPTION	QUANTITY
1	21" SEWER	6465 LF
2	60" MANHOLE	13 EA

SEWER NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS (SEWER STANDARDS), THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, LATEST EDITION. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATION REFERENCES.
- 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.
- ALL MANHOLES IN UNPAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS AND NEED TO BE 6" MINIMUM ABOVE EXISTING GROUND.
- A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MAIN, MUST BE REINFORCED CONCRETE ENCASED FOR A DISTANCE NOT LESS THAN TEN FEET (10') TO 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 (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.
- SEWER LINE MAINS ONLY TO BE LAID IN SEWER TRENCHES.

DEVIATION FROM STANDARDS

- NONE



- NOTES:**
- REFERENCE:**
UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY, NEVADA (USSPWC) LATEST EDITION
- NO STONES OR LUMPS GREATER THAN 4" PERMITTED IN TRENCH BACKFILL
 - TRENCH EXCAVATION SHALL COMPLY WITH THE CURRENT REGULATIONS AS DETERMINED BY THE NEVADA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
 - AS AN OPTION, FLOWABLE FILL CEMENT BACKFILL MAY BE USED FOR PIPE BEDDING AND PIPE ZONE BACKFILL.
 - THE MATERIAL USED AS PIPE ZONE BACKFILL IN THE PORTION OF THE PIPE ZONE EXTENDING FROM THE PIPE BEDDING UP TO THE PIPE SPRINGLINE SHALL CONSIST OF CRUSHED ROCK OR TYPE II.

APPROVAL

LAS VEGAS VALLEY WATER DISTRICT DATE

INDEX OF SHEETS

- COVER SHEET
- GENERAL NOTES, DETAILS
- SEWER PLAN AND PROFILE
- SEWER PLAN AND PROFILE
- SEWER PLAN AND PROFILE
- SEWER PLAN AND PROFILE
- SEWER PLAN AND PROFILE
- SEWER PLAN AND PROFILE
- SEWER PLAN AND PROFILE
- SEWER PLAN AND PROFILE
- SEWER PLAN AND PROFILE

LEGEND

- SITE BOUNDARY/RIGHT-OF-WAY
- CENTER LINE
- PROPOSED SEWER
- EXISTING SEWER
- MANHOLE

BENCHMARK:

CITY OF LAS VEGAS BENCHMARK NUMBER 0LV0032SSW6 BEING A RIVET & PLATE IN TOP OF CURB NORTHEAST RETURN OF CHARLESTON BLVD. & FDRY APACHE ROAD. ELEVATION = 836.9787 METERS (2745.988 FEET) NAVD88.

NOTE

CENTERLINE INFORMATION ON ALTA DRIVE IS BASED ON AN UNRECORDED FINAL MAP OF "PECCOLE WEST" SUBDIVISION BY PENTACORE SURVEYING, INC.

BASIS OF BEARINGS:

THE CENTERLINE OF RAMPART DRIVE BETWEEN MONUMENT #5 AT THE INTERSECTION OF ALTA DRIVE AND RAMPART BLVD. AND MONUMENT #4 AT THE PC OF RAMPART BLVD. BEARS SOUTH 39°51'15" WEST PER UNRECORDED FINAL MAP OF "PECCOLE WEST" SUBDIVISION BY PENTACORE SURVEYING, INC.

STANLEY CONSULTANTS
1771 EAST FLAMINGO ROAD, SUITE 104-B
LAS VEGAS, NEVADA 89119 (702) 369-9396
INTERNATIONAL CONSULTANTS IN ENGINEERING, PLANNING AND MANAGEMENT

DATE	
REVISIONS	
SCALE (H) N/A	SCALE (V) N/A
SCALE (H) N/A	SCALE (V) N/A
FLD. BK. # N/A	DESIGN BY: AVT/RDB
	DATE: FEB 26, 1997
ENGINEERING DESIGN SECTION	
CITY ENGINEER: DENNIS ANDERSON, P.E.	
DESIGN ENGINEER: STANLEY CONSULTANTS	
CITY OF LAS VEGAS	
PROJECT: ALTA SEWER INTERCEPTOR	
SHEET: GENERAL NOTES AND DETAILS	
DEPARTMENT OF PUBLIC WORKS	
DRAWING NO.	2
307-V751	11

P:\PROJECTS\13109\DWG\VALT_SW1 Mod Feb 26 08:46:11 1997 ROGER B.

212

