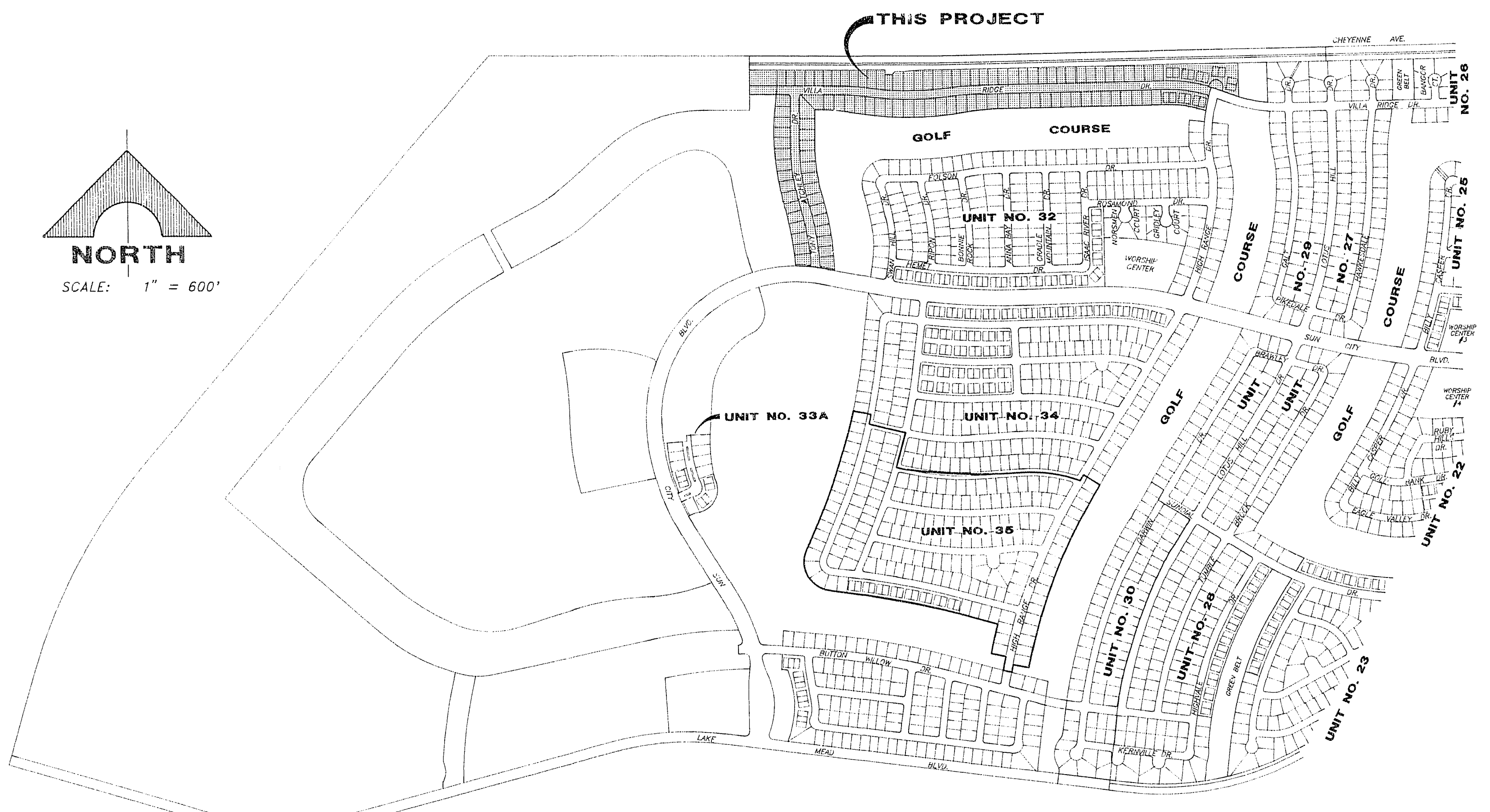
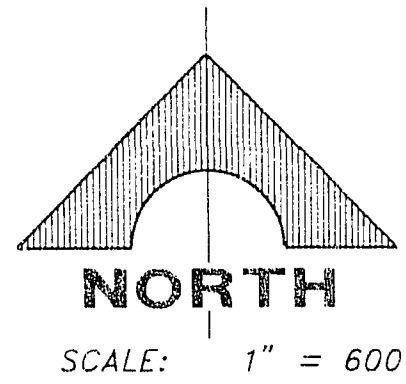


GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN & CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEAREST LATEST EDITION, THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY 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. EXCEPTIONS TO THESE STANDARDS ARE SHOWN BELOW.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY LINES 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 THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN OR NOT SHOWN ON THESE DRAWINGS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS ARE NOT SHOWN ON THE PLANS.
- 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 STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE CITY ENGINEER OR THE UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH WATERLINES HAVE BEEN UNCOVERED UNTIL THE WATERLINES HAVE BEEN PROTECTED 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.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS; ANY ALTERATIONS 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 DESIGN FOR 4,500 P.S.I. WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 (OR AS DESIGNED) BY THE SOILS ENGINEER. MAX DESIGN TO BE APPROVED BY THE QUALITY CONTROL PERSON PRIOR TO USE ON THE PROJECT.
- THE CONTRACTOR SHALL AT HIS OWN EXPENSE, LOCATE ALL 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 AND/OR TELEPHONE FACILITIES OR AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL LOSSES AND LIABILITY IN CONNECTION THEREWITH.
- PERMITS ARE REQUIRED FOR ANY WORK TO THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
- CURB & GUTTER WITH A GRADE OF 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 SHOWN AS POSSIBLE AFTER CONSTRUCTION.
- WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT EACH CORNER OF AN INTERSECTION PER STANDARD DRAWING U22A. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY ENGINEER.
- 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 AND FROM CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE CITY ENGINEER AND AS SHOWN ON PLANS.
- ALL DRAINING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER ON THESE PLANS.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN ON EXISTING PAVEMENT CONDITION REQUIREMENT REGULATION.
- THE CONTRACTOR SHALL MAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ALL MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORD WITH N.E.S. STATUTE NO. 428.004.
- CONSTRUCTION SURVEY: GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTOR IS CAUTIONED TO OBSERVE THE FOLLOWING RULES IN USING THE GRADE STAKES GIVEN BY THIS OFFICE: THREE (3) CONSECUTIVE POINTS THAT ARE SHOWN TO BE ON THE SAME RATE OF SLOPE MUST BE USED IN COMMON IN ORDER THAT ANY VARIATION OUT OF A PERFECT STRAIGHT GRADE MAY BE DETECTED IN CASE ANY SUCH INCONSISTENCY IS FOUND, THE SAME MUST BE REPORTED, OTHERWISE THIS OFFICE WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE GRADE OF THE FINISHED WORK.
- THESE PLANS SHALL BE ON THE JOB SITE AT ALL TIMES.



Del Webb's
Sun City Las Vegas
at Summerlin

KEY MAP

SEWER NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN & CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEAREST LATEST EDITION, THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY 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. EXCEPTIONS TO THESE STANDARDS ARE SHOWN BELOW.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CONTROLLING AGENCY.
- CHISEL "S" OR "C" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
- POLYVINE (PVC) SEWER PIPE SHALL MEET ASTM D-1534 DR15 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL TYPE II GRAVEL.
- ALL MANHOLES IN PAVED STREETS, 60" R.1' AND LARGER, SHALL HAVE CONCRETE COLLARS.
- TEE SADDLES SHALL BE USED TO CONNECT OVER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. SIZE. CONNECTION TO 12" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
- 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.

STREET LIGHTING NOTE

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 ON THIS PAGE. SEE UNIFORM STANDARD DWG. NO. 319.

STREET NOTES

- A.C. PAVEMENT TO BE 1/2" ABOVE LIP OF CUTTER AFTER COMPACTED.
- TYPE I SUBGRADE UNDER A.C. PAVEMENT, CURB AND GUTTER TO BE CONTIGUOUS.
- APPLY F700 SEAL ONLY AFTER FINAL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
- THE MAXIMUM GRADE BREAK OCCURRING IN THE C&G'S SECTION SHALL BE 2% AND SHALL FALL BETWEEN A DRIVING LANE AND A PARKING LANE.
- NATIVE MATERIAL MAY BE USED IN LIEU OF TYPE I WHEN PRETESTED FOR APPROVAL IN ACCORDANCE WITH CITY OF LAS VEGAS STATEMENT OF POLICY DATED 7/25/85.
- A.C. PAVEMENT TO BE INSTALLED IN TWO (2) LIFTS AS FOLLOWS:
1" TOP COURSE BY THE CITY OF LAS VEGAS.
1" BASE COURSE BY THE CONTRACTOR.

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600
UNDERGROUND SERVICE (USA)

KERN RIVER PIPELINE ENCROACHMENT SPECIFICATIONS

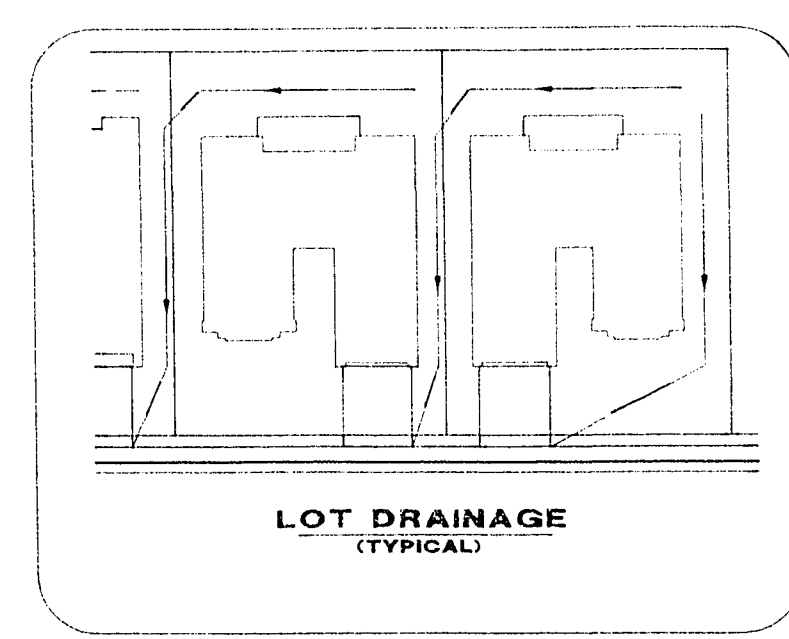
REFERENCE EXHIBIT "C" STIPULATION BETWEEN KERN RIVER GAS TRANSMISSION COMPANY AND DEL WEBB COMMUNITIES, INC. DATED APRIL 1, 1991. COPIES AVAILABLE FROM DEL WEBB COMMUNITIES, INC. A PORTION OF THIS PROJECT FALLS WITHIN THE KERN RIVER PIPELINE EASEMENT. ALL ENCROACHMENT SPECIFICATIONS SHALL BE ADHERED TO.

BENCHMARKS

CLV BENCHMARK: TOP OF CURB AT END OF CURB, WEST SIDE OF DURANGO DRIVE, 250' SOUTH OF WESTCLIFF BOULEVARD. ELEVATION: 2616.76

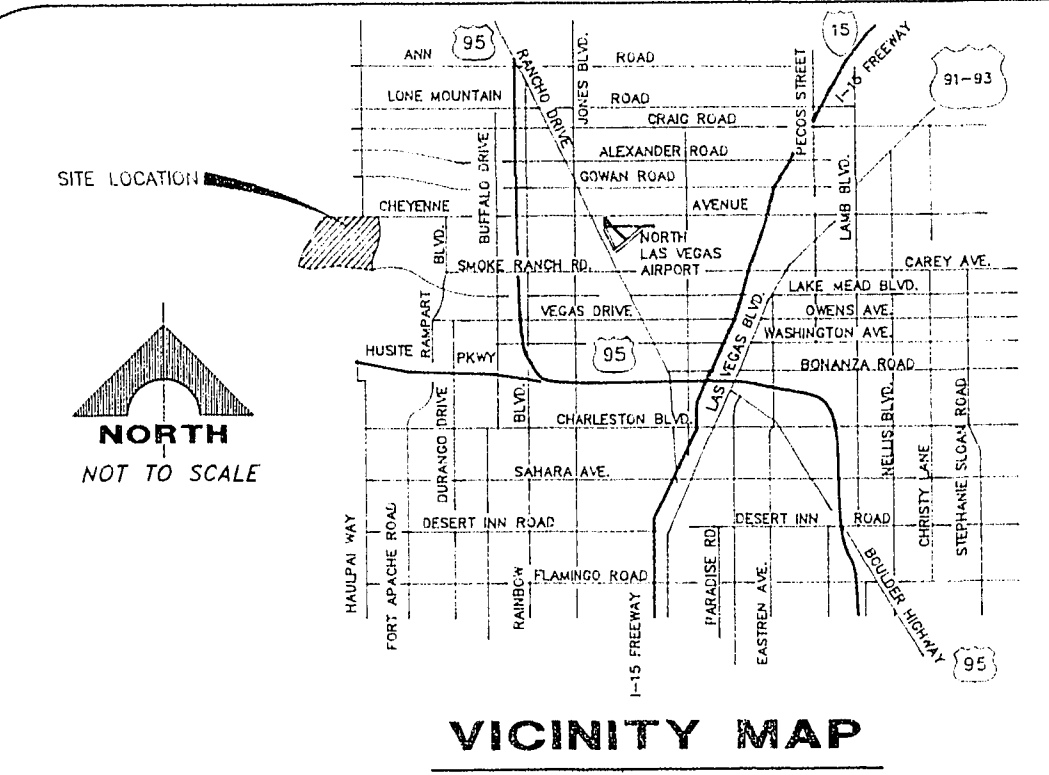
PROJECT BENCHMARK: BRASS CAP 11" (10") P.I.F., 100' NORTH AND 100' WEST OF THE INTERSECTION OF SUNI CITY BLVD. AND THOMAS W. RYAN BLVD. N 532,706.153, E 577,416.901 ELEVATION: 2855.24

DEVIATIONS FROM STANDARD DRAWINGS



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APPROVAL

DENNIS ANDERSON
CITY ENGINEER
CITY OF LAS VEGAS, NEVADA

DATE _____

DEL WEBB COMMUNITIES, INC.
SUN CITY LAS VEGAS UNIT NO. 37
GENERAL NOTES & MISCELLANEOUS

REGISTERED PROFESSIONAL ENGINEER - STATE OF NEVADA
MICHAEL D. BOSS, P.E.
NO. 8218

RECLAIMED PAPER PRODUCT
50% POST CONSUMER WASTE
11 lbs. 11.25 oz. E. W.C. DATE

G.C. WALLACE, INC.
Engineering, Architecture
1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89102

SHEET
2
OF 26 SHEETS

JOB NO. 701.164
DRAWING: 07/22/94 201 pm
DRAWING: 07-1