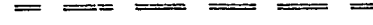
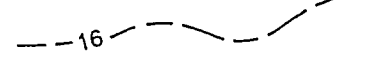
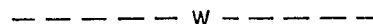
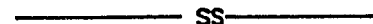
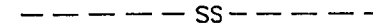
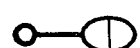


ABBREVIATIONS

AC	ASPHALTIC CONCRETE
BC	BACK OF CURB
CL	CENTERLINE
CLV	CITY OF LAS VEGAS
CONC.	CONCRETE
C	CURVE
C.C.S.D.	CLARK COUNTY SANITATION DISTRICT
DWG.	DRAWING
EP	EDGE OF PAVEMENT
ELEV.	ELEVATION
EXIST.	EXISTING
FG	FINISH GRADE
FL	FLOWLINE
G	GAS
GB	GRADE BREAK
INV.	INVERT
L.V.V.W.D.	LAS VEGAS VALLEY WATER DISTRICT
L.F.	LINEAR FEET
MH	MANHOLE
PB	PULL BOX
P.L.S.	PROFESSIONAL LAND SURVEYOR
PL	PROPERTY LINE
(R)	RADIAL
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
S	SLOPE
SS	SANITARY SEWER
SHT	SHEET
STD	STANDARD
SL	STREET LIGHT
TC	TOP OF CURB
TMH	TOP OF MANHOLE
(TYP)	TYPICAL
W	WATER

LEGEND

	PROPERTY LINE
	STREET CENTERLINE
	SETBACK LINE
	EXISTING CURB & GUTTER
	EXIST CONTOUR LINE
	WATER LINE
	EXIST WATER LINE
	SANITARY SEWER LINE
	EXIST. SANITARY SEWER LINE
	EXISTING EDGE OF PAVEMENT
	BLOCK WALL
	SAWCUT LINE
	EXIST. SEWER MANHOLE
	PROPOSED SEWER MANHOLE
TMH	TOP OF MANHOLE
INV.	INVERT
(84.11)	EXIST. ELEVATION
00.00	PROPOSED ELEVATION
53	LOT NUMBER
	BLOCK NUMBER
	EXIST. STREET LIGHT
	PROPOSED STREET LIGHT
	NEW AC PAVEMENT
	NEW CONCRETE

GENERAL NOTES

- * 1. ALL CONSTRUCTION AND MATERIAL 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, 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".
- * 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 HANDICAP 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 SAWCUT 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, ETS. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS 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.

DEVIATIONS FROM STANDARDS	
NONE	

BASIS OF BEARINGS

NORTH 89°28'53" WEST - THE NORTH LINE OF THE SOUTHWEST QUARTER (SW 1/4)
OF SECTION 4, TOWNSHIP 21 SOUTH, RANGE 60 EAST M.D.B. & M. AS SHOWN ON
PARCEL MAP FILE 63, PAGE 18, CLARK COUNTY RECORDS.

BENCH MARK

CITY OF LAS VEGAS BENCH MARK NO. ILV10-4SSW6 RIVET IN PLATE IN TOP
OF CURB AT 8260 W. SAHARA AVENUE.
ELEVATION 2610.93 FEET. NAVD 1988 DATUM.

NOTICE TO CONTRACTOR

QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

1. 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 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 first 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 backfill of Type II gravel.
5. All manholes in paved streets 30' 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" diameter in 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 encased 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 the tolerance will have to be repaired or removed and replaced to the satisfaction of the City Engineer prior to acceptance by the City.

UTILITY NOTE

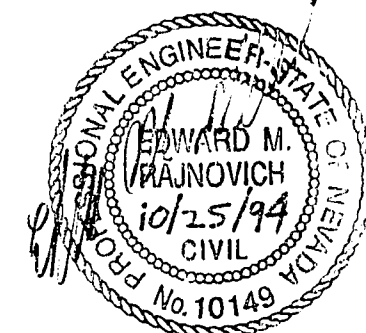
THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE OR FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NON-EXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES AND/OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.

CALL 1 800 227 2600 BEFORE YOU DIG

SHEET INDEX	
DESCRIPTION	NO.
COVER SHEET.....	1
GRADING PLAN.....	2
STREET PLAN & PROFILE - OAKLEY BOULEVARD.....	3
STREET PLAN & PROFILE - CIMARRON ROAD.....	4
UTILITY PLAN.....	5

VICINITY MAP

A vicinity map showing a grid of streets. The vertical streets from left to right are O'Bannon Ave., Durango Blvd., Lisa Lane, Tomsik St., and Cimarron Ave. The horizontal streets from top to bottom are Oakey Blvd., El Parque Ave., and O'Bannon Ave. A shaded square is located at the intersection of Oakey Blvd. and Cimarron Ave. A north arrow is in the top left corner, pointing upwards, with the text "(N.T.S.)" below it. A curved arrow points from the shaded square towards the top right corner of the map.



APPROVALS

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS. EXCEPT THOSE SPECIFICALLY LISTED UNDER "DEVIATIONS FROM STANDARDS".

THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN "DEVIATIONS FROM STANDARDS" IN FAVOR OF THE UNIFORM STANDARDS DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

LAS VEGAS CITY ENGINEER

DATE

PREPARED FOR : WIL FRIEDMAN	DATE	MAY, 1984	DATE	NO	REVISIONS	APPD
	DESIGN DRAWN CHECK SCALE	ANM ANM NONE NONE	CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS LAS VEGAS, NEVADA 1210 WINSTON STREET (702) 870-8771			

DWG: FRIED 1994

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