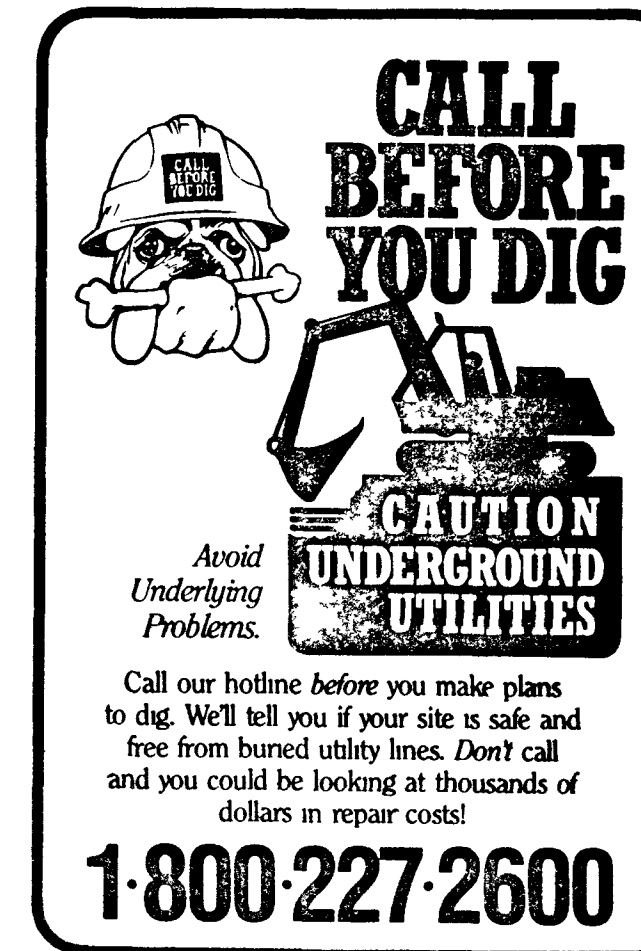
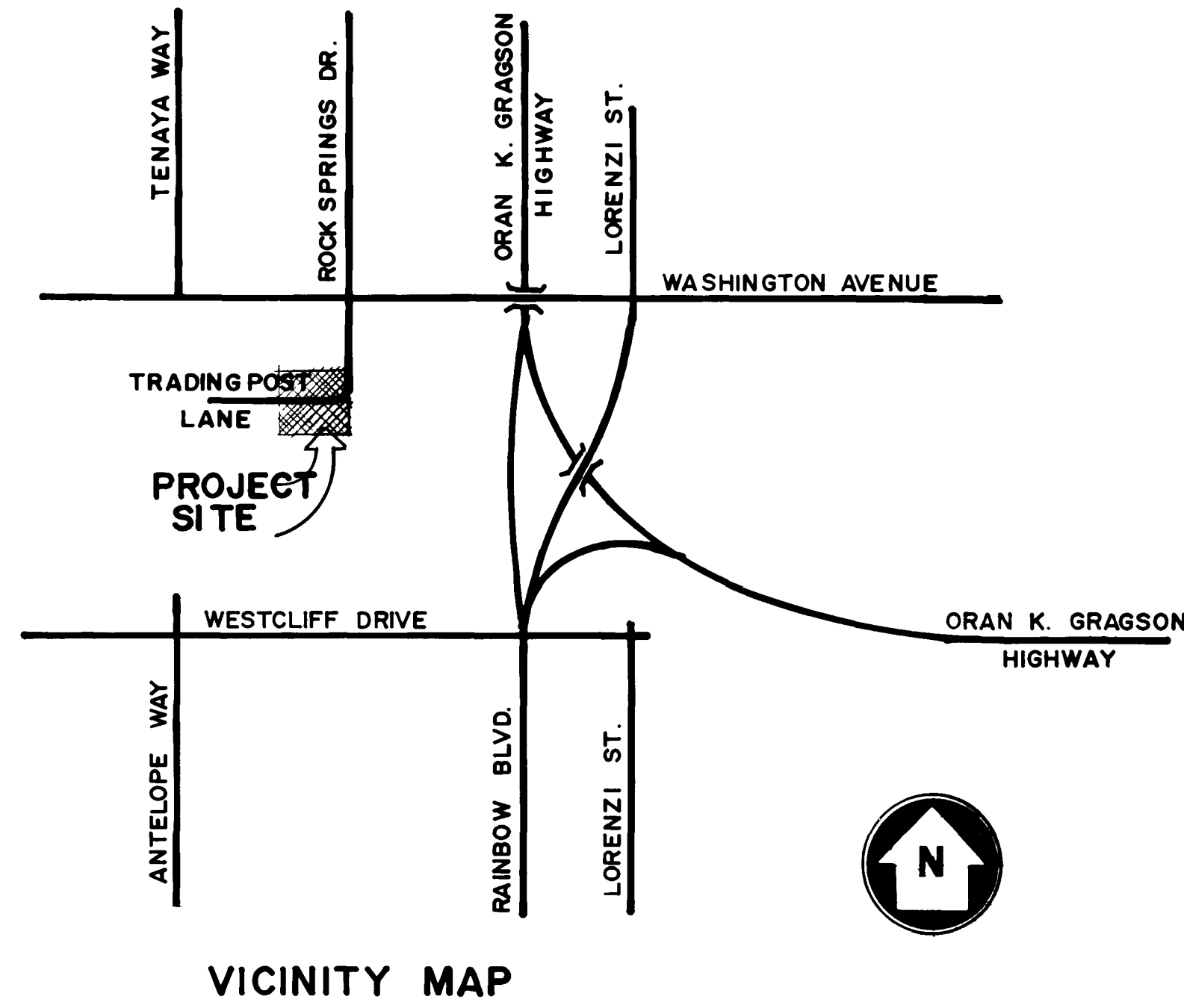


GENERAL NOTES

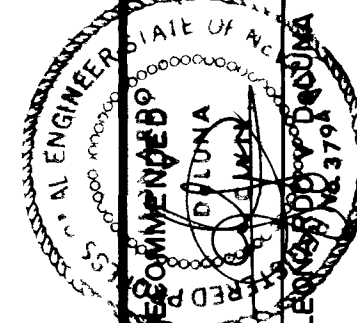
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND NEW SURFACES TO PROVIDE FOR PROPER DRAINAGE AND OF INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE CITY ENGINEER.
- EXISTING UTILITIES ARE LOCATED ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF THE UTILITIES AND THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. CALL BEFORE YOU DIG, 1-800-227-2600.
- CONSTRUCTION TO BE PER "UNIFORM STANDARD SPECIFICATIONS AND DRAWINGS", THE CITY OF LAS VEGAS, NEVADA, (LATEST EDITION).
- CONSTRUCTION SURVEY: GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTORS ARE CAUTIONED TO OBSERVE THE FOLLOWING RULES IN USING THE GRADE STAKES GIVEN. 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 DISCREPANCY IS FOUND, THE SAME MUST BE REPORTED, OTHERWISE WE WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE GRADE OF THE FINISHED WORK.
- WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT ALL STREET INTERSECTIONS PER STANDARD DRAWING D22A. EXACT LOCATION OF RAMPS TO BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR.
- STANDARD STREET SECTIONS PER STANDARD DRAWINGS UNLESS NOTED OTHERWISE.
- CURB AND 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 SOON AS POSSIBLE AFTER CONSTRUCTION.
- EXACT LOCATIONS OF ALL SAWCUTS TO BE DETERMINED BY A CITY OF LAS VEGAS INSPECTOR IN THE FIELD.
- USE TYPE "1" CONCRETE IN ALL OFFSITE CONCRETE WORK.
- CHISEL "S" FOR SEWER AND "G" FOR GAS WHERE THESE LINES PASS UNDER THE CURB.



INDEX OF DRAWINGS

SHT. NO.	TITLE
1	COVER SHEET
2	INDEX, ESTIMATE OF QUANTITIES, ETC.
3	PLAT MAP
4	PLAT MAP
5	UTILITY PLAN
6	TRADING POST LANE & ROCK SPRINGS DR.
7	GRADING PLAN

REV	DATE	DESCRIPTION
1	6-29-87	REV. ST. LIGHT QUANTITIES
2	1/12/87	DATE
3	3794	R.E. NO.



LEONARDO DeLUNA, P.E.
2104 SARGENT STREET
LAS VEGAS, NEVADA 89102
TEL. NO. 873-5781

SEWER NOTES

- HOUSING SERVICES SHALL COMPLY WITH THE WESTERN PLUMBING CODE AS TO SEPARATION DISTANCE.
- ALL HOUSES TO BE SERVED INDIVIDUALLY AS PER SECTION 313 OF THE UNIFORM PLUMBING CODE.
- CONCRETE COLLARS REQUIRED AROUND WATER VALVES AND MANHOLE COVERS AT SURFACE OF PAVED AREAS ON ALL STREETS.

STREET LIGHTING NOTE

ALL STREET LIGHTING INSTALLATIONS SHALL CONFORM TO THE LATEST ISSUE OF 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 UTILITIES", CHASE COUNTY, NEVADA AREA, UNLESS OTHERWISE NOTED.

STREET NOTES

- DESIGNER SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND NEW SURFACES TO PROVIDE FOR PROPER DRAINAGE AND OF INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE CITY ENGINEER.
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- CHISEL "S" FOR SEWER AND "G" FOR GAS WHERE THESE LINES PASS UNDER THE CURB.

ESTIMATE OF QUANTITIES

STREET IMPROVEMENTS:

2" A.C.P. PAVEMENT WITH 4" TYPE 2 AND 6" TYPE 1 GRAVEL BASE	2379	SF
1" TYPE CURB & GUTTER (24")	221	LF
ROLL TYPE CURB & GUTTER (30")	719	LF
4.0' CONCRETE SIDEWALK	1806	SF
4.5' CONCRETE SIDEWALK	1422	SF
6" CONCRETE VALLEY GUTTER	799	SF
CONCRETE DRIVEWAY (16' X 4.5')	792	SF

WATER:

STD. FH WITH 6" S.I. & 6" A.C.P. LAT.	1	EA
8" A.C.P.	343	LF
4" A.C.P.	114	LF
4" GATE VALVE WITH VALVE BOX & COVER	1	EA
3/4" SERVICE	11	EA
METER BOX	11	EA
3/8" METER INSTALLATION BY 1" MIN.	11	EA
2" BLOW-OFF ASSEMBLY	1	EA

SEWER:

8" PIPE	3	EA
8" MANHOLE	625	LF
4" PVC SEWER LATERAL	454	LF
DROP MANHOLE	1	EA

STREET LIGHTS:

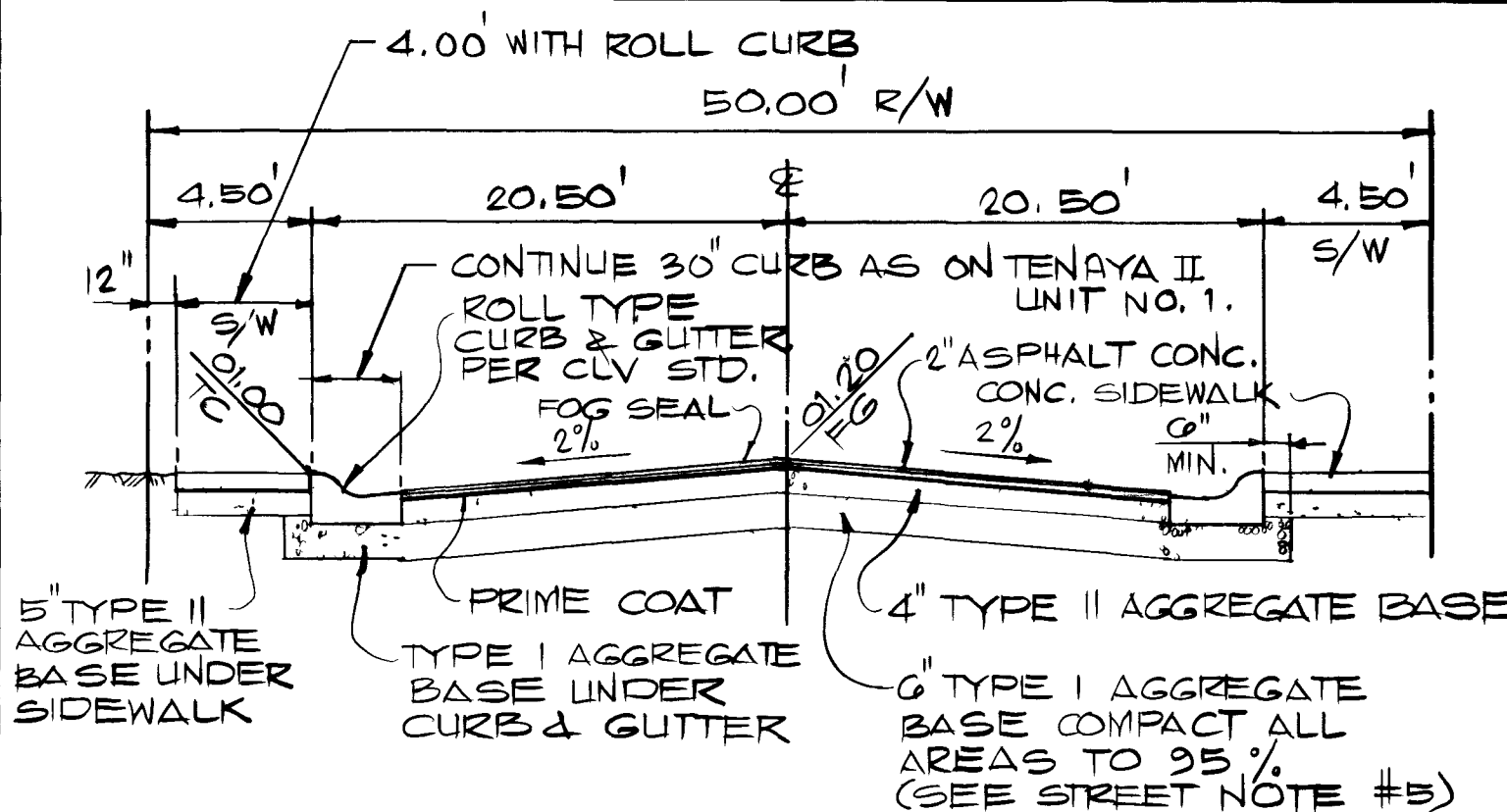
100 W. LUMINAIRE WITH 11 GA. POLE	1	EA
1 1/4" PVC CONDUIT	125	F

MISCELLANEOUS:

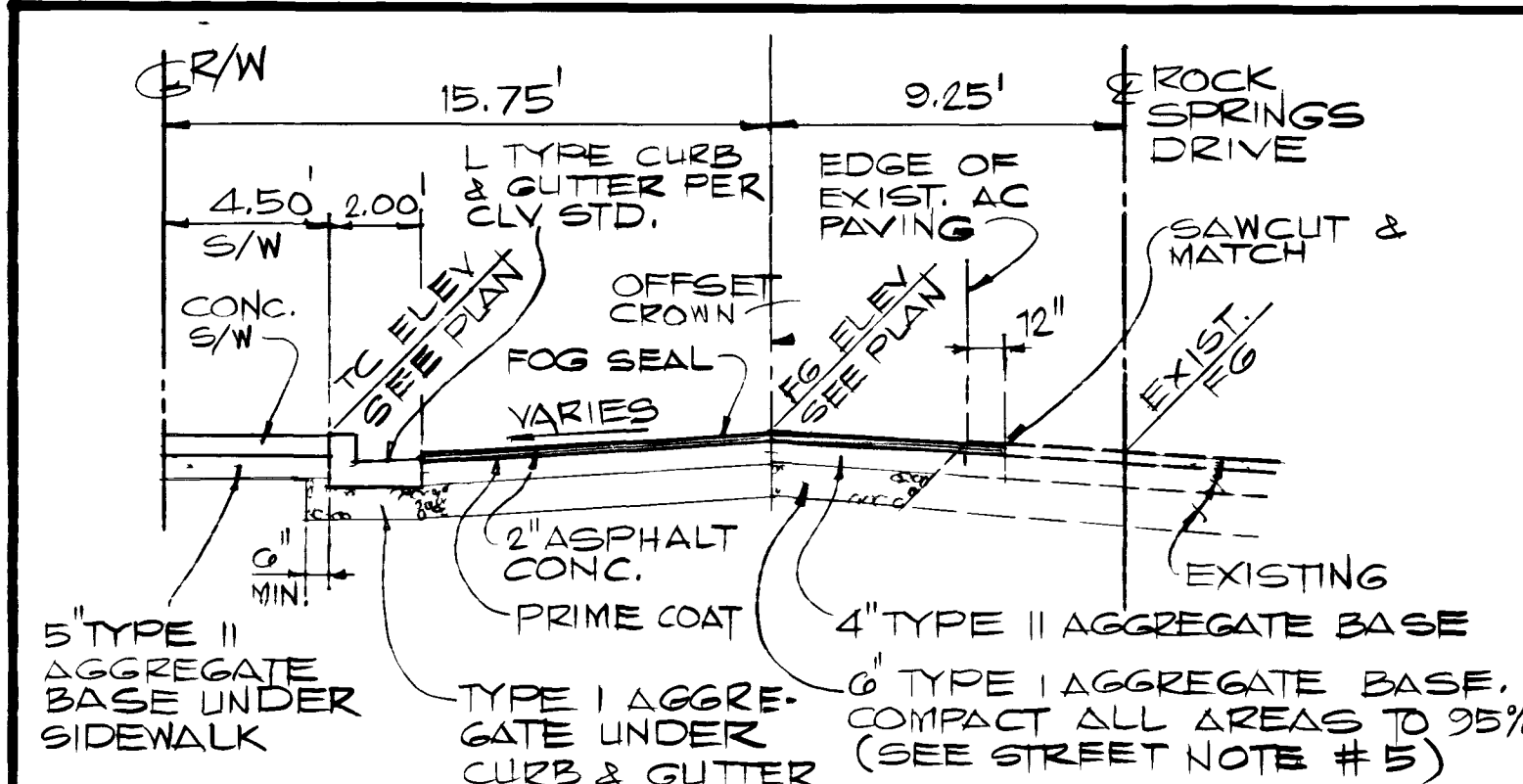
STREET SIGN	4700	EA
STOP & STREET SIGN	1	EA

NOTE:

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



TYPICAL STREET SECTION - TRADING POST LANE



TYPICAL STREET SECTION - ROCK SPRINGS DRIVE

BENCHMARK

BRASS CAP IN TOP OF CURB AT THE SOUTHEAST CORNER OF THE INTERSECTION OF WESTCLIFF DRIVE AND ANTELOPE WAY.
ELEVATION = 2431.58 C.L.V. DATUM

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THESE PLANS AND/OR SPECIFICATIONS COMPLY WITH ALL APPLICABLE OBJECTIVES, MINIMUM PROPERTY STANDARDS, AND REQUIREMENTS, AND REFER TO THE SPECIFIC PROCESSING JUDGMENT.

LEONARDO DeLUNA
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
LICENSE NO. 3794
DATE: 1/12/87

APPROVALS

Charles Kupchak
CL ENGINEER
DATE: 1-26-87

N/A
QUALITY CONTROL ENGINEER
DATE:

R. Dupler
DATE: 1/23/87

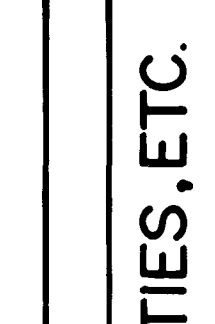
R.B. Anton
CL ENGINEER
DATE: 1-14-87

George Lewis
DATE: 1-14-87

Ernest Rogers
DATE: 1/14/87

John P. Smith
CL TRAFFIC ENGINEER
DATE: 1/14/87

Leonardo Deluna
CL CHIEF LAND DEVELOPMENT
DATE: 1-14-87



J.A. BLACK CONSTRUCTION
ROCK SPRINGS UNIT NO. 1
INDEX, ESTIMATE OF QUANTITIES, ETC.

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.
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VICINITY MAP



INDEX OF DRAWINGS

NO.	TITLE
1	OWNER AVERT
2	INDEX, ESTIMATE OF QUANTITIES, ETC.
3	PLAN MAP
4	PLAN MAP
5	UTILITY PLAN
6	TRASKPORT LANE ROCK SPRINGS DR.
7	ROADWAY PLAN



GENERAL NOTES

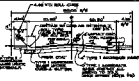
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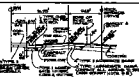
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ESTIMATE OF QUANTITIES

ITEM DESCRIPTION	QUANTITY	UNIT	ESTIMATE
1. ASPHALT PAVEMENT	1000	SQ. YD.	1000
2. CONCRETE PAVEMENT	500	SQ. YD.	500
3. CURB AND GUTTER	100	LINEAL FT.	100
4. SIDEWALK	200	LINEAL FT.	200
5. UTILITY TRENCHES	50	LINEAL FT.	50
6. EROSION CONTROL	10	SQ. YD.	10
7. SIGNAGE	5	NO.	5
8. TRUCK AND EQUIPMENT	100	HOURS	100
9. LABOR	1000	HOURS	1000
10. MATERIALS	1000	TONS	1000



TYPICAL STREET SECTION - TRASKPORT LANE



TYPICAL STREET SECTION - ROCK SPRINGS DRIVE

APPROVALS

APPROVED FOR THE OWNER AS SHOWN ON THESE PLANS AND SPECIFICATIONS AND AS A CONDITION OF AWARD OF CONTRACT BY THE BOARD OF SUPERVISORS.

DATE: 10/15/02

LEONARD CALLANA, P.E.

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR BIDDING	10/15/02
2	REVISED PER COMMENTS	10/20/02
3	REVISED PER COMMENTS	10/25/02
4	REVISED PER COMMENTS	11/01/02
5	REVISED PER COMMENTS	11/05/02
6	REVISED PER COMMENTS	11/10/02
7	REVISED PER COMMENTS	11/15/02

LEONARD CALLANA, P.E.
10/15/02
INDEX, ESTIMATE OF QUANTITIES, ETC.