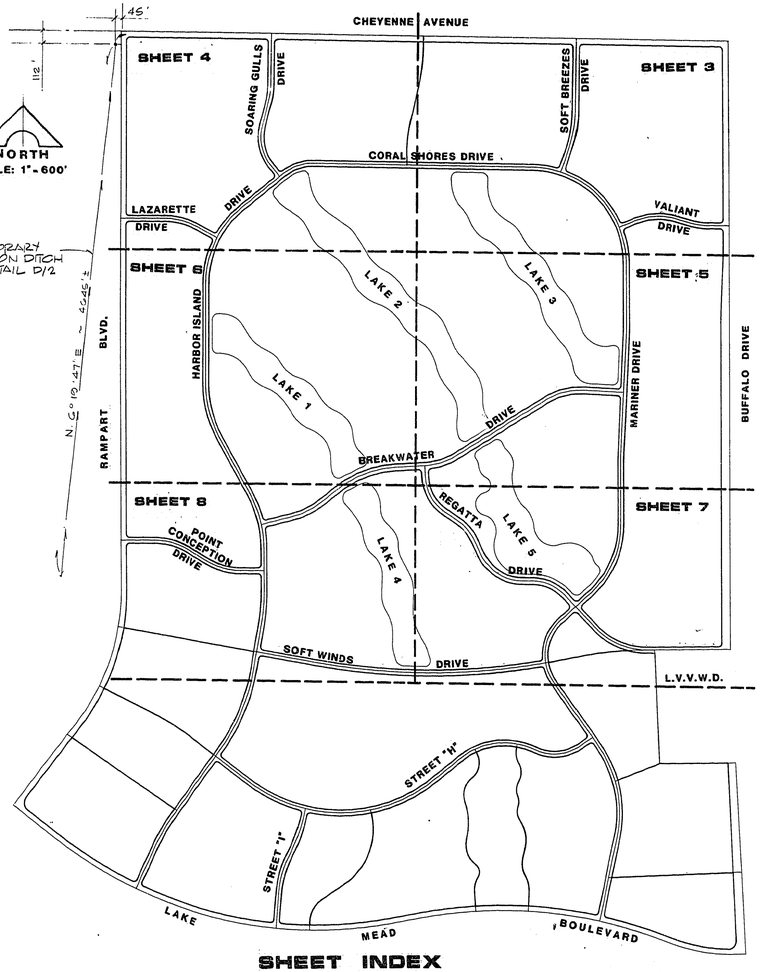

SHEET INDEX

1. COVER SHEET
2. MASS GRADING INDEX & TYPICAL ROAD SECTIONS
3. MASS GRADING PLAN
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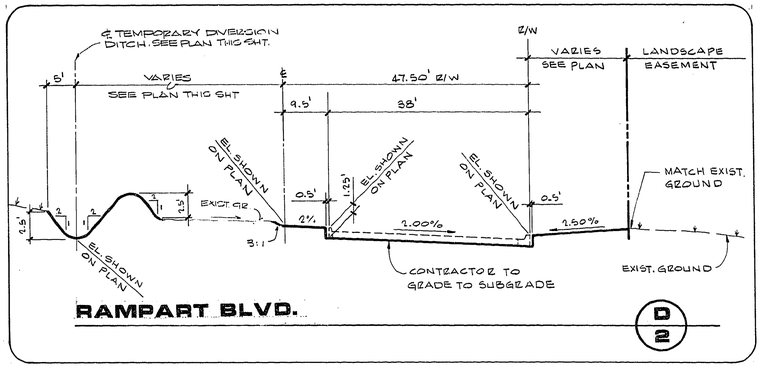
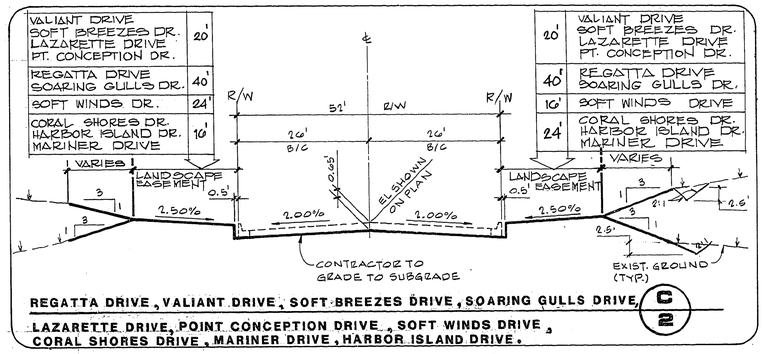
5. MASS GRADING PLAN
6. MASS GRADING PLAN
7. MASS GRADING PLAN
8. MASS GRADING PLAN
9. TYPICAL LAKE SECTIONS



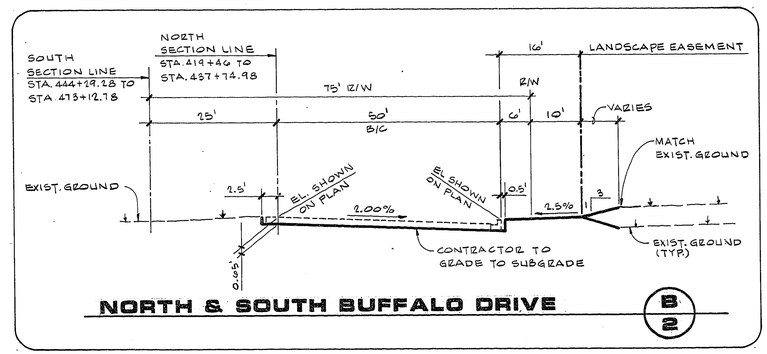
RAMPART BLVD.

D/2



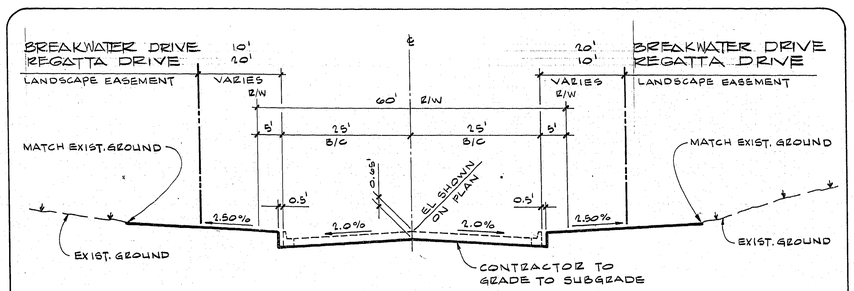
REGATTA DRIVE, VALIANT DRIVE, SOFT BREEZES DRIVE, SOARING GULLS DRIVE, LAZARETTE DRIVE, POINT CONCEPTION DRIVE, SOFT WINDS DRIVE, CORAL SHORES DRIVE, MARINER DRIVE, HARBOR ISLAND DRIVE.

C/2



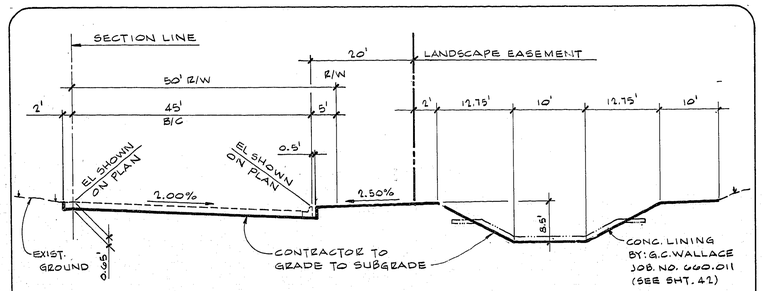
NORTH & SOUTH BUFFALO DRIVE

B/2



BREAKWATER DRIVE
REGATTA DRIVE

E/2



CHEYENNE AVENUE

A/2

1. INDICATED GRADES OTHER THAN T.C., F.G. AND GUTTER F.L. ARE ROUGH GRADES.
2. THE MASS GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE MASS GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINES AND GRADES SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLANS WILL RESULT IN QUANTITY CHANGES.
3. A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA, HOWEVER, THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS, AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION AND SHALL DETERMINE THE EXACT LOCATION OF UTILITIES IN THE AREA.
4. CONTRACTOR SHALL PROVIDE LEVEL BOTTOM IN ALL LAKE AREAS AT ELEVATIONS AS SHOWN ON THE PLANS. SIDE SLOPES OF LAKES SHALL BE AS SHOWN ON DETAILS OF LAKE SECTIONS.
5. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER.
6. PRIOR TO BIDDING THE WORK THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS, EARTHWORK QUANTITIES, IF ANY. NO CLAIM SHALL BE MADE AGAINST THE OWNER/DEVELOPER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.
7. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK, AND HE WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
8. ALL EARTHWORK CONSTRUCTION SHALL CONFORM TO THE LATEST CITY OF LAS VEGAS STANDARD SPECIFICATIONS INCLUDING ANY SUPPLEMENTS THERETO AND THE SOILS REPORT PREPARED BY:

   WESTERN TECHNOLOGIES, INC.
   3611 WEST TOMPKINS AVENUE
   LAS VEGAS, NEVADA 89103

   PROJECT NO. 4127J119

9. CONTRACTOR SHALL REFER TO SOIL BORINGS FOR INFORMATION ON SUBSURFACE CONDITIONS WHICH ARE PRESENTED FOR INFORMATIONAL PURPOSES. FURTHER INVESTIGATION BY THE CONTRACTOR MAY BE NECESSARY TO DEVELOP AN APPROPRIATE UNDERSTANDING OF THOSE CONDITIONS.
10. AN ESTIMATED SHRINKAGE FACTOR OF 25% FOR THE UPPER LOOSE TO MEDIUM DENSE DEPOSITS AND 5% TO 10% FOR DENSE TO VERY DENSE DEPOSITS IS RECOMMENDED BY THE ABOVE SOILS REPORT. ALSO A SUBSIDENCE FACTOR OF 0.1 FOOT IS ESTIMATED.
11. EARTH QUANTITIES:

    EXCAVATION:
    FILL:

    A. THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OF SHRINKAGE.

    B. THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT ADDITIONAL PROTECTIVE DITCHES OR BERMS. (NOT SHOWN ON PLANS).

12. LOCATION AND DESIGNATION OF BORINGS SHOWN ON DRAWINGS CORRESPOND TO BORING LOGS AS SHOWN IN ABOVE REFERENCED SOILS REPORT.

NOTE

STREET NAMES SHOWN ON DWG'S ARE FOR REFERENCE DURING CONSTRUCTION ONLY. CORRECT STREET NAMES ARE SHOWN ON FINAL MAP AND ARE AS FOLLOWS:

ORIGINALLY SHOWN ON DRAWING	CORRECT NAME
STREET "A"	REGATTA DRIVE
STREET "B"	VALIANT DRIVE
STREET "C"	SOFT BREEZES DRIVE
STREET "D"	SOARING GULLS DRIVE
STREET "E"	LAZARETTE DRIVE
STREET "F"	POINT CONCEPTION DRIVE
STREET "G"	SOFT WINDS DRIVE
STREET "J"	BREAKWATER DRIVE
STREET "K"	REGATTA DRIVE
LOOP ROAD NORTH	CORAL SHORES DRIVE
LOOP ROAD EAST	MARINER DRIVE
LOOP ROAD WEST	HARBOR ISLAND DRIVE
BUFFALO DRIVE	BUFFALO DRIVE
CHEYENNE AVE.	CHEYENNE AVENUE
EL CAPITAN WAY	RAMPART BLVD.

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

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

BENCHMARK

TOP OF CURB - WEST SIDE OF DURANGO, 250' SOUTH OF WESTCLIFF.
C.L.V. DATUM. ELEV. = 2610.16

CONSTRUCTION BENCH

TOP OF B.L.M. BRASS CAP E1/16 $\frac{9}{16}$
ON CHEYENNE 1/4 MILE WEST OF BUFFALO.
ELEV. = 2388.62

REV	DATE	DESCRIPTION
1	1-13-88	DWGS. DWT. D/2 AND ADDED DIVERSION DITCH TO PLAN

RECOMMENDED FOR APPROVAL
DATE 1-12-88
3243 R.E. NO.
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
No. 3243
CIVIL

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

R A HOMES
DESERT SHORES
MASS GRADING INDEX & TYPICAL ROAD SECTIONS

SHEET 2 OF 9 SHEETS

JOB NO. 660.011 5/14/87

8/84 DIETERICH-POST 6532B

Grdy 1077-1248