

LOCATION MAP

BASIS OF BEARING

THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 20 SOUTH, RANGE 61 EAST, N.D.M. WHICH BEARS SOUTH 02°02'00" EAST AS SHOWN BY MAP IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN BOOK 49 OF PLATS ON PAGE 20.

BENCHMARK

CLARK COUNTY BENCHMARK NO. 10 STATION 1LV0119M RIVET AND PLATE IN TOP OF CURB, SE RETURN DECATUR BLVD. AND LAKE MEAD BLVD.

ELEVATION 670.3150 METERS (2199.19 U.S. SURVEY FEET) NAVD 83
 METERS x (3937 / 1200) = U.S. SURVEY FEET

LEGAL DESCRIPTION

A PORTION OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 19, TOWNSHIP 20 SOUTH, RANGE 61 EAST, IN THE CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

GRADING NOTES

- IN THE EVENT THAT ANY UNFORSEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

A. PAVEMENT AREA SUBGRADE	HORIZONTAL 0.1'+	VERTICAL COMPACTION +0.0' TO -0.1' AS INDICATED ON PLAN
B. ENGINEERED FILL	0.5'+	+0.1' TO -0.1' MINIMUM OF 90% OR SHOWN ON PLANS

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE AND COPIES OF TEST RESULTS WILL BE PROVIDED TO THE CITY.

ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.

THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.

THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

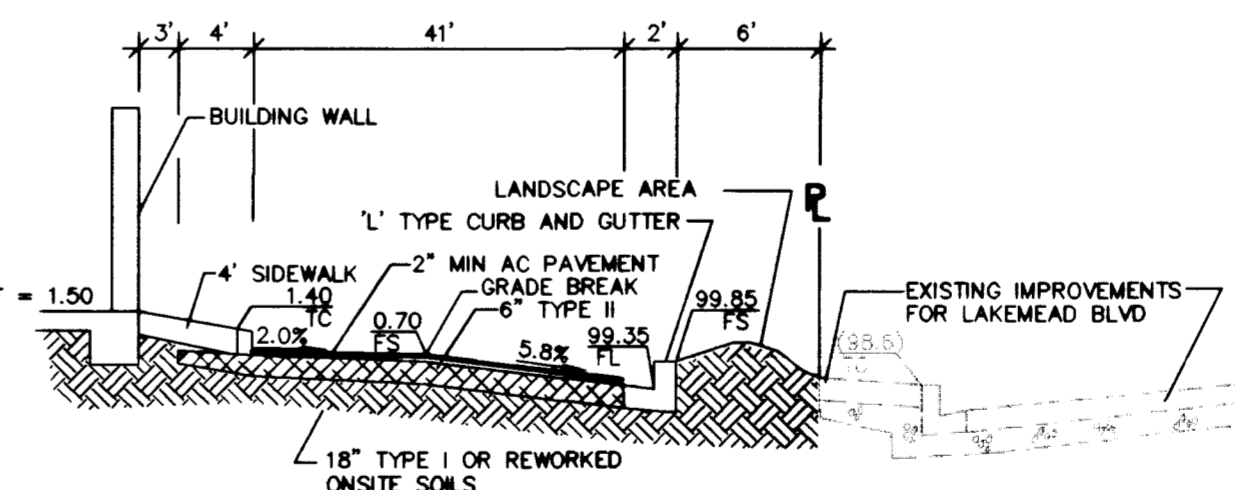
IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

LEGEND

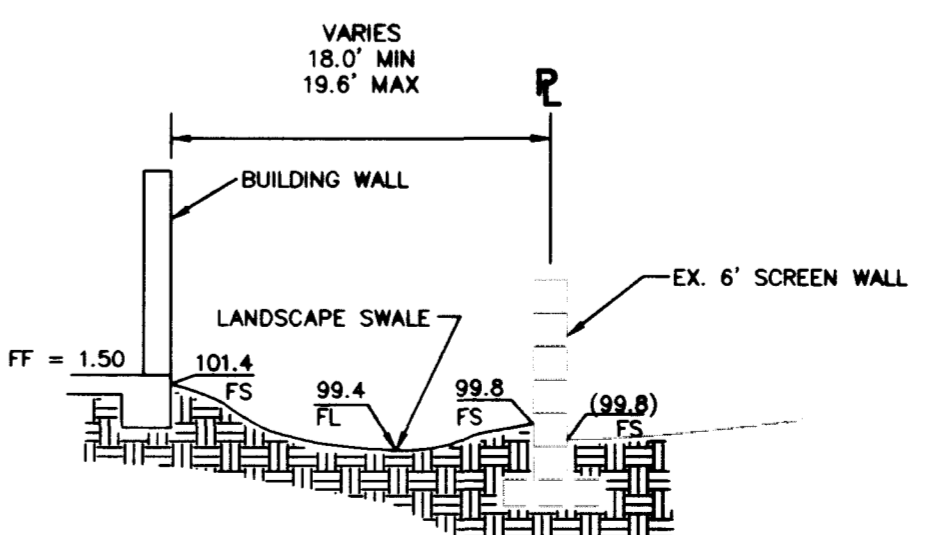
- RETAINING BLOCK WALL
- BLOCK WALL
- EXISTING IMPROVEMENTS
- INTERMEDIATE CONTOUR
- INDEX CONTOUR
- PROPERTY LINE
- FLOW PATH
- SETBACK LINE
- HP HIGH POINT
- EOP EDGE OF PAVEMENT
- FF FINISHED FLOOR
- FS FINISH SURFACE
- FL FLOW LINE
- TC TOP OF CURB
- TW TOP OF SCREEN WALL
- TRW TOP OF RETAINING WALL
- GB GRADE BREAK
- DI DROP INLET
- (XX) EXISTING GRADE

CONSTRUCTION NOTES

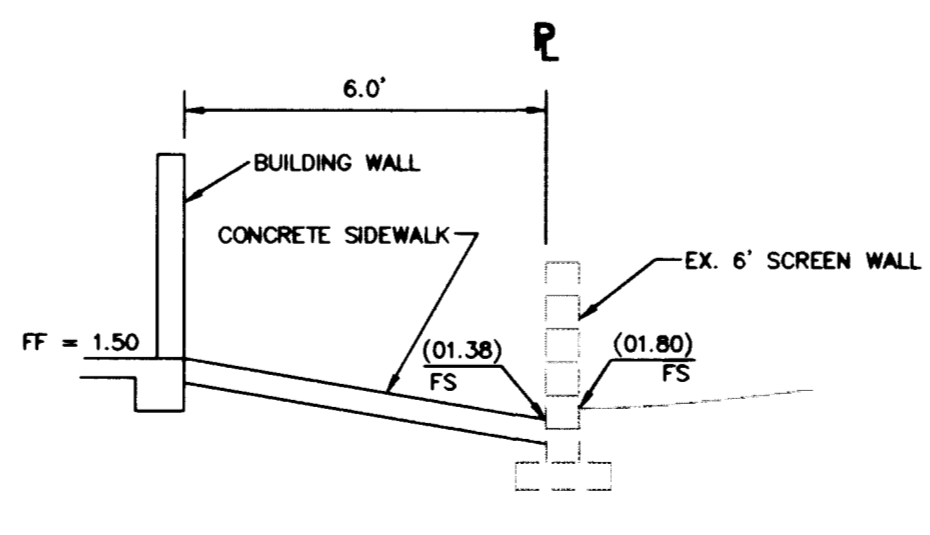
- CONSTRUCT SIDEWALK RAMP PER CC STD. DWG NO. 235 CASE III, A = 8.0' B = 8.0'
- CONSTRUCT SIDEWALK RAMP PER CC STD. DWG NO. 235 CASE III, A = 15.0' B = 4.5'
- CONSTRUCT "L" TYPE CURB AND GUTTER PER C.C. STD. DWG. NO. 216
- CONSTRUCT "B" CROSS GUTTER PER C.C. STD. DWG. NO. 228
- CONSTRUCT "A" TYPE CURB PER C.C. STD. DWG. NO. 219
- PAINT STRIPING ON ASPHALT IN PARKING LOT



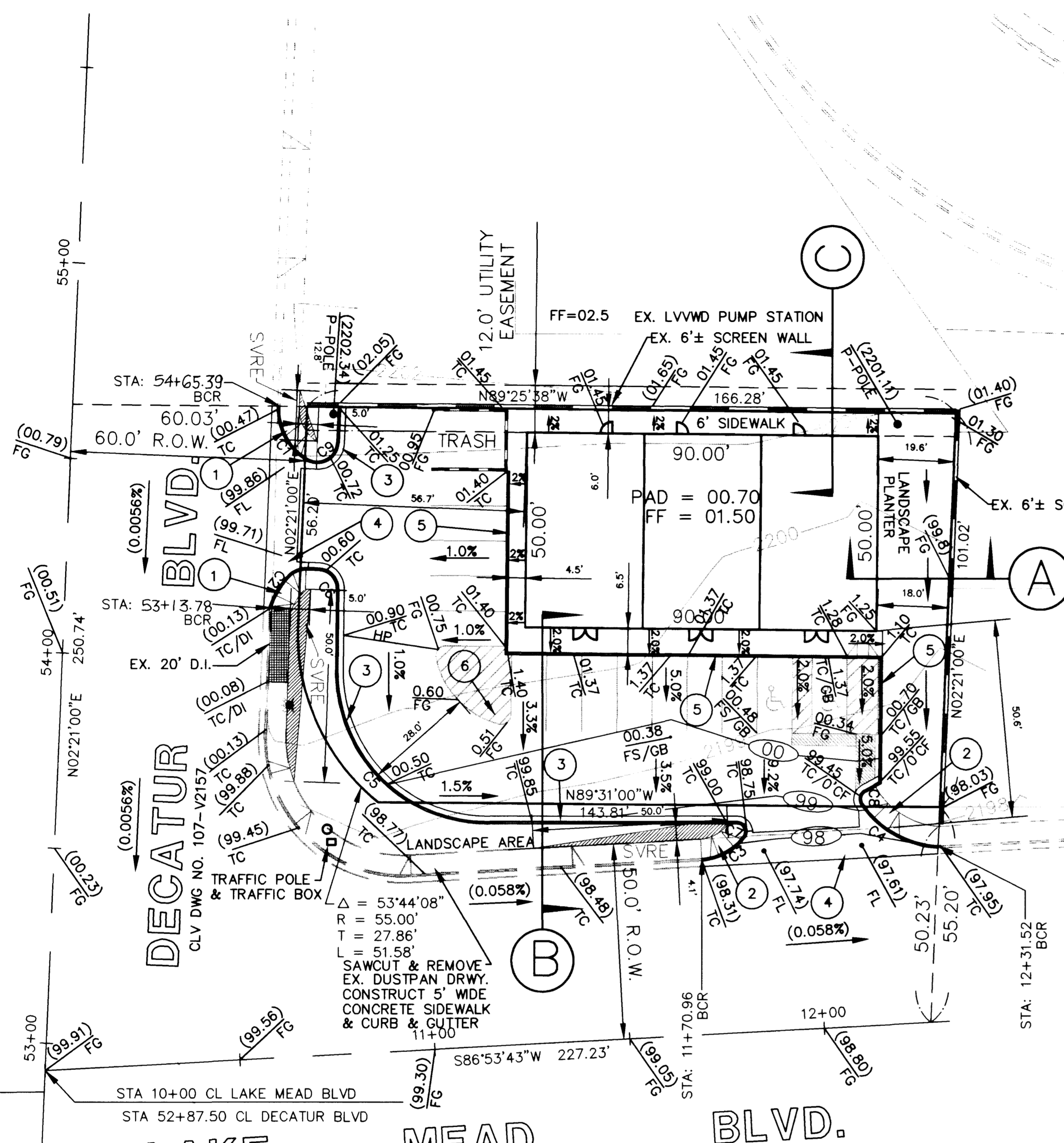
CROSS SECTION B



CROSS SECTION A



CROSS SECTION C



CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	15.00'	15.71'	8.66'	15.00'	N27°39'00"W	60°00'00"
C2	20.00'	9.92'	5.07'	9.82'	S31°47'06"W	28°25'31"
C3	15.00'	12.40'	6.58'	12.05'	S61°47'00"W	47°21'08"
C4	25.00'	22.90'	12.32'	22.11'	S60°16'10"E	52°28'37"
C5	39.00'	63.31'	41.10'	56.58'	S45°55'44"E	93°00'12"
C6	4.75'	7.31'	4.60'	6.61'	N43°32'19"W	88°13'22"
C7	2.00'	4.47'	4.11'	3.60'	S25°56'47"E	128°06'26"
C8	2.00'	3.32'	2.18'	2.95'	S13°27'48"W	94°59'19"
C9	5.00'	10.47'	8.66'	8.66'	S62°21'00"W	120°00'00"

NOTICE!

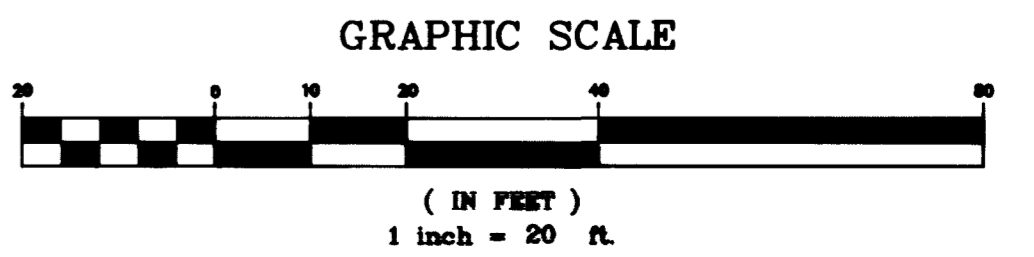
EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.

Call D1s BEFORE YOU Dig

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

ENGINEER

ALPHA ENGINEERING
 50 SO. JONES, SUITE 202
 LAS VEGAS, NEVADA 89107
 (702) 877-1300



PROJECT: DECATUR/LAKEMEAD COMMER.
 TITLE: GRADING PLAN

DATE: 4/21/98
 SCALE: 1" = 20'

PAGE: 2

JOB NO.: 714608
 NAME: RDC
 DATE: 4/21/98
 SCALE: 1" = 20'

ENGINEER: ALPHA ENGINEERING

DECATUR/LAKEMEAD COMMER.
 GRADING PLAN

ENGINEER: ALPHA ENGINEERING

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

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DRAWING NO.: 714608GP

