CLV GRADING NOTES

1) IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.

2) 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.

3) 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.

4) 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.

5) 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.

6) CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCE AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

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

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

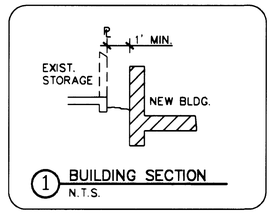
8) THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.

9) 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 OF PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

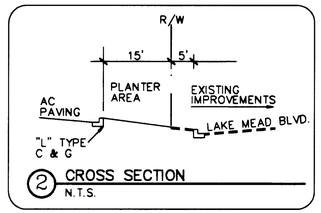
10) IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

CITY OF LAS VEGAS 9-3-97

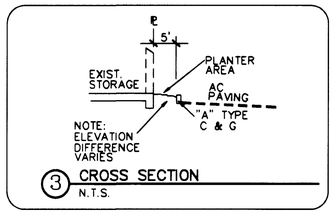
VICINITY MAP:



1 BUILDING SECTION
N.T.S.



2 CROSS SECTION
N.T.S.



3 CROSS SECTION
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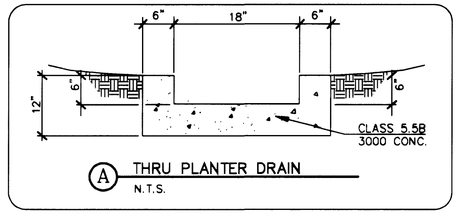


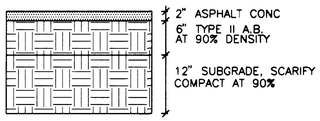
A THRU PLANTER DRAIN
N.T.S.

CONSTRUCTION NOTES

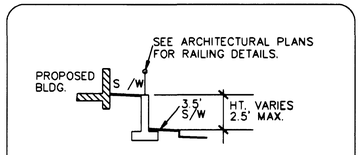
1. ALL CURB IS "A" TYPE CURB UNLESS NOTED.
2. CONSTRUCT "L" CURB & GUTTER PER STD. DWG. NO. 216.
3. SAWCUT & MATCH PAVEMENT.
4. REMOVE EXISTING CURB, GUTTER AND SIDEWALK. CONSTRUCT 25' COMMERCIAL DRIVEWAY PER STD. DWG. 225.
5. REMOVE & RECONSTRUCT EXISTING ENTRY/MONUMENT WALL TO ACCOMMODATE ENTRY MODIFICATIONS.
6.

TYPICAL PAVEMENT SECTION

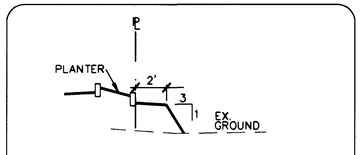
NINYO & MOORE GEOTECHNICAL AND ENVIRONMENTAL SCIENCES CONSULTANTS N.T.S.
JOB No. 300290-01
DATE: SEPTEMBER 14, 1998



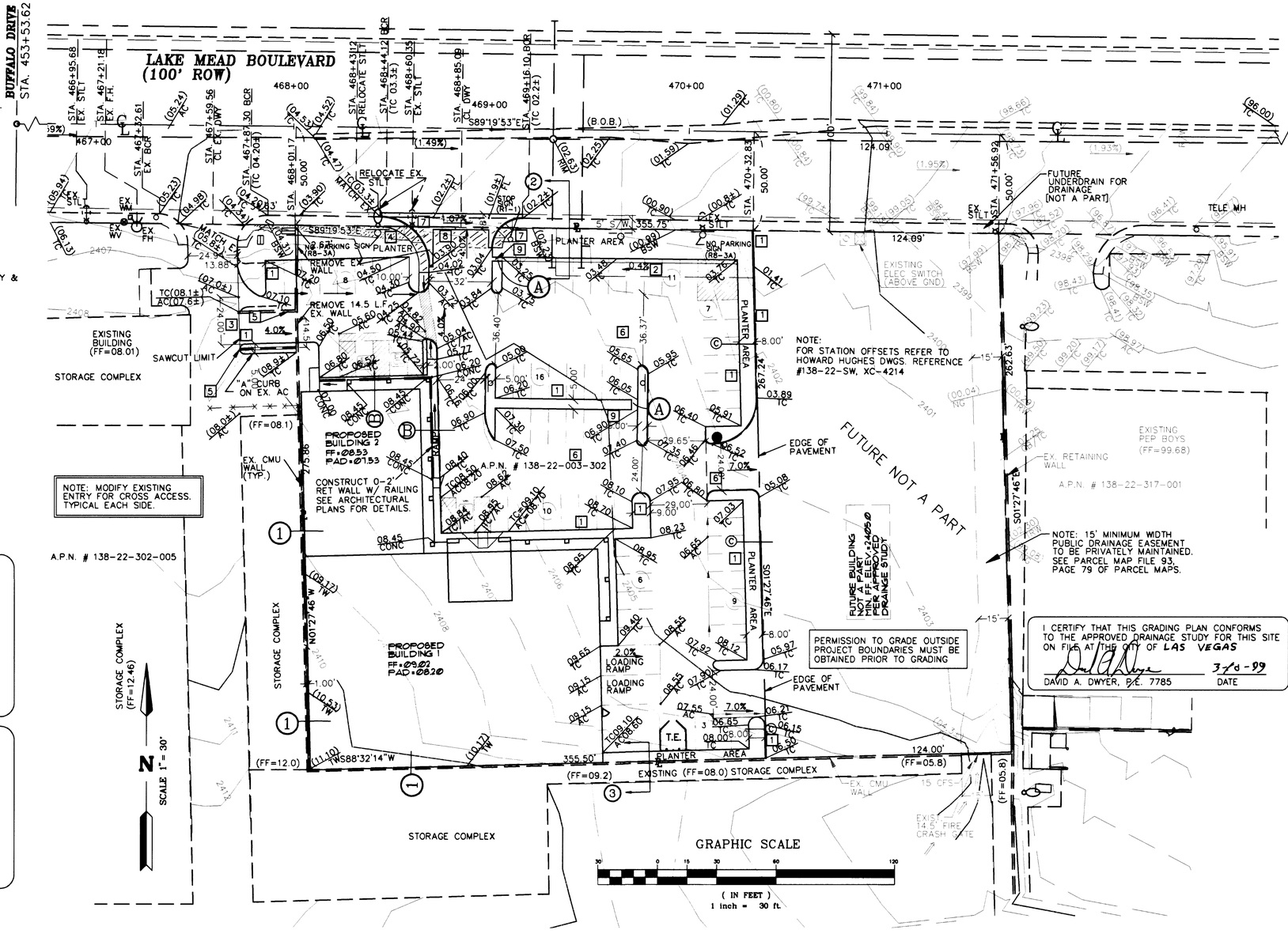
7. CONSTRUCT HANDICAP RAMPS WITH A MINIMUM RAMP SLOPE OF 1:12. PER STD. DWG NO. 235, CASE I. WEST - A=8.0', B=8.0' EAST - A=4.5', B=12.0'
8. CONSTRUCT 8' WIDE CROSS GUTTER PER STD. DWG. NO. 228.
9. CONSTRUCT THRU PLANTER DRAIN. SEE DETAIL 'B' THIS SHEET.



B RETAINING WALL SECTION
N.T.S.



C PLANTER SECTION
N.T.S.



LEGEND

	PROPERTY LINE
	STREET CENTERLINE
	EX. CMU WALL
	RIGHT OF WAY
	EASEMENT LINE
	SAWCUT LINE
	EXIST. CONC. CURBING
	EXIST. CONC. SIDEWALK
00	EXIST. CONTOUR LINE
(00.00)	EXIST. ELEVATION
	EXIST. SS MANHOLE
	EXIST. STREET LIGHT
PP	POWER POLE
W	WATER LINE
W	EXISTING WATER LINE
SS	SEWER LINE
SS	EXISTING SEWER LINE
SD	EXIST. STORM DRAIN
G	EXISTING GAS LINE
T	EXISTING TELEPHONE CABLE
8" W	WATER MAIN
8" SS	SEWER MAIN
	EXISTING FIRE HYDRANT
	SS CLEANOUT
	HANDICAPPED PARKING
	HANDICAP ACCESS AISLE
TRW	TOP OF RETAINING WALL
TC	TOP OF CURB
FF	FINISH FLOOR
AC	ASPHALTIC CONCRETE
FL	FLOW LINE

NOTE: S.V.R.E. (SIGHT VISIBILITY RESTRICTION EASEMENT), PER SEPARATE DRAWINGS.

LEGAL DESCRIPTION

THAT PORTION OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 22, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M. BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: LOT TWO (2) AS SHOWN BY MAP THEREOF ON FILE IN FILE 88 OF PARCEL MAPS PAGE, 78 IN THE OFFICE OF COUNTY RECORDER, CLARK COUNTY, NEVADA.

BENCHMARK

BM #22-STA. OLV00-22E6, PG 20-60 -SE B, CITY OF LAS VEGAS, VERTICAL CONTROL BOOK. RIVET AND PLATE IN TOP OF CURB, NORTHSIDE OF LAKE MEAD BOULEVARD. 400 FEET WEST OF ROCK SPRINGS DRIVE.
ELEVATION=2368.48' (721.9141 M) N.A.V.D. 1988

REFERENCES:

1. A.P.M. FILE 78, PAGE 12
2. P.M. FILE 88, PAGE 78
3. SURVEY MAP FILE 42, PAGE 33
4. A.P.N. # 138-22-302-007

BASIS OF BEARINGS

NORTH 89°19'53" WEST, BEING THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 22, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA. AS SHOWN ON A PLAT ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE AS PAGE 48 OF BOOK 45 OF PLATS.

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS

DAVID A. DWYER, P.E. 7785 — DATE 3/8-99

Avoid overhead power line contact.
Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENT SAFETY SERVICES DEPARTMENT

CALL BEFORE YOU DIG 1-800-227-2600 UNDERGROUND SERVICE ALERT

Job No
FILE No.

REUSE OF DOCUMENTS
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF DWYER ENGINEERING, INC. AND IS NOT TO BE USED, IN THE WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF DWYER ENGINEERING, INC.

APPROVED

REVISIONS

NO.	DATE	DESCRIPTION

DAVID A. DWYER, NEVADA, 7785, CIVIL, STATE OF NEVADA, PROFESSIONAL ENGINEER, DATE SIGNED 3/8/99, STAMP

DWYER ENGINEERING INC.
CIVIL ENGINEERS, LAND SURVEYORS, WATER RIGHTS, LAND USE PLANNING
7210 SMOKE RANCH RD., SUITE B, LAS VEGAS, NEVADA 89128
(702) 254-2500, FAX: (702) 254-2536

GRADING PLAN
LEE'S DISCOUNT LIQUOR STORE
LAKE MEAD BOULEVARD
A.P.N. 138-22-302-007

JOB No.	98048
DATE:	02/03/99
VERT. SCALE:	
HORIZ. SCALE:	1"=30'
DRAWN BY:	NJ
CHECKED BY:	PBJ/DD
SHEET	2 OF 3
FILE NO.	107-V3018

C:\ODWG\ENG\98048\98048GRAD Fri Feb 5 11:20:35 1999

14714

CLV GRADING NOTES

CONSTRUCTION NOTES

TYPICAL PAVEMENT SECTION

VICINITY MAP

LEGEND

LEGAL DESCRIPTION

BENCHMARK

REFERENCES:

BASIS OF BEARINGS

GRADING PLAN
LEE'S DISCOUNT LIQUOR STORE
LAKE MEAD BOULEVARD
A.P.N. 138-28-302-007