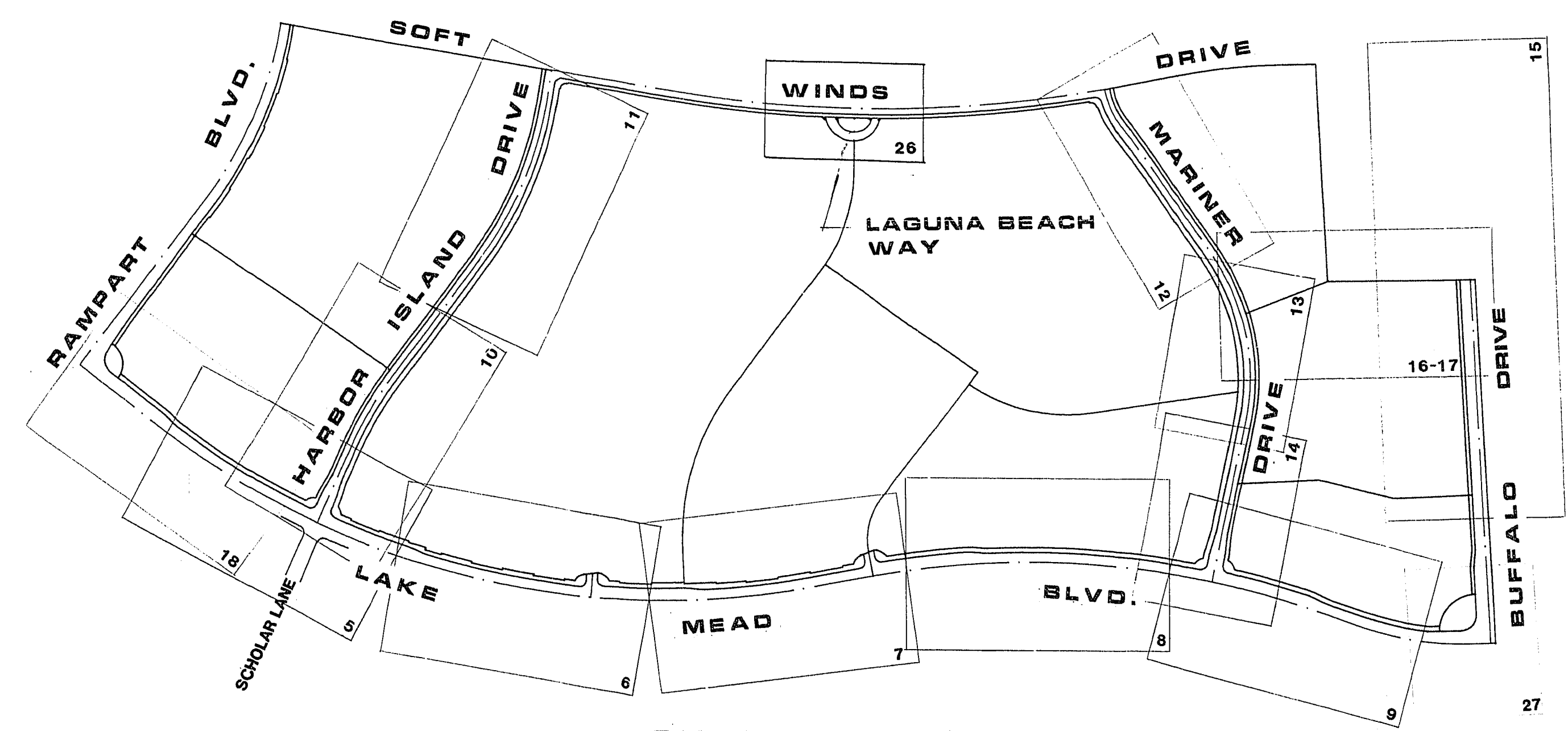
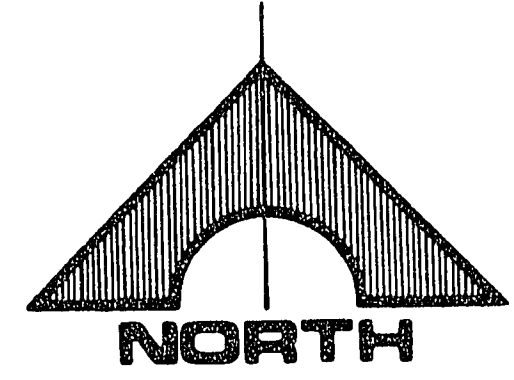


LEGEND	
	EXISTING GRADE
	NEW GRADE
	FUTURE GRADE
	EXISTING CONTOUR
	STREET & STOP SIGN
	GRADE BREAK
	FINISH GRADE
	FLOW LINE
	TOP OF CURB
	MANHOLE
	INVERT
	STORM DRAIN
	NOT A PART OF THIS DEVELOPMENT
	DESIGN GRADE
	OFF SITE MANHOLE
	STORM DRAIN MANHOLE



**KEY MAP**  
SCALE: 1" = 500'

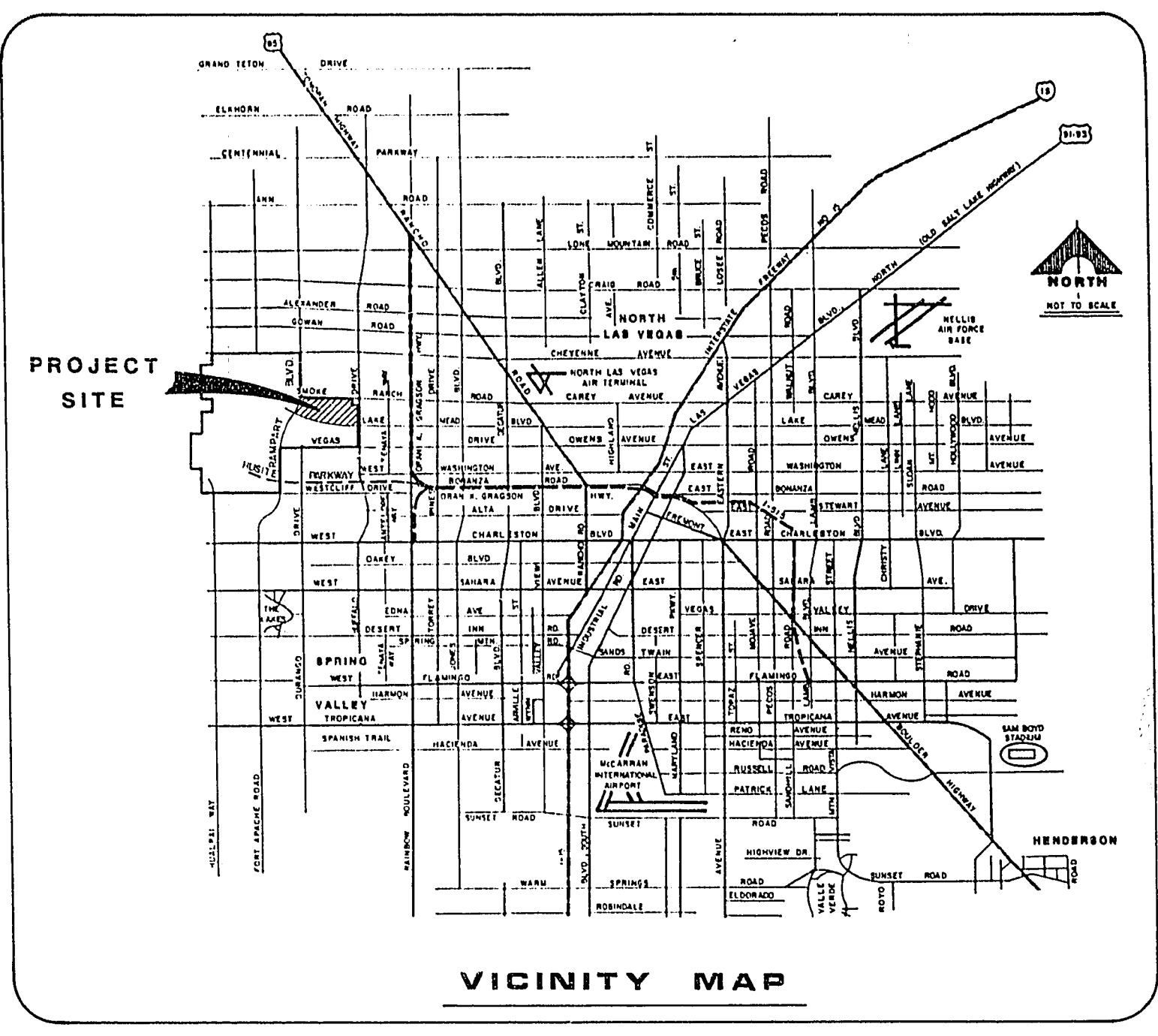
- GENERAL NOTES**
1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" THE CITY IMPROVEMENTS, CLARK COUNTY AREA NEVADA, LATEST EDITION; THE "MATERIAL SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY OF LAS VEGAS"; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTRACTING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY ORDINANCES AND ORDINANCES APPLICABLE.
  2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON THESE PLANS AND THE RESPONSIBILITY OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS ARE NOT SHOWN ON THESE PLANS.
  3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING 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 RECONSTRUCTED SATISFACTORY TO THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
  4. THE CONTRACTOR SHALL BACKFILL ANY TRENCHES IN WHICH WATERLINES HAVE BEEN EXPOSED UNTIL THE WATERLINES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT. THE WATER DISTRICT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF WATER LINES.
  5. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY ALTERATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
  6. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE DESIGNED FOR A 5.5 SALK PER WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 (OR AS DESIGNED BY THE SOILS ENGINEER). THE DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
  7. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL OVERHEAD UTILITIES WHICH MAY AFFECT HIS OPERATIONS DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING UNDER OVERHEAD OR UNDERGROUND POWER AND TELEPHONE FACILITIES TO ALL SAFETY PROJECTS AND PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
  8. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
  9. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 150' IN EXTENDED LIFE CURB.
  10. AC PAVEMENT TO BE 1" ABOVE LIP OF ALL GUTTERS & VALLEY GUTTER AFTER COMPACTION.
  11. APPLY FINE SEAL SAND AFTER ALL CORRECTIONS & ADJUSTMENTS HAVE BEEN MADE.
  12. CURB & GUTTER WITH A GRADE OR LESS THAN FOUR PERCENT OF ONE PERCENT SHALL BE CONSTRUCTED BY TROWLING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
  13. WHEEL CHAIR RAMP SHALL BE CONSTRUCTED AT ALL STREET INTERSECTIONS PER STANDARD DRAWING P222 AND SURFER IN SIDS. EXACT LOCATION OF RAMPS TO BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR.
  14. 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 SAID CONSTRUCTION. EXISTING OR PROPOSED TRANSITIONS TO BE DETERMINED BY THE CITY ENGINEER AND AS SHOWN ON PLANS.
  15. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER OR PER THESE PLANS.
  16. EXACT LOCATION OF ALL SANCTU 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.
  17. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY POINTS. ALL POINTS WHICH ARE DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORD WITH N.E.S. STATUTE NO. 625.550.
  18. CONSTRUCTION SURVEY: GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTOR ARE CONTINUED TO OBSERVE THE FOLLOWING RULES IN USING THE GRADE STAKES GIVEN BY THIS OFFICE. 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 THIS OFFICE WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE GRADE OF THE FINISHED WORK.
  19. ALL RCP STORM DRAIN TO BE 1880-D.

- STREET NOTES**
1. A.C. PAVEMENT TO BE 1/2" ABOVE LIP OF GUTTER AFTER COMPACTION.
  2. SUBGRADE FOR TYPE 1 UNDER CURB AND GUTTER AND UNDER A.C. TO BE CONTINUOUS.
  3. FOR SEAL TO BE APPLIED AFTER FINAL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
  4. NATIVE MATERIAL MAY BE USED IN LIEU OF TYPE 1 WHEN PROCESSED FOR APPROVAL IN ACCORDANCE WITH CITY OF LAS VEGAS STATEMENT OF POLICY DATED 7-25-84.
- NOTE: IN AREAS WHERE STREETS MAY HAVE TO BE CUT FOR UTILITY PURPOSES THE CONTRACTOR TO LEAVE THE LAST 1" MIN. OF A.C. PAVING FROM STREET UNTIL AREA IS DEVELOPED.

**APPROVAL**

CLV ENGINEER

5-16-89  
DATE



VICINITY MAP

**INDEX OF DRAWING**

NO.	TITLE
1	COVER SHEET
2	KEY MAP, GENERAL NOTES, SHEET INDEX
3	ESTIMATE OF QUANTITIES
4	UTILITY PLAN
5	LAKE MEAD BLVD. STA. 391+00 TO STA. 402+00
6	LAKE MEAD BLVD. STA. 402+00 TO STA. 414+00
7	LAKE MEAD BLVD. STA. 414+00 TO STA. 426+00
8	LAKE MEAD BLVD. STA. 426+00 TO STA. 438+00
9	LAKE MEAD BLVD. STA. 438+00 TO STA. 449+00
10	HARBOR ISLAND DR. STA. 0+00 TO STA. 12+00
11	HARBOR ISLAND DR. STA. 12+00 TO STA. 23+47.85
12	MARINER DR. STA. 143+69.31 TO STA. 153+00
13	MARINER DR. STA. 153+00 TO STA. 161+00
14	MARINER DR. STA. 161+00 TO STA. 167+07.85
15	P&P BUFFALO DRIVE OFFSITE SEWER
16	P&P OFFSITE SEWER BUFFALO DRIVE TO MARINER DRIVE
17	P&P OFFSITE STORM DRAIN BUFFALO DRIVE TO MARINER DRIVE
18	LAKE MEAD BLVD. WATER LINE
19	LAKE MEAD BLVD. TRAFFIC DELINEATION AND SIGNAGE
20	LAKE MEAD BLVD. TRAFFIC DELINEATION AND SIGNAGE
21	MISC. DETAILS
22	MISC. DETAILS
23	MISC. DETAILS
24	MISC. DETAILS
25	MISC. DETAILS
26	PLANNED ENTRY LAGUNA BEACH WAY
27	LAKE MEAD BLVD. STORM DRAIN

Avoid cutting underground utility lines. It's costly.

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UNIVERSITY MICROFILMS

**CONSTRUCTION BENCH**

TOP OF B.L.M. BRASS CAP E 1/16 9/16  
ON CHEYENNE 1/4 MILE WEST OF  
BUFFALO. ELEV. = 2388.62  
CITY DATUM

NOTE:  
SHOUTH SHORES & DESERT SHORES DATUM = 2388.62  
SUMMERLIN DATUM = 2388.31

RECOMMENDED  
*Paul A. Mitchell*  
DATE

DESCRIPTION

REV. DATE

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

A & B RENTALS  
SOUTH SHORES

KEY MAP, GENERAL NOTES, SHEET INDEX

SHEET  
**2**  
OF 27 SHEETS