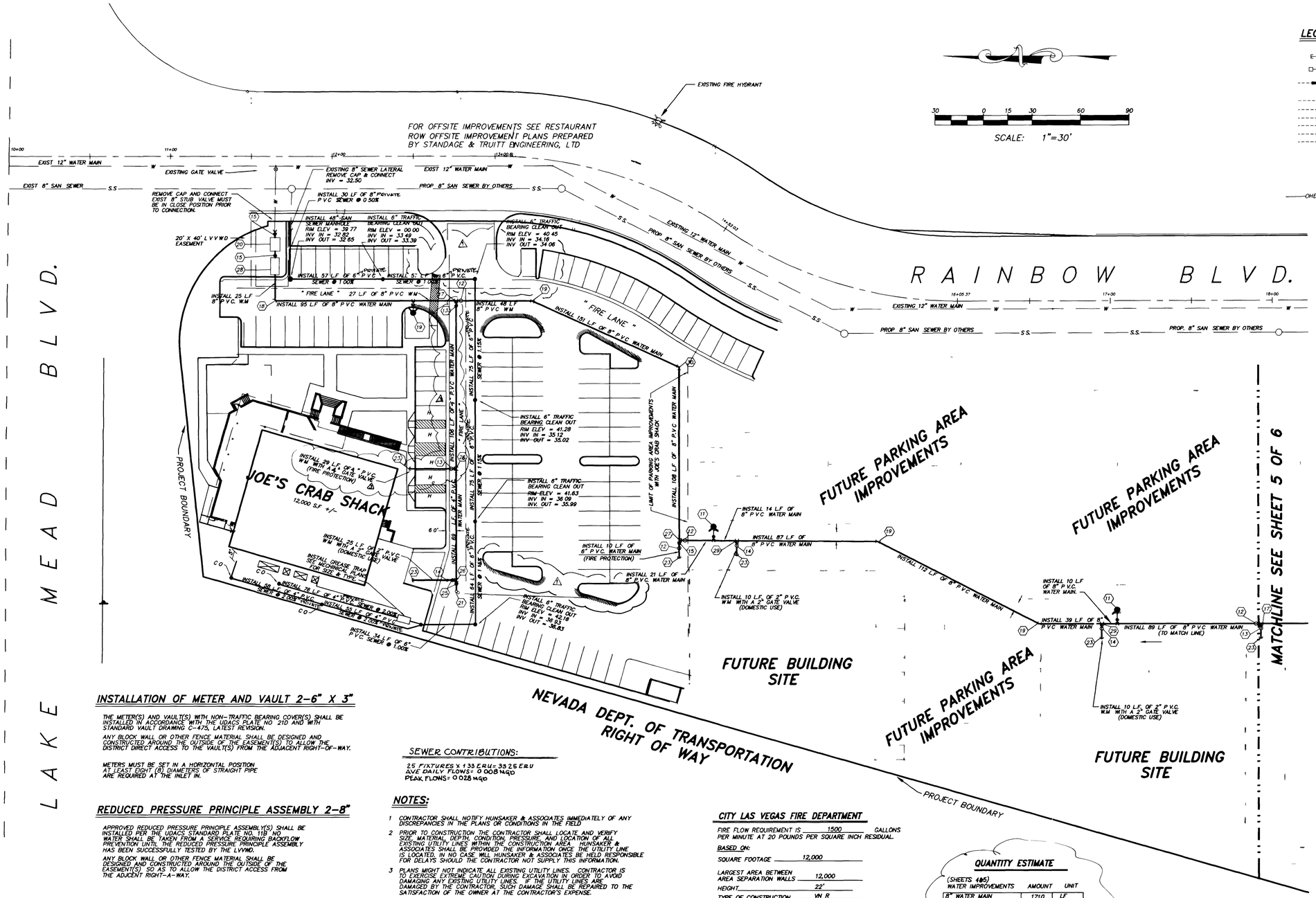


LEGEND:

- INSTALL 4" SEWER SERVICE LATERAL
- INSTALL 2" WATER SERVICE LATERAL
- EXISTING SEWER MAIN AND MANHOLE
- EXISTING WATER MAIN, FIRE HYDRANT, AND GATE VALVE
- EXISTING STREET LIGHT CONDUIT
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELEPHONE LINE
- EXISTING WATER LINE
- EXISTING STREET LIGHT
- PAINT CURB RED – FIRE LANE
- TRASH ENCLOSURES
- OVERHEAD POWER LINE

KEY NOTES:

11. INSTALL FIRE HYDRANT ASSEMBLY PER UD & CS NO 7
12. INSTALL 8" GATE VALVE
13. INSTALL 4 " GATE VALVE
14. INSTALL 2" GATE VALVE
15. INSTALL 8"x 6" REDUCER/INCREASER
16. ~~INSTALL 6"x 4" REDUCER/INCREASER~~
17. INSTALL 8" x 4 " TEE
18. INSTALL 8" 90° ELBOW
19. INSTALL 8" 22 1/2° ELBOW
20. INSTALL A 6"X 3" FMCT
21. INSTALL 2" BLOW OFF ASSEMBLY
22. INSTALL 6" x 4" TEE
23. STUB OUT AND CAP END OF WATER MAIN PROVIDE ADEQAUTE MARKING
24. ~~INSTALL 6" TEE~~
25. INSTALL 4"x 2" REDUCER
26. INSTALL 4" TEE
27. INSTALL 8"X 8" TEE
28. INSTALL 8" R.P.P.A
29. INSTALL 8"X 2" TEE
30. INSTALL 8" 45° ELBOW

INSTALLATION OF METER AND VAULT 2-6" X 3"

THE METER(S) AND VAULT(S) WITH NON-TRAFFIC BEARING COVER(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO 21D AND WITH STANDARD VAULT DRAWING C-475, LATEST REVISION.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S) FROM THE ADJACENT RIGHT-OF-WAY.

METERS MUST BE SET IN A HORIZONTAL POSITION AT LEAST EIGHT (8) DIAMETERS OF STRAIGHT PIPE ARE REQUIRED AT THE INLET IN.

REDUCED PRESSURE PRINCIPLE ASSEMBLY 2-8"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS STANDARD PLATE NO. 11B NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) SO AS TO ALLOW THE DISTRICT ACCESS FROM THE ADJCENT RIGHT-A-WAY.

THIS PROPERTY MAY HAVE STATIC PRESSURE IN EXCESS OF 80 PSI THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL ON-SITE (PRIVATE) PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF THE LVVWD FACILITIES.

SANITARY SEWER LATERAL NOTE:

UNLESS SHOWN OTHERWISE ALL SANITARY SEWER LATERALS SHALL BE INSTALLED AT A MINIMUM SLOPE OF 2% FROM THE SANITARY SEWER LINE

SEWER CONTRIBUTIONS:

25 FIXTURES X 1.35 E.R.U.= 33.25 E.R.U
AVE DAILY FLOWS= 0.008 MGD
PEAK FLOWS= 0.028 MGD

NOTES:

1. CONTRACTOR SHALL NOTIFY HUNSAKER & ASSOCIATES IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD
2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL LOCATE AND VERIFY SIZE, MATERIAL, DEPTH, CONDITION, PRESSURE, AND LOCATION OF ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. HUNSAKER & ASSOCIATES SHALL BE PROVIDED THE INFORMATION ONCE THE UTILITY LINE IS LOCATED. IN NO CASE WILL HUNSAKER & ASSOCIATES BE HELD RESPONSIBLE FOR DELAYS SHOULD THE CONTRACTOR NOT SUPPLY THIS INFORMATION.
3. PLANS MIGHT NOT INDICATE ALL EXISTING UTILITY LINES. CONTRACTOR IS TO EXERCISE EXTREME CAUTION DURING EXCAVATION IN ORDER TO AVOID DAMAGING ANY EXISTING UTILITY LINES. IF THE UTILITY LINES ARE DAMAGED BY THE CONTRACTOR, SUCH DAMAGE SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR TO SAWCUT AND REMOVE EXISTING ASPHALT AND CONCRETE AS NECESSARY FOR UTILITY TRENCHES. BACKFILL AND PATCH ALL TRENCHES ACCORDING TO C.L.V STANDARDS.
5. ALL WATER SERVICE LINES AND METERS SHALL BE INSTALLED PER L.V.V.W.D STANDARDS.
6. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT OF EXISTING MANHOLE PRIOR TO CONSTRUCTION. HUNSAKER & ASSOCIATES SHALL BE CONTACTED ONCE THIS INFORMATION HAS BEEN OBTAINED.
7. ALL ONSITE SEWER IS PRIVATELY OWNED AND MAINTAINED

CITY LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:

SQUARE FOOTAGE	12,000
LARGEST AREA BETWEEN AREA SEPARATION WALLS	12,000
HEIGHT	22'
TYPE OF CONSTRUCTION	VN R
EXPOSURES	
SPRINKLER SYSTEM	YES
OCCUPANCY	A3
ROOF CONSTRUCTION	
REVIEWED BY	
DATE	2-10-97

QUANTITY ESTIMATE

(SHEETS 1 & 5)

WATER IMPROVEMENTS	AMOUNT	UNIT
8" WATER MAIN	1710	LF
6" WATER MAIN	69	LF
2" WATER MAIN	85	LF
4" WATER MAIN	204	LF

SEWER IMPROVEMENTS	(SHT 4 ONLY)	
8" SANITARY SEWER	30	LF
6" SANITARY SEWER	358	LF
4" SANITARY SEWER	189	LF

APPROVED FOR CONSTRUCTION

LVVWD — DATE 4/18/97

PROJECT NAME Joe's Crabshack

This project water plan complies with the Las Vegas Valley Water District's technical requirements However, this water plan is **NOT APPROVED FOR CONSTRUCTION** at this time and this signature does not provide or imply a water commitment

LVVWD — DATE 2-11-97

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEVADA — LARRY W. BROSS — CIVIL — No. 9115 — 2-5-97

Avoid cutting underground utility lines. It's costly

Call before you Dig

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

NO.	DESCRIPTION	BY	DATE	APPR.
1	REVISED 6" WATER LINE TO 4" WATERLINE	GP	8/14/97	
2	ADD LANDSCAPE PLANS & LANDSCAPE SIDEWALK	CRT	5/24/97	
3	REVISE CURB RETURNS PER DOWNTOWN COMMUTS.	EKO	15 MAR 97	

CAD FILE NAME 1942-1U1 — REVISIONS — PLOT DATE 05/FEB/97

PREPARED BY: Hunsaker & Associates — Planning • Engineering • Surveying — 3556 WEST PORT AVENUE, LAS VEGAS, NEVADA 89118 (702) 897-4225 — Irvine • San Bernardino • San Diego • Las Vegas

DOCUMENT NO — BIN NO

JOE'S CRABSHACK
LAS VEGAS, NEVADA

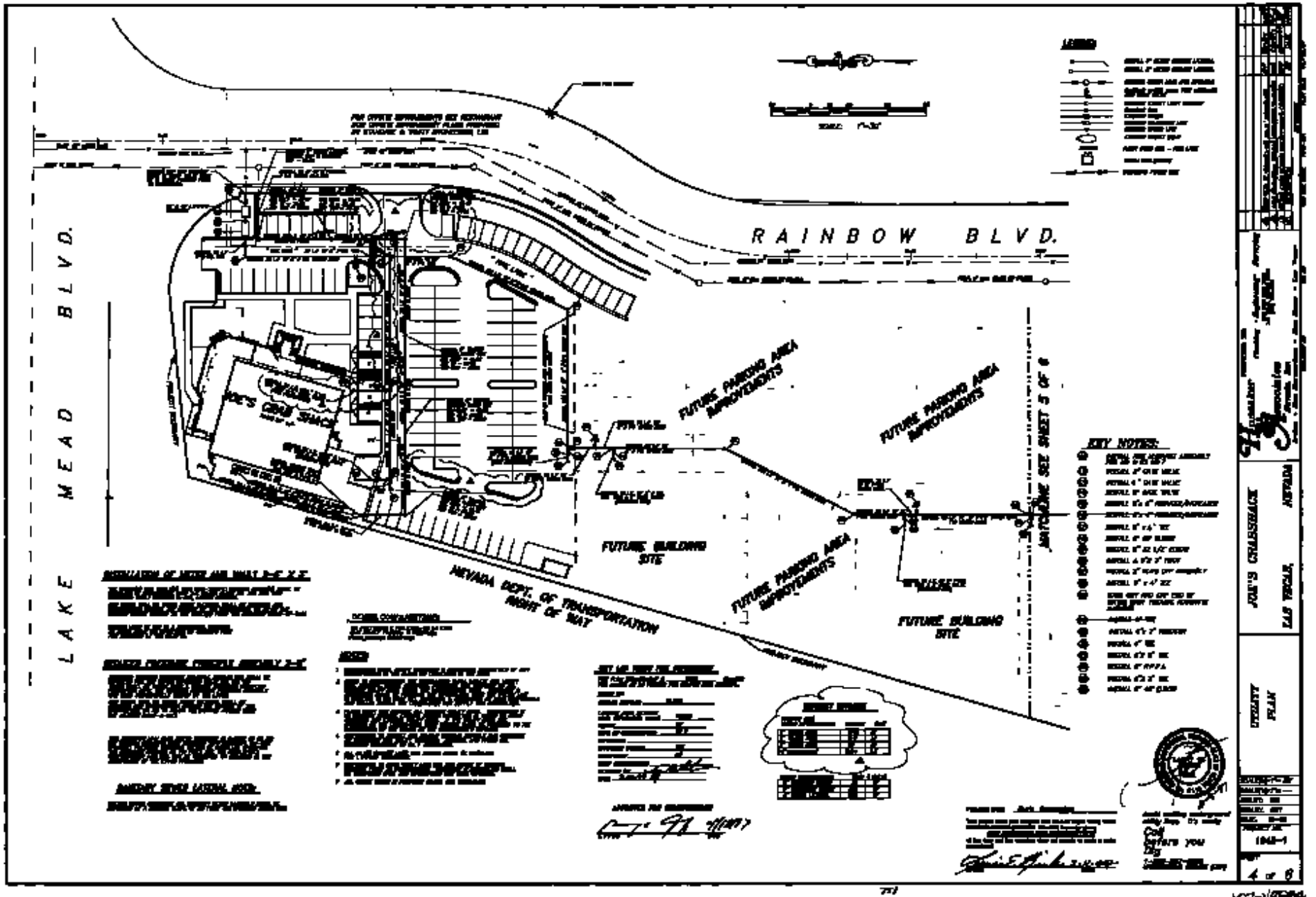
UTILITY PLAN

SCALE(H): 1"= 30'
SCALE(V): 1"= --
DES.BY: MC
DWN.BY. CRT
DATE. 11-96
PROJECT NO. 1942-1
SHEET 4 OF 6

751

107-V2584

P:\1942-1\1MP\1942-1U1 Wed Feb 5 12 12 13 1997 EKO


LAKE MEAD BLVD.
RAINBOW BLVD.
FUTURE PARKING AREA IMPROVEMENTS
FUTURE PARKING AREA IMPROVEMENTS
FUTURE PARKING AREA IMPROVEMENTS
FUTURE BUILDING SITE
FUTURE BUILDING SITE
NEVADA DEPT. OF TRANSPORTATION RIGHT OF WAY
MATCHLINE SEE SHEET 3 OF 6
KEY NOTES:
JOE'S CRABSHACK
LAS VEGAS, NEVADA
VICINITY PLAN
4 of 6