GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION, OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, 1986, AND THE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, 1988.

2. 48 HOURS PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT

LAS VEGAS VALLEY WATER DISTRICT	PHONE	870-2011
NEVADA POWER COMPANY	PHONE	1-800-227-2600
CENTRAL TELEPHONE COMPANY	PHONE	1-800-227-2600
SOUTHWEST GAS CORPORATION	PHONE	365-2296

3. LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM INFORMATION RECEIVED FROM THE APPLICABLE UTILITY CO'S. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR EXISTING UTILITIES OR STRUCTURES NOT SHOWN, OR NOT IN THE LOCATIONS SHOWN ON THE DRAWINGS. CONTRACTOR TO VERIFY THE EXACT LOCATION OF UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR'S RESPONSIBILITY REGARDING UTILITIES SHALL BE AS REQUIRED UNDER SECTION 107.17 OF THE UNIFORM STANDARD SPECIFICATIONS FOR CLARK COUNTY AREA, NEVADA AND AS PROVIDED IN THE SPECIFICATIONS, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING OVER OR NEAR THE EXISTING GAS MAINS.

4. 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 CONTRACTORS OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

5. THE CONTRACTOR SHALL NOT REMOVE TREES, SHRUBS, LAWNS, WALLS, FENCES, SIGNS, STRUCTURES, LIGHTS, OR OTHER EXISTING IMPROVEMENTS OUTSIDE OF STREET RIGHT OF WAY, EXCEPT WHERE REQUIRED TO DO SO BY THE CONTRACT DRAWINGS OR BY THE ENGINEER.

6. TREES, SHRUBS, LAWNS, WALLS, FENCES, SIGNS, STRUCTURES, LIGHTS AND OTHER EXISTING IMPROVEMENTS WITHIN STREET RIGHTS OF WAY SHALL BE REMOVED WHERE SHOWN ON THE CONTRACT DRAWINGS, AND AS REQUIRED BY THE ENGINEER.

7. REPLACEMENT, RELOCATION OR RECONSTRUCTION OF ALL EXISTING IMPROVEMENTS INCLUDING SPRINKLER SYSTEMS, LAWNS, FENCES, WALLS, SIGNS, STEPS, SIDEWALKS, DRIVEWAYS, LAWN LIGHTS, AND ALL OTHER ITEMS APPLICABLE TO THIS CONTRACT SHALL BE AS REQUIRED BY THE ENGINEER.

8. THE CONTRACTOR SHALL BACKFILL AND FINE GRADE ALL CUT OR FILL SLOPES TO MATCH EXISTING CONDITIONS TO THE SATISFACTION OF THE ENGINEER, WHERE EXISTING LAWNS ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL RE-SEED AND/OR SOD THE AFFECTED AREA TO A CONDITION EQUAL TO, OR BETTER THAN EXISTED PRIOR TO CONSTRUCTION.

9. ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DEVICES OR METHODS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "NEVADA TRAFFIC CONTROL MANUAL", 1985, PUBLISHED BY THE STATE OF NEVADA, DEPARTMENT OF HIGHWAYS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT SPECIFICATIONS OR AS REQUIRED BY THE ENGINEER.

10. AT THE TIME OF PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL FURNISH, FOR APPROVAL, A TRAFFIC BARRICADING PLAN AND THE METHOD OF MAINTAINING PUBLIC CONVEYANCE AND SAFETY THROUGHOUT THE CONSTRUCTION AREA. TRAFFIC BARRICADING PLANS SHALL COMPLY WITH APPLICABLE PORTIONS OF SECTIONS 624 AND 625 OF THE STANDARD SPECIFICATIONS, THE TRAFFIC CONTROL MANUAL AND APPLICABLE CITY ORDINANCES.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF ALL EXISTING SANITARY WATER AND SEWER MANHOLES TO THE FINAL FINISH GRADES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONTRACT DRAWINGS, AND IN ACCORDANCE WITH SECTION 609 OF THE "STANDARD SPECIFICATIONS," AND THE VERTICAL ADJUSTMENTS OF ALL WATER VALVE BOXES SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONTRACT DRAWINGS.

12. EXACT LOCATION OF ALL SAWCUTS SHALL BE DETERMINED IN THE FIELD BY THE CITY OF LAS VEGAS INSPECTOR.

13. REFER TO NEVADA POWER COMPANY, SOUTHWEST GAS CORPORATION, AND CENTEL DRAWINGS FOR POWER, GAS, AND TELEPHONE UTILITY LINE RELOCATION AND INSTALLATION DETAILS.

14. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY ALTERATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

15. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK, CONCRETE TO BE DESIGNED FOR A 5.5 SACK MIX WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 (OR AS DESIGNATED BY THE SOILS ENGINEER). MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.

16. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER AND/OR TELEPHONE UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.

17. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION PRIOR TO COMMENCING CONSTRUCTION.

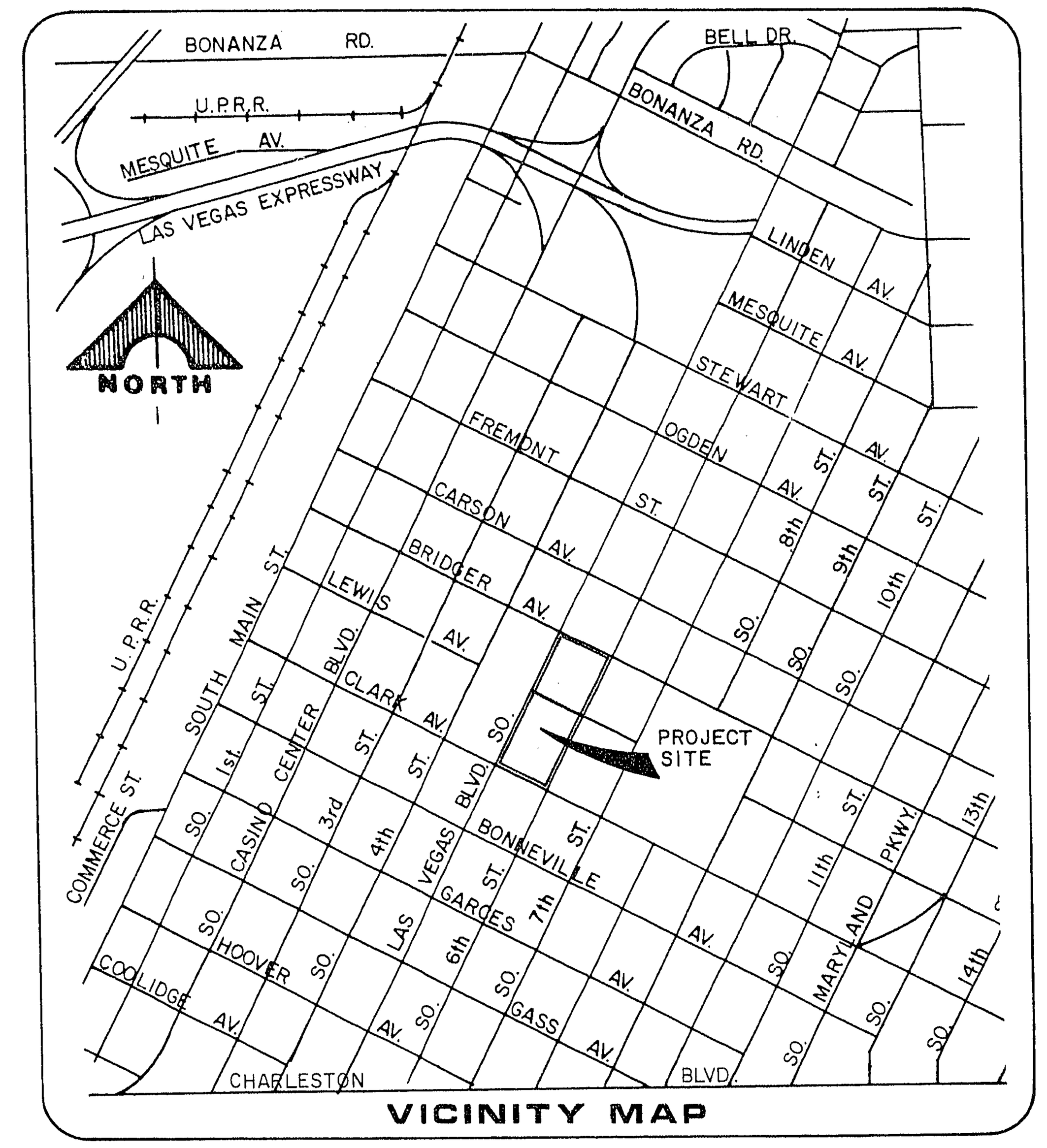
18. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY, MONUMENTS, ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.

LEGEND:

	EXISTING	PROPOSED
BENCHMARK	▲ (circled)	
CENTERLINE OR SURVEY LINE	— - —	— - —
RIGHT OF WAY LINE	— - - —	— - - —
EASEMENT LINE	— - - - —	— - - - —
WATER	— —W— —	—W—
SEWER	— —S— —	—S—
STORM DRAIN	— —SD— —	—SD—
GAS	— —G— —	—G—
UNDERGROUND POWER	— —UGP— —	—UGP—
UNDERGROUND TELEPHONE	— —T— —	—T—
WATER VALVE	— —⊗— —	—⊗—
POWER POLE, TELEPHONE POLE	—◒—	—●—
SEWER MANHOLE	— —○— —	—○—

ABBREVIATIONS:

ACP	ASBESTOS CEMENT PIPE	MISC	MISCELLANEOUS
AC	ASPHALT CONCRETE	N	NORTH
B/C	BACK OF CURB	NO, #	NUMBER
BCR	BACK OF CURB RADIUS	PC	POINT OF CURVATURE
C	CONDUIT	PCC	PORTLAND CEMENT CONCRETE
CALC	CALCULATED	PVC	POLYVINYL CHLORIDE
CIP	CAST IRON PIPE	PT	POINT OF TANGENCY
℄	CENTERLINE	R	RADIUS
CLV	CITY OF LAS VEGAS	RCP	REINFORCED CONCRETE PIPE
CO	CLEAN OUT	R/W	RIGHT OF WAY
CONC	CONCRETE	SHT	SHEET
DIA	DIAMETER	S	SOUTH, SEWER
DI	DROP INLET	SDR	STANDARD DIMENSION RATIO
E	EAST	SHP	STEEL HIGH PRESSURE
ELEV	ELEVATION	STA	STATION
EXIST	EXISTING	TC	TOP OF CURB
FF	FINISHED FLOOR	TMH	TOP OF MANHOLE
FG	FINISHED GRADE	TP	TOP OF PAVEMENT
FH	FIRE HYDRANT	TSW	TOP OF SIDEWALK
FL	FLOW LINE	TYP	TYPICAL
HORIZ	HORIZONTAL	USS	UNIFORM STANDARD SPECIFICATIONS
ID	INSIDE DIAMETER	VCP	VITRIFIED CLAY PIPE
INV	INVERT ELEVATION	VERT	VERTICAL
LF	LINEAR FEET	W	WEST, WATER, WITH
MH	MANHOLE		
MAX	MAXIMUM		
MIN	MINIMUM		



VICINITY MAP

BENCHMARK:

CLV BENCHMARK #06134A3 ON NE CURB RETURN AT INTERSECTION OF LAS VEGAS BOULEVARD SOUTH AND BRIDGER AVENUE.

ELEV. 2010.72

NOTE TO CONTRACTOR:

CERTAIN ITEMS SHOWN ON THESE DRAWINGS ARE NOTED "NOT IN CONTRACT" (N.I.C.) AND ARE TO BE CONSTRUCTED BY OTHERS. THEY ARE SHOWN FOR INFORMATION ONLY.

INDEX OF DRAWINGS:

C1	BOUNDARY MAP
C2	GENERAL NOTES, QUANTITIES AND MISC.
C3	OFF-SITE UTILITY PLAN I
C4	OFF-SITE UTILITY PLAN II
C5	PLAN & PROFILE - SIXTH STREET SEWER
C6	CONTROL PLAN I
C7	CONTROL PLAN II
C8	GRADING PLAN I
C9	GRADING PLAN II
C10	STREET IMPROVEMENTS - LAS VEGAS BLVD.
C11	STREET IMPROVEMENTS - SIXTH ST., BRIDGER AVE. AND CLARK AVE.
C12	MISC. SECTIONS & DETAILS

BASIS OF BEARINGS:

N 27°45'00" E, BEING THE BEARING OF LAS VEGAS BOULEVARD SOUTH (FORMERLY 5TH STREET) AS SHOWN BY A PLAT OF THE WARDIE ADDITION TO LAS VEGAS, ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE AS PAGE 13 OF BOOK 1 OF PLATS.

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

QUANTITIES-(UNDERGROUND CONTRACT)

TELEPHONE

4 5-INCH PVC CONDUITS	1450 LF
2 4-INCH PVC CONDUITS	350 LF
CONCRETE ENCASEMENT	400 LF
MANHOLE	4 EA

STREETLIGHT ⚠3

NO. 3½ PULLBOX	2 EA.
NO. 5 PULLBOX	2 EA.
2" C, 2#4, 1#8	515 L.F.
1½" C, 2#4, 1#8	25 L.F.
3" C, 6#4, 1#8, 1#6	35 L.F.
3" C, 4#4, 1#8, 1#6	70 L.F.
SERVICE PEDESTAL 100 A	1 EA.
SERVICE PEDESTAL 200 A	1 EA.

POWER

6 6-INCH PLASTIC CONDUITS	450 LF
5 6-INCH PLASTIC CONDUITS	910 LF
3 6-INCH PLASTIC CONDUITS	40 LF
MANHOLE (NPC STD. RS-94)	4 EA
MANHOLE (NPC STD RS-100)	1 EA

CATV

2- INCH PVC CONDUIT	120 LF
NO. 5 PULLBOX	1 EA

SEWER

10-INCH PVC PIPE	1460 LF
8-INCH PVC PIPE	190 LF
60-INCH MANHOLE	1 EA
48-INCH MANHOLE	7 EA
10-INCH SERVICE LATERAL	1 EA
8-INCH SERVICE LATERAL	1 EA
6-INCH SERVICE LATERAL	2 EA
6-INCH SERVICE LATERAL (TEMPORARY)	1 EA
4-INCH SERVICE LATERAL	1 EA
6-INCH CLEAN-OUT	1 EA

WATER

8-INCH PVC PIPE	140 LF
6-INCH PVC PIPE	90 LF
8-INCH M.J. TAPPING SLEEVE & VALVE	1 EA
8-INCH DOUBLE DETECTOR CHECK	1 EA
6-INCH TURBO METER	1 EA
6-INCH R.P.P.D.	1 EA
8-INCH POST INDICATOR VALVE	1 EA
8-INCH SIAMESE CONNECTION	1 EA
1-½" METER SERVICE W/ BACKFLOW PREVENTOR	1 EA
5/8" METER SERVICE (TEMPORARY)	1 EA
FIRE HYDRANT W/GATE VALVE	4 EA
ABANDON 6-INCH WATERLINE	1 EA

QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

APPROVALS:

CITY OF LAS VEGAS

DATE

Charles [signature] (UNDERGROUND ONLY)
CITY ENGINEER — DATE

DATE

DATE

DATE

DATE

[signature] (C-2, C-3 & C-4) 5/9/90
C.L.V. FIRE MARSHALL — DATE

[signature] 5-10-90
L.V.V.W.D. (SHEETS C-2, C-3 & C-4) — DATE

AGENCY:	REVIEWED BY:	DATE:
NEVADA POWER CO.		
SOUTHWEST GAS CORP.		
CENTRAL TELEPHONE CO.		

UNDERGROUND IMPROVEMENTS

REV	DATE	DESCRIPTION
0	1/25/90	ISSUE FOR CONST.
1	3/23/90	BULLETIN NO 1
2	5/14/90	ISSUE FOR UNDERGROUND
3	8/29/90	ADDED STREET LIGHT QUANTITIES 9/5/90

RECOMMENDED: 7491 R.E. NO. 1/19/90 DATE

REGISTERED PROFESSIONAL ENGINEER — PLUMMER — CIVIL — No. 7491 — STATE OF NEVADA

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

MINAMI DEVELOPMENT INC.
MINAMI TOWER
GENERAL NOTES, QUANTITIES AND MISC.

SHEET 3
C2
OF 13 SHEETS

JOB NO. 721.002

8/84 DIETERICH-POST 6532B

107Y4100