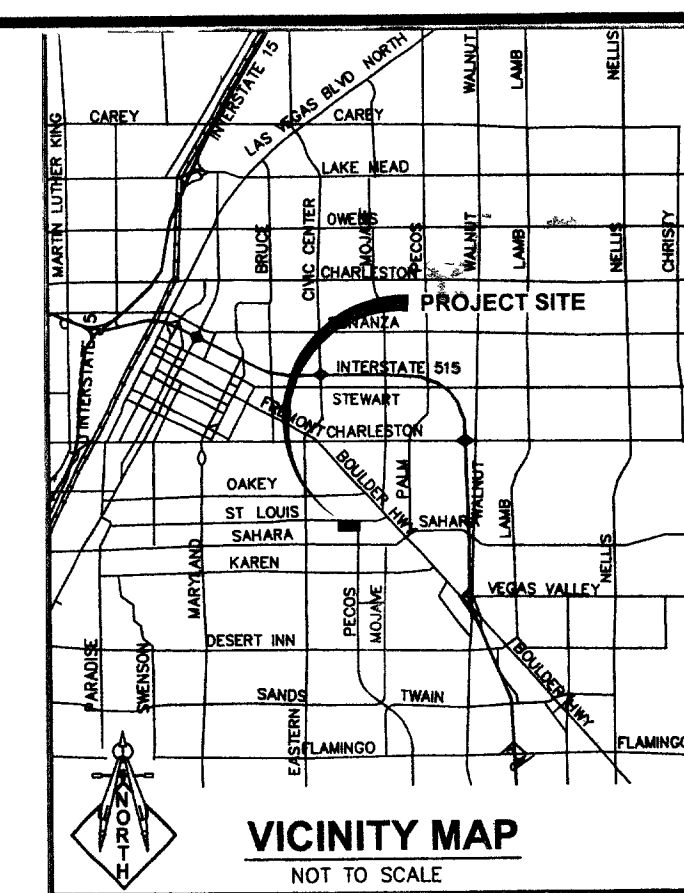


**A PORTION OF THE
SOUTHEAST QUARTER (SE 1/4) OF THE
SOUTHWEST QUARTER (SW 1/4) OF
SECTION 01, TOWNSHIP 21 SOUTH
RANGE 61 EAST
CLARK COUNTY, NEVADA
A.P.N.: 162-01-402-006 & 008**

[illegible]

LVVWD PROJECT # 109427

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVMD COMMUNICATIONS SUPPORT CENTER (258-1717) THE (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVMD INSPECTION. WHEN REQUESTING INSPECTIONS PLEASE REFERENCE TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO THE LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND TO THE 2003 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (JDACS).
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT ADP OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVMD.
5. ALL WATER SERVICES LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB TYPERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.19 OF THE 2003 EDITION OF THE UDACS
9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED PRIOR TO CONNECTION TO THE LVVMD DISTRIBUTION SYSTEM.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FORM LVVMD CENTRAL STORES TELEPHONE 258-3152 OR /258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP
11. ANY INTERRUPTION OF SERVICE MUST BE APPROVED BY THE LVVMD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT 1-800-227-2600.

PROJECT NAME: DETR Office Building

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 PROJ. # H-109437 DATE 8/23/05
ESN 052

SHTS. 1, 2, 3, & 4

1.	COVER SHEET	C1.01
2.	NOTES SHEET	C2.01
3.	UTILITY PLAN	C3.01
4.	UTILITY PLAN	C3.02
5.	GRADING PLAN	C4.01
6.	GRADING PLAN	C4.02
7.	HORIZONTAL CONTROL PLAN	C5.01
8.	HORIZONTAL CONTROL PLAN	C5.02
9.	TRAFFIC CONTROL, SIGNAGE AND STRIPING	C6.01
10.	TRAFFIC CONTROL, SIGNAGE AND STRIPING	C6.02
11.	DETAIL SHEET	C7.01
12.	SECTIONS	C7.02
13.	SECTIONS	C7.03
14.	ENLARGED GRADING DETAILS	C7.03
15.	STRUCTURAL WALL NOTES	C7.04
16.	STRUCTURAL TYPICAL DETAILS AND SECTIONS	C7.05

NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

A.P.N.:
162-01-402-006

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IN THE NORTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 1, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY THAT RECORD OF SURVEY ON FILE IN FILE 09 OF SURVEYS, PAGE 06 IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

SAID LINE BEARS NORTH 89°40'09" WEST.

BENCHMARK:
CLV BM 6C11 1S4
BEING A RIVET AND PLATE IN TOP OF CURB @ NE CORNER OF
SAHARA AND MCLEOD
ELEVATION: 1853.32 FEET / 564.8927 METERS
(NAVD '88 DATUM)

LAS VEGAS VALLEY WATER DISTRICT PROJECT 109427 SHTS. 1, 3 & 4 DATE

DATE _____

LOCHSA ENGINEERING
 6345 SOUTH JONES BOULEVARD, SUITE 100
 LAS VEGAS, NV 89118
 DAVE LOCHSA, P.E. FAX: (702) 795-0747

COVER SHEET

DATE:	07/20/05	SHEET:	1
DESIGNED BY:	SSSY	TITLE:	1
DATE:	07/20/05	SCALE:	NITS
CHECKED BY:	EZ	PROJECT No.:	7112
DATE:	07/20/05		

SHEET No.
C1.01
SHEET **1** OF **16**
DRAWN BY
102-VI/11/18/1

ABAN	ABANDON	HP	HIGH POINT
AC	ASPHALTIC CONCRETE	HPS	HIGH PRESSURE SODIUM
ACP	ASBESTOS CEMENT PIPE	ID	INSIDE DIAMETER
ADJ	ADJUST	INT	INTERSECTION
AGG	AGGREGATE	INV	INVERT
AIP	ABANDON IN PLACE	IRR	IRRIGATION
ALT	ALTERNATE	LAT	LATERAL
BC	BACK OF CURB	LF	LINEAL FEET
BCR	BEGINNING OF CURB RETURN	LS	LANDSCAPE
BDRY	BOUNDARY	LT	LEFT
BTE	BASE FLOOD ELEVATION	LWVWD	LAS VEGAS VALLEY WATER DISTRICT
BEG	BEGIN	MAX	MAXIMUM
BM	BENCHMARK	MH	MANHOLE
BSW	BACK OF SIDEWALK	MM	MINIMUM
BVC	BEGINNING OF VERTICAL CURVE	MTR	METER
CATV	CABLE TV	NAP	NOT A PART
C&G	CURB AND GUTTER	NG	NATURAL GRADE
CBC	CITY OF BOULDER CITY	NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
CC	CLARK COUNTY	NTS	NOT TO SCALE
CCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWING	O/S	OFFSET
CONFCD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT	ON	ON CENTER
CPD	CLARK COUNTY WATER RECLAMATION DISTRICT	OD	OUTSIDE DIAMETER
CIP	CAST IRON PIPE	OHF	OVERHEAD POWER LINE
CL	CENTERLINE	PB	PULL BOX
CLV	CITY OF LAS VEGAS	PC	POINT OF CURVATURE
CM	CITY OF MESQUITE	PCC	POINT OF COMPOUND CURVE
CMP	CORRUGATED METAL PIPE	PI	POINT OF INTERSECTION
CMU	CONCRETE MASONRY UNIT	PL	PROPERTY LINE
CNLV	CITY OF NORTH LAS VEGAS	PP	POWER POLE
CO	CLEAN OUT	PRC	POINT OF REVERSE CURVE
COH	CITY OF HENDERSON	PROP	PROPOSED
COMM	COMMUNICATIONS	PT	POINT OF TANGENT
CONC	CONCRETE	PVC	POLY VINYL CHLORIDE PIPE
COND	CONDUIT	PVI	POINT OF VERTICAL INTERSECTION
CONST	CONSTRUCT OR CONSTRUCTION	PWMT	PAVEMENT
CULV	CULVERT	Q	RATE OF FLOW
DC	DEPRESSED CURB	R or RAD	RADIUS
DI	DROP INLET	RCB	REINFORCED CONCRETE BOX
DIA	DIAMETER	RCPT	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RR	RAILROAD
DMH	DROP MANHOLE	RT	RIGHT
DOM	DOMESTIC	ROW	RIGHT-OF-WAY
DWY	DRIVEWAY	SS	SANITARY SEWER
E or ELEC	ELECTRIC	STD	STORM DRAIN
EAC	EDGE OF AC	SHT	SHEET
EC	END OF CURVE	SIG	SIGNAL
EOR	END OF CURB RETURN	SNWAN	SOUTHWAN NEVADA WATER AUTHORITY
EL or ELEV	ELEVATION	STA	STATION
EP	EDGE OF PAVEMENT	SL or SLT	STREET LIGHT STANDARD
EVC	END OF VERTICAL CURVE	SVZ	SIGHT VISIBILITY ZONE
EW	EACH WAY	SW	SIDEWALK
EX or EXIST	EXISTING	T or TEL	TELEPHONE
FAST	FAST	TC	TOP OF CURB
FC	FACE OF CURB	TF	TOP OF FOOTING
FF	FINISH FLOOR	TMH	TOP OF MANHOLE
FG	FINISH GRADE	TRANS	TRANSITION
FH	FIRE HYDRANT	TTS	TRAFFIC SIGNAL
FL	FLOW LINE	TW	TOP OF WALL
FO	FIBER OPTICS	TYP	TYPICAL
FS	FINISHED SURFACE	UG	UNDER GROUND
FTG	FOOTING	VC	VERTICAL CURVE
G	GAS	VCP	VITRIFIED CLAY PIPE
GALV	GALVANIZED	VERT	VERTICAL
GB	GRADE BREAK	VG	VALLEY GUTTER
H	HIGH OR HEIGHT	WL	WATER LINE
HDPE	HIGH DENSITY POLYETHYLENE	W	WITH
HDWL	HEADWALL	W/O	WITHOUT
HGR	HYDRAULIC GRADE LINE	W	WIDE OR WIDTH
HOR	HORIZONTAL		

**STATE OF NEVADA
DEPARTMENT OF PUBLIC WORKS
1830 EAST SAHARA AVENUE, SUITE 204
LAS VEGAS, NEVADA 89104
CONTACT: MR. DAVID SCHMIDT
PHONE: (702) 486-5115
FAX: (702) 486-5094**

**STATE OF NEVADA
DEPARTMENT OF PUBLIC WORKS
1830 EAST SAHARA AVENUE, SUITE 204
LAS VEGAS, NEVADA 89104
CONTACT: MR. DAVID SCHMIDT
PHONE: (702) 486-5115
FAX: (702) 486-5094**

WATER: LAS VEGAS VALLEY WATER DISTRICT

SEWER: ,CITY OF LAS VEGAS

GAS: SOUTHWEST GAS CORPORATION

ELECTRIC: NEVADA POWER COMPANY

TELEPHONE: SPRINT TELEPHONE NEVADA

CABLE TV: ,COX COMMUNICATIONS OF LAS VEGAS

TRASH: REPUBLIC SILVER STATE DISPOSAL SERVICE

CHARLES KAJKOWSKI, JR./PE#4784
CITY ENGINEER

10/27/2005
DATE

APPROVAL OF THESE PLANS IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS, EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARD. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARDS DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA, NEVADA.

M. MARGO WHEELER, AICP, DIRECTOR OF PLANNING AND DEVELOPMENT
NOTE:
THESE PLANS MEET THE APPLICABLE STANDARDS OF THE PLANNING AND DEVELOPMENT DEPARTMENT.

CITY FIRE MARSHAL

Alan Zullo
SOUTHWEST GAS CORPORATION

Nevada
NEVADA POWER COMPANY

THIS APPROVAL IS ONLY FOR THE PLACEMENT AND CLEARANCE OF STREET LIGHTS AND SIGNAL LIGHT INSTALLATION.

NOTE:
EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATIVE IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
CALL BEFORE YOU DIG: 1-800-227-2600

Yanis L. Tapia
COX COMMUNICATIONS OF LAS VEGAS, INC.

Michael R. Emerson

THE AFFIXED SPRINT NEVADA APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

[illegible]