CALL before you Overhead

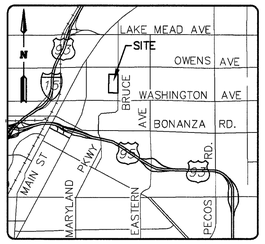
1-702-227-2929

UNDERGROUND SERVICE (USA)
AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY

CALL before you DIG

1-800-227-2600

UNDERGROUND SERVICE (USA)
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY



VICINITY MAP

N.T.S.

CONSTRUCTION NOTES

1. LOCATION OF UNDERGROUND UTILITIES ON THE DRAWINGS WERE OBTAINED BY A THOROUGH SEARCH OF AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR IN THE LOCATION SHOWN ON THE DRAWINGS.
2. EXISTING WATERLINE PER DWG: JAMES BROOKS MCDANIEL, A.I.A. ARCHITECTS, JOB NO. NEV.2-5, SHT M-1 OF 12, DATED 12-8-61.
3. EXISTING WATERLINE PER DWG: YSIDRO R. BARRON, A.I.A. ARCHITECTS, JOB NO. 931201, DWG NO. C1.02 AND C1.01. DATED 9-15-94.
4. EXISTING GAS AND WATER UTILITY LINES TO REMAIN. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE.
5. INSTALL 48" STANDARD ECCENTRIC MANHOLE SD-1 PER DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS.
6. INSTALL NEW 48" SSMH OVER EXISTING 8" SANITARY SEWERLINE AND CUT TOP OFF EXISTING SEWERLINE WITHIN MANHOLE.
7. CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING SANITARY SEWERLINE PRIOR TO CONSTRUCTION. ANY DESCREPANCY TO BE BROUGHT TO THE ATTENTION OF THE ENGINER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. ALL SANITARY SEWER IS CONSTRUCTED OF WATER SUPPLY QUALITY MATERIALS AND MEETING AWWA STANDARDS INSTALLED PER 2.19.02.B1 THROUGH B3.
9. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

QUANTITIES

	PRIVATE	PUBLIC
6" PVC SEWERLINE	1,749 LF	
48" SS MANHOLE	4 EA	
CLEANOUT	38 EA	

THESE QUANTITIES ARE FOR PLANS CHECKING PURPOSES ONLY AND SHOULD NOT BE USED BY CONTRACTORS TO DETERMINE FINAL QUANTITIES.

GRAPHIC SCALE

40 0 20 40 80 160

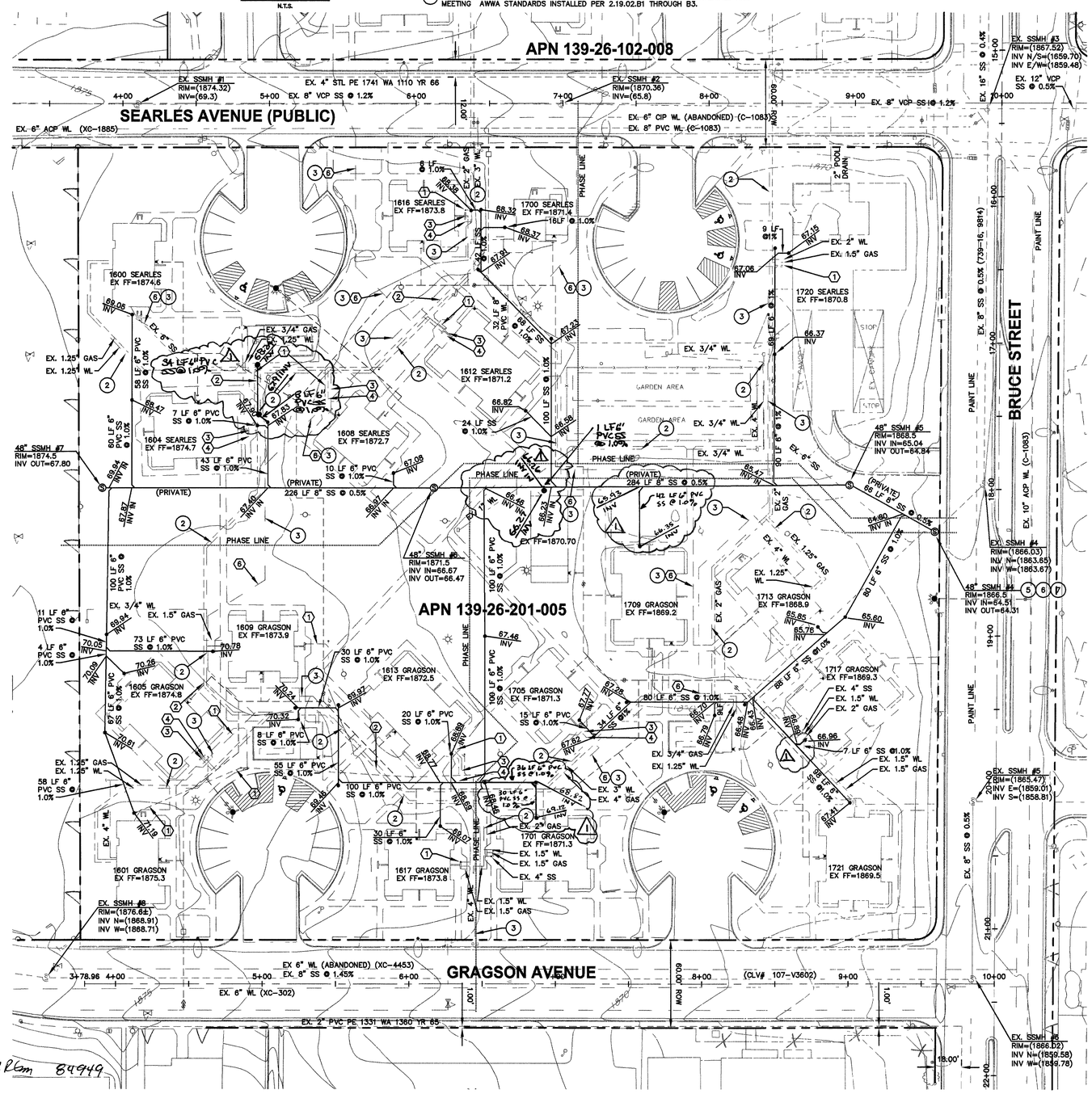
(IN FEET)
1 inch = 40 ft.

N

1"=40'

EXISTING UTILITY LEGEND

1. EXISTING 4" SANITARY SEWER (TO BE ABANDONED)
2. EXISTING 2" GAS
3. EXISTING 1.5" GAS
4. EXISTING 1.5" WATER LINE
5. EXISTING 2" WATER LINE
6. EXISTING 4" WATER LINE



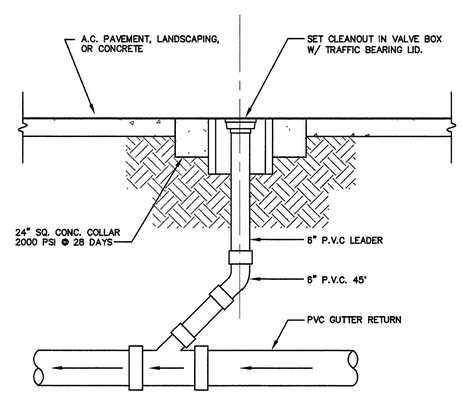
83931 Rbm 84949

LEGEND

2263	EXISTING CONTOURS
2263	PROPOSED CONTOURS
36.66	PROPOSED GRADE
(63.33)	EXISTING GRADE
SS	PROPOSED SANITARY SEWER LINE
SS	EXISTING SANITARY SEWER LINE
WL	PROPOSED WATER LINE
WL	EXISTING WATER LINE
WL	PROPOSED FIRE SPRINKLER LINE
GAS	EXISTING GAS LINE
	EXIST./PROP. EDGE OF ASPHALT
	PROPERTY/RIGHT-OF-WAY LINE
	CENTERLINE
	EXIST./PROP. BLOCK WALL
	EX. OVERHEAD POWER/TELEPHONE
	SAWCUT LINE
	EXIST./PROP SANITARY SEWER MANHOLE
	EXIST./PROP. 100W HPS STREETLIGHT
	EXIST./PROP. 150W HPS STREETLIGHT
	EXIST./PROP. 250W HPS STREETLIGHT
	HANDICAPPED SYMBOL
	EXIST./PROP. FIRE HYDRANT
	EXIST./PROP. GATE VALVE
	EXIST./PROP. REDUCING VALVE
	EXIST./PROP. CLEANOUT
	PROPOSED ASPHALT
	PROPOSED CONCRETE

ABBREVIATIONS

AC	ASPHALTIC CONCRETE
BCR	BEGINNING OF CURB RETURN
BRW	BOTTOM RETAINING WALL
BSW	BACK OF SIDEWALK
CC	CLARK COUNTY
CLV	CITY OF LAS VEGAS
CNLV	CITY OF NORTH LAS VEGAS
COH	CITY OF HENDERSON
CL	CENTERLINE
CO	SEWER CLEANOUT
CONC	CONCRETE
EAC	EXISTING ASPHALTIC CONCRETE
ECR	END OF CURB RETURN
EP	EDGE OF PAVEMENT
ETC	EXISTING TOP OF CURB
EX	EXISTING
FF	FINISHED FLOOR
FL	FLOWLINE
GB	GRADE BREAK
HP	HIGH POINT
IE	INVERT ELEVATION
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
NTS	NOT TO SCALE
OH	EXISTING OVERHEAD POWER
PE	PAD ELEVATION
PL	PROPERTY LINE
PP	POWER POLE
SD	STORM DRAIN LINE
SF	SQUARE FEET
SL	STREET LIGHT
SS	SANITARY SEWERLINE
STA	STATION
SW	SIDEWALK
TC	TOP OF CURB
TRW	TOP RETAINING WALL
TYP	TYPICAL
VG	VALLEY GUTTER
WL	WATERLINE
WM	WATER METER



CLEANOUT DETAIL

NTS

BENCHMARK

NORTH 89° 56' 34" EAST BEING THE NORTH LINE OF THE NW 1/4 OF SEC 26, TOWNSHIP 20S, RANGE 61 E, M.D.M. AS RECORDED IN FILE 42 PAGE 38 OF RECORD OF SURVEYS

BASIS OF BEARINGS

CLV NO. 2LV01 26N6, RIVET & PLATE IN TOP OF CURB @ NE CORNER OR BRUCE & SEARLES. ELEV. 1866.33 (88 NAVD)

REV	DATE	BY
	11/9/05	KJE

REVISED SEWER LATERAL INFO.

LUCCHESI GALATI ARCHITECTS
4130 S. SANDHILL, SUITE A-16
LAS VEGAS, NV. 89121
PH. (702) 597-2988
FAX. (702) 597-0309

PROJECT DEVELOPER
500 PILOT ROAD, SUITE A
LAS VEGAS, NEVADA 89119
V - (702) 263-7111 F - (702) 263-8111

KJE CONSULTING ENGINEERS, INC.

SHEET
UTILITY PLAN - SANITARY SEWER

TITLE
ARCHIE GRANT PARK MODERNIZATION
LAS VEGAS HOUSING AUTHORITY

DRAWN BY: DRW	09/22/05		
DESIGNED BY: KJE	09/22/05		
CHECKED BY: KJE	09/22/05	FILE NAME: UT2-170-8.DWG	
PROJECT NO: 170.8			

SEAL
PROFESSIONAL ENGINEER - STATE OF NEVADA
KENNETH J. ERLANGER
EXP. 12/31/2006
CIVIL
No. 9676
9/22/05

SCALE
HORIZONTAL: 1"=40'
VERTICAL: N/A

SHEET
C4
4 OF 4 SHEETS

CLV DWG#
107V4466