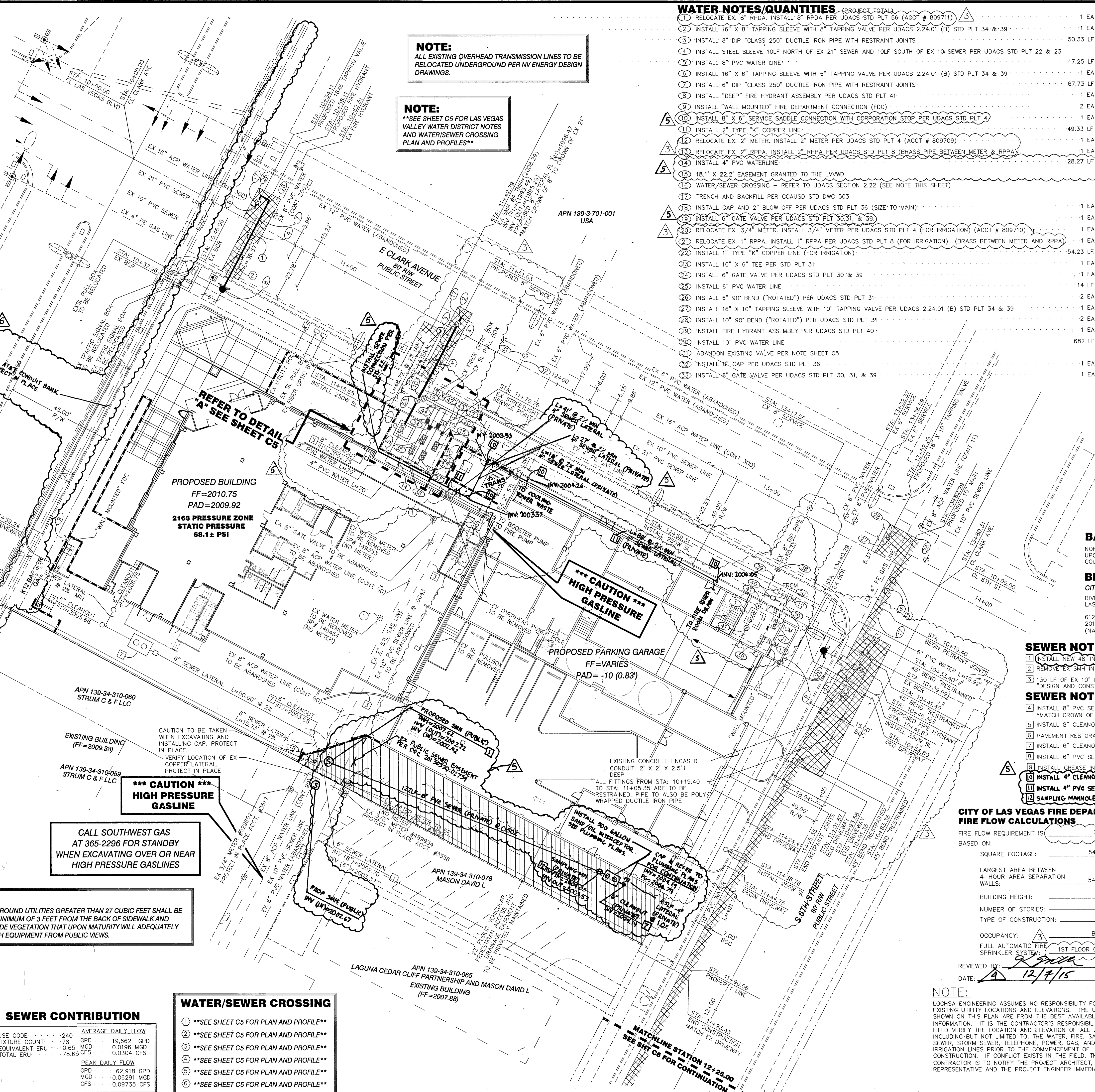
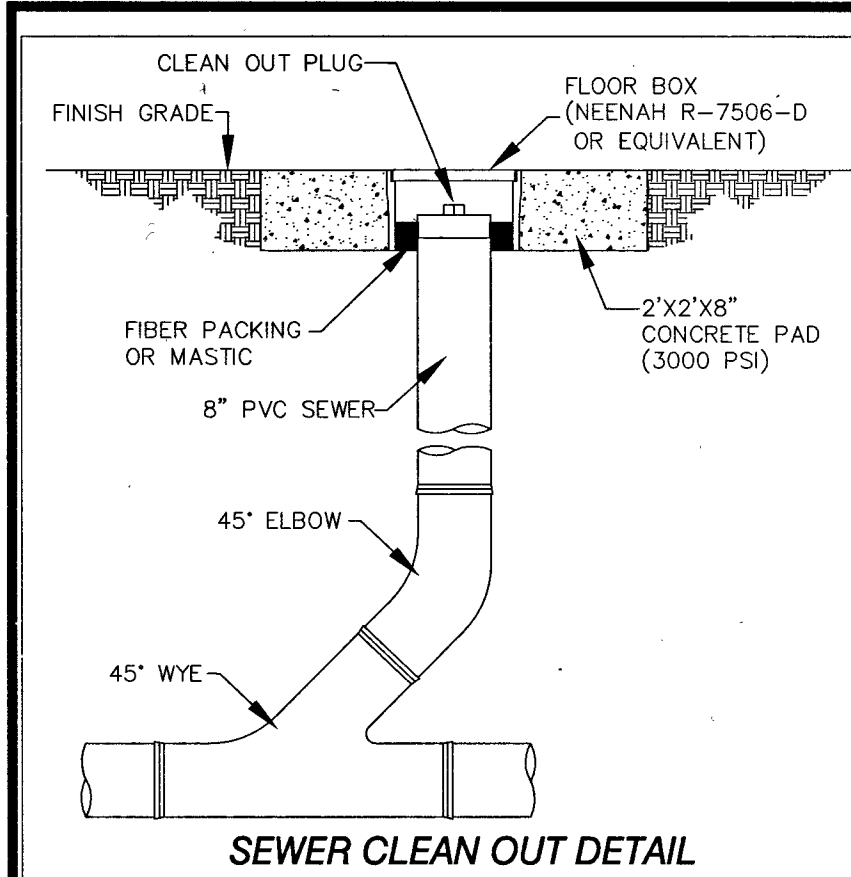


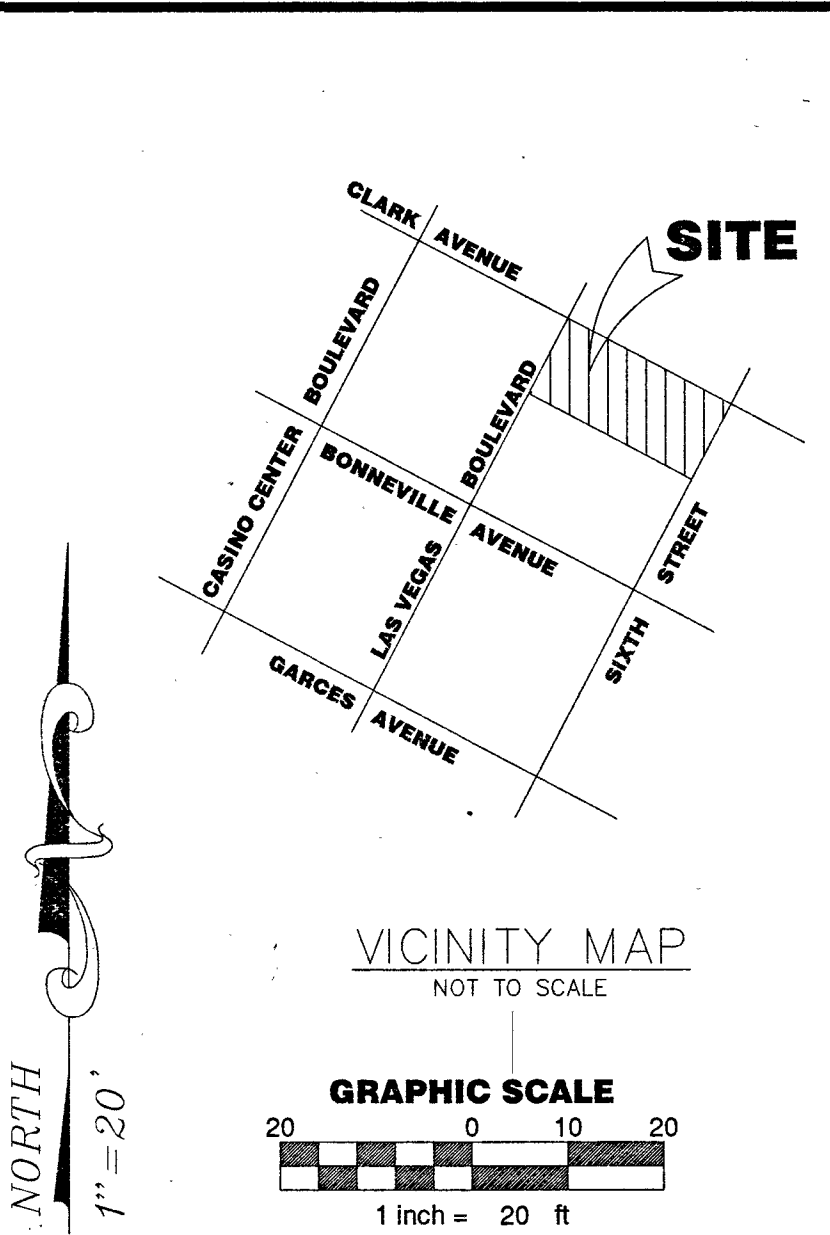


NOTE:
ALL EXISTING OVERHEAD TRANSMISSION LINES TO BE RELOCATED UNDERGROUND PER NV ENERGY DESIGN DRAWINGS.

NOTE:
SEE SHEET C5 FOR LAS VEGAS VALLEY WATER DISTRICT NOTES AND WATERSEWER CROSSING PLAN AND PROFILES

WATER NOTES/QUANTITIES

- RELOCATE EX. 8" RPPA. INSTALL 8" RPPA PER UDACS STD. PLT. 56 (ACCT # 809711) 1 EA
- INSTALL 16" X 8" TAPPING SLEEVE WITH 8" TAPPING VALVE PER UDACS 2.24.01 (B) STD. PLT. 34 & 39 1 EA
- INSTALL 8" DIP "CLASS 250" DUCTILE IRON PIPE WITH RESTRAINT JOINTS 50.33 LF
- INSTALL STEEL SLEEVE 10LF NORTH OF EX 21" SEWER AND 10LF SOUTH OF EX 10" SEWER PER UDACS STD. PLT. 22 & 23 17.25 LF
- INSTALL 8" PVC WATER LINE 1 EA
- INSTALL 16" X 6" TAPPING SLEEVE WITH 6" TAPPING VALVE PER UDACS 2.24.01 (B) STD. PLT. 34 & 39 67.73 LF
- INSTALL 6" DIP "CLASS 250" DUCTILE IRON PIPE WITH RESTRAINT JOINTS 1 EA
- INSTALL "DEEP" FIRE HYDRANT ASSEMBLY PER UDACS STD. PLT. 41 2 EA
- INSTALL "WALL MOUNTED" FIRE DEPARTMENT CONNECTION (FDC) 1 EA
- INSTALL 8" X 8" SERVICE SADDLE CONNECTION WITH CORPORATION STOP PER UDACS STD. PLT. 4 49.33 LF
- INSTALL 2" TYPE "K" COPPER LINE 1 EA
- RELOCATE EX. 2" METER. INSTALL 2" METER PER UDACS STD. PLT. 4 (ACCT # 809709) 1 EA
- RELOCATE EX. 2" RPPA. INSTALL 2" RPPA PER UDACS STD. PLT. 8 (BRASS PIPE BETWEEN METER & RPPA) 1 EA
- INSTALL 4" PVC WATERLINE 28.27 LF
- 18'1" X 22'2" EASEMENT GRANTED TO THE LVWD 1 EA
- WATER/SEWER CROSSING - REFER TO UDACS SECTION 2.22 (SEE NOTE THIS SHEET) 1 EA
- TRENCH AND BACKFILL PER CCAUSD STD. DWG. 503 1 EA
- INSTALL CAP AND 2" BLOW OFF PER UDACS STD. PLT. 36 (SIZE TO MAIN) 1 EA
- INSTALL 6" GATE VALVE PER UDACS STD. PLT. 30, 31, & 39 1 EA
- RELOCATE EX. 3/4" METER. INSTALL 3/4" METER PER UDACS STD. PLT. 4 (FOR IRRIGATION) (ACCT # 809710) 1 EA
- RELOCATE EX. 1" RPPA. INSTALL 1" RPPA PER UDACS STD. PLT. 8 (FOR IRRIGATION) (BRASS BETWEEN METER AND RPPA) 1 EA
- INSTALL 1" TYPE "K" COPPER LINE (FOR IRRIGATION) 54.23 LF
- INSTALL 10" X 6" TEE PER UDACS STD. PLT. 31 1 EA
- INSTALL 6" GATE VALVE PER UDACS STD. PLT. 30 & 39 1 EA
- INSTALL 6" PVC WATER LINE 14 LF
- INSTALL 6" 90° BEND ("ROTATED") PER UDACS STD. PLT. 31 2 EA
- INSTALL 16" X 10" TAPPING SLEEVE WITH 10" TAPPING VALVE PER UDACS 2.24.01 (B) STD. PLT. 34 & 39 1 EA
- INSTALL 10" 90° BEND ("ROTATED") PER UDACS STD. PLT. 31 2 EA
- INSTALL FIRE HYDRANT ASSEMBLY PER UDACS STD. PLT. 40 1 EA
- INSTALL 10" PVC WATER LINE 682 LF
- ABANDON EXISTING VALVE PER NOTE SHEET C5 1 EA
- INSTALL 8" CAP PER UDACS STD. PLT. 36 1 EA
- INSTALL 8" GATE VALVE PER UDACS STD. PLT. 30, 31, & 39 1 EA



- INSTALL 2" METER PER UDACS STD. PLT. 4 2 EA
- INSTALL 1" RPPA PER UDACS STD. PLT. 8 2 EA
- INSTALL 4" X 2" TEE PER UDACS PLATE 31 2 EA
- INSTALL 4" X 2" DECREASER PER UDACS PLATE 30 1 EA
- CUT & CAP EX. WATER LINE PER UDACS SECTION 2.11.07. SEE NOTE ON C5. 1 EA
- ABANDON OR REMOVE EX. WATER LINE. 1 EA
- REMOVE EX. WATER METER BOXES. 1 EA
- REMOVE OR ABANDON EX. GATE VALVE PER UDACS SECTION 2.11.07. SEE NOTE ON C5. 1 EA
- INSTALL 6" X 1" TEE PER UDACS PLATE 31 1 EA
- CAP OR PLUG 6" WATER LINE PER UDACS PLATE 36. 3 EA
- INSTALL 6" X 2" TEE PER UDACS PLATE 31 3 EA

WATER METER ABANDONMENT

EXISTING WATER METER'S TO BE ABANDONED & REMOVED	PARCEL NUMBER	ACCOUNT	METER	REMOVED	REMOVED
139-34-310-061	149353	NONE	(3/4")		
139-34-310-062	3524	REMOVED	(3/4")		
139-35-310-061	149354	NONE	(3/4")		

BASIS OF BEARINGS
NORTH 27°54'31" EAST, BEING THE CENTERLINE OF SIXTH STREET AS SHOWN UPON RECORD OF SURVEY FILE 134-PA-52, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

BENCHMARK
CITY OF LAS VEGAS BENCHMARK BLV01 34SW6
RIVET & PLATE IN TOP OF CURB, NORTHEAST CORNER OF LAS VEGAS BOULEVARD AND GARCES AVENUE.
612.858 METERS
2010.68 FEET
(NAVD 88)

- SEWER NOTES/QUANTITIES (PUBLIC)**
- INSTALL NEW 48-INCH MANHOLE WITH 24" TUBS PER DCSWCS SD-1A, 1B, 2A, 5 2 EA
 - REMOVE EX. SMH IN ALLEY WAY 1 EA
 - 130 LF OF EX 10" PVC SEWER LINE TO BE ABANDONED PER SECTION 3.18.1 OF THE "DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS 09 EDITION" 1 EA
 - INSTALL 8" PVC SEWER LATERAL @ 2.0% MIN. CONNECT TO EX. SMH #4 48.72 LF
 - *MATCH CROWN OF 8" LATERAL WITH CROWN OF EX 21" SEWER* 1 EA
 - INSTALL 8" CLEANOUT PER DETAIL. SEE SHEET C6 1 EA
 - PAVEMENT RESTORATION, TRENCH AND BACKFILL PER CCAUSD STD. DWG. 503 225 LF
 - INSTALL 6" PVC SEWER 1 EA
 - INSTALL GREASE INTERCEPTOR (BY OTHERS) 1 EA
 - INSTALL 4" CLEANOUT PER SD 26 2 EA
 - INSTALL 4" PVC SEWER @ 2% MIN. 175 LF
 - SAMPLING MANHOLE PER DCSWCS NO. SD-34 1 EA

CITY OF LAS VEGAS FIRE DEPARTMENT FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS: 2500 GALLONS PER MINUTE

BASED ON:

SQUARE FOOTAGE: 54,925 SQUARE FEET

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 54,925 SQUARE FEET

BUILDING HEIGHT: 133' FEET

NUMBER OF STORIES: 11 FLOOR

TYPE OF CONSTRUCTION: IB

OCCUPANCY: 81/51

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: 1ST FLOOR ONLY

REVIEWED BY: R. P. [Signature]

DATE: 12/7/15

APPROVED FOR CONSTRUCTION 1ST APP'D 5/3/12

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT NO. 116894 DATE: 12/8/15

LVWD APPROVED FIRE FLOW 2500 GPM AT 20 PSI RESIDUAL

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. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

SAFETY ALERT
Call Before You Dig
Call Before You Dig
Call Before You Dig

1-702-432-5300
1-702-227-2929
CLV PROJECT # 42943

LEGEND

---	PROPERTY LINE
---	RIGHT OF WAY
---	AC CUTLINE
---	EXISTING CURB
---	PROPOSED CURB
---	EXISTING EDGE OF PAVEMENT
---	PROPOSED EDGE OF PAVEMENT
---	EXISTING BLOCK WALL
---	PROPOSED BLOCK WALL
---	CONTOUR LINE
---	EXISTING OVER HEAD POWER
AC	ASPHALTIC CONCRETE
BC	BACK OF CURB
BOR	BEGINNING OF CURB RADIUS
BW	BACK OF WALK
CO	CURB & CUTTER
CL	CENTERLINE
CONC	CONCRETE
E	ELECTRICAL
ECR	END OF CURB RADIUS
EP	EDGE OF PAVEMENT
EX	EXISTING
FG	FINISH GRADE
FL	FLOW LINE
GB	GRADE BREAK
HP	HIGH POINT
INV	INVERT
LF	LINEAR FEET
LP	LOW POINT
NG	NATURAL GROUND
PL	POLYVINYL CHLORIDE
PE	POLYETHYLENE
SL	STREET LIGHT
SMH	SEWER MANHOLE
SSCO	SANITARY SEWER CLEANOUT
STA	STATION
SW	SIDEWALK
TC	TOP OF CURB
TE	TRASH ENCLOSURE
TF	TOP OF FOOTING
TOP	TOP OF SLOPE
TOE	TOE OF SLOPE
TLVT	TELEPHONE VAULT
TRW	TOP OF RETAINING WALL
TW	TOP OF WALL
(88.88)	EXISTING GRADE
88.88	PROPOSED GRADE
OK	EXISTING 250W STREET LIGHT

SEWER CONTRIBUTION

USE CODE	240	AVERAGE DAILY FLOW	78	19,662	CPD
FIXTURE COUNT	0.65	MGD	0.0196	MGD	
EQUIVALENT ERU	78.65	CFS	0.0304	CFS	
TOTAL ERU					
		PEAK DAILY FLOW			
		CPD	62.918	CPD	
		MGD	0.00291	MGD	
		CFS	0.09735	CFS	

- WATER/SEWER CROSSING**
- **SEE SHEET C5 FOR PLAN AND PROFILE**
 - **SEE SHEET C5 FOR PLAN AND PROFILE**
 - **SEE SHEET C5 FOR PLAN AND PROFILE**
 - **SEE SHEET C5 FOR PLAN AND PROFILE**
 - **SEE SHEET C5 FOR PLAN AND PROFILE**
 - **SEE SHEET C5 FOR PLAN AND PROFILE**

LOCHSA ENGINEERING

5655 S. YOSEMITE ST., SUITE 301, GREENWOOD VILLAGE, CO 80111
PHONE: (303) 220-0500 FAX: (303) 220-0596

UTILITY PLAN

FEDERAL JUSTICE TOWER
SE CORNER CLARK AVE AND LAS VEGAS BLVD
CITY OF LAS VEGAS, NV

PROJECT No.: 141098
DATE: 10/13/2014
SCALE: 1"=20'
DRAWN BY: DKK
DESIGNED BY: DKK
CHECKED BY: TTE

SHEET No. C4A
SHEET 4 of 11
CLV DWG # 107V5688