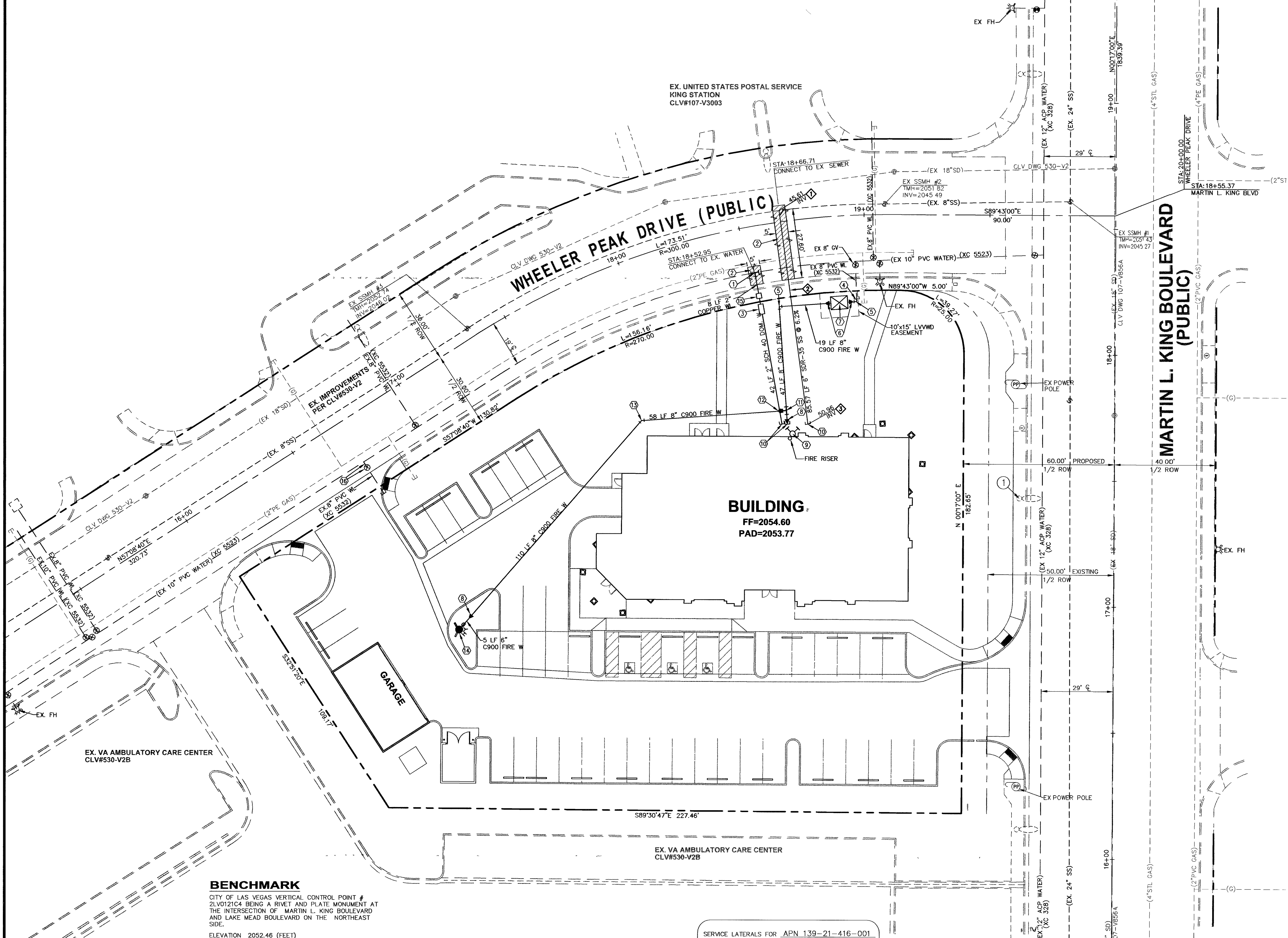


SEWER CONSTRUCTION NOTES

- 1. CONNECT TO EXISTING SEWER WITH A 6" SEWER LATERAL
- 2. INSTALL 6" SEWER LATERAL
- 3. REFER TO PLUMBING PLANS FOR CONTINUATION

WATER CONSTRUCTION NOTES

- 1. INSTALL 2" SERVICE SADDLE PER UDACS PLATE NO. 10
- 2. SAWCUT, TRENCH, BACKFILL AND PATCH PER CCAUSD #503
- 3. INSTALL 2" RPPA PER UDACS PLATE NO. 11A
- 4. REMOVE CAP AND CONNECT TO EXISTING 8" WATER STUB PER UDACS PLATE #4A
- 5. INSTALL 8" 90° ELBOW WITH THRUST BLOCKS PER UDACS PLATE #5
- 6. INSTALL 10" X 8" REDUCER WITH THRUST BLOCKS PER UDACS PLATE #3
- 7. INSTALL 10" FEBCO "N" PATTERN DCDA PER UDACS PLATE #11C
- 8. INSTALL 8" X 6" REDUCER WITH THRUST BLOCKS PER UDACS PLATE #3
- 9. INSTALL FDC (FIRE DEPARTMENT CONNECTION)
- 10. REFER TO PLUMBING PLANS FOR CONTINUATION
- 11. INSTALL 8" TEE WITH THRUST BLOCKS PER UDACS PLATE #5
- 12. INSTALL 8" GATE VALVE PER UDACS PLATE #3
- 13. INSTALL 8" 45° ELBOW WITH THRUST BLOCKS PER UDACS PLATE #5
- 14. INSTALL FIRE HYDRANT AND APPURTENANCES PER UDACS PLATE NO. 7
- 15. INSTALL 2" WATER METER PER UDACS PLATE NO. 10
- 16. CUT & CAP EX. 8" WATER LINE AND ABANDON VALVE

STREET LIGHT NOTE

- 1. ADJUST CRASH CAP TO NEW FINISH GRADE OF SIDEWALK

STREET LIGHT NOTE

ALL WORK ASSOCIATED WITH THIS/THOSE STREETLIGHT/S SHALL BE DONE UNDER DIRECT SUPERVISION OF THE CITY OF LAS VEGAS ELECTRICAL SHOP. ANY QUESTIONS CALL 229-6331

STREET LIGHT NOTE

IF FOUNDATION IS NOT VISIBLE OR DAMAGED FROM MODIFYING BASES, A NEW GROUND ROD WILL HAVE TO BE INSTALLED FOR EACH POLE FOUNDATION. CALL 24 HOURS BEFORE STARTING WORK (229-6331). IF EXISTING POLES CAN'T BE ADJUSTED TO NEW FINISH GRADE, OR FOUNDATION IS DAMAGED IN MODIFYING, A NEW FOUNDATION WILL BE REQUIRED.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 2"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. 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) TO ALLOW THE DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO START OF CONSTRUCTION.

DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) (1)-10"

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE 11C

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

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO START OF CONSTRUCTION.

PIPE MATERIAL CONSTRUCTION LIST

UNLESS OTHERWISE NOTED ON THE PLANS, ALL PIPE MATERIALS USED SHALL BE AS FOLLOWS:
WATER SYSTEM
ALL PIPES GREATER THAN OR EQUAL TO 4" IN DIAMETER SHALL BE CONSTRUCTED USING C-900 PVC
ALL PIPES LESS THAN 4" IN DIAMETER SHALL BE CONSTRUCTED USING SCH 40 PVC
SEWER SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING SDR-35
STORM DRAIN SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING MATERIALS AS NOTED ON PLANS

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT # 2LV0121C4 BEING A RIVET AND PLATE MONUMENT AT THE INTERSECTION OF MARTIN L. KING BOULEVARD AND LAKE MEAD BOULEVARD ON THE NORTHEAST SIDE.

ELEVATION 2052.46 (FEET)
625.5911 (METERS)
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD'88)

BASIS OF BEARING

N.00°17'00"E ALONG THE CENTERLINE OF MARTIN LUTHER KING BLVD., AS SHOWN UPON BOOK 77, PAGE 54 OF PLATS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

ABANDONED VALVE CUT AND CAP

ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP TWENTY-FOUR (24) INCHES OF THE VALVE BOX, AND THEN FILLING THE BOTTOM OF THE BOX WITH A MINIMUM OF EIGHT (8) INCHES OF SAND OR TYPE II AGGREGATE BASE. THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST TWO THOUSAND (2,000) PSI. THE LATERAL MUST BE CUT WITHIN THREE (3) FEET OF THE ABANDONED VALVE, OR AS SHOWN ON PLANS, AND CAPPED. THE CONTRACTOR SHALL CUT THE EXISTING PIPE WHERE SHOWN ON THE DRAWING AND INSTALL A CAP COMPLETE WITH THRUST BLOCK. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATIONS, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CAP OR PLUG LOCATIONS IN ACCORDANCE WITH THE PROVISIONS OF UDACS PLATE 5. ESN.033 REV 6/1/04

DISCLAIMER NOTE:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION 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.

SERVICE LATERALS FOR APN 139-21-416-001
WILL BE TAPPED ON EXISTING MAIN BY OWNER'S CONTRACTOR UNDER DIRECTION OF THE LVVWD.

CLV FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1625 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE	
BASED ON	
SQUARE FOOTAGE	14,126 SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS	14,126 SQUARE FEET
BUILDING HEIGHT	38 FEET
NUMBER OF STORIES	2 FLOORS
TYPE OF CONSTRUCTION	Y-B
OCCUPANCY	B - OFFICE FACILITY
FULL AUTOMATIC FIRE SPRINKLER SYSTEM	☒ YES ☐ NO
REVIEWED BY	DATE

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

Call before you Dig.
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS AND

Call before you Dig.
1-702-229-6611
FREIGHT AND AIRCRAFT SYSTEMS OF TRANSPORTATION

REVISION APPROVAL BLOCK

REV.	#	DATE	DESCRIPTION
1	18-105		

SCALE: 1"=20'

DRAWN BY:	DESIGNED BY:	CHECKED BY:	SUBMITTAL DATE:	REV. #	DATE
CM	CM	DM	5/17/04		

2480 E. Tompkins Ave.
Suite # 232
Las Vegas, NV 89121
phone: 702.456.4664
fax: 702.456.4919

INTEGRITY ENGINEERING

TOM ARLT
OFFICE BUILDING
UTILITY PLAN AND
STREET LIGHTING

APPROVED FOR CONSTRUCTION
CITY OF LAS VEGAS FIRE DEPARTMENT
DATE

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
DATE

SEAL OF THE CITY OF LAS VEGAS
TOMATO S. MORENO
Exp. 03-05
Professional Seal No. 10361
2/5/04

SHEET C4.01
5 OF 6 SHEETS
DRAWING NO. 107V4290