

WATER METER REPLACEMENT 515 FREMONT STREET

FOR
515 FREMONT LLC

LAS VEGAS, NEVADA
APN: 139-34-601-015

SHEET INDEX

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NO.	DATE	BY	REVISIONS

OWNER/DEVELOPER: 515 FREMONT LLC
281 LAS VEGAS BLVD SUITE 110
LAS VEGAS, NEVADA 89101
PHONE: (702) 204-8937

ENGINEER: HAUNTEC
2721 IRONSIDE DRIVE
LAS VEGAS, NEVADA 89108
PHONE: (702) 219-5785

APPROVALS

Allen Pavelka 6-20-17
ALLEN PAVELKA, PE # 9029 DATE
CITY ENGINEER

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 DEVIATIONS OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA, NEVADA.

Chris Knight 6/20/17
CHRIS KNIGHT, DIRECTOR DATE
BUILDING AND SAFETY DEPARTMENT

THIS PLAN MEETS THE APPLICABLE STANDARDS OF THE PLANNING DEPARTMENT.

K. Smith 5/25/17
CITY OF LAS VEGAS FIRE DEPARTMENT DATE

APPROVED FOR CONSTRUCTION

Y. J. Shari
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO.: 125408 DATE: 5/30/17
SHEETS: COV, N1, & C1

Tom I. Mich 5/24/17
CENTRAL TELEPHONE COMPANY (DBA CENTURYLINK) DATE

THE AFFIXED CENTURYLINK 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.

Patrice Gray 5-24-17
NEVADA ENERGY COMPANY DATE

NEVADA POWER COMPANY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA POWER COMPANY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.

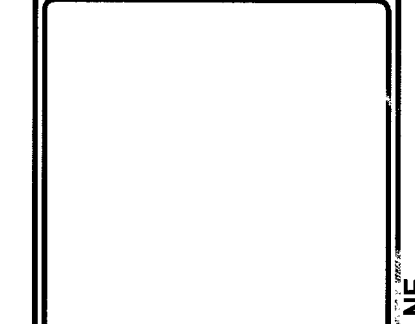
Nicholas J. Whinnery 5/23/17
COX COMMUNICATIONS LAS VEGAS, INC. DATE

Matthew Pedersen 22 May 2017
SOUTHWEST GAS CORPORATION DATE

COVER SHEET

PROJECT: WATER METERS REPLACEMENT
515 FREMONT STREET
CITY OF LAS VEGAS, NEVADA

DESIGNER:
DRAWN BY:



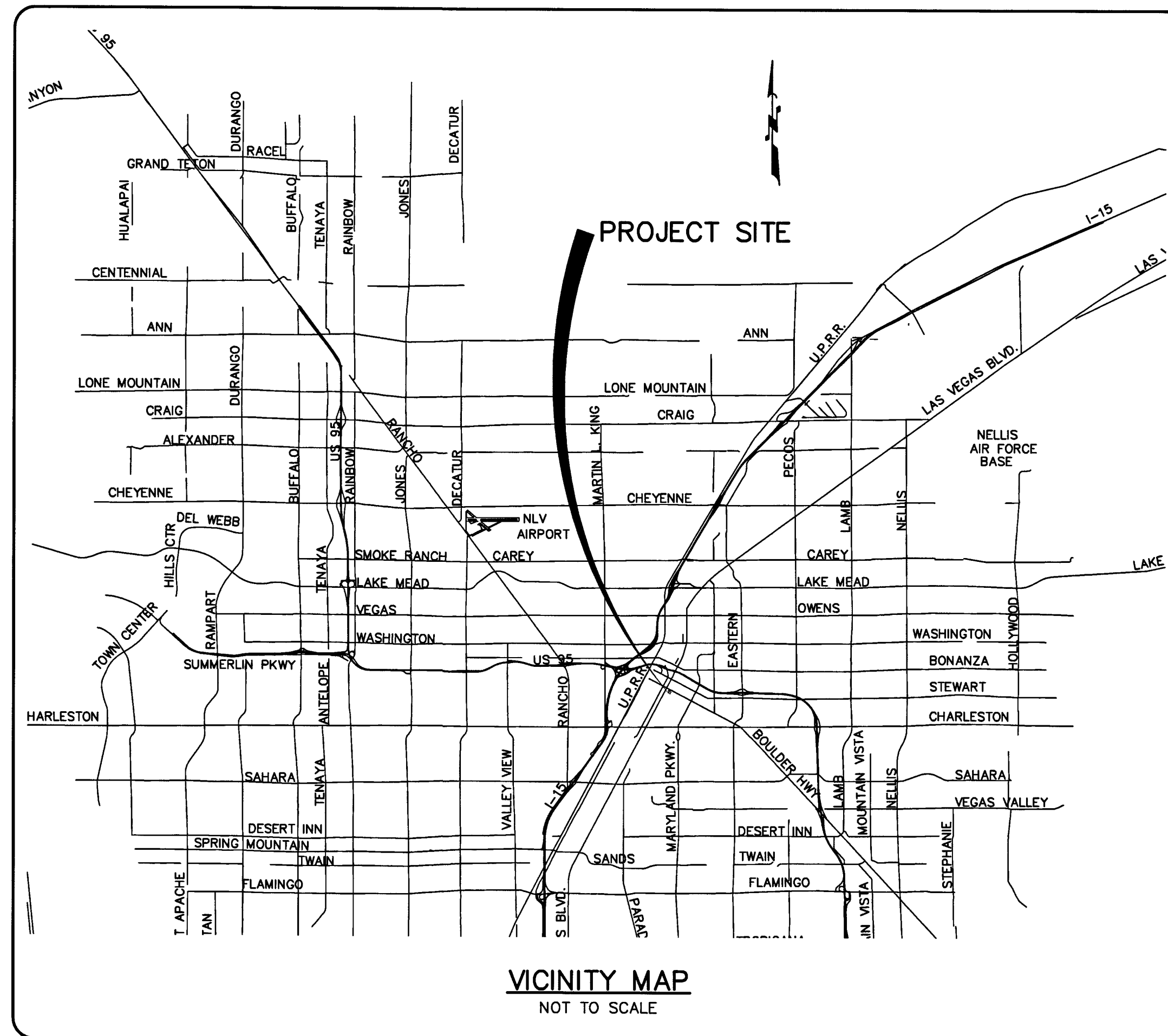
JOB NO.
16-0060

SHEET No.
COV

1 OF 3

HANSEN No.
L- 68770

CLV DWG No.
635-35



DEVELOPER:

TRINITY HAVEN DEVELOPMENT, LLC

211 TOWER STREET
LAS VEGAS, NEVADA 89101
PHONE: (702) 204-8437

ENGINEER:

HAUNTEC

2721 IRONSIDE DRIVE
LAS VEGAS, NEVADA 89108
PHONE: (702) 219-5785

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO. 8LV0134N6, DESCRIBED AS A RIVET AND PLATE IN TOP OF CURB IN THE SOUTHWEST CORNER OF LAS VEGAS BOULEVARD AND FREMONT STREET. ELEVATION = 2007.31 FT./611.829 M

BASIS OF BEARING

NORTH 27°45' EAST BEING THE BEARING OF THE CENTERLINE OF 6TH STREET, AS SHOWN ON THE FINAL PLAT OF HAWKINS ADDITION TO THE CITY OF LAS VEGAS IN BOOK 1, PAGE 40 OF PLATS ON FILE IN THE OFFICE OF THE CLARK COUNTY RECORDER, CLARK COUNTY, NEVADA.



PLOT DATE: 5/22/17

PROJECT: 125408 AGR: 116303 QS: 139-34-NE

CITY OF LAS VEGAS GENERAL NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, LATEST EDITION, THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".

CITY OF LAS VEGAS GRADING NOTES

- 1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.

CITY OF LAS VEGAS FIRE & RESCUE GENERAL NOTES

- 1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE # 6325 FOR HYDRANT INSTALLATION SPECIFICATIONS.

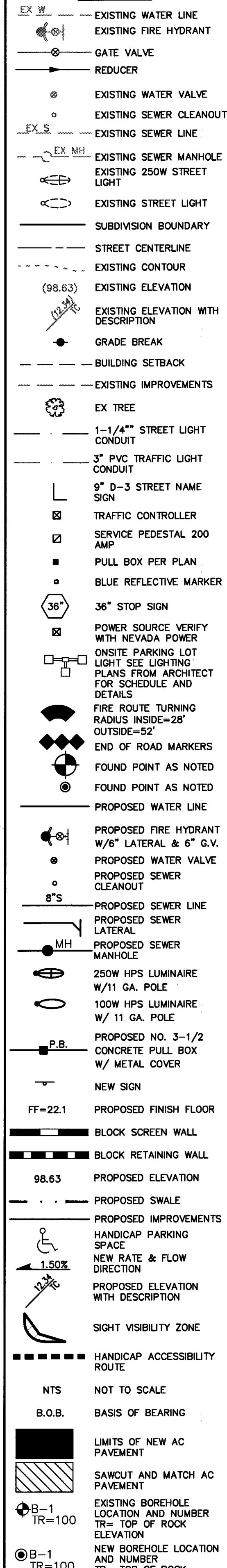
CITY OF LAS VEGAS SEWER NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.

CITY OF LAS VEGAS STREET LIGHT NOTES

- 1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND ANY ADOPTED SPECIAL AREA STANDARDS.

LEGEND



CITY OF LAS VEGAS TRAFFIC NOTES

- 1. ALL CONSTRUCTION SIGNING, BARRICAADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes BC - BACK OF CURB, BCR - BEGIN CURB RETURN, BVC - BEGIN VERTICAL CURVE, etc.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO. 8LV0134N6
RIVET AND PLATE IN TOP OF CURB SW CORNER OF LAS VEGAS BOULEVARD AND FREMONT ST.
ELEVATION = 611.829 METERS (NAV'D'88 PUBLISHED)
2007.31 SURVEY FEET (NAV'D'88 CALCULATED)

BASIS OF BEARING

SOUTH 27°53'29" WEST BEING THE BEARING OF THE CENTERLINE OF SIXTH STREET BETWEEN CARSON AVENUE AND FREMONT STREET, AS SHOWN ON RECORD OF SURVEY FOR CITY OF LAS VEGAS, IN FILE 67, PAGE 79 OF SURVEYS ON FILE IN THE OFFICE OF THE CLARK COUNTY RECORDER, CLARK COUNTY, NEVADA.

ESTIMATE OF QUANTITIES

Table with columns: ESTIMATE OF PUBLIC QUANTITIES FOR PERMITTING PURPOSES ONLY, STREET IMPROVEMENTS, PRIVATE, PUBLIC, TOTAL. Includes rows for CUT, FILL, 3" AC PAVEMENT OVER 6" TYPE II, SEWER/WATER, BOLLARDS.

NOTICE TO CONTRACTORS:

QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING HIS OWN QUANTITY TAKE OFF, AND BID ACCORDINGLY.

DEVIATIONS TO STANDARDS

- 1. NONE

NOTE

- 1. THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCY.

LAS VEGAS VALLEY WATER DISTRICT (LVVWD) STANDARD NOTES

- 1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN PROVIDED FOR CONSTRUCTION BY THE LVVWD. THE LVVWD WILL BE RESPONSIBLE FOR ALL ITEMS ASSOCIATED WITH THE INSTALLATION, CONSTRUCTION, ENERGIZING, MAINTENANCE AND OPERATIONAL COST OF SAID STREET LIGHTS.

ENGINEER'S NOTE

- 1. 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.

Project information block including: OWNER/DEVELOPER: 515 FREMONT LLC, PROJECT: WATER METERS REPLACEMENT, SHEET No. N1, 2 OF 3, JOB No. 16-0060, SHEET No. N1, 2 OF 3, CLV DWG No. 635-35.

PLAT DATE: 5/22/17

PROJ: 16-0060 AG: 16303 QS: 139-34HE

ABANDONMENT OF EXISTING SERVICE(S) - 2" AND SMALLER

THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING. AFTER THE FINAL READING THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS: EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAINS SHALL HAVE THE CORPORATION STOPS TURNED OFF AT THE MAIN, A MINIMUM OF TWELVE (12) INCHES OF THE LATERAL CUT OUT NEAR THE CORPORATION STOPS, AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE DISTRICT. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD COMMUNICATION SUPPORT CENTER AT (702-258-7171) FOR FURTHER DIRECTION. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES, FILL AND GRADE ANY AND ALL RESULTING VOIDS, AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

ENGINEER'S NOTES

- CONTRACTOR TO VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
- ENGINEER TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES. THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE GOVERNING AGENCIES.

FIRE FLOW CALCULATIONS

* FIRE FLOW IS BASED ON THE TABLE B 105.1 (IFC APPENDIX B)

* BUILDING HEIGHT, NUMBER OF STORIES, AND TYPE OF CONSTRUCTION ARE ALL DETERMINED BASED ON THE GUIDELINES AND DEFINITION OUTLINE IN IFC APPENDIX B

* ANY PERMITTED REDUCTIONS IN THE REQUIRED FIRE FLOW ARE OUTLINED IN SNFC B105.2

* IN DETERMINING THE MINIMUM NUMBER OF HYDRANTS REQUIRED, THE MAXIMUM FLOW FROM EACH HYDRANT SHALL BE 1500GPM. HYDRANT SPACING SHALL BE PER IFC APPENDIX C / SNFC SECTION C105.1

* DEVELOPMENTS WITH MULTIPLE BUILDINGS: THIS CHART SHALL BE PROVIDED FOR THE LARGEST BUILDING FOR EACH CONSTRUCTION TYPE, AND FOR EACH SPRINKLERED/NONSPRINKLERED BUILDING TYPE IF APPLICABLE.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE @ 20 PSI RESIDUAL PRESSURE.

BASED ON:

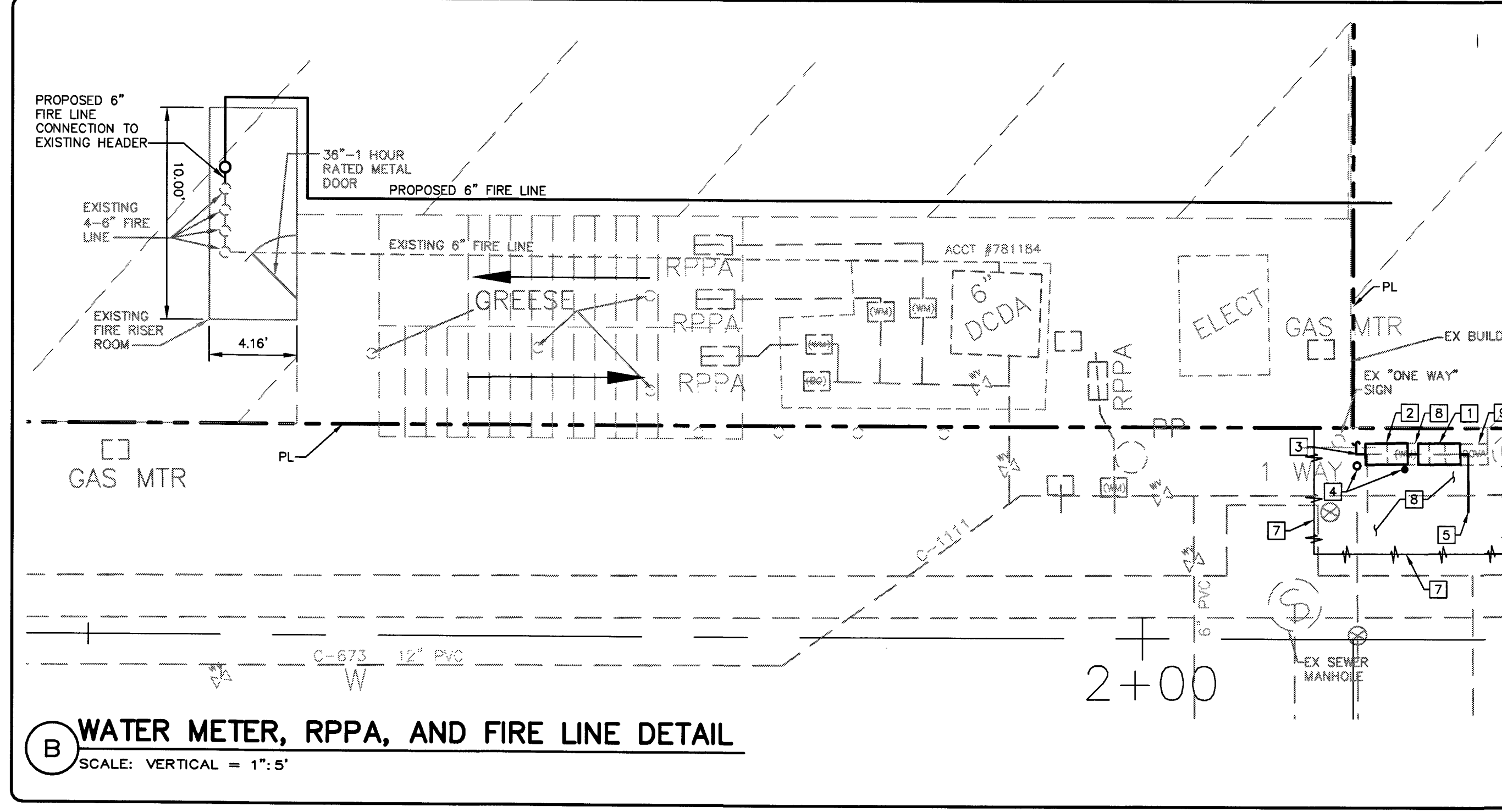
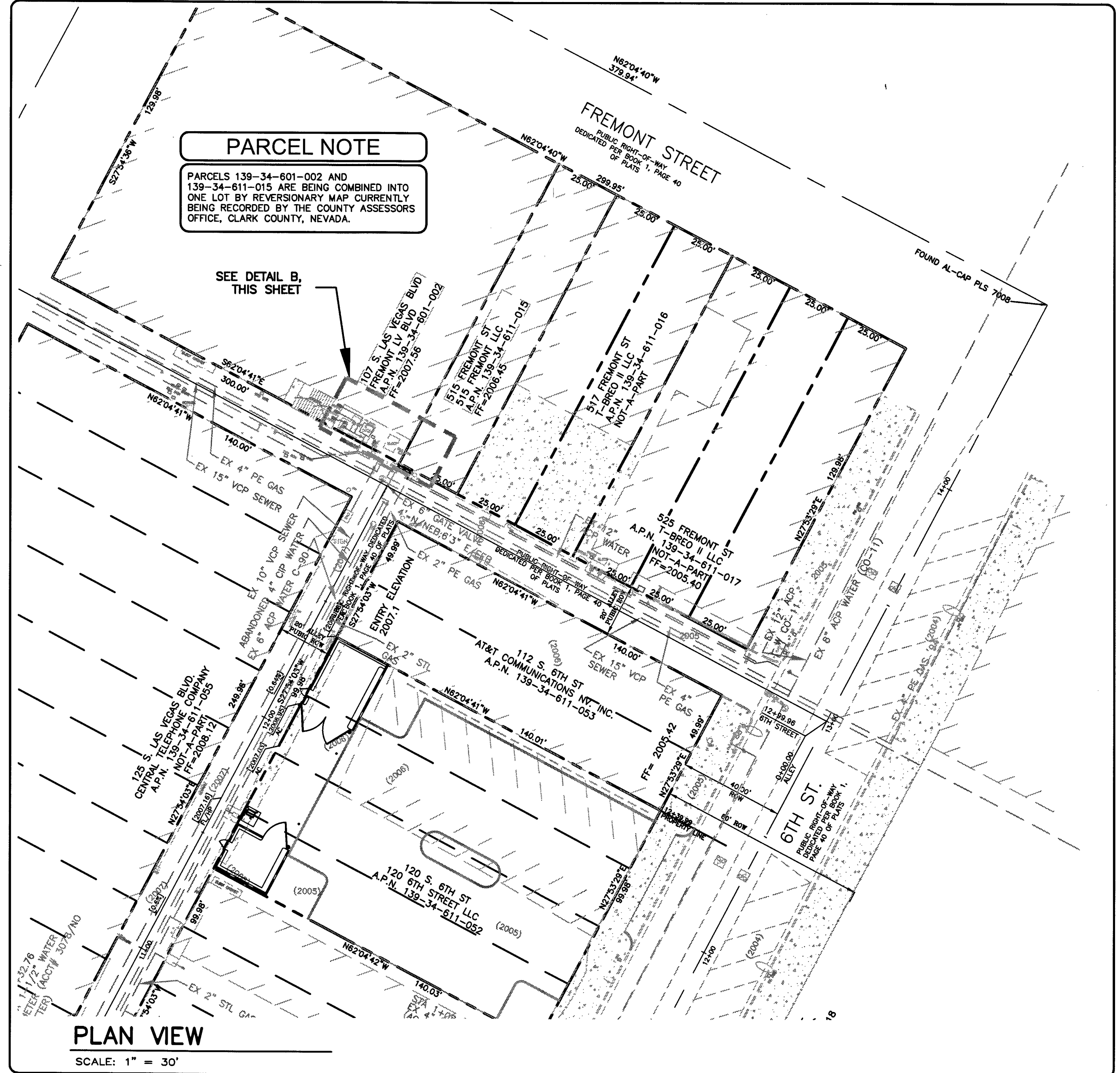
- SQUARE FOOTAGE: 3253 SF
- LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A SF
- BUILDING HEIGHT: 15 FT
- NUMBER OF STORIES: 1 FLOORS
- TYPE OF CONSTRUCTION: V-B
- OCCUPANCY: B
- FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES

UTILITY NOTES

- ALL SEWER/STORM DRAINS CROSSINGS WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.
- EXISTING WATER LATERALS CROSSING AND/OR PARALLEL TO PROPOSED SEWER AND/OR SEWER MANHOLES, RELOCATED OR DAMAGED WITH THIS PROJECT SHALL BE INSTALLED PER UDACS PLATE # 4 AND UDACS SECTIONS 2.17 AND 2.22.03 AND SERVICE RECONNECTION NOTE.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA) (1) 1-1/2"

THE REDUCED PRESSURE PRINCIPLE ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.



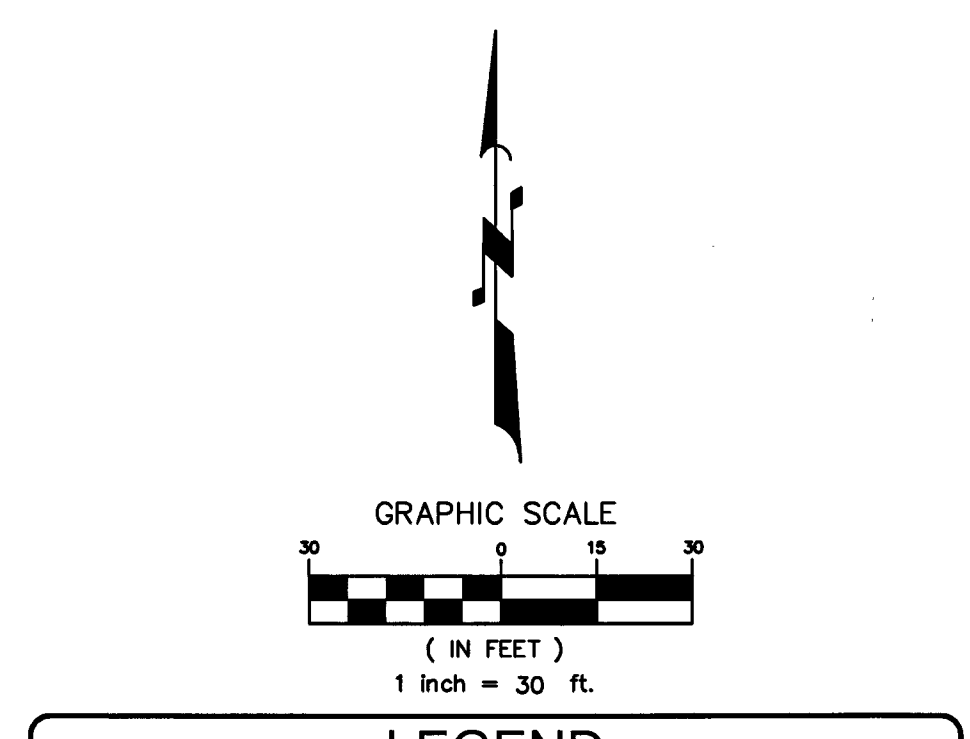
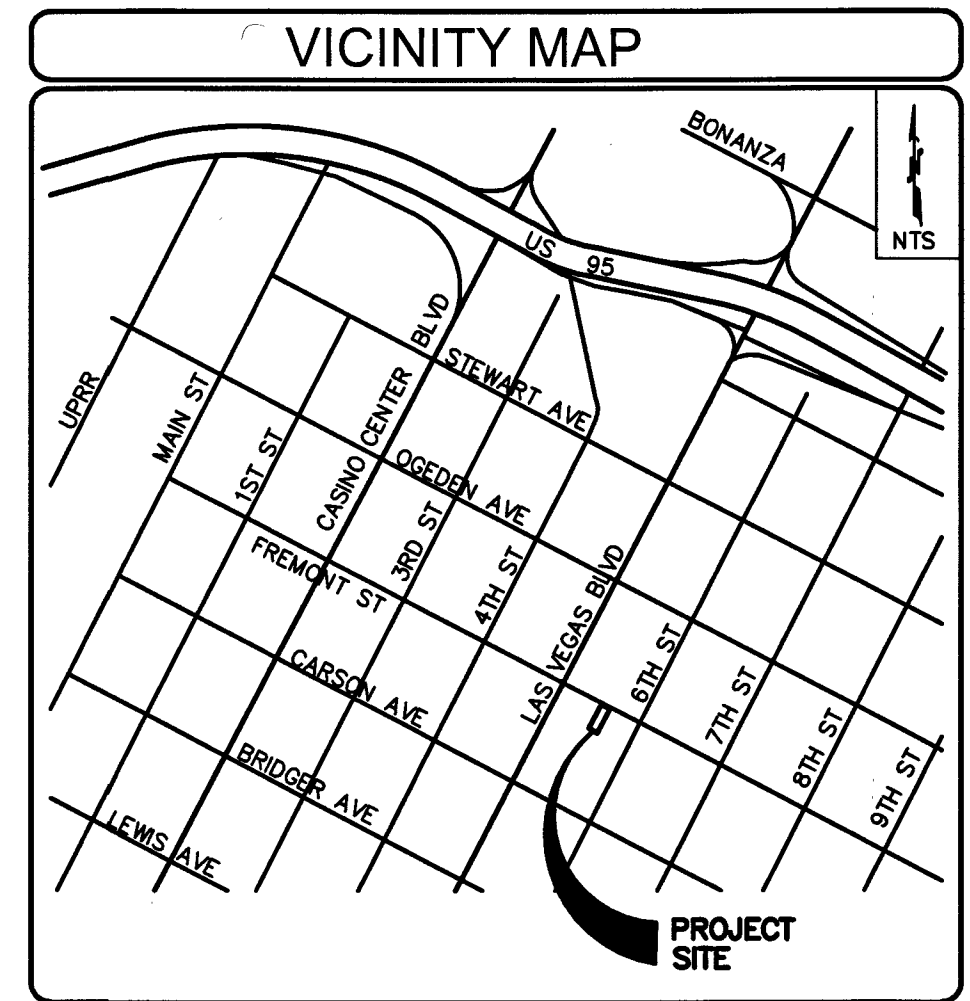
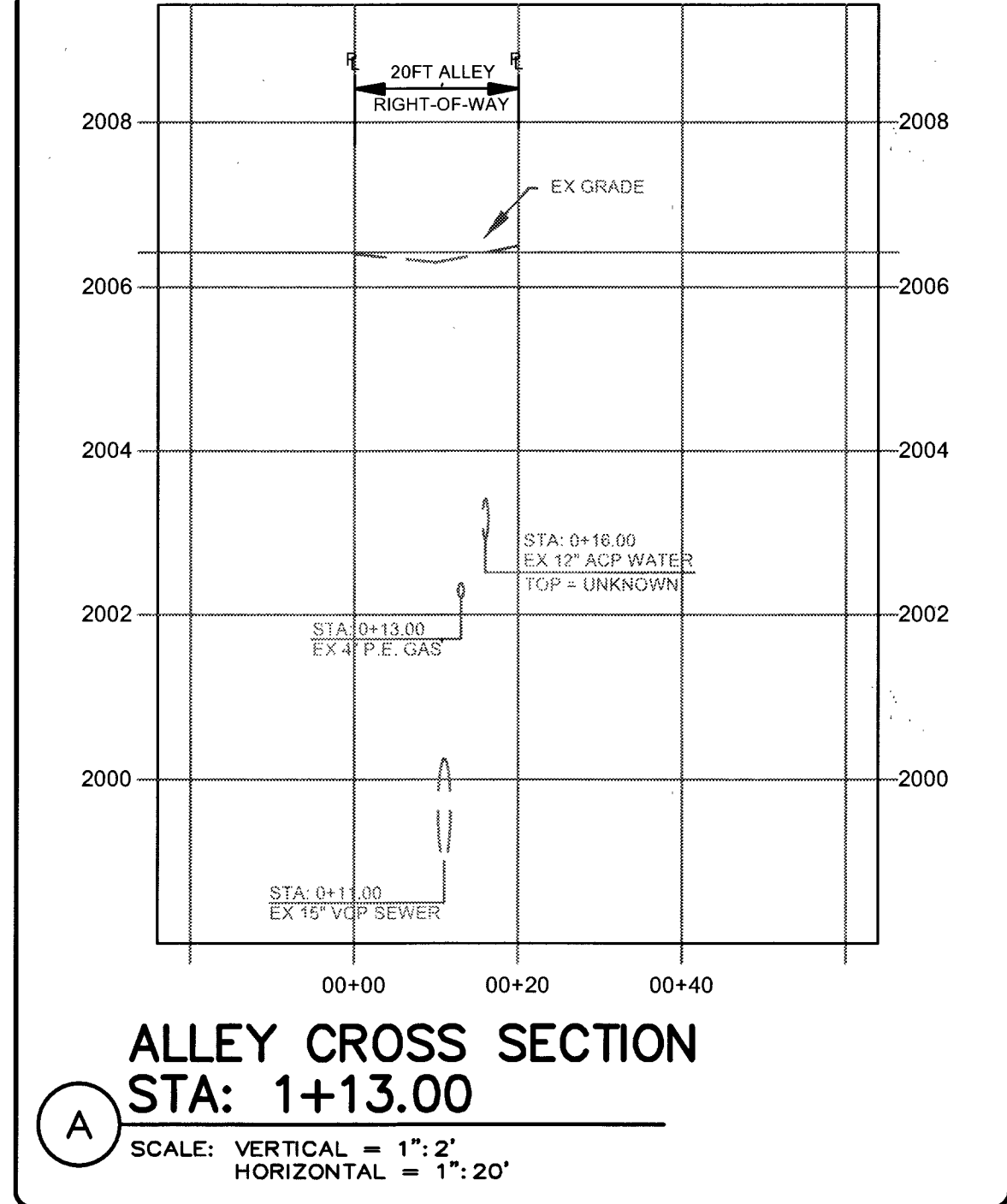
CONSTRUCTION NOTES

- INSTALL 1-1/2" WATER METER PER UDACS PLATE No. 4
- INSTALL 1-1/2" RPPA PER UDACS PLATE No. 8 AND NOTE ON THIS SHEET
- INSTALL 1-1/2" PVC WATER LINE
- INSTALL BOLLARD PER UDACS No. 75
- AT STATION 1+843.54 CONNECT PROPOSED 1-1/2" COPPER WATER LATERAL TO EXISTING 12" PVC MAIN PER UDACS PLATE No. 4
- TRENCH AND BACKFILL AND AC PAVEMENT RESTORATION PER CCAUSD No. 500.3, 500.5 & 503
- SAWOUT LINE
- ABANDON AND REMOVE EXISTING 3/4" WATER METER (ACCT #3055) PER UDACS SECTION 2.17.04 AND NOTE ON THIS SHEET
- REMOVE EXISTING 1" DCVA (ACCT #3055)

ESTIMATE OF QUANTITIES

STREET IMPROVEMENTS	PRIVATE	PUBLIC	TOTAL
3" AC PAVEMENT	0 SY	6 SY	6 SY
SEWER/WATER			
1-1/2" WATER METER	0 EA	1 EA	1 EA
1-1/2" RPPA	0 EA	1 EA	1 EA
1-1/2" PVC WATER LINE	0 LF	3 LF	3 LF
BOLLARD	0 EA	2 EA	2 EA

NOTICE TO CONTRACTORS:
QUANTITIES SHOWN ARE FOR PERMITTING PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING HIS OWN QUANTITY TAKE OFF, AND BID ACCORDINGLY.



BENCHMARK

CITY OF LAS VEGAS BENCHMARK NO. 13LV0135W4
RIVET AND PLATE IN TOP OF CURB SOUTHEAST CORNER OF FREMONT AND 11TH STREET.
ELEVATION = 1985.52 FT./605.188 M

BASIS OF BEARING

SOUTH 27°45'00" WEST, BEING THE BEARING OF THE CENTERLINE OF 10TH STREET AS SHOWN ON THAT CERTAIN PLAT OF BUCK'S SUBDIVISION OF LAS VEGAS ON FILE IN BOOK 1 PAGE 15 OF PLATS IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 125408 DATE 5/30/17
LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

UTILITY PLAN

WATER METERS REPLACEMENT
515 FREMONT STREET
CITY OF LAS VEGAS, NEVADA

OWNER/DEVELOPER: 515 FREMONT LLC
281 N LAS VEGAS BLVD, SUITE 110
LAS VEGAS, NV 89101
PHONE: (702) 204-8737

ENGINEER: HAUNTEC
2721 IRONSIDE DRIVE
LAS VEGAS, NEVADA 89108
PHONE: (702) 219-5785

DESIGNER:
DRAWN BY:

JOB NO. 16-0060
SHEET NO. C1
3 OF 3
CLV DWG NO. 635-35

HANSEN No. L-68770

PROJ. NO. 125408 AGR:116303 QS:139-34-NE

PLOT DATE: 5/22/17