

IMPROVEMENT PLANS

FOR 3316 VALLEY LANE WATER LINE EXTENSION

CITY OF LAS VEGAS
STATE OF NEVADA
APN: 139-20-310-025

APN
139-20-310-025

OWNER
Z3 ENTERPRISES LLC,
8890 SPANISH RIDGE
LAS VEGAS, NV 89148
KHALIL ZIADE, 1(702) 336-7675

LEGAL DESCRIPTION
A PORTION OF VALLEY LANE, LOCATED WITHIN A CERTAIN PORTION OF THE SE 1/4 OF SECTION 20, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M. COUNTY OF CLARK, STATE OF NEVADA.

BENCH MARK
BM No. 0612009 ELEVATION = 2097.22' // 639.234 METERS RIVET AND PLATE IN THE TOP OF CURB ON THE NORTHEAST CORNER OF HOLLY AVE. AND SIMMONS ST. (STAMPED 7LV012056) NAVD'88

BASIS OF BEARING
N89°56'24" E BEING THE CENTERLINE OF VALLEY LANE LOCATED IN A PORTION OF SECTION 20, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M. AS PER BOOK 23 PAGE 45, CLARK COUNTY, NEVADA RECORDS.

FLOOD ZONE DESCRIPTION
THIS SITE LIES IN A FLOOD ZONE "X" AS SHOWN ON FEMA FIRM PANEL 32003C2160F, MAP REVISED NOVEMBER 16, 2011



DRAWING INDEX	
SHEET	DESCRIPTION
1	C1 COVER SHEET
2	C2 NOTES AND DETAIL SHEET
3	C3 UTILITY PLAN

Call before you dig
Avoid cutting underground utility lines. It's costly.

Call
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1-800-227-2929
CLARK COUNTY PUBLIC UTILITIES
1-702-455-7544

SAFETY ALERT
Call
Before You
Overhead
1-702-227-2929

APPROVALS

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-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 STANDARDS". 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.

[Signature] 12.18.19
Rosa Cortez, PE 19505
CITY ENGINEER
ACTING CITY ENGINEER

[Signature] 9/19/19
LAS VEGAS FIRE & RESCUE
DATE

[Signature] 9-11-19
CENTRAL TELEPHONE DBA CENTURY LINK
DATE

"THE AFFIXED CENTRAL TELEPHONE DBA CENTURY LINK 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"

[Signature] 9-10-19
NV ENERGY
DATE

NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA POWER 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.

[Signature] 9-10-19
SOUTHWEST GAS CORPORATION
DATE

APPROVED FOR CONSTRUCTION
[Signature]
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 136761 FIRST APPROVED DATE 9-25-19
LVWVD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW N/A GPM
SHEETS C1 - C3

CLV DWG # 100V/9087
CLV DWG. # L19-01063

R. LUCERO & ASSOCIATES, INC.

8946 LIBERTY VIEW RD. LAS VEGAS, NV 89148
(702) 277-4537
lucero@rla.com

DESIGNED: RLL
CHECKED: RLL
SCALE: N/A
FILE NO.: 19-01063

DEVELOPER/OWNER
Z3 ENTERPRISES LLC
8890 SPANISH RIDGE
LAS VEGAS, NV 89148
KHALIL ZIADE REPRESENTATIVE
PHONE: 1(702) 273-6688
EMAIL: khalilz@z3.com

DATE: 9/05/19

3316 VALLEY LANE
WATER LINE EXTENSION
COVER SHEET
CITY OF LAS VEGAS
NEVADA

REV. DATE BY APP'D DESCRIPTION

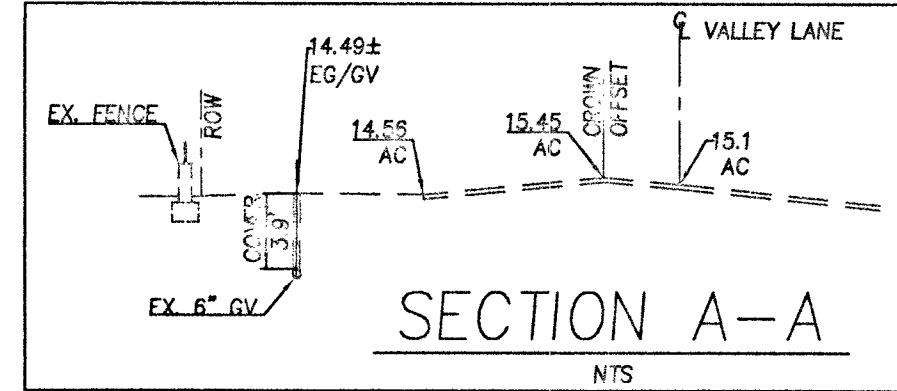
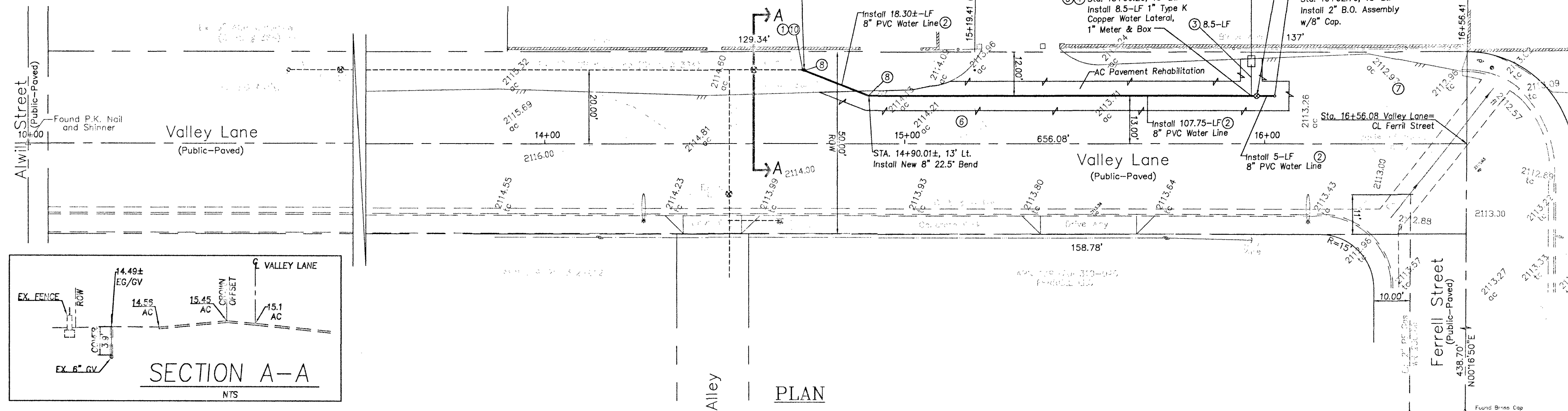
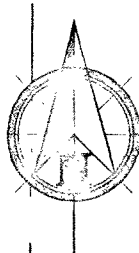
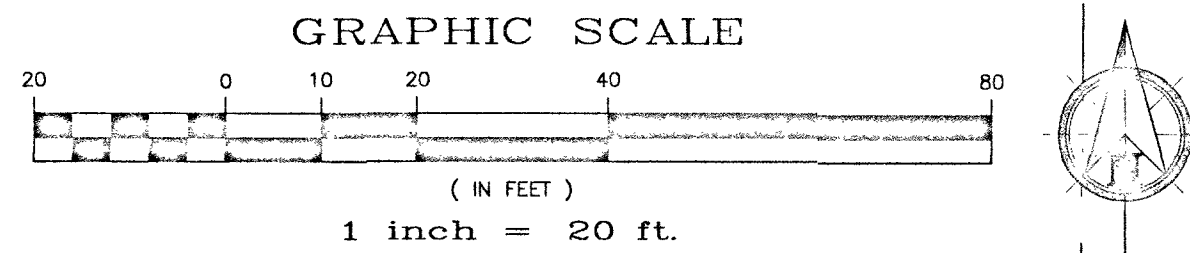
SHEET
C1
1 OF 3 SHEETS

PROJ. # 136761A QS: 135-20-SW

USE OF CUT-OFF WALLS NEAR LVVWD FACILITIES

FIVE FEET MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN THE CUT-OFF WALL AND THE WATER MAIN. FOR CROSSING OVER THE PROPOSED WATER MAIN, THE MAIN MUST BE WITHIN A STEEL CASING (PER UDACS PLATE 23) SPANNING FIVE FEET ON EITHER SIDE OF THE CUT-OFF WALL AND VERTICAL SEPARATION ON NO LESS THAN ONE FOOT BETWEEN TOP OF CASING AND BOTTOM OF THE WALL. IF THE MAIN IS EXISTING, A MINIMUM OF ONE FOOT VERTICALLY IS REQUIRED AND CLIN BETWEEN THE TOP OF THE MAIN AND THE BOTTOM OF THE CUT-OFF WALL.

DISPOSAL OF ASBESTOS CEMENT PIPE (ACP) SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

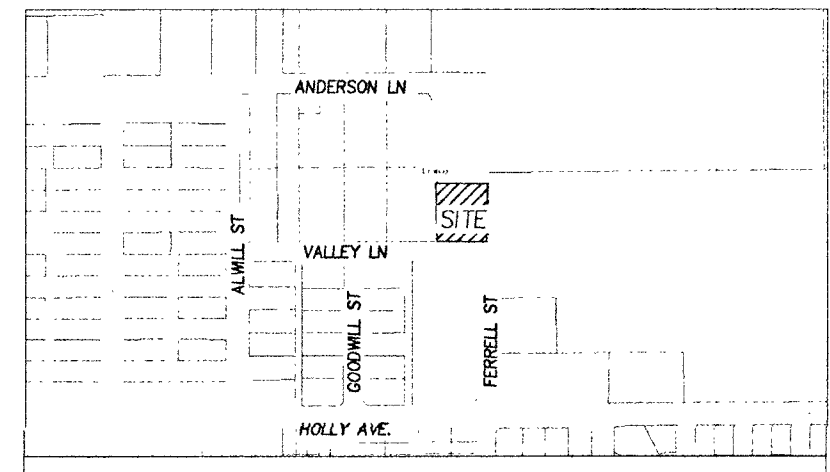


LEGEND

- XX— EXISTING CONTOUR
- ROAD CENTERLINE
- XX—XX— PROPERTY/ROW LINE
- SPOT ELEVATION
- SPOT ELEVATION TO BE VERIFIED IN FIELD
- FOUND POINT AS NOTED
- MANHOLE
- CLEAN-OUT
- GUY WIRE
- EDGE OF PAVEMENT
- CURB & GUTTER
- EXISTING CMU WALL
- NEW CMU WALL
- RETAINING WALL
- DRAINAGE INLET
- HYDRANT
- STREET LIGHT
- STORM DRAIN MANHOLE
- CONCRETE PADS
- SINGLE POLE SIGN
- MISCELLANEOUS UTIL. COVER
- CONCRETE AREAS
- EXISTING BUILDING
- HC ACCESS LANE
- HC PARKING SIGN
- HC PARKING SYMBOL
- CLEAN OUT
- EXISTING UTILITY LINES
- PROPOSED SEWER LINE
- CONDUIT

ABBREVIATIONS

- INV INVERT ELEVATION
- TGR TOP OF GRATE ELEVATION
- AC FINISHED ASPHALT ELEVATION
- FF FINISHED FLOOR ELEVATION
- ACP ASBESTOS CEMENT PIPE
- TC TOP OF CURB
- FG FINISH GRADE
- FL FLOWLINE
- GV GATE VALVE
- BO BLOW OFF VALVE ASSEMBLY
- DIP DUCTILE IRON PIPE
- FS FINISH SURFACE
- LF LINEAR FEET
- UTIL UTILITY
- E'MENT EASEMENT
- EX EXISTING
- STA STATION
- CONT CONTRACT
- RET. RETAINING
- PL PROPERTY LINE
- ELEC. ELECTRICAL LINES
- WL WATER LINES
- SS SANITARY SEWER LINES
- COMM. COMMUNICATIONS LINES
- CO. CLEAN-OUT



VICINITY MAP

APN 139-20-310-025

OWNER

Z3 ENTERPRISES LLC,
8890 SPANISH RIDGE
LAS VEGAS, NV 89148
KHAULI ZIADE, (702) 336-7675

LEGAL DESCRIPTION

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FLOOD ZONE DESCRIPTION

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NOTES

- This plan has been prepared per survey information provided by Boyd Nelson, PLS. The boundary, lot grades and elevations have been verified.
- The exact location of the connection points at existing water lines to be determined in the field.
- The Contractor shall review the plans prior to construction for discrepancies. The engineer shall be notified immediately and any discrepancies found shall be addressed to the owners satisfaction. R. Lucero & Associates will not be responsible for additional charges by the Contractor.
- The Contractor shall coordinate any changes with the Owner and the Engineer. Work shall not commence on changes until the Owner notifies the Engineer of such approved changes.
- The Contractor shall keep accurate as-built drawings and provide a set of complete as-built drawings to the engineer at the end of construction.

WATER CONSTRUCTION NOTES

- REMOVE PLUG OR EXISTING B.O. ASS'Y. AND CONNECT NEW 8" PVC PIPE TO EXISTING 6" ACP PIPE.
- INSTALL NEW 8" PVC WATER MAIN PER UDACS PLATE #17 FOR TRENCH SECTION BACKFILL.
- INSTALL NEW 1" TYPE K COPPER SERVICE LATERAL PER UDACS PLATE #3
- INSTALL (1) NEW 1" WATER METER PER UDACS PLATE #5, PER DETAIL ON SHEET C2
- INSTALL NEW 1" PVC WATER LATERAL
- SAWCUT, TRENCH, BACKFILL AND AC PAVEMENT RESTORATION PER COCAUSD #503 & 500.5.
- INSTALL NEW 2" BLOW-OFF VALVE PER UDACS PLATE #36
- INSTALL NEW 22 1/2" BEND PER UDACS PLATE #31.
- INSTALL NEW 8" GV PER UDACS 2.17.01 & 2.11.01 AND PLATE #30 & #39
- NEW 8"x6" REDUCER PER UDACS PLATE #30

FIRE FLOW INFORMATION BLOCK

SINGLE FAMILY DWELLING BASED ON:
FIRE FLOW 1500 GPM
20 PSI RESIDUAL PRESSURE.

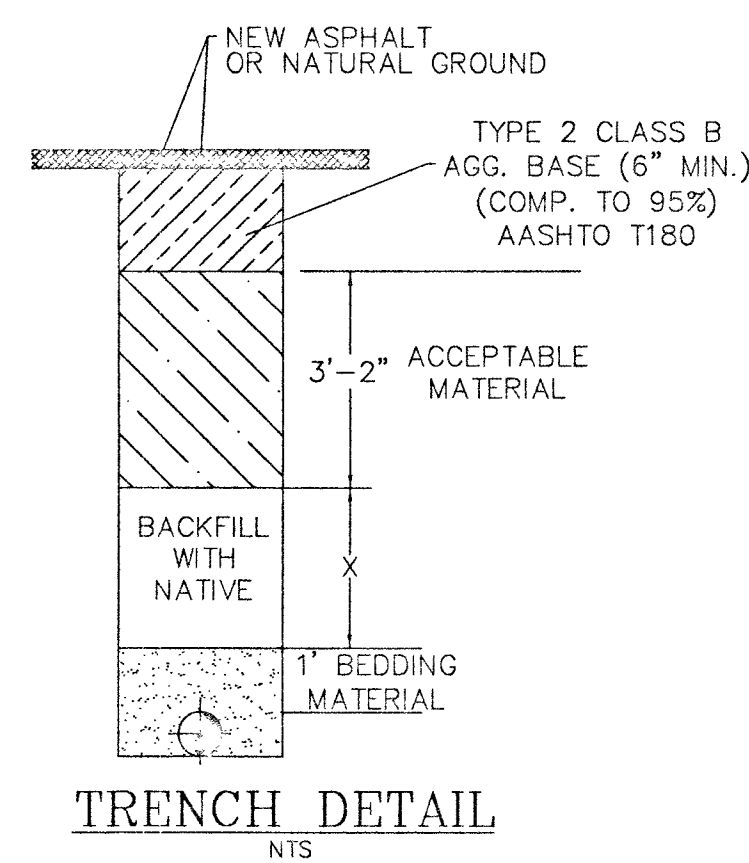
USE/OCCUPANCY: R-3 Single Family Residential
TYPE OF CONSTRUCTION (BOC): V-B
AUTOMATIC FIRE SPRINKLERS: YES/NO X
NFPA 13 13R 130
ESFR: YES/NO
SQUARE FOOTAGE: 1280
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 1280
BUILDING HEIGHT: 16 FEET
NUMBER OF STORIES INCLUDING BASEMENT: 1 FLOOR
HIGH PILE COMBUSTIBLE STORAGE: YES/NO X
OF HYDRANTS INSTALLED: 0 NA

Signature 7/12/17
LAS VEGAS FIRE & RESCUE DATE

APPROVED FOR CONSTRUCTION

Signature
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

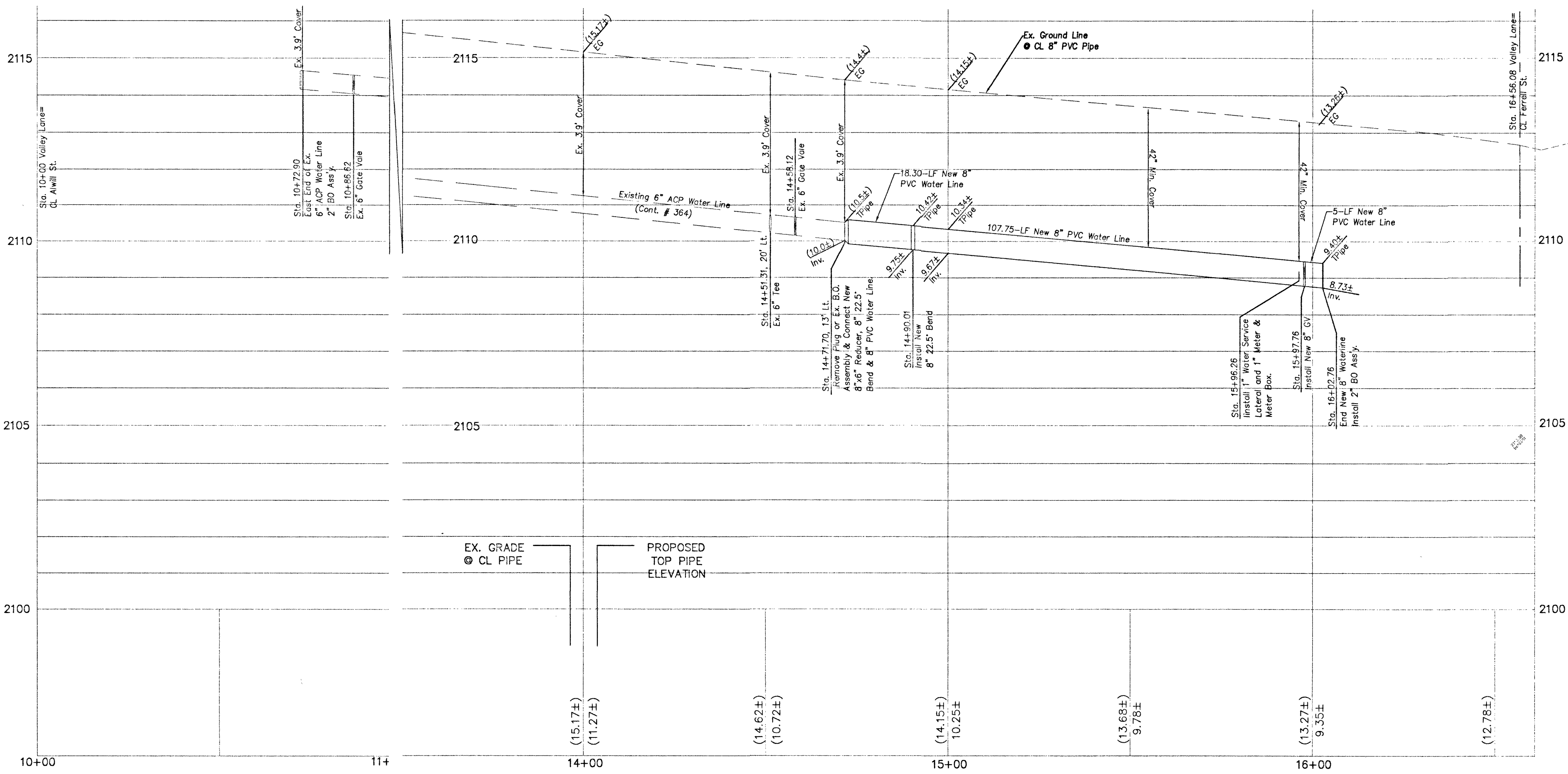
PROJECT NO.: 136761 FIRST APPROVED DATE: 9-25-17
LVVWD APPROVED FIRE FLOW: TOTAL 1500 GPM @ 20 PSI RESIDUAL
MAXIMUM AVAILABLE FIRE SPRINKLER FLOW: N/A GPM



TRENCH DETAIL

PROFILE

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'



THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE) PRESSURE-REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRVS ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

NOTE: WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE (12) INCHES ABOVE THE SEWER LATERAL. (REF. UNIFORM PLUMBING CODE).

ALL SEWER / STORM DRAINS CROSSING 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.

LVVWD SURVEY NOTE

Contractor shall employ a Nevada licensed Professional Licensed Land Surveyor (PLS) to field stake the extent of the proposed/existing LVVWD easement within the project site. These stakes shall be continuously maintained during the construction of the project. The PLS shall also field stake the proposed extent of adjacent project building improvements immediately adjacent to the easement. Contractor shall notify the LVVWD inspector at least forty-eight (48) hours prior to proposed initial building excavation and foundation construction activity. LVVWD will inspect the field staking for compliance with separation requirements. The Contractor shall notify LVVWD prior to utility trenching or any other subgrade efforts within the proposed/existing LVVWD easement.

NOTE

INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 15.

THE DISTRICT CANNOT GUARANTEE A WATER TIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPED CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN. CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPOINTMENTS ARE AVAILABLE.

NOTE

CONTRACTOR TO INCLUDE COST OF UNDERGROUND UTILITY DETECTION COMPANY TO LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO ANY DEMOLITION OR EXCAVATION. ENGINEER TO BE PROVIDED WITH AS-BUILT SKETCH OF EXISTING UTILITIES, AND IS TO BE NOTIFIED IMMEDIATELY OF ANY POTENTIAL CONFLICTS WITH PROPOSED UTILITIES AND/OR FINISHED GRADES.

PROTECT IN-PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

UTILITY NOTE

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM SURFACE EVIDENCE OR FROM IMPROVEMENT PLANS FOR THE APPROVED SUBDIVISION PROVIDED BY THE OWNER. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NON-EXISTENCE, LOCATION AND DEPTHS OF EXISTING UTILITY LINES SHOWN ON THESE DRAWINGS. CONTRACTORS AND OTHERS USING THESE DRAWINGS MUST CONFIRM THE LOCATIONS AND ELEVATIONS OF UNDERGROUND LINES AND/OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATIONS. THE CONTRACTOR IS REQUESTED TO TAKE ALL PRE- CAUTIONARY MEASURES TO PROTECT THE EXISTING UTILITY LINES SHOWN, AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS.

Signature 9/4/19
NORTHWEST GAS CORPORATION DATE

SCOPE OF WORK

EXTEND 6" WATER LINE FROM EXISTING 6" MAIN AT VALLEY LN. AND INSTALL (1) NEW 1" METER AT 3316 VALLEY LN.

SAFETY ALERT
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Call before you dig
Avoid cutting underground utility lines. It's costly.

1-702-227-2929
1-800-227-2600
CLV DWG. # L19-01068

R. LUCERO & ASSOCIATES, INC.

DEVELOPER/OWNER

Z3 ENTERPRISES LLC
8890 SPANISH RIDGE
LAS VEGAS, NV 89148

DESIGNED: RLL
CHECKED: RLL
SCALE: 1"=20'
DATE: 9/05/19

3316 VALLEY LANE
WATER LINE EXTENSION
UTILITY PLAN
CITY OF LAS VEGAS
NEVADA

APPROVED FOR CONSTRUCTION

PROJECT NO.: 136761

DATE: 9/4/19

REV. DATE DESCRIPTION

BY APP'D

SEAL

ENGINEER

SHEET C3

3 OF 3 SHEETS