

BASIS OF BEARING

BEARINGS ARE BASED ON THE NORTHEASTERLY RIGHT OF WAY LINE OF RANCHO DRIVE, WHICH BEARS S 36°26'00" E PER THAT MAP OF ELSTNER ESTATES AS RECORDED IN BOOK 3 OF PLATS AT PAGE 86, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

BENCHMARK

CCBM 12SS6E
RIVET & PLATE IN TOP OF CURB, NW RETURN OF CHEYENNE AVE. AND RANCHO ROAD
NAVD88
2238.831 FEET
683.1201 METERS

CONSTRUCTION NOTE:

ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (I.E. WV, BOX, WMH, ANNODE BOX, FH, TEL BOX, ETC.

NOTES:

ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE.

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY ON ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

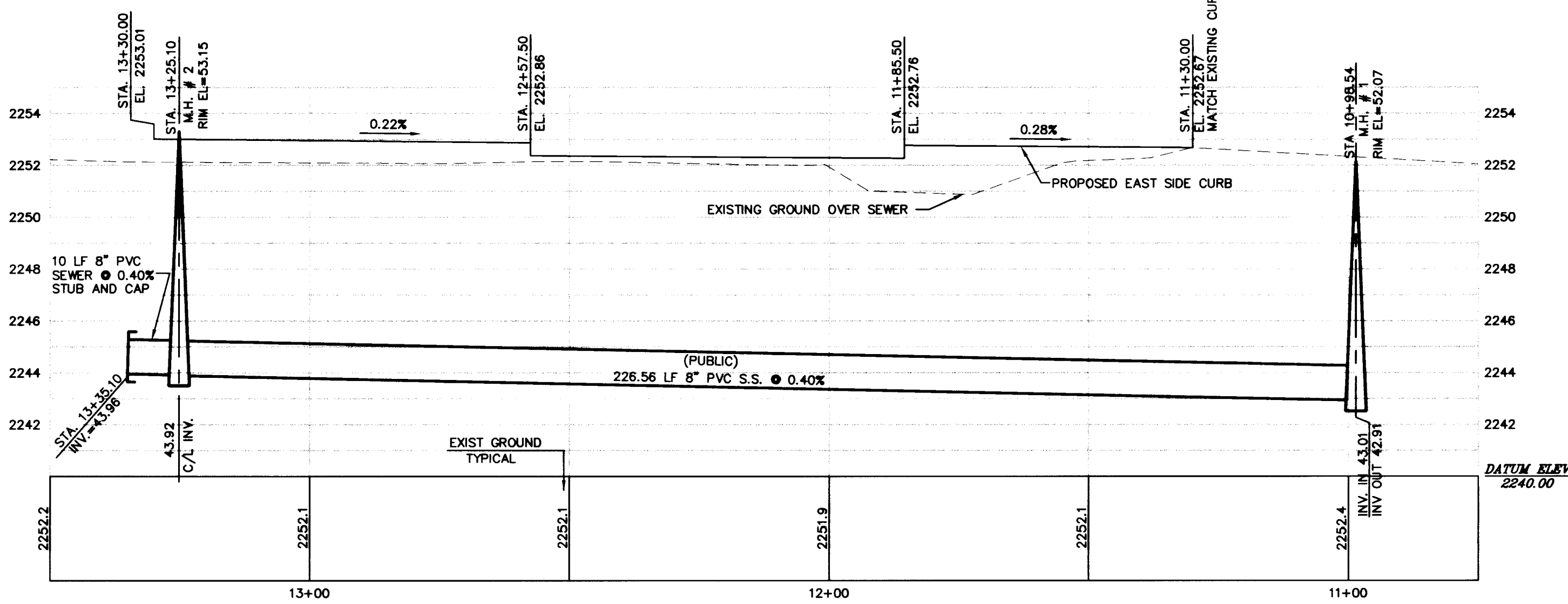
ALL WATER FACILITIES CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS), LATEST EDITION.

WATER METERING REQUIREMENTS FOR NEW DEVELOPMENTS

A). SEPARATE DOMESTIC AND FIRE SERVICES (WHERE APPLICABLE) ARE REQUIRED FOR EACH DWELLING UNIT. PUBLIC, QUASI-PUBLIC, COMMERCIAL, AND/OR INDUSTRIAL OCCUPANCY LOCATED ON A SINGLE PARCEL OR LOT.

B). IN THE EVENT THAT A BUILDING WITHIN A INDUSTRIAL OR COMMERCIAL SUBDIVISION IS DIVIDED, SEPARATE DOMESTIC SERVICES ARE REQUIRED FOR EACH UNIT.

C). EACH PARCEL OR LOT OF A COMMERCIAL OR RESIDENTIAL SUBDIVISION WILL HAVE A MINIMUM OF ONE (1) METERED DOMESTIC SERVICE. WHEN A FIRE SERVICE IS REQUIRED, EACH PARCEL OR LOT WILL HAVE A MINIMUM OF ONE (1) FIRE SERVICE. THE CITY, AT ITS OPTION, MAY ALLOW A COMMUNAL FIRE SERVICE PROVIDED THE PROPERTY OWNERS FIRST ESTABLISHED A PROPERTY MANAGEMENT ASSOCIATION WHICH ACCEPTS RESPONSIBILITY FOR THE PAYMENT OF WATER BILLS AND THE MAINTENANCE AND OPERATIONS OF THE FIRE LINES AND BACKFLOW PREVENTION ASSEMBLY.



SEWER PROFILE

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

LEGEND

- 250 HPS STREET LIGHT
- FIRE HYDRANT
- SEWER MANHOLE
- WATER METER
- WATER VALVE
- SEWER LINE
- WATER LINE

SEWER CONTRIBUTION

AVERAGE DAILY FLOW 900 GPD
PEAK FLOW 3060 GPD

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW IS: 1,500 GPM AT 20 PSI RESIDUAL PRESSURE

BASED ON:
SQAURE FOOTAGE: 5,400 SF
AREA AREA BETWEEN 4-HR AREA 10,800 SF
SEPARATION WALLS: N/A
BUILDING HEIGHT: 24 FT
NUMBER OF STORIES: 1 FLOORS
OCCUPANCY: S-3 GROUP
FULL AUTOMATIC FIRE SYSTEM: YES
CONSTRUCTION TYPE: III N

CONSTRUCTION NOTES AND QUANTITIES

WATER (FIRE)	QUAN. (PRIVATE)
INSTALL 14" X 6" TAPPING TEE W/6" TAPPING VALVE	1 EA
INSTALL 8" DOUBLE CHECK DETECTOR CHECK ASSEM. PER UDACS PLATE 206	1 EA
INSTALL 6" FIRE SERVICE LINE	73 LF
INSTALL FIRE HYDRANT ASSEM. PER UDACS PLATE 7	1 EA
WATER (DOMESTIC)	
1" WATER SERVICE CONNECTION	1 EA
1" METER PER UDACS PLATE 1C	1 EA
1" RPPA PER UDACS 11A	1 EA

SEWER
INSTALL 8" SEWER LINE 236 LF
INSTALL 6" SEWER LATERAL (PRIVATE) 53 LF
INSTALL SEWER MANHOLE PER UDS STD. DWG. NO. SD-1 2 EA

NOTE: THE ON-SITE WATER LINES AND APPURTENANCES ARE PRIVATE FACILITIES NOT TO BE OPERATED OR MAINTAINED BY THE CITY OF NORTH LAS VEGAS

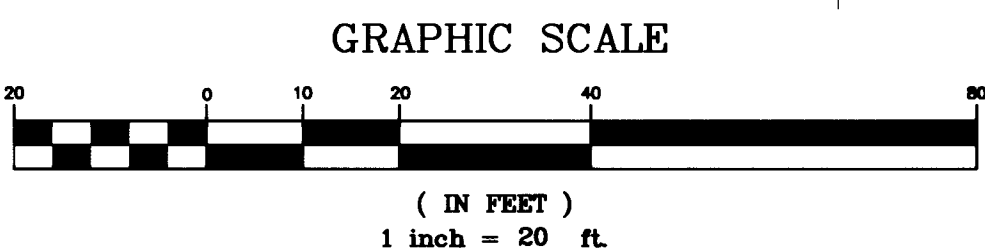
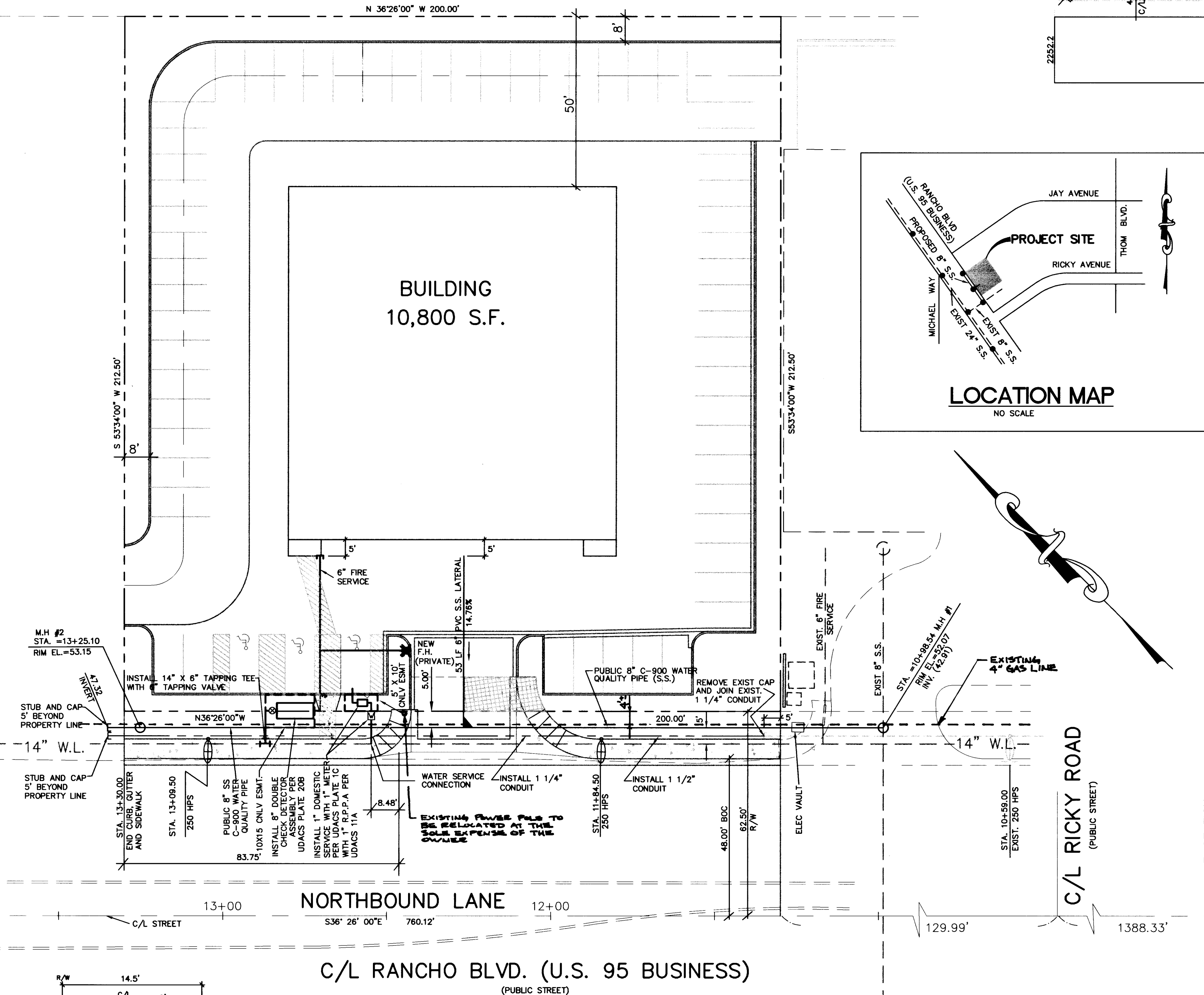
Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600

CITY OF NORTH LAS VEGAS
GENERAL WATER LINE
CONSTRUCTION NOTES

- ALL WORK SHALL CONFORM TO THE CITY OF NORTH LAS VEGAS STANDARDS AND THE MOST CURRENT EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA. IN ALL CASES, THE CITY OF NORTH LAS VEGAS STANDARDS SHALL SUPERSEDE THE UNIFORM STANDARD SPECIFICATIONS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATION BOOKS.
- NOTICE SHALL BE GIVEN TO THE CITY OF NORTH LAS VEGAS PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
- NO MAIN MAY BE SHUT DOWN TO MAKE CONNECTIONS WITHOUT PRIOR APPROVAL OF THE SUPERINTENDENT OF UTILITIES. WHEN A SHUT DOWN WILL LAST LONGER THAN 4 HOURS, WRITTEN APPROVAL MUST BE OBTAINED.
- WATER SERVICE CONNECTIONS WILL BE MADE WITH TAPPED COLLARS OR APPROVED SERVICE CLAMPS. DOUBLE TAP COLLARS SHALL NOT BE PERMITTED.
- ALL VALVE BOXES SHALL HAVE AN 8 INCH THICK CONCRETE COLLAR AS SHOWN ON CLARK COUNTY UNIFORM STANDARD DRAWING NO. 517 OR MAY BE RAISED AFTER PAVING WITH A NEAT CUT ON A 12 INCH RADIUS FROM THE CENTER OF THE VALVE BOX AND CONCRETE POURED FLUSH WITH THE FINISH PAVING GRADE.
- ALL WATER VALVES 12 INCHES AND LARGER SHALL BE BUTTERFLY VALVES AND SHALL CONFORM TO THE MOST CURRENT EDITION OF THE UNIFORM STANDARD SPECIFICATIONS, SUBSECTION 629.02.23B.
- ALL LINES SHALL BE PRESSURE TESTED TO 200 PSI.
- ALL NON-METALLIC WATER MAINS AND SERVICES OVER 2 INCHES IN DIAMETER SHALL BE INSTALLED WITH A LOCATOR RIBBON IN ACCORDANCE WITH NORTH LAS VEGAS STANDARD DRAWINGS.
- ALL SERVICE LINES 2 INCHES IN DIAMETER AND SMALLER SHALL BE COPPER.
- THE INSTALLATION OF WATER METERS SHALL BE REQUIRED ON ALL WATER SERVICES.
- ALL WATER METER BOXES SHALL BE EQUIPPED WITH A CAST IRON TRAFFIC COVER.
- METER BOXES SHALL BE PLACED TRUE TO GRADE ON PLAN. WHERE NO CURB EXISTS, PROPOSED ELEVATION SHALL BE OBTAINED FROM THE CITY ENGINEER.
- CORPORATION STOP, ANGLE METER STOP, AND SERVICE LATERAL SHALL BE THE SAME SIZE.
- METER ASSEMBLY CONSISTING OF ANGLE METER STOP, ANGLE TAIL PIECE AND IDLER SHALL BE CENTERED IN METER BOX.
- THE TOP OF ALL ANGLE METER STOPS SHALL BE A MINIMUM OF 6 INCHES AND A MAXIMUM OF 8 INCHES BELOW METER BOX COVER.
- ALL NEW FIRE HYDRANTS TO BE INSTALLED SHALL CONFORM TO THE LATEST EDITION OF THE UNIFORM STANDARD SPECIFICATIONS, SUBSECTION 629.03.14 EXCEPT THAT A 5 1/4 INCH VALVE OPENING SHALL BE REQUIRED.
- PRIOR TO FINAL ACCEPTANCE, ALL BACKFLOW PREVENTION ASSEMBLIES MUST BE TESTED AND CERTIFIED BY A PROPERLY LICENSED AND CERTIFIED TESTER APPROVED BY THE CITY OF NORTH LAS VEGAS.
- AS-BUILT DRAWINGS, PER CITY OF NORTH LAS VEGAS STANDARDS, MUST BE SUBMITTED TO THE UTILITIES DIVISION PRIOR TO FINAL ACCEPTANCE.

DISCLAIMER:
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR CONSTRUCTION; A COMMITMENT TO SUPPLY WATER SERVICE; OR AN APPROVAL OF ANY VIOLATION OF ONLY WATER SERVICE DISTRICT RULES AND REGULATIONS OR DESIGN CONSTRUCTION STANDARDS.

APPROVALS - C.N.L.V. (WATERLINE)
CITY OF NORTH LAS VEGAS
DEVELOPMENT DIVISION (UTILITIES)
CITY OF NORTH LAS VEGAS
MAINTENANCE OPERATION DIVISION
DATE 12/30/18
DATE 1.8.99



STREET LIGHT DETAIL

STREET LIGHT NOTE:
ALL HAND-HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST BE THW INSULATION. POLES ON RANCHO ARE BREAK A WAY TYPE W/12' ARMS

ABLE BUILDERS INC
8035 ROMINE COURT
LAS VEGAS, NEVADA, 89129
(702) 645-4658

DEVELOPMENT SERVICES OF NEVADA INC.
4270 SO. DECATUR BLVD., SUITE A-10A
LAS VEGAS, NV 89103
PH. (702) 247-8608 • FAX. (702) 247-8753

GAZALA CENTER

MASTER UTILITY PLAN

SHEET

DRAWN BY: LAWRENCE M. NUÑEZ 12/5/97

DESIGNED BY: LAWRENCE M. NUÑEZ 12/5/97

CHECKED BY: IRWIN KAUFMAN 12/5/97

PROJECT NO: 971104

SCALE: 1" = 20' HOR.

11/6/98

SEAL
PROFESSIONAL ENGINEER-STATE OF NEVADA
IRWIN KAUFMAN
No. 04516

SHEET
C4
4 OF 5 SHEETS
DRAWING NO.
107-42913

