



- RTC STD DWG 503



Know what's **below**.
Call before you dig.

AB	ABANDONED
AC	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
AIM	AREA ISOLATION MODULE
BLVD	BOULEVARD
BM	BENCHMARK
BMI	BLACK MOUNTAIN INDUSTRIAL
BO	BLOW OFF
BTU	BRITISH THERMAL UNIT
BWC	BASIC WATER COMPANY
COBC	CITY OF BOULDER CITY
CC	CLARK COUNTY
CCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWING
CCRFCD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT
CIP	CAST IRON PIPE
CL	CENTERLINE
CLV	CITY OF LAS VEGAS
CNLV	CITY OF NORTH LAS VEGAS
COH	CITY OF HENDERSON
DET	DETAIL
DI	DUCTILE IRON
DIA	DIAMETER
DIMP	DISTRIBUTION INTEGRITY MANAGEMENT PROGRAM
DNR	DOES NOT REGISTER
DWG	DRAWING
EG	EXISTING GROUND
EHDD	EFFECTIVE HEATING DEGREE DAY
ELEC	ELECTRICAL
ELEV	ELEVATION
EMRS	ELECTRONIC MAPPING RECORDS SYSTEM
EPR	ELECTRONIC PRESSURE RECORDERS
ESMT	EASEMENT
EX	EXISTING
FERC	FEDERAL ENERGY REGULATORY COMMISSION
FOS	FACILITY OUT OF SERVICE
FH	FIRE HYDRANT
GIR	GAS INFRASTRUCTURE REPLACEMENT
GPR	GAS PRESSURE REGULATOR
HCA	HIGH CONSEQUENCE AREA
HDD	HEATING DEGREE DAY
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH PRESSURE
HERS	HOME ENERGY RATING SYSTEM
HOP	HISTORIC OPERATING PROCEDURE
HVTT	HIGH VOLUME TAPPING TEE
ID	INSIDE DIAMETER
IN	INCH(ES)
IPS	IRON PIPE SIZE
IS	IDENTIFIED SITE
JT	JOINT TRENCH
KRG	KERN RIVER GAS COMPANY
LDCPE	LARGE DIAMETER COILED POLYETHYLENE PIPE
LVVWD	LAS VEGAS VALLEY WATER DISTRICT
MAOP	MAXIMUM ALLOWABLE OPERATING PRESSURE
MCFH	THOUSAND CUBIC FEET PER HOUR
MH	MANHOLE
MOP	MAXIMUM OPERATING PRESSURE
MSA	METER SET ASSEMBLY
MVP	MAPPING VERIFICATION PROCEDURE
NAP	NOT A PART
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
NTSB	NATIONAL TRANSPORTATION SAFETY BOARD
NTS	NOT TO SCALE

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|-------|--|
| OC | ON CENTER |
| OD | OUTSIDE DIAMETER |
| OH | OVERHEAD |
| OHP | OVERHEAD POWER |
| P | POWER |
| PAOP | POTENTIAL ALLOWABLE OPERATING PRESSURE |
| PCC | PORTLAND CEMENT CONCRETE |
| PE | POLYETHYLENE PIPE |
| PH | POT HOLE |
| PHMSA | PIPELINE & HAZARDOUS MATERIALS SAFETY ADMINISTRATION |
| PL | PROPERTY LINE |
| PIC | POTENTIAL IMPACT CIRCLE |
| PLS | PRESSURE LIMITING STATION |
| PP | POWER POLE |
| PQF | PREQUALIFIED FITTING |
| PVC | POLYVINYL CHLORIDE |
| RAM | RISK ASSESSMENT MODEL |
| RC | REINFORCED CONCRETE |
| RCP | REINFORCED CONCRETE PIPE |
| SD | STORM DRAIN |
| SDMH | STORM DRAIN MANHOLE |
| SDR | STANDARD DIMENSION RATIO |
| SF | SQUARE FOOT |
| SHT | SHEET |
| SHP | STEEL HIGH PRESSURE PIPE |
| SMYS | SPECIFIED MAXIMUM YIELD STRENGTH |
| SNWA | SOUTHERN NEVADA WATER AUTHORITY |
| SS | SANITARY SEWER |
| SST | STAINLESS STEEL |
| ST | STREET |
| STA | STATION |
| STD | STRENGTH TEST DRAWING |
| STL | STEEL |
| SWG | SOUTHWEST GAS |
| TEL | TELEPHONE |
| TB | THRUST BLOCK |
| TOP | TOP OF PIPE |
| TP | TEST POINT |
| TRIMP | TRANSMISSION INTEGRITY MANAGEMENT PROGRAM |
| UDACS | UNIFORM DESIGN AND CONSTRUCTION STANDARDS |
| UOC | UNUSUAL OPERATING CONDITIONS |
| UOP | UNIT OF PROPERTY |
| UPRR | UNION PACIFIC RAILROAD |
| USD | UNIFORM STANDARD DRAWING |
| VCP | VITRIFIED CLAY PIPE |
| VERT | VERTICAL |
| VG | VALLEY GUTTER |
| VSP | VINTAGE STEEL PIPE |
| W | WATER |
| WMS | WORK MANAGEMENT SYSTEM |
| WR | WORK REQUEST |
| WT | WALL THICKNESS |
| WV | WATER VALVE |
| YD | YARD(S) |

1. SUGGESTED GAS LOCATIONS ARE TO CLEAR SUBSTRUCTURES LOCATE IN FIELD.
2. ALL PIPELINE CONSTRUCTION SHALL CONFORM TO APPLICABLE JURISDICTION SPECIFICATIONS.
3. DO NOT SCALE THIS DRAWING.
4. SEE AC'S FOR SERVICE REPLACEMENT.
5. CHANGE IN PROPOSED MAIN LOCATION MUST BE AUTHORIZED BY SWG ENGINEER PRIOR TO INSTALLATION.
6. GAS MAINS SHALL BE PURGED PER OPERATIONS MANUAL.
7. ABANDONED SERVICE NO ACTION REQUIRED.
8. REPLACE ALL ACTIVE SERVICES INCLUDING AA, PVC, M7000 PE, M8000 PE, EXCEPT WHERE EXISTING M8100 PE SERVICES ARE VERIFIED, INSPECTED, AND APPROVED FOR TIE-OVER BY SWG INSPECTOR.
9. EXISTING SERVICES, VERIFICATION, AND INSPECTION REQUIRED FROM MAIN TO RISER. TIE INTO NEW MAIN IF APPROVED BY SWG INSPECTOR. REPLACE ALL AA, PVC, M7000 PE, AND M8000 PE SERVICES. M8100 PE SERVICES TO BE VERIFIED, INSPECTED AND APPROVED BY SWG INSPECTOR.
10. EXISTING SERVICE, UNKNOWN TYPE, SIZE, AND LOCATION TO BE VERIFIED.
11. REPLACEMENT SERVICES TO BE SINGLE OR BRANCHED. NO CROSS-LOT REPLACEMENT SERVICES PERMITTED.
12. REPLACE ALL ANODE RISERS WITH ANODELESS RISERS.
13. ALL EXISTING UTILITY LOCATION TO BE VERIFIED PRIOR TO START OF CONSTRUCTION.
14. CONTACT ENGINEERING FOR BYPASS INFORMATION.
15. ALL MAIN TIE-INS REQUIRING TEES ARE TO BE FULL-FLOW TEES UNLESS OTHERWISE STATED.
16. ALL SHORING REQUIREMENTS SHALL CONFORM TO APPLICABLE PORTIONS OF THE OPERATIONS MANUAL.
17. REQUEST FOR SURVEYING AND/OR STAKING WILL BE SUBMITTED TO ENGINEERING 72 HOURS IN ADVANCE, MINIMUM.
18. TRENCHING AND BACKFILL TO CONFORM WITH UNIFORM STANDARD SPECS. SECTION 208, AND RTC STANDARD(S) 503 AND 500.5.

[illegible]

AS-BUILT DRAWING-PRESSURE TEST DATA

	TEST METHOD	TEST METHOD
PIPE DIA _____	☐ AIR	☐ GAUGE
PIPE LENGTH _____	☐ NITROGEN	☐ CHART
PIPE TYPE _____	☐ WATER	☐ GAUGE/
MIN. DURATION _____	☐ SOAP	PRESS REC SN# _____
TEST PRES. (PSIG)/(MM) _____	(MIN) _____	
TIME/(HOUR) _____	(STOP) _____	
DATE/(START) _____	(STOP) _____	
PERFORMED BY: _____		
DWS VERIFIED BY: _____		

**INDIVIDUAL PERFORMING VISUAL INSPECTION
VISUAL INSPECTION CERTIFICATION**

I HAVE VISUALLY INSPECTED ALL HEATED FUSION, SOLVENT CEMENT,
MECHANICAL JOINTS, AND WELDS. I HAVE THEREBY PERFORMED

NAME _____ DATE _____

SEE SHEET 3

AS-BUILTS ACCEPTED BY _____ DATE _____

POSTED BY _____ DATE _____

POSTING QCD BY _____ DATE _____

CONSTRUCTION	
INSPECTOR	_____
FOREMAN	_____
REVIEWED BY	_____
PERMIT INFORMATION	
CITY OF LAS VEGAS	
TAX CODE 02-0200	

ISOLATION AREA	W.R. NO.
ISO-21-DIST-024	3212705
LOCATION	ATLAS #/TITLE #
SEC 29 T19S R60E	x588y554
M.D.M.	

ENGINEER/TECH: JACOB SAKAGUCHI	PHONE: 702-365-2014
ACCOUNT REP: FADI AZAR	PHONE: 702-528-8251
PROJECT CONTACT: MICHAEL CLUTTS	PHONE: 702-927-6609
SHEET NO: 2 OF 4	SCALE: NTS
DATE: 09/29/2016	
DWN. BY: SEI	CHKD. BY:
APPVD. BY:	
TITLE	
JIM MARSH	
CONSTRUCTION NOTES	