

- A -	A/C AIR CONDITIONING AB ANCHOR BOLT ABAN ABANDON ABC AGGREGATE BASE COURSE ABS ABSOLUTE ABUT ABUTMENT ABV ABOVE AC ASPHALTIC CONCRETE ACKV AUTOMATIC CHECK VALVE ACP ASBESTOS CEMENT PIPE ACCESS ACCESS ADA AMERICAN DISABILITY ACT AD AREA DRAIN ADDL ADDITIONAL ADDM ADDENDUM ADI ADJUSTABLE AGGR AGGREGATE AHD AHEAD AL ALUMINIUM ALT ALTERNATE AMS ANGLE METER STOP AMT AMOUNT & AND ANSI AMERICAN NATIONAL STANDARDS INSTITUTE ANT ANTENNA AP ACCESS PANEL APN ASSESSOR PARCEL NUMBER APPROX APPROXIMATE APPVD APPROVED ASPH ASPHALT ASSN ASSOCIATION ASSY ASSEMBLY ASTM AMERICAN SOCIETY OF TESTING MATERIALS AUX AUXILIARY AV AIR VENT/AIR VALVE AVAR AIR VACUUM AIR RELEASE VALVE AVE AVENUE AWG AMERICAN WIRE GAUGE AWWA AMERICAN WATER WORKS ASSOCIATION	- D -	D OR Δ DELTA ANGLE D/W DRIVEWAY DEC DECIMETER DEMO DEMOLITION DEPT DEPARTMENT DET DETAIL DEV DEVELOPMENT DI DROP INLET OR DUCTILE IRON DIA OR Ø DIAMETER DIAG DIAGONAL DIM DIMENSION DIP DUCTILE IRON PIPE DIR DIRECTION DISCH DISCHARGE DIST DISTANCE DISTR DISTRIBUTE DIV DIVISION DL DEAD LOAD DMH DROP MANHOLE DN DOWN DR DRIVE DRW DRY WELL DUPL DUPLICATE DWG DRAWING DWR STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES	- H - (CONT.)	HPI HORIZONTAL POINT OF INTERSECTION HPG HIGH PRESSURE GAS HR HOUR HT HEIGHT HV HOSE VALVE HWY HIGHWAY	- I -	ID INSIDE DIAMETER IN INCH INST INSTALL INSTR INSTRUMENT INSUL INSULATION INT INTERIOR INV INVERT IPS IRON PIPE SIZE IRR IRRIGATION	- J -	JT JOINT	- K -	kg KILOGRAM km KILOMETER	- L -	LAD LADDER LB OR # POUND LDR LEADER LEN OR L LENGTH OF CURVATURE LEF LINEAR FOOT LG LONG LT LANE LW LEFT/LIGHT LWR LOWER	- M -	M METER MATL MATERIAL MAX MAXIMUM MC MORTAR COATED MEAS MEASUREMENT MECH MECHANICAL MFR MANUFACTURER MG MILLION GALLONS MGD MILLION GALLONS PER DAY MH MANHOLE MIN MINIMUM MISC MISCELLANEOUS MJ MECHANICAL JOINT MKR MARKER ML MORTAR LINED MLC MORTAR LINED & COATED MON MONUMENT MOV MOTOR OPERATED VALVE MPT MALE PIPE THREAD MSD MAIN SERVICE DISTRIBUTION MSDS MATERIAL SAFETY DATA SHEET MTD MOUNTED	- N -	N NORTH N/A NOT APPLICABLE NaOCL SODIUM HYPOCHLORITE NAVD NORTH AMERICAN VERTICAL DATUM FOUN NOT-A-PART NAP NATIONAL BUREAU OF STANDARDS NBS NATIONAL COURSE NC NORTHEAST NF NORTH FACE NFPA NATIONAL FIRE PROTECTION ASSOCIATION NG NATURAL GROUND NIC NOT IN CONTRACT NIP NOT IN PROJECT NO. # NUMBER NOM NOMINAL NPS NOMINAL PIPE SIZE NPT NATIONAL TAPER PIPE THREAD NTS NOT TO SCALE NW NORTHWEST	- O -	O/O OUT TO OUT OC ON CENTER OD OUTSIDE DIAMETER OF OUTSIDE FACE OFF OFFICE OFV OVER FACE OH OVER HEAD OHP OVER HEAD POWER OHTEL OVER HEAD TELEPHONE OPER OPERATOR OPNG OPENING OPP OPPOSITE ORF ORIFACE ORIG ORIGINAL OS&Y OUTSIDE SCREW & YOKE OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION OVL OVERFLOW oz OUNCE	- P -	P POLE/PRESSURE/PIPE/POWER P/L OR P PROPERTY LINE PAT PATENT PAVMT PAVEMENT PB PULL BOX PC PRESSURE CLASS PCCP PRESTRESSED CONCRETE CYLINDER PIPE PDL PUMP DISCHARGE LINE PE PLAIN END/POLYETHYLENE PIPE PED PEDESTAL PERM PERMANENT PERP PERPENDICULAR PG PRESSURE GAUGE PH PHASE PI POINT OF INTERSECTION PHYD POST HYDRANT PKG PACKAGE PKWY PARKWAY PL PLACE/PLATE/PARCEL LINE PLS PROFESSIONAL LAND SURVEYOR PLT PLATE (DRAWING) PO PUSH-ON POLY POLYETHYLENE PP POWER POLE PPM PARTS PER MILLION PR PAIR P/R PRECAST REINFORCED PIPE/ PRC POINT OF REVERSE CURVE PRELIM PRELIMINARY PRIM PRIMARY PROP PROPOSED RV PRESSURE REGULATING VALVE PS PRESSURE SWITCH/PUMP STATION PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PT POINT/POINT OF TANGENCY PV PLUG VALVE PVC POLYVINYL CHLORIDE PIPE	- Q -	QCV QUICK COUPLER VALVE QDC QUICK DISCONNECT COUPLING QS QUAD SHEET QTR QUARTER QTY QUANTITY	- R -	R RADIUS (R) RADIAL R/W RIGHT-OF-WAY RCB REINFORCED CONCRETE BOX RCP REINFORCED CONCRETE PIPE RD ROAD REC RECESSED RECT RECTANGULAR RED REDUCER REF REFERENCE (DIMENSION) REG REGULATING (REGULATOR) REINF REINFORCED (REBAR) REQD REQUIRED RES RESIDENTIAL OR RESERVOIR RET RETURN REV REVISION OR REVERSE RF RAISED FACE RHWC RIVERSIDE HIGHLAND WATER COMPANY RM ROOM RME RESIDENTIAL MAIN EXTENSION RPM REVOLUTIONS PER MINUTE RPS REVOLUTIONS PER SECOND RPPA REDUCED PRESSURE PRINCIPLE ASSEMBLY RR RAILROAD RSGV RESILIENT SEALED GATE VALVE RT RIGHT/RING TITE RV RELIEF VALVE	- S -	S SOUTH/SLOPE SA SAMPLE LINE SBCFCD SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT SBMWD SAN BERNARDINO MUNICIPAL WATER DEPARTMENT SBVMWD SAN BERNARDINO VALLEY MUNICIPAL WATER DEPARTMENT S/C SAW CUT SCCP STEEL CYLINDER CONCRETE PIPE SCHEDULE SCHEDULE SD STORM DRAIN SDWK SIDEWALK SDR STANDARD DIMENSION RATIO SE SOUTHEAST SEC SECTION/SECOND(ARY) SEG SEGMENT SHLDR SHOULDER SHT SHEET SID SPECIAL IMPROVEMENT DISTRICT SIG SIGNAL SIM SIMILAR SL SLOPE SLV SLEEVE SO STUBOUT SPC STATE PLANE COORDINATES SPEC(S) SPECIFICATION(S) SQ SQUARE SQ FT SQUARE FOOT (FEET) SQ YD SQUARE YARD SR SAMPLE RETURN SRM SINGLE RESIDENTIAL MAIN SS SANITARY SEWER SSL SANITARY SEWER LATERAL ST STREET STA STATION STD STANDARD STIRRUP STIRRUP	- T -	T THICKNESS OF WELD T&B TELEPHONE/TANGENT T&G TONGUE & GROOVE TAN TANGENT TBE THREAD BOTH ENDS TBM TEMPORARY BENCH MARK TC TOP OF CURB TD TRENCH DRAIN TDH TOTAL DYNAMIC HEAD TEMP TEMPORARY THK THICK(NESS) THR BLK THRUST BLOCK THRD THREADED TK TANK TMH TOP OF MANHOLE TOE THREAD ONE END TOF TOP OF FOOTING TOG TOGETHER TOGR TOP OF GRATE TOP TOP OF PIPE TOR TOP OF RIM TOS TOP OF SLAB TOSTL TOP OF STEEL TOSW TOP OF SIDEWALK TOT TOP OF WALL TOW TOP OF TELEPHONE POLE/TOP OF PIPE TR TRAIL OF TRACK/TOP OF RIM TRANS TRANSITION/TRANSMISSION TYP TYPICAL	- U -	UDS UNIFORM DESIGN STANDARDS FOR SAN BERNARDINO MUNICIPAL WATER DEPARTMENT UE UNDERGROUND ELECTRIC UFC UNIFORM FIRE CODE UG UNDERGROUND UGC UNDERGROUND CONDUIT UGP UNDERGROUND POWER UGT UNDERGROUND TELEPHONE UL UNDERWRITERS LABORATORIES UNC AMERICAN STANDARD UNIFIED COARSE THREAD UNF AMERICAN STANDARD UNIFIED FINE THREAD UNIV UNIVERSAL UNO UNLESS NOTED OTHERWISE UPC UNIFORM PLUMBING CODE UPRR UNION PACIFIC RAILROAD USGS UNITED STATES GEODETTIC SURVEY UTIL UTILITIES	- V -	V VOLT OR VALVE VAC VACUUM VAR VARIES VB VALVE BOX VCP VITRIFIED CLAY PIPE VEL VELOCITY VENT VENTILATOR VERT VERTICAL VFD VARIABLE FREQUENCY DRIVE VG VALLEY GUTTER VHF VERY HIGH FREQUENCY VIB VIBRATION VIN VINYL VISC VISCOSITY VOL VOLUME VPI VERTICAL POINT OF INTERSECTION VS VALVE SHEET VT VENT	- W -	W/ WITH W WEST/WATER W/O WITHOUT WD WIDTH WDH WASTE DRAIN WF WIDE FLANGE WH WALL HYDRANT WI WROUGHT IRON WL WASTE LINE WLD WELDED WM WATER METER WP WORK POINT/WEATHER PROOF WS WATER SURFACE WSP WELDED STEEL PIPE WSTP WATER STOP WT WEIGHT WTR WATER WV WATER VALVE WWF WELDED WIRE FABRIC WWW WELDED WIRE MESH	- X -	XARM CROSS ARM XFMR TRANSFORMER XFR TRANSFER XSEC CROSS SECTION	- Y -	YD YARD YH YARD HYDRANT YLD YIELD
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SURVEY INFORMATION

SURVEYOR
SURVEYING FIRM NAME
SURVEYING FIRM ADDRESS

BENCHMARK
CITY OF SAN BERNARDINO BM GI-29, 2" BRASS
DISC SET IN BACK OF SW 9.0 FT. NORTH OF
NORTH EAST COR OF RIALTO AVE. & 'K' ST.
ELEV. = XXXX.XX FT. NGVD29 OR NAVD88

BASIS OF BEARING
CENTERLINE OF "J" STREET BEING N00°24'04"E.

DATE OF SURVEY
MAR 26, 2018

NOTE:
THIS IS A STANDARD ABBREVIATION SHEET.
SOME ABBREVIATIONS MAY APPEAR ON THIS SHEET
BUT ARE NOT USED IN THE PLANS. ALL
ABBREVIATIONS USED ON THE PLANS MUST APPEAR
ON THIS SHEET.

FOR EXAMPLE ONLY

- THE CONTENTS OF THIS SET OF DRAWINGS WAS CREATED TO PROVIDE A GRAPHIC REPRESENTATION OF SBMWD AUTOCAD STANDARD REQUIREMENTS AND EXPECTATIONS.
- ALL TYPES OF INFORMATION ON THIS SET OF DRAWINGS IS REQUIRED TO BE PROVIDED AS SHOWN FOR THE PROJECT SUBMITTAL TO BE ACCEPTED AND APPROVED (TYP).

UNDERGROUND SERVICE ALERT



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INSERT ENGINEER'S
STAMP HERE

INSERT CONSULTANT LOGO, NAME,
ADDRESS AND PHONE NO. HERE


APPROVED BY: _____ DATE: _____
REGISTERED CIVIL ENGINEER No. XXXXX

MARK	REVISIONS	APPROVED	DATE	APPROVED	DATE

DESIGNED BY: XX DRAWN BY: XX CHECKED BY: XX DESIGN ENGINEER: SBMWD ENGINEER

BENCHMARK:

ELEV. = XXXX.XX FT.



PROJECT MANAGER: ROBERT LINDBERG
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CITY OF SAN BERNARDINO
MUNICIPAL WATER DEPARTMENT

PROJECT TITLE
ABBREVIATIONS AND SURVEY
INFORMATION

DRAWING SCALES:
HORIZ: N/A VERT: N/A

C.O. NO.:
XXXXX

G4

SHEET **4** OF **XX**

PROJECT TITLE - XXXX SUBMITTAL