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## NV ENERGY SHEETS

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### ABBREVIATIONS




AC = ASPHALTIC CONCRETE  
 ACI = AMERICAN CONCRETE INSTITUTE  
 ACP = ASBESTOS CEMENT PIPE  
 A/E = ARCHITECT / ENGINEER  
 ABAN = ABANDON  
 ANSI = AMERICAN NATIONAL STANDARDS INSTITUTE  
 APN = ASSESSOR'S PARCEL NUMBER  
 APRX. = APPROXIMATELY  
 ASSY = ASSEMBLY  
 AVAR = AIR VACUUM AIR RELIEF (VALVE)  
 AGGR = AGGREGATE  
 AGG. = AGGREGATE  
 APPROX = APPROXIMATE  
 APPD = APPROVED  
 ASTM = AMERICAN SOCIETY FOR TESTING AND STANDARDS  
 ASSHTO = AMERICAN ASSOC. OF STATE HIGHWAY & TRANS. OFFICIALS  
 AWWA = AMERICAN WATER WORKS ASSOCIATION  
 BC = BACK OF CURB  
 BCR = BEGIN CURB RETURN  
 BF = BOTH FACES, BOTTOM FACE  
 BFC = BACK FACE OF CURB  
 BFV = BUTTERFLY VALVE  
 BM = BENCHMARK  
 BR = BRIDGE  
 BRW = BOTTOM ROCKERY WALL  
 BW = BACK OF WALK  
 BVC = BEGIN VERTICAL CURVE  
 BW = BACK WALL  
 CATV = CABLE TELEVISION  
 C-C = CENTER TO CENTER  
 C&G = CURB AND GUTTER  
 C = CHANNEL  
 CB = CATCH BASIN  
 CFS = CUBIC FEET PER SECOND  
 CF or CU.FT. = CUBIC FEET  
 C.I. = CAST IRON  
 CL/Q = CENTERLINE  
 CLSM = CONTROLLED LOW STRENGTH MATERIAL  
 CLR. or Cl. = CLEARANCE  
 CML&C = CONCRETE MORTAR LINED AND COATED  
 CMP = CORRUGATED METAL PIPE  
 CMU = CONCRETE MASONRY UNIT  
 CONC. = CONCRETE  
 CONST.JT. = CONSTRUCTION JOINT  
 CO = CLEANOUT  
 COL = COLUMN  
 COMP = COMPACT  
 CONSTR = CONSTRUCTION  
 COR = CITY OF RENO  
 CORP. = CORPORATION  
 CPLG. = COUPLING  
 CTB = CEMENT TREATED BASE  
 CTR = CENTER  
 CU.YD. = CUBIC YARD  
 CTRS. = CENTERS  
 D = DEPTH  
 DI = DROP INLET  
 D.I. = DUCTILE IRON  
 DIP = DUCTILE IRON PIPE  
 DIST = DISTRICT  
 DEMO = DEMOLISH OR DEMOLITION  
 DR = DRIVE OR DRAIN  
 Ø or DIA. = DIAMETER  
 DOC = DOCUMENT  
 DOM. = DOMESTIC  
 EA. = EACH  
 E.C. = END OF CURVE  
 EFF = EFFLUENT  
 EG = EXISTING GRADE/GROUND  
 E.F. = EACH OF FACE  
 EGL = ENERGY GRADE LINE  
 ELEC. = ELECTRICAL  
 ELEV./ EL = ELEVATION  
 ELL = ELBOW  
 ENGR. = ENGINEER  
 EP = EDGE OF PAVEMENT  
 ERW = EFFLUENT REUSE WATER  
 EXIST./ EX = EXISTING  
 (E) = EXISTING  
 EQ = EQUAL  
 ETC = ET CETERA  
 EVC = END VERTICAL CURVE  
 EW = EACH WAY  
 EWEF = EACH WAY EACH FACE  
 F.F./ FF = FINISH FLOOR

FCA = FLANGE COUPLING ADAPTER  
 FG = FINISH GRADE  
 F.L./ FL = FLOW LINE  
 FDTN = FOUNDATION  
 FH = FIRE HYDRANT  
 FLG = FLANGE  
 FO = FINISHED OPENING  
 FOC = FACE OF CURB  
 FTG = FOOTING  
 FO = FIBER OPTIC CABLE  
 FS = FINISH SURFACE  
 FT. = FEET  
 FTG = FOOTING  
 F.V. = FLUSH VALVE  
 FUT = FUTURE  
 G = GAS  
 GA = GAUGE  
 GAL. = GALLON  
 GALV = GALVANIZED  
 GB = GRADE BREAK  
 GIS = GEOGRAPHIC INFORMATION SYSTEM  
 G.V. = GATE VALVE  
 GRTG = GRATING  
 HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE  
 HGL = HYDRAULIC GRADE LINE  
 HP = HIGH POINT  
 HPG = HIGH PRESSURE GAS  
 HW = HIGH WATER  
 INC. = INCORPORATED  
 I.D. = INSIDE DIAMETER  
 INV = INVERT  
 IE = INVERT ELEVATION  
 IRR. = IRRIGATION  
 KO = KNOCKOUT  
 K = KIPS  
 L = LONG/ LENGTH  
 L / LT = LEFT OF  
 L.F./ LF = LINEAR FEET  
 LP = LOW POINT  
 LBS/LF = POUNDS PER LINEAR FEET  
 LLC = LIMITED LIABILITY COMPANY  
 MAX./ (MAX) = MAXIMUM  
 MC = MANHOLE COVER  
 MIN. = MINIMUM  
 MISC = MISCELLANEOUS  
 M.J. = MECHANICAL JOINT  
 ML = MAINLINE  
 (N) = NEW  
 N = NORTH OR NEUTRAL  
 NA = NOT APPLICABLE  
 NC = NORMALLY CLOSED  
 NDOT = NEVADA DEPARTMENT OF TRANSPORTATION  
 N.F. = NEAR FACE  
 NG = NATURAL GRADE  
 NO = NORMALLY OPEN  
 NTD = NORTH TRUCKEE DRAIN  
 NTS/ N.T.S. = NOT TO SCALE  
 O.C. = ON CENTER  
 O.E. = OR EQUAL  
 OHP = OVERHEAD POWER  
 O.D./ OD = OUTSIDE DIAMETER  
 OF/CI = OWNER FURNISHED CONTRACTOR INSTALLED  
 OGL = ORIGINAL GRADE LINE  
 OVFL = OVERFLOW  
 OSHA = OCCUPATIONAL SAFETY & HEALTH ADMIN.  
 PAVE = PAVEMENT  
 PBS = PLANTMIX BITUMINOUS SURFACE  
 (P) = PROPOSED  
 P.C./ PC = POINT OF CURVE  
 PCC = POINT OF COMPOUND CURVE  
 P.C.C. = PORTLAND CEMENT CONC.  
 PE = POLYETHYLENE  
 PEN = PENETRATE  
 PERP = PERPENDICULAR  
 P/L = PROPERTY LINE  
 PL = PLATE  
 PO = PUSH-ON  
 ± = PLUS or MINUS  
 PPCBR = PORTABLE PRECAST BARRIER RAIL  
 PRELIM = PRELIMINARY  
 PRC = POINT REVERSE CURVE  
 PROP = PROPOSED  
 PRV = PRESSURE REDUCING VALVE  
 PSF = POUNDS PER SQUARE FOOT

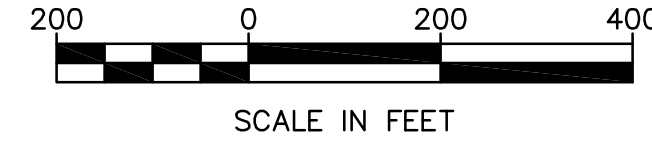
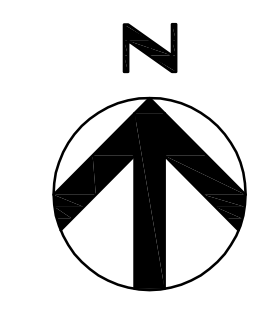
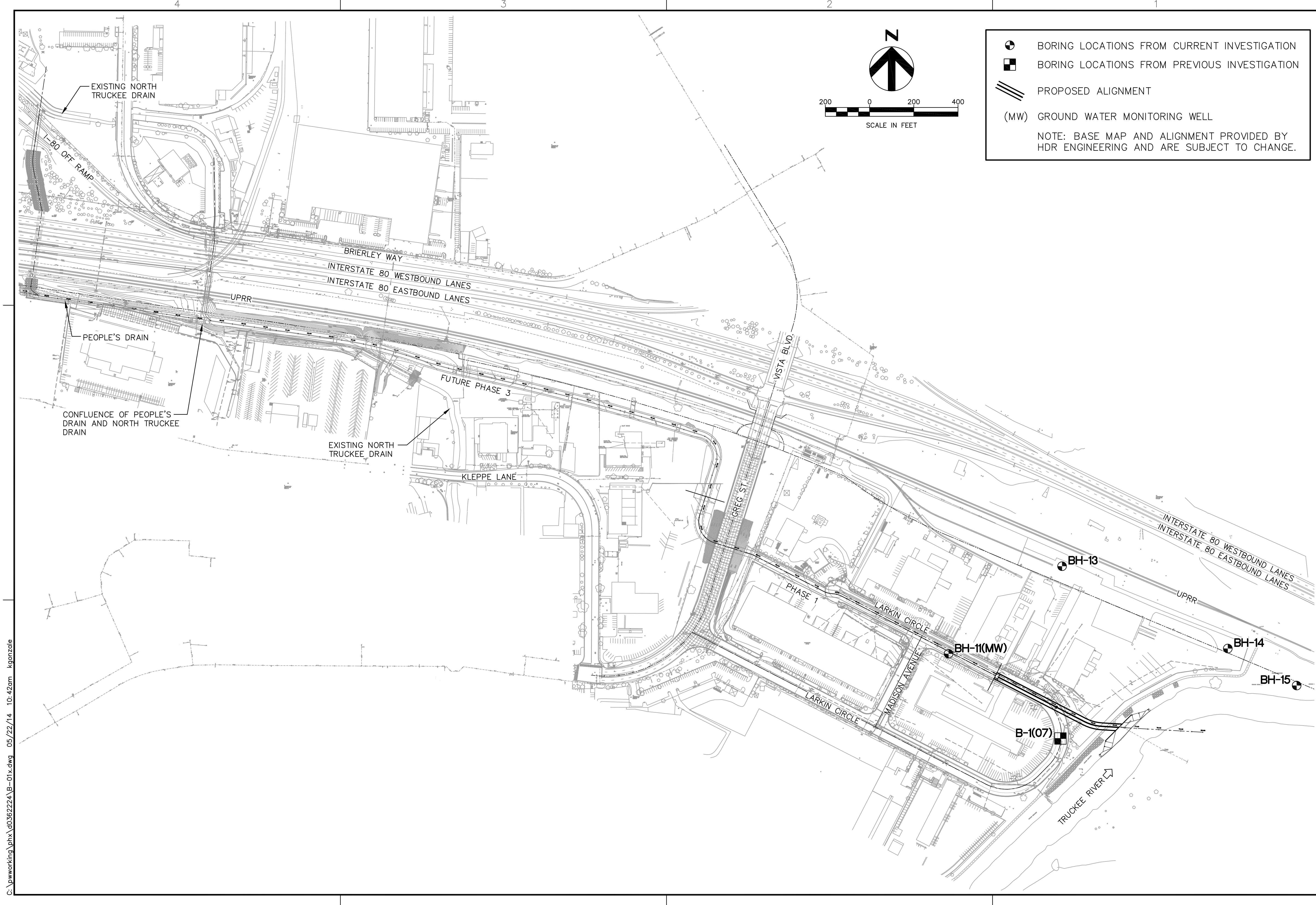
PSI = POUNDS PER SQUARE INCH  
 PVG = PAVING  
 PT = POINT OF TANGENT  
 PVC = POLYVINYL CHLORIDE PIPE  
 PVI = POINT OF VERTICAL INTERSECTION  
 Q<sub>ult</sub>100 = 100 YEAR ULTIMATE CONDITION DESIGN FLOW  
 QTY = QUANTITY  
 R / (R) = RADIUS OR RADIAL  
 R / RT = RIGHT OF  
 R & D = REMOVE AND DISPOSE  
 RCB = REINFORCED CONCRETE BOX  
 RCP = REINFORCED CONCRETE PIPE  
 RED = REDUCER  
 REF = REFERENCE  
 REINF = REINFORCEMENT  
 RES = RESTRAINED  
 RGRCP = RUBBER GASKET REINFORCED CONCRETE PIPE  
 RTC = REGIONAL TRANSPORTATION COMMISSION  
 RR = RAILROAD  
 R/W / ROW = RIGHT-OF-WAY  
 REQ'D = REQUIRED 23  
 ROS = RECORD OF SURVEY  
 R-O-W = RIGHT OF WAY  
 SAN = SQUARE FOOT  
 SD = STORM DRAIN  
 SDMH = STORM DRAIN MANHOLE  
 SDPWC = STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION  
 SDR / DR = STANDARD DIMENSION RATIO  
 SF = SQUARE FEET  
 SHT = SHEET  
 SIM = SIMILAR  
 SLV = SLEEVE  
 SPEC = SPECIFICATION  
 SQ = SQUARE  
 SQ.FT. = SQUARE FEET  
 SS = SANITARY SEWER  
 SSMH = SANITARY SEWER MANHOLE  
 SSPC = SOCIETY FOR PROTECTIVE COATINGS  
 SSPWC = STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION  
 STA = STATION  
 STD.DWG.NO. = STANDARD DRAWING NUMBER  
 STL = STEEL  
 ST = STAINLESS STEEL  
 SST = STAINLESS STEEL  
 S/W / SW = SIDEWALK  
 SPA. = SPACING  
 STD. = STANDARD  
 TB = THRUST BLOCK  
 T&B = TOP AND BOTTOM  
 TC = TOP OF BACK OF CURB  
 TECS = TMWA ENGINEERING & CONSTRUCTION SPECS TRANSPORTATION  
 TELE / TEL = TELEPHONE  
 TEMP = TEMPORARY  
 T / THK = THICK  
 TM = TRACT MAP  
 TMH = TOP OF MANHOLE  
 TMWA = TRUCKEE MEADOWS WATER AUTHORITY  
 THW = THERMO PLASTIC HEAT AND WATER RESISTANT  
 TOE = TOE OF CHANNEL  
 TOP = TOP OF CHANNEL  
 TOC = TOP OF CURB  
 TOF = TOP OF FOOTING  
 TP = TELEPHONE POLE  
 TR = TRANSITE  
 TRANS = TRANSITION  
 TRW = TOP ROCKERY WALL  
 TW = TOP OF WALL  
 (TYP) / (TYP.) = TYPICAL  
 UGE = UNDER GROUND ELECTRICAL  
 UL = UNDERWRITERS LABORATORY  
 UNO = UNLESS NOTED OTHERWISE  
 U.O.N. = UNLESS OTHERWISE NOTED  
 UPRR = UNION PACIFIC RAILROAD  
 U.S. = UNITED STATES  
 USGS = UNITED STATES GEOLOGICAL SURVEY  
 USACE = UNITED STATES ARMY CORP OF ENGINEERS  
 VA = VALVE  
 V.C. = VERTICAL CURVE  
 VCP = VITRIFIED CLAY PIPE  
 V.G. = VALLEY GUTTER

VC = VERTICAL CURVE  
 VERT = VERTICAL  
 W = WATER  
 W/ = WITH  
 WWF = WELDED WIRE FABRIC  
 W.O. = WORK ORDER  
 WM = WATER METER  
 XTC = X-TRU COAT PIPE

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<b>NORTH TRUCKEE DRAIN REALIGNMENT PHASE 2</b> <b>INDEX OF SHEETS AND ABBREVIATIONS</b> CITY OF SPARKS, NEVADA, PUBLIC WORKS DEPARTMENT							
							
SHEET No <b>G-2</b>							
SHT OF							





- BORING LOCATIONS FROM CURRENT INVESTIGATION
  - BORING LOCATIONS FROM PREVIOUS INVESTIGATION
  - PROPOSED ALIGNMENT
  - (MW) GROUND WATER MONITORING WELL
- NOTE: BASE MAP AND ALIGNMENT PROVIDED BY HDR ENGINEERING AND ARE SUBJECT TO CHANGE.

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 HDR Engineering, Inc. 1805 S. Virginia St., Suite 101 Reno, NV 89521 Phone: 775-337-4700	 City of Sparks	<b>NORTH TRUCKEE DRAIN REALIGNMENT PHASE 2</b> <b>BORING LOCATIONS PLAN</b>		CITY OF SPARKS, NEVADA, PUBLIC WORKS DEPARTMENT			
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