


&	AND	CONC.	CONCRETE
@	AT	COND. (TEL.)	CONDUIT (SPECIFY TYPE)
A. A. D. T.	ANNUAL AVERAGE DAILY TRAFFIC	CONN.	CONNECTION
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	CONST.	CONSTRUCTION
AB.	ABRUPT	CONST. PMT.	CONSTRUCTION PERMIT
A. C.	ALUMINUM CAP OR ASPHALT CEMENT	COR.	CORNER
ADD. EXC.	ADDITIONAL EXCAVATION	CORR.	CORRECTED OR CORRUGATION
ADJ.	ADJUSTED	COV.	COVER
A. D. T.	AVERAGE DAILY TRAFFIC	C. P.	CATCH POINT
AGC	ASSOCIATED GENERAL CONTRACTORS OF AMERICA	CR.	CRUSHED OR CREEK
AGG.	AGGREGATE	CRS.	COURSE
AH.	AHEAD	C. S. OR CS	CURVE TO SPIRAL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	C. S. F. OR CSF	COMBINATION SCALE FACTOR
APP.	APPROACH	C. S. P. OR CSP	CORRUGATED STEEL PIPE
APPL.	APPLICATION	C. S. P. A OR CSPA	CORRUGATED STEEL PIPE ARCH
APPROX.	APPROXIMATE	CT.	COURT
ARTBA	AMERICAN ROAD AND TRANSPORTATION BUILDERS ASSOCIATION	C. T. B. OR CTB	CEMENT TREATED BASE
ASPH.	ASPHALT	CTR.	CENTER
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	C. T. S. OR CTS	CRUSHED TOP SURFACING
AVE.	AVENUE	CULV.	CULVERT
AVG.	AVERAGE	C. Y.	CUBIC YARD
AWS	AMERICAN WELDING SOCIETY	D	DEGREE OF CURVATURE, DISTRIBUTION OF TRAFFIC, DIAMETER, OR DEPTH
AZ.	AZIMUTH	DBL.	DOUBLE
BAL.	BALANCE	D _c	DEGREE OF CURVATURE (WITH SPIRALS)
BBL. OR BBLs.	BARREL OR BARRELS	D. D.	DOWN DRAIN
B. C.	BRASS CAP	DE	DIFFERENCE IN ELEVATION
B. C. R.	BEGIN CURB RETURN	DEFL.	DEFLECTION
B. E. OR BE	BRIDGE END	DESC.	DESCRIPTION
BEG.	BEGIN	DEST.	DESTROYED
BIT.	BITUMINOUS OR BITUMEN	DET.	DETOUR OR DETAIL
BK.	BACK OR BANK	DETC.	DETECTOR
BLDG.	BUILDING	D. H.	DRILL HOLE
BLK.	BLOCK	D. H. V.	DESIGN HOURLY VOLUME
B. L. M. OR BLM	U. S. BUREAU OF LAND MANAGEMENT	D. I.	DROP INLET
BLVD.	BOULEVARD	DIA.	DIAMETER
B. M.	BENCH MARK	DIST.	DISTANCE OR DISTRICT
BNDRY.	BOUNDARY	DN.	DOWN
BOT.	BOTTOM	DP.	DEEP
BR.	BRIDGE	DR.	DRAIN OR DRIVE
B. R.	BASE OF RAIL	DT.	DITCH
BRG.	BEARING	DTL.	DETAIL OR DETAILED
B. S. OR BS	BACKSIGHT	DWG.	DRAWING
B. S. T.	BITUMINOUS SURFACE TREATMENT	DY.	DAYLIGHT
B. W. FE.	BARBED WIRE FENCE	E	EAST OR EXTERNAL DISTANCE
C	CUT	EASE. OR ESMT.	EASEMENT
C/A	CONTROL OF ACCESS	E. B. OR EB	EASTBOUND
C. A. C. OR CAC	CRUSHED AGGREGATE COURSE	E. C. R.	END CURB RETURN
CALC.	CALCULATED	E. D. M. OR EDM	ELECTRONIC DISTANCE MEASUREMENT OR MEASURER
C. A. P. OR CAP	CORRUGATED ALUMINUM PIPE	E. G.	EDGE OF GUTTER
CATV	CABLE TV	ELEV. OR EL.	ELEVATION
CB.	CURB	ELONG.	ELONGATED
C. B.	CATCH BASIN	ELY.	EASTERLY
C. B. W.	CONCRETE BLOCK WALL	EMB.	EMBANKMENT
C. C.	CLOSING CORNER	EMUL.	EMULSIFIED
CDTN.	CONDITION	E. O.	EDGE OF OIL
CEM.	CEMENT	E. P.	EDGE OF PAVEMENT
C&G	CURB & GUTTER	EO.	EQUATION
C. G.	CATTLE GUARD	E _s	EXTERNAL DISTANCE (WITH SPIRALS)
CH.	CHANNEL OR CHAIN	E. S.	EDGE OF SHOULDER
CH. CH.	CHANNEL CHANGE	E. T. W. OR ETW	EDGE OF TRAVELED WAY
CHD.	CHORD	EW.	END WALL
CHIS. "x"	CHISELED CROSS	EX.	EXISTING
C. I.	CURB INLET	EXC.	EXCAVATION
CIR.	CIRCLE	EXT.	EXTENSION
CL.	CLASS OR CLEARANCE	EXWY.	EXPRESSWAY
CL-4F, 5F	CHAIN LINK FENCE (W/ HEIGHT - ENGLISH)		
CL-1.2F, 1.5F	CHAIN LINK FENCE (W/ HEIGHT - METRIC)		
C/L OR \mathcal{C}	CENTERLINE		
C. M. P. OR CMP	CORRUGATED METAL PIPE		
C. N.	CONCRETE NAIL		
CO.	COUNTY OR COMPANY		
C. O.	CLEAN OUT		
COMP.	COMPACTION		

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 101	DWG. NO. 101-05
ABBREVIATIONS	
EFFECTIVE: SEPTEMBER 2014	
 MDT MONTANA DEPARTMENT OF TRANSPORTATION	

F	FILL	L	LENGTH OF CURVE, LITER OR ANGLE IRON
F. A.	FEDERAL AID	L.B.	POUND
F. C.	FLOOD CONTROL	L _c	LENGTH OF CIRCULAR CURVE
FND.	FUND	L. C.	LONG CHORD
FDN.	FOUNDATION	L. D.	LOOP DETECTOR
FE.	FENCE	LENG.	LENGTH OR LENGTHEN
FERT.	FERTILIZER	L. F.	LINEAR FOOT
F. E. T. S. OR FETS	FLARED END TERMINAL SECTION	LN.	LANE
F. G. OR FG	FINISHED GRADE OR FRONT OF GUTTER	L _s	LENGTH OF SPIRAL
F. G. S.	FINISHED GRADE STAKE	L. S.	LAND SURVEYOR
F. H.	FIRE HYDRANT	LT.	LEFT
FHWA	FEDERAL HIGHWAY ADMINISTRATION		
FIN.	FINISH	m	METER
FL.	FLUSH	m ²	SQUARE METER
F. L. OR FL	FLOW LINE	m ³	CUBIC METER
F. O. OR FO	FIBER OPTIC CABLE	mm	MILLIMETER
F. P.	FENCE POST	mm ²	SQUARE MILLIMETER
FR. OR FR	FRONTAGE	MATL.	MATERIAL
FR. RD.	FRONTAGE ROAD	MAX.	MAXIMUM
F. S. OR FS	FORESIGHT	M. C. OR MC	MEDIUM CURING
FT.	FOOT OR FEET	MDT	MONTANA DEPARTMENT OF TRANSPORTATION
FTG.	FOOTING	MEAS.	MEASURED
FUT.	FUTURE	MED.	MEDIAN
FWY.	FREEWAY	MH.	MANHOLE
		MIN.	MINIMUM, MINERAL OR MINUTE
g	GRAM	MISC.	MISCELLANEOUS
G	GRADING	MKR.	MARKER
GA.	GAUGE	M. L.	MAINLINE
GAL.	GALLON	MNCPL.	MUNICIPAL
GALV.	GALVANIZED	M. O.	MID ORDINATE
GAR.	GARAGE	MON.	MONUMENT
GEOD.	GEODETIC	M. P. C. OR MPC	MID-POINT OF CURVE
G. L.	GAS LINE	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
G. L. O.	GENERAL LAND OFFICE	M. Y.	MILE YARD
G. P. S. OR GPS	GLOBAL POSITIONING SYSTEM		
GR.	GRADE	N	NORTH
G. R.	GUARDRAIL	N. B. OR NB	NORTHBOUND
GRD	GRID	N. C.	NORMAL CROWN
GRND.	GROUND	N. E.	NORTHEAST
GR. SEP.	GRADE SEPARATION	N. G. OR NG	NATURAL GAS
G. S.	GRAVEL SURFACING	N. G. S. OR NGS	NATIONAL GEODETIC SURVEY
G. S. P. OR GSP	GALVANIZED STEEL PIPE	NL.	NAIL
GTR.	GUTTER	NLY.	NORTHERLY
G. V.	GAS VALVE	NO. OR #	NUMBER
		N. W.	NORTHWEST
ha	HECTARE	N. W. EL.	NORMAL WATER ELEVATION
HDWL.	HEADWALL		
HG.	HEADGATE	O. OR O/S	OFFSET
H. I. OR HI	HEIGHT OF INSTRUMENT	O. C.	ON CENTERS OR OVERHEAD CROSSING
HO.	HOUSE	O. D.	OUTSIDE DIAMETER
HOR.	HORIZONTAL	O. G.	OLD GROUND OR ORIGINAL GROUND
H. P.	HINGE POINT	OH.	OVERHANG OR OVERHEAD
HT.	HEIGHT	OHWM	ORDINARY HIGH WATER MARK
H&T	HUB & TACK	O' PASS	OVERPASS
H. W.	HIGH WATER		
HWY.	HIGHWAY	P	POWER CABLE, PIPE OR PRIMARY
		P. OR PG.	PAGE
I	INTERSTATE	PAVT.	PAVEMENT
I. C.	INCIDENTAL CONSTRUCTION	P. B.	PULL BOX
I. D.	INSIDE DIAMETER	P. C. OR PC	POINT OF CURVE (BEGINNING)
I. E.	INVERT ELEVATION	P. C. C. OR PCC	POINT OF COMPOUND CURVE OR PORTLAND CEMENT CONCRETE
IN.	INCH	P. C. S.	PROJECT CONTROL SYSTEM
INC.	INCORPORATED OR INCREMENT	P. E. OR PE	PRELIMINARY ENGINEERING OR PROFESSIONAL ENGINEER
INCL.	INCLUDED		
INSTR.	INSTRUMENT		
INT.	INTERSECTION		
INTCH.	INTERCHANGE		
INV.	INVERT		
I. P.	IRON PIN		
IRR.	IRRIGATION		
I. R. T. S. OR IRTS	INTERSECTING ROADWAY TERMINAL SECTION		
JCT.	JUNCTION		
J. P.	JOINT USE POLE		
kg	KILOGRAM		
km	KILOMETER		

DETAILED DRAWING

REFERENCE STANDARD SPEC. SECTION 101	DWG. NO. 101-06
--------------------------------------	-----------------

ABBREVIATIONS

EFFECTIVE: SEPTEMBER 2014

PEN.	PENETRATION	SLOT. DR.	SLOTTED DRAIN
PERF.	PERFORATED	SLP. STK.	SLOPE STAKE
P. I. OR PI	POINT OF INTERSECTION	SLY.	SOUTHERLY
PL.	PLACE, PLATE OR PLANT	S. P.	STAND PIPE OR STATE PLANE
P. L.	PROPERTY LINE	SPEC. PROV.	SPECIAL PROVISION
PLAS.	PLASTIC	S. P. H. P.	STEEL PIPE, HIGH PRESSURE
P. M.	PRINCIPAL MERIDIAN OR PUNCH MARK	SPK.	SPIKE
P. M. B.	PLANT MIX BASE	SQ.	SQUARE
P. M. P.	PERFORATED METAL PIPE	S. S. OR SS	EMULSIFIED ASPHALT
P. M. S. OR PMS	PLANT MIX SURFACING	S. S. P. P.	STRUCTURAL STEEL PLATE PIPE
PMT.	PERMIT	OR SSPP	
P. O. C. OR POC	POINT ON CURVE	S. S. P. P. A.	STRUCTURAL STEEL PLATE PIPE ARCH
P. O. L. OR POL	POINT ON LINE	OR SSPPA	
P. O. S. OR POS	POINT ON SPIRAL	S. S. P. P. A. C.	STRUCTURAL STEEL PLATE PIPE ARCH
P. O. S. T. OR POST	POINT ON SEMI-TANGENT	OR SSPPAC	CULVERT
P. O. T. OR POT	POINT ON TANGENT	S. T. OR ST	SPIRAL TO TANGENT
P. O. V. C. OR POV C	POINT ON VERTICAL CURVE	ST.	STREET
P. P. OR PP	POWER POLE	STA.	STATION
PP.	PAGES	STD.	STANDARD
PREST.	PRESTRESSED	STD. SPEC.	STANDARD SPECIFICATIONS
PRIM.	PRIMARY	STK.	STAKED OR STAKE
PROC.	PROCESSING	STL.	STEEL
PROJ.	PROJECT OR PROJECTED	STM.	STORM DRAIN
PROT.	PROTECT, PROTECTOR OR PROTECTION	STPD.	STAMPED
P. T. OR PT	POINT OF TANGENT (END OF CURVE)	STR.	STRUCTURE OR STRAIGHT
PT.	POINT	SUBD.	SUBDIVISION
P. T. W. OR PTW	PRESENT TRAVELED WAY	SURF.	SURFACE OR SURFACING
PVC. OR PVC	POLYVINYL CHLORIDE	SURV.	SURVEY
PVT.	PRIVATE	S. W.	SOUTHWEST OR SIDEWALK
PWR. OR PWR	POWER (LINES)	S. Y.	SQUARE YARD
Q	PEAK DISCHARGE (WATER)	†	METRIC TON
QTY.	QUANTITY	T	TOWNSHIP, TANGENT LENGTH, PERCENT TRUCKS, OR THICKNESS
R	RANGE, RADIUS OR RISE	TAN.	TANGENT
R. A. C. E. T. OR RACET	ROAD APPROACH CULVERT END TREATMENT	T. B. C. OR TBC	TOP BACK OF CURB
R. A. P. OR RAP	RECYCLED ASPHALT PAVEMENT	T. B. M.	TEMPORARY BENCH MARK
R _c	SPIRAL CURVE RADIUS	TBR.	TIMBER
R. C. OR RC	RAPID CURING	TEL. OR TEL	TELEPHONE
R. C. B. OR RCB	REINFORCED CONCRETE BOX	TEL. C.	TELEPHONE CABLE
R. C. P. OR RCP	REINFORCED CONCRETE PIPE	TELG.	TELEGRAPH
R. C. P. A. OR RCPA	REINFORCED CONCRETE PIPE ARCH	TEL. P.	TELEPHONE POLE
RD.	ROAD	TEMP.	TEMPERATURE OR TEMPORARY
RDL.	RADIAL	THK.	THICKNESS
RDWY.	ROADWAY	TK.	TACK
REC.	RECORD	TOL.	TOLERANCE
REF.	REFERENCE	TOPOG.	TOPOGRAPHIC
REINF.	REINFORCEMENT	T. P. OR TP	TURNING POINT
RET. W.	RETAINING WALL	TR.	TRACT
RIV.	RIVER	TRANS.	TRANSMISSION LINE OR TRANSITION
R. M.	REFERENCE MONUMENT	TRAV.	TRAVERSE
R. P. OR RP	REFERENCE POINT, POST OR RADIUS POINT	TRIA.	TRIANGULATION
R. R.	RAILROAD	T. R. M.	TRURF REINFORCEMENT MAT
RT.	RIGHT OR ROUTE	T _s	LENGTH OF TANGENT (CURVE WITH SPIRALS)
RTE.	ROUTE	T. S. OR TS	TANGENT TO SPIRAL
R/W	RIGHT OF WAY	T. T. OR TT	TRANSMISSION TOWER
RY.	RAILWAY	TYP.	TYPICAL
S	RATE OF FULL SUPERELEVATION, SLOPE IN FT. PER FT., SPAN, SOUTH OR SECONDARY	U	UNIT
SA.	SATELLITE (FOR TRAVERSE USE)	U. G.	UNDERGROUND
SAN. SEW.	SANITARY SEWER	UNCL.	UNCLASSIFIED
S. B. OR SB	SOUTHBOUND	U' PASS	UNDERPASS
S. C. OR SC	SPIRAL TO CURVE OR SLOW CURING	U. S. C. & G. S.	U. S. COAST & GEODETIC SURVEY
SCH.	SCHEDULE	U. S. C. E.	U. S. CORPS OF ENGINEERS
SDWK.	SIDEWALK	U. S. F. S.	U. S. FOREST SERVICE
S. E.	SOUTHEAST	U. S. G. S.	U. S. GEOLOGICAL SURVEY
SEC.	SECTION, SECOND OR SECONDARY	U. S. P. L. S.	U. S. PUBLIC LAND SURVEY
SEL.	SELECT		
S. G. , SG OR SUBGR.	SUBGRADE		
SHLD. OR SH.	SHOULDER		
SHT.	SHEET		
SING.	SINGLE		
SIP.	SIPHON		
S. L. D.	SEA LEVEL DATUM		

DETAILED DRAWING

REFERENCE STANDARD SPEC. SECTION 101	DWG. NO. 101-07
--	--------------------

ABBREVIATIONS

EFFECTIVE: SEPTEMBER 2014

V	DESIGN SPEED OR VELOCITY
V. A. B. M.	VERTICAL ANGLE BENCH MARK
V. C. OR VC	VERTICAL CURVE
V. C. CORR.	VERTICAL CURVE OFFSET CORRECTION
V. C. M.	VERTICAL CONTROL MONUMENT
V. C. P.	VITRIFIED CLAY PIPE
VEH.	VEHICULAR
VERT. OR VT.	VERTICAL
VIT.	VITRIFIED
V. P.	VENT PIPE
V. P. C. OR VPC	VERTICAL POINT OF CURVE
V. P. I. OR VPI	VERTICAL POINT OF INTERSECTION
V. P. T. OR VPT	VERTICAL POINT OF TANGENCY
W	WEST OR WIDTH
W/	WITH
W. B. OR WB	WESTBOUND
W. C.	WITNESS CORNER
W. L.	WATER LINE
WLY.	WESTERLY
W/O	WITHOUT
W. P.	WING POINT
W. S.	WATER SERVICE OR WARPED OR VARIABLE SLOPE
WT.	WEIGHT
W. T.	WATER TABLE
W. V.	WATER VALVE
W. W.	WING WALL OR WOVEN WIRE
YD	YARD
YD ²	SQUARE YARD
YD ³	CUBIC YARD
XING.	CROSSING
XSEC.	CROSS SECTION

DETAILED DRAWING

REFERENCE	DWG. NO.
STANDARD SPEC.	101-08
SECTION 101	

ABBREVIATIONS

EFFECTIVE: SEPTEMBER 2014

TITLE SHEET

	PRIMARY ROAD **
	PRIMITIVE ROAD
	PROPOSED ROAD
	GRADED ROAD
	BLADED ROAD
	PRIMITIVE ROAD
	GRAVELED ROAD (CADD *)
	PAVED ROAD
	FEDERAL AID ROUTING (ON EXISTING ROAD)
	FEDERAL AID ROUTING (NON-EXISTING ROAD)
	INTERCHANGE
	STRUCTURE
	FREE FERRY
	TOLL FERRY
	HIGHWAY TUNNEL
	PASS
	RAILROAD
	RESERVATION LINE
	STATE & NATIONAL LINE
	COUNTY LINE
	TOWNSHIP & SECTION LINE
	INTERSTATE
	U. S. HIGHWAY
	STATE HIGHWAY (CADD *)
	CITY OR TOWN
	AIR FIELD
	DAM
	BUILDING OR HOUSE
	BRIDGE

** PRIMARY ROADS ARE 0.08" [2.03 mm] WIDE.
ALL OTHERS ARE 0.05" [1.27 mm] WIDE.

PROFILE

	FLOWLINE AT ϕ CULVERT
	FLOWLINE AT ϕ IRRIGATION SYPHON
	FLOWLINE AT ϕ CONCRETE BOX CULVERT

CROSS SECTIONS

	POWER POLE (NO. OF WIRES AND VOLTAGE)
	TELEPHONE POLE (NO. OF WIRES)
	TELEGRAPH POLE (NO. OF WIRES)
	GUY POLE
	GUY AND ANCHOR
	WETLAND BOUNDARY

PLAN

	STATE & NATIONAL LINE
	COUNTY LINE
	CITY OR TOWN BOUNDARIES
	TOWNSHIP OR SECTION LINE
	SECTION LINE (SHOWING CORNER SOLID IF FOUND - OPEN IF NOT FOUND)
	CLOSING CORNER
	MEANDER CORNER
	OWNERSHIP TIE
	PROPERTY CORNER
	CALCULATED R/W MONUMENT
	FOUND OR SET MONUMENT
	PROPERTY LINE
	LIMITED ACCESS CONTROL
	FULL ACCESS CONTROL
	EXISTING LIMITED ACCESS CONTROL
	EXISTING FULL ACCESS CONTROL
	EXISTING ACCESS CONTROL (LEGACY PROJECTS ONLY)
	EXISTING RIGHT-OF-WAY
	HIGHWAY RIGHT-OF-WAY
	RAILROAD RIGHT-OF-WAY
	BASE OR SURVEY LINE
	ϕ OF STAKED LINE WHEN A PROJECTION IS MADE
	RAILROAD
	TRAVELED WAY
	LEVEE OR DIKE (CADD *)
	RETAINING WALL (CADD *)
	PROPOSED RETAINING WALL (CADD *)
	RIPRAP
	GEOTEXTILE PATTERN
	CONCRETE SIDEWALK
	CONCRETE CURB
	EXISTING FENCE
	PROPOSED FENCE
	SNOW FENCE
	PROPOSED SNOW FENCE
	EXISTING GUARDRAIL
	PROPOSED GUARDRAIL
	EXISTING CONCRETE MEDIAN RAIL
	SMALL DRAINAGE
	LARGE DRAINAGE
	RESERVOIR WITH DAM
	LAKE
	MARSH, SWAMP (CADD *)

PLAN

	ORDINARY HIGH WATER MARK
	WETLAND DELINEATION
	EXISTING WETLAND AREA
	DELINEATED WETLAND AREAS
	IMPACTED WETLANDS
	BLUFFS OR CLIFFS
	WATER'S EDGE
	DEPRESSION
	DEPRESSION OBSCURE
	DITCH BLOCK
	EXISTING DITCH OR FLOW LINE
	PROPOSED DITCH
	CULVERT WITH HEADWALL (IN PLACE)
	CULVERT WITHOUT HEADWALL (IN PLACE)
	PROPOSED CULVERT
	DROP OR MEDIAN INLET
	WATER VALVE BOX
	MANHOLE (LABEL AS TO TYPE OR SERVICE)
	FIRE HYDRANT
	WATER WELL WELL (CADD *)
	CATCH BASIN
	CONDUIT & WIRING
	POWER CABLE
	EXISTING UNDERGROUND POWER (CADD *)
	EXISTING OVERHEAD POWER (CADD *)
	TELEPHONE OR TELEGRAPH CABLE
	EXISTING UNDERGROUND TELEPHONE (CADD *)
	EXISTING OVERHEAD TELEPHONE (CADD *)
	WATER LINE
	EXISTING WATER LINE (CADD *)
	STORM SEWER
	EXISTING STORM DRAIN (CADD *)
	PROPOSED STORM DRAIN (CADD *)
	SANITARY SEWER
	EXISTING SANITARY SEWER (CADD *)
	PROPOSED SANITARY SEWER (CADD *)
	NATURAL GAS LINE
	EXISTING NATURAL GAS LINE (CADD *)
	GASOLINE OR OIL LINE
	EXISTING GAS PIPE LINE (CADD *)
	EXISTING OIL PIPE LINE (CADD *)
	EXISTING UNDERGROUND FIBER CABLE (CADD *)
	EXISTING UNDERGROUND TV CABLE (CADD *)
	EXISTING UNDERGROUND MISSILE CABLE (CADD *)

PLAN

	SINGLE POST SIGN
	MULTIPLE POST SIGN
	TELEGRAPH POLE
	TELEPHONE POLE
	TELEPHONE PEDESTAL
	POWER POLE
	POWER PEDESTAL
	TROLLEY POLE
	LIGHT POLE
	GUY POLE
	GUY WIRE & ANCHOR
	TRANSMISSION TOWER
	GAS VALVE
	OIL OR GAS WELL
	TANKS
	TREE OR BUSH
	TREE LINE
	HEDGE LINE
	MAILBOX
	EXISTING APPROACH
	PROPOSED APPROACH
	EXISTING CATTLE GUARD
	PROPOSED CATTLE GUARD
	GRAVEL PIT
	SCALES
	MILE POST
	PROJECT MARKER
	STATION MARKER
	CENTERLINE
	DEFLECTION ANGLE
	DEFLECTION ANGLE (CIRCULAR CURVE WITH SPIRALS)
	DEFLECTION ANGLE OF ONE SPIRAL
	NORTH ARROW
	GATE

* SYMBOLOGY USED ON CADD DRAFTED PLANS

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 101	DWG. NO. 101-10
SYMBOLS	
EFFECTIVE: SEPTEMBER 2014	
MDT MONTANA DEPARTMENT OF TRANSPORTATION	

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.