

&	AND	CONC.	CONCRETE
@	AT	COND. (TEL.)	CONDUIT (SPECIFY TYPE)
		CONN.	CONNECTION
		CONST.	CONSTRUCTION
A. A. D. T.	ANNUAL AVERAGE DAILY TRAFFIC	CONST. PMT.	CONSTRUCTION PERMIT
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	COR.	CORNER
AB.	ABRUPT	CORR.	CORRECTED OR CORRUGATION
A. C.	ALUMINUM CAP OR ASPHALT CEMENT	COV.	COVER
ADD. EXC.	ADDITIONAL EXCAVATION	C. P.	CATCH POINT
ADJ.	ADJUSTED	CR.	CRUSHED OR CREEK
A. D. T.	AVERAGE DAILY TRAFFIC	CRS.	COURSE
AGC	ASSOCIATED GENERAL CONTRACTORS OF AMERICA	C. S. OR CS	CURVE TO SPIRAL
AGG.	AGGREGATE	C. S. F. OR CSF	COMBINATION SCALE FACTOR
AH.	AHEAD	C. S. P. OR CSP	CORRUGATED STEEL PIPE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	C. S. P. A OR CSPA	CORRUGATED STEEL PIPE ARCH
APP.	APPROACH	CT.	COURT
APPL.	APPLICATION	C. T. B. OR CTB	CEMENT TREATED BASE
APPROX.	APPROXIMATE	CTR.	CENTER
ARTBA	AMERICAN ROAD AND TRANSPORTATION BUILDERS ASSOCIATION	C. T. S. OR CTS	CRUSHED TOP SURFACING
ASPH.	ASPHALT	CULV.	CULVERT
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	C. Y.	CUBIC YARD
AVE.	AVENUE		
AVG.	AVERAGE	D	DEGREE OF CURVATURE OR DISTRIBUTION OF TRAFFIC
AWS	AMERICAN WELDING SOCIETY	DBL.	DOUBLE
AZ.	AZIMUTH	D <sub>c</sub>	DEGREE OF CURVATURE (WITH SPIRALS)
		D. D.	DOWN DRAIN
BAL.	BALANCE	DE	DIFFERENCE IN ELEVATION
BBL. OR BBLs.	BARREL OR BARRELS	DEFL.	DEFLECTION
B. C.	BRASS CAP	DESC.	DESCRIPTION
B. C. R.	BEGIN CURB RETURN	DEST.	DESTROYED
B. E. OR BE	BRIDGE END	DET.	DETOUR OR DETAIL
BEG.	BEGIN	DETC.	DETECTOR
BIT.	BITUMINOUS OR BITUMEN	D. H.	DRILL HOLE
BK.	BACK OR BANK	D. H. V.	DESIGN HOURLY VOLUME
BLDG.	BUILDING	D. I.	DROP INLET
BLK.	BLOCK	DIA.	DIAMETER
B. L. M. OR BLM	U. S. BUREAU OF LAND MANAGEMENT	DIST.	DISTANCE OR DISTRICT
BLVD.	BOULEVARD	DN.	DOWN
B. M.	BENCH MARK	DP.	DEEP
BNDRY.	BOUNDARY	DR.	DRAIN OR DRIVE
BOT.	BOTTOM	DT.	DITCH
BR.	BRIDGE	DTL.	DETAIL OR DETAILED
B. R.	BASE OF RAIL	DWG.	DRAWING
BRG.	BEARING	DY.	DAYLIGHT
B. S. OR BS	BACKSIGHT		
B. S. T.	BITUMINOUS SURFACE TREATMENT	E	EAST OR EXTERNAL DISTANCE
B. W. FE.	BARBED WIRE FENCE	EASE. OR ESMT.	EASEMENT
		E. B. OR EB	EASTBOUND
C	CUT	E. C. R.	END CURB RETURN
C/A	CONTROL OF ACCESS	E. D. M. OR EDM	ELECTRONIC DISTANCE MEASUREMENT OR MEASURER
C. A. C. OR CAC	CRUSHED AGGREGATE COURSE	E. G.	EDGE OF GUTTER
CALC.	CALCULATED	ELEV. OR EL.	ELEVATION
C. A. P. OR CAP	CORRUGATED ALUMINUM PIPE	ELONG.	ELONGATED
CATV	CABLE TV	ELY.	EASTERLY
CB.	CURB	EMB.	EMBANKMENT
C. B.	CATCH BASIN	EMUL.	EMULSIFIED
C. B. W.	CONCRETE BLOCK WALL	E. O.	EDGE OF OIL
C. C.	CLOSING CORNER	E. P.	EDGE OF PAVEMENT
CDTN.	CONDITION	EQ.	EQUATION
CEM.	CEMENT	E <sub>s</sub>	EXTERNAL DISTANCE (WITH SPIRALS)
C&G	CURB & GUTTER	E. S.	EDGE OF SHOULDER
CH.	CHANNEL OR CHAIN	E. T. W. OR ETW	EDGE OF TRAVELED WAY
CH. CH.	CHANNEL CHANGE	EW.	END WALL
CHD.	CHORD	EX.	EXISTING
CHIS. "x"	CHISELED CROSS	EXC.	EXCAVATION
C. I.	CURB INLET	EXT.	EXTENSION
CIR.	CIRCLE	EXWY.	EXPRESSWAY
CL.	CLASS OR CLEARANCE		
CL-4F, 5F	CHAIN LINK FENCE (W/ HEIGHT - ENGLISH)		
CL-1.2F, 1.5F	CHAIN LINK FENCE (W/ HEIGHT - METRIC)		
C/L OR ☿	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	DWG. NO.
STANDARD SPEC.	101-05
SECTION 101	

## ABBREVIATIONS

EFFECTIVE: FEBRUARY 2005

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

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 101	DWG. NO. 101-06
ABBREVIATIONS	
EFFECTIVE: FEBRUARY 2005	
 MONTANA DEPARTMENT OF TRANSPORTATION	

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	SO.	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 OR PERCENT TRUCKS
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 <sub>c</sub>	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	TOPOG.	TOPOGRAPHIC
REF.	REFERENCE	T. P. OR TP	TURNING POINT
REINF.	REINFORCEMENT	TR.	TRACT
RET. W.	RETAINING WALL	TRANS.	TRANSMISSION LINE OR TRANSITION
RIV.	RIVER	TRAV.	TRAVERSE
R. M.	REFERENCE MONUMENT	TRIA.	TRIANGULATION
R. P. OR RP	REFERENCE POINT, POST OR RADIUS POINT	T <sub>s</sub>	LENGTH OF TANGENT (CURVE WITH SPIRALS)
R. R.	RAILROAD	T. S. OR TS	TANGENT TO SPIRAL
RT.	RIGHT OR ROUTE	T. T. OR TT	TRANSMISSION TOWER
RTE.	ROUTE	TYP.	TYPICAL
R/W	RIGHT OF WAY	U	UNIT
RY.	RAILWAY	U. G.	UNDERGROUND
S	RATE OF FULL SUPERELEVATION, SLOPE IN FT. PER FT., SPAN, SOUTH OR SECONDARY	UNCL.	UNCLASSIFIED
SA.	SATELLITE (FOR TRAVERSE USE)	U' PASS	UNDERPASS
SAN. SEW.	SANITARY SEWER	U. S. C. & G. S.	U. S. COAST & GEODETIC SURVEY
S. B. OR SB	SOUTHBOUND	U. S. C. E.	U. S. CORPS OF ENGINEERS
S. C. OR SC	SPIRAL TO CURVE OR SLOW CURING	U. S. F. S.	U. S. FOREST SERVICE
SCH.	SCHEDULE	U. S. G. S.	U. S. GEOLOGICAL SURVEY
SDWK.	SIDEWALK	U. S. P. L. S.	U. S. PUBLIC LAND SURVEY
S. E.	SOUTHEAST	V	DESIGN SPEED OR VELOCITY
SEC.	SECTION, SECOND OR SECONDARY	V. A. B. M.	VERTICAL ANGLE BENCH MARK
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: FEBRUARY 2005

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
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 <sup>2</sup>	SQUARE YARD
YD <sup>3</sup>	CUBIC YARD
XING.	CROSSING
XSEC.	CROSS SECTION




DETAILED DRAWING	
REFERENCE	DWG. NO.
STANDARD SPEC.	101-08
SECTION 101	
ABBREVIATIONS	
EFFECTIVE: FEBRUARY 2005	
 MONTANA DEPARTMENT OF TRANSPORTATION <i>serving you with pride</i>	

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
	CITY OR TOWN
	AIR FIELD
	DAM
	BUILDING OR HOUSE
	BRIDGE

\*\* PRIMARY ROADS ARE 2.03 mm WIDE. ALL OTHERS ARE 1.27 mm WIDE.

## PROFILE

 FLOWLINE AT  $\xi$  CULVERT  
 FLOWLINE AT  $\xi$  IRRIGATION SYPHON  
 FLOWLINE AT  $\xi$  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

PLAN

	STATE & NATIONAL LINE
	COUNTY LINE
	CITY OR TOWN BOUNDARIES
	TOWNSHIP LINE
	SECTION LINE (SHOWING CORNER SOLID IF FOUND - OPEN IF NOT FOUND)
	CLOSING CORNER
	MEANDER CORNER
	OWNERSHIP TIE
	PROPERTY CORNER
	EXISTING R/W MONUMENT
	NEW R/W MONUMENT
	PROPERTY LINE
	SECTION LINE
	EXISTING ACCESS
	FULL ACCESS CONTROL
	LIMITED CONTROL
	EXISTING RIGHT-OF-WAY
	HIGHWAY RIGHT-OF-WAY
	RAILROAD RIGHT-OF-WAY
	BASE OR SURVEY LINE
	1/4 OF STAKED LINE WHEN A PROJECTION IS MADE
	RAILROAD
	TRAVELED WAY
	LEVEE OR DIKE
	RETAINING WALL
	PROPOSED RETAINING WALL
	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


	BLUFFS OR CLIFFS
	WATER'S EDGE
	DEPRESSION
	DEPRESSION OBSCURE
	DITCH BLOCK
	EXISTING DITCH OR FLOW LINE
	PROPOSED DITCH
	FLOW LINE UP HILL
	CULVERT WITH HEADWALL (IN PLACE)
	CULVERT WITHOUT HEADWALL (IN PLACE)
	PROPOSED CULVERT
	EXISTING DROP OR MEDIAN INLET
	PROPOSED DROP OR MEDIAN INLET
	WATER VALVE BOX
	MANHOLE (LABEL AS TO TYPE OR SERVICE)
	PROPOSED MANHOLE
	FIRE HYDRANT
	WATER WELL
	WELL (CADD *)
	EXISTING CATCH BASIN
	PROPOSED 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

ALL DIMENSIONS ARE MILLIMETERS  
(mm) UNLESS OTHERWISE NOTED.

DETAILED DRAWING	
REFERENCE STANDARD SPEC. SECTION 101	DWG. NO. 101-10
SYMBOLS	
EFFECTIVE: FEBRUARY 2005	
 <i>serving you with pride</i>	<b>MONTANA DEPARTMENT</b> <b>OF TRANSPORTATION</b>