

&	AND
@	AT
A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AB.	ABRUPT
A.C.	ALUMINUM CAP OR ASPHALT CEMENT
ADD. EXC.	ADDITIONAL EXCAVATION
ADJ.	ADJUSTED
A.D.T.	AVERAGE DAILY TRAFFIC
AGC	ASSOCIATED GENERAL CONTRACTORS OF AMERICA
AGG.	AGGREGATE
AH.	AHEAD
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APP.	APPROACH
APPL.	APPLICATION
APPROX.	APPROXIMATE
ARTBA	AMERICAN ROAD AND TRANSPORTATION BUILDERS ASSOCIATION
ASPH.	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AVE.	AVENUE
AVG.	AVERAGE
AWS	AMERICAN WELDING SOCIETY
AZ.	AZIMUTH
BAL.	BALANCE
BBL. OR BBLS.	BARREL OR BARRELS
B.C.	BRASS CAP
B.C.R.	BEGIN CURB RETURN
B.E. OR BE	BRIDGE END
BEG.	BEGIN
BIT.	BITUMINOUS OR BITUMEN
BK.	BACK OR BANK
BLDG.	BUILDING
BLK.	BLOCK
B.L.M. OR BLM	U.S. BUREAU OF LAND MANAGEMENT
BLVD.	BOULEVARD
B.M.	BENCH MARK
BNDRY.	BOUNDARY
BOT.	BOTTOM
BR.	BRIDGE
B.R.	BASE OF RAIL
BRG.	BEARING
B.S. OR BS	BACKSIGHT
B.S.T.	BITUMINOUS SURFACE TREATMENT
B.W.FE.	BARBED WIRE FENCE
C	CUT
C/A	CONTROL OF ACCESS
C.A.C. OR CAC	CRUSHED AGGREGATE COURSE
CALC.	CALCULATED
C.A.P. OR CAP	CORRUGATED ALUMINUM PIPE
CATV	CABLE TV
CB.	CURB
C.B.	CATCH BASIN
C.B.W.	CONCRETE BLOCK WALL
C.C.	CLOSING CORNER
CDTN.	CONDITION
CEM.	CEMENT
C&G	CURB & GUTTER
C.G.	CATTLE GUARD
CH.	CHANNEL OR CHAIN
CH.CH.	CHANNEL CHANGE
CHD.	CHORD
CHIS."x"	CHISELED CROSS
C.I.	CURB INLET
CIR.	CIRCLE
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 $\text{\textcircled{C}}$	CENTERLINE
C.M.P. OR CMP	CORRUGATED METAL PIPE
C.N.	CONCRETE NAIL
CO.	COUNTY OR COMPANY
C.O.	CLEAN OUT
COMP.	COMPACTION

CONC.	CONCRETE
COND.(TEL.)	CONDUIT (SPECIFY TYPE)
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONST. PMT.	CONSTRUCTION PERMIT
COR.	CORNER
CORR.	CORRECTED OR CORRUGATION
COV.	COVER
C.P.	CATCH POINT
CR.	CRUSHED OR CREEK
CRS.	COURSE
C.S. OR CS	CURVE TO SPIRAL
C.S.F. OR CSF	COMBINATION SCALE FACTOR
C.S.P. OR CSP	CORRUGATED STEEL PIPE
C.S.P.A OR CSPA	CORRUGATED STEEL PIPE ARCH
CT.	COURT
C.T.B. OR CTB	CEMENT TREATED BASE
CTR.	CENTER
C.T.S. OR CTS	CRUSHED TOP SURFACING
CULV.	CULVERT
C.Y.	CUBIC YARD
D	DEGREE OF CURVATURE, DISTRIBUTION OF TRAFFIC, DIAMETER, OR DEPTH
DBL.	DOUBLE
D <sub>c</sub>	DEGREE OF CURVATURE (WITH SPIRALS)
D.D.	DOWN DRAIN
DE	DIFFERENCE IN ELEVATION
DEFL.	DEFLECTION
DESC.	DESCRIPTION
DEST.	DESTROYED
DET.	DETOUR OR DETAIL
DETC.	DETECTOR
D.H.	DRILL HOLE
D.H.V.	DESIGN HOURLY VOLUME
D.I.	DROP INLET
DIA.	DIAMETER
DIST.	DISTANCE OR DISTRICT
DN.	DOWN
DP.	DEEP
DR.	DRAIN OR DRIVE
DT.	DITCH
DTL.	DETAIL OR DETAILED
DWG.	DRAWING
DY.	DAYLIGHT
E	EAST OR EXTERNAL DISTANCE
EASE. OR ESMT.	EASEMENT
E.B. OR EB	EASTBOUND
E.C.R.	END CURB RETURN
E.D.M. OR EDM	ELECTRONIC DISTANCE MEASUREMENT OR MEASURER
E.G.	EDGE OF GUTTER
ELEV. OR EL.	ELEVATION
ELONG.	ELONGATED
ELY.	EASTERLY
EMB.	EMBANKMENT
EMUL.	EMULSIFIED
E.O.	EDGE OF OIL
E.P.	EDGE OF PAVEMENT
EQ.	EQUATION
E <sub>s</sub>	EXTERNAL DISTANCE (WITH SPIRALS)
E.S.	EDGE OF SHOULDER
E.T.W. OR ETW	EDGE OF TRAVELED WAY
EW.	END WALL
EX.	EXISTING
EXC.	EXCAVATION
EXT.	EXTENSION
EXWY.	EXPRESSWAY

**DETAILED DRAWING**

REFERENCE STANDARD SPEC. SECTION 101	DWG. NO. 101-05
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ABBREVIATIONS

F FILL  
 F.A. FEDERAL AID  
 F.C. FLOOD CONTROL  
 FND. 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. GAUGE  
 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

H CONCRETE CUTOFF WALL DEPTH  
 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  
 OHWM ORDINARY HIGH WATER MARK  
 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 DWG. NO.  
 STANDARD SPEC. 101-06  
 SECTION 101

ABBREVIATIONS

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 POVVC	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.	ROAD APPROACH CULVERT END TREATMENT	T.B.C. OR TBC	TOP BACK OF CURB
OR RACET		T.B.M.	TEMPORARY BENCH MARK
R.A.P. OR RAP	RECYCLED ASPHALT PAVEMENT	TBR.	TIMBER
R <sub>c</sub>	SPIRAL CURVE RADIUS	TEL. OR TEL	TELEPHONE
R.C. OR RC	RAPID CURING	TEL.C.	TELEPHONE CABLE
R.C.B. OR RCB	REINFORCED CONCRETE BOX	TELG.	TELEGRAPH
R.C.P. OR RCP	REINFORCED CONCRETE PIPE	TEL.P.	TELEPHONE POLE
R.C.P.A. OR RCPA	REINFORCED CONCRETE PIPE ARCH	TEMP.	TEMPERATURE OR TEMPORARY
RD.	ROAD	THK.	THICKNESS
RDL.	RADIAL	TK.	TACK
RDWY.	ROADWAY	TOL.	TOLERANCE
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.R.M.	TRURF REINFORCEMENT MAT
R.R.	RAILROAD	T <sub>s</sub>	LENGTH OF TANGENT (CURVE WITH SPIRALS)
RT.	RIGHT OR ROUTE	T.S. OR TS	TANGENT TO SPIRAL
RTE.	ROUTE	T.T. OR TT	TRANSMISSION TOWER
R/W	RIGHT OF WAY	TYP.	TYPICAL
RY.	RAILWAY		
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 <sup>o</sup> 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
S.C.P. OR SCP	STEEL CASING PIPE	U.S.F.S.	U.S. FOREST SERVICE
SDWK.	SIDEWALK	U.S.G.S.	U.S. GEOLOGICAL SURVEY
S.E.	SOUTHEAST	U.S.P.L.S.	U.S. PUBLIC LAND SURVEY
SEC.	SECTION, SECOND OR SECONDARY		
SEL.	SELECT		
S.G., SG	SUBGRADE		
OR SUBGR.			
SHLD. OR SH.	SHOULDER		
SHT.	SHEET		
SING.	SINGLE		
SIP.	SIPHON		
S.L.D.	SEA LEVEL DATUM		

**DETAILED DRAWING**

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

**ABBREVIATIONS**

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 <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

**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 $\epsilon$	CULVERT
	FLOWLINE AT $\epsilon$	IRRIGATION SYPHON
	FLOWLINE AT $\epsilon$	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 BOUNDRY

**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
	$\epsilon$ 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**

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