

STATE	PROJECT	SHEET NUMBER
MS	TEST 100-1(1)	000

$\Delta$  total central angle  
 $\Delta c$  curve central angle  
 $\emptyset$  diameter  
 $\emptyset s$  spiral central angle  
*abut.* abutment  
*ACP* asphalt concrete pavement  
*ADT* average daily traffic  
*AH* ahead  
*appr.* approach  
*BK* back  
*BM* bench mark  
*BP* balance point  
*br.* bridge  
*brg.* bearing  
*cc or c. to c.* center to center  
*CL* centerline  
*CMP* corrugated metal pipe  
*CO* contracting officer  
*col.* column  
*conc.* concrete  
*conn.* connection  
*constr. jt.* construction joint  
*cont.* continuous  
*CS* curve to spiral  
*ctrs.* centers  
*D* diameter  
*DHV* design hourly volume  
*dia.* diameter  
*diag.* diagonal  
*diaph.* diaphragm  
*dist.* distance  
*drwg(s).* drawing(s)  
*DSY* double solid yellow  
*E* east  
*e* superelevation rate  
*elev.* elevation with number  
*elev.* elevation  
*emb.* embankment  
*EOP* edge of pavement  
*EOS* edge of shoulder  
*EOT* edge of travel way  
*EQ or eq.* equation  
*ER* edge of road  
*ESAL* equivalent single axle load  
*EW* edge of water  
*exc.* excavation  
*exp. jt.* expansion joint  
*fin.* finish  
*flg.* flange  
*ftg.* footing  
*ga.* gage (gauge)  
*galv.* galvanized  
*hdwl.* headwall  
*hex.* hexagon  
*HW* high water  
*ID* inside diameter  
*jt.* joint  
*L* length of curve  
*lam.* lamination  
*lat.* latitude

*LOD* Limits of Disturbance  
*long.* longitudinal  
*LPSM* lump sum  
*Ls* length of spiral  
*lt. or LT* left  
*LW* low water  
*ML* main line  
*MP* mile post  
*max.* maximum  
*min.* minimum  
*mon.* monument  
*N* north  
*NC* normal crown  
*NMSA* nominal maximum size aggregate  
*o. c.* on center  
*ohwm* ordinary high water mark  
*o. to o.* out to out  
*OD* outside diameter  
*OG* original ground  
*PC* point of curve  
*PCC* point of compound curve  
*PCS* point of curve to spiral  
*PI* point of intersection  
*pl.* plate  
*POC* point on curve  
*POS* point on spiral  
*POT* point on tangent  
*PS* point of tangent to spiral  
*PSC* point of spiral to curve  
*PST* point of spiral to tangent  
*PT* point of tangent  
*pvmt.* pavement  
*R* radius  
*R.* range  
*R/W* right-of-way  
*rdwy.* roadway  
*RECP* rolled erosion control product  
*reinf.* reinforcement  
*reqd.* required  
*rt. or RT* right  
*rte.* route  
*S* south  
*SADT* seasonal average daily traffic  
*SC* point of spiral to curve  
*sec.* section  
*shldr.* shoulder  
*spa.* spacing, spaces or spaced  
*sqft* square foot  
*sqyd* square yard  
*SRS* point of spiral to reverse spiral  
*SS* point of spiral to spiral (no curve)  
*ST* point of spiral to tangent  
*Sta.* station  
*std.* standard  
*stgr.* stringer  
*stiff.* stiffener  
*struc.* structural  
*STS* point of spiral to tangent spiral  
*sym.* symmetrical

*T* tangent distance  
*T.* township  
*TBM* temporary bench mark  
*thd.* thread  
*TS* point of tangent to spiral  
*Ts* tangent distance (spiraled curve)  
*typ.* typical  
*V* design speed  
*vph* vehicles per hour  
*VPI* vertical point of intersection  
*W* west

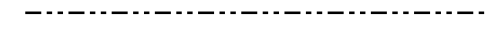
Control Point (Terrestrial and GPS); Jump Hub



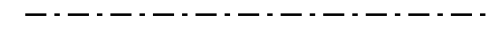
National Boundary



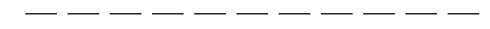
State Boundary



County Boundary



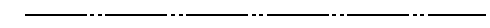
City Boundary



Township or Range Line



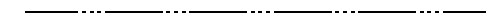
Section Line



Section Corner (Found, Projected)



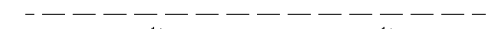
1/4 Section Line



1/4 Section Corner (Found, Projected)



1/16 Section Line



1/16 Section Corner (Found, Projected)

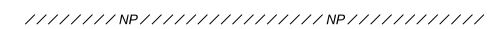


Property Line w/Found Property Corner

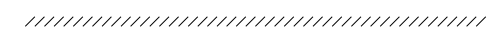


Parcel Number

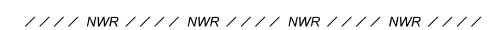
National Park Boundary



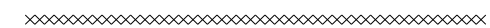
National Forest Boundary



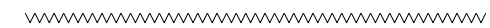
National Wildlife Refuge Boundary



BLM Lands Boundary



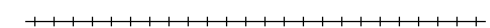
Indian Reservation Boundary



Existing Roadway (Road, Paved, Gravel)



Railroad



Trail



Intermittent Drainage or Small Creek



Large Creek or River



Lake, Pond or Reservoir; Marshland



Spring or Seep



Treeline; Individual Trees, Pine



Material Source; Bore Hole; Test Pit



Spot Elevation; Coordinate Grid Tick



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NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 OFFICE OF FEDERAL LANDS HIGHWAY

TEST NATIONAL PARK

## SYMBOLS AND ABBREVIATIONS

SHEET SUB-TITLE 1  
 SHEET SUB-TITLE 2

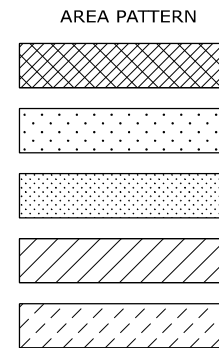
STATE	PROJECT	SHEET NUMBER
MS	TEST 100-1(1)	000

North Arrow



	EXISTING	PROPOSED
Slope Stake Limits	Top of Cut Toe of Fill Transition	
Fence	X - X - X - X	** ** ** **
Gate with Fence	X - X - X - X	** ** ** **
Cattleguard		
Guardrail		
Concrete Barrier		
Retaining Wall		
Signs (single, double post; portable)		
Delineators		
Pipe Culvert (arrow shows flow)		
Pipe Culvert with End Section		
Pipe Culvert with Headwall		
Pipe Culvert with Drop Inlet		
Box Culvert		
Underdrain		
Overhead/Above Ground Utilities		
Underground Utilities		
FM = force main, FO = fiber optic, G = gas, IRR = irrigation, O = oil, P = power, SA = sanitary sewer, SD = storm drain, SS = storm sewer, STEAM = steam, T = telephone, TV = CATV, W = water		
Poles (Power, Telephone, Joint Use, Light, Support w/Anchor)		
Miscellaneous Utility Features	EM = electric meter, T = telephone pedestal, TV = CATV pedestal, UP = transformer or junction box, WF = water fountain	
Building		
Right-of-Way Line with Monument		
Permanent Easement		
Construction Easement		
Riprap		

Pavement Removal / Roadway Obliteration



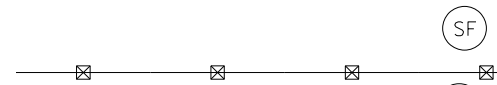
Full Depth Pavement

Sidewalk Asphalt/Concrete

Mill and Overlay

Overlay

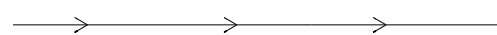
Silt Fence



Diversion Berm



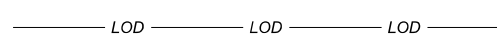
Drainage Divide



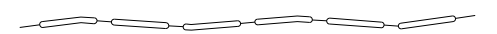
Check Dam



Limits of Disturbance



Fiber Roll or Wattle



PROJECT SPECIFIC SYMBOLS AND ABBREVIATIONS:

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NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 OFFICE OF FEDERAL LANDS HIGHWAY

TEST NATIONAL PARK  
**SYMBOLS AND ABBREVIATIONS**  
 SHEET SUB-TITLE 1  
 SHEET SUB-TITLE 2  
*Sheet 2 of 2*