∆ ∆c		total central angle curve central angle	M.L. M.P.	<i>main line mile post</i>	National Boundary			
Ø θs		diameter spiral central angle	m2 m3	square meter cubic meter	State Boundary			North Arrow
abut		abutment	matl. max.	material maximum	County Boundary			Slope Stake Limits
ADT AH		average daily traffic ahead	min.	minimum	City Boundary			Construction Limits
appr		approach	mon. N	monument north	Township or Range Line			
BK b.f.		<i>back back face</i>	NC	normal crown	Section Line			Bottom of Ditch
BM BP		bench mark	o.c. o. to o.	on center out to out	Section Corner (Found, Projected)	36 31	36 31	Fence
br.		balance point bridge	OD	outside diameter		1 6		Gate with Fence
brg. btwr	ו	bearing between	OG OHWM	original ground ordinary high water mark	¹ / ₄ Section Line	15	15	Cattleguard
	- c. to c.	. center to center	PC	point of curve	¹ / ₄ Section Corner (Found, Projected)	22	22	Guardrail
⊈ clr.		<i>centerline clear</i>	PCC PCS	point of compound curve point of curve to spiral	$\frac{V_{16}}{V_{16}}$ Section Line	o ^{1/16}	 © ^{1/16}	Concrete Barrier and Gu
CMP col.		corrugated metal pipe column	PI pl.	point of intersection plate	$\frac{1}{1_{16}}$ Section Corner (Found, Projected)	SEC.	SEC.	
conc conn		concrete connection	POC POS	point on curve point on spiral	Property Line	P/L	P/L	Retaining Wall
cons	tr. jt.	construction joint	POT	point on tangent	Parcel Number	(4)	00_)	Signs (single, double po
cont. CS		continuous point of curve to spiral	PS PSC	point of tangent to spiral point of spiral to curve	National Park Boundary	///////NP/////////////////////////////	///////NP/////////////////////////////	Delineators
ctrs. culv.		centers culvert	PST PT	point of spiral to tangent point of tangent	National Forest Boundary			Pipe Culvert (arrow sho
D		diameter	pvmt.	pavement	National Wildlife Refuge Boundary	//// NWR //// NWR //	/// NWR //// NWR ////	Pipe Culvert with End Se
DHV dia.		design hourly volume diameter	R R.	radius range	BLM Lands Boundary	***************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
diapi dist.		diaphragm distance	R/W	right-of-way	Indian Reservation Boundary	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~	Pipe Culvert with Headv
drwg		drawing(s)	rdwy. reinf.	roadway reinforcement	Existing Roadway (Paved, Gravel)			Pipe Culvert with Drop I
E e		east superelevation rate	reqd. rt. or RT	required right				Box Culvert
e.f.	4.016	each face elevation in meters	rte.	route	Railroad			Underdrain
elev.		elevation	S SADT	south seasonal average daily traffic	Trail			Overhead/Above Groun
emb EOP		embankment edge of pavement	SC sect.	point of spiral to curve section	Fiber Roll	- <u> </u>		
EQ O EW	or eq.	equation edge of water	shldr.	shoulder	Silt Fence	0 0		Underground Utilities FM = force main,
exc. exp.	it.	excavation expansion joint	SLRY spa.	slurry unit spacing, spaces or spaced	Sandbag			P = power, SA = s
f.f.	5	front face	SRS SS	point of spiral to reverse spiral point of spiral to spiral (no curve)				STEAM = steam,
fin. flg.		finish flange	ST STA, Sta.	point of spiral to tangent station	Intermittent Drainage or Small Creek			Poles (Power, Telephone Light, Support w
ftg.		footing	std. stgr.	standard stringer	Large Creek or River			Miscellaneous Utility Fea
ga. galv.		gage (gauge) galvanized	stiff. struc.	stiffener structural	Lake Dend or Decention Marchland	° °	<u>*</u> *	EM = electric mete
ID		inside diameter	STS	point of spiral to tangent spiral	Lake, Pond or Reservior; Marshland	°		UP = transformer o
IE Jt.		invert elevation joint	Т	tangent distance	Spring or Seep			Building
K.P.		, kilometer post	T. TBM	township temporary bench mark	Treeline; Individual Trees		man for	Right-of-Way Line
1 L dgi		length of curve	thd. TS	thread point of tangent to spiral				Permanent Easement
at.		latitude longitudinal	Ts typ.	tangent distance (spiraled curve) typical	Material Source; Bore Hole; Test Pit		TP	Construction Easement
EF LPŠN LS	1	lump sum length of spiral				\wedge $\mathbf{\nabla}$	N 1000	
It. or	- LT	left low water	V vph	design speed (velocity) vehicles per hour	Spot Elevation; Coordinate Grid Tick		E 4000	Riprap ()
> LVV		IOW WALEI	VPI	vertical point of intersection	Above Ground Tank; Underground Tank			Q Q
0			W	west	Boulder; Well; Antenna; Grave	\bigcirc \bigcirc		
	_				Cooking Grate; Garbage Can; Picnic Table		Ö	
		IOTE:						
M4 20		 Other symbols used in the plans will be shown in a legend on the appropriate plan sheet. 			Flagpole; Fire Hydrant	C M	-4	
7 77(in the set	Gas & Water Meter; Gas & Water Valve	9 9 9	e wv e e	
gust 21		Dimensions in this plan se unless otherwise noted.	et are in milli	IIIIeters	Control Point (Terrestrial and GPS)			NO SC
AU					1			

		PROJECT	SHEET NUMBER			
	- Z					
Tan af (EXISTING	PROPO	SED			
Top of C Toe of J						
5	- no symbol -					
		<u> </u>				
	×	×× ××				
	XXX	×× ××	⊴¥X XX			
			\blacksquare			
	a — <u> </u>					
nd Guard Wall	c=x=x=x=x=x=x=x=x=x					
	wal	wall face				
ole post; portable	e) o oo		, TT			
		4				
v shows flow)			~~~~			
and Section	N					
			•			
leadwall	~~	\frown	~~~			
Prop Inlet	(<u>DI</u>)~~	(DI)	~~ ~~			
)=======(
		+UD	H			
Fround Utilities	— — P — — P —	P	— P ——			
ies ain, FO = fiber GA = sanitary sev am, T = telepho	- — —w⊢ — —w⊢ optic, G = gas, IRR = i ver, SD = storm drain, ne, TV = CATV, W = w	rrigation,O = SS = storm se	→w⊨ oil, wer,			
ohone, Joint Use ort w/Anchor)						
ty Features meter, TP = tel mer or junction	ephone pedestal, TV = box, WF = water founta	_⊤ CATV pedestal, in				
	r/w		R/ W ——			
ent	P/E	P/E				
nent	- no symbol -					
	Section A-A		⊾ ▲			
	FEDERAL HIGHWA	DF TRANSPORTATION Y ADMINISTRATION				
F	OFFICE OF FEDERAL LANDS HIGHWAY WFLHD METRIC DETAIL					
	PLAN SYMBOLS AND					
	ABBREV	IATIONS				
IO SCALE	DETAIL APPROVED FOR USE REVISED: 9/2005 1/2007 10/		DETAIL			
I'	C/2022		/M101-1			