Δ	total central angle
Δc Ø	curve central angle diameter
θs	spiral central angle
abut.	abutment
ADT	average daily traffic
AH	ahead
appr.	approach
BK	back
BM BP	bench mark balance point
br.	bridge
brg.	bearing
cc or c. to c.	center to center
É	centerline
cir. CMP	clear
col.	corrugated metal pipe column
conc.	concrete
conn.	connection
constr. jt. cont.	construction joint continuous
CS	point of curve to spiral
ctrs.	centers
culv.	culvert
D	diameter
DHV	design hourly volume
dia. diag.	diameter diagonal
diaph.	diaphragm
dist.	distance
drwg(s).	drawing(s)
E	east
e El 94.061 m	superelevation rate
El. 94.061 m elev.	
El. 94.061 m elev. emb.	elevation with number elevation embankment
El. 94.061 m elev. emb. EP	elevation with number elevation embankment edge of pavement
El. 94.061 m elev. emb.	elevation with number elevation embankment edge of pavement equation
El. 94.061 m elev. emb. EP EQ or eq. ER EW	elevation with number elevation embankment edge of pavement equation edge of road edge of water
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc.	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation
El. 94.061 m elev. emb. EP EQ or eq. ER EW	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin.	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig.	elevation with number elevation embankment edge of pavement edge of road edge of water excavation expansion joint finish flange
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg.	elevation with number elevation embankment edge of pavement edge of road edge of road edge of water excavation expansion joint finish flange footing
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga.	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish flange footing gage (gauge)
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv.	elevation with number elevation embankment edge of pavement edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl.	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv.	elevation with number elevation embankment edge of pavement edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex.	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID jt.	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID jt. K.P.	elevation with number elevation embankment edge of pavement edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint kilometer post
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID jt. K.P. L	elevation with number elevation embankment edge of pavement edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint kilometer post length of curve
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID jt. K.P.	elevation with number elevation embankment edge of pavement edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint kilometer post
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID jt. K.P. L lam. lat. long.	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint kilometer post length of curve lamination latitude longitudinal
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID jt. K.P. L lam. lat. long. LPSM	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint kilometer post length of curve lamination latitude longitudinal lump sum
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID jt. K.P. L lam. lat. long. LPSM Ls	elevation with number elevation embankment edge of pavement edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint kilometer post length of curve lamination latitude longitudinal lump sum length of spiral
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fin. fig. ftg. ga. galv. hdwl. hex. HW ID jt. K.P. L lam. lat. long. LPSM	elevation with number elevation embankment edge of pavement equation edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint kilometer post length of curve lamination latitude longitudinal lump sum
El. 94.061 m elev. emb. EP EQ or eq. ER EW exc. exp. jt. fig. ftg. ga. galv. hdwl. hex. HW ID jt. K.P. L lam. lat. long. LPSM Ls It. or LT	elevation with number elevation embankment edge of pavement edge of road edge of water excavation expansion joint finish flange footing gage (gauge) galvanized headwall hexagon high water inside diameter joint kilometer post length of curve lamination latitude longitudinal lump sum length of spiral left

MG 00:3

NOTE:

Other symbols used in the plans will be show on the appropriate plan sheet.

2. Dimensions in this plan set are in millimeters unless otherwise noted.

M.L. M.P.	main line mile post	National Boundary			North Arrow
m2 m3	square meter cubic meter	State Boundary			
matl. max.	material maximum	County Boundary			Clana Chaka Limita
min.	minimum	City Boundary			Slope Stake Limits
mon.	monument north				
N NC	normal crown	Township or Range Line			Fence
0. <i>C.</i>	on center	Section Line	36 31	36 7 31	Gate with Fence
o. to o. OD	out to out outside diameter	Section Corner (Found, Projected)	1 6	1 6	Cattleguard
OG PC	original ground point of curve	¹ / ₄ Section Line	15	15	
PCC	point of compound curve	¹ / ₄ Section Corner (Found, Projected)	►° ~ 22	≥⊙⊲ 22	Guardrail
PCS PI	point of curve to spiral point of intersection	¼₁6 Section Line		·	Concrete Barrier
pl. POC	plate point on curve	¹ / ₁₆ Section Corner (Found, Projected)	9 ^½ 16 SEC.	ن SEC.	Retaining Wall
POS POT	point on spiral point on tangent	Property Line w/Found Property Corner	P/L	P/L	Signs (single, double post;
PS PSC	point of tangent to spiral point of spiral to curve	Parcel Number	4	00	
PST	point of spiral to tangent	National Park Boundary	//////////////////////////////////////	NP	Delineators
PT pvmt.	point of tangent pavement	National Forest Boundary	///////////////////////////////////////		Pipe Culvert (arrow shows f
R	radius	National Wildlife Refuge Boundary	//// NWR //// NWR	//// NWR //// NWR	Pipe Culvert with End Section
R. R/W	range right-of-way	BLM Lands Boundary	******	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Pipe Culvert with Headwall
rdwy. reinf.	roadway reinforcement	Indian Reservation Boundary		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
reqd. rt. or RT	required right				Pipe Culvert with Drop Inlet
rte.	route	Existing Roadway (Road, Paved, Gravel)	· · · · · · · · · · · · · · · · · · ·		Box Culvert
S SADT	south seasonal average daily traffic	Railroad		+ + + + + + + + + + + + + + + + + + + +	Underdrain
SC sec.	point of spiral to curve section	Trail			Overhead/Above Ground Ut
shldr.	shoulder				Underground Utilities
slry spa. SRS	slurry unit spacing, spaces or spaced	Wattle			Underground Utilities FM = force main, FO
SS	point of spiral to reverse spiral point of spiral to spiral (no curve)	Silt Fence			P = power, SA = sani STEAM = steam, T =
ST Sta.	point of spiral to tangent station	Intermittent Drainage or Small Creek			
std.	standard stringer				Poles (Power, Telephone, Jo Light, Support w/Anch
stgr. stiff.	stiffener	Large Creek or River		••••	Miscellaneous Utility Feature
struc. STS sym.	structural point of spiral to tangent spiral symmetrical	Lake, Pond or Reservoir; Marshland	· · ·		EM = electric meter, UP = transformer or ju
Ţ	tangent distance	Spring or Seep		~~	Building
Т. ТВМ	township temporary bench mark			man	
thd. TS	thread point of tangent to spiral	Treeline; Individual Trees			Right-of-Way Line with Mon
Ts typ.	tangent distance (spiraled curve) typical		► > BH	TP	Permanent Easement
V	design speed	Material Source; Bore Hole; Test Pit	\sim \bullet	•	Construction Easement
vph VPI	vehicles per hour vertical point of intersection	Spot Elevation; Coordinate Grid Tick	EL. 1234.56 ×		Riprap GA
W	west	Above Ground Tank; Underground Tank			and a set
		Boulder; Well; Satellite Dish; Grave	€ O ^W		
		Cooking Grate; Garbage Can; Picnic Table		\bigcirc	
		Flagpole; Fire Hydrant	Ģ 🦞 🌔	–⊙ G ₩	
ns will be sh	own in a legend	Gas & Water Meter; Gas & Water Valve		PS III	
e in millimet	ers	Control Point (Terrestrial and GPS); Jump Hu			
		1			

		STATE	PROJECT	SHEET NUMBER				
- •	- Z							
	EXISTING	PROP	OSED					
Top of Cu								
Toe of Fi Transitio		_						
	XX	—x	×× ××	—— <u>×</u> ×				
	XX =>< X	—ж	×× ***>					
		_ 1						
	wall face							
ost; portable)	ত ত	0	• •	•				
	¢		•	€				
ows flow)		- ~~		~ ~~				
Section	⊳	- ^>	•	^ ~				
wall	⊢	- ^>		^ ~~				
Inlet	(j)	- ^>	DI	~~				
	>====	\leq						
	⊢U	D	 					
nd Utilities	P -			P				
FO = fiber optic, $G = gas$, $IRR = irrigation$, $O = oil$, sanitary sewer, $SD = storm drain$, $SS = storm sewer$, T = telephone, $TV = CATV$, $W = water$								
ne, Joint Use, (Anchor)		- <u>co</u> -	•	ب				
Anchor)	-¢ -⊙)	- *					
eatures ter, T = telepho or junction box	one pedestal, TV c, WF = water fou	= CAT\ ntain	/ pedestal,					
Monument	└ ─ ─ └ J ── -⊖─ R/₩			 R/W				
	<u>P/e</u>		P/	<u>E</u>				
:	- no symbol	-	C//	<u>E</u>				
Γ	U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION							
ŀ	WESTERN FI		ANDS HIGHWAY DI	VISION				
	PL	AN S	SYMBOLS	;				
	AND ABBREVIATIONS							
O SCALE	DETAIL APPROVED FOR USE 11/2001 DETAIL REVISED: 9/2005 1/2007 10/2009 WM101-							