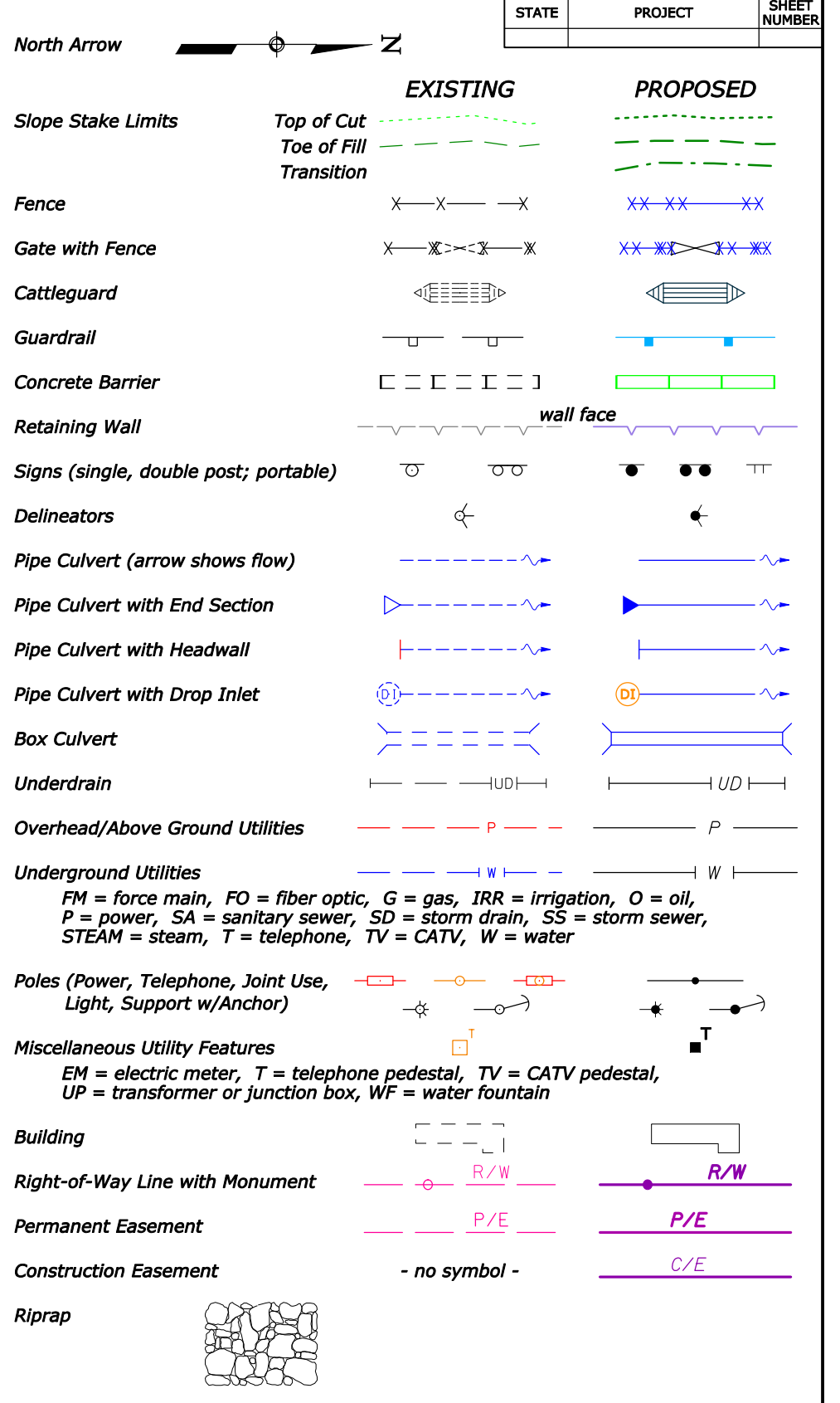
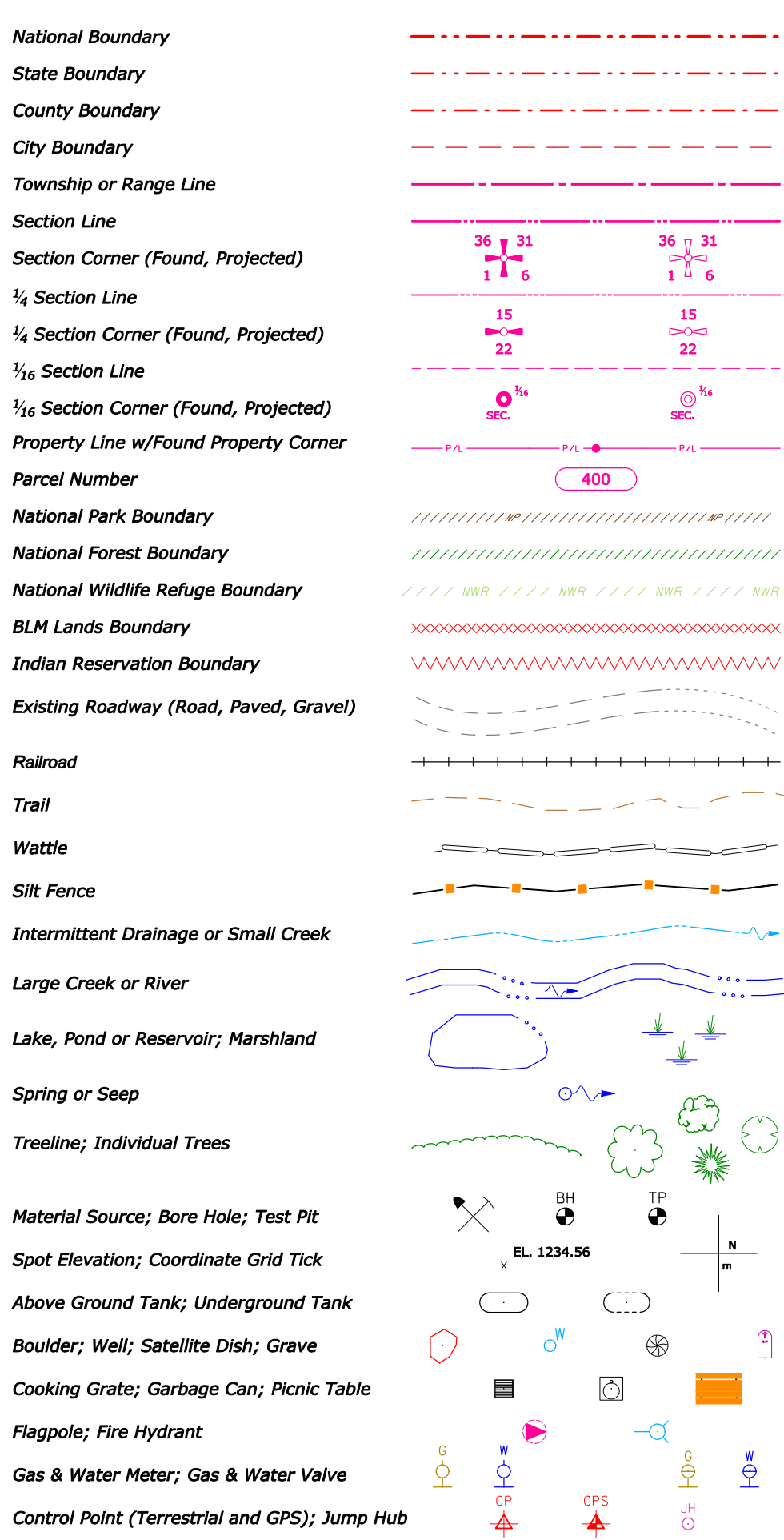


Δ	total central angle	M.L.	main line
Δc	curve central angle	M.P.	mile post
\emptyset	diameter	matl.	material
θ_s	spiral central angle	max.	maximum
abut.	abutment	MGAL	thousand gallon
ADT	average daily traffic	min.	minimum
AH	ahead	mon.	monument
appr.	approach	N	north
BK	back	NC	normal crown
BM	bench mark	o. c.	on center
BP	balance point	o. to o.	out to out
br.	bridge	OD	outside diameter
brg.	bearing	OG	original ground
cc or c. to c.	center to center	PC	point of curve
ξ	centerline	PCC	point of compound curve
clr.	clear	PCS	point of curve to spiral
CMP	corrugated metal pipe	PI	point of intersection
col.	column	pl.	plate
conc.	concrete	POC	point on curve
conn.	connection	POS	point on spiral
constr. jt.	construction joint	POT	point on tangent
cont.	continuous	PS	point of tangent to spiral
CS	point of curve to spiral	PSC	point of spiral to curve
ctrs.	centers	PST	point of spiral to tangent
CUFT	cubic foot (feet)	PT	point of tangent
culv.	culvert	pvmnt.	pavement
CUYD	cubic yard(s)	R	radius
D	diameter	R.	range
DHV	design hourly volume	R/W	right-of-way
dia.	diameter	rdwy.	roadway
diag.	diagonal	reinf.	reinforcement
diaph.	diaphragm	reqd.	required
dist.	distance	rt. or RT	right
drwg(s).	drawing(s)	rte.	route
E	east	S	south
e	superelevation rate	SADT	seasonal average daily traffic
El. 94.16 ft	elevation with number	SC	point of spiral to curve
elev.	elevation	sec.	section
emb.	embankment	shldr.	shoulder
EP	edge of pavement	SLRY	slurry unit
EQ or eq.	equation	spa.	spacing, spaces or spaced
ER	edge of road	SQFT	square foot
EW	edge of water	SQYD	square yard
exc.	excavation	SRS	point of spiral to reverse spiral
exp. jt.	expansion joint	SS	point of spiral to spiral (no curve)
fin.	finish	ST	point of spiral to tangent
flg.	flange	STA, Sta.	station
ft2	square foot	std.	standard
ft3	cubic foot (feet)	stgr.	stringer
ftg.	footing	stiff.	stiffener
ga.	gage (gauge)	struc.	structural
galv.	galvanized	STS	point of spiral to tangent spiral
hdwl.	headwall	sym.	symmetrical
hex.	hexagon	T	tangent distance
HW	high water	T.	township
ID	inside diameter	TBM	temporary bench mark
jt.	joint	thd.	thread
L	length of curve	TS	point of tangent to spiral
lam.	lamination	Ts	tangent distance (spiraled curve)
lat.	latitude	typ.	typical
LNFT	linear foot (feet)	V	design speed
long.	longitudinal	vph	vehicles per hour
LPSM	lump sum	VPI	vertical point of intersection
Ls	length of spiral	W	west
lt. or LT	left	yd2	square yard
LW	low water	yd3	cubic yard(s)

PC	point of curve	National Boundary	-----
PCC	point of compound curve	State Boundary	-----
PCS	point of curve to spiral	County Boundary	-----
PI	point of intersection	City Boundary	-----
pl.	plate	Township or Range Line	-----
POC	point on curve	Section Line	-----
POS	point on spiral	Section Corner (Found, Projected)	-----
POT	point on tangent	1/4 Section Line	-----
PS	point of tangent to spiral	1/4 Section Corner (Found, Projected)	-----
PSC	point of spiral to curve	1/16 Section Line	-----
PST	point of spiral to tangent	1/16 Section Corner (Found, Projected)	-----
PT	point of tangent	Property Line w/Found Property Corner	-----
pvmnt.	pavement	Parcel Number	400
R	radius	National Park Boundary	////// NP ////
R.	range	National Forest Boundary	////// NFW ////
R/W	right-of-way	National Wildlife Refuge Boundary	////// NWR ////
rdwy.	roadway	BLM Lands Boundary	XXXXXX
reinf.	reinforcement	Indian Reservation Boundary	~~~~~
reqd.	required	Existing Roadway (Road, Paved, Gravel)	-----
rt. or RT	right	Railroad	-----
rte.	route	Trail	-----
S	south	Wattle	-----
SADT	seasonal average daily traffic	Silt Fence	-----
SC	point of spiral to curve	Intermittent Drainage or Small Creek	-----
sec.	section	Large Creek or River	-----
shldr.	shoulder	Lake, Pond or Reservoir; Marshland	-----
SLRY	slurry unit	Spring or Seep	-----
spa.	spacing, spaces or spaced	Treeline; Individual Trees	-----
SQFT	square foot	Material Source; Bore Hole; Test Pit	-----
SQYD	square yard	Spot Elevation; Coordinate Grid Tick	-----
SRS	point of spiral to reverse spiral	Above Ground Tank; Underground Tank	-----
SS	point of spiral to spiral (no curve)	Boulder; Well; Satellite Dish; Grave	-----
ST	point of spiral to tangent	Cooking Grate; Garbage Can; Picnic Table	-----
STA, Sta.	station	Flagpole; Fire Hydrant	-----
std.	standard	Gas & Water Meter; Gas & Water Valve	-----
stgr.	stringer	Control Point (Terrestrial and GPS); Jump Hub	-----
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		
yd2	square yard		
yd3	cubic yard(s)		



NOTE:

1. Other symbols used in the plans will be shown in a legend on the appropriate plan sheet.

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
WESTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL

**PLAN SYMBOLS
AND ABBREVIATIONS**

DETAIL APPROVED FOR USE 11/2001	DETAIL
REVISED: 9/2005 1/2007 10/2009	W101-1