

STATE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WA	PFH 158-1(5)	2	7

abutment	abut. aggr.	latitude	lat.
aggregate	aggr.	left	lt.
ahead	AH	length of curve	L
alternate	alt.	longitudinal	long.
and	et al	low water	LW
and others	et al	lump sum	LPSM
and wife	et ux	magnetic	mag.
and so forth (et cetera)	et cetera	main line	M.L.
approach	appr.	maintenance	maint.
approximate	appr.	material	matl.
asphalt	asph.	maximum	max.
at	@	meter (measurement)	m
average daily traffic	ADT	metric ton	t
back	BK	millimeter	mm
back to back	b. to b.	mile post	M.P.
balance point	BP	minute(s) (angular)	'
batter	btr.	minimum	min.
beam	bm.	miscellaneous	misc.
bearing	brg.	monument	mon.
beginning	beg.	mountain(s)	mntn(s).
bench mark	BM	negative	neg.
bridge	br.	north	N
centerline	cl	newton	N
center to center	cc or c. to c.	number	no.
centers	ctrs.	original ground	OG
channel change	ch. ch.	out to out	o. to o.
clear	col.	outside diameter	OD
column	col.	pasal	Pa
concrete	conc.	pavement	pvmt.
connection	conn.	per cent, or %	pcnt. or %
construction	constr.	perforate	perf.
construction joint	constr. jt.	plate	pl.
contingent sum	CTSM	point of compound curve	PCC
continuous	cont.	point of curve	PC
corrugated	corr.	point of intersection	PI
corrugated metal pipe	CMP	point of spiral to curve	PSC or SC
C	C	point of curve to spiral	PSC or CS
county	co.	point on spiral	POS
countersink	ctsk.	point of spiral to tangent	PST or ST
creek	cr.	point on tangent	POT
cubic meter	m ³ or m3	point of curve to spiral	PCS or TS
culvert	culv.	point of spiral to tangent	PT
curve delta	Δ	project	proj.
curve left	LT	quantities	quant.
curve right	RT	quantities	quant.
degree	deg.	radian	rad
degree Celsius	°C	radius	R
design hour volume	DHV	range	R
diagonal	diag.	reconstruction	reconst.
diameter	dia., D, ø	reinforcement	reinf.
diaphragm	diaph.	required	reqd.
district	Dist.	reservoir or Reservation	res.
donation land claim	DLC	retaining wall	ret. wall
drawing(s)	drwg(s).	right	rt.
east	E	right-of-way	R/W
edge of pavement	EP	road	rd.
edge of water	EW	roadway	rdwy.
edge of road	ER	route	rte.
elevation	elev.	school	sch.
elevation with number	El. 94.066 m	second (angular)	s
embankment	emb.	section	sec.
Engineers)	engr(s).	slope protection	sl. prot.
equation	EQ or eq.	south	S
excavation	exc.	spacing, Spaces or Spaced	spa.
expansion joint	exp. jt.	specification	spec.
federal	Fed.	square	sq
finish	fin.	square meter	m ² or m2
flange	fig.	standard	std.
footing	fig.	station	sta.
for example	e.g.	stiffener	stiff.
galvanized	galv.	straight	str.
gage (gauge)	ga.	stringer	str.
headwall	hdwl.	structural	struc.
hectare	ha	superelevation rate	e
hexagon	hex.	symmetrical	sym.
high water	HW	tangent	tan.
highway	hwy.	tangent length	T
house	hse.	temporary bench mark	TBM
homestead entry survey	HES	that is	i.e.
husband and wife	H & W	thread	thd.
identification	iden.	township	T.
inclusive	incl.	typical	typ.
inside diameter	ID	vehicles per hour	vph
joint	jt.	vertical point of intersection	VPI
kilogram	kg	warehouse	whs.
kilometer	km	west	W
kilometer per hour	km/h		
kilometer post	K.M.		
lamination	lam.		

NATIONAL BOUNDARY	
STATE BOUNDARY	
COUNTY BOUNDARY	
CITY BOUNDARY	
TOWNSHIP or RANGE LINE	
SECTION LINE	
1/4 SECTION LINE	
1/8 SECTION LINE	
NATIONAL PARK or FOREST BOUNDARY	
BUREAU OF LAND MANAGEMENT BOUNDARY	
BUREAU OF INDIAN AFFAIRS BOUNDARY	
PROPERTY LINE	
RIGHT-OF-WAY LINE	
EASEMENT (Permanent - Non-Permanent)	
CLEARING LIMITS	
ROADWAY, EXISTING	
RAILROAD	
SILT FENCE	
TRAIL	
INTERMITTENT DRAINAGE	
and SMALL CREEK	
LARGE CREEK/RIVER	
LAKE, POND or RESERVOIR; MARSHLAND	
SPRING	
TREELINE; TREE	
MATERIAL SOURCE	
SECTION CORNER	
1/4 SECTION CORNER	
1/8 SECTION CORNER	
PROPERTY CORNER	
PARCEL NUMBER	
COMMON OWNERSHIP	

FENCE		EXISTING		PROPOSED	
GATE with FENCE					
CATTLEGUARD					
GUARDRAIL					
SIGNS		Post mounted			
		single			
		double			
		Portable			
RETAINING WALL		No Symbol			
POWER POLE UTILITIES					
Ppower, T=telephone					
UNDERGROUND UTILITIES					
Ggas, Ooil, Ppower,					
SA= sanitary sewer,					
SS=storm sewer,					
T=telephone, W=water					
BRIDGE, BOX CULVERT					
PIPE CULVERT (arrow shows flow)					
PIPE CULVERT with END SECTION					
PIPE CULVERT with HEADWALL					
CULVERT with DROP INLET					
UNDERDRAIN					
MAILBOX		No Symbol			
WELL		No Symbol			
WATER METER, VALVE, FOUNTAIN		No Symbol			
UNDERGROUND WATER,		No Symbol			
TELEPHONE, POWER, GAS		No Symbol			
JUNCTION BOX		No Symbol			
GAS METER, VALVE		No Symbol			
POWER POLE		No Symbol			
TELEPHONE POLE		No Symbol			
SUPPORT POLE WITH ANCHOR		No Symbol			
JOINT USE POLE		No Symbol			
CONTROL POINT		No Symbol			
REFLECTOR/MARKER		No Symbol			
SATELLITE DISH		No Symbol			
STREET LIGHT		No Symbol			
FIRE HYDRANT		No Symbol			
NORTH ARROW		No Symbol			

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

PLAN SYMBOLS & ABBREVIATIONS
FLOWY TRAIL ROAD
FOREST HIGHWAY PFH 158-1(5)
STEVENS COUNTY
WASHINGTON