

M:\Engineering\Software\OpenRoads Designer CE 10.10\Configuration\Organization\Standard_Shts\Symbol&Abbre\ORD_EFLHD_sym.dgn [SHEET 1]

8 February 2024 4:56 PM

				PROJECT		SHEET NUMBER					
				<div>Control Point (Terrestrial and GPS); Jump Hub</div> <div><div><div><div><div><div></div><div>RBAR</div><div>3000</div></div><div><div></div><div>JH</div><div></div></div></div></div></div><div>National Boundary</div><div>State Boundary</div><div>County Boundary</div><div>City Boundary</div><div>Township or Range Line</div><div>Section Line</div><div>Section Corner (Found, Projected)</div><div><div><div><div><div><div></div><div>36</div><div>31</div><div>1</div><div>6</div></div><div><div></div><div>15</div><div>22</div></div></div><div><div><div><div><div></div><div>36</div><div>31</div><div>1</div><div>6</div></div><div><div></div><div>15</div><div>22</div></div></div><div><div><div><div><div></div><div>1/16</div><div>SEC.</div></div><div><div></div><div>1/16</div><div>SEC.</div></div></div></div></div><div>Property Line w/Found Property Corner</div><div>Parcel Number</div><div>000000</div><div><div><div><div><div><div></div><div>NP</div><div></div></div><div><div></div><div>NP</div><div></div></div></div><div><div><div><div><div></div><div>NWR</div><div></div></div><div><div></div><div>NWR</div><div></div></div><div><div></div><div>NWR</div><div></div></div><div><div></div><div>NWR</div><div></div></div></div></div></div><div>BLM Lands Boundary</div><div>Indian Reservation Boundary</div><div>Existing Roadway (Road, Paved, Gravel)</div><div>Railroad</div><div>Trail</div><div>Intermittent Drainage or Small Creek</div><div>Large Creek or River</div><div>Lake, Pond or Reservoir</div><div>Spring or Seep</div><div>Treeline; Individual Trees</div><div><div><div><div><div><div></div><div>EL. 0.00</div><div>X</div></div><div><div></div><div>BH</div><div></div></div><div><div></div><div>TP</div><div></div></div></div></div></div><div>Material Source; Bore Hole; Test Pit</div><div>Spot Elevation; Coordinate Grid Tick</div><div><div><div><div><div><div></div><div>N</div><div>0</div><div>ft</div><div>mi</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>							
Δ	total central angle	HLSD	headlight sight distance					SRS	point of spiral to reverse spiral		
Δc	curve central angle	HW	high water					SS	point of spiral to spiral (no curve)		
Ø	diameter	ID	inside diameter					SSD	stopping sight distance		
Øs	spiral central angle	INF	infinite					ST	point of spiral to tangent		
abut.	abutment	inv.	invert					Sta.	station		
ACP	asphalt concrete pavement	jt.	joint					std.	standard		
ADT	average daily traffic	K	K-Value					stgr.	stringer		
Agg	aggregate	L	length of curve					stiff.	stiffener		
AH	ahead	lam.	lamination					struc.	structural		
AMD	amendment	lat.	latitude					STS	point of spiral to tangent spiral		
appr.	approach	LOD	Limits of Disturbance					SW or SDW	solid white		
ASC	aggregate surface course	long.	longitudinal					sym.	symmetrical		
Asph	asphalt	LPSM	lump sum					S/W	sidewalk		
BK	back	Ls	length of spiral					T	tangent distance		
BL	baseline	lt. or LT	left					T.	township		
bldg.	building	LW	low water					TBM	temporary bench mark		
BM	bench mark	ML	main line					thd.	thread		
BP	balance point	MOD	modification					traf.	traffic		
br.	bridge	MP	mile post					TS	point of tangent to spiral		
brg.	bearing	max.	maximum					Ts	tangent distance (spiraled curve)		
BW	broken white	min.	minimum					typ.	typical		
cc or c. to c.	center to center	mon.	monument					V	design speed		
CL	centerline	N	north					VC	vertical curve		
CMP	corrugated metal pipe	NC	normal crown					var.	varies		
col.	column	NMSA	nominal maximum size aggregate					vph	vehicles per hour		
conc.	concrete	No.	number					VPI	vertical point of intersection		
conn.	connection	o. c.	on center					W	west		
constr. jt.	construction joint	ohwm	ordinary high water mark								
cont.	continuous	o. to o.	out to out								
CS	curve to spiral	OD	outside diameter								
ctrs.	centers	OG	original ground								
D	directional distribution factor	PC	point of curve								
DHV	design hourly volume	PCC	point of compound curve								
dia.	diameter	PCS	point of curve to spiral								
diag.	diagonal	PGL	profile grade line								
diaph.	diaphragm	PI	point of intersection								
dist.	distance	pl.	plate								
drwg(s).	drawing(s)	POB	point of beginning								
DSY	double solid yellow	POC	point on curve								
DW or DTW	dotted white	POE	point of ending								
DY or DTY	dotted yellow	POS	point on spiral								
E	east	POT	point on tangent								
e	superelevation rate	prop.	proposed								
elec.	electric	PS	point of tangent to spiral								
elev.	elevation	PSC	point of spiral to curve								
emb.	embankment	PST	point of spiral to tangent								
EOP	edge of pavement	PT	point of tangent								
EOS	edge of shoulder	pvmt.	pavement								
EOT	edge of travel way	R	radius								
EQ or eq.	equation	R.	range								
ER	edge of road	R/W	right-of-way								
ESAL	equivalent single axle load	rdwy.	roadway								
EW	edge of water	RECP	rolled erosion control product								
ex. or exist.	existing	reinf.	reinforcement								
exc.	excavation	reqd.	required								
exp. jt.	expansion joint	rt. or RT	right								
fin.	finish	rte.	route								
flg.	flange	S	south								
ftg.	footing	SADT	seasonal average daily traffic								
ga.	gage (gauge)	SC	point of spiral to curve								
GAB	graded aggregate base	sec.	section								
galv.	galvanized	shldr.	shoulder								
gnd or grnd	ground	spa.	spacing, spaces or spaced								
hdwl.	headwall	sqft	square foot								
hex.	hexagon	sqyd	square yard								
NO.	DATE	BY	REVISIONS								
				U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION OFFICE OF FEDERAL LANDS HIGHWAY		INSERT FEDERAL LAND HERE SYMBOLS AND ABBREVIATIONS					
						Sheet 1 of 2					

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PROJECT	SHEET NUMBER

North Arrow



Slope Stake Limits



Fence



Gate with Fence



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



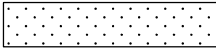
Riprap



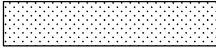
Pavement Removal / Roadway Obliteration



Full Depth Pavement



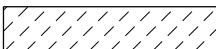
Sidewalk Asphalt/Concrete



Mill and Overlay



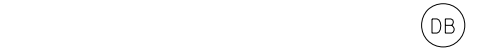
Overlay



Silt Fence



Diversion Berm



Drainage Divide



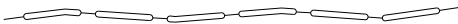
Check Dam



Limits of Disturbance



Fiber Roll or Wattle



PROJECT SPECIFIC SYMBOLS AND ABBREVIATIONS:

NO.	DATE	BY	REVISIONS

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

INSERT FEDERAL LAND HERE

SYMBOLS AND ABBREVIATIONS