Λ.	ODDEV/IA	TIONS			
At	BBREVIA [®]				
	€ △	centerline	F	f.f.	fill face
	$\overset{\triangle}{\mathscr{O}}$	curve delta diameter		F'c	specified strength of concrete
	@	at		Fed.	federal
	≥ _	less than or equal to		FES	flared end section
A	abut.	abutment		FH	fire hydrant
	AC ACC	asphalt concrete acceleration		fin.	finish finish grade
	Add.	additional, added		Fin. Gr. Ft.	feet
	ADT.	average daily traffic		ftg.	footing
	aggr.	aggregate		ftr.	future
	alt.	alternate approach	G	ga.	gage (gauge) galvanized
	appr. ARV	air relief valve		galv. GC	grade control
	Aux	auxiliary		gdr.	girder
	az.	azimuth		GRP	Grouted Rubble Pavement
В	b.f.	both faces		GFRP	glass fiber reinforced
	bal. beg.	balance beginning,begin		HDPE	polymer high density polyethylene
	Bk.	back	H	hdwl.	headwall
	B	baseline		hex.	hexagon
	ВМ	bench mark		horiz.	horizontal
	bot., bott.	bottom		HW	high water
	BP br.	balance point bridge		hwy. Ht.	highway height
	brg.	bearing	I	ID	inside diameter
	BVC	beginning of vertical curve	_	in.	inch
	BV	Bottom Vertical		incl.	inclusive,including
_	CACD	corrugated aluminized		incr.	increment
C	CASP	corrugated aluminized steel pipe	7	int.	interior joint
	CBC	concrete box culvert	J K	jt. K	k-value
	C-C	center to center	Ĺ	Ĺ	length
	CH	chord length		lat.	latitude
	clr.	clear control joint		LC	length of curve pound, pounds
	cntl. jt. Co.	county		ID., IDS., LBS LGC	left grade control
	col.	column		long.	longitudinal
	conc.	concrete		LP	Loop
	conn.	connection		LPSM	lump sum
	constr. constr. jt.	construction construction joint		Lt. or LT	left low water
	cont.	continuous	м	LW mag.	magnetic
	corr.	corrugated	1.7	maint.	maintenance
	cr.	creek		matl.	material
	CSP	corrugated steel pipe		max.	maximum
	ctrs. CTSM	centers contingent sum		min. misc.	minimum miscellaneous
	culv.	culvert		mon.	monument
	cu yd	cubic yard		MPH	Miles Per Hour
D	decr.	decrement		mtn(s).	mountain(s)
	det. DHV	detail	N	N	north
	DHV DI	design hour volume drop inlet		NC	normal crown negative
	dim.	dimension		neg. no. or #	number
	dia. or D	diameter	0	o.c.	on centers
	diag.	diagonal		o.f.	other face
	diaph. dist.	diaphragm distance		OD O/G	outside diameter offset
	uist. Dist.	district	P	O/S Pavt	Pavement
	dwg(s).	drawing(s)		PC	point of curve
E	Ε	east		PCC	portland cement concrete
	EA, Ea, ea	Each		PCCP	portland cement concrete pavt
	EF e	Each Face superelevation rate		PCF	pounds per cubic foot perforate
		elevation with number		perf. PI	point of intersection
	elev.	elevation		pl.	plate
	emb.	embankment		'PL	Place
	engr(s).	Engineer(s)		POC	point on curve
	EP EQ or eq.	edge of pavement equation		POCC	point of compound curvature point on spiral
	ES Eq.	edge of shoulder		POS POT	point on tangent
	Est.	estimated		proj.	project
	et al	and others		psi	pounds per square inch
	EVC EW	end of vertical curve		PT	point of tangent point of vertical intersection
	Evv Exist., Ex	edge of water Existina		PVI pvmt.	pavement
	exc.	excavation	Q	Q	Flow Rate
	exp. jt.	expansion joint		Qty	quantities
	ext.	exterior	R	R	radius right-of-way
				R/W Rebar	right-of-way reinforcing bar
				Neval	5. 5 5 541

	rd.	road	
	rdwy.	roadway	
	recónst.	reconstruction	
	reinf.	reinforcement required	
	reqd. ret. wall	retaining wall	
	RGC	right grade control	
	Rt. or RT	right	
S	rte.	route south	
3	S SADT	seasonal average daily tra	affic
S	SDMH	storm drain manhole	
_	SE	super elevation	
	sec.	section shoulder	
	shldr. spa.	spacing, Spaces or Spaced	1
	spec.	specification	•
	St., st.	street	
	sta.	station	
	std.	standard stiffener	
	stiff. stirr	stirrup	
	str.	straight	
	struc.	structural	
_	sym.	symmetrical	
<i>T</i>	Ţ	Tangent Length Percent Trucks in Design I	Hour
	Т Т&В	top and bottom	loui
	tan.	tangent	
	TBM	temporary bench mark	
	TC_	Terminus Connector	
	TCE	temporary construction easement	
	TFE	top of footing elevation	
	TMK	Tax Map Key	
	transv.	transverse	
	tot.	total	
	typ.	typical Top Vertical	
V	TV V	design speed	
•	var.	varies	
	VC	vertical curve	
	vert.	vertical vehicles per hour	
	vph	vernicies per riour	
W	W	west	
	W/C	water/cement ratio	
	w/	with	
	WW	wing wall	
DR	AINAGE	SYMBOLS	
	_		
Ditc	ch (Existing, I	Proposed)	
Elou	v Arrow		\sim
riov	VAIIOW		
Dra	inage or Sma	all Creek	
2.4	mage or ome	m creek	~
Lak	e, Pond or Re	eservoir	
	,		
		_	
Rive	er	_	
_		,	
Roc	kpile (Existin	g)	
			<u> </u>

Bridge (Existing, Proposed)

Pipe Culvert (Existing, Proposed)

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HI	HI STP SR 30(1)	A2

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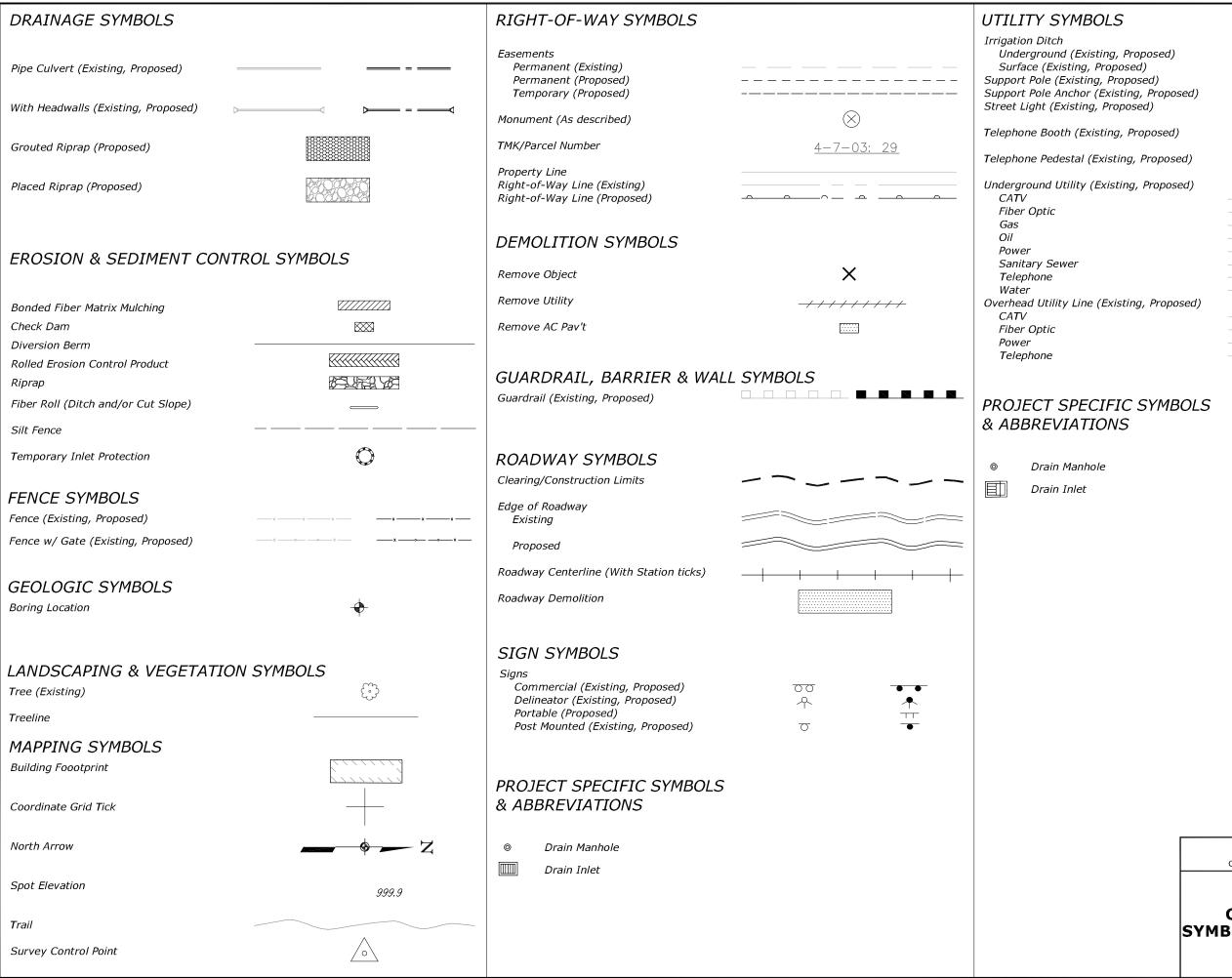


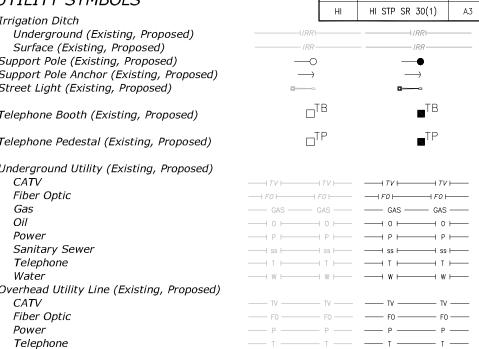
WILSON OKAMOTO CORPORATION APRIL 30, 2020 LIC. EXP. DATE

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

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CONVENTIONAL PLAN SYMBOLS AND ABBREVIATIONS







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