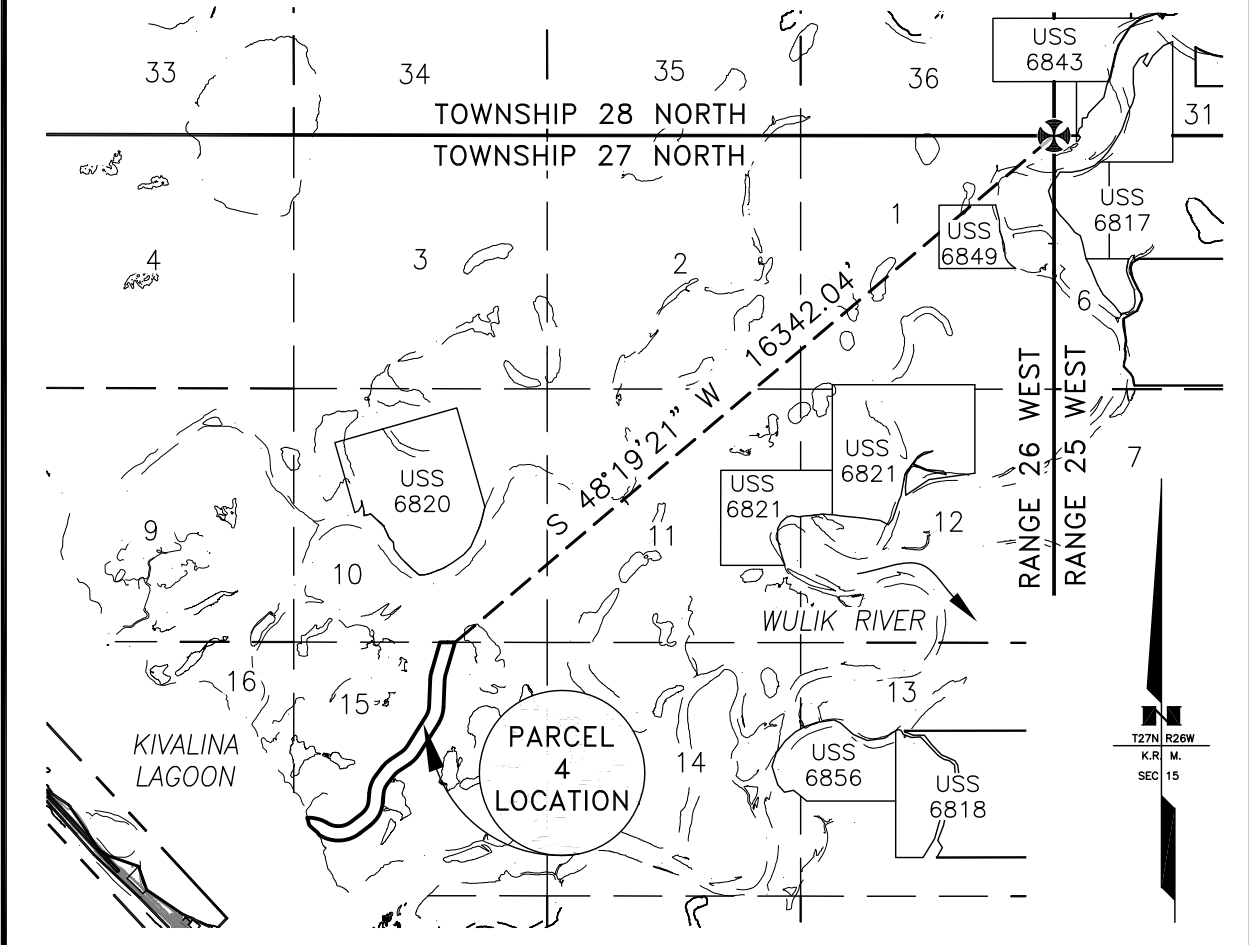


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 &
 PUBLIC FACILITIES

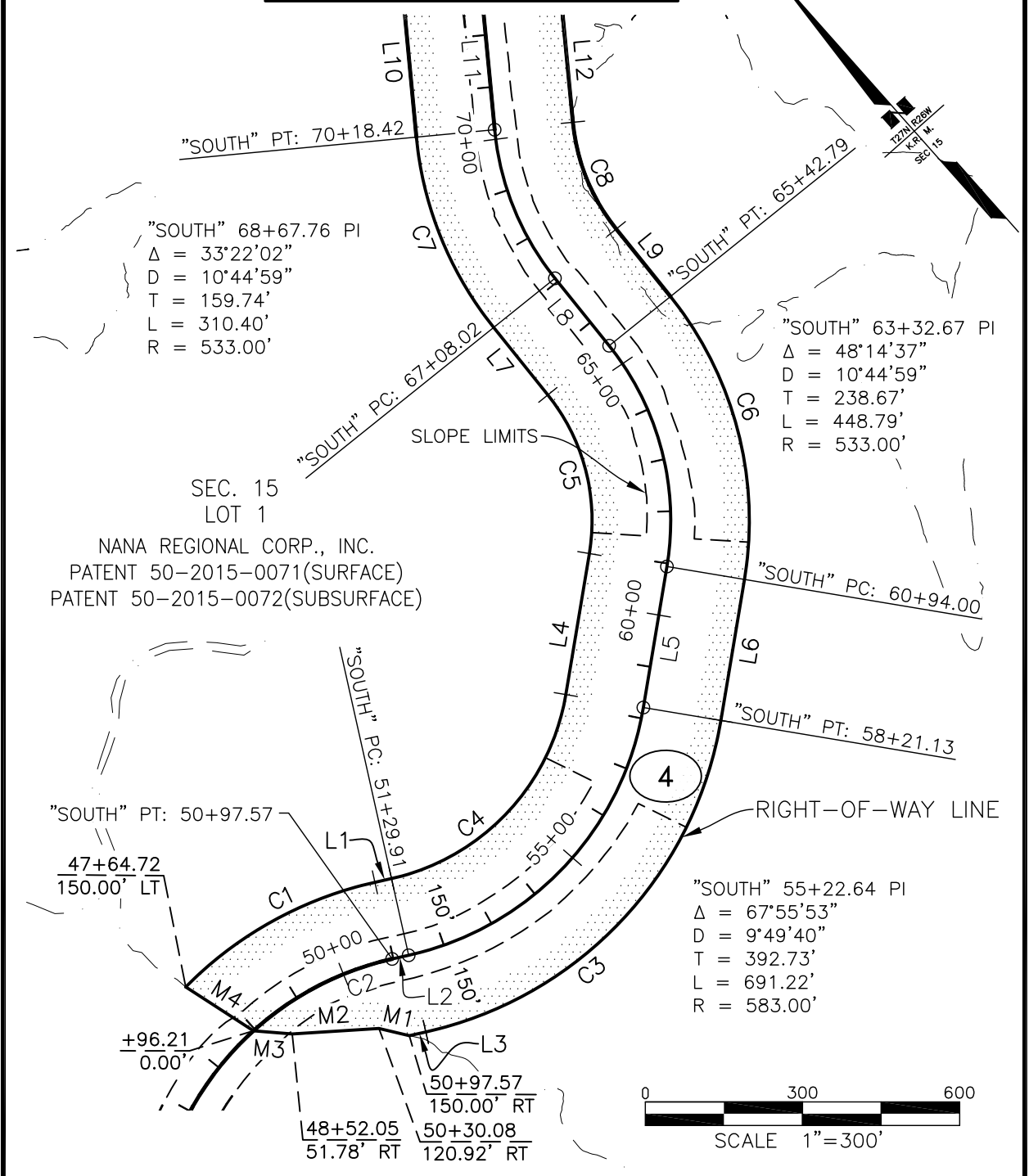
RIGHT OF WAY REQUIRED
 0002384/NFHWHY00162
 KIVALINA EVACUATION AND
 SCHOOL SITE ACCESS ROAD



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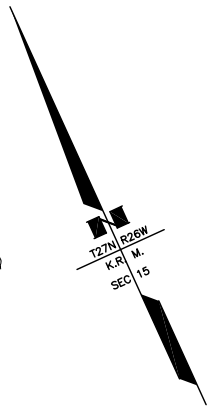
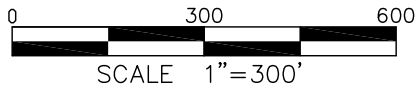
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		RIGHT OF WAY REQUIRED FOR KIVALINA EVACUATION AND SCHOOL SITE ACCESS ROAD	
_____	DRAWING	PROJECT NO. <u>0002384/NFHWHY00162</u>	
_____	1 OF 5	AREA <u>37.864 AC.</u>	PARCEL NO. <u>4</u>
INITIAL	DATE	SCALE <u>1" = 4000'</u>	DATE <u>12/19/2018</u>

MATCH SHEET 3 PC 72+39.93

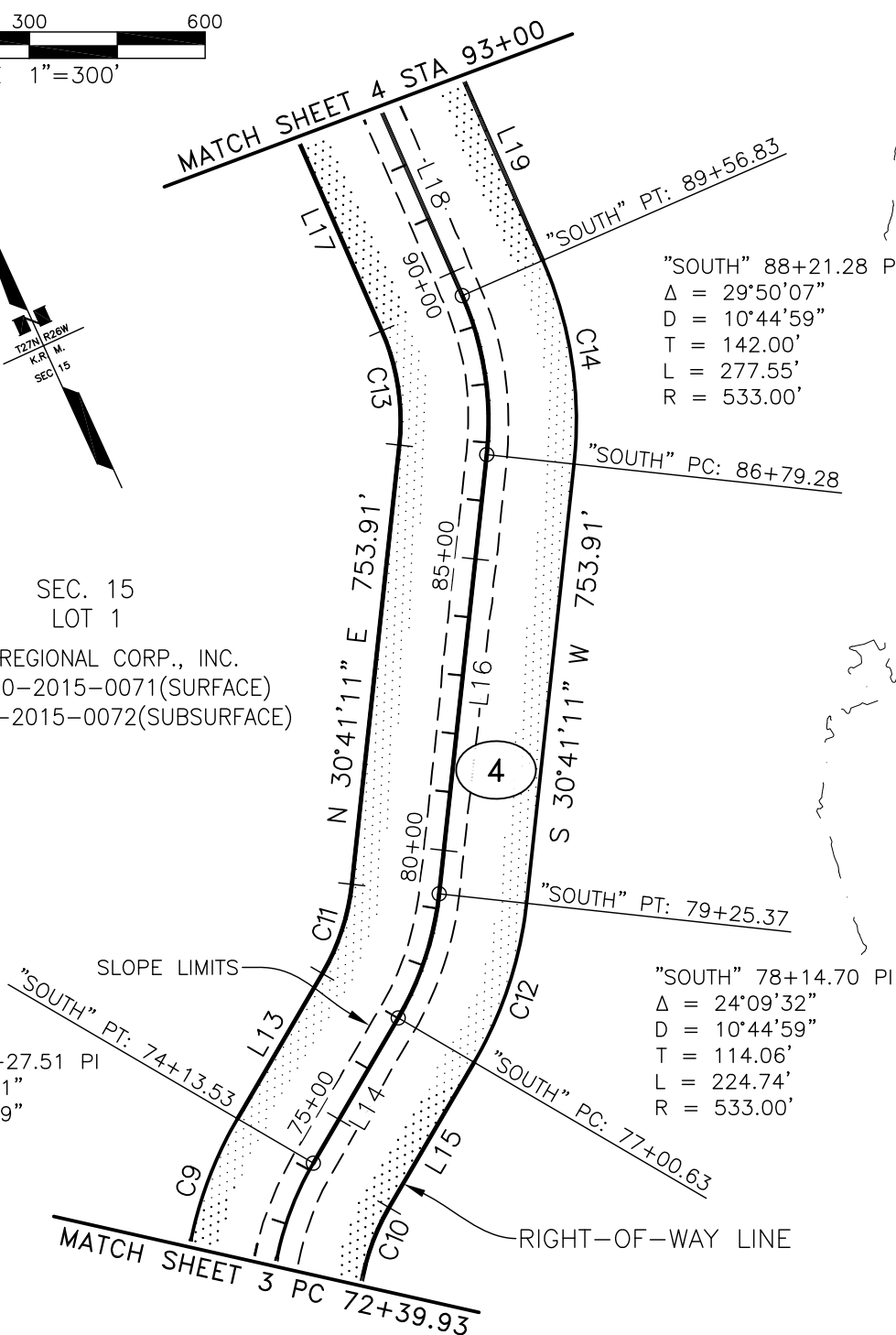


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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		RIGHT OF WAY REQUIRED FOR KIVALINA EVACUATION AND SCHOOL SITE ACCESS ROAD	
_____	DRAWING	PROJECT NO. <u>0002384/NFHWHY00162</u>	
_____	DATE	AREA <u>37.864 AC.</u>	PARCEL NO. <u>4</u>
<u>2</u>	<u>OF</u>	SCALE <u>1" = 300'</u>	DATE <u>12/19/2018</u>



SEC. 15
LOT 1
NANA REGIONAL CORP., INC.
PATENT 50-2015-0071(SURFACE)
PATENT 50-2015-0072(SUBSURFACE)



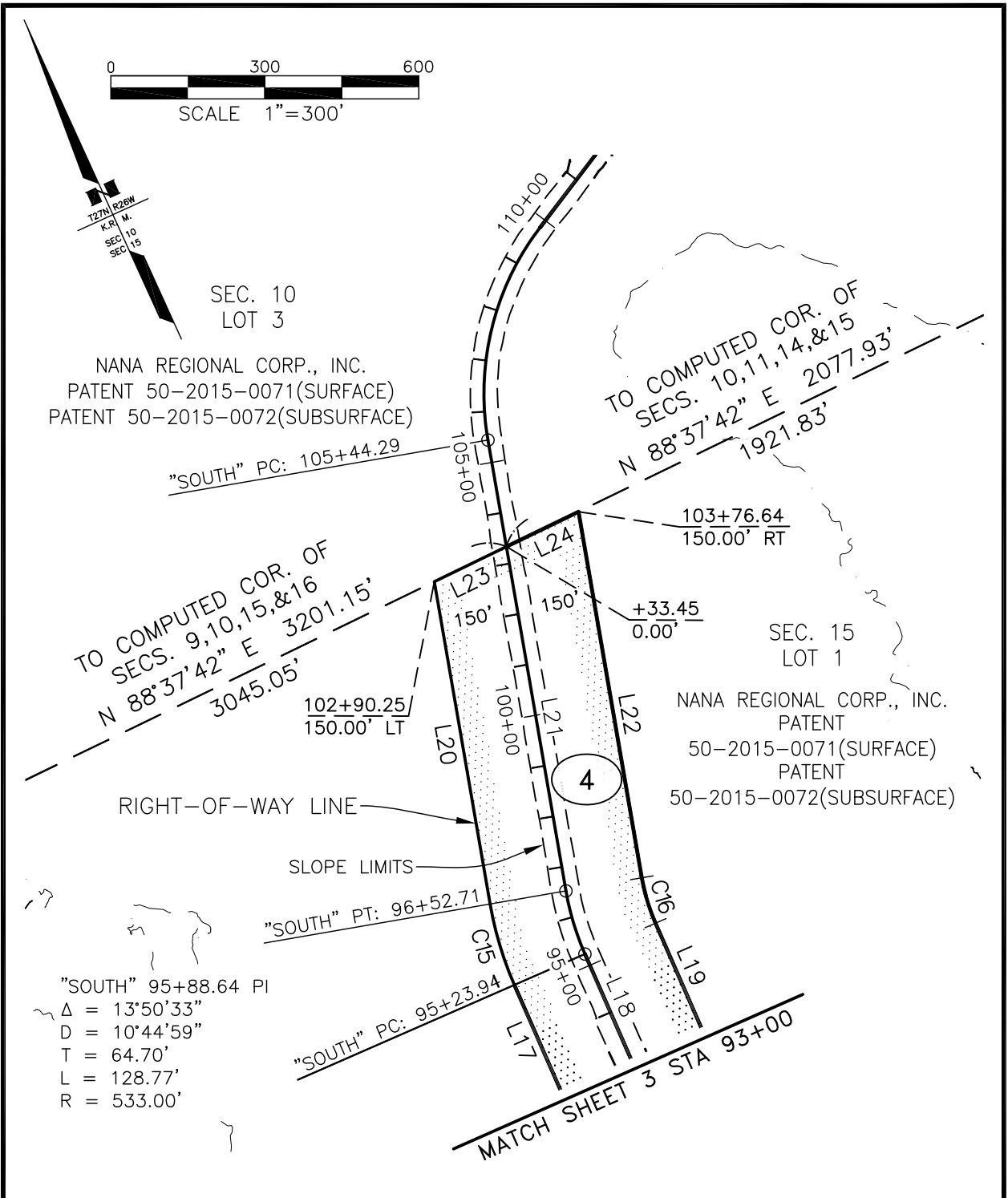
"SOUTH" 73+27.51 PI
 $\Delta = 18^{\circ}39'41''$
 $D = 10^{\circ}44'59''$
 $T = 87.58'$
 $L = 173.60'$
 $R = 533.00'$

"SOUTH" 88+21.28 PI
 $\Delta = 29^{\circ}50'07''$
 $D = 10^{\circ}44'59''$
 $T = 142.00'$
 $L = 277.55'$
 $R = 533.00'$

"SOUTH" 78+14.70 PI
 $\Delta = 24^{\circ}09'32''$
 $D = 10^{\circ}44'59''$
 $T = 114.06'$
 $L = 224.74'$
 $R = 533.00'$

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		RIGHT OF WAY REQUIRED FOR KIVALINA EVACUATION AND SCHOOL SITE ACCESS ROAD	
DRAWING		PROJECT NO. 0002384/NFHWHY00162	
3 OF 5		AREA 37.864 AC.	PARCEL NO. 4
INITIAL	DATE	SCALE 1" = 300'	DATE 12/19/2018

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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		RIGHT OF WAY REQUIRED FOR KIVALINA EVACUATION AND SCHOOL SITE ACCESS ROAD	
_____	DRAWING	PROJECT NO. <u>0002384/NFHWHY00162</u>	
_____	4 OF 5	AREA <u>37.864 AC.</u>	PARCEL NO. <u>4</u>
INITIAL	DATE	SCALE <u>1" = 300'</u>	DATE <u>12/19/2018</u>

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CURVE DATA						LINE DATA		
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C#	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH	L#	BEARING	DISTANCE
C1	32°41'06"	733.47'	418.42'	S 77°21'03" E	412.77'	L1	S 61°00'30" E	32.34'
C2	29°35'33"	583.47'	301.35'	S 75°48'16" E	298.02'	L2	S 61°00'30" E	32.34'
C3	67°55'53"	733.00'	869.06'	S 85°01'34" W	819.05'	L3	N 61°00'30" W	32.34'
C4	67°55'53"	433.00'	513.38'	N 85°01'34" E	483.83'	L4	N 51°03'37" E	272.87'
C5	48°14'37"	383.00'	322.49'	N 26°56'18" E	313.05'	L5	N 51°03'37" E	272.87'
C6	48°14'37"	683.00'	575.09'	S 26°56'18" W	558.25'	L6	S 51°03'37" W	272.87'
C7	33°22'02"	683.00'	397.76'	N 19°30'01" E	392.16'	L7	N 2°49'00" E	165.22'
C8	33°22'02"	383.00'	223.05'	S 19°30'01" W	219.91'	L8	N 2°49'00" E	165.22'
C9	18°39'41"	683.00'	222.45'	N 45°30'52" E	221.47'	L9	S 2°49'00" W	165.22'
C10	18°39'41"	383.00'	124.74'	S 45°30'52" W	124.19'	L10	N 36°11'02" E	221.51'
C11	24°09'32"	383.00'	161.49'	N 42°45'57" E	160.30'	L11	N 36°11'02" E	221.51'
C12	24°09'32"	683.00'	287.99'	S 42°45'57" W	285.86'	L12	S 36°11'02" W	221.51'
C13	29°50'07"	383.00'	199.44'	N 15°46'08" E	197.19'	L13	N 54°50'43" E	287.10'
C14	29°50'07"	683.00'	355.66'	S 15°46'08" W	351.65'	L14	N 54°50'43" E	287.10'
C15	13°50'33"	683.00'	165.01'	N 7°46'21" E	164.61'	L15	S 54°50'43" W	287.10'
C16	13°50'33"	383.00'	92.53'	S 7°46'21" W	92.31'	L16	N 30°41'11" E	753.91'

MEANDER LINE DATA

M#	BEARING	DISTANCE
M1	N 35°02'56" W	59.38'
M2	N 52°02'25" W	165.83'
M3	N 43°44'32" W	74.29'
M4	N 15°28'48" W	154.10'

L17	N 0°51'04" E	567.11'
L18	N 0°51'04" E	567.11'
L19	S 0°51'04" W	567.11'
L20	N 14°41'37" E	637.54'
L21	N 14°41'37" E	680.74'
L22	S 14°41'37" W	723.93'
L23	N 88°37'42" E	156.10'
L24	N 88°37'42" E	156.10'

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	RIGHT OF WAY REQUIRED FOR KIVALINA EVACUATION AND SCHOOL SITE ACCESS ROAD
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DRAWING	PROJECT NO. <u>0002384/NFHWHY00162</u>
5 OF 5	AREA <u>37.864 AC.</u> PARCEL NO. <u>4</u>
INITIAL _____ DATE _____	SCALE <u>NA</u> DATE <u>12/19/2018</u>