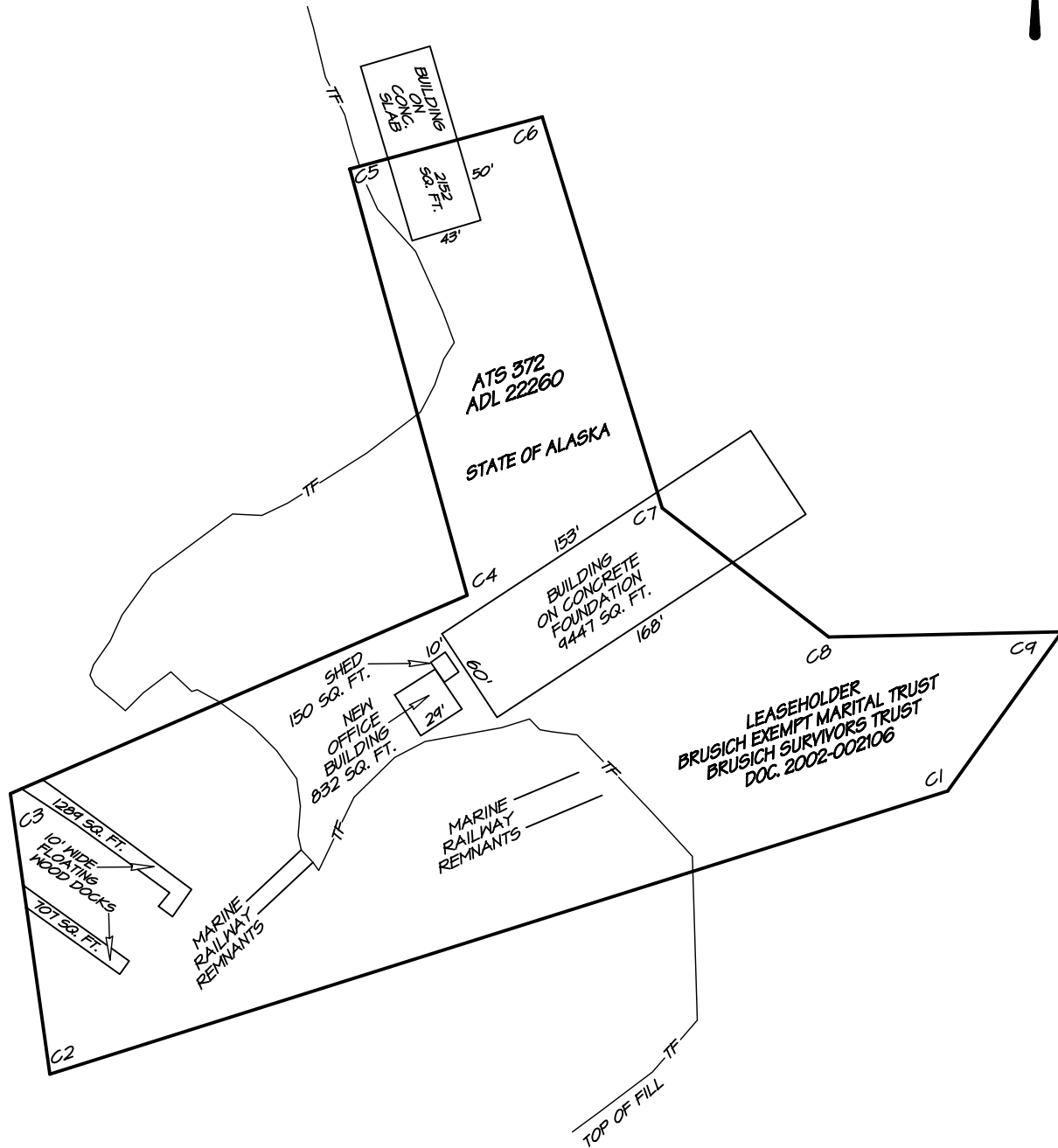


ATS 372 ADL 22260 IMPROVEMENTS



THIS SKETCH WAS PREPARED IN RESPONSE TO AN EMAIL FROM KAITLYN RAFFIER, DNR REQUEST FOR ADDITIONAL INFORMATION FOR ADL 109009

DATE PREPARED:
APRIL .21, 2020

APPLICANTS NAME:
LAURA HENTHORNE
dba AIR MARINE HARBOR

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER

LEASE SKETCH OF IMPROVEMENTS WITHIN ATS 372

SECTION 33, T.74 S., R. 90 E., CRM, AK.

SCALE 1" = 100'

FILLED TIDELANDS

SHEET 1 OF 6

KETCHIKAN, AK.

WM. NIELSON LAND SURVEYOR 9685
PO BOX 9359 KETCHIKAN, AK. 99901
(907) 821-8205

Wm. Nielson
PO Box 9359
Ketchikan, Ak.
907 821-8205

BUILDING 1 ATS 372

Wednesday, April 22, 2020 12:53:39 PM

PROJECT: Documents\Surveys\dell backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

DESCRIPTION		CURVE DATA	STATION	NORTH	EAST	ELEV
		BEARING	DISTANCE			

INVERSE PLINE						
PLINE POINT			0+00.00	1309594.4859	3085842.3591	
		S33 23'01"E	59.70ft			
PLINE POINT			0+59.70	1309544.6322	3085875.2110	
		N56 39'46"E	167.89ft			
		90 02'46" AR				
PLINE POINT			2+27.60	1309636.9004	3086015.4770	
		N52 15'04"W	53.03ft			
		71 05'11" AR				
PLINE POINT			2+80.63	1309669.3670	3085973.5444	
		N17 02'39"W	9.98ft			
		215 12'25" AR				
PLINE POINT			2+90.61	1309678.9043	3085970.6205	
		S56 38'53"W	153.55ft			
		73 41'32" AR				
PLINE POINT			4+44.15	1309594.4859	3085842.3591	

444.15ft TOTAL PERIMETER

AREA: 9446.58 Sq. Ft. 0.2169 Acres

Wm. Nielson
PO Box 9359
Ketchikan, Ak.
907 821-8205

BUILDING 2 ATS 372

Wednesday, April 22, 2020 12:54:37 PM

PROJECT: Documents\Surveys\dell backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

DESCRIPTION	CURVE DATA	STATION	NORTH	EAST	ELEV
	BEARING	DISTANCE			

INVERSE PLINE					
PLINE POINT		0+00.00	1309877.5063	3085810.1850	
	N74 52'42"E	42.77ft			
PLINE POINT		0+42.77	1309888.6637	3085851.4738	
	S16 16'12"E	49.89ft			
	268 51'06" AR				
PLINE POINT		0+92.65	1309840.7762	3085865.4499	
	S73 27'46"W	42.60ft			
	269 43'58" AR				
PLINE POINT		1+35.25	1309828.6519	3085824.6165	
	N16 27'25"W	50.94ft			
	270 04'49" AR				
PLINE POINT		1+86.19	1309877.5063	3085810.1850	

			186.19ft TOTAL PERIMETER		
AREA: 2151.51 Sq. Ft. 0.0494 Acres					

Wm. Nielson
PO Box 9359
Ketchikan, Ak.
907 821-8205

FLOATING DOCK 1 ATS 372

Wednesday, April 22, 2020 12:49:34 PM

PROJECT: Documents\Surveys\dell backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

-----		STATION	NORTH	EAST	ELEV
DESCRIPTION	CURVE DATA BEARING	DISTANCE			

INVERSE PLINE					
PLINE POINT		0+00.00	1309444.5979	3085593.0152	
	S54 27'15"E	77.50ft			
PLINE POINT		0+77.50	1309399.5412	3085656.0753	
	S35 11'41"W	9.68ft			
	269 38'55" AR				
PLINE POINT		0+87.19	1309391.6271	3085650.4937	
	N54 28'12"W	68.34ft			
	270 20'07" AR				
PLINE POINT		1+55.53	1309431.3413	3085594.8780	
	N7 59'55"W	13.39ft			
	226 28'17" AR				
PLINE POINT		1+68.91	1309444.5979	3085593.0152	

		168.91ft TOTAL PERIMETER			
AREA: 706.92 Sq. Ft. 0.0162 Acres					

Wm. Nielson
PO Box 9359
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907 821-8205

FLOATING DOCK 2 ATS 372

Wednesday, April 22, 2020 12:50:44 PM

PROJECT: Documents\Surveys\dell backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

-----		STATION	NORTH	EAST	ELEV
DESCRIPTION	CURVE DATA BEARING	DISTANCE			

INVERSE PLINE					
PLINE POINT		0+00.00	1309507.5156	3085604.4958	
	S53 38'17"E	110.20ft			
PLINE POINT		1+10.20	1309442.1787	3085693.2397	
	S34 59'17"W	19.75ft			
	268 37'34" AR				
PLINE POINT		1+29.95	1309425.9988	3085681.9155	
	N53 51'13"W	10.33ft			
	271 09'31" AR				
PLINE POINT		1+40.28	1309432.0937	3085673.5716	
	N39 04'37"E	10.45ft			
	272 55'50" AR				
PLINE POINT		1+50.74	1309440.2078	3085680.1603	
	N54 56'05"W	107.71ft			
	85 59'18" AR				
PLINE POINT		2+58.44	1309502.0868	3085592.0021	
	N66 30'51"E	13.62ft			
	301 26'56" AR				
PLINE POINT		2+72.07	1309507.5156	3085604.4958	

			272.07ft TOTAL PERIMETER		
AREA: 1289.16 Sq. Ft. 0.0296 Acres					

Wm. Nielson
PO Box 9359
Ketchikan, Ak.
907 821-8205

NEW OFFICE FOOTPRINT ATS 372

Wednesday, April 22, 2020 12:51:50 PM

PROJECT: Documents\Surveys\dell backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

-----		STATION	NORTH	EAST	ELEV
DESCRIPTION	CURVE DATA BEARING	DISTANCE			

INVERSE PLINE					
PLINE POINT		0+14.93	1309558.0371	3085814.1920	
	S32 34'57"E	28.90ft			
PLINE POINT		0+43.83	1309533.6858	3085829.7549	
	N57 01'25"E	29.24ft			
	89 36'22" AR				
PLINE POINT		0+73.07	1309549.5990	3085854.2811	
	N33 54'30"W	28.68ft			
	89 04'05" AR				
PLINE POINT		1+01.75	1309573.4053	3085838.2788	
	S57 27'39"W	28.57ft			
	91 22'09" AR				
PLINE POINT		1+30.32	1309558.0371	3085814.1920	

		115.39ft TOTAL PERIMETER			
AREA: 832.12 Sq. Ft. 0.0191 Acres					

Wm. Nielson SHED IN ATS 372
PO Box 9359
Ketchikan, Ak.
907 821-8205
Wednesday, April 22, 2020 12:53:06 PM

PROJECT: Documents\Surveys\dell backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

DESCRIPTION	CURVE DATA	STATION	NORTH	EAST	ELEV
	BEARING	DISTANCE			

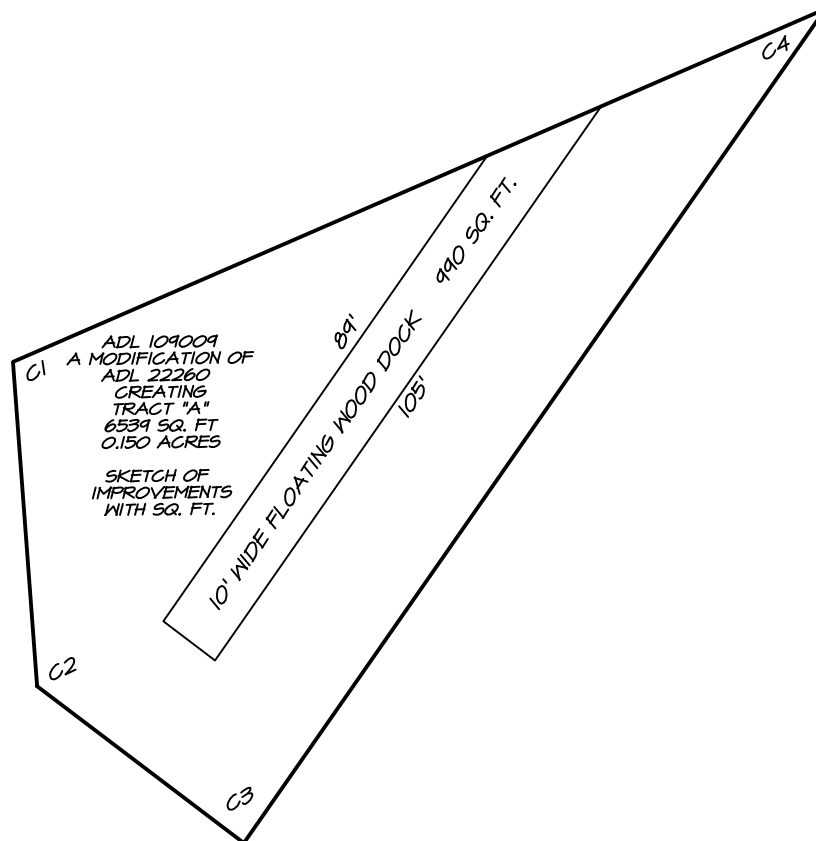
INVERSE PLINE					
PLINE POINT		0+00.00	1309577.3691	3085835.7482	
	N54 21'48"E	10.57ft			
PLINE POINT		0+10.57	1309583.5252	3085844.3353	
	S34 25'37"E	14.30ft			
	271 12'35" AR				
PLINE POINT		0+24.87	1309571.7297	3085852.4200	
	S54 40'36"W	10.56ft			
	269 06'13" AR				
PLINE POINT		0+35.43	1309565.6214	3085843.8002	
	N34 25'37"W	14.24ft			
	270 53'47" AR				
PLINE POINT		0+49.67	1309577.3691	3085835.7482	

			49.67ft TOTAL PERIMETER		
AREA: 150.75 Sq. Ft. 0.0035 Acres					

BEGINNING AT CORNER 1 OF TRACT "A" ALSO BEING CORNER 4 OF ATS 76, VOLUME 1 OF PLATS, PACKET 33, KETCHIKAN RECORDING DISTRICT FROM WHICH BEARS THE AUXILIARY MEANDER CORNER MONUMENT FOR LOT 5, USS 3696, BEING A 3 1/2" DIAMETER BLM BRASS CAP MARKED PER USS 3696, S20°21'10"W 858.64'.

THENCE, S04°15'00"E 50.83' TO CORNER 2 OF TRACT "A". THENCE, S52°49'00"E 40.54' TO CORNER 3 OF TRACT "A". THENCE, N34°53'00"E 158.88' TO THE SOUTH LINE OF ATS 76, VOLUME 1 OF PLATS, PACKET 33 IN THE KETCHIKAN RECORDING DISTRICT BEING CORNER 4 OF TRACT "A" THENCE, ALONG SAID SOUTH LINE S66°31'00"W 138.39' TO THE POINT OF BEGINNING.

CONTAINING 6539 SQUARE FEET, MORE OR LESS



THIS SKETCH WAS PREPARED IN RESPONSE TO AN EMAIL FROM KAITLYN RAFFIER, DNR REQUEST FOR ADDITIONAL INFORMATION FOR ADL 109009

WM. NIELSON LAND SURVEYOR 9685
PO BOX 9359 KETCHIKAN, AK. 99901
(907) 821-8205

DATE PREPARED: APRIL .21, 2020	APPLICANTS NAME: LAURA HENTHORNE dba AIR MARINE HARBOR
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER	
LEASE IMPROVEMENT SKETCH WITH SQ. FT.	
SECTION 33, T.74 S., R. 90 E., CRM, AK.	
SCALE 1" = 30'	FILLED TIDELANDS
SHEET 2 OF 6	KETCHIKAN, AK.

Wm. Nielson
PO Box 9359
Ketchikan, Ak.
907 821-8205

FLOATING DOCK TRACT A

Tuesday, April 21, 2020 11:10:20 AM

PROJECT: Documents\Surveys\dell backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

		STATION	NORTH	EAST	ELEV
DESCRIPTION	CURVE DATA BEARING	DISTANCE			

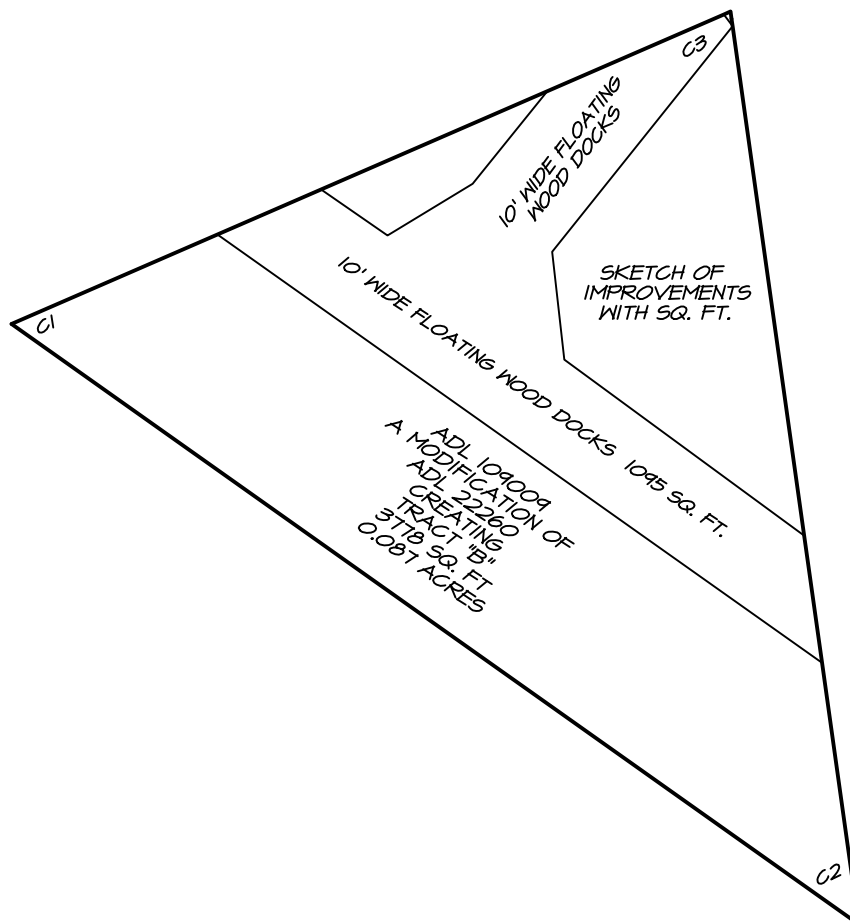
INVERSE PLINE					
PLINE POINT		0+00.00	1309416.2949	3088104.8480	
	S34 49'40"W	88.61ft			
PLINE POINT		0+88.61	1309343.5608	3088054.2441	
	S52 48'48"E	10.14ft			
	92 21'32" AR				
PLINE POINT		0+98.75	1309337.4323	3088062.3220	
	N34 52'29"E	105.57ft			
	87 41'17" AR				
PLINE POINT		2+04.32	1309424.0454	3088122.6872	
	S66 31'00"W	19.45ft			
	31 38'31" AR				
PLINE POINT		2+23.77	1309416.2949	3088104.8480	

			223.77ft TOTAL PERIMETER		
AREA: 987.45 Sq. Ft. 0.0227 Acres					

COMMENCING AT CORNER C3 OF ATS 372 AS DESCRIBED IN DEED DOCUMENT 2002-002106 KETCHIKAN RECORDING DISTRICT, BEING A POINT ON THE SOUTHERLY BOUNDARY LINE OF ATS 76, VOLUME 1 OF PLATS, PACKET 33, KETCHIKAN RECORDING DISTRICT. THENCE S66°31'00"W 81.66' ALONG THE SOUTH BOUNDARY OF ATS 76 TO CORNER 1 OF TRACT "B" BEING THE TRUE POINT OF BEGINNING, FROM WHICH BEARS THE AUXILIARY MEANDER CORNER, LOT 5, USS 3696, A 3 1/2" DIAMETER BRASS CAP IN A MASS OF CONCRETE SET IN BEDROCK MARKED PER USS 3696, S28°13'12"W 999.35'.

THENCE, S54°41'00"E 108.16" TO THE WEST LINE OF ATS 372, BEING CORNER 2 OF TRACT "B". THENCE, N08°00'00"W 96.00' ALONG SAID WEST LINE TO THE SOUTH BOUNDARY LINE OF ATS 76, BEING CORNER 3 OF TRACT "B". THENCE, ALONG THE SOUTH BOUNDARY LINE OF ATS 76, S66°31'00"W 81.66' TO THE POINT OF BEGINNING

CONTAINING 3778 SQUARE FEET, MORE OR LESS



THIS SKETCH WAS PREPARED IN RESPONSE TO AN EMAIL FROM KAITLYN RAFFIER, DNR REQUEST FOR ADDITIONAL INFORMATION FOR ADL 109009

WM. NIELSON LAND SURVEYOR 9685
PO BOX 9359 KETCHIKAN, AK. 99901
(907) 821-8205

DATE PREPARED: APRIL .21, 2020	APPLICANTS NAME: LAURA HENTHORNE dba AIR MARINE HARBOR
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER	
LEASE IMPROVEMENT SKETCH WITH SQ. FT.	
SECTION 33, T.74 S., R. 90 E., CRM, AK.	
SCALE 1" = 20'	FILLED TIDELANDS
SHEET 3 OF 6	KETCHIKAN, AK.

Wm. Nielson
PO Box 9359
Ketchikan, Ak.
907 821-8205

FLOATING DOCK TRACT B

Tuesday, April 21, 2020 11:07:05 AM

PROJECT: Documents\Surveys\del1 backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

DESCRIPTION	CURVE DATA	STATION	NORTH	EAST	ELEV
	BEARING	DISTANCE			

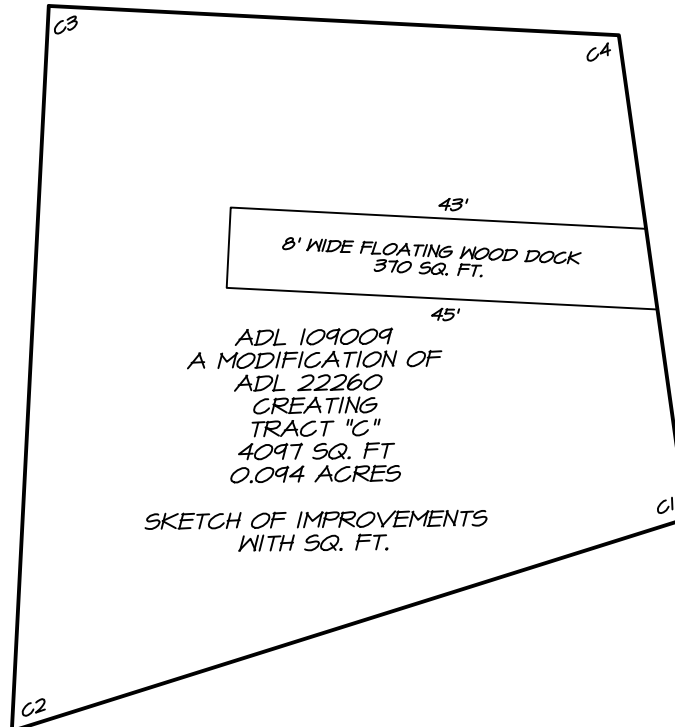
INVERSE PLINE					
PLINE POINT		0+00.00	1309483.9325	3088260.5178	
	S38 54'36"W	12.41ft			
PLINE POINT		0+12.41	1309474.2784	3088252.7251	
	S58 44'31"W	10.37ft			
	199 49'55" AR				
PLINE POINT		0+22.78	1309468.8982	3088243.8616	
	N55 21'22"W	8.42ft			
	245 54'07" AR				
PLINE POINT		0+31.20	1309473.6852	3088236.9338	
	S66 30'54"W	11.77ft			
	121 52'16" AR				
PLINE POINT		0+42.96	1309468.9956	3088226.1407	
	S54 40'48"E	77.19ft			
	58 48'18" AR				
PLINE POINT		1+20.16	1309424.3682	3088289.1237	
	N7 59'55"W	13.39ft			
	46 40'53" AR				
PLINE POINT		1+33.54	1309437.6248	3088287.2609	
	N53 43'19"W	30.99ft			
	134 16'36" AR				
PLINE POINT		1+64.53	1309455.9608	3088262.2795	
	N6 28'08"W	11.31ft			
	227 15'12" AR				
PLINE POINT		1+75.84	1309467.1968	3088261.0055	
	N38 40'23"E	30.09ft			
	225 08'30" AR				
PLINE POINT		2+05.92	1309490.6851	3088279.8050	
	N36 36'32"W	1.53ft			
	104 43'05" AR				
PLINE POINT		2+07.46	1309491.9157	3088278.8909	
	S66 30'54"W	20.03ft			
	103 07'26" AR				
PLINE POINT		2+27.49	1309483.9325	3088260.5178	

227.49ft TOTAL PERIMETER
AREA: 1094.67 Sq. Ft. 0.0251 Acres

COMMENCING AT CORNER 1 OF TRACT A, ATS 306, VOLUME 1 OF PLATS, PACKET III, KETCHIKAN RECORDING DISTRICT, MARKED BY A 5/8" DIAMETER REBAR WITH A 2" DIAMETER ALUMINUM R&M ENGINEERING CAP STAMPED LS 1213 1996. THENCE, ALONG THE EAST BOUNDARY LINE OF TRACT A, ATS 306, BEING THE COMMON BOUNDARY LINE WITH TRACT B, ATS 306, NOB°00'00"W 158.00' TO CORNER 4, TRACT A, ATS 306 ALSO BEING CORNER 1 OF ADL 22260 MODIFICATION TRACT "C", THE TRUE POINT OF BEGINNING, CROSSING OVER CORNER 2 OF ATS 117, VOLUME 1 OF PLATS, PACKET 47, KETCHIKAN RECORDING DISTRICT AT A DISTANCE OF 83.73';

THENCE, S12°32'00"W 73.71' ALONG THE NORTH BOUNDARY OF TRACT A, ATS 306 TO CORNER 2 OF TRACT "C". THENCE, N02°55'32"E 75.64" TO CORNER 3 OF TRACT "C". THENCE, S87°03'09"E 59.46' TO THE WEST BOUNDARY LINE OF ATS 117, BEING CORNER 4 OF TRACT "C". THENCE, ALONG THE WEST BOUNDARY LINE OF ATS 117, S08°00'00"E 50.85' TO THE POINT OF BEGINNING

CONTAINING 4097 SQUARE FEET, MORE OR LESS



THIS SKETCH WAS PREPARED IN RESPONSE TO AN EMAIL FROM KAITLYN RAFFIER, DNR REQUEST FOR ADDITIONAL INFORMATION FOR ADL 109009

WM. NIELSON LAND SURVEYOR 9685
PO BOX 9359 KETCHIKAN, AK. 99901
(907) 821-8205

DATE PREPARED:
APRIL .21, 2020

APPLICANTS NAME:
LAURA HENTHORNE
dba AIR MARINE HARBOR

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER

LEASE IMPROVEMENT DIAGRAM WITH SQ. FT.

SECTION 33, T.74 S., R. 90 E., CRM, AK.

SCALE 1" = 20'

FILLED TIDELANDS

SHEET 4 OF 6

KETCHIKAN, AK.

Wm. Nielson
PO Box 9359
Ketchikan, Ak.
907 821-8205

FLOATING DOCK TRACT C

Tuesday, April 21, 2020 11:14:05 AM

PROJECT: Documents\Surveys\dell backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

DESCRIPTION	CURVE DATA	STATION	NORTH	EAST	ELEV
	BEARING	DISTANCE			

INVERSE PLINE					
PLINE POINT		0+00.00	1309286.2863	3085615.2607	
	N87 03'09"W	43.32ft			
PLINE POINT		0+43.32	1309288.5137	3085572.0009	
	S2 55'32"W	8.39ft			
	89 58'41" AR				
PLINE POINT		0+51.70	1309280.1395	3085571.5730	
	S87 07'35"E	44.92ft			
	89 56'53" AR				
PLINE POINT		0+96.63	1309277.8873	3085616.4409	
	N7 59'55"W	8.48ft			
	79 07'40" AR				
PLINE POINT		1+05.11	1309286.2863	3085615.2607	

			105.11ft TOTAL PERIMETER		
AREA: 368.70 Sq. Ft. 0.0085 Acres					

BEGINNING AT CORNER 1 OF TRACT "D" ALSO BEING CORNER 1 OF ATS 117, VOLUME 1 OF PLATS, PACKET 47, KETCHIKAN RECORDING DISTRICT FROM WHICH BEARS THE WITNESS CORNER FOR MEANDER CORNER 9, USS 1923, BEING A 1" DIAMETER IRON POST WITH A 3" DIAMETER GLO BRASS CAP, S02°19'15"W 512.63'.

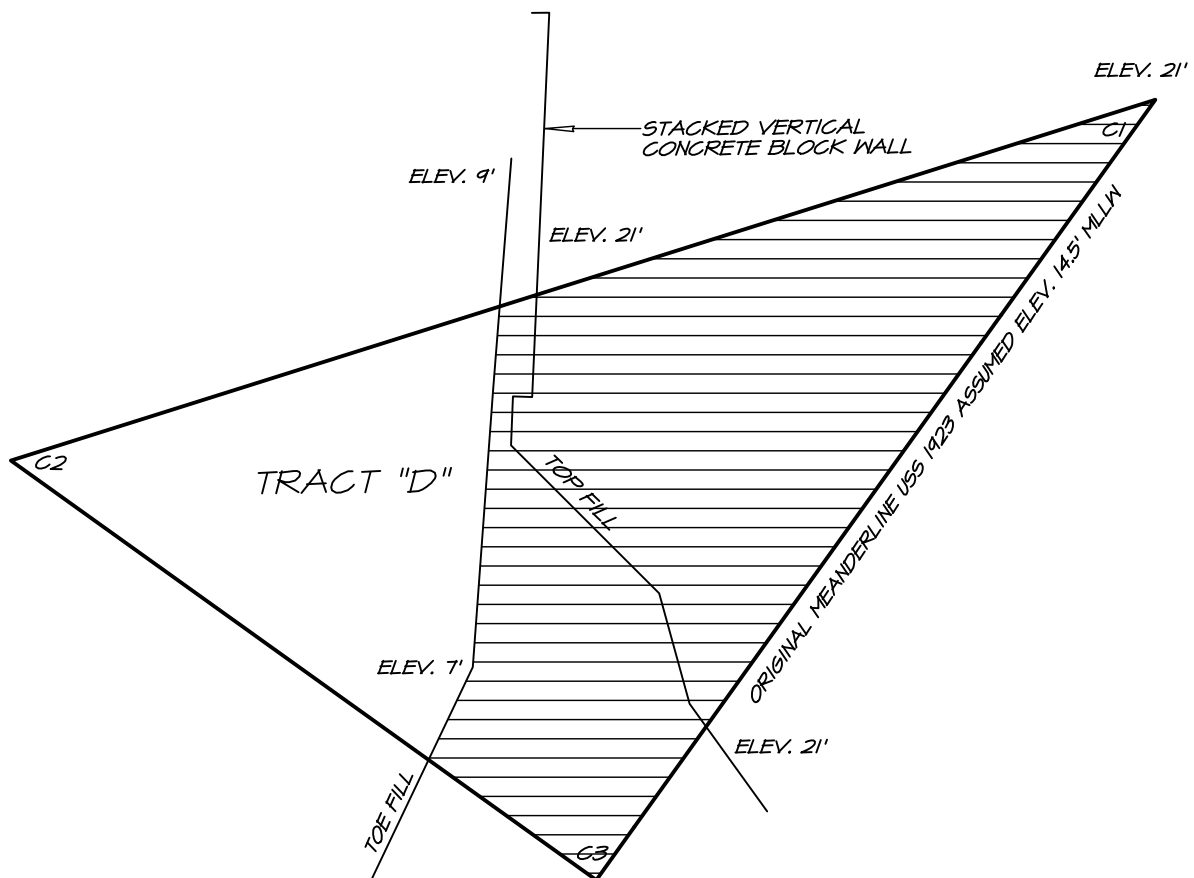
THENCE, ALONG THE SOUTHERLY BOUNDARY OF ATS 117, S72°30'00"W 125.00' TO CORNER 2 OF TRACT "D". THENCE, S54°22'41"E 75.00' TO THE LINE OF MEAN HIGH WATER AS DETERMINED BY USS 1923, BEING CORNER 3 OF TRACT "D". THENCE, ALONG THE LINE OF MEAN HIGH WATER PER USS 1923, OVER THE ARTIFICIALLY CHANGED SHORE TO THE POINT OF BEGINNING.

CONTAINING 3750 SQUARE FEET, MORE OR LESS

ADL 109009
A MODIFICATION OF
ADL 22260
CREATING
TRACT "D"
3750 SQ. FT
0.086 ACRES



SKETCH OF ESTIMATED FILL
700 CU. YDS.



THIS SKETCH WAS PREPARED IN RESPONSE TO AN EMAIL FROM KAITLYN RAFFIER, DNR REQUEST FOR ADDITIONAL INFORMATION FOR ADL 109009

ESTIMATE OF FILL (700 CU. YD.) CALCULATED USING TRIMBLE TERRAMODEL DTM SURFACE TO SURFACE METHOD (SEE PRINT OUT VOLUME REPORT)

WM. NIELSON LAND SURVEYOR 9685
PO BOX 9359 KETCHIKAN, AK. 99901
(907) 821-8205

DATE PREPARED: APRIL .21, 2020	APPLICANTS NAME: LAURA HENTHORNE dba AIR MARINE HARBOR
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER	
LEASE SKETCH OF ESTIMATED FILL WITHIN TR. D	
SECTION 33, T.74 S., R. 90 E., CRM, AK.	
SCALE 1" = 20'	FILLED TIDELANDS
SHEET 6 OF 6	KETCHIKAN, AK.

SURFACE TO SURFACE VOLUME REPORT

William Nielson LS
PO Box 9359
Ketchikan, AK
907 821-8205

ESTIMATE OF FILL IN TRACT D ADL109009

Project: E:\Surveys\dell backup\2020\HENTHORNE\DEVELOPMENT PLAN TRUE.pro
Report Generated: Wednesday, April 22, 2020 9:22:02 AM

Where the second surface is above the first the volume is reported as fill.
Where the second surface is below the first the volume is reported as
excavation.

Shrinkage/swell factors:	Excavation	1.0000	Fill	1.0000
First Surface	Number	Second Surface	Number	
Layer Name	of Points	Layer Name	of Points	
-----	-----	-----	-----	
FILL GROUND TR D	13	ORIGINAL GROUND	19	

Volume limited to that within the constraining boundary - Object 6964
Area within boundary: 3,750.28 Sq. Ft. (0.0861 Acres)
Total triangulated area: 2,633.84 Sq. Ft. (0.0605 Acres)

Excavation Volume (Cu. Yd.)	Fill Volume (Cu. Yd.)
-----	-----
0.0	703.3 (ESTIMATE ONLY)

Net Difference: 703.3 Cu. Yd. Borrow

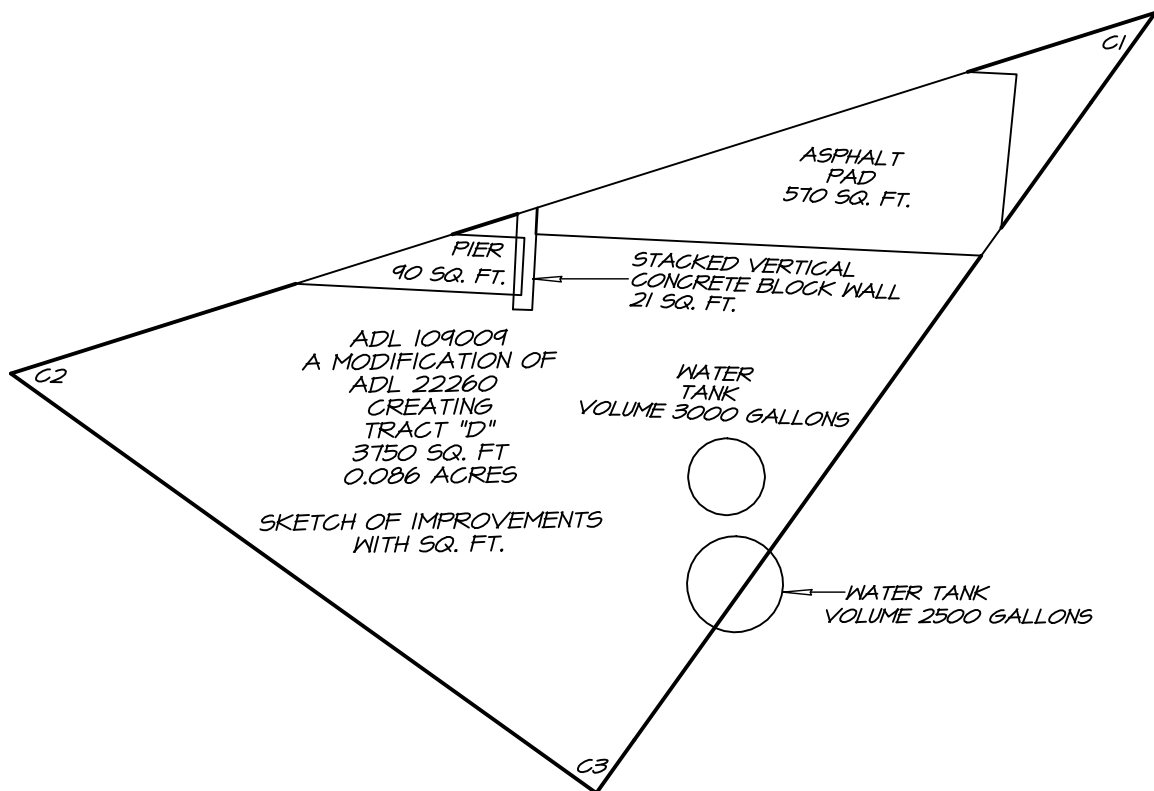
THIS ESTIMATE IS BASED ON:

1. THE ORIGINAL MEANDERLINE BEING AN ELEVATION OF 14.5' MLLW.
2. TRACT PAD IS BUILT TO AN ELEVATION OF 21' MLLW.

BEGINNING AT CORNER 1 OF TRACT "D" ALSO BEING CORNER 1 OF ATS 117, VOLUME 1 OF PLATS, PACKET 47, KETCHIKAN RECORDING DISTRICT FROM WHICH BEARS THE WITNESS CORNER FOR MEANDER CORNER 9, USS 1923, BEING A 1" DIAMETER IRON POST WITH A 3" DIAMETER GLO BRASS CAP, S02°19'15"W 512.63'.

THENCE, ALONG THE SOUTHERLY BOUNDARY OF ATS 117, S72°30'00"W 125.00' TO CORNER 2 OF TRACT "D". THENCE, S54°22'41"E 75.00' TO THE LINE OF MEAN HIGH WATER AS DETERMINED BY USS 1923, BEING CORNER 3 OF TRACT "D". THENCE, ALONG THE LINE OF MEAN HIGH WATER PER USS 1923, OVER THE ARTIFICIALLY CHANGED SHORE TO THE POINT OF BEGINNING.

CONTAINING 3750 SQUARE FEET, MORE OR LESS



THIS SKETCH WAS PREPARED IN RESPONSE TO AN EMAIL FROM KAITLYN RAFFIER, DNR REQUEST FOR ADDITIONAL INFORMATION FOR ADL 109009

WM. NIELSON LAND SURVEYOR 9685
PO BOX 9359 KETCHIKAN, AK. 99901
(907) 821-8205

DATE PREPARED: APRIL .21, 2020	APPLICANTS NAME: LAURA HENTHORNE dba AIR MARINE HARBOR
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND & WATER	
LEASE IMPROVEMENT SKETCH WITH SQ. FT.	
SECTION 33, T.74 S., R. 90 E., CRM, AK.	
SCALE 1" = 20'	FILLED TIDELANDS
SHEET 5 OF 6	KETCHIKAN, AK.

PORTION OF ASPHALT PAD WITHIN TRACT D

PROJECT: Documents\Surveys\del backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

121.05ft TOTAL PERIMETER

AREA: 566.55 Sq. Ft. 0.0130 Acres

PORTION OF CONCRETE PIER WITHIN TRACT D

Tuesday, April 21, 2020 11:23:30 AM

PROJECT: Documents\Surveys\del backup\2018\HENTHORNE\DEVELOPMENT PLAN
TRUE.pro

CURVE DATA		STATION	NORTH	EAST	ELEV
DESCRIPTION	BEARING	DISTANCE			

INVERSE PLINE					
PLINE POINT		0+00.00	1309268.9304	3088620.1236	
	S87 13'55"E	7.51ft			
PLINE POINT		0+07.51	1309268.5677	3088627.6265	
	S3 13'51"W	5.97ft			
	270 27'46" AR				
PLINE POINT		0+13.48	1309262.6042	3088627.2899	
	N87 08'08"W	23.53ft			
	269 38'01" AR				
PLINE POINT		0+37.01	1309263.7801	3088603.7894	
	N72 29'57"E	17.13ft			
	339 38'05" AR				
PLINE POINT		0+54.14	1309268.9304	3088620.1236	

54.14ft TOTAL PERIMETER					
AREA: 92.55 Sq. Ft. 0.0021 Acres					