CROWLEY | FLECK
ATTORNEYS

Casey A. Furey
100 West Broadway, Suite 250
P.O. Box 2798
Bismarck, ND 58502-2798
701.223.6585
cfurey@crowleyfleck.com

August 25, 2023

Via Electronic Mail & U.S. Mail

Mr. Steve Kahl
Executive Director
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, North Dakota 58505-0480
ndpsc@nd.gov

In re: Northern Divide Wind, LLC
Northern Divide Wind Energy Center
Northern Divide 345-kV Transmission Line
Case Nos. PU-19-376 & PU-19-377
Our File No. 035218-000045

Dear Mr. Kahl:

On behalf of Northern Divide Wind, LLC, please find enclosed for filing in Case Nos. PU-19-376 and PU-19-377 five copies of Northern Divide Wind, LLC's Final Tree and Shrub Mitigation Report.

Please feel free to contact me with any questions. Thank you.

Sincerely,

/s/ Casey A. Furey

Casey A. Furey

CAF/lh
Enc.

cc: Tracy Davis (via e-mail)

memo

To: Nic Dale, NextEra Energy Resources, LLC

From: Mary Rausch, Environmental Consulting & Technology, Inc.

CC: Brian Ortman, Environmental Consulting & Technology, Inc.

Date: August 18, 2023

Re: Northern Divide Tree and Shrub Mitigation Monitoring, Year 2
ECT Project No. 200363

The North Dakota Public Service Commission (PSC) approved the Tree and Shrub Mitigation Plan (Plan) on April 14, 2021. The Plan was filed by Environmental Consulting and Technology, Inc. (ECT) on behalf of Northern Divide Wind, LLC on March 23, 2021. As part of the approval, the PSC also granted a one-year extension for planting efforts due to the potential for 2021 to be a drought year ("Meeting Minutes from the April 14, 2021 North Dakota Public Service Commission Hearing" 2021). The North Dakota PSC required the Plan for the constructed Northern Divide Wind Energy Center – Burke County Siting Application Case No. PU-19-376 and the Northern Divide Wind, LLC 345 kilovolts (kV) Transmission Line – Burke and Mountrail Counties, Siting Application Case No. PU-19- 377.

The purpose of the Plan was to create sustainable plantings appropriate for the local growing conditions to provide long-term benefits to landowners, farmers, ranchers, community, wildlife, and the environment. The Plan was developed in consultation with impacted landowners and the local Soil Conservation District office in accordance with United States Department of Agriculture (USDA)-Natural Resources Conservation Service (NRCS)-North Dakota Field Office Technical Guide (FOTG): Windbreak and Woodland Tree Care and Management (USDA-NRCS 2011).

The North Dakota PSC required that, prior to the removal of any tree or shrub for construction, all trees with a diameter at breast height (DBH) larger than one inch be inventoried by recording the DBH, species, and location. This inventory was used to determine the proposed quantity, species, and locations for the Plan. Any species deemed to be noxious or invasive was replaced with a similar non-invasive, non-noxious species suitable for North Dakota growing conditions as recommended by the Burke County Soil Conservation District. The removed species were replaced with conservation-grade saplings and shrubs at least two years old at a 2:1 ratio.

During construction, Northern Divide Wind removed 5,072 trees and shrubs. Based upon the 2:1 ratio, 10,144 trees and shrubs were required to be planted. Environmental Consulting and Technology, Inc. (ECT) determined that planting a "buffer" of additional trees and shrubs was advisable in order to ensure adequate survival. ECT recommended planting an additional buffer of trees and shrubs, and a total of 10,900 trees and shrubs were planted in coordination with landowners and based on available stock from the NRCS office. The plantings took place in May 2021.

ECT staff conducted Year 2 monitoring on September 14-17, 2022. Monitoring was conducted via visual encounter surveys by assessing each plant to determine its health status (*i.e.*, fail or success). Health status was determined by foliage, a moist cambium layer, and signs of stress. *Table 1* shows the monitoring results from Years 1 and 2.

Table 1. Success of Tree and Shrub Plantings for Years 1 and 2

Landowner	**Date of Visit**	**Year 1 Success**	**Year 2 Success**	**Year 2 Total**	**Year 2 Percent Success**
Douglas Ness	09/15/2022	765	1,439	1,803	79.81
Darrell Dihle	09/16/2022	1,474	88	258	34.11
Alex Brodal	09/16/2022	1,719	1,633	1,926	84.79
Jeff Larson	09/17/2022	1,317	634	1,093	58.01
James Elsbernd	09/17/2022	1,260	1,044	1,512	69.05
Embarc Farm LLP	09/17/2022	688	311	1,195	26.03
Rodney Olsen	09/16/2022	367	224	432	51.85
LeRoy and Marcia Schroeder	09/15/2022	61	20	94	21.28
Brad Dibble	09/15/2022	143	61	222	27.48
Hank's Difficult Decisions	09/15/2022	86	0	88	0
Norman Westerness	09/15/2022	183	101	127	79.53
Linda and Owen Enget[a]	N/A	Not Counted	Not Counted	Not Counted	N/A
	Total	8,063	**5,555**	8,750	63.49
	Total Required by PSC			**10,144**	**54.76**

[a] No visual survey conducted during monitoring due to access issues.

Year 2 had a total of 8,750 trees and shrubs. The cumulative total for years one and two was 54.76% survivability.

Table 2 shows the 20-year mean (2001-2021) and the actual monthly precipitation amount from May to December 2021 for Crosby and Williston, ND acquired from the National Oceanic and Atmospheric Administration (NOAA) National Weather Service (NOAA, 2022). The Crosby, ND station was the nearest station northwest of the project area and the Williston, ND station was the nearest station southwest of the project area. The data from the two stations was averaged to more accurately represent the precipitation for the project area. Additionally, the difference between the 20-year means and the 2021 monthly data was calculated to show the precipitation deficit for the project area since the initial plantings in Year 1.

Table 2. 2021 Monthly Average and Actual Precipitation Amount (inches)

Month	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total Deficit
20-year Mean	2.23	3.02	1.99	1.60	1.68	1.08	0.46	0.50	
2021	2.02	3.33	1.31	1.19	0.33	0.90	0.18	0.80	
Difference	-0.21	0.31	-0.68	-0.41	-1.35	-0.18	-0.28	0.30	-2.50

Table 3 shows the 20-year mean (2002-2022) and the actual monthly precipitation amount this year (2022) from January to August for Crosby and Williston, ND (NOAA, 2022). The difference between the 20-year means and 2022 monthly data was calculated to show the current precipitation deficit for the project area in Year 2.

Table 3. 2022 Monthly Average and Actual Precipitation Amount (inches)

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total Deficit
20-year Mean	0.37	0.35	0.47	0.98	2.41	2.88	2.00	1.67	
2022	0.30	0.15	0.13	2.10	6.04	1.99	2.97	0.61	
Difference	-0.07	-0.20	-0.34	1.12	3.63	-0.89	0.97	-1.06	3.16

Northern Divide submits that the replanting effort has successfully achieved the purpose of Northern Divide's Mitigation Plan, in particular given the precipitation deficit that was experienced in the project area since the planting occurred.

To give the trees and shrubs a better chance of survival, ECT added supplemental nutrient - rich potting soil and a synthetic moisture retaining polymer around the roots, during the planting of each tree or shrub in Year 1 and Year 2. Landowners receiving trees and/or shrubs were advised to provide supplemental watering to increase survivability. Additionally, after the July 2021 precipitation data was reviewed, ECT conducted a supplemental watering effort for all plantings in August 2021, in an attempt to supplement the low precipitation experienced in Year 2.

References

"Meeting Minutes from the April 14, 2021 North Dakota Public Service Commission Hearing." 2021. Bismarck, ND. https://psc.nd.gov/public/meetings/minutes/2021/202104141000-minutes-regular-1.pdf.

NOAA. 2021. "NOAA- Online Weather Data." NOAA's National Weather Service. 2021. https://www.weather.gov/wrh/Climate?wfo=bis.

Northern Divide Wind, LLC. 2019a. "Tree and Shrub Mitigation Specifications- 200 MW Northern Divide Wind Energy Center-Burke." State of North Dakota Public Service Comission.

———. 2019b. "Tree and Shrub Mitigation Specifications- 345 KV Transmission Line-Burke Mountrail." State of North Dakota Public Service Comission.

USDA-NRCS. 2011. "Tree Care and Management." In *North Dakota NRCS Field Office Technical Guide*, 20. https://efotg.sc.egov.usda.gov/references/public/ND/Tree_Care_and_Management.pdf.

Attachment A

Planting Plans

Douglass Ness

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Douglas Ness | Address: 1905 2nd Avenue E, Williston, ND 58801 | Phone #: 612-501-6878 | Date: 3/12/2021

Plan Sketch Map

Quarter: SW 1/4 | Section: 5 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): Williams-Zahl loams, 3 to 6 percent slopes

Planned by: Reed Scott | Date: 3/12/2021

Approved by: | Date:

Conservation Tree & Shrub Group: 3

Select MLRA: 53B

Type of Planting: New

Landuse: Field

Program: None

Site Preparation: Tilled/Herbicide

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~165 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Planting area #1, row #9 total length: 240 ft; average spacing between each plant in the third row: 6 ft
Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	300		15	0.10	1	Lilac, Common			6		50		suitable	
	293				2	Lilac, Common			6.11		48		suitable	
	284				3	Buffaloberry			6.05		47		suitable	
	278				4	Buffaloberry			6.05		46		suitable	
	275				5	Buffaloberry			6.12		45		suitable	
	267				6	Buffaloberry			6.07		44		suitable	
	256				7	Buffaloberry			6.1		42		suitable	
	245				8	Buffaloberry			6.13		40		suitable	
	120				9	Lilac, Common			3.34		36		suitable	
	120				9	Lilac, Common			30		4		suitable	
	230				10	Lilac, Common			6.06		38		suitable	
	225				11	Lilac, Common			6.09		37		suitable	
	180				12				7.83		23		suitable	
3073			15	0.10	**Totals**						500			

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Douglas Ness | Address: 1905 2nd Avenue E, Williston, ND 58801 | Phone #: 612-501-6878 | Date: 3/12/2021

Plan Sketch Map

N

Quarter: NW 1/4 | Section: 8 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): lliams-Zahl-Parnell complex, 0 to 9 percent slo

Planned by: Reed Scott | Date: 3/12/2021

Approved by: | Date:

Conservation Tree & Shrub Group: 8K | Select MLRA: 53B

Type of Planting: New

Landuse: Field | Program: None

Site Preparation: Tilled/Herbicide | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~1120 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
2	208		15	0.07	1	Buffaloberry			6.12		34		suitable	
	205				2	Buffaloberry			6.03		34		suitable	
	205				3	Buffaloberry			6.03		34		suitable	
	208				4	Buffaloberry			6.12		34		suitable	
	209				5	Buffaloberry			6.15		34		suitable	
	207				6	Buffaloberry			6.09		34		suitable	
	205				7	Buffaloberry			6.03		34		suitable	
	205				8	Buffaloberry			6.03		34		suitable	
	205				9	Buffaloberry			6.03		34		suitable	
	206				10	Buffaloberry			6.03		35		suitable	
	204				11	Buffaloberry			6.03		34		suitable	
	204				12	Buffaloberry			6.15		34		suitable	
	205				13	Buffaloberry			6.22		33		suitable	
	206				14	Buffaloberry			6.25		33		suitable	
	208				15				6.31		33		suitable	
	3090		15	0.07		**Totals**					508			

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Douglas Ness | Address: 1905 2nd Avenue E, Williston, ND 58801 | Phone #: 612-501-6878 | Date: 3/12/2021

Plan Sketch Map

N

Quarter: SE 1/4 | Section: 8 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): Zahl-Williams loams, 9 to 15 percent slopes

Planned by: Reed Scott | Date: 3/12/2021

Approved | D

Conservation Tree & Shrub Group: 10 | Select MLRA: 53B

Type of Planting: New

Landuse: Field | Program: None

Site Preparation: Tilled/Herbicide | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~2700 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
4	720		20	0.33	1	Lilac, Common			6		120		NR	
720			20	0.33		**Totals**					120			

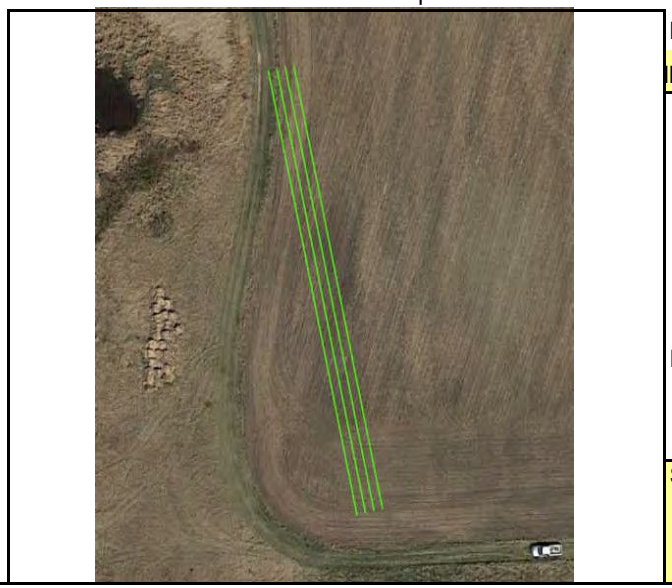
WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Douglas Ness | Address: 1905 2nd Avenue E, Williston, ND 58801 | Phone #: 612-501-6878 | Date: 3/12/2021

Plan Sketch Map



Quarter: SE 1/4 | Section: 8 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): lliams-Zahl-Parnell complex, 0 to 9 percent slo

Planned by: Reed Scott | Date: 3/12/2021

Approved by: | Date:

Conservation Tree & Shrub Group: 8K | Select MLRA: 53B

Type of Planting: New

Landuse: Field | Program: None

Site Preparation: Tilled/Herbicide | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~1900 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
3	296		15	0.10	1	Currant, Golden			6		50		suitable	
	296				2	Currant, Golden			6		50		suitable	
	296				3	Currant, Golden			6		50		suitable	
	296				4	Currant, Golden			6		50		suitable	
1184			15	0.10	**Totals**						200			

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Douglas Ness | Address: 1905 2nd Avenue E, Williston, ND 58801 | Phone #: 612-501-6878 | Date: 3/12/2021

Plan Sketch Map

Quarter: SE 1/4 | Section: 8 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): hl-Williams-Zahill complex, 6 to 9 percent slop

Planned by: Reed Scott | Date: 3/12/2021

Approved by: | Date:

Conservation Tree & Shrub Group: 8K | Select MLRA: 53B

Type of Planting: New

Landuse: Field | Program: None

Site Preparation: Fallow | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~3350 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Planting area #5, row #4 total length: 600 ft; average spacing between each plant in the third row: 6 ft
Planting area #5, row #5 total length: 600 ft; average spacing between each plant in the third row: 6 ft
Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
5	601		15	0.21	1	Currant, Golden			6.01		100		suitable	
	600				2	Currant, Golden			6		100		suitable	
	600				3	Buffaloberry			6.15		98		suitable	
	300				4	Lilac, Common			4.84		62		suitable	
	300				4	Buffaloberry			7.9		38		suitable	
	300				5	Currant, Golden			3.71		81		suitable	
	300				5	Buffaloberry			15.79		19		suitable	
	600				6	Lilac, Common			6		100		suitable	
3601		15	0.21			**Totals**					598			

WEST - TREEPLAN

Darrell Dihle

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Darrell Dihle | Address: 9651 94th Ave NW, Columbus ND 58727 | Phone #: 701-339-1410 | Date: 3/12/2021

Plan Sketch Map

N

Quarter: NE 1/4 | Section: 13 | Twnshp: 161N | Range: 94W

Planned Soil Mapunit / name component(s): ahl-Max-Parnell complex, 0 to 35 percent slope

Planned by: Reed Scott | Date: 3/12/2021

Approved by: | Date:

Conservation Tree & Shrub Group: 10

Select MLRA: 53B

Type of Planting: New

Landuse: Other

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~1341 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	688.2		15	0.24	1	Maple, Amur			6.1		113		NR	
	1273.7				2	Caragana			6.1		209		NR	
	1335.7				3	Buffaloberry			6.1		219		NR	
3297.6			15	0.24	**Totals**						541			

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Darrell Dihle | Address: 9651 94th Ave NW, Columbus ND 58727 | Phone #: 701-339-1410 | Date: 3/16/2021

Plan Sketch Map

N

Quarter: NE 1/4 | Section: 13 | Twnshp: 161N | Range: 94W

Planned Soil Mapunit / name component(s): ahl-Max-Parnell complex, 0 to 35 percent slope

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group: 8K | Select MLRA: 53B

Type of Planting: New

Landuse: Other | Program: None

Site Preparation: Fallow | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~356 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
2	1042.2		15	0.36	3	Buffaloberry			6		174		suitable	
	1002.5				2	Caragana			6.02		167		suitable	
	967.6				1	Maple, Amur			6.08		160		NR	
3012.3			15	0.36	**Totals**						501			

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Darrell Dihle | Address: 9651 94th Ave NW, Columbus ND 58727 | Phone #: 701-339-1410 | Date: 3/16/2021

Plan Sketch Map

N

Quarter: | Section: 13 | Twnshp: 161N | Range: 94W

Planned Soil Mapunit / name component(s): ahl-Max-Parnell complex, 0 to 35 percent slope

Planned by: Reed Scott Date: 3/16/2021

Approved by: Date:

Conservation Tree & Shrub Group: 10

Select MLRA: 53B

Type of Planting: New

Landuse: Other

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~630 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
3	1801.7		15	0.62	1	Maple, Amur			6.08		297		NR	
	1844.2				2	Caragana		Buffaloberry	6.02		307		NR	NR
3645.9			15	0.62	**Totals**						604			

WEST - TREEPLAN

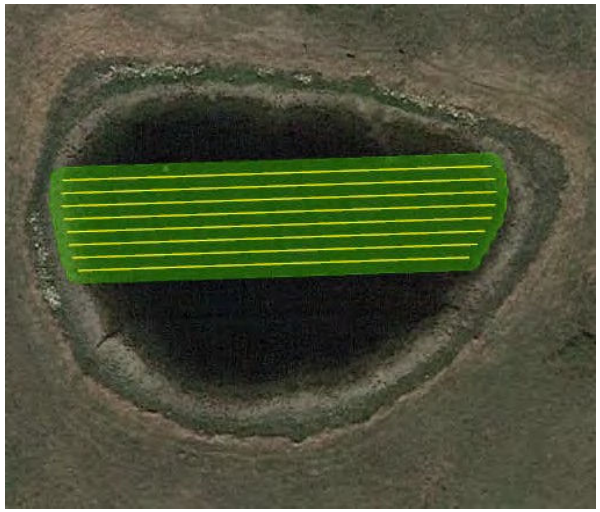
ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Darrell Dihle | Address: 9651 94th Ave NW, Columbus ND 58727 | Phone #: 701-339-1410 | Date: 3/16/2021

Plan Sketch Map

N



Quarter: NE 1/4 | Section: 13 | Twnshp: 161N | Range: 94W

Planned Soil Mapunit / name component(s): ahl-Max-Parnell complex, 0 to 35 percent slope

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group: 3

Select MLRA: 53B

Type of Planting: New

Landuse: Other

Program: None

Site Preparation: ther (describe in Remark

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~1128 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Site contained no open water during the time of planting.
Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
4	115		15	0.04	1				6		20		suitable	
	104.6				1				6		18		suitable	
	222.3				2			Buffaloberry	6		38		suitable	suitable
	223				3			Buffaloberry	6		38		suitable	suitable
	221				4				7.3		31		suitable	
	217.9				5				7.5		30		suitable	
	66				6				6		11		suitable	
	147				6				6		25		suitable	
	207.7				7			Buffaloberry	6		35		suitable	suitable
	63				8				6		11		suitable	
	137.5				8				6.3		22		suitable	
1725			15	0.04	**Totals**						279			

WEST - TREEPLAN

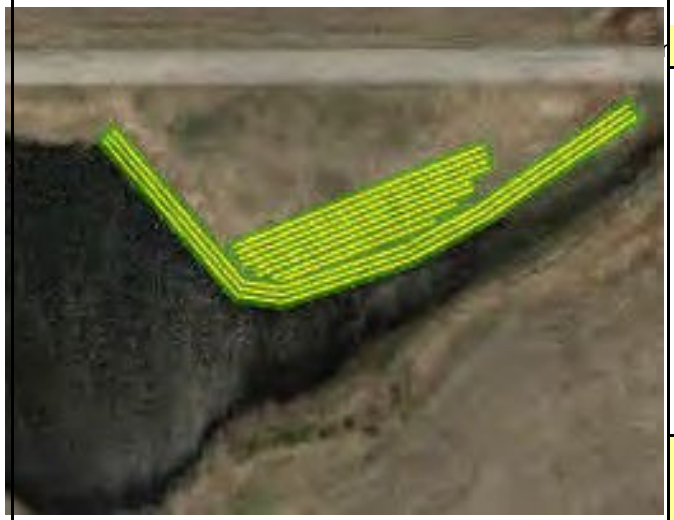
Alexander Brodal

ND - NRCS WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Alexander Brodal | Address: 10131 COUNTY ROAD 6, Columbus ND 58727 | Phone #: 701-641-8764 | Date: 3/16/21

Plan Sketch Map



Quarter: NW 1/4 | Section: 12 | Twnshp: 161N | Range: 94W

Planned Soil Mapunit / name component(s): oderately saline-Parnell complex, 0 to 1 perce

Planned by: Reed Scott Date: 3/16/21

Approved by: Date:

Conservation Tree & Shrub Group: 3

Select MLRA: 53B

Type of Planting: New

Landuse: Field

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~52 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	244.8		15	0.08	1	Dogwood			8		31		suitable	
	244.8				2	Dogwood			8		31		suitable	
	244.8				3	Dogwood			8		31		suitable	
	244.8				4	Dogwood			8		31		suitable	
	214.2				5	Dogwood			8		27		suitable	
	214.2				6	Dogwood			8		27		suitable	
	183.8				7	Dogwood			8		23		suitable	
	150.5				8	Dogwood			8		19		suitable	
	571.3				9	Dogwood			8		72		suitable	
	579.7				10	Willow, Sandbar			6.15		95		NR	
	588.1				11	Willow, Sandbar			6		99		NR	
3481		15	0.08	**Totals**							486			

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Alexander Brodal | Address: 10131 COUNTY ROAD 6, Columbus ND 58727 | Phone #: 701-641-8764 | Date: 3/16/21

Plan Sketch Map

N

Quarter: SW 1/4 | Section: 12 | Twnshp: 161N | Range: 94W

Planned Soil Mapunit / name component(s): lliams-Zahl-Parnell complex, 0 to 9 percent slo

Planned by: Reed Scott | Date: 3/16/21

Approved by: | Date:

Conservation Tree & Shrub Group: 3

Select MLRA: 53B

Type of Planting: New

Landuse: Field

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~876 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
2	1525.1		15	0.53	1	Buffaloberry			6		255		suitable	
	1362				2	Buffaloberry			6		227		suitable	
	895.5				2	Caragana			6		150		suitable	
	1514				3	Caragana			6		253		suitable	
	468				4	Caragana			6		78		suitable	
	1040.4				4	Dogwood			7.25		144		suitable	
	222.9				5	Willow, Sandbar			6		38		NR	
	180.4				6	Willow, Sandbar			6		31		NR	
	65.2				7	Dogwood			8		9		suitable	
	65.2				8	Dogwood			8		9		suitable	
	65.2				9	Dogwood			8		9		suitable	
	65.2				10	Dogwood			8		9		suitable	
	65.2				11	Dogwood			8		9		suitable	
	475.1				12	Willow, Sandbar			6		80		NR	
	435.5				13	Willow, Sandbar			6		73		NR	
	395.9				14	Willow, Sandbar			6		66		NR	
	8840.8		15	0.53		**Totals**					1440			

WEST - TREEPLAN

Jeffery Larson

ND - NRCS **WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET** ND-CPA-4, Rev. 03-2017

Name: Jeffrey Larson | Address: 6568 103rd Ave NW. Tioga ND 58852 | Phone #: 701-664-5250 | Date: 3/16/21

Plan Sketch Map

N

Quarter: NW 1/4 | Section: 4 | Twnshp: 156N | Range: 95W

Planned Soil Mapunit / name component(s): Lehr-Williams loams, 0 to 6 percent slopes

Planned by: Reed Scott | Date: 3/16/21

Approved by: | Date:

Conservation Tree & Shrub Group: 10 | Select MLRA: 53B

Type of Planting: New

Landuse: Other | Program: None

Site Preparation: ther (describe in Remark | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~125 feet

(Minimum 200' on N & W, and 100' on S & E) Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Site Prep- land appears to be untouched grassland
Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	979.1		15	0.34	1	Buffaloberry			6.07		162		NR	
	968				2	Buffaloberry			6.07		160		NR	
1947.1		15	0.34	**Totals**	322									

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Jeffrey Larson | Address: 6568 103rd Ave NW. Tioga ND 58852 | Phone #: 701-664-5250 | Date: 3/16/21

Plan Sketch Map

Quarter: NW 1/4 | Section: 4 | Twnshp: 156N | Range: 95W

Planned Soil Mapunit / name component(s): ahl-Max-Arnegard loams, 15 to 60 percent slop

Planned by: Reed Scott | Date: 3/16/21

Approved by: | Date:

Conservation Tree & Shrub Group: 10 | Select MLRA: 53B

Type of Planting: New

Landuse: Other | Program: None

Site Preparation: ther (describe in Remark | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~165 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
2	794.8		15	0.27	1				6.07		131		NR	
	30				1			Lilac, Common	6.07		5		NR	NR
	840.4				2			Lilac, Common	6.2		136		NR	NR
	870.5				3			Lilac, Common	6.2		141		NR	NR
	903.1				4			Lilac, Common	6.2		146			NR
	960.9				5			Lilac, Common	6.1		158		NR	NR
	964.3				6			Lilac, Common	6.1		159		NR	NR
	967.8				7			Lilac, Common	6.1		159		NR	NR
	6331.8		15	0.27	**Totals**						1035			

WEST - TREEPLAN

James Elsbernd

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: James Elsbernd | Address: 10320 117TH AVE NW, CROSBY, ND 58730 | Phone #: 701-965-6190 | Date: 3/17/21

Plan Sketch Map

N

Quarter: SW 1/4 | Section: 14 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): Zahl-Williams loams, 9 to 15 percent slopes

Planned by: Reed Scott | Date: 3/17/21

Approved by: | Date:

Conservation Tree & Shrub Group: 10

Select MLRA: 53B

Type of Planting: New

Landuse: Field

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 6 feet

Distance from Windward row to roads or bldgs.: ~675 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	889		13	0.27	1	Willow, Sandbar			6		149		NR	
	888				2	Willow, Sandbar			6		148		NR	
	96				3	Willow, Sandbar			6		16		NR	
	168				3	Willow, White			6		28		NR	
	1016				3	Dogwood			6		170		NR	
	858				4	Dogwood			6		143		NR	
	418				4	Juneberry			6		70		NR	
	474				5	Juneberry			6		79		NR	
	168				5	Chokecherry, commc			6		28		NR	
	307				5	Buffaloberry			6		52		NR	
	307				5	Cherry, Nanking			6		52		NR	
	1235				6	Buffaloberry		Cherry, Nanking	6		206		NR	NR
	1215				7	Buffaloberry		Cherry, Nanking	6		203		NR	NR
	672				8	Spruce, Blue		Boxelder	6		112		NR	NR
	523				8				9.5		56		NR	NR
	9234		13	0.27		**Totals**					1512			

WEST - TREEPLAN

Embarc Farms

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Embarc Farm | Address: 2727 SHANNON FOREST CT, KATY, TX 77494 | Phone #: 303-579-2267 | Date: 3/17/21

Plan Sketch Map

Quarter: NW 1/4 | Section: 27 | Twnshp: 159N | Range: 93W

Planned Soil Mapunit / name component(s): hl-Williams-Zahill complex, 6 to 9 percent slop

Planned by: Reed Scott | Date: 3/17/21

Approved by: | Date:

Conservation Tree & Shrub Group: 3 | Select MLRA: 53B

Type of Planting: New

Landuse: Field | Program: None

Site Preparation: Fallow | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~1400 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	1100		15	0.38	1	Lilac, Common			6.63		166		suitable	
	1050				2	Spruce, Blue			12		88		suitable	
	500				3	Poplar, hybrid specie			12		42		NR	
	396				3	Cottonwood			12		33		NR	
	104				3	Poplar, hybrid specie			12		9		NR	
	198				4	Crabapple, species			6.1		33		suitable	
	200				4	Juneberry		Chokecherry, commc	6.67		30		suitable	suitable
	200				4	Buffaloberry		Sandcherry, Western	6.67		30		suitable	suitable
	500				5	Maple, Amur			6.67		75		suitable	
	200				6	Poplar, hybrid specie			12		17		NR	
	1400				6	Maple, Amur			6.6		213		suitable	
	136				7	Poplar, hybrid specie			12		12		NR	
	1464				7	Spruce, Blue			12		122		suitable	
	1400				8	Lilac, Common			6.67		210		suitable	
	200				8	Poplar, hybrid specie			12		17		NR	
	1200				9	Poplar, hybrid specie			12.3		98		NR	
10248			15	0.38		**Totals**					1195			

WEST - TREEPLAN

Rodney Olson

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Rodney Olson | Address: | Phone #: 701-240-3136 | Date: 3/16/2021

Plan Sketch Map

Quarter: NE 1/4 | Section: 20 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): Williams-Zahl loams, 3 to 6 percent slopes

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group:

Select MLRA: 53B

Type of Planting: New

Landuse: Farmstead

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~58 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	304.4		15	0.10	1	Lilac, Common			8.5		36		Lilac, Common	
	306.6				2	Cherry, Nanking			8.5		37		Cherry, Nankin	
	308.8				3	Buffaloberry			8.5		37		Buffaloberry	
919.8			15	0.10		**Totals**					110			

WEST - TREEPLAN

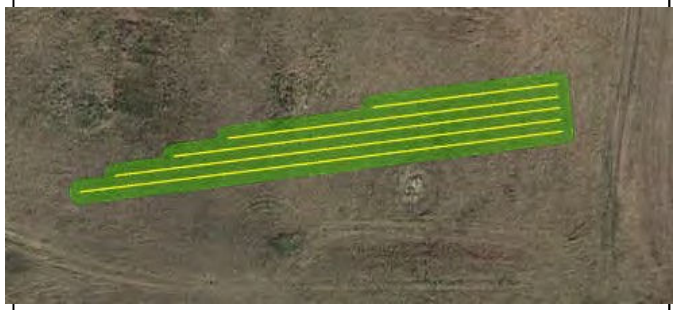
ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Rodney Olson | Address: | Phone #: 701-240-3136 | Date: 3/16/2021

Plan Sketch Map

N



Quarter: NW 1/4 | Section: 20 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): hl-Williams-Zahill complex, 6 to 9 percent slop

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group: | Select MLRA: 53B

Type of Planting: New

Landuse: Field | Program: None

Site Preparation: Fallow | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 6 feet

Distance from Windward row to roads or bldgs.: ~388 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
2	104		13	0.03	1	Lilac, Common			8.5		13		Lilac, Common	
	185.7				2	Lilac, Common		Cherry, Nanking	8.5		22		Lilac, Common	Cherry, Nanking
	217.2				3	Buffaloberry		Cherry, Nanking	8.5		26		Buffaloberry	Cherry, Nanking
	251.2				4	Cherry, Nanking		Buffaloberry	8.5		30		Cherry, Nankin	Buffaloberry
	272.1				5	Buffaloberry		Cherry, Nanking	8.5		33		Buffaloberry	Cherry, Nanking
1030.2			13	0.03	**Totals**						124			

WEST - TREEPLAN

ND - NRCS WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Rodney Olson | Address: | Phone #: 701-240-3136 | Date: 3/16/2021

Plan Sketch Map

N

Quarter: NW 1/4 | Section: 20 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): hl-Williams-Zahill complex, 6 to 9 percent slop

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group:

Select MLRA: 53B

Type of Planting: New

Landuse: Field

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 6 feet

Distance from Windward row to roads or bldgs.: ~242 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
3	685		13	0.20	1	Cherry, Nanking			8.5		81		erry, Nankin	
	979.8				2	Lilac, Common			8.5		116		Lilac, Commor	
	17				2	Cherry, Nanking			8.5		2		erry, Nankin	
	59.5				2	Buffaloberry			8.5		7		Buffaloberry	
1741.3			13	0.20	**Totals**						206			

WEST - TREEPLAN

ND - NRCS WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Rodney Olson | Address: | Phone #: 701-240-3136 | Date: 3/16/2021

Plan Sketch Map

Quarter: SE 1/4 | Section: 18 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): Zahl-Williams loams, 9 to 15 percent slopes

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group:

Select MLRA: 53B

Type of Planting: New

Landuse: Field

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 6 feet

Distance from Windward row to roads or bldgs.: ~260 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con

Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
4	201		13	0.06	1	Buffaloberry			9		23		Buffaloberry	
	196.2				2	Buffaloberry			9		22		Buffaloberry	
	191.4				3	Buffaloberry			9		22		Buffaloberry	
	186.5				4	Buffaloberry			9		21		Buffaloberry	
	775.1		13	0.06	**Totals**						88			

WEST - TREEPLAN

LeRoy Schroeder

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: LeRoy Schroeder | Address: 509 McTavish Ave. White Earth ND 58974 | Phone #: 701-755-3417 | Date: 3/16/21

Plan Sketch Map

N

Quarter: SE 1/4 | Section: 12 | Twnshp: 157N | Range: 94W

Planned Soil Mapunit / name component(s): avagae-Daglum complex, 2 to 6 percent slope

Planned by: Reed Scott | Date: 3/16/21

Approved by: | Date:

Conservation Tree & Shrub Group: 3

Select MLRA: 53B

Type of Planting: New

Landuse: Other

Program: None

Site Preparation: ther (describe in Remark

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 12 feet

Distance from Windward row to roads or bldgs.: ~758 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Site prep- appears to be untouched grassland with some areas of woody vegitation.
Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	360		16	0.13	1	Lilac, Common			6		60		suitable	
	32				1	Spruce, Blue			16		2		suitable	
	392				2	Spruce, Blue			12.5		32		suitable	
784			16	0.13	**Totals**						94			

WEST - TREEPLAN

Brad Dibble

ND - NRCS WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Brad Dibble | Address: | Phone #: 701-629-8753 | Date: 3/16/2021

Plan Sketch Map

N

Quarter: SW 1/4 | Section: 17 | Twnshp: 157N | Range: 93W

Planned Soil Mapunit / name component(s): onan-Niobell-Williams loams, 0 to 6 percent slo

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group: 3 | Select MLRA: 53B

Type of Planting: New

Landuse: Farmstead | Program: None

Site Preparation: Not Fallowed | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 12 feet

Distance from Windward row to roads or bldgs.: ~3038 feet

(Minimum 200' on N & W, and 100' on S & E) | Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	121.5		16	0.04	1	Maple, Amur			18		7		suitable	
	121.5				2	Maple, Amur			18		7		suitable	
243		16	0.04	**Totals**							14			

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Brad Dibble | Address: | Phone #: 701-629-8753 | Date: 3/16/2021

Plan Sketch Map

Quarter: SW 1/4 | Section: 17 | Twnshp: 157N | Range: 93W

Planned Soil Mapunit / name component(s): hl-Williams-Bowbells loams, 3 to 9 percent slop

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group:

Select MLRA: 53B

Type of Planting: New

Landuse: Farmstead

Program: None

Site Preparation: Not Fallowed

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 12 feet

Distance from Windward row to roads or bldgs.: ~2715 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
2	68.8		16	0.03	1	Cherry, Nanking			12		6		Cherry, Nankin	
	68.8				2	Cherry, Nanking			12		6		Cherry, Nankin	
	68.8				3	Cherry, Nanking			12		6		Cherry, Nankin	
206.4		16	0.03	**Totals**							18			

WEST - TREEPLAN

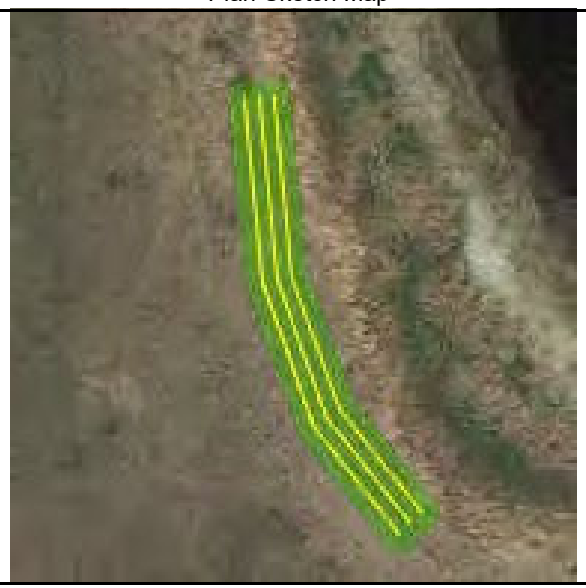
ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Brad Dibble | Address: | Phone #: 701-629-8753 | Date: 3/16/2021

Plan Sketch Map

N



Quarter: SW 1/4 | Section: 17 | Twnshp: 157N | Range: 93W

Planned Soil Mapunit / name component(s): an-Niobell-Williams loams, 0 to 6 percent slo

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group:

Select MLRA: 53B

Type of Planting: New

Landuse: Farmstead

Program: None

Site Preparation: Not Fallowed

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 12 feet

Distance from Windward row to roads or bldgs.: ~2535 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
3	175.7		16	0.06	1	Buffaloberry			12.5		15		Buffaloberry	
	171.9				2	Buffaloberry			12.5		14		Buffaloberry	
	168.2				3	Buffaloberry			12.5		14		Buffaloberry	
515.8			16	0.06	**Totals**						43			

WEST - TREEPLAN

ND - NRCS **WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET** ND-CPA-4, Rev. 03-2017

Name: Brad Dibble | Address: | Phone #: 701-629-8753 | Date: 3/16/2021

Plan Sketch Map

N

Quarter: SW 1/4 | Section: 17 | Twnshp: 157N | Range: 93W

Planned Soil Mapunit / name component(s): hl-Williams-Bowbells loams, 3 to 9 percent slop

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group: | Select MLRA: 53B

Type of Planting: New

Landuse: Farmstead | Program: None

Site Preparation: Not Fallowed | Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 12 feet

Distance from Windward row to roads or bldgs.: ~2353 feet

(Minimum 200' on N & W, and 100' on S & E) Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Planting Area 4 consists of one row in center of photo. Shrub protection tubes will be utilized to increase survivability.

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
4	179.6		20	0.08	1	Cherry, Nanking			18		10		erry, Nankin	

179.6		20	0.08	**Totals**	10	

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Brad Dibble | Address: | Phone #: 701-629-8753 | Date: 3/16/2021

Plan Sketch Map

N

Quarter: SW 1/4 | Section: 17 | Twnshp: 157N | Range: 93W

Planned Soil Mapunit / name component(s): hl-Williams-Bowbells loams, 3 to 9 percent slop

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group:

Select MLRA: 53A

Type of Planting: New

Landuse: Farmstead

Program: None

Site Preparation: Not Fallowed

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 12 feet

Distance from Windward row to roads or bldgs.: ~2445 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
5	40.1		16	0.01	1	Cherry, Nanking			12		4		Cherry, Nankin	
	40.1				2	Cherry, Nanking			12		4		Cherry, Nankin	
	40.1				3	Cherry, Nanking			12		4		Cherry, Nankin	
120.3			16	0.01	**Totals**						12			

WEST - TREEPLAN

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Brad Dibble | Address: | Phone #: 701-629-8753 | Date: 3/16/2021

Plan Sketch Map

N

Quarter: SW 1/4 | Section: 17 | Twnshp: 157N | Range: 93W

Planned Soil Mapunit / name component(s): hl-Williams-Bowbells loams, 3 to 9 percent slop

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group:

Select MLRA: 53B

Type of Planting: New

Landuse: Farmstead

Program: None

Site Preparation: Not Fallowed

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 12 feet

Distance from Windward row to roads or bldgs.: ~2343 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Tree stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
6	399.4		16	0.15	1	Pine, Ponderosa			11.8		34		Pine, Ponderos	
	919.7				2	Pine, Ponderosa			12		77		Pine, Ponderos	
	161.4				3	Pine, Ponderosa			12		14		Pine, Ponderos	
1480.5		16	0.15	**Totals**							125			

WEST - TREEPLAN

Hank's Difficult Decisions

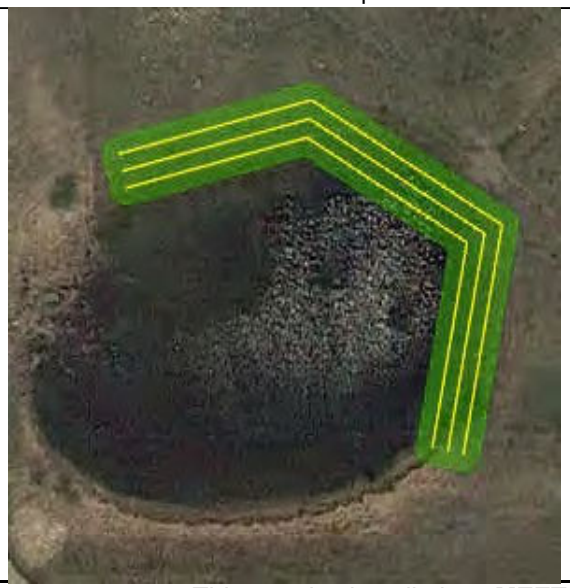
ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Hank's Difficult Decisions | Address: | Phone #: 503-780-4051 | Date: 3/16/2021

Plan Sketch Map

N



Quarter: SW 1/4 | Section: 15 | Twnshp: 160N | Range: 93W

Planned Soil Mapunit / name component(s): ahl-Max-Parnell complex, 0 to 35 percent slope

Planned by: Reed Scott | Date: 3/16/2021

Approved by: | Date:

Conservation Tree & Shrub Group:

Select MLRA: 53B

Type of Planting: New

Landuse: Field

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 6 feet

Distance from Windward row to roads or bldgs.: ~51 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	240.3		13	0.07	1	Buffaloberry			8		31		Buffaloberry	
	227				2	Buffaloberry			8		29		Buffaloberry	
	213.7				3	Buffaloberry			7.9		28		Buffaloberry	
681		13	0.07	**Totals**							88			

WEST - TREEPLAN

Norman Westerness

ND - NRCS WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Norman Westerness | Address: 9029 County Rd 7. Columbus ND 58727 | Phone #: 701-939-5467 | Date: 3/16/21

Plan Sketch Map

N

Quarter: SE 1/4 | Section: 35 | Twnshp: 161N | Range: 93W

Planned Soil Mapunit / name component(s): Zahl-Williams loams, 9 to 15 percent slopes

Planned by: Reed Scott | Date: 3/16/21

Approved by: | Date:

Conservation Tree & Shrub Group: 10

Select MLRA: 53B

Type of Planting: New

Landuse: Farmstead

Program: None

Site Preparation: ther (describe in Remark

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 10 feet

Distance from Windward row to roads or bldgs.: ~304 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con Date:

Site prep- Area looks to be short grass within landowners yard.
Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: **Date:** **Certified By:** **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	227.4		15	0.08	1	Juneberry		Cherry, Nanking	8.8		26		NR	NR
	438.1				2	Cherry, Nanking		Juneberry	10		44		NR	NR
	438.1				3	Juneberry		Cherry, Nanking	10		44		NR	NR
	438.1				4	Cherry, Nanking		Juneberry	10		44		NR	NR
	233.8				5	Juneberry		Cherry, Nanking	8.8		27		NR	NR
	1775.5		15	0.08		**Totals**					185			

WEST - TREEPLAN

Owen & Linda Enget

ND - NRCS — WESTERN ND - TREE AND SHRUB PLANTING WORKSHEET

ND-CPA-4, Rev. 03-2017

Name: Owen and Linda Enget | Address: 9265 78th St NW, POWERS LAKE, ND 58773 | Phone #: 701-628-2086 | Date: 3/17/21

Plan Sketch Map

Quarter | Section: 15 | Twnshp: 158N | Range: 93W

Planned Soil Mapunit / name component(s): Williams-Zahl loams, 3 to 6 percent slopes

Planned by: Reed Scott | Date: 3/17/21

Approved by: | Date:

Conservation Tree & Shrub Group: 3

Select MLRA: 53B

Type of Planting: New

Landuse: Field

Program: None

Site Preparation: Fallow

Protected from livestock?: Yes

Site conditions at planting time:

Spacing between rows: 12 feet

Distance from Windward row to roads or bldgs.: ~60 feet

(Minimum 200' on N & W, and 100' on S & E)

Planted by:

Remarks on site prep, conditions and management (Weed Con | Date:

Shrub protection tubes and stakes will be utilized to increase survivability

This practice installation **MEETS** / **DOES NOT MEET** the ND FOTG standards and specifications. (circle one)

Checkout by: | **Date:** | **Certified By:** | **Date:**

Planting No.	Planned Length	Planted Length	Plannned Width	Acres	Row #	Primary Species of Tree or Shrub	Type or Variety	Alternating Specie	Planned Spacing in row	Row Spacing (installed)	Number Plannned (est)	Number Planted (installed)	Primary Specie / CTSG Suitability	Alternating Specie / CTSG Suitability
1	6		16	0.00	1	Buffaloberry			5		2		suitable	
	140				1	Spruce, Blue			7.3		20		suitable	
	6				2	Buffaloberry			6		1		suitable	
	140				2	Spruce, Blue			7.5		19		suitable	
	40				3	Spruce, Blue			7.5		6		suitable	
332			16	0.00	**Totals**						48			

WEST - TREEPLAN