

TABLE 2.7.2-8

SHELTERBELT DESCRIPTIONS
STARK COUNTY, NORTH DAKOTA, 2006-2007

Code	Location	Species		Number	Spacing (feet) ¹	Height (feet)	Condition ²	Age Class ³
		Binomial	Common Name					
SB-01	NW1/4 Sec. 27 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	52	4-6	7-11	F-G	3
		<i>Lonicera tatarica</i>	Tatarian honeysuckle	1	R	10	F	3
		<i>Prunus virginiana</i>	Common chokecherry	1	R	10	G	3
		<i>Symphoricarpos occidentalis</i>	Western snowberry	2	R	3	G	3
			TOTAL	56				
		TREES						
		<i>Elaeagnus angustifolia</i>	Russian olive	47	8	14-18	P-F	3/4
		<i>Fraxinus pennsylvanica</i>	Green ash	39	9	15-20	G	3
		<i>Ulmus americana</i>	American elm	8	R	18-25	F-G	3
<i>Ulmus pumila</i>	Siberian elm	39	9	18-24	P-F	3/4		
	TOTAL	133						
SB-02	NW1/4 Sec. 20 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	346	5-6	10-12	G	3
			TOTAL	346				
		TREES						
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	174	8	8-15	G	3
		<i>Pyrus baccata</i>	Siberian crabapple	251	6	10-15	G	3
<i>Pinus ponderosa</i>	Ponderosa pine	161	10	25-35	E	2		
	TOTAL	586						
SB-03	NW1/4 Sec. 20 T139N, R98W	SHRUBS						
		<i>Salix lutea</i>	Yellow willow	1	R	20	G	3
			TOTAL	1				
		TREES						
<i>Populus deltoides</i>	Plains cottonwood	36	R	35-50	F-G	3/4		
	TOTAL	36						
SB-04A	SW1/4 Sec. 16 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	152	5	10-12	G	3
			TOTAL	152				
		TREES						
<i>Ulmus pumila</i>	Siberian elm	126	9	20-30	F-G	3/4		
	TOTAL	126						
SB-04B	SW1/4 Sec. 16 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	660	5-6	6-12	G	3
		<i>Prunus virginiana</i>	Common chokecherry	150	6	7-9	G	2
		<i>Syringa vulgaris</i>	Common lilac	225	4	4-6	G	2
			TOTAL	1035				
		TREES						
		<i>Celtis occidentalis</i>	Common hackberry	90	10	6-10	G	2
		<i>Fraxinus pennsylvanica</i>	Green ash	230	9	10-12	E	2
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	150	6	4-6	E	2
		<i>Pinus ponderosa</i>	Ponderosa pine	90	10	8-10	E	2
	TOTAL	560						
SB-05A	NW1/4 Sec. 21 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	135	4	10	F-G	3
		<i>Syringa villosa</i>	Late lilac	30	4	4-6	P-F	4
		<i>Syringa vulgaris</i>	Common lilac	38	4	4-6	P-F	4
			TOTAL	203				
		TREES						
<i>Ulmus pumila</i>	Siberian elm	120	9	15-20	P	4		
	TOTAL	120						

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SB-05B	NW1/4 Sec. 21 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	330	4-5	6-12	G	3
		<i>Lonicera tatarica</i>	Tatarian honeysuckle	67	6	10-12	F-G	3
		TOTAL		397				
		TREES						
		<i>Elaeagnus angustifolia</i>	Russian olive	80	10	15-20	P-F	4
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	27	15	15-25	G	3
TOTAL		107						
SB-05C	NW1/4 Sec. 21 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	155	4	10-12	G	3
		TOTAL		155				
		TREES						
SB-06	E1/2 E1/2 Sec. 15 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	1440	5	6-12	G	3
		TOTAL		1440				
		TREES						
		<i>Fraxinus pennsylvanica</i>	Green ash	2	R	25-30	F	3
<i>Ulmus pumila</i>	Siberian elm	257	9	15-25	P	4		
TOTAL		259						
SB-07A	SW1/4 Sec. 14 T139, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	273	3	6-8	G	2
		<i>Prunus americana</i>	Wild plum	128	6	5-9	E	2
		TOTAL		401				
		TREES						
		<i>Elaeagnus angustifolia</i>	Russian olive	112	6	10-20	G	2
		<i>Fraxinus pennsylvanica</i>	Green ash	160	9	15-25	G	2
		<i>Pinus ponderosa</i>	Ponderosa pine	69	9	6-20	F-G	2
		<i>Populus deltoides</i>	Plains cottonwood	3	R	20	G	2
		<i>Ulmus pumila</i>	Siberian elm	5	R	10-15	G	2
TOTAL		349						
SB-07B	SW1/4 Sec. 14 T139N, R98W	TREES						
		<i>Populus deltoides</i>	Plains cottonwood	1	R	25-30	P	4
		<i>Ulmus pumila</i>	Siberian elm	7	R	25-30	P	4
		TOTAL		8				
SB-08	SE1/4 Sec. 15 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	150	4	8-10	G	3
		<i>Syringa vulgaris</i>	Common lilac	78	6	6	G	3
		TOTAL		228				
		TREES						
		<i>Fraxinus pennsylvanica</i>	Green ash	7	R	15-25	F	3
		<i>Picea pungens</i>	Blue spruce	20	8	25-30	G	3
		<i>Ulmus pumila</i>	Siberian elm	134	8	20-35	P-F	4
TOTAL		161						
SB-09A	NE1/4 Sec. 22 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	73	6	8-10	G	3
		TOTAL		73				

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		Binomial	Common Name					
SB-09B	NE1/4 Sec. 22 T139N, R98W	SHRUBS						
		<i>Prunus virginiana</i>	Common chokecherry	1	R	20	G	3
		TOTAL		1				
		TREES						
		<i>Fraxinus pennsylvanica</i>	Green ash	34	9	20	G	2
		<i>Populus deltoides</i>	Plains cottonwood	2	R	60-70	G	3
	<i>Salix amygdaloides</i>	Peachleaf willow	4	R	35-45	G	3	
TOTAL		40						
SB-09C	NE1/4 Sec. 22 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	33	3-4	6-8	G	2
		TOTAL		33				
		TREES						
		<i>Fraxinus pennsylvanica</i>	Green ash	35	12	8-15	G	2
	<i>Populus deltoides</i>	Plains cottonwood	10	12	35-40	G	2	
TOTAL		45						
SB-09D	NE1/4 Sec. 22 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	83	6	10-12	G	3
		TOTAL		83				
		TREES						
		<i>Acer negundo</i>	Boxelder	31	6	25-40	P	4
		<i>Elaeagnus angustifolia</i>	Russian olive	63	6	10-15	P	4
		<i>Fraxinus pennsylvanica</i>	Green ash	63	6	15-25	F	3
		<i>Pinus sylvestris</i>	Scotch pine	3	R	15-20	G	2
	<i>Ulmus pumila</i>	Siberian elm	32	6	25-30	P	4	
TOTAL		192						
SB-09E	NE1/4 Sec. 22 T139N, R98W	SHRUBS						
		<i>Caragana arborescens</i>	Siberian pea-shrub	66	4	10-12	G	3
		<i>Syringa vulgaris</i>	Common lilac	6	R	6	G	3
		TOTAL		72				
		TREES						
		<i>Elaeagnus angustifolia</i>	Russian olive	16	18	12-30	P	4
		<i>Fraxinus pennsylvanica</i>	Green ash	18	16	20-30	P	4
	<i>Ulmus americana</i>	American elm	1	R	35	G	3	
	<i>Ulmus pumila</i>	Siberian elm	16	15	25-35	P	4	
TOTAL		51						
SB-09F	NE1/4 Sec. 22 T139N, R98W	SHRUBS						
		<i>Syringa vulgaris</i>	Common lilac	66	3-4	6-10	G	3
		TOTAL		66				
TREES								
	<i>Ulmus pumila</i>	Siberian elm	59	9	35-40	G	3(4)	
TOTAL		59						
SB-09G	NE1/4 Sec. 22 T139N, R98W	SHRUBS						
		<i>Salix lutea</i>	Yellow willow	1	R	15	G	2
		TOTAL		1				
		TREES						
		<i>Acer negundo</i>	Boxelder	1	R	20	G	2
		<i>Fraxinus pennsylvanica</i>	Green ash	30	R	30	G	2
		<i>Picea pungens</i>	Blue spruce	7	R	35	G	2
		<i>Pinus ponderosa</i>	Ponderosa pine	10	R	8-12	G	2
		<i>Populus deltoides</i>	Plains cottonwood	1	R	20	G	2
		<i>Pyrus baccata</i>	Siberian crabapple	1	R	10	G	2
	<i>Ulmus pumila</i>	Siberian elm	1	R	40	G	3	
TOTAL		51						

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		Binomial	Common Name						
SB-10	NW1/4 Sec. 23 T139N, R98W	SHRUBS							
		<i>Prunus tomentosa</i>	Manchu cherry	13	R	2-4	P	4	
		TOTAL		13					
		TREES							
		<i>Fraxinus pennsylvanica</i>	Green ash	18	12	15-20	G	2	
		<i>Pinus ponderosa</i>	Ponderosa pine	16	12	17-23	G	2	
		<i>Pinus sylvestris</i>	Scotch pine	2	R	15	G	2	
		<i>Pyrus baccata</i>	Siberian crabapple	8	12	15-20	G	2	
		<i>Pyrus malus</i>	Cultivated apple	5	12	15-20	G	2	
TOTAL		49							
SB-11	NW1/4 Sec. 23 T139N, R98W	SHRUBS							
		<i>Caragana arborescens</i>	Siberian pea-shrub	100	4	10-12	F	3(4)	
		TOTAL		100					
		TREES							
		<i>Elaeagnus angustifolia</i>	Russian olive	44	6-12	20-30	P	4	
		<i>Fraxinus pennsylvanica</i>	Green ash	157	6-12	30-45	P	4	
		<i>Ulmus pumila</i>	Siberian elm	145	8-16	30-45	P	4	
TOTAL		346							
SB-12A	SE1/4 Sec. 22 T139N, R98W	SHRUBS							
		<i>Caragana arborescens</i>	Siberian pea-shrub	101	3-5	10-15	G	3	
		<i>Prunus tomentosa</i>	Manchu cherry	32	6	3-8	P	2	
		TOTAL		133					
		TREES							
		<i>Fraxinus pennsylvanica</i>	Green ash	19	15	25	G	2	
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	17	13-15	6-8	G	2	
<i>Ulmus pumila</i>	Siberian elm	45	6	25-30	P-F	4			
TOTAL		81							
SB-12B	SE1/4 Sec. 22 T139N, R98W	SHRUBS							
		<i>Caragana arborescens</i>	Siberian pea-shrub	282	4	6-12	G	3	
		<i>Lonicera tatarica</i>	Tatarian honeysuckle	49	4-10	5-15	F	3	
		TOTAL		331					
		TREES							
		<i>Elaeagnus angustifolia</i>	Russian olive	25	6-15	9-30	P	4	
		<i>Fraxinus pennsylvanica</i>	Green ash	46	9-15	15-25	P-F	3/4	
		<i>Pinus ponderosa</i>	Ponderosa pine	7	R	2	F	2	
		<i>Populus deltoides</i>	Plains cottonwood	10	R	40-60	P	4	
		<i>Ulmus americana</i>	American elm	5	R	15-25	F	3	
<i>Ulmus pumila</i>	Siberian elm	8	R	15-25	P	4			
TOTAL		101							
SB-12C	SE1/4 Sec. 22 T139N, R98W	SHRUBS							
		<i>Amelanchier alnifolia</i>	Western serviceberry	5	R	10-15	G	3	
		<i>Prunus virginiana</i>	Common chokecherry	3	R	15-20	G	3	
		<i>Salix lutea</i>	Yellow willow	5	R	15-25	G	3	
		<i>Syringa vulgaris</i>	Common lilac	5	R	8	G	3	
		TOTAL		18					
		TREES							
		<i>Fraxinus pennsylvanica</i>	Green ash	24	R	15-30	G	2/3	
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	6	R	5-10	G	2	
		<i>Picea pungens</i>	Blue spruce	1	R	10	G	2	
		<i>Pinus ponderosa</i>	Ponderosa pine	10	R	15-40	G	2	
		<i>Populus deltoides</i>	Plains cottonwood	4	R	35-45	G	3	
		<i>Populus tremuloides</i>	Quaking aspen	1	R	20	G	2	
		<i>Pyrus malus</i>	Cultivated apple	2	R	12	G	3	
		TOTAL		48					

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		Binomial	Common Name						
SB-13	NE1/4 Sec. 34 T139N, R98W	SHRUBS							
		<i>Syringa vulgaris</i>	Common lilac	500	R	2-5	G	2/3	
		TOTAL		500					
		TREES							
		<i>Elaeagnus angustifolia</i>	Russian olive	3	R	10-15	P	4	
		<i>Ulmus pumila</i>	Siberian elm	23	9-30	25-40	P	4	
TOTAL		26							
SB-14A	SW 1/4 Sec. 13 T139N, R98W	TREES							
		<i>Picea pungens</i>	Blue spruce	5	15	20-25	G	2	
		<i>Pinus nigra</i>	Austrian pine	13	10-12	8-15	G	2	
		TOTAL		18					
SB-14B	SW 1/4 Sec. 13 T139N, R98W	SHRUBS							
		<i>Caragana arborescens</i>	Siberian pea-shrub	28	10-12	4-6	G	3	
		TOTAL		28					
		TREES							
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	57	10-12	6-8	G	3	
		<i>Picea pungens</i>	Blue spruce	49	10-12	3-4	G	2	
		<i>Pinus nigra</i>	Austrian pine	58	10-12	7-9	G	2	
TOTAL		164							
SB-15A	NE1/4 Sec. 29 T139N, R98W	SHRUBS							
		<i>Caragana arborescens</i>	Siberian pea-shrub	50	6	6-10	G	2	
		TOTAL		50					
		TREES							
<i>Juniperus scopulorum</i>	Rocky Mountain juniper	35	10	8-10	G	2			
TOTAL		35							
SB-15B	NE1/4 Sec. 29 T139N, R98W	SHRUBS							
		<i>Amelanchier alnifolia</i>	Western serviceberry	8	8	2-3	F	2	
		TOTAL		8					
		TREES							
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	13	7	2-3	G	2	
<i>Pinus nigra</i>	Austrian pine	8	10	2-3	G	2			
TOTAL		21							
SB-15C	NE1/4 Sec. 29 T139N, R98W	SHRUBS							
		<i>Amelanchier alnifolia</i>	Western serviceberry	248	8	2-3	G	2	
		<i>Prunus americana</i>	Wild plum	14	16	2	F	2	
		<i>Shepherdia argentea</i>	Silver buffaloberry	19	16	2	G	2	
		<i>Syringa vulgaris</i>	Common lilac	66	6	2	G	2	
		TOTAL		347					
		TREES							
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	61	7	2-3	G	2	
<i>Picea glauca</i>	White spruce	105	8	2	G	2			
TOTAL		166							
SB-16A	NW1/4 Sec. 14 T139N, R98W	SHRUBS							
		<i>Caragana arborescens</i>	Siberian pea-shrub	117	6	10-14	G	3	
		<i>Lonicera tatarica</i>	Tatarian honeysuckle	23	6-30	7	P-F	4	
		TOTAL		140					
		TREES							
		<i>Elaeagnus angustifolia</i>	Russian olive	14	10-30	16	P	4	
		<i>Juniperus scopulorum</i>	Rocky Mountain juniper	88	8	25-30	F-G	3	
<i>Ulmus pumila</i>	Siberian elm	1	R	35-40	F	4			
TOTAL		103							

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SB-16B	NW1/4 Sec. 14 T139N, R98W	SHRUBS							
		<i>Caragana arborescens</i>	Siberian pea-shrub	4	R	6-8	G	3	
		<i>Lonicera tatarica</i>	Tatarian honeysuckle	3	R	5	F	4	
		<i>Prunus virginiana</i>	Common chokecherry	1	R	6	G	3	
		<i>Salix lutea</i>	Yellow willow	1	R	5	F	4	
		<i>Syringa vulgaris</i>	Common lilac	63	R	6	F	3/4	
			TOTAL	72					
		TREES							
		<i>Elaeagnus angustifolia</i>	Russian olive	1	R	20	P	4	
			TOTAL	1					

¹Spacing: R - Random

²Condition: P - poor, F - fair, G - good, E -excellent

³Age Class: 2 - immature, 3 - mature, 4 - decadent

All shelterbelts are depicted in Figures 2.7.2-4 to 2.7.2.-20.