

Attachment A

Landscape Plan

**SUMMIT LAKE SOLAR AND BESS
PROJECT NOBLES COUNTY,
MINNESOTA DRAFT LANDSCAPE
SCREENING PLAN**

Prepared for:



8400 Normandale Lake Blvd., Suite 1200
Bloomington, MN 55437

December 2025

Prepared by:



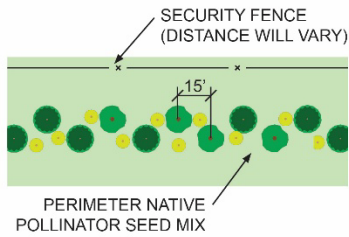
CONTENTS

1.0	SPECIES ID.....	3
2.0	TYPICAL LAYOUTS	4
3.0	EXAMPLE VISUAL SIMULATION	5
4.0	STANDARD PLANTING DETAILS	7
5.0	SPECIES PHOTOS.....	11
6.0	VEGETATION SCREENING MAPS.....	17

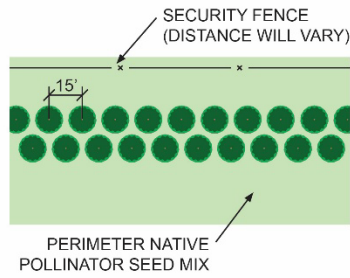
Scientific name	Common name	Container size	Spacing (ft.)
Deciduous and Coniferous Trees			
<i>Quercus rubra</i>	Northern red oak	10#	15
<i>Crataegus mollis</i>	Downy hawthorn	10#	15
<i>Tilia americana</i>	American basswood	10#	15
<i>Pinus resinosa</i>	Red pine	10#	15
<i>Quercus macrocarpa</i>	Bur oak	10#	15
<i>Pinus banksiana</i>	Jack Pine	10#	15
<i>Quercus macrocarpa</i>	Bur oak	10#	15
Deciduous Shrubs			
<i>Ceanothus americanus</i>	New Jersey tea	10#	6
<i>Amelanchier arborea</i>	Downy Serviceberry	10#	6
<i>Physocarpus opulifolius</i>	Common ninebark	10#	6
<i>Cornus racemosa</i>	Gray Dogwood	10#	6
<i>Rosa blanda</i>	Smooth wild rose)	10#	6
<i>Corylus americana</i>	American Hazelnut	10#	6
<i>Prunus americana</i>	American Plum	10#	6
<i>Rhus glabra</i>	Smooth sumac	10#	6
<i>Viburnum rafinesquianum</i>	Downy arrowwood viburnum	10#	6



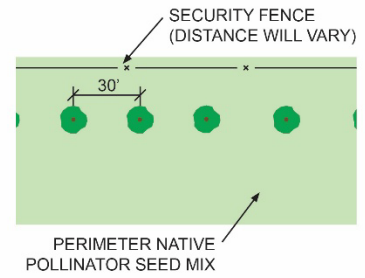
STANDARD SCREENING WITH
TREE MIX AND SHRUBS



HIGH DESNSITY CONIFER FOR
SNOW DRIFT MITIGATION



LOW DENSITY DECIDUOUS FOR
VISUAL SCREENING AND MINIMAL
WINDWARD SNOW DRIFT



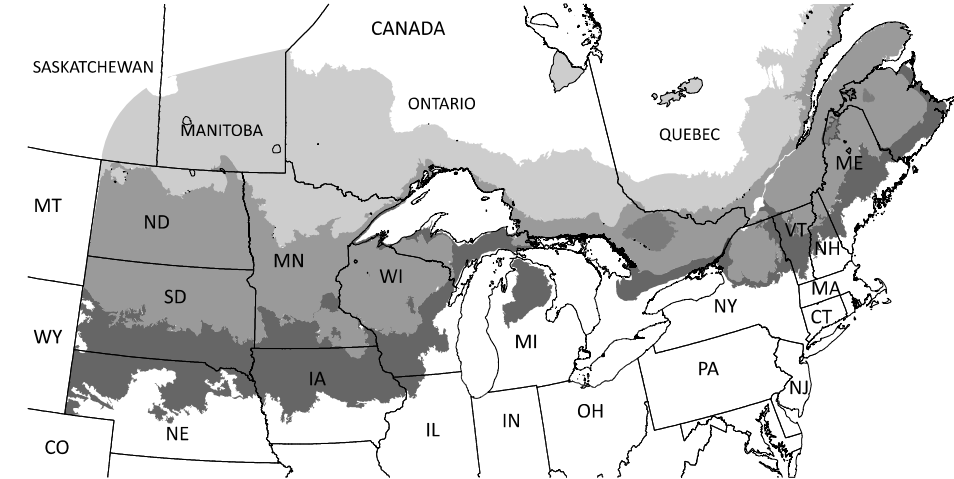
NOT TO SCALE

- ● DECIDUOUS AND CONIFEROUS TREES
- ● ● DECIDUOUS SHRUBS





GENERAL NOTES	
SEE SPECIAL PROVISIONS FOR SPECIFIC PROJECT REQUIREMENTS.	
REFER TO SPECIFICATIONS 2571, 2572, 3861 AND THE INSTALLATION AND CONTRACT ADMINISTRATION MANUAL FOR MnDOT LANDSCAPE PROJECTS FOR GENERAL REQUIREMENTS.	
ACCEPT ALL PLANT STOCK IN ACCORDANCE WITH SPEC. 3861 PRIOR TO PLANTING.	
DEMONSTRATE COMPETENCY FOR ALL PLANT INSTALLATION OPERATIONS IN ACCORDANCE WITH SPECIFICATION 2571.3F1, AND FOR SOIL CULTIVATION IN ACCORDANCE WITH SPEC. 2571.3D.2.	
FOR PLANTING PLAN DIMENSIONS, STATED DIMENSIONS SUPERCEDE SCALING FROM PLAN.	
PLANT TREES AND SHRUBS AT THE CORRECT HEIGHT WITH A VISIBLE ROOT FLARE.	
WATERING GUIDELINES (SEE SPECIFICATION 2571.3G)	
MONITOR AND MAINTAIN SOIL MOISTURE AT ADEQUATE BUT NOT EXCESSIVE LEVELS TO A DEPTH OF 16". THE AMOUNTS LISTED BELOW ARE GUIDELINES.	
PLANT TYPE	AVERAGE GALLONS OF WATER PER APPLICATION
TREES - MACHINE MOVED	50-100
TREES - BALLED AND BURLAPPED	20
TREES - BARE ROOT AND CONTAINER	15
SHRUBS - BALLED AND BURLAPPED	10
SHRUBS - BARE ROOT AND CONTAINER	7
WOODY SEEDLINGS	4
PERENNIALS AND VINES	3



COMPLETE THE CERTIFICATE OF COMPLIANCE TO DOCUMENT THAT ALL PLANT STOCK FURNISHED BY THE CONTRACTOR ON THIS PROJECT IS A OR B:

- A. GROWN AND CULTIVATED ON STATE-INSPECTED NURSERIES WITHIN THE ACCEPTABLE PLANT STOCK GROWING RANGE LIMITS FOR AT LEAST THE PREVIOUS TWO YEARS;
- OR
- B. GROWN OUTSIDE OF THE ACCEPTABLE PLANT STOCK GROWING RANGE LIMITS IF THE SEED SOURCE OR ROOT AND GRAFT STOCK IS CERTIFIED AND DOCUMENTED AS ORIGINATING WITHIN THE ACCEPTABLE PLANT STOCK GROWING RANGE LIMITS.

MAP ADAPTED FROM 2023 USDA PLANT HARDINESS AND 2010 CANADA EXTREME MINIMUM TEMPERATURE ZONES. THIS IS NOT THE OFFICIAL USDA PLANT HARDINESS MAP.

ACCEPTABLE PLANT HARDINESS ZONES		
LEGEND	ZONE	MINIMUM TEMPERATURE RANGE
	3	-30 to -40 F
	4	-20 to -30 F
	5a	-15 to -20 F
UNACCEPTABLE ZONES ARE 0, 1, 2, 5b, 6 (AND HIGHER)		

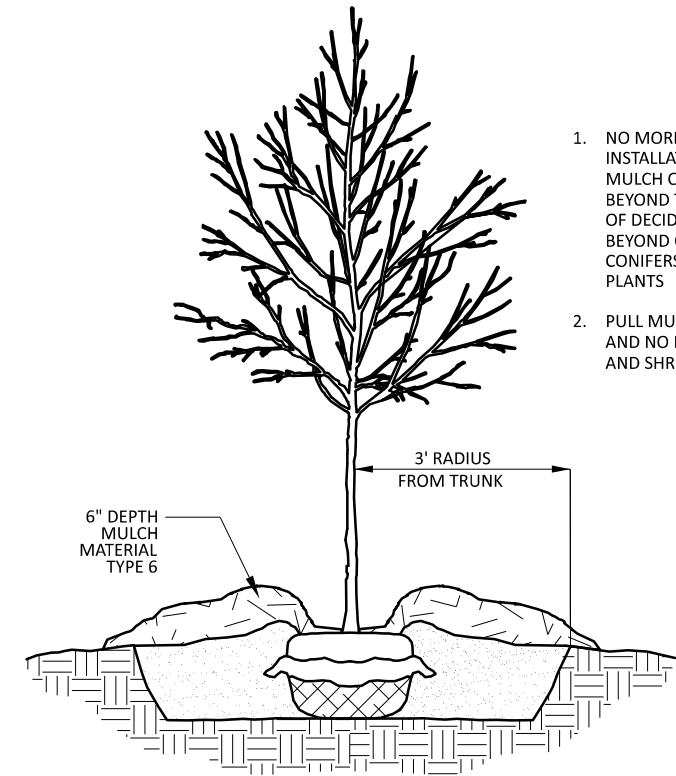
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ACCEPTABLE PLANT STOCK GROWING RANGE

PLANTING DATES BY ZONE					
SEASON	PLANT TYPE	3	4	5a	
SPRING	DECIDUOUS	BARE ROOT	APRIL 21 TO JUNE 1	APRIL 7 TO JUNE 1	APRIL 1 TO JUNE 1
			APRIL 21 TO JUNE 30	APRIL 7 TO JUNE 30	APRIL 1 TO JUNE 30
	CONIFEROUS	APRIL 21 TO JUNE 1	APRIL 7 TO MAY 17	APRIL 1 TO MAY 17	
		PERENNIALS	MAY 1 TO JUNE 30	MAY 1 TO JUNE 30	MAY 1 TO JUNE 30
		SEEDLINGS / PLUGS	APRIL 21 TO JUNE 1	APRIL 7 TO JUNE 1	APRIL 1 TO JUNE 1
FALL	DECIDUOUS	BARE ROOT	OCT 1 TO NOV 1	OCT 15 TO NOV 15	OCT 15 TO NOV 15
		CONTAINER B&B	AUG 15 TO OCT 15	AUG 15 TO NOV 1	SEPT 1 TO NOV 1
	CONIFEROUS	APRIL 21 TO JUNE 1	APRIL 7 TO JUNE 1	APRIL 1 TO JUNE 1	
		PERENNIALS	AUG 15 TO SEPT 15	AUG 15 TO SEPT 15	SEPT 1 TO OCT 1

2

PLANT INSTALLATION PERIOD



- NO MORE THAN 7 DAYS AFTER PLANT INSTALLATION PLACE 6" OF TYPE 6 MULCH ON PLANTING SOIL TO 3' BEYOND THE TRUNK OR OUTER STEM OF DECIDUOUS PLANTS, AND TO 3' BEYOND OUTER BRANCHES OF CONIFERS AND MACHINE MOVED PLANTS
- PULL MULCH BACK NO LESS THAN 3" AND NO MORE THAN 6" FROM TREES AND SHRUBS OR MAIN STEM.

4

MULCH PLACEMENT

BRANCH BARK RIDGE

LIVE BRANCH

DEAD BRANCH

BRANCH COLLAR

BRANCHES PRUNED AT TRUNK (NATURAL TARGET PRUNING/ANSI-A300 PRUNING STANDARD)

NATURAL TARGET PRUNING STEPS:

- USE A CLEAN, SHARP PRUNING SAW OR SCISSOR-TYPE PRUNER TO CUT PART WAY THROUGH THE BRANCH AT POINT A.
- CUT COMPLETELY THROUGH BRANCH FROM POINT B TO A.
- MAKE A FINAL CUT OUTSIDE THE BRANCH COLLAR FROM POINT C TO D LEAVING THE BRANCH COLLAR INTACT RESULTING IN A CONTINUOUS DOUGHNUT-SHAPED CALLUS FORMATION AFTER ONE SEASON OF GROWTH.
- DO NOT PRUNE C TO X TO PREVENT INCOMPLETE OR DEFECTIVE CALLUS FORMATION.
- PRUNE PLANTS PRIOR TO PLANT INSTALLATION OR WHEN DORMANT DURING PLANT ESTABLISHMENT.
- DO NOT PRUNE OAKS IN APRIL, MAY, JUNE AND JULY.

LIVE BUD

LIVE BRANCH

CORRECT PRUNING CUT

TOO CLOSE

TOO LONG

TOO SLANTED

BRANCHES PRUNED TO LIVE BUD

PRUNING NOTES:

- PRUNE USING CLEAN AND SHARP SCISSOR-TYPE PRUNER OR PRUNING SAW.
- THE BEST TIME TO PRUNE IS LATE DORMANT SEASON OR EARLY SPRING.
- DO NOT PRUNE OAKS IN APRIL, MAY, JUNE OR JULY.

3

PRUNING

DIRECTION OF SPADING MACHINE

INITIAL SPADING - PASS 1

AFTER ENGINEER OR INSPECTOR DETERMINES SATISFACTORY KILL OF TURF AND WEEDS, CULTIVATE INPLACE SOIL TO A MINIMUM 12" DEPTH AND MINIMUM WIDTH PER COLUMN A OF THE PLANTING HOLE DIMENSIONS TABLE.

DIRECTION OF SPADING MACHINE

INCORPORATION - PASS 2

UNIFORMLY APPLY 4" COMPOST, AND OTHER ADDITIVES IN ACCORDANCE WITH SPECIAL PROVISIONS, TO THE INITIALLY SPADED SOIL.

CULTIVATE COMPOST AND ADDITIVES TO A MINIMUM 12" DEPTH. VERIFY COMPACTION DOES NOT EXCEED 200 PSI.

NOTE: REQUIRES COMPETENCY TEST IN ACCORDANCE WITH SPECIFICATION 2571.3D.2.

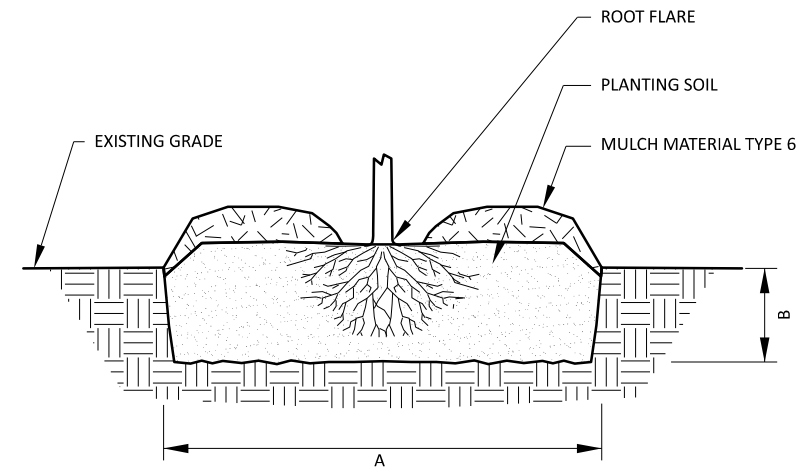
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PLANTING SOIL

LICENSED LANDSCAPE ARCHITECT _____ DATE _____		LICENSE NUMBER 26552	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.	LEAD EXPERT OFFICE	MARNI KARNOWSKI CHIEF ENVIRONMENTAL OFFICER OFFICE OF ENVIRONMENTAL STEWARDSHIP	STANDARD PLANTING DETAILS		APPROVED: 08-12-2025 REVISED:	 THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.301	1 OF 4
						STANDARD PLAN			STATE PROJ. NO.	SHEET NO.	
									TRUNK HWY.	TOTAL SHEETS	

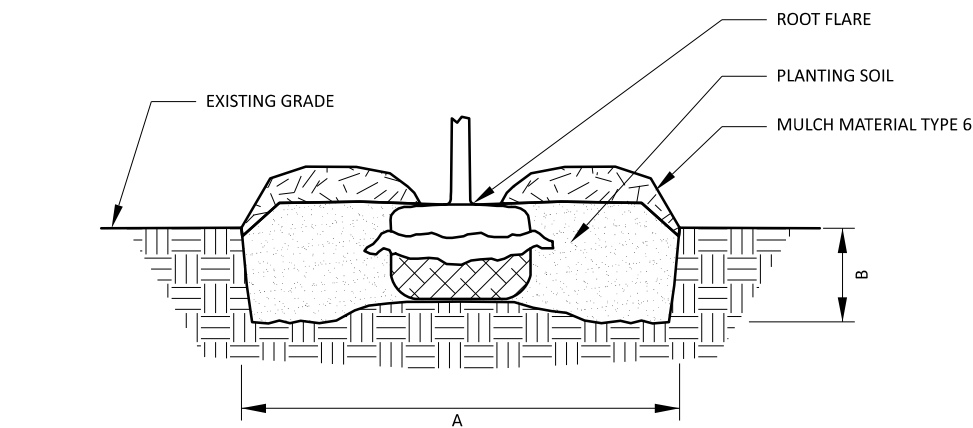
PLANTING HOLE DIMENSIONS			
PLANT TYPE	PLANT AND CONTAINER SIZE	(A) MINIMUM HOLE WIDTH	(B) APPROXIMATE HOLE DEPTH
DECIDUOUS & ORNAMENTAL TREES	3' BR	46"	13"
	4' BR	46"	14"
	5' BR	48"	14"
	6' BR	54"	15"
	7' BR	60"	16"
	8' BR	66"	19"
	1" CAL BR	54"	14"
	1.25" CAL BR	60"	14"
	1.5" CAL BR	66"	15"
	2" CAL BR	84"	19"
	4' B&B	42"	11"
	5' B&B	48"	12"
	6' B&B	52"	14"
	8' B&B	66"	16"
	10' B&B	66"	16"
	12' B&B	48"	16"
	1" CAL B&B	54"	14"
	1.25" CAL B&B	56"	15"
	1.5" CAL B&B	61"	15"
	1.75" CAL B&B	66"	16"
	2" CAL B&B	72"	16"
	2.5" CAL B&B	84"	19"
	3" CAL B&B	96"	20"
DECIDUOUS SHRUBS, ROSES, AND PERENNIALS	12" BR	24"	7"
	15" BR	28"	8"
	18" BR	30"	8"
	2' BR	33"	9"
	3' BR	42"	11"
	4' BR	48"	12"
	5' BR	54"	14"
	6' BR	60"	14"
CONIFEROUS TREES AT LEAST ⅔ OF ALL CONIFER BRANCHES WILL CONTAIN TERMINAL BUDS	2' B&B	36"	10"
	3' B&B	42"	11"
	4' B&B	51"	13"
	5' B&B	60"	13"
	6' B&B	66"	15"
	7' B&B	72"	16"
	8' B&B	81"	18"
CONIFEROUS SHRUBS (UPRIGHT)	18"	24"	7"
	3'	48"	12"
CONIFEROUS SHRUBS (SPREADING) (SPR)	18" SPR	30"	8"
	2' SPR	36"	9"
CONTAINER GROWN PLANTS	CELLPACKS/PLUGS	6"	2.5"
	4" CONT	11"	4"
	6" / 1 QT CONT	15"	5.5"
	1# CONT	18"	6"
	2# CONT	23"	7.5"
	3# CONT	29"	8.5"
	5# CONT	30"	11"
	7# CONT	37"	11"
	15# CONT	44"	14"
	10# CONT	45"	15"
	20# CONT	60"	16"
SEEDLINGS	6" SEEDLING	15"	14"
	12" SEEDLING	23"	16"
	18" SEEDLING	30"	16"
	24" SEEDLING	36"	18"
VINES	1 YR MED BR	15"	11"
	1 YR NO 1 BR	17"	14"
	2 YR MED BR	33"	12"
	2 YR NO 1 BR	42"	15"

1. DEMONSTRATE COMPETENCY IN ACCORDANCE WITH SPECIFICATION 2571.3F.1.
2. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
3. PREPARE HOLE PER PLANTING HOLE DIMENSIONS TABLE (A×B).
4. PROVIDE CORRECTIVE PRUNING.
5. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE.
6. PLACE ROOT FLARE AT OR UP TO 2" ABOVE THE FINISHED SOIL ELEVATION.
7. SPREAD ROOTS OUT EVENLY.
8. PLUMB AND BACKFILL WITH PLANTING SOIL.
9. WATER IN ACCORDANCE WITH WATERING GUIDELINES.



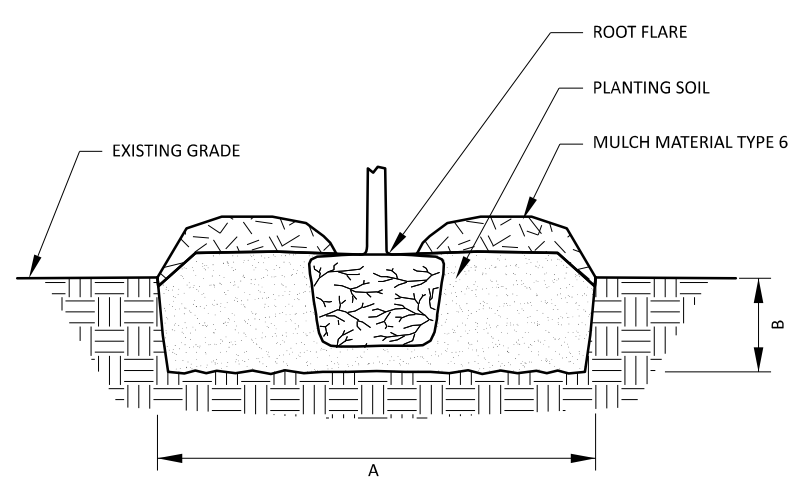
1 BARE ROOT STOCK (BR)

1. DEMONSTRATE COMPETENCY IN ACCORDANCE WITH SPECIFICATION 2571.3F.1.
2. PREPARE HOLE PER PLANTING DIMENSIONS (A×B).
3. PLACE ROOT FLARE AT OR UP TO 2" ABOVE FINISHED GRADE.
4. SET ROOT BALL ON UNDISTURBED NATIVE OR THOROUGHLY COMPACTED PLANTING SOIL WITH BURLAP AND/OR WIRE BASKET INTACT.
5. REMOVE TOP ⅓ OR TOP TWO HORIZONTAL RINGS OF BASKET AND BURLAP, WHICHEVER IS GREATER.
6. SLIT REMAINING BURLAP AT 6" INTERVALS.
7. PRUNE STEM GIRDLING ROOTS AND BRANCHES.
8. BACKFILL WITH PLANTING SOIL TO APPROXIMATELY 12" BELOW TOP OF BALL.
9. PLACE WATER ON BACKFILLED SOIL TO REMOVE AIR.
10. PLUMB AND BACKFILL THE REMAINDER OF THE HOLE WITH PLANTING SOIL.
11. WATER WITHIN 2 HOURS TO SETTLE PLANT AND SOILS, AND FILL VOIDS.
12. REPEAT BACKFILL AND WATER APPLICATIONS AS NECESSARY (SEE WATERING GUIDELINES ON SHEET 1 OF 4.)
13. PLACE MULCH WITHIN 48 HOURS OF THE LAST WATERING UNLESS SOIL MOISTURE EXCEEDS GUIDELINES.
14. REMOVE ALL DISCARDED MATERIALS AND DISPOSE OF OFF-SITE.

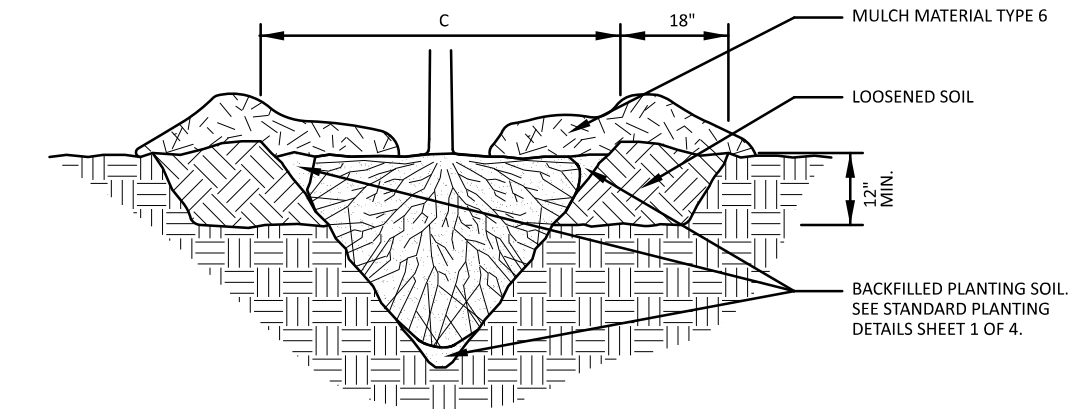


3 BALL & BURLAP STOCK (B&B)

1. DEMONSTRATE COMPETENCY IN ACCORDANCE WITH SPECIFICATION 2571.3F.1.
2. PREPARE HOLE PER PLANTING HOLE DIMENSIONS (A×B).
3. PROVIDE CORRECTIVE PRUNING.
4. REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND REMOVE OR CORRECT STEM GIRDLING ROOTS.
5. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. PLACE PLANT SO THE TOP OF THE ROOT FLARE IS AT OR UP TO 2" ABOVE FINISHED GRADE.
6. PLUMB AND BACKFILL WITH PLANTING SOIL.
7. WATER IN ACCORDANCE WITH WATERING GUIDELINES.



2 CONTAINER STOCK (CONT)

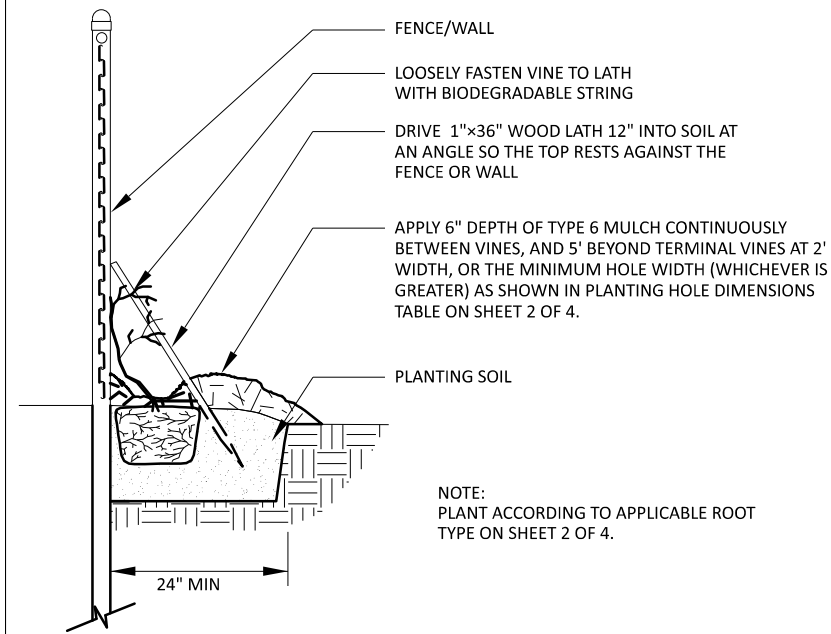


1. DEMONSTRATE COMPETENCY IN ACCORDANCE WITH 2571.3F.1.
2. SCARIFY SIDES AND BOTTOM OF HOLE.
3. PROVIDE CORRECTIVE BRANCH PRUNING.
4. SET PLANT ON NATIVE SOIL AT SAME DEPTH AS IT WAS PREVIOUSLY GROWN.
5. PLUMB AND BACKFILL WITH PLANTING SOIL.
6. AFTER PLANTING, LOOSEN THE SOIL IMMEDIATELY ADJACENT TO THE ROOT BALL TO A MINIMUM DISTANCE OF 18" AND A MINIMUM DEPTH OF 12".
7. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
8. BACK FILL VOIDS AND WATER A SECOND TIME.
9. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

MINIMUM TREE SPADE SIZE REQUIREMENTS			
(C) SPADE DIAMETER SIZE	OAK TREE, CALIPER	DECIDUOUS / ORNAMENTAL TREE, CALIPER	CONIFEROUS TREE HEIGHT
42"	1" to 1.5"	2" to 3"	5' to 7'
60"	1.5" to 2.5"	3" to 4"	7' to 9'
78"	2.5" to 3.5"	4" to 6"	9' to 14'
85"	3.5" to 5"	6" to 8"	14' to 18'

4 TRANSPLANT TREE

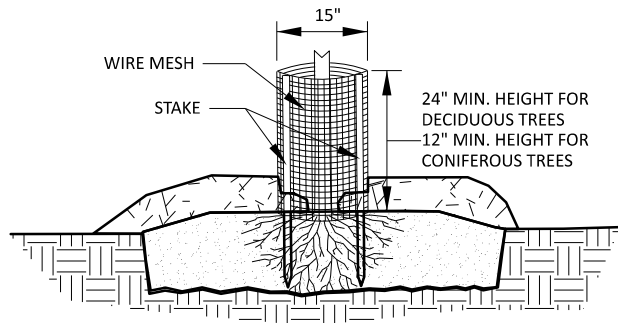
LICENSED LANDSCAPE ARCHITECT		LICENSE NUMBER 26552	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.	LEAD EXPERT OFFICE	MARNI KARNOWSKI CHIEF ENVIRONMENTAL OFFICER OFFICE OF ENVIRONMENTAL STEWARDSHIP	STANDARD PLANTING DETAILS	APPROVED: 08-12-2025 REVISED:	THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.301	2 OF 4
m DEPARTMENT OF TRANSPORTATION						STANDARD PLAN			STATE PROJ. NO.	SHEET NO.
									TRUNK HWY.	TOTAL SHEETS



1

VINE INSTALLATION

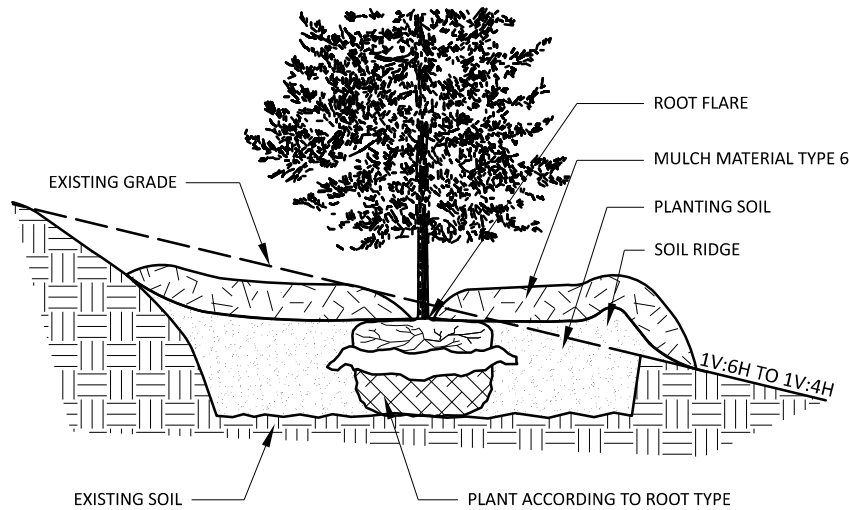
1. FORM A DOUBLE-LAYERED CYLINDER USING $\frac{1}{4}$ " GRID GALVANIZED WELDED WIRE MESH (HARDWARE CLOTH). OVERLAP THE CUT END 2".
2. DRIVE TWO 1"x1" OPPOSING HEARTWOOD WHITE OAK STAKES MIN. 12" INTO THE GROUND, 7" FROM THE CENTER OF THE TREE STEM. STAKE HEIGHT IS 12" LONGER (MIN.) THAN METAL MESH HEIGHT.
3. SECURE THE MESH CYLINDER TO THE OUTSIDE OF THE STAKES USING EITHER SCREWS AND WASHERS, OR CABLE-TIES ALONG THE OVERLAP. SPACE APPROXIMATELY 4" ON CENTER ALONG THE OVERLAP.
 - a. SCREWS SHALL BE ROUND HEAD GALVANIZED $\frac{1}{8}$ " DIA. $\times$ $\frac{3}{4}$ " LONG WITH WASHERS.
 - b. CABLE-TIES SHOULD BE NYLON, 8" LONG MIN. AND 75 LB TO 120 LB TENSILE.
4. EMBED THE LOWER EDGE OF THE MESH CYLINDER 1" BELOW THE SOIL SURFACE WITHOUT DISTURBING THE TREE ROOTS.
5. CUT MESH EDGES ARE NOT PERMITTED AT THE TOP OF THE CYLINDER. STAKES ARE FLUSH WITH THE TOP OF THE CYLINDER.
6. MULCH WITHIN THE CYLINDER SHALL NOT EXCEED 3" DEPTH, PULL MULCH BACK FROM THE TRUNK AS SPECIFIED IN THE MULCH PLACEMENT DETAIL.
7. THE BOTTOM WHORL OF PINE AND LARCH BRANCHES MAY REQUIRE REMOVAL TO ALLOW INSTALLATION OF 12" MIN. HEIGHT RODENT GUARDS.
8. USE ON DECIDUOUS, PINE AND LARCH TREES. DO NOT USE ON SPRUCE TREES.
9. LEAVE RODENT GUARD IN PLACE FOLLOWING FINAL ACCEPTANCE.



4

TREE TRUNK PROTECTION

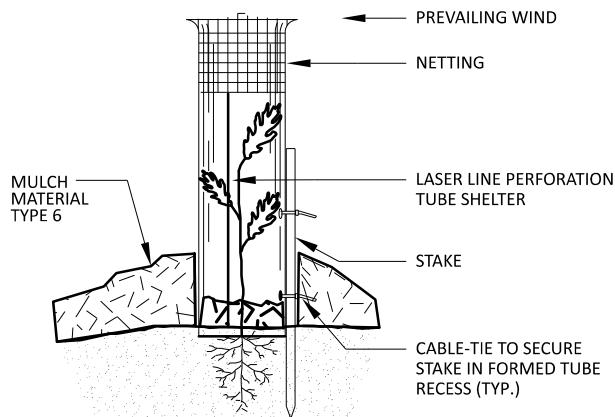
1. AVOID UNNECESSARY SLOPE DISTURBANCE.
2. REPAIR DISTURBED SOIL IMMEDIATELY TO PREVENT SOIL EROSION.
3. PLACE ROOT FLARE AT OR UP TO 2" ABOVE FINISHED GRADE.
4. SHAPE PLANTING HOLE OR BED TO BE LEVEL IN PLANTED AREA. CREATE SOIL RIDGE ON DOWNSLOPE SIDE TO HOLD WATER.



2

SLOPE PLANTING, SHALLOW

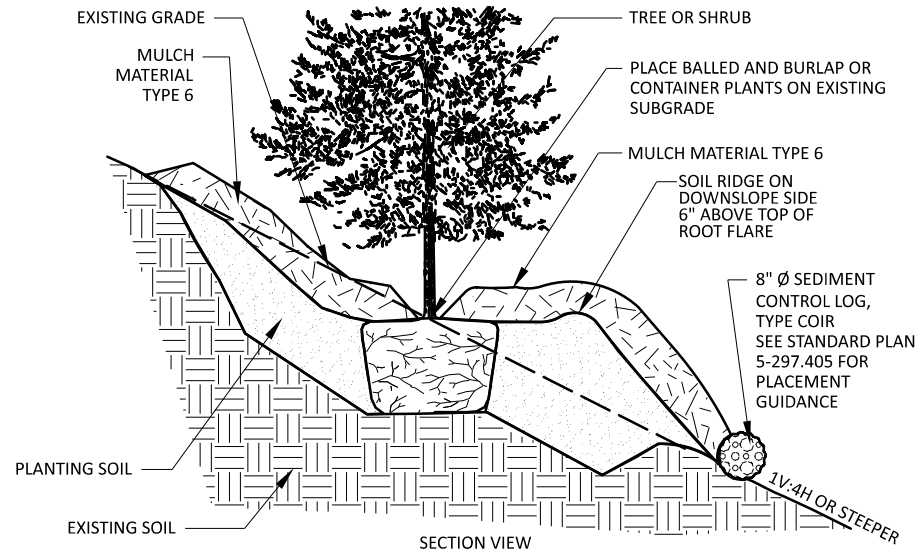
1. FOR EACH SEEDLING PLACE A SEAMLESS, EXTRUDED, TWIN-WALL, RIGID, SEMI TRANSLUCENT POLYPROPYLENE TUBE WITH A LASER LINE PERFORATION AND AN OUTWARD-FLARED TOP RIM.
2. SECURE SHELTER WITH NYLON CABLE-TIES ATTACHED TO A 1"x1" WHITE OAK STAKE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS TO PREVENT DISLODGING OR TWISTING. STAKE HEIGHT IS 12" LONGER (MIN.) THAN GROW TUBE HEIGHT.
3. EMBED THE BOTTOM OF THE TUBE A MINIMUM OF 1" BELOW THE SOIL SURFACE WITHOUT DISTURBING THE TREE ROOTS.
4. WATER TO FILL VOIDS, ADD SOIL AND REWATER.
5. APPLY TYPE 6 MULCH TO A DEPTH OF 1" - 2" INSIDE OF THE SHELTER AND 6" DEPTH TO THE WIDTH SHOWN ON THE PLANTING HOLE DIMENSIONS.
6. PLACE A PLASTIC PHOTODEGRADABLE NETTING COVER AND SLEEVE OVER THE TOP OF THE TUBE. PULL NETTING DOWN AS SHOWN.



5

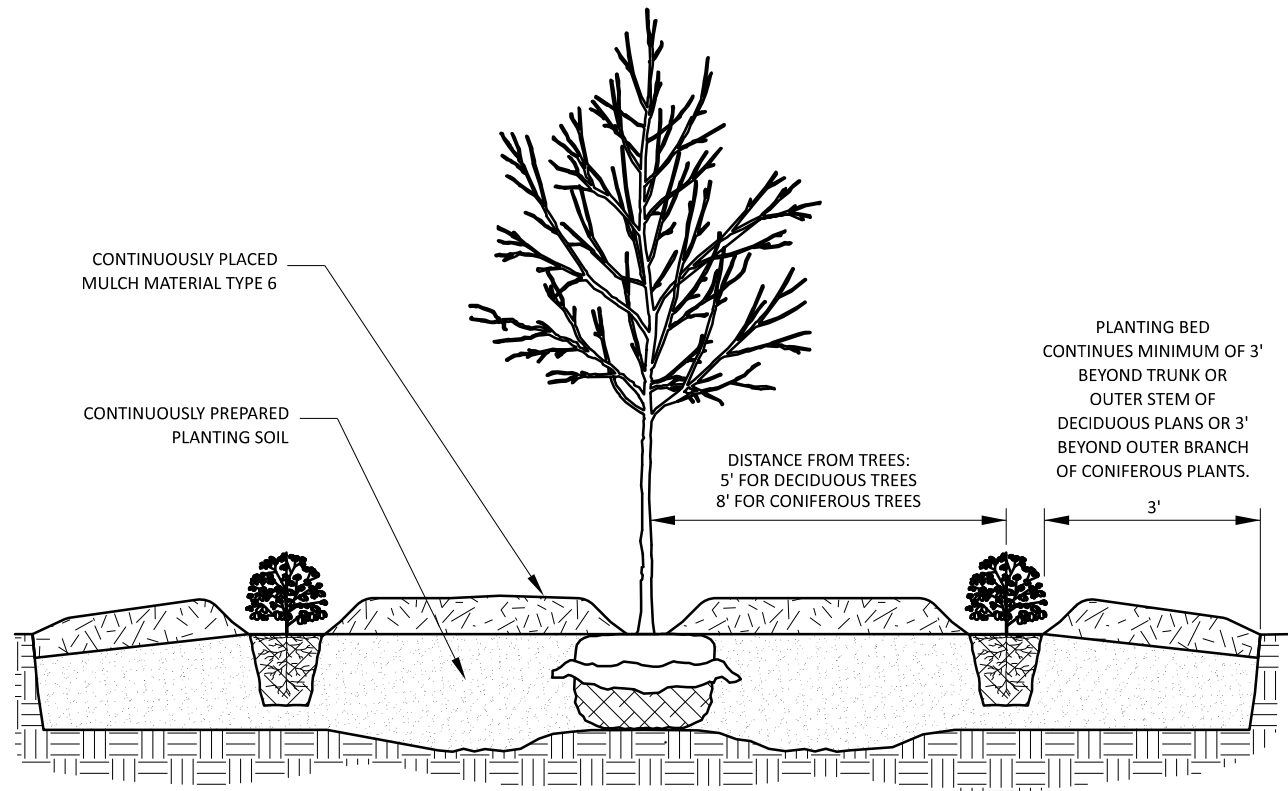
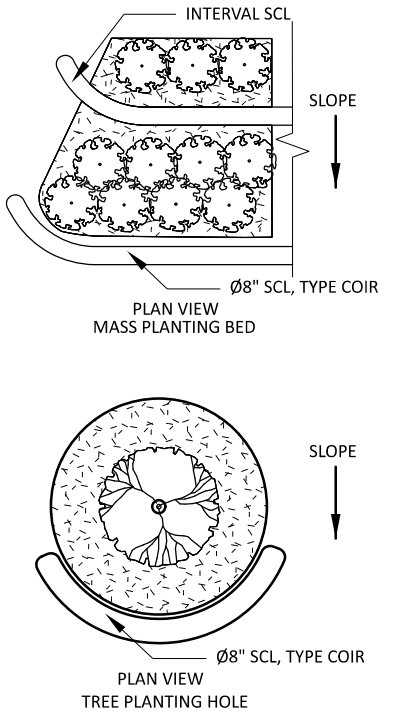
WOODY SEEDLING SHELTER

1. AVOID UNNECESSARY SLOPE DISTURBANCE.
2. REPAIR DISTURBED SOIL IMMEDIATELY TO PREVENT EROSION.
3. PLACE SEDIMENT CONTROL LOGS (SCL) IN A 2" DEPRESSION DOWNSLOPE OF PLANTING BEDS. PLACE SCL ALONG BED LENGTH WITH THE END OF THE LOG CURVED UPSLOPE (SEE PLAN VIEW).
4. IN MASS PLANTING BEDS
PLACE SCL AT THE FOLLOWING AVERAGE SPACING INTERVALS:
1V:1H SLOPE = 10 FEET APART
1V:2H SLOPE = 20 FEET APART
1V:3H SLOPE = 30 FEET APART
1V:4H SLOPE = 40 FEET APART



3

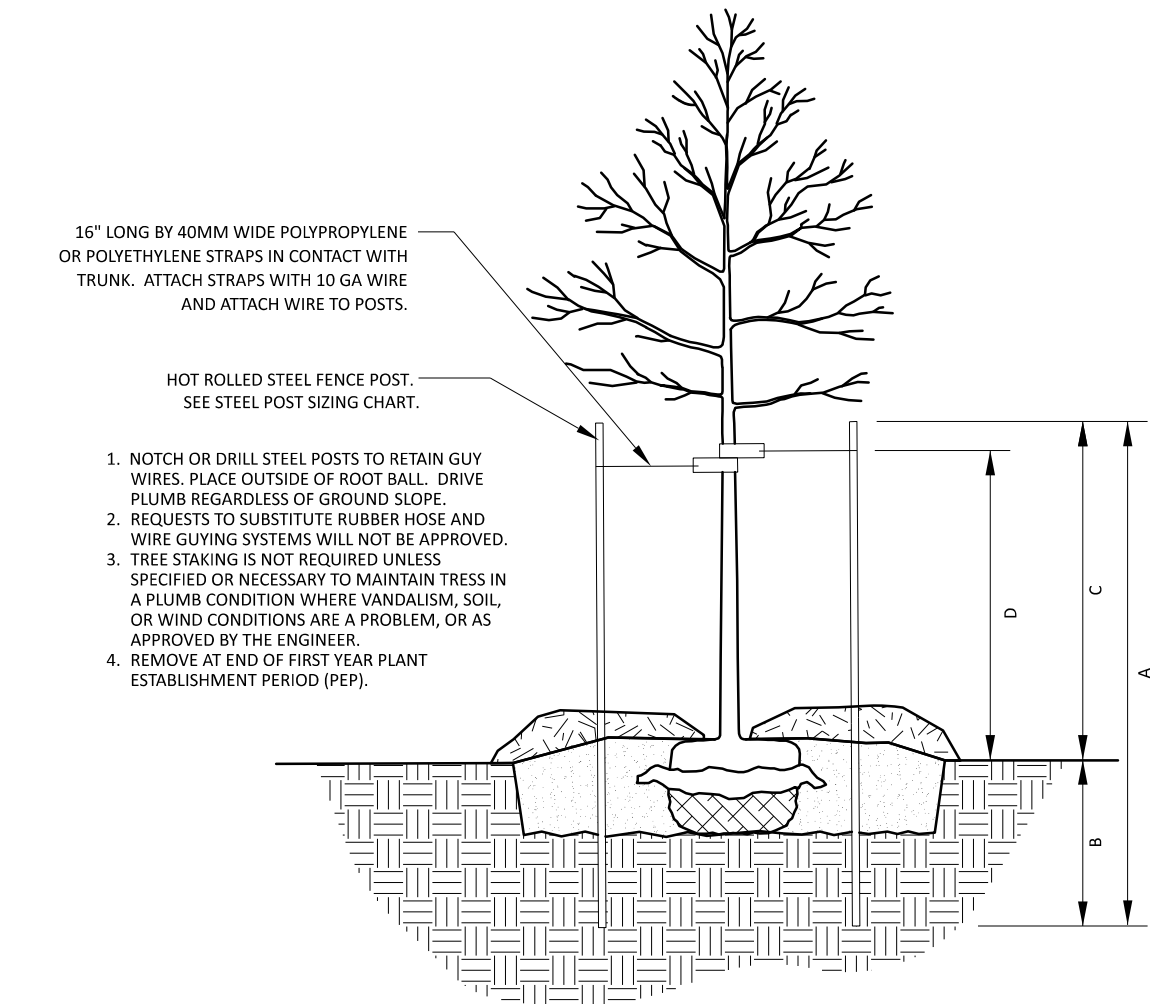
SLOPE PLANTING, STEEP



6

MASS PLANTING BED

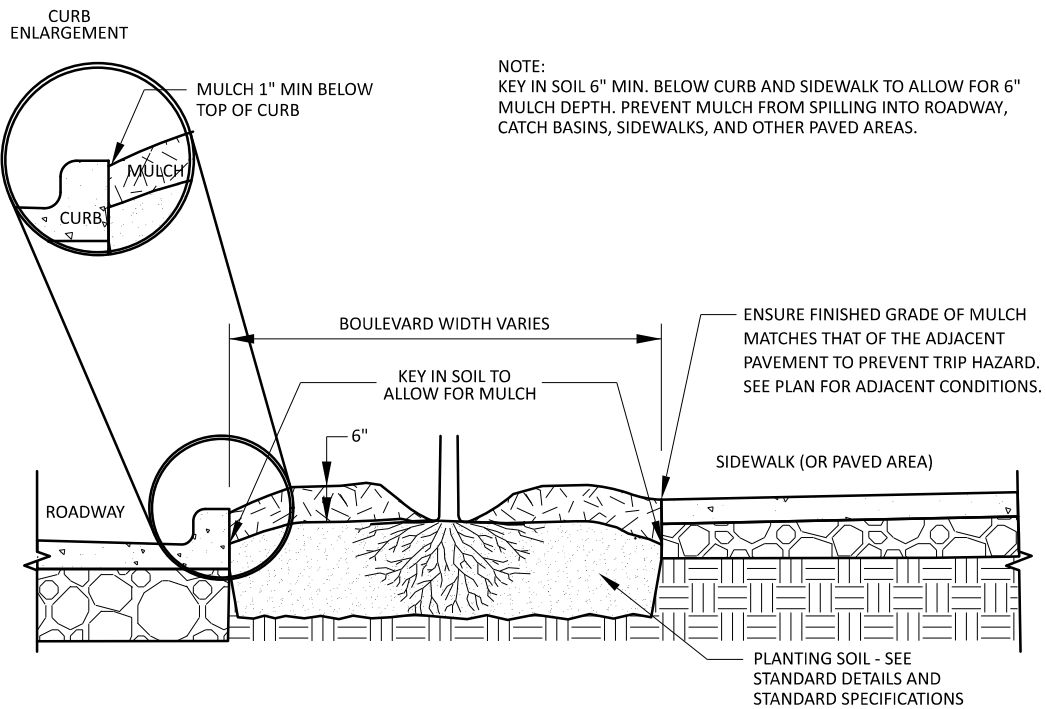
LICENSED LANDSCAPE ARCHITECT _____ DATE _____		LICENSE NUMBER 26552	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.	LEAD EXPERT OFFICE	MARNI KARNOWSKI CHIEF ENVIRONMENTAL OFFICER OFFICE OF ENVIRONMENTAL STEWARDSHIP	STANDARD PLANTING DETAILS	APPROVED: 08-12-2025 REVISED:	 THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.301	3 OF 4	
								STANDARD PLAN		STATE PROJ. NO.	SHEET NO.
										TRUNK HWY.	TOTAL SHEETS



STEEL POST SIZING					
TREE CALIPER	STEEL POST TYPE	A	B	C	D
LESS THAN 4"	HOT-ROLLED STEEL FENCE POST (SPEC. 3403) OR APPROVED EQUAL	7'	3' MIN	4'	3'
GREATER THAN 4"	2.2 LB. FLANGED CHANNEL SIGN POST (SPEC. 3401) OR APPROVED EQUAL	10'	4' MIN	6'	5'

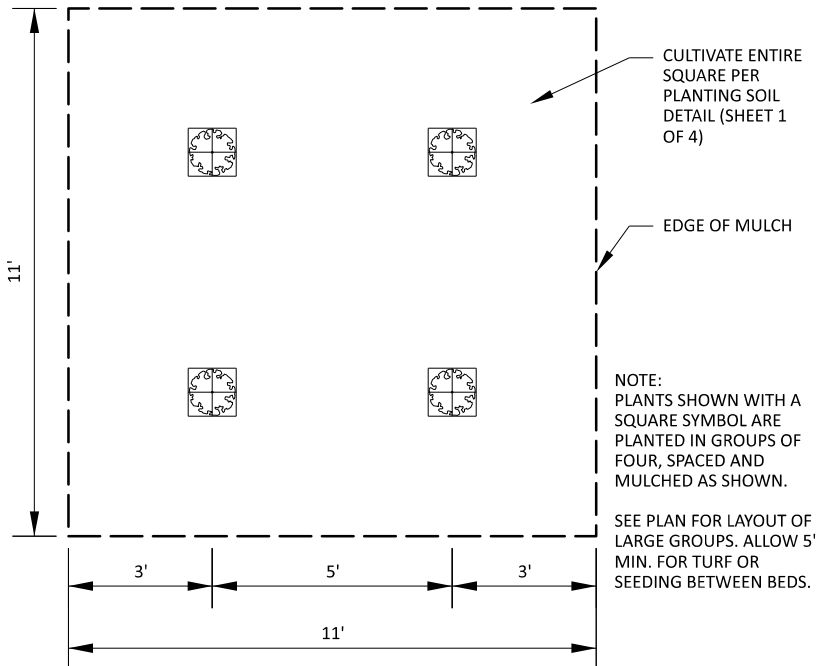
1

STAKING AND GUYING



2

MULCH AGAINST CURB, SIDEWALK, OR PAVED AREA



3

FOUR-SQUARE GROUP PLANTING

Deciduous and Coniferous Trees

Quercus rubra (Northern Red Oak)



Crataegus mollis (Downy Hawthorn)



Tilia americana (American Basswood)



Juniperus virginiana (Eastern Red Cedar)



Pinus banksiana (Jack Pine)



Quercus macrocarpa (Bur Oak)



Deciduous Shrubs

Ceanothus americanus (New Jersey Tea)



Amelanchier arborea (Downy Serviceberry)



Physocarpus opulifolius (Common Ninebark)



Cornus racemosa (Gray Dogwood)



Rosa blanda (Smooth Wild Rose)



Corylus americana (American Hazelnut)



Prunus americana (American Plum)

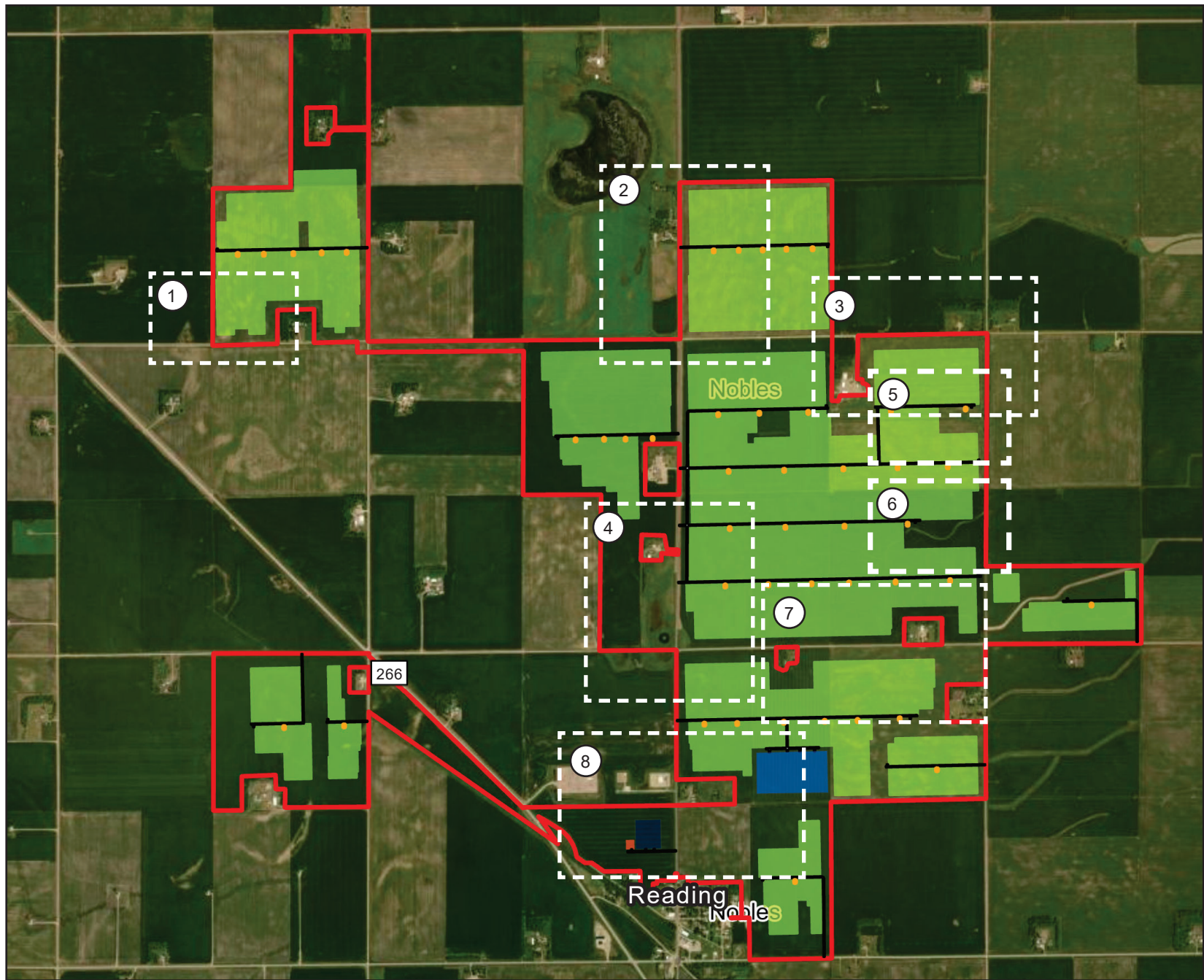


Rhus glabra (Smooth Sumac)



Viburnum rafinesquianum (Downy Arrowwood Viburnum)





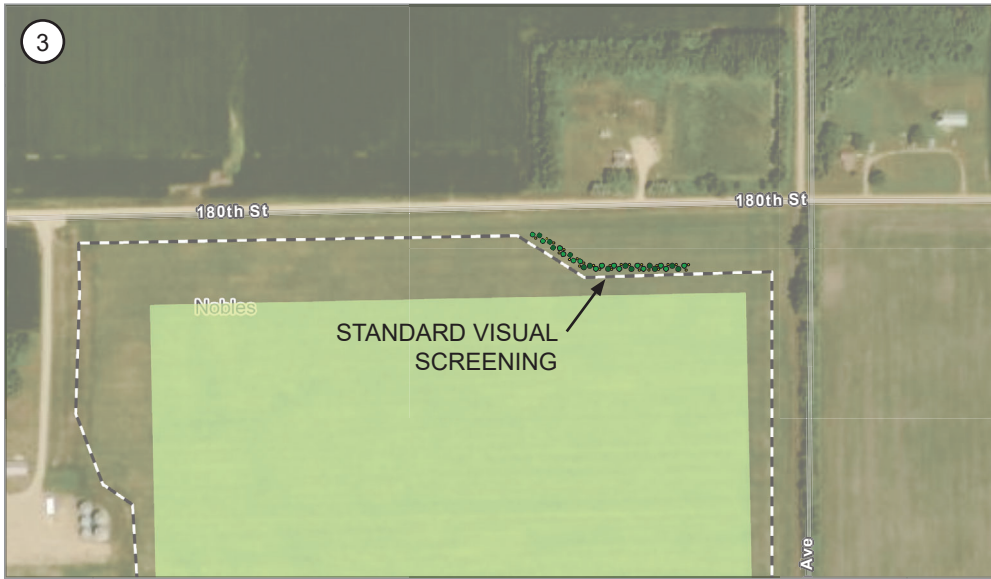
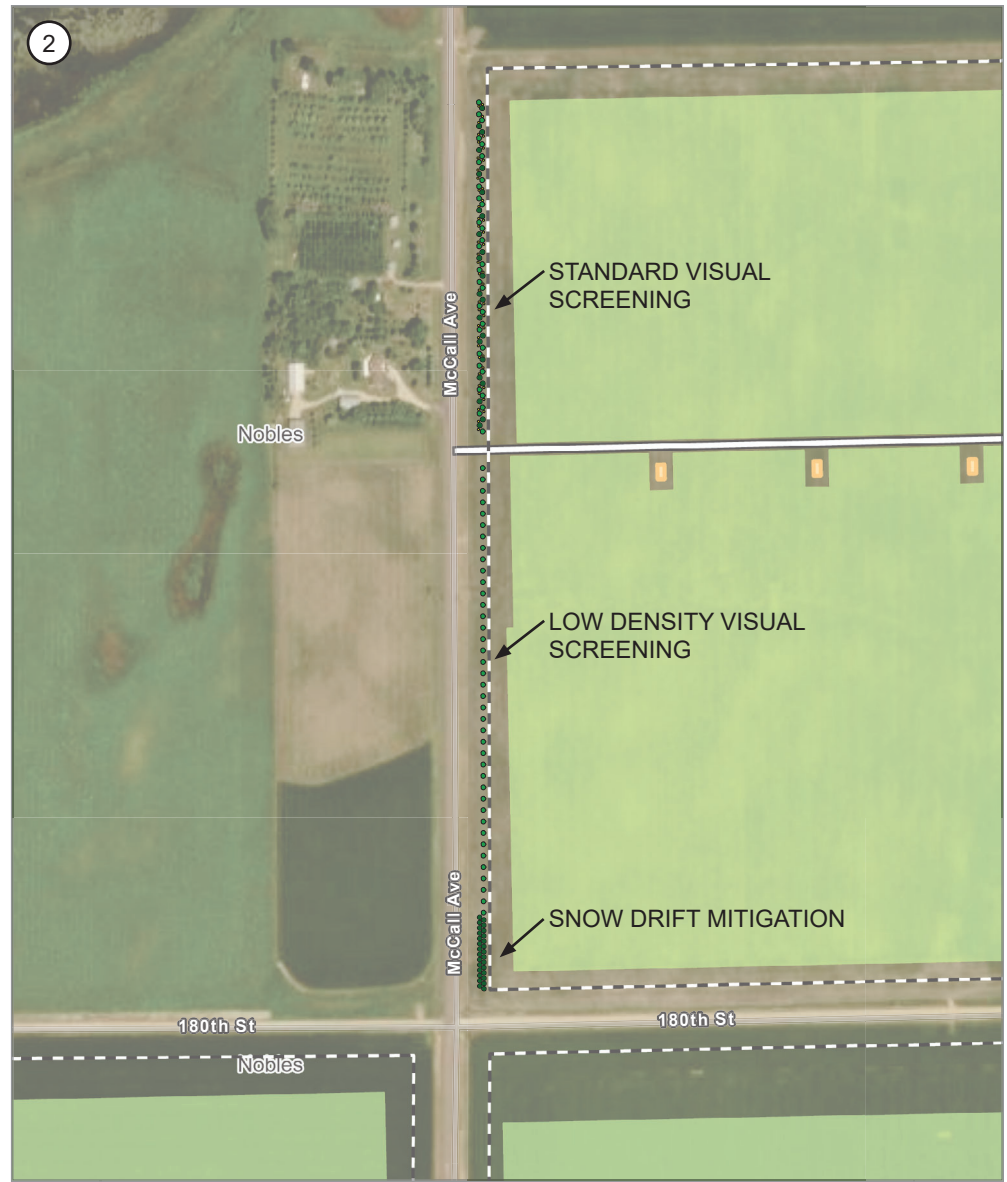
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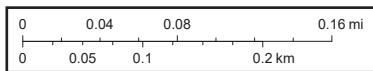
**FIGURE 1 VEGETATION SCREENING
SUMMIT LAKE SOLAR**

VEGETATION SCREENING PLAN FOR LAYOUT REVIEW
NOT TO SCALE
NOT FOR CONSTRUCTION USE



- Security Fence
- Solar Array
- Project Boundary

- Deciduous Trees
- Conifer Trees
- Deciduous Shrubs



12/03/2025

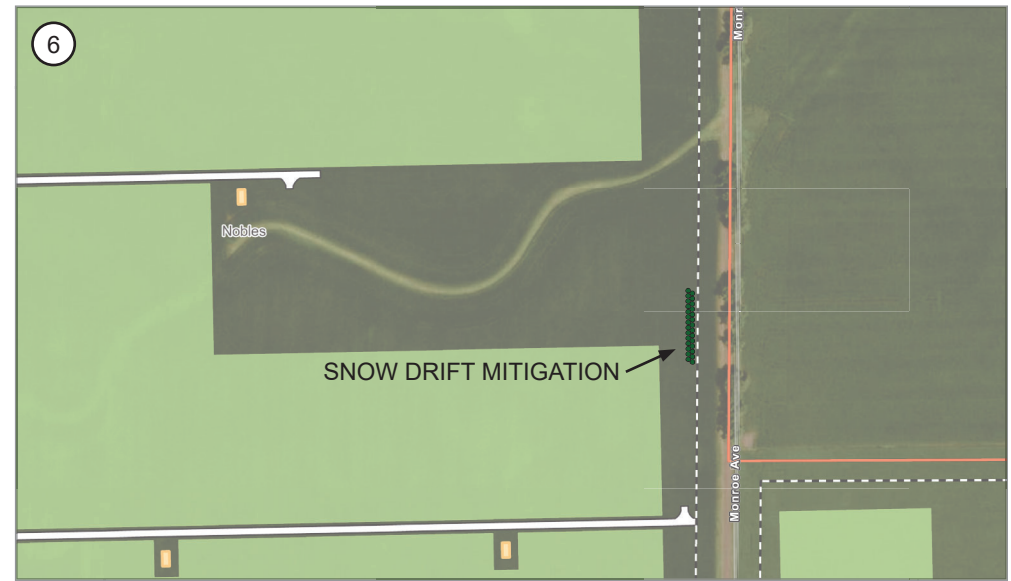


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FIGURE 1 VEGETATION SCREENING

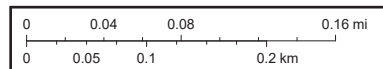
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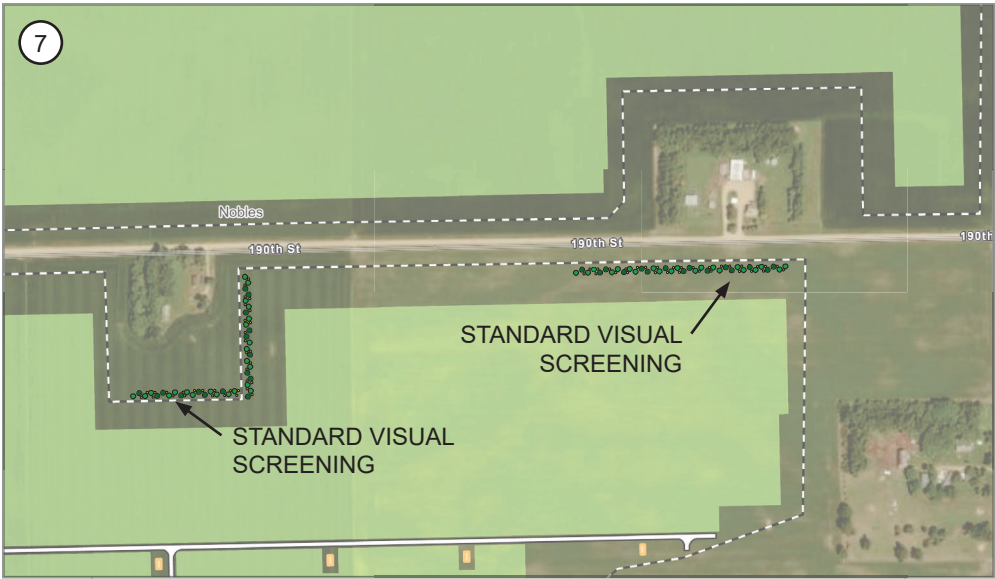


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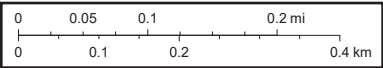
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