# SV CSG WILSON SCHOOL SOLAR, LLC

(42.053991°,-88.352688°)

PV SYSTEM DETAILS		
ARRAY TYPE:	SINGLE AXIS TRACKER (SAT)	
DC SYSTEM SIZE:	7.73136 MW DC	
DC SYSTEM VOLTAGE:	1500 V	
AC SYSTEM SIZE:	5 MVA @PF=1	
DC/AC RATIO:	1.546272	
MODULE QTY/TYPE:	(13,104) HANWHA-QCELL: Q.PEAK DUO XL-G11S SERIES, BIFACIAL	
MODULE WATTAGE:	590W	
INVERTER QTY/TYPE:	(42) KACO 125 TL3 M1 WM OD (XL) 600V:120.3A ; 3φ + PE	
INVERTER AC OUTPUT :	(40) POWER LIMIT TO 119KW (2) POWER LIMIT TO 120KW	
STRING SIZE:	(24) MODULES PER STRING (546) TOTAL STRINGS	
OPTIMIZER TYPE:	N/A	
RACKING:	TBD	
CLAMPS:	NA	
AZIMUTH:	90°	
INTER-ROW SPACING:	24'-1" (CENTER TO CENTER SPACING)	
ARRAY TILT:	+/- 52° (SAT)	
SITE INFORMATION		
FENCE LINEAR FEET:	5,370' L.F.	
APPROXIMATE SITE ACREAGE:	33.96 ACRES (INSIDE FENCE)	
UTILITY INFORMATION		
UTILITY COMPANY:	COMED	
UTILITY COMPANY CONTACT: TBD	PHONE: NA	
UTILITY PROJECT MANAGER: TBD	PHONE: NA	
INTERCONNECTION VOLTAGE:	12.47 kV	







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**ELECTRICAL ENGINEER STAMP:** 

PROFESSIONAL ENGINEER STAMPS

10% INTERCONNECTION
PLAN SET

LICENSED ELECTRICAL ENGINEER certifies that they prepared all the electrical "E" sheets in this drawing set.

LICENSED STRUCTURAL ENGINEER certifies that they prepared all of the structural "S" sheets in this drawing set.

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1	07/15/25	REVISED LANDSCAPE PLAN
0	07/10/25	
REV	SET/DATE	NOTES
DRAWN BY: TG		CHECKED BY: OS, BN

SCALE: AS NOTED JOB NO: 02082

SV CSG WILSON SCHOOL SOLAR, LLC

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SHEET TITLE

TITLE SHEET

DWG. NO.

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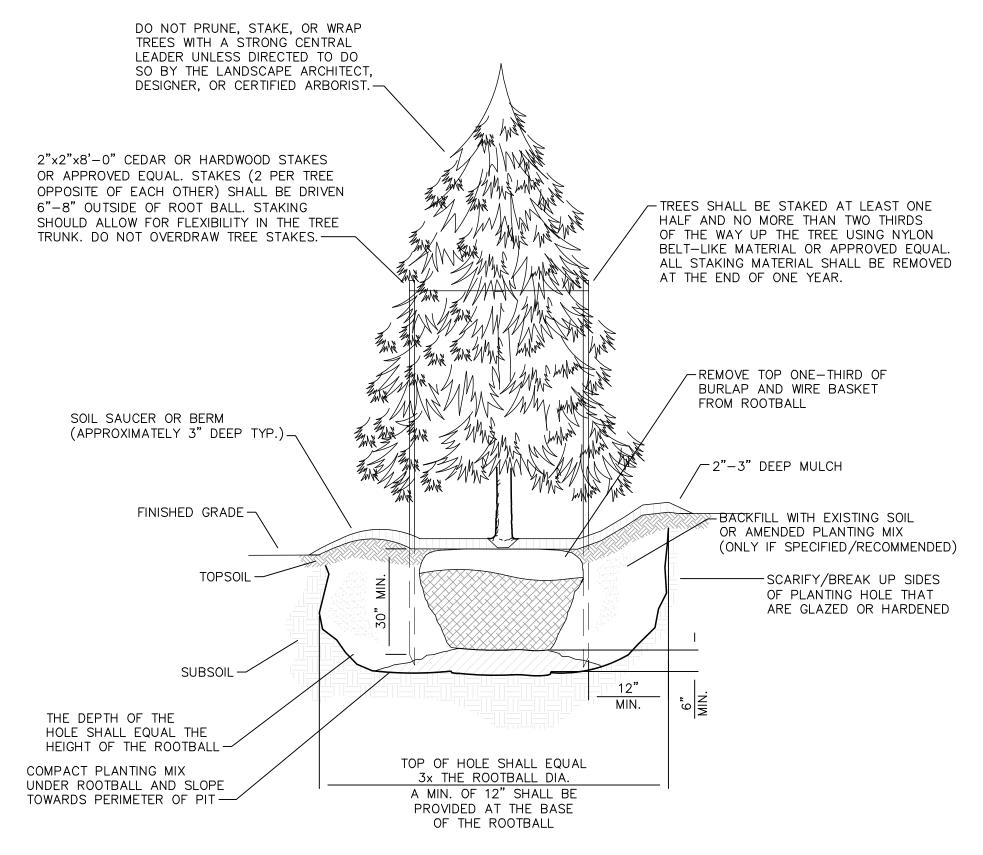


#### GENERAL LANDSCAPE AND SEEDING NOTES

- 1. THE LANDSCAPE PLAN AND DETAILS ARE FOR LANDSCAPING INFORMATION ONLY. PLEASE REFER TO THE SITE LAYOUT PLAN, GRADING PLAN AND/OR UTILITIES PLAN FOR ALL OTHER INFORMATION.
- 2. THE CONTRACTOR SHALL MONITOR AND GUARANTEE THAT ALL PLANTS, TREES, AND SHRUBS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF (1) ONE YEAR AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER. CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE INVASIVE SPECIES MONITORING, REMOVAL, AND SUPPLEMENTATION. MONITORING OF THE PROJECT SITE SHALL OCCUR IN THE SPRING AND THE FALL TO DETERMINE THE PRESENCE OF INVASIVE SPECIES. SHOULD ANY INVASIVE SPECIES BE IDENTIFIED WITHIN THE PROJECT SITE, THE INVASIVE SPECIES SHALL BE REMOVED ACCORDING TO METHODS MOST LIKELY TO BE EFFECTIVE IN CONTROLLING THAT SPECIES AND SUPPLEMENTING ITS REPLACEMENT WITH APPROPRIATE VEGETATION AND SEED MIX IDENTIFIED (AND APPROVED) ON THIS PLAN AND/OR AN APPROVED EQUAL. ADDITIONAL MAINTENANCE RESPONSIBILITIES INCLUDE: APPROVED CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING OF TREE STRAP GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL 90 DAYS AFTER FINAL ACCEPTANCE.
- 3. THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, APPROVED SEEDING MIX, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWING(S) AND LISTED IN THE PLANT SCHEDULE(S) AND/OR SEEDING TABLE(S). IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND/OR SEEDING TABLE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACCLIMATED BY THE SUPPLY NURSERY TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL HAS BEEN GROWN FOR A MINIMUM OF (2) TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT.
- 4. THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO SLOPE, VEGETATION, AND SITE FACTORS SUCH AS THE LOCATION OF ROCK OUTCROPS. PRIOR TO PLANTING THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS. THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT SHALL APPROVE THE FIELD LOCATIONS OR ADJUSTMENTS OF THE PLANT MATERIAL.
- 5. ALL SHRUB MASSING SHALL BE MULCHED TO A DEPTH OF 2" AND SHREDDED HARDWOOD BARK MULCH SHALL BE USED FOR SHRUB MASSING AREAS.
- 6. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE CONTRACTOR. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT. STAKING OF THE INSTALLED TREE MUST BE COMPLETED THE SAME DAY AS IT IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED AS PER THE DETAIL. SEE LANDSCAPING PLAN(S) FOR PLANTING DETAILS.
- 7. COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. SEE SITE LAYOUT, GRADING AND/OR UTILITY PLANS FOR STORM, SANITARY, GAS, ELECTRIC, TELEPHONE AND WATER LINES. UTILITY LOCATIONS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
- 8. ALL PLANT MATERIAL SHALL CONFORM WITH STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND THE PLANTING SCHEDULE.
- 9. ANY TREE WRAP WILL BE REMOVED AND PROPERLY DISPOSED OF FOLLOWING INSTALLATION.
- 10. LANDSCAPE PLANTING PITS MUST BE FREE DRAINING. PAVEMENT, COMPACTED SUBGRADE, AND BLASTED ROCK SHALL BE REMOVED TO A DEPTH OF 2' OR TO A GREATER DEPTH IF REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS. REPLACE SOIL WITH MODERATELY COMPACTED LOAM OR SANDY LOAM FREE FROM STONES AND RUBBISH 1" OR GREATER IN DIAMETER AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT. PLANTING INSTALLATION SHALL BE AS DETAILED AND CONTAIN PLANTING MIX AS SPECIFIED UNLESS RECOMMENDED OTHERWISE BY SOIL ANALYSIS.
  - PLANTING SOIL MIXTURE:
  - 2 PARTS PEAT MOSS
  - MYCORHIZA INOCULANT "TRANSPLANT 1—STEP" AS MANUFACTURED BY ROOTS, INC. OR APPROVED EQUAL. USE PER MANUFACTURER'S RECOMMENDATIONS FOR TREES AND SHRUBS. FERTILIZER/LIME APPLY AS RECOMMENDED BY SOIL ANALYSIS
  - TREES, AND SHRUBS: TREES AND SHRUBS SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED AND HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCATION OF THE PROJECT. THEY SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, WELL—BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE. THEY SHALL HAVE HEALTHY AND WELL—DEVELOPED ROOT SYSTEMS. ALL TREES SHALL HAVE STRAIGHT SINGLE TRUNKS WITH THEIR MAIN LEADER INTACT UNLESS OTHERWISE STATED. THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT SHALL ONLY PERMIT SUBSTITUTIONS UPON WRITTEN APPROVAL. THEIR SIZES SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE DRAWINGS. PLANTS LARGER THAN SPECIFIED ON THE DRAWINGS MAY BE USED IF APPROVED. THE USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. ALL TREES AND SHRUBS SHALL BE MULCHED IN ACCORDANCE WITH THE RESPECTIVE PLANTING DETAIL(S) PROVIDED IN THE LANDSCAPING PLAN.
  - ALL PRUNING SHALL CONFORM TO THE TREE CARE INDUSTRY ASSOCIATION (TCIA) ANSI A300 (PART 1) 2017 PRUNING STANDARDS. PRUNING STANDARDS SHALL RECOGNIZE BUT, ARE NOT LIMITED TO, THE FOLLOWING PRUNING OBJECTIVES: MANAGE RISK, MANAGE HEALTH, DEVELOP STRUCTURE, PROVIDE CLEARANCE, MANAGE SIZE OR SHAPE, IMPROVE AESTHETICS, MANAGE PRODUCTION OF FRUIT, FLOWERS, OR OTHER PRODUCTS, AND/OR MANAGE WILDLIFE HABITAT. DEVELOPING STRUCTURE SHALL IMPROVE BRANCH AND TRUNK ARCHITECTURE, PROMOTE OR SUBORDINATE CERTAIN LEADERS, STEMS, OR BRANCHES; PROMOTE DESIRABLE BRANCH SPACING; PROMOTE OR DISCOURAGE GROWTH IN A PARTICULAR DIRECTION (DIRECTIONAL PRUNING); MINIMIZE FUTURE INTERFERENCE WITH TRAFFIC, LINES OF SIGHT, INFRASTRUCTURE, OR OTHER PLANTS; RESTORE PLANTS FOLLOWING DAMAGE; AND/OR REJUVENATE SHRUBS. PROVIDING CLEARANCE SHALL ENSURE SAFE AND RELIABLE UTILITY SERVICES; MINIMIZE CURRENT INTERFERENCE WITH TRAFFIC, LINES OF SITE, INFRASTRUCTURE, OR OTHER PLANTS; RAISE CROWN(S) FOR MOVEMENT OF TRAFFIC OR LIGHT PENETRATION; ENSURE LINES OF SIGHT OR DESIRED VIEWS; PROVIDE ACCESS TO SITES, BUILDINGS, OR OTHER STRUCTURES; AND/OR COMPLY WITH REGULATIONS.
  - TOPSOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4 INCHES. CONTRACTOR SHALL SUBMIT TOPSOIL TO A CERTIFIED TESTING LABORATORY TO DETERMINE PH, FERTILITY, ORGANIC CONTENT AND MECHANICAL COMPOSITION. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS FROM REGIONAL EXTENSION OFFICE OF USDA TO THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR SHALL INCORPORATE AMENDMENTS FOR GOOD PLANT GROWTH AND PROPER SOIL ACIDITY RECOMMENDED FROM THE TOPSOIL TEST.
  - NO PHOSPHOROUS SHALL BE USED AT PLANTING TIME UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY A HORTICULTURAL TESTING LAB AND SOIL TESTS SPECIFICALLY INDICATE A PHOSPHOROUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS/GRASSES AND PLANTINGS FROM ESTABLISHING PROPERLY.
  - F SOIL TESTS INDICATE A PHOSPHOROUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHOROUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL APPLICABLE STANDARDS, REQUIREMENTS, AND/OR REGULATIONS.
  - ALL SLOPES GREATER THAN 3:1 RECEIVING A WILDFLOWER, WETLAND, AND/OR GRASS SEEDING MIXTURE SHALL BE COVERED WITH AN EROSION CONTROL BLANKET.
  - ALL WILDFLOWERS AND GRASSES SOWED SHALL BE ALLOWED TO GROW TO THEIR NATURALLY OCCURRING HEIGHTS WHENEVER POSSIBLE. NATIVE WILDFLOWERS AND/OR GRASSES CAN BE MOWED/MAINTAINED (WITHIN ACCEPTABLE AREAS IDENTIFIED AND/OR APPROVED BY APPROPRIATE REGULATORY AGENCIES) AS OFTEN AS NEEDED TO KEEP THE VEGETATION AT A DESIRED AND/OR MANAGEABLE/MANICURED HEIGHT.

## GENERAL MAINTENANCE NOTES

NO PESTICIDES OR HERBICIDES WILL BE USED AS PART OF GROUNDS MAINTENANCE ACTIVITIES.



EVERGREEN TREE PLANTING

#### NOTES:

- TREE PLANTING SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IT WAS PRE-DUG IN THE NURSERY.

  NEVER CUT THE PRIMARY LEADER.
- IT IS NOT RECOMMENDED TO AMEND THE EXISTING SOIL BEFORE BACKFILLING THE HOLE UNLESS SOIL CONDITIONS ARE POOR FOR PLANTING.
- WATER THOROUGHLY TO HELP ENSURE THE REMOVAL OF AIR POCKETS AND PROPERLY SET THE TREE.

NOT TO SCALE

LOW PROFILE PRAIRIE SEED MIX			
			<del></del>
BOTANICAL NAME	COMMON NAME		PLS OUNCES/ACRE
PERMANENT GRASSES:			
Bouteloua curtpendula	Side Oats Crama		
Schizachyrium scopariuym	Little Bluestem		
Sporobolus heterolepis	Prairie Dropseed		
	Total		
TEMPORARY COVER:			
Avena sativa	Common Oat		
Lolium multiflorum	Annual Rye		
	Total		
FORBS:			
Allium cernuum	Nodding Wild Onion		
Amorpha canescens	Lead Plant		
Aquilegia canadensis	Wild Columbine		
Ascepias tuberosa	Butterfly Milkweed		
Astragalus canadensis	Canadian Milk Vetch		
Baptistia lactea	White Wild Indigo		
Chamaecrista fasciculata	Partridge Pea		
Coreopsis palmata	Prairie Coreopsis		
Dalea candidum	White Prairie Clover		
Dalea purpurea	Purple Prairie Clover		
Echinacea pallida	Pale Purple Coneflower		
Kuhunia eupatoides	False Bone-Set		
Lespedeza capitata	Round-Head Bush Clover		
Liatris aspera	Rough Blazing Star		
Potentilla arguta	Prairie Cinquefoil		
Pycnathemum virginianum	Common Mountain Mint		
Rudbeckia hirta	Black-Eyed Susan		
Silphium terebinthinaceum	Prairie Dock		
Solidago juncea	Early Goldenrod	$\vdash$	
Solidago rigida	Stiff Goldenrod		
Tradescantia ohiensis	Common Spiderwort	$\vdash$	
Verbena stricta	Hoary Vervain	$\vdash$	
Zizia aurea	Golden Alexanders		
	Total	$\dashv$	
	E PRAIRIE SEED MIX UNI		

INSTALL LOW PROFILE PRAIRIE SEED MIX UNDER SOLAR ARRAYS AND WITHIN THE PROPERTY BOUNDARY

#### LANDSCAPE MANAGEMENT PLAN

#### GENERAL NOTES

- GROUNDS MAINTENANCE WILL OCCUR AS NEEDED ON SITE.
   APPROPRIATE EQUIPMENT WILL BE USED FOR ALL GROUNDS MAINTENANCE ACTIVITIES. THIS SHOULD INCLUDE RIDE ALONG TRACTOR MOUNTED MOWERS, HAND AND PUSH MOWERS, HANDHELD EQUIPMENT INCLUDING BUT
- NOT LIMITED TO WEED WACKERS, TRIMMERS, AND HEDGERS.

  3. THE USE OF CHEMICALS WILL BE LIMITED TO THAT NECESSARY AND AVOIDED TO THE MAXIMUM EXTENT PRACTICABLE. ALL CHEMICAL CONTROL TREATMENTS WILL BE PERFORMED BY, OR PERFORMED UNDER THE DIRECT SUPERVISION OF, AN ILLINOIS CERTIFIED PESTICIDE APPLICATOR OR TECHNICIAN.

#### INVASIVE SPECIES AND WEEDS

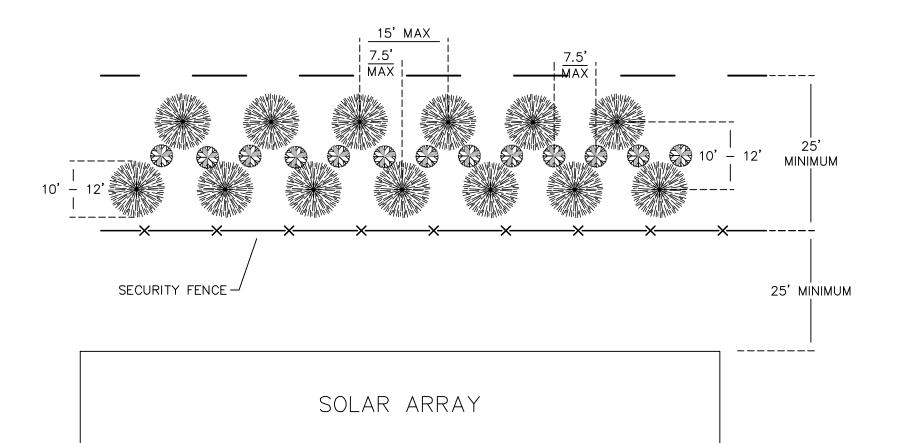
- 1. INVASIVE SPECIES AND OTHER WEEDS WILL BE REMOVED AND CONTROLLED THROUGHOUT THE PROJECT AREA
- DURING OPERATION OF THE PROJECT.

  2. EMPHASIS WILL BE PLACED ON REMOVAL OF INVASIVE AND NOXIOUS WEED SPECIES FROM BUFFER AREAS TO MAINTAIN BUFFER HEALTH AND SCREENING PROPERTIES.

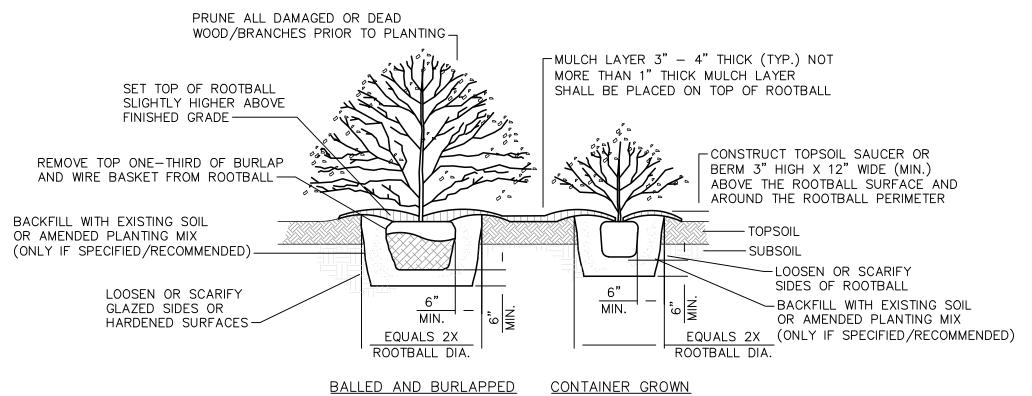
EVERGREEN PLANT LIST				
PLANT ID	PLANT QUANTITY	Scientific Name COMMON NAME	TYPE/SIZE	COMMENTS
То	263	Thuja occidentalis EMERALD GREEN	4' MIN.	B & B
SHRUB PLANT LIST				
PLANT ID	PLANT QUANTITY	Scientific Name COMMON NAME	TYPE/SIZE	COMMENTS
Vd	262	Viburnum dentatum ARROWHEAD VIBURNUM	#3 Container	

# VEGETATIVE BUFFER PLANT LIST

NOT TO SCALE



# VEGETATIVE BUFFER SPACING DIAGRAM NOT TO SCALE



SHRUB PLANTING

## NOT TO SCALE

- IN AREAS WITH MASS PLANTINGS, CONTINUOUS EXCAVATION AND MULCHING PRACTICES SHALL BE IMPLEMENTED WHENEVER POSSIBLE
- IT IS NOT RECOMMENDED TO AMEND THE EXISTING SOIL BEFORE BACKFILLING THE HOLE UNLESS SOIL CONDITIONS ARE POOR FOR PLANTING.
- WATER THOROUGHLY TO HELP ENSURE THE REMOVAL OF AIR POCKETS.



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LANDSCAPE DETAILS

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