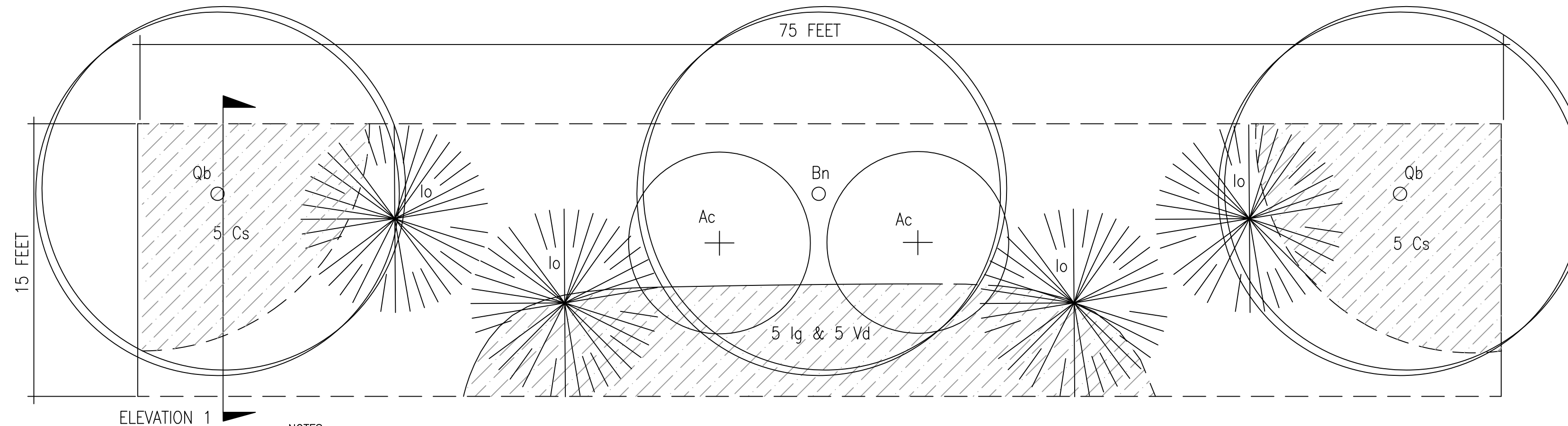


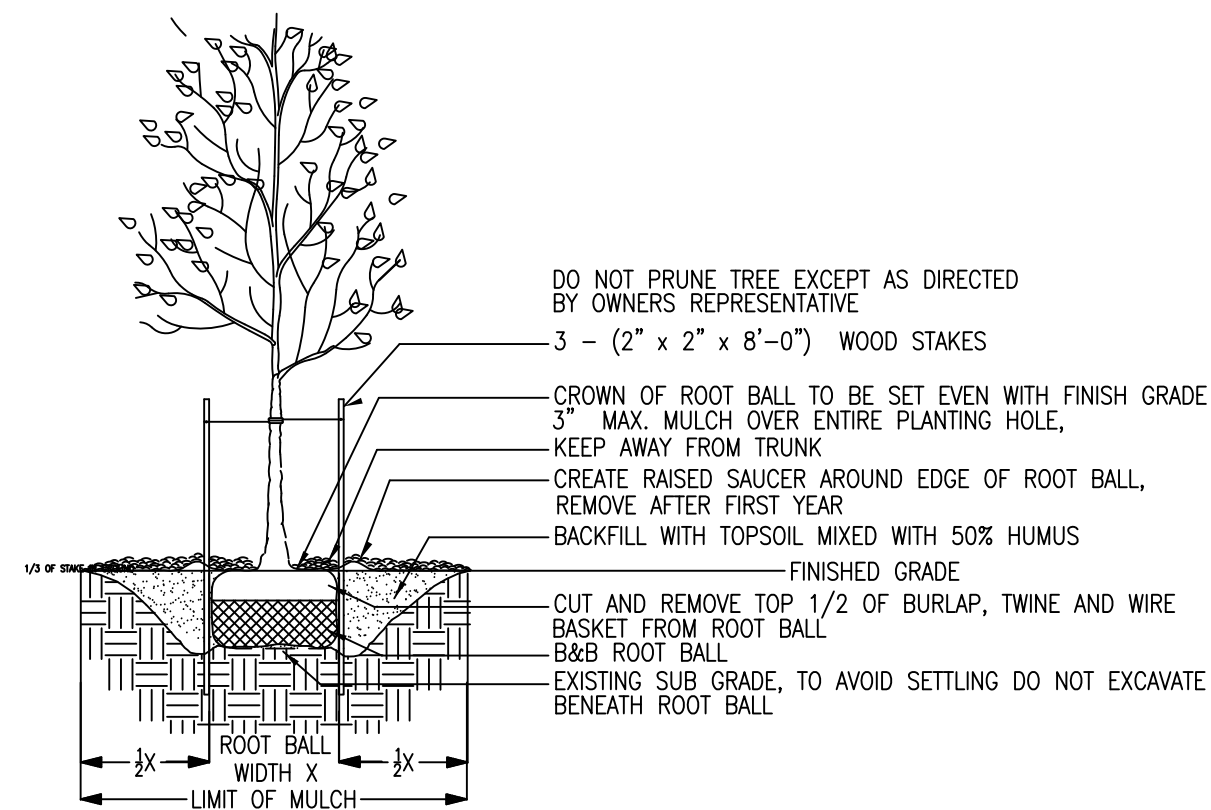
- NOTES:  
1. DEER PROTECTION REQUIRED AROUND SHRUB PLANTINGS.

1 TYPICAL SHRUB PLANTING DETAIL  
N.T.S.



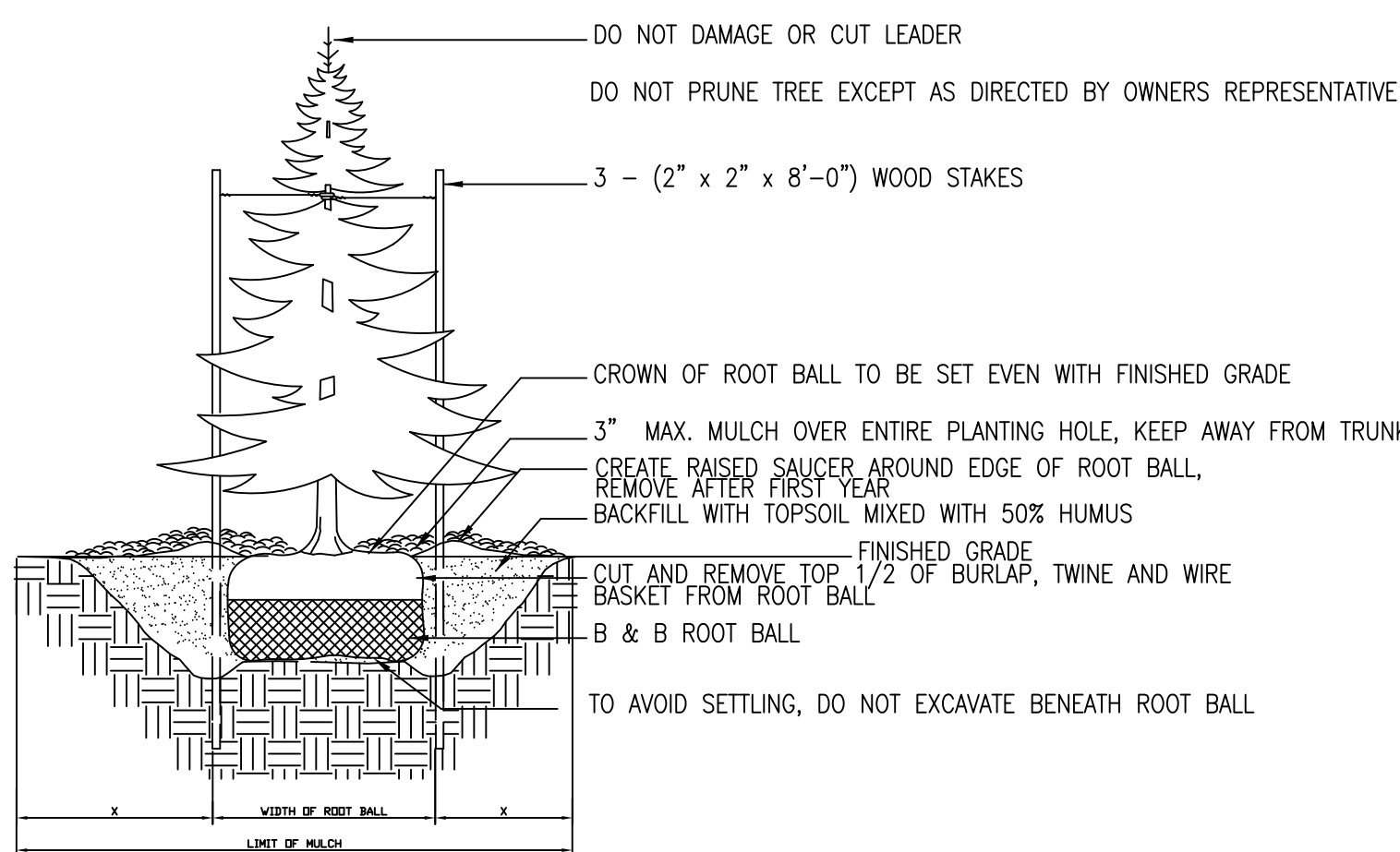
- NOTES:  
1. PLANTING LAYOUT ILLUSTRATED IN THE SCREENING/BUFFER IS CONCEPTUAL ONLY, AND IS SUBJECT TO REVIEW AND APPROVAL BY THE TOWNSHIP IN THE FIELD.  
2. USE SPECIES FROM BUFFER/SCREEN PLANT SPECIES LIST
- NUMBER OF PLANTS REQUIRED:  
20 SHRUBS  
4 EVERGREEN UNDERSTORY TREES  
2 DECIDUOUS UNDERSTORY TREES  
3 CANOPY TREES

4 SCREENING/BUFFER PLANTING  
1" = 10'



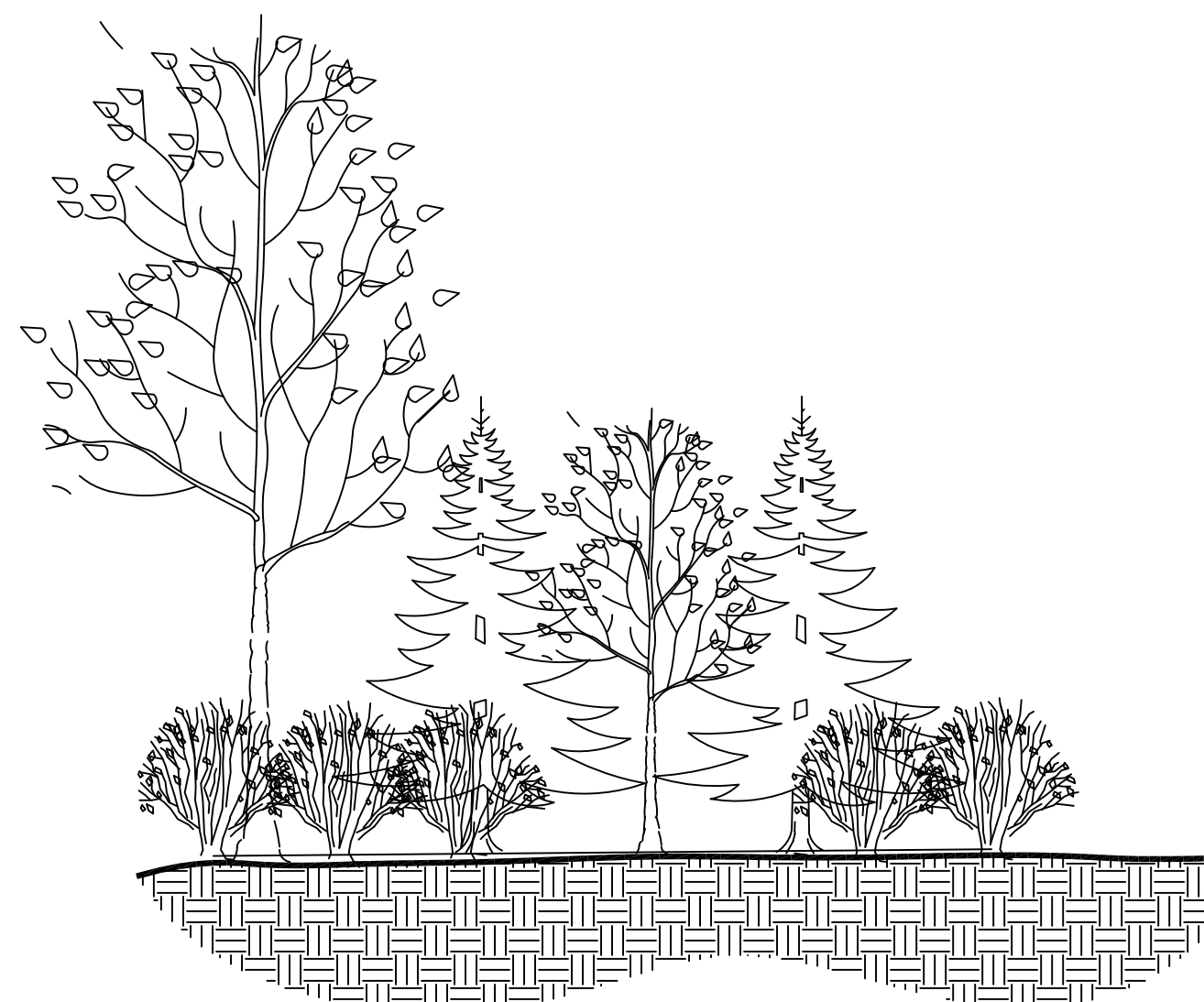
- NOTES:  
1. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE.  
2. WATER THOROUGHLY AFTER INSTALLATION.  
3. REMOVE SAUCER AND STAKES TWO YEARS OR LESS AFTER INSTALLATION.  
4. CONTRACTOR IS NOT TO USE TREE WRAP.  
5. DEER PROTECTION FENCING REQUIRED AROUND TREE PLANTINGS.

2 TYPICAL TREE PLANTING DETAIL  
N.T.S.

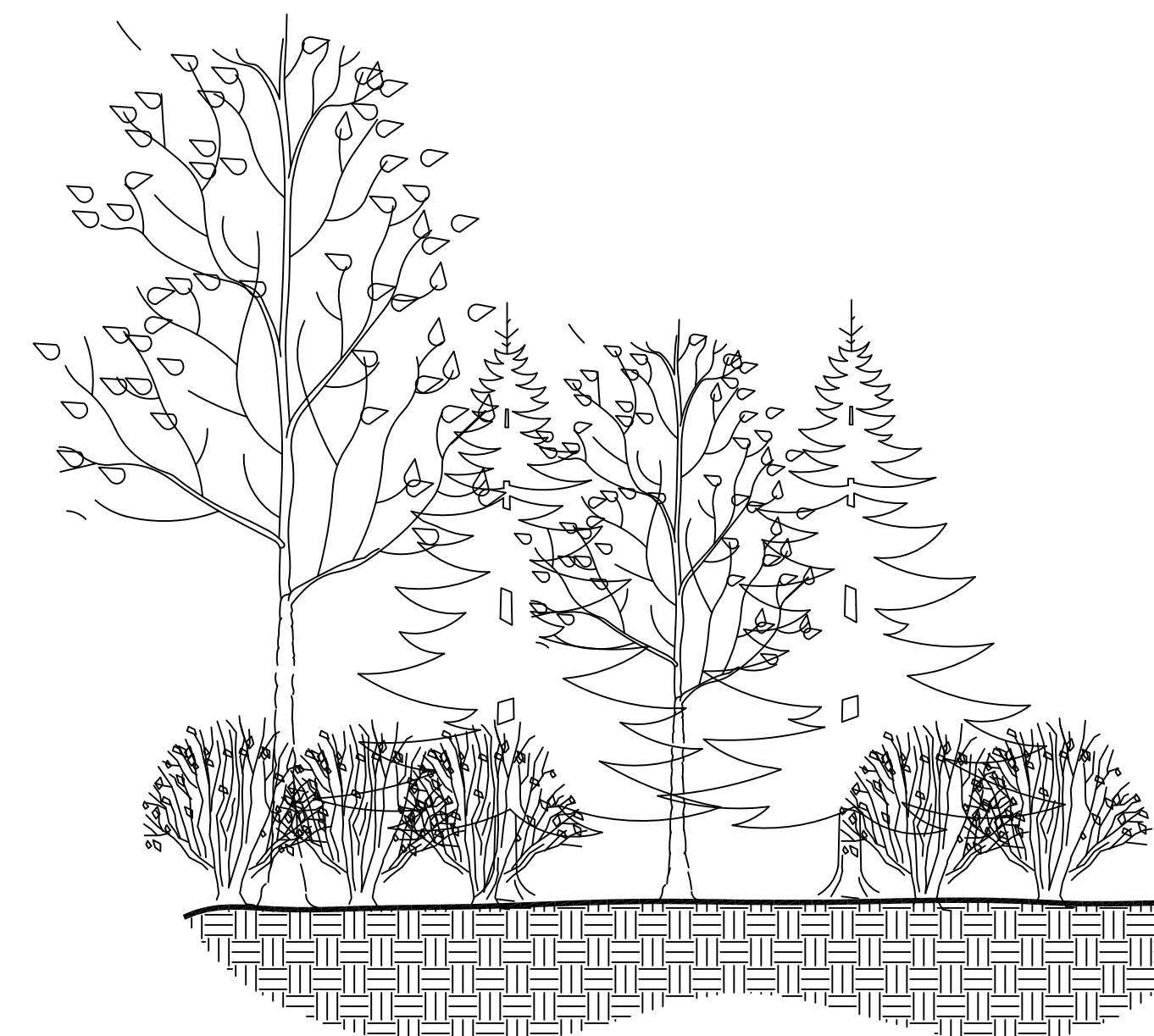


- SPECIFICATIONS:  
1. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE.  
2. WATER THOROUGHLY AFTER INSTALLATION.  
3. REMOVE SAUCER AND STAKES TWO YEARS OR LESS AFTER INSTALLATION.  
4. DEER PROTECTION REQUIRED AROUND TREE PLANTINGS

3 TYPICAL EVERGREEN PLANTING DETAIL  
N.T.S.



5 SCREENING/BUFFER ELEVATION 1  
1" = 3'



6 SCREENING/BUFFER ELEVATION 1  
1" = 3'

PLANTING SCHEDULE

KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT
<b>Shrub Species</b>					
Cs	10	Cornus sericea	Redosier Dogwood	36" min.	B&B
Ig	5	Ilex glabra	Inkberry (EG)	36" min.	B&B
Lg	46	Ligustrum sp.	Privet (Hedge form)	24" min.	B&B
Tm	30	Taxus media 'densiformis'	Spreading Yew	36" min.	B&B
Vd	24	Viburnum dentatum	Arrowwood Viburnum	36" min.	B&B

<b>Understory Tree Species</b>					
Ac	7	Amelanchier canadensis	Shadbush (multistem)	6 ft. min.	B&B
Cc	6	Cercis canadensis	Redbud (multistem)	6 ft. min.	B&B
lo	4	Ilex opaca	American Holly (EG)	6 ft. min.	B&B

NOTE: (EG) indicates Evergreen species

<b>Canopy Tree Species</b>					
Ar	3	Acer rubrum	Red Maple	2.5" Cal.	B&B
Bn	1	Betula nigra	River Birch	2.5" Cal.	B&B
Fa	4	Fraxinus americana	"Autumn Purple" White Ash	2.5" Cal.	B&B
Qa	2	Quercus alba	Swamp White Oak	2.5" Cal.	B&B

PLAN NOTES

- Owner: Zion Evangelical Lutheran Church, 11 Schooley's Mountain Road, Long Valley, NJ 07853.
- Landscaping Plan prepared by Jeremiah D. Bergstrom, NJ Licensed Landscape Architect, License # 21AS00090700, CLEER Environments, LLC, 30 Oriole Drive, Ewing, NJ 08628, Phone: 609-433-0582.
- Plan prepared for property known as Block 33 Lots 42, 43, 44, and 50.
- Buffering has been provided with a mix of shrubs, understory deciduous and coniferous trees, and canopy trees as required to minimize impacts from site activities on adjacent residential properties.
- Landscaping has been provided to be consistent with the existing conditions and historic character of the site. The plan uses street trees, foundation plantings, hedges and small flowering trees in an aesthetically pleasing manner appropriate to the site and historic area.
- Landscaped areas shall be installed and maintained in accordance with the Standards for Trees, Shade Trees, and Buffering Trees requirements set forth by Washington Township in Land Use Ordinance Chapter 159-41.

PLANTING NOTES

- All plant materials shall conform to the American Association of Nurserymen's American Standard for Nursery Stock (latest edition).
- All plants and planting beds shall receive a 3" deep layer of shredded hardwood bark mulch. Mulch in planting beds shall be continuous.
- All plants shall be guaranteed for a period of two years from the date of planting by the installer. Any plant that dies or is poor condition during that time shall be replaced with the same size and species as the original planting. Contractor shall be responsible for maintaining all plantings for the 2-year period including watering, cultivation and weed control. After that time, the property owner will be responsible for maintaining all plantings.
- Planting and seeding shall occur between April 15 - May 30 or September 1 - October 15.
- Plant material shall be watered at the time of installation. Regular watering shall be provided to ensure the establishment, growth and survival of all plants.
- All disturbed areas shall be fine graded and seeded with a fine texture lawn mixture at a seeding rate of 5 pounds per 1,000 sq. ft.
- The landscape contractor shall provide a minimum 6" layer of topsoil in all lawn areas and a minimum of 12" of topsoil in all planting areas. A full soil analysis shall be conducted after construction and prior to planting to determine the extent of soil amendments required.
- Uncommon native plants are available at Mapleton, Nurseries, Kingston, NJ or Pinelands Nursery and Supply, Columbus, NJ.
- Tree plantings shall be covered by a performance bond and written notification of planting shall be given to the Shade Tree Committee one month prior to installation.
- All landscaping will be planted and maintained to provide required site distances and clearances. All Privet Hedges indicated on the Plans shall be trimmed to a height of 30 inches to avoid obstruction of the driver's line of sight.

LANDSCAPE  
DETAILS AND SCHEDULES

ZION LUTHERAN EVANGELICAL CHURCH  
PARISH CENTER ADDITION  
11 Schooleys Mountain Road

DRAWN BY:	PROJ. NO.:	REVISIONS	LOTS 42, 43, 44, 50
JDB		NO. DATE	BLOCK 33
		1 11.06.2009	WASHINGTON TOWNSHIP
		2 02.26.2010	MORRIS COUNTY, NEW JERSEY
		3 04.09.2010	
			CLEER Environments, LLC
JEREMIAH D. BERGSTRÖM NJ LICENSED LANDSCAPE ARCHITECT LIC. NO. AS00090700			30 Oriole Drive Ewing, NJ 08628 609.433.0582 jbergstrom@verizon.net
SCALE: N.T.S.			DATE: FEBRUARY 20, 2009 SHT. NO. L2

ISSUED FOR PERMIT REVIEW