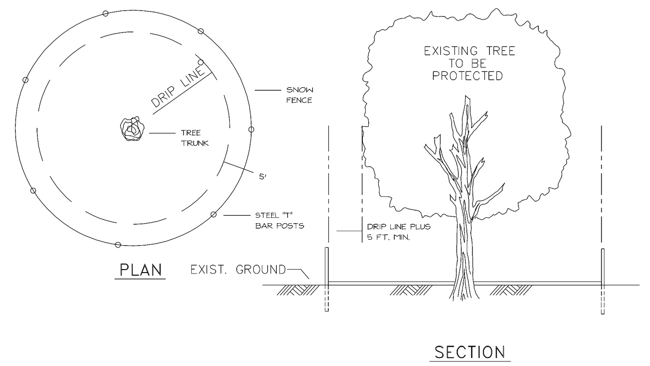
PLANT LIST

Key	Qty	Botanical Name	Common Name	Size/Condition	Remarks
Trees					
AC	3	Amelanchier canadensis	Shadblow (Downy) Serviceberry	8-10'	Native, riparian
AJB	1	Acer Palm Bloodgood	Bloodgood Maple	2.5-3" cal	Specimen
AR	10	Acer rubrum	Red Maple	3.5-4" cal	Native, riparian
AS	1	Acer Saccharum	Sugar maple	3.5-4" cal	Native, riparian
BNH	8	Betula Nigra 'Heritage'	River Birch	8-10'	Native, riparian
CBF	6	Carpinus Betulus 'Fastigiata'	European Hornbeam (Pyramidal)	2.5-3" cal	High branched
CCF	3	Cercis canadensis 'Forest Pansy'	Forest Pansy Eastern Redbud	8-10'	
CF	3	Cornus florida	White Flowering Dogwood	8-10' ht	Native, riparian
CK	3	Cornus kousa	Kousa Dogwood	8-10'	
CoC	5	Chamaecyparis obtusa 'Crippsi'	Golden Hinoki Falsecypress	4-5'	
FG	5	Fagus grandiflora	American Beech	3.5-4" cal	Native, riparian
FSA	1	Fagus Sylvatica 'Atropurpurea Pendula'	Weeping Purpleleaf European Beech	3.5" cal	
Gti	3	Gleditsia tri inermis 'Shademaster'	Shademaster Honeylocust	3.5-4" cal	
IO	64	Ilex Opaca	American Holly	8-10'	Native, riparian
LS	5	Liquidambar styraciflua	Sweetgum	3.5-4" cal	Native, riparian
Lt	3	Liriodendron tulipifera	Tulip Tree	3-3.5" cal	Native, riparian
PA	97	Picea Abies	Norway Spruce	8-10'	
PO	3	Picea Orientalis	Oriental Spruce	8-10'	
PYK	2	Prunus serrulata 'Kwanzan'	Kwanzan Japanese Cherry	3.5-4" cal	
QR	4	Quercus Rubra	Red Oak	3.5-4" cal	Native, riparian
Qa	1	Quercus alba	White Oak	3.5-4" cal	Native, riparian
TpG	32	Thuja plicata 'Green Giant'	Green Giant Arborvitae	10-12'	
Shrubs					
ADV	20	Azalea Delaware Valley White	Delaware Valley White	3g	
AZP	45	Azalea poukhanensis 'Compacta'	Poukhanensis	3g	
BGl	50	Buxus 'Green Velvet'	Green Velvet Boxwood	18-24"	
Bm2	67	Buxus microphylla var. Koreana 'Winter Gem'	Winter Gem Boxwood	24-30"	
CaH	34	Clethra alnifolia 'Hummingbird'	Hummingbird Sweet Pepperbush	3g	Native, riparian
ChP	71	Cephalotaxus harringtonia 'Prostrata'	Spreading Japanese Plum Yew	3g	
DGN	27	Deutzia Gracilis 'Nikko'	Dwarf Niko Deutzia	3g	
HLL	15	Hydrangea paniculata Little Lime	Little Lime Hydrangea	3g	
HQ	41	Hydrangea quercifolia	Oakleaf Hydrangea	3g	
HYE	30	Hydrangea macro 'Endless Summer'	Endless Summer Hydrangea	3g	
HYL	58	Hydrangea paniculata 'Limelight'	Limelight Hydrangea	4-5' ht	
HaA	38	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	3g	
Hal	14	Hydrangea arborescens 'Incrediball'	Incrediball Hydrangea (White)	3g	
Hyp	57	Hypericum x 'Hidcote'	St. John's Wort	3g	Native, riparian
IMB	29	Ilex x meserveae 'Blue Girl'	Blue Girl Holly	36-42"	
JsT	24	Juniper sabina 'Tamarix'	Tamarix Juniper	3g	
KL	16	Kalmia Latifolia	Mountain Laurel	3-4'	Native, riparian
LFR	55	Leucothoe fontanesiana 'Rainbow'	Rainbow Fetterbush (Luecothoe)	3g	
PC	8	Prunus x Cistena	Purpleleaf Sand Cherry	3-4'	
PLO	10	Prunus Laurel 'Otto Luyken'	Otto Luyken Cherry Laurel	36-42"	
PLS	28	Prunus Laurocerasus 'Schipkaensis'	Skip Laurel	5-6' ht	
PjB	20	Pieris japonica Brouwers Beauty	Brouwers Beauty Andromeda	30-36"	
RM	48	Rhododendron maximum	Native Rhododendron	5-6'	Native, riparian
SLM	17	Spiraea 'Lime Mound'	Lime Mound Spirea	3g	
VC	30	Viburnum Carlesii	Koreanspice Viburnum	4-5'	
VR	33	Viburnum rhytidophyllum	Leatherleaf Viburnum	3-4'	
VR	51	Viburnum rhytidophyllum	Leatherleaf Viburnum	4-5'	
Vpt	16	Viburnum plicatum tomentosum 'Shasta'	Shasta Viburnum	4-5'	
Ornamental Grasses					
CP	520	Carex Pensylvanica	Pennsylvania Sedge	1g	
HM	54	Hakonechloa macra 'All Gold'	'All Gold' Hakone Grass	1g	
KF	107	Calamagrostis x acutiflora 'Karl Foerster'	Reed Switch Grass	2g	
Perennials					
CSB	66	Chrysanthemum x superbum 'Becky'	Becky Shasta Daisy	1g	
LTR	101	Ligularia 'The Rocket'	Leopard Plant	1g	
LdB	17	Ligularia dentata 'Britt Marie Crawford'	Leopard Plant	1g	
Ms	128	Matteuccia struthiopteris	Ostrich Fern	1g	
NWL	13	Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	1g	
Oc	30	Osmunda cinnamomea	Cinnamon Fern	1g	Native, riparian
PtG	189	Pachysandra terminalis 'Green Sheen'	Green Sheen Pachysandra	Flat / 50 per	

NOTES:

1) All proposed plantings located within the 150' Riparian Zone are native, riparian species and were selected from New Jersey Stormwater Best Management Practices Manual.

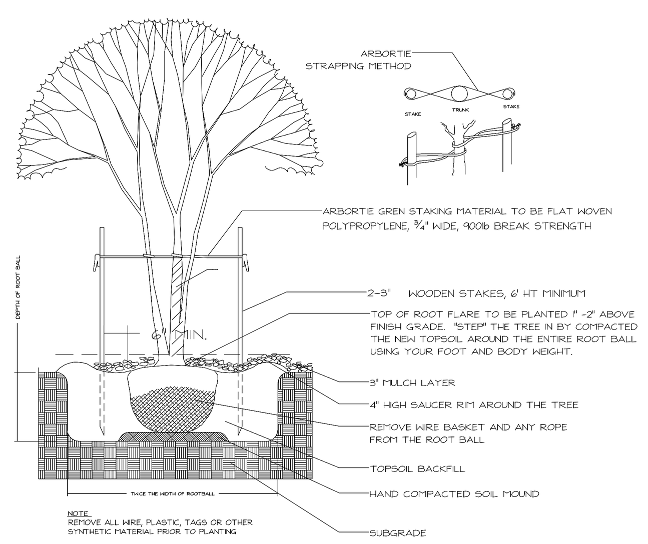
2) Required mitigation trees:
25 major trees, (29) provided
8 Evergreen Trees, (196) provided



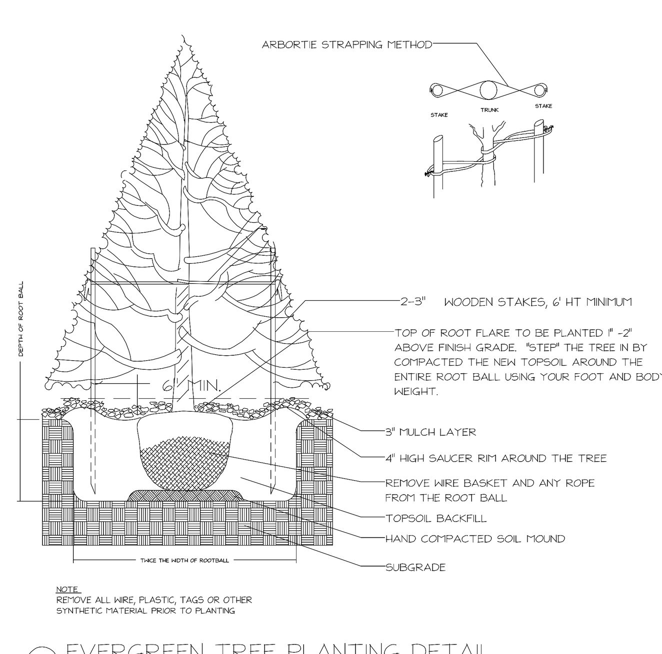
TREE PROTECTION NOTES:

1. TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PRESERVED DURING AND AFTER CONSTRUCTION.
2. 4' HIGH BLAZE ORANGE SNOW FENCE SHALL BE PLACED AROUND THE PERIMETER OF THE TREE AT THE DRIP LINE (PLUS 5 FT.).
3. BOARDS SHALL NOT BE FASTENED TO EXISTING TREES.
4. ROOTS SHALL NOT BE CUT IN AN AREA INSIDE THE DRIP LINE OF THE BRANCHES.
5. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH WITH TRUNK OR MAIN LIMB AND PAINTED IMMEDIATELY WITH TREE PROTECTION PAINT.

TREE PROTECTION DETAIL
Scale: N.T.S.



DECIDUOUS TREE PLANTING DETAIL
Scale: N.T.S.



EVERGREEN TREE PLANTING DETAIL
Scale: N.T.S.

PRESERVATION OF EXISTING TREES

1. Tree protection shall be provided for existing trees, non-disturbance buffer zone, woodland to remain and any wetland buffers. Tree protection shall remain throughout the duration of construction. Contractor shall install orange safety fence to mark the protection zone at 5' from the dripline of the trees or critical root radius, whichever is greater (see Tree Protection Detail). ONLY if it has been determined in advance, fencing may be placed at the drip line of trees but NEVER within the drip line.
2. No machines, vehicles, equipment, tools etc. re to enter, park or be stored in delineated protection areas. A small skidsteer loader with a max. Weight of 6,000 lbs shall be used to transport topsoil in and debris out, only traveling on asphalt. Remove asphalt only to required depth leaving loose stones in place. Place topsoil with machine while in place over existing asphalt. No entry shall be permitted over removed asphalt course. Hand place or blow mulch immediately upon completion of topsoil dressing and irrigate area. Area shall be irrigated regularly during non-rain periods to reduce stress on existing trees upon completion of removal, dressing and mulching. Install plants and deep root feed existing trees & shrubs in the area.
3. No grading or storage of materials, natural or chemical, shall occur within any protected areas. No machines, vehicles, equipment, tools, work, raking or cutting, construction materials, storage of any kind, storage sheds / shanties of any kind, stock piling, topsoil, debris, etc. are to enter, park, or be stored near or against existing trees, the woodland tree line (min. 5' away from drip line of tree line), delineated tree protection areas, Nau-Disturbance Buffer Zone and along wetland buffer lines (Transition Area).
4. Periodic inspections shall be conducted during construction to ensure that construction fences remain intact, tree protection measures are being followed, and to evaluate the health of trees being saved. Tree protection areas shall be irrigated regularly during non-rain periods both during and after construction to reduce stress on existing trees. Fertilization and soil amendment applications, as necessary to promote root growth of stressed trees and shrubs post construction, shall be performed.
5. Care shall be taken while tilling or grading (in areas outside the tree protection zones) not to extensively damage the root systems of any trees encroaching upon work area.
6. Contractor shall review "Protection Against & Remediation of Soil Compaction" notes on this plan. The Contractor shall review and coordinate his work with both the approved Engineer's and Landscape Architect's plans.
7. Only existing trees of 8" caliper and above are located on these plans. Existing trees of less than 8" caliper throughout the site are important and have significant environmental and aesthetic value to this property. These trees are also to be protected with tree protection fencing. The contractor shall not remove these trees (which may exist within the 25' non-disturbance buffer or may exist outside the limit of disturbance), unless specifically noted on the plans or without the prior knowledge of the Borough's Landscape Architect.
8. For permanent fencing to be installed within non-disturbance Buffer Zone and along wetland buffers: Post footings shall be excavated and installed with hand tools, with no mechanical trenching or machine access. No linear cutting or trenching through existing tree roots shall occur.

GENERAL NOTES:

1. All plantings shall conform to the work detailed in the drawings and described in the notes. The contractor, and all sub-contractors where applicable, shall furnish all materials, equipment, and labor necessary to execute such work.
2. The contractor shall schedule the planting work in coordination with all other work of the project, and shall so advise the landscape architect, prior to the commencement of any planting operations. The contractor shall further regularly advise the landscape architect as to changes in the schedule.
3. The contractor shall verify all quantities of plant materials shown on the drawing and plant list, and shall bring all discrepancies to the immediate attention of the landscape architect. Without such notice, all discrepancies shall be resolved in favor of the higher quantity, at the contractor's expense.
4. Plant materials shall be provided in accordance with the american association of nurserymen standards for size, health, and typical habit of growth. No plant substitutions will be permitted without the consent of the landscape architect. The landscape architect has the right to reject any plant material for proper cause.
5. The site shall be properly prepared for planting prior to the commencement of all planting operations. This includes: proper grading, in accordance with the drawings, or as directed by the landscape architect.
6. All planting beds shall be a backfilled or rototilled topsoil mixture consisting of (7) parts topsoil to (1) part humus. Topsoil shall be obtained from stockpiled sources on site, or from outside sources provided by the contractor. Soil depths shall be 12_ deep for beds, 6" deep for groundcovers areas and 2 to 4" deep for lawn. Individual planting holes shall be 12" larger in diameter and 6" deeper than the ball of the plant. After a planting bed has been prepared, the contractor shall test the soil, and provide lime or fertilizer as may be necessary.
7. Unless so specifically requested otherwise, the contractor shall lay out all plant material in accordance with the drawings, for approval by the landscape architect, prior to final placement by the landscape architect, and planting.
8. Planting operations shall be executed in accordance with the best practices of the industry. Plants shall be properly protected and handled at all times. Plants shall be planted straight and true, and at the proper depths. All tags, labels, non-biodegradable ball material, branch bindings, and bailing shall be removed immediately after plants are backfilled. Unless otherwise requested by the landscape architect, all trees over 11/2" inch caliper shall be staked or guyed; the contractor shall use cedar stakes with wire and protective hose. Newly planted materials shall be pruned by the contractor as directed by the landscape architect.
9. All planting beds shall be mulched with 2 to 3 inches of double shredded hardwood mulch.
10. The contractor shall properly maintain all plantings prior to final acceptance.
11. All planting work shall be guaranteed with a one time replacement, for a period of (1) year after final acceptance. All plants in which fifty percent of the branches are dead shall be replaced at no cost to the owner, provided there has been, in the opinion of the landscape architect, reasonable and adequate care by the owner. At the end of the period of guarantee, the contractor shall remove all above grade tree stakes at no cost to the owner.
12. Contractor shall review the _preservation of existing trees_ and _protection against remediation of excess soil compaction_ notes, as well as, details referring to the _tree protection detail_ as shown on the engineers plan, prior to construction.
13. No stockpiling of construction material, debris, topsoil, nor storage of construction shed/shanties, vehicles of any kind shall be placed within the critical root zones of trees to remain and tree line to remain, (a minimum of 5'-0_ from the drip line).
14. Only existing trees of 8_ caliper and above are located on these plans. Existing trees of 8_ caliper and above throughout the site are a major part of and significance of this property. These trees are also to be protected with tree protection fencing. The contractor shall not take these down that exist outside the limit of disturbance; within the 25' non-disturbance area, unless approved by or with prior knowledge of the borough's landscape architects.
15. Utilities/structures to be removed and/or replacement of utilities, structures, etc. To be placed within the vicinity of critical root zone of existing trees and woodland tree line to remain shall be installed by using pneumatic trenching techniques to expose roots. No mechanical excavation shall be employed. Exposed roots shall be cut/pruned clean with sharp instruments and not torn.
16. All downed/felled trees and shrubs, as well as all invasive species, are to be cleared from all existing wooded and cleared areas. Contractor is to notify the borough's landscape architect prior to such
17. All existing debris on site (especially on the western portion of the site below the existing pool) will be cleaned and cleared.

PROTECTION AGAINST AND REMEDIATION OF EXCESS SOIL COMPACTION

1. DURING THE CONSTRUCTION PROCESS, THE OWNER AND CONTRACTORS SHALL TAKE CARE TO AVOID COMPACTION OF SITE SOILS. IN ORDER TO SUPPORT WATER INFILTRATION AND A SUITABLE ENVIRONMENT FOR PLANT AND TURF GROWTH, SITE SOILS (INCLUDING TOPSOIL AND SUBSOILS) SHALL BE EITHER PROTECTED OR REMEDIATED TO MAINTAIN LOW DEGREE OF COMPACTION.
2. EXCEPTIONS TO THE ABOVE SHALL BE AREAS DESIGNATED FOR PAVEMENT, STRUCTURES AND UTILITY TRENCHES.
3. AREAS WHERE COMPACTION OFF SITE SOIL IS UNAVOIDABLE, THE OWNER AND CONTRACTOR(S) SHALL REMEDIATE BY EMPLOYING TILLING, MECHANICAL PUNCTURING, LOOSENING AND SOIL FRACTURING BY PNEUMATIC AERATION DEVICES. REMEDIATION SHALL BE TO A MINIMUM DEPTH OF 12" OR DEEPER WHERE CONCERNS OF EXCESSIVE SUBSURFACE COMPACTION EXISTS.
4. SPECIAL CARE SHALL BE TAKEN WITHIN THE CRITICAL ROOT ZONE OF TREES. SERVICES OF PROFESSIONAL ARBORISTS ARE RECOMMENDED IN THE CASE OF REMEDIATION.
5. REMEDIATION WORK SHALL BE COORDINATED WITH THE GRADING OF THE SITE AND INSTALLATION OF SUBSURFACE UTILITIES. REMEDIATION WORK PERFORMED AFTER THE INSTALLATION OF SUCH UTILITIES WILL POSE SAFETY AND LOGISTICAL PROBLEMS. REMEDIATION WORK PERFORMED AT THE END OF THE PROJECT WILL HAVE A GREATER COST IMPACT THAN A PLANNED AND INTEGRATED EFFORT.

DATE	REVISION
12/4/2024	Revised as per Engineer's plan dated 12-4-2024

Christopher L Karach NJLLA AS00923

Prepared For:
Edry Residence
17 Duck Pond Road
Demarest, NJ 07627

Prepared By:
Christopher L. Karach * Landscape Architect
P.O. Box 114, Cresskill, NJ 07626
Office: (201) 501-8577 Mobile: (201) 543-3515

Sheet Title: **Schematic Landscape Plan**

Scale: 1" = 20'	Drawn by: Christopher L Karach NJLLA AS00923
Lot 3.01 Block 120.01	Sheet 1 of 1
Date: 11/5/2024	Drawing #: L-2453