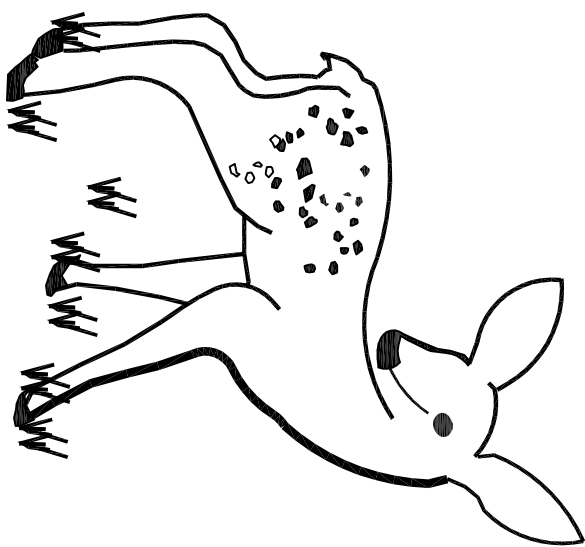
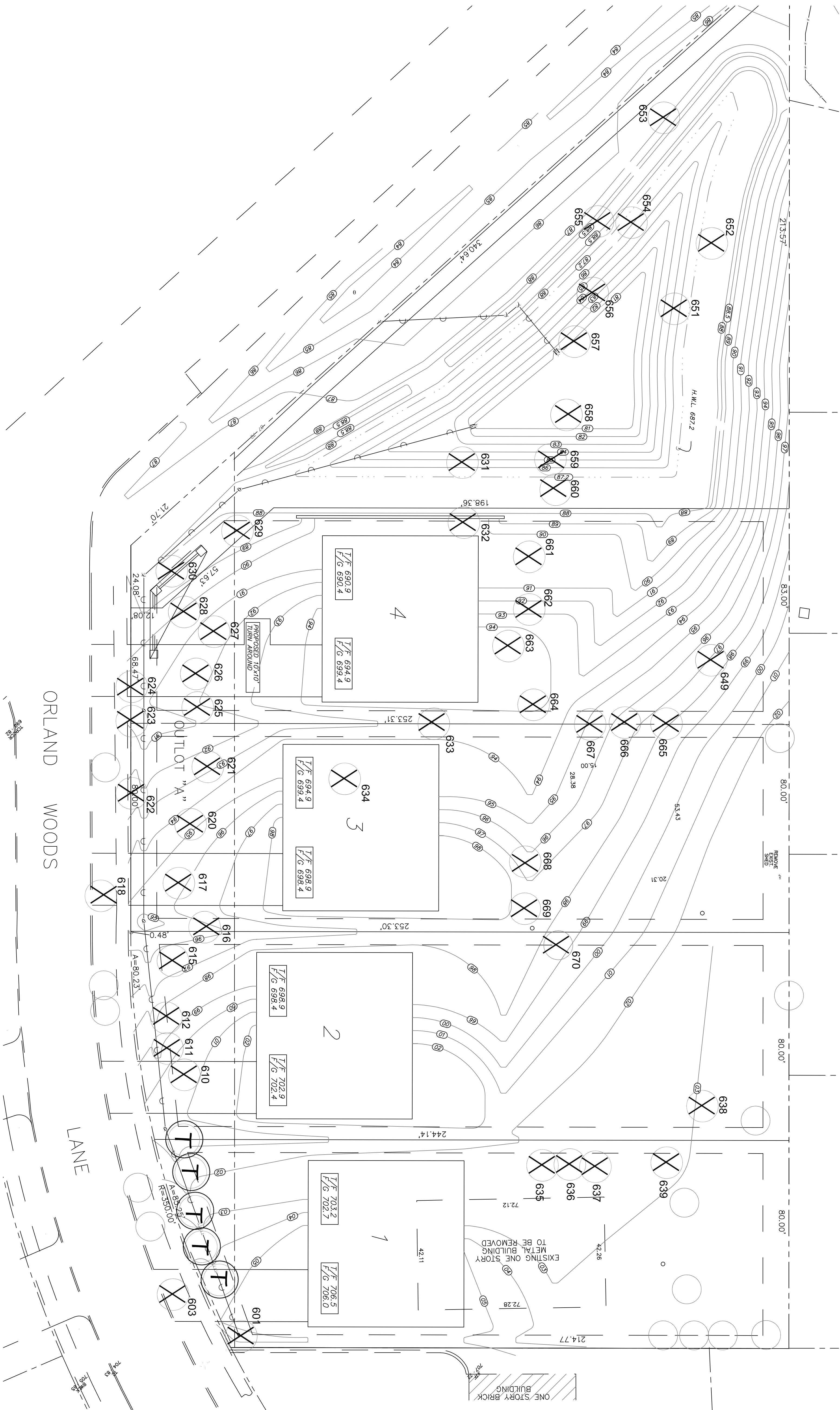
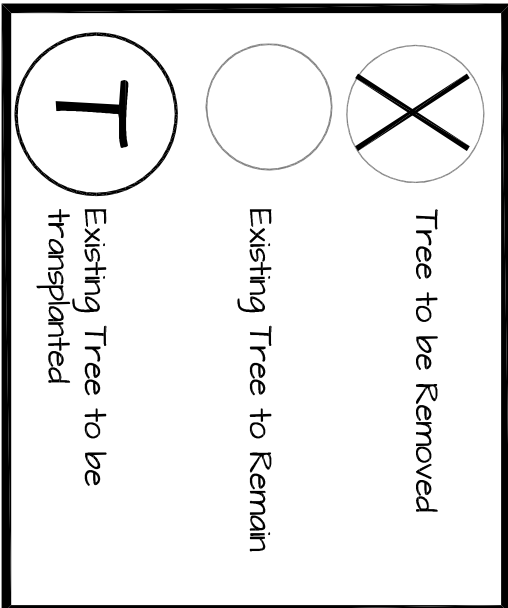




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sheet title
Orland Woods Phase II
Demolition Plan

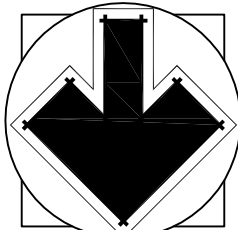
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design	SIL
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revision	11/12/13
revision	10/31/13



1 Existing Conditions and Removals Plan
SCALE: 1" = 20'-0"

Trees Removed

Deciduous 4"-12" Ratio: 1 to 1 (4") or 2 to 1 (2.5)	Deciduous 13"-25" Ratio: 2 to 1 (4") or 4 to 1 (2.5)	Evergreen 6'-10'-4'-12" Ratio: 1 to 1 (4") or 2 to 1 (2.5) or 1 to 1 (6'-10')	Deciduous 13"-25" Ratio: 2 to 1 (4") or 4 to 1 (2.5)
603 Green Ash	7 Siberian Elm	649 Blue Spruce	7 Multi-stem Arborvitae
605 Bradford Pear	8' 620 Multi-stem Crabapple	641 Blue Spruce	6' 656 Norway Spruce
606 Bradford Pear	9' 621 Multi-stem Crabapple	642 Green Spruce	6' 658 Blue Spruce
607 Bradford Pear	7' 629 Multi-stem Crabapple	623 Austrian Pine	10' 659 Green Spruce
608 Green Ash	6' 630 Multi-stem Crabapple	624 Austrian Pine	10' 662 green Spruce
628 Red Maple	12' 634 Multi-stem Pear	625 Austrian Pine	10' 663 Blue Spruce
631 Black Maple	12' 635 White Ash	626 Austrian Pine	9' 665 Multi-stem Arborvitae
632 Black Maple	12' 638 Black Walnut	627 Austrian Pine	12' 667 Multi-stem Arborvitae
633 Black Maple	12' 650 Siberian Elm	655 Blue Spruce	10' 668 Blue Spruce
636 White Ash	10' 652 Multi-stem Mulberry	657 Green Spruce	12' 669 green Spruce
637 White Ash	8' 654 Locust	664 green Spruce	10' 664 Multi-stem Arborvitae
639 White Ash	12' 660 Bur Oak	666 Multi-stem Arborvitae	10' 664 Multi-stem Arborvitae
651 Black Walnut	8' 6' 6' 6'	669 green Spruce	12' 669 green Spruce
653 Green Ash	8' 6' 6' 6'	670 Blue Spruce	17' 670 Blue Spruce



TREES TO BE SAVED.

Save and protect fifteen (15) existing trees in their current location. Trees to be saved shall be protected as per recommendations below from the Tree Survey produced by Horner Tree Service.

Tree Pruning Requirements: All trees that are within the construction trauma zone should be properly pruned to remove dead and weak limbs, and also selective thinning to compensate for root loss, and to provide necessary clearances and elevations.

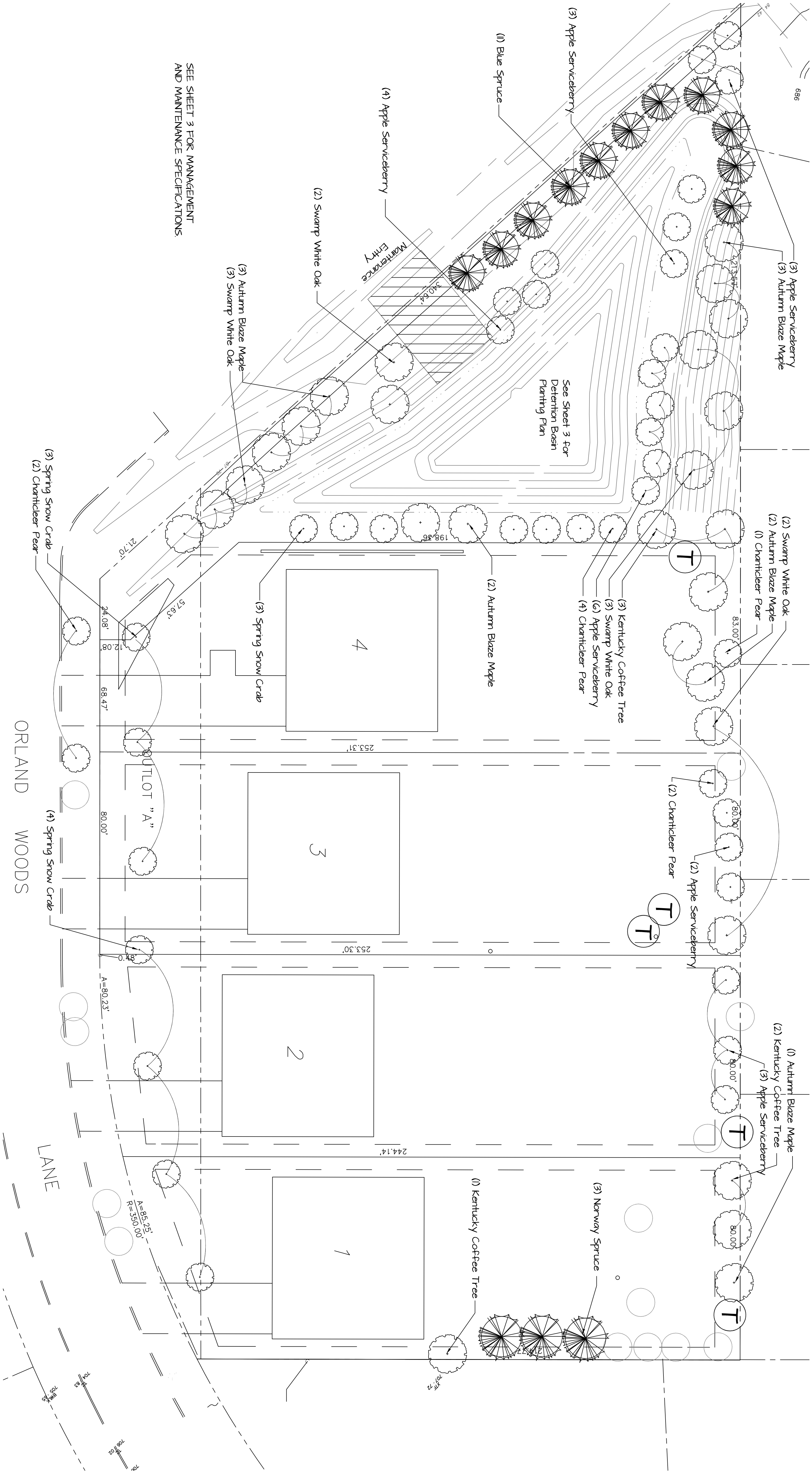
Root Pruning Requirements: All trees that are in close proximity of excavation should have root pruning done within 1 foot of excavation dig to allow for a clean wound closure and to promote new fibrous roots. A root pruner, stump grinder or suitable trencher can be used.

Tree Nutritional Requirements: All trees within the trauma zone should be treated with a soil injected liquid root fertilizer of proper analysis, and evenly distributed throughout the root zone. This is to improve overall vigor and to help in aeration of compacted soil.

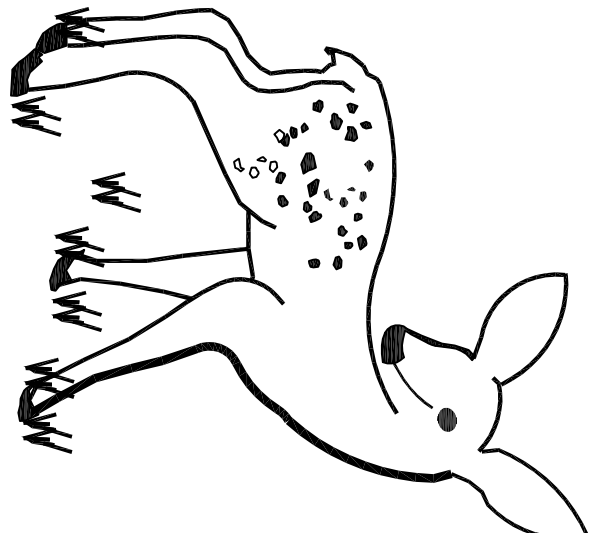
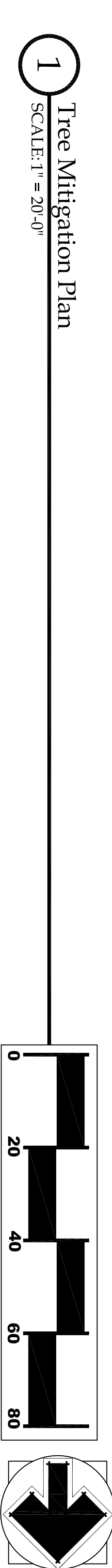
Surface Mulching Requirements: All trees within the critical trauma zone should have layered wood mulch beds incorporated into the final landscape plan. This will improve soil structure, fertility, and aid in moisture retention. Exposed surface roots should be protected during construction with a 12" layer of mulch + should be incorporated into the final grading and landscape design concept.

Protective Barrier Requirements: No over-filling of soil should occur to tree root zones within a 10' radius to prevent root loss. Retention walls and drainage protection area. This fence should be maintained during the entire project. A sign should be placed at the project entrance to familiarize contractors with tree preservation techniques.

Site Monitoring Requirements: All trees listed on the survey should be monitored during and after construction for any possible health care issues that may be encountered. This should be done by a competent certified arborist who is capable of making on-site decisions that best protect the trees.



TREES			TREES TO BE REMOVED & REPLACED:		
NAME	QUANT	SIZE			
Autumn Blaze Maple	17	4" BB			
Kentucky Coffee Tree	6	2 1/2" BB			
Swamp White Oak	10	4" BB			
EVERGREEN TREES					
NAME	QUANT	SIZE			
Blue Spruce	17	7" BB			
Norway Spruce	3	8" BB			
ORNAMENTAL TREES					
NAME	QUANT	SIZE			
Charterleer Pear	9	4" BB			
Apple Serviceberry	21	8-10" Clump			
Spring Snow Crab	7	8-10" Clump			
TOTALS					
Total 4" Trees Needed:					
Total 4" Trees Provided:					
Total 2 1/2" Trees Needed:					
Total 2 1/2" Trees Provided:					
Total Evergreen Trees Needed:					
Total Evergreen Trees Provided:					

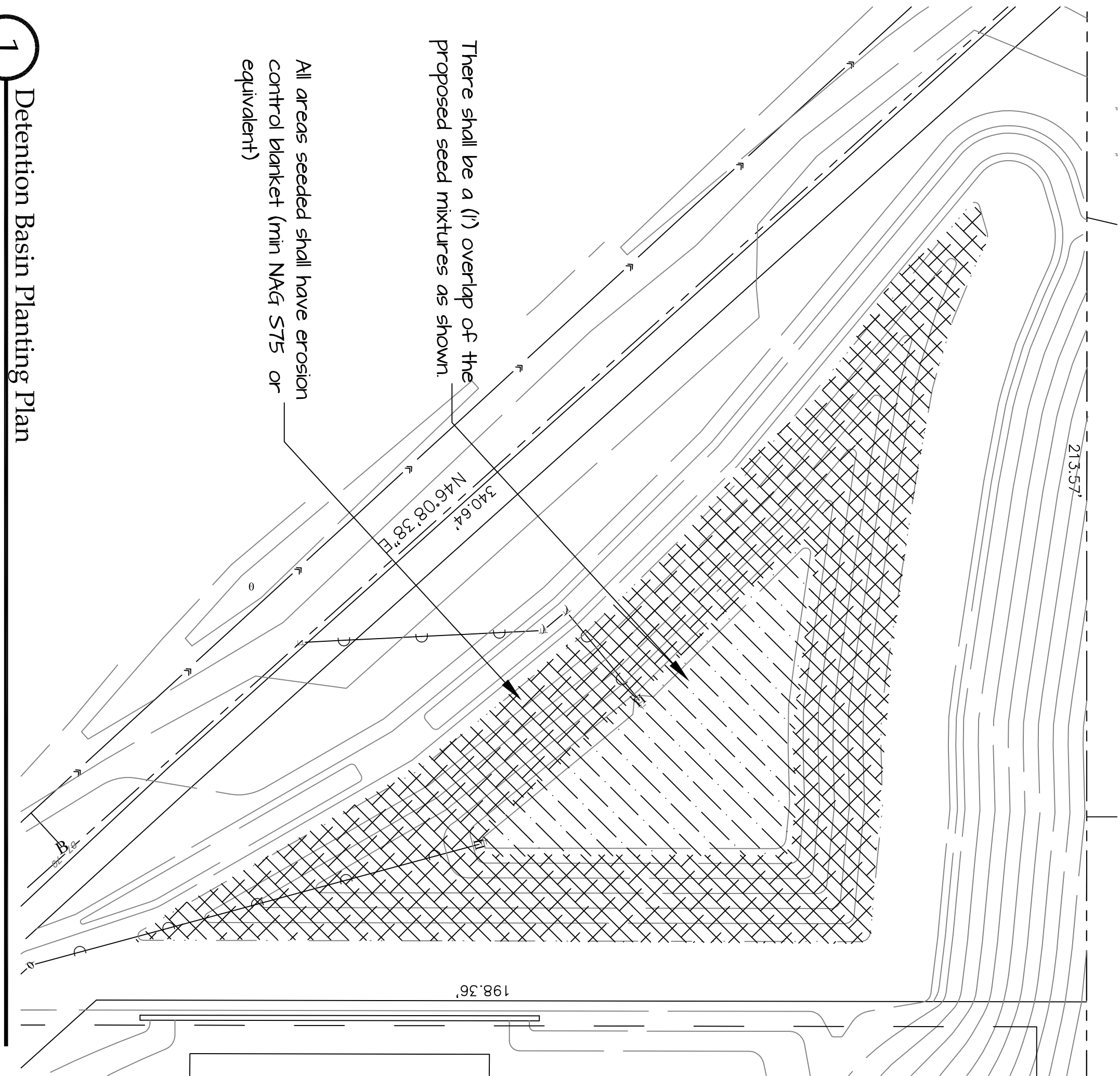


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Orland Woods Phase II
Tree Mitigation and Planting Plan

scale	AS NOTED
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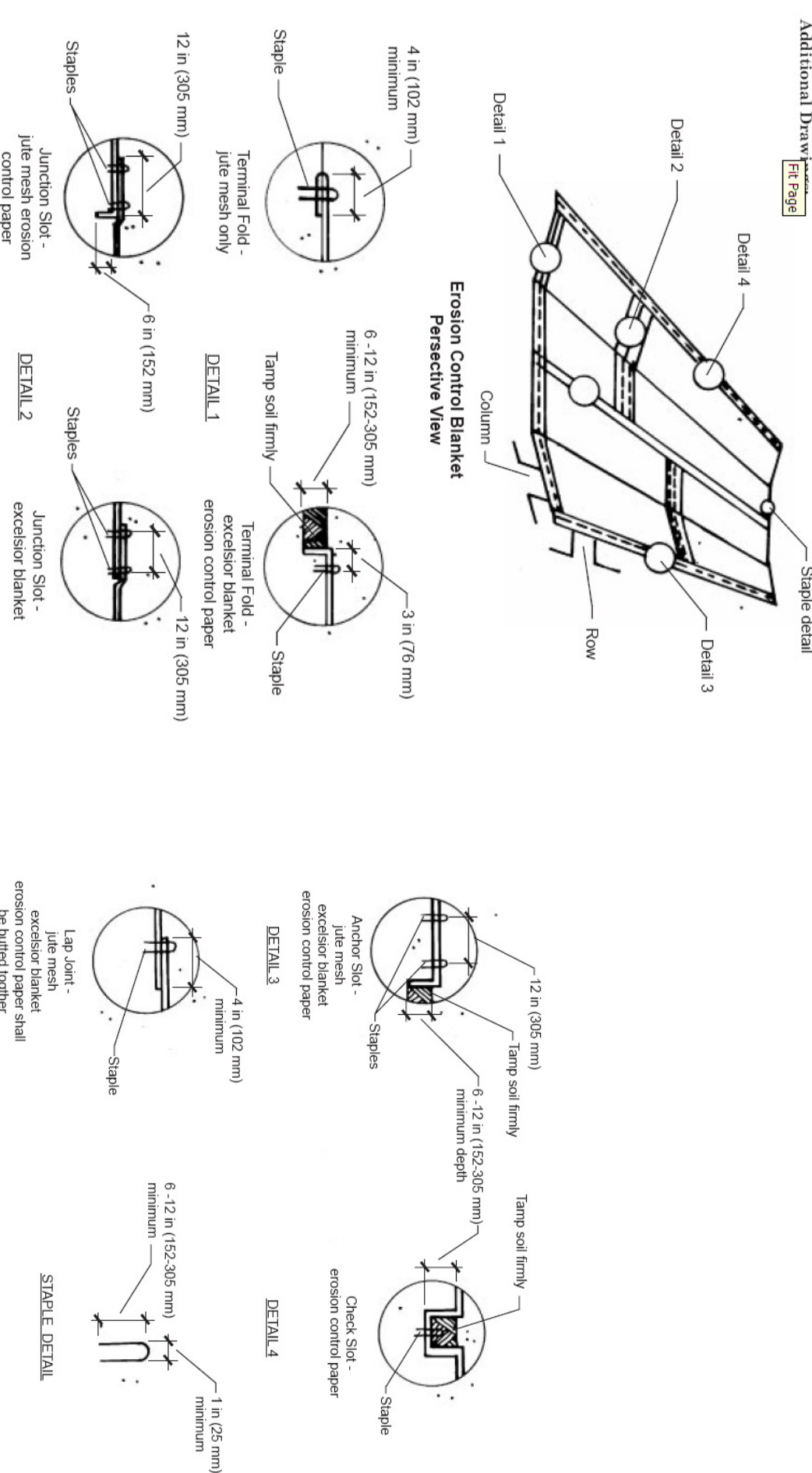
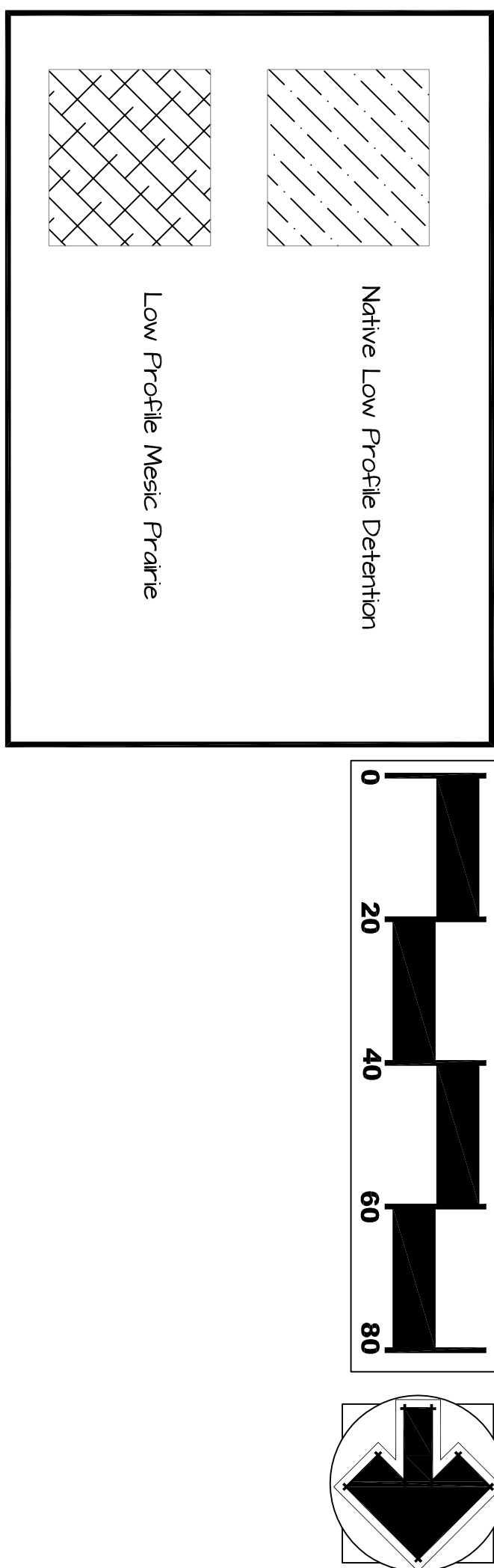


There shall be a (1) overlap of the proposed seed mixtures as shown

All areas seeded shall have erosion control blanket (min NAG ST5 or equivalent)

1 Detention Basin Planting Plan

SCALE: 1" = 20'-0"



Native Low Profile Detention

Seeding Time Frame

May 15 - June 30
October 15 - December 1

National Seed Company
Lisle, Illinois

<i>Agrostis alba</i> (Lygitea) Red Top Grass	0500
<i>Agrostis alba</i> (Lygitea) Bent Grass	1500
<i>Echinochloa crusgali</i> Barnyard Grass	1000
<i>Avena sativa</i> Seed oats	32.000
<i>Alisma subcordatum</i> Common Water Plantain	0375
<i>Asclepias incarnata</i> Swamp Milkweed	0063
<i>Aster novae-angliae</i> New England Aster	0063
<i>Aster simplex</i> (Unicodatus) Pincled Aster	0031
<i>Bidens cernua</i> Nodding Bur Marigold	033
<i>Bidens frondosa</i> Common Beggar's Tick	0125
<i>Biterns spp</i>	0230
<i>Boehmeria cylindrica</i> False Nettle	0063
<i>Boehmeria cylindrica</i> False Nettle	0063
<i>Carex bebbii</i> Bebb's Sedge	0125
<i>Carex granularis</i> Meadow Sedge	0063
<i>Carex lupulina</i> Knobby Top Sedge	0063
<i>Carex scoparia</i> Foxtail Broom Sedge	0063
<i>Carex stipitata</i> Awl-fruited Sedge	0500
<i>Carex wipacoides</i> Fox Sedge	0063
<i>Cyperus Species Flat Sedge Species</i>	0063
<i>Elyonurus Species Spike Rush Species</i>	0063
<i>Elymus canadensis</i> Nodding Wild Rye	1000
<i>Elymus virginicus</i> Virginia Wild Rye	2.000
<i>Glyceria striata</i> Fowl Mania Grass	0125
<i>Habenaria autumnale</i> Sneezeweed	0063
<i>Juncus effusus</i> Soft Rush	0063
<i>Juncus tenuis</i> Path Rush	0063
<i>Juncus torreyi</i> Torrey's Rush	0063
<i>Leersia oryzoides</i> Rice Cut Grass	0183
<i>Limnolobos polyacarpa</i> False Loosestrife	0001
<i>Mimulus ruginosus</i> Monkey Flower	0031
<i>Panicum dichotomiflorum</i> Kye Grass	0250
<i>Penthorum sedoides</i> Dich Stonecrop	0006
<i>Poa palustris</i> Marsh Blue Grass	0250
<i>Polygonum lapathifolium</i> Nodding Smartweed	0500
<i>Polygonum persicivincum</i> Giant Smartweed	0500
<i>Sagittaria arifolia</i> Duck Potato	0063
<i>Scirpus atrovirens</i> Dark Green Rush	01750
<i>Scirpus pendulus</i> (leaves) Red Blunrush	0125
<i>Scirpus pungens</i> (Schoenoplectus americanus)	0625
<i>Chamaeneris</i> Rush	0031
<i>Teucrium canadensis</i> Germanher	0125
<i>Verbena hastata</i> Blue Vervan	0125
Totals	439925

Low Profile Mesic Prairie Mix

April 1 - June 1
August 15 - September 30

National Seed Company
Lisle, Illinois

<i>Avena sativa</i> Seed oats	32.00
<i>Agropyron trachycallum</i> Slender Wheat grass	075
<i>Amorpha canescens</i> Leadplant	0125
<i>Amorpha canescens</i> Leadplant	0125
<i>Anthropogon</i> (Schizanthrum) scapularis Little Bluestem	300
<i>Aster azureus</i> (coelestangensis) Sky Blue Aster	00625
<i>Aster laevis</i> Smooth Blue Aster	00625
<i>Aster novae-angliae</i> New England Aster	00625
<i>Baptisia leucantha</i> (alba macrophylla) White heliops	00625
<i>Bouteloua curtipendula</i> Sideoats gramma	300
<i>Carex annectens</i> Yellow-fruited Sedge	0062
<i>Carex bicknellii</i> Bicknell's Sedge	0062
<i>Carex brevier</i> "Shorter" Sedge	0062
<i>Carex</i> (Chamaecrista) fasciculata Part-idge Pea	0125
<i>Echinochloa pallida</i> Pale Purple Coneflower	02825
<i>Elymus canadensis</i> Canadian Wild Rye	200
<i>Eryngium yuccifolium</i> Rattlesnake Master	01875
<i>Hedysar helianthoides</i> Early Sunflower	0125
<i>Hypericum pyramidalum</i> Great St Johnswort	0031
<i>Lespedeza capitata</i> Roundhead Bushclover	0125
<i>Lithis aspera</i> Burton Blazingstar	01875
<i>Lithis pycnostachya</i> Prairie Blazingstar	00925
<i>Monarda fistulosa</i> Bergamot	0083
<i>Panicum integrifolium</i> Wild Quinine	0063
<i>Panicum virgatum</i> Switch Grass	0125
<i>Pennisetum digitale</i> Foxglove Bearclover	0125
<i>Petdistemonium</i> (Dalea) purpureum Purple Prairie Clover	0063
<i>Physostegia virginiana</i> False Dragonhead	0063
<i>Potentilla arguta</i> Prairie Cinquefoil	00625
<i>Rubidia pinnata</i> Yellow Coneflower	0125
<i>Rosa blanda</i> Early Wild Rose	0031
<i>Rubus</i> (Rubus) Black-eyed Susan	05
<i>Rubus</i> (Rubus) submontosa Sweet Coneflower	0031
<i>Siphium integrifolium</i> Rosin Weed	01875
<i>Solidago nemoralis</i> Oldfield Goldenrod	0125
<i>Solidago</i> (Oligoneuron) reddellii Reddell's Goldenrod	00625
<i>Solidago</i> (Oligoneuron) rigida Shift Goldenrod	00625
<i>Sporobolus heterolepis</i> Prairie Dropseed	0125
<i>Tradescantia ohiensis</i> Ohio Spiderwort	0125
<i>Verberna stricta</i> Hairy Vervan	01875
<i>Veronica fasciculata</i> Common Ironweed	0063
<i>Vernonia missouriensis</i> Ironweed	00625
<i>Veronicastrum virginicum</i> Culver's Physic	000625
Totals	4422525

GENERAL NOTES

1. THE LANDSCAPE CONTRACTOR CHOSEN FOR ESTABLISHMENT OF THE NATIVE PLANTINGS MUST BE EXPERIENCED IN THE INSTALLATION AND MANAGEMENT OF SAID AREAS, HAVING A MINIMUM OF FIVE YEARS FIELD EXPERIENCE. A SUPERVISOR WHO CAN IDENTIFY NONNATIVE AND NATIVE PLANTS BY GENUS AND SPECIES SHALL BE AVAILABLE AT ALL TIMES.

2. SEED SUPPLIED TO THE SITE SHOULD BE TAGGED WITH SEED SPECIES, WEIGHTS AND DOCUMENTATION OF PLS TESTING.

3. SEED INSTALLATION AND SITE PREPARATION SHALL FOLLOW DOT SPECIFICATIONS. SECTION 2500. BLANKET INSTALLATION SHALL FOLLOW 2504. FERTILIZER WILL NOT BE REQUIRED FOR THE SEED MIXES LISTED. SEE BLANKET DETAIL THIS SHEET.

4. DISTRUSTED AREAS OUTSIDE OF THE DETENTION BASIN SEEDING SHALL RECEIVE BLUE GRASS SEED MIX AND BLANKET. SEED MIX SHALL BE 33% BLUE GRASS, 33% RED FESCUE AND 33% PERENNIAL RYE.

5. ALL PLANT AND SEED MATERIALS SHALL BE TRUE TO THEIR NAME AND VARIETY AS SPECIFIED. THEIR ORIGIN SHALL BE KNOWN TO BE LOCAL WITHIN A 50-MILE RADIUS OF THE PROJECT LOCATION AND SPECIES NATIVE TO NORTHERN ILLINOIS. PLANT ORGANS BEYOND A 50-MILE RADIUS SHALL BE APPROVED BY OWNER/LANDSCAPE ARCHITECT.

6. THE OWNER RESERVES THE RIGHT TO INSPECT ALL SEED AND PLANTS EITHER AT THE PLACE OF GROWTH OR AT SITE BEFORE PLANTING FOR COMPLIANCE WITH REQUIREMENTS FOR NAME, VARIETY, SIZE, QUANTITY, QUALITY, OR MIX PROPORTION. CONTRACTOR IS TO KEEP RECORDS OF THE CERTIFICATES OF COMPOSITION OR INVOICES OF SEED MIXTURES AND INTEGRITY OF PLANT MATERIALS WITH RESPECT TO SPECIES, VARIETY, AND SOURCE AFTER PURCHASE.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER HANDLING AND STORAGE OF SEED AND PLANT MATERIALS ACCORDING TO THE BEST HANDLING AND STORAGE PRACTICES DURING LANDSCAPE WORK. MATERIALS AND EQUIPMENT SHALL BE PROTECTED FROM DAMAGE, PAVEMENT AND WORK AREAS AND ADJACENT AREAS SHALL BE KEPT CLEAN AND IN AN ORDERLY CONDITION.

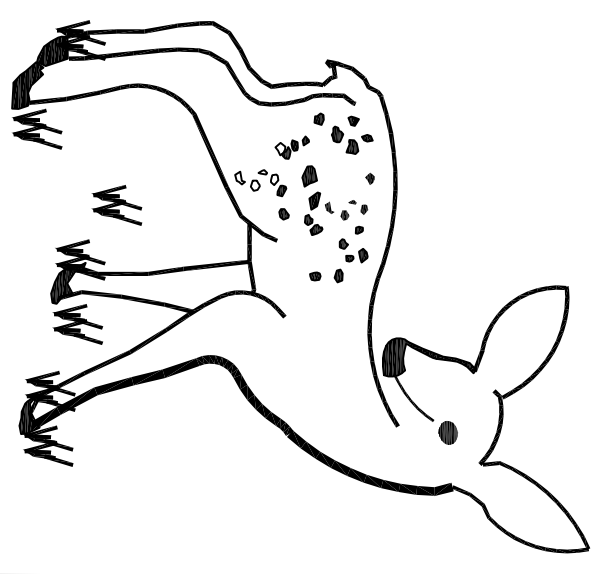
8. ALL LANDSCAPING MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANTING PROCEDURES ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. SEEDING OF NATURAL LANDSCAPING AREAS WITH NATIVE SEED SHALL CONFORM TO GENERALLY ACCEPTED SEEDING PROCEDURES, METHODS, AND TIME FOR PRAIRIE PLANTINGS IN NORTHEASTERN ILLINOIS.

PERENNIAL WEEDS - PERENNIAL WEEDS WILL NEED TO BE REMOVED BY HAND IN SOME CASES OR WITH THE USE OF SPOT HERBICIDE TREATMENT. IF HERBICIDES ARE APPLIED, USE SPONGE APPLICATORS SO ONLY THE UNDESIRABLE PLANT IS TREATED AND THERE IS NO OVER-SPRAY ONTO THE NATIVE SEEDLINGS. HERBICIDES SHALL BE HANDLED CAREFULLY AND USED IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. HERBICIDES SHALL BE APPLIED SHORTLY AFTER MOWING WHEN PERENNIALS WEEDS BEGAIN TO GROW AGAIN. APPLYING THE HERBICIDE MAY BE NECESSARY FOR THE FIRST SEVERAL YEARS AFTER PLANTING THE SEED UNTIL THE DESIRABLE SEED IS ESTABLISHED. MAINTENANCE CONTRACTOR SHALL START TREATING PERENNIAL WEEDS EARLY IN THE GROWING SEASON AND CONTINUE TO HARD FROST.

ANNUAL WEEDS - ANNUAL WEEDS WILL GENERALLY OUTCOMPETE NATIVE SEEDLINGS IF LEFT UNCHECKED. MOWING SHALL BE COMPLETED REGULARLY TO STUN THE GROWTH OF THE UNDESIRABLE ANNUALS. THIS MAY BE NECESSARY FOR THE FIRST SEVERAL YEARS AFTER PLANTING THE SEED. ALLOW WEED ANNUALS TO REACH APPROXIMATELY 10" AND THEN MOW BACK TO APPROXIMATELY 8". THE RECOMMENDED MOWER IS A FLAIL MOWER OR A MULDING MOWER. EXCESSIVE AMOUNTS OF CLIPPINGS FROM THE ANNUALS SHALL BE REMOVED BY RAKE AS TO NOT SMOTHER THE DESIRABLE SPECIES. MOWING SHALL CONTINUE THROUGH THE GROWING SEASON.

WEED IDENTIFICATION - WHEN INSTALLING SEED, CONTRACTOR SHALL LEAVE A 5' X 5' WITHOUT SEED IN A DISCREET AREA. THE TYPE OF PLANTS THAT GROW IN THAT AREA WILL BE THE UNDESIRABLE SPECIES. AFTER SPECIES ARE IDENTIFIED, CONTRACTOR SHALL INSTALL DESIRABLE SEED IN TEST AREA.

CONTROLLED BURN - A CONTROLLED BURN MAY BE NECESSARY AFTER THE DESIRABLE SEED IS WELL ESTABLISHED. THIS MAY COME IN THE THIRD YEAR OR AFTER OF THE INITIAL PLANTING. MAINTENANCE CONTRACTOR SHALL CONTACT QUALIFIED REPRESENTATIVE TO EVALUATE THE NEED FOR THE BURN.



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sheet title

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Seeding Plan and Notes

scale

AS NOTED

design

SJL

date

5/9/09

revision

11/12/13

revision

10/31/13

revision

sheet

3 of 3 sheet(s)