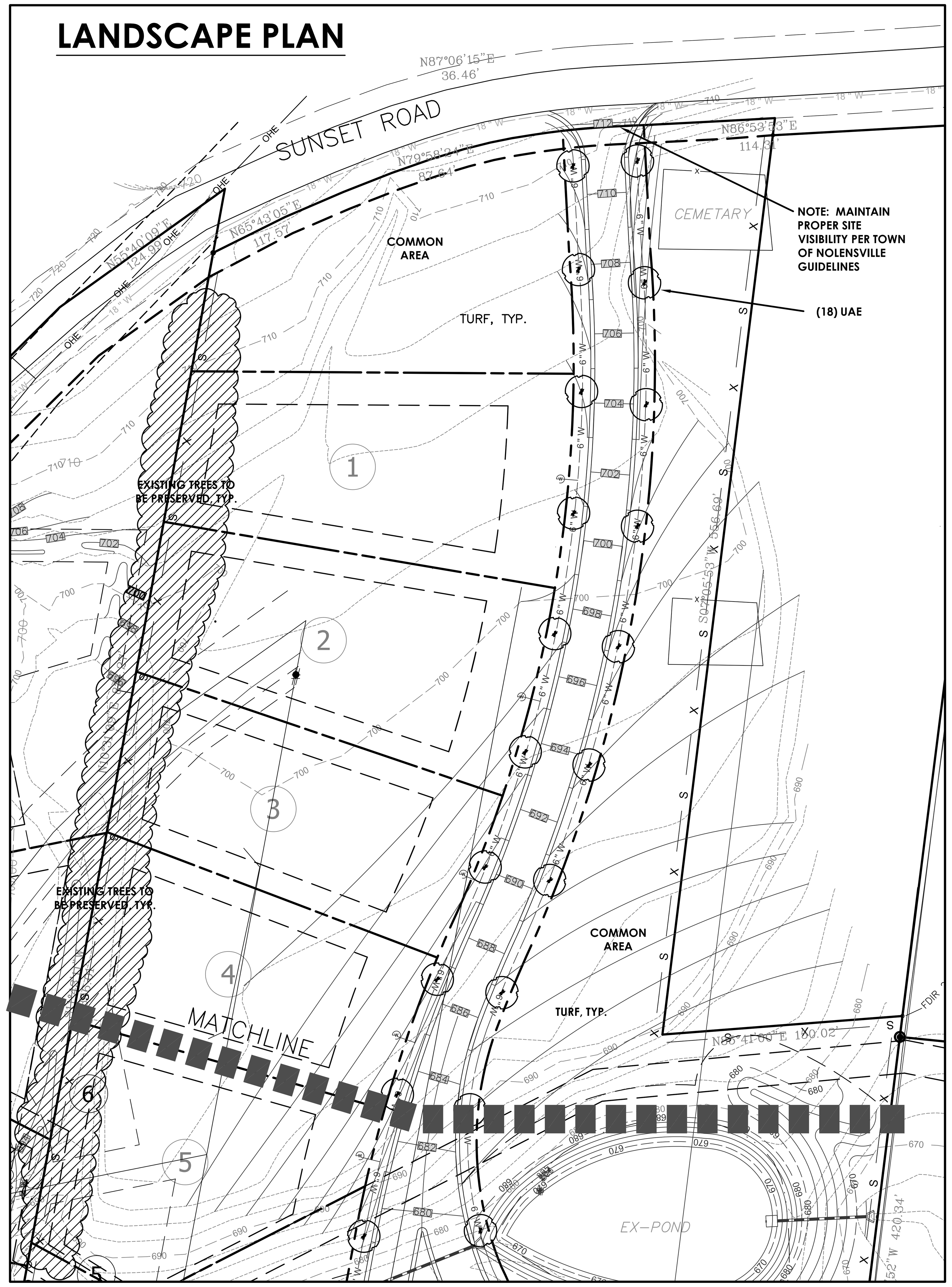
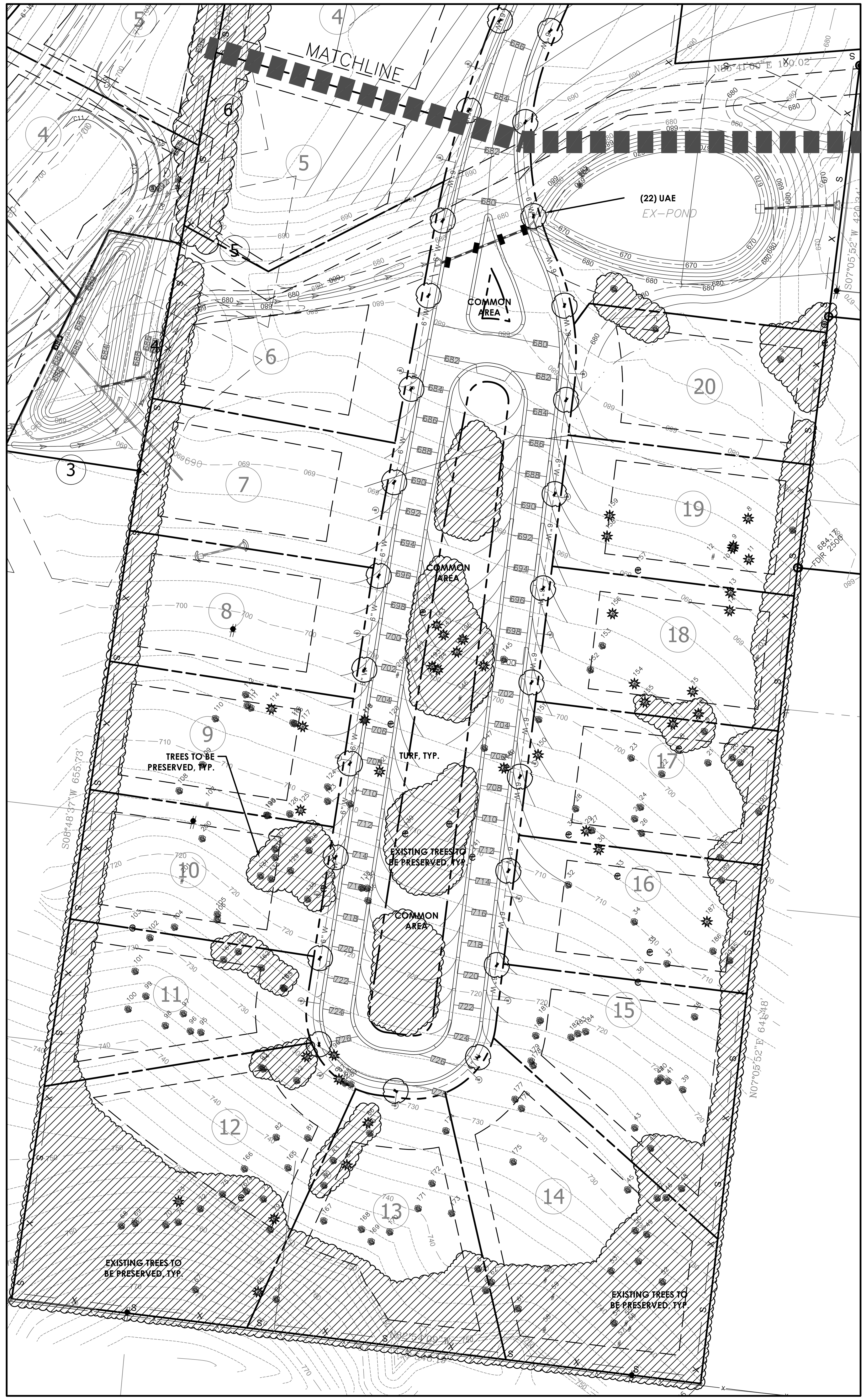
LANDSCAPE PLAN





Grass And Weed Removal
Existing grass and weeds in areas of proposed beds shall be removed either chemically or by excavation, including root systems. Existing weeds shall be removed either chemically or by excavation, including root system, from all proposed lawn areas prior to installation of grass. Contractor shall re-fill excavated areas with topsoil to finish grade before bed preparation or grass installation.

Soil Erosion Protection
Install jute mesh or approved equal in planting bed with slopes greater than three to one prior to planting. Mesh shall have a minimum overlap of twelve (12) inches where sections join. Materials shall be installed in lengthwise sections running parallel with the slope, providing the length of slope is in excess of ten (10) linear feet from top to bottom. Jute mesh on slopes with lengths less than ten (10) linear feet shall be installed across the lope and double pinned at the twelve (12) inch overlap. Pins shall be installed so that no gaps or sags are visible in mesh.

Lawns
Loosen and rake smooth all areas to be grassed. Remove all weeds, debris and any clumps, stones, clods, etc. larger than three quarter (3/4) inch diameter. Ensure lawn areas and swales are graded for proper drainage. Areas next to sidewalks and curbs shall be graded down to one (1) inch below finished grade to allow for thickness of grass build-up.
Sod: Areas will be planted with sod as indicated on the plan. All sod shall be dark, rich green, free of weeds and nut grass and placed so joints are flush between pieces. Sod is to have root development that will support its own weight without tearing, when suspended vertically by holding the upper two corners. Sodded areas shall be rolled with a 200 pound roller immediately after laying, watered thoroughly and rerolled. All sodded grass areas shall be fertilized at the rate of twenty-five (25) pounds per 1000 square feet, prior to laying sod. Dead patches of sod shall be removed and replaced immediately.

Lawn Establishment
It is the responsibility of the Contractor to establish a dense lawn of permanent grasses, free from weeds, lumps and depressions. Any part of the area that fails to show a uniform germination shall be reseeded or resodded, and such reseeding or resodding shall continue until a dense lawn is established, regardless of amount of rain.
Water, mow and edge the lawn until initial acceptance. Mow each time after the law has reached a height of three and a half (3 ½) inches. Mow to a height of two and a half (2 ½) inches, returning the clippings to the lawn. Damage to seeded areas resulting from erosion shall be repaired by the Contractor. Scattered bare spots will not be allowed over one (1) foot square in the lawn area. Never mow off more than one-third of the grass leaves.

Plant Materials
Plant material shall be delivered to the site after the beds are prepared and are ready for planting. Shipments of plant materials shall be thoroughly protected from the sun and from drying winds during transit. All plants which cannot be planted at once, after delivery to the site, shall be well protected. Plant materials remain the property of the Contractor until initial acceptance.

Shrubs And Groundcovers
Plants shall be nursery grown, healthy, vigorous, compact, bushy to the ground, well branched, of normal habit of growth for the species, and shall be free from defects, decay, girding roots, sun-scald injuries, abrasions of the bark or limbs, disease, insect eggs, and larvae. They shall have ball sizes that meet the standard set forth by the American Association of Nurserymen, Inc. The specified sizes shall be before pruning, and the plants shall be measured from their nominal top branches in normal position to the top of the ball or soil level. Plants shall not be pruned prior to delivery, except upon special approval.
All plants shall be of specimen quality. Specimen means an exceptionally heavy, symmetrical, tightly knit plant, so trained or favored in its development that its appearance is unquestionable and outstandingly superior in form, number of branches, compactness and symmetry.
All plants shall be hardy under climatic conditions similar to those in the locality of the project.

Shade Trees
Shade trees shall be healthy, vigorous, full-branched on all sides, well-shaped, specimen quality, symmetrical, and shall meet the trunk diameter, height and spread requirements as specified. Single trunk trees shall have a straight trunk. Trees which have a damaged or crooked leader or trunk or are one-sided or do not have a full, symmetrical branch structure and crown, will be rejected. Ball shall be firm, neat, slightly tapered, and well burlapped. Any tree loose in the ball or with broken ball at the time of planting will be rejected. Trees with abrasions on the bark, disfiguring knots, or wounds over two (2) inches which have not calloused will be rejected. All trees shall have trunk flare exposed, excess soil shall be removed from root ball necessary
. Tree ball sizes shall be as outlined in ANSI Z6.0.1 - 1980.
Multi-trunk Trees: No division of the trunk which branches more then six (6) inches from the ground level, as determined by the root crown of the plant, shall be considered a stem.

Ornamental Trees
Ornamental trees shall be healthy, vigorous; full branched, well shaped, and shall meet the height and spread, caliper and branching character as specified. Trees not having a full, symmetrical branch structure and crown will be rejected.
Single trunk ornamental trees shall have straight trunks with branching beginning a minimum of forty-two (42) inches above the top of the bail or container.
Multi-trunk ornamental trees shall be pruned so all "sucker" type branching is removed from around trunk canes as well as extraneous branching on trunk canes below crown of trees. Pruning shall be such that as least one-half of the plant is trunk branching and approximately one-half is crown foliage. All multi-trunk trees will conform to the number of trunk canes and/or caliper specified.

Bed Preparation

Groundcover Beds: Loosen all groundcover beds to a depth of six (6) inches. Two (2) inches of peat moss or compost shall be applied and worked into the upper six (6) inches of bed. Beds shall be thoroughly tilled and pulverized to a depth of six (6) inches and raked smooth. Work fertilizer into soil at the rate of twelve (12) pounds per 1000 square feet. Delivery receipts of soil amendments may be requested.
Rototill all seasonal color beds to a depth of six (6) inches. Four (4) inches of peat moss or compost shall be applied and worked into the upper six (6) inches of the bed. Beds shall be thoroughly tilled and pulverized to a depth of six (6) inches and raked smooth. Beds shall be left two (2) to three (3) inches higher than surrounding grade for proper drainage.
Shrub Bed Planting: Rototill all shrub beds to a depth of six (6) inches. Four (4) inches of peat moss or compost shall be applied and worked into the upper six (6) inches of the bed. Beds shall be thoroughly tilled and pulverized to a depth of six (6) inches and raked smooth. Beds shall be left two (2) to three (3) inches higher than surrounding grade for proper drainage. Broadcast fertilizer and work lightly into the soil around the shrubs at the rate of (12) twelve pounds per 1000 square feet. Bed shall be left high to prevent poor drainage or ponding of water within the bed.
Care shall be taken to prevent planting beds from blocking drainage against building or impeding site drainage in any way.

Clean-Up
During the work, the premises are to be kept neat and orderly at all times. Storage areas for plant and other materials shall be so organized that they, too, are neat and orderly. All trash, including debris resulting from removing weeds or rocks from planting area, preparing beds, or planting plants, shall be removed from the site daily as the work progresses. All walks and drives shall be kept clean by sweeping and hosing. Excavated soil may be distributed on the site or hauled off site as directed by Owner.

Maintenance
The Contractor shall maintain all trees, shrubs, and groundcover under this Contract until initial acceptance, by adequate watering, cultivating the top two (2) inches, weeding every two (2) weeks, spraying, and replacing as necessary to keep plants in a healthy, vigorous condition. Bed areas shall be raked as may be required to keep them neat.
The Contractor shall maintain all grass areas under this Contract until initial acceptance by watering, mowing, spraying, fertilizing, etc.

One Year Maintenance
The Contractor shall submit a separate price for maintenance of the landscape and irrigation installation for a period of one (1) year after initial acceptance. Maintenance shall be based on the Maintenance Specifications listed above.

Tree Guying And Staking
Submit unit cost in bid for staking all trees four (4) inch caliper and under, with three (3) steel stakes and three (3) Adj-A-Tye straps, Model 5100. Stakes should be located equal distant around the tree, and outside of tree pit. Stakes to be embedded a minimum of two (2) feet into stable soil.
Staked and guys shall be removed following the one (1) year warranty period.

Bed Alignment And Plant Placement
Shrubs and groundcover shall be planted in string line straight rows using alternative spaces between rows. The specified quantity of shrubs or groundcover shall be placed in the bed prior to planting to assure even coverage. The specified quantity of seasonal color shall be placed in the bed prior to planting to assure even coverage.
After the planting is completed, all cultivated areas shall be leveled, loosened, and raked, and the edges carefully trimmed so that the tree pits and beds shall present a neat appearance. Care shall be used that these bed edges conform as closely as possible with the lines shown on the Planting Plan. Steel edging stakes shall be on the inside of the beds.

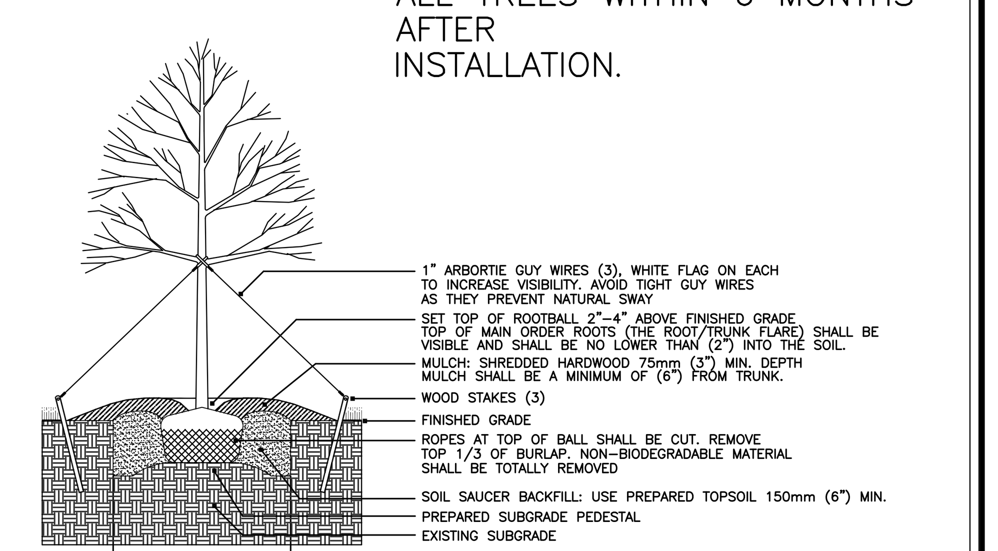
Top Dressing
After the work of planting has been completed and approved by the Landscape Architect, mulch all beds and tree rings with two (3) inches of shredded hardwood bark mulch, lightly cultivated into area. Do not disturb watering saucer and do not cover root flair.

Materials
Compost: 100% organic, aerobically composted humus, fully composted under proper C/H ratios with sustained temperatures to 170 degrees F., possessing excellent air porosity, water holding capacity and drainage, optimum cation exchange capacity, free of weeds, weed seeds, insect pests and with a pH averaging 6.5 to 7.0. As supplied by Living Earth Technology, Dallas, Texas, or approved equal.
Fertilizer: Complete slow release fertilizer with an organic base, uniform in composition, dry and free flowing. Deliver fertilizer to site in original unopened containers, each bearing manufacturer's guaranteed statement of analysis. Fertilizer shall contain 20% nitrogen, 10% phosphoric acid, 10% potash, unless otherwise specified or approved. "Agriform" by Sierra Chemical Company, or approved equal.
Peat Moss: Clean hypnum peat, free of noxious weeds and rubble, dark brown in color.
Pine Fines: Fine texture, ¼ to ½ inch size, free of noxious weeds and rubble.
Topsoil: Fertile natural surface soil, uniform in composition, similar to site topsoil if approved, free of stones, lumps, weeds, and roots. Minimum 20 percent organic matter, 50 to 70 percent sand, 15 to 20 percent clay. If topsoil at the site does not meet specifications, Contractor is responsible for importing topsoil to the site for the purpose of backfilling plant pits.

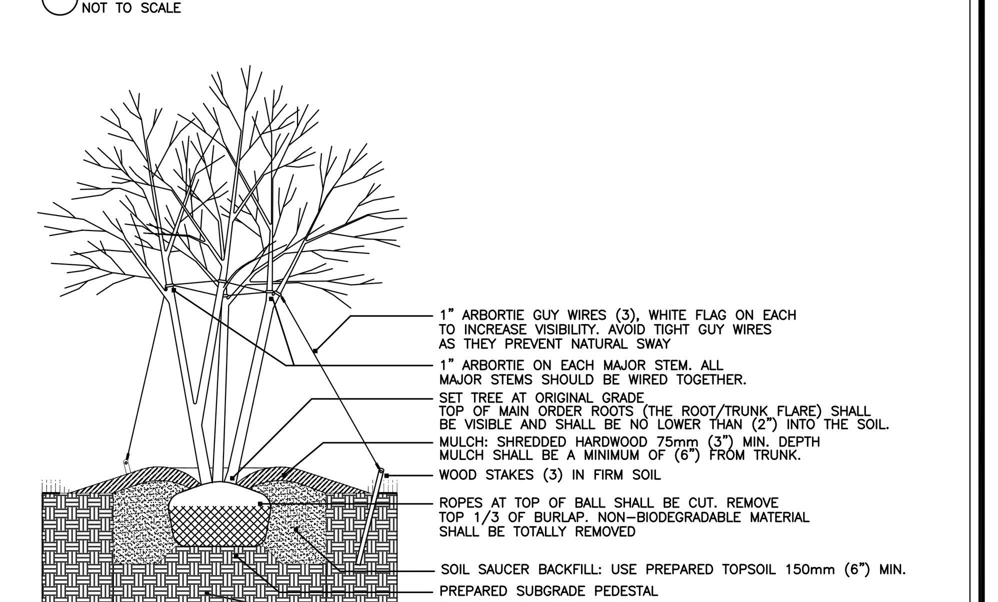
PLANT LIST

QTY	SYM	Common Name	Scientific Name	Size	Spacing
Trees					
40	UAE	Allee Elm	Ulmus parvifolia 'Allee'	3" Cal, 12' ht	as shown

NOTE: LANDSCAPE CONTRACTOR TO CUT BURLAP & REMOVE WIRE BASKET ON ALL TREES WITHIN 6 MONTHS AFTER
INSTALLATION.



DECIDUOUS TREE PLANTING
NOT TO SCALE



MULTI-STEM TREE PLANTING
NOT TO SCALE

REQUIRED TREE DENSITY
Existing Tree Schedule
Trees Saved

Tree No.	Trees Saved	DBH	Units	Total Units
1	hackberry	18	2.8	50.4
2	hackberry	12	1.8	21.6
3	oak	12	1.8	21.6
4	oak	12	1.8	21.6
5	hackberry	12	1.8	21.6
6	hickory	12	1.8	21.6
7	hackberry	12	1.8	21.6
16	pine	12	1.8	21.6
17	pine	12	1.8	21.6
18	oak	16	2.4	38.4
19	hackberry	12	1.8	21.6
20	hackberry	12	1.8	21.6
44	hackberry	12	1.8	21.6
46	hackberry	12	1.8	21.6
47	hackberry	16	2.4	38.4
48	hackberry	16	2.4	38.4
49	hackberry	16	2.4	38.4
50	hackberry	16	2.4	38.4
51	hackberry	12	1.8	21.6
52	hackberry	12	1.8	21.6
53	hackberry	16	2.4	38.4
54	hackberry	16	2.4	38.4
55	hickory	12	1.8	21.6
56	hickory	12	1.8	21.6
57	hickory	16	2.4	38.4
58	hickory	16	2.4	38.4
59	hickory	12	1.8	21.6
60	hickory	12	1.8	21.6
61	hackberry	12	1.8	21.6
62	hackberry	12	1.8	21.6
63	hackberry	12	1.8	21.6
64	hackberry	12	1.8	21.6
65	pine	12	1.8	21.6
66	hackberry	16	2.4	38.4
67	hackberry	12	1.8	21.6
68	hackberry	12	1.8	21.6
69	hackberry	12	1.8	21.6
70	hackberry	12	1.8	21.6
71	hackberry	18	2.8	50.4
72	hackberry	16	2.4	38.4
73	pine	12	1.8	21.6
80	hackberry	12	1.8	21.6
83	hackberry	12	1.8	21.6
84	pine	18	2.8	50.4
85	hackberry	16	2.4	38.4
86	pine	16	2.4	38.4
91	pine	12	1.8	21.6
92	hackberry	12	1.8	21.6
93	hackberry	12	1.8	21.6
94	hackberry	12	1.8	21.6
127	hackberry	12	1.8	21.6
128	hackberry	16	2.4	38.4
129	hackberry	12	1.8	21.6
130	hackberry	12	1.8	21.6
131	hackberry	12	1.8	21.6
132	hackberry	12	1.8	21.6
133	hackberry	16	2.4	38.4
134	oak	20	3.2	64
135	hackberry	12	1.8	21.6
155	pine	12	1.8	21.6
160	hackberry	12	1.8	21.6
161	hackberry	12	1.8	21.6
162	hackberry	12	1.8	21.6
163	hackberry	12	1.8	21.6
164	hackberry	12	1.8	21.6
185	hackberry	16	2.4	38.4
188	hackberry	16	2.4	38.4
189	hackberry	12	1.8	21.6
190	hackberry	16	2.4	38.4
191	hackberry	12	1.8	21.6
202	hackberry	12	1.8	21.6
203	hackberry	12	1.8	21.6
			Total	1914.4

Replacement Tree Schedule

Trees	Qty	Cal	Units	Total Units
UAE	40	3	0.6	72
			Total	72

Total Trees (DBH)	1986.4
Total Acreage	16.7
Total Tree Density	118.95

SCALE: 1" = 50'

N

0' 25' 50' 120'

The Addison Group, LLC 2015

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REQUIRED LANDSCAPE PLANS
ASHER SUBDIVISION
1613 & 1615 SUNSET ROAD
NOLENSVILLE, TENNESSEE

DANIEL WOODS
REGISTERED
AGRICULTURE
COMMERCE
Tennessee No. 733
LANDSCAPE ARCHITECT

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REVISIONS:

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