

K:\2017\ARCHIVE\AUTOCADD 2017 RESIDENTIAL 2017\BENDER 5-30-17 FOR EXPORT TO CENTURY EQUIPMENT 6-16-17.dwg, L1
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236 North Columbia Avenue

| PLANT SURVEY * | | | |
|----------------|---------------------------------|---|---|
| A | LIQUIDAMBAR styraciflua | Sweetgum | Existing Street Tree- protected |
| B | ACER saccharum | Sugar Maple | Existing Street Tree- protected |
| C | ACER saccharum | Sugar Maple | Existing Street Tree- protected |
| D | TSUGA canadensis | Canadian Hemlock | 11" average caliper 16 trees to be removed |
| E | TSUGA canadensis | Canadian Hemlock | 12.5" caliper Remove |
| F | ACER saccharum | Sugar Maple | 30" caliper Keep and protect |
| G | Mixed understory and volunteers | TAXUS media | 5' shrubs To Remove |
| | | White Ash | Under 6" caliper To Remove |
| | | Canadian Hemlock | Average 10" caliper 25 trees to be removed |
| H | TSUGA canadensis | Canadian Hemlock | 11.5" caliper Keep and protect |
| I | CORNUS Mas | Cornelian Cherry | 10' shrubs Remove |
| J | AMUR Lonicera maackii | Amur Honeysuckle | 12' tall Invasive- remove |
| K | PINUS resinosa | Red Pine | 21.5" caliper Covered in Wisteria- remove |
| L | AMUR Lonicera maackii | Amur Honeysuckle | 12' tall Invasive- remove |
| M | QUERCUS rubra | Northern Red Oak | 43" caliper To Remove |
| N | QUERCUS rubra | Northern Red Oak | 32.5" caliper To Remove |
| O | QUERCUS rubra | Northern Red Oak | 34" caliper To Remove |
| P | ACER palmatum | Japanese Maple | 5.5" caliper To Remove |
| Q | ACER griseum | Paperbark Maple | 13.5" caliper To Remove |
| R | ACER rubrum | Red Maple | 40" caliper Remove |
| S | THUJA occidentalis | American Arborvitae | 12" tall shrubs Remove |
| T | LIGUSTRUM vulgare | Common Privet | 4' tall hedge To Remove |
| U | Volunteer trees | Celtis occidentalis- Hackberry | 9" caliper Volunteer- in fence- remove |
| | | ACER negundo- Boxelder | 11" caliper Volunteer- in fence- remove |
| | | PRUNUS serotina- Black Cherry | 8" caliper Volunteer- in fence- remove |
| | | KOELREUTERIA paniculata-GoldenRain Tree | 12" Volunteer- in fence- remove |
| V | GLEDITSIA tricanthos | Honey Locust | 34.5" caliper Keep and protect |
| W | PRUNUS calleryana | Bradford Pear | Average 27" caliper Remove 10 trees |
| X | GINKGO biloba | Maidenhair | 30" caliper Keep and protect |
| Y | MALUS x scheideckeri | Flowering Crabapple | 8.5" caliper 2 trees - remove |
| Z | TSUGA canadensis | Canadian Hemlock | 12" caliper 4 trees - remove |

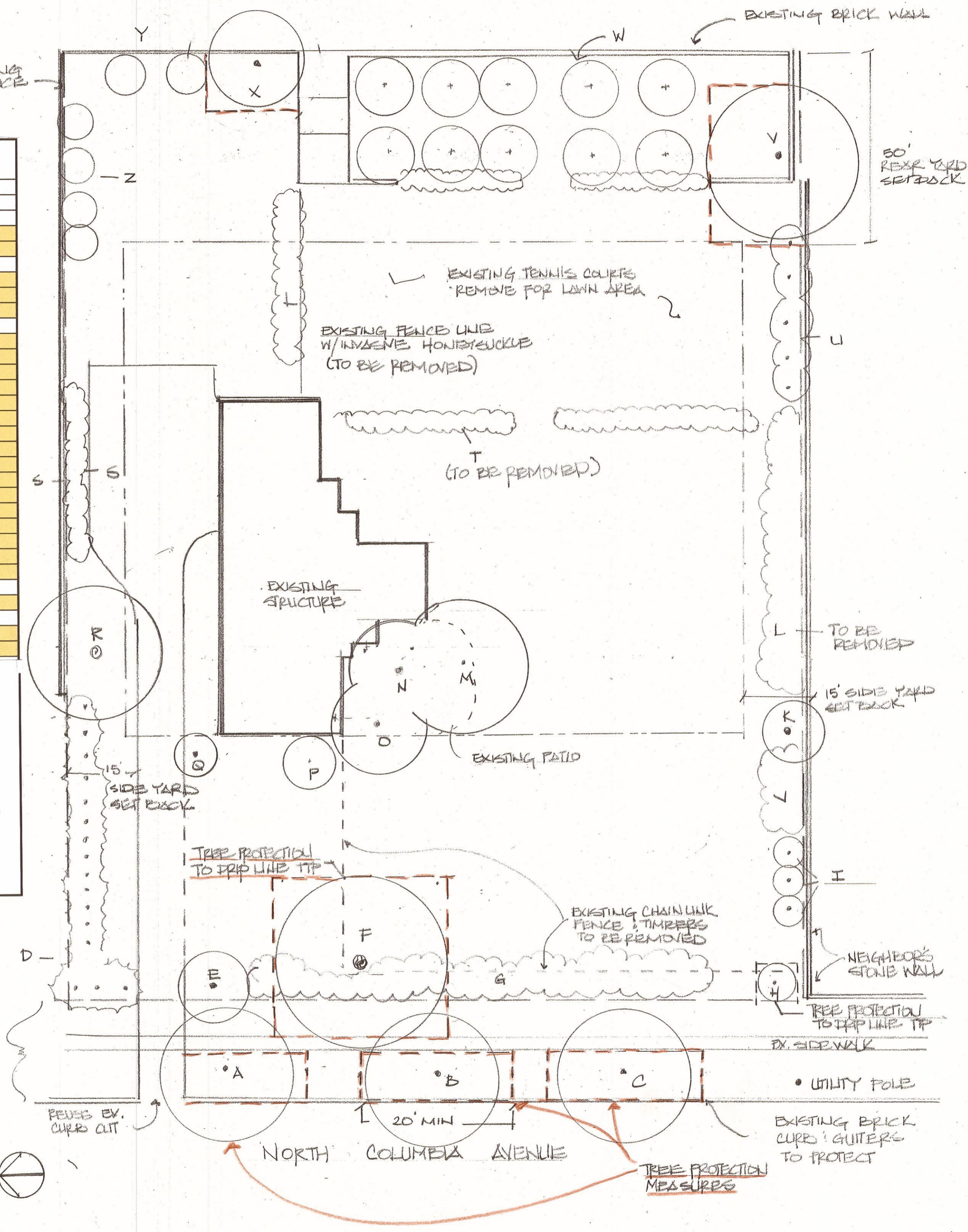
Total Caliper of Trees 1065 inches
Total Caliper Removals 959 inches

* Details on the condition of the existing trees can be found in the included report from the Master Arborist.

Summary of Tree Removal and Plantings

| Removals | |
|----------|--|
| 3 | Red Oak |
| 10 | Bradford Pear |
| 1 | Red Pine |
| 46 | Canadian Hemlock |
| 4 | Ornamental Trees |
| | Miscellaneous Volunteer trees, old and invasive shrubs |
| 69 | Main Tree Removals |

| New Trees | | |
|-----------|-------------------------|--|
| 11 | Hornbeam | North of drive, front of house |
| 9 | Oaks | Secret Garden and South lawn |
| 4 | Birch | Secret Garden |
| 23 | Evergreens | North and South Property Lines |
| 24 | Ornamental | Throughout property |
| | | Mix of Evergreen and blooming shrubs, perennials |
| 71 | Proposed Tree Plantings | |



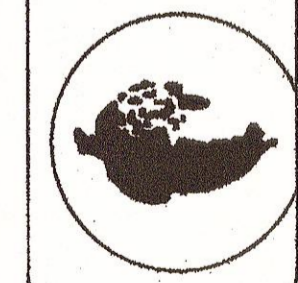
| REVISIONS | BY |
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| 10/31/24 | LFB |
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236 NORTH COLUMBIA AVE
BEXLEY, OH
SITE PLAN

landscape architecture
site planning
construction management

1426 Colburn Trail, Suite 100
Columbus, Ohio 43221
(614) 286-3824

Oakland Design Associates



| DRAWN | |
|---------------|-------------|
| L. F. BOKLINE | |
| CHECKED | |
| DATE | 10/2/24 |
| SCALE | 1" = 20'-0" |
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Connor Residence

236 North Columbia Ave



View East to property from Across the street



View East to property of viable Hemlock on street



View West from driveway of large Maple near the street



View East up driveway of Hemlock row, large Maple and Paper Bark Maple



Hemlock row on North property line



View of East property line and Large Ginkgo tree



View South into "secret garden":



Existing Pears in "secret Garden"



Existing Pears in "secret Garden"



Existing Pears in "secret Garden"



Three Oaks in the middle of the property

236 Columbia Ave trees

From TJ Nagel <tj@russelltreeexperts.com>

Date Thu 10/31/2024 9:40 AM

To Lori Botkins <LBotkins@oaklandnursery.com>

You don't often get email from tj@russelltreeexperts.com. [Learn why this is important](#)

Hi Lori,

I stopped out yesterday, 10/30/24, at the 236 Columbia Ave. Bexley, OH 43209 address to take a second look at the mature landscape trees on the property you requested. I visited the property initially with you on Friday 10/11/24 to identify tree species and record trunk diameters.

The following are my thoughts after walking the property yesterday to evaluate the health and condition of the mature trees.

I observed fungal conks (which are the fruiting body of decay) and hollow cavities on the buttress roots of all three of the mature Northern Red oak on the SW corner of the house. These fungal conks are most likely the fruiting body of Ganoderma buttress rot, an aggressive decay pathogen that degrades the wood fibers of its host near ground level and ultimately impacts the stability of the tree. It is quite common for trees with Ganoderma buttress rot to fail under significant load bearing events like high winds or significant ice/snow accumulation. Removal of these three trees is recommended. I have included some photos of the defects in these trees at the bottom of this letter.

The large Red pine along the South perimeter of the property has been mostly covered and highly shaded by wisteria and other vines for many years. The live crown ratio is less than 25% and most of the lower to middle scaffold limbs are dead. Removal of this tree or significant pruning is recommended.

The group of 10 Callery pear along the East side of the property in the secret garden have been neglected over the years and all have developed poor structure. Several of the trees have already had whole stems fail and all of the canopies have large diameter broken limbs and hangers. These trees are beyond long term preservation and removal is recommended.

The large Red maple on the North side of the house and driveway has 3 existing steel cables to support the union where the two main stems come together. There is also decay present at this union. Additionally, there is little response growth around old existing pruning cuts indicating the overall vigor of this tree is poor. I observed two large existing wounds with decay present on the lower portions of the main stem. Removal of this tree is recommended. I have attached pictures below of the defects in this tree (the decay in the main stem attachment is partially blocked by a euonymus vine).

The Canadian hemlocks along the North and West perimeter of this property are in fair to poor condition. The canopies are thin and have a high volume of dead limbs. A couple of the Canadian hemlocks are entirely dead. Others are infested with elongate hemlock scale which is a difficult pest to manage and will likely lead to further decline in these trees. Mature Canadian hemlock have poor regenerative growth and it is unlikely that these will ever be an effective screen or landscape plant again. Removal and replacement is recommended.

In all, there are three mature trees I recommend making efforts to preserve on this property; the Sugar maple along the West property line, the larger of two Honeylocust trees on the SE corner of the property and the Ginkgo along the East property line (near the entrance to the Secret Garden).

Please let me know if I can answer any other questions or concerns.

Below are images taken of the buttress root systems of three Red oak trees on SW corner of home











Below are images of Red maple North side of house/driveway 10/30









T.J. Nagel, Production Manager



OH-6298B

ISA Tree Risk Assessment Qualified



3427 E. Dublin Granville Rd.
Westerville, OH 43081
Phone: 614.895.7000
FAX: 614.895.9500

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T.J. Nagel's credentials

From TJ Nagel <tj@russelltreeexperts.com>

Date Thu 10/31/2024 1:38 PM

To Lori Botkins <LBotkins@oaklandnursery.com>

2 attachments (830 KB)

Outlook-a3iux3wd; Outlook-A close-up;

You don't often get email from tj@russelltreeexperts.com. [Learn why this is important](#)

T.J. Nagel is a Board Certified Master Arborist with the International Society of Arboriculture. This is the highest credential obtainable through the ISA and less than 2% of Certified Arborists in the United States have achieved it.

T.J. Nagel has worked as an Arborist with Russell Tree Experts since 2010. He is a qualified Tree Risk Assessor with the ISA as well as a Certified Tree-care Safety professional with the Tree Care Industry Association.

T.J. Nagel graduated from Ohio State in 2012 with a Bachelor of Science in Agriculture with a major in horticulture and minor in Entomology. He currently works as the Production manager for Russell Tree Experts and is a member of the senior management team. T.J. Is an avid tree lover and plant collector.

T.J. Nagel, Production Manager



OH-6298B



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Westerville, OH 43081

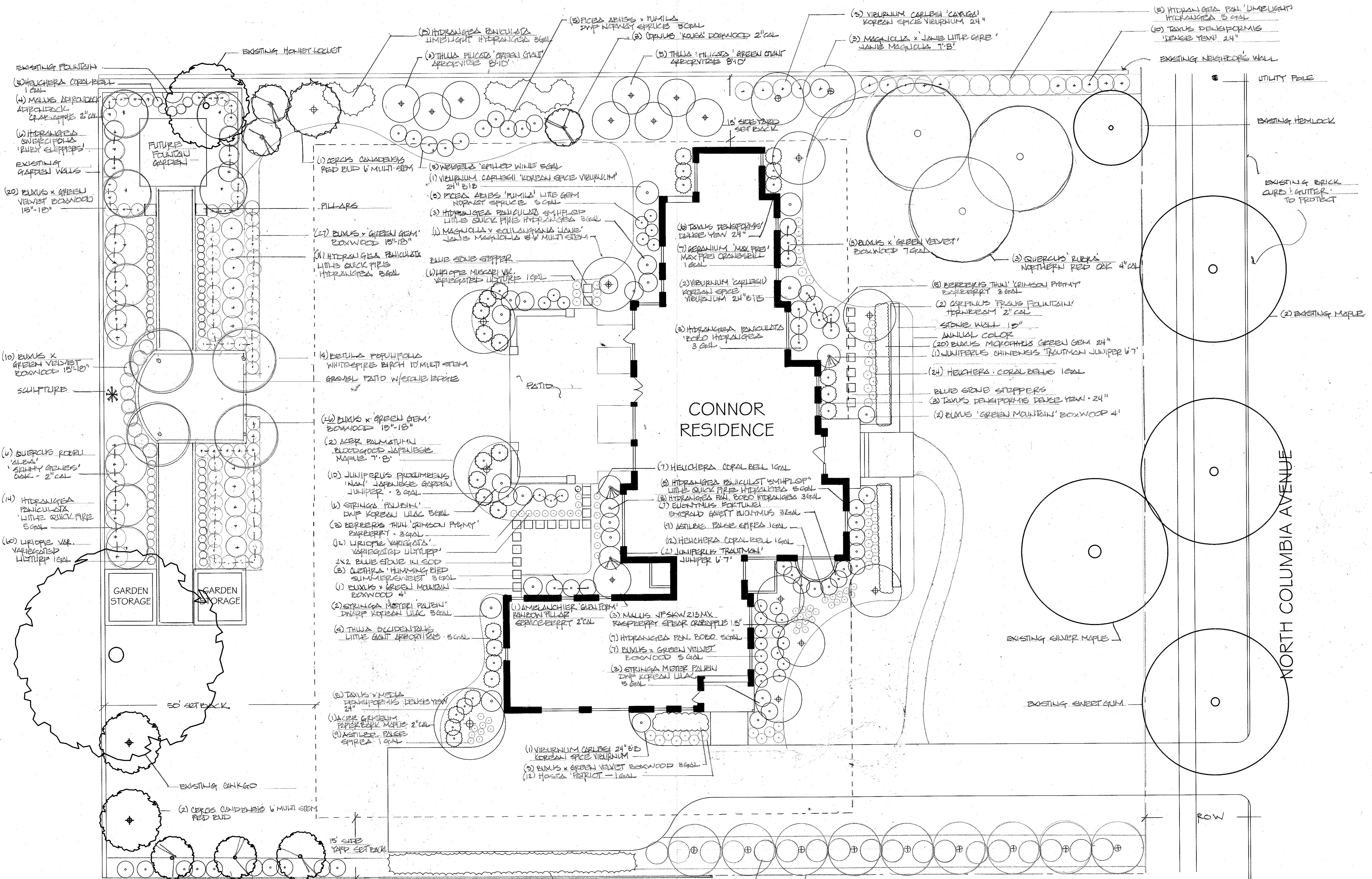
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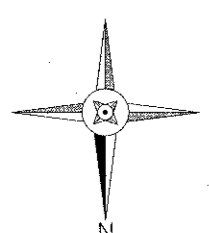
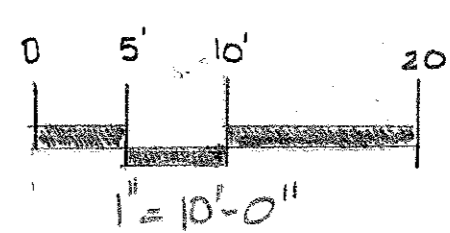
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CONNOR RESIDENCE

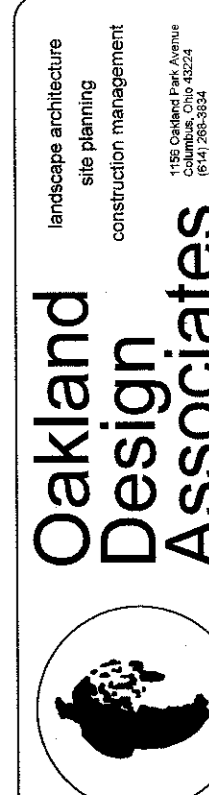
NORTH COLUMBIA AVENUE

NOTE: PROPERTY TO INSTALL IRRIGATION SYSTEM FOR LAWN AND PLANTING AREAS



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CONNOR RESIDENCE - LANDSCAPE MASTER PLAN
236 NORTH COLUMBIA AVENUE, BEXLEY, OHIO 43209



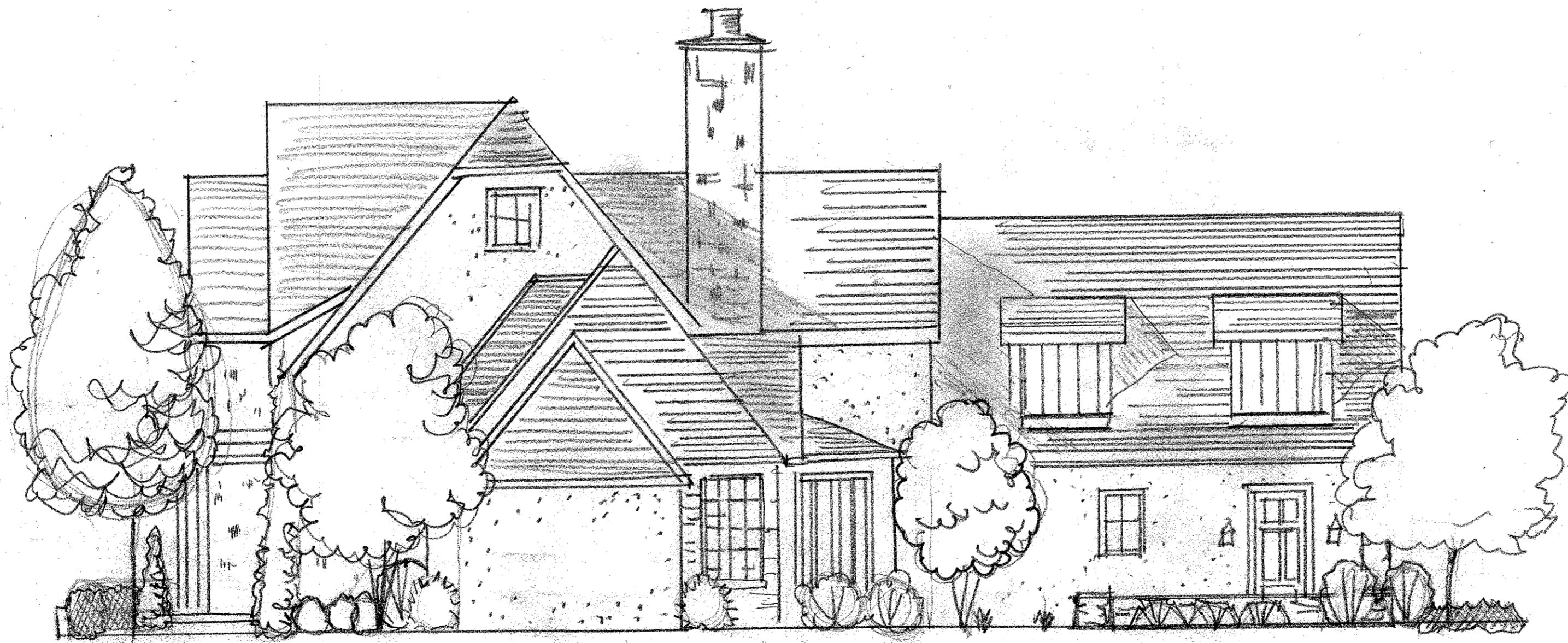
Connor Residence-PLANT LIST

| QUANTITY | PLANT NAME | | SIZE |
|--|----------------------------|--|-----------------|
| TREES | | | |
| 11 | COLUMNAR EUROPEAN HORNBEAM | CARPINUS BETULUS 'Franz Fontaine' | 2.5" |
| 3 | OAK | QUERCUS rubra 'Northern Red Oak' | 4" caliper |
| 3 | CRABAPPLE | MALUS 'Raspberry Spear' | 1.5" caliper |
| 4 | CRABAPPLE | MALUS 'Adirondack' | 2" caliper |
| 1 | PAPERBARK MAPLE | ACER GRISEUM | 2.5" |
| 4 | MAGNOLIA | MAGNOLIA x 'Jane' LITTLE GIRL | 7-8' |
| 3 | UPRIGHT JUNIPERS | JUNIPERUS chinensis 'Trautman' | 6'-7' |
| 1 | SERVICEBERRY | AMELANCHIER canadensis 'Glenn Form' RAINBOW PILLAR | 2" caliper |
| 2 | JAPANESE MAPLE | ACER palmatum 'Bloodgood | 7'-8' |
| 4 | BIRCH | BETULA populifolia 'Whitespire' | 10' multi-stem |
| 6 | OAK - Skinny Genes | QUERCUS robur x alba JFS-KW2QRX | 2" caliper |
| 8 | ARBORVITAE | THUJA plicata x standishii 'Green Giant | 8'-10' |
| 15 | ARBORVITAE | THUJA occidentalis 'Smaragd | 7'-8' |
| 6 | Kousa Dogwood | CORNUS 'Kousa' | 1.5"-2" caliper |
| 3 | Eastern Red Bud | CERCIS canadensis | 6' Multi-stem |
| Total Caliper Inches of New Trees to install (not including evergreens) | | | 131.5 |
| SHRUBS | | | |
| 9 | FLOWERING VIBURNUM | VIBURNUM carlesii 'Cayuga' | 24" B&B |
| 24 | YEW | TAXUS 'Densiformis' | 18-24" |
| 13 | HYDRANGEA | HYDRANGEA paniculata 'ILVOBO' Bobo | #5 |
| 33 | HYDRANGEA | HYDRANGEA paniculate 'Little Quick Fire' | #5 |
| 41 | HYDRANGEA | HYDRANGEA paniculate 'Limelight' | #5 |
| 6 | HYDRANGEA | HYDRANGEA quercifolia 'Ruby Slippers' | #5 |
| 35 | GREEN VELVET BOXWOOD | BUXUS X 'GREEN VELVET' | 15-18" |
| 5 | GREEN MOUNTAIN BOXWOOD | BUXUS X 'GREEN MOUNTAIN' | 48" |
| 73 | GREEN GEM | BUXUS X 'GREEN GEM' | 15"-18" |
| 11 | LILAC | SYRINGA PATULA 'Dwarf Korean' | 24-30" |
| 11 | DWARF BARBERRY | BERBERIS 'CRIMSON PYGMY' | #3 |
| 3 | SUMMERSWEET | CLETHRA 'Hummingbird' | #3 |
| 10 | JUNIPER | JUNIPERUS procumbens 'Nana' | 15-18" |
| 10 | Dwarf Norway Spruce | PICEA abies 'Pumilla' | #5 |
| 4 | ARBORVITAE | THUJA 'Little Giant' | 24" |
| 7 | EUONYMUS | EUONYMUS 'Emerald Gaiety' | 18" |
| 5 | WEIGELA | WEIGELA 'Spilled Wine' | 18" |
| PERENNIALS & GRASSES | | | |
| 7 | CRANESBILL | GERANIUM sanguineum 'Max Frei' | #1 |
| 12 | HOSTA | HOSTA SPECIES | #1 |
| 48 | CORALBELLS | HEUCHERA SPECIES | #1 |
| 18 | FALSE SPIREA | ASTILBE species | #1 |
| 80 | LILYTURF | Liriope muscari 'Variegata' | #3 |

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East Elevation
SCALE 1/8" = 1'-0"



South Elevation
SCALE 1/8" = 1'-0"

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236 NORTH COLUMBIA AVE
 BEXLEY, OHIO
 LANDSCAPE ELEVATIONS

landscape architecture
 site planning
 construction management

1156 Oakland Park Avenue
 Columbus, Ohio 43224
 (614) 268-3834

**Oakland
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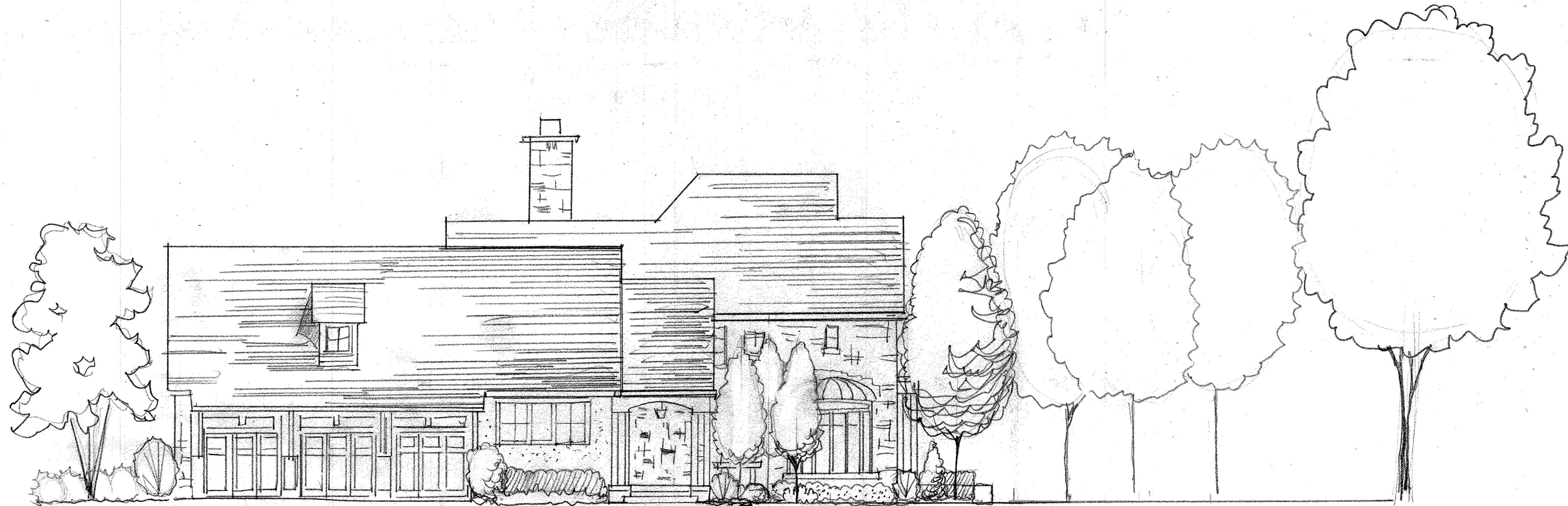
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ATLAS BLUEPRINT 10021



WEST ELEVATION
SCALE 1/8" = 1'-0"



NORTH ELEVATION
SCALE 1/8" = 1'-0"

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