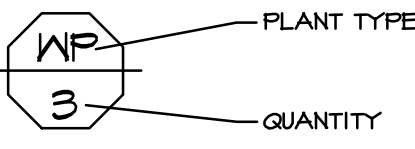
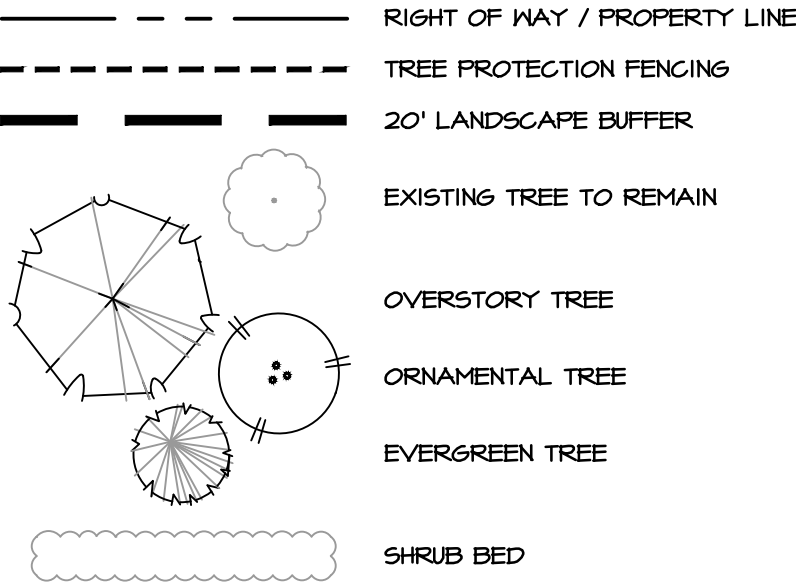


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 - ALL TREES, EVERGREEN OR DECIDUOUS, SHALL BE A MINIMUM OF 4' FROM ANY PAVING EDGE.
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- PLANT BACKFILL FOR TREES AND SHRUBS SHALL BE PER SPECIFICATIONS.
- ALL PLANTING BEDS SHALL BE TREATED WITH DACTHAL PRE-EMERGENT HERBICIDE AT MANUFACTURER RECOMMENDED RATES AND SHALL BE COVERED WITH SPECIFIED MULCH APPLICATION. APPLY LIGHTER APPLICATION OF DACTHAL HERBICIDE TO TOP OF MULCH LAYER.
- ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT DESIGNATED AS PLANTING BEDS OR PAVEMENT AREAS SHALL BE SEEDDED WITH A TURF TYPE TALL FESCUE PER SPECIFICATIONS.
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- PLANT KEY DESCRIPTION:

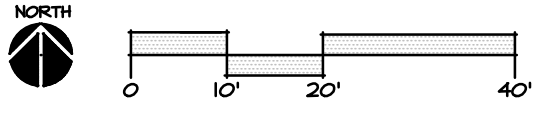


LANDSCAPE LEGEND:



LANDSCAPE PLAN NOTES:

- PLANTING BED WITH HARDWOOD MULCH; REF. LANDSCAPE GENERAL NOTES, LANDSCAPE DETAILS & SPECIFICATIONS
- EXISTING TREE TO REMAIN
- SIGHT TRIANGLES
- PARKING LOT PERIMETER USED FOR 5% CALCULATION



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Mid-Continent Public Library
RENOVATIONS TO
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1000 NE Colburn Road
Lee's Summit, Missouri 64086
Jackson County

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PACKAGE
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ochsner hare + hare
the olsson studio

Ochsner Hare & Hare
Missouri State Certificate of Authority #2005000285
Revision No. Description Date

Project No. 016-1023 Date 12/10/19 Drawn TG

Drawing No.

L500
OVERSTORY LANDSCAPING
& BUFFER PLAN

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Mid-Continent Public Library

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OF SUBMITTAL

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CONSTRUCTION

ochsner hare + hare
the **olsson** studio

Ochsner Hare & Hare		
Missouri State Certificate of Authority #2005000285		
Revision No.	Description	Date

Project No.	Date	Drawn
016-1023	12/10/19	TG

Drawing No.		

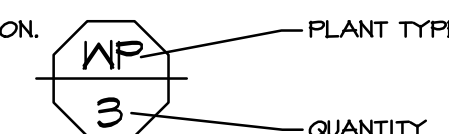
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UNDERSTORY LANDSCAPING & BUFFER PLAN

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18. PLANT KEY DESCRIPTION. () PLANT TYPE

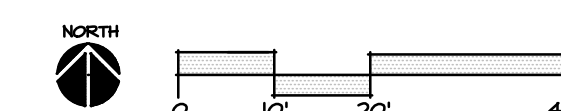


LANDSCAPE LEGEND:

-
- The diagram illustrates a detention basin cross-section with the following layers and features:
- RIGHT OF WAY / PROPERTY LINE**: Indicated by a dashed line at the top.
 - 20' LANDSCAPE BUFFER**: A black rectangular area below the right-of-way line.
 - EXISTING TREE**: A tree symbol located within the landscape buffer.
 - OVERSTORY TREE**: A large tree symbol within the detention basin.
 - ORNAMENTAL TREE**: A smaller tree symbol within the detention basin.
 - FESCUE SEED MIX**: A layer of small dots representing seed mix.
 - DETENTION BASIN SEED MIX**: A layer of diagonal hatching representing seed mix.
 - TURF TYPE FESCUE SOD**: A solid grey layer representing sod.

LANDSCAPE PLAN NOTES:

- 1 AREA TO BE SODDED WITH TURF TYPE FESCUE, REF. SPECIFICATIONS
- 2 AREA TO BE SEEDDED WITH FESCUE SEED, REF. SPECIFICATIONS
- 3 AREA TO BE SEEDDED; DETENTION BASIN MIX TO BE DETERMINED
- 4 PLANTING BED WITH HARDWOOD MULCH, REF. LANDSCAPE GENERAL NOTES, LANDSCAPE DETAILS 4 SPECIFICATIONS
- 5 STEEL BED EDGE
- 6 SIGHT TRIANGLES
- 7 20' LANDSCAPE BUFFER



1 UNDERSTORY LANDSCAPING & BUFFER PLAN

PARKING LOT LANDSCAPE - AREA CALCULATIONS					
ORDINANCE REQUIREMENT					
LANDSCAPE ISLANDS, STRIPS AND PLANTING AREAS SHALL CONSTITUTE AT LEAST FIVE PERCENT (5%) OF THE ENTIRE AREA DEVOTED TO PARKING.					
TOTAL PARKING LOT AREA = 79,703 SQ FT FIVE PERCENT (5%) OF 79,703 = 3,985 SQ FT					
TOTAL LANDSCAPE AREA = 4,426 SQ FT					

STREET FRONTAGE TREES - PLANT SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	QUANTITY
SHADE TREES					
TG TM	Tilia cordata 'Greenspire' Taxodium distichum 'Mickelson'	GREENSPIRE LITTLELEAF LINDEN SHAWNEE BRAVE BALD CYPRESS	3" CAL. 3" CAL.	B 4 B B 4 B	10 1
ORNAMENTAL TREES					
CC	Cercis canadensis	EASTERN REDBUD	3" CAL.	B 4 B	3
ORDINANCE REQUIREMENT					
ONE (1) TREE PER 30 LINEAR FEET OF STREET FRONTAGE.					
400 FT. OF STREET FRONTAGE / 30 = 14 TREES REQUIRED					
TOTAL PROPOSED 14					

OPEN YARD TREES - PLANT SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	QUANTITY
SHADE TREES					
AT TG TM	Acer truncatum Tilia cordata 'Greenspire' Taxodium distichum 'Mickelson'	SHANTUNG MAPLE GREENSPIRE LITTLELEAF LINDEN SHAWNEE BRAVE BALD CYPRESS	3" CAL. 3" CAL. 3" CAL.	B 4 B B 4 B B 4 B	24 2 1
ORNAMENTAL TREES					
AS CC CV	Amelanchier x Grandiflora 'Autumn Brilliance' Cercis canadensis Chionanthus Virginicus	AUTUMN BRILLIANCE SERVICEBERRY EASTERN REDBUD WHITE FRINGETREE	3" CAL. 3" CAL. 3" CAL.	B 4 B B 4 B B 4 B	4 6 4
ORDINANCE REQUIREMENT					
ONE (1) TREE PER 5000 SQ. FT. OF TOTAL LOT AREA EXCLUDING BUILDING FOOTPRINT (IN ADDITION TO STREET TREES).					
174,380.3 SQ. FT. OF TOTAL LOT AREA MINUS 33,742.5 SQ. FT. OF BUILDING FOOTPRINT = 140,587.8 SF					
140,587.8 SQ. FT. / 5000 = 28 TREES REQUIRED					
TOTAL PROPOSED 41					

OPEN YARD SHRUBS - PLANT SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	QUANTITY
DECIDUOUS SHRUBS					
BB CH FI IVH IL	Buddleja Davidii 'Blue Chip' Cornus alba 'Ballhala' Forsythia X intermedia Itea virginica 'Henry's Garnet' Itea virginica 'Little Henry'	DWARF BUTTERFLY BUSH IVORY HALO DOGWOOD BORDER FORSYTHIA HENRY'S GARNET SHEETSPIRE VIRGINIA SHEETSPIRE	5 GAL. 5 GAL. 5 GAL. 5 GAL. 5 GAL.	CONT. CONT. CONT. CONT. CONT.	10 44 13 8 120
EVERGREEN SHRUBS					
RAG	Rhus Aromatica 'Gro-Low'	GRO-LOW FRAGRANT SUMAC	5 GAL.	CONT.	68
PERENNIALS / GRASSES					
BS EP PVH RH SSB	Baptisia 'Solar Flare' Echinacea purpurea Panicleum virgatum 'Heavy Metal' Rudbeckia fulgida speciosa 'Goldsturm' Schizachyrium Scoparium	SOLAR FLARE FALSE INDIGO PURPLE CONE FLOWER HEAVY METAL SHITAGRASS GOLDSTURM BLACK-EYED SUSAN LITTLE BLUESTEM	1 GAL. 1 GAL. 1 GAL. 1 GAL. 1 GAL.	CONT. CONT. CONT. CONT. CONT.	21 62 64 319 55
ORDINANCE REQUIREMENT					
TWO (2) SHRUBS PER 5000 SQ. FT. OF TOTAL LOT AREA EXCLUDING BUILDING FOOTPRINT.					
174,380.3 SQ. FT. OF TOTAL LOT AREA MINUS 33,742.5 SQ. FT. OF BUILDING FOOTPRINT = 140,587.8 SQ. FT. / 5000 x 2 = 57 SHRUBS REQUIRED					
TOTAL PROPOSED 141					

PARKING LOT SCREENING AND STREET FRONTAGE SHRUBS - PLANT SCHEDULE					
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	QUANTITY
DECIDUOUS SHRUBS					
BB CH FI IVH PD VCK	Buddleja Davidii 'Blue Chip' Cornus alba 'Ballhala' Forsythia X intermedia Itea virginica 'Henry's Garnet' Physocarpus opulifolius 'Diabolo' Viburnum carlesii	DWARF BUTTERFLY BUSH IVORY HALO DOGWOOD BORDER FORSYTHIA HENRY'S GARNET SHEETSPIRE DIABOLO NINEBARK KOREANSPICE VIBURNUM	5 GAL. 3 GAL. 3 GAL. 5 GAL. 5 GAL. 5 GAL.	CONT. CONT. CONT. CONT. CONT. CONT.	36 20 7 6 15 9
PERENNIALS / GRASSES					
BS EP RH SSB	Baptisia 'Solar Flare' Echinacea purpurea Rudbeckia fulgida speciosa 'Goldsturm' Schizachyrium Scoparium	SOLAR FLARE FALSE INDIGO PURPLE CONE FLOWER GOLDSTURM BLACK-EYED SUSAN LITTLE BLUESTEM	1 GAL. 1 GAL. 1 GAL. 1 GAL.	CONT. CONT. CONT. CONT.	10 5 10 18
ORDINANCE REQUIREMENT					
12 SHRUBS PER 40 LINEAR FEET (MUST BE 2.5 FEET TALL); MUST BE AT LEAST 18" TALL AT THE TIME OF PLANTING; MUST BE AT LEAST 2.5' IN HEIGHT AT MATURITY AND BE SUITABLE FOR PARKING APPLICATIONS.					
111 SHRUBS REQUIRED					
TOTAL PROPOSED 136					

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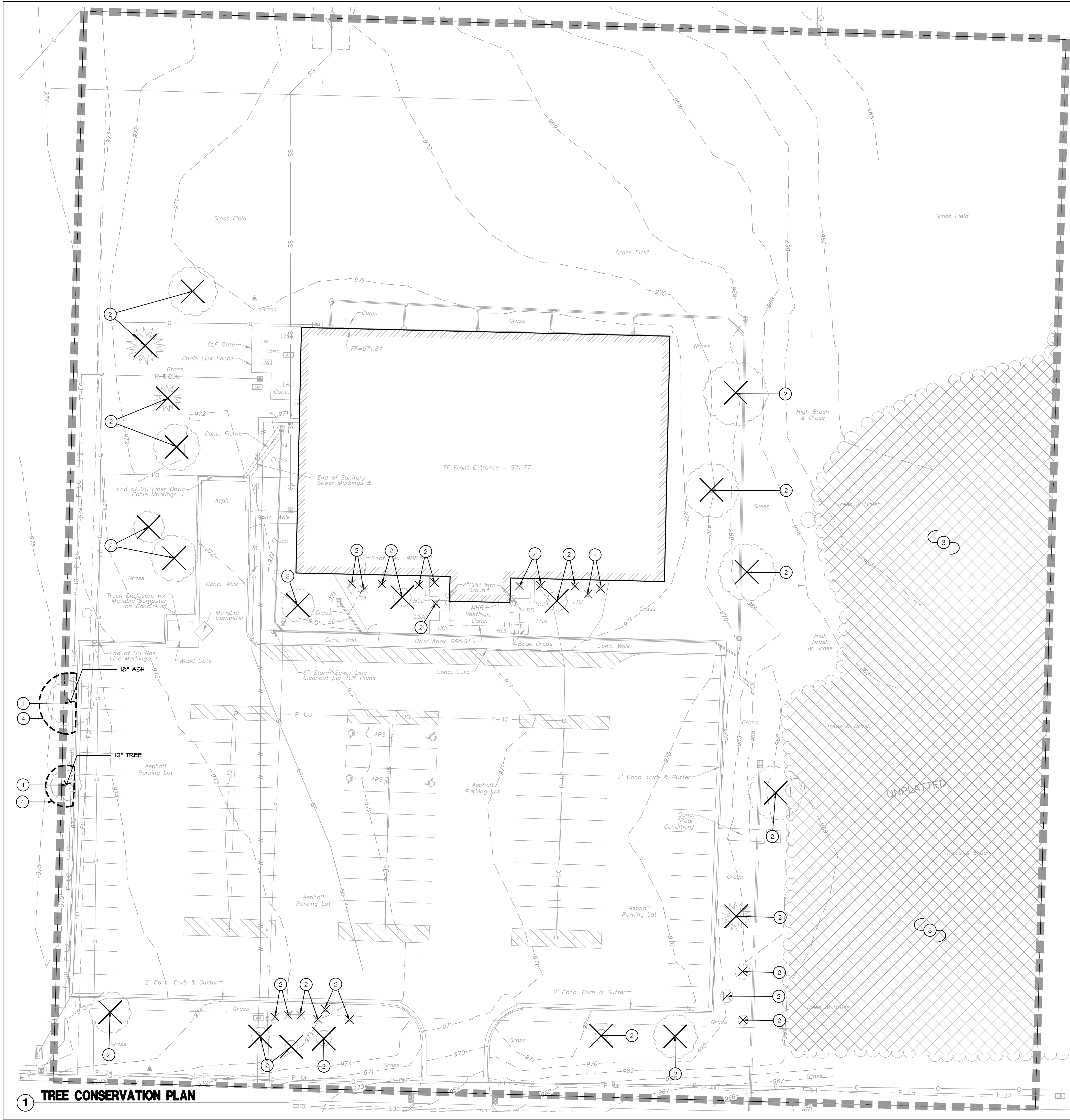
016-1023 12/10/19 TG

Drawing No.

L502

OVERSTORYAND UNDERSTORY
PLANT SCHEDULE

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TREE CONSERVATION GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF EXISTING FEATURES WITHIN THE LIMITS OUTLINE, INCLUDING BUT NOT LIMITED TO TREES, UNDERSTORY BRUSH, TURF LAWN, TRASH, ETC., UNLESS OTHERWISE NOTED.
2. ALL MATERIAL NOTED FOR DEMOLITION AND REMOVAL SHALL BE REMOVED, LEGALLY, OFF SITE BY THE CONTRACTOR AND DISPOSED OF AT LOCATIONS ACCEPTABLE TO THE OWNER AND GOVERNING AGENCIES.
3. PRIOR TO COMMENCING DEMOLITION WORK, THE CONTRACTOR SHALL VERIFY WITH UTILITY COMPANIES, THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL PROTECT ALL UTILITIES TO REMAIN IN SERVICE DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF ANY AND ALL UTILITIES AS REQUIRED BY THIS CONSTRUCTION.
4. CONTRACTOR SHALL PROTECT EXISTING STORM DRAINAGE STRUCTURES FROM SILTATION DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE FOR CONTROL OF SURFACE EROSION DURING CONSTRUCTION AND UNTIL THE OWNER ACCEPTS THE WORK AS COMPLETE. THE CONTRACTOR SHALL PROVIDE BERMS, SILT FENCE, STRAW BALES OR OTHER MEANS TO PREVENT SEDIMENT FROM REACHING THE PUBLIC RIGHT-OF-WAY, OR ADJACENT PROPERTY. IN THE EVENT THE PREVENTION MEASURES ARE NOT EFFECTIVE, THE CONTRACTOR SHALL REMOVE ANY DEBRIS AND SEDIMENT AND RESTORE THE RIGHT-OF-WAY AND ADJACENT PROPERTY TO ORIGINAL OR BETTER CONDITION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL REQUIRED PERMITS TO COMPLETE SCOPE OF WORK.
6. TREES TO BE REMOVED SHALL BE CUT DOWN, DEMOLISHED AND REMOVED FROM THE SITE. ALL BRUSH AND TREES SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER APPROVED BY OWNER.
7. CONTRACTOR SHALL REMOVE STUMPS BY GRINDING STUMPS AND REMOVING ROOTS, OBSTRUCTIONS AND DEBRIS EXTENDING TO A DEPTH OF 18" BELOW EXPOSED SUBGRADE.
8. DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE AND SHALL BE REMOVED AT FREQUENT INTERVALS. AT COMPLETION OF WORK IN EACH AREA, THE CONTRACTOR SHALL GATHER AND REMOVE ALL DEBRIS, EQUIPMENT, AND EXCESS MATERIAL FROM THAT AREA. AT FINAL COMPLETION OF ALL WORK HE SHALL REMOVE ALL SUCH ITEMS FROM THE PREMISES.
9. ALL TREES ON SITE TO REMAIN SHALL BE PROTECTED WITH SILT FENCE AND ORANGE CONSTRUCTION FENCE.

TREE CONSERVATION LEGEND:

- RIGHT OF WAY / PROPERTY LINE
- LIMITS OF CONSTRUCTION
- EXISTING TREE TO REMAIN
- EXISTING TREE & SHRUB TO BE REMOVED
- LIMITS OF EXISTING TREE CANOPY REMOVAL
- TREE PROTECTION FENCE

TREE CONSERVATION PLAN NOTES:

- 1 EXISTING TREE TO REMAIN.
- 2 EXISTING TREE TO BE CLEAR, GRUBBED, AND REMOVED.
- 3 CLEAR, GRUB AND REMOVE EXISTING TREE CANOPY TO LIMITS INDICATED AS THIS ON PLAN.
- 4 INSTALL TREE PROTECTION FENCE; REF: 2/L100

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Drawing No.

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**TREE CONSERVATION
PLAN**

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