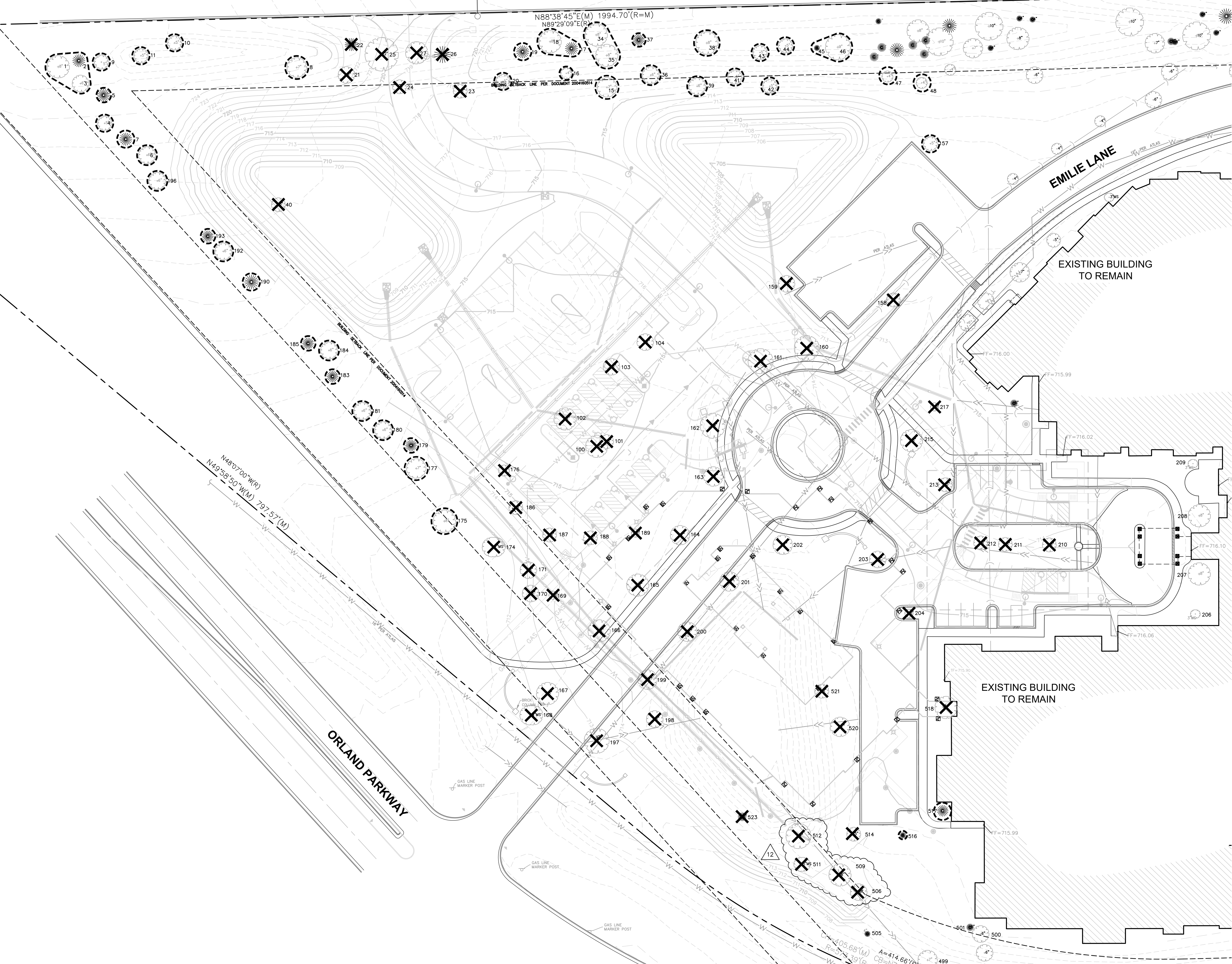


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NORTH

LEGEND

- ## TREE LOCATION AND NUMBER
- X TREE TO BE REMOVED
- TREE PROTECTION FENCE

TREE REMOVAL PLAN

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1001 WARRENVILLE ROAD, SUITE 350, WARRENVILLE, IL 60090
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

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Washington and Jane Smith Community
Orland Park

Architecture Engineering Planning
1414 UNDERWOOD AVE., WAUWATOSA, WI 53213
414.431.8131 TEL
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REVISIONS

NO.	REVISIONS	DATE
1	REVISED PER VILLAGE COMMENTS	11/24/17
2	ISSUED FOR BID	01/25/18
3	REVISED PER ARCH COORDINATION	02/13/18
4	REVISED PER VILLAGE COMMENTS	03/23/18
5	REVISED PER VILLAGE COMMENTS	04/10/18
6	REVISED PER VILLAGE COMMENTS	04/25/18
7	REVISED PER VILLAGE & MWD COMMENTS	05/17/18
8	REVISED PER VILLAGE COMMENTS	06/06/18
9	REVISED PER BUILDING UPDATES	09/19/18
10	REVISED PER FIRE DEPT. AND CLIENT COMMENTS	09/29/18
11	REVISED PER FIRE DEPT. COMMENTS	09/29/18
12	REVISED PER FIRE LANE	09/18/19

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TREE INVENTORY AND REMOVALS SCHEDULE

TREE TO BE PRESERVED

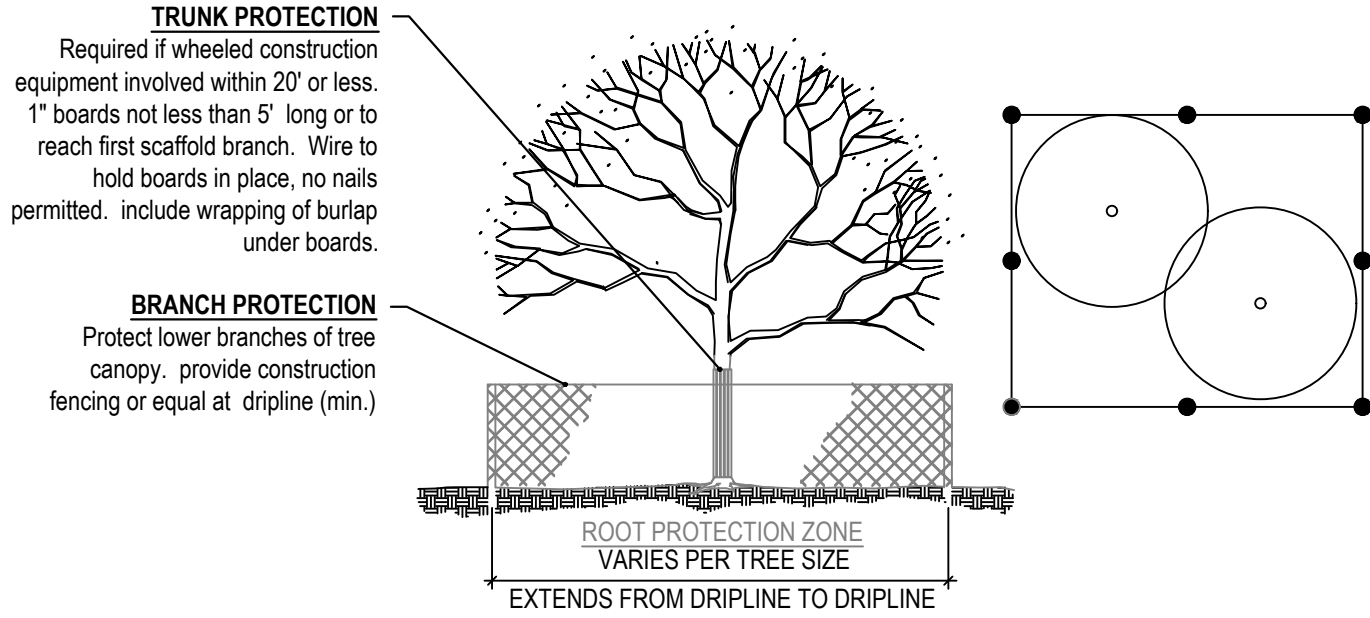
TREE TO BE REMOVED

#	BOTANICAL NAME	COMMON NAME	SIZE CAL "	CONDI- TION	REQUIRED REPLACE- MENT TREES
1	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	8"	Good	
2	Pinus nigra	Austrian Pine	9"	Fair	
3	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	6"	Good	
4	Acer rubrum 'Red Sunset'	Sunset Maple	5"	Good	
5	Pinus nigra	Austrian Pine	8"	Fair	
6	Acer rubrum 'Red Sunset'	Sunset Maple	6"	Good	
7	Pinus nigra	Austrian Pine	9"	Fair	
8	Acer freemanii 'Jeffersred'	Autumn Blaze Maple	7"	Good	
9	Acer rubrum 'Red Sunset'	Sunset Maple	5"	Good	
10	Acer rubrum 'Red Sunset'	Sunset Maple	5"	Good	
11	Amelanchier canadensis	Shadblow Serviceberry	5"	Good	
15	Acer rubrum	Red Maple	7"	Good	
16	Acer rubrum	Red Maple	4"	Good	
17	Pinus nigra	Austrian Pine	9"	Fair	
18	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	8"	Good	
19	Pinus nigra	Austrian Pine	9"	Fair	
20	Celtis occidentalis	Hackberry	5"	Good	
21	Gymnocladus dioicus	Kentucky Coffee Tree	6"	Good	1
22	Pinus nigra	Austrian Pine	9"	Fair	1
23	Celtis occidentalis	Hackberry	5"	Good	1
24	Celtis occidentalis	Hackberry	5"	Good	1
25	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	12"	Good	1
26	Pinus strobus	Eastern White Pine	12"	Good	1
27	Tilia cordata	Littleleaf Linden	8"	Good	1
24	Tilia cordata	Littleleaf Linden	8"	Good	
35	Acer rubrum	Red Maple	8"	Good	
36	Acer rubrum	Red Maple	6"	Good	
37	Pinus strobus	Eastern White Pine	8"	Good	
38	Acer rubrum	Red Maple	8"	Good	
39	Ulmus 'Patriot'	Patriot Elm	6"	Good	
40	Ulmus 'Patriot'	Patriot Elm	5"	Good	1
41	Ulmus 'Patriot'	Patriot Elm	5"	Good	
42	Ulmus 'Patriot'	Patriot Elm	5"	Good	
43	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	5"	Good	
44	Acer rubrum	Red Maple	5"	Good	
45	Pinus strobus	Eastern White Pine	4"	Good	
46	Tilia cordata	Littleleaf Linden	9"	Good	
47	Ulmus 'Patriot'	Patriot Elm	4"	Good	
48	Ulmus 'Patriot'	Patriot Elm	4"	Good	
100	Populus deltoides	Eastern Cottonwood	8"	Fair	0
101	Populus deltoides	Eastern Cottonwood	5"	Fair	0
102	Quercus bicolor	Swamp White Oak	8"	Fair	1
103	Quercus bicolor	Swamp White Oak	6"	Fair	1
104	Quercus bicolor	Swamp White Oak	6"	Fair	1
157	Acer rubrum 'Red Sunset'	Sunset Maple	5"	Good	
158	Acer rubrum 'Red Sunset'	Sunset Maple	5"	Poor	0
159	Acer rubrum 'Red Sunset'	Sunset Maple	6"	Good	1
160	Acer rubrum 'Red Sunset'	Sunset Maple	9"	Good	1
161	Acer rubrum 'Red Sunset'	Sunset Maple	9"	Good	1
162	Acer rubrum 'Red Sunset'	Sunset Maple	9"	Good	1
163	Acer rubrum 'Red Sunset'	Sunset Maple	7"	Good	1
164	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	7"	Good	1
165	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	8"	Good	1
166	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	8"	Good	1
167	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	8"	Good	1
168	Alnus glutinosa	Black Alder	4"	Good	1
169	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	2"	Good	0
170	Gymnocladus dioicus	Kentucky Coffee Tree	6"	Good	1
171	Tilia cordata	Littleleaf Linden	6"	Fair	1
174	Alnus glutinosa	Black Alder	7"	Good	1
175	Acer rubrum 'Red Sunset'	Sunset Maple	8"	Good	
176	Tilia cordata	Littleleaf Linden	4"	Good	1
177	Tilia cordata	Littleleaf Linden	7"	Good	
179	Pinus strobus	Eastern White Pine	8"	Good	
180	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	6"	Good	
181	Gymnocladus dioicus	Kentucky Coffee Tree	6"	Good	
183	Pinus nigra	Austrian Pine	8"	Fair	
184	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	6"	Good	
185	Pinus nigra	Austrian Pine	8"	Fair	
186	Tilia cordata	Littleleaf Linden	5"	Good	1
187	Quercus bicolor	Swamp White Oak	5"	Good	1
188	Quercus bicolor	Swamp White Oak	5"	Good	1
189	Quercus bicolor	Swamp White Oak	2"	Good	0
190	Pinus nigra	Austrian Pine	10"	Fair	
192	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	6"	Good	
193	Pinus nigra	Austrian Pine	8"	Fair	
196	Acer rubrum 'Red Sunset'	Sunset Maple	6"	Good	
197	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	9"	Good	1
198	Gymnocladus dioicus	Kentucky Coffee Tree	6"	Good	1
199	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	7"	Good	1
200	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	7"	Good	1
201	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	7"	Good	1
202	Acer rubrum 'Red Sunset'	Sunset Maple	7"	Good	1
203	Acer rubrum 'Red Sunset'	Sunset Maple	6"	Good	1
204	Tilia cordata	Littleleaf Linden	2"	Good	0
206	Amelanchier canadensis	Shadblow Serviceberry	3"	Good	
207	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	8"	Good	
208	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	8"	Good	
209	Amelanchier canadensis	Shadblow Serviceberry	3"	Good	
210	Syringa reticulata	Japanese Lilac Tree	5"	Good	1
211	Syringa reticulata	Japanese Lilac Tree	5"	Good	1
212	Syringa reticulata	Japanese Lilac Tree	5"	Good	1
213	Acer rubrum 'Red Sunset'	Sunset Maple	5"	Good	1
215	Acer rubrum 'Red Sunset'	Sunset Maple	8"	Good	1
217	Quercus spp.	Oak	3"	Good	0
499	Acer rubrum 'Red Sunset'	Sunset Maple	7"	Good	
500	Malus 'Prairiefire'	Prairiefire Crabapple	6"	Good	
501	Picea pungens	Colorado Spruce	4"	Good	
505	Pinus strobus	Eastern White Pine	4"	Good	
506	Acer rubrum 'Red Sunset'	Sunset Maple	6"	Good	1
509	Tilia cordata	Littleleaf Linden	8"	Good	1
511	Alnus glutinosa	Black Alder	5"	Good	1
512	Acer rubrum 'Red Sunset'	Sunset Maple	9"	Good	1
514	Acer rubrum 'Red Sunset'	Sunset Maple	5"	Good	1
516	Pinus strobus	Eastern White Pine	4"	Good	
517	Picea pungens	Colorado Spruce	8"	Good	
518	Malus 'Prairiefire'	Prairiefire Crabapple	8"	Good	1
520	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	7"	Good	1
521	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	5"	Good	1
523	Pinus strobus	Eastern White Pine	6"	Good	1

TOTAL REQUIRED 4" CAL. REPLACEMENT TREES 49

TREE REPLACEMENT STANDARDS		
TYPE OF TREE REMOVED	SIZE (DBH)	NUMBER OF REPLACEMENT TREES REQUIRED
CANOPY TREES	4" - 12"	TWO (2) 2.5" CAL TREES OR ONE (1) 4" CAL TREE
	13" - 23"	FOUR (4) 2.5" CAL TREES OR TWO (2) 4" CAL TREE
	24" OR GREATER	SIX (6) 2.5" CAL TREES OR THREE (3) 4" CAL TREE
EVERGREEN TREES	6' HT - 10' HT	TWO (2) 2.5" CAL TREES OR ONE (1) 4" CAL TREE
	10' HT - 14' HT	FOUR (4) 2.5" CAL TREES OR TWO (2) 4" CAL TREE
	14' OR TALLER	SIX (6) 2.5" CAL TREES OR THREE (3) 4" CAL TREE

- PER 6-305.F.3.f.2 - TREE OF HEAVEN (ALAINTHUS SPP.), BUCKTHORN, WILLOW, BOX ELDER, SILVER MAPLE, OSAGE ORANGE, ALL SPECIES OF ASH (FAXINUS SPP.) AND COTTONWOOD (POPULUS DELTOIDES) ARE EXEMPT FROM MITIGATION REQUIREMENTS.
- PER 6-305.F.3.f.2 - TREES WITH A CONDITION OR FORM RATING OF POOR OR DEAD ARE EXEMPT FROM MITIGATION REQUIREMENTS.



TREE PROTECTION NOTES

- ALL TREES TO BE PROTECTED AND PRESERVED SHALL BE PER DETAIL. GROUPING OF MORE THAN ONE TREE MAY OCCUR.
- TREES TO BE PROTECTED AND PRESERVED SHALL BE IDENTIFIED ON THE TRUNK WITH WHITE SURVEY TAPE.
- TO PREVENT ROOT SMOTHERING, SOIL STOCKPILES, SUPPLIES, EQUIPMENT OR ANY OTHER MATERIAL SHALL NOT BE PLACED OR STORED WITHIN THE DRIP LINE OR WITHIN 15 FEET OF A TREE TRUNK, WHICHEVER IS GREATER.
- TREE ROOTS SHALL NOT BE CUT UNLESS CUTTING IS UNAVOIDABLE.
- WHEN ROOT CUTTING IS UNAVOIDABLE, A CLEAN SHARP CUT SHALL BE MADE TO AVOID SHREDDING OR SMASHING. ROOT CUTS SHOULD BE MADE BACK TO A LATERAL ROOT. WHENEVER POSSIBLE, ROOTS SHOULD BE CUT BETWEEN LATE FALL AND BUD OPENING. WHEN ROOT ENERGY SUPPLIES ARE HIGH AND CONDITIONS ARE LEAST FAVORABLE FOR DISEASE CAUSING AGENTS. EXPOSED ROOTS SHALL BE COVERED IMMEDIATELY TO PREVENT DEHYDRATION. ROOTS SHALL BE COVERED WITH SOIL OR BURLAP AND KEPT MOIST.
- WATERING OF PROTECTED TREES IN WHICH ROOTS WERE CUT SHALL BE PROVIDED BY THE CONTRACTOR.
- AUGER TUNNELING RATHER THAN TRENCHING SHOULD BE USED FOR UTILITY PLACEMENT WITHIN DRIP LINE.
- FENCING MATERIAL SHALL ENCIRCLE ANY TREE OR SHRUB WHOSE OUTER DRIP LINE EDGE IS WITHIN 20 FEET OF ANY CONSTRUCTION ACTIVITIES.
- FENCING MATERIAL SHALL BE BRIGHT, CONTRASTING COLOR, DURABLE, AND A MINIMUM OF FOUR FEET IN HEIGHT.
- FENCING MATERIAL SHALL BE SET AT THE DRIP LINE OR 15 FEET FROM TREE TRUNK, WHICHEVER IS GREATER, AND MAINTAINED IN AN UPRIGHT POSITION THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES.
- ANY GRADE CHANGES (SUCH AS THE REMOVAL OF TOPSOIL OR ADDITION OF FILL MATERIAL) WITHIN THE DRIP LINE SHOULD BE AVOIDED FOR EXISTING TREES TO REMAIN. RETAINING WALLS AND TREE WELLS ARE ACCEPTABLE ONLY WHEN CONSTRUCTED PRIOR TO GRADE CHANGE.
- REFER TO PLANS FOR FENCE STAKING LOCATIONS.

TREE PROTECTION

NTS

TREE REMOVALS SUMMARY

SKILLED NURSING SHORT TERM
REHABILITATION CENTER
Washington and Jane Smith Community
Orland Park
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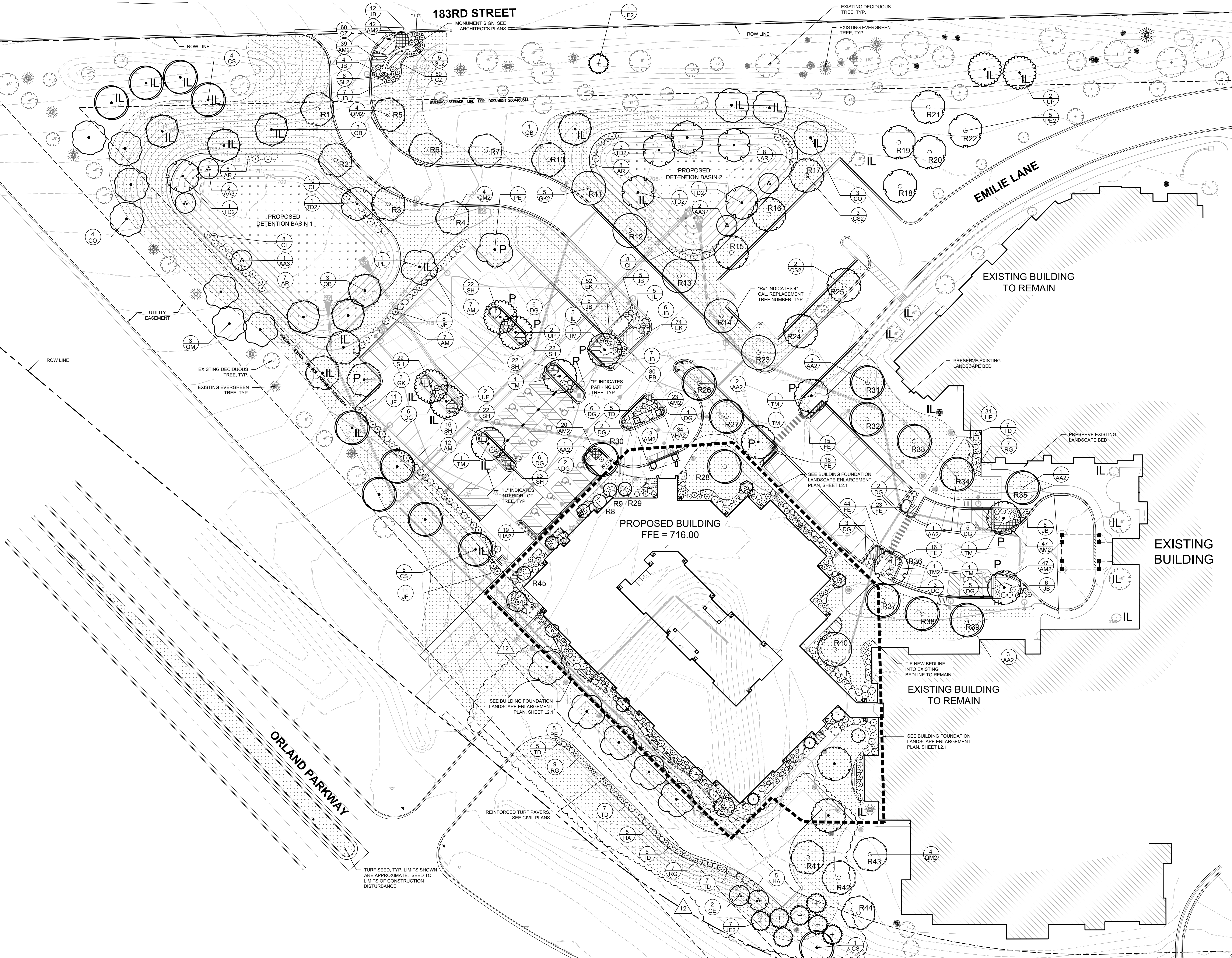
REVISIONS

	REVISED PER VILLAGE COMMENTS	
1	ISSUED FOR BID	11/24/17
3	REVISED PER ARCH COORDINATION	01/25/18
4	REVISED PER VILLAGE COMMENTS	02/13/18
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10	REVISED PER BUILDING UPDATES	09/19/18
11	REVISED PER FIRE DEPT AND CLIENT COMMENTS	09/28/18
12	REVISED PER FIRE DEPT COMMENTS	09/28/18
13	REVISED PER FIRE LANE	09/18/19

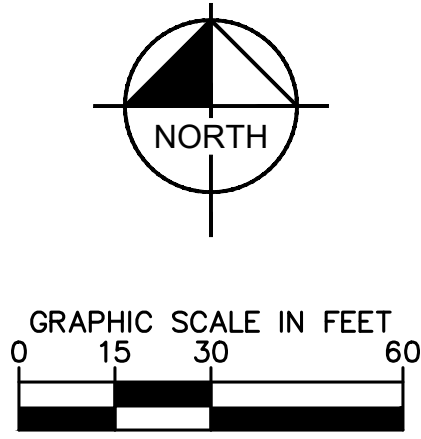
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LANDSCAPE REQUIREMENT CALCULATIONS		
ORDINANCE	REQUIREMENT CALCULATION	LANDSCAPING PROVIDED
6-305-D.2 - LANDSCAPE PARKWAYS: ORLAND PARKWAY	PARKWAY TREES SPACED 40' O.C. CANNOT BE PROVIDED DUE TO EXISTING UTILITY EASEMENT	NO LANDSCAPING PROVIDED DUE TO EXISTING UTILITY EASEMENT
6-305-D.2 - LANDSCAPE PARKWAYS: 183RD STREET	PARKWAY TREES SPACED 40' O.C. CANNOT BE PROVIDED DUE TO LACK OF PARKWAY BETWEEN ROADWAY AND R.O.W.	NO LANDSCAPING PROVIDED DUE TO LACK OF PARKWAY BETWEEN ROADWAY AND R.O.W.
6-305-D.3 - LANDSCAPE CORRIDORS: 183RD STREET (ARTERIAL CORRIDOR)	4 SHADE TREES, 2 ORNAMENTAL OR EVERGREEN TREES PER 100' CORRIDOR LENGTH = 550 LF 550 / 100 = 5 6 X 4 = 24 SHADE TREES 6 X 2 = 12 ORNAMENTAL OR EVERGREEN TREES	24 EXISTING SHADE TREES 14 EXISTING EVERGREEN TREES
6-305-D.3 - LANDSCAPE CORRIDORS: ORLAND PARKWAY (TYPICAL CORRIDOR)	3 SHADE TREES, 1 ORNAMENTAL OR EVERGREEN TREES PER 100' CORRIDOR LENGTH = 1040 LF 1040 / 100 = 11 11 X 3 = 33 SHADE TREES 11 X 1 = 11 ORNAMENTAL OR EVERGREEN TREES	33 SHADE TREES (16 EXISTING, 17 PROPOSED) 11 EVERGREEN TREES (9 EXISTING, 2 PROPOSED)
6-305-D.4 - LANDSCAPE BUFFERYARDS	NA PROJECT AREA HAS NO SIDE OR REAR YARDS	NA
6-305-D.5.a - FOUNDATION LANDSCAPING	A MINIMUM 10' WIDE ON AVERAGE FOUNDATION LANDSCAPE AREA ALONG 100% OF ALL BUILDING FACADES FRONTING PUBLIC STREETS, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY. A MINIMUM 7' WIDE FOUNDATION LANDSCAPE AREA SHALL BE PROVIDED ALONG 50% OF ALL BUILDING FACADES NOT FRONTING A PUBLIC STREET, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY. ON AVERAGE, A MINIMUM OF 1 ORNAMENTAL TREE AND SIXTEEN SHRUBS OR ORNAMENTAL GRASSES FOR EVERY 100' OF BUILDING FACE.	10' WIDE AVERAGE FOUNDATION LANDSCAPE AREA ALONG BUILDING FACADES FRONTING PUBLIC STREETS. 7' WIDE AVERAGE FOUNDATION AREA ALONG 100% OF BUILDING FACADES NOT FRONTING A PUBLIC STREET.
6-305-D.5.b - INTERIOR LOT LANDSCAPING	A MINIMUM OF 1 TREE PER 10,000 SF OF LOT AREA APPROX. PROJECT AREA = 307,100 SF 307,100 / 10,000 = 31 TREES	31 TREES (9 EXISTING, 22 PROPOSED)
6-305-D.6.a.1 - PERIMETER PARKING LOT SCREENING	ALL PARKING LOTS SIGNIFICANTLY SCREENED FROM ADJACENT PROPERTIES AND STREETS	PARKING LOTS SCREENED FROM ADJACENT STREETS
6-305-D.6.a.2 - PARKING LOT ISLAND LANDSCAPING	1 PARKING LOT ISLAND FOR EVERY 10 PARKING SPACES. 1 SHADE TREE PER PARKING ISLAND. SHRUBS, ORNAMENTAL GRASSES, PERENNIALS AND GROUND COVERS IN ADDITION TO TREES IN ISLANDS. TOTAL PARKING SPACES = 92 92 / 10 = 10 ISLANDS / TREES	10 TREES
6-305-D.7 - SIGNAGE LANDSCAPE	A MINIMUM 5' WIDE ON AVERAGE LANDSCAPE PLANTING BED AROUND THE ENTIRE BASE OF ALL GROUND SIGNS	5' AVERAGE PLANTING BED AROUND BASE OF ALL GROUND SIGNS
6-305-D.8 - STORM WATER MANAGEMENT AREA LANDSCAPE (NORTHWEST DETENTION AREA)	1 SHADE TREE PER 100 LF OF BASIN PERIMETER. 1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER. 3 SHRUBS PER 50 LF OF BASIN PERIMETER. TOTAL BASIN PERIMETER = 490 LF 490 / 100 = 5 SHADE TREES 490 / 200 = 3 UNDERSTORY TREES 490 / 50 = 9.8 X 3 = 31 SHRUBS	5 SHADE TREES 3 UNDERSTORY TREES 30 SHRUBS
6-305-D.8 - STORM WATER MANAGEMENT AREA LANDSCAPE (NORTHEAST DETENTION AREA)	1 SHADE TREE PER 100 LF OF BASIN PERIMETER. 1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER. 3 SHRUBS PER 50 LF OF BASIN PERIMETER. TOTAL BASIN PERIMETER = 400 LF 400 / 100 = 4 SHADE TREES 400 / 200 = 2 UNDERSTORY TREES 400 / 50 = 8 X 3 = 24 SHRUBS	4 SHADE TREES 2 UNDERSTORY TREES 24 SHRUBS

FINAL LANDSCAPE PLAN

SKILLED NURSING SHORT TERM REHABILITATION CENTER
Smith CROSSING
Washington and Jane Smith Community
Orland Park
Illinois

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Architecture

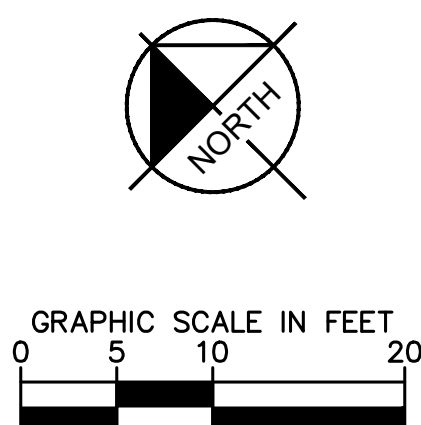
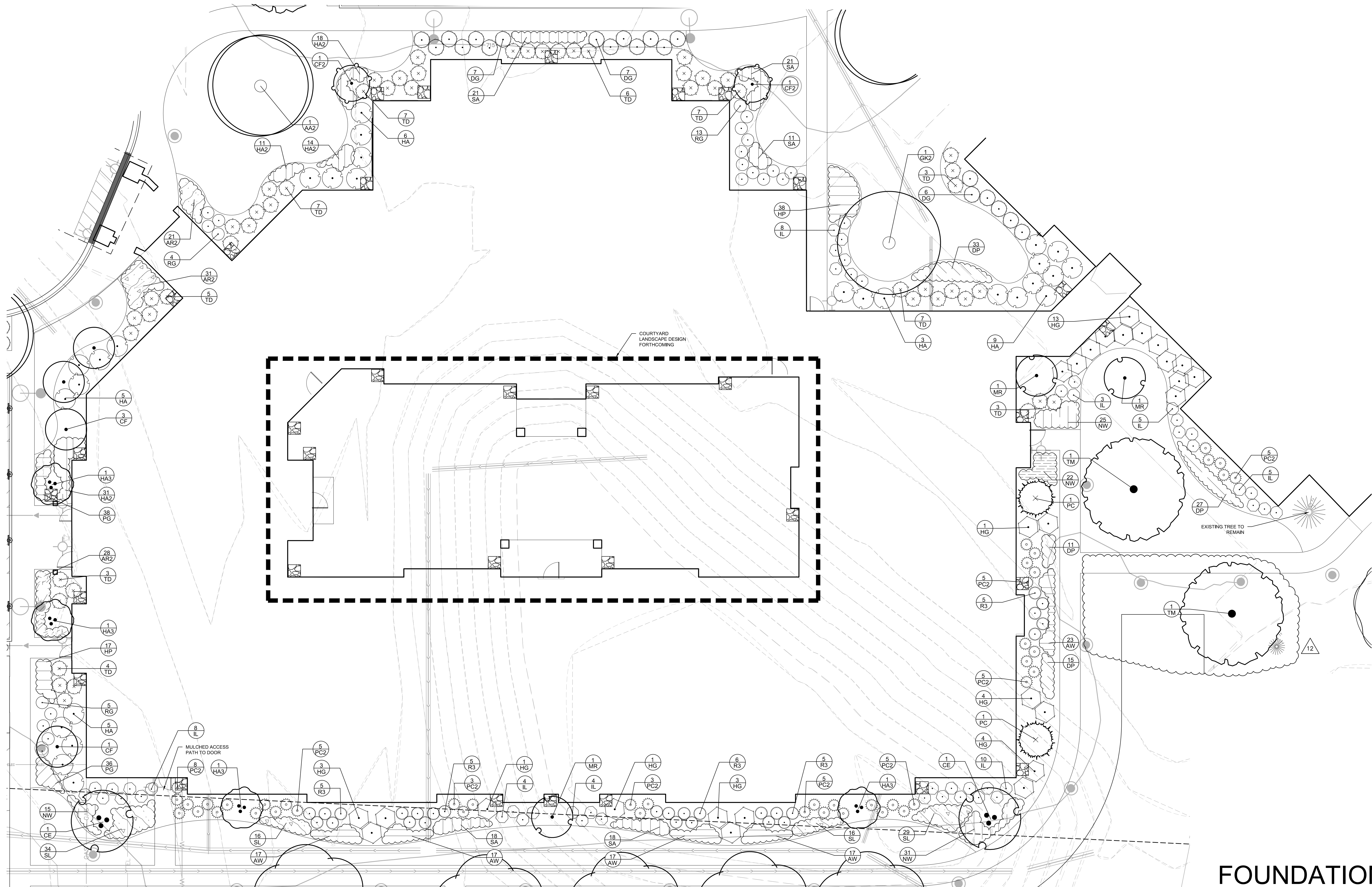
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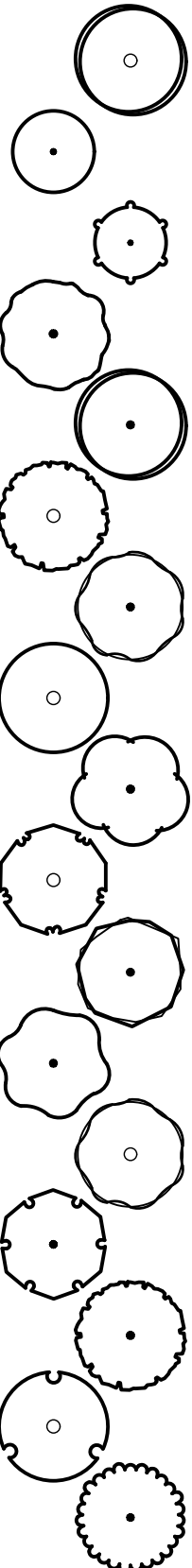
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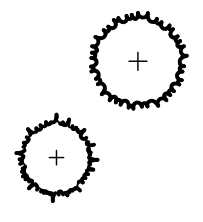
PLANT SCHEDULE

CANOPY TREES



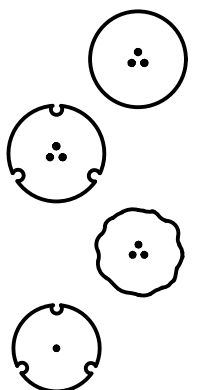
CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
AA2	12	ACER X FREEMANII 'JEFFSRED'	AUTUMN BLAZE MAPLE	B & B	4" CAL MIN	SINGLE STEM
CF	4	CARPINUS BETULUS 'FRANZ FONTAINE'	FRANZ FONTAINE HORNBEAM	B & B	4" CAL MIN	SINGLE STEM
CF2	2	CARPINUS BETULUS 'FRANZ FONTAINE'	FRANZ FONTAINE HORNBEAM	B & B	2.5" CAL MIN	SINGLE STEM
CO	7	CELTIS OCCIDENTALIS	COMMON HACKBERRY	B & B	2.5" CAL MIN	SINGLE STEM
CS	10	CATALPA SPECIOSA	NORTHERN CATALPA	B & B	2.5" CAL MIN	SINGLE STEM
CS2	5	CATALPA SPECIOSA	NORTHERN CATALPA	B & B	4" CAL MIN	SINGLE STEM
GK	3	GYMNOCLADUS DIOICA	KENTUCKY COFFEE TREE	B & B	2.5" CAL MIN	SINGLE STEM
GK2	6	GYMNOCLADUS DIOICA	KENTUCKY COFFEE TREE	B & B	4" CAL MIN	SINGLE STEM
PE	7	PLATANUS X ACERIFOLIA 'EXCLAMATION' TM	EXCLAMATION LONDON PLANE TREE	B & B	2.5" CAL MIN	SINGLE STEM
PE2	5	PLATANUS X ACERIFOLIA 'EXCLAMATION' TM	EXCLAMATION LONDON PLANE TREE	B & B	4" CAL MIN	SINGLE STEM
QB	7	QUERCUS BICOLOR	SWAMP WHITE OAK	B & B	2.5" CAL MIN	SINGLE STEM
QM	3	QUERCUS MACROCARPA	BURR OAK	B & B	2.5" CAL MIN	SINGLE STEM
QM2	12	QUERCUS MACROCARPA	BURR OAK	B & B	4" CAL MIN	SINGLE STEM
TD2	7	TAXODIUM DISTICHUM	BALD CYPRESS	B & B	2.5" CAL MIN	SINGLE STEM
TM	9	TILIA AMERICANA 'MCKSENTRY'	SENTRY LINDEN	B & B	2.5" CAL MIN	SINGLE STEM
TM2	1	TILIA AMERICANA 'MCKSENTRY'	SENTRY LINDEN	B & B	4" CAL MIN	SINGLE STEM
UP	6	ULMUS AMERICANA 'PRINCETON'	AMERICAN ELM	B & B	2.5" CAL MIN	SINGLE STEM

EVERGREEN TREES



CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
JE2	8	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	B & B		6' HT MIN
PC	2	PICEA GLAUCA 'CONICA'	DWARF ALBERTA SPRUCE	B & B		6' HT MIN

ORNAMENTAL TREES



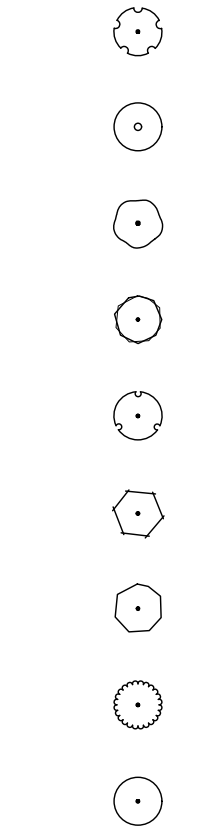
CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE
AA3	5	AMELANCHIER CANADENSIS 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	B & B	MULTI-TRUNK	6' HT MIN
CE	4	CERCIS CANADENSIS	EASTERN REDBUD	B & B	MULTI-TRUNK	6' HT MIN
HA3	4	HAMAMELIS VERNALIS 'AUTUMN EMBERS'	OZARK WITCHHAZEL	B & B	MULTI-TRUNK	6' HT MIN
MR	3	MALUS X 'ROYAL RAINDROPS'	ROYAL RAINDROPS CRABAPPLE	B & B	2.5" CAL MIN	SINGLE STEM

2 GALLON SIZE ORNAMENTAL GRASSES



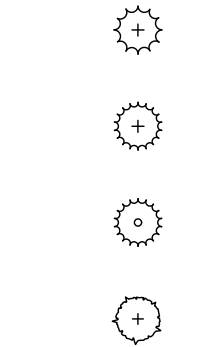
CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
SL2	11	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS	2 GAL	SEE PLAN	

DECIDUOUS SHRUBS



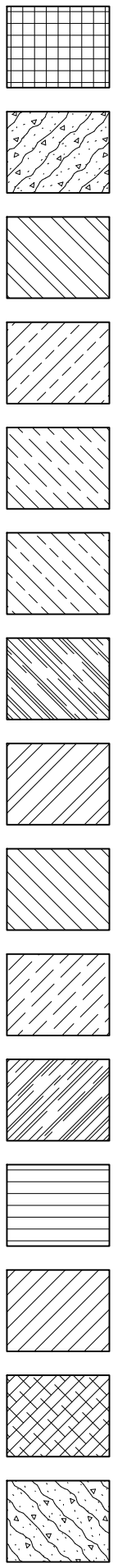
CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
AM	26	ARONIA MELANOCARPA 'MORTON' TM	IROQUIS BEAUTY BLACK CHOKEBERRY	-	SEE PLAN	24" HT MIN
AR	28	ARONIA ARBUTIFOLIA	RED CHOKEBERRY	-	SEE PLAN	24" HT MIN
CI	26	CORNUS SERICEA 'ISANTI'	ISANTI REDOSIER DOGWOOD	-	SEE PLAN	24" HT MIN
DG	70	DIERVILLA RIVULARIS 'G2X885411'	KODIAK RED BUSH HONEYSUCKLE	-	SEE PLAN	24" HT MIN
HA	38	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE SMOOTH HYDRANGEA	-	SEE PLAN	24" HT MIN
HG	27	HYDRANGEA QUERCIFOLIA 'GATSBY GAL'	GATSBY GAL OAKLEAF HYDRANGEA	-	SEE PLAN	36" HT MIN
IL	57	ITEA VIRGINICA 'LITTLE HENRY' TM	LITTLE HENRY VIRGINIA SWEETSPIRE	-	SEE PLAN	18" HT MIN
R3	27	ROSA X 'RADRAZZ'	KNOCK OUT SHRUB ROSE	-	SEE PLAN	18" HT MIN
RG	45	RIBES ALPINUM 'GREEN MOUND'	GREEN MOUND ALPINE CURRANT	-	SEE PLAN	18" HT MIN

EVERGREEN SHRUBS



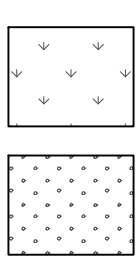
CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
JB	58	JUNIPERUS SABINA 'BLUE FOREST'	BLUE FOREST JUNIPER	-	SEE PLAN	24" SPREAD
JF	30	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	-	SEE PLAN	24" SPREAD
PC2	44	PINUS MUGO 'VALLEY CUSHION'	VALLEY CUSHION MUGO PINE	-	SEE PLAN	18" HT MIN
TD	88	TAXUS X MEDIA 'DENSIFORMIS'	DENSE YEWE	-	SEE PLAN	24" HT MIN

PERENNIALS AND ORNAMENTAL GRASSES



CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
AM2	231	ALLIUM X 'MGSMMPKB13'	SUMMER PEEK A BOO ALLIUM	1 GAL	18" o.c.
AR2	80	ASTILBE X ARENDsii 'RED SENTINEL'	FALSE SPIRAEA	1 GAL	18" o.c.
AW	91	ASTER X 'WOOD'S PINK'	ASTER	1 GAL	18" o.c.
CZ	110	COREOPSIS VERTICILLATA 'ZAGREB'	ZAGREB THREAD LEAF COREOPSIS	1 GAL	18" o.c.
DP	86	DESCHAMPSIA CESPITOSA 'PIXIE FOUNTAIN'	DWARF TUFTED HAIR GRASS	1 GAL	18" o.c.
EK	126	ECHINACEA PURPUREA 'KIM'S KNEE HIGH' TM	PURPLE CONEFLOWER	1 GAL	18" o.c.
FE	114	FESTUCA GLAUCA 'ELIJAH BLUE'	BLUE FESCUE	1 GAL	18" o.c.
HA2	127	HAKONECHLOA MACRA 'ALL GOLD'	JAPANESE FOREST GRASS	1 GAL	18" o.c.
HP	86	HEUCHERA X 'PALACE PURPLE'	PALACE PURPLE CORAL BELLS	1 GAL	18" o.c.
NW	93	NEPETA X FAASSENII 'WALKERS LOW'	WALKERS LOW CATMINT	1 GAL	18" o.c.
PB	80	PENNISETUM ALOPECUROIDES 'BURGUNDY BUNNY'	BURGUNDY BUNNY DWARF FOUNTAIN GRASS	1 GAL	18" o.c.
PG	74	PACHYSANDRA TERMINALIS 'GREEN CARPET'	JAPANESE SPURGE	2" PLUG	12" o.c.
SA	89	SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS	1 GAL	18" o.c.
SH	149	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 GAL	18" o.c.
SL	95	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS	1 GAL	18" o.c.

GROUND COVERS



CODE	BOTANICAL NAME	COMMON NAME
DD	DETENTION SEED	DETENTION BASIN SEED MIX
ST	SEED SEED	TURF SEED

LANDSCAPE MATERIALS LISTS

SKILLED NURSING SHORT TERM REHABILITATION CENTER
Washington and Jane Smith Community
Orland Park
Illinois

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1001 WARRENVILLE ROAD, SUITE 350,
LISLE, IL 60532
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM



1414 UNDERWOOD AVE.
WAUWATOSA, WI 53213

414.431.3131 TEL
414.431.0881 FAX

WWW.AGARCH.COM

Architecture
Engineering
Planning

REVISIONS	
1	REVISED PER VILLAGE COMMENTS 11/04/17
2	ISSUED FOR BID 01/25/18
3	REVISED PER ARCH COORDINATION 02/13/18
4	REVISED PER VILLAGE COMMENTS 03/23/18
5	REVISED PER VILLAGE COMMENTS 04/10/18
6	REVISED PER VILLAGE COMMENTS 04/23/18
7	REVISED PER VILLAGE & MAINT COMMENTS 05/17/18
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9	REVISED PER BUILDING UPDATES 09/19/18
10	REVISED PER FIRE DEPT AND CLIENT COMMENTS 05/29/19
11	REVISED PER FIRE DEPT COMMENTS 05/29/19
12	REVISED PER FIRE LANE 09/18/19

DRAWN BY
BDW
DATE
29 SEPT 2017
PROJECT
168577000
SHEET NO.

L2.2

Drawing name: K:\GIS\DEV\68577000_ambrosia\sketch\20 - LANDSCAPE PLAN.dwg L2.3 Sep 18, 2018 8:34am by: Chris Wilson
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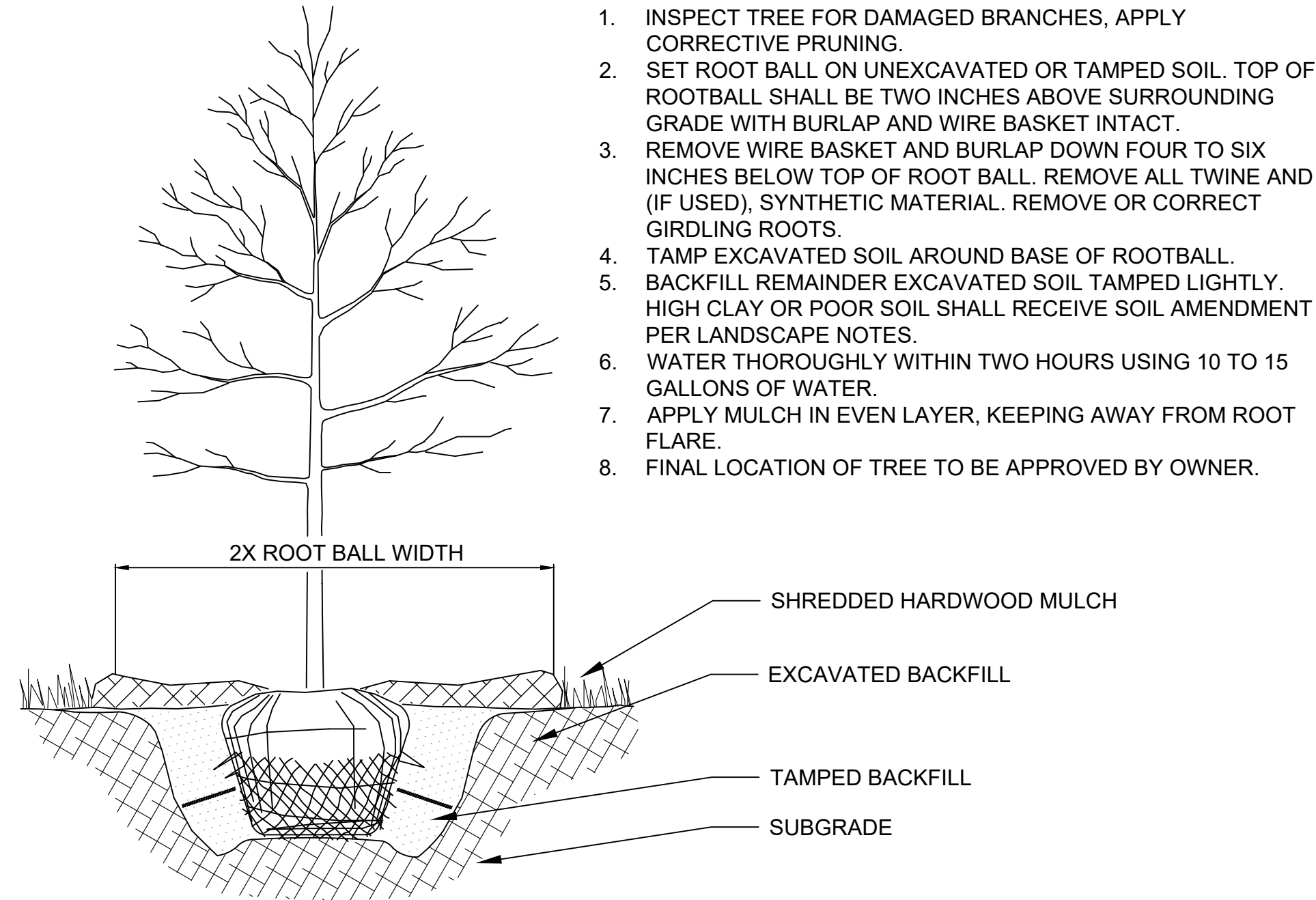
DETENTION BASIN SEED MIX

AVAILABLE AS "DRY BOTTOM DETENTION SEED MIX"
FROM PIZZO NATIVE PLANT NURSERY, OR EQUAL.
10729 PINE ROAD
LELAND, IL 60531
815.981.8000

BOTANICAL NAME	COMMON NAME	OZ/ ACRE	LBS/ ACRE	% OF MIX BY WEIGHT	% OF MIX SEED COUNT
GRASSES, SEDGES, & RUSHES					
ANDROPOGON GERARDII	BIG BLUESTEM GRASS	64.0000	4.00	13.99%	5.05%
CAREX BEBBII	BEBB'S OVAL SEDGE	2.0000	0.13	0.44%	0.54%
CAREX BREVIOR	PLAINS OVAL SEDGE	4.0000	0.25	0.87%	0.92%
CAREX HYSTERICINA	PORCUPINE SEDGE	4.0000	0.25	0.87%	0.95%
CAREX VULPINOIDEA	BROWN FOX SEDGE	6.0000	0.38	1.31%	4.74%
ELEOCHARIS ACICULARIS	NEEDLE SPIKE RUSH	1.0000	0.06	0.22%	0.55%
ELEOCHARIS ERYTHROPODA	RED-ROOTED SPIKE RUSH	2.0000	0.13	0.44%	1.23%
ELYMUS CANADENSIS	CANADA WILD RYE	32.0000	2.00	6.99%	1.31%
ELYMUS VIRGINICUS	VIRGINIA WILD RYE	48.0000	3.00	10.49%	1.59%
JUNCUS DUDLEYI	DUDLEY'S RUSH	1.0000	0.06	0.22%	25.26%
PANICUM VIRGATUM	SWITCH GRASS	80.0000	5.00	17.49%	8.84%
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS	64.0000	4.00	13.99%	7.58%
SORGHASTRUM NUTANS	INDIAN GRASS	16.0000	1.00	3.50%	1.52%
GRASS/SEDEGE SUBTOTALS			20.25	70.82%	60.07%
FLOWERS AND OTHER BROADLEAVES					
ALLIUM CERNUJUM	NODDING WILD ONION	4.0000	0.25	0.87%	0.24%
ASCLEPIAS INCARNATA	SWAMP MILKWEED	10.0000	0.63	2.19%	0.38%
CHAMAECRISTA FASCICULATA	PARTRIDGE PEA	16.0000	1.00	3.50%	0.34%
COREOPSIS TRIPTERIS	TALL COREOPSIS	4.0000	0.25	0.87%	0.44%
DESMODIUM CANADENSE	SHOWY TICK TREFOIL	4.0000	0.25	0.87%	0.17%
ECHINACEA PURPUREA	PURPLE CONEFLOWER	16.0000	1.00	3.50%	0.83%
ERYNGIUM YUCCIFOLIUM	RATTLESNAKE MASTER	8.0000	0.50	1.75%	0.47%
EUPATORIUM PERFOLIATUM	COMMON BONESET	1.0000	0.06	0.22%	1.26%
EUTHAMIA GRAMINIFOLIA	COMMON GRASS-LEAVED GOLDENROD	1.0000	0.06	0.22%	2.76%
EUTROCHIUM MACULATUM	SPOTTED JOE PYE WEED	2.0000	0.13	0.44%	1.50%
HELENIUM AUTUMNALE	SNEEZEWEED	3.0000	0.19	0.68%	3.08%
KUHNIJA EUPATORIODES CORYMBULOSA	FALSE BONESET	4.0000	0.25	0.87%	1.01%
MONARDA FISTULOSA	WILD BERGAMOT	4.0000	0.25	0.87%	2.21%
PENSTEMON DIGITALIS	FOXGLOVE BEARD TONGUE	4.0000	0.25	0.87%	4.10%
PYCNANTHEMUM VIRGINIANUM	COMMON MOUNTAIN MINT	2.0000	0.13	0.44%	3.47%
RUDBECKIA FULGIDA VAR. SULLIVANTII	SHOWY BLACK-EYED SUSAN	6.0000	0.38	1.31%	1.28%
RUDBECKIA HIRTA	BLACK-EYED SUSAN	8.0000	0.50	1.75%	5.81%
RUDBECKIA SUBTOMENTOSA	SWEET BLACK-EYED SUSAN	4.0000	0.25	0.87%	1.36%
RUDBECKIA TRILOBA	BROWN-EYED SUSAN	3.0000	0.19	0.66%	0.81%
SILPHIUM LACINIATUM	COMPASS PLANT	1.0000	0.06	0.22%	0.01%
SOLIDAGO RIDDELLII	RIDDELL'S GOLDENROD	1.0000	0.06	0.22%	0.73%
SOLIDAGO RIGIDA	STIFF GOLDENROD	1.5000	0.09	0.33%	0.49%
SYMPHYOTRICHUM NOVAE-ANGLIAE	NEW ENGLAND ASTER	4.0000	0.25	0.87%	2.05%
THALICTRUM DASYCARPUM	PURPLE MEADOW RUE	4.0000	0.25	0.87%	0.35%
VERNONIA FASCICULATA	COMMON IRONWEED	6.0000	0.38	1.31%	1.14%
VERBENA HASTATA	BLUE VERVAIN	4.0000	0.25	0.87%	2.94%
ZIZIA AUREA	GOLDEN ALEXANDERS	8.0000	0.50	1.75%	0.69%
BROADLEAF SUBTOTALS			8.34	29.18%	39.93%
SEED MIX TOTALS			28.59	100.00%	100.00%

- NOTES:
1. INSTALL A MYCORRHIZAL INOCULANT WITH SEED MIX AT 40 LBS/ACRE
 2. FOR SPRING PLANTING, INSTALL A COVER CROP OF SEED OATS (AVENA SATIVA) WITH SEED MIX AT 40 LBS/ACRE
 3. FOR FALL PLANTING, INSTALL A COVER CROP OF REGREEN (A WINTER WHEAT X WHEATGRASS STERILE HYBRID) WITH SEED MIX AT 50 LBS/ACRE
 4. AT NO TIME SHOULD ANNUAL OR PERENNIAL RYE (LOLIUM MULTIFLORUM OR PERENNE) BE UTILIZED AS A COVER CROP.

NOTES:

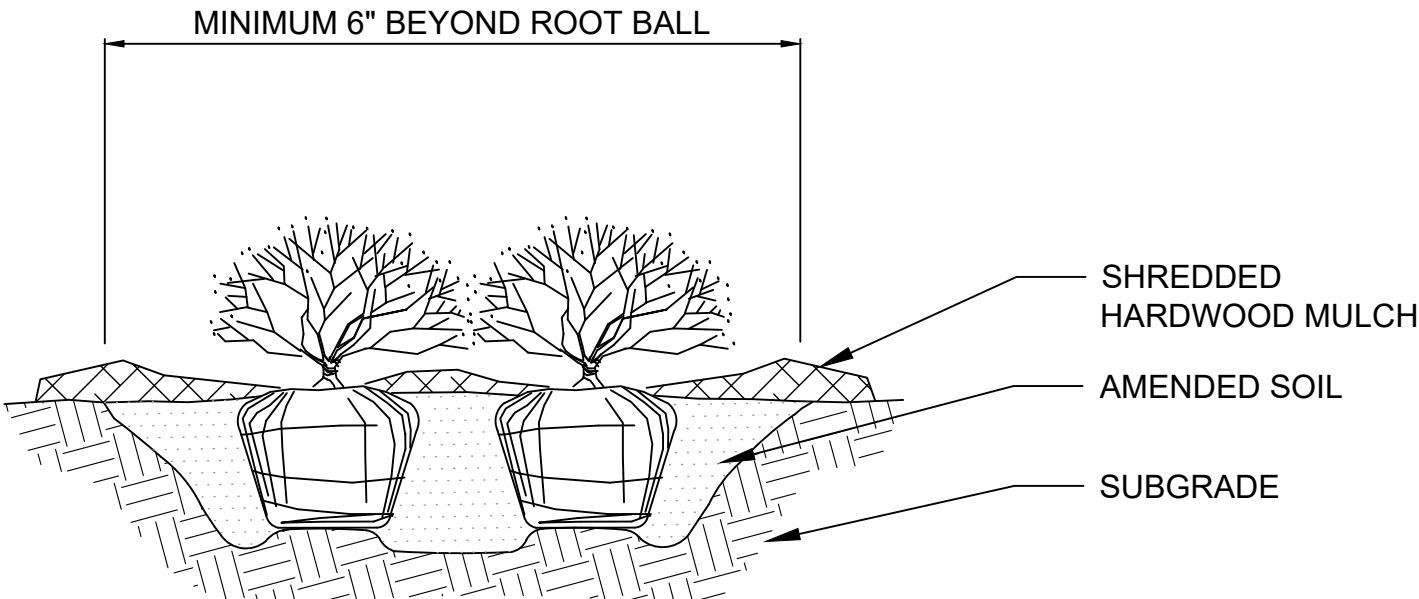


1 TREE PLANTING

NTS

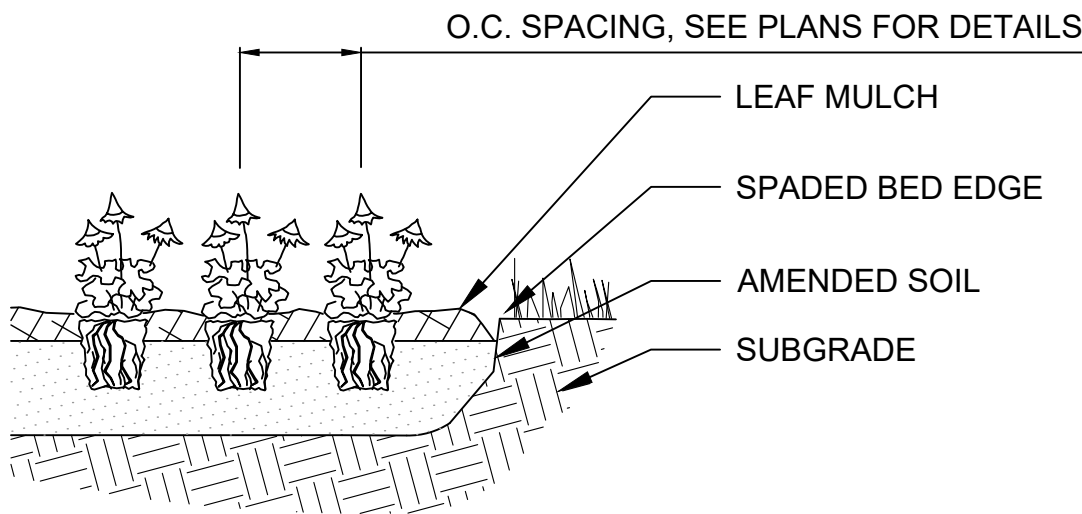
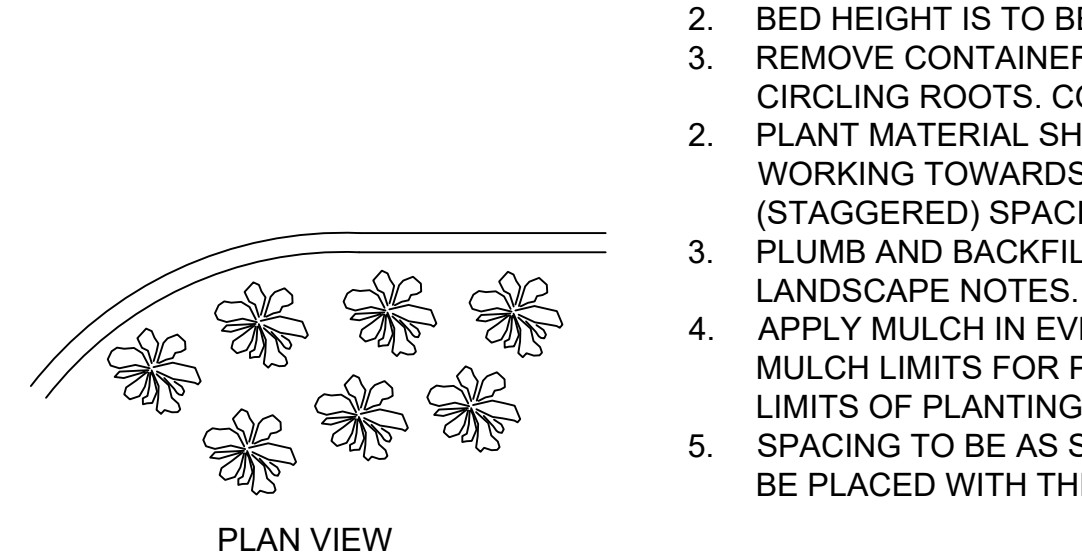
2 SHRUB PLANTING

NTS



NOTES:

1. APPLY CORRECTIVE PRUNING.
2. SET ROOT BALL OR CONTAINER ON UNEXCAVATED OR TAMPED SOIL. TOP OF ROOTBALL (CONTAINER) SHALL BE ONE INCH ABOVE SURROUNDING GRADE. FOR LARGER SHRUBS WITHIN PLANTING BED DIG A DEEPER PIT ONLY FOR THOSE SHRUBS.
3. REMOVE BURLAP FROM TOP HALF THE LENGTH OF ROOTBALL. TWINE AND (IF USED) SYNTHETIC MATERIAL SHALL BE REMOVED FROM PLANTING BED. FOR CONTAINER GROWN SHRUBS, REMOVE CONTAINER AND LOOSEN ROOTS PRIOR TO INSTALLATION.
4. REMOVE OR CORRECT GIRDLING ROOTS.
5. PLUMB AND BACKFILL WITH AMENDED SOIL PER LANDSCAPE NOTES. WATER THOROUGHLY WITHIN TWO HOURS.
6. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE. MULCH LIMITS FOR SHRUBS EXTEND TO ALL LIMITS OF PLANTING BED, SEE PLANS FOR BED LAYOUTS.



3 PERENNIAL PLANTING

NTS

LANDSCAPE NOTES

1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING MATERIALS AND PLANTS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.
2. THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
4. ALL NURSERY STOCK SHALL BE WELL BRANCHED, HEALTHY, FULL, PRE-INOCULATED AND FERTILIZED. DECIDUOUS TREES SHALL BE FREE OF FRESH SCARS. TRUNKS WILL BE WRAPPED IF NECESSARY TO PREVENT SUN SCALD AND INSECT DAMAGE. THE LANDSCAPE CONTRACTOR SHALL REMOVE THE WRAP AT THE PROPER TIME AS A PART OF THIS CONTRACT.
5. ALL NURSERY STOCK SHALL BE GUARANTEED, BY THE CONTRACTOR, FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
6. AMENDED SOIL SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR UP TO 6 INCHES BELOW FINISHED GRADE IN TURF AREAS AND 18 INCHES IN PLANTING AREAS.
7. PLANTING AREA SOIL SHALL BE AMENDED WITH 25% SPHANGUM PEATMOSS, 5% HUMUS AND 65% PULVERIZED SOIL FOR ALL SHRUB, ORNAMENTAL GRASS, PERENNIAL AND ANNUAL BEDS. AMENDED TURF AREA SOIL SHALL BE STANDARD TOPSOIL.
8. SEED LIMIT LINES ARE APPROXIMATE. CONTRACTOR SHALL SEED ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED MIXES.
9. CONTRACTOR SHALL INSTALL SHREDDED HARDWOOD MULCH AT A 3" DEPTH TO ALL TREES, SHRUB, PERENNIAL, AND GROUNDCOVER AREAS. TREES PLACED IN AREA COVERED BY TURF SHALL RECEIVE A 4 FT WIDE MAXIMUM TREE RING WITH 3" DEPTH SHREDDED HARDWOOD MULCH. A SPADED BED EDGE SHALL SEPARATE MULCH BEDS FROM TURF OR SEEDED AREAS. A SPADED EDGE IS NOT REQUIRED ALONG CURBED EDGES.
10. INSTALLATION OF TREES WITHIN PARKWAYS SHALL BE COORDINATED IN THE FIELD WITH LOCATIONS OF UNDERGROUND UTILITIES. TREES SHALL NOT BE LOCATED CLOSER THAN 5' FROM UNDERGROUND UTILITY LINES AND NO CLOSER THAN 10' FROM UTILITY STRUCTURES.
11. DO NOT DISTURB THE EXISTING PAVING, LIGHTING, OR LANDSCAPING THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLAN.
12. PLANT QUANTITIES SHOWN ARE FOR THE CONVENIENCE OF THE OWNER AND JURISDICTIONAL REVIEW AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES AS DRAWN.
13. THE OWNER'S REPRESENTATIVE MAY REJECT ANY PLANT MATERIALS THAT ARE DISEASED, DEFORMED, OR OTHERWISE NOT EXHIBITING SUPERIOR QUALITY.

NATURAL AREA NOTES

1. ALL WORK DEEMED NATURAL AREA TO BE SEEDED OR PLANTED SHALL BE PERFORMED BY A NATURALS AREA CONTRACTOR WITH AT LEAST 5 YEARS OF DOCUMENTED EXPERIENCE IN SELECTIVE BRUSH CLEARING, PLANTING OF NATIVE SPECIES, AND NATURAL AREAS MANAGEMENT FOR THE PURPOSE OF ECOLOGICAL RESTORATION, AND SHALL BE ABLE TO DEMONSTRATE THERE KNOWLEDGE THROUGH REFERENCES AND IN THE FIELD.
2. SEED LIMIT LINES ARE APPROXIMATE. THE NATURAL AREAS CONTRACTOR SHALL SEED ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED MIXES. SEED MIXES ARE TO BE SOURCED RESPECTIVELY THROUGH THE SPECIFIED COMPANY ON PLANS. REQUESTS FOR COMPARABLE SEED MIXES ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
3. SEED SHALL BE OBTAINED FROM SOURCES SPECIALIZING IN NATIVE SPECIES. SEED SHALL BE SOURCED NO MORE THAN 350 MILES FROM THE JOB SITE.
4. ALL SEED MIXES SHALL BE INSTALLED WITH A GRANULAR FORM OF ENDOMYCORRHIZAL INOCULUM PER THE SUPPLIERS SPECIFICATIONS. COVER CROP IS TO BE APPLIED TO ALL SEED MIXES CONSISTING ONLY OF AVENA SATIVA (SEED OATS) FOR SPRING INSTALLATIONS OR REGREEN (WHEAT HYBRID) FOR FALL PLANTINGS. NO OTHER COVER CROP IS TO BE USED ON SITE.
5. STANDARD EROSION CONTROL BLANKET SHALL BE APPLIED TO ALL SEEDED AREAS WITH SINGLE TO DOUBLE NET STRAW AND DOUBLE NET STRAW/COCONUT BLANKET HYDROSEEDING IS UNACCEPTABLE.
6. STEWARDSHIP OF THE NATURAL AREA SHALL BE CONDUCTED BY A NATURAL AREAS CONTRACTOR TO BEGIN IMMEDIATELY AFTER INSTALLATION FOR THREE YEARS.

NOTES:

1. EXCAVATE PLANTING BED.
2. BED HEIGHT IS TO BE 2" ABOVE FINISH GRADE AND WELL DRAINED.
3. REMOVE CONTAINER, SCORE SOIL MASS TO REDIRECT AND PREVENT CIRCLING ROOTS. CORRECT GIRDLING ROOTS.
4. PLANT MATERIAL SHALL BE LAID OUT BY FOLLOWING THE BED EDGE, WORKING TOWARDS THE CENTER OF THE BED USING TRIANGULAR (STAGGERED) SPACING AS PLAUSIBLE.
5. PLUMB AND BACKFILL WITH PLANTING MIX AS SPECIFIED IN LANDSCAPE NOTES.
6. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE.
7. MULCH LIMITS FOR PERENNIALS/GROUNDCOVER EXTEND TO ALL LIMITS OF PLANTING BED, SEE PLANS FOR BED LAYOUTS.
8. SPACING TO BE AS SPECIFIED IN THE PLANT LIST. PERENNIALS SHALL BE PLACED WITH THEIR CENTER 24" FROM EDGE OF BED.

SKILLED NURSING SHORT TERM
REHABILITATION CENTER

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1001 WARRENVILLE ROAD, SUITE 350,
LISLE, IL 60532
PHONE: 630-487-5550
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1001 WARRENVILLE ROAD, SUITE 350,
LISLE, IL 60532
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

1414 UNDERWOOD AVE.
WAUWATOSA, WI 53213
414.431.3131 TEL
414.431.0851 FAX
WWW.ABARCH.COM

Architect
Engineering
Planning

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LANDSCAPE NOTES
AND DETAILS

L2.3