MAYOR Keith Pekau

VILLAGE CLERK
John C. Mehalek

14700 S. Ravinia Avenue Orland Park, IL 60462 708.403.6100 OrlandPark.org



TRUSTEES

Kathleen M. Fenton
James V. Dodge
Patricia A. Gira
Carole Griffin Ruzich
Daniel T. Calandriello
Michael F. Carroll

File Number: 2017-0772

05/10/2018

Mr. Kevin McGee President/CEO - Smith Crossing 10501 Emilie Lane Orland Park, IL 60467

Re: Final Landscape Plan Approval – Smith Crossing Phase 3

Dear Mr. McGee:

The final landscape plan for Smith Crossing Phase 3 has been reviewed for compliance with Section 6-305 Landscape and Tree Preservation of the Village's Land Development Code (LDC). The landscape plan, titled "Final Landscape Plan", prepared by KimleyHorn and Associates, dated 09/29/2017, last revised 04/23/2018, sheets L1.0, L1.1, L2.0, L2.1, L2.2 and L2.3 and all associated documentation, was approved by the Development Services Department on May 10, 2018. The approved landscape plan is attached to this letter for your reference.

All landscaping for this project shall be installed by June 1, 2019. As per Section 5-112.E.9.e.3 of the LDC, the landscaping for this project will be inspected on at least four (4) separate occasions for compliance with the aforementioned landscape plan. The developer or property owner shall contact the Development Services Department to schedule all landscape inspections. No letter of credit release shall be issued until a final landscape inspection approval has been granted by the Development Services Department.

The plantings in any landscaped area must be properly maintained in order for the landscaped area to fulfill the purposes for which it was established. The obligation for continuous landscape maintenance is binding on the petitioner who received landscape plan approval, to any subsequent property owner(s) or any other parties having a controlling interest in the property.

The following inspections are required for this project:

- Landscape Installation Inspection
- Year 1 Inspection (Site Landscaping and Basins)
- Year 2 Inspection (Basins)
- Year 3 Inspection (Basins)*

Thank you and please contact me directly to schedule all landscape inspections or with any questions.

Sincerely,

Mike Mazza, ASLA

^{*} Additional inspections may be required if inspections reveal landscape deficiencies.

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

MILWAUKEE, WISCONSIN

8755 W. HIGGINS ROAD, SUITE 853 CHICAGO, ILLINOIS 60631 PHONE (773) 693-9200 FAX (773) 693-9200

Volo, Illinois

May 10, 2018

Mike Mazza, ASLA Planner, Development Services Village of Orland Park 14700 Ravinia Avenue Orland Park, IL 60462

Project No.: 17-0346L

Re: Final Landscape Plan Review – Version 3 Smith Crossing Expansion 10501 Emilie Lane

Dear Mike:

We have completed our third Final Landscape Plan review of Smith Crossing Phase III. This review is based upon the following documents, pursuant to requirements of Village Land Development Code Section 6-305 (Landscape and Tree Preservation).

- Response letter, dated May 4, 2018 prepared by Kimley-Horn and Associates, Inc.
- Final Landscape Plan, Foundation Landscape Enlargement Plan, Landscape Materials Lists, and Landscape Notes and Details (4 sheets), most recently dated 4/23/18, prepared by Kimley-Horn and Associates, Inc.
- Landscaping Budget Final Landscape Plan Estimate, dated May 4, 2018, prepared by Weis Builders
- Monitoring and Management Plan Agreement for Naturalized Landscape Areas ("Plan"), signed 4-26-18

REVIEW COMMENTS

General Comments

This is intended to serve as a supplemental review, building upon Final Landscape Plans and supporting documents previously submitted and reviewed.

RECOMMENDATION

Final Landscape Plan - Recommended for Approval

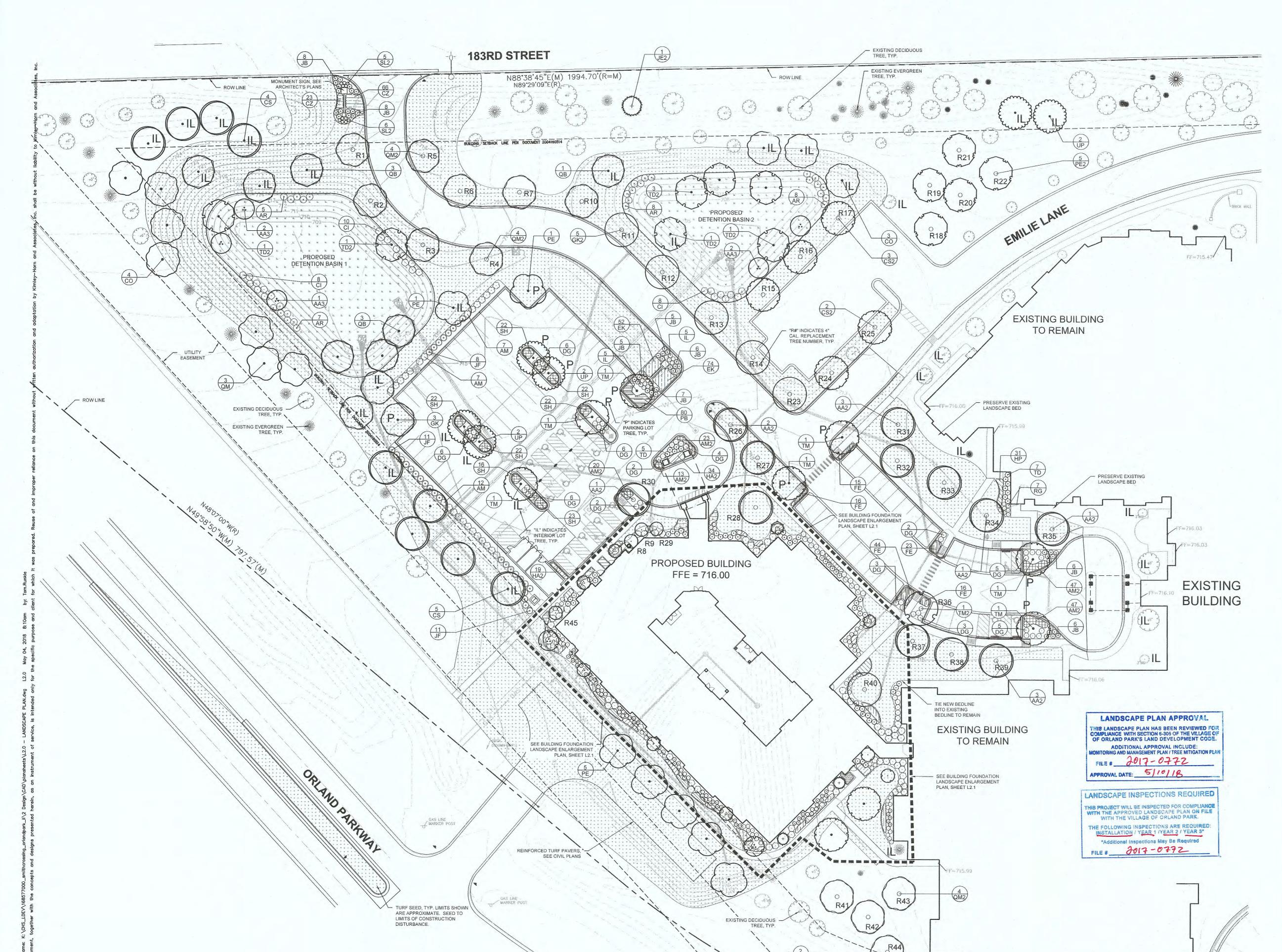
Mike Mazza Smith Crossing May 10, 2018 page 2

All previously identified issues related to the approval of the final landscape plan for this project have been satisfactorily addressed. It is our recommendation that the final landscape plan for Smith Crossing, referenced herein, be approved in conformance with the Village landscape ordinance.

Please contact us with any questions or comments.

Sincerely,

Tim Pollowy, PLA, ASLA Senior Landscape Architect







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.
8-305-D.3 - LANDSCAPE CORRIDORS: 183RD STREET (ARTERIAL CORRIDOR)	4 SHADE TREES, 2 ORNAMENTAL OR EVERGREEN TREES PER 100' CORRIDOR LENGTH = 550 LF 550 / 100 = 6 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 / 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 = 30 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 L2.0

·---/

SKILLED NURSING SHORT REHABILITATION CENTER



REVISIONS 1 REVISED PER VILLAGE 11/24/17 COMMENTS 2 ISSUED FOR BID 01/25/18

DRAWN BY BDW DATE 29 SEPT 2017 PROJECT

168577000 SHEET NO.

Kimley»Horn



414.431.0531 FAX Planning

DRAWN BY
BDW

R3 27

RG 29

CODE QTY

JB 51

JF 30

PC2 44

TD 64

EVERGREEN SHRUBS

1+}

++

10/

(+)

ROSA X 'RADRAZZ'

BOTANICAL NAME

RIBES ALPINUM 'GREEN MOUND'

JUNIPERUS SABINA 'BLUE FOREST'

JUNIPERUS CHINENSIS 'SEA GREEN'

PINUS MUGO 'VALLEY CUSHION'

TAXUS X MEDIA 'DENSIFORMIS'

KNOCK OUT SHRUB ROSE

COMMON NAME

DENSE YEW

BLUE FOREST JUNIPER

SEA GREEN JUNIPER

VALLEY CUSHION MUGO PINE

GREEN MOUND ALPINE CURRANT

SEE PLAN 18" HT MIN

18" HT MIN

24" SPREAD

24" HT MIN

SIZE

SEE PLAN 24" SPREAD

SEE PLAN 18" HT MIN

SEE PLAN

SPACING

SEE PLAN

SEE PLAN

PERENNIALS AND ORNAMENTAL GRASSES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
	AM2	150	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	89	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.
	РВ	80	PENNISETUM ALOPECUROIDES 'BURGUNDY BUNNY'	BURGUNDY BUNNY DWARF FOUNTAIN GRASS	1 GAL	18" o.c.
	PG	115	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			
* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DD	DETENTION SEED	DETENTION BASIN SEED MIX			
	ST	SEED SEED	TURF SEED			

LANDSCAPE MATERIALS LISTS DRAWN BY BDW

DATE
29 SEPT 2017

PROJECT
168577000

SHEET NO.

L2.2

SKILLED NURSING SHORT REHABILITATION CENTER

Kimley»Horn

Architecture

1414 UNDERWOOD AVE.

414.431.3131 TE

414.431.0531 FAX

Architecture

Engineering

P l a n n i n g

1 REVISED PER VILLAGE 11/24/17 COMMENTS

2 ISSUED FOR BID 01/25/18

4 REVISED PER VILLAGE 03/23/18 COMMENTS 03/23/18 COMMENTS 04/10/18 COMMENTS

6 REVISED PER VILLAGE 04/23/18 COMMENTS

REVISIONS

WAUWATOSA, WI 53213

CHS_LDEV\168577000_smithcrossing_orlandpark_il\2 Design\CAD\plansheets\L2.0 - LANDSCAPE PLAN.dwg L2.2 May 04, 2018 8:10am by. Tom.Runkle

1414 UNDERWOOD AVE.

WAUWATOSA, WI 53213

414.431.0531 FAX

WWW.AGARCH.COM

5 REVISED PER VILLAGE 04/10/18
COMMENTS

LANDSCAPE PLAN APPROVAL

THIS LANDSCAPE PLAN HAS BEEN REVIEWED FOR COMPLIANCE WITH SECTION 8-305 OF THE VILLAGE OF OF ORLAND PARK'S LAND DEVELOPMENT CODE.

ADDITIONAL APPROVAL INCLUDE:

MONITORING AND MANAGEMENT PLAN / TREE MITIGATION PLA

FILE# 2017-0772

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

815.981.8000

		010.90	1.8000		
BOTANICAL NAME	COMMON NAME	OZ/ ACRE	LBS/ ACRE	% OF MIX BY WEIGHT	% OF MIX SEED COU
GRASSES, SEDGES, & RU	JSHES -				
ANDROPOGON GERARDII CAREX BEBBII CAREX BREVIOR CAREX HYSTERICINA CAREX VULPINOIDEA ELEOCHARIS ACICULARIS ELEOCHARIS ERYTHROPODA ELYMUS CANADENSIS ELYMUS VIRGINICUS JUNCUS DUDLEYI PANICUM VIRGATUM SCHIZACHYRIUM SCOPARIUM SORGHASTRUM NUTANS	BIG BLUESTEM GRASS BEBB'S OVAL SEDGE PLAINS OVAL SEDGE PORCUPINE SEDGE BROWN FOX SEDGE NEEDLE SPIKE RUSH RED-ROOTED SPIKE RUSH CANADA WILD RYE VIRGINIA WILD RYE DUDLEY'S RUSH SWITCH GRASS LITTLE BLUESTEM GRASS INDIAN GRASS	64.0000 2.0000 4.0000 6.0000 1.0000 2.0000 32.0000 48.0000 1.0000 80.0000 64.0000	4.00 0.13 0.25 0.25 0.38 0.06 0.13 2.00 3.00 0.06 5.00 4.00	13.99% 0.44% 0.87% 0.87% 1.31% 0.22% 0.44% 6.99% 10.49% 0.22% 17.49% 13.99% 3.50%	5.05% 0.54% 0.92% 0.95% 4.74% 0.55% 1.23% 1.31% 1.59% 25.26% 8.84% 7.58% 1.52%
SONOTIAGINOMINOTANO	GRASS/SEDGE		20.25	70.82%	60.07%
DESMODIUM CANADENSE ECHINACEA PURPUREA ERYNGIUM YUCCIFOLIUM EUPATORIUM PERFOLIATUM EUTHAMIA GRAMINIFOLIA EUTROCHIUM MACULATUM HELENIUM AUTUMNALE KUHNIA EUPATORIOIDES CORYMBULOSA MONARDA FISTULOSA PENSTEMON DIGITALIS PYCNANTHEMUM VIRGINIANUM RUDBECKIA FULGIDA VAR. SULLIVANTII RUDBECKIA SUBTOMENTOSA	SHOWY TICK TREFOIL PURPLE CONEFLOWER RATTLESNAKE MASTER COMMON BONESET COMMON GRASS-LEAVED GOLDENROD SPOTTED JOE PYE WEED SNEEZEWEED FALSE BONESET WILD BERGAMOT FOXGLOVE BEARD TONGUE COMMON MOUNTAIN MINT SHOWY BLACK-EYED SUSAN BLACK-EYED SUSAN SWEET BLACK-EYED SUSAN	4.0000 16.0000 8.0000 1.0000 2.0000 3.0000 4.0000 4.0000 2.0000 6.0000 8.0000 4.0000	0.25 1.00 0.50 0.06 0.06 0.13 0.19 0.25 0.25 0.25 0.13 0.38 0.50 0.25	0.87% 3.50% 1.75% 0.22% 0.22% 0.44% 0.66% 0.87% 0.87% 0.44% 1.31% 1.75% 0.87%	0.17% 0.83% 0.47% 1.26% 2.76% 1.50% 3.08% 1.01% 2.21% 4.10% 3.47% 1.28% 5.81% 1.36%
RUDBECKIA TRILOBA SILPHIUM LACINIATUM SOLIDAGO RIDDELLII SOLIDAGO RIGIDA SYMPHYOTRICHUM NOVAE-ANGLIAE THALICTRUM DASYCARPUM VERNONIA FASCICULATA VERBENA HASTATA ZIZIA AUREA	BROWN-EYED SUSAN COMPASS PLANT RIDDELL'S GOLDENROD STIFF GOLDENROD NEW ENGLAND ASTER PURPLE MEADOW RUE COMMON IRONWEED BLUE VERVAIN GOLDEN ALEXANDERS	3.0000 1.0000 1.0000 1.5000 4.0000 4.0000 4.0000 8.0000	0.19 0.06 0.06 0.09 0.25 0.25 0.38 0.25 0.50	0.66% 0.22% 0.22% 0.33% 0.87% 0.87% 1.31% 0.87% 1.75%	0.81% 0.01% 0.73% 0.49% 2.05% 0.35% 1.14% 2.94% 0.69%

1. INSTALL A MYCORRHIZAL INOCCULANT WITH SEED MIX AT 40 LBS/ACRE

DETENTION BASIN SEED MIX

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

BROADLEAF SUBTOTALS

SEED MIX TOTALS

4. AT NO TIME SHOULD ANNUAL OR PERENNIAL RYE (LOLIUM MULTIFLORUM OR PERENNE) BE UTILIZED AS A COVER CROP.

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
- 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
- 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
- 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:

EXCAVATE PLANTING BED.

LANDSCAPE NOTES.

2. BED HEIGHT IS TO BE 2" ABOVE FINISH GRADE AND WELL DRAINED.

PLUMB AND BACKFILL WITH PLANTING MIX AS SPECIFIED IN

LIMITS OF PLANTING BED, SEE PLANS FOR BED LAYOUTS.

BE PLACED WITH THEIR CENTER 24" FROM EDGE OF BED.

CIRCLING ROOTS. CORRECT GIRDLING ROOTS.

(STAGGERED) SPACING AS PLAUSIBLE.

3. REMOVE CONTAINER, SCORE SOIL MASS TO REDIRECT AND PREVENT

2. PLANT MATERIAL SHALL BE LAID OUT BY FOLLOWING THE BED EDGE,

WORKING TOWARDS THE CENTER OF THE BED USING TRIANGULAR

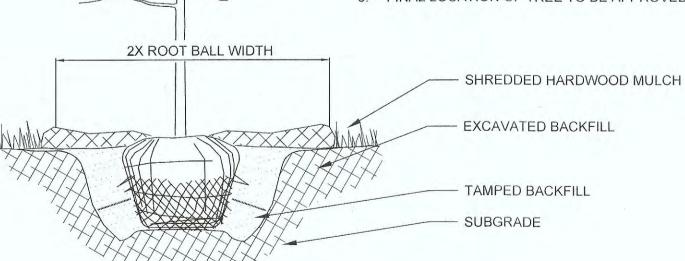
APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE.

MULCH LIMITS FOR PERENNIALS/GROUNDCOVER EXTEND TO ALL

5. SPACING TO BE AS SPECIFIED IN THE PLANT LIST. PERENNIALS SHALL

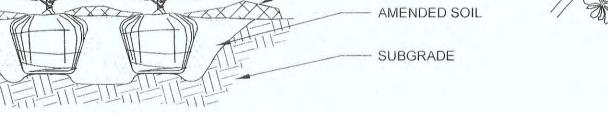
NOTES:

- 1. INSPECT TREE FOR DAMAGED BRANCHES, APPLY CORRECTIVE PRUNING. 2. SET ROOT BALL ON UNEXCAVATED OR TAMPED SOIL. TOP OF
- ROOTBALL SHALL BE TWO INCHES ABOVE SURROUNDING GRADE WITH BURLAP AND WIRE BASKET INTACT.
- REMOVE WIRE BASKET AND BURLAP DOWN FOUR TO SIX INCHES BELOW TOP OF ROOT BALL. REMOVE ALL TWINE AND (IF USED), SYNTHETIC MATERIAL. REMOVE OR CORRECT GIRDLING ROOTS.
- 4. TAMP EXCAVATED SOIL AROUND BASE OF ROOTBALL. BACKFILL REMAINDER EXCAVATED SOIL TAMPED LIGHTLY. HIGH CLAY OR POOR SOIL SHALL RECEIVE SOIL AMENDMENT
- PER LANDSCAPE NOTES. WATER THOROUGHLY WITHIN TWO HOURS USING 10 TO 15 GALLONS OF WATER.
- APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT
- 8. FINAL LOCATION OF TREE TO BE APPROVED BY OWNER.



1 TREE PLANTING

NTS 2 SHRUB PLANTING



2. SET ROOT BALL OR CONTAINER ON UNEXCAVATED OR TAMPED SOIL. TOP OF

3. REMOVE BURLAP FROM TOP HALF THE LENGTH OF ROOTBALL. TWINE AND (IF

5. PLUMB AND BACKFILL WITH AMENDED SOIL PER LANDSCAPE NOTES. WATER

ROOTBALL (CONTAINER) SHALL BE ONE INCH ABOVE SURROUNDING GRADE. FOR

LARGER SHRUBS WITHIN PLANTING BED DIG A DEEPER PIT ONLY FOR THOSE

USED) SYNTHETIC MATERIAL SHALL BE REMOVED FROM PLANTING BED. FOR

CONTAINER GROWN SHRUBS, REMOVE CONTAINER AND LOOSEN ROOTS PRIOR TO

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

39.93%

100.00%

MINIMUM 6" BEYOND ROOT BALL

29.18%

100.00%

NOTES:

APPLY CORRECTIVE PRUNING.

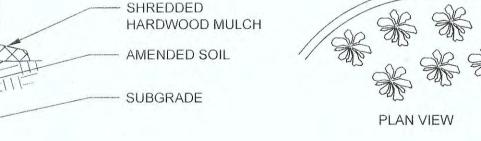
4. REMOVE OR CORRECT GIRDLING ROOTS.

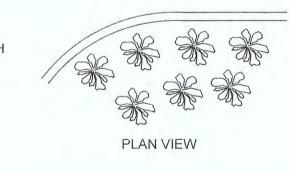
THOROUGHLY WITHIN TWO HOURS.

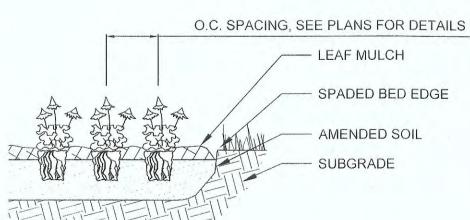
INSTALLATION.

LAYOUTS.

8.34







SECTION

APPROVAL DATE: 5/10/118

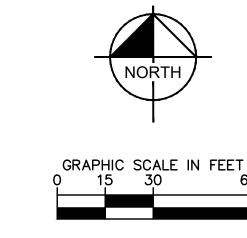
PERENNIAL PLANTING

LANDSCAPE NOTES AND DETAILS

DRAWN BY BDW 29 SEPT 2017 168577000

SHEET NO. L2.3





LEGEND

* TREE LOCATION AND NUMBER



TREE PROTECTION FENCE

Kimley >>> HOP

SKILLED NURSING SHORT REHABILITATION CENTER

Architecture

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Architecture
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EVISIONS
REVISED PER VILLAGE 11

ISSUED FOR BID 01/25/18
REVISED PER ARCH 02/13/18
COORDINATION
REVISED PER VILLAGE 03/23/18
COMMENTS

DRAWN BY
BDW
DATE

DATE 29 SEPT 2017 PROJECT 168577000

L1.0

TREE REMOVAL PLAN

TREE TO BE PRESERVED

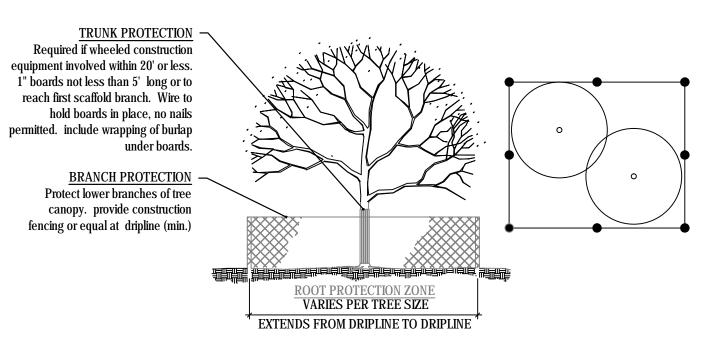
TREE INVENTORY AND REMOVALS SCHEDULE TREE TO BE REMOVED

#	BOTANICAL NAME	COMMON NAME	CAL "		REQUIF REPLA MENT TE
2	Gleditsia triacanthos inermis 'Skyline' Pinus nigra	Skyline Honeylocust Austrian Pine	8" 9"	Good Fair	
3	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	6"	Good	
5	Acer rubrum 'Red Sunset' Pinus nigra	Sunset Maple Austrian Pine	5" 8"	Good Fair	
6	Acer rubrum 'Red Sunset'	Sunset Maple	6"	Good	
7 8	Pinus nigra Acer freemanii 'Jeffersred'	Austrian Pine Autumn Blaze Maple	9" 7"	Fair Good	
9	Acer rubrum 'Red Sunset'	Sunset Maple	5"	Good	
10	Acer rubrum 'Red Sunset'	Sunset Maple	5" 5"	Good	
11 15	Amelanchier canadensis Acer rubrum	Shadblow Serviceberry Red Maple	7"	Good Good	
16	Acer rubrum	Red Maple	4"	Good	
17 18	Pinus nigra Gleditsia triacanthos inermis 'Skyline'	Austrian Pine Skyline Honeylocust	9" 8"	Fair Good	
19	Pinus nigra	Austrian Pine	9"	Fair	
20 21	Celtis occidentalis Gymnocaldus dioicus	Hackberry Kentucky Coffee Tree	5" 6"	Good Good	1
22	Pinus nigra	Austrian Pine	9"	Fair	1
23	Celtis occidentalis	Hackberry	5"	Good	1
24 25	Celtis occidentalis Gleditsia triacanthos inermis 'Skyline'	Hackberry Skyline Honeylocust	5" 12"	Good Good	1
26	Pinus strobus	Eastern White Pine	12"	Good	1
27 34	Tilia cordata Tilia cordata	Littleleaf Linden Littleleaf Linden	8" 8"	Good Good	1
35	Acer rubrum	Red Maple	8"	Good	
36	Acer rubrun	Red Maple	6"	Good	
37 38	Pinus strobus Acer rubrum	Eastern White Pine Red Maple	8" 8"	Good Good	
39	Ulmus 'Patriot'	Patriot Elm	6"	Good	
40 41	Ulmus 'Patriot' Ulmus 'Patriot'	Patriot Elm Patriot Elm	5" 5"	Good Good	1
41	Ulmus 'Patriot'	Patriot Elm Patriot Elm	5"	Good	
43	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	5"	Good	
44 45	Acer rubrum Pinus strobus	Red Maple Eastern White Pine	5" 4"	Good Good	
46	Tilia cordata	Littleleaf Linden	9"	Good	
47 48	Ulmus 'Patriot' Ulmus 'Patriot'	Patriot Elm	4" 4"	Good	
48 100	Populus deltoides	Patriot Elm Eastern Cottonwood	8 <u>"</u>	Good Fair	0
101	Populus deltoides	Eastern Cottonwood	5"	Fair	0
102 103	Quercus bicolor Quercus bicolor	Swamp White Oak Swamp White Oak	6 <u>"</u>	Fair Fair	1 1
104	Quercus bicolor	Swamp White Oak	6"	Fair	1
157	Acer rubrum 'Red Sunset' Acer rubrum 'Red Sunset'	Sunset Maple Sunset Maple	5" <u>5"</u>	Good Poor	0
158 159	Acer rubrum 'Red Sunset'	Sunset Maple	5- 6"	Good	1
160	Acer rubrum 'Red Sunset'	Sunset Maple	9"	Good	1
161 162	Acer rubrum 'Red Sunset' Acer rubrum 'Red Sunset'	Sunset Maple Sunset Maple	<u>9"</u>	Good Good	1
163	Acer rubrum 'Red Sunset'	Sunset Maple	7"	Good	1
164 165	Pyrus calleryana 'Chanticleer' Pyrus calleryana 'Chanticleer'	Chanticleer Pear Chanticleer Pear	7" 8"	Good Good	1 1
166	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	8"	Good	1
167	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	8"	Good	1
168 169	Alnus glutinosa Pyrus calleryana 'Chanticleer'	Black Alder Chanticleer Pear	4 <u>"</u> 3 <u>"</u>	Good Good	0
170	Gymnocaldus dioicus	Kentucky Coffee Tree	6"	Good	1
171 174	Tilia cordata Alnus glutinosa	Littleleaf Linden Black Alder	6" 7"	Fair Good	1
175	Acer rubrum 'Red Sunset'	Sunset Maple	8"	Good	
176	Tilia cordata	Littleleaf Linden	4" 7"	Good	1
177 179	Tilia cordata Pinus strobus	Littleleaf Linden Eastern White Pine	8"	Good Good	
180	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	6"	Good	
181 183	Gymnocaldus dioicus Pinus nigra	Kentucky Coffee Tree Austrian Pine	6" 8"	Good Fair	
184	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	6"	Good	
185	Pinus nigra	Austrian Pine	8"	Fair	1
186 187	Tilia cordata Quercus bicolor	Littleleaf Linden Swamp White Oak	5 <u>"</u> 5 <u>"</u>	Good Good	1 1
188	Quercus bicolor	Swamp White Oak	5"	Good	1
189 190	Quercus bicolor Pinus nigra	Swamp White Oak Austrian Pine	3 <u>"</u> 10"	Good Fair	0
192	Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust	6"	Good	
193 196	Pinus nigra Acer rubrum 'Red Sunset'	Austrian Pine Sunset Maple	8" 6"	Fair Good	
196 197	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	9"	Good	1
198	Gymnocaldus dioicus	Kentucky Coffee Tree	6"	Good	1
199 200	Pyrus calleryana 'Chanticleer' Pyrus calleryana 'Chanticleer'	Chanticleer Pear Chanticleer Pear	7" 7"	Good Good	1 1
201	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	7"	Good	1
202 203	Acer rubrum 'Red Sunset' Acer rubrum 'Red Sunset'	Sunset Maple Sunset Maple	7" 6"	Good Good	1 1
203 204	Tilia cordata	Littleleaf Linden	3"	Good	0
206	Ameniachier canadensis	Shadblow Serviceberry	3"	Good	
207 208	Pyrus calleryana 'Chanticleer' Pyrus calleryana 'Chanticleer'	Chanticleer Pear Chanticleer Pear	8" 8"	Good Good	
209	Amelanchier canadensis	Shadblow Serviceberry	3"	Good	
210 211	Syringa reticulata Syringa reticulata	Japanese Lilac Tree Japanese Lilac Tree	5 <u>"</u> 5 <u>"</u>	Good Good	1
212	Syringa reticulata	Japanese Lilac Tree	5"	Good	1
213 215	Acer rubrum 'Red Sunset' Acer rubrum 'Red Sunset'	Sunset Maple Sunset Maple	5 <u>"</u> 8 <u>"</u>	Good Good	1
215 217	Acer rubrum 'Red Sunset' Quercus spp.	Sunset Maple Oak	3 <u>"</u>	Good Good	0
499	Acer rubrum 'Red Sunset'	Sunset Maple	7"	Good	
500 501	Malus 'Prairiefire' Picea pungens	Prairiefire Crabapple Colorado Spruce	6" 4"	Good Good	
505	Pinus strobus	Eastern White Pine	4"	Good	
506	Acer rubrum 'Red Sunset'	Sunset Maple	6"	Good	
509 511	Tilia cordata Alnus glutinosa	Littleleaf Linden Black Alder	8" 5"	Good Good	
512	Acer rubrum 'Red Sunset'	Sunset Maple	9"	Good	1
514 516	Acer rubrum 'Red Sunset' Pinus strobus	Sunset Maple Eastern White Pine	5" 4"	Good	_
516 517	Picea pungens	Colorado Spruce	8"	Good Good	
518	Malus 'Prairiefire'	Prairiefire Crabapple	8"	Good	1
520 521	Gleditsia triacanthos inermis 'Skyline' Gleditsia triacanthos inermis 'Skyline'	Skyline Honeylocust Skyline Honeylocust	7" 5"	Good Good	1 1
	Pinus strobus	Eastern White Pine	5"	Good	1
523	T THUS SHOWUS	Lustern Winter inc			

TOTAL REQUIRED 4" CAL. REPLACEMENT TREES

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

- 1. PER 6-305.F.3.f.2 TREE OF HEAVEN (ALAINTHUS SPP.), BUCKTHORN, WILLOW, BOX ELDER, SIVER MAPLE, OSAGE ORANGE, ALL SPECIES OF ASH (FAXINUS SPP.) AND COTTONWOOD (POPULUS DELTOIDES) ARE EXEMPT FROM MITIGATION REQUIREMENTS.
- 2. 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

- 1. ALL TREES TO BE PROTECTED AND PRESERVED SHALL BE PER DETAIL. GROUPING OF MORE THAN ONE TREE MAY OCCUR.
- 2. TREES TO BE PROTECTED AND PRESERVED SHALL BE IDENTIFIED ON THE TRUNK WITH WHITE SURVEY TAPE.
- 3. 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.
- 4. TREE ROOTS SHALL NOT BE CUT UNLESS CUTTING IS UNAVOIDABLE.
- 6. 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.
- 7. WATERING OF PROTECTED TREES IN WHICH ROOTS WERE CUT SHALL BE PROVIDED BY THE CONTRACTOR.
- 8. AUGER TUNNELING RATHER THAN TRENCHING SHOULD BE USED FOR UTILITY PLACEMENT WITHIN DRIP LINE.
- 9. FENCING MATERIAL SHALL ENCIRCLE ANY TREE OR SHRUB WHOSE OUTER DRIP LINE EDGE IS WITHIN 20 FEET OF ANY CONSTRUCTION ACTIVITIES.
- 10. FENCING MATERIAL SHALL BE BRIGHT, CONTRASTING COLOR, DURABLE, AND A MINIMUM OF FOUR FEET IN HEIGHT.

SHOULD BE AVOIDED FOR EXISTING TREES TO REMAIN. RETAINING WALLS AND TREE WELLS ARE ACCEPTABLE ONLY

- 11. 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. 12. ANY GRADE CHANGES (SUCH AS THE REMOVAL OF TOPSOIL OR ADDITION OF FILL MATERIAL) WITHIN THE DRIP LINE
- WHEN CONSTRUCTED PRIOR TO GRADE CHANGE. 13. REFER TO PLANS FOR FENCE STAKING LOCATIONS.

TREE PROTECTION

NTS

TREE REMOVALS

SUMMARY

BDW

NURSING SHORT SKILLED REHABILI

Kimley » Horn



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1 REVISED PER VILLAGE 11/24/17 COMMENTS

2 ISSUED FOR BID 3 REVISED PER ARCH 02/13/18 COORDINATION 4 REVISED PER VILLAGE 03/23/18 COMMENTS 5 REVISED PER VILLAGE 04/10/18 COMMENTS