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05/10/2018

**File Number: 2017-0772**

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)\*

\* Additional inspections may be required if inspections reveal landscape deficiencies.

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

Sincerely,



**Mike Mazza, ASLA**

Planner I | Development Services | 14700 Ravinia Avenue | Orland Park, IL 60462 | (O) 708-403-6119 | [mmazza@orlandpark.org](mailto:mmazza@orlandpark.org)

# ***Hey and Associates, Inc.***

Engineering, Ecology and Landscape Architecture

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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

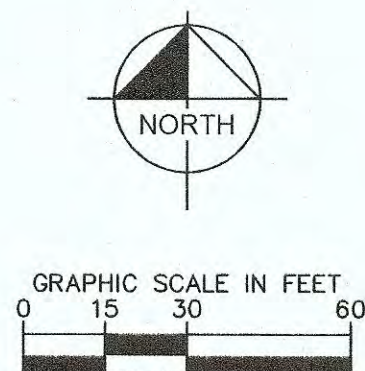
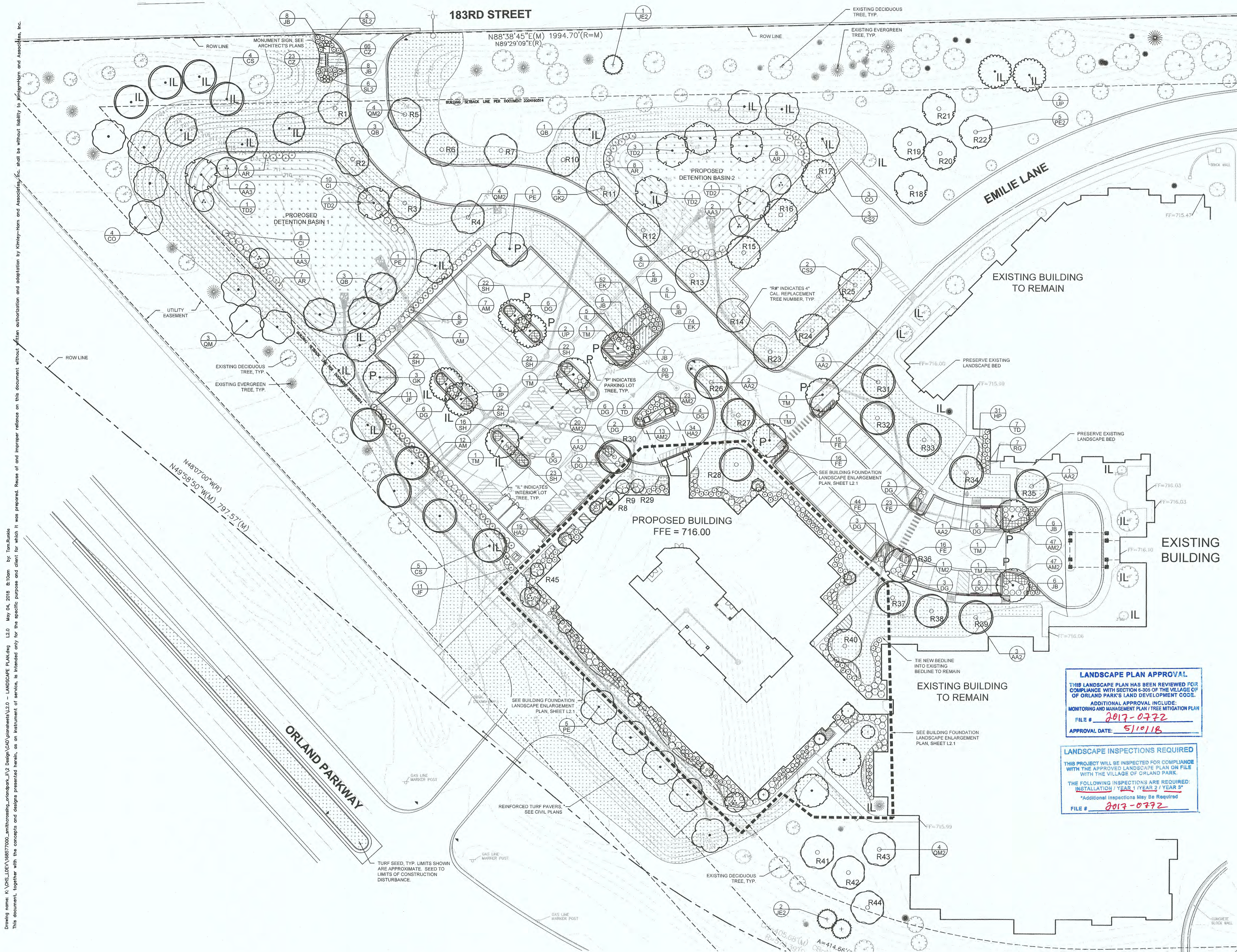
All previously identified issues related to the approval of the final landscape plan for this project have been satisfactorily addressed. It is our recommendation that the final landscape plan for Smith Crossing, referenced herein, be approved in conformance with the Village landscape ordinance.

Please contact us with any questions or comments.

Sincerely,

Tim Pollowy, PLA, ASLA  
Senior Landscape Architect





| 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: 163RD 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: 163RD STREET (ARTERIAL CORRIDOR)          | 4 SHADE TREES; 2 ORNAMENTAL OR EVERGREEN TREES PER 100' CORRIDOR LENGTH = 350 LF<br>550' 100' = 6<br>8' X 4 = 24 SHADE TREES<br>8' X 2 = 12 ORNAMENTAL OR EVERGREEN TREES                                                                                                                                                                                                                                                                                                                                                                                                       | 24 EXISTING SHADE TREES<br>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<br>1050' 100' = 10<br>11' X 3 = 33 SHADE TREES<br>11' X 1 = 11 ORNAMENTAL OR EVERGREEN TREES                                                                                                                                                                                                                                                                                                                                                                                                  | 33 SHADE TREES<br>(16 EXISTING, 17 PROPOSED)<br>11 EVERGREEN TREES<br>(9 EXISTING, 2 PROPOSED)                                                                                          |
| 6-305-D.4 - LANDSCAPE BUFFERYARDS                                          | NA<br>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.<br>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.<br>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<br>APPROX. PROJECT AREA = 307, 100' SF<br>307, 100' / 10,000 = 31 TREES                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 31 TREES<br>(6 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.<br>TOTAL PARKING SPACES = 62<br>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<br>1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER<br>3 SHRUBS PER 50 LF OF BASIN PERIMETER<br>TOTAL BASIN PERIMETER = 490 LF<br>490 / 100 = 5 SHADE TREES<br>490 / 200 = 3 UNDERSTORY TREES<br>490 / 50 = 8 X 3 = 30 SHRUBS                                                                                                                                                                                                                                                                                                         | 5 SHADE TREES<br>3 UNDERSTORY TREES<br>30 SHRUBS                                                                                                                                        |
| 6-305-D.8 - STORM WATER MANAGEMENT AREA LANDSCAPE NORTHEAST DETENTION AREA | 1 SHADE TREE PER 100 LF OF BASIN PERIMETER<br>1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER<br>3 SHRUBS PER 50 LF OF BASIN PERIMETER<br>TOTAL BASIN PERIMETER = 400 LF<br>400 / 100 = 4 SHADE TREES<br>400 / 200 = 2 UNDERSTORY TREES<br>400 / 50 = 8 X 3 = 24 SHRUBS                                                                                                                                                                                                                                                                                                         | 4 SHADE TREES<br>2 UNDERSTORY TREES<br>24 SHRUBS                                                                                                                                        |

**smith**  
**ROSSING**

SKILLED NURSING SHORT  
REHABILITATION CENTER

Washington and Jane Smith Community  
Orland Park Illinois

**Kimley»Horn**  
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Architecture  
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Planning

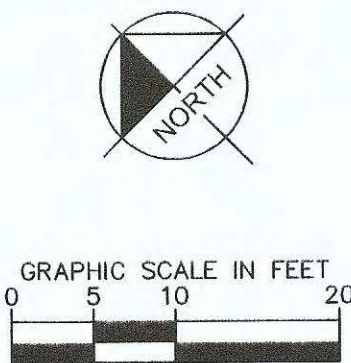
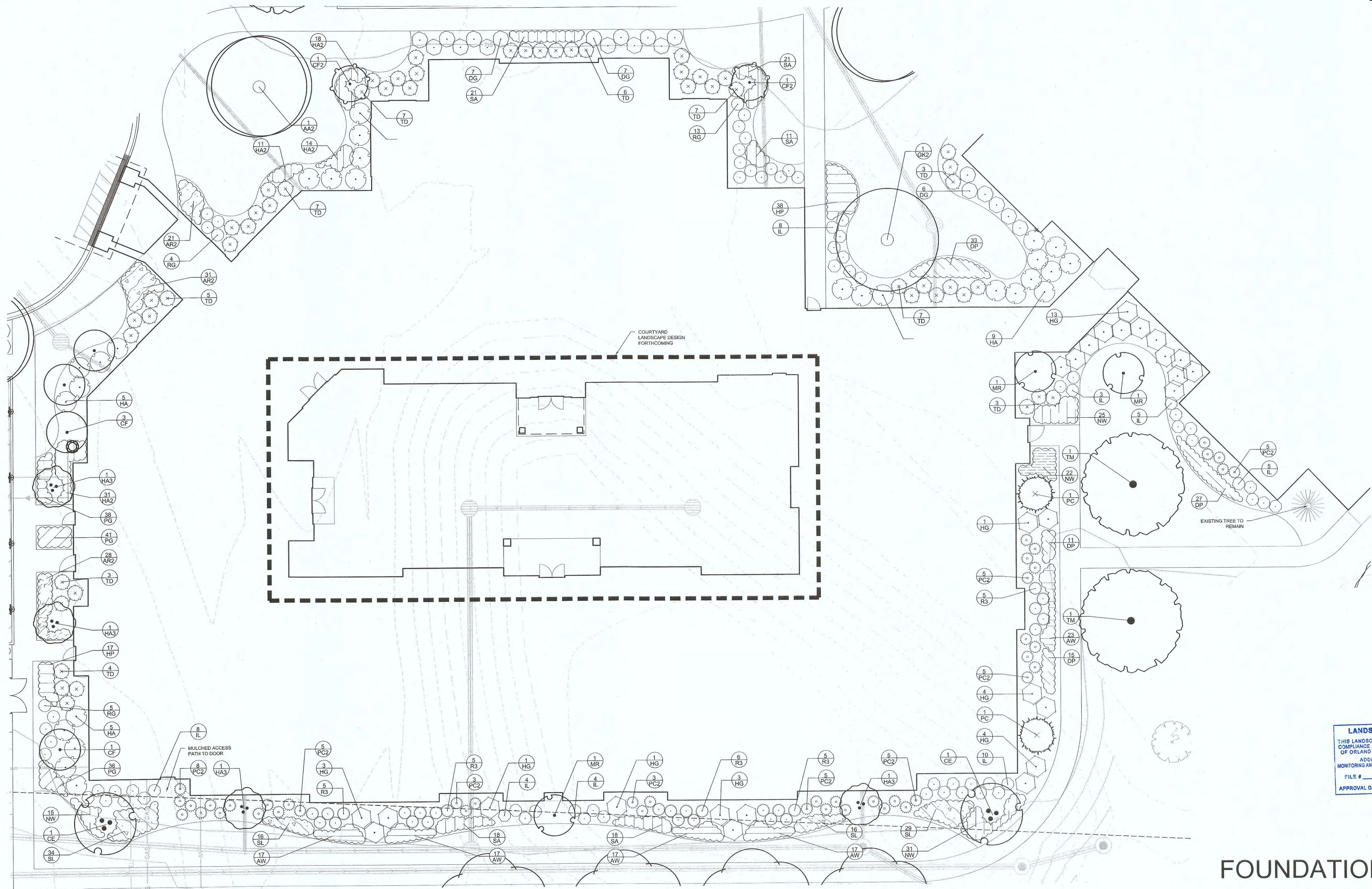
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| 1         | REVISED PER VILLAGE COMMENTS  | 11/26/17 |
| 2         | ISSUED FOR BID                | 01/25/18 |
| 3         | REVISED PER ARCH COORDINATION | 02/13/18 |
| 4         | REVISED PER VILLAGE COMMENTS  | 03/23/18 |
| 5         | REVISED PER VILLAGE COMMENTS  | 04/10/18 |
| 6         | REVISED PER VILLAGE COMMENTS  | 04/23/18 |

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

120



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**LANDSCAPE PLAN APPROVAL**

THIS LANDSCAPE PLAN HAS BEEN REVIEWED FOR COMPLIANCE WITH SECTION 8-306 OF THE VILLAGE OF OF ORLAND PARK'S LAND DEVELOPMENT CODE.

ADDITIONAL APPROVAL INCLUDE:  
MONITORING AND MANAGEMENT PLAN / TREE MITIGATION PLAN

FILE # 8017-0772

APPROVAL DATE: 5/10/10

# FOUNDATION LANDSCAPE ENLARGEMENT PLAN

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

## L2.1

**Smith**  
**CROSSING**

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

**Kimley»Horn**  
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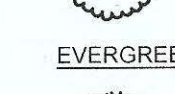
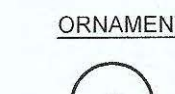
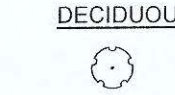
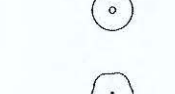
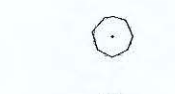
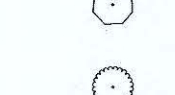
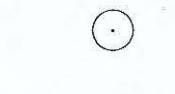
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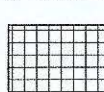
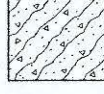
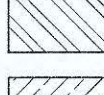
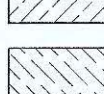
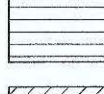
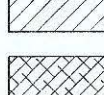
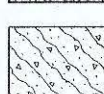
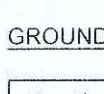
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| 6         | REVISED PER VILLAGE COMMENTS  | 04/23/18 |



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This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Review of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

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   | 9   | 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  | 3   | 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   | 2   | 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 'G2X886411'            | KODIAK RED BUSH HONEYSUCKLE      | -     | SEE PLAN     | 24" HT MIN  |
|  | HA   | 28  | 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   | 29  | 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   | 51  | 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   | 64  | TAXUS X MEDIA 'DENSIFORMIS'                | DENSE YEW                        | -     | SEE PLAN     | 24" HT MIN  |

| 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 FASSENII 'WALKERS LOW'            | WALKERS LOW CATMINT                 | 1 GAL   | 18" o.c. |
|    | PB   | 80             | PENNISSETUM 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                                |                                     |         |          |
|  | DD   | DETENTION SEED | DETENTION BASIN SEED MIX                   |                                     |         |          |
|  | ST   | SEED SEED      | TURF SEED                                  |                                     |         |          |

LANDSCAPE PLAN APPROVAL  
THIS LANDSCAPE PLAN HAS BEEN REVIEWED FOR COMPLIANCE WITH SECTION 5-305 OF THE VILLAGE OF ORLAND PARK'S LAND DEVELOPMENT CODE.  
ADDITIONAL APPROVAL INCLUDE:  
MONITORING AND MANAGEMENT PLAN / TREE MITIGATION PLAN  
FILE # 8012-0792  
APPROVAL DATE: 05/10/18

LANDSCAPE MATERIALS LISTS

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

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| REVISIONS |                               |          |
|-----------|-------------------------------|----------|
| 1         | REVISED PER VILLAGE COMMENTS  | 11/06/17 |
| 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  | 04/01/18 |
| 6         | REVISED PER VILLAGE COMMENTS  | 04/23/18 |

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

L2.2



Drawing name: K:\GIS\GIS\168577000\_mitilandscape\_planning.dwg L2.3 May 04, 2016 8:10am By: Tom Runkle  
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DETENTION BASIN SEED MIX

| BOTANICAL NAME                     | COMMON NAME                   | OZ/<br>ACRE | LBS/<br>ACRE | % OF MIX<br>BY WEIGHT | % OF MIX<br>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         | 6.98%                 | 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/SEEDGE SUBTOTALS             |                               |             | 20.25        | 70.82%                | 60.07%                 |
| FLOWERS AND OTHER BROADLEAVES      |                               |             |              |                       |                        |
| ALLIUM CERNUUM                     | 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 BONESSET               | 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         | 0.66%                 | 3.08%                  |
| KUHNA EUPATORIODES CORYMBULOSA     | FALSE BONESSET                | 4.0000      | 0.25         | 0.87%                 | 1.01%                  |
| MONARDA FISTULOSA                  | WILD BERGAMOT                 | 4.0000      | 0.25         | 0.87%                 | 2.21%                  |
| PENSTEMON FISTULIS                 | FOXGLOVE BEARD TONGUE         | 4.0000      | 0.25         | 0.87%                 | 4.10%                  |
| PHYCNANTHEMUM 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 TRILOBIA                 | 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.

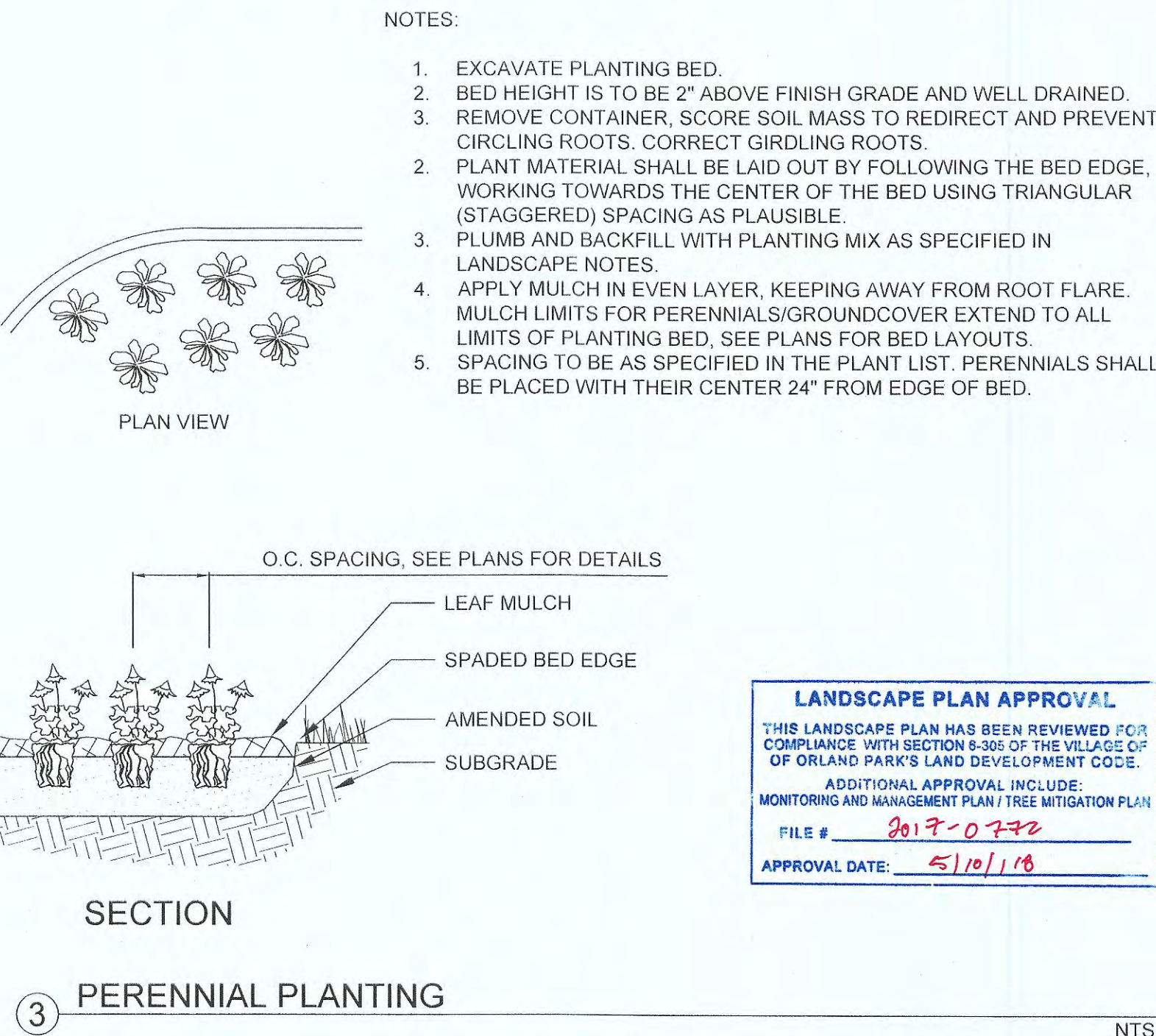
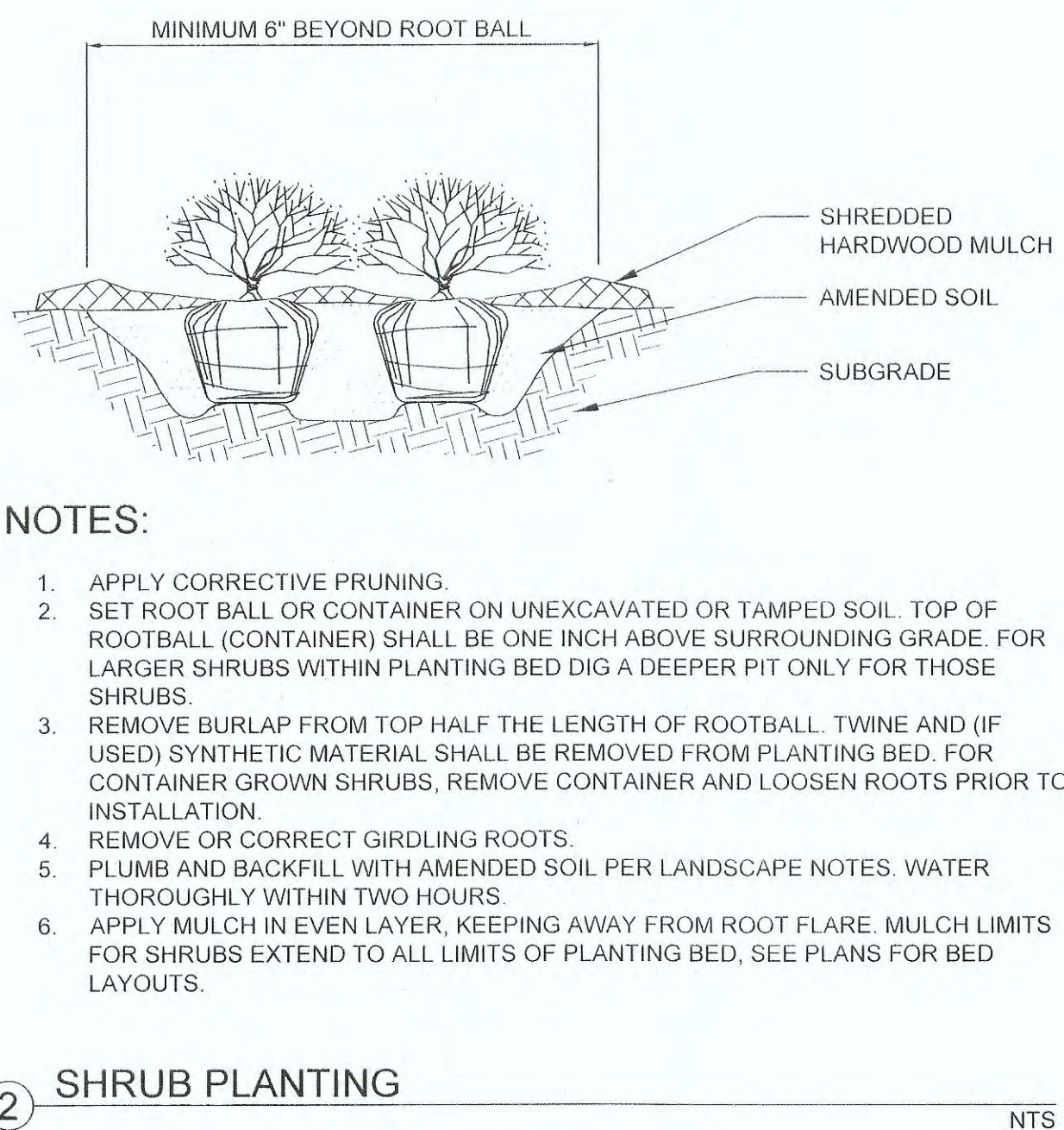
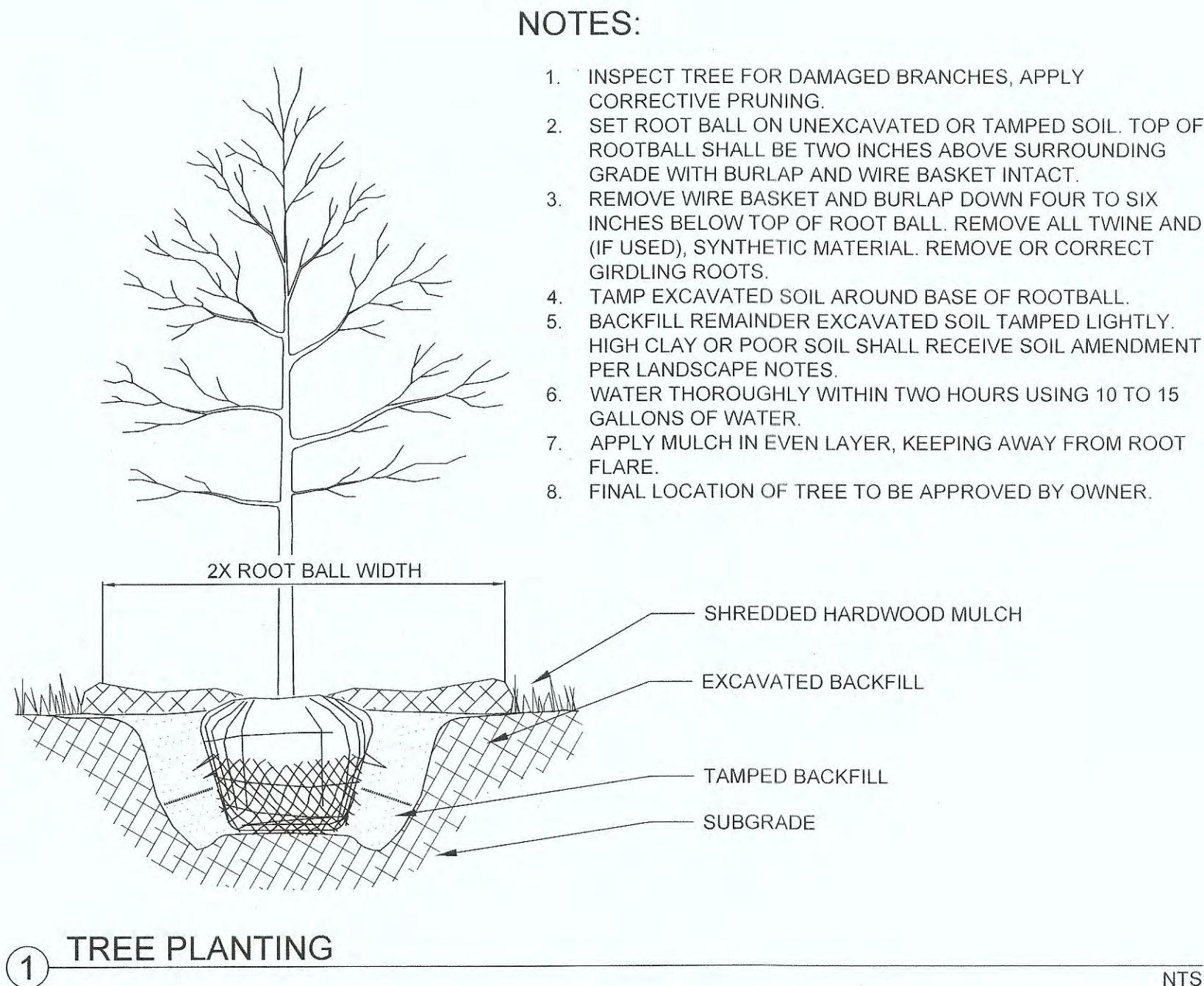
AVAILABLE AS "DRY BOTTOM DETENTION SEED MIX"  
FROM PIZZO NATIVE PLANT NURSERY, OR EQUAL.  
10729 PINE ROAD  
LELAND, IL 60531  
815.981.8000

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 GROUND COVER 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 NATURAL 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.



**LANDSCAPE PLAN APPROVAL**  
THIS LANDSCAPE PLAN HAS BEEN REVIEWED FOR COMPLIANCE WITH SECTION 8-305 OF THE VILLAGE OF ORLAND PARK'S LAND DEVELOPMENT CODE.  
ADDITIONAL APPROVAL INCLUDE:  
MONITORING AND MANAGEMENT PLAN / TREE MITIGATION PLAN  
FILE # 2017-0722  
APPROVAL DATE: 5/10/18

LANDSCAPE NOTES  
AND DETAILS

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

L2.3

SKILLED NURSING SHORT TERM  
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Orland Park  
Illinois

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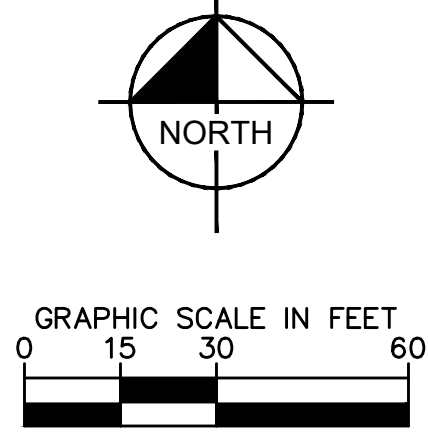
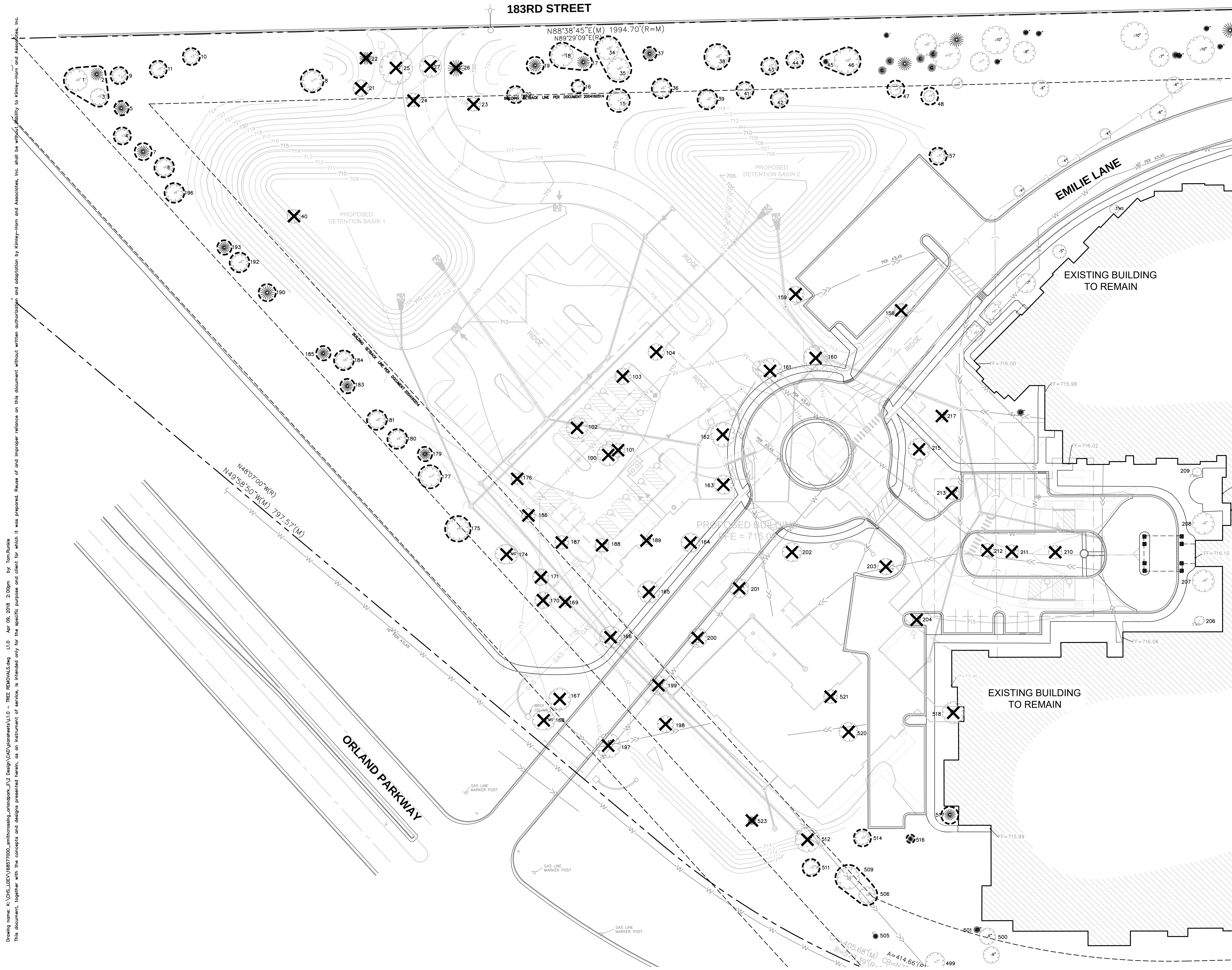
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| REVISIONS |                               |          |
|-----------|-------------------------------|----------|
| 1         | REVISED FOR VILLAGE COMMENTS  | 11/04/17 |
| 2         | ISSUED FOR BID                | 01/05/18 |
| 3         | REVISED FOR ARCH COORDINATION | 02/19/18 |
| 4         | REVISED FOR VILLAGE COMMENTS  | 03/23/18 |
| 5         | REVISED FOR VILLAGE COMMENTS  | 04/10/18 |
| 6         | REVISED FOR VILLAGE COMMENTS  | 04/25/18 |





### LEGEND

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

# TREE REMOVAL PLAN

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

L1.0

| REVISIONS |                               |          |
|-----------|-------------------------------|----------|
| 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 |



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Washington

**smithROSSING**  
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Orland Park Illinois



Drawing name: K:\GIS\_LDCV\68577000\_ambrosiaeng\_orlandpark\1\2 Design\CAD\plan\sheet\1\10 - TREE REMOVALS.dwg L11 Apr 09, 2018 2:00pm by: Tom.Runkle  
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TREE INVENTORY AND REMOVALS SCHEDULE

| #   | BOTANICAL NAME                          | COMMON NAME           | SIZE<br>CAL " | CONDI-<br>TION | REQUIRED<br>REPLACE-<br>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  | Gymnocaldus 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                                  |
| 34  | 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 | Gymnocaldus 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 | Gymnocaldus 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 | Gymnocaldus 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                                  |
| 204 | Acer rubrum 'Red Sunset'                | Sunset Maple          | 6"            | Good           | 1                                  |
| 204 | Tilia cordata                           | Littleleaf Linden     | 3"            | Good           | 0                                  |
| 205 | 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                   | 2"            | 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           |                                    |
| 509 | Tilia cordata                           | Littleleaf Linden     | 8"            | Good           |                                    |
| 511 | Alnus glutinosa                         | Black Alder           | 5"            | Good           |                                    |
| 512 | Acer rubrum 'Red Sunset'                | Sunset Maple          | 9"            | Good           | 1                                  |
| 514 | Acer rubrum 'Red Sunset'                | Sunset Maple          | 5"            | Good           |                                    |
| 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

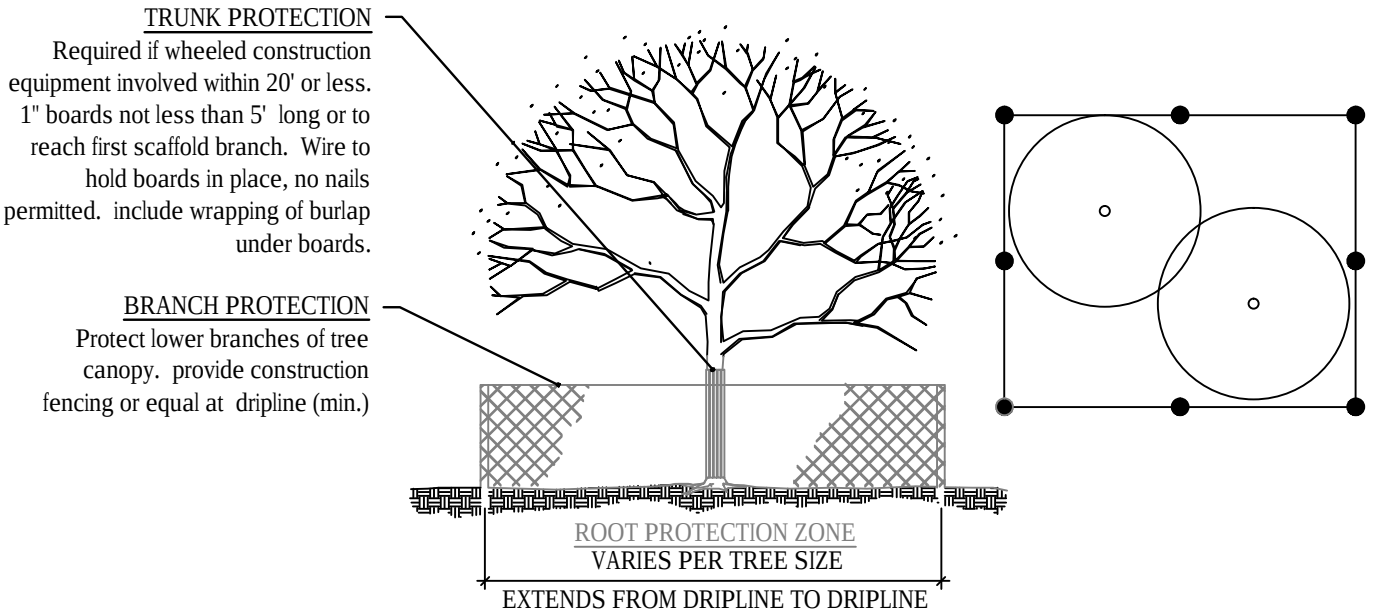
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TREE TO BE PRESERVED

TREE TO BE REMOVED

| 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

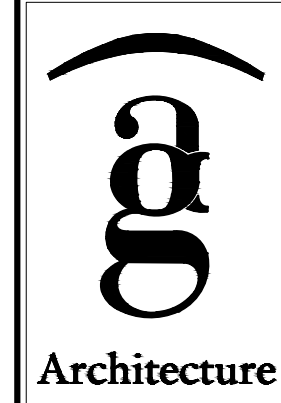
TREE REMOVALS SUMMARY



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Planning

Washington and Jane Smith Community  
Orland Park  
Illinois

| REVISIONS |                                        |
|-----------|----------------------------------------|
| 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  |

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

L1.1