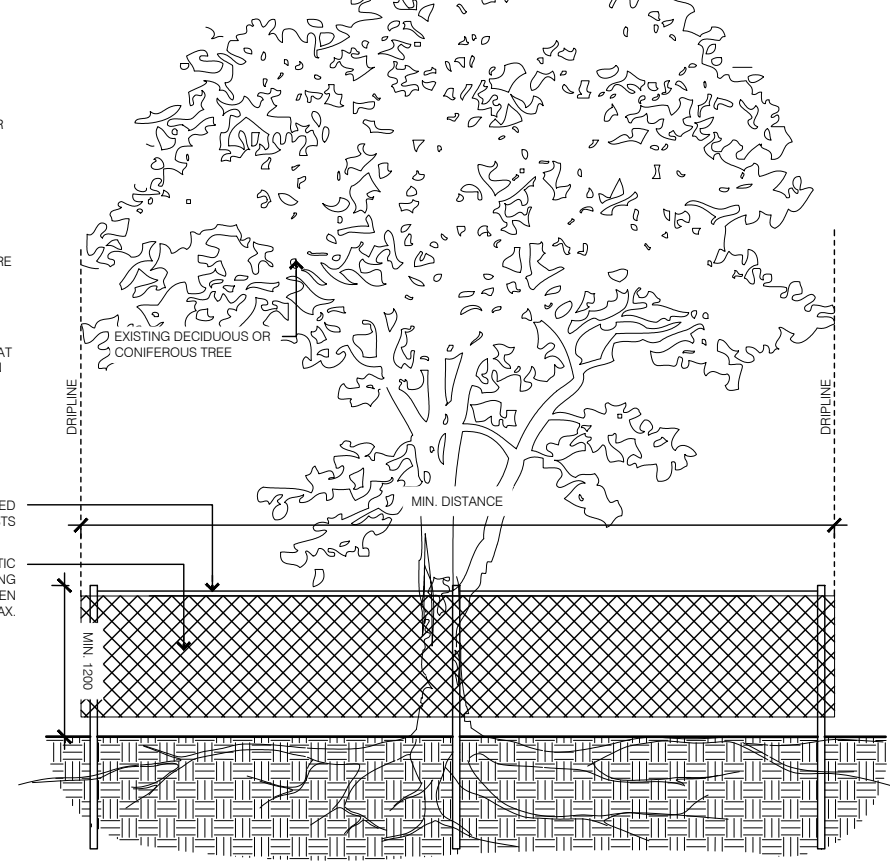


- NOTES**
1. UNDER THE GUIDANCE OF AN ARBORIST, ERECT A MODULAR FENCE AT THE CRITICAL ROOT ZONE (CRZ) OF TREES WHERE THE CRZ IS ESTABLISHED AS BEING TO BE REMOVED FROM THE TRUNK FOR EVERY CENTIMETER OF TRUNK DIAMETER AT BRACKET HEIGHT.
 2. TREE PROTECTION SHALL BE PROVIDED TO PROVIDE A CONTINUOUS BARRIAGE TO PREVENT EQUIPMENT FROM THE WORK AREA FROM TO CONSTRUCTION TUNNEL OR BORE WHEN DIGGING WITHIN THE CRZ OF A TREE.
 3. DIRT AND EQUIPMENT AND CONSTRUCTION RELATED MATERIAL ARE NOT PLACED OR TEMPORARILY STORED WITHIN THE CRZ.
 4. INSURE EXHAUST FANES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARDS ANY TREE'S CANOPY.
 5. FLOODING OR DEPOSITION OF SEDIMENT SHALL BE PREVENTED WHERE TREES ARE LOCATED.
 6. ALL EXPOSED ROOT SYSTEMS SHALL BE EXPOSED AND BACKFILLED IN ONE CONTINUOUS OPERATION TO MAINTAIN STABILITY.
 7. EXPOSED ROOTS SHALL BE KEPT CONTINUOUSLY MOIST DURING EXCAVATION. REMOVE BRUSH AND DAMAGED ROOTS WITH SHARP IRON TOOLS.
 8. THE TREE PROTECTION MODULAR FENCE IS TEMPORARY, SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION OPERATIONS, AND SHALL BE REMOVED UPON COMPLETION OF WORK WHEN AGREED TO BY THE CONTRACT ADMINISTRATOR AND LANDSCAPE ARCHITECT.



1 TREE PRESERVATION FENCE

USE '1:60' SIDENCE'
(6 - STOREY BRICK BUILDING)

Douglas James

DOUGLAS JAMES, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW - CENTRAL PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

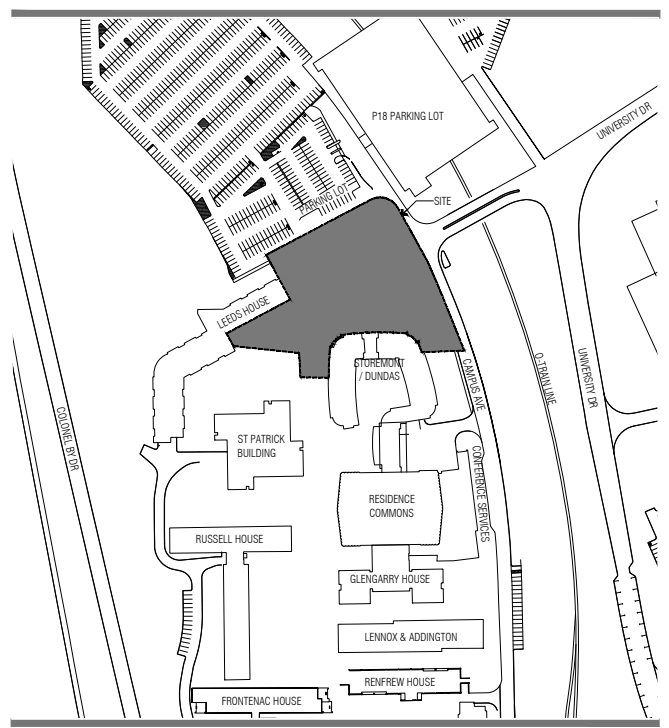
APPROVED
By Douglas James at 4:33 pm, Aug 24, 2021

| NO. | TREE SPECIES | DBH | CONDITION |
|-----|----------------|-------|-----------|
| 1 | Acer Saccharum | 25 cm | Good |
| 2 | Acer Saccharum | 20 cm | Good |
| 3 | Acer Rubrum | 10 cm | Good |
| 4 | Acer Rubrum | 15cm | Good |
| 5 | Acer Saccharum | 20 cm | Good |
| 6 | Acer Saccharum | 30 cm | Good |
| 7 | Picea spp. | 15 cm | Good |
| 8 | Picea spp. | 20 cm | Good |
| 9 | Picea spp. | 20 cm | Good |
| 10 | Picea spp. | 15 cm | Good |
| 11 | Picea spp. | 20 cm | Good |
| 12 | Picea spp. | 17 cm | Good |
| 13 | Picea spp. | 20 cm | Good |
| 14 | Picea spp. | 15 cm | Good |
| 15 | Pinus spp. | 35 cm | Good |
| 16 | Pinus spp. | 30 cm | Good |

| | | | |
|----|----------------|-------|------|
| 17 | Pinus spp. | 30 cm | Good |
| 18 | Pinus spp. | 35 cm | Good |
| 19 | Pinus spp. | 25 cm | Good |
| 20 | Pinus spp. | 20 cm | Good |
| 21 | Acer Saccharum | 22 cm | Good |
| 22 | Acer Saccharum | 22 cm | Good |
| 23 | Acer Saccharum | 22 cm | Good |
| 24 | Picea spp. | 30 cm | Good |
| 25 | Picea spp. | 30 cm | Good |
| 26 | Picea spp. | 25 cm | Good |
| 27 | Picea spp. | 25 cm | Good |
| 28 | Picea spp. | 20 cm | Good |
| 29 | Picea spp. | 25 cm | Good |
| 30 | Picea spp. | 30 cm | Good |
| 31 | Picea spp. | 25 cm | Good |
| 32 | Pinus spp. | 25 cm | Good |
| 33 | Picea spp. | 25 cm | Good |
| 34 | Picea spp. | 25 cm | Good |

| | | | |
|----|----------------|-------|----------------|
| 35 | Pinus spp. | 35 cm | Good |
| 36 | Pinus spp. | 40 cm | Good |
| 37 | Tilia Cordata | 25 cm | Good |
| 38 | Tilia Cordata | 10 cm | Good |
| 39 | Tilia Cordata | 20 cm | Good |
| 40 | Tilia Cordata | 20 cm | Good |
| 41 | Quercus Rubra | 30 cm | Good |
| 42 | Tilia Cordata | 25 cm | Good |
| 43 | Tilia Cordata | 20 cm | Moderate- Poor |
| 44 | Tilia Cordata | 25 cm | Moderate- Poor |
| 45 | Acer Saccharum | 25 cm | Good |
| 46 | Pinus spp. | 20 cm | Moderate |
| 47 | Pinus spp. | 20 cm | Moderate |
| 48 | Pinus spp. | 20 cm | Good |
| 49 | Pinus spp. | 18 cm | Poor |
| 50 | Pinus spp. | 15 cm | Good |

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- LEGEND:**
- LIMIT OF WORK
 - TREE PROTECTION ZONE - WHERE REMOVALS ARE WITHIN TPZ, REMOVALS ARE TO BE DONE BY HAND DIGGING UNDER SUPERVISION OF AN ARBORIST
 - EXISTING ASPHALT TO BE REMOVED
 - EXISTING INTERLOCK TO BE REMOVED
 - EXISTING CONCRETE TO BE REMOVED
 - EXISTING RETAINING WALL TO BE REMOVED
 - EXISTING CONIFEROUS TREE TO REMAIN
 - EXISTING DECIDUOUS TREE TO REMAIN
 - EXISTING CONIFEROUS TREE TO BE REMOVED
 - EXISTING DECIDUOUS TREE TO BE REMOVED

ISSUED

| No. | Date | Description |
|-----|------------|---------------------------------|
| 1 | 2019-12-13 | ISSUED FOR SITE PLAN CONTROL |
| 2 | 2020-03-25 | ISSUED FOR SITE PLAN CONTROL R1 |
| 3 | 2020-05-05 | ISSUED FOR FOUNDATION PERMIT |

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CARLETON UNIVERSITY NEW STUDENT RESIDENCE

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K1S 5B6

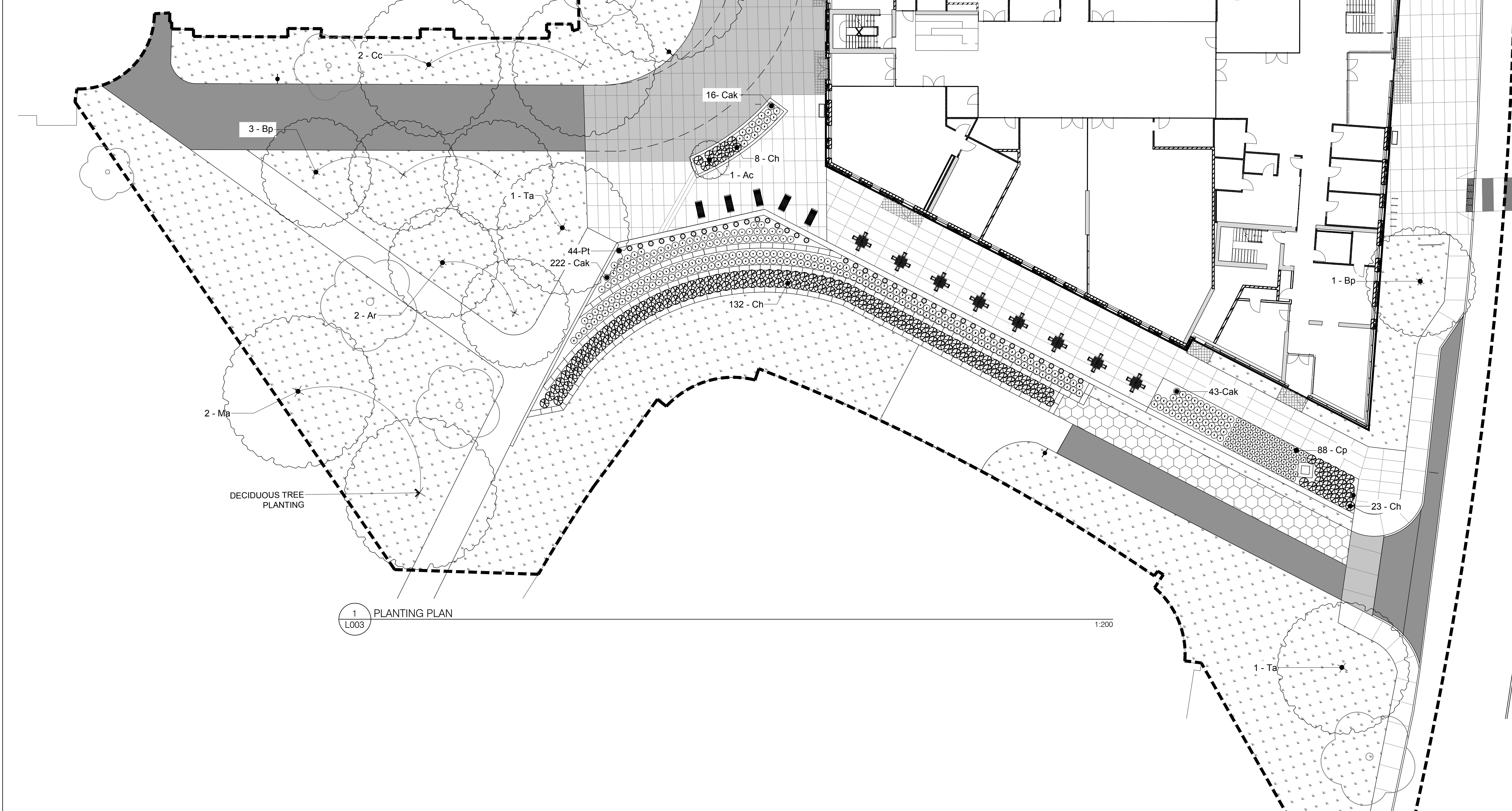
Drawing Name
DEMOLITION - REMOVALS AND TREE CONSERVATION PLAN

File No.: 007-12-19-0205
Plan No.: #18030
Scale: 1:200
Project No: 19758-1
Date: 2020-05-06

L001

| PLANT LIST | | | | | |
|----------------------|-----|--|-----------------------|------|------------|
| TREES | | | | | |
| Key | QTY | BOTANICAL NAME | COMMON NAME | SIZE | COMMENTS |
| Ar | 4 | Acer rubrum | Red Maple | 15m | 45 mm W.B. |
| Bp | 5 | Betula papyrifera | Paper Birch | 12m | 50 mm W.B. |
| Cc | 2 | Carya cordiformis | Bitternut Hickory | 15m | 45 mm W.B. |
| Fg | 2 | Fagus grandifolia | American Beech | 15m | 45 mm W.B. |
| Ma | 2 | Magnolia acuminata | Cucumber Magnolia | 20m | 10 GAL |
| Ta | 2 | Tilia americana | Basswood | 20m | 50 mm W.B. |
| GRASSES/SHRUBS/ VINE | | | | | |
| Ac | 1 | Amelanchier canadensis | Serviceberry | 0.6m | 1 GAL |
| Cak | 297 | Calamagrostis acutiflora 'Karl Forester' | Feather Reed Grass | 0.6m | 1 GAL |
| Ch | 163 | Cotoneaster horizontalis | Rockspray Cotoneaster | 1 m | 3 GAL |
| Cp | 88 | Carex pensylvanica | Oak Sedge | 0.3m | 1 GAL |
| Pt | 44 | Parthenocissus tricuspidata 'Veitchii' | Boston Ivy | 0.3m | 1 GAL |

NOTE: TREES ARE TO BE PLANTED A MINIMUM OF 2 M FROM ANY EXISTING AND PROPOSED SERVICES AND IN A LOCATION THAT WILL NOT IMPACT ANY SUBSURFACE



1 PLANTING PLAN
L003

1:200

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LEGEND:

- LIMIT OF WORK
- HEAVY DUTY ASPHALT
- HEAVY DUTY CONCRETE
- LIGHT DUTY ASPHALT
- LIGHT DUTY CONCRETE PAVING
- SOD
- PERMEABLE PAVERS
- ARMOUR STONE RETAINING WALL
- EXISTING CONIFEROUS TREE TO REMAIN
- EXISTING DECIDUOUS TREE TO REMAIN
- PROPOSED TREE PLANTING
- PROPOSED SHRUB PLANTING
- CONCRETE BENCH
- BIKE RACK
- LOUNGER
- PICNIC TABLE
- FIRE ROUTE SIGN

| ISSUED No. | Date | Description |
|------------|------------|---------------------------------|
| 5 | 2020-08-27 | ISSUED FOR SITE PLAN CONTROL R3 |
| 4 | 2020-08-11 | ISSUED FOR SITE PLAN CONTROL R2 |
| 3 | 2020-05-05 | ISSUED FOR FOUNDATION PERMIT |
| 2 | 2020-03-25 | ISSUED FOR SITE PLAN CONTROL R1 |
| 1 | 2019-12-13 | ISSUED FOR SITE PLAN CONTROL |

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Drawing Name
PLANTING PLAN

File No.: 007-12-19-0205
Plan No.: #18030
Scale: 1:200
Project No: 19758-1
Date: 2020-07-27

L002

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