

BOULEVARD TREE PLANTING SPECIFICATIONS

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- General**
The specifications are to be read in conjunction with the standard City boulevard tree planting details and the Canadian Nursery Trades Association Standards for Nursery Stock manual. Trees, topsoil and planting methods must meet the standards and specifications of the CNTA to be accepted by the City.
- Topsoil Requirements**
The City requires the entire planting area, outside the sidewalk, curb and driveway materials, will be filled with topsoil to a depth of 450mm.
Prior to provision of the topsoil the Owner must provide a soils report which confirms the topsoil, to be utilized on the site, meets the horticultural standards noted herein. Submissions are to include the name of the development project, 19T or 65M number, streets to be planted in and the location of the topsoil source for viewing by City staff. Two copies of the written report, results and recommendations are to be provided to the City for review and approval.
- All topsoil must be screened, fertile, friable, natural loam containing 4% minimum organic matter for clay loams and 2% minimum organic matter for sandy loams. Acidity of topsoil shall range from 6.0pH to 7.5pH (levels of NPK on Mg are to be noted). It shall be free of any mixture of subsoil, clay lumps, stones and roots over 50mm in diameter as well as any foreign objects, and shall be reasonably free of weeds and weed seeds.**
- Test topsoil from source providing 0.5kg samples to an approved testing laboratory, and indicate present use, type of subsoil and quality of drainage. Prepare and ship the samples in accordance with Provincial regulations and testing laboratory requirements.**
- The testing must identify if the following are present in harmful levels; atrazine, salts, pre-emergent herbicides growth inhibitors or soil sterilants and heavy metals.**
- Should the test results indicate the topsoil is not satisfactory the report shall include recommendations to improve the soil. The City reserves the right to reject topsoil that does not meet the standards.**
- In soils with low moisture holding capacities the City may direct the owner to apply Urea based polymers or Hydrogel to the planting soils.**
- When excavating the planting area, to install the topsoil, a continuous trench will be created. These trenches and/or planting pits shall not be left open overnight.**
- Stakeout of Boulevard Tree Locations (Forestry Department)**
City of Vaughan Forestry Department is to be given 24 hours notice of tree planting stakeout meeting with consultant. Prior to the installation, a stakeout of boulevard tree locations is to be undertaken by the owner, to the approval of the City. The owner shall ensure all underground utilities (existing and proposed) are staked out prior to the boulevard tree stake out. The landscape consultant and the City may, at their discretion, redistribute tree locations, prior to planting, in order to minimize conflicts with utilities, driveways, and intersection visibility. The following distances are to be ensured in the location of trees within the boulevard:
 - Not less than 1.0 metre from underground utilities, driveways, sidewalks, curbs, and utility pedestals.
 - Not less than 3.0 metres from hydro transformers and fire hydrants.
 - Not less than 0.9 metres from underground gas utilities.
 - Not less than 3.0 metres from light poles for smaller ornamental/flowering and columnar street tree species. Not less than 5.0 metres from light poles for regular-sized street tree species.
 - Not less than 10.0 metres from stop signs, subject to the approval of the City's Engineering Dept.
- Tree Conditions**
4.1 All trees must meet the highest standard of the Canadian Nursery Trades Associations Standard for Nursery Stock.
4.2 All trees shall have only one un-pruned and undamaged central leader. The branching shall be evenly spaced. Minimum Height to first branch 1.8m.
4.3 Trees shall not exhibit any mechanical damage (straight trunk clear of any defects).

- All trees must contain the tags regarding species, variety and source of the plant material by the Nursery.
- All root balls must be firm and securely wrapped in natural fibre and tied with biodegradable twine.
- Trees which adapt only to Spring planting will not be accepted for Fall plantings.
- Trees exhibiting weak graft unions will not be accepted.
- Previous two years twig or shoot elongation must be present as typical for any species.
- All plant material must be wrapped for transport, and must be removed prior to inspection on site.
- Only stock which has been certified, by the Nursery, as having been root pruned within the previous 36 months shall be accepted.
- Implementation**
5.1 All trees to be inspected upon delivery to subdivision by the Forestry Department and acceptability is at their discretion. Request for inspection should be made through Parks Development Department.
5.2 No planting holes will be deeper than the overall soil ball and the tree shall be planted with the rootball 75mm to 100mm above grade. Trees will be placed so that main lateral branches are oriented away from the road.
5.3 All trees must be thoroughly watered (15 to 20 gallons) at planting and on a monthly basis between the 15th of May and the 30th of November each year, until assumption. The water should be applied slowly to prevent erosion and runoff. This shall be certified by the Consultant at the time of request for the commencement of the Guarantee Maintenance period and again at Assumption.
5.4 Deciduous trees are to be wrapped for the first year with burlap strip wrapping. Coniferous trees are to be wrapped for the first year with burlap wrapping. The City may require the wrap to be removed and replaced, by the Owner, during inspection periods.
5.5 All trees are to receive an appropriate Spring and Fall application of slow release granular balanced (18-18-18) fertilizer (25% SCU). Application rate 170 grams per 50mm cal. Tree. This shall be certified by the consulting landscape architect at the time of request for the commencement of the Guarantee Maintenance period and again at Assumption.
5.6 The City may direct the Owner to apply a Chlorosis treatment. This shall be certified by the consulting landscape architect at the time of request for the commencement of the Guarantee Maintenance period and again at Assumption.
5.7 All trees must be covered and kept in a moist condition if delivery and installation exceeds three hours.
5.8 No wound dressing shall be applied to pruning cuts.
5.9 No alteration to planting sites by third parties shall be accepted by the City.
- Certification Guarantee Maintenance Certification**
The consultant is to certify that all:
 - Plant material was installed as per the details and specifications;
 - Plant material is healthy condition for acceptance and in the ground 12 months;
 - Landscape elements have been installed as per the details and specifications; and
 - As-builts are supplied (4 sets).

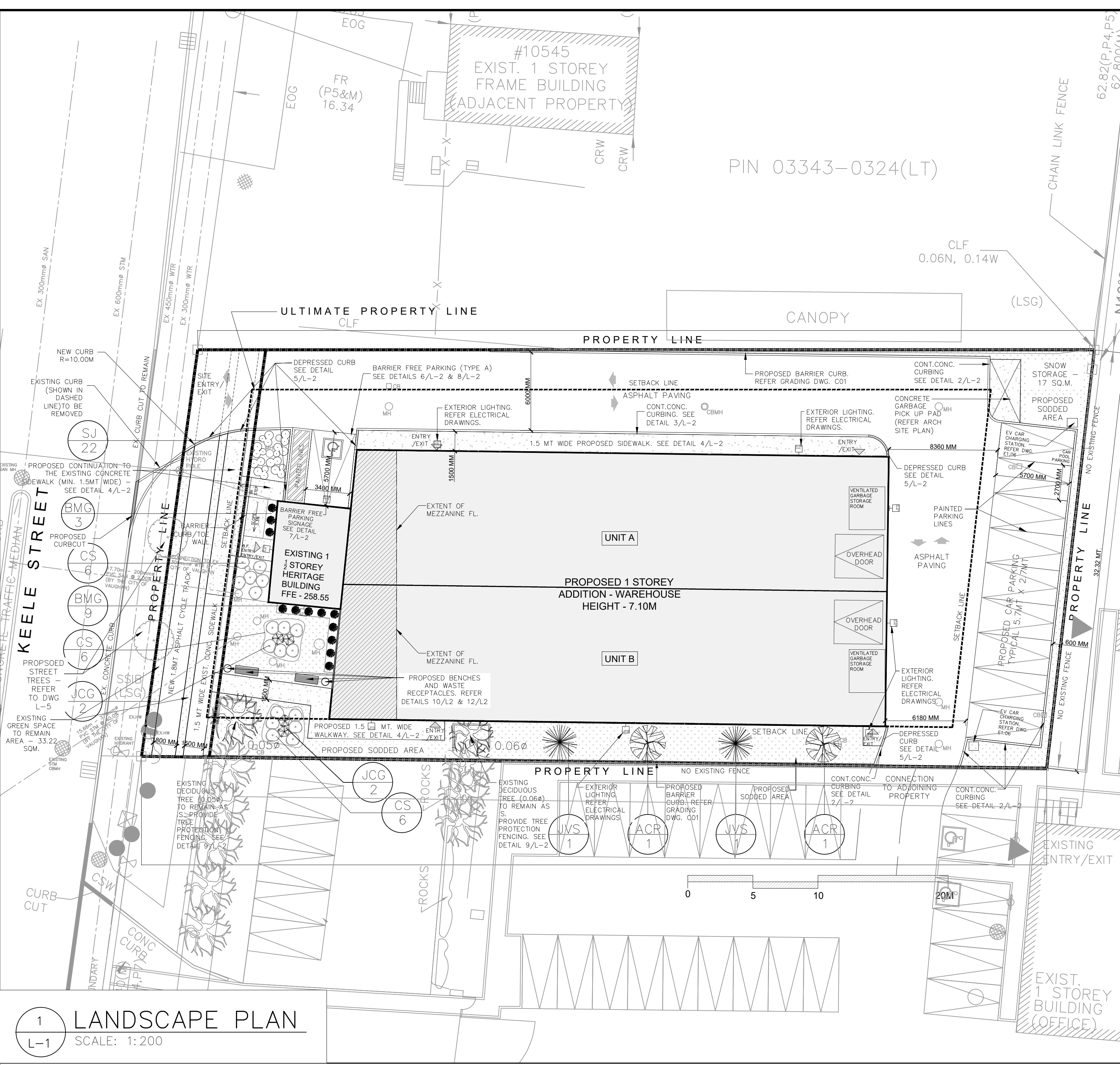
Contractor must check and verify all dimensions and be responsible for same, reporting any discrepancies to the Engineer before commencing work.
Prints shall not be used for construction until signed "Approved For Construction" by the Engineer.
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All drawings, prints and specifications are the property of the Engineer and shall be returned to him on completion of the work.
All work shall be performed in accordance with the latest edition of the ONTARIO BUILDING CODE, NATIONAL BUILDING CODE and regulatory regulations of the CITY OF VAUGHAN Building Department.
These notes are to be read in conjunction with all drawings and specifications.

The Contractor shall check all dimensions and other data from the job and report any discrepancies to the Architects before proceeding.

No.	Date	Revision	D'wn.	Ch'd.
1	APR01-24	ISSUED FOR COORDINATION	S.A.	J.R.
2	APR18-24	ISSUED FOR PERMIT	S.A.	J.R.
3	OCT25-24	RE-ISSUED FOR PERMIT CHANGES AS PER ARCH - CHANGE IN LANDSCAPE AREA, BICYCLE PATH, ENTRY POINT, PEDESTRIAN WALKWAY, PLANT SPECIES	S.A.	J.R.
4	APR01-25	RE-ISSUED FOR PERMIT CHANGES AS PER ARCH - CHANGE IN LANDSCAPED AREA AND SIDEWALK, SHRUBS QUANTITY, ADDED NOTES AS PER CITY'S COMMENTS.	S.A.	J.R.

NOTE: A MINIMUM 300 MM TOP SOIL DEPTH TO BE PROVIDED ACROSS THE ENTIRE SITE (EXCLUDING PAVED SURFACES)

ANY DAMAGE WHICH OCCURS TO THE EXISTING REGIONAL ROAD'S STREETSCAPE TREATMENT ON KEELE STREET DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL OR BETTER CONDITION AT THE OWNER'S EXPENSE.



1 LANDSCAPE PLAN
L-1 SCALE: 1:200

PLANTING LIST EVERGREEN TREES

SYMBOL	ABBR.	BOTANICAL NAME	COMMON NAME	HEIGHT	QTY.
	JVS	JUNIPERUS VIRGINIANA	SKY ROCKET JUNIPER	2.50m	2

DECIDUOUS TREES

SYMBOL	ABBR.	BOTANICAL NAME	COMMON NAME	CALIPER	QTY.
	ACR	ACER REBRUM	COLUMNARE RED MAPLE (NATIVE & POLLINATOR)	60mm	2

NOTE:
30 cu.m. OF SOIL VOLUME ARE REQUIRED FOR SINGLE TREE PITS AND
20 cu.m. ARE REQUIRED FOR SHARED PLANTING BEDS.

CONIFEROUS SHRUBS

SYMBOL	ABBR.	BOTANICAL NAME	COMMON NAME	HEIGHT/SPREAD	QTY.
	JCG	JUNIPERUS CHINENSIS	GOLD COAST JUNIPER	60cm	4
	BMG	BUXUS X 'GREEN MOUNTAIN'	GREEN MOUNTAIN BOXWOOD	60cm	12

DECIDUOUS SHRUBS

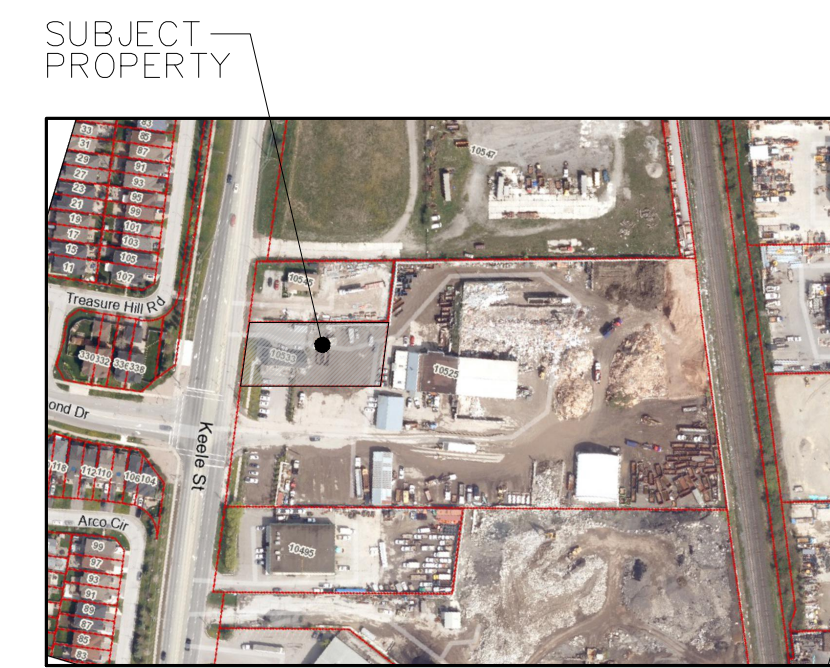
SYMBOL	ABBR.	BOTANICAL NAME	COMMON NAME	HEIGHT/SPREAD	QTY.
	CS	CORNUS SERICEA	RED OSIER DOGWOOD (NATIVE AND POLLINATOR)	80cm	18
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BOULEVARD PLANTING GENERAL NOTES

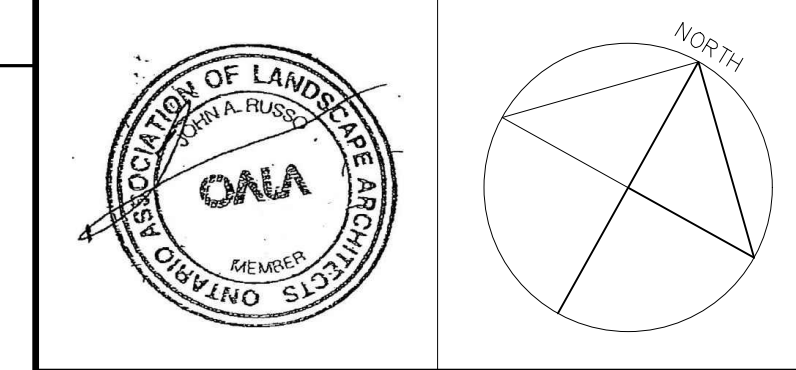
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PLAN OF SURVEY
SHOWING TOPOGRAPHICAL INFORMATION OF PART OF LOT 24 CONVESSION 3 (GEOGRAPHIC TOWNSHIP OF VAUGHAN) CITY OF VAUGHAN REGIONAL MUNICIPALITY OF YORK

ELEVATION
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO CITY OF VAUGHAN BENCH MARK No. 105090140 HAVING AN ELEVATION OF 240.744 METERS.



2 KEY PLAN
L-1 SCALE: N.T.S

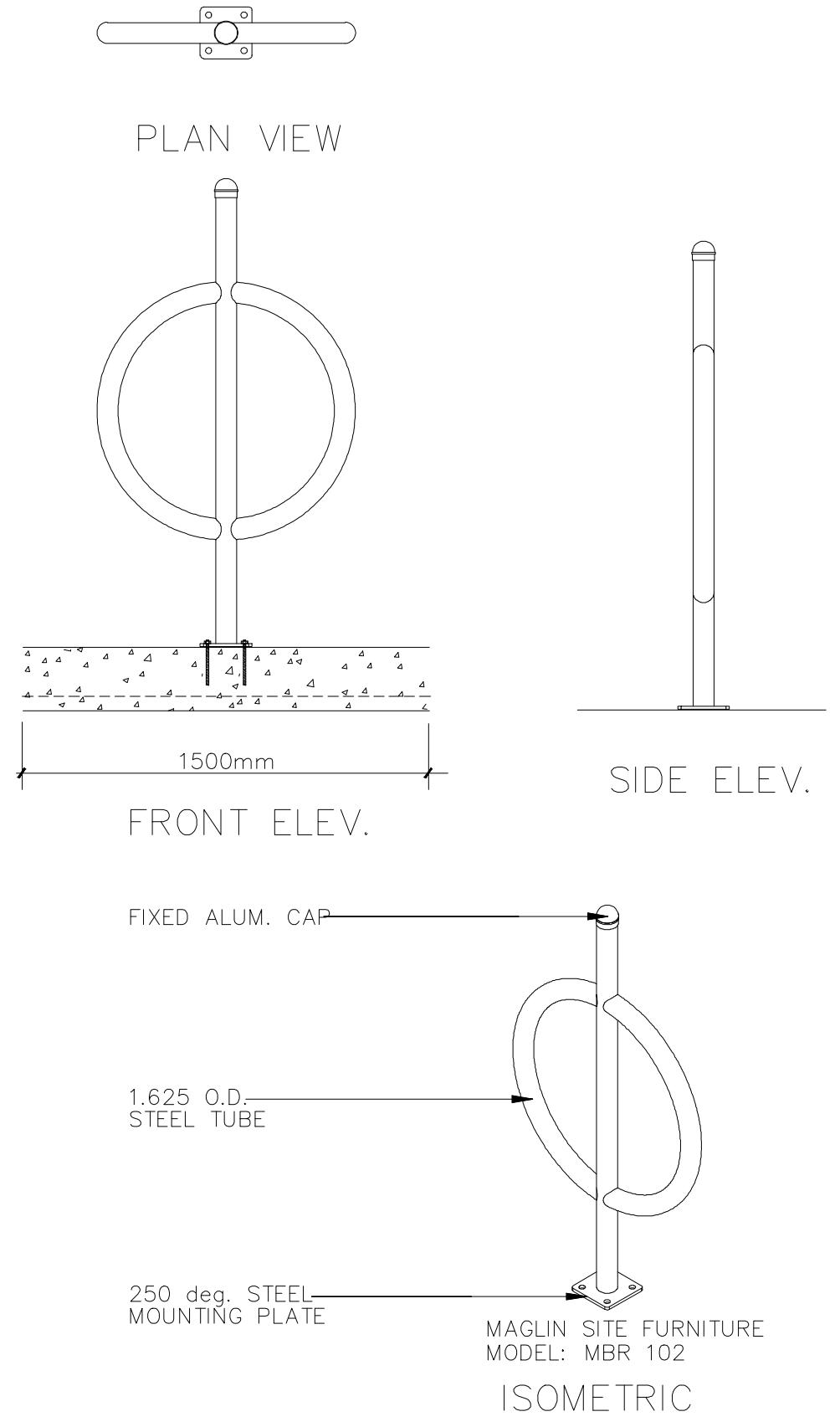


JOHN A. RUSSO
LANDSCAPE ARCHITECT
11 CURTIS COURT
MAPLE, ONT.
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Project:
PROPOSED:
INDUSTRIAL WAREHOUSE ALTERATIONS & ADDITIONS
10533 KEELE STREET, MAPLE VAUGHAN, ONTARIO

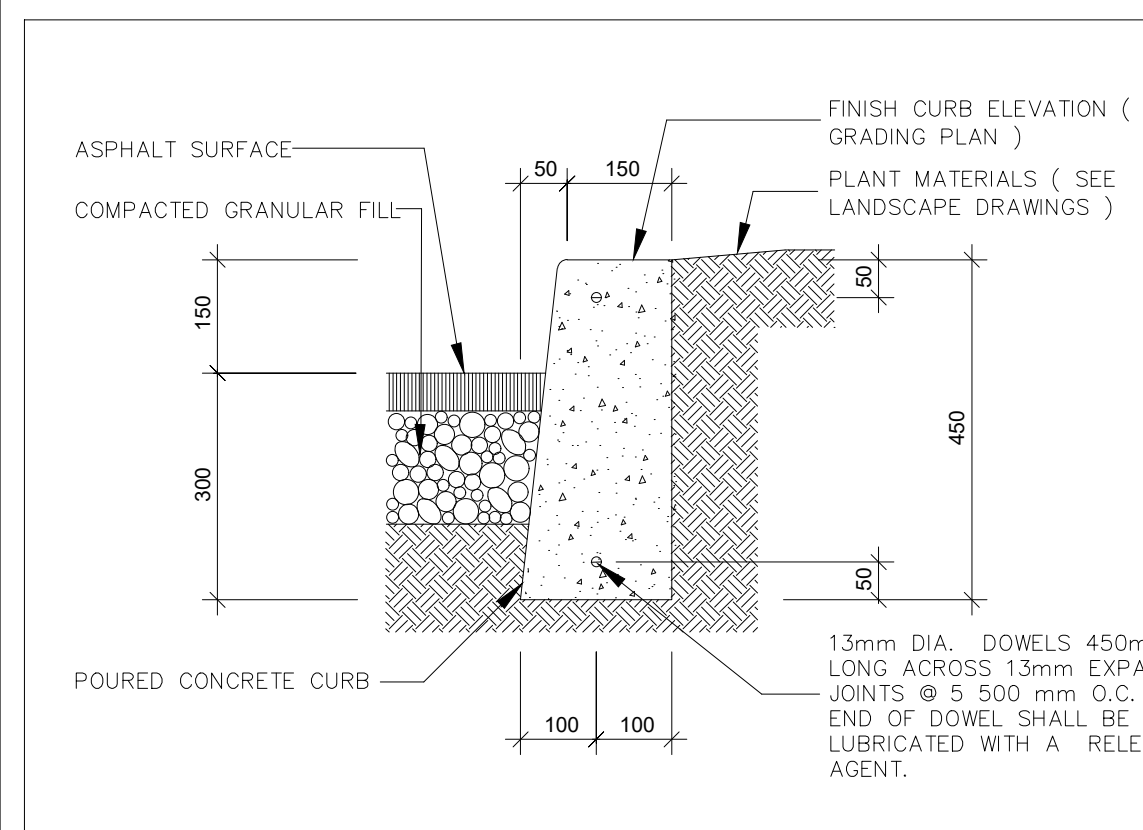
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Scale: NOTED Date: MARCH 2024 D'wg. no. 24-020
Drawn: S.A. Checked: J.R. L-1

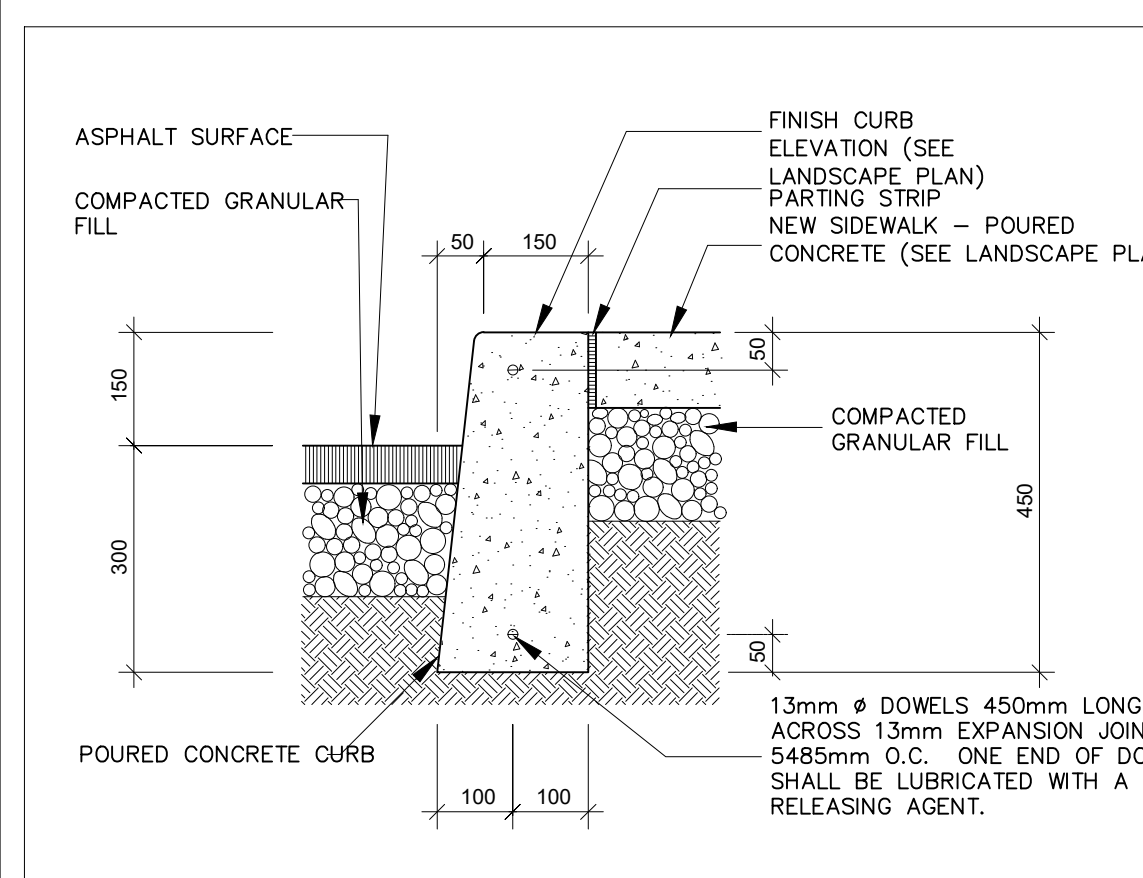


NOTES:
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWINGS.
 3. IMAGES MAY NOT BE EXACTLY AS ILLUSTRATED.

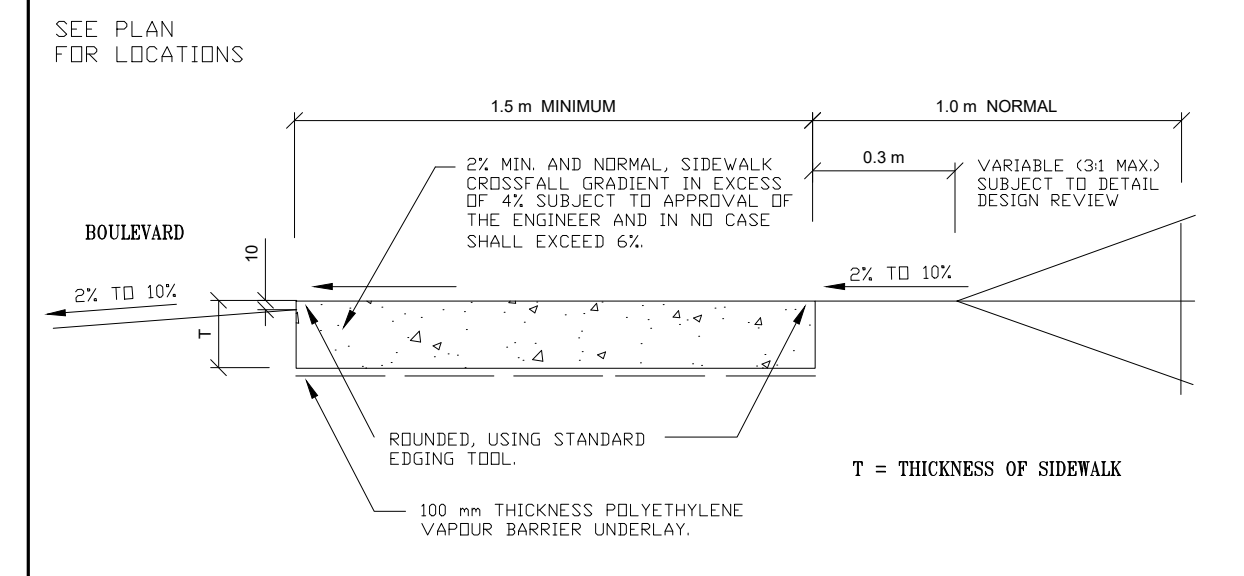
1 BICYCLE RACK DETAIL
 L-2 SCALE: N.T.S.



2 CONCRETE CURB DETAIL
 L-2 SCALE: 1:10



3 CONCRETE CURB/SIDEWALK
 L-2 SCALE: 1:10

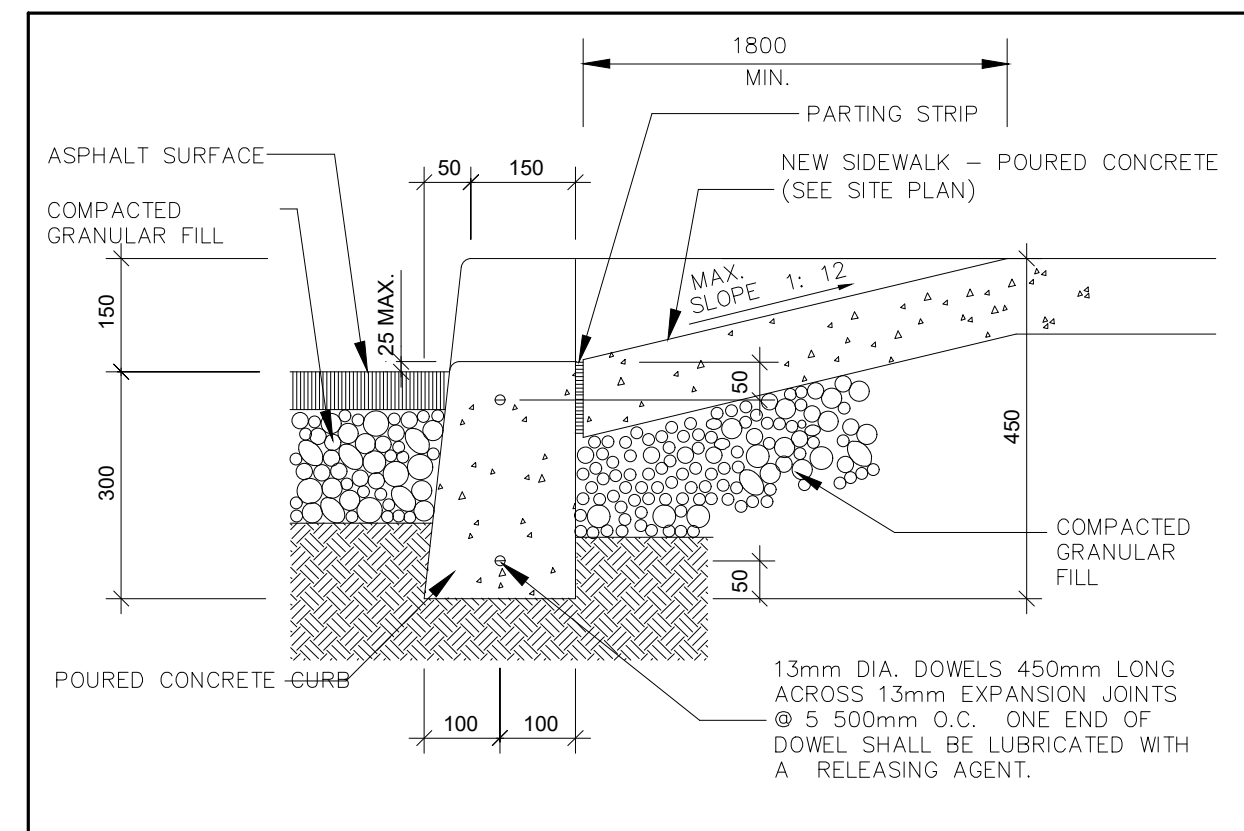


CONCRETE SIDEWALK DETAIL

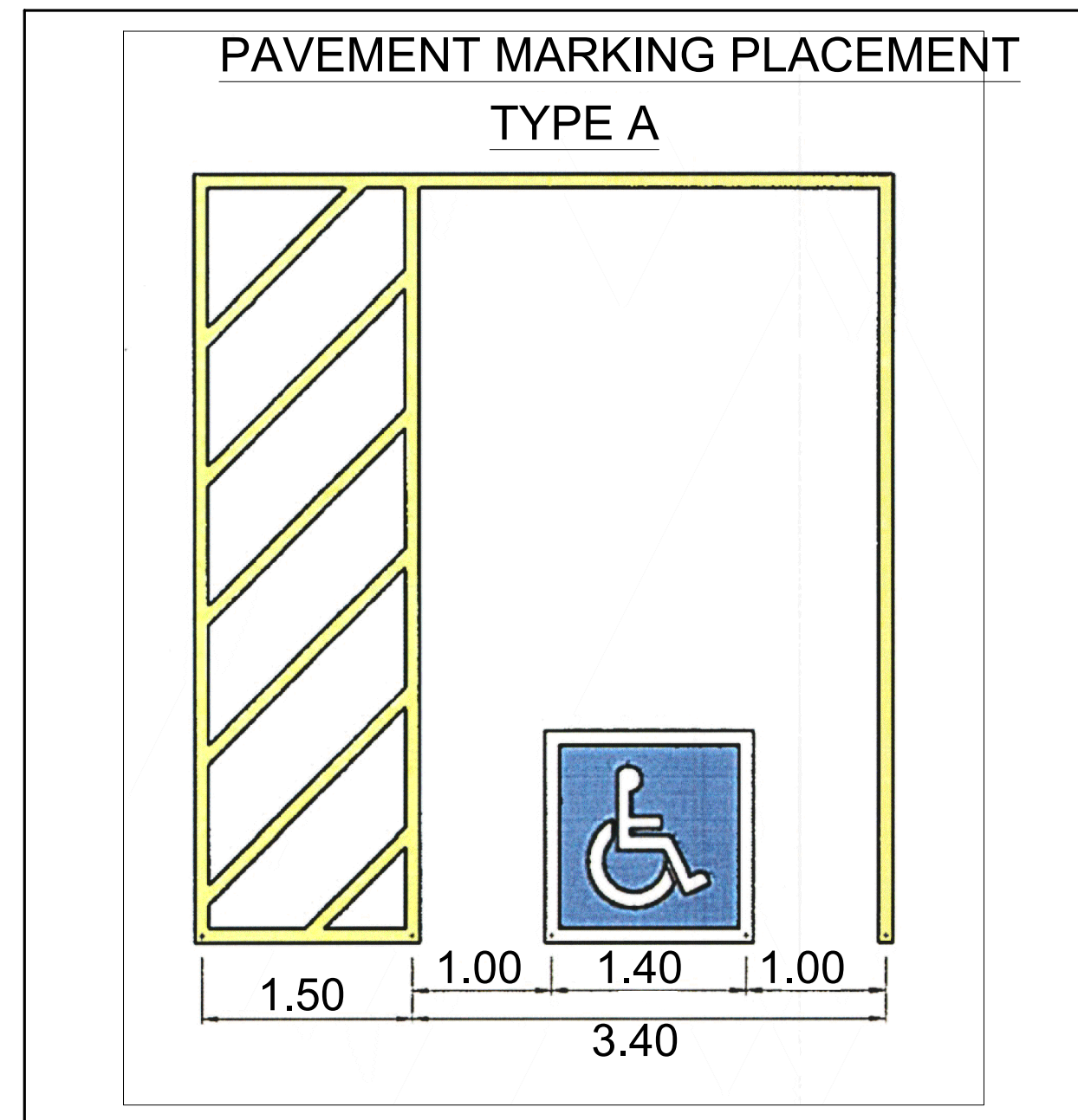
THICKNESS TABLE	
LOCATION OR USE	THICKNESS T (mm)
NORMAL SIDEWALK	100
ACROSS RESIDENTIAL DRIVEWAYS AND OTHER LOCATIONS AS SPECIFIED	150
ACROSS COMMERCIAL AND INDUSTRIAL DRIVEWAYS	200

NOTES:
 1. CONCRETE TO BE 25 MPa COMPRESSIVE STRENGTH WITH 6% ± 1% PURPOSELY ENTRAINED AIR AND NOT LESS THAN 325 KG/CU M OF CEMENT. MAXIMUM SLUMP SHALL BE 75 MM.
 2. IMMEDIATELY AFTER FINISHING WITH WOODEN FLOAT, ALL WALLS, CURBS, AND WALLS SHALL BE SPRAYED WITH WHITE PIGMENTED MEMBRANE CURING COMPOUND CONFORMING WITH M.T.C. FORM 1315 AND AS APPROVED BY THE M.T.C.
 3. EXPANSION JOINTS SHALL BE LOCATED ADJACENT TO EXISTING STRUCTURES (BUILDINGS, WALLS, HYDRANTS, ETC.) AS DIRECTED BY THE ENGINEER IN THE FIELD. REFER TO STD. NO. 224.
 4. FOR LOCATION AND DETAIL OF JOINTS SEE STANDARD NO. 223.
 5. THE SIDEWALK WIDTH IS SUBJECT TO DESIGN REVIEW, WITH A MIN. WIDTH OF 1.8 M. RECOMMENDED WHERE INSTALLED CURB SIDE ON COLLECTOR OR ARTERIAL ROADS AND 2.4 M ADJACENT TO SCHOOLS, BUS STOPS AND OTHER AREAS OF HIGH PEDESTRIAN MOVEMENT.

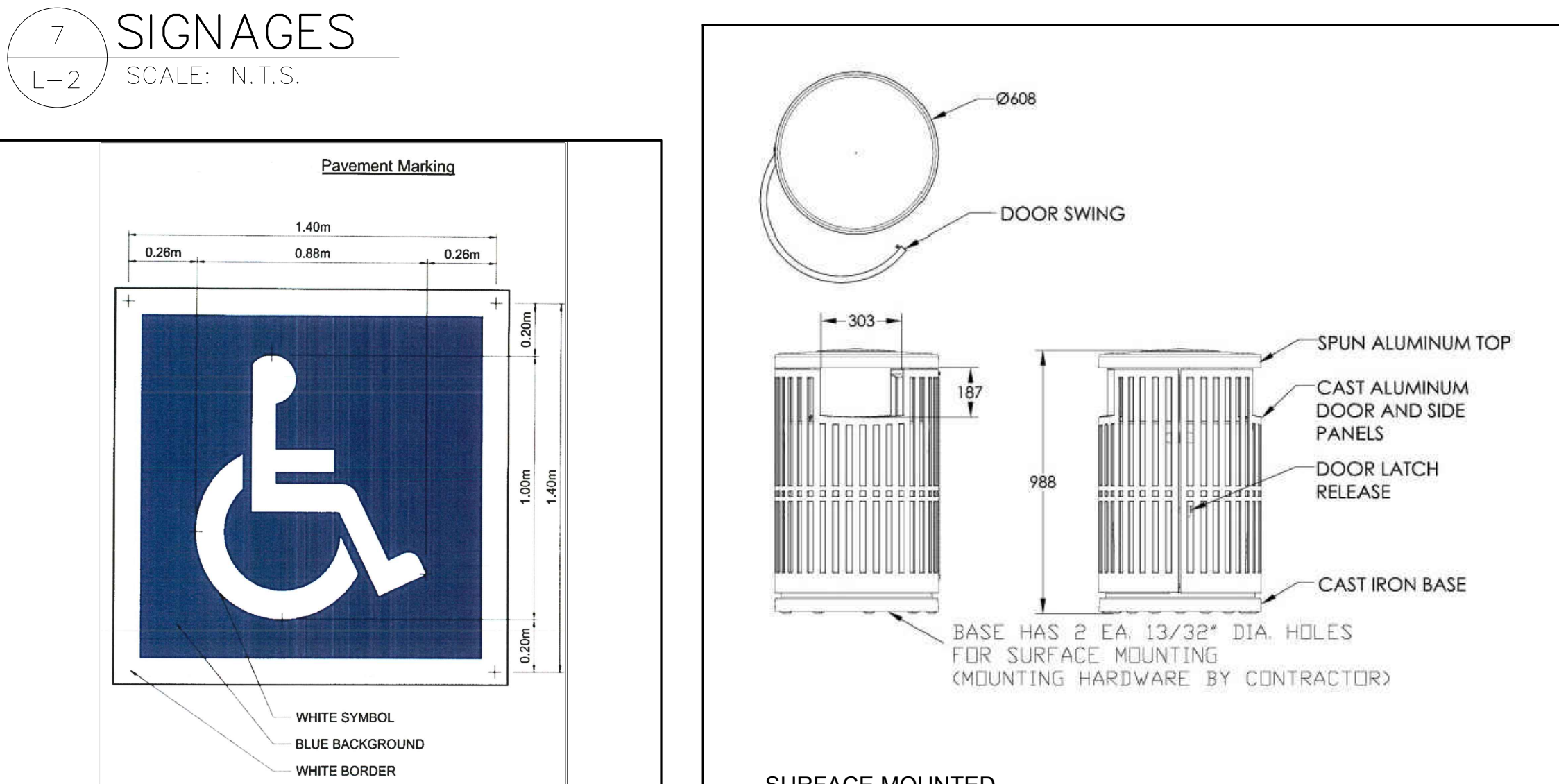
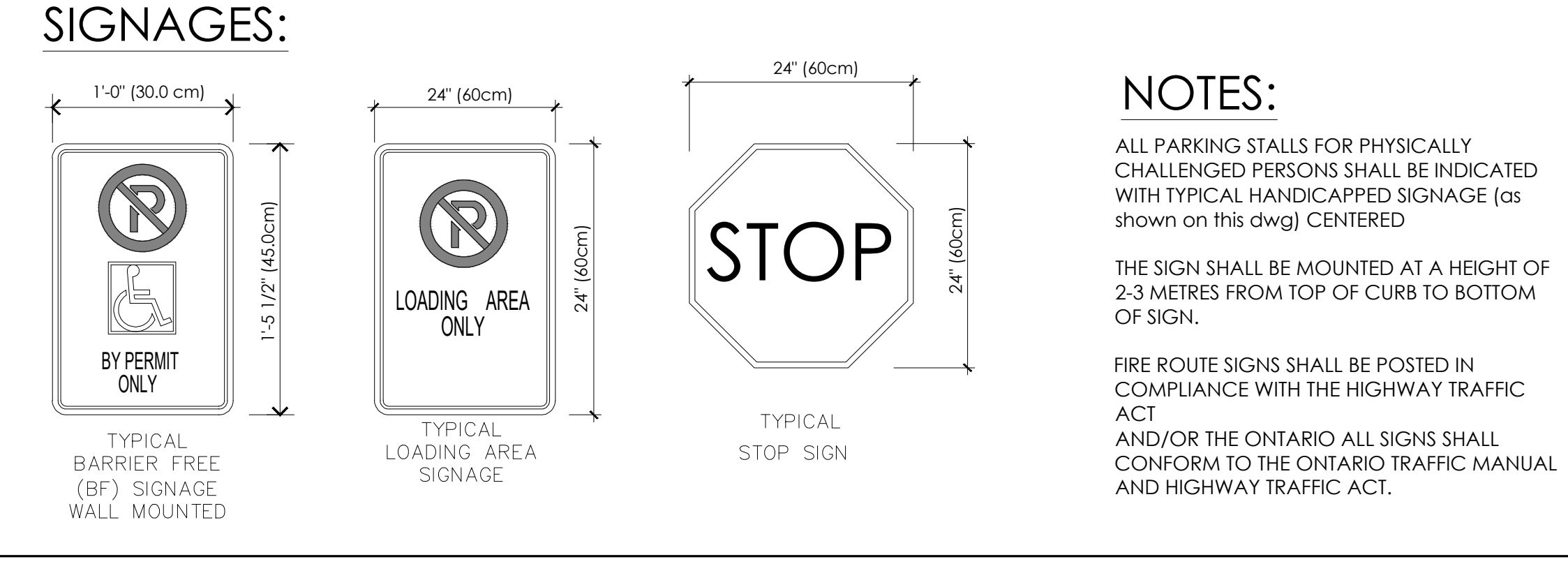
4 CONCRETE SIDEWALK
 L-2 SCALE: N.T.S.



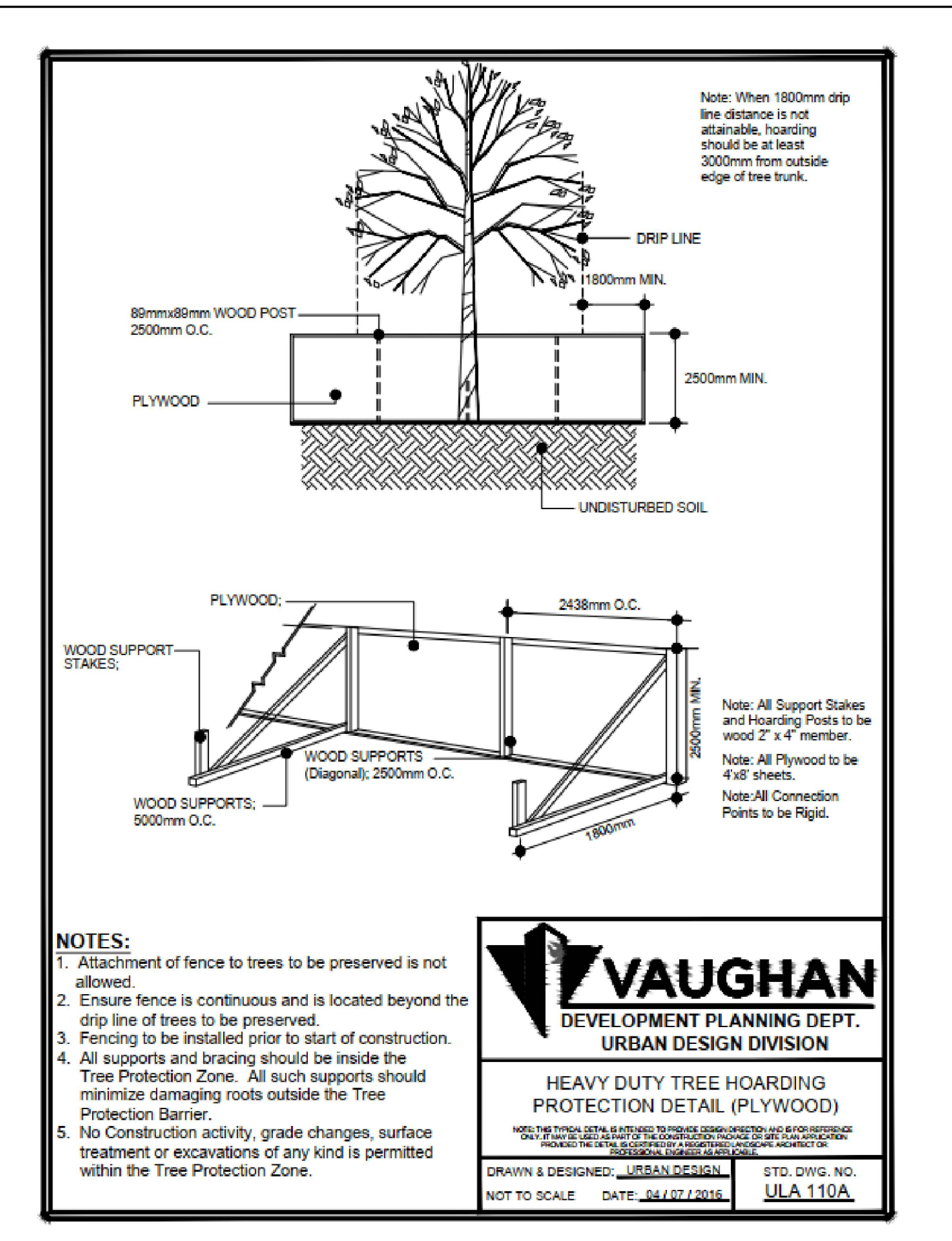
5 DEPRESSED CONC. CURB
 L-2 SCALE: 1:10



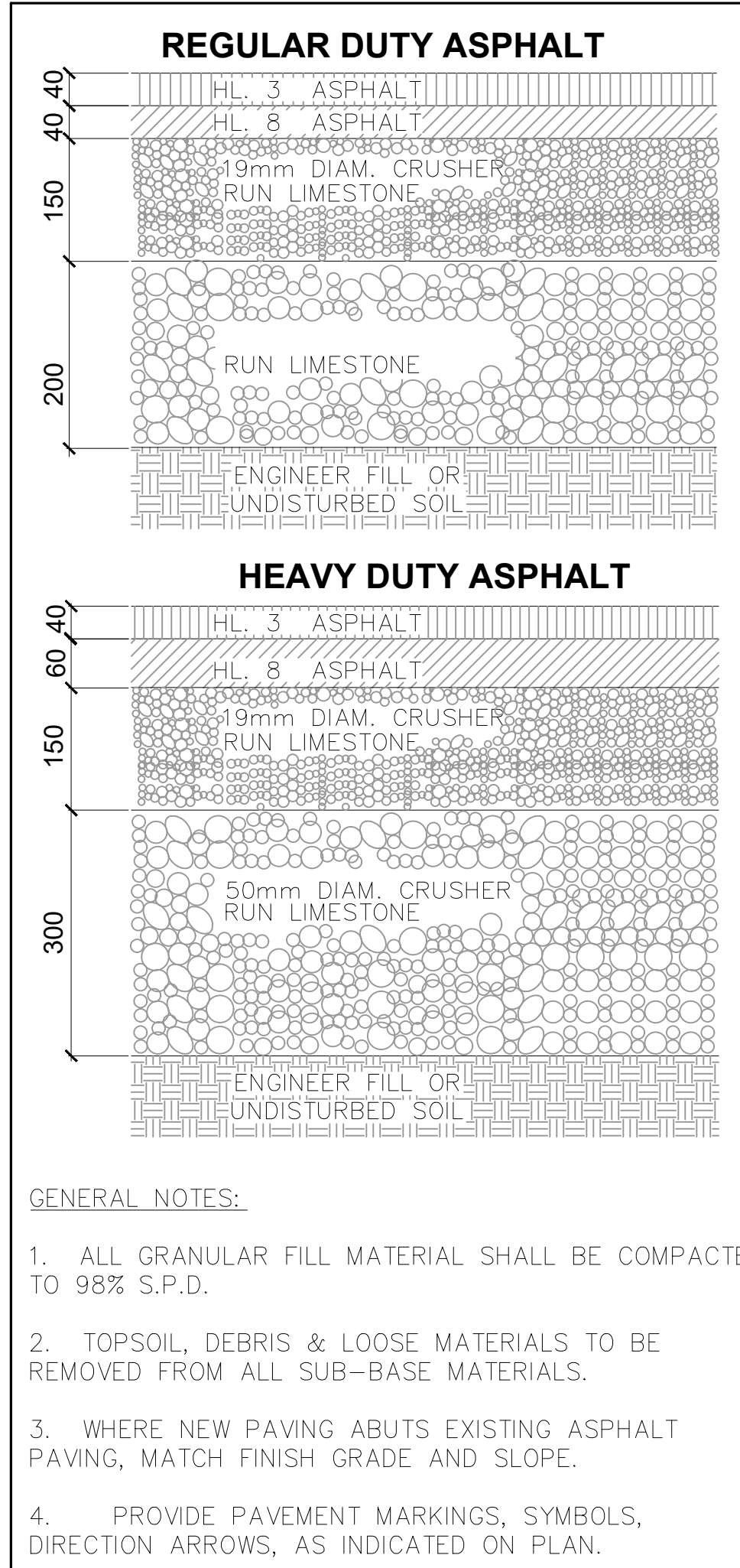
6 ACCESSIBLE PARKING TYPE "A"
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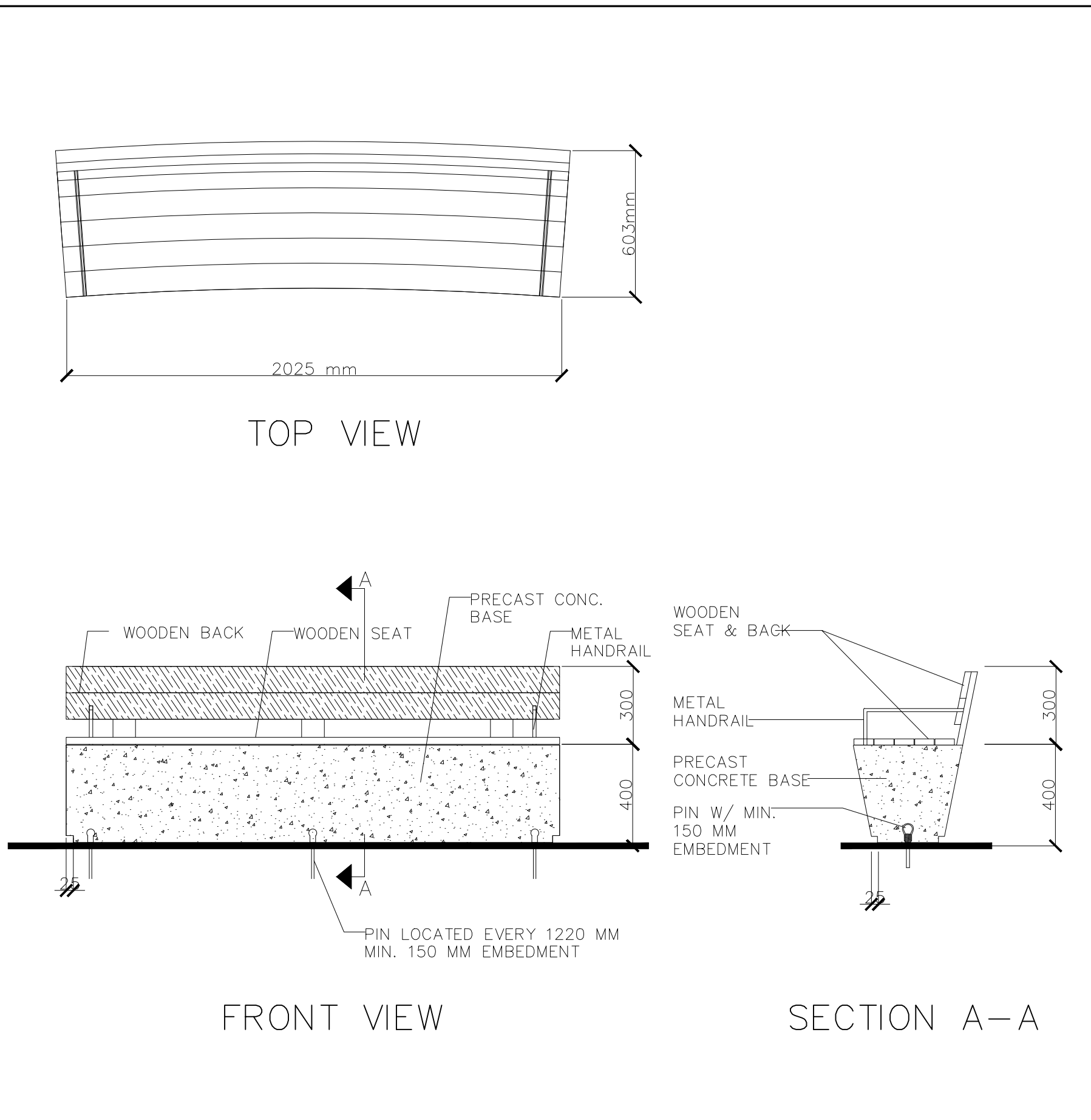
8 ACCESSIBLE PARKING MARKER DETAIL
 L-2 SCALE: N.T.S.



9 TREE PROTECTION DETAIL
 L-2 SCALE: N.T.S.



11 ASPHALT DETAILS
 L-2 SCALE: N.T.S.



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1	APR01-24	ISSUED FOR COORDINATION	N.R.	J.R.
2	APR12-24	ISSUED FOR PERMIT	N.R.	J.R.
3	OCT25-24	RE-ISSUED FOR PERMIT	S.A.	J.R.
4	APR01-25	RE-ISSUED FOR PERMIT ADDED NOTES AS PER CITY'S COMMENTS.	S.A.	J.R.

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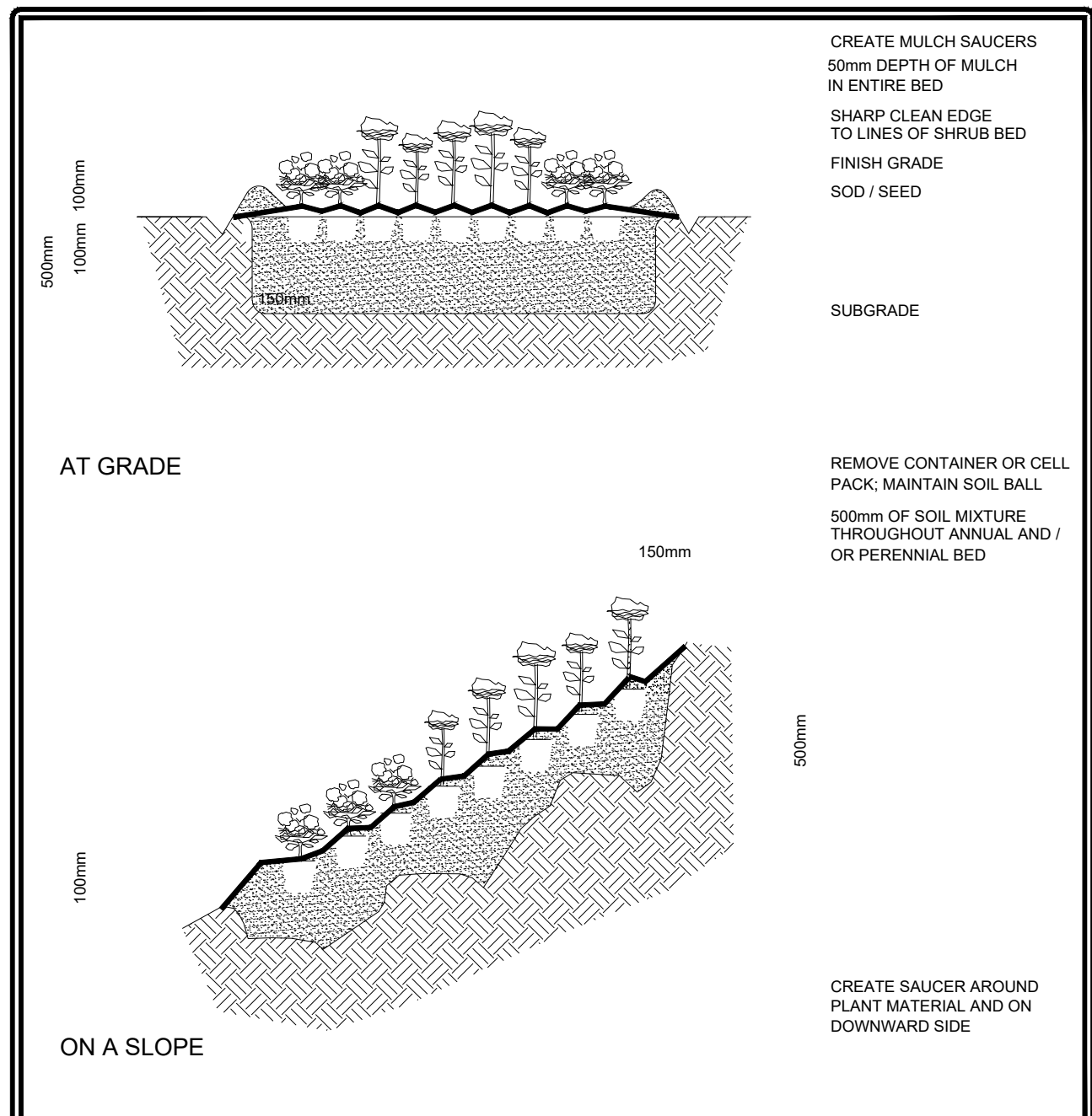


JOHN A. RUSSO
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 MAPLE, ONT.
 L6A-1Y4

Project:
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INDUSTRIAL WAREHOUSE ALTERATIONS & ADDITIONS
 10533 KEELE STREET, MAPLE VAUGHAN, ONTARIO

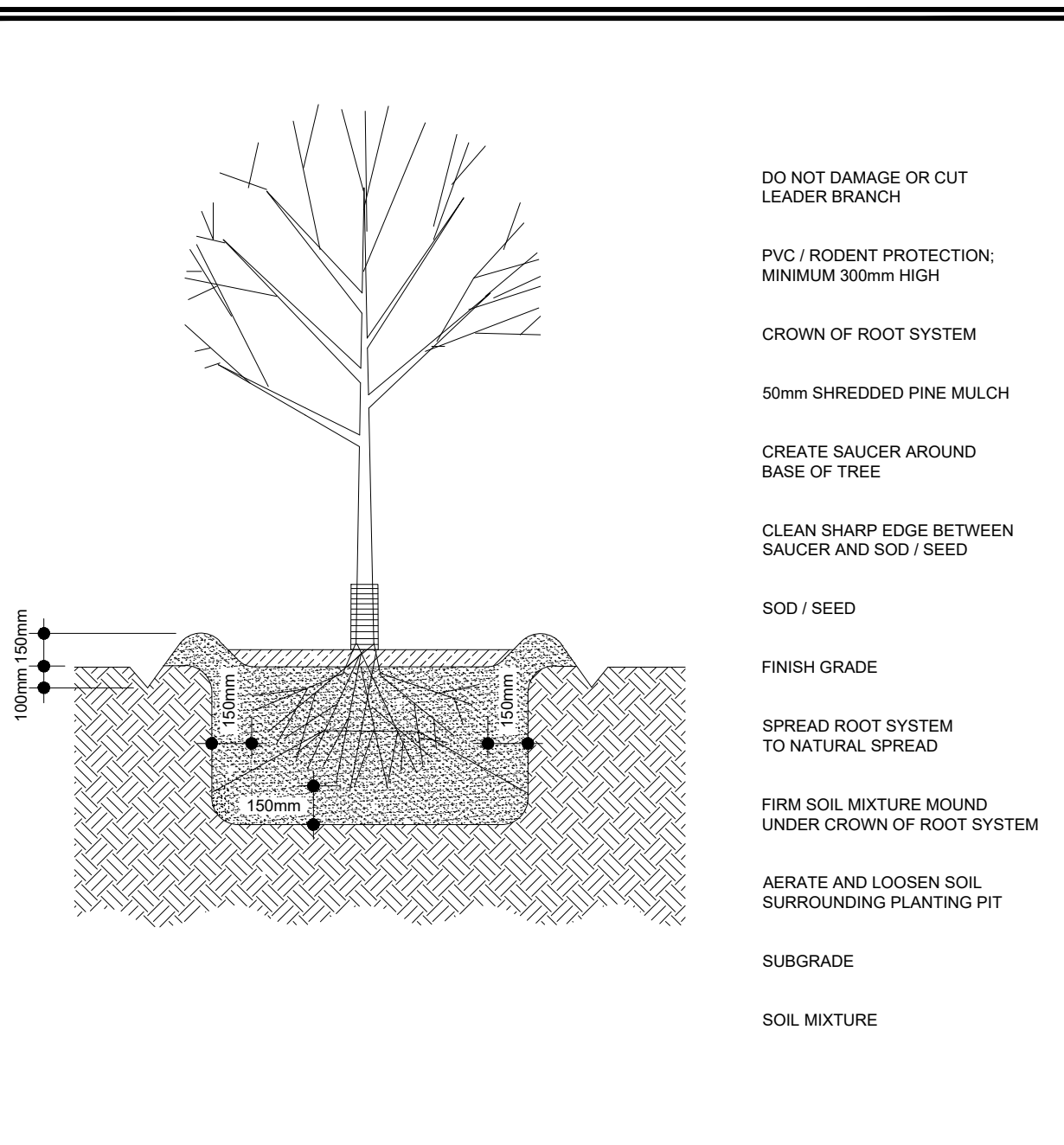
Sheet title: LANDSCAPE PLAN DETAILS	Job no. 24-020
Scale: NOTED	Date: MARCH 2024
Drawn: S.A.	Checked: J.R.

L-2



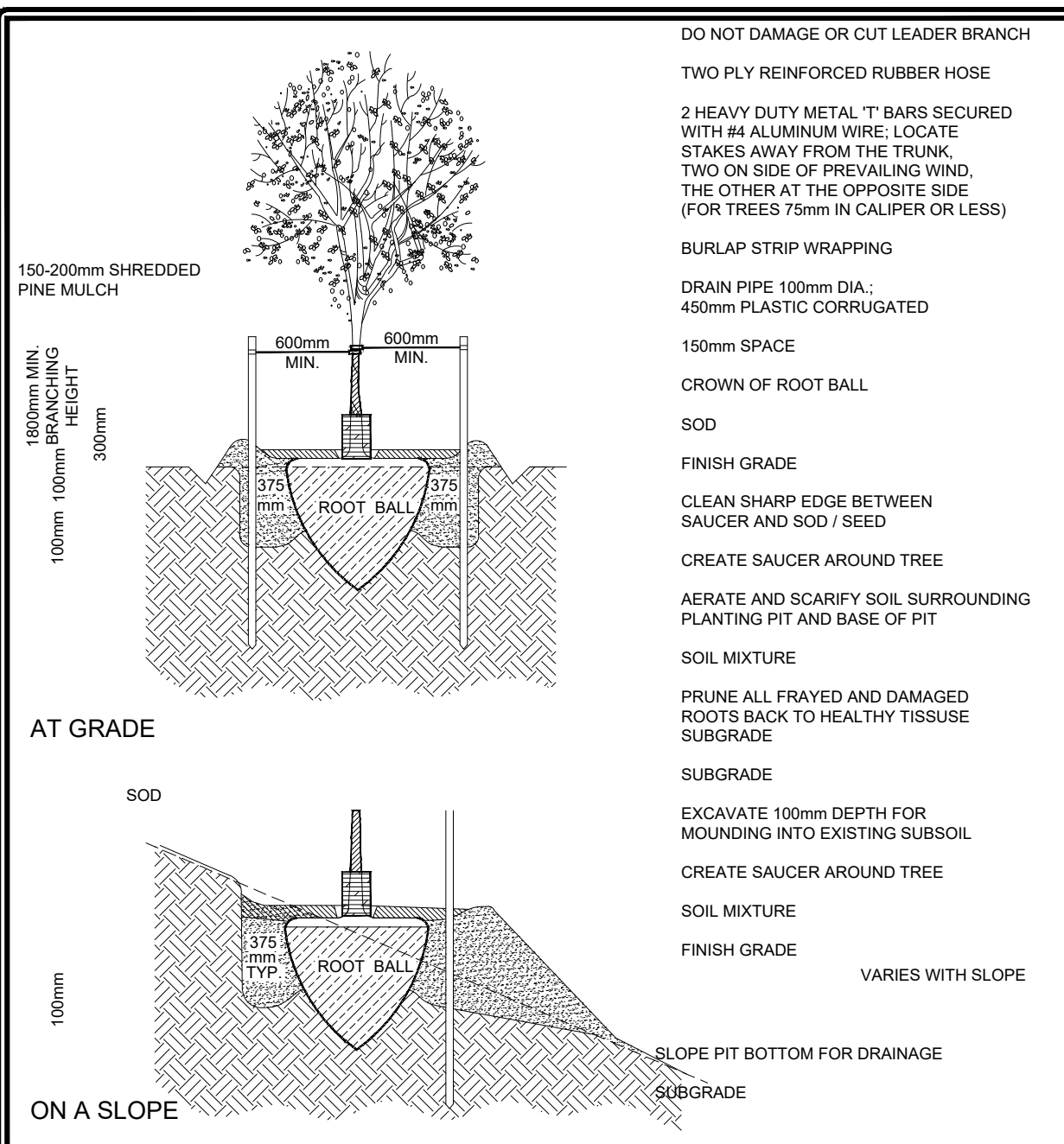
ANNUAL AND PERENNIAL PLANTING DETAIL

DRAWN & DESIGNED: _____ STD. DWG. NO. _____
 NOT TO SCALE DATE: _____



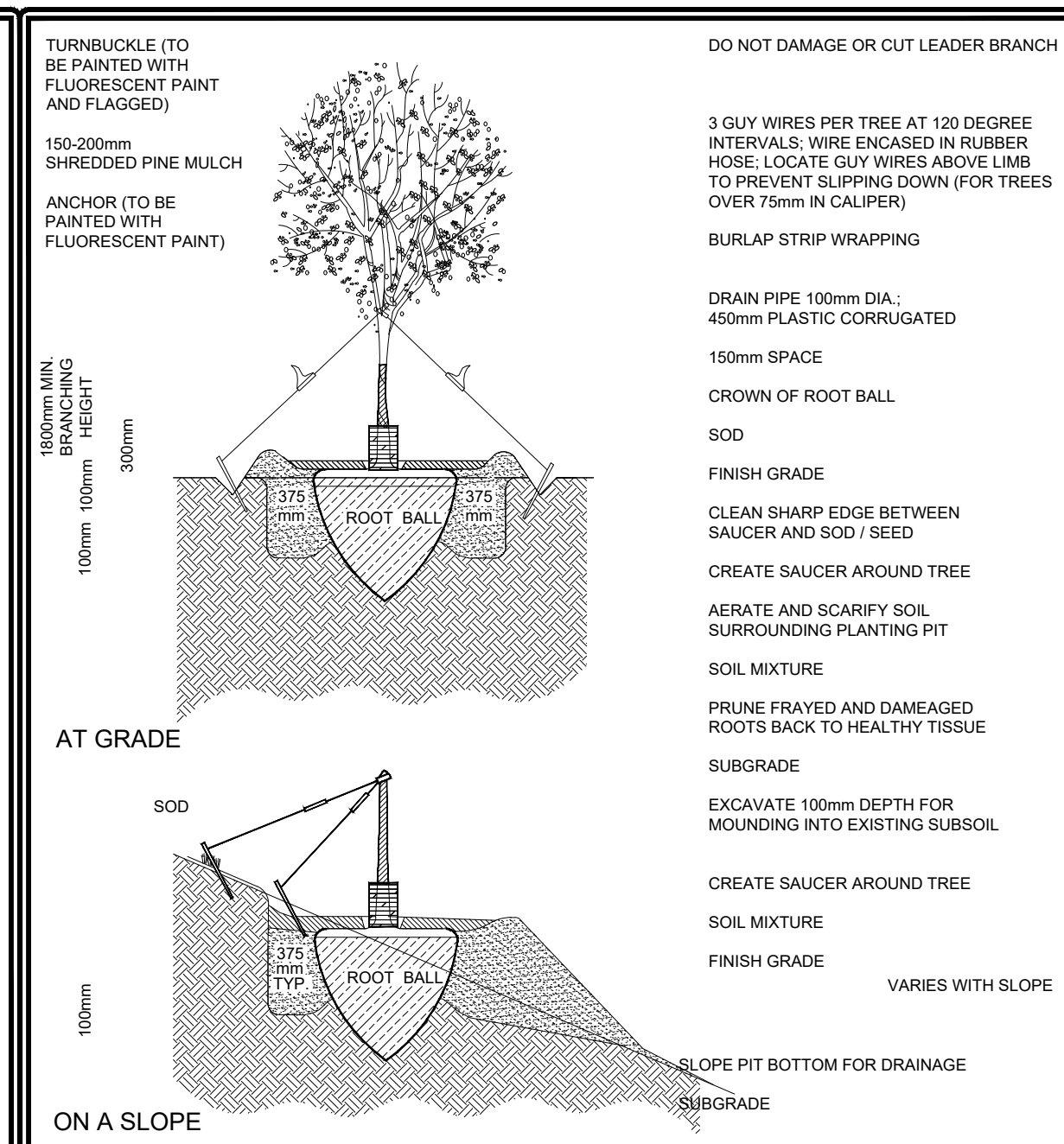
BARE ROOT TREE PLANTING DETAIL FOR TREES 30mm IN CALIPER OR LESS

DRAWN & DESIGNED: _____ STD. DWG. NO. _____
 NOT TO SCALE DATE: _____



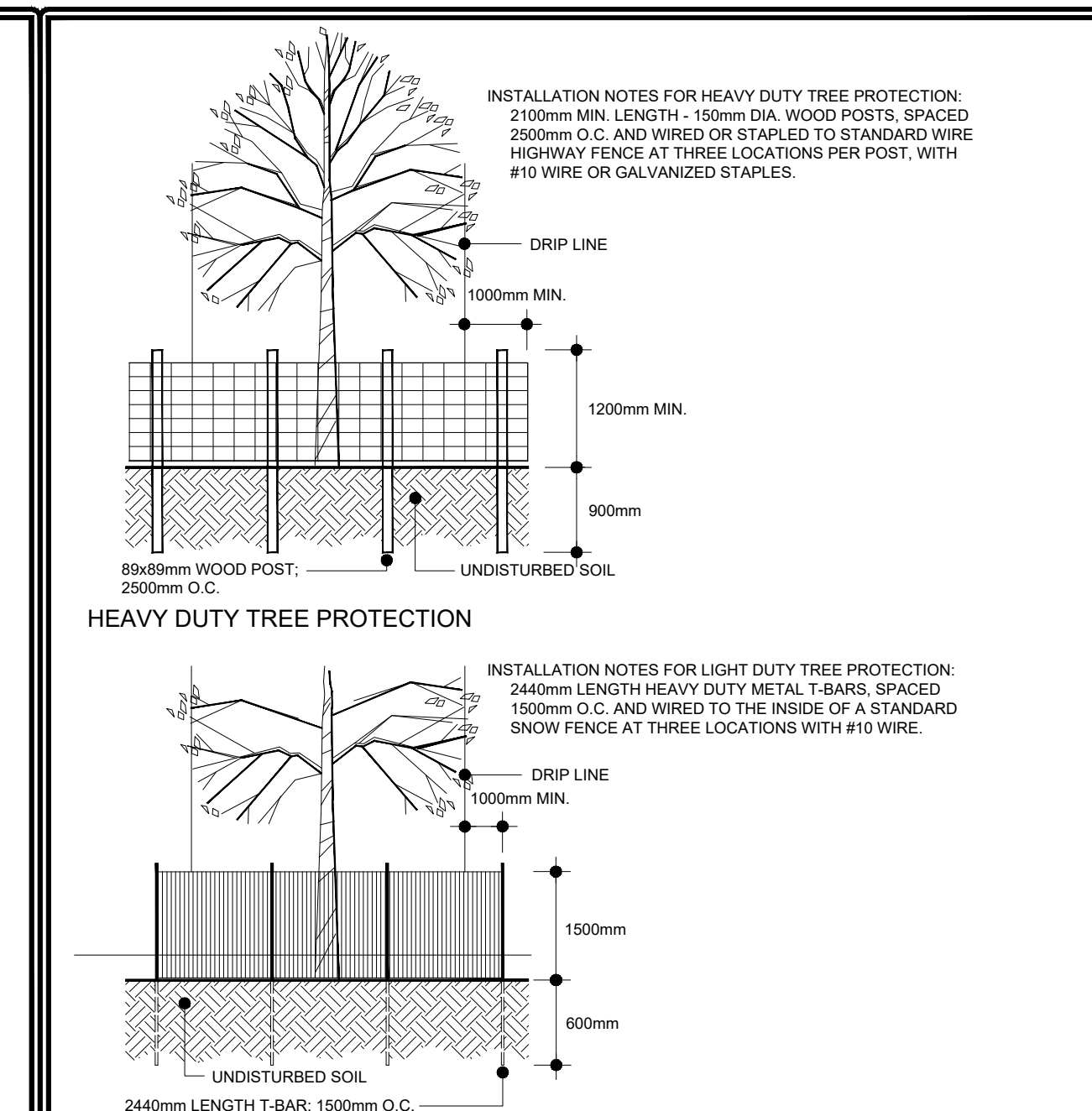
DECIDUOUS TREE SPADE DETAIL FOR TREES UNDER 75mm IN CALIPER

DRAWN & DESIGNED: _____ STD. DWG. NO. _____
 NOT TO SCALE DATE: _____



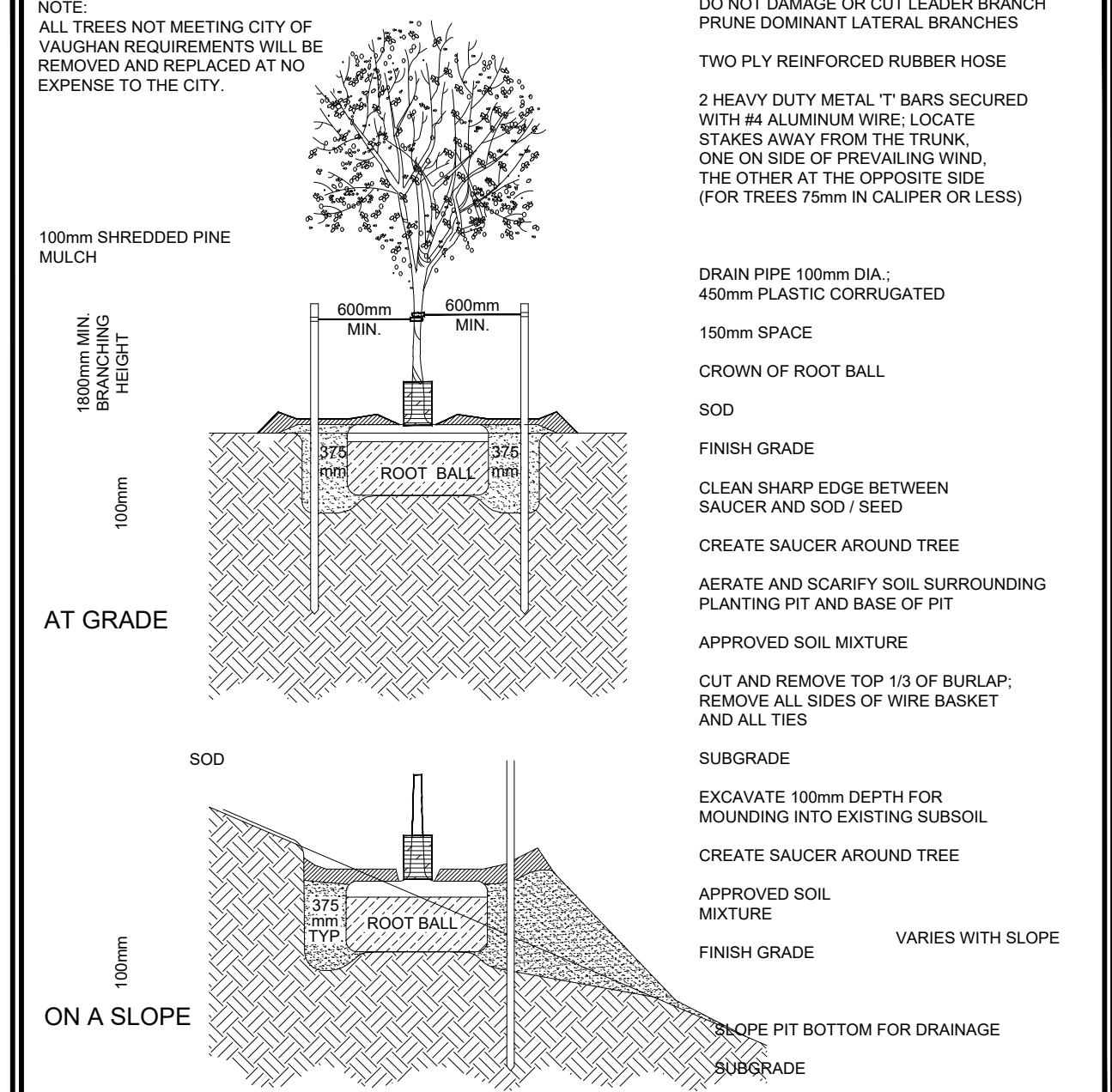
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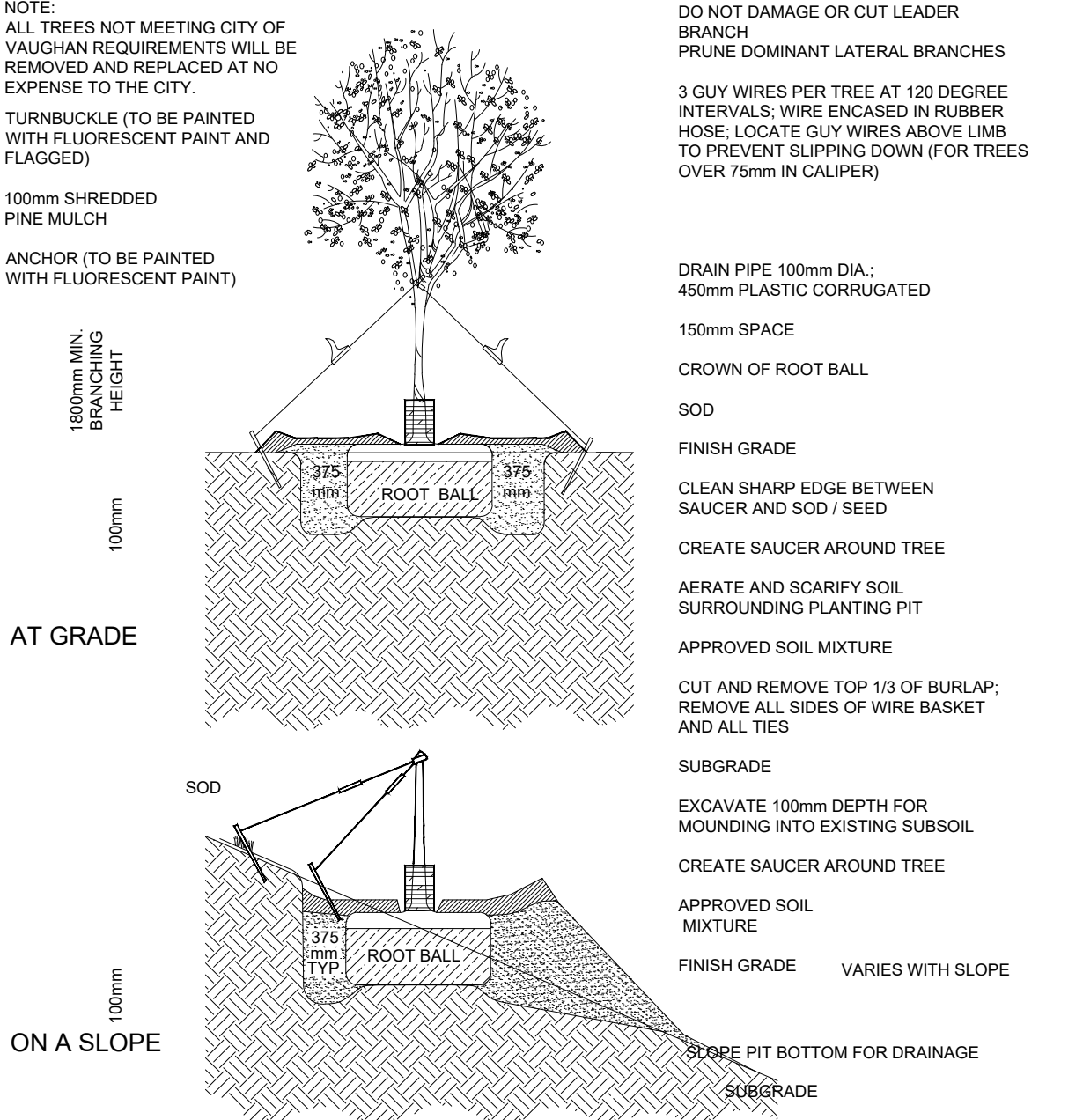
TREE PROTECTION CONSTRUCTION FENCING DETAIL

DRAWN & DESIGNED: _____ STD. DWG. NO. _____
 NOT TO SCALE DATE: _____



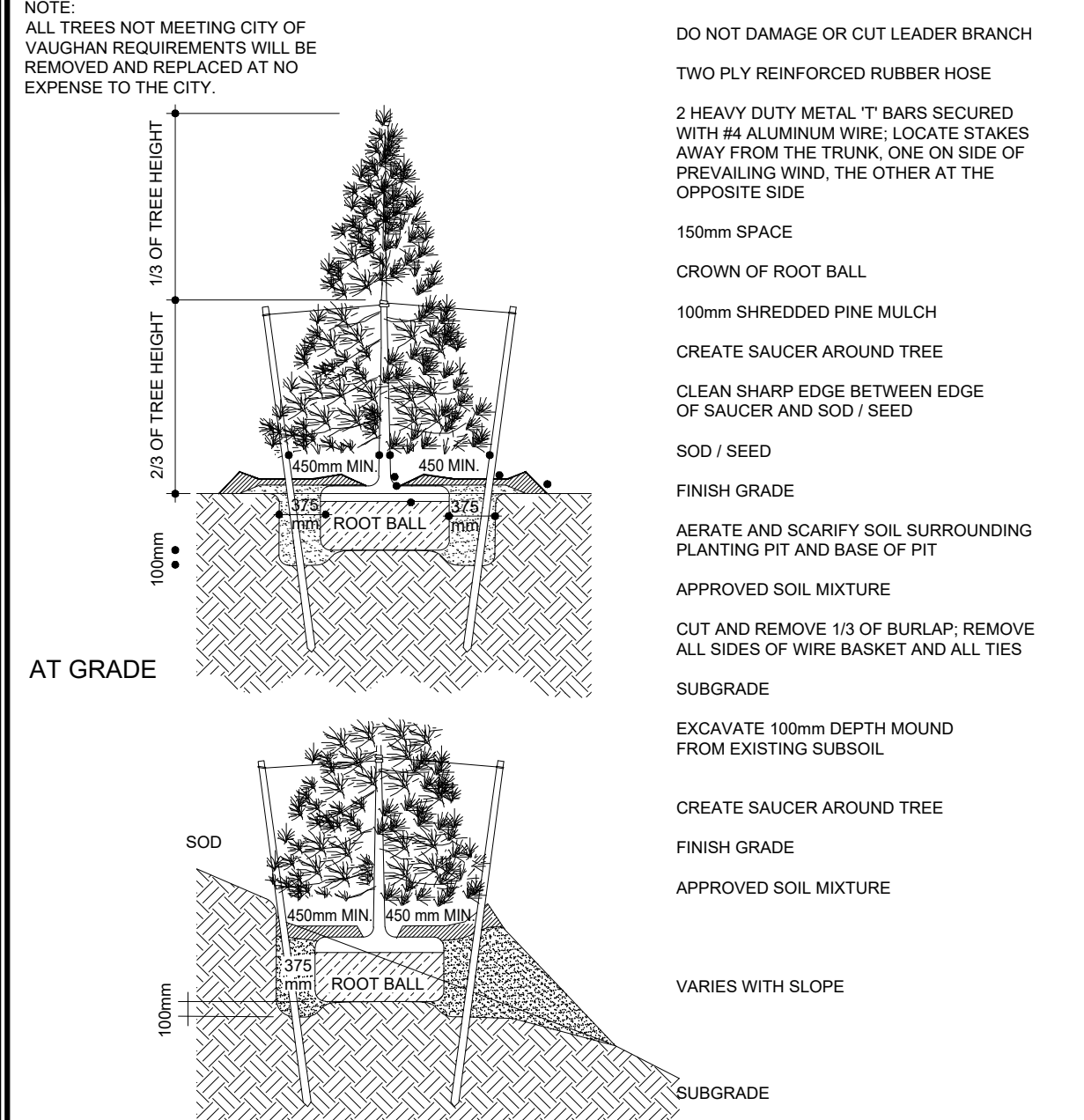
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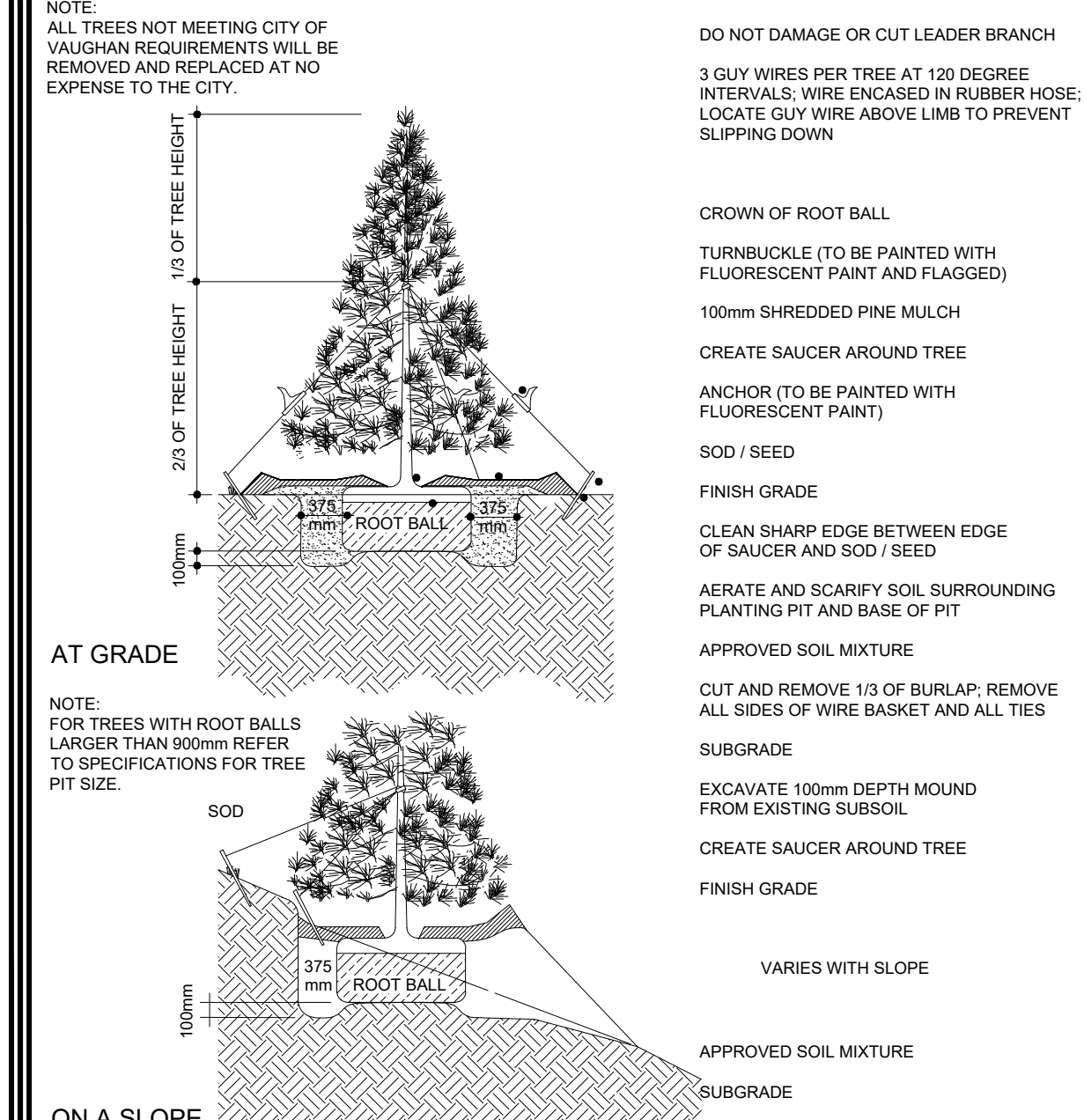
DECIDUOUS TREE PLANTING DETAIL FOR TREES OVER 75mm IN CALIPER

DRAWN & DESIGNED: _____ STD. DWG. NO. _____
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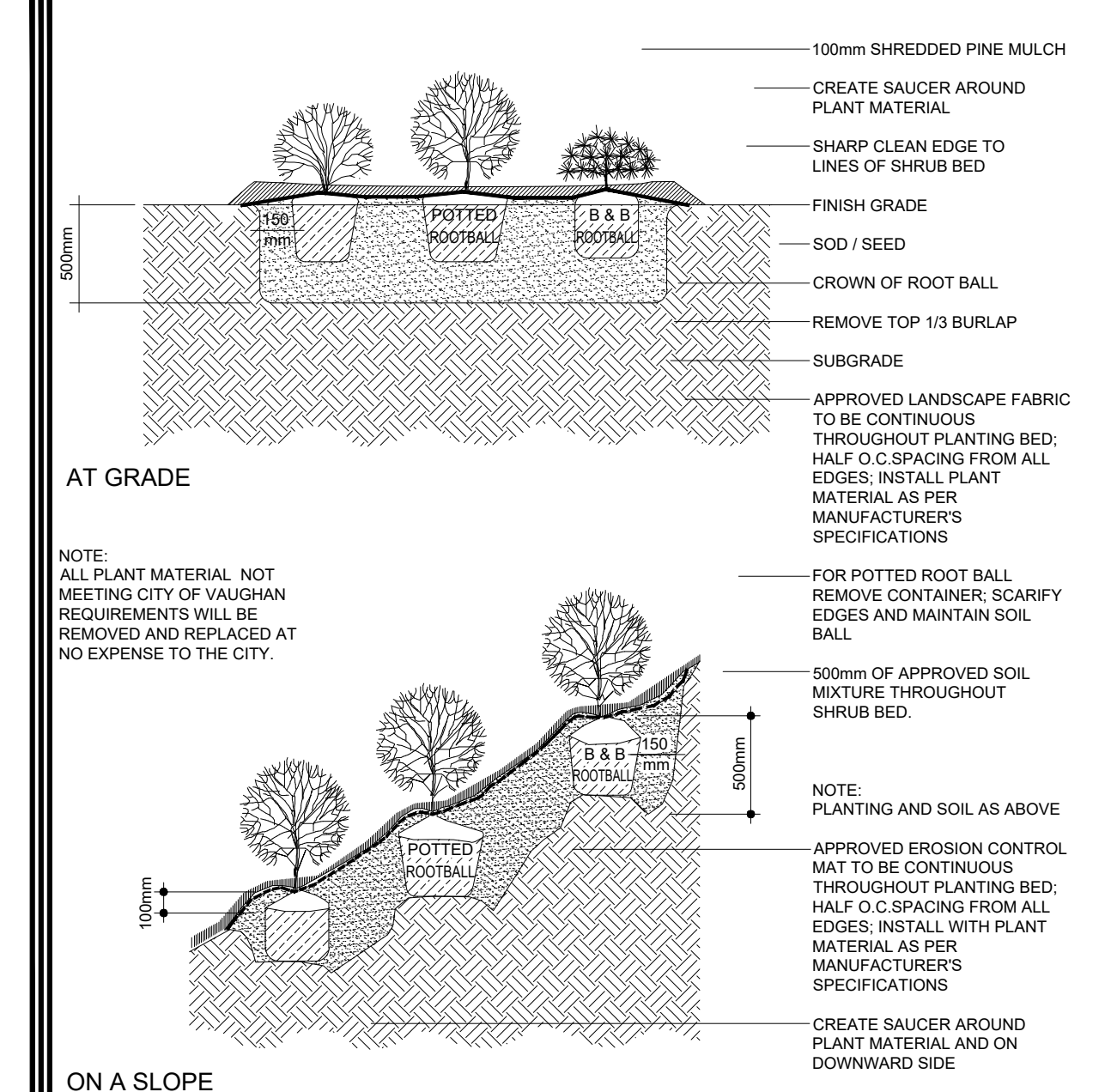
CONIFEROUS TREE PLANTING DETAIL FOR TREES 1800mm IN HEIGHT OR LESS

DRAWN & DESIGNED: _____ STD. DWG. NO. _____
 NOT TO SCALE DATE: _____



CONIFEROUS TREE PLANTING DETAIL FOR TREES OVER 1800mm IN HEIGHT

DRAWN & DESIGNED: _____ STD. DWG. NO. _____
 NOT TO SCALE DATE: _____



SHRUB PLANTING DETAIL

DRAWN & DESIGNED: _____ STD. DWG. NO. _____
 NOT TO SCALE DATE: _____

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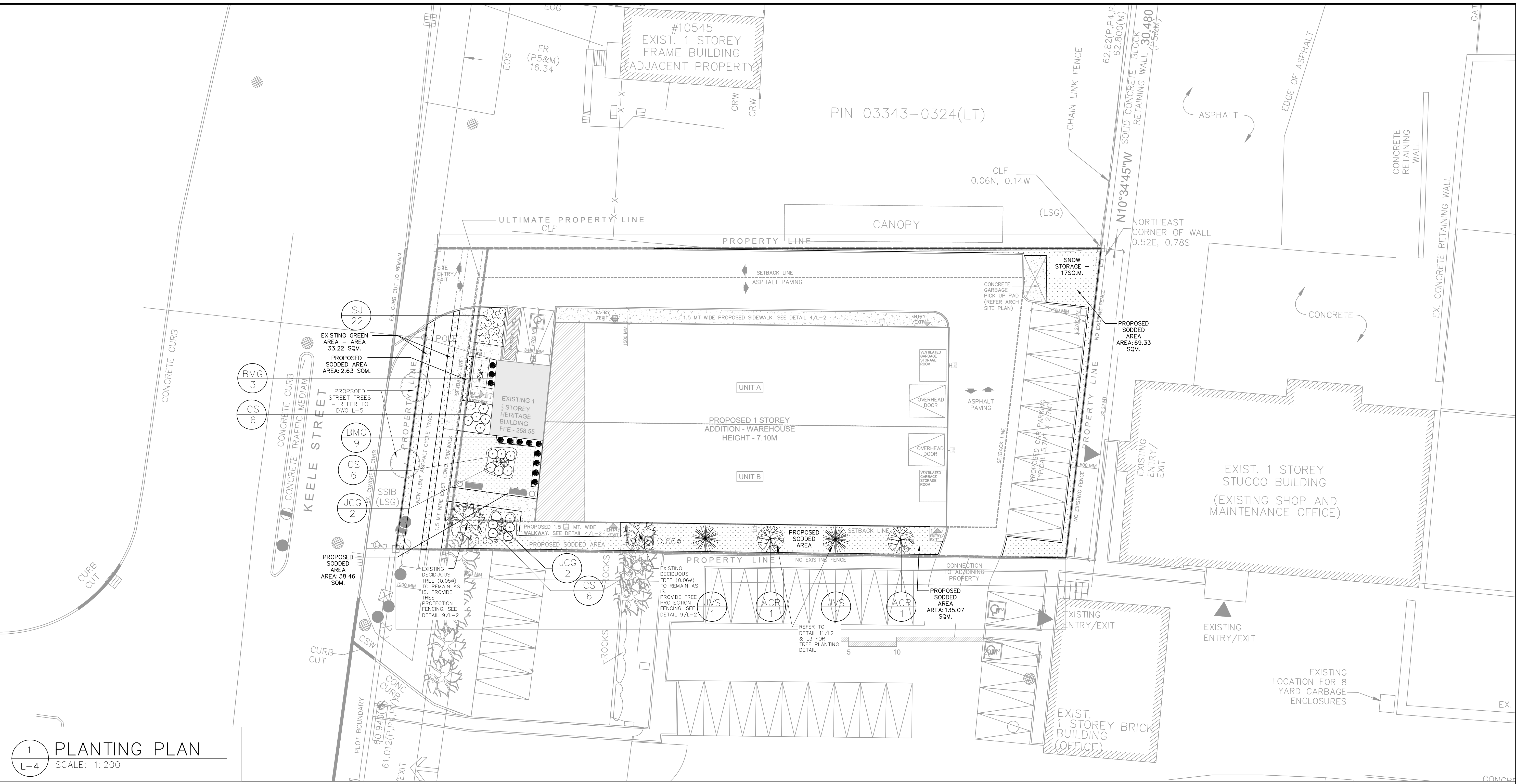
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Project:
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INDUSTRIAL WAREHOUSE ALTERATIONS & ADDITIONS
 10533 KEELE STREET, MAPLE VAUGHAN, ONTARIO

Sheet title:
STANDARD LANDSCAPE DETAILS

Scale: NOTED Date: MARCH 2024 D'wg. no. L-3
 Drawn: N.R. Checked: J.R.



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1 PLANTING PLAN
L-4 SCALE: 1:200

PLANTING LIST
EVERGREEN TREES

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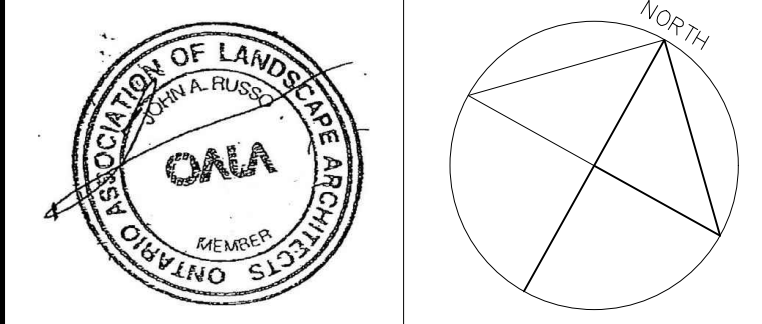
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20 cu.m. ARE REQUIRED FOR SHARED PLANTING BEDS.

PLAN OF SURVEY
SHOWING TOPOGRAPHICAL INFORMATION OF PART OF LOT 24 CONCESSION 3 (GEOGRAPHIC TOWNSHIP OF VAUGHAN) CITY OF VAUGHAN REGIONAL MUNICIPALITY OF YORK

ELEVATION
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO CITY OF VAUGHAN BENCH MARK No. 105090140 HAVING AN ELEVATION OF 240.744 METERS.



2 KEY PLAN
L-4 SCALE: N.T.S



JOHN A. RUSSO
LANDSCAPE ARCHITECT
11 CURTIS COURT
MAPLE, ONT.
L6A-1Y4

Project:
PROPOSED: INDUSTRIAL WAREHOUSE ALTERATIONS & ADDITIONS
10533 KEELE STREET, MAPLE VAUGHAN, ONTARIO

Sheet title:
LANDSCAPE PLANTING PLAN AND DETAILS

Scale: NOTED Date: MARCH 2024 D'wg. no. L-4
Drawn: S.A. Checked: J.R.

