

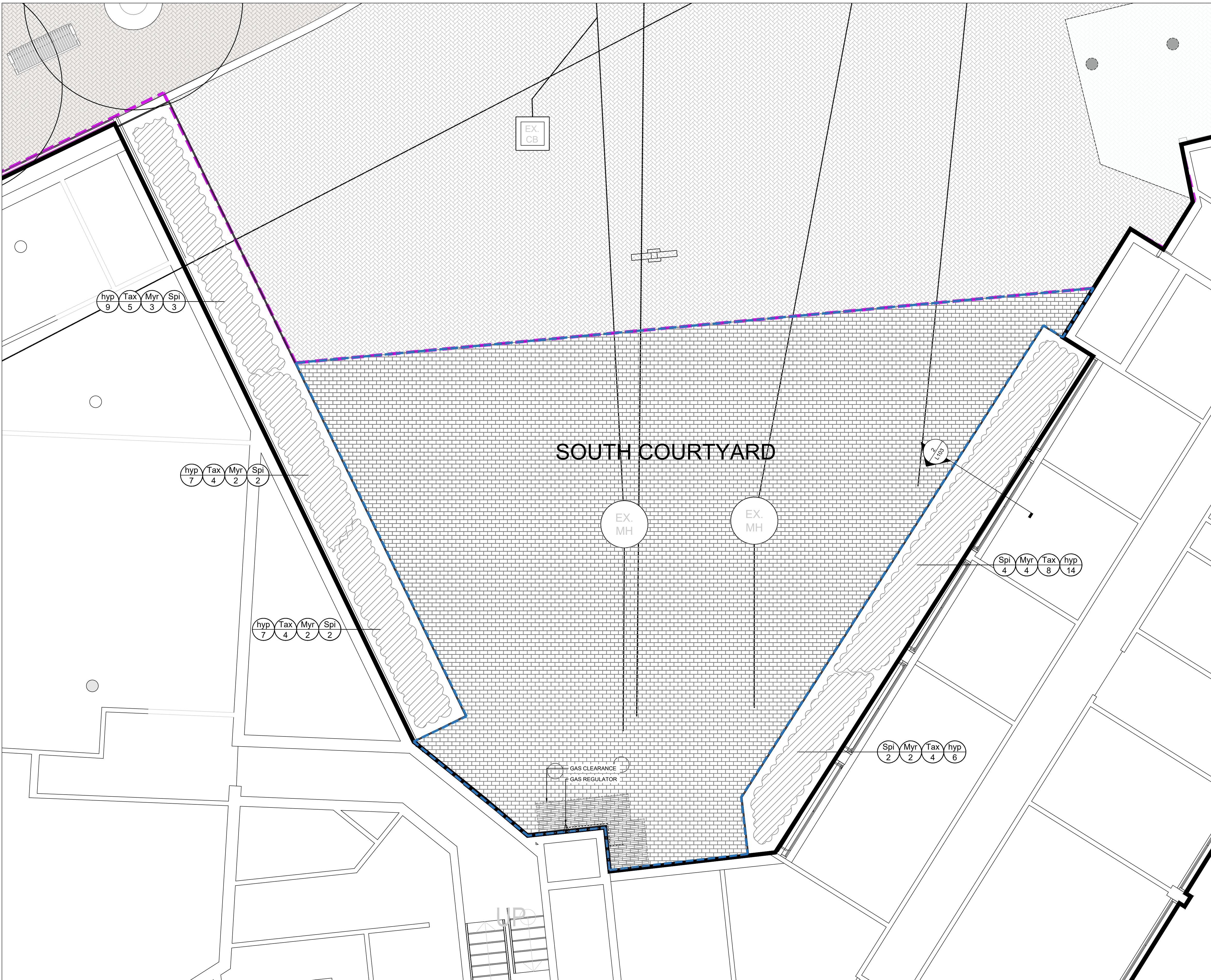
- LANDSCAPE NOTES:
1. A DRIP IRRIGATION SYSTEM TO BE INSTALLED THROUGHOUT THE ROOT ZONE AND WILL SUPPLY NON-POTABLE IRRIGATION FROM THE PROPERTY TO ALL TREES AND RAISED PLANTERS FOR AT LEAST THE FIRST FOUR (4) YEARS AFTER PLANTING.
 2. A WATERING PROGRAM AND SCHEDULE WILL BE PROVIDED FOR THE TREES FOR AT LEAST THE FIRST FOUR (4) YEARS AFTER PLANTING.
 3. THE SOIL SHALL CONSIST OF: A MINIMUM OF 600mm OF SANDY LOAM SOIL, COMPRISING OF 50-60% SAND, 20-40% SILT, 0-10% CLAY, 2-5 PERCENT ORGANIC WITH PH OF 7.5 OR LESS. THE SANDY LOAM SOIL IS TO BE TOPPED WITH A MINIMUM 100mm OF MINIMUM 2-YEAR OLD WOODCHIP MULCH. THE FIRST LIFT OF MULCH MUST BE DUG-IN WITH SANDY LOAM SOIL.
 4. A MINIMUM OF 50% NATIVE SPECIES WILL BE PROVIDED FOR PLANTING.
 5. DROUGHT TOLERANT SPECIES WILL BE PROVIDED WHERE POTABLE WATER IS USED FOR IRRIGATION WHERE APPLICABLE.
 6. NO INVASIVE SPECIES WILL BE PLANTED.
 7. MAXIMUM SOIL VOLUME ACHIEVABLE HAS BEEN ALLOCATED TO ALL TREES TO MEET TGS SOIL VOLUME (MIN. 30 M³ PER TREE).
 8. PAVING TO HAVE A MINIMUM SOLAR REFLECTIVITY OF MIN. 0.33 OR SR1 OF MIN 29 FOR 75% OF THE AT-GRADE PAVING.
 9. PEDESTRIAN PATHWAYS ARE SAFE, DIRECT AND UNIVERSALLY ACCEPTABLE.
 10. PEDESTRIAN PATHWAYS ARE GREATER THAN 2.1M WIDE.
 11. FOR SITE PLAN, REFER TO ARCHITECTURAL DRAWINGS.
 12. REFER TO ARCHITECTURAL DRAWINGS FOR BICYCLE COUNTS.
 13. FOR ALL SITE SERVICING AND GRADING, REFER TO CIVIL DRAWINGS AND REPORT.
 14. LIGHTING AND PHOTOMETRIC PLANS - REFER TO ELECTRICAL DRAWINGS.
 15. ALL EXTERIOR LIGHT FIXTURES TO BE DARK-SKY COMPLIANT.
 16. THE OWNER/APPLICANT ACKNOWLEDGES AND AGREES THAT ALL TREES MUST BE PLANTED AS PER THE PLANS, APPROVED BY URBAN FORESTRY AND MUST ARRIVE ON SITE IN BALLED AND BURLAPPED CONDITION, WITH A MINIMUM CALIPER OF 60mm. THE OWNER SHALL ENSURE THAT EACH TREE WILL HAVE THE BURLAP AND WIRE CAGE OPENED AND SOIL BRUSHED AWAY UNTIL THE FIRST PROPER ROOT IS FOUND INDICATING THE TOP OF THE REAL ROOT CROWN. THE OWNER SHALL ENSURE THAT THE TREE IS THEN PLANTED WITH THIS LEVEL (REAL ROOT CROWN) TO ANY/ALL OTHER INSTRUCTIONS. THE OWNER ACKNOWLEDGES AND AGREES THAT ANY TREE FOUND PLANTED WITH THE FIRST PROPER ROOT MORE THAN 2.5CM BELOW PLANTING LEVEL WILL BE REJECTED AND REQUIRE REPLACEMENT OR REPLANTING AT THE DISCRETION OF THE GENERAL MANAGER OF PARKS, FORESTRY AND RECREATION.
 17. THE OWNER/APPLICANT ACKNOWLEDGES AND AGREES THAT THE PLANTING AREAS OF THE SITE AND THE STREET ALLOWANCES TO BE DE-COMPACTED, AS PREPARATION FOR PLANTING, BY EXCAVATING 100-120cm (OR THE DEPTH OF THE PROPOSED SOIL VOLUME CALCULATION) OF THE EXISTING SOIL, SCARIFYING THE OPEN FACES AND BOTTOM, AND REPLACE WITH NEW TOP SOIL (CITY STANDARD SOIL REQUIREMENTS) PRIOR TO TREE PLANTING. THE OWNER SHALL FURTHER PROVIDE PROOF (PHOTOS) OF THE PLANTING AND PREPARATION PROCESS INDICATING ALL STAGES IN ACCORDANCE WITH THE APPROVED SITE PLAN, LANDSCAPE PLAN, PLANTING DETAILS AND TORONTO STANDARD DETAILS, AND ANY OTHER PLANS WHICH ARE CONNECTED WITH THE TREE PLANTING PROCESS.
 18. REFER TO ARBORIST'S REPORT FOR TREE INVENTORY AND PRESERVATION PLAN.
 19. MAXIMUM POROSITY OF VENTILATION GRATES TO BE 20mm X 20mm.
 20. ALL PLANT MATERIAL TO CONFORM TO THE CANADIAN NURSERY TRADES ASSOCIATION METRIC GUIDE SPECIFICATION AND STANDARDS.

- NOTES:
1. REFER TO CIVIL DRAWINGS FOR SITE SERVICING & GRADING.
 2. REFER TO ELECTRICAL DRAWINGS FOR SITE LIGHTING & ELECTRICAL CONNECTIONS.
 3. REFER TO ARBORIST'S REPORT FOR TREE INVENTORY AND PRESERVATION PLAN.

Plant Schedule - Toronto Zoo Conservation Campus- Courtyard

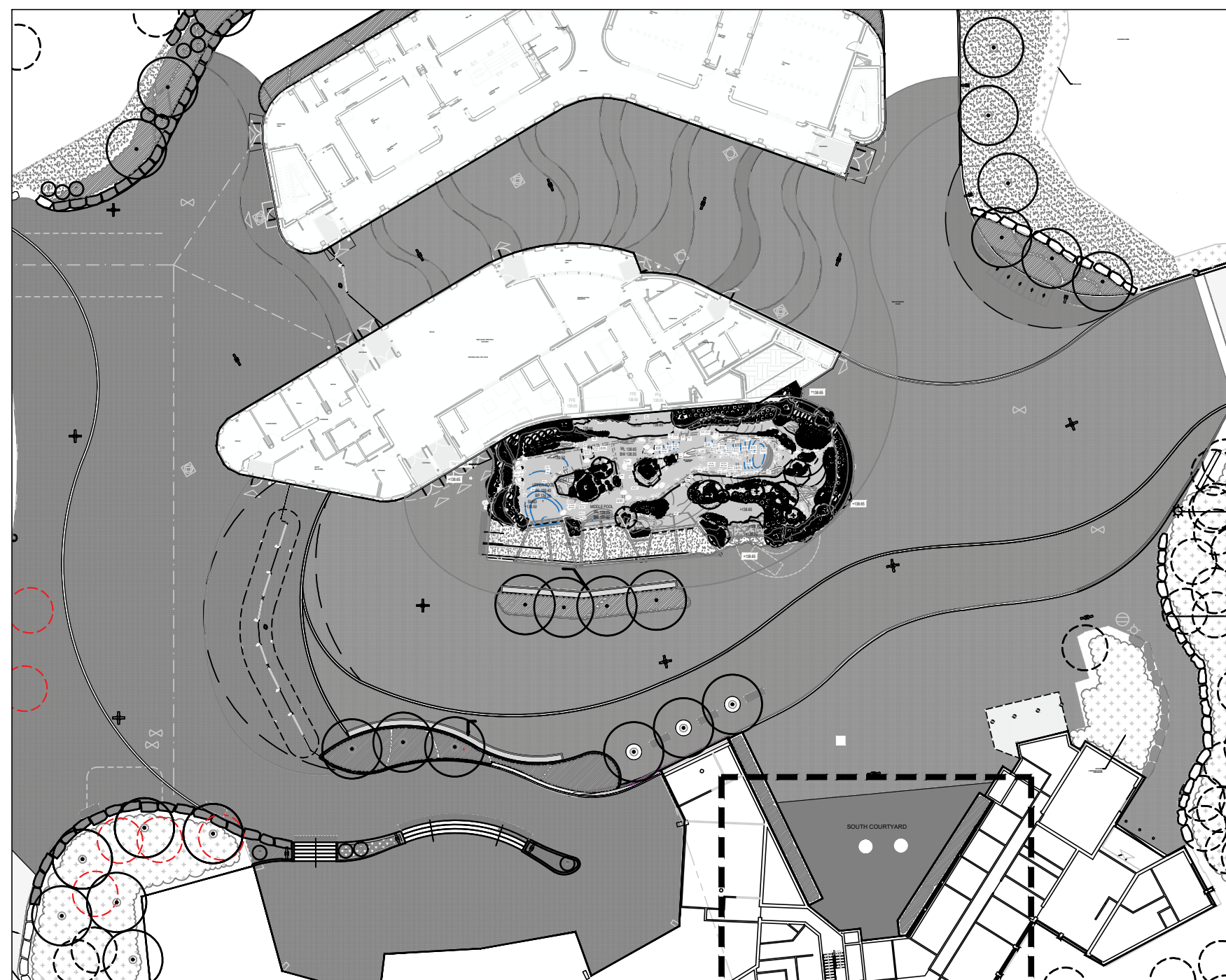
KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL.	HT.	SPACING	REMARKS	NATIVE	DROUGHT
Shrubs									
Myr	13	<i>Myrica Pensylvanica</i>	Bayberry		60 cm	80 cm	3 gal	x	x
Spi	13	<i>Spiraea alba</i>	White Meadowsweet		60 cm	80 cm	3 gal	x	x
Tax	25	<i>Taxus x media andersonii</i>	Anderson's Spreading yew		60 cm	80 cm	3 gal		

Groundcover, Perennials & Ornamental Grasses									
hyp	43	<i>Hypericum Kalmianum</i>	St. Johns Wort		50 cm	40 cm	1 gal	x	x



1 SOUTH BUILDING COURTYARD

Scale: 1:50

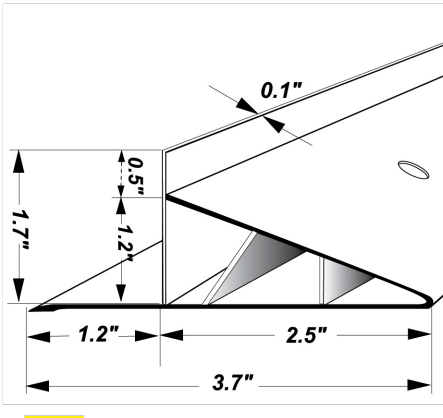


KEY MAP
Scale: 1:500

Rigid

Rigid can be used as a flexible edge restraint. A 7 ft section can be flexed slightly to produce a contour with a radius limit of approximately 10 ft. The rigid model is ideal for straight runs and gentle curves with minimal splays.

Type	Description	Dead Weight (lb/ft)	Order Number
Rigid 66 ft Bundle	12 x 7 ft Sections	141 (14.5)	51800122
Rigid 4.116 ft Puller	588 x 7 ft Sections	1642 (747)	51800122

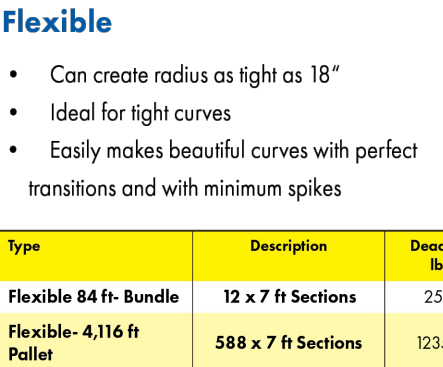


PAVE EDGE
1

Flexible

- Can create radius as tight as 18"
- Ideal for tight curves
- Easily makes beautiful curves with perfect transitions and with minimum splays

Type	Description	Dead Weight (lb/ft)	Order Number
Flexible 64 ft Bundle	12 x 7 ft Sections	231 (6)	51800122
Flexible 4.116 ft Puller	588 x 7 ft Sections	1235 (545)	51800123

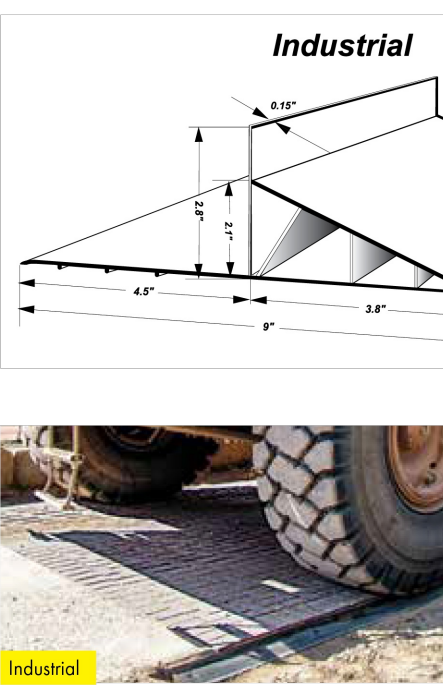


Industrial

On heavy-duty commercial and permeable (PICP) applications Industrial has proven itself for decades to be the most economical alternative to poured-in-place concrete curbs. It is the best performing, lowest labor, lowest material cost per foot of any installed edge restraint.

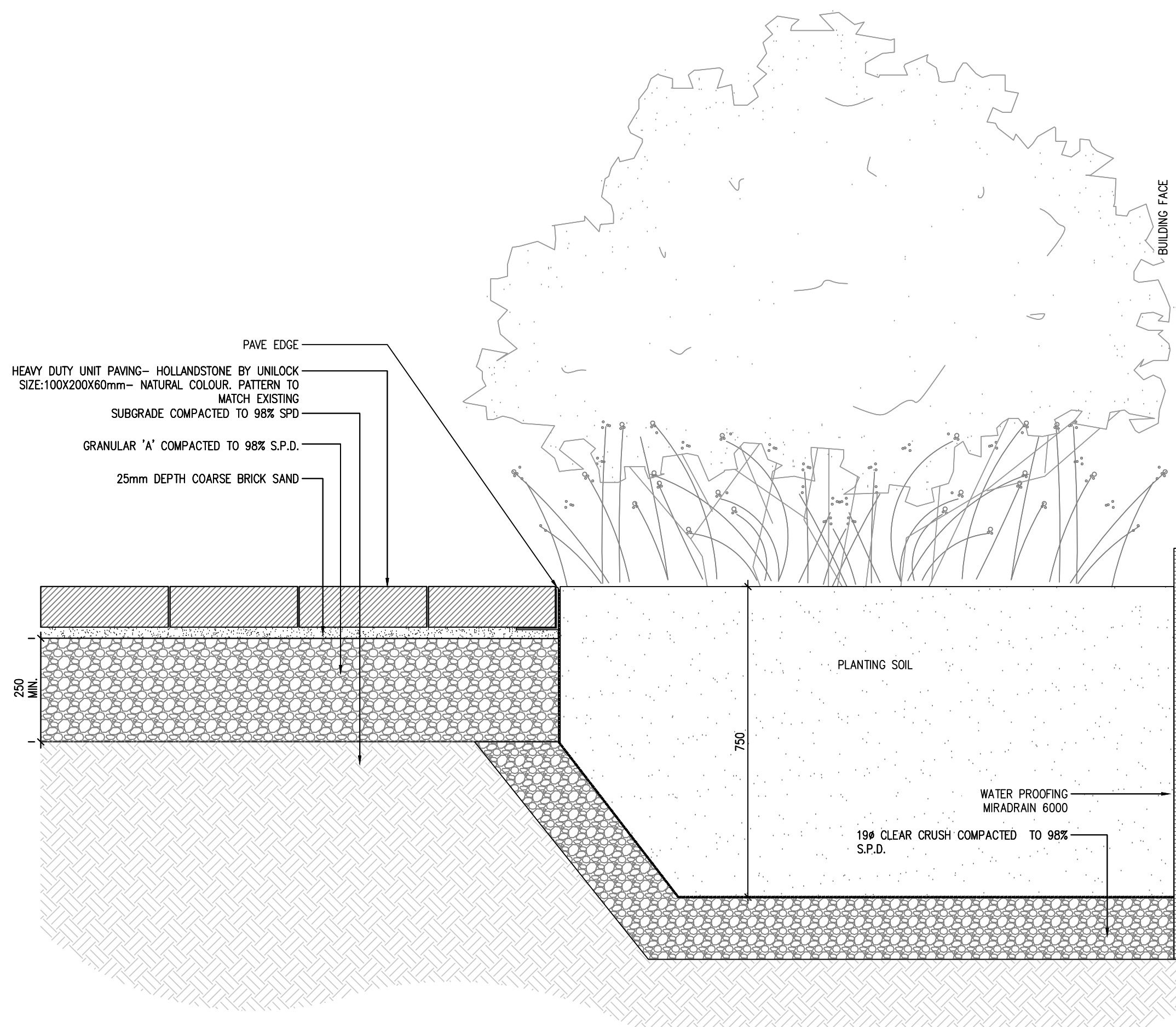
- Longer extended lip with thicker walls and additional frictional ribs
- Designed for 3-4" (8-10 cm) commercial/industrial pavers
- 10 ft long, straight, one-piece sections
- Pre-drilled holes 6" apart alternating backside/ front extension lip
- Connector Pipe shipped one 10 ft section per carton of 120 ft to allow cuts as needed. Recommend connector pieces cut to 10"

Type	Description	Dead Weight (lb/ft)	Order Number
Industrial 120 ft Bundle	12 x 10 ft Sections	7 (3)	51800117



www.probal-handling.us

7



2 SECTION THROUGH PLANTER

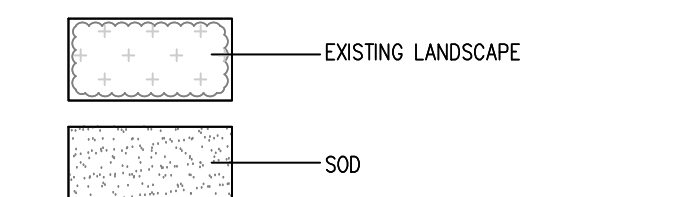
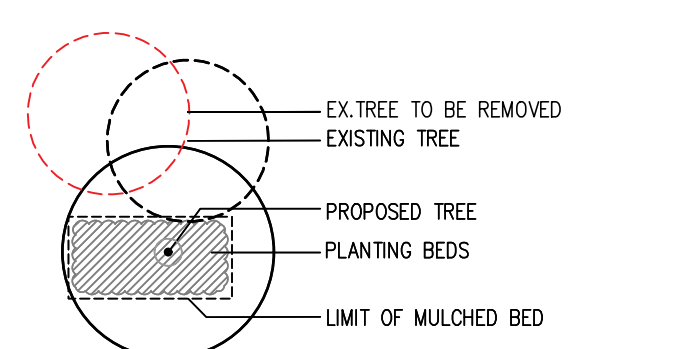
Scale: 1:10

Contractor shall check all dimensions on the work and report any discrepancy to the Landscape Architect before proceeding. All drawings and specifications are the property of the Landscape Architect and must be returned at the completion of the work. This drawing is not to be used for construction until signed by the Landscape Architect.

LEGEND

- SITE BOUNDARY
- - - PROJECT BOUNDARY/ LIMIT OF SCOPE
- - - LIMIT OF PERMEABLE PAVING
- - - LIMIT OF TPZ
- - - EDGE OF PAVERS
- - - BUILDING EDGE
- - - LIMIT OF ADDITIONAL PAVING
- - - EXISTING CHAINLINK FENCE
- - - EXISTING HANDRAIL
- - - PROPOSED HANDRAIL

PLANTING

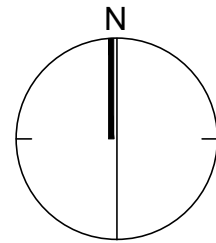
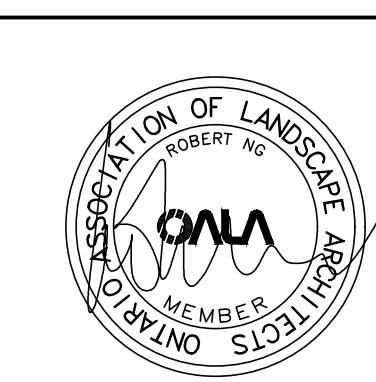


SURFACING

- PERMEABLE PAVEMENT (COP-PRIMEPAVE) 70X300X100mm COLOUR: TRIST-TERRESTRIAL PATTERN
- CONCRETE PAVING BAND PATTERN
- PERMEABLE PAVEMENT (COP-PRIMEPAVE) 70X300X100mm COLOUR: OPAL BLEND HERRINGBONE PATTERN
- HEAVY DUTY INTERLOCKING UNIT PAVING - HOLLANDSTONE BY UNLOCK, SIZE: 100X200X60mm NATURAL COLOUR, PATTERN TO MATCH EXISTING

NOTES:
- 100% OF HARDSCAPE AREA IS TREATED FOR URBAN HEAT ISLAND
- SELECTED HARDSCAPE MATERIAL TO BE HIGH-ALBEDO SURFACE MATERIAL WITH MIN. SR1 29

3	Issued for Tender	Dec. 03/24
2	Issued for Tender	Jul. 10/24
1	Issued for Coordination	May. 02/24
No.	Description	Date
Revision		
City Approval Stamp		



NAK
design strategies

421 BANCROFT AVENUE, TORONTO, ON M4B 2N1 CANADA
416.340.8700 F 416.340.7100 NAK@DESIGNSTRATEGIES.COM

Project

Toronto Zoo
Conservation Campus

Title

Enlargement Plan

Date: September 01, 2022
Scale: 1:50
Drawn: m
Checked: m
Job No: 22-151

Sheet

L103