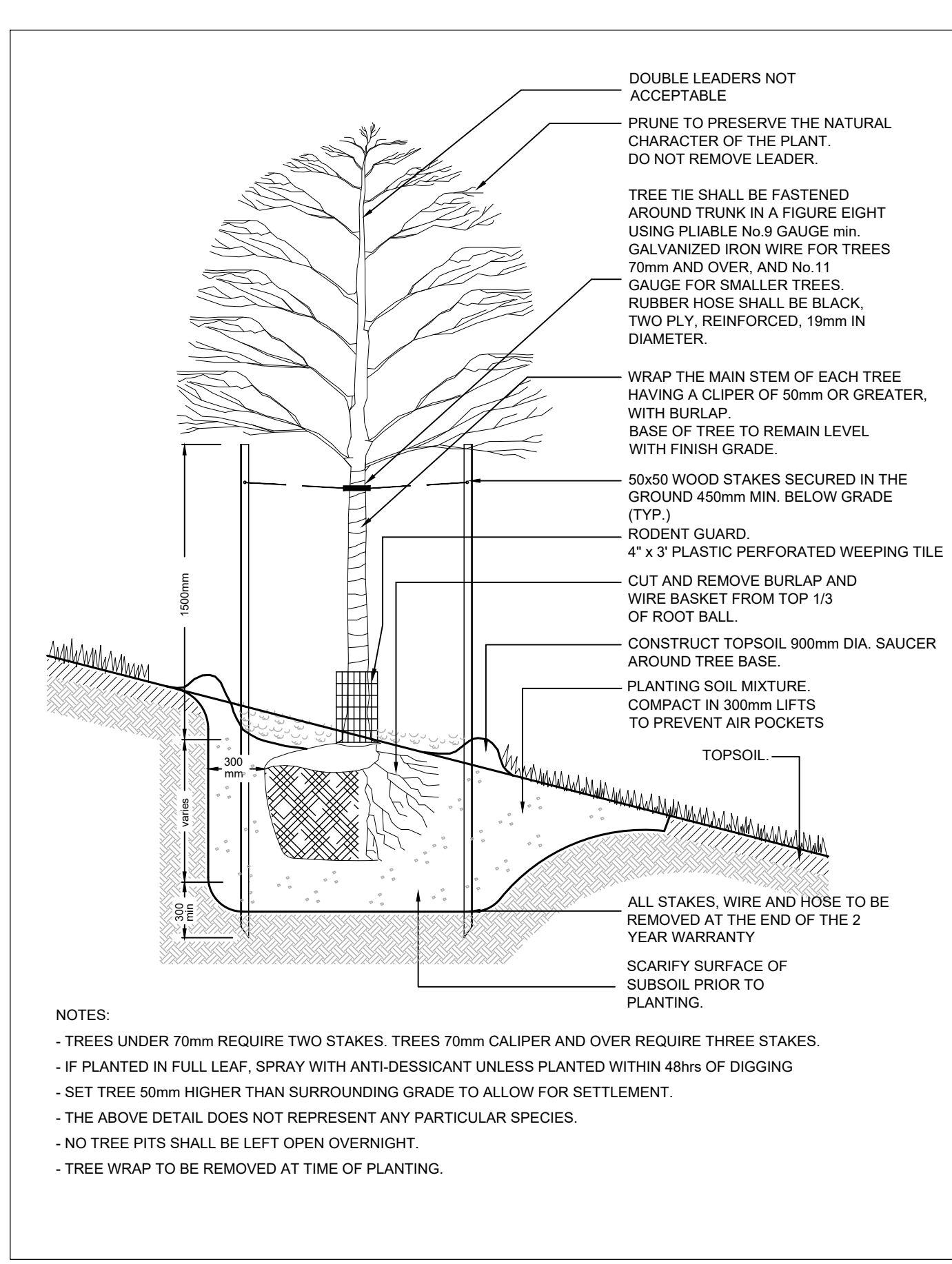
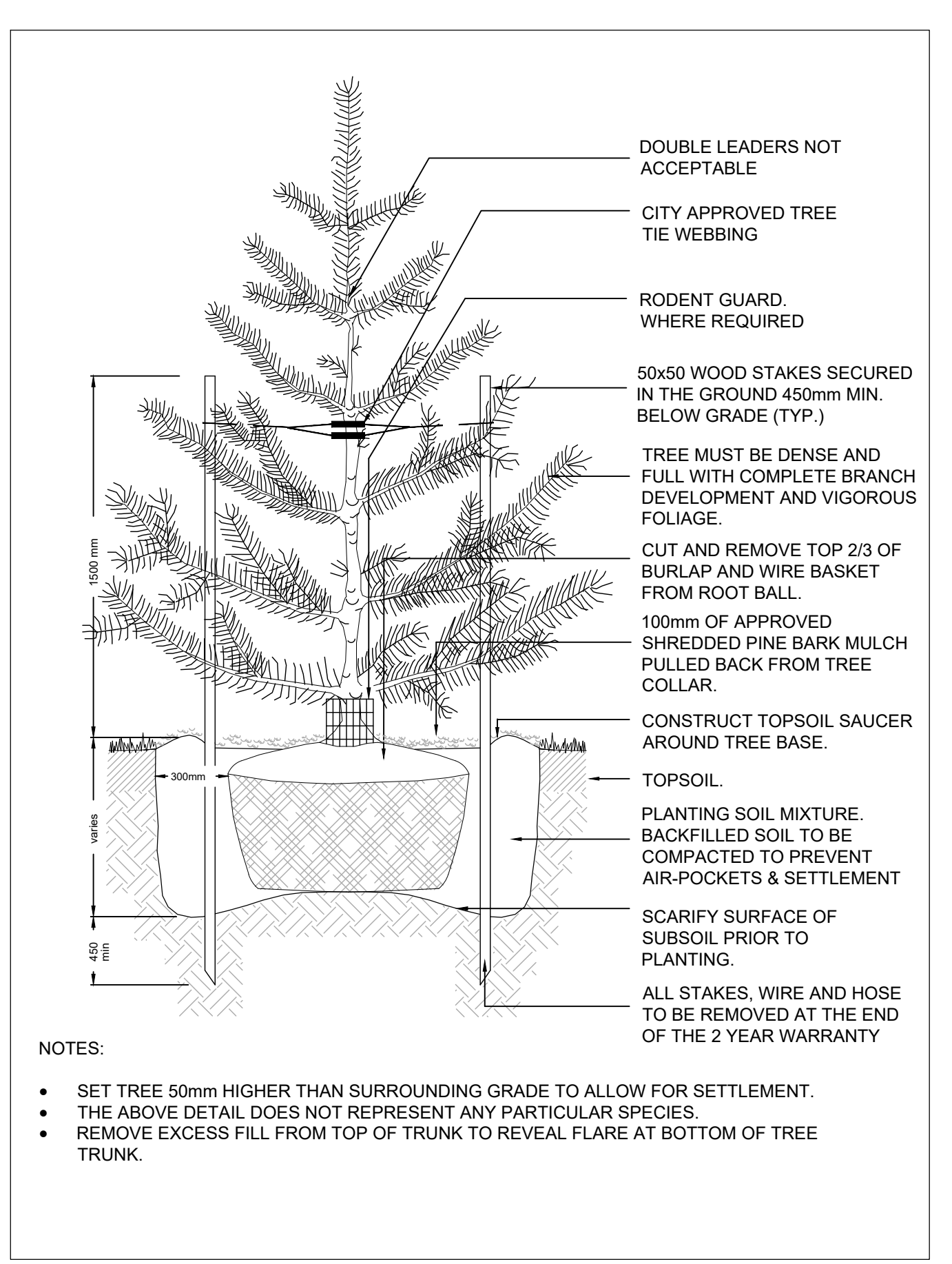


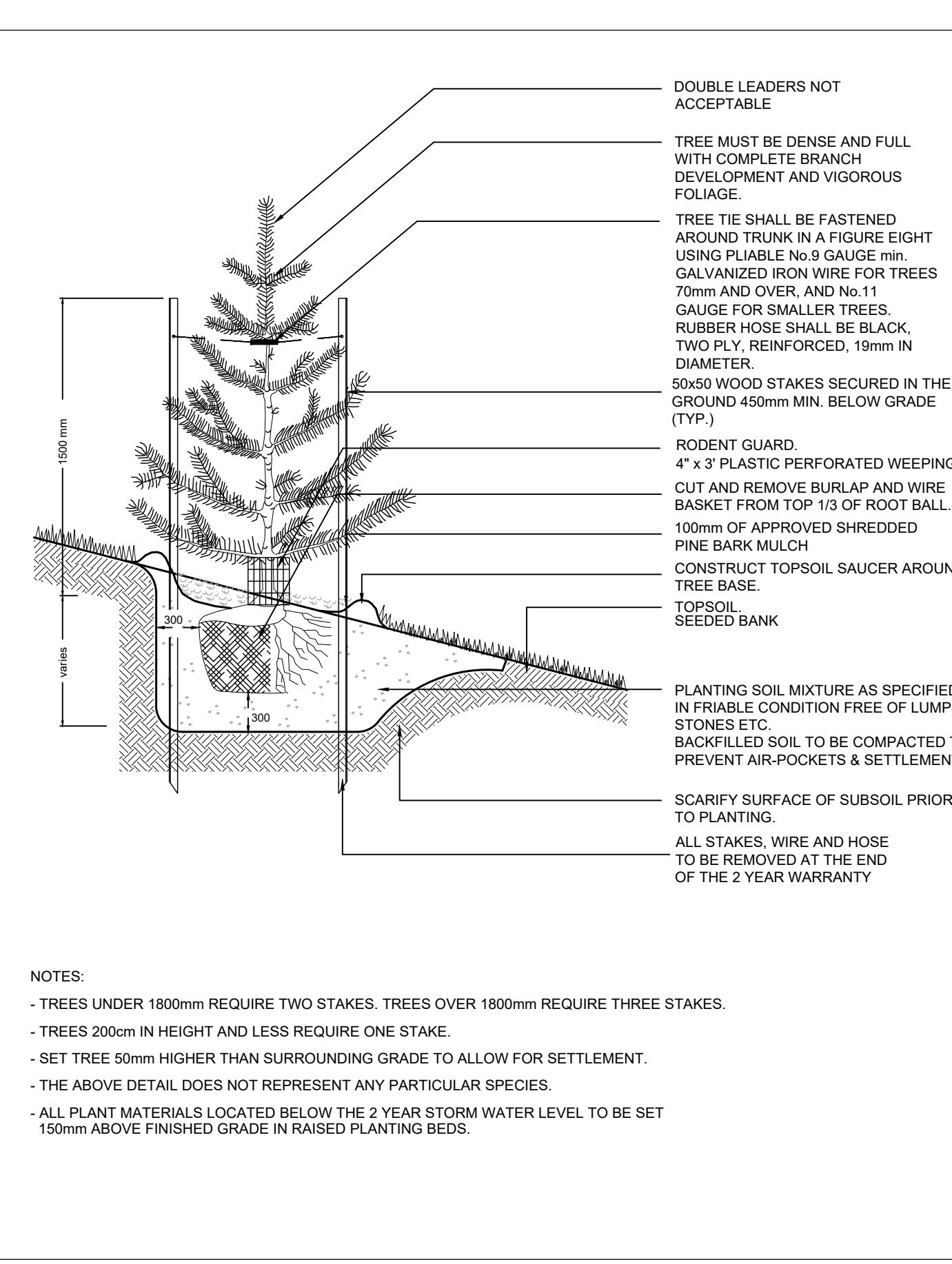
1 DECIDUOUS TREE PLANTING N.T.S.



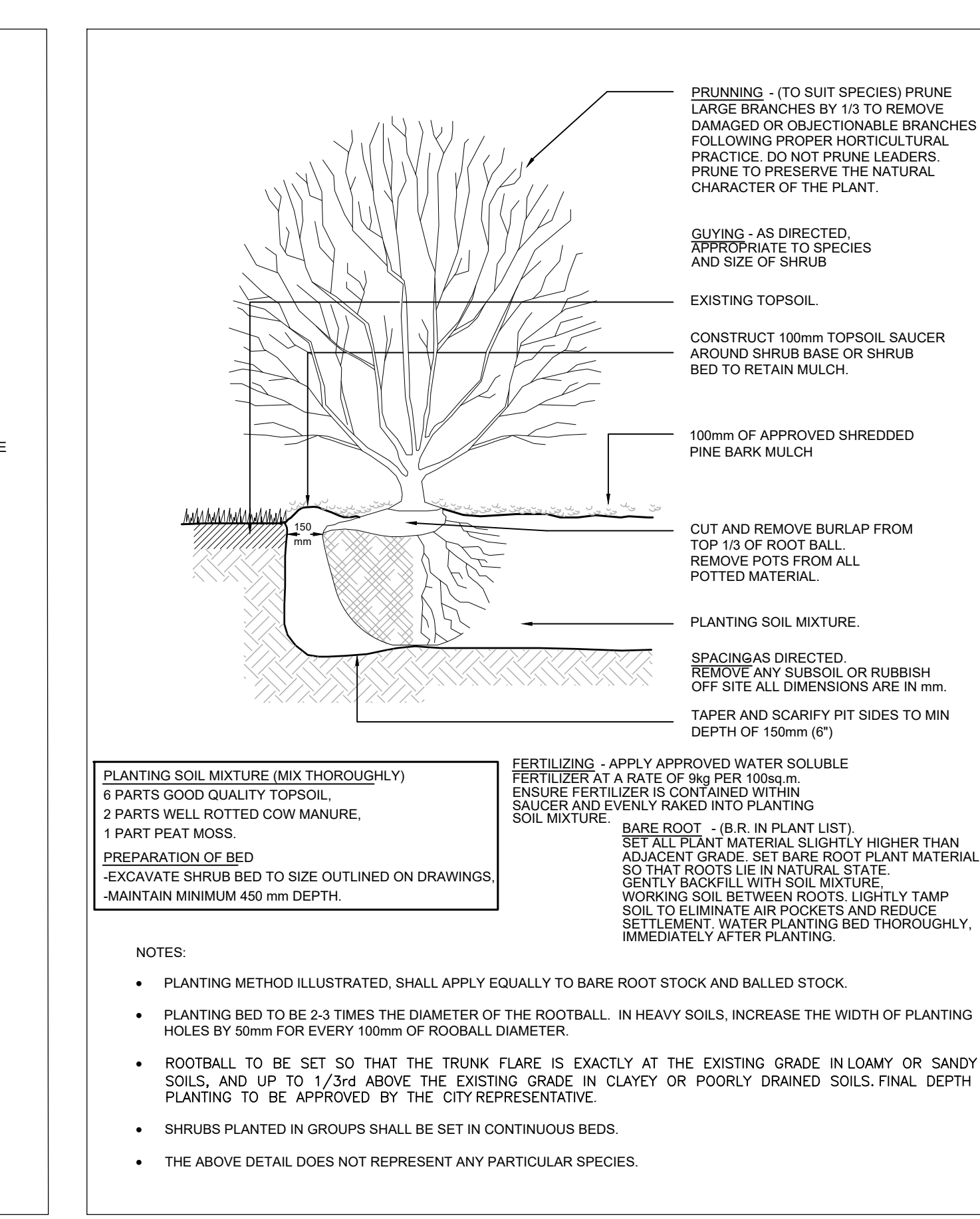
2 DECIDUOUS TREE PLANTING ON SLOPE N.T.S.



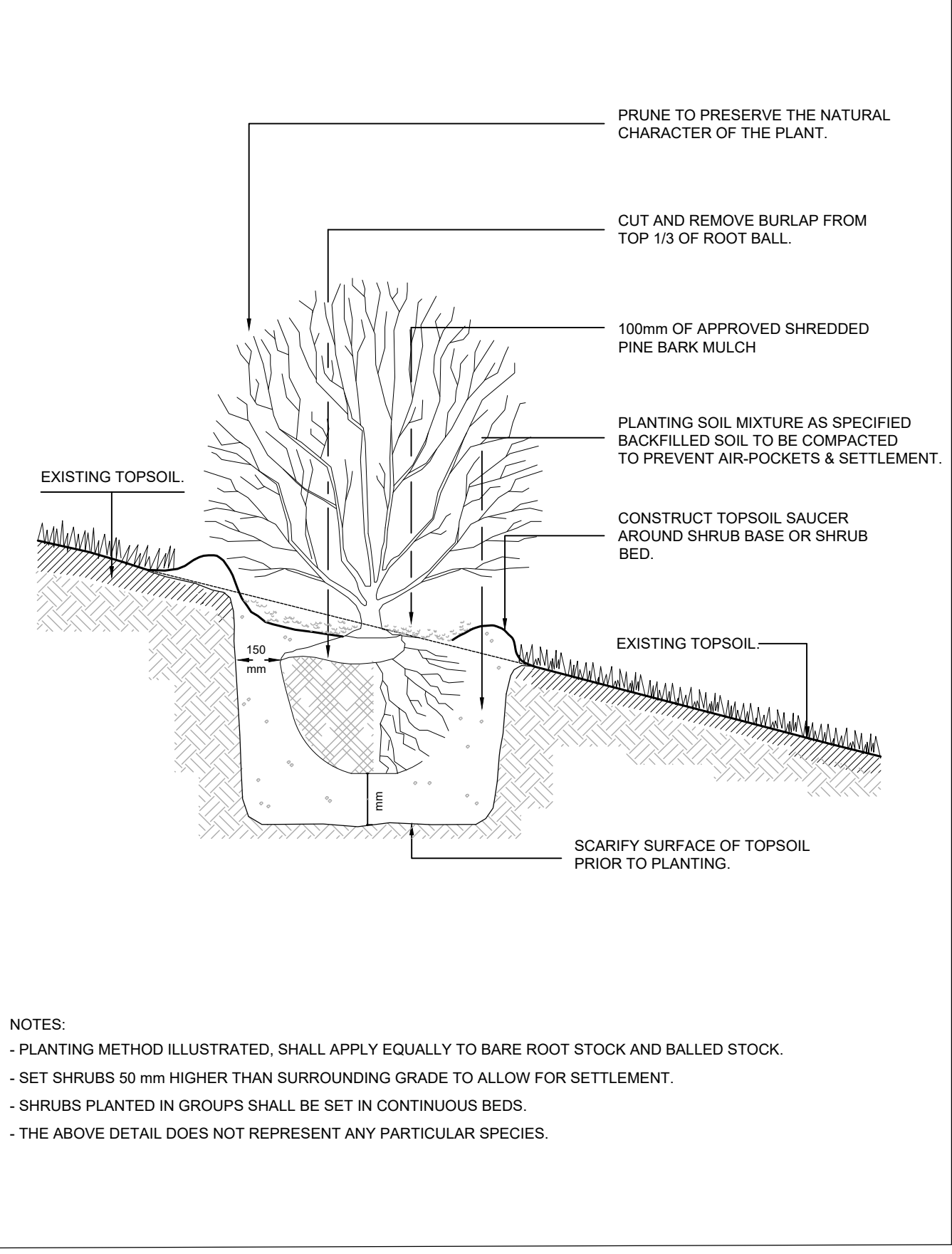
3 CONIFEROUS TREE PLANTING N.T.S.



4 CONIFEROUS TREE PLANTING ON SLOPE N.T.S.



5 SHRUB PLANTING N.T.S.



6 SHRUB PLANTING ON SLOPE N.T.S.

Key	Botanical Name	Common Name	Col.	Ht.	Spr.	Cond.	Remarks	Total	
Park Area									
Deciduous Trees									
Afj	Acer x freemanii 'Jeffersred'	Freeman Maple 'Autumn Red'		60mm		BB	Uniform Specimen	36	
As	Acer saccharum	Sugar Maple		60mm		BB	Uniform Specimen	96	
Asc	Acer saccharum	Silver Maple		60mm		BB	Uniform Specimen	19	
Cc	Cercis canadensis	Eastern Redbud		45mm		WB	Tree Form	18	
Co	Celtis occidentalis	Common Hackberry		60mm		BB	Uniform Specimen	32	
Lt	Liriodendron tulipifera	Tulip Tree		60mm		BB	Uniform Specimen	51	
Ov	Ostrya virginiana	Hop-hornbeam (ironwood)		60mm		WB	Uniform Specimen	3	
Pt	Populus tremuloides	Trembling Aspen		60mm		BB	Uniform Specimen	27	
Omb	Quercus macrocarpa	Bur Oak		60mm		BB	Uniform Specimen	51	
Omc	Quercus muhlenbergii	Chinquapin Oak		60mm		BB	Uniform Specimen	39	
Qr	Quercus rubra	Red Oak		60mm		BB	Uniform Specimen	97	
To	Tilia americana	American Basswood		60mm		BB	Uniform Specimen	21	
Uov	Ulmus americana 'Valley Forge'	Valley Forge Elm		60mm		BB	Uniform Specimen	28	
Coniferous Trees									
Pg	Picea glauca	White Spruce		200cm		BB	Uniform Specimen	37	
Pa	Pinus Strobus	White Pine		200cm		BB	Uniform Specimen	68	
								TOTAL NUMBER OF TREES	621
Shrubs									
T.B.D.									
Perennials and Grasses									
T.B.D.									
								TOTAL NUMBER OF PERENNIALS AND GRASSES	xx

7 PLANT LIST

PLANTING NOTES:

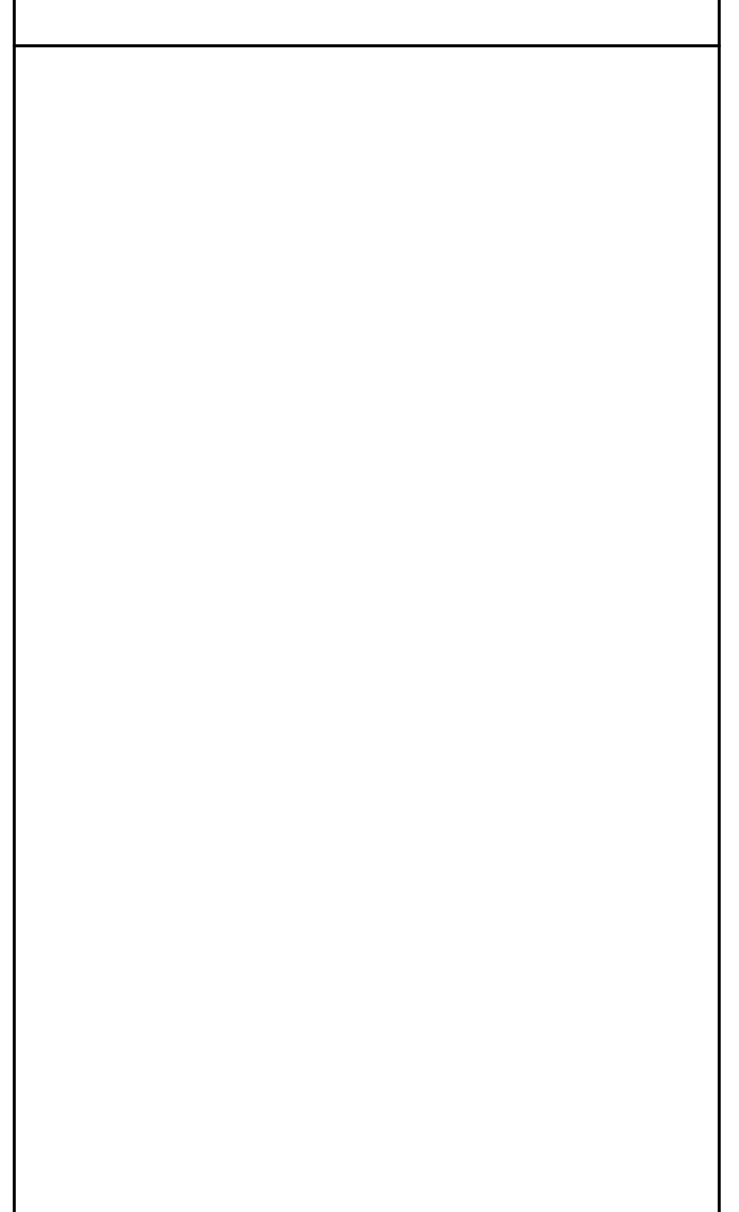
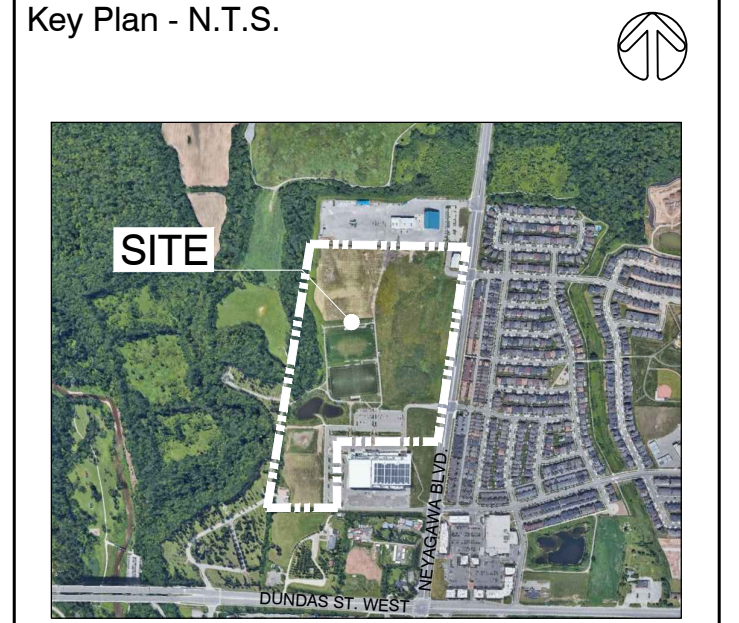
- ALL PLANTING TO MEET HORTICULTURAL STANDARDS OF CANADIAN NURSERY TRADE ASSOCIATION, GUIDE SPECIFICATION FOR NURSERY STOCK/LATEST EDITION. ALL PLANT MATERIAL TO BE No. 1 GRADE.
- TOPSOIL: SHALL BE FERTILE, FRAGILE, NATURAL LOAM CONTAINING 4% MINIMUM ORGANIC MATTER FOR CLAY LOAMS AND 2% MINIMUM ORGANIC MATTER FOR SANDY LOAMS. ACIDITY RANGE SHALL BE FROM 6.0 pH TO 7.5 pH AND SHALL BE CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE FREE OF ANY ADMIXTURE OF SUBSOIL, CLAY LUMPS, STONES AND ROOTS OVER 50mm DIAMETER AND ANY OTHER EXTRANEOUS MATTER AND SHALL BE REASONABLY FREE OF WEEDS AND SEEDS. APPLY TOPSOIL EVENLY OVER THE SITE TO A DEPTH OF 450mm AND TO 150mm BELOW THE PERMANENT WATER LEVEL TO A DEPTH OF 300mm.
- PEAT MOSS: SHALL BE PARTIALLY DECOMPOSED FIBROUS OR CELLULAR STEMS AND LEAVES OF SPHAGNUM MOSSES. TEXTURE VARYING FROM POROUS FIBROUS TO SPONGY FIBROUS, FAIRLY ELASTIC AND SUBSTANTIALLY HOMOGENEOUS WITH pH NOT LESS THAN 4.5 AND NOT GREATER THAN 6.0. IT SHALL BE BALED AND FREE OF DECOMPOSED COLLOIDAL RESIDUE, WOOD, SULFUR AND IRON, BE BROWN IN COLOUR AND FINELY SHREDDDED. SHREDDDED PARTICLES SHALL NOT EXCEED 9mm IN SIZE.
- FERTILIZERS: SHALL BE COMPLETE, COMMERCIAL FERTILIZERS CONTAINING NOT LESS THAN SIXTY PERCENT (60%) UREA FORMALDEHYDE BY WEIGHT. FERTILIZER SHALL BE ADDED TO PLANTING MIXTURE BASED ON THE RESULTS OF A TOPSOIL TEST, BUT IN NO CASE LESS THAN THE FOLLOWING MINIMUM STANDARDS:
 - 10-6-4 @ 400 GRAMS PER 25mm OF TREE CALIPER; AND
 - 10-6-4 @ 400 GRAMS PER 150mm OF SOIL MIXTURE FOR PLANTING BEDS.
- BONEMEAL: SHALL BE COMMERCIAL RAW BONEMEAL, FINELY GROUND AND WITH A MINIMUM ANALYSIS OF 4% NITROGEN AND 20% PHOSPHORIC ACID.
- PLANTING SOIL MIXTURE: SHALL BE 8 PARTS SANDY LOAM TOPSOIL, ONE PART WELL-ROTTED CATTLE MANURE AND ONE PART PEAT MOSS. BONEMEAL SHALL BE ADDED AT THE RATE OF 500 GRAMS PER cu. metre. SOIL MIXTURE TO BE COMPACTED TO PREVENT AIR POCKETS AND SETTLEMENT.
- ALL SHRUBS TO BE PLANTED IN CONTINUOUS BEDS AND MULCHED AS SPECIFIED.
- MULCH: ALL MULCH FOR TREES AND SHRUBS TO BE BULK SHREDDDED PINE BARK, AS SUPPLIED BY ALTRAIT OR APPROVED EQUAL (UNIFORM DEPTH OF 100mm). KEEP ALL STEMS AND CROWNS CLEAR OF MULCH.
- LOCATIONS OF ALL PLANT MATERIAL TO BE STAKED OUT BY THE CONTRACTOR AND APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT PRIOR TO THE EXCAVATION OF PLANTING PITS.
- THE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT AT COMMENCEMENT OF PLANTING FOR REVIEW OF THE PLANT MATERIAL.
- ALL THE WORK SHALL BE COMPLETED TO THE ACCEPTANCE OF BOTH THE LANDSCAPE ARCHITECT AND THE OWNER. THE LANDSCAPE ARCHITECT SHALL ISSUE SUBSTANTIAL PERFORMANCE WHEN THE WORKS ARE COMPLETE AND ACCEPTABLE. PERFORMANCE ACCEPTANCE SHALL BE ISSUED WHEN ALL WORKS ARE COMPLETED AS SHOWN ON THE APPROVED DRAWINGS. A ONE YEAR INTERIM INSPECTION SHALL BE HELD TO REVIEW PLANT MATERIAL. THE TWO YEAR WARRANTY WILL COMMENCE FROM THE DATE OF SUBSTANTIAL COMPLETION.
- ALL DISTURBED AREAS OTHER THAN PAVING, PLANTING BEDS AND AREAS TO BE SEEDED SHALL BE RESTORED BY FINE GRADING AND SOODING OVER A MINIMUM 300mm TOPSOIL.

8 PLANTING NOTES

Conservation Halton Upland Dry Meadow Mix

Common Name	Botanical Name	Percentage of Mix (%)
Black Eyed Susan	<i>Rudbeckia hirta</i>	15
Big Bluestem	<i>Andropogon gerardii</i>	30
Blue Wood Aster	<i>Symphoricaricum cordifolius</i>	1
Canada Goldenrod	<i>Solidago canadensis</i>	2
Canada Anemone	<i>Anemone canadensis</i>	1
Common Milkweed	<i>Asclepias syriaca</i>	5
Evening Primrose	<i>Oenothera biennis</i>	2
Grass Leaved Goldenrod	<i>Euthamia graminifolia</i>	1
Little Bluestem	<i>Schizachyrium scoparium</i>	20
Meadow Open Field Sedge	<i>Carex granularis</i>	12
New England Aster	<i>Symphoricaricum novae-angliae</i>	1
Virgins Bower	<i>Clematis virginiana</i>	5
Wild Bergamot	<i>Monarda fistulosa</i>	5

9 SEED MIX SPECIFICATION



Key Plan - N.T.S.

2 02.04.2022 Issued for SPA (1st Submission) JJ

1 01.26.2022 Issued for Coordination JJ

No	Date	Revisions	By

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Client:

Consultant:

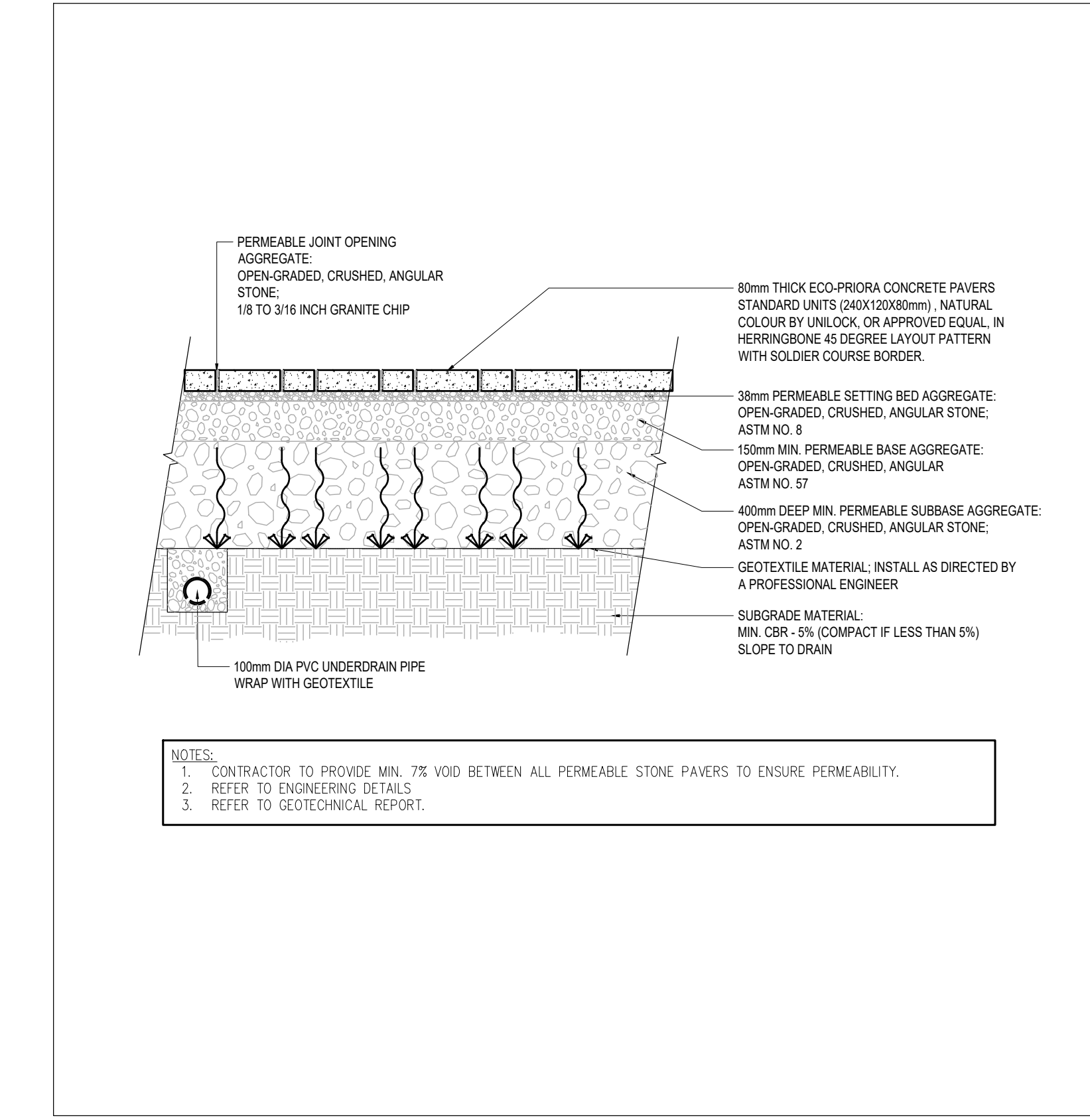
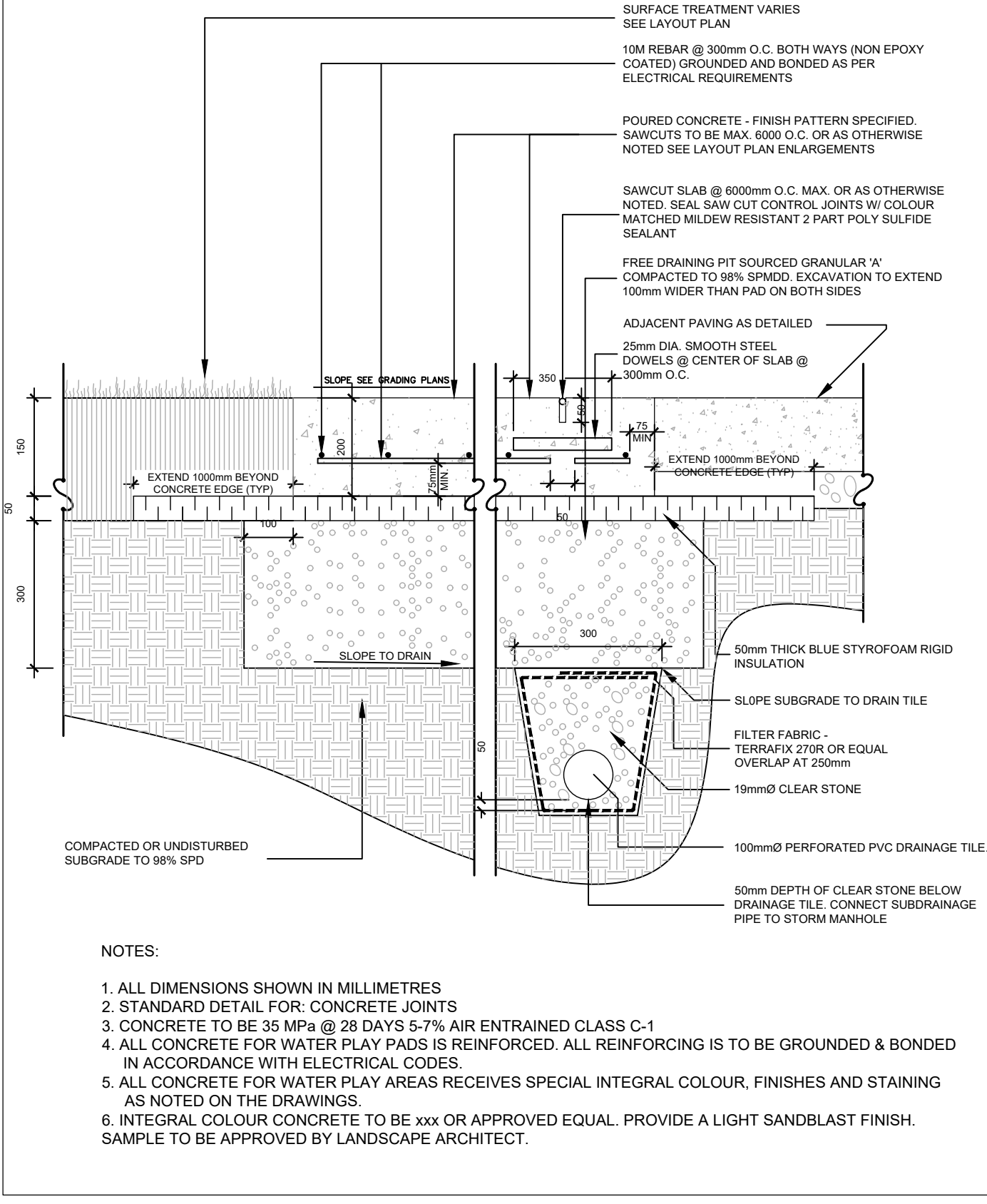
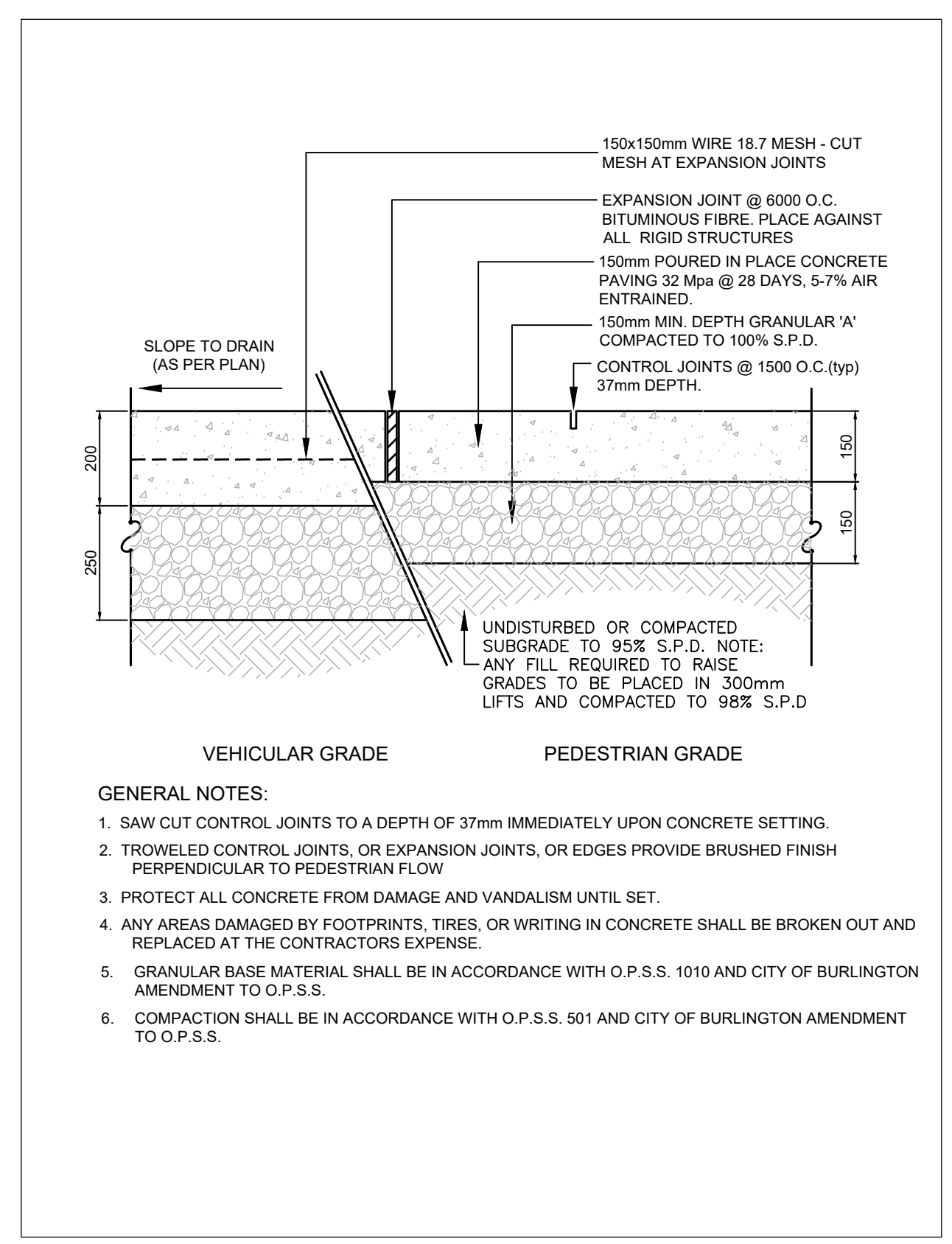
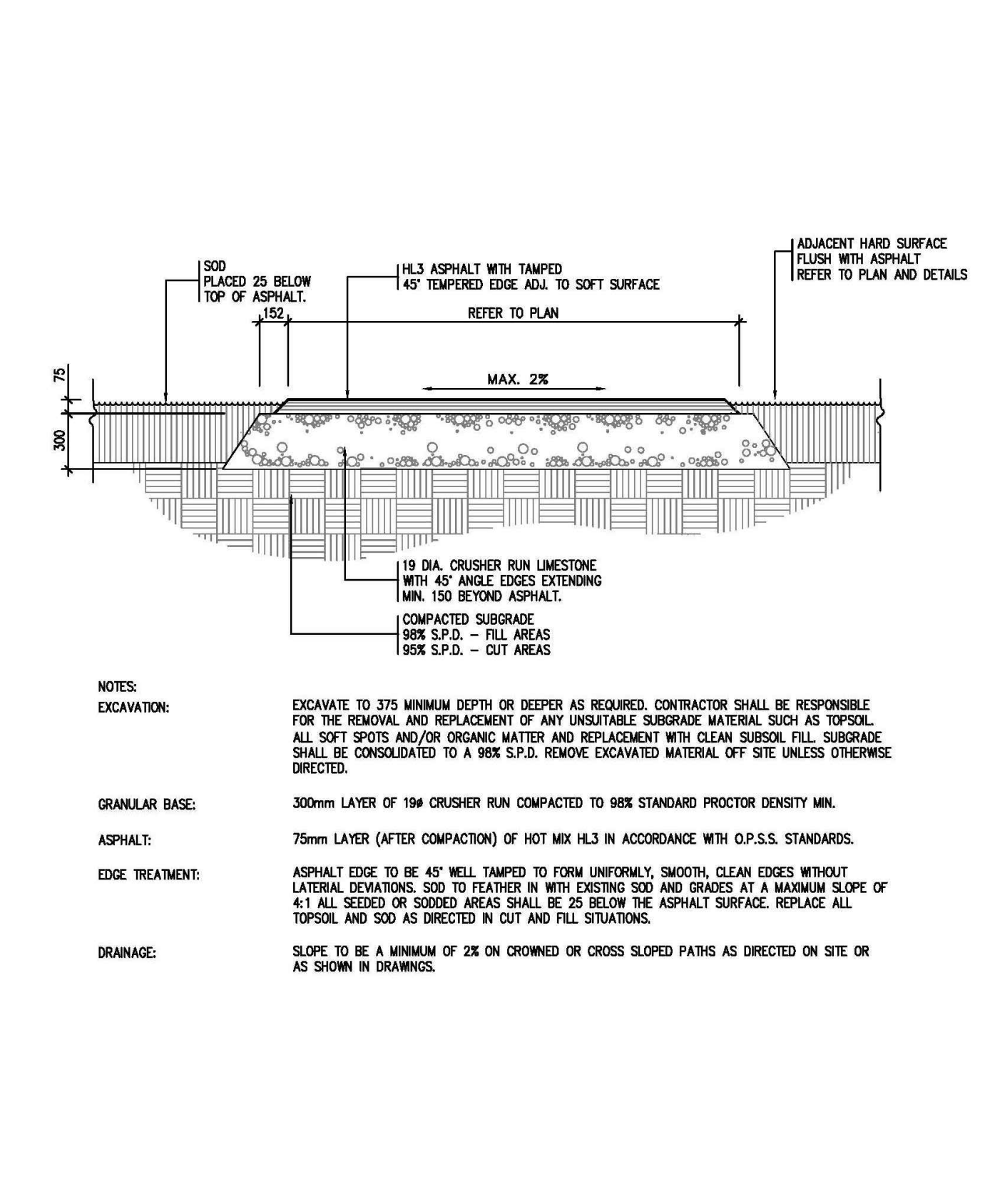
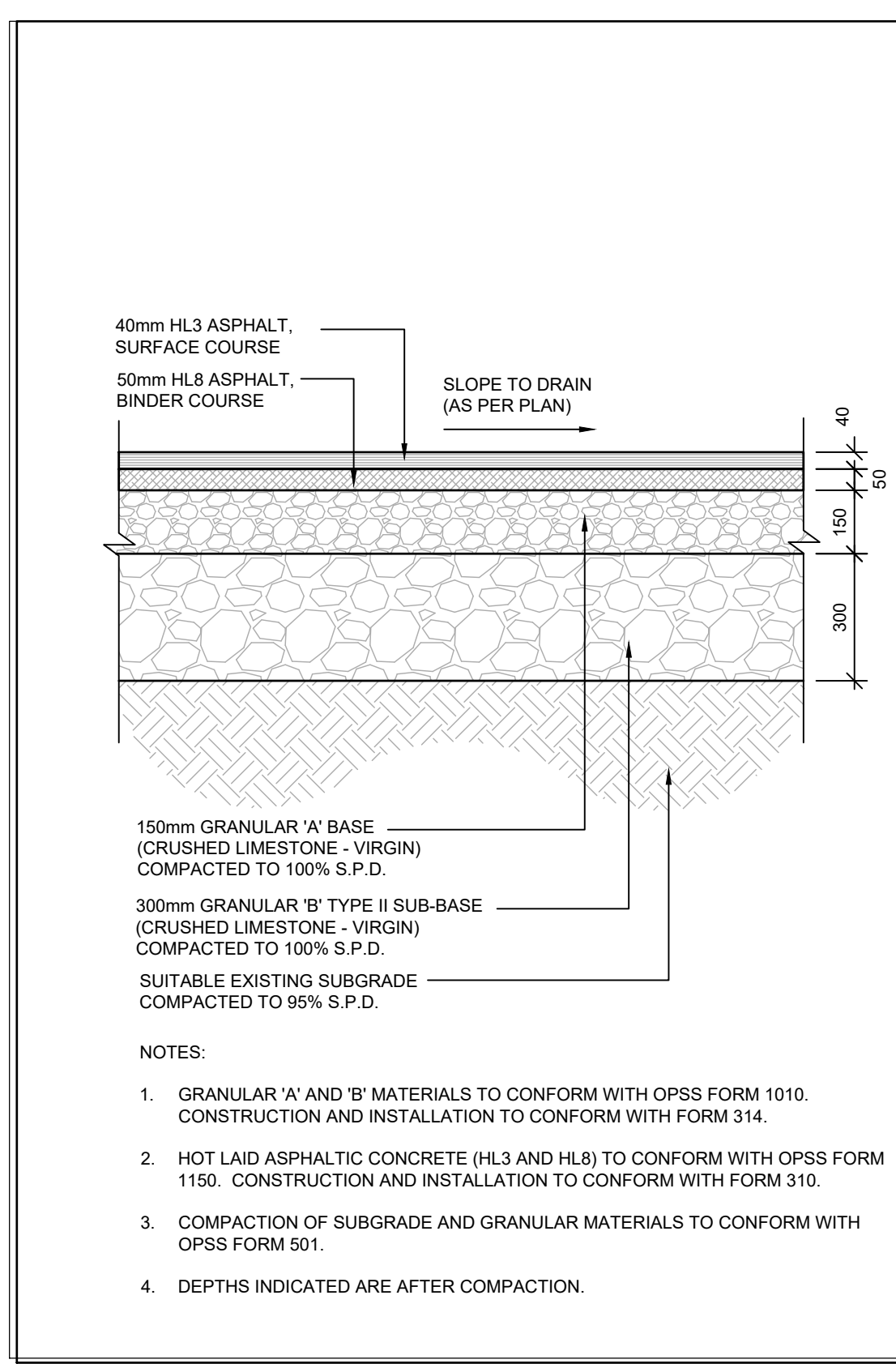
Project Name: NORTH PARK DEVELOPMENT: COMMUNITY CENTRE, LIBRARY AND SPORTS PARK

Municipality: Town of Oakville

Sheet Title: PLANTING DETAILS

Designed:	Drawn:	Scale:	Drawing No.:
JJ	DS	AS NOTED	D-1

Date of Drawing: November 2021 Job No.: TOA039



1 VEHICULAR ASPHALT PAVING N.T.S.

2 PEDESTRIAN ASPHALT PAVING N.T.S.

3 VEHICULAR & PEDESTRIAN CONCRETE PAVING N.T.S.

4 WATER PLAY CONCRETE PAVING N.T.S.

5 VEHICULAR GRADE PERMEABLE PAVING N.T.S.

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BY CROZIER

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TWSI CAST IRON SIZES

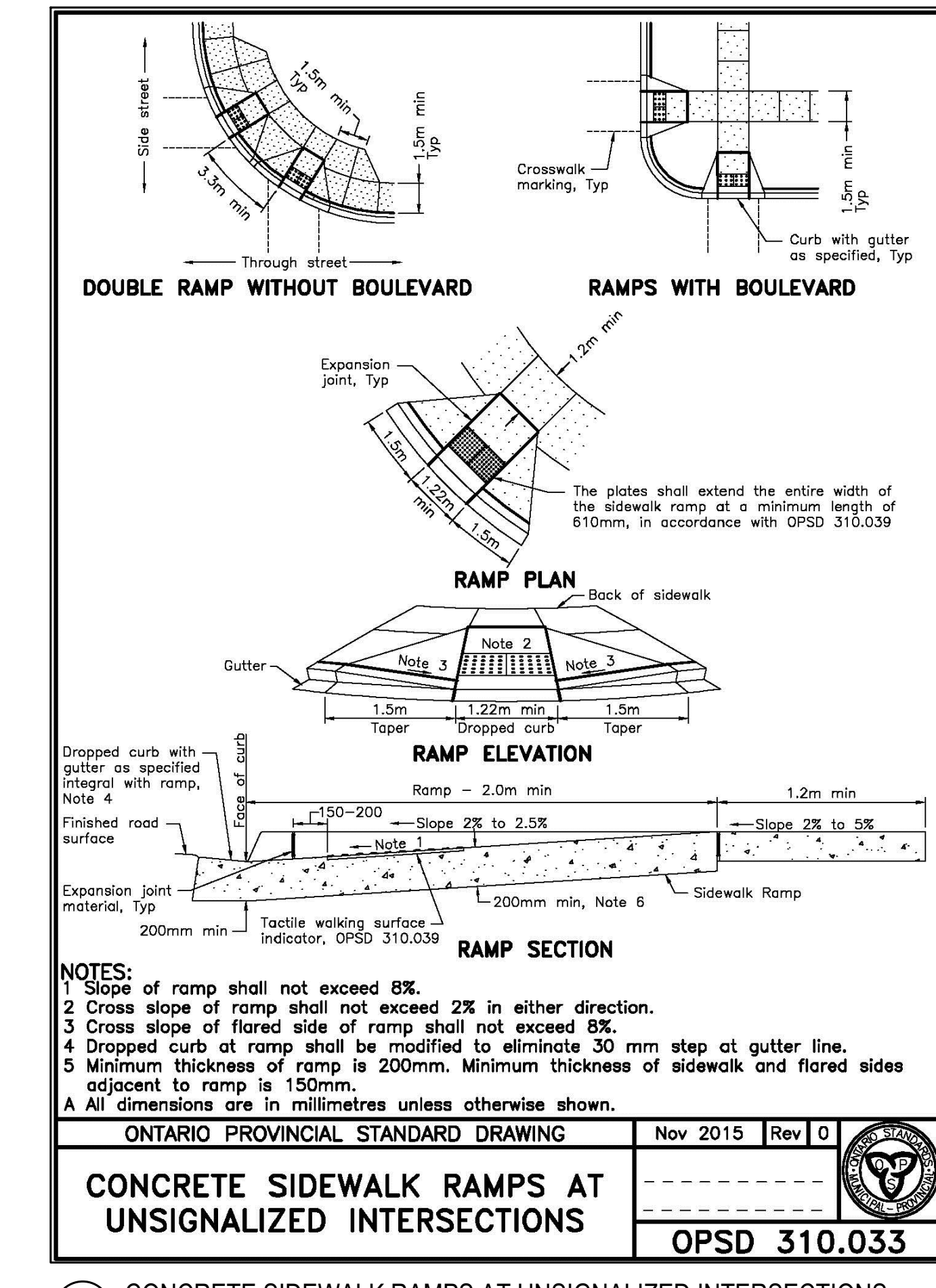
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200	200	200	200	2.0
250	250	250	250	2.5
300	300	300	300	3.0
350	350	350	350	3.5
400	400	400	400	4.0
450	450	450	450	4.5
500	500	500	500	5.0
550	550	550	550	5.5
600	600	600	600	6.0
650	650	650	650	6.5
700	700	700	700	7.0
750	750	750	750	7.5
800	800	800	800	8.0
850	850	850	850	8.5
900	900	900	900	9.0
950	950	950	950	9.5
1000	1000	1000	1000	10.0

TWSI WEBSITE FEATURES

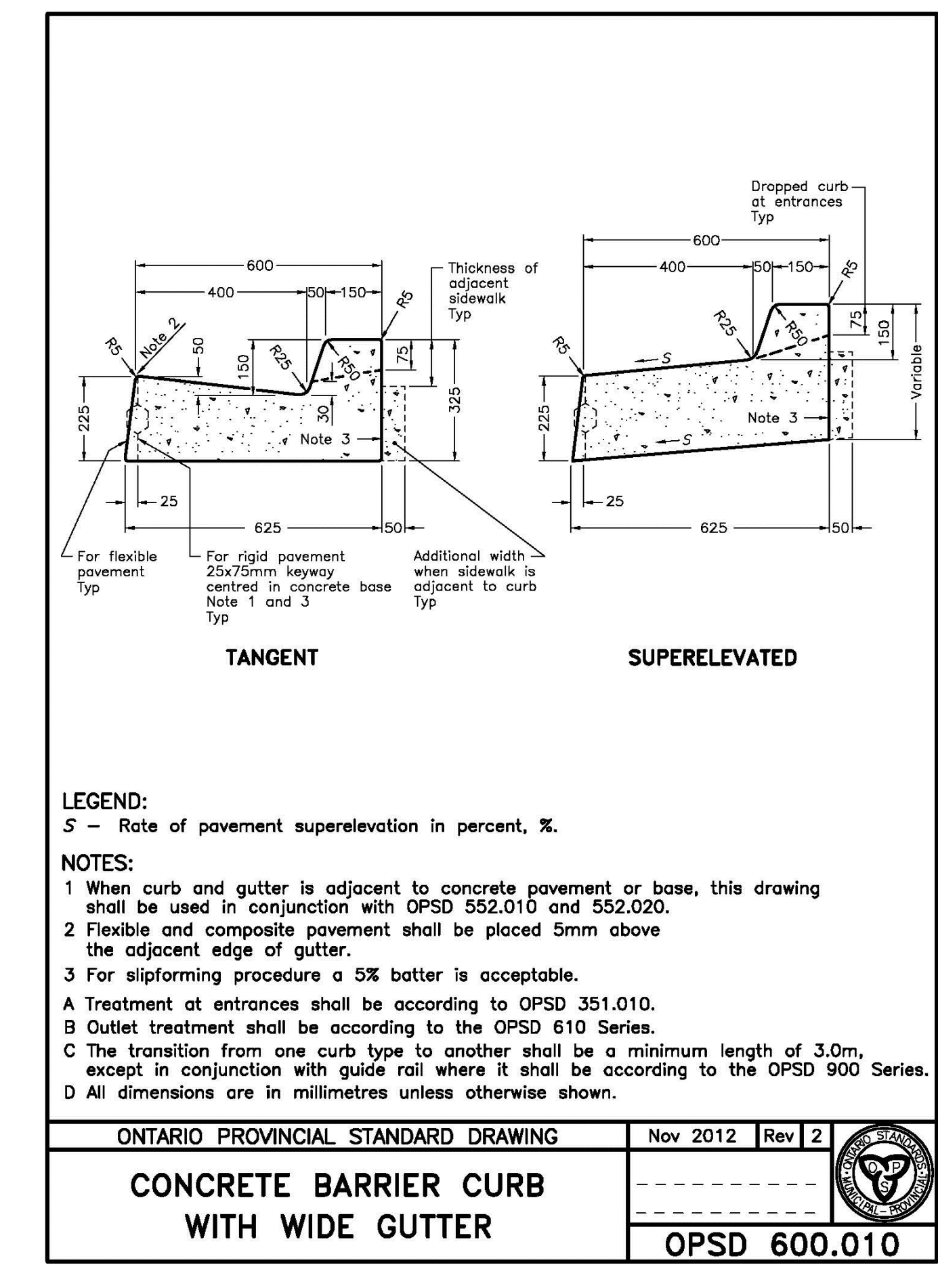
- AutocAD and PDF files
- Installation video
- Written installation instructions
- Plate specifications
- Plate combinations for 150° different radii

TWSI by Crozier
1 Yonge Street, Suite 1801
Toronto, Ontario, M5E 1W7
Canada

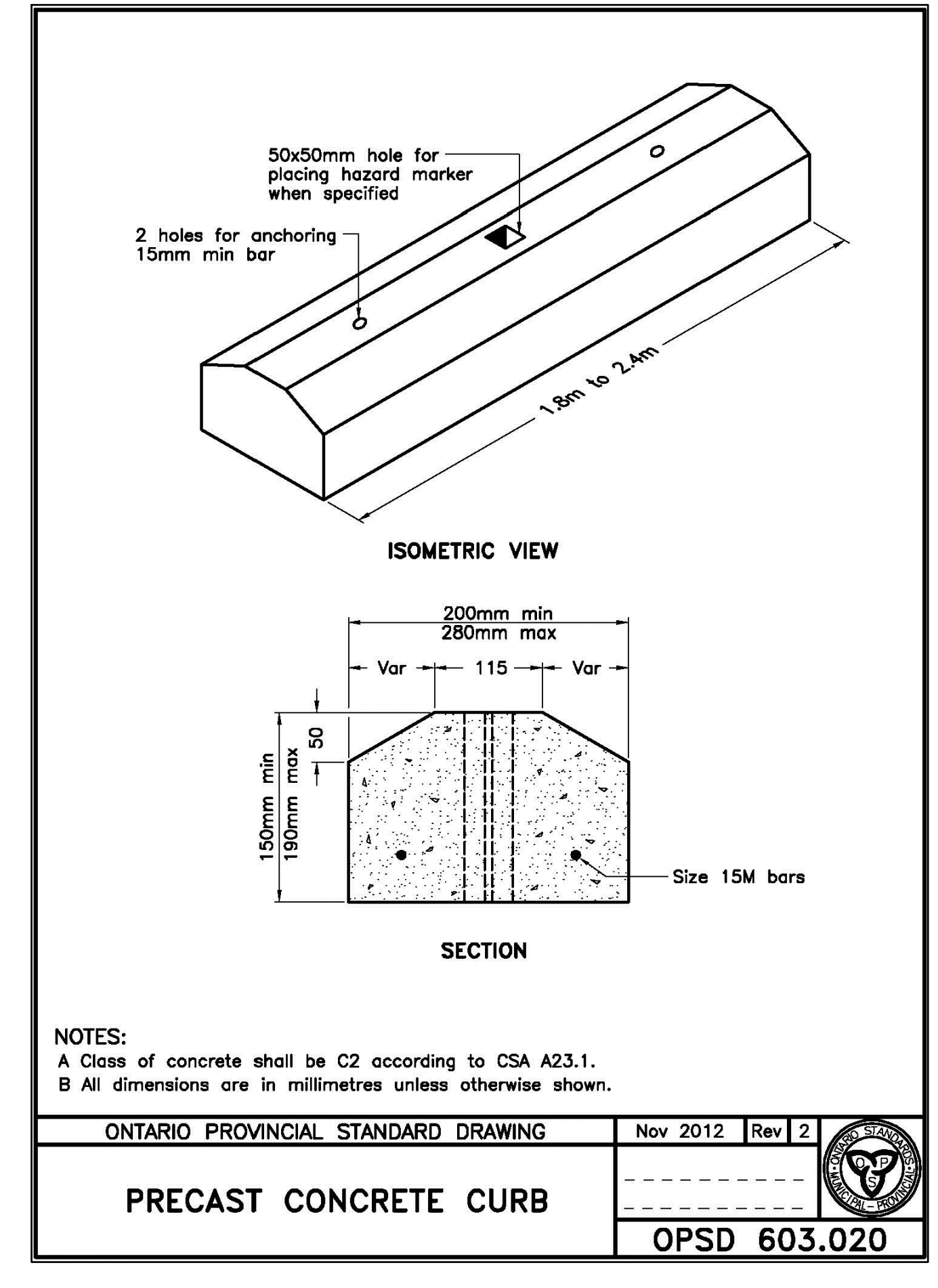
6 TACTILE WALKING SURFACE INDICATORS (T.W.S.I.) N.T.S.



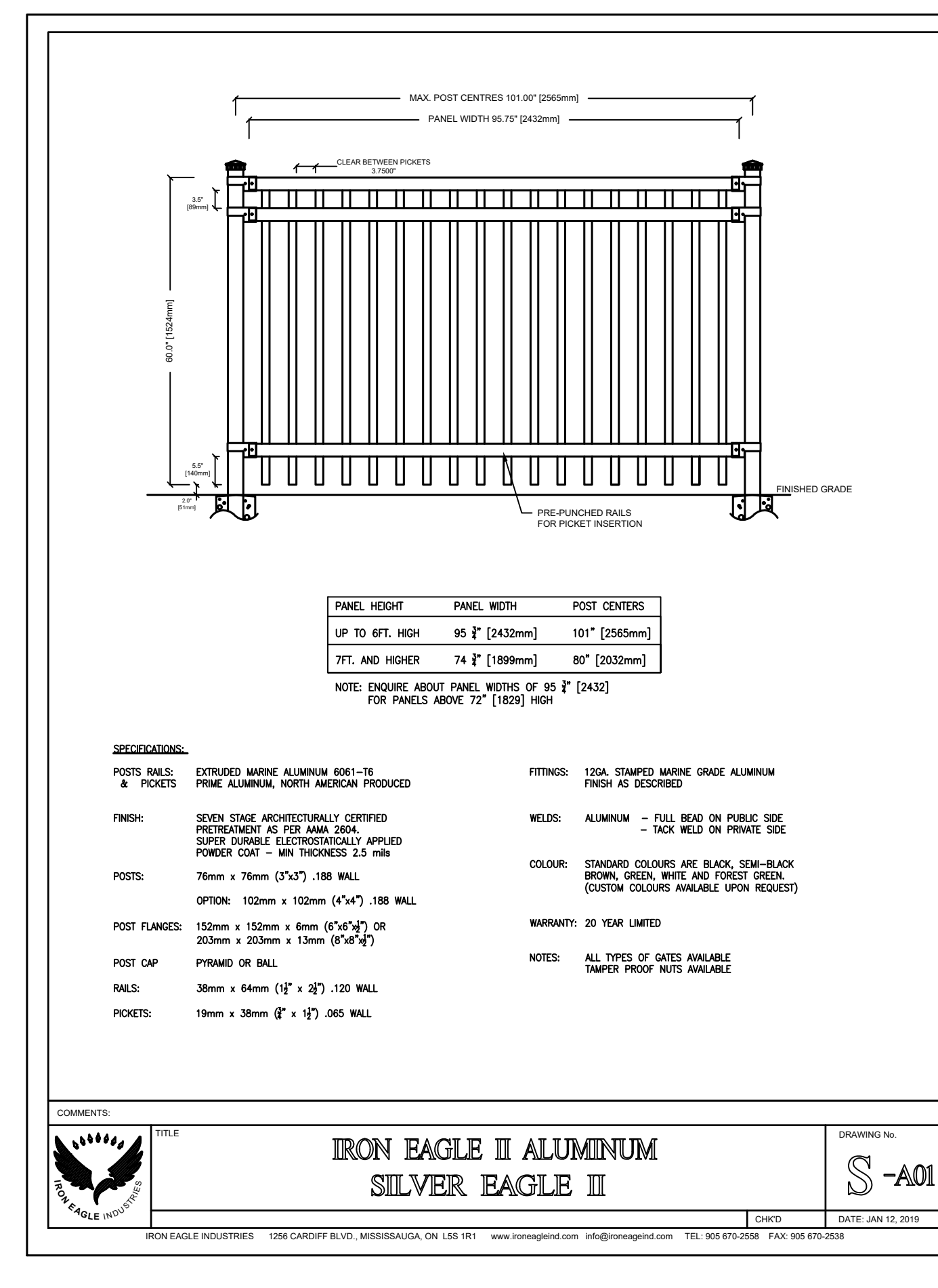
7 CONCRETE SIDEWALK RAMPS AT UNSIGNALIZED INTERSECTIONS N.T.S.



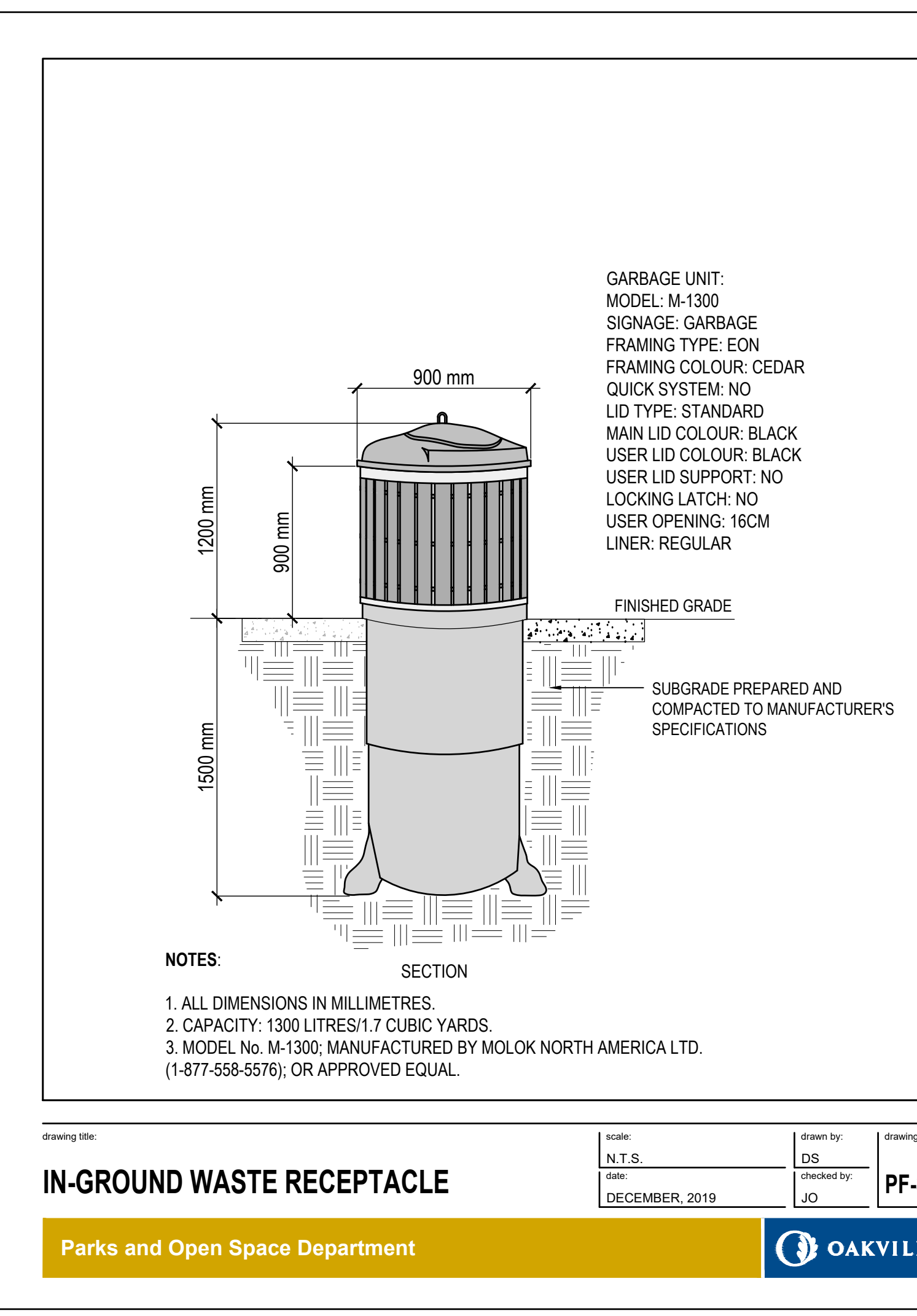
8 CONCRETE BARRIER CURB WITH WIDE GUTTER N.T.S.



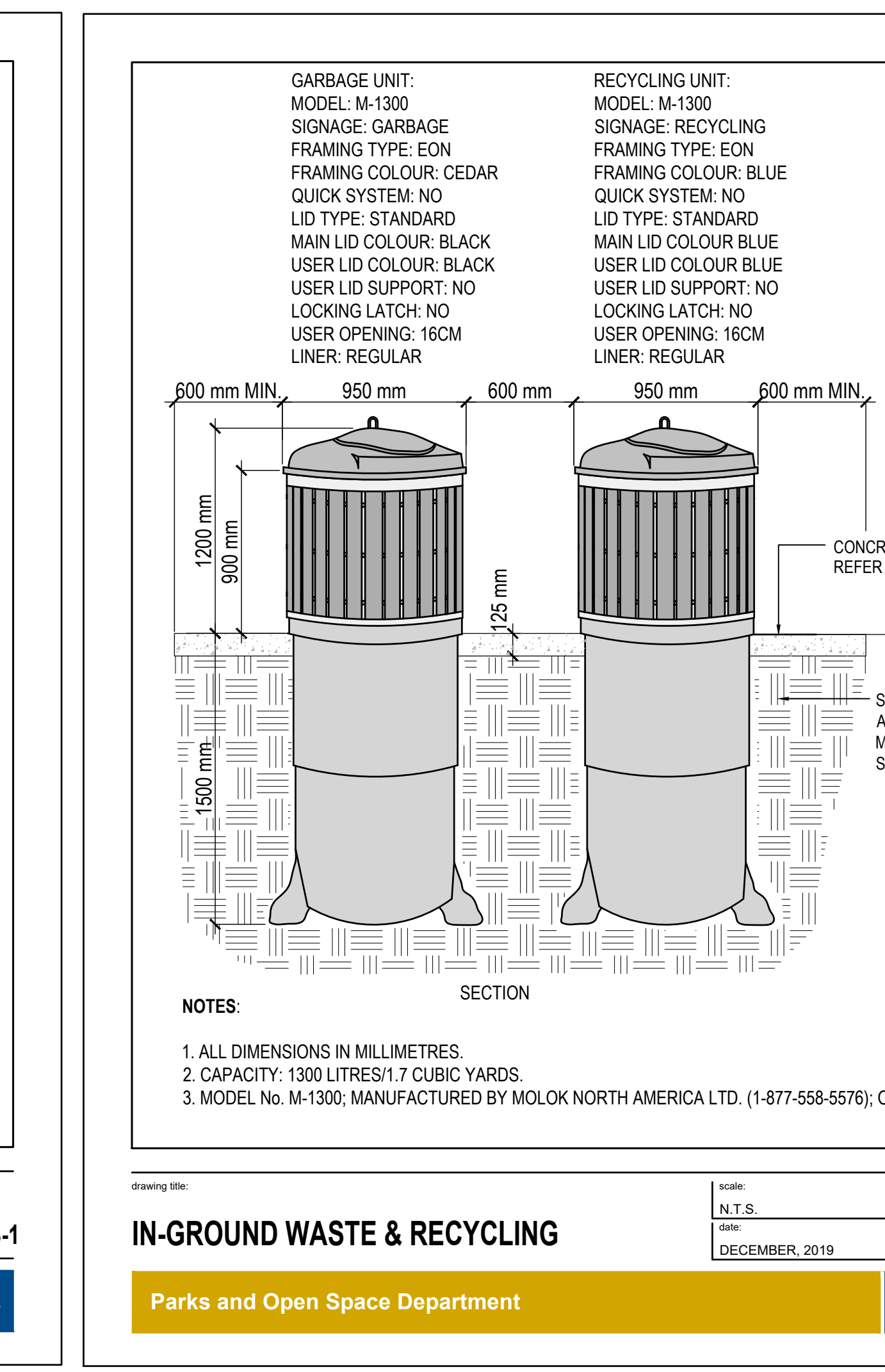
9 PRECAST CONCRETE BUMPER N.T.S.



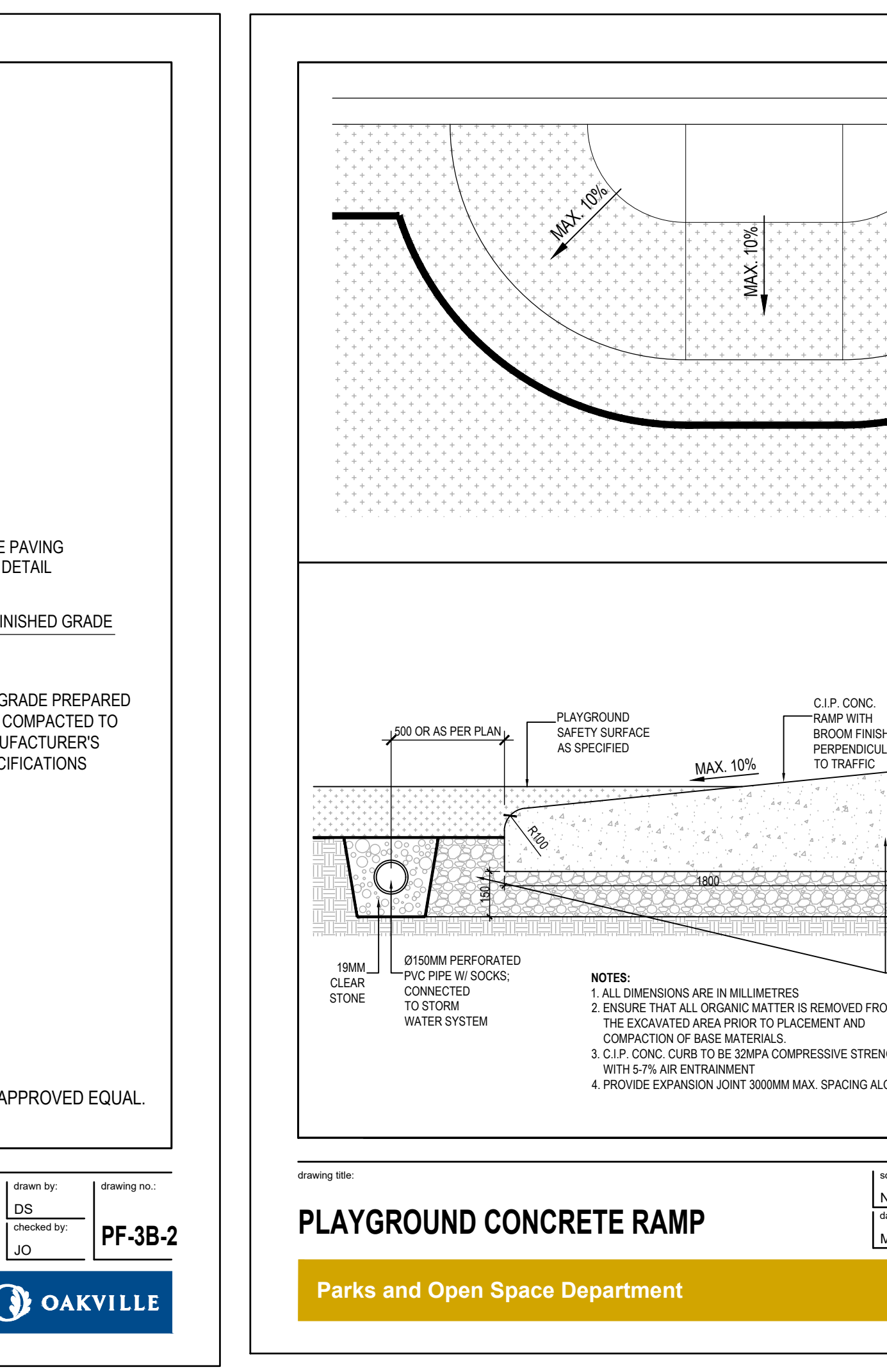
10 DECORATIVE METAL FENCE BY IRON EAGLE (MODEL XXX) OR APPROVED EQUAL N.T.S.



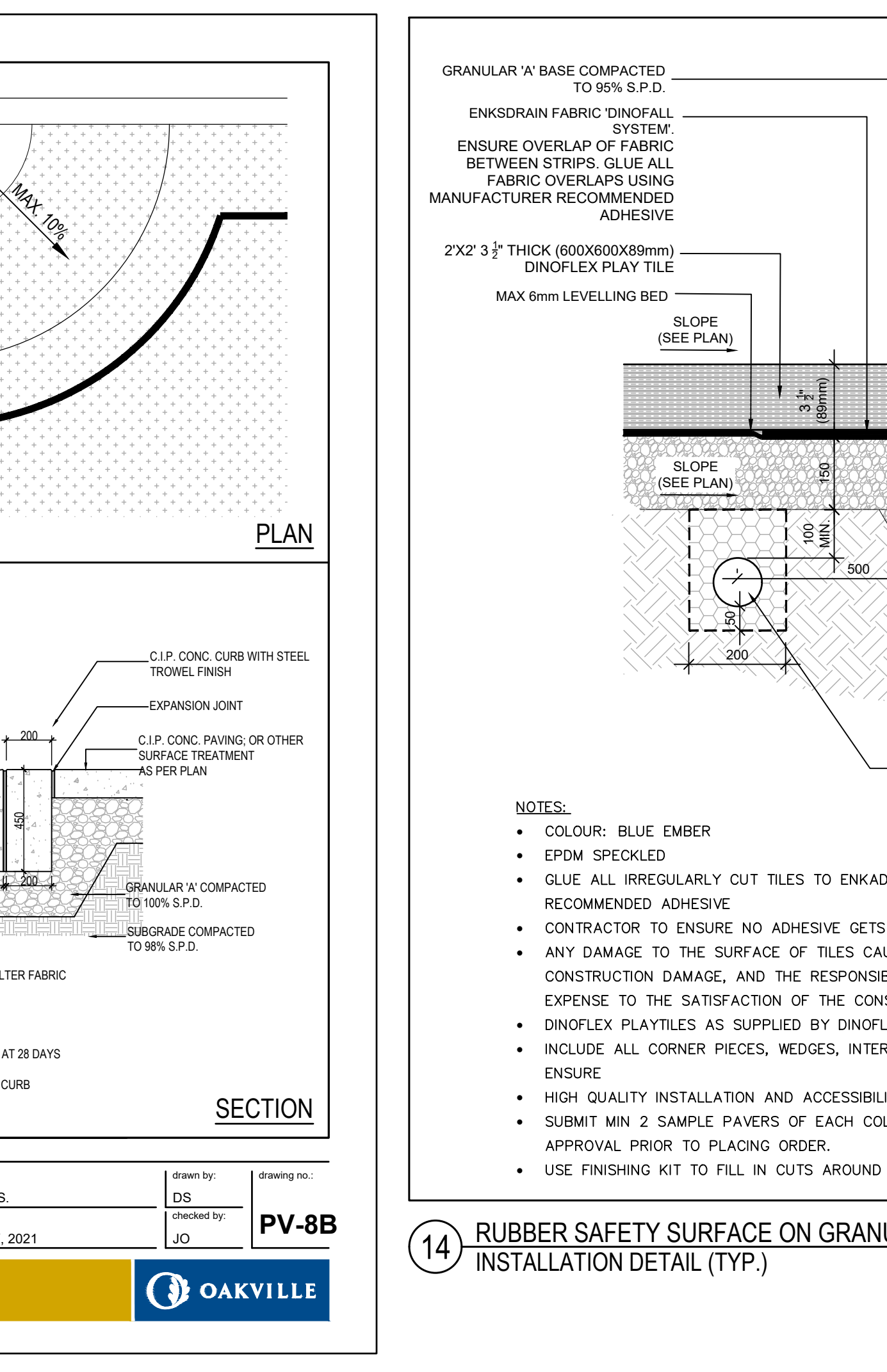
11 IN-GROUND WASTE RECEPTACLE N.T.S.



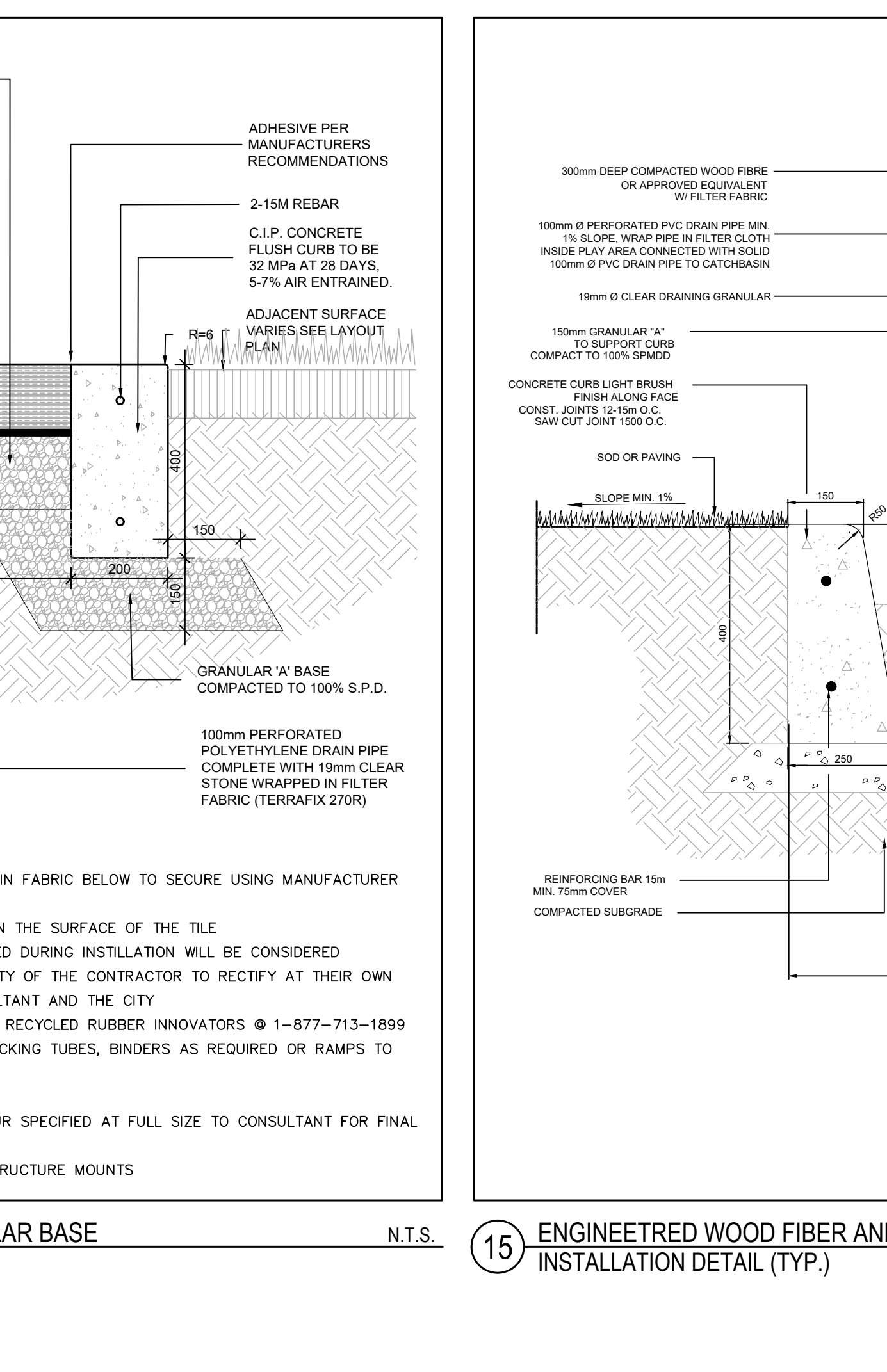
12 IN-GROUND WASTE AND RECYCLING RECEPTACLE N.T.S.



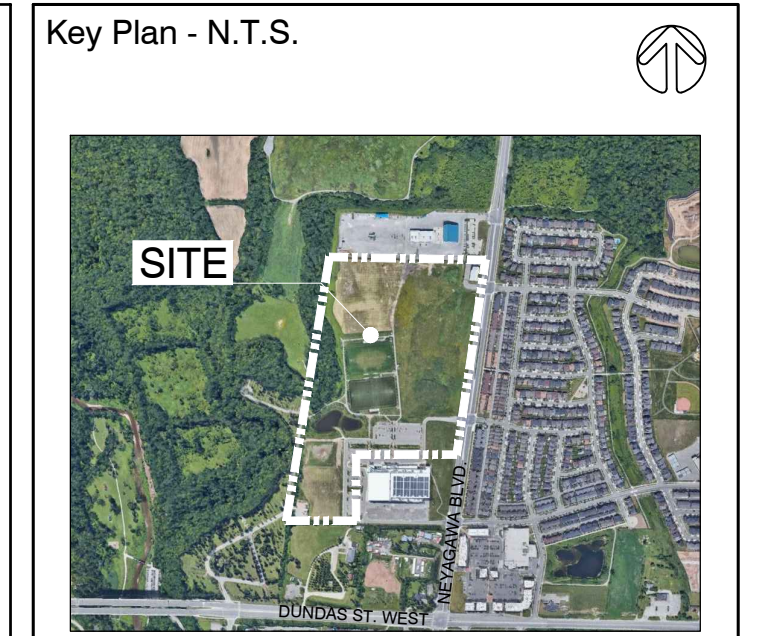
13 CONCRETE PLAY RAMP N.T.S.



14 RUBBER SAFETY SURFACE ON GRANULAR BASE INSTALLATION DETAIL (TYP.) N.T.S.



15 ENGINEERED WOOD FIBER AND CONCRETE CURB EDGE INSTALLATION DETAIL (TYP.) N.T.S.



2. 02.04.2022 Issued for SPA (1st Submission) JJ

1. 01.26.2022 Issued for Coordination JJ

No Date Revisions Issued by

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DESIGNATION OF LABEL
PEEL OFF HERE
OAKVILLE
DESIGNED BY

Client: **OAKVILLE**

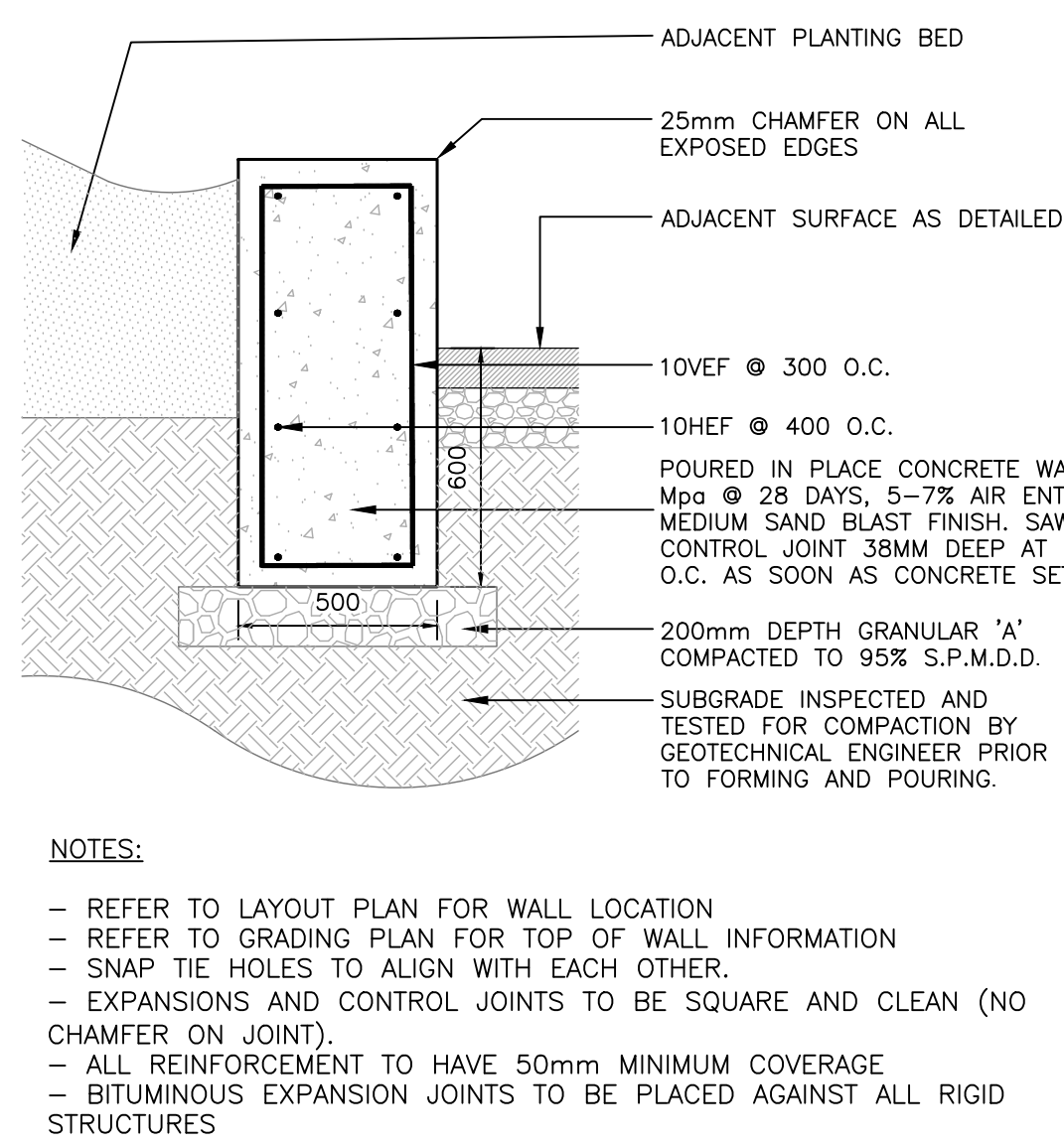
Consultant: **the mbtw group**
1000 Lakeshore Blvd. East, Suite 1000, Oakville, Ontario L6L 1A5
Tel: 905.335.1111 Fax: 905.335.1112

Project Name: **NORTH PARK DEVELOPMENT: COMMUNITY CENTRE, LIBRARY AND SPORTS PARK**

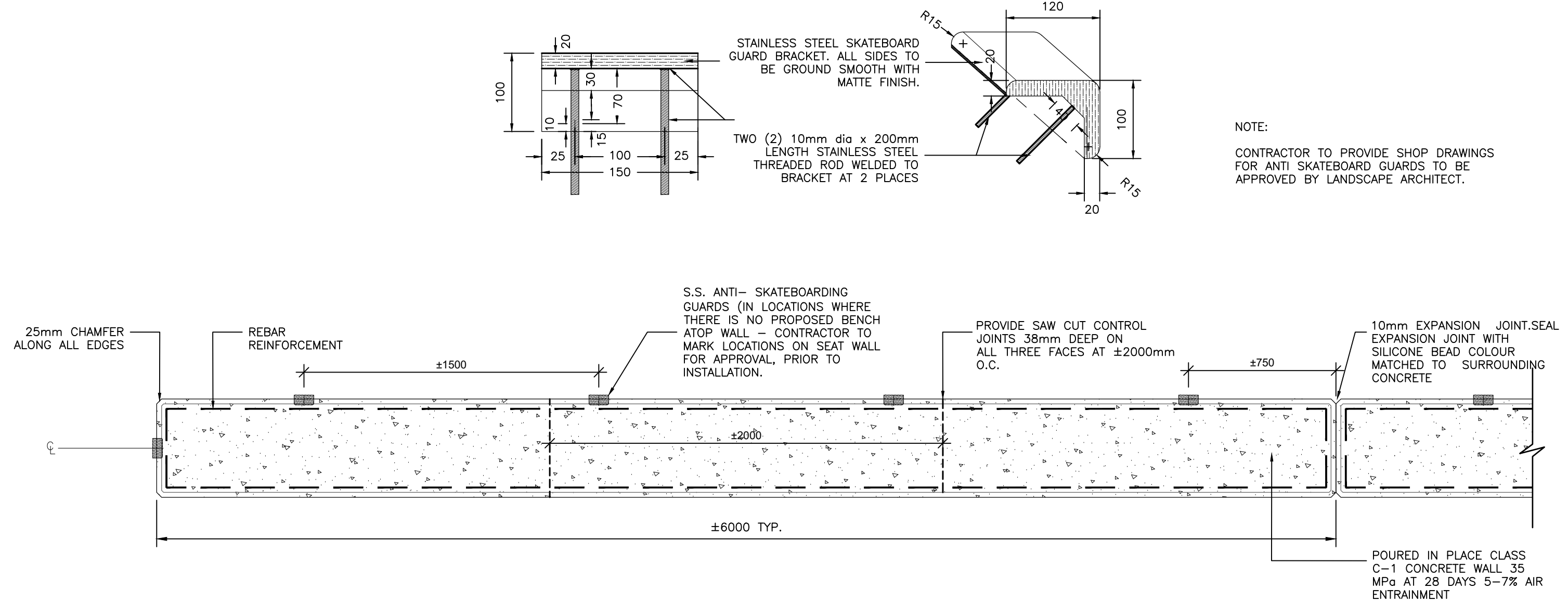
Municipality: **Town of Oakville**

Sheet Title: **PAVING DETAILS**

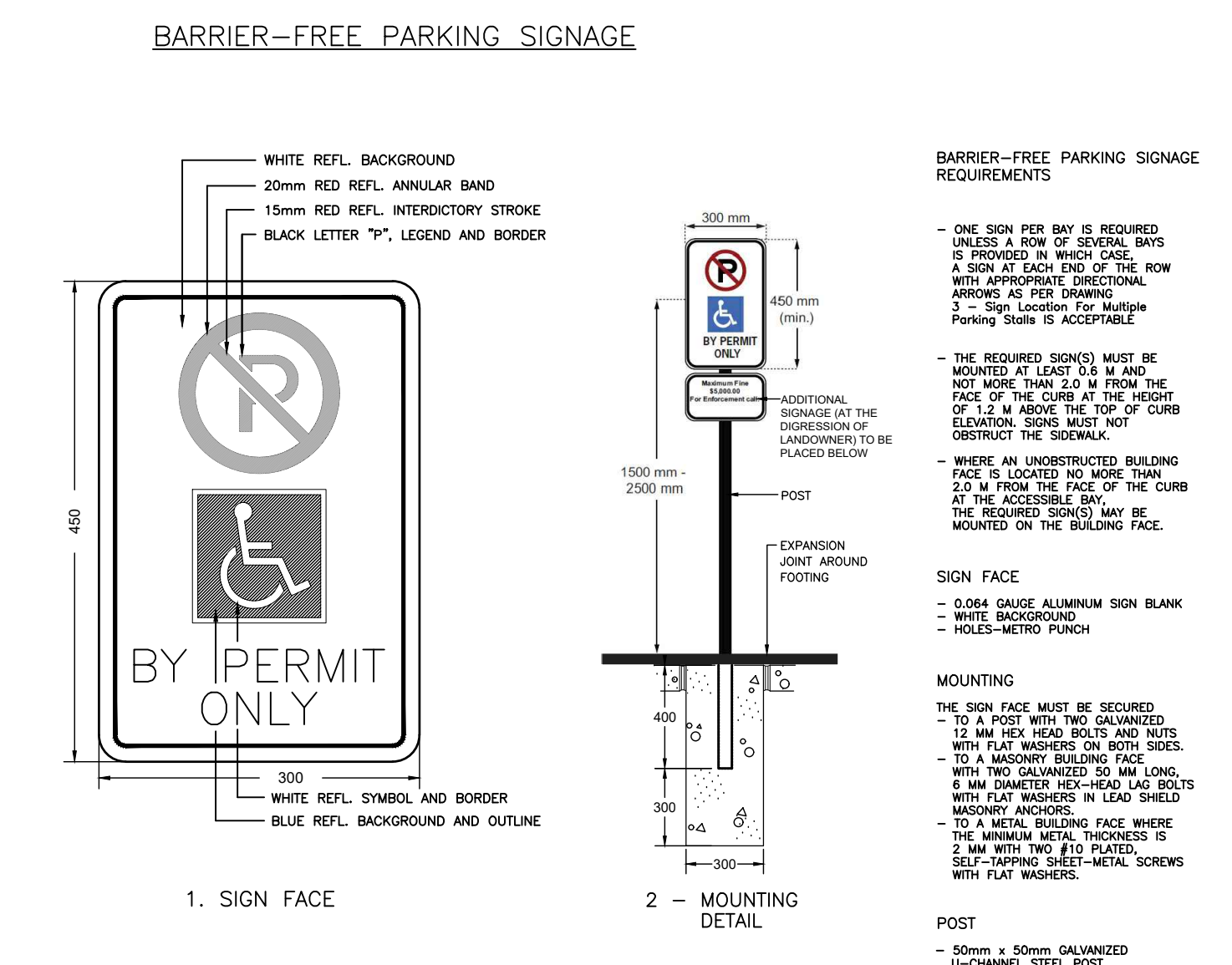
Designed: JJ Drawn: DS Scale: AS NOTED Drawing No.: D-2
Date of Drawing: November 2021 Job No.: TOA039



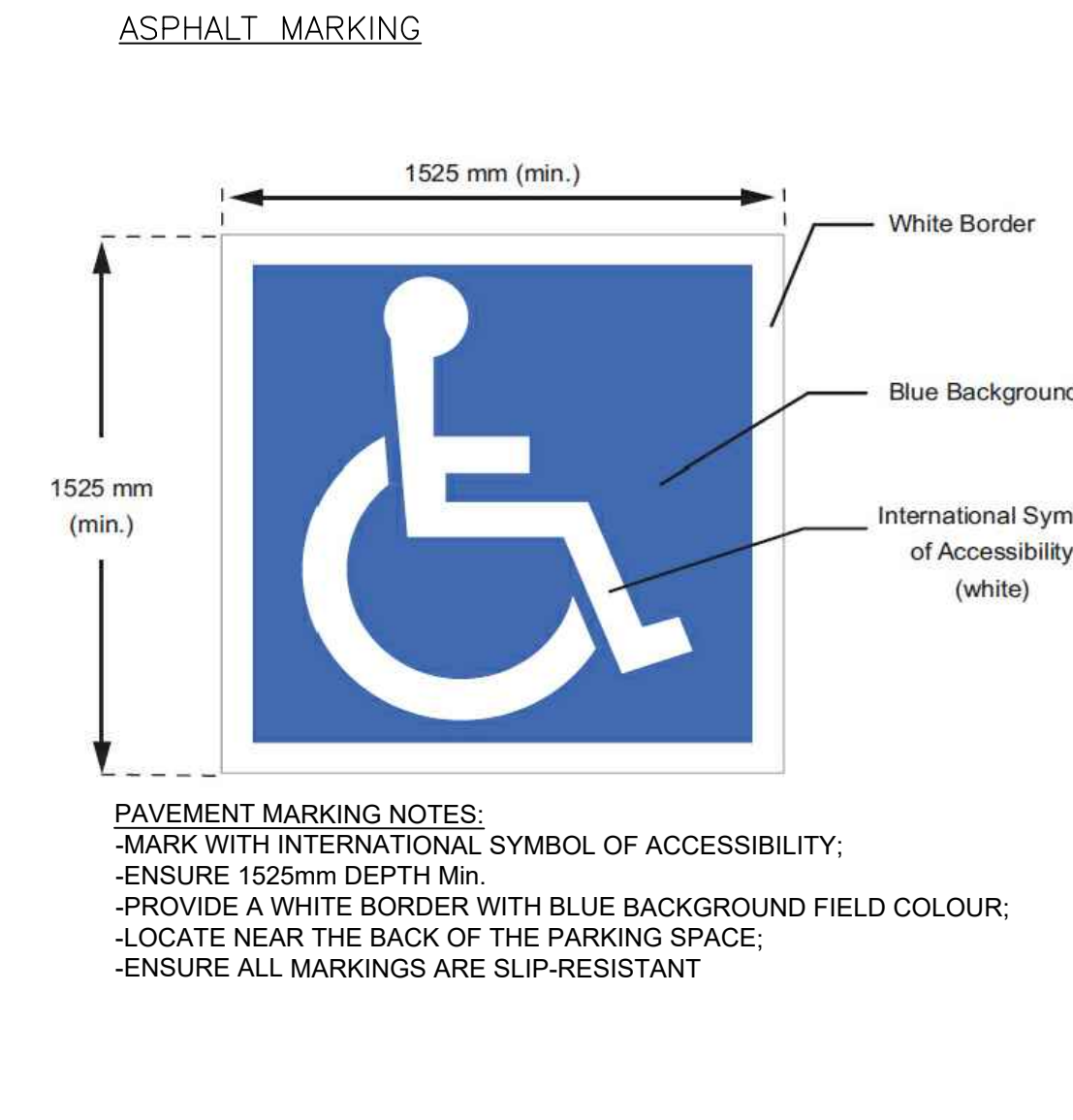
1 CONCRETE SEAT WALL



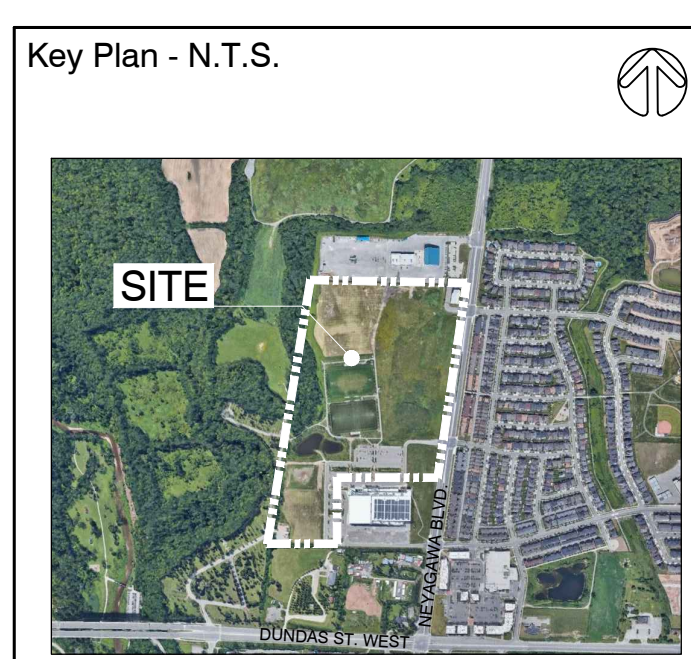
N.T.S.



2 ACCESSIBLE PARKING SIGNAGE AND PAVEMENT MARKINGS



N.T.S.



Key Plan - N.T.S.

MBE-2300-00057

ICONIC

MATERIALS: The legs and arms are aluminum castings. The boards are made from thermally modified Ash wood. All brackets are made of steel.

FINISH: The Maglin Powdercoat System provides a durable finish on all aluminum castings. The wood boards are treated with penetrating sealers. The steel brackets are e-coated and powdercoated.

INSTALLATION: The bench is delivered pre-assembled. The legs have 7/16" holes for anchoring.

TO SPECIFY: Select MBE-2300-00057
Choice: Powdercoat Color

HEIGHT: 33 1/4" (84.9cm) LENGTH: 70" (177.8cm) DEPTH: 20 1/8" (50.8cm) WEIGHT: 63 lbs (28.6kg)

3 BENCH - BACKED BY MAGLIN (MODEL XXX) OR APPROVED EQUAL

MBE-2300-00066

ICONIC

MATERIALS: The legs and arms are aluminum castings. The boards are made from thermally modified Ash wood. All brackets are made of steel.

FINISH: The Maglin Powdercoat System provides a durable finish on all aluminum castings. The wood boards are treated with penetrating sealers. The steel brackets are e-coated and powdercoated.

INSTALLATION: The bench is delivered pre-assembled. The legs have 7/16" holes for anchoring.

TO SPECIFY: Select MBE-2300-00066
Choice: Powdercoat Color

HEIGHT: 18" (45.7cm) LENGTH: 70" (177.8cm) DEPTH: 20 1/8" (50.8cm) WEIGHT: 24 lbs (10.9kg)

4 BENCH - BACKLESS WITH ARMS BY MAGLIN (MODEL XXX) OR APPROVED EQUAL

MBE-2300-00059

ICONIC

MATERIALS: The legs are aluminum castings. The boards are made from thermally modified Ash wood. All brackets are made of steel.

FINISH: The Maglin Powdercoat System provides a durable finish on all aluminum castings. The wood boards are treated with penetrating sealers. The steel brackets are e-coated and powdercoated.

INSTALLATION: The bench is delivered pre-assembled. The legs have 7/16" holes for anchoring.

TO SPECIFY: Select MBE-2300-00059
Choice: Powdercoat Color

HEIGHT: 18" (45.7cm) LENGTH: 70" (177.8cm) DEPTH: 20 1/8" (50.8cm) WEIGHT: 43 lbs (19.5kg)

5 BENCH - BACKLESS WITHOUT ARMS BY MAGLIN (MODEL XXX) OR APPROVED EQUAL

MTB-2300-00004

ICONIC

MATERIALS: The legs are aluminum castings. The boards are made from thermally modified Ash wood. All brackets are made of steel.

FINISH: The Maglin Powdercoat System provides a durable finish on all aluminum castings. The wood boards are treated with penetrating sealers. The steel brackets are e-coated and powdercoated.

INSTALLATION: The table is delivered pre-assembled. The legs have 7/16" holes for anchoring.

TO SPECIFY: Select MTB-2300-00004
Choice: Powdercoat Color

HEIGHT: 30" (76.2cm) LENGTH: 70" (177.8cm) DEPTH: 35 5/8" (91.3cm) WEIGHT: 100 lbs (45.4kg)

6 DINING HEIGHT TABLE BY MAGLIN (MODEL XXX) OR APPROVED EQUAL

MBO-0500-00001

500 SERIES

Heritage # MTB500-B1

MATERIALS: The bollard is constructed of H.S. steel tube.

FINISH: The bollard is protected with E-Coat rust proofing and finished with the Maglin Powdercoat System.

INSTALLATION: Base type - B1 bollard is supplied with additional 18" of tubing to be set in concrete. Bollard is permanently fixed in place.

TO SPECIFY: Select MBO-0500-00001
Choice: Powdercoat Color

HEIGHT: 34.8" (884mm) DIAMETER: 4.8" (121mm) WEIGHT: 474 lbs (215 kg)

7 BOLLARD - FIXED BY MAGLIN (MODEL MBR-0300-00001) OR APPROVED EQUAL

MBO-0500-00008

500 SERIES

Legacy # MTB500-B4

MATERIALS: The bollard is constructed of H.S. steel tube.

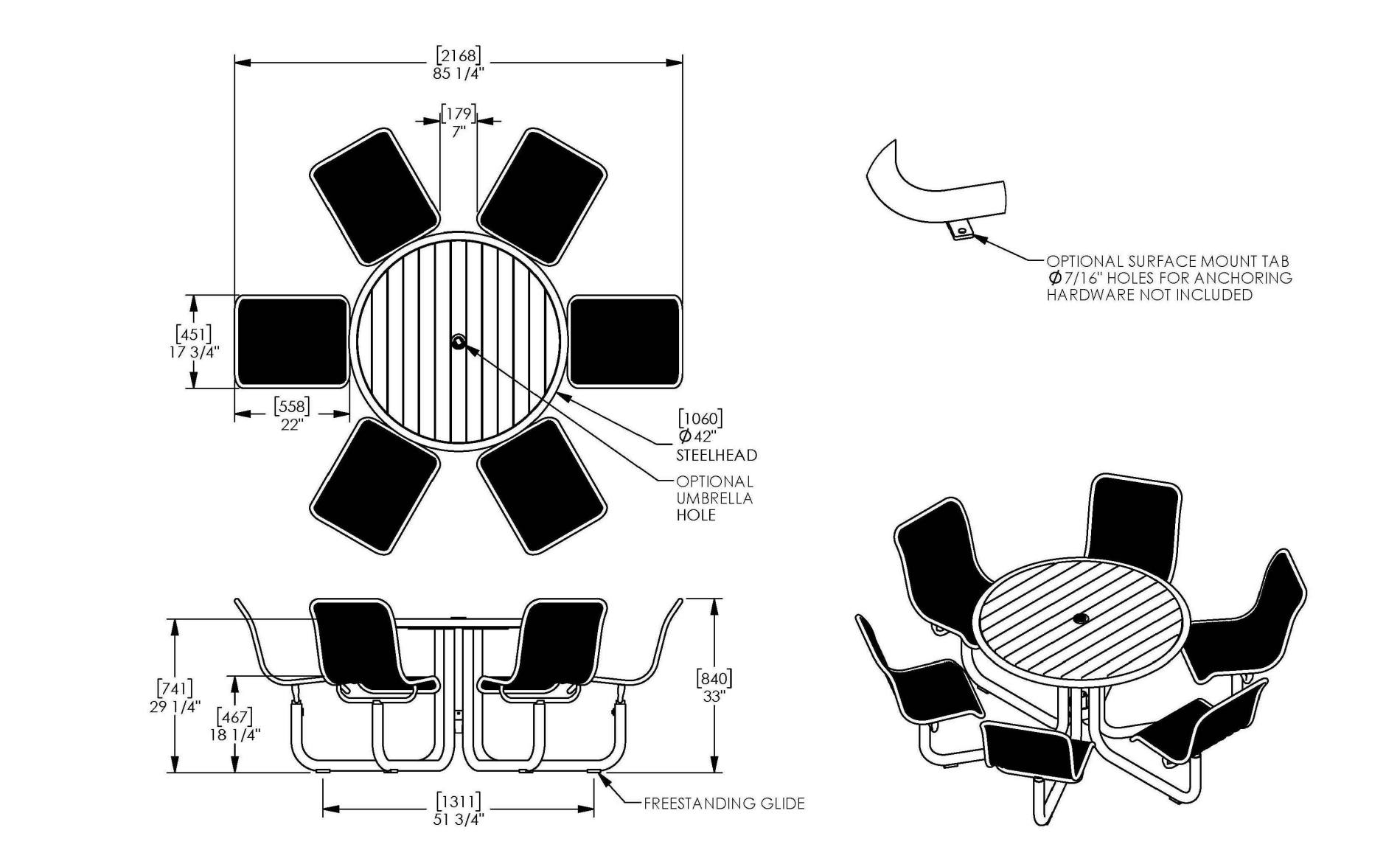
FINISH: The bollard is protected with E-Coat rust proofing and finished with the Maglin Powdercoat System.

INSTALLATION: Base type - B4 bollard sleeve is set into concrete. Bollard slides over sleeve and is fastened together by a pin through flange and inner tube. A postlock can be used to lock the bollard in position.

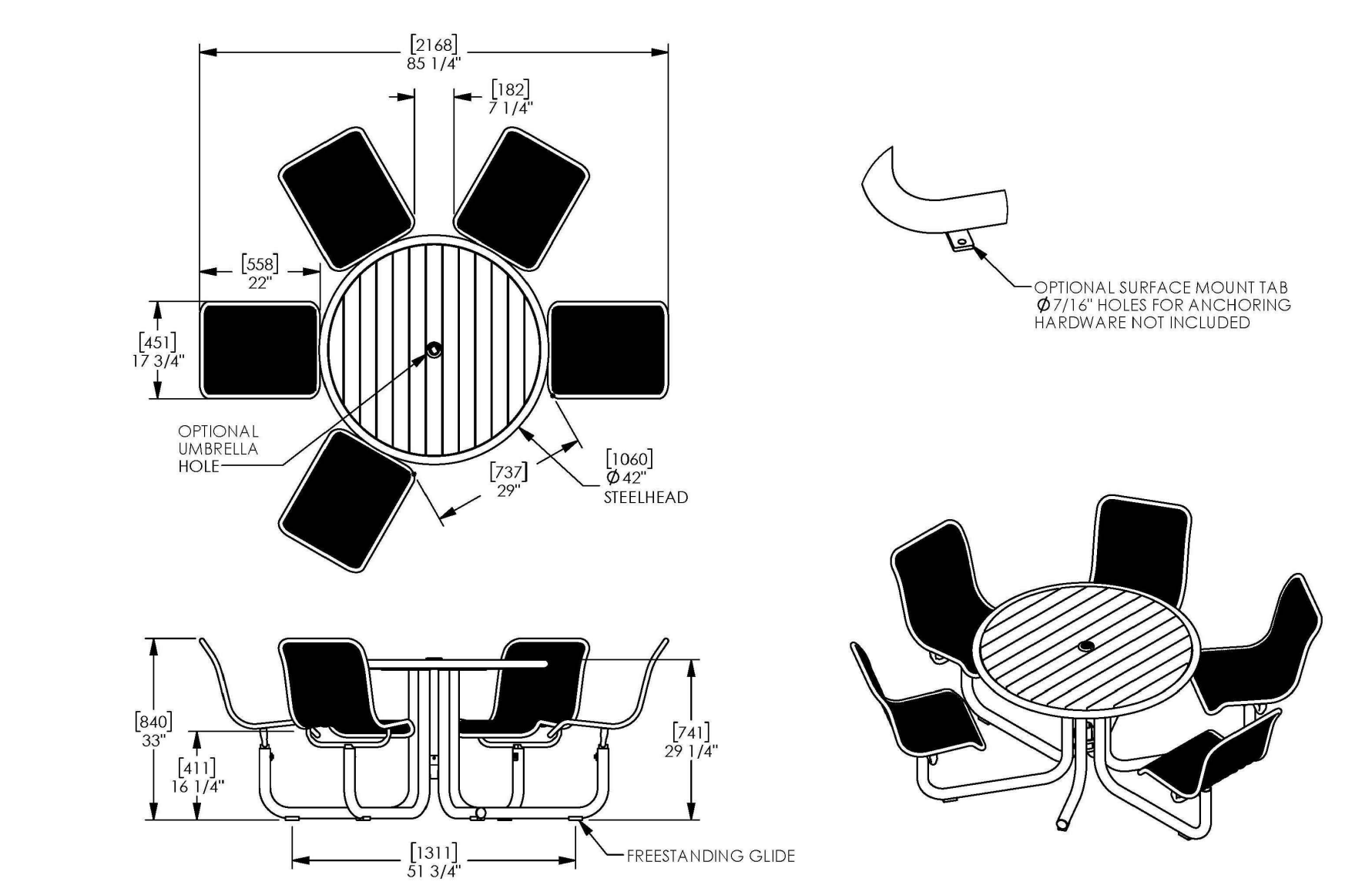
TO SPECIFY: Select MBO-0500-00008
Choice: Powdercoat Color

HEIGHT: 34.8" (884mm) DIAMETER: 4.8" (121mm) WEIGHT: 46.5 lbs (20.8 kg)

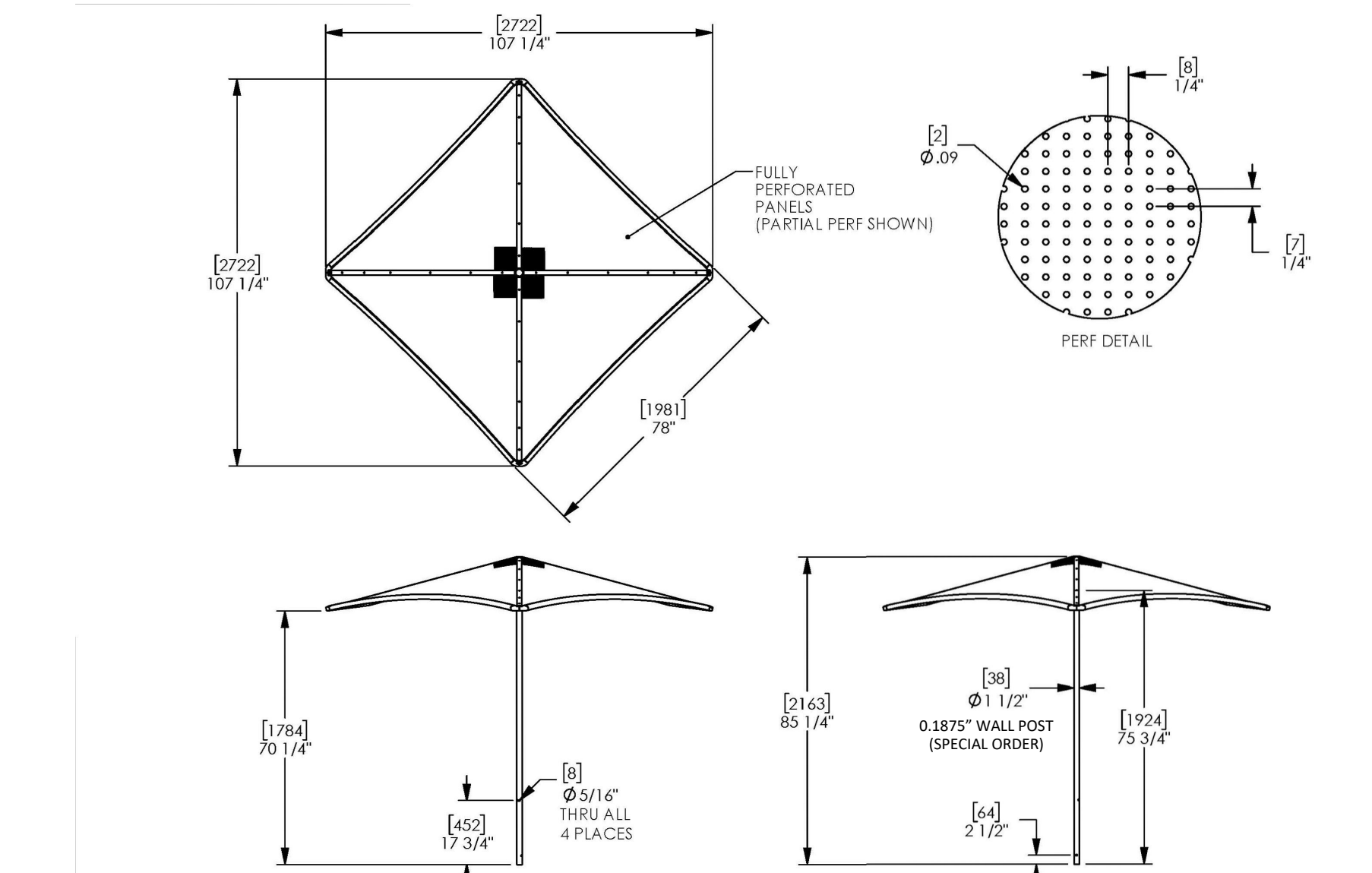
8 BOLLARD - REMOVABLE BY MAGLIN (MODEL MBR-0300-00001) OR APPROVED EQUAL



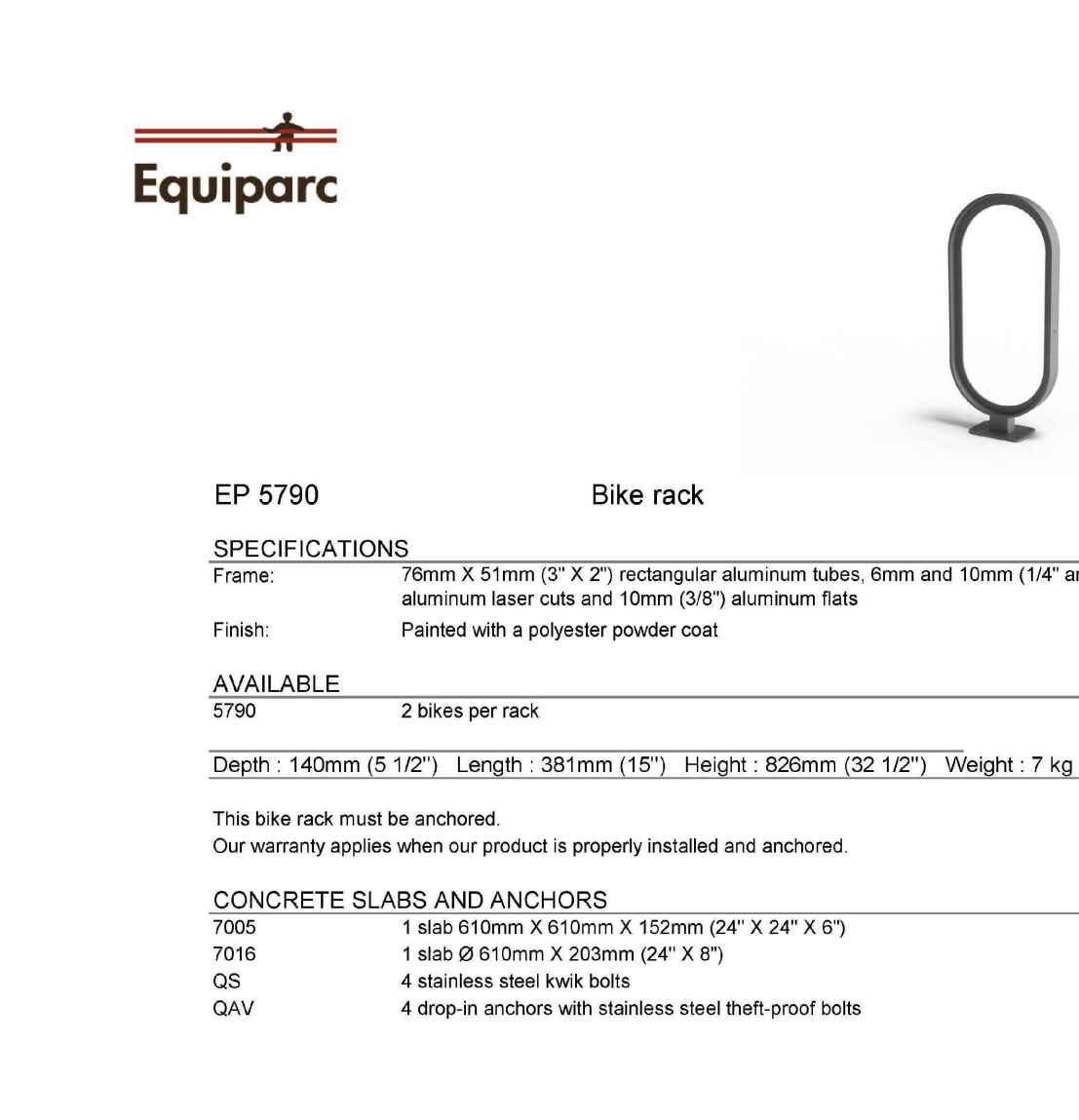
9 METAL TABLE WITH CHAIRS - 6 SEAT BY LANDSCAPE FORMS (MODEL XXX) OR APPROVED EQUAL



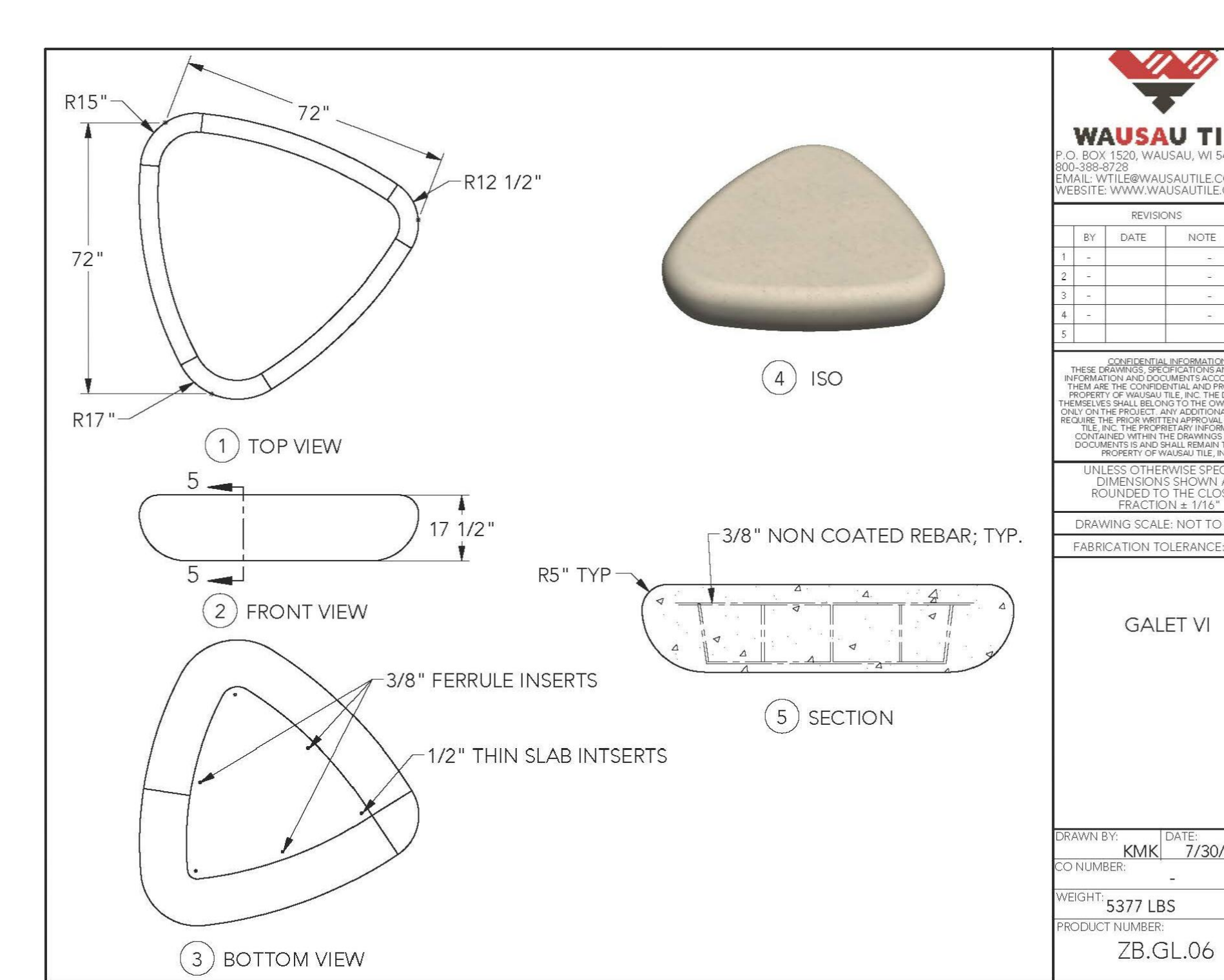
10 METAL TABLE WITH CHAIRS - 5 SEAT BY LANDSCAPE FORMS (MODEL XXX) OR APPROVED EQUAL



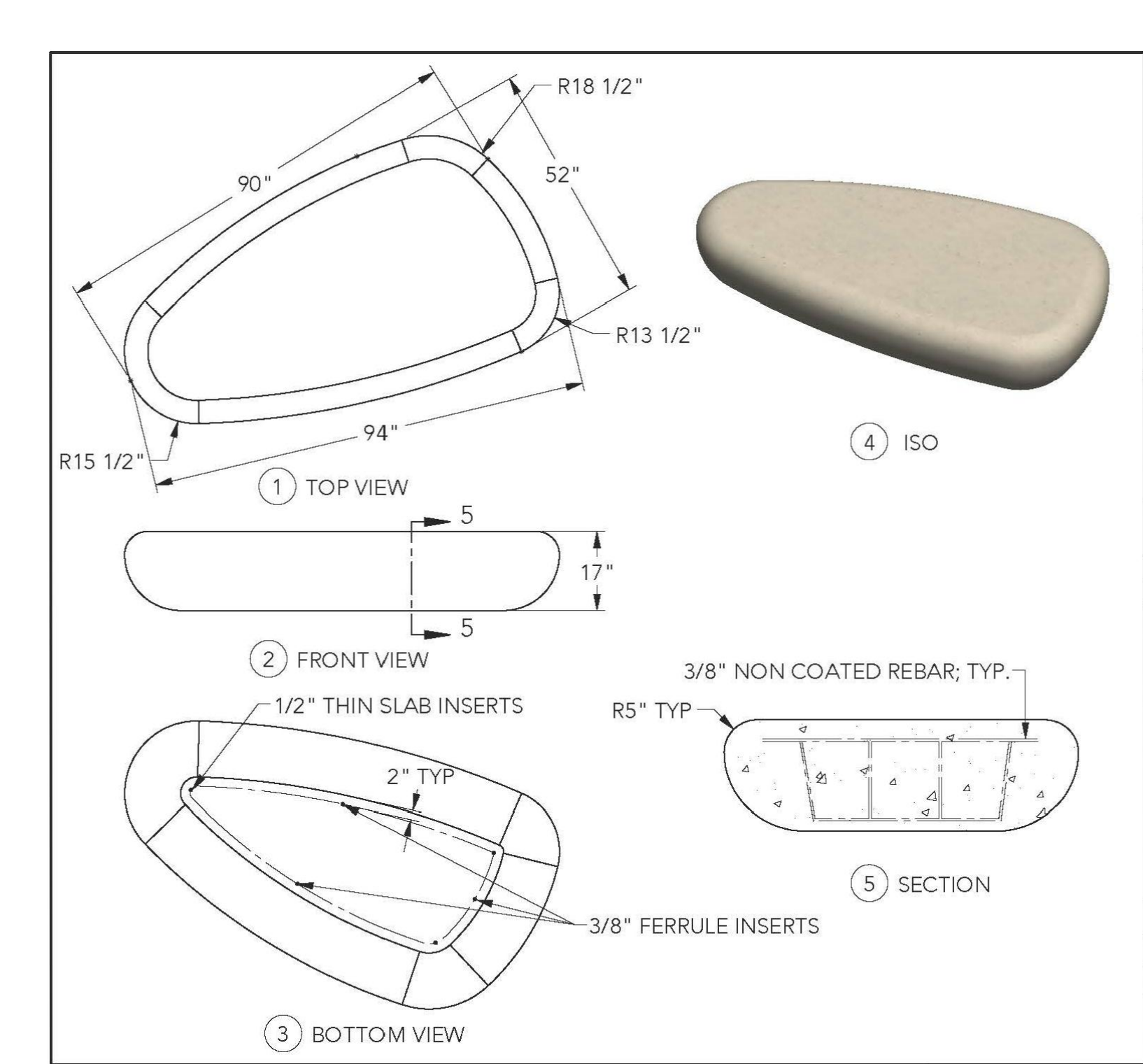
11 STEEL UMBRELLA BY LANDSCAPE FORMS (MODEL XXX) OR APPROVED EQUAL



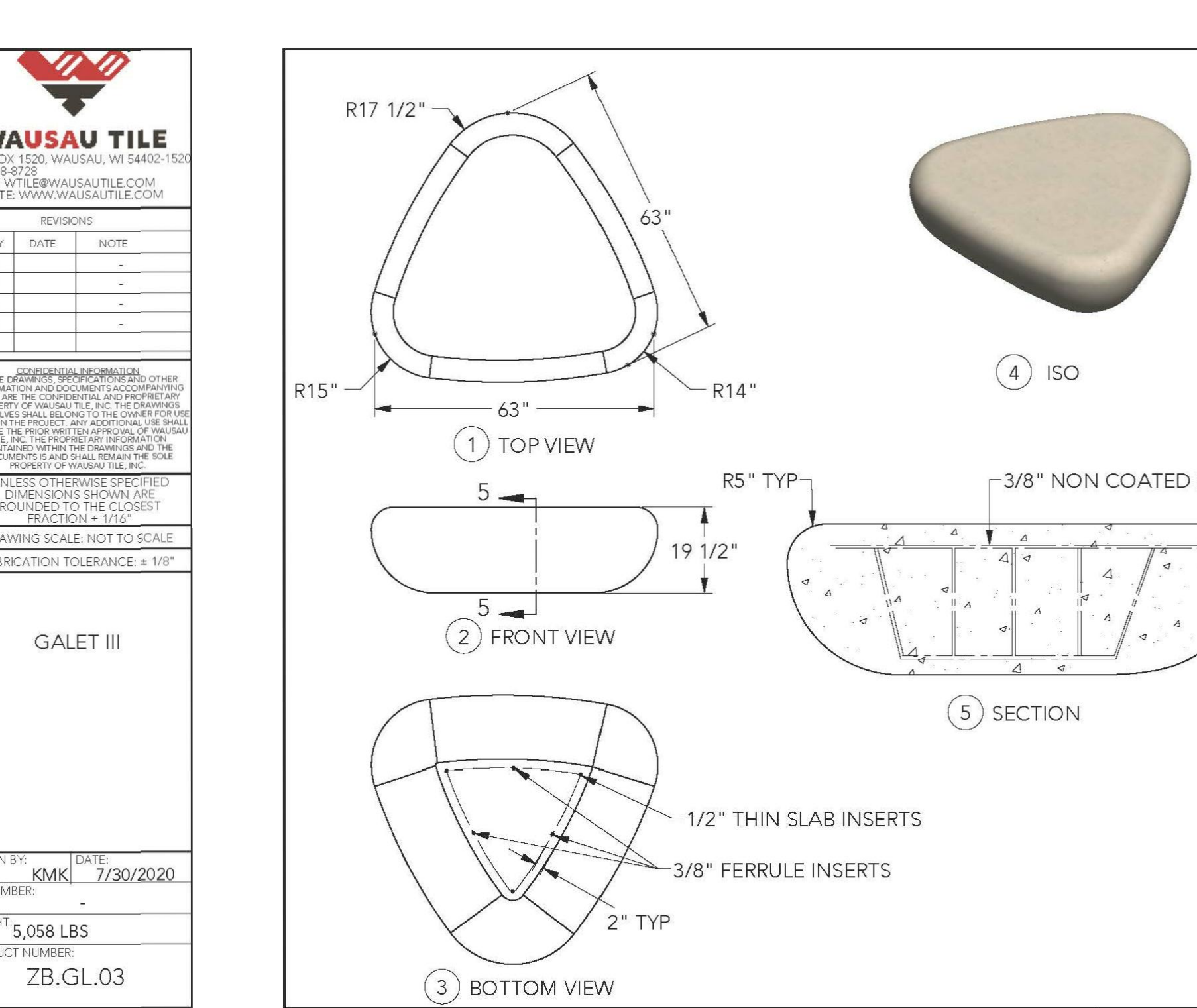
12 BIKE RACK BY EQUIPARC (MODEL XXX) OR APPROVED EQUAL



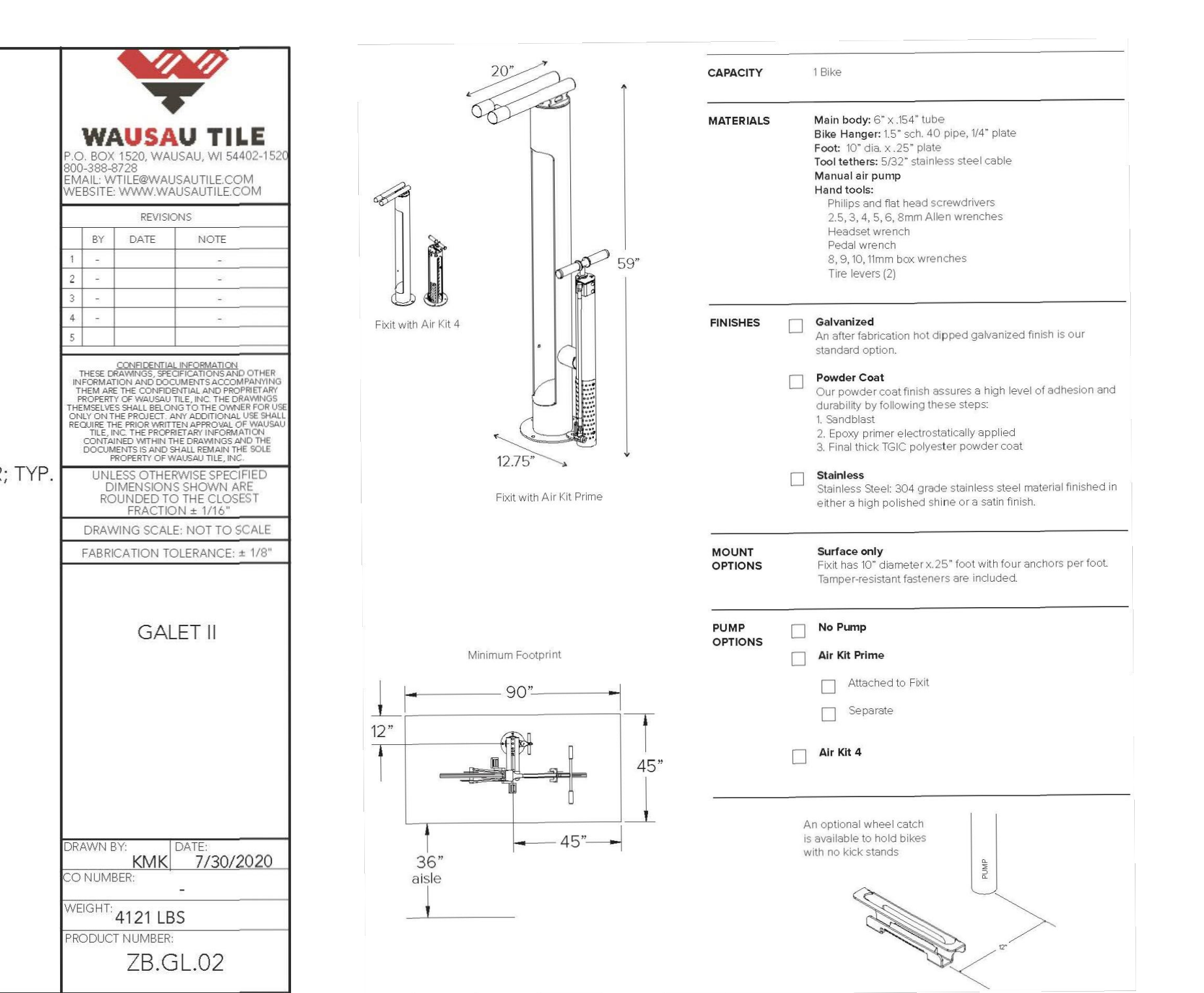
13 FEATURE SEATING BY WAUSAU TILE (MODEL XXX) OR APPROVED EQUAL



14 BIKE REPAIR STATION BY DERO (MODEL XXX) OR APPROVED EQUAL



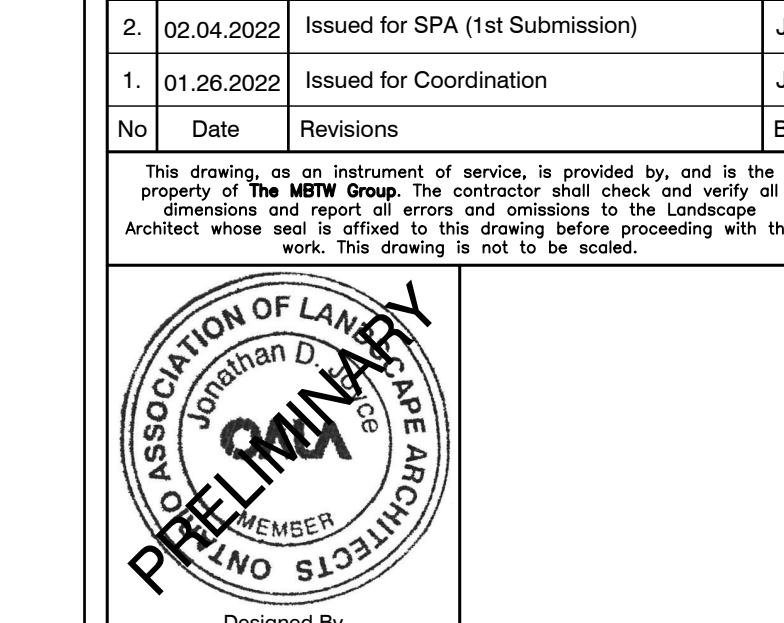
14 BIKE REPAIR STATION BY DERO (MODEL XXX) OR APPROVED EQUAL

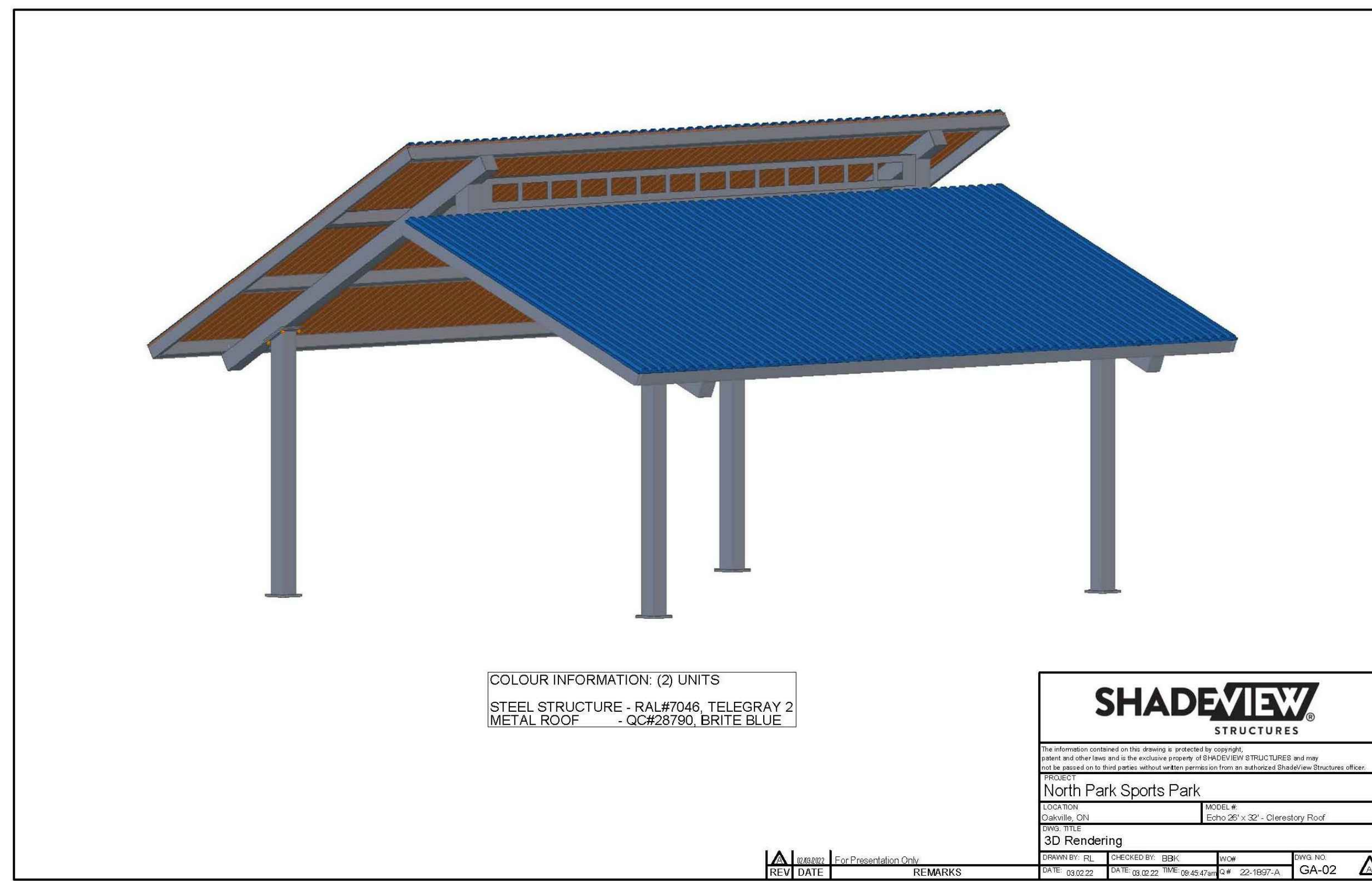


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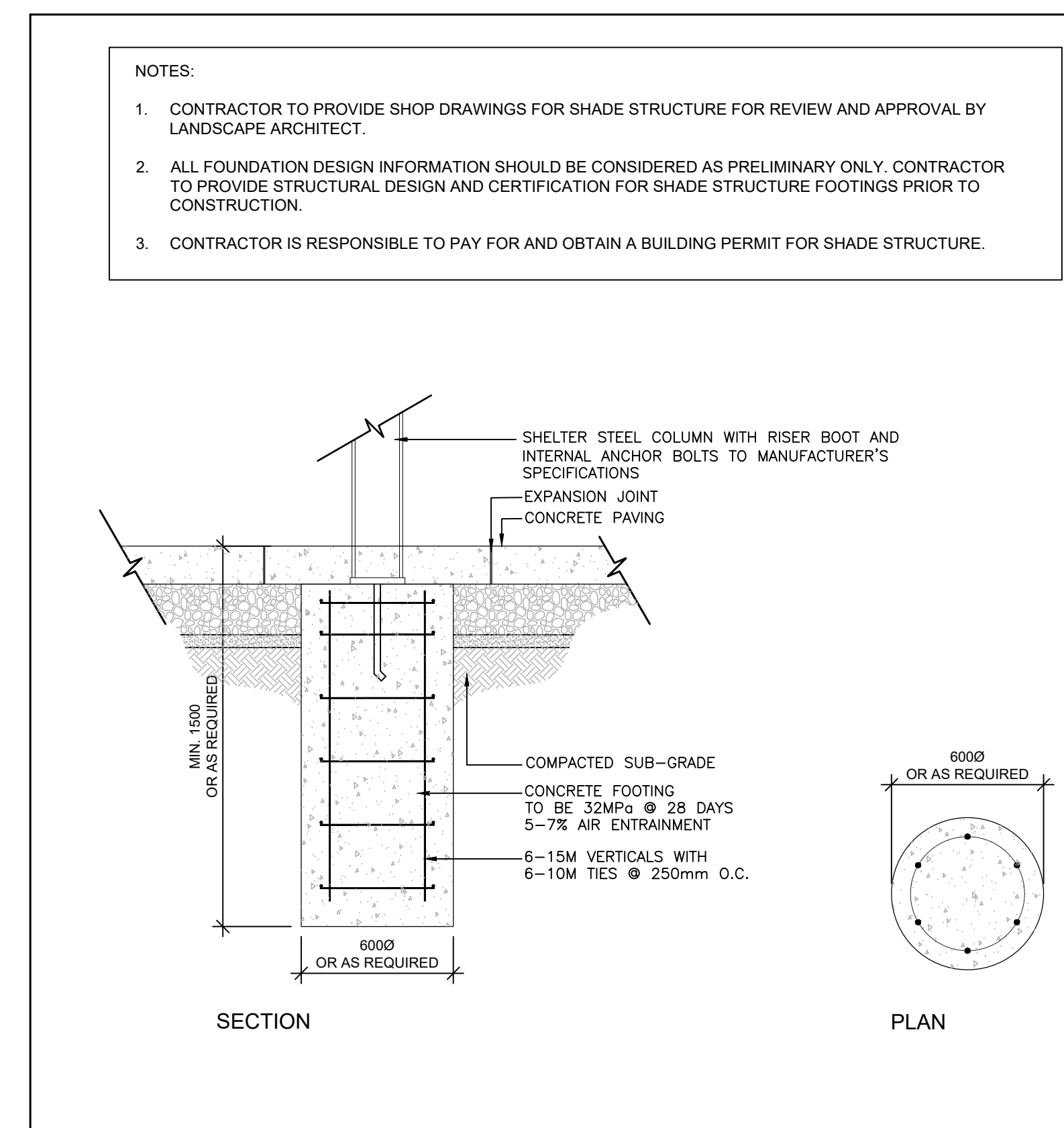
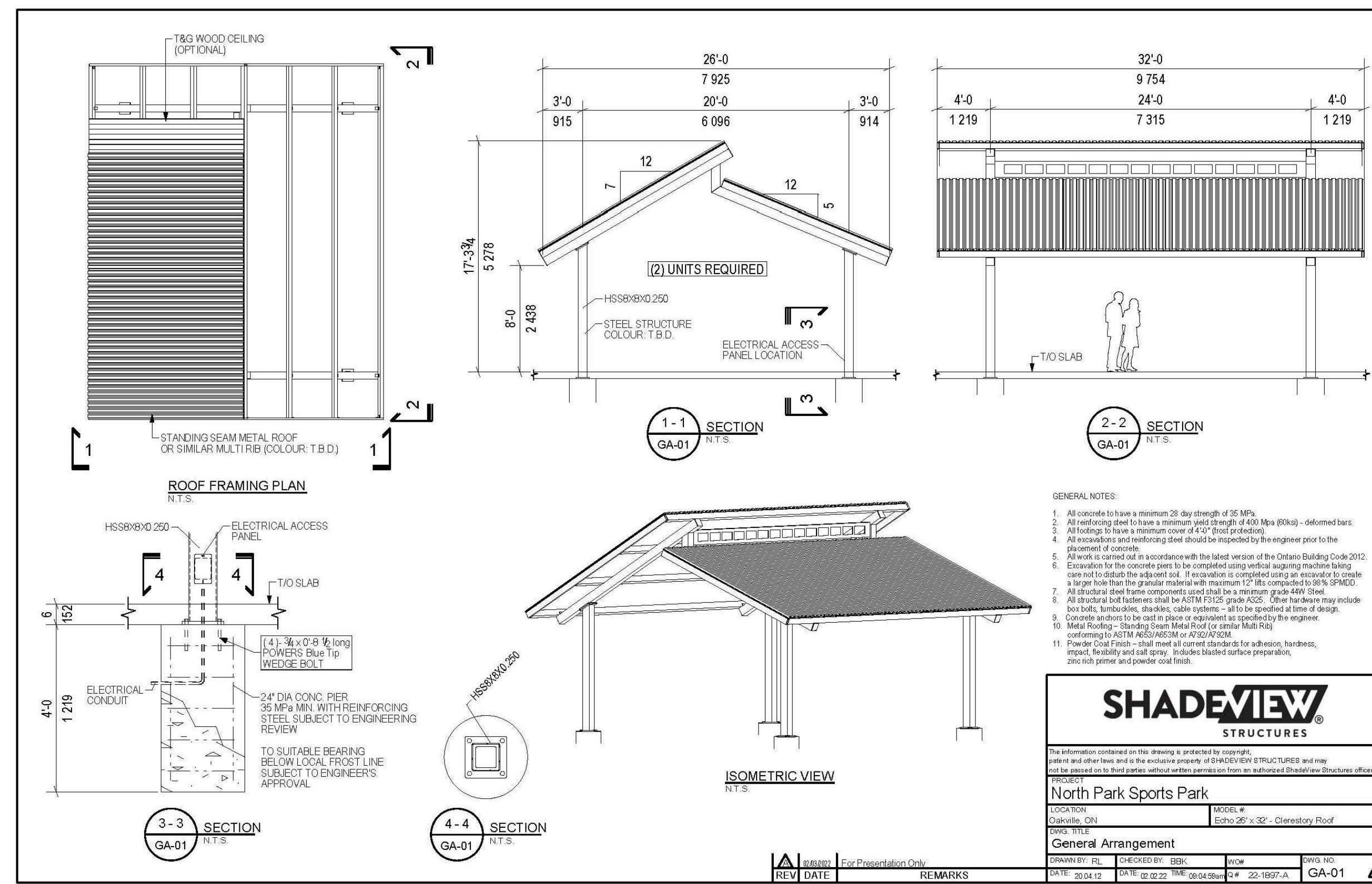
NOTES:
 1. ALL FURNISHINGS TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
 2. ALL FURNISHINGS TO BE AS INDICATED OR APPROVED EQUIVALENT.
 3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL SITE FURNISHINGS. TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ORDERING AND MANUFACTURE.

No	Date	Revisions	By
2	02.04.2022	Issued for SPA (1st Submission)	JJ
1	01.26.2022	Issued for Coordination	JJ





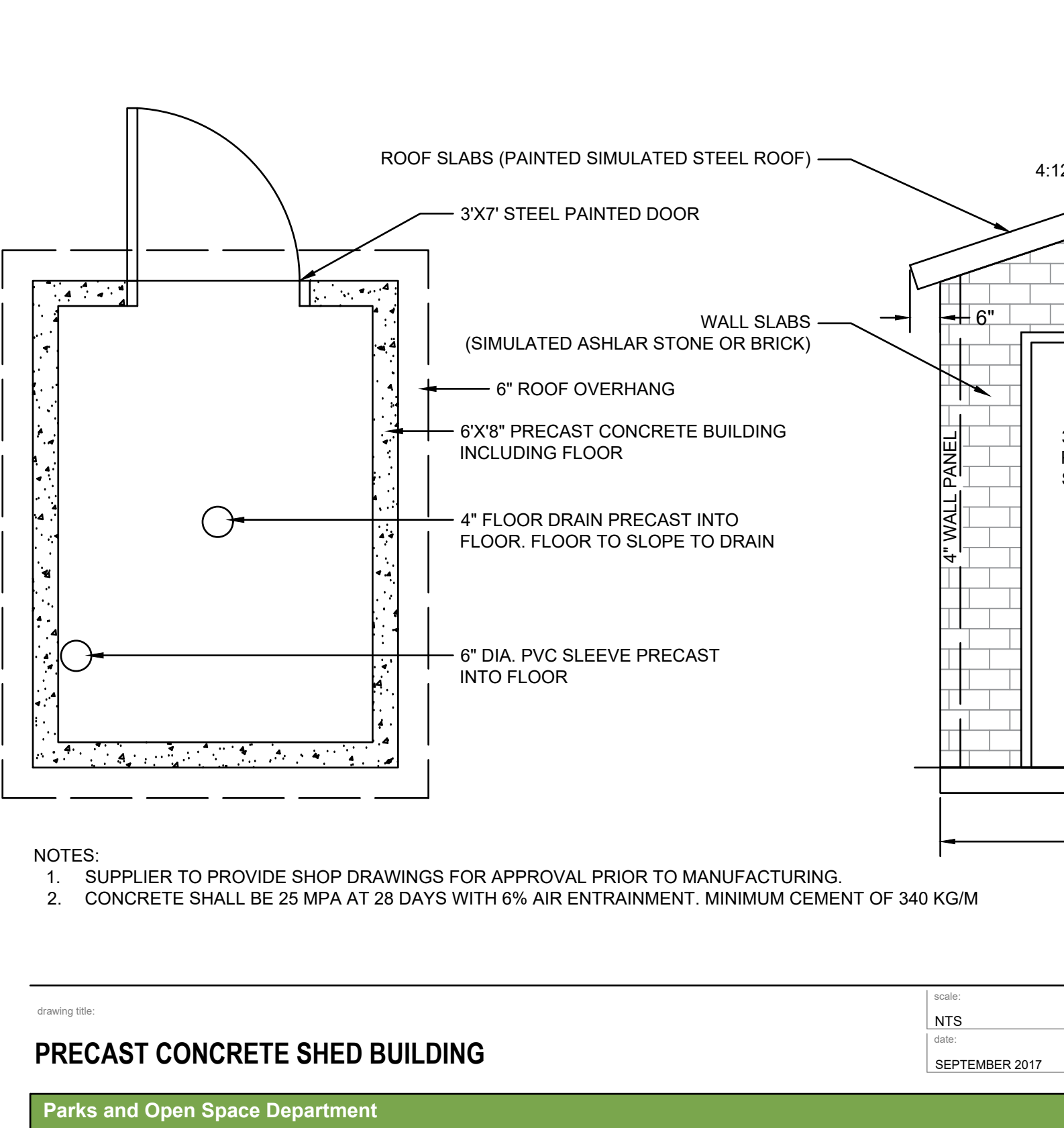
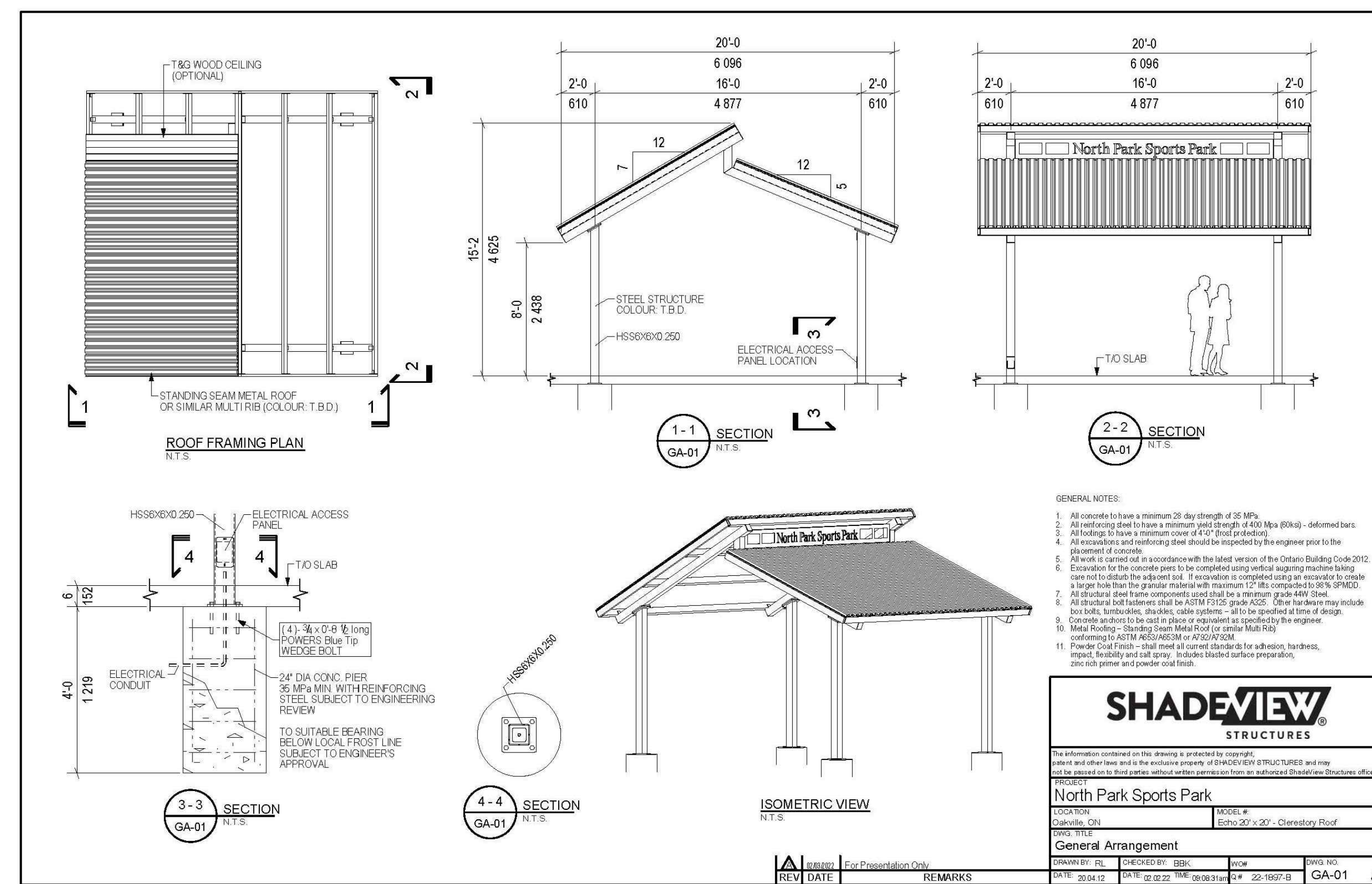
1 SHADE STRUCTURE - TYPE 1
BY SHADEVIEW (MODEL XXX) OR APPROVED EQUAL



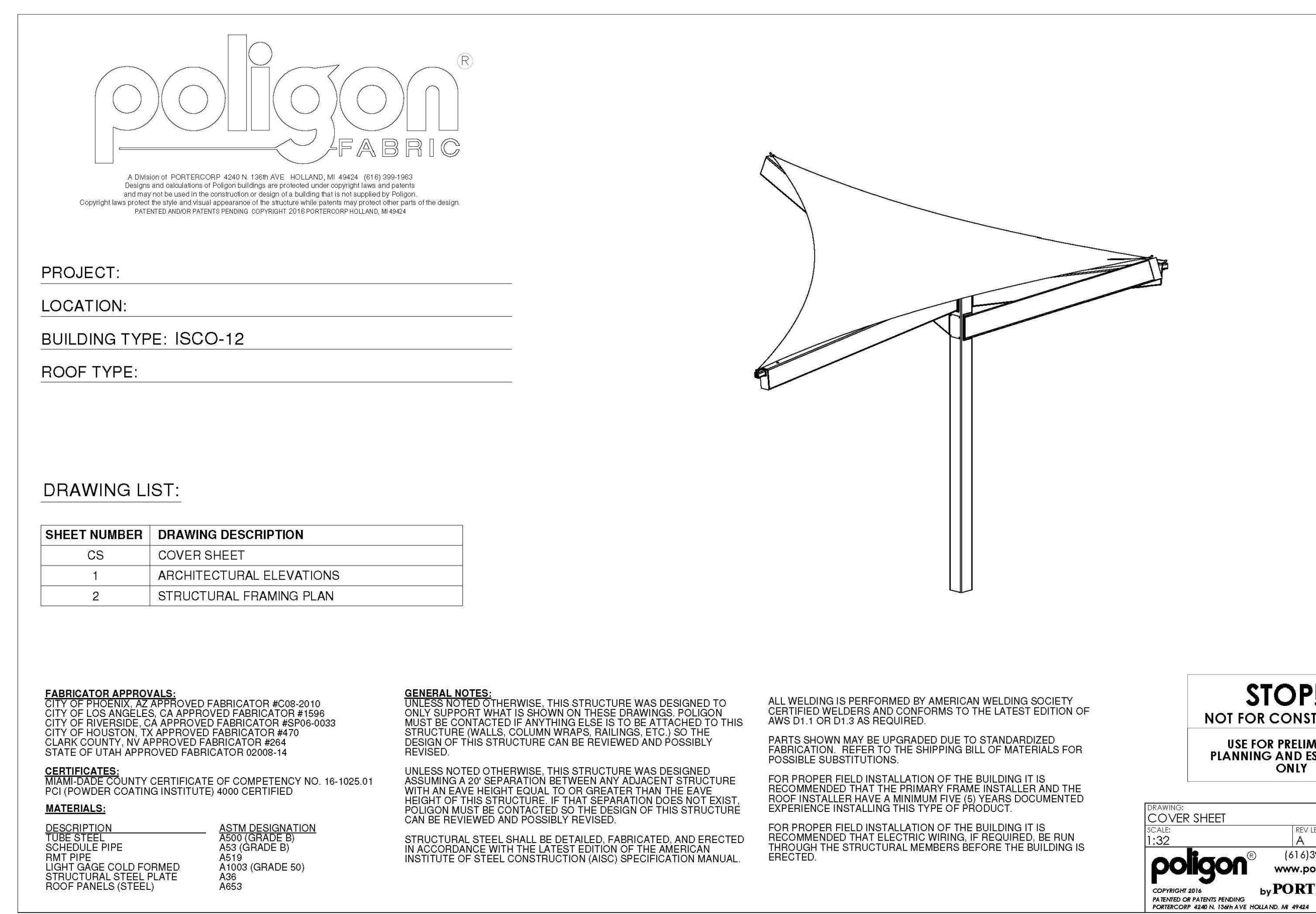
2 SHADE STRUCTURE FOOTING N.T.S.



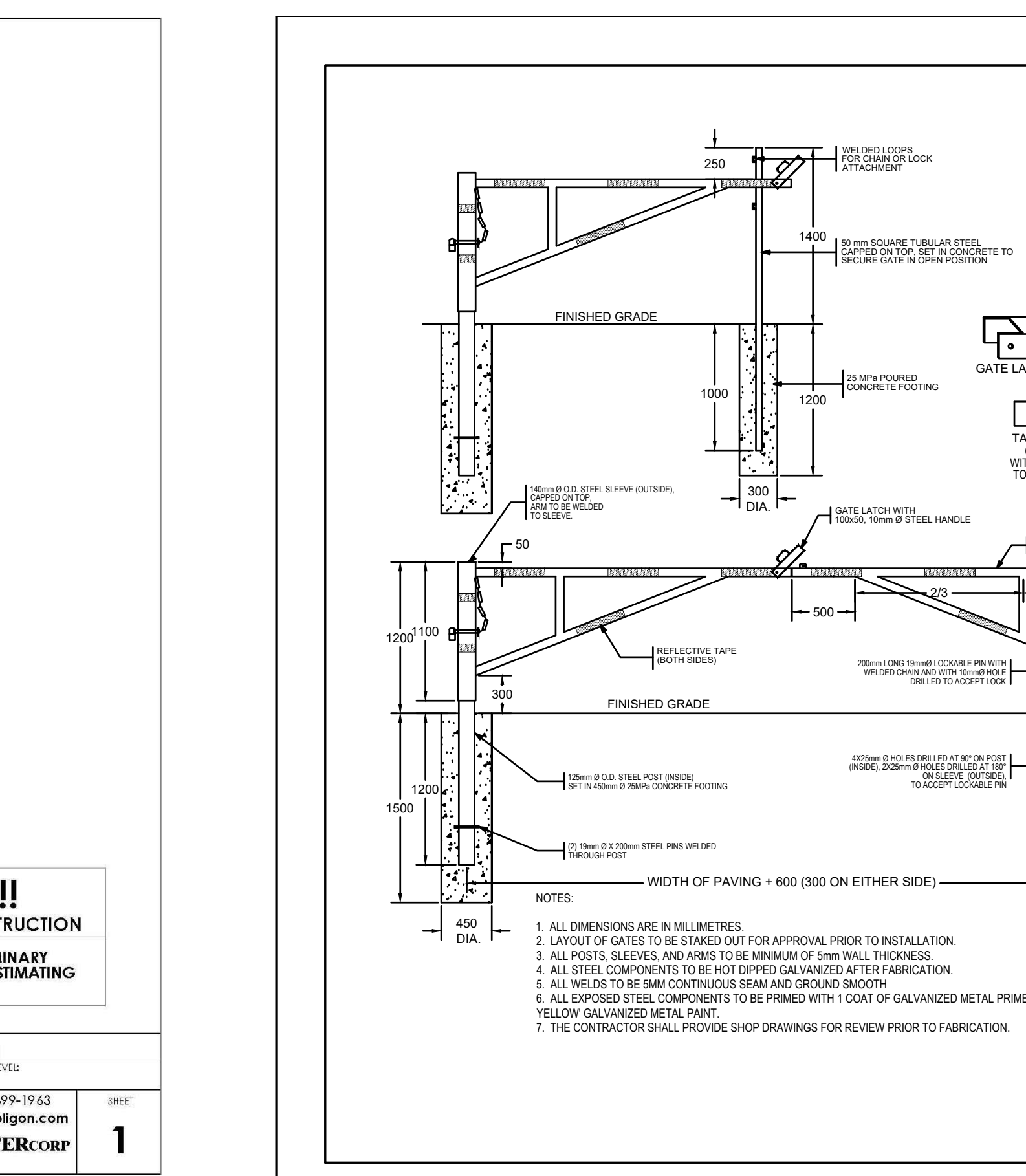
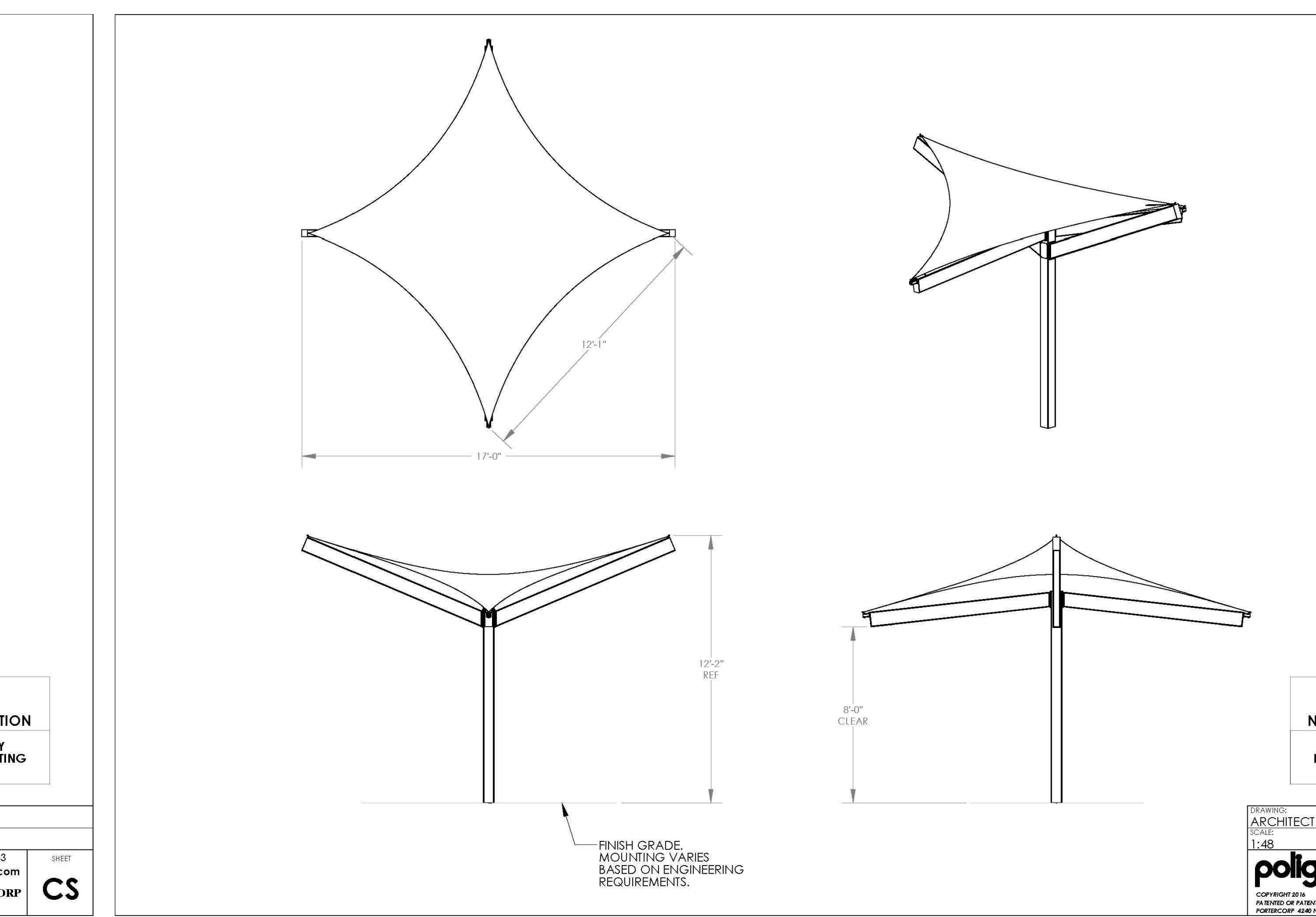
3 MANUFACTURERS SPECIFICATIONS
SHADE STRUCTURE - TYPE 2
BY SHADEVIEW (MODEL XXX) OR APPROVED EQUAL



4 PRECAST CONCRETE SHED BUILDING N.T.S.



5 TENSILE SHADE STRUCTURE
BY POLIGON (MODEL XXX) OR APPROVED EQUAL

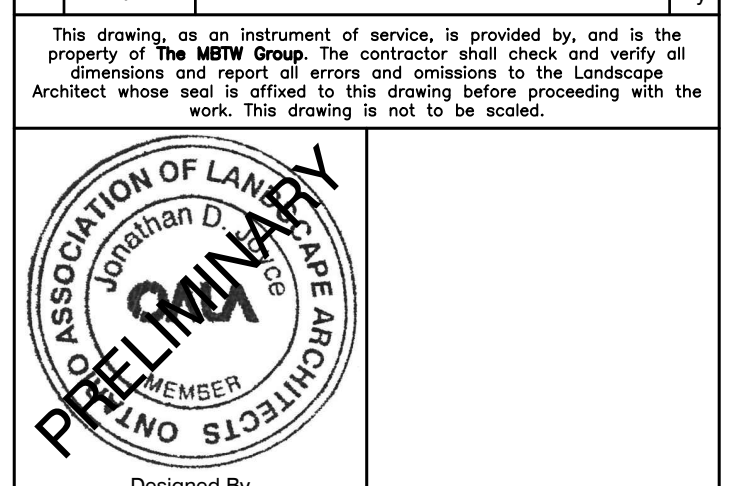


6 PARKING LOT VEHICULAR GATE N.T.S.



NOTES:
1. ALL FURNISHINGS TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.
2. ALL FURNISHINGS TO BE AS INDICATED OR APPROVED EQUIVALENT.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL SITE FURNISHINGS. TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ORDERING AND MANUFACTURE.

No	Date	Revisions	By
1	01/20/2022	Issued for Coordination	JJ
2	02/04/2022	Issued for SPA (1st Submission)	JJ



Client: **OAKVILLE**

Consultant: **the mbtw group**
100 Woodbine Ave., Unit 10, Oakville, Ontario L6M 1W1
Tel: 905.846.1111

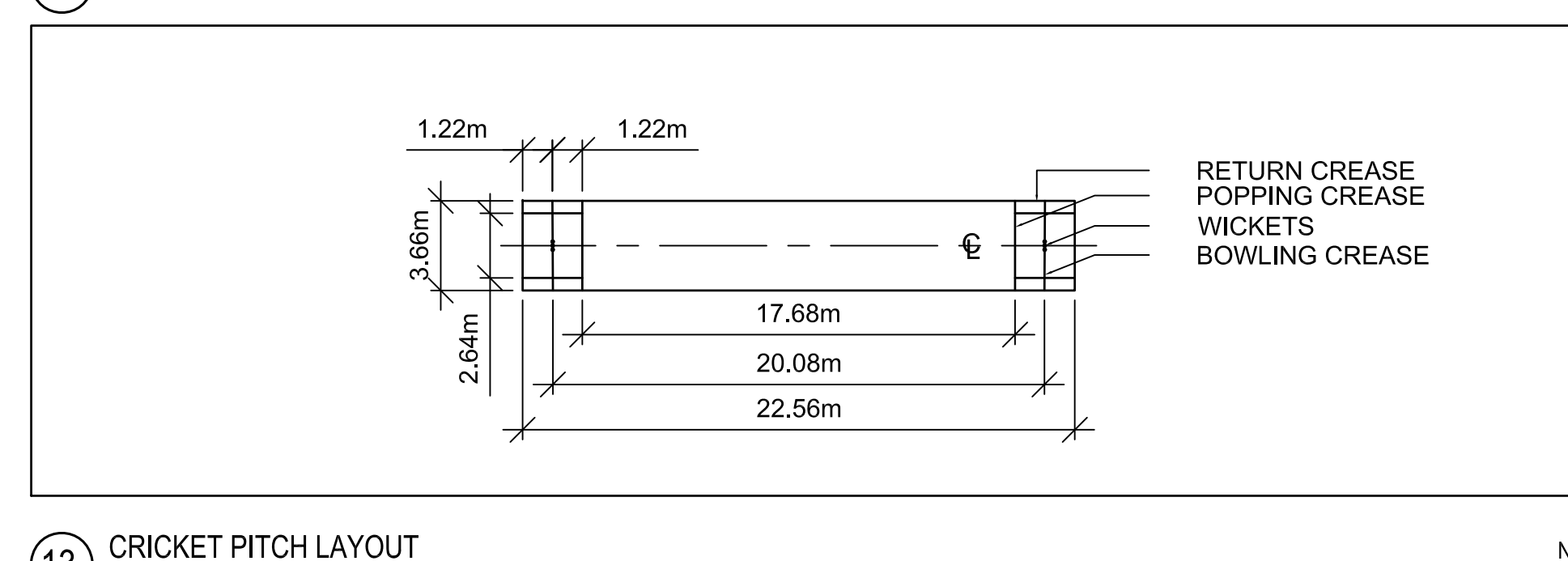
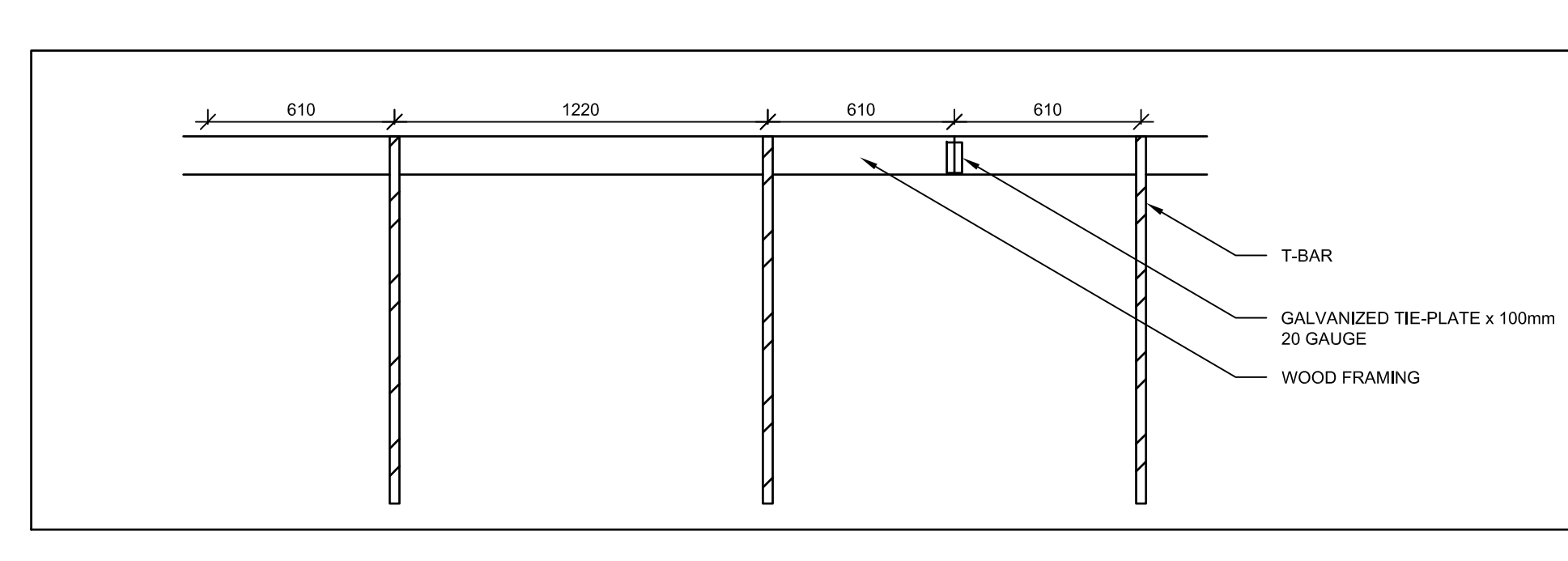
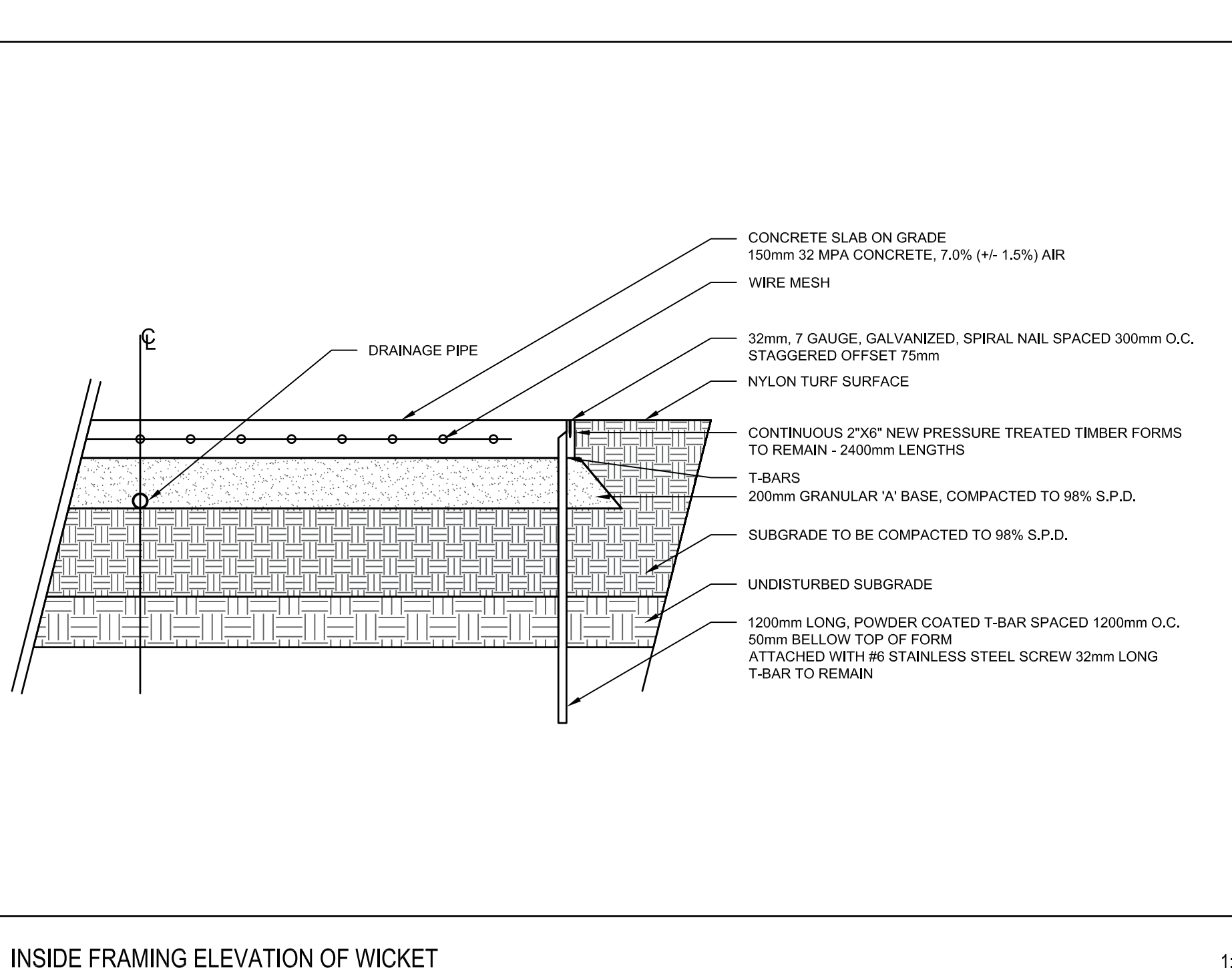
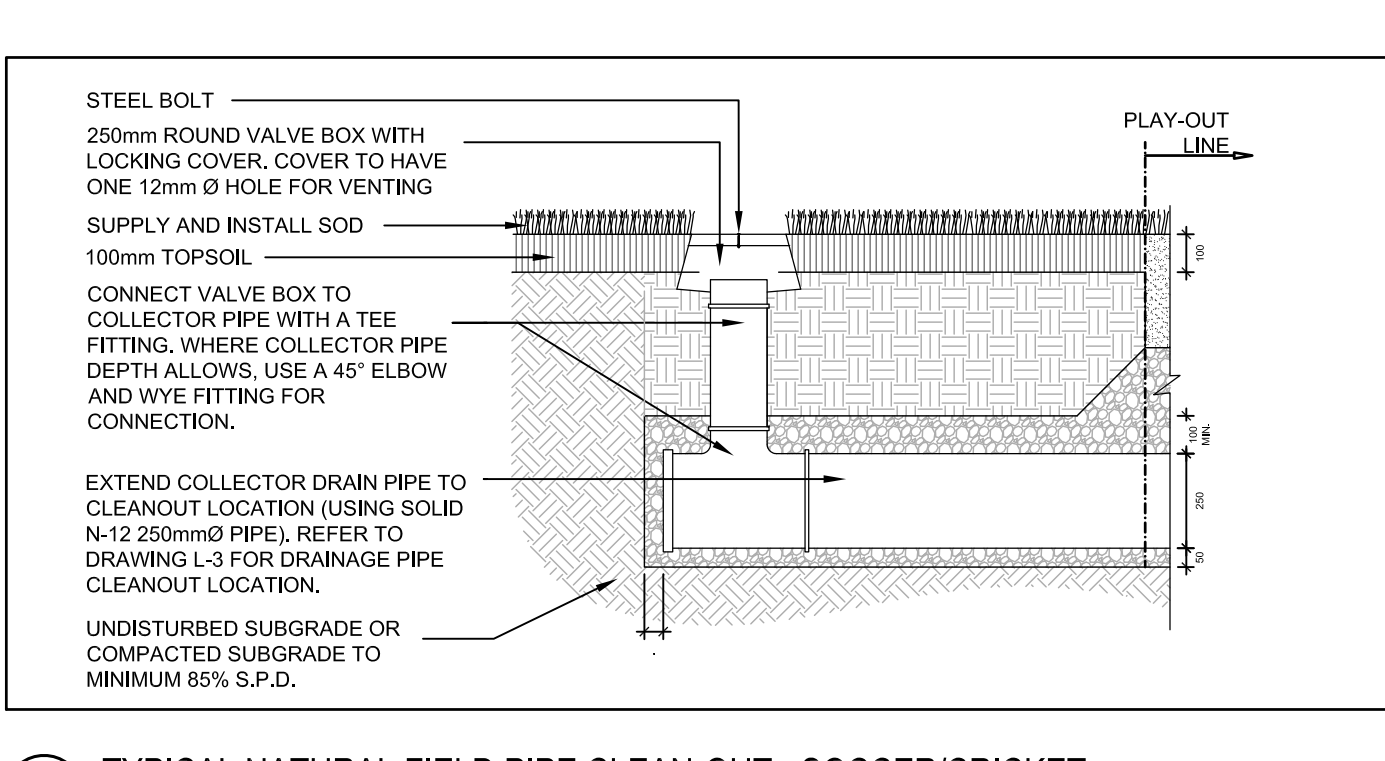
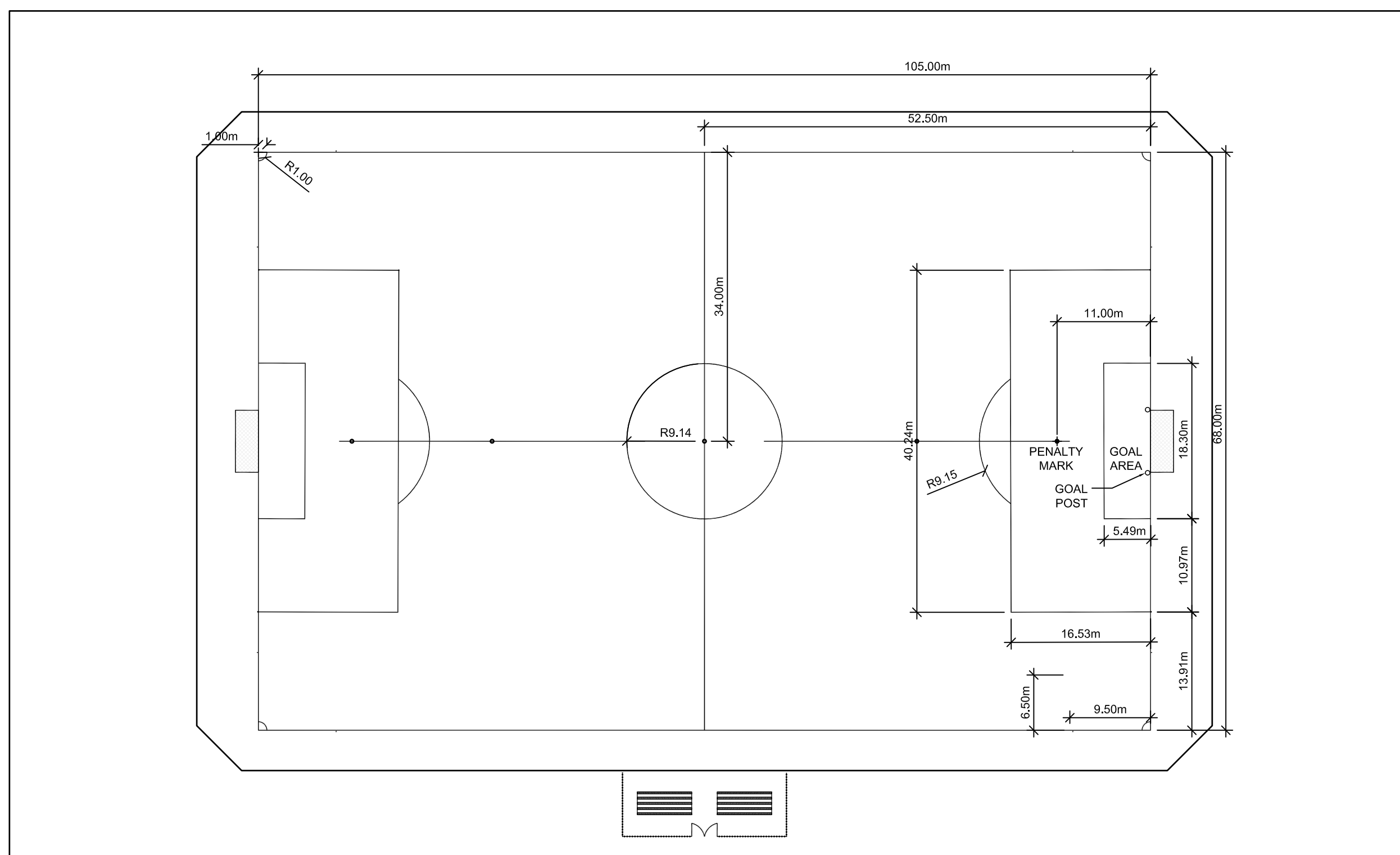
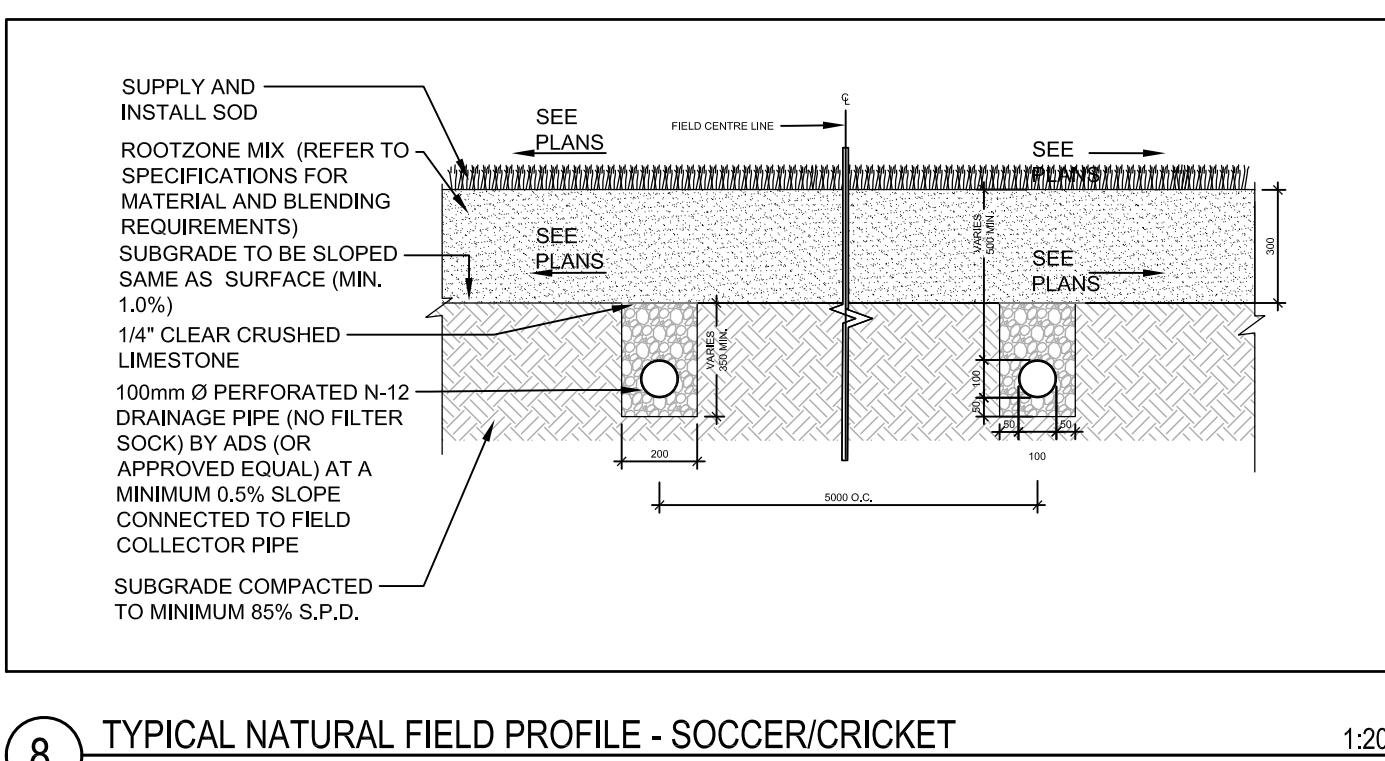
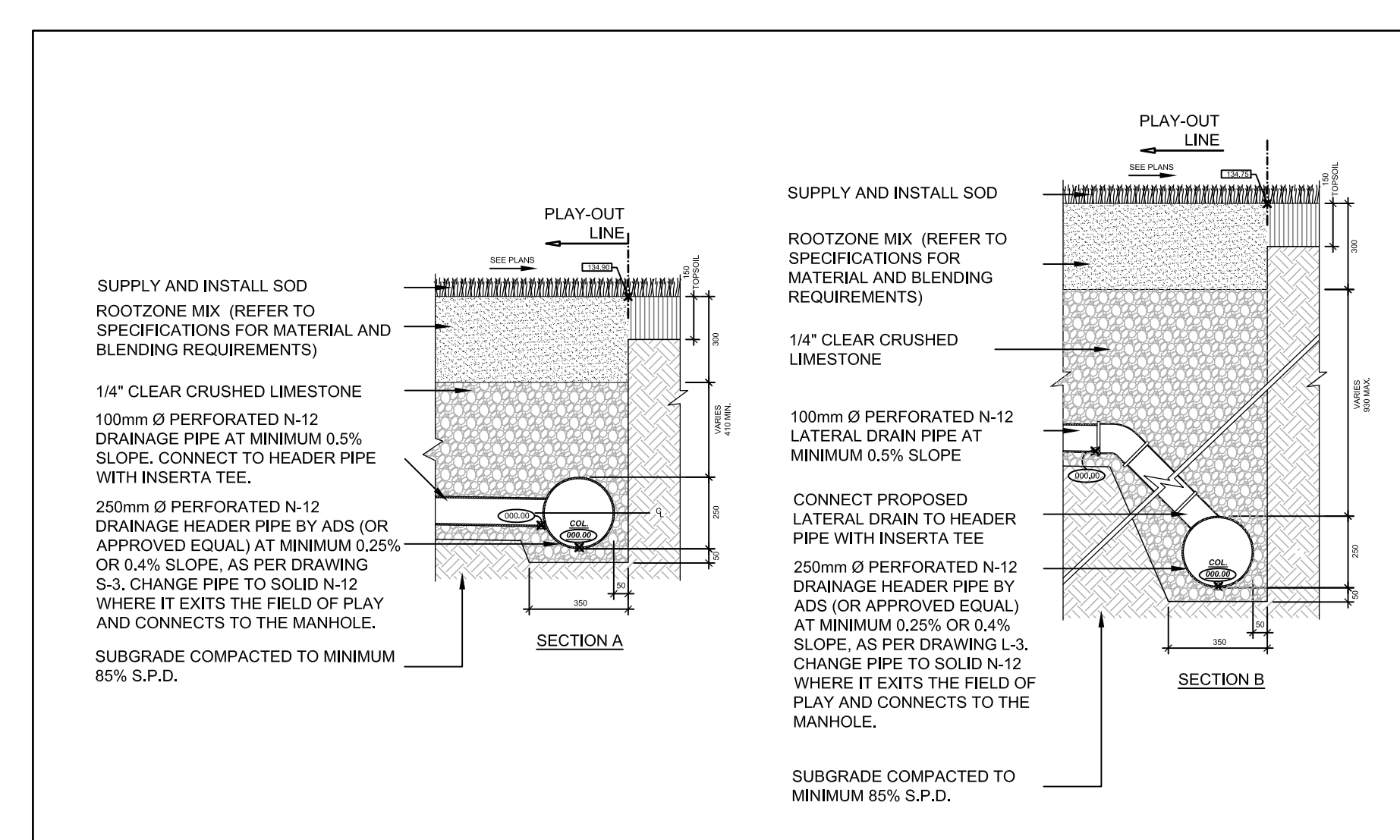
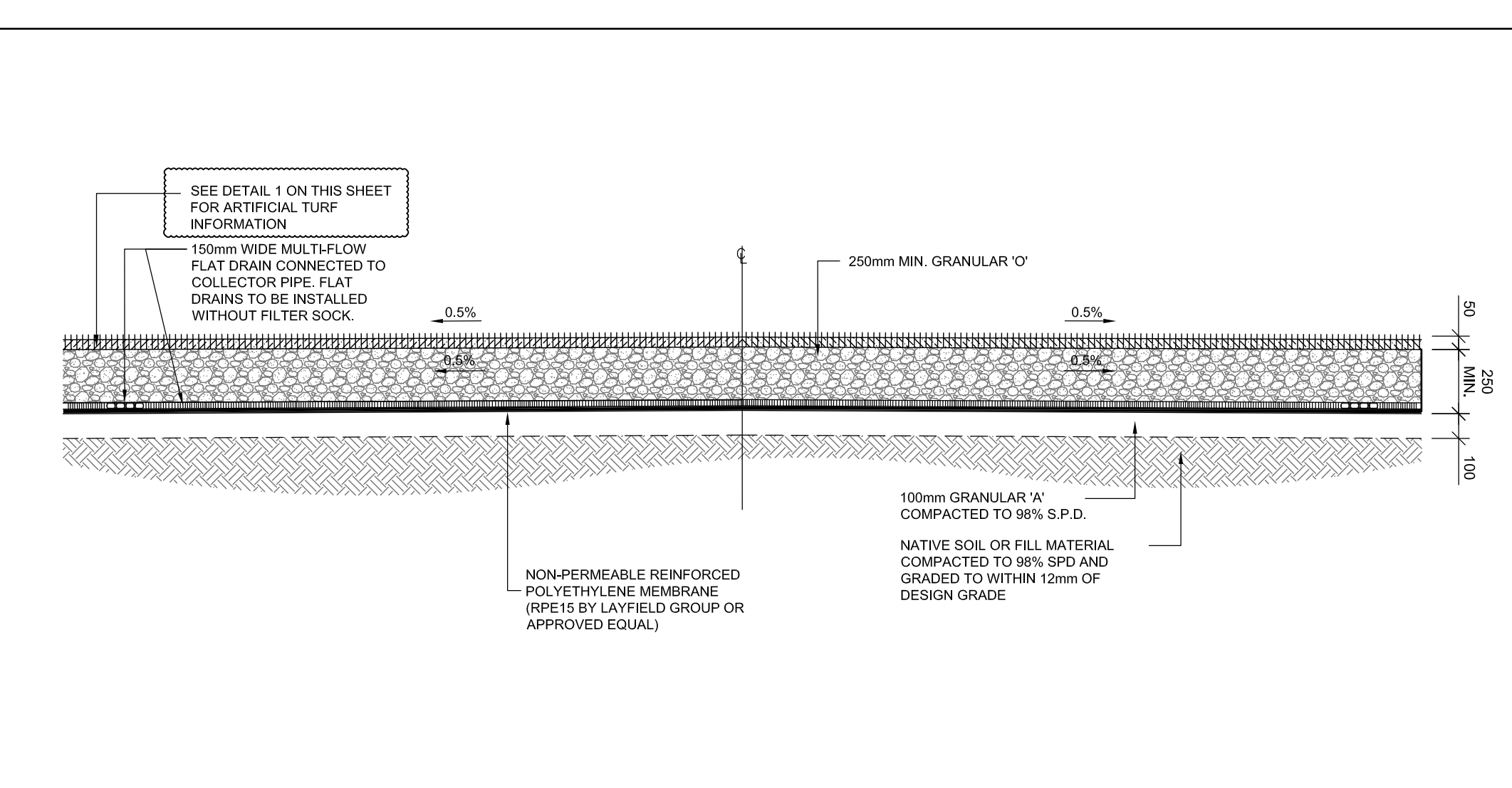
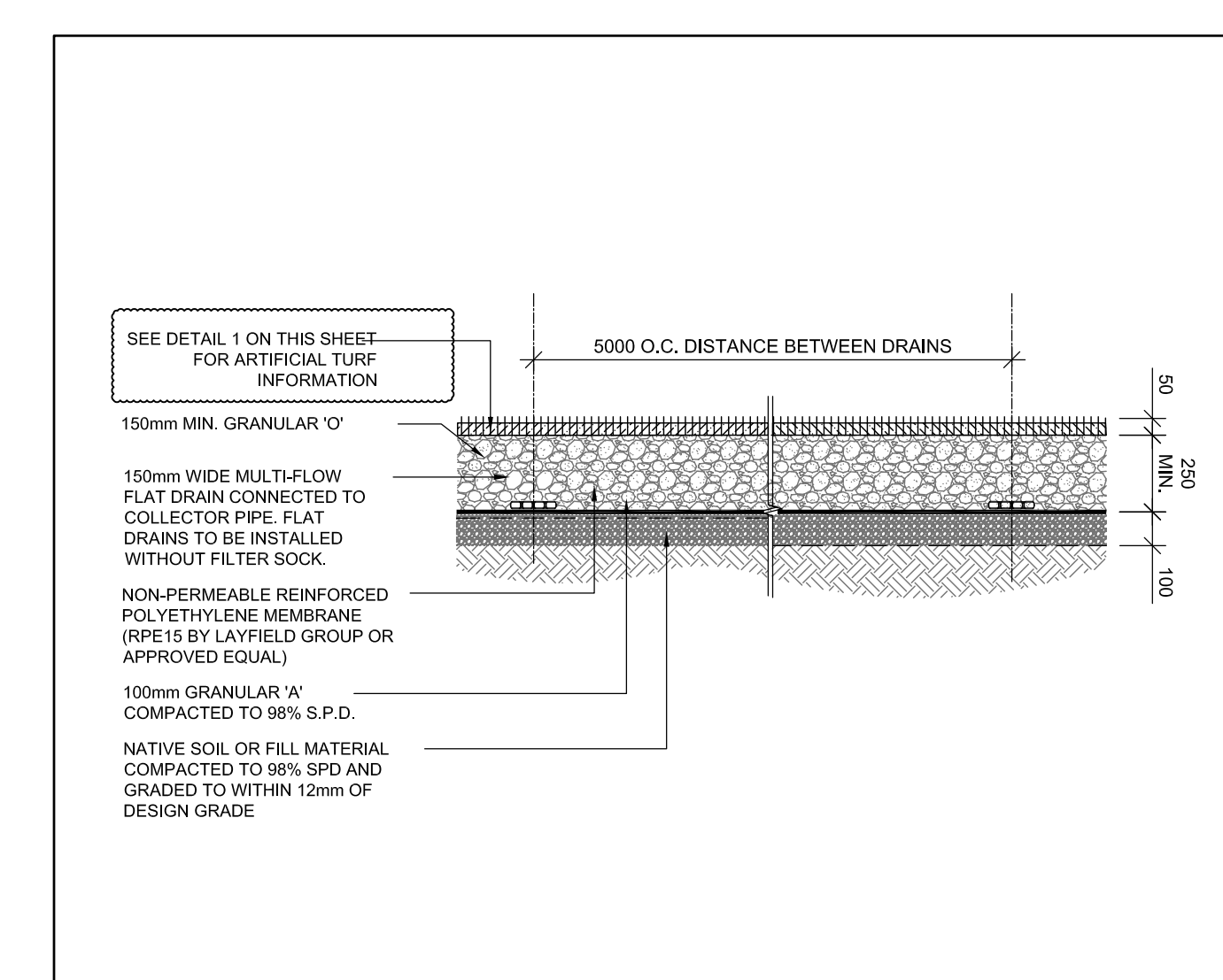
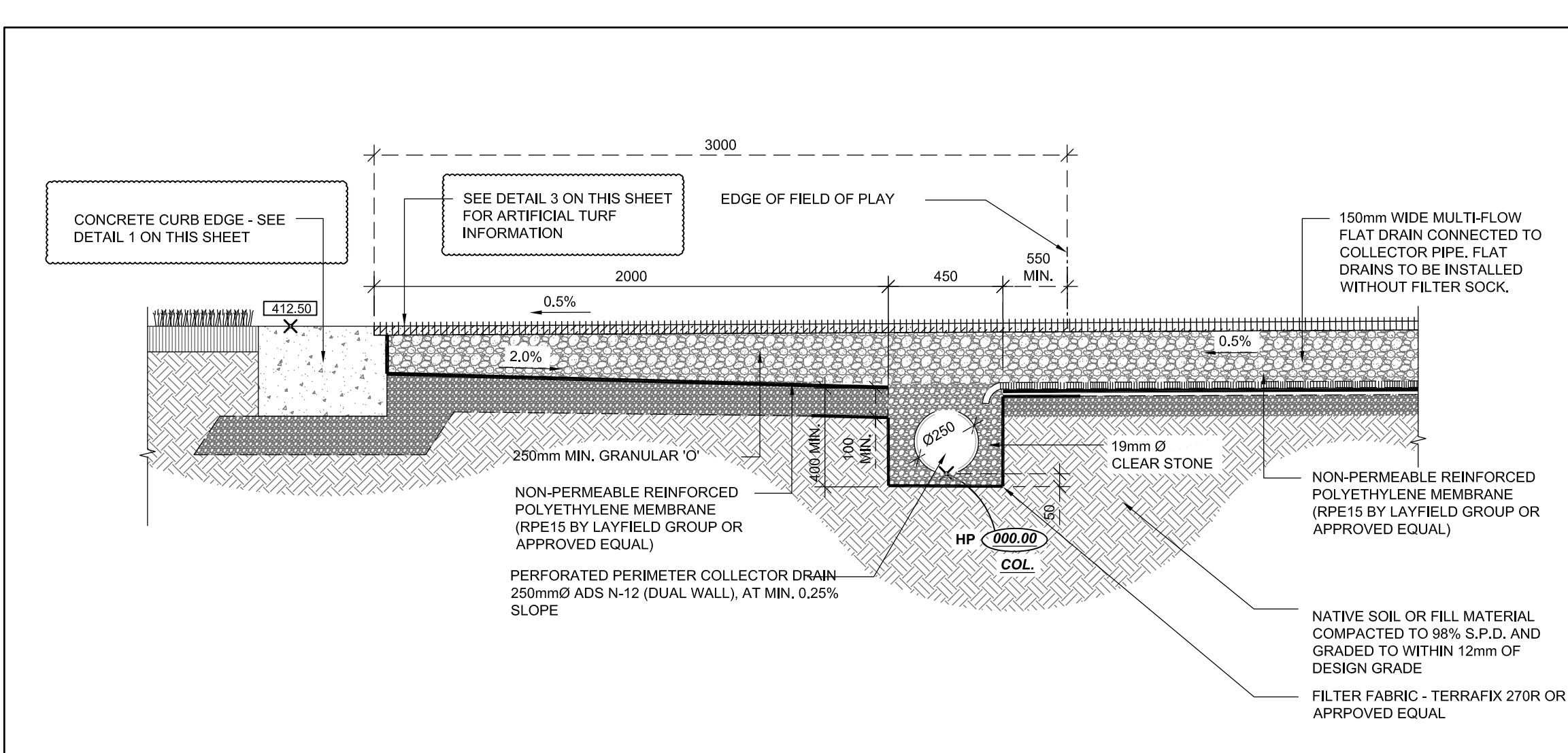
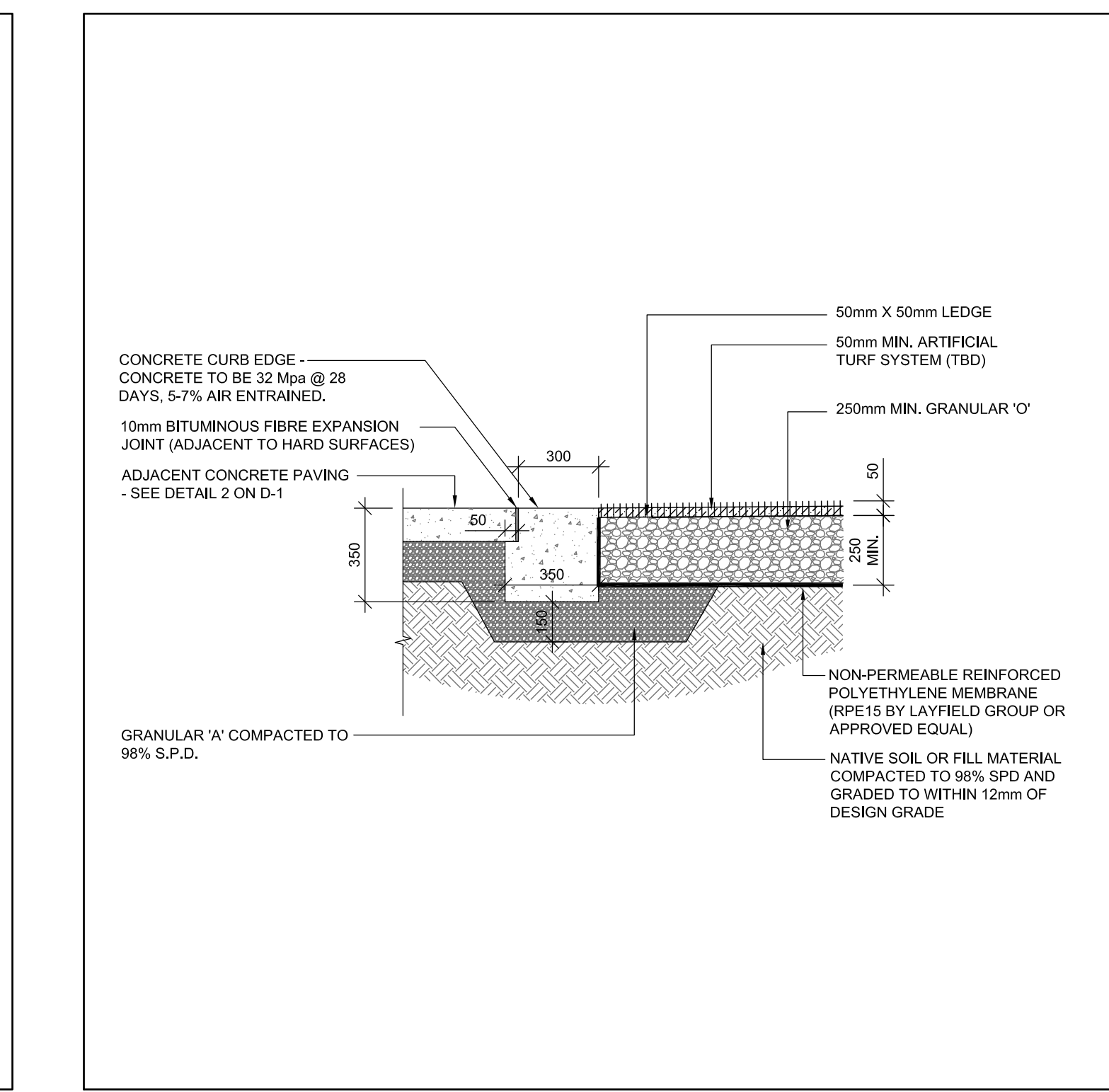
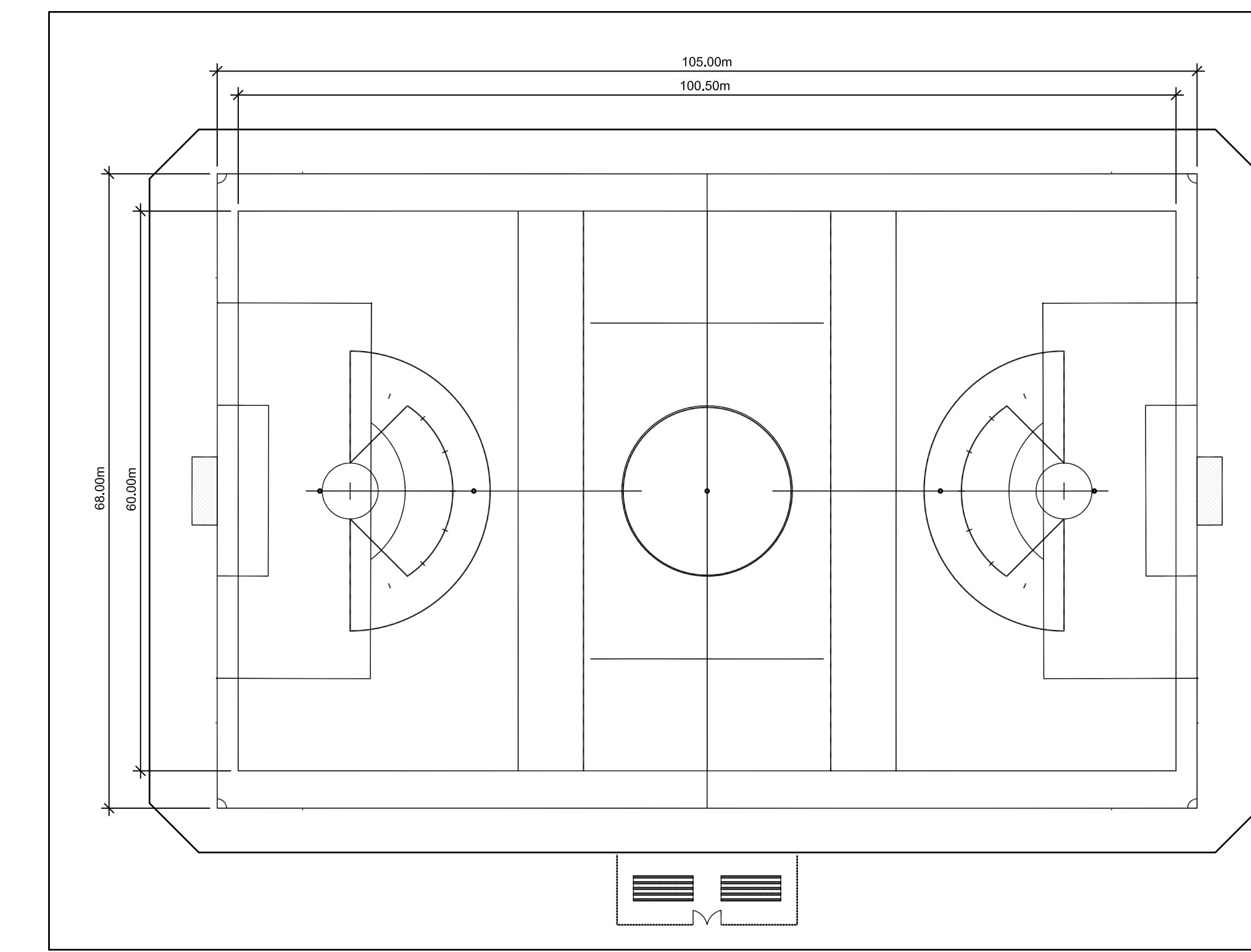
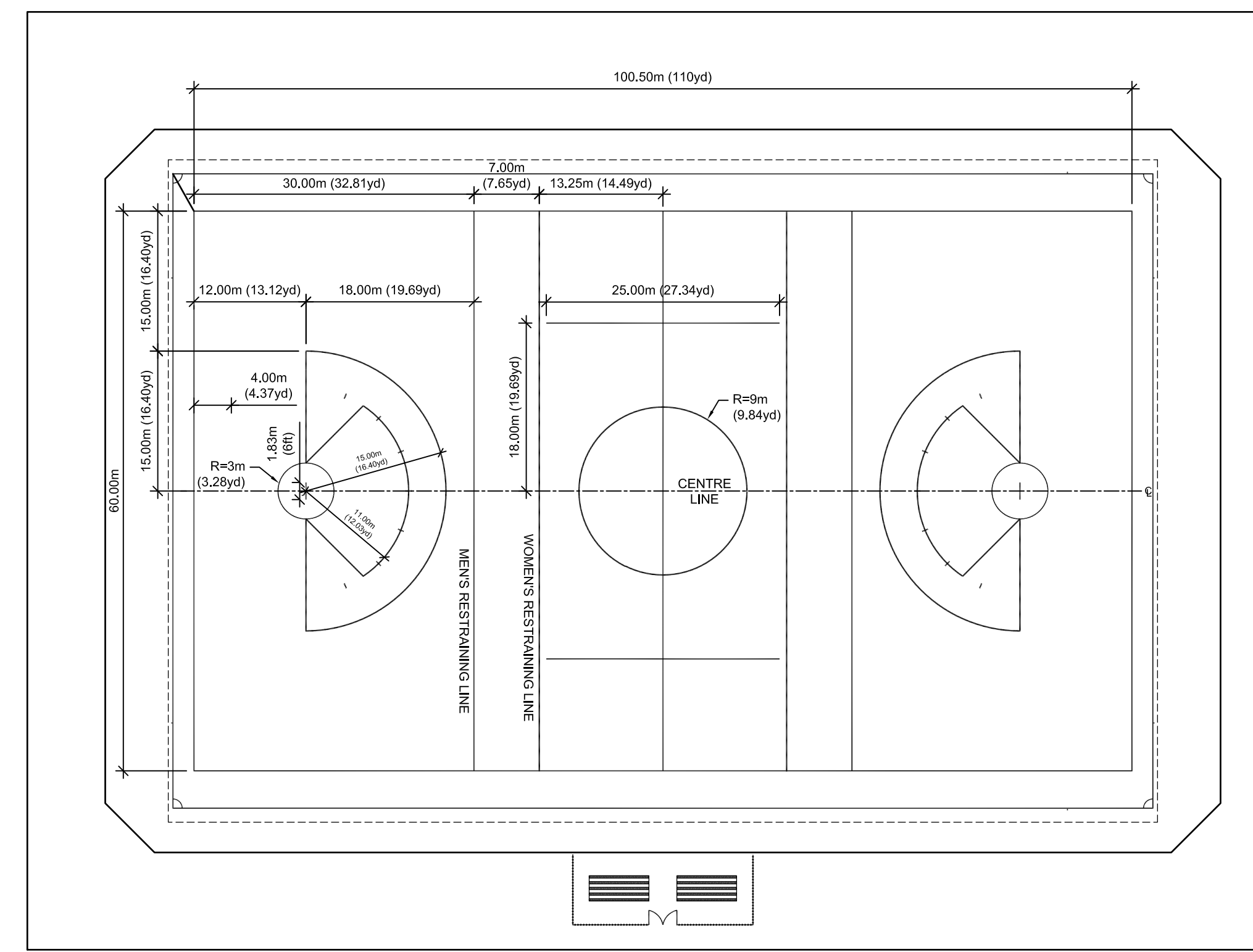
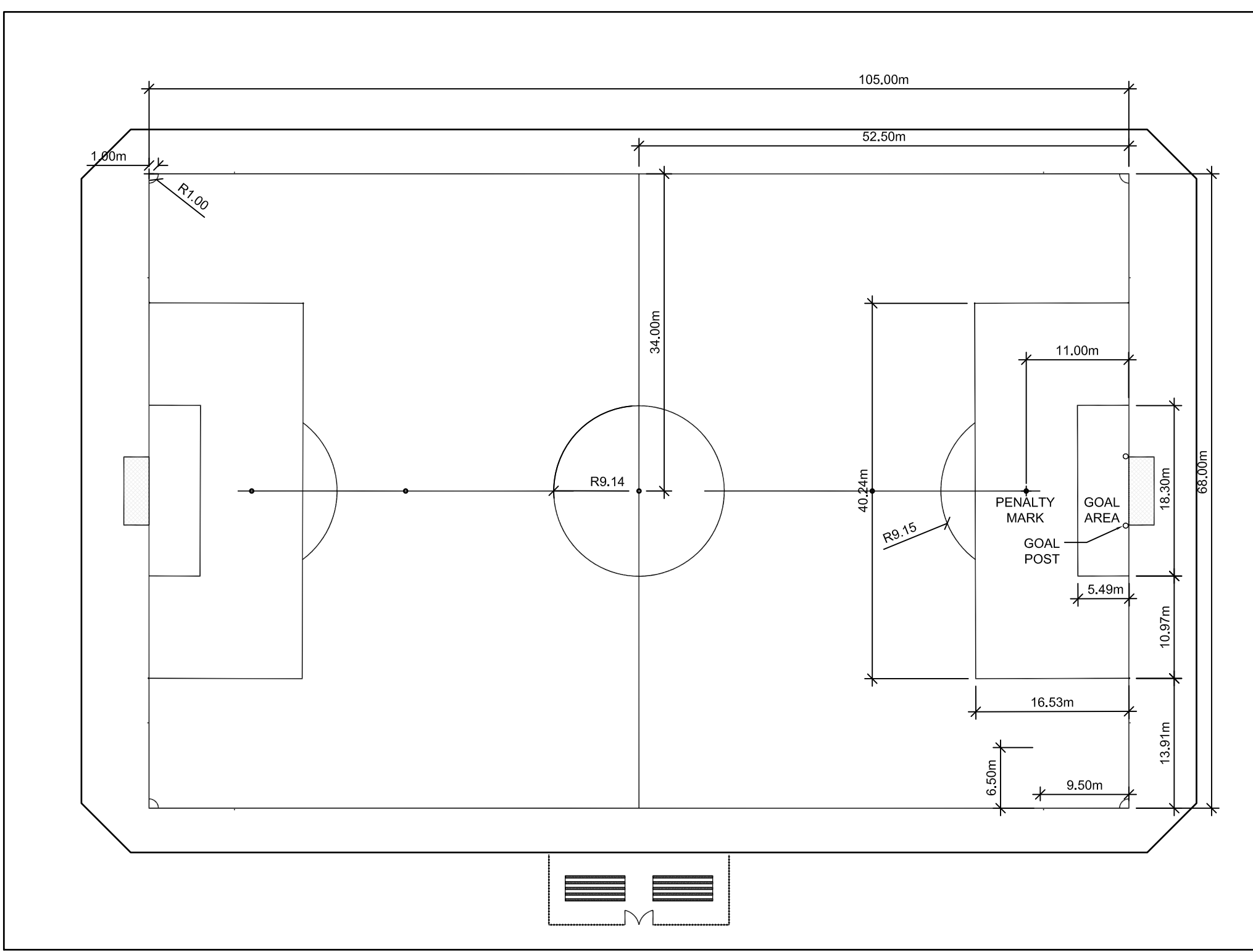
Project Name: **NORTH PARK DEVELOPMENT: COMMUNITY CENTRE, LIBRARY AND SPORTS PARK**

Municipality: **Town of Oakville**

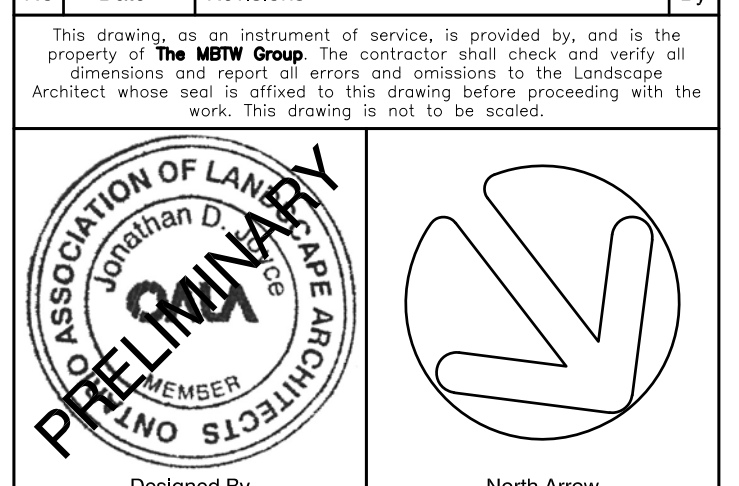
Sheet Title: **LANDSCAPE DETAILS**

Designed: JJ DS
Drawn: DS
Scale: AS NOTED
Date of Drawing: November 2021
Job No.: TOA039

Sheet No.: **D-X**



No	Date	Revisions	By
2	02.04.2022	Issued for SPA (1st Submission)	JJ
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Client: **OAKVILLE**

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Project Name: **NORTH PARK DEVELOPMENT: COMMUNITY CENTRE, LIBRARY AND SPORTS PARK**

Municipality: **Town of Oakville**

Sheet Title: **FIELD SPORT DETAILS**

Designed: JJ, Drawn: ML, Scale: AS NOTED, Drawing No.: D-5