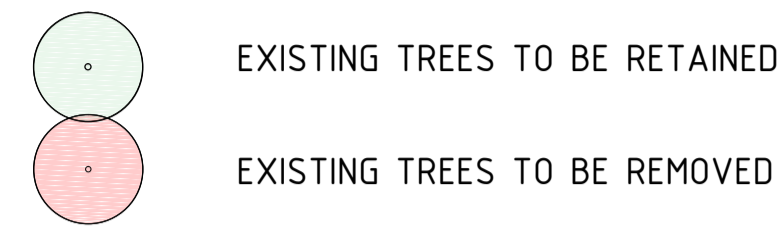


LEGENDS

TREE MANAGEMENT PLAN LEGEND



1123 Emf M

TREE REFERENCE NUMBER
 TREE SPECIES CODE
 Refer Tree Species Key
 MANAGEMENT STATUS
 Refer Management Status Key

TREE SPECIES KEY

CTs	Crataegus smithiana	Pbl	Prunus x bliereana
CUa	Cupressus arizonica	Pcn	Prunus cerasifera 'Nigra'
CUgl	Cupressus glabra	PLa	Platanus acerifolia
CUL	Cupressus lusitanica	Plr	Pinus radiata
Ebi	Eucalyptus bicostata	POa	Populus alba
Emf	Eucalyptus mannifera	POn	Populus nigra
Esp	Eucalyptus sp.	Ppe	Prunus persica
FRao	Fraxinus angustifolia syn. Oxycarpa	PYc	Pyrus calleryana
FRo	Fraxinus ornus	Qca	Quercus canariensis
FRp	Fraxinus pennsylvanica	Qma	Quercus macrocarpa
MAd	Malus domestica	Qpa	Quercus palustris
MAi	Malus ioensis	Qro	Quercus robur
Par	Prunus armeniaca	Upr	Ulmus procera

MANAGEMENT STATUS KEY

E	Extra high - excellent trees to be retained requiring additional protection
H	High - represents the existing trees which are to be retained and protected
M	Medium - tree/group of trees which would be desirable to retain, but would not warrant design expenditure to retain
P	Poor - specimens of poor quality or of no landscape significance

Note: All plans to be read in conjunction with the corresponding Tree Assessment Report Area 02 (02-DSB-RPT-LAN-NA-0001)

TYPICAL PLANTING DETAIL (TPD) LEGEND

CODE	APPLICABLE AREA	DESCRIPTION
TPD(2a)	PB1	Trackform edge planting
TPD(3a)	PB1	Semi-formal pattern to mixed species planting
	PB7	Random arrangement in groups of 3-7 plants of each species

NOTE:
REFER TO GENERAL ARRANGEMENT PLANS FOR 'APPLICABLE AREA'

GENERAL ARRANGEMENTS PLAN LEGEND

NEW NATIVE 200L ROOTBALL TREE PLANTING IN STANDARD TOPSOIL BACKFILL FOR ADVANCED TREE OVER CULTIVATED STANDARD SUBGRADE. REFER PLANT SCHEDULE (TABLE 1), AND PLANTING DETAILS

PLANTING BED TYPE 1: 140mm POTS, 75mm DEPTH APPROVED WOODCHIP MULCH OVER 300mm DEPTH 'STANDARD TOPSOIL BACKFILL FOR PLANTING BEDS' AND 150mm DEPTH CULTIVATED STANDARD SUBGRADE. REFER PLANT SCHEDULE (TABLE 3), AND PLANTING DETAILS

PLANTING BED TYPE 7: 140mm POTS IN PLANTING BED TYPE 1 SOIL STRUCTURE AS INFILL TO ELMICH VERSIWEB 150mm DEPTH OR SIMILAR. 500mm PINS WITH ATRA KEYS EVERY 3 CELLS VERTICAL AND HORIZONTAL. ATRA KEYS AT PANEL JOINTS. REFER PLANT SCHEDULE (TABLE 4), AND PLANTING DETAILS

PAVEMENT TYPE B3: CONCRETE PAVEMENTS AND PRAM RAMPS, REFER PACKAGE 7 EXTENT & DETAILS, REFER MATERIAL SCHEDULE FOR SURFACE FINISH

PAVEMENT TYPE B10: AUSTRAL BLACK GRANITE PAVEMENT, REFER PACKAGE 7 EXTENT & DETAILS, REFER MATERIAL SCHEDULE FOR SURFACE FINISH.

PAVEMENT TYPE B11: AUSTRAL BLACK GRANITE PAVEMENT, REFER PACKAGE 7 EXTENT & DETAILS, REFER MATERIAL SCHEDULE FOR SURFACE FINISH.

TRACKFORM PAVEMENT TYPE T1: TRACKFORM CONCRETE PAVEMENTS, REFER PACKAGE 31 FOR TRACK SLAB DETAILS, REFER MATERIAL SCHEDULE FOR SURFACE FINISH

PAVEMENT TYPE T3: IN-SITU REINFORCED COLOURED CONCRETE IN PEDESTRIAN CROSSING OVER TRACKFORM, BROOM FINISH, COLOR: SNOW. REFER PACKAGE 31 FOR TRACK SLAB DETAILS

PAVEMENT TYPE T4: 90x90x60mm GRANITE SETTS MARGIN IN PEDESTRIAN CROSSING OVER TRACKFORM AND 1000mm WIDE BLACK OXIDE REINFORCED CONCRETE PAVING ADJACENT TRACKFORM, COLOR: AUSTRAL BLACK, FINISH: EXFOLIATED. REFER ALSO PACKAGE 31

TRACKFORM PAVEMENT TYPE T6: IN-SITU REINFORCED COLOURED CONCRETE IN TRACK ZONE ADJACENT GUNGAHLIN TERMINUS, BROOM FINISH, 50mm TROWEL FINISH ALONG LONG EDGES, COLOR: GEOSTONE 'IRONSTONE' 3% OF CEMENT CONTENT. REFER PACKAGE 31 FOR TRACK SLAB DETAILS.

OVERHEAD WIRE (OHV) POLE LOCATIONS
REFER PACKAGE 38

STREET LIGHTING LOCATIONS - NEW, RETAINED, AND RELOCATED
REFER PACKAGE 37

SIGNALS AND SIGNS LOCATIONS INCLUDING TRAFFIC SIGNALS, LRV SIGNALS, PEDESTRIAN SIGNALS & BUTTONS, TRAFFIC CONTROL DEVICES, ETC.
REFER PACKAGE 36

SPECIAL KERB (WITH SKATE DETERRENT): 200(H)x300(W) UPSTAND WITH SKATE DETERRENT RECESSES AT 625mm CTS. COLOUR TO MATCH ADJACENT AUSTRAL BLACK GRANITE PAVING (B10), FINISH: EXFOLIATED. REFER MATERIALS & FINISHES SCHEDULE AND LANDSCAPE DETAILS

SECURITY LEVEL C BICYCLE PARKING DEVICE. CAPACITY OF 2 BICYCLES, FINISHES VARIES, SEE MATERIAL SCHEDULE. SUPPLIED BY BRASSWORKS. REFER GENERAL ARRANGEMENT PLANS AND LANDSCAPE DETAILS, PROVISION FOR FUTURE BICYCLE PARKING EXTENSION SHOWN DASHED. SET-OUT AND INSTALLED AS PER AS2890.3.

IRRIGATION CONTROLLER - STAINLESS STEEL PANELLED ENCLOSURE WITH LOCKABLE DOOR LATCH. POWER SUPPLY AND METER DOOR TO BE METAL WEATHERPROOF FITTED WITH LOCKWOOD NIGHT LATCH NO 201 KEY NO 34669. ACTEWAGL EQUIPMENT TO BE SEGREGATED FROM MAIN SWITCHBOARD AND FITTED WITH A STEEL ESCUTCHEON. IRRIGATION CONTROLLER SEPARATED FROM POWER SUPPLY WITH INTERNAL 'WALL'. IRRIGATION CONTROLLER DOOR TO BE SIMILARLY PROVIDED WITH KEY TO TCCS SPECIFICATIONS AT HANDOVER. REFER LANDSCAPE DETAILS AND PACKAGE 55.

SEAT. REFER PACKAGE 50 AND DRAWING 02-ARC-DRW-ARC-SP-8601. REFER MATERIALS & FINISHES SCHEDULE.

WALL TYPE 2: REINFORCED COLOURED CONCRETE WALL. REFER TO MATERIALS & FINISHES SCHEDULES

FRACTAL GEOMETRY EDGING: PAINTED GALVANIZED STEEL EDGE TO PLANTER BEDS. REFER LANDSCAPE DETAILS AND MATERIALS & FINISHES SCHEDULES. TO SHOP DRAWINGS.

LANDSCAPE & SUBSURFACE SETOUT LEGEND

TREE PIT 1 (T1) - NEW NATIVE TREE PLANTING EXCAVATED PIT, BACKFILLED WITH STANDARD TOPSOIL BACKFILL FOR ADVANCED TREE OVER CULTIVATED STANDARD SUBGRADE. TYPICALLY 3x3x1m (T1). REFER TREE PLANTING DETAILS.

TREE PIT 2 (T2) - NEW NATIVE TREE PLANTING EXCAVATED PIT, BACKFILLED WITH STANDARD TOPSOIL BACKFILL FOR ADVANCED TREE OVER CULTIVATED STANDARD SUBGRADE. TYPICALLY 4.5x2x1m UNLESS NOTED OTHERWISE. REFER TREE PLANTING DETAILS.

EXTENT OF TREE PITS FOR TREES IN PLANTING BEDS OF ALINGA STOP BLOCK. SPR COMPLIANT 30m³ FOR EACH TREE. DIMENSIONS VARIOUS. SEE LANDSCAPE SUBSURFACE AND SETOUT DETAIL PLANS. BACKFILLED WITH STANDARD TOPSOIL BACKFILL FOR ADVANCED TREE OVER CULTIVATED STANDARD SUBGRADE.

LANDSCAPE SW DRAINAGE FROM SUBSOIL DRAINS (PLANTING BEDS AND TREE PITS). CONNECT TO CIVIL SW WHERE PRACTICABLE

LANDSCAPE SW DISCHARGE POINT FROM SUBSOIL DRAINAGE

SW HARVESTING DELIVERY FOR LANDSCAPE WATERING TO TREE PITS AND PLANTING BEDS

SW HARVESTING POINT FOR LANDSCAPE WATERING

VAULTED TREE PIT (VP1) - VAULTED PLANTING SYSTEM EQUAL TO CITY GREEN 'STRATAVAULT' STRUCTURAL SOIL MODULES OR SIMILAR, BACKFILLED WITH STANDARD TOPSOIL BACKFILL FOR REINFORCED PLANTING. TYPICALLY 5x5x1.2m (VP1)

EXISTING SERVICES AND UTILITIES TO BE RETAINED. REFER PACKAGE 34

EXISTING SERVICES AND UTILITIES TO BE REMOVED/ABANDONED. REFER PACKAGE 34

PROPOSED SERVICES AND UTILITIES. REFER PACKAGE 34

EXISTING DRAINAGE TO BE RETAINED. REFER PACKAGE 33

EXISTING DRAINAGE TO BE REMOVED/ABANDONED. REFER PACKAGE 33

PROPOSED DRAINAGE. REFER PACKAGE 33

PLANTING PLAN LEGEND

PLANTING BED TYPE 1. REFER PLANT SCHEDULE (TABLE 3), PLANTING PLANS AND PLANTING DETAILS

500mm WIDE NO PLANT ZONE ADJACENT TRACKFORM AND KERBS.

MELD LINE - INDICATES WHERE ADJACENT PLANTINGS TO BLEND TO CREATE NON-LINEAR EFFECT. REFER TO TYPICAL DETAIL

PLANTING BED TYPE 7: NATIVE GRASSLAND MIX. REFER PLANT SCHEDULE (TABLE 4), PLANTING PLANS AND PLANTING DETAILS

PLANTING BED TYPE 7: PURPLE WILDFLOWER AND NATIVE GRASS MIX. REFER PLANT SCHEDULE (TABLE 4), PLANTING PLANS AND PLANTING DETAILS

PLANTING BED TYPE 7: WHITE WILDFLOWER AND NATIVE GRASS MIX. REFER PLANT SCHEDULE (TABLE 4), PLANTING PLANS AND PLANTING DETAILS

PLANTING BED TYPE 7: YELLOW WILDFLOWER AND NATIVE GRASS MIX. REFER PLANT SCHEDULE (TABLE 4), PLANTING PLANS AND PLANTING DETAILS

RELATIVE LEVELS

TRACKFORM	0	
KERB HEIGHT	+150	
PAVEMENT	+150 + 300	
PLANTERS	● HEIGHT 1: 550	(150+400)
	● HEIGHT 2: 750	(150+600)
	● HEIGHT 3: 700	(300+400)
	● HEIGHT 4: 900	(300+600)

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the DSB quality assurance system to ISO 9001:2008.

CapitalMetro ACT Government	DRAWN <u>A. HUANG</u> 11/08/17
architectus	DESIGNED <u>M. REEVES</u> 11/08/17
dsb Landscape Architects	DRG CHECK <u>M. REEVES</u> 11/08/17
	DESIGN CHECK <u>D. PEARCE</u> 11/08/17
	APPROVED <u>M. REEVES</u> 11/08/17

CAPITAL METRO PROJECT		
PACKAGE 39.02 PRECINCT 6: CIVIC		
LANDSCAPE		
LEGENDS		
MISCELLANEOUS LEGENDS		
FILE No. 3139	SHEET: 1 OF 1	A1
STATUS: STAGE 1&2		
DRG No.	EDMS No.	
02-DSB-DRW-LAN-NA-0155	B	

NO.	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
AMD	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
CO-ORDINATE SYSTEM: -		HEIGHT DATUM: -		SCALE: AS SHOWN



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NOTES

GENERAL

- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL CONTRACTS, SPECIFICATIONS, REPORTS AND APPROVAL CONDITIONS.
- URBAN DESIGN AND LANDSCAPE DOCUMENTATION IS ONLY TO BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISSIONED. UNAUTHORISED USE OF THIS DOCUMENT IS PROHIBITED.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
- ALL WORKS TO BE IN ACCORDANCE WITH THE PROJECT URBAN DESIGN AND LANDSCAPE SPECIFICATION 00-CMC-SPC-LAN-GE-0100+ (CURRENT REVISION)
- THE CONTRACTOR IS TO CONFIRM THE LOCATION OF ANY UNDERGROUND SERVICES PRIOR TO UNDERTAKING ANY EXCAVATION WORKS
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICES AND OBTAINING CLEARANCES AND APPROVALS.
- THE CONTRACTOR SHALL SET OUT THE WORKS TO THE LINES, LEVELS AND DIMENSIONS SHOWN IN THE CONTRACT DOCUMENTS, OR DIRECTED BY THE SUPERINTENDENT, FROM ACT SURVEY OFFICE PERMANENT MARKS AND BENCH MARKS IN THE AREA

RELATED DESIGN PACKAGES

RELATED DESIGN PACKAGES – ARCHITECTURAL & PUBLIC REALM:

DESIGN PACKAGE 9	SIGNAGE AND WAYFINDING
DESIGN PACKAGE 20.2	PRECINCTS 2 & 3: FLEMINGTON ROAD
DESIGN PACKAGE 39.1	PRECINCTS 4 & 5: FEDERAL HIGHWAY AND NORTHBOURNE AVENUE
DESIGN PACKAGE 39.2	PRECINCT 6: CIVIC
DESIGN PACKAGE 50	ALINGA STOP
DESIGN PACKAGE 50.1	PRECINCT 6: NORTHBOURNE PLAZA
DESIGN PACKAGE 55	TYPICAL DETAILS (ISLANDS AND SIDE STOPS, PROTOTYPES)

RELATED DESIGN PACKAGES – ENGINEERING:

DESIGN PACKAGE 7	PAVEMENTS
DESIGN PACKAGE 30	MAINLINE TRACK ALIGNMENT – SOUTH
DESIGN PACKAGE 31	MAINLINE TRACKFORM INCL. EARTHWORKS – SOUTH
DESIGN PACKAGE 32	EARTHWORKS (ROAD CORRIDOR) – SOUTHERN
DESIGN PACKAGE 33	DRAINAGE SOUTHERN
DESIGN PACKAGE 35	ROADWORKS – SOUTHERN
DESIGN PACKAGE 36	ROAD FURNITURE/SIGNS/LINES – SOUTH
DESIGN PACKAGE 37	STREET LIGHTING – SOUTH
DESIGN PACKAGE 38	OVER HEAD WIRING (OHW) – SOUTH
DESIGN PACKAGE 73	MORPHETT STREET PROTECTION SLAB

RELATED DESIGN PACKAGES – SERVICES:

DESIGN PACKAGE 34	CSR – SOUTHERN
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LANDSCAPE SPECIFICATION:

00-CMC-SPR-LAN-GE-0100

ABBREVIATIONS:

DKE	DYNAMIC KINETIC ENVELOPE
LRV	LIGHT RAIL VEHICLE
OHW	OVERHEAD WIRING
OLE	OVERHEAD LINE EQUIPMENT
TGSI	TACTILE GROUND SURFACE INDICATOR
TPS	TRACTION POWER SUBSTATION
OCC	OPERATIONS CONTROL CENTRE
CCTV	CLOSED CIRCUIT TELEVISION
RCL	RAIL CENTRE LINE
TCES	TRANSPORT CANBERRA AND CITY SERVICES

TREE MANAGEMENT NOTES

PROTECTION OF ALL HARD AND SOFT LANDSCAPE ASSETS ON ROAD RESERVES, STREET VERGES, PUBLIC OPEN SPACES AND UNLEASED TERRITORY LAND ADJACENT TO DEVELOPMENT TO COMPLY WITH THE LANDSCAPE MANAGEMENT AND PROTECTION PLAN

1.0 GENERAL
ALL CONSTRUCTION WORK MUST BE CONTAINED WITHIN THE SITE

2.0 NOTES FOR LANDSCAPE MANAGEMENT & PROTECTION

2.1 STORAGE OF CONSTRUCTION MATERIAL
NO CONSTRUCTION MATERIAL TO BE STORED ON VERGES, PUBLIC OPEN SPACE OR UNLEASED TERRITORY LAND. NO CAR PARKING OR EQUIPMENT PARKING PERMITTED ON VERGES, PUBLIC OPEN SPACE OR UNLEASED TERRITORY LAND.

2.2 SITE ACCOMMODATION
NO SITE SHEDS, STORAGE SHEDS, SITE AMENITIES OR BILL BOARDS TO BE ERECTED ON VERGES, PUBLIC OPEN SPACE OR UNLEASED TERRITORY LAND.

2.3 FENCING
ERECT PROTECTIVE FENCE AT COMMENCEMENT OF WORKS AND REMOVE ON COMPLETION OF CONSTRUCTION AND COMMENCEMENT OF RESTORATION WORKS IN ACCORDANCE WITH THE APPROVED LMPP.
PROTECTIVE FENCE:- 1800 HIGH CONTINUOUS MESH FENCE SUPPORTED BY STEEL POSTS WITH CONCRETE BASES IS MANDATORY.

2.4 EXISTING TREES
ALL TREES LOCATED IN ROAD RESERVE, STREET VERGES, PUBLIC OPEN SPACE AND UNLEASED TERRITORY LAND ARE TO BE RETAINED (UNLESS NOTED OTHERWISE) AND REMAIN UNDAMAGED. EXISTING CLEARANCE FROM GROUND TO CANOPY IS NOT TO BE ALTERED. ENSURE CONSTRUCTION EQUIPMENT CAN PASS BENEATH LOWEST LIMB, THROUGH DRIVEWAY ACCESS. CROWNS AND APEX OF CANOPY ARE NOT TO BE ALTERED OR REDUCED. ENSURE LIFTING EQUIPMENT AND LOAD CAN CLEAR HEIGHT AND WIDTH OF TREE CROWN WITHOUT DAMAGE TO CROWN.

2.5 SITE ACCESS
PROVIDE SITE ACCESS IN ACCORDANCE WITH THE APPROVED LMPP.

2.6 PEDESTRIAN AND BICYCLE MOVEMENT
EXISTING FOOTPATH/CYCLEPATH TO BE MAINTAINED AND REMAIN UNOBSTRUCTED THROUGHOUT THE DEVELOPMENT WORKS.
MAINTAIN PROTECTIVE FENCING 600 OFFSET FROM EACH SIDE OF PATH.
ESTABLISH AND MAINTAIN AN 1800 WIDE FENCED CLEAR WAY ALONG THE ENTIRE LEASE BOUNDARY WHERE NO CONSTRUCTED FOOTPATH EXISTS.

2.7 LANDSCAPE MAINTENANCE AND RESTORATION
PROVIDE CONTINUOUS CARE AND MAINTENANCE BY HORTICULTURAL PRACTICES OF SOFT LANDSCAPE ASSETS ON ROAD RESERVES, STREET VERGES, PUBLIC OPEN SPACE AND UNLEASED TERRITORY LAND ADJACENT TO THE DEVELOPMENT FOR THE DURATION OF THE WORKS (INCLUDING RESTORATION WORKS).
GRASS AREAS SHALL HAVE A HEALTHY AND VIGOROUS GRASS SWARD APPROPRIATE TO THE AREA. IF THE STANDARD OF GRASS COVER IS TO BE IMPROVED, THE FOLLOWING REQUIREMENTS APPLY:-

- LIGHTLY CULTIVATE THE SOIL TO 25-50mm DEPTH (50mm MAXIMUM TO MINIMISE DAMAGE TO TREE ROOTS). CULTIVATE ONLY IN ONE DIRECTION. AVOID MAJOR TREE ROOTS AND KEEP A MINIMUM OF ONE METRE (1.0m) AWAY FROM TREE TRUNKS.
- ADD TYPE 'B' TOPSOIL AT 25-50mm DEPTH. LEVEL THE TOPSOIL AND ADD NPK FERTILISER (EQUIVALENT TO MULTIGRO) AT 40g/m².
- LAY TURF OR SOW SEED OF SUITABLE DROUGHT TOLERANT SPECIES AS SPECIFIED IN THE ACT GOVERNMENT "SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS" (ISSUE 1, REVISION 0, 2002). KEEP MOIST DURING ESTABLISHMENT.

PLANT DAMAGE: DAMAGE TO TREES OR OTHER PLANTINGS TO BE RECTIFIED BY REPLACEMENT. SOFT LANDSCAPE ASSET RESTORATION WORK IS TO BE APPROVED BY CUPP AND CARRIED OUT BY A CUPP APPROVED OPERATOR.

2.8 TREE ROOT PROTECTION
PROPOSED EXCAVATION WITHIN THE DRIP ZONE OF A TREE IS RESTRICTED TO ONE SIDE OF THE TREE ONLY.

EXCAVATION CONDITIONS:

- DO NOT SEVER LARGE ROOTS (>30mm DIAMETER) CLOSER THAN HALFWAY FROM THE DRIP LINE TO THE TRUNK. HAND TRENCHING TO A DEPTH OF 300mm IS REQUIRED TO LOCATE THESE ROOTS BEFORE ANY MECHANICAL TRENCHING IS UNDERTAKEN.
- ALL ROOTS TO BE CUT CLEANLY WITH SPECIFICALLY DESIGNED EQUIPMENT OR OTHER SUITABLE PRUNING EQUIPMENT WHICH WILL CUT ROOTS CLEANLY.
- ROOTS EXPOSED DURING EXCAVATION MUST BE PROTECTED FROM DESICCATION. KEEP LIGHTLY WATERED OR COVER WITH HESSIAN WHICH MUST BE KEPT MOIST.
- WATER TREES WHICH HAVE HAD DISTURBANCE IN THEIR ROOT ZONE. THE AMOUNT AND FREQUENCY OF WATER NEEDS TO BE ADAPTED TO THE TREE'S REQUIREMENT, BASED ON SEASONAL CONDITIONS.

GENERAL ARRANGMENTS NOTES

- MAKE SOUND & MATCH EXISTING BUILDING FACADES, STEPS ETC. T.M.E. UNLESS NOTED OTHERWISE. ALLOW FOR EXTENSION & REINSTATEMENT OF ALL FINISHES (INCLUDING PAINT, TILE, RENDER, METALWORK, ETC) TO SUPERINTENDENT'S APPROVAL.
- MODIFY ALL UTILITY LIDS & ALIGNMENTS (INCLUDING UNSURVEYED) TO AUTHORITY & REGULATORY REQUIREMENTS TO SUIT NEW WORKS. REFER SURVEY OF EXISTING CONDITIONS & ENGINEER'S EXISTING SURVEY PLAN.
- PROTECT, MODIFY OR REINSTATE ALL EXISTING SURVEY INFRASTRUCTURE IN ACCORDANCE WITH REGULATIONS WHERE AFFECTED BY WORKS.
- MINIMUM EXTENT OF REINSTATEMENT GRASSING IS SHOWN AS PER DRAWINGS, WHERE NOT INDICATED, REINSTATE GRASSING TO LIMIT OF DISTURBANCE IN ACCORDANCE WITH PROJECT LMPP.
- ALL TREES, SHRUBS, GROUND COVERS AND GRASSING SUBJECT TO 52 WEEKS CONSOLIDATION
- FURNITURE MODEL TYPES ARE SUBJECT TO APPROVAL AND SELECTION BY OPERATIONS AND MAINTENANCE (O&M).
- PROPRIETARY PRODUCTS AND SYSTEMS ARE TO BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATION

LANDSCAPE & SUBSURFACE SETOUT NOTES

- VERIFY DIMENSIONS, LEVELS & DETAILS TO SITE CONDITIONS AND PRIOR WORKS, AND REPORT ALL DISCREPANCIES TO THE SUPERINTENDENT FOR RESOLUTION BEFORE COMMENCING WORK.
- COORDINATE ALL DRAINAGE AND LEVELS WITH HYDRAULIC AND CIVIL DOCUMENTATION
- WHERE DESIGN LEVELS, FALLS AND CONTOURS NOT SHOWN, ALLOW FOR NEW F.S.L. TO MATCH EXISTING ADJACENT & TYP 2% DRAINAGE FALLS AND SEEK INSTRUCTION FROM SUPERINTENDENT
- MODIFY ALL UTILITY LIDS & ALIGNMENTS (INCLUDING UNSURVEYED) TO AUTHORITY & REGULATORY REQUIREMENTS TO SUIT NEW WORKS. REFER SURVEY OF EXISTING CONDITIONS & ENGINEER'S DRAWINGS REFER CIVIL DOCUMENTATION FOR DRAINAGE NETWORK, KERB ALIGNMENT & SETOUT.
- DISTRIBUTE LIKE JOINTS PARALLEL/PERPENDICULAR TO CONTROLLING EDGE GEOMETRY UNLESS DEFINED OR INSTRUCTED OTHERWISE. GAIN APPROVAL PRIOR TO POURING.
- INSTALL EXPANSION JOINTING TO ALL FIXED STRUCTURES INCLUDING SIGNS, LIDS, VENTS, LIGHTS, WALLS, SHELTERS, KERBS AND UTILITIES
- INSTALL TRIMMERS TO ALL RE-ENTRANT CORNERS, ACUTE ANGLES AND LOCATIONS SUBJECT TO CRACKING
- DEJ CONTINUOUS THROUGH TACTILE INDICATORS U.N.O.
- ALL TREE POSITIONS ARE DIMENSIONED PERPENDICULAR RELATIVE TO TRACKFORM, U.N.O.
- ROOT BARRIER IS TO BE INSTALLED ADJACENT STORM WATER INFRASTRUCTURE WHERE REQUIRED IN ACCORDANCE WITH DESIGN STANDARD Z3 – TCES DESIGN STANDARDS FOR URBAN INFRASTRUCTURE, TO PROTECT INDIVIDUAL SERVICES OR LIGHT RAIL INFRASTRUCTURE
- ROOT BARRIER IS TO BE INSTALLED ADJACENT WATER AND SEWER INFRASTRUCTURE WHERE REQUIRED IN ACCORDANCE WITH ICON WATER GENERAL DESIGN GUIDELINES – LANDSCAPE REQUIREMENTS, TO PROTECT INDIVIDUAL SERVICES OR LIGHT RAIL INFRASTRUCTURE
- ROOT BARRIER IS TO BE INSTALLED WHERE TREES ARE PLANTED WITHIN 2m FROM THE SIDE OF ANY GAS MAIN, NOT LESS THAN 1m FROM THE SIDE OF THE GAS MAIN TO THE CENTRE OF THE PROPOSED TREE – AS PER JEMENA TREE PLANTING GUIDELINES (SYDNEY LIGHT RAIL PROJECT EXAMPLE).
- WHERE REQUIRED, ROOT BARRIER IS TO BE INSTALLED BY SURROUNDING INDIVIDUAL SERVICES OR LIGHT RAIL INFRASTRUCTURE UNLESS NOTED OTHERWISE, AND IS NOT TO INHIBIT ROOT SPREAD IN ANY GIVEN DIRECTION.
- SUBSOIL DRAINS ARE TO BE PROVIDED TO ALL PLANTING BEDS AND DRAINED TO STORM WATER OUTLET
- COORDINATE WORKS WITH IRRIGATION DESIGN AND SPECIFICATION (WHERE APPLICABLE)

PLANTING NOTES

- ALL TREES TO BE IN ACCORDANCE WITH NATSPEC GUIDELINES – SPECIFYING TREES (ROSS CLARKE, 2003), SECOND EDITION – A GUIDE TO ASSESSMENT OF TREE QUALITY.
- TREE SUPPLY SIZE INDICATED IS TO BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL SOURCE SUITABLE STOCK AND GAIN APPROVAL FROM SUPERINTENDENT PRIOR TO ORDERING.
- TREES MUST BE OF GOOD QUALITY STOCK WITH WELL ESTABLISHED CANOPY IN WHICH NUMEROUS UPRIGHT BRANCHES ACHIEVE THE SPECIFIED MINIMUM HEIGHT WHEN PLANTED.
- NATIVE GRASS & SHRUB SUPPLY SIZE INDICATED IS TO BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL SOURCE SUITABLE STOCK AND GAIN APPROVAL FROM SUPERINTENDENT PRIOR TO ORDERING.
- NATIVE SEED IS TO BE SOURCED SUSTAINABLY AND PROVIDED AS PURE LIVE SEED WHERE NOTED.
- SHRUB AND GROUNDCOVER PLANTINGS TO BE SET BACK 500MM FROM KERBS, PATHS, BUILDING, TRACKFORM ETC. U.N.O.
- PLANT SPECIES QUANTITIES ARE PROVIDED BY AREA, THE CONTRACTOR SHALL SET-OUT PLANTS AT EVEN SPACING TO ENSURE CONSISTENT COVERAGE OF AREA INDICATED IN DRAWINGS

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

This drawing is confidential and shall only be used for the purpose of this project. The signing of this title block confirms the design and drafting of this project have been prepared and checked in accordance with the DSB quality assurance system to ISO 9001-2008.

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ACT Government

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DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17


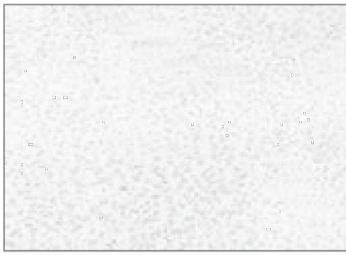


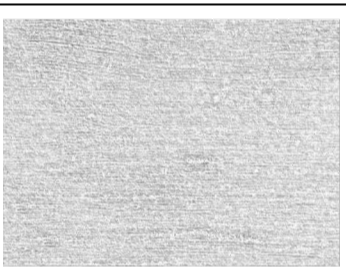
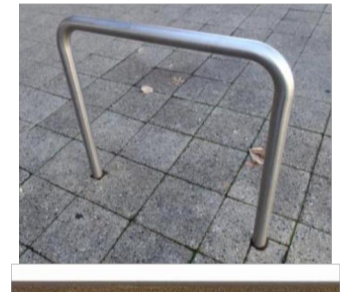

CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE
NOTES
MISCELLANEOUS NOTES

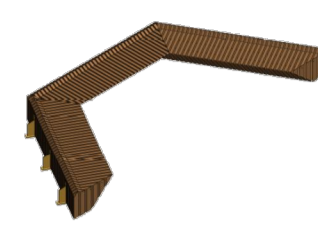
FILE No. 3139	SHEET: 1 OF 1	A1
STATUS: STAGE 1&2		
DRG No. 02-DSB-DRW-LAN-NA-0156	B	EDMS No.

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Plot Date & Time: 19/02/2016 8:25 AM

MATERIALS AND FINISHES SCHEDULE

Code	Element	Design Package	Description	Technical Data	Design Life / Maximum Replacement Times	Quality Benchmark
T1	Pavements (Track zone)	X	In-situ reinforced concrete - Light rail permanent corridor track zone and civil pavements not in proximity to platforms COLOUR: Tint 1% of Geostone Holcim 'Ironstone' FINISH: Broom Finish	To engineers specification and detail. Refer package 31. To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 40 Years	 Yarra Trams, Melbourne TCCS Consistency of colour with system trackform
T3	Pavements (Pedestrian & Track zone)	X	In-situ reinforced coloured concrete - Pedestrian crossing over track form, selected project locations COLOUR: HOLCIM Geostone "Snow" tint at 3% cement content FINISH: Broom Finish AGGREGATE: Cooma Road Dacite CEMENT: Grey	To engineers specification and detail. Refer package 7, package 12, package 16.1 and package 16.2 To be in accordance with TAMS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Coloured concrete image is indicative. Coloured concrete to be confirmed following prototyping. Constitution Avenue Upgrade Central Canberra Scotts crossing Consistency of system wide colour contrast and demarcation of safe crossing zones.
T4	Pavements (Pedestrian & Track zone)	X	Granite Setts margin - Pedestrian crossing over track form, project wide DETAILS: 90x90x60 Austral Granite Setts COLOUR: Austral Black FINISH: Exfoliated FIXING: Granite Set adhesive (Laticrete 3701-Laticrete 225), over 30mm thick mortar bed, (Laticrete 3701-Laticrete 225), over slurry bond coat (Laticrete 4237-Laticrete 211) JOINT: 10mm width modified mortar mixed with Laticrete 3701 mortar admix, Laticrete 225 thick bed mortar JOINT COLOUR: To match setts colour	To engineers specification and detail. Refer package 7, package 12, package 16.1 and package 16.2 To be in accordance with TAMS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings Exfoliated with split edge (to provide tactile warning in place of TGSIs)	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Gungahlin Town Centre Sydney CBD Consistency of colour, joint width and level tolerance
T6	Pavements (Track zone, Civil & Paths)	X	In-situ reinforced concrete - Light rail permanent corridor track zone adjacent platforms COLOUR: Geostone 'Ironstone' oxide tint 3% of cement content FINISH: Broom finish SEALER: Drytreat Stainproof SEALANT: Sikaflex Pro Black polyurethane construction joint sealant	To engineers specification and detail. Refer package 11.1 and 12 To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings Refer to specification for Admixtures, Additives and Sealants	Minimum design life in accordance with Table 2 SPR Appendix 11. 40 Years	 Sydney CBD Consistency of paving and paving colour
B3	Pavements (Pedestrian)	X	In-situ reinforced concrete - Pedestrian pavements to crossings and paths where not in proximity to platforms COLOUR: standard grey concrete FINISH: Broom Finish	To engineers specification and detail. Refer package 7. To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 TCCS Consistency of colour and finish
BR2	Street Furniture (Bicycle Rack)	X	Security Level C bicycle parking device adjacent Alinga Stop Platform CAPACITY: 2 Bicycles. DETAILS: 800(H) x 840(W) x 50mm CHS Brass-bronzed. MOUNTING: Sub-surface mounting to concrete footing. 470x250x350mm, 30mPa. FINISH: Chemical bronzed finish.	To landscape specification and detail. Set-out and installed in accordance with AS 2890.3 To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Australian War Memorial, Eastern Precinct, Canberra. Barrangaroo Southern Precinct, Sydney Structural stability and vandalism resistance
BRSS	Street Furniture (Bicycle Rack)	X	Security Level C bicycle parking device to match existing adjacent on Alinga Street. CAPACITY: 2 Bicycles. DETAILS: 800(H) x 840(W) x 50mm, 16mm wall thickness pipe MOUNTING: Sub-surface mounting to concrete footing. 470x250x350mm, 30mPa. COLOUR: Stainless steel FINISH: Stainless steel finish.	To landscape specification and detail. Set-out and installed in accordance with AS 2890.3 To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Existing bike racks on Alinga Street

Code	Element	Design Package	Description	Technical Data	Design Life / Maximum Replacement Times	Quality Benchmark
SEAT		x	Brass framed benching with timber slats as shown in the Design Drawings, installed horizontally leveled with height above ground level in accordance with AS1428.2 Clause 27.2 and Disability Standards for Accessible Transport (DSAPT). - Size: Refer to the Design Drawings. - Sub-framing finish: Mild steel angle frame with protective steel coating. i. Colour: To match Dulux Duratec "Eternity Bronze Pearl" Satin 90088393. ii. Fixings: All fixings countersunk and tamper-proof. - Edge framing material: Brass angle frame as shown in the Design Drawings. i. Material: Arsenical brass/hard drawn brass - Alloy 26130; composition 70Cu, 30Zn, As. ii. Finish: Mill finish. Allow for minimum three months' weathering prior to installation on site. iii. Fixings: All fixings countersunk and tamper-proof. - Slats: Select grade hardwood. Profile as shown on drawings. i. Species: Grey ironbark, recycled or FSC source. ii. Natural durability class: Class 1, sapwood removed. iii. Finish: Penetrating timber oil Type PNT-103. Refer to section 0671. - Concrete seat base: Precast concrete. Integral recessed LED lighting as shown in the Design Drawings. Polished finish. Concrete mix Holcim Geostone 'Ironstone' 3% cement content Spares: Requirement for spares to be advised.	To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Unique Design
Timber seal to seats	x		High performance stabilising coating in the form of a deep penetrating timber oil. Manufacturer/ reference: Cutek/ Cutek Extreme or acceptable equivalent. Prep coats: Apply one coat of Cutek Extreme to all faces(including underside), edges of timber decking boards prior to fixing with moisture content of no more than 17%. Finish Coat: 2 coats of Cutek extreme after timber has been fixed to substrate. - Each coat to be applied after the previous coat has penetrated, dry and is non-greasy - Where a natural silvering is not desired, a colorant additive matching the natural timber species colour shall be added to the sealer which will enhance the UV stabilising properties of the coating. Colours: Walnut. Colourtone to match timber species as directed by the Architect for approval.	To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	
Steel protective coating to seat sub-frame	X		Two pack fluoropolymer resin base top coat. Manufacturer/ reference: A-I Coatings/ Vitreflon 790, or acceptable equivalent. Ensure all steel edges are radiused to a minimum of 2mm to ensure the correct film build is achieved on edges as well. Preparation: Abrasive blast clean all steel surfaces to be painted in accordance with AS 1627.4 to visual standard AS 1627.9 Class 2.5. Coatings system: - Primer: Vitrezinc 586 zinc rich epoxy to 75 microns dry film thickness. - Intermediate: Vitreset 416 MIO epoxy to 200 microns dry film thickness. - Final coat: Vitreflon V790 two pack fluoropolymer coating to 75 microns dry film thickness. Total dry film thickness (DFT): 350 microns. Gloss level: Satin 30% gloss level. Colour: To match Dulux Duratec "Eternity Bronze Pearl" Satin 90088393.	To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	

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DRG CHECK	M. REEVES	11/08/17
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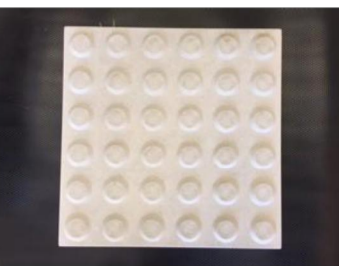
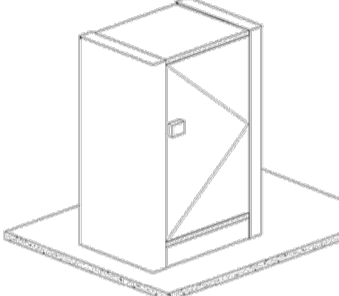


CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE
MATERIALS AND FINISHES SCHEDULE

FILE No.	3139	SHEET: 1	OF 2	A1
STATUS:	STAGE 1&2			
DRG No.	02-DSB-DRW-LAN-NA-0161			
EDMS No.	A			

B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
AMD	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
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Plot Date & Time: 19/02/2016 8:25 AM

MATERIALS AND FINISHES SCHEDULE

Code	Element	Design Package	Description	Technical Data	Design Life / Maximum Replacement Times	Quality Benchmark
TG1	Tactile Warning Pavements (Pedestrian)	X	Tactile Ground Surface Indicators (TGS) to all pedestrian track crossings (at hold points) One piece concrete tactile ground surface indicators in accordance with the NCC and conforming to AS/NZS 1428.4.1. Manufacturer/ reference: Indicative to Chelstone Hazard tactile indicator pavers or acceptable equivalent. Material: Concrete Slip resistance: R12 Dimensions: 300 x 300 x 40mm Luminance contrast to the background surface conforming to clause 2.2 of AS/NZS 1428.4.1, in both wet and dry conditions. Fixing: Installed into flooring material using normal paving practices. Tiles laid level with surrounding surface so that the tactile stud stands proud, using approved adhesive applied with suitable square notched trowel as per the manufacturer's approved installation manual. 2-3mm grouting between the tiles. Refer to the Design Drawings for extent of colour in hazard strip. Finish: Textured top surface. Colour: "Snow" (white) Grout colour: To match concrete.	To engineers specification and detail. To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings Material to achieve 45% colour contrast to adjacent material	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Canberra General Warning TGS
IC	Street Furniture Dual Openings with Internal Divider. (Irrigation Controller Enclosure)	X	Textured rigidised stainless steel panelled enclosure as shown in the Design Drawings, with bin installed horizontally levelled with height above ground level in accordance with AS 1428.2 Clause 27.2 Cover: Brass sheet wrapping marine-grade plywood substrate and mild steel frame as shown in the Design Drawings. Material: Arsenical brass/hard drawn brass - Alloy 26130; composition 70Cu, 30Zn, As. Finish: Mill finish. Allow for minimum three months' weathering prior to installation on site. End panels: Precast concrete panels CON-211 in accordance with section 0316. Panel size shown in the Design Drawings. Labeling: Provide clear labelling for waste and recyclables. Locking: All enclosures will be lockable. Locks will be tamperproof. Stainless steel lock. Fixing: Concealed tamper proof fixings to detail. Refer Architects specification and Package 55.	To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Unique design
B10	Austral black granite pavement	x	Austral Black granite pavers set on 150mm thick reinforced concrete base (refer Canberra Central Design Manual Part B1 - Paving Type 2) Paver 600mm x 400mm rhomboid 60 degrees Finish: Exfoliated	To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Civic Design Manual Northbourne Avenue Verges
B10a	Highlight Pavers	x	Harcourt granite pavers set on 150mm thick reinforced concrete base (refer Canberra Central Design Manual Part B1 - Paving Type 2) Paver Half sized 600mm x 400mm rhomboid 60 degrees Finish: Exfoliated	To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	Civic Design Manual Northbourne Avenue Verges
SKR	Special Kerb (Mid-block Crossings)	X	Special Kerb with skate deterrent recesses to all Mid-block crossing path edges DETAILS: 200(H)x300(W) special kerb to detail, 25x25mm 45° chamfer both sides, with skate deterrent recess SKATE DETTERENT RECESS: 40mm width x 50mm deep channel, to top face, at 625mm centres CONCRETE/FOUNDING: To Engineer's Detail TAPERING: Where adjacent pram ramp - SKR tapers to meet top of kerb, over the length of the pram ramp. Where adjacent other civil kerb, SKR is to taper as per engineers detail. MATERIAL: Saw cut Austral black granite Pavers in finishes and materials.	Kerb to engineers specification and detail. Skate deterrent recess and finish to landscape specification and detail. To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	 Southbank, Brisbane Consistency of colour and finish with surrounding pavement
	Fractal Geometry Planter Bed Edging	X	Raised painted steel edging to fractal geometry planter bed. DETAILS : 100mm x 6mm galvanised plate steel FIXING : To subsurface supports. FINISH : MID Paint Finish Dulux Duratec 'Eternity Bronze Pearl'	To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings To approved shop drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	
W2	Wall	X	Wall to 400mm height to planter bed edges and adjacent to seats and bicycle racks. DETAILS : 100mm by variable height to maximum 400mm high reinforced concrete wall. FINISH : Class 2 Formwork Polished finish. Concrete mix Holcim Geostone 'Ironstone' 3% cement content	To be in accordance with TCCS Standard Specification for Infrastructure works, current edition To be in accordance with all contract SPRs, specifications and approved drawings	Minimum design life in accordance with Table 2 SPR Appendix 11. 20 Years	

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CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE
MATERIALS AND FINISHES SCHEDULE

FILE No. 3139	SHEET: 2 OF 2	A1
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DRG No. 02-DSB-DRW-LAN-NA-0162	EDMS No.	

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AMD	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
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PLANTING SCHEDULES

TABLE 1 TREE PLANTING

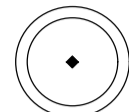
BOTANICAL NAME	COMMON NAME	POT SIZE
<u>Native Trees</u>		
 <i>Eucalyptus mannifera</i>	Brittle Gum	200L


















TABLE 3 PLANTING BED TYPE 1 [PB1]

CODE	BOTANICAL NAME	POT SIZE	DENSITY (m ²)
<u>14.0mm - (ADJACENT TO TRACKFORM)</u>			
POAI	<i>Poa labillardieri</i>	14.0mm	6
Fin	<i>Ficinea nodosa</i>	14.0mm	6
<u>14.0mm - (NOT ADJACENT TO TRACKFORM)</u>			
Bma	<i>Bothriochloa macra</i>	14.0mm	6
Msti	<i>Microlaena stipoides</i>	14.0mm	6
Laia	<i>Leucochrysum albicans</i>	14.0mm	6
LDc	<i>Lomandra confertifolia</i>	14.0mm	6

TABLE 4 PLANTING BED TYPE 7 [PB7]

CODE	BOTANICAL NAME	POT SIZE	DENSITY (m ²)
<u>14.0mm - (NATIVE GRASSLAND MIX)</u>			
Laia	<i>Leucochrysum albicans</i>	14.0mm	6
LDc	<i>Lomandra confertifolia</i>	14.0mm	6
Msti	<i>Microlaena stipoides</i>	14.0mm	6
<u>14.0mm - (YELLOW WILDFLOWER AND NATIVE GRASS MIX)</u>			
CLc	<i>Calocephalum citreus</i>	14.0mm	6
Cap	<i>Chrysocephalum apiculatum</i>	14.0mm	6
Csm	<i>Chrysocephalum semipapposum</i>	14.0mm	6
Msti	<i>Microlaena stipoides</i>	14.0mm	6
Xev	<i>Xerochrysum viscosum</i>	14.0mm	6
<u>14.0mm - (PURPLE WILDFLOWER AND NATIVE GRASS MIX)</u>			
BRm	<i>Brachyscome multifida</i>	14.0mm	6
Eov	<i>Eryngium ovinum</i>	14.0mm	6
Msti	<i>Microlaena stipoides</i>	14.0mm	6
SLg	<i>Stylidium graminifolium</i>	14.0mm	6
W Mix	<i>Wahlenbergia ACT Mix</i> <i>W.gloriosa</i> <i>W.stricta</i> <i>W.communis</i> <i>W.gracilis</i>	14.0mm	6
<u>14.0mm - (WHITE WILDFLOWER AND NATIVE GRASS MIX)</u>			
Laia	<i>Leucochrysum albicans</i>	14.0mm	6
LDc	<i>Lomandra confertifolia</i>	14.0mm	6
MYp	<i>Myoporum parvifolium</i>	14.0mm	6

NATIVE SHRUBS & GRASSES & GROUNDCOVER

CODE	BOTANICAL NAME
 BRm	<i>Brachyscome multifida</i>
 CLc	<i>Calocephalum citreus</i>
 Cap	<i>Chrysocephalum apiculatum</i>
 Csm	<i>Chrysocephalum semipapposum</i>
 Eov	<i>Eryngium ovinum</i>
 Fin	<i>Ficinea nodosa</i>
 LDc	<i>Lomandra confertifolia</i>
 Laia	<i>Leucochrysum albicans</i>
 MYp	<i>Myoporum parvifolium</i>
 SLg	<i>Stylidium graminifolium</i>
 POAI	<i>Poa labillardieri</i>
 Xev	<i>Xerochrysum viscosum</i>
 Bma	<i>Bothriochloa macra</i>
 Msti	<i>Microlaena stipoides</i>
 W Mix	<i>Wahlenbergia ACT Mix</i> : <i>W.gloriosa</i> <i>W.stricta</i> <i>W.communis</i> <i>W.gracilis</i>

NO.	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
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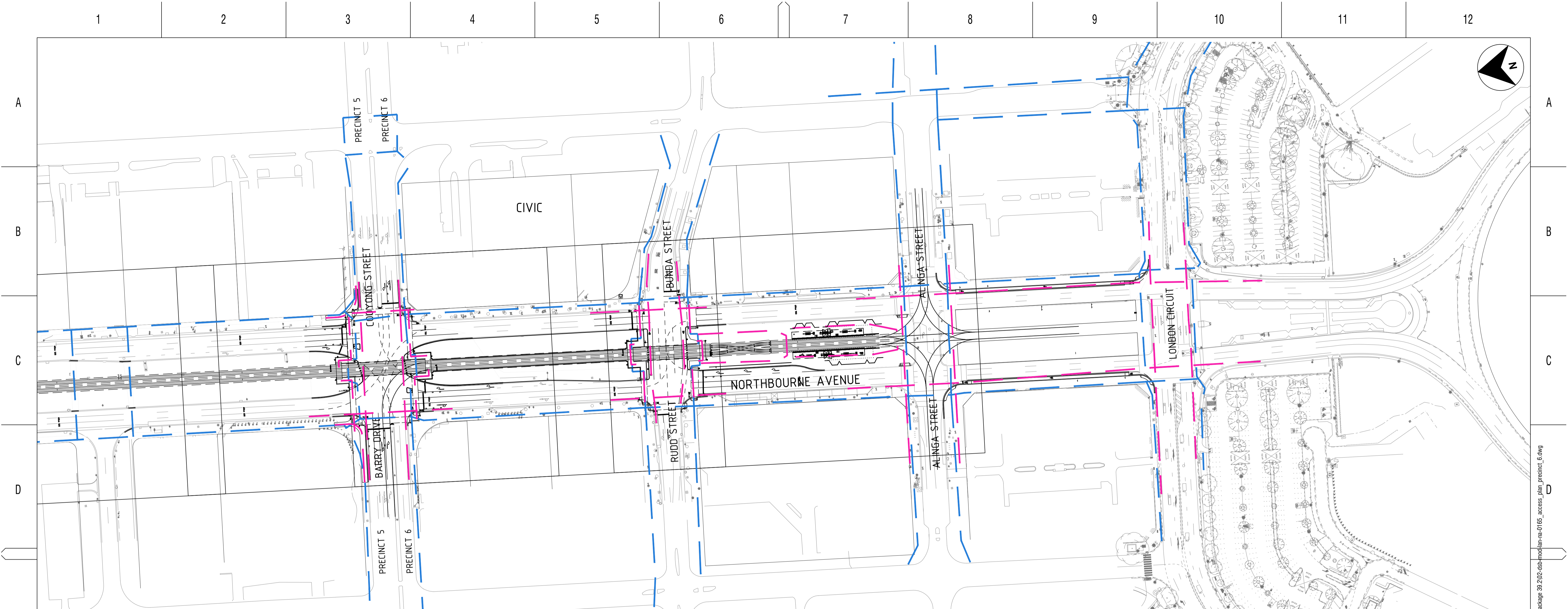
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DESIGNED	A. HUANG	11/08/17
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DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE PLANTING SCHEDULE

FILE No. 3139 SHEET: 1 OF 1 A1
STATUS: STAGE 1&2
DRG No. 02-DSB-DRW-LAN-NA-0163 EDMS No. B

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PRECINCT 6

SCALE: NTS

ACCESS PLAN LEGEND

— CURRENT PEDESTRIAN AND CYCLE PATHS

— FUTURE PEDESTRIAN AND CYCLE PATHS

B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
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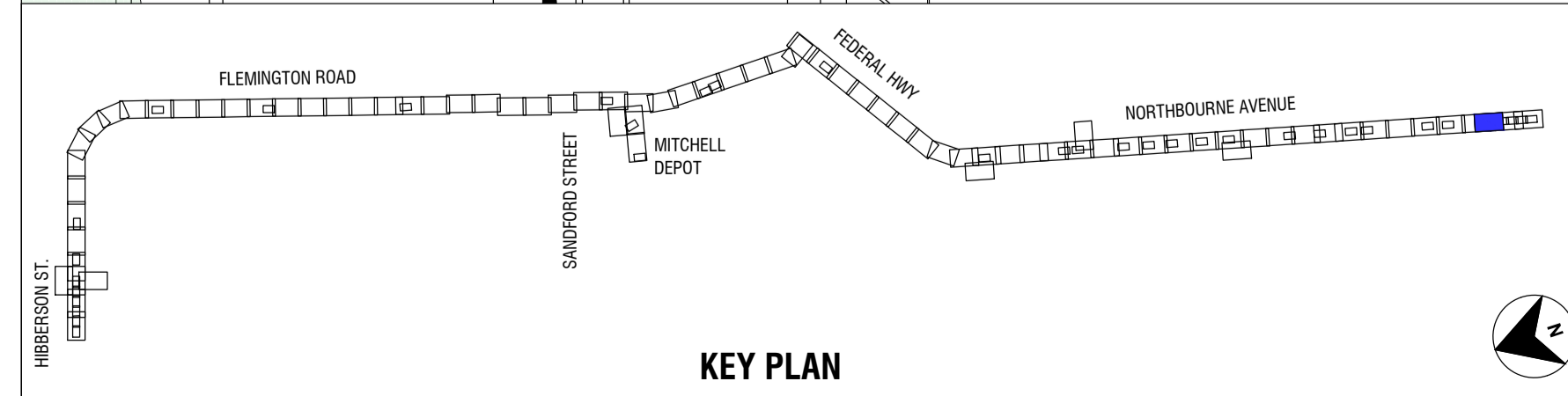
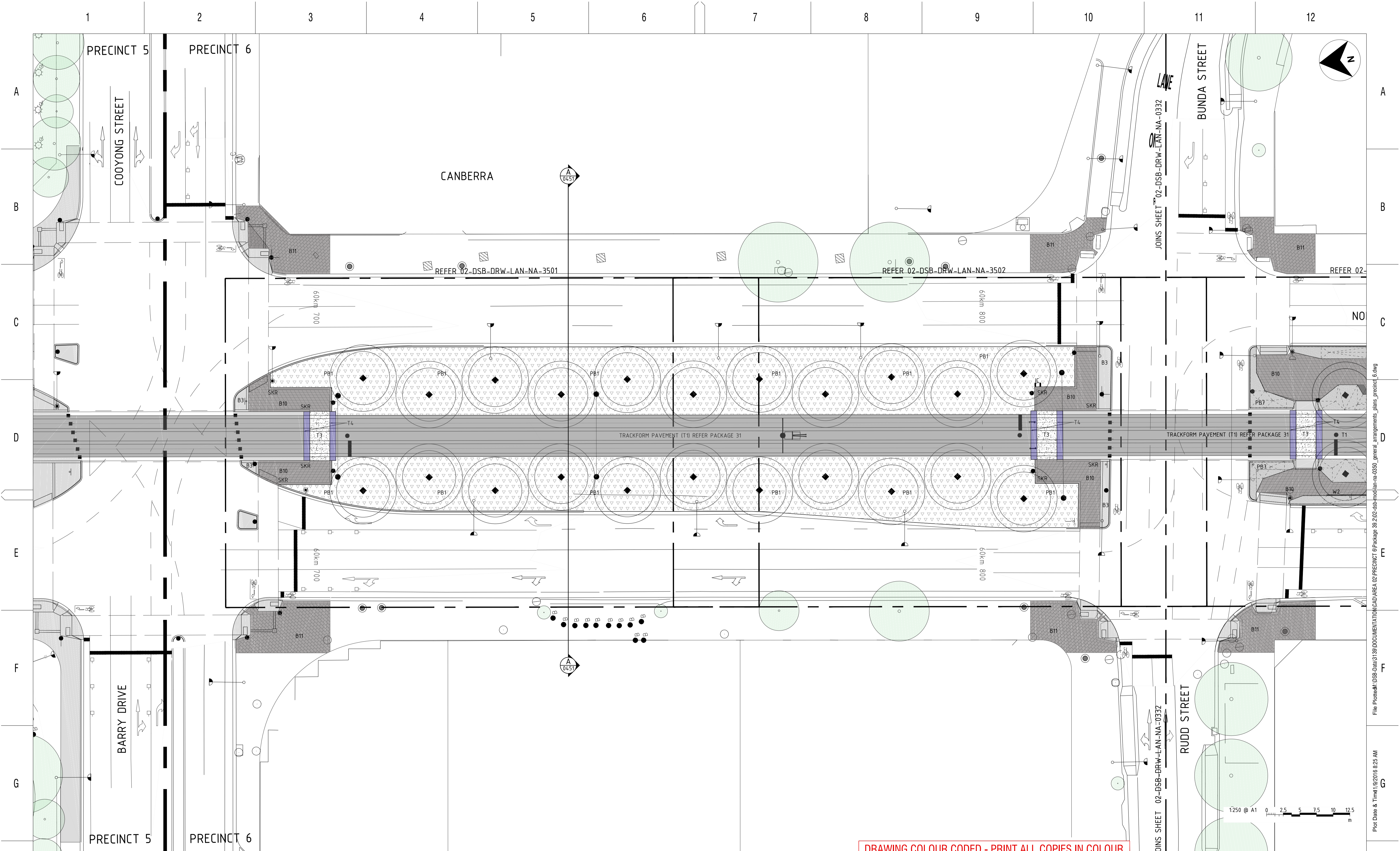


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DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT
 PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE ACCESS PLAN

FILE No. 3139	SHEET: 1 OF 1	A1
STATUS: STAGE 1&2		
DRG No. 02-DSB-DRW-LAN-NA-0165	B	EDMS No.

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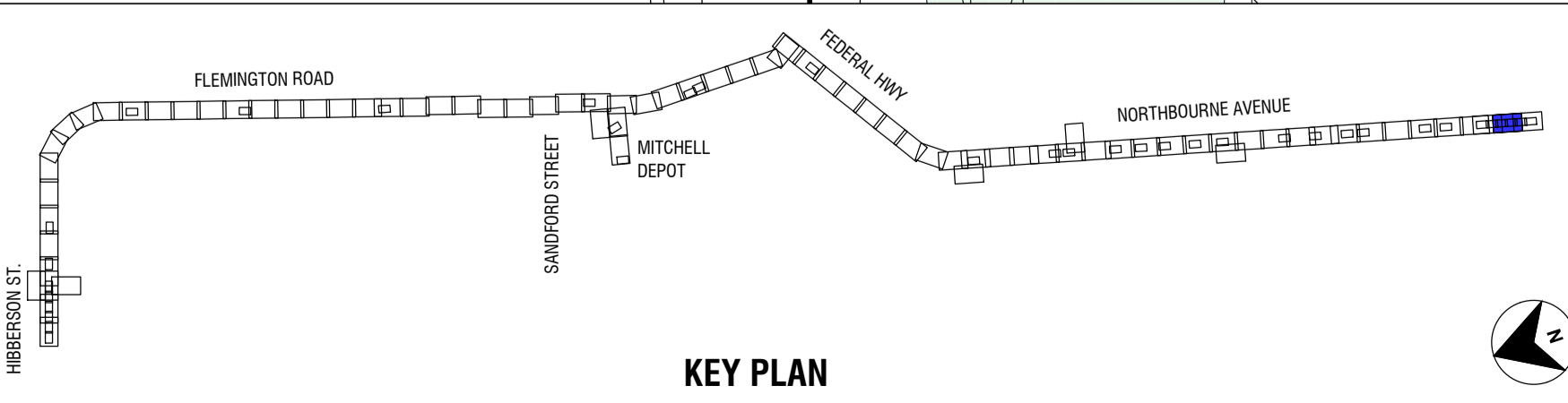
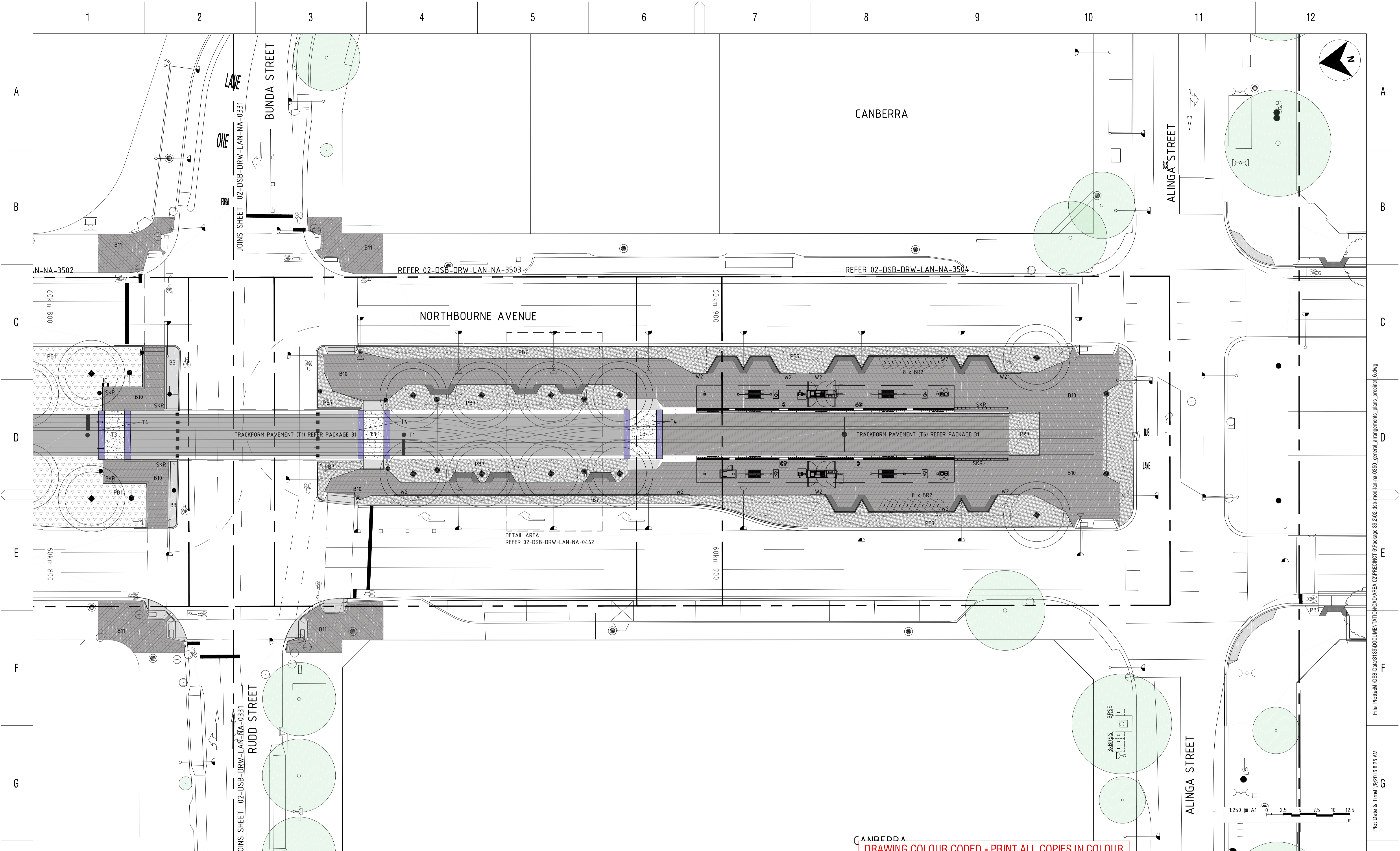
DRAWN	A. HUANG	11/08/17
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DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

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CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE GENERAL ARRANGEMENT PLAN

FILE No. 3139	SHEET: 1 OF 2	A1
STATUS: STAGE 1&2	©	
DRG No. 02-DSB-DRW-LAN-NA-0331	B	EDMS No.

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NO.	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
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DRAWN	A. HUANG	11/08/17
DESIGNED	M. REEVES	11/08/17
DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE GENERAL ARRANGEMENT PLAN

FILE No. 3139	SHEET: 2 OF 2	A1
STATUS: STAGE 1&2		
DRG No. 02-DSB-DRW-LAN-NA-0332	EDMS No.	

File Path: M:\DSB-Data\3139\DOCUMENTATION\CAD\AREA 02\PRECINCT 6\Package 39.02-dsb-modlan-na-0332_general_arrangements_plans_precinct_6.dwg
Plot Date & Time: 19/02/2016 8:25 AM
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EXISTING TREES TO BE RETAINED
REFER TREE MANAGEMENT PLANS

NORTHBOURNE AVENUE
SOUTHBOUND

ROAD SURFACE
REFER PACKAGE 35

NEW NATIVE TREE PLANTING
REFER PLANTING SCHEDULE

OVERHEAD LINE
EQUIPMENT
REFER PACKAGE 38

ALL VEGETATION TO BE MAINTAINED
1.5m CLEAR OF OVERHEAD LINE AND
POLE EQUIPMENT AT ALL TIMES AS
PER ActewAGL STANDARD

STREET LIGHTING
REFER PACKAGE 37

EXISTING TREES TO BE RETAINED
REFER TREE MANAGEMENT PLANS

NEW TREE PLANTING MINIMUM 2.8m
OFFSET FROM DKE TO EDGE OF
MATURE TRUNK, MINIMUM 2m STAGGER,
TYPICAL 4.5m OFFSET FROM KERB

NORTHBOURNE AVENUE
NORTHBOUND

EXISTING BOLLARD

EXISTING SURFACE

ROAD SURFACE
REFER PACKAGE 35

500mm NPZ

1.5m

1.5m

500mm NPZ

VARIES

2.0m Min.

2.8 Min.

DKE

DKE

500mm NPZ

500mm NPZ

500

PLANTING BED TYPE 1
140mm POTS @ 6/m², SOIL TREATMENT
REFER TO DETAIL

TRACKFORM AND ALIGNMENT
REFER PACKAGES 30 AND 31
PAVEMENT TYPE T1

PLANTING BED TYPE 1
140mm POTS @ 6/m², SOIL TREATMENT
REFER TO DETAIL

500

SECTION 60km 738 (SOUTH OF BARRY DRIVE)

SCALE: 1:100 @ A1

A
0331



B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
AMD	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
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SCALE:		AS SHOWN		



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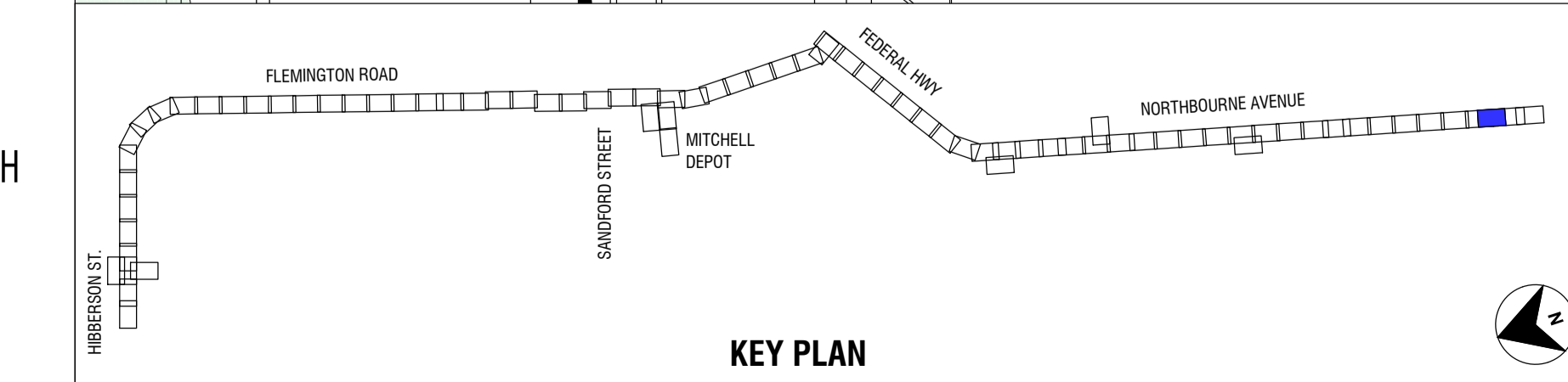
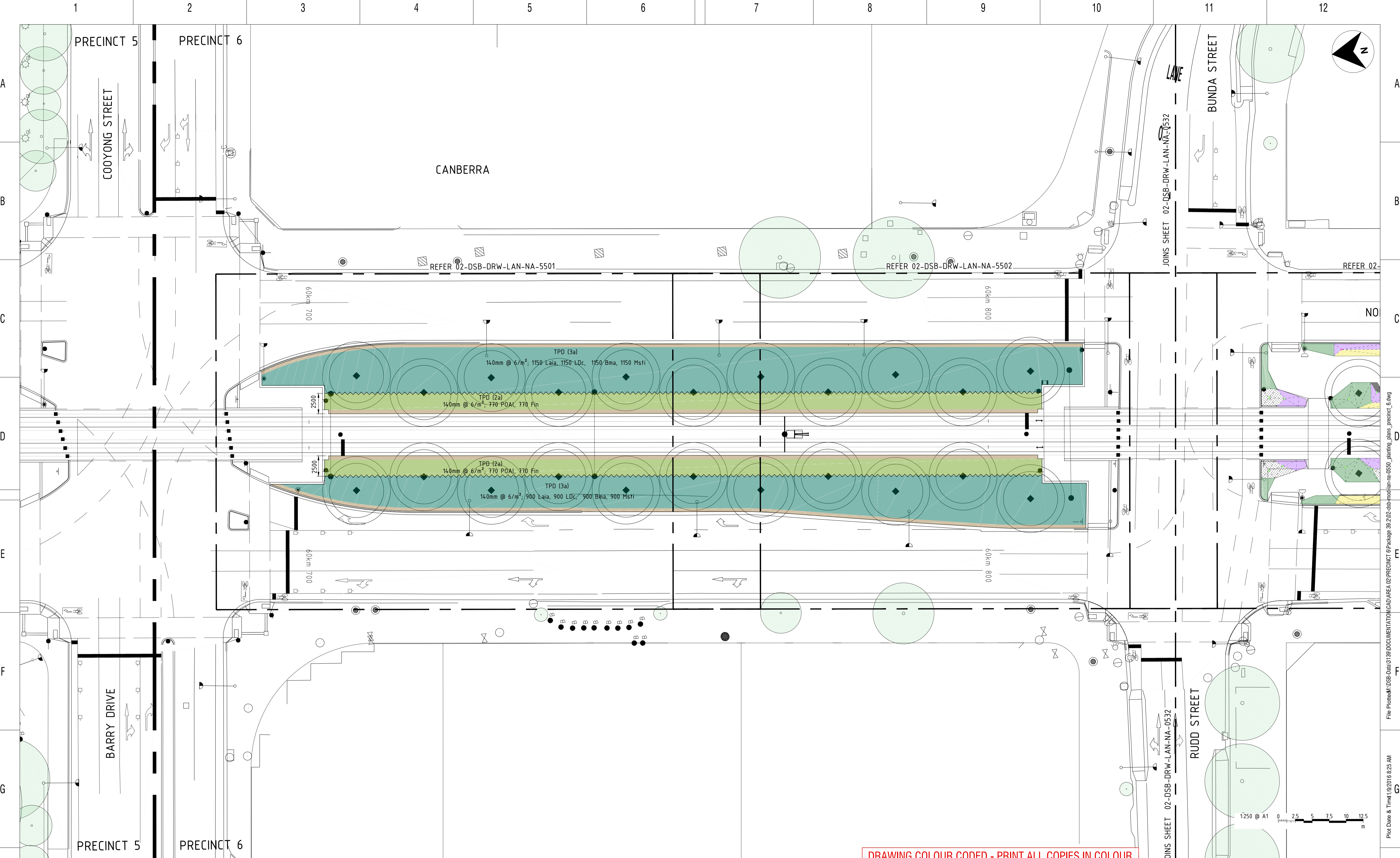
architectus	DRAWN	A. HUANG	11/08/17
	DESIGNED	M. REEVES	11/08/17
	DRG CHECK	M. REEVES	11/08/17
	DESIGN CHECK	D. PEARCE	11/08/17
	APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE
GENERAL ARRANGEMENTS SECTIONS PRECINCT 6
SECTION

FILE No. 3139	SHEET: 1 OF 1	A1
STATUS: STAGE 1&2		
DRG No. 02-DSB-DRW-LAN-NA-0451	B	EDMS No.

File: P:\projects\02-DSB-Data\3139\DOCUMENTATION\CAD\AREA 02\PRECINCT 6\Package 39.02-DSB-modlan-na-0450_general_arrangements_sections_precinct_6.dwg

Plot Date & Time: 19/2016 8:25 AM



NO	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
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A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
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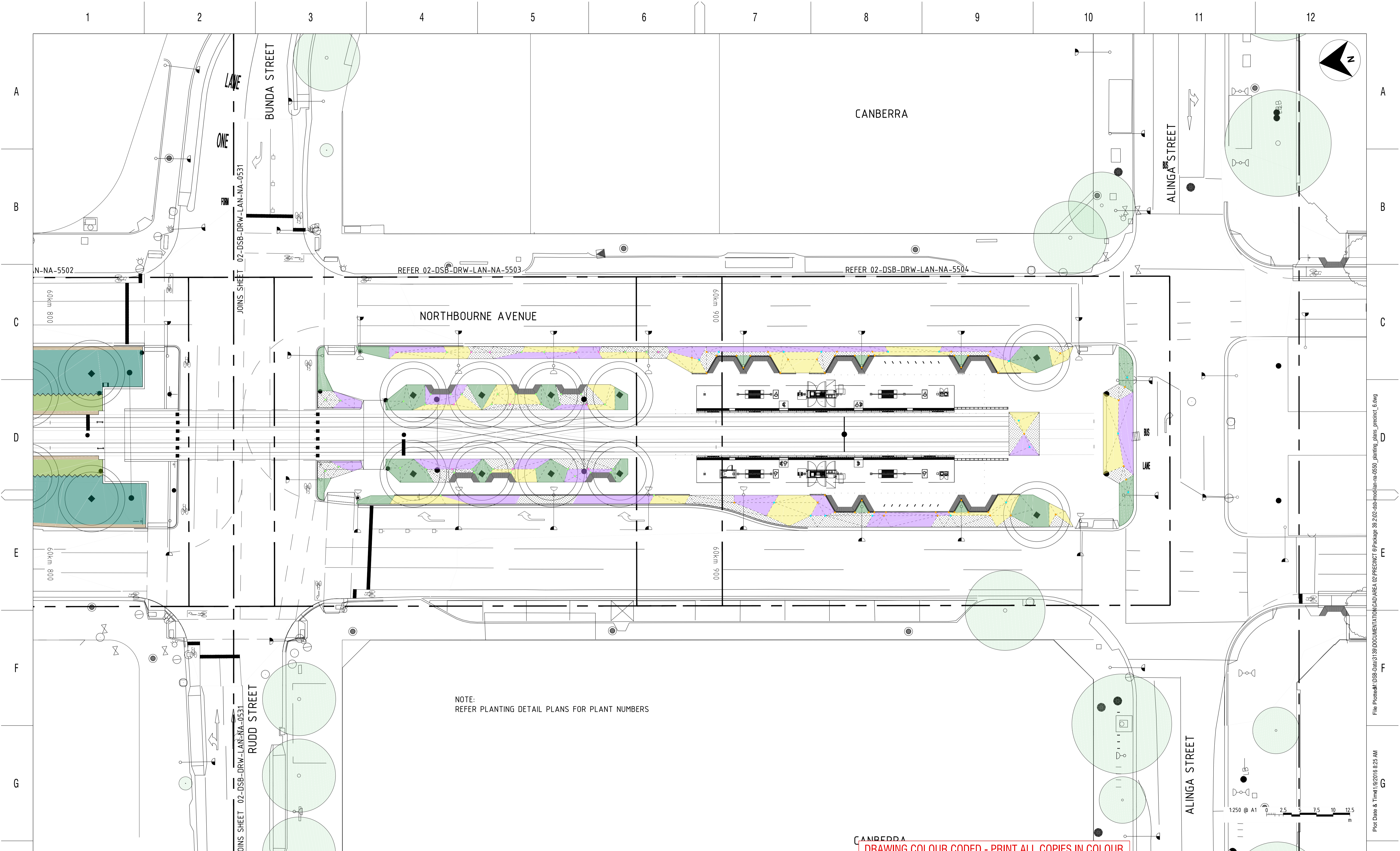
DESIGNED	A. HUANG	11/08/17
DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT
 PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE PLANTING PLAN

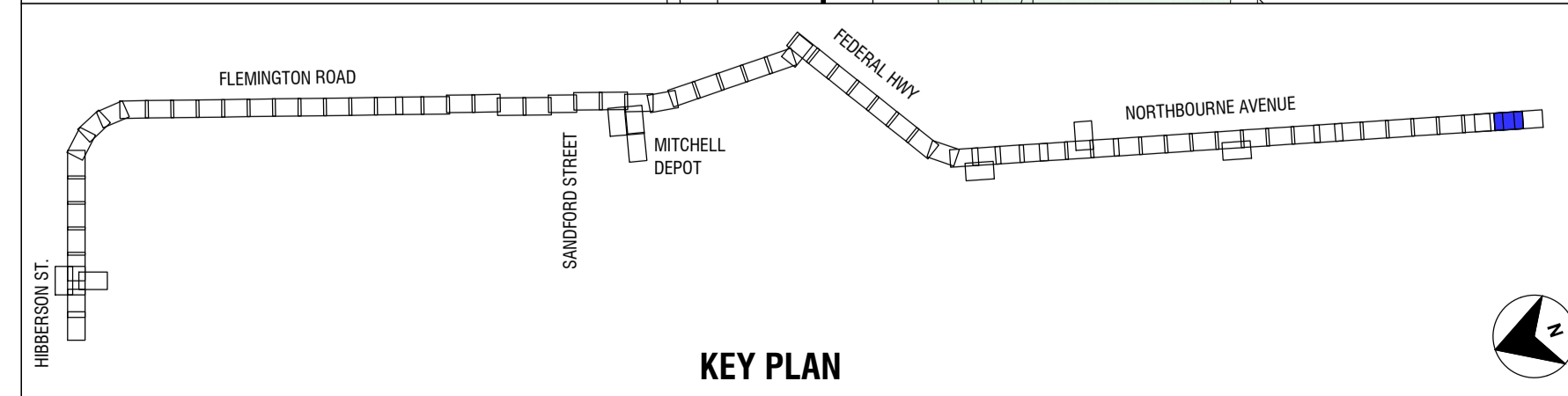
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 STATUS: STAGE 1&2
 DRG No. 02-DSB-DRW-LAN-NA-0531

EDMS No. B

File Path: M:\DSB-Data\3139 DOCUMENTATION\CAD AREA 02 PRECINCT 6 Package 39.02-DSB-modlan-na-650_planting_plans_precinct_6.dwg
 Plot Date & Time: 19/2/2016 8:25 AM
 DF 8011564



NOTE:
REFER PLANTING DETAIL PLANS FOR PLANT NUMBERS



NO.	DESCRIPTION	DESIGNER INITIAL / DATE	VERIFIED INITIAL / DATE	APPROVED INITIAL / DATE
B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
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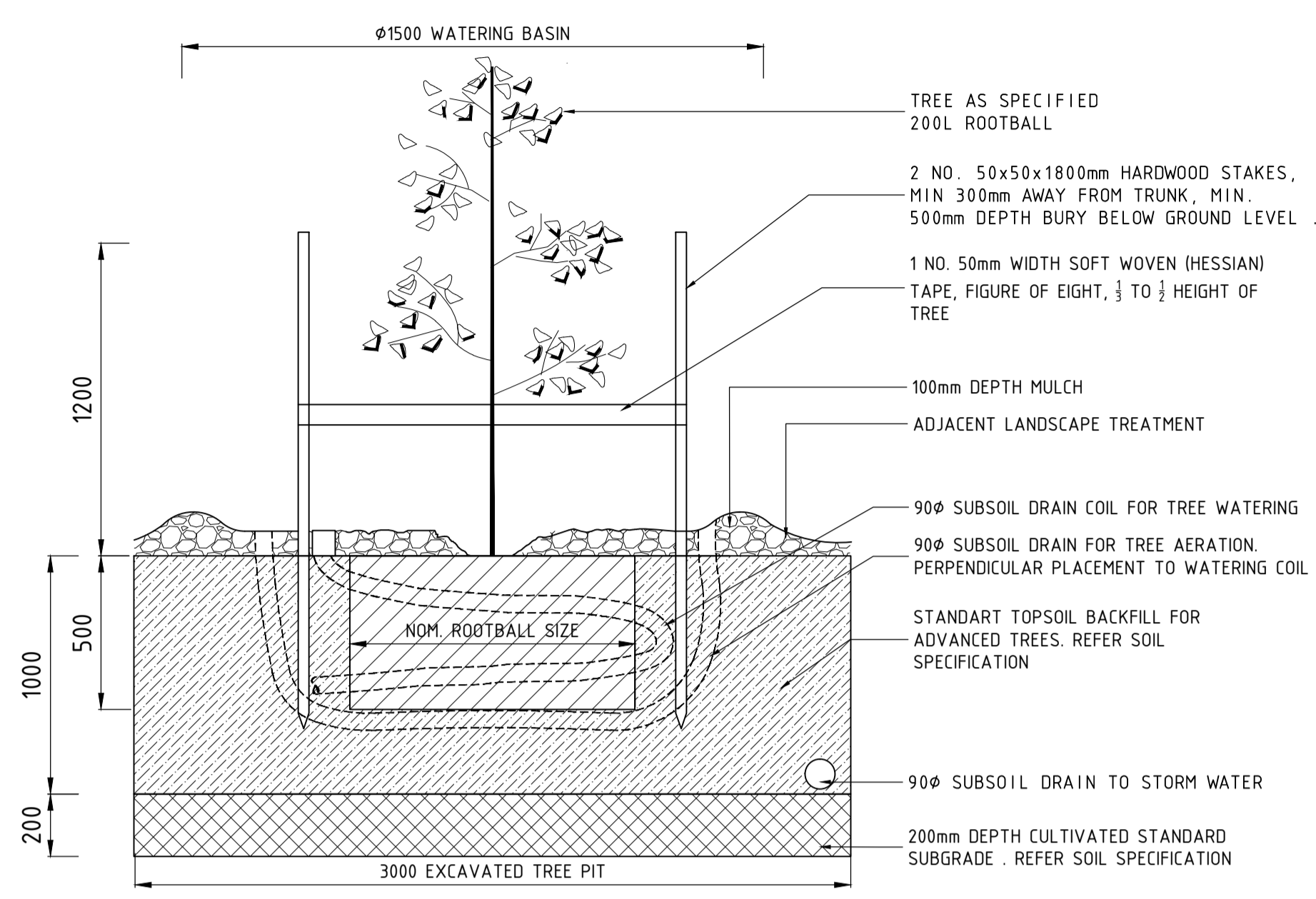
DRAWN	A. HUANG	11/08/17
DESIGNED	M. REEVES	11/08/17
DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

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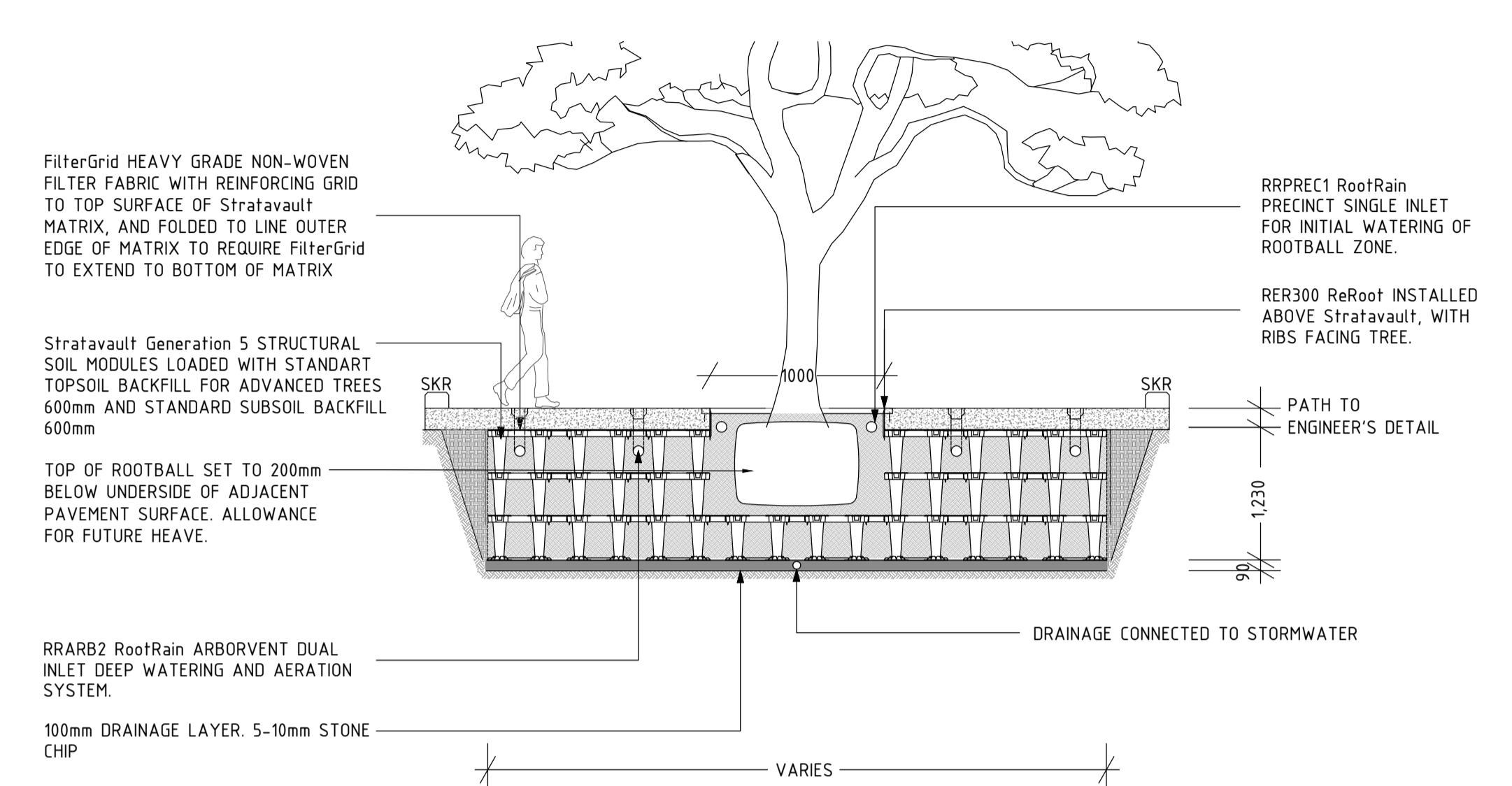
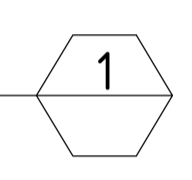
CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE PLANTING PLAN

FILE No. 3139	SHEET: 2 OF 2	A1
STATUS: STAGE 1&2	©	
DRG No. 02-DSB-DRW-LAN-NA-0532	EDMS No.	

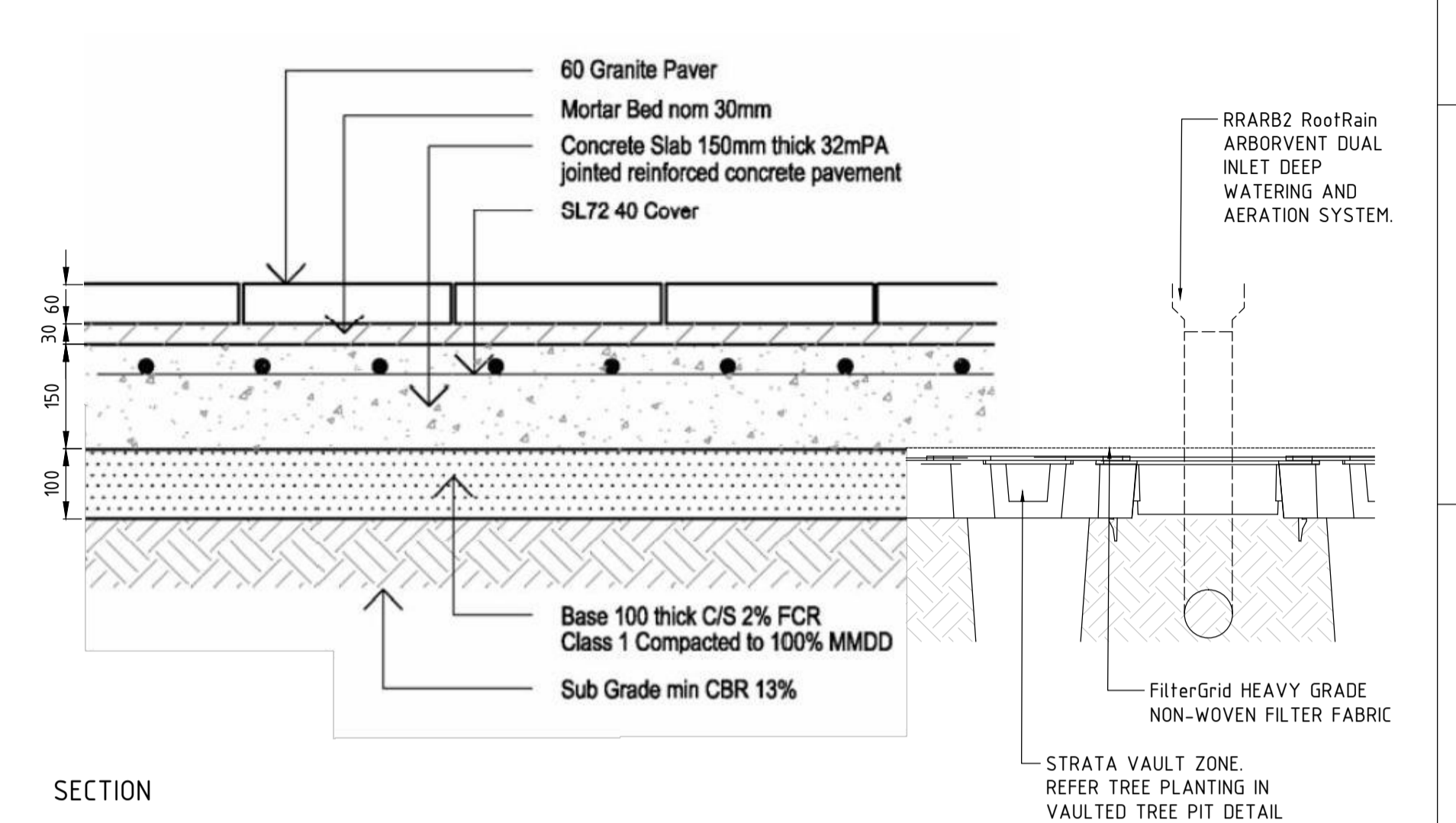
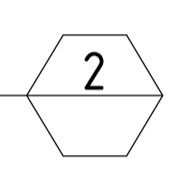
File Path: M:\DSB-Data\3139\DOCUMENTATION\CAD\AREA 02\PRECINCT 6\Package 39.02-dsb-modlan-na-650_planting_plans_precinct_6.dwg
Plot Date & Time: 19/02/2016 8:25 AM
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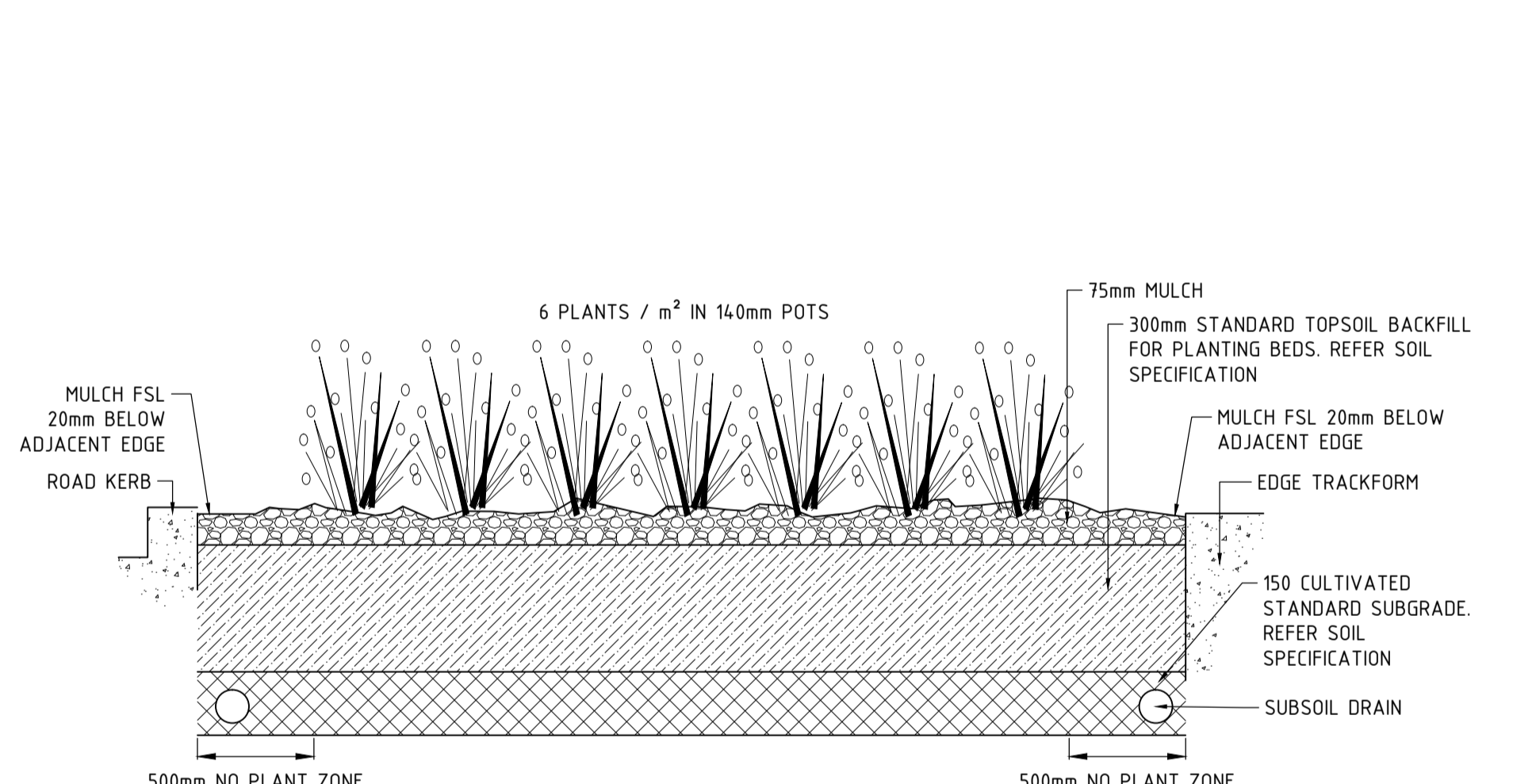
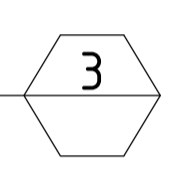
SECTION
200L ROOTBALL TREE PLANTING
SCALE: N.T.S.



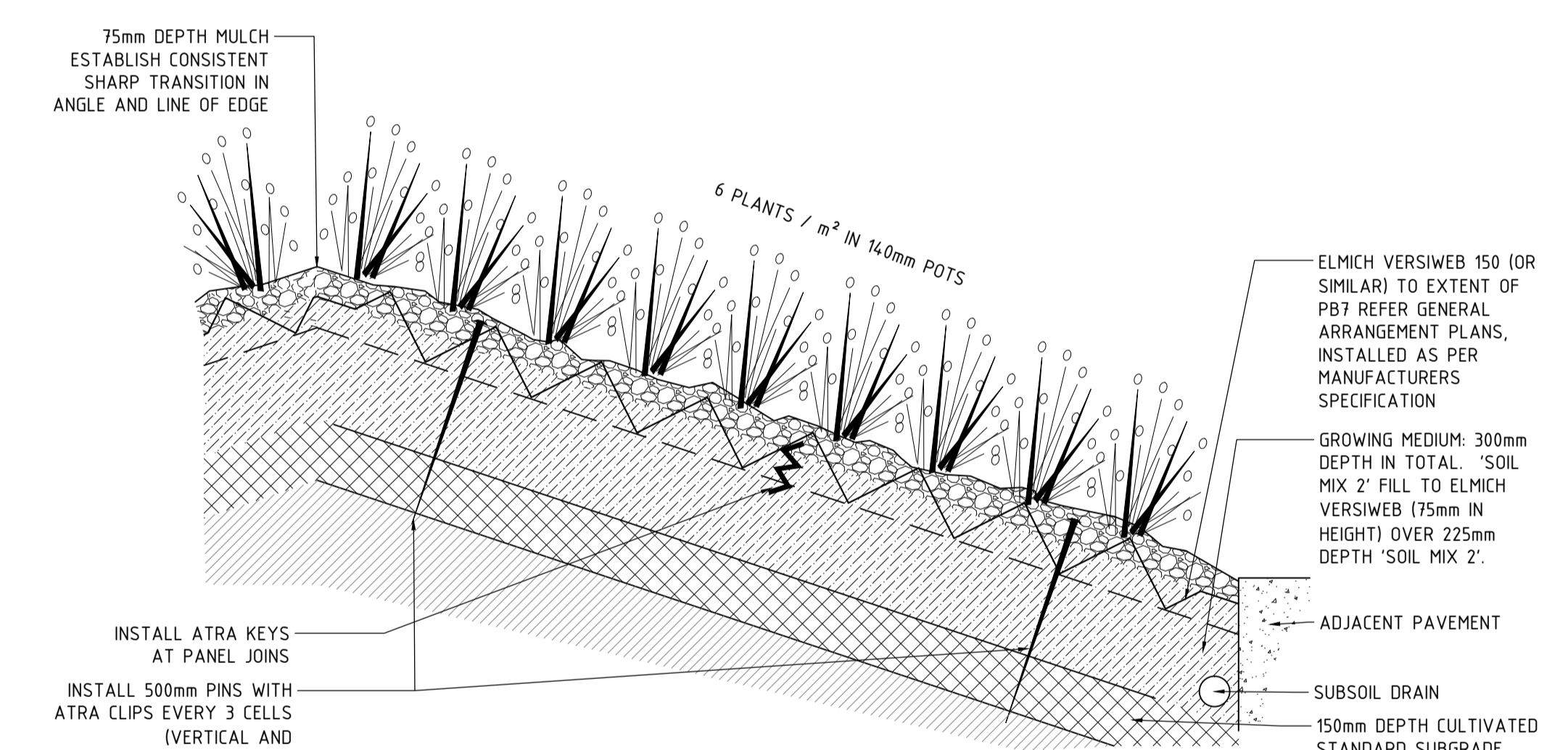
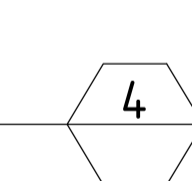
VP - TREE PLANTING IN VAULTED TREE PIT (200L ROOTBALL TREES)
SCALE: N.T.S.



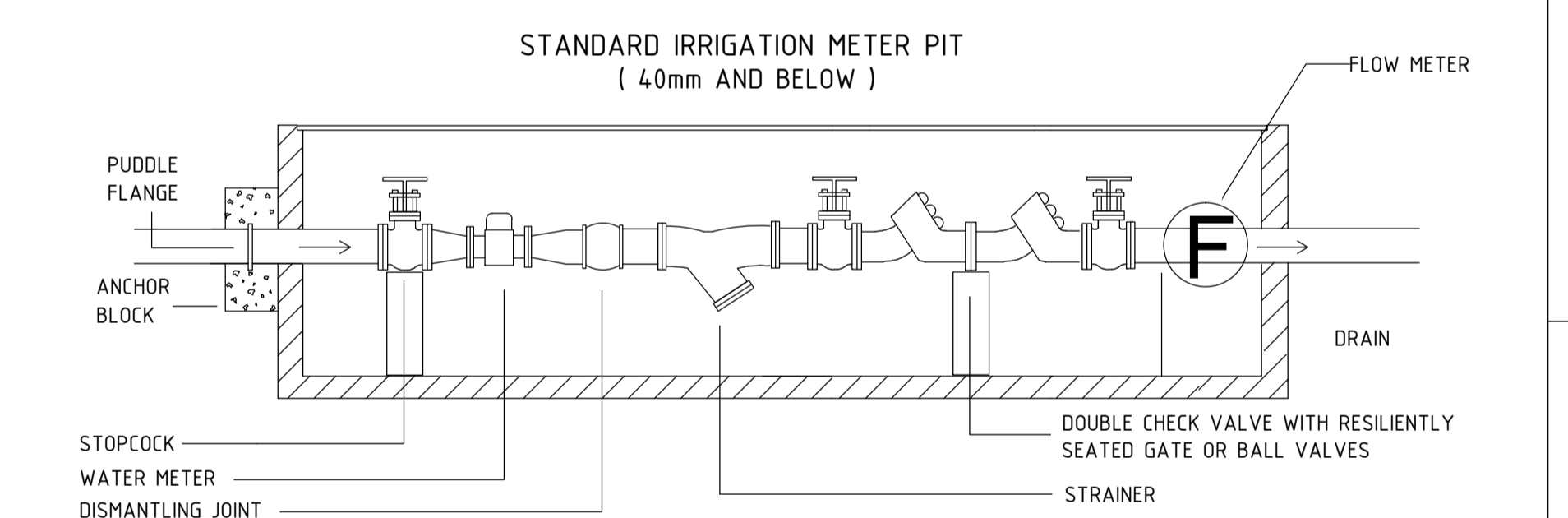
SECTION
B10 - AUSTRAL BLACK GRANITE PAVING OVER VAULTED TREE PIT
SCALE: N.T.S.



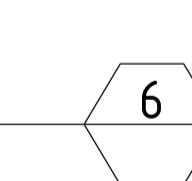
SECTION
PB1 - PLANTING BED TYPE 1
SCALE: N.T.S.



PB7 - PLANTING BED TYPE 7
SCALE: N.T.S.



METER PIT (IRRIGATION)
SCALE: N.T.S.



NO.	DESCRIPTION	DESIGNER INITIAL / DATE	VERIFIED INITIAL / DATE	APPROVED INITIAL / DATE
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AMD				

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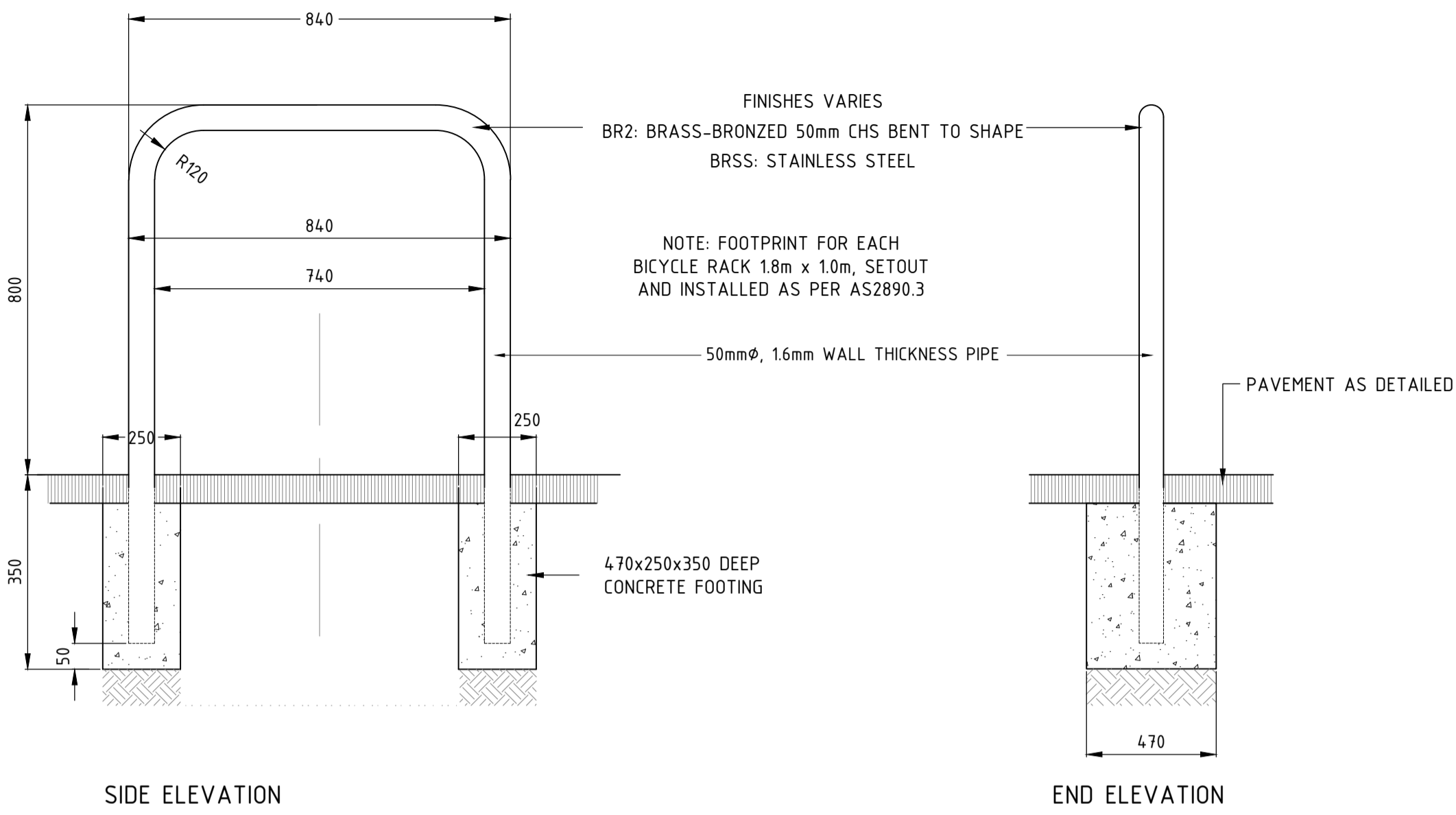
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DESIGNED	M. REEVES	11/08/17
DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE LANDSCAPE DETAILS

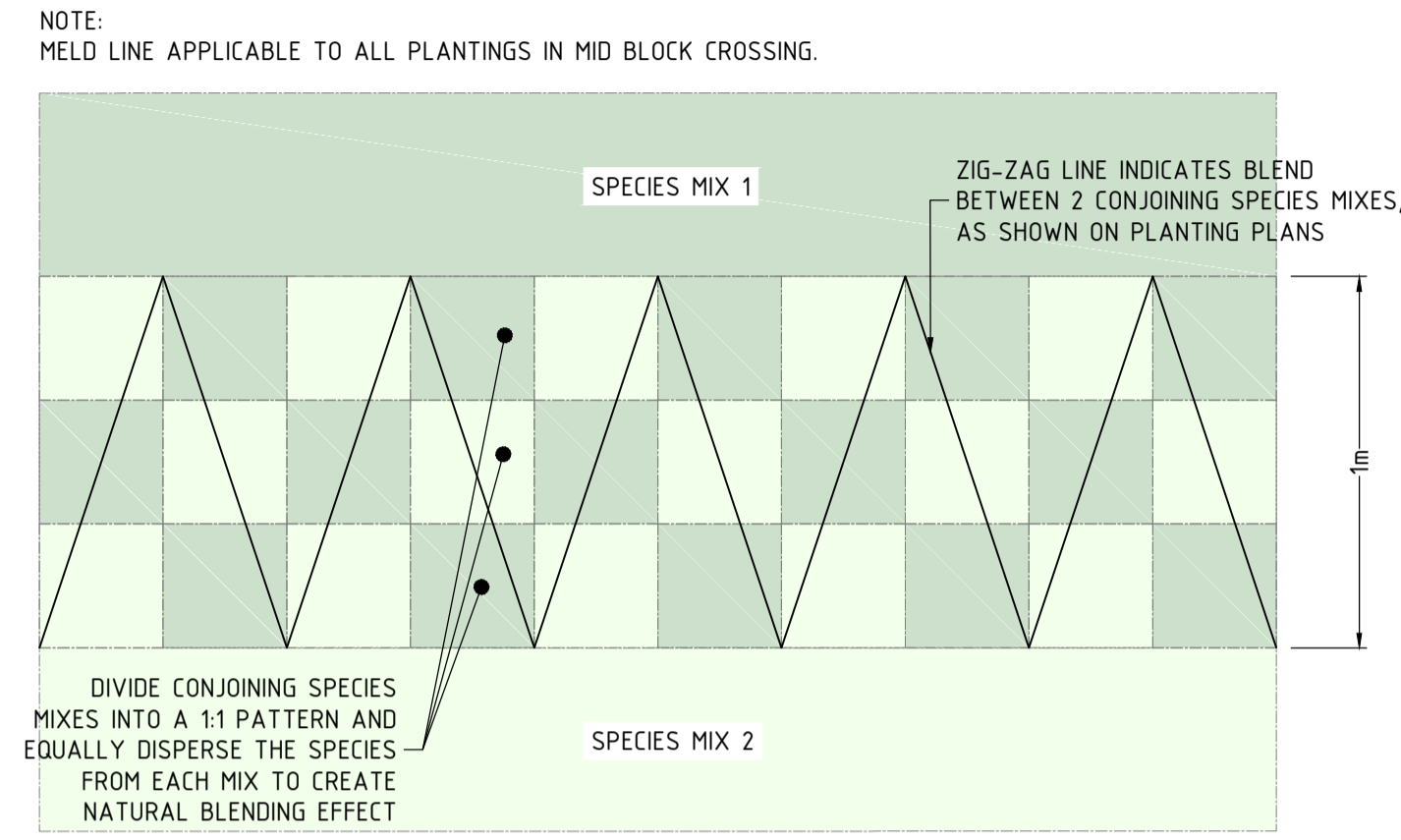
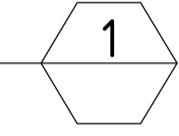
FILE No. 3139 SHEET: 1 OF 6 A1
STATUS: STAGE 1&2
DRG No. 02-DSB-DRW-LAN-NA-0951
EDMS No. B

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Plot Date & Time: 19/08/2016 8:25 AM
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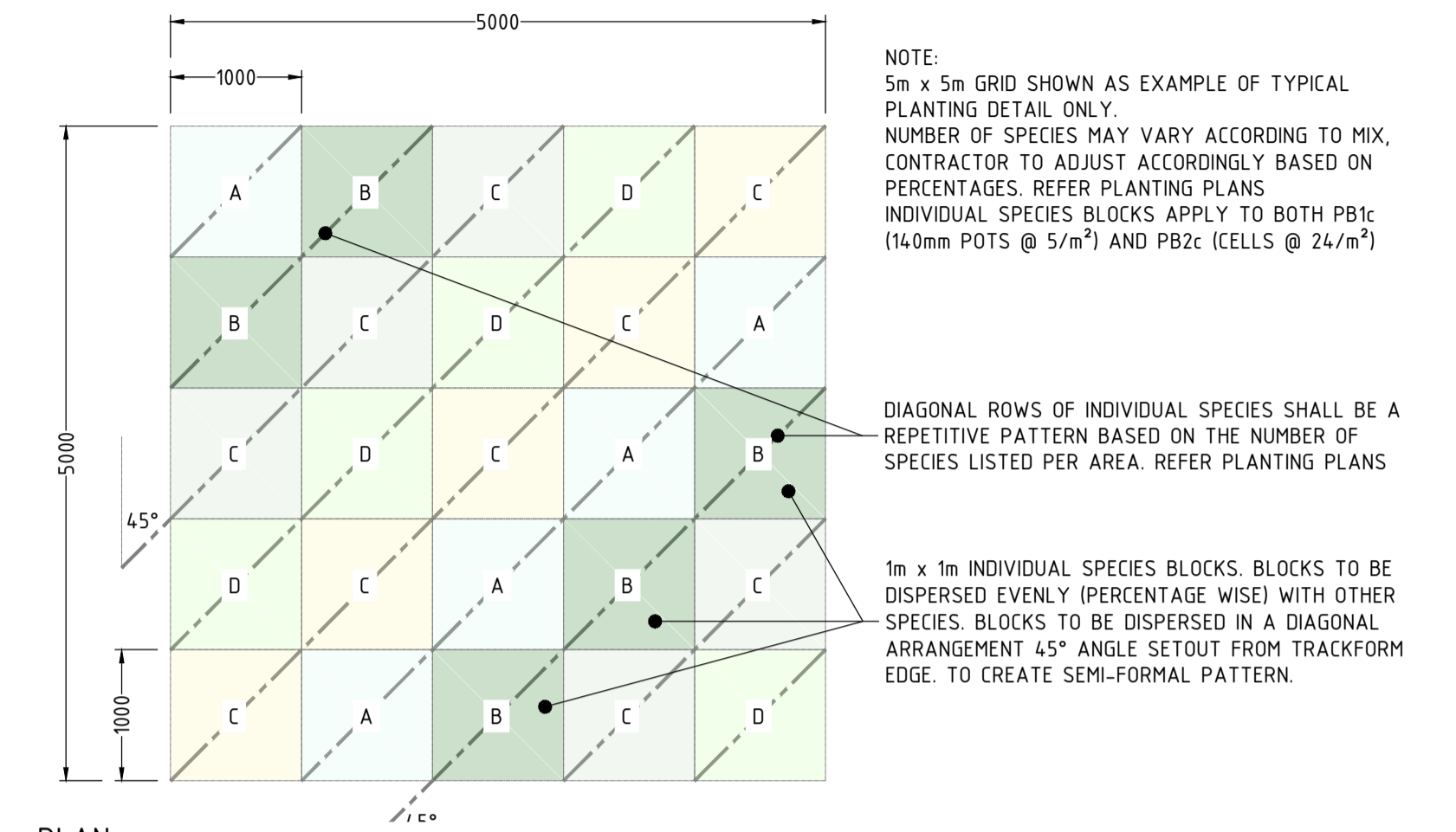
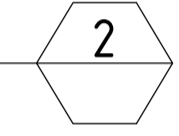
BR2 / BRSS - SECURITY LEVEL C BICYCLE PARKING DEVICE

SCALE: N.T.S.



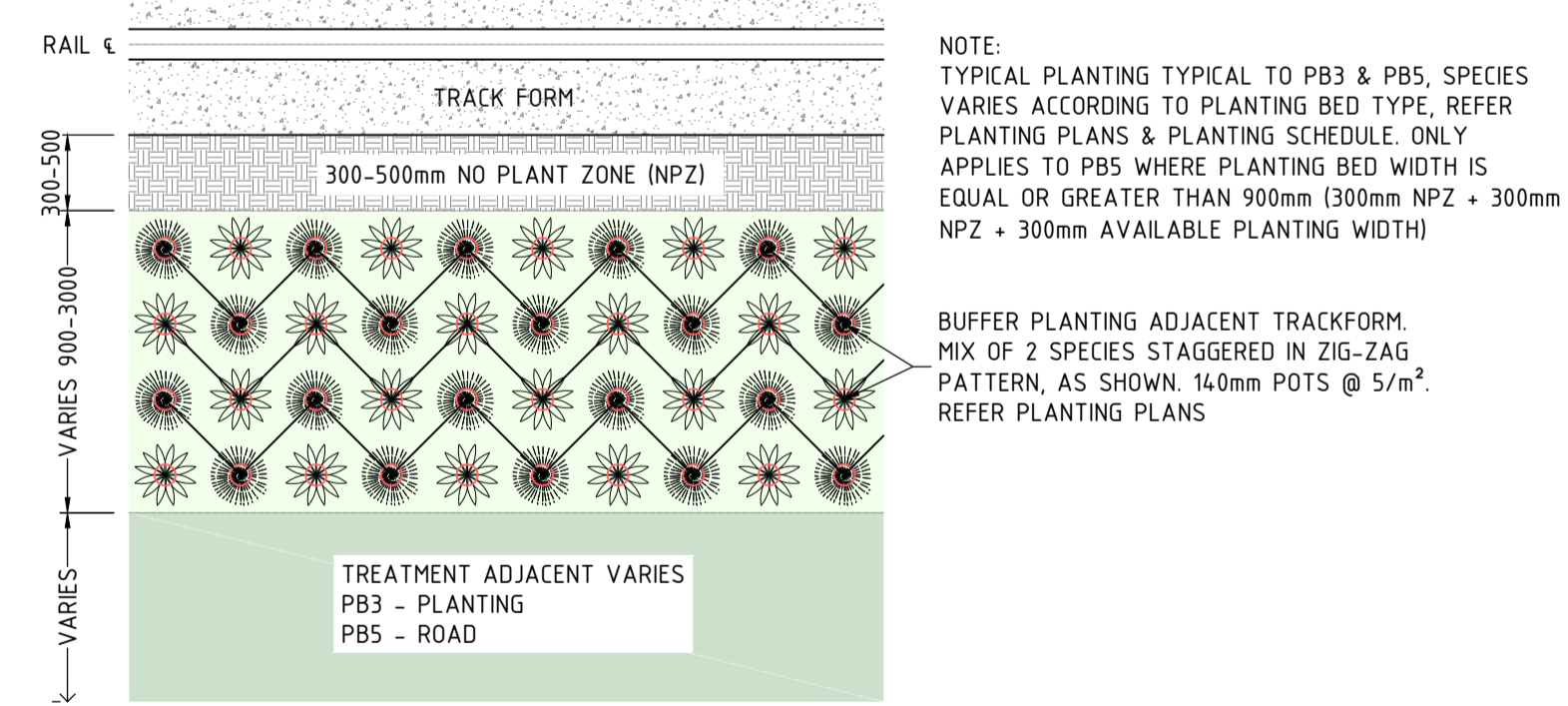
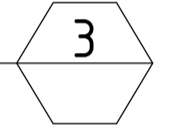
TPD(ML) - TYPICAL PLANTING DETAIL (MELD LINE)

SCALE: 1:20 (A1)



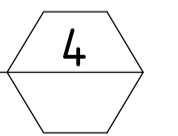
TPD(3a) - TYPICAL PLANTING DETAIL (TYPE 3a)

SCALE: 1:50 (A1)



TPD(2a) - TYPICAL PLANTING DETAIL

SCALE: 1:50 (A1)



NO.	DESCRIPTION	DESIGNER INITIAL / DATE	VERIFIED INITIAL / DATE	APPROVED INITIAL / DATE
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DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT		
PACKAGE 39.02 PRECINCT 6: CIVIC		
LANDSCAPE LANDSCAPE DETAILS		
FILE No. 3139	SHEET: 2 OF 6	A1
STATUS: STAGE 1&2		
DRG No. 02-DSB-DRW-LAN-NA-0952	EDMS No.	

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Plot Date & Time: 19/2016 8:25 AM

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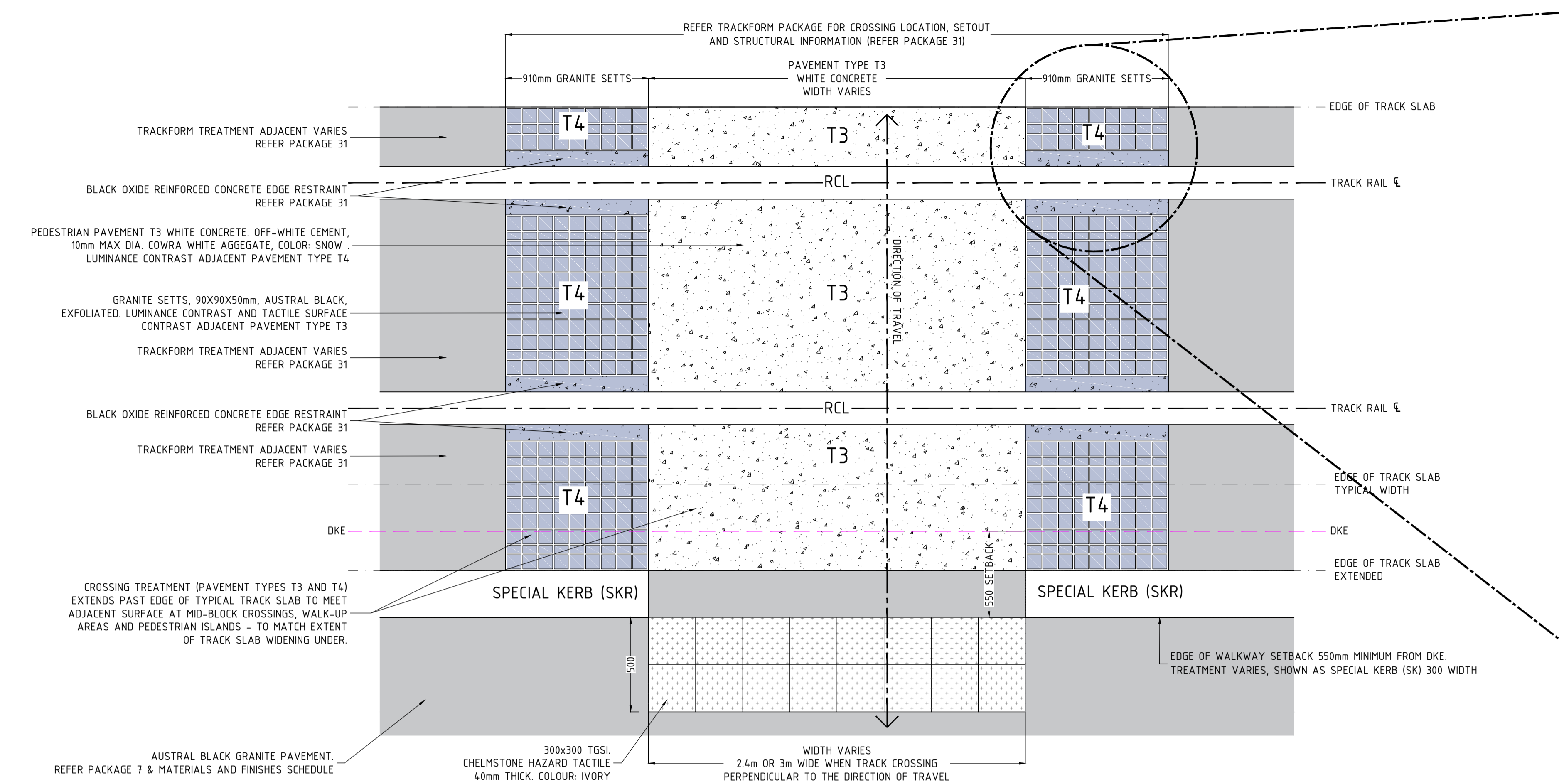
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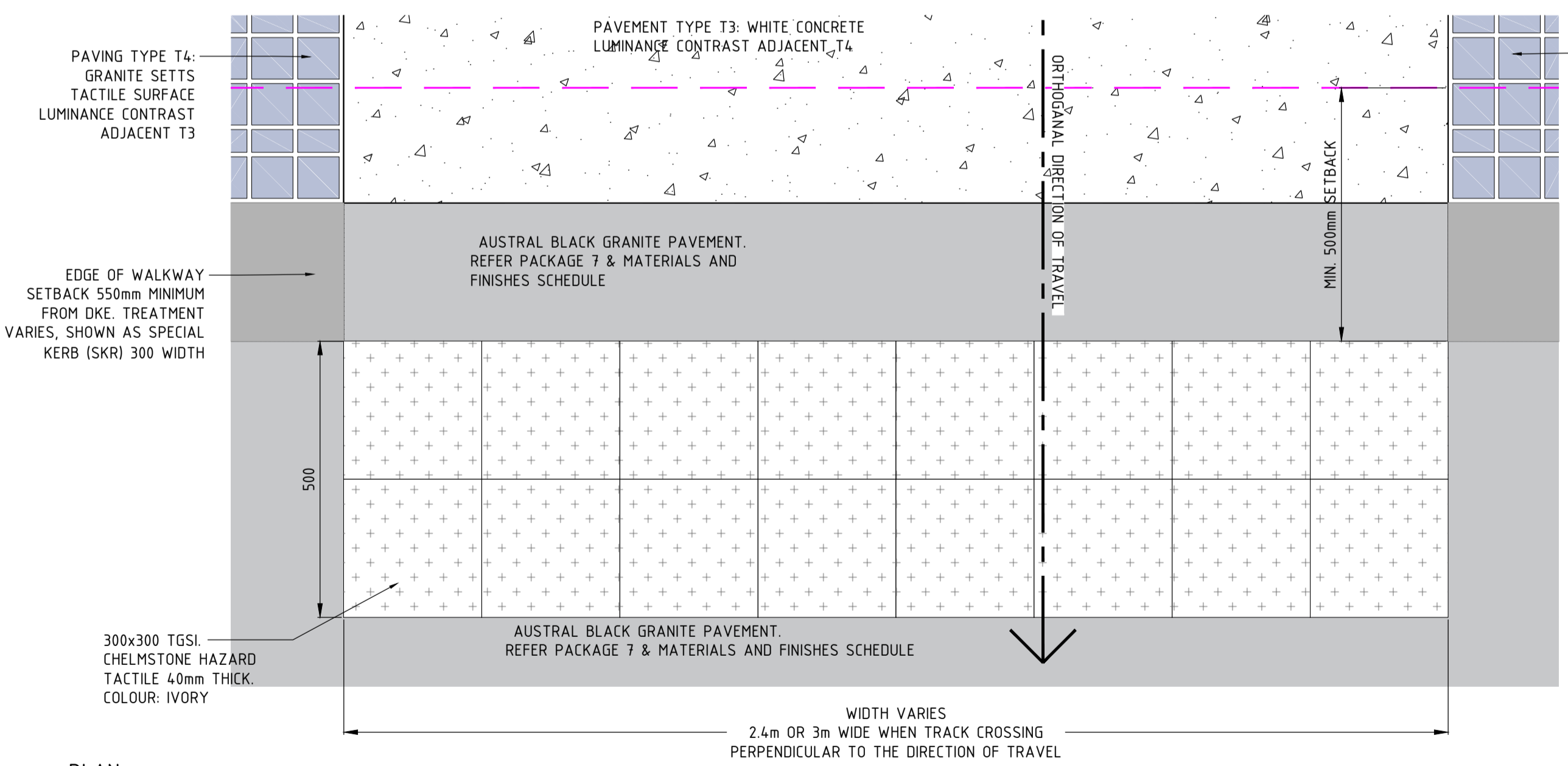
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PLAN
T3 & T4 - TRACKFORM CROSSING (TYPICAL)

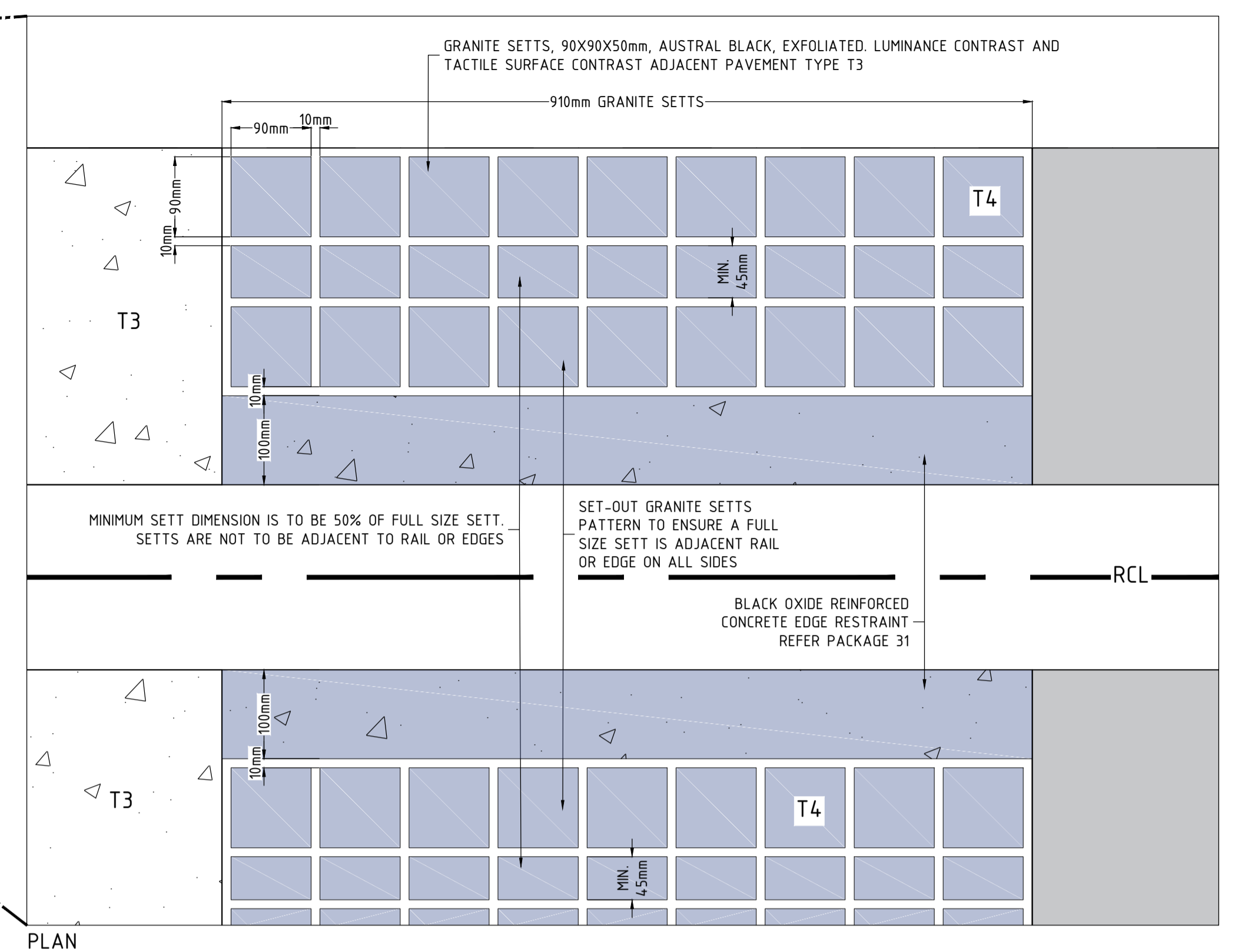
SCALE: 1:20 (A1)



PLAN
DETAIL TGS1 SETOUT - TRACK CROSSING PERPENDICULAR

SCALE: 1:10 @ A1

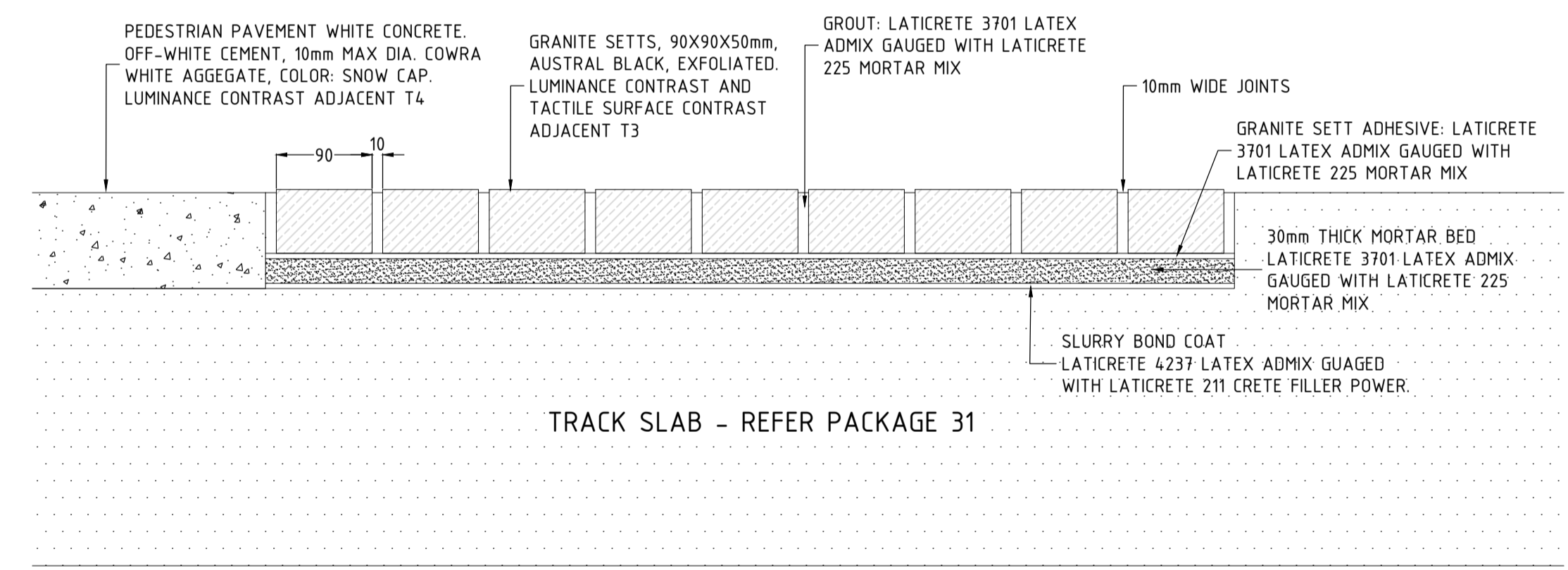
4



T4 - GRANITE SETTS DETAIL

SCALE: 1:5 (A1)

2



NOTES:
1. SURFACE SHALL BE MADE PLUMB & TRUE WITHIN 3mm AND SHALL HAVE A WOODEN FLOAT FINISH.
2. MORTAR BED SHALL BE LAID WHILE THE SLURRY BOND COAT IS STILL WET & TACKY.
3. ALL STRUCTURAL REQUIREMENTS OF ADHESIVES, MORTARS, AND CONCRETES TO BE CONFIRMED BY RAIL ENGINEER - REFER PACKAGE 12.

SECTION
T4 - GRANITE SETTS DETAIL SECTION

SCALE: 1:5 (A1)

3

NO.	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
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DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

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CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE
LANDSCAPE DETAILS

FILE No. 3139	SHEET: 3 OF 6	A1
STATUS: STAGE 1&2		
DRG No. 02-DSB-DRW-LAN-NA-0953	EDMS No.	

File Plotter: DSB-Data\3139\DOCUMENTATION\CAD\AREA 02\PRECINCT 6\Package 39.02-DSB-Median-na-0950-landscape_details_precinct_6.dwg Plot Date & Time: 19/02/2016 8:25 AM DF 801154

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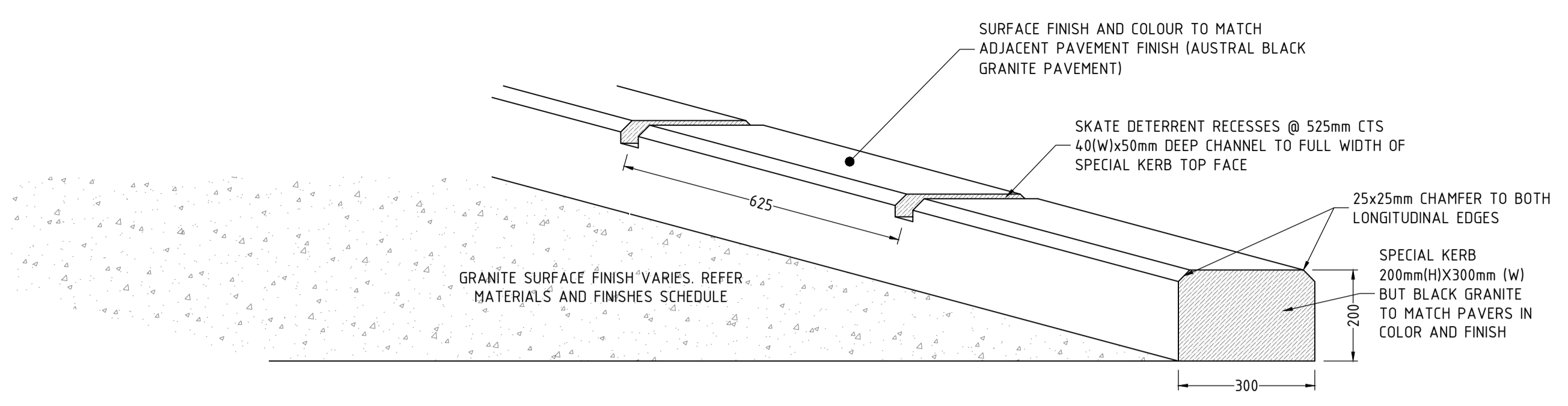
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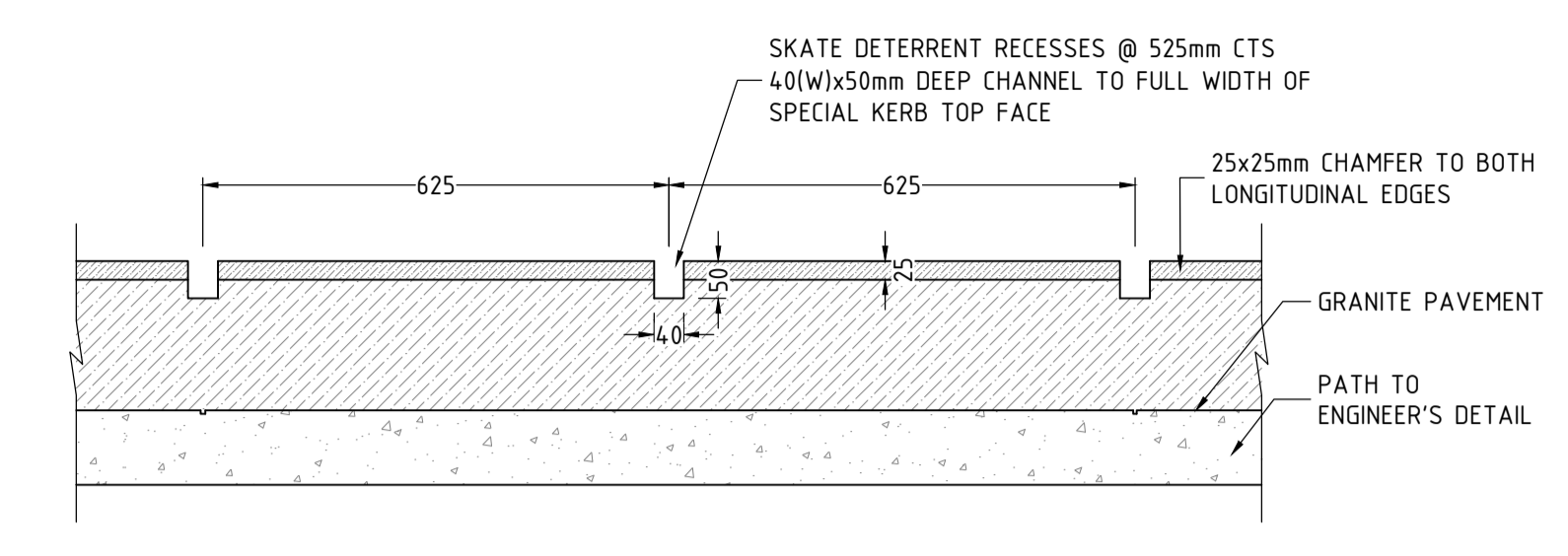
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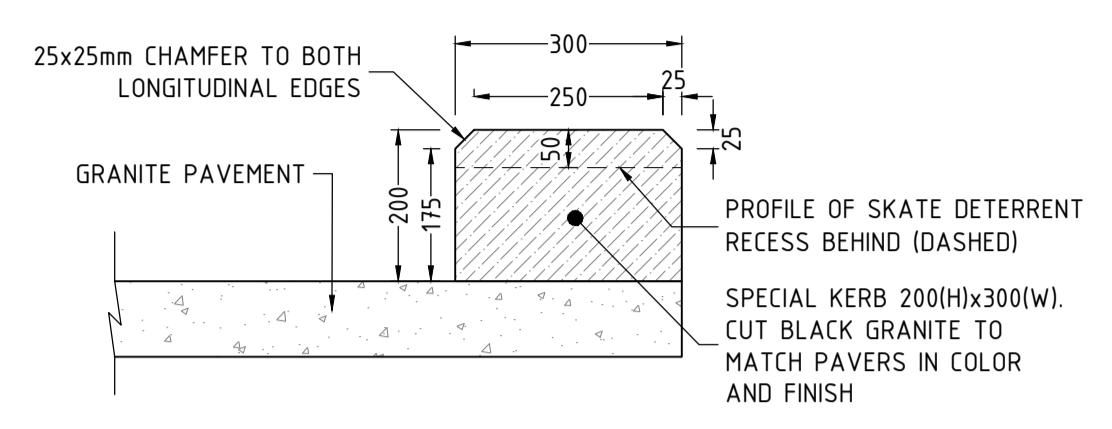
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PERSPECTIVE (15)



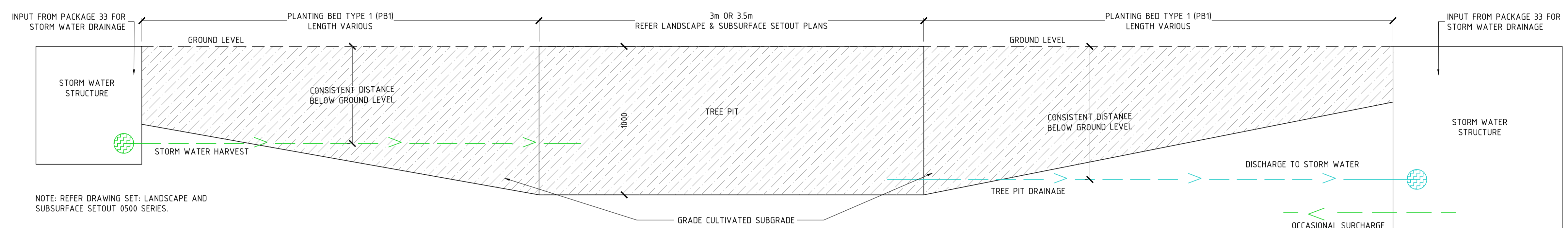
SIDE ELEVATION



FRONT ELEVATION

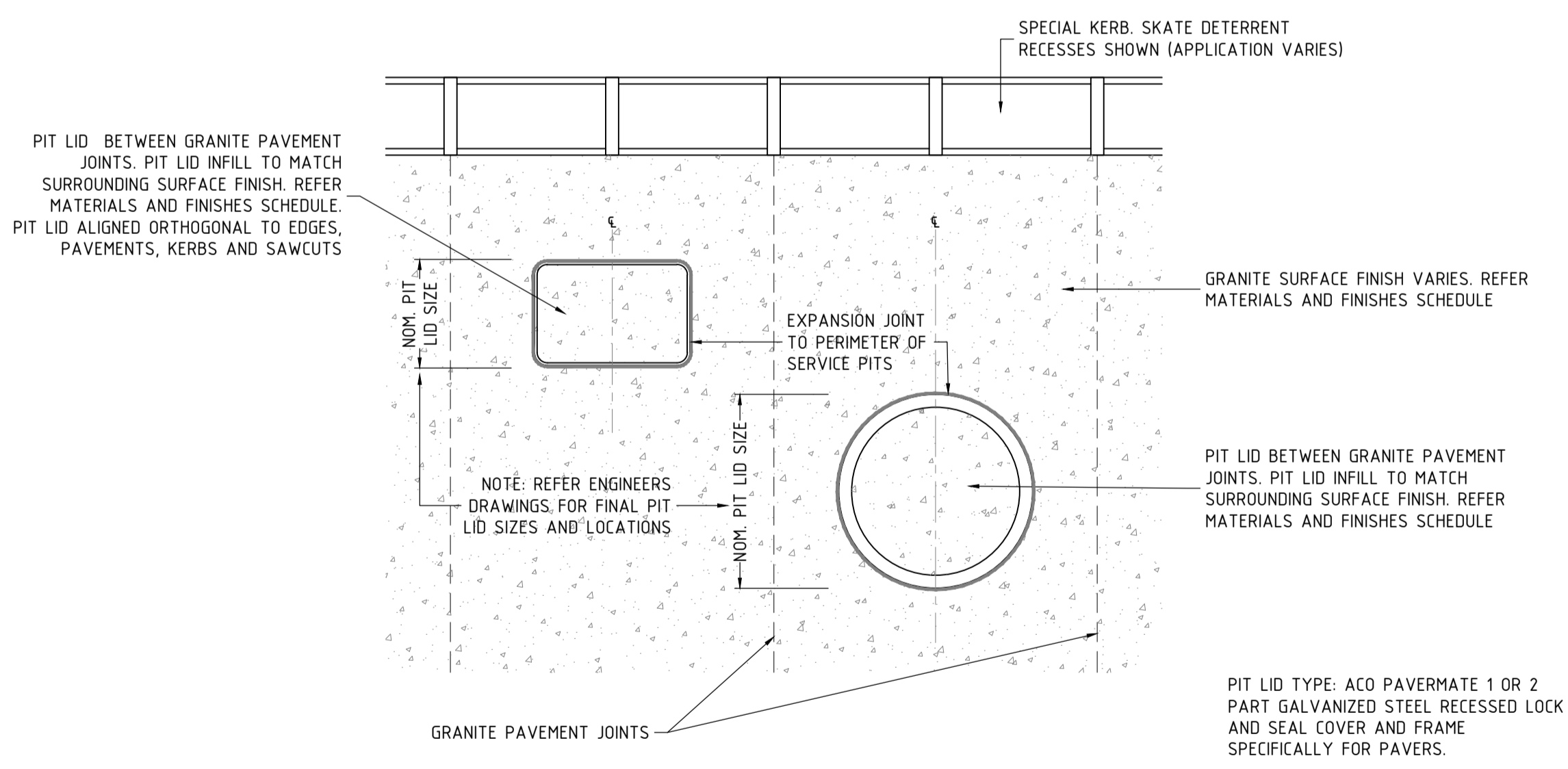
SKR - SPECIAL KERB (WITH SKATE DETERRENT)

SCALE: 1:10 (A1)



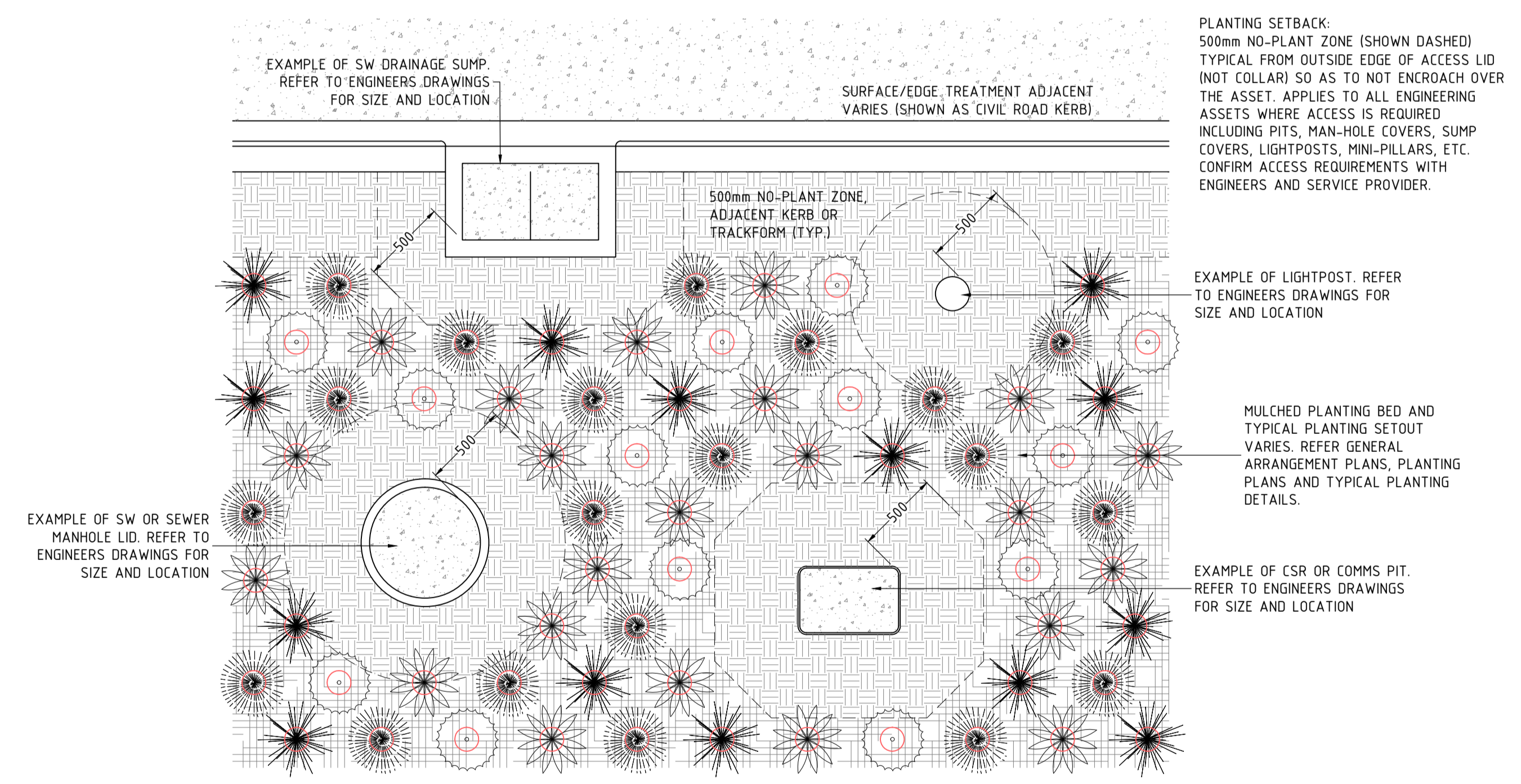
TYPICAL SUBSOIL DRAINAGE SECTION THROUGH PLANTING BEDS AND TREE PITS

SCALE: N.T.S.



PLAN PIT LID FINISHES IN PEDESTRIAN PAVEMENTS (TYPICAL)

SCALE: 1:20 (A1)



PLAN PLANTING SETBACK ADJACENT ENGINEERING ASSETS (TYPICAL FOR PB1)

SCALE: 1:25 (A1)

NO.	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
AMD				

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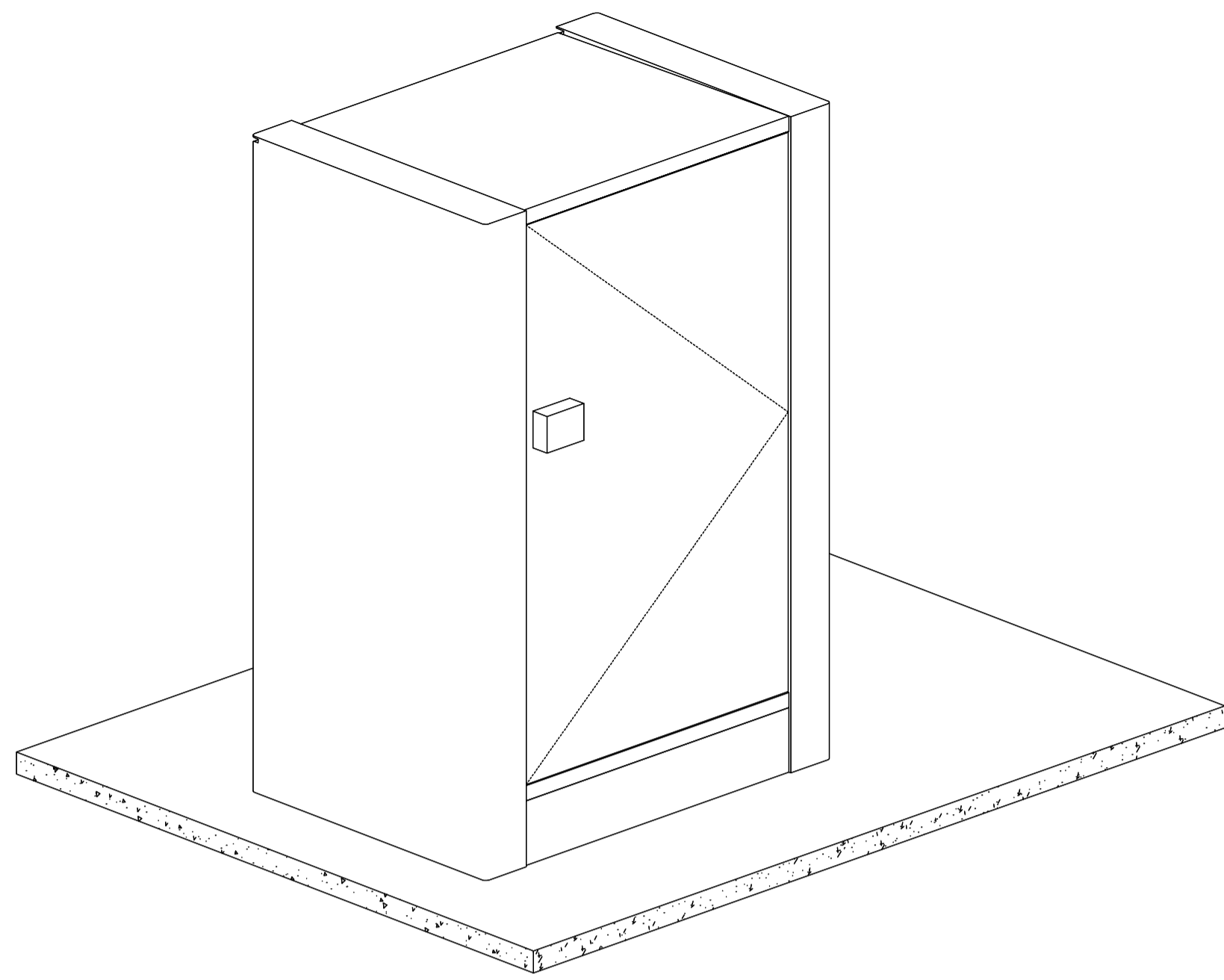
DRAWN	A. HUANG	11/08/17
DESIGNED	M. REEVES	11/08/17
DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT
 PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE LANDSCAPE DETAILS

FILE No. 3139 SHEET: 4 OF 6 A1
 STATUS: STAGE 1&2
 DRG No. 02-DSB-DRW-LAN-NA-0954

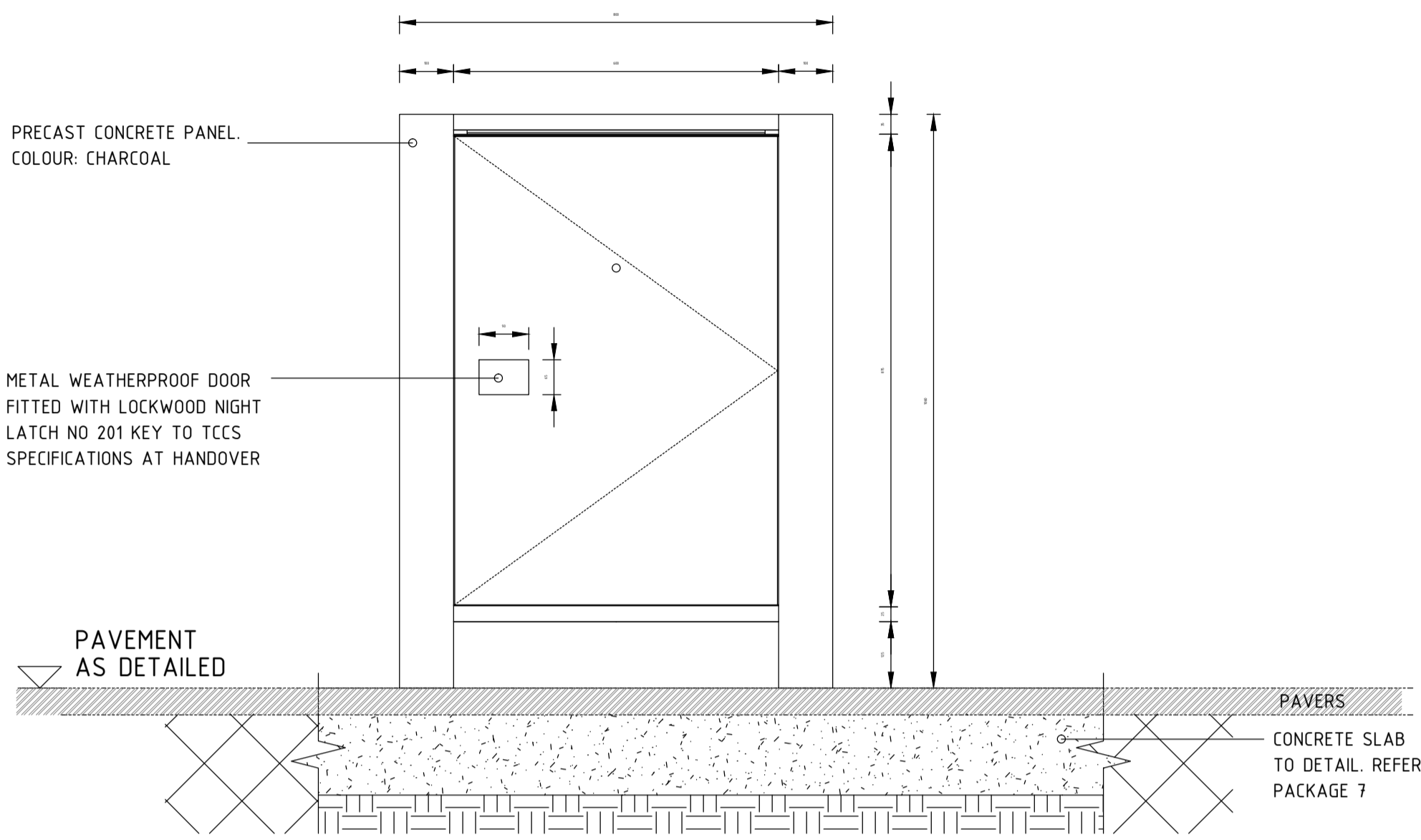
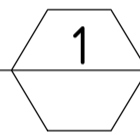
EDMS No. B

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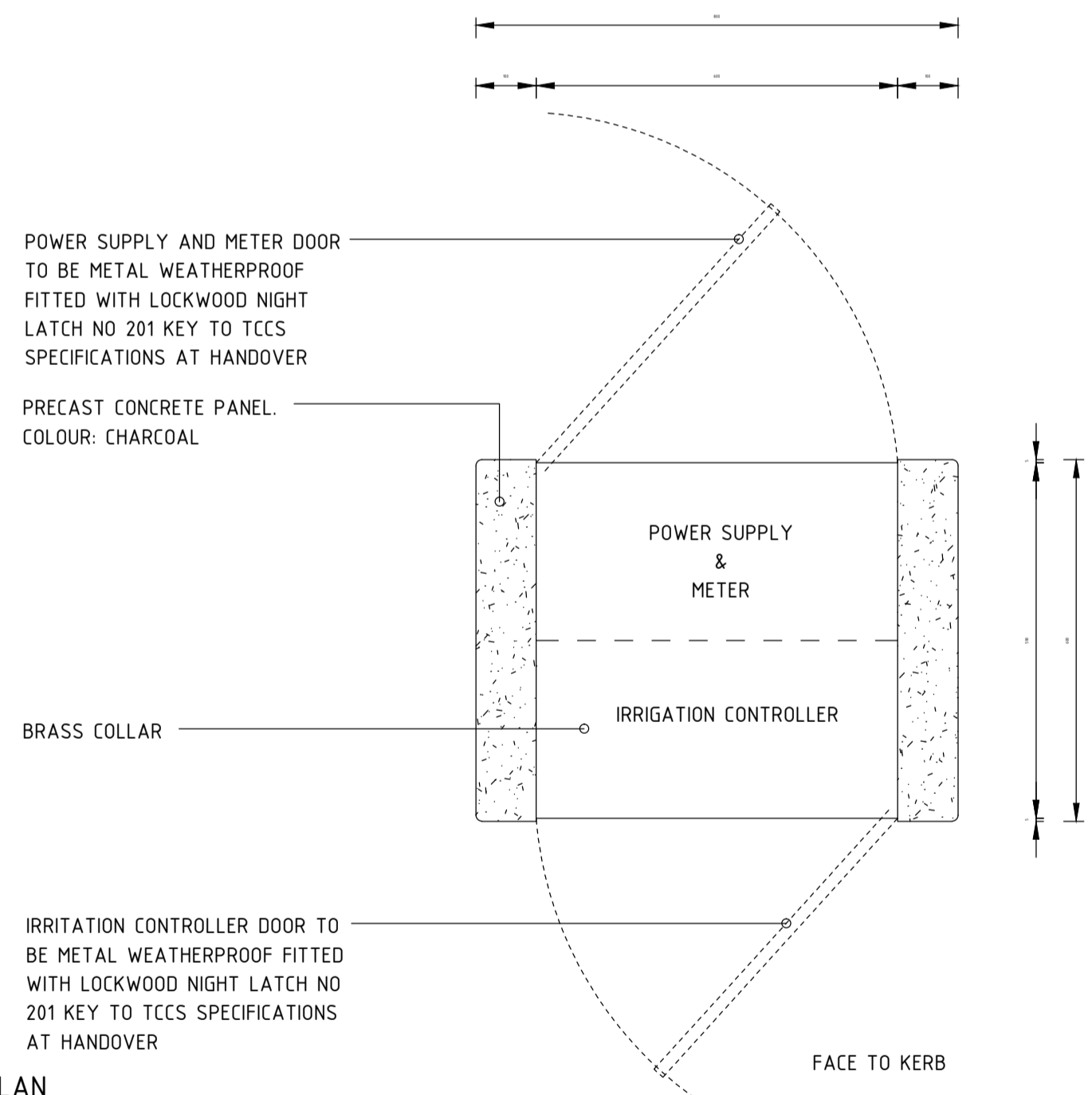
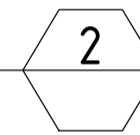
3D
IC - IRRIGATION CONTROLLER ENCLOSURE 3D VIEW

SCALE: 1:10 (A1)



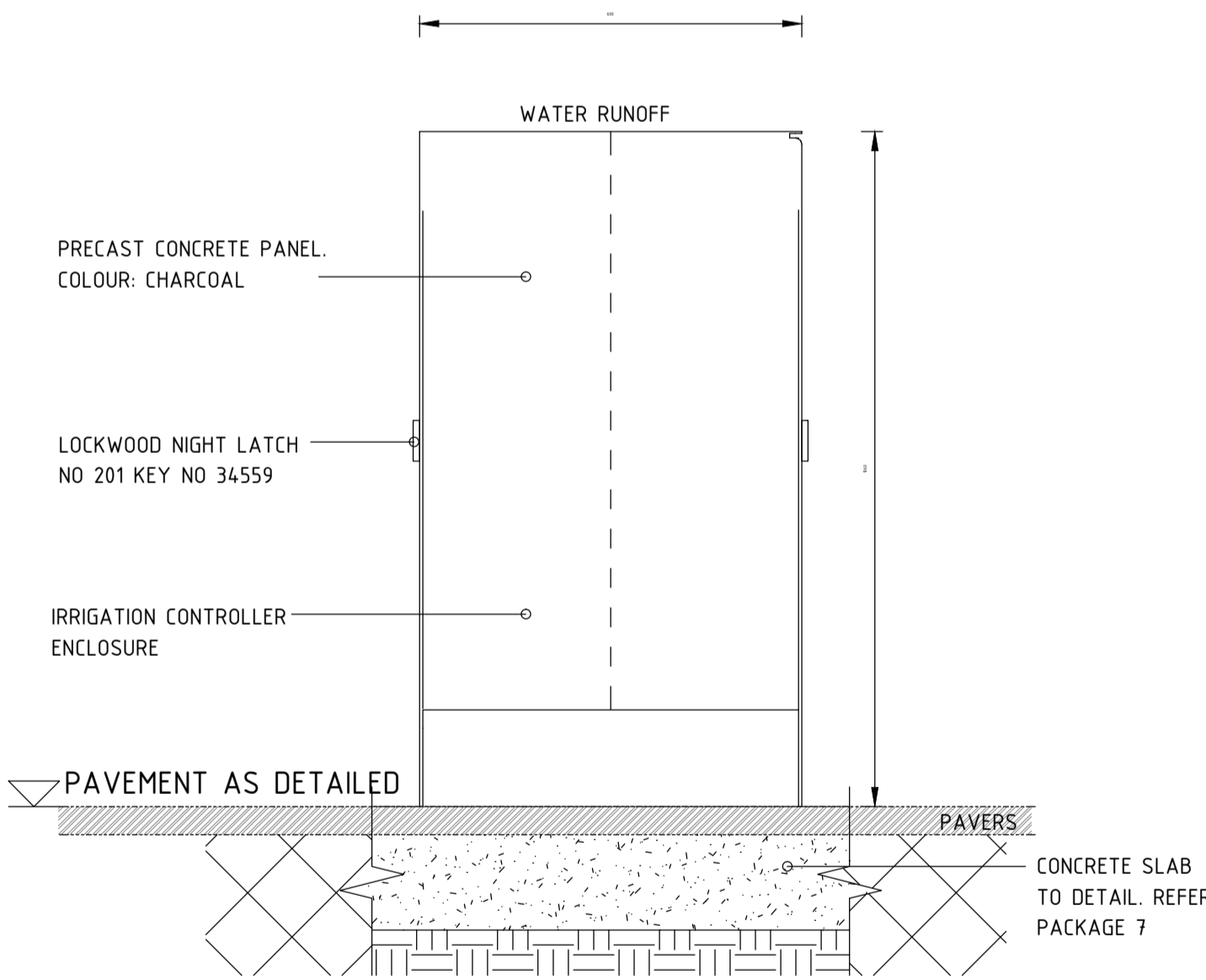
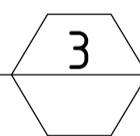
ELEVATION
IC - IRRIGATION CONTROLLER ENCLOSURE FRONT ELEVATION

SCALE: 1:10 (A1)



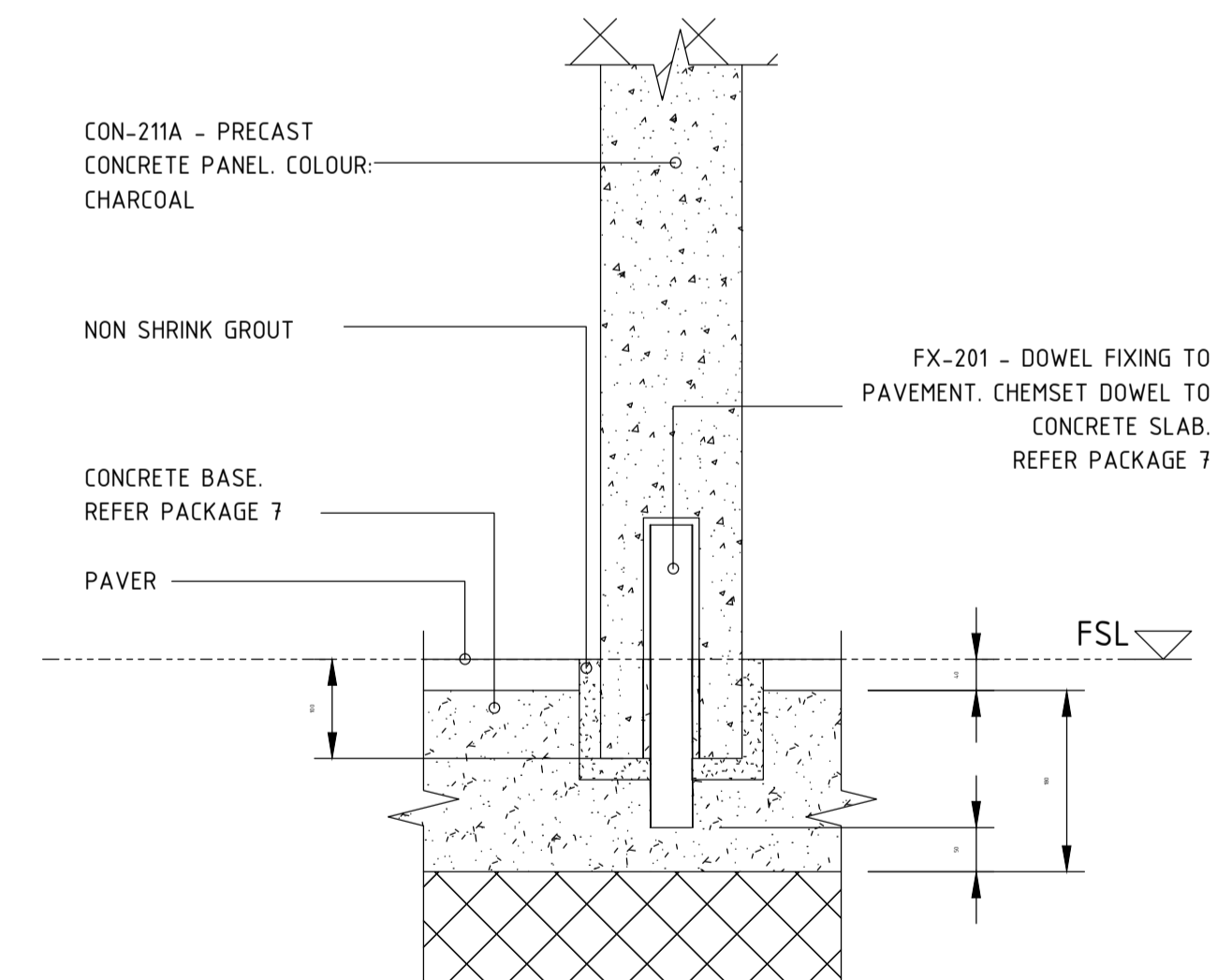
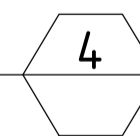
PLAN
IC - IRRIGATION CONTROLLER ENCLOSURE PLAN

SCALE: 1:10 (A1)



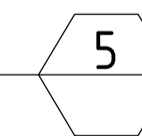
IC - IRRIGATION CONTROLLER ENCLOSURE SIDE ELEVATION

SCALE: 1:10 (A1)



DETAIL - CONCRETE PANEL SETDOWN

SCALE: 1:5



NO.	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
AMD				

CO-ORDINATE SYSTEM: - HEIGHT DATUM: - SCALE: AS SHOWN

CapitalMetro
ACT Government

CANBERRA
METRO
Move | Live | Grow

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architectus

dsb
Landscape Architects

DRAWN	A. HUANG	11/08/17
DESIGNED	M. REEVES	11/08/17
DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT
PACKAGE 39.02 PRECINCT 6: CIVIC
LANDSCAPE
LANDSCAPE DETAILS

FILE No. 3139	SHEET: 5 OF 6	A1
STATUS: STAGE 1&2	©	
DRG No. 02-DSB-DRW-LAN-NA-0955	B	EDMS No.

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Plot Date & Time: 19/08/2016 8:25 AM

A

B

C

D

E

F

G

H

A

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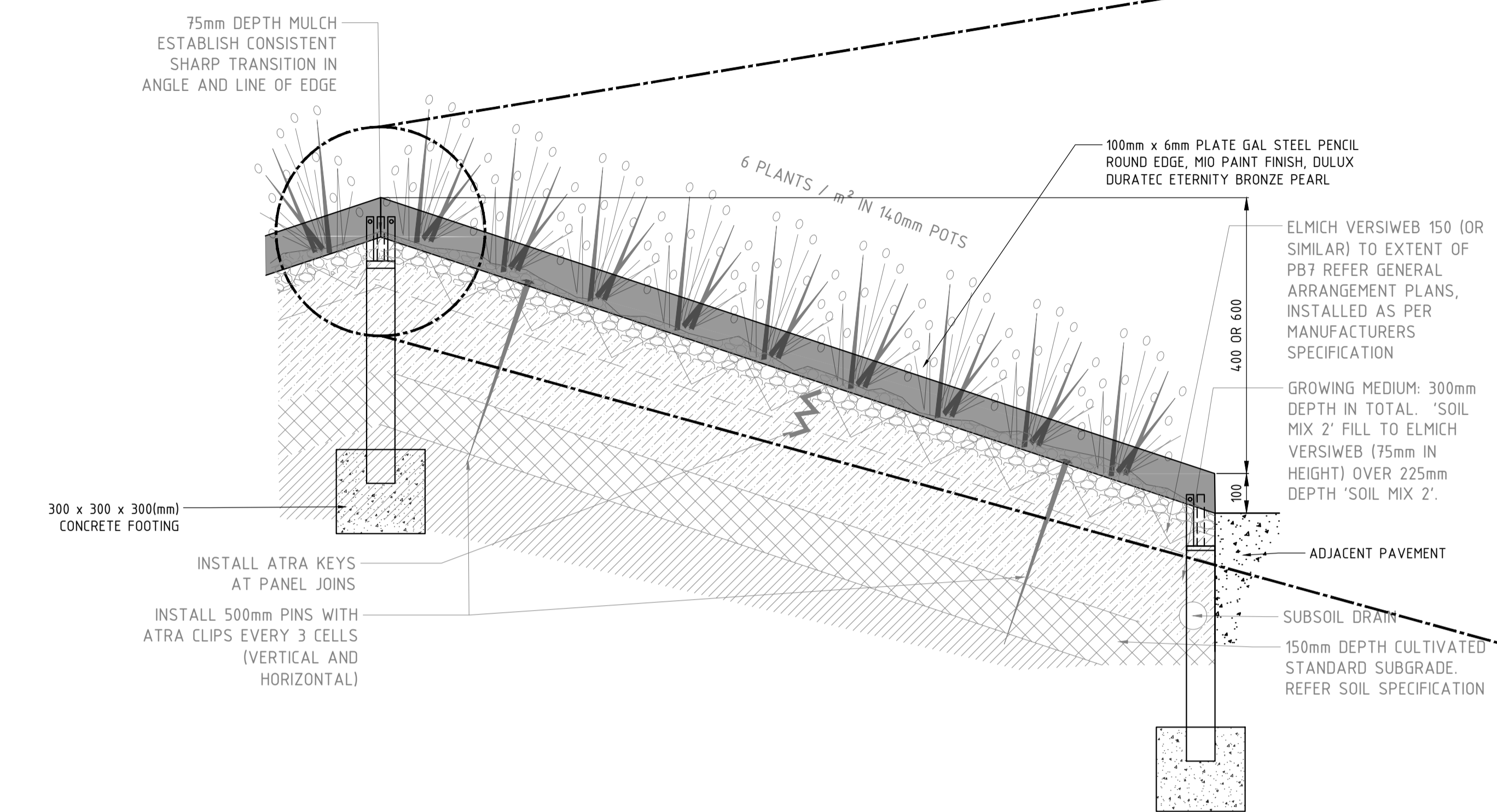
D

E

F

G

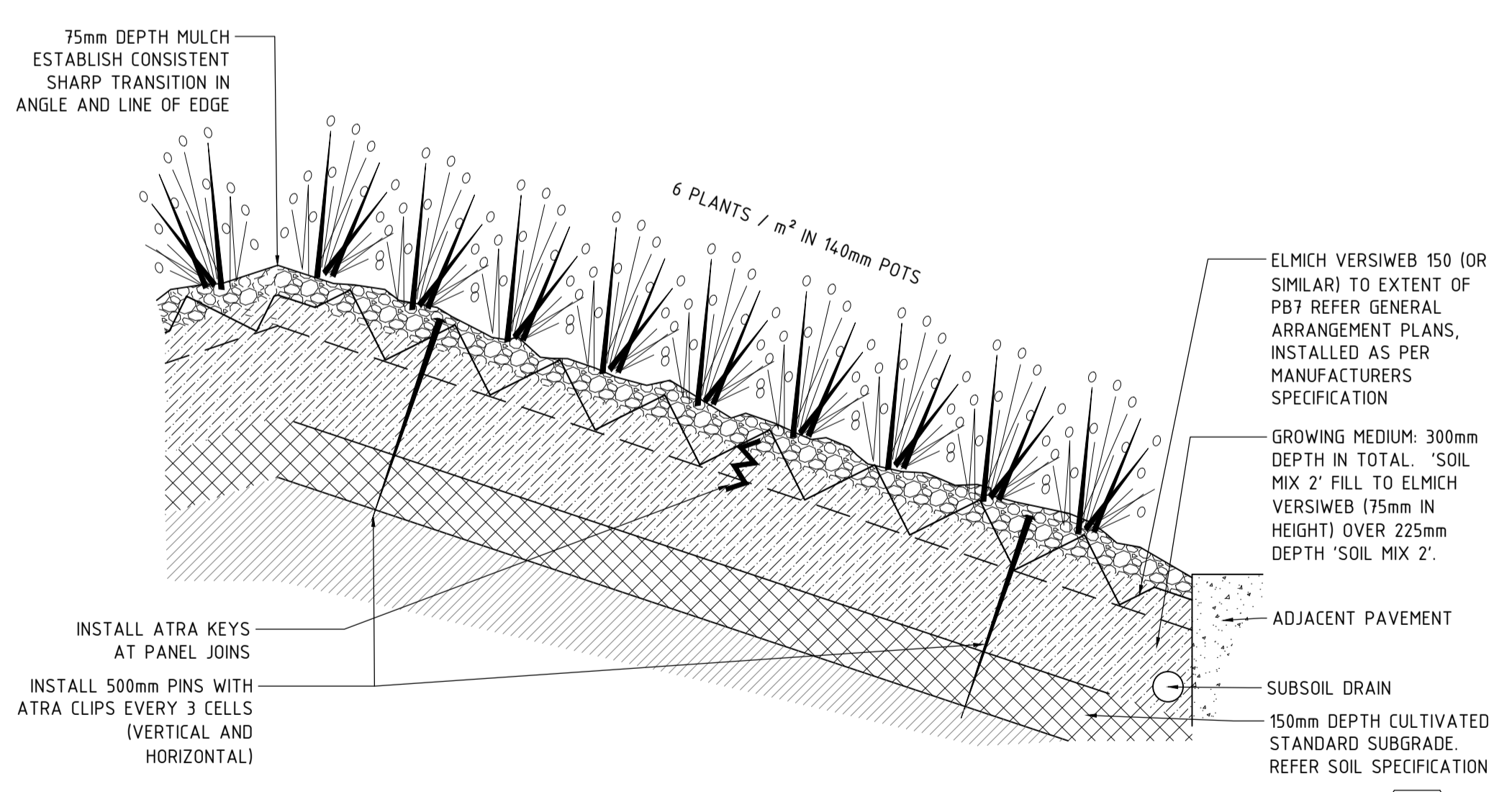
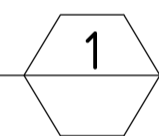
H



NOTE; SHOP DRAWINGS TO APPROVAL

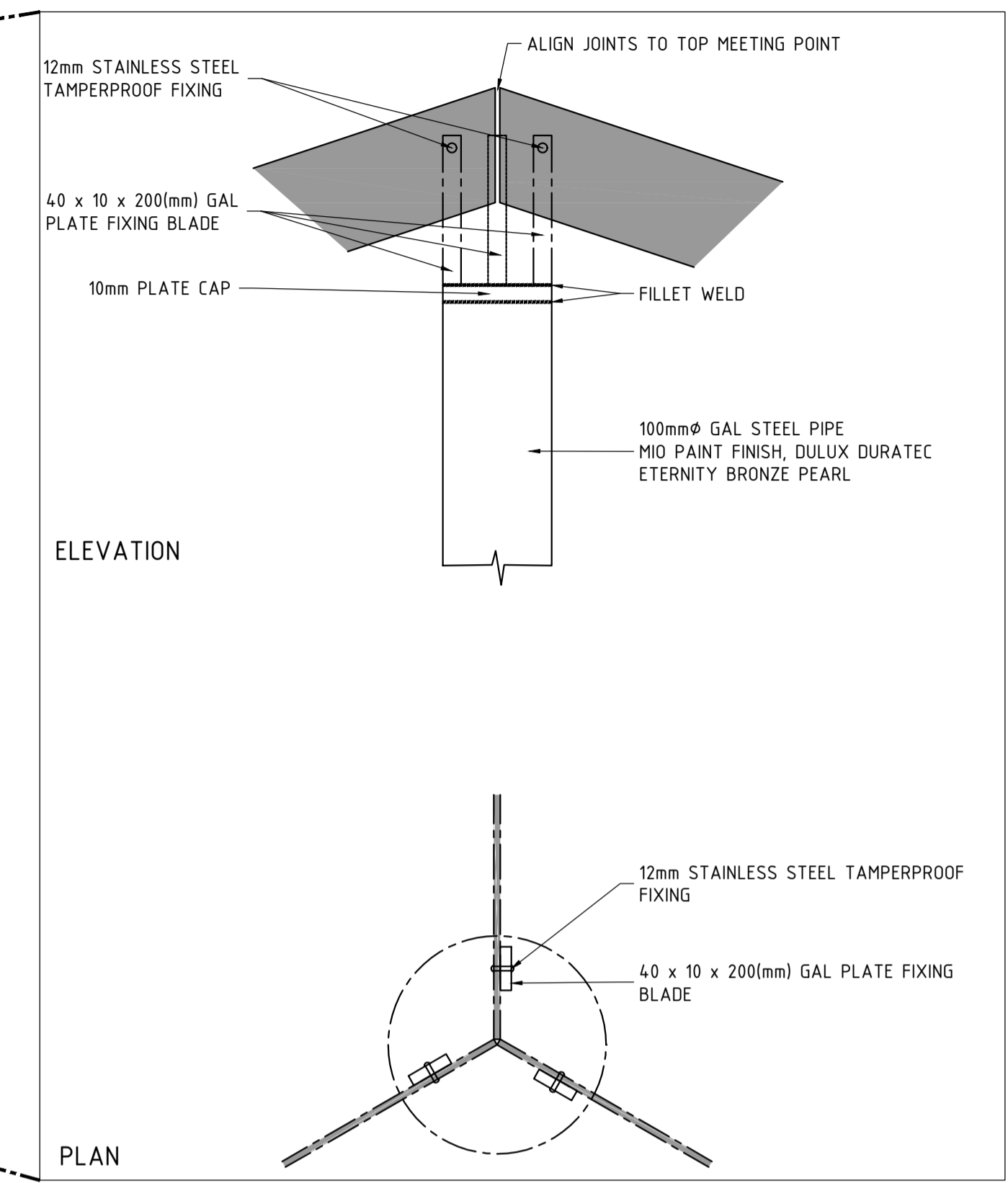
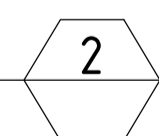
TYPICAL PLANTING BED FRACTAL GEOMETRY EDGING

SCALE: N.T.S.



PB7 - PLANTING BED TYPE 7

SCALE: N.T.S.



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DESIGNED	A. HUANG	11/08/17
DRG CHECK	M. REEVES	11/08/17
DESIGN CHECK	D. PEARCE	11/08/17
APPROVED	M. REEVES	11/08/17

CAPITAL METRO PROJECT		
PACKAGE 39.02 PRECINCT 6: CIVIC		
LANDSCAPE		
LANDSCAPE DETAILS		
FILE No. 3139	SHEET: 6 OF 6	A1
STATUS: STAGE 1&2		
DRG No. 02-DSB-DRW-LAN-NA-0956	B	EDMS No.

B	WORKS APPROVAL	AH 11/08/17	DP 11/08/17	MR 11/08/17
A	STAGE 1&2 ISSUE	AH 28/07/17	DP 28/07/17	MR 28/07/17
AMD	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
CO-ORDINATE SYSTEM: -		HEIGHT DATUM: -	SCALE: AS SHOWN	



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