SOMERSET PLACE

LITTLE BOURKE STREET INTERSECTION STREETSCAPE RECONSTRUCTION WORKS

CONSTRUCTION PLAN

SOMERSET PLACE

ENT

THE FOUNDATION FOR

YOUNG AUSTRALIANS

LAYOUT PLAN

SCALE: 1:200@ A1

CL01 CROSS SECTIONS PLAN

DRAWING INDEX, NOTES AND LOCALITY PLAN

STORMWATER DRAINAGE AND SERVICE PLAN

MALONY'S

APARTMENTS

NO.16

ENT ENT

LITTLE

MULE CAFE

NO. 17

TYPICAL CROSS SECTION (WITH TREE PIT)

STRUCTURE DETAILS PLAN - SHEET 1

STRUCTURE DETAILS PLAN - SHEET 2

SHEET 1

SHEET 2

SHEET 3

SHEET 4

SHEET 5

SHEET 6

SHEET 7

CAPTAINS OF INDUSTRY

NO. 2

BACKPACKING LIGHT

CONSTRUCTION NOTES

- 1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND DRAWINGS ISSUED BY THE PROJECT MANAGER AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
- 2. ALL DIMENSIONS AND RELEVANT SETOUT POINTS SHALL BE CONFIRMED AND VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION IS COMMENCED. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE PROJECT MANAGER.
- 3. THE CONTRACTOR SHALL TRANSFER TBM'S OUT OF CONSTRUCTION AREA PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
- 4. THE CONTRACTOR SHALL MAINTAIN THE WORK SITE IN A SAFE AND TRAFFICABLE CONDITION.
- 5. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING, AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION AND FOR THE PROTECTION OF THE PUBLIC.
- 6. THE CONTRACTOR SHALL ENSURE THAT NO POLLUTED OR SEDIMENT LADEN RUNOFF ENTERS ANY DRAIN OR WATERCOURSE. THE CONTRACTOR SHALL ENSURE THAT PRECAUTIONS ARE TAKEN TO PREVENT EMISSION OF DUST, WHETHER FROM THE OPERATION OF CONSTRUCTION **EQUIPMENT OR OTHERWISE**
- 7. THE CONTRACTOR SHALL PROVE ALL SERVICE LOCATIONS PRIOR TO COMMENCING WORK.
- 8. SAWCUT EXISTING PAVEMENT AT LIMIT OF WORKS TO ENSURE NEAT MATCHING TO NEW WORKS.
- 9. FOR ALL TREES WITHIN THE VICINITY OF WORKS. REFER TO CITY OF MELBOURNE TREE RETENTION & REMOVAL POLICY - 2012.. PRUNING OF TREES AND TREE ROOTS TO BE CARRIED OUT BY CITYWIDE TREECARE IN LIAISON WITH CITY OF MELBOURNE ARBORIST.
- 10. CONTRACTOR TO ADJUST ALL AFFECTED SERVICE COVERS TO MATCH NEW PAVEMENT LEVELS.
- 11. ALL DOWN PIPES TO BE RECONNECTED TO CHANNEL AS PER MCC STD DWG 1P50315.
- 12. ALL EXISTING STREET FURNITURE TO BE CAREFULLY REMOVED AND STORED ON SITE FOR REINSTALLATION. FURNITURE INSTALLATION TO BE IN NEW GIB KEY SOCKETS AS PER STD. DWG. 1P 50400 UNLESS NOTED OTHERWISE. EXISTING OBSOLETE SOCKETS TO BE REMOVED AND DISCARDED BY CONTRACTOR. SIGN POSTS TO BE TAGGED WITH LOCATION DESCRIPTION ON-SITE PRIOR TO REMOVAL.
- 13. UPON COMPLETION THE WHOLE SITE SHALL BE CLEANED UP AND ALL RUBBISH REMOVED AND

CONSTRUCTION LEGEND

RECONSTRUCT ASPHALT ROADWAY (CBD) WITH:

- 65mm PF SIZE 14mm HMA - 200mm OF CLASS 2 COMPACTED CRUSHED ROCK

SUPPLY AND SET 495x245x80mm BLUESTONE PAVERS

CONSTRUCT TREE PLANTER AS PER DETAIL SHEET



SUPPLY AND SET 250mm BLUESTONE GUTTERSTONE CHANNEL ON 75mm STIFF CONCRETE PAD



(900) WITH REFLECTIVE TAPE AS PER CITY DESIGN DRAWING 95099-F01-04



PIT IDENTIFICATION NUMBER



PROPOSED CLOSED JUNCTION PIT (600x600)





INSTALL NEW 50 \$\phi\$ H.D. PVC IRRIGATION LINE

SIGNAGE LEGEND



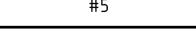












ABN: 47 106 610 913 150 Oxford Street, Collingwood, VIC Australia 3066 hone +61 3 8415 7777 Fax +61 3 8415 7788

- SAWCUT DEPTH 75mm FOR ASPHALT FOOTPATH & 125mm FOR ASPHALT ROADWAY.
- SITE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE PROJECT MANAGER.



- 35mm OF SIZE 10mm HMA





-INSTALLATION OF SOIL AND PLANTING BY OTHERS



SUPPLY AND INSTALL FIXED ELLIPTICAL FIN BOLLARD





PROPOSED GRATED INLET PIT (450x450)



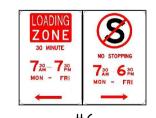
SUPPLY AND LAY STORMWATER DRAINAGE PIPE



(UNLESS SPECIFIED OTHERWISE)











BEWARE OF UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



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WARNING

ELIZIBE SOMERSET PLACE AREA OF WORKS

LOCALITY PLAN SCALE: 1:2500@ A1

North Point

STREET TREE PLOT SOIL AND PLANTER SPECIFICATION

GENERAL OBSERVATIONS.

- 1. PLANTER TO BE EXCAVATED TO A DEPTH OF 750MM TO 1000 MM. EXCAVATE ACCORDING TO A CITY OF MELBOURNE ARBORIST AUTHORIZED EXTENT AND DEPTH (REFER TO CONSTRUCTION NOTES 10-14).
- 2. THE EXPOSED CLAY SUBSOIL IN THE BOTTOM OF THE PLANTING HOLE IS TO BE TREATED WITH GYPSUM AT A RATE OF 500 G/M2. IF POSSIBLE, THE CLAY SHOULD BE BROKEN UP, TO A DEPTH OF 150 MM AFTER APPLICATION OF THE GYPSUM, BEFORE INSTALLATION OF PLANTER SOIL. THIS COULD BE DONE WITH A SMALL BUCKET BACKHOE OR WITH A RIPPER TYNE ON AN EXCAVATOR ARM.
- 3. THE PLANTER SOIL IS TO MEET THE FOLLOWING SPECIFICATION:

THE ROOT ZONE MEDIUM IS TO BE A SAND, LOAMY SAND OR COARSE SANDY LOAM SOIL OF < 1% ORGANIC MATTER BY WEIGHT. THIS SOIL IS TO BE INSTALLED IN 150 MM LIFTS AND COMPACTED GENTLY BY FOOT OR WITH ONE PASS OF A PLATE COMPACTOR. AFTER COMPACTION IT SHOULD STILL BE POSSIBLE TO PUSH A METAL SPIKE INTO THE SOIL OR TO DIG INTO THE SOIL WITH A SPADE WITH MINIMAL EFFORT. THE LANDSCAPE CONTRACTOR IS NOT TO ADD ANY ORGANIC MATTER TO THE SOIL WITHOUT FIRST SEEKING APPROVAL FROM THE LANDSCAPE ARCHITECT. THE SOIL USED FOR THE ROOT ZONE MEDIUM IS TO HAVE A SATURATED HYDRAULIC CONDUCTIVITY OF BETWEEN 20 MM/HR AND 50 MM/HR DETERMINED USING THE METHODS SET OUT IN AS 4419 SOILS FOR LANDSCAPE AND GARDEN USE.

THE SOIL USED SHALL HAVE A PH OF BETWEEN 5.5 AND 7.0 AND A MAXIMUM ELECTRICAL CONDUCTIVITY (BEFORE THE ADDITION OF FERTILIZER MATERIALS) OF 0.5 DS/M (1:5 SOIL WATER EXTRACT). THE PH OF THE SOIL IS TO BE CORRECTED BEFORE DELIVERY TO THE SITE.

UNLESS SPECIFIED DIFFERENTLY ABOVE, THE SOIL IS TO CONFORM TO ALL CRITERIA FOR NATURAL SOILS AND SOIL BLENDS IN AS 4419 SOILS FOR LANDSCAPE AND GARDEN USE.

THE SURFACE 200mm IS TO HAVE FINE COMPOSTED ORGANIC MATTER ADDED AT A RATE OF 20% BY VOLUME. ANY COMPOST USED SHOULD CONFORM TO THE DESCRIPTION OF COMPOSTED SOIL CONDITIONER IN AUSTRALIAN STANDARD AS 4454. THE LANDSCAPE CONTRACTOR IS NOT TO ADD ANY OTHER ORGANIC MATTER TO THE SOIL WITHOUT FIRST SEEKING APPROVAL FROM THE LANDSCAPE ARCHITECT.

SAMPLES OF ALL SOIL, ORGANIC MATTER TO BE TESTED BY AN APPROVED LABORATORY PRIOR TO SUPPLY AND FINAL APPROVAL FROM THE LANDSCAPE ARCHITECT IS REQUIRED BEFORE ANY OF THESE MATERIALS ARE INSTALLED.

FERTILIZER SPECIFICATIONS A1: SURFACE 200 MM

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OFFICES

BEFORE DELIVERY TO THE SITE, THIS SOIL IS TO HAVE ADDED TO IT THE FOLLOWING FERTILIZER MATERIALS: POTASSIUM NITRATE 250 G/M3

AMMONIUM NITRATE 400 G/M3 SUPERPHOSPHATE 400 G/ M3 MICROMAX ®TRACE ELEMENT MIX 300 G/ M3 500 G/ M3× GYPSUM MAGNESIUM SULPHATE 400 G/ M3×

*THESE INGREDIENTS ARE NOT NECESSARY IF PH HAS BEEN CORRECTED WITH DOLOMITIC LIMESTONE OR DOLOMITE OR IF SOIL CHEMICAL ANALYSIS INDICATES NO REQUIREMENT.

AFTER PLANTING, APPLY OSMOCOTE 12-14 MONTH SLOW RELEASE FERTILIZER (OR EQUIVALENT) TO THE SURFACE OF THE PLANTED AREAS OF THE BED AT 500 G/M2. IDEALLY THIS FERTILIZER SHOULD BE APPLIED TO THE SOIL SURFACE PRIOR TO ANY MULCH APPLICATION, HOWEVER, IN THE EVENT THAT THE MULCH IS ALREADY APPLIED, THEN APPLY TO THE SURFACE OF THE MULCH.

IN THE EVENT THAT AN ALTERNATIVE FERTILIZER PROGRAM IS PROPOSED BY THE CONTRACTOR, APPROVAL MUST FIRST BE SOUGHT FROM THE LANDSCAPE ARCHITECT BEFORE USE.

NOTE:

CITYWIDE TO CONFIRM EXACT LOCATION OF PLANTERS PRIOR TO INSTALLATION AND SEEK APPROVAL FROM CITY DESIGN LANDSCAPE ARCHITECTS. CONTACT SALLY TYRRELL PHONE: (03) 9658 9408

DRAINAGE NOTES

- D1. ALL REINFORCED CONCRETE PIPES (RCP) SHALL BE CLASS 4 (UNLESS OTHERWISE NOTED) AND COMPLY WITH AS 4058.
- D2. ALL REINFORCED CONCRETE PIPES AND ALL UPVC PIPES 225¢ OR GREATER SHALL BE RUBBER RING
- D3. ALL SUBSURFACE DRAINS TO BE 100 DIA. SLOTTED UPVC PIPE AND INSTALLED TO MIN. DEPTHS. D4. LAYING OF PIPES SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION.
- D5. PIPE LAYING SHALL COMMENCE AT THE DOWNSTREAM END OF WORK.
- D6. THE SIZE OF INGROUND PIPES CONNECTING TO DOWNPIPES SHALL MATCH DOWNPIPE SIZE U.N.O.
- D7. ALL SOLID COVERS TO HAVE CHARCOAL COLOURED CONCRETE INFILL

OH&S DRAINAGE NOTES

- 1. CONTRACTOR TO CHECK FOR CONTAMINANTS PRIOR TO ENTERING DRAINAGE SYSTEM.
- 2. CONTRACTOR TO INTRODUCE MANUAL HANDLING PROCEDURES PRIOR TO CONSTRUCTION AND MAINTENANCE WORKS.
- 3. CONTRACTOR TO INTRODUCE SAFE MAINTENANCE PROCEDURES PRIOR TO UNDERTAKING MAINTENANCE WORKS ON THESE ASSETS.
- 4. ALL EXCAVATION AND TRENCHING TO COMPLY WITH OH&S ACT AND RELEVANT GUIDELINES

PRELIMINARY

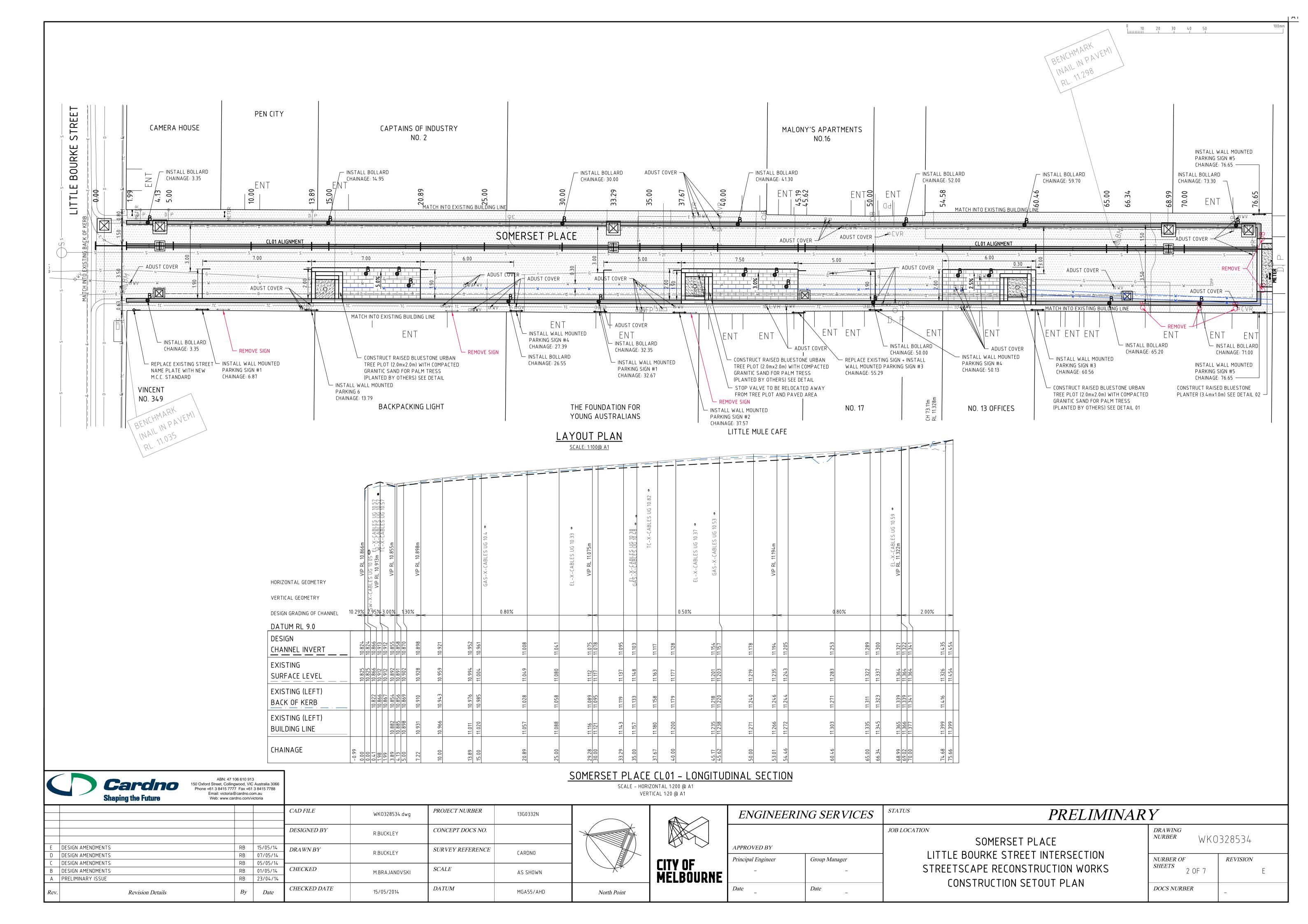
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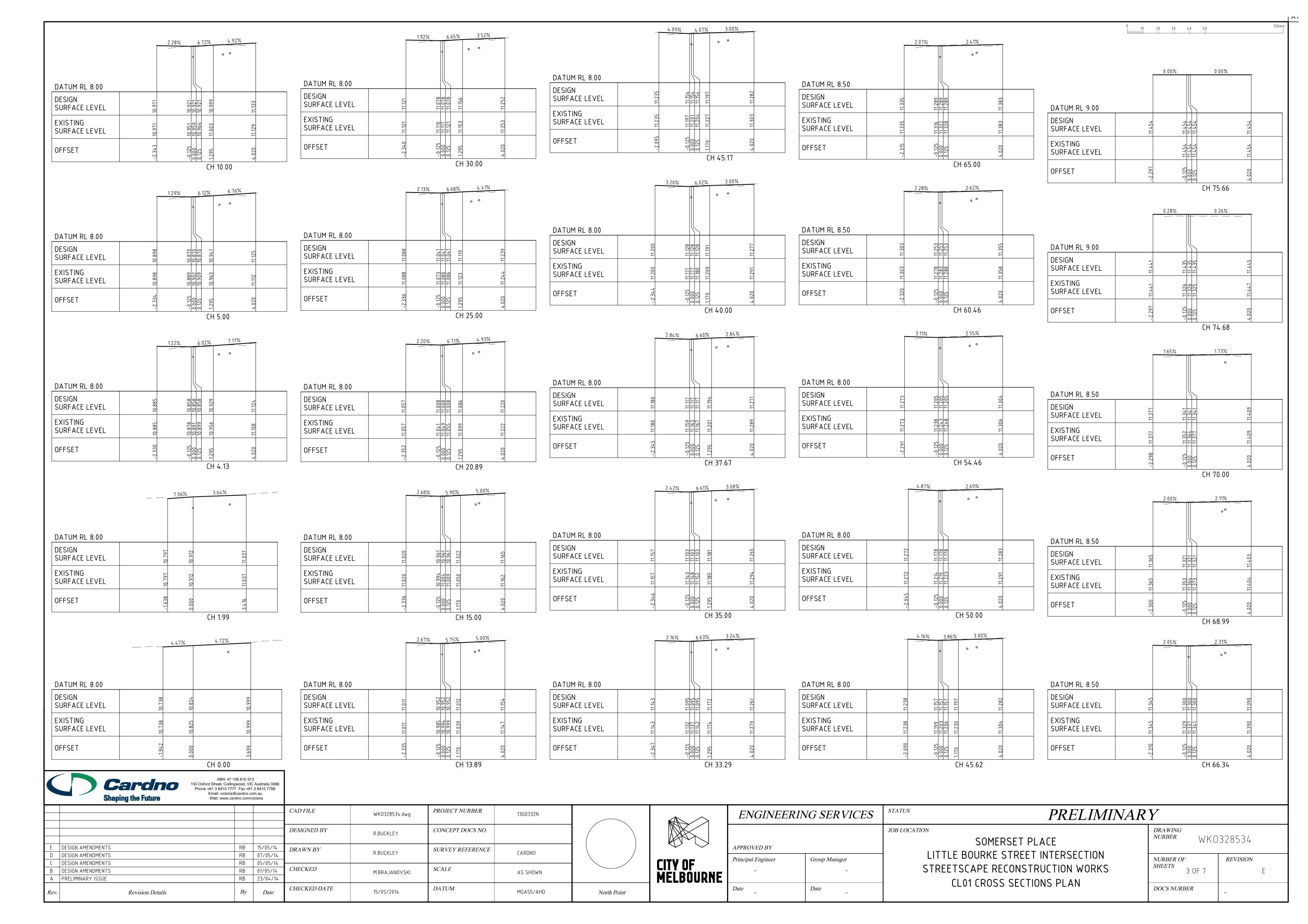


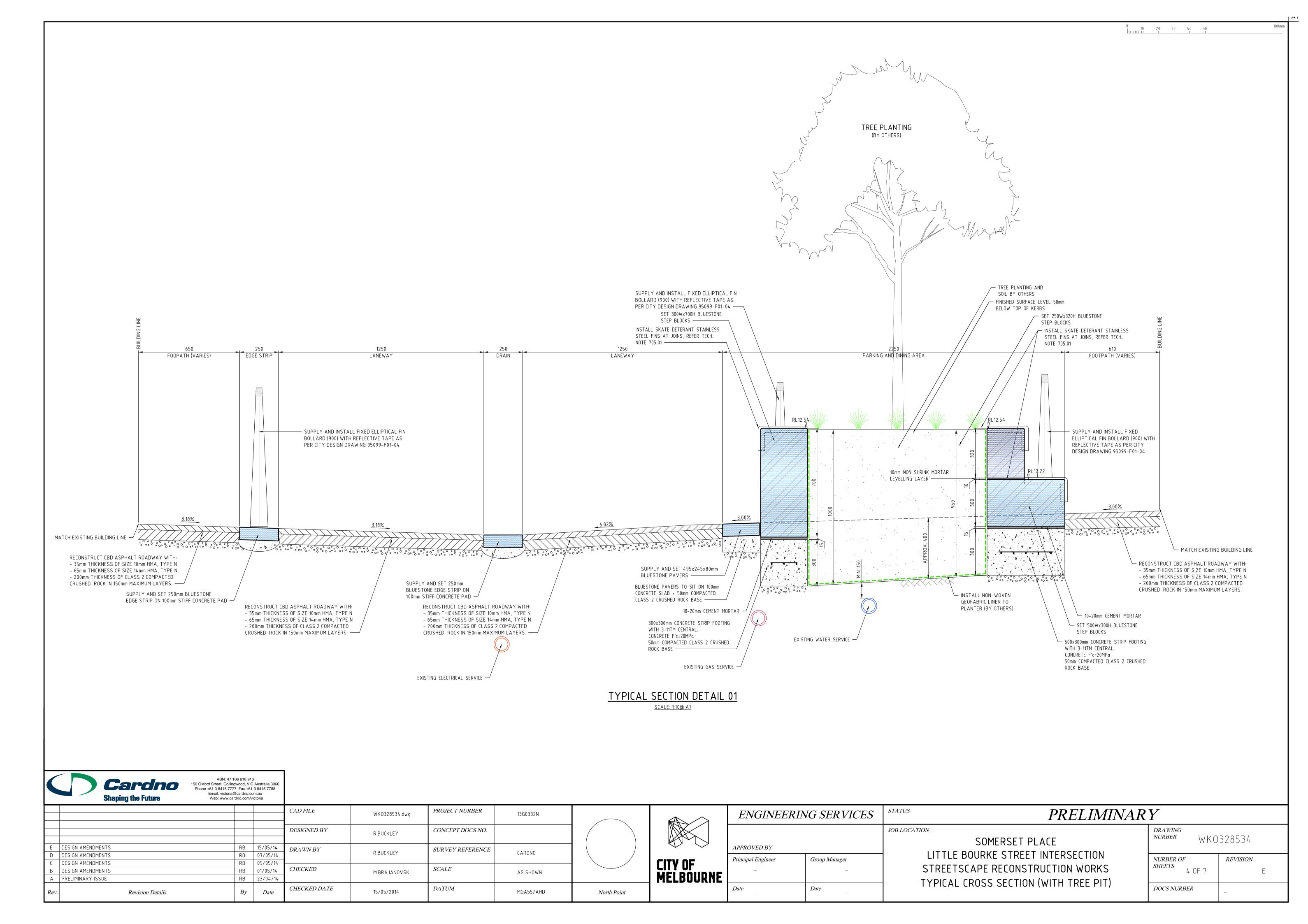
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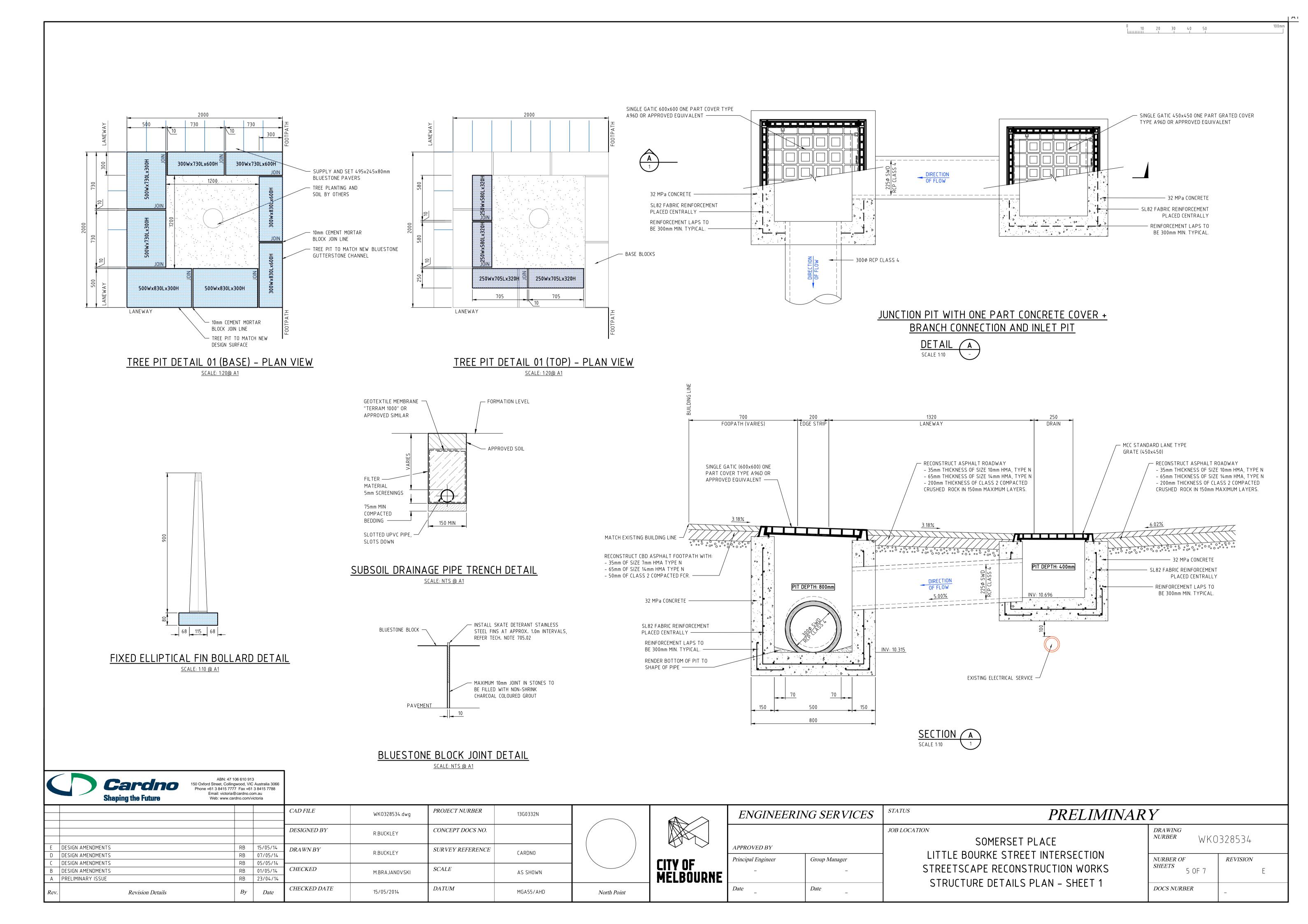
JOB LOCATION SOMERSET PLACE LITTLE BOURKE STREET INTERSECTION STREETSCAPE RECONSTRUCTION WORKS DRAWING INDEX, NOTES AND LOCALITY PLAN

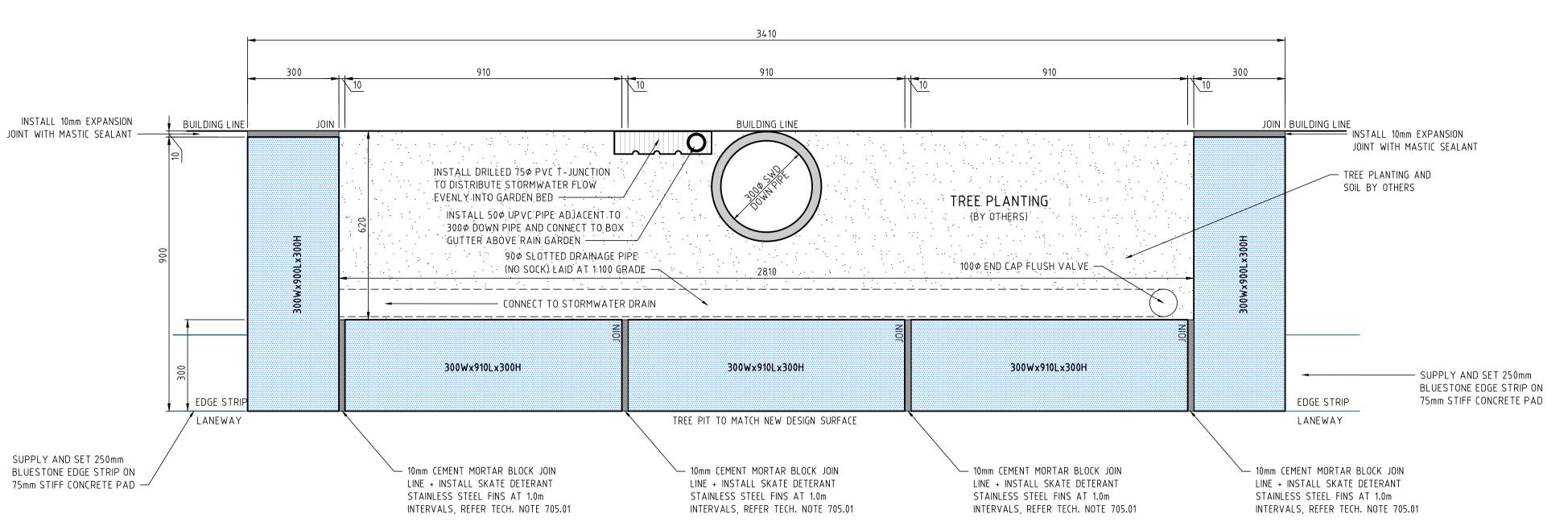
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TREE PIT DETAIL 02 (BASE) – PLAN VIEW SCALE: 1:10@ A1

INSTALL 50¢ UPVC PIPE ADJACENT TO SET 300Wx300H BLUESTONE 300¢ DOWN PIPE AND CONNECT TO BOX - SET 300Wx300H BLUESTONE STEP BLOCKS — GUTTER ABOVE RAIN GARDEN ——— — TREE PLANTING AND STEP BLOCKS SOIL BY OTHERS INSTALL SKATE DETERANT STAINLESS INSTALL DRILLED 75¢ PVC T-JUNCTION STEEL FINS AT 1.0m INTERVALS, REFER TO DISTRIBUTE STORMWATER FLOW - INSTALL SKATE DETERANT STAINLESS - FINISHED SURFACE LEVEL 50mm TECH. NOTE 705.01 —— EVENLY INTO GARDEN BED ----STEEL FINS AT 1.0m INTERVALS, REFER BELOW TOP OF KERBS TECH. NOTE 705.01 GARDEN BED TREE PLANTING (BY OTHERS) RL11.02 EDGE STRIP EDGE STRIP PAVEMENT LEVEL SUPPLY AND SET 250mm BLUESTONE EDGE STRIP ON └─ SUPPLY AND SET 250mm BLUESTONE EDGE STRIP ON 100mm STIFF CONCRETE PAD 10-20mm MAX NON SHRINK MORTAR LEVELING LAYER -└─ 10-20mm MAX NON SHRINK └ 300Ø STORMWATER MORTAR LEVELING LAYER DRAINAGE DOWN PIPE 300x300mm CONCRETE STRIP FOOTING WITH 3-11TM CENTRAL. └─ SET TREE PLOT BLOCKS ON 100mm CONCRETE F'c=20MPa TYPICAL SECTION DETAIL 02 STIFF CONCRETE PAD 50mm COMPACTED CLASS 2 CRUSHED 50mm COMPACTED CLASS 2 CRUSHED ROCK BASE ---SCALE: 1:10@ A1 ROCK BASE

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Rev.	Revision Details	By	Date	CHECKED DATE	15/05/2014	DATUM	MGA55/AHD	North Point

CITY OF MELBOURNE

	APPROVED BY	
	Principal Engineer	Group Manager
E	-	-
	Date _	Date _

ENGINEERING SERVICES

STATUS

SOMERSET PLACE
LITTLE BOURKE STREET INTERSECTION
STREETSCAPE RECONSTRUCTION WORKS
STRUCTURE DETAILS PLAN - SHEET 2

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