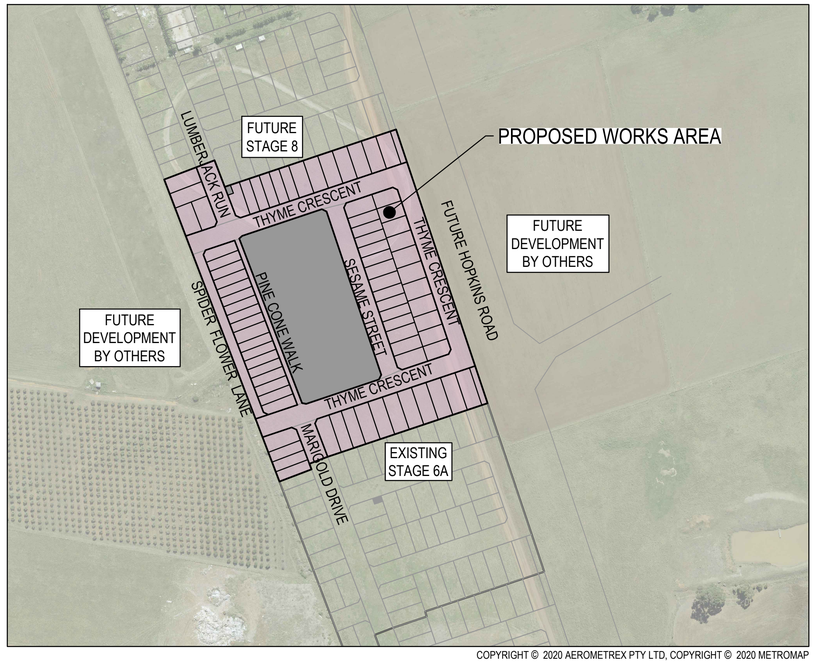
Botania
Stage 7



Drawing Index

GENERAL NOTES (MELTON CITY COUNCIL)

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH A.S. 4000-1992 GENERAL CONDITIONS OF CONTRACT AND CURRENT MELTON SHIRE COUNCIL SPECIFICATIONS AND EDCM ADDENDUM STANDARD DRAWINGS AND TO THE SATISFACTION OF THE SUPERVISING ENGINEER OR THEIR REPRESENTATIVE.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY 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 TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
   - 3.1. COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
   - 3.2. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
   - 3.3. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVENT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER.
7. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
8. THE CONTRACTOR WHEN ENGAGED IN BLASTING OPERATION, SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE ENGINEER AND MUST OBTAIN ALL RELEVANT PERMITS.
9. THE CONTRACTOR IS TO OBTAIN THE NECESSARY ROAD OPENING PERMIT PRIOR TO UNDERTAKING ANY WORKS WITHIN A PREVIOUSLY CONSTRUCTED ROADWAY.
10. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
11. THE CONTRACTOR SHALL CO-OPERATE WITH OTHER AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE.
12. ANY EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL REPRESENTATIVE
13. TBM'S TO BE MAINTAINED AND PROTECTED BY THE CONTRACTOR FOR THE DURATION OF THE WORKS.
14. ALL CONCRETE TO BE USED IN THE CONTRACT WORKS SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS.
15. THE CONTRACTOR IS TO ENSURE THAT HIS CONSTRUCTION PROCEDURES AND STANDARDS CONTROL THE VOLUME AND LOCATION FOR COLLECTION OF SEDIMENT DISCHARGE ACCORDING TO CURRENT EPA - ENVIRONMENTAL GUIDELINES FOR MAJOR CONSTRUCTION SITES. THE CONTRACTOR IS TO CONSTRUCT SEDIMENT TRAPS AT THE ENDS OF ALL TEMPORARY CHANNELS AND CATCH DRAINS. THEY ARE TO BE MAINTAINED THROUGH THE DURATION OF WORKS AND MAINTENANCE TO BE TRANSFERRED TO THE PRINCIPAL UPON COMPLETION OF THE WORKS.
16. ALL BATTERS TO BE 1 IN 6 UNLESS OTHERWISE INDICATED. FILLING IN PROPERTIES AND ROAD RESERVE IS TO BE CARRIED OUT USING APPROVED CLAY FILL. TOPSOIL AND ALL VEGETABLE MATTER TO BE STRIPPED FROM FILL SITE PRIOR TO FILLING. WHERE FILL IS IN EXCESS OF 300mm IN DEPTH, THE FILL IS TO BE LEVEL 1 IN ACCORDANCE WITH AS3798. EARTH FILL IS TO BE COMPACTED TO A RELATIVE COMPACTION COMPARED TO A STANDARD COMPACTION TEST AS SPECIFIED BY VIC ROADS OF
    - 100% FOR ALL FILL MATERIAL AND MATERIAL UNDER FILL THAT IS LESS THAN 450mm FROM THE SURFACE.
    - 95% FOR ALL FILL GREATER THAN 450mm FROM THE SURFACE.
17. ADDITIONAL AND OVEREXCAVATION SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF THE SPECIFICATION.
18. THE NATURE STRIPS AND CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED MATERIAL.
19. THE SUBGRADE BELOW ALL PAVEMENTS SHALL BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF THE MAX. FOUND IN STANDARD COMPACTION TEST IN AREAS OF CUT TO A DEPTH OF 150mm AND IN AREAS OF FILL TO A DEPTH OF 450mm.
20. THE RELATIVE COMPACTION OF CRUSHED ROCK FOR PAVEMENTS SHALL BE COMPLETED AT THE OPTIMUM MOISTURE CONTENT TO A DRY DENSITY (BASED ON THE PERCENTAGE OF THE MAXIMUM DRY DENSITY OBTAINED IN THE MODIFIED COMPACTION TEST) AS BELOW:
    - FOR DEPTH 0-100mm BELOW TOP OF BASE, RELATIVE COMPACTION OF 100%.
    - FOR DEPTH 100-300mm BELOW TOP OF BASE, RELATIVE COMPACTION OF 98%.
    - FOR DEPTH OVER 300mm BELOW TOP OF BASE, RELATIVE COMPACTION OF 97%.
21. 100mm NOMINAL DIAMETER SUBSOIL DRAIN SHALL BE PROVIDED BEHIND ALL KERB AND CHANNEL AS PER STANDARD DRAWING EDCM 202
22. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS G,W AND T ABOVE CONDUIT LOCATIONS AS SPECIFIED. CONDUITS TO BE PLACED MINIMUM OF 5m FROM BOUNDARIES WHERE POSSIBLE AND TO THE SATISFACTION OF THE SUPERINTENDENT IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS. NBN CONDUITS WILL BE SUPPLIED BY NBN'S EXPENSE. IN TRENCHES EXCAVATED AND BACKFILLED BY THE CONTRACTOR. NBN SIZES VARIES - WHITE PVC NBN TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS. GAS AND WATER CONDUITS TO BE 50mm DIA. HEAVY DUTY PVC LAID AT A MINIMUM DEPTH OF 600mm BELOW ROAD FINISHED SURFACE LEVELS. FOR DUAL WATER SUPPLY CONDUIT SHALL BE 100mm DIA.
23. ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED WITH CLASS 2 FCR.
24. ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAT 6.00m FROM THE SIDE BOUNDARY OR FROM ANY EASEMENT ALONG THE SIDE BOUNDARY.
25. ALL PROPERTY INLETS TO BE LOCATED 1.0m FROM THE LOW SIDE BOUNDARY UNLESS OTHERWISE SHOWN. THEY ARE TO BE LAID AT A MINIMUM DEPTH OF 400mm AS SPECIFIED IN THE STANDARD DRAWINGS.
26. DRAINAGE PITS SHALL BE CAST MONOLITHICALLY. CEMENT RENDER SHALL ONLY BE USED TO REPAIR DEFECTS.
27. ALL RESIDENTIAL FOOTPATHS TO BE MINIMUM 1.50m WIDE UNLESS OTHERWISE INDICATED. FOOTPATH TO BE 125mm DEPTH OF 25MPa CONCRETE CENTRALLY REINFORCED WITH SL72 MESH, AS PER EDCM 401 ON 50mm COMPACTED DEPTH 20mm CLASS 3 FCR BASE.
28. ALL RESIDENTIAL DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH EDCM 501 TO 503. SINGLE DRIVEWAYS TO BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT.
29. ALL ALLOTMENTS AND RESERVES SHALL BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE.
30. APPROVAL FOR THE REMOVAL AND DISPOSAL OF ANY EXCAVATED MATERIAL OR TOPSOIL IS REQUIRED FROM COUNCIL.
31. THE CONTRACTOR TO ERECT STREET NAME SIGNS & POLE AS DIRECTED BY THE SUPERINTENDENT.
32. ALL LINEMARKING, SIGNING & TRAFFIC CONTROL DEVICES FOR THIS PROJECT TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742. ALL LINEMARKING TO BE LONG LIFE THERMOPLASTIC PAINT.
33. CONFIRMATION OF THE ASPHALT WEARING COURSE IS TO BE DEFFERED UNTIL INSTRUCTED BY THE SUPERINTENDENT.
34. ALL EXOTIC (NON-NATIVE) TREES AND SHRUBS, INCLUDING DEAD TREES, NOT SHOWN ON THE DRAWINGS BUT LOCATED WITHIN THE WORKS AREA TO BE REMOVED AND DISPOSED OFFSITE.
35. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVE SHALL BE SURFACED WITH A 100mm LAYER TOPSOIL AS SPECIFIED. ALL FILLING ON ALLOTMENTS TO BE COMPACTED TO 95% STANDARD COMPACTION IN 150mm LAYERS AND AS PER THE SPECIFICATION. WHERE THERE IS FILL IN EXCESS OF 300mm IN DEPTH, THE CONTRACTOR IS TO CARRY OUT SOIL TESTS TO THE REQUIREMENTS OF SECTION 8 AS SPECIFIED IN AS3798-1996 TO SHOW THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
36. INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER (BRRPM) ON ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE LOCATION OF FIRE PLUG.
37. UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP AND GRADED OVER. ALL RUBBISH IS TO BE REMOVED AND THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
38. ALL DRAINAGE PIT COVERS AND GRATES IN ACCORDANCE WITH EDCM 601 TO 608
39. PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CL3 CR TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION:
    - BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
    - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45° ANGLE OF REPOSE FROM THE NEAR LOWER EDGE.

GAS - STANDARD NOTES

1. GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY THE GAS AUTHORITY.
2. EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE BY OTHERS.
3. TWO WEEKS OF NOTIFICATION OF COMMENCEMENT OF EXCAVATION WORKS SHALL BE GIVEN TO THE GAS AUTHORITY.

WARNING
SAFETY MEASURES REQUIRED
Please note there are risks attached to the construction of this project, and any ongoing maintenance of structures. Consider the safety of all. For potential risks, consequences and controls refer to Safety In Design Risk Register
SID P4.E6. 3070E-007-500
ASSESS THE RISK - STAY SAFE

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations 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.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

AS CONSTRUCTED PLANS
The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q
PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 25 50 100
Scale 1:2500
SCALE AS SHOWN AT A1

N

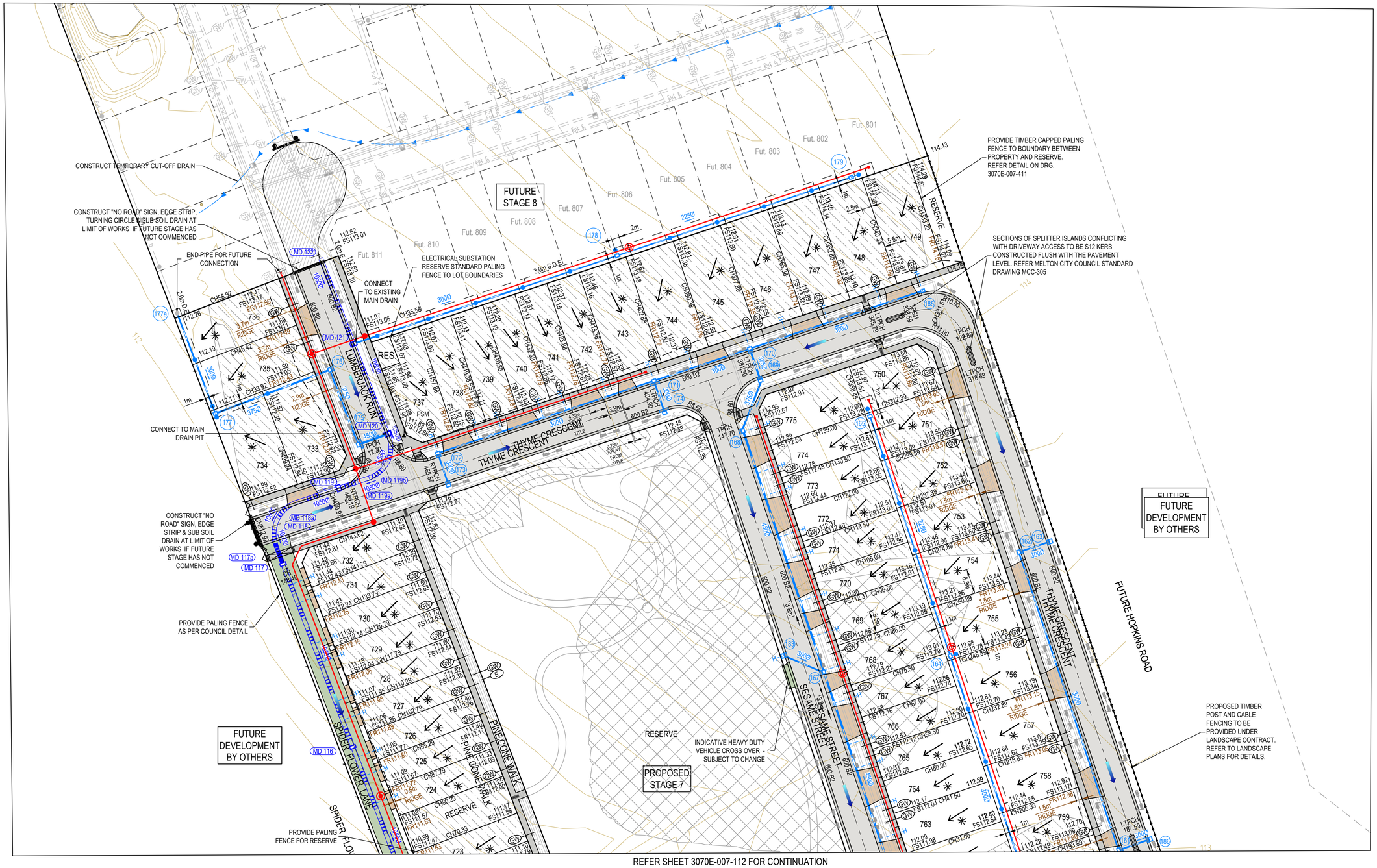
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Cover Plan & General Notes

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-101	01 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-101.dwg PRINTED BY: JH16392 on 20/03/2024 at 02:28:05 PM



REFER SHEET 3070E-007-112 FOR CONTINUATION

LEGEND - LAYOUT PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
S T	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
E	ELECTRICITY (U.GROUND)
O/H	ELECTRICITY (O.HEAD)
G	GAS
T	TELSTRA
O	OPTIC FIBRE
W	WATER
RW	RECYCLE WATER
Ag	AG. DRAIN
GW	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
O/H E	EXISTING ELECTRICITY OVERHEAD
Ex G	EXISTING GAS
Ex T	EXISTING TELSTRA
Ex O	EXISTING OPTIC FIBRE
Ex W	EXISTING WATER
Ex RW	EXISTING RECYCLED WATER
Ex Ag	EXISTING AG. DRAIN
GW	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
H	FUTURE HOUSE DRAIN
Fut E	FUTURE ELECTRICITY (UNDER GROUND)
FutO/H E	FUTURE ELECTRICITY OVERHEAD
Fut G	FUTURE GAS
Fut T	FUTURE TELSTRA
Fut O	FUTURE OPTIC FIBRE
Fut W	FUTURE WATER
Fut RW	FUTURE RECYCLED WATER
Fut Ag	FUTURE AG. DRAIN
GW	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
141.34	EXISTING SURFACE LEVEL
FS140.35	FINISHED BUILDING LINE LEVEL
FR157.40	FINISHED RIDGE LINE LEVEL
CH270.00	CHAINAGE
TW159.60	TOP OF RETAINING WALL LEVEL
BW159.00	BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	EXISTING STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

ROAD LAYOUT TABLE

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP TO LIP	INV TO INV	BACK TO BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
MARIGOLD DRIVE, LUMBERJACK RUN & THYME CRESCENT LOTS 701 - 704, 746 - 749, 733 & 734	AS	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.20
SESAME STREET	AS	14.50	6.40	7.30	7.60	600 B2	600 B2	1.05	5.85
THYME CRESCENT LOTS 750 - 760	AS	14.50	6.40	7.30	7.60	600 B2	600 B2	5.05	1.85
THYME CRESCENT LOTS 706 - 711	AS	14.50	6.40	7.30	7.60	600 B2	600 B2	2.70	4.20
THYME CRESCENT LOTS 737 - 743	AS	14.50	6.40	7.30	7.60	600 B2	600 B2	4.20	2.70
SPIDER FLOWER LANE	LANEWAY	9.00	6.00	-	-	-	-	0.75	1.25
PINE CONE WALK	PAPER ROAD	4.00	-	-	-	-	-	-	-

SERVICES OFFSET TABLE

ROAD NAME	GAS	WATER	ELECTRICITY	OPTIC FIBRE
	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)
MARIGOLD DRIVE & LUMBERJACK RUN	2.00 W	2.50 W	2.60 E	1.90 E
THYME CRESCENT LOTS 701 - 704, 746 - 749, 733 & 734	2.00 N	2.50 N	2.60 S	1.90 S
SESAME STREET	2.00 E	2.50 E	4.00 E	3.50 E
THYME CRESCENT LOTS 750 -760	2.00 W	2.50 W	4.00 W	3.50 W
THYME CRESCENT LOTS 706 - 711	0.50 N	1.00 N	2.60 S	1.90 S
THYME CRESCENT LOTS 737 - 745	2.00 E	2.50 E	3.60 E	3.10 E
PINE CONE WALK	2.00 E	2.50 E	3.60 E	3.10 E

WARNING

BEWARE OF UNDERGROUND SERVICES

The locations 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.
Locate all underground services before commencement of works

DIAL 1100 BEFORE YOU DIG

www.1100.com.au

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® | OHS Management - AS/NZS 4801 Global-Mark.com.au® | Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 5 10 20
Scale 1:500
SCALE AS SHOWN AT A1

N

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

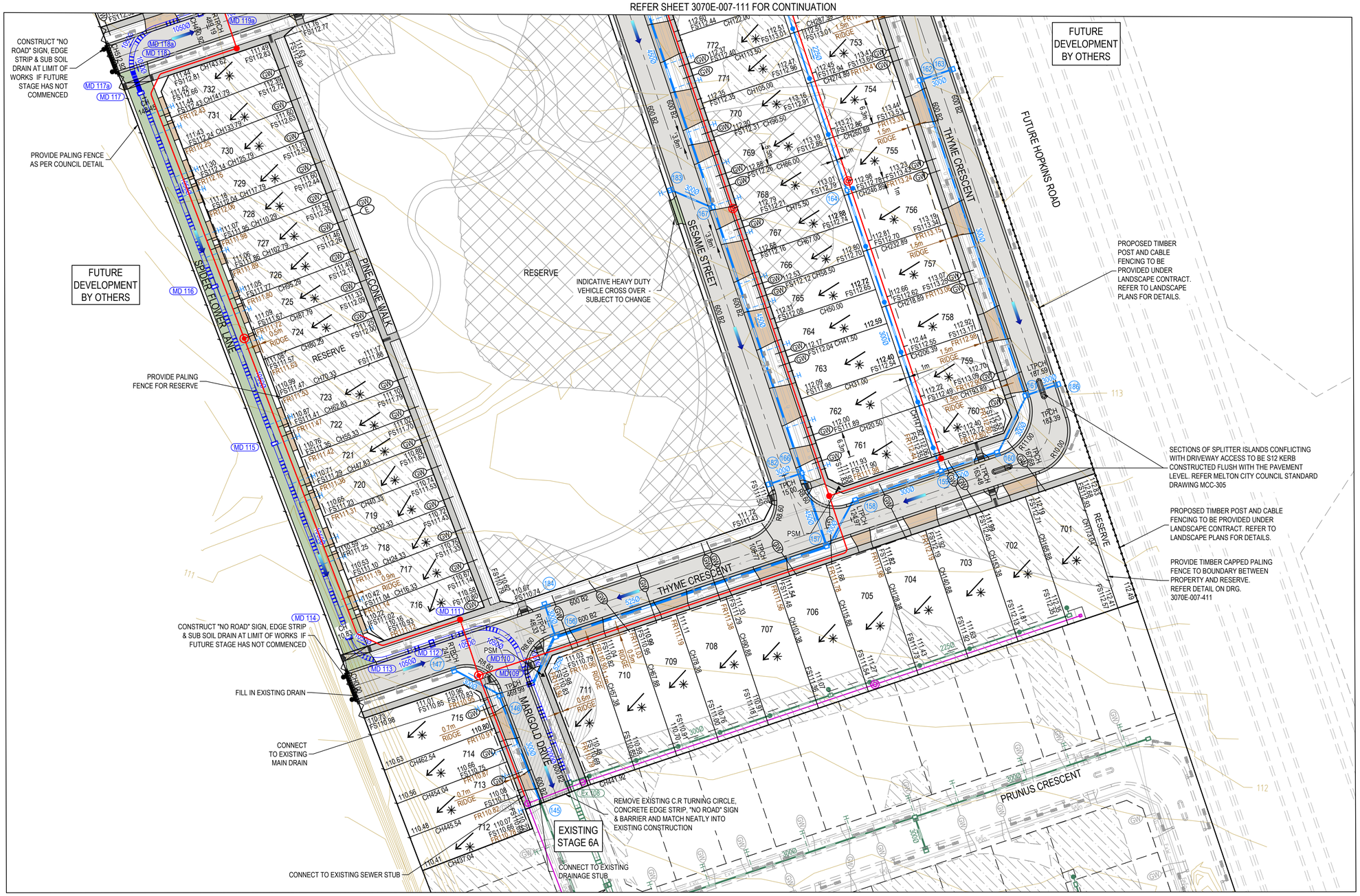
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Layout Plan - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-111	02 of 30	4

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-111.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:06:26 PM

REFER SHEET 3070E-007-111 FOR CONTINUATION



LEGEND - LAYOUT PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
S T	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
E	ELECTRICITY (U.GROUND)
O/H	ELECTRICITY (O.HEAD)
G	GAS
T	TELSTRA
O	OPTIC FIBRE
W	WATER
RW	RECYCLE WATER
Ag	AG. DRAIN
GW	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
O/H E	EXISTING ELECTRICITY OVERHEAD
Ex G	EXISTING GAS
Ex T	EXISTING TELSTRA
Ex O	EXISTING OPTIC FIBRE
Ex W	EXISTING WATER
Ex RW	EXISTING RECYCLED WATER
Ex.Ag	EXISTING AG. DRAIN
GW	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
H	FUTURE HOUSE DRAIN
Fut E	FUTURE ELECTRICITY (UNDER GROUND)
Fut O/H E	FUTURE ELECTRICITY OVERHEAD
Fut G	FUTURE GAS
Fut T	FUTURE TELSTRA
Fut O	FUTURE OPTIC FIBRE
Fut W	FUTURE WATER
Fut RW	FUTURE RECYCLED WATER
Fut Ag	FUTURE AG. DRAIN
GW	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	ZERO LOT LINES
141.34	EXISTING SURFACE LEVEL
FS140.35	FINISHED BUILDING LINE LEVEL
FR157.40	FINISHED RIDGE LINE LEVEL
CH270.00	CHAINAGE
TW159.60	TOP OF RETAINING WALL LEVEL
BW159.00	BOTTOM OF RETAINING WALL LEVEL
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	STRUCTURAL FILL > 200mm DEEP
	EXISTING STRUCTURAL FILL > 200mm DEEP
	CUT > 200mm DEEP
	DIRECTION OF FALL
	OVERLAND FLOW
	GRADED IN DIRECTION OF FALL TO LEVEL INDICATED
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	EXISTING TREE TO BE RETAINED
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH
	PROPOSED INDUSTRIAL DRIVEWAY
	PROPOSED SHARED FOOTPATH
	PROPOSED ROAD PAVING
	EXISTING ROAD PAVING

WARNING

BEWARE OF UNDERGROUND SERVICES

The locations 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.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management ISO 9001 Global-Mark.com.au® | OHS Management AS/NZS 4801 Global-Mark.com.au® | Environmental Management ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q
PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 5 10 20
Scale 1:500
SCALE AS SHOWN AT A1

N

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Layout Plan - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-112	03 of 30	4

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-112.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:07:22 PM

REFER SHEET TOP RIGHT FOR CONTINUATION

NOTES

1. 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPM'S AT MAX 6m SPACING.
2. RRPMs TO BE IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL MANUAL VOL 2.
3. ALL LINEMARKING & SIGNAGE TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations 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.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management ISO 9001 Global-Mark.com.au® | OHS Management AS/NZS 4801 Global-Mark.com.au® | Environmental Management ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

AS CONSTRUCTED

0 5 10 20
Scale 1:500
SCALE AS SHOWN AT A1

N

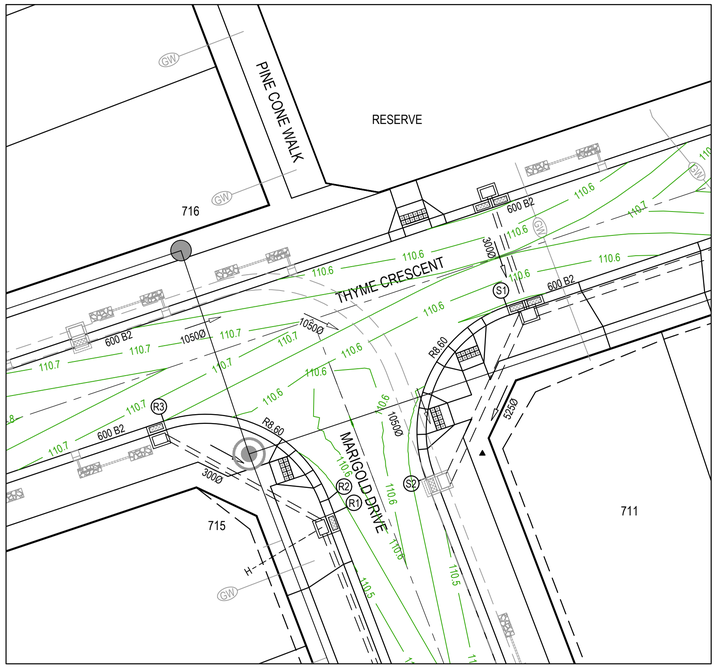
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

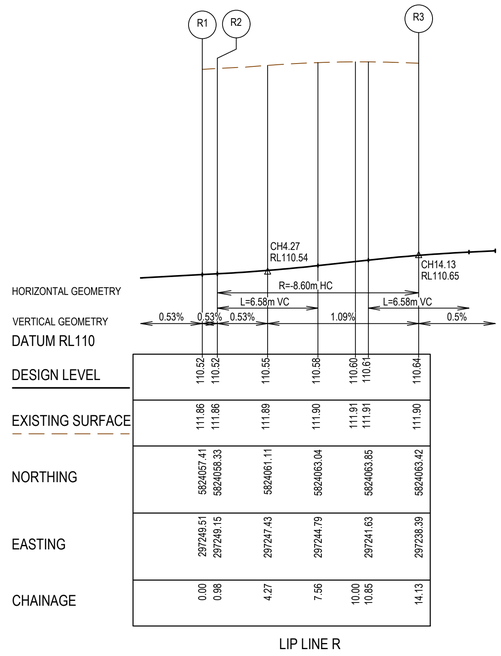
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Signage & Linemarking Plan

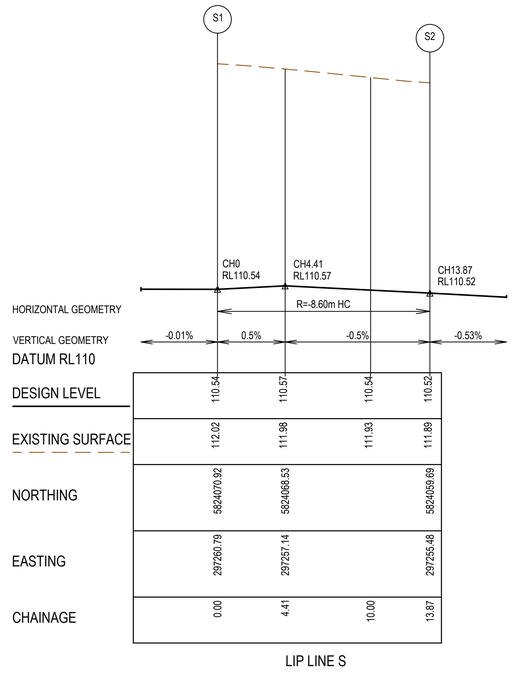
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-171	04 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-171.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:08:13 PM



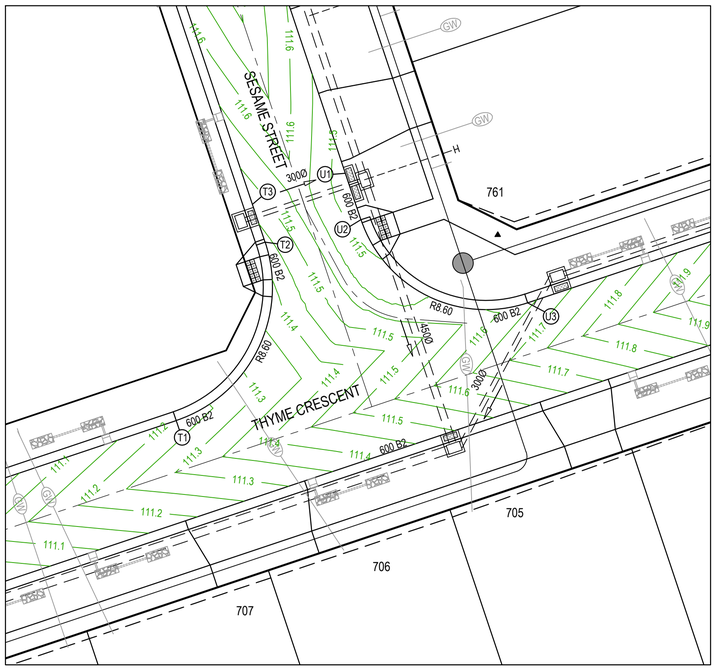


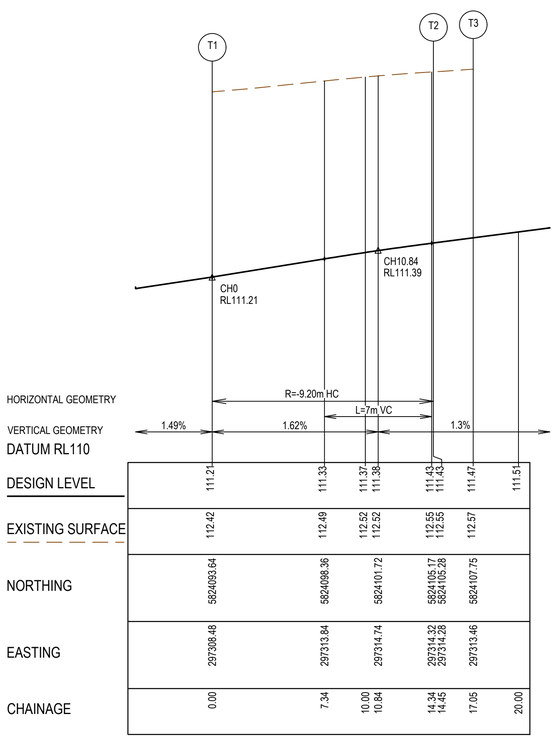
LIP LINE R



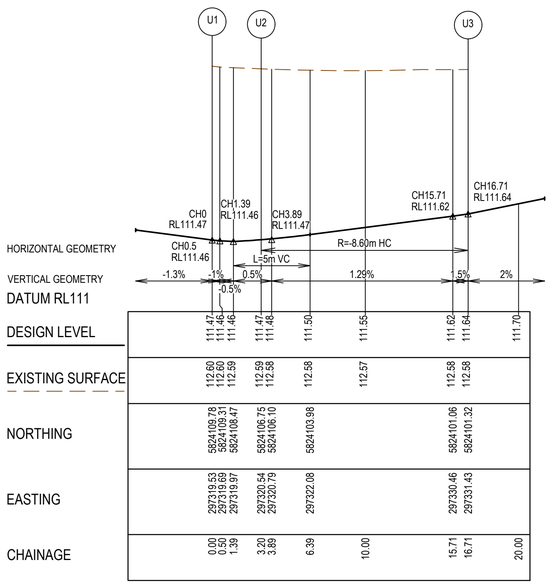
LIP LINE S

LEGEND - INTERSECTION DETAIL PLAN ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
	EXISTING SEWER & MAINTENANCE STRUCTURES
	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SEWER & MAINTENANCE STRUCTURES
	FUTURE HOUSE DRAIN
	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH





LIP LINE T



LIP LINE U

NOTES
1. ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
2. ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
3. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management ISO 9001 Global-Mark.com.au® | OHS Management AS/NZS 4801 Global-Mark.com.au® | Environmental Management ISO 14001 Global-Mark.com.au®

AS CONSTRUCTED

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

0 2 4 8
0 0.2 0.4 0.8
Scale H1:200, V1:20
0 2 4 8
Scale 1:200
SCALE AS SHOWN AT A1

N

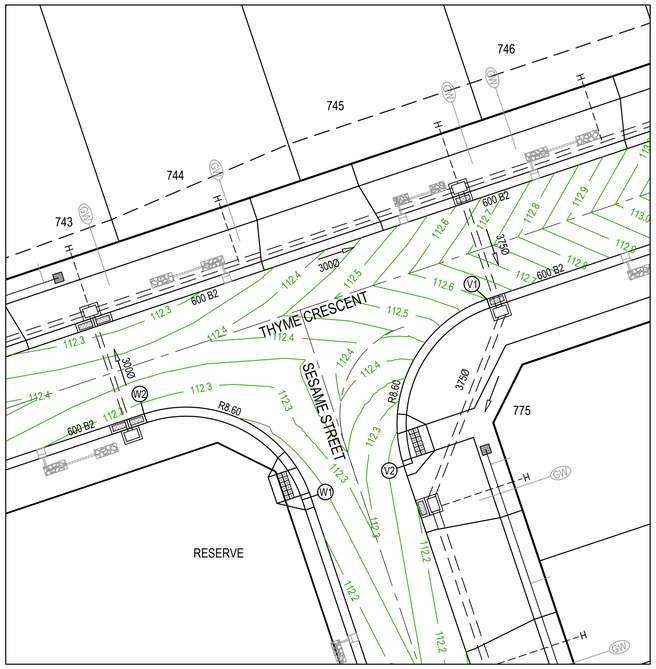
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

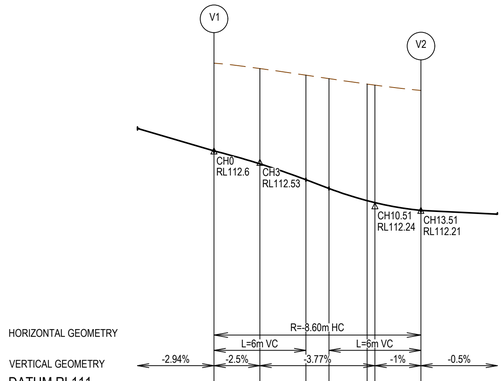
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Intersection Detail Plan &
Lip Profiles - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-181	05 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-181.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:09:05 PM





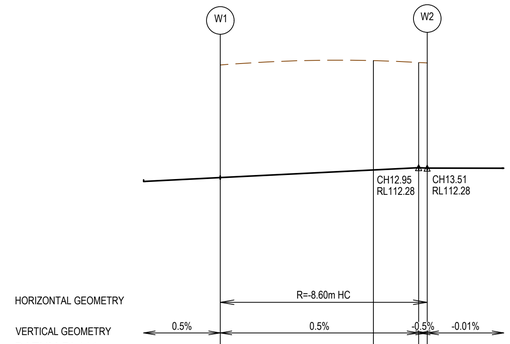
HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL111

DESIGN LEVEL	112.60	112.52	112.41	112.36	112.28 112.26	112.21
EXISTING SURFACE	113.17	113.14	113.10	113.07	113.04 113.03	113.00
NORTHING	5824246.50	5824245.07	5824242.84	5824241.49	5824238.56	5824235.61
EASTING	297282.81	297280.19	297278.21	297277.54	297276.95	297277.39
CHAINAGE	0.00	3.00	6.00	7.51	10.00 10.51	13.51

LIP LINE V



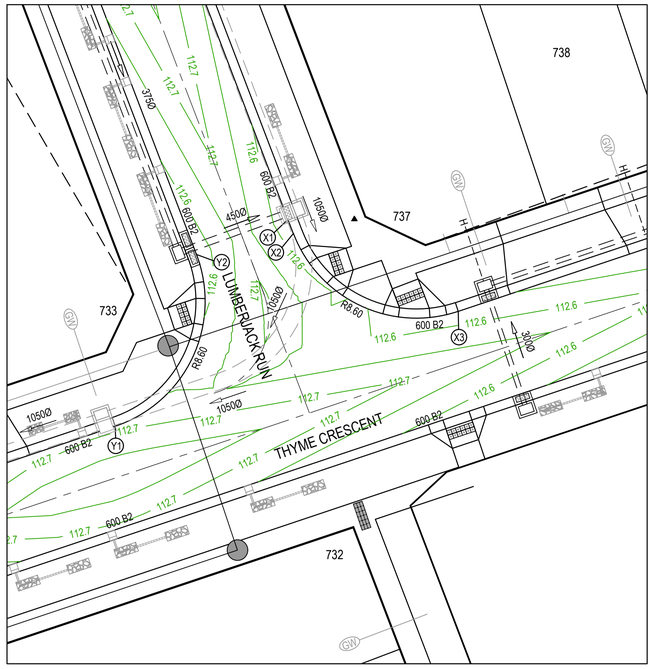
HORIZONTAL GEOMETRY

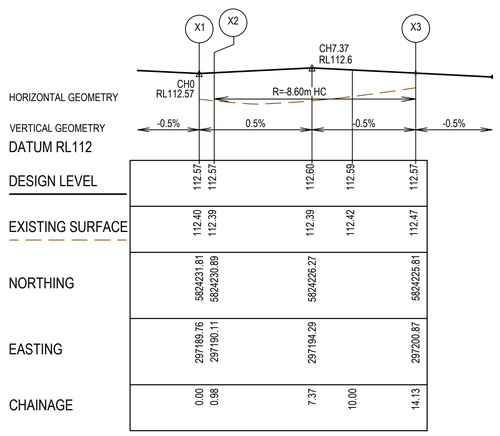
VERTICAL GEOMETRY

DATUM RL111

DESIGN LEVEL	112.21	112.26	112.28 112.28
EXISTING SURFACE	112.95	112.98	112.97 112.96
NORTHING	5824233.58		5824239.16 5824239.00
EASTING	297271.32		297260.97 297260.44
CHAINAGE	0.00	10.00	12.95 13.51

LIP LINE W





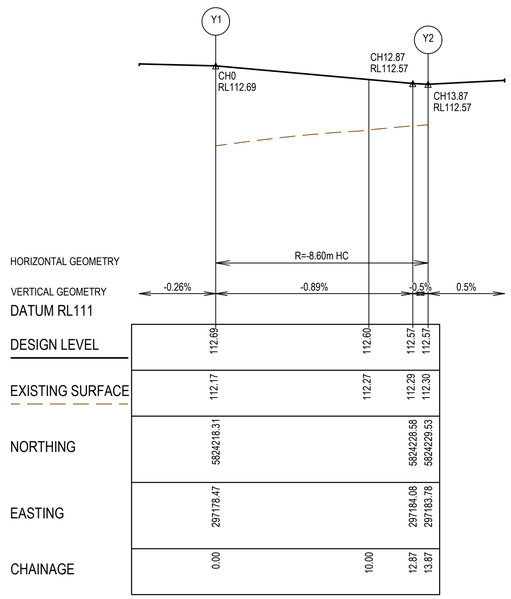
HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL112

DESIGN LEVEL	112.57 112.57		112.60	112.59	112.57
EXISTING SURFACE	112.40 112.39		112.39	112.42	112.47
NORTHING	5824231.81 5824230.89		5824226.27		5824225.81
EASTING	297189.76 297190.11		297194.29		297200.87
CHAINAGE	0.00 0.98		7.37	10.00	14.13

LIP LINE X



HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL111

DESIGN LEVEL	112.69	112.60	112.57	112.57
EXISTING SURFACE	112.17	112.27	112.29	112.30
NORTHING	5824218.31		5824228.58	5824229.53
EASTING	297178.47		297184.08	297183.78
CHAINAGE	0.00	10.00	12.87	13.87

LIP LINE Y

LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
S	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
GWR	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
GWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
H	FUTURE HOUSE DRAIN
GWR	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

NOTES

1. ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
2. ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
3. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 2 4 8
0 0.2 0.4 0.8
Scale H1:200, V1:20
0 2 4 8
Scale 1:200
SCALE AS SHOWN AT A1

N

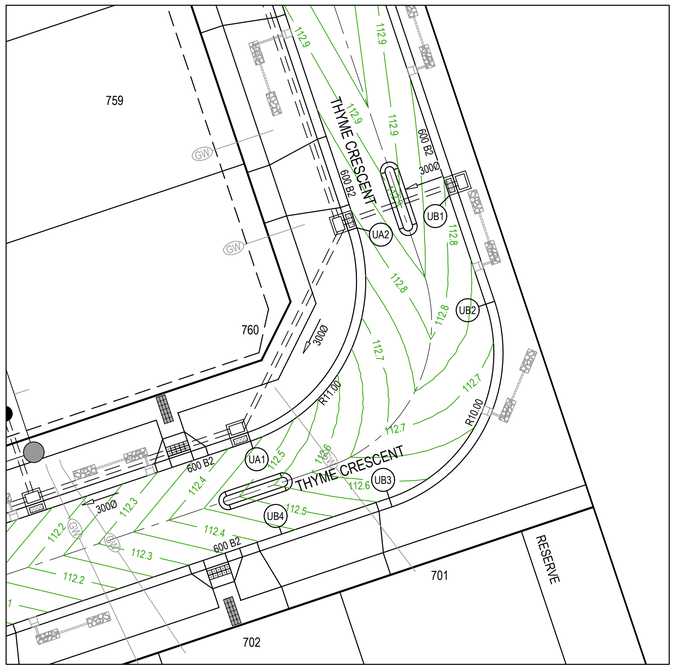
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

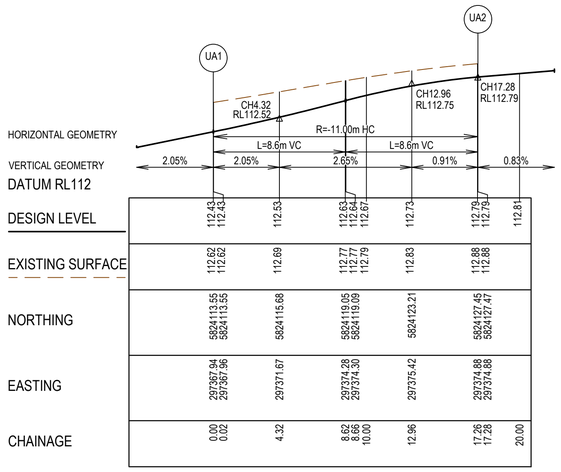
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Intersection Detail Plan & Lip Profiles - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-182	06 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-182.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:09:49 PM





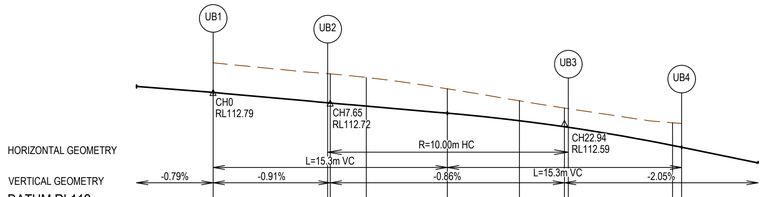
HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL112

DESIGN LEVEL	112.43 112.43	112.53	112.63 112.64 112.67	112.73	112.79 112.79	112.81	
EXISTING SURFACE	112.02 112.02	112.69	112.77 112.77 112.79	112.83	112.88 112.88		
NORTHING	5824113.55 5824113.55	5824115.68	5824119.05 5824119.09	5824123.21	5824127.45 5824127.47		
EASTING	297367.94 297367.96	297371.67	297374.28 297374.30	297375.42	297374.88 297374.88		
CHAINAGE	0.00 0.02	4.32	8.62 8.66 10.00	12.96	17.26 17.28	20.00	

LIP LINE UA



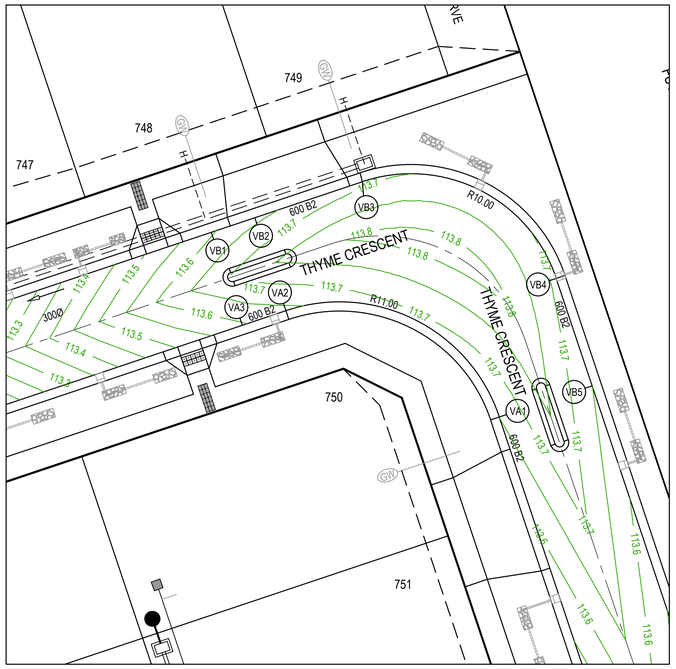
HORIZONTAL GEOMETRY

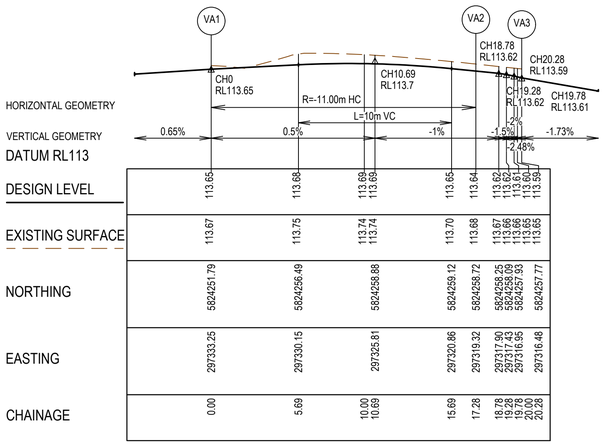
VERTICAL GEOMETRY

DATUM RL112

DESIGN LEVEL	112.79	112.72 112.72	112.70	112.65	112.61	112.57 112.56	112.44 112.43
EXISTING SURFACE	112.98	112.91 112.91	112.89	112.81	112.74	112.69 112.68	112.59 112.59
NORTHING	5824129.58	5824122.49 5824122.33		5824114.89		5824109.91 5824109.83	5824107.48
EASTING	297380.92	297383.30 297383.35		297382.78		297377.22 297376.99	297369.97
CHAINAGE	0.00	7.48 7.65	10.00	15.30	20.00	22.94 23.19	30.00 30.59

LIP LINE UB





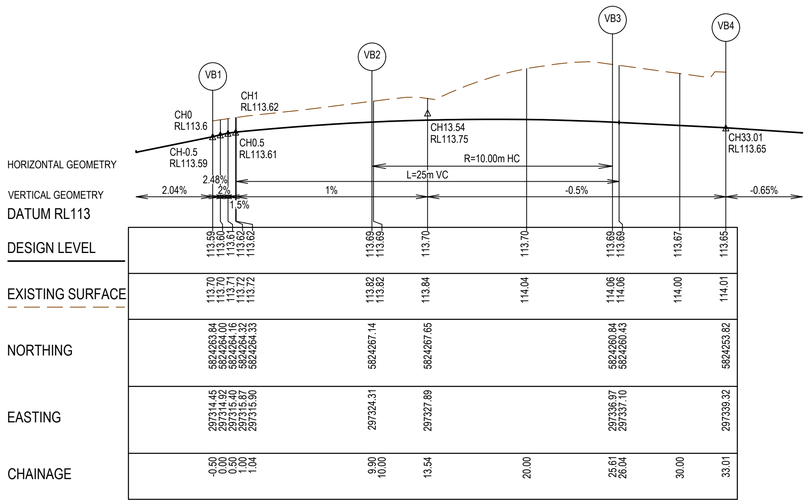
HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL113

DESIGN LEVEL	113.65	113.68	113.69 113.69	113.65	113.64	113.62 113.62 113.60 113.59		
EXISTING SURFACE	113.67	113.75	113.74 113.74	113.70	113.68	113.67 113.66 113.65 113.65		
NORTHING	5824251.79	5824256.49	5824258.88	5824259.12	5824258.72	5824258.25 5824258.09 5824257.93	5824257.77	
EASTING	297333.25	297330.15	297325.81	297320.86	297319.32	297317.90 297317.43 297316.95	297316.48	
CHAINAGE	0.00	5.69	10.00 10.69	15.69	17.28	18.78 19.28 19.78	20.00 20.28	

LIP LINE VA



HORIZONTAL GEOMETRY

VERTICAL GEOMETRY

DATUM RL113

DESIGN LEVEL	113.58 113.58 113.61 113.62	113.69 113.69	113.70	113.70	113.69 113.69	113.67	113.65	
EXISTING SURFACE	113.70 113.70 113.71 113.72	113.82 113.82	113.84	114.04	114.06 114.06	114.00	114.01	
NORTHING	5824263.84 5824264.00 5824264.16 5824264.32 5824264.33	5824267.14	5824267.65		5824260.84 5824260.43		5824253.82	
EASTING	297314.45 297314.90 297315.40 297315.87 297315.90	297324.31	297327.89		297336.97 297337.10		297339.32	
CHAINAGE	-0.50 -0.50 0.00 0.50 1.00 1.04	9.90 10.00	13.54	20.00	25.61 26.04	30.00	33.01	

LIP LINE VB

LEGEND - INTERSECTION DETAIL PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
S	SEWER & MAINTENANCE STRUCTURES
H	HOUSE DRAIN
SWR	SERVICE CONDUITS
	TACTILE PAVERS
	EXISTING STORMWATER DRAIN
	EXISTING MAIN DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
SWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
H	FUTURE HOUSE DRAIN
SWR	FUTURE SERVICE CONDUITS
	FUTURE TACTILE PAVERS
	EXISTING RETAINING WALL
	RETAINING WALL
	FUTURE RETAINING WALL
	EDGE STRIP, SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY & FOOTPATH

NOTES

1. ALL VEHICLE CROSSINGS AND PRAM CROSSINGS TO BE MINIMUM OF 0.75m FROM PITS.
2. ALL PRAM CROSSINGS TO BE MINIMUM OF 2.0m FROM VEHICLE CROSSINGS.
3. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF THE LANDSCAPE WORKS.

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au®
OHS Management - AS/NZS 4801 Global-Mark.com.au®
Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 2 4 8
0 0.2 0.4 0.8
Scale H1:200, V1:20
0 2 4 8
Scale 1:200
SCALE AS SHOWN AT A1

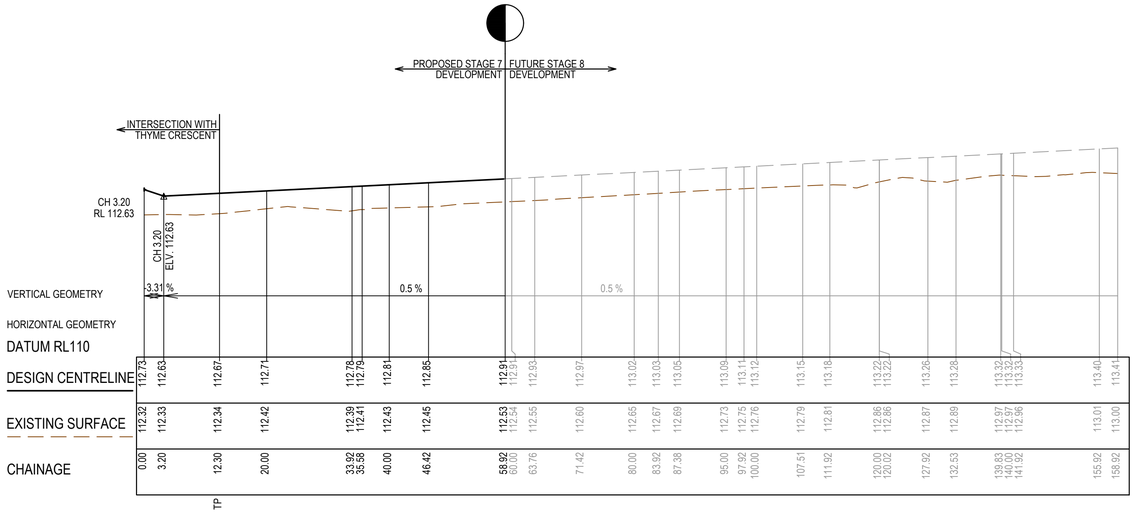
N

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

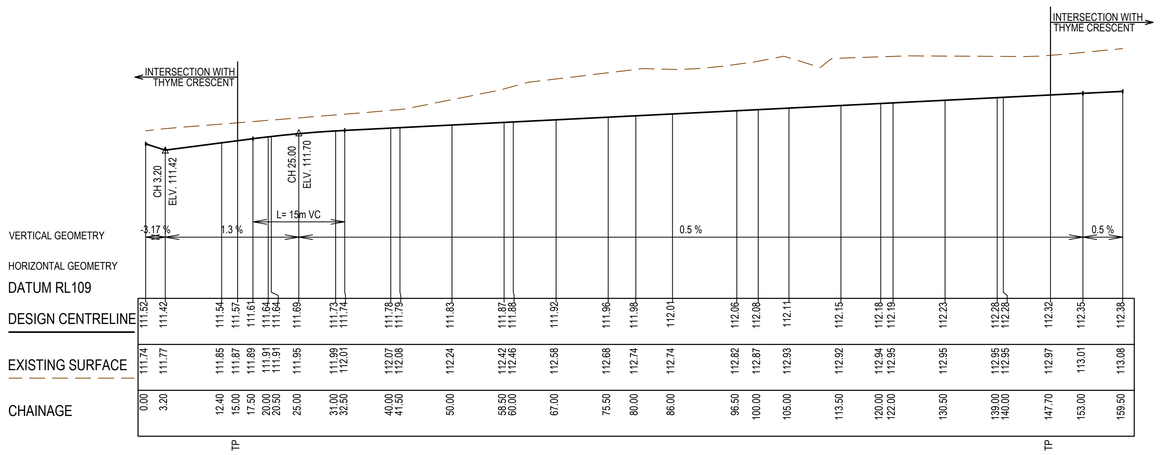
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Intersection Detail Plan & Lip Profiles - 3

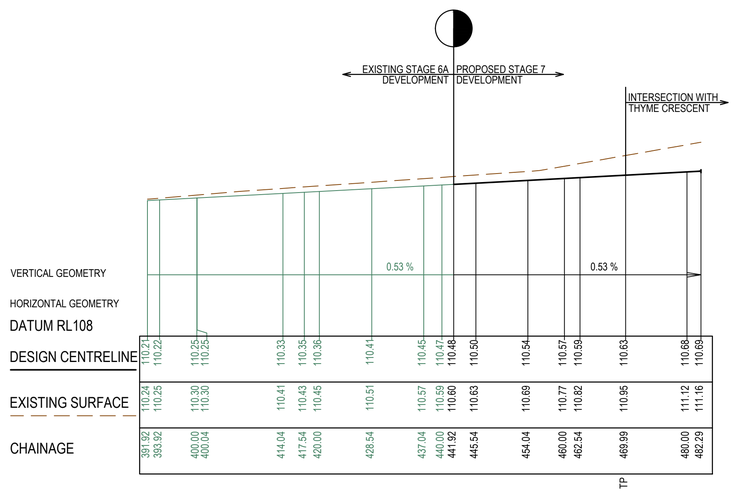
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-183	07 of 30	1



LUMBERJACK RUN LONGITUDINAL SECTION



SESAME STREET LONGITUDINAL SECTION



MARIGOLD DRIVE LONGITUDINAL SECTION

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

AS CONSTRUCTED

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

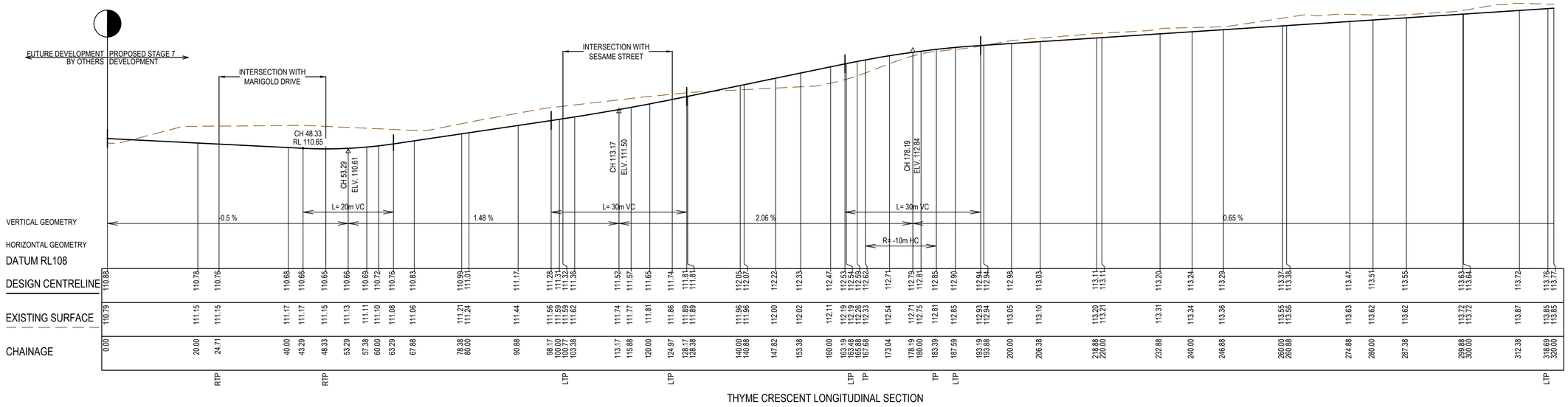
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

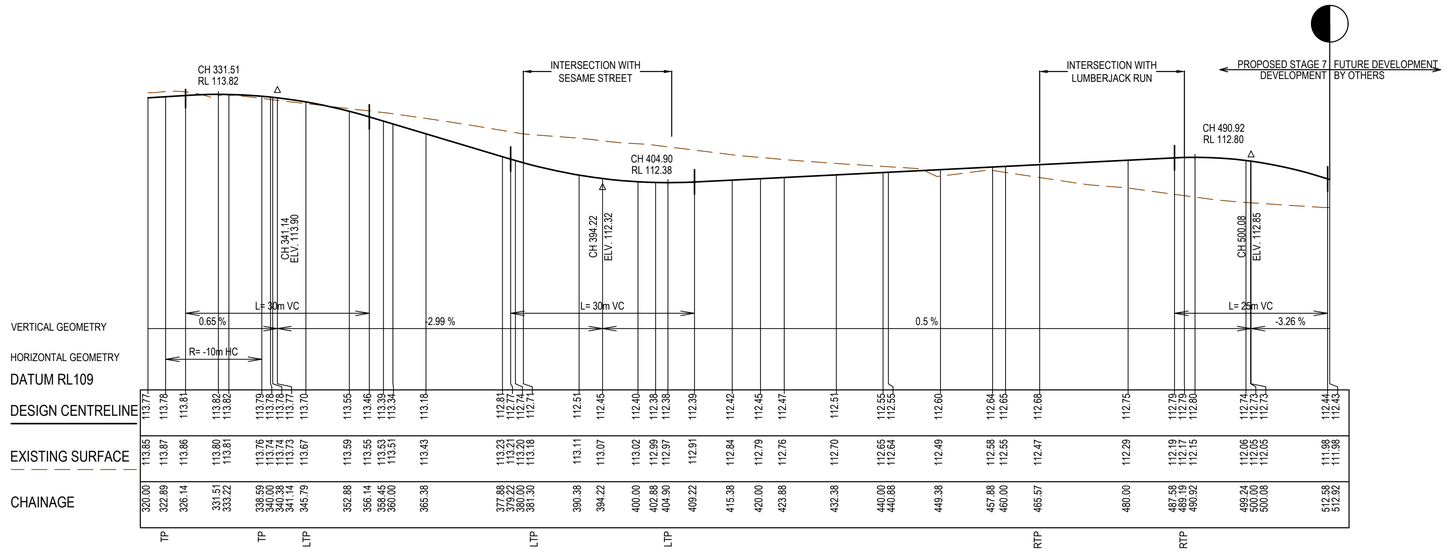
Botania - Stage 7
Melton City Council
Road and Drainage
Longitudinal Sections - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-201	08 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-201.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:11:17 PM



THYME CRESCENT LONGITUDINAL SECTION



THYME CRESCENT LONGITUDINAL SECTION

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 0.5 1 2 5 10 20
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

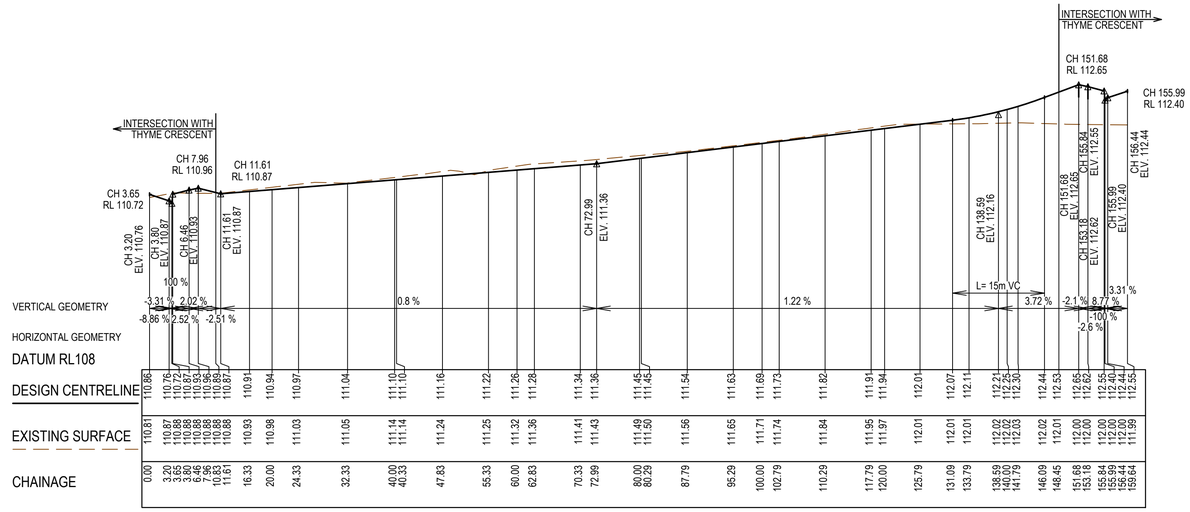
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

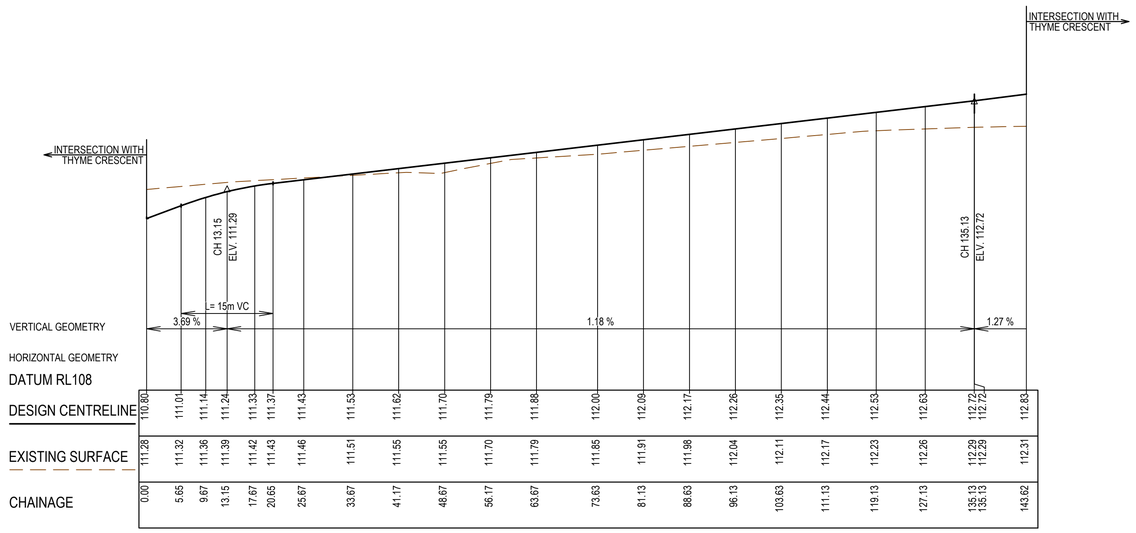
Botania - Stage 7
Melton City Council
Road and Drainage
Longitudinal Sections - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-202	09 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-202.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:11:50 PM



SPIDER FLOWER LANE LONGITUDINAL SECTION



PINE CONE WALK LONGITUDINAL SECTION

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® | OHS Management - AS/NZS 4801 Global-Mark.com.au® | Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

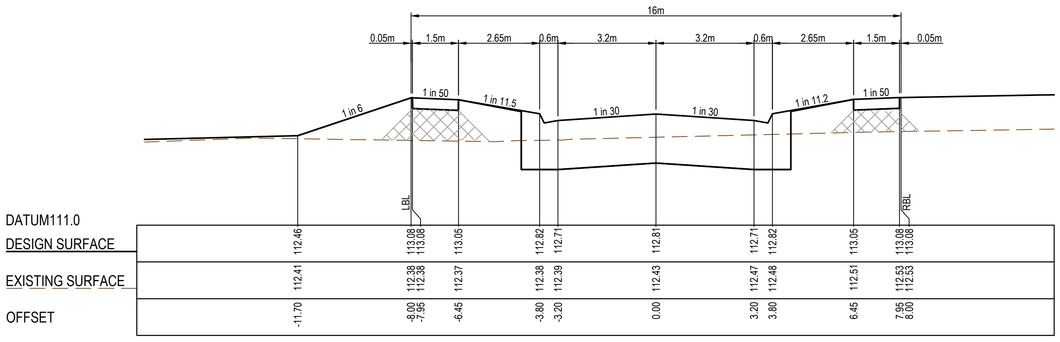
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Longitudinal Sections - 3

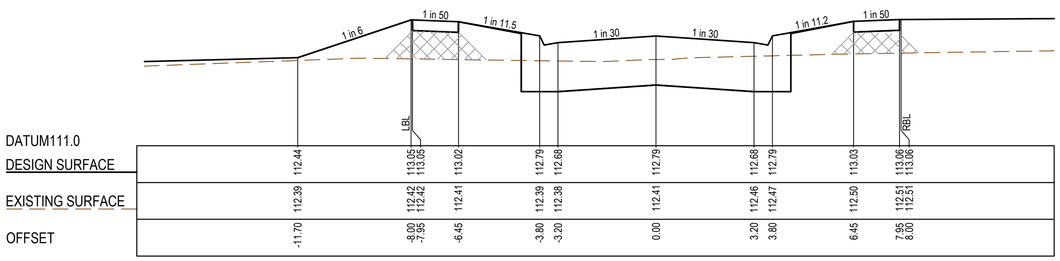
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-203	10 of 30	1

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



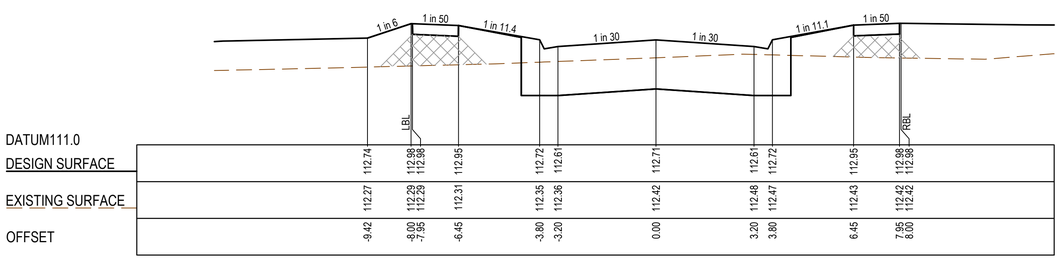
DATUM111.0												
DESIGN SURFACE	112.46	113.08	113.08	113.05	112.82	112.71	112.81	112.71	112.82	113.05	113.08	113.08
EXISTING SURFACE	112.41	112.38	112.38	112.37	112.38	112.39	112.43	112.47	112.48	112.51	112.53	112.53
OFFSET	-11.70	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 40.00



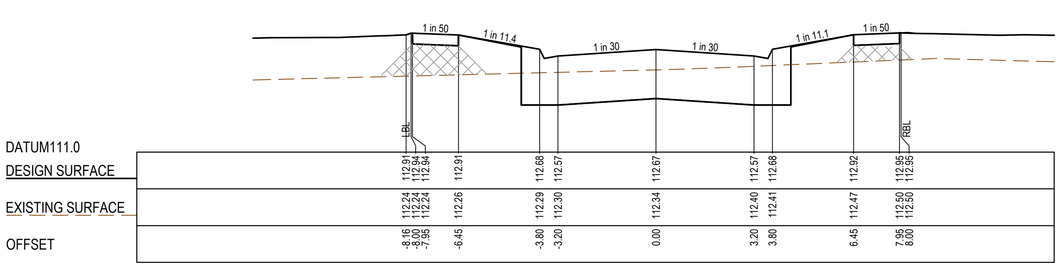
DATUM111.0												
DESIGN SURFACE	112.44	113.05	113.05	113.02	112.79	112.68	112.79	112.68	112.79	113.03	113.06	113.06
EXISTING SURFACE	112.39	112.42	112.42	112.41	112.39	112.38	112.41	112.46	112.47	112.50	112.51	112.51
OFFSET	-11.70	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 35.58



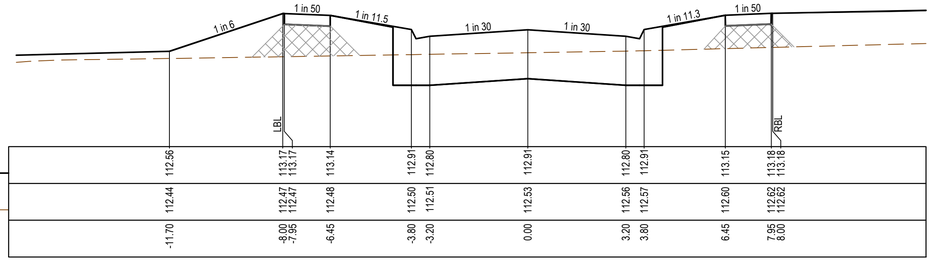
DATUM111.0												
DESIGN SURFACE	112.74	112.88	112.88	112.95	112.72	112.61	112.71	112.61	112.72	112.95	112.88	112.88
EXISTING SURFACE	112.27	112.29	112.29	112.31	112.35	112.36	112.42	112.48	112.47	112.43	112.42	112.42
OFFSET	-9.42	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 20.00



DATUM111.0												
DESIGN SURFACE	112.91	112.94	112.94	112.91	112.68	112.57	112.67	112.57	112.68	112.92	112.95	112.95
EXISTING SURFACE	112.24	112.24	112.24	112.26	112.29	112.30	112.34	112.40	112.41	112.47	112.50	112.50
OFFSET	-8.16	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

TPCH 12.30



DATUM111.0												
DESIGN SURFACE	112.56	113.17	113.17	113.14	112.91	112.80	112.91	112.80	112.91	113.15	113.18	113.18
EXISTING SURFACE	112.44	112.47	112.47	112.48	112.50	112.51	112.53	112.56	112.57	112.60	112.62	112.62
OFFSET	-11.70	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 58.92

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® | OHS Management - AS/NZS 4801 Global-Mark.com.au® | Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

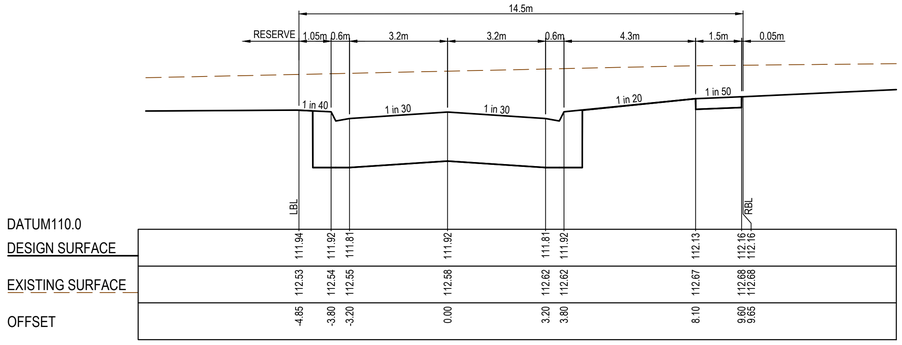
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Lumberjack Run

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-251	11 of 30	1

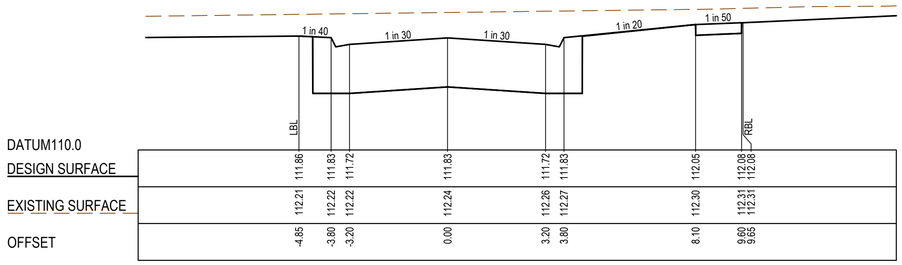
DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-251.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:13:03 PM

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



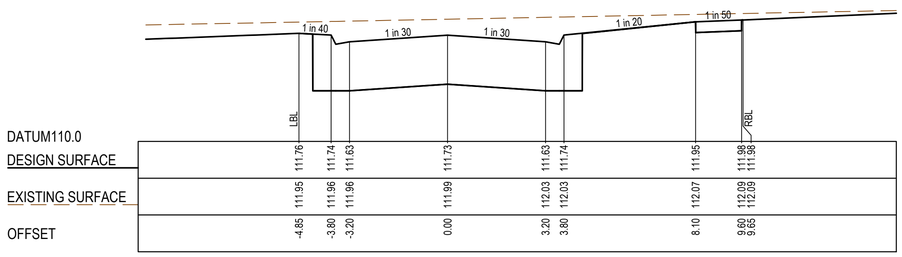
	LBL						RBL
DATUM110.0							
DESIGN SURFACE	111.94	111.92	111.81	111.92	111.81	111.92	112.13	112.16	112.16
EXISTING SURFACE	112.53	112.54	112.55	112.58	112.62	112.62	112.67	112.68	112.68
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

CH 67.00



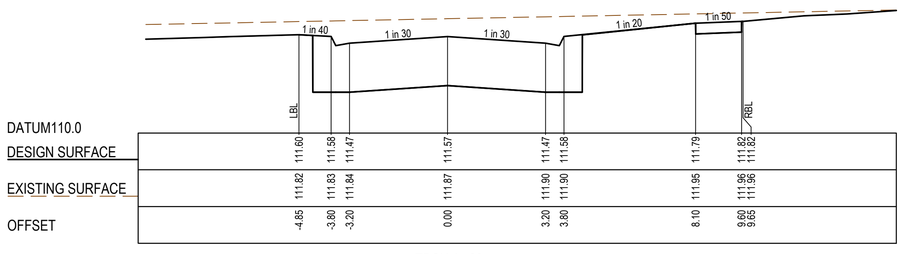
	LBL						RBL
DATUM110.0							
DESIGN SURFACE	111.86	111.83	111.72	111.83	111.72	111.83	112.05	112.08	112.08
EXISTING SURFACE	112.21	112.22	112.22	112.24	112.26	112.27	112.30	112.31	112.31
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

CH 50.00



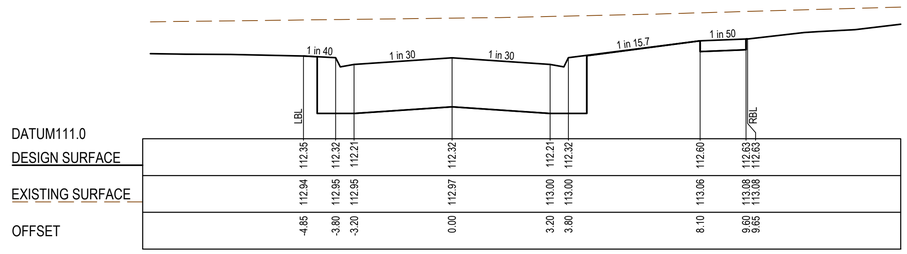
	LBL						RBL
DATUM110.0							
DESIGN SURFACE	111.76	111.74	111.63	111.73	111.63	111.74	111.95	111.98	111.98
EXISTING SURFACE	111.95	111.96	111.96	111.99	112.03	112.03	112.07	112.09	112.09
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

CH 31.00



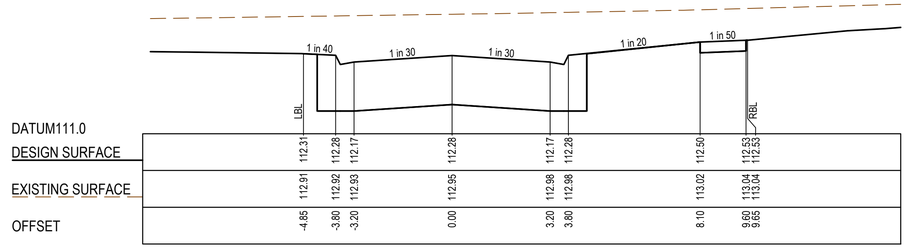
	LBL						RBL
DATUM110.0							
DESIGN SURFACE	111.60	111.58	111.47	111.57	111.47	111.58	111.79	111.82	111.82
EXISTING SURFACE	111.82	111.83	111.84	111.87	111.90	111.90	111.95	111.96	111.96
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

TPCH 15.00



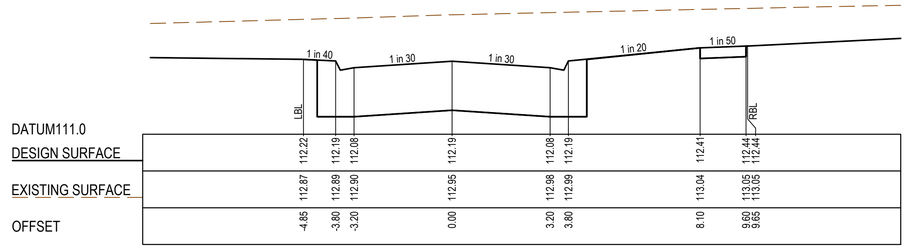
	LBL						RBL
DATUM111.0							
DESIGN SURFACE	112.35	112.32	112.21	112.32	112.21	112.32	112.60	112.63	112.63
EXISTING SURFACE	112.94	112.95	112.95	112.97	113.00	113.00	113.06	113.08	113.08
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

TPCH 147.70



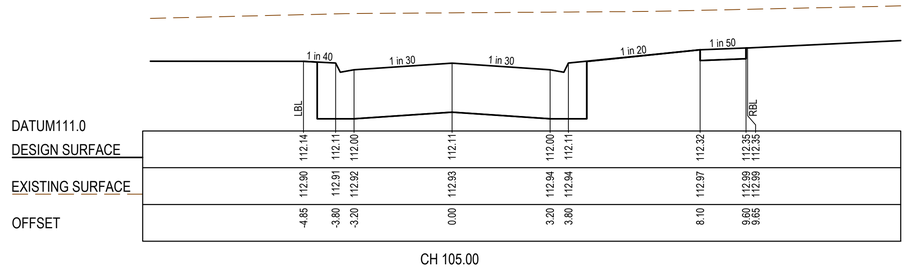
	LBL						RBL
DATUM111.0							
DESIGN SURFACE	112.31	112.28	112.17	112.28	112.17	112.28	112.50	112.53	112.53
EXISTING SURFACE	112.91	112.92	112.93	112.95	112.98	112.98	113.02	113.04	113.04
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

CH 139.00



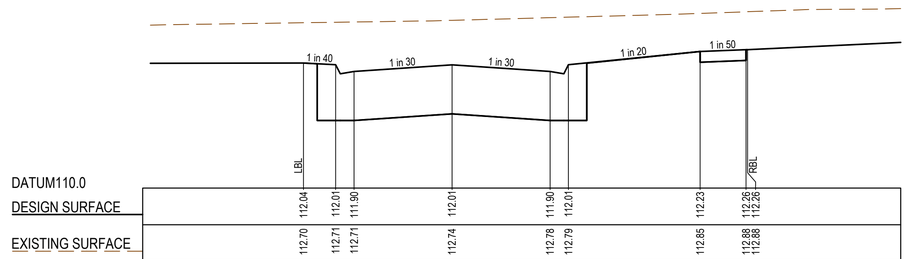
	LBL						RBL
DATUM111.0							
DESIGN SURFACE	112.22	112.19	112.08	112.19	112.08	112.19	112.41	112.44	112.44
EXISTING SURFACE	112.87	112.89	112.90	112.95	112.98	112.99	113.04	113.05	113.05
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

CH 122.00



	LBL						RBL
DATUM111.0							
DESIGN SURFACE	112.14	112.11	112.00	112.11	112.00	112.11	112.32	112.35	112.35
EXISTING SURFACE	112.90	112.91	112.92	112.93	112.94	112.94	112.97	112.99	112.99
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

CH 105.00



	LBL						RBL
DATUM110.0							
DESIGN SURFACE	112.04	112.01	111.90	112.01	111.90	112.01	112.23	112.26	112.26
EXISTING SURFACE	112.70	112.71	112.71	112.74	112.78	112.79	112.85	112.88	112.88
OFFSET	-4.85	-3.80	-3.20	0.00	3.20	3.80	8.10	9.60	9.65

CH 86.00

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

AS CONSTRUCTED

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

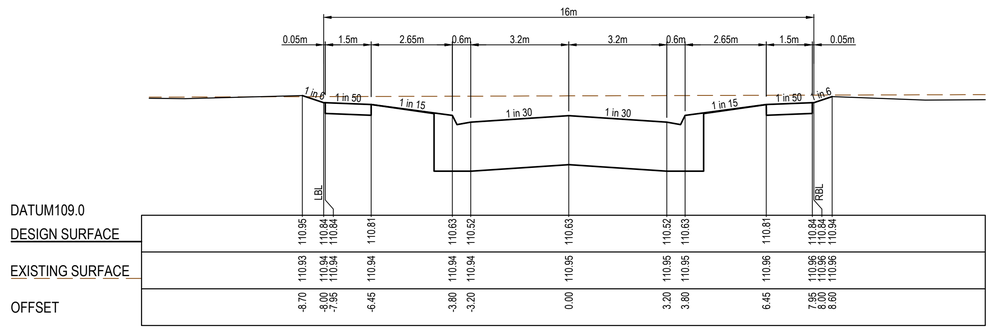
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

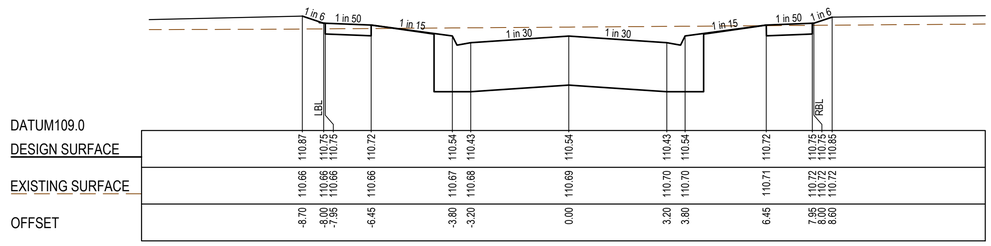
Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Sesame Street

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-252	12 of 30	1

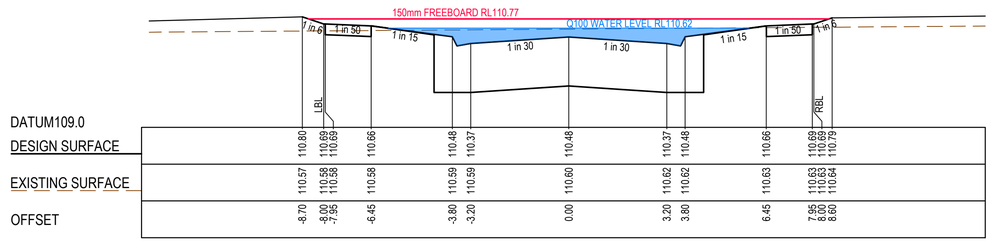
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



TPCH 469.99



CH 454.04



CH 441.92

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

AS CONSTRUCTED

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

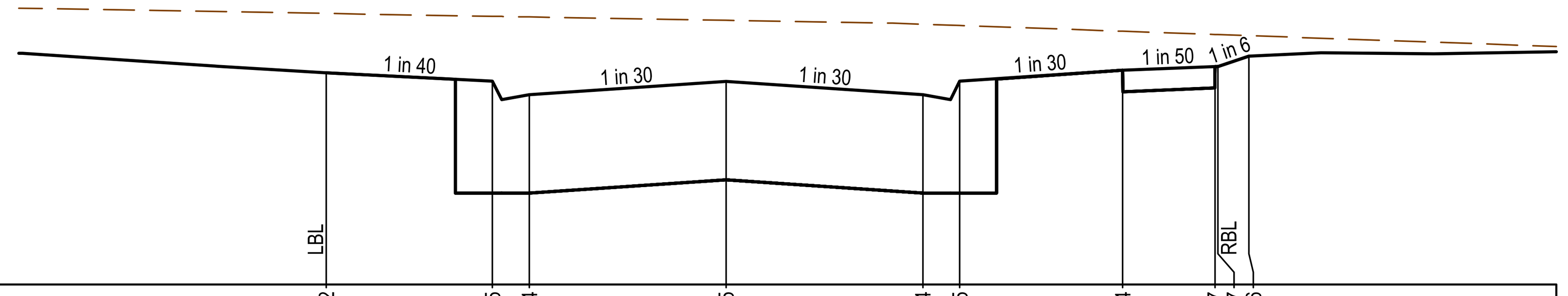
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Marigold Drive

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-253	13 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-253.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:14:32 PM

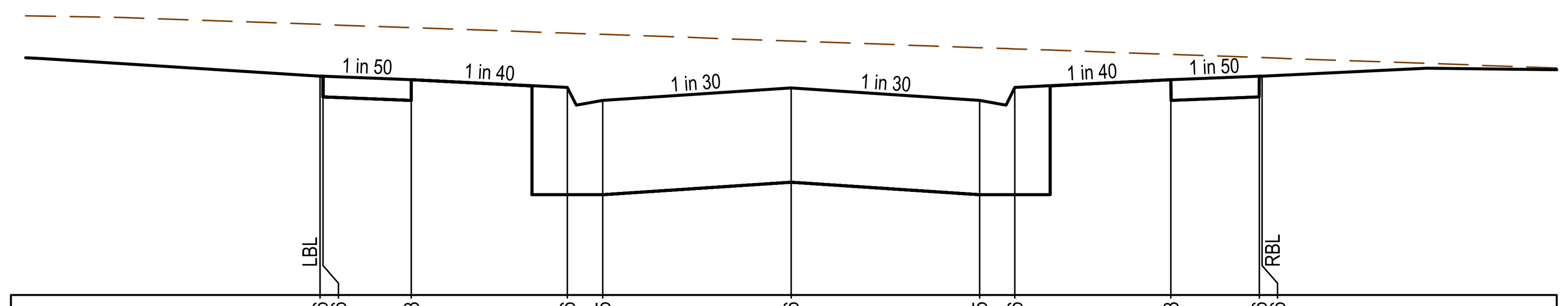
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



DATUM109.0

DESIGN SURFACE	110.72	110.65	110.54	110.65	110.54	110.65	110.74	110.77	110.77	110.86
EXISTING SURFACE	111.20	111.18	111.18	111.15	111.12	111.11	111.06	111.03	111.03	111.02
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.50

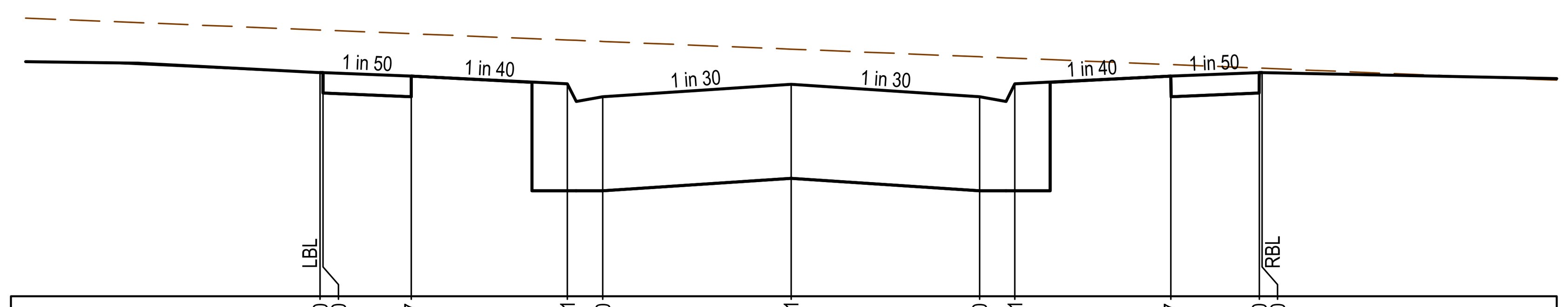
RTPCH 48.33



DATUM109.0

DESIGN SURFACE	110.86	110.86	110.83	110.76	110.65	110.76	110.65	110.76	110.83	110.86	110.86
EXISTING SURFACE	111.30	111.29	111.27	111.22	111.21	111.15	111.10	111.09	111.04	111.01	111.01
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

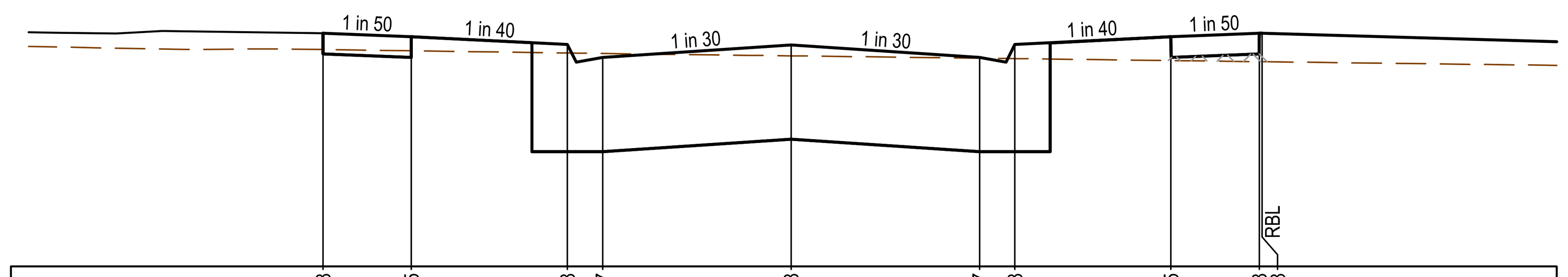
RTPCH 24.71



DATUM109.0

DESIGN SURFACE	110.90	110.90	110.87	110.81	110.70	110.81	110.70	110.81	110.87	110.90	110.90
EXISTING SURFACE	111.27	111.27	111.24	111.18	111.17	111.10	111.04	111.03	110.97	110.94	110.94
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

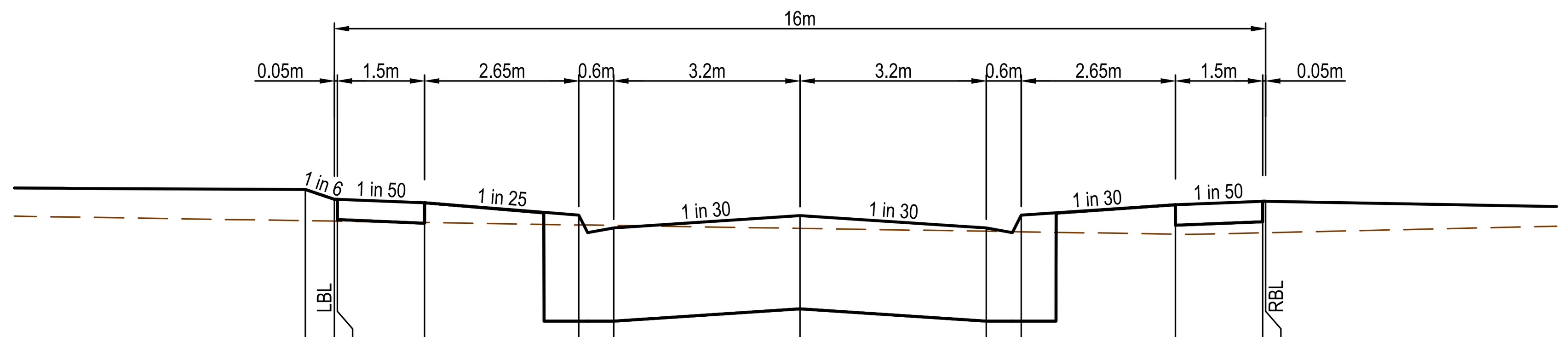
CH 15.00



DATUM109.0

DESIGN SURFACE	110.98	110.95	110.88	110.77	110.88	110.77	110.88	110.95	110.98	110.98
EXISTING SURFACE	110.84	110.83	110.81	110.81	110.79	110.77	110.76	110.75	110.74	110.74
OFFSET	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

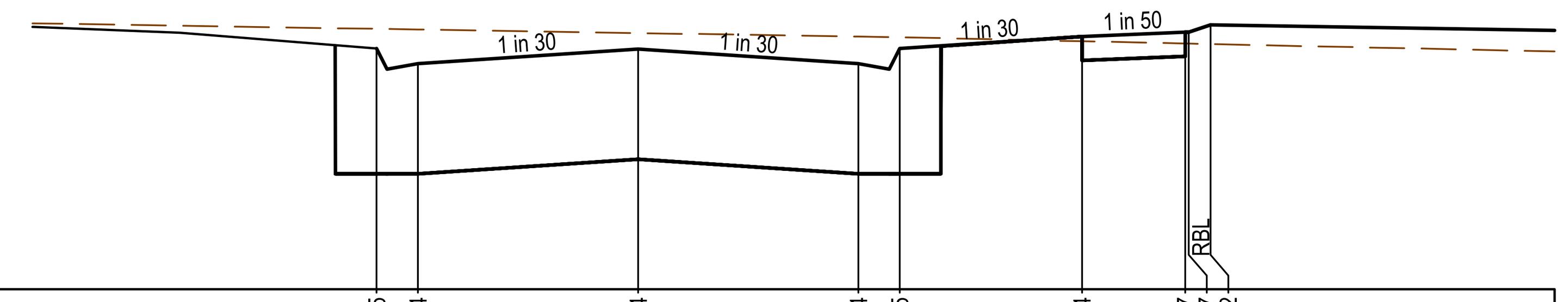
CH 0.00



DATUM111.0

DESIGN SURFACE	112.29	112.21	112.21	112.18	112.08	111.97	112.07	111.97	112.08	112.16	112.19	112.19
EXISTING SURFACE	112.03	112.02	112.02	112.01	111.99	111.99	111.96	111.94	111.93	111.91	111.92	111.92
OFFSET	-8.50	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

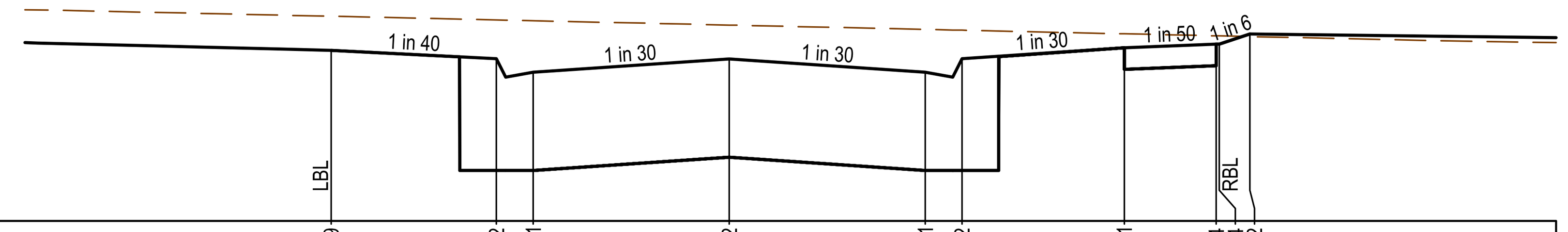
CH 140.88



DATUM110.0

DESIGN SURFACE	111.75	111.64	111.74	111.64	111.75	111.84	111.87	111.87	111.92
EXISTING SURFACE	111.89	111.89	111.86	111.83	111.83	111.80	111.78	111.78	111.78
OFFSET	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.32

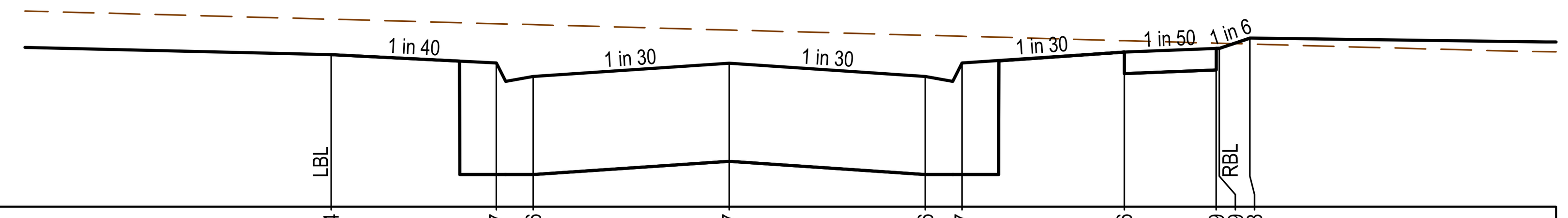
LTPCH 124.97



DATUM110.0

DESIGN SURFACE	111.39	111.32	111.21	111.32	111.21	111.32	111.41	111.44	111.44	111.52
EXISTING SURFACE	111.67	111.64	111.63	111.59	111.56	111.55	111.52	111.51	111.51	111.50
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.50

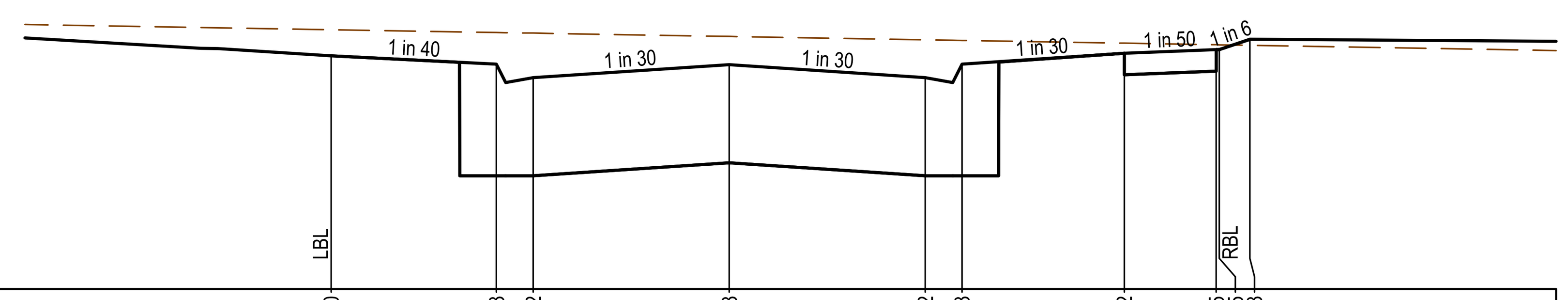
LTPCH 100.77



DATUM110.0

DESIGN SURFACE	111.24	111.17	111.06	111.17	111.06	111.17	111.26	111.29	111.29	111.38
EXISTING SURFACE	111.53	111.49	111.49	111.44	111.40	111.39	111.35	111.33	111.33	111.33
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.50

CH 90.88



DATUM109.0

DESIGN SURFACE	110.90	110.83	110.72	110.83	110.72	110.83	110.92	110.95	110.95	111.03
EXISTING SURFACE	111.11	111.09	111.09	111.06	111.03	111.03	111.00	110.99	110.99	110.99
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.50

CH 67.88

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management · ISO 9001 · Global-Mark.com.au®
OHS Management · AS/NZS 4801 · Global-Mark.com.au®
Environmental Management · ISO14001 · Global-Mark.com.au®

AS CONSTRUCTED

PLAN OF SUB. NO.: PS905185Q
PERMIT REF. NO.: PA2018/6004/1

Scale H1:100, V1:50
SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

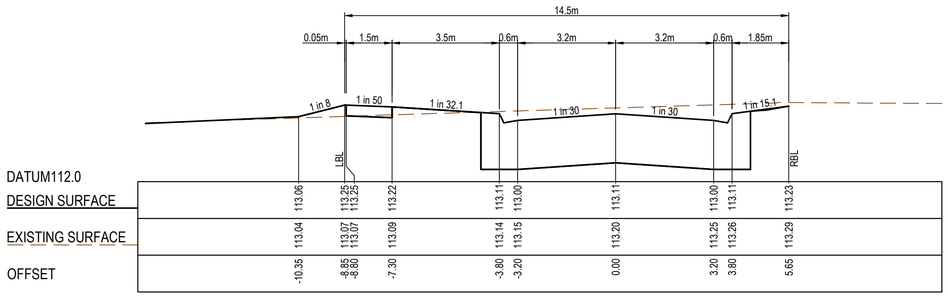
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Thyme Crescent
Ch 0.00 - Ch 140.88

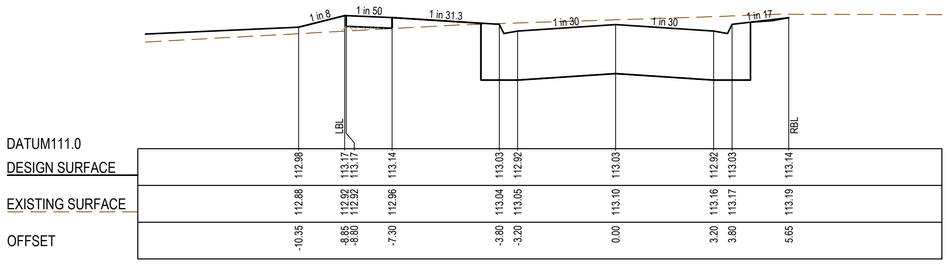
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-254	14 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-254.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:15:13 PM

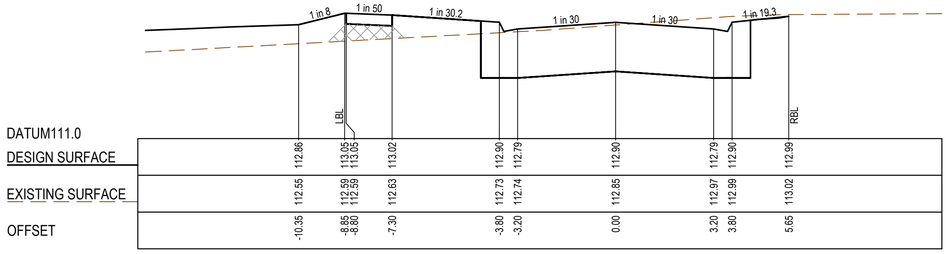
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



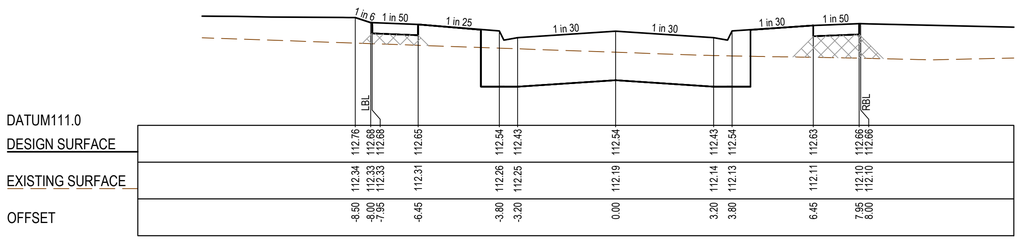
CH 218.88



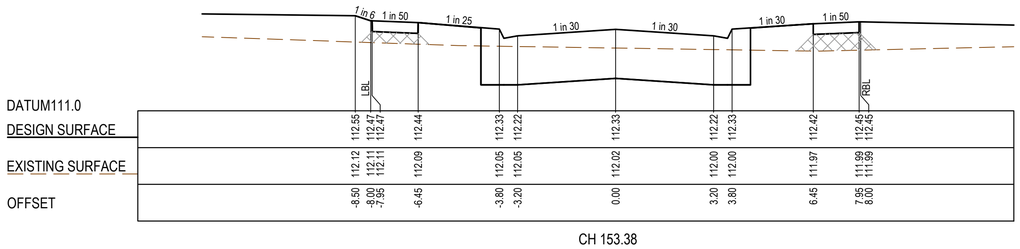
CH 206.38



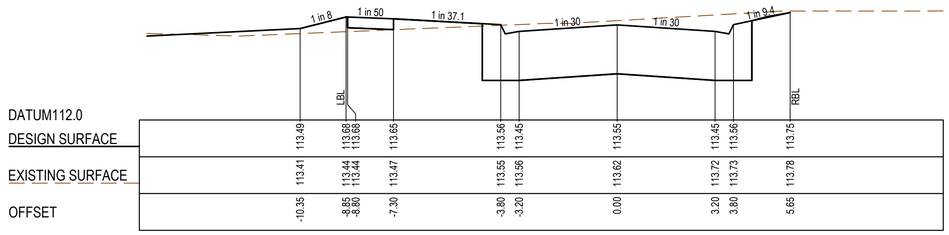
LTPCH 187.59



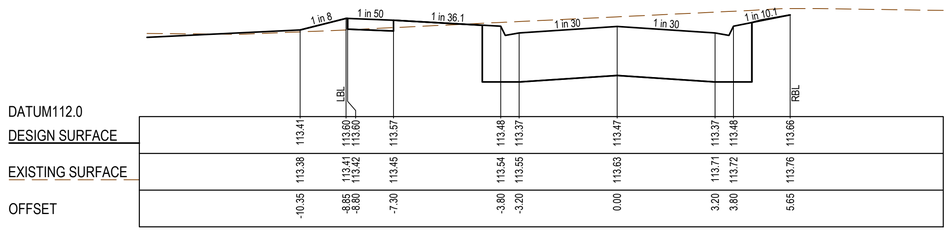
LTPCH 163.48



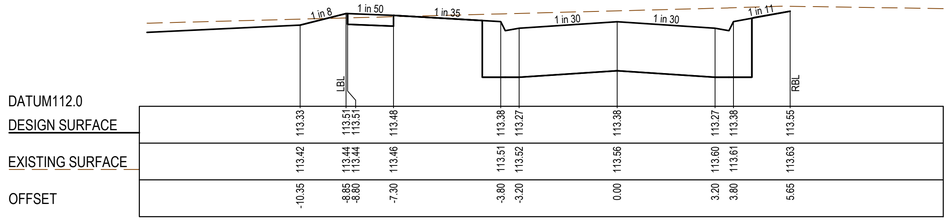
CH 153.38



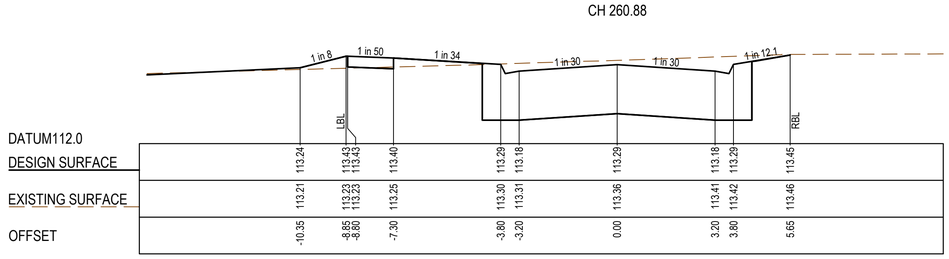
CH 287.38



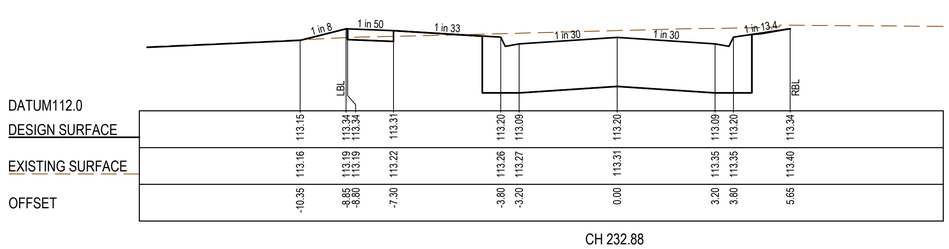
CH 274.88



CH 260.88



CH 246.88



CH 232.88

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® | OHS Management - AS/NZS 4801 Global-Mark.com.au® | Environmental Management - ISO14001 Global-Mark.com.au®

AS CONSTRUCTED

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group

Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

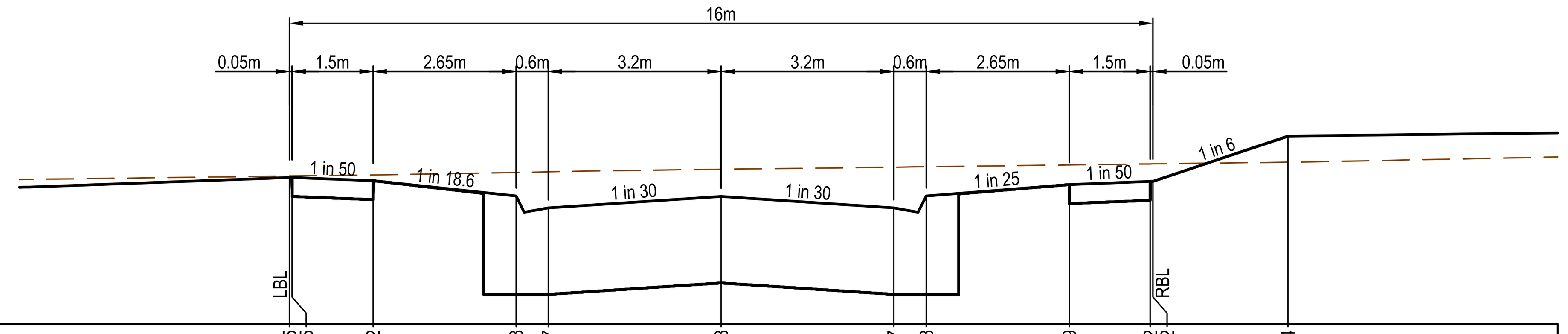
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Thyme Crescent
Ch 153.38 - Ch 287.38

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-255	15 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-255.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:16:04 PM

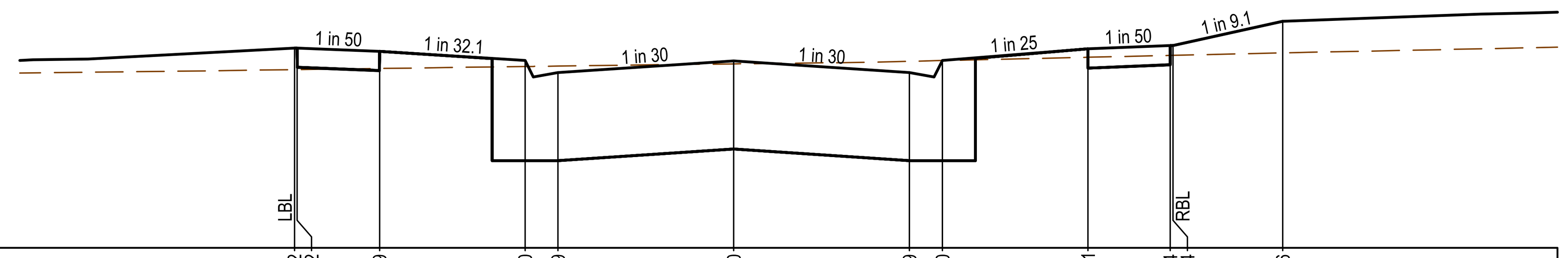
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



DATUM112.0

DESIGN SURFACE	113.35	113.35	113.32	113.18	113.07	113.18	113.07	113.18	113.29	113.32	113.32	113.74
EXISTING SURFACE	113.37	113.37	113.38	113.40	113.41	113.43	113.45	113.45	113.47	113.48	113.48	113.50
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	10.50

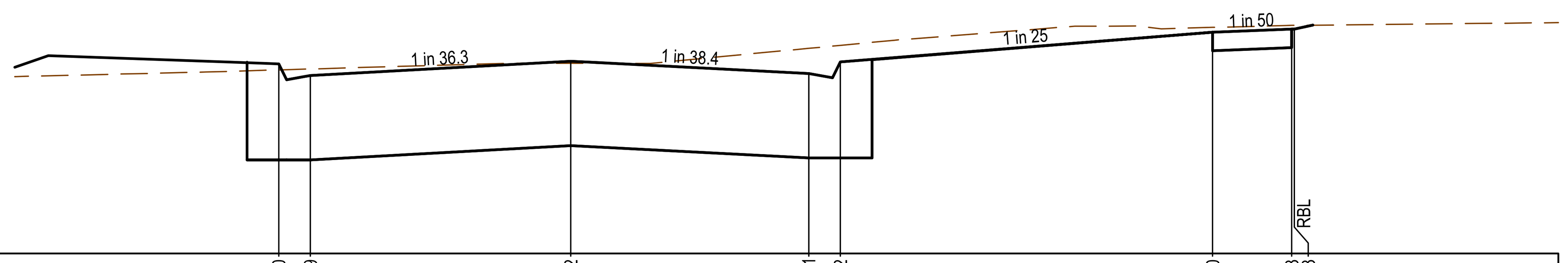
CH 365.38



DATUM112.0

DESIGN SURFACE	113.82	113.82	113.79	113.70	113.59	113.70	113.59	113.70	113.81	113.84	113.84	114.06
EXISTING SURFACE	113.62	113.62	113.63	113.65	113.65	113.67	113.70	113.70	113.73	113.75	113.75	113.77
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	10.00

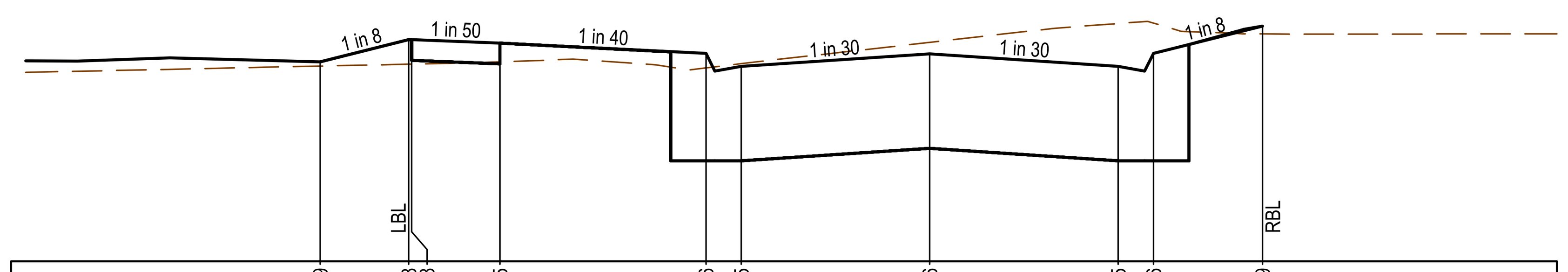
LTPCH 345.79



DATUM112.0

DESIGN SURFACE	113.80	113.69	113.82	113.71	113.82	114.10	114.13	114.13
EXISTING SURFACE	113.74	113.75	113.80	113.94	113.97	114.14	114.16	114.16
OFFSET	-5.53	-4.93	0.00	4.51	5.11	12.15	13.65	13.70

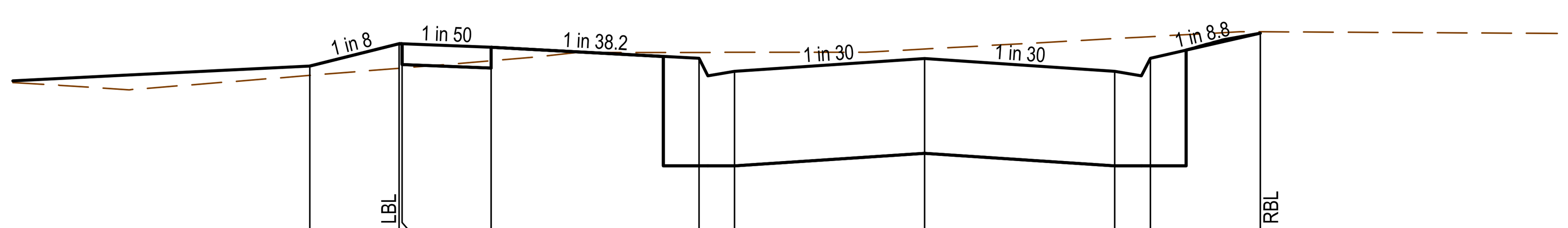
CH 331.51



DATUM112.0

DESIGN SURFACE	113.69	113.88	113.88	113.85	113.76	113.65	113.76	113.65	113.76	113.99
EXISTING SURFACE	113.65	113.67	113.67	113.69	113.64	113.67	113.85	114.01	114.02	113.93
OFFSET	-10.35	-8.85	-8.80	-7.30	-3.80	-3.20	0.00	3.20	3.80	5.65

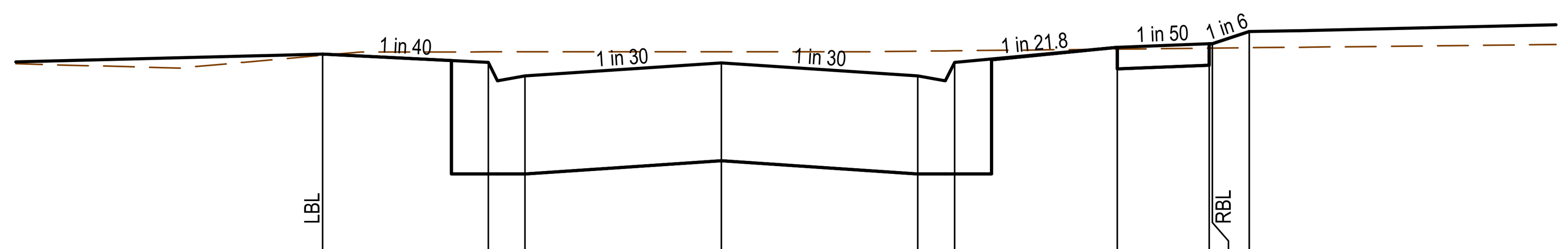
LTPCH 318.69



DATUM112.0

DESIGN SURFACE	113.57	113.76	113.76	113.73	113.64	113.53	113.63	113.53	113.64	113.85
EXISTING SURFACE	113.49	113.55	113.55	113.62	113.69	113.69	113.72	113.80	113.82	113.86
OFFSET	-10.35	-8.85	-8.80	-7.30	-3.80	-3.20	0.00	3.20	3.80	5.65

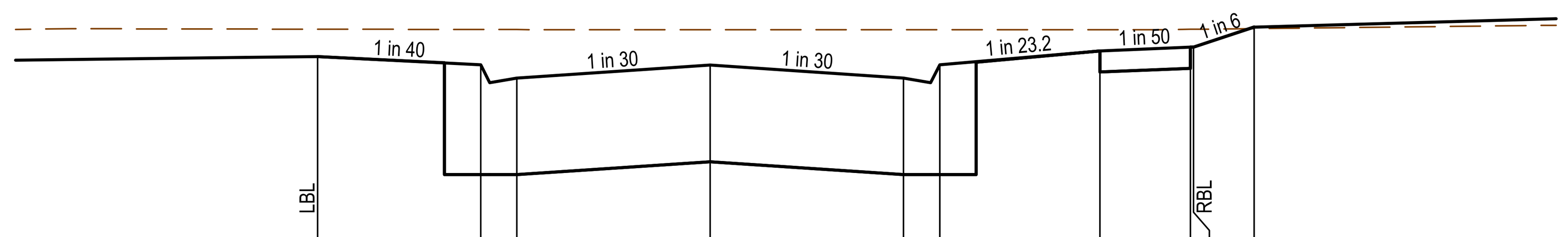
CH 299.88



DATUM111.0

DESIGN SURFACE	112.62	112.56	112.45	112.55	112.45	112.56	112.68	112.71	112.71	112.81
EXISTING SURFACE	112.61	112.64	112.64	112.64	112.65	112.65	112.66	112.67	112.67	112.68
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.60

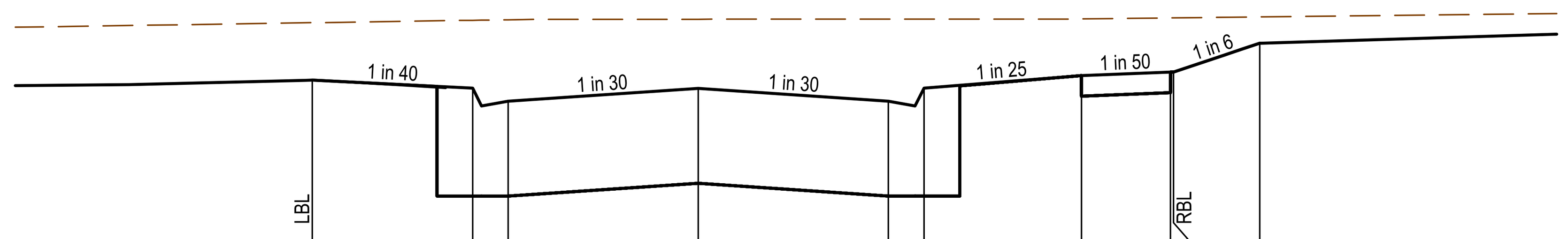
CH 440.88



DATUM111.0

DESIGN SURFACE	112.54	112.47	112.36	112.47	112.36	112.47	112.58	112.61	112.61	112.78
EXISTING SURFACE	112.76	112.76	112.76	112.76	112.76	112.76	112.76	112.76	112.76	112.77
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	9.00

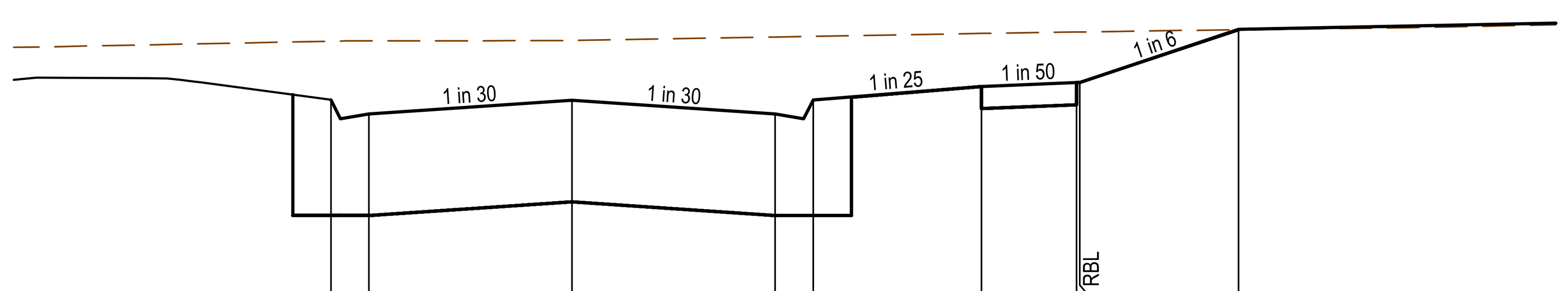
CH 423.88



DATUM111.0

DESIGN SURFACE	112.45	112.39	112.28	112.38	112.28	112.39	112.49	112.52	112.52	112.76
EXISTING SURFACE	112.94	112.96	112.96	112.97	112.97	112.97	112.97	112.98	112.98	112.99
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	9.45

LTPCH 404.90



DATUM111.0

DESIGN SURFACE	112.71	112.60	112.71	112.60	112.71	112.82	112.85	112.85	113.26
EXISTING SURFACE	113.17	113.17	113.18	113.21	113.21	113.23	113.24	113.24	113.26
OFFSET	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	10.50

LTPCH 381.30

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management · ISO 9001 Global-Mark.com.au®
OHS Management · AS/NZS 4801 Global-Mark.com.au®
Environmental Management · ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q
PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

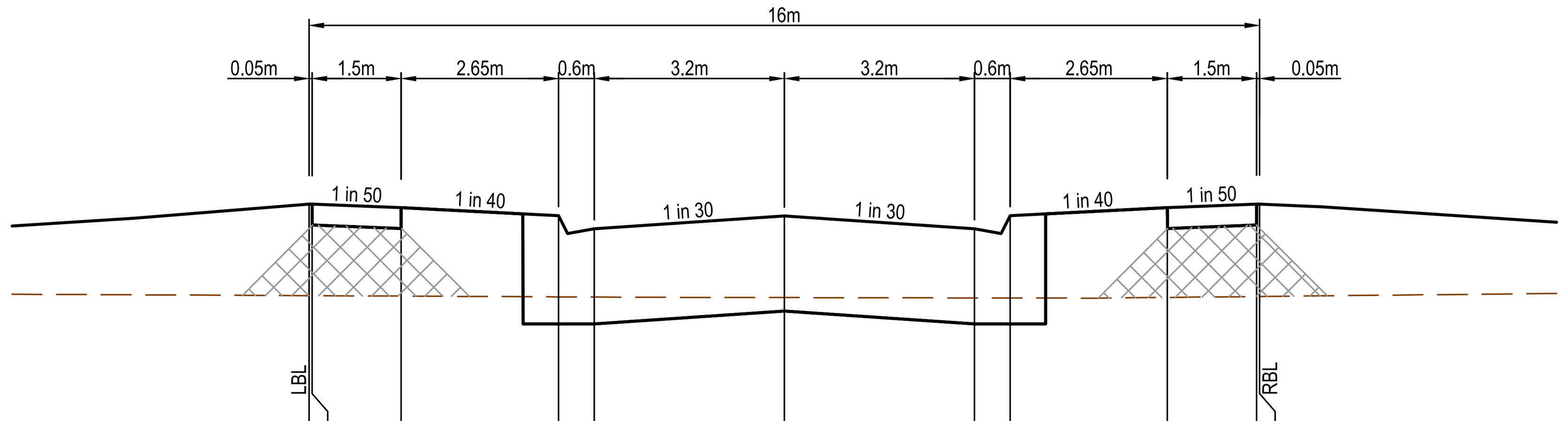
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Thyme Crescent
Ch 299.88 - Ch 440.88

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-256	16 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-256.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:16:42 PM

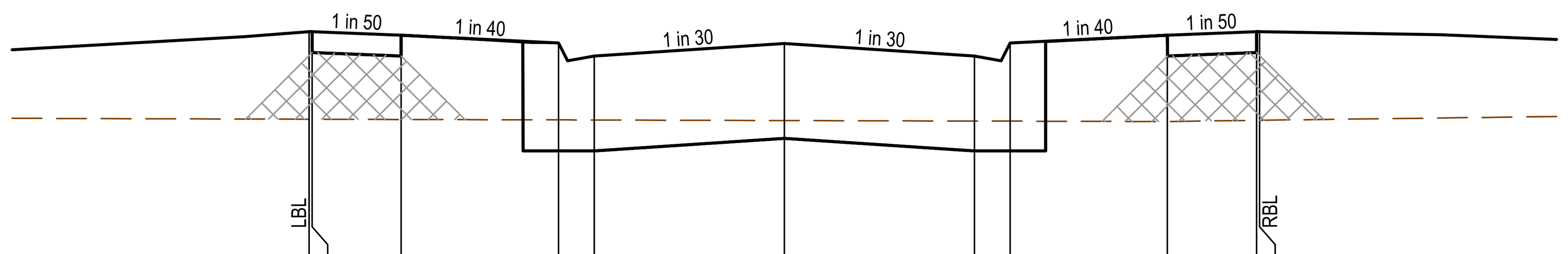
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



DATUM111.0

DESIGN SURFACE	112.84	112.84	112.81	112.75	112.64	112.74	112.64	112.75	112.81	112.84	112.84
EXISTING SURFACE	112.07	112.07	112.07	112.06	112.06	112.06	112.05	112.05	112.06	112.07	112.07
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

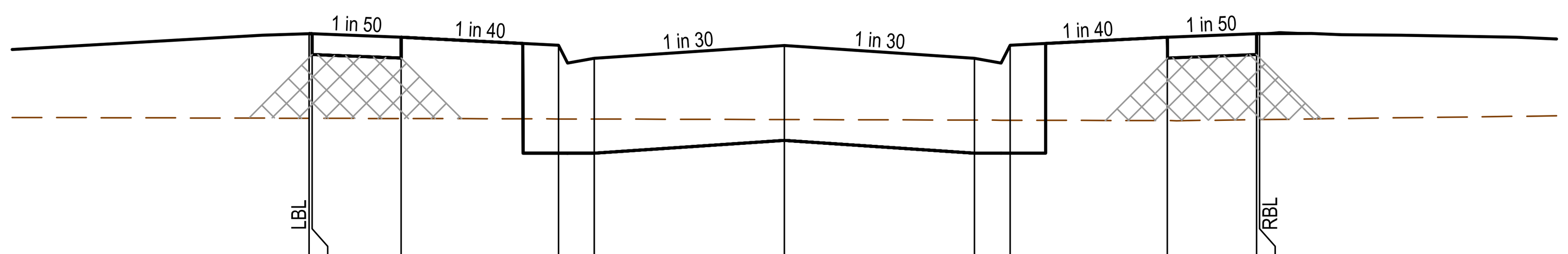
CH 499.24



DATUM111.0

DESIGN SURFACE	112.90	112.90	112.87	112.80	112.69	112.80	112.69	112.80	112.87	112.90	112.90
EXISTING SURFACE	112.16	112.16	112.16	112.15	112.15	112.15	112.14	112.14	112.14	112.15	112.15
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

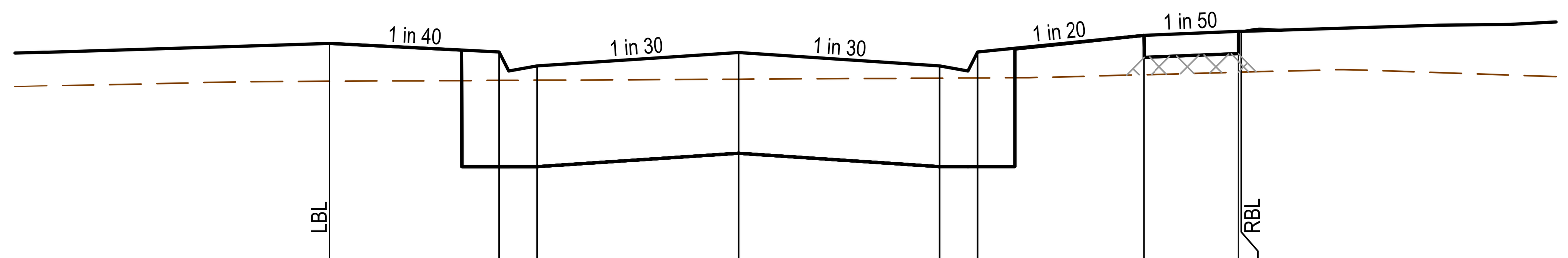
CH 490.92



DATUM111.0

DESIGN SURFACE	112.89	112.89	112.86	112.80	112.69	112.79	112.69	112.80	112.86	112.89	112.89
EXISTING SURFACE	112.18	112.18	112.18	112.17	112.17	112.17	112.17	112.16	112.16	112.17	112.17
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

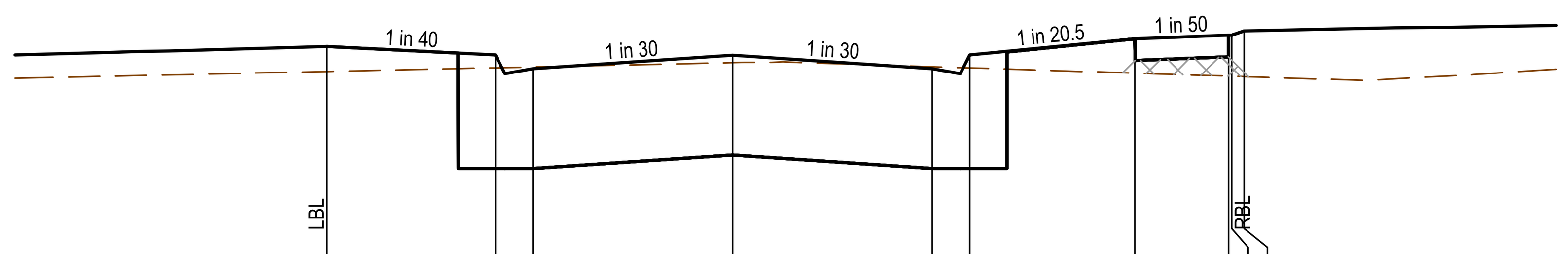
RTPCH 489.19



DATUM111.0

DESIGN SURFACE	112.75	112.68	112.57	112.68	112.57	112.68	112.81	112.84	112.84
EXISTING SURFACE	112.45	112.46	112.46	112.47	112.47	112.48	112.50	112.52	112.52
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

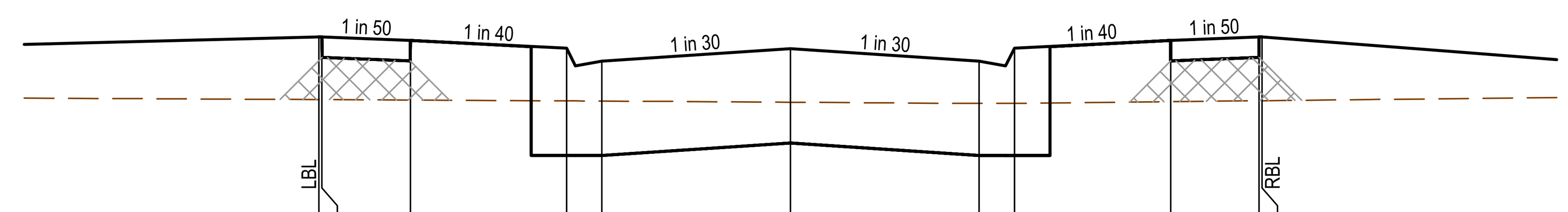
RTPCH 465.57



DATUM111.0

DESIGN SURFACE	112.71	112.64	112.53	112.64	112.53	112.64	112.77	112.80	112.80	112.83
EXISTING SURFACE	112.51	112.54	112.54	112.58	112.55	112.54	112.50	112.47	112.47	112.47
OFFSET	-6.50	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.20

CH 457.88



DATUM111.0

DESIGN SURFACE	112.53	112.53	112.50	112.44	112.33	112.43	112.33	112.44	112.50	112.53	112.53
EXISTING SURFACE	112.00	112.00	112.00	111.99	111.99	111.98	111.97	111.97	111.98	111.99	111.99
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 512.92

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management · ISO 9001 Global-Mark.com.au®
OHS Management · AS/NZS 4801 Global-Mark.com.au®
Environmental Management · ISO14001 Global-Mark.com.au®

AS CONSTRUCTED

PLAN OF SUB. NO. PS905185Q
PERMIT REF. NO. PA2018/6004/1

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group
ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

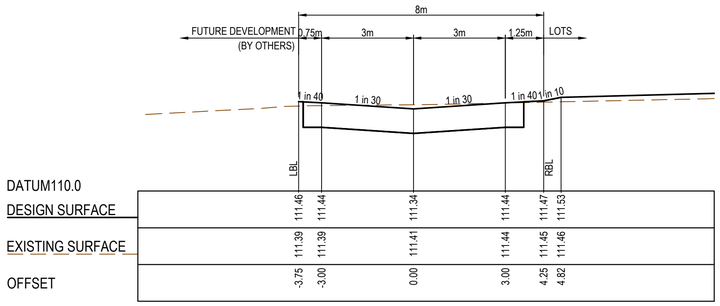
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Thyme Crescent
Ch 457.88 - Ch 512.92

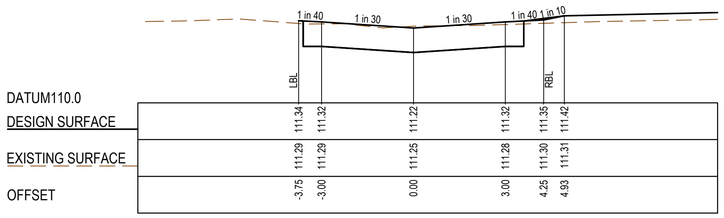
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-257	17 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-257.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:17:28 PM

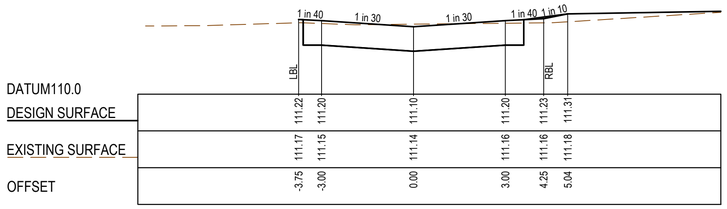
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



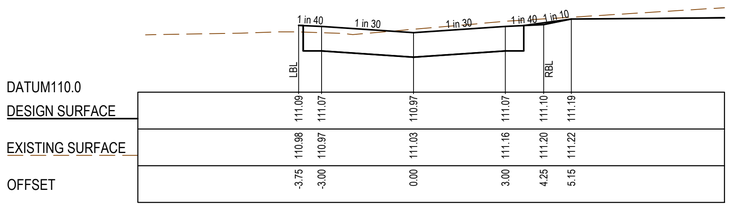
CH 70.33



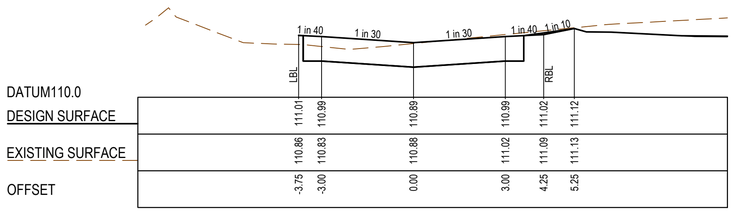
CH 55.33



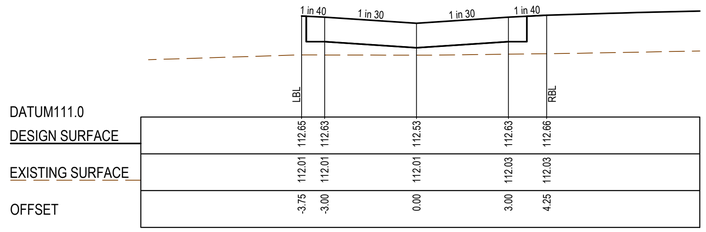
CH 40.33



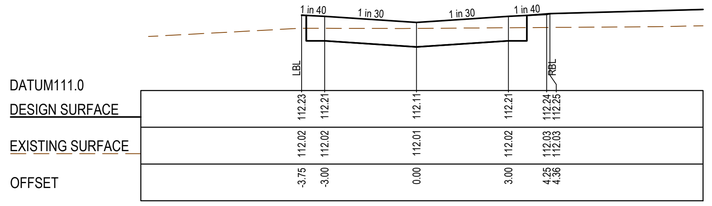
CH 24.33



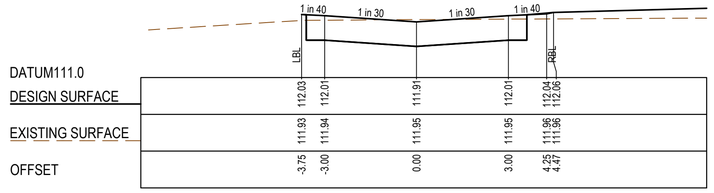
CH 10.83



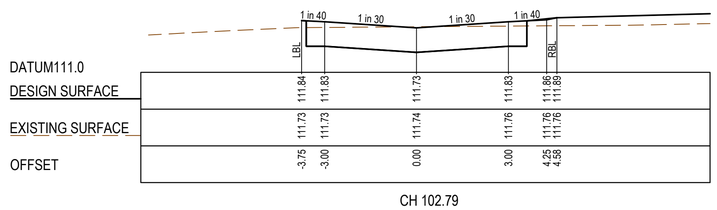
CH 148.45



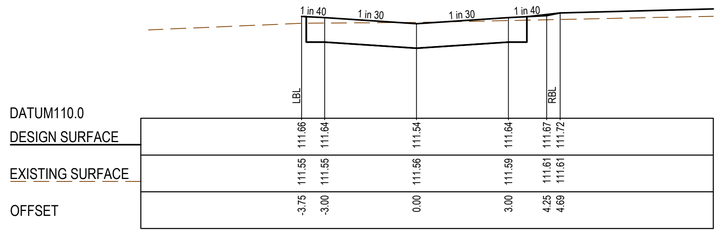
CH 133.79



CH 117.79



CH 102.79



CH 87.79

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® | OHS Management - AS/NZS 4801 Global-Mark.com.au® | Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

AS CONSTRUCTED

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

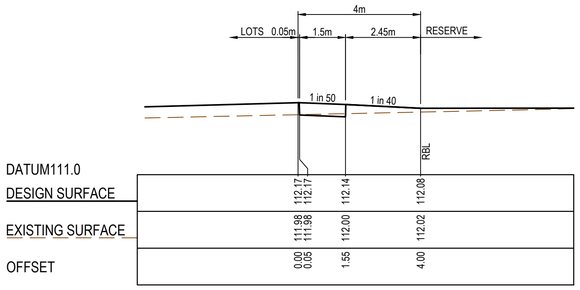
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

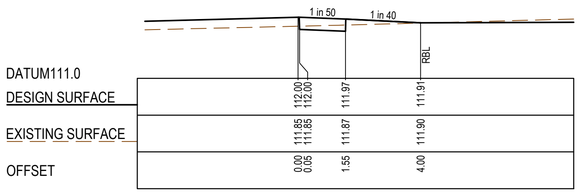
Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Spider Flower Lane

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-258	18 of 30	1

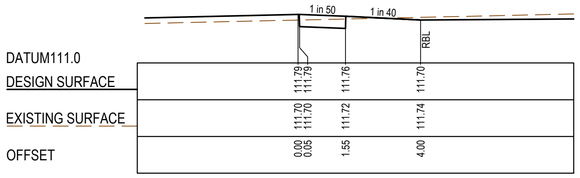
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



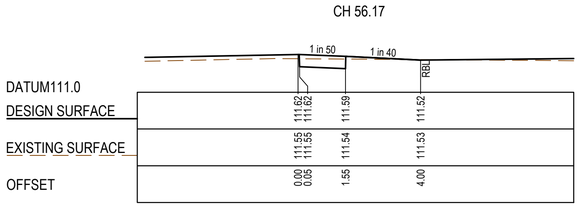
CH 88.63



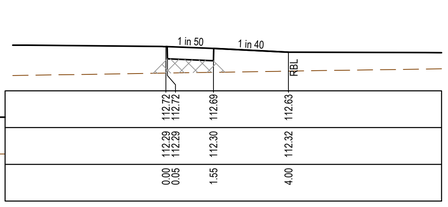
CH 73.63



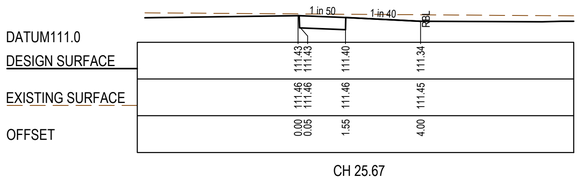
CH 56.17



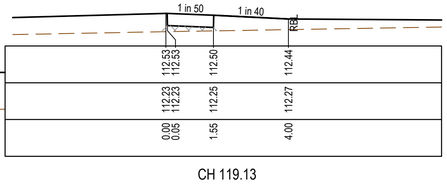
CH 41.17



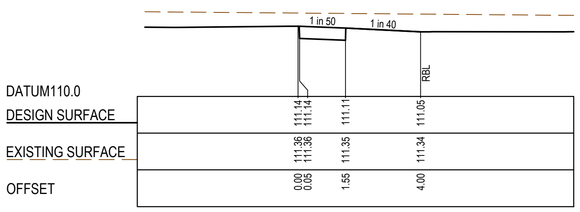
CH 135.13



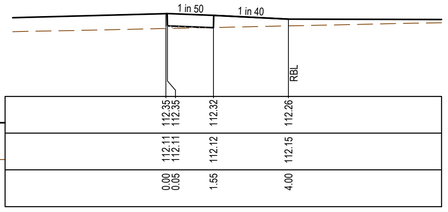
CH 25.67



CH 119.13



CH 9.67



CH 103.63

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 1 2 4
0 0.5 1 2
Scale H1:100, V1:50
SCALE AS SHOWN AT A1

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

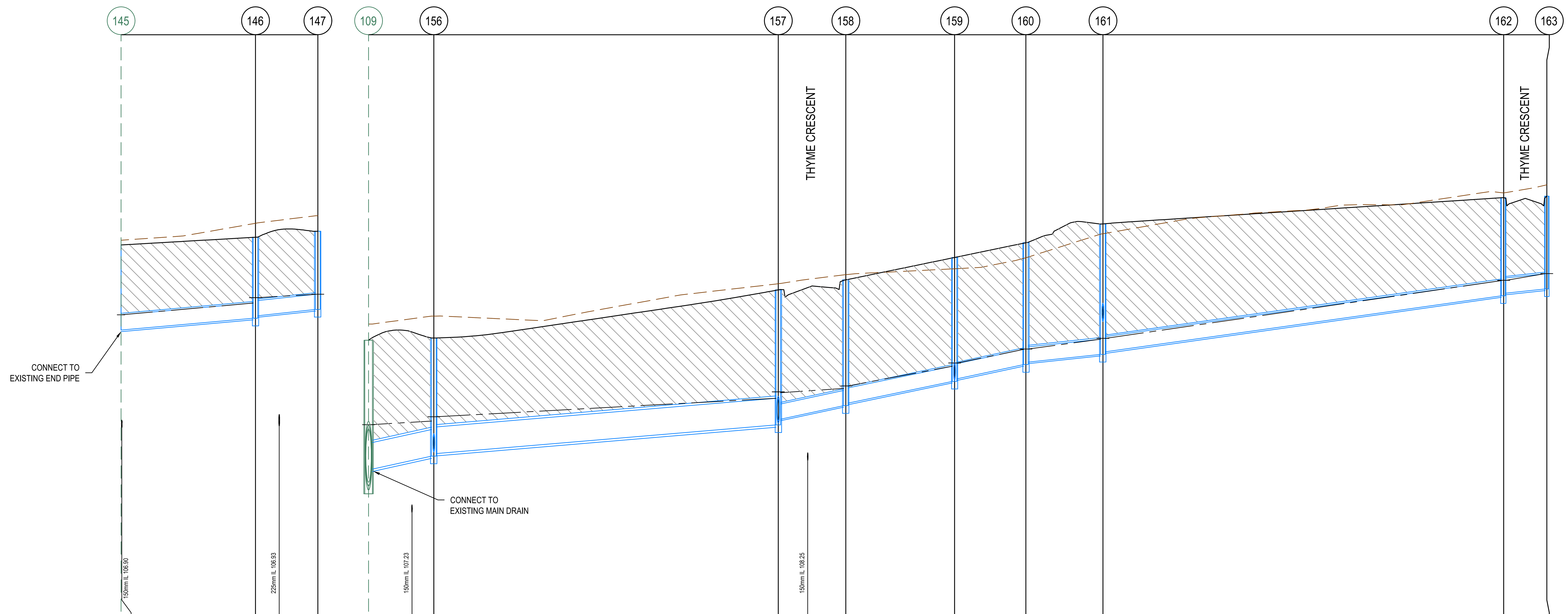
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Cross Sections: Pine Cone Walk

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-259	19 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-259.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:18:54 PM

CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE



DATUM 101.0

	145 → 146	146 → 147
DESIGN FLOW (m3/s)	0.041	0.003
CAPACITY (m3/s)	0.091	0.097
AT GRADE VELOCITY (m/s)	1.28	1.37
NOMINAL PIPE SIZE (mm)	300Ø	300Ø
PIPE TYPE	RCP	RCP
GRADE	1 in 114	1 in 100
(Reach Length)	(26.50)	(12.30)

	145	146	147
DEPTH TO INVERT	1.68 / 1.68	1.60 / 1.55	1.54
HYDRAULIC GRADE LINE	109.13	109.36 / 109.47	109.53
INVERT LEVEL	108.83 / 108.83	109.06 / 109.11 / 109.15	109.23
FINISHED SURFACE LEVELS	110.50	110.66	110.77
EXISTING SURFACE LEVEL	110.60	110.93	111.08
CHAINAGE	0.00 / 0.15	26.50 / 31.19	38.79

DATUM 103.0

	109 → 156	156 → 157	157 → 158	158 → 159	159 → 160	160 → 161	161 → 162	162 → 163
DESIGN FLOW (m3/s)	0.322	0.240	0.077	0.075	0.029	0.027	0.013	0.006
CAPACITY (m3/s)	0.608	0.393	0.137	0.137	0.137	0.097	0.114	0.097
AT GRADE VELOCITY (m/s)	2.81	1.81	1.94	1.94	1.94	1.37	1.62	1.37
NOMINAL PIPE SIZE (mm)	525Ø	525Ø	300Ø	300Ø	300Ø	300Ø	300Ø	300Ø
PIPE TYPE	RCP	RCP	RCP	RCP	RCP	RCP	RCP	RCP
GRADE	1 in 50	1 in 120	1 in 50	1 in 50	1 in 50	1 in 100	1 in 71.4	1 in 100
(Reach Length)	(12.88)	(67.89)	(13.32)	(21.44)	(14.05)	(15.18)	(79.01)	(8.50)

	109		156	157		158	159	160	161	162	163
DEPTH TO INVERT	2.88 / 2.54		2.33 / 2.28	2.66 / 2.55		2.48 / 2.43	2.44 / 2.39	2.40 / 2.35	2.57 / 2.52	1.94 / 1.89	1.83
HYDRAULIC GRADE LINE	108.94 / 108.96		109.03 / 109.11	109.48 / 109.61 / 109.59		109.67 / 109.72	110.11 / 110.17	110.44 / 110.45	110.64 / 110.66	111.80 / 111.81	111.94
INVERT LEVEL	107.74 / 108.08	108.26	108.34 / 108.39	108.95 / 109.07	109.18	109.33 / 109.38	109.81 / 109.86	110.14 / 110.19	110.34 / 110.39	111.50 / 111.55	111.64
FINISHED SURFACE LEVELS	110.62		110.67	111.62		111.81	112.26	112.55	112.92	113.44	113.47
EXISTING SURFACE LEVEL	110.94		111.10	111.74		111.92	112.03	112.25	112.72	113.53	113.69
CHAINAGE	0.00	8.56	12.88	80.77	86.58	94.09	115.53	129.58	144.77	223.77	232.28

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management · ISO 9001 · Global-Mark.com.au®
OHS Management · AS/NZS 4801 · Global-Mark.com.au®
Environmental Management · ISO14001 · Global-Mark.com.au®

AS CONSTRUCTED

PLAN OF SUB. NO.
PS905185Q
PERMIT REF. NO.
PA2018/6004/1

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

N

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

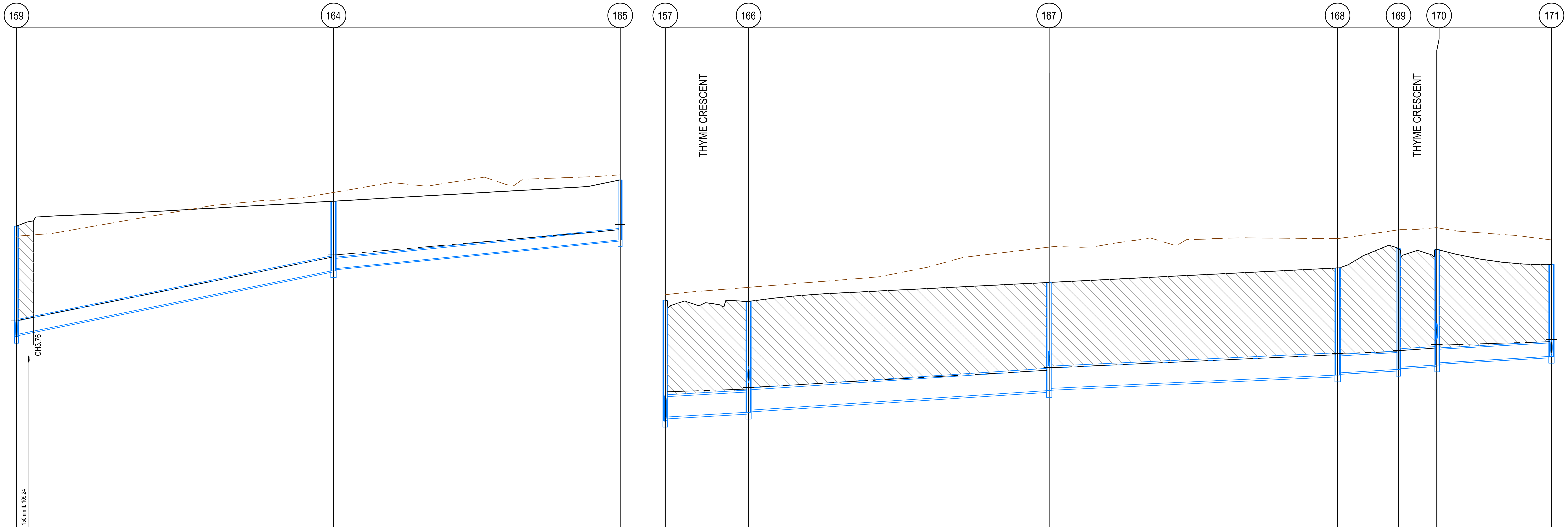
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Drainage Longitudinal Sections - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-301	20 of 30	2

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-301.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:19:29 PM

CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE



DATUM 103.0

Reach	DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	NOMINAL PIPE SIZE (mm)	PIPE TYPE	GRADE	(Reach Length)
159–164	0.048	0.137	1.94	300Ø	RCP	1 in 50	(70.26)
164–165	0.023	0.045	1.13	225Ø	RCP	1 in 100	(63.50)

	159 (in)	159 (out)	164 (in)	164 (out)	165 (in)	165 (out)
DEPTH TO INVERT	2.44	2.39	1.54	1.49	1.33	
HYDRAULIC GRADE LINE	110.11	110.17	111.57	111.62	112.18	112.29
INVERT LEVEL	109.81	109.91 109.86	111.27	111.32	111.95	
FINISHED SURFACE LEVELS	112.26		112.81		113.28	
EXISTING SURFACE LEVEL	112.03		113.00		113.39	
CHAINAGE	0.00	2.76	70.26		133.76	

DATUM 104.0

Reach	DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	NOMINAL PIPE SIZE (mm)	PIPE TYPE	GRADE	(Reach Length)
157–166	0.161	0.213	1.34	450Ø	RCP	1 in 179	(18.45)
166–167	0.147	0.230	1.44	450Ø	RCP	1 in 154	(66.60)
167–168	0.114	0.193	1.21	450Ø	RCP	1 in 218	(63.90)
168–169	0.090	0.131	1.18	375Ø	RCP	1 in 180	(13.50)
169–170	0.086	0.130	1.18	375Ø	RCP	1 in 181	(8.50)
170–171	0.053	0.072	1.02	300Ø	RCP	1 in 180	(25.40)

	157 (in)	157 (out)	166 (in)	166 (out)	167 (in)	167 (out)	168 (in)	168 (out)	169 (in)	169 (out)	170 (in)	170 (out)	171 (in)	171 (out)
DEPTH TO INVERT	2.66	2.59	2.46	2.41	2.40	2.35	2.37	2.32	2.67	2.62	2.57	2.52	2.04	
HYDRAULIC GRADE LINE	109.48	109.60 109.59	109.65	109.68	110.06	110.12	110.41	110.44	110.47	110.50	110.55	110.64 110.62	110.70	110.75
INVERT LEVEL	108.95	109.03	109.13	109.18	109.61	109.66	109.96	110.01	110.08	110.13	110.18	110.23	110.37	
FINISHED SURFACE LEVELS	111.62		111.59		112.01		112.33		112.76		112.74		112.41	
EXISTING SURFACE LEVEL	111.74		111.90		112.79		112.99		113.17		113.22		112.95	
CHAINAGE	0.00		18.45		85.05		148.95		162.45		170.95		196.35	

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management · ISO 9001 Global-Mark.com.au®
OHS Management · AS/NZS 4801 Global-Mark.com.au®
Environmental Management · ISO14001 Global-Mark.com.au®

AS CONSTRUCTED

PLAN OF SUB. NO. PS905185Q
PERMIT REF. NO. PA2018/6004/1

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

N

SMEC
Member of the Surbana Jurong Group
ⓒ ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

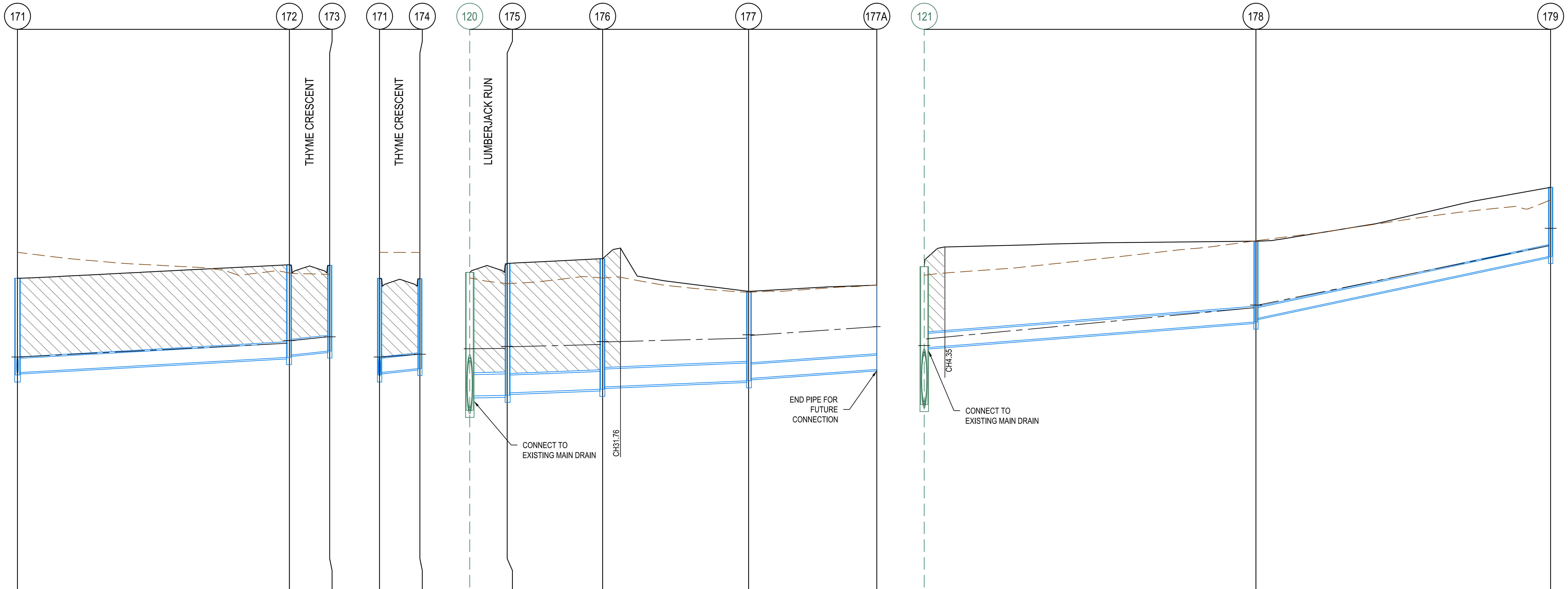
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Drainage Longitudinal Sections - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-302	21 of 30	2

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-302.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:29:08 PM

CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE



Pits 171 – 172 – 173 (Thyme Crescent)

	171	171–172	172	172–173	173
DESIGN FLOW (m3/s)		0.030		0.003	
CAPACITY (m3/s)		0.072		0.097	
AT GRADE VELOCITY (m/s)		1.02		1.37	
NOMINAL PIPE SIZE (mm)		300Ø		300Ø	
PIPE TYPE		RCP		RCP	
GRADE		1 in 180		1 in 100	
DATUM	104.0				
DEPTH TO INVERT	2.04 / 1.99		1.95 / 1.90		1.81
HYDRAULIC GRADE LINE	110.70 / 110.75		111.04 / 111.10		111.17
INVERT LEVEL	110.37 / 110.42		110.74 / 110.79		110.87
FINISHED SURFACE LEVELS	112.41		112.69		112.68
EXISTING SURFACE LEVEL	112.95		112.52		112.49
CHAINAGE	196.35		253.63		262.13
(Reach Length)		(57.28)		(8.50)	

Pits 171 – 174 (Thyme Crescent)

	171	171–174	174
DESIGN FLOW (m3/s)		0.005	
CAPACITY (m3/s)		0.097	
AT GRADE VELOCITY (m/s)		1.37	
NOMINAL PIPE SIZE (mm)		300Ø	
PIPE TYPE		RCP	
GRADE		1 in 100	
DATUM	104.0		
DEPTH TO INVERT	2.04 / 1.99		1.89
HYDRAULIC GRADE LINE	110.70 / 110.75		110.81
INVERT LEVEL	110.37 / 110.42		110.51
FINISHED SURFACE LEVELS	112.41		112.40
EXISTING SURFACE LEVEL	112.95		112.95
CHAINAGE	0.00		8.50
(Reach Length)		(8.50)	

Pits 120 – 175 – 176 – 177 – 177A (Lumberjack Run)

	120	120–175	175	175–176	176	176–177	177	177–177A	177A
DESIGN FLOW (m3/s)		0.093		0.086		0.088		0.080	
CAPACITY (m3/s)		0.128		0.108		0.114		0.081	
AT GRADE VELOCITY (m/s)		0.8		0.98		1.03		1.15	
NOMINAL PIPE SIZE (mm)		450Ø		375Ø		375Ø		300Ø	
PIPE TYPE		RCP		RCP		RCP		RCP	
GRADE		1 in 500		1 in 263		1 in 238		1 in 143	
DATUM	104.0								
DEPTH TO INVERT	2.60 / 2.60		2.78 / 2.73		2.75 / 2.70		1.88 / 1.83		1.78
HYDRAULIC GRADE LINE	110.92		110.93 / 110.97 110.96		111.01 / 111.07 111.07		111.14 / 111.21 111.20		111.39
INVERT LEVEL	109.93 / 109.93		109.94 / 109.99		110.07 / 110.12		110.25 / 110.30		110.49
FINISHED SURFACE LEVELS	112.53		112.72		112.82		112.13		112.26
EXISTING SURFACE LEVEL	112.41		112.29		112.41		112.11		112.26
CHAINAGE	0.00		7.90		28.01		58.76		85.76
(Reach Length)		(7.90)		(20.11)		(30.75)		(27.00)	

Pits 121 – 178 – 179

	121	121–178	178	178–179	179
DESIGN FLOW (m3/s)		0.073		0.050	
CAPACITY (m3/s)		0.106		0.055	
AT GRADE VELOCITY (m/s)		1.5		1.38	
NOMINAL PIPE SIZE (mm)		300Ø		225Ø	
PIPE TYPE		RCP		RCP	
GRADE		1 in 130		1 in 47.5	
DATUM	104.0				
DEPTH TO INVERT	2.90 / 1.70		1.70 / 1.63		1.46
HYDRAULIC GRADE LINE	110.97 / 110.99 111.13		111.78 / 111.84		113.09 / 113.46
INVERT LEVEL	109.75 / 110.95		111.48 / 111.56		112.87
FINISHED SURFACE LEVELS	112.65		113.19		114.32
EXISTING SURFACE LEVEL	112.47		113.20		114.06
CHAINAGE	0.00		69.90		131.98
(Reach Length)		(69.90)		(62.09)	

AS CONSTRUCTED PLANS
The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management · ISO 9001 — Global-Mark.com.au®
OHS Management · AS/NZS 4801 — Global-Mark.com.au®
Environmental Management · ISO14001 — Global-Mark.com.au®

AS CONSTRUCTED

PLAN OF SUB. NO. PS905185Q
PERMIT REF. NO. PA2018/6004/1

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

N

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

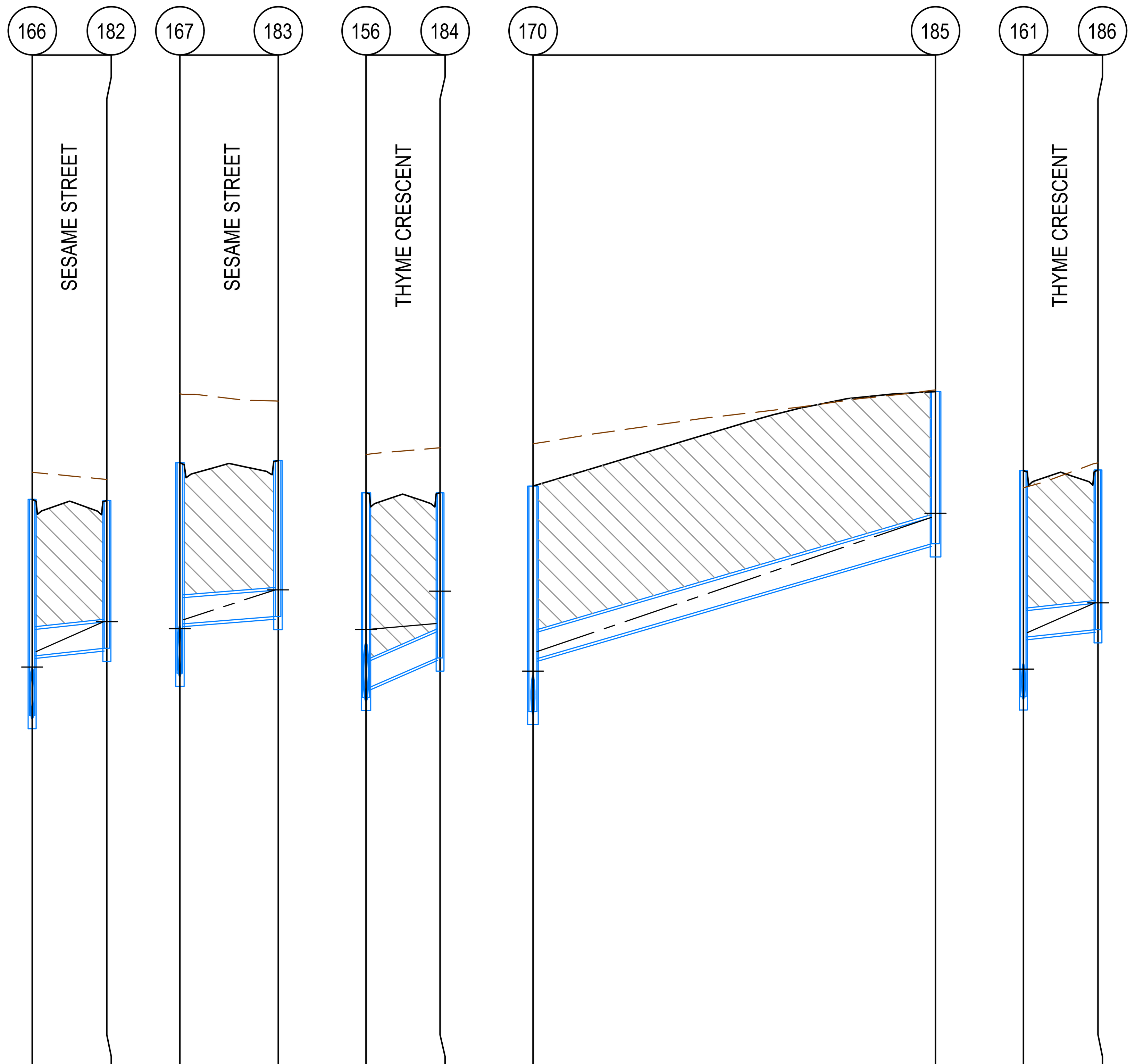
GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Drainage Longitudinal Sections - 3

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-303	22 of 30	2

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-303.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:20:30 PM

CRUSHED ROCK BACKFILL
CRB INDICATES CRUSHED ROCK BACKFILL COMPACTED IN ACCORDANCE WITH COUNCIL STANDARDS & SPECIFICATIONS, CLASS 3 UNLESS SPECIFIED OTHERWISE



Reach 166 – 182

DESIGN FLOW (m3/s)		0.005		
CAPACITY (m3/s)		0.097		
AT GRADE VELOCITY (m/s)		1.37		
NOMINAL PIPE SIZE (mm)		300Ø		
PIPE TYPE		RCP		
GRADE		1 in 100		
DATUM		103.0		
DEPTH TO INVERT	2.46	1.78	1.68	
HYDRAULIC GRADE LINE	109.65	109.68 109.86	110.20	
INVERT LEVEL	109.13	109.81	109.90	
FINISHED SURFACE LEVELS	111.59		111.58	
EXISTING SURFACE LEVEL	111.90		111.82	
CHAINAGE	0.00		8.50	
(Reach Length)		(8.50)		

Reach 167 – 183

DESIGN FLOW (m3/s)		0.005		
CAPACITY (m3/s)		0.084		
AT GRADE VELOCITY (m/s)		1.19		
NOMINAL PIPE SIZE (mm)		300Ø		
PIPE TYPE		RCP		
GRADE		1 in 132		
DATUM		103.0		
DEPTH TO INVERT	2.40	1.84	1.78	
HYDRAULIC GRADE LINE	110.06	110.12 110.22	110.56	
INVERT LEVEL	109.61	110.17	110.26	
FINISHED SURFACE LEVELS	112.01		112.03	
EXISTING SURFACE LEVEL	112.79		112.71	
CHAINAGE	0.00		11.20	
(Reach Length)		(11.20)		

Reach 156 – 184

DESIGN FLOW (m3/s)		0.086		
CAPACITY (m3/s)		0.193		
AT GRADE VELOCITY (m/s)		2.74		
NOMINAL PIPE SIZE (mm)		300Ø		
PIPE TYPE		RCP		
GRADE		1 in 25		
DATUM		102.0		
DEPTH TO INVERT	2.33	2.22	1.88	
HYDRAULIC GRADE LINE	109.03	109.11	109.18	109.55
INVERT LEVEL	108.34	108.45	108.79	
FINISHED SURFACE LEVELS	110.67		110.67	
EXISTING SURFACE LEVEL	111.10		111.18	
CHAINAGE	0.00		8.42	
(Reach Length)		(8.42)		

Reach 170 – 185

DESIGN FLOW (m3/s)		0.026		
CAPACITY (m3/s)		0.164		
AT GRADE VELOCITY (m/s)		2.31		
NOMINAL PIPE SIZE (mm)		300Ø		
PIPE TYPE		RCP		
GRADE		1 in 35		
DATUM		104.0		
DEPTH TO INVERT	2.57	1.97	1.73	
HYDRAULIC GRADE LINE	110.55	110.64 110.86	112.39	112.44
INVERT LEVEL	110.18	110.78	112.09	
FINISHED SURFACE LEVELS	112.74		113.82	
EXISTING SURFACE LEVEL	113.22		113.84	
CHAINAGE	0.00		45.82	
(Reach Length)		(45.82)		

Reach 161 – 186

DESIGN FLOW (m3/s)		0.006		
CAPACITY (m3/s)		0.097		
AT GRADE VELOCITY (m/s)		1.37		
NOMINAL PIPE SIZE (mm)		300Ø		
PIPE TYPE		RCP		
GRADE		1 in 100		
DATUM		104.0		
DEPTH TO INVERT	2.57	1.89	1.82	
HYDRAULIC GRADE LINE	110.64	110.66 111.08	111.41	
INVERT LEVEL	110.34	111.02	111.11	
FINISHED SURFACE LEVELS	112.92		112.93	
EXISTING SURFACE LEVEL	112.72		113.01	
CHAINAGE	0.00		8.50	
(Reach Length)		(8.50)		

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management · ISO 9001 — Global-Mark.com.au®
OHS Management · AS/NZS 4801 — Global-Mark.com.au®
Environmental Management · ISO14001 — Global-Mark.com.au®

AS CONSTRUCTED

PLAN OF SUB. NO.
PS905185Q
PERMIT REF. NO.
PA2018/6004/1

0 5 10 20
0 0.5 1 2
Scale H1:500, V1:50
SCALE AS SHOWN AT A1

N

SMEC
Member of the Surbana Jurong Group
ⓒ ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Drainage Longitudinal Sections - 4

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-304	23 of 30	2

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-304.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:21:04 PM

PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	DEPTH	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (m)	DIAMETER (mm)	INV R.L. (m)				
Ex. 145	END PIPE			300				110.503	1.678		CONNECT TO EXISTING ENDPIPE
146	GRATED ENTRY PIT	600	900	300	109.107	300	109.057	110.656	1.599	EDCM 601	
147	GRATED ENTRY PIT	600	900			300	109.23	110.774	1.544	EDCM 601	
Ex. 109	GEP	1500	900	525	108.08			110.623	2.88	EDCM 601 & 607	CONNECT TO EXISTING MAIN DRAIN PIT
156	DOUBLE GRATED ENTRY PIT	750	900	525	108.389	525	108.339	110.668	2.329	EDCM 604 & 607	HAUNCED UNDER KERB AS PER EDCM 607
				300	108.451						
157	GRATED ENTRY PIT	750	900	300	109.067	525	108.954	111.618	2.664	EDCM 601 & 607	HAUNCED UNDER KERB AS PER EDCM 607
				450	109.029						
158	GRATED ENTRY PIT	600	900	300	109.383	300	109.333	111.815	2.482	EDCM 601	
159	JUNCTION PIT	600	900	300	109.862	300	109.812	112.257	2.445	EDCM 605	
				300	109.862						
160	GRATED ENTRY PIT	600	900	300	110.193	300	110.143	112.547	2.404	EDCM 601	
161	GRATED ENTRY PIT	600	900	300	110.395	300	110.345	112.919	2.574	EDCM 601	
				300	111.025						
162	GRATED ENTRY PIT	600	900	300	111.551	300	111.501	113.438	1.937	EDCM 601	
163	GRATED ENTRY PIT	600	900			300	111.636	113.467	1.831	EDCM 601	
164	JUNCTION PIT	600	900	225	111.317	300	111.267	112.81	1.543	EDCM 605	
165	JUNCTION PIT	600	900			225	111.952	113.283	1.331	EDCM 605	
166	DOUBLE GRATED ENTRY PIT	600	900	450	109.182	450	109.132	111.593	2.461	EDCM 604	
				300	109.812						
167	GRATED ENTRY PIT	600	900	450	109.664	450	109.614	112.01	2.396	EDCM 601	PROVIDE CLASS D HEAVY DUTY PIT COVER
				300	110.174						
168	GRATED ENTRY PIT	600	900	375	110.007	450	109.957	112.331	2.374	EDCM 601	
169	GRATED ENTRY PIT	600	900	375	110.132	375	110.082	112.757	2.675	EDCM 601	
170	GRATED ENTRY PIT	600	900	300	110.229	375	110.179	112.744	2.565	EDCM 601	
				300	110.779						
171	DOUBLE GRATED ENTRY PIT	600	900	300	110.42	300	110.37	112.407	2.037	EDCM 604	
				300	110.42						
172	GRATED ENTRY PIT	600	900	300	110.788	300	110.738	112.691	1.953	EDCM 601	
173	GRATED ENTRY PIT	600	900			300	110.873	112.68	1.807	EDCM 601	
174	DOUBLE GRATED ENTRY PIT	600	900			300	110.505	112.397	1.892	EDCM 604	
Ex. 120	DGEP	1500	900	450	109.93			112.529	2.903	EDCM 604 & 607	CONNECT TO EXISTING MAIN DRAIN PIT
175	DOUBLE GRATED ENTRY PIT	600	900	375	109.991	450	109.941	112.719	2.778	EDCM 604	
176	JUNCTION PIT	600	900	375	110.118	375	110.068	112.82	2.752	EDCM 605	
177	GRATED ENTRY PIT	600	900	300	110.297	375	110.247	112.129	1.882	EDCM 601	
177a	END PIPE					300	110.486	112.262	1.776		END PIPE FOR FUTURE CONNECTION
Ex. 121	GEP	1500	900	300	110.95			112.651	2.903	EDCM 601 & 607	CONNECT TO EXISTING MAIN DRAIN PIT
178	JUNCTION PIT	600	900	225	111.56	300	111.485	113.188	1.703	EDCM 605	
179	JUNCTION PIT	600	900			225	112.866	114.323	1.457	EDCM 605	
182	GRATED ENTRY PIT	600	900			300	109.897	111.578	1.681	EDCM 601	
183	GRATED ENTRY PIT	600	900			300	110.259	112.034	1.775	EDCM 601	
184	DOUBLE GRATED ENTRY PIT	600	900			300	108.788	110.667	1.879	EDCM 604	
185	JUNCTION PIT	600	900			300	112.088	113.819	1.731	EDCM 605	
186	GRATED ENTRY PIT	600	900			300	111.11	112.928	1.818	EDCM 601	

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® OHS Management - AS/NZS 4801 Global-Mark.com.au® Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

0 5 10 20
Scale 1:500
SCALE AS SHOWN AT A1

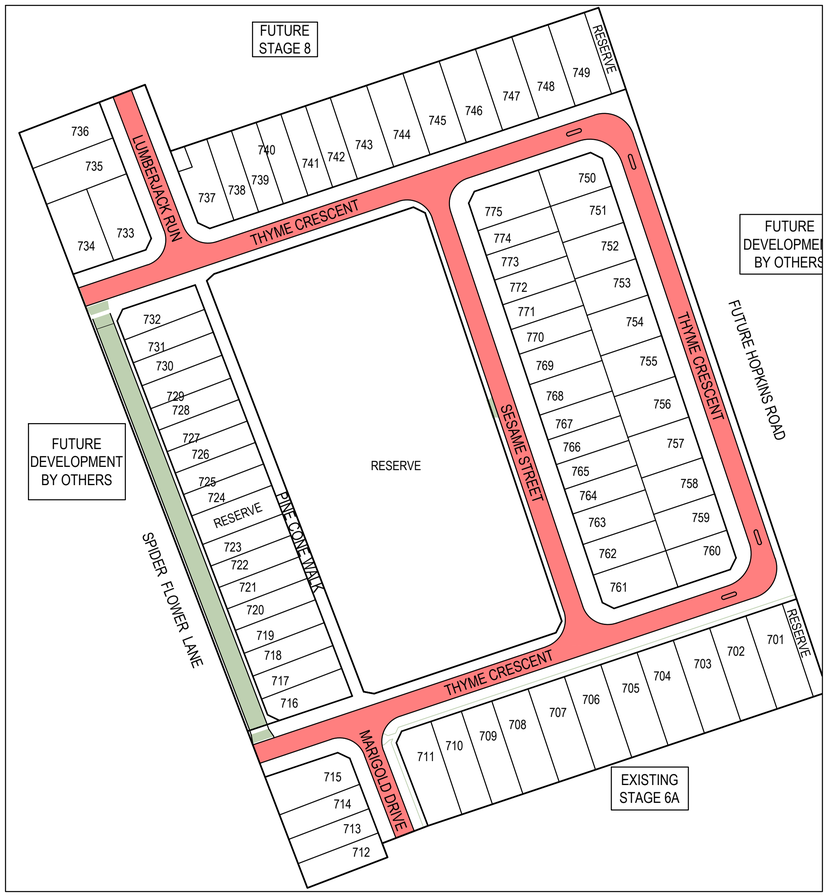
N

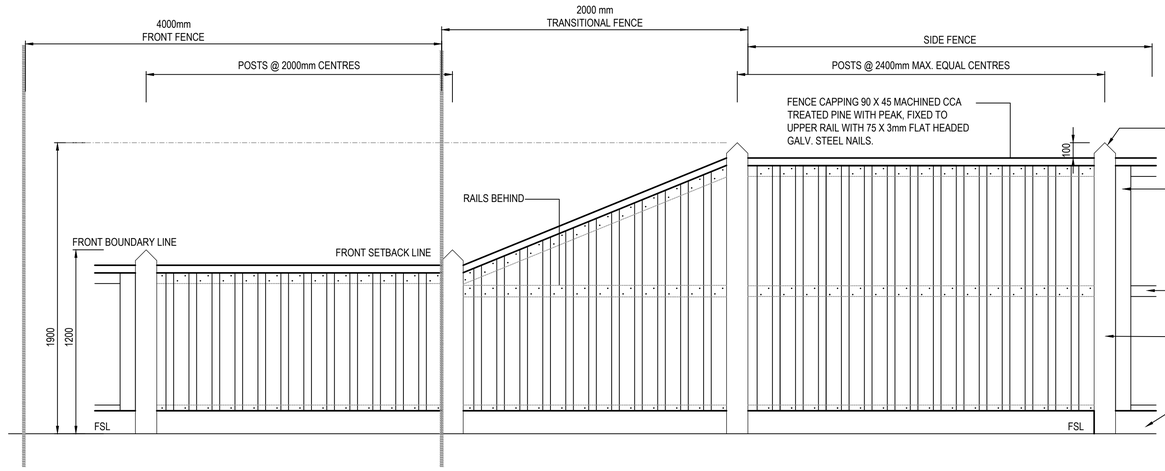
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Pit Schedule

MELWAYS REF. 355 G5 | PROJECT / DRAWING No. 3070E-007-351 | SHEET No. 24 of 30 | REVISION 3

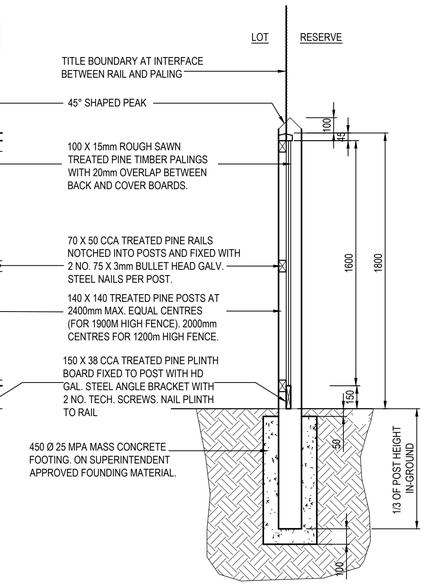




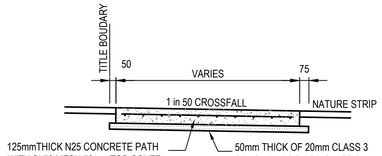
ELEVATION

TIMBER CAPPED PALING FENCE DETAIL

SCALE 1:20

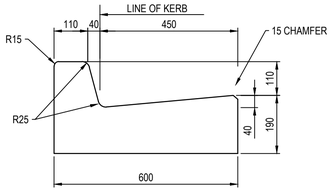


TIMBER CAPPED PALING FENCE SECTION



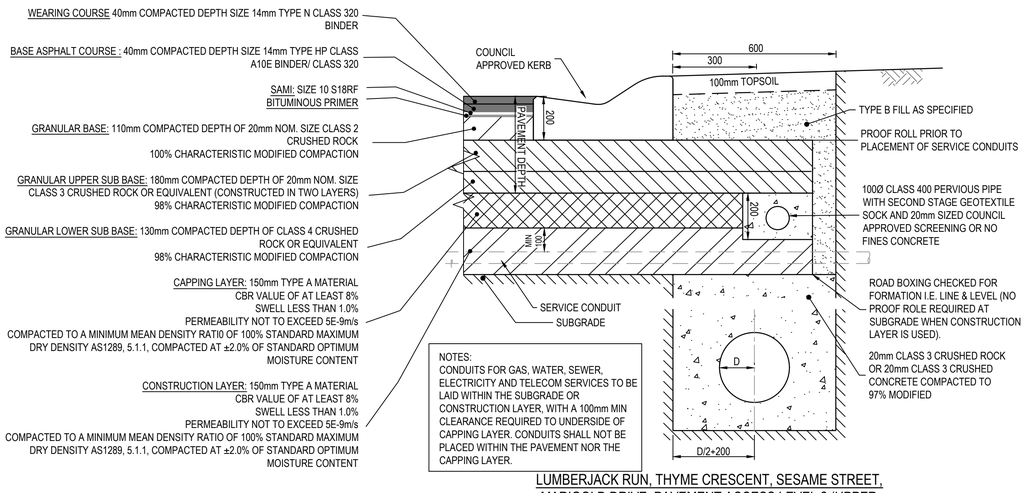
TYPICAL FOOTPATH CROSS SECTION

NOT TO SCALE
(REFER NOTE 27)



600 B2 KERB DETAIL

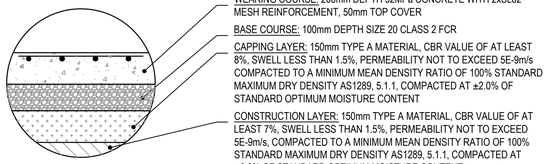
SCALE 1:10
EDCM



NOTES:
CONDUITS FOR GAS, WATER, SEWER, ELECTRICITY AND TELECOM SERVICES TO BE LAID WITHIN THE SUBGRADE OR CONSTRUCTION LAYER, WITH A 100mm MIN CLEARANCE REQUIRED TO UNDERSIDE OF CAPPING LAYER. CONDUITS SHALL NOT BE PLACED WITHIN THE PAVEMENT NOR THE CAPPING LAYER.

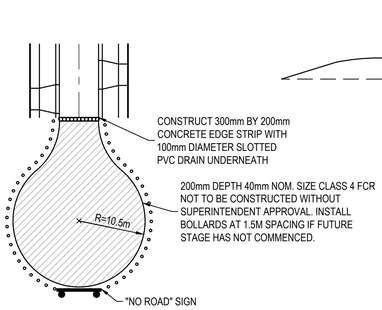
LUMBERJACK RUN, THYME CRESCENT, SESAME STREET, MARIGOLD DRIVE PAVEMENT ACCESS LEVEL 2 (UPPER RANGE 2500 veh/day).
800 mm THICK AND SUBSOIL DRAIN (EXPANSIVE SOILS)

REFER EDCM STD DWG 202A
N.T.S



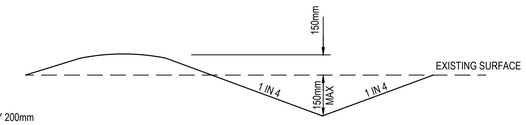
SPIDER FLOWER LANE PAVEMENT COMPOSTION

300mm PAVEMENT
(EXCLUDING CONSTRUCTION LAYER)



TEMPORARY TURN AREA DETAIL

NOT TO SCALE



SWALE DRAIN DETAIL

NOT TO SCALE

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations 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.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

JOINT DETAIL NOTES:

1. SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.
2. TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 12m.
3. ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.
4. ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH "CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".

NOTE
ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY CMW GEOSCIENCES, DOCUMENTS REF. MEL2018-0151AB Rev3, DATED 27 FEBRUARY 2019 & MEL2020-0146AB Rev2, DATED 23 SEPTEMBER 2020. SMEC IS NOT RESPONSIBLE FOR GEOTECHNICAL OR PAVEMENT RELATED DESIGNS AND IS NOT RESPONSIBLE FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THESE DESIGNS. THE PAVEMENT COMPOSITIONS SHOWN ON THIS DRAWING HAVE BEEN REPRODUCED FROM THE PAVEMENT REPORT FOR THIS DEVELOPMENT STAGE. THIS DOCUMENT SHOULD BE REVIEWED BY THE CONTRACTOR TO ENSURE DESIGN HAS BEEN INTERPRETED CORRECTLY. A COPY OF THIS DOCUMENT WILL BE MADE AVAILABLE ON REQUEST. ANY DIFFERENCES FROM THIS REQUIREMENTS SHOWN ARE TO BE NOTIFIED TO THE SUPERINTENDENT BEFORE PROCEEDING.

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® | OHS Management - AS/NZS 4801 Global-Mark.com.au® | Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

AS CONSTRUCTED

0 10 20 40
Scale 1:1000
SCALE AS SHOWN AT A1

N

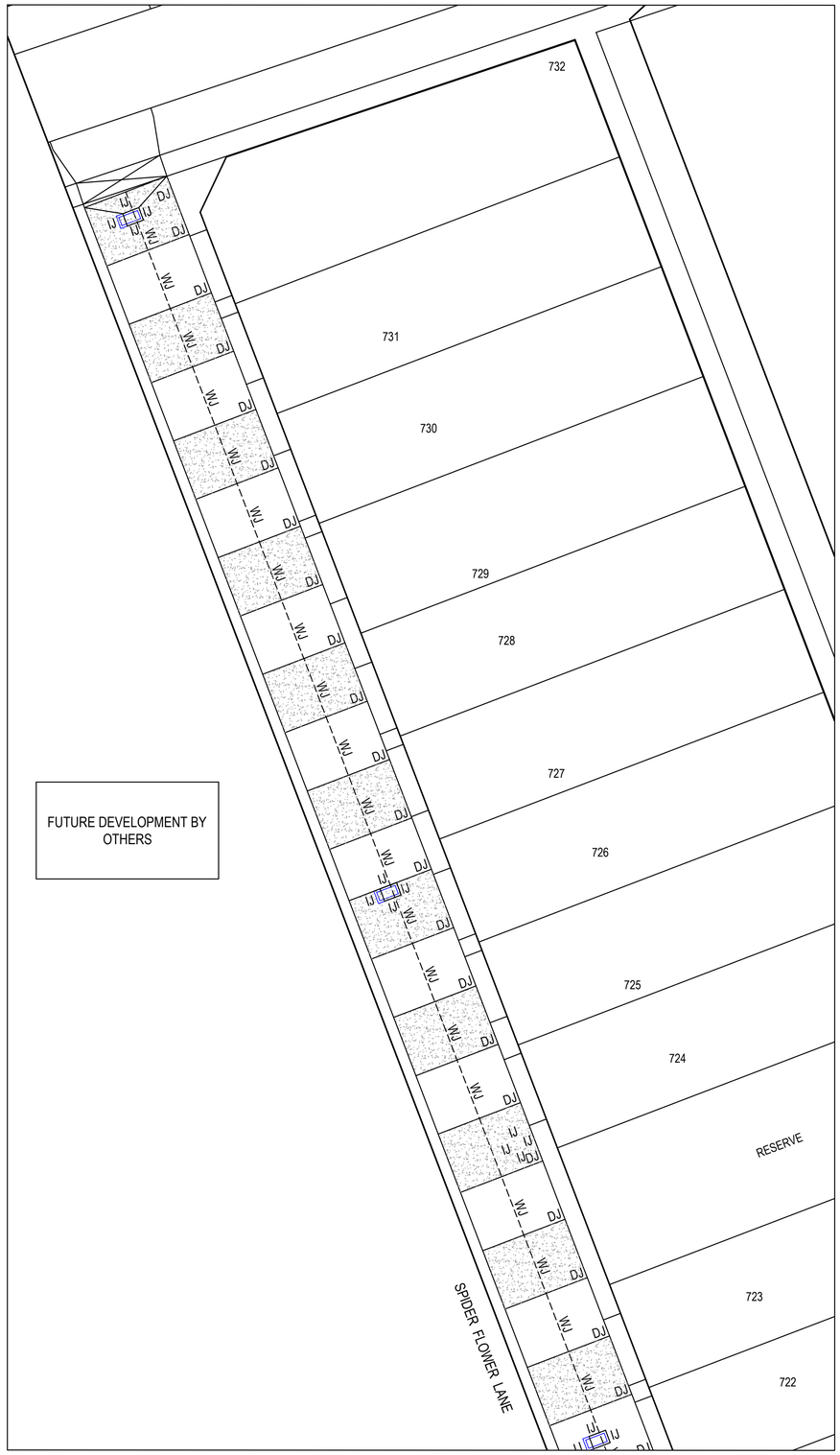
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

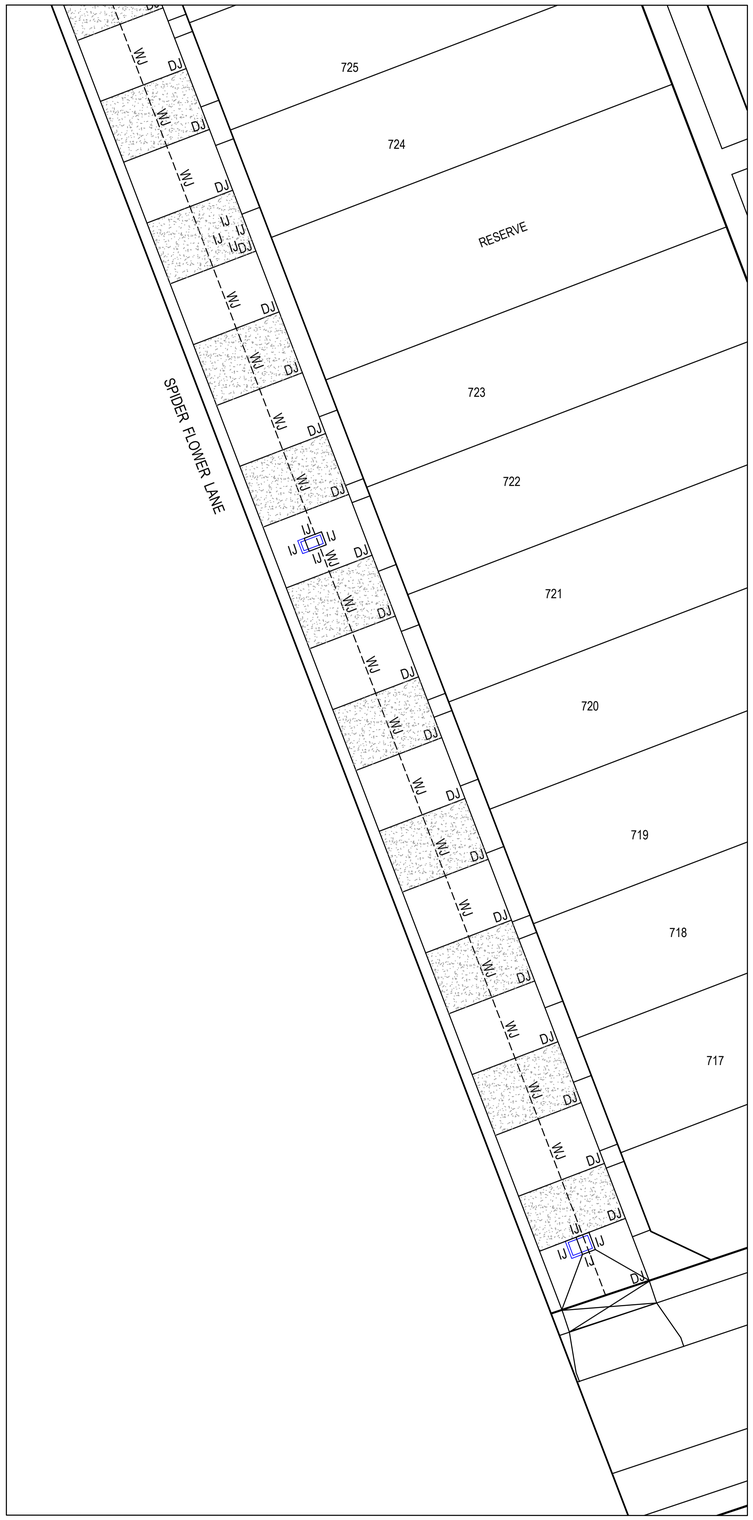
Botania - Stage 7
Melton City Council
Road and Drainage
Pavement Details - 1

MELWAYS REF.	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-410	25 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-410.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:22:08 PM

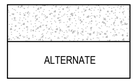


REFER TO THE LEFT FOR CONTINUATION

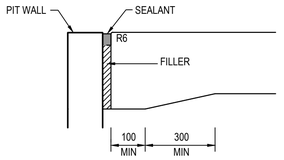


JOINT DETAIL NOTES:

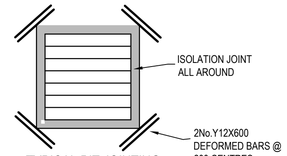
1. SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.
2. TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 12m.
3. ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.
4. ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH "CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".



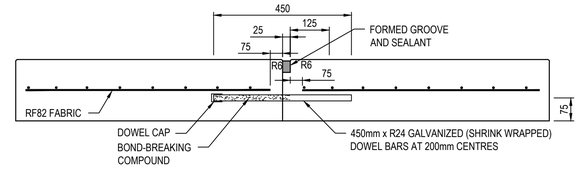
CONCRETE PLACEMENT SEQUENCE



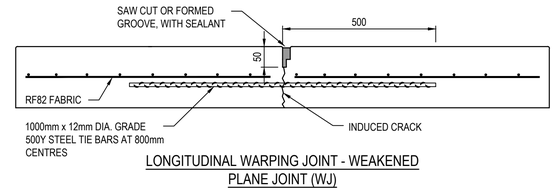
ISOLATION JOINT (IJ)



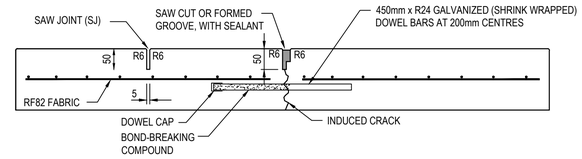
TYPICAL PIT JOINTING



TRANSVERSE CONTRACTION JOINT - DOWELLED BUTT
JOINT AT CONSTRUCTION JOINT (DJ)



LONGITUDINAL WARPING JOINT - WEAKENED
PLANE JOINT (WJ)



TRANSVERSE CONTRACTION JOINT
SAW JOINT (SJ) AND TRANSVERSE CONTRACTION JOINT (CJ)

CONCRETE JOINTING DETAILS

NOT TO SCALE

CONCRETE NOTES:

1. GENERAL
   - 1.1. ENGINEERING DRAWINGS MUST NOT BE SCALED
   - 1.2. CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF ANY WORKS
   - 1.3. ANY DISCREPANCIES MUST BE REFERRED TO THE ENGINEER IMMEDIATELY TO ENSURE CORRECT RECTIFICATION BEFORE PROCEEDING WITH THE WORK.
   - 1.4. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH APPROPRIATE SAA CODES , VICTORIAN BUILDING REGULATIONS, AND BUILDING CODE OF AUSTRALIA
   - 1.5. ALL REFERENCES TO SAA CODES, VBR'S AND BCA SHALL INCLUDE ALL AMENDMENTS
   - 1.6. SUBSTITUTION SHALL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER
2. CONCRETE
   - 2.1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH AS3600. CONCRETE COMPRESSION STRENGTH SHALL BE: 32MPA AT 28 DAYS FOR PAVEMENT OR AS NOTED ON DRAWINGS
   - 2.2. WHEELBARROW RUNS IF USED MUST BE SUPPORTED DIRECTLY FROM THE FORMWORK AND NOT FROM THE REINFORCEMENT
   - 2.3. MECHANICALLY VIBRATE CONCRETE DURING THE CONCRETE POUR
   - 2.4. CONCRETE SURFACES MUST BE ADEQUATELY CURED. CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 AND NOT TO BE TRAFFICKED UNTIL AT LEAST SEVEN DAYS AFTER POURING.
   - 2.5. CONCRETE SIZES AS DRAWN ARE MINIMUM AND DO NOT INCLUDE APPLIED FINISHES
   - 2.6. UNSPECIFIED CONSTRUCTION JOINTS MUST NOT BE MADE WITHOUT THE ENGINEERS PRIOR WRITTEN APPROVAL
3. REINFORCEMENT
   - 3.1. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION. CLEAR COVER NOTED ON DRAWING(S) IS IN ACCORDANCE WITH AS3600 AND SHOULD NOT BE VARIED
   - 3.2. LAPS IN REINFORCEMENT SHOULD COMPLY WITH AS3600
   - 3.3. FIELD WELDING OF REINFORCEMENT IS ONLY PERMITTED WITH THE ENGINEER'S WRITTEN APPROVAL.
   - 3.4. ALL REINFORCEMENT IS TO BE ACCURATELY PLACED, TIED AND SUPPORTED IN POSITION BY BAR CHAIRS AT 750MM CENTRES WHERE APPROPRIATE AND ADEQUATELY IN OTHER MEMBERS
4. FORMWORK
   - 4.1. ALL FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS1509
   - 4.2. RETAIN ALL FORMWORK IN POSITION FOR AT LEAST SEVEN DAYS

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au® | OHS Management - AS/NZS 4801 Global-Mark.com.au® | Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

AS CONSTRUCTED

0 2 4 8
Scale 1:200
SCALE AS SHOWN AT A1

N

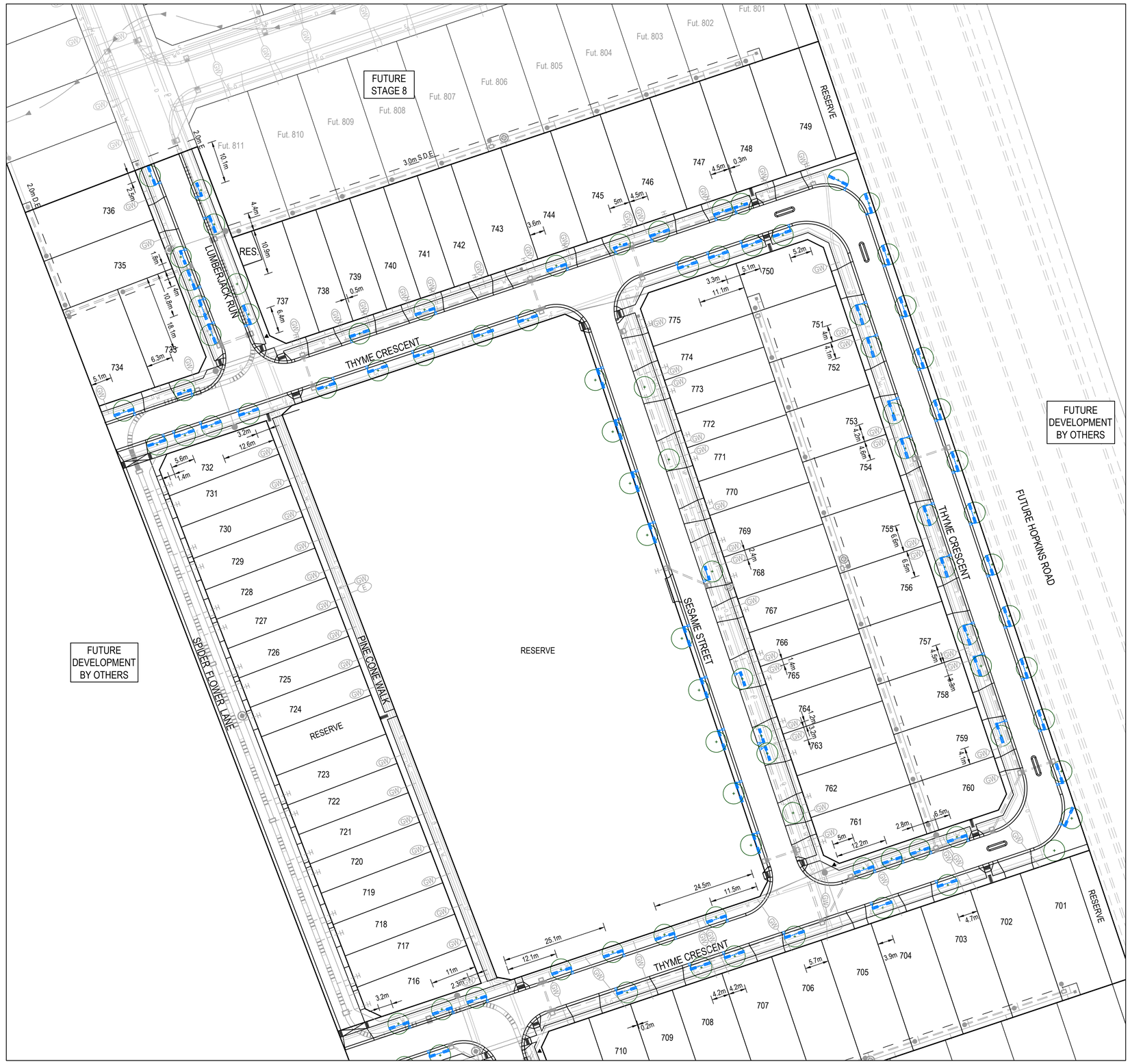
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Concrete Jointing Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-411	26 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-411.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:22:44 PM



LEGEND

KERB INLET DIVERSION PASSIVE STREET TREE IRRIGATION (750mm REDUCED TREE OFFSET) - REFER TO SHEET 413 FOR DETAILS

TREE LOCATION - REFER TO LANDSCAPING PLANS FOR DETAIL

NOTE:
TRENCH OFFSET TO BACK OF KERB REDUCED TO 0.75m FOR KERB INLET TYPES DUE TO RESTRICTED SITE. (AS APPROVED BY COUNCIL).
PASSIVE IRRIGATION TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
PRINCIPAL CONTRACTOR TO INSTALL KERB INLET COMPONENT ONLY.

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations 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.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au®
OHS Management - AS/NZS 4801 Global-Mark.com.au®
Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO.	PS905185Q
PERMIT REF. NO.	PA2018/6004/1

AS CONSTRUCTED

0 5 10 20
Scale 1:500
SCALE AS SHOWN AT A1

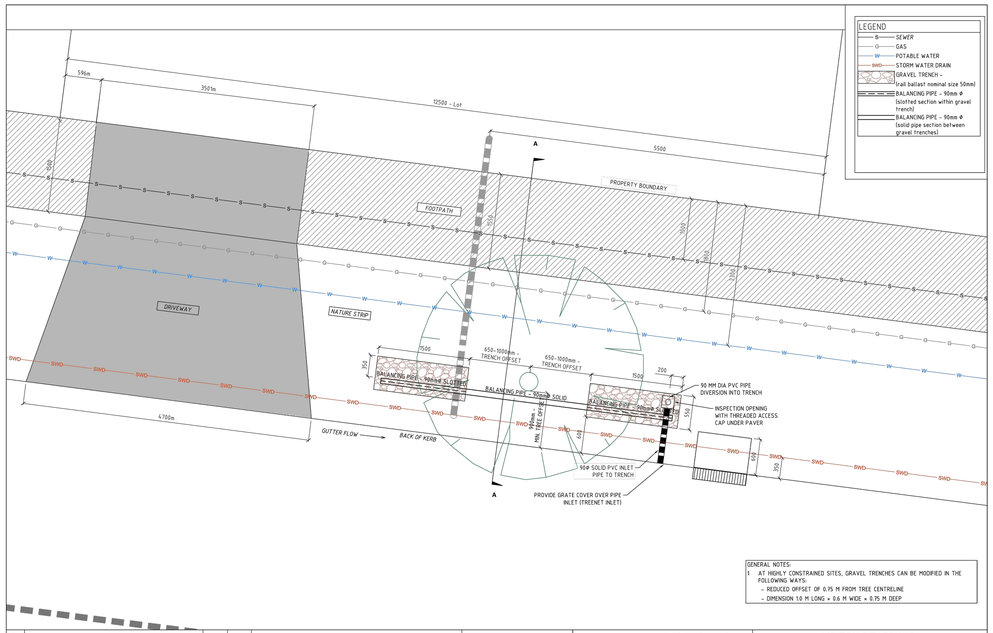
N

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Passive Irrigation System Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-412	27 of 30	4



GENERAL NOTES:
1 AT HIGHLY CONSTRAINED SITES, GRAVEL TRENCHES CAN BE MODIFIED IN THE FOLLOWING WAYS:
- REDUCED OFFSET OF 0.75 M FROM TREE CENTRELINE
- DIMENSION 1.0 M LONG x 0.6 M WIDE x 0.75 M DEEP

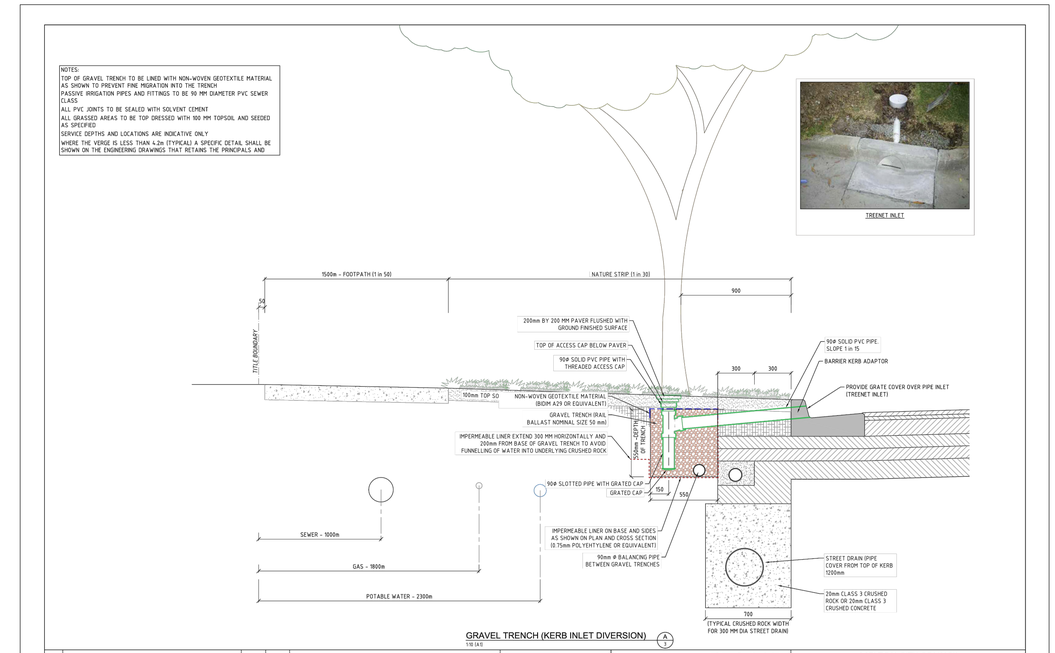
REV	DESCRIPTION	APP'D	DATE
F	UPDATED DESIGN - REISSUE	L.S	29.04.20
D	REVISED DESIGN - REISSUE	JMcL	01.03.19
C	REVISED DESIGN - REISSUE	JMcL	31.10.18
B	REVISED DESIGN	JMcL	09.10.18
A	PRELIMINARY ISSUE	HV	27.09.18

Alluvium Consulting Australia Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT No
H. VIRAHSAWMY	K. STANHOPE	J. MCLEAN		P198105

MELTON CITY COUNCIL
PASSIVE STREET TREE IRRIGATION
GRAVEL TRENCH (KERB INLET DIVERSION)
PLAN

REVISION	SHEET No:	ORIGINAL SIZE: A1	SCALE: 1:20 (A1) or 1:40 (A3)
F	4	DATUM: m AHD (MGA 2020)	0 0.2 0.4 0.6 0.8 1.2m



GRAVEL TRENCH (KERB INLET DIVERSION) A 2
1:10 (A1)

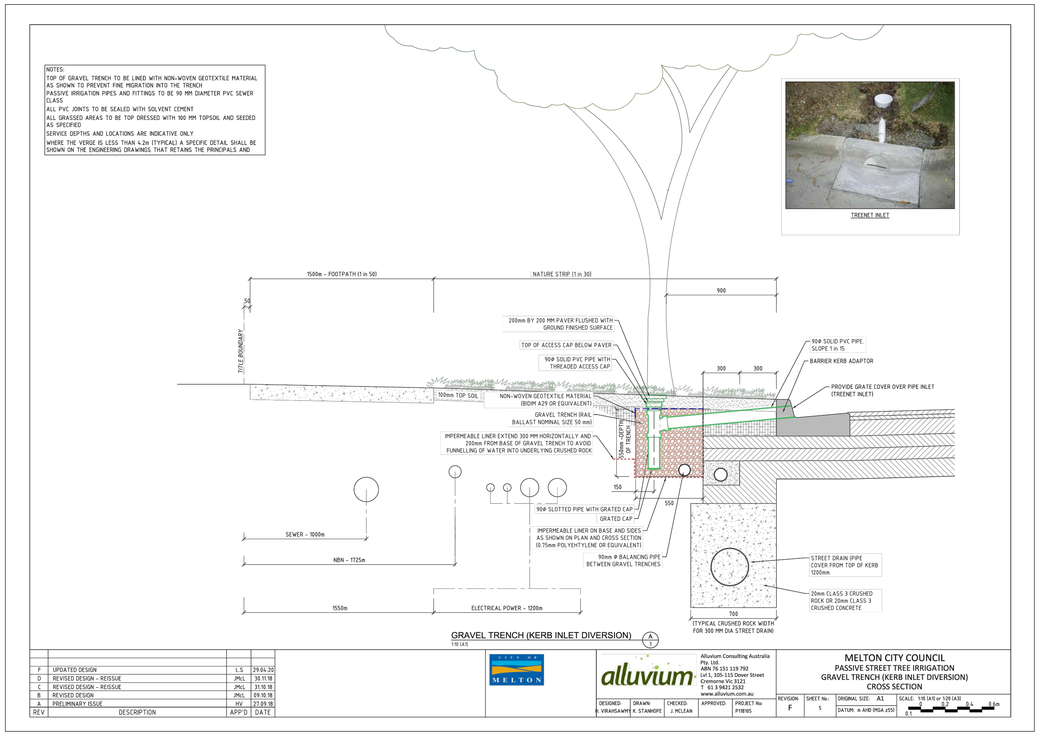
REV	DESCRIPTION	APP'D	DATE
F	UPDATED DESIGN	L.S	29.04.20
D	REVISED DESIGN - REISSUE	JMcL	30.11.18
C	REVISED DESIGN - REISSUE	JMcL	31.10.18
B	REVISED DESIGN	JMcL	09.10.18
A	PRELIMINARY ISSUE	HV	27.09.18

Alluvium Consulting Australia Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT No
H. VIRAHSAWMY	K. STANHOPE	J. MCLEAN		P198105

MELTON CITY COUNCIL
PASSIVE STREET TREE IRRIGATION
GRAVEL TRENCH (KERB INLET DIVERSION)
CROSS SECTION

REVISION	SHEET No:	ORIGINAL SIZE: A1	SCALE: 1:10 (A1) or 1:20 (A3)
F	5	DATUM: m AHD (MGA 2020)	0 0.2 0.4 0.6m 0.1



GRAVEL TRENCH (KERB INLET DIVERSION) A 2
1:10 (A1)

REV	DESCRIPTION	APP'D	DATE
F	UPDATED DESIGN	L.S	29.04.20
D	REVISED DESIGN - REISSUE	JMcL	30.11.18
C	REVISED DESIGN - REISSUE	JMcL	31.10.18
B	REVISED DESIGN	JMcL	09.10.18
A	PRELIMINARY ISSUE	HV	27.09.18

Alluvium Consulting Australia Pty. Ltd.
ABN 76 151 119 792
Lvl 1, 105-115 Dover Street
Cremorne Vic 3121
T 61 3 9421 2532
www.alluvium.com.au

DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT No
H. VIRAHSAWMY	K. STANHOPE	J. MCLEAN		P198105

MELTON CITY COUNCIL
PASSIVE STREET TREE IRRIGATION
GRAVEL TRENCH (KERB INLET DIVERSION)
CROSS SECTION

REVISION	SHEET No:	ORIGINAL SIZE: A1	SCALE: 1:10 (A1) or 1:20 (A3)
F	5	DATUM: m AHD (MGA 2020)	0 0.2 0.4 0.6m 0.1

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management - ISO 9001 Global-Mark.com.au®
OHS Management - AS/NZS 4801 Global-Mark.com.au®
Environmental Management - ISO14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q
PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

SCALE AS SHOWN AT A1

N

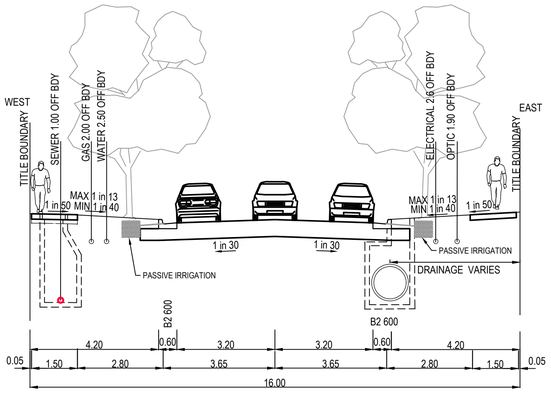
SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Passive Irrigation Detail

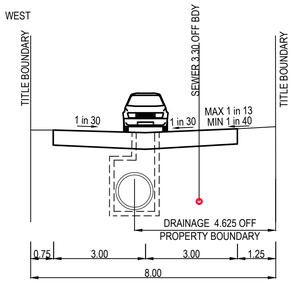
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-413	28 of 30	1

DWG PATH: V:_Vault\Projects_Urban\3070E-Botania\3070E-007\Dwgs\3070E-007-413.dwg PRINTED BY: JH16392 on 20/03/2024 at 01:24:13 PM



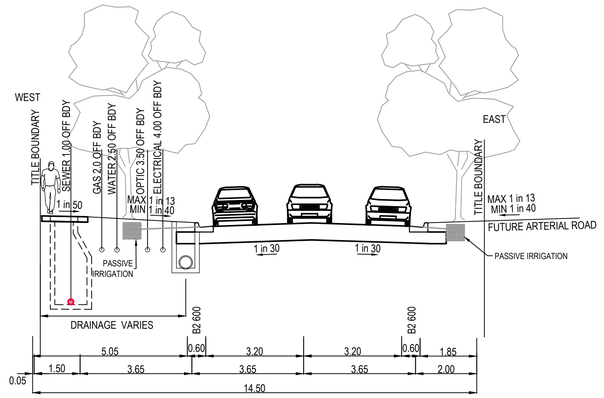
TYPICAL 16m ROAD RESERVE CROSS-SECTION
ACCESS STREET
TYPICAL SECTION- MARIGOLD DRIVE & LUMBERJACK RUN

NOTE: SEWER SHOULD BE LOCATED ON ONE SIDE ONLY. REFER TO DETAIL PLANS FOR ACTUAL LOCATION



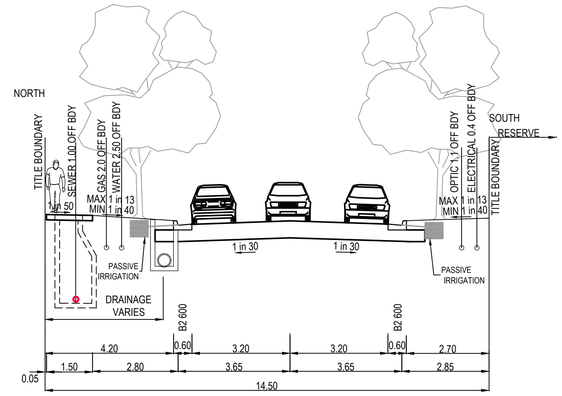
TYPICAL 8m ROAD RESERVE CROSS-SECTION
LANEWAY
TYPICAL SECTION- SPIDER FLOWER LANE

NOTE: SEWER SHOULD BE LOCATED ON ONE SIDE ONLY. REFER TO DETAIL PLANS FOR ACTUAL LOCATION



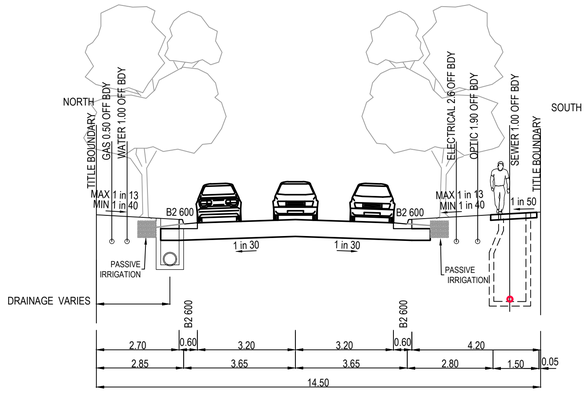
TYPICAL 14.5m ROAD RESERVE CROSS-SECTION
ACCESS STREET
TYPICAL SECTION- THYME CRESCENT LOTS 750-760

NOTE: SEWER SHOULD BE LOCATED ON ONE SIDE ONLY. REFER TO DETAIL PLANS FOR ACTUAL LOCATION



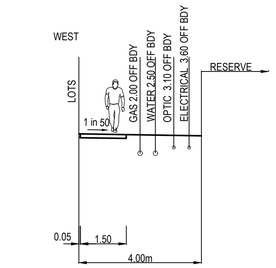
TYPICAL 14.5m ROAD RESERVE CROSS-SECTION
ACCESS STREET
TYPICAL SECTION- THYME CRESCENT LOTS 737-743

NOTE: SEWER SHOULD BE LOCATED ON ONE SIDE ONLY. REFER TO DETAIL PLANS FOR ACTUAL LOCATION

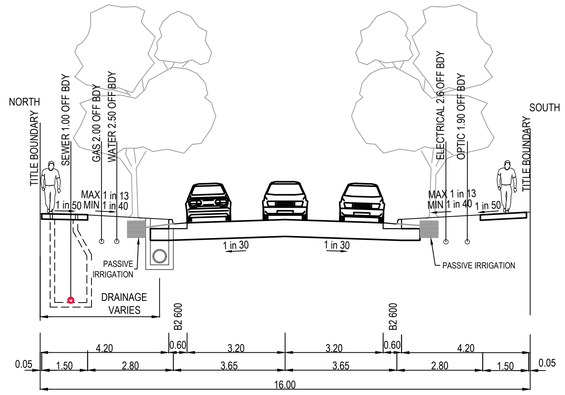


TYPICAL 14.5m ROAD RESERVE CROSS-SECTION
ACCESS STREET
TYPICAL SECTION- THYME CRESCENT LOTS 706- 711

NOTE: SEWER SHOULD BE LOCATED ON ONE SIDE ONLY. REFER TO DETAIL PLANS FOR ACTUAL LOCATION

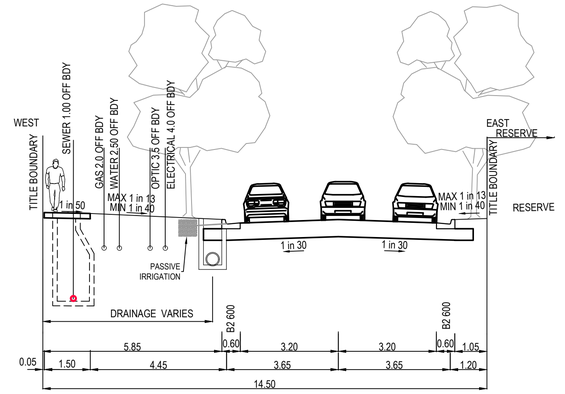


4m PINE CONE WALK RESERVE CROSS-SECTION
TYPICAL SECTION



TYPICAL 16m ROAD RESERVE CROSS-SECTION
ACCESS STREET
TYPICAL SECTION- THYME CRESCENT LOTS 701 - 704, 746 - 749, 733 - 734

NOTE: SEWER SHOULD BE LOCATED ON ONE SIDE ONLY. REFER TO DETAIL PLANS FOR ACTUAL LOCATION



TYPICAL 14.5m ROAD RESERVE CROSS-SECTION
ACCESS STREET
TYPICAL SECTION- SESAME STREET

NOTE: SEWER SHOULD BE LOCATED ON ONE SIDE ONLY. REFER TO DETAIL PLANS FOR ACTUAL LOCATION

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management ISO 9001 Global-Mark.com.au® | OHS Management AS/NZS 4801 Global-Mark.com.au® | Environmental Management ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q
PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

Scale 1:100 (0 1 2 4)
SCALE AS SHOWN AT A1

N

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Typical Cross Sections

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-421	29 of 30	2

PHASE	DISCIPLINE CODE		POTENTIAL RISK (Construction, Operations, Maintenance)		RISK OWNER	POTENTIAL CONSEQUENCES	POTENTIAL ELIMINATION MEASURE, DESIGN INITIATIVE or CONTROL (Identify any Standard or Code of practice used)	HOW ISSUE ADDRESED IN DESIGN AND/OR CONSTRUCTION OF THE WORKS	IS THE RISK ELIMINATED? YES / NO	RESIDUAL RISK LIKELIHOOD (0-5)	RESIDUAL RISK CONSEQUENCE (0-5)	RESIDUAL RISK RATING	RESIDUAL RISK OWNER
Road Furniture / Roadside Features													
Construction	RD	Roads	Construction close to live traffic	New works will be constructed adjacent to live traffic when abutting existing stages.	Contractor	Disruptions to live traffic, construction incident involving live traffic.	Provide safe temporary traffic control (TCP)	TCP provided within contract	N	5	3	15	Constructor
Construction	RD	Roads	Culverts	Potential risk from culverts under construction and height / fall hazards	Contractor	Falling from a height	Temporary barriers to be provided	Temporary barrier provided in contract	N	2	5	10	Constructor
Construction	US	Utilities or Services	Utilities become a hazard within clear zones	Vehicle conflict with utility / pit	Contractor	Personal injury, vehicle damage	Sequence works and protect with temp barrier or traffic control (TCP)	TCP provided within contract	N	1	5	5	Constructor
Operational	RD	Roads	Sight Lines	Inadequate drivers response time.	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Vis lines checked and discussed with approval authority as part of design approval process	N	1	4	4	Road Authority
Operational	LS	Lines and Signs	Signs and street lights	Potential for drivers / riders to strike signs and street lights	Road Authority	Increased potential for accidents	Ensure design complies with relevant standard. Undertake thorough Safety Audit	Refer to appropriate standard for sign and lighting offsets	N	1	4	4	Road Authority
Operational	RF	Road Furniture	Headwalls	Potential vehicle conflict within clear zone	Road Authority	Increased potential for accidents	Establish adequate clear zone provision	Adequate barrier provided as per appropriate standard where within clear zone. Culvert headwall selection in accordance with authority standard	N	2	4	8	Road Authority
Operational	RD	Roads	Culverts	Potential fall hazard during maintenance, by vechicles and pedestrians	Relevant Authority	Falling from a height	Barriers to be provided in accordance with road standards	Barriers to be provided and safe batter slopes (>1:3)	N	2	5	10	Constructor
Retaining Walls													
Construction	RW	Retaining Walls	Retaining Wall Alignment	Falling from height during construction or commissioning of walls and adjacent structures eg. sewer manholes	Contractor	Falling from a height	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	1	1	Constructor
Operational	RW	Retaining Walls	Retaining Wall Alignment	Lack of safe access/setback from road	Road/ Local Authority	Increased potential for accidents	Establish adequate and accessible clear zone provision. Provide guardrail where required	Wall located in suitable position during design process and approved by authority	N	1	1	1	Authority
Operational	RW	Retaining Walls	Retaining Wall Height	Potential for falling from height	Road/ Local Authority	Personal injury	Provide temporary and permanent fencing at top of wall.	Provide fencing (at heights) during design process	N	1	5	5	Authority
Operational	RW	Retaining Walls	Retaining Wall Design	Potential for wall failure	Road/ Local Authority	Increased potential for accidents	Structural design in accordance with standards, geotechnical conditions, end use and good practise.	Refer to structural drawings and calculations	N	1	5	5	Authority
Drainage													
Operational	DR	Drainage	Grated Pits	Trip/fall hazard with large spaced grate	Relevant Authority	Increased potential for accidents	Provide pedestrian/bicycle friendly grates where applicable. Refer to pit schedule	Design in accordance with authority and manufacturers standards	N	3	2	6	Authority
Operational	DR	Drainage	Non Standard Large Pits	Potential for pit failure	Relevant Authority	Increased risk to maintenance crews/ vehicles	Structural design in accordance with relevant design principles.	Refer to structural drawings and calculations	N	1	4	4	Authority
Operational	DR	Drainage	Culvert Endwalls/Headwalls	Potential for falling from height	Relevant Authority	Increased potential for accidents	Fencing to be provided where culverts/headwalls are at height in accordance with relevant authority standards	Allow for fencing in Design Process	N	1	4	4	Authority
Operational	DR	Drainage	Culvert Endwall/Headwall Outlets	Children playing in large pipes / watercourses and access for maintenance	Relevant Authority	Increased potential for accidents	Grate provided to authority standards	Design in accordance with authority and manufacturers standards	N	2	5	10	Authority
Maintenance	DR	Drainage	Access to Pits	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Provide safe landing/ access arrangements as per relevant authority standards	Where possible design pit in location for easy access and outside of permanent water bodies	N	2	5	10	Authority
Maintenance	DR	Drainage	Deep Pits	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, step irons to be provided to appropriate authority standards. Refer to pit schedule	Design in accordance with authority standards	N	1	5	5	Authority
Maintenance	DR	Drainage	Access to drains / culverts	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Access as approved by authority	Design pit in location for easy access as agreed with authority	N	2	3	6	
Sewer													
Construction	SE	Sewer	Sewer Manhole located adjacent to Retaining Wall Alignment	Falling from height during construction or commissioning of adjacent sewer manholes	Contractor	Falling from a height	Provide temporary fencing until such time that permanent fencing is constructed	Provide fencing (at heights) during design process	N	1	1	1	Constructor
Maintenance	SE	Sewer	Deep Manholes	Lack of safe entry for maintenance	Relevant Authority	Increased potential for accidents	Contractor to be certified for work in confined spaces, landings and step access provided as per authority standards and schedule	Design in accordance with authority standards. Refer pit schedule on drawings	N	1	5	5	Authority
Maintenance	SE	Sewer	Access to Manholes	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance. Manholes located in compliance with authority standards	Where possible design manhole in location for easy access	N	1	5	5	Authority
Maintenance	SE	Sewer	Pump Station Access	Lack of safe access for maintenance	Relevant Authority	Increased risk to maintenance crews	Provide safe working conditions for maintenance	Design pump station in location for easy access	N	2	4	8	Authority
Electricity													
Operational	ES	Electrical Services	Electrical Design	Location of assets within clear zones e.g., pits/ substations	Relevant Authority	Increased potential for accidents	Electrical designed by sub consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Telstra													
Operational	TE	Telstra	Telstra Design	Location of assets within clear zones e.g., pits	Relevant Authority	Increased potential for accidents	Telecommunications designed by authority consultant with appropriate accreditation and in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Water													
Operational	WA	Water	Water Design	Location of assets within clear zones e.g., pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	2	3	6	Authority
Gas													
Operational	GA	Gas	Gas Design	Location of assets within clear zones e.g., pits/ substations	Relevant Authority	Increased potential for accidents	Water pits designed in accordance with authority standards	Pits designed below ground. Where above ground adequate offset from vehicle clear zones has been provided or barrier protection provided	N	1	1	1	Authority

AS CONSTRUCTED PLANS

The purpose of these as-constructed plans is to update the design drawings to show significant changes which occurred during construction. Note that the levels shown on these plans are design levels, and have not been verified by survey. All information shown on these plans should be verified on site. SMEC Australia Pty Ltd accept no responsibility for loss or damages resulting from the inappropriate usage of these plans.

Quality Management ISO 9001 · OHS Management AS/NZS 4801 · Environmental Management ISO14001 — Global-Mark.com.au®

PLAN OF SUB. NO. PS905185Q

PERMIT REF. NO. PA2018/6004/1

AS CONSTRUCTED

SCALE AS SHOWN AT A1

N

SMEC
Member of the Surbana Jurong Group
© ABN 47 065 475 149
Collins Square, Tower 4, Level 20, 727 Collins St
Melbourne, VIC 3008
Ph 03 9514 1500

GROWLAND

Botania - Stage 7
Melton City Council
Road and Drainage
Safety In Design

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
355 G5	3070E-007-500	30 of 30	1