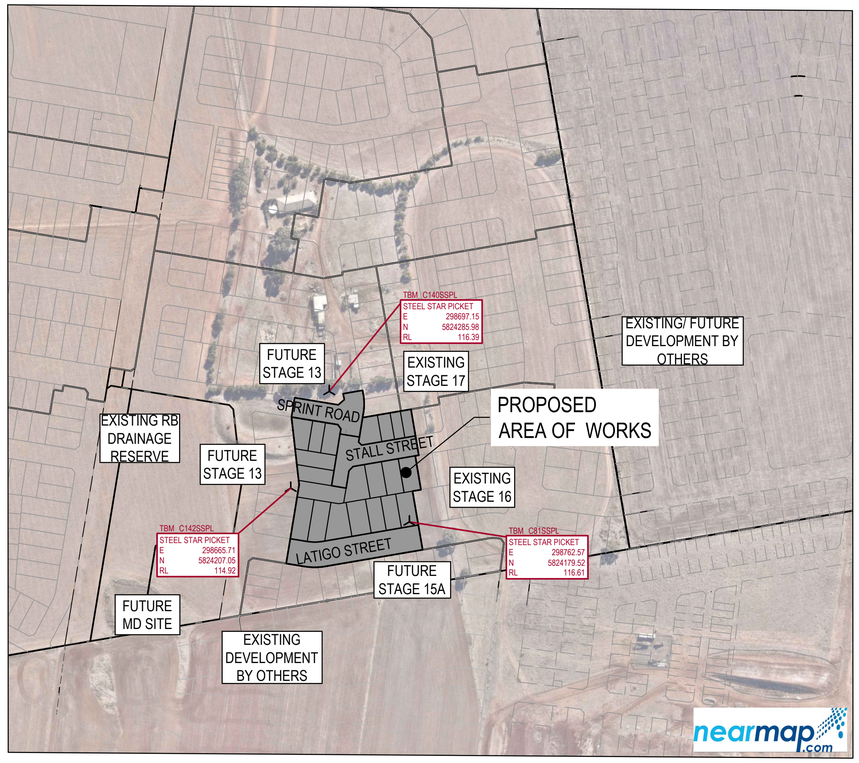
Westwood Stage 15



Drawing Index

GAS AND FUEL NOTES
CONDITIONS FOR WORKS NEAR TRANSMISSION PIPELINES

DAMAGE TO A TRANSMISSION PIPELINE COULD RESULT IN

- GAS ESCAPING AT PRESSURES UP TO 10,000 KPA.
- LOSS OF GAS TO THOUSANDS OF CONSUMERS.
- POSSIBLE EXPLOSION AND FIRE.
- SUBSTANTIAL REPAIR AND GAS RESTORATION LIABILITY DAMAGE COSTS TO THE AUTHORITY OR PRINCIPAL RESPONSIBLE.

CONDITIONS

TO DETERMINE THE EXACT LOCATION OF A PIPELINE PRIOR TO COMMENCEMENT OF DESIGN WORK AND/OR CONSTRUCTION, HAND EXCAVATED PROVINGS MUST BE CARRIED OUT AND ONLY UNDER THE SUPERVISION OF A CORPORATION INSPECTOR.

A MINIMUM 48 HOURS NOTICE OF INTENDED PROVINGS AND /OR CONSTRUCTION MUST BE GIVEN TO OUR PIPELINES SECURITY OFFICE, DANDENONG, TELEPHONE (03)9797 5263, TO ENABLE ARRANGEMENTS TO BE MADE TO HAVE A CORPORATION INSPECTOR ON SITE DURING WORK. NO CHARGE IS MADE FOR THIS SERVICE.

NO MECHANICAL EQUIPMENT IS TO BE USED WITHIN 1 METRE OF THE PIPELINE EVEN AFTER THE PIPELINE HAS BEEN PROVEN (EXCEPT FOR BORING OPERATIONS).

WHEN A BORE IS TO PASS UNDER OR OVER A PIPELINE, HAND EXCAVATION ADJACENT TO THE PIPELINE MUST FIRST BE MADE 1 METRE ON THE SIDE FROM WHICH THE BORE WILL APPROACH. THE AUGER IS TO BE CHECKED WHEN IT REACHES THIS EXCAVATION TO ENSURE THAT THE REQUIRED MINIMUM CLEARANCE IS MAINTAINED BETWEEN THE BORE AND THE PIPELINE.

ANY BLASTING SHOULD BE CARRIED OUT WITH EXTREME CAUTION AND ONLY IN THE PRESENCE OF A CORPORATION INSPECTOR.

BLASTING RESTRICTIONS MUST BE IN ACCORDANCE WITH SAA EXPLOSIVES CODE 2187, AND ONLY MODIFIED AFTER EXPLICIT AGREEMENT WITH A CORPORATION ENGINEER.

MINIMUM CLEARANCES FOR DESIGN PURPOSES AND/OR CONSTRUCTION

- ALL WORKS SHALL COMPLY TO APA DOCUMENT "580-POL-L-0001 REV.4 STANDARD CONDITIONS FOR WORKS NEAR APA GAS TRANSMISSION PIPELINES"
- NO VIBRATION INDUCING WORKS IS ALLOWED WITHIN 3m OF THE GAS TRANSMISSION PIPE LINES.
- EXCAVATION ABOVE THE GAS PIPELINE SHALL BE CONDUCTED PER APA PROCEDURE 320-PR-OM-0067 REV.3
- MINIMUM OF 1.2m COVER REQUIRED OVER GAS PIPELINES

SURVEY CONTROL POINTS				
POINT	EASTING	NORTHING	RL (AHD)	DESCRIPTION
C81SSPL	298762.57	5824179.52	116.61	STEEL STAR PICKET
C140SSPL	298697.15	5824285.98	116.39	STEEL STAR PICKET
C142SSPL	298665.71	5824207.05	114.92	STEEL STAR PICKET

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. 2152E-15-500

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

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NOTE:
SETOUT CO-ORDINATES ARE AS PER LOCAL DATUM.
TRANSLATION TO MGA ZONE 55 APPLY THE FOLLOWING:
EASTING +310,000.00
NORTHING +5,840,000.00

GENERAL NOTES

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE CONDITIONS OF CONTRACT AND CURRENT MELTON CITY COUNCIL SPECIFICATIONS AND GAA STANDARD DRAWINGS TO THE SATISFACTION OF THE SUPERVISING ENGINEER OR HIS 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 DELFIN ON 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 MCC 202.
22. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. CONDUITS TO BE PLACED A MINIMUM OF 5M FROM BOUNDARIES/EASEMENTS AND TO THE SATISFACTION OF THE SUPERINTENDENT. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS G,W,E AND T ABOVE CONDUIT LOCATIONS AS PER STANDARD DRAWING MSC 104. DW & NDW CONDUITS TO BE INSTALLED IN SEPARATE DUCTS TO WESTERN WATER REQUIREMENT.
23. ALL SERVICING TRENCHES UNDER ROADS, FOOTPATHS, DRIVEWAYS, PARKING BAYS ETC. ARE TO BE BACKFILLED WITH CLASS 3 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 THICK CONCRETE CENTRALLY REINFORCED WITH SL72 MESH ON 50MM COMPACTED DEPTH 20MM CLASS 3 FCR BASE AS PER STANDARD DRAWING EDCM 401.
28. ALL RESIDENTIAL DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH EDCM 501 & EDCM 502. 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 AS3996. FIBRE GLASS LIDS TO BE CLASS B OR ABOVE. NOT GREATER THAN 25KG IN WEIGHT FOR 600X900 PIT IMPRINTED WITH 'AS3996 CLASS B' AND WEIGHT IN KILOGRAMS, IN 25MM LETTERING.
39. BATTERS STEEPER THAN 1IN6 SHALL BE HYDRO MULCHED.
40. THE CONTRACTOR MUST:
    - 40.1. OBTAIN A "WATER CARTER PERMIT" FROM WESTERN WATER'S PROPERTY SERVICES TEAM ON 9218 5560 TO TAKE AND USE ANY WATER FROM WESTERN WATER'S SYSTEM FOR CONSTRUCTION PURPOSES;
    - 40.2. COMPLY WITH THAT WATER CARTER PERMIT AT ALL TIMES INCLUDING COMPLYING WITH CURRENT PERMANENT WATER SAVING RULES AND APPLYING FOR AND COMPLYING WITH ANY EXCEPTIONS TO THOSE RULES.
41. ALL PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20MM CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
    - 41.1. BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
    - 41.2. ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE.

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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WESTWOOD

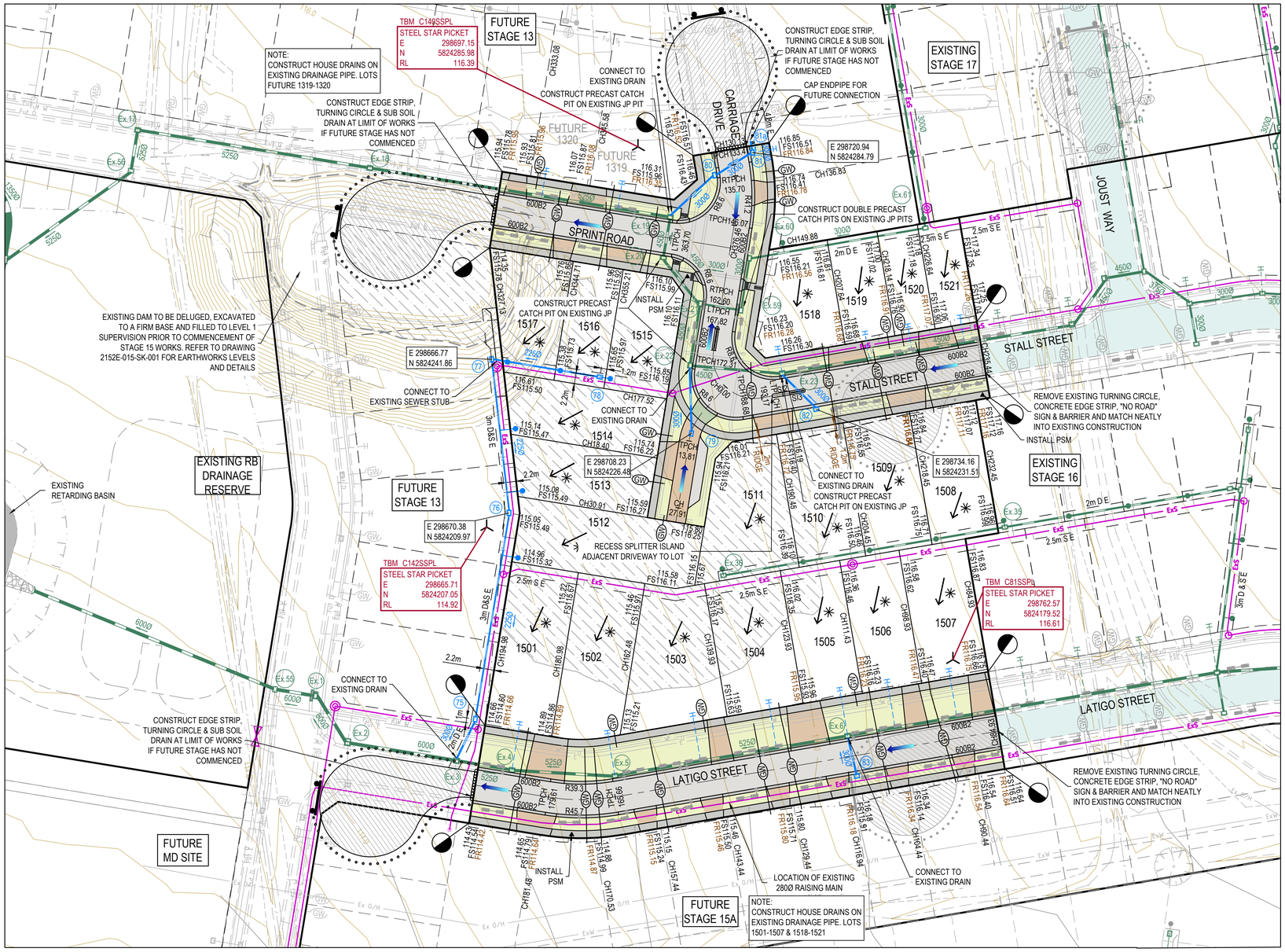
Westwood - Stage 15
Melton City Council
Road and Drainage
Cover Plan & General Notes

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-101	01 of 18	A

DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-101.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:28:20 PM

ROAD NAME	ROAD 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
STALL STREET	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
LATIGO STREET	20.50	6.40	7.30	7.60	B2	B2	8.70	4.20
SPRINT ROAD	16.00	6.40	7.30	7.60	B2	B2	4.20	4.20
EXTENDED DRIVEWAY	12.00	4.00	-	-	-	-	-	-

ROAD NAME	GAS	WATER	ELECTRICITY	OPTIC FIBRE
	OFFSET (m)	OFFSET (m)	OFFSET (m)	OFFSET (m)
STALL STREET	1.90 N / W	2.40 N / W	2.40 S / E	1.80 S / E
LATIGO STREET	1.90 N	2.40 N	3.65 N	2.85 N
SPRINT ROAD	1.90 N	2.40 N	2.30 S	1.80 S
EXTENDED DRIVEWAY	1.90 W	2.40 W	1.35 E	0.80 E



LEGEND - LAYOUT PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	STORMWATER DRAIN, PIT & PROPERTY INLET
	MAIN DRAIN
	SWALE DRAIN
S	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
Ex H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
Ex 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
GWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER DRAIN
	FUTURE MAIN DRAIN
	FUTURE SWALE DRAIN
FUT S	FUTURE SEWER & MAINTENANCE STRUCTURES
Fut 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
GWR	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

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WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Layout Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-111	02 of 18	A

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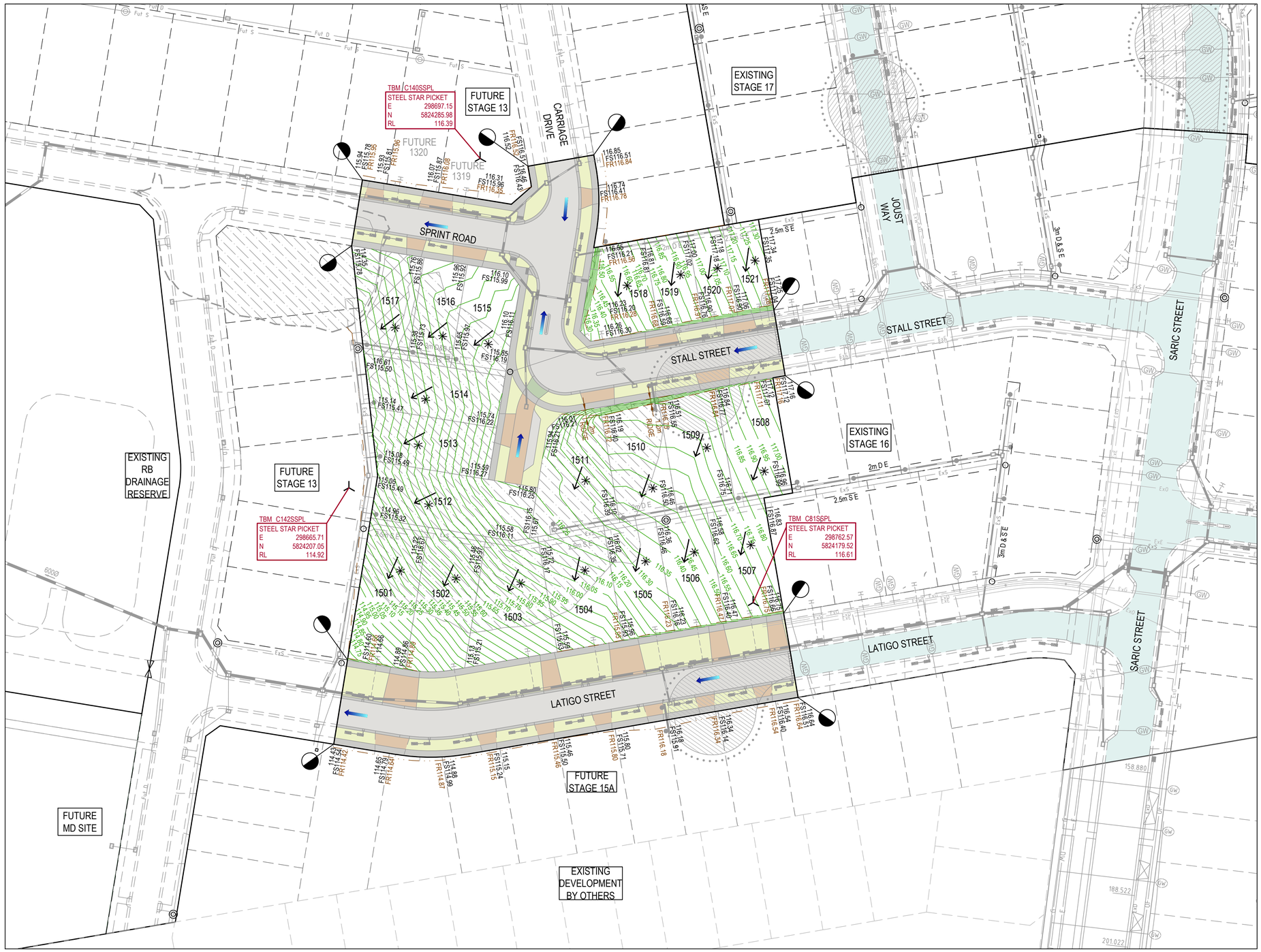

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WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Earthworks & Retaining Wall Setout Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-131	03 of 18	A

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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
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WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Signage & Linemarking Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-171	04 of 18	A

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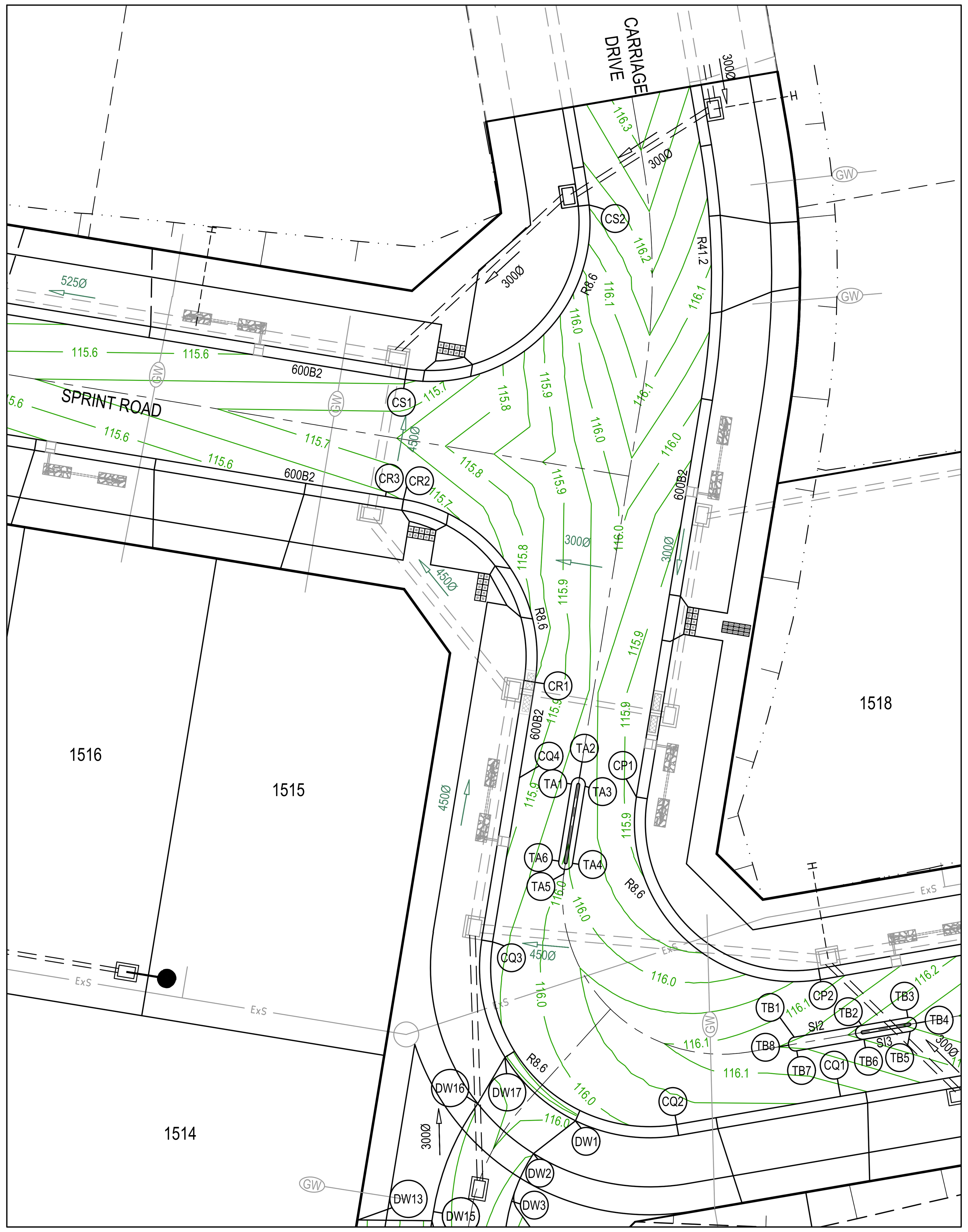
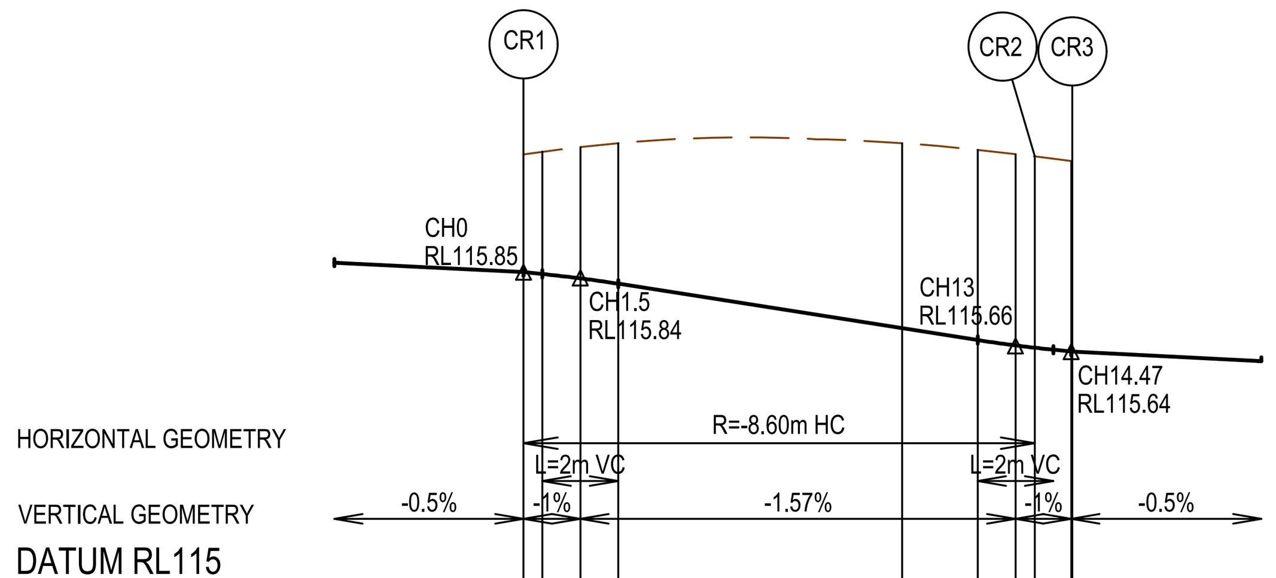


LEGEND - INTERSECTION DETAIL PLAN

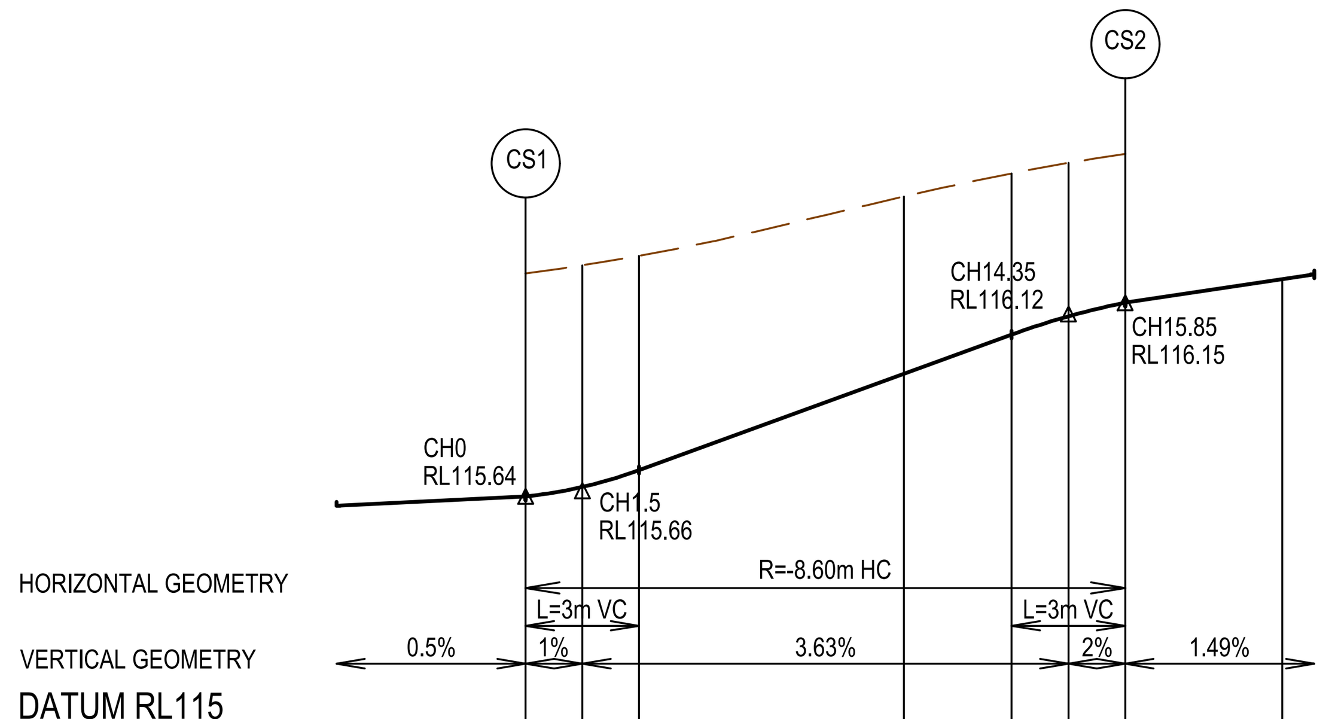
ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

	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



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	NORTHING	EASTING
0.00	115.85	116.16	5824253.84	298711.28
0.50	115.85	116.17	5824254.34	298711.34
1.50	115.84	116.18	5824255.34	298711.39
2.50	115.82	116.19	5824256.34	298711.32
10.00	115.70	116.19		
12.00	115.67	116.17	5824263.35	298705.64
13.00	115.66	116.16	5824263.62	298704.68
13.51	115.65	116.16	5824263.72	298704.18
14.47	115.64	116.15	5824263.88	298703.23
14.50	115.64	116.14	5824263.88	298703.20

LIP LINE CR



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	NORTHING	EASTING
0.00	115.64	116.23	5824270.19	298704.26
1.50	115.67	116.25	5824270.08	298705.76
3.00	115.71	116.28	5824270.23	298707.25
10.00	115.97	116.43		
12.85	116.07	116.50	5824276.64	298714.01
14.35	116.12	116.52	5824278.12	298714.23
15.85	116.15	116.55	5824279.62	298714.20
20.00	116.22			

LIP LINE CS

TRAFFIC ISLAND SETOUT TABLE

ALIGNMENT TA

POINT NO	EASTING	NORTHING
TA1	298713.241	5824248.347
TA2	298713.674	5824248.673
TA3	298713.981	5824248.226
TA4	298713.301	5824244.065
TA5	298712.870	5824243.755
TA6	298712.560	5824244.186

ALIGNMENT TB

POINT NO	EASTING	NORTHING
TB1	298725.289	5824234.681
TB2	298728.917	5824235.303
TB3	298731.416	5824235.732
TB4	298731.866	5824235.428
TB5	298731.543	5824234.993
TB6	298729.044	5824234.564
TB7	298725.416	5824233.941
TB8	298724.966	5824234.245

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.

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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SUBJECT TO APPROVAL

PLAN OF SUB. NO.

PERMIT REF. NO. PA2017/5710

0 2 4 8 Scale 1:200

0 2 4 8 / 0 0.2 0.4 0.8 Scale H1:200, V1:20

SCALE AS SHOWN AT A1

N

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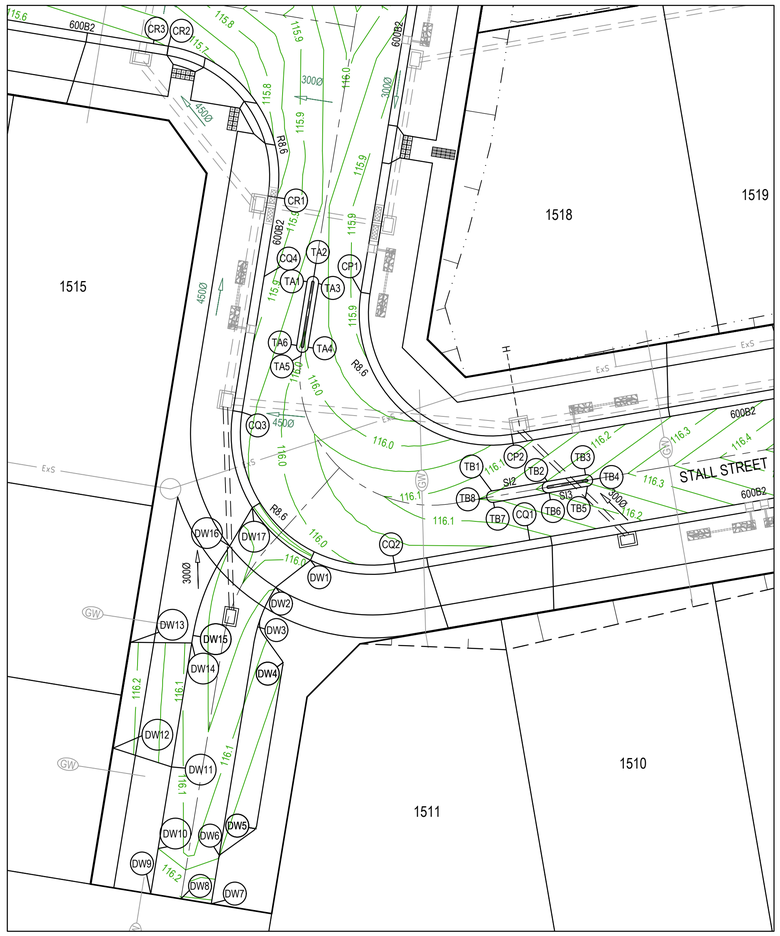
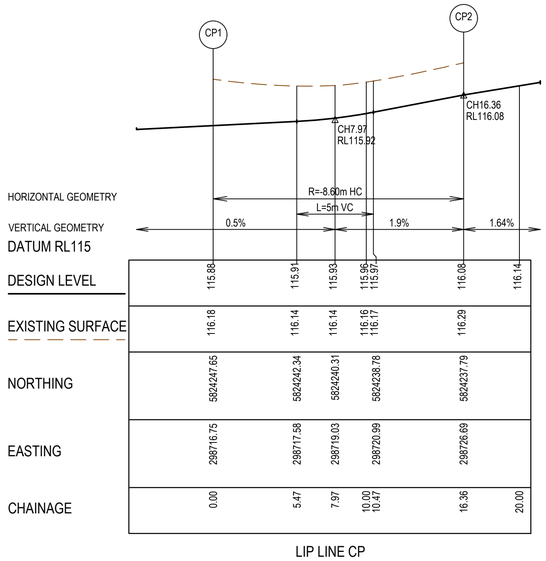
WESTWOOD

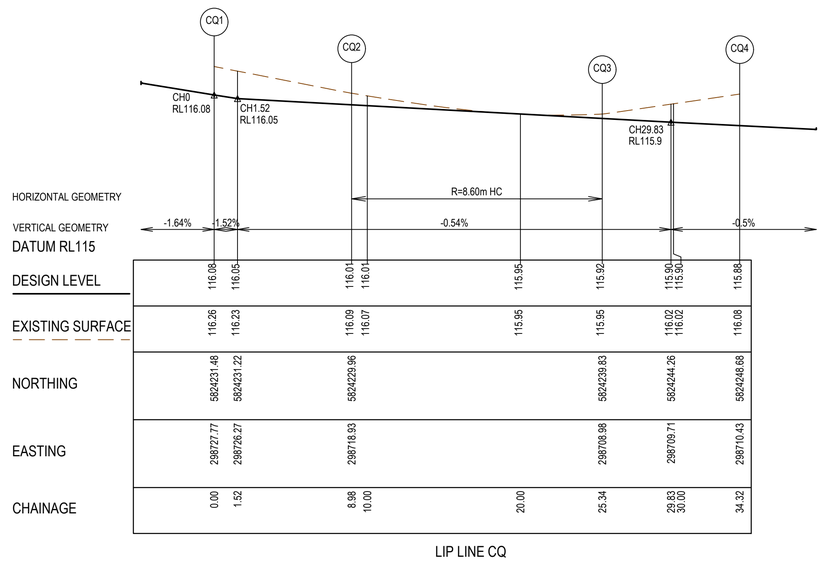
Westwood - Stage 15
Melton City Council
Road and Drainage
Intersection Detail Plan - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-181	05 of 18	A

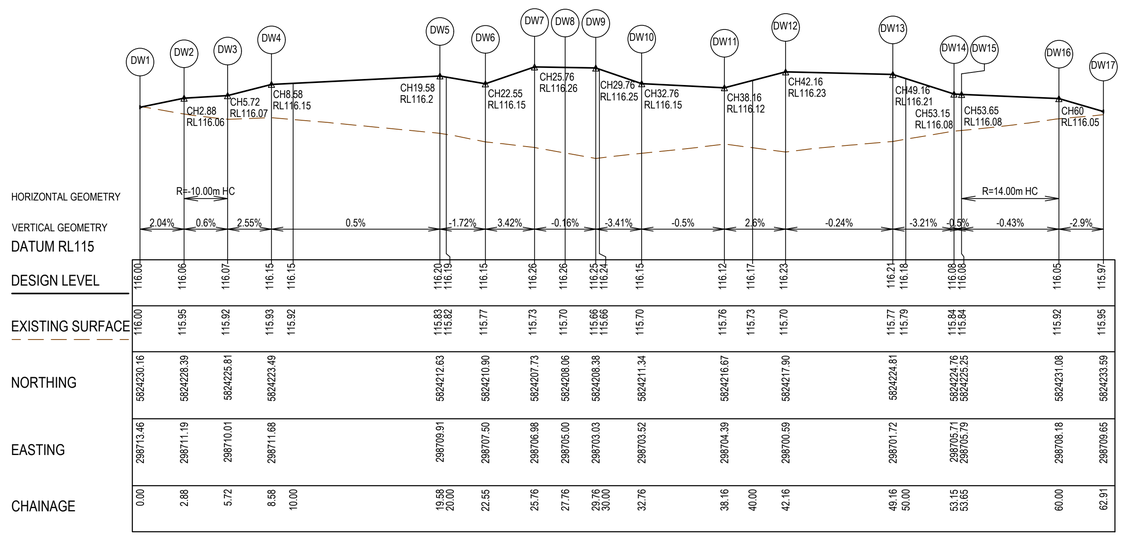




LIP LINE CP



LIP LINE CQ



LIP LINE DW

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

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.

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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Scale H1:200, V1:20

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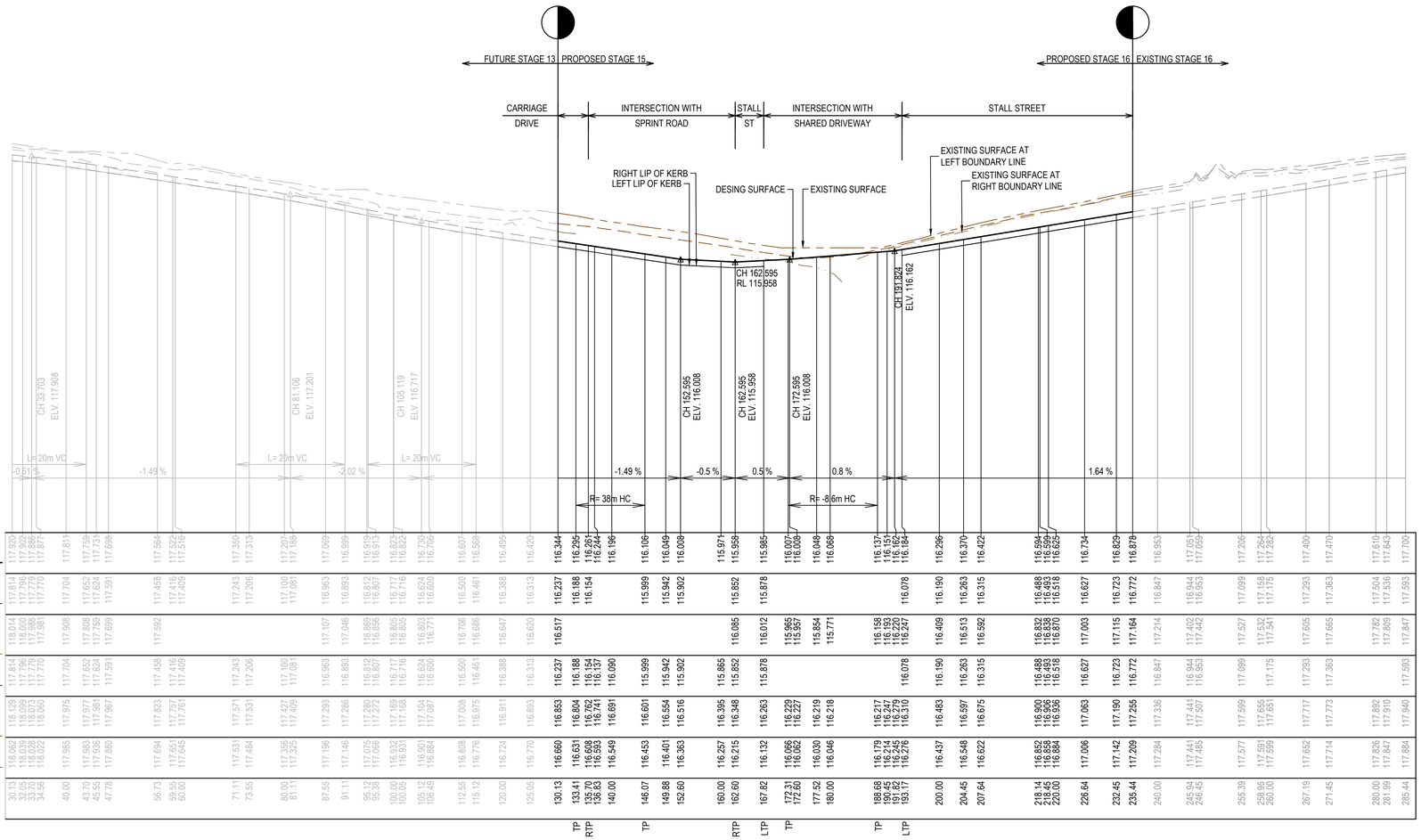
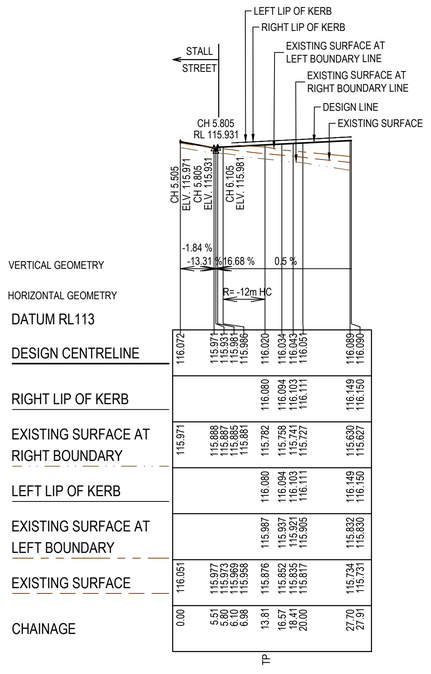
WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Intersection Detail Plan - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-182	06 of 18	A



CARRIAGE DRIVE/ STALL STREET LONGITUDINAL SECTION



SHARED DRIVEWAY LONGITUDINAL SECTION

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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0 5 10 20
0 0.5 1 2
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SCALE AS SHOWN AT A1

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WESTWOOD

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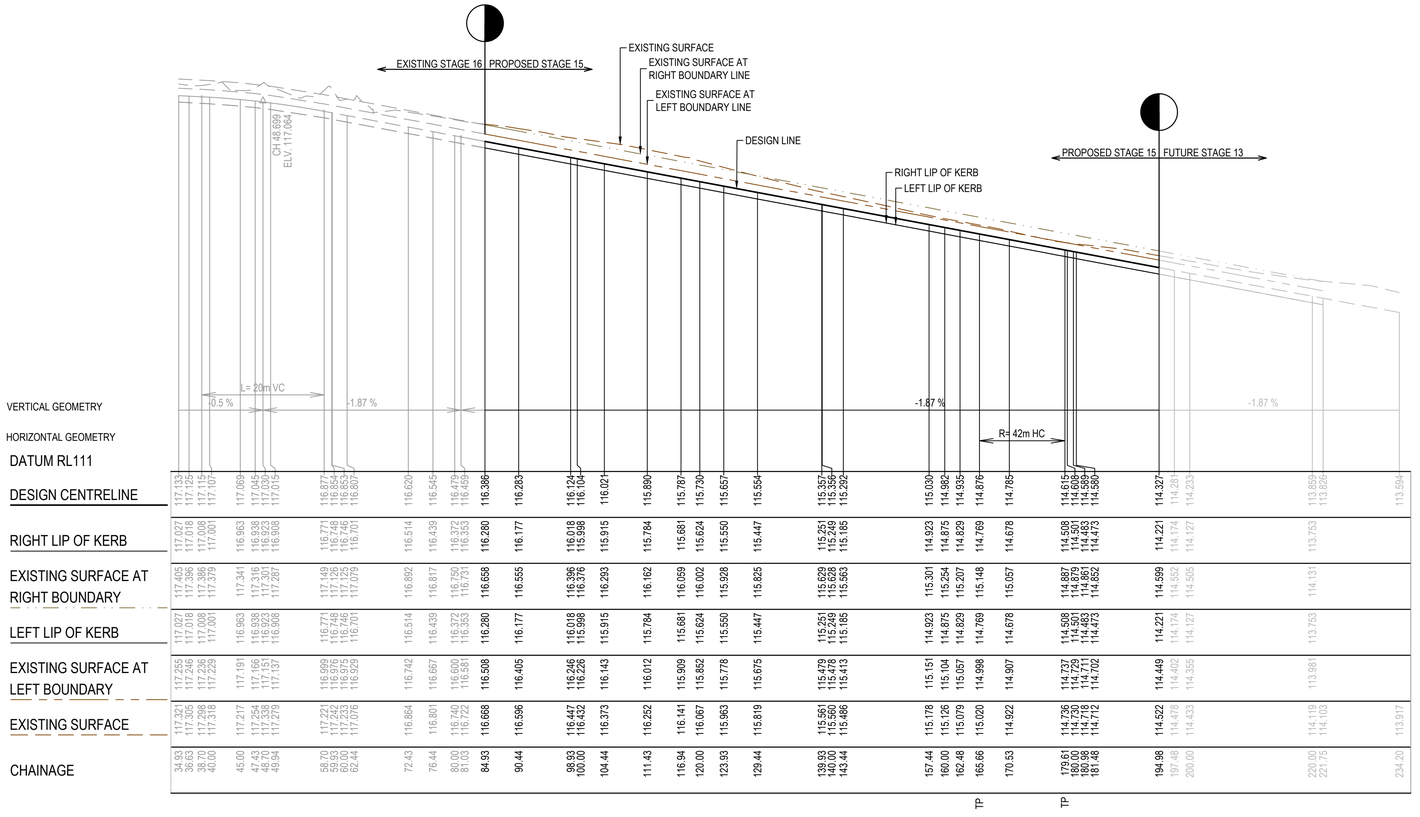
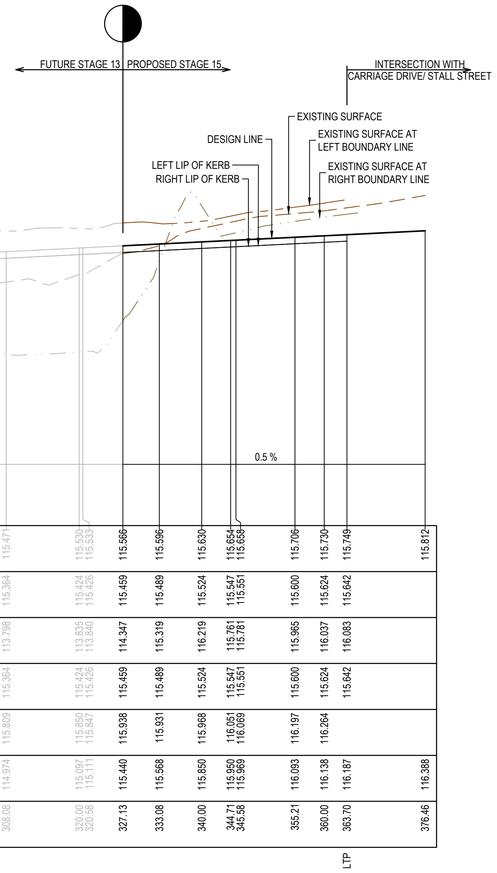
Melton City Council
Road and Drainage
Longitudinal Sections - 1

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-201	07 of 18	A



LATIGO STREET LONGITUDINAL SECTION



SPRINT ROAD LONGITUDINAL SECTION

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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PERMIT REF. NO. PA2017/5710

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0 5 10 20
0 0.5 1 2
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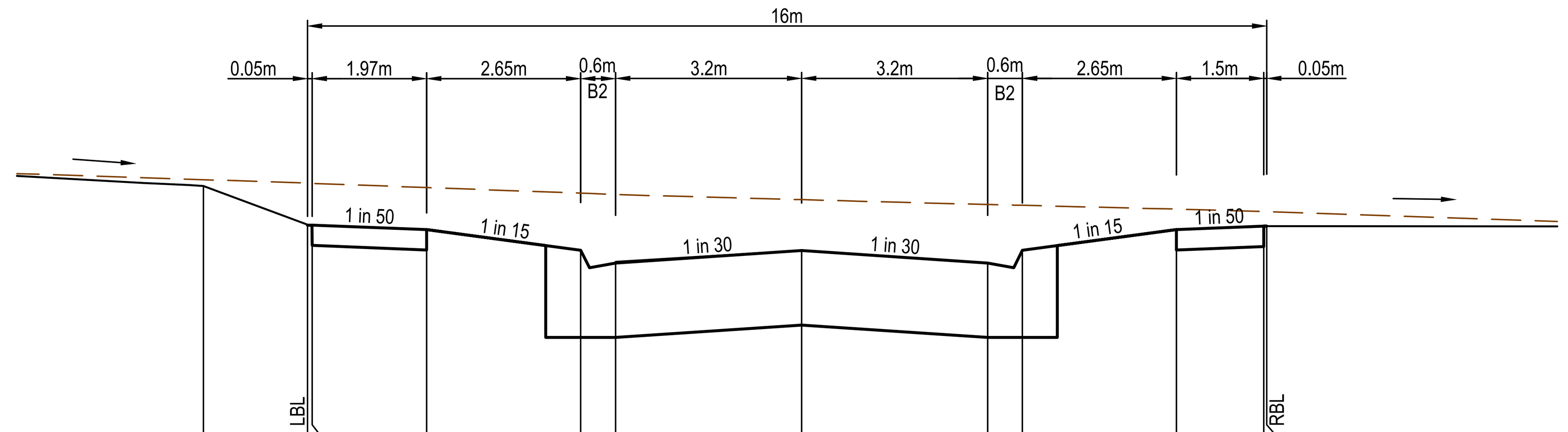
WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Longitudinal Sections - 2

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-202	08 of 18	A

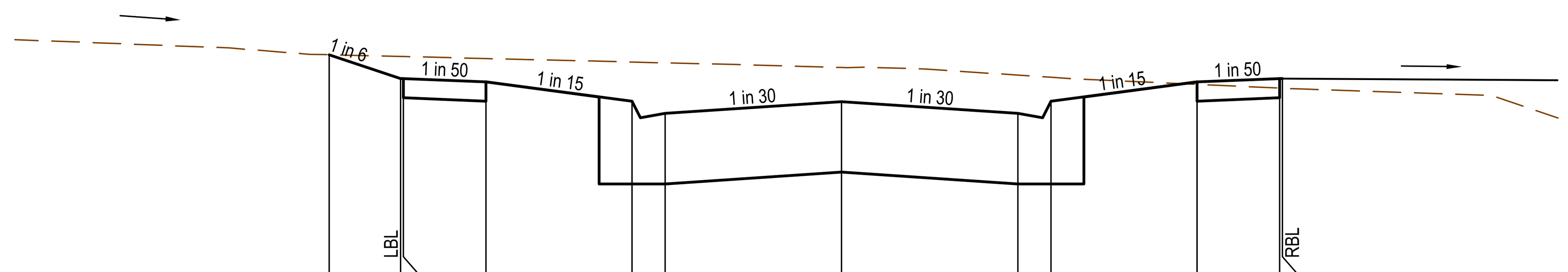
DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-202.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:31:50 PM

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



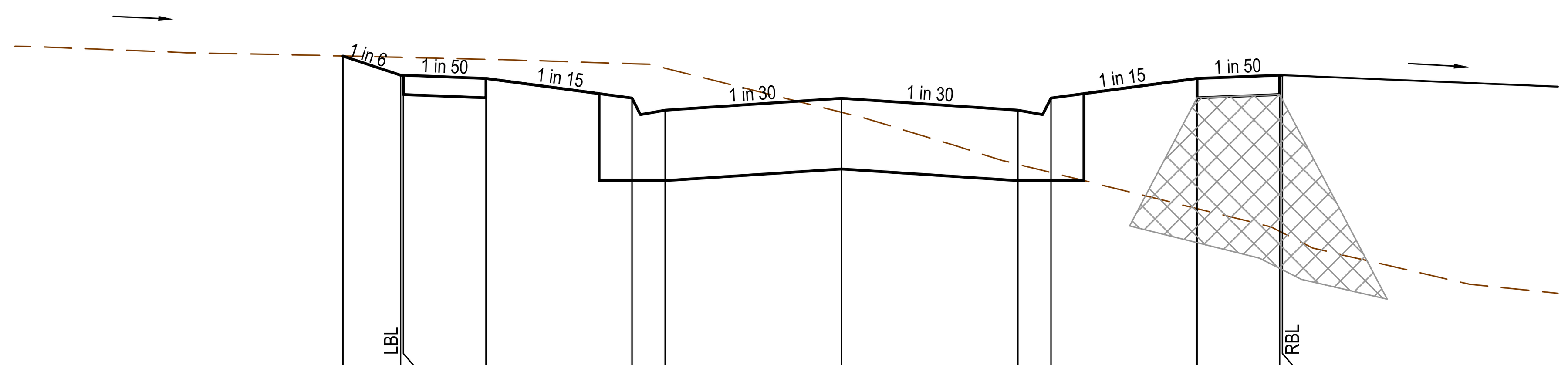
DATUM114.0												
DESIGN SURFACE	116.30	115.97	115.97	115.93	115.75	115.64	115.75	115.64	115.75	115.93	115.96	115.96
EXISTING SURFACE	116.36	116.33	116.33	116.29	116.24	116.23	116.19	116.15	116.14	116.10	116.08	116.08
OFFSET	-10.29	-8.50	-8.42	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

LTP CH 363.70



DATUM114.0												
DESIGN SURFACE	116.08	115.87	115.87	115.84	115.66	115.55	115.66	115.55	115.66	115.84	115.87	115.87
EXISTING SURFACE	116.08	116.07	116.07	116.05	116.02	116.01	115.97	115.90	115.88	115.82	115.78	115.78
OFFSET	-9.30	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 345.58



DATUM113.0												
DESIGN SURFACE	115.95	115.78	115.78	115.75	115.57	115.46	115.57	115.46	115.57	115.75	115.78	115.78
EXISTING SURFACE	115.95	115.94	115.94	115.92	115.88	115.84	115.44	114.97	114.89	114.57	114.36	114.35
OFFSET	-9.05	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

CH 327.13

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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PLAN OF SUB. NO.

PERMIT REF. NO.
PA2017/5710

SUBJECT TO APPROVAL

0 1 2 4
0 0.5 1 2
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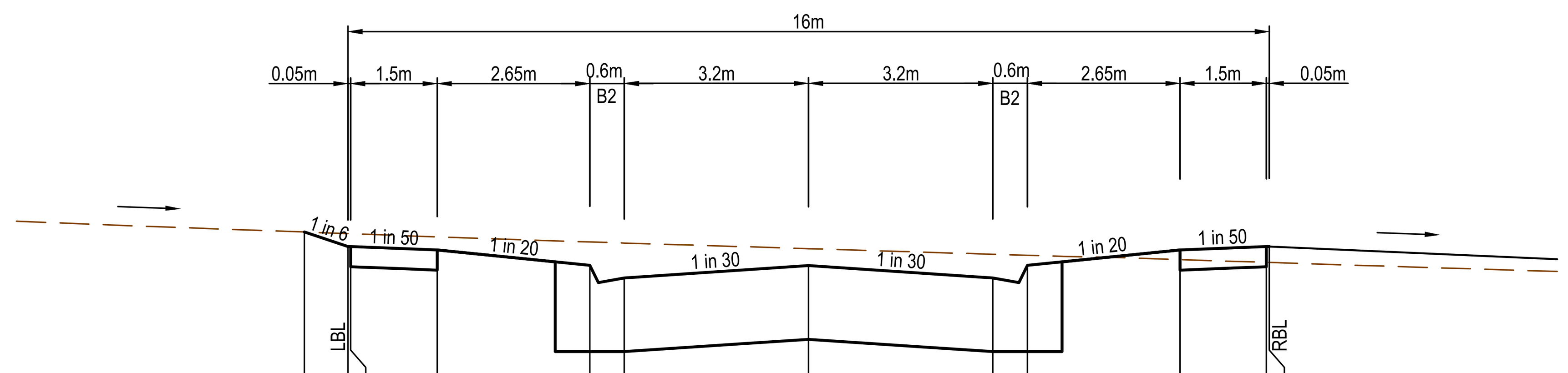
WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Cross Sections: Sprint Road
Ch 327.13 - Ch 363.70

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-251	09 of 18	A

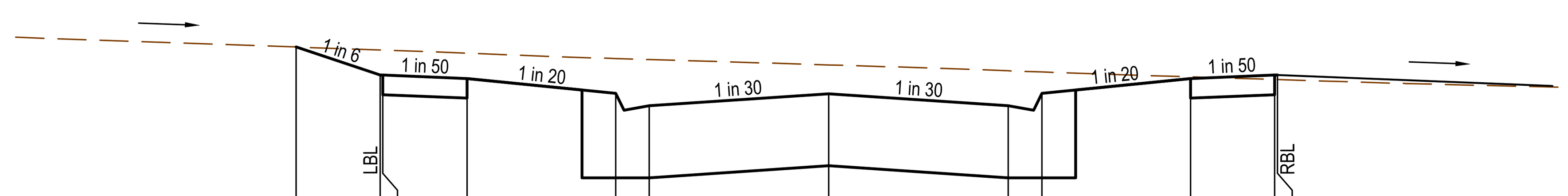
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



DATUM115.0

DESIGN SURFACE	116.28	116.15	116.15	116.12	115.99	115.88	115.98	115.88	115.99	116.12	116.15	116.15
EXISTING SURFACE	116.28	116.26	116.26	116.23	116.19	116.18	116.13	116.08	116.07	116.04	116.01	116.01
OFFSET	-8.76	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

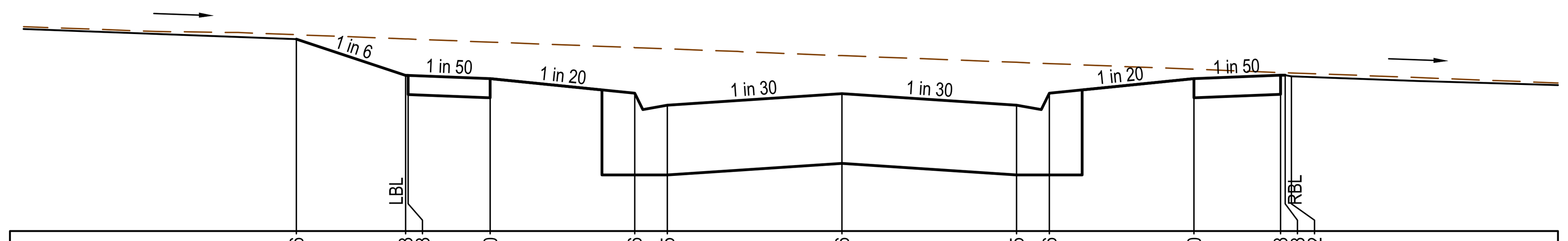
LTPCH 167.82



DATUM115.0

DESIGN SURFACE	116.37	116.12	116.12	116.09	115.96	115.85	115.96	115.85	115.96	116.09	116.12	116.12
EXISTING SURFACE	116.37	116.35	116.35	116.32	116.27	116.26	116.22	116.16	116.15	116.11	116.09	116.08
OFFSET	-9.50	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00

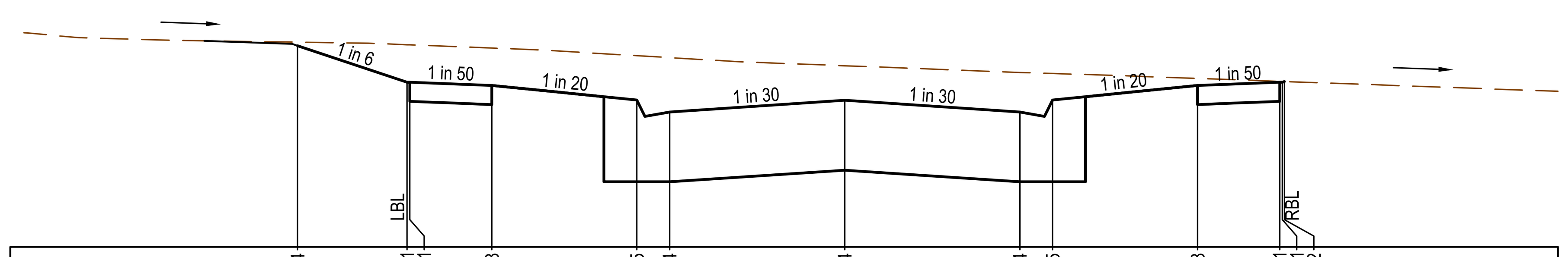
RTPCH 162.60



DATUM115.0

DESIGN SURFACE	116.76	116.43	116.43	116.40	116.26	116.15	116.26	116.15	116.26	116.40	116.43	116.43	116.42
EXISTING SURFACE	116.80	116.76	116.76	116.73	116.68	116.67	116.61	116.55	116.54	116.48	116.45	116.45	116.45
OFFSET	-10.00	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	8.04	8.12	8.13

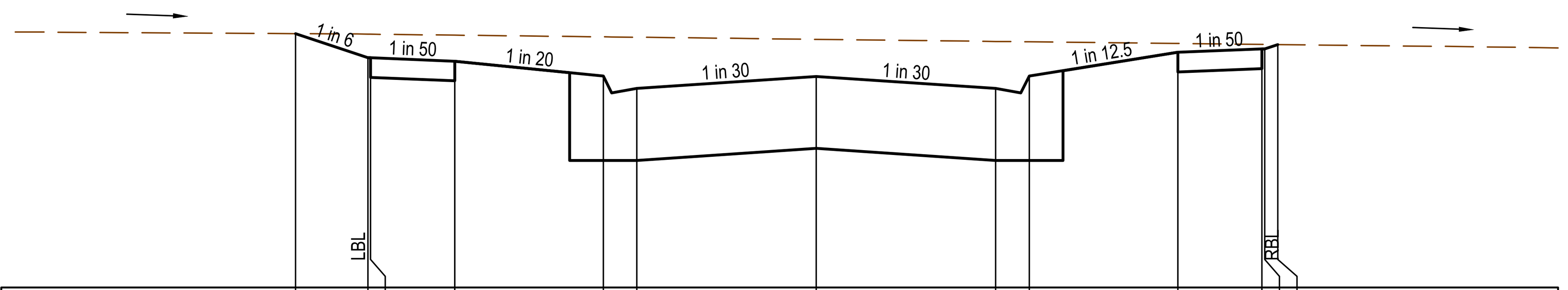
RTPCH 135.70



DATUM115.0

DESIGN SURFACE	116.84	116.51	116.51	116.48	116.35	116.24	116.34	116.24	116.35	116.48	116.51	116.51	116.52
EXISTING SURFACE	116.88	116.85	116.85	116.82	116.75	116.73	116.66	116.60	116.59	116.54	116.52	116.52	116.52
OFFSET	-10.00	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.04

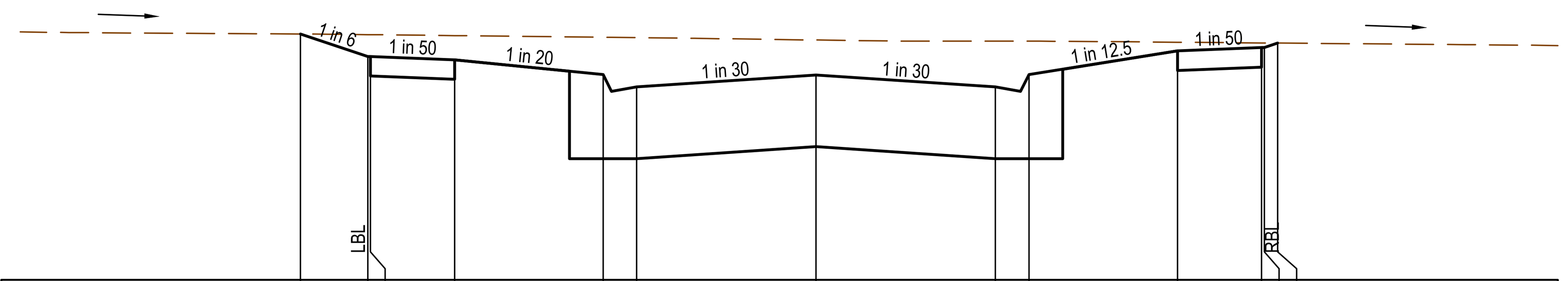
CH 130.13



DATUM115.0

DESIGN SURFACE	117.26	117.04	117.04	117.01	116.88	116.77	116.88	116.77	116.88	117.09	117.12	117.12	117.16
EXISTING SURFACE	117.26	117.25	117.25	117.25	117.23	117.23	117.21	117.19	117.19	117.17	117.16	117.16	117.16
OFFSET	-9.29	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.23

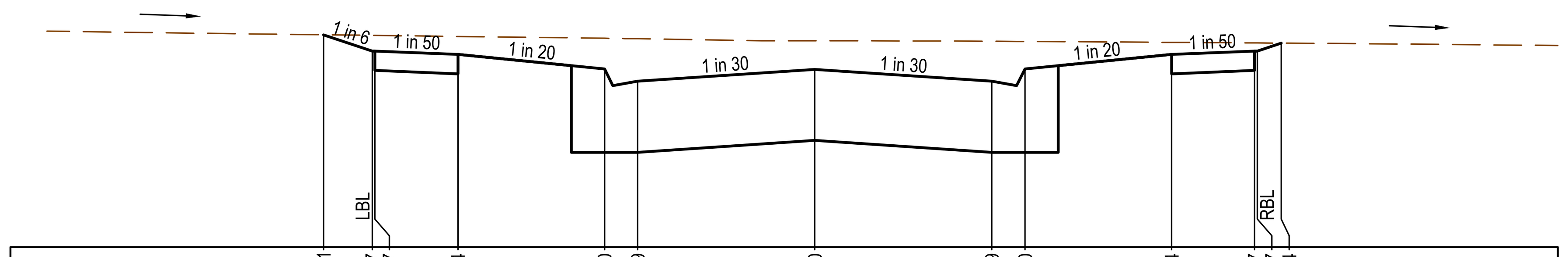
CH 235.44



DATUM115.0

DESIGN SURFACE	117.20	117.00	117.00	116.97	116.83	116.72	116.83	116.72	116.83	117.04	117.07	117.07	117.11
EXISTING SURFACE	117.20	117.19	117.19	117.18	117.17	117.16	117.14	117.13	117.13	117.12	117.12	117.12	117.11
OFFSET	-9.20	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.24

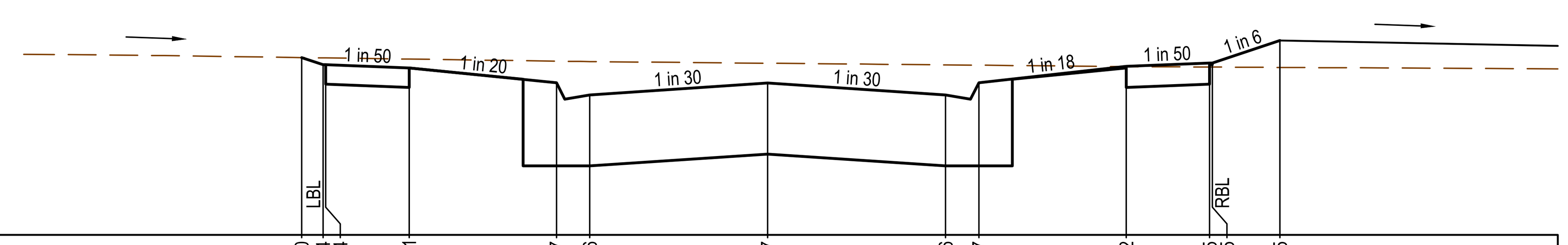
CH 232.45



DATUM115.0

DESIGN SURFACE	116.91	116.77	116.77	116.74	116.60	116.49	116.60	116.49	116.60	116.74	116.77	116.77	116.84
EXISTING SURFACE	116.91	116.91	116.91	116.90	116.88	116.88	116.86	116.85	116.85	116.84	116.84	116.84	116.84
OFFSET	-8.88	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	8.43

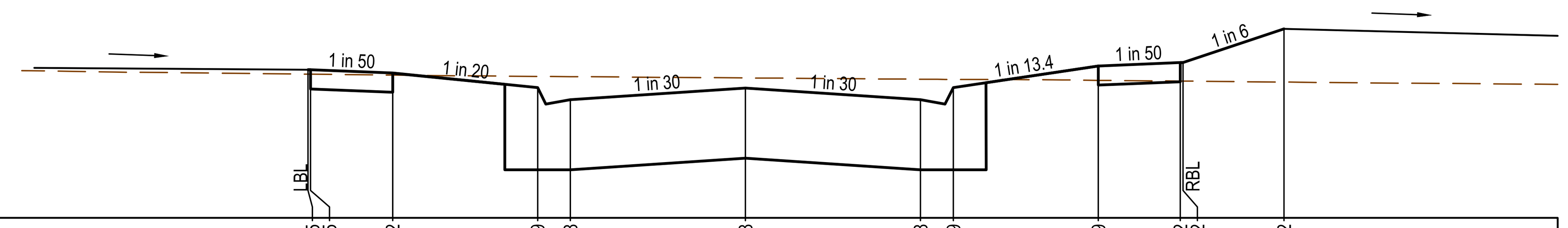
CH 218.45



DATUM115.0

DESIGN SURFACE	116.60	116.54	116.54	116.51	116.37	116.26	116.37	116.26	116.37	116.52	116.55	116.55	116.75
EXISTING SURFACE	116.60	116.60	116.60	116.59	116.57	116.56	116.55	116.53	116.53	116.52	116.51	116.51	116.51
OFFSET	-8.38	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	9.22

CH 204.45



DATUM115.0

DESIGN SURFACE	116.35	116.35	116.32	116.19	116.08	116.18	116.08	116.19	116.39	116.42	116.42	116.72
EXISTING SURFACE	116.31	116.31	116.30	116.29	116.29	116.28	116.26	116.26	116.25	116.25	116.25	116.24
OFFSET	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	6.45	7.95	8.00	9.85

LTPCH 193.17

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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PLAN OF SUB. NO.

PERMIT REF. NO.
PA2017/5710

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

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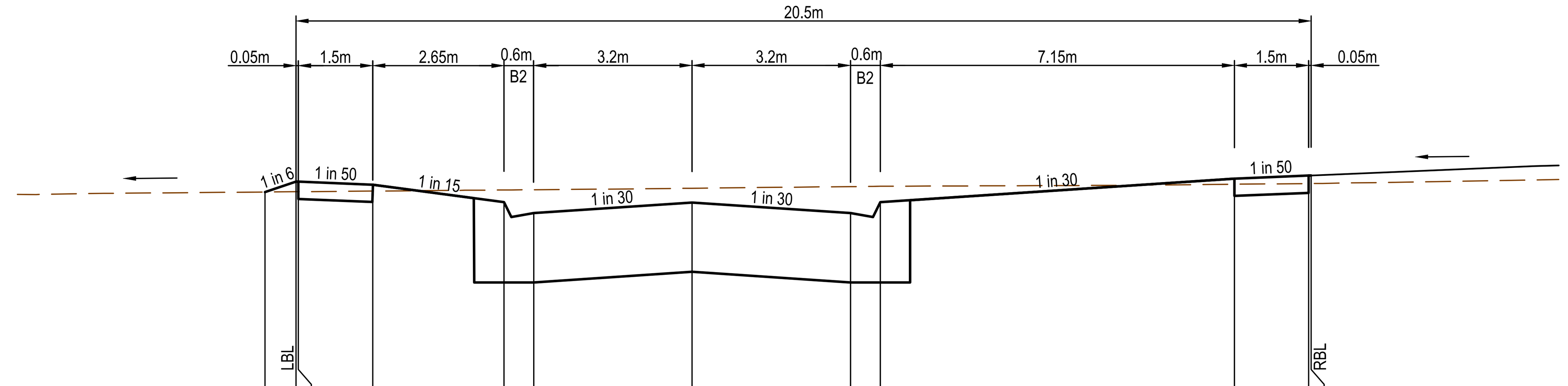
WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Cross Sections: Carriage Drive/ Stall Street
Ch 130.13 - Ch 235.44

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-252	10 of 18	A

DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-252.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:32:20 PM

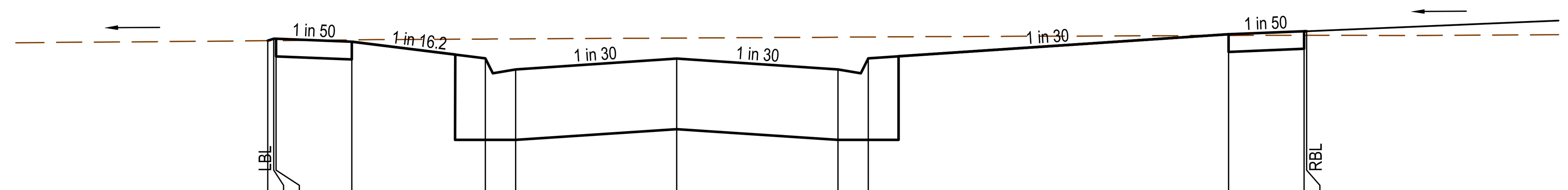
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



DATUM113.0

DESIGN SURFACE	115.04	115.15	115.15	115.12	114.94	114.83	114.94	114.83	114.94	115.18	115.21	115.21
EXISTING SURFACE	115.04	115.04	115.04	115.05	115.06	115.06	115.08	115.10	115.10	115.12	115.13	115.13
OFFSET	-8.62	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50

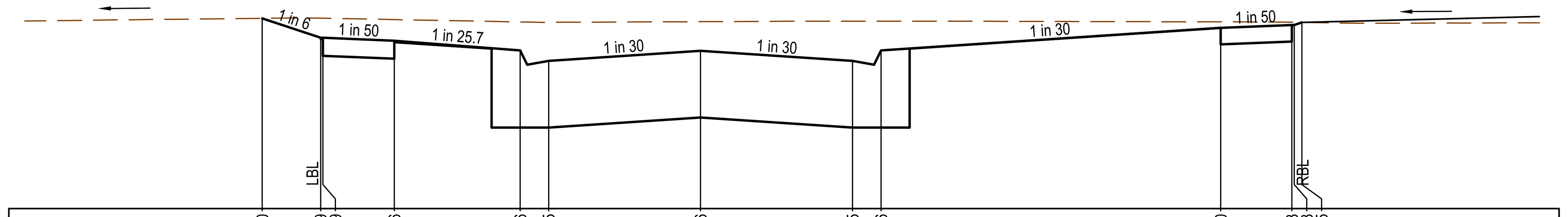
CH 162.48



DATUM114.0

DESIGN SURFACE	115.53	115.55	115.55	115.52	115.36	115.25	115.36	115.25	115.36	115.60	115.63	115.63
EXISTING SURFACE	115.53	115.54	115.54	115.54	115.55	115.55	115.56	115.57	115.57	115.59	115.59	115.59
OFFSET	-8.12	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50

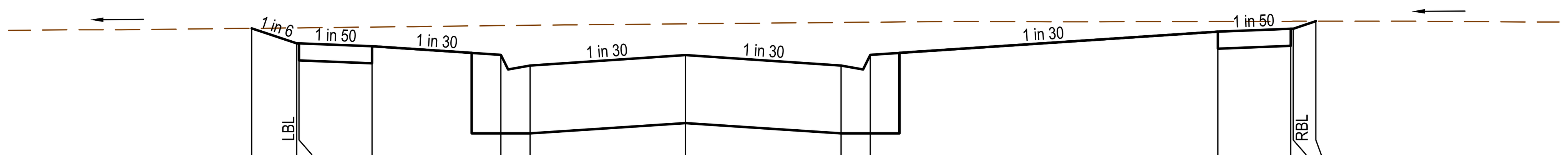
CH 139.93



DATUM114.0

DESIGN SURFACE	116.00	115.79	115.79	115.76	115.66	115.55	115.66	115.55	115.66	115.90	115.93	115.93	115.95
EXISTING SURFACE	116.00	116.00	116.00	115.98	115.96	115.96	115.96	115.97	115.97	115.96	115.96	115.96	115.95
OFFSET	-9.23	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50	12.66

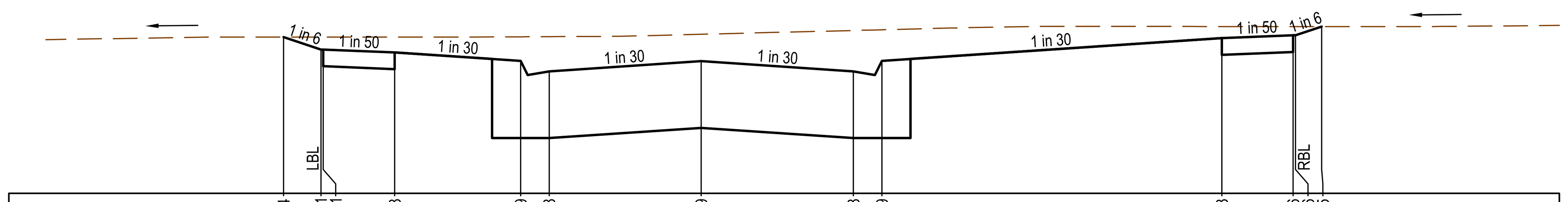
CH 123.93



DATUM115.0

DESIGN SURFACE	116.40	116.25	116.25	116.22	116.13	116.02	116.12	116.02	116.13	116.37	116.40	116.40	116.47
EXISTING SURFACE	116.40	116.41	116.41	116.41	116.43	116.43	116.45	116.46	116.46	116.47	116.47	116.47	116.47
OFFSET	-8.92	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50	12.97

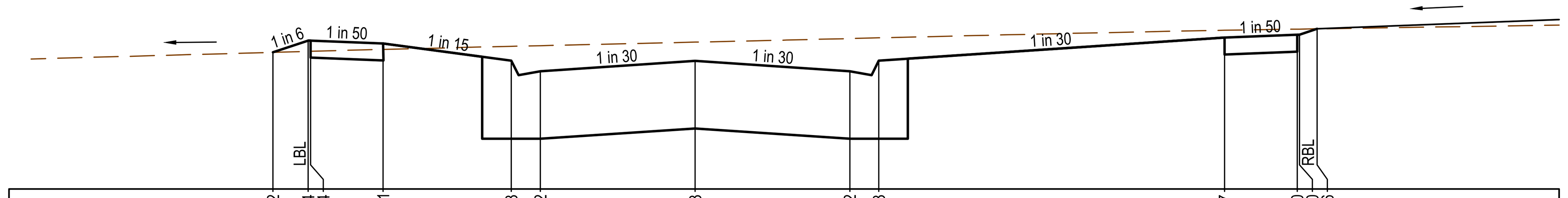
CH 98.93



DATUM115.0

DESIGN SURFACE	116.64	116.51	116.51	116.48	116.39	116.28	116.39	116.28	116.39	116.63	116.66	116.66	116.75
EXISTING SURFACE	116.64	116.64	116.64	116.64	116.64	116.64	116.67	116.71	116.72	116.75	116.75	116.75	116.75
OFFSET	-8.79	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50	13.05

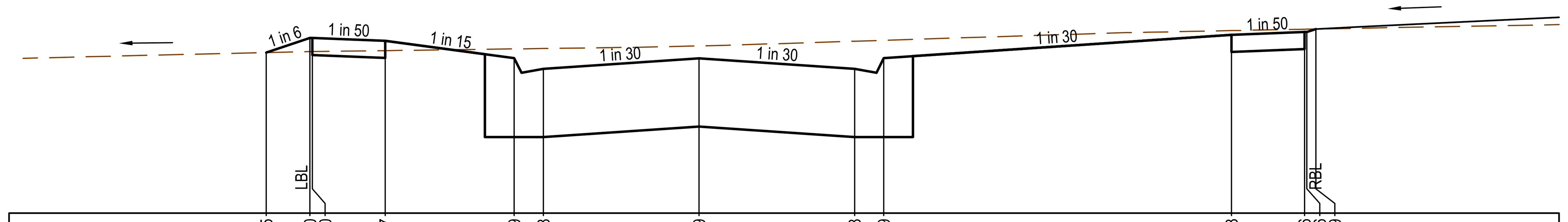
CH 84.93



DATUM113.0

DESIGN SURFACE	114.42	114.54	114.54	114.51	114.33	114.22	114.33	114.22	114.33	114.57	114.60	114.60	114.66
EXISTING SURFACE	114.42	114.43	114.43	114.45	114.48	114.49	114.52	114.56	114.57	114.65	114.66	114.66	114.66
OFFSET	-8.73	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50	12.86

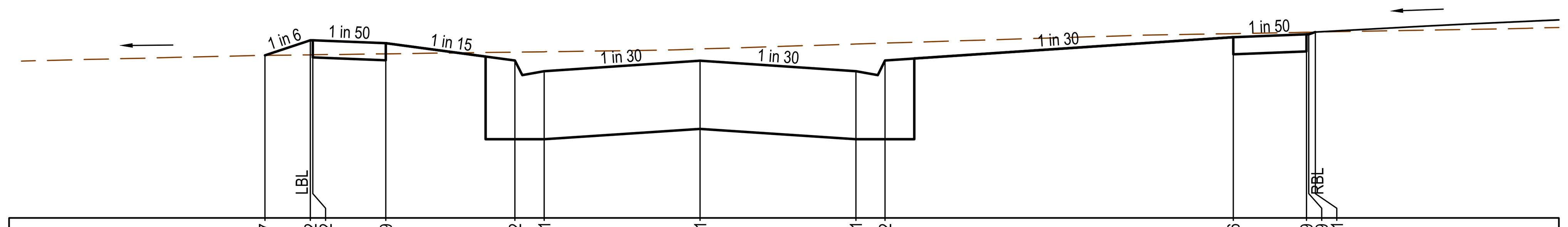
CH 194.98



DATUM113.0

DESIGN SURFACE	114.65	114.80	114.80	114.77	114.59	114.48	114.59	114.48	114.59	114.83	114.86	114.86	114.89
EXISTING SURFACE	114.65	114.66	114.66	114.67	114.69	114.69	114.72	114.77	114.78	114.87	114.89	114.89	114.89
OFFSET	-8.90	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50	12.68

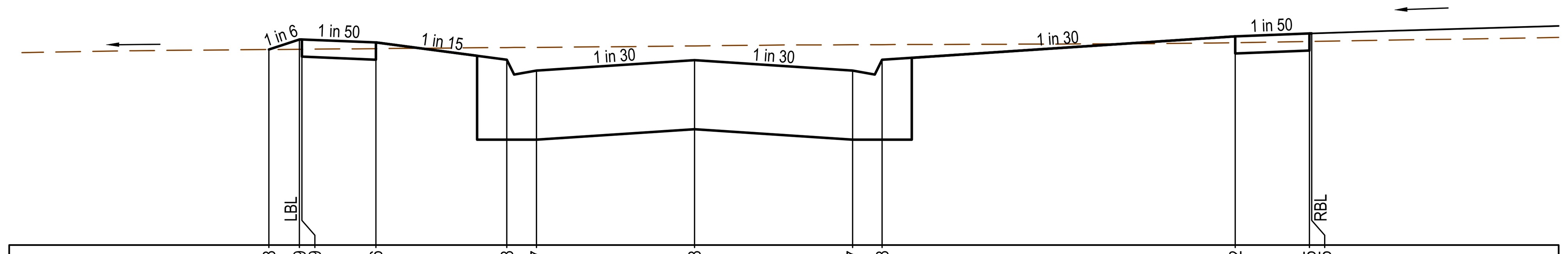
CH 180.98



DATUM113.0

DESIGN SURFACE	114.67	114.82	114.82	114.79	114.62	114.51	114.61	114.51	114.62	114.86	114.89	114.89	114.91
EXISTING SURFACE	114.67	114.68	114.68	114.69	114.70	114.71	114.74	114.79	114.80	114.89	114.91	114.91	114.91
OFFSET	-8.93	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50	12.63

TPCH 179.61



DATUM113.0

DESIGN SURFACE	114.98	115.09	115.09	115.06	114.88	114.77	114.88	114.77	114.88	115.12	115.15	115.15
EXISTING SURFACE	114.98	114.99	114.99	114.99	115.00	115.01	115.02	115.03	115.03	115.05	115.07	115.07
OFFSET	-8.62	-8.00	-7.95	-6.45	-3.80	-3.20	0.00	3.20	3.80	10.95	12.45	12.50

TPCH 165.66

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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PLAN OF SUB. NO.

PERMIT REF. NO.
PA2017/5710

SUBJECT TO APPROVAL

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

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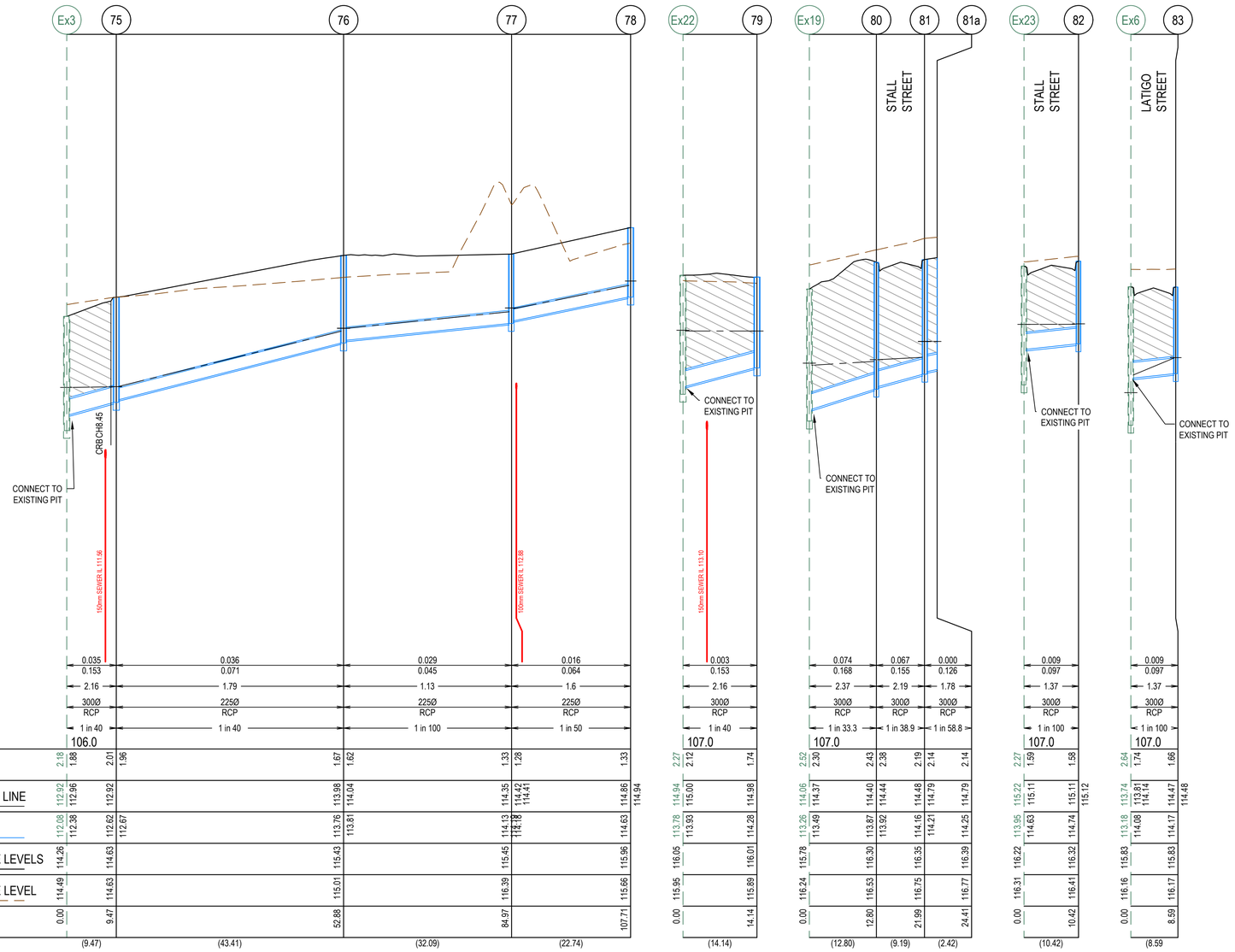
WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Cross Sections: Latigo Street
Ch 84.93 - Ch 194.98

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-253	11 of 18	A

DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-253.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:32:35 PM

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



REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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PERMIT REF. NO. PA2017/5710

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0 0.5 1 2
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SCALE AS SHOWN AT A1

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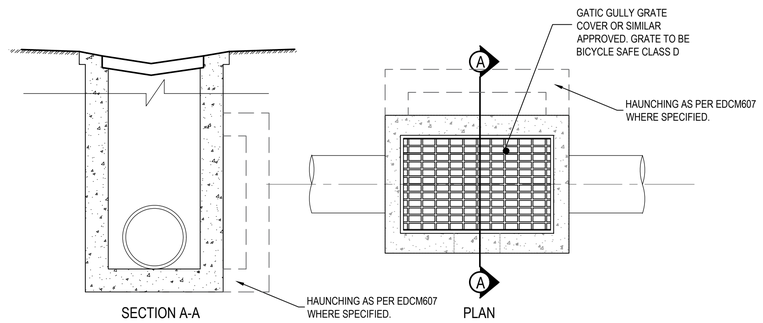
WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Drainage Longitudinal Sections

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-301	12 of 18	A

DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-301.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:32:50 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)				
Ex3	Ex. JP	900	900	300	112.383	Ex 600	112.083	114.263	2.179	EDCM 601 & 605	CONSTRCUT PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
75	JUNCTION PIT	900	600	225	112.67	300	112.62	114.63	2.01	EDCM 605	
76	JUNCTION PIT	600	900	225	113.805	225	113.755	115.427	1.671	EDCM 605	
77	JUNCTION PIT	600	900	225	114.176	225	114.126	115.453	1.326	EDCM 605	
78	JUNCTION PIT	900	600			225	114.631	115.959	1.328	EDCM 605	
Ex22	Ex. JP	750	900	300	113.926	Ex 450	113.776	116.049	2.273	EDCM 601 & 605	CONSTRCUT PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
79	GRATED PIT	600	900			300	114.279	116.015	1.736	EDCM 605*	
Ex59	Ex.JP	600	900	Ex 300	114.419	Ex 300	114.369	115.987	1.618	EDCM 601 & 607	CONSTRCUT DOUBLE PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
Ex21	Ex.JP	750	900	Ex 300	114.319	Ex 450	113.639	115.991	2.352	EDCM 601 & 607	CONSTRCUT DOUBLE PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
Ex20	Ex.JP	600	1050	Ex 450	113.49	Ex 450	113.44	115.764	2.324	EDCM 601 & 605	CONSTRCUT PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
Ex19	Ex.JP	750	900	300	113.487	Ex 525	113.262	115.785	2.523	EDCM 601 & 605	CONSTRCUT PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
80	GRATED ENTRY PIT	600	900	300	113.921	300	113.871	116.297	2.426	EDCM 601 & 605	
81	GRATED ENTRY PIT	600	900	300	114.207	300	114.157	116.348	2.191	EDCM 601 & 605	CAP ENDPIPE FOR FUTURE CONNECTION
81a	ENDPIPE					300	114.248	116.385	2.137		
Ex23	Ex.JP	750	900	300	114.634	Ex 450	113.954	116.224	2.27	EDCM 601 & 605	CONSTRCUT PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
82	GRATED ENTRY PIT	600	900			300	114.738	116.319	1.582	EDCM 601 & 605	
Ex4	Ex.JP	750	900	Ex 525	112.325	Ex 525	112.275	114.479	2.204	EDCM 601 & 605	CONSTRCUT PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
Ex5	Ex.JP	750	900	Ex 525	112.57	Ex 525	112.52	114.909	2.389	EDCM 605 & 607	HAUNCH TO 600x900 COVER
Ex6	Ex.JP	750	900	300	114.083	Ex 525	113.183	115.827	2.644	EDCM 601 & 605	CONSTRCUT PRE CAST CATH PIT ON EXISTING JP. HAUNCH TO 600x900 COVER
83	GRATED ENTRY PIT	600	900			300	114.169	115.833	1.664	EDCM 601 & 605	



JUNCTION PIT WITH GRATE - EDCM 605*
NOT TO SCALE

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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PLAN OF SUB. NO.

PERMIT REF. NO. PA2017/5710

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WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Pit Schedule

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-351	13 of 18	A

DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-351.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:33:06 PM

LEGEND

KERB INLET DIVERSION PASSIVE STREET TREE IRRIGATION - REFER TO SHEET 362 FOR DETAILS

TREE LOCATION - REFER TO LANDSCAPING PLANS FOR DETAIL

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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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PERMIT REF. NO. PA2017/5710

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0 5 10 20
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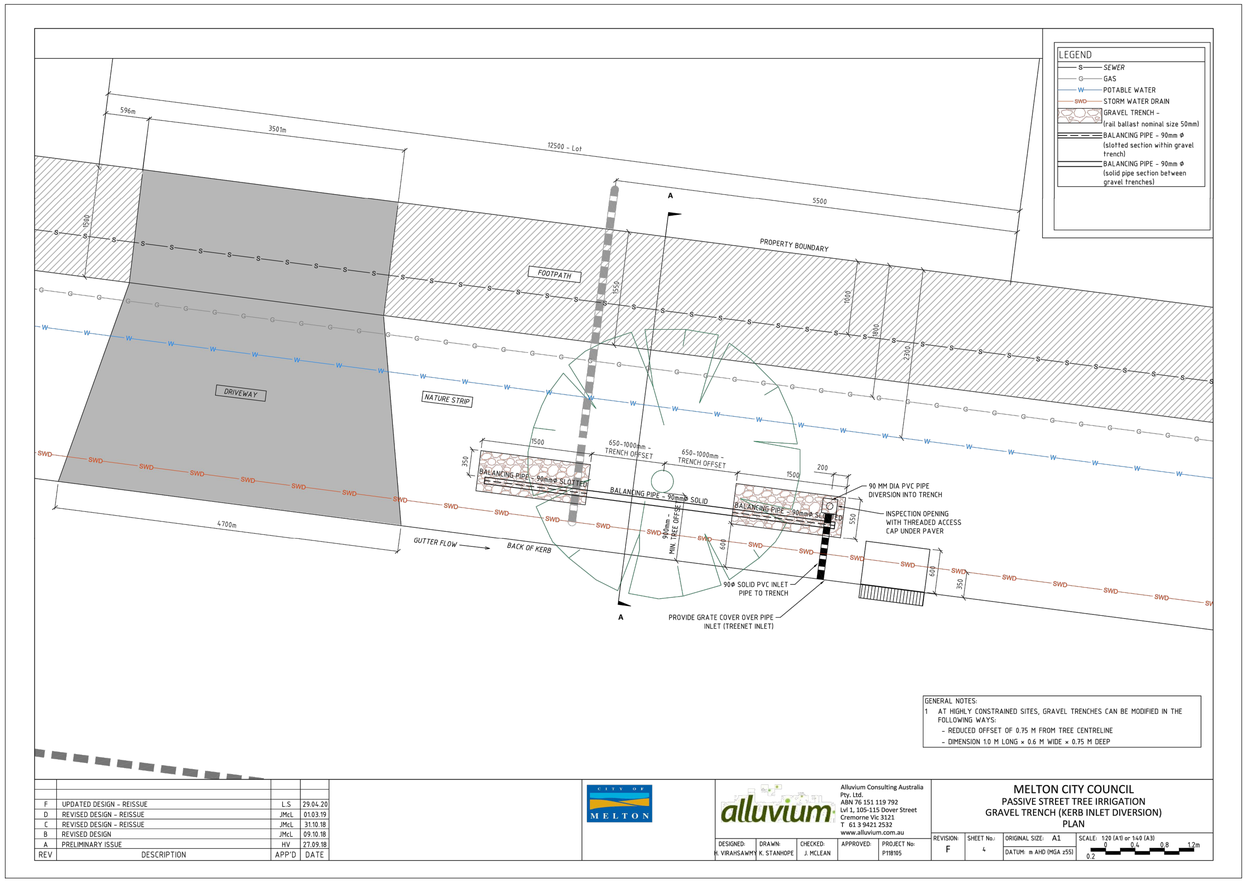
WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Passive Irrigation Plan

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-361	14 of 18	A

DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-361.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:33:28 PM



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	LS	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

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DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT No.
H. VIRAHSAWMY	K. STANHOPE	J. MCLEAN		P118105

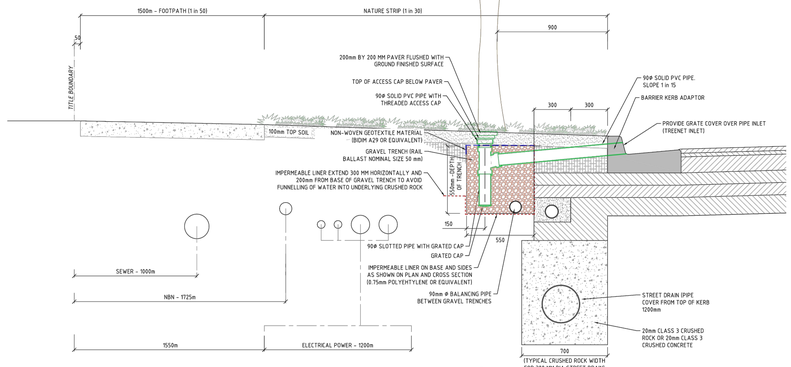
MELTON CITY COUNCIL
PASSIVE STREET TREE IRRIGATION
GRAVEL TRENCH (KERB INLET DIVERSION)
PLAN

REVISION	SHEET No.	ORIGINAL SIZE	SCALE
F	4	A1	1:20 (A1) or 1:40 (A3)

DATUM: m AHD (MGA z55)

NOTES:
TOP OF GRAVEL TRENCH TO BE LINED WITH NON-WOVEN GEOTEXTILE MATERIAL AS SHOWN TO PREVENT FINE MIGRATION INTO THE TRENCH
PASSIVE IRRIGATION PIPES AND FITTINGS TO BE 90 MM DIAMETER PVC SEWER CLASS
ALL PVC JOINTS TO BE SEALED WITH SOLVENT CEMENT
ALL GRASSED AREAS TO BE TOP DRESSED WITH 100 MM TOPSOIL AND SEEDED AS SPECIFIED
SERVICE DEPTHS AND LOCATIONS ARE INDICATIVE ONLY
WHERE THE VERGE IS LESS THAN 4.2m (TYPICAL) A SPECIFIC DETAIL SHALL BE SHOWN ON THE ENGINEERING DRAWINGS THAT RETAINS THE PRINCIPALS AND


TREENET INLET



GRAVEL TRENCH (KERB INLET DIVERSION) A1

1:10 (A1)

REV	DESCRIPTION	APP'D	DATE
F	UPDATED DESIGN	LS	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

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DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT No.
H. VIRAHSAWMY	K. STANHOPE	J. MCLEAN		P118105

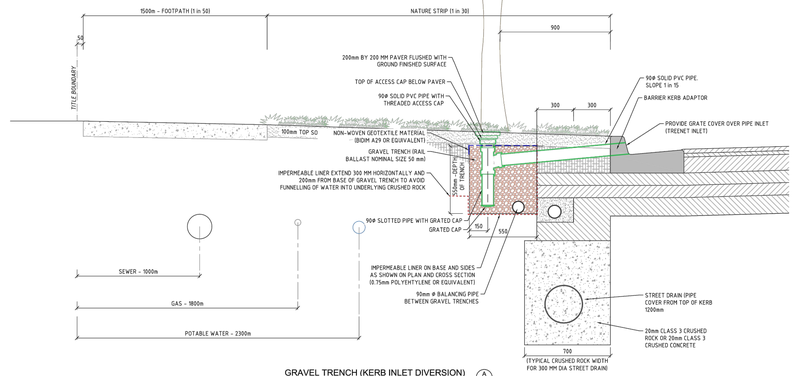
MELTON CITY COUNCIL
PASSIVE STREET TREE IRRIGATION
GRAVEL TRENCH (KERB INLET DIVERSION)
CROSS SECTION

REVISION	SHEET No.	ORIGINAL SIZE	SCALE
F	5	A1	1:10 (A1) or 1:20 (A3)

DATUM: m AHD (MGA z55)

NOTES:
TOP OF GRAVEL TRENCH TO BE LINED WITH NON-WOVEN GEOTEXTILE MATERIAL AS SHOWN TO PREVENT FINE MIGRATION INTO THE TRENCH
PASSIVE IRRIGATION PIPES AND FITTINGS TO BE 90 MM DIAMETER PVC SEWER CLASS
ALL PVC JOINTS TO BE SEALED WITH SOLVENT CEMENT
ALL GRASSED AREAS TO BE TOP DRESSED WITH 100 MM TOPSOIL AND SEEDED AS SPECIFIED
SERVICE DEPTHS AND LOCATIONS ARE INDICATIVE ONLY
WHERE THE VERGE IS LESS THAN 4.2m (TYPICAL) A SPECIFIC DETAIL SHALL BE SHOWN ON THE ENGINEERING DRAWINGS THAT RETAINS THE PRINCIPALS AND


TREENET INLET



GRAVEL TRENCH (KERB INLET DIVERSION) A2

1:10 (A1)

REV	DESCRIPTION	APP'D	DATE
F	UPDATED DESIGN	LS	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

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DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT No.
H. VIRAHSAWMY	K. STANHOPE	J. MCLEAN		P118105

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

REVISION	SHEET No.	ORIGINAL SIZE	SCALE
F	5	A1	1:10 (A1) or 1:20 (A3)

DATUM: m AHD (MGA z55)

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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Environmental Management - ISO 14001 Global-Mark.com.au®

PLAN OF SUB. NO.

PERMIT REF. NO. PA2017/5710

SUBJECT TO APPROVAL

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

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WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Passive Irrigation Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-362	15 of 18	A

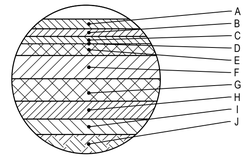
DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-362.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:33:49 PM

STALL STREET & SPRINT ROAD (16m ROAD RESERVE)

645mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A WEARING COURSE	30	SIZE 10mm TYPE L CLASS 170 ASPHALT
B BASE COURSE	30	SIZE 10mm TYPE N CLASS 320 ASPHALT
C INTERLAYER	-	SIZE 10 SAMI WITH S18RF BINDER
D BONDING LAYER	-	BITUMINOUS PRIME
E BASE	130	SIZE 20mm CLASS 2 CRUSHED ROCK. COMPACTED TO A MEAN DENSITY RATIO OF 100% (CHARACTERISTIC MODIFIED COMPACTION) MAXIMUM DRY DENSITY AS1289, 5.2.1
F SUBBASE	155	SIZE 20mm CLASS 3 CRUSHED ROCK. COMPACTED TO A MEAN DENSITY RATIO OF 98% (CHARACTERISTIC MODIFIED COMPACTION) MAXIMUM DRY DENSITY AS1289, 5.2.1
G CAPPING LAYER	150	TYPE A MATERIAL (CAPPING LAYER) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR≥8%, SWELL≤1.5% , PERMEABILITY K ≤1 x 10_6 m/s (1 x 10_4 cm/s). COMPACTED TO A MINIMUM MEAN DENSITY RATIO OF 100% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1 COMPACTED AT MOISTURE CONTENTS OF +/-2% OF STANDARD OPTIMUM MOISTURE CONTENT
H CONSTRUCTION LAYER	150	TYPE A MATERIAL (SELECT FILL) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR≥7%, SWELL≤1.5% . COMPACTED TO A MINIMUM DENSITY RATIO OF 100% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1 COMPACTED AT MOISTURE CONTENTS OF +/-2% OF STANDARD OPTIMUM MOISTURE CONTENT
I SUBGRADE	-	MATERIAL AS FOUND (CLAY) TOP 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

SHARED DRIVEWAY

600mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A WEARING COURSE	200	32MPa CONCRETE WITH 2xSL82 MESH REINFORCEMENT WITH 50mm TOP COVER. MESH TO HAVE 50mm COVER TO ALL EDGES
B BASE COURSE	100	SIZE 20 CLASS 2 FCR
C CAPPING LAYER	150	TYPE A MATERIAL (SELECT FILL) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR≥8%, SWELL≤1.5% . COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1
D CONSTRUCTION LAYER	150	TYPE A MATERIAL (SELECT FILL) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR≥7%, SWELL≤1.5% . COMPACTED TO A MINIMUM DENSITY RATIO OF 100% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1 COMPACTED AT MOISTURE CONTENTS OF +/-2% OF STANDARD OPTIMUM MOISTURE CONTENT
E SUBGRADE	-	MATERIAL AS FOUND (CLAY) TOP & BOTTOM 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1

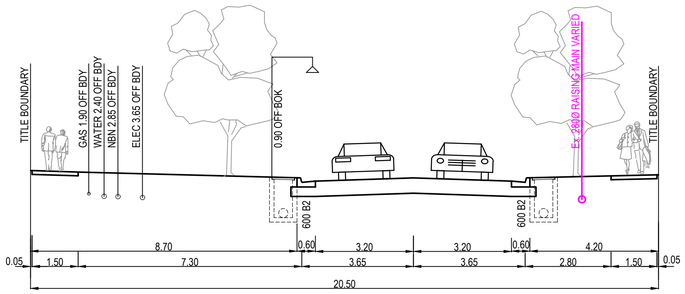


PAVEMENT COMPOSITION KEY DIAGRAM

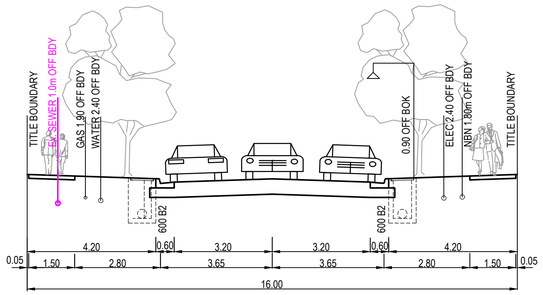
SMEC Urban is not responsible for geotechnical or pavement related designs and is not responsible for the accuracy, adequacy or appropriateness of these designs. The pavement compositions shown on this drawing have been reproduced from the pavement report for this development stage. This document should be reviewed by the contractor to ensure design has been interpreted correctly. A copy of this document will be made available on request

LATIGO STREET (20.5m ROAD RESERVE)

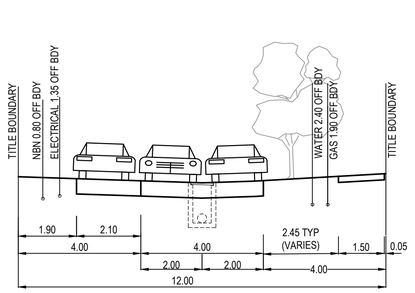
745mm DEPTH PAVEMENT COMPOSITION		
PAVEMENT LAYER	LAYER THICKNESS (mm)	MATERIAL
A WEARING COURSE	30	SIZE 10mm TYPE N CLASS 320 ASPHALT
B BASE COURSE	30	SIZE 10mm TYPE N CLASS 320 ASPHALT
C INTERLAYER	-	SIZE 10 SAMI WITH S18RF BINDER
D BONDING LAYER	-	BITUMINOUS PRIME
E BASE	130	SIZE 20mm CLASS 2 CRUSHED ROCK. COMPACTED TO A MEAN DENSITY RATIO OF 100% (CHARACTERISTIC MODIFIED COMPACTION) MAXIMUM DRY DENSITY AS1289, 5.2.1
F SUBBASE	255	SIZE 20mm CLASS 3 CRUSHED ROCK. COMPACTED TO A MEAN DENSITY RATIO OF 98% (CHARACTERISTIC MODIFIED COMPACTION) MAXIMUM DRY DENSITY AS1289, 5.2.1
G CAPPING LAYER	150	TYPE A MATERIAL (CAPPING LAYER) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR≥8%, SWELL≤1.5% , PERMEABILITY K ≤1 x 10_6 m/s (1 x 10_4 cm/s). COMPACTED TO A MINIMUM MEAN DENSITY RATIO OF 100% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1 COMPACTED AT MOISTURE CONTENTS OF +/-2% OF STANDARD OPTIMUM MOISTURE CONTENT
H CONSTRUCTION LAYER	150	TYPE A MATERIAL (SELECT FILL) MEETING THE FOLLOWING MATERIAL PROPERTIES: CBR≥7%, SWELL≤1.5% . COMPACTED TO A MINIMUM DENSITY RATIO OF 100% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1 COMPACTED AT MOISTURE CONTENTS OF +/-2% OF STANDARD OPTIMUM MOISTURE CONTENT
I SUBGRADE	-	MATERIAL AS FOUND (CLAY) TOP 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1



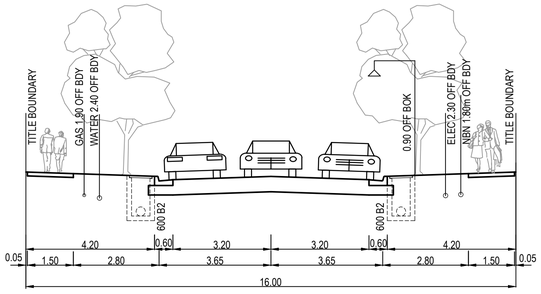
20.5m ROAD RESERVE
LATIGO STREET



16m ROAD RESERVE
STALL STREET



12m ROAD RESERVE
(SHARED DRIVEWAY)



16m ROAD RESERVE
SPRINT ROAD

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
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REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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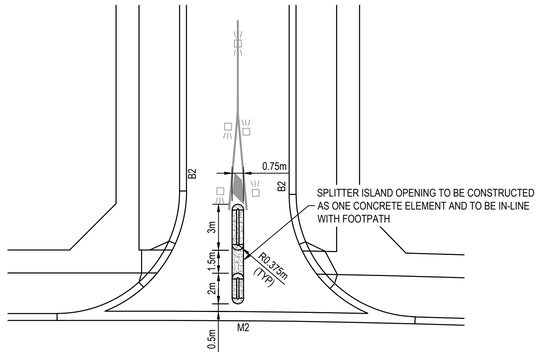
WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Pavement Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-411	16 of 18	A



SI3 ISLAND - TYPICAL LAYOUT
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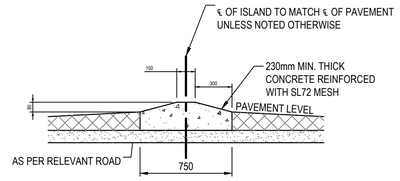

SI3 ISLAND - TYPICAL CROSS SECTION
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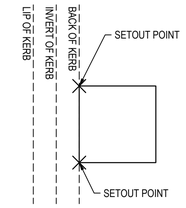
REFER TO CITY OF MELTON STD DWG MCC305 & 307



KERB PIT SETOUT POINT DETAIL
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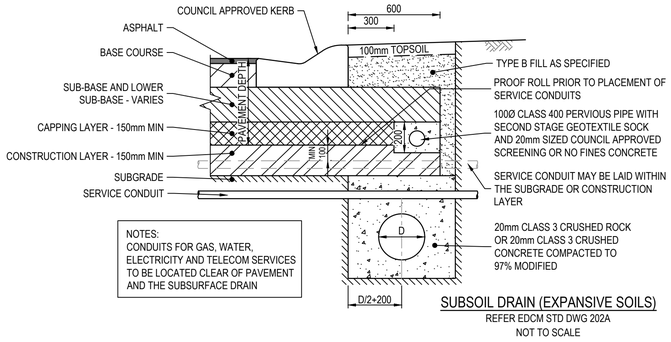
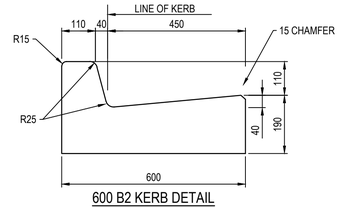
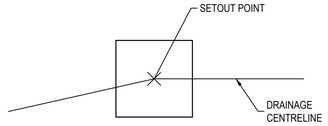


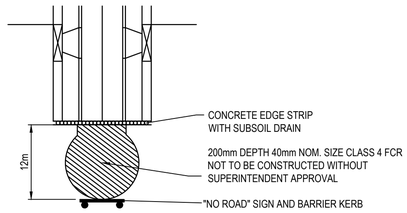
SUBSOIL DRAIN (EXPANSIVE SOILS)
REFER EDCM STD DWG 202A
NOT TO SCALE



600 B2 KERB DETAIL
SCALE 1:10
EDCM



PIT SETOUT POINT DETAIL
NOT TO SCALE



TYPICAL TEMPORARY TURN AREA DETAIL
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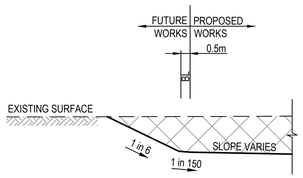

CUT BATTER INTO FUTURE LOT
NOT TO SCALE
SECTION A-A

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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0 0.1 0.2 0.4
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WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
General Details

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-421	17 of 18	A

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

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	C.SILVA	M.MANAFI	A.PERKINS	C.WILKINSON

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WESTWOOD

Westwood - Stage 15
Melton City Council
Road and Drainage
Safety In Design

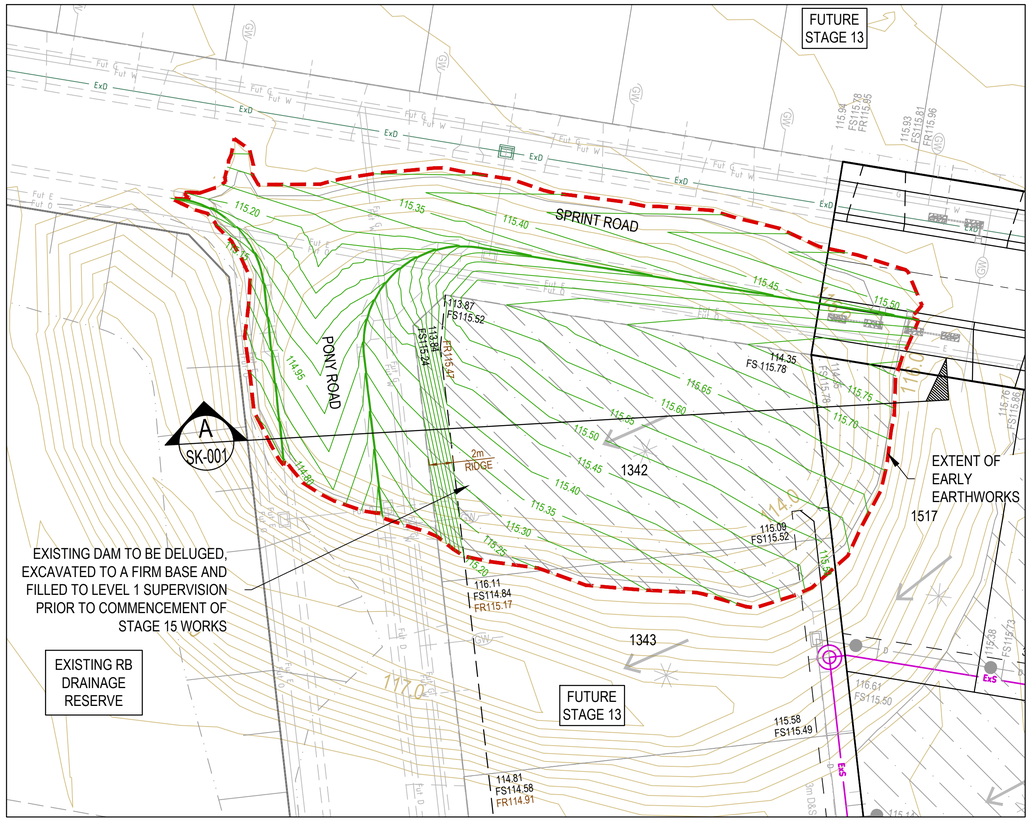
MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-500	18 of 18	A

DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-500.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:34:43 PM

LEGEND - FUNCTIONAL LAYOUT PLAN

ALL PROPOSED, FUTURE & EXISTING SERVICE LOCATIONS ARE SHOWN INDICATIVELY

D	STORMWATER DRAIN, PIT & PROPERTY INLET
	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
Ex D	EXISTING STORMWATER DRAIN
	EXISTING SWALE DRAIN
Ex S	EXISTING SEWER & MAINTENANCE STRUCTURES
Ex H	EXISTING HOUSE DRAIN
Ex E	EXISTING ELECTRICITY (UNDER GROUND)
Ex 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
GWR	EXISTING SERVICE CONDUITS
	EXISTING TACTILE PAVERS
Fut D	FUTURE STORMWATER 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
GWR	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
	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



LAYOUT PLAN
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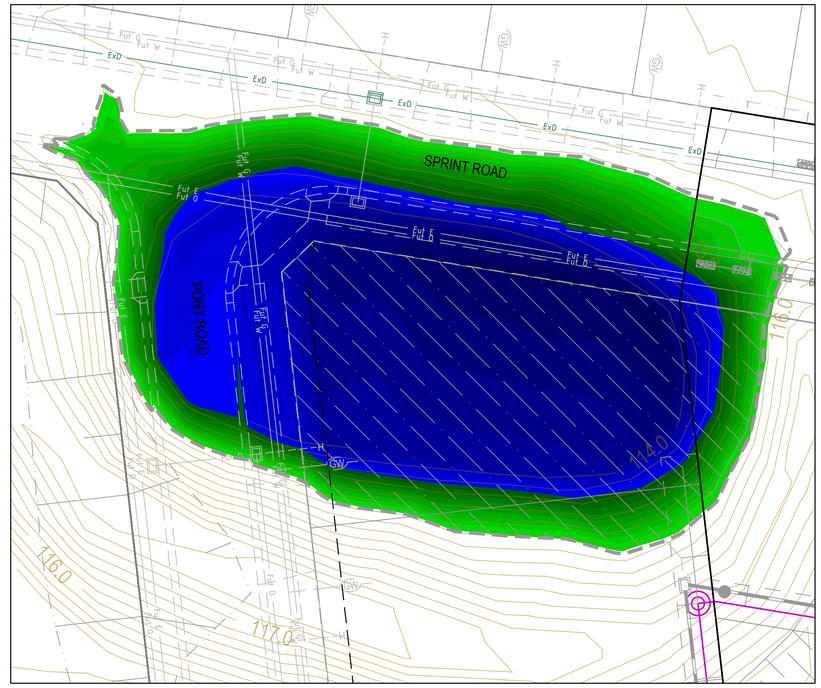
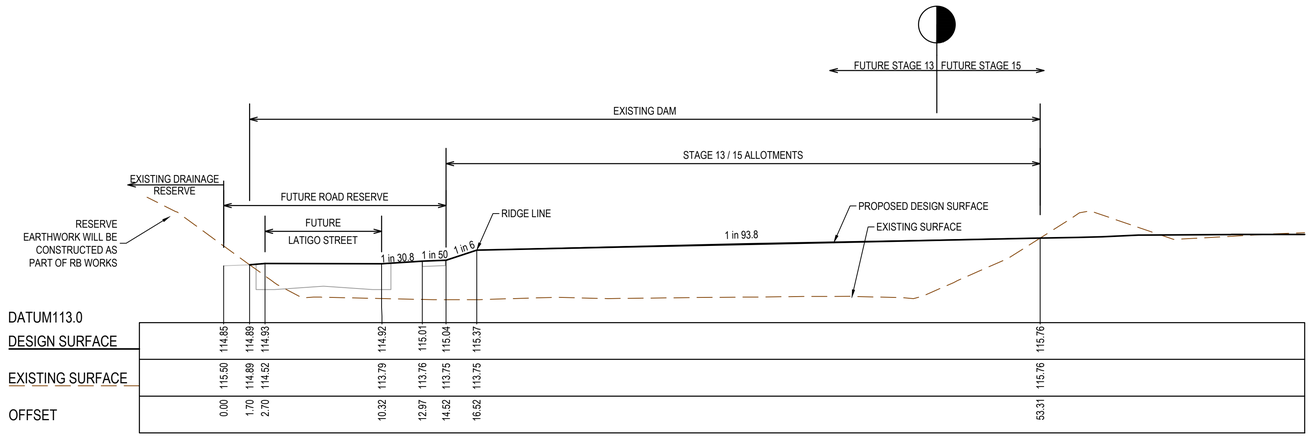


DEPTH RANGE PLAN
Scale 1:250



TYPICAL SECTION A - A
Scale H 1:200
V 1:20

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

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Depth Range File Legend

Lower_value		Upper_value	Colour
0.05	to	0.2	m
0.2	to	0.3	m
0.3	to	0.4	m
0.4	to	0.5	m
0.5	to	0.6	m
0.6	to	0.7	m
0.7	to	0.8	m
0.8	to	0.9	m
0.9	to	1.0	m
1.0	to	1.1	m
1.1	to	1.2	m
1.2	to	1.3	m
1.3	to	1.4	m
1.4	to	1.5	m
1.5	to	1.6	m
1.6	to	1.7	m
1.7	to	1.8	m
1.8	to	1.9	m
1.9	to	2.0	m

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFTER	DESIGNER	CHECKER	APPROVER
A	30.03.22	ISSUED TO COUNCIL FOR APPROVAL	M.MANAFI	M.MANAFI	A.PERKINS	C.WILKINSON

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.

PERMIT REF. NO. PA2017/5710

SUBJECT TO APPROVAL

0 2.5 5 10
Scale 1:250
SCALE AS SHOWN AT A1

N

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Ph 03 9514 1500

WESTWOOD

Westwood - Stage 15
Melton City Council
Sketch Plans
Early Earthwork Layout & Depth Range Plan And Section

MELWAYS REF	PROJECT / DRAWING No.	SHEET No.	REVISION
356 B1	2152E-015-SK-001	01 of 01	A

DWG PATH: V:_Vault\Projects_Urban\2152E-Westwood\2152E-15\2152E-015-SK-001.dwg PRINTED BY: MM14509 on 31/03/2022 at 02:35:59 PM