

ARMSTRONG

STAGE 46C

CITY OF GREATER GEELONG

CITY OF GREATER GEELONG TO STAMP HERE UPON APPROVAL

GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME

Endorsed Plan
Planning Permit No: PP-496-2012
Sheet 1 of 12
Approved By Daniel Cromberge
Approved Date 24/03/2021

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 14918

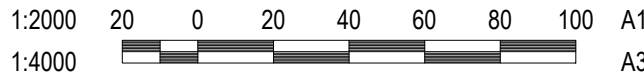
GENERAL NOTES:

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS AND GREATER GEELONG CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
- 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.
- THE CONTRACTOR SHALL:
 - COMPLY WITH THE "SAFETY PRECAUTIONS IN TRENCHING OPERATIONS" (CODE OF PRACTICE No.8, 1998)
 - NOTIFY WORK SAFE OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- REDGUM TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED IN ACCORDANCE WITH COUNCIL'S PLANNING PERMIT. NO EXCAVATION SHALL BE CARRIED OUT WITHIN THE TREE PROTECTION ZONE OF ANY EXISTING TREE WITHOUT WRITTEN APPROVAL FROM COUNCIL'S SUPERVISING OFFICER.
- 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.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
- ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORKS COMMENCING. THESE AREAS SHALL BE RESURFACED WITH A 150mm LAYER OF TOPSOIL AS SPECIFIED.
- NO TOPSOIL TO BE REMOVED FROM SITE.
- NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
- FILLING ON ALLOTMENTS AND UNDER ROAD PAVEMENTS TO HAVE LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-1996. INDIVIDUAL LOT CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT.
- FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN LAYERS 150mm DEPTH. COMPACTION ACHIEVING A MINIMUM DENSITY RATIO OF 98% (STANDARD) IN ACCORDANCE WITH AS1289 CLAUSE 5.1.1.
- CUT AND FILL BATTER SLOPES ARE NOT TO EXCEED 1 in 6 UNLESS SHOWN OTHERWISE.
- ALL DRAINAGE PIPES ARE TO BE SPIGOT-SOCKET RUBBER RING JOINTED UNLESS STATED OTHERWISE.
- ALL DRAINAGE TRENCHES UNDER PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILIZED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- PROPERTY INLETS AS PER INFRASTRUCTURE DESIGN MANUAL (IDM) STANDARD DRAWING SD 520 ARE TO BE LOCATED 1.0m FROM LOW SIDE BOUNDARY UNLESS SHOWN OTHERWISE.
- ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAN 6.0m FROM THE SIDE BOUNDARY OR FROM EASEMENT ALONG THE SIDE BOUNDARY UNLESS NOTED OTHERWISE AND CONNECTED DIRECTLY TO UNDERGROUND DRAIN OR PIT. HOUSE DRAIN LOCATION TO BE MARKED (50mm STAMPED IMPRESSION) ON THE TOP OF THE KERB.
- SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL.
- CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. CONDUITS TO BE EXTENDED TO PROPERTY LINE AND ARE REQUIRED WHEN CONNECTIONS EXTEND UNDER ROAD PAVEMENT, FOOTPATH OR OTHER INFRASTRUCTURE. BOTH KERBS ARE TO BE MARKED (50mm STAMPED IMPRESSION) WITH THE LETTERS E (ELECTRICAL), G (GAS), T (TELEPHONE), W (WATER) AND C (COUNCIL COMMUNICATION) ABOVE CONDUIT LOCATION.
- ALL SERVICING TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS ETC. ARE TO BE BACKFILLED & COMPACTED WITH F.C.R. IN THE CASE OF TRENCHES UNDER ROADS WHERE BACKFILLING HAS NOT ACHIEVED THE SPECIFIED COMPACTION OR SHOWS EXCESSIVE MOVEMENT UNDER PROOF ROLLING, THE BACKFILLING SHALL BE REMOVED AND REPLACED WITH 2% STABILISED COMPACTED F.C.R.
- NO COMMUNICATION PITS ARE TO BE LOCATED IN THE FOOTPATH.
- VEHICULAR CROSSINGS TO BE LOCATED CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. VEHICLE CROSSINGS TO BE 1m FROM PROPERTY BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN. VEHICULAR CROSSINGS TO BE CONSTRUCTED AS PER CITY OF GREATER GEELONG "DESIGN NOTES No.4" DATED AUGUST 2012 & IDM STANDARD DRAWINGS SD205 to SD265.
- ALL PEDESTRIAN CROSSINGS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL SD200.
- ALL STREET SIGNS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS. STREET SIGNS TO BE ATTACHED TO LIGHT POLES USING 'SINGLE DIRECTION COLLAR' OR '90° RIGHT ANGLE COLLAR' UNLESS SHOWN OTHERWISE.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO AS1742.2 AND AS1742.1 STANDARD RESPECTIVELY. TEMPORARY LINEMARKING TO BE PLACED DURING MAINTENANCE PERIOD PRIOR TO PLACEMENT OF WEARING COURSE. FINAL LINEMARKING TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
- UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED, GRADED, ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
- ALL AREAS OF SUBDIVISION EXPOSED OF VEGETATION, INCLUDING NATURE STRIPS, LOTS AND RESERVES ARE TO BE FULLY GRASSSED BY HYDRO MULCHING, WATERED AND MAINTAINED, UNTIL THE END OF MAINTENANCE PERIOD.
- ALL SUMPS IN PRECAST CONCRETE PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE, UNLESS APPROVED OTHERWISE BY THE COUNCIL WORKS INSPECTOR.
- CITY OF GREATER GEELONG REQUIRES CCTV OF ALL DRAINAGE PIPES AND PITS, PRIOR TO THE ISSUE OF THE STATEMENT OF COMPLIANCE



LOCALITY PLAN

MELWAYS REF: 479 F1



NOTE:

THE SITE OF WORKS IS SUBJECT TO THE PROVISIONS OF CULTURAL HERITAGE MANAGEMENT PLAN 12748.
ALL WORKS AND PERSONNEL MUST OBSERVE THE REQUIREMENTS OF THE MANAGEMENT PLAN AT ALL TIMES.

Drawing Index

Drawing No.	Drawing Title	Revision
R100	COVER SHEET	0
R200	LAYOUT PLAN & TYPICAL SECTION	1
R300	INTERSECTION DETAIL PLAN	0
R400	ROAD LONGITUDINAL SECTIONS & CENTRELINE SETOUT	0
R500	ROAD CROSS SECTIONS - 01	0
R501	ROAD CROSS SECTIONS - 02	0
R600	DRAINAGE LONG SECTIONS - 01	0
R601	DRAINAGE LONG SECTIONS - 02	1
R602	PIT SCHEDULE	1
R700	TYPICAL DETAILS	0
R800	SIGNAGE & LINEMARKING PLAN	0
R900	DRAINAGE LAYOUT PLAN	1

1




WARNING

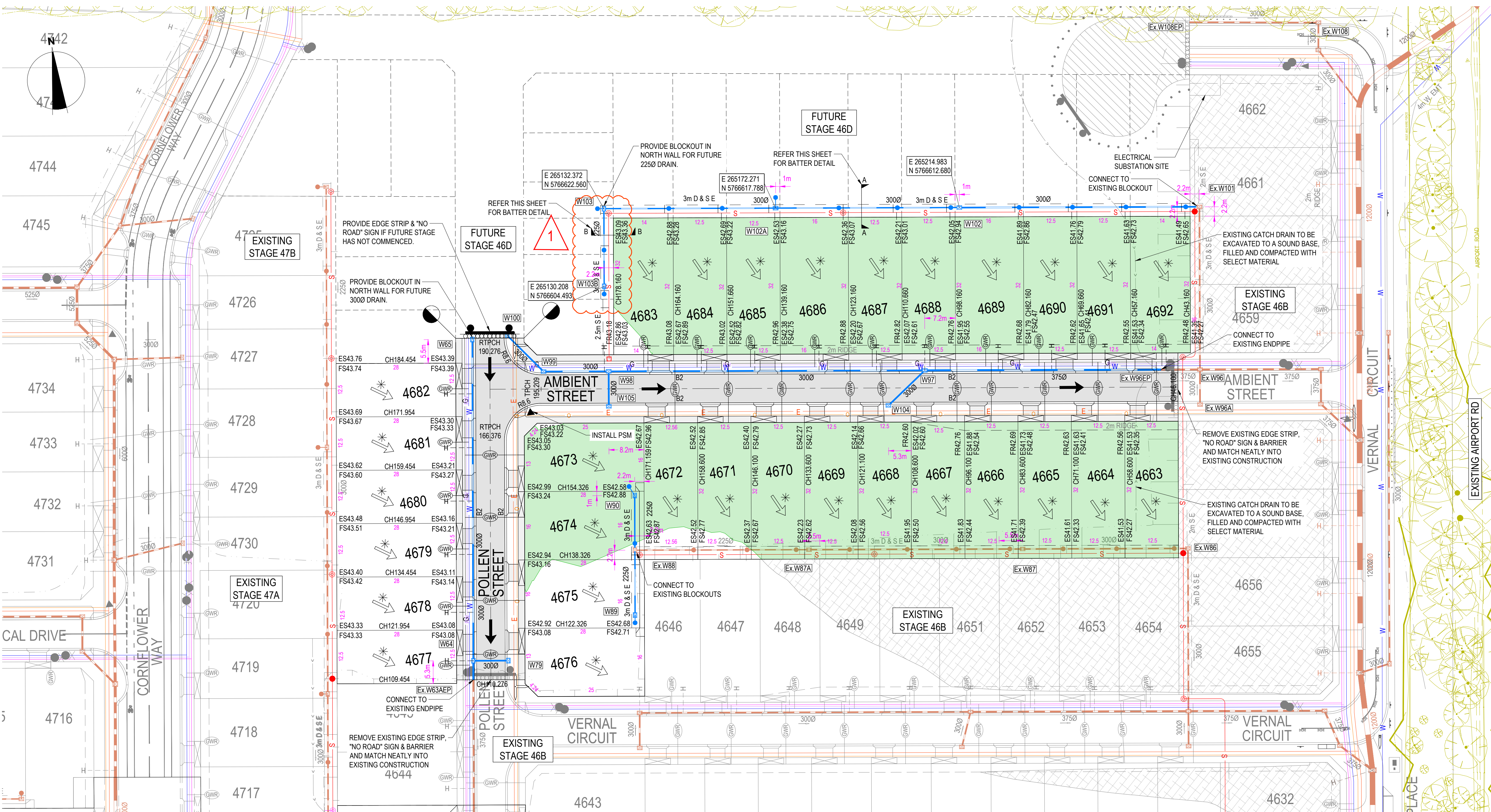
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & 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

P:\2018\180016 - VILLAWOOD ARMSTRONG\180016-46C\01\180016-46C-R100 - COVER SHEET.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED			
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		ARMSTRONG - STAGE 46C COVER SHEET	ISSUED FOR CONSTRUCTION	1:2000 @ A1	K.MCKELVIE	K.MCKELVIE		
1	02/03/21	DWG NO.'S R200, R601, R602, R900 REVISED	T.THOMAS	M.TROUNCE	T.PALIOS										
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS										
A	19/06/20	ISSUE FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS										
											PROJECT No. 180016.46C		DRAWING No. R100		REVISION 1



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- LEGEND - LAYOUT PLAN
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - SWALE DRAIN
 - SEWER & MAINTENANCE STRUCTURES
 - HOUSE DRAIN
 - SERVICE CONDUITS
 - TACTILE PAVERS
 - EXISTING ELECTRICITY (UNDERGROUND)
 - EXISTING ELECTRICITY (OVERHEAD)
 - EXISTING GAS
 - EXISTING OPTIC FIBRE
 - EXISTING TELSTRA
 - EXISTING WATER
 - EXISTING RECYCLED WATER
 - EXISTING STORMWATER DRAIN
 - EXISTING SEWER
 - EXISTING HOUSE DRAIN
 - EXISTING SWALE DRAIN
 - EXISTING SURFACE LEVEL
 - FINISHED BUILDING LINE LEVEL
 - FINISHED RIDGE LINE LEVEL
 - TOP OF RETAINING WALL
 - BOTTOM OF RETAINING WALL
 - RETAINING WALL
 - BUILDING ENVELOPE
 - PAVEMENT TREATMENT
 - STRUCTURAL FILL > 200mm DEEP
 - EX. STRUCTURAL FILL > 200mm DEEP
 - DIRECTION OF FALL
 - OVERLAND FLOW
 - ALLOTMENT TO BE GRADED EVENLY IN
 - DIRECTION OF FALL TO LEVELS INDICATED
 - CONCRETE EDGE STRIP WITH SUBSOL DRAIN, "NO ROAD" SIGN & BARRIER
 - LIMIT OF WORKS
 - EXISTING TREE TO BE REMOVED
 - PERMANENT SURVEY MARK
 - TEMPORARY BENCH MARK
 - PROPOSED DRIVEWAY

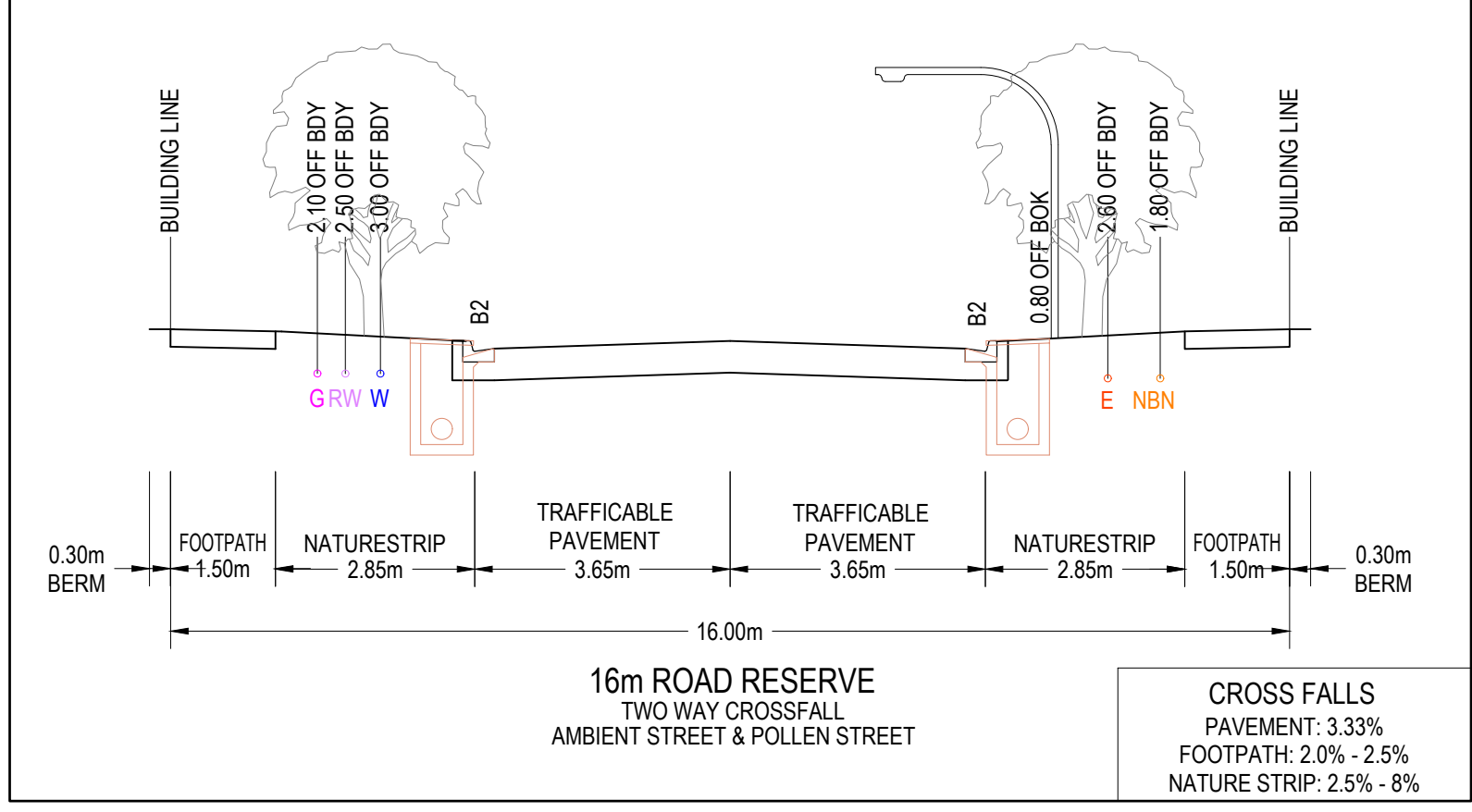
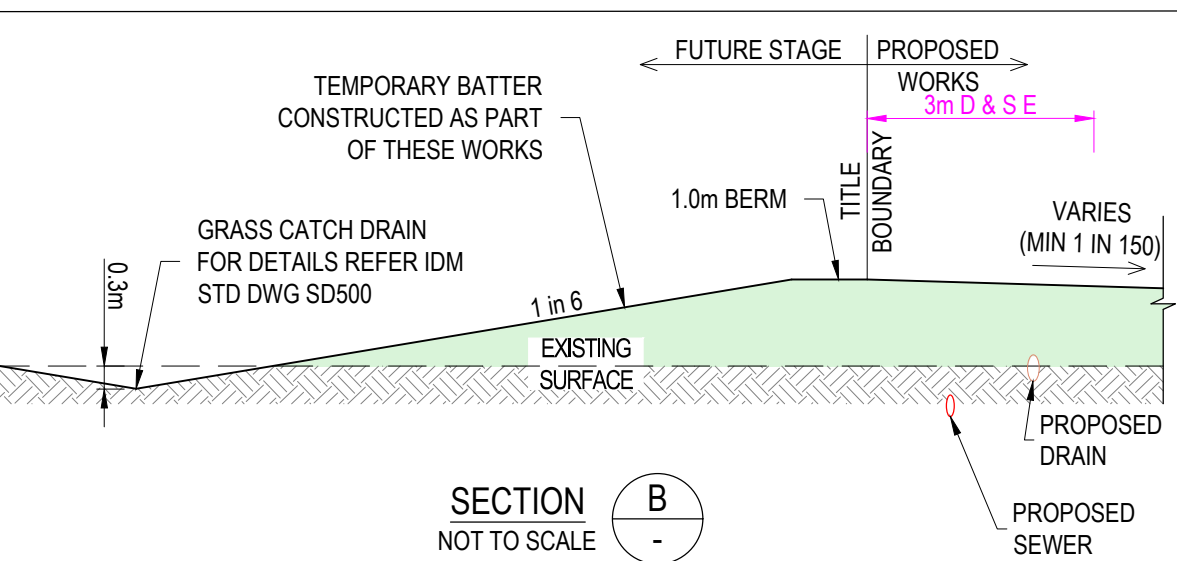
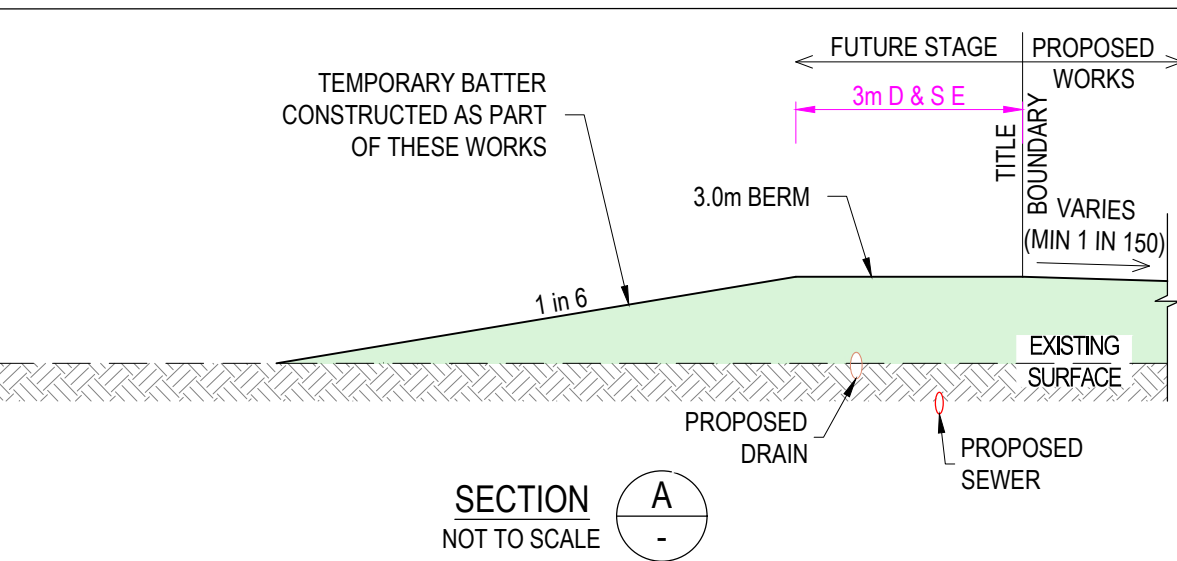
- NOTES:
- ALL VEHICLE AND PRAM CROSSING LAYBACKS, TO BE MINIMUM OF 1.0m FROM PITS.
 - ALL PRAM CROSSINGS TO BE A MINIMUM 2.0m FROM VEHICLE CROSSINGS.
 - ALL PRAM CROSSINGS TO BE DDA COMPLIANT.
 - VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF LANDSCAPE WORKS.
 - THE USE OF DIRECTIONAL AND HAZARD TACTILE PAVERS MUST ACCORD WITH SECTION 2.2.3.1 OF AS/NZS 1428.4:2002.
 - SEWER MAINTENANCE HOLE CONVERTER SLAB OR CONE, TO BE ROTATED TO ENSURE COVER POSITION IS CENTRALLY LOCATED WITHIN FOOTPATH.
 - CHAINAGES FOR SETOUT OF PROPERTY INLET POINTS, SERVICING FUTURE LOTS, ARE MEASURED FROM THE DOWNSTREAM PIT.
 - CONTRACTOR TO LOCATE ALL EXISTING ASSETS PRIOR TO COMMENCEMENT OF WORKS. ANY DAMAGE TO EXISTING ASSETS TO BE RECTIFIED AT CONTRACTORS EXPENSE.
 - CONTRACTOR TO VERIFY DEPTH OF EXISTING SERVICES, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - CROSSOVERS FOR LOTS WITH FRONTAGES 12.5m OR LESS ARE TO BE MAX 3.5m WIDTH - REFER SHEET R700 FOR DETAILS.

WARNING
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SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		RECYCLED WATER		POTABLE WATER		OPTIC FIBRE		ELECTRICITY		PUBLIC LIGHTING	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
POLLEN STREET (CH109.454 - CH190.276)	W	2.10	W	2.50	W	3.00	E	1.80	E	2.60	E	1.00*
AMBIENT STREET (CH46.100 - CH195.209)	N	2.10	N	2.50	N	3.00	S	1.80	S	2.60	S	1.00*

1. * DENOTES OFFSET FROM BACK OF KERB.



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	02/03/21	PIT W103B RELOCATED	T.THOMAS	M.TROUNCE	T.PALIOS
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS
A	19/06/20	ISSUED FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS



Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002



ARMSTRONG - STAGE 46C
LAYOUT PLAN & TYPICAL SECTION

ISSUED FOR
CONSTRUCTION

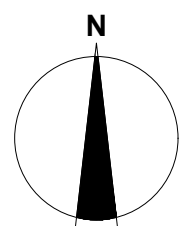
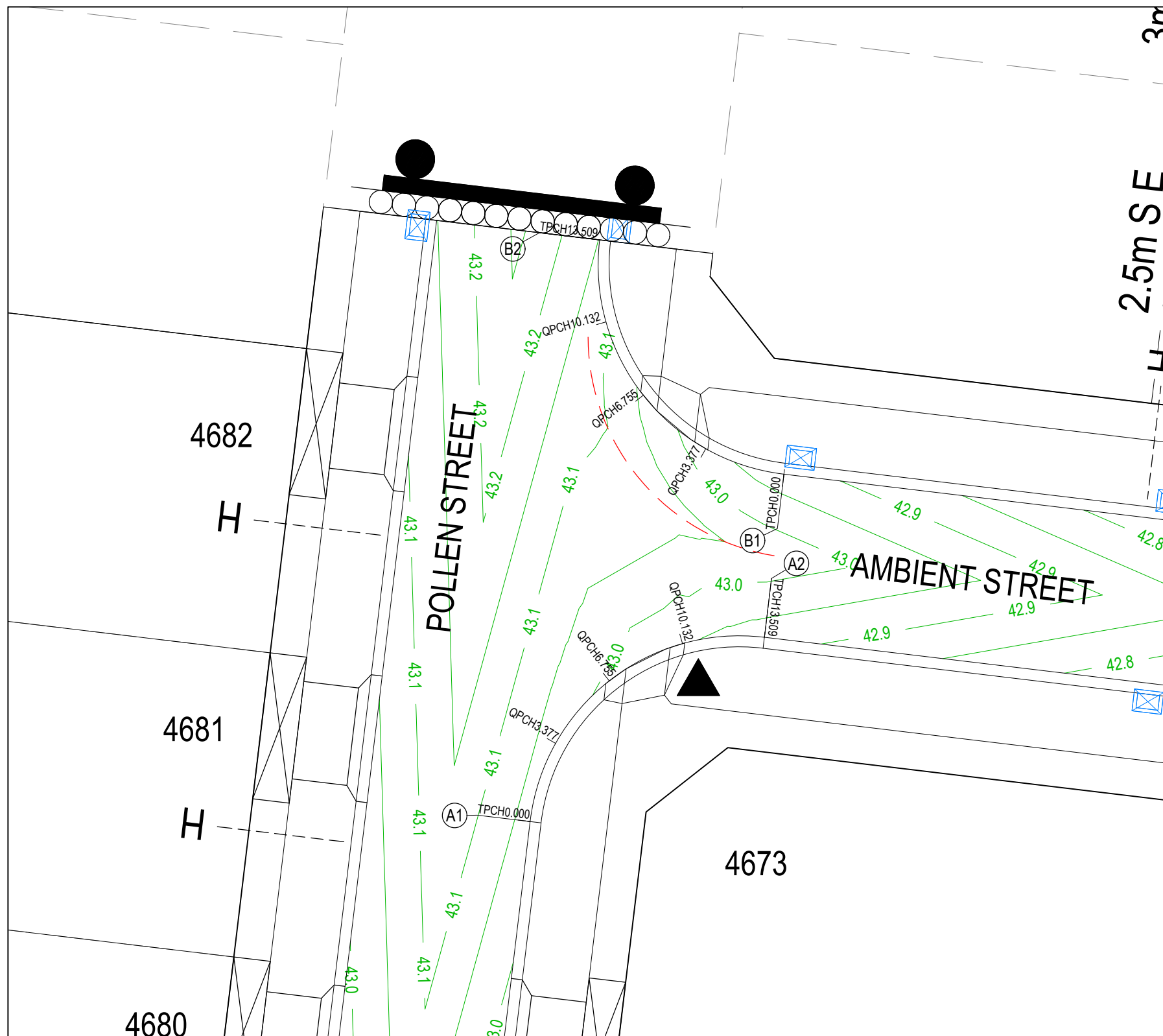
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PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	JUNE 2020
PROJECT No.	DRAWING No.	REVISION
180016.46C	R200	1

Certification No: 14918

- LEGEND - INTERSECTION DETAIL PLAN
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - SWALE DRAIN
 - SEWER & MAINTENANCE STRUCTURES
 - HOUSE DRAIN
 - TACTILE PAVERS
 - EXISTING HOUSE DRAIN
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 - LIMIT OF WORKS
 - EXISTING TREE TO BE REMOVED
 - PERMANENT SURVEY MARK
 - TEMPORARY BENCH MARK
 - PROPOSED DRIVEWAY
 - CROWN

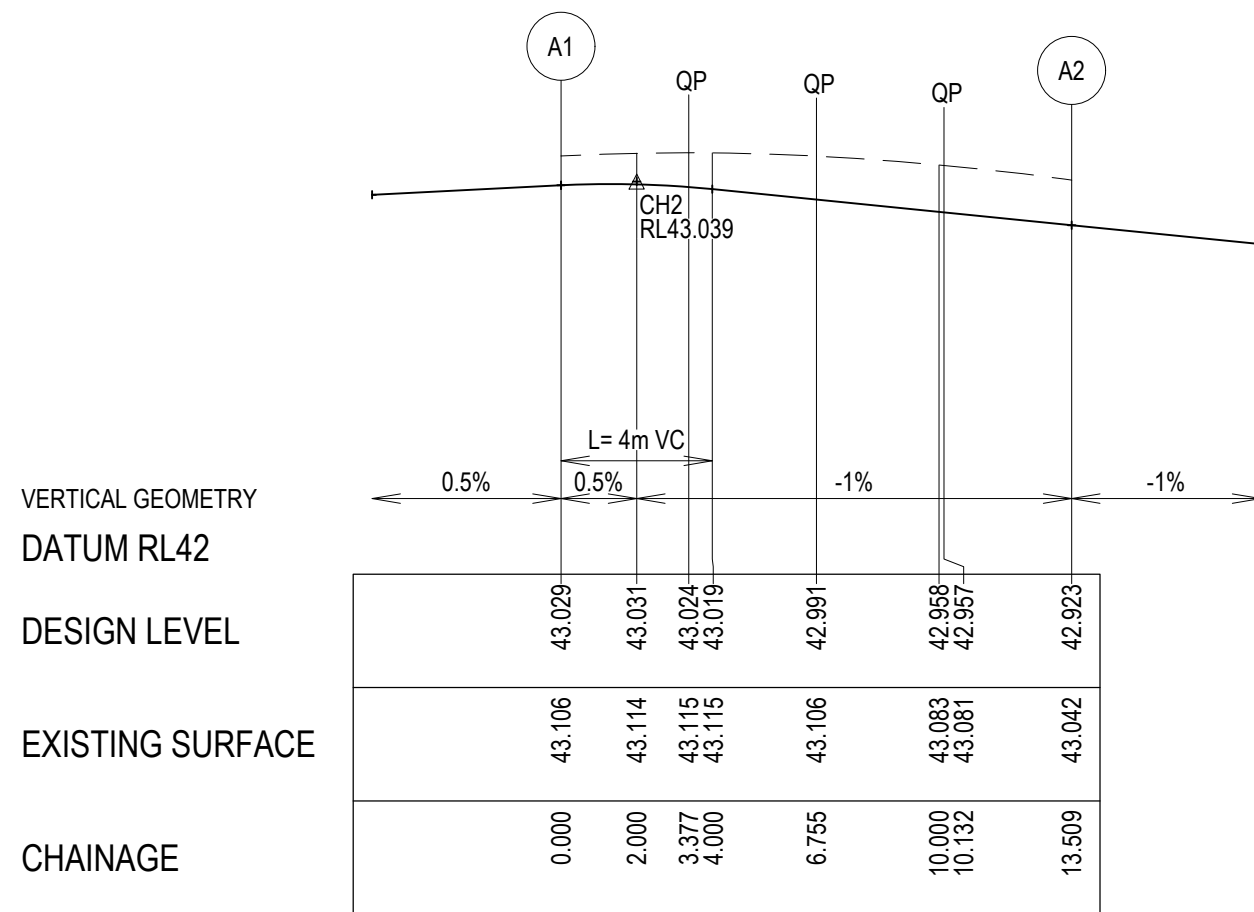
LEGEND - LIP PROFILES

- EXISTING SURFACE
- DESIGN LINE



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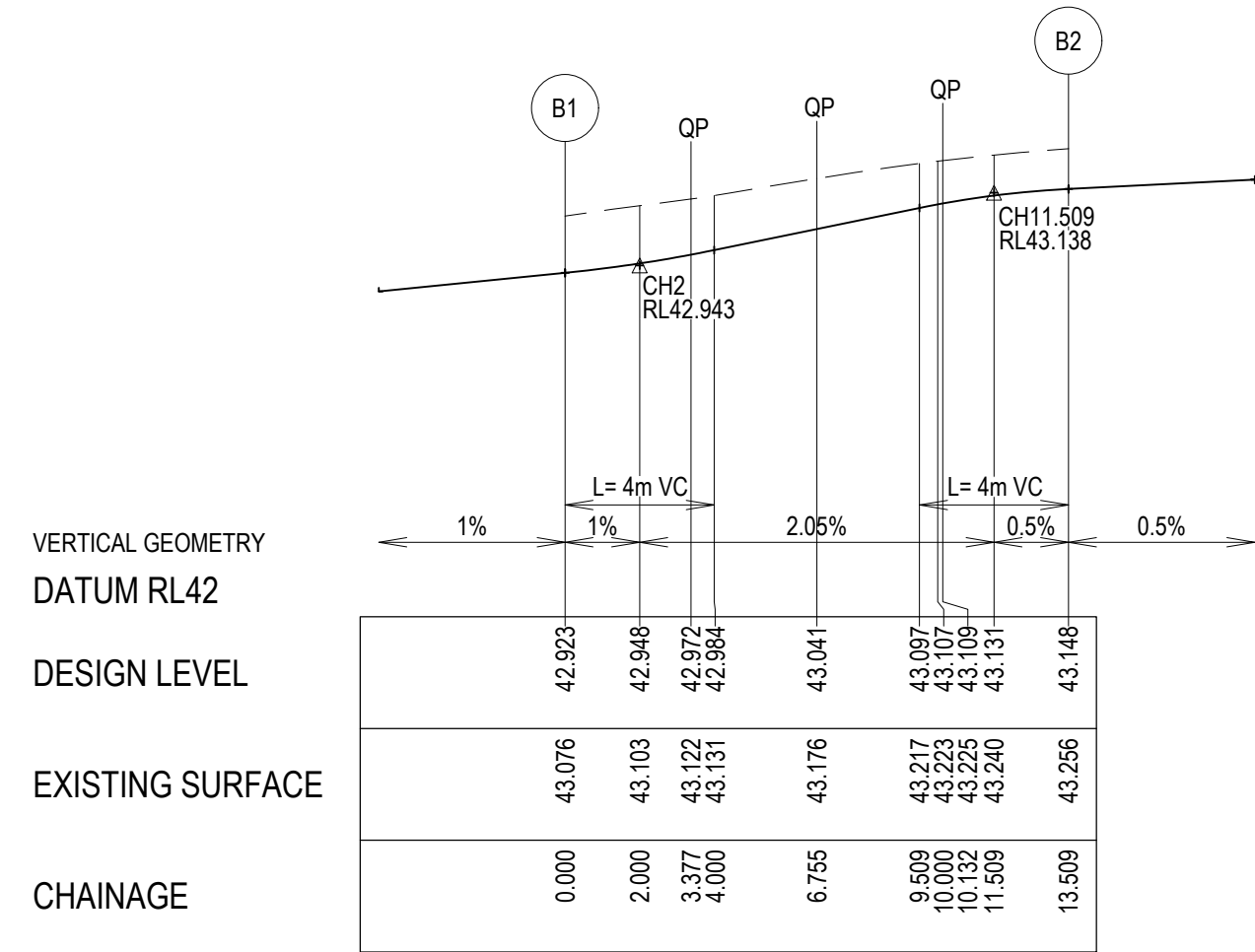
NOTE:
REFER SHEET R800 FOR
SIGNAGE & LINEMARKING PLAN



SETOUT INFORMATION - LIP LINE A

PT NO	EASTING	NORTHING	RL
A1	265102.659	5766571.577	43.029
A2	265112.219	5766579.095	42.923

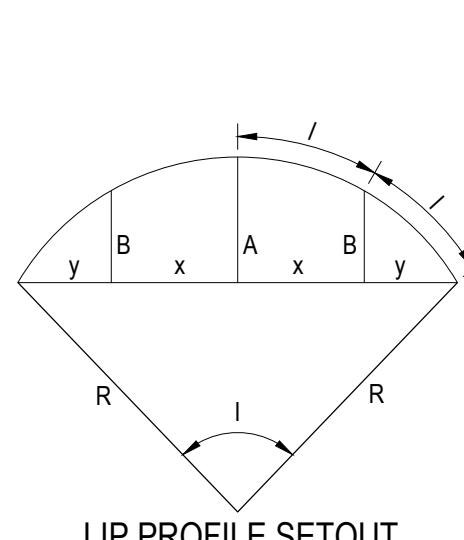
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
A1 - A2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	42.991



SETOUT INFORMATION - LIP LINE B




PT NO	EASTING	NORTHING	RL
B1	265113.015	5766585.748	42.923
B2	265105.497	5766595.308	43.148

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
B1 - B2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	43.041

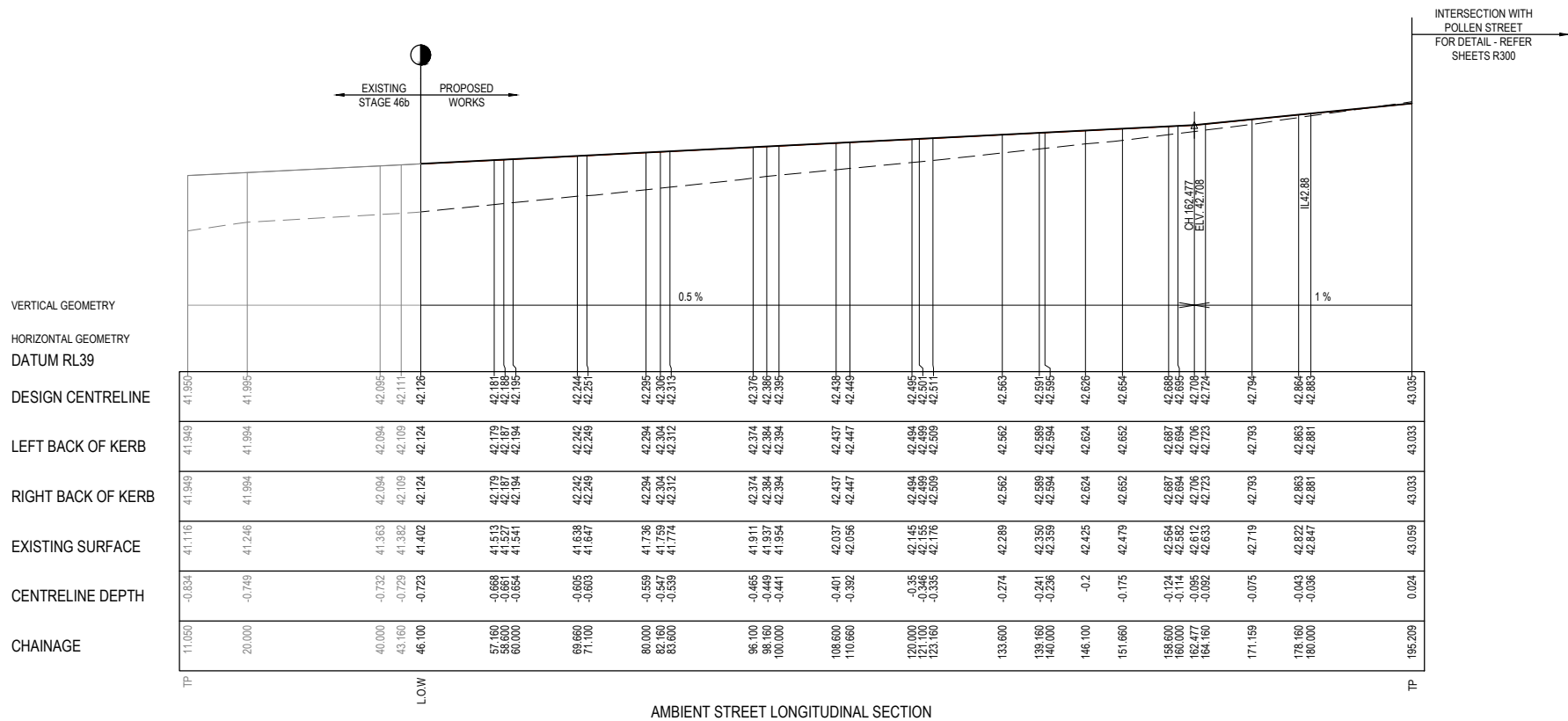
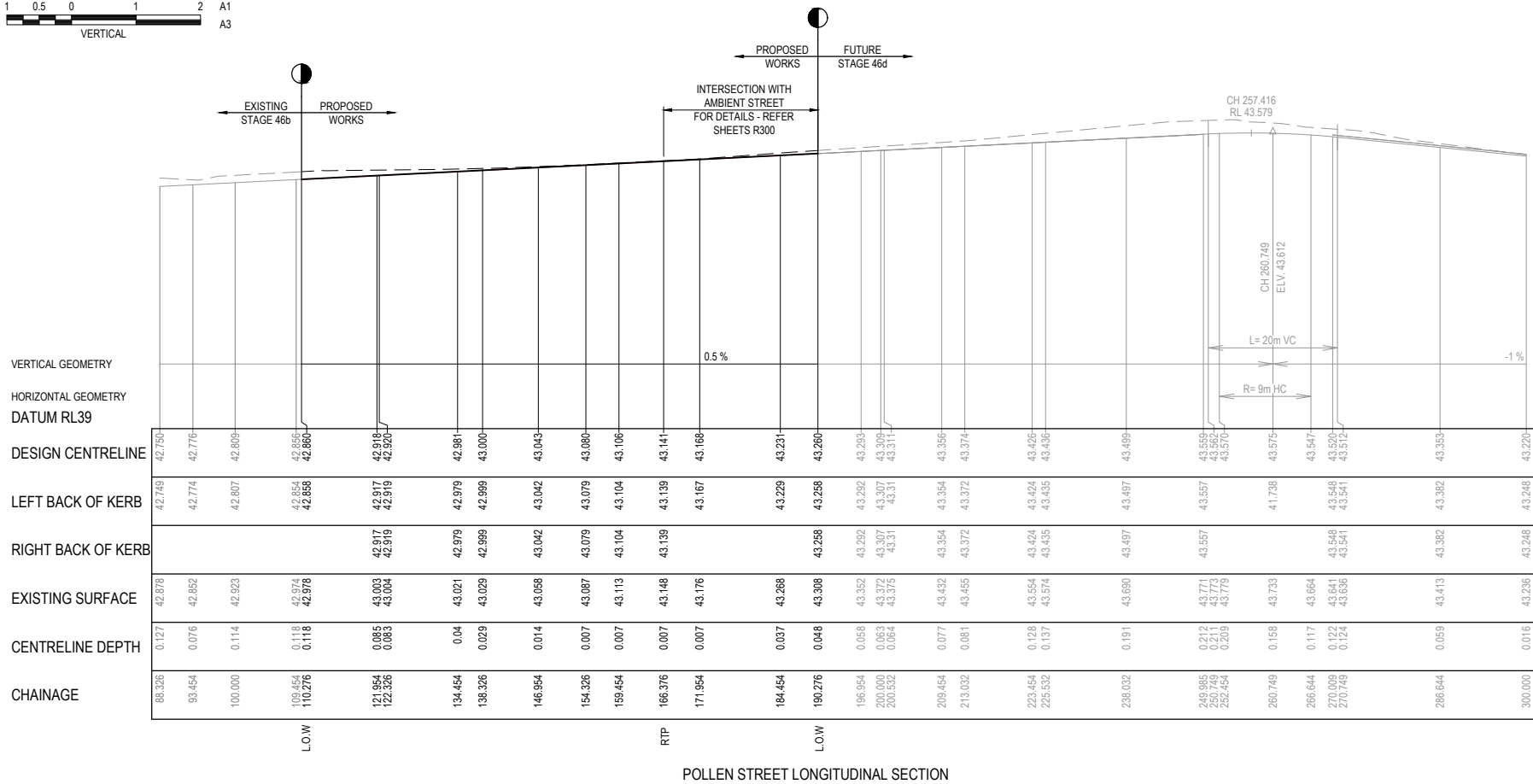
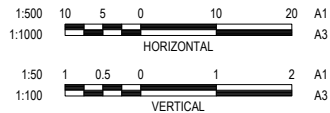


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1:400 HORIZONTAL
1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 VERTICAL

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		ARMSTRONG - STAGE 46C INTERSECTION DETAIL PLAN	ISSUED FOR CONSTRUCTION	AS SHOWN	K.MCKELVIE	K.MCKELVIE
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS								
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											PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
											M.TROUNCE	T.PALIOS	JUNE 2020
											PROJECT No.	DRAWING No.	REVISION
											180016.46C	R300	0

LEGEND	
---	EXISTING SURFACE
---	DESIGN LINE
---	FUTURE DESIGN LINE
---	LEFT BACK OF KERB
---	RIGHT BACK OF KERB



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Sheet 4 of 12
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POLLEN STREET CENTRELINE SETOUT

CHAINAGE EASTING NORTHING BEARING

110.276 265092.671 5766516.272 6°49'11" IP
190.276 265102.171 5766595.706 6°49'11" IP

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chainage = 110.2764

IP 2
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AMBIENT STREET CENTRELINE SETOUT




CHAINAGE EASTING NORTHING BEARING

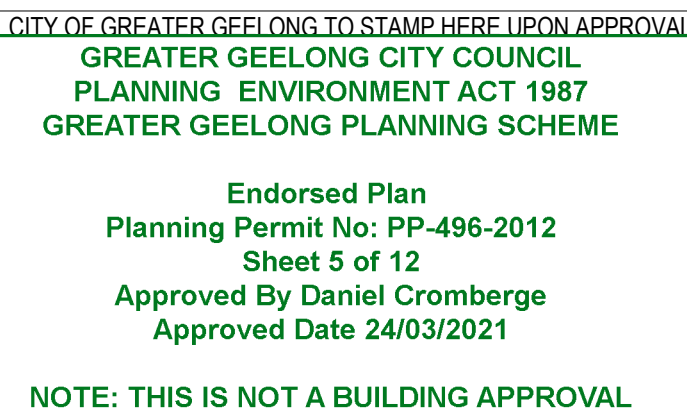
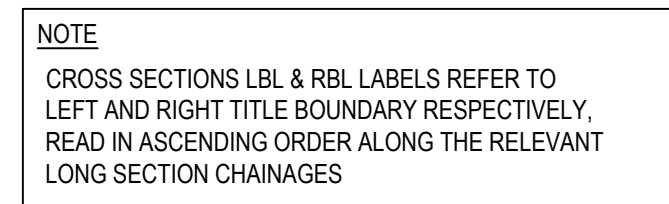
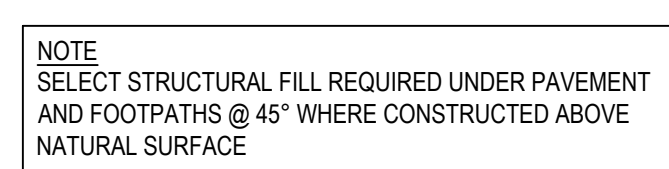
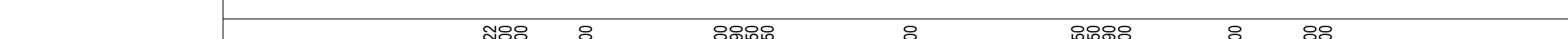
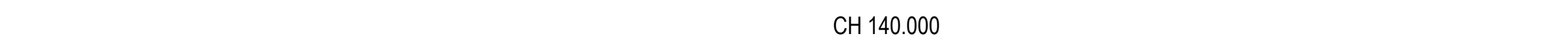
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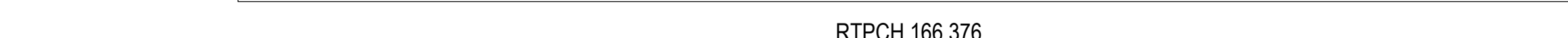
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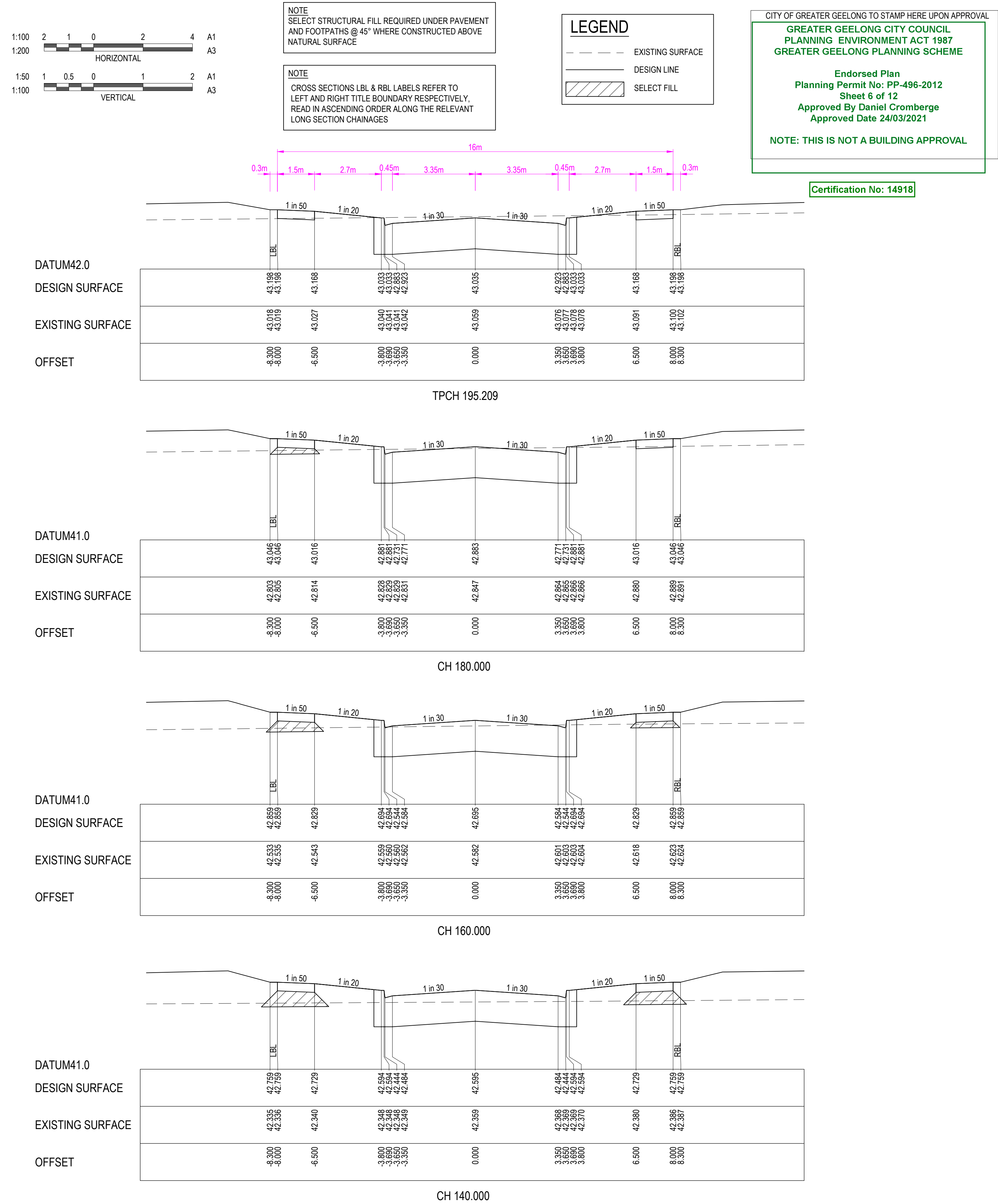
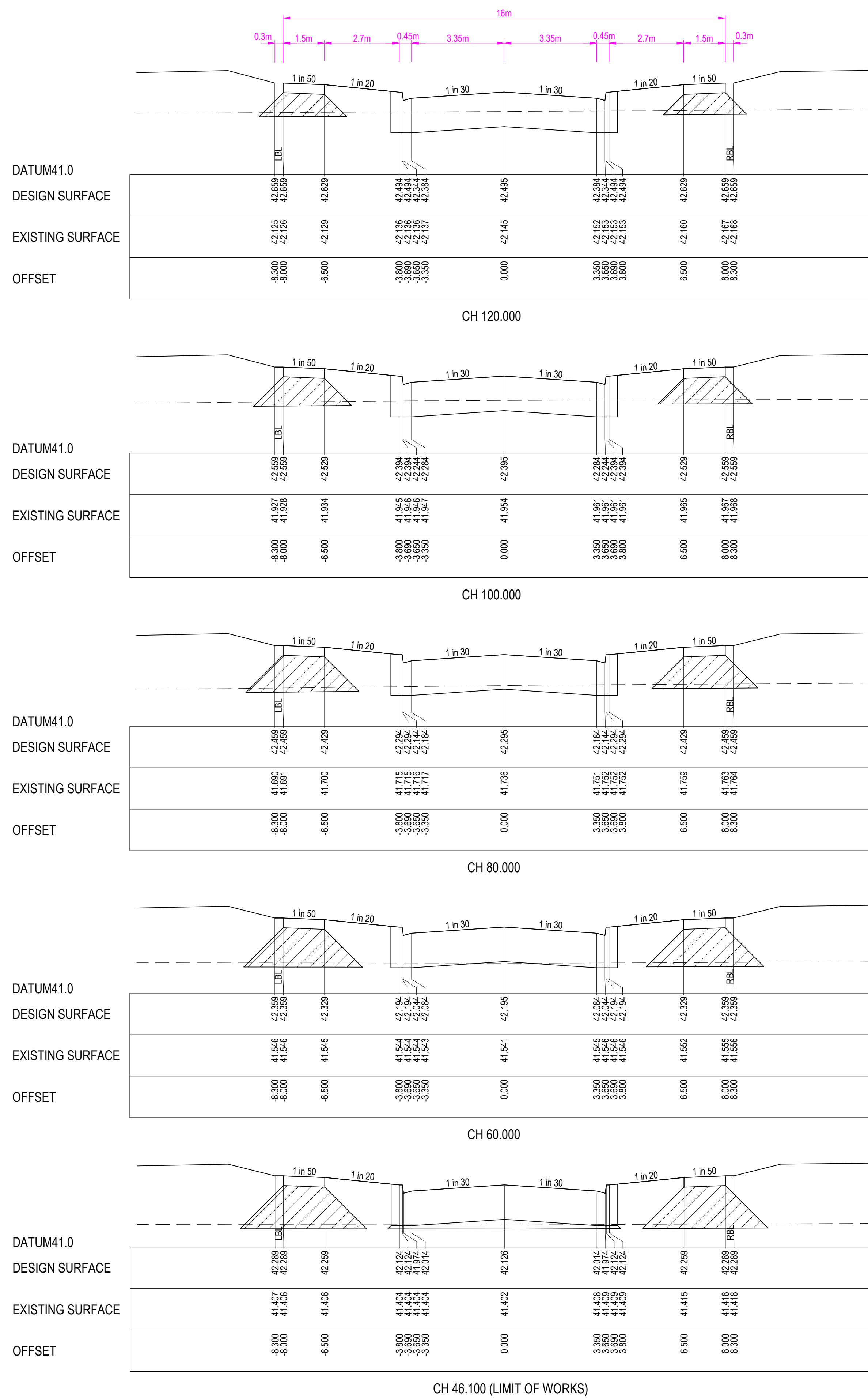
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Certification No: 14918

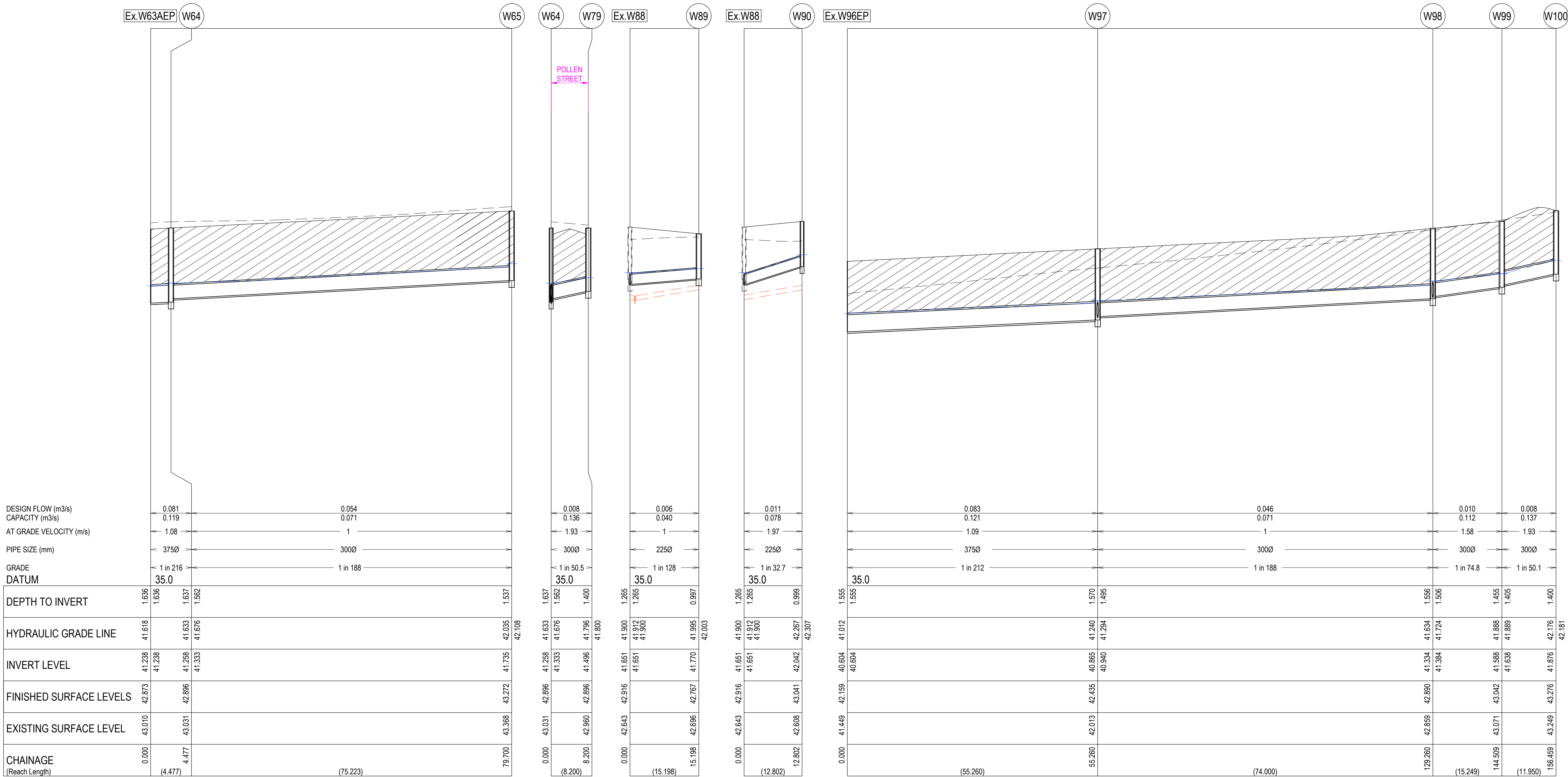


REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 ARMSTRONG AMT DUNEED	ARMSTRONG - STAGE 46C ROAD CROSS SECTIONS - 01 POLLEN STREET	ISSUED FOR CONSTRUCTION	AS SHOWN	K.MCKELVIE	K.MCKELVIE
					PROJECT ENGINEER						PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE						T.PALIOS	JUNE 2020	
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS						PROJECT No.	DRAWING No.	REVISION
A	19/06/20	ISSUED FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS						180016.46C	R500	0



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 ARMSTRONG - STAGE 46C ROAD CROSS SECTIONS - 02 AMBIENT STREET	ISSUED FOR CONSTRUCTION	AS SHOWN	K.MCKELVIE	K.MCKELVIE
					PROJECT ENGINEER					PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE					T.PALIOS	JUNE 2020	
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS					PROJECT No.	DRAWING No.	REVISION
A	19/06/20	ISSUED FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS					180016.46C	R501	0

Certification No: 14918



NOTES

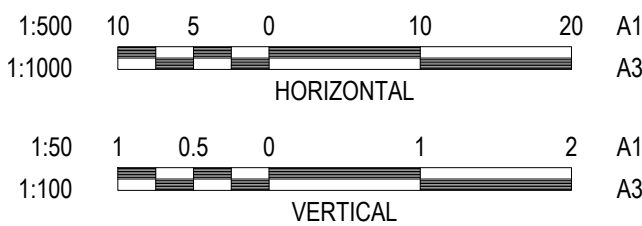
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSEOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSEOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
- ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
- WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
- ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.




REINFORCED CONCRETE PIPES

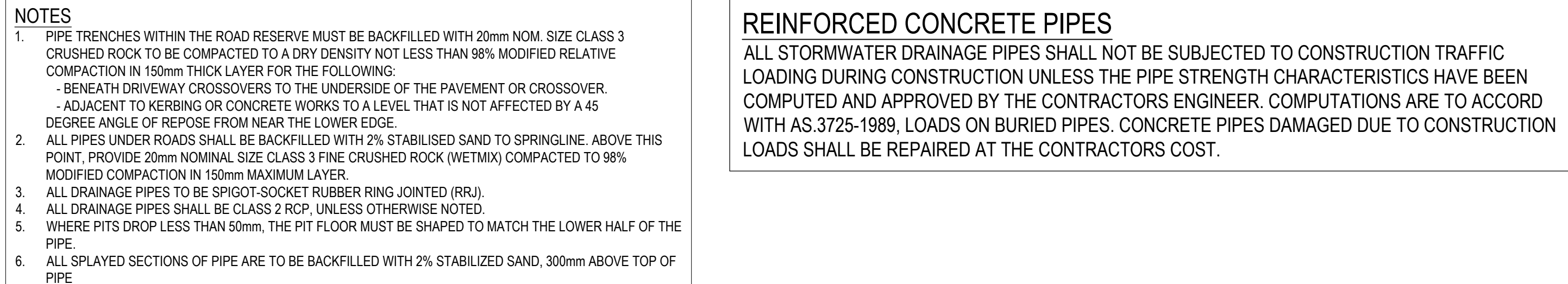
ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.




LEGEND

- EXISTING SURFACE
 - DESIGN SURFACE
 - DRAINAGE PIPE/PIT
 - EXISTING DRAINAGE PIPE/PIT
 - HYDRAULIC GRADE LINE
 - CRUSHED ROCK BACKFILL
- NOTE: ALL DRAINAGE PIPES ARE CLASS 2 TYPE UNLESS OTHERWISE SHOWN



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 ARMSTRONG MT DUNEED	ISSUED FOR CONSTRUCTION	AS SHOWN	K.MCKELVIE	K.MCKELVIE
					PROJECT ENGINEER					PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE					T.PALIOS	JUNE 2020	
					PROJECT No.					DRAWING No.	REVISION	
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS					180016.46C	R600	0
A	19/06/20	ISSUE FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS							






REVISION			DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED		
								 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 ARMSTRONG MT DUNEED	ARMSTRONG - STAGE 46C DRAINAGE LONG SECTIONS - 02	ISSUED FOR CONSTRUCTION	AS SHOWN	K.MCKELVIE	K.MCKELVIE		
1	02/03/21	PIT W103B RELOCATED	T.THOMAS	M.TROUNCE	T.PALIOS												
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS												
A	19/06/20	ISSUE FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS												
													PROJECT No.		DRAWING No.		REVISION
													180016.46C		R601		1

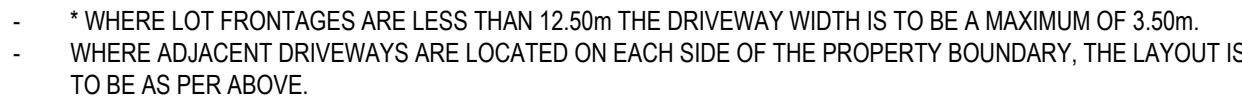
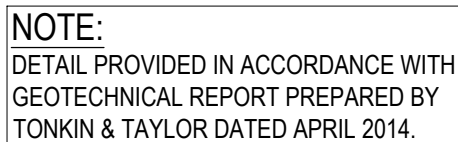
Certification No: 14918




PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIA. (mm)	INVERT RL (m)	DIA. (mm)	INVERT RL (m)				
Ex.W88	Ex.SIDE ENTRY PIT	Ex.600	Ex.900	225	41.651	Ex.225	Ex.41.601	42.916	1.265	IDM SD 425	CONNECT TO EXISTING NORTH AND SOUTH STUBS
				225	41.651						
W90	JUNCTION PIT	600	900	-	-	225	42.042	43.041	0.999	IDM SD 425	
W89	JUNCTION PIT	600	900	-	-	225	41.770	42.767	0.997	IDM SD 425	
W105	SIDE ENTRY PIT	600	900	-	-	300	41.490	42.890	1.400	IDM SD 430	
W104	SIDE ENTRY PIT	600	900	-	-	300	41.078	42.478	1.400	IDM SD 430	
Ex.W96EP	Ex.ENDPIPE	-	-	375	40.604	Ex.375	Ex.40.605	42.159	1.555		CONNECT TO EXISITNG ENDPIPE
W97	SIDE ENTRY PIT	600	900	300	40.940	375	40.865	42.435	1.570	IDM SD 430	
				300	40.940						
W98	SIDE ENTRY PIT	600	900	300	41.384	300	41.334	42.890	1.556	IDM SD 430	
				300	41.384						
W99	SIDE ENTRY PIT	600	900	300	41.638	300	41.588	43.042	1.455	IDM SD 430	
W100	SIDE ENTRY PIT	600	900	-	-	300	41.876	43.276	1.400	IDM SD 430	
Ex.W101	Ex.JUNCTION PIT	Ex.600	Ex.900	300	41.189	Ex.300	Ex.41.139	42.651	1.462		CONNECT TO EXISTING STUB
W102	JUNCTION PIT	600	900	300	41.538	300	41.488	42.951	1.463	IDM SD 425	
W102A	JUNCTION PIT	600	900	300	41.828	300	41.778	43.186	1.408	IDM SD 425	
W103	JUNCTION PIT	600	900	225	42.178	300	42.103	43.427	1.324	IDM SD 425	PROVIDE BLOCKOUT IN NORTH WALL FOR FUTURE 225dia. IL42.178. PROVIDE BLOCKOUT IN SOUTH WALL FOR FUTURE 225dia. IL42.178.
				225	42.178						
W103B	JUNCTION PIT	600	900	-	-	225	42.321	43.302	0.981	IDM SD 425	
Ex.W63AEP	Ex.ENDPIPE			375	41.238	Ex.375	Ex.41.238	42.873	1.636		CONNECT TO EXISITNG ENDPIPE
W64	SIDE ENTRY PIT	600	900	300	41.333	375	41.258	42.896	1.637	IDM SD 430	
				300	41.333						
W65	SIDE ENTRY PIT	600	900	-	-	300	41.735	43.272	1.537	IDM SD 430	PROVIDE BLOCKOUT IN NORTH WALL FOR FUTURE 300dia. IL41.785
W79	SIDE ENTRY PIT	600	900	-	-	300	41.496	42.896	1.400	IDM SD 430	

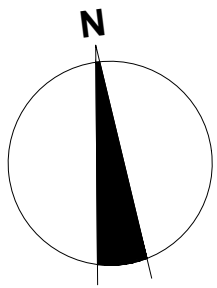
NOTE:
PIT COVERS ARE TO BE PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE 13. ALL PITS WITHIN ROAD RESERVE ARE TO BE CLASS C FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS AGREED OTHERWISE.

1

REVISION			DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED					
								 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		ARMSTRONG - STAGE 46C PIT SCHEDULE	ISSUED FOR CONSTRUCTION	AS SHOWN	K.MCKELVIE	K.MCKELVIE				
1			02/03/21	PIT W103B RELOCATED	T.THOMAS	M.TROUNCE	T.PALIOS												
0			03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS												
A			19/06/20	ISSUE FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS												



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 ARMSTRONG - STAGE 46C TYPICAL DETAILS	ISSUED FOR CONSTRUCTION	AS SHOWN	K.MCKELVIE	K.MCKELVIE
					PROJECT ENGINEER					PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE					T.PALIOS	JUNE 2020	
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS					PROJECT No.	DRAWING No.	REVISION
A	19/06/20	ISSUED FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS					180016.46C	R700	0



LINEMARKING & SIGNAGE NOTES:

1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
2. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
3. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.

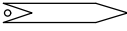

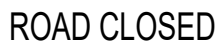


CITY OF GREATER GEELONG
GREATER GEELONG CITY COUNCIL
PLANNING ENVIRONMENT ACT 1987
GREATER GEELONG PLANNING SCHEME

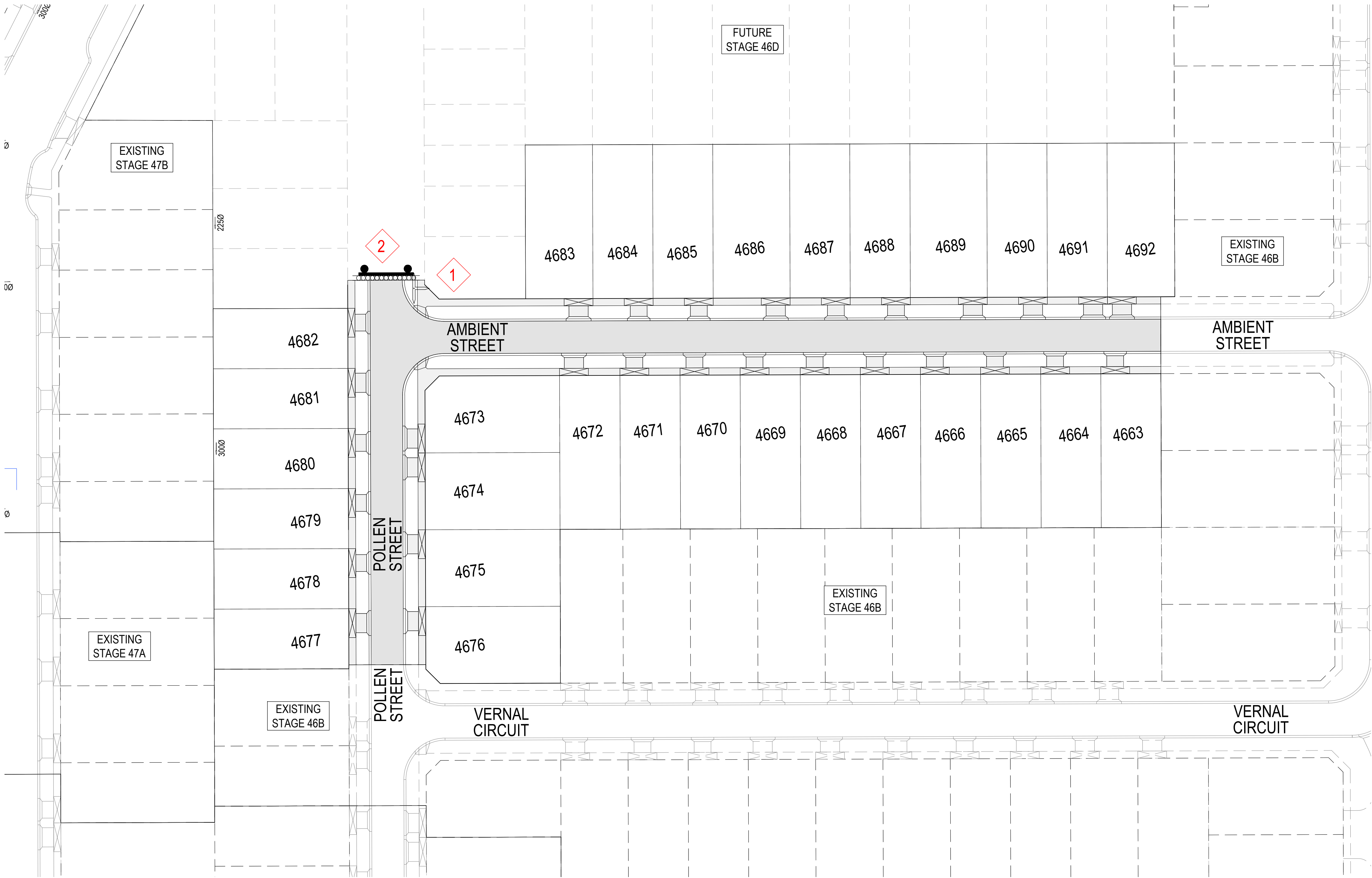
Endorsed Plan
Planning Permit No: PP-496-2012
Sheet 11 of 12
Approved By Daniel Cromberge
Approved Date 24/03/2021

NOTE: THIS IS NOT A BUILDING APPROVAL

Certification No: 14918

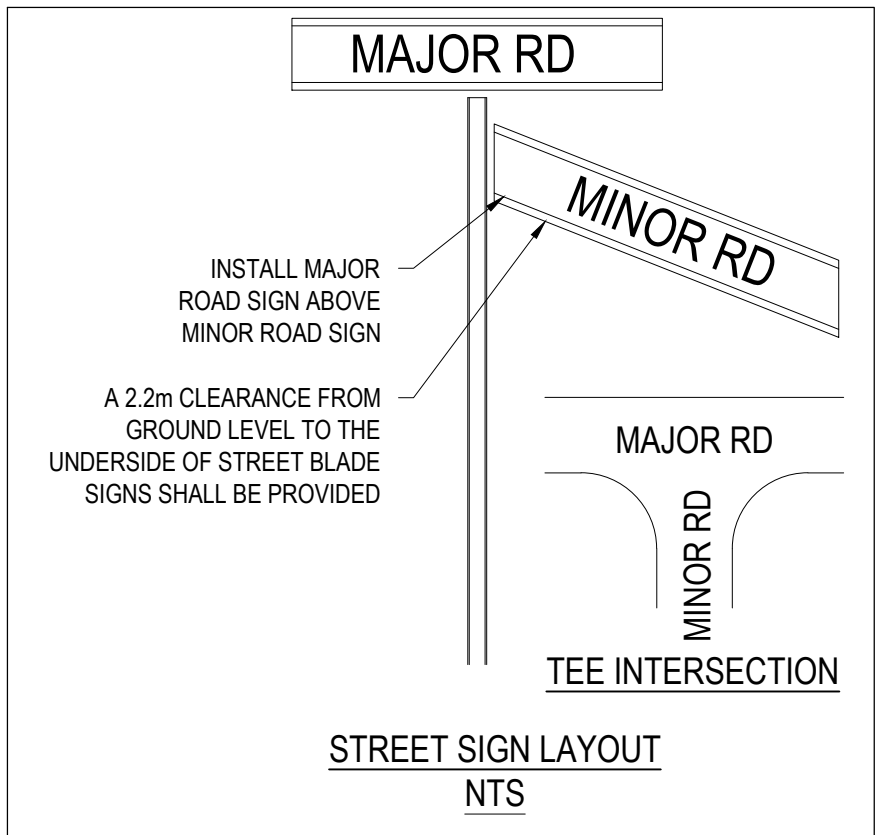
SIGN SCHEDULE

SIGN	REF	QUANTITY
 STREET SIGN		REFER TABLE
 T2-4A  D4-5 STREET SIGN		1 No



STREET SIGN SCHEDULE

POLLEN ST	1No.
AMBIENT ST	1No.



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	03/09/20	CONSTRUCTION ISSUE	K.MCKELVIE	M.TROUNCE	T.PALIOS
A	19/06/20	ISSUE FOR APPROVAL	K.MCKELVIE	M.TROUNCE	T.PALIOS



Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

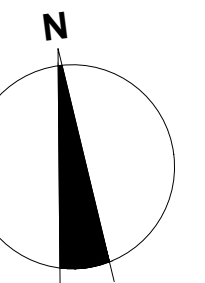
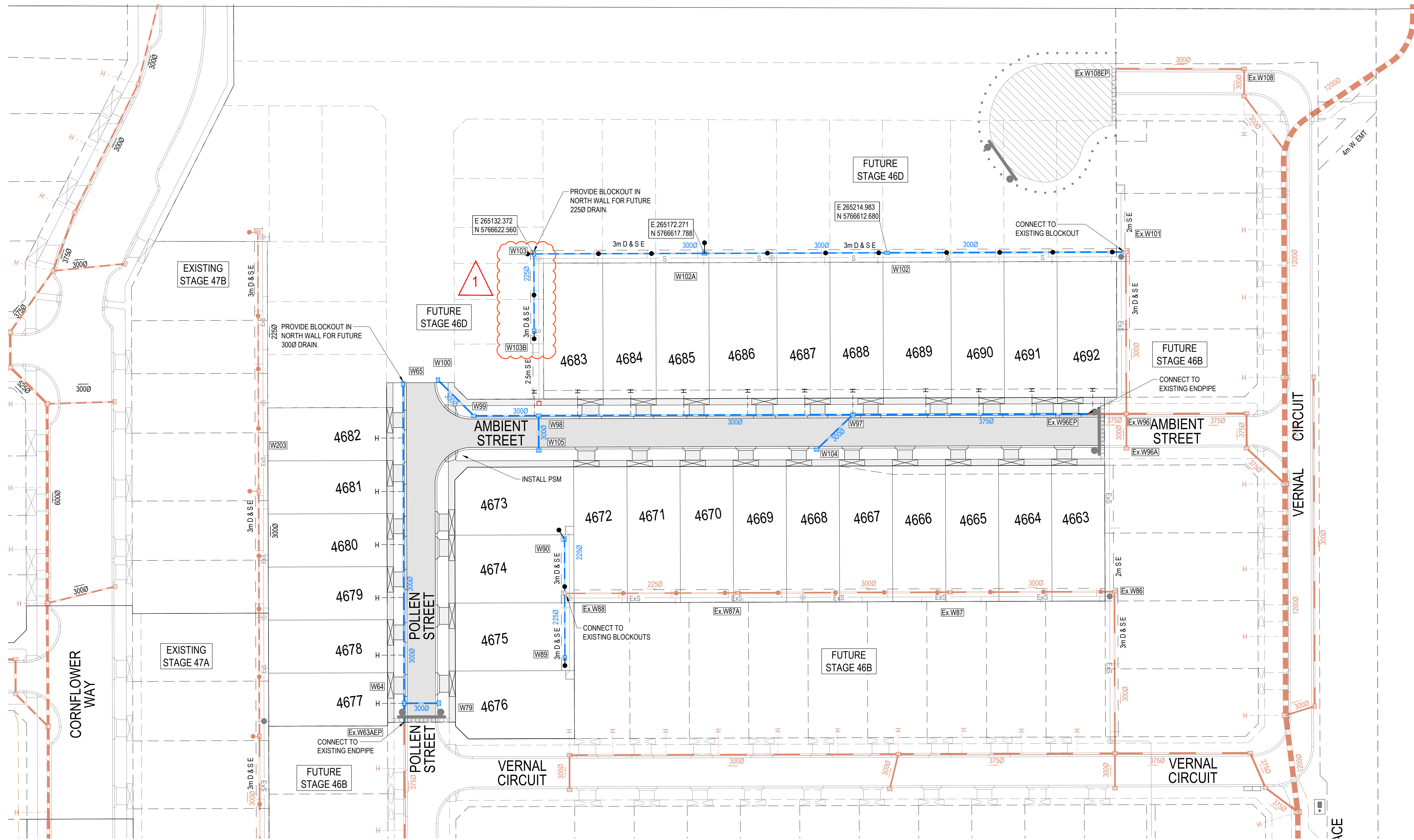


ARMSTRONG - STAGE 46C
SIGNAGE & LINEMARKING PLAN

ISSUED FOR
CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN K.MCKELVIE	DESIGNED K.MCKELVIE
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE JUNE 2020
PROJECT No. 180016.46C	DRAWING No. R800	REVISION 0

Certification No: 14918



1:500 10 5 0 10 20 A1
1:1000 A3

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	02/03/21	PIT W103B RELOCATED	T. THOMAS	M. TROUNCE	T. PALIOS
0	03/09/20	CONSTRUCTION ISSUE	K. MCKELVIE	M. TROUNCE	T. PALIOS
A	19/06/20	ISSUE FOR APPROVAL	K. MCKELVIE	M. TROUNCE	T. PALIOS



ARMSTRONG - STAGE 46C
DRAINAGE LAYOUT PLAN

ISSUED FOR
CONSTRUCTION

SCALE AT A1 1:500 @ A1	DRAWN K. MCKELVIE	DESIGNED K. MCKELVIE
PROJECT ENGINEER M. TROUNCE	PROJECT MANAGER T. PALIOS	DATE FIRST ISSUE JUNE 2020
PROJECT No. 180016.46C	DRAWING No. R900	REVISION 1