

ALAMORA

STAGE 13

WYNDHAM CITY COUNCIL

NOTES:

- GENERAL:**
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE DRAWINGS, CURRENT COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS AND VPA EDM GUIDELINES TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT & A.S.2124-1992 GENERAL CONDITIONS OF CONTRACT.
 - PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED IN PARTICULAR THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORK COVER AUTHORITY - HEALTH AND SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH AND SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
 - THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCING CONSTRUCTION.
 - THE CONTRACTOR SHALL CO-OPERATE WITH OTHER CONTRACTORS AND/OR AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE. THE CONTRACTOR SHALL CHECK WITH THE ENGINEER THE EXACT LOCATION OF ALL PROPOSED SERVICES PRIOR TO THE INSTALLATION OF CONDUITS. ALL WORKS ARE TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
 - THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND SERVICES PRIOR TO COMMENCING EXCAVATIONS AND THE VARIOUS AUTHORITIES ARE TO BE NOTIFIED. SHOULD ANY EXISTING SERVICES BE DAMAGED DURING CONSTRUCTION WORKS, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR REPAIRS. ALL COSTS FOR THIS SHALL BE BORNE BY THE CONTRACTOR.
 - PRIOR TO COMMENCING WORK ON TRENCHES IN EXCESS OF 1.50m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE SECRETARY OF MINERALS AND ENERGY IN ACCORDANCE WITH CLAUSE 202 OF THE MINES (TRENCHES) REGULATIONS 1982. A FOREMAN QUALIFIED AS A MINES MANAGER MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATION WORKS.
 - THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL NECESSARY SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP THE WORKS IN A SAFE AND STABLE CONDITION TO PROTECT THE PUBLIC FROM THE WORKS. UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP & GRADED OVER AND ALL RUBBISH IS TO BE REMOVED. THE SITE IS TO BE LEFT CLEAN & TIDY AND TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
 - UPON COMPLETION OF THE CIVIL WORKS, THE CONTRACTOR SHALL PROVIDE "AS CONSTRUCTED" PLANS IN A D-SPEC AND R-SPEC DIGITAL FORMAT TO COUNCIL'S REQUIREMENTS AND TO THE SATISFACTION OF ALL PARTIES.
 - THE INFRASTRUCTURE MANAGER OR HIS REPRESENTATIVE SHALL BE GIVE ACCESS TO THE SITE AT ALL TIMES. ALL CONSTRUCTION WORKS SHALL BE COMPLETED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
 - BLASTING REQUIRES BLASTING PERMIT FROM COUNCIL.
 - ANY EXISTING PAVEMENT OR DRAINAGE DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD IS TO BE REINSTATED BY THE CONTRACTOR TO THE SATISFACTION OF THE SUPERINTENDENT.

- SURVEY & SETOUT:**
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
 - PERMANENT SURVEY MARK SKETCH PLANS ARE TO BE PREPARED ESTABLISHING A H.D. LEVELS AND A.M.G. CO-ORDINATES FOR REGISTRATION WITH THE C.P.O. BY A LICENSED SURVEYOR.
 - ALL TBMS AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE CONSULTANT TO ARRANGE REINSTATEMENT AT THE CONTRACTORS EXPENSE.

- EARTHWORKS:**
- EARTHWORKS ARE TO BE PERFORMED IN ACCORDANCE WITH A.S.3798-2007 (GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS). FILLING TO BE CARRIED OUT USING APPROVED CLAY FILL. COMPACTED TO 95% AASHO. DAMS AND OPEN CHANNELS TO BE EXCAVATED TO A FIRM BASE TO THE SATISFACTION OF A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO COMMENCEMENT OF FILLING. ALL FILLING MUST COMPLY WITH A.S. 3798-2007 LEVEL 1 AND BE COMPACTED IN 150mm LAYERS. CONTRACTOR TO TAKE LEVELS IN EXISTING DAMS AND CHANNELS PRIOR TO FILLING & LEVELS RECORDED TO BE SUPPLIED TO THE ENGINEER FOR AS CONSTRUCTED PLAN FILLING TO BE CARRIED OUT USING APPROVED MATERIAL. TOPSOIL AND ALL VEGETABLE MATERIAL TO BE STRIPPED FROM FILL SITE PRIOR TO ANY PLACEMENT OF MATERIAL. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
 - FILL AREAS TO BE STRIPPED OF TOPSOIL, THEN REPLACED TO OBTAIN FINAL LEVELS AS SHOWN ON THE DRAWINGS. ALL FILLING TO BE COMPACTED AS SPECIFIED.
 - NO TOP SOIL TO BE REMOVED FROM THE SITE WITHOUT THE APPROVAL OF COUNCIL.
 - THE NATURE STRIPS IN CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED TOPSOIL MATERIAL. IF THE SOIL ON THE SITE, IS NOT SUITABLE, IT SHALL BE IMPORTED AT THE CONTRACTORS EXPENSE. THE APPROVED TOPSOIL MATERIAL IS TO BE TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
 - ALL ALLOTMENTS TO BE GRADED AT A MINIMUM OF 1 IN 150 TO THE LOW CORNER. UNLESS OTHERWISE SHOWN BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 IN 6. ALL BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, HAY, STRAW AND BITUMINOUS EMULSION. ALL TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
 - FOR THE TERM OF THE CONTRACT PERIOD THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTION TO PREVENT THE EMISSION OF DUST, WHETHER FROM THE OPERATION OF CONSTRUCTION EQUIPMENT OR EXPOSURE OF SOIL TO WINDS.
 - APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING CONSTRUCTION AND MAINTENANCE PERIOD.
 - ON COMMENCEMENT OF CONSTRUCTION WORKS THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE EPA PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION NO. 275).
 - COMPACTION RESULTS OF EASEMENTS TO BE PROVIDED TO COUNCILS CONSTRUCTION ENGINEER.

ROADS:

- ALL DIMENSIONS AND RADII ARE GIVEN TO LIP OF KERBS, CHAINAGES ARE WITH RESPECT TO CENTRE LINE OF ROAD RESERVE, UNLESS OTHERWISE SHOWN.
- ALL PAVEMENT MATERIALS ARE TO BE VICROADS APPROVED MATERIALS.
- PAVEMENT SUB-BASE AND BEDDING TO KERB & CHANNEL IS TO EXTEND 300mm BEHIND BACK OF KERB.
- ALL SERVICES ARE TO BE CONSTRUCTED PRIOR TO PLACEMENT OF CAPPING LAYER UNDER ROADS.
- ALL DRIVEWAYS ARE TO BE 3.5m WIDE AND OFFSET 0.75m FROM THE SIDE BOUNDARY OR EASEMENT, UNLESS OTHERWISE SHOWN - REFER EDM 501 & 502 DRIVEWAY LAYBACK AND WINGS TO BE CONSTRUCTED AS A SINGLE SEGMENT OF CONCRETE.
- ACCESS RAMPS (DRIVEWAYS INTO LOTS) SHOULD HAVE A MAXIMUM GRADE OF 1 IN 10.
- CONCRETE SHALL BE 25 MPa FOR BOTH KERB AND CHANNEL AND FOOTPATH, HAVING A MINIMUM CEMENT CONTENT OF 280kg PER CUBIC METRE.
- FOOTPATHS AND VEHICLE CROSSINGS TO BE DOWELLED AT THE END OF EACH DAY'S POUR OF CONCRETE.
- SIGNS, LINEMARKING AND DELINEATORS ARE TO BE INSTALLED AS APPLICABLE ON ROADS IN ACCORDANCE WITH A.S.1742.2.
- STREET SIGNS ARE TO BE PROVIDED TO THE WYNDHAM CITY COUNCIL STANDARD, INCLUDING THE PROVISION OF LOGOS.
- INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKER ON ALL ROAD CENTRELINE AND "GROUND BALL" MARKER POST TO INDICATE THE LOCATION OF ALL FIREPLUGS.

DRAINAGE:

- DRAINAGE PIPES SHALL BE RUBBER RING JOINTS REINFORCED CONCRETE CLASS 2, UNLESS OTHERWISE SHOWN.
- ALL PVC STORM WATER DRAINAGE PIPES TO BE SEWER QUALITY PVC.
- NO PVC STORM WATER DRAINAGE PIPES TO BE LAID UNDER ROADS.
- DRAINAGE PIPES AND PITS ARE SETOUT FROM OFFSETS, RATHER THAN FROM CENTRELINE PIPE CHAINAGES. CURVILINEAR DRAINAGE PIPES MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURES GUIDELINES.
- DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-2007, LOADS ON BURIED PIPES.
- PROPERTY INLET PITS ARE TO BE LOCATED 1.00m FROM LOW SIDE BOUNDARY, UNLESS OTHERWISE SHOWN. INVERTS OF PROPERTY INLETS ARE TO BE A MINIMUM OF 400mm BELOW FINISHED SURFACE.
- HOUSE DRAINS ARE TO BE CONNECTED DIRECTLY INTO UNDERGROUND DRAINAGE PIPES OR PITS AND OFFSET FROM SIDE BOUNDARY 5.50m WHERE POSSIBLE AS PER EDM 701. THE LOCATION OF THE HOUSE DRAIN TO BE MARKED AS PER EDM 303. HOUSE DRAIN LEVEL TO BE A MINIMUM 0.4m BELOW THE LOWEST CORNER OF THE LOT.
- ALL DRAINAGE PIPES UNDER ROAD PAVEMENT, DRIVEWAY, FOOTPATH & KERB AND CHANNEL SHALL BE BACKFILLED WITH CLASS 3 F.C.R.
- PRIOR TO THE ISSUE OF STATEMENT OF COMPLIANCE, ALL DRAINS ARE TO BE CCTV TESTED AND THE RESULTS PROVIDED TO COUNCIL.
- SUBSURFACE DRAINS ARE TO BE LAID BEHIND ALL KERB AND CHANNEL AS PER EDM 202.
- WHEN ROADS ARE TRUNCATED AGAINST RISING LAND PENDING DEVELOPMENT OF FUTURE STAGES, TEMPORARY A.G. DRAINS SHALL BE INSTALLED ACROSS THE END OF THE ROAD TO PREVENT SEEPAGE INTO PAVEMENT.

UTILITIES:

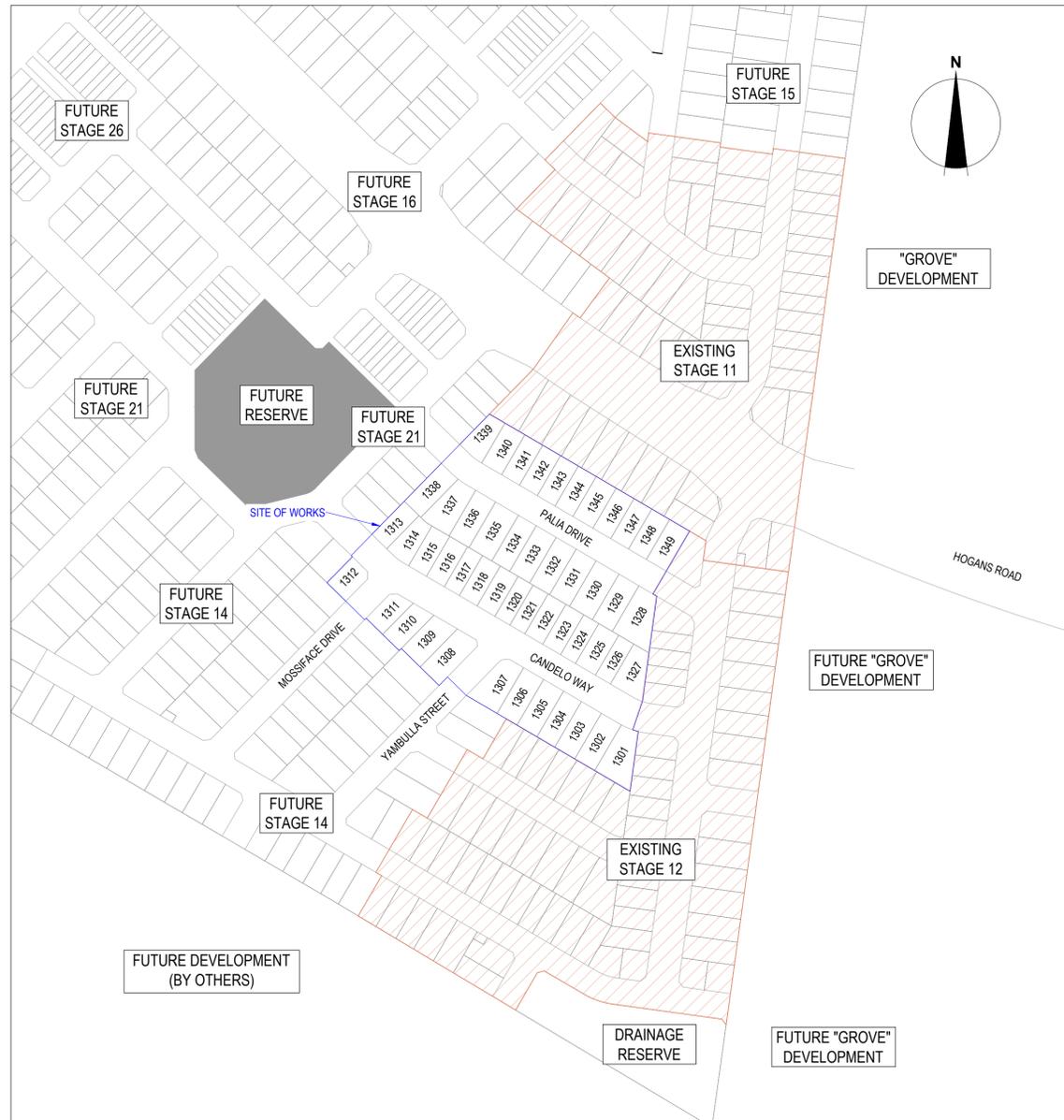
- SERVICE CONDUITS ARE TO BE INSTALLED AT THE LOCATIONS SHOWN ON THIS DRAWING. LOCATION OF ALL UNDERGROUND SERVICE CONDUITS TO BE MARKED ON KERB & CHANNEL AS PER EDM 303. SERVICE CONDUITS THAT ARE SUBJECT TO AMENDMENT SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT.
- ALL CONDUIT TRENCHES UNDER ROAD PAVEMENT, DRIVEWAY, FOOTPATH & KERB AND CHANNEL SHALL BE BACKFILLED WITH CLASS 2 F.C.R.
- NBN TO BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- NBN PITS ARE TO BE CLEAR OF PATHS - WITH THE EXCEPTION OF NEMI PARADE (WEST SIDE).
- LOCATION OF ELECTRICITY AND VUF CONDUITS WILL BE PROVIDED ON SEPARATE DRAWINGS.
- CONCRETE IS TO BE PLACED AROUND ELECTRICAL DISTRIBUTION PITS TO A MINIMUM DEPTH OF 125mm. DISTRIBUTION PITS WITHIN FOOTPATHS ARE TO A MINIMUM OF 300mm WITHIN THE EDGE OF PATH.

VEGETATION:

- ALL EXISTING TREES ARE TO BE PROTECTED DURING CONSTRUCTION.
- ANY TREE REMOVAL MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN OR AS DIRECTED ON SITE BY THE LANDSCAPE APPROVALS OFFICER. TREES SHOWN ON THE PLANS ARE TO BE RETAINED AND PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- ALL ROOTS AND DECOMPOSABLE MATERIAL UNDER ROAD PAVEMENTS SHALL BE REMOVED TO THE SATISFACTION OF COUNCIL'S SUPERINTENDENT.
- NO SURPLUS TREES OR VEGETATION ARE TO BE BURNT ON SITE.

STRUCTURAL:

- A BUILDING PERMIT MUST BE OBTAINED FOR ANY STRUCTURE/RETAINING WALL EXCEEDING 1.0m IN HEIGHT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA. COPY OF BUILDING PERMITS AND 'CERTIFICATE F COMPLIANCE-CONSTRUCTION' TO BE SUBMITTED TO COUNCIL PRIOR TO 'STATEMENT OF COMPLIANCE'.
- ALL STRUCTURAL WORK MUST BE SUPERVISED BY A QUALIFIED STRUCTURAL ENGINEER.



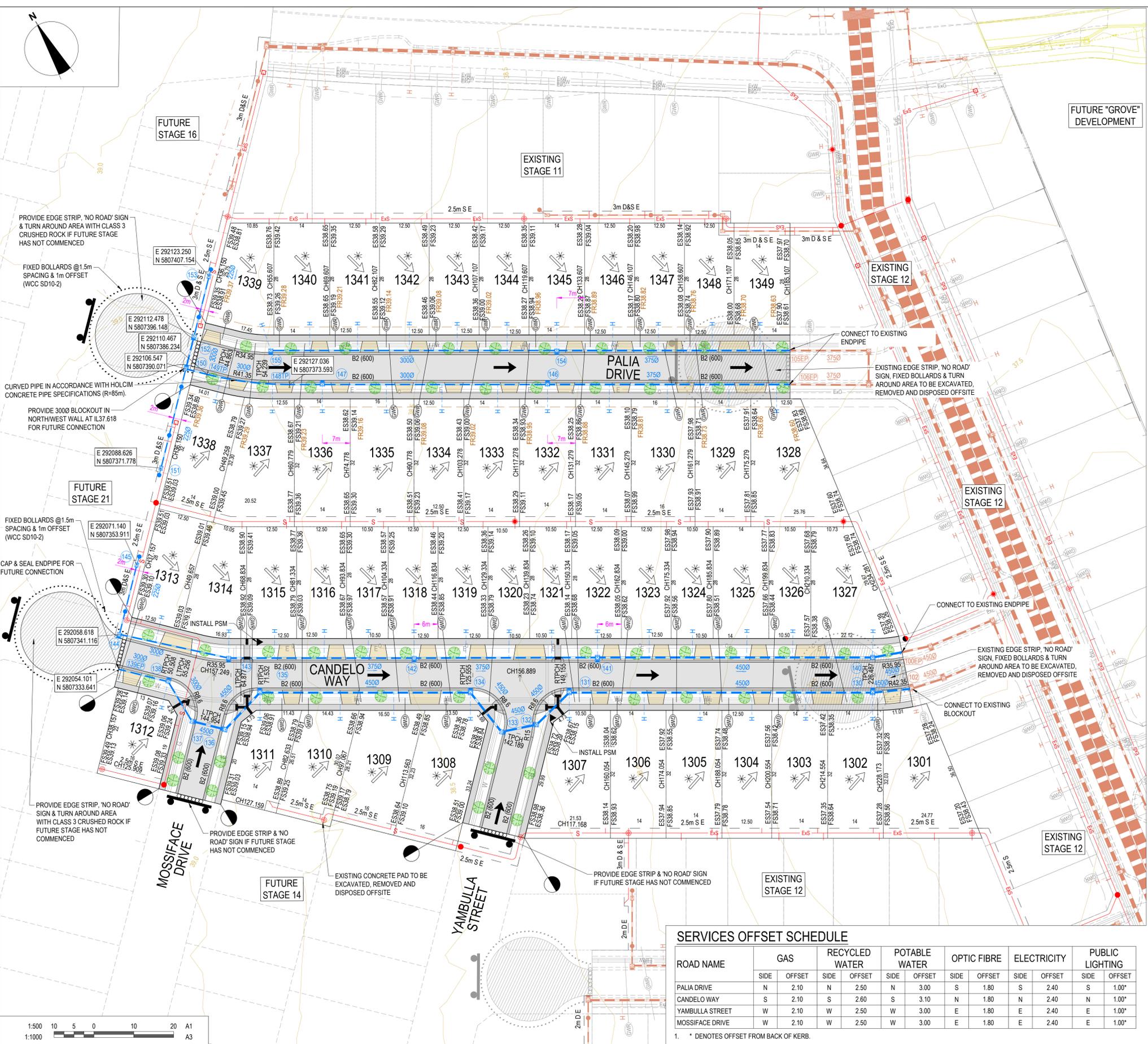
Sheet List Table

Drawing No.	Sheet Title	Revision
R100	COVER SHEET	AC
R200	LAYOUT PLAN	AC
R201	EARTHWORKS PLAN	AC
R300	INTERSECTION DETAILS	AC
R400	ROAD LONGITUDINAL SECTIONS - 1	AC
R401	ROAD LONGITUDINAL SECTIONS - 2	AC
R500	ROAD CROSS SECTIONS - 1	AC
R501	ROAD CROSS SECTIONS - 2	AC
R502	ROAD CROSS SECTIONS - 3	AC
R503	ROAD CROSS SECTIONS - 4	AC
R504	ROAD CROSS SECTIONS - 5	AC
R600	DRAINAGE LONGITUDINAL SECTIONS - 1	AC
R601	DRAINAGE LONGITUDINAL SECTIONS - 2	AC
R602	DRAINAGE LONGITUDINAL SECTIONS - 3	AC
R603	DRAINAGE PIT SCHEDULE	AC
R700	TYPICAL DETAILS	AC
R800	SIGNAGE & LINEMARKING PLAN	AC

NOTE:
THE SITE OF WORKS IS SUBJECT TO THE PROVISIONS OF CULTURAL HERITAGE MANAGEMENT PLAN No.15676.
ALL WORKS AND PERSONNEL MUST OBSERVE THE REQUIREMENTS OF THE MANAGEMENT PLAN AT ALL TIMES.

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

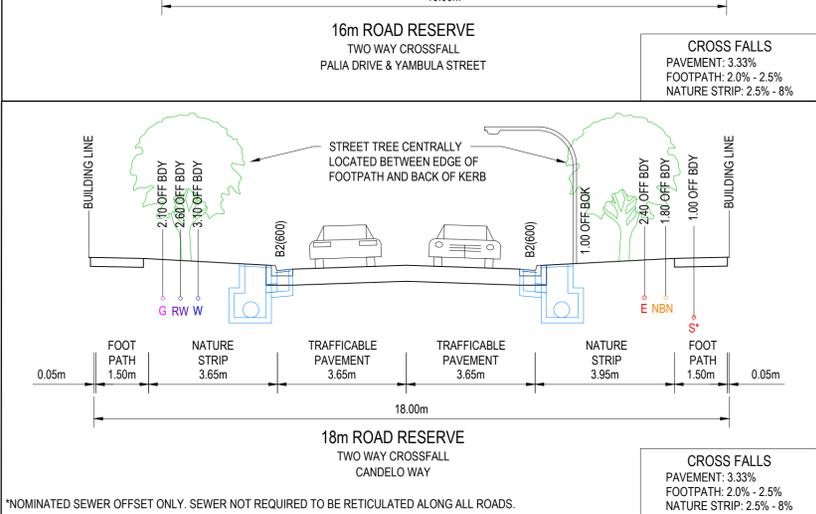
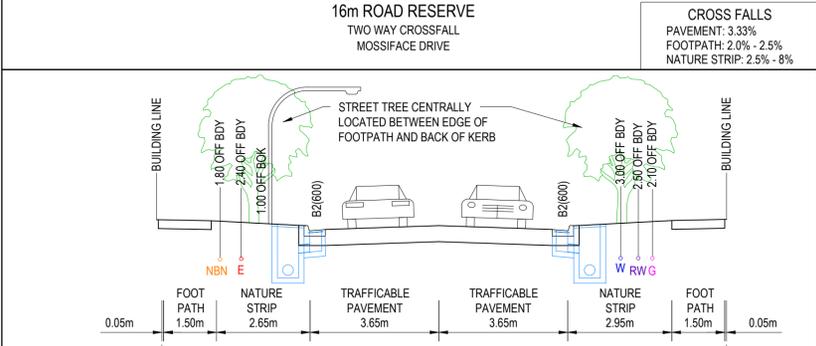
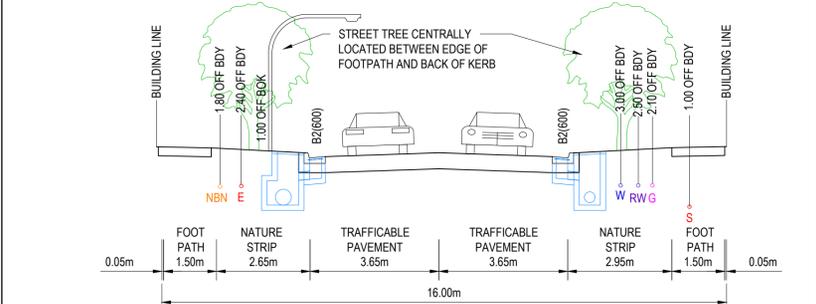
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	PROJECT No.	DRAWING No.	REVISION
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.	 Communities Designed for Living	 Suite 1, 2 Bloombsbury Street Geelong, VIC, Australia 3220	ALAMORA - STAGE 13 COVER SHEET	AS CONSTRUCTED	1:2000 @ A1	C.ROHDE	C.ROHDE	M.TROUNCE	M.TROUNCE	JANUARY 2023	200282.13	R100	AC
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.													
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.													
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.													



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

NOTE: STREET TREE LOCATIONS SHOWN ARE INDICATIVE ONLY. ULTIMATE LOCATION IS TO BE PROVIDED/CONFIRMED BY LANDSCAPE ARCHITECTS

- LEGEND - LAYOUT PLAN**
- STORMWATER DRAIN, PIT & PROPERTY INLET PIT
 - EXISTING STORMWATER DRAIN
 - SEWER & MAINTENANCE STRUCTURES
 - EXISTING SEWER
 - HOUSE DRAIN
 - SERVICE CONDUITS
 - PROPOSED ELECTRICITY (UNDERGROUND)
 - PROPOSED GAS
 - PROPOSED OPTIC FIBRE
 - PROPOSED TELSTRA
 - PROPOSED WATER
 - PROPOSED RECYCLED WATER
 - EXISTING ELECTRICITY (UNDERGROUND)
 - EXISTING ELECTRICITY (OVERHEAD)
 - EXISTING GAS
 - EXISTING OPTIC FIBRE
 - EXISTING TELSTRA
 - EXISTING WATER
 - EXISTING RECYCLED WATER
 - DIRECTION OF FALL
 - ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
 - CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
 - LIMIT OF WORKS
 - EXISTING TREE TO BE REMOVED
 - PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
 - 0.25m EXISTING CONTOUR
 - STORM WATER PIT SETOUT POINT



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
PALIA DRIVE	N	2.10	N	2.50	N	3.00	S	1.80	S	2.40	S	1.00*
CANDELE WAY	S	2.10	S	2.60	S	3.10	N	1.80	N	2.40	N	1.00*
YAMBULLA STREET	W	2.10	W	2.50	W	3.00	E	1.80	E	2.40	E	1.00*
MOSSIFACE DRIVE	W	2.10	W	2.50	W	3.00	E	1.80	E	2.40	E	1.00*

1. * DENOTES OFFSET FROM BACK OF KERB.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
O	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

villawood
 properties
 Communities Designed for Living

creo
 CONSULTANTS
 Suite 1, 2 Bloomsbury Street
 Geelong, VIC, Australia 3220

ALAMORA
 Jarrett

ALAMORA - STAGE 13
 LAYOUT PLAN

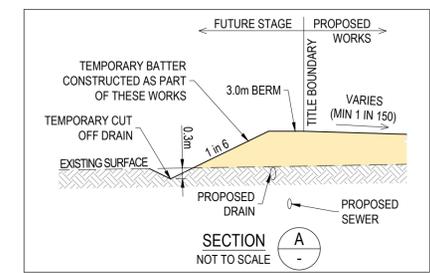
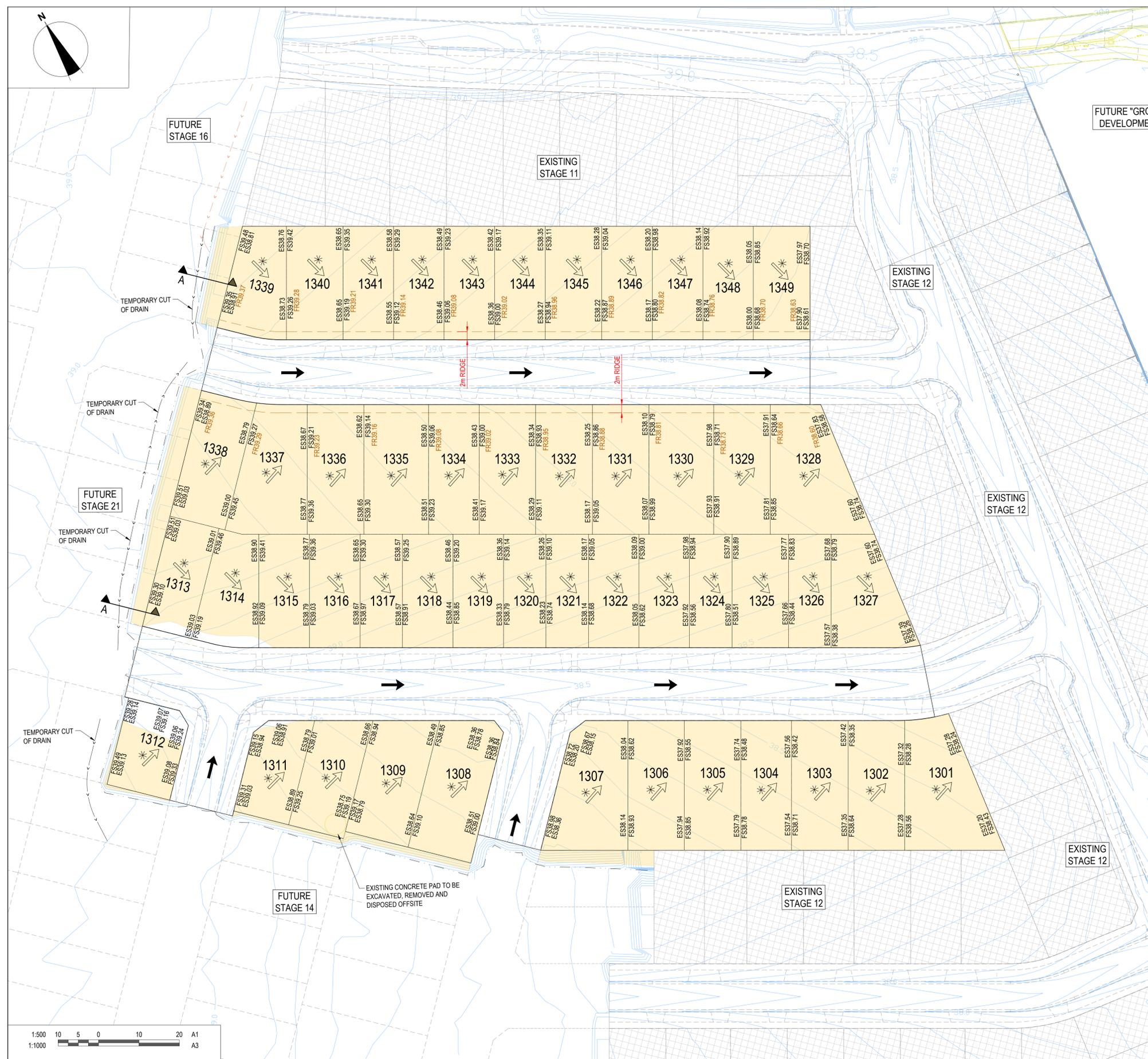
AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R202	AC



LEGEND - EARTHWORKS PLAN

- RIDGE LINE
- TOE OF BATTER
- SWALE DRAIN
- ES141.34 EXISTING SURFACE LEVEL
- FS140.35 FINISHED BUILDING LINE LEVEL
- FR157.40 FINISHED RIDGE LINE LEVEL
- BW140.35 BOTTOM OF RETAINING WALL LEVEL
- TW157.40 TOP OF RETAINING WALL LEVEL
- EXISTING STRUCTURAL FILL > 200mm DEEP
- STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN
- DIRECTION OF FALL TO LEVELS INDICATED
- 0.10m CONTOUR



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



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

PROJECT

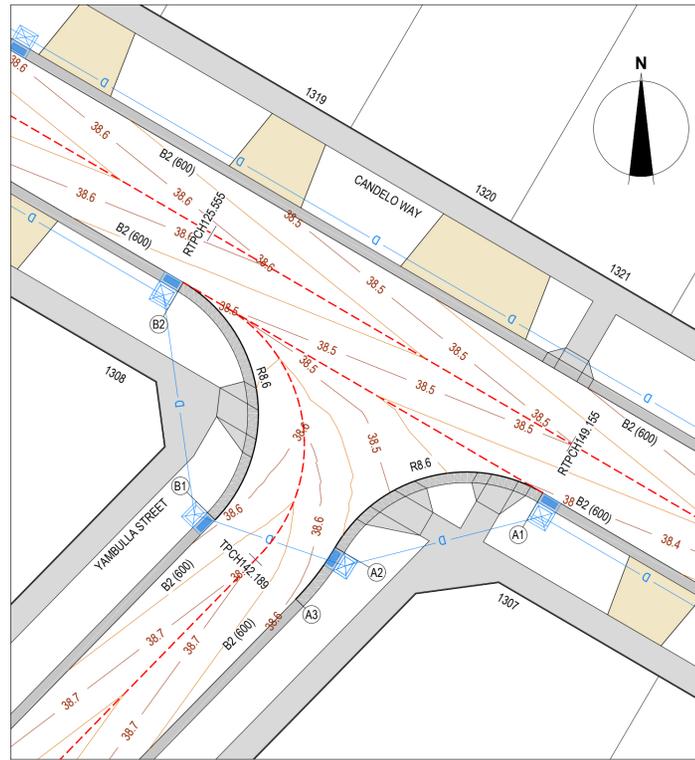
DRAWING TITLE

**ALAMORA - STAGE 13
EARTHWORKS PLAN**

STATUS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R202	AC



CANDELE WAY & YAMBULA STREET INTERSECTION

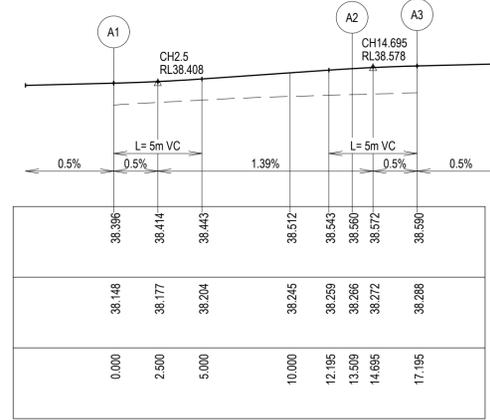


VERTICAL GEOMETRY
DATUM RL37

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE A

ALIGNMENT A

PT NO	EASTING	NORTHING	RL
A1	292148.79	5807272.914	38.396
A2	292137.026	5807269.828	38.56
A3	292134.795	5807266.905	38.59

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	38.467
A2-A3	14.081	15	3.686	0.113	0.085	0.921	0.918	0.922	38.576

VERTICAL GEOMETRY
DATUM RL37

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE B

ALIGNMENT B

PT NO	EASTING	NORTHING	RL
B1	292130.221	5807271.381	38.59
B2	292128.414	5807264.822	38.512

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
B1-B2	104.081	8.6	15.622	3.31	2.438	3.773	3.008	3.906	38.551

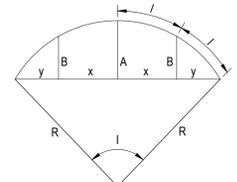
LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MAJOR CONTOUR - 0.1m
- MINOR CONTOUR - 0.05m
- CROWN / GRADE LINE

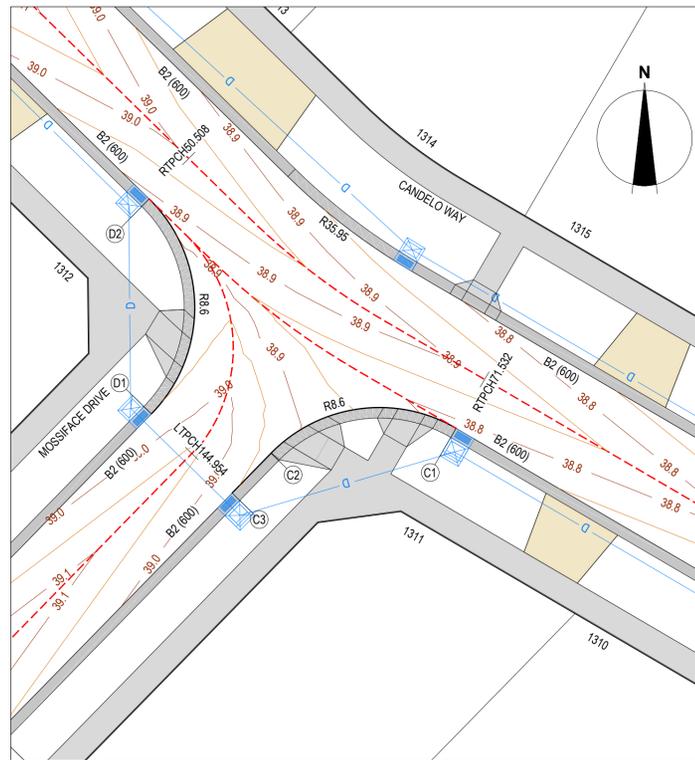
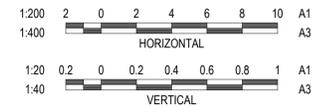
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

LEGEND

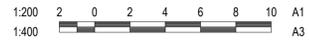
- EXISTING SURFACE
- DESIGN LINE



LIP PROFILE SETOUT



CANDELE WAY & MOSSIFACE DRIVE INTERSECTION

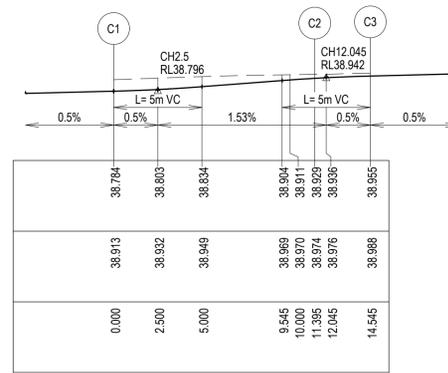


VERTICAL GEOMETRY
DATUM RL38

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE C

ALIGNMENT C

PT NO	EASTING	NORTHING	RL
C1	292081.772	5807312.08	38.784
C2	292071.287	5807310.67	38.929
C3	292069.084	5807308.419	38.955

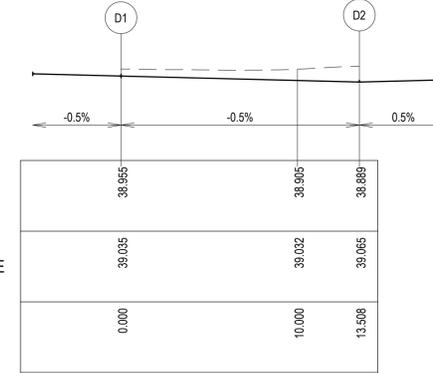
CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
C1-C2	75.92	8.6	11.395	1.819	1.352	2.797	2.493	2.849	38.845

VERTICAL GEOMETRY
DATUM RL38

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE D

ALIGNMENT D

PT NO	EASTING	NORTHING	RL
D1	292064.507	5807312.893	38.955
D2	292064.377	5807325.053	38.987

CURVE NO	I	RAD.	ARC	A	B	X	Y	I	MID POINT RL
D1-D2	89.992	8.6	13.508	2.518	1.864	3.291	2.79	3.377	38.921

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

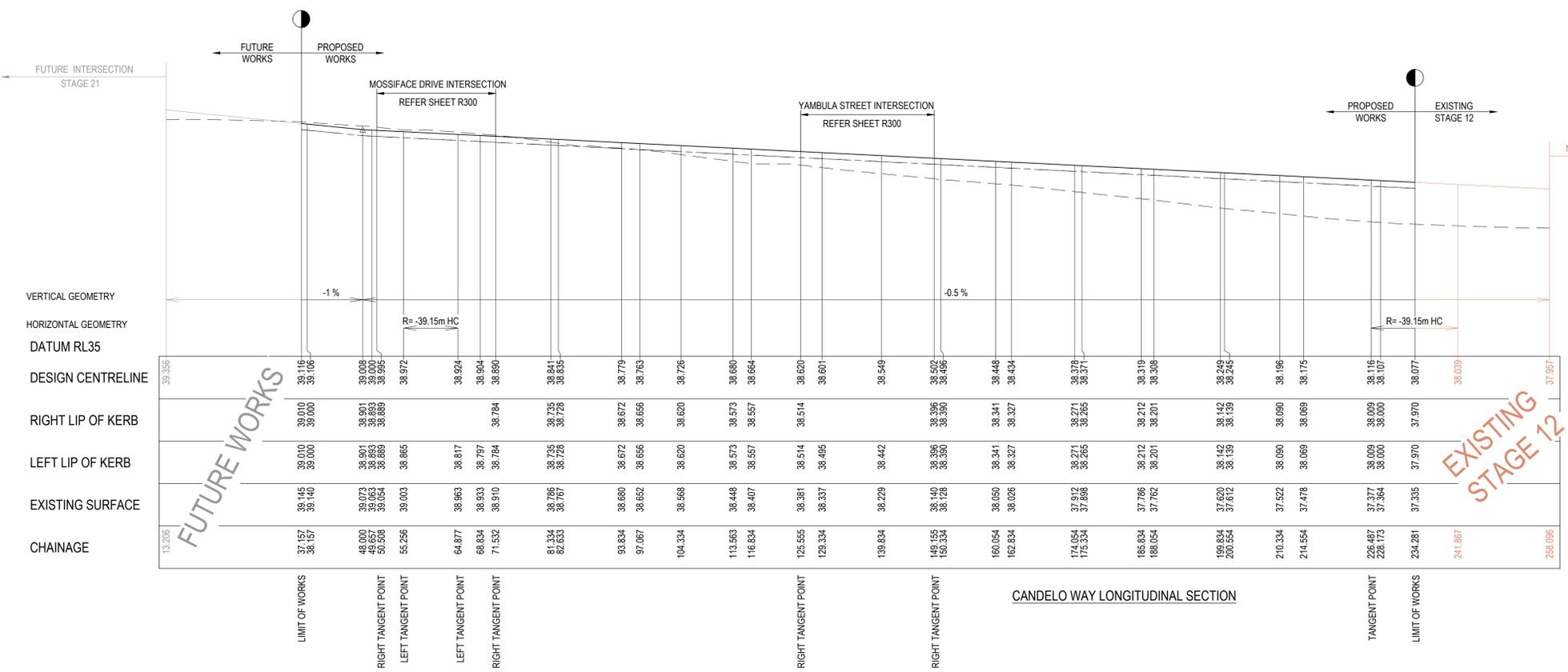
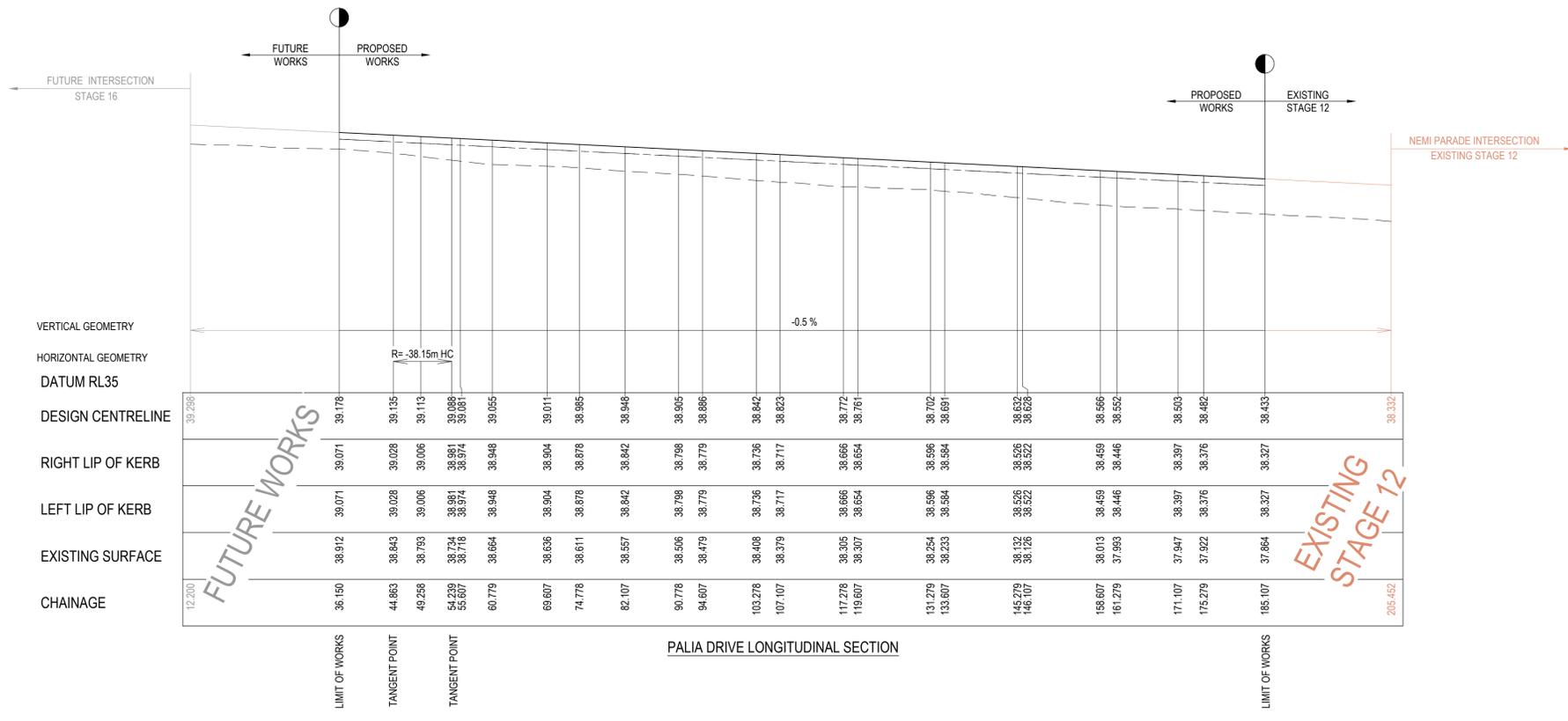
DRAWING TITLE

ALAMORA - STAGE 13
INTERSECTION DETAILS

STATUS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R300	AC



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

DRAWING TITLE

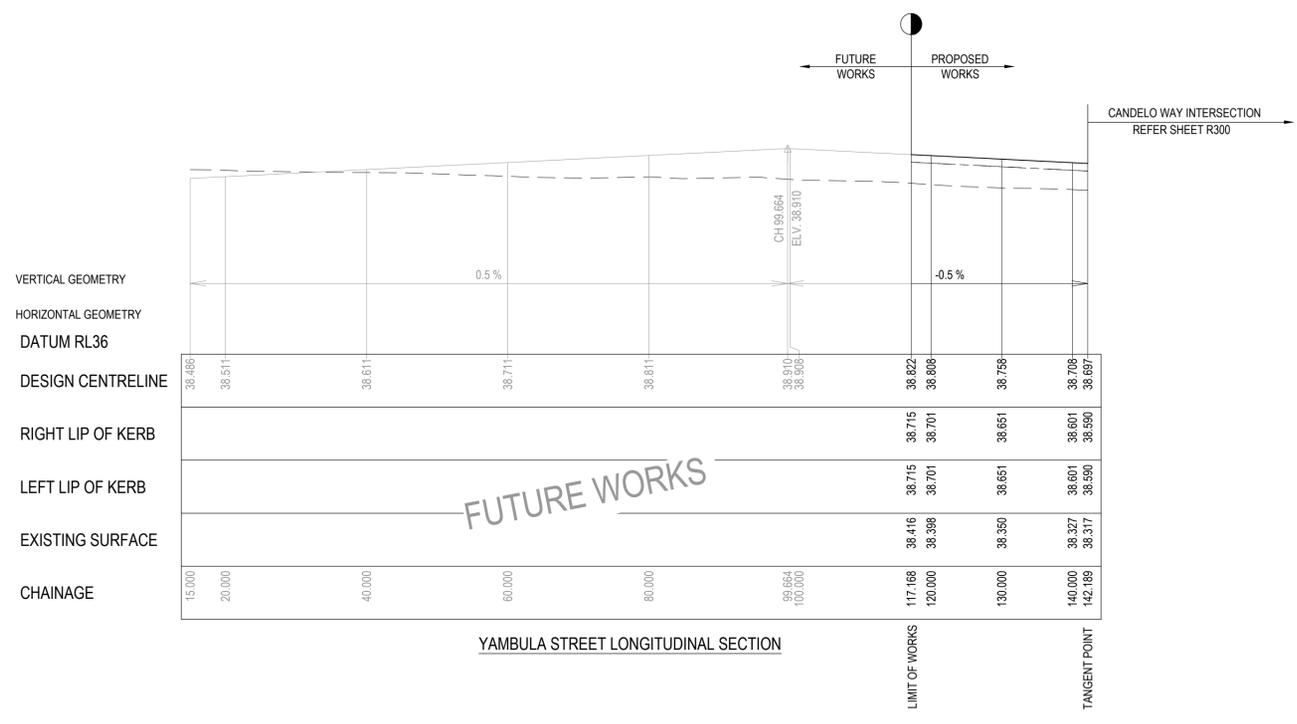
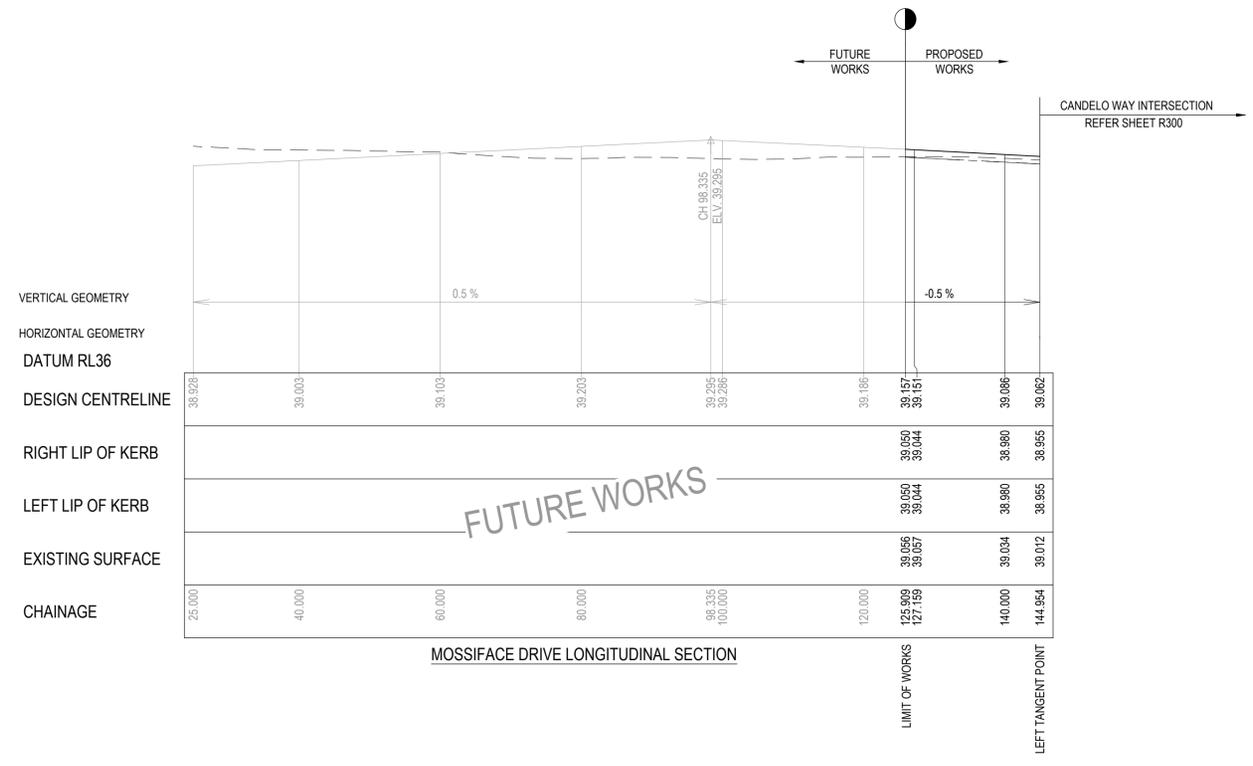
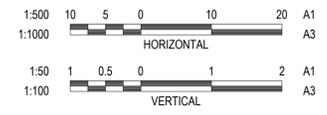
ALAMORA - STAGE 13
ROAD LONGITUDINAL SECTIONS - 1

STATUS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R400	AC

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING DESIGN LINE
	LEFT LIP OF KERB
	RIGHT LIP OF KERB
NOTE: REFER TO GENERAL NOTES REGARDING STRUCTURAL FILL	



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

villawood
properties
Communities Designed for Living

PROJECT

creo
CONSULTANTS
Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

DRAWING TITLE

ALAMORA
Tarnait

DRAWING TITLE

**ALAMORA - STAGE 13
ROAD LONGITUDINAL SECTIONS - 2**

STATUS

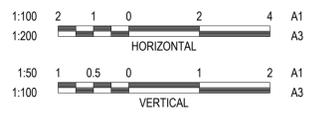
AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R401	AC

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

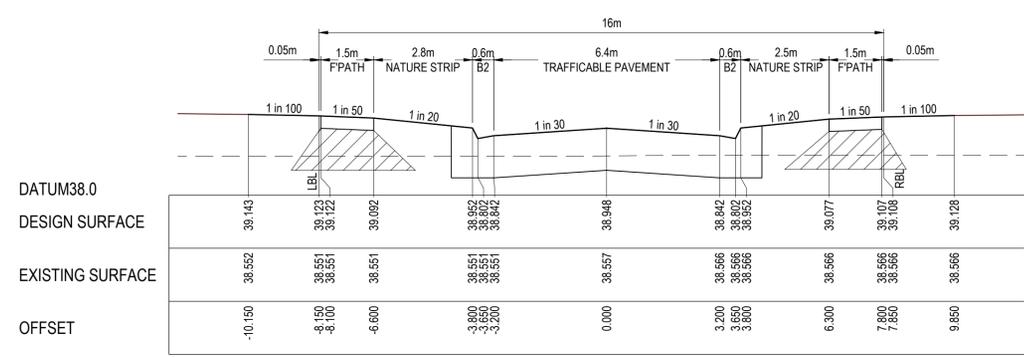
LEGEND

	EXISTING SURFACE
	DESIGN LINE
	STRUCTURAL FILL

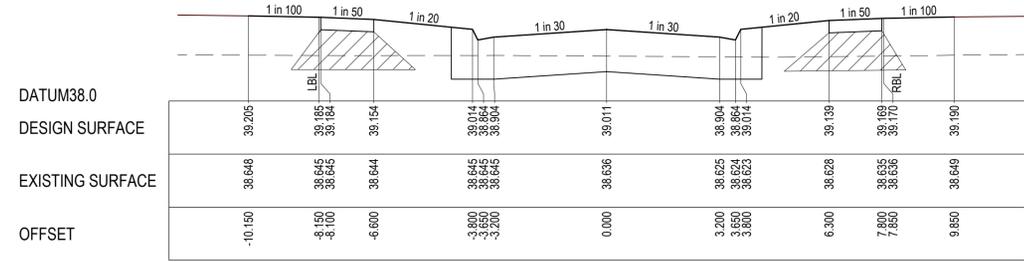


NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

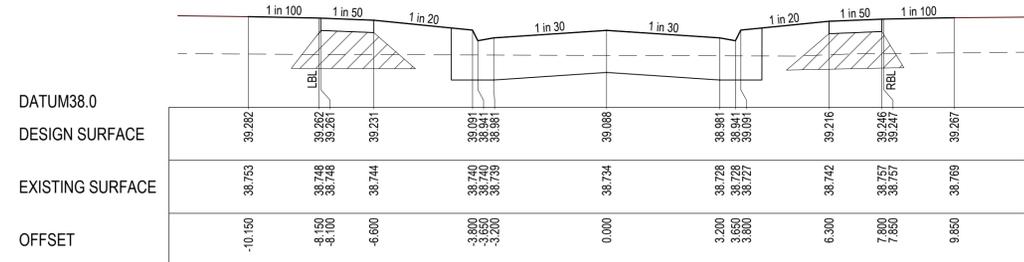
NOTE:
 SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.



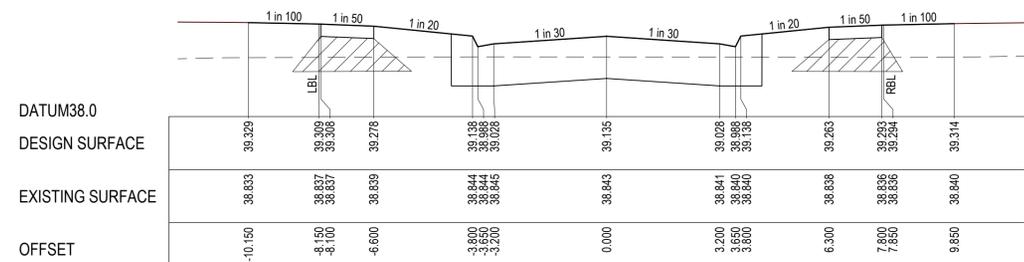
CH 82.107



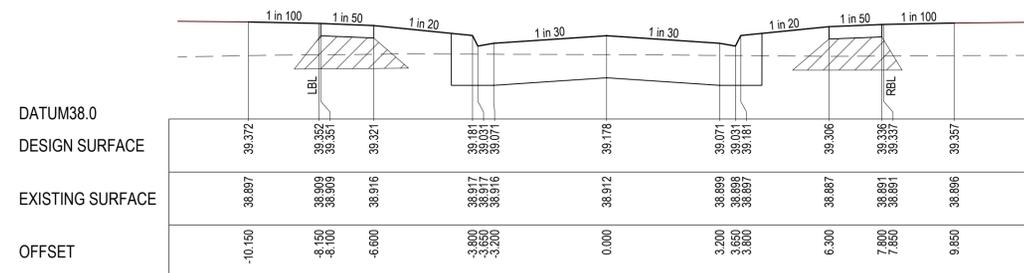
CH 69.607



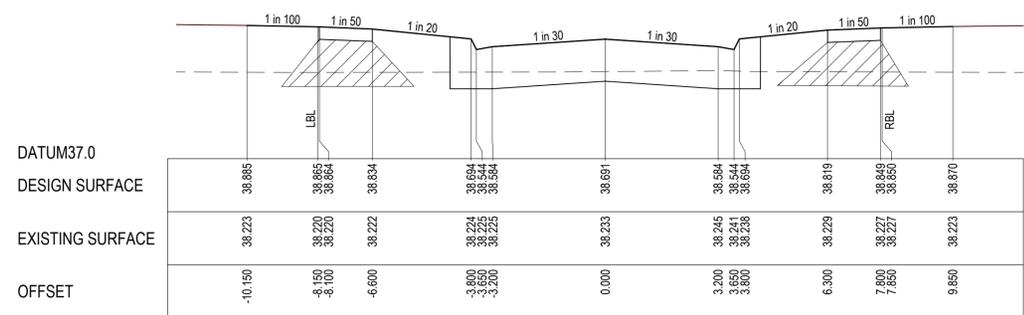
CH 54.239 (TANGENT POINT)



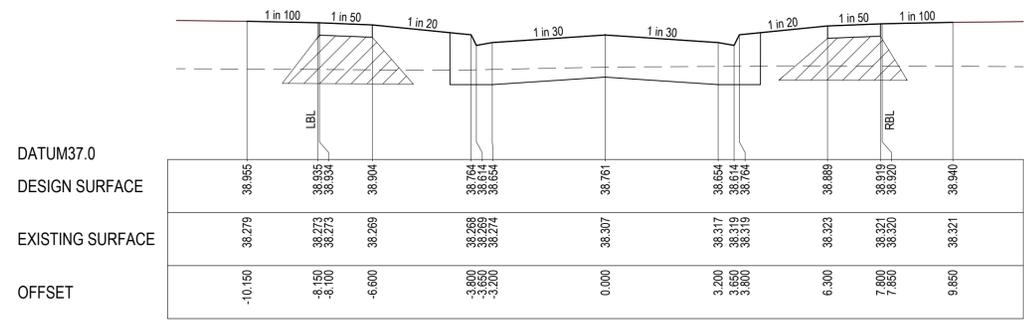
CH 44.863 (TANGENT POINT)



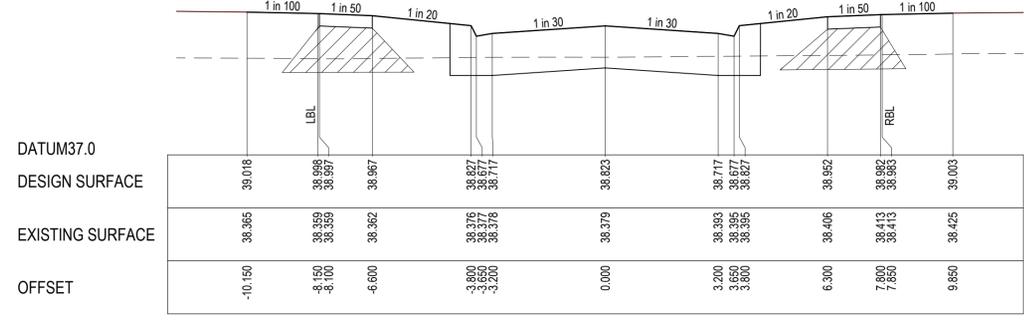
CH 36.150 (LIMIT OF WORKS)



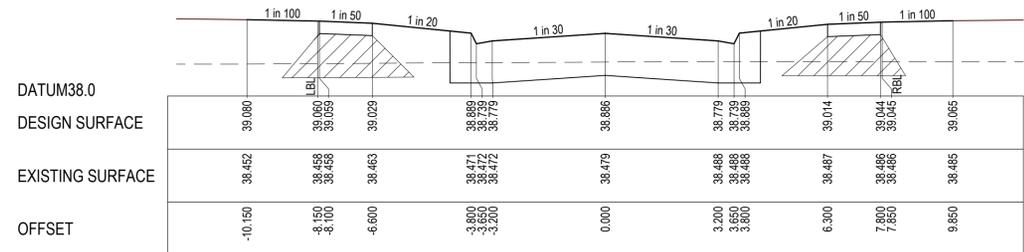
CH 133.607



CH 119.607



CH 107.107



CH 94.607

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloombsbury Street
Geelong, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 13
 ROAD CROSS SECTIONS - 1
 PALIA DRIVE - SHEET 01**

STATUS

AS CONSTRUCTED

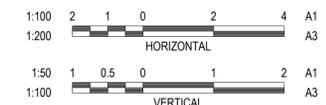
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R500	AC

P:\2020\2022\ALAMORA - TARRANT\2022 - SCHEDULE DRAFTING\CAD\2022\13 - R500 - ROAD CROSS SECTIONS.DWG

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

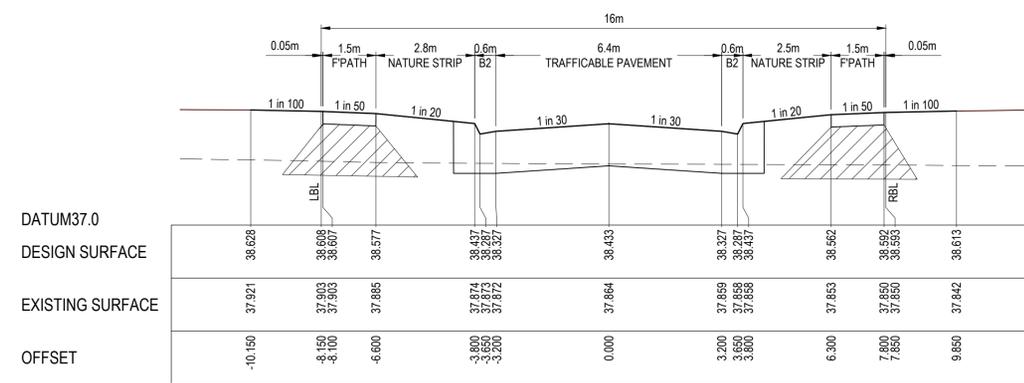
LEGEND

	EXISTING SURFACE
	DESIGN LINE
	STRUCTURAL FILL

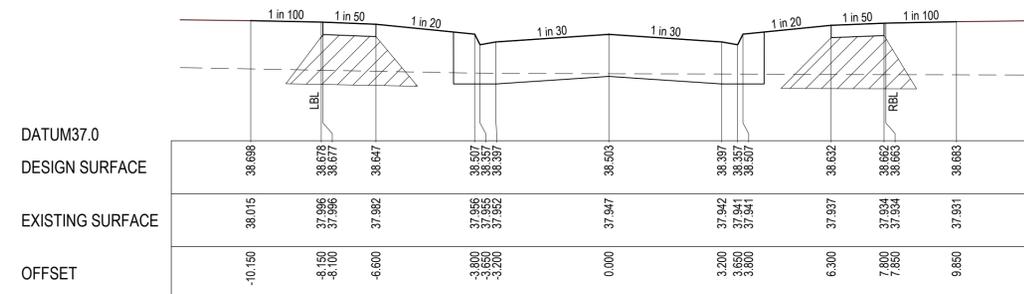


NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

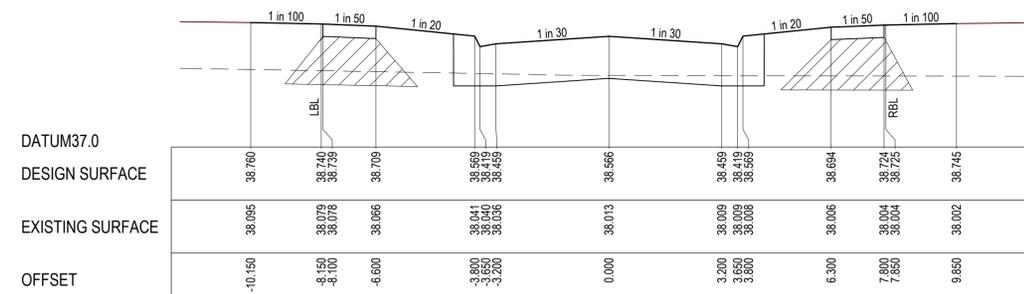
NOTE:
 SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.



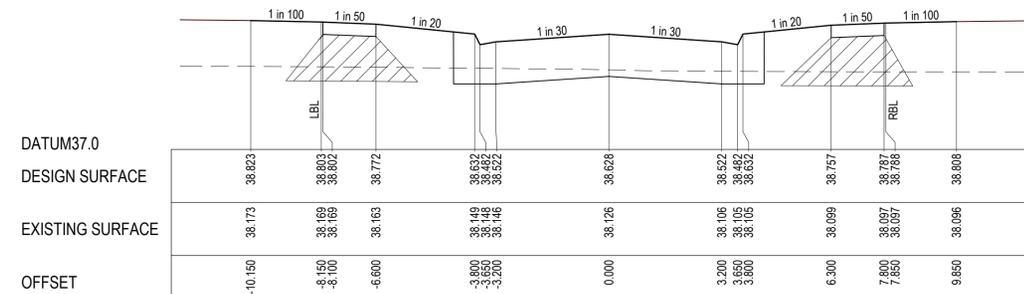
CH 185.107 (LIMIT OF WORKS)



CH 171.107



CH 158.607



CH 146.107

P:\2020\20282 - ALAMORA - TARNET\20282 - SCHEDULE DRAFTING\CAD\20282_01_R500 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloombsbury Street
Geelong, VIC, Australia 3220

DRAWING TITLE

ALAMORA - STAGE 13
ROAD CROSS SECTIONS - 2
PALIA DRIVE - SHEET 02

STATUS

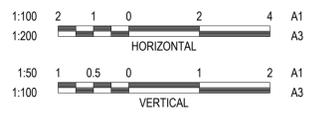
AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R501	AC

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

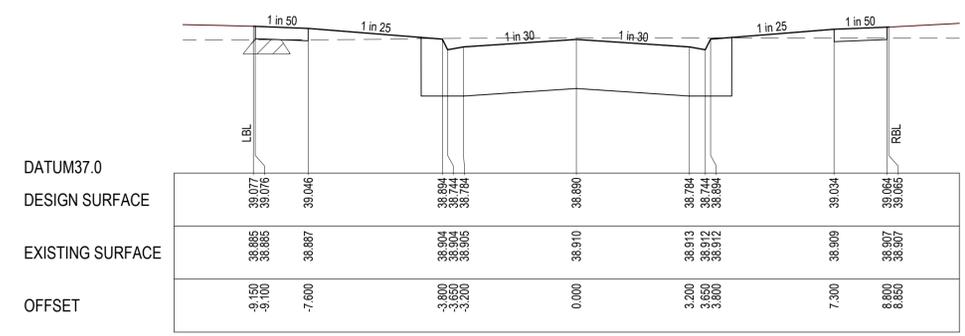
LEGEND

	EXISTING SURFACE
	DESIGN LINE
	STRUCTURAL FILL

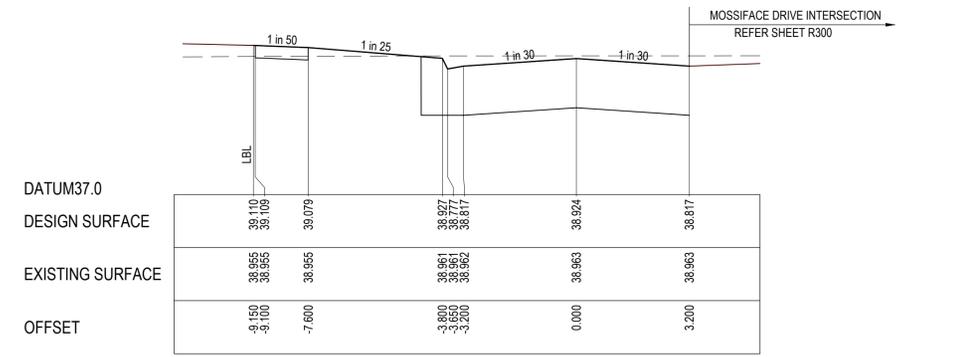


NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

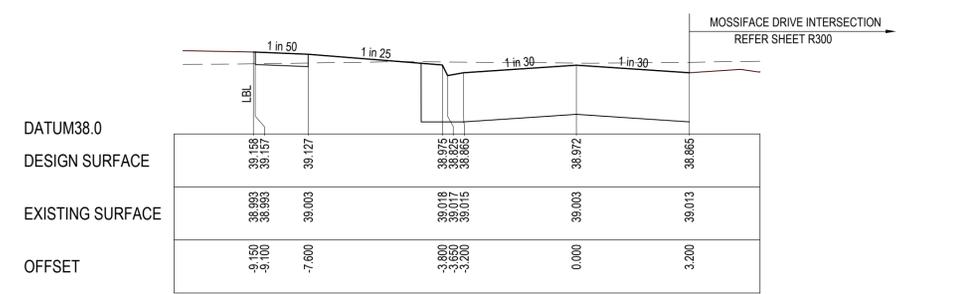
NOTE:
 SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.



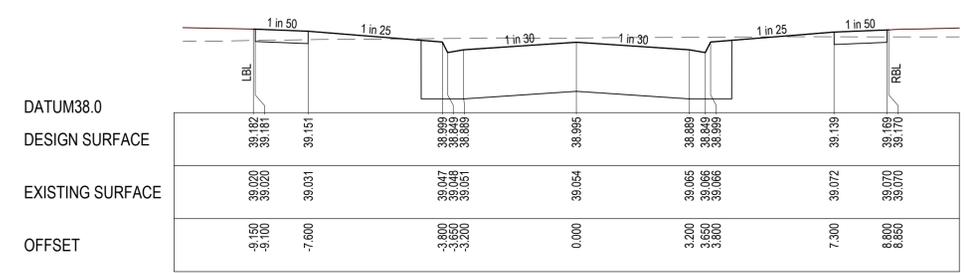
CH 71.532 (RIGHT TANGENT POINT)



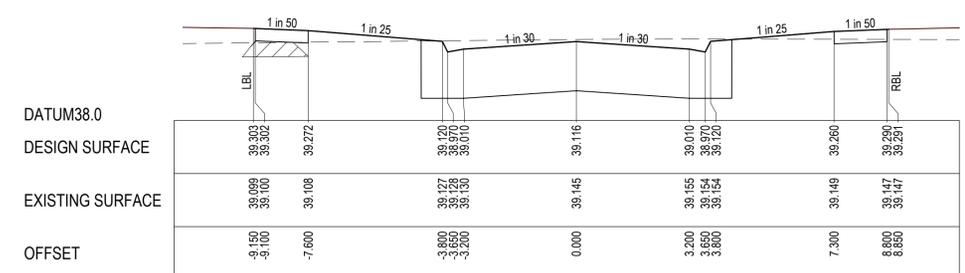
CH 64.877 (LEFT TANGENT POINT)



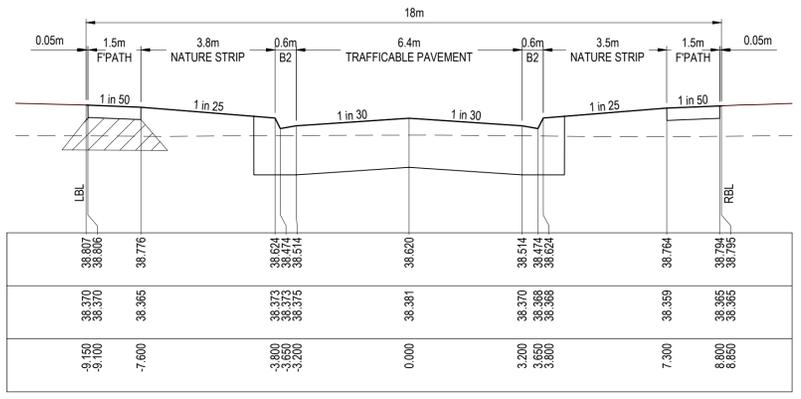
CH 55.256 (LEFT TANGENT POINT)



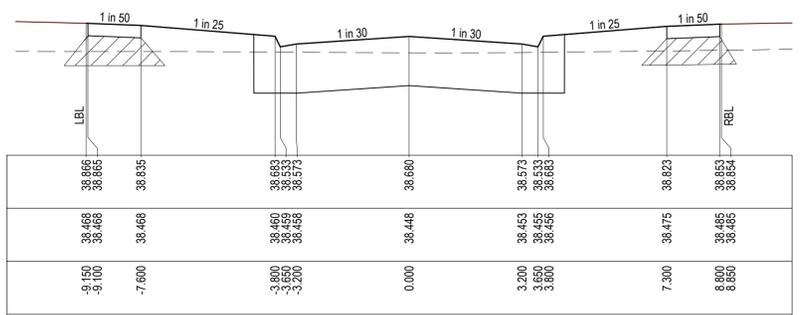
CH 50.508 (RIGHT TANGENT POINT)



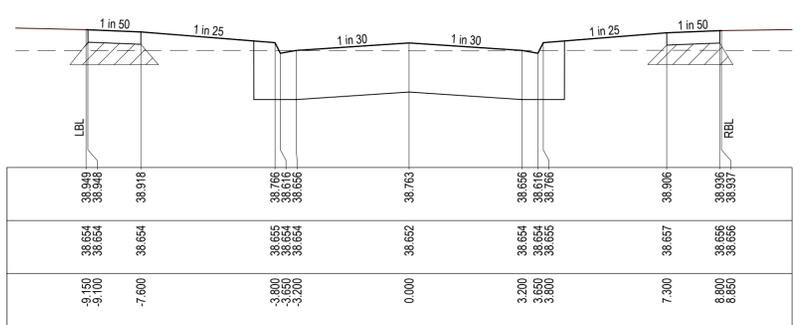
CH 37.157 (LIMIT OF WORKS)



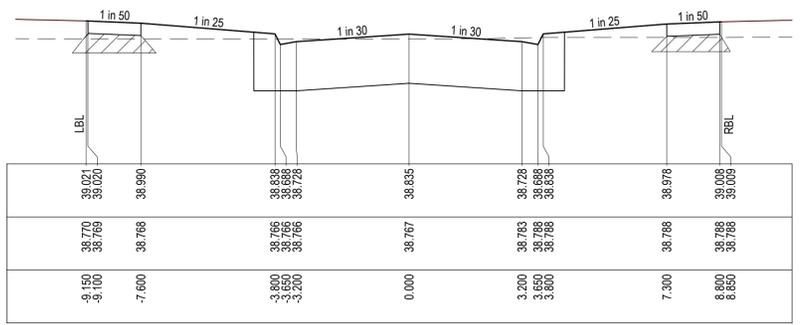
CH 125.555 (RIGHT TANGENT POINT)



CH 113.563



CH 97.067



CH 82.633

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloombsbury Street
Geelong, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 13
 ROAD CROSS SECTIONS - 3
 CANDELO WAY - SHEET 01**

STATUS

AS CONSTRUCTED

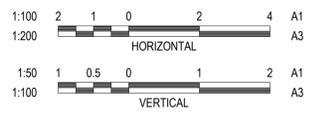
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R502	AC

P:\2020\2022\ALAMORA - STAGE 13\ROAD CROSS SECTIONS\01 - R500 - ROAD CROSS SECTIONS.DWG

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

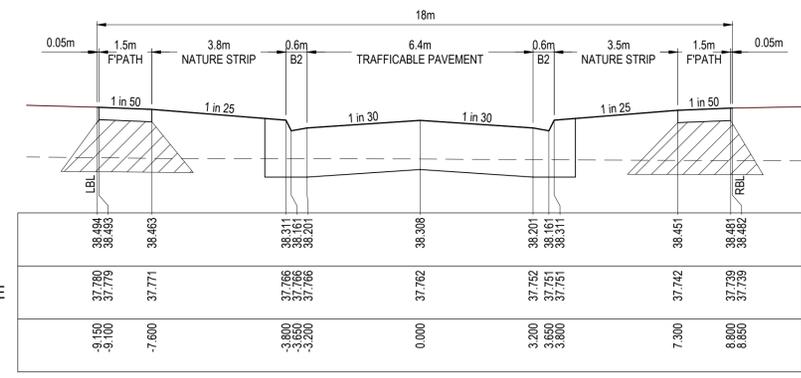
LEGEND

	EXISTING SURFACE
	DESIGN LINE
	STRUCTURAL FILL

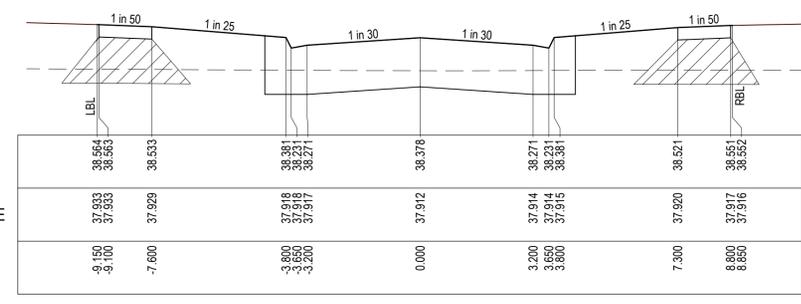


NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

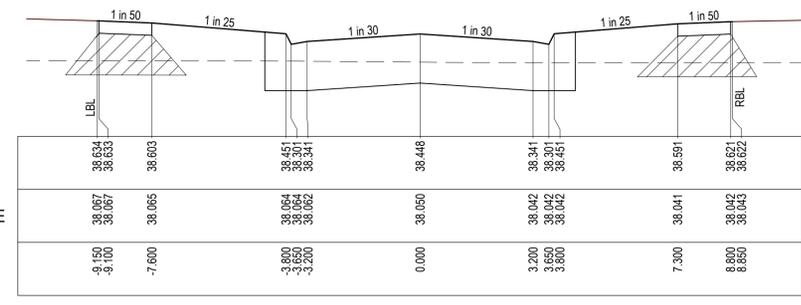
NOTE:
 SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.



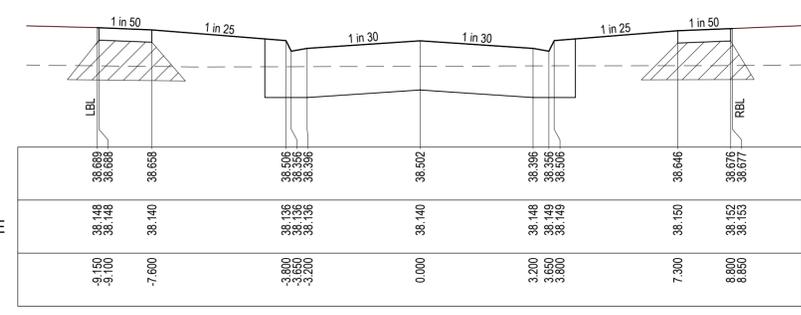
CH 188.054



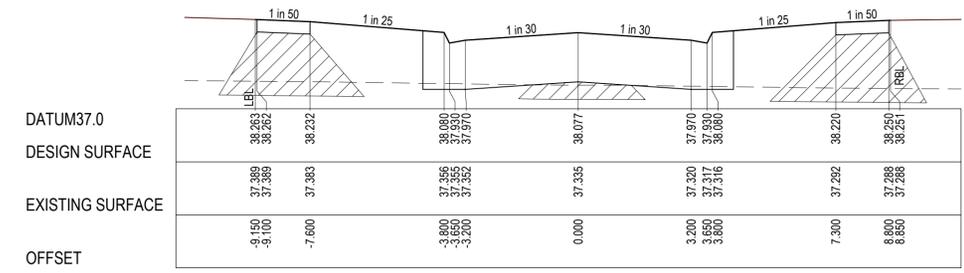
CH 174.054



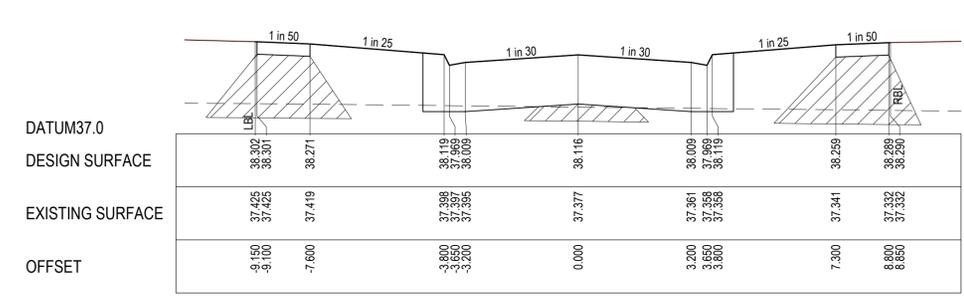
CH 160.054



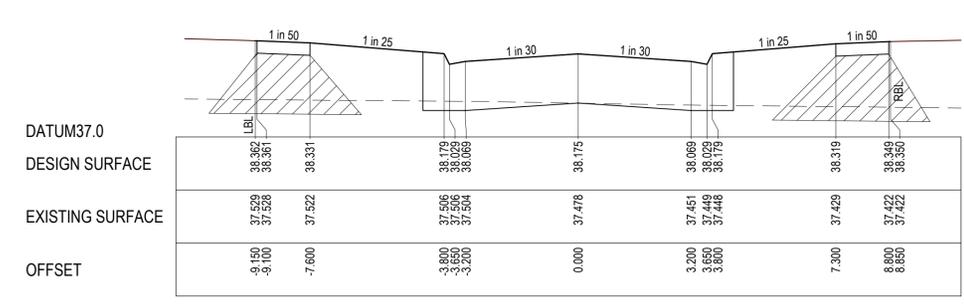
CH 149.155 (RIGHT TANGENT POINT)



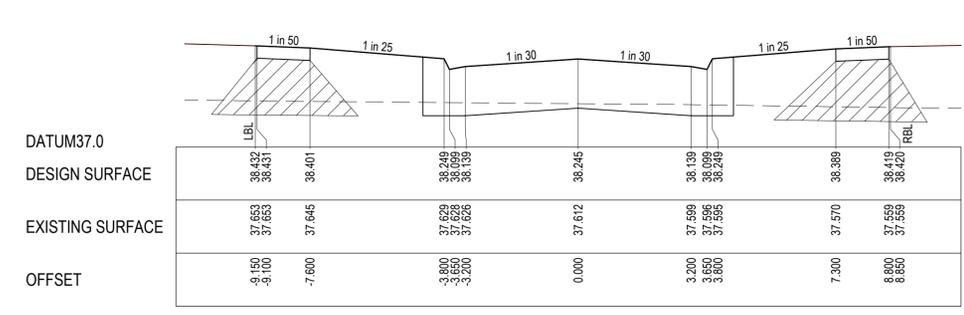
CH 234.281 (LIMIT OF WORKS)



CH 226.487 (TANGENT POINT)



CH 214.554



CH 200.554

P:\2020\20282 - ALAMORA - TARRANT\20282 - SCHEDULE DRAFTING\CAD\20282_01_R500 - ROAD CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

ALAMORA Tarrant

DRAWING TITLE

ALAMORA - STAGE 13
ROAD CROSS SECTIONS - 4
CANDELO WAY - SHEET 02

STATUS

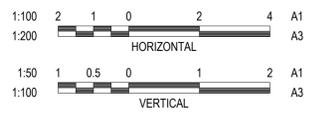
AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R503	AC

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

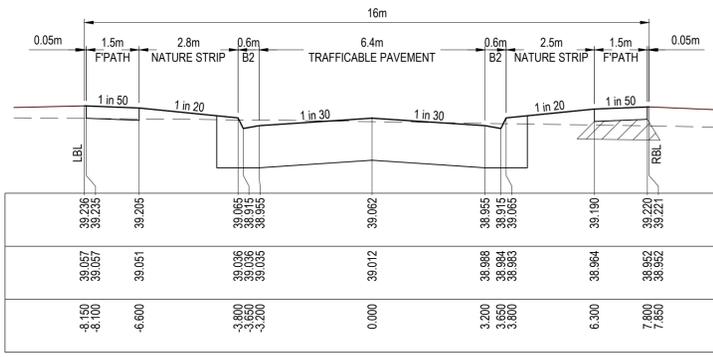
LEGEND

	EXISTING SURFACE
	DESIGN LINE
	STRUCTURAL FILL

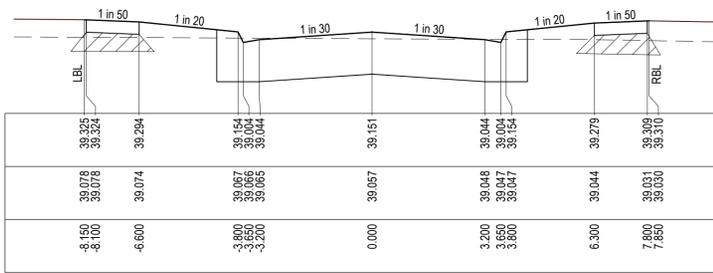


NOTE:
 CROSS SECTIONS LBL & RBL LABELS REFER TO LEFT AND RIGHT TITLE BOUNDARY RESPECTIVELY. READ IN ASCENDING ORDER ALONG THE RELEVANT LONG SECTION CHAINAGES

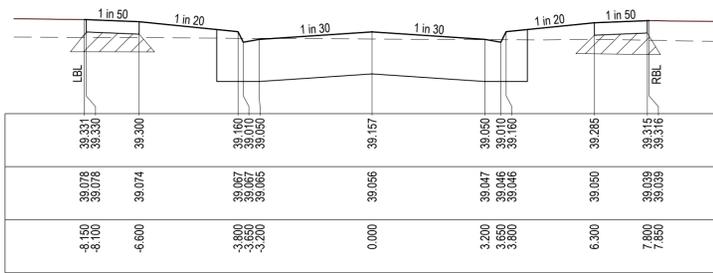
NOTE:
 SELECT STRUCTURAL FILL IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS & REQUIREMENTS IS REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE EXISTING SURFACE.



CH 144.954 (LEFT TANGENT POINT)

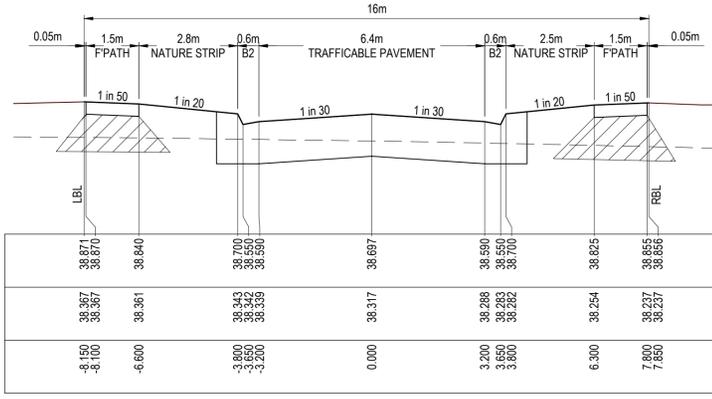


CH 127.159

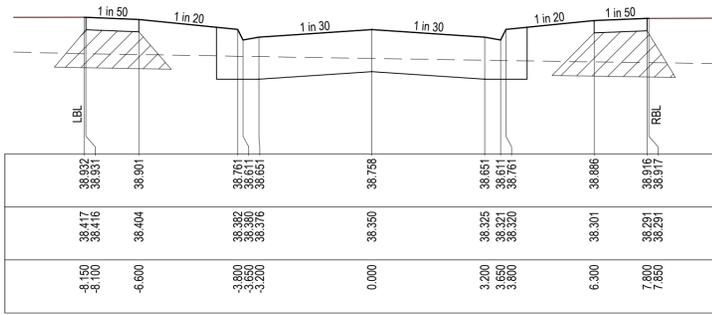


CH 125.909 (LIMIT OF WORKS)

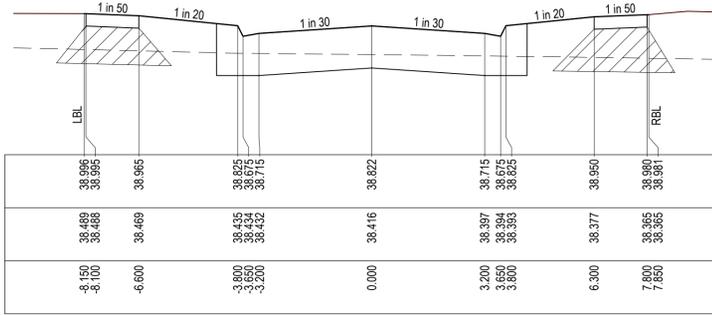
MOSSIFACE DRIVE



CH 142.189 (TANGENT POINT)



CH 130.000



CH 117.168 (LIMIT OF WORKS)

YAMBULA STREET

P:\2020\2022\ALAMORA_TANGENT\2022_DWG\1100_CROSS SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

villawood
 properties
 Communities Designed for Living

creo
 CONSULTANTS
 Suite 1, 2 Bloombsbury Street
 Geelong, VIC, Australia 3220

ALAMORA
 Yarnit

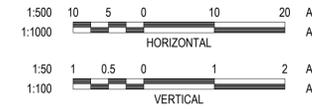
ALAMORA - STAGE 13
ROAD CROSS SECTIONS - 5
MOSSIFACE DRIVE & YAMBULA STREET

AS CONSTRUCTED

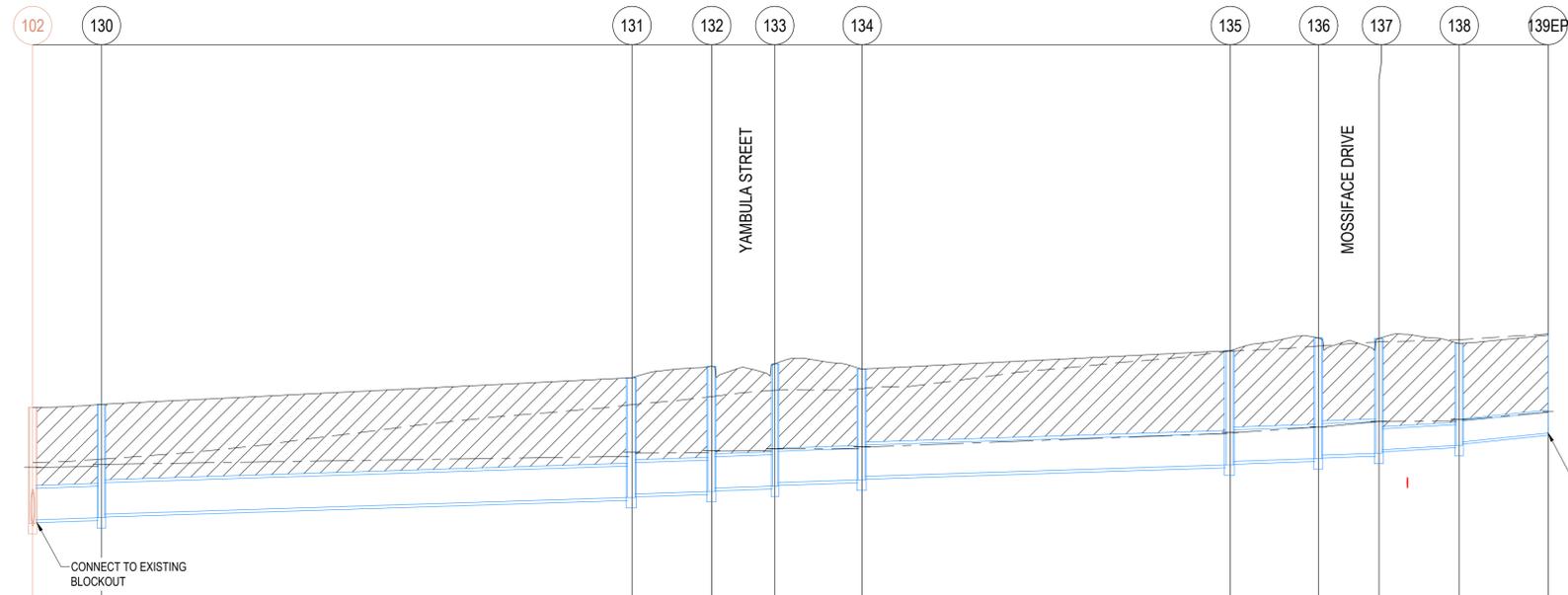
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R504	AC

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- HYDRUALIC GRADE LINE
- CRUSHED ROCK BACKFILL
- PROPOSED SEWER MAIN



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



DESIGN FLOW (m ³ /s)	0.120	0.110	0.075	0.071	0.068	0.054	0.033	0.031	0.028	0.019
CAPACITY (m ³ /s)	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.071	0.097
AT GRADE VELOCITY (m/s)	1	1	1	1	1	1	1	1	1	1.37
PIPE SIZE (mm)	4500	4500	4500	4500	4500	4500	4500	4500	3000	3000
GRADE	1 in 320	1 in 187	1 in 100							
DATUM	31.0									
DEPTH TO INVERT	1.661	1.611	1.718	1.668	1.794	1.744	1.753	1.703	1.598	1.538
HYDRAULIC GRADE LINE	37.202	37.202	37.399	37.448	37.454	37.476	37.481	37.505	37.513	37.533
INVERT LEVEL	36.440	36.490	36.609	36.659	36.695	36.945	36.973	37.023	37.277	37.327
FINISHED SURFACE LEVELS	38.101	38.146	38.526	38.526	38.689	38.257	38.348	38.372	38.915	38.907
EXISTING SURFACE LEVEL	37.311	37.359	38.142	38.142	38.257	38.348	38.372	38.372	38.907	38.981
CHAINAGE (Reach Length)	0.000	9.859	85.991	(11.451)	97.442	106.473	(12.527)	119.000	171.827	(12.679)

P:\2020\20282 - ALAMORA - TARRANT\2022 - DCH\12 - DRAFTING\CAD\20282_13 - R600 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

DRAWING TITLE

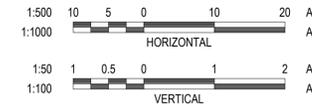
ALAMORA - STAGE 13
DRAINAGE LONGITUDINAL SECTIONS - 1

STATUS

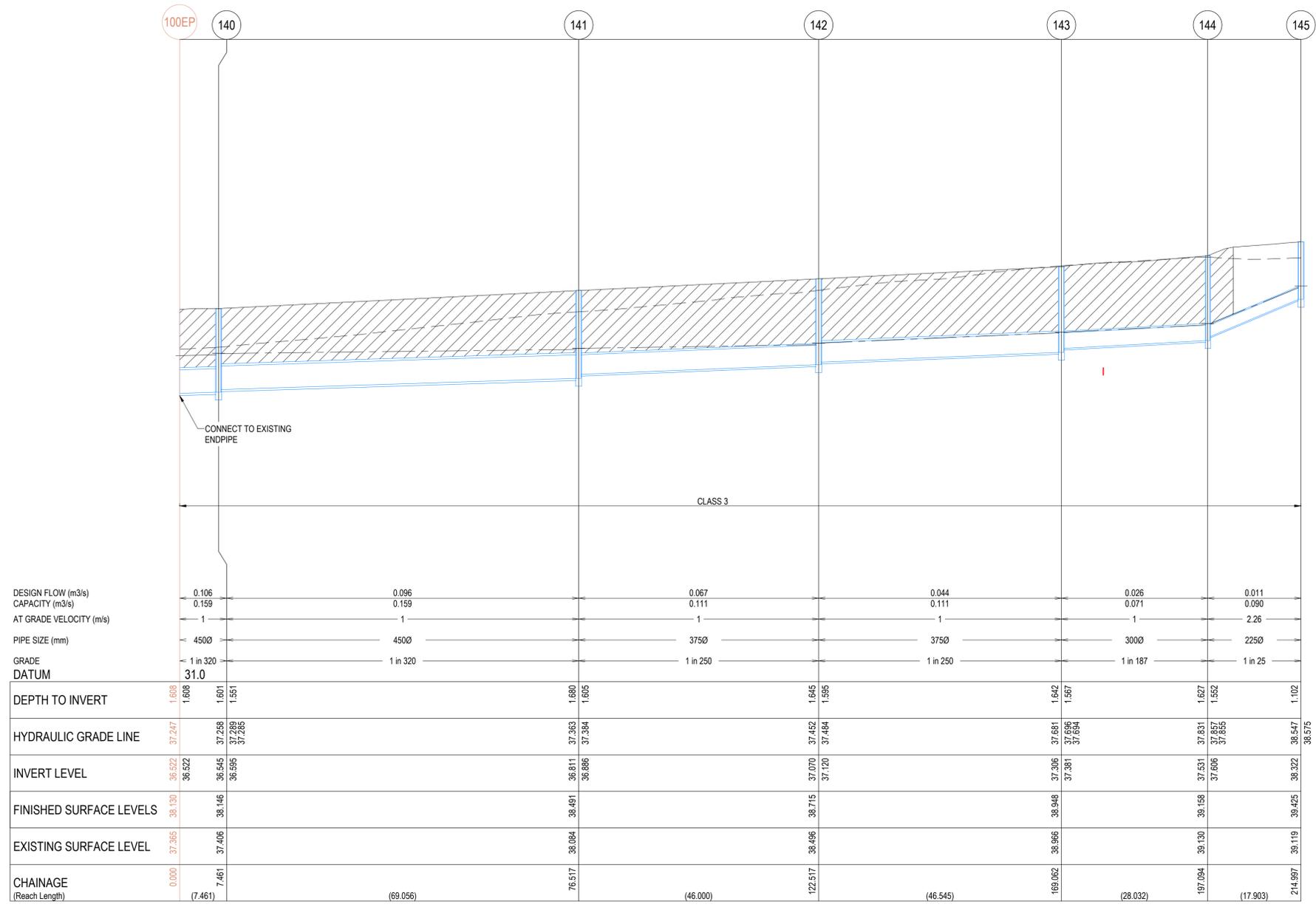
AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R600	AC

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	HYDRUALIC GRADE LINE
	CRUSHED ROCK BACKFILL
	PROPOSED SEWER MAIN



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:\2020\20282 - ALAMORA - TARRANT\20282 - CIVIL\2 - DRAFTING\CAD\20282_01_R600 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

creo CONSULTANTS

Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

PROJECT

DRAWING TITLE

**ALAMORA - STAGE 13
DRAINAGE LONGITUDINAL SECTIONS - 2**

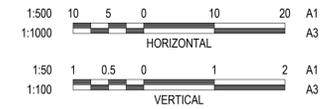
STATUS

AS CONSTRUCTED

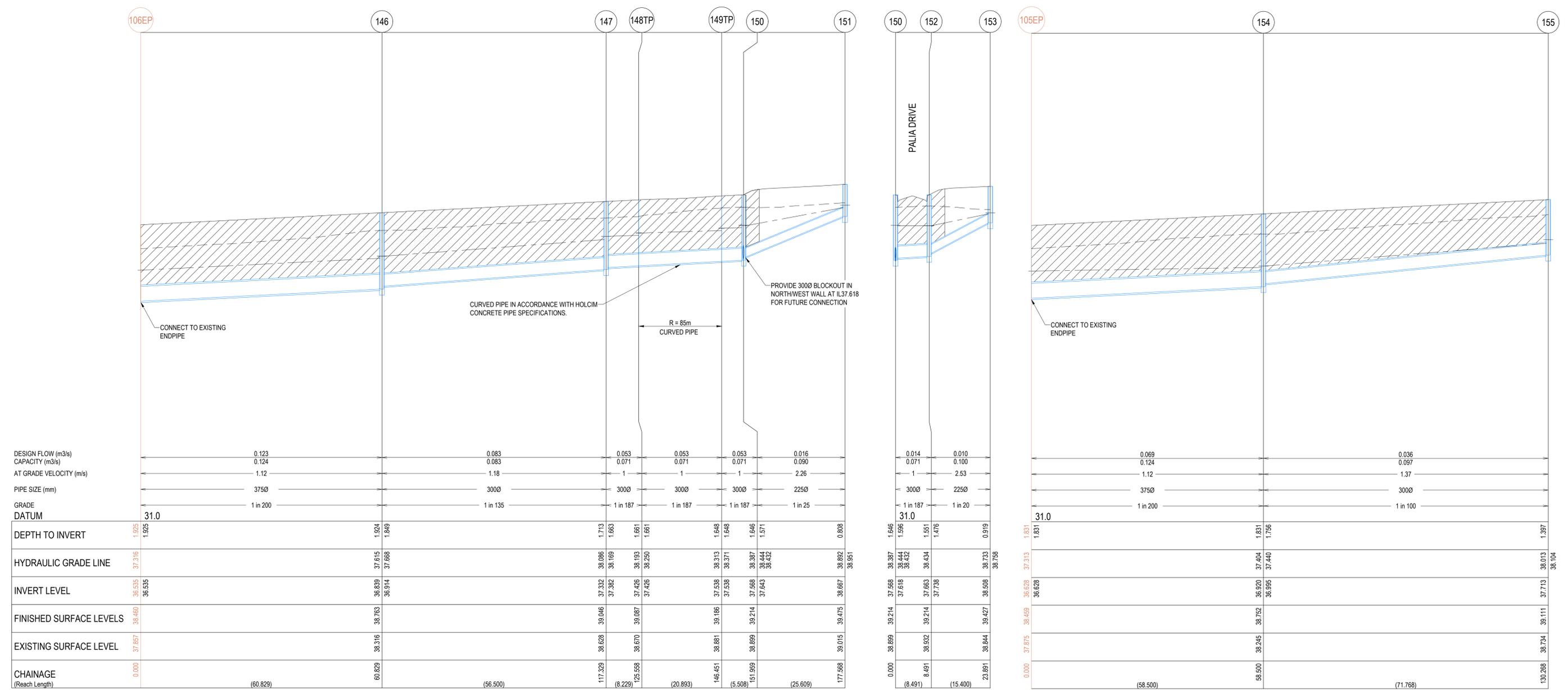
SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R601	AC

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL
- PROPOSED SEWER MAIN



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



DESIGN FLOW (m ³ /s)	CAPACITY (m ³ /s)	AT GRADE VELOCITY (m/s)	PIPE SIZE (mm)	GRADE	DATUM
0.123	0.124	1.12	3750	1 in 200	31.0
0.083	0.083	1.18	3000	1 in 135	
0.053	0.071	1	3000	1 in 187	
0.053	0.071	1	3000	1 in 187	
0.053	0.071	1	3000	1 in 187	
0.016	0.090	2.26	2250	1 in 25	
0.014	0.071	1	3000	1 in 187	
0.010	0.100	2.53	2250	1 in 20	
0.069	0.124	1.12	3750	1 in 200	
0.036	0.097	1.37	3000	1 in 100	

DEPTH TO INVERT	HYDRAULIC GRADE LINE	INVERT LEVEL	FINISHED SURFACE LEVELS	EXISTING SURFACE LEVEL	CHAINAGE (Reach Length)
1.925	37.316	36.535	38.460	37.857	0.000
1.924	37.615	36.839	38.763	38.316	60.829
1.849	37.668	36.914	38.914	38.316	60.829
1.713	38.006	37.332	39.046	38.628	117.329
1.663	38.169	37.382	39.046	38.628	117.329
1.661	38.193	37.426	39.087	38.670	125.558
1.661	38.250	37.426	39.087	38.670	125.558
1.648	38.313	37.538	39.186	38.881	146.451
1.648	38.371	37.538	39.186	38.881	146.451
1.646	38.387	37.568	39.214	38.899	151.589
1.571	38.444	37.643	39.214	38.899	151.589
0.808	38.682	38.667	39.475	39.015	177.568
0.808	38.951	38.667	39.475	39.015	177.568
1.646	38.387	37.568	39.214	38.899	0.000
1.596	38.444	37.618	39.214	38.932	0.000
1.551	38.434	37.663	39.214	38.932	8.491
1.476	37.738	37.738	39.214	38.932	8.491
0.919	38.733	38.508	39.427	38.844	23.891
0.919	38.758	38.508	39.427	38.844	23.891
1.831	37.313	36.628	38.460	37.857	0.000
1.831	37.612	36.628	38.460	37.857	0.000
1.831	37.911	36.920	38.752	38.245	58.500
1.756	37.440	36.995	38.995	38.344	58.500
1.397	38.013	37.713	39.111	38.334	130.268
1.397	38.104	37.713	39.111	38.334	130.268

P:\2020\20282 - ALAMORA - TARNIT\20282 - DRAINAGE LONG SECTIONS.DWG

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

DRAWING TITLE

ALAMORA - STAGE 13
DRAINAGE LONGITUDINAL SECTIONS - 3

STATUS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R602	AC

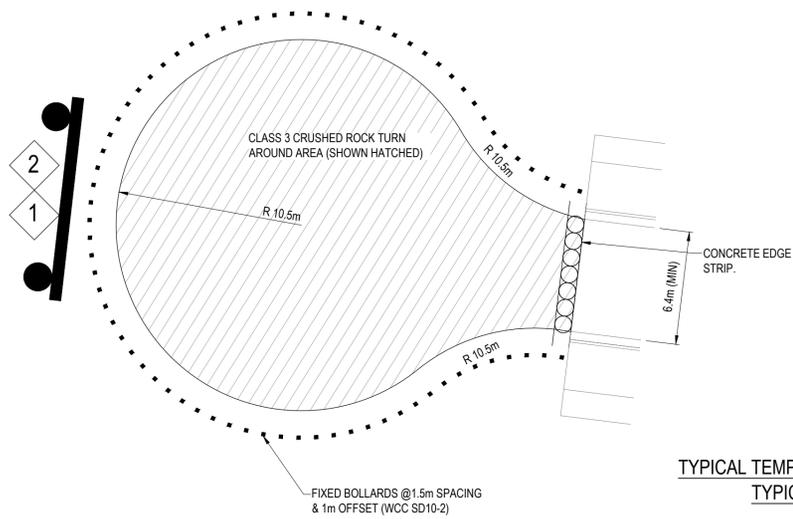
WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
 The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

PIT SCHEDULE											
PIT NAME	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH(m)	STANDARD DRAWING	REMARKS
		WIDTH(mm)	LENGTH(mm)	DIAMETER(mm)	INVERT R.L.(m)	DIAMETER	INVERT R.L.(m)				
102	Ex.GRATED ENTRY PIT	900	900	450	36.490	Ex.450	36.440	38.101	1.661		CONNECT TO EXISTING BLOCKOUT.
130	GRATED ENTRY PIT	900	900	450	36.571	450	36.521	38.146	1.625	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
131	GRATED ENTRY PIT	900	900	450	36.859	450	36.809	38.526	1.718	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
132	GRATED ENTRY PIT	600	900	450	36.945	450	36.895	38.689	1.794	EDCM 601	
133	GRATED ENTRY PIT	600	900	450	37.023	450	36.973	38.726	1.753	EDCM 601	
134	GRATED ENTRY PIT	900	900	450	37.112	450	37.062	38.650	1.588	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
135	GRATED ENTRY PIT	900	900	450	37.327	450	37.277	38.915	1.638	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
136	GRATED ENTRY PIT	900	900	450	37.417	450	37.367	39.098	1.731	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
137	GRATED ENTRY PIT	600	900	300	37.494	450	37.444	39.090	1.647	EDCM 601	
138	GRATED ENTRY PIT	600	900	300	37.605	300	37.555	39.020	1.465	EDCM 601	
139EP	ENDPIPE	-	-	Fut.300	37.733	300	37.733	39.138	1.405	-	CAP & SEAL ENDPIPE FOR FUTURE CONNECTION
100EP	Ex.ENDPIPE	-	-	450	36.522	Ex.450	36.522	38.130	1.608	-	CONNECT TO EXISTING ENDPIPE.
140	GRATED ENTRY PIT	900	900	450	36.595	450	36.545	38.146	1.601	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
141	GRATED ENTRY PIT	900	900	375	36.886	450	36.811	38.491	1.680	EDCM 601 & 607	HAUNCHED TO 600x900 COVER.
142	GRATED ENTRY PIT	600	900	375	37.120	375	37.070	38.715	1.645	EDCM 601	
143	GRATED ENTRY PIT	600	900	300	37.381	375	37.306	38.948	1.642	EDCM 601	
144	GRATED ENTRY PIT	600	900	225	37.606	300	37.531	39.158	1.627	EDCM 601	PROVIDE TEMPORARY COVERS UNTIL FUTURE WORKS COMMENCE.
145	JUNCTION PIT	600	900			225	38.322	39.425	1.102	EDCM 605	
106EP	Ex.ENDPIPE	-	-	375	36.535	Ex.375	36.535	38.460	1.925	-	CONNECT TO EXISTING ENDPIPE.
146	GRATED ENTRY PIT	600	900	300	36.914	375	36.839	38.763	1.924	EDCM 601	
147	GRATED ENTRY PIT	600	900	300	37.382	300	37.332	39.046	1.713	EDCM 601	
148TP	TANGENT POINT	-	-	300	37.426	300	37.426	39.087	1.661	-	CURVED PIPE IN ACCORDANCE WITH HOLCIM CONCRETE PIPE SPECIFICATIONS (R=85m).
149TP	TANGENT POINT	-	-	300	37.538	300	37.538	39.186	1.648	-	CURVED PIPE IN ACCORDANCE WITH HOLCIM CONCRETE PIPE SPECIFICATIONS (R=85m).
150	GRATED ENTRY PIT	600	900	225	37.643	300	37.568	39.214	1.646	EDCM 601	PROVIDE 300Ø BLOCKOUT IN NORTH/WEST WALL AT IL37.618 FOR FUTURE CONNECTION. PROVIDE TEMPORARY COVERS UNTIL FUTURE WORKS COMMENCE.
				300	37.618						
				Fut.300	37.618						
151	JUNCTION PIT	600	900			225	38.667	39.475	0.808	EDCM 605	
152	GRATED ENTRY PIT	600	900	225	37.738	300	37.663	39.214	1.551	EDCM 601	PROVIDE TEMPORARY COVERS UNTIL FUTURE WORKS COMMENCE.
153	JUNCTION PIT	600	900			225	38.508	39.427	0.919	EDCM 605	
105EP	Ex.ENDPIPE	-	-	375	36.628	Ex.375	36.628	38.459	1.831	-	CONNECT TO EXISTING ENDPIPE.
154	GRATED ENTRY PIT	600	900	300	36.995	375	36.920	38.752	1.831	EDCM 601	
155	GRATED ENTRY PIT	600	900			300	37.713	39.111	1.397	EDCM 601	

1) ALL PIT COVERS TO BE PROVIDED IN ACCORDANCE WITH EDCM 605 - PIT COVER SCHEDULE.

P:\2020\20282 - ALAMORA - STAGE 13\DRAWING\20282_13_R600 - DRAINAGE LONG SECTIONS.DWG

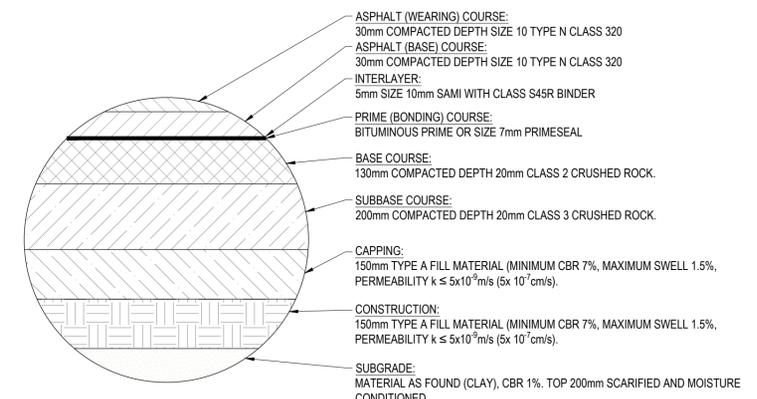
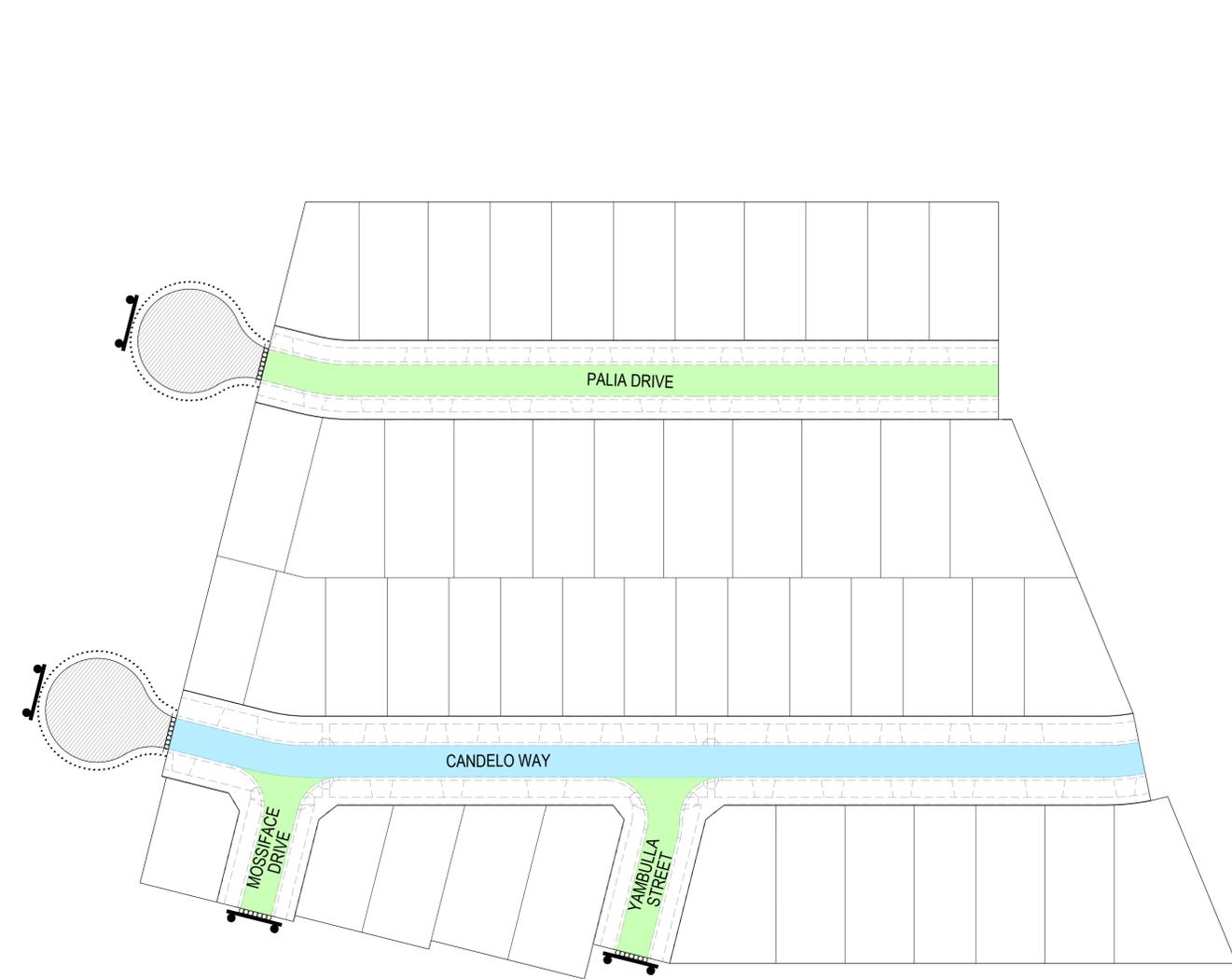
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
								ALAMORA - STAGE 13 DRAINAGE PIT SCHEDULE	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.					PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.	Suite 1, 2 Bloomsbury Street Geelong, VIC, Australia 3220				M.TROUNCE	M.TROUNCE	JANUARY 2023
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.					PROJECT No.	DRAWING No.	REVISION
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.					200282.13	R603	AC



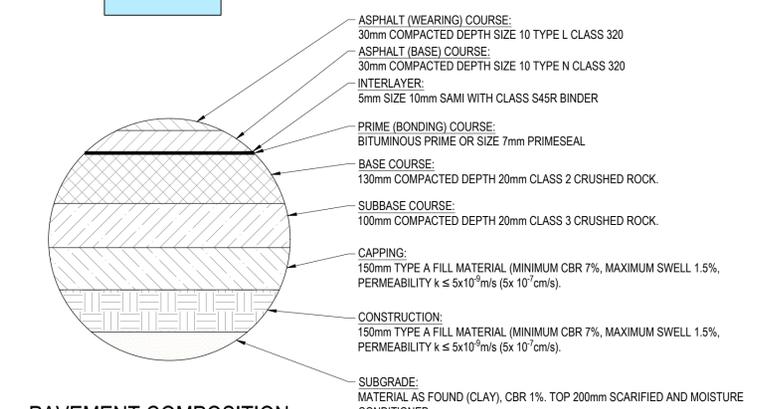
SIGN SCHEDULE

SIGN	REF
	1
ROAD CLOSED	2
	T2-4A

TYPICAL TEMPORARY TURN AREA
TYPICAL DETAIL
NTS



NOTE
PAVEMENT LAYERS ARE TO BE CONSTRUCTED AND COMPACTED IN ACCORDANCE WITH WYNDHAM CITY COUNCIL SPECIFICATIONS AND REQUIREMENTS.



PAVEMENT DESIGNS
ALL PAVEMENT DESIGNS HAVE BEEN PROVIDED BY TONKIN TAYLOR. CREO 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. THIS DOCUMENT SHOULD BE REVIEWED BY THE CONTRACTOR TO ENSURE DESIGN HAS BEEN INTERPRETED CORRECTLY. A COPY OF THIS DOCUMENT WILL BE MADE AVAILABLE UPON REQUEST.

WARNING
BWARE 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

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

villawood properties
Communities Designed for Living

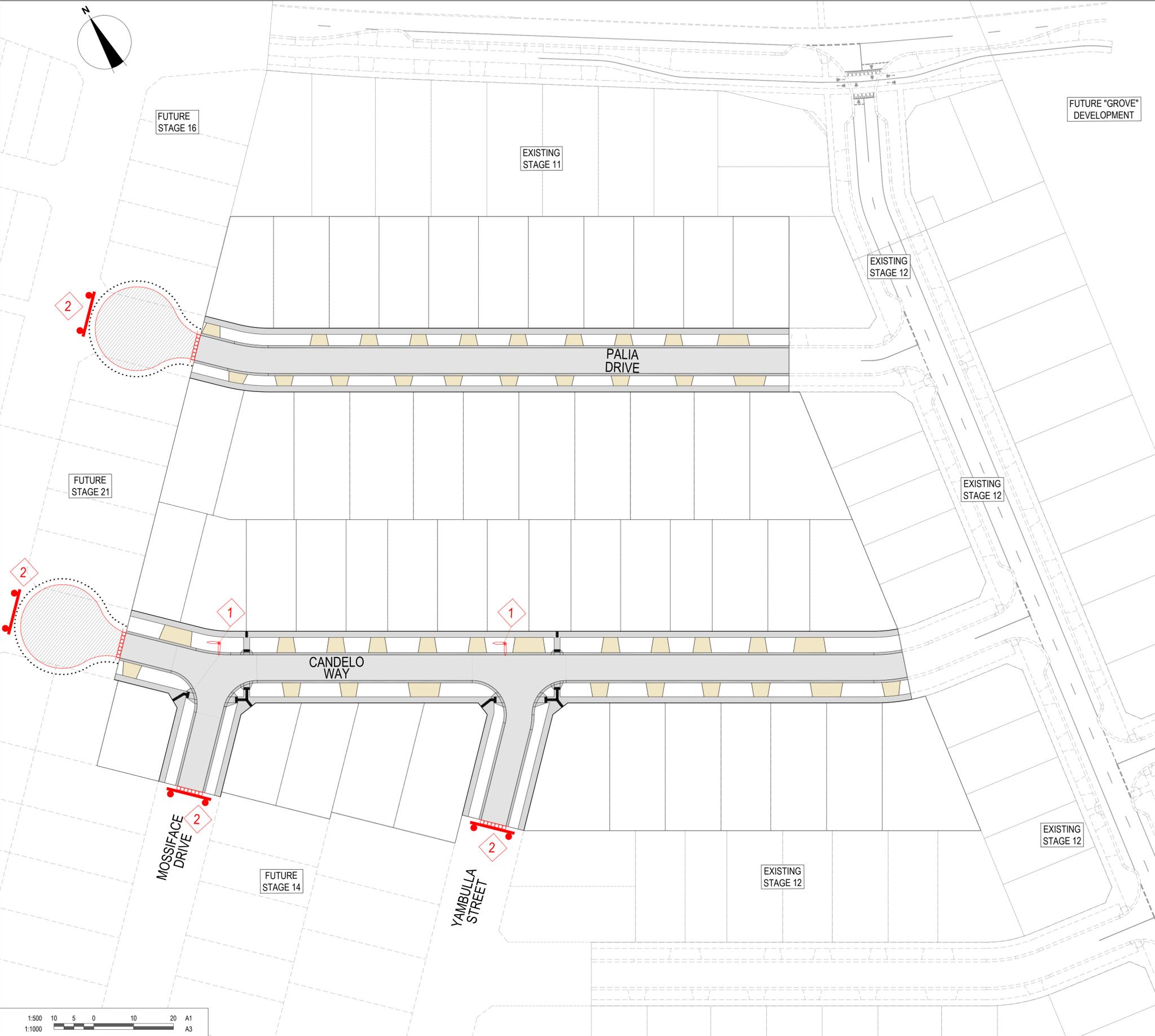
creo CONSULTANTS
Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

ALAMORA
Tarnait

ALAMORA - STAGE 13
TYPICAL DETAILS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R700	AC



STREET SIGN SCHEDULE	
YAMBULLA ST	1No.
MOSSIFACE DR	1No.
CANDELO WAY	2No.

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

1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
2. LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
3. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
4. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.
5. HIGH FRICTION SURFACE TREATMENT COLOURED EMERALD GREEN MUST BE PROVIDED WITHIN THE BICYCLE LANES MARKED AS GREEN ON THE PLAN. INSTALLATION MUST COMPLY WITH VICROADS STANDARD SECTION 430 FOR HIGH FRICTION SURFACE TREATMENTS TO MANUFACTURER'S SPECIFICATIONS.
6. 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPMS AT MAX 6m SPACIN.
7. RRPMS TO BE IN ACCORDANCE WITH VICROAD TRAFFIC ENGINEERING MANUAL VOL2.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	DESIGNED	APPROVED
AC	05/02/24	AS CONSTRUCTED	A.S.	C.R.	M.T.
0	17/03/23	CONSTRUCTION ISSUE	C.R.	C.R.	M.T.
B	09/02/23	AMENDED TO COUNCIL COMMENTS (08/02/23)	C.R.	C.R.	M.T.
A	23/01/23	ISSUED FOR APPROVAL	C.R.	C.R.	M.T.

CLIENT

Communities Designed for Living

PROJECT

Suite 1, 2 Bloomsbury Street
Geelong, VIC, Australia 3220

DRAWING TITLE

ALAMORA
Tarnait

DRAWING TITLE

**ALAMORA - STAGE 13
SIGNAGE & LINEMARKING PLAN**

STATUS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	M.TROUNCE	JANUARY 2023
PROJECT No.	DRAWING No.	REVISION
200282.13	R800	AC