

# ALAMORA

## STAGE 4A

# 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 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 GIVEN 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 TBM'S 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 MATURE 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 600mm 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 SET OUT 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 ONSITE 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.



### LOCALITY PLAN

MELWAYS REF: 234 D5

### Sheet List Table

Drawing No.	Drawing Title	Revision
R100	COVER SHEET	0
R200	LAYOUT PLAN	0
R201	SERVICES PLAN	0
R202	EARTHWORKS PLAN	0
R400	LONGITUDINAL & CROSS SECTIONS	0
R600	DRAINAGE LONGITUDINAL SECTION & PIT SCHEDULE	0
R700	TYPICAL DETAILS	0
R800	SIGNAGE & LINEMARKING	0
R900	CONCRETE JOINTING PLAN	0

**Planning and Environment Act 1987**  
**Wyndham Planning Scheme**

**Approved Plan As Required**  
**under Condition 41**  
**Permit No WYP10107/17**  
**Date 15/11/2024**

**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](http://www.1100.com.au)

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	14/10/24	ISSUED FOR CONSTRUCTION	SM	AW	MT
B	23/09/24	COUNCIL COMMENTS	SM	AW	MT
A	03/09/24	ISSUED FOR APPROVAL	SM	AW	MT



DRAWING TITLE  
**ALAMORA - STAGE 4A**  
**COVER SHEET**

STATUS  
**ISSUED FOR CONSTRUCTION**

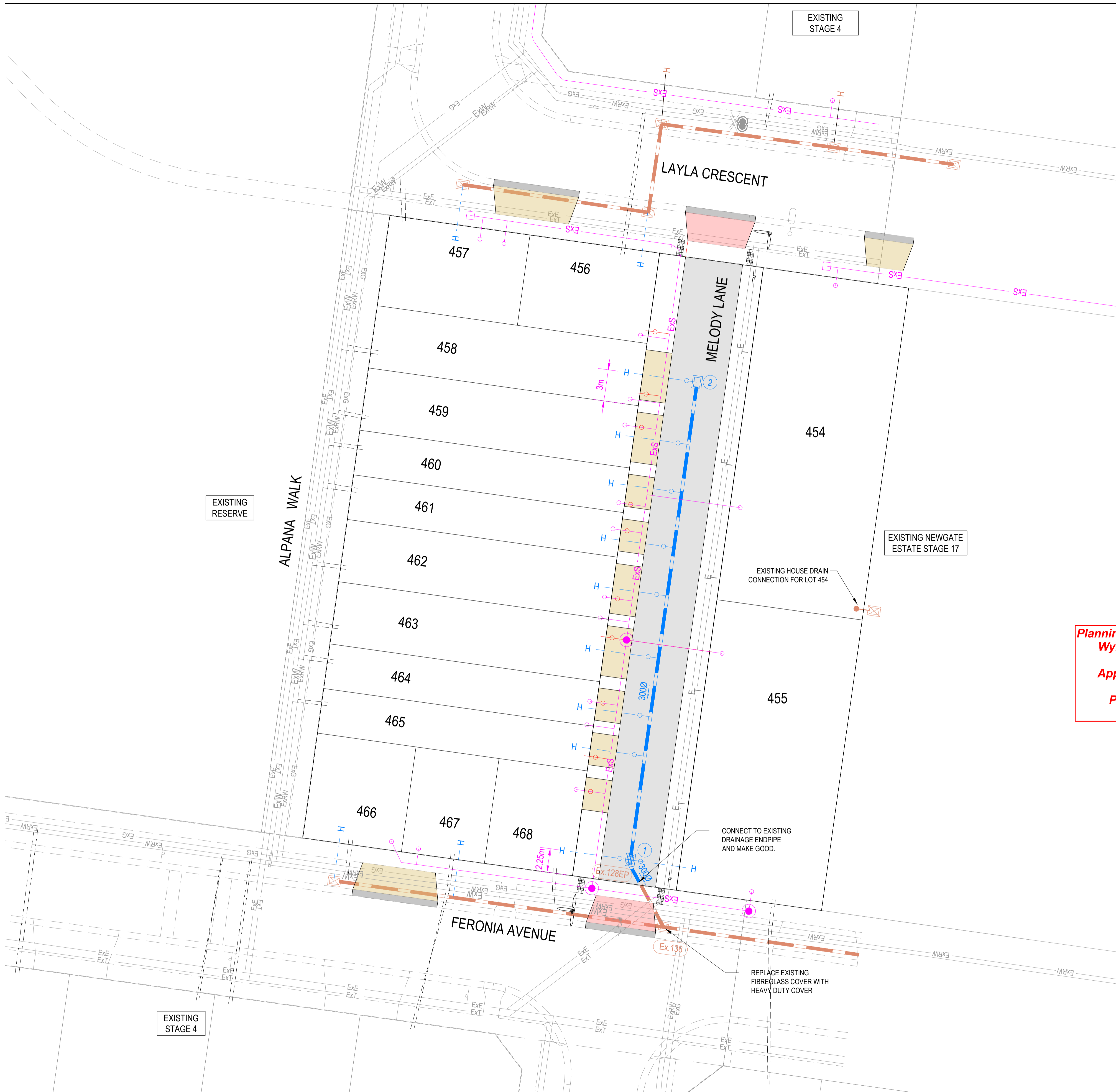
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DESIGNED	PROJECT ENGINEER	
A.SINGH	M.TROUNCE	
DRAWN	PROJECT MANAGER	
A.SINGH	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
<b>200282.4A</b>	<b>R100</b>	<b>0</b>









**LEGEND - SERVICES PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- EXISTING STORMWATER DRAIN
- SEWER & MAINTENANCE STRUCTURES
- EXISTING SEWER
- HOUSE DRAIN
- SERVICE CONDUITS
- SERVICE CONDUITS (EXISTING)
- 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
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH (WITH THICKENING) & HEAVY DUTY VEHICLE CROSSING
- STORMWATER 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
MELODY LANE	-	-	-	-	-	-	E	0.70	E	1.20	-	-

**Planning and Environment Act 1987  
Wyndham Planning Scheme**

**Approved Plan As Required  
under Condition 41  
Permit No WYP10107/17  
Date 15/11/2024**

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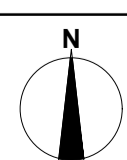
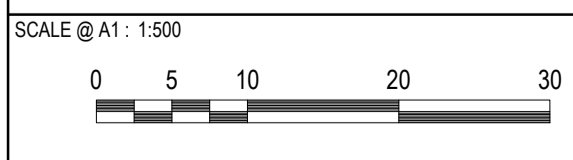
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0	14/10/24	ISSUED FOR CONSTRUCTION	SM	AW	MT
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A	03/09/24	ISSUED FOR APPROVAL	SM	AW	MT



**ALAMORA - STAGE 4A  
SERVICES PLAN**

**ISSUED FOR  
CONSTRUCTION**



DESIGNED A. SINGH	PROJECT ENGINEER M. TROUNCE
DRAWN A. SINGH	PROJECT MANAGER M. TROUNCE
PROJECT No. <b>200282.4A</b>	DRAWING No. <b>R201</b>
REVISION <b>0</b>	



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
TW159.30	TOP OF RETAINING WALL
BW159.30	BOTTOM OF RETAINING WALL
	RETAINING WALL
	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
	0.10m CONTOUR



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DRAWING TITLE  
**ALAMORA - STAGE 4A  
EARTHWORKS PLAN**

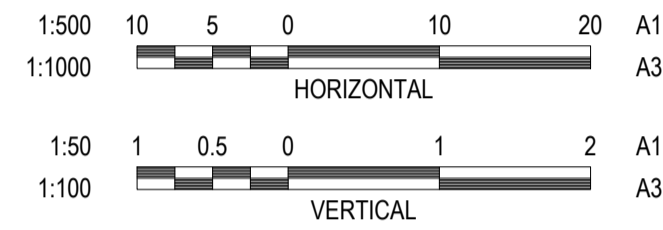
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**ISSUED FOR  
CONSTRUCTION**

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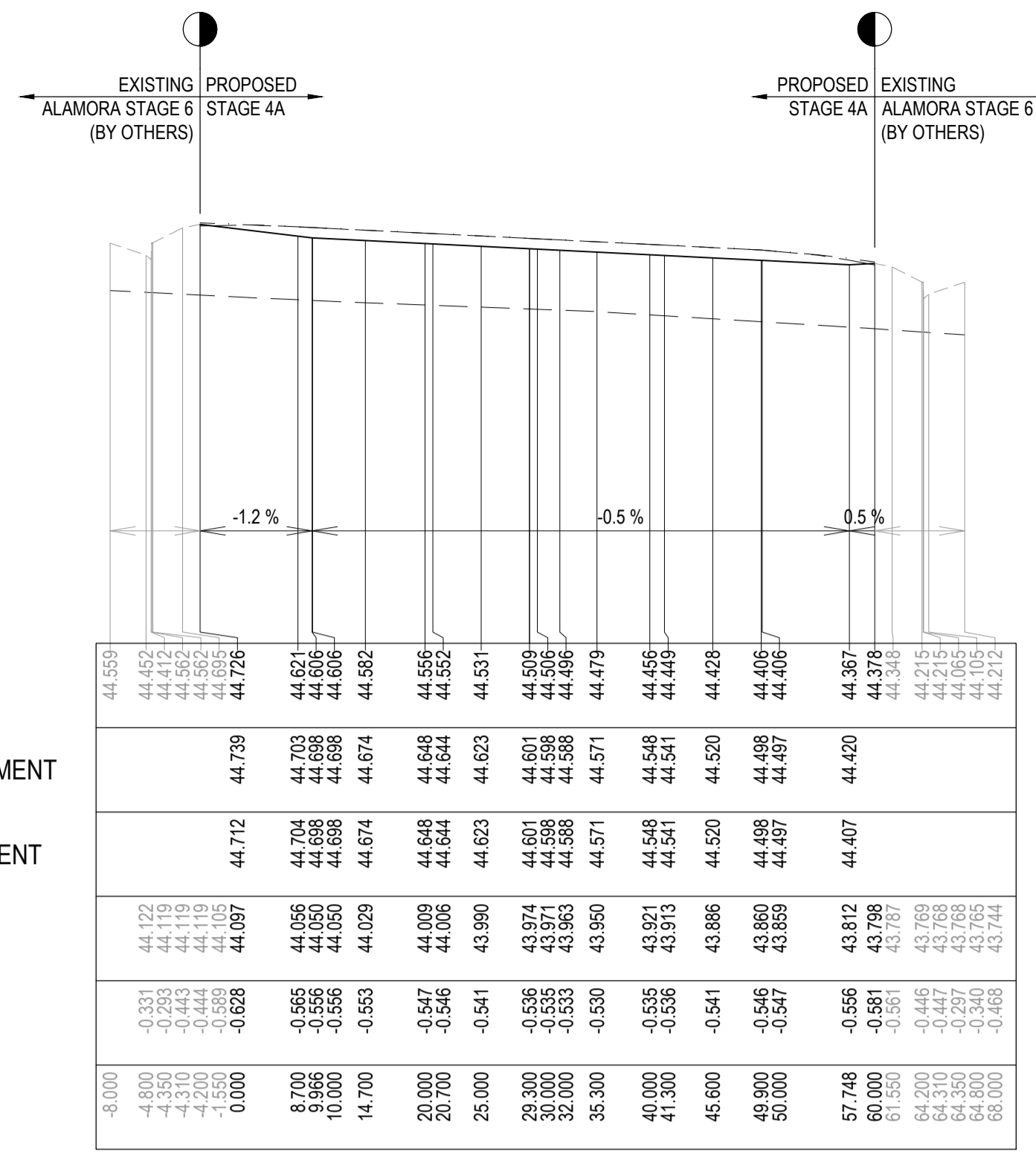
DESIGNED	PROJECT ENGINEER	
A.SINGH	M.TROUNCE	
DRAWN	PROJECT MANAGER	
A.SINGH	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
<b>200282.4A</b>	<b>R202</b>	<b>0</b>

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	LEFT EDGE OF PAVEMENT
	RIGHT EDGE OF PAVEMENT
	SELECT FILL

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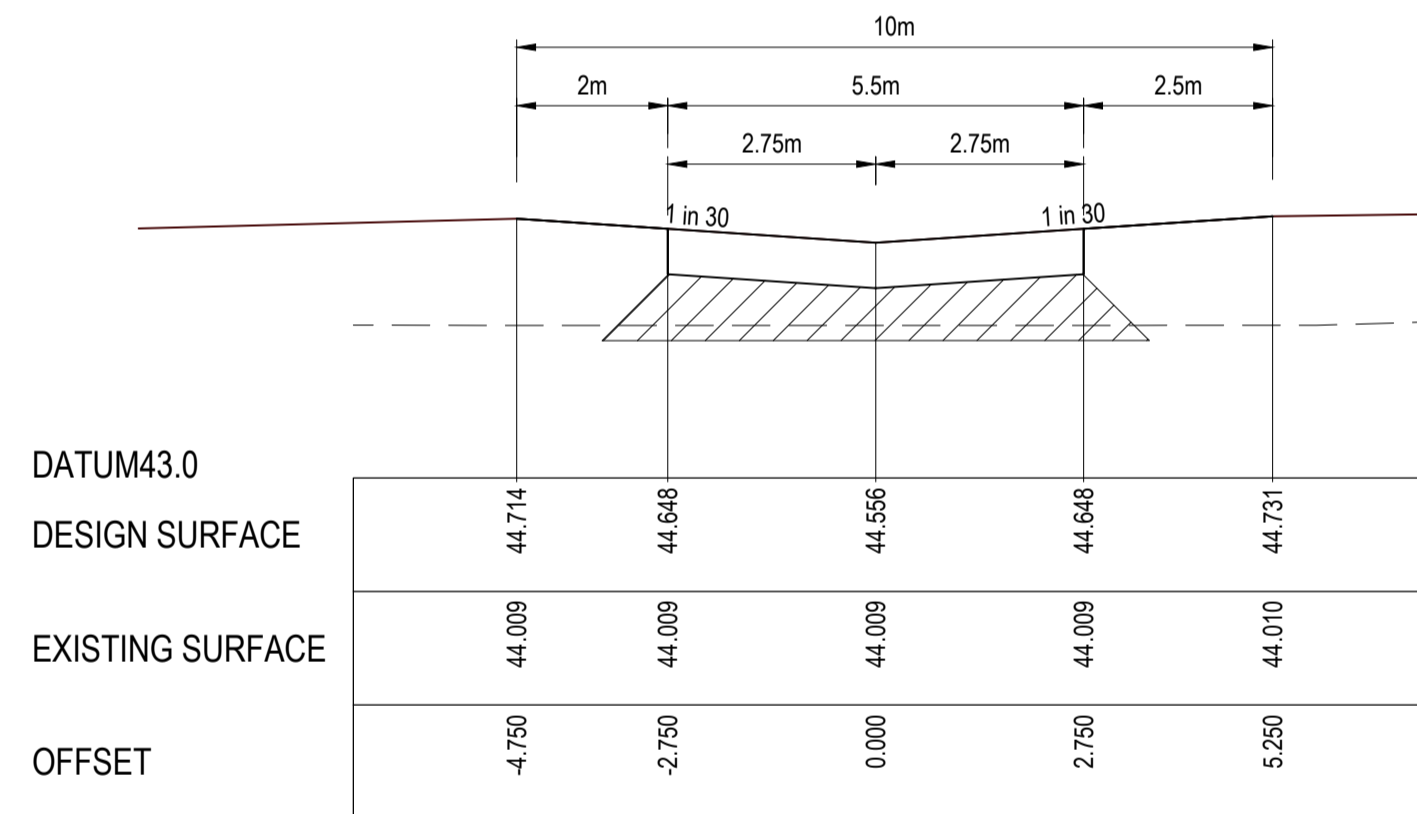


VERTICAL GEOMETRY  
 HORIZONTAL GEOMETRY  
 DATUM RL41  
 DESIGN CENTRELINE  
 RIGHT EDGE OF PAVEMENT  
 LEFT EDGE OF PAVEMENT  
 EXISTING SURFACE  
 CENTRELINE DEPTH  
 CHAINAGE

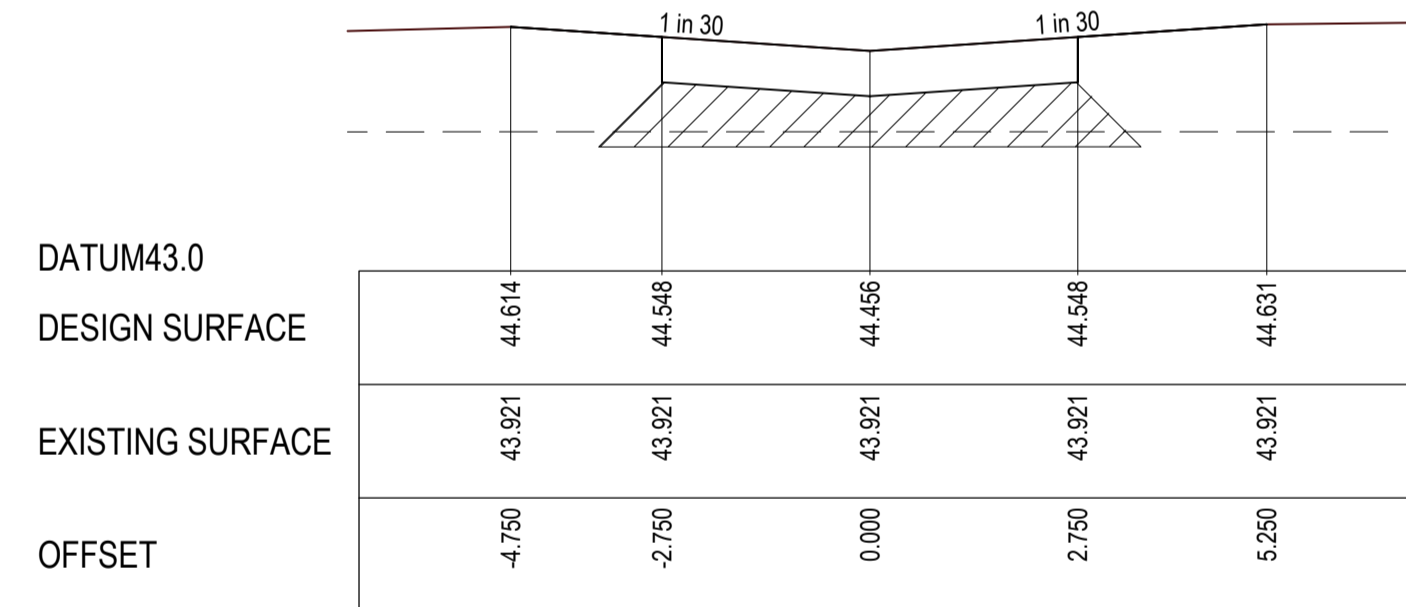


MELODY LANE LONGITUDINAL SECTION

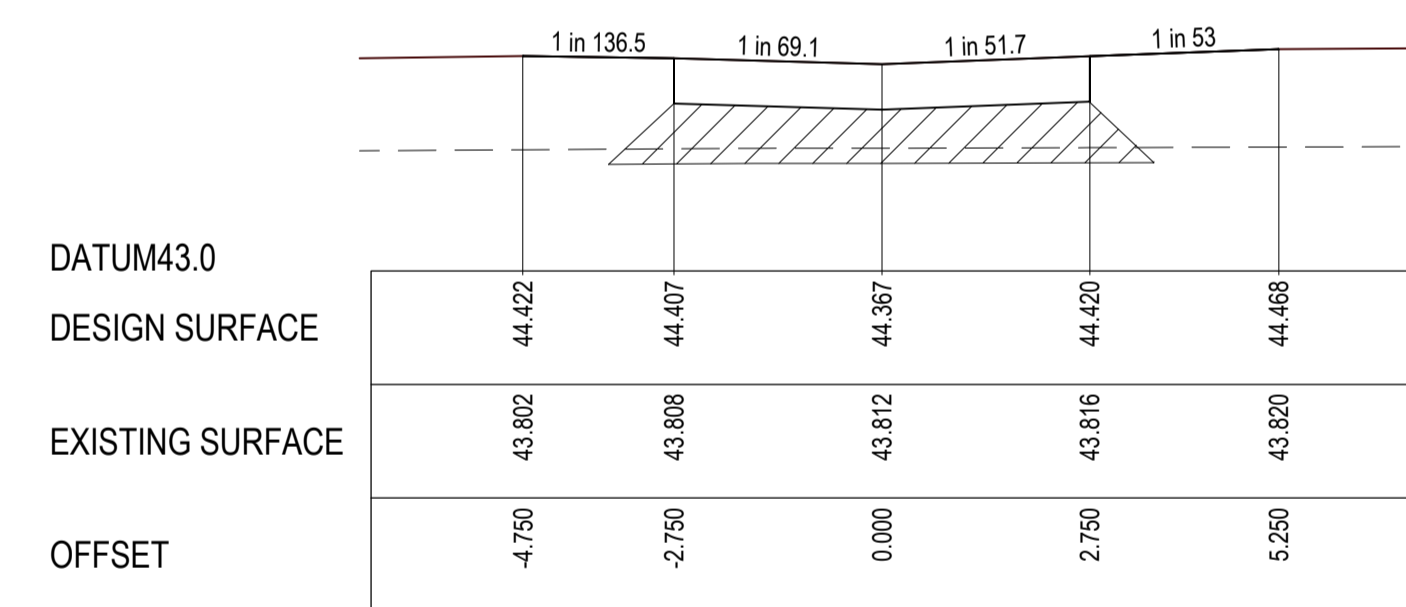
**Planning and Environment Act 1987**  
**Wyndham Planning Scheme**  
**Approved Plan As Required**  
**under Condition 41**  
**Permit No WYP10107/17**  
**Date 15/11/2024**



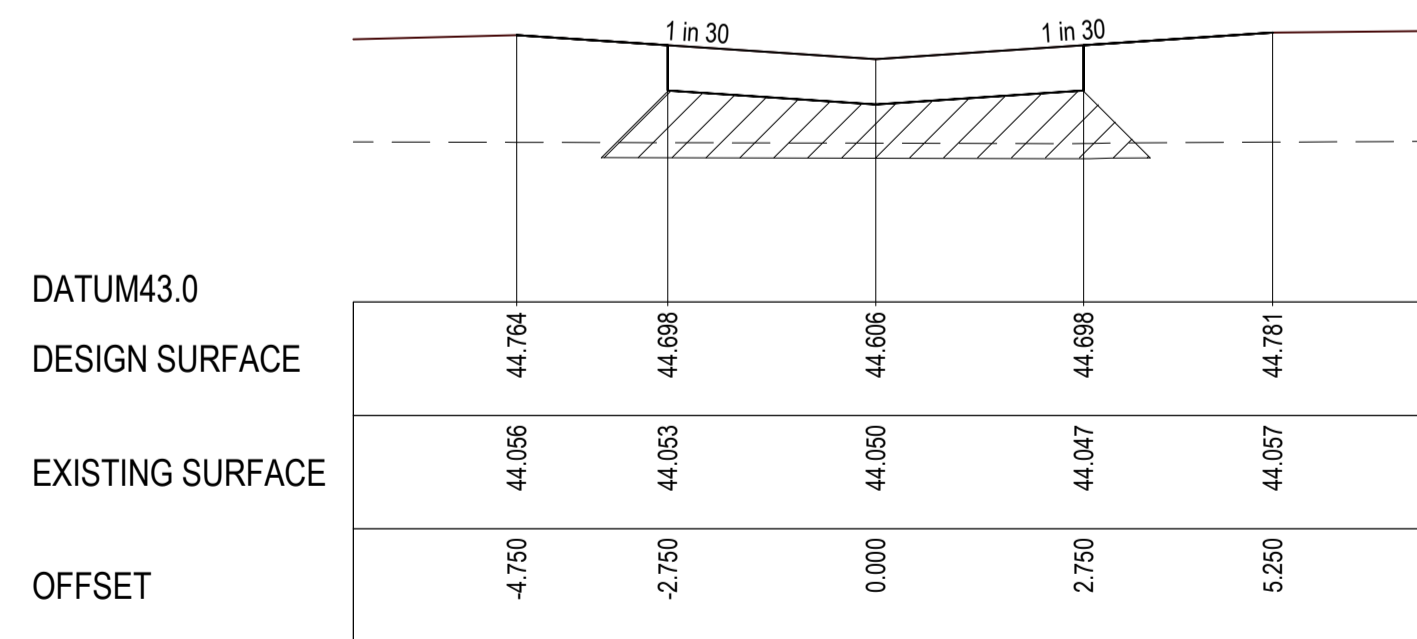
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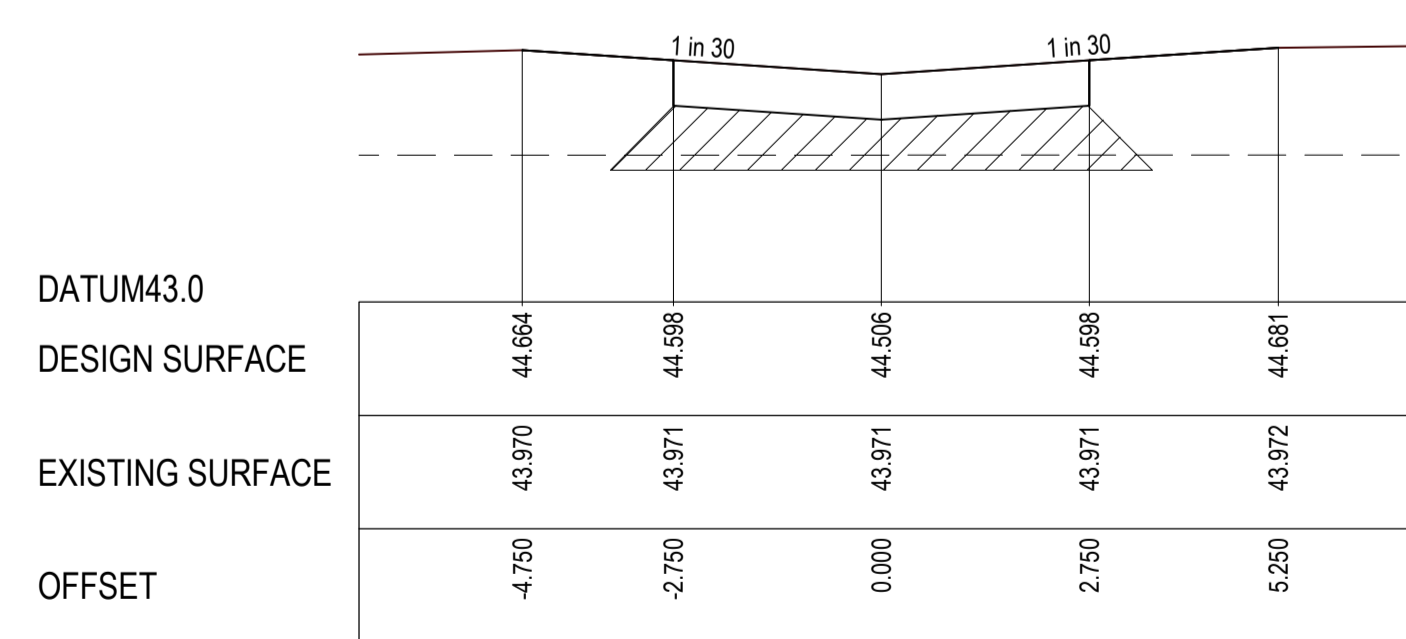
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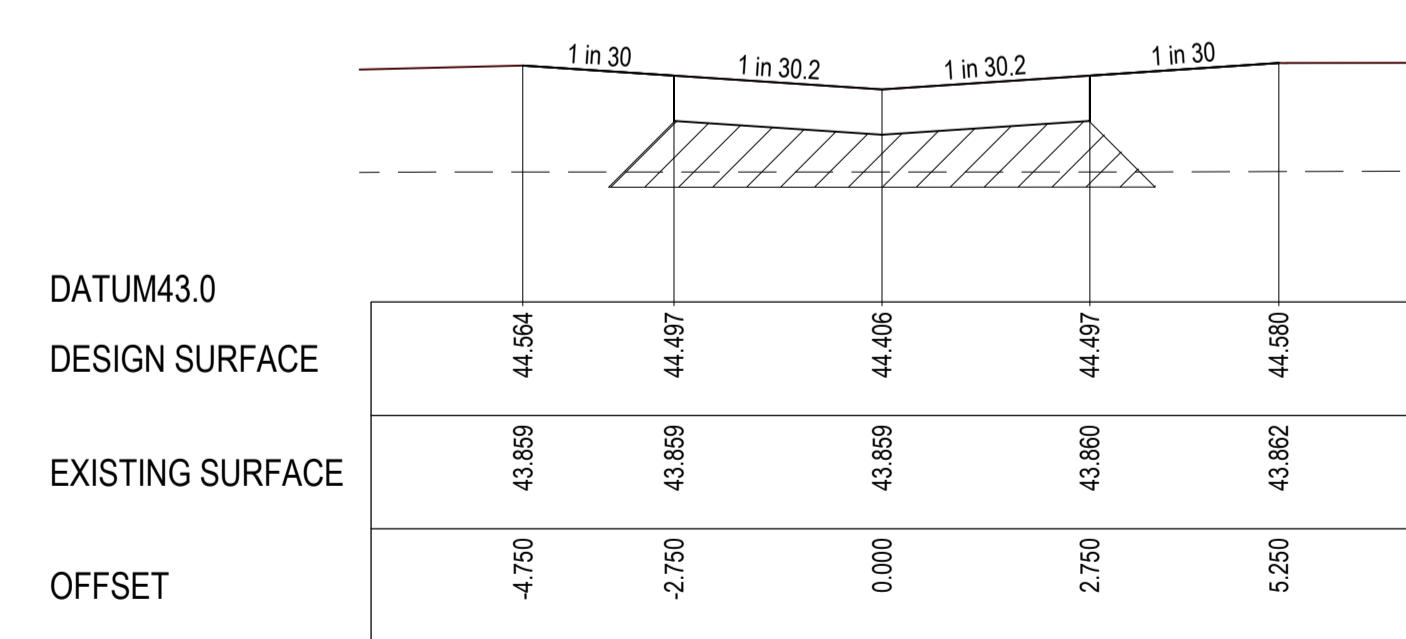
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CH 10.000



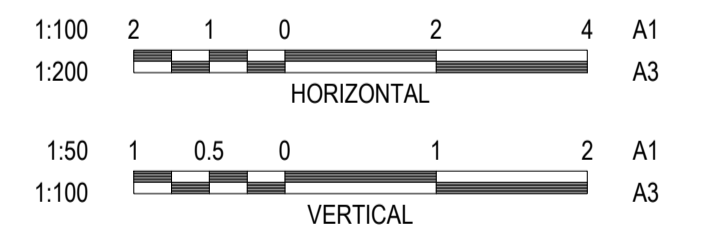
CH 30.000



CH 50.000

NOTE  
 SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS @ 45° WHERE CONSTRUCTED ABOVE NATURAL SURFACE

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



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B	23/09/24	COUNCIL COMMENTS	SM	AW	MT
A	03/09/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

ALAMORA - STAGE 4A  
 LONGITUDINAL & CROSS SECTIONS

STATUS

**ISSUED FOR CONSTRUCTION**

SCALE @ A1:  
**AS SHOWN**

DESIGNED

A. SINGH

DRAWN

A. SINGH

PROJECT No.

**200282.4A**

PROJECT ENGINEER

M. TROUNCE

PROJECT MANAGER

M. TROUNCE

DRAWING No.

**R400**

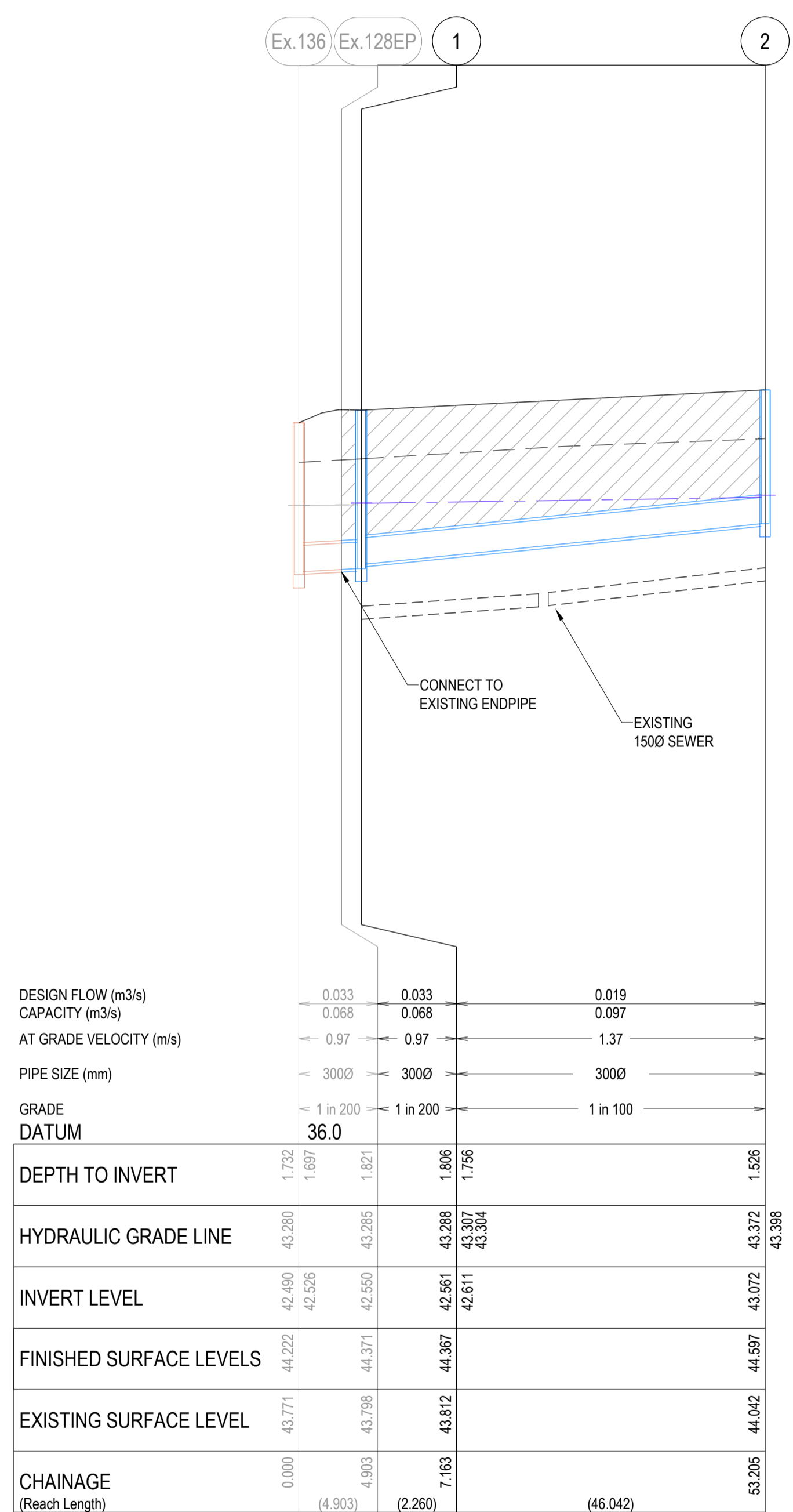
REVISION

**0**



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

PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L. (m)	DEPTH(m)	STANDARD DRAWING	REMARKS
		WIDTH(mm)	LENGTH(mm)	DIAMETER(mm)	INVERT R.L.(m)	DIAMETER(mm)	INVERT R.L.(m)				
Ex.128EP	ENDPIPE			300	42.55	300	42.55	44.371	1.821		CONNECT TO EXISTING ENDPIPE
1	GRATED PIT	600	900	300	42.611	300	42.561	44.367	1.806	EDCM 605	PIT COVER TO BE CLASS D (CAST IRON) V-TYPE GRATED COVER
2	GRATED PIT	600	900			300	43.072	44.597	1.526	EDCM 605	PIT COVER TO BE CLASS D (CAST IRON) V-TYPE GRATED COVER



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CLIENT

Communities Designed for Living

PROJECT

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

DRAWING TITLE

**ALAMORA - STAGE 4A**  
**DRAINAGE LONGITUDINAL SECTION**  
**& PIT SCHEDULE**

STATUS

**ISSUED FOR CONSTRUCTION**

SCALE @ A1: 1:500 (H) 1:50 (V)

DESIGNED

A.SINGH

PROJECT ENGINEER

M.TROUNCE

DRAWN

A.SINGH

PROJECT MANAGER

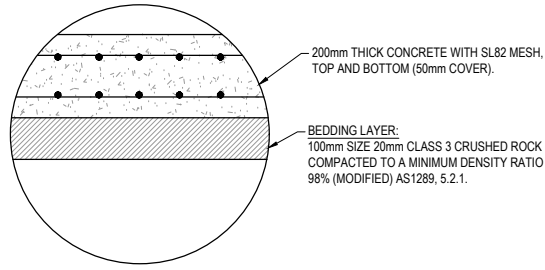
M.TROUNCE

PROJECT No. **200282.4A**

DRAWING No. **R600**

REVISION **0**

P:\2020\20282 - ALAMORA - TARNET\20282 - CIVIL\2 - DRAINAGE LONG SECTIONS.DWG

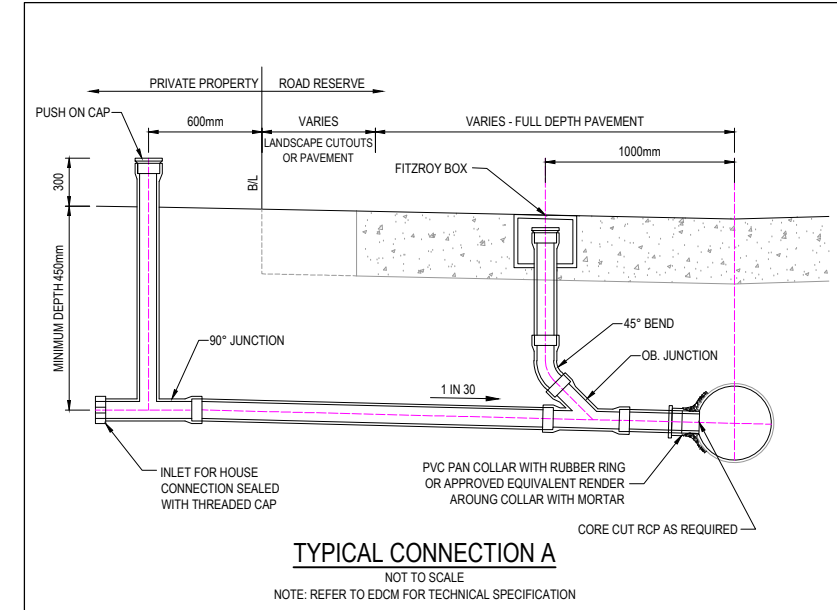


**PAVEMENT COMPOSITION**

MELODY LANE  
300mm DEPTH  
NTS



**PAVEMENT PLAN**



**TYPICAL CONNECTION A**

NOT TO SCALE  
NOTE: REFER TO EDMC FOR TECHNICAL SPECIFICATION

**Planning and Environment Act 1987  
Wyndham Planning Scheme**

**Approved Plan As Required  
under Condition 41  
Permit No WYP10107/17  
Date 15/11/2024**

**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**  
**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](http://www.1100.com.au)

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	14/10/24	ISSUED FOR CONSTRUCTION	SM	AW	MT
B	23/09/24	COUNCIL COMMENTS	SM	AW	MT
A	03/09/24	ISSUED FOR APPROVAL	SM	AW	MT

**CLIENT**

Communities Designed for Living

**PROJECT**

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

**DRAWING TITLE**

**DRAWING TITLE**

ALAMORA - STAGE 4A  
TYPICAL DETAILS

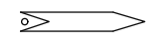
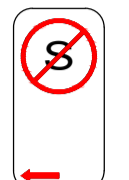
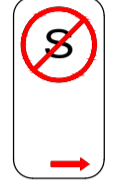
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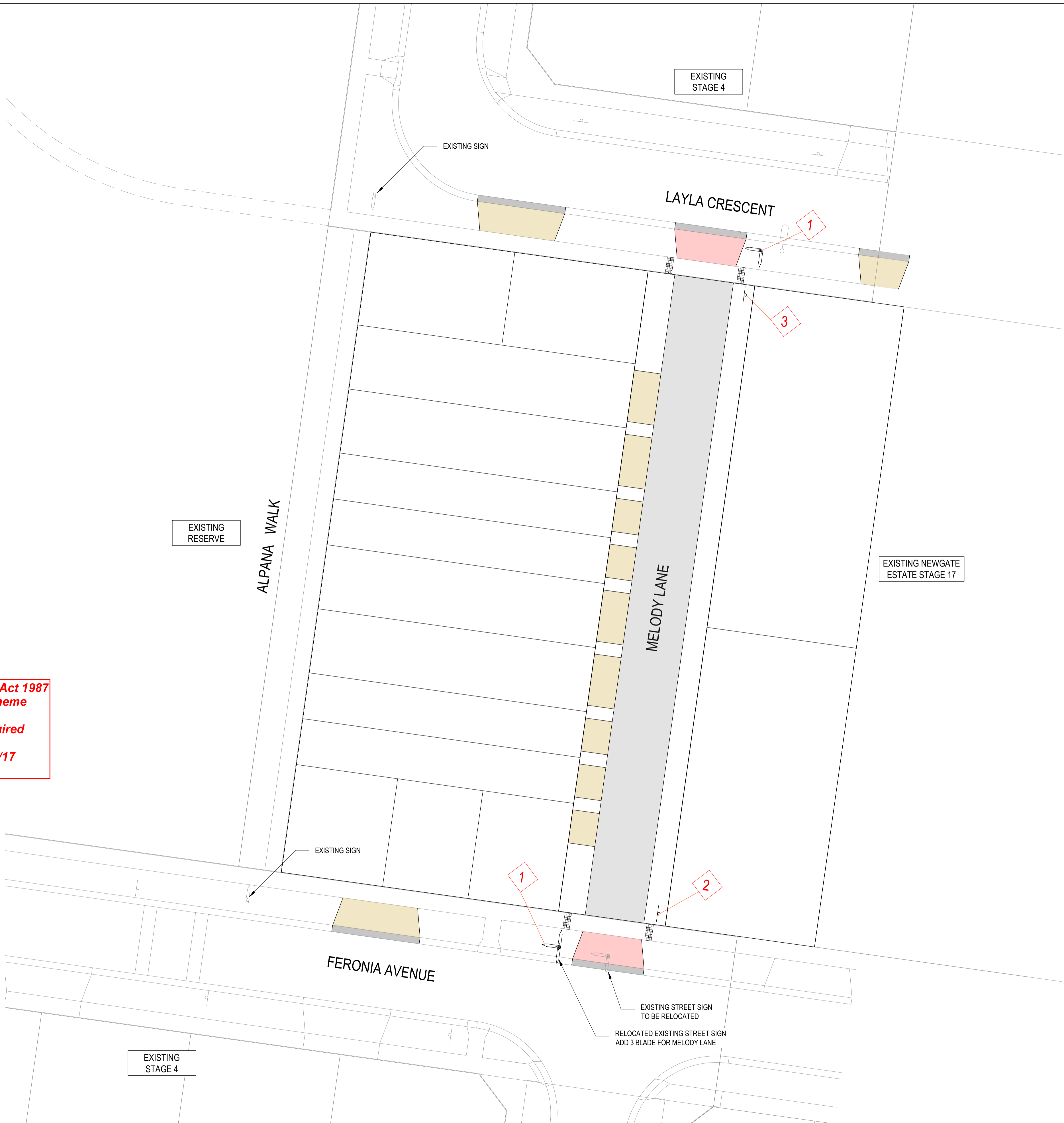
ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500

DESIGNED	PROJECT ENGINEER	
A. SINGH	M. TROUNCE	
DRAWN	PROJECT MANAGER	
A. SINGH	M. TROUNCE	
PROJECT No.	DRAWING No.	REVISION
200282.4A	R700	0

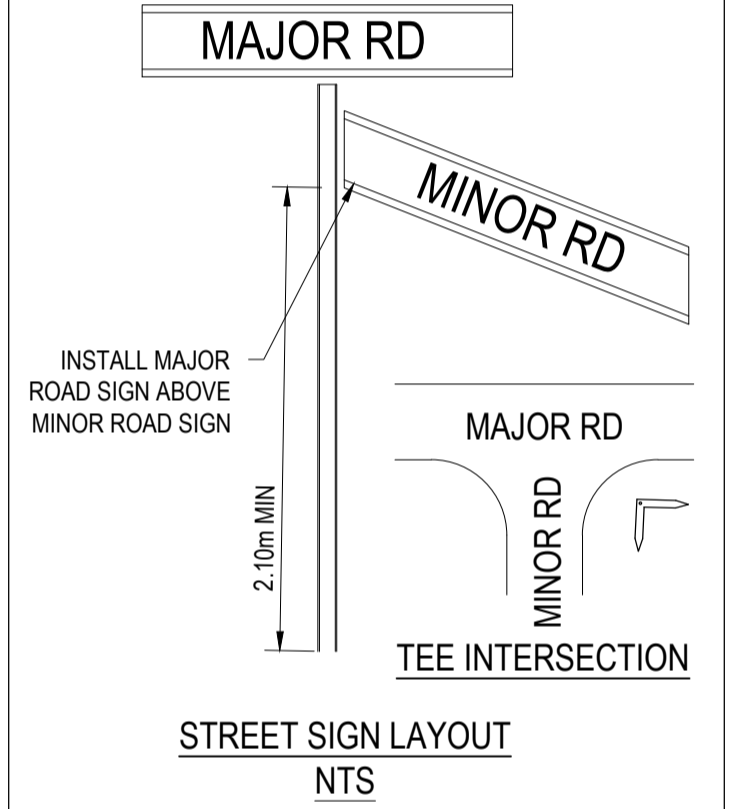
SIGN SCHEDULE

SIGN	REF	QUANTITY
	1	REFER TABLE
STREET SIGN (G5 SERIES)		
	2	1No.
NO STANDING RS-35L		
	3	1No.
NO STANDING RS-35R		



**LINEMARKING & SIGNAGE NOTES:**

- ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
- LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.
- ALL SIGN POSTS TO BE SLEEVED IN ACCORDANCE WITH COGG SD CGG710 - SIGN POSTS.
- ALL LINEMARKING TO BE THERMOPLASTIC PERMANENT PAINT.
- ALL STREET HYDRANTS TO BE IDENTIFIED IN ACCORDANCE WITH C.F.A. DOCUMENT - "IDENTIFICATION OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES" PUBLISHED JULY 2019 INCLUDING INSTALLATION OF BLUE RAISED REFLECTIVE PAVEMENT MARKERS & PAINTED WHITE REFLECTIVE TRIANGLES.



**STREET SIGN SCHEDULE**

MELODY LANE	2No.
LYLA CRESCENT	1No.

**Planning and Environment Act 1987**  
**Wyndham Planning Scheme**

**Approved Plan As Required**  
**under Condition 41**  
**Permit No WYP10107/17**  
**Date 15/11/2024**

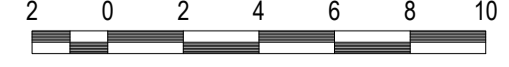

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
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B	23/09/24	COUNCIL COMMENTS	SM	AW	MT
A	03/09/24	ISSUED FOR APPROVAL	SM	AW	MT



DRAWING TITLE  
**ALAMORA - STAGE 4A**  
**SIGNAGE & LINEMARKING**

STATUS  
**ISSUED FOR CONSTRUCTION**

SCALE @ A1 : 1:200

DESIGNED A.SINGH	PROJECT ENGINEER M.TROUNCE
DRAWN A.SINGH	PROJECT MANAGER M.TROUNCE
PROJECT No. <b>200282.4A</b>	DRAWING No. <b>R800</b>
	REVISION <b>0</b>



**LEGEND - CONCRETE JOINTING PLAN**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- EXISTING STORMWATER DRAIN
- S- Sewer & Maintenance Structures
- Ex S- EXISTING SEWER
- H- HOUSE DRAIN
- ▨ TACTILE PAVERS
- ▨ PROPOSED PAVEMENT, KERB & CHANNEL, FOOTPATH & DRIVEWAY
- 199.4- MAJOR CONTOUR - (0.10m INTERVALS)
- 199.4- MINOR CONTOUR - (0.05m INTERVALS)
- 199.4- EXISTING CONTOUR - 0.05m
- - - CROWN

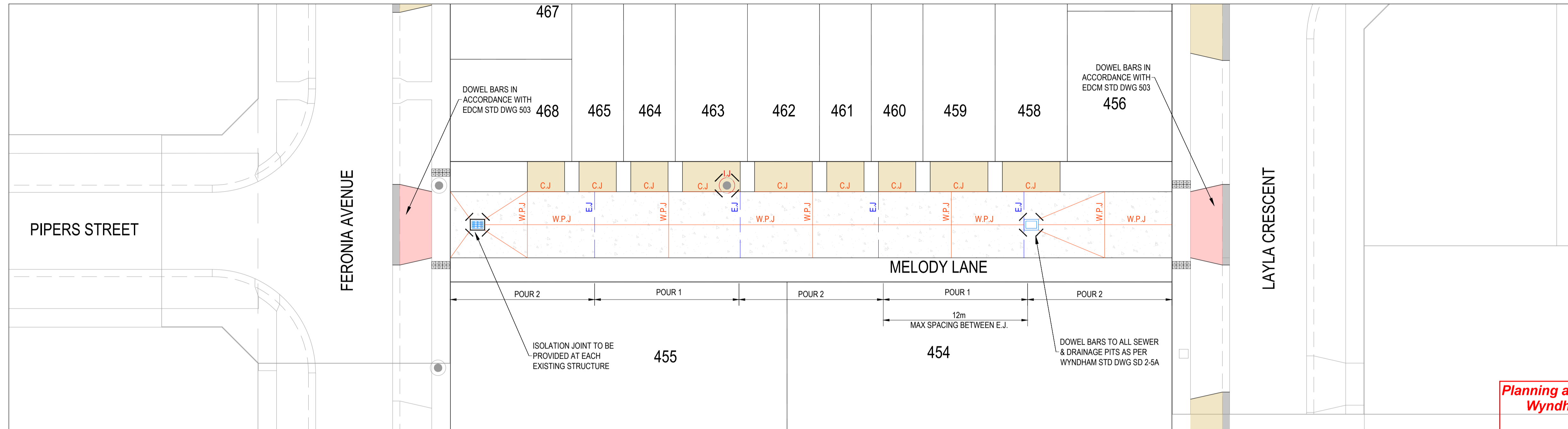
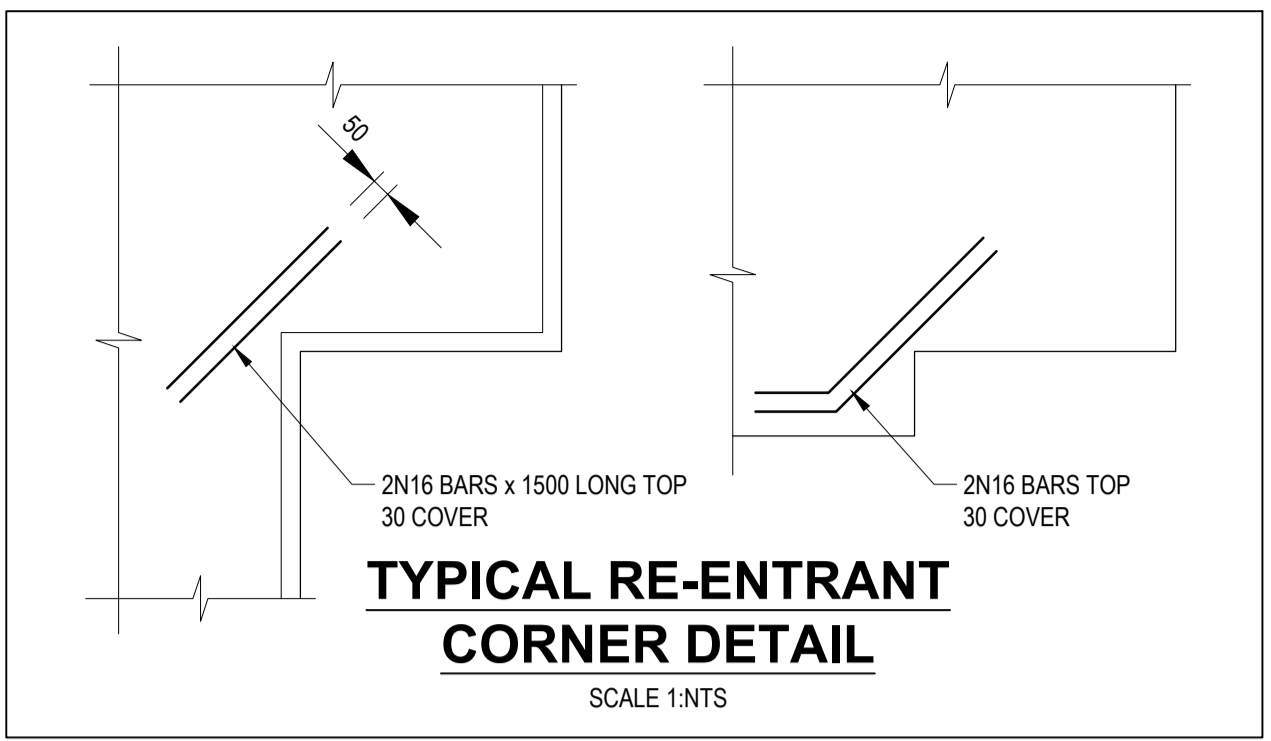
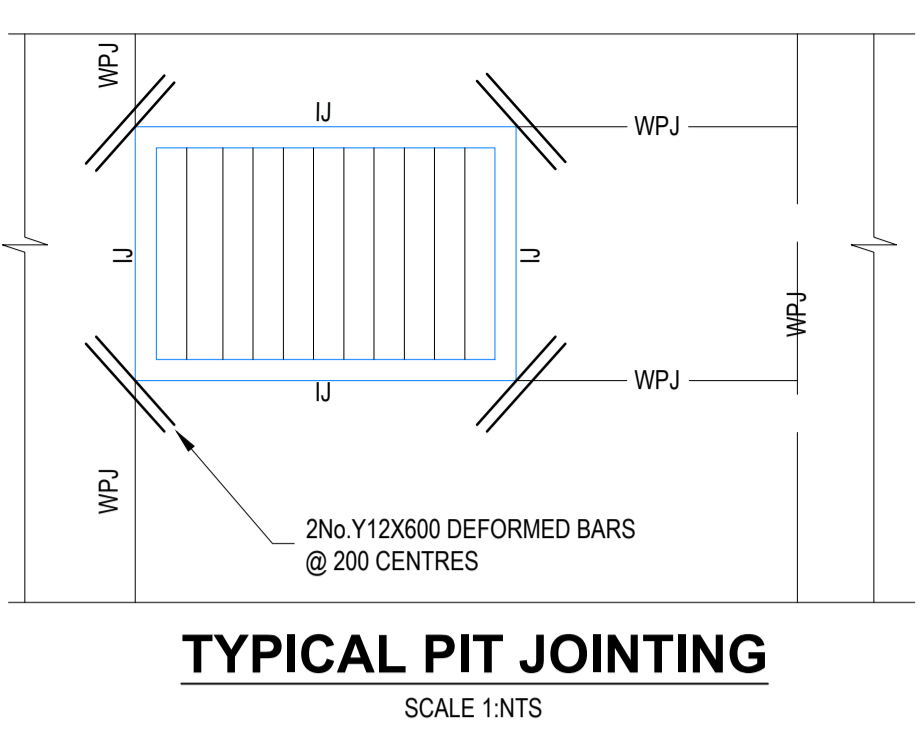
**CONCRETE JOINT LEGEND**

- I.J. ISOLATION JOINT
- W.P.J. SAWCUT JOINT
- E.J. EXPANSION CONTROL JOINT (12m Max)

FOR JOINT DETAILS REFER STD DWG EDM 401 & 402

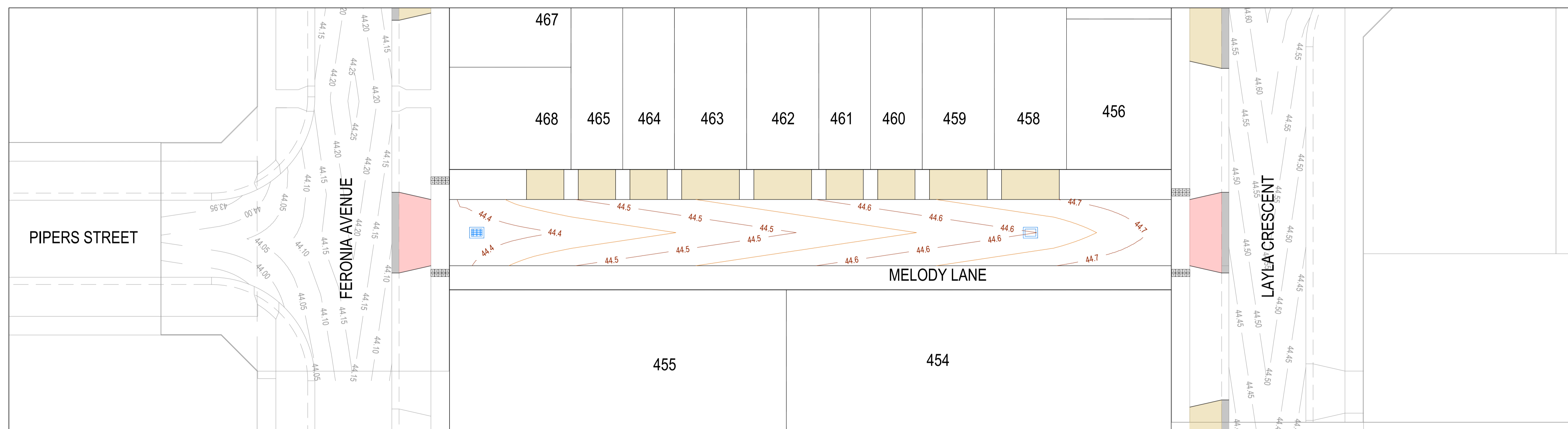
**WARNING**  
**BEWARE OF UNDERGROUND & OVERHEAD SERVICES**  
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**DIAL 1100 BEFORE YOU DIG**  
 www.1100.com.au

**NOTE:**  
 1. CONTRACTOR TO PROVIDE 1.2m x 1.2m UNPAVED PUBLIC LIGHTING AREAS WITHIN LANEWAYS. CONTRACTOR TO REFER LATEST ELECTRICAL DRAWINGS FOR INFORMATION.



**CONCRETE JOINTING LAYOUT PLAN - MELODY STREET**  
 SCALE 1:200 @ A1

**Planning and Environment Act 1987**  
**Wyndham Planning Scheme**  
**Approved Plan As Required**  
**under Condition 41**  
**Permit No WYP10107/17**  
**Date 15/11/2024**



**CONCRETE CONTOUR PLAN - MELODY STREET**  
 SCALE 1:200 @ A1

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
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B	23/09/24	COUNCIL COMMENTS	SM	AW	MT
A	03/09/24	ISSUED FOR APPROVAL	SM	AW	MT



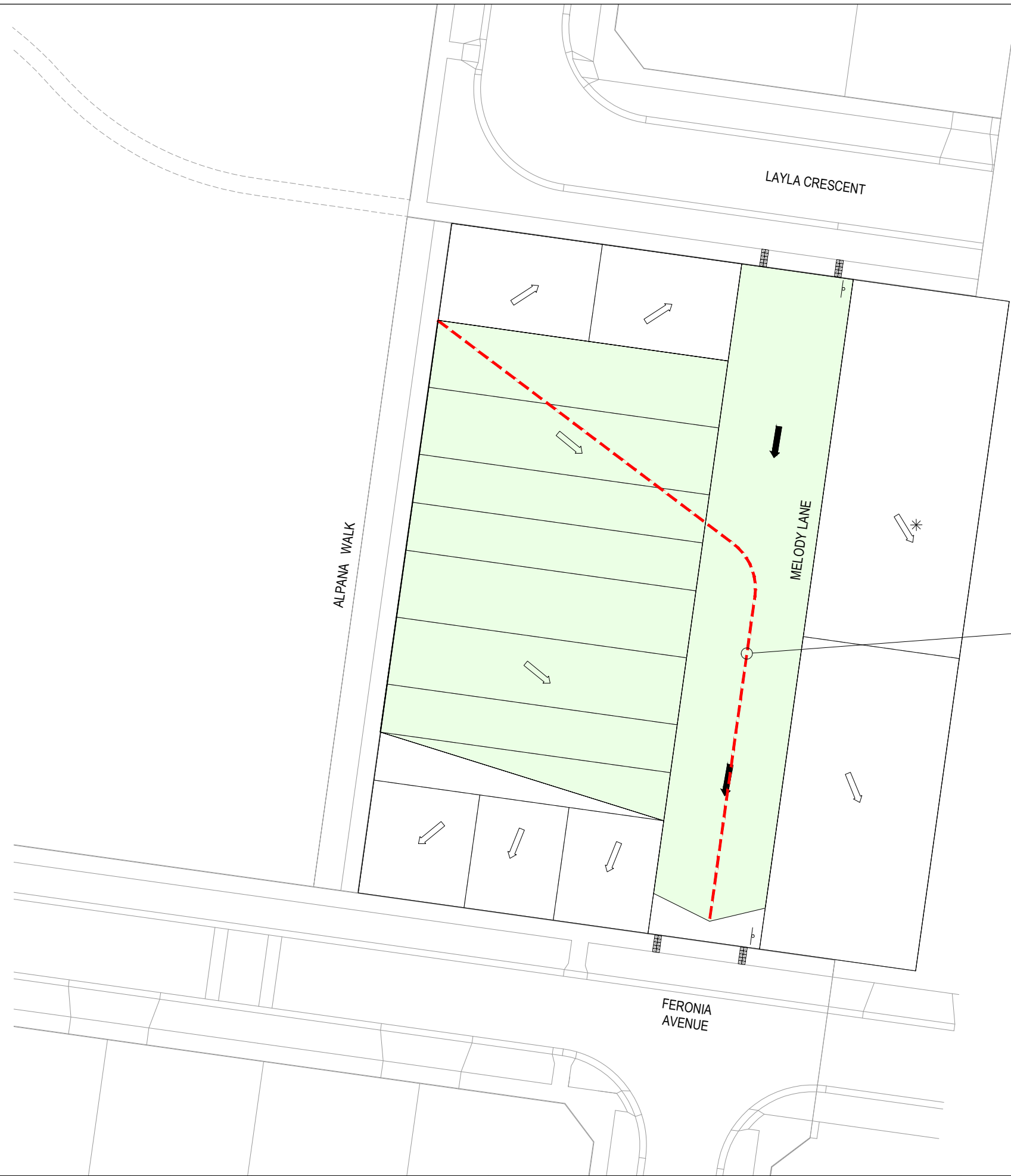
**ALAMORA - STAGE 4A**  
**CONCRETE JOINTING PLAN**

**ISSUED FOR CONSTRUCTION**

SCALE @ A1 : 1:200

DESIGNED	A.SINGH	PROJECT ENGINEER	M.TROUNCE
DRAWN	A.SINGH	PROJECT MANAGER	M.TROUNCE
PROJECT No.	<b>200282.4A</b>	DRAWING No.	<b>R900</b>
REVISION			<b>0</b>





'CATCHMENT A'  
 ROADS = 575m<sup>2</sup>  
 ALLOTMENTS = 1,015m<sup>2</sup>  
 TOTAL = 1,590m<sup>2</sup>

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
0	14/10/24	ISSUED FOR CONSTRUCTION	AW	AW	MT
A	06/09/24	ISSUED FOR APPROVAL	SM	AW	MT

CLIENT



Communities Designed for Living

CREO CONSULTANTS



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

PROJECT



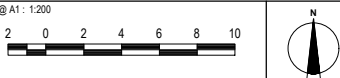
DRAWING TITLE

**ALAMORA - STAGE 4A  
 Q100 CATCHMENT PLAN**

STATUS

**ISSUED FOR CONSTRUCTION**

SCALE @ A1: 1:200



DESIGNED	PROJECT ENGINEER	
A SINGH	M.TROUNCE	
DRAWN	PROJECT MANAGER	
A SINGH	M.TROUNCE	
PROJECT No.	DRAWING No.	REVISION
<b>200282.4A</b>	<b>C100</b>	<b>0</b>



Project:	Alamora Stage 4A
Job No.:	200282.4A
Council:	WYNDHAM
Region:	SOUTH WEST / WEST REGION
Design Standard:	GAA

Residential high:  
Road Zone Category 1:  
Road Zone Category 2:



Prepared by:	S.Murad
Revision:	0
Date:	14/10/2024

ZONE	Residential	Roads
LAND USE	Residential high	Road Zone Category 1
C5	0.71	0.64
C10	0.75	0.67
C100	0.90	0.81

CATCHMENT AREAS	ha	ha	Sub Area
A	0.1015	0.0575	0.159
TOTAL	0.1015	0.0575	0.159

NODE	DESCRIPTION	CONTRIBUTING CATCHMENTS	Residential high ha	Road Zone Category 1 ha	Total Area ha	CATCHMENT RATIONAL METHOD			Tc Method	Sub-catchment tc w/o Sat. min	TIME OF CONCENTRATION		5 YEAR FLOW			100 YEAR FLOW			PIPE ARI	GAP FLOW EXCESS Q100 - QPIPE m <sup>3</sup> /s
						Length m	Velocity m/s	Saturation Time min			Critical Catchment	Calculated Tc min	A <sub>c</sub> ha	I mm/hr	Q m <sup>3</sup> /s	A <sub>c</sub> ha	I mm/hr	Q m <sup>3</sup> /s		
A	SECTION A	A	0.10	0.06	0.16	67	1.0	5	RATIONAL METHOD	1.1	A	6.1	0.11	76.5	0.02	0.14	158.5	0.06	5 YEAR FLOW	0.038





REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
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CLIENT



Communities Designed for Living

PROJECT



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

PROJECT



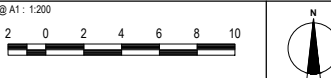
DRAWING TITLE

**ALAMORA - STAGE 4A  
Q5 CATCHMENT PLAN**

STATUS

**ISSUED FOR CONSTRUCTION**

SCALE @ A1: 1:200



DESIGNED	A. SINGH	PROJECT ENGINEER	M. TROUNCE
DRAWN	A. SINGH	PROJECT MANAGER	M. TROUNCE
PROJECT No.	<b>200282.4A</b>	DRAWING No.	<b>C200</b>
		REVISION	<b>0</b>

**Alamora - STAGE 4A**  
**DRAINAGE COMPUTATIONS - HYDROLOGY**  
**1 in 5 YEAR ARI**

DATE:	14/10/2024
REVISION:	0



Pit	Pit Type	Setout			Catch ID	Tc (min)	Intensity (mm/hr)	CofR	Area (ha)	Ae (ha)	Sum Ae (ha)	Approach Flow l/s
		Easting (m)	Northing (m)	RL (m)								
Ex.136	ExPIT	292079.09	5808576.21	44.22								
Ex.128EP	ENDPIPE	292076.76	5808580.52	44.37								
1	GP	292075.91	5808582.62	44.37	1P	5	82.4	0.64	0.0463	0.0296	0.0637	14.6
					2P	5	82.4	0.71	0.0478	0.0341		
2	GP	292082.29	5808628.22	44.6	1P	5	82.4	0.64	0.011	0.007	0.0834	19.1
					2P	5	82.4	0.71	0.1071	0.0764		
Ex.PIT 2	ExPIT	291895.58	5808601.79	44.06								
3	GP	291890.86	5808611.34	44.14	1P	5	82.4	0.64	0.0476	0.0304	0.0645	14.8
					2P	5	82.4	0.71	0.0478	0.0341		
4	GP	291896.85	5808654.17	44.6	1P	5	82.4	0.64	0.0129	0.0082	0.0688	15.7
					2P	5	82.4	0.71	0.0849	0.0606		

**DRAINAGE COMPUTATIONS - HYDRAULICS**

Pipe US	Pipe DS	Pipe Length (m)	Pipe Size (mm)	Pipe Grade (1 in)	Tc (min)	Intensity (mm/hr)	Sum Ae (ha)	Pipe Flow (l/s)	Pipe Capacity (l/s)	Q/Qf	Capacity Velocity (m/s)	Cover Min (m)	US Pit Ku	Pipe V'head (m)	P'head Loss (m)	Pipe T'head Loss (m)	Pit WSE (m)	Pipe US HGL (m)	Pipe DS HGL (m)	HGL Slope (%)	HGL Grade (1 in)	Freeboard US (m)	
Ex.136																	43.3						
Ex.128EP	Ex.136	4.9	300	200.10	5.6	80.0	0.147	33.0	68.0	0.48	1.0	1.4		0.0	0.0	0.0	43.3	43.3	43.3	0.1	877.4	1.1	
1	Ex.128EP	2.3	300	200.00	5.6	80.0	0.147	33.0	68.0	0.48	1.0	1.5	1.5	0.0	0.0	0.0	43.3	43.3	43.3	0.1	873.9	1.1	
2	1	46.0	300	100.0	5.0	82.0	0.1	19.0	97.0	0.20	1.4	1.2	7.0		0.0	0.1	43.4	43.4	43.3	0.1	690.7	1.2	
Ex.PIT 2																	42.7						
3	Ex.PIT 2	10.7	300	100.0	5.5	80.0	0.1	30.0	97.0	0.31	1.4	1.1	1.8	0.0	0.0	0.2	43.1	43.0	42.7	2.8	36.4	1.1	
4	3	43.3	300	100.0	5.0	82.0	0.1	16.0	97.0	0.16	1.4	1.0	7.0		0.0	0.5	43.5	43.5	43.1	1.1	92.8	1.1	