

WSU MILPERRA

CONCEPT CIVIL ENGINEERING PLANS TO SUPPORT THE STAGE 2A & 2B SUBDIVISION
OF PROPOSED LOT 1000 (UNREG.)(TO BE CREATED UNDER STAGE 1)
LOT 2 IN DP1291984 - 2 BULLECOURT AVENUE, MILPERRA
CANTERBURY-BANKSTOWN COUNCIL
MIRVAC HOMES (NSW) PTY LTD



SITE PLAN
NOT TO SCALE

DRAWING INDEX

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
D	DRAWING INDEX AMENDED	31.10.24	S.F.	S.G.					
C	STAGE 2A AND 2B ANNOTATED	18.10.24	C.Y.	S.G.					
B	LOTS 2003-2006 SHIFTED SOUTH 2m	09.10.24	B.R.	S.F.					
A	ISSUED FOR INFORMATION	17.09.24	B.R.	S.F.					



Designed	B.RAU
Date	17.09.24
Drawn	B.RAU
Approved	S.GRAY
Date	17.09.24
DA Number	-

BW

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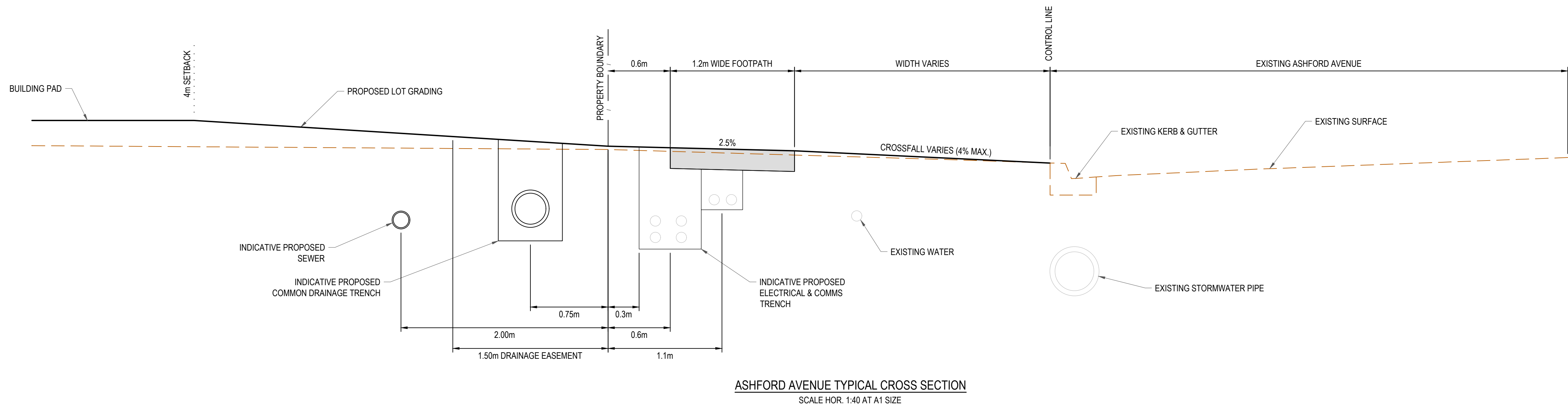
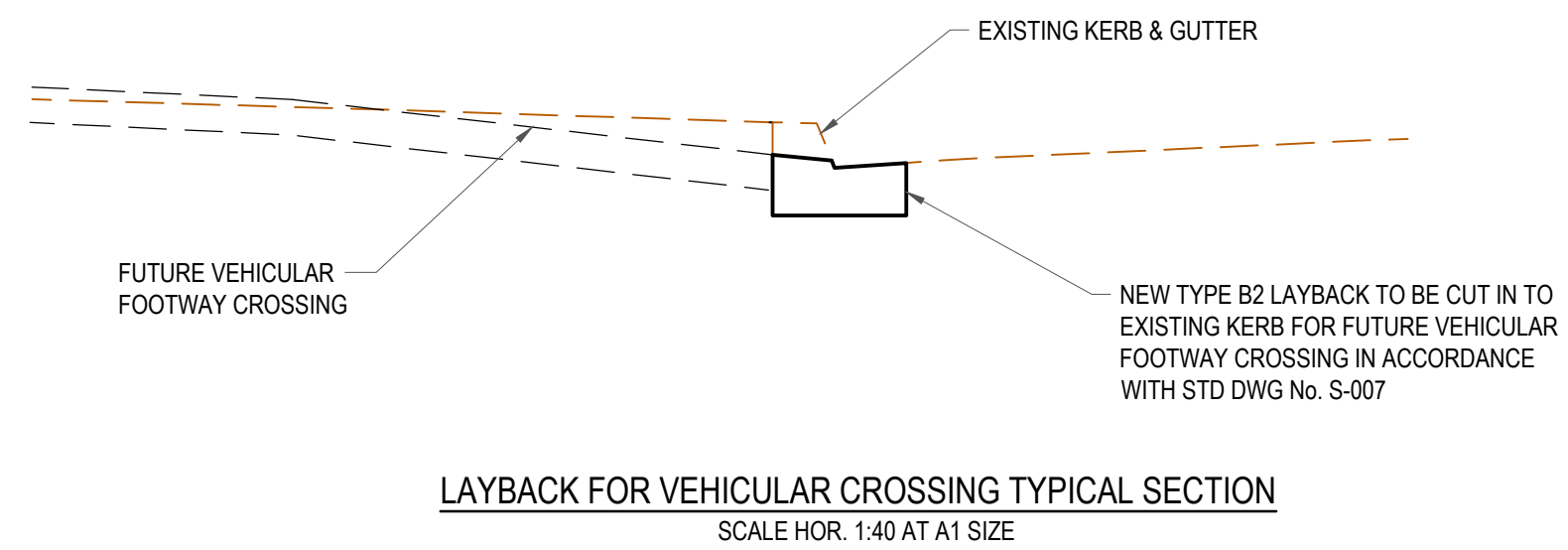
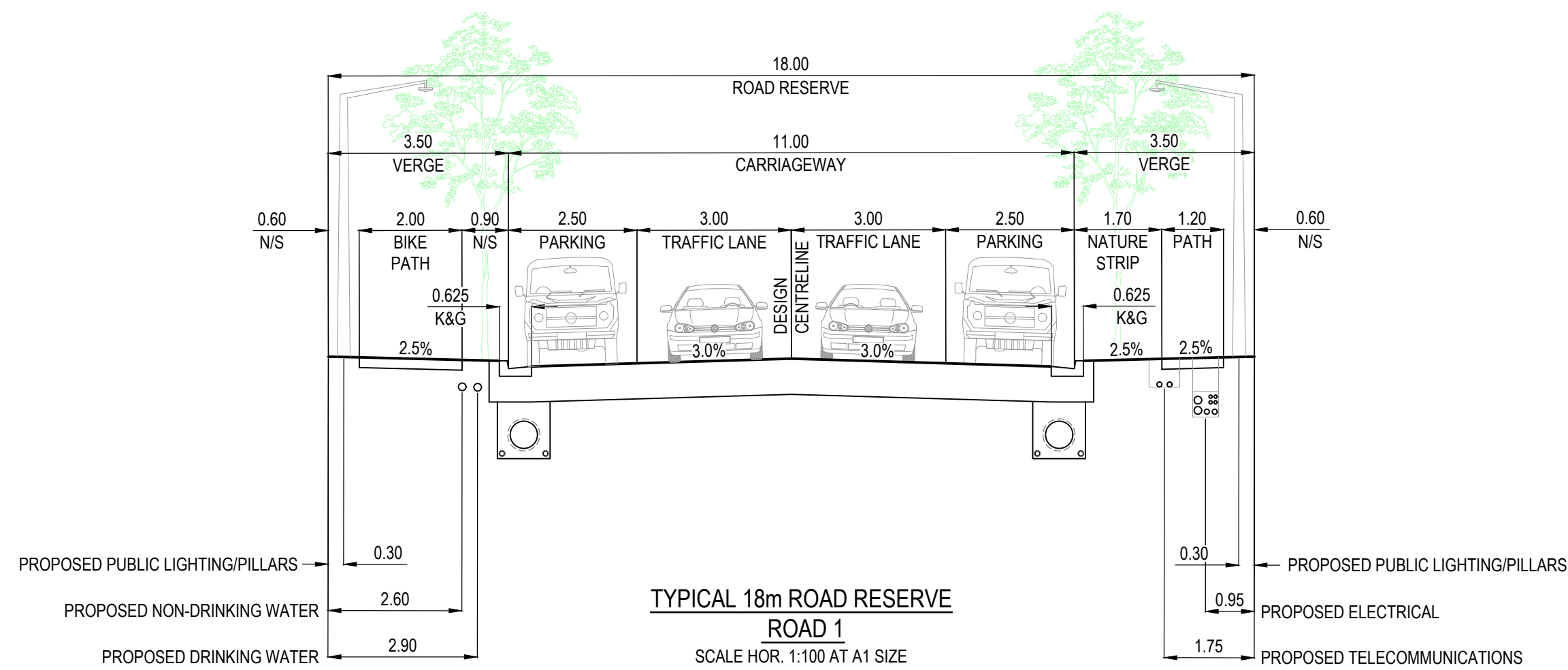
Development & Infrastructure Consultants

Tuggerah Business Park Unit 4, 5 Colony Ct
Tuggerah NSW 2259

ph: 02 43512233
www.beveridgewilliams.com.au

Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	COVER SHEET

Sheet 01 of 18			
Scale			
Project Number	Reference	Drawing No	Revision
2301879	307	001	D



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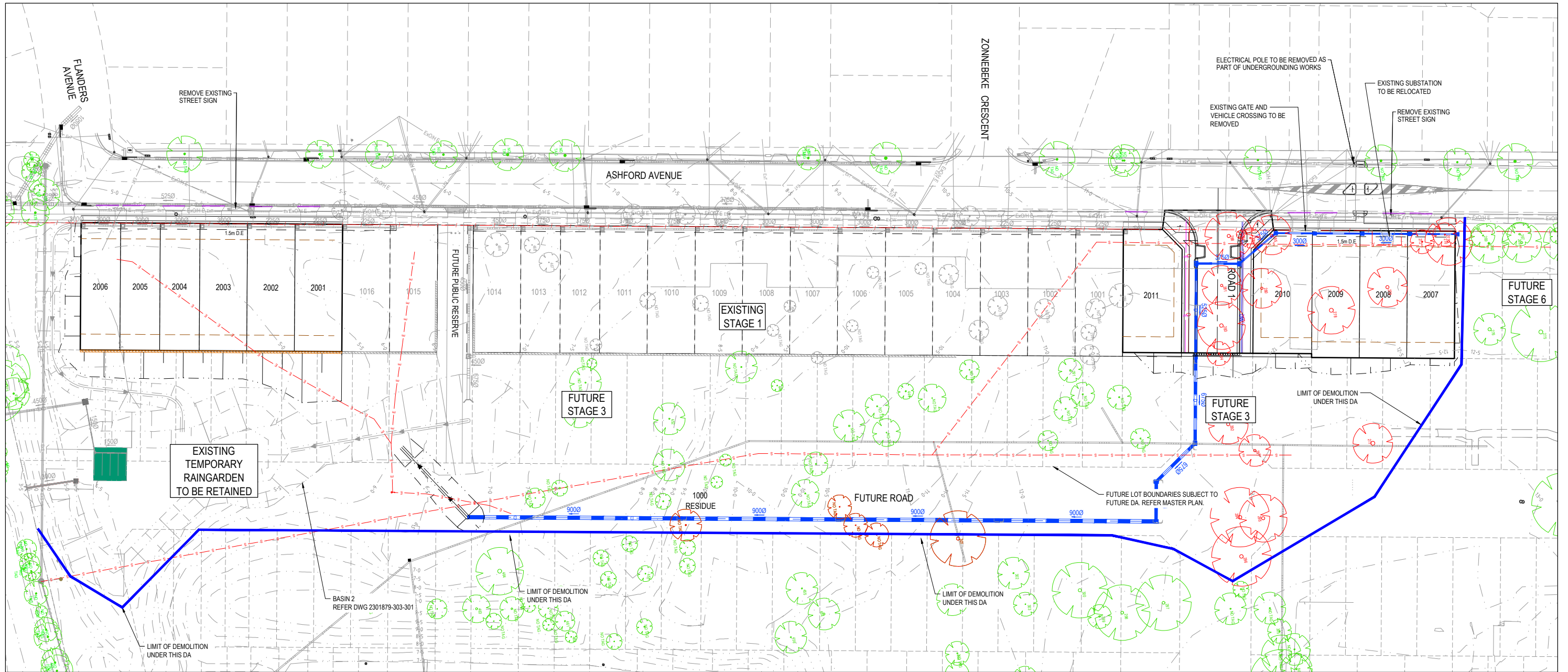


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Date	17.09.24
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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	DETAILS & TYPICAL CROSS SECTION

Sheet 02 of 18			
Scale AS SHOWN			
Project Number	Reference	Drawing No	Revision
2301879	307	002	A

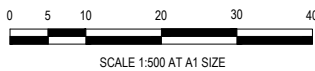


LEGEND - DEMOLITION PLAN PLAN				
	EXISTING TREE TO BE REMOVED REPLACEMENT STRATEGY AS PER ARBORIST REPORT			
	EXISTING TREE TO BE RETAINED			
	TREE REMOVED AS PART OF EARLIER WORKS			
	EXISTING STORMWATER PIT/PIPE TO BE REMOVED			
	EXISTING ELECTRICITY TO BE REMOVED			
	EXISTING SEWER TO BE REMOVED			
	EXISTING FENCE TO BE REMOVED			

WARNING
Beware of Underground Services
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
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D	NOTES ADDED	31.10.24	S.F.	S.G.					
C	EXISTING CONTOURS DRAFTING	18.10.24	C.Y.	S.G.					
B	LOTS 2003-2006 SHIFTED SOUTH 2m	09.10.24	B.R.	S.F.					
A	ISSUED FOR INFORMATION	17.09.24	B.R.	S.F.					
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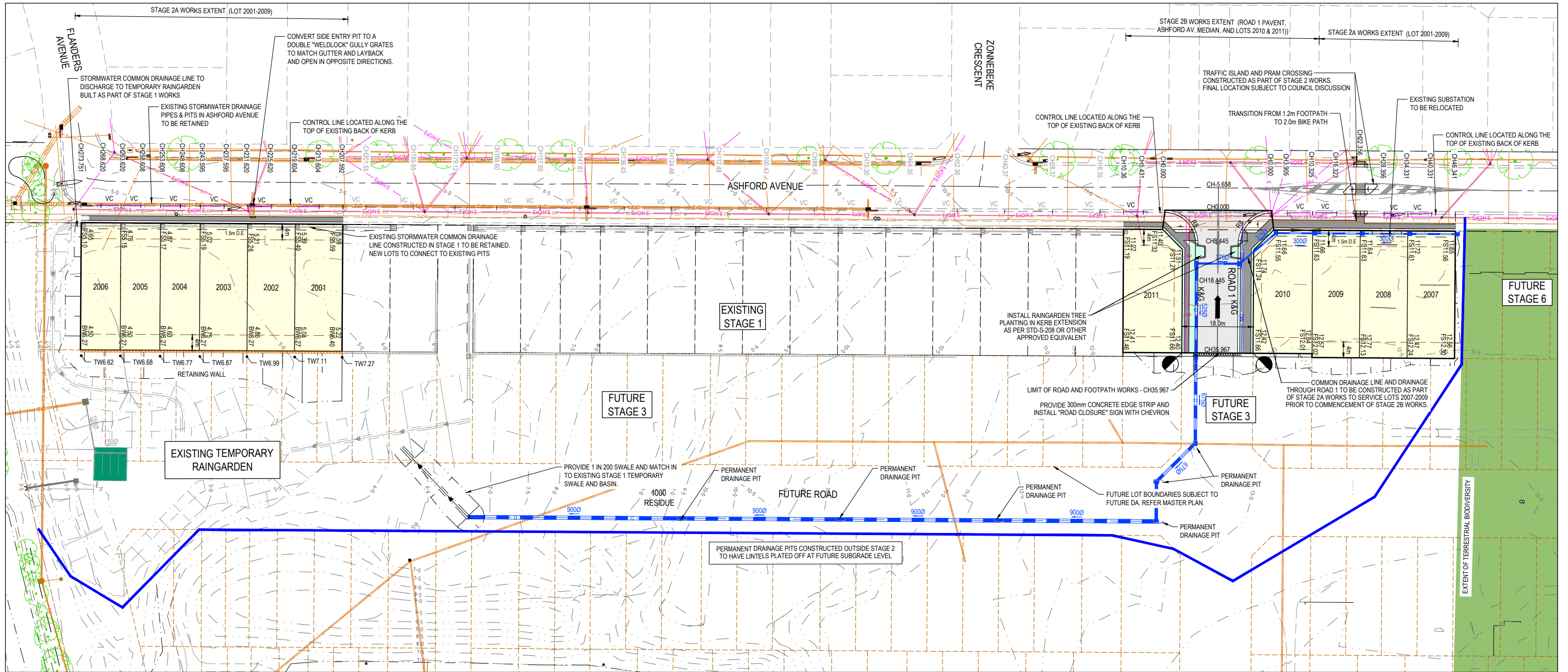


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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	DEMOLITION PLAN

Sheet	03 of 18
Scale	1:500 @ A1
Project Number	2301879
Reference	307
Drawing No	003
Revision	D



LEGEND - LAYOUT PLAN

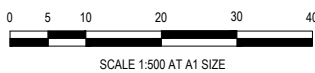
- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RIDGE LINE
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN
- DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- TREE PROTECTION ZONE (TPZ)
- NEW LAYBACK TO BE CUT IN TO EXISTING KERB FOR FUTURE DRIVEWAY
- ALL NEW DRIVEWAYS TO BE 4m WIDE
- AREA OF TERRESTRIAL BIODIVERSITY
- RAINGARDEN

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Date 17.09.24
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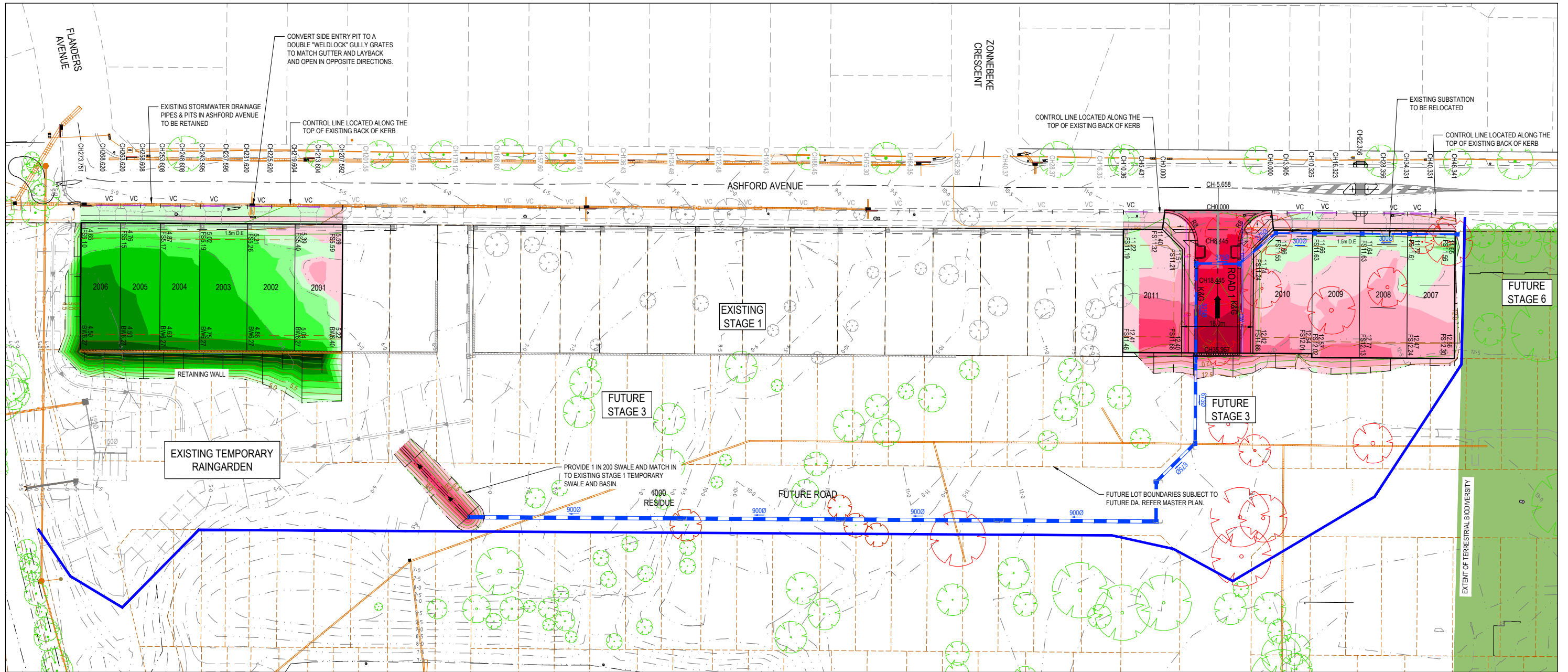
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Project Details
WSU MILPERRA, LOT 2 IN DP1291984
2 BULLECOURT AVE, MILPERRA
STAGE 2 SUBDIVISION
Drawing Title
LAYOUT PLAN

Sheet 04 of 18

Scale
1:500 @ A1

Project Number	Reference	Drawing No	Revision
2301879	307	010	D



CUT AND FILL LEGEND		
DEPTH RANGE (m)		COLOUR
>1.8m CUT		
-1.8	-1.5	
-1.5	-1.2	
-1.2	-0.9	
-0.9	-0.6	
-0.6	-0.3	
-0.3	0.0	
0.0	0.3	
0.3	0.6	
0.6	0.9	
0.9	1.2	
1.2	1.5	
1.5	1.8	
1.8	2.1	
2.1	2.4	
2.4	2.7	
>2.7m FILL		

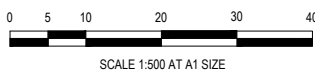
APPROXIMATE EARTHWORKS VOLUMES:
CUT - 1,577m³
FILL - 2,397m³
BALANCE - 820m³ OF FILL

* THIS ESTIMATE IS BASED ON SURFACE TO SURFACE MODELLING ONLY AND IS SUBJECT TO FINAL DESIGNS

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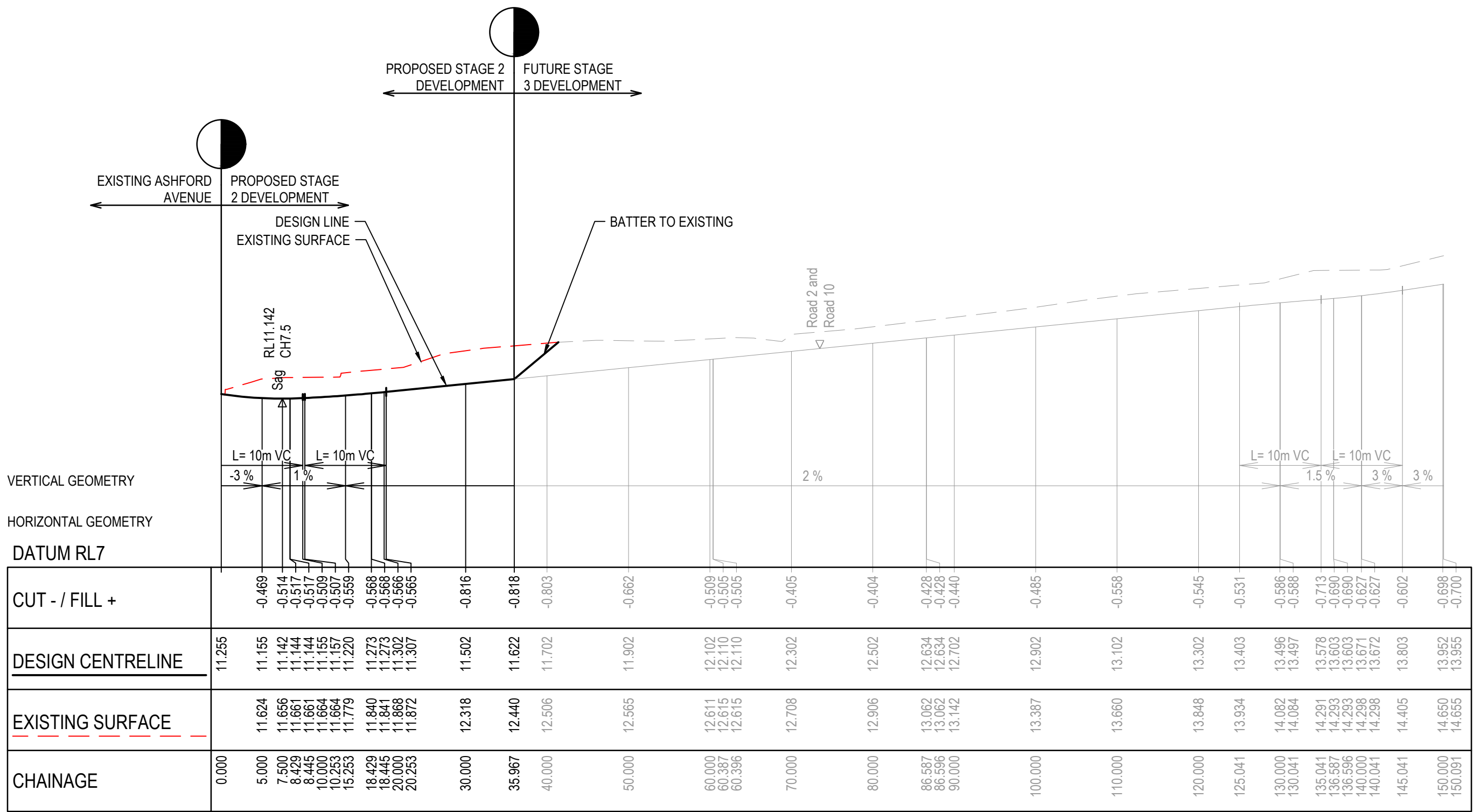
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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	BULT EARTHWORKS

Sheet	06 of 18
Scale	1:500 @ A1
Project Number	2301879
Reference	307
Drawing No	012
Revision	D

LEGEND		
---	EXISTING SURFACE	
---	DESIGN LINE	

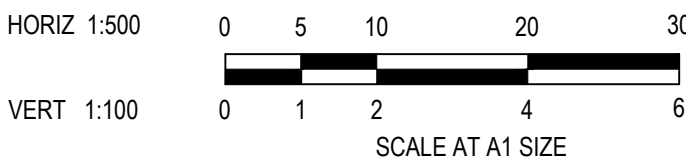


ROAD 1 - LONGITUDINAL SECTION
Scales: HORZ 1 : 500
VERT 1 : 100

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Date	17.09.24
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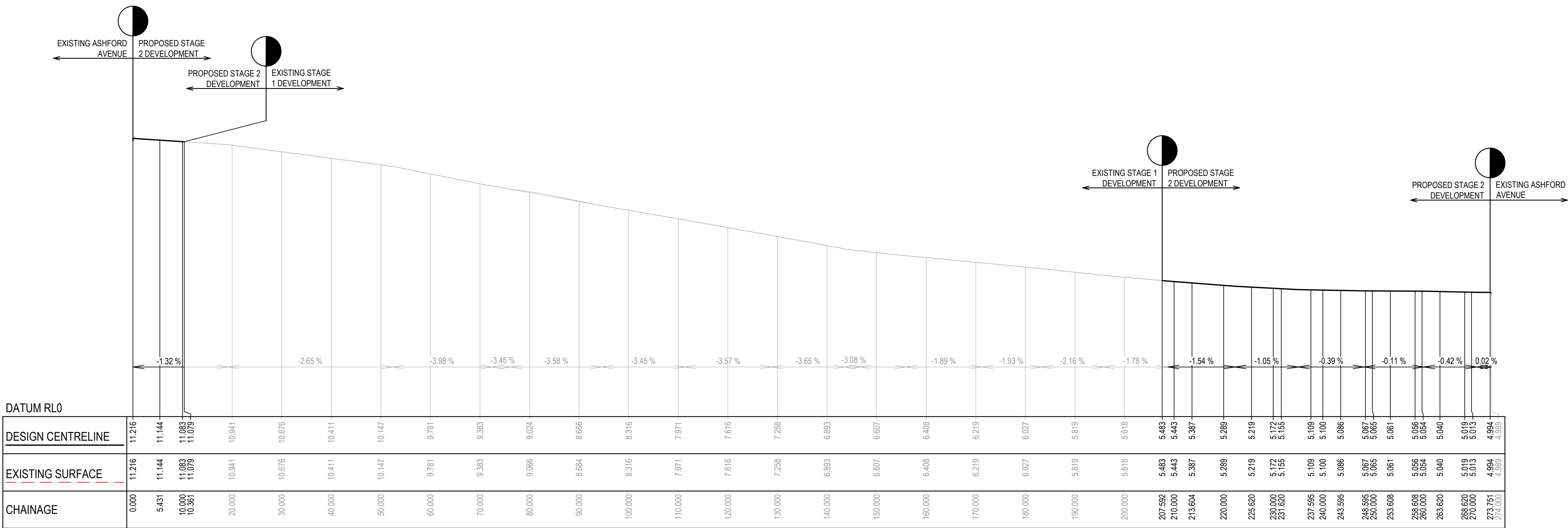
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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	ROAD 1 LONGITUDINAL SECTION

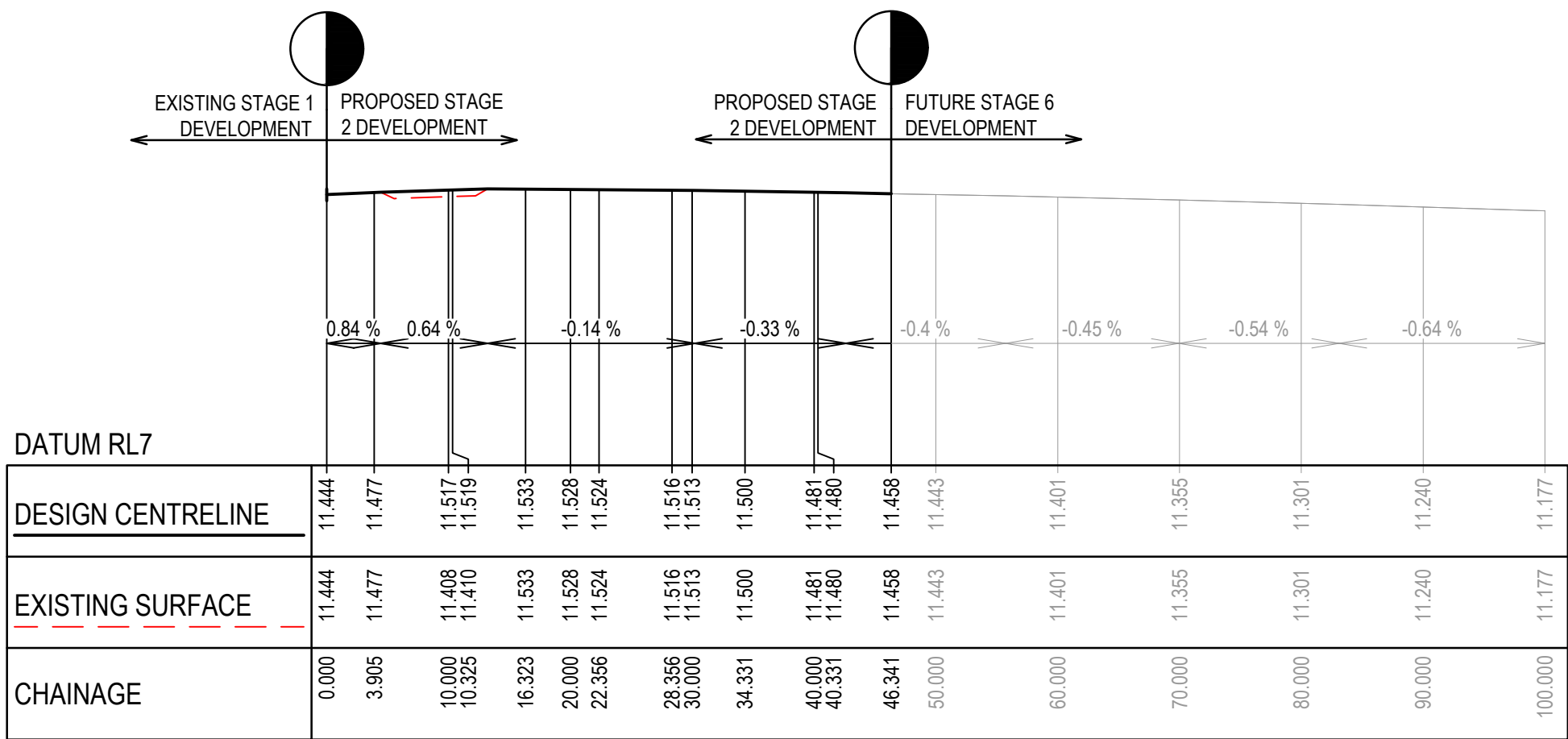
Sheet 07 of 18			
Scale			
1:500 H 1:100 V @ A1			
Project Number	Reference	Drawing No	Revision
2301879	307	100	A



ASHFORD AVENUE (SOUTH OF ROAD 1)- LONGITUDINAL SECTION

Scales: HORZ 1 : 500

VERT 1 : 100



ASHFORD AVENUE (NORTH OF ROAD 1) - LONGITUDINAL SECTION

Scales: HORZ 1 : 500

VERT 1 : 100

LEGEND

EXISTING SURFACE

DESIGN LINE

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B	UPDATED SOUTHERN LONG SECTION	09.10.24	B.R	S.F					
A	ISSUED FOR INFORMATION	17.09.24	B.R	S.F					



HORIZ 1:500

VERT 1:100

SCALE AT A1 SIZE

Designed	B.RAU
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Date	17.09.24
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Project Details

WSU MILPERRA, LOT 2 IN DP1291984
2 BULLECOURT AVE, MILPERRA
STAGE 2 SUBDIVISION

Drawing Title

ASHFORD AVENUE BACK OF KERB
LONGITUDINAL SECTIONS
(NORTH AND SOUTH OF ROAD 1)

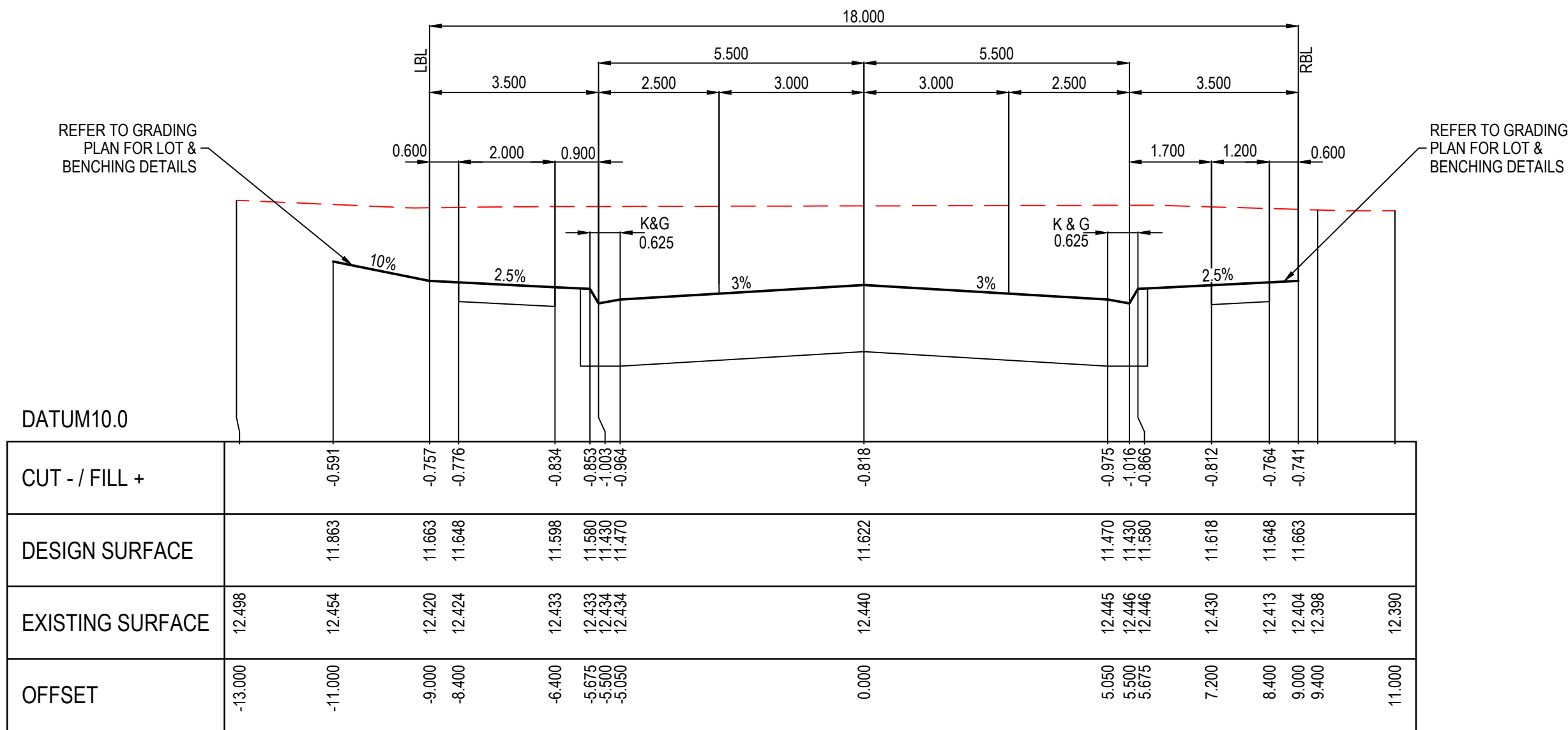
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Project Number	Reference	Drawing No	Revision
2301879	307	101	B

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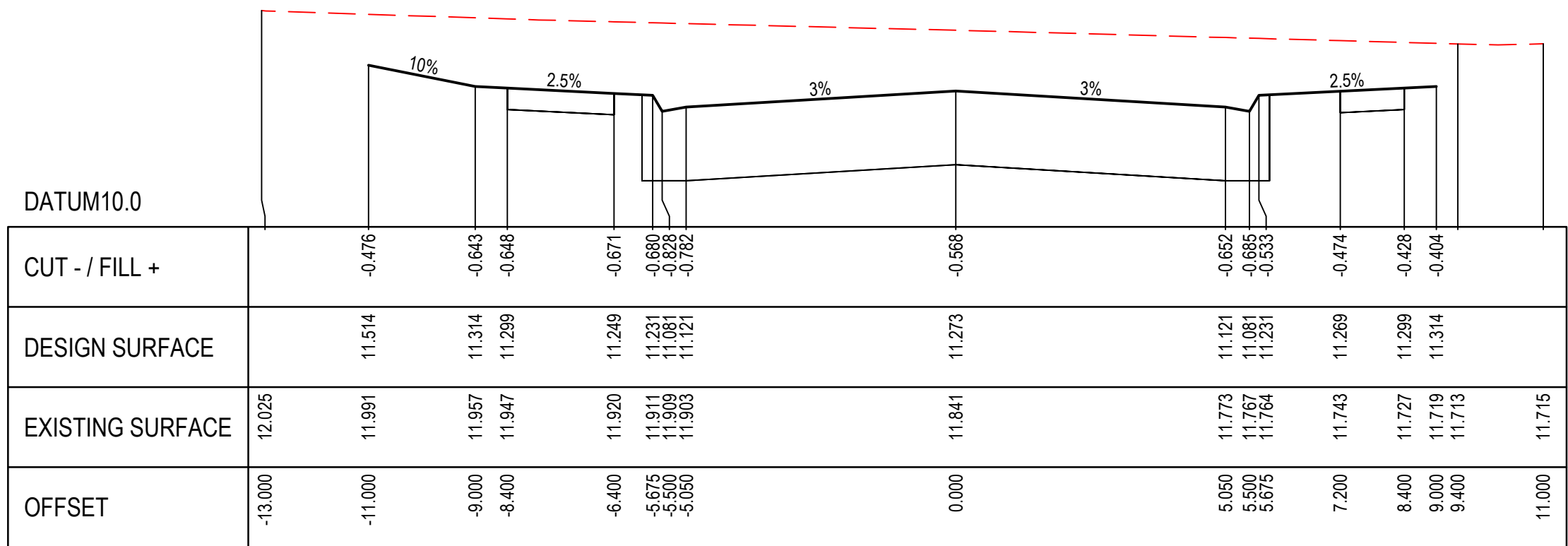
LEGEND

EXISTING SURFACE

DESIGN SURFACE



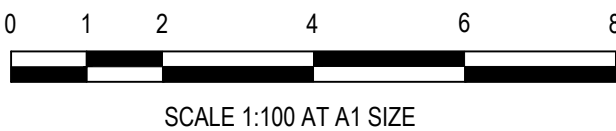
CH 35.967 - LIMIT OF WORKS



CH 18.445

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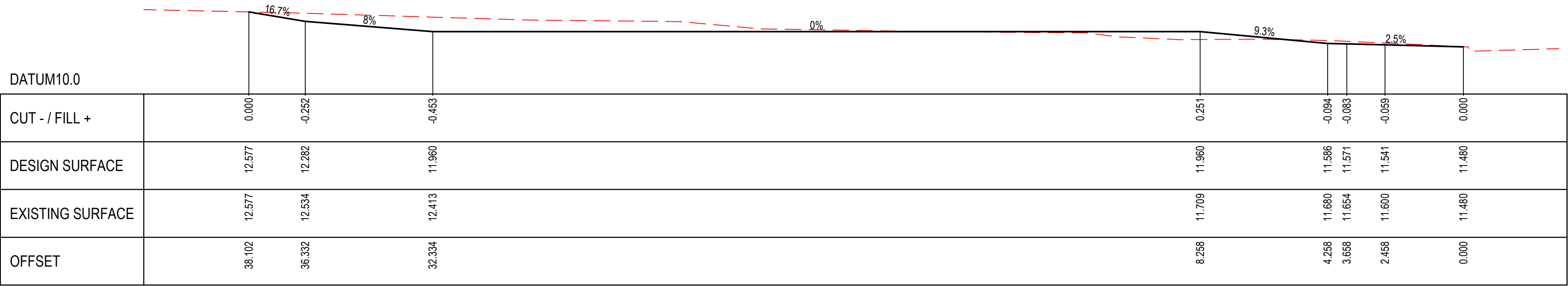
Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	ROAD 1 CROSS SECTIONS

Sheet	09 of 18
Scale	1:100 @ A1
Project Number	2301879
Reference	307
Drawing No	200
Revision	B

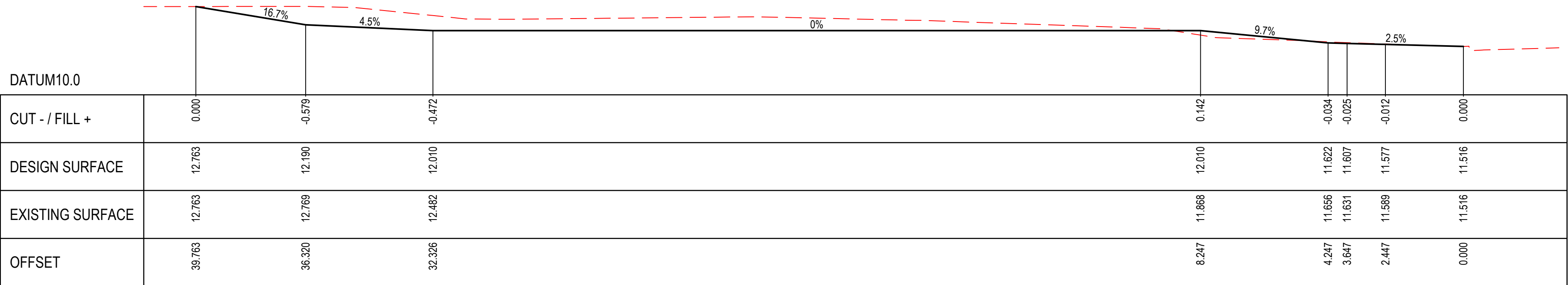
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EXISTING SURFACE

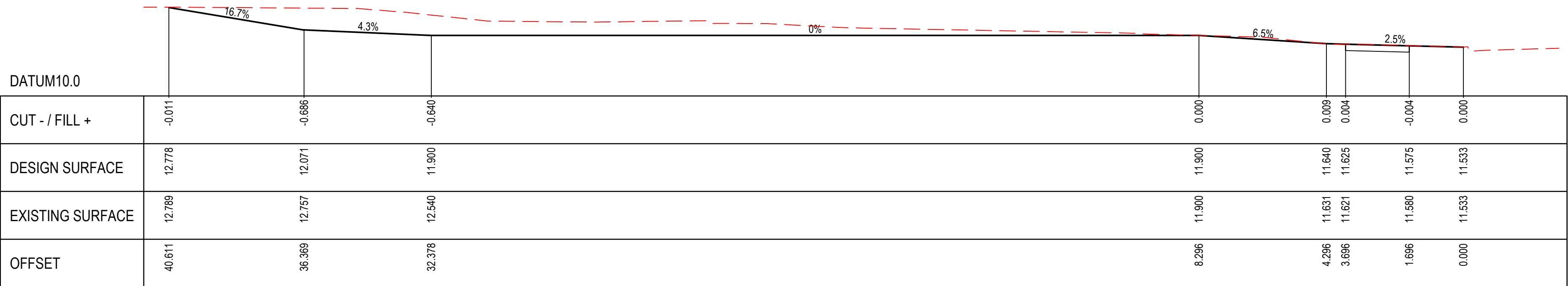
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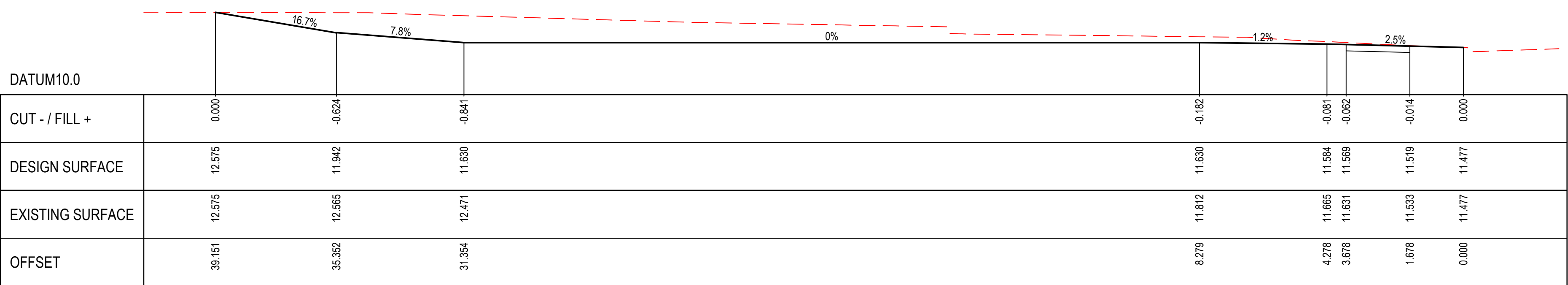
CH 40.331 - LOT 2007



CH 28.356 - LOT 2008



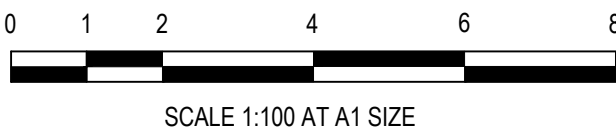
CH 16.323 - LOT 2009



CH 3.905 - LOT 2010

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Project Details

WSU MILPERRA, LOT 2 IN DP1291984
2 BULLECOURT AVE, MILPERRA
STAGE 2 SUBDIVISION

Drawing Title

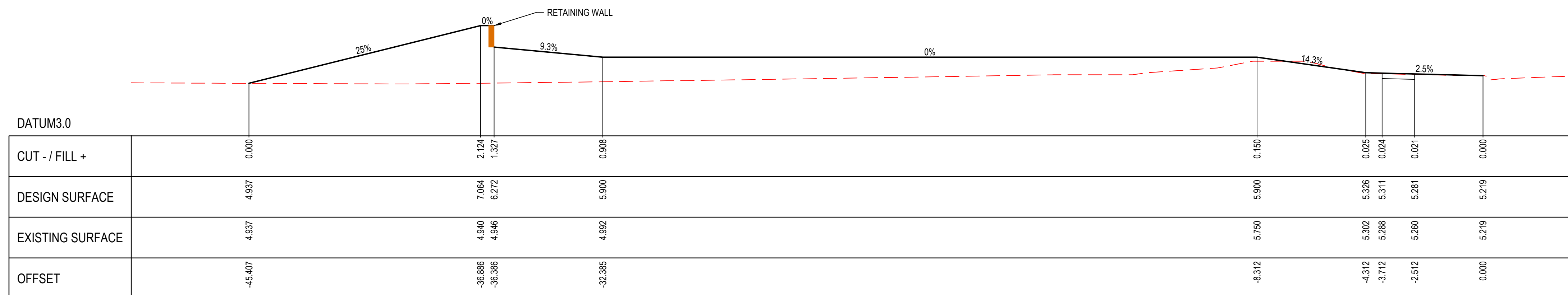
ASHFORD AVENUE (NORTH OF ROAD 1)
LOT CROSS SECTIONS

Sheet 10 of 18			
Scale 1:100 @ A1			
Project Number	Reference	Drawing No	Revision
2301879	307	201	A

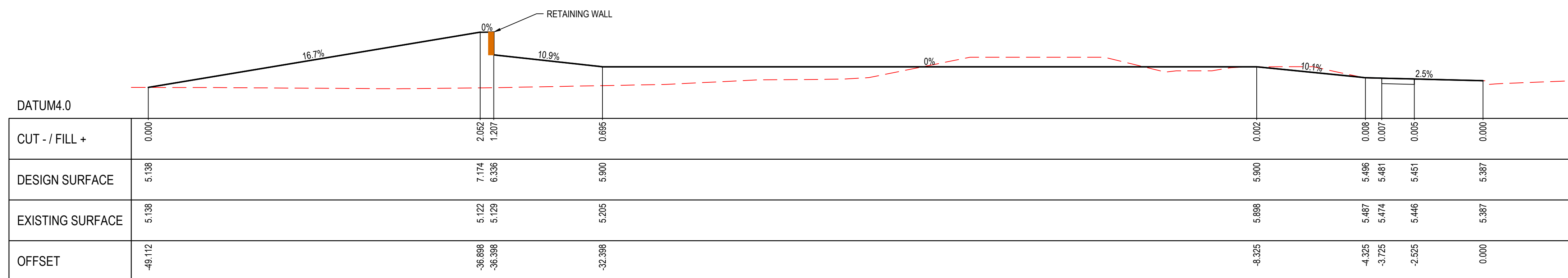
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----- EXISTING SURFACE

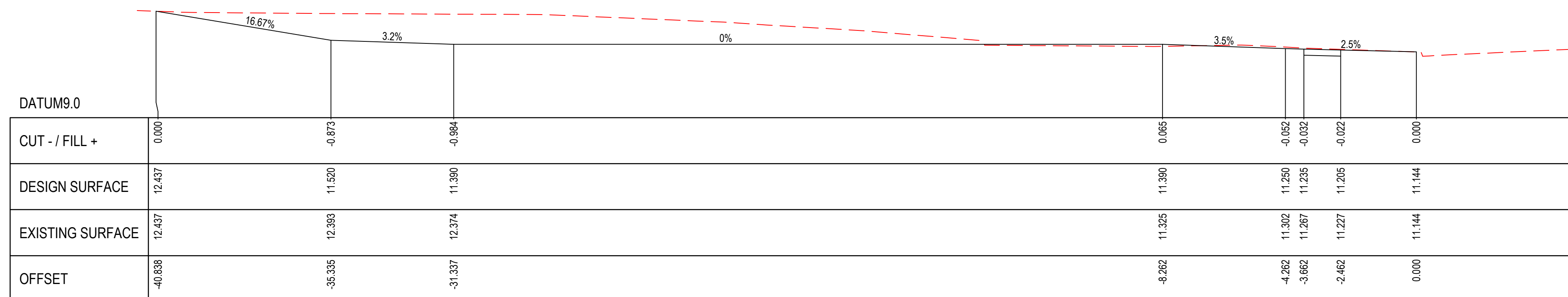
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CH 225.620 - LOT 2002



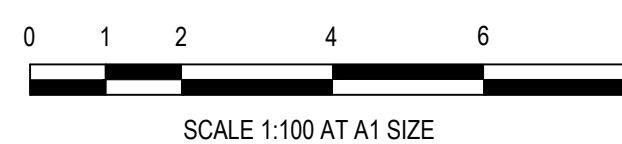
CH 213.604 - LOT 2001



CH 5.431 - LOT 2011

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Date	17.09.2017
DA Number	



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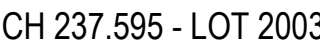
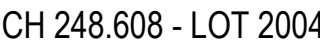
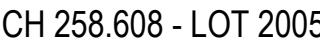
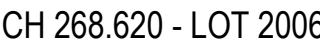
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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	ASHFORD AVENUE (SOUTH OF ROAD 1) LOT CROSS SECTIONS (SHEET 1 OF 2)

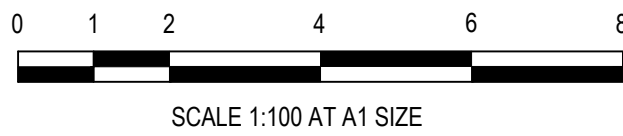
Sheet 11 of 18			
Scale 1:100 @ A1			
Project Number	Reference	Drawing No	Revision
2301879	307	202	A

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— — — — — EXISTING SURFACE
————— DESIGN SURFACE

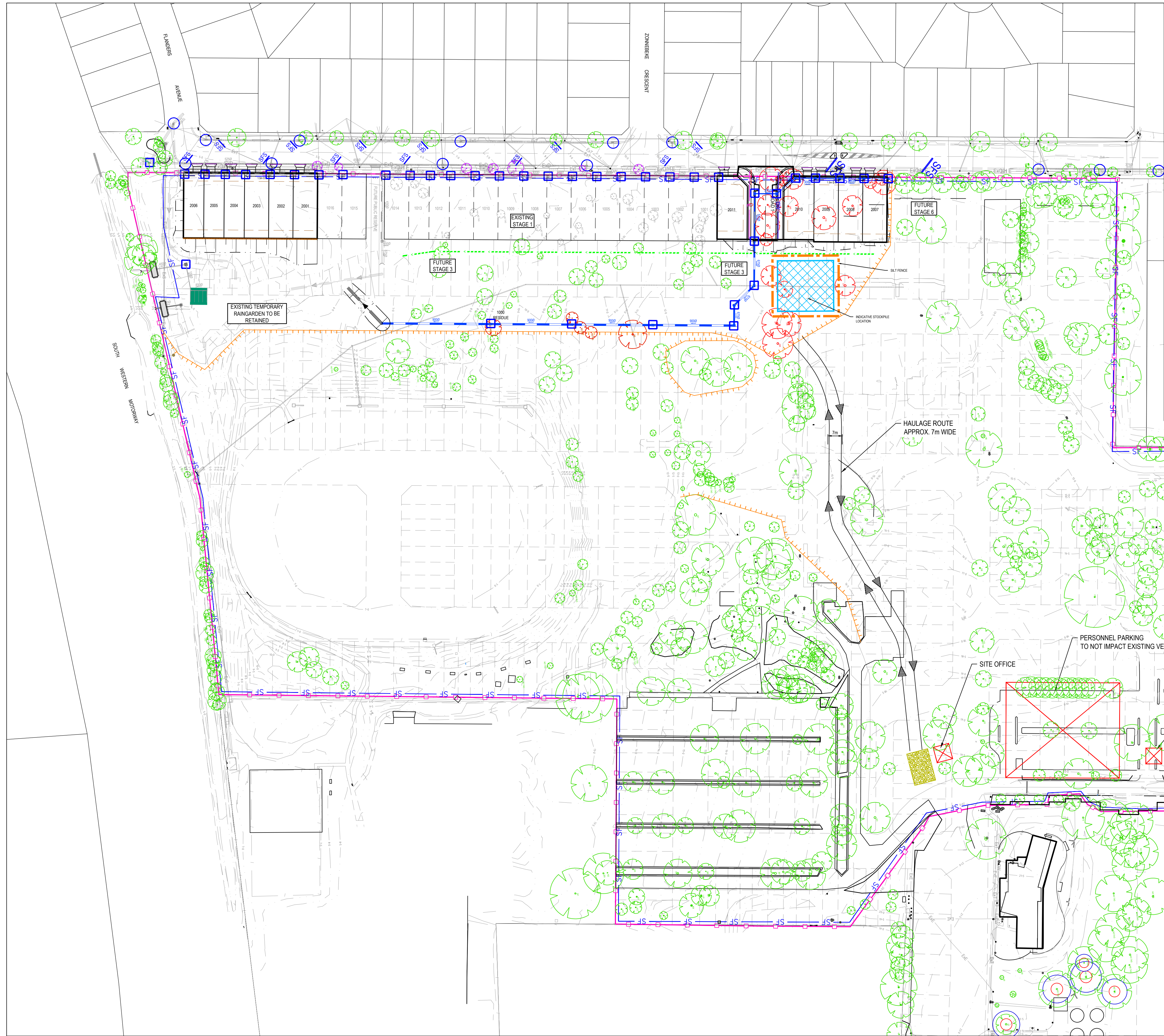


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Sheet 12 of 18			
Scale 1:100 @ A1			
Project Number	Reference	Drawing No	Revision
2301879	307	203	B



LEGEND

DENOTES EXISTING SURFACE CONTOURS

DENOTES PROPOSED DRAINAGE PIPE AND PIT

DENOTES GRAVEL KERB INLET SEDIMENT TRAP

DENOTES GEOTEXTILE FILTER AROUND GRATED SURFACE INLET PITS

DENOTES STABILISED ACCESS POINT

DENOTES NEW 1.8m HIGH TEMPORARY MANPROOF FENCE W/ SHADE CLOTH

DENOTES HI-VIS MESH FENCING TO LIMIT CONTRACTORS ACTIVITIES TO THE STAGE 2 LIMITS

DENOTES SAND OR AGGREGATE FILLED HESSIAN FILTER LAID ACROSS ROAD PAVEMENT TO TRAP LOCALISED SILT MATERIAL

DENOTES SEDIMENT FENCING

DENOTES STRAW BALE

DENOTES TEMPORARY MOUND TO DIVERT DIRTY WATER TO TEMPORARY SEDIMENT BASIN

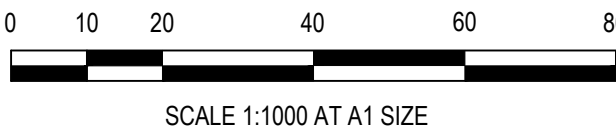
NOTE: ALL SOIL AND WATER MANAGEMENT DETAILS ARE NOTED ON SOIL AND WATER MANAGEMENT NOTES. SEDIMENT & MANPROOF FENCES ARE TO BE LOCATED WHOLLY WITHIN BOUNDARIES & HAVE BEEN SHOWN DIAGRAMMATICALLY. PROVIDE CONSTRUCTION SIGN & AMENITIES IN ACCORDANCE WITH CONDITIONS 59 & 60 OF THE DA.

NOTE: MEASURES PROPOSED IN THE PLAN ARE FOR GUIDANCE AND SUBJECT TO MODIFICATION TO SUIT CONTRACTORS METHODOLOGY

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
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REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
C	ADDITIONAL DETAILS	18.10.24	C.Y	S.G					
B	LOTS 2003-2006 SHIFTED SOUTH 2m	09.10.24	B.R	S.F					
A	ISSUED FOR INFORMATION	17.09.24	B.R	S.F					

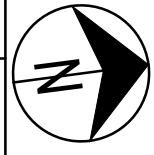


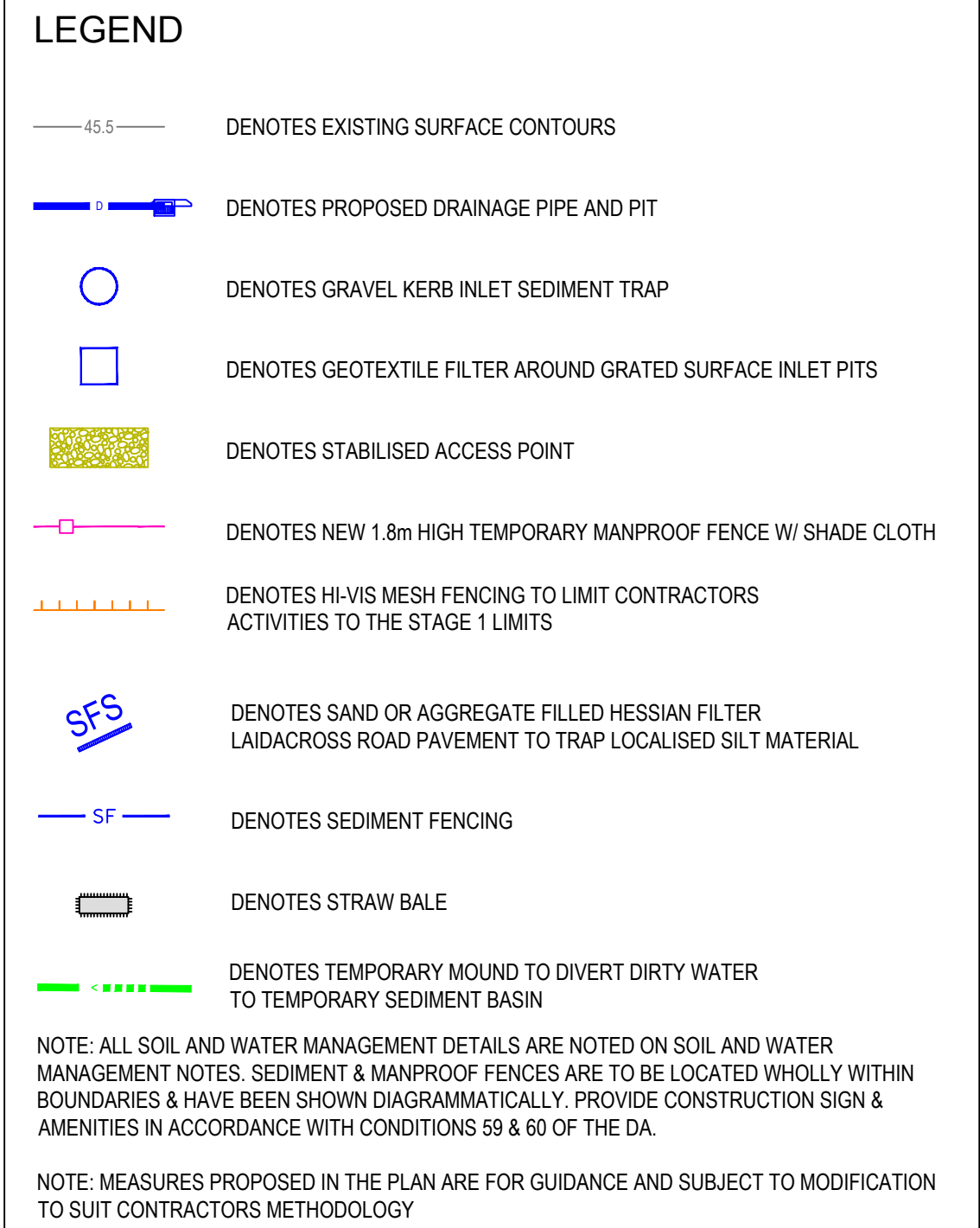
Designed	B.RAU
Date	17.09.24
Drawn	B.RAU
Approved	S.GRAY
Date	17.09.24
DA Number	-

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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	SOIL AND WATER MANAGEMENT PLAN OVERALL PLAN

Sheet	13 of 18
Scale	1:1000 @ A1
Project Number	2301879
Reference	307
Drawing No	400
Revision	C

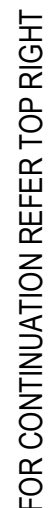




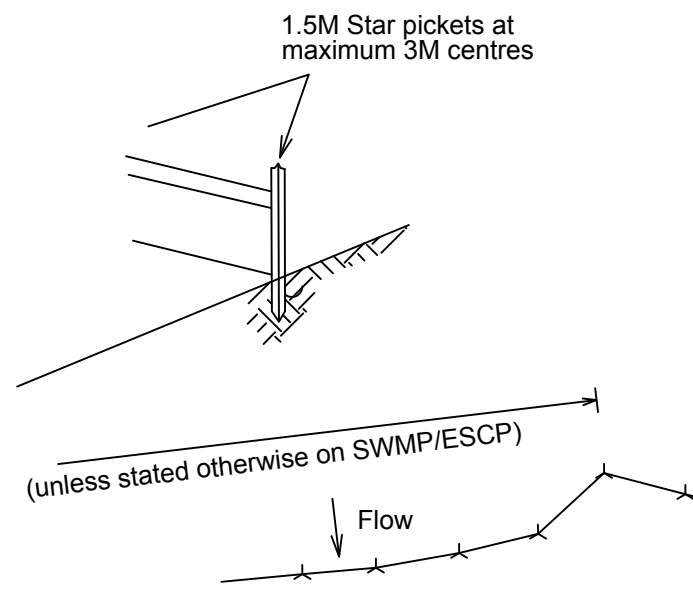
1. THE CONTRACTOR IS TO ENSURE STORMWATER RUNOFF IS DIRECTED TO THE SEDIMENT BASIN
WITH PLACEMENT OF TEMPORARY DIVERSION MOUNDS OR THE FORMATION OF OVERLAND FLOW PATHS.
2. DIVERSION MOUNDS & FLOW PATHS ARE TO BE ADJUSTED AS FILLING LAYERS PROGRESS & SURFACE LEVELS RISE.
3. SEDIMENT IS TO BE REMOVED SUCH THAT NOT LESS THAN 70% OF THE DESIGN CAPACITY IS AVAILABLE AT ALL TIMES MARKERS WITH
DEPTH INDICATORS ARE TO BE PLACED IN EACH BASIN TO INDICATE WHEN SEDIMENT ACCUMULATION EXCEEDS 30% OF STORAGE REQUIREMENTS.
4. BASINS ARE TO BE FLOCCULATED WITH GYPSUM WHEN SUSPENDED SOLID CONCENTRATION EXCEEDS *50 milligrams per litre*. SPREADING RATE TO BE DETERMINED AFTER TESTING AND ANALYSIS OF THE INITIAL STORM EVENT. FIRST APPLICATION IS TO BE *30 kilograms GYPSUM PER 100 cum*. OF STORED WATER & THEREAFTER AS DETERMINED BY TESTING. PUMP OUT TO GOLF COURSE DAM WITHIN 72 hrs OF TREATMENT. REFER LANDCOM SOIL & CONSTRUCTION - "MANAGING URBAN STORMWATER" MANUAL - APPENDIX E
6. UPON ADEQUATE SITE REVEGETATION & COUNCIL APPROVAL SEDIMENT BASIN IS TO BE DECOMMISSIONED & CONVERTED
INTO RAINGARDENS PER DESIGN.

FOLLOWING REMEDIATION OF THE AREA:

1. ALL TOPSOIL CONTAINING VEGETATION TO BE STRIPPED FROM EXISTING SURFACE & STOCKPILED FOR RESPREADING
- FOLLOWING COMPLETION OF EARTHWORKS. (APPROX. 75mm THICK)
2. STRIPPED SURFACE TO BE INSPECTED & CERTIFIED READY FOR FILL PLACEMENT BY GEOTECHNICAL ENGINEER.
3. COMPLETE INITIAL EARTHWORKS IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S REPORT
4. IMPORTED FILL TO BE CERTIFIED AS V.E.N.M. & FREE OF SLAG, HAZARDOUS, CONTAMINATED, TOXIC, PUTRESCIBLE OR RADIO-ACTIVE MATTER & INDUSTRIAL WASTE & BUILDING DEBRIS. THE ORIGIN OF FILL PROPOSED TO BE IMPORTED & THE ABOVE CERTIFICATION TO BE REVIEWED & APPROVED BY COUNCIL PRIOR TO ANY IMPORTED FILL ARRIVING ON SITE.
5. ALL FILL IS TO BE PLACED & COMPACTED IN ACCORDANCE WITH COUNCIL'S CONSTRUCTION SPECIFICATION.
6. ALL FILL TO BE PLACED UNDER LEVEL 1 GEOTECHNICAL SUPERVISION.
7. COPIES OF ALL FILL COMPACTION TESTS TO BE PROVIDED TO PRINCIPLE.
8. COMPLETE ALL ROAD, DRAINAGE, RETAINING WALL & SERVICES WORKS
9. 300mm WIDE, 150mm THICK TOPSOIL TO BE PLACED BEHIND KERBS & TURFED WITH KIKUYU TURF
10. FINAL TOPSOIL/ TURF & PATHWAYS WITHIN ASHFORD AVENUE VERGES TO BE BONDED WITH COUNCIL & COMPLETED BY BUILDERS FOLLOWING HOUSE CONSTRUCTION



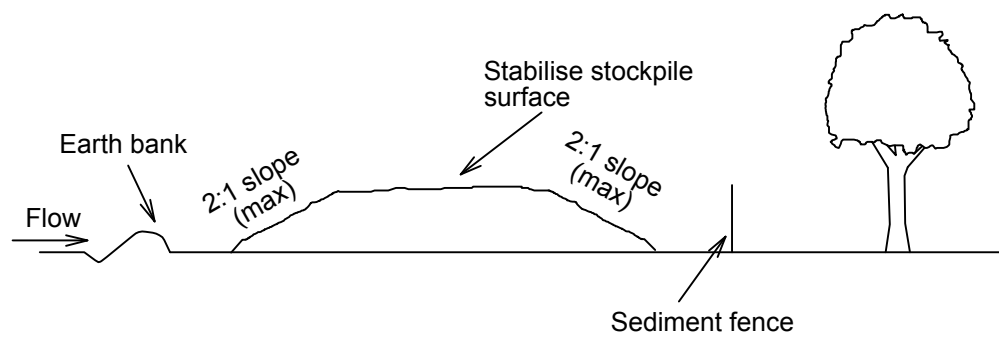
Soil loss (t/ha/yr)	96					
Soil Loss Class	1					See Table 4.2, page 4-13
Soil loss (m ³ /ha/yr)	73					Conversion to cubic metres
Sediment basin storage (soil) volume (m ³)	35					See Sections 6.3.4(i) for calculations
Sediment basin settling (water) volume (m ³)	193					See Sections 6.3.4(i) for calculations
Sediment basin total volume (m ³)	228					



Star pickets at maximum 3M spacings

1. Construct sediment fence as close as possible to parallel to the contours of the site
2. Drive 1.5 metre long star pickets into ground, 3 metres apart.
3. Dig a 150MM deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched
4. Dig a 150MM deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched
5. Fix self supporting geotextile to upslope side of posts with wire ties or as recommended by geotextile manufacturer
6. Join sections of fabric at a support post with a 150mm overlap

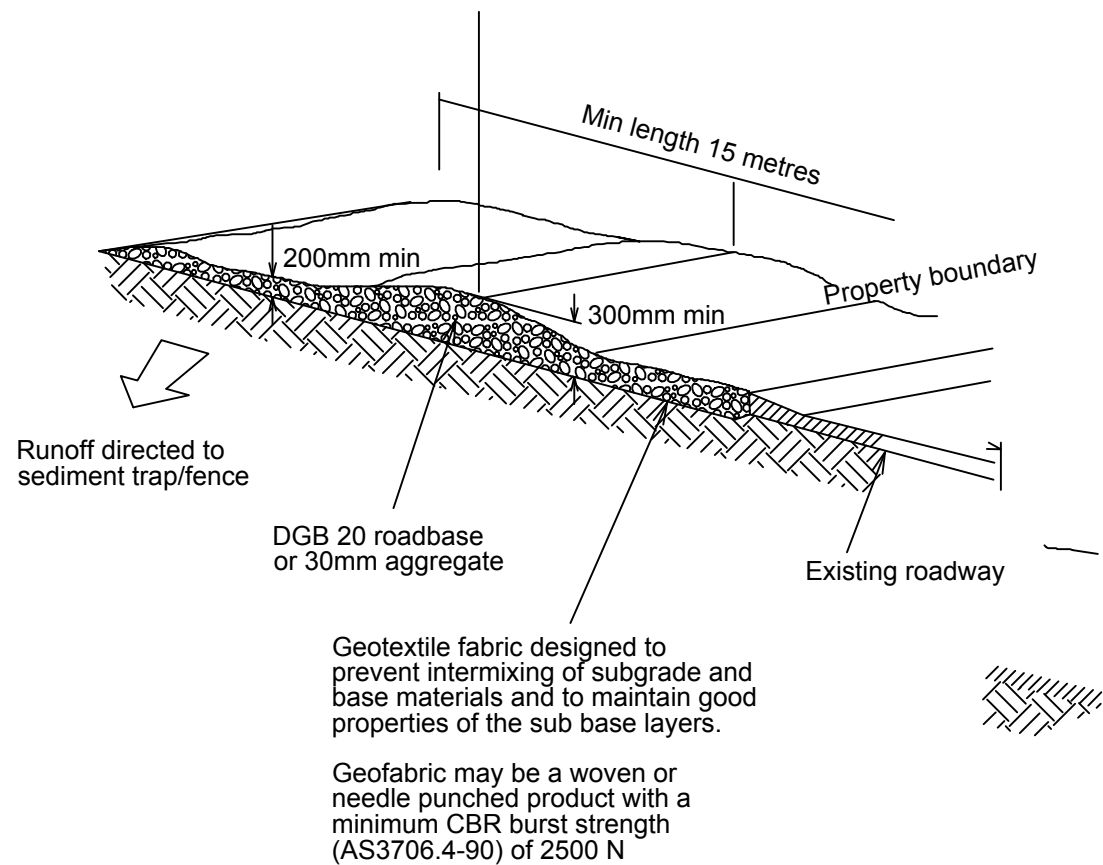
SEDIMENT FENCE



Construction Notes

1. Locate stockpile at least 5 metres from existing vegetation, concentrated water flows, roads and hazard areas.
2. Construct on the contour as a low, flat elongated mound.
3. All stockpiles shall be less than 2 metres in height
4. Rehabilitate in accordance with the SWMP/ESCP.
5. Construct earth bank (Standard Drawing 5-2) on the upslope side to divert run off around the stockpile and a sediment fence (standard Drawing 6-7) 1 to 2 metres downslope of stockpile.
6. Seeded areas to be watered twice weekly until established. Substantial growth required within 14 days or bitumen straw mulch to be placed.
7. Dust to be controlled by watering

STOCKPILES



Construction Notes

1. Strip topsoil and level site.
2. Compact subgrade
3. Cover area with needle punch geotextile.
4. Construct 200mm thick pad over geotextile using roadbase or 30mm aggregate. Minimum length 15 metres or to building alignment width 3 metres
5. Construct hump immediately within boundary to divert water to a sediment fence or other sediment trap.

STABILISED SITE ACCESS

NOTES

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE LANDCOM'S MANUAL "MANAGING URBAN STORMWATER" 4TH EDITION AUGUST 2004.

WORKS SHALL BE UNDERTAKEN AS OUTLINED ON PLANS EROSION AND SEDIMENT CONTROL MEASURES AFFECTED BY WORKS ARE TO BE RE-ESTABLISHED PRIOR TO THE COMPLETION OF EACH DAY'S WORK.

THE CONTRACTOR IS TO STABILISE ALL STOCKPILES AND DISTURBED AREAS AS SOON AS THEY ARE FORMED TO FINAL LEVELS. STABILISATION TO BE BY HYDROSEEDING / SPRAY GRASS, OR AS DIRECTED BY COUNCIL ENGINEER.

SEED MIXTURE FOR FOOTWAYS AND OTHER AREAS UNDER THE CONTROL OF COUNCIL ARE TO BE IN ACCORDANCE WITH COUNCIL'S SPECIFICATION. FOR OTHER AREAS, THE LIST OF PLANT SPECIES FOR TEMPORARY COVER IS:-

JAPANESE MILLET AND OATS(RYECORN) AT 25kg/ha EACH - SPRING/SUMMER
JAPANESE MILLET AT 10kg/ha AND OATS(RYECORN) AT 30kg/ha - AUTUMN/WINTER

ALL SEEDED AREAS ARE TO BE WATERED TWICE WEEKLY.

WHERE SURFACE SLOPES ARE MORE THAN 4H:1V BATTER THEY SHALL BE TURFED.

DUST CONTROL MEASURES SHALL BE IMPLEMENTED CONTINUOUSLY DURING CONSTRUCTION WORKS. SUCH MEASURES ARE TO BE TO THE SATISFACTION OF THE SUPERINTENDENT AND COUNCIL.

TOPSOIL SHALL BE RESPAID ON CONSTRUCTION AREAS AND STABILISED AS SOON AS POSSIBLE WITHIN 60 DAYS OF DISTURBANCE. ALL DISTURBED AREAS ARE TO BE LEFT WITH A SCARIFIED SURFACE AT ALL TIMES TO ENCOURAGE WATER INFILTRATION AND ASSIST WITH KEYING OF TOPSOIL.

FOLLOWING COMPLETION OF WORKS AND STABILISATION OF ALL DISTURBED SURFACES, ALL MATERIALS AND CONTROL MEASURES ARE TO BE REMOVED FROM SITE AND TEMPORARY BASINS FILLED, COMPACTED AND STABILISED.

ALL SITE ACCESS TO BE ACHIEVED FROM DESIGNATED SITE ACCESS. SITE ACCESS TO BE PROTECTED BY THE INSTALLATION OF AN APPROVED SHAKER RAMP. SHAKER RAMP TO BE REGULARLY MAINTAINED TO ENSURE EFFECTIVENESS.

UPON COMPLETION OF FINAL EARTHWORKS OR AFTER WRITTEN DIRECTION OF COUNCIL, IMMEDIATE SILT CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS.

ALL DISTURBED OVER ALL STORMWATER, POWER, TELEPHONE, GAS AND SEWER LINES NOT WITHIN STREETS IS TO BE SPRAY GRASSED AS SOON AS POSSIBLE BUT NO LATER THAN WITHIN 14 DAYS AFTER BACKFILL.

NO MORE THAN 150m OF TRENCH IS TO BE OPEN AT ANY ONE TIME. ALL TEMPORARY EARTH BERMS, DIVERSION AND SEDIMENT BASIN EMBANKMENTS ARE TO BE TRACK ROLLED, SEEDED OR MULCHED OR SPRAYED WITH BITUMEN AS SOON AS THEY HAVE BEEN FORMED.

ALL FILLS ARE TO BE LEFT WITH A WINDROW AT LEAST 20cm HIGH AT THE TOP OF THE SLOPE AT THE END OF EACH DAY'S EARTHWORKS AND ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO "SEAL" THE EARTHWORKS.

STABILISATION OF ALL CUT AND FILL SLOPES SHALL BE COMMENCED WITHIN 14 DAYS OF COMPLETION OF FORMATION.

THE CONTRACTOR SHALL MAINTAIN AND PRODUCE ON REQUEST A LOGBOOK ON SITE DETAILING THE FOLLOWING:-

- RECORDS OF ALL RAINFALL
- DAILY CONDITION OF ALL EROSION AND SEDIMENT CONTROL MEASURES
- ANY APPLICATION OF FLOCCULATION AGENTS TO BASINS
- VOLUMES OF WATER DISCHARGED FROM BASINS
- METHOD OF DISPOSAL OF WATER FROM BASINS
- ANY ADDITIONAL REMEDIAL WORKS REQUIRED.

THE ORIGINAL LOGBOOK SHALL BE ISSUED TO THE PROJECT MANAGER ON COMPLETION OF THE WORKS. SEDIMENT CONTROL MEASURES TO BE MONITORED ONCE A WEEK AND AFTER EVERY STORM EVENT.

STOCKPILES TO BE MAX 2 METRE HIGH WITH SEDIMENT FENCING TO LOW SIDE LOCATED CLEAR OF WATERCOURSES

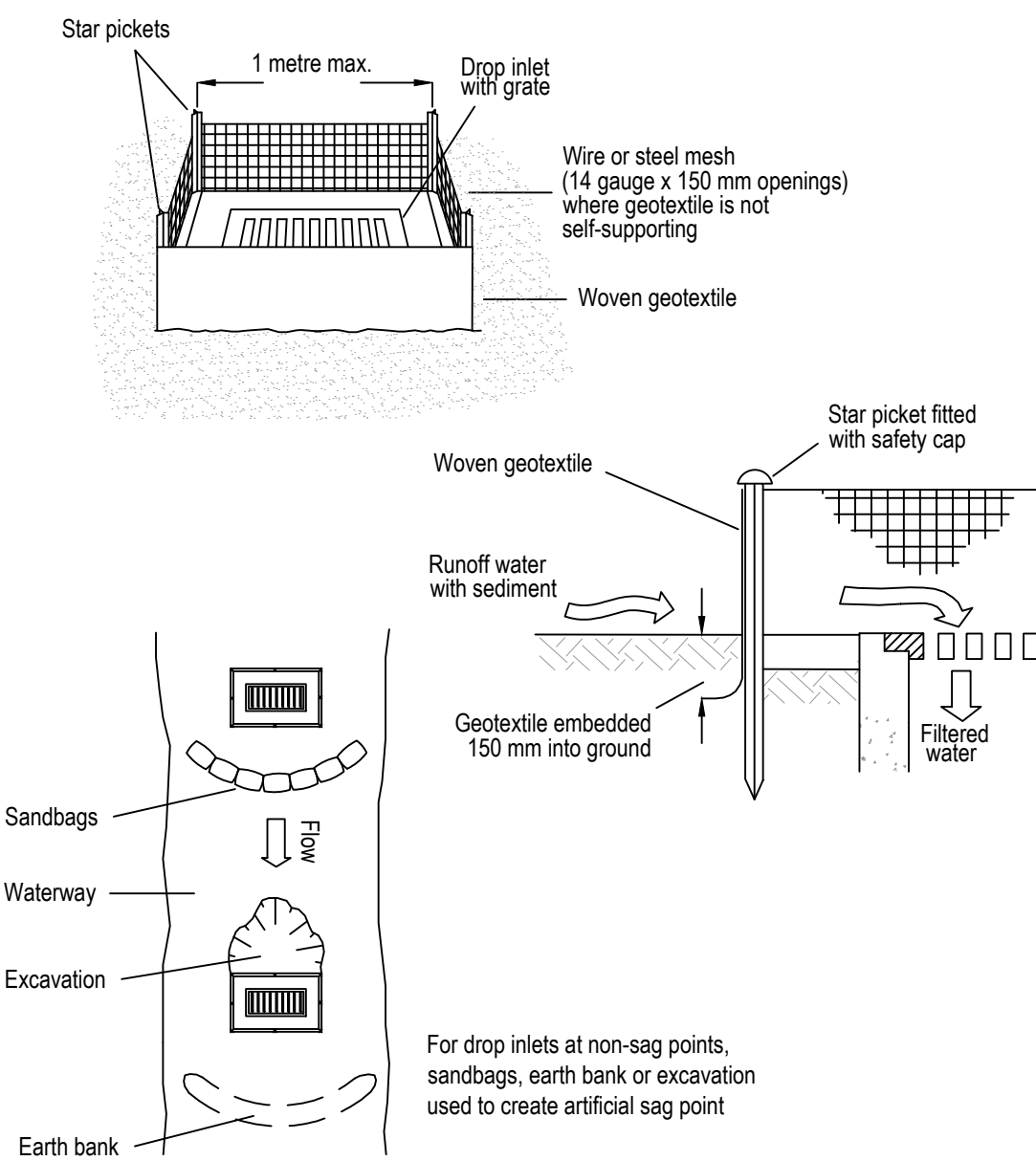
ALL STORMWATER PITS TO BE BLOCKED DURING CONSTRUCTION UNTIL SITE STABILISED.

DURING CONSTRUCTION WORKS ANY WORK AND STORAGE AREAS WHERE SPILLAGE MAY OCCUR MUST BE BUNDED. THE SIZE OF THE AREA TO BE BUNDED AND HEIGHT OF THE BUND WALLS MUST BE CALCULATED AS BEING EQUAL TO 110% OF THE TOTAL VOLUME STORED OR EQUAL TO THE LARGEST STORAGE CONTAINER, WHICH EVER IS GREATER. ALL PIPE WORK EXTENDING FROM THE BUNDED AREA MUST BE DIRECTED OVER THE BUND WALL AND HOSE COUPLINGS MUST BE PLACED SUCH THAT LEAKS AND SPILLAGE'S ARE CONTAINED. THE AREAS MUST BE GRADED TO A PIT/SUMP TO FACILITATE EMPTYING.

ANY IMPORTED FILL USED MUST BE VALIDATED & SUITABLE & FREE OF SALINE & CONTAMINATION

SEDIMENT & EROSION CONTROL

- SE1. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO DISTURBANCE OF THE WORK AREA & TO BE CARRIED OUT IN ACCORDANCE WITH LANDCOM'S "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION" VOLUME 1.
- SE2. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES BEFORE MORE THAN 60% OF THEIR CAPACITY IS LOST. ALL THE SILT REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT. NO SILT IS TO BE PLACED OUTSIDE THE LIMIT OF WORKS. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND LONGER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
- SE3. VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS.
- SE4. WHEN ANY DEVICES ARE TO BE HANDED OVER TO COUNCIL, THEY SHALL BE IN A CLEAN & STABLE CONDITION.
- SE5. THE CONTRACTOR SHALL MAINTAIN ALL REVEGETATED AREAS INCLUDING WATERING UNTIL FINAL COMPLETION OF WORKS.
- SE6. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL UNTIL FINAL COMPLETION OF WORKS.
- SE7. THE CONTRACTOR'S RESPONSIBILITY IS TO ENSURE ALL NECESSARY MEASURES SO AS TO PROTECT ALL DISTURBED AREAS AS PER NOTE SE1. ALL ADDITIONAL COSTS ARE TO BE REFLECTED IN TENDER PRICE EVEN IF SUCH MEASURES ARE NOT INDICATED ON THE SEDIMENT AND EROSION CONTROL PLAN.
- SE8. THE CONTRACTOR MUST COMMENCE REHABILITATION WITHIN 5 DAYS OF ANY SITE REGRADING & BATTER FORMATION.
- SE9. A 0.3m WIDE STRIP OF TURF TO BE PLACED BEHIND THE EXISTING KERB IN ASHFORD AVENUE.
- SE10. PROVIDE TURF AROUND ALL SURFACE INLET PITS IN ADDITION TO THE GEOTEXTILE INLET FILTER.
- SE11. STOCKPILES TO BE STABILISED WITHIN 14 DAYS OF COMPLETING THE STOCKPILE.

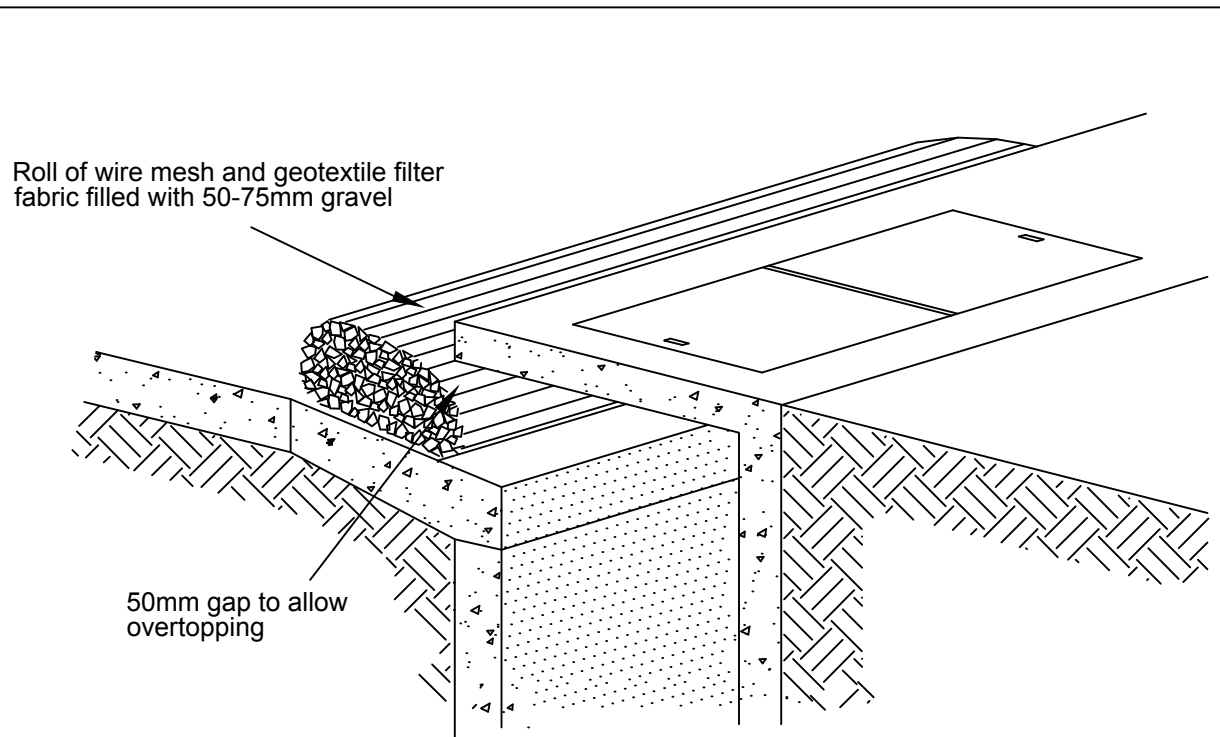


GEOTEXTILE INLET FILTER (SD 6-12)

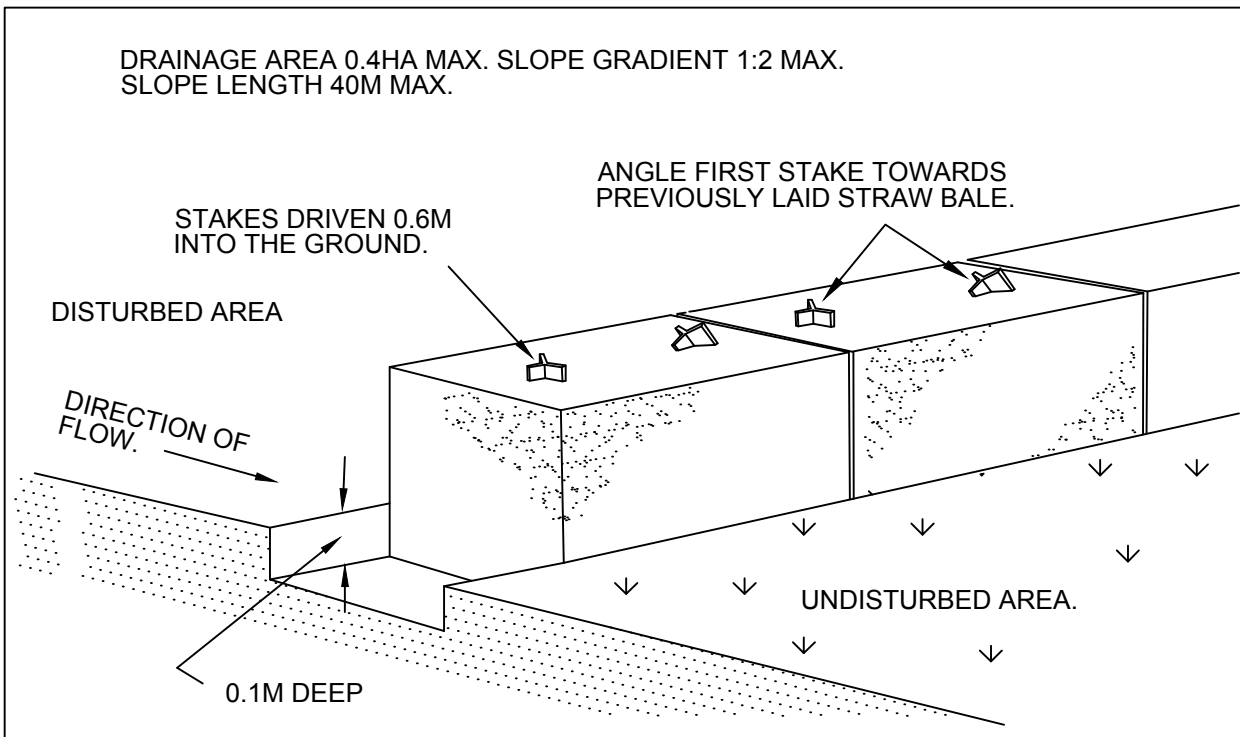
NTS

Construction Notes

1. Fabricate a sediment barrier made from geotextile or straw bales.
2. Follow Standard Drawing 6-7 and Standard Drawing 6-8 for installation procedures for the straw bales or geofabric. Reduce the picket spacing to 1 metre centres.
3. In waterways, artificial sag points can be created with sandbags or earth banks as shown in the drawing.
4. Do not cover the inlet with geotextile unless the design is adequate to allow for all waters to bypass it.



Portable Gravel Kerb Inlet
Sediment Trap



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B	LOTS 2003-2006 SHIFTED SOUTH 2m	09.10.24	B.R	S.F					
A	ISSUED FOR INFORMATION	17.09.24	B.R	S.F					



Designed	B.RAU
Date	17.09.24
Drawn	B.RAU
Approved	S.GRAY
Date	17.09.24
DA Number	-

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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	SOIL AND WATER MANAGEMENT PLAN DETAILS AND NOTES

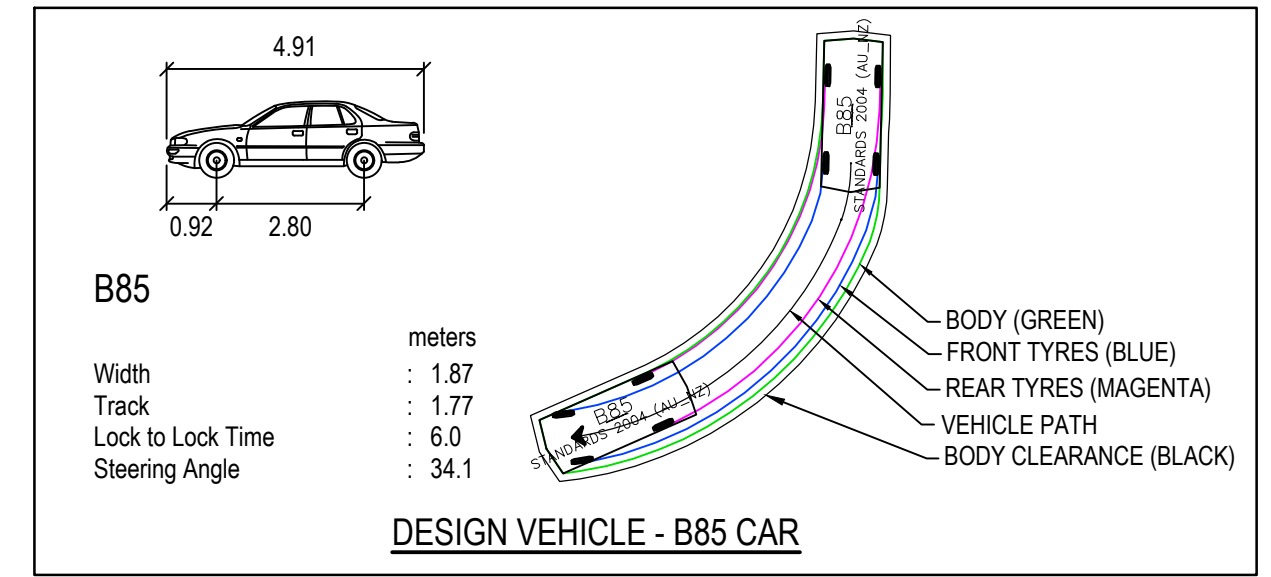
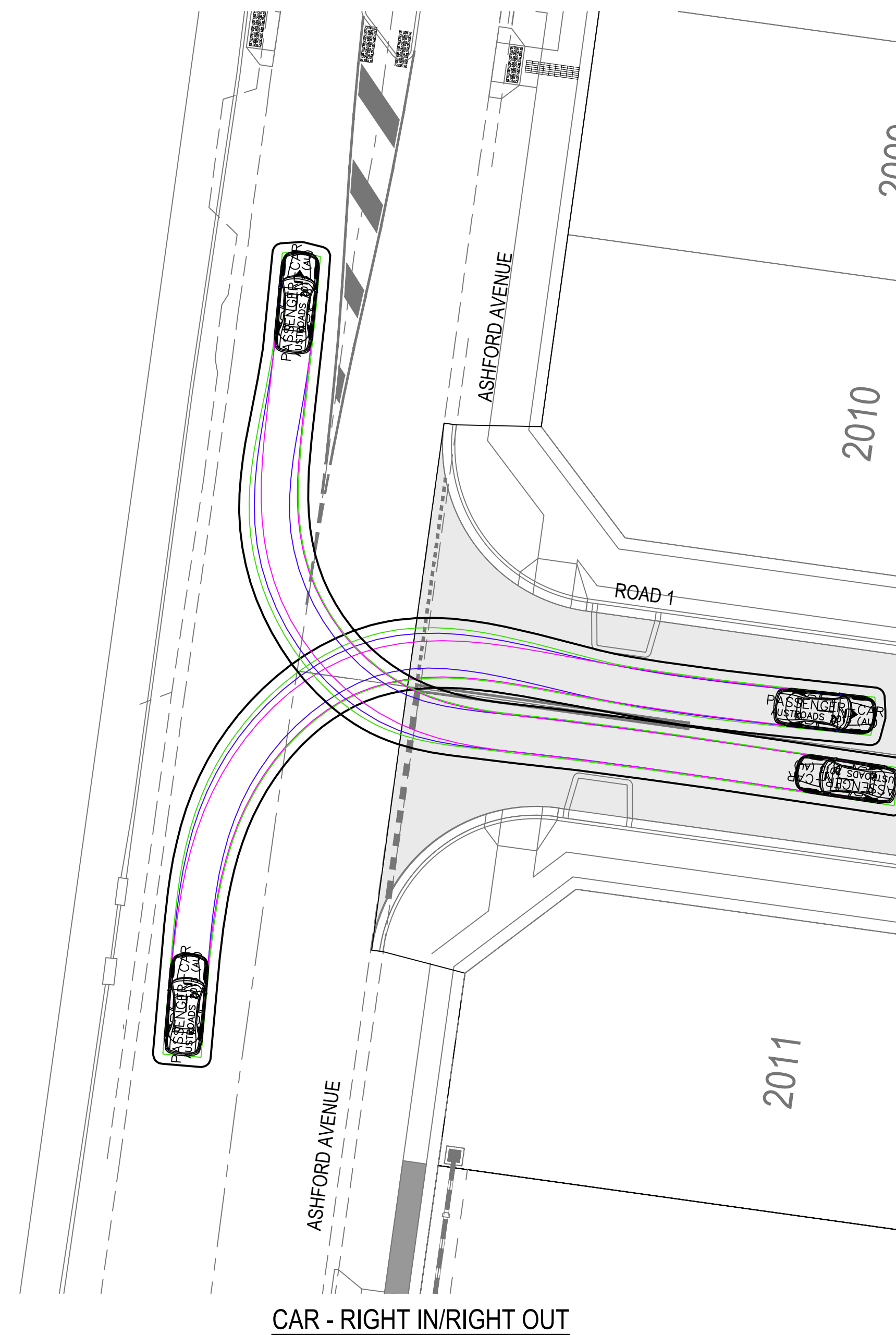
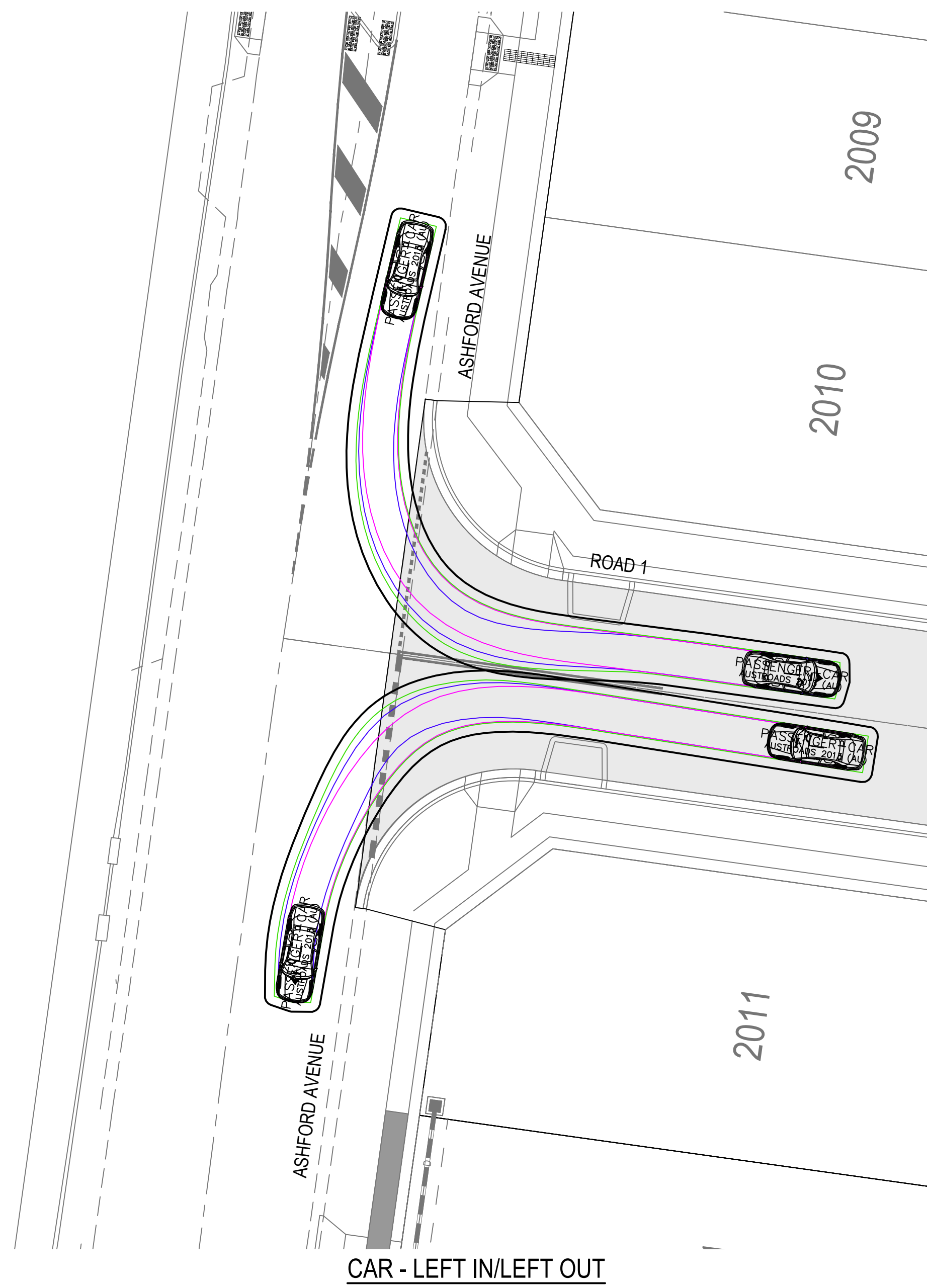
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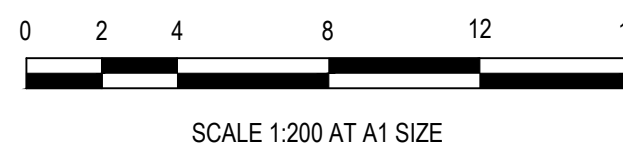
Sheet 15 of 18

Scale
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2301879	307	402	B



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Date	17.09.24
Drawn	B.RAU
Approved	S.GRAY
Date	17.09.24
DIA Number	-

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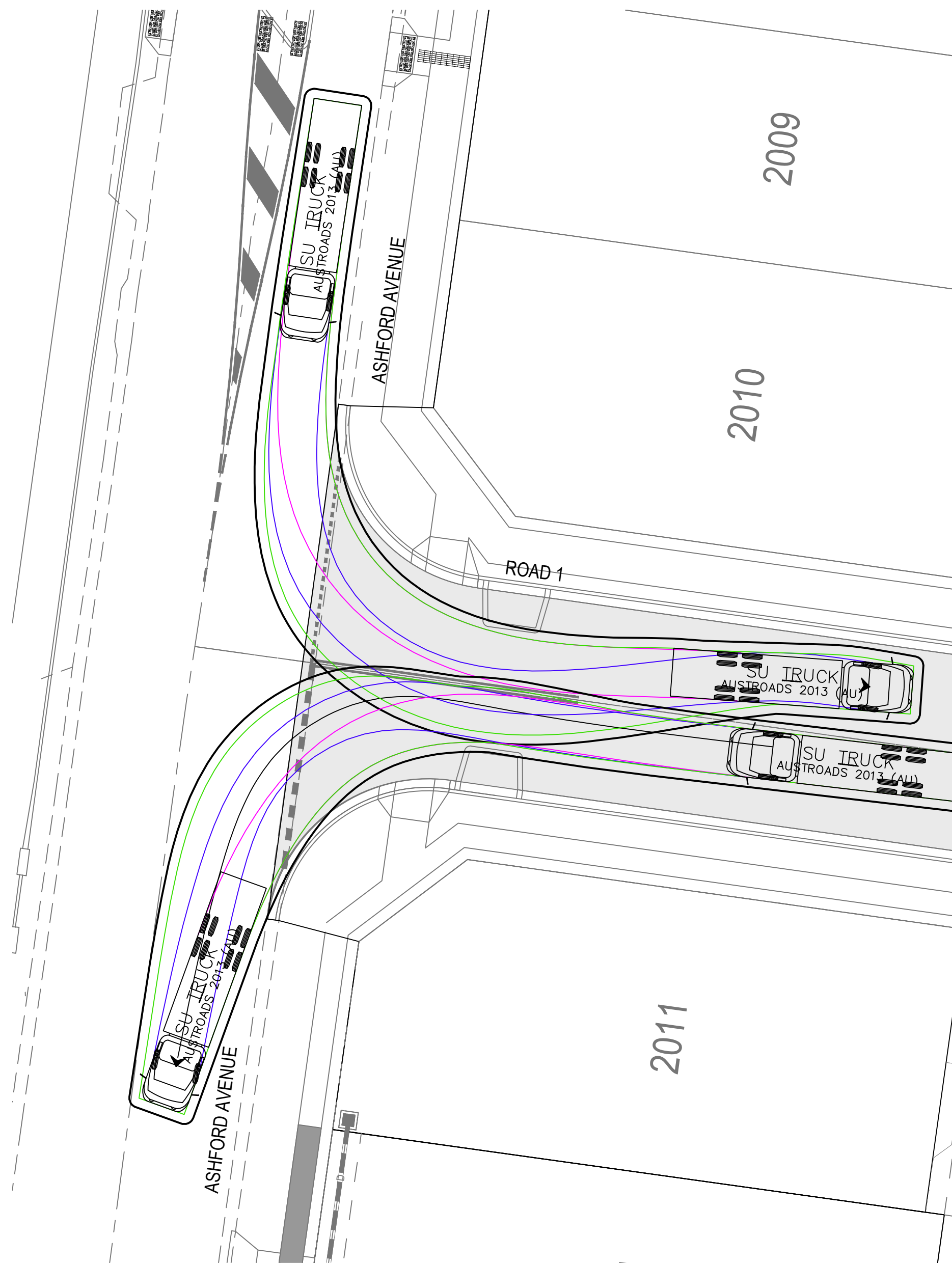
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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	TURNING MOVEMENTS CAR (SHEET 1 OF 2)

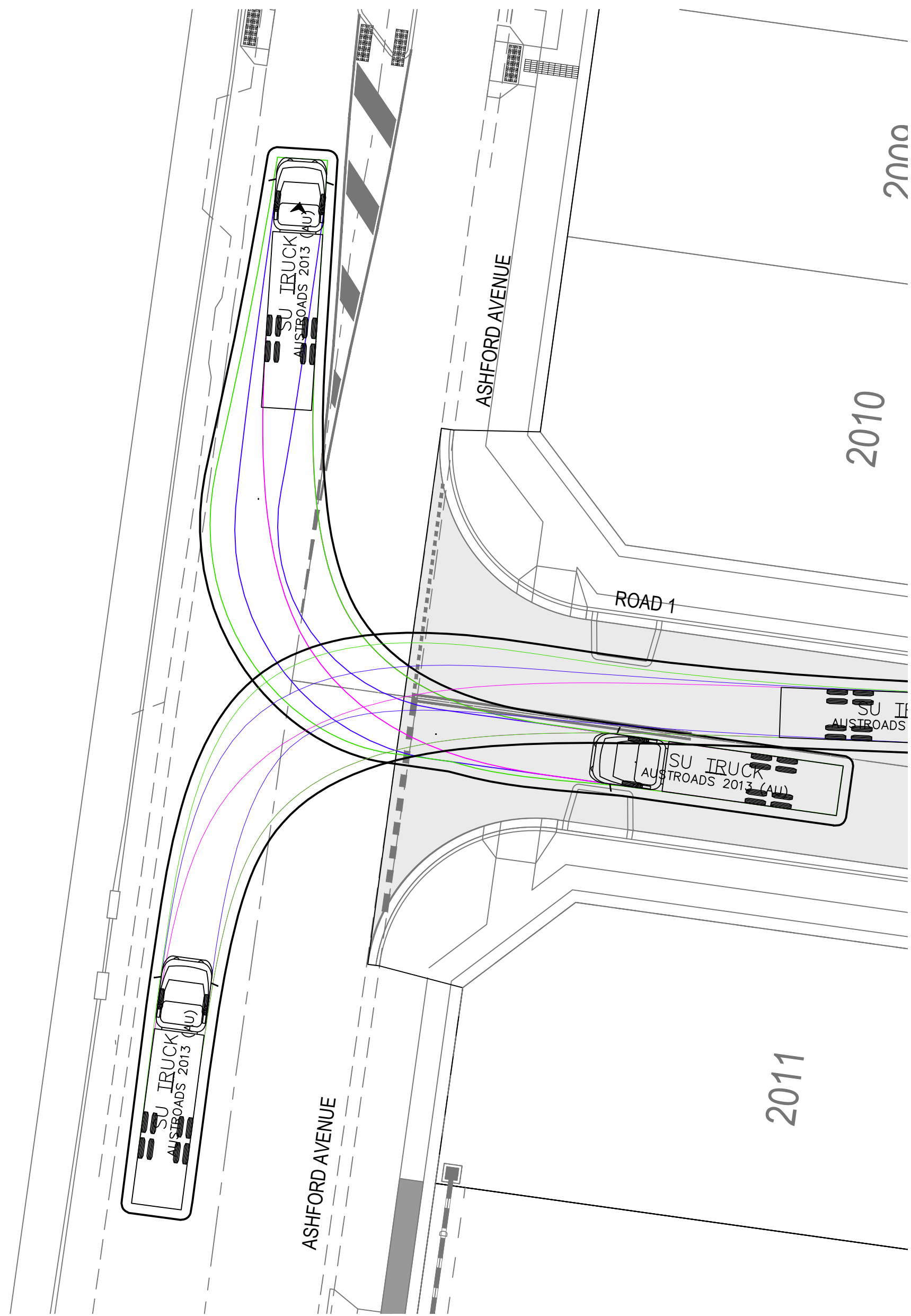
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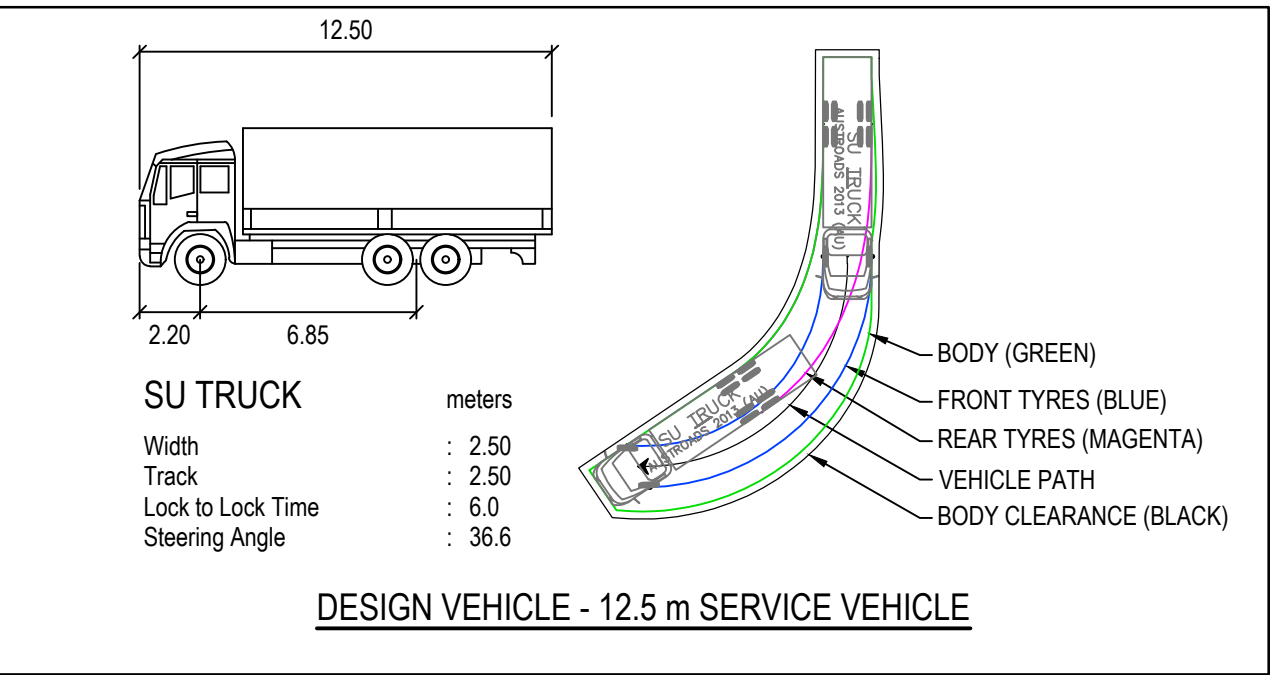




TRUCK - LEFT IN/LEFT OUT

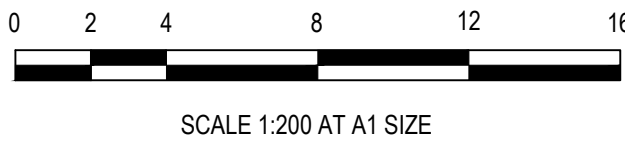


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B	MINOR AMENDMENTS	09.10.24	B.R	S.F					
A	ISSUED FOR INFORMATION	17.09.24	B.R	S.F					



Designed	B.RAU
Date	17.09.24
Drawn	B.RAU
Approved	S.GRAY
Date	17.09.24
DIA Number	-

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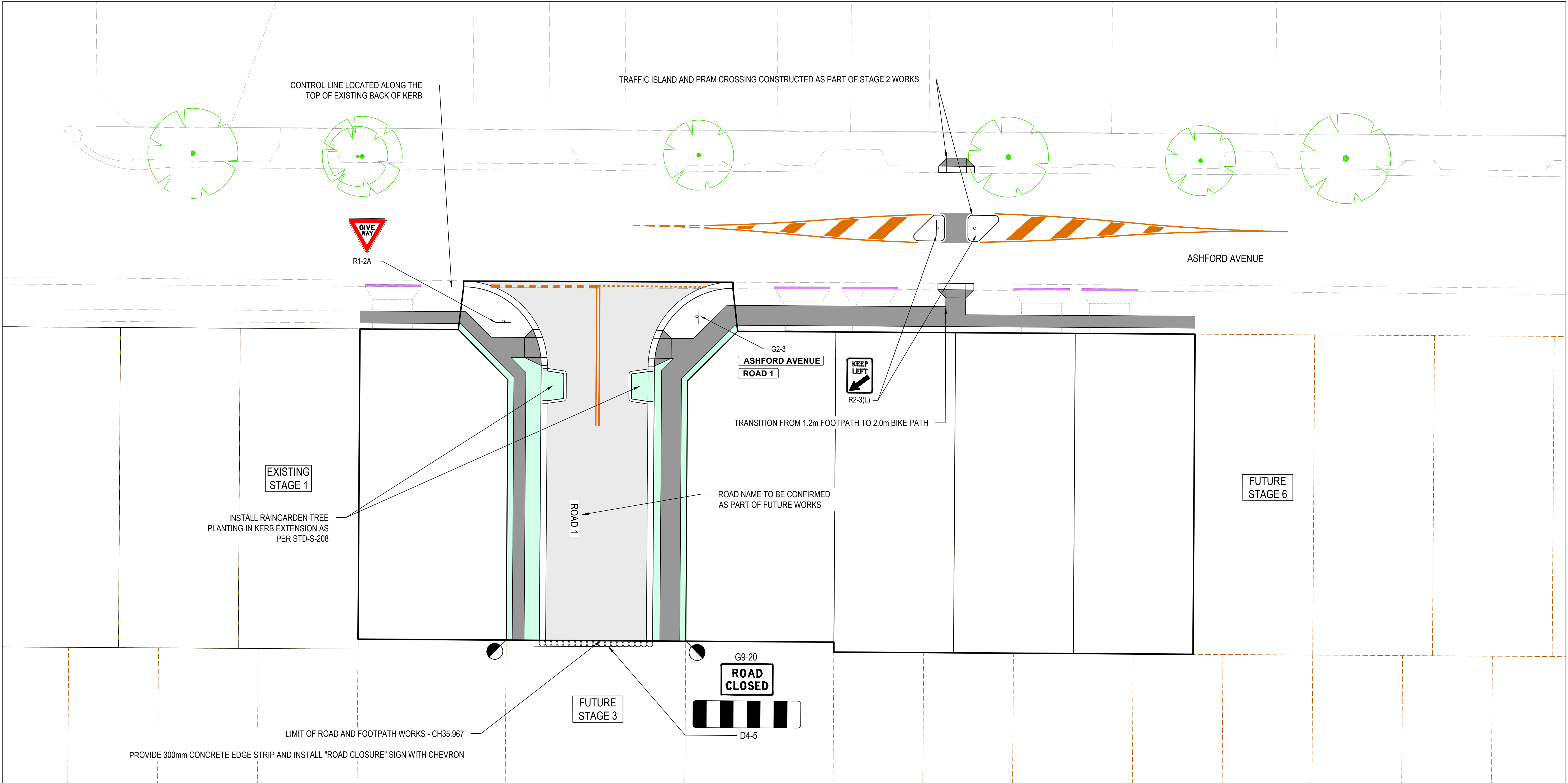
Development & Infrastructure Consultants

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www.beveridgewilliams.com.au

Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	TURNING MOVEMENTS SERVICE VEHICLE (SHEET 2 OF 2)

ISSUED FOR D.A			
Sheet	17 of 18		
Scale	1:200 @ A1		
Project Number	Reference	Drawing No	Revision
2301879	307	801	B

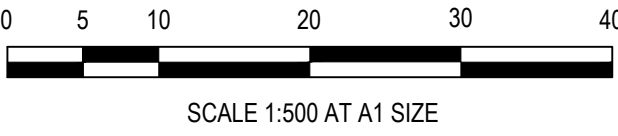


- NOTES
1. LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 2. LINEMARKING IN ACCORDANCE WITH AS1742.
 3. ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
 4. ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.

WARNING
BEWARE OF UNDERGROUND SERVICES
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No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
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REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.



Designed	B.RAU
Date	08.10.24
Drawn	B.RAU
Approved	S. GRAY
Date	08.10.24
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Project Details	WSU MILPERRA, LOT 2 IN DP1291984 2 BULLECOURT AVE, MILPERRA STAGE 2 SUBDIVISION
Drawing Title	SINAGE & LINE MARKING PLAN

Sheet	18 of 18
Scale	1:500 @ A1
Project Number	2301879
Reference	307
Drawing No	900
Revision	A

