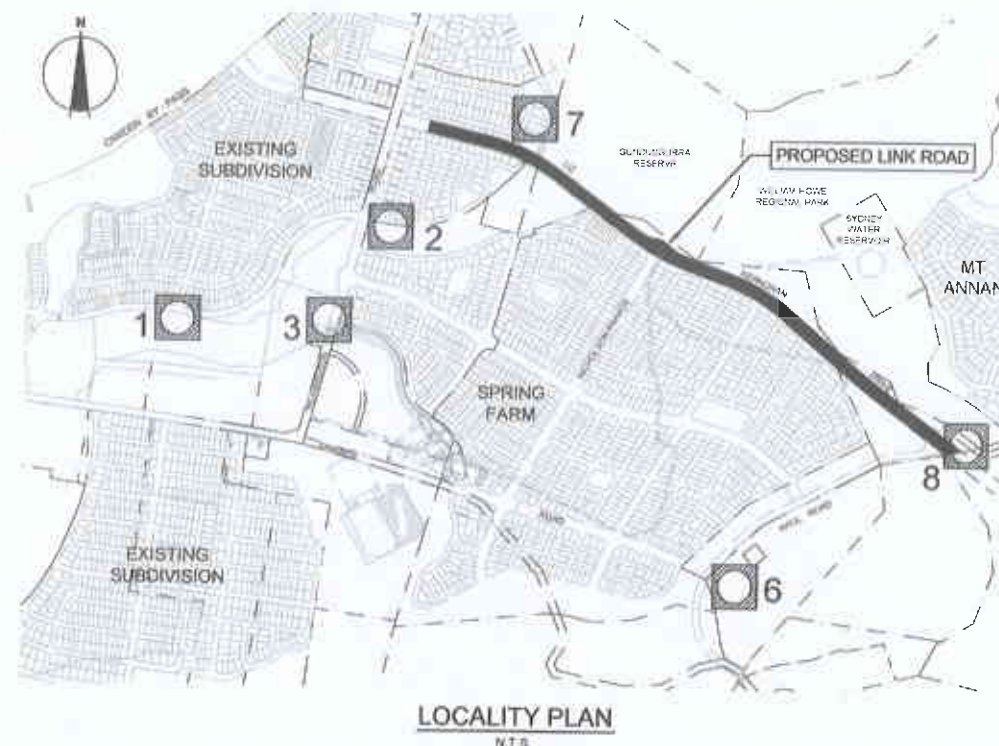


SPRING FARM

LIZ KERNOHAN DRIVE

ARTERIAL ROAD CONCEPT DESIGN - RICHARDSON ROAD TO HAUL ROAD

PROPOSED STAGES 1, 2, 3 & 4



SURVEY CONTROL

POINT No	EASTING	NORTHING	REDUCED LEVEL	REMARKS
1	290122 371	6228043 755	85 590	SSM 171455
2	290702 832	6228201 449	92 450	SSM 160359
3	290548 151	6228040 095	88 199	SSM 168937
6	291668 463	6227325 838	111 094	SSM 103826
7	291078 630	6228621 485	111 053	SSM 159534
8	292282 682	6227703 434	140 7030	PM53547

NOTE: CO-ORDINATES ARE MGA (GROUND)

LEGEND:

- SURVEY CONTROL MARK
- PROPOSED STAGE 1
- PROPOSED STAGE 1 BULK EARTHWORKS
- PROPOSED STAGE 2
- PROPOSED STAGE 3
- PROPOSED STAGE 4
- EXISTING STAGE (BY OTHERS)



REVISION	DATE	BY	CHKD	APPD
C STAGING AMENDED AT COUNCIL'S REQUEST	20/11/12	PS/MN	NW	
B STAGING AMENDED AT COUNCIL'S REQUEST	27/08/12	PS/MN	NW	
A STAGING AMENDED AT COUNCIL'S REQUEST	13/08/12	PS/MN	NW	
- INITIAL ISSUE	16/02/12			



Principal

Designed
N. WHISHAW, S. STOKES

Drawn
PS/MN

Checked
N. WHISHAW

Authorised
P. G. McNAMARA

Date
JAN 2012

Scale: A1
1:2500
0 25 50 100

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SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
COVER SHEET - LOCALITY PLAN & SITE PLAN

Drawing No. 76893.01.M14
Sheet No. 1 of 36

Rev C

Preliminary Plan
Not to be used for construction

REVISION	SHEET No.	DRAWING No.	DESCRIPTION
C	1	76893.01 M14	COVER SHEET - LOCALITY PLAN & SITE PLAN
C	2	76893.01 M15	SHEET INDEX, GENERAL NOTES & LEGEND
C	3	76893.01 M16	GENERAL ARRANGEMENT PLAN
C	4	76893.01 M17	TYPICAL STAGING PLANS & CROSS SECTIONS - SHEET 1 OF 2
C	5	76893.01 M18	TYPICAL STAGING PLANS & CROSS SECTIONS - SHEET 2 OF 2
C	6	76893.01 M19	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 1 - CH 887.11 TO CH 954.82
C	7	76893.01 M20	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 1 - CH 954.82 TO CH 1342.95
C	8	76893.01 M21	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 1 BULK EARTHWORKS - CH 1342.95 TO CH 1490.00
C	9	76893.01 M22	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 2 - CH 887.11 TO CH 954.82
C	10	76893.01 M23	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 2 - CH 954.82 TO CH 1342.95
C	11	76893.01 M24	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 3 - CH 1342.95 TO CH 1714.85
C	12	76893.01 M25	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 3 - CH 1714.85 TO CH 2100.00
C	13	76893.01 M26	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 3 - CH 2100.00 TO CH 2310.00
C	14	76893.01 M27	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 4 - CH 1342.95 TO CH 1714.85
C	15	76893.01 M28	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 4 - CH 1714.85 TO CH 2100.00
C	16	76893.01 M29	PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 4 - CH 2100.00 TO CH 2310.00
C	17	76893.01 M30	ROUNDABOUT DETAIL PLAN - LIZ KERNOHAN DRIVE & NICHOLSON PARADE
C	18	76893.01 M31	ROUNDABOUT DETAIL PLAN - LIZ KERNOHAN DRIVE & FUTURE MAJOR ROAD INTERSECTION
C	19	76893.01 M32	CROSS SECTIONS - A, B, C, D, E & F
C	20	76893.01 M33	CROSS SECTIONS - G, H, I, J, K & L
C	21	76893.01 M34	LONGITUDINAL SECTIONS - NICHOLSON POE, WT ANMAN ROAD & HAUL RD
C	22	76893.01 M35	CUT & FILL PLAN - STAGES 1 & 2
C	23	76893.01 M36	CUT & FILL PLAN - STAGES 3 & 4
C	24	76893.01 M37	LINE MARKING AND SIGN POSTING PLAN - SHEET 1 OF 3
C	25	76893.01 M38	LINE MARKING AND SIGN POSTING PLAN - SHEET 2 OF 3
C	26	76893.01 M39	LINE MARKING, SIGN POSTING PLAN & LEGEND - SHEET 3 OF 3
A	27	76893.01 M40	PROPOSED CULVERT CROSSING: PRE & POST DEVELOPMENT CATCHMENT PLAN, FLOW DIAGRAM & CALCULATION TABLE
C	28	76893.01 M41	CATCHMENT PLAN
C	29	76893.01 M42	SOIL & WATER MANAGEMENT PLAN
C	30	76893.01 M43	SOIL & WATER MANAGEMENT - DETAILS & NOTES
C	31	76893.01 M44	SWEEP PATH DIAGRAM - ROUNDABOUT - LIZ KERNOHAN DRIVE & NICHOLSON PARADE - 19m S MOVEMENTS
C	32	76893.01 M45	SWEEP PATH DIAGRAM - ROUNDABOUT - LIZ KERNOHAN DRIVE & NICHOLSON PARADE - 25m B DOUBLE MOVEMENTS
C	33	76893.01 M46	SWEEP PATH DIAGRAM - ROUNDABOUT - LIZ KERNOHAN DRIVE & NICHOLSON PARADE - 12.5m B MOVEMENTS
C	34	76893.01 M47	SWEEP PATH DIAGRAM - ROUNDABOUT - LIZ KERNOHAN DRIVE & HAUL RD - 25m U-DOUBLE MOVEMENTS
C	35	76893.01 M48	SWEEP PATH DIAGRAM - ROUNDABOUT - LIZ KERNOHAN DRIVE & FUTURE RD - 19m S & 14.5m B MOVEMENTS
C	36	76893.01 M49	SWEEP PATH DIAGRAM - ROUNDABOUT - LIZ KERNOHAN DRIVE & HAUL RD - 14.5m B MOVEMENTS

1 THESE PLANS HAVE BEEN PREPARED TO FORM THE CONCEPT DESIGN OF THE ARTERIAL ROAD
2 DEVELOPMENT APPLICATION FOR CAMDEN COUNCIL
3 THESE PLANS HAVE BEEN PREPARED FOR ROADS AND DRAINAGE CONCEPT ONLY AND IS
4 SUBJECT TO FINAL ENGINEERING DESIGN
5 THE PROPOSED ALIGNMENT HAS BEEN DESIGN TO MATCH IN WITH JWP DESIGN LEVELS FOR
6 LINK ROAD (CH 1587 11 - CH 2284 17)
7 ALL WORK TO BE IN ACCORDANCE WITH COUNCIL STANDARD SPECIFICATIONS AND TO THE
8 SITE ENGINEER'S SATISFACTION
9 NO WORK WHEN ADJOINING PROPERTIES TO BE UNDERTAKEN WITHOUT WRITTEN
10 PERMISSION FROM THE COUNCIL WORKS OR RESERVE SUPERVISOR
11 NO TREES ARE TO BE REMOVED OR LOPPED OTHER THAN IN ROAD RESERVES. WITHOUT
12 COUNCIL'S WRITTEN PERMISSION, A TREE INSPECTION WITH COUNCIL SHOULD BE ARRANGED
13 ONCE ROAD & BATTER HAVE BEEN PEGGED
14 ALL DEBRIS, UNDERGROWTH, IMPROVEMENTS AND FENCES TO BE REMOVED FROM PUBLIC
15 RESERVE DRAINAGE AND ROAD WIDENING AREAS TO THE SATISFACTION OF COUNCIL
16 NO DISTURBANCE TO THE SITE SHALL BE PERMITTED OTHER THAN IN THE IMMEDIATE AREA OF
17 THE WORKS AND NO MATERIAL SHALL BE REMOVED FROM SITE WITHOUT COUNCIL APPROVAL
18 EXISTING SERVICES TO BE ALTERED WHERE REQUIRED AT DEVELOPER'S EXPENSE
19 THE CONTRACTOR SHALL OBTAIN ALL LEVELS FROM ESTABLISHED BENCH MARKS ONLY
20 THE LOCATION OF RECOVERY MARKS AND BENCH MARKS SHOULD BE VERIFIED AND
21 CONFIRMED BY THE LOCALITY MAP AND ANY DISCREPANCIES SHOULD BE CLARIFIED IN
22 WRITING WITH THE SURVEYOR PRIOR TO COMMENCEMENT OF WORK
23 WHEELCHAIR CROSSINGS TO BE PROVIDED AT KERBS RETURNS AS SHOWN
24 CONCRETE PATHS AND DRIVEWAYS TO BE BONDED PENDING COMPLETION OF SERVICING
25 MAKE SMOOTH CONNECTION WITH ALL EXISTING ENGINEERING WORK
26 VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING
27 PROPERTIES AFFECTED BY CONSTRUCTION
28 DOCUMENTS: THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER WORKING
29 DRAWINGS AND SPECIFICATIONS
30 DIMENSIONS AND SETTING OUT: REDUCED LEVELS AND CHAINAGES ARE IN METERS ALL OTHER
31 DIMENSIONS ARE IN MILLIMETRES
32 DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS
33 DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND
34 NO PART SHALL BE OVERSTRESSED
35 ALL EXCAVATION, SHORING OF EXCAVATION AND STABILITY OF ADJACENT STRUCTURES SHALL
36 BE THE RESPONSIBILITY OF THE CONTRACTOR
37 WORKMANSHIP AND MATERIALS: THESE SHALL CONFORM WITH THE REQUIREMENTS OF THE
38 RELEVANT S.A.A. CODES AND SPECIFICATIONS, BY LAW AND ORDINANCES OF COUNCIL
39 IF REQUIRED - FURTHER INFORMATION MAY BE OBTAINED FROM SMC URBAN

1. PRIOR TO THE COMMENCEMENT OF WORK A PROGRAM OF WORKS SHALL BE SUBMITTED TO COUNCIL, DETAILING THE VARIOUS STAGES OF WORK INCLUDING STARTING AND FINISHING DATES.
2. THE PROGRAM OF WORK SHALL RELATE TO THE TRAFFIC MANAGEMENT PLAN FOR DIFFERENT STAGES OF CONSTRUCTION, TEMPORARY TRAFFIC DETOURS AND ROAD SEPARATION SHALL BE INCORPORATED IN TO THE PROGRAM.

1. A DILAPIDATION REPORT WITHIN THE LIMIT OF WORKS SHALL BE UNDERTAKEN BY THE CONTRACTOR ON BEHALF OF THE DEVELOPER TO RECORD THE CONDITION OF THE EXISTING ROAD RESERVE PRIOR TO THE RE-CONSTRUCTION OF MENANGLE ROAD.
2. CONTACT COUNCIL FOR A REPRESENTATIVE TO ATTEND THE PRELIMINARY INSPECTION PRIOR TO THE COMMENCEMENT OF THE WORKS TO VERIFY DILAPIDATION SURVEY.

SURVEY CONTROL AND SET OUT INFORMATION SHALL BE READ IN CONJUNCTION WITH THE DETAILED DESIGN DOCUMENTS PREPARED FOR THE PROJECT.

2. EXISTING SURVEY MARKS SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION

3. IF SSM IS DAMAGED, PLEASE CONTACT SMEC URBAN AND COUNCIL SURVEY COORDINATOR

- TRAFFIC CONTROL, IN IN AND IMPLEMENTATION TO BE SUPPLIED BY CIVIL WORKS SUB-CONTRACTOR AS PART OF THE CIVIL WORKS CONTRACT. THESE WORKS DO NOT FORM PART OF DETAILED DESIGN PREPARED BY SUEC URBAN.
- ALL TRAFFIC MANAGEMENT DURING THE CONSTRUCTION OF THE WORKS SHALL BE IN ACCORDANCE WITH COUNCIL'S 'TRAFFIC CONTROL AT WORK SITES - 1998' AND AUSTRALIAN STANDARD AS1742.3.
- ANY WORKS CARRIED OUT AT NIGHT OR/AND ON WEEKENDS SHALL OBTAIN A SEPARATE APPROVAL FROM THE EPA AND COUNCIL. PERMIT SHALL BE OBTAINED PRIOR TO THE WORKING AND 5 DAYS NOTICE GIVEN FROM THE WORKS.
- NOTIFICATION OF THE COMMENCEMENT OF WORKS SHALL BE GIVEN TO COUNCIL.
- ANY WORKS OUTSIDE OF NORMAL WORKING HOURS THE CONTRACTOR SHALL PROVIDE ADEQUATE SIGNPOSTING AND LIGHTING TO THE CONSTRUCTION AREAS. TEMPORARY LIGHT SHOULD BE MAINTAINED UNTIL PERMANENT LIGHTING CAN TAKE OVER.

PRINCIPAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUB-CONTRACTOR(S) MATERIAL DELIVERIES AND LOADING/UNLOADING OPERATIONS TO AVOID SPILLAGES ONTO THE PUBLIC ROAD.

1. WASTE MATERIAL SUCH AS REMOVED ROAD-MARKING MATERIALS ETC SHALL BE COLLECTED AND DISPOSED OF IN LANDFILLS LICENSED BY THE EPA.
2. THE CONTRACTOR SHALL LIMIT CONSTRUCTION NOISE TO A MINIMUM. NOISE LIMITS SHALL BE IN ACCORDANCE WITH CAMDEN CITY COUNCIL STANDARDS.
3. THE HOURS OF OPERATION SHALL BE IN ACCORDANCE WITH CAMDEN COUNCIL DEVELOPMENT APPLICATION DA. FOR THE ADJACENT SUBDIVISION: MONDAY TO FRIDAY, 7:00AM TO 5:00PM, SATURDAY, 8:00AM TO 1:00PM, SUNDAYS AND PUBLIC HOLIDAYS, NO WORK.

DRAWING No.	DESCRIPTION
ASSOCIATED REFERENCE DRAWINGS:	
NVA Ref No. TMS1DD01 TO 11	SYDNEY WATER DRAWINGS: NARELLAN SOUTH RESERVOIR (W50301) DN1050 OUTLET MAIN TO SPRING FARM CAMDEN
76769 02.M505 & M506	PROPOSED WORKS WITH-IN TRANSMISSION EASEMENT GENERAL PLAN & LONG SECTION OF UNDERGROUND CABLES
76744 01.M575	PROPOSED MASTERPLAN WITH WILD AREA FOR LANDCOM HOLDING
76993 01.D01 & D02	CONTOUR & DETAIL SURVEY
76744 02.M595	SPRING FARM INFRASTRUCTURE STAGING SEQUENCE PLAN

DESCRIPTION	EXISTING	PROPOSED	FUTURE
CONTOURS			
BOUNDARIES			
LOT BOUNDARIES			
KERB & GUTTER			
SITE BOUNDARY			
STAGE BOUNDARY			
LIMIT OF WORKS			
BATTER			
TREE			
DRAINAGE PIPES & PITS			
WATERMAIN			
SEWER			
UNDER GROUND ELECTRICITY			
ABOVE GROUND ELECTRICITY			
EASEMENT			

3. THE CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY, AND TO THE SATISFACTION OF COUNCIL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND DURING CONSTRUCTION, MAINTENANCE OF THE EROSION AND SEDIMENT CONTROL IS TO BE UNDECCOUNCIL ON A REGULAR BASIS AS PER COUNCIL'S DIRECTION.
4. TESTS SHALL BE UNDECCOUNCIL ON ANY PROPOSED FILL MATERIALS TO ENSURE THAT THEY DO NOT HAVE A HIGH DISPERSION POTENTIAL AS DEFINED BY THE EMISSION OF CHROMIUM DURING TESTS (AS 2281 CL 100).
5. ALL FILL SHALL BE COMPACTED TO NOT LESS THAN 95% OF STANDARD MAXIMUM DRY DENSITY AT 3% TO 35% OF STANDARD OPTIMUM MOISTURE CONTENT. ALL AREAS WHICH HAVE TEST RESULTS LESS THAN 95% STANDARD SHOULD BE REWORKED AND RETESTED TO ENSURE COMPLIANCE IN ACCORDANCE WITH A.S.A. 1389 TESTS 12 AND 13.
6. ALL FILL AREAS TO BE SURVEYED AT STRIPPING AND FINAL STAGES AND LEVELS SHOWN ON PLAN SHEETS, TOGETHER WITH CROSS SECTIONS AT MAXIMUM 20m C/C AT WORKS AS EXECUTED STAGE AND CONTROLLED BY A REGISTERED SURVEYOR. ALL INSTRUMENTS TO BE REQUIRED FOR ALL LOTS FILL WITHIN THE BUILDING LINE.
7. ALL EARTHWORKS SHALL BE CONTROLLED BY CERTIFIED BY A MATA, REGISTERED BY LABORATORY. TWO COLLATED COPIES OF ALL TEST CERTIFICATES ACCOMPANIED BY AN OVERALL SITE PLAN, CLEARLY INDICATING THE LOCATION OF EACH TEST AND FILL AREAS ETC. AND THE LABORATORY CERTIFICATE COVERING THE WHOLE OF THE AREA TESTED ARE TO BE FORWARDED TO COUNCIL, UPON COMPLETION. TESTING IS TO BE TO LEVEL 1, A63798 APPENDIX B2.1.
8. FINAL PAVEMENT THICKNESS TO BE DETERMINED AFTER "TICKING OUT" BY JOINT INSPECTION BY MATA, REGISTERED LABORATORY AND COUNCIL'S ENGINEER. TWO COPIES OF PAVEMENT TO BE AVAILABLE TO COUNCIL FOR 10 YEARS AFTER TWO (2) CLEAR DAYS PRIOR TO INSPECTION.
9. KERB CORE SAMPLED TO A 5012 SHALL BE TAKEN BY A TEST REPORTED BY LABORATORY. TWENTY EIGHT (28) DAYS AFTER LAYING. TWO COPIES OF TEST REPORTS SHALL BE FORWARDED TO COUNCIL.

1 SERVICES HAVE BEEN SHOWN ON THIS PLAN USING SERVICE DIAGRAMS AND SHOULD BE
2 CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
3 ALL ROAD DRAINAGE LINES TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH
4 CAMDEN COUNCIL'S ENGINEERING DESIGN SPECIFICATIONS.
5 SERVICE CONDUITS TO BE PLACED AS DIRECTED BY ENDEAVOUR, TELSTRA AND AS REQUIRED
6 BY SYDNEY WATER CORPORATION.
7 SERVICES SHOWN HEREON HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY, IF NOT
8 AVAILABLE TO BE LOCATED SERVICES HAVE BEEN PLOTTED FROM THE RECORDS OF RELEVANT
9 AUTHORITIES WHERE AVAILABLE AND HAVE BEEN NOTED ACCORDINGLY ON THIS PLAN. WHERE
10 SUCH RECORDS ARE NOT AVAILABLE, DO NOT EXIST OR ARE INADEQUATE A NOTATION HAS BEEN MADE
11 HEREON: PRIOR TO ANY TRENCHING, EXCAVATION OR CONSTRUCTION ON THE SITE, THE
12 RELEVANT AUTHORITY SHOULD BE CONTACTED FOR POSSIBLE LOCATION OF FURTHER
13 UNDERGROUND SERVICES & DETAILED LOCATIONS OF ALL SERVICES.
14 PUBLIC UTILITY SERVICES ARE TO BE ADJUSTED AS NECESSARY.
15 PROPOSED SERVICE CROSSING TO BE THRUST DORED UNDER EXISTING ROAD PAVEMENT.
16 CONTRACTOR TO REPAIR ANY DAMAGE TO EXISTING SURFACE.
17 ALL SYDNEY WATER HYDRANTS ARE TO BE CLEARLY IDENTIFIABLE BY APPROPRIATE KERS
18 MARKINGS AND BLUE COLOURED RAISED REFLECTIVE PAVEMENT MARKERS PLACED AT THE
19 CENTRELINE OF THE ROAD OPPOSITE THE HYDRANT. THESE PAVEMENT MARKERS ARE TO BE
20 REINTEGRATED AFTER PLACEMENT OF THE FINAL LAYER OF ASPHALTIC CONCRETE AND PRIOR TO
21 THE RELEASE OF THE ROAD SURFACING BOND.
22 CONTRACTOR TO INSTALL ELECTRICAL, TELSTRA AND GAIL DUCT CROSSINGS TO RELEVANT
23 AUTHORITY STANDARDS. CONTRACTOR TO SURVEY & CERTIFY COVER TO EACH ROAD DUCT
24 CROSSING AS GIVEN ON THE APPROVED ELECTRICAL PLAN. LEVELS & CERTIFICATION TO BE
25 PROVIDED TO SMC URBAN FOR CONFIRMATION AND SUBMISSION OF WAVE LEVELS TO
26 ENDEAVOUR ENERGY FOR CERTIFICATION.
27 ALTERNATIVELY, CONTACT SMC URBAN ONE DAY PRIOR TO TRENCH BEING OPEN AND/OR
28 BACKFILLED FOR CERTIFICATION.

THE DRAINAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH CAMDEN CITY COUNCIL'S "GUIDELINES OF ENGINEERING CONDITIONS TO BE APPLIED TO DEVELOPMENT AND BUILDING APPLICATIONS".

IN SUMMARY, DESIGN REQUIREMENTS ARE:

- MINOR SYSTEM - PIPED DRAINAGE IN 100 YEAR EVENT
- MAJOR SYSTEM - OVERLAND FLOW PATHS IN 100 YEAR EVENTS

IN ADDITION, WATER QUALITY OBJECTIVES AND LANDCOM'S TRIPLE BOTTOM LINE REQUIREMENTS PLACED ADDITIONAL DESIGN REQUIREMENTS ON THE PROJECT. ANALYSING SMALLER STORM EVENTS TO MEET BOTH WATER QUALITY AND QUANTITY OBJECTIVES WERE REQUIRED TO MEET THE FOLLOWING DESIGN REQUIREMENTS:

- WATER QUALITY - 3 MONTH ARI
- WATER QUANTITY - 1 IN 15 YEAR ARI (LANDCOM TRIPLE BOTTOM LINE OBJECTIVE)

* REFERENCE HAS BEEN MADE TO JWP WATER CYCLE MASTERPLAN PREPARED FOR THE SITE. (ISSUE NO. 77777, DATED 77777), AND ECOLOGICAL ENGINEERING REPORT, DATED 77777.

MINOR DRAINAGE:

1. RAINFALL INTENSITIES HAVE BEEN CALCULATED IN ACCORDANCE WITH 1967 AR&R USING IFD DESIGN RAINFALL CURVES.
2. RUNOFF COEFFICIENTS FOR SUB-CATCHMENTS ARE BASED ON AR&R FIG 14.3.
3. HYDRAULIC GRADIENTS FOR ALL PIPE FLOW ARE BASED ON THE COLEBROOK WHITE EQUATION USING $K=0.3$.
4. PIT LOSS COEFFICIENTS ARE BASED ON:
 - a) MISSOURI CHART VALUES WITHIN "DRAINS" PACKAGE
 - b) DESIGN RECURRENCE INTERVAL IS 1 IN 10 YEAR EVENT
5. GRASSED LINED DRAINAGE DRAINS HAVE BEEN DESIGNED FOR 1 IN 5 YEAR STORM EVENT
6. WATER QUALITY BASINS HAVE BEEN DESIGNED TO DETAIN POST DEVELOPMENT STORMWATER FLOWS REQUIREMENTS UP TO THE 1 IN 10 YEAR STORM EVENT IN ACCORDANCE (LANDCOM TRIPLE BOTTOM LINE)
7. DISCHARGE CONTROL PITS & WATER QUALITY BASINS ARE DESIGNED TO CONVERT IN EVENTS GREATER THAN 1 IN 1.5 YEAR STORM EVENT INTO THE PRED DRAINAGE SYSTEM & DOWNSTREAM CREEK.

MAJOR DRAINAGE:

1. 100 YEAR ROAD FLOWS HAVE BEEN DESIGNED TO FLOW WITHIN ROAD RESERVES AND CATCH DRAINS TO THE DOWNSTREAM CREEK SYSTEM.

Item	Issue	Decision	Comments
1	STAGING AMENDED AT COUNCIL'S REQUEST	2011/12	PSMN NW
2	STAGING AMENDED AT COUNCIL'S REQUEST	27/09/12	PSMN NW
3	STAGING AMENDED AT COUNCIL'S REQUEST	13/09/12	PSMN NW
4	INITIAL ISSUE	16/02/12	PSMN NW



Pyrenebutyrol

Designed
N. WHISHAW & STOKES
Drawn
POMN
Checked
N. WHISHAW
Authorised
P. G. McNAMARA
Date
JAN 2012

Solve It! A1

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NSW 47 005 475 129

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Salvati	401.8.822.1.505	Italy/Great	401.7.9506.003
Manera	401.7.524.088	Netherlands	401.7.9800.080
Cartella	401.7.5726.180	Italy	401.9.9325.0380
Gaviglio	401.8.5226.340	Tanzania	401.3.75.03.0380

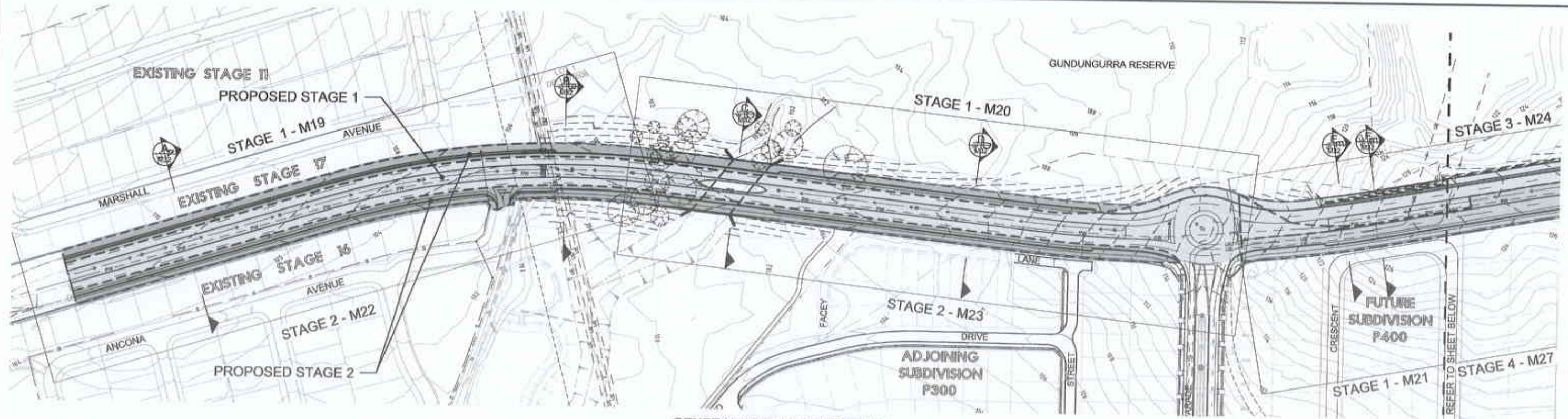
SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
SHEET INDEX, GENERAL NOTES & LEGEND

Drawing No. 76893 01.M15

Sheet No 2 of 36

Rev C

Preliminary Plan
Not to be used for construction

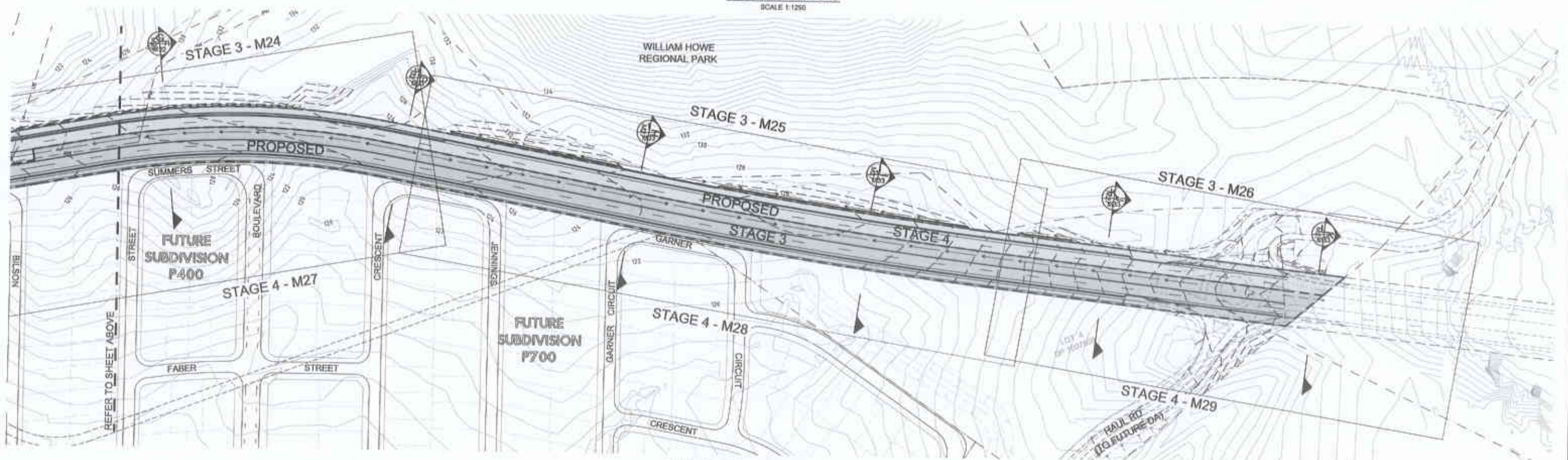


GENERAL ARRANGEMENT PLAN

STAGE 1 - SHEET 6, 7 & 8

STAGE 2 - SHEET 9 & 10

SCALE 1:1250



GENERAL ARRANGEMENT PLAN

STAGE 3 - SHEET 11, 12 & 13

STAGE 4 - SHEET 14, 15 & 16

SCALE 1:1250

REVISION	DATE	BY	APP'D
C STAGING AMENDED AT COUNCILS REQUEST	20/11/12	PS/MN	NW
B STAGING AMENDED AT COUNCILS REQUEST	27/09/12	PS/MN	NW
A STAGING AMENDED AT COUNCILS REQUEST	13/06/12	PS/MN	NW
- INITIAL ISSUE	18/02/12	-	-

Principal

Designed
N. WHISHAW, B. STOKES

Drawn
PS/MN

Checked
N. WHISHAW

Authorised
P. G. MONAGHAN

Date
JAN 2012



Scale @ A1
1:1250
0 12.5 25 50

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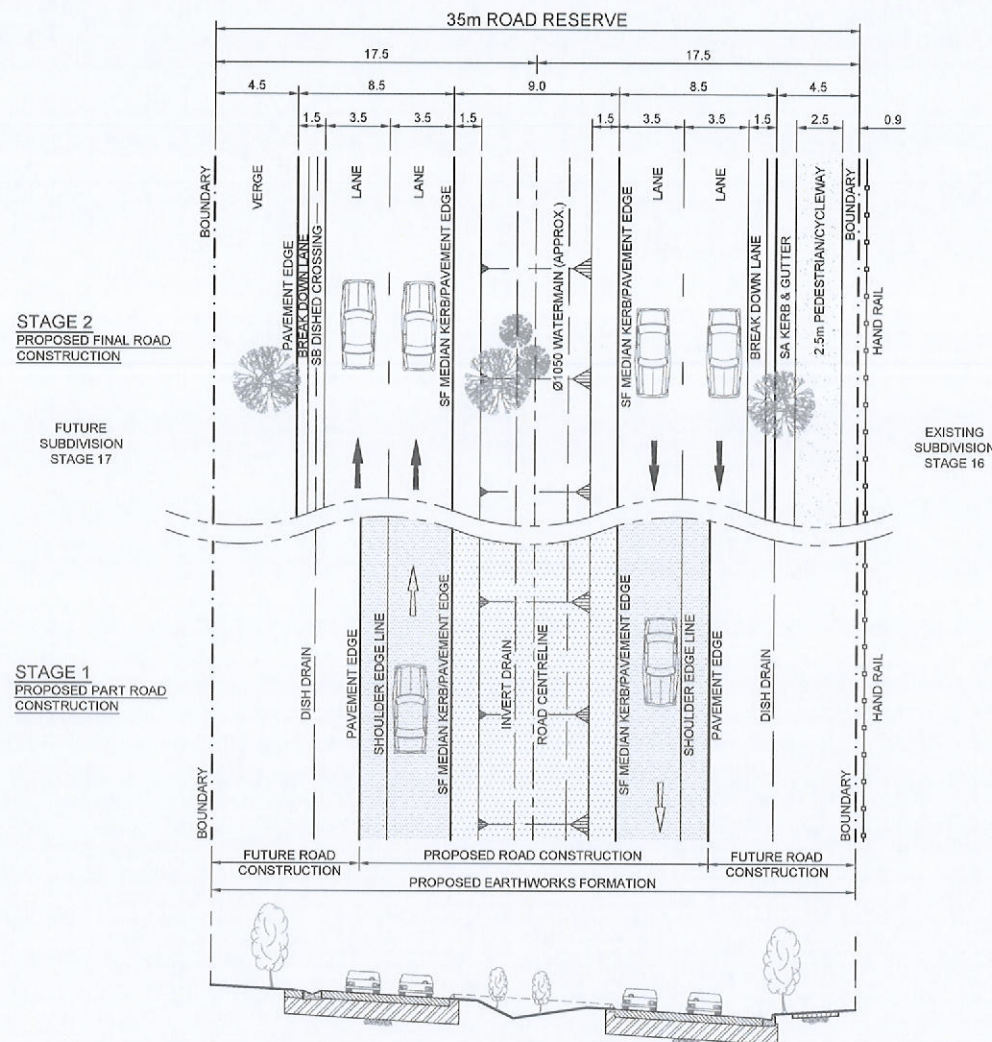
SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
GENERAL ARRANGEMENT PLAN

Drawing No. 76893.01.M16

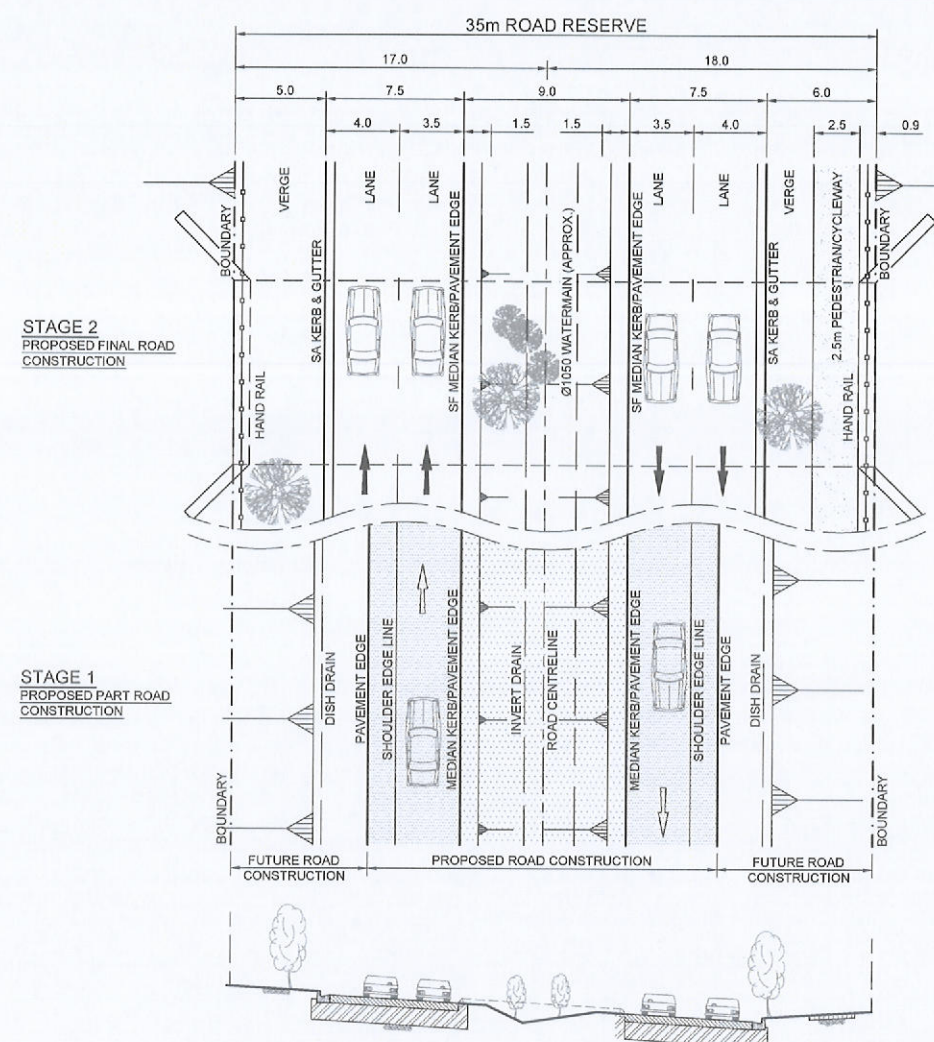
Sheet No. 3 of 38

Rev C

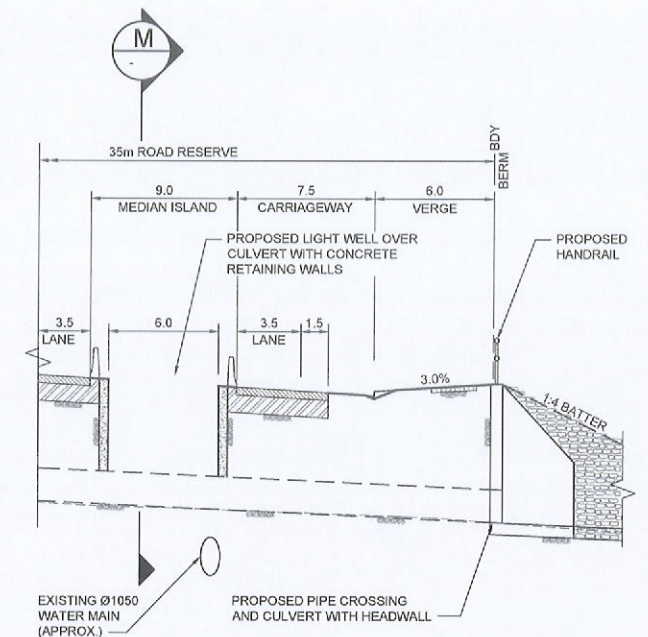
Preliminary Plan
Not to be used for construction



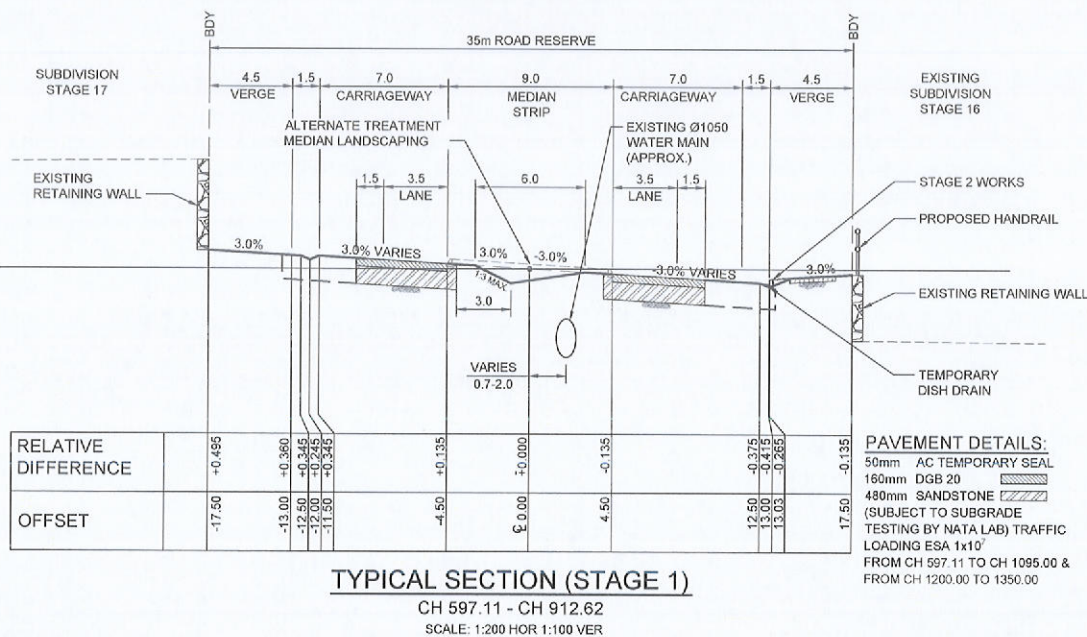
35m ARTERIAL ROAD TYPICAL PLAN & SECTION (STAGES 1 & 2)
LIZ KERNOHAN DRIVE 60km/h (+10km/h)
SCALE 1:200 HOR 1:100 VER



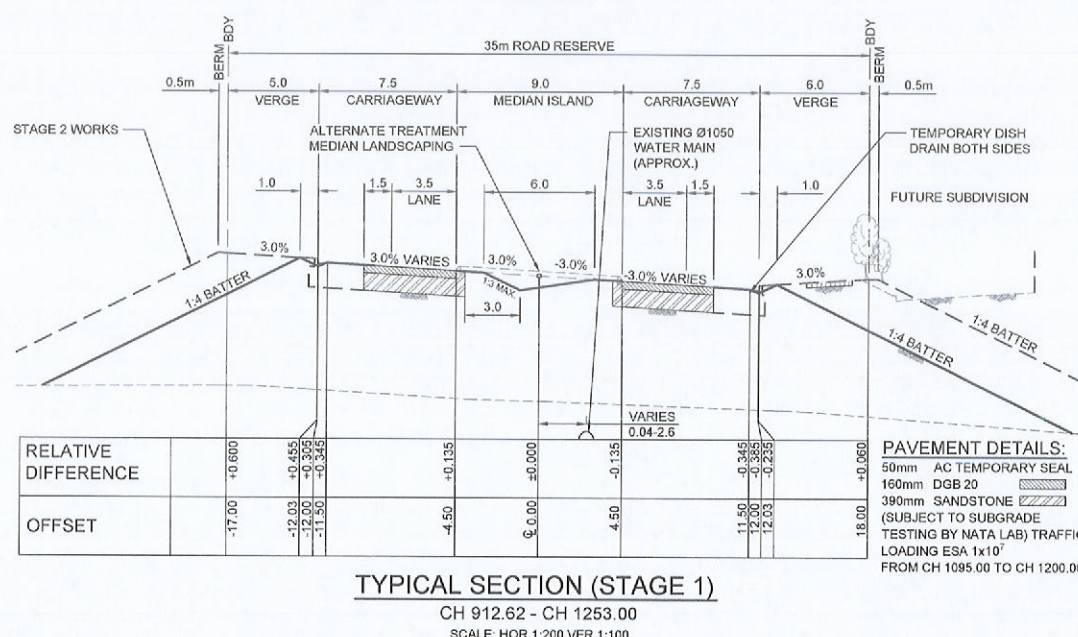
35m ARTERIAL ROAD TYPICAL PLAN & SECTION (STAGES 1 & 2)
LIZ KERNOHAN DRIVE 60km/h (+10km/h)
SCALE 1:200



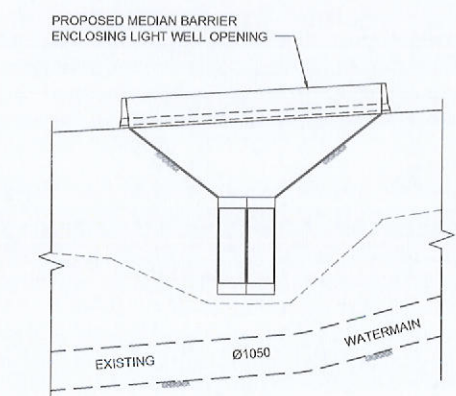
CULVERT CROSS SECTION (PART)
CH. 1000.00 - CH. 1035.00 (APPROX.)
SCALE N.T.S.



TYPICAL SECTION (STAGE 1)
CH 597.11 - CH 912.62
SCALE: 1:200 HOR 1:100 VER



TYPICAL SECTION (STAGE 1)
CH 912.62 - CH 1253.00
SCALE: HOR 1:200 VER 1:100



SECTION (M)
SCALE: N.T.S.

REVISION	DATE	DESIGN	APPD
D	28/03/13	JC	BS
C	20/11/12	PS/MN	NW
B	27/09/12	PS/MN	NW
A	13/08/12	PS/MN	NW
INITIAL ISSUE	16/02/12	--	--



Principal

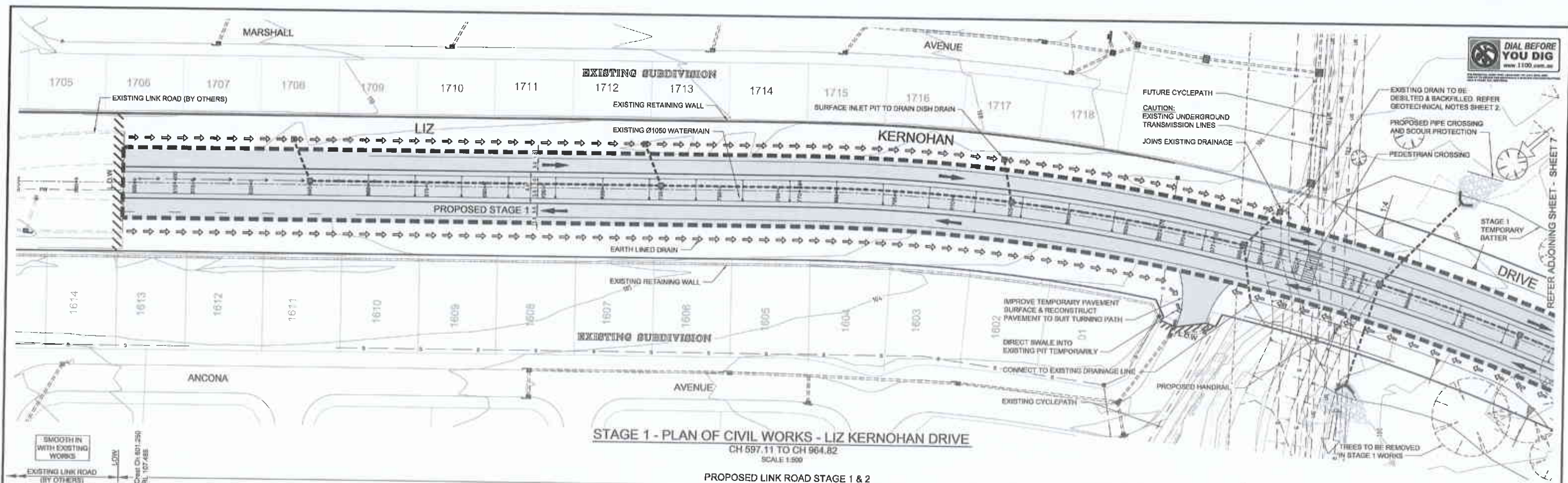
Designed
N. WHISHAW, B. STOKES
Drawn
PS/MN
Checked
N. WHISHAW
Authorised
P. G. McNAMARA
Date
JAN 2012

Scale @ A1
1:200 H 1:100 V
0 2 4 8
0 1 2 4

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Geelong +61 3 5228 3100 Taranaki +61 3 5173 0100

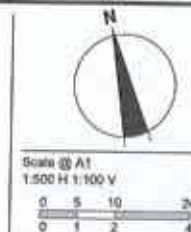
SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
TYPICAL STAGING PLANS & CROSS SECTIONS -
SHEET 1 OF 2
Drawing No. 76893.01.M17
Sheet No. 4 of 36
Rev D
Preliminary Plan
Not to be used for construction



STAGE 1 - LONGITUDINAL SECTION - LIZ KERNOHAN DRIVE

C	STAGING AMENDED AT COUNCIL'S REQUEST	20/11/12	P5MMN	NW
B	STAGING AMENDED AT COUNCIL'S REQUEST	27/09/12	P5MMN	NW
A	STAGING AMENDED AT COUNCIL'S REQUEST	13/09/12	P5MMN	NW
-	INITIAL ISSUE	16/02/12	ref	-
REVISION		DATE	REASON	APPRO

Designed
N. WHISHAW, B. STOKES
Drawn
PBRMN
Checked
N. WHISHAW
Authorised
P. G. McNAMARA
Date
JAN 2012



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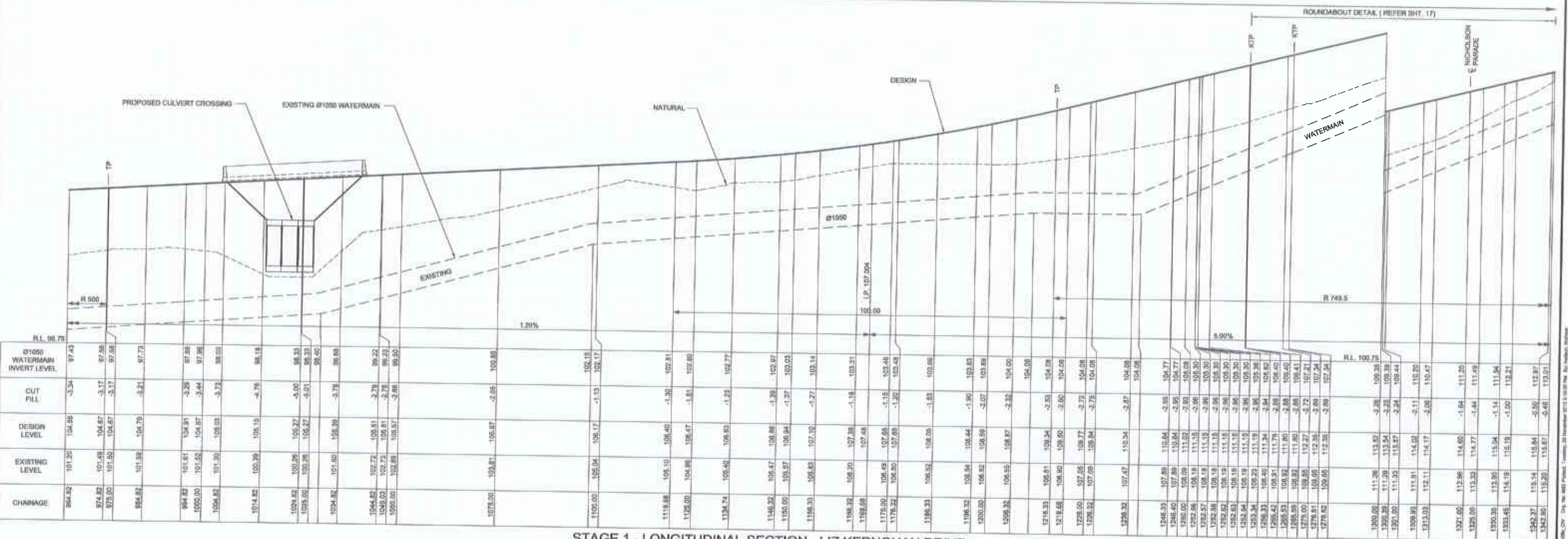
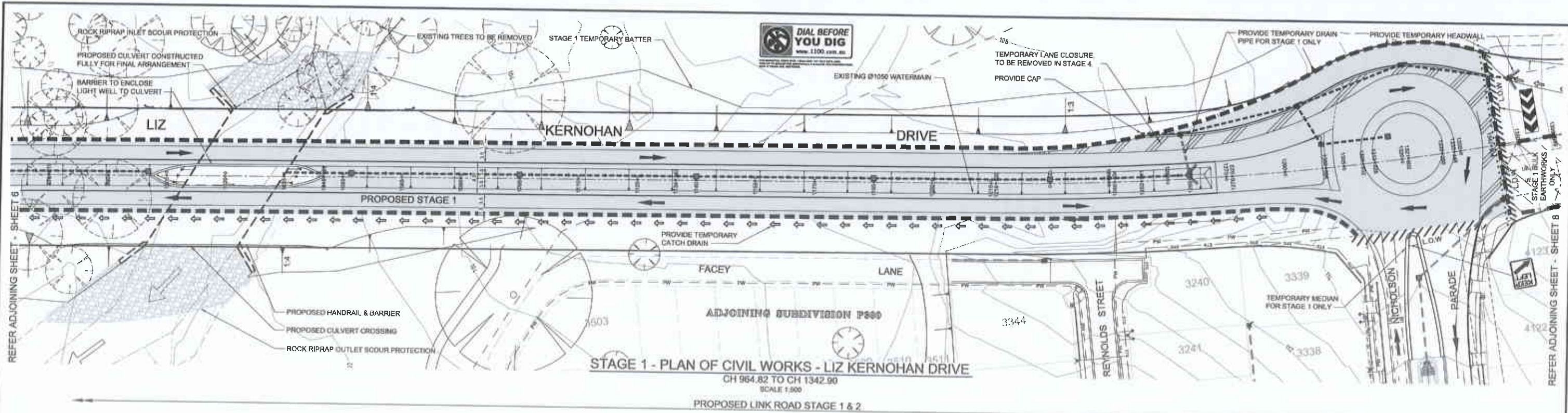


NOTES:
1. FOR GENERAL NOTES & LEGEND REFER SHEET 2 DRAWING No. 76093.01.M15

SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
PLAN OF CIVIL WORKS AND LONGITUDINAL
SECTION - STAGE 1 - CH 597.11 TO CH 964.82

Drawing No. 76893.01.M19 Rev C
Sheet No. 8 of 38

Preliminary Plan
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REVISION	DATE	DESCRIPTION	APPD
1	16/02/12	INITIAL ISSUE	
2	13/09/12	STAGING AMENDED AT COUNCIL REQUEST	
3	27/09/12	STAGING AMENDED AT COUNCIL REQUEST	
4	28/11/12	STAGING AMENDED AT COUNCIL REQUEST	

Principal: P. G. McNamara

Designed: N. Whishaw, B. Stokes
Drawn: PSMN
Checked: N. Whishaw
Authorised: P. G. McNamara
Date: JAN 2012

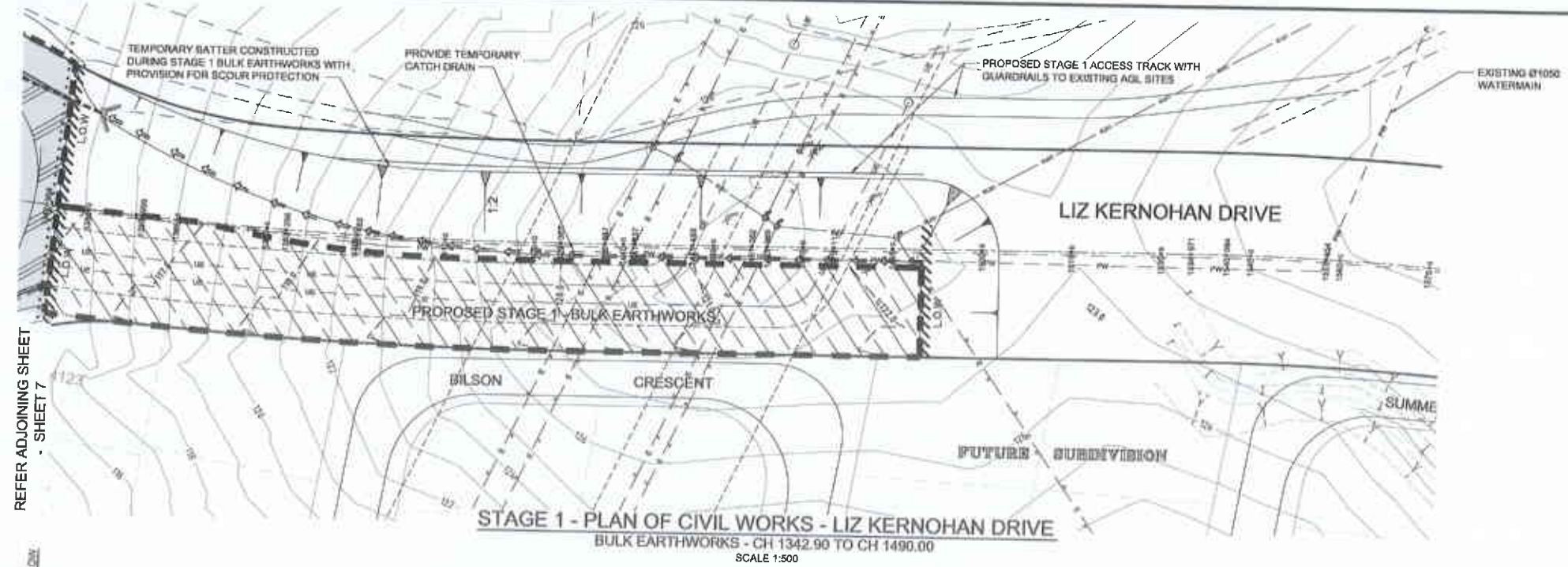
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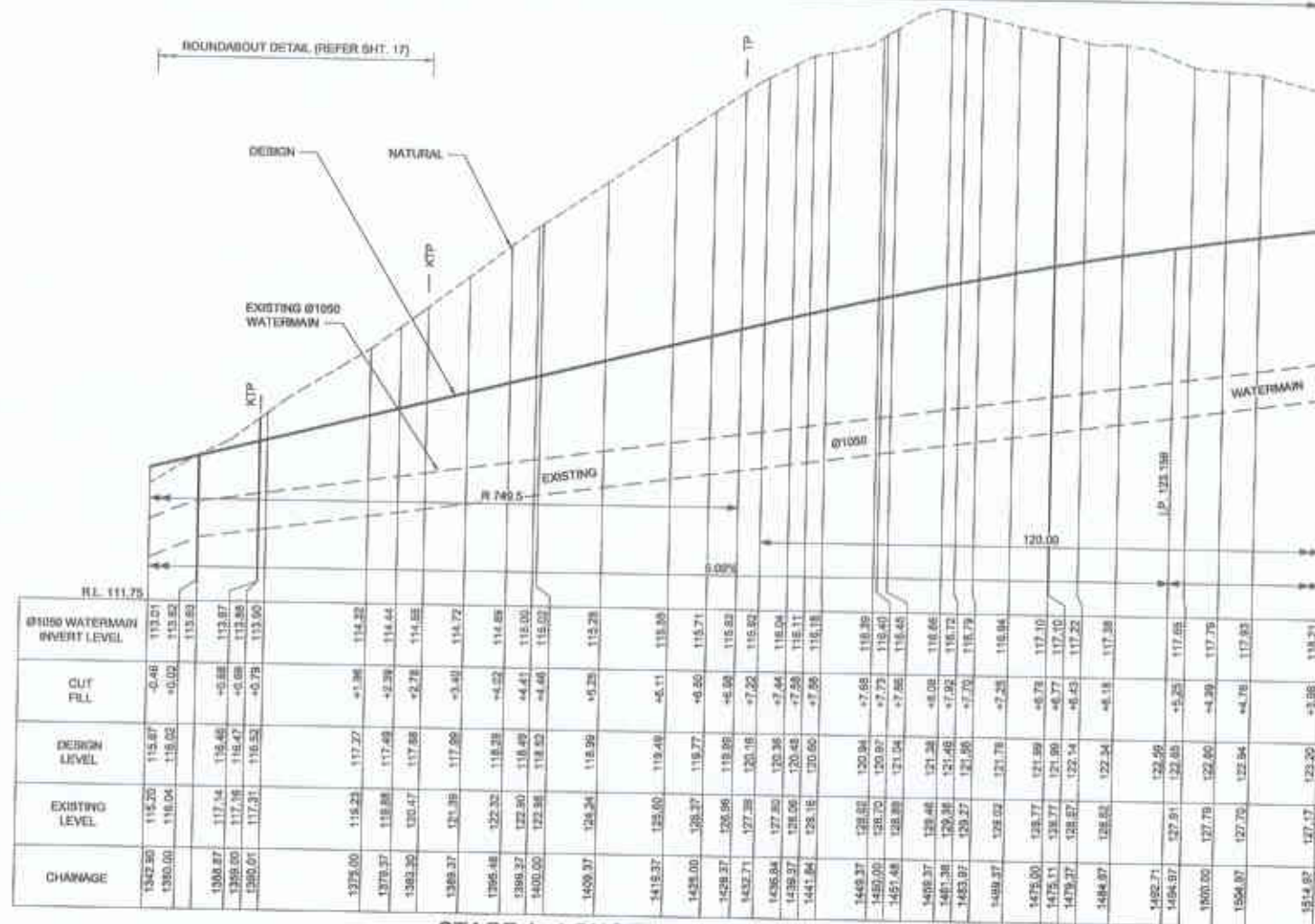
SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 1 - CH 964.82 TO CH 1342.90

Drawing No. 76893.01.M20
Sheet No. 7 of 38
Rev C

Preliminary Plan
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STAGE 1 - PLAN OF CIVIL WORKS - LIZ KERNOHAN DRIVE
BULK EARTHWORKS - CH 1342.90 TO CH 1490.00
SCALE 1:500

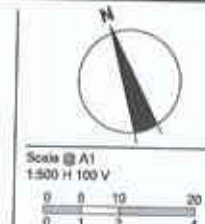


STAGE 1 - LONGITUDINAL SECTION - LIZ KERNOHAN DRIVE
BULK EARTHWORKS - CH 1342.90 TO CH 1490.00
SCALE: HOR 1:500 VER 1:100

REVISION	DATE	DRAWN	APPD
C STAGING AMENDED AT COUNCILS REQUEST	20/11/12	PS/MN	NW
B STAGING AMENDED AT COUNCILS REQUEST	27/09/12	PS/MN	NW
A STAGING AMENDED AT COUNCILS REQUEST	13/08/12	PS/MN	NW
- INITIAL ISSUE	16/02/12	-	-

Principal

Designed
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Drawn
PS/MN
Checked
N. WHISHAW
Authorised
P. G. MONAMARA
Date
JAN 2012



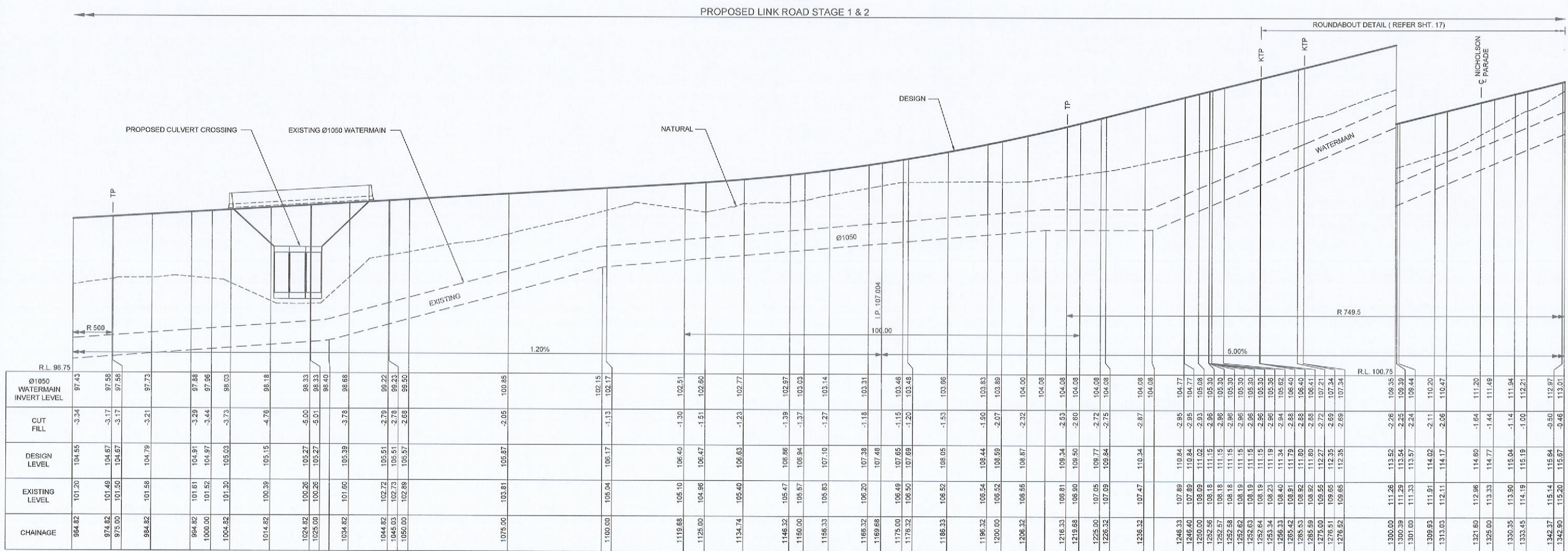
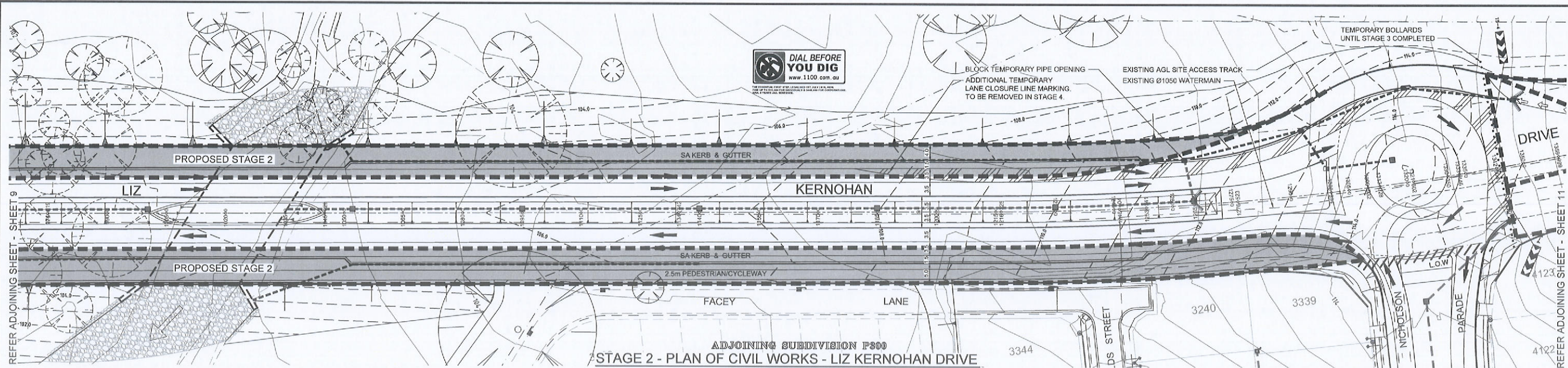
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SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 1 BULK EARTHWORKS - CH 1342.90 TO CH 1490.00
Drawing No. 76893.01.M21
Sheet No. 8 of 36
Rev C

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STAGE 2 - LONGITUDINAL SECTION - LIZ KERNOHAN DRIVE
CH 964.82 TO CH 1342.90
SCALE: HOR 1:500 VER 1:100

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REVISION	DATE	DESIGN	APPD
D REVISED ROAD RESERVE	28/03/13	JC	BS
C STAGING AMENDED AT COUNCILS REQUEST	20/11/12	PS/MN	NW
B STAGING AMENDED AT COUNCILS REQUEST	27/09/12	PS/MN	NW
A STAGING AMENDED AT COUNCILS REQUEST	13/08/12	PS/MN	NW
INITIAL ISSUE	16/02/12		

Principal

Designed
N. WHISHAW, B. STOKES

Drawn
PS/MN

Checked
N. WHISHAW

Authorised
P. G. McNAMARA

Date
JAN 2012

Scale @ A1
1:500 H 1:100

0 5 10 20
0 1 2 4

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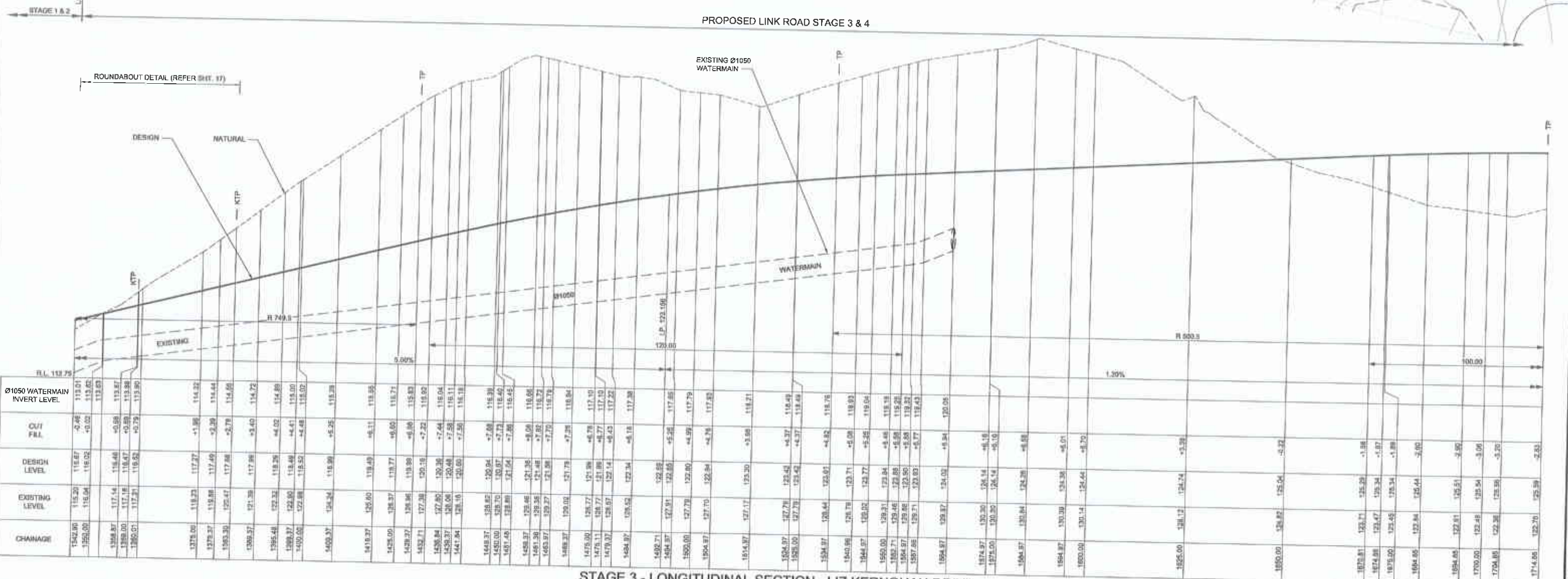
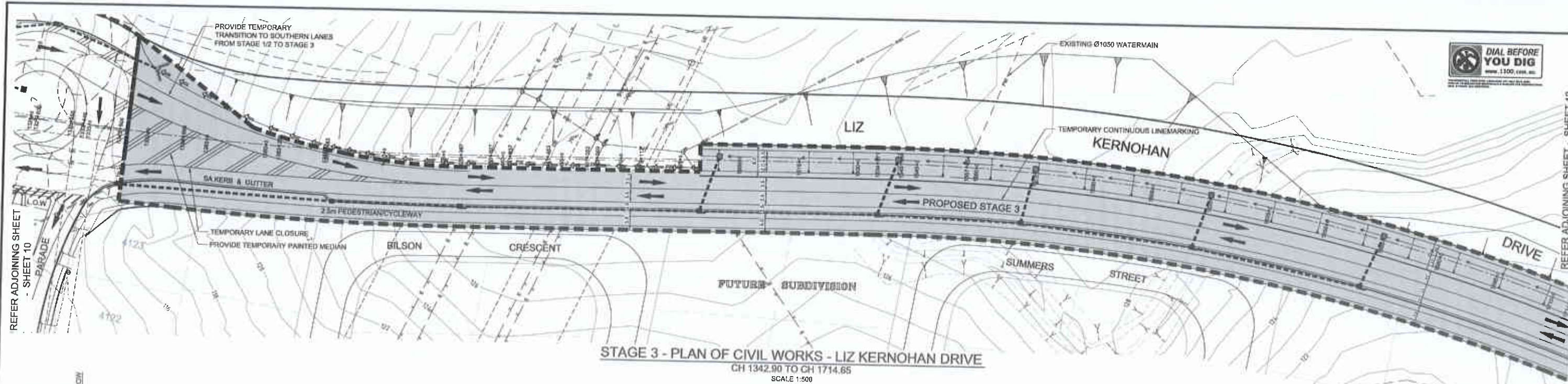
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SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
PLAN OF CIVIL WORKS AND LONGITUDINAL
SECTION - STAGE 2 - CH 964.82 TO CH 1342.90

Drawing No. 76893.01.M23
Sheet No. 10 of 36

Rev D

Preliminary Plan
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DESIGNED: N. WISHAW, S. STOKES
DRAWN: PSMN
CHECKED: N. WISHAW
AUTHORISED: P. G. MOHAMMAD
DATE: JAN 2012

Scale @ A1
1:500 H 1:100 V

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SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 3 - CH 1342.90 TO CH 1714.65

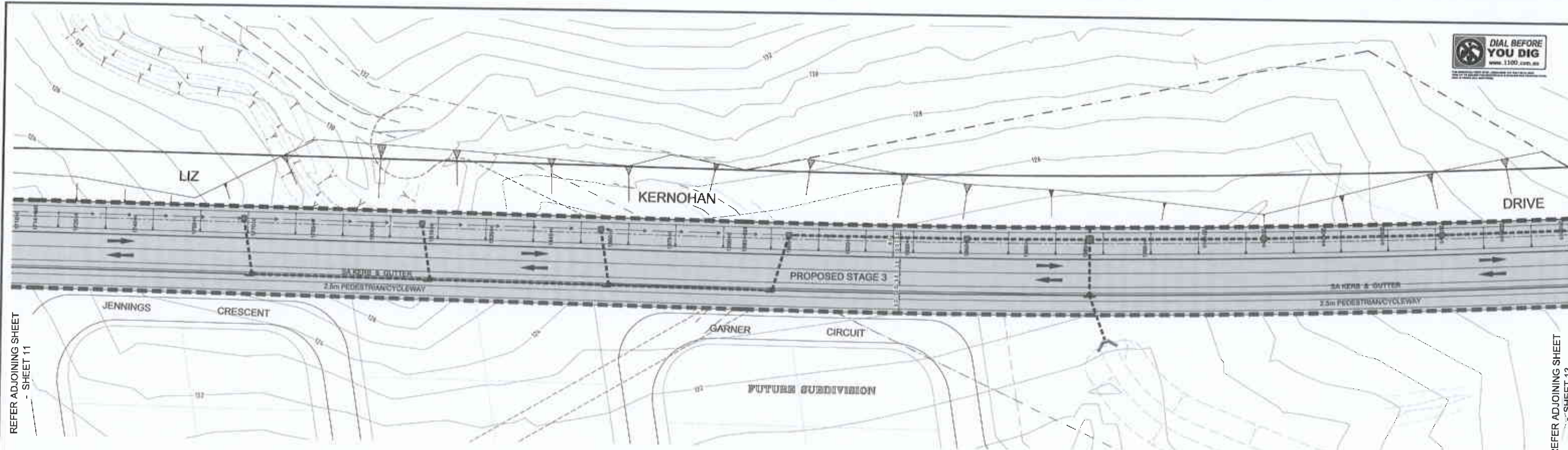
Drawing No. 76893.01.M24
Sheet No. 11 of 38
Rev C

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NOTES:
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NO.	DESCRIPTION	DATE	DESIGNED	APP'D
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B	STAGING AMENDED AT COUNCIL'S REQUEST	27/09/12	PSMN	NW
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-	INITIAL ISSUE	18/02/12	-	-

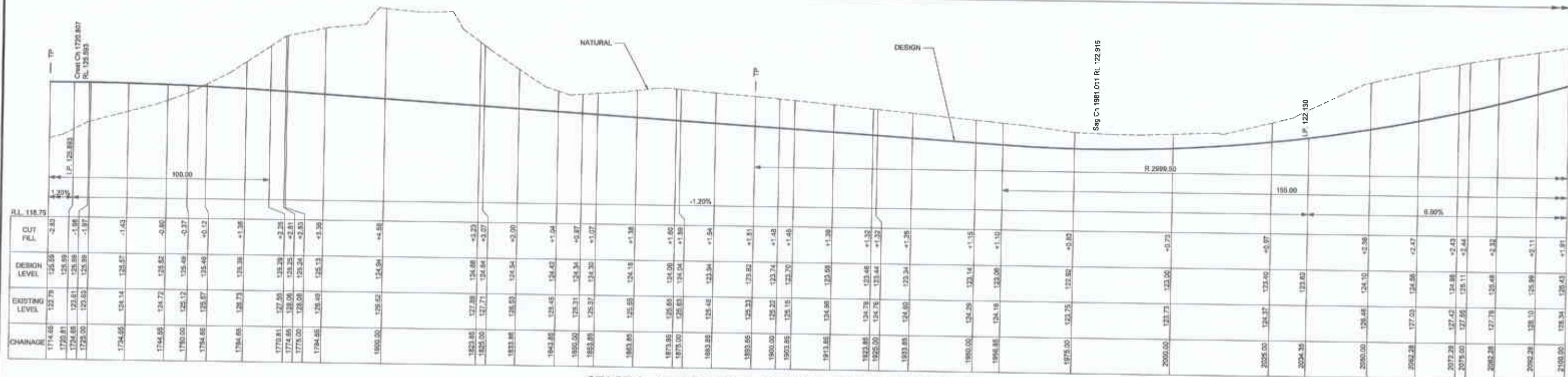


REFER ADJOINING SHEET
- SHEET 11

REFER ADJOINING SHEET
- SHEET 13

STAGE 3 - PLAN OF CIVIL WORKS - LIZ KERNOHAN DRIVE
CH 1714.65 TO CH 2100.00
SCALE: 1:500

PROPOSED LINK ROAD STAGE 3 & 4



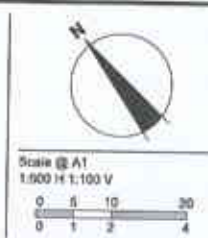
STAGE 3 - LONGITUDINAL SECTION - LIZ KERNOHAN DRIVE
CH 1714.65 TO CH 2100.00
SCALE: HOR 1:500 VER 1:100

NOTES:
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REVISION	DATE	BY	CHKD	APP'D
C STAGING AMENDED AT COUNCILS REQUEST	20/11/12	PS/MN	NW	
B STAGING AMENDED AT COUNCILS REQUEST	27/08/13	PS/MN	NW	
A STAGING AMENDED AT COUNCILS REQUEST	13/08/12	PS/MN	NW	
- INITIAL ISSUE	16/02/12			

Principal

Designed
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Drawn
PS/MN
Checked
N. WHISHAW
Authorised
P. G. McNAMARA
Date
JAN 2012



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Selling: +61 3 9228 5100

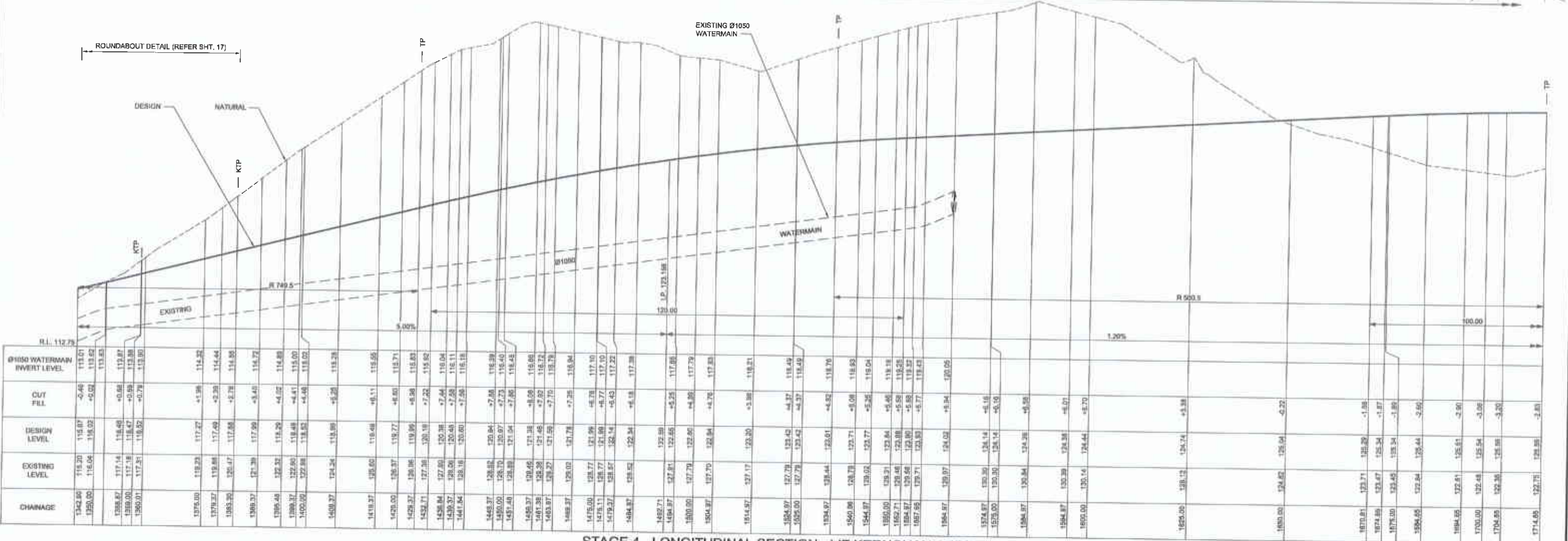
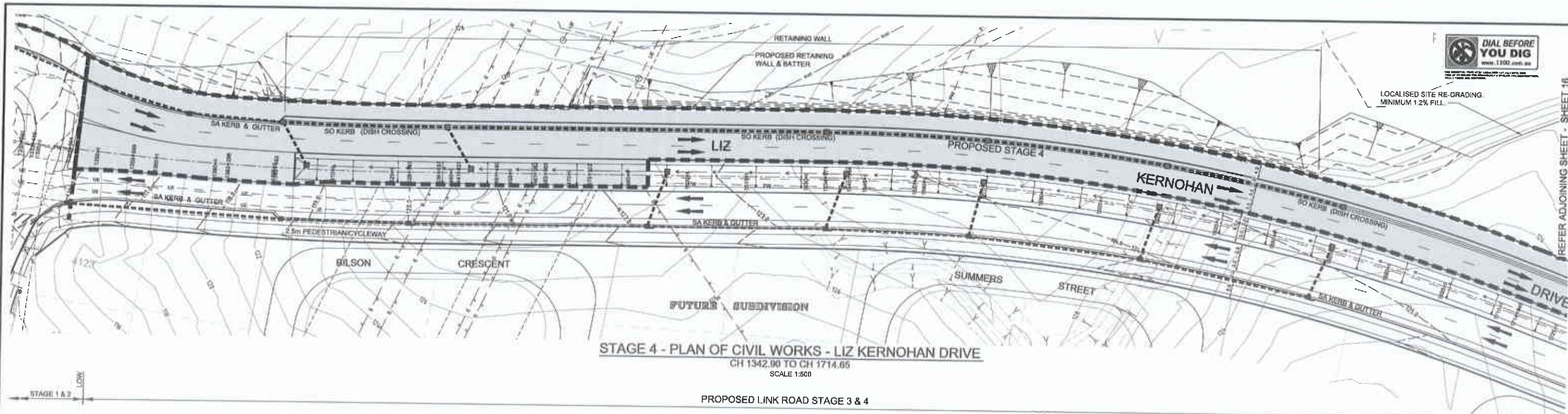
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Hydrology: +61 3 8809 0800
Traffic: +61 3 8052 3800
Transport: +61 3 8175 5100

SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 3 - CH 1714.65 TO CH 2100.00

Drawing No. 76893.01.M25
Sheet No. 12 of 36

Rev C

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DESIGNED: N. WHISHAW, B. STOKES
DRAWN: PSMN
CHECKED: N. WHISHAW
AUTHORIZED: P. G. McNAMARA
DATE: JAN 2012

SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 4 - CH 1342.90 TO CH 1714.65

Drawing No. 76893.01.M27
Sheet No. 14 of 36

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1	STAGING AMENDED AT COUNCILS REQUEST	20/11/12	PSMN	NW
2	STAGING AMENDED AT COUNCILS REQUEST	27/08/12	PSMN	NW
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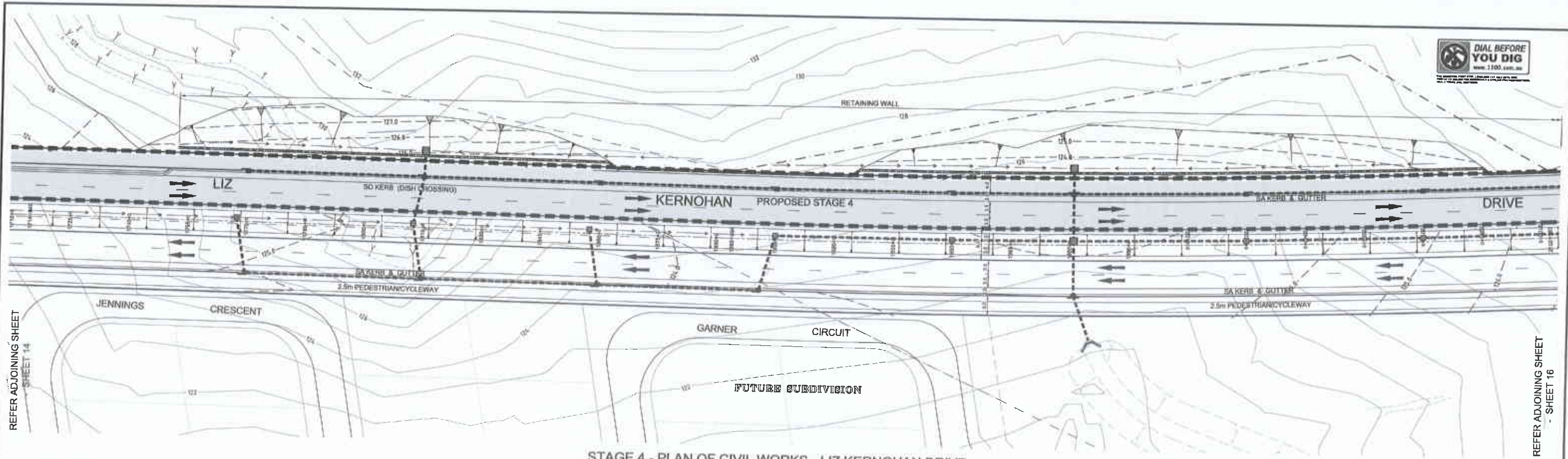
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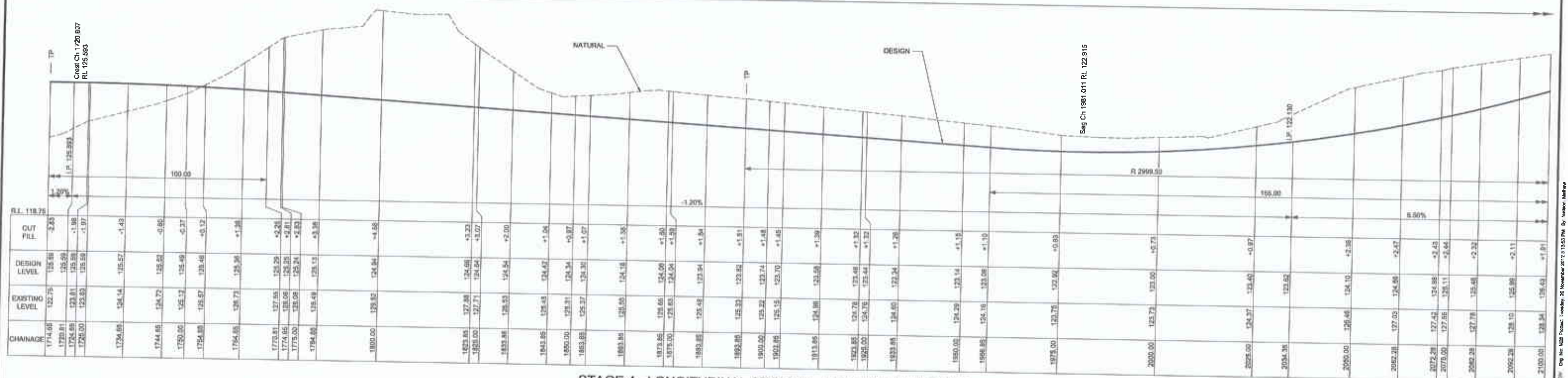
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STAGE 4 - PLAN OF CIVIL WORKS - LIZ KERNOHAN DRIVE
CH 1714.65 TO CH 2100.00
SCALE 1:500

PROPOSED LINK ROAD STAGE 3 & 4



STAGE 4 - LONGITUDINAL SECTION - LIZ KERNOHAN DRIVE
CH 1714.65 TO CH 2100.00
SCALE: HOR 1:500 VER 1:100

NOTES:

- 1 FOR GENERAL NOTES & LEGEND REFER SHEET 2 DRAWING No. 76893.01.M15

REVISION	DATE	DESIGN	APP'D
C STAGING AMENDED AT COUNCILS REQUEST	23/11/12	PS/MN	NW
B STAGING AMENDED AT COUNCILS REQUEST	27/09/12	PS/MN	NW
A STAGING AMENDED AT COUNCILS REQUEST	13/08/12	PS/MN	NW
- INITIAL ISSUE	16/02/12		

Principal

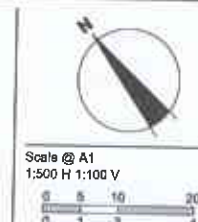
Designed
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Drawn
PS/MN

Checked
N. WHISHAW

Authorised
P. G. McNAMARA

Date
JAN 2012



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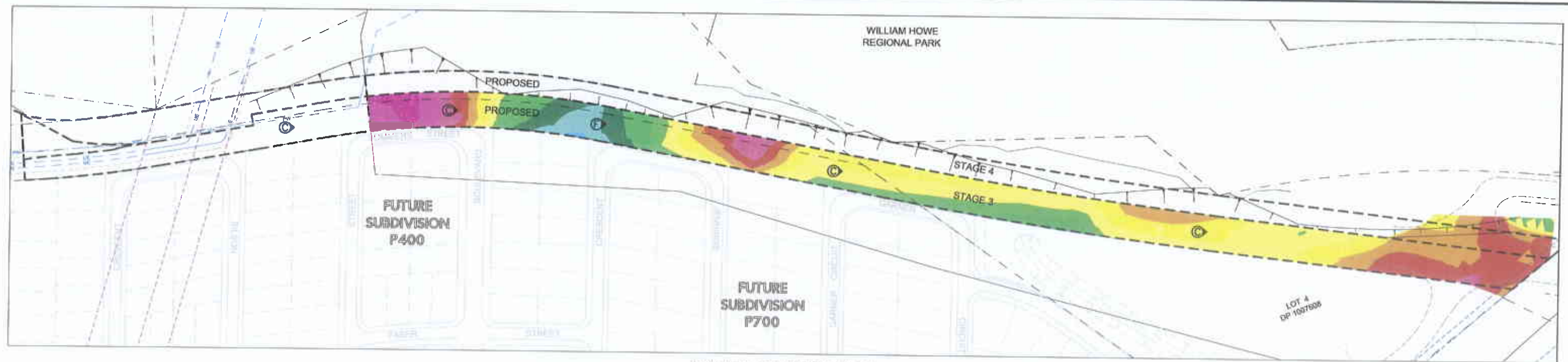
Address: +61 2 4628 1050
Mobile: +61 2 4628 1050
Fax: +61 2 4628 1050
Email: +61 2 4628 1050

SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
PLAN OF CIVIL WORKS AND LONGITUDINAL SECTION - STAGE 4 - CH 1714.65 TO CH 2100.00

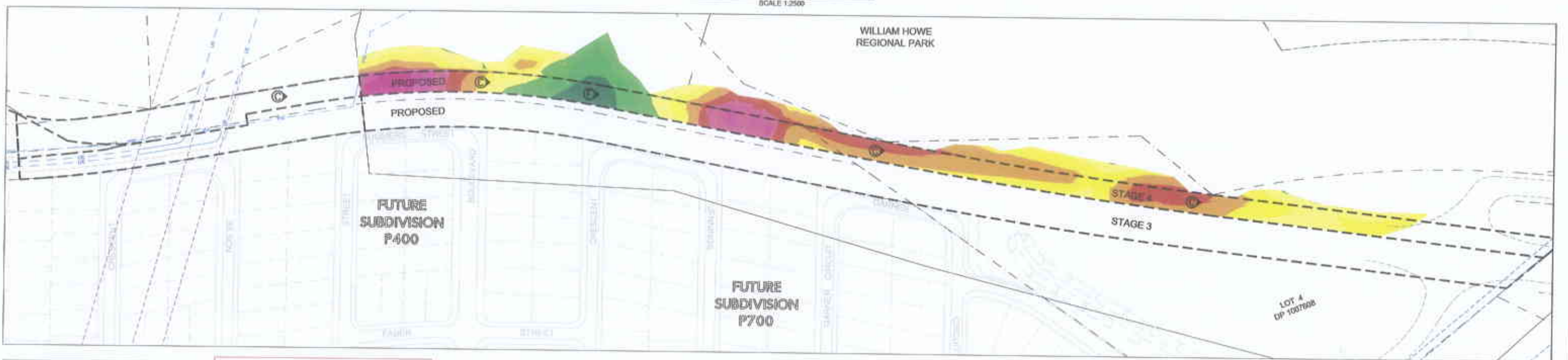
Drawing No. 76893.01.M28
Sheet No. 15 of 38

Rev C

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STAGE 3 - CUT & FILL PLAN
SCALE 1:2500



STAGE 4 - CUT & FILL PLAN
SCALE 1:2500

SURFACE ELEVATION DATA			
NUMBER	MINIMUM ELEVATION	MAXIMUM ELEVATION	COLOUR
1	-9.00	-8.00	
2	-8.00	-7.00	
3	-7.00	-6.00	
4	-6.00	-5.00	
5	-5.00	-4.00	
6	-4.00	-3.00	
7	-3.00	-2.00	
8	-2.00	-1.00	
9	-1.00	0.00	
10	0.00	1.00	
11	1.00	2.00	
12	2.00	3.00	
13	3.00	4.00	
14	4.00	5.00	
15	5.00	6.00	

BULK EARTHWORKS (LINK RD STAGES 3 & 4)

CUT = 76 264m³
FILL = 8 634m³

ALLOWANCES:
BOXING OF ROADS = 15 477m³
DRAINAGE SPOIL = 1 045m³
SEWER SPOIL = 685m³
WATER SPOIL = 585m³
TOTAL = 17 772m³

SUMMARY:
SURFACE AREA = 2.89ha
CUT/FILL = 8 634m³
EXPORT FILL = 80 402m³

LEGEND:

- SITE BOUNDARY
- CADASTRAL BOUNDARY
- PROPOSED STAGES BOUNDARY
- Ⓢ PROPOSED FILL AREA
- ⓐ PROPOSED CUT AREA

NOTES:

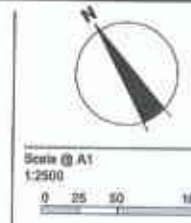
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REVISION	DATE	DESCRIPTION	APPD
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B STAGING AMENDED AT COUNCIL'S REQUEST	27/09/12	PS/MH	NW
A STAGING AMENDED AT COUNCIL'S REQUEST	13/06/12	PS/MH	NW
INITIAL ISSUE	16/02/12		



Principal

Designed
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Drawn
PS/MH
Checked
N. WHISHAW
Authorised
P. G. McNAMARA
Date
JAN 2012



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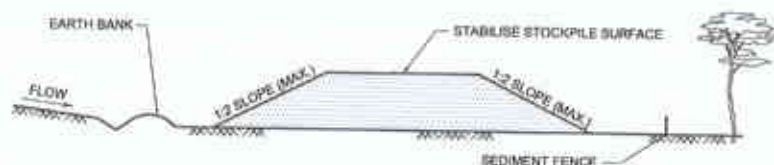
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Brisbane +61 7 3251 8988 Melbourne +61 3 9859 5820
Canberra +61 2 6155 1508 Perth +61 8 9223 5820
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SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
CUT & FILL PLAN - STAGES 3 & 4

Drawing No. 76893.01.M36
Sheet No. 23 of 38

Rev C

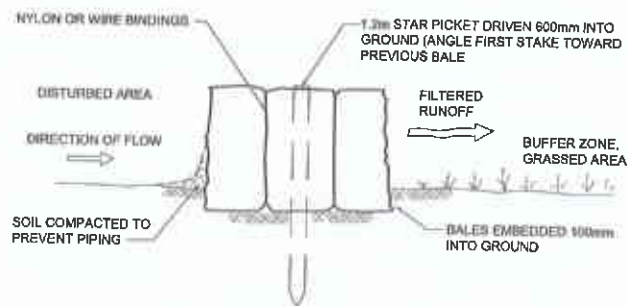
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**SD 4-1
STOCKPILES**
N.T.S.

CONSTRUCTION NOTES:

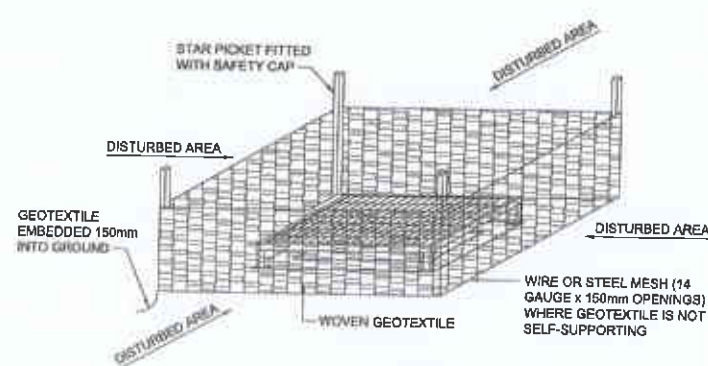
1. LOCATE STOCKPILE AT LEAST 6m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND.
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP.
5. CONSTRUCT EARTH BANK (STANDARD DRAWING 5-7) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (STANDARD DRAWING 6-7) 1 TO 2m DOWNSLOPE OF STOCKPILE.



**SD 6-6
STRAW BALE FILTER**
N.T.S.

CONSTRUCTION NOTES:

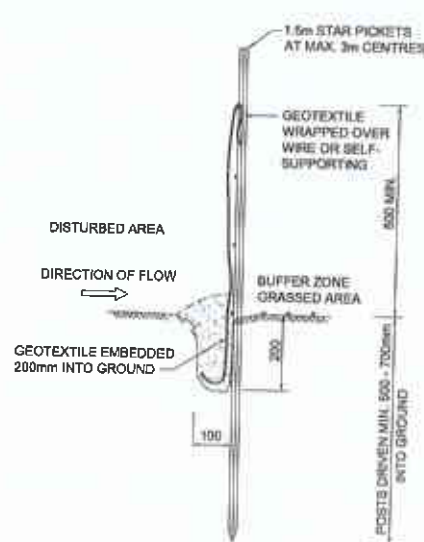
1. CONSTRUCT STRAW BALE FILTER AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR AT THE TOE OF A SLOPE.
2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY BUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAW TO BE PLACED PARALLEL TO GROUND.
3. MAXIMUM HEIGHT OF FILTER IS ONE BALE.
4. ON SOFT MATERIALS, EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.5m STAR PICKETS. ANGLE THE FIRST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE STAKES 600mm INTO THE GROUND AND FLUSH WITH THE TOP OF THE BALE.
5. WHERE STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM A DISTURBED BATTER THE BALES SHOULD BE LOCATED 1.5m TO 2m DOWNSLOPE FROM THE TOE OF THE BATTER.



**SD 6-9
PLAN OF SURFACE INLET SEDIMENT TRAP**
N.T.S.

CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. SUPPORT GEOTEXTILE WITH MESH TIED TO POSTS AT 1m CENTRES.
3. DO NOT COVER INLET WITH GEOTEXTILE.
4. CONSTRUCTION DETAILS ARE SIMILAR TO STANDARD DRAWING SD 6-6 AND SD 6-7.



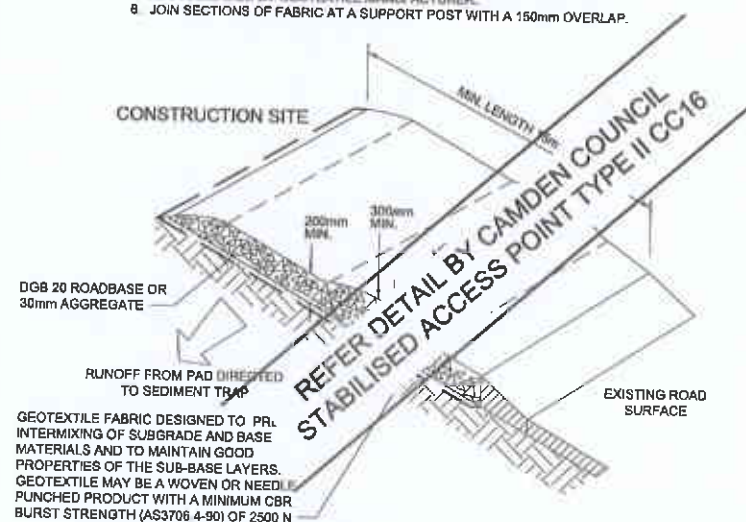
**SD 6-7
SEDIMENT FENCE
ELEVATION**
N.T.S.



**SD 6-7
SEDIMENT FENCE
PLAN**
N.T.S.

CONSTRUCTION NOTES:

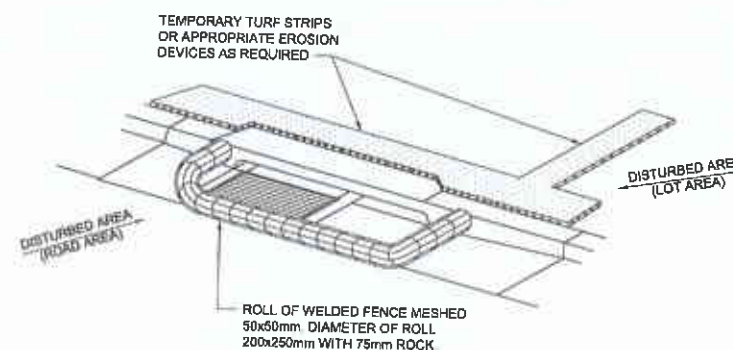
1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART.
3. DIG A 200mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX 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.



**SD 5-7
STABILISED SITE ACCESS**
N.T.S.

CONSTRUCTION NOTES:

1. STRIP TOPSOIL & LEVEL SITE.
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE. MINIMUM LENGTH 15m OR TO BUILDING ALIGNMENT. MINIMUM WIDTH 3m.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP.



PLAN OF KERB INLET SEDIMENT TRAP
N.T.S.

**SEDIMENT & EROSION CONTROL
GENERAL NOTES:**

1. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO DISTURBANCE OF THE RELATED CATCHMENT AREA AND TO THE STANDARDS OF THE N.S.W. DEPARTMENT OF HOUSING MANAGING URBAN STORMWATER (SOILS AND CONSTRUCTION 4TH EDITION MARCH 2004).
2. TOPSOIL SHALL BE STRIPPED AND STOCKPILED OUTSIDE HAZARD AREAS AS SHOWN ON PLANS. THIS TOPSOIL IS TO BE RESPREAD LATER ON AREAS TO BE REVEGETATED AND STABILISED ONLY. (I.E. ALL FOOTPATHS, TOPSOIL SHALL NOT BE RESPREAD ON ANY OTHER AREAS UNLESS BATTERS) SPECIFICALLY INSTRUCTED BY THE SUPERINTENDENT. IF STOCKPILES ARE TO REMAIN FOR LONGER THAN 14 DAYS STOCKPILES SHALL BE PROTECTED FROM EROSION BY COVERING THEM WITH A MULCH AND HYDROSEEDING AND, IF NECESSARY, BY LOCATING BANS OR DRAINS UPSLOPE TO DIVERT THE RUNOFF AROUND THEM. IN SOME CIRCUMSTANCES IT MAY BE NECESSARY TO PLACE BANS OR DRAINS DOWNSLOPE OF A STOCKPILE TO RETARD SEDIMENT LADEN RUNOFF.
3. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES BEFORE NO MORE THAN 80% 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 FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
4. VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING CONSTRUCTION CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS.
5. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL UNTIL FINAL COMPLETION OF WORKS.
6. THE CONTRACTOR MUST COMMENCE REHABILITATION WITHIN A REASONABLE TIME OF ANY SITE REGRADING AND BATTER FORMATION.

WASTE CONTROL:

1. THE CONTRACTOR TO BE RESPONSIBLE FOR WASTE DISPOSAL ON SITE.
2. ALL BUILDING PRODUCTS & CLEARED VEGETATION TO BE REMOVED OFF SITE IN AN APPROVED MANNER TO LICENSED LAND FILL SITE.
3. EQUIPMENT MAINTENANCE & REFUELLING OF CONSTRUCTION VEHICLES TO BE DONE IN A DESIGNATED AREA USING BURNING AND BEST PRACTICE MANAGEMENT CONTROLS FOR REFUELLING.
4. ALL SPILLS TO BE CLEARED UP IMMEDIATELY IN ACCORDANCE WITH RTA GUIDELINES.

EARTHWORK/GRASSING:

1. EARTHWORKS TO BE CARRIED OUT TO THE SATISFACTION OF RTA REPRESENTATIVE. UNSOUND MATERIALS ARE TO BE REMOVED FROM ROADS & LOT AREAS AND DISPOSED OF OFF SITE. BULK EARTHWORKS & FILLING OPERATION OF ROADS & LOTS TO BE IN ACCORDANCE WITH GEOTECHNICAL NOTES AND THE CONTRACTOR TO MAKE AVAILABLE COMPACTION CERTIFICATES WHERE REQUIRED.
2. ALL DISTURBED AREAS NOT BEING TURF ARE TO BE SEEDED IN ACCORDANCE WITH RTA SPECIFICATION.
3. TOP SOIL SHALL BE STRIPPED FROM CUT AND FILL AREAS ETC., STOCKPILED AND SPREAD ON DISTURBED AREAS ON COMPLETION OF REGRADING (NONE TO BE REMOVED FROM SITE).

REVISION	DATE	DESIGN	APP'D
C STAGING AMENDED AT COUNCILS REQUEST	20/11/12	PS/MN	NW
B STAGING AMENDED AT COUNCILS REQUEST	27/09/12	PS/MN	NW
A STAGING AMENDED AT COUNCILS REQUEST	13/08/12	PS/MN	NW
- INITIAL ISSUE	18/03/12	-	-



Principal

Designed
N. WHISPAW, B. STOKES
Drawn
PS/MN
Checked
AL WHISPAW
Authorised
P. G. MONAMARA
Date
JAN 2012

Scale @ A1
N.T.S.

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SPRING FARM
LIZ KERNOHAN DRIVE
CAMDEN COUNCIL
SOIL & WATER MANAGEMENT - DETAILS & NOTES

Drawing No. 76893.01.M43
Sheet No. 30 of 38

Rev C

Preliminary Plan
Not to be used for construction