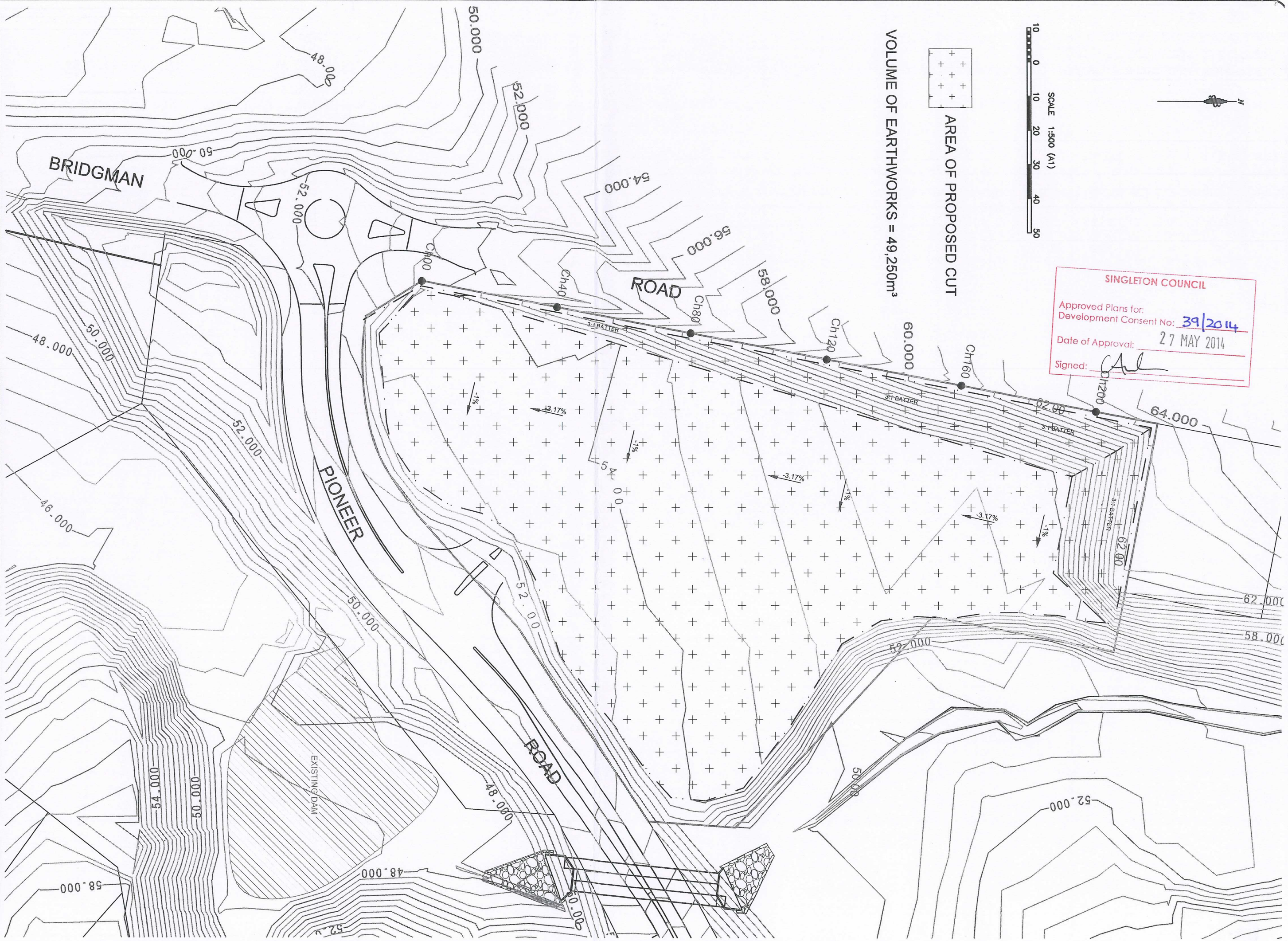




AREA OF PROPOSED CUT

VOLUME OF EARTHWORKS = 49,250m³

SINGLETON COUNCIL
Approved Plans for:
Development Consent No: 39/2014
Date of Approval: 27 MAY 2014
Signed: CAE



Et.	A
Details of Revisions	27/1/14

Scale:	1500 (A1)	Datum:	AD
Origin:	SSM 14425	Contour Int:	0.5m
Designed:	JH	Drawn:	B.B.
Checked:	JH	Approved:	JH
Job Number:	3054-COM	Drawing File:	3054-P-COMREG-6
Registered Surveyor:			



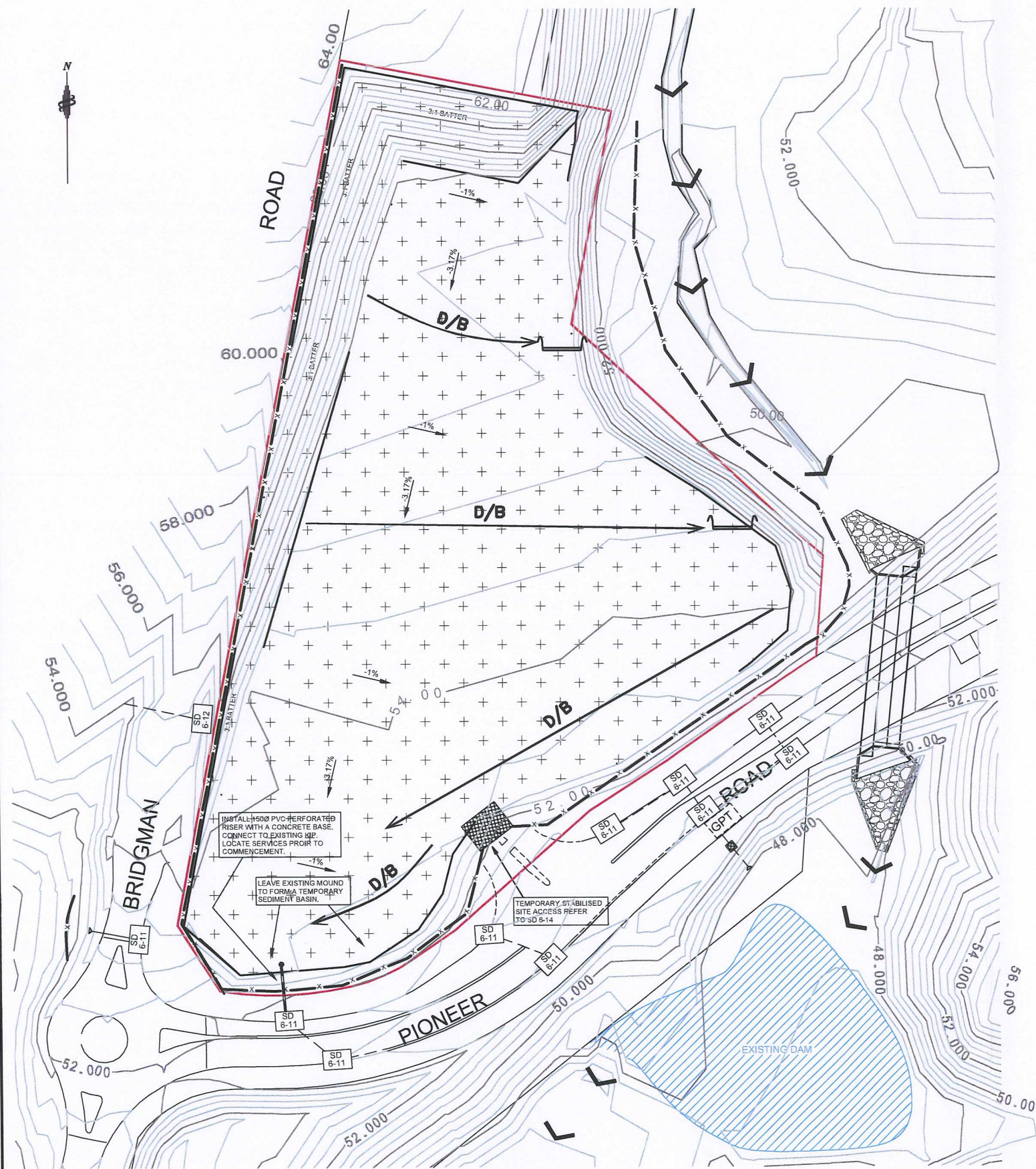
**Land Development
SOLUTIONS**

Surveying • Planning • Engineering

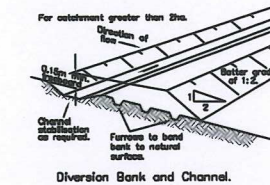
PO Box 853 THE JUNCTION NSW 2291
Phone: (02) 4963 5520 Fax: (02) 4963 5521
E-mail: mail@lds.net.au Web:
ABN: 42 110 897 928

SITE REGRADING
LOT 31 DP 1140924
BRIDGMAN RIDGE ESTATE
WATTLE PONDS

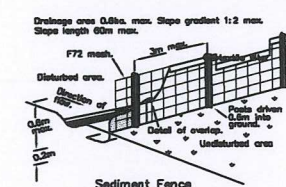
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Edition	A	



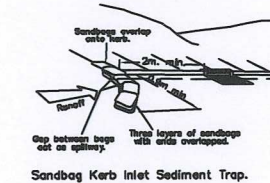
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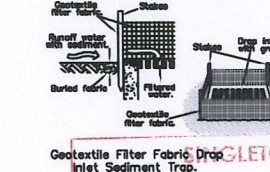
DETAIL "SD6-8"



DETAIL "SD6-11"



DETAIL "SD6-12"



APPROVED PLANS FOR:
Development Consent No: 39/2014
Date of Approval: 27 MAY 2014
Signature: [Signature]

Approved Plans for:
Development Consent No: 39/2014
Date of Approval: 27 MAY 2014
Signature: [Signature]

LEGEND:
DIVERSION BANK REFER TO SD 5-6
GRASSED SWALE OR NATURAL WATERWAY
SEDIMENT TRAP REFER TO SD 6-11
SEDIMENT TRAP REFER TO SD 6-12
SEDIMENT FENCE REFER TO SD 6-8

EROSION AND SEDIMENT CONTROL REQUIREMENTS

- ALL EROSION & SEDIMENTATION CONTROL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE LANDCOM GUIDELINES "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, 4th EDITION MARCH 2004."
- ALL EROSION & SEDIMENTATION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO SITE DISTURBANCE AND TO BE MAINTAINED IN A FUNCTIONING CONDITION.
- SELECTIVE CLEARING OF VEGETATION TO BE RESTRICTED TO NOMINATED AREAS.
- DEVELOPMENT SHOULD BE STAGED TO MINIMISE THE AREA EXPOSED TO EROSION AT ANY ONE TIME.
- SILT FENCES ARE TO BE ERECTED PRIOR TO ANY OTHER SITE WORKS.
- CONSTRUCT PIPELINES INITIALLY TO PROTECT WORKS FROM STORMWATER RUNOFF DURING CONSTRUCTION AND TO MINIMISE EROSION.
- TOPSOIL SHOULD BE PROGRESSIVELY STRIPPED FROM EACH AREA AND STOCKPILED FOR LATER RESREADING AND REVEGETATION.
- ALL BATTERS AND DISTURBED AREAS ARE TO BE SPREAD WITH TOPSOIL AND GRASS SEEDS USING SEED MIX SPECIFIED IN THE DEPARTMENT OF HOUSING CONSTRUCTION SPECIFICATION. STEEPER BATTERS TO BE MULCHED WITH ON SITE MATERIAL TO 75mm.
- NO AREAS TO REMAIN EXPOSED TO EROSION DAMAGE DURING OR AFTER CONSTRUCTION.
- STORMWATER RUNOFF IS TO BE DIRECTED INTO AND FILTERED THROUGH SEDIMENT TRAPPING STRUCTURES SUCH AS SILT FENCES AND STRAW BALES.
- SILT FENCES ON FILLED AREAS ARE TO BE PLACED AT THE COMPLETION OF FILLING AND GRADING.
- ALL SEDIMENT TRAPS ARE TO BE IN PLACE AT THE END OF WORK EACH DAY.
- DIVERSION BANK CHANNELS ARE TO BE STABILISED IF SCOURING BECOMES EVIDENT. DIVERSION BANK OUTLETS ARE TO BE STABILISED AT INSTALLATION OF BANK.
- NO MORE THAN 150 METRES OF TRENCH TO BE OPEN AT THE ONE TIME. ALL TEMPORARY EARTH STRUCTURES, INCLUDING SOIL STOCKPILES, BE TRACK ROLLED AND SEEDED WITHIN 14 DAYS OF THEIR CONSTRUCTION.
- DIVERSION BANKS TO BE CONSTRUCTED TO DIRECT SURFACE FLOWS TOWARDS NATURAL GRASSED AREAS OR SEDIMENT TRAPS. BANKS MAX GRADE 1%. SEE DETAIL "A".
- ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED AFTER EACH RAINFALL EVENT AND REINSTATED IF NECESSARY.
- KERB INLET PIT PROTECTION IS TO BE CONSTRUCTED AS SOON AS SUB GRADE IS AT OR NEAR TO KERB LEVEL. REFER TO SD 6-11.
- TREATMENT FOR INTER ALLOTMENT DRAINAGE CORRIDORS, TURF STRIPS 2m LONG TO BE LAID ALONG CONTOUR AT 5m CTS.
- ALL SWALE DRAINS TO BE FULLY TURFED.
- FULLY TURF BETWEEN KERBS AND BOUNDARY AND LANDSCAPE IN ACCORDANCE WITH THE APPROVED PLANS PREPARED BY MOIR LANDSCAPE ARCHITECTS.
- LAY OBLIQUE TURF STRIPS AT 2m CENTRES & PIN ON REGRADING BATTERS WITHIN THE RESERVE AT THE REAR OF LOTS 9, 10, 12, 15 & THE END OF ROAD 1, TOPSOIL AND GRASS SEED.
- LAY OBLIQUE TURF STRIPS AT 10m CENTRES ON SITE REGRADING AREAS WITHIN LOTS.
- INSTALL SEDIMENT FENCE IN THE EVENT OF RAIN OR ON COMPLETION OF WEEKS WORK (FRIDAY OR SATURDAY)
- UNDER SOW AREAS TO BE MULCHED (WOOD CHIP) WITH :
- 15kg/ha. JAPANESE MILLET (SPRING - LATE SUMMER)
- 30kg/ha. BARLEY / RYE CORN + NITRAM 200kg/ha.
+ N.P.K. 100kg/ha. (AUTUMN - WINTER)
- ALL CONTROLS SHOWN ON THIS PLAN ARE INDICATIVE ONLY AND THEIR EXACT LOCATIONS OR EXTENT SHOULD BE DETERMINED ON SITE. ANY VARIATIONS ARE TO BE DISCUSSED WITH THE SITE SUPERINTENDENT AND APPROVED ACCORDINGLY BEFORE THE COMMENCEMENT OF WORKS.
- THIS PLAN IS SUBJECT TO AN ONSITE MEETING BETWEEN THE CONTRACTOR, COUNCIL AND THE SUPERINTENDENT TO DISCUSS ITS IMPLEMENTATION.
- THE LIMIT OF CLEARING AND GRADING IS TO BE MINIMISED AND NOT TO EXCEED BEYOND THE LIMIT OF WORKS AS SHOWN ON THE PLAN

SEDIMENT & EROSION MANAGEMENT

CONSTRUCTION, STAGING & MANAGEMENT

- CONSTRUCT THE SWALE DRAIN AND SEDIMENT POND FIRST.
- NEXT CONSTRUCT ALL DRAINAGE LINES.
- PLACE SEDIMENT CONTROL DEVICES ON ALL INLET PITS AS SHOWN ON THE PLAN.
- DURING THE FILL PLACEMENT, AT THE END OF EACH DAYS OPERATIONS, SMALL CROSS BANKS SHOULD BE SCRIBED ALONG THE CONTOUR. AT A SPACING OF 3 METRES OF FALL DOWN THE SLOPE.
- CONSTRUCT DIVERSION BANKS TO DIRECT WATER INTO THE STORMWATER SYSTEM.
- THROUGHOUT THE DURATION OF CONSTRUCTION PERIOD ALL SEDIMENT AND EROSION CONTROL DEVICES ARE TO BE IN PLACE AT THE END OF EACH DAY. THEY ARE TO BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT AND REINSTATED IF NECESSARY.
- REVEGETATE AND LANDSCAPE THE SITE.

POST CONSTRUCTION REHABILITATION & MAINTENANCE

- REMOVE SEDIMENT TRAPS FROM ALL DRAINAGE LINE INLETS & REMOVE SEDIMENT FROM PITS.
- UNDERTAKE MONTHLY INSPECTIONS OR IMMEDIATELY AFTER A STORM EVENT. REINSTATE ANY TURF, MULCH OR LANDSCAPING AS REQUIRED. ALSO TO REMOVE ANY SEDIMENT FROM DRAINAGE INLETS & PITS, FOR A PERIOD OF THREE MONTHS AFTER COMPLETION.

REFERENCES ARE TO THE STANDARD DRAWINGS OF
"MANAGING URBAN STORMWATER - SOILS & CONSTRUCTION"
4th EDITION, MARCH 2004. PRODUCED BY LANDCOM

B A	OUTLET PIPE LOCATION AMENDED FIRST ISSUE	11/04/14 21/01/14
Ed.	Details of Revisions	Date

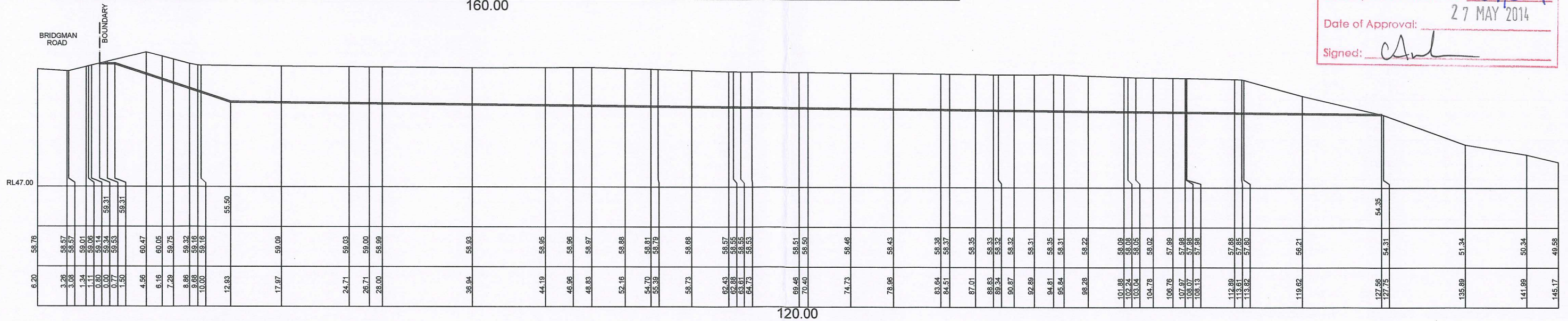
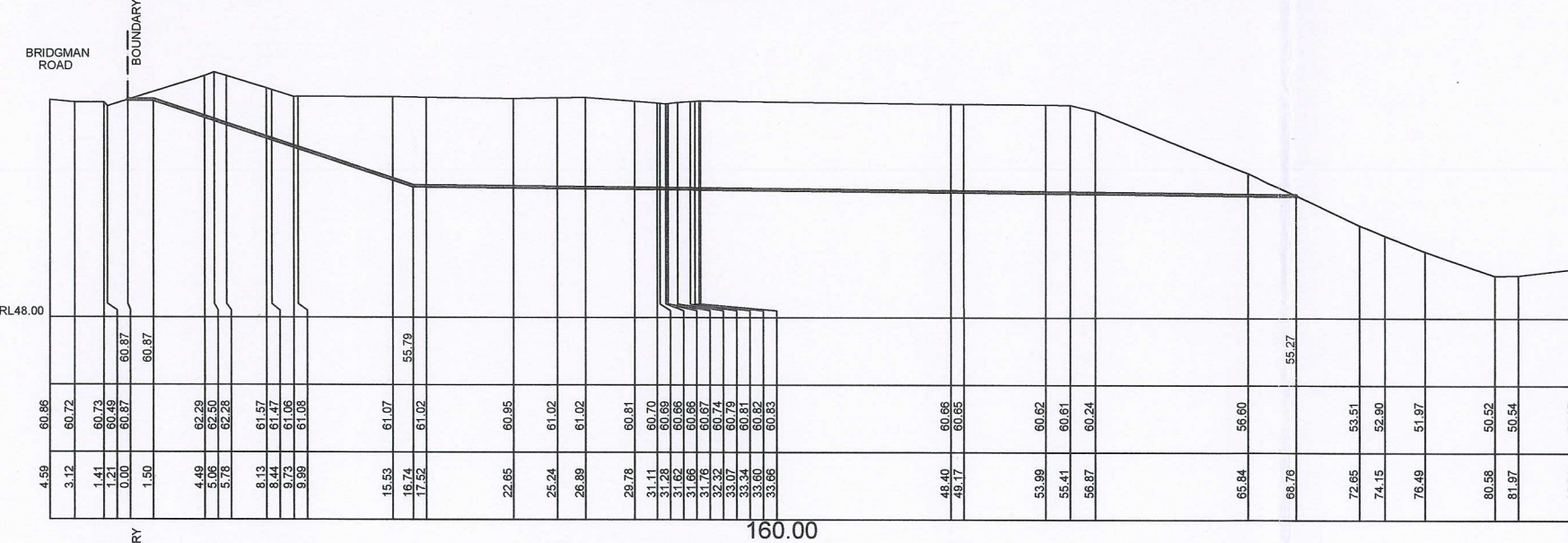
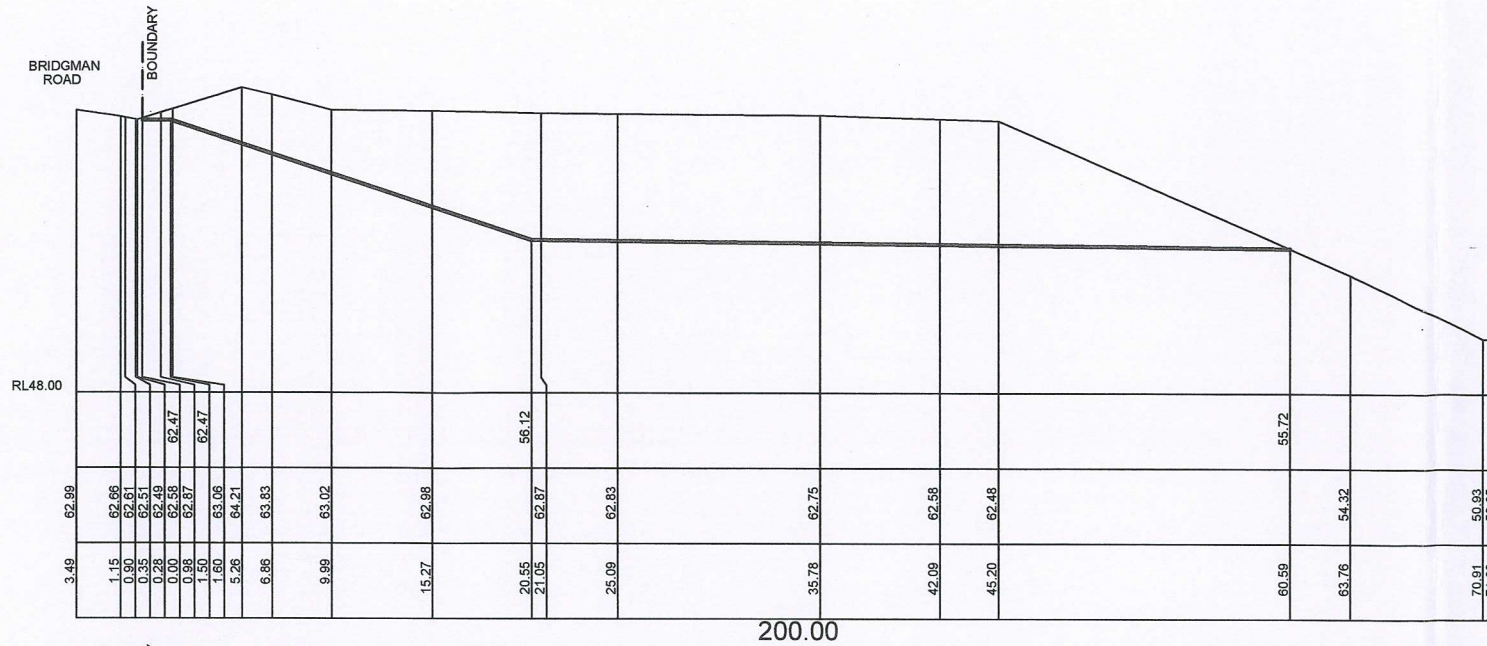
	Client / Development-Consent-Number
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Origin: SSN 144259	Contour Int: 0.5m
Designed: B.B.	Drawn: B.B.
Checked: J.H.	Approved: J.H.
Job Number: 3056	Drawing File: 3056-Commreg-Sediment
Registered Surveyor:	

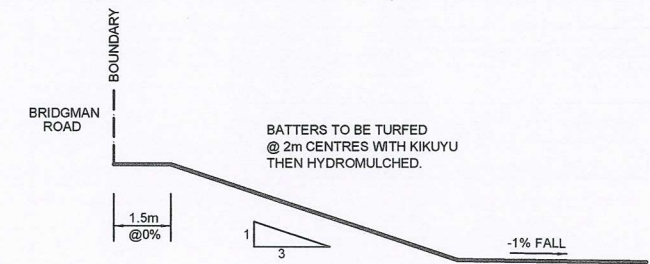
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SITE REGRADING LOT 31 DP1140924
SEDIMENT & EROSION CONTROL
BRIDGMAN RIDGE ESTATE
WATTLE PONDS

Drawing Number	Edition
4	B
Sheet 4 of 4	



SCALE 1:200 (A1)



TYPICAL SECTION
N.T.S.

SINGLETON COUNCIL

Approved Plans for:
Development Consent No: 39/2014

Date of Approval: 27 MAY 2014

Signed: [Signature]

A	FIRST ISSUE	21/01/14
Ed.	Details of Revisions	Date

 Client / Council Development Consent Number	
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Scale: 1:2000 (A1) 1:4000 (A3)
 Datum: AHD
 Origin: Contour Int: 0.5m
 Designed: J.H.
 Checked: B.B.
 Job Number: 3056
 Drawn: B.B.
 Approved: J.H.
 Drawing File: 3056-SUB-15.dwg
 Registered Surveyor:



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SITE REGRADING LOT 31 DP1140924
 INDICATIVE CROSS SECTIONS - 2
 BRIDGMAN RIDGE ESTATE
 WATTLE PONDS

Drawing Number	Edition
3	A
Sheet 3 of 4	