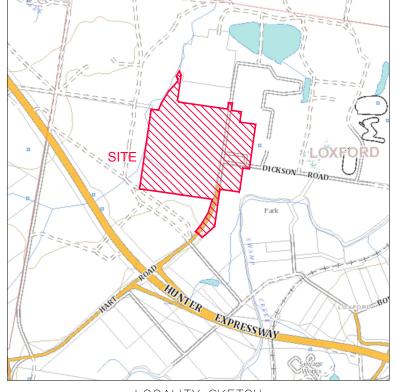
YOU DIG 08.02.2023 INITIAL ISSUE REVISED ISSUE

PROPOSED INDUSTRIAL SUBDIVISION REGROWTH KURRI KURRI STAGE 1 & 2 HART ROAD, LOXFORD NSW

GENERAL NOTES:-

- 1. ALL DIMENSIONS OF EASEMENTS AND LOTS ARE SUBJECT TO REGISTRATION OF DEPOSITED PLAN.
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION MANAGEMENT PLAN, AND COUNCIL'S ENGINEERING REQUIREMENTS FOR DEVELOPMENTS
- THE LOCATION OF ALL EROSION AND SEDIMENT CONTROL DEVICES ARE TO BE CONFIRMED ON SITE AFTER PEGGING OF ROAD LOCATION IN CONSULTATION WITH COUNCIL STAFF PRIOR TO THEIR INSTALLATION. EROSION & SEDIMENT CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO CONSTRUCTION COMMENCING, AND MAINTAINED DURING THE CONTRACT PERIOD UNTIL 60% VEGETATIVE COVER ACHIEVED.
- 4. ALL CONCRETE STORMWATER DRAINAGE PIPES ARE TO BE RUBBER RING JOINTED REINFORCED CONCRETE PIPES (R.C.P.) OR APPROVED EQUIVALENT.
- ALL INTERALLOTMENT DRAINAGE TO BE SEWER GRADE UPVC (UNLESS OTHERWISE SHOWN) OR AN APPROVED FOLUVALENT. THE MINIMUM SLOPE OF INTERALLOTMENT DRAINAGE LINES SHALL BE 0.5%. THE INTERALLOTMENT DRAINAGE UNLESS SHOWN OTHERWISE, SHALL BE A MINIMUM OF 0.75m FROM THE BOUNDARY AND LOCATED WITHIN EASEMENT AS SHOWN.
- ALL EXISTING UNDERGROUND SERVICES MUST BE LOCATED AND EXPOSED PRIOR TO EARTHWORKS COMMENCING AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM BOTH POSITION & LEVEL OF THESE UTILITIES IN CONJUNCTION WITH THE APPROPRIATE AUTHORITY.
- SUBSOIL DRAINS ARE TO BE PROVIDED AS LOCATED ON PLANS AND TO COUNCIL INSPECTOR'S SATISFACTION.
- PAVEMENT THICKNESS AND ASSOCIATED EARTHWORKS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT WITHIN ROADWAYS BY THE PROJECT
- EARTHWORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE RECOMMENDATIONS OUTLINED IN AS3798-2007 'GUIDELINES FOR EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS'. LEVEL 1 SUPERVISION REQUIRED FOR ALL LOT FILL AND FILL GREATER THAN 2M. FOR FILL LESS THAN 2M, LEVEL 2 SUPERVISION IS APPROPRIATE. FILL IS TO BE PLACED IN HORIZONTAL LAYERS WITH COMPACTION OF EACH LAYER TO A MINIMUM DRY DENSITY RATIO OF 95% STANDARD COMPACTION.
- THE SOURCE OF ROCK FOR EMBANKMENT FACING, RETAINING WALLS, CATCH DRAINS, AND LINED SPILLWAYS SHOULD BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER TO ENSURE THAT THE ROCK IS SUFFICIENTLY DURABLE FOR THE APPLICATION.
- WORKING HOURS ON SITE SHALL BE IN ACCORDANCE WITH EPA REQUIREMENTS AND CCC CONDITIONS OF CONSENT
- 12. VEHICULAR ACCESS AND ALL SERVICES ARE TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION WORKS.
- MAINTENANCE ON ALL SEEDED AREAS SHALL BE OVER A 3 MONTH PERIOD.
- 15. ALL LEVELS MUST BE OBTAINED FROM ESTABLISHED BENCH MARKS AS DIRECTED BY THE SUPERINTENDENT
- THE CONTRACTOR IS TO ENSURE THAT ALL UNDESIRABLE MATERIAL (INCL. VEGETATIVE MATERIAL) IS REMOVED FROM THE SUBGRADE LEVEL OF THE PROPOSED ROAD PRIOR TO ANY ROAD
- THE CONTRACTOR IS TO ENSURE THAT ALL THE NECESSARY SERVICE PIPE CONDUITS AND FITTINGS ARE IN PLACE PRIOR TO THE KERB BEING PLACED
- 18. ALL INTERALLOTMENT DRAINAGE PITS TO BE CONSTRUCTED IN ACCORDANCE WITH CESSNOCK CITY COUNCILS STANDARD DRAWINGS
- 19. ALL KERB INLET PITS TO BE CONSTRUCTED IN ACCORDANCE WITH CESSNOCK CITY COUNCILS STANDARD DRAWINGS.
- 20. ANY STORMWATER PITS OVER 1200mm DEEP REQUIRE INSTALLATION OF STEP IRONS.
- 21. ALL PITS TO BE BENCHED AND STREAMLINED
- ALL HEADWALLS SHALL BE CAST INSITU AND CONSTRUCTED IN ACCORDANCE WITH RTA STD. DRAWING MD.R11.A02.A.1 (MIN. REQUIREMENT) AND CESSNOCK CITY COUNCIL'S STANDARD DRAWING SD12. UNLESS OTHERWISE STATED.
- 24. CLEARING AND GRUBBING NO TREES ARE TO BE REMOVED WITHOUT PERMISSION UNLESS OTHERWISE IDENTIFIED OUTSIDE OF LIMIT OF WORKS.
- SURVEY MARKS ARE TO BE CAREFULLY PRESERVED BY THE CONTRACTOR. DAMAGED DESTROYED OR LOST MARKS WILL BE REPLACED BY THE SUPERVISING SURVEYOR AT THE CONTRACTOR'S
- 26. ALL SIGNPOSTING & LINEMARKING TO BE IN ACCORDANCE WITH AS 1742.2 1994 PART 2.
- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE:

 - SOIL AND WATER MANAGEMENT PLAN. CONSTRUCTION MANAGEMENT PLAN.
 - CESSNOCK CITY COUNCIL CONDITIONS OF DEVELOPMENT CONSENT
 - TREES AND OTHER VEGETATION MAY ONLY BE REMOVED FROM THE SITE OF ROAD, DRAINAGE, BUSHFIRE MITIGATION AND REGRADING WORKS. AN APPLICATION SHALL BE MADE TO COUNCIL FOR THE REMOVAL OF ANY OTHER TREES.
- TREES AND SHRUBS WHICH ARE FELLED SHALL BE SALVAGED FOR RE-USE, EITHER IN LOG FORM, OR AS A WOODCHIP MULCH FOR EROSION CONTROL AND/OR SITE REHABILITATION. NON-SALVAGEABLE MATERIAL SUCH AS ROOTS AND STUMPS SHALL BE DISPOSED OF IN AN APPROVED MANNER.
- 29. CONTRACTOR IS TO UNDERTAKE CCTV INSPECTION OF ALL CONSTRUCTED STORMWATER INFRASTRUCTURE, PREPARE FINDINGS AND REPORT TO COUNCIL.
- 30. SUBSOIL FLUSH POINTS SHOULD BE PROVIDED AT 80m INTERVALS IN ACCORDANCE WITH SECTION 6.8.2 OF COUNCIL'S 'ENGINEERING REQUIREMENTS FOR DEVELOPMENT'.



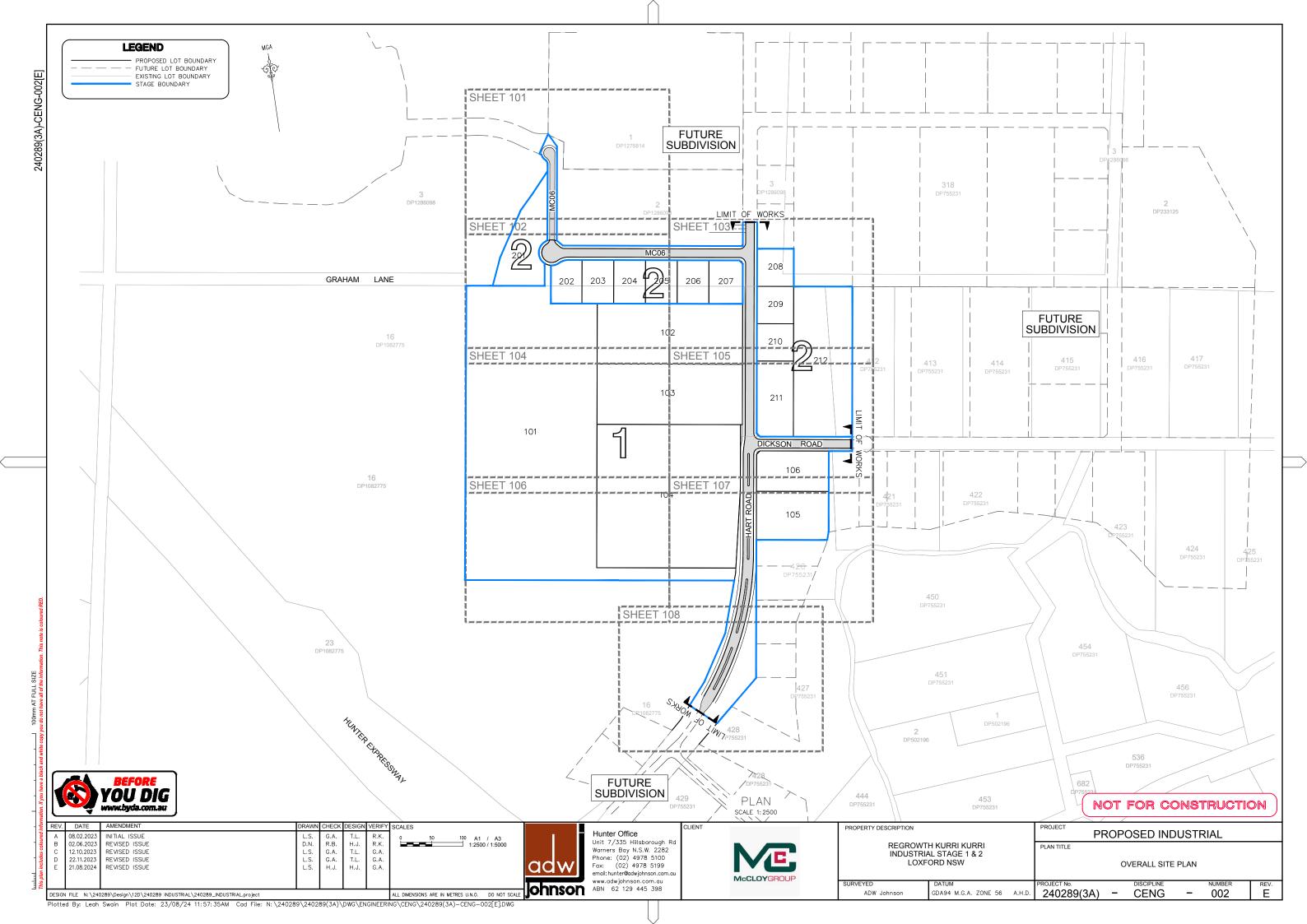
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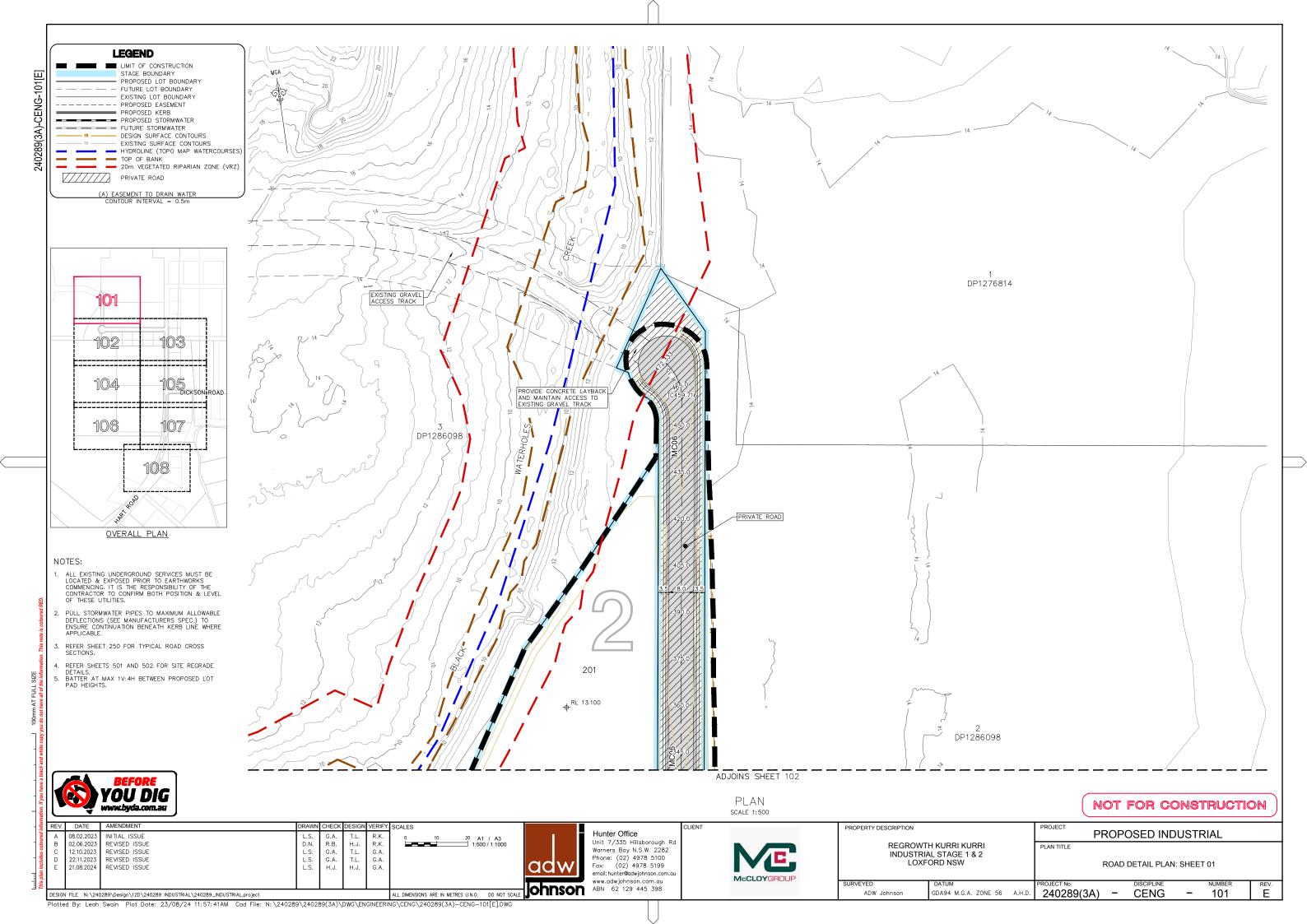
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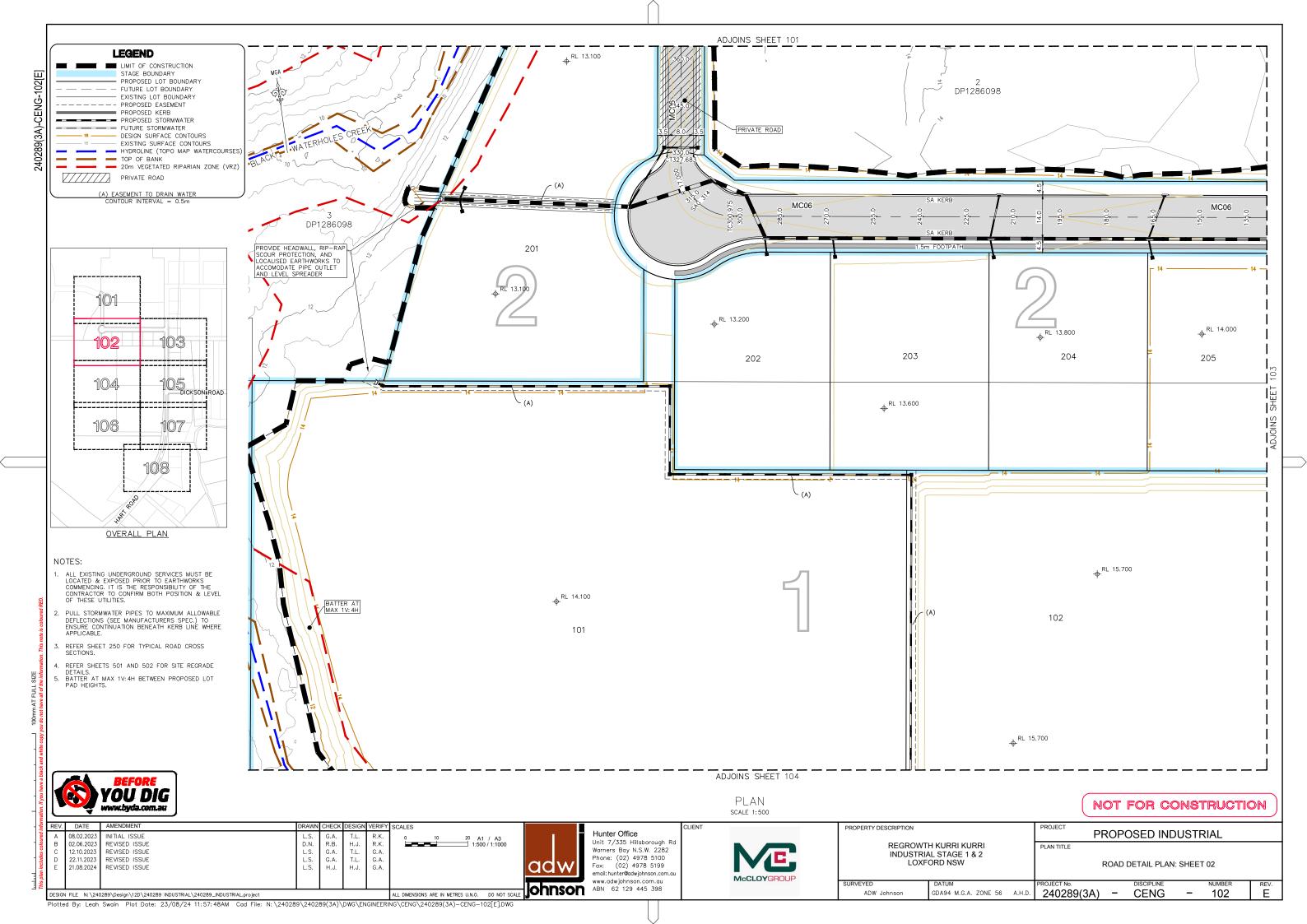
	Sheet List Table
Sheet Title	Sheet Description
240289(3A)-CENG-001[B]	TITLESHEET, DRAWING INDEX, GENERAL NOTES, & LOCALITY PLAN
240289(3A)-CENG-002[B]	OVERALL SITE PLAN
240289(3A)-CENG-101[B]	ROAD DETAIL PLAN: SHEET 01
240289(3A)-CENG-102[B]	ROAD DETAIL PLAN: SHEET 02
240289(3A)-CENG-103[B]	ROAD DETAIL PLAN: SHEET 03
240289(3A)-CENG-104[B]	ROAD DETAIL PLAN: SHEET 04
240289(3A)-CENG-105[B]	ROAD DETAIL PLAN: SHEET 05
240289(3A)-CENG-106[B]	ROAD DETAIL PLAN: SHEET 06
240289(3A)-CENG-107[B]	ROAD DETAIL PLAN: SHEET 07
240289(3A)-CENG-108[B]	ROAD DETAIL PLAN: SHEET 08
240289(3A)-CENG-111[B]	STAGE 1 DETAIL PLAN
240289(3A)-CENG-112[B]	STAGE 2 DETAIL PLAN
240289(3A)-CENG-120[B]	VEGETATION RIPARIAN ZONE
240289(3A)-CENG-201[B]	ROAD LONGITUDINAL SECTION: DICKSON ROAD
240289(3A)-CENG-202[B]	ROAD LONGITUDINAL SECTION: HART ROAD NORTH
240289(3A)-CENG-203[B]	ROAD LONGITUDINAL SECTION: HART ROAD NORTH
240289(3A)-CENG-204[B]	ROAD LONGITUDINAL SECTION: HART ROAD NORTH
240289(3A)-CENG-205[B]	ROAD LONGITUDINAL SECTION: HART ROAD NORTH
240289(3A)-CENG-206[B]	ROAD LONGITUDINAL SECTION: ROAD MC01
240289(3A)-CENG-207[B]	ROAD LONGITUDINAL SECTION: ROAD MC01
240289(3A)-CENG-250[B]	TYPICAL ROAD CROSS SECTIONS
240289(3A)-CENG-501[B]	SITE REGRADE PLAN: STAGE 1
240289(3A)-CENG-502[B]	SITE REGRADE PLAN: STAGE 2
240289(3A)-CENG-601[B]	EROSION AND SEDIMENT CONTROL PLAN: SHEET 01
240289(3A)-CENG-602[B]	EROSION AND SEDIMENT CONTROL PLAN: SHEET 02
240289(3A)-CENG-603[B]	EROSION AND SEDIMENT CONTROL PLAN: SHEET 03
240289(3A)-CENG-604[B]	EROSION AND SEDIMENT CONTROL PLAN: SHEET 04
240289(3A)-CENG-611[B]	EROSION AND SEDIMENT CONTROL DETAILS

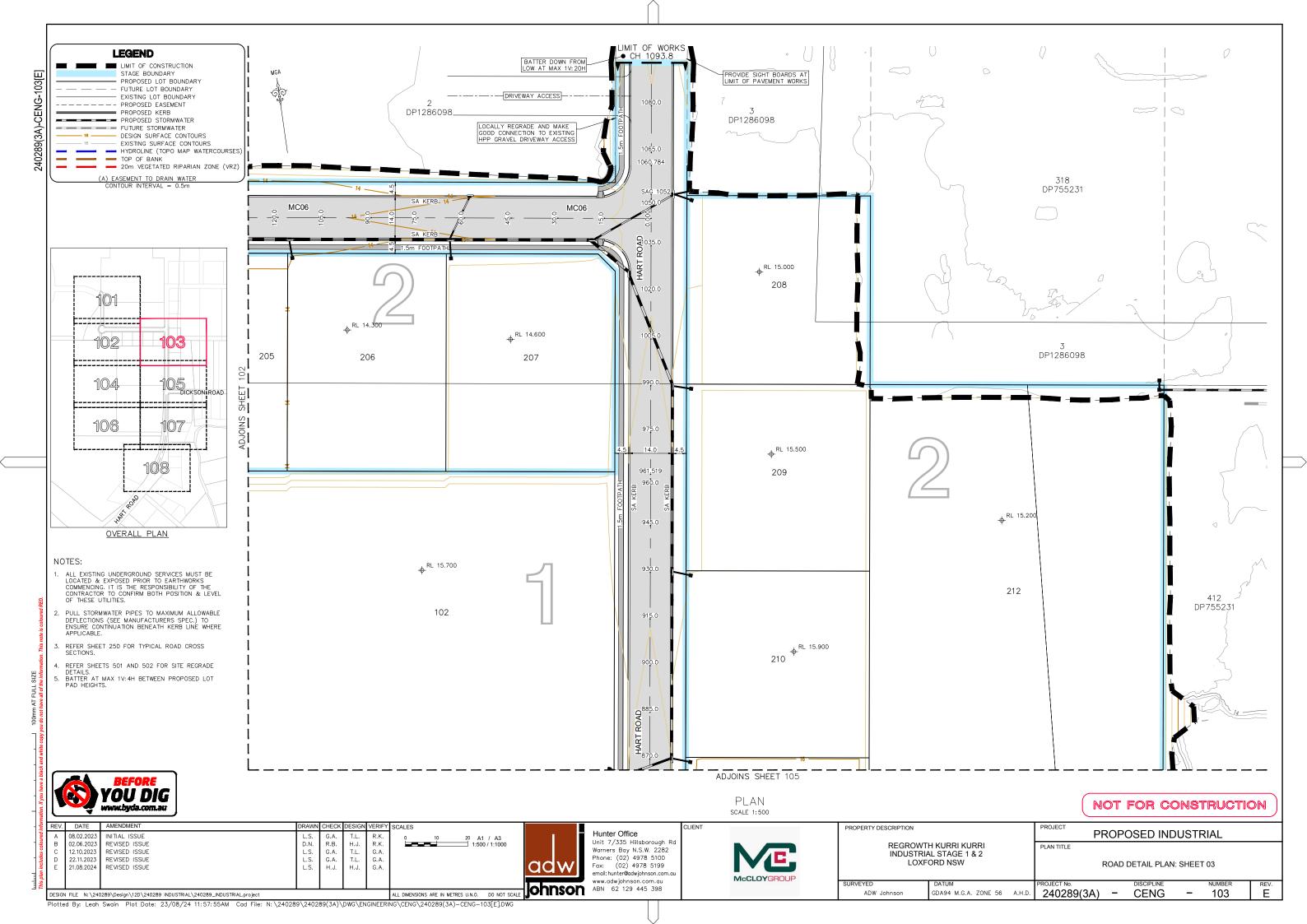
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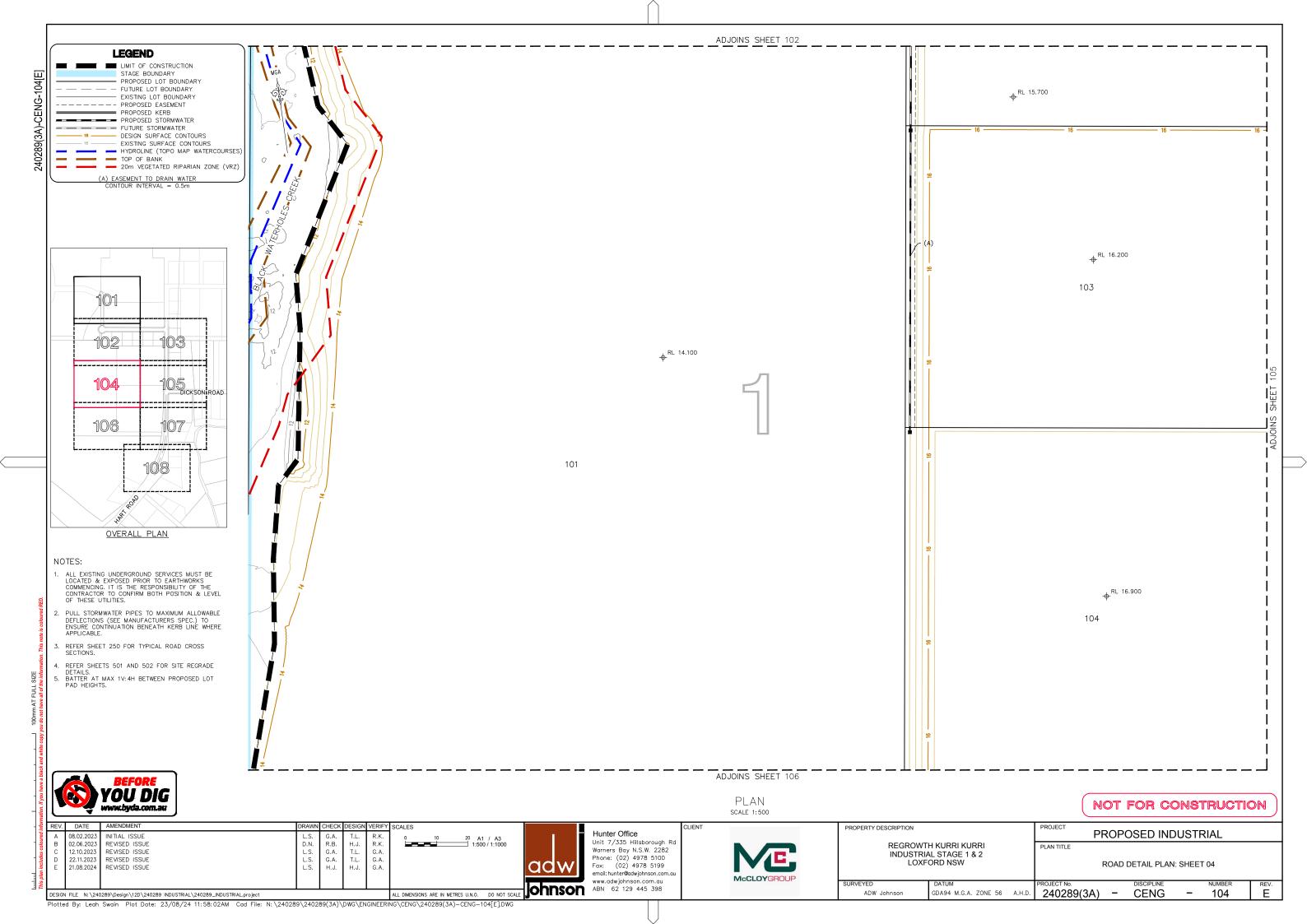
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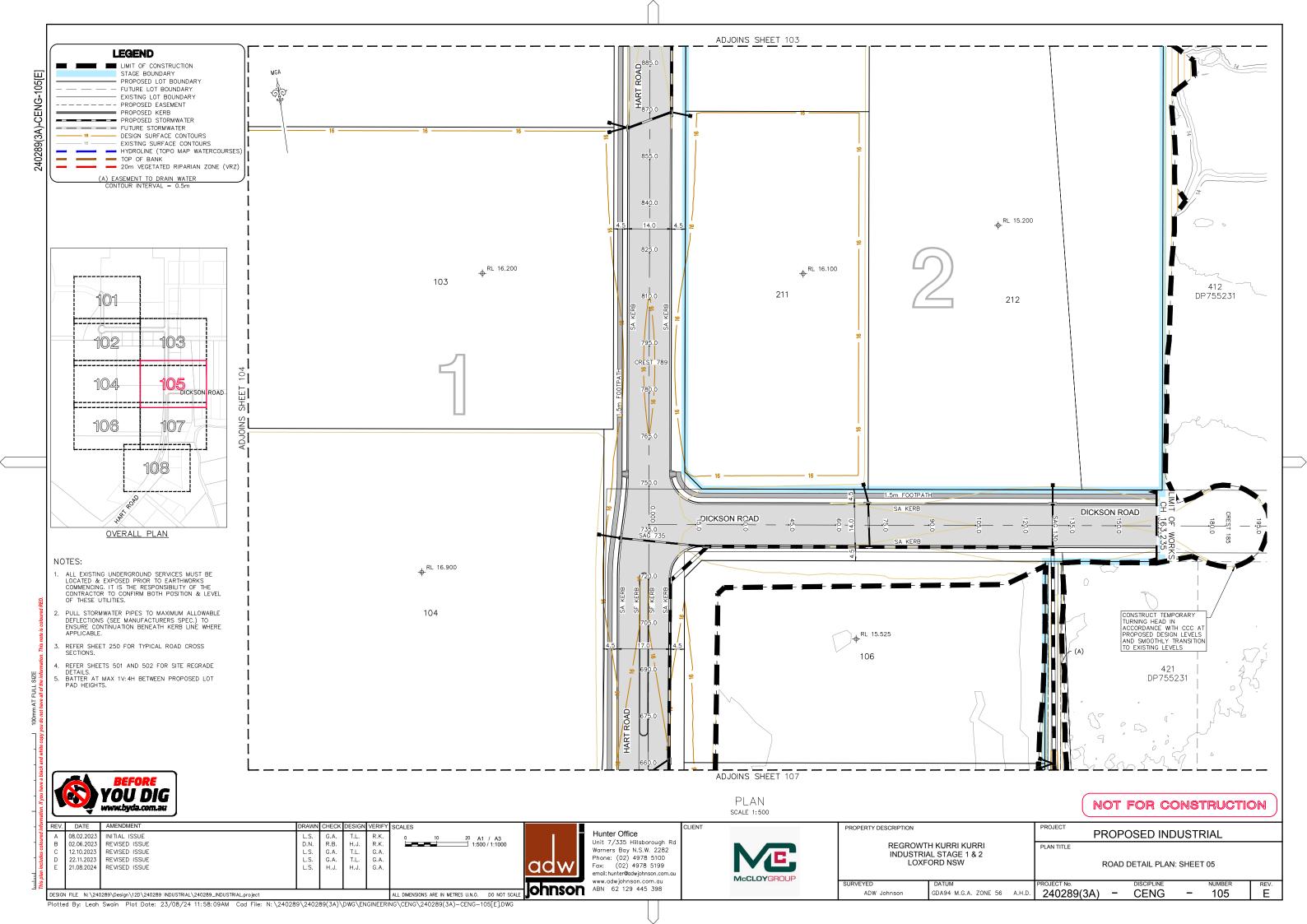


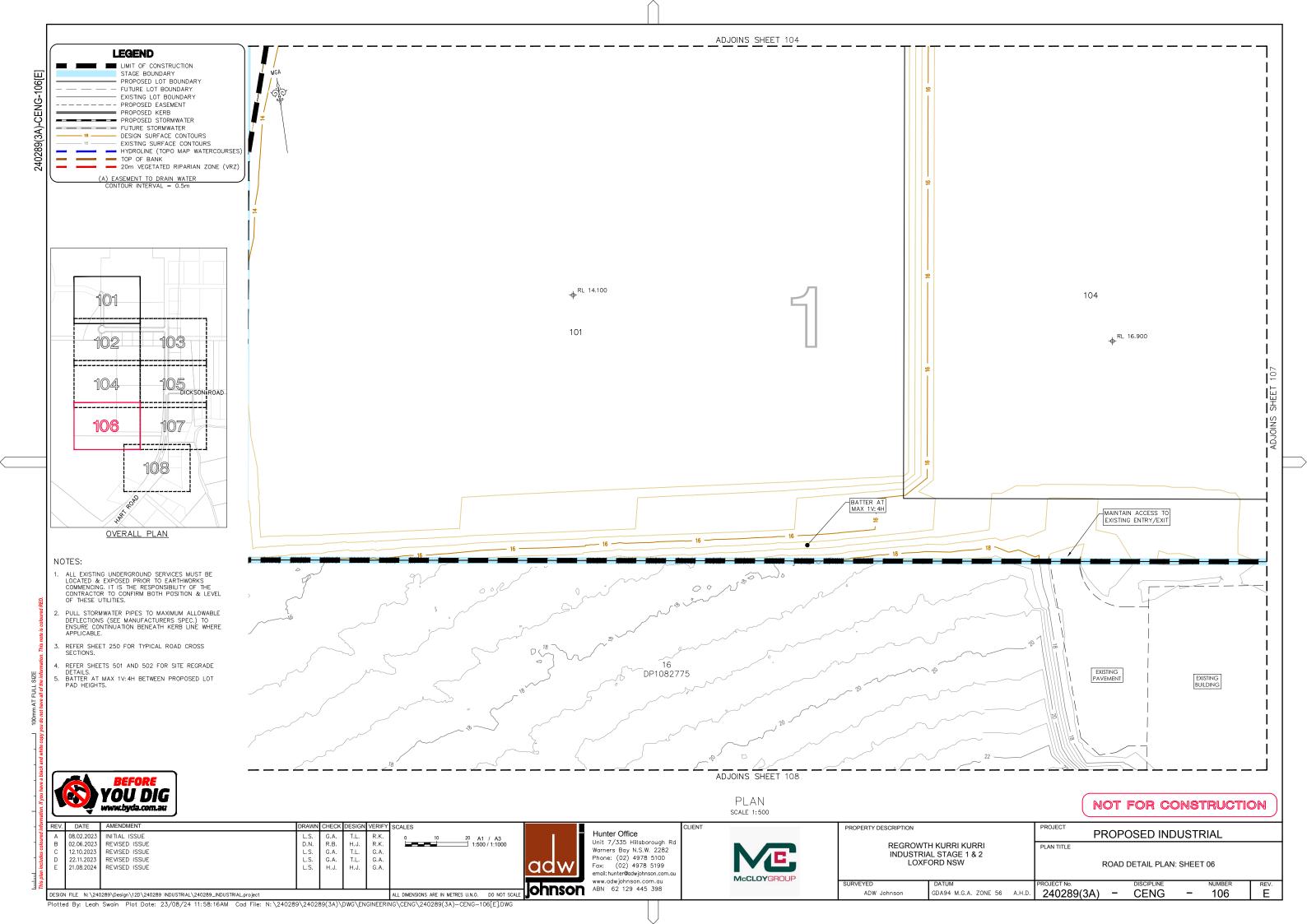


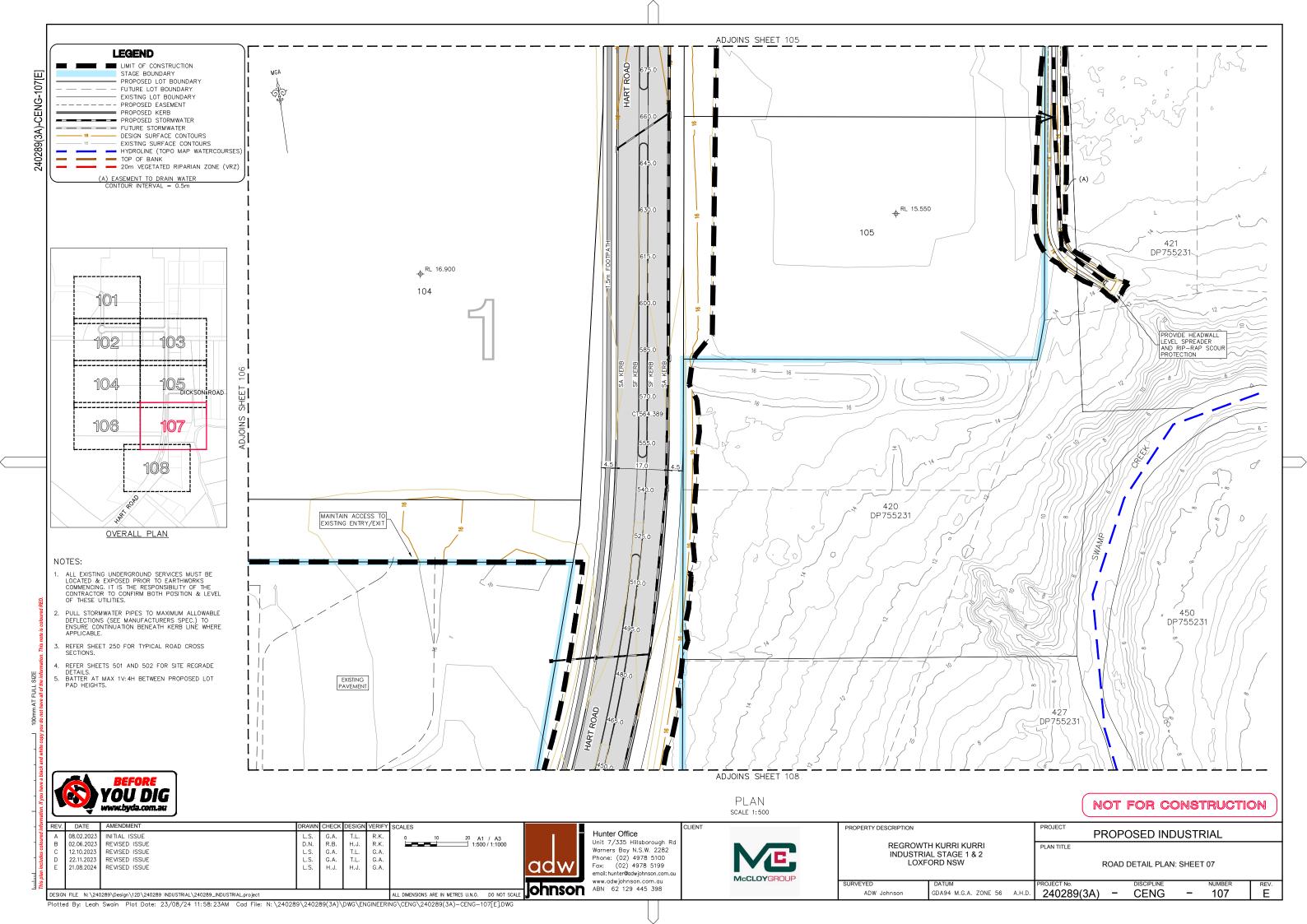


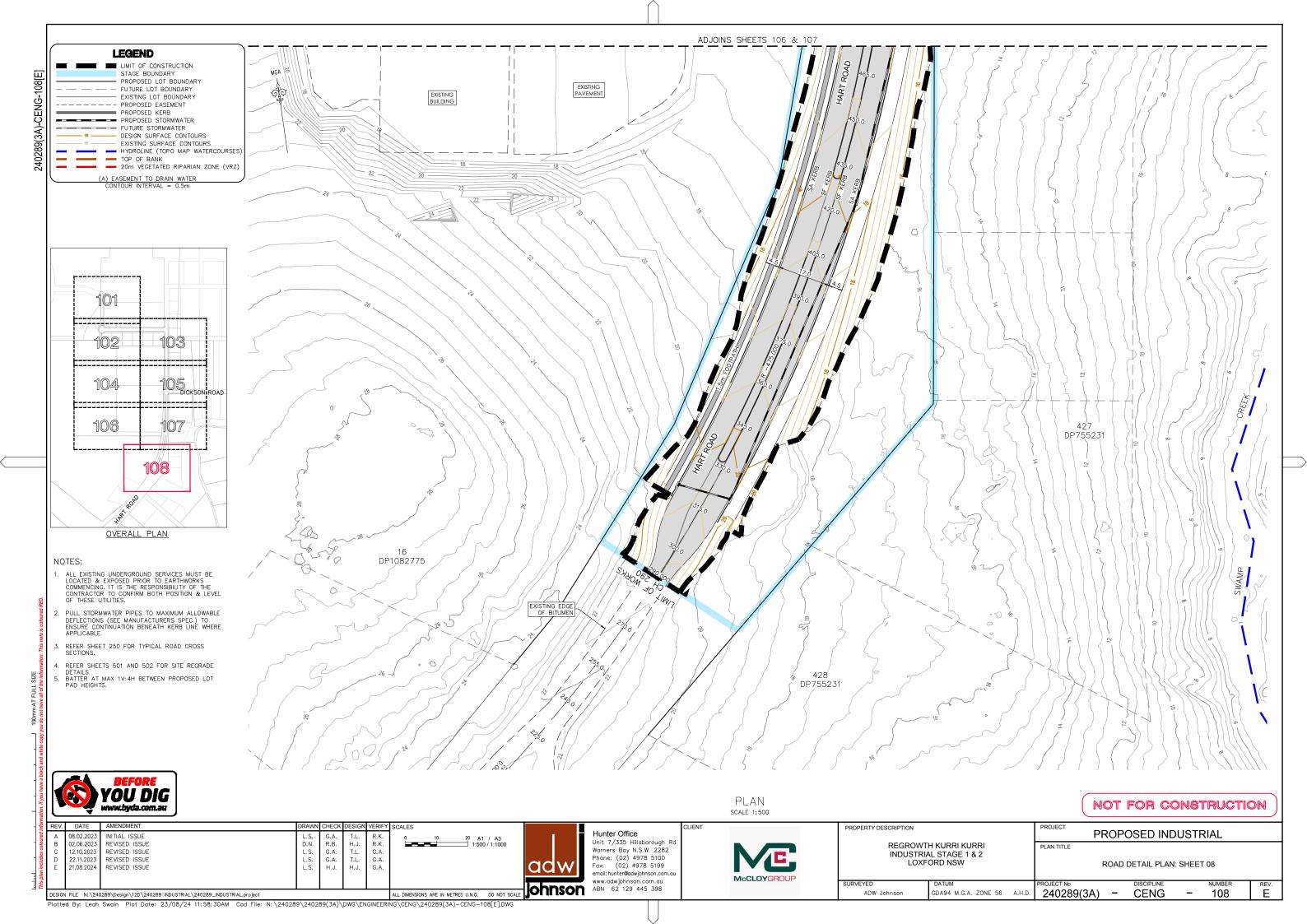


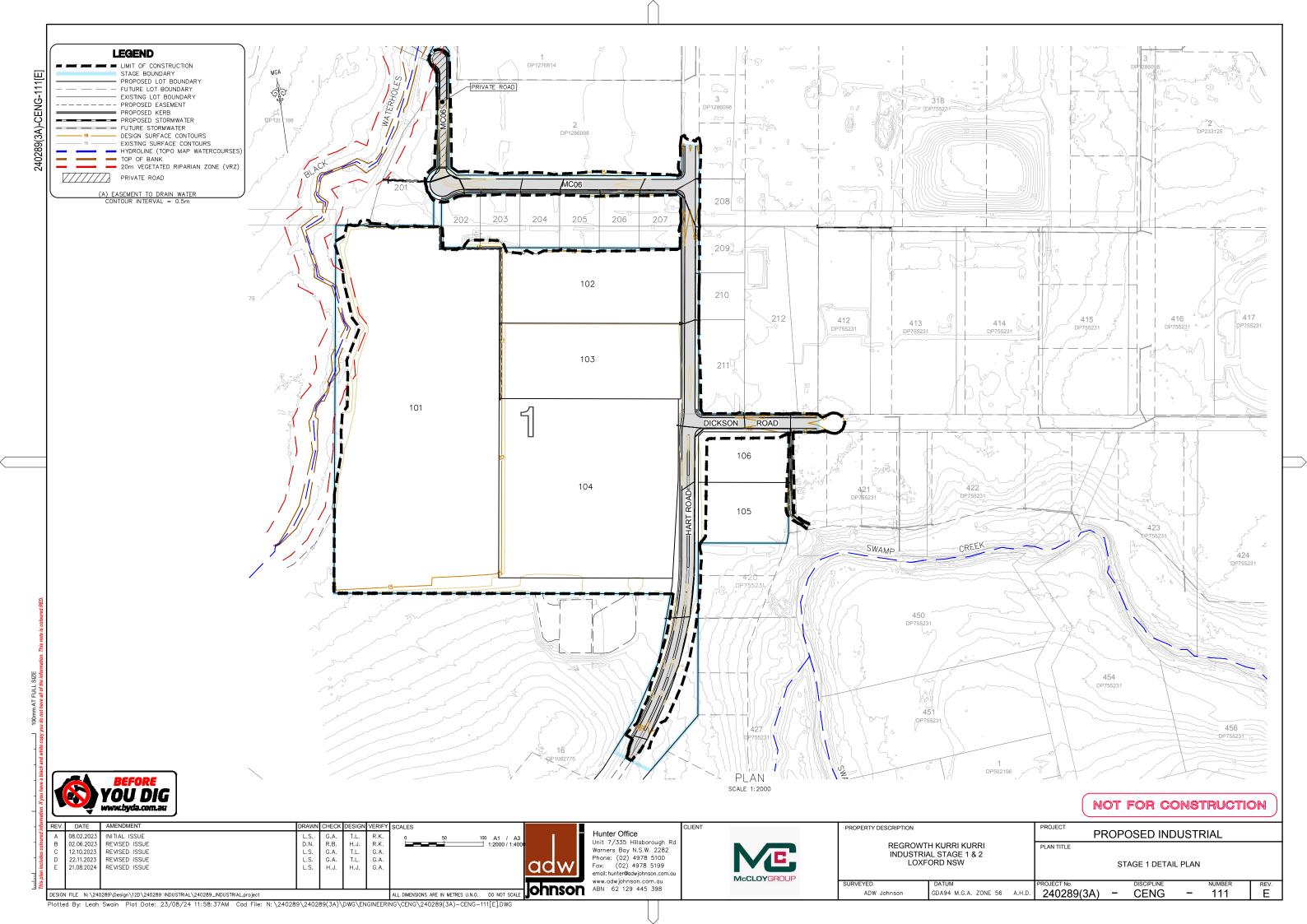


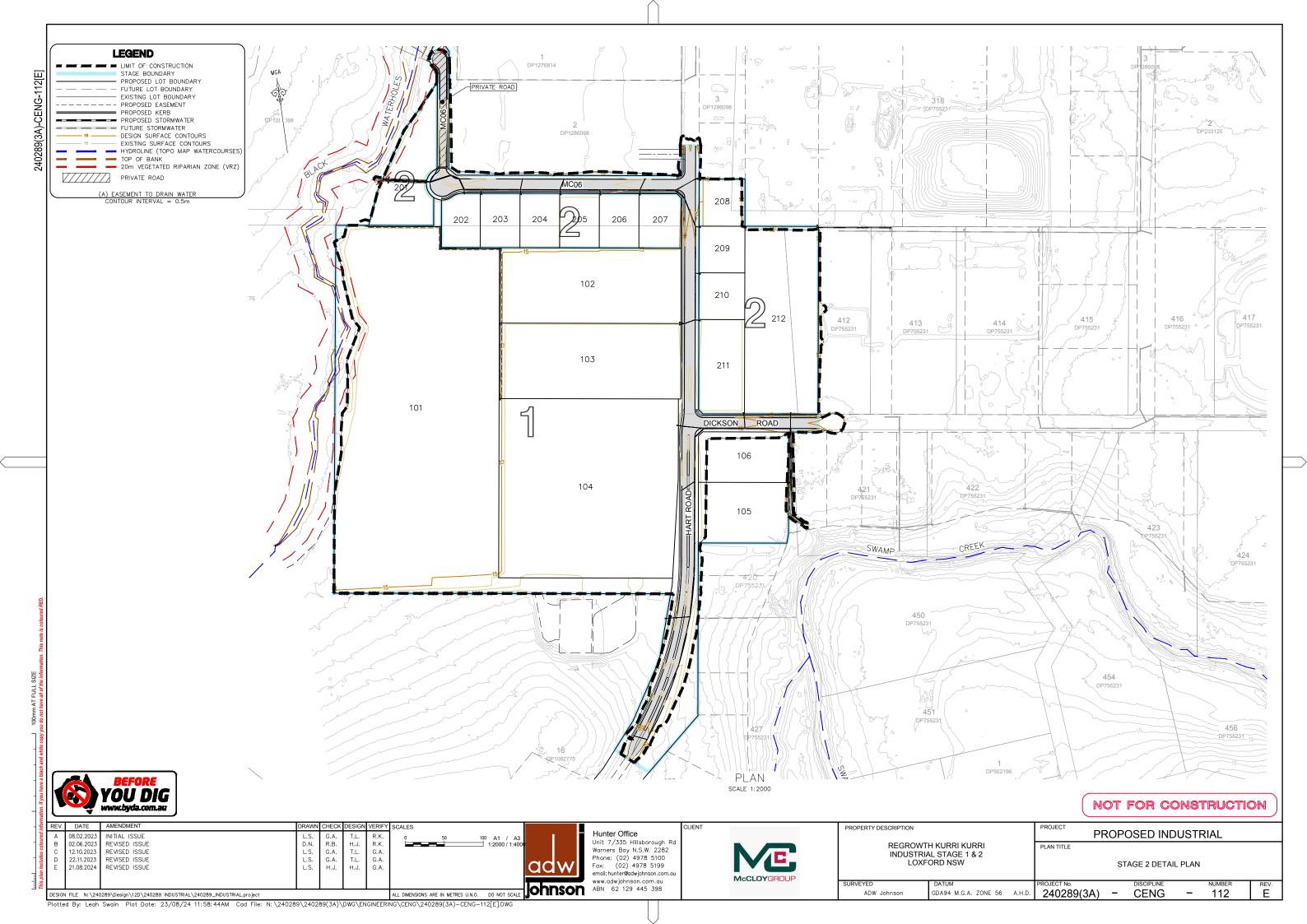


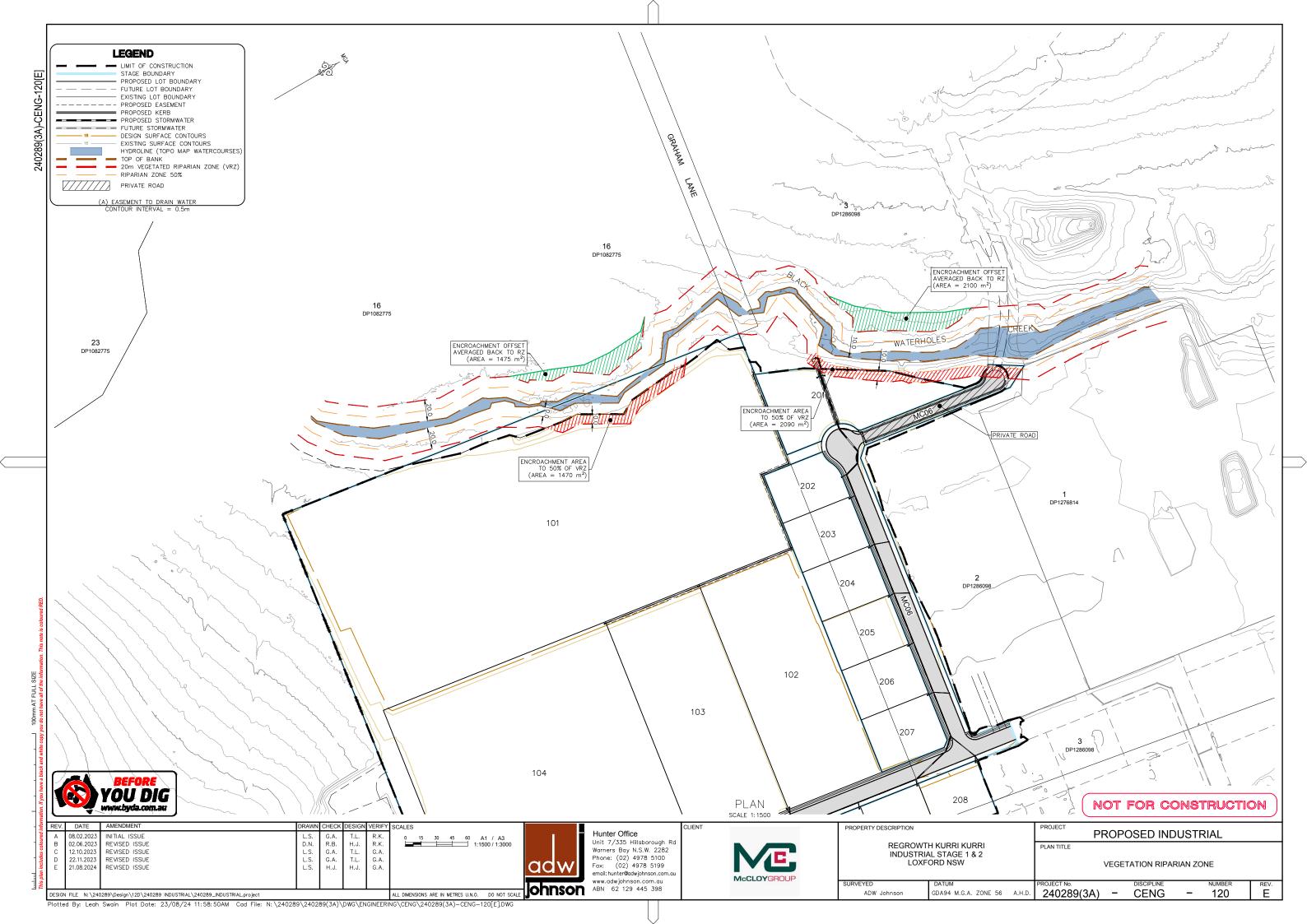


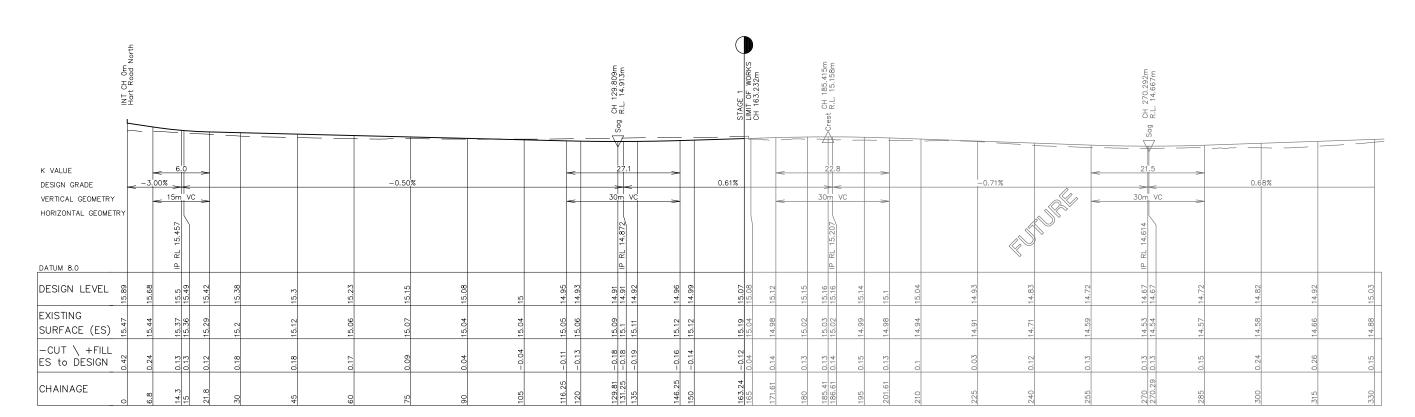












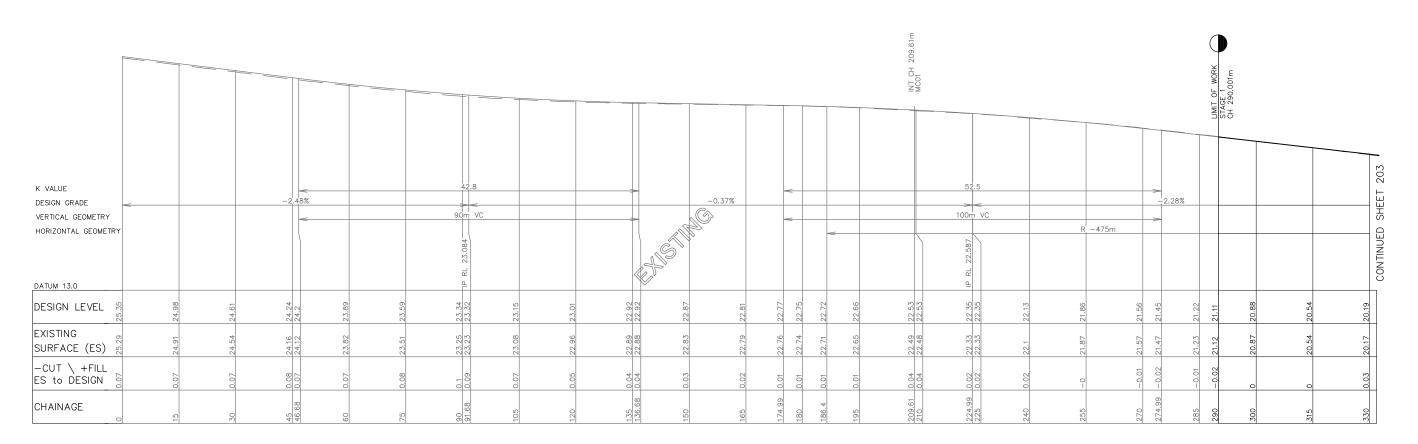
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LONGITUDINAL SECTION Hart Road North
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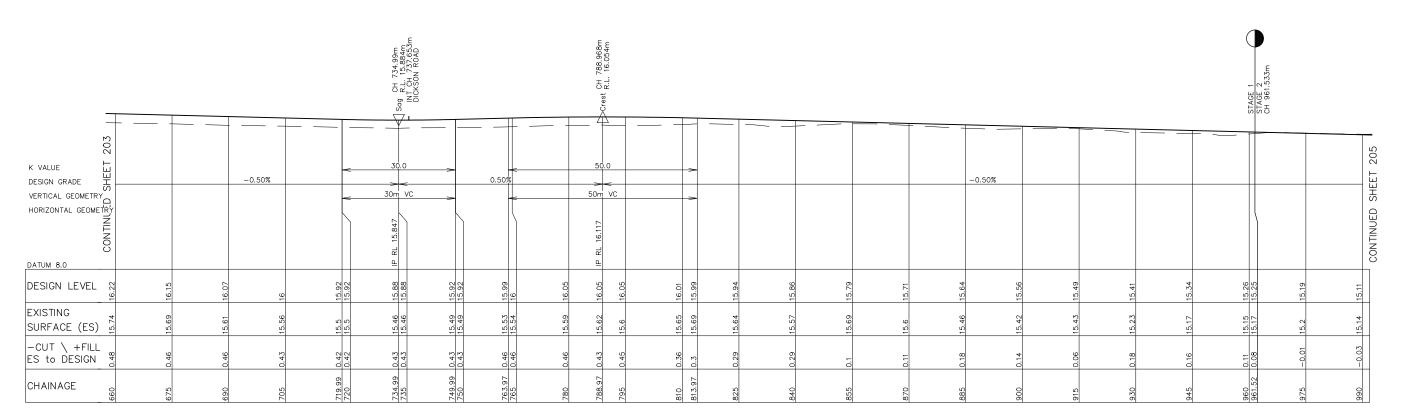
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LONGITUDINAL SECTION Hart Road North HORIZONTAL SCALE 1:500 VERTICAL SCALE 1:100



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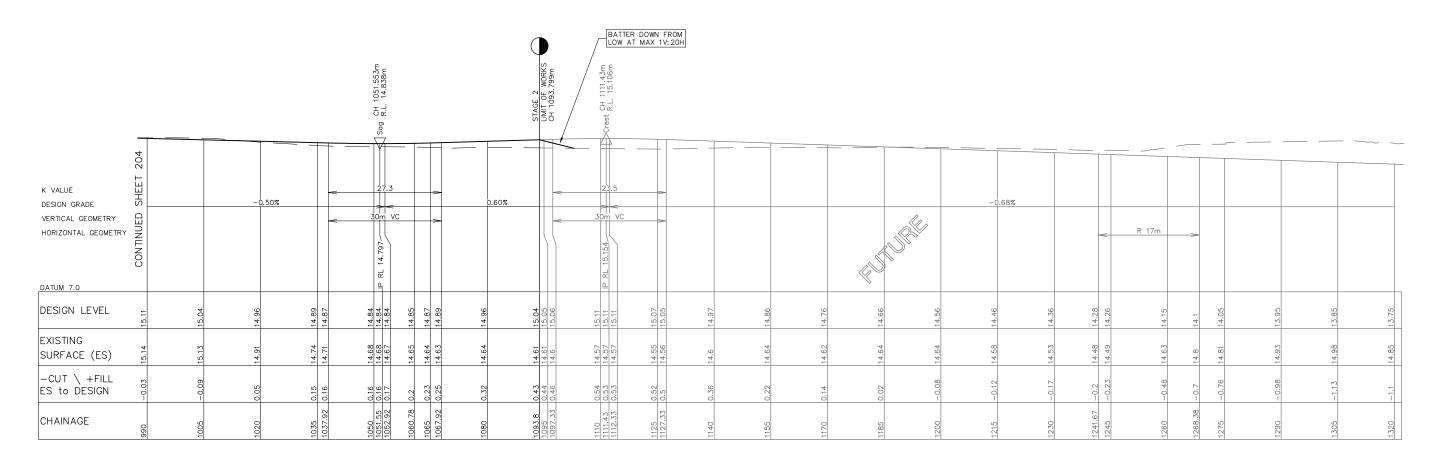


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LONGITUDINAL SECTION MC06

HORIZONTAL SCALE 1:500

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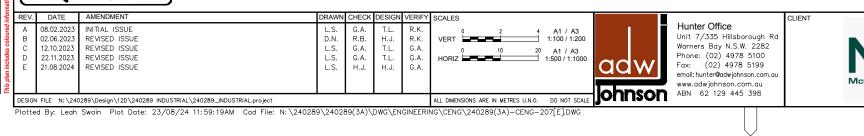
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DATUM 6.0												
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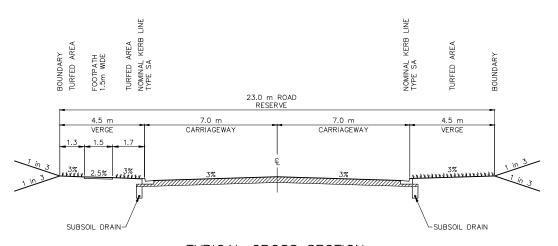
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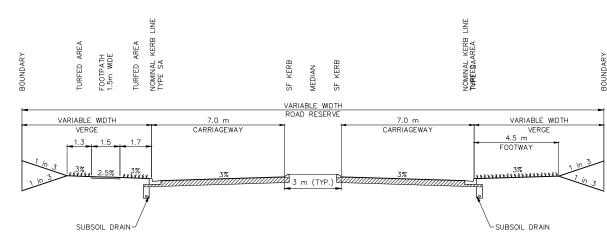
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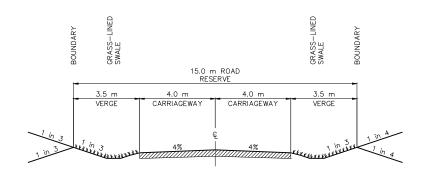
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DICKSON ROAD, HART ROAD (CH752.377 TO LOW),
MC06 (CH0.00 TO CH291.234)

SCALE 1:100 NATURAL



TYPICAL CROSS SECTION:
HART ROAD (CH320 TO CH718.368)

SCALE 1:100 NATURAL



TYPICAL CROSS SECTION: MC06 (CH333.313 TO CH452.485)

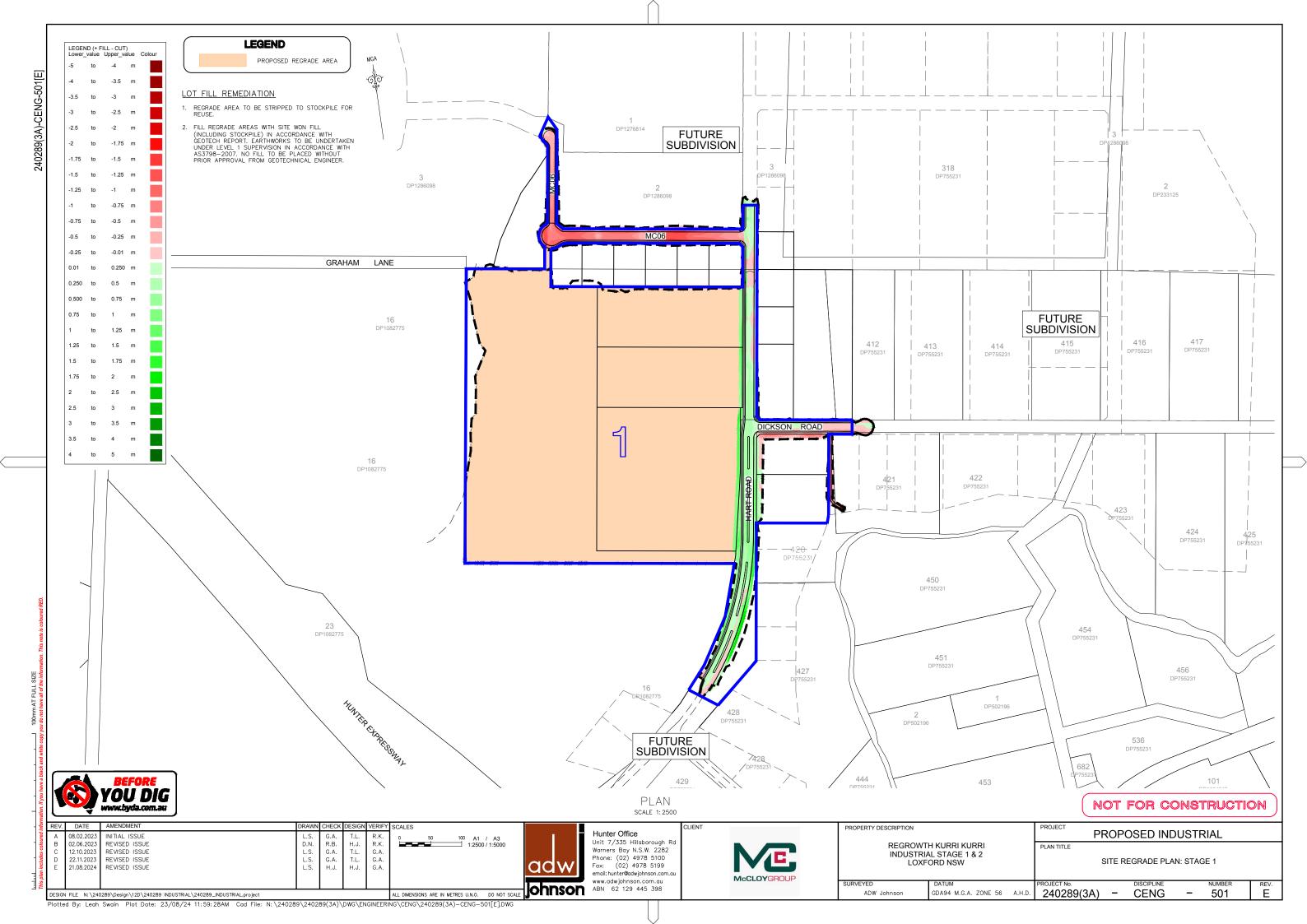
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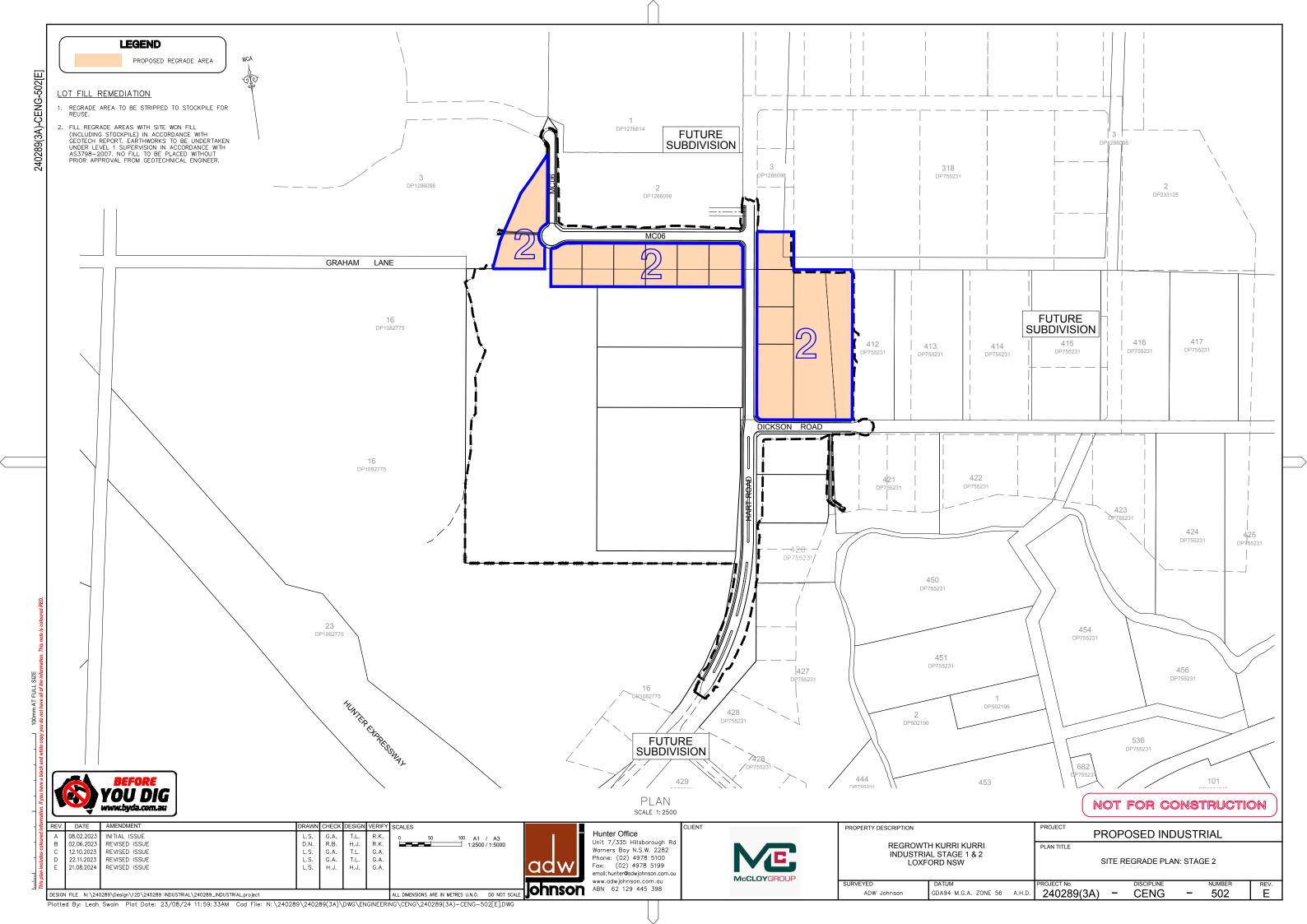


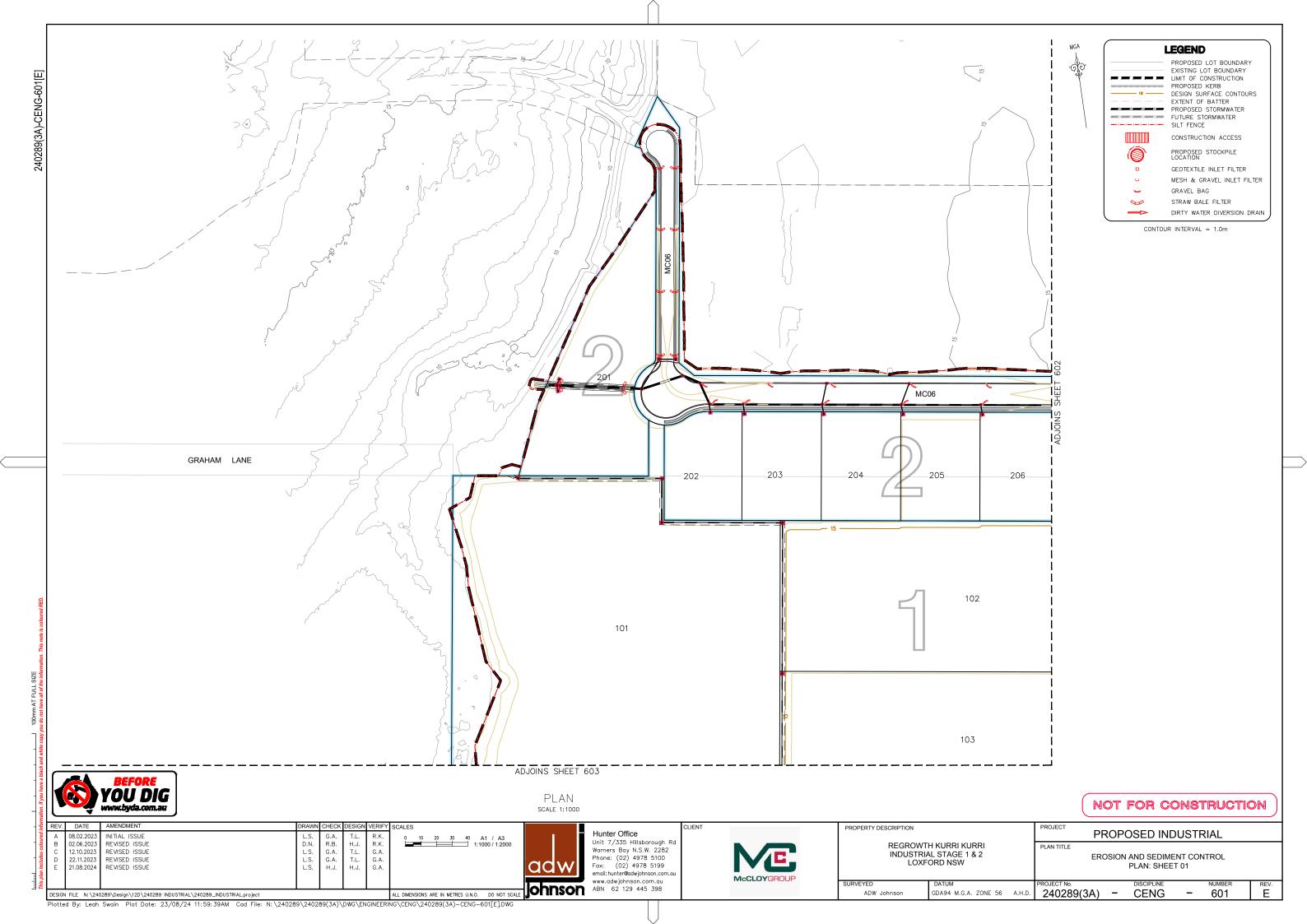
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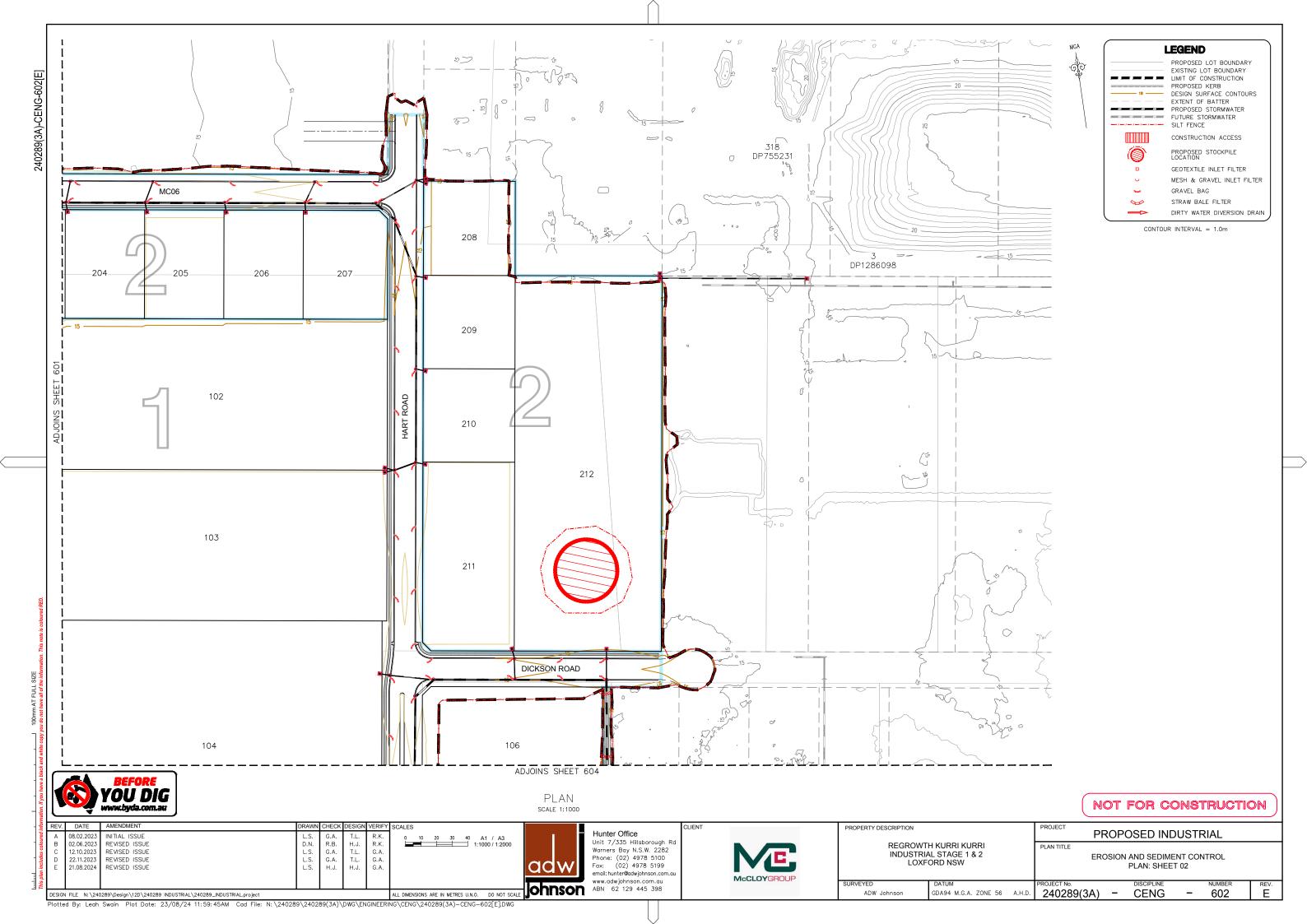
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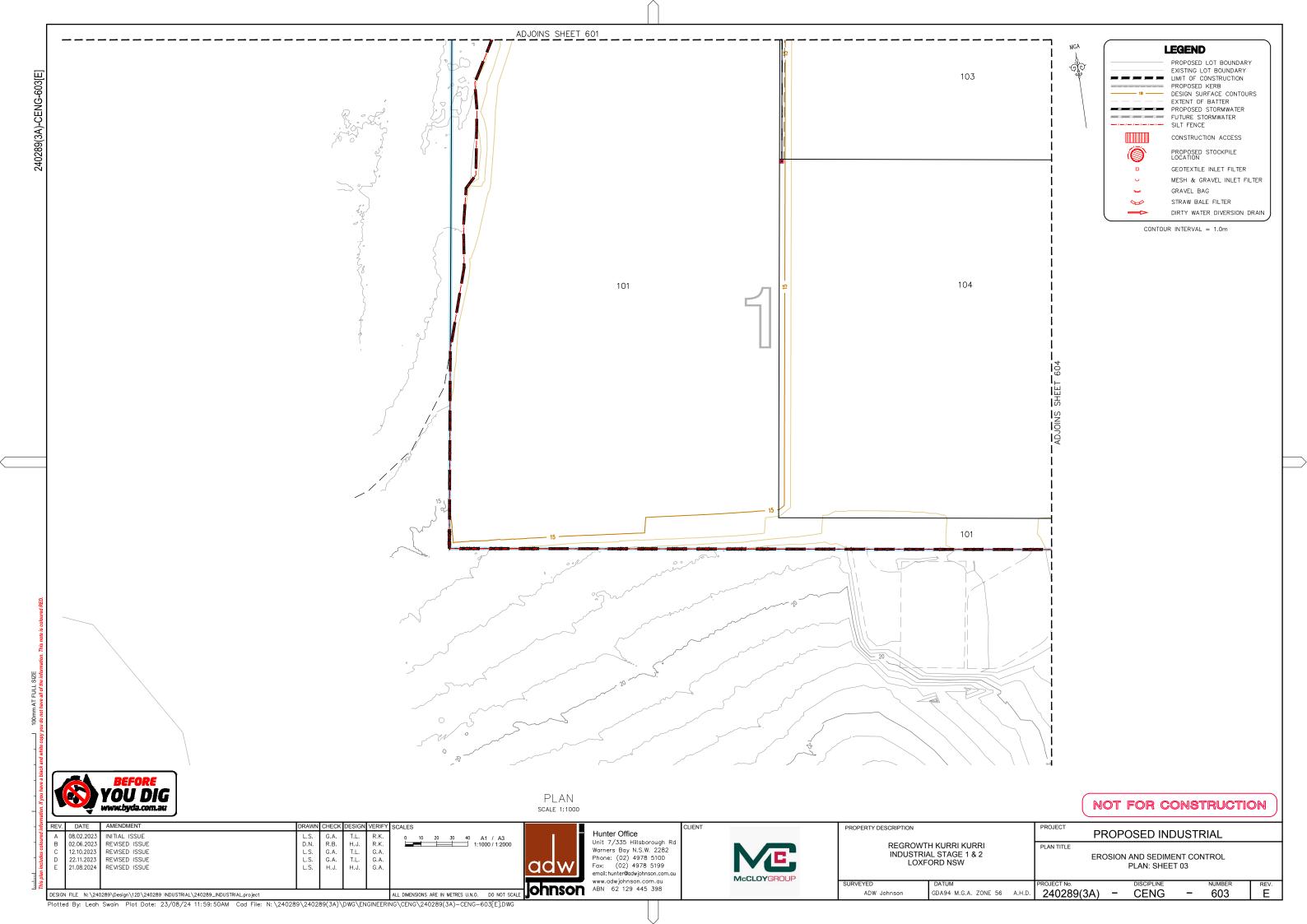
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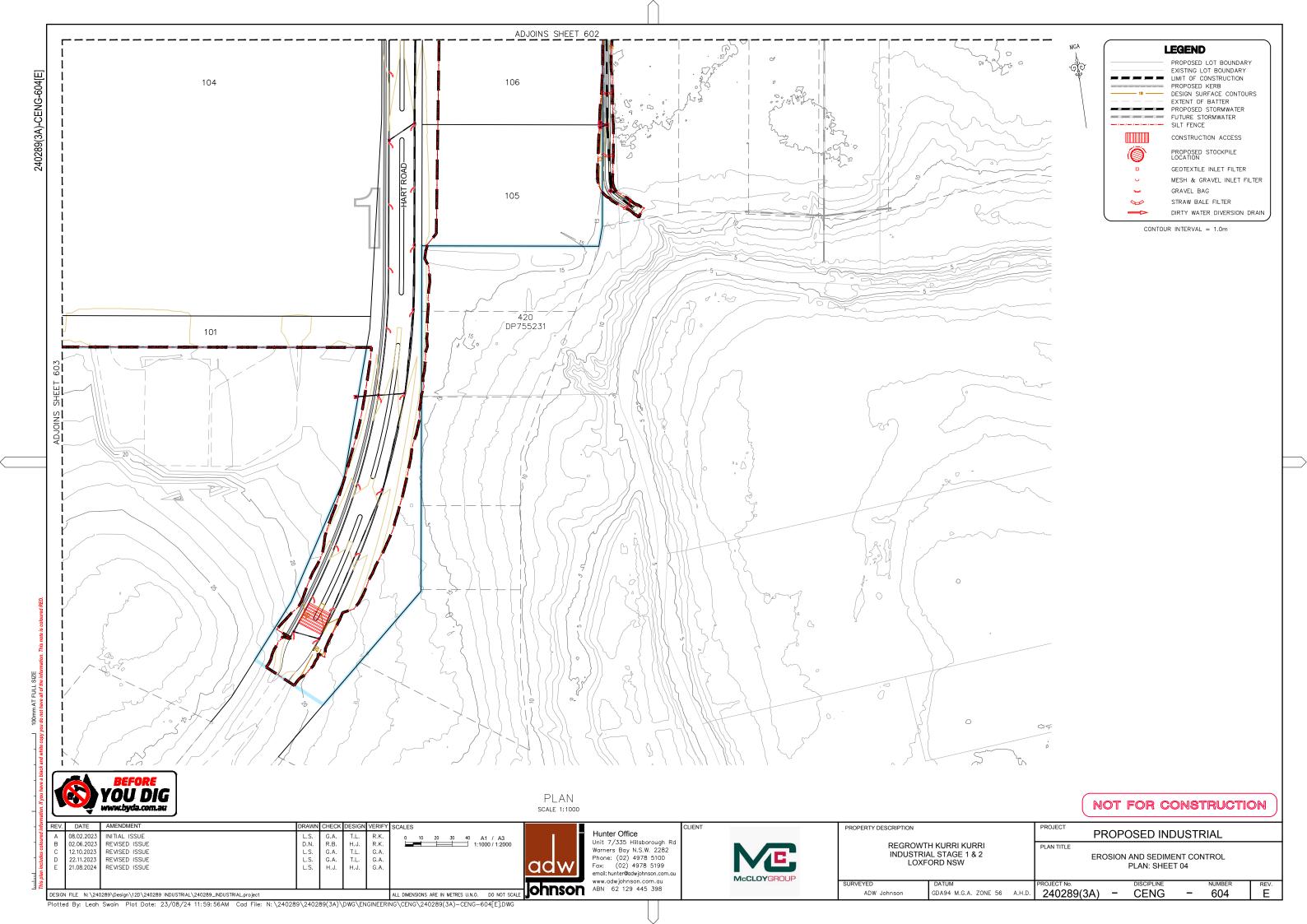




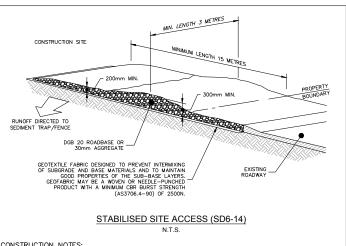








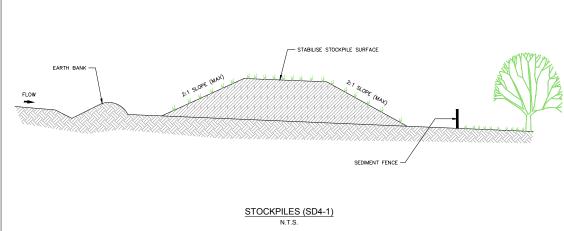




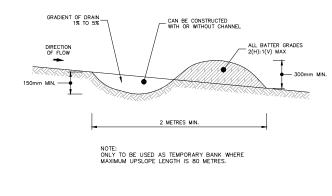
CONSTRUCTION NOTES:

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.

- COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE
- CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
- ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
- WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

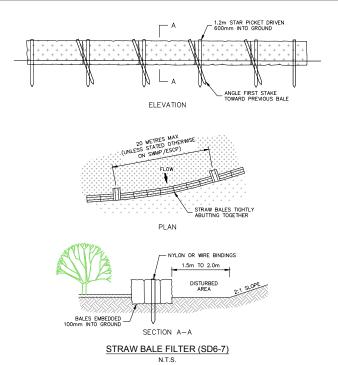


- CONSTRUCTION NOTES:
 1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- 2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- 3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
- WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
- CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE.



DIVERSION DRAIN (SD5-5)

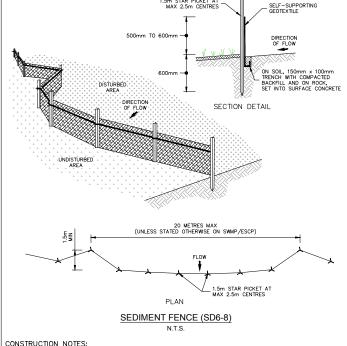
- CONSTRUCTION NOTES: 1. BUILD WITH GRADIENTS BETWEEN 1 PERCENT AND 5 PERCENT.
- AVOID REMOVING TREES AND SHRUBS IF POSSIBLE WORK AROUND THEM.
- ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
- BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
- ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE
- 6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.



CONSTRUCTION NOTES:

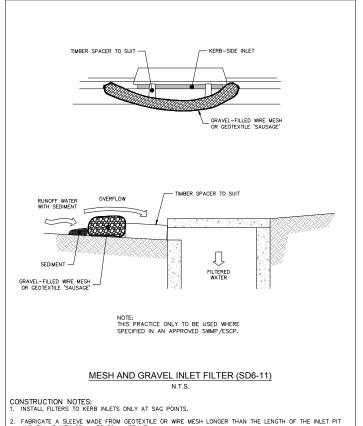
. CONSTRUCT THE STRAW BALE FILTER AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE.

- PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAW IS TO BE PLACED PARALLEL TO GROUND.
- . ENSURE THAT THE MAXIMUM HEIGHT OF THE FILTER IS ONE BALE.
- EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2m STAR PICKETS OR STAKES. ANGLE THE FIRST STAR PICKET OR STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE THEM 600mm IN THE GROUND AND, IP POSSIBLE, FLUSH WITH THE TOP OF THE BALES. WHERE STAR PICKETS ARE USED AND THEY PROTRUDE ABOVE THE BALES, ENSURE THEY ARE FITTED WITH SAFETY CAPS.
- WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM A DISTURBED BATTER, ENSURE THE BALES ARE PLACES 1 TO 2 METRES DOWNSLOPE FROM THE TOE.
- ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED THEY COULD REQUIRE REPLACEMENT EACH TWO TO FOUR MONTHS.

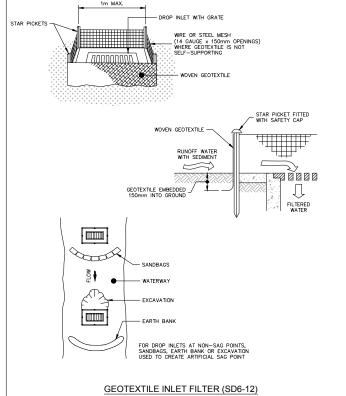


- CONSTRUCTION NOTES:

 1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENDUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE TO-YEAR EVENT.
- CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- FIX SELF—SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP
- 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE



- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
- FORM AN ELLIPTICAL CROSS SECTION ABOUT 150mm HIGH x 400mm WIDE.
- PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- 5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.



CONSTRUCTION NOTES: 1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.

- REFER STANDARD DRAWINGS 6-7 & 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
- IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
- DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.



SCALES REVISED ISSUE 12.10.2023 REVISED ISSUE G.A G A 22.11.2023 REVISED ISSUE L.S. G.A. T.L. H.J. 21.08.2024 REVISED ISSUE H.J.

aaw ohnson ALL DIMENSIONS ARE IN METRES U.N.O. DO NOT SCALE

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PROPERTY DESCRIPTION REGROWTH KURRI KURRI INDUSTRIAL STAGE 1 & 2 LOXFORD NSW

GDA94 M.G.A. ZONE 56 A.H.D.

PROPOSED INDUSTRIAL PLAN TITLE **EROSION AND SEDIMENT CONTROL DETAILS**

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