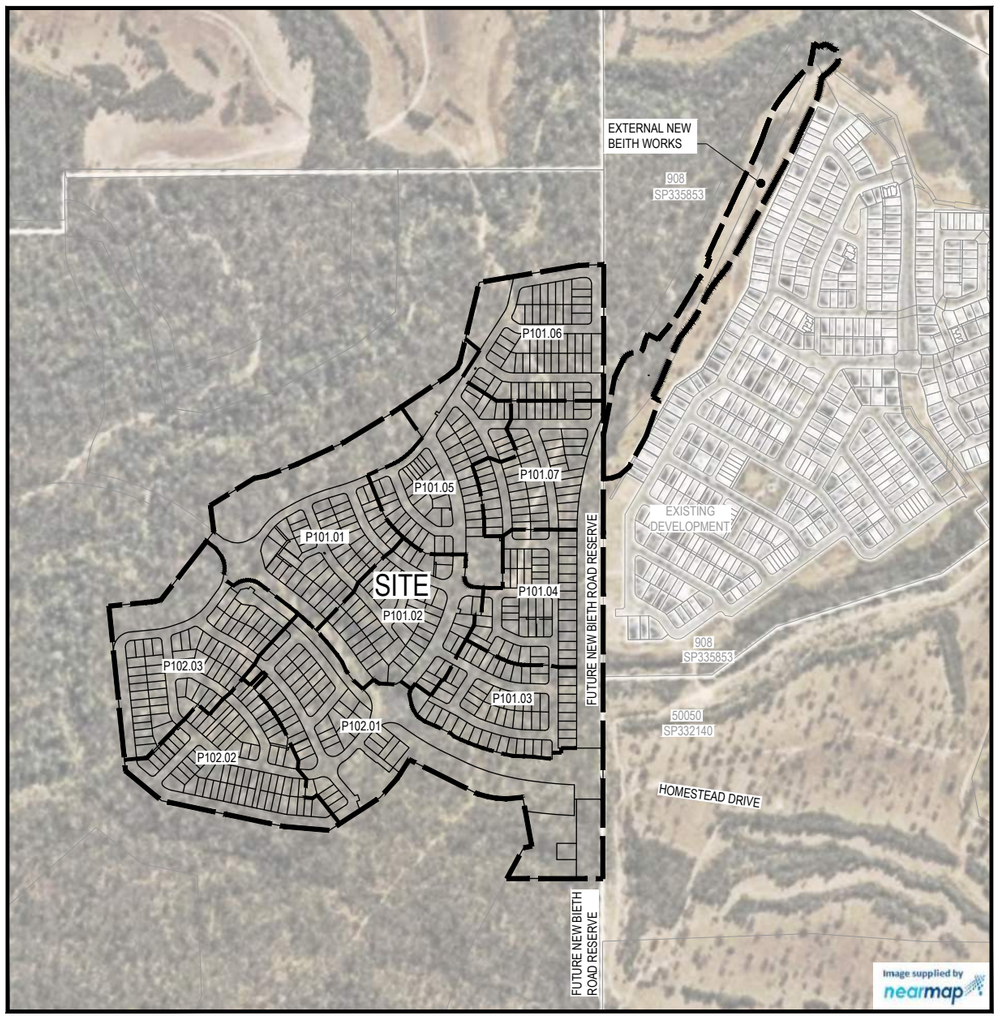
BULK EARTHWORKS OPERATIONAL WORKS

PRECINCT 101 AND 102, MONARCH GLEN



LOCALITY PLAN
SCALE 1:5000 (A1)
SCALE 1:10000 (A3)

PROJECT INFORMATION SUMMARY:
No. OF LOTS = 575
AREA OF SITE = 51.98 ha
RP DESCRIPTION LOT 3 ON RP45236
DATUM LEVEL AND LOCATION P.S.M 61261 RL 52.921 AHD LOCATED MGA2020
LOCAL AUTHORITY: ECONOMIC DEVELOPMENT QUEENSLAND
COUNCIL REFERENCE NUMBER:

NOTE:
- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH
DESIGN: KN
STATUS: ISSUED FOR APPROVAL
APPROVED: DANIEL COLLINS RPEQ 18631
DATE: 27.06.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

SCALE: 1:5000 / 1:10000 — 100 50 0 100 200 — A1 / A3

CLIENT: mirvac
ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: MONARCH GLEN No. 1 PTY LTD
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: COVER PLAN

PROJECT No.	DRAWING No.	REVISION
25-0521	0001	A

PLOT - 27 Jun 2025 01:49 PM LOCATION - C:\12\6S_Workspace\data\AUMELS\QU\0125-5521 Monarch Glen - RQL 4 Bulk Earthworks_5176\Design\Acad\25-0521-01 [COVER PLAN].dwg

DRAWING LIST

BULK EARTHWORKS

25-0521-0001	COVER PLAN
25-0521-0002	DRAWING LISTS
25-0521-0003	GENERAL NOTES
25-0521-0004	SAFETY IN DESIGN
25-0521-0005	OVERALL LAYOUT PLAN
25-0521-0100	BULK EARTHWORKS OVERALL LAYOUT
25-0521-0110	BULK EARTHWORKS DEPTH RANGE PLAN
25-0521-0120	BULK EARTHWORKS LAYOUT PLAN SHEET 1 OF 15
25-0521-0121	BULK EARTHWORKS LAYOUT PLAN SHEET 2 OF 15
25-0521-0122	BULK EARTHWORKS LAYOUT PLAN SHEET 3 OF 15
25-0521-0123	BULK EARTHWORKS LAYOUT PLAN SHEET 4 OF 15
25-0521-0124	BULK EARTHWORKS LAYOUT PLAN SHEET 5 OF 15
25-0521-0125	BULK EARTHWORKS LAYOUT PLAN SHEET 6 OF 15
25-0521-0126	BULK EARTHWORKS LAYOUT PLAN SHEET 7 OF 15
25-0521-0127	BULK EARTHWORKS LAYOUT PLAN SHEET 8 OF 15
25-0521-0128	BULK EARTHWORKS LAYOUT PLAN SHEET 9 OF 15
25-0521-0129	BULK EARTHWORKS LAYOUT PLAN SHEET 10 OF 15
25-0521-0130	BULK EARTHWORKS LAYOUT PLAN SHEET 11 OF 15
25-0521-0131	BULK EARTHWORKS LAYOUT PLAN SHEET 12 OF 15
25-0521-0132	BULK EARTHWORKS LAYOUT PLAN SHEET 13 OF 15
25-0521-0133	BULK EARTHWORKS LAYOUT PLAN SHEET 14 OF 15
25-0521-0134	BULK EARTHWORKS LAYOUT PLAN SHEET 15 OF 15
25-0521-0140	BULK EARTHWORKS SECTIONS SHEET 1 OF 3
25-0521-0141	BULK EARTHWORKS SECTIONS SHEET 2 OF 3
25-0521-0142	BULK EARTHWORKS SECTIONS SHEET 3 OF 3
25-0521-0143	BULK EARTHWORKS TYPICAL RETAINING WALL DETAILS
25-0521-0144	TYPICAL ROAD DETAILS
25-0521-0150	EROSION & SEDIMENT CONTROL LAYOUT PLAN PHASE 1 - SHEET 1 OF 2
25-0521-0151	EROSION & SEDIMENT CONTROL LAYOUT PLAN PHASE 2 - SHEET 2 OF 2
25-0521-0152	TYPICAL DETAILS FOR EROSION AND SEDIMENT CONTROL

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE:

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **DRAWING LISTS**

PROJECT No.	DRAWING No.	REVISION
25-0521	0002	A

PLOT - 27 Jun 2025 01:49 PM LOCATION - C:\12d\S Workspace\data\AUMELSQU01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-01 [COVER PLAN].dwg

PROJECT SPECIFIC NOTES

STORMWATER BASINS, FLOW PATHS, SWALES AND WSUD AREAS:

1. GYPSUM TREATMENT: 2.7 kg/m2 (18 kg/m3 @ 150MM DEPTH) TO ALL EXPOSED SUBGRADES IN DISPERSIVE ZONES. FOR MORE DETAILS REFER TO THE DSMP.
2. COVER ALL TREATED SUBSOIL WITH MIN. 150mm NON-DISPERSIVE TOPSOIL OR STABILISATION METHOD (E.G. TURF, MATTING, ROCK).
3. BUNDS/CHANNELS ARE TO BE LINED WITH SECURED GEOFABRIC AND LOW PROFILE SANDBAGS (<150mm) AND PLACED AT <40m INTERVALS.
4. EXISTING GULLIES SHOULD HAVE ROCK FILTER DAMS INSTALLED AT <40M INTERVALS. A MINIMUM OF 225mm DIAMETER ROCK SHOULD BE USED, INCLUDING GEOFABRIC WRAP AND INSTALLED TO IECA (2018) GUIDELINES.
5. ALL FILL MUST BE COMPACTED TO 95% STANDARD COMPACTION AND VERIFIED.
6. TEMPORARY OR SHORT TERM BATTERS (UP TO 2 WEEKS) CAN BE CONSTRUCTED TO THE GRADIENTS PRESENTED IN TABLE 8 OF REPORT 7960 – 24-231.
7. BIO BASINS AND FLOW PATHS TO INCLUDE GYPSUM TREATED SUBGRADE, COVERED WITH NON DISPERSIVE TOPSOIL AND STABILISED PER LANDSCAPING PLANS.
8. ALL FILL SHOULD BE PLACED IN THIN LAYERS (200mm MAX LOOSE) AND COMPACTED TO A DENSITY RATIO OF 98% FOR BASIN EMBANKMENTS, STANDARD AT MOISTURE CONTENTS OF OMC +/- 2%. HOWEVER, FOR 5.0m FILL DEPTHS (OR GREATER), MATERIALS SHOULD BE COMPACTED AT 100%. EACH FILL LAYER IS TO BE KEYED INTO EXISTING SLOPES IF APPLICABLE.
9. THE MAXIMUM PARTICLE SIZE SHOULD BE LIMITED TO 150mm AND BE WELL-GRADED. ROCK FRAGMENTS UNABLE TO BE BROKEN DOWN DURING PLACEMENT AND COMPACTION ARE TO BE REMOVED FROM THE FILL AREA.
10. TESTING OF THE PLACED AND COMPACTED FILL SHOULD BE CARRIED OUT AT FREQUENCIES DEFINED IN AS3798 TABLE 8.1 FOR TYPE 1 EARTHWORKS.
11. THE EXPOSED BASE OF THE BASINS IF WITHIN SOIL MUST BE ROLLED TO SEAL ANY CRACKS. IF TERMINATED ON ROCK, A CAPPING LAYER SHOULD BE USED ON THE ROCK SURFACE.

TOPSOIL

1. REUSED TOPSOIL MUST HAVE CLAY CONTENT <35% AND BE FREE DRAINING WHEN STOCKPILED.

IMPORT:

1. ALL IMPORTED SOIL/FILL MUST BE NON DISPERSIVE. SUPPORTING DOCUMENTATION TO BE RETAINED BY CONTRACTOR.
2. IF DISPERSIVE, MUST BE TESTED AND TREATED IN ACCORDANCE WITH DSMP.

BATTERS:

1. TEMPORARY OR SHORT TERM BATTERS CAN BE CONSTRUCTED TO THE GRADIENTS PRESENTED IN TABLE 8. THE SHORT- TERM PERIOD IS DEEMED TO BE NO LONGER THAN 4 WEEKS, AND FOLLOWING WET WEATHER (RAINFALL), THE SHORT TERM BATTER SLOPES WOULD NEED TO BE REASSESSED FOR STABILITY. FOR FURTHER DETAILS REFER TO REPORT 8062-24-231).
2. EARTHWORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH SECTION 7.6 OF REPORT 8062-24-231.

MONITORING REQUIREMENTS:

3. ALL TREATMENTS TO BE PHOTOGRAPHICALLY RECORDED AND GYPSUM USE DOCUMENTED. FOR MORE DETAILS REFER TO THE DSMP.
4. 1 COMPOSITE TEST PER 1000m^2 FOR EMERSON CLASS OR ESP VERIFICATION.

MONARCH GLEN EARTHWORKS TOLERANCE TABLE

ITEM	TOLERANCE
EARTHWORKS ALLOTMENTS IN VERGES(A)	EWL OR FSL +/- 50mm
CUT BATTERS (OTHER THAN IN LOTS)	EWL OR FSL +/- 150mm(B)
FILL BATTERS (OTHER THAN IN LOTS)	EWL OR FSL +/- 300mm(B)
EARTHWORKS IN PARKS	EWL OR FSL +/- 50mm

(A) TOLERANCE IS -0mm / +50mm WHERE ADJACENT DRAINAGE ELEMENT.
(B) MEASURED FROM THE AVERAGE SLOPE PLANE.

TOLERANCE NOTES

1. EARTHWORKS LEVEL (EWL) IS 100mm BELOW FINISHED SURFACE LEVEL (FSL) ON ALLOTMENTS (TOPSOIL RESPREAD THICKNESS).
2. FINISHED SURFACE LEVEL (FSL) IS TOP OF TURF / STABILISED TOPSOIL LEVEL.
3. ROADWORKS SUBGRADE, PAVEMENT, ASPHALT CONSTRUCTION LEVEL TOLERANCES AS PER LCC PSP No. 5.
4. STORMWATER DRAINAGE CONSTRUCTION LEVEL TOLERANCES AS PER LCC PSP No. 5.
5. SEWER AND WATER RETICULATION CONSTRUCTION LEVEL TOLERANCES AS PER SEQ D&C CODE.

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, PLANT AND EQUIPMENT TO CONSTRUCT THE WORKS AS DOCUMENTED AND STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
2. THE EXISTING SERVICES THAT ARE SHOWN ON THE DRAWINGS ARE PROVIDED FOR INFORMATION PURPOSES ONLY. NO RESPONSIBILITY IS TAKEN BY THE SUPERINTENDENT OR THE PRINCIPAL FOR INFORMATION THAT HAS BEEN SUPPLIED BY OTHERS, OR ANY EXISTING SERVICES THAT MAY BE PRESENT NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE POSITION OF ANY UNDERGROUND SERVICES WITHIN THE AREAS OF WORKS AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT ONLY BY THE SERVICE OWNER AUTHORITY UNLESS APPROVED OTHERWISE.
3. ALL CONSTRUCTION ACTIVITIES UNDERTAKEN SHALL COMPLY WITH CURRENT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND LEGISLATION.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL RELEVANT LOCAL AUTHORITY PERMITS.
5. THE CONTRACTOR SHALL NOT COMMENCE THE DEMOLITION OF ANY EXISTING BUILDINGS AND/OR STRUCTURES WITHOUT APPROVAL FROM THE SUPERINTENDENT.
6. THE CONTRACTOR SHALL APPLY INDUSTRY BEST PRACTICE SO WORKS SHALL NOT DISTURB OR AFFECT NEARBY RESIDENTS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES. CONTRACTOR TO ENSURE THAT ACCESS AND SERVICES TO EXISTING PROPERTIES ARE AVAILABLE AT ALL TIMES.
7. THE CONTRACTOR SHALL VERIFY LEVELS OF EXISTING SERVICE CROSSINGS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT OF ANY DISCREPANCIES BETWEEN ACTUAL AND PROPOSED DESIGN LEVELS.
8. THESE ENGINEERING DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED VEGETATION MANAGEMENT PLAN, WHERE APPLICABLE. WHEN IN DOUBT, ALL EXISTING TREES ARE TO REMAIN UNLESS DIRECTED OTHERWISE.
9. HOLD POINT: ONCE THE BASE OF MANHOLES, INSPECTION PITS, GULLIES AND FIELD INLETS FOR STORMWATER DRAINAGE AND SEWER RETICULATION HAVE BEEN POURED, CONSTRUCTION SHALL ONLY RE-COMMENCE ONCE THE SUPERINTENDENT AND/OR ENGINEER HAVE INSPECTED THE WORKS.
10. THE CONTRACTOR SHALL NOTE DURING THE COURSE OF THE WORKS WHEN JOINT INSPECTIONS WITH THE AUTHORITY AND THE SUPERINTENDENT ARE REQUIRED. THESE INCLUDE PRE-STARTS, SUBGRADES, PRE-SEALS, CLEARING, AND OTHER SUCH INSPECTIONS AS NOMINATED IN THE APPROVAL AND THE SPECIFICATIONS. THE CONTRACTOR SHALL ENSURE NO WORKS PROCEED PAST THE INSPECTION POINT UNTIL THE JOINT INSPECTION HAS BEEN SUCCESSFULLY COMPLETED.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SAFE MOVEMENT OF TRAFFIC AND THE PROTECTION OF PERSON AND PROPERTY THROUGH AND AROUND THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC MANAGEMENT INCLUDING THE DESIGN, CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ROADWAYS, DETOURS, SIGNS, LIGHTS AND BARRIER AS REQUIRED STRICTLY IN ACCORDANCE WITH THE RELEVANT AUTHORITY REQUIREMENTS.

BULK EARTHWORKS NOTES

1. NOTWITHSTANDING THE EXTENTS OF CUTTING AND FILLING SHOWN ON DRAWINGS, THE SUPERINTENDENT RESERVES THE RIGHT TO ADJUST THE FINISHED SURFACE LEVELS AND EARTHWORKS EXTENTS THROUGH WRITTEN DIRECTION.
2. THE CONTRACTOR SHALL UNDERTAKE ALL CLEARING USING INDUSTRY BEST PRACTICE INCLUDING CONSIDERATION OF FAUNA RELOCATION.
3. THE CONTRACTOR SHALL UNDERTAKE ALL EARTHWORKS IN ACCORDANCE WITH AS3798-2007 AND LOCAL AUTHORITY REQUIREMENTS. LEVEL 1 SUPERVISION IS REQUIRED.
4. THE CONTRACTOR SHALL CONSIDER LOADS GENERATED BY THE EARTHWORKS OPERATIONS SO AS TO AVOID DAMAGE TO ALL PIPES, SERVICES AND STRUCTURES.
5. THE EARTHWORKS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT'S SEDIMENT AND EROSION CONTROL PLAN, WHERE APPLICABLE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLANNING, DESIGN, CERTIFICATION, IMPLEMENTATION AND MAINTENANCE OF AN EROSION AND SEDIMENT CONTROL PLAN THAT IS COMPLIANT WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) GUIDELINE 'BEST PRACTICE EROSION AND SEDIMENT CONTROL' AND RELEVANT COUNCIL POLICIES.
7. ALLOTMENT FINISHED SURFACE LEVELS, SHOWN ON THE LAYOUT PLAN, INDICATE THE FINISHED SURFACE LEVEL AFTER TOPSOIL PLACEMENT.

ROCK TREATMENT IN ALLOTMENTS

1. WHERE ALLOTMENTS ARE LOCATED IN CUT WITHIN ROCK, THE CONTRACTOR SHALL OVER-EXCAVATE A MINIMUM 500mm DEPTH BELOW DESIGN EARTHWORKS LEVEL (EWL), AND RECOMPACT IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION AND LEVEL ONE SUPERVISION.
2. ALL CUT LOTS WHICH ARE NOT LOCATED IN ROCK MUST ACHIEVE 100kPa BEARING CAPACITY. WHERE THIS CAN'T BE ACHIEVED, THE CONTRACTOR SHALL RECTIFY THE SUBGRADE IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION TO ACHIEVE A 100kPa BEARING CAPACITY.

ROCK TREATMENT IN VERGES

1. WHERE ROAD RESERVES ARE LOCATED IN CUT, THE CONTRACTOR SHALL OVER-EXCAVATE A MINIMUM 1000mm DEPTH BELOW DESIGN EARTHWORKS LEVEL (EWL) AND RECOMPACT IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION AND LEVEL ONE SUPERVISION.

EARTHWORKS SPECIFICATION

SPECIFICATION	DEPTH RANGE (m)				PAVEMENT SUBGRADE	TRENCH BACKFILL
	0.00 - 0.60	0.60 - 3.00	3.00 - 5.00	> 5.00		
CBR %	-	-	-	-	10	15
LAYER THICKNESS (mm)	300	300	300	300	BETWEEN SUBGRADE AND 0.3m BELOW	300
MAXIMUM PARTICLE SIZE (mm)	200	500	500	500	200	200
% PASSING 37.5mm	80% MIN	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES
% PASSING 0.075mm	30% MIN	REFER NOTES	REFER NOTES	REFER NOTES	REFER NOTES	REFER NOTES AND AS3798
COMPACTION	95% STD	95% STD	95% STD	95% STD	100% STD	95% MOD IN ROADS AND 95% STD OUTSIDE ROADS
MOISTURE	+/- 2% OMC	+/- 2% OMC	+/- 2% OMC	+/- 2% OMC	60% - 90% OF OMC	+/- 2% OMC

NOTES:
1. OMC - OPTIMUM MOISTURE CONTENT.
2. LAYER OF THICKNESS IS LIMITED TO 300mm TO ALLOW IDENTIFICATION OF LARGER PARTICLES AND ALLOW EVERY CHANCE OF BREAK DOWN IN FILLING OR REMOVAL.
3. TREATMENT OF ROCK TO SIZES ABOVE SHOULD BE CARRIED OUT IN CUT PRIOR TO LOADING TO FILL AREAS. TREATED ROCK TO BE APPROVED BY GITA PRIOR TO TRANSPORTING.
4. UPPER 0.6m, (PARTICULARLY IN AREAS OF DEEP FILL), OF THE FILL PROFILE TO BE RELATIVELY IMPERMEABLE HENCE INCREASE IN FINES COMPONENT.
5. PROOF ROLL TESTING ON EACH COMPACTED LAYER USING RUBBER WHEELED PLANT SUCH AS LOADED ADT'S OR LOADED SCRAPERS. UNFAVOURABLE DEFORMATION OF THE COMPACTED SURFACE UNDER LOAD OF ADT'S OR SCRAPERS WILL REQUIRE REPAIR PRIOR TO ADDITIONAL PLACEMENT.
6. MECHANICAL INTERLOCK METHODOLOGY IS NOT APPROPRIATE DUE TO POOR DURABILITY OF SITE WON SANDSTONE. FILL COMPOSITION IS REQUIRED TO INCLUDE AN APPROPRIATE SAND GRAVEL AND FINES COMPONENT CONFORMING TO THE REQUIREMENTS OF AS798.

KEY OUTCOMES FOR EARTHWORKS OPERATIONS
1. DELIVER RESIDENTIAL LOTS WITH FAVOURABLE LOT CLASSIFICATIONS - I.E - NO P CLASSIFICATIONS.
2. FILL THICKNESS DOES NOT VARY MORE THAN 2m OVER A DISTANCE OF 10m.
3. CONSTRUCT FILL AND LIMIT LONG TERM CREEP SETTLEMENTS TO WITHIN 0.5% TO 1.0% OF THE FILL THICKNESS.
4. BUILDING PLATFORM THAT ALLOWS BUILDERS TO CONSTRUCT SLAB ON GROUND RAFTS USING LIGHT EARTHMOVING EQUIPMENT
5. MATERIAL WON FROM CUTS AND USED IN FILL WITH REQUIRE:
   - CUTS IN ROCK AS WELL AS BLENDED WITH
   - CUTS IN FINER MATERIALS SUCH AS SANDS AND CLAYS
6. CREATING A FILL PLATFORM THAT IS ABLE TO BE TESTED IN ACCORDANCE WITH AS3798 AND AS1289.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1659
Date: 28 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH
DESIGN: KN
STATUS: ISSUED FOR APPROVAL
APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 27.06.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD
SCALE:
CLIENT: mirvac
ASSOCIATED CONSULTANT: ENGENY, saunders havill group
PROJECT NAME: MONARCH GLEN No. 1 PTY LTD
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN
DRAWING TITLE: GENERAL NOTES
PROJECT No. 25-0521
DRAWING No. 0003
REVISION A

PLOT - 27 Jun 2025 01:49 PM LOCATION - C:\12dS Workspace\data\AUMEL\SQU\0125-0521 Monarch Glen - ROL 4 Bulk Earthworks_5760\Design\Acad\25-0521-01 [COVER PLAN].dwg

DESIGN HAZARD NOTES:

1. PREMISE, HAVING BEEN COMMISSIONED TO CARRY OUT DETAILED DESIGN AND DOCUMENTATION OF THESE WORKS, CONFIRM THAT THE PREMISE DRAWING SET HAS BEEN INTERNALLY REVIEWED FOR DESIGN SAFETY IN ACCORDANCE WITH SECTION 22 OF THE WORK HEALTH AND SAFETY ACT 2011 QLD.
2. THIS REPORT SUMMARISES AN INTERNAL REVIEW OF PREMISE'S DETAILED DESIGN DRAWINGS FOR DESIGN SAFETY.
3. THIS REPORT IN NO WAY RELIEVES THE PRINCIPAL, CONTRACTOR OR ANY OTHER PARTY OF THEIR OWN OBLIGATIONS AND RESPONSIBILITIES UNDER THE WORK HEALTH AND SAFETY ACT 2011 QLD, INCLUDING (BUT NOT LIMITED TO) CONSULTATION WITH THE DESIGNER UNDER SECTION 294 OF THE ACT, THE PREPARATION OF SATISFACTORY SAFE WORK METHOD STATEMENTS AND DUTIES OF CARE.
4. IT IS A REQUIREMENT UNDER SECTION 296 OF THE WORK HEALTH AND SAFETY ACT 2011 QLD, THAT A COPY OF THIS REPORT BE PROVIDED TO THE CONTRACTOR BY THE ENTITY COMMISSIONING THE WORK SHOWN OF THE PREMISE DRAWINGS.
5. AS PER THE DEPARTMENT OF JUSTICE AND THE ATTORNEY-GENERAL- WORKPLACE HEALTH AND SAFETY QUEENSLAND, A WRITTEN REPORT IS NOT REQUIRED FOR DESIGNS THAT HAVE TYPICAL FEATURES.

CONSEQUENCE TABLE

LEVEL	CONSEQUENCE	COST/TIME
5 - EXTREME	FATALITY OR MULTIPLE PERSONS ONSITE WITH LIFE THREATENING HEALTH EFFECT OR INABILITY TO CONTINUE	HUGE FINANCIAL OR TIME LOSS
4 - MAJOR	EXTENSIVE INJURIES, OR ONSET OF SEVERE OR LIFE THREATENING HEALTH EFFECT TO SINGLE PERSON ONSITE. MULTIPLE PERSONS WITH ONSET OF IRREVERSIBLE HEALTH EFFECTS. PREMANENT INJURT TO PERSON INSITE.	MAJOR FINANCIAL OR TIME LOSS
3 - MODERATE	MEDICAL TREATMENT REQUIRED. IRREVERSIBLE HEALTH EFFECT TO A SINGLE PERSON. MULTIPLE PERSONS ONSITE WITH REVERSIBLE HEALTH EFFECTS.	HIGH FINANCIAL OR TIME LOSS
2 - MINOR	FIRST AID, SINGLE OR MULTIPLE INJURIES AMONGST PERSONS ONSITE. SINGLE PERSON ONSITE WITH MODERATE SHORT TERM REVERSIBLE HEALTH EFFECTS.	MEDIUM FINANCIAL OR TIME LOSS
1 - NEGLIGIBLE	NO INJURIES. OVER EXPOSURE TO A SINGLE PERSON ONSITE, BUT NO REPORTED HEALTH EFFECTS.	LOW FINANCIAL OR TIME LOSS

CONSTRUCTION HAZARD NOTES:

1. UNDER THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011, THE WORK HEALTH AND SAFETY REGULATION 2011 AND OTHER LEGISLATION AND GUIDELINES, THE PRINCIPAL CONTRACTOR HAS SPECIFIC OBLIGATIONS IN RELATION TO THE SAFE OPERATION OF THE SITE AND OF THE WORKS.
   TO ASSIST THE PRINCIPAL CONTRACTOR IN COMPLYING WITH THESE OBLIGATIONS THE PROJECT DESIGNERS HAVE IDENTIFIED BY DRAWING NOTES, AREAS WHERE POTENTIAL HAZARDS MAY ARISE. THESE NOTES OR ADVICE, SHALL NOT NECESSARILY BE CONSIDERED COMPLETE AND ARE BASED UPON THE DESIGNERS' UNDERSTANDING OF THE SAFETY RISKS ASSOCIATED WITH THE WORKS.
   THESE NOTES OR ADVICE SHALL NOT RELIEVE THE PRINCIPAL CONTRACTOR OF ANY OBLIGATION UNDER THE RELEVANT LEGISLATION OR GUIDELINE. THE PRINCIPAL CONTRACTOR SHALL REMAIN RESPONSIBLE FOR THE PREPARATION OF AN APPROPRIATE WORK HEALTH SAFETY MANAGEMENT PLAN AND SAFE WORK METHOD STATEMENTS FOR THE SITE.
2. PURSUANT TO THE WORK HEALTH AND SAFETY ACT 2011 WE HEREBY ADVISE THAT OUR DESIGN SAFETY REVIEW HAS IDENTIFIED UNUSUAL OR ATYPICAL DESIGN FEATURES THAT MAY PRESENT ADDITIONAL HAZARDS OR RISKS DURING THE CONSTRUCTION PHASE AND THESE ARE LISTED IN THE CONSTRUCTION HAZARD SCHEDULE.

RISK ANALYSIS MATRIX

	VALUE	1 - INSIGNIFICANT	2 - MINOR	3 - MODERATE	4 - MAJOR	5 - CATASTROPHIC
LIKELIHOOD	VERY LIKELY	VERY HIGH	VERY HIGH	HIGH	MEDIUM	LOW
	LIKELY	VERY HIGH	HIGH	MEDIUM	LOW	VERY LOW
	POSSIBLE	HIGH	HIGH	MEDIUM	LOW	VERY LOW
	UNLIKELY	HIGH	MEDIUM	LOW	LOW	VERY LOW
	VERY UNLIKELY	MEDIUM	LOW	VERY LOW	VERY LOW	VERY LOW

RISK EVALUATION TABLE

RISK LEVEL	ACTION REQUIRED
VERY HIGH	UNACCEPTABLE RISK. RE-DESIGN REQUIRED. DO NOT PROCEED WITHOUT ADDITIONAL CONTROLS.
HIGH	UNACCEPTABLE RISK. ADDITIONAL CONTROLS NEEDED. CONSIDER FURTHER REVIEW AND CONSIDER RE-DESIGN.
MEDIUM	RISK MAY BE ACCEPTABLE. MANAGEMENT TO DETERMINE ACTIONS REQUIRED.
LOW	ACCEPTABLE. MANAGE RISK THROUGH ROUTINE PROCEDURES AND OTHER ADMINISTRATIVE CONTROLS.
VERY LOW	ACCEPTABLE. EXPOSURE TO THIS LEVEL OF RISK IS ACCEPTABLE WITHOUT ADDITIONAL CONTROLS WITH PERIODIC REVIEW.

LIKELIHOOD TABLE

LEVEL	DESCRIPTION	QUANTIFICATION GUIDE
A - ALMOST CERTAIN	THE EVENT IS EXPECTED TO OCCUR IN MOST CERTAIN CIRCUMSTANCES	MORE THAN ONCE PER YEAR
B - LIKELY	THE EVENT WILL PROBABLY OCCUR IN MOST CIRCUMSTANCES	AT LEAST ONCE IN 5 YEARS
C - POSSIBLE	THE EVENT SHOULD OCCUR AT SOME TIME	AT LEAST ONCE IN 10 YEARS
D - UNLIKELY	THE EVENT COULD OCCUR AT SOME TIME	AT LEAST ONCE IN 30 YEARS
E - RARE	THE EVENT MAY OCCUR IN EXCEPTIONAL CIRCUMSTANCES	LESS THAN ONCE IN 30 YEARS

DESIGN HAZARD SCHEDULE

ITEM	DESIGN HAZARD	POTENTIAL HAZARD	RISK	ELIMINATION / MINIMISATION OF HAZARD / RISK	RESIDUAL RISK
D1					
D2					
D3					
D4					
D5					

DESIGN HAZARD SCHEDULE

ITEM	POTENTIAL HAZARD	POSSIBLE PREVENTATIVE ACTION
C1		
C2		
C3		
C4		
C5		

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

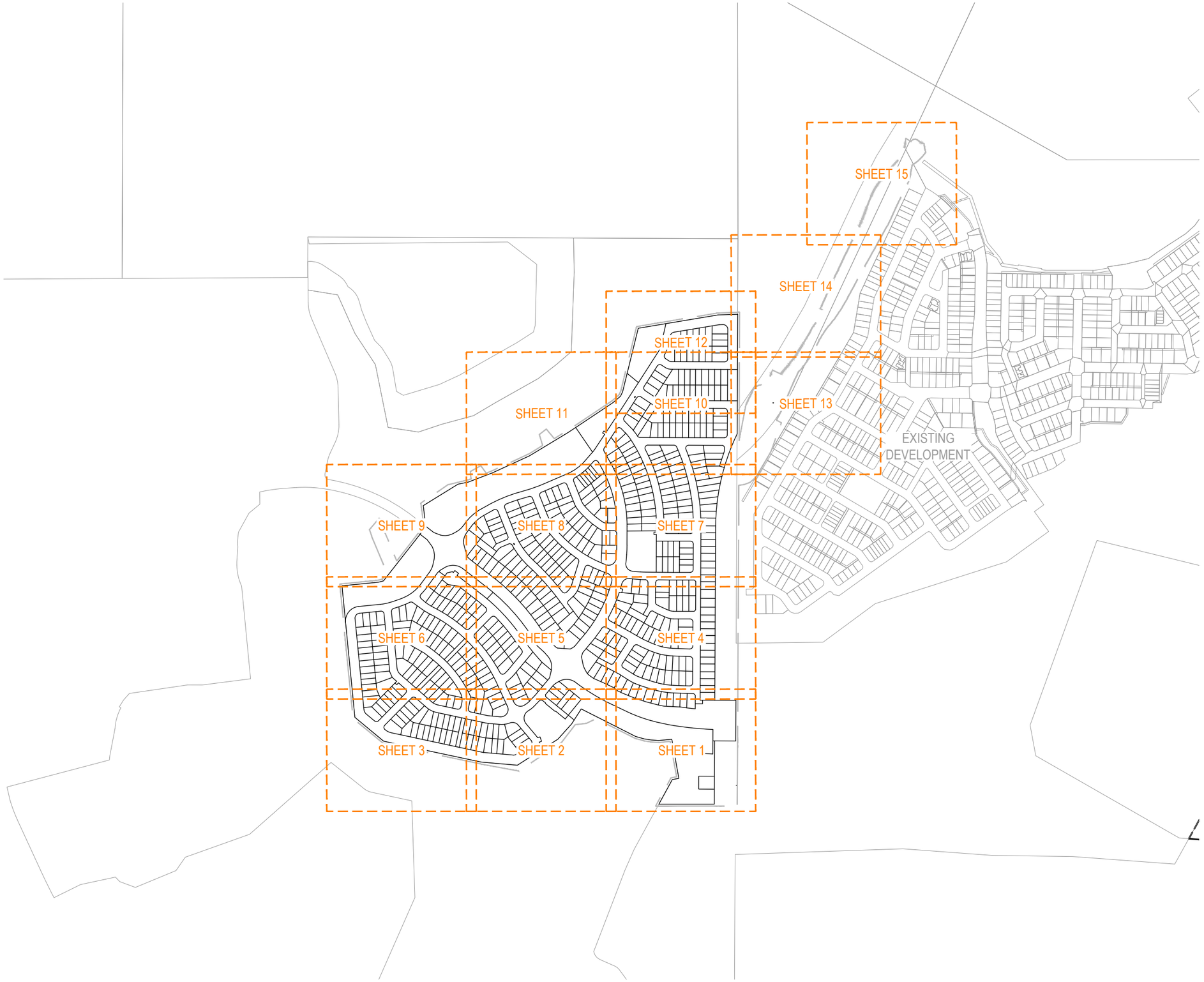
PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **SAFETY IN DESIGN**

PROJECT No.	DRAWING No.	REVISION
25-0521	0004	A

PLOT - 27 Jun 2025 01:49 PM | LOCATION - C:\12dS Workspace\data\AUMEL5QU01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-01 [COVER PLAN].dwg



PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:4000 / 1:8000 — 80 40 0 80 160 — A1 / A3

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **OVERALL LAYOUT PLAN**

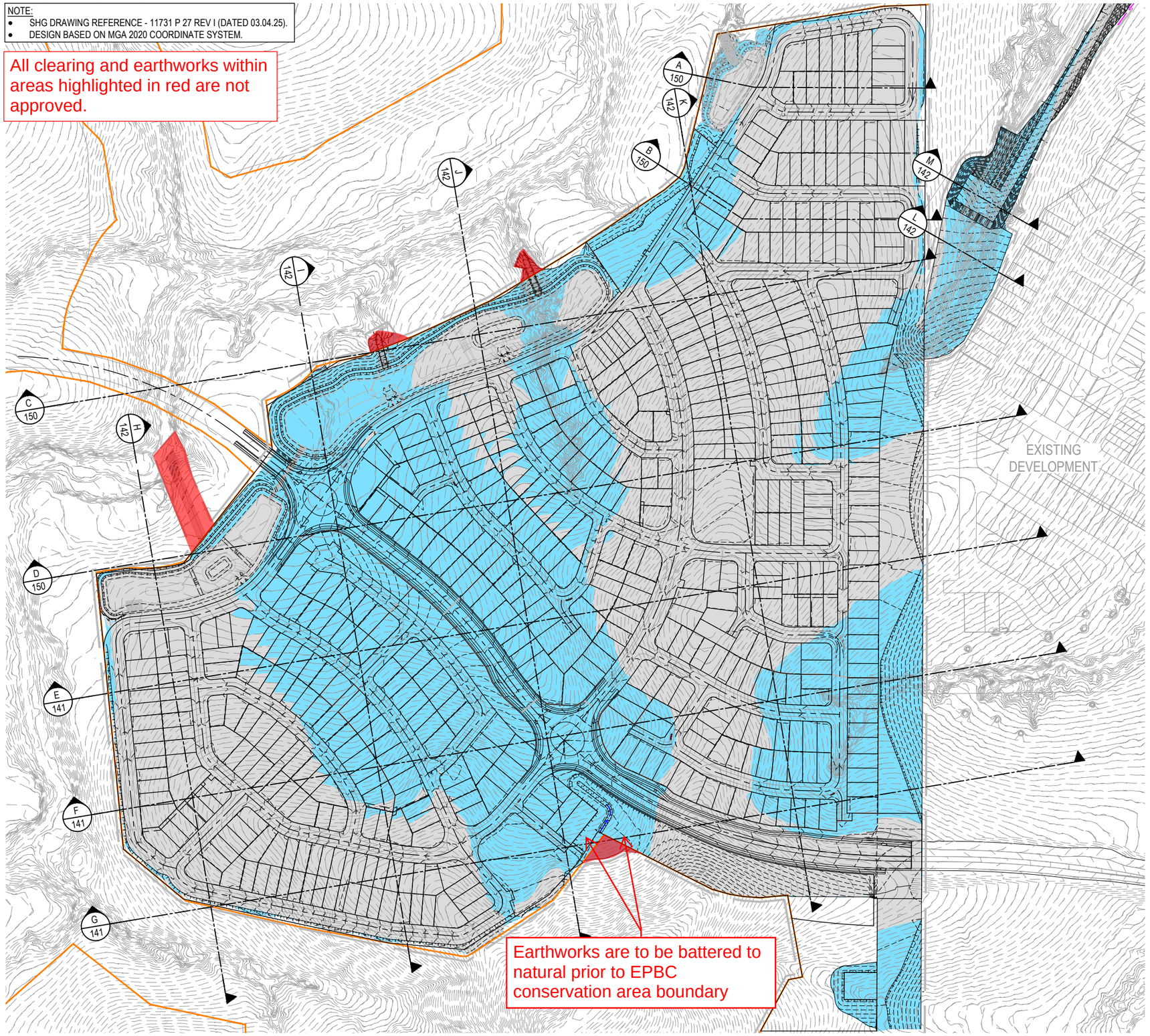
PROJECT No.	DRAWING No.	REVISION
25-0521	0005	A

PLOT - 27 Jun 2025 01:49 PM | LOCATION - C:\12\$S_Workspace\data\AUMEL\SQU\01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-02 [OVERALL].dwg

NOTE:
- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.

All clearing and earthworks within areas highlighted in red are not approved.

REFER INSET A FOR CONTINUATION



LEGEND

- INDICATIVE AREA OF WORKS
- EPBC CONSERVATION AREA
- PROPOSED DRAINAGE SWALE
- PROPOSED DIVERSION BUND
- PROPOSED SURFACE CONTOUR (1.11)
- EXISTING SURFACE CONTOUR (1.11)
- PROPOSED AREA OF CUT
- PROPOSED AREA OF FILL

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1659
Date: 28 August 2025
Queensland Government

AMENDED IN RED
By: Tiana Hill
Date: 19 August 2025
Queensland Government

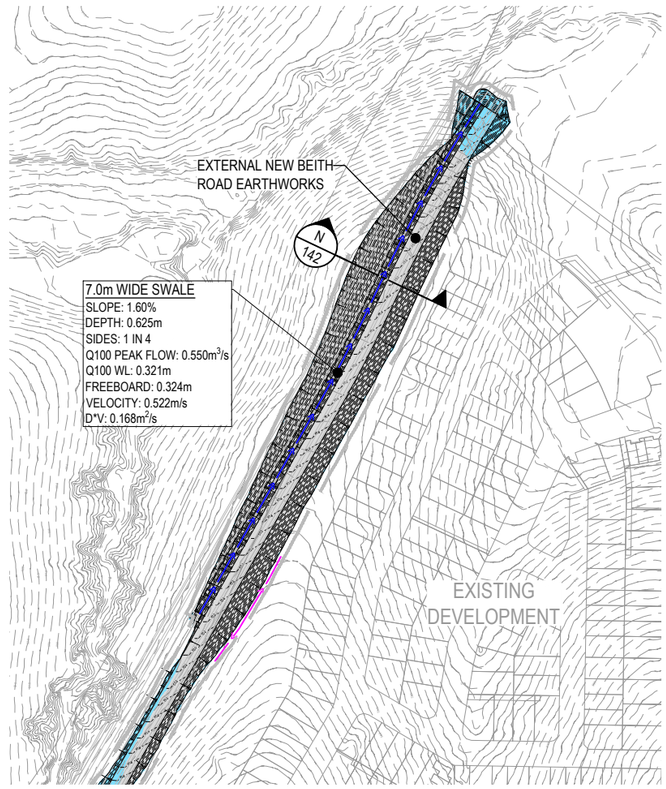
CONCEPT EXTERNAL NEW BEITH ROAD BULK EARTHWORKS VOLUMES

CUT	33826m^3
FILL	38765m^3
IMPORT	4939m^3

CONCEPT PRECINCT 101 AND 102 BULK EARTHWORKS VOLUMES

CUT	944770m^3
FILL	962028m^3
IMPORT	17258m^3

- VOLUME CALCULATED TO FINISHED SURFACE
- NO ROAD BOXING CONSIDERED
- NO ALLOWANCE FOR TOPSOIL STRIPPING/ PLACEMENT CONSIDERED
- NO COMPACTION FACTORS CONSIDERED
- EXISTING LIDAR SURFACE ONLY - NO DETAILED SURVEY
- NO TRENCH SPOIL CONSIDERED



INSET A
SCALE 1:2000 (A1)
SCALE 1:4000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH
DESIGN: KN
STATUS: ISSUED FOR APPROVAL
APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:2000 20 0 20 40 60 80 100 A1; 1:4000 A3

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY; saunders havill group

PROJECT NAME: MONARCH GLEN No. 1 PTY LTD
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: BULK EARTHWORKS OVERALL LAYOUT

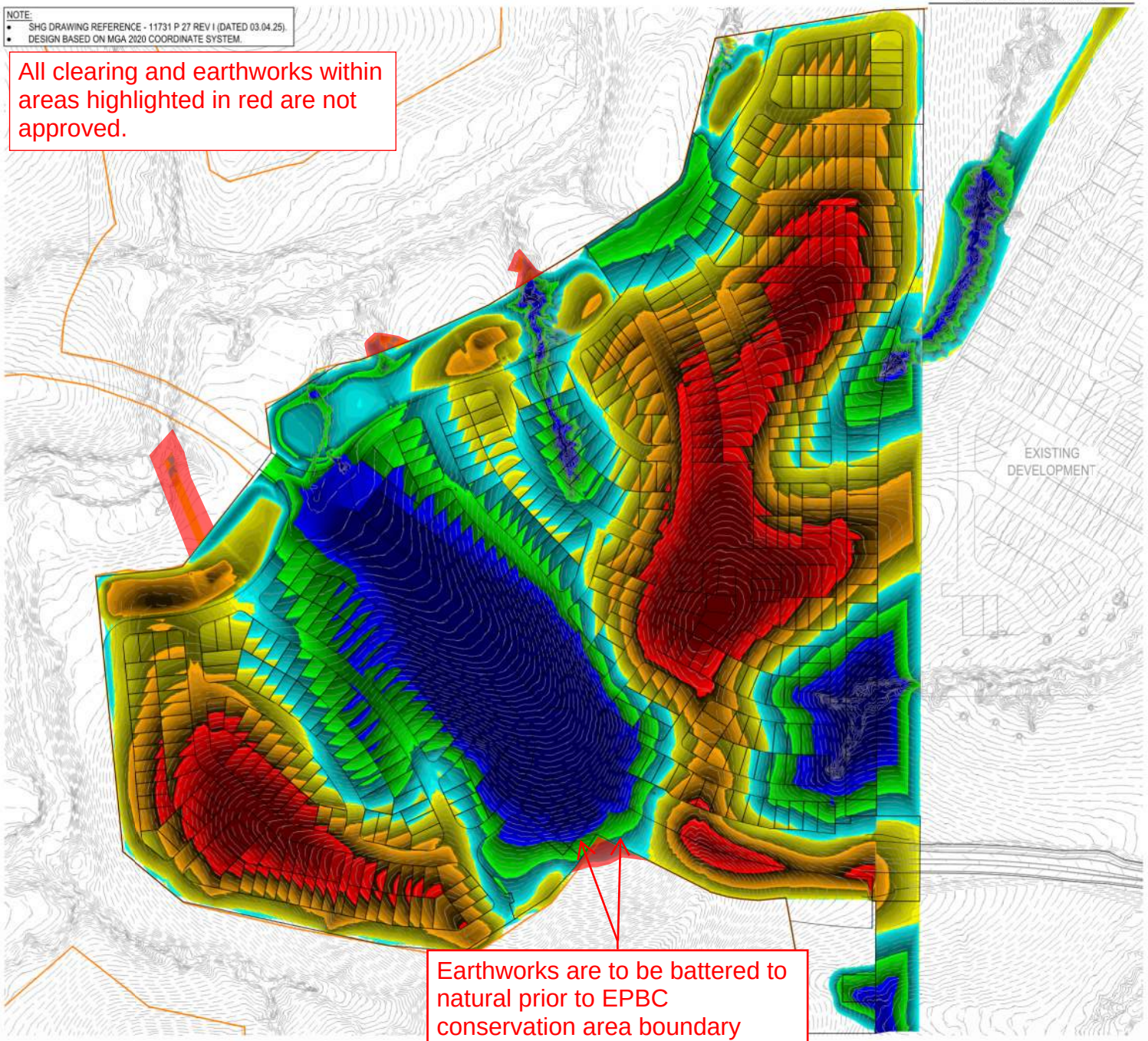
PROJECT No.	DRAWING No.	REVISION
25-0521	0100	A

PLOT - 27 Jun 2025 01:50 PM LOCATION - C:\12\5\Workspaces\data\AUMES.SQ\01\25-0521 Monarch Glen - RDL 4 Bulk Earthworks_51782\Design\Acad\25-0521-03 (OVERALL EW).dwg

NOTE:
- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.

All clearing and earthworks within areas highlighted in red are not approved.

REFER INSET A FOR CONTINUATION



Earthworks are to be battered to natural prior to EPBC conservation area boundary

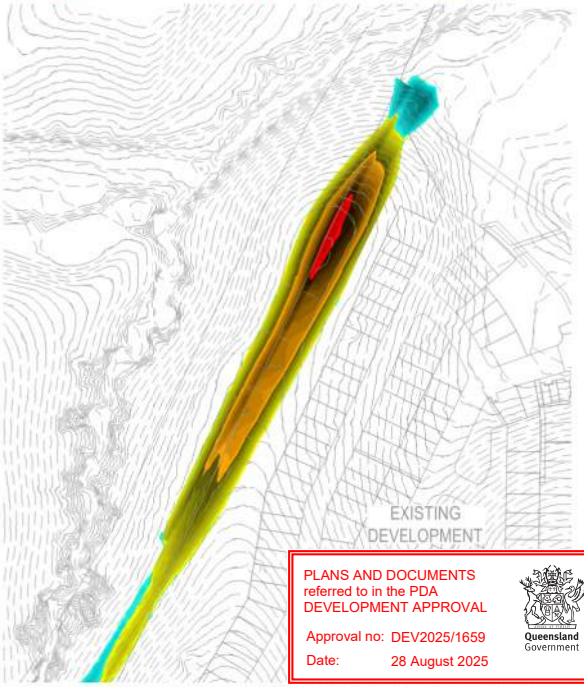
LEGEND

- EPBC CONSERVATION AREA
- EXISTING SURFACE CONTOURS

CUT 7.25m OR LOWER	CUT 2.50 - 2.25m	FILL 2.50 - 2.75m
CUT 7.25 - 7.00m	CUT 2.25 - 2.00m	FILL 2.75 - 3.00m
CUT 7.00 - 6.75m	CUT 2.00 - 1.75m	FILL 3.00 - 3.25m
CUT 6.75 - 6.50m	CUT 1.75 - 1.50m	FILL 3.25 - 3.50m
CUT 6.50 - 6.25m	CUT 1.50 - 1.25m	FILL 3.50 - 3.75m
CUT 6.25 - 6.00m	CUT 1.25 - 1.00m	FILL 3.75 - 4.00m
CUT 6.00 - 5.75m	CUT 1.00 - 0.75m	FILL 4.00 - 4.25m
CUT 5.75 - 5.50m	CUT 0.75 - 0.50m	FILL 4.25 - 4.50m
CUT 5.50 - 5.25m	CUT 0.50 - 0.25m	FILL 4.50 - 4.75m
CUT 5.25 - 5.00m	CUT 0.25 - 0.00m	FILL 4.75 - 5.00m
CUT 5.00 - 4.75m	FILL 0.00 - 0.25m	FILL 5.00 - 5.25m
CUT 4.75 - 4.50m	FILL 0.25 - 0.50m	FILL 5.25 - 5.50m
CUT 4.50 - 4.25m	FILL 0.50 - 0.75m	FILL 5.50 - 5.75m
CUT 4.25 - 4.00m	FILL 0.75 - 1.00m	FILL 5.75 - 6.00m
CUT 4.00 - 3.75m	FILL 1.00 - 1.25m	FILL 6.00 - 6.25m
CUT 3.75 - 3.50m	FILL 1.25 - 1.50m	FILL 6.25 - 6.50m
CUT 3.50 - 3.25m	FILL 1.50 - 1.75m	FILL 6.50 - 6.75m
CUT 3.25 - 3.00m	FILL 1.75 - 2.00m	FILL 6.75 - 7.00m
CUT 3.00 - 2.75m	FILL 2.00 - 2.25m	FILL 7.00 - 7.25m
CUT 2.75 - 2.50m	FILL 2.25 - 2.50m	FILL 7.25m OR HIGHER

AMENDED IN RED
By: Tiana Hill
Date: 19 August 2025

Queensland Government



INSET A
SCALE 1:2000 (A1)
SCALE 1:4000 (A3)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1659
Date: 28 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH
DESIGN: KN

STATUS: ISSUED FOR APPROVAL
APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:2000 20 0 20 40 60 80 100 A1; 1:4000 A3

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY; SHG

PROJECT NAME: MONARCH GLEN No. 1 PTY LTD
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: BULK EARTHWORKS DEPTH RANGE PLAN

PROJECT No.	DRAWING No.	REVISION
25-0521	0110	A

REFER SHEET 4 FOR CONTINUATION

REFER SHEET 2 FOR CONTINUATION

ROAD 01

HOMESTEAD DRIVE

DRIVEWAY 18

FUTURE NEW BE

FUTURE NEW BEITH ROAD RESERVE

11340

12198

12197

12196

78.50

SEE SEPARATE APPLICATION FOR HOMESTEAD DRIVE BULK EARTHWORKS INFORMATION

LEGEND

- FUTURE RETAINING WALL 0.45 - 1.5m HIGH
- FUTURE RETAINING WALL 1.5 - 2.0m HIGH
- FUTURE RETAINING WALL 2.0 - 2.5m HIGH
- FUTURE BOULDER WALL
- EPBC CONSERVATION AREA
- PROPOSED DRAINAGE SWALE
- PROPOSED DIVERSION BUND
- PROPOSED TOP OF BATTER
- PROPOSED PAD
- INDICATIVE DRIVEWAY LOCATION
- ZERO LOT BOUNDARY
- 11.11 PROPOSED FINISHED SURFACE LEVEL (FSL)
- 11.11 PROPOSED ROAD VERGE LEVEL
- 1.11 PROPOSED SURFACE CONTOUR
- 1.11 EXISTING SURFACE CONTOUR
- PROPOSED AREA OF CUT
- PROPOSED AREA OF FILL

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

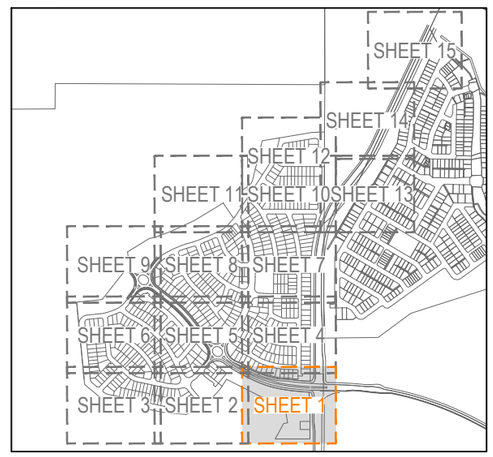
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 1 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0120	A

PLOT - 27 Jun 2025 01:54 PM LOCATION - C:\12&S_Workspace\data\AU\MEL\SQ\01\25-0521 Monarch Glen - RDL 4 Bulk Earthworks_5178\Design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

REFER SHEET 5 FOR CONTINUATION

REFER SHEET 3 FOR CONTINUATION

REFER SHEET 1 FOR CONTINUATION

FOR LEGEND REFER DRAWING 25-0521-0120

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

All clearing and earthworks within areas highlighted in red are not approved.

AMENDED IN RED

By: Tiana Hill

Date: 19 August 2025

Queensland Government

RL 81.50

FILLING INSIDE EPBC ZONE TO BE POSTPONED UNTIL PROVISION OF VMP AND REHABILITATION PLAN BY SHG WHICH WILL FORM PART OF THE CIVIL SUBMISSION

Earthworks are to be battered to natural prior to EPBC conservation area boundary

WARNING! - EXISTING SERVICES

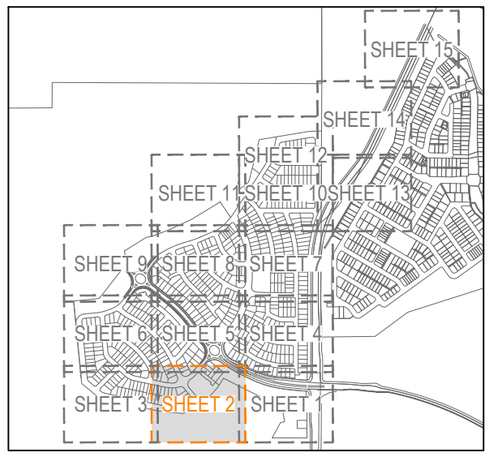
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: ISSUED FOR APPROVAL

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

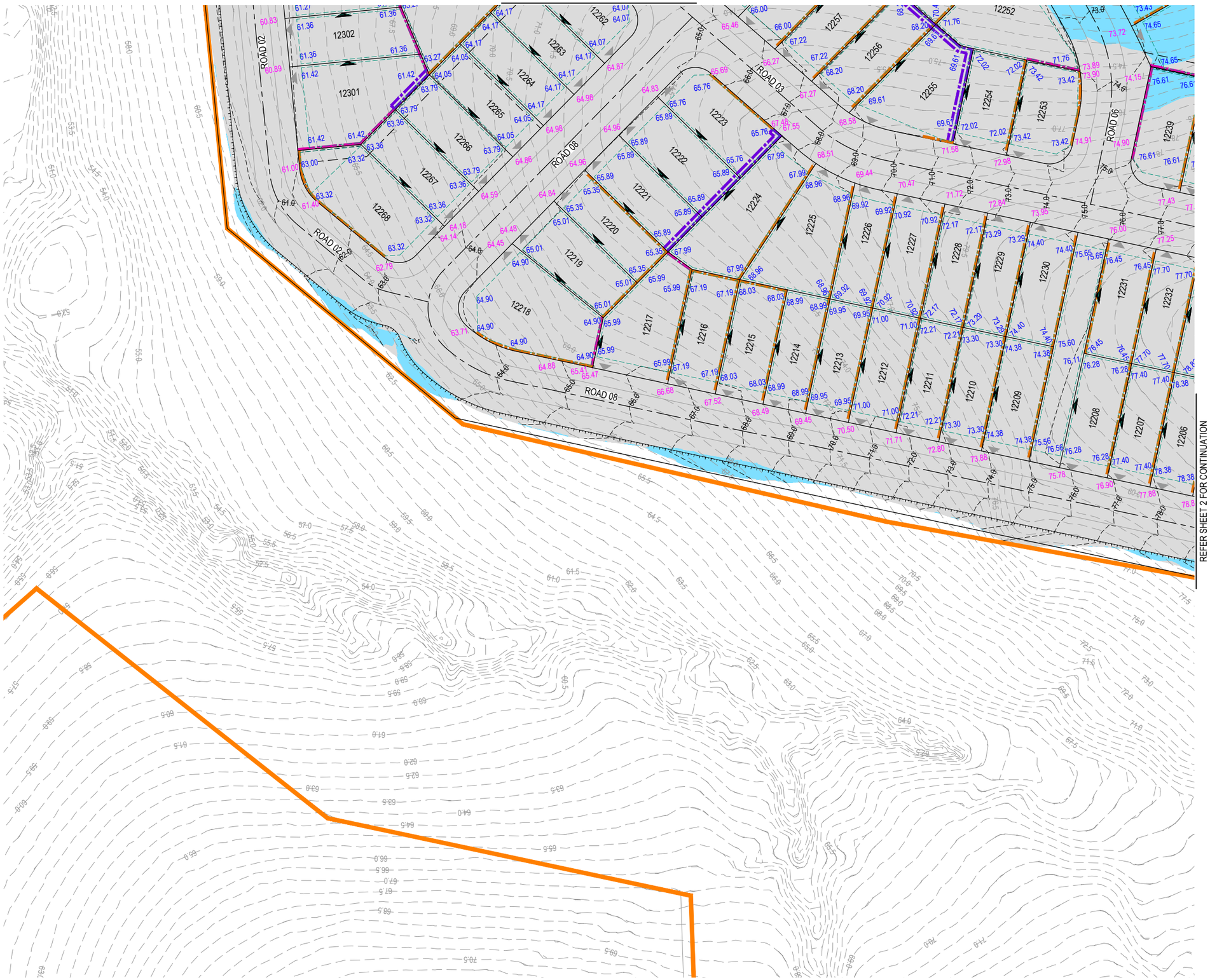
PROJECT NAME: MONARCH GLEN No. 1 PTY LTD

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: BULK EARTHWORKS LAYOUT PLAN SHEET 2 OF 15

PROJECT No.	DRAWING No.	REVISION
25-0521	0121	A

PLOT - 27 Jun 2025 01:56 PM LOCATION - C:\12dS Workspace\data\ALIMES.SQL\01\25-0521 Monarch Glen - RO\L 4 Bulk Earthworks_5760\Design\Acad\25-0521-06 [BULK EARTHWORKS].dwg



FOR LEGEND REFER DRAWING 25-0521-0120

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

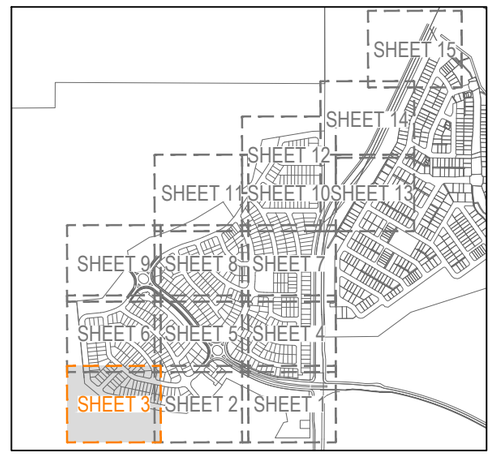
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1
1:1000 A3

1:10000 100 0 100 200 300 400 500 A1
1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 3 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0122	A

PLOT - 27 Jun 2025 01:57 PM LOCATION - C:\12dS Workspace\data\AUMEL\SQL\01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_STRD\design\Acad\25-0521-06 BULK EARTHWORKS(3).dwg

REFER SHEET 7 FOR CONTINUATION

REFER SHEET 5 FOR CONTINUATION

REFER SHEET 1 FOR CONTINUATION

FOR LEGEND REFER DRAWING 25-0521-0120

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

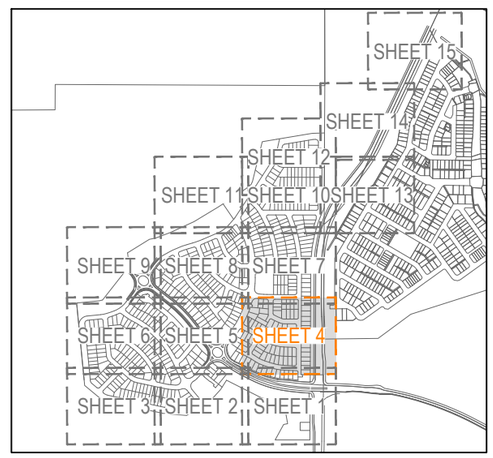
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 4 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0123	A

PLOT - 27 Jun 2025 10:51 PM LOCATION - C:\1245 Workspace\data\AUMEL\SQU\125-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-06 BULK EARTHWORKS.dwg

REFER SHEET 8 FOR CONTINUATION

REFER SHEET 6 FOR CONTINUATION

REFER SHEET 4 FOR CONTINUATION

REFER SHEET 2 FOR CONTINUATION

FOR LEGEND REFER DRAWING 25-0521-0120

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

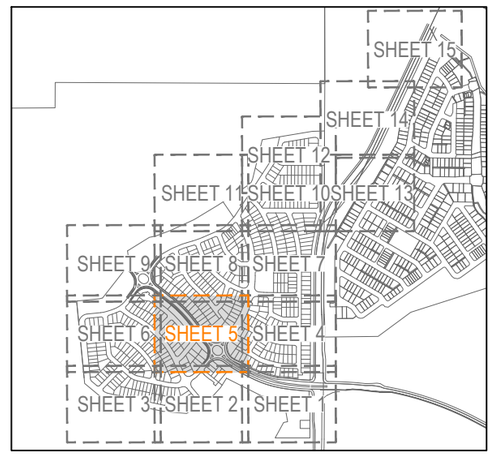
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 5 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0124	A

PLOT - 27 Jun 2025 01:57 PM LOCATION - C:\1025 Workspace\data\AUMELB.SOU\01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_51760\design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

REFER SHEET 9 FOR CONTINUATION

REFER BBNE00356-0016-DWG-1100 [A] ENGENY DRAWINGS FOR BASIN 1 DETAILS

FOR LEGEND REFER DRAWING 25-0521-0120

REFER SHEET 5 FOR CONTINUATION

REFER SHEET 3 FOR CONTINUATION

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

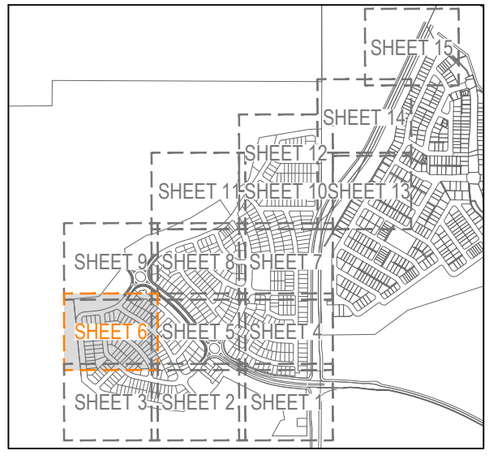
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 6 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0125	A

PLOT - 27 Jun 2025 01:58 PM LOCATION - C:\12&S_Workspace\data\AUMEL\SQU\01\25-0521 Monarch Glen - RQL 4 Bulk Earthworks_5176\Design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

REFER SHEET 10 FOR CONTINUATION

REFER SHEET 8 FOR CONTINUATION

REFER SHEET 4 FOR CONTINUATION

FOR LEGEND REFER DRAWING 25-0521-0120

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

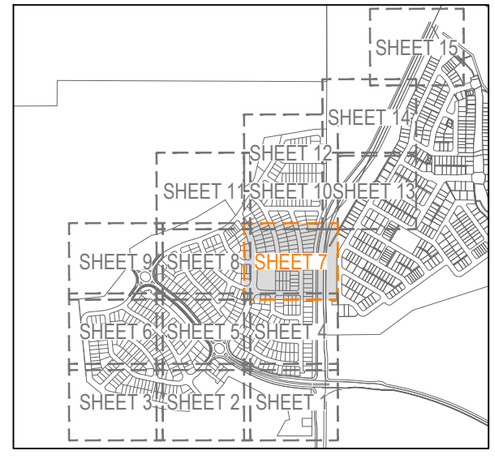
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 7 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0126	A

PLOT - 27 Jun 2025 01:58 PM - LOCATION - C:\124S_Workspace\data\AUM\SLS\0U01\25-0521 Monarch Glen - RQL 4 Bulk Earthworks_STG\Design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 9 FOR CONTINUATION

REFER SHEET 7 FOR CONTINUATION

REFER SHEET 5 FOR CONTINUATION

REFER BBNE00356-0016-DWG-2100 [A] ENGENY DRAWINGS FOR BASIN 2 DETAILS

FOR LEGEND REFER DRAWING 25-0521-0120

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

All clearing and earthworks within areas highlighted in red are not approved.

AMENDED IN RED

By: Tiana Hill

Date: 19 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

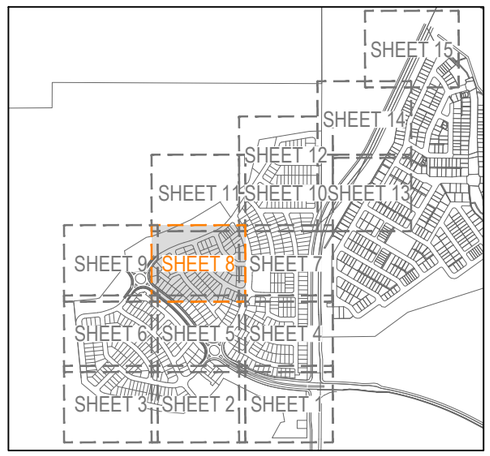
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 8 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0127	A

PLOT - 27 Jun 2025 01:59 PM LOCATION - C:\1924S Workspace\data\AUMELSQU01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_51760\design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

FOR LEGEND REFER DRAWING 25-0521-0120

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

All clearing and earthworks within areas highlighted in red are not approved.

AMENDED IN RED

By: Tiana Hill

Date: 19 August 2025

Queensland Government

REFER BBNE00356-0016-DWG-1100 [A]
ENGENY DRAWINGS FOR BASIN 2 DETAILS

REFER BBNE00356-0016-DWG-1100 [A]
ENGENY DRAWINGS FOR BASIN 1 DETAILS

ROAD 01

ROAD 02

10m BUFFER AROUND EARTHWORKS EXTENTS

REFER SHEET 8 FOR CONTINUATION

REFER SHEET 6 FOR CONTINUATION

WARNING! - EXISTING SERVICES

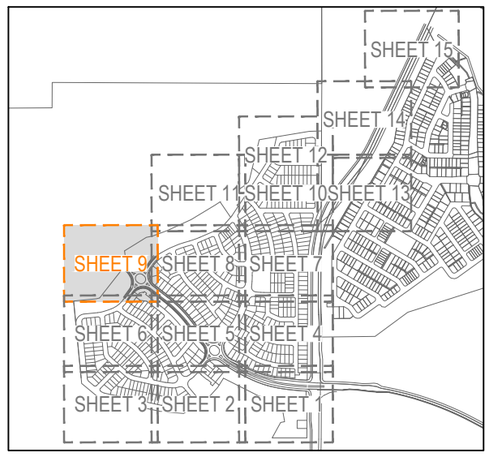
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1
1:1000 A3

1:10000 100 0 100 200 300 400 500 A1
1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 9 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0128	A

PLOT - 27 Jun 2025 01:59 PM LOCATION - C:\12dS Workspace\data\AUMEL5\QU\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_51760\design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

REFER SHEET 12 FOR CONTINUATION

REFER BBNE00356-0016-DWG-3100 [A] ENGENY DRAWINGS FOR BASIN 3 DETAILS

FOR LEGEND REFER DRAWING 25-0521-0120

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 7 FOR CONTINUATION

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

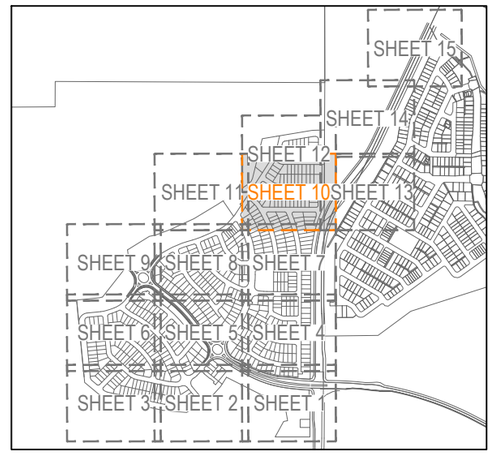
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 10 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0129	A

PLOT - 27 Jun 2025 01:59 PM LOCATION - C:\12dS_Workspace\data\AUMELSQU01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_51\9\design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

FOR LEGEND REFER DRAWING 25-0521-0120

REFER SHEET 10 FOR CONTINUATION

REFER BBNE00356-0016-DWG-1100 [A]
ENGENY DRAWINGS FOR BASIN 2 DETAILS

REFER SHEET 8 FOR CONTINUATION

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

All clearing and earthworks within areas highlighted in red are not approved.

AMENDED IN RED

By: Tiana Hill

Date: 19 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

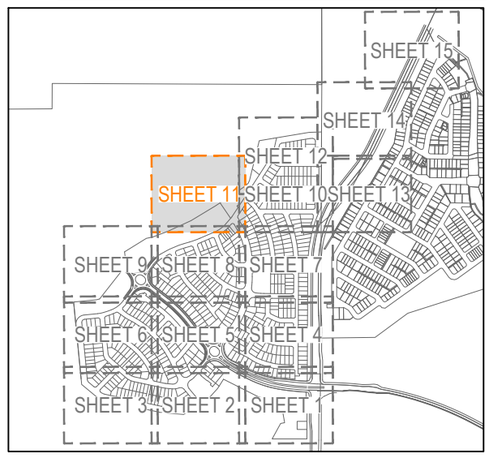
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH
DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3
1:10000 100 0 100 200 300 400 500 A1
1:20000 A3
KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 11 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0130	A

PLOT - 27 Jun 2025 02:20 PM LOCATION - C:\12dS Workspace\data\AUMEL\SQL01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_8176\Design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

FOR LEGEND REFER DRAWING 25-0521-0120

REFER BBNE00356-0016-DWG-3100 [A] ENGENY DRAWINGS FOR BASIN 3 DETAILS

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 13 FOR CONTINUATION

REFER SHEET 10 FOR CONTINUATION

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

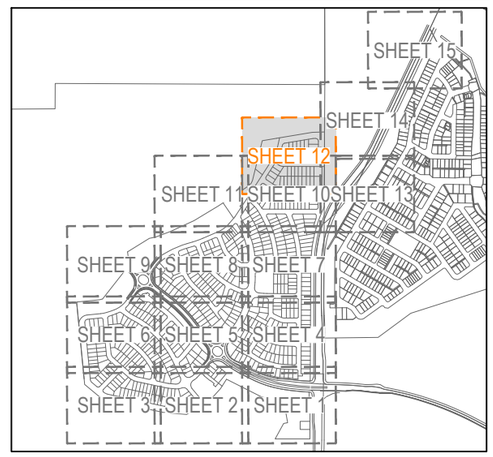
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: ISSUED FOR APPROVAL

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: MONARCH GLEN No. 1 PTY LTD

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: BULK EARTHWORKS LAYOUT PLAN SHEET 12 OF 15

PROJECT No.	DRAWING No.	REVISION
25-0521	0131	A

PLOT - 27 Jun 2025 02:00 PM LOCATION - C:\12d\6 Workspace\data\AUMEL\SQL01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-06 BULK EARTHWORKS].dwg

REFER SHEET 14 FOR CONTINUATION

REFER SHEET 12 FOR CONTINUATION

ROAD 11

EXISTING CREEK TO BE FILLED

FOR LEGEND REFER DRAWING 25-0521-0120

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

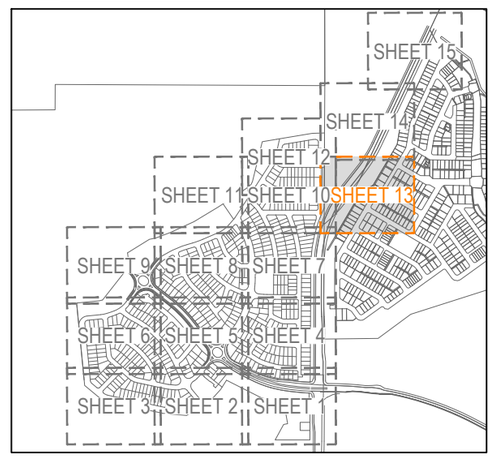
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: ISSUED FOR APPROVAL

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: MONARCH GLEN No. 1 PTY LTD

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: BULK EARTHWORKS LAYOUT PLAN SHEET 13 OF 15

PROJECT No.	DRAWING No.	REVISION
25-0521	0132	A

PLOT - 27 Jun 2025 02:20 PM LOCATION - C:\12d\S Workspace\data\AUMES.SQL01\25-0521 Monarch Glen - RQL 4 Bulk Earthworks_5176\Design\Acad\25-0521-06 [BULK EARTHWORKS].dwg

REFER SHEET 15 FOR CONTINUATION

FOR LEGEND REFER DRAWING 25-0521-0120

PROPOSED DRAINAGE SWALE TO CAPTURE EXISTING FLOWS AND REDIRECT TO CREEK, REFER DETAIL ON DRG 25-0521-0143

PROPOSED DIVERSION BUND TO CONTROL UPSTREAM CATCHMENT

REFER SHEET 12 FOR CONTINUATION

REFER SHEET 13 FOR CONTINUATION

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

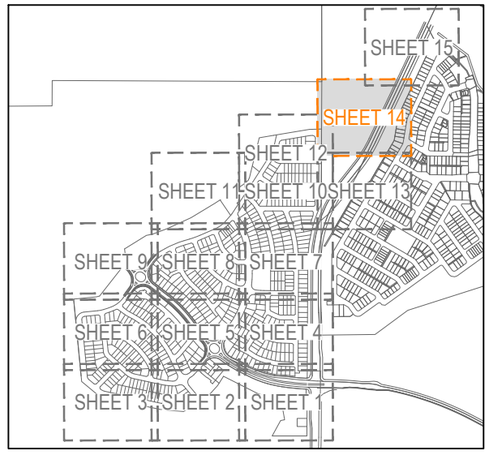
WARNING! - EXISTING SERVICES

EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:
- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3
1:10000 100 0 100 200 300 400 500 A1
1:20000 A3
KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 14 OF 15**

PROJECT No.	DRAWING No.	REVISION
25-0521	0133	A

PLOT - 27 Jun 2025 02:01 PM LOCATION - C:\12d\ Workspace\data\AUMEL\SQL\0125-0521 Monarch Glen - ROL 4 Bulk Earthworks_5.5\76\Design\Acad\25-0521-05 [BULK EARTHWORKS].dwg

FOR LEGEND REFER DRAWING 25-0521-0120

PROPOSED DRAINAGE SWALE TO CAPTURE EXISTING FLOWS AND REDIRECT TO CREEK, REFER DETAIL ON DRG 25-0521-0143

REFER SHEET 14 FOR CONTINUATION

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

WARNING! - EXISTING SERVICES

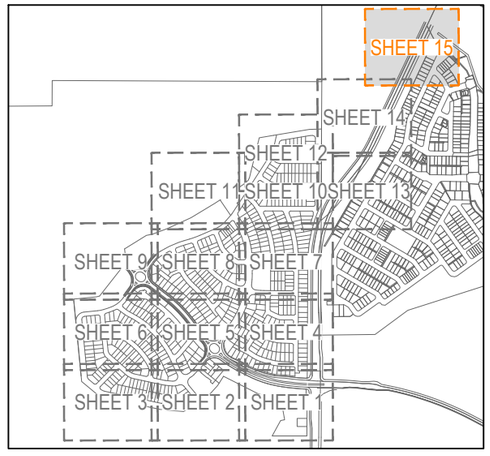
EXTREME CARE SHOULD BE TAKEN WHEN EXCAVATING IN THIS AREA. THE FOLLOWING EXISTING SERVICES ARE LIKELY TO BE PRESENT IN THE VICINITY OF THE SITE:

- ELECTRICAL CABLES
- TELECOMMUNICATIONS CABLES
- GAS MAINS
- WATER MAINS
- SEWER MAINS

THE CONTRACTOR SHOULD CONTACT THE SERVICE PROVIDER FOR FURTHER INFORMATION AND SATISFY THEMSELVES OF ANY SPECIFIC TREATMENT OR REQUIREMENTS.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.



KEY PLAN

SCALE 1:10000 (A1)

SCALE 1:20000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

1:10000 100 0 100 200 300 400 500 A1

1:20000 A3

KEY PLAN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

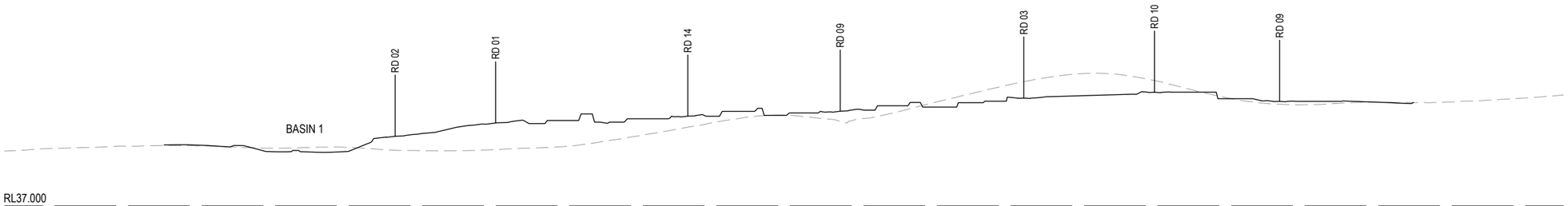
PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS LAYOUT PLAN SHEET 15 OF 15**

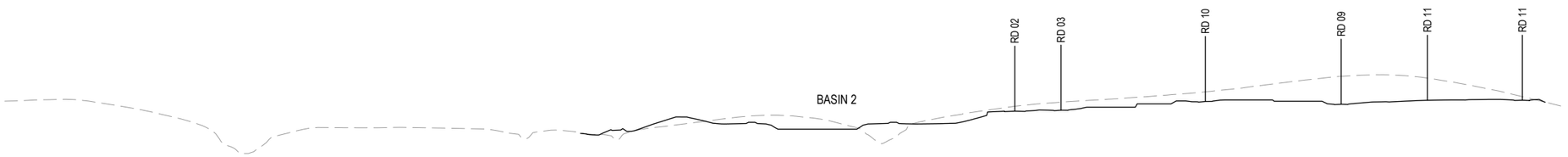
PROJECT No.	DRAWING No.	REVISION
25-0521	0134	A

PLOT - 27 Jun 2025 02:01 PM LOCATION - C:\12d\S Workspace\data\AU\MELSDU\125-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-06 [BULK EARTHWORKS].dwg



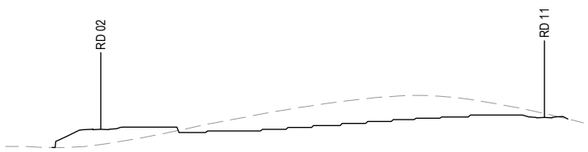
RL37.000

SECTION D 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)



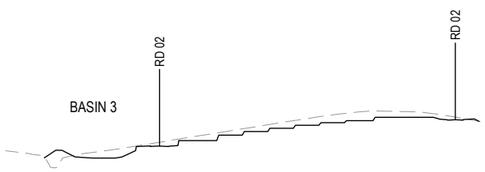
RL28.000

SECTION C 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)



RL33.000

SECTION B 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)



RL26.000

SECTION A 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597

DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:1500 30 20 10 0 30 60 A1
1:3000 A3
HORIZONTAL

1:750 15 0 15 30 A1
1:1500 A3
VERTICAL

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS SECTIONS SHEET 1 OF 3**

PROJECT No.	DRAWING No.	REVISION
25-0521	0140	A

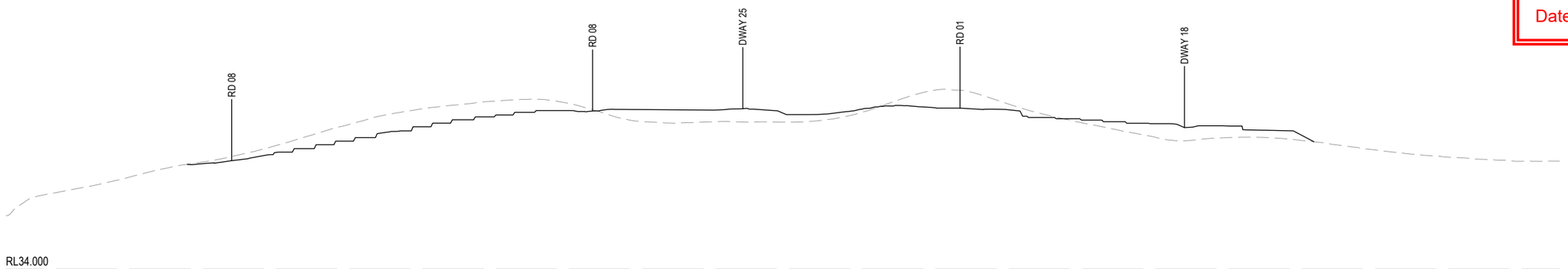
PLOT - 27 Jun 2025 02:01 PM LOCATION - C:\12dS Workspace\data\AUM\ES.SQ\01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-07 [BEW SECTIONS].dwg

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

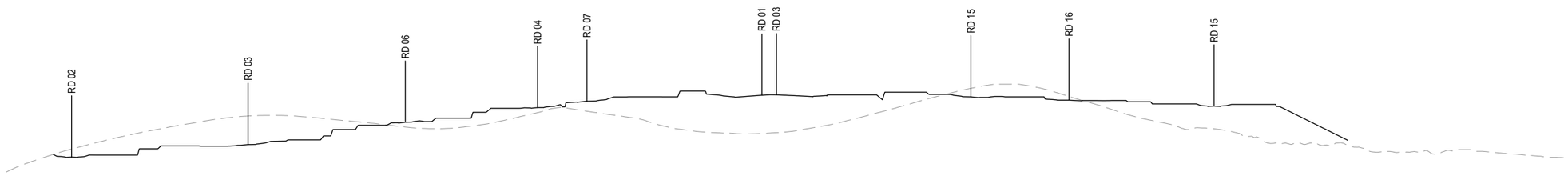
Date: 28 August 2025

Queensland Government



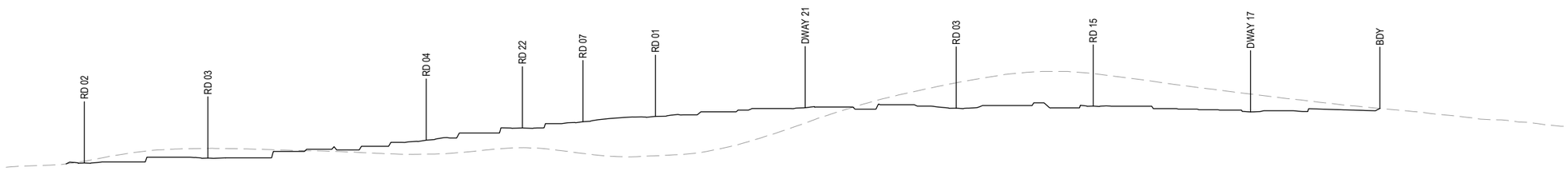
RL34.000

SECTION G 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)



RL40.000

SECTION F 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)



RL40.000

SECTION E 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:1500 30 20 10 0 30 60 A1
1:3000 A3
HORIZONTAL
1:750 15 0 15 30 A1
1:1500 A3
VERTICAL

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS SECTIONS SHEET 2 OF 3**

PROJECT No.	DRAWING No.	REVISION
25-0521	0141	A

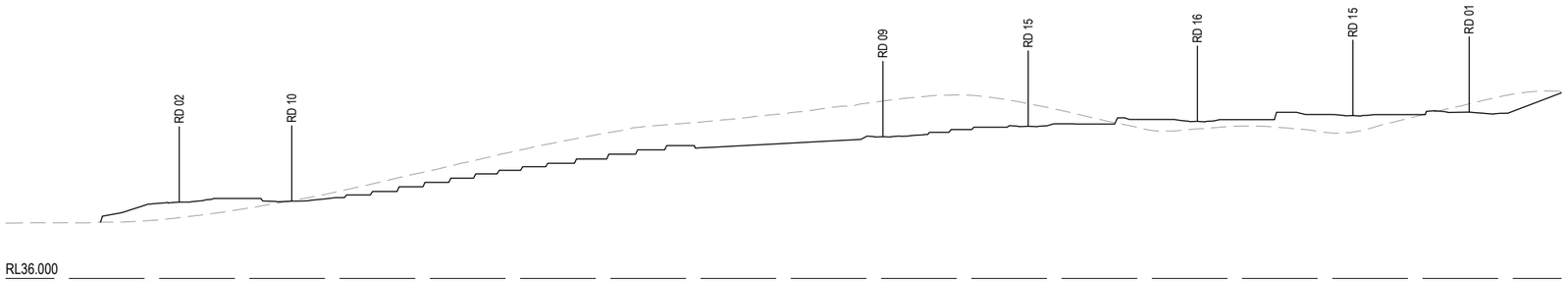
PLOT - 27 Jun 2025 02:01 PM LOCATION - C:\12dS Workspace\data\AUM\ES.SQU\01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-07 [BEW SECTIONS].dwg

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

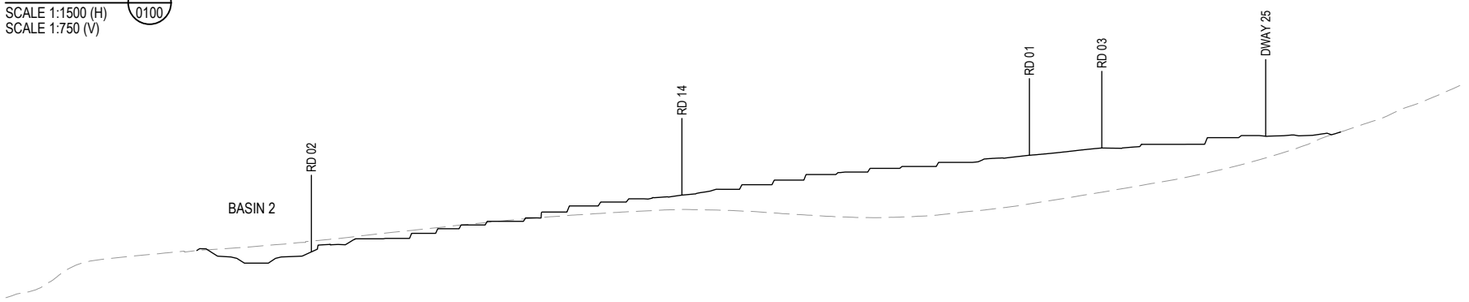
Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

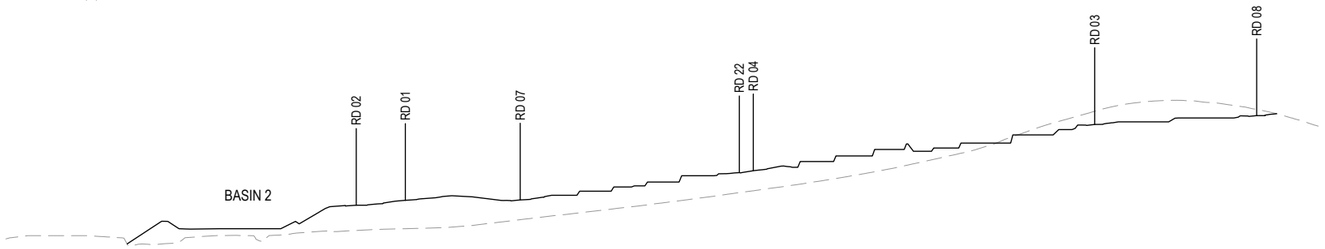


SECTION K 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)



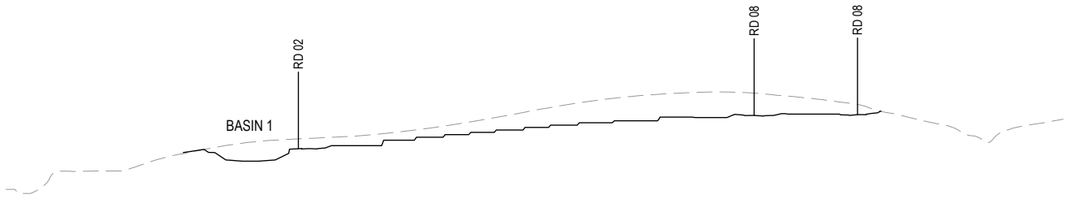
SECTION J 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)

SECTION N 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)

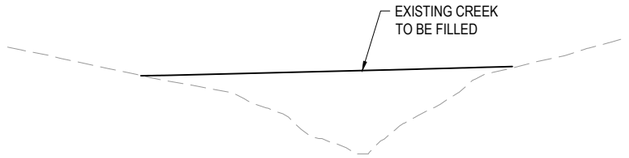


SECTION I 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)

SECTION M 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)



SECTION H 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)



SECTION L 0100
SCALE 1:1500 (H)
SCALE 1:750 (V)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:1500 30 20 10 0 30 60 A1
1:3000 A3
HORIZONTAL
1:750 15 0 15 30 A1
1:1500 A3
VERTICAL

CLIENT: mirvac

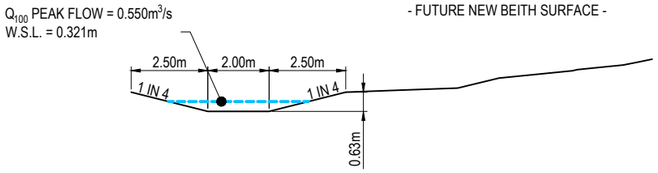
ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

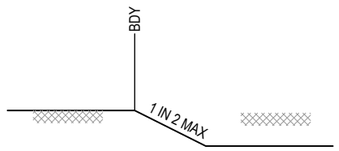
DRAWING TITLE: **BULK EARTHWORKS SECTIONS SHEET 3 OF 3**

PROJECT No.	DRAWING No.	REVISION
25-0521	0142	A

PLOT - 27 Jun 2025 02:01 PM LOCATION - C:\12d\6 Workspace\data\AUMEL\SQL01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-07 [BEW SECTIONS].dwg



TYPICAL SWALE DETAIL
SCALE 1:100 (A1)



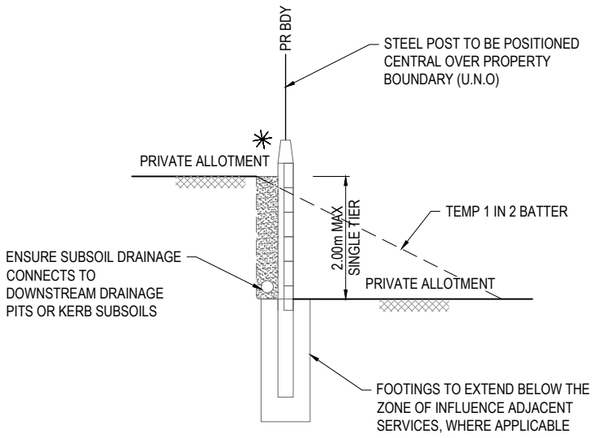
TYPICAL SECTION FOR BATTERS BETWEEN LOTS
SCALE 1:50 (A1)
SCALE 1:100 (A3)

NOTES: ✳

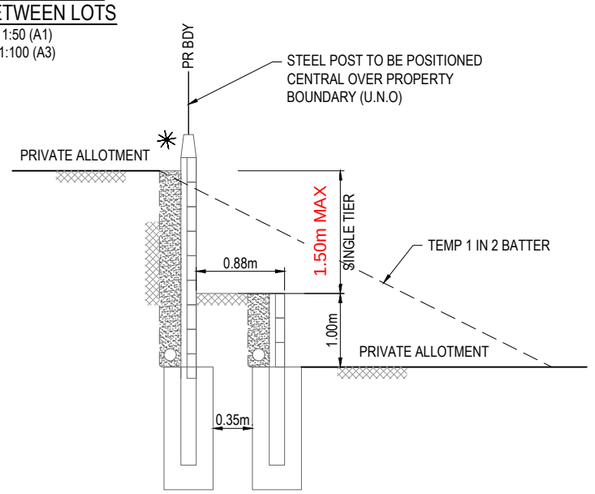
WHERE WALL IS RETAINING PRIVATE ALLOTMENT PROVIDE MIN 100mm ADDITIONAL HEIGHT ABOVE FINISHED PAD LEVEL TO ACCOMMODATE FUTURE BUILDING SLAB AND TOPSOIL LEVELS. REFER TO TYPICAL RETAINING WALL LOT FINISHING DETAIL. THIS SHALL NOT BE APPLIED WHEN THE WALL IS LOCATED ALONG A BOUNDARY WHICH RUNS PARALLEL WITH A REAR-ALLOTMENT TABLE DRAIN.

RETAINING WALL NOTES:

1. ALL RETAINING WALLS ARE TO BE DELIVERED UNDER DESIGN AND CONSTRUCTION ARRANGEMENT - FORMS 15 AND 12 CERTIFICATIONS ARE TO BE PROVIDED BY THE CONTRACTOR.
2. DESIGN OF WALLS TO CONSIDER ALL LOADS (FENCES, DWELLINGS ETC) AS WELL AS ASSOCIATED IMPACTS FROM ANY ADJACENT SERVICES - FOOTING DEPTHS TO BE EXTENDED AS REQUIRED.
3. GEOTECHNICAL CONDITIONS ARE TO BE CONFIRMED AND APPROPRIATELY CONSIDERED FOR ALL WALLS.
4. REFER LANDSCAPE DRAWINGS FOR FURTHER INFORMATION ON RETAINING WALLS, PARTICULARLY RELATING TO FINISHES.
5. TEMPORARY SAFETY FENCING TO BE INSTALLED BEHIND ALL WALLS 1.0m HIGH AND GREATER.

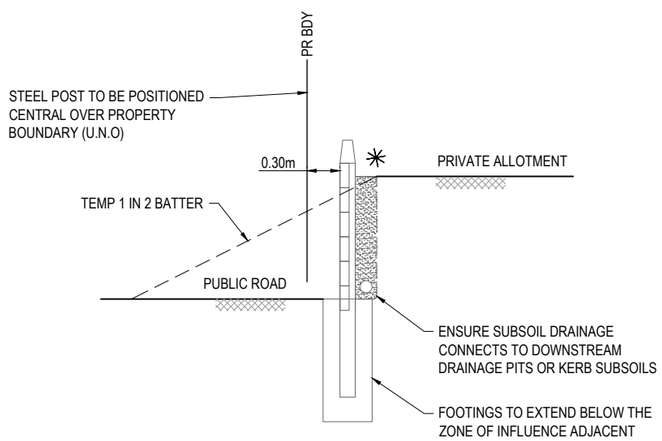


TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT
0.4m-2.0m MAX HIGH
SCALE 1:25 (A1)



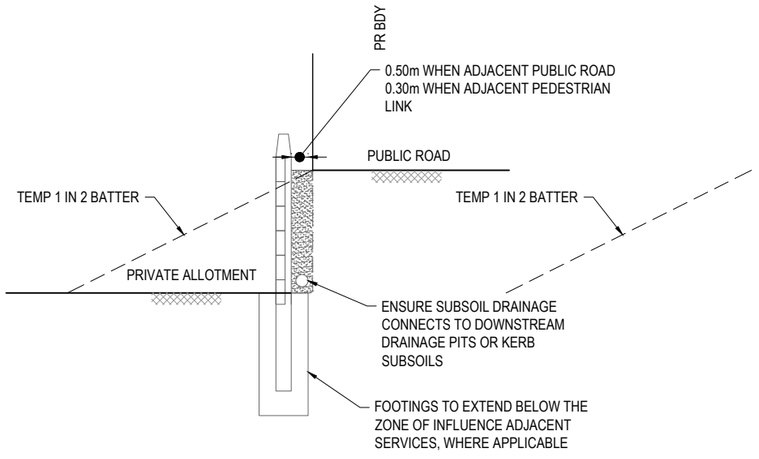
TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT
2.0m-~~3.0m~~ MAX HIGH
SCALE 1:25 (A1)

2.5m

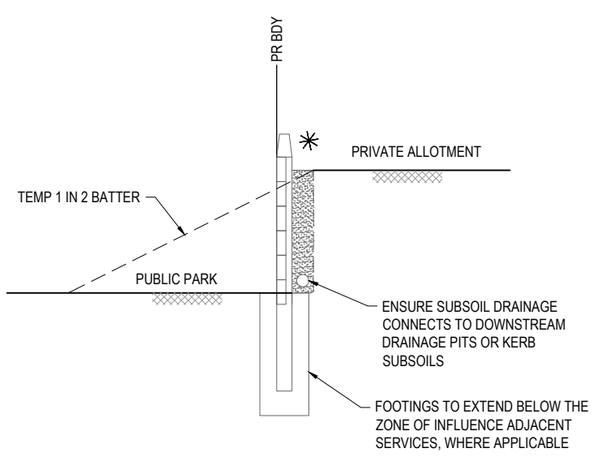


TYPICAL RETAINING WALL DETAIL
ROAD ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER
SCALE 1:25 (A1)

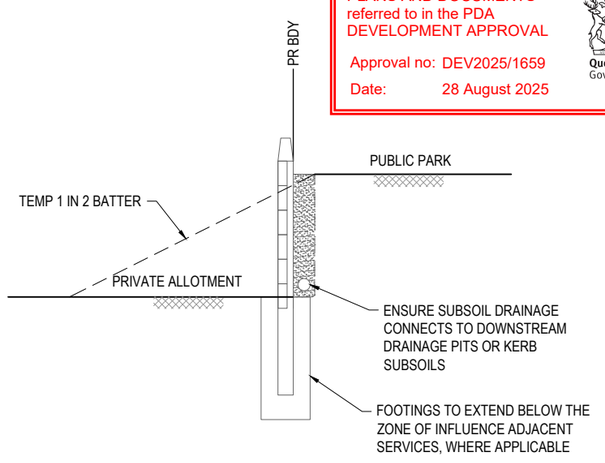
PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1659
Date: 28 August 2025
Queensland Government



TYPICAL RETAINING WALL DETAIL
ROAD ADJACENT TO LOT WHERE ROAD LEVEL IS HIGHER
SCALE 1:25 (A1)



TYPICAL RETAINING WALL DETAIL
PARK ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER
SCALE 1:25 (A1)



TYPICAL RETAINING WALL DETAIL
PARK ADJACENT TO LOT WHERE PARK LEVEL IS HIGHER
SCALE 1:25 (A1)

AMENDED IN RED
By: Tiana Hill
Date: 19 August 2025
Queensland Government

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH
DESIGN: KN
STATUS: **ISSUED FOR APPROVAL**
APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:25 0.25 0 0.25 0.5 0.75 1.0 1.25 A1
1:50 A3
1:50 1 0.5 0 1 2 A1
1:100 A3
1:100 1 0 1 2 3 4 5 A1
1:200 A3

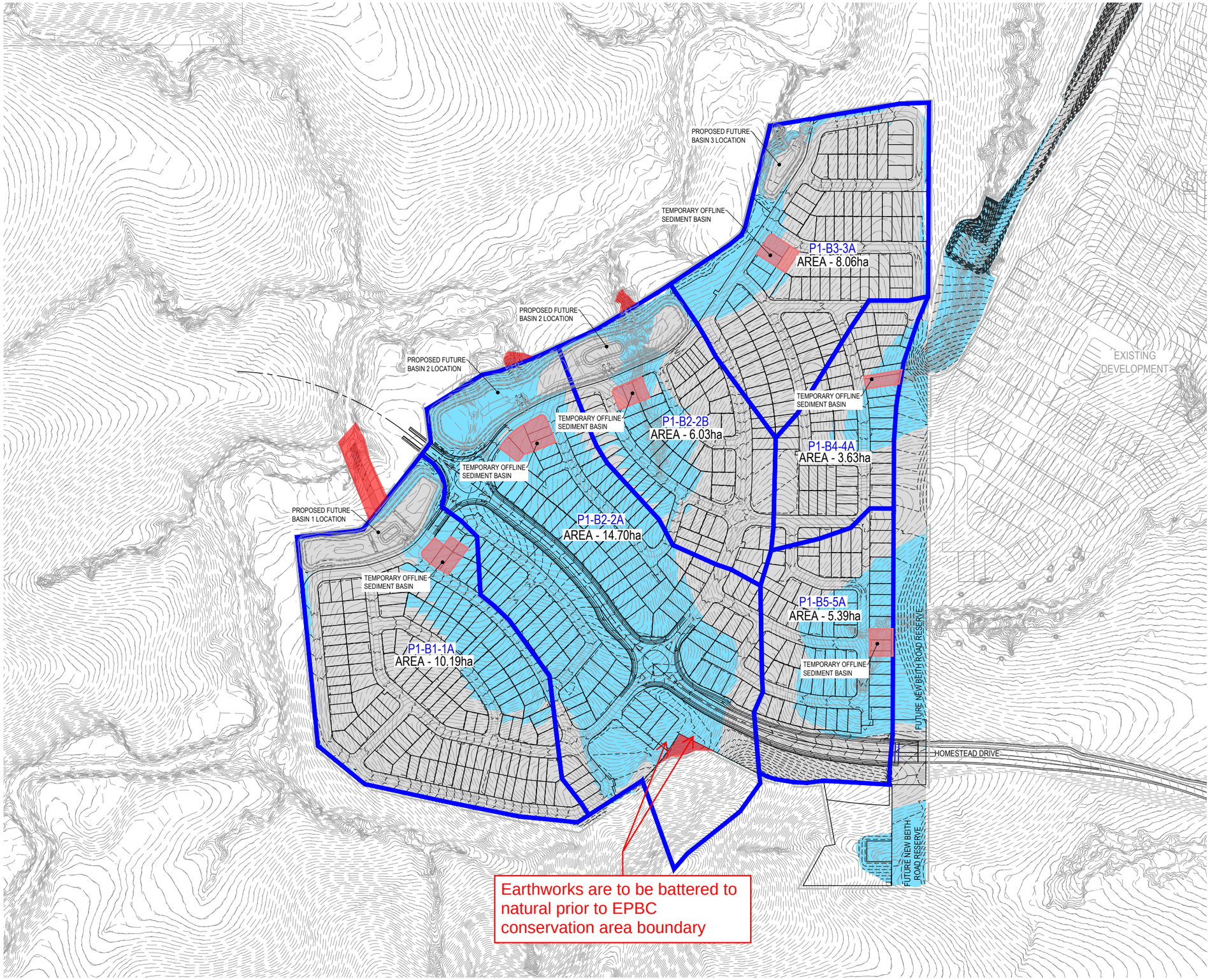
CLIENT: mirvac
ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **BULK EARTHWORKS TYPICAL RETAINING WALL DETAILS**

PROJECT No.	DRAWING No.	REVISION
25-0521	0143	A

PLOT: 27 Jun 2025 02:01 PM - LOCATION - C:\12dS Workspace\data\AUMEL5GU01\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-07 [BEW SECTIONS].dwg



LEGEND

- PROPOSED AREA OF WORKS
- 24.6 — EXISTING SURFACE CONTOUR
- TEMPORARY SEDIMENT BASIN
- SEDIMENT BASIN -PRE DEVELOPMENT CATCHMENTS BOUNDARY
- P1-B4-4A AREA - 1.11ha — SEDIMENT BASIN - CATCHMENT ID

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

Date: 28 August 2025

Queensland Government

All clearing and earthworks within areas highlighted in red are not approved.

AMENDED IN RED

By: Tiana Hill

Date: 19 August 2025

Queensland Government

NOTE:

PHASE 1 - EROSION & SEDIMENT CONTROL WORKS

- ESTABLISH SEDIMENT BASINS P1-B1-1A TO P1-B5-5A AND THE OTHER ASSOCIATED BOUNDARY SEDIMENT AND DRAINAGE CONTROLS PRIOR TO CLEARING THE EXTENT OF WORKS AREA.
- PROGRESSIVELY CLEAR AND STRIP THE EXTENT OF WORKS. EARTHWORKS TO BE UNDERTAKEN PROGRESSIVELY AND COMPACTED IN STAGES TO PREVENT LARGE AREAS OF UNCONSOLIDATED MATERIAL BEING PRESENT ON SITE.
- INTERNAL SEDIMENT CONTROLS (SUCH AS SEDIMENT FENCING, SEDIMENT TRAPS ETC.), DRAINAGE CONTROLS (SUCH AS FLOW CONTROL BERMS, CATCH DRAINS, BATTER CHUTES ETC.), AND VELOCITY CONTROLS (SUCH AS CHECK DAMS, FIBRE ROLLS ETC.) TO BE IMPLEMENTED AS REQUIRED TO LIMIT MAXIMUM LENGTHS OF UNCONTROLLED SLOPES AND CHANNELS, AND DIRECT RUNOFF TO THE NOMINATED SEDIMENT CONTROLS.
- COMPLETED EARTHWORKS SHALL BE PROGRESSIVELY STABILISED WITH EITHER A HYDRAULICALLY APPLIED STABILISER (IF FUTURE SITE DISTURBANCE IS POSSIBLE), OR THE FINAL LANDSCAPE WORKS WHERE SITE ACCESS CAN BE RESTRICTED.

NOTE:

- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:2500 / 1:5000 — 50 0 50 100 — A1 / A3

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

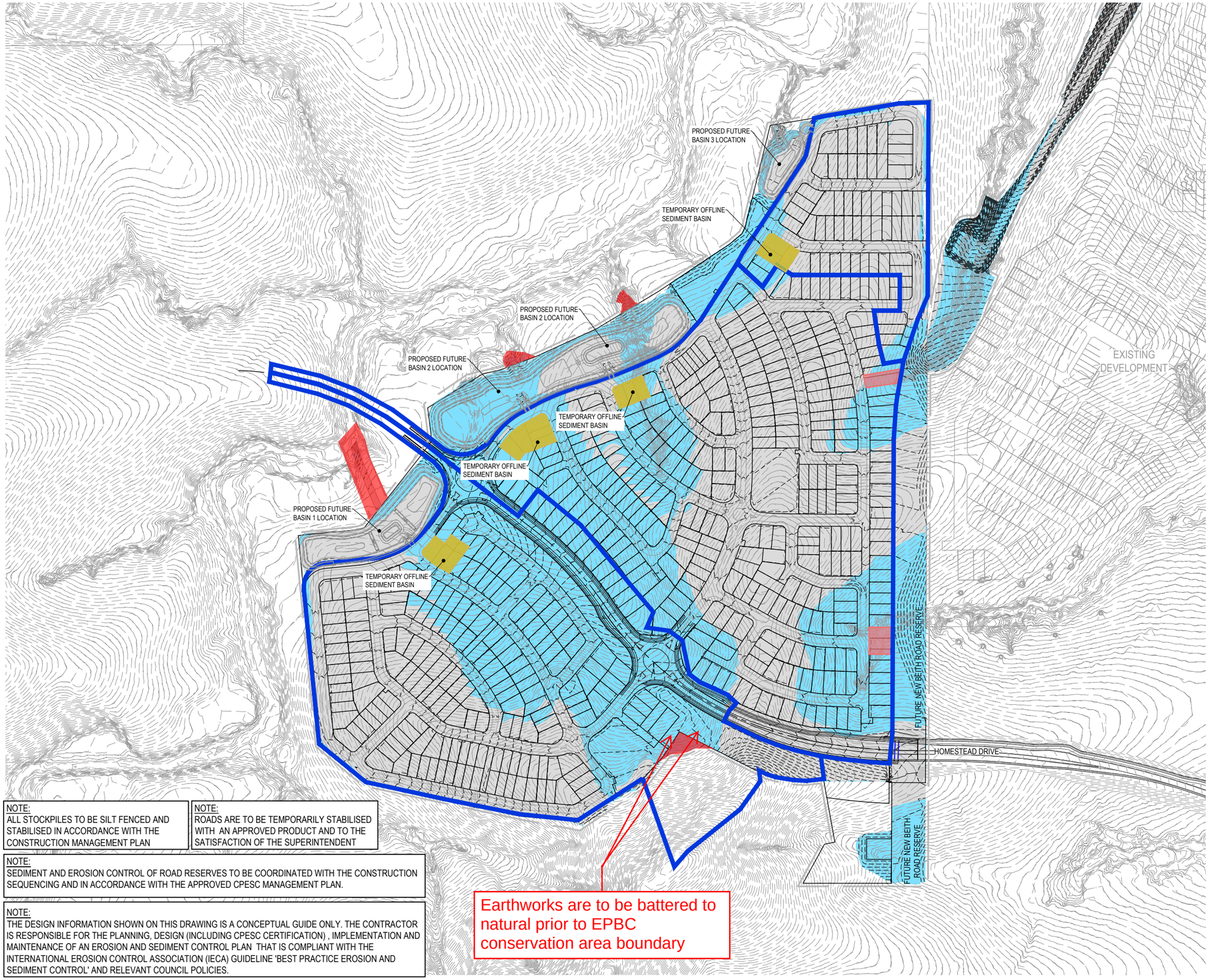
PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**

BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **EROSION & SEDIMENT CONTROL LAYOUT PLAN PHASE 1 - SHEET 1 OF 2**

PROJECT No.	DRAWING No.	REVISION
25-0521	0150	A

PLOT - 27 Jun 2025 02:02 PM LOCATION - C:\12d\ Workspace\data\AUMEL\SQU\0125-0521 Monarch Glen - ROL 4 Bulk Earthworks_5176\Design\Acad\25-0521-08 [ESC].dwg



LEGEND

- PROPOSED AREA OF WORKS
- 11.11 FINISHED SURFACE CONTOUR
- TEMPORARY SEDIMENT BASIN
- SEDIMENT BASIN - DEVELOPED CATCHMENTS BOUNDARY
- P1-B4-4A / AREA - 1.11ha — SEDIMENT BASIN - CATCHMENT ID

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL
Approval no: DEV2025/1659
Date: 28 August 2025
Queensland Government

All clearing and earthworks within areas highlighted in red are not approved.

AMENDED IN RED
By: Tiana Hill
Date: 19 August 2025
Queensland Government

NOTE:
PHASE 2 - EROSION & SEDIMENT CONTROL WORKS
• AS EARTHWORKS PROGRESSES WITHIN CATCHMENTS, SIZING OF THE SEDIMENT CONTROL DEVICES TO BE REVIEWED. AS THE REGARDING OF THESE CATCHMENTS PROGRESSES, SEDIMENT BASINS CAN BE AMENDED / DECOMMISSIONED AND REPLACED.

• INTERNAL SEDIMENT CONTROLS (SUCH AS SEDIMENT FENCING, SEDIMENT TRAPS ETC.), DRAINAGE CONTROLS (SUCH AS FLOW CONTROL BERMS, CATCH DRAINS, BATTER CHUTES ETC.) AND VELOCITY CONTROLS (SUCH AS CHECK DAMS, FIBRE ROLLS ETC.) TO BE IMPLEMENTED AS REQUIRED TO LIMIT MAXIMUM LENGTHS OF UNCONTROLLED SLOPES AND CHANNELS, AND DIRECT RUNOFF TO THE NOMINATED SEDIMENT CONTROLS.

• COMPLETED EARTHWORKS SHALL BE PROGRESSIVELY STABILISED WITH EITHER A HYDRAULICALLY APPLIED STABILISER (IF FUTURE SITE DISTURBANCE IS POSSIBLE), OR THE FINAL CIVIL AND LANDSCAPE WORKS WHERE SITE ACCESS CAN BE RESTRICTED.
• FOLLOWING COMPLETION OF THE EARTHWORKS AND CIVIL WORKS, AND STABILISATION OF CONTRIBUTING CATCHMENTS, DECOMMISSION SEDIMENT BASINS, ROCK FILTER DAMS AND SEDIMENT WEIRS.

• CONTINUE TO MONITOR AND MAINTAIN TEMPORARY STABILISATION / EROSION CONTROL MEASURES AND BOUNDARY SEDIMENT AND DRAINAGE CONTROLS INSTALLED ACROSS THE EXTENT OF WORKS AREAS UNTIL COMPLETION OF THE CIVIL AND LANDSCAPE WORKS AND STABILISATION OF THE REHABILITATED SEDIMENT BASIN, ROCK FILTER DAM AND SEDIMENT WEIR LOCATIONS.

NOTE:
ALL STOCKPILES TO BE SILT FENCED AND STABILISED IN ACCORDANCE WITH THE CONSTRUCTION MANAGEMENT PLAN

NOTE:
ROADS ARE TO BE TEMPORARILY STABILISED WITH AN APPROVED PRODUCT AND TO THE SATISFACTION OF THE SUPERINTENDENT

NOTE:
SEDIMENT AND EROSION CONTROL OF ROAD RESERVES TO BE COORDINATED WITH THE CONSTRUCTION SEQUENCING AND IN ACCORDANCE WITH THE APPROVED CPESC MANAGEMENT PLAN.

NOTE:
THE DESIGN INFORMATION SHOWN ON THIS DRAWING IS A CONCEPTUAL GUIDE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PLANNING, DESIGN (INCLUDING CPESC CERTIFICATION) , IMPLEMENTATION AND MAINTENANCE OF AN EROSION AND SEDIMENT CONTROL PLAN THAT IS COMPLIANT WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) GUIDELINE 'BEST PRACTICE EROSION AND SEDIMENT CONTROL' AND RELEVANT COUNCIL POLICIES.

Earthworks are to be battered to natural prior to EPBC conservation area boundary

NOTE:
- SHG DRAWING REFERENCE - 11731 P 27 REV I (DATED 03.04.25).
- DESIGN BASED ON MGA 2020 COORDINATE SYSTEM.

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH
DESIGN: KN
STATUS: ISSUED FOR APPROVAL
APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25
FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:2500 / 1:5000 — 50 0 50 100 — A1 / A3

CLIENT: mirvac
ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: MONARCH GLEN No. 1 PTY LTD
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: EROSION & SEDIMENT CONTROL LAYOUT PLAN PHASE 2 - SHEET 2 OF 2

PROJECT No.	DRAWING No.	REVISION
25-0521	0151	A

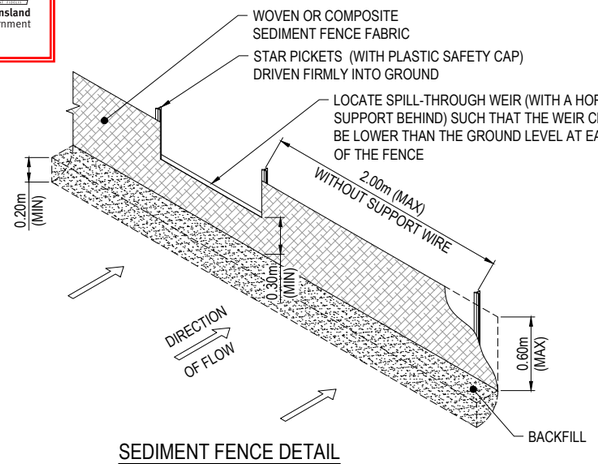
PLOT - 27 Jun 2025 02:02 PM LOCATION - C:\1Jobs\Workspace\data\MJMEL\SQU\11\25-0521 Monarch Glen - ROL 4 Bulk Earthworks_51760\design\Acad\25-0521-08 [ESC].dwg

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2025/1659

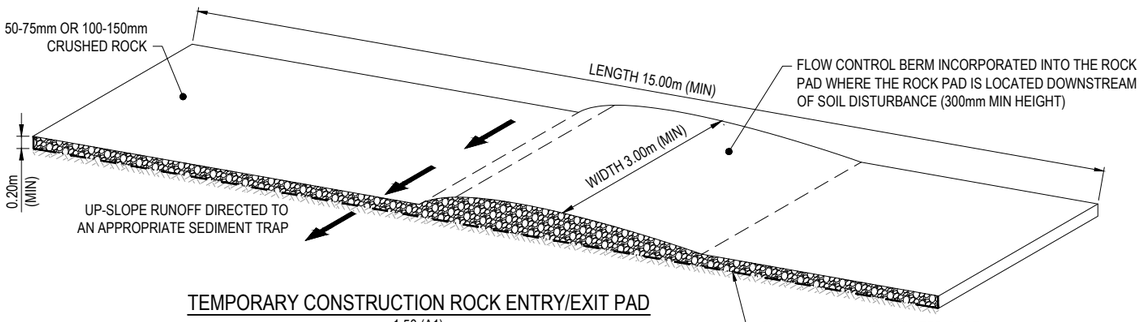
Date: 28 August 2025

Queensland Government



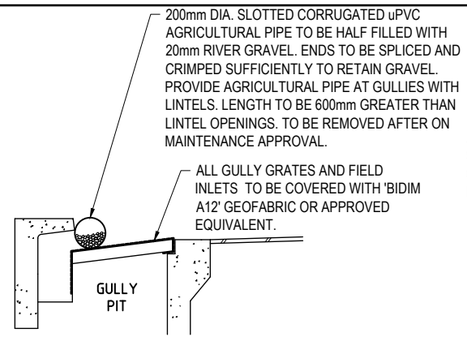
SEDIMENT FENCE DETAIL

1:25 (A1)
1:50 (A3)

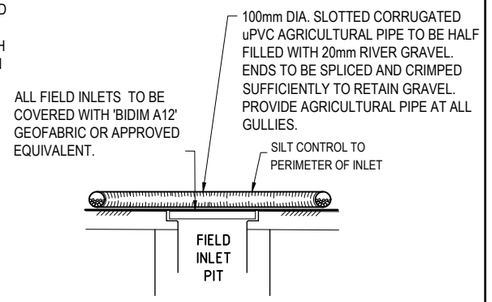


TEMPORARY CONSTRUCTION ROCK ENTRY/EXIT PAD

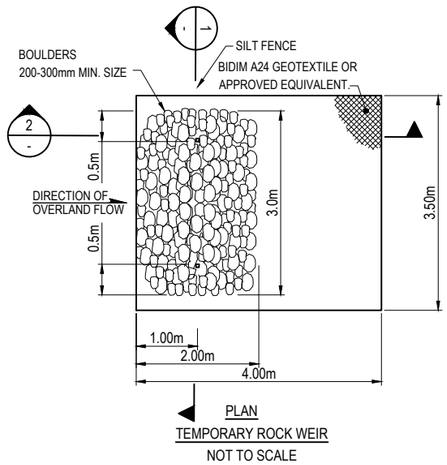
1:50 (A1)
1:100 (A3)



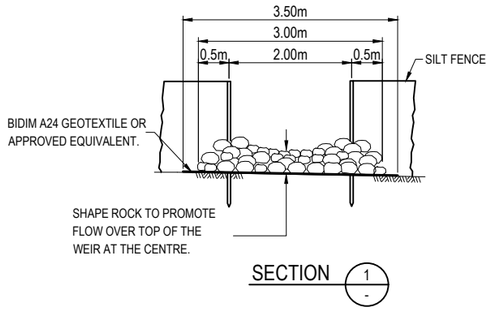
TREATMENT AT GULLIES
NOT TO SCALE



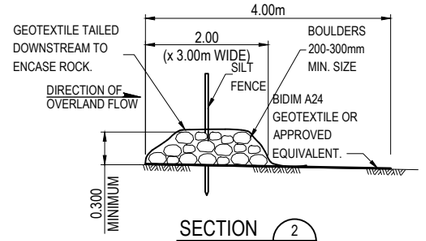
TREATMENT AT FIELD INLETS
NOT TO SCALE



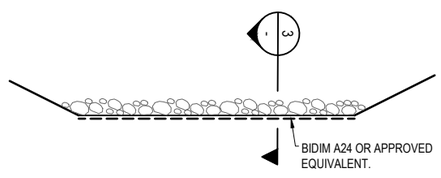
PLAN
TEMPORARY ROCK WEIR
NOT TO SCALE



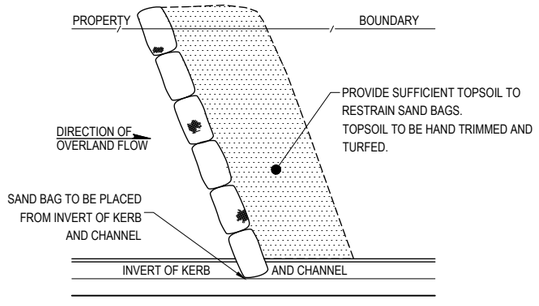
SECTION 1 -



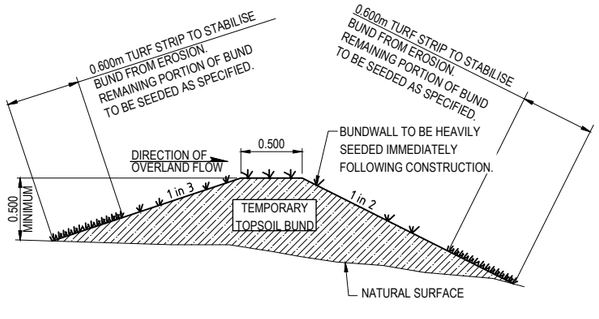
SECTION 2 -



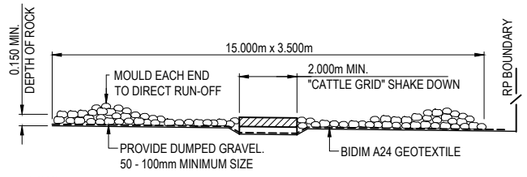
ROCK CHECK DAM
NOT TO SCALE



FOOTPATH BUND
NOT TO SCALE

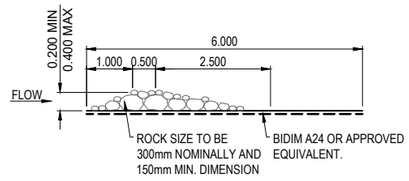


TEMPORARY EARTH BUND WALL
NOT TO SCALE



NOTE:
- TOP UP WITH ADDITIONAL AGGREGATE SHOULD THE FACILITY BECOME CHOKED WITH SILT.
- THE DESIGNATED SHAKE DOWN FACILITY TO BE SITUATED AT THE NEAREST PRACTICAL LOCATION ON EXIT OF THE CONSTRUCTION ROAD FROM THE SITE ON TO EXISTING ROADWAYS.
- CONSTRUCTION VEHICLES SHALL BE WASHED DOWN ON EXIT TO RESTRICT TRACKING OF SEDIMENT FROM THE SITE DURING PERIODS WHEN THE SITE IS WET. THIS IS NOT NECESSARY WHEN THE SITE CONDITIONS ARE DRY.
- SHOULD MATERIAL SEDIMENTATION OCCUR ON PUBLIC ROADS THEN THE ROAD SHALL BE CLEANED IMMEDIATELY.

TRUCK SHAKE DOWN FACILITY DETAIL
NOT TO SCALE



SECTION 3 -
NOT TO SCALE

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	27.06.25	KN	DH	ORIGINAL ISSUE

DRAWN: DH

DESIGN: KN

STATUS: **ISSUED FOR APPROVAL**

APPROVED: NICHOLAS GILL RPEQ 28597 DATE: 27.06.25

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: AS SHOWN

CLIENT: mirvac

ASSOCIATED CONSULTANT: ENGENY, saunders havill group

PROJECT NAME: **MONARCH GLEN No. 1 PTY LTD**
BULK EARTHWORKS
PRECINCT 101 AND 102
HOMESTEAD DRIVE
MONARCH GLEN

DRAWING TITLE: **TYPICAL DETAILS FOR EROSION AND SEDIMENT CONTROL**

PROJECT No.	DRAWING No.	REVISION
25-0521	0152	A

PLOT - 27 Jun 2025 02:02 PM LOCATION - C:\12dS Workspace\data\AUMEL50\0125-0521 Monarch Glen - ROL 4 Bulk Earthworks_51760\design\Acad\25-0521-08 [ESC].dwg