EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC QLD PTY LTD

SHEET LIST TABLE	
SHEET NO.	SHEET TITLE
C001	COVER SHEET
C002	SURVEY SETOUT PLAN
C003	OVERALL SERVICES LAYOUT
C004	SAFETY IN DESIGN
C100	ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 1
C101	ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 2
C200	BULK EARTHWORKS LAYOUT PLAN - SHEET 1
C201	BULK EARTHWORKS LAYOUT PLAN - SHEET 2
C210	BULK EARTHWORKS NOTES AND DETAILS - SHEET 1
C211	BULK EARTHWORKS NOTES AND DETAILS - SHEET 2
C220	EARTHWORKS SUBGRADE ROCK PREPARATION DETAILS
C230	RETAINING WALL SUBSOIL DRAINAGE PLAN - SHEET 1
C231	RETAINING WALL SUBSOIL DRAINAGE PLAN - SHEET 2
C300	ROADWORKS NOTES AND DETAILS
C310	ROAD 115 LONG AND CROSS SECTIONS
C311	ROAD 117 LONG AND CROSS SECTIONS
C312	ROAD 119 LONG AND CROSS SECTIONS
C313	ROAD 120 LONG AND CROSS SECTIONS
C314	ROAD 121 LONG AND CROSS SECTIONS
C315	ROAD 122 LONG SECTION
C316	ROAD 122 CROSS SECTIONS - SHEET 1
C317	ROAD 122 CROSS SECTIONS - SHEET 2
C318	ROAD 122 CROSS SECTIONS - SHEET 3
C319	DRIVEWAY 10 LONG SECTION AND CROSS SECTIONS
C320	INTERSECTION DETAILS LAYOUT - SHEET 1
C321	INTERSECTION DETAILS LAYOUT - SHEET 2
C330	PAVEMENT MARKINGS AND SIGNAGE LAYOUT PLAN - SHEET 1
C331	PAVEMENT MARKINGS AND SIGNAGE LAYOUT PLAN - SHEET 2
C400	STORMWATER CATCHMENT LAYOUT PLAN
C410	STORMWATER DRAINAGE LONG SECTIONS - SHEET 1
C411	STORMWATER DRAINAGE LONG SECTIONS - SHEET 2
C412	STORMWATER DRAINAGE LONG SECTIONS - SHEET 3
C420	STORMWATER DRAINAGE NOTES AND DETAILS
C430	STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 1
C431	STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 2
C440	STORMWATER CALCULATIONS 39% AEP STORM - SHEET 1
C441	STORMWATER CALCULATIONS 39% AEP STORM - SHEET 2
C442	STORMWATER CALCULATIONS 1% AEP STORM - SHEET 1
C443	STORMWATER CALCULATIONS 1% AEP STORM - SHEET 2
C500	SEWERAGE LOCALITY PLAN & NOTES
C510	SEWERAGE LAYOUT PLAN - SHEET 1
C511	SEWERAGE LAYOUT PLAN - SHEET 2
C520	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 1
C521	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 2
C522	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 3
C523	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 4
C524	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 5
C530	SEWERAGE NOTES AND DETAILS
C600	WATER RETICULATION LOCALITY PLAN & NOTES
C610	WATER RETICULATION LAYOUT PLAN - SHEET 1
C611	WATER RETICULATION LAYOUT PLAN- SHEET 2
C620	WATER LIVE CONNECTION AND TYPICAL DETAILS
C700	OVERALL EROSION & SEDIMENT CONTROL KEY PLAN
C701	EROSION AND SEDIMENT CONTROL - BULK EARTHWORKS PHASE
C702	EROSION AND SEDIMENT CONTROL - STABILISATION PHASE
C710	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
C900	TEMPORARY WORKS - ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 1
C901	TEMPORARY WORKS - ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 2

GENERAL NOTES

1. ALL DIMENSIONS GIVEN ON THESE DRAWINGS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL NEW WORK AND MATERIALS SHALL COMPLY WITH CURRENT RELEVANT COUNCIL STANDARDS AND SPECIFICATIONS.
3. ALL WORK SHALL BE JOINED NEATLY TO EXISTING CONSTRUCTION.
4. THE CONTRACTOR IS TO LOCATE, IDENTIFY AND ESTABLISH THE CONNECTIVITY OF ALL EXISTING SERVICES WITHIN THE LIMITS OF PROPOSED WORKS AND CONFIRM THIS INFORMATION WITH THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MEASURING DEVICES, SAFETY EQUIPMENT AND MACHINERY REQUIRED TO CARRY OUT INSPECTIONS/MEETINGS AS SPECIFIED OR REQUESTED BY THE ENGINEER.
6. CONSTRUCTION CERTIFICATION REQUIREMENTS SUCH AS PAVEMENT PROOF ROLLS ETC. ARE TO BE AS PER THE LOGAN CITY COUNCIL SPECIFICATION.
7. THESE NOTES SHALL APPLY TO ALL PORTIONS OF WORK.
8. THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS. ANY POINT OF CONFLICT WILL BE RESOLVED BY THE SUPERINTENDENT.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CONSTRUCTION MANAGEMENT PLAN FOR THE SITE TO BE ACCEPTED BY EDQ. THIS PLAN IS TO INCLUDE ALL ITEMS AS LISTED IN THE DECISION NOTICE AS A MINIMUM.

NOISE

1. ALL PLANT AND EQUIPMENT SHALL BE CONTROLLED TO MINIMISE NOISE EMISSION IN ACCORDANCE WITH AS2436 (GUIDE TO NOISE CONTROL ON CONSTRUCTION, MAINTENANCE AND DEMOLITION). THE SITE WORKING HOURS SHOULD BE IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS. WHERE NOT SPECIFIED THE HOURS SHALL BE:

MONDAY - SATURDAY 7:00am to 6:00pm
SUNDAY OR PUBLIC HOLIDAY NO WORK PERMITTED

PRE-CONSTRUCTION & APPROVALS

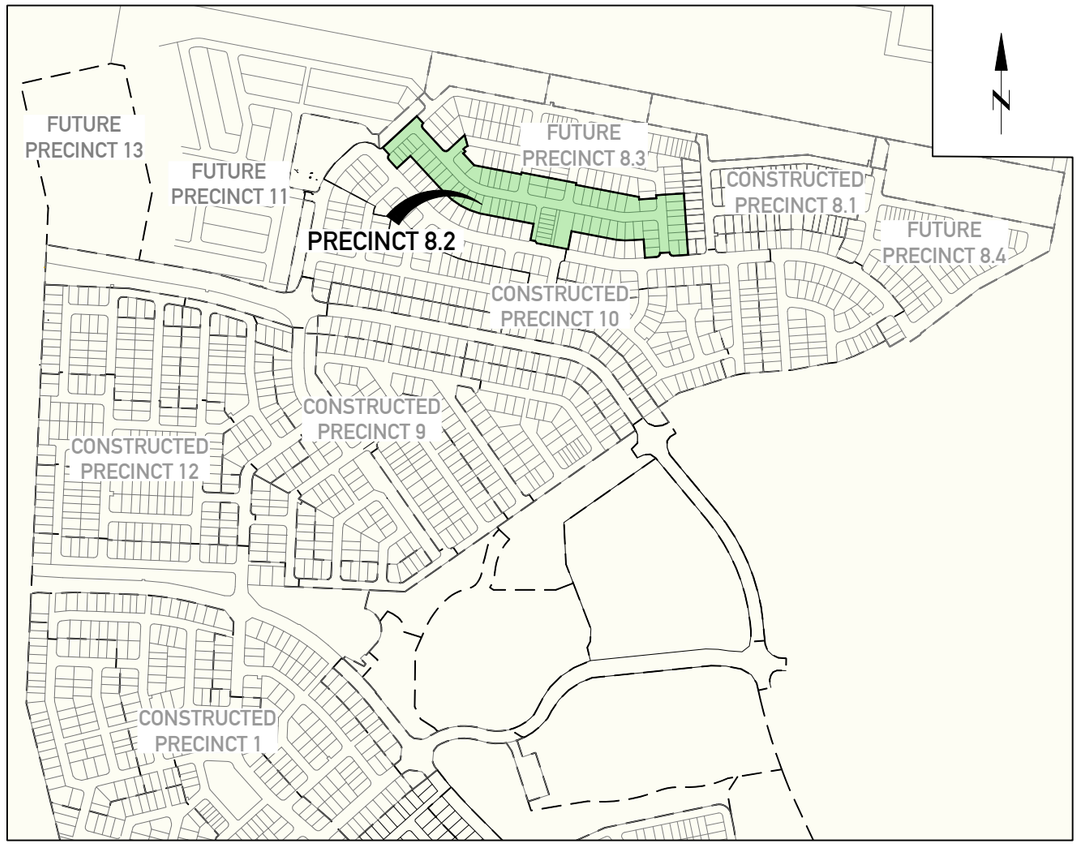
1. NO LOCATING/ POTHOLING OF EXISTING SERVICES HAS BEEN CARRIED OUT. THE CONTRACTOR IS TO DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING SERVICES WHICH AFFECT THE WORKS AND REPORT ANY POTENTIAL CLASHES TO THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORKS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING WITH THE APPROPRIATE AUTHORITY FOR LOCATING EXISTING SERVICES AND FOR ANY MODIFICATIONS TO EXISTING SERVICES REQUIRED AS A RESULT OF THE WORKS.
3. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING SERVICES FROM DAMAGE.
4. ANY WORKS DAMAGED AS A RESULT OF CONSTRUCTION ARE TO BE REINSTATED TO RELEVANT AUTHORITY'S REQUIREMENTS AT THE CONTRACTORS COST.
5. FINISHED SURFACE LEVELS ARE TO BE GRADED UNIFORMLY BETWEEN LEVELS INDICATED ON THE DRAWINGS.

WORKPLACE HEALTH & SAFETY

1. THE CONTRACTOR SHALL BE THE PRINCIPAL CONTRACTOR AS DESIGNATED BY THE WORK HEALTH AND SAFETY ACT (2011).
2. THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A WORKPLACE HEALTH AND SAFETY PLAN AS REQUIRED BY THE WORK HEALTH AND SAFETY ACT (2011).

SETOUT NOTES

1. CO-ORDINATE SETOUT PROVIDED ON THESE DRAWINGS IS BASED ON A CO-ORDINATE BASE PROVIDED ON THE DETAIL SURVEY DRAWING 7598 S 02 DTH, PREPARED BY SAUNDERS HAVILL GROUP. REFERENCE MARKS AND CORRESPONDING CO-ORDINATES ARE PROVIDED ON DRAWING C002.
2. THE LEVEL DATUM FOR WORKS IS A.H.D (AUSTRALIAN HEIGHT DATUM).



LOCALITY PLAN
Scale 1:5000

Premise

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

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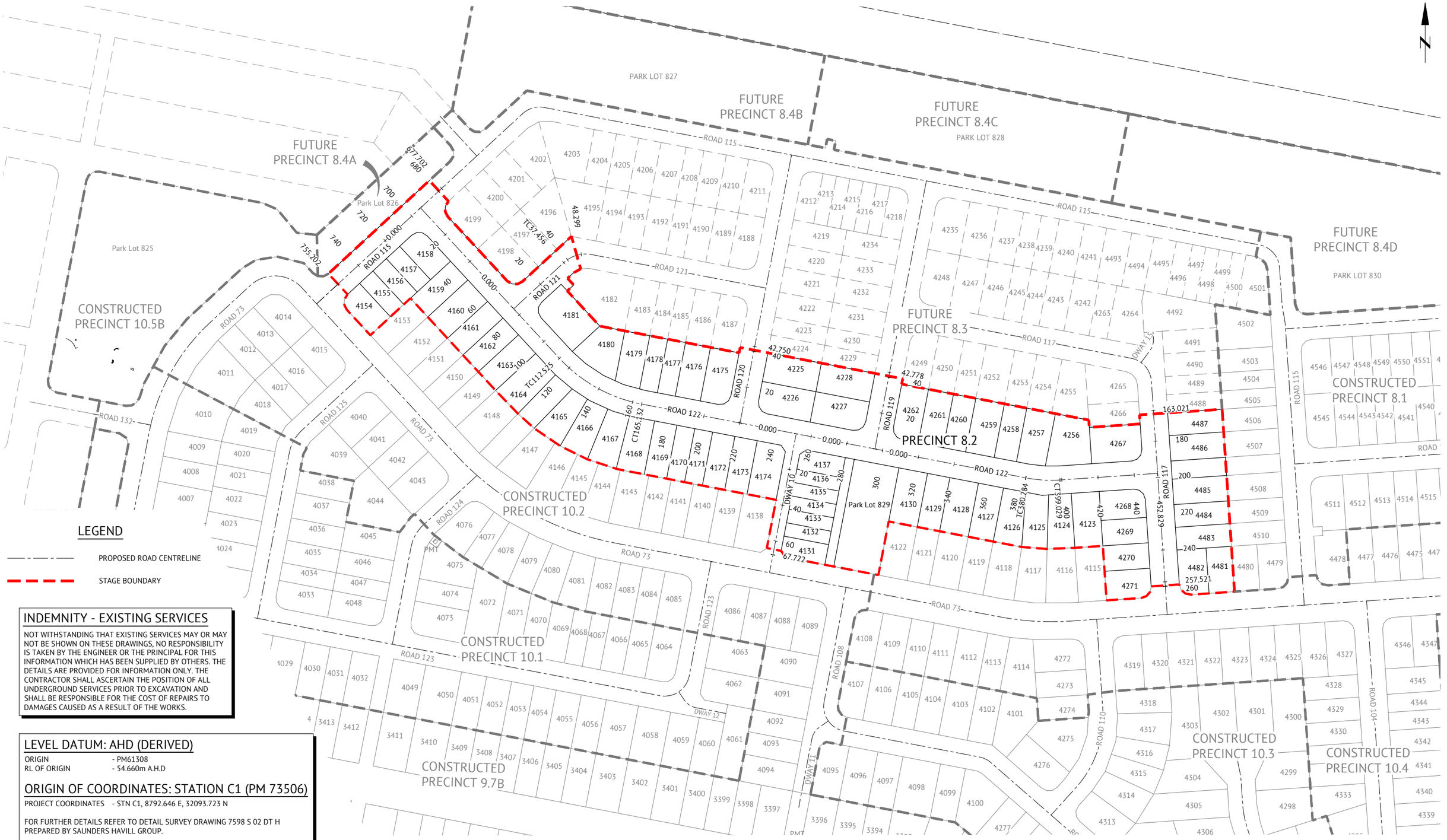
DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 100 200 300m
SCALE 1:5000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE COVER SHEET

JOB CODE MIR-0802
SHEET NUMBER C001
REV B



LEGEND

PROPOSED ROAD CENTRELINE

STAGE BOUNDARY

INDEMNITY - EXISTING SERVICES

NOT WITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

LEVEL DATUM: AHD (DERIVED)

ORIGIN - PM61308
RL OF ORIGIN - 54.660m A.H.D

ORIGIN OF COORDINATES: STATION C1 (PM 73506)

PROJECT COORDINATES - STN C1, 8792.646 E, 32093.723 N

FOR FURTHER DETAILS REFER TO DETAIL SURVEY DRAWING 7598 S 02 DT H PREPARED BY SAUNDERS HAVILL GROUP.

SITE AREA

39.906m²

REAL PROPERTY DESCRIPTION

LOT 2 on SP297192

LAYOUT PLAN

SCALE 1:1000

FOR CONSTRUCTION

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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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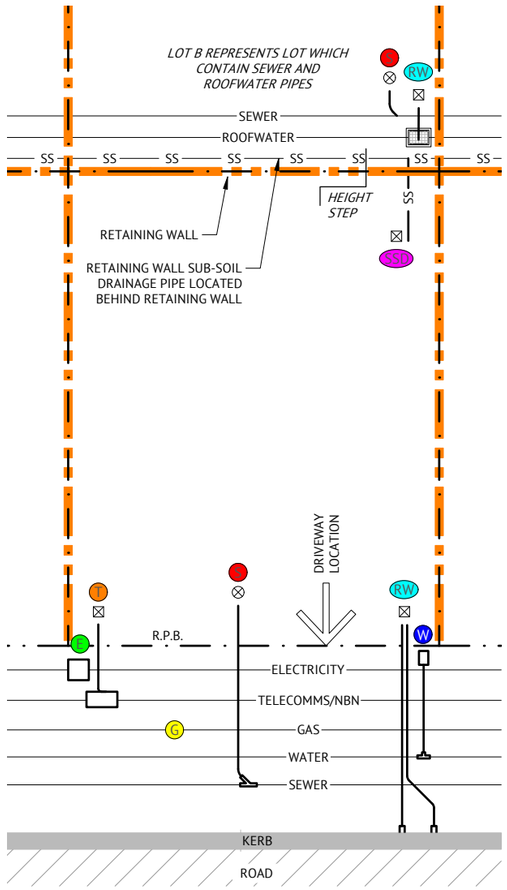
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 20 40 60m
SCALE 1:1000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SURVEY SETOUT PLAN

JOB CODE MIR-0802
SHEET NUMBER C002
REV B



TYPICAL PROPERTY SERVICES CONNECTIONS DETAIL

NTS

LEGEND - PROPERTY SERVICE CONNECTIONS

WATER - POLY SERVICE FROM WATER MAIN, METER BOX & COVER INSTALLED. BUILDER TO MAKE APPLICATION TO LOGAN CITY COUNCIL FOR METER ASSEMBLY SUPPLY AND INSTALLATION. WHERE WATER METER IS LOCATED BEHIND RETAINING WALL, 25mm POLYPIPE WILL BE SUPPLIED UNDER WALL INTO LOT AND WILL BE MARKED WITH 900X50X25 HW STAKE LABELLED "WATER".

SEWER - CAPPED Ø100 PVC PIPE (BURIED MAX 1.5m). MARKED WITH 40Ø ORANGE PVC CONDUIT SECURELY TAPED TO H.W. STAKE AT SURFACE (BURIED TO CAPPED PIPE). CONDUIT LABELLED "SEWER."

ROOFWATER - CONNECTION LOCATION CAN BE EITHER FRONT OF LOT VIA KERB ADAPTOR OUTLET TO ROAD, OR REAR OF LOT INTO ROOFWATER DRAINAGE PIPE VIA PIT. CAPPED PVC Ø100 PIPES (BURIED MAX 1.5m) MARKED WITH 900x50x25 HW STAKE LABELLED "ROOFWATER."

RETAINING WALL SUB-SOIL DRAINAGE - OUTLET POINT TO LOT FOR RETAINING WALL SUB-SOIL DRAINAGE TO BE CONNECTED TO YARD DRAINAGE BY BUILDER. Ø100 NON-SLOTTED AGG PIPE CAPPED AND TERMINATED 200m ABOVE SURFACE. PVC DUCT TAPED TO 900x50x25 HW STAKE LABELLED "RETAINING WALL SUBSOIL OUTLET".

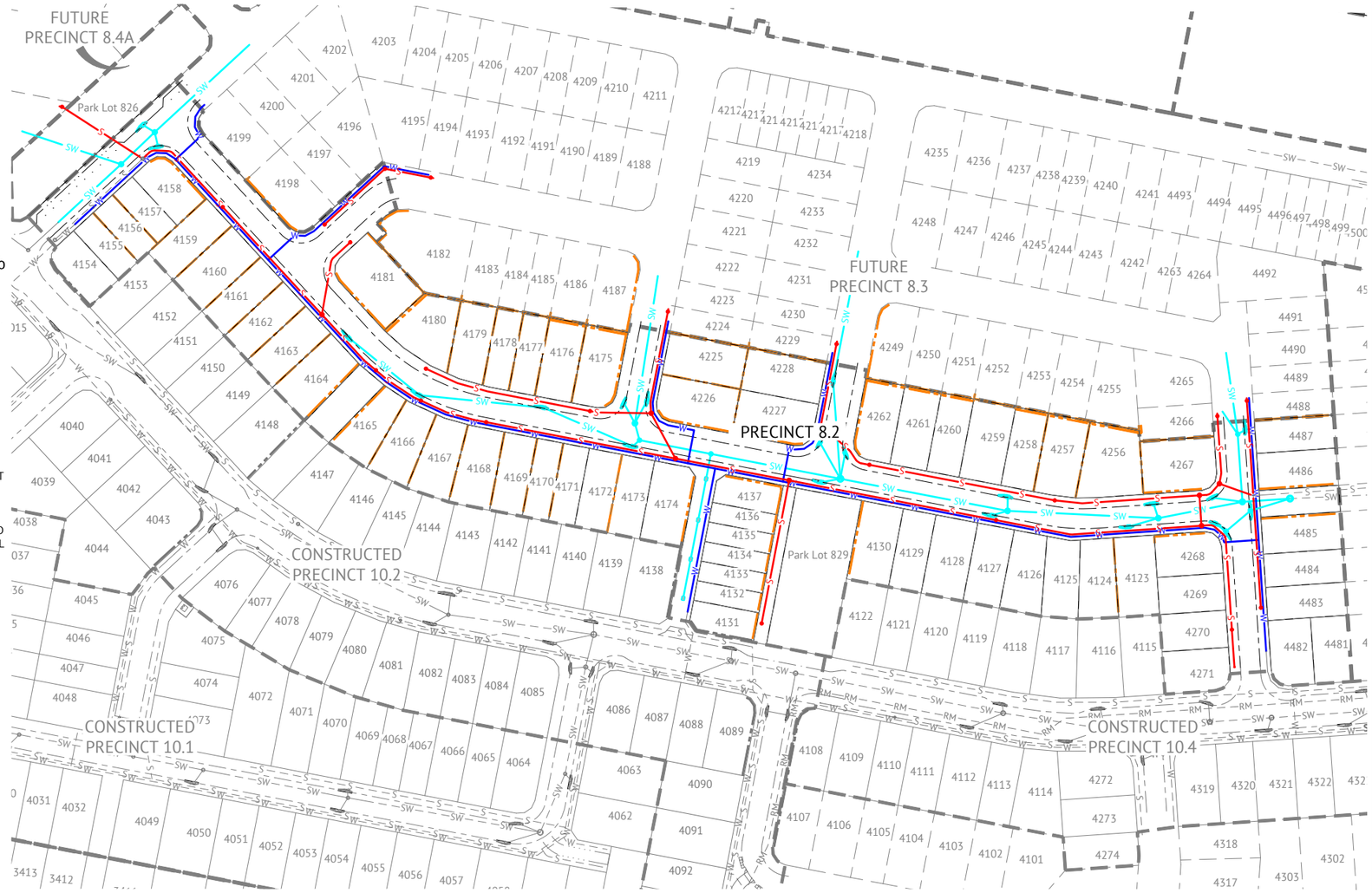
TELECOMMUNICATIONS/NBN - PVC CONDUIT (BURIED APPROX 300mm). MARKED WITH 900x50x25 HW STAKE LABELLED "TELECOMMS".

ELECTRICITY - ELECTRICITY PILLAR EXISTS IN ROAD VERGE. BUILDER TO MAKE APPLICATION WITH ENERGY PROVIDER FOR SERVICE INSTALLATION TO LOT. WHERE ELECTRICITY PILLAR IS LOCATED BEHIND RETAINING WALL, CONDUIT WILL BE SUPPLIED UNDER WALL INTO LOT AND WILL BE MARKED WITH 900x50x25 HW STAKE LABELLED "ELECTRICITY".

GAS - GAS MAIN EXISTS IN ROAD VERGE. BUILDER/HOME OWNER TO MAKE APPLICATION TO GAS PROVIDER FOR SERVICE INSTALLATION TO LOT.

RETAINING WALL

SERVICE TERMINATION POINT MARKER. 900x50x25 HW STAKE, OR 40Ø ORANGE PVC CONDUIT STAKE



LAYOUT PLAN

SCALE 1:1000

LEGEND - PROPOSED

SW	STORMWATER
W	WATER
S	GRAVITY SEWER

LEGEND - CONSTRUCTED

SW	STORMWATER
S	GRAVITY SEWER
W	WATER
RM	SEWER RISING MAIN

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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SCALE: 0 20 40 60m
SCALE 1:1000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: OVERALL SERVICES LAYOUT

JOB CODE: MIR-0802
SHEET NUMBER: C003
REV: B

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 - CATASTROPHIC	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 - INSIGNIFICANT	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

		1 - INSIGNIFICANT	2 - MINOR	3 - MODERATE	4 - MAJOR	5 - CATASTROPHIC
LIKELIHOOD	A - ALMOST CERTAIN	MODERATE	HIGH	EXTREME	EXTREME	EXTREME
	B - LIKELY	MODERATE	HIGH	HIGH	EXTREME	EXTREME
	C - POSSIBLE	LOW	MODERATE	HIGH	EXTREME	EXTREME
	D - UNLIKELY	LOW	LOW	MODERATE	HIGH	EXTREME
	E - RARE	LOW	LOW	MODERATE	HIGH	HIGH

RISK EVALUATION TABLE

RISK LEVEL	ACTION REQUIRED
EXTREME	UNACCEPTABLE RISK. RE-DESIGN REQUIRED. DO NOT PROCEED WITHOUT ADDITIONAL CONTROLS.
HIGH	UNACCEPTABLE RISK. ADDITIONAL CONTROLS NEEDED. CONSIDER FURTHER REVIEW AND CONSIDER RE-DESIGN
MODERATE	RISK MAY BE ACCEPTABLE. MANAGEMENT TO DETERMINE ACTIONS REQUIRED
LOW	ACCEPTABLE. MANAGE RISK THROUGH ROUTINE PROCEDURES AND OTHER ADMINISTRATIVE CONTROLS

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 EVEN T 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	URBAN LAYOUT HAZARD	THE URBAN LAYOUT IS DESIGNED AROUND A PARTICULAR HAZARD :- - INTERSECTION IS UNCLEAR WHICH ROAD HAS PRIORITY	HIGH	THE HAZARD HAS BEEN REDUCED/ELIMINATED BY:- - LINE MARKED INTERSECTION TO ENSURE IT IS CLEAR WHICH ROAD HAS PRIORITY - DESIGN VEHICLE SWEPT PATH CHECKED FOR COMPLIANCE	LOW
D2	EXISTING UNDERGROUND / OVERHEAD SERVICES HAZARD	EXISTING UNDERGROUND AND/OR OVERHEAD SERVICES HAZARD EXIST ON SITE AND NEEDS TO BE REMOVED AND RELOCATED.	HIGH	THE DESIGN OF THE PROJECT HAS INCORPORATED THE RELOCATION OF THESE EXISTING SERVICES AND THE CONTRACTOR IS TO BE MADE AWARE OF THESE EXISTING SERVICES AND TAKE ALL ACTIONS NECESSARY TO MITIGATE THIS HAZARD DURING CONSTRUCTION.	MEDIUM
D3	DEEP EXCAVATION HAZARD	DEEP EXCAVATION IS REQUIRED TO INSTALL SEWER TO SERVICE STRUCTURE.	HIGH	THE DEEP EXCAVATION HAZARD CANNOT BE AVOIDED AND THE CONTRACTOR WILL NEED TO TAKE ALL ACTIONS NECESSARY TO ADDRESS THIS HAZARD DURING CONSTRUCTION.	MEDIUM
D4	HIGH RETAINING WALLS	SOME AREAS OF WORKS CONTAIN HIGH RETAINING WALLS WHERE LAND MORPHOLOGY DICTATES.	HIGH	HIGH RETAINING WALLS CANNOT BE AVOIDED DUE TO EXISTING LAND MORPHOLOGY. SINGLE TIER WALLS HAVE LIMITED TO A MAX HEIGHT OF 2m. CONTRACTOR WILL NEED TO TAKE ALL ACTIONS NECESSARY TO ADDRESS THIS HAZARD DURING CONSTRUCTION.	MEIDUM
D5	WATER BODIES	PROPOSED CONSTRUCTION WATER DAMS WILL BE PRESENT ON SITE.	MEDIUM	PROPOSED WATER BODIES HAVE BEEN LOCATED AWAY FROM PUBLIC ACCESS AREAS. ACCESS TO THESE LOCATION WILL BE RESTRICTED FROM THE PUBLIC. CONTRACTOR WILL NEED TO TAKE ALL ACTIONS NECESSARY TO ADDRESS THIS HAZARD DURING CONSTRUCTION.	LOW

CONSTRUCTION HAZARD SCHEDULE

ITEM	POTENTIAL HAZARD	POSSIBLE PREVENTATIVE ACTION
C1	DEEP EXCAVATION HAZARD	ALL STEPS MUST BE TAKEN TO OBTAIN CURRENT UNDERGROUND SERVICES INFORMATION BEFORE EXCAVATION WORKS COMMENCE. EXCAVATION WORK MUST BE UNDERTAKEN BY APPROPRIATELY EXPERIENCED AND QUALIFIED PERSONNEL. EXCAVATIONS SHALL BE ADEQUATELY SHORED AND APPROPRIATE BARRICADES AND SIGNAGE ERECTED, IF REQUIRED.
C2	OVERHEAD POWER HAZARD	WARNING SIGNS AND MARKERS SHALL BE ERECTED ADVISING OF THE PRESENCE OF LIVE OVERHEAD CABLES. A REPRESENTATIVE OF THE SUPPLY AUTHORITY SHALL REMAIN ON SITE DURING EARTHWORKS AND ANY OTHER HIGH RISK WORKS, IF REQUIRED.
C3	UNDERGROUND ELECTRICAL, TELECOMMUNICATION, GAS AND WATER MAIN HAZARD	WARNING SIGNS AND MARKERS SHALL BE ERECTED ADVISING OF THE PRESENCE OF THE EXISTING SERVICE. THE SERVICE SHALL BE IDENTIFIED AND MARKED BY THE SUPPLY AUTHORITY PRIOR TO THE COMMENCEMENT OF EXCAVATION. A REPRESENTATIVE OF THE SUPPLY AUTHORITY SHALL REMAIN ON SITE DURING THE EXCAVATION WORK, IF REQUIRED.
C4	WORKS NEAR RAIL, AIRPORTS AND ROADS HAZARD	ALL REQUIRED PERMITS, APPROVALS AND SAFETY REQUIREMENTS FROM THE RELEVANT AUTHORITY SHOULD BE OBTAINED PRIOR TO COMMENCING WORK. A REPRESENTATIVE OF THE RELEVANT AUTHORITY SHALL REMAIN ON SITE DURING CONSTRUCTION WHILE THE HAZARD REMAINS.
C5	PEDESTRIAN ACCESS HAZARD	WORK WITHIN OR ADJACENT TO AREAS WHICH THE PUBLIC REQUIRES PEDESTRIAN ACCESS MUST HAVE APPROPRIATE BARRICADES AND SIGNAGE ERECTED AT ALL TIMES.
C6	POTENTIAL VEHICLE HAZARD	SITE PERSONNEL SHALL BE ADVISED OF THE POTENTIAL HAZARDS AND THE APPROPRIATE PROCEDURES FOR WORKING ADJACENT TO OPERATING PUBLIC ROADS. APPROPRIATE SAFETY CLOTHING SHALL BE WORN AND THE REQUIRED SIGNAGE SHALL BE ERECTED. THE WORKS SHALL BE UNDERTAKEN IN A MANNER WHICH DOES NOT COMPROMISE THE SAFETY OF THE VEHICLE OCCUPANTS OR THE SITE PERSONNEL.
C7	DEMOLITION AND CLEARING HAZARD	SUITABLE QUALIFIED AND EXPERIENCED PERSONNEL SHALL BE RESPONSIBLE FOR THE DEMOLITION AND CLEARING WORKS FOR THE PROJECT AT ALL TIMES. THE CONTRACTORS WORK METHOD STATEMENT SHALL ALSO GIVE CONSIDERATION TO FALLING DEBRIS, COLLAPSE AND DANGEROUS AIRBORNE AGENTS.
C8	TRAFFIC MANAGEMENT HAZARD	SUITABLE QUALIFIED AND EXPERIENCED PERSONNEL SHALL BE RESPONSIBLE FOR THE SAFE AND ORDERLY PASSAGE OF VEHICULAR AND PEDESTRIAN TRAFFIC THROUGH THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL DEVELOP A TRAFFIC MANAGEMENT PLAN (TMP) FOR THE PROJECT TO ESTABLISH APPROPRIATE CONTROLS IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL.
C9	ASBESTOS HAZARD	ALL PERSONNEL SHOULD BE ADVISED OF THE POTENTIAL PRESENCE OF ASBESTOS AND AN IDENTIFICATION AND ACTION PLAN SHALL BE PUT IN PLACE. SAMPLING AND IDENTIFICATION IS TO BE UNDERTAKEN IN ACCORDANCE WITH WORKPLACE HEALTH AND SAFETY REGULATIONS. IF SAMPLING CONFIRMS THE PRESENCE OF ASBESTOS THEN THE ACTION PLAN IS TO BE IMPLEMENTED TO REMEDIATE THE SITE.
C10	POTENTIAL ROCK FALL	LAND ABOVE THE SITE HAS BEEN CLEARED AND SOME EARTHWORKS HAS BEEN UNDERTAKEN CREATING A POTENTIAL ROCK FALL HAZARD. SUITABLE PERSONNEL SHALL BE RESPONSIBLE FOR IDENTIFYING ANY POTENTIAL HAZARD AND THE CONTRACTOR SHALL TAKE APPROPRIATE ACTION TO ELIMINATE THE HAZARD.

FOR CONSTRUCTION

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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise
BRISBANE OFFICE
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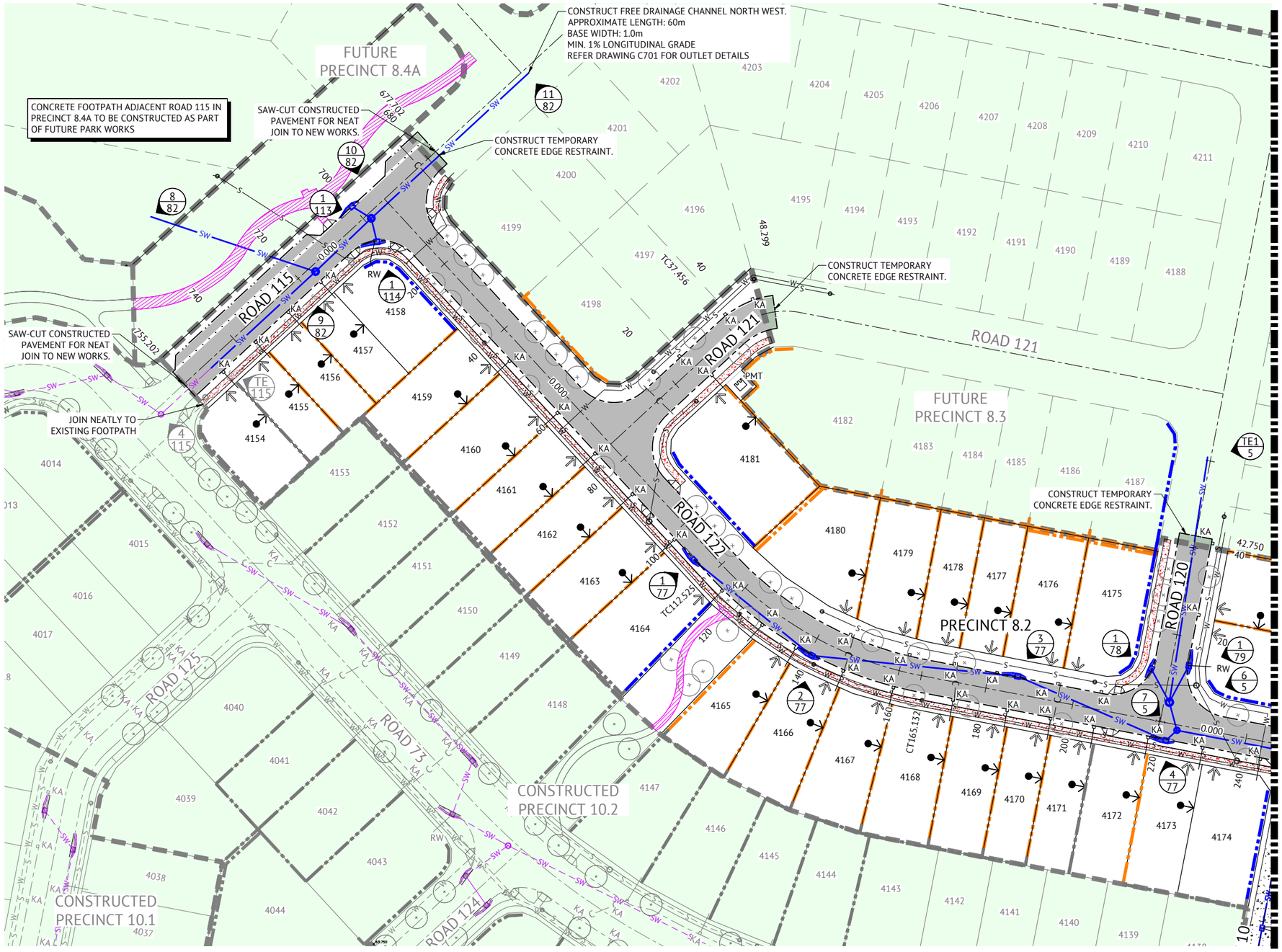
DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112
SCALE
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SAFETY IN DESIGN

JOB CODE MIR-0801
SHEET NUMBER C004
REV B



LAYOUT PLAN

SCALE 1:500

LEGEND - PROPOSED

- PAVEMENT (ASPHALT)
- PAVEMENT (CONCRETE)
- PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'B2' KERB. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'ER1' EDGE RESTRAINT. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'INV' CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED 1.5m WIDE (U.N.O.) CONCRETE FOOTPATH. REFER LCC STD DWGS.
- PROPOSED CONCRETE LANDSCAPING FOOTPATH. REFER LANDSCAPING DRAWINGS FOR DETAILS.
- PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
- SW — PROPOSED STORMWATER
- 1/52 — PROPOSED STORMWATER STRUCTURE No.
- KA — ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C420.
- KA — ROOFWATER DRAINAGE KERB ADAPTORS. REFER DETAIL ON DWG C420.
- RW — PROPOSED ROOFWATER HOUSE CONNECTION (150 Ø uPVC)
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED TERRACE LOT FRONTING PARK RETAINING WALL BY OTHERS
- ZERO LOT BOUNDARY
- PROPOSED FUTURE DRIVEWAY LOCATION
- S — PROPOSED SEWER
- W — PROPOSED WATER
- C — C — C — C — PROPOSED WATER CONDUIT
- STAGE BOUNDARY
- PROPOSED LANDSCAPING. CIVIL CONTRACTOR TO COORDINATE WITH LANDSCAPING CONTRACTOR TO CARRY OUT THEIR WORKS. REFER TO LANDSCAPE DRAWINGS FOR FURTHER DETAIL.
- TREES
- PMT — PADMOUNT TRANSFORMER

LEGEND - CONSTRUCTED

- KA — ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C420.
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- SW — STORMWATER
- S — SEWER
- W — WATER
- RM — SEWER RISING MAIN
- RETAINING WALL
- 13/501 — STORMWATER STRUCTURE No.

PAVEMENT SUBGRADE GUARANTEE:

CONTRACTOR SHALL UNDERTAKE EARTHWORKS REQUIRED IN EITHER CUT OR FILL TO ENSURE THE SUBGRADE QUALITY IS AT CBR10 OR GREATER. CONTRACTOR TO LIAISE WITH OWN GEOTECHNICAL ENGINEER TO ACHIEVE REQUIREMENT.

STORMWATER TRENCH BACKFILL NOTE:

ALL STORMWATER TRENCH BACKFILL MATERIAL SHALL BE SOURCED FROM ON SITE EXCAVATED MATERIAL.

- FOR TYPICAL SECTIONS AND NOTES REFER TO DRAWING No. C300 - ROADWORKS TYPICAL SECTIONS AND NOTES, AND DRAWING No. C420 - STORMWATER DRAINAGE DETAILS AND NOTES.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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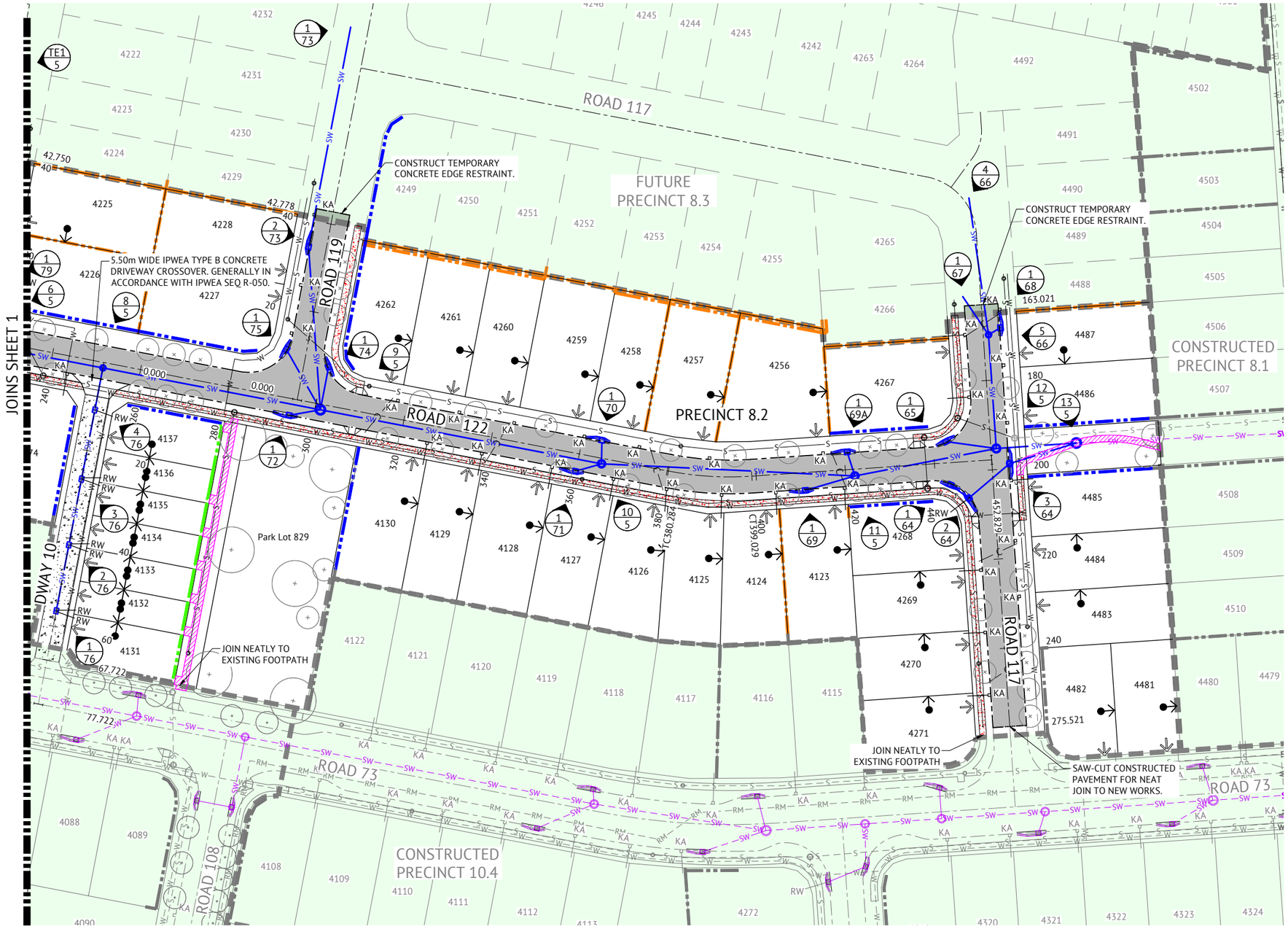
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 1

JOB CODE: MIR-0802
SHEET NUMBER: C100
REV: B



LAYOUT PLAN

SCALE 1:500

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LEGEND - PROPOSED

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- PAVEMENT (CONCRETE)
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- ZERO LOT BOUNDARY
- PROPOSED FUTURE DRIVEWAY LOCATION
- S — PROPOSED SEWER
- W — PROPOSED WATER
- C — C — C — C — PROPOSED WATER CONDUIT
- STAGE BOUNDARY
- PROPOSED LANDSCAPING. CIVIL CONTRACTOR TO COORDINATE WITH LANDSCAPING CONTRACTOR TO CARRY OUT THEIR WORKS. REFER TO LANDSCAPE DRAWINGS FOR FURTHER DETAIL.
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- SW — STORMWATER
- S — SEWER
- W — WATER
- RM — SEWER RISING MAIN
- RETAINING WALL
- 13/501 — STORMWATER STRUCTURE No.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE: 0 10 20 30m — SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 2

JOB CODE: MIR-0802
SHEET NUMBER: C101
REV: B

LAYOUT PLAN

SCALE 1:500

EARTHWORKS FOR LOTS 4011-4012, 4017-4018, 4039-4044 & 4076-4094 COMPLETED AS PART OF PRECINCT 9 & 10.1 WORKS

LEGEND - PROPOSED

- NO CHANGES TO BULK EARTHWORKS. EARTHWORKS DONE AS PART OF PRECINCT 10.2, 10.4 & 8.1 EARTHWORKS PACKAGES
- EXTENT OF CUT
- EXTENT OF FILL
- 12.0 — FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- 51.65 — FINISHED SURFACE LEVEL
- H1.0 — PROPOSED CONCRETE SLEEPER RETAINING WALL (AND HEIGHT). TIMBER TEXTURED SLEEPERS AND 2 COAT PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- H1.0 — PROPOSED CONCRETE PANEL RETAINING WALL (AND HEIGHT). 2 COAT TEXTURED PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- H1.0 — PROPOSED TERRACE LOT FRONTING PARK BY OTHERS RETAINING WALL (AND HEIGHT). RETAINING WALL TYPE TBC.
- FEATURE FENCE BY LANDSCAPER
- 58.25 — FOOTPATH SPOT LEVEL
- ZERO LOT LINE
- PROPOSED FUTURE DRIVEWAY LOCATION
- STAGE BOUNDARY
- 1m WIDE, 200mm HIGH STEP TERRACE LOTS STAIRS FRONTING PARK

LEGEND - CONSTRUCTED

- RETAINING WALL
- 12.0 — CONTOURS (0.50m)
- SW — STORMWATER
- S — SEWER
- W — WATER
- RM — SEWER RISING MAIN

NOTES

1. REFER TO BULK EARTHWORKS NOTES & DETAILS DRAWINGS FOR:
   - EARTHWORKS NOTES AND DETAILS
   - RETAINING WALL NOTES AND DETAILS
2. PROPOSED SERVICES ARE WITHIN THE VICINITY OF RETAINING WALLS. REFER SERVICE DRAWINGS FOR SERVICE LOCATIONS AND DETAILS.
3. EXISTING DWELLINGS, FENCES ETC TO BE DEMOLISHED AND REMOVED OFF SITE BY OTHERS (UNLESS NOTED OTHERWISE)
4. FINAL RETAINING WALL TYPES AND FINISHES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO CONSTRUCTION.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION - ADDED WALL BETWEEN LOTS 4172 AND 4173	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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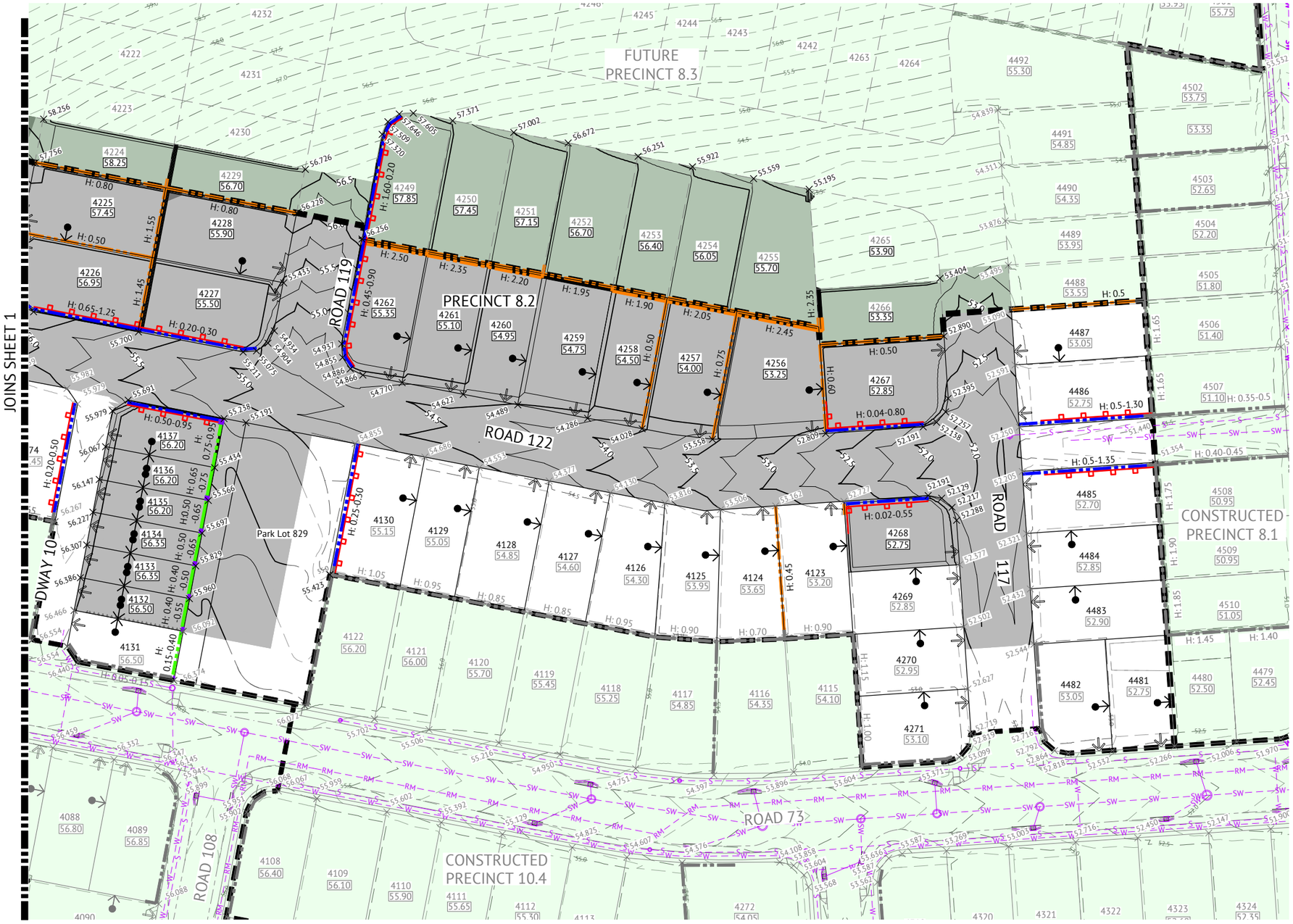
SCALE 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS LAYOUT PLAN - SHEET 1

JOB CODE MIR-0802
SHEET NUMBER C200
REV B



LAYOUT PLAN

SCALE 1:500

EARTHWORKS FOR LOTS 4011-4012, 4017-4018, 4039-4044 & 4076-4094 COMPLETED AS PART OF PRECINCT 9 & 10.1 WORKS

LEGEND - PROPOSED

- NO CHANGES TO BULK EARTHWORKS. EARTHWORKS DONE AS PART OF PRECINCT 10.2, 10.4 & 8.1 EARTHWORKS PACKAGES
- EXTENT OF CUT
- EXTENT OF FILL
- 12.0 — FINISHED MAJOR CONTOURS (0.50m)
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- FEATURE FENCE BY LANDSCAPER
- 58.25 — FOOTPATH SPOT LEVEL
- ZERO LOT LINE
- PROPOSED FUTURE DRIVEWAY LOCATION
- STAGE BOUNDARY
- 1m WIDE, 200mm HIGH STEP TERRACE LOTS STAIRS FRONTING PARK

LEGEND - CONSTRUCTED

- RETAINING WALL
- 12.0 — CONTOURS (0.50m)
- SW — STORMWATER
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NOTES

1. REFER TO BULK EARTHWORKS NOTES & DETAILS DRAWINGS FOR:
   - EARTHWORKS NOTES AND DETAILS
   - RETAINING WALL NOTES AND DETAILS
2. PROPOSED SERVICES ARE WITHIN THE VICINITY OF RETAINING WALLS. REFER SERVICE DRAWINGS FOR SERVICE LOCATIONS AND DETAILS.
3. EXISTING DWELLINGS, FENCES ETC TO BE DEMOLISHED AND REMOVED OFF SITE BY OTHERS (UNLESS NOTED OTHERWISE)
4. FINAL RETAINING WALL TYPES AND FINISHES SHALL BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO CONSTRUCTION.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
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PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS LAYOUT PLAN - SHEET 2

JOB CODE MIR-0802
SHEET NUMBER C201
REV B

NOTES

1. LOCATION & LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. EARTHWORKS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH EROSION AND SEDIMENT CONTROL LAYOUT PLANS AND EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. ALL EARTHWORKS TO BE CARRIED OUT UNDER 'LEVEL ONE' GEOTECHNICAL CONTROL IN ACCORDANCE WITH LOCAL AUTHORITIES AND AS3798.
4. EXCESS CUT TO BE STOCKPILED IN THE LOCATION SHOWN OR AS DIRECTED ON SITE.
5. ALL BATTERS ARE 1 IN 4 UNLESS SHOWN OTHERWISE.
6. CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION FENCING ALONG THE FULL PERIMETER BOUNDARY INCLUDING APPROPRIATE SIGNAGE.

TESTING

1. THE SUPERINTENDENT MAY ORDER ADDITIONAL TESTS. REFER TO THE LOCAL AUTHORITIES SPECIFICATION FOR STANDARDS OF COMPACTION AND MATERIAL STANDARDS. FAILED TESTS WILL BE AT THE CONTRACTOR'S EXPENSE.

EARTHWORKS TESTING

1. COMPACTION TESTS

LOCATION	AREA PER TEST
FINISHED LEVEL OR ROAD SUBGRADE (IN CUT OR FILL)	REFER TO THE LOCAL AUTHORITY SPECIFICATION
LOWEST TWO LEVELS OF EMBANKMENT (PER LAYER)	
OTHER LAYERS OF EMBANKMENT	
PREPARED NATURAL GROUND UNDER EMBANKMENT	

2. QUALITY TESTS
   QUALITY TESTS OF IMPORTED MATERIAL ARE REQUIRED AS SET OUT BY LOCAL AUTHORITY.
3. SUBGRADE TESTS
   THE NUMBER AND LOCATION OF PAVEMENT SUBGRADE TESTS SHALL BE IN ACCORDANCE WITH LOGAN CITY COUNCIL SPECIFICATION REQUIREMENTS.

DUST

1. NO VISIBLE DUST EMISSIONS MUST OCCUR AT THE BOUNDARIES OF THE SITE DURING EARTHWORKS AND CONSTRUCTION ACTIVITIES ON THE SITE. DUST CONTROL TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH AS/NZS3580.10.1:2003. DUST CONTROL SHALL COMPLY WITH THE NSW DEPARTMENT OF ENVIRONMENT AND CONSERVATION REPORT "APPROVED METHODS & GUIDANCE FOR THE MODELLNG AND ASSESSMENT OF AIR POLLUTANTS IN NSW."
2. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN CONTROLS TO ACHIEVE THE REQUIREMENTS OF ITEM 1 ABOVE.

FILL MANAGEMENT

1. ALL FILL MATERIAL WILL BE PLACED IN ACCORDANCE WITH THE FILL SPECIFICATION PROVIDED ON THIS SHEET, OR WHERE PROVIDED, THE REQUIREMENTS OF THE GEOTECHNICAL REPORT SPECIFIC TO THIS CONTRACT.
2. THE FILL MATERIAL WILL COMPRISE ONLY OF NATURAL EARTH AND ROCK AND SHALL BE FREE OF ALL CONTAMINATES, NOXIOUS, HAZARDOUS, DELETERIOUS AND ORGANIC MATERIAL.
3. ALL SITE PREPARATION WORK SHOULD GENERALLY BE CARRIED OUT IN ACCORDANCE WITH AS3798 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS'.
4. THE SITE SHOULD BE STRIPPED OF ANY TOPSOIL FROM CUT AND FILL AREAS, ROAD ALIGNMENTS AND CARPARKING AREAS, AND STOCKPILED FOR LATER USE.
5. PRIOR TO THE PLACEMENT OF ANY STRUCTURAL FILL THE SITE SHOULD BE PROOF ROLLED USING A MINIMUM 10 TONNE (STATIC WEIGHT) PADFOOT ROLLER. ANY LOOSE OR SOFT AREAS SHOULD BE REMOVED AND RECOMPACTED OR REPLACED USING A COMPACTED SELECT FILL.
6. DEPRESSIONS FORMED BY THE REMOVAL OR VEGETATION, EXISTING STRUCTURES, UNDERGROUND SERVICES ETC, SHOULD HAVE ALL DISTURBED SOIL CLEANED OUT AND BE BACKFILLED WITH COMPACTED SELECT FILL MATERIAL.
7. ALL COMPLIANCE TESTING SHALL BE CARRIED OUT BY THE GEOTECHNICAL ENGINEER WHO WILL BE ENGAGED BY THE PRINCIPAL CONTRACTOR. ANY/ALL TESTING NECESSARY FOR GUIDANCE OR RE-TESTS WILL BE AT THE COST OF THE CONTRACTOR.
8. THE PLACEMENT OF FILL TO BE EXECUTED SUCH THAT TO BE FREE DRAINING AT ALL TIMES AND NOT TO BE A NUISANCE OR PONDING TO ADJOINING PROPERTY OR ROADS.
9. NO DEMOLITION MATERIAL TO BE USED AS FILL MATERIAL.
10. WHERE UNSUITABLE MATERIAL IN AREAS OF FILL IS ENCOUNTERED, THIS WILL BE TREATED AS SET OUT IN THE EARTHWORK SPECIFICATION.
11. ALL VEHICLES EXITING FROM THE SITE TO BE CLEAN TO PREVENT MATERIAL BEING TRACKED OR DEPOSITED ON THE ADJOINING PUBLIC ROADS, REFER ENVIRONMENTAL MANAGEMENT NOTES ON THE EROSION AND SEDIMENT CONTROL DRAWINGS.
12. SITE ACCESS TO AND ACROSS THE SITE ARE SUBJECT TO SUPERINTENDENT APPROVAL.

TOPSOIL RESPREAD REQUIREMENTS

TOPSOIL RESPREAD THICKNESS SHALL BE AS SPECIFIED BELOW IN THE FOLLOWING AREAS:

- REFER TO EROSION & SEDIMENT CONTROL - STABILISATION PHASE DRAWING FOR TOPSOIL RESPREAD LOCATIONS AND THICKNESS.

TURF

CONTRACTOR SHALL SUPPLY AND LAY TURF AS SPECIFIED IN THE FOLLOWING AREAS:

- REFER TO EROSION & SEDIMENT CONTROL - STABILISATION PHASE DRAWING FOR TURF SUPPLY AND LAY AREAS.

TRENCH SPOIL

EXCESS TRENCH SPOIL MATERIAL GENERATED BY THIS CONTRACT SHALL BE PLACED EITHER WITHIN THE FILL ZONE NOMINATED ON THE EARTHWORKS DRAWINGS OR WITHIN A FILL ZONE NOMINATED BY THE SUPERINTENDENT THAT SHALL BE CONFIRMED PRIOR TO CONSTRUCTION COMMENCEMENT. FILL TO BE PLACED UNDER LEVEL 1 SUPERVISION AND IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION.

TRENCH BACKFILL

CBR15 STORMWATER TRENCH BACKFILL MATERIAL SHALL BE SOURCED FROM ON SITE EXCAVATED MATERIAL.

EXCAVATION IN ROCK

CONTRACT SHALL INCLUDE TREATING, SIZING, CONDITIONING AND PROCESSING ALL TYPES OF ROCK IN ALL EXCAVATIONS. PROCESSING TO BE COMPLETED TO ENSURE THAT FILL SPECIFICATION AND LEVEL ONE CERTIFICATION IS ACHIEVED.

EVERLEIGH EARTHWORKS TOLERANCE TABLE

ITEM	TOLERANCE
EARTHWORKS IN ALLOTMENTS AND 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.

DISPERSIVE SOILS MANAGEMENT NOTES

1. GYPSUM TREATMENT FOR DISPERSIVE SOILS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE EVERLEIGH DISPERSIVE SOIL MANAGEMENT PLAN (REPORT #GE20.042.R1). AREAS THAT REQUIRED TREATMENT REGARDLESS OF NOMINATING ON PLANS ARE:
   - ALL SERVICE TRENCHES BELOW AND ABOVE BEDDING MATERIAL, INCLUDING STRUCTURES, E.G. MANHOLES.
   - UNDER AND SURROUNDING STORMWATER HEADWALLS
   - TURF/LANDSCAPED AREAS SUBJECT TO DIRECTED WATER FLOWS. TREATMENT AT FINISHED EARTHWORKS PRIOR TO TOPSOIL PLACEMENT/FINISH LANDSCAPE SURFACE.
   - TURF/LANDSCAPED AREAS SUBJECT TO WATER PONDING. TREATMENT AT FINISHED EARTHWORKS PRIOR TO TOPSOIL PLACEMENT/FINISH LANDSCAPE SURFACE.
   - TREATMENT TO INSITU/UNTOUCHED ROCK IS NOT REQUIRED.
2. STABILISATION OF DISTURBED AREAS AND MANAGEMENT OF EROSION AND SEDIMENT SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS IN THIS DRAWING SET. THE CONTRACTOR IS TO REVIEW THE PROPOSED DRAINS AND DETERMINE IF TREATMENT TO ANY DIVERSION DRAIN IS REQUIRED BASED ON TIME IN USE ON DURING WORKS. TREATMENT TO BE IN ACCORDANCE WITH THE DSMP.
3. CONTRACTOR MUST CONSTRUCT AND ESTABLISH THE EROSION AND SEDIMENT CONTROL DEVICES, CONSTRUCTION WATER HOLDING DAM AND HES BASIN PRIOR TO COMMENCING EARTHWORKS OPERATION. TREATMENT TO THE SURFACE OF ANY WATER RETAINING BODY SHALL BE IN ACCORDANCE WITH THE DSMP
4. ALL DISTURBED AREAS SHALL BE STABILISED AS SOON AS PRACTICABLE (BUT NOT MORE THAN 10 DAYS) FOLLOWING FINALISATION OF LEVELS. STABILISATION TO BE IN ACCORDANCE WITH EROSION & SEDIMENT CONTROL - STABILISATION PHASE.

TOPSOIL AMELIORATION

ONSITE STRIPPED TOPSOIL SHALL BE AMELIORATED PRIOR TO RESPREAD. THE FOLLOWING AMELIORATION SPECIFICATIONS SHALL APPLY:

A-GRADE QUALITY TOPSOIL AMELIORATION:
- SCREEN STRIPPED TOPSOIL
- ON-SITE COMPOST INCORPORATION (0.15kg/m^3 OF TOPSOIL)
- DOLOMITE (15kg/m^3 OF TOPSOIL)
- GRANULAR WETTING AGENT (0.5kg/m^3 OF TOPSOIL)
- FERTILISER (0.4kg/m^3 OF TOPSOIL)

B-GRADE QUALITY TOPSOIL AMELIORATION:
- SCREEN STRIPPED TOPSOIL
- DOLOMITE (15kg/m^3 OF TOPSOIL)
- GRANULAR WETTING AGENT (0.5kg/m^3 OF TOPSOIL)
- FERTILISER (0.4kg/m^3 OF TOPSOIL)

ROCK TREATMENT IN ALLOTMENTS

WHERE ALLOTMENTS ARE LOCATED IN CUT, 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.

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

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
	0.0 - 0.6	0.6 - 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

FOR CONSTRUCTION

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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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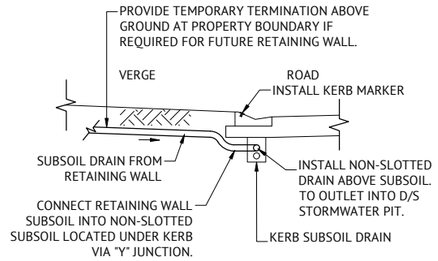
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112
SCALE
ORIGINAL SHEET SIZE A1

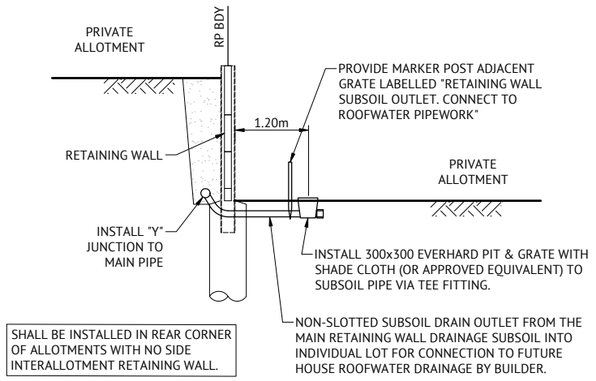
CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS NOTES AND DETAILS - SHEET 1

JOB CODE MIR-0802
SHEET NUMBER C210
REV B



TYPICAL RETAINING WALL SUBSOIL OUTLET TO ROAD

N.T.S.



TYPICAL RETAINING WALL SUBSOIL OUTLET TO ALLOTMENTS

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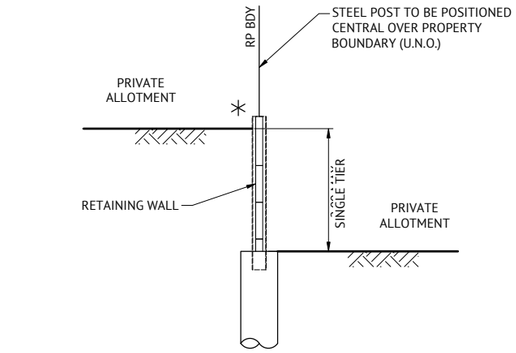

TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT 0.4m-2m MAX HIGH

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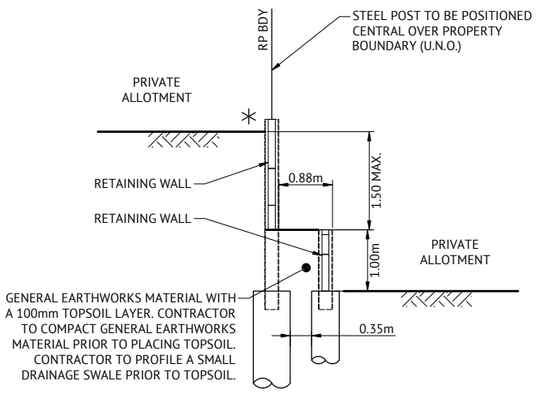
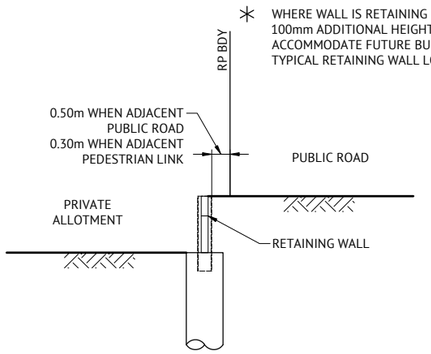
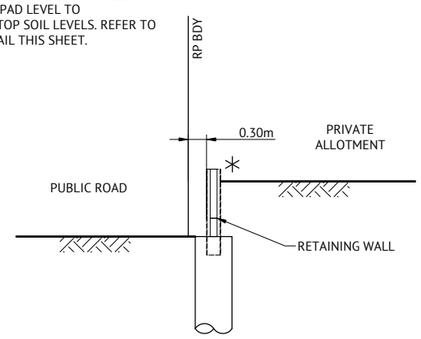


TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT 2m-2.5m MAX HIGH



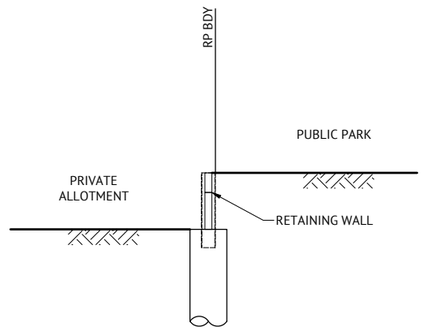
TYPICAL RETAINING WALL DETAIL ROAD ADJACENT TO LOT WHERE ROAD LEVEL IS HIGHER

N.T.S.



TYPICAL RETAINING WALL DETAIL ROAD ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER

N.T.S.



TYPICAL RETAINING WALL DETAIL PARK ADJACENT TO LOT WHERE PARK LEVEL IS HIGHER

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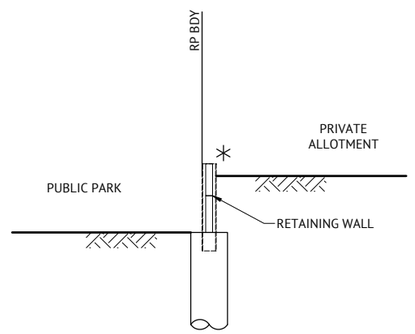
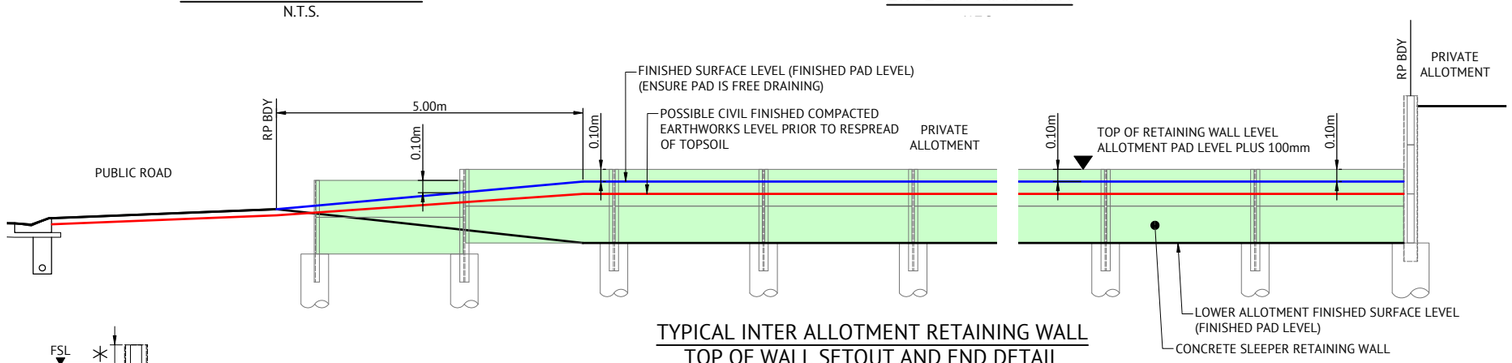


TYPICAL RETAINING WALL DETAIL PARK ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER

N.T.S.



TYPICAL INTER ALLOTMENT RETAINING WALL TOP OF WALL SETOUT AND END DETAIL

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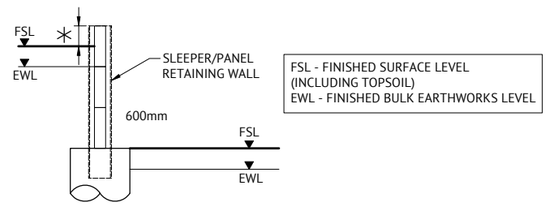

TYPICAL RETAINING WALL TOP AND BOTTOM FINISHING LEVEL DETAIL

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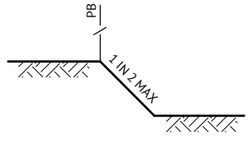

TYPICAL SECTION FOR BATTERS BETWEEN LOTS

SCALE 1:20

RETAINING WALL DESIGN:

- ALL RETAINING WALLS SHALL BE DESIGNED & CONSTRUCTED IN ACCORDANCE WITH THE "DESIGN AND CONSTRUCTION RETAINING WALL SPECIFICATION" PREPARED BY PREMISE ENGINEERING.
- RETAINING WALLS ARE TO BE DESIGNED TO ACHIEVE A MINIMUM OF 50 YEAR DESIGN LIFE.
- RETAINING WALLS ARE TO BE DESIGNED IN ACCORDANCE WITH THE AS4678- EARTH RETAINING STRUCTURES AND RELEVANT MATERIAL STANDARDS (E.G AS3600- CONCRETE STRUCTURES).

RETAINING WALL SUBSOIL DRAINAGE OUTLET DESIGN:

RETAINING WALL SUBSOIL DRAINAGE PIPE OUTLET LOCATIONS SHALL BE IN ACCORDANCE WITH THE EVERLEIGH RETAINING WALL DESIGN SPECIFICATION. THE PRINCIPAL CIVIL CONTRACTOR SHALL DETERMINE THE LOCATION OF RETAINING WALL SUBSOIL DRAINAGE PIPES IN ACCORDANCE WITH THE EVERLEIGH RETAINING WALL DESIGN SPECIFICATION AND PROVIDE PROPOSAL TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCING RETAINING WALL CONSTRUCTION.

RETAINING WALL SHOP DRAWINGS

CONTRACTOR MUST PREPARE RETAINING WALL SHOP DRAWINGS FOR APPROVAL BY SUPERINTENDENT PRIOR TO COMMENCING RETAINING WALL CONSTRUCTION. SHOP DRAWINGS ARE TO DETAIL THE FOLLOWING ELEMENTS:

- ELEVATIONS OF ALL PROPOSED RETAINING WALLS AND ACOUSTIC FENCES
- TOP AND BOTTOM RLS TO SLEEPER/PANEL
- FINISHED PAD/ROAD SURFACE LEVELS
- DIMENSIONS OF RETAINING WALL END FINISHING CONFIGURATION, OFFSETS FROM BOUNDARIES
- POST DETAILS FOR INTRICATE INTERSECTION POINTS

PROPERTY SERVICES UNDER RETAINING WALLS:

CONTRACTOR SHALL REFER TO ALL LATEST SERVICE DRAWINGS TO ENSURE PROVISIONS ARE MADE FOR ALL PROPERTY SERVICE CONNECTIONS UNDER RETAINING WALLS.

PAD MOUNTED TRANSFORMER NOTE

- RETAINING WALLS AND THEIR FOOTINGS SHALL NOT ENCROACH INTO THE PMT SITE (AS PER RETAINING WALLS LOCATED ADJACENT ROAD RESERVES DETAIL) UNLESS THE RETAINING WALL SPECIFIED IS AN ENERGEX STANDARD MASONRY WALL.
- RETAINING WALL DESIGN SHALL CONSIDER ENERGEX REQUREMENT WHERE RETAINING WALLS ARE LOCATED WITHIN 2m OF PMT SITE.

RETAINING WALL TYPE

PRIVATE FACING RETAINING WALLS:
CONCRETE SLEEPER RETAINING WALL. TIMBER TEXTURED SLEEPERS AND 2 COAT PAINT (COLOUR WARM GREY 10C). DESIGN SPECIFICATION BY MANUFACTURER.

PUBLIC FACING RETAINING WALLS:
CONCRETE PANEL RETAINING WALL. 2 COAT TEXTURED PAINT. DESIGN SPECIFICATION BY MANUFACTURER.

FENCE BRACKETS

PROVIDE FENCE BRACKETS TO ALL RETAINING WALLS.
NO BRACKETS TO BE PROVIDED WITHIN THE FIRST 5m FROM FRONT BOUNDARY FOR INTER-ALLOTMENT RETAINING WALLS.

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DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE NTS
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS NOTES AND DETAILS - SHEET 2

JOB CODE MIR-0802
SHEET NUMBER C211
REV B

LEGEND - PROPOSED

- NO CHANGES TO BULK EARTHWORKS. EARTHWORKS DONE AS PART OF PRECINCT 10.2, 10.4 & 8.1 EARTHWORKS PACKAGES
- EXTENT OF CUT
- EXTENT OF FILL
- TREES
- BOLLARD
- STREET TREE / PLANTING AREA. CONTRACTOR TO ENSURE AREA IS FREE OF ROCK UP TO A DEPTH OF 1.5M BELOW DESIGN FSL (I.E. ENSURE AREA IS EASY DIGGING FOR THE INSTALLATION OF TREES AND PLANTING). CONTRACTOR TO ALSO ENSURE THESE AREAS ARE CONNECTED INTO THE NEAREST STORMWATER STRUCTURE AND MADE FREE DRAINING VIA SLOTTED AGI PIPE.

ALLOTMENT PREPARATION REQUIREMENT:

CONTRACTOR SHALL ENSURE THAT ALL ALLOTMENTS WHERE LOCATED IN CUT WITHIN ROCK, SHALL BE OVER-EXCAVATED A MINIMUM 500mm DEPTH BELOW DESIGN EARTHWORKS LEVEL AND RECOMPACTED TO LEVEL ONE CERTIFICATION.

LAYOUT PLAN
SCALE 1:750

FOR CONSTRUCTION

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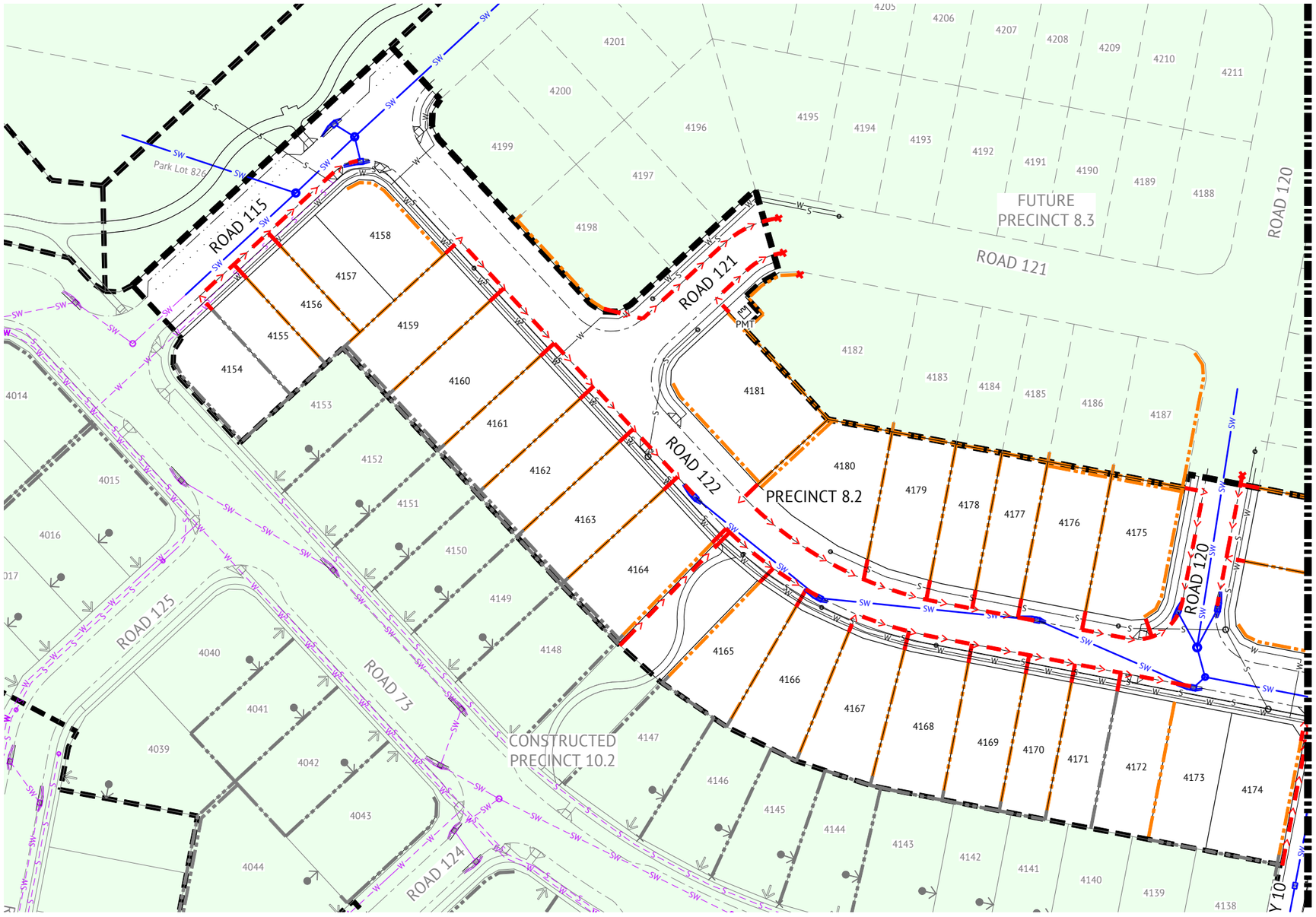
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 15 30 45m
SCALE 1:750(A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE EARTHWORKS SUBGRADE ROCK PREPARATION DETAILS

JOB CODE MIR-0802
SHEET NUMBER C220
REV B



LAYOUT PLAN

SCALE 1:500

LEGEND - PROPOSED

- PROPOSED RETAINING WALL SUBSOIL DRAINAGE
- PROPOSED STORMWATER
- RETAINING WALL SUBSOIL OUTLET TO ALLOTMENT REFER DRAWING C211 FOR TYPICAL DETAILS
- RETAINING WALL SUBSOIL STUB
- PROPOSED RETAINING WALL
- PROPOSED SEWER
- PROPOSED WATER
- STAGE BOUNDARY

LEGEND - CONSTRUCTED

- RETAINING WALL
- STORMWATER
- SEWER
- WATER
- SEWER RISING

FOR CONSTRUCTION

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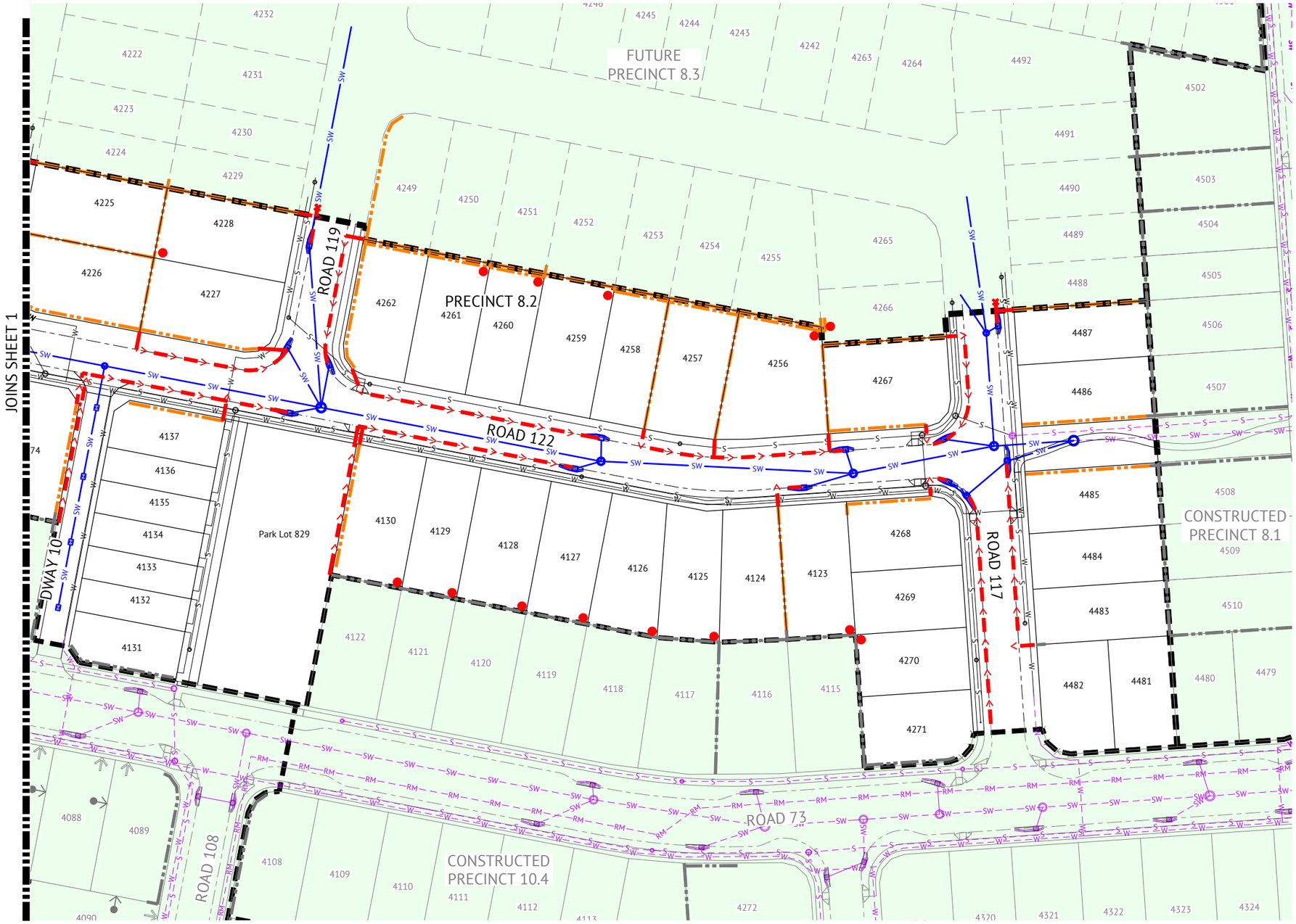
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE: 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: RETAINING WALL SUBSOIL DRAINAGE PLAN - SHEET 1

JOB CODE: MIR-0802
SHEET NUMBER: C230
REV: B



LAYOUT PLAN

SCALE 1:500

LEGEND - PROPOSED

- PROPOSED RETAINING WALL SUBSOIL DRAINAGE
- PROPOSED STORMWATER
- RETAINING WALL SUBSOIL OUTLET TO ALLOTMENT REFER DRAWING C211 FOR TYPICAL DETAILS
- RETAINING WALL SUBSOIL STUB
- PROPOSED RETAINING WALL
- PROPOSED SEWER
- PROPOSED WATER
- STAGE BOUNDARY

LEGEND - CONSTRUCTED

- RETAINING WALL
- STORMWATER
- SEWER
- WATER
- SEWER RISING

FOR CONSTRUCTION

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CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE: 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: RETAINING WALL SUBSOIL DRAINAGE PLAN - SHEET 2

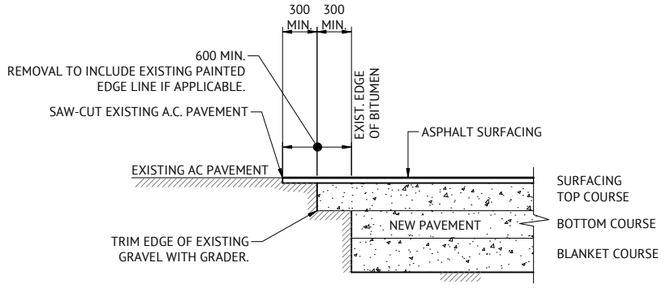
JOB CODE: MIR-0802
SHEET NUMBER: C231
REV: B

NOTES

1. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH LOGAN CITY COUNCIL STANDARD DRAWINGS AND METHODS (U.N.O.).
2. NOTWITHSTANDING THE LIMITS OF CUTTING AND FILLING SHOWN ON THE DRAWINGS, THE ACTUAL LIMITS SHALL BE DETERMINED ON SITE BY THE SUPERINTENDENT DURING CONSTRUCTION AND SIMILARLY THE FINISHED SURFACE CONTOURS MAY BE ADJUSTED BY WRITTEN DIRECTION OF THE SUPERINTENDENT DURING CONSTRUCTION.
3. THE CONTRACTOR IS TO ASCERTAIN THE EXACT LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE COST OF RECTIFICATION OF ANY DAMAGES TO EXISTING SERVICES WHICH MAY OCCUR. THE LOCATION OF EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY.
4. SUBGRADE TEST RESULTS TO BE FORWARDED TO SUPERINTENDENT FOR DETERMINATION OF BOX DEPTHS PRIOR TO EXCAVATION. TESTS SHALL INCLUDE SOAKED CBR AND/OR OTHER TESTS AS REQUESTED BY THE SUPERINTENDENT.
5. ALLOTMENT FILLING TO BE COMPACTED TO 95% (min) OF THE R.D.D. (AS 1289 - TESTS E1.1, E4.1).
6. LEVELS AND SETOUT INFORMATION FOR KERB AND CHANNEL CONSTRUCTION IS GIVEN TO LIP OF KERB.
7. LEVELS AND GRADIENTS AT JUNCTIONS WITH EXISTING WORKS MAY BE VARIED AS APPROVED BY THE SUPERINTENDENT TO ACHIEVE SATISFACTORY CONNECTION TO THE EXISTING WORKS.
8. SIDE DRAINS AND MITRE DRAINS TO BE CONSTRUCTED ADJACENT TO ALL KERB AND CHANNEL.
9. PROVIDE FLUSH POINTS TO SUBSOIL DRAINS, LOCATIONS TO BE CONFIRMED ON SITE.
10. ALL STORMWATER PIPES SHALL BE CLASS '2' (UNO) R.C. PIPES UNLESS AN ALTERNATIVE IS APPROVED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION. ALL PIPES ARE 375mm DIAMETER U.N.O.
11. GULLIES AND GULLY GRATES SHALL BE TO STD. DRGs BSD-8051 - BSD-8059.
12. KACEY GALV. STEEL KERB ADAPTORS ARE TO BE INSTALLED TO THE REQUIREMENTS OF THE LOCAL COUNCILS STANDARD DRAWINGS AND SPECIFICATIONS.
13. ALL LOTS SHOWN BOXED TO HAVE ROOFWATER FOOTPATH CROSSINGS TO KERB. CROSSINGS ARE TO BE 88.9 DIA. GALV. CHS.TO KACEY KERB ADAPTOR.
14. ALL TEMPORARY ROOFWATER OUTLETS TO BE EXCAVATED AT 1 IN 200 TO NATURAL SURFACE.
15. ROOFWATER PITS ARE TO BE 600mm DIAMETER FOR DEPTHS LESS THAN 750mm, 900mm DIAMETER FOR DEPTHS BETWEEN 750mm AND 1500mm DEEP AND 1050mm DIAMETER FOR DEPTHS GREATER THAN 1500mm.
16. ALL ROOFWATER PIPES CROSSING CONCRETE FOOTPATHS ARE TO BE INSTALLED PRIOR TO CONSTRUCTION OF CONCRETE FOOTPATHS.
17. HAZARD MARKERS (D4-4A) TO BE PLACED AT THE END OF NEW WORKS AS DIRECTED BY SUPERINTENDENT.
18. SITE CBR VALUE AND PAVEMENT DESIGN AND DEPTHS TO BE VERIFIED WITH CBR TESTS PRIOR TO CONSTRUCTION.
19. LOCATION & LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
20. TO BE READ IN CONJUNCTION WITH ALL STORMWATER DRAINAGE LAYOUT PLANS & ROADWORKS DETAILS.

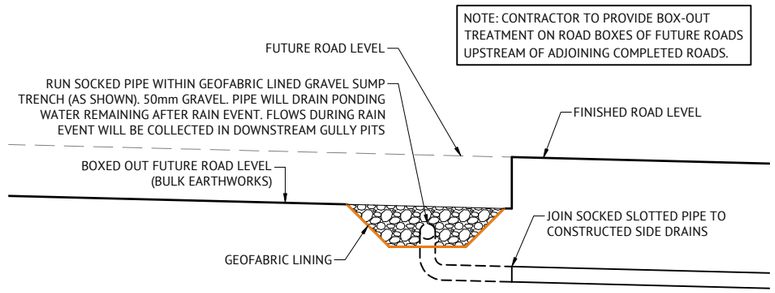
ROADWORKS NOTES

1. GEOTECHNICAL TESTING FOR PAVEMENT CONSTRUCTION IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION. TEST CERTIFICATES ARE TO BE PREPARED BY A REGISTERED N.A.T.A. LABORATORY AT THE CONTRACTORS COST AND SHALL BE PROVIDED TO THE ENGINEER PROGRESSIVELY THROUGH THE WORKS. THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF ANY NON-CONFORMANCES. ALL NON CONFORMING WORK IS TO BE RECTIFIED AS DIRECTED BY THE ENGINEER.
2. FULL DEPTH PAVEMENT CONSTRUCTION SHALL EXTEND BEHIND ALL KERB AND KERB AND CHANNEL FOR A DISTANCE WHICH IS THE GREATER OF 150mm FROM THE BACK OF KERB OR ACROSS TO THE OUTER LIMIT OF SIDE DRAIN FILTER MATERIAL.
3. TRANSITION KERB AND CHANNEL TO BARRIER KERB SMOOTHLY OVER MIN. 1.0m LENGTH.
4. PAVEMENT THICKNESSES NOMINATED ON THESE DRAWINGS ARE PROVISIONAL ONLY AND MAY BE VARIED BY THE SUPERINTENDENT SUBJECT TO INSITU PAVEMENT SUBGRADE TESTING. PAVEMENT SUBGRADES ARE TO BE INITIALLY CONSTRUCTED TO THE UNDERSIDE OF THE NOMINATED LOWER SUBBASE COURSE WITHIN FILL AREAS, AND TO THE UNDERSIDE OF THE NOMINATED UPPER SUBBASE COURSE WITHIN CUT AREAS. INSITU SUBGRADE CBR TESTING AS SPECIFIED FOR PAVEMENT DESIGN VERIFICATION IS TO BE CARRIED OUT AT THESE LEVELS.
5. REPAIR ANY DAMAGE TO EXISTING KERB AND CHANNEL, FOOTPATH OR ROADWAY (INCLUDING REMOVAL OF CONCRETE SLURRY FROM FOOTPATHS, ROADS, KERB AND CHANNEL AND STORMWATER GULLIES AND SIDEDRAINS) THAT MAY OCCUR DURING ANY WORKS CARRIED OUT.



TYPICAL PAVEMENT CUT-BACK DETAIL

N.T.S



TYPICAL FUTURE ROADS BOX-OUT TREATMENT

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

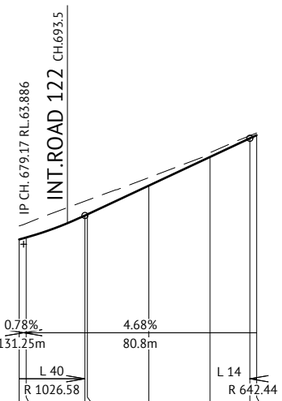
SCALE
0 0.4 0.8 1.2m
SCALE 1:20 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROADWORKS NOTES AND DETAILS

JOB CODE MIR-0802
SHEET NUMBER C300
REV B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 115 (CH.677.70-CH.755.20)
CLASS	-	ACCESS STREET (PARK)
ESA's	-	5.90 x 10^5
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.



Horiz Curve Data

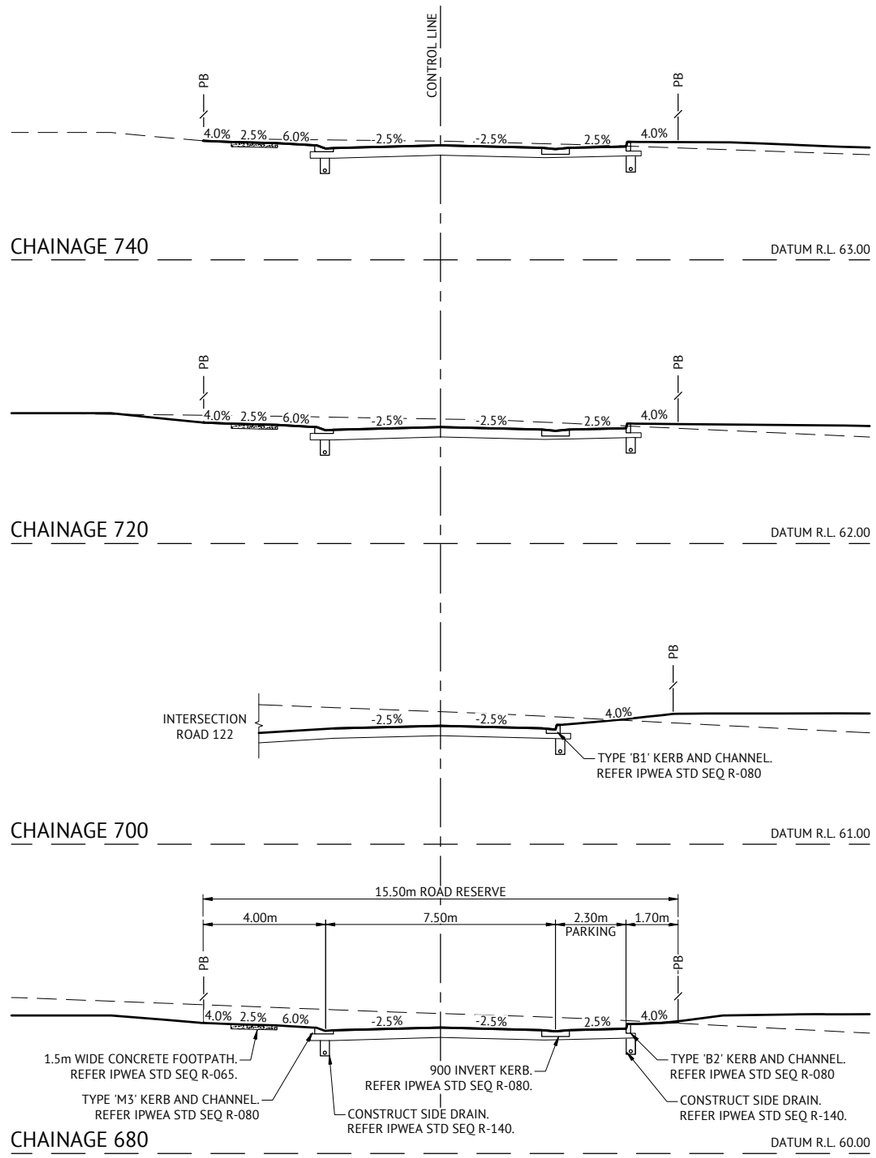
Vertical Geometry Grade (%) 0.78% 4.68%
Vertical Grade Length (m) 131.25m 80.8m

Vertical Curve Length (m) L 40 L 14
Vertical Curve Radius (m) R 1026.58 R 642.44

DATUM R.L.58.0

CUT (-)/FILL DEPTH	-0.439	-0.458	-0.467	-0.459	-0.262	-0.136	-0.085	-0.073
LHS LIP LEVEL	63.955	64.017	64.735	64.774	65.710	66.646	67.253	67.353
RHS LIP LEVEL	63.960	64.022	64.740	64.779	65.714	66.650	67.257	67.358
DESIGN SURFACE	64.042	64.104	64.822	64.861	65.797	66.733	67.340	67.440
NATURAL SURFACE	64.481	64.562	65.290	65.320	66.059	66.869	67.425	67.515
CHAINAGE	677.70	680.00	699.17	700.00	720.00	740.00	752.97	755.20

ROAD 115 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)



ROAD 115 CROSS SECTIONS
SCALE 1:100

FOR CONSTRUCTION

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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

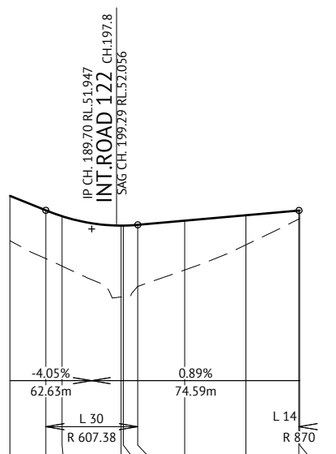
SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
0 2 4 6m
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROAD 115 LONG AND CROSS SECTIONS

JOB CODE MIR-0802
SHEET NUMBER C310
REV B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 117 (CH.163.02-CH.260.00)
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90×10^5
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.



Horiz Curve Data

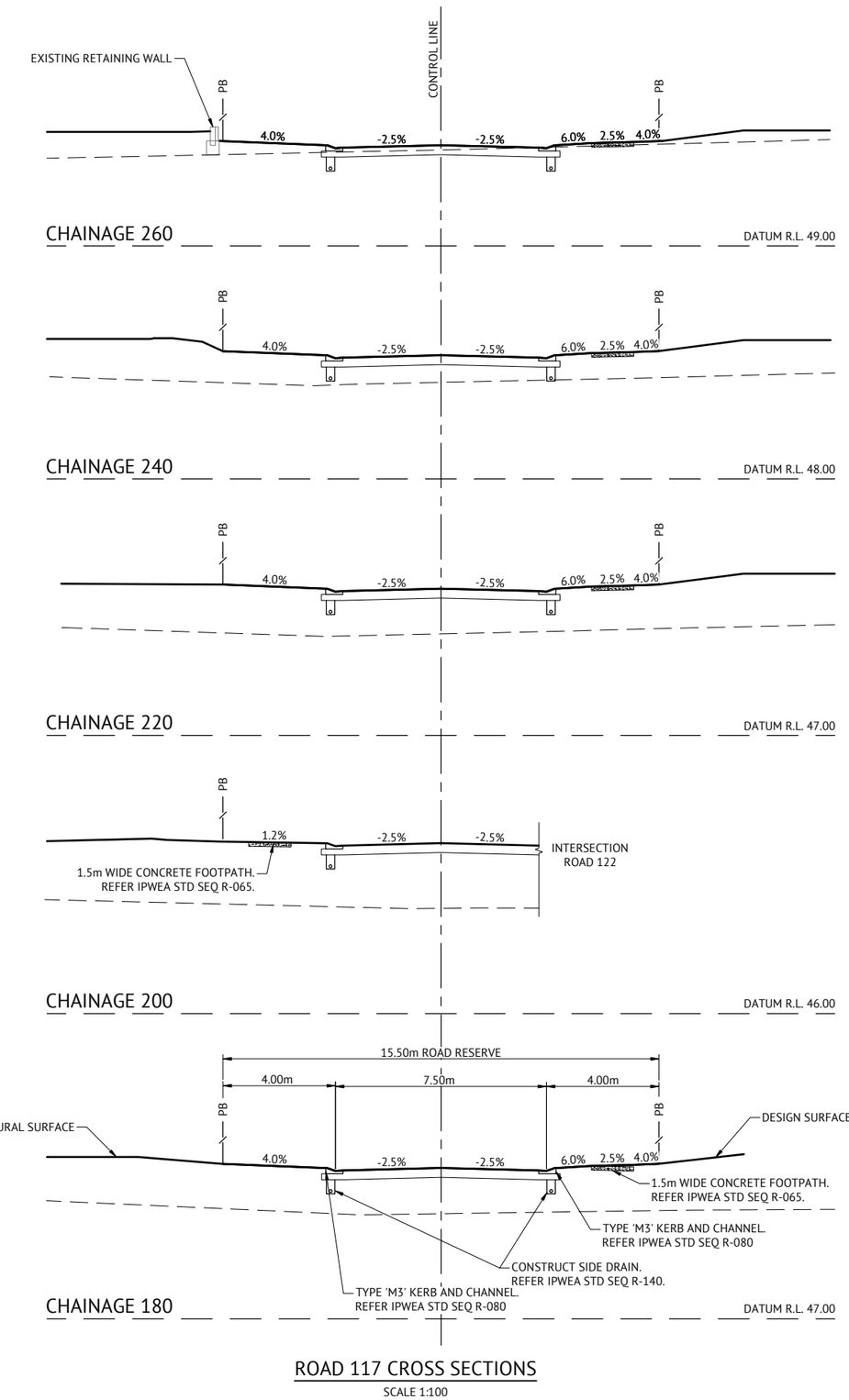
Vertical Geometry Grade (%)
Vertical Grade Length (m)

Vertical Curve Length (m)
Vertical Curve Radius (m)

DATUM R.L.44.0

CHAINAGE	163.02	174.70	180.00	199.29	200.00	204.70	220.00	240.00	257.29	257.52
CUT (-)/FILL DEPTH	1.464	1.574	1.626	2.327	2.318	2.006	1.607	0.964	0.277	0.267
LHS LIP LEVEL	52.940	52.467	52.275	51.969	51.970	51.993	52.130	52.308	52.462	52.464
RHS LIP LEVEL	52.940	52.467	52.275	51.969	51.970	51.993	52.130	52.308	52.462	52.464
DESIGN SURFACE	53.027	52.554	52.362	52.056	52.057	52.080	52.217	52.395	52.549	52.551
NATURAL SURFACE	51.563	50.979	50.737	49.730	49.738	50.074	50.609	51.430	52.272	52.283

ROAD 117 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)



ROAD 117 CROSS SECTIONS
SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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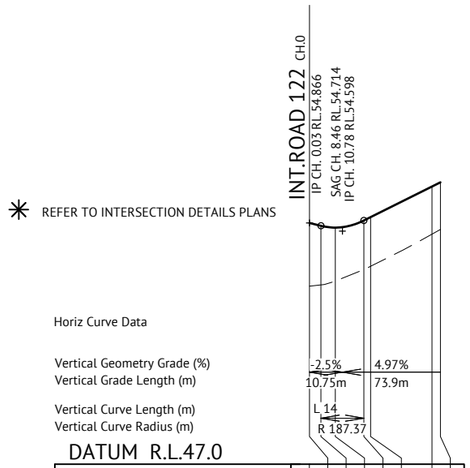
SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
0 2 4 6m
VERTICAL 1:100 (A1)
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROAD 117 LONG AND CROSS SECTIONS

JOB CODE MIR-0802
SHEET NUMBER C311
REV B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 119 (CH.0.00-CH.42.78)
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90×10^5
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.

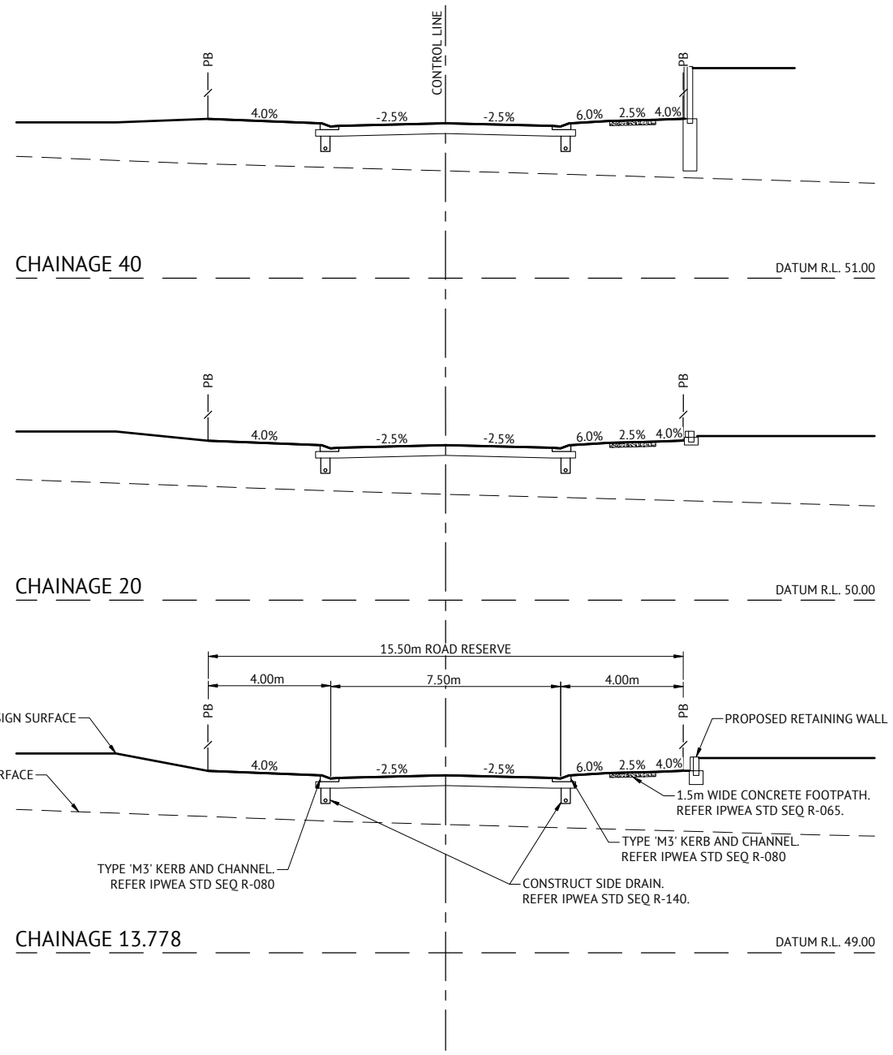


DATUM R.L.47.0

CUT (-)/FILL DEPTH		2.064	1.927	1.746	1.597	1.604	1.552	1.536	
LHS LIP LEVEL		*			54.859	54.969	55.964	56.102	
RHS LIP LEVEL		*			54.859	54.969	55.964	56.102	
DESIGN SURFACE		54.866	54.773	54.714	54.946	55.056	56.051	56.189	
NATURAL SURFACE	52.802	52.803	52.846	52.968	53.349	53.452	54.499	54.652	
CHAINAGE	0.00	0.03	3.78	8.46	17.78	20.00	40.00	42.78	

ROAD 119 LONGITUDINAL SECTION

SCALE 1:1000(H) 1:100(V)



ROAD 119 CROSS SECTION

SCALE 1:100

FOR CONSTRUCTION

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SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
0 2 4 6m
VERTICAL 1:100 (A1)
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

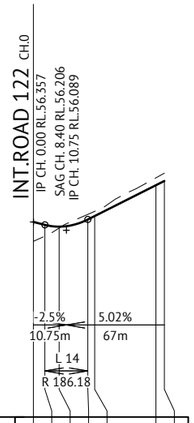
CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROAD 119 LONG AND CROSS SECTIONS

JOB CODE MIR-0802
SHEET NUMBER C312
REV B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 120 (CH.0.00-CH.42.75)
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90 x 10^5
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.

✳ REFER TO INTERSECTION DETAILS PLANS

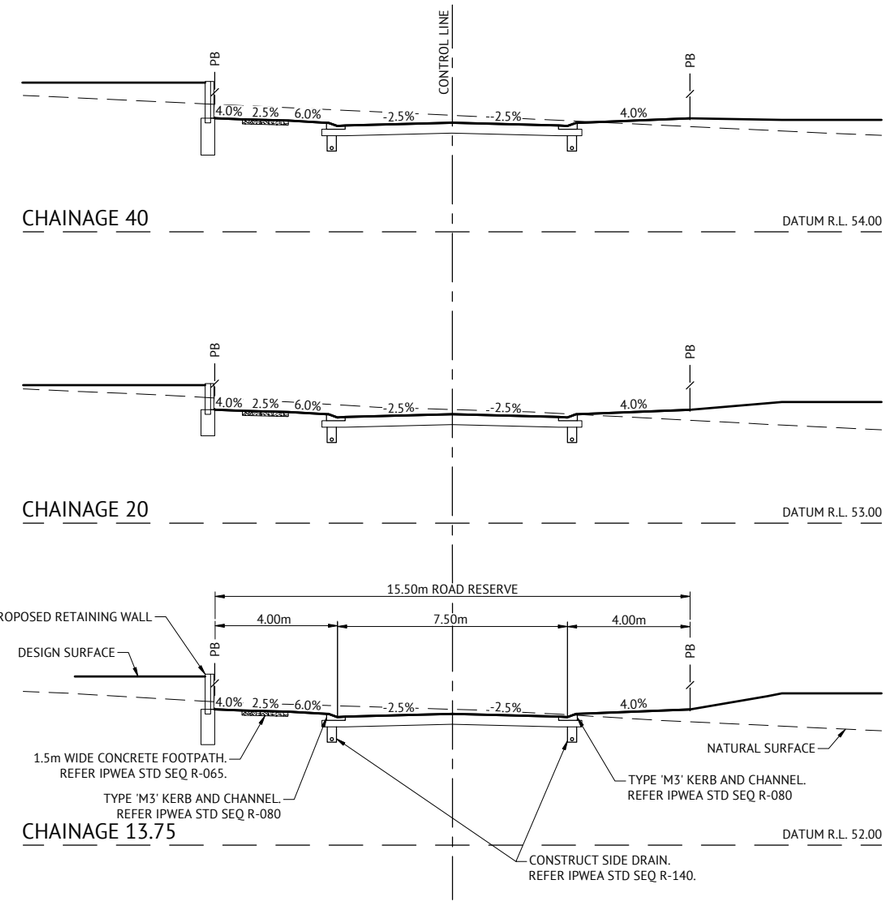


DATUM R.L.50.0

CHAINAGE	0.00	3.75	8.40	17.75	20.00	40.00	42.75
NATURAL SURFACE		55.897	56.161	56.607	56.706	57.799	57.951
DESIGN SURFACE	56.357	56.264	56.206	56.440	56.553	57.557	57.695
RHS LIP LEVEL	✳			56.353	56.466	57.470	57.608
LHS LIP LEVEL	✳			56.353	56.466	57.470	57.608
CUT (-)/FILL DEPTH		0.367	0.045	-0.167	-0.152	-0.242	-0.255

ROAD 120 LONGITUDINAL SECTION

SCALE 1:1000(H) 1:100(V)



ROAD 120 CROSS SECTIONS

SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

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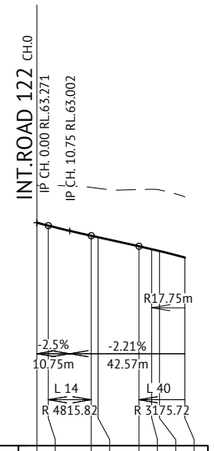
SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
0 2 4 6m
VERTICAL 1:100 (A1)
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROAD 120 LONG AND CROSS SECTIONS

JOB CODE MIR-0802
SHEET NUMBER C313
REV B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 121 (CH.0.00-CH.48.30)
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90 x 10^5
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.



Horiz Curve Data

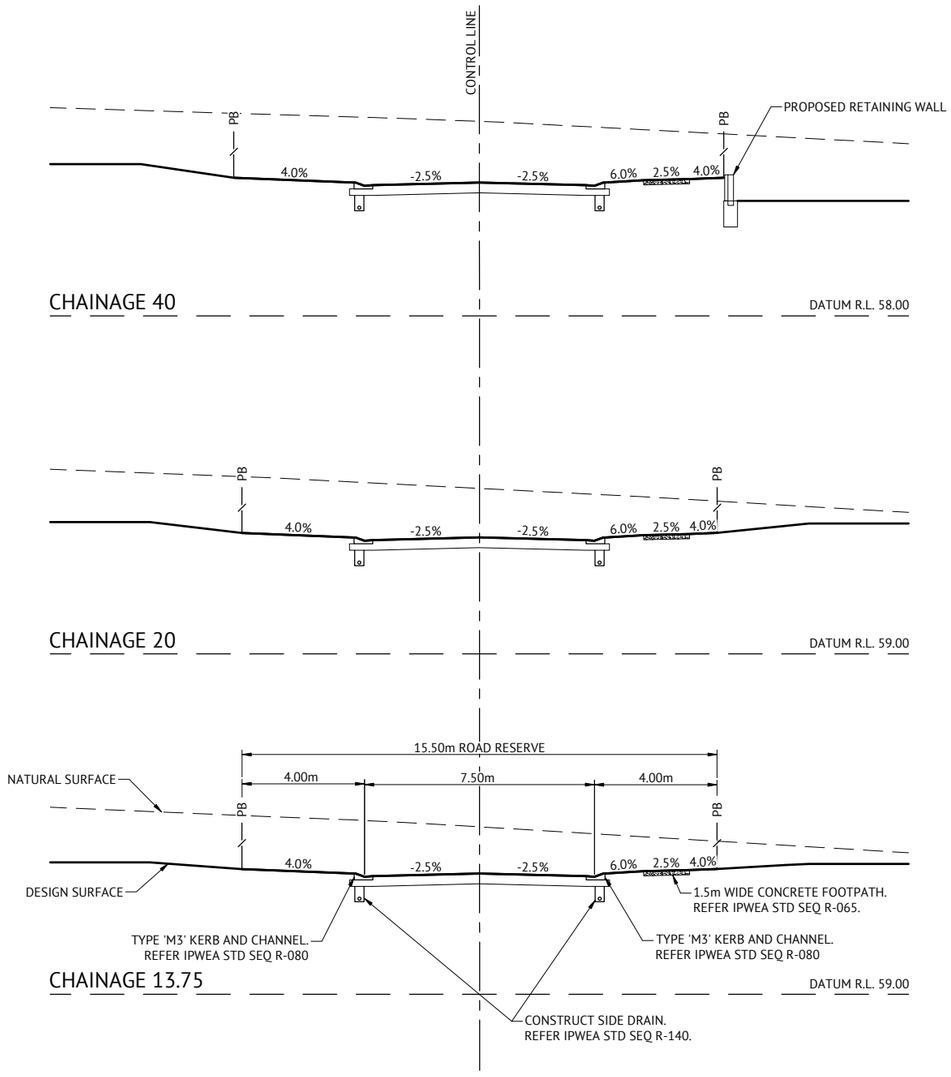
Vertical Geometry Grade (%)
Vertical Grade Length (m)

Vertical Curve Length (m)
Vertical Curve Radius (m)

DATUM R.L.56.0

CUT (-)/FILL DEPTH	-1.219	-1.308	-1.576	-1.598	-1.849	-1.954	-1.993	-1.981		
LHS LIP LEVEL	*		62.760	62.711	62.416	62.322	62.262	62.050		
RHS LIP LEVEL	*		62.760	62.711	62.416	62.322	62.262	62.050		
DESIGN SURFACE	63.271	63.177	62.847	62.798	62.503	62.409	62.349	62.137		
NATURAL SURFACE	64.489	64.485	64.424	64.395	64.352	64.363	64.342	64.118		
CHAINAGE	0.00	3.75	17.75	20.00	33.32	37.46	40.00	48.30		

ROAD 121 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)



ROAD 121 CROSS SECTION
SCALE 1:100

FOR CONSTRUCTION

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PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
VERTICAL 1:100 (A1)
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROAD 121 LONG AND CROSS SECTIONS

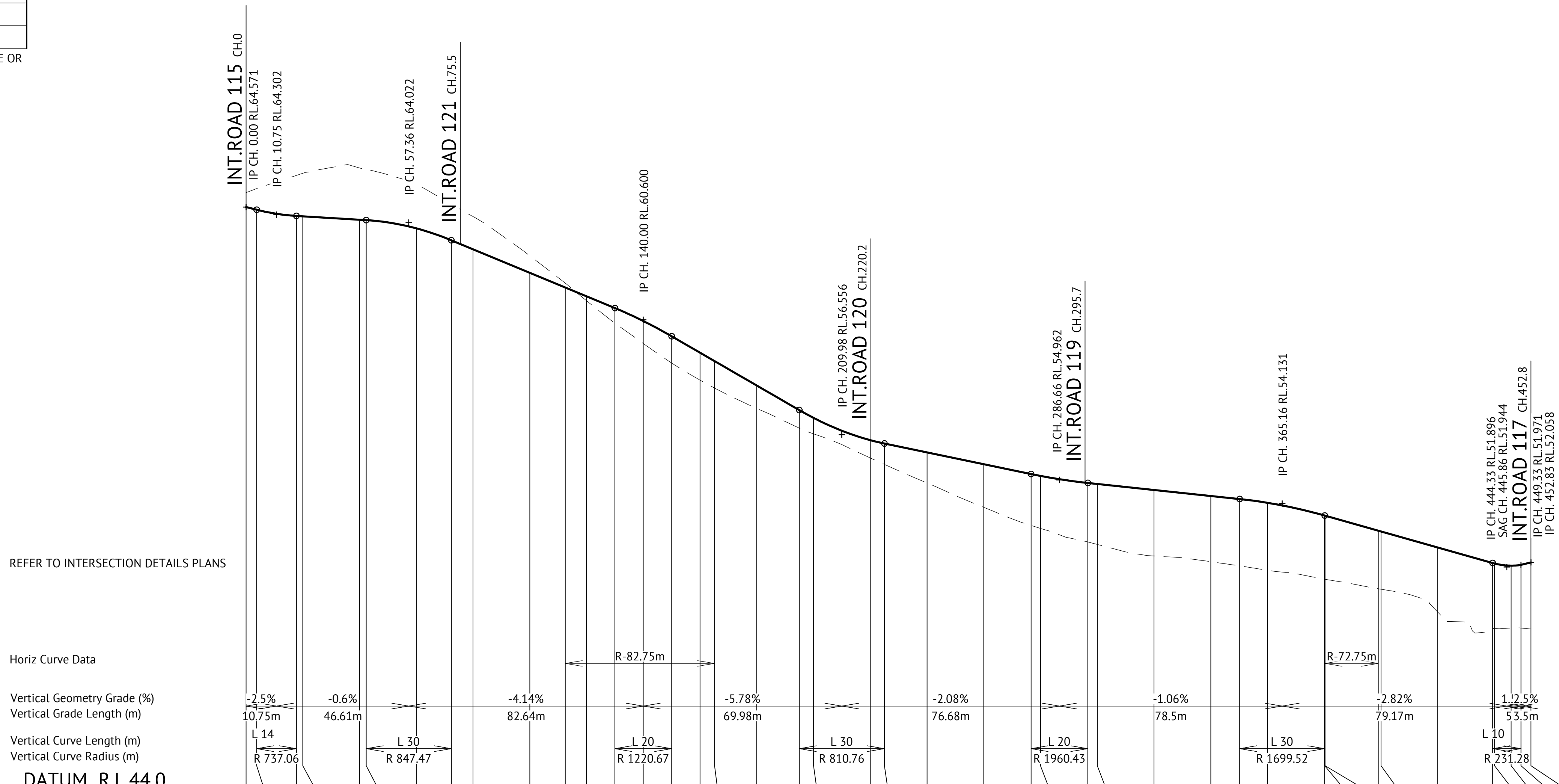
JOB CODE MIR-0802
SHEET NUMBER C314
REV B

PAVEMENT DESIGN (PRELIMINARY)

ROADS	-	ROAD 122 (CH.0.00-CH.452.83)
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90 x 10^5
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.

* REFER TO INTERSECTION DETAILS PLANS



DATUM R.L.44.0

CHAINAGE	CUT (-)/FILL DEPTH	LHS LIP LEVEL	RHS LIP LEVEL	DESIGN SURFACE	NATURAL SURFACE
0.00	-0.507	*	*	64.571	65.078
3.75	-0.745			64.477	65.221
17.75	-1.427	64.173	64.173	64.260	65.687
20.00	-1.514	64.159	64.159	64.246	65.760
40.00	-1.820	64.039	64.039	64.126	65.946
42.36	-1.780	64.025	64.025	64.112	65.892
60.00	-1.540	63.735	63.735	63.822	65.363
72.36	-1.268	*	63.314	63.401	64.669
80.00	-1.155		62.997	63.084	64.239
100.00	-0.600	62.169	62.169	62.256	62.857
112.52	-0.154	61.651	61.651	61.738	61.892
120.00	0.157	61.341	61.341	61.428	61.272
130.00	0.530	60.927	60.927	61.014	60.484
140.00	0.792	60.472	60.472	60.559	59.767
150.00	0.944	59.935	59.935	60.022	59.078
160.00	0.970	59.357	59.357	59.444	58.475
165.13	0.950	59.061	59.061	59.148	58.198
180.00	0.810	58.201	58.201	58.288	57.478
194.98	0.636	57.336	57.336	57.423	56.787
200.00	0.562	57.061	57.061	57.148	56.586
220.00	0.625	*	56.276	56.363	55.738
224.98	0.734		56.157	56.244	55.510
240.00	1.077	55.845	55.845	55.932	54.855
260.00	1.518	55.429	55.429	55.516	53.998
276.66	1.810	55.083	55.083	55.170	53.360
280.00	1.850	55.016	55.016	55.103	53.254
296.66	2.078	*	54.774	54.856	52.778
300.00	2.130		54.738	54.821	52.691
320.00	2.326	54.522	54.522	54.609	52.283
340.00	2.313	54.310	54.310	54.397	52.084
350.16	2.352	54.203	54.203	54.290	51.938
360.00	2.375	54.070	54.070	54.157	51.782
380.00	2.243	53.625	53.625	53.712	51.469
380.16	2.241	53.620	53.620	53.707	51.466
380.28	2.240	53.617	53.617	53.704	51.464
399.03	2.043	53.088	53.088	53.175	51.132
400.00	2.031	53.060	53.060	53.147	51.116
420.00	2.275	52.496	52.496	52.583	50.307
439.33	2.355	*	*	52.037	49.681
440.00	2.288			52.019	49.730
445.86	2.197			51.944	49.747
449.33	2.224			51.971	49.747
452.83				52.058	

ROAD 122 LONGITUDINAL SECTION

SCALE 1:1000(H) 1:100(V)

FOR CONSTRUCTION

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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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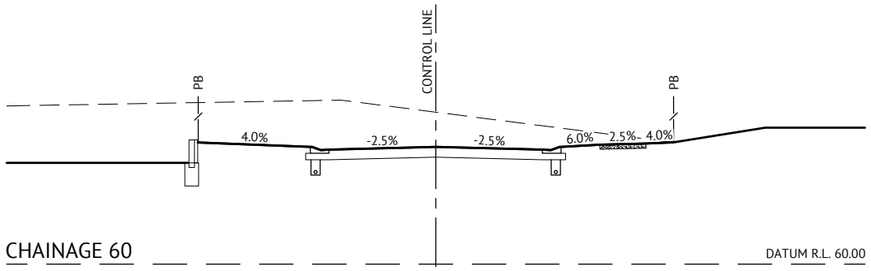
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

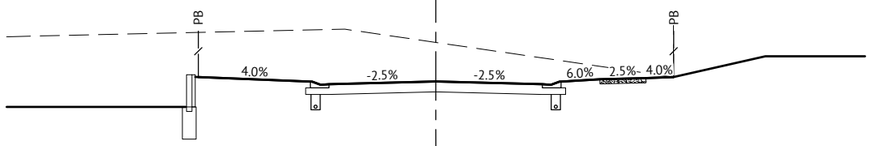
SCALE
HORIZONTAL 1:1000 (A1) 0 20 40 60m
VERTICAL 1:100 (A1) 0 2 4 6m
SCALE 1:100 (A1) 0 2 4 6m
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: ROAD 122 LONG SECTION

JOB CODE: MIR-0802
SHEET NUMBER: C315
REV: B

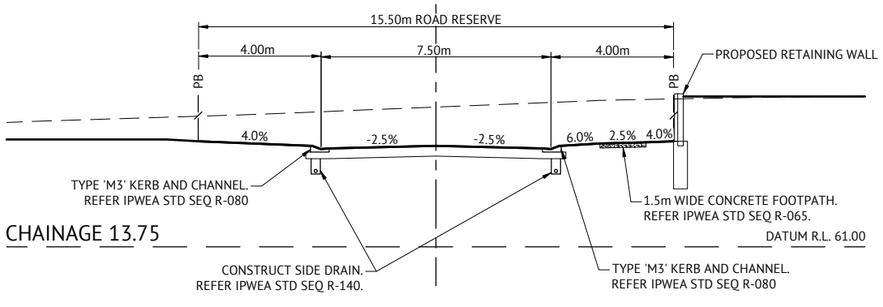


CHAINAGE 60 — DATUM R.L. 60.00

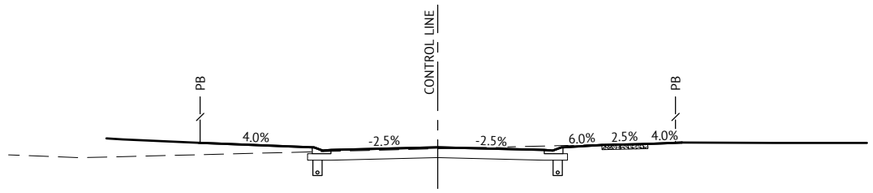


CHAINAGE 40 — DATUM R.L. 60.00

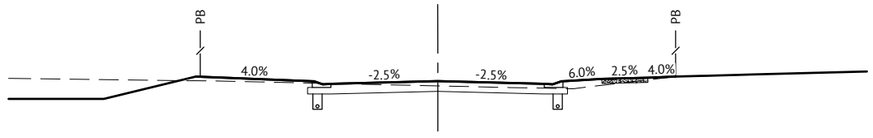
CHAINAGE 20 — DATUM R.L. 61.00



CHAINAGE 13.75 — DATUM R.L. 61.00

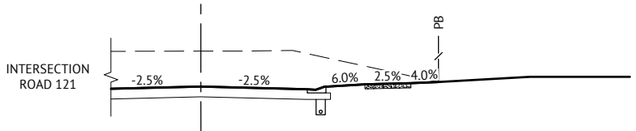


CHAINAGE 140 — DATUM R.L. 56.00



CHAINAGE 120 — DATUM R.L. 57.00

CHAINAGE 100 — DATUM R.L. 59.00



CHAINAGE 80 — DATUM R.L. 59.00

ROAD 122 CROSS SECTIONS

SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

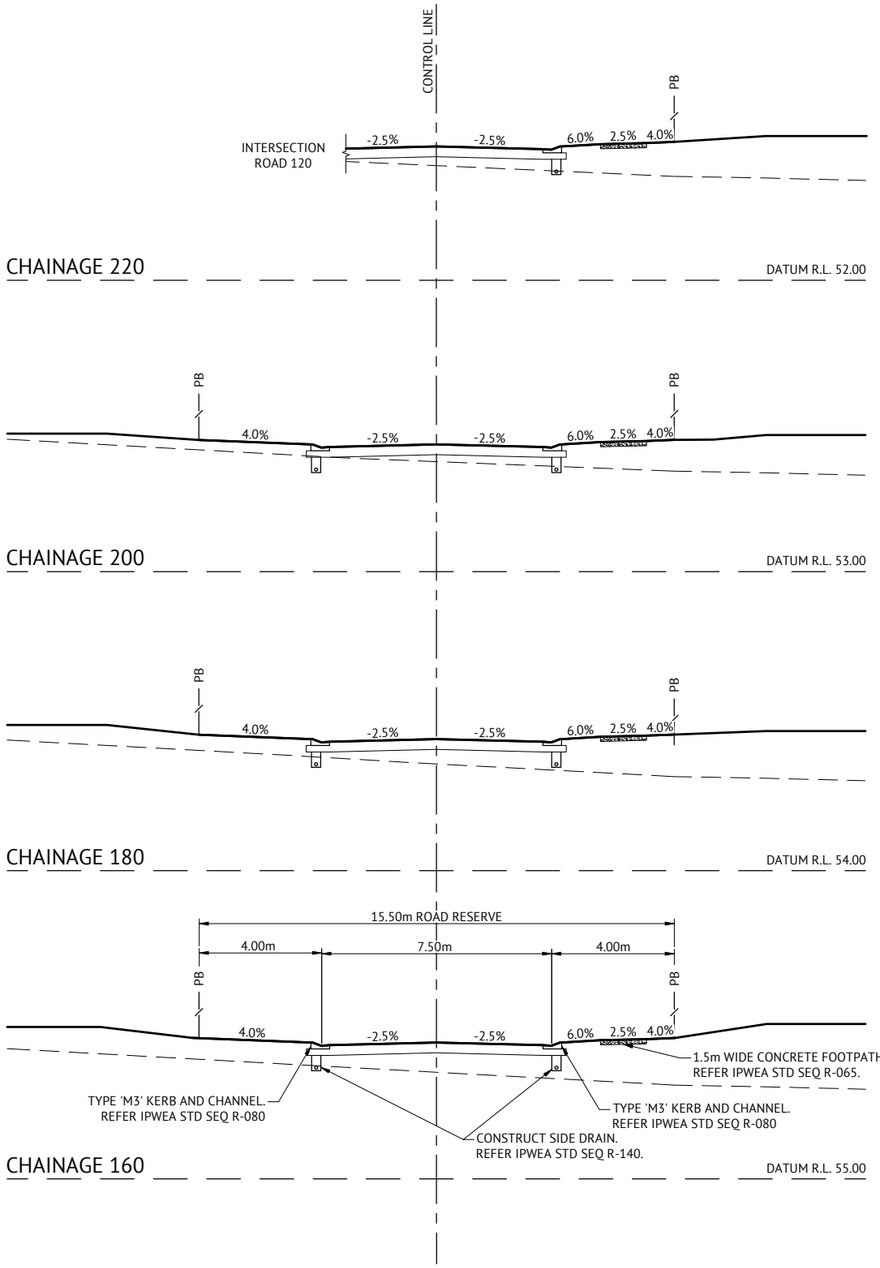
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

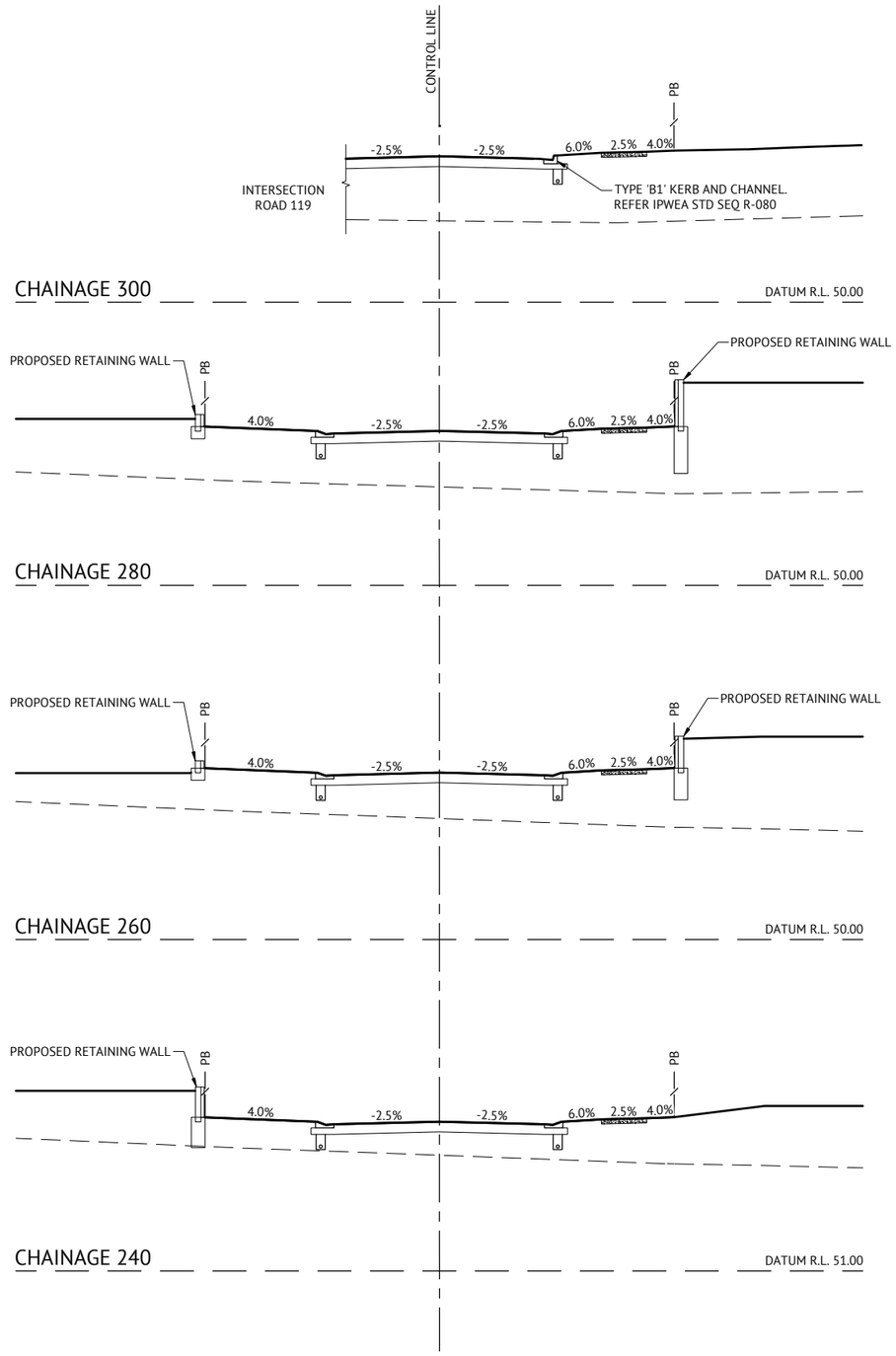
DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
VERTICAL 1:100 (A1)
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROAD 122 CROSS SECTIONS - SHEET 1

JOB CODE MIR-0802
SHEET NUMBER C316
REV B





ROAD 122 CROSS SECTIONS

SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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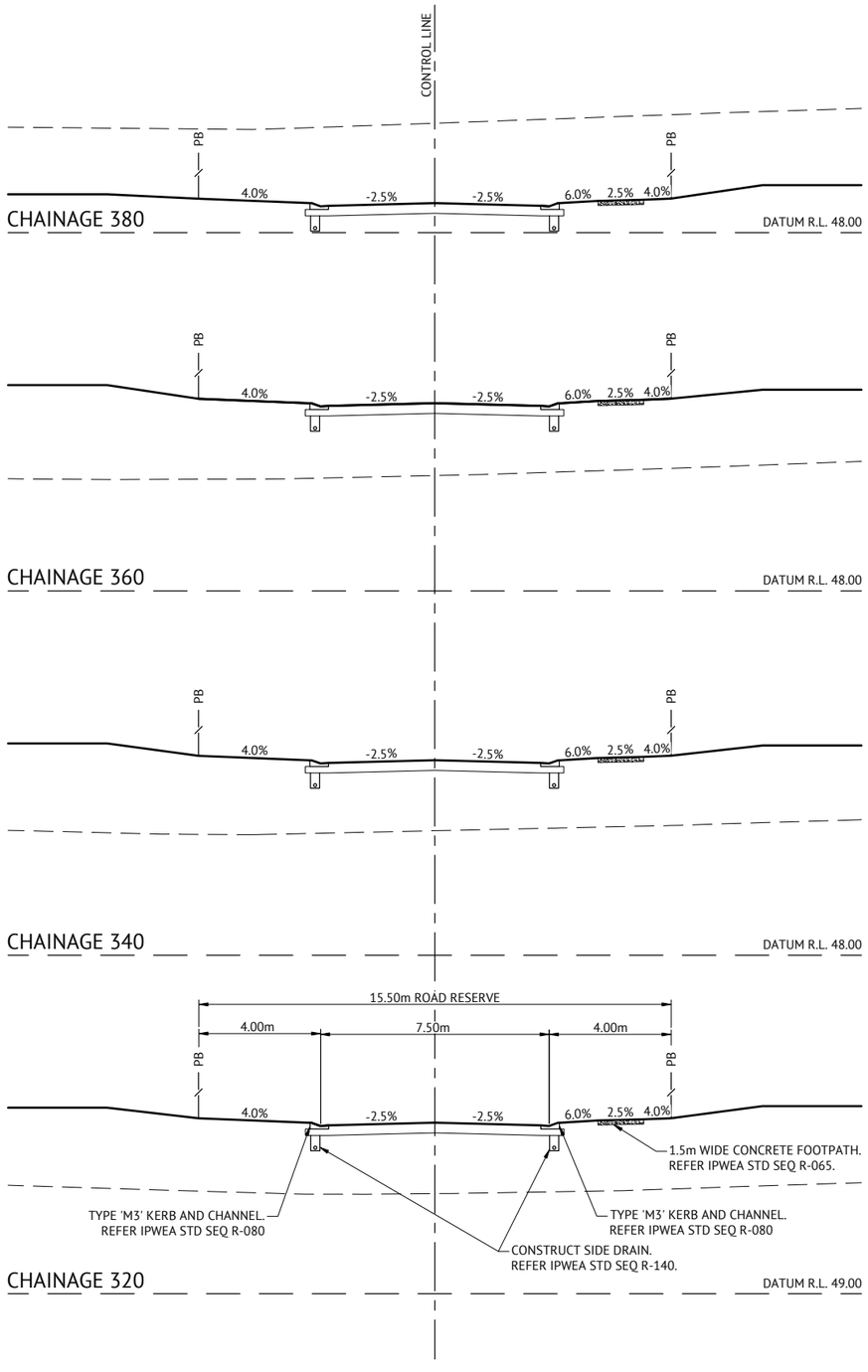
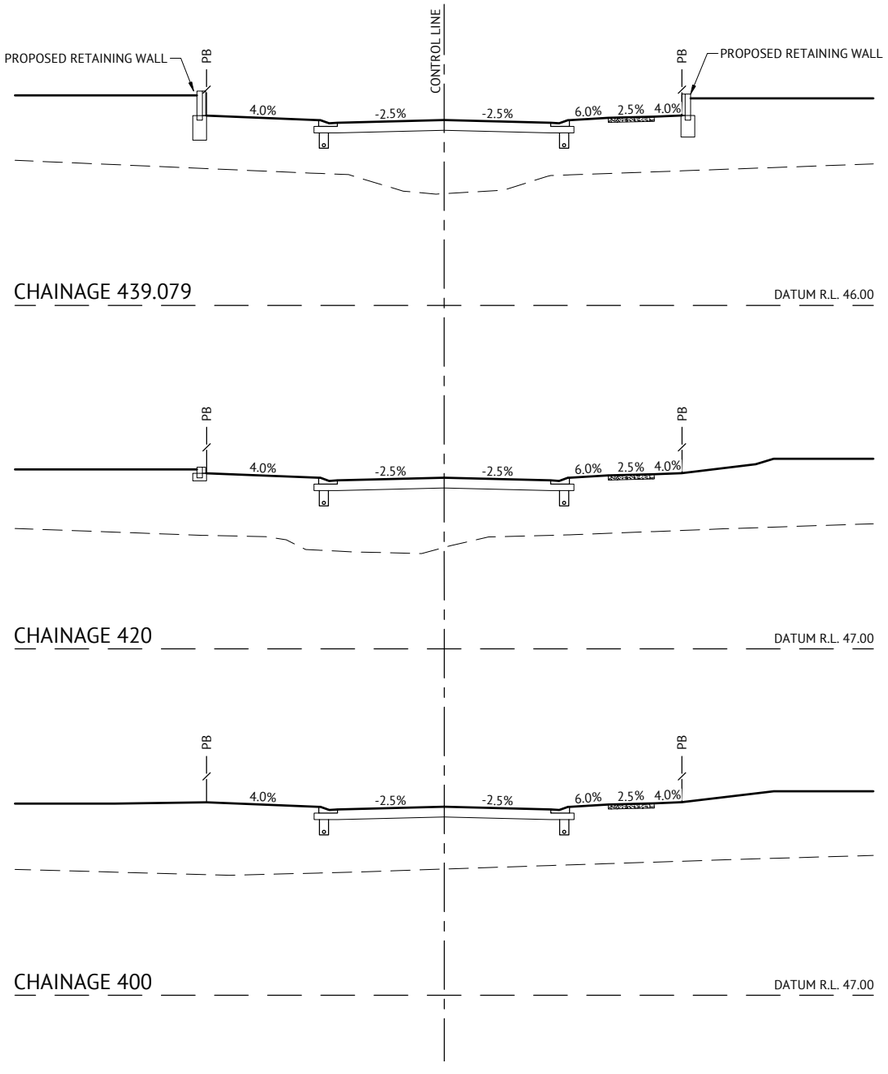
DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:1000 (A1) 0 20 40 60m
VERTICAL 1:100 (A1) 0 2 4 6m
SCALE 1:100 (A1) 0 2 4 6m
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: ROAD 122 CROSS SECTIONS - SHEET 2

JOB CODE: MIR-0802
SHEET NUMBER: C317
REV: B





ROAD 122 CROSS SECTIONS

SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
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PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

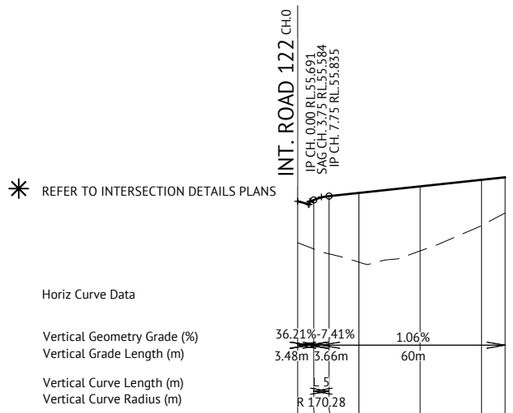
SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
VERTICAL 1:100 (A1)
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: ROAD 122 CROSS SECTIONS - SHEET 3

JOB CODE: MIR-0802
SHEET NUMBER: C318
REV: B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	DRIVEWAY 10
CLASS	-	REAR ACCESS DRIVEWAY
ESA's	-	1.1×10^5
SURFACE	-	150mm CONCRETE PAVEMENT + SL82
CBR 45	-	100mm
TOTAL BOX	-	250mm

CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION. ASSUMED CBR 10 SUBGRADE PRIOR TO TESTING.

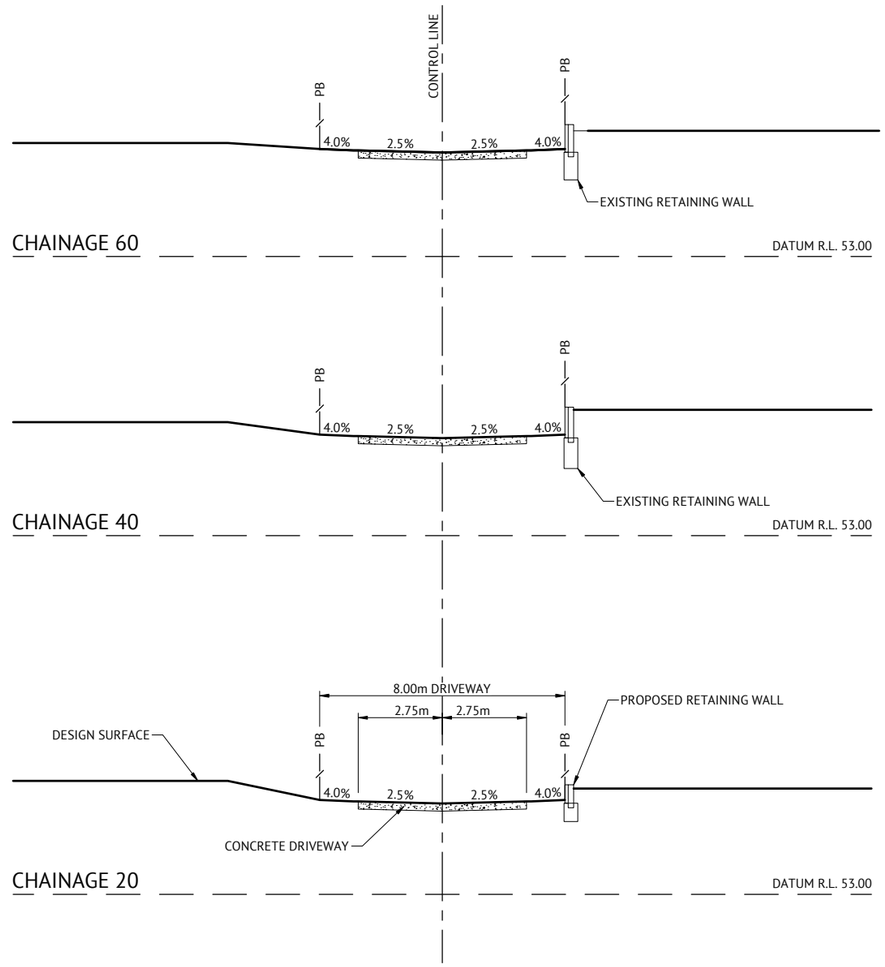


DATUM R.L.48.0

CHAINAGE	0.00	5.25	10.25	20.00	40.00	60.00	67.72
CUT (-)/FILL DEPTH	1.350	1.593	1.883	2.259	2.105	1.485	1.162
LHS LIP LEVEL	*		55.930	56.034	56.247	56.460	*
RHS LIP LEVEL	*		55.930	56.034	56.247	56.460	*
DESIGN SURFACE	55.691	55.735	55.862	55.965	56.178	56.391	56.473
NATURAL SURFACE	54.340	54.142	53.979	53.707	54.074	54.906	55.311

DWAY 10 LONGITUDINAL SECTION

SCALE 1:1000(H) 1:100(V)



DWAY 10 CROSS SECTIONS

SCALE 1:100

FOR CONSTRUCTION

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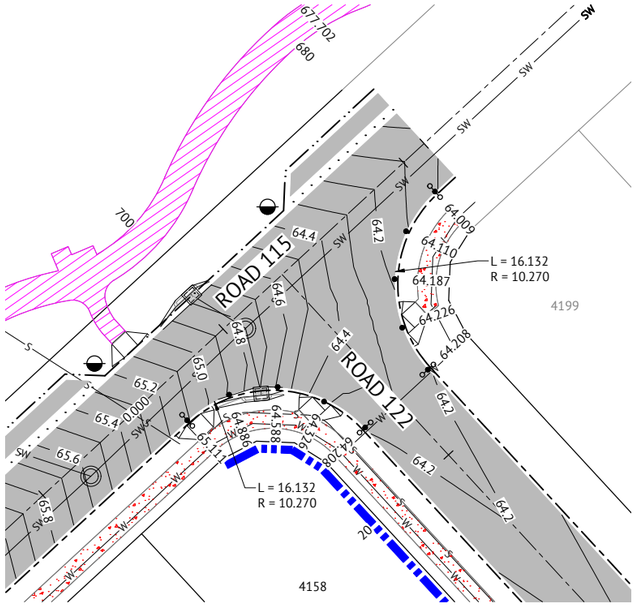
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
VERTICAL 1:100 (A1)
0 2 4 6m
ORIGINAL SHEET SIZE A1

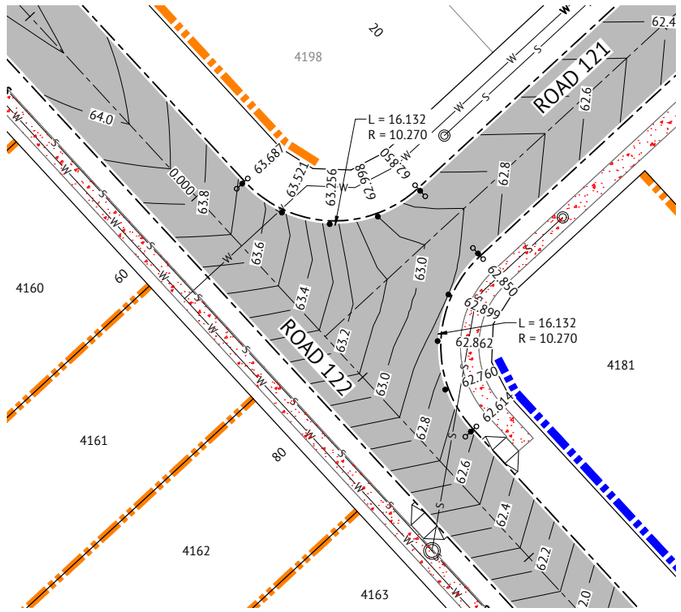
CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE DRIVEWAY 10 LONG SECTION AND CROSS SECTIONS

JOB CODE MIR-0802
SHEET NUMBER C319
REV B



INTERSECTION ROAD 115 AND ROAD 122

SCALE 1:250



INTERSECTION ROAD 121 AND ROAD 122

SCALE 1:250

LEGEND - PROPOSED

- PAVEMENT (ASPHALT)
- PAVEMENT (CONCRETE)
- PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'B2' KERB. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'ER1' EDGE RESTRAINT. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'INV' CHANNEL. REFER IPWEA STD DWG RS-080.
- 58.0 FINISHED MAJOR CONTOURS (0.20m)
- FINISHED MINOR CONTOURS (0.10m)
- PROPOSED 1.5m WIDE CONCRETE FOOTPATH. (UNO) REFER CONC. REQUIREMENTS ON DRG. No. C300
- PROPOSED CONCRETE LANDSCAPING FOOTPATH. REFER LANDSCAPING DRAWINGS FOR DETAILS.
- PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
- 61.748 LIP OF KERB LEVEL
- TRANSITION IN KERB AND CHANNEL TYPE
- SW PROPOSED STORMWATER
- S PROPOSED SEWER
- W PROPOSED WATER
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED TERRACE LOT FRONTING PARK RETAINING WALL BY OTHERS

LEGEND - CONSTRUCTED

- SW EXISTING STORMWATER
- S EXISTING SEWER
- W EXISTING WATER
- E EXISTING ELECTRICAL
- T EXISTING TELSTRA
- G EXISTING GAS

NOTE

LEVELS AND SETOUT INFORMATION FOR KERB AND CHANNEL CONSTRUCTION IS GIVEN TO LIP OF KERB.

FOR CONSTRUCTION

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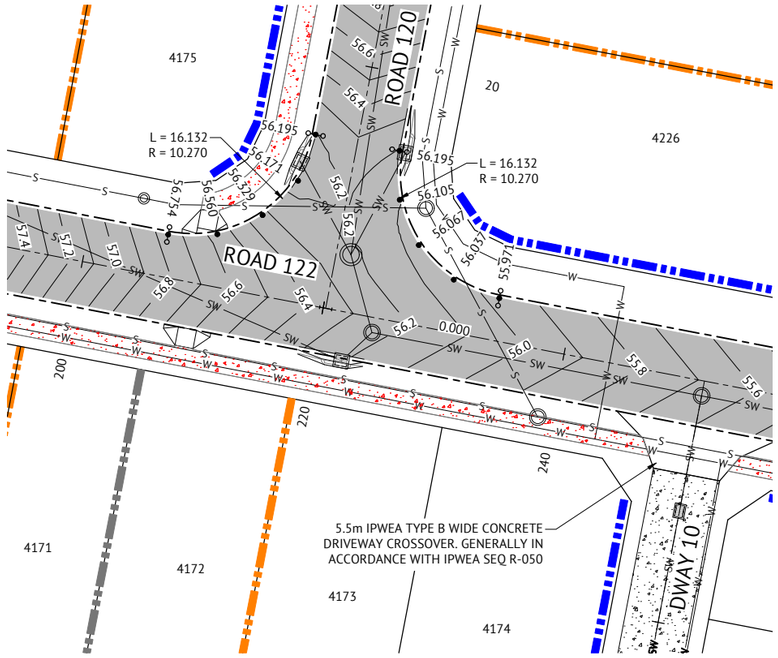
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 5 10 15m
SCALE 1:250 (A1)
ORIGINAL SHEET SIZE A1

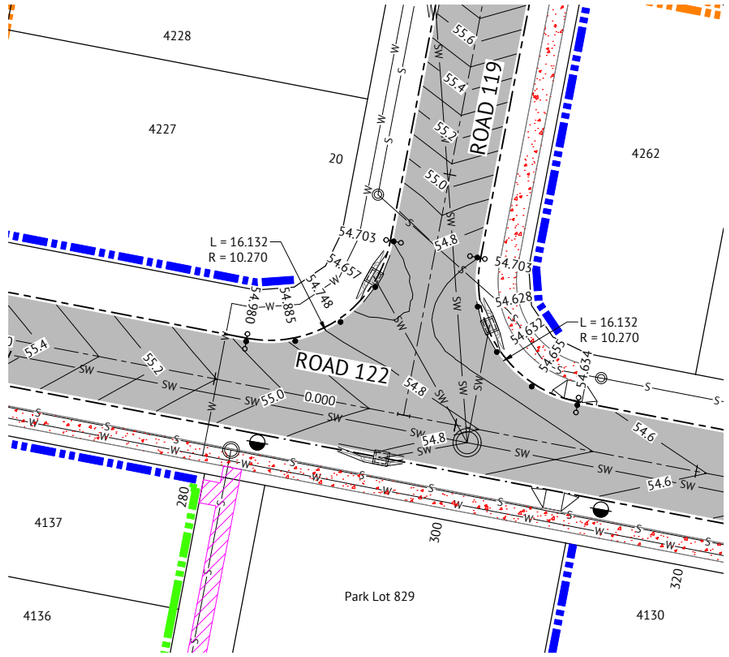
CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE INTERSECTION DETAILS LAYOUT - SHEET 1

JOB CODE MIR-0802
SHEET NUMBER C320
REV B



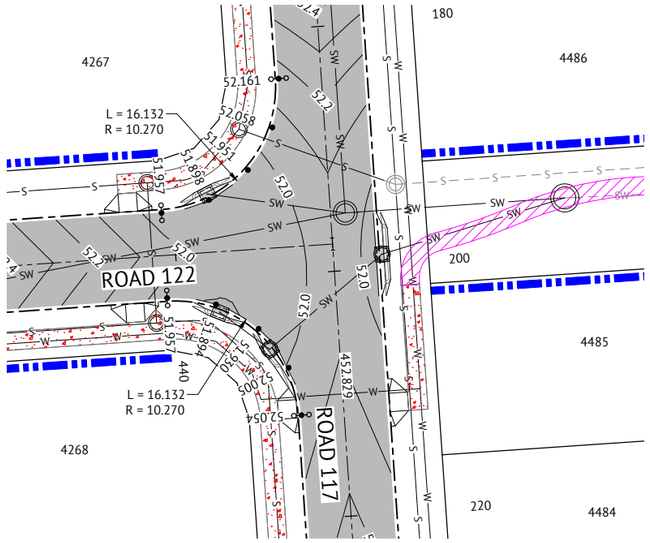
INTERSECTION ROAD 122 AND ROAD 120

SCALE 1:250



INTERSECTION ROAD 122 AND ROAD 119

SCALE 1:250



INTERSECTION ROAD 122 AND ROAD 117

SCALE 1:250

LEGEND - PROPOSED

- PAVEMENT (ASPHALT)
- PAVEMENT (CONCRETE)
- PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'B2' KERB. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'ER1' EDGE RESTRAINT. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'INV' CHANNEL. REFER IPWEA STD DWG RS-080.
- 58.0 FINISHED MAJOR CONTOURS (0.20m)
- FINISHED MINOR CONTOURS (0.10m)
- PROPOSED 1.5m WIDE CONCRETE FOOTPATH. (UNO) REFER CONC. REQUIREMENTS ON DRG. No. C300
- PROPOSED CONCRETE LANDSCAPING FOOTPATH. REFER LANDSCAPING DRAWINGS FOR DETAILS.
- PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
- 61.748 LIP OF KERB LEVEL
- TRANSITION IN KERB AND CHANNEL TYPE
- SW PROPOSED STORMWATER
- S PROPOSED SEWER
- W PROPOSED WATER
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED TERRACE LOT FRONTING PARK RETAINING WALL BY OTHERS

LEGEND - CONSTRUCTED

- SW EXISTING STORMWATER
- S EXISTING SEWER
- W EXISTING WATER
- E EXISTING ELECTRICAL
- T EXISTING TELSTRA
- G EXISTING GAS

NOTE

LEVELS AND SETOUT INFORMATION FOR KERB AND CHANNEL CONSTRUCTION IS GIVEN TO LIP OF KERB.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
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REVISIONS

Premise
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DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 5 10 15m
SCALE 1:250 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE INTERSECTION DETAILS LAYOUT - SHEET 2

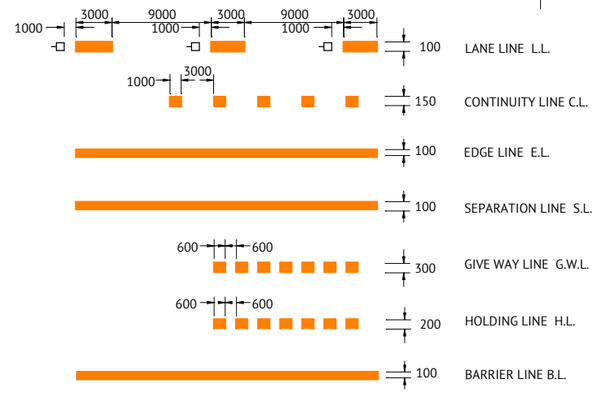
JOB CODE MIR-0802
SHEET NUMBER C321
REV B

PAVEMENT MARKINGS AND SIGNAGE LAYOUT PLAN

SCALE 1:500

TYPICAL LINEMARKING LEGEND

N.T.S.



LINEMARKING NOTES

1. PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD, QUEENSLAND DEPARTMENT OF MAIN ROADS) AND THE SPECIFIC REQUIREMENTS OF REFERENCE SPECIFICATION S150 ROADWORKS. BRISBANE CITY COUNCILS SPECIFIC REQUIREMENTS ARE DETAILED ON STANDARD DRAWINGS BSD-3151 TO BDS-3163.
2. ALL INTERNAL LINE MARKING TO CONSIST OF LINES 100mm WIDE WITH 2 COATS OF PAINT TO MANUFACTURERS SPECIFICATIONS.
3. EXTENT OF LINEMARKING SHALL BE VERIFIED ON SITE PRIOR TO INSTALLATION.
4. ALL PAINTED MARKINGS SHALL BE APPROVED REFLECTORISED U.N.O.
5. ANY EXISTING LINE MARKINGS DAMAGED BY THE PROPOSED WORKS ARE TO BE REINSTATED.
6. EXISTING CONFLICTING LINE MARKINGS ARE TO BE GROUND OFF BY METHODS APPROVED BY THE DISTRICT ENGINEER.
7. RETRO-REFLECTIVE RAISED PAVEMENT MARKERS (RRPM's) SHALL BE PLACED 25mm TO 50mm FROM THE PAINTED LINEMARKING AND ORIENTATED SO THAT FULL REFLECTIVE EFFECT IS ACHIEVED BY AIMING THE REFLECTIVE FACE IN THE DIRECTION OF APPROACHING TRAFFIC.
8. GENERALLY THE NORMAL SPACING BETWEEN RRPM's IS TO BE 12.0m U.N.O.
9. ANY EXISTING LINEMARKING NOT SHOWN ON THIS PLAN WHICH CONFLICTS OR IS INCOMPATIBLE WITH THE PROPOSED LINEMARKING SHALL BE REMOVED BY THE CONTRACTOR.
10. NOSE OF ISLANDS TO BE PAINTED WHITE WITH GLASS BEADS.
11. ALL STREET LIGHTING IN ACCORDANCE WITH AS1158.

SIGNAGE NOTES

1. LOCATION OF SIGNS SHOWN INDICATED ON THIS PLAN ARE INDICATIVE ONLY. CARE AND CONSIDERATION IS TO BE GIVEN TO ON SITE CONDITIONS
   TO AVOID ANY VISUAL OBSTRUCTION OF THE SIGN ALONG THE INTENDED COURSE OF APPROACHING TRAFFIC. EXACT LOCATION OF ALL SIGNS SHALL BE CONFIRMED ON SITE PRIOR TO INSTALLATION.
2. SIGNS SHOULD BE ORIENTATED AT APPROXIMATELY RIGHT ANGLES TO, AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE.
3. SIGNAGE SHALL BE IN ACCORDANCE WITH:
   - AS1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
   - AS1743 ROAD SIGNS SPECIFICATION
   - AS4049.1 PAVEMENT MARKING MATERIALS
4. STREET NAME SIGNS ARE TO BE INSTALLED WITH THE RELEVANT HOUSE NUMBERS IN ACCORDANCE WITH THE RELEVANT LOCAL COUNCIL STANDARD DRAWINGS.

REQUIRED SIGNS

R1-2A

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE: 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: PAVEMENT MARKINGS AND SIGNAGE LAYOUT PLAN - SHEET 1

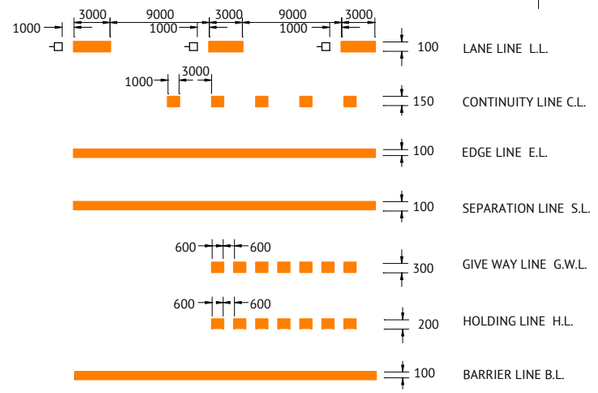
JOB CODE: MIR-0802
SHEET NUMBER: C330
REV: B

PAVEMENT MARKINGS AND SIGNAGE LAYOUT PLAN

SCALE 1:500

TYPICAL LINEMARKING LEGEND

N.T.S.



LINEMARKING NOTES

1. PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD, QUEENSLAND DEPARTMENT OF MAIN ROADS) AND THE SPECIFIC REQUIREMENTS OF REFERENCE SPECIFICATION S150 ROADWORKS. BRISBANE CITY COUNCILS SPECIFIC REQUIREMENTS ARE DETAILED ON STANDARD DRAWINGS BSD-3151 TO BDS-3163.
2. ALL INTERNAL LINE MARKING TO CONSIST OF LINES 100mm WIDE WITH 2 COATS OF PAINT TO MANUFACTURERS SPECIFICATIONS.
3. EXTENT OF LINEMARKING SHALL BE VERIFIED ON SITE PRIOR TO INSTALLATION.
4. ALL PAINTED MARKINGS SHALL BE APPROVED REFLECTORISED U.N.O.
5. ANY EXISTING LINE MARKINGS DAMAGED BY THE PROPOSED WORKS ARE TO BE REINSTATED.
6. EXISTING CONFLICTING LINE MARKINGS ARE TO BE GROUND OFF BY METHODS APPROVED BY THE DISTRICT ENGINEER.
7. RETRO-REFLECTIVE RAISED PAVEMENT MARKERS (RRPM's) SHALL BE PLACED 25mm TO 50mm FROM THE PAINTED LINEMARKING AND ORIENTATED SO THAT FULL REFLECTIVE EFFECT IS ACHIEVED BY AIMING THE REFLECTIVE FACE IN THE DIRECTION OF APPROACHING TRAFFIC.
8. GENERALLY THE NORMAL SPACING BETWEEN RRPM's IS TO BE 12.0m U.N.O.
9. ANY EXISTING LINEMARKING NOT SHOWN ON THIS PLAN WHICH CONFLICTS OR IS INCOMPATIBLE WITH THE PROPOSED LINEMARKING SHALL BE REMOVED BY THE CONTRACTOR.
10. NOSE OF ISLANDS TO BE PAINTED WHITE WITH GLASS BEADS.
11. ALL STREET LIGHTING IN ACCORDANCE WITH AS1158.

SIGNAGE NOTES

1. LOCATION OF SIGNS SHOWN INDICATED ON THIS PLAN ARE INDICATIVE ONLY. CARE AND CONSIDERATION IS TO BE GIVEN TO ON SITE CONDITIONS
   TO AVOID ANY VISUAL OBSTRUCTION OF THE SIGN ALONG THE INTENDED COURSE OF APPROACHING TRAFFIC. EXACT LOCATION OF ALL SIGNS SHALL BE CONFIRMED ON SITE PRIOR TO INSTALLATION.
2. SIGNS SHOULD BE ORIENTATED AT APPROXIMATELY RIGHT ANGLES TO, AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE.
3. SIGNAGE SHALL BE IN ACCORDANCE WITH:
   - AS1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
   - AS1743 ROAD SIGNS SPECIFICATION
   - AS4049.1 PAVEMENT MARKING MATERIALS
4. STREET NAME SIGNS ARE TO BE INSTALLED WITH THE RELEVANT HOUSE NUMBERS IN ACCORDANCE WITH THE RELEVANT LOCAL COUNCIL STANDARD DRAWINGS.

REQUIRED SIGNS

R1-2A

FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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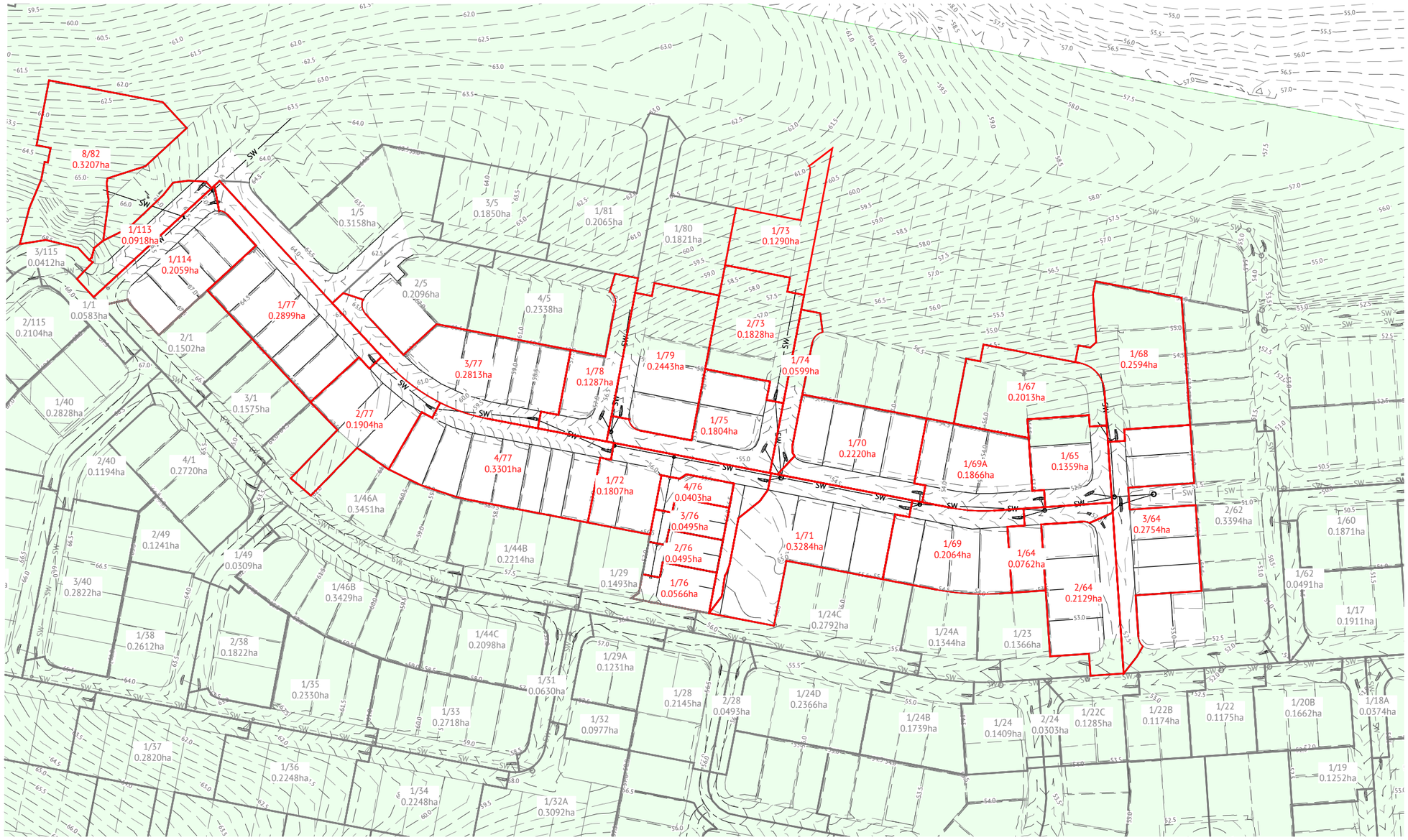
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE: 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: PAVEMENT MARKINGS AND SIGNAGE LAYOUT PLAN - SHEET 2

JOB CODE: MIR-0802
SHEET NUMBER: C331
REV: B



LEGEND

	STORMWATER CATCHMENT BOUNDARY
1/A 0.2311ha	STORMWATER CATCHMENT NUMBER AND AREA
SW	PROPOSED STORMWATER LINE
SW	CONSTRUCTED STORMWATER LINE
12.0	FINISHED CONTOURS (0.50m)
12.0	EXISTING CONTOURS (1.00m)

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

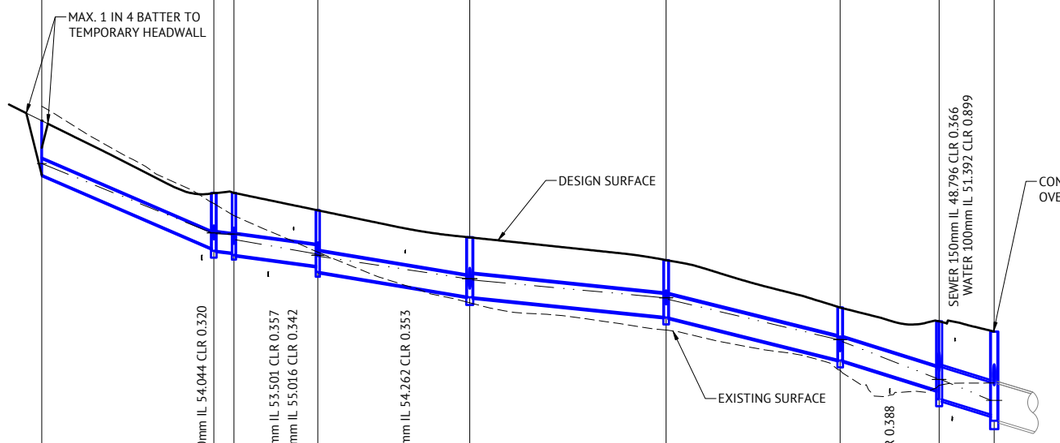
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

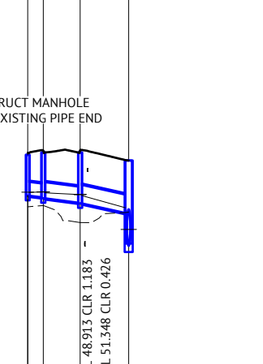
DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

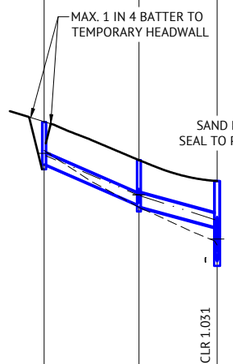
SCALE
0 20 40 60m
SCALE 1:1000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER CATCHMENT LAYOUT PLAN

JOB CODE: MIR-0802
SHEET NUMBER: C400
REV: B







STRUCTURE NAME	TE1/5	6/5	7/5	8/5	9/5	10/5	11/5	12/5	13/5	1/64	2/64	3/64	13/5	1/65	12/5	4/66	5/66	12/5	1/67	5/66
STRUCTURE DESCRIPTION	TEMPORARY HEADWALL	IPWEA MANHOLE 1350mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1800mm DIA	IPWEA MANHOLE 1350mm DIA	IPWEA MANHOLE 1350mm DIA	IPWEA MANHOLE 1500mm DIA	IPWEA MANHOLE 2100mm DIA	IPWEA KERB INLET (SAG) L.I.L; 2.4m Lintel	IPWEA KERB INLET L.I.L; 2.4m Lintel ON 1050mm DIA MANHOLE	IPWEA KERB INLET (SAG) L.I.L; 4.8m Lintel ON 1050mm DIA MANHOLE		IPWEA KERB INLET (SAG) L.I.L; 2.4m Lintel	IPWEA MANHOLE 1500mm DIA	TEMPORARY HEADWALL	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1500mm DIA	FUTURE IPWEA KERB INLET L.I.L; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA
PIPE SIZE (mm)		525	600	675	675	750	750	750	1050	450	525	600		375	375		375	450		375
PIPE CLASS		2	2	2	2	2	2	2	2	2	2	2		2	2		2	2		2
PIPE GRADE (%)		4.27%	1.00%	1.30%	1.61%	1.00%	2.43%	3.00%	2.78%	1.00%	1.20%	2.00%		1.00%			4.22%	2.59%		3.08%
PIPE SLOPE (1 in X)		23.4	100.0	76.9	62.0	100.0	41.1	33.3	36.0	100.0	83.3	50.0		100.0			23.7	38.7		32.4
FULL PIPE VELOCITY (m/s)		1.38	1.37	1.71	1.82	1.86	2.07	2.25	1.46	0.16		0.54		0.34			1.43	1.65		0.44
PART FULL VELOCITY (m/s)		3.70	2.30	2.84	3.13	2.76	3.98	4.40	4.50	1.10		2.31		1.26			3.15	2.98		2.03
PIPE FLOW (cumecs)		0.298	0.389	0.612	0.651	0.821	0.913	0.993	1.267	0.025	0.074			0.037			0.158	0.263		0.048
PIPE CAPACITY AT GRADE (cumecs)		0.889	0.614	0.959	1.068	1.114	1.737	1.929	4.551	0.285	0.471			0.175			0.360	0.459		0.308
DATUM RL	37.0									34.0				34.0		35.0			36.0	
WSE IN STRUCTURE	57.183	54.922	54.884	54.195	53.428	52.808	51.442	50.145	49.460	50.677	50.684	50.599	49.460	50.770	50.145	52.941	51.590	50.145	51.928	51.590
HGL IN PIPE	57.183	54.922	54.892	54.876	54.698	54.236	54.158	53.428	53.387	52.808	52.755	51.442	51.377	50.177	50.134	49.460	49.443	50.665	50.683	50.655	50.599	50.563	50.165	50.165	50.713	50.577	50.134	52.864	51.590	51.555	50.778	50.134	51.834	51.590	51.553
DEPTH OF INVERT BELOW FSL	1.767	1.806	1.881	1.953	2.028	1.815	2.015	1.932	1.952	1.848	1.868	1.704	1.724	2.244	2.544	1.711	1.711	1.333	1.460	1.493	1.637	1.657	1.711	1.711	1.324	1.580	2.544	1.388	1.453	1.528	1.505	2.544	1.349	1.368	1.528
INVERT LEVEL	56.812	54.416	54.341	54.275	54.200	53.844	53.644	52.845	52.825	52.184	52.164	50.783	50.763	49.795	49.495	50.312	49.995	50.559	50.508	50.476	50.332	50.312	49.995	49.995	50.574	50.459	49.495	52.571	51.268	51.193	50.534	49.495	51.675	51.353	51.193
FINISHED (& EXISTING) SURFACE LEVEL	58.580 (59.051)	56.221 (55.883)	56.228 (55.485)	55.659 (54.295)	54.777 (52.645)	54.032 (51.757)	52.487 (50.447)	52.039 (49.953)	51.706 (50.028)	51.892 (50.202)	51.969 (50.239)	51.969 (49.684)	51.706 (50.028)	51.898 (50.271)	52.039 (49.953)	53.959 (53.037)	52.721 (51.182)	52.039 (49.953)	53.024 (51.712)	52.721 (51.182)
CHAINAGE	0.000	56.105	62.679	90.052	139.608	205.673	260.453	292.727	310.694	0.000	5.085	17.087	32.931	0.000	11.519	0.000	30.911	56.399	0.000	10.440
LINE		5								64				65		66			67	

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

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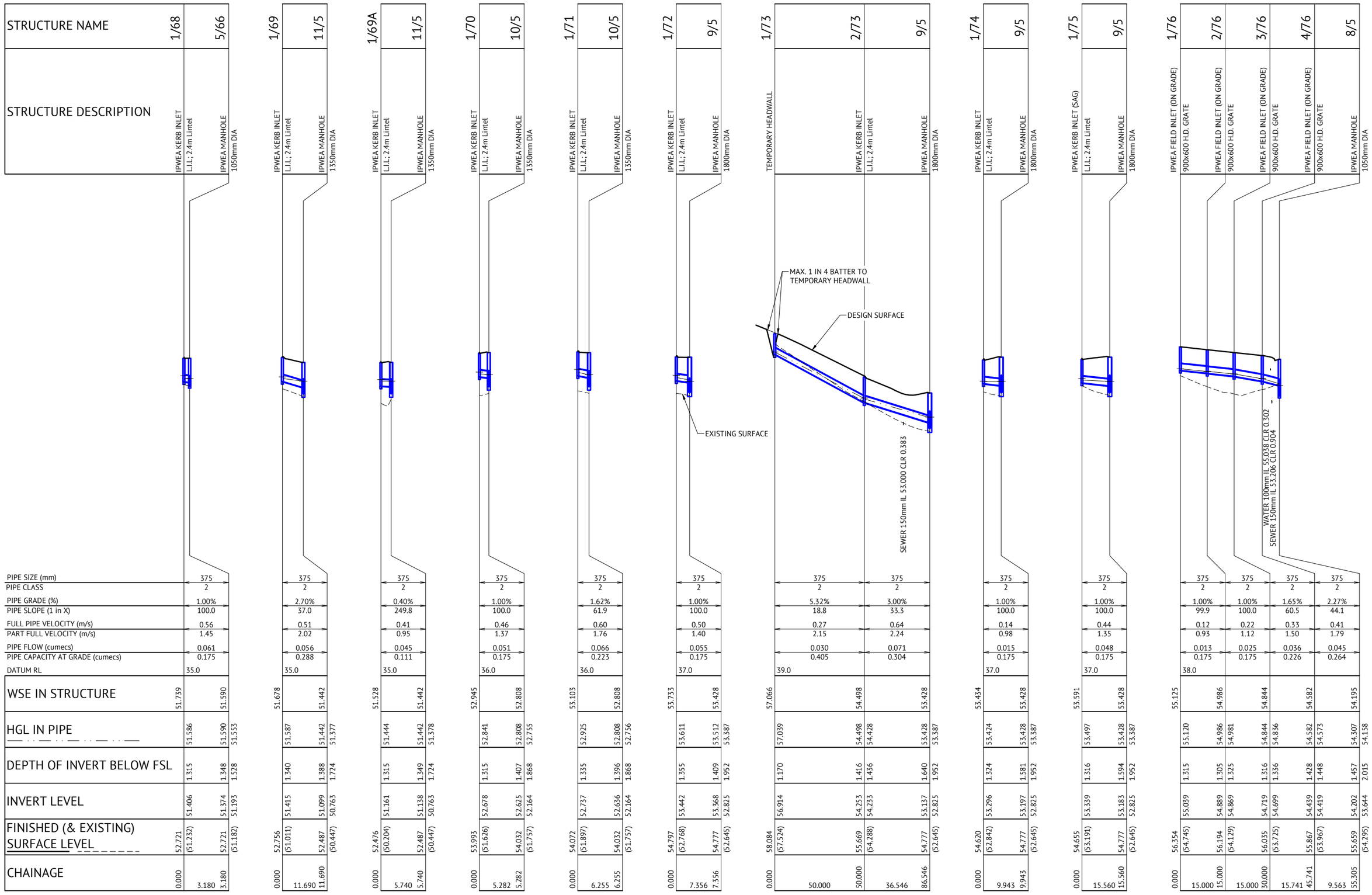
DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
VERTICAL 1:100 (A1)
0 2 4 6m
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE STORMWATER DRAINAGE LONG SECTIONS - SHEET 1

JOB CODE MIR-0802
SHEET NUMBER C410
REV B



		1/68		1/69		1/69A		1/70		1/71		1/72		1/73		1/74		1/75		1/76			
			5/66		11/5		11/5		10/5		10/5		9/5		2/73		9/5		9/5		2/76		3/76	4/76	8/5
PIPE SIZE (mm)			375		375		375		375		375		375		375		375		375		375		375	375	375
PIPE CLASS			2		2		2		2		2		2		2		2		2		2		2	2	2
PIPE GRADE (%)			1.00%		2.70%		0.40%		1.00%		1.62%		1.00%		5.32%		1.00%		1.00%		1.00%		1.00%	1.65%	2.27%
PIPE SLOPE (1 in X)			100.0		37.0		249.8		100.0		61.9		100.0		18.8		100.0		100.0		99.9		100.0	60.5	44.1
FULL PIPE VELOCITY (m/s)			0.56		0.51		0.41		0.46		0.60		0.50		0.27		0.14		0.44		0.12		0.22	0.33	0.41
PART FULL VELOCITY (m/s)			1.45		2.02		0.95		1.37		1.76		1.40		2.15		0.98		1.35		0.93		1.12	1.50	1.79
PIPE FLOW (cumecs)			0.061		0.056		0.045		0.051		0.066		0.055		0.030		0.015		0.048		0.013		0.025	0.036	0.045
PIPE CAPACITY AT GRADE (cumecs)			0.175		0.288		0.111		0.175		0.223		0.175		0.405		0.175		0.175		0.175		0.175	0.226	0.264
DATUM RL			35.0		35.0		35.0		36.0		36.0		37.0		39.0		37.0		37.0		38.0				
WSE IN STRUCTURE	51.739		51.590	51.678	51.442	51.528	51.442	52.945	52.808	53.103	52.808	53.733	53.428	57.066	54.498	53.434	53.428	53.591	53.428	55.125	54.986	54.844	54.582	54.195
HGL IN PIPE	51.586	51.590	51.553	51.587	51.442	51.444	51.442	52.841	52.808	52.925	52.808	53.611	53.512	57.039	54.498	53.424	53.428	53.497	53.428	55.120	54.986	54.981	54.844	54.836	54.582	54.573	54.307	54.158
DEPTH OF INVERT BELOW FSL	1.315	1.348	1.528	1.340	1.388	1.315	1.349	1.315	1.407	1.335	1.396	1.355	1.409	1.170	1.416	1.324	1.581	1.316	1.594	1.315	1.305	1.325	1.316	1.336	1.428	1.448	1.457	2.015
INVERT LEVEL	51.406	51.374	51.193	51.415	51.099	51.161	51.138	52.678	52.625	52.737	52.636	53.442	53.368	56.914	54.253	53.296	53.197	53.339	53.183	55.039	54.889	54.869	54.719	54.699	54.439	54.419	54.202	53.644
FINISHED (& EXISTING) SURFACE LEVEL	52.721	(51.232)	52.721	(51.011)	52.487	(50.204)	52.487	(51.626)	54.032	(51.897)	54.032	(52.768)	54.777	(57.524)	55.669	(52.842)	54.777	(53.191)	54.777	(54.745)	56.194	(54.129)	56.035	(53.725)	55.867	(53.967)	55.659	(54.295)
CHAINAGE	0.000	3.180	3.180	0.000	11.690	0.000	5.740	0.000	5.282	0.000	6.255	0.000	7.356	0.000	50.000	50.000	36.546	86.546	0.000	9.943	9.943	0.000	15.560	15.560	0.000	15.000	15.000	30.000	15.741	45.741	9.563	55.305
LINE		68		69		69A		70		71		72		73		74		75		76					

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

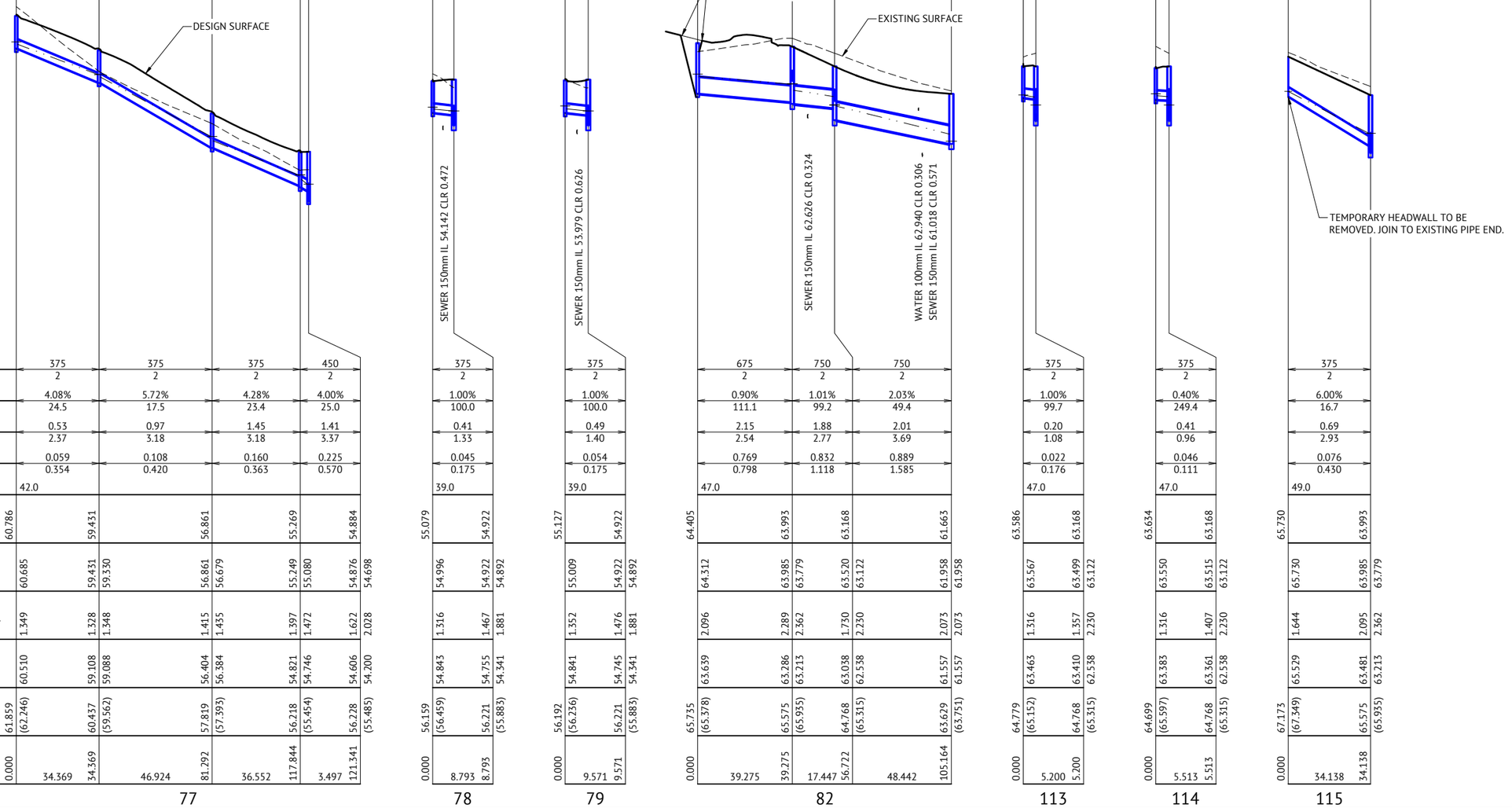
DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
VERTICAL 1:100 (A1)
0 2 4 6m
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER DRAINAGE LONG SECTIONS - SHEET 2

JOB CODE: MIR-0802
SHEET NUMBER: C411
REV: B

STRUCTURE NAME	1/77	2/77	3/77	4/77	7/5	1/78	6/5	1/79	6/5	8/82	9/82	10/82	11/82	1/113	10/82	1/114	10/82	TE/115	9/82
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.I.L; 2.4m Lintel	IPWEA KERB INLET L.I.L; 2.4m Lintel	IPWEA KERB INLET L.I.L; 2.4m Lintel	IPWEA KERB INLET L.I.L; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA KERB INLET (SAG) L.I.L; 2.4m Lintel	IPWEA MANHOLE 1350mm DIA	IPWEA KERB INLET L.I.L; 2.4m Lintel	IPWEA MANHOLE 1350mm DIA	TEMPORARY HEADWALL	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1200mm DIA	TEMPORARY HEADWALL	IPWEA KERB INLET L.I.L; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA	IPWEA KERB INLET L.I.L; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA	PIPE END JOIN TO EXISTING PIPE	IPWEA MANHOLE 1200mm DIA
PIPE SIZE (mm)	375	375	375	450		375		375		675	750	750		375		375		375	
PIPE CLASS	2	2	2	2		2		2		2	2	2		2		2		2	
PIPE GRADE (%)	4.08%	5.72%	4.28%	4.00%		1.00%		1.00%		0.90%	1.01%	2.03%		1.00%		0.40%		6.00%	
PIPE SLOPE (1 in X)	24.5	17.5	23.4	25.0		100.0		100.0		111.1	99.2	49.4		99.7		249.4		16.7	
FULL PIPE VELOCITY (m/s)	0.53	0.97	1.45	1.41		0.41		0.49		2.15	1.88	2.01		0.20		0.41		0.69	
PART FULL VELOCITY (m/s)	2.37	3.18	3.18	3.37		1.33		1.40		2.54	2.77	3.69		1.08		0.96		2.93	
PIPE FLOW (cumecs)	0.059	0.108	0.160	0.225		0.045		0.054		0.769	0.832	0.889		0.022		0.046		0.076	
PIPE CAPACITY AT GRADE (cumecs)	0.354	0.420	0.363	0.570		0.175		0.175		0.798	1.118	1.585		0.176		0.111		0.430	
DATUM RL	42.0					39.0		39.0		47.0				47.0		47.0		49.0	
WSE IN STRUCTURE	60.786	59.431	56.861	55.269	54.884	55.079	54.922	55.127	54.922	64.405	63.993	63.168	61.663	63.586	63.168	63.634	63.168	65.730	63.993
HGL IN PIPE	60.685	59.431 / 59.330	56.861 / 56.679	55.249 / 55.080	54.876 / 54.698	54.996	54.922 / 54.892	55.009	54.922 / 54.892	64.312	63.985	63.520 / 63.122	61.958	63.567	63.499 / 63.122	63.550	63.515 / 63.122	65.730	63.985 / 63.779
DEPTH OF INVERT BELOW FSL	1.349	1.328 / 1.348	1.415 / 1.435	1.397 / 1.472	1.622 / 2.028	1.316	1.467 / 1.881	1.352	1.476 / 1.881	2.096	2.289	2.362 / 1.730 / 2.230	2.073	1.316	1.357 / 2.230	1.316	1.407 / 2.230	1.644	2.095 / 2.362
INVERT LEVEL	60.510	59.108 / 59.088	56.404 / 56.384	54.821 / 54.746	54.606 / 54.200	54.843	54.755 / 54.341	54.841	54.745 / 54.341	63.639	63.286	63.213 / 63.038 / 62.538	61.557	63.463	63.410 / 62.538	63.383	63.361 / 62.538	65.529	63.481 / 63.213
FINISHED (& EXISTING) SURFACE LEVEL	61.859 (62.246)	60.437 (59.562)	57.819 (57.393)	56.218 (55.454)	56.228 (55.485)	56.159 (56.459)	56.221 (55.883)	56.192 (56.236)	56.221 (55.883)	65.735 (65.378)	65.575 (65.935)	64.768 (65.315)	63.629 (63.751)	64.779 (65.152)	64.768 (65.315)	64.699 (65.597)	64.768 (65.315)	67.173 (67.349)	65.575 (65.935)
CHAINAGE	0.000	34.369 / 34.369	46.924 / 81.292	36.552 / 117.844	3.497 / 121.341	0.000	8.793 / 8.793	0.000	9.571 / 9.571	0.000	39.275 / 39.275	17.447 / 56.722	48.442 / 105.164	0.000	5.200 / 5.200	0.000	5.513 / 5.513	0.000	34.138 / 34.138
LINE	77					78		79		82				113		114		115	



FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

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DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
VERTICAL 1:100 (A1)
0 2 4 6m
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE STORMWATER DRAINAGE LONG SECTIONS - SHEET 3

JOB CODE MIR-0802
SHEET NUMBER C412
REV B

STORMWATER DRAINAGE NOTES

1. ALL STORMWATER DRAWINGS ARE TO BE READ IN CONJUNCTION WITH DRAWING C001, STORMWATER LAYOUT PLANS, NOTES AND DETAILS.
2. STORMWATER PITS ARE TO BE CONSTRUCTED INSITU IN ACCORDANCE WITH DRAWINGS OR AS VARIED AS NOTED ON THE DRAWING. PREFABRICATED STORMWATER PITS CAN BE USED SUBJECT TO WRITTEN APPROVAL FROM THE SUPERINTENDENT. CLASS D HEAVY DUTY GALVANIZED STEEL GRATES ARE TO BE FITTED IN TRAFFIC AREAS, CLASS B LIGHT DUTY GALVANIZED STEEL GRATES ARE TO BE FITTED IN LANDSCAPE AREAS UNLESS NOTED OTHERWISE.
3. ALL DRAINAGE EXCAVATION AND CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH AS3500 AND THE APPLICABLE LOCAL AUTHORITY SPECIFICATIONS AND STANDARD DETAILS.
4. ALL MATERIALS SHALL MEET THE REQUIREMENTS OF AS1254 & AS1273.
5. ALL uPVC PIPES SHALL BE CLASS 'SN8' FOR DN150 & DN225, AND CLASS 'SN6' FOR DN100 UNLESS NOTED OTHERWISE.
6. PIPES SHALL BE LAID AT MIN. 1% GRADE UNLESS NOTED OTHERWISE.
7. CONTRACTOR MUST VERIFY THAT ALL PIPE LEVELS AND GRADES CAN BE ACHIEVED PRIOR TO CONSTRUCTING DRAIN LINES. ANY CONFLICT SHALL BE REPORTED TO THE SUPERINTENDENT FOR ANY NECESSARY ALTERATIONS PRIOR TO ANY CONSTRUCTION OF CONNECTING PIPEWORK.
8. WHERE PIPES ARE TO BE LAID WITHIN THE ZONE OF INFLUENCE OF STRUCTURAL LOADINGS (e.g. BUILDING FOOTINGS, RETAINING WALLS...etc). THE BUILDER SHALL PROVIDE ADEQUATE BRIDGING / PROTECTION. WHERE ANY DOUBT MAY EXIST REFERENCE SHALL BE MADE TO THE DESIGNER OF THE STRUCTURE.
9. BENCHING OF PIT STRUCTURES SHALL HAVE A SMOOTH FINISHED SURFACE, AND PIPES SHALL NOT PROJECT INSIDE THE SHAFT OF THE PIT.
10. WHERE RECTANGULAR PIT STRUCTURES ARE USED, PIPES MUST NOT CONNECT TO THE PIT AT CORNERS.
11. ALL CONSTRUCTION AND EXCAVATIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE WORK HEALTH AND SAFETY ACT 2011 AND SUBSEQUENT AMENDMENTS.
12. ALL STORMWATER PIPES SHALL BE CLASS '2' (UNO) R.C. PIPES UNLESS AN ALTERNATIVE IS APPROVED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION.
13. ALL TEMPORARY ROOFWATER OUTLETS TO BE EXCAVATED AT 1 IN 200 TO NATURAL SURFACE.
14. ALL ROOFWATER PIPES CROSSING CONCRETE FOOTPATHS ARE TO BE INSTALLED PRIOR TO CONSTRUCTION OF CONCRETE FOOTPATHS.
15. INSTALL 150mm DIAMETER PVC ROOFWATER HOUSE CONNECTION STUB INTO ROOFWATER PITS. INSTALL AT 750mm DEPTH TYPICAL OR 50mm FROM THE BASE OF PIT (WHICHEVER IS SHALLOWER).

REFERENCE POINT LOCATION FOR DRAINAGE STRUCTURES

STRUCTURE TYPE	HORIZONTAL CONTROL POINT [REFERENCE POINT LOCATION]	VERTICAL CONTROL REFERENCE LEVEL
MANHOLE	CENTRELINE OF MAIN SHAFT	FINISHED SURFACE LEVEL AT CENTRE OF MAIN SHAFT
GULLY PIT OVER MANHOLE	CENTRE OF GULLY PIT	LIP LEVEL
GULLY PIT (LIP IN LINE)	CENTRE OF GULLY PIT	LIP LEVEL
HEADWALL	INTERSECTION OF HEADWALL FACE AND PIPE CENTRE LINE	INVERT LEVEL
FIELD INLET	CENTRE OF PIT	TOP OF CONCRETE PIT
ROOFWATER PIT	CENTRE OF PIT	TOP OF GRATE

EXCAVATION IN ROCK NOTE:

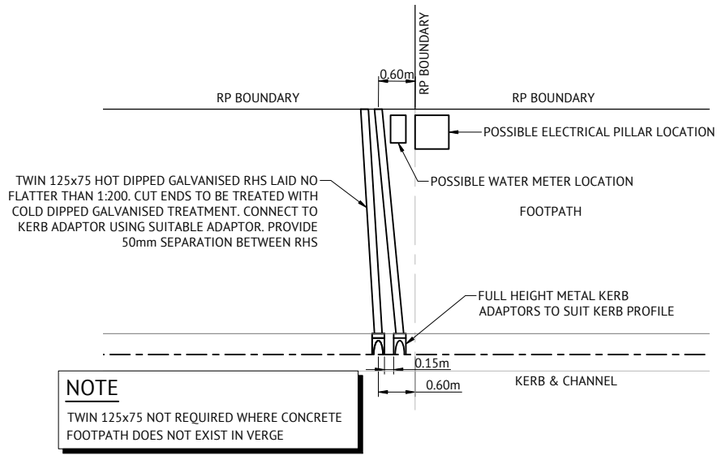
CONTRACT SHALL INCLUDE TREATING, SIZING CONDITIONING AND PROCESSING ALL TYPES OF ROCK IN ALL EXCAVATIONS. PROCESSING TO BE COMPLETED AS PER MORRISON GEOTECHNICAL REPORTS TO ENSURE LEVEL 1 IS ACHIEVED.

TRENCH SPOIL NOTE:

SPOILAGE OF EXCESS MATERIAL TO BE PLACED INTO THE SOUTHERN DAM REHABILITATION AREA INCLUDING ALL LEVEL ONE COMPACTION REQUIREMENTS AND TESTING IN ACCORDANCE WITH MORRISON GEOTECHNICAL SPECIFICATION AND ALL LOCAL AUTHORITY STANDARDS, AND SHALL BE FREE DRAINING.

NOTE:

STORMWATER DRAINAGE LONG SECTION CHAINAGE LENGTHS ARE MEASURED FROM NODE CENTRE POINTS ALONG THE PROPOSED ALIGNMENT INCLUDING PIPE OFFSETS SUCH AS TO CENTRE OF PIT SIDE WALL AND CUSTOM PIPE SPACING INTO STRUCTURES. REFER STORMWATER DRAINAGE STRUCTURE DETAILS DRAWINGS.

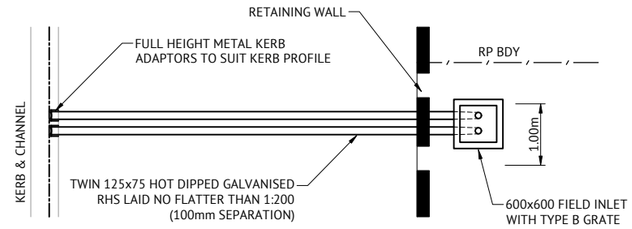


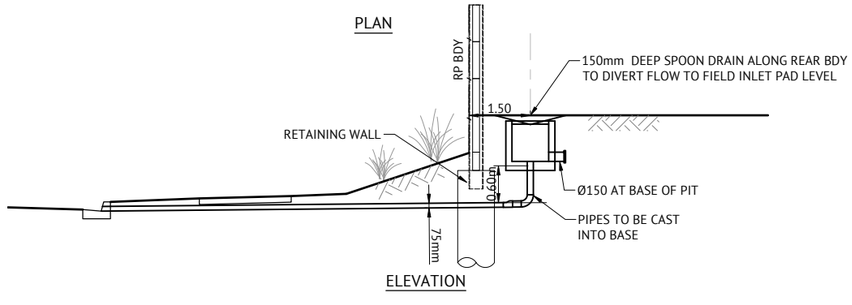
NOTE

TWIN 125x75 NOT REQUIRED WHERE CONCRETE FOOTPATH DOES NOT EXIST IN VERGE

TYPICAL ROOFWATER KERB ADAPTOR OUTLET DETAIL

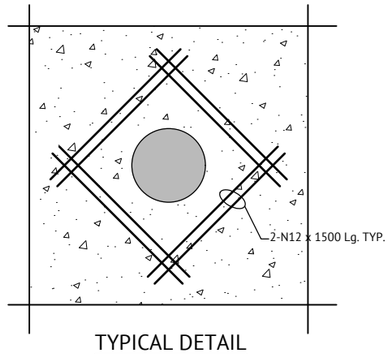
N.T.S.





TYPICAL ROOFWATER PROPERTY PIT TO KERB ADAPTOR OUTLET DETAIL

N.T.S.



TYPICAL DETAIL

GRATED PIT IN CONCRETE PAVEMENT
SCALE 1:20

FOR CONSTRUCTION

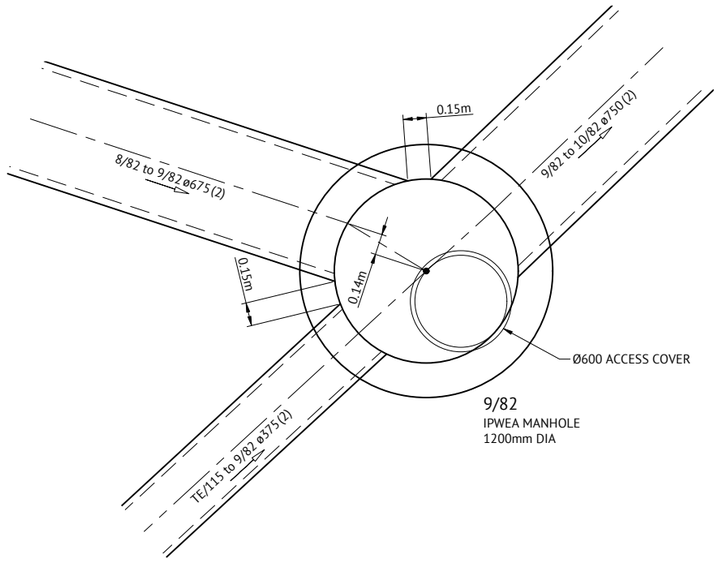
DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

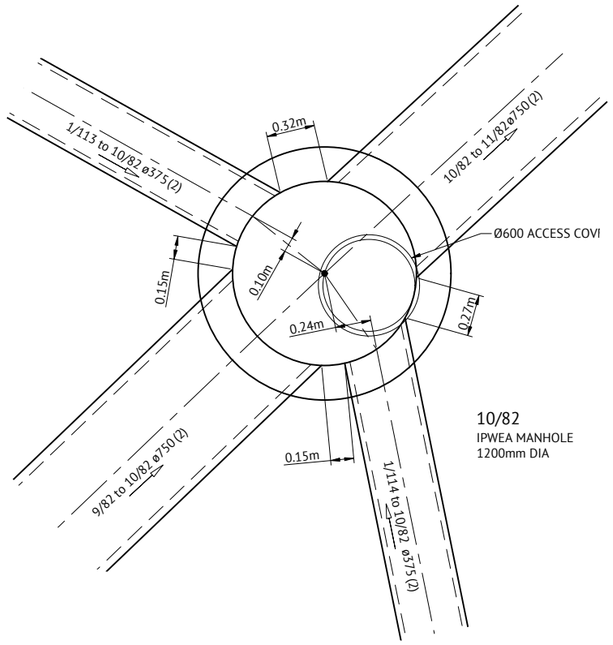
Premise

BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

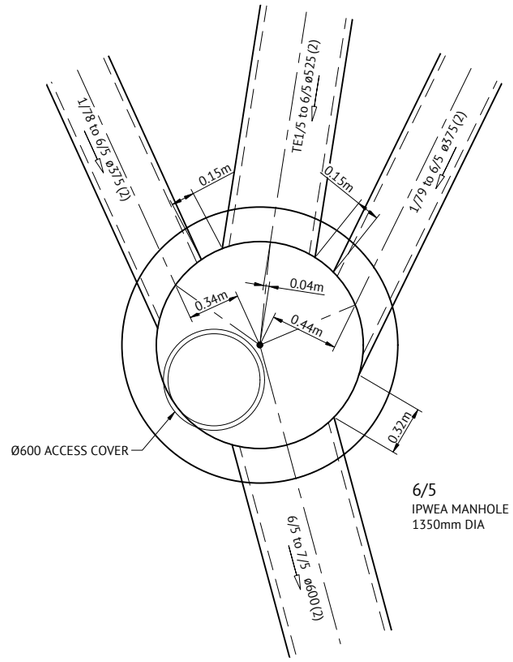
DESIGNED	KLYNT KIWANG
CHECKED	ANDREW LANGDON
PROJECT MANAGER	NICK SOMERVILLE
PROJECT DIRECTOR	PATRICK BRADY RPEQ 7112
SCALE	NTS
ORIGINAL SHEET SIZE	A1
CLIENT	MIRVAC QLD PTY LTD
PROJECT	EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	STORMWATER DRAINAGE NOTES AND DETAILS
JOB CODE	MIR-1002
SHEET NUMBER	C420
REV	B



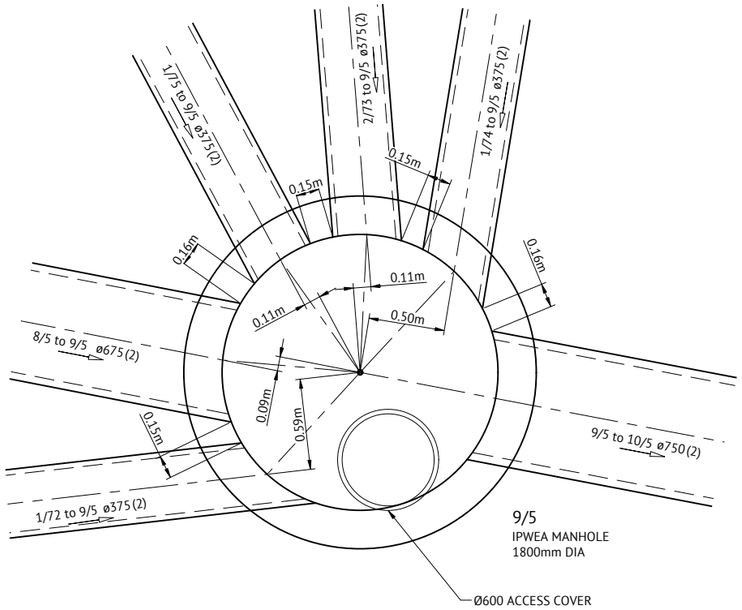
9/82
IPWEA MANHOLE
1200mm DIA



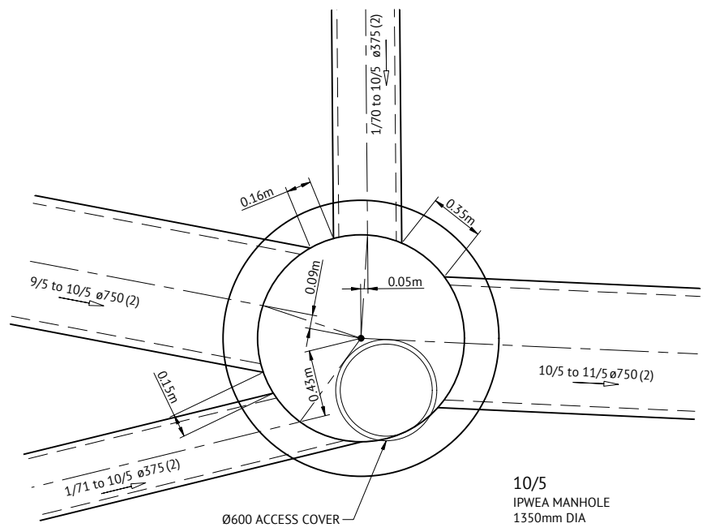
10/82
IPWEA MANHOLE
1200mm DIA



6/5
IPWEA MANHOLE
1350mm DIA



9/5
IPWEA MANHOLE
1800mm DIA



10/5
IPWEA MANHOLE
1350mm DIA

N

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
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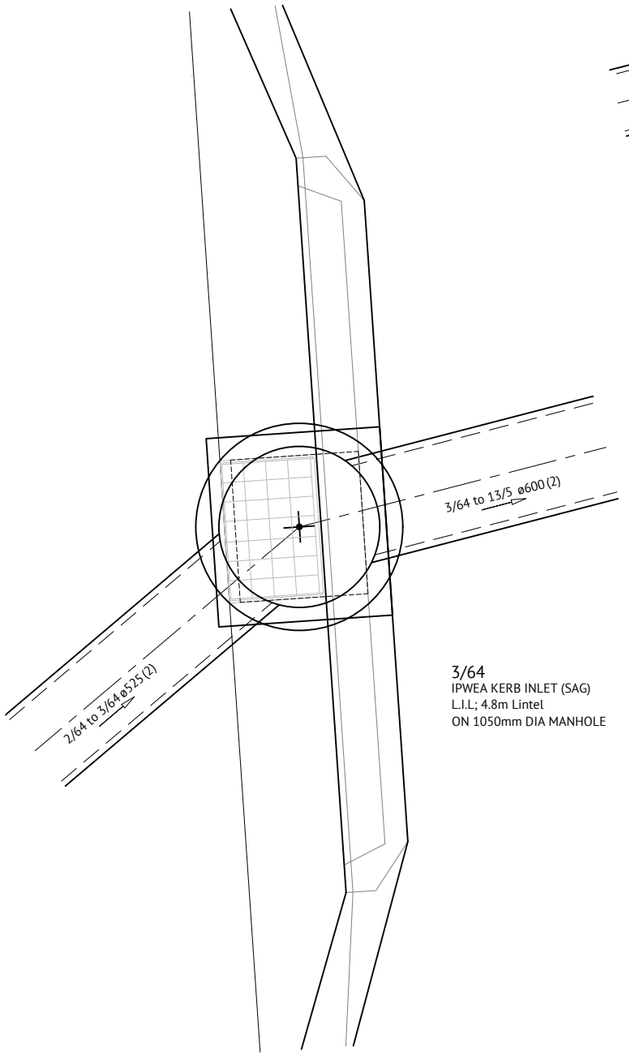
WEB: www.premise.com.au

DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

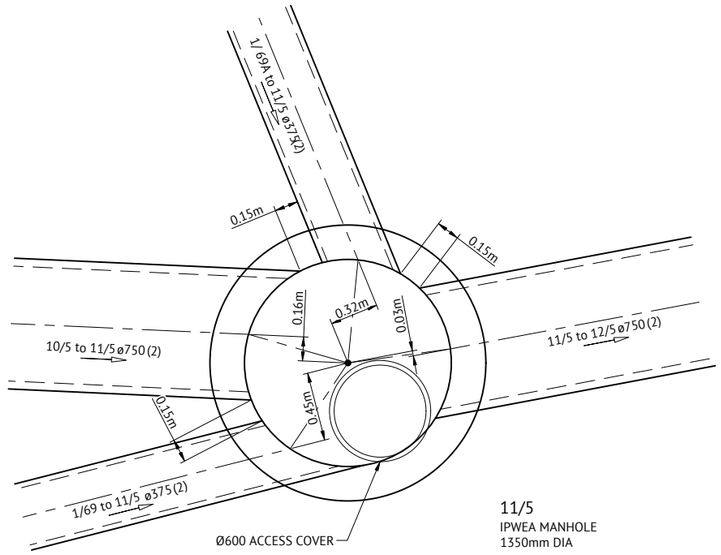
SCALE
0 0.4 0.8 1.2m
SCALE 1:20 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 1

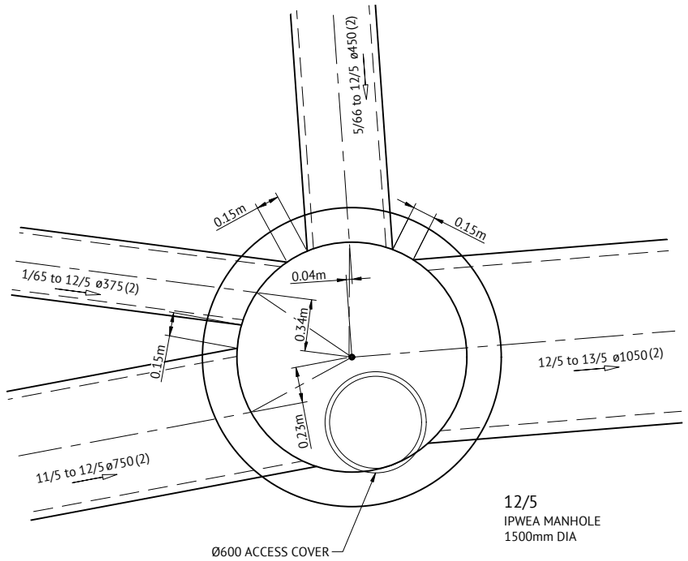
JOB CODE MIR-0802
SHEET NUMBER C430
REV B



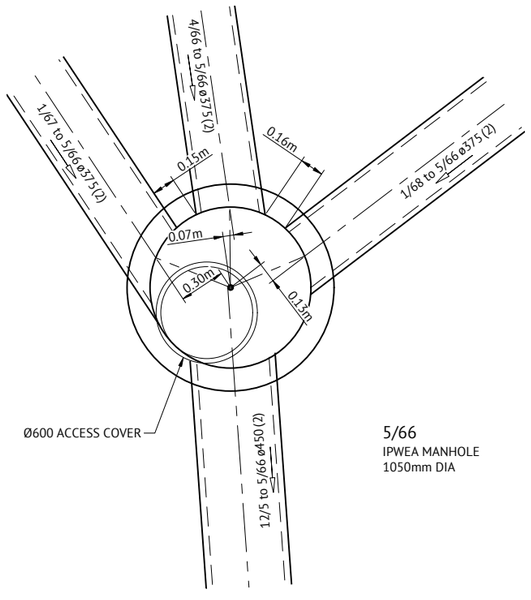
3/64
IPWEA KERB INLET (SAG)
L.I.L; 4.8m Lintel
ON 1050mm DIA MANHOLE



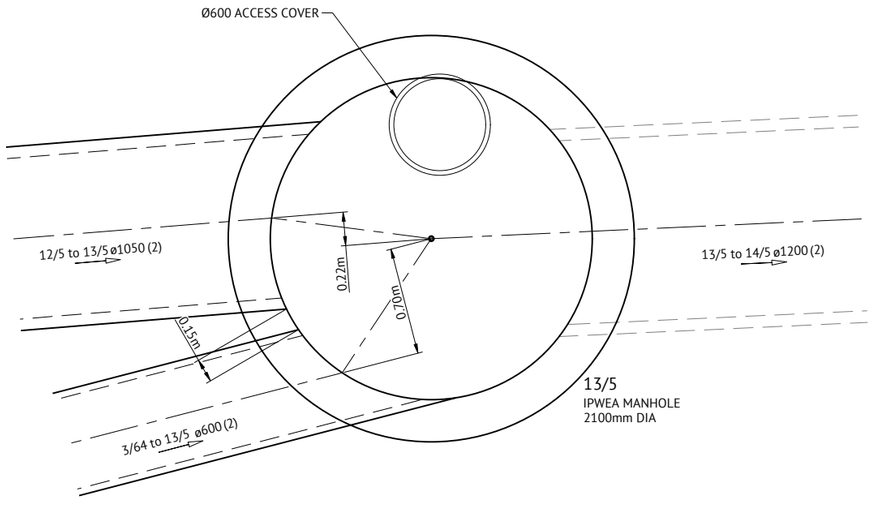
11/5
IPWEA MANHOLE
1350mm DIA



12/5
IPWEA MANHOLE
1500mm DIA



5/66
IPWEA MANHOLE
1050mm DIA



13/5
IPWEA MANHOLE
2100mm DIA

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise
BRISBANE OFFICE
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DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
0 0.4 0.8 1.2m
SCALE 1:20 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 2

JOB CODE MIR-0802
SHEET NUMBER C431
REV B

LOCATION			TIME			SUB-CATCHMENT RUNOFF				INLET DESIGN								DRAIN DESIGN									HEADLOSSES										PART FULL			DESIGN LEVELS						
			tc	I	C	A	CA	Q						Qg	Qb		tc	I	CA		Qp	L	S			Vf=Q/A		STRUCTURE RATIOS			V2/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn	Vn						
STRUCTURE NUMBER	DOWNSTREAM STRUCTURE	SUB-CATCHMENT'S CONTRIBUTING	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	CO-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	FLOW WIDTH	FLOW DEPTH	ROAD GRADE AT INLET	HALF ROAD CAPACITY	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE NUMBER	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C x A)	SUM ADDITIONAL PIPE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE/BOX DIMENSIONS	CLASS	FULL PIPE VELOCITY	TIME OF FLOW IN REACH	CHARTS USED	Qg/Qo	Du/Do	S/Do	VELOCITY HEAD	UPSTREAM HEADLOSS CO-EFFICIENT	UPSTREAM HEADLOSS	W.S.E. CO-EFFICIENT	CHANGE IN W.S.E.	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (L x Sf)	NORMAL DEPTH	NORMAL DEPTH VELOCITY (MINOR STORM)	NORMAL DEPTH VELOCITY (1 YEAR STORM)	UPSTREAM OBVERT LEVEL	DOWNSTREAM OBVERT LEVEL	UPSTREAM H.G.L.	DOWNSTREAM H.G.L.	W.S.E.	SURFACE OR GRATE LEVEL	STRUCTURE NUMBER
			min	mm/h		ha	ha	l/s	l/s	m	m	%	l/s	l/s	l/s		min	mm/h	ha	l/s	l/s	m	%	mm		m/s	min					m		m		m		m	m	m/s	m/s	m	m	m	m	m	m	
TE1/5	6/5	1/80 1/81 1/5 2/5 3/5 4/5	0.00	0		0.000	0.000	0	0			5.02		0	0		8.65	110	0.991	0	298	56.104	4.272	525	2	1.38	0.47					0.097	0.00	0.000		0.000	4.03	2.332	0.209	3.70	3.42	57.337	54.941	57.183	54.922	57.183	58.580	TE1/5
6/5	7/5	1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5	0.00	0		0.000	0.000	0	5				0.187	0	5	1/75	9.12	109	1.270	0	389	6.574	1.000	600	2	1.37	0.05	34 37	0.00	1.00	1.05	0.096	0.32	0.031		0.031	0.23	0.023	0.346	2.30	2.14	54.941	54.875	54.892	54.876	54.922	56.221	6/5
7/5	8/5	1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5															9.01	109	2.079	0	612	27.373	1.300	675	2	1.71	0.23	37 42 43	0.00	1.00	1.28	0.149	1.19	0.178	1.25	0.186	1.69	0.289	0.392	2.84	2.65	54.875	54.519	54.698	54.236	54.884	56.228	7/5
8/5	9/5	1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5	0.00	0		0.000	0.000	0	15				0.193	0	15	1/72	9.19	108	2.222	0	651	49.552	1.613	675	2	1.82	0.41	33 34	0.00	1.00	1.05	0.169	0.22	0.037		0.037	1.47	0.783	0.381	3.13	2.92	54.319	53.520	54.158	53.428	54.195	55.659	8/5
9/5	10/5	1/72 1/73 2/73 1/74 1/75 1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5	0.00	0		0.000	0.000	0	0		0.000		0	0	0	1/70	9.37	108	2.749	0	821	64.059	1.000	750	2	1.86	0.53	33 34	0.00	1.00	1.06	0.176	0.24	0.042		0.042	0.90	0.629	0.479	2.76	2.58	53.575	52.934	53.387	52.808	53.428	54.777	9/5
10/5	11/5	1/70 1/71 1/72 1/73 2/73 1/74 1/75 1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5															9.90	105	3.160	0	913	56.761	2.433	750	2	2.07	0.47	33 34	0.00	1.00	1.07	0.218	0.24	0.052		0.052	2.31	1.367	0.386	3.98	3.69	52.914	51.533	52.755	51.442	52.808	54.032	10/5
11/5	12/5	1/69 1/69A 1/70 1/71 1/72 1/73 2/73 1/74 1/75 1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5															10.37	104	3.455	0	993	32.237	3.003	750	2	2.25	0.27	33 34	0.00	1.00	1.09	0.258	0.25	0.064		0.064	3.72	0.550	0.382	4.40	4.07	51.513	50.545	51.377	50.177	51.442	52.487	11/5
12/5	13/5	1/65 1/67 1/68 1/66 2/66 3/66 1/69 1/69A 1/70 1/71 1/72 1/73 2/73 1/74 1/75 1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5															10.64	103	4.488	0	1267	17.946	2.779	1050	2	1.46	0.15	34	0.00	0.91	1.01	0.109	0.10	0.011		0.011	3.75	0.342	0.379	4.50	4.14	50.545	50.046	50.134	49.460	50.145	52.039	12/5
13/5																																											49.460	51.706	13/5
1/64	2/64	1/64	8.00	113	0.75	0.076	0.057	18	25		0.000	0.95	375	25	0	3/64	8.00	113	0.057	0	25	5.068	1.004	450	2	0.16	0.04	32	1.00		1.03	0.001	9.70	0.012		0.012	-0.35	0.010	0.089	1.10	0.92	51.009	50.958	50.665	50.683	50.677	51.892	1/64
2/64	3/64	1/64 2/64	8.00	113	0.75	0.213	0.159	50	50	3.404	0.056	1.68	62	50	0	1/64	8.00	113	0.216	0	74	12.002	1.200	525	2	0.34	0.10	32 42 46 43 47	0.67	0.86	1.06	0.006	4.69	0.028	4.88	0.029	0.47	0.099	0.141	1.59	1.42	51.001	50.857	50.655	50.599	50.684	51.969	2/64
3/64	13/5	1/64 2/64 3/64	8.00	113	0.75	0.275	0.206	65	79		0.000	0.32	450	79	0	13/5	8.10	113	0.422	0	153	15.591	2.032	600	2	0.54	0.13	32 34 37	0.52	0.88	1.06	0.015	2.41	0.036		0.036	2.51	0.219	0.170	2.31	2.06	50.912	50.595	50.563	50.165	50.599	51.969	3/64
13/5																																											49.460	51.706	13/5
1/65	12/5	1/65	8.00	113	0.75	0.136	0.102	32	37		0.000	1.05	375	37	0	3/64	8.00	113	0.102	0	37	11.358	1.014	375	2	0.34	0.10	32	1.00		1.15	0.006	9.70	0.057		0.057	1.19	0.107	0.118	1.26	1.11	50.949	50.834	50.713	50.577	50.770	51.898	1/65
4/66	5/66	1/66 2/66 3/66															8.49	111	0.582	0	158	30.906	4.217	375	2	1.43	0.26	37	0.00	1.00	1.21	0.104	0.74	0.077		0.077	4.12	1.298	0.174	3.15	2.97	52.946	51.643	52.864	51.590	52.941	53.959	4/66
5/66	12/5	1/67 1/68 1/66 2/66 3/66															8.75	110	0.926	0	263	25.486	2.585	450	2	1.65	0.21	33 34	0.00	1.00	1.08	0.139	0.26	0.037		0.037	3.04	0.511	0.244	2.98	2.8	51.643	50.984	51.553	50.778	51.590	52.721	5/66
1/67	5/66	1/67	8.00	113	0.75	0.201	0.151	47	54	2.055	0.061	4.05	246	48	6	1/65	8.00	113	0.151	0	48	10.286	3.130	375	2	0.44	0.09	32	1.00		1.25	0.010	9.70	0.095		0.095	2.34	0.282	0.100	2.03	1.85	52.050	51.728	51.834	51.590	51.928	53.024	1/67
1/68	5/66	1/68	8.00	113	0.75	0.259	0.194	61	76	2.375	0.068	4.05	279	61	15	3/64	8.00	113	0.194	0	61	3.116	1.021	375	2	0.56	0.03	32	1.00		1.41	0.016	9.70	0.153		0.153	-0.13	0.021	0.153	1.45	1.35	51.781	51.749	51.586	51.590	51.739	52.721	1/68
1/69	11/5	1/69	8.00	113	0.75	0.206	0.154	48	62	2.362	0.067	2.82	194	56	6	1/64	8.00	113	0.154	0	56	11.517	2.745	375	2	0.51	0.10	32	1.00		1.24	0.013	7.00	0.091		0.091	1.24	0.197	0.112	2.02	1.83	51.790	51.474	51.587	51.442	51.678	52.756	1/69
1/69A	11/5	1/69A	8.00	113	0.75	0.187	0.140	44	45	2.067	0.061	2.82	236	45	0	1/65	8.00	113	0.140	0	45	5.658	0.406	375	2	0.41	0.05	32	1.00		1.22	0.009	9.70	0.083		0.083	0.04	0.004	0.167	0.95	0.88	51.536	51.513	51.444	51.442	51.527	52.476	1/69A
1/70	10/5	1/70	8.00	113	0.75	0.222	0.166	52	52	2.375	0.068	1.81	155	51	1	1/69A	8.00	113	0.166	0	51	5.274	1.002	375	2	0.46	0.04	32	1.00		1.28	0.011	9.70	0.104		0.104	0.62	0.049	0.138	1.37	1.28	53.053	53.000	52.841	52.808	52.945	53.993	1/70
1/71	10/5	1/71	8.00	113	0.75	0.328	0.246	77	80	2.891	0.080	1.54	150	66	14	1/69	8.00	113	0.246	0	66	6.059	1.668	375	2	0.60	0.05	32	1.00		1.48	0.018	9.70	0.179		0.179	1.87	0.098	0.140	1.76	1.66	53.112	53.011	52.925	52.808	53.103	54.072	1/71
1/72	9/5	1/72	8.00	113	0.75	0.181	0.135	42	58	2.534	0.091	1.24	126	55	3	1/71	8.00	113	0.135	0	55	7.127	1.032	375	2	0.50	0.06	32	1.00		1.32	0.013	9.70	0.122		0.122	1.35	0.064	0.144	1.40	1.24	53.817	53.743	53.611	53.512	53.733	54.797	1/72
1/73	2/73	1/73	8.00	113	0.75	0.129	0.097	30	30	1.642	0.051	4.04	263	30	0	2/73	8.00	113	0.097	0	30	50.000	5.321	375	2	0.27	0.42	32	1.00		1.07	0.004	7.00	0.027		0.027	5.08	2.578	0.070	2.15	1.97	57.289	54.628	57.039	54.498	57.066	58.084	1/73
2/73	9/5	1/73 2/73	8.00	113	0.75	0.183	0.137	43	43	1.809	0.055	4.97	328	42	1	1/75	8.42	111	0.233	0	71	36.523	3.002	375	2	0.64	0.30	32 33 34	0.58	1.00	1.19	0.021	3.34	0.071		0.071	2.73	1.046	0.123	2.24	2.07	54.608	53.512	54.428	53.428	54.498	55.669	2/73
1/74	9/5	1/74	6.00	122	0.76	0.060	0.045	15	15		0.000	0.77	43	15	0	9/5	6.00	122	0.045	0	15	9.730	1.022	375	2	0.14	0.08	32	1.00		1.03	0.001	9.70	0.010		0.010	-0.04	0.004	0.075	0.98	0.9	53.671	53.572	53.424	53.428	53.434	54.620	1/74
1/75	9/5	1/75	8.00	113	0.75	0.180	0.135	42	48		0.006	1.30	375	48	0	9/5	8.00	113	0.135	0	48	15.493	1.004	375	2	0.44	0.13	32	1.00		1.25	0.010	9.70	0.094		0.094	0.44	0.109	0.134	1.35	1.2	53.714	53.558	53.497	53.428	53.591	54.655	1/75
1/76	2/76	1/76	8.00	113	0.75	0.057	0.042	13	13	2.382	0.030	1.06	280	13	0	2/76	8.00	113	0.042	0	13	15.000	1.001	375	2	0.12	0.13	32	1.00		1.01	0.001	7.00	0.005		0.005	0.89	0.145	0.069	0.93	0.86	55.414	55.264	55.120	54.986	55.125	56.354	1/76
2/76	3/76	1/76 2/76	8.00	113	0.75	0.049	0.037	12	12	2.281	0.029	1.06	281	12	0	3/76	8.13	112	0.079	0	25	15.000	1.000	375	2	0.22	0.13	33	0.47	1.00	1.01	0.003	1.97	0.005		0.005	0.92	0.148	0.095	1.12	1.03	55.244	55.094	54.981	54.844	54.986	56.194	2/76
3/76	4/76	1/76 2/76 3/76	8.00	113	0.75	0.049	0.037	12	12	2.274	0.028	1.06	282	12	0	4/76	8.25	112	0.116	0	36	15.741	1.654	375	2	0.33	0.13	33	0.32	1.00	1.02	0.005	1.52	0.008		0.008	1.61	0.260	0.101	1.50	1.38	55.074	54.814	54.836	54.582	54.844	56.035	3/76
4/76	8/5	1/76 2/76 3/76 4/76	8.00	113	0.75	0.040	0.030	9	10	2.107	0.026	1.06	282	10	0	8/5	8.38	111	0.147	0	45	9.563	2.266	375	2	0.41	0.08	33	0.21	1.00	1.03	0.009	1.12	0.010		0.010	2.77	0.160	0.105	1.79	1.64	54.794	54.577	54.573	54.307	54.582	55.867	4/76
1/77	2/77	1/77	8.00	113	0.75	0.290	0.217	68	71	2.304	0.066	4.14	275	59	12	2/77	8.00	113	0.217	0	59	34.355	4.079	375	2	0.53	0.29	32	1.00		1.27	0.014	7.00	0.100		0.100	3.65	1.305	0.103	2.37	2.22	60.885	59.483	60.685	59.431	60.786	61.859	1/77
2/77	3/77	1/77 2/77	8.00	113	0.75	0.190	0.143	45	57	2.105	0.060	4.69	241	50	7	4/77	8.29	112	0.359	0	108	46.887	5.725	375	2	0.97	0.39	34 37	0.46	1.00	1.27	0.048	2.10	0.102		0.102	5.26	2.525	0.130	3.18	2.95	59.463	56.779	59.330	56.861	59.431	60.437	2/77
3/77	4/77	1/77 2/77 3/77	8.00	113	0.75	0.281	0.211	66	66	2.085	0.061	5.78	357	56	10	1/78	8.68	110	0.570	0	160	36.529	4.279	375	2	1.45	0.30	33 34	0.34	1.00	1.49	0.107	1.70	0.182		0.182	3.91	1.473	0.174	3.18	2.98	56.759	55.196	56.679	55.249	56.861	57.819	3/77
4/77	7/5	1/77 2/77 3/77 4/77	8.00	113	0.75	0.330	0.247	78	84	2.734	0.076	2.60	193	69	15	8/5	8.70	110	0.809	0	225	3.403	4.110	450	2	1.41	0.03	37 42 43	0.30	0.83	1.42	0.102	1.66	0.169	1.85	0.189	5.82	0.106	0.196	3.37	3.16	55.196	55.056	55.080	54.876	55.269	56.218	4/77
1/78	6/5	1/78	8.00	113	0.75	0.129	0.096	30	45		0.004	1.73	375	45	0	6/5	8.00	113	0.096	0	45	8.625	1.020	375	2	0.41	0.07	32	1.00		1.22	0.009	9.70	0.083		0.083	0.84	0.086	0.130	1.33	1.14	55.218	55.130	54.996	54.922	55.079	56.159	1/78
1/79	6/5	1/79	8.00	113	0.75	0.244	0.183	57	59	2.292	0.066	2.43	187	54	5	6/5	8.00	113	0.183	0	54	9.393	1.019	375	2	0.49	0.08	32	1.00		1.32	0.012	9.70	0.118		0.118	0.91	0.095	0.143	1.40	1.31	55.216	55.120	55.009	54.922	55.127	56.192	1/79

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

BRISBANE OFFICE
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DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE

ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER CALCULATIONS 39% AEP STORM - SHEET 1

JOB CODE: MIR-0802
SHEET NUMBER: C440
REV: B

LOCATION			TIME			SUB-CATCHMENT RUNOFF				INLET DESIGN								DRAIN DESIGN									HEADLOSSES										PART FULL			DESIGN LEVELS						
			tc	I	C	A	CA	Q						Qg	Qb		tc	I	CA		Qp	L	S			Vf=Q/A		STRUCTURE RATIOS			V2/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn	Vn							
STRUCTURE NUMBER	DOWNSTREAM STRUCTURE	SUB-CATCHMENT'S CONTRIBUTING	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	CO-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	FLOW WIDTH	FLOW DEPTH	ROAD GRADE AT INLET	HALF ROAD CAPACITY	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE NUMBER	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C x A)	SUM ADDITIONAL PIPE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE/BOX DIMENSIONS	CLASS	FULL PIPE VELOCITY	TIME OF FLOW IN REACH	CHARTS USED	Qg/Qo	Du/Do	S/Do	VELOCITY HEAD	UPSTREAM HEADLOSS CO-EFFICIENT	UPSTREAM HEADLOSS	W.S.E. CO-EFFICIENT	CHANGE IN W.S.E.	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (L x Sf)	NORMAL DEPTH	NORMAL DEPTH VELOCITY (MINOR STORM)	NORMAL DEPTH VELOCITY (1 YEAR STORM)	UPSTREAM OBVERT LEVEL	DOWNSTREAM OBVERT LEVEL	UPSTREAM H.G.L.	DOWNSTREAM H.G.L.	W.S.E.	SURFACE OR GRATE LEVEL	STRUCTURE NUMBER
			min	mm/h		ha	ha	l/s	l/s	m	m	%	l/s	l/s	l/s		min	mm/h	ha	l/s	l/s	m	%	mm		m/s	min					m		m		m	%	m	m	m/s	m/s	m	m	m	m	m	m	
8/82	9/82	1/131A 1/131B 2/131B 1/132 1/133 1/134 2/134 1/135 1/136 1/137 1/82 2/82 3/82 4/82 8/82	8.00	113	0.75	0.321	0.240	75	75		0.000	0.41	450	75	0	1/111	10.41	104	2.680	0	769	39.260	0.900	675	2	2.15	0.33	33 34	0.10	0.89	1.14	0.236	0.40	0.093		0.093	0.83	0.327	0.533	2.54	2.42	64.314	63.961	64.312	63.985	64.405	65.735	8/82
9/82	10/82	1/115 2/115 3/115 1/131A 1/131B 2/131B 1/132 1/133 1/134 2/134 1/135 1/136 1/137 1/82 2/82 3/82 4/82 8/82	0.00	0		0.000	0.000	0	0		0.000		0	0	0	1/113	10.58	103	2.914	0	832	17.447	1.008	750	2	1.88	0.15	37 42 43	0.00	1.00	1.29	0.181	1.14	0.206	1.18	0.214	1.49	0.144	0.482	2.77	2.59	63.963	63.788	63.779	63.520	63.993	65.575	9/82
10/82	11/82	1/113 1/114 1/115 2/115 3/115 1/131A 1/131B 2/131B 1/132 1/133 1/134 2/134 1/135 1/136 1/137 1/82 2/82 3/82 4/82 8/82															10.72	103	3.137	0	889	48.442	2.025	750	2	2.01	0.40	33 34	0.00	1.00	1.06	0.207	0.22	0.046		0.046	2.40	0.765	0.402	3.69	3.42	63.288	62.307	63.122	61.958	63.168	64.768	10/82
11/82																																												61.663	63.629	11/82
1/113	10/82	1/113	8.00	113	0.75	0.092	0.069	22	22	1.249	0.056	4.68	261	22	0	1/111	8.00	113	0.069	0	22	5.177	1.007	375	2	0.20	0.04	32	1.00		1.05	0.002	9.70	0.019		0.019	1.31	0.046	0.089	1.08	0.99	63.838	63.785	63.567	63.499	63.586	64.779	1/113
1/114	10/82	1/114	8.00	113	0.75	0.206	0.154	48	48	2.137	0.049	7.20	130	46	3	1/77	8.00	113	0.154	0	46	5.466	0.404	375	2	0.41	0.05	32	1.00		1.22	0.009	9.70	0.084		0.084	0.63	0.024	0.167	0.96	0.9	63.758	63.736	63.550	63.515	63.634	64.699	1/114
TE/115	9/82	1/115 2/115 3/115	0.00	0		0.000	0.000	0	0					0	0		8.41	111	0.247	0	76	34.138	6.000	375	2	0.69	0.28					0.024	0.00	0.000		0.000	5.11	1.802	0.107	2.93	2.69	65.904	63.856	65.730	63.985	65.730	67.173	TE/115

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
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DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE

ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER CALCULATIONS 39% AEP STORM - SHEET 2

JOB CODE: MIR-0802
SHEET NUMBER: C441
REV: B

LOCATION			TIME			SUB-CATCHMENT RUNOFF				INLET DESIGN					DRAIN DESIGN									HEADLOSSES											PART FULL		DESIGN LEVELS						RUNOFF			
			tc	I	C	A	CA	Q			Qg	Qb			tc	I	CA		Qp	L	S			Vf=Q/A			STRUCTURE RATIOS			V2/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn									
STRUCTURE NUMBER	DOWNSTREAM STRUCTURE	SUB-CATCHMENTS CONTRIBUTING	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	CO-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE NUMBER	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C x A)	SUM ADDITIONAL PIPE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE/BOX DIMENSIONS	CLASS	FULL PIPE VELOCITY	TIME OF FLOW IN REACH	CHARTS USED	Qg/Qo	Du/Do	S/Do	VELOCITY HEAD	UPSTREAM HEADLOSS CO-EFFICIENT	UPSTREAM HEADLOSS	W.S.E. CO-EFFICIENT	CHANGE IN W.S.E.	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (L x Sf)	NORMAL DEPTH	NORMAL DEPTH VELOCITY	UPSTREAM OBVERT LEVEL	DOWNSTREAM OBVERT LEVEL	UPSTREAM H.G.L.	DOWNSTREAM H.G.L.	W.S.E.	SURFACE OR GRATE LEVEL	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	DEPTH x VELOCITY PRODUCT	STRUCTURE NUMBER
			min	mm/h		ha	ha	l/s	l/s	%	l/s	l/s		min	mm/h	ha	l/s	l/s	m	%	mm		m/s	min					m			m		%	m	m	m/s	m	m	m	m	m	m	l/s	l/s	m^2/s	
TE1/5	6/5	1/80 1/81 1/5 2/5 3/5 4/5	0.00	0		0.000	0.000	0	0	5.02	0	0		8.65	245	1.324	0	579	56.104	4.272	525	2	2.67	0.47					0.365	0.00	0.000		0.000	2.71	1.542	0.309	4.37	57.337	54.941	57.300	55.783	57.300	58.580		0		TE1/5
6/5	7/5	1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5	0.00	0		0.000	0.000	0	747		0	747	1/75	8.91	243	1.683	0	598	6.574	1.000	600	2	2.11	0.05	34 37	0.00	1.00	2.40	0.228	0.33	0.075		0.075	0.95	0.062	0.478	2.47	54.941	54.875	55.708	55.645	55.783	56.221	1929	747		6/5
7/5	8/5	1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5												8.97	242	2.773	0	851	27.373	1.300	675	2	2.38	0.23	37 42 43	0.00	1.00	2.16	0.289	1.11	0.320	1.15	0.331	1.02	0.280	0.495	3.03	54.875	54.519	55.325	55.045	55.656	56.228				7/5
8/5	9/5	1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5	0.00	0		0.000	0.000	0	424		0	424	1/72	9.19	240	2.969	0	957	49.552	1.613	675	2	2.67	0.41	33 34	0.00	1.00	2.07	0.365	0.24	0.086		0.086	1.30	0.642	0.499	3.37	54.319	53.520	54.958	54.316	55.045	55.659	1787	424		8/5
9/5	10/5	1/72 1/73 2/73 1/74 1/75 1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5	0.00	0		0.000	0.000	0	861		0	861	1/70	9.37	239	3.672	0	1334	64.059	1.000	750	2	3.02	0.53	33 34	0.00	1.00	1.99	0.465	0.25	0.118		0.118	1.43	0.919	0.750	3.02	53.575	52.934	54.199	53.280	54.316	54.777	1787	861		9/5
10/5	11/5	1/70 1/71 1/72 1/73 2/73 1/74 1/75 1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5												9.90	234	4.222	0	1688	56.761	2.433	750	2	3.82	0.47	33 34	0.00	1.00	1.49	0.745	0.26	0.193		0.193	2.30	1.305	0.597	4.48	52.914	51.533	53.087	51.782	53.280	54.032				10/5
11/5	12/5	1/69 1/69A 1/70 1/71 1/72 1/73 2/73 1/74 1/75 1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5												10.37	230	4.615	0	2046	32.237	3.003	750	2	4.63	0.27	33 34	0.00	1.00	1.38	1.095	0.26	0.283		0.283	3.18	0.922	0.669	4.92	51.513	50.545	51.500	50.474	51.782	52.487				11/5
12/5	13/5	1/65 1/67 1/68 1/66 2/66 3/66 1/69 1/69A 1/70 1/71 1/72 1/73 2/73 1/74 1/75 1/76 2/76 3/76 4/76 1/77 2/77 3/77 4/77 1/78 1/79 1/80 1/81 1/5 2/5 3/5 4/5												10.56	229	5.980	0	2772	17.946	2.779	1050	2	3.20	0.15	34	0.00	0.91	1.05	0.523	0.10	0.052		0.052	2.85	0.498	0.592	5.51	50.545	50.046	50.422	49.909	50.474	52.039				12/5
13/5																																									49.909	51.706				13/5
1/64	2/64	1/64	8.00	252	1.00	0.076	0.076	53	1151	0.95	8	1144	3/64	8.00	252	0.076	0	8	5.068	1.004	450	2	0.05	0.04	32	1.00		2.96	0.000	3.88	0.000		0.000	0.00	0.000	0.051	0.77	51.009	50.958	51.892	51.892	51.892	51.892	1548	1151		1/64
2/64	3/64	1/64 2/64	8.00	252	1.00	0.213	0.213	149	928	1.68	216	712	1/64	8.00	252	0.289	0	223	12.002	1.200	525	2	1.03	0.10	32 42 46 43 47	0.97	0.86	2.70	0.045	4.28	0.192	4.29	0.193	0.22	0.027	0.254	2.15	51.001	50.857	51.699	51.673	51.892	51.969	1929	928	0.23	2/64
3/64	13/5	1/64 2/64 3/64	8.00	252	1.00	0.275	0.275	193	2179	0.32	450	1729	13/5	8.10	251	0.564	0	672	15.591	2.032	600	2	2.38	0.13	32 34 37	0.67	0.88	2.39	0.288	2.90	0.835		0.835	2.82	0.194	0.396	3.39	50.912	50.595	50.838	50.391	51.673	51.969	2752	2179		3/64
13/5																																									49.909	51.706				13/5
1/65	12/5	1/65	8.00	252	1.00	0.136	0.136	95	899	1.05	250	649	3/64	8.00	252	0.136	0	250	11.358	1.014	375	2	2.26	0.10	32	1.00		3.53	0.261	3.23	0.842		0.842	2.16	0.232	0.375	2.26	50.949	50.834	51.056	50.807	51.898	51.898	1787	899		1/65
4/66	5/66	1/66 2/66 3/66												8.49	247	0.777	0	280	30.906	4.217	375	2	2.54	0.26	37	0.00	1.00	1.75	0.329	0.74	0.243		0.243	2.56	0.790	0.249	3.60	52.946	51.643	52.983	52.193	53.226	53.959				4/66
5/66	12/5	1/67 1/68 1/66 2/66 3/66												8.75	245	1.238	0	564	25.486	2.585	450	2	3.55	0.21	34 37	0.00	1.00	2.22	0.642	0.33	0.215		0.215	3.93	0.997	0.450	3.55	51.643	50.984	51.978	50.976	52.193	52.721				5/66
1/67	5/66	1/67	8.00	252	1.00	0.201	0.201	141	207	4.05	124	84	1/65	8.00	252	0.201	0	124	10.286	3.130	375	2	1.12	0.09	32	1.00		2.42	0.064	5.25	0.336		0.336	0.50	0.052	0.165	2.64	52.050	51.728	52.245	52.193	52.581	53.024	1714	207	0.14	1/67
1/68	5/66	1/68	8.00	252	1.00	0.259	0.259	182	368	4.05	175	193	3/64	8.00	252	0.259	0	175	3.116	1.021	375	2	1.59	0.03	32	1.00		3.35	0.128	3.42	0.439		0.439	1.00	0.032	0.307	1.81	51.781	51.749	52.225	52.193	52.663	52.721	1714	368	0.20	1/68
1/69	11/5	1/69	8.00	252	1.00	0.206	0.206	144	602	2.82	216	386	1/64	8.00	252	0.206	0	216	11.517	2.745	375	2	1.96	0.10	32	1.00		3.07	0.195	3.10	0.606		0.606	1.52	0.177	0.242	2.86	51.790	51.474	51.960	51.782	52.565	52.756	1815	602	0.26	1/69
1/69A	11/5	1/69A	8.00	252	1.00	0.187	0.187	131	932	2.82	212	720	1/65	8.00	252	0.187	0	212	5.658	0.406	375	2	1.92	0.05	32	1.00		3.50	0.187	3.26	0.609		0.609	1.45	0.083	0.375	1.92	51.536	51.513	51.866	51.782	52.475	52.476	1815	932	0.33	1/69A
1/70	10/5	1/70	8.00	252	1.00	0.222	0.222	155	1016	1.81	215	801	1/69A	8.00	252	0.222	0	215	5.274	1.002	375	2	1.95	0.04	32	1.00		3.50	0.194	3.26	0.632		0.632	1.51	0.080	0.375	1.95	53.053	53.000	53.359	53.280	53.991	53.993	1904	1016	0.33	1/70
1/71	10/5	1/71	8.00	252	1.00	0.328	0.328	230	673	1.54	216	457	1/69	8.00	252	0.328	0	216	6.059	1.668	375	2	1.96	0.05	32	1.00		3.43	0.195	3.33	0.650		0.650	1.52	0.095	0.297	2.30	53.112	53.011	53.375	53.280	54.025	54.072	1929	673	0.25	1/71
1/72	9/5	1/72	8.00	252	1.00	0.181	0.181	126	550	1.24	107	443	1/71	8.00	252	0.181	0	107	7.127	1.032	375	2	0.97	0.06	32	1.00		2.91	0.048	3.99	0.191		0.191	0.37	0.027	0.211	1.67	53.817	53.743	54.344	54.316	54.534	54.797	1787	550	0.25	1/72
1/73	2/73	1/73	8.00	252	1.00	0.129	0.129	90	147	4.04	99	48	2/73	8.00	252	0.129	0	99	50.000	5.321	375	2	0.90	0.42	32	1.00		1.68	0.041	6.21	0.255		0.255	3.99	2.054	0.126	3.03	57.289	54.628	57.145	55.148	57.400	58.084	1714	147	0.12	1/73
2/73	9/5	1/73 2/73	8.00	252	1.00	0.183	0.183	128	176	4.97	111	65	1/75	8.42	248	0.312	0	206	36.523	3.002	375	2	1.87	0.30	32 33 34	0.53	1.00	2.44	0.178	1.83	0.326		0.326	1.38	0.506	0.227	2.96	54.608	53.512	54.823	54.316	55.148	55.669	1680	176	0.13	2/73
1/74	9/5	1/74	6.00	275	1.00	0.060	0.060	46	46	0.77	1	44	9/5	6.00	275	0.060	0	1	9.730	1.022	375	2	0.01	0.08	32	1.00		2.72	0.000	4.41	0.000		0.000	0.00	0.000	0.023	0.47	53.671	53.572	54.316	54.316	54.316	54.620	1548	46		1/74
1/75	9/5	1/75	8.00	252	1.00	0.180	0.180	126	939	1.30	122	816	9/5	8.00	252	0.180	0	122	15.493	1.004	375	2	1.11	0.13	32	1.00		3.37	0.062	3.40	0.212		0.212	0.48	0.075	0.230	1.72	53.714	53.558	54.392	54.316	54.604	54.655	1968	939		1/75
1/76	2/76	1/76	8.00	252	1.00	0.057	0.057	40	40	1.06	31	9	2/76	8.00	252	0.057	0	31	15.000	1.001	375	2	0.28	0.13	32	1.00		1.08	0.004	7.00	0.028		0.028	0.02	0.004	0.107	1.20	55.414	55.264	55.332	55.330	55.360	56.354	344	40	0.02	1/76
2/76	3/76	1/76 2/76	8.00	252	1.00	0.049	0.049	35	43	1.06	33	11	3/76	8.13	251	0.106	0	63	15.000	1.000	375	2	0.57	0.13	32 33	0.51	1.00	1.23	0.017	2.17	0.036		0.036	0.13	0.020	0.156	1.46	55.244	55.094	55.293	55.274	55.330	56.194	344	43	0.02	2/76
3/76	4/76	1/76 2/76 3/76	8.00	252	1.00	0.049	0.049	35	45	1.06	34	12	4/76	8.25	249	0.156	0	96	15.741	1.654	375	2	0.87	0.13	33	0.35	1.00	1.53	0.039	1.59	0.061		0.061	0.30	0.047	0.171	1.96	55.074	54.814	55.212	55.165	55.274	56.035	344	45	0.02	3/76
4/76	8/5	1/76 2/76 3/76 4/76	8.00	252	1.00	0.040	0.040	28	40	1.06	31	9	8/5	8.26	249	0.195	0	126	9.563	2.266	375	2	1.14	0.08	33	0.24	1.00	1.99	0.067	1.06	0.071		0.071	0.52	0.050	0.183	2.36	54.794	54.577	55.094	55.045	55.165	55.867	344	40	0.02	4/76
1/77	2/77	1/77	8.00	252	1.00	0.290	0.290	203	250	4.14	84	166	2/77	8.00	252	0.290	0	84	34.355	4.079	375	2	0.76	0.29	32	1.00		1.53	0.029	6.85	0.200		0.200	2.04	0.758	0.124	2.62	60.885	59.483	60.721	60.021	60.921	61.859	1714	250	0.16	1/77
2/77	3/77	1/77 2/77	8.00	252	1.00	0.190	0.190	133	299	4.69	155	144	4/77	8.29	249	0.480	0	235	46.887	5.725	375	2	2.13	0.39	32 34 37	0.65	1.00	2.57	0.231	2.55	0.590		0.590	3.54	1.682	0.201	3.90	59.463	56.779	59.431	57.770	60.021	60.437	1680	299	0.18	2/77
3/77	4/77	1/77 2/77 3/77	8.00	252	1.00	0.281	0.281	197	197	5.78	87	109	1/78	8.68	245	0.762	0	312	36.529	4.279	375	2	2.82	0.30	33 34	0.27	1.00	3.70	0.407	0.97	0.395		0.395	3.16	1.156	0.268	3.69	56.759	55.196	57.374	56.218	57.770	57.819	1631	197	0.15	3/77
4/77	7/5	1/77 2/77 3/77 4/77	8.00	252	1.00	0.330	0.330	231	375	2.60	-40	415	8/5	8.70	245	1.081	0	258	3.403	4.110	450	2	1.62	0.03	37 42 43	0.00	0.83	2.38	0.135	0.80	0.108	1.05	0.142	0.82	0.029	0.212	3.50	55.196	55.056	55.674	55.645	55.816	56.218	1815	375	0.18	4/77
1/78	6/5	1/78	8.00	252	1.00	0.129	0.129	90	555	1.73	2	554	6/5	8.00	252	0.129	0	2	8.625	1.020	375	2	0.01	0.07	32	1.00		2.51	0.000	4.89	0.000		0.000	0.00	0.000	0.025	0.49	55.218	55.130	55.783	55.783	55.783	56.159	1929	555		1/78
1/79	6/5	1/79	8.00	252	1.00	0.244	0.244	171	239	2.43	46	193	6/5	8.00	252	0.244	0	46	9.393	1.019	375	2	0.41	0.08	32	1.00		2.64	0.009	4.60	0.040		0.040	0.07	0.006	0.131	1.33	55.216	55.120	55.789	55.783	55.829	56.192	1867	239	0.14	1/79

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE

ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER CALCULATIONS 1% AEP STORM - SHEET 1

JOB CODE: MIR-0802
SHEET NUMBER: C442
REV: B

LOCATION			TIME			SUB-CATCHMENT RUNOFF				INLET DESIGN					DRAIN DESIGN									HEADLOSSES											PART FULL		DESIGN LEVELS						RUNOFF			
			tc	I	C	A	CA	Q			Qg	Qb		tc	I	CA		Qp	L	S			Vf=Q/A			STRUCTURE RATIOS			V2/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn									
STRUCTURE NUMBER	DOWNSTREAM STRUCTURE	SUB-CATCHMENTS CONTRIBUTING	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	CO-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE NUMBER	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C x A)	SUM ADDITIONAL PIPE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE/BOX DIMENSIONS	CLASS	FULL PIPE VELOCITY	TIME OF FLOW IN REACH	CHARTS USED	Qg/Qo	Du/Do	S/Do	VELOCITY HEAD	UPSTREAM HEADLOSS CO-EFFICIENT	UPSTREAM HEADLOSS	W.S.E. CO-EFFICIENT	CHANGE IN W.S.E.	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (L x Sf)	NORMAL DEPTH	NORMAL DEPTH VELOCITY	UPSTREAM OBVERT LEVEL	DOWNSTREAM OBVERT LEVEL	UPSTREAM H.G.L.	DOWNSTREAM H.G.L.	W.S.E.	SURFACE OR GRATE LEVEL	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	DEPTH x VELOCITY PRODUCT	STRUCTURE NUMBER
			min	mm/h		ha	ha	l/s	l/s	%	l/s	l/s		min	mm/h	ha	l/s	l/s	m	%	mm		m/s	min					m		m		m	%	m	m	m/s	m	m	m	m	m	m	l/s	l/s	m^2/s	
		2/82 3/82 4/82 8/82																																												
9/82	10/82	1/115 2/115 3/115 1/131A 1/131B 2/131B 1/132 1/133 1/134 2/134 1/135 1/136 1/137 1/82 2/82 3/82 4/82 8/82	0.00	0		0.000	0.000	0	0		0	0	1/113	9.95	233	3.852	0	1100	17.447	1.008	750	2	2.49	0.15	37 42 43	0.00	1.00	1.43	0.316	1.00	0.315	1.02	0.324	1.22	0.170	0.604	2.88	63.963	63.788	63.855	63.642	64.179	65.575		0		9/82
10/82	11/82	1/113 1/114 1/115 2/115 3/115 1/131A 1/131B 2/131B 1/132 1/133 1/134 2/134 1/135 1/136 1/137 1/82 2/82 3/82 4/82 8/82												10.10	232	4.149	0	1223	48.442	2.025	750	2	2.77	0.40	33 34	0.00	1.00	1.12	0.391	0.24	0.092		0.092	1.24	0.653	0.494	3.96	63.288	62.307	63.205	62.603	63.297	64.768				10/82
11/82																																									62.603	63.629				11/82
1/113	10/82	1/113	8.00	252	1.00	0.092	0.092	64	64	4.68	54	10	1/111	8.00	252	0.092	0	54	5.177	1.007	375	2	0.49	0.04	32	1.00		1.32	0.012	9.70	0.120		0.120	1.50	0.042	0.143	1.40	63.838	63.785	63.632	63.554	63.752	64.779	1680	64	0.09	1/113
1/114	10/82	1/114	8.00	252	1.00	0.206	0.206	144	144	7.20	97	47	1/77	8.00	252	0.206	0	97	5.466	0.404	375	2	0.88	0.05	32	1.00		1.84	0.040	7.89	0.313		0.313	0.93	0.028	0.272	1.13	63.758	63.736	63.641	63.590	63.955	64.699	1567	144	0.11	1/114
TE/115	9/82	1/115 2/115 3/115	0.00	0		0.000	0.000	0	0		0	0		8.41	248	0.329	0	182	34.138	6.000	375	2	1.65	0.28					0.139	0.00	0.000		0.000	4.90	1.708	0.171	3.73	65.904	63.856	65.841	64.170	65.841	67.173		0		TE/115

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
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DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE

ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER CALCULATIONS 1% AEP STORM - SHEET 2

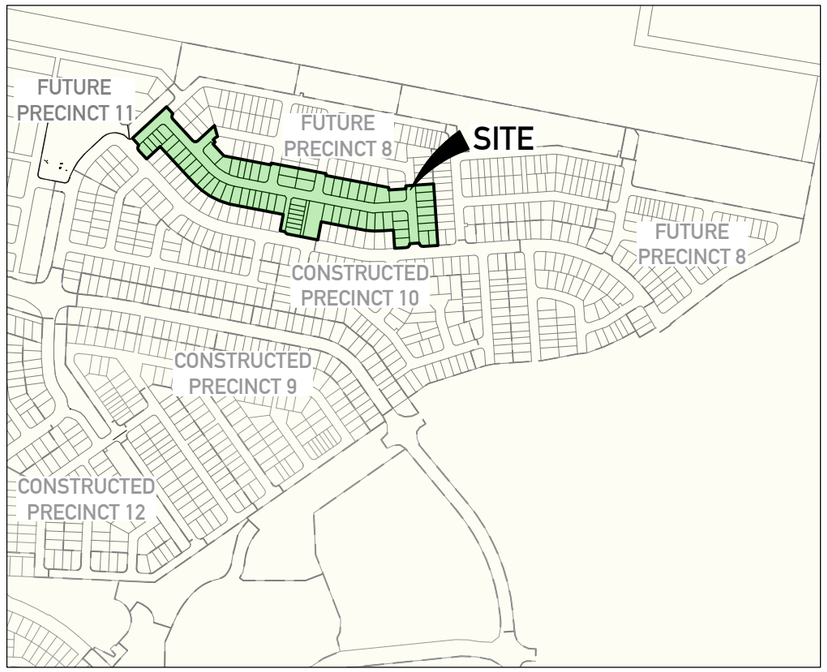
JOB CODE: MIR-0802
SHEET NUMBER: C443
REV: B

EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC QLD PTY LTD

SEWERAGE



LOCALITY PLAN

REAL PROPERTY DESCRIPTION

LOT 205 & 434 on RP845844
LOT 9 on S312355

NAME OF ESTATE		EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
SUBDIVIDER		Mirvac QLD Pty Ltd
APPLICATION No.		DEV2022/1277
SP DELEGATE APPROVAL DATE		11/11/2022
COUNCIL DA APPROVAL No.		-
DRAWING/PLAN No.		C510-C511
No. OF ALLOTMENTS		66
AREA ha		3.99ha
LENGTH OF SEWERS	DN150 uPVC SN8	1,139m

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND SEWERAGE CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. SEWERAGE WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE SEQ SERVICE PROVIDER SEWERAGE SYSTEM.
4. ALL WORK ASSOCIATED WITH LIVE SEWERS OR MAINTENANCE HOLES SHALL BE CARRIED OUT BY THE CONTRACTOR UNDER LOGAN WATER SUPERVISION AT THE DEVELOPER'S COST.
5. ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE "ACCEPTED PRODUCTS AND MATERIALS" LIST.
6. EACH ALLOTMENT SHALL BE SERVED BY A DN100 PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN150 PROPERTY CONNECTION SHALL BE PROVIDED.
7. PROPERTY CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS.
8. PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 300mm AND A MAXIMUM OF 750mm.
9. WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIALS MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING SHALL BE CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY THE SEQ SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
10. WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER,BULKHEADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SEQ SEWER CODE.
11. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
12. SEWERS SHALL BE DISUSED /ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ SEWER CODE.
13. BENCH MARK AND LEVELS TO AHD.
14. REFER TO BULK EARTHWORKS DRAWINGS FOR FINISHED SURFACE LEVELS.
15. ALL SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT. FOR INFORMATION PHONE: 1300 369 915.
16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO ALLOW CONSTRUCTION OF THE SEWER SYSTEM.
17. THE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION AND SAFE SHORING TO ALLOW SEWER MAINTENANCE SECTION TO CARRY OUT LIVE SEWER WORK.
18. CONSTRUCT TRENCHES TO SEQ-SEW-1200-2, WITH EMBEDMENT TYPE 3 SUPPORT MINIMUM TO SEQ-SEW-1201-1, AND ROAD CROSSINGS TO SEQ-SEW-1205-1 AND LCC STANDARDS.
19. CONSTRUCT PROPERTY CONNECTIONS TO SEQ-SEW-1100 SERIES.
20. CONSTRUCT MAINTENANCE STRUCTURES TO SEQ-SEW-1300 SERIES.
21. CONSTRUCT BULKHEADS TO SEQ-SEW-1206-1.
22. INSTALL DETECTABLE MARKER TAPE ON ALL MAINS AND PROPERTY CONNECTIONS.
23. CALCAREOUS CONCRETE IN MAINTENANCE HOLES REQUIRED IN ACCORDANCE WITH SEQ WS&S D&C CODE REQUIREMENTS.
24. CCTV OF SEWER TO BE UNDERTAKEN AND SUPPLIED TO SUPERINTENDENT PRIOR TO, BUT NO GREATER THAN 2 WEEKS BEFORE, THE ON-SITE INSPECTION FOR OFF MAINTENANCE.

VEGETATION PROTECTION

A. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
B. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES S HALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
C. TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
D. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST

SOIL

A. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
B. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
C. IF ACID SULPHATE SOILS EXIST IN THE WORKS AREA, ACID SULPHATE SOILS ARE TO MANAGED IN ACCORDANCE WITH AN APPROVED ACID SULPHATE SOIL MANAGEMENT PLAN.

CREEK CROSSINGS

A. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
B. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
C. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

A. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
B. PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

SAFETY

A. THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

INDEMNITY - EXISTING SERVICES

NOT WITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

ALL ENVIRONMENT PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO COMMENCING ANY CONSTRUCTION WORK, INCLUDING CLEARING.

ALL SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORKPLACE HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF HEALTH & SAFETY FOR INFORMATION.
PHONE: 1300 369 915

CONTACT "DIAL BEFORE YOU DIG" ON 1100 FOR LOCATION OF EXISTING PUBLIC SERVICES PRIOR TO EXCAVATION.

TRENCH SPOIL NOTE:

SPOILAGE OF EXCESS MATERIAL TO BE PLACED IN FUTURE FILL AREA AS NOMINATED BY THE SUPERINTENDENT INCLUDING ALL LEVEL ONE COMPACTION REQUIREMENTS AND TESTING IN ACCORDANCE WITH MORRISON GEOTECHNICAL SPECIFICATION AND ALL LOCAL AUTHORITY STANDARDS, AND SHALL BE FREE DRAINING.

EXCAVATION IN ROCK NOTE:

CONTRACT SHALL INCLUDE TREATING, SIZING CONDITIONING AND PROCESSING ALL TYPES OF ROCK IN ALL EXCAVATIONS. PROCESSING TO BE COMPLETED AS PER MORRISON GEOTECHNICAL REPORTS TO ENSURE LEVEL 1 IS ACHIEVED.

SHEET LIST TABLE

FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

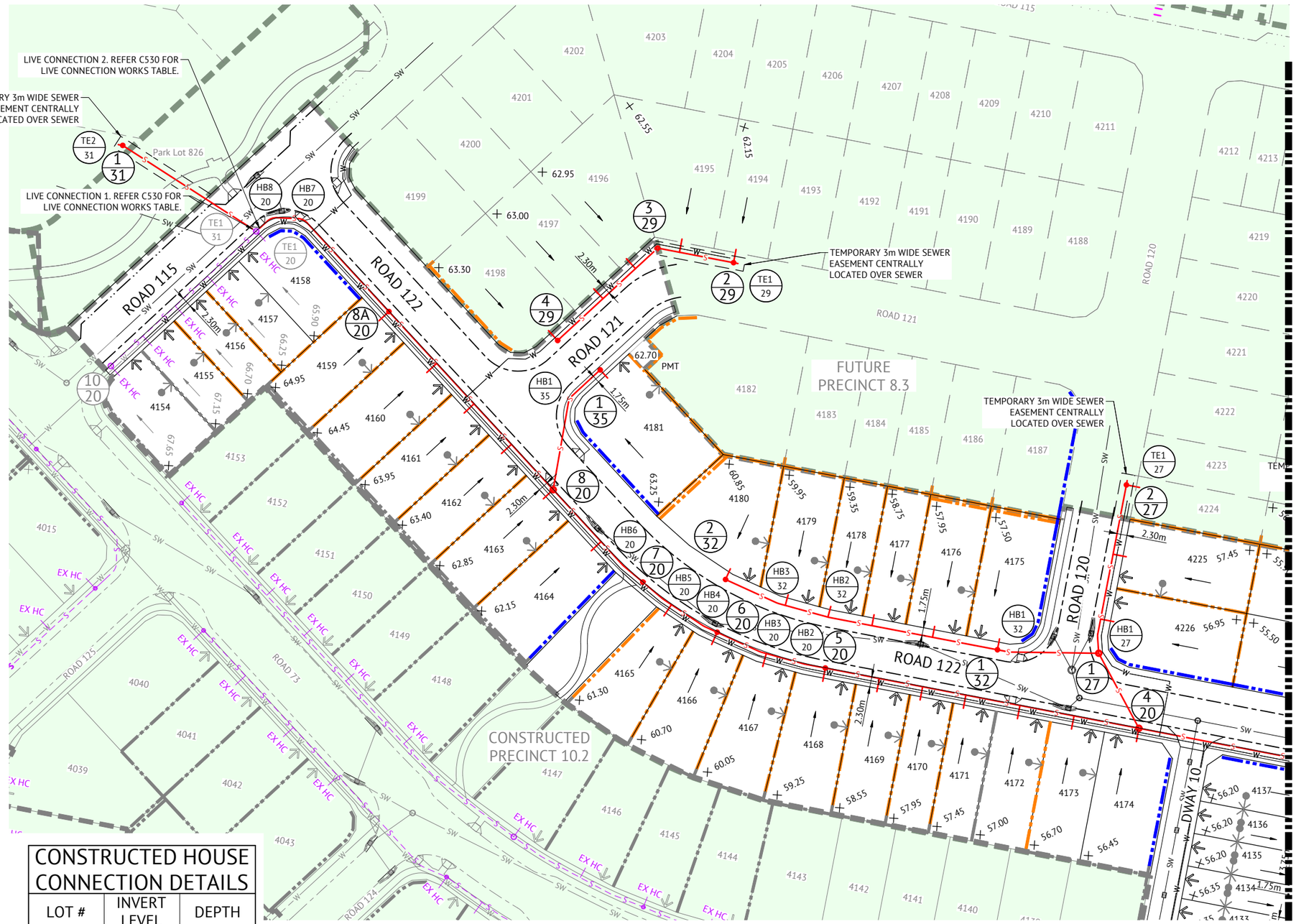
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
0 100 200 300m
SCALE 1:5000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE LOCALITY PLAN & NOTES

JOB CODE MIR-0802
SHEET NUMBER C500
REV B



LEGEND - PROPOSED

- GRAVITY SEWER
- Ø100mm PROPERTY CONNECTION. 7.5m OFFSET FROM SIDE BDY WITH DWAY. 1.2m OFFSET FROM SIDE BDY WITHOUT DWAY. TYPICAL U.N.O.
- MAINTENANCE STRUCTURE
- PROPOSED MAINTENANCE HOLE OR MAINTENANCE SHAFT NUMBER. REFER LONG SECTION DRAWINGS FOR STRUCTURE DETAILS.
- HORIZONTAL BEND (3m RADIUS).
- LOT NUMBER
- STORMWATER DRAINAGE
- DRINKING WATER MAIN
- ELECTRICAL (PROPOSED)
- ZERO LOT LINE
- FUTURE DRIVEWAY LOCATION
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED TERRACE LOT FRONTING PARK RETAINING WALL BY OTHERS
- PROPOSED CONCRETE FOOTPATH & KERB RAMP
- STAGE BOUNDARY
- FALL ARROW
- PAD EXCLUSION ZONE

LEGEND - CONSTRUCTED

- Ø100mm CONSTRUCTED PROPERTY CONNECTION
- GRAVITY SEWER
- SEWER RISING MAIN
- MAINTENANCE STRUCTURE
- STORMWATER DRAINAGE
- DRINKING WATER MAIN
- MAINTENANCE HOLE OR MAINTENANCE SHAFT NUMBER. REFER LONG SECTION DRAWINGS FOR STRUCTURE DETAILS.
- HORIZONTAL BEND (3m RADIUS).

CONSTRUCTED HOUSE CONNECTION DETAILS

LOT #	INVERT LEVEL	DEPTH
4154	66.199	1.250
4155	65.732	1.250
4156	65.264	1.250
4157	64.796	1.250
4158	64.094	1.250
4482	51.436	1.250
4481	51.089	1.250

LAYOUT PLAN
SCALE 1:500

CONTRACTOR TO CONSTRUCT PROPOSED SEWER MANHOLES WITH SUFFICIENT NECK HEIGHT SHOULD FUTURE LAND OWNER REQUIRE ADJUSTMENT TO LID LEVEL TO SUIT POTENTIAL DRIVEWAY.

CONTRACTOR TO ENSURE THAT ALL SLOPED PROPERTY CONNECTIONS LOCATED AT REAR OF LOTS SHALL TERMINATE AT SHORTEST LENGTH POSSIBLE FROM THE JUNCTION WITH THE SEWER MAIN.

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH TO INVERT OF PROPERTY CONNECTION AT 1.5m, UNLESS OTHERWISE STATED.

FOR SEWERAGE RETICULATION NOTES REFER DWG No. C500.

ALL PROPERTY CONNECTIONS DIA 100 PVC UNLESS OTHERWISE DENOTED.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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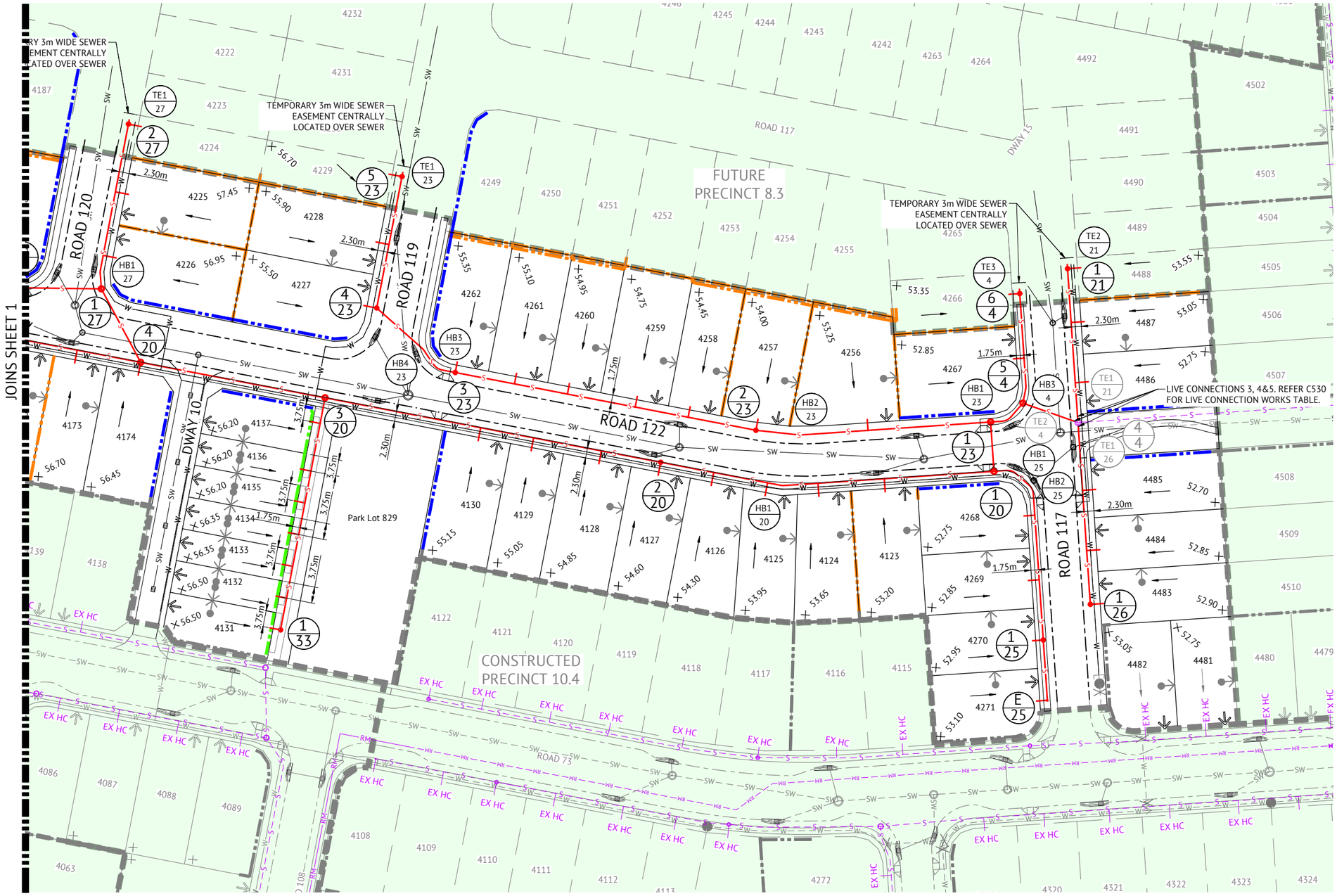
DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112
SCALE 0 10 20 30m SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE LAYOUT PLAN - SHEET 1

JOB CODE MIR-0802
SHEET NUMBER C510
REV B



LAYOUT PLAN

SCALE 1:500

LEGEND - PROPOSED

- S — GRAVITY SEWER
- S — Ø100mm PROPERTY CONNECTION. 7.5m OFFSET FROM SIDE BDY WITH DWAY. 1.2m OFFSET FROM SIDE BDY WITHOUT DWAY. TYPICAL U.N.O.
- S — MAINTENANCE STRUCTURE
- 1/1 — PROPOSED MAINTENANCE HOLE OR MAINTENANCE SHAFT NUMBER. REFER LONG SECTION DRAWINGS FOR STRUCTURE DETAILS.
- HB1/1 — HORIZONTAL BEND (3m RADIUS).
- 38 — LOT NUMBER
- SW — STORMWATER DRAINAGE
- W — DRINKING WATER MAIN
- E — ELECTRICAL (PROPOSED)
- ZERO LOT LINE
- FUTURE DRIVEWAY LOCATION
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED TERRACE LOT FRONTING PARK RETAINING WALL BY OTHERS
- PROPOSED CONCRETE FOOTPATH & KERB RAMP
- STAGE BOUNDARY
- FALL ARROW
- PMT — PAD EXCLUSION ZONE

LEGEND - CONSTRUCTED

- EX HC — Ø100mm CONSTRUCTED PROPERTY CONNECTION
- GRAVITY SEWER
- RM — SEWER RISING MAIN
- MAINTENANCE STRUCTURE
- STORMWATER DRAINAGE
- DRINKING WATER MAIN
- 4/3 — MAINTENANCE HOLE OR MAINTENANCE SHAFT NUMBER. REFER LONG SECTION DRAWINGS FOR STRUCTURE DETAILS.
- HB1/3 — HORIZONTAL BEND (3m RADIUS).

CONTRACTOR TO CONSTRUCT PROPOSED SEWER MANHOLES WITH SUFFICIENT NECK HEIGHT SHOULD FUTURE LAND OWNER REQUIRE ADJUSTMENT TO LID LEVEL TO SUIT POTENTIAL DRIVEWAY.

CONTRACTOR TO ENSURE THAT ALL SLOPED PROPERTY CONNECTIONS LOCATED AT REAR OF LOTS SHALL TERMINATE AT SHORTEST LENGTH POSSIBLE FROM THE JUNCTION WITH THE SEWER MAIN.

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH TO INVERT OF PROPERTY CONNECTION AT 1.5m, UNLESS OTHERWISE STATED.

FOR SEWERAGE RETICULATION NOTES REFER DWG No. C500.

ALL PROPERTY CONNECTIONS DIA 100 PVC UNLESS OTHERWISE DENOTED.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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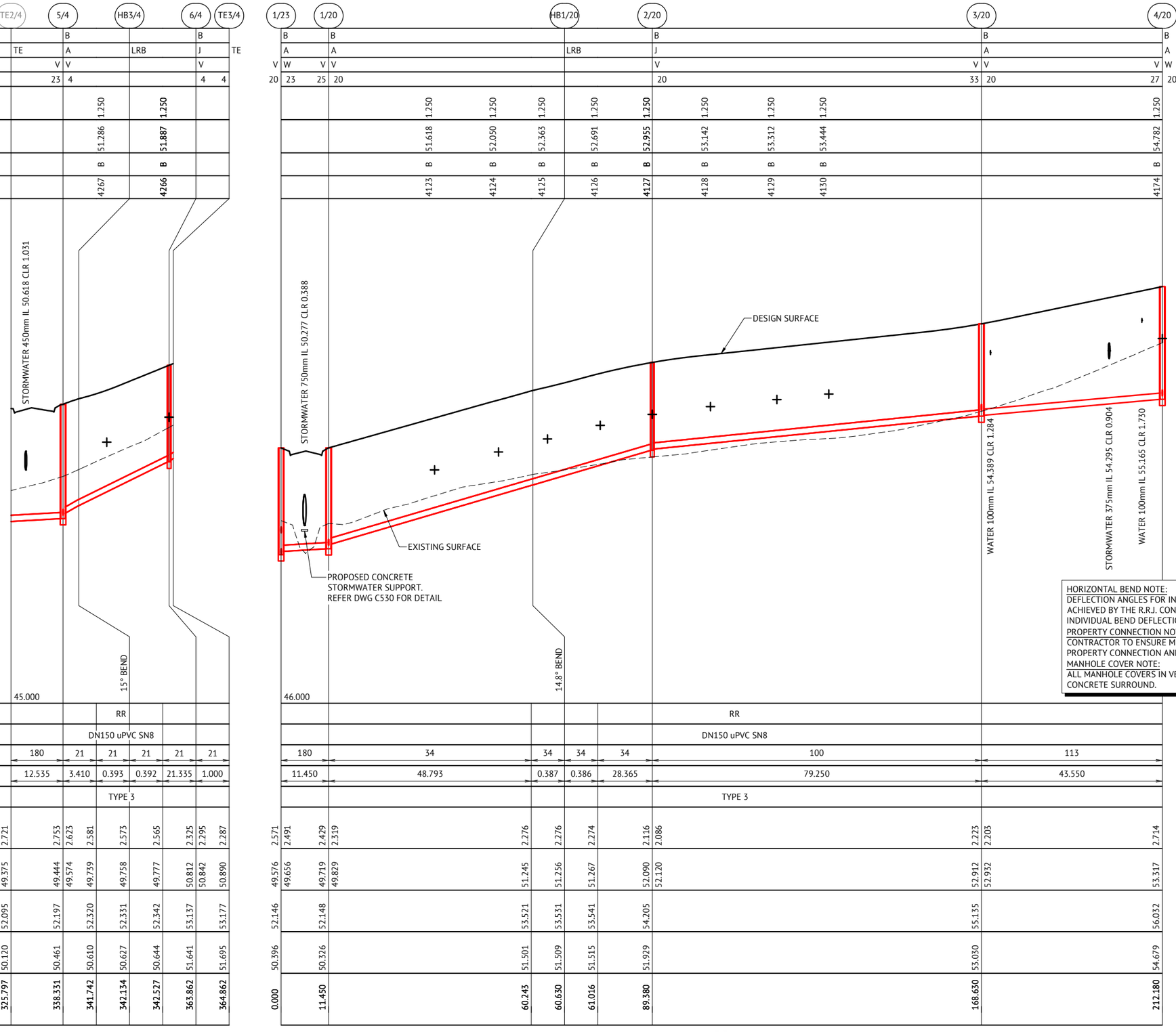
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE
0 10 20 30m
SCALE 1:500 (A1)
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: SEWERAGE LAYOUT PLAN - SHEET 2

JOB CODE: MIR-0802
SHEET NUMBER: C511
REV: B



LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.05Ø
B	CONCRETE MANHOLE 1.20Ø
C	CONCRETE MANHOLE 1.50Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
LRB	HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES	
B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

MAINTENANCE STRUCTURE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP
Z	MAINTENANCE SHAFT DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL
D(E)	TYPE D - EXTENDED

NOTES:
1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).
2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.

HORIZONTAL BEND NOTE:
DEFLECTION ANGLES FOR IN LINE BENDS EXCEEDING 45° SHALL BE ACHIEVED BY THE R.R.J. CONNECTION OF TWO BENDS (MAXIMUM 45° INDIVIDUAL BEND DEFLECTION ANGLE).

PROPERTY CONNECTION NOTE:
CONTRACTOR TO ENSURE MINIMUM CLEARANCE BETWEEN PROPOSED PROPERTY CONNECTION AND PROPOSED WATER MAIN IS ACHIEVED.

MANHOLE COVER NOTE:
ALL MANHOLE COVERS IN VERGE WITHOUT FOOTPATH TO HAVE CONCRETE SURROUND.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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WEB: www.premise.com.au

DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:500 (A1)
0 10 20 30m
VERTICAL 1:50 (A1)
0 1 2 3m
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 1

JOB CODE MIR-0802
SHEET NUMBER C520
REV B

MAINTENANCE HOLE / SHAFT NO.

MAINTENANCE HOLE / SHAFT NO.	MH / MS COVER TYPE	MH / MS TYPE	MH DROP TYPE	LINE NO.
4/20	B	A	V / W	27 / 20
5/20	B	J	V	20
HB2/20		LRB		
HB3/20		LRB		
6/20	B	J	V	20
HB4/20		LRB		
HB5/20		LRB		
7/20	B	J	V	20
HB6/20		LRB		
8/20	B	A	V / V	35 / 20
8A/20	B	J	V	20
HB7/20		LRB		
HB8/20		LRB		
TE1/20		TE		

LOT NO.	PROPERTY CONNECTION DEPTH	PROPERTY CONNECTION INVERT LEVEL	PROPERTY CONNECTION TYPE
4174	1.250	54.782	B
4173	1.250	55.094	B
4172	1.250	55.468	B
4171	1.250	56.034	B
4170	1.250	56.602	B
4169	1.250	57.180	B
4168	1.250	57.903	B
4167	1.250	58.660	B
4166	1.250	59.289	B
4165	1.250	59.817	B
4164	1.250	60.656	B
4163	1.250	61.320	B
4162	1.250	61.900	B
4161	1.250	62.405	B
4160	1.250	62.762	B
4159	1.250	62.957	B

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

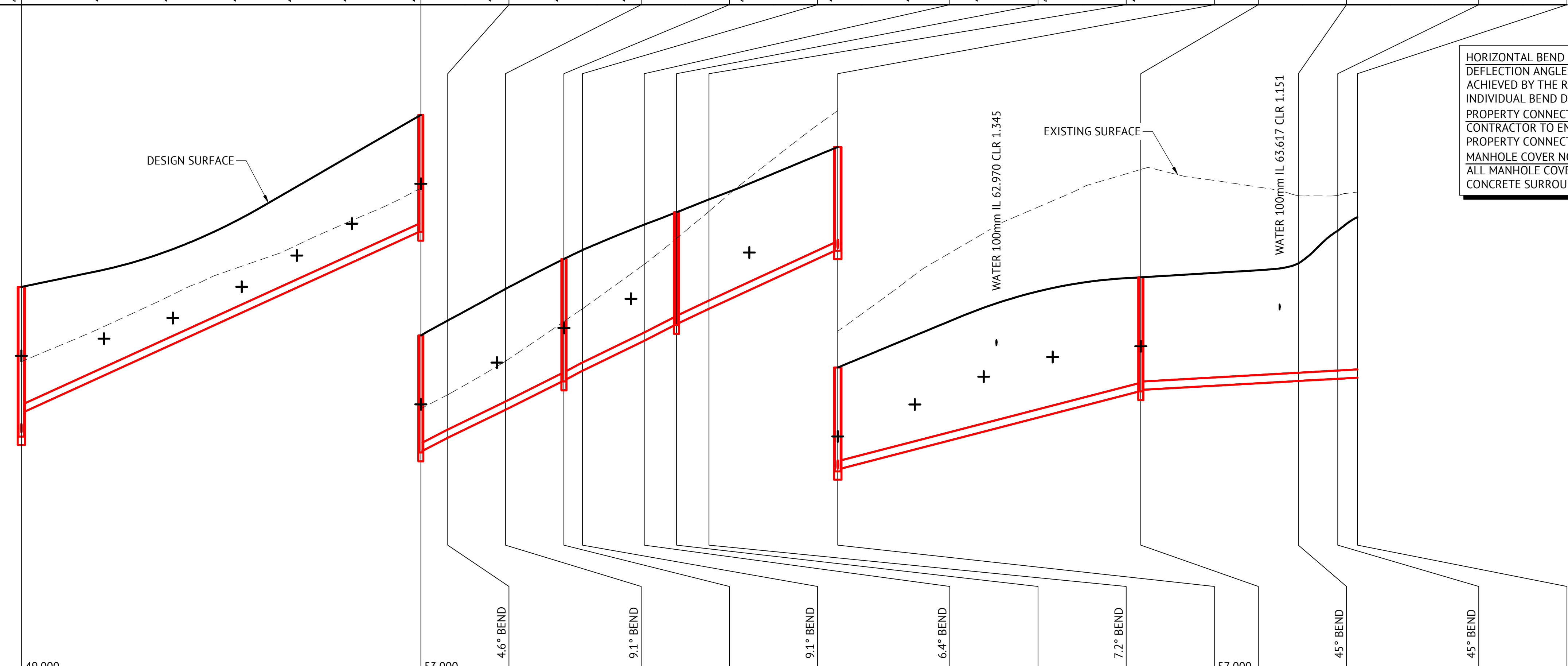
MANHOLE TYPES	
A	CONCRETE MANHOLE 1.050Ø
B	CONCRETE MANHOLE 1.200Ø
C	CONCRETE MANHOLE 1.500Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
LRB	HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES	
B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

MAINTENANCE STRUCTURE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP
Z	MAINTENANCE SHAFT DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL
D(E)	TYPE D - EXTENDED

NOTES:
1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).
2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.



HORIZONTAL BEND NOTE:
DEFLECTION ANGLES FOR IN LINE BENDS EXCEEDING 45° SHALL BE ACHIEVED BY THE R.R.J. CONNECTION OF TWO BENDS (MAXIMUM 45° INDIVIDUAL BEND DEFLECTION ANGLE).
PROPERTY CONNECTION NOTE:
CONTRACTOR TO ENSURE MINIMUM CLEARANCE BETWEEN PROPOSED PROPERTY CONNECTION AND PROPOSED WATER MAIN IS ACHIEVED.
MANHOLE COVER NOTE:
ALL MANHOLE COVERS IN VERGE WITHOUT FOOTPATH TO HAVE CONCRETE SURROUND.

DATUM RL: 49.000 (at CH 212.180), 53.000 (at CH 284.680), 57.000 (at CH 360.343)

PROPERTY DESCRIPTION: RR
PIPE SIZE (mm), CLASS: DN150 uPVC SN8
EMBEDMENT TYPE: TYPE 3

CHAINAGE (CH)	GRADE (1 IN X)	LENGTH	DEPTH OF INVERT BELOW FSL	INVERT LEVEL (IL)	FINISHED SURFACE LEVEL (FSL)	EXISTING SURFACE LEVEL (ESL)
212.180			2.714 / 2.264	53.317 / 53.767	56.032	54.679
284.680	22	72.500	2.123 / 2.093	57.030 / 57.060	59.153	57.824
289.441	21	4.761	2.126	57.291	59.417	58.071
289.560	21	0.119	2.127	57.297	59.423	58.077
289.679	21	0.119	2.127	57.303	59.430	58.084
299.792	21	10.112	2.189	57.793	59.982	58.669
300.031	21	0.239	2.191	57.805	59.996	58.684
300.269	21	0.238	2.192	57.816	60.008	58.700
310.650	21	10.382	2.219 / 2.189	58.320 / 58.350	60.539	59.406
313.759	21	3.109	2.189	58.500	60.689	59.619
313.997	21	0.238	2.188	58.512	60.700	59.635
314.236	21	0.238	2.187	58.524	60.711	59.651
325.053	21	10.818	2.108	59.048	61.156	60.429
325.222	21	0.168	2.106	59.056	61.163	60.441
325.390	21	0.168	2.105	59.065	61.169	60.454
331.089	21	5.699	2.045 / 2.015	59.341 / 59.371	61.386	60.912
336.787	22	5.699	1.985	59.627	61.612	61.386
336.976	22	0.189	1.984	59.636	61.620	61.402
337.166	22	0.189	1.982	59.644	61.627	61.418
360.343	22	23.177	1.883 / 1.835	60.687 / 60.736	62.570	63.229
415.343	39	55.000	2.069 / 2.039	62.138 / 62.168	64.207	66.163
442.749	180	27.406	2.091	62.320	64.412	65.714
443.927	180	1.178	2.132	62.327	64.459	65.686
445.105	180	1.178	2.206	62.333	64.540	65.681
449.905	180	4.800	2.611	62.360	64.972	65.681
451.083	180	1.178	2.684	62.367	65.051	65.692
452.261	180	1.178	2.771	62.373	65.144	65.725
454.667	180	2.406	2.911	62.387	65.298	65.753

LINE 20

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:500 (A1) 0 10 20 30m
VERTICAL 1:50 (A1) 0 1 2 3m
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 2

JOB CODE MIR-0802
SHEET NUMBER C521
REV B

MAINTENANCE HOLE / SHAFT DETAILS

Line 21

MAINTENANCE HOLE / SHAFT NO.	TE1/21			1/21	TE2/21
MH / MS COVER TYPE				B	
MH / MS TYPE	TE			J	TE
MH DROP TYPE				V	
LINE NO.				21 21	
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250		
PROPERTY CONNECTION INVERT LEVEL	51.050	51.546	52.052		
PROPERTY CONNECTION TYPE	B	B	B		
LOT NO.	4486	4487	4488		

Line 23

MAINTENANCE HOLE / SHAFT NO.	MH / MS COVER TYPE	MH / MS TYPE	MH DROP TYPE	LINE NO.
5/4	B	A	V V	23 4
HB1/23		LRB		
1/23	B	A	V W	20 23
HB2/23		LRB		
2/23	B	J	V	23
3/23	B	J	V	23
HB3/23		LRB		
HB4/23		LRB		
4/23	B	J	V	23
5/23	B	J	V	23 23
TE1/23		TE		

PROPERTY CONNECTION DEPTH	PROPERTY CONNECTION INVERT LEVEL	PROPERTY CONNECTION TYPE	LOT NO.
1.250	51.701	B	4256
1.250	52.476	B	4257
1.250	52.874	B	4258
1.250	53.076	B	4259
1.250	53.249	B	4260
1.250	53.381	B	4261
1.250	53.529	B	4262
1.250	53.729	B	4227
1.250	54.469	B	4228
1.250	55.265	B	4229

Line 25

MAINTENANCE HOLE / SHAFT NO.	1/20	HB1/25
MH / MS COVER TYPE	B	
MH / MS TYPE	A	LRB
MH DROP TYPE	V V	
LINE NO.	25 20	

LEGEND

RR	DENOTES ROAD RESERVE
PP	DENOTES PRIVATE PROPERTY

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.050Ø
B	CONCRETE MANHOLE 1.200Ø
C	CONCRETE MANHOLE 1.500Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
LRB	HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES	
B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

MAINTENANCE STRUCTURE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP
Z	MAINTENANCE SHAFT DROP

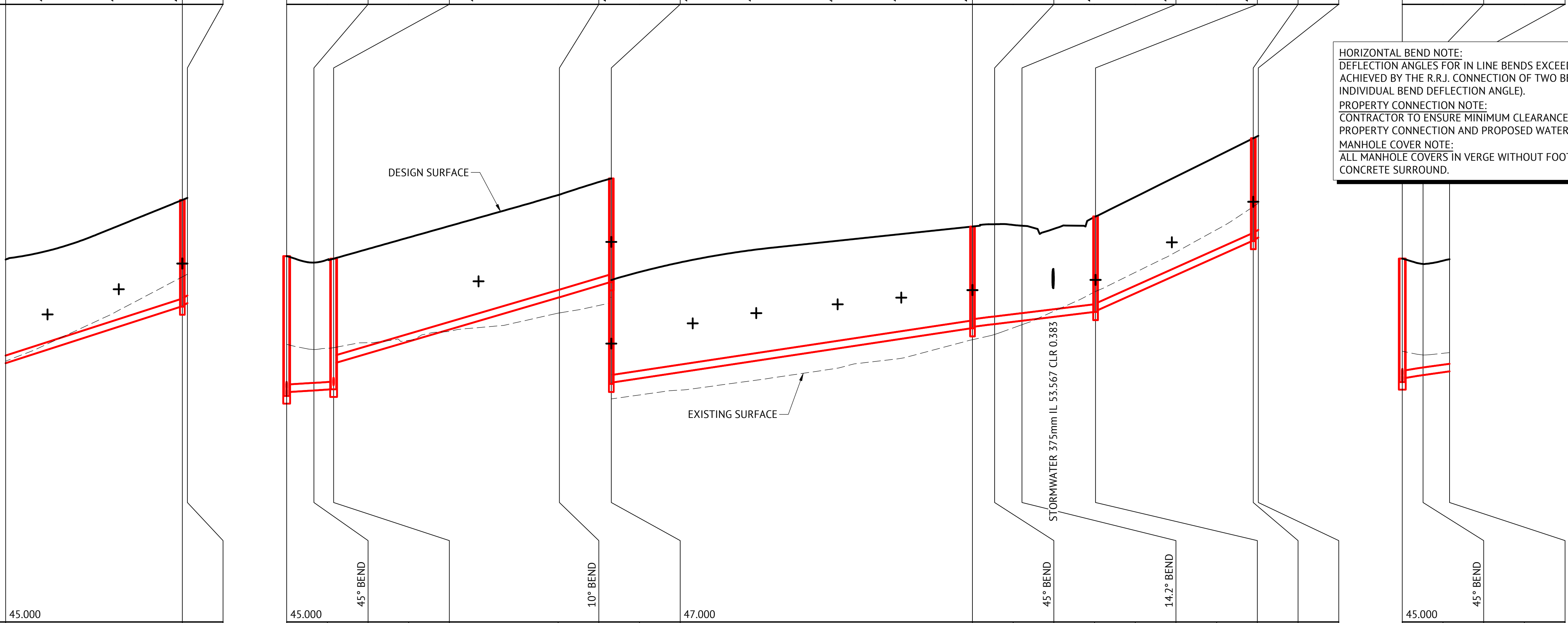
PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL
D(E)	TYPE D - EXTENDED

NOTES:
1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).
2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.

HORIZONTAL BEND NOTE:
DEFLECTION ANGLES FOR IN LINE BENDS EXCEEDING 45° SHALL BE ACHIEVED BY THE R.R.J. CONNECTION OF TWO BENDS (MAXIMUM 45° INDIVIDUAL BEND DEFLECTION ANGLE).

PROPERTY CONNECTION NOTE:
CONTRACTOR TO ENSURE MINIMUM CLEARANCE BETWEEN PROPOSED PROPERTY CONNECTION AND PROPOSED WATER MAIN IS ACHIEVED.

MANHOLE COVER NOTE:
ALL MANHOLE COVERS IN VERGE WITHOUT FOOTPATH TO HAVE CONCRETE SURROUND.



LONG SECTION DATA

LINE 21 (DATUM RL 45.000)

PROPERTY DESCRIPTION	RR
PIPE SIZE (mm), CLASS	DN150 uPVC SN8
GRADE (1 IN X)	31 ; 25
LENGTH	34.750 ; 1.000
EMBEDMENT TYPE	TYPE 3

CHAINAGE (CH)	DEPTH OF INVERT BELOW FSL	INVERT LEVEL (IL)	FINISHED SURFACE LEVEL (FSL)	EXISTING SURFACE LEVEL (ESL)
1.000	2.039	50.091	52.130	50.131
35.750	2.099 / 2.069	51.203 / 51.233	53.302	51.789
36.750	2.069	51.273	53.342	51.842

LINE 23 (DATUM RL 45.000 / 47.000)

PROPERTY DESCRIPTION: RR; PIPE SIZE (mm), CLASS: DN150 uPVC SN8; EMBEDMENT TYPE: TYPE 3

GRADE (1 IN X)	LENGTH
180	4.194
180	1.178
180	1.178
180	2.678
34	44.138
34	0.263
34	0.263
34	9.936
67	71.000
83	3.178
83	1.178
83	1.178
83	3.819
83	0.373
83	0.373
83	14.098
23	31.000
24	1.000

CHAINAGE (CH)	DEPTH OF INVERT BELOW FSL	INVERT LEVEL (IL)	FINISHED SURFACE LEVEL (FSL)	EXISTING SURFACE LEVEL (ESL)
0.000	2.753 / 2.673	49.444 / 49.524	52.197	50.461
4.194	2.530	49.548	52.077	50.371
5.372	2.515	49.554	52.069	50.359
6.550	2.524	49.561	52.084	50.370
9.228	2.571 / 2.047	49.576 / 50.099	52.146	50.396
53.366	2.019	51.379	53.398	51.075
53.629	2.018	51.387	53.405	51.080
53.892	2.019	51.395	53.414	51.085
63.828	2.043 / 2.013	51.683 / 51.713	53.726	51.387
134.828	2.001 / 1.971	52.778 / 52.808	54.779	52.553
138.006	1.977	52.846	54.823	52.623
139.184	1.964	52.860	54.824	52.656
140.362	1.953	52.874	54.827	52.696
144.181	1.878	52.920	54.798	52.834
144.554	1.871	52.924	54.795	52.848
144.927	1.864	52.929	54.792	52.861
159.025	1.881 / 1.851	53.098 / 53.128	54.979	53.503
190.025	2.022 / 1.992	54.492 / 54.522	56.515	55.171
191.025	2.000	54.564	56.564	55.238

LINE 25 (DATUM RL 45.000)

PROPERTY DESCRIPTION: RR; PIPE SIZE (mm), CLASS: DN150 uPVC SN8; EMBEDMENT TYPE: TYPE 3

GRADE (1 IN X)	LENGTH
71	2.906
71	1.178
71	1.178
71	4.022

CHAINAGE (CH)	DEPTH OF INVERT BELOW FSL	INVERT LEVEL (IL)	FINISHED SURFACE LEVEL (FSL)	EXISTING SURFACE LEVEL (ESL)
0.000	2.429 / 2.349	49.719 / 49.799	52.148	50.326
2.906	2.222	49.840	52.062	50.266
4.084	2.185	49.856	52.042	50.251
5.262	2.178	49.873	52.051	50.255
9.284	2.206	49.929	52.135	50.298

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE: HORIZONTAL 1:500 (A1) 0 10 20 30m; VERTICAL 1:50 (A1) 0 1 2 3m
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 3
JOB CODE: MIR-0802
SHEET NUMBER: C522
REV: B

MAINTENANCE HOLE / SHAFT NO.	HB2/25		1/25	E/25	TE1/26		1/26	4/20		1/27		HB1/27	2/27	TE1/27	TE1/29		2/29	3/29		4/29	TE1/31		1/31	TE2/31
MH / MS COVER TYPE			B				B	B		B			B				B	B		B			B	
MH / MS TYPE		LRB	J	END	TE		J	A		A		LRB	J	TE	TE		J	J		J	TE		J	TE
MH DROP TYPE			V					V	W	V			V				V	V					V	
LINE NO.			25					27	20	32			27	27			29	29					31	31
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250	1.250	1.250	1.250			1.250		1.250	1.250		1.250		1.250	1.250		1.250				
PROPERTY CONNECTION INVERT LEVEL	51.003	51.137	51.261	51.386	50.921	51.046	51.157			55.223		55.970	56.774		60.608		60.962	61.145	61.329	61.639				
PROPERTY CONNECTION TYPE	B	B	B	B	D	D	B			B		B	B		B		B	B	B	B				
LOT NO.	4268	4269	4270	4271	4485	4484	4483			4226		4225	4224		4194		4195	4196	4197	4198				

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

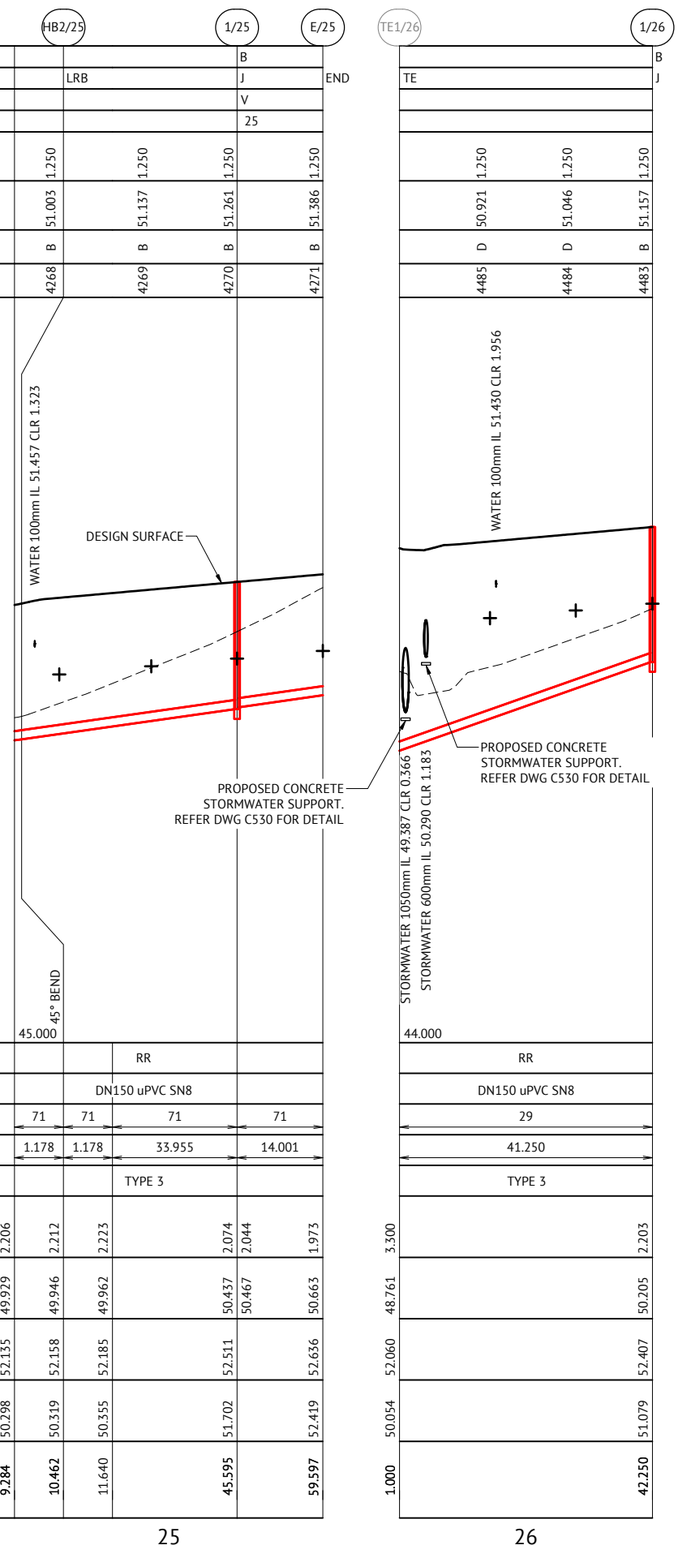
MANHOLE TYPES	
A	CONCRETE MANHOLE 1.05Ø
B	CONCRETE MANHOLE 1.20Ø
C	CONCRETE MANHOLE 1.50Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
LRB	HORIZONTAL BEND (3m HORIZ. RADIUS)

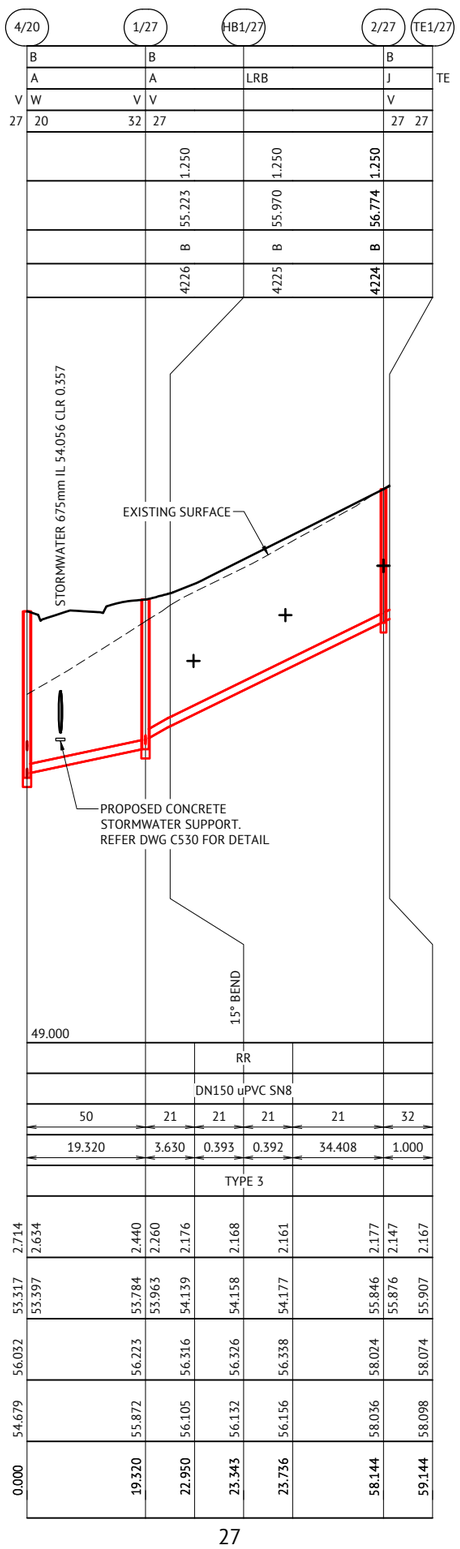
LID TYPES	
B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

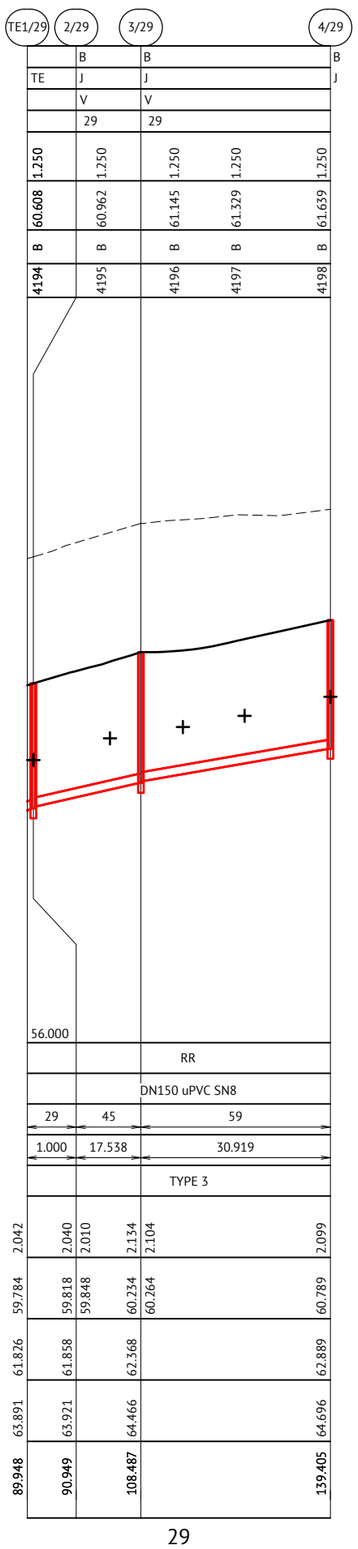
MAINTENANCE STRUCTURE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP
Z	MAINTENANCE SHAFT DROP

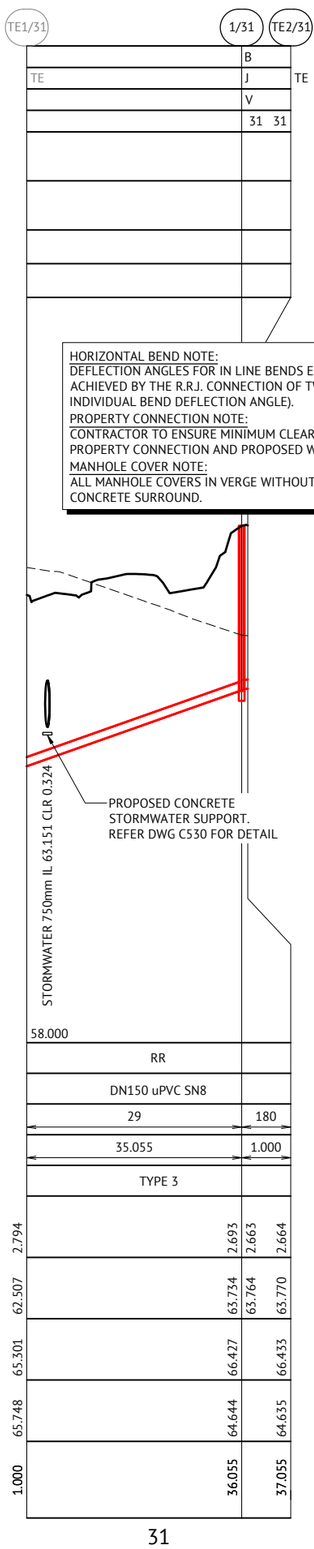
PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL
D(E)	TYPE D - EXTENDED

NOTES:
1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).
2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.









HORIZONTAL BEND NOTE:
DEFLECTION ANGLES FOR IN LINE BENDS EXCEEDING 45° SHALL BE ACHIEVED BY THE R.R.J. CONNECTION OF TWO BENDS (MAXIMUM 45° INDIVIDUAL BEND DEFLECTION ANGLE).

PROPERTY CONNECTION NOTE:
CONTRACTOR TO ENSURE MINIMUM CLEARANCE BETWEEN PROPOSED PROPERTY CONNECTION AND PROPOSED WATER MAIN IS ACHIEVED.

MANHOLE COVER NOTE:
ALL MANHOLE COVERS IN VERGE WITHOUT FOOTPATH TO HAVE CONCRETE SURROUND.

DATUM RL																								
PROPERTY DESCRIPTION			RR		RR					RR							RR					RR		
PIPE SIZE (mm), CLASS		DN150 uPVC SN8			DN150 uPVC SN8					DN150 uPVC SN8							DN150 uPVC SN8					DN150 uPVC SN8		
GRADE (1 IN X)	71	71	71	71	29			50	21	21	21		21	32	29	45	59					29	180	
LENGTH	1.178	1.178	33.955	14.001	41.250			19.320	3.630	0.393	0.392		34.408	1.000	1.000	17.538	30.919					35.055	1.000	
EMBEDMENT TYPE			TYPE 3		TYPE 3					TYPE 3							TYPE 3					TYPE 3		
DEPTH OF INVERT BELOW FSL	2.206	2.212	2.223	2.074	2.044	1.973	3.300	2.203	2.714	2.634	2.440	2.260	2.176	2.168	2.161	2.177	2.147	2.167	2.042	2.040	2.010	2.134	2.104	2.099	2.794	2.693	2.663	2.664
INVERT LEVEL (IL)	49.929	49.946	49.962	50.437	50.467	50.663	48.761	50.205	53.317	53.397	55.784	53.963	54.139	54.158	54.177	55.846	55.876	55.907	59.784	59.818	59.848	60.234	60.264	60.789	62.507	63.734	65.764	63.770
FINISHED SURFACE LEVEL (FSL)	52.135	52.158	52.185	52.511		52.636	52.060	52.407	56.032	56.223	56.316	56.326	56.338	58.024	58.074	61.826	61.858	62.368	62.889	65.301	66.427	66.433						
EXISTING SURFACE LEVEL (ESL)	50.298	50.319	50.355	51.702		52.419	50.054	51.079	54.679	55.872	56.105	56.132	56.156	58.036	58.098	63.891	63.921	64.466	64.696	65.748	64.644	64.635						
CHAINAGE (CH)	9.284	10.462	11.640	45.595		59.597	1.000	42.250	0.000	19.320	22.950	23.343	23.736	58.144	59.144	89.948	90.949	108.487	139.405	1.000	36.055	37.055						
LINE			25				26					27							29					31					

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

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DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:500 (A1)
0 10 20 30m
VERTICAL 1:50 (A1)
0 1 2 3m
ORIGINAL SHEET SIZE A1

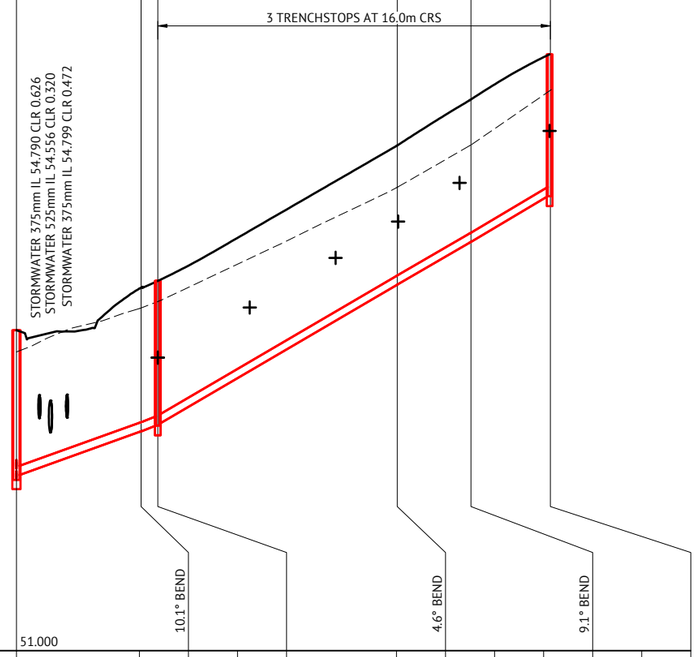
CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 4

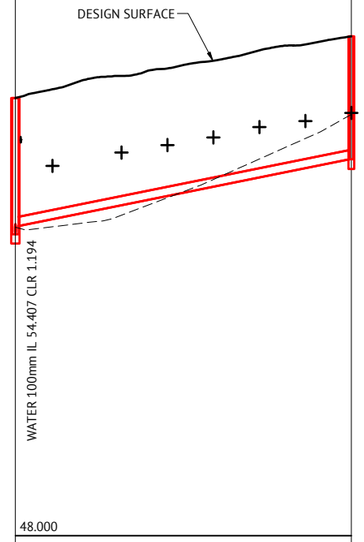
JOB CODE MIR-0802
SHEET NUMBER C523
REV B

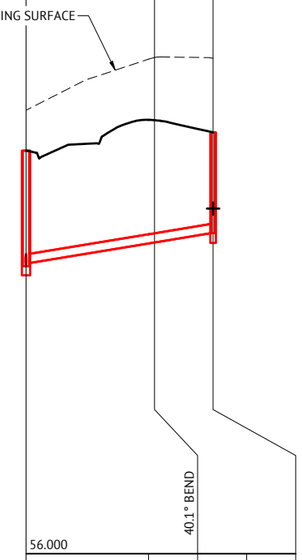
MAINTENANCE HOLE / SHAFT NO.		1/27		HB1/32		1/32		HB2/32		HB3/32		2/32	
MH / MS COVER TYPE		B				B							B
MH / MS TYPE		A		LRB		J		LRB		LRB			J
MH DROP TYPE	V	V				V							
LINE NO.	32	27				32							
PROPERTY CONNECTION DEPTH			1.250		1.250		1.250		1.250		1.250		
PROPERTY CONNECTION INVERT LEVEL			55.778		56.595		57.404		57.995		58.626		59.480		
PROPERTY CONNECTION TYPE			B		B		B		B		B		B		
LOT NO.			4175		4176		4177		4178		4179		4180		

		3/20								1/33	
		B									B
		A									J
	V	V									
	33	20									
			1.250	1.250	1.250	1.250	1.250	1.250	1.250		
			60.057	60.492	60.736	60.985	61.324	61.519	61.784		
			D(E)	D(E)	D(E)	D(E)	D(E)	D(E)	D(E)		
			4137	4136	4135	4134	4133	4132	4131		

		8/20		HB1/35		1/35
		B				B
		A		LRB		J
	V	V				
	35	20				
				1.250		
				61.626		
				B		
				4181		







LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.05Ø
B	CONCRETE MANHOLE 1.20Ø
C	CONCRETE MANHOLE 1.50Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
LRB	HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES	
B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

MAINTENANCE STRUCTURE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP
Z	MAINTENANCE SHAFT DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL
D(E)	TYPE D - EXTENDED

NOTES:
1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).
2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.

HORIZONTAL BEND NOTE:
DEFLECTION ANGLES FOR IN LINE BENDS EXCEEDING 45° SHALL BE ACHIEVED BY THE R.R.J. CONNECTION OF TWO BENDS (MAXIMUM 45° INDIVIDUAL BEND DEFLECTION ANGLE).

PROPERTY CONNECTION NOTE:
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MANHOLE COVER NOTE:
ALL MANHOLE COVERS IN VERGE WITHOUT FOOTPATH TO HAVE CONCRETE SURROUND.

DATUM RL		51.000											
PROPERTY DESCRIPTION						RR							
PIPE SIZE (mm), CLASS						DN150 uPVC SN8							
GRADE (1 IN X)		29	29	29	29	17	17	17	17	17	17	17	
LENGTH		20.061	0.264	0.264	2.466	38.937	0.119	0.119	11.679	0.238	0.238	12.701	
EMBEDMENT TYPE						TYPE 3							
DEPTH OF INVERT BELOW FSL	2.440	2.360	2.338	2.343	2.332	2.357	2.327	2.270	2.270	2.270	2.321	2.322	2.323	2.315
INVERT LEVEL (IL)	53.784	53.864	54.566	54.575	54.584	54.671	54.701	56.960	56.967	56.973	57.651	57.665	57.679	58.415
FINISHED SURFACE LEVEL (FSL)	56.223		56.904	56.918	56.917	57.028	59.229	59.236	59.244	59.972	59.986	60.001	60.730
EXISTING SURFACE LEVEL (ESL)	55.872		56.578	56.587	56.597	56.693	58.547	58.554	58.561	59.231	59.245	59.261	60.134
CHAINAGE (CH)	0.000		20.061	20.325	20.589	23.054	61.991	62.110	62.230	73.909	74.147	74.385	87.087

DATUM RL		48.000								
PROPERTY DESCRIPTION					RR					
PIPE SIZE (mm), CLASS					DN150 uPVC SN8					
GRADE (1 IN X)					50					
LENGTH					54.800					
EMBEDMENT TYPE					TYPE 3					
DEPTH OF INVERT BELOW FSL	2.223	2.087								2.005
INVERT LEVEL (IL)	52.912	53.048								54.137
FINISHED SURFACE LEVEL (FSL)	55.135									56.142
EXISTING SURFACE LEVEL (ESL)	53.030									54.867
CHAINAGE (CH)	0.000									54.800

DATUM RL		56.000				
PROPERTY DESCRIPTION			RR			
PIPE SIZE (mm), CLASS			DN150 uPVC SN8			
GRADE (1 IN X)		62	62	62	62	
LENGTH		19.984	0.979	0.979	8.575	
EMBEDMENT TYPE			TYPE 3			
DEPTH OF INVERT BELOW FSL	1.883	1.833	2.016	1.994	1.970	1.643
INVERT LEVEL (IL)	60.687	60.737	61.057	61.073	61.089	61.226
FINISHED SURFACE LEVEL (FSL)	62.570		63.073	63.067	63.058	62.869
EXISTING SURFACE LEVEL (ESL)	63.229		64.063	64.090	64.098	64.078
CHAINAGE (CH)	0.000		19.984	20.963	21.941	30.517

LINE 32 33 35

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

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CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
HORIZONTAL 1:500 (A1) 0 10 20 30m
VERTICAL 1:50 (A1) 0 1 2 3m
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 5

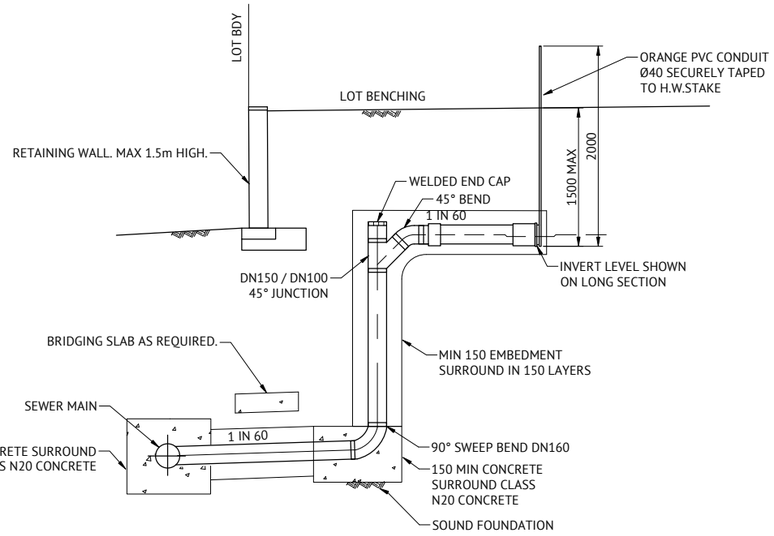
JOB CODE MIR-0802
SHEET NUMBER C524
REV B

LIVE SEWER WORKS

No.	DESCRIPTION	DIA. SEWER	MH NO.	MH TYPE	COVER TYPE	LOT NO.	F.S.L.	E.S.L.	I.L.	DEPTH
1(A) 1(B)	0.5m FROM STUB END CAP TE1/31, CONSTRUCTOR TO LAY NEW LINE 31. AFTER CLEANSING, TESTING AND INSPECTING. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 31 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/31	END	-	4158	65.301	65.748	62.507	2.794
2(A) 2(B)	0.5m FROM STUB END CAP TE1/20, CONSTRUCTOR TO LAY NEW LINE 20. AFTER CLEANSING, TESTING AND INSPECTING. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 20 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/20	END	-	4158	65.298	65.753	62.387	2.911
3(A) 3(B)	0.5m FROM STUB END CAP TE2/4, CONSTRUCTOR TO LAY NEW LINE 4. AFTER CLEANSING, TESTING AND INSPECTING. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 4 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE2/4	END	-	4486	52.095	50.120	49.375	2.721
4(A) 4(B)	0.5m FROM STUB END CAP TE1/21, CONSTRUCTOR TO LAY NEW LINE 21. AFTER CLEANSING, TESTING AND INSPECTING. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 21 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/21	END	-	4486	52.130	50.131	50.091	2.039
5(A) 5B)	0.5m FROM STUB END CAP TE1/26, CONSTRUCTOR TO LAY NEW LINE 26. AFTER CLEANSING, TESTING AND INSPECTING. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 26 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/26	END	-	4486	52.060	50.054	48.761	3.300

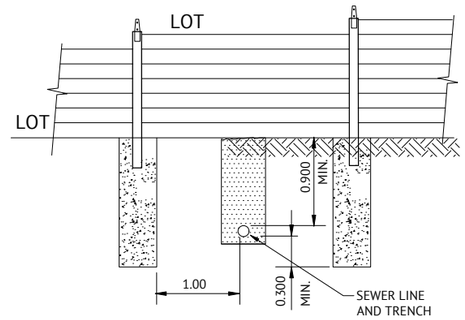
LEVELS IN THE LIVE SEWER TABLE ARE DESIGN LEVELS.
AS CONSTRUCTED INFORMATION TO BE ADDED WHEN AVAILABLE.

CONSULTING ENGINEERS ARE TO CONTACT PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR THIS WORK TO BE CARRIED OUT. (EXCAVATION, SAFE-SHORTING AND ASSOCIATED WORK BY CONTRACTOR).
EXCAVATION WORKS CARRIED OUT BY CONTRACTORS AT DEPTH OF 1.5m OR GREATER MUST PROVIDE A "SAFE WORK PLAN" AS PER WORKPLACE HEALTH AND SAFETY LEGISLATION TO SEQ-SPS PRIOR TO COMMENCING ANY WORK.
IT IS THE DEVELOPER'S RESPONSIBILITY TO ENSURE ALL LIVE SEWER WORKS ARE COMPLETE BEFORE ALLOWING PRIVATE DRAINAGE TO BE CONNECTED.



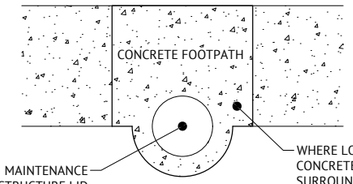
EXTENDED PROPERTY CONNECTION UNDER RETAINING WALL - TYPE D (E)

NTS



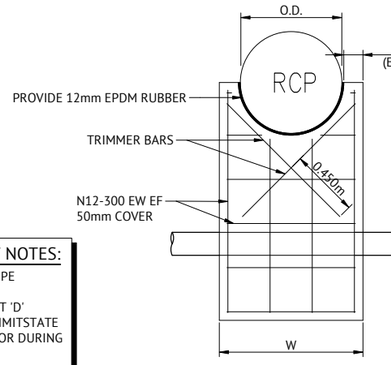
SEWER LINE CROSSING CONCRETE SLEEPER RETAINING WALL BRIDGING SLAB DETAIL

NTS

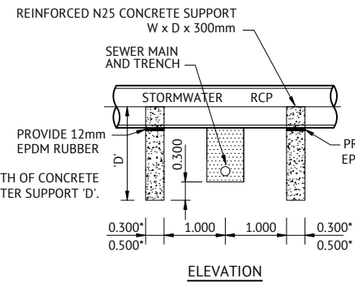


TYPICAL MAINTENANCE STRUCTURE IN CONCRETE FOOTPATH DETAIL

NTS



SECTION



ELEVATION

CONCRETE STORMWATER SUPPORT TYPICAL DETAIL

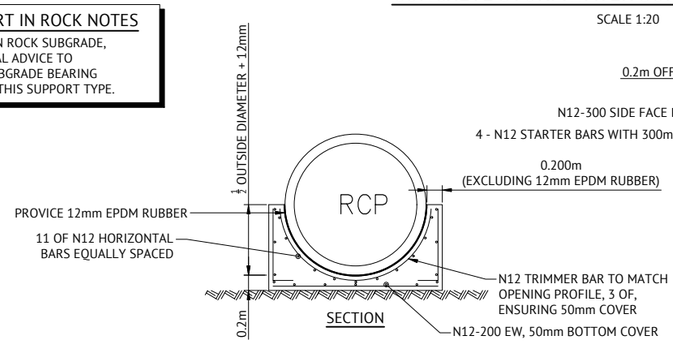
SCALE 1:20

GENERAL CONCRETE STORMWATER SUPPORT NOTES:

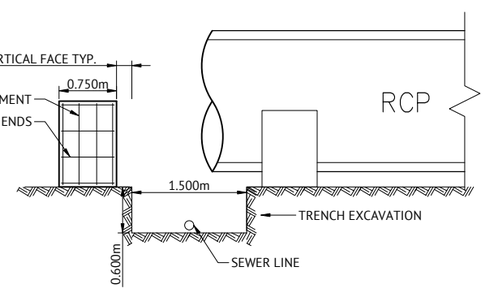
1. SUPPORTS TO BE INSTALLED WHERE STORMWATER PIPE DIAMETER IS EQUAL TO OR GREATER THAN 600mm.
2. 3m MAX DEPTH OF CONCRETE STORMWATER SUPPORT 'D'
3. DESIGN BASED ON ACHIEVING 100kPa OF ULTIMATE LIMITSTATE BEARING CAPACITY. TO BE CONFIRMED BY CONTRACTOR DURING CONSTRUCTION.
4. 0.300m* WIDTH UP TO 1050 RCP CLASS 2
5. 0.500m* WIDTH BETWEEN 1050 AND 1800 RCP CLASS 2

CONCRETE STORMWATER SUPPORT IN ROCK NOTES

WHERE BRIDGING STRUCTURE IS LOCATED IN ROCK SUBGRADE, CONTRACTOR SHALL PROVIDE GEOTECHNICAL ADVICE TO SUPERINTENDENT ADVISING IF SUITABLE SUBGRADE BEARING CAPACITY CAN BE ACHIEVED TO FACILITATE THIS SUPPORT TYPE.



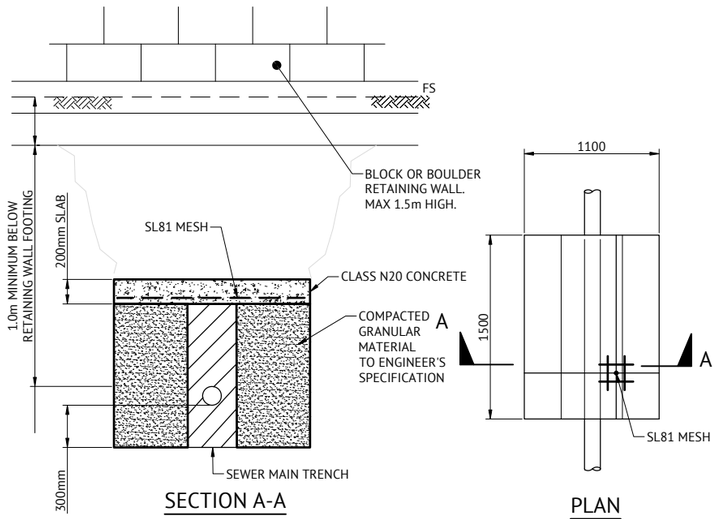
SECTION



ELEVATION

CONCRETE STORMWATER SUPPORT IN ROCK SUBGRADE DETAIL

SCALE 1:40



SECTION A-A

PLAN

SERVICE LINE CROSSING BOULDER OR BLOCK RETAINING WALL BRIDGING SLAB DETAIL

NTS

STRUCTURAL DETAILS APPROVED — DATE 22/07/2024
ARTHUR ROWSON — RPEQ 12412

FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112
SCALE NTS
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE NOTES AND DETAILS

JOB CODE MIR-0802
SHEET NUMBER C530
REV B

EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC QLD PTY LTD

WATER RETICULATION

LOCALITY PLAN

REAL PROPERTY DESCRIPTION

LOT 205 & 434 on RP845844
LOT 9 on S312355

SHEET LIST TABLE	
SHEET NO.	SHEET TITLE
C600	WATER RETICULATION LOCALITY PLAN & NOTES
C610	WATER RETICULATION LAYOUT PLAN - SHEET 1
C611	WATER RETICULATION LAYOUT PLAN- SHEET 2
C620	WATER LIVE CONNECTION AND TYPICAL DETAILS

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
4. COVER OF MAIN FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
5. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
6. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH SEQ-SP's ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY SEQ-SP's
7. ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS. WHERE POSSIBLE
8. CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
9. ALL WATER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH & SAFETY FOR INFORMATION. PHONE: 1300 362 128.
10. CONSTRUCT THRUST BLOCKS ON ALL BENDS, TEES, TAPERS AND DEAD ENDS IN ACCORDANCE WITH SEQ-WAT-1205-1, AND SEQ-WAT-1206-1.
11. CONSTRUCT TRENCHES IN ACCORDANCE WITH SEQ-WAT-1200-2, PIPE EMBEDMENT TO SEQ-WAT-1201-1 (TYPE C SUPPORT) AND ROAD CROSSINGS TO SEQ-WAT-1204-1 AND LCC STANDARDS.
12. INSTALL SCOURS IN ACCORDANCE WITH SEQ-WAT-1307-3.
13. INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES.
14. INSTALL HYDRANTS IN ACCORDANCE WITH SEQ-WAT-1302-1, SEQ-WAT-1303-1
15. INSTALL PAVEMENT MARKERS IN ACCORDANCE WITH SEQ-WAT-1300-1 & 2.
16. WATER SERVICE CONNECTIONS INCLUSIVE OF WATER METER BOXES ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWINGS SEQ-WAT-1110-1 & SEQ-WAT-1110-2 AND OTHER RELEVANT STANDARD DRAWINGS FROM SEQ DESIGN AND CONSTRUCTION CODE.
17. TERMINATE ALL WATER SERVICES AFTER INSTALLATION OF THE BALL VALVE (PRIOR TO THE WATER METER). THE APPLICANT IS NOT REQUIRED TO MAKE AN APPLICATION TO COUNCIL FOR THE PROVISION OF A WATER METER AT THIS TIME.
18. THE POLYETHYLENE SERVICE LINE MUST COMPLY WITH AS/NZ4130 SERIES 1 DN20 PN16.
19. TAPPING BANDS MUST BE USED WHEN PROVIDING CONNECTION, UNLESS OTHERWISE APPROVED BY COUNCIL.
20. PROPERTY SERVICES WITHIN ANY FOOTWAY SHALL BE POSITIONED AT 90+/-5 DEGREES TO THE WATER MAIN OR KERB. WHERE REQUIRED TO CROSS THE ROAD CARRIAGEWAY, PROPERTY SERVICES SHALL BE LOCATED WITHIN THE SERVICE DUCTS (CONDUITS) POSITIONED AT 90+/-5 DEGREES TO THE ROAD CARRIAGEWAY OR FROM SIDE BOUNDARY TO SIDE BOUNDARY AND EXTENDING BEHIND EACH KERB IN ACCORDANCE WITH CLAUSE 5.11.3 OF THE SOUTH EAST QUEENSLAND WATER SUPPLY AND SEWERAGE DESIGN AND CONSTRUCTION CODE. THE CONDUIT SHALL HAVE A MAXIMUM LENGTH OF 25m AND EXTEND 300mm BEYOND THE BACK OF THE KERB OR CONCRETE/PAVED AREA.
21. WHERE PRACTICABLE, PROPERTY SERVICE CONNECTION POINTS MUST BE LOCATED 300mm FROM THE RESIDENTIAL PROPERTY SIDE BOUNDARY ON THE OPPOSITE SIDE OF THE ALLOTMENT TO THE ELECTRICAL SERVICE PILLAR-BOX. SERVICES MUST BE LOCATED AT LEAST 1.0m FROM ALL ELECTRICAL SOURCES AND CLEAR OF EXISTING OR FUTURE DRIVEWAYS. PROPERTY SERVICES LAID PARALLEL TO THE FOOTPATH AND/OR PROPERTY BOUNDARY ARE NOT PERMITTED (SEQ CODE CLAUSE 5.11.5).TERMINATE ALL WATER SERVICES AFTER INSTALLATION OF THE BALL VALVE (PRIOR TO THE WATER METER)

VEGETATION PROTECTION

1. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
2. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
3. TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED, IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
4. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

1. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
2. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.

CREEK CROSSINGS

1. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
2. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
3. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

1. PRE-DISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
2. PRE-DISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED, ALL DISTURBED AREAS ASSOCIATED WITH CONSTRUCTION SHALL BE REHABILITATED, HEAVILY COMPACTED AREAS SHOULD BE RIPPED PRIOR TO TREATMENT.
3. ALL DISTURBED AREAS ARE TO BE LEFT IN STABLE CONDITION.
4. ALL PLANTING/RE-VEGETATION WILL NEED TO BE MAINTAINED THROUGHOUT THE MAINTENANCE PERIOD.

CONSTRUCTION REQUIREMENTS

1. LIVE WATER CONNECTIONS TO BE CARRIED OUT BY LOGAN WATER AS PER THE LIVE CONNECTION REQUEST UNLESS AGREED OTHERWISE WITH LOGAN WATER.
2. PRIOR TO ANY EXCAVATION, CONTRACTOR IS TO LOCATE ACTUAL POSITIONS OF PUBLIC SERVICE UTILITIES BY POT HOLES.
3. UPON COMPLETION OF ALL WORKS, CONTRACTORS SHALL SUPPLY THE SUPERVISING RPEQ DETAILED "AS CONSTRUCTED" INFORMATION OF THE WORK. "AS CONSTRUCTED" INFORMATION SHALL COMPLY WITH CURRENT SEQ CODE OR LOCAL AUTHORITY STANDARDS FOR PLAN AND DIGITAL INFORMATION.
4. CONTRACTOR IS TO BE RESPONSIBLE FOR ARRANGING ALL LOGAN WATER CONNECTIONS AND PAYMENTS OF CONNECTION FEES.

TRENCH SPOIL NOTE:

SPOILAGE OF EXCESS MATERIAL TO BE PLACED IN FUTURE FILL AREA AS NOMINATED BY THE SUPERINTENDENT INCLUDING ALL LEVEL ONE COMPACTION REQUIREMENTS AND TESTING IN ACCORDANCE WITH MORRISON GEOTECHNICAL SPECIFICATION AND ALL LOCAL AUTHORITY STANDARDS, AND SHALL BE FREE DRAINING.

EXCAVATION IN ROCK NOTE:

CONTRACT SHALL INCLUDE TREATING, SIZING CONDITIONING AND PROCESSING ALL TYPES OF ROCK IN ALL EXCAVATIONS. PROCESSING TO BE COMPLETED AS PER MORRISON GEOTECHNICAL REPORTS TO ENSURE LEVEL 1 IS ACHIEVED.

INDEMNITY - EXISTING SERVICES

NOT WITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

RPEQ CERTIFICATION

THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO LOGAN WATER RETICULATION SYSTEM. ALL RPEQ CERTIFIED DRAWINGS COMPLY WITH SEQ CODE AND LOGAN WATER REQUIREMENTS.

INSPECTION REQUIREMENTS

PRIOR TO COMMENCEMENT OF WORKS, CONTACT PREMISE (07) 3253 2222 AND LOGAN WATER TO CONFIRM INSPECTION REQUIREMENTS INCLUDING LIVE CONNECTIONS.

A MINIMUM 48 HOURS NOTICE IS REQUIRED.

INSPECTIONS ARE REQUIRED TO BE ORGANIZED WITH PREMISE AND LOGAN WATER. ANY COSTS ASSOCIATED WITH ENGAGING LOGAN WATER TO UNDERTAKE INSPECTIONS OUTSIDE OF THE FEE PAID SHALL BE BORNE BY THE CONTRACTOR.

ALL ENVIRONMENT PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO COMMENCING ANY CONSTRUCTION WORK, INCLUDING CLEARING.

ALL WATER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH & SAFETY FOR INFORMATION. PHONE: 1300 362 128

SEQ CODE STD DRAWING SCHEDULE

SOIL CLASSIFICATION	SEQ-WAT-1200-1
EMBEDMENT AND TRENCH FILL	SEQ-WAT-1200-2
THRUST BLOCK DETAILS	SEQ-WAT-1205-1
VALVE THRUST BLOCKS	SEQ-WAT-1206-1
IDENTIFICATION MARKERS	SEQ-WAT-1300-1,2

Premise

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

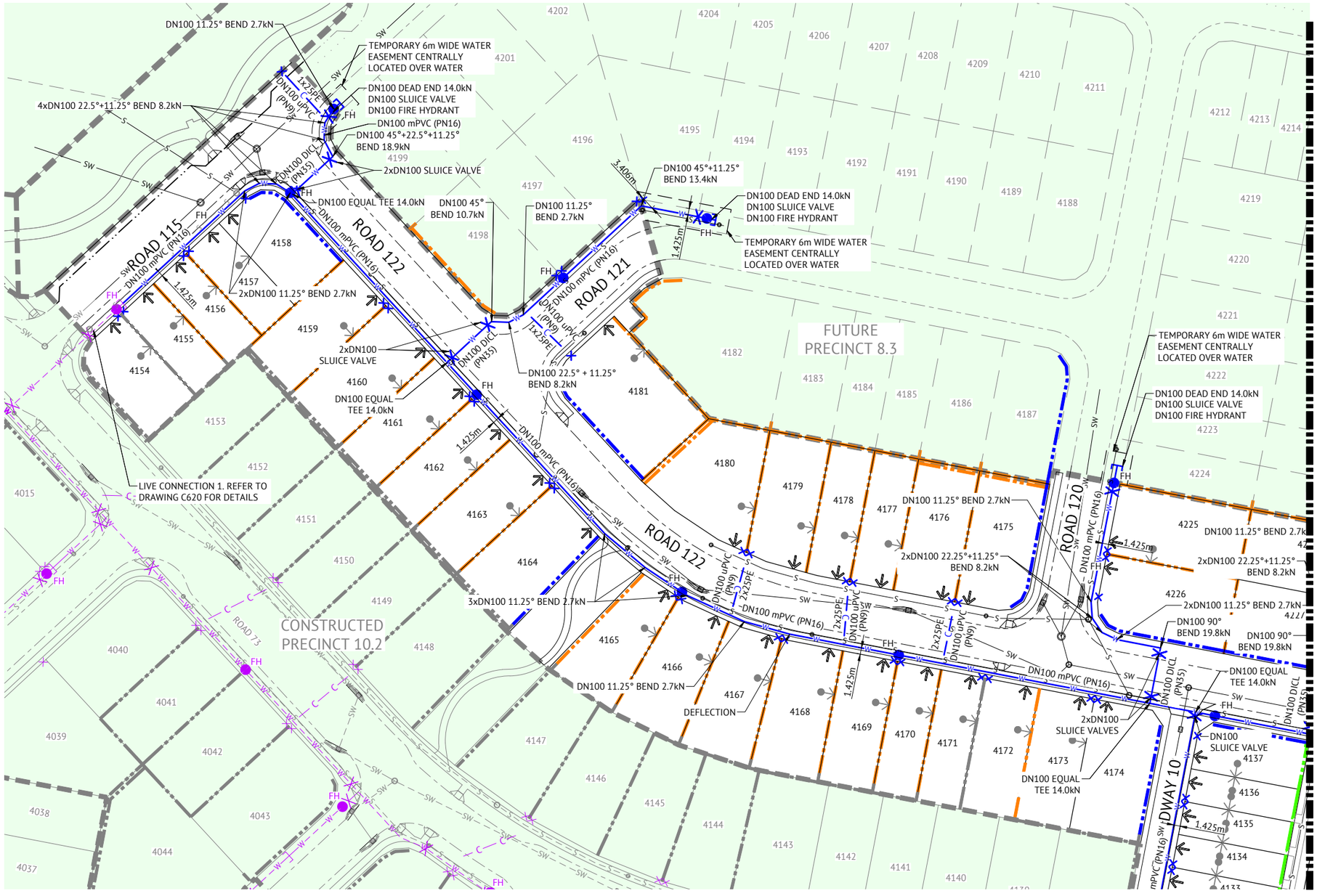
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
0 150 300 450m
SCALE 1:7500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE WATER RETICULATION LOCALITY PLAN & NOTES

JOB CODE MIR-0802
SHEET NUMBER C600
REV B



LAYOUT PLAN

SCALE 1:500

LEGEND - PROPOSED

- POTABLE WATERMAIN
- DN25 PE / DN100 uPVC (PN9): POTABLE WATER RETICULATION SERVICE WITHIN DN100 uPVC (PN9) CONDUIT
- WATER SERVICES & WATER METER BOX POINT. METER BY OTHERS
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- DEAD END
- DEFLECTION: TRUNCATIONS 5 DEGREES OR LESS
- 3260: LOT NUMBER
- SW: STORMWATER
- RM: SEWER RISING MAIN
- S: GRAVITY SEWER
- ZERO LOT BOUNDARY
- PREFERRED DRIVEWAY LOCATION (BY OTHERS)
- SITE BOUNDARY
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED TERRACE LOT FRONTING PARK RETAINING WALL BY OTHERS
- PROPOSED CONCRETE FOOTPATH & KERB RAMP

LEGEND - CONSTRUCTED

- WATER
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- DEAD END
- WATER METER
- SW: STORMWATER
- S: GRAVITY SEWER
- RM: GRAVITY SEWER
- PMT: PMT EXCLUSION ZONE

INDEMNITY - EXISTING SERVICES

NOT WITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

FOR WATER RETICULATION NOTES, REFER DWG No. C600

AS CONSTRUCTED DETAILS FOR AMEND.

I CERTIFY THAT THE "AS CONSTRUCTED" DETAILS SHOWN ON THIS PLAN ARE TRUE AND ACCURATE RECORD OF THE WORKS

SIGNED

NAME of SIGNATORY

RPEQ No. or LICENCE

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

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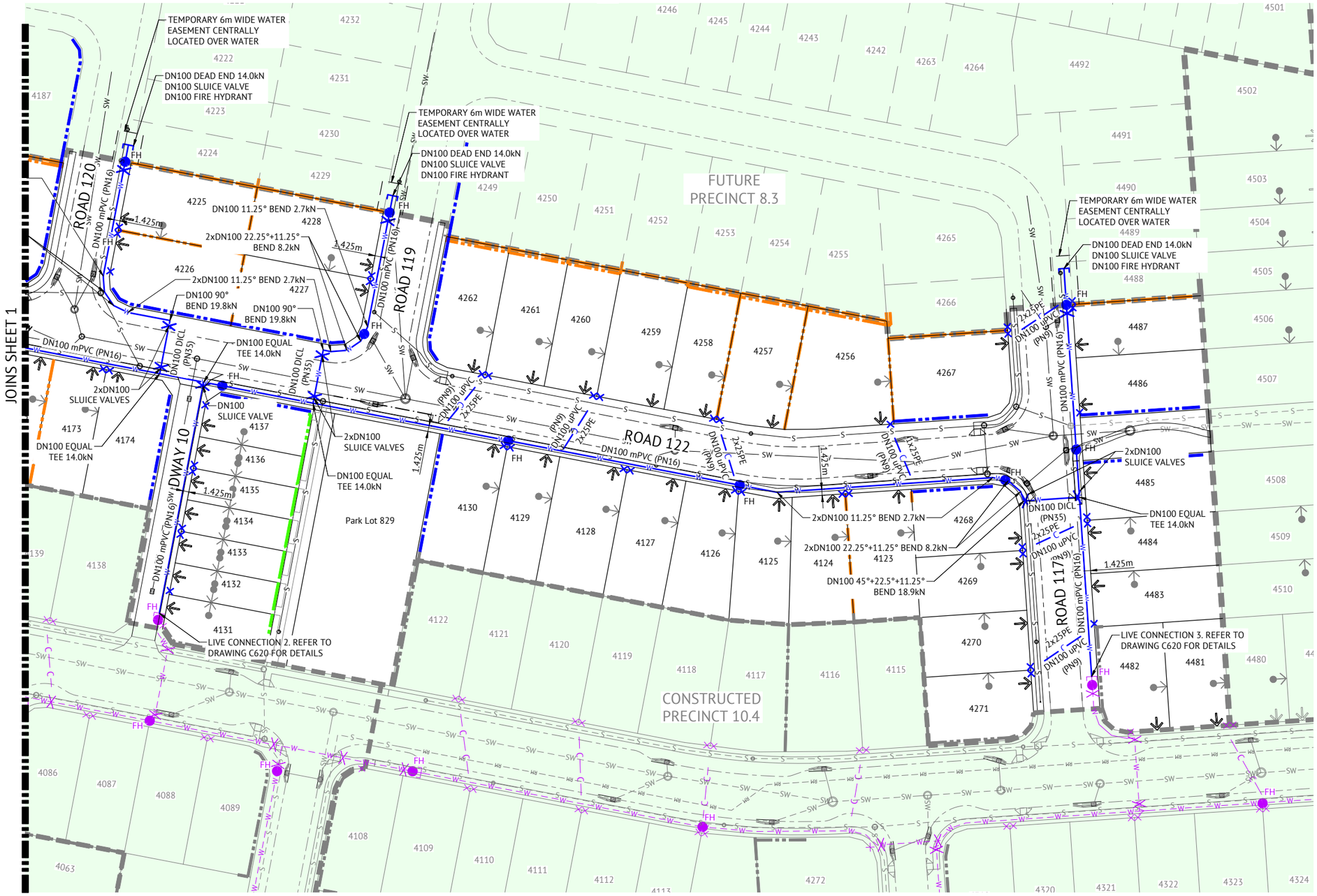
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE: 0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: WATER RETICULATION LAYOUT PLAN - SHEET 1

JOB CODE: MIR-0802
SHEET NUMBER: C610
REV: B



LAYOUT PLAN

SCALE 1:500

LEGEND - PROPOSED

- POTABLE WATERMAIN
- DN25 PE / DN100 uPVC (PN9): POTABLE WATER RETICULATION SERVICE WITHIN DN100 uPVC (PN9) CONDUIT
- WATER SERVICES & WATER METER BOX POINT. METER BY OTHERS
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- DEAD END
- DEFLECTION: TRUNCATIONS 5 DEGREES OR LESS
- 3260: LOT NUMBER
- SW: STORMWATER
- RM: SEWER RISING MAIN
- S: GRAVITY SEWER
- ZERO LOT BOUNDARY
- PREFERRED DRIVEWAY LOCATION (BY OTHERS)
- SITE BOUNDARY
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED TERRACE LOT FRONTING PARK RETAINING WALL BY OTHERS
- PROPOSED CONCRETE FOOTPATH & KERB RAMP

LEGEND - CONSTRUCTED

- WATER
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- DEAD END
- WATER METER
- STORMWATER
- GRAVITY SEWER
- GRAVITY SEWER
- PMT: PMT EXCLUSION ZONE

INDEMNITY - EXISTING SERVICES

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AS CONSTRUCTED DETAILS FOR AMEND.

I CERTIFY THAT THE "AS CONSTRUCTED" DETAILS SHOWN ON THIS PLAN ARE TRUE AND ACCURATE RECORD OF THE WORKS

SIGNED

NAME of SIGNATORY

RPEQ No. or LICENCE

FOR WATER RETICULATION NOTES, REFER DWG No. C600

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

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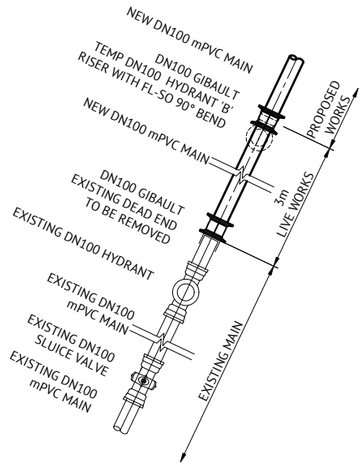
DESIGNED: KLYNT KIWANG
CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE: 0 10 20 30m — SCALE 1:500 (A1)

ORIGINAL SHEET SIZE A1

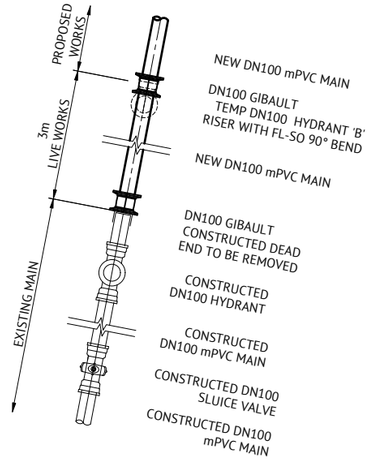
CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: WATER RETICULATION LAYOUT PLAN- SHEET 2

JOB CODE: MIR-0802
SHEET NUMBER: C611
REV: B



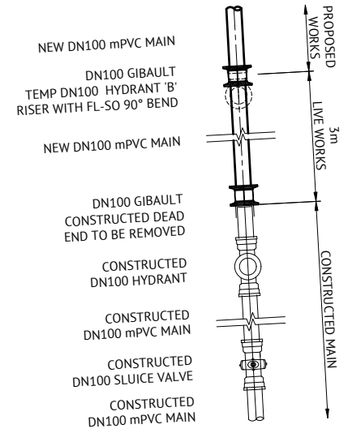
LIVE CONNECTION 1 DETAIL

SCALE 1:25



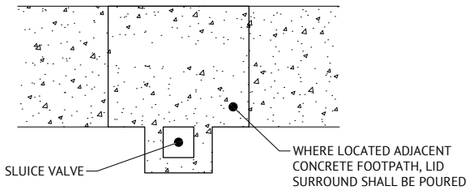
LIVE 2 CONNECTION DETAIL

SCALE 1:25



LIVE 3 CONNECTION DETAIL

SCALE 1:25



LIVE CONNECTION NOTES:

1. LIVE CONNECTIONS BY LOGAN WATER
2. LIVE CONNECTION IN ACCORDANCE WITH SEQ-WAT-1303-1
3. THRUST BLOCKS NOT SHOWN FOR CLARITY.
4. PRE-CHLORINATION FITTINGS AS REQUIRED.

AS CONSTRUCTED DETAILS FOR AMEND.

I CERTIFY THAT THE "AS CONSTRUCTED" DETAILS SHOWN ON THIS PLAN ARE TRUE AND ACCURATE RECORD OF THE WORKS

SIGNED DATE:

NAME of SIGNATORY

RPEQ No. or LICENCE

COMPANY NAME

START DATE

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

Premise

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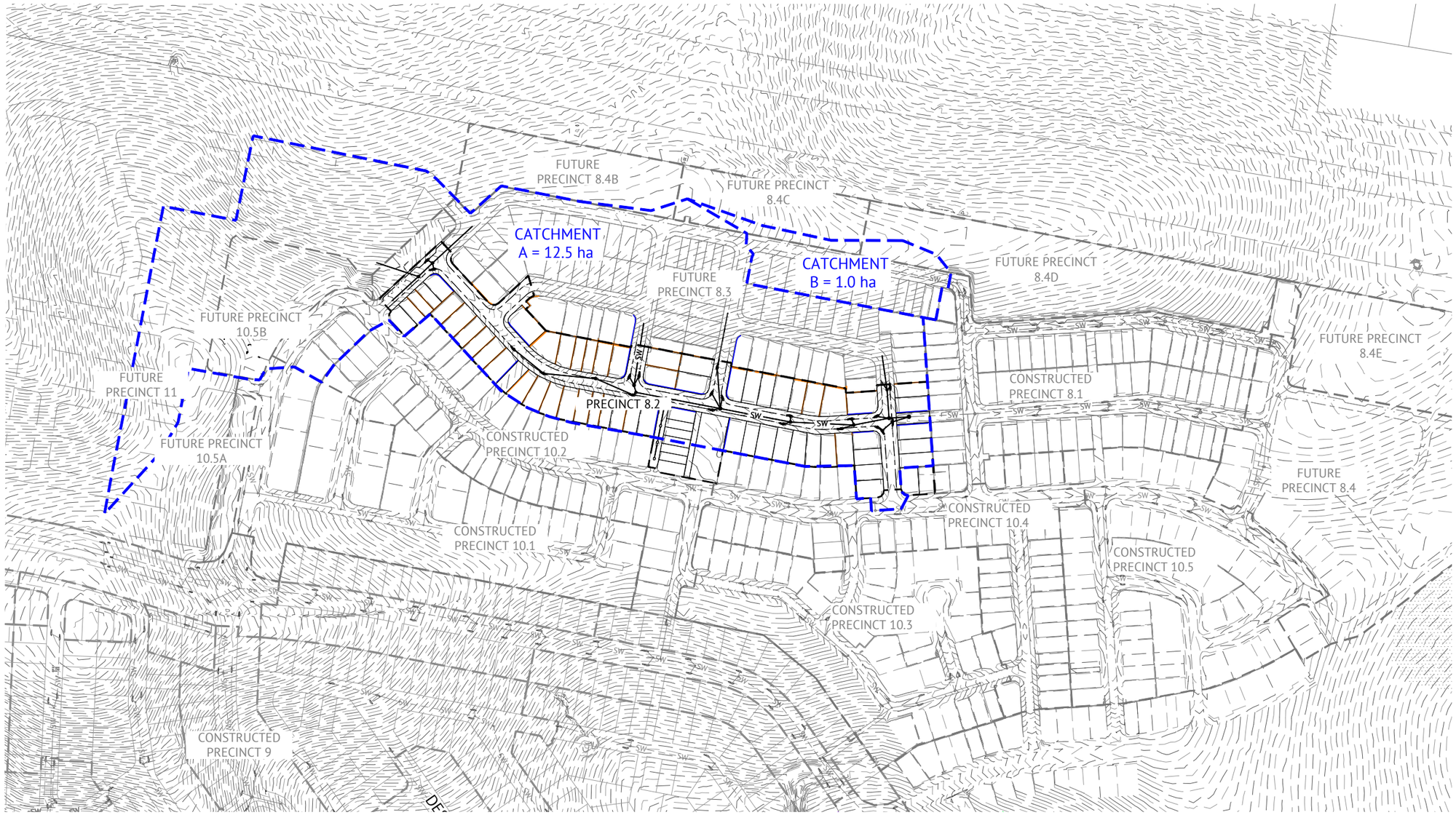
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
0 10 20 30m
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE WATER LIVE CONNECTION AND TYPICAL DETAILS

JOB CODE MIR-0802
SHEET NUMBER C620
REV B



LEGEND - PROPOSED

- 12.0 — FINISHED CONTOURS AND LABELS
- SW — STORMWATER
- CATCHMENT BOUNDARY (POST-DEVELOPED)
- PRECINCT BOUNDARY
- PRECINCT BOUNDARY (FUTURE/EXISTING)
- CATCHMENT A 4.13ha — CATCHMENT NAME AND AREA

LEGEND - CONSTRUCTED

- SW — STORMWATER

EROSION RISK RATING

BASED ON AVERAGE MONTHLY RAINFALL (SOURCE TABLE 4.4.2 IECA 2008)

MONTHLY DATA	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEPT.	OCT.	NOV.	DEC.
MEAN RAINFALL	134.9	152.2	128.3	77.5	71.7	65.8	46.7	35.9	34.3	78.9	97.8	125.7
EROSION RISK	HIGH	HIGH	HIGH	MODERATE	MODERATE	MODERATE	MODERATE	LOW	LOW	MODERATE	MODERATE	HIGH
	VERY LOW RISK: 0 TO 30mm											
	LOW RISK: 30+ TO 45mm											
	MODERATE RISK: 45+ TO 100mm											
	HIGH RISK: 100+ TO 225mm											
	EXTREME RISK: >225mm											

CATCHMENT RISK ASSESSMENT - ANNUAL SOIL LOSS

CATCHMENT ID	AREA (HA)	R	K	SLOPE LENGTH (m)	SLOPE (%)	LS	P	C	A (t/ha/yr)	A (t/yr)	CONTROL
CATCHMENT A	12.58	2627	0.050	80	4.0	0.91	1.3	0.70	109	1,368	TYPE 1
CATCHMENT B	1.03	2627	0.050	40	1.0	0.16	1.3	0.70	19	20	TYPE 3

EROSION RISK RATING

APPLICABLE MONTH	EROSION RISK RATING	ADVANCE LAND CLEARING ALLOWED (WEEKS WORK)	MAX DAYS TO STABILISATION	STAGED CONSTRUCTION AND STABILISATION OF EARTH BATTERS > 6H : 1V	STOCKPILES STABILISED
	VERY LOW	8	30 (60%)		
AUG. SEPT.	LOW	8	30 (70%)		
APR. MAY. JUN. JUL. OCT. NOV.	MODERATE	6	20 (70%)	X	
JAN. FEB. MAR. DEC	HIGH	4	10 (75%)	X	X
	EXTREME	2	10 (80%)	X	X

NOTE:

FOR CLEARING AND GRUBBING ESC DETAILS REFER TO DRAWING SET MIR-1010.

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION GUIDELINES.

T. CLARK (CPESC #6089)

NOTE:

FOR DISPERSIVE SOILS MANAGEMENT NOTES, REFER TO DRAWING C210.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
19/07/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

REVISIONS

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CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY KPEQ 7112

SCALE 0 40 80 120m
SCALE 1:2000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE OVERALL EROSION & SEDIMENT CONTROL KEY PLAN

JOB CODE MIR-0802
SHEET NUMBER C700
REV B

DISCHARGE INTO EXISTING HEADWALL PROVIDED BY P8.1 CONSTRUCTION. PIPEWORK TO DISCHARGE TO BASIN B. REGULAR INSPECTION AND MAINTENANCE OF EXISTING PIPEWORK REQUIRED TO PREVENT SEDIMENT BUILDUP AND MAINTAIN FLOW CAPACITY.

DISCHARGE INTO EXISTING HEADWALL PROVIDED BY P8.1 CONSTRUCTION. PIPEWORK TO DISCHARGE TO BASIN B. REGULAR INSPECTION AND MAINTENANCE OF EXISTING PIPEWORK REQUIRED TO PREVENT SEDIMENT BUILDUP AND MAINTAIN FLOW CAPACITY.

LEGEND - PROPOSED

- NO CHANGES TO BULK EARTHORKS WITHIN PRECINCT BOUNDARY
- EXTENT OF CUT
- EXTENT OF FILL
- FLOW DIRECTION OR RUNOFF
- CONCRETE SLEEPER RETAINING WALL
- CONCRETE PANEL RETAINING WALL (12.0)
- PROPOSED TERRACE LOT FRONTING PARK RETAINING WALL BY OTHERS
- FINISHED CONTOURS AND LABELS
- SW — STORMWATER
- PRECINCT BOUNDARY
- PRECINCT BOUNDARY (FUTURE/EXISTING)

LEGEND - CONSTRUCTED

- DIVERSION DRAIN
- SW — STORMWATER

NOTE:
FOR CLEARING AND GRUBBING ESC DETAILS REFER TO DRAWING SET MIR-1010.

INSTALLATION SEQUENCE EARTHWORKS

STEP 1
PERFORM EARTHWORKS ON LEADS CUT TO FILL ON SITE IN ACCORDANCE WITH THE CIVIL EARTHWORKS DRAWINGS.

STEP 2
ONCE FINAL CUT AND FILL BATTER LEVELS HAVE BEEN ACHIEVED, REMOVE REQUIRED TOPSOIL FROM STOCKPILED AREAS AND PLACE ON BATTERS AND OTHER DISTURBED AREAS AS DIRECTED BY THE SITE SUPERINTENDENT.

STEP 3
AS SOON AS POSSIBLE AFTER TOPSOIL HAS BEEN PLACED ON BATTERS AND OTHER DISTURBED AREAS, THESE AREAS SHOULD BE STABILISED PER FINAL DESIGN TREATMENT (REFER DRAWING C702) WITHIN TIMEFRAMES PER 'MAX DAYS TO STABILISATION' BASED ON EROSION RISK (REFER DRAWING C700). IF A RAINFALL EVENT IS FORECAST WHICH IS LIKELY TO CAUSE RUNOFF PRIOR TO DISTURBED OR EXPOSED AREAS BEING STABILISED, A COMBINATION OF MULCH, BINDER OR BIDUM IS TO BE USED TO COVER EXPOSED AREAS. INSTALLATION OF TEMPORARY EROSION CONTROL TO ACTIVE OR INACTIVE WORK AREAS, PRIOR TO RAINFALL EVENTS UNTIL FINAL DESIGN TREATMENT (STABILISATION PER DRAWING C701) IS CRITICAL FOR CATCHMENTS WHICH DO NOT DRAIN TO TYPE 1 CONTROLS.

STEP 4
ALL SEDIMENT AND EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE AND BE MONITORED UNTIL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. ADDITIONAL EROSION CONTROLS ARE TO BE ERECTED AS REQUIRED BY THE SUPERINTENDENT.

NOTES

1. REFER EROSION AND SEDIMENT CONTROL NOTES AND DETAILS DRAWINGS.
2. ALL FOOTPATHS RELEVANT TO PROPOSED SUB-PRECINCT ARE TO BE FULLY TURFED AS SOON AS PRACTICAL.
3. ALL CLEAN AND DIRTY WATER CATCH DRAINS ARE TO HAVE ROCK CHECK DAMS PLACED IN ACCORDANCE WITH IECA STD DWG RCD-01.
4. CONTRACTOR TO ENSURE STORMWATER DRAINAGE IS COVERED AT ALL TIMES DURING EARTHWORKS PHASE.

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION GUIDELINES.

T. CLARK (CPESC #6089)

NOTE:
FOR DISPERSIVE SOILS MANAGEMENT NOTES, REFER TO DRAWING C210.

FOR CONSTRUCTION

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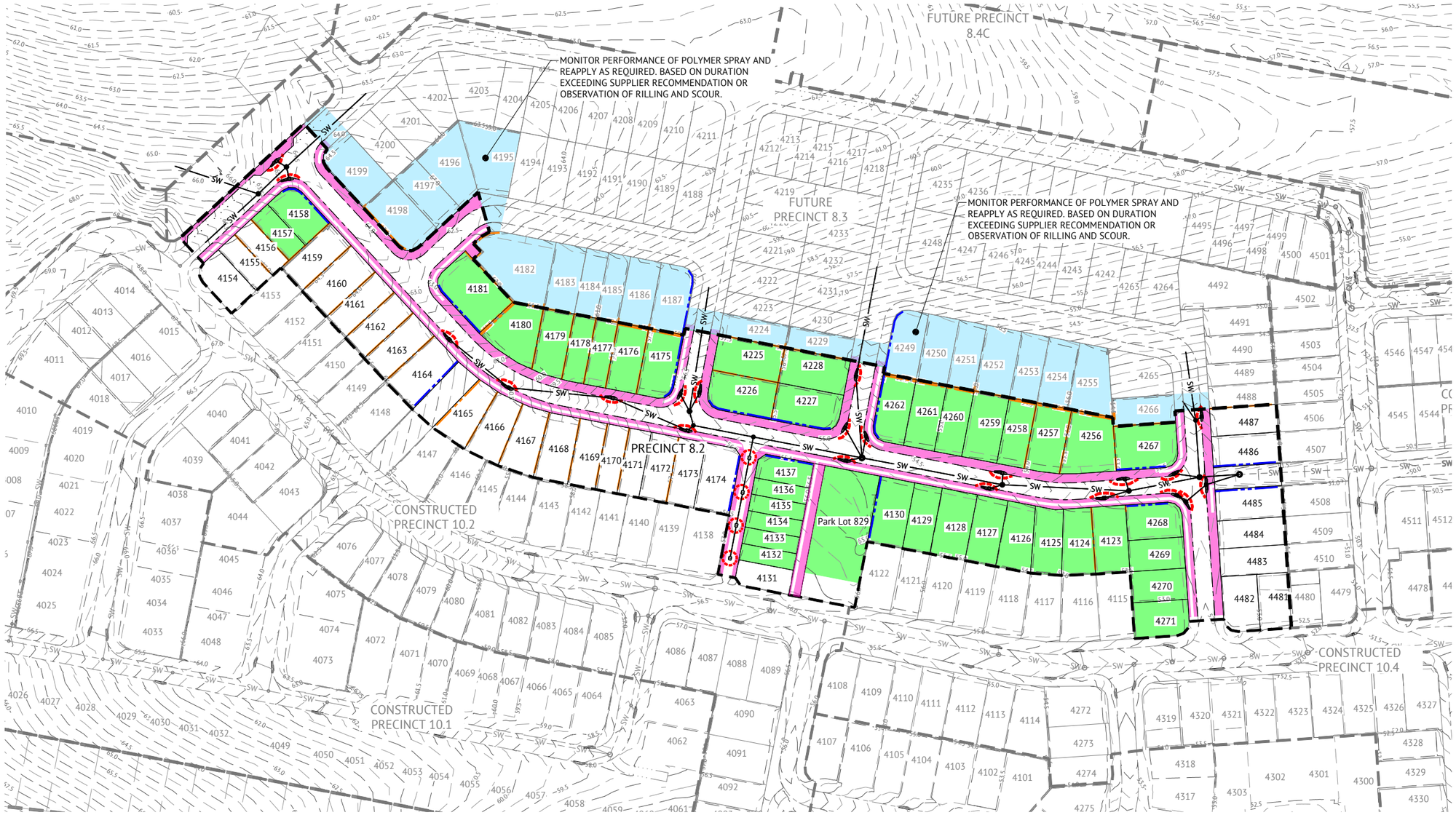
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 20 40 60m
SCALE 1:1000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE EROSION AND SEDIMENT CONTROL - BULK EARTHWORKS PHASE

JOB CODE MIR-0802
SHEET NUMBER C701
REV B



N

LEGEND - PROPOSED

- NO CHANGES TO STABILISATION WITHIN PRECINCT BOUNDARY
- 100mm THICK TOPSOIL RESPREAD AND DRILL SEEDING. APPLY BINDER IMMEDIATELY AFTER DRILL SEEDING
- 100mm THICK TOPSOIL AND TURF
- NO TOPSOIL AND POLYMER SPRAY (LOTS AS PART OF FUTURE PRECINCT)
- FIELD INLET PROTECTION. REFER DETAIL IECA DRAWING ESC-02 FOR DETAILS.
- GULLY INLET PROTECTION. REFER DETAIL IECA DRAWING ESC-03 FOR DETAILS.
- 12.0 — FINISHED CONTOURS AND LABELS
- SW — STORMWATER
- KERB LINE
- PRECINCT BOUNDARY
- PRECINCT BOUNDARY (FUTURE/EXISTING)

LEGEND - CONSTRUCTED

- SW — STORMWATER
- KERB LINE

SERVICE TRENCH AND ROAD CONSTRUCTION SEQUENCE

STEP 6
- A. PRIORITY SHOULD BE GIVEN TO PLACEMENT OF GRAVELS WITHIN ROAD AS A MEANS TO REDUCE EROSION RISK
- B. PAVEMENT CONSTRUCTION
- C. MAINTAIN ALL EXISTING ESC MEASURES DURING PAVEMENT CONSTRUCTION
- D. GULLY INLET CONTROLS TO BE REINSTATED DURING PAVEMENT AND STORMWATER CONSTRUCTION AND MAINTAINED UNTIL ENTIRE UPSLOPE CATCHMENT HAS BEEN STABILISED.

STEP 7
- A. MAINTENANCE PERIOD
- B. MAINTAIN CONTROL AND ESC AND VEGETATIVE TREATMENTS WHICH CONTROL SEDIMENTATION AND EROSION PRIOR TO THE ESTABLISHMENT OF STABILIZED GRASS COVER.

STEP 8
- A. REMOVE CONSTRUCTION ENTRANCES.
- B. ADDITIONAL EROSION CONTROLS ARE TO BE ERECTED AND MONITORED AS REQUIRED BY THE SUPERINTENDENT

NOTES

1. REFER EROSION AND SEDIMENT CONTROL NOTES AND DETAILS DRAWINGS.
2. ALL FOOTPATHS ARE TO BE FULLY TURFED AS SOON AS PRACTICAL.
3. CONTRACTOR TO ENSURE THAT GRASS SEEDED AREAS SHOWN ON THIS PLAN ACHIEVE SUFFICIENT STRIKE AND COVERAGE IN ACCORDANCE WITH LOGAN CITY COUNCIL STANDARDS.
4. POLYMER AREAS TO BE ROUTINELY INSPECTED FOR STABILISATION PERFORMANCE AND REAPPLIED AS REQUIRED TO PREVENT SCOURING UNTIL FURTHER WORKS COMMENCE.

TURFING AND TOPSOIL NOTE

CONTRACTOR SHALL RESPREAD AMELIORATED TOPSOIL (AMELIORATION REQUIREMENTS AS DIRECTED BY SUPERINTENDENT) TO VERGES AT A THICKNESS OF 100mm.

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION GUIDELINES.

T. CLARK (CPESC #6089)

NOTE:

FOR DISPERSIVE SOILS MANAGEMENT NOTES, REFER TO DRAWING C210.

FOR CONSTRUCTION

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PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 20 40 60m
SCALE 1:1000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: EROSION AND SEDIMENT CONTROL - STABILISATION PHASE

JOB CODE: MIR-0802
SHEET NUMBER: C702
REV: B

EROSION & SEDIMENT CONTROL NOTES

1. LOCATION & LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. REFER EARTHWORKS DRAWINGS FOR ADDITIONAL NOTES.
3. ALL TRENCHES, FOOTPATH EXCAVATIONS & STOCKPILES TO BE PROTECTED BY TEMPORARY SEDIMENT FENCES UNTIL 80% GRASS COVERAGE IS ACHIEVED TO DISTURBED AREAS.
4. EVERY PRECAUTION IS TO BE TAKEN TO PREVENT THE TRANSPORT OF SILT INTO THE NEWLY LAID STORMWATER PIPES THAT ARE CONNECTED TO THE DOWNSTREAM PIPE SYSTEMS, AND ANY EXISTING OPEN CHANNELS.
5. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
6. THE EROSION AND SEDIMENT CONTROL WORKS SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL AUTHORITIES EROSION AND SEDIMENT CONTROL STANDARDS.
7. THE CONTRACTOR SHALL TAKE ALL REASONABLE AND PRACTICABLE MEASURES TO:

- ALLOW STORMWATER TO PASS THROUGH THE SITE IN A CONTROLLED MANNER AND AT NON EROSIVE FLOW VELOCITIES;
- MINIMISE SOIL EROSION FROM WATER AND WIND;
- MINIMISE ADVERSE EFFECTS OF SEDIMENT RUN-OFF;
- MINIMISE OR PREVENT ENVIRONMENTAL HARM ASSOCIATED WITH DISCHARGES FROM THE SITE (E.G. THE EFFECTS OF SEDIMENTATION ON THE ENVIRONMENTAL VALUES OF RECEIVING WATERS); AND
- ENSURE THAT THE VALUE AND USE OF RESIDENTIAL PROPERTIES ADJACENT TO THE DEVELOPMENT (SUCH AS DRAINAGE AND ROADS) ARE NOT DIMINISHED AS A RESULT OF THE MIGRATION OF SEDIMENT FROM THE DEVELOPMENT.

4. THE CONTRACTOR SHALL APPOINT AN APPROPRIATELY EXPERIENCED PERSON TO BE MADE RESPONSIBLE FOR IMPLEMENTATION OF THE ESC.
5. ALL ESC MEASURES SHALL BE INSPECTED:

- AT LEAST DAILY (WHEN WORK IS OCCURRING ON SITE).
- AT LEAST WEEKLY (WHEN WORK IS NOT OCCURRING ON SITE).
- WITHIN 24 HOURS OF EXPECTED RAINFALL.
- WITHIN 18 HOURS OF RAINFALL OCCURRING.

6. MAINTENANCE OF ESC MEASURES SHALL OCCUR TO ENSURE THEY ARE OPERATING EFFICIENTLY AND IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

ESC MEASURES	MAINTENANCE TRIGGER	TIME FRAME FOR UNDERTAKING MAINTENANCE
ESC MEASURES	WHEN SETTLED SEDIMENT VOLUME EXCEEDS 25% OF THE CAPACITY OF THE ESC MEASURE	BY THE END OF THE DAY

7. INSTALL DIVERSION CATCH DRAINS UPSTREAM OF, AND SILT FENCE DOWNSTREAM OF, STOCKPILES.
8. STOCKPILES ARE TO BE LOCATED AWAY FROM EROSION HAZARD AREAS SUCH AS DRAINAGE LINES AND STEEP SLOPES.
9. STOCKPILES ARE TO BE PROTECTED FROM EROSION BY THE WIND.
10. ADEQUATE SUPPLIES OF EMERGENCY MAINTENANCE MATERIALS, INCLUDING (BUT NOT LIMITED TO) TIE WIRE, STAKES, FILTER CLOTH, WIRE MESH AND CLEAN GRAVEL SHOULD BE AVAILABLE ON-SITE.
11. ESC MAINTENANCE ACTIVITIES ARE TO BE RECORDED IN AN ON-SITE REGISTER. THE REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE WORKS AND IS TO BE MADE AVAILABLE TO THE SUPERINTENDENT.
12. DISTURBED AREA ARE TO BE STABILISED AS SOON AS POSSIBLE ON COMPLETION OF BULK EARTHWORKS. LOTS TO BE STABILISED FOLLOWING RESPREADING OF TOPSOIL.
13. SUPPLEMENTARY ESC MEASURES SHALL BE DIRECTED BY THE SUPERINTENDENT.

MAINTENANCE

1. INSPECT ALL CATCH DRAINS AT LEAST WEEKLY AND AFTER RUNOFF-PRODUCING STORM EVENTS AND REPAIR ANY SLUMPS, BANK DAMAGE. OR LOSS OF FREEBOARD.
2. CLOSELY INSPECT THE OUTER EDGES OF THE ROCK PROTECTION. ENSURE WATER ENTRY INTO THE ROCK -LINED AREA IS NOT CAUSING EROSION ALONG THE EDGE OF THE ROCK PROTECTION.
3. CAREFULLY CHECK THE STABILITY OF THE ROCK LOOKING FOR INDICATIONS OF PIPING, SCOUR HOLES, OR BANK FAILURES.
4. REPLACE OR REPOSITION THE SURFACE ROCK SUCH THAT THE DRAIN FUNCTIONS AS REQUIRED AND THE DRAIN'S REQUIRED HYDRAULIC CAPACITY IS NOT REDUCED.
5. REPLACE ANY DISPLACED ROCK WITH ROCK OF SIGNIFICANTLY (MINIMUM 110%) LARGER SIZE THAN THE DISPLACED ROCK.
6. ENSURE SEDIMENT IS NOT PARTIALLY BLOCKING THE DRAIN. WHERE NECESSARY, REMOVE ANY DEPOSITED MATERIAL TO ALLOW FREE DRAINAGE.
7. DISPOSE OD ANY SEDIMENT OF FILL IN A MANNER THAT WILL NOT CREATE AN EROSION OR POLLUTION HAZARD.

ROLES AND RESPONSIBILITIES

ROLE	RESPONSIBILITY
PROJECT MANAGER	• OVERALL RESPONSIBILITY OF ESC IMPLEMENTATION • NOTIFY THE ENVIRONMENTAL MANAGER IMMEDIATELY OF ANY NON-COMPLIANCE WITH ESCP • ENSURE THE PROMPT IMPLEMENTATION OF MEASURES TO MITIGATE EROSION AND SEDIMENT GENERATION
SITE SUPERVISOR / FOREMEN	• MONITOR DAILY RAINFALL • NOTIFY ENVIRONMENTAL ADVISOR/CONSULTANT WHEN RUNOFF GENERATING RAINFALL OCCURS IN THE PREVIOUS 24 HOURS • MAINTAIN CURRENT RECORDS OF RAINFALL, STORAGE VOLUMES, WATER QUALITY, TREATMENT PRACTICES, DISCHARGE VOLUMES (AS APPROPRIATE) • INSTALLATION AND MAINTENANCE OF ESC
ENVIRONMENTAL MANAGER	• PROVIDE DESIGN INFORMATION AS REQUIRED • CONDUCT IN-SITU MONITORING (AS REQUIRED) • COLLECT AND SUBMIT SAMPLES TO LABORATORY (AS REQUIRED) • COLLATE RESULTS AND PREPARE REPORTS (AS REQUIRED) • CONDUCT SITE INSPECTIONS AN AUDITS (AS REQUIRED) • INSPECT ESC INSTALLATION AND MAINTENANCE • INSPECT OFFSITE IMPACTS AND MANAGEMENT • PROVIDE ADVICE REGARDING ESC SITE IMPROVEMENT (AS REQUIRED)
ALL PERSONNEL	• REPORT ANY DAMAGE TO ESC DEVICES AND ANY POTENTIAL OR ACTUAL ENVIRONMENTAL HARM IN LINE WITH DUTY TO NOTIFY UNDER THE REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION ACT 1994

CORRECTIVE AND PREVENTATIVE ACTION

AN ENVIRONMENTAL INCIDENT WITH RESPECT TO THE ESCP IS DEFINED AS ANY OCCURRENCE WHERE SEDIMENT IS RELEASED FROM THE SITE, WHETHER CONTROLLED OR UNCONTROLLED, OR WHERE STORM WATER IS RELEASED (CONTROLLED) FROM SITE WHICH DOES NOT MEET THE WATER QUALITY REQUIREMENTS.

ALL INCIDENTS AND NON-CONFORMANCES ARE TO BE REPORTED, INVESTIGATED AND CORRECTED IN ACCORDANCE WITH THE ESCP TO ENSURE EFFECTIVE SOIL AND WATER QUALITY MANAGEMENT PRACTICES AT ALL TIMES.

BEST PRACTICE SITE MANAGEMENT REQUIRES ALL ESC MEASURES TO BE INSPECTED BY THE CONTRACTORS NOMINATED REPRESENTATIVE AT LEAST DAILY WHEN RAIN IS OCCURRING, WITHIN 24 HOURS PRIOR TO EXPECTED RAINFALL, AND WITHIN 18 HOURS OF A RAINFALL EVENT OF SUFFICIENT INTENSITY AND DURATION TO CAUSE ONSITE RUNOFF (IECA, 2008). SUCH INSPECTIONS MUST CHECK:

- DAILY SITE INSPECTIONS (DURING PERIODS OF RUNOFF PRODUCING RAINFALL)
  - ALL DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES
  - OCCURRENCES OF EXCESSIVE SEDIMENT DEPOSITION (WHETHER ON-SITE OR OFF-SITE)
  - ALL SITE DISCHARGE POINTS (INCLUDING DEWATERING ACTIVITIES AS APPROPRIATE)
- WEEKLY SITE INSPECTIONS (EVEN IF WORK IS NOT OCCURRING ON-SITE)
  - ALL DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES
  - OCCURRENCES OF EXCESSIVE SEDIMENT DEPOSITION (WHETHER ON-SITE OR OFF-SITE)
  - OCCURRENCES OF CONSTRUCTION MATERIALS, LITTER OR SEDIMENT PLACED, DEPOSITED, WASHED OR BLOWN FROM THE SITE, INCLUDING DEPOSITION BY VEHICULAR MOVEMENTS.
  - LITTER AND WASTE RECEPTORS
  - OIL, FUEL AND CHEMICALS STORAGE FACILITIES
- PRIOR TO ANTICIPATED RUNOFF PRODUCING RAINFALL
  - ALL DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES
  - ALL TEMPORARY FLOW DIVERSION AND DRAINAGE WORKS
- FOLLOWING RUNOFF PRODUCING RAINFALL
  - ALL DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES
  - OCCURRENCES OF EXCESSIVE SEDIMENT DEPOSITION (WHETHER ON-SITE OR OFF-SITE)
  - OCCURRENCES OF CONSTRUCTION MATERIALS, LITTER OR SEDIMENT PLACED, DEPOSITED, WASHED OR BLOWN FORM THE SITE, INCLUDING DEPOSITION BY VEHICULAR MOVEMENTS.

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION GUIDELINES.

T. CLARK (CPESC #6089)

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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28/05/2024	A	ISSUED FOR APPROVAL	KK	PB

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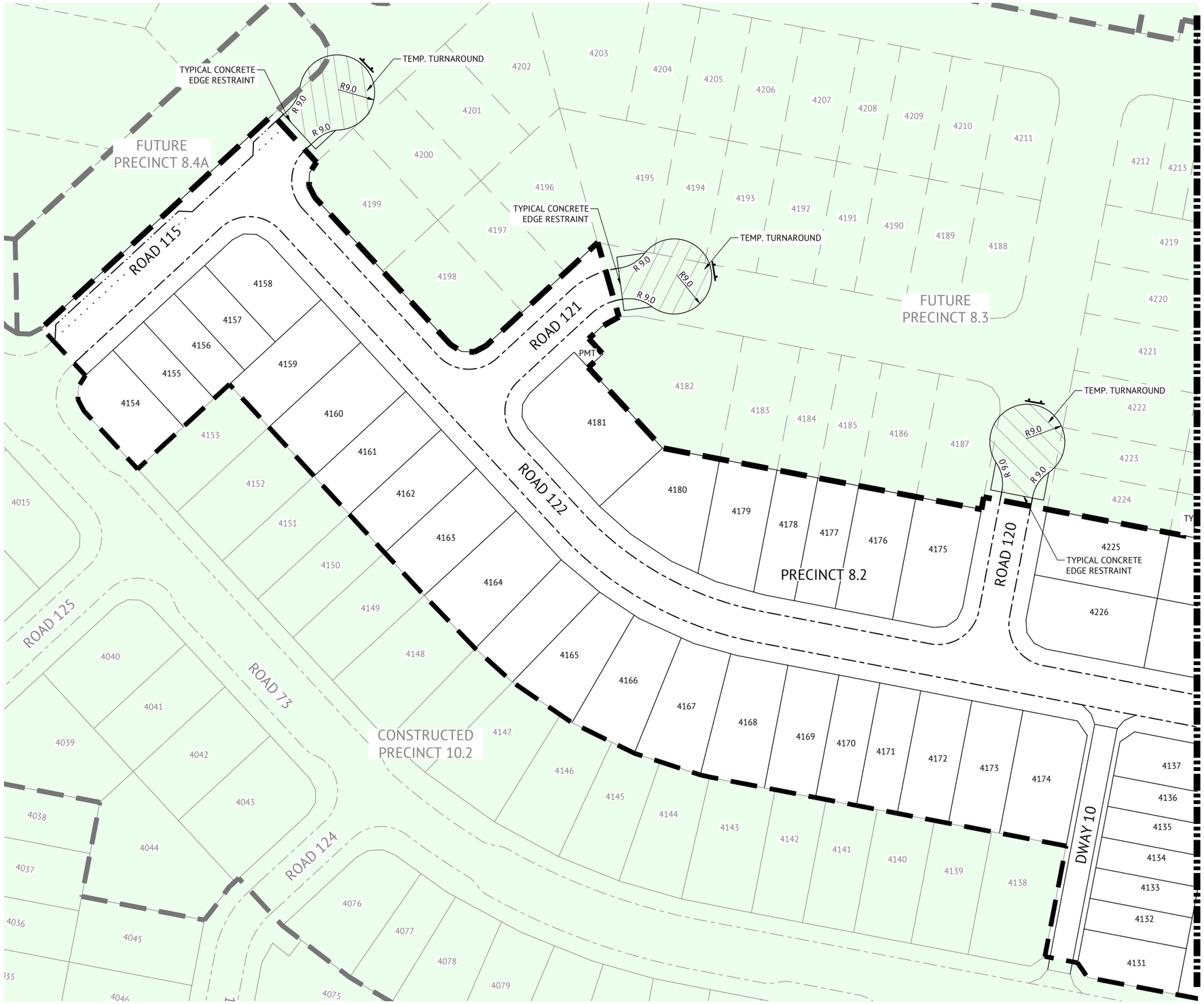
DESIGNED MARK DAVIS
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112
SCALE
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

JOB CODE MIR-0802
SHEET NUMBER C710
REV B



LAYOUT PLAN

SCALE 1:500

N

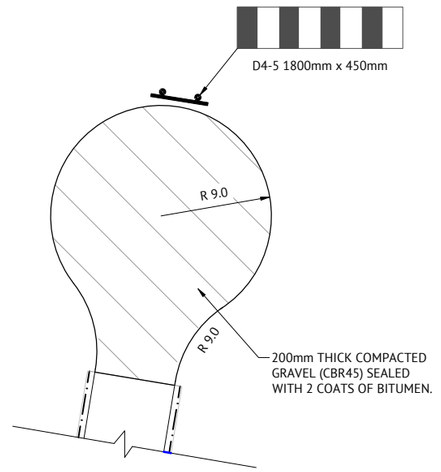
LEGEND

LOT BOUNDARIES

STAGE BOUNDARIES

NOTE

CONTRACTOR TO ENSURE THAT THE SURFACE WATER IN TURNAROUND IS DIRECTED TO KERB AND CHANNEL AND OVERLAND FLOW PATHS ARE CONSIDERED. CONTRACTOR TO NOTIFY SUPERINTENDENT SHOULD THIS CRITERIA NOT BE MET.



TYPICAL TEMPORARY TURN AROUND DETAIL

SCALE 1:250

FOR CONSTRUCTION

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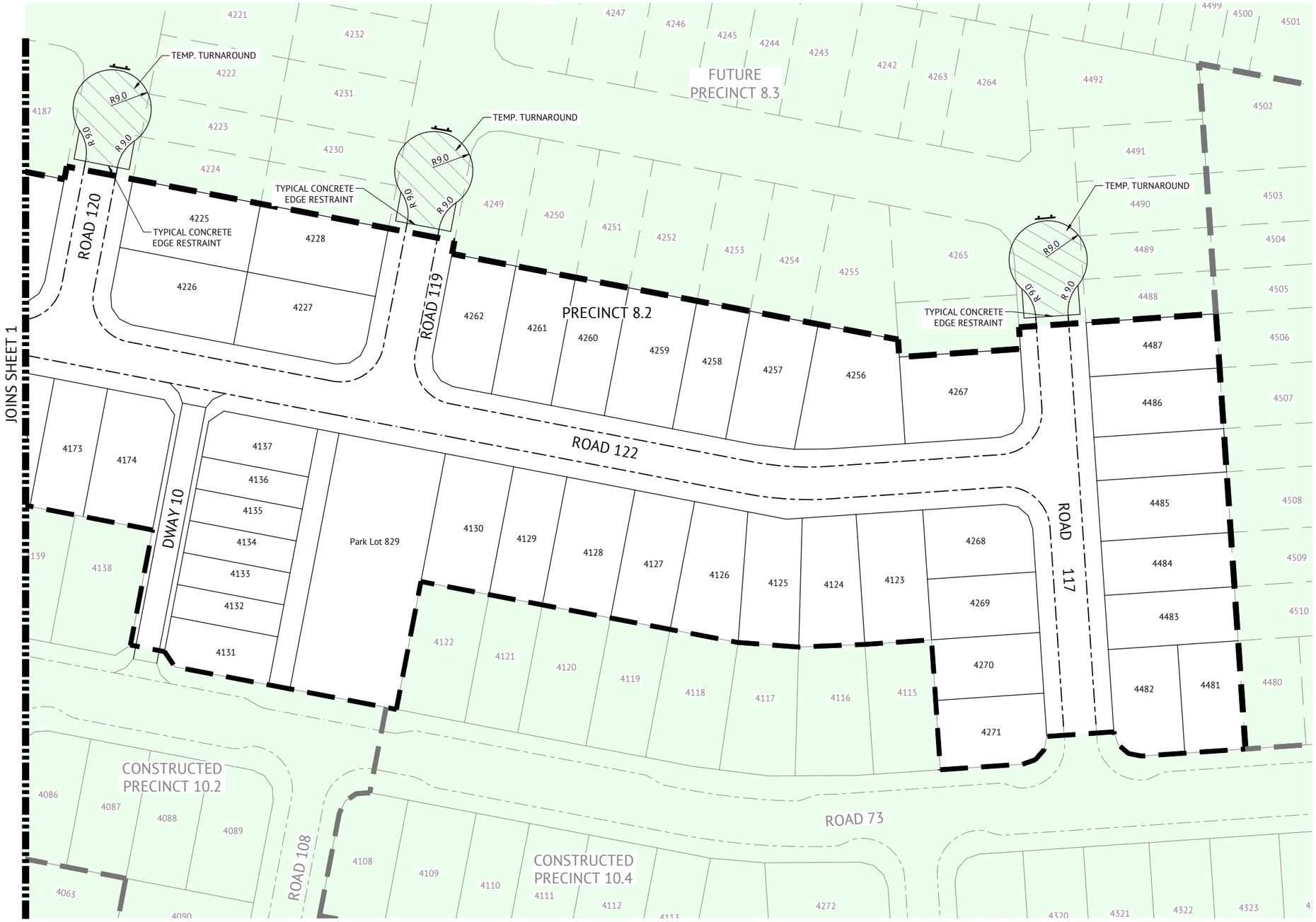
DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE 0 20 40 60m
SCALE 1:1000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE TEMPORARY WORKS - ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 1

JOB CODE MIR-0802
SHEET NUMBER C900
REV B



LAYOUT PLAN
SCALE 1:500

N

LEGEND

LOT BOUNDARIES

STAGE BOUNDARIES

NOTE

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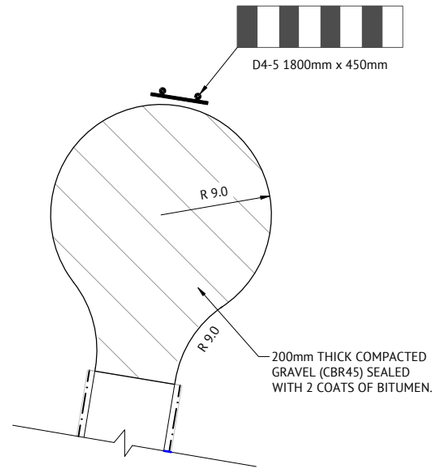

TYPICAL TEMPORARY
TURN AROUND DETAIL
SCALE 1:250

FOR CONSTRUCTION

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CHECKED: ANDREW LANGDON
PROJECT MANAGER: NICK SOMERVILLE
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

SCALE
0 20 40 60m
SCALE 1:1000 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
PROJECT: EVERLEIGH PRECINCT 8.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: TEMPORARY WORKS - ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 2

JOB CODE: MIR-0802
SHEET NUMBER: C901
REV: B