

EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT TEVIOT ROAD, GREENBANK FOR MIRVAC QLD PTY LTD

SHEET LIST TABLE	
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C001	COVER SHEET
C002	SURVEY SETOUT PLAN
C003	OVERALL SERVICES LAYOUT
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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
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C901	TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 2

GENERAL NOTES

- ALL DIMENSIONS GIVEN ON THESE DRAWINGS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL NEW WORK AND MATERIALS SHALL COMPLY WITH CURRENT RELEVANT COUNCIL STANDARDS AND SPECIFICATIONS.
- ALL WORK SHALL BE JOINED NEATLY TO EXISTING CONSTRUCTION.
- 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.
- 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.
- CONSTRUCTION CERTIFICATION REQUIREMENTS SUCH AS PAVEMENT PROOF ROLLS ETC. ARE TO BE AS PER THE LOGAN CITY COUNCIL SPECIFICATION.
- THESE NOTES SHALL APPLY TO ALL PORTIONS OF WORK.
- THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS. ANY POINT OF CONFLICT WILL BE RESOLVED BY THE SUPERINTENDENT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CONSTRUCTION MANAGEMENT PLAN FOR THE SITE TO BE ACCEPTED BY EQD. THIS PLAN IS TO INCLUDE ALL ITEMS AS LISTED IN THE DECISION NOTICE AS A MINIMUM.

NOISE

- 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

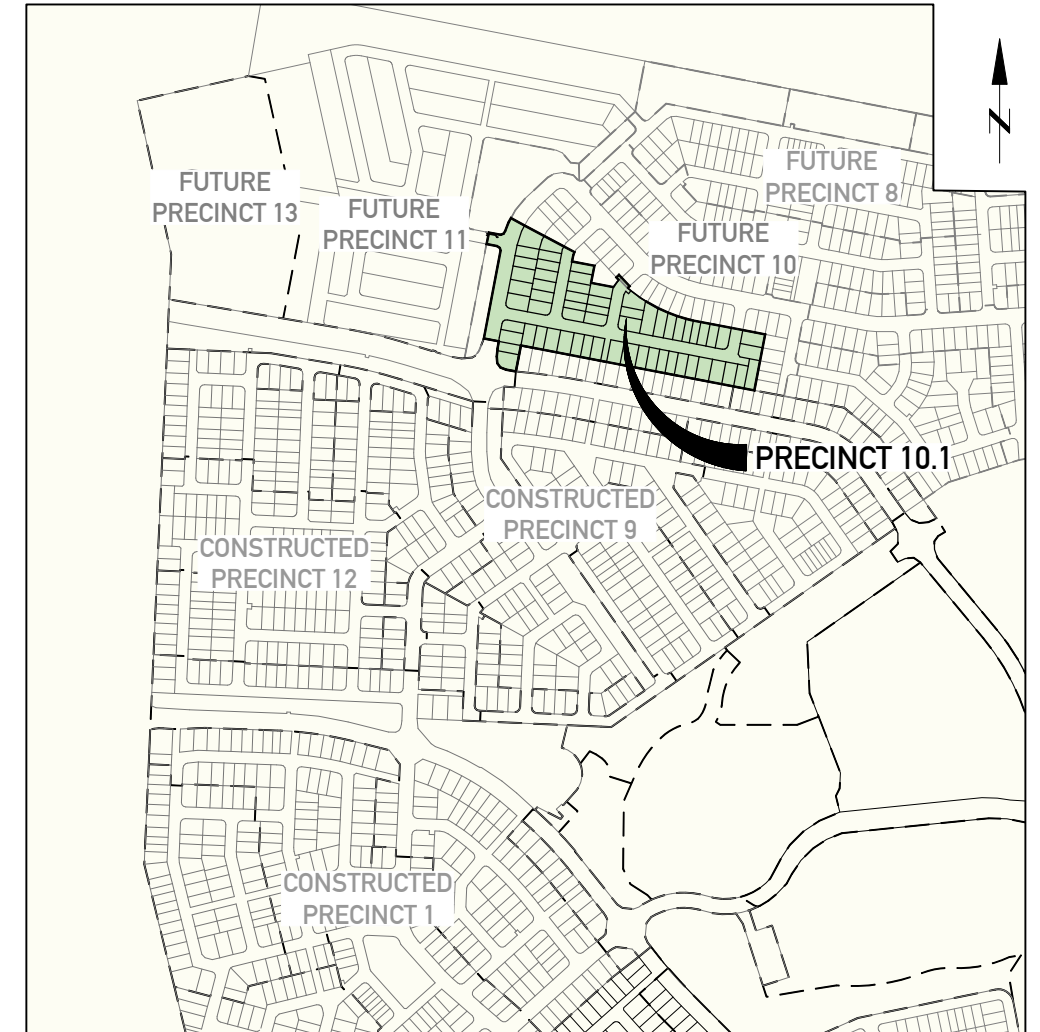
- NO LOCATING/ POTHOLING OF EXISTING SERVICES HAS BEEN CARRIED OUT. THE CONTRACTOR IS TO DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING SERVICES WHICH AFFECT THE WORKS AND REPORT ANY POTENTIAL CLASHES TO THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORKS.
- THE CONTRACTOR IS RESPONSIBLE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

WORKPLACE HEALTH & SAFETY

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

SETOUT NOTES

- 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.
- THE LEVEL DATUM FOR WORKS IS A.H.D (AUSTRALIAN HEIGHT DATUM).



LOCALITY PLAN
Scale 1:5000



FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB



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	JOB CODE	MIR-1001
PROJECT	EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT	SHEET NUMBER	C001
LOCATION	TEVIOT ROAD, GREENBANK	REV	B
SHEET TITLE	COVER SHEET		



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

39,399m²

REAL PROPERTY DESCRIPTION

LOT 2 on SP297192

LAYOUT PLAN

SCALE 1:1000

FOR CONSTRUCTION

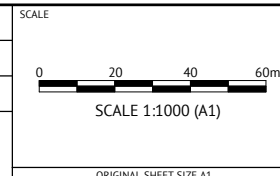
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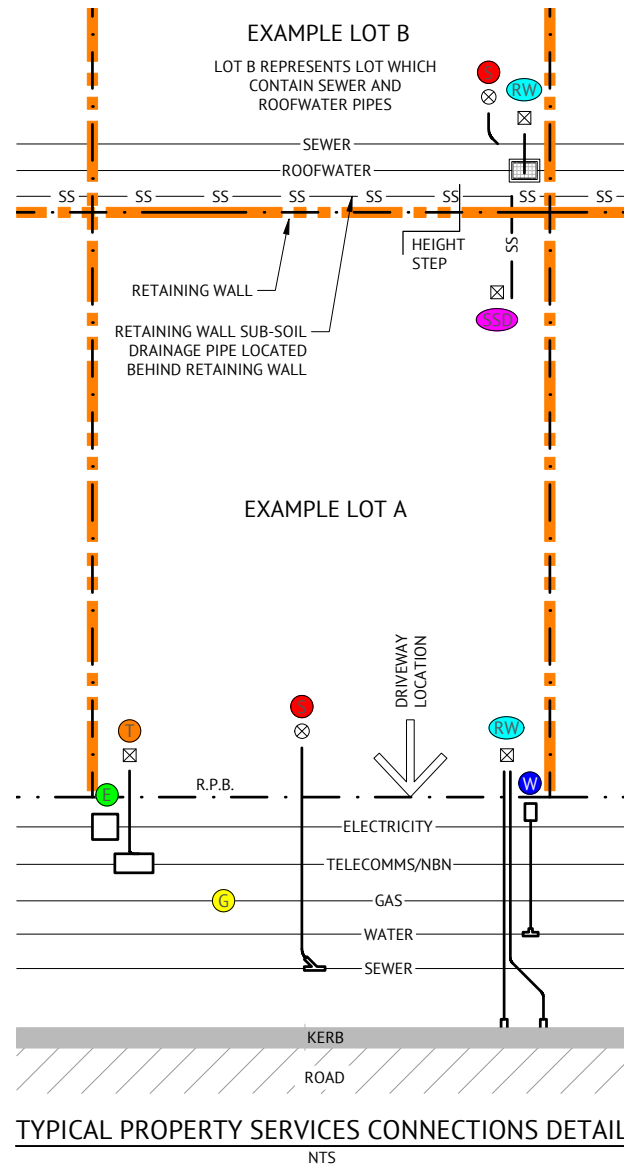
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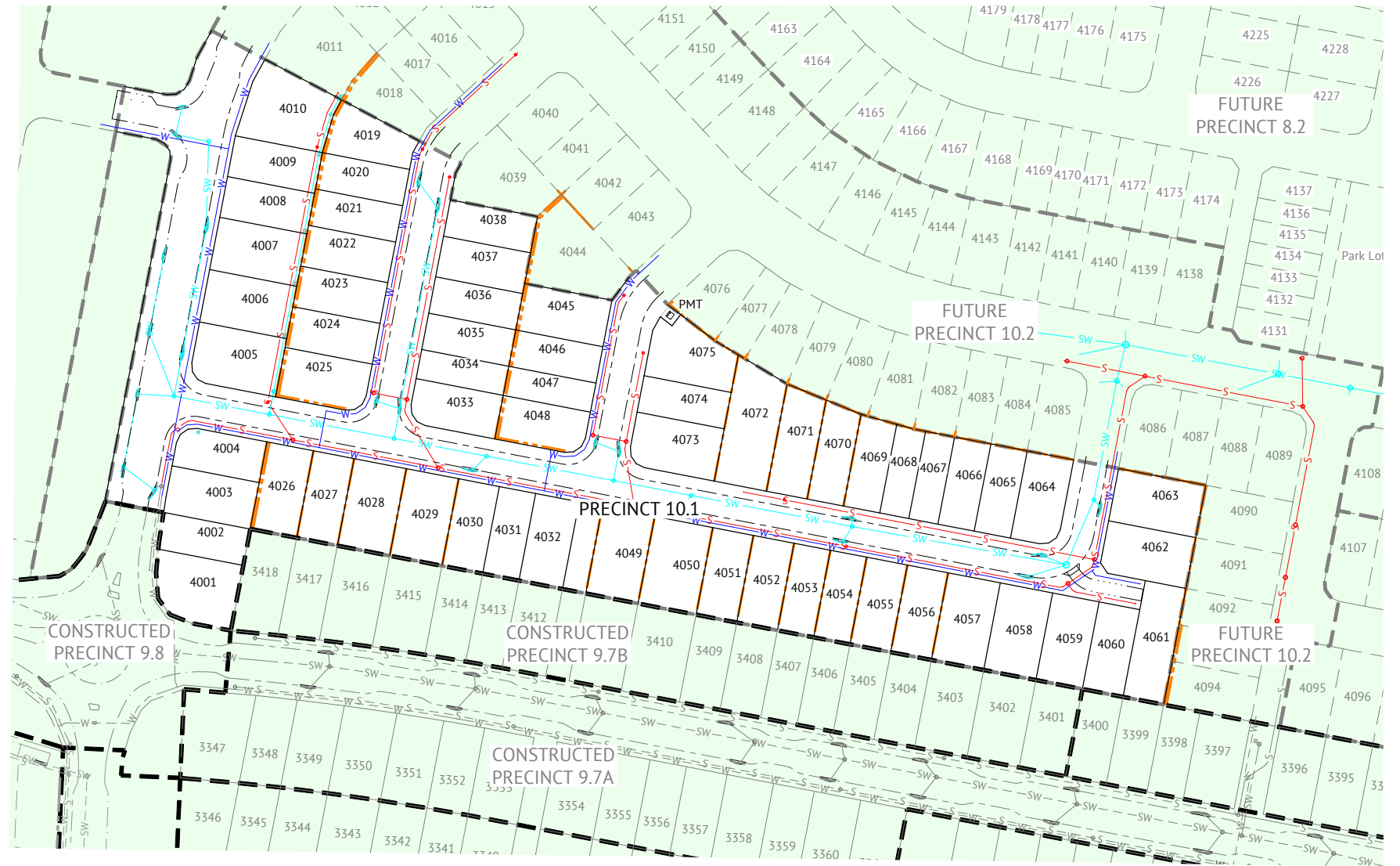
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 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
SURVEY SETOUT PLAN

JOB CODE
MIR-1001
 SHEET NUMBER
C002
 REV
B



LEGEND - PROPERTY SERVICE CONNECTIONS

- W** **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".
 - S** **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."
 - RW** **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."
 - SSD** **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".
 - T** **TELECOMMUNICATIONS/NBN** - PVC CONDUIT (BURIED APPROX 300mm), MARKED WITH 900x50x25 HW STAKE LABELLED "TELECOMMS".
 - E** **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".
 - G** **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
- S** GRAVITY SEWER
- W** WATER

LEGEND - CONSTRUCTED

- SW---SW--- STORMWATER
- S---S--- GRAVITY SEWER
- W---W--- WATER

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SHEET TITLE
OVERALL SERVICES LAYOUT

JOB CODE
MIR-1001
SHEET NUMBER
C003
REV
B

DESIGN HAZARD NOTES:

- 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.
- THIS REPORT SUMMARISES AN INTERNAL REVIEW OF PREMISE'S DETAILED DESIGN DRAWINGS FOR DESIGN SAFETY.
- 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.
- 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.
- 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. PERMANENT INJURY TO PERSON ONSITE.	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:

- 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.
- 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 <u>IS</u> EXPECTED TO OCCUR IN MOST CERTAIN CIRCUMSTANCES	MORE THAN ONCE PER YEAR
B - LIKELY	THE EVENT <u>WILL</u> PROBABLY OCCUR IN MOST CIRCUMSTANCES	AT LEAST ONCE IN 5 YEARS
C - POSSIBLE	THE EVEN T <u>SHOULD</u> OCCUR AT SOME TIME	AT LEAST ONCE IN 10 YEARS
D - UNLIKELY	THE EVENT <u>COULD</u> OCCUR AT SOME TIME	AT LEAST ONCE IN 30 YEARS
E - RARE	THE EVENT <u>MAY</u> 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 SWEEP 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.

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Patrick Brady


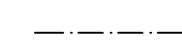
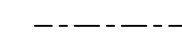
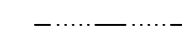
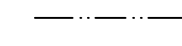
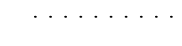


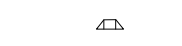


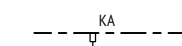
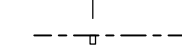



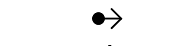
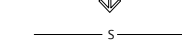
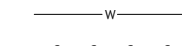








PATRICK BRADY RPEQ 7112

SCALE	CLIENT MIRVAC QLD PTY LTD	JOB CODE MIR-1001
	PROJECT EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT	SHEET NUMBER C004
	LOCATION TEVIOT ROAD, GREENBANK	REV B
	SHEET TITLE SAFETY IN DESIGN	



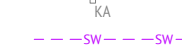
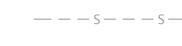

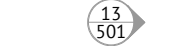

ORIGINAL SHEET SIZE A1

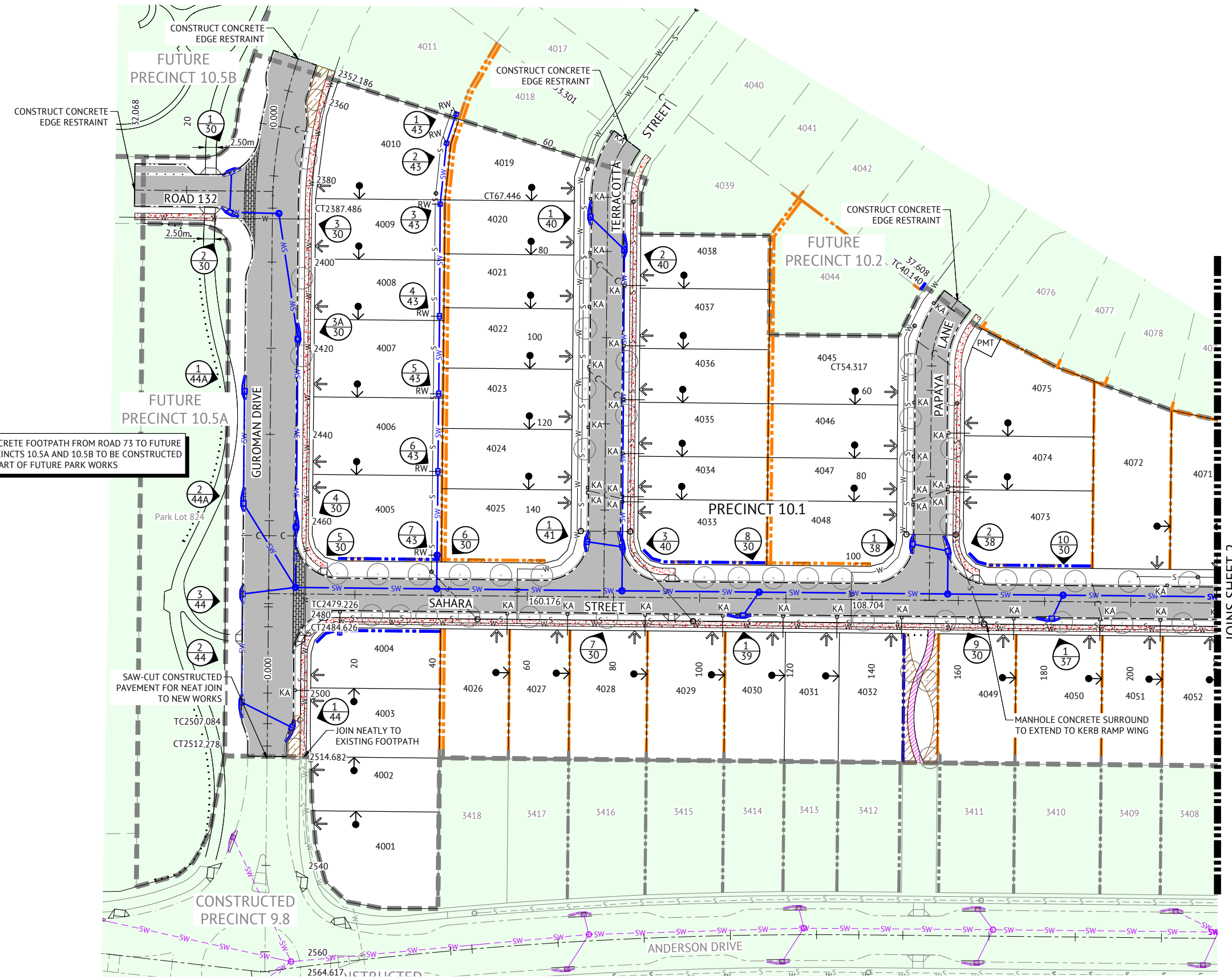


LEGEND - PROPOSED

-  PAVEMENT
-  PROPOSED IPWEA STD TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
-  PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
-  PROPOSED IPWEA TYPE 'ER1' EDGE RESTRAINT. REFER IPWEA STD DWG RS-080.
-  PROPOSED IPWEA STD TYPE 'B2' KERB ONLY. REFER IPWEA STD DWG RS-080.
-  PROPOSED IPWEA CHANNEL 900 WIDE. 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.
-  PROPOSED STORMWATER
-  PROPOSED STORMWATER STRUCTURE No.
-  ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C420.
-  ROOFWATER DRAINAGE KERB ADAPTORS. REFER DETAIL ON DWG C420.
-  PROPOSED ROOFWATER HOUSE CONNECTION (150 Ø uPVC)
-  PROPOSED CONCRETE SLEEPER RETAINING WALL
-  PROPOSED CONCRETE PANEL RETAINING WALL
-  ZERO LOT BOUNDARY
-  PROPOSED FUTURE DRIVEWAY LOCATION
-  PROPOSED SEWER
-  PROPOSED WATER
-  PROPOSED WATER CONDUIT
-  STAGE BOUNDARY
-  DURATHEN THRESHOLD TREATMENT. REFER TO URBIS EVERLEIGH LANDSCAPE MASTERPLAN - PART B (PAGE 20) FOR COLOUR AND PATTERN.
-  PROPOSED LANDSCAPING. CONCRETE EDGE RESTRAINT BY LANDSCAPING CONTRACTOR. CIVIL CONTRACTOR TO COORDINATE WITH LANDSCAPING CONTRACTOR TO CARRY OUT THEIR WORKS. REFER TO LANDSCAPE DRAWINGS FOR FURTHER DETAIL.
-  TREES
-  BOLLARD
-  PADMOUNT TRANSFORMER

LEGEND - CONSTRUCTED

-  ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C420.
-  ROOFWATER DRAINAGE KERB ADAPTORS. REFER DETAIL ON DWG C420.
-  STORMWATER
-  SEWER
-  WATER
-  RETAINING WALL
-  STORMWATER STRUCTURE No.



LAYOUT PLAN
SCALE 1:500

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	REVISIONS
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK PB
05/12/2022	A	ORIGINAL ISSUE	KK PB
			REC APP

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


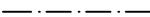
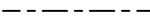




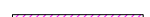









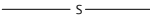








DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

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






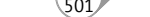

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 1

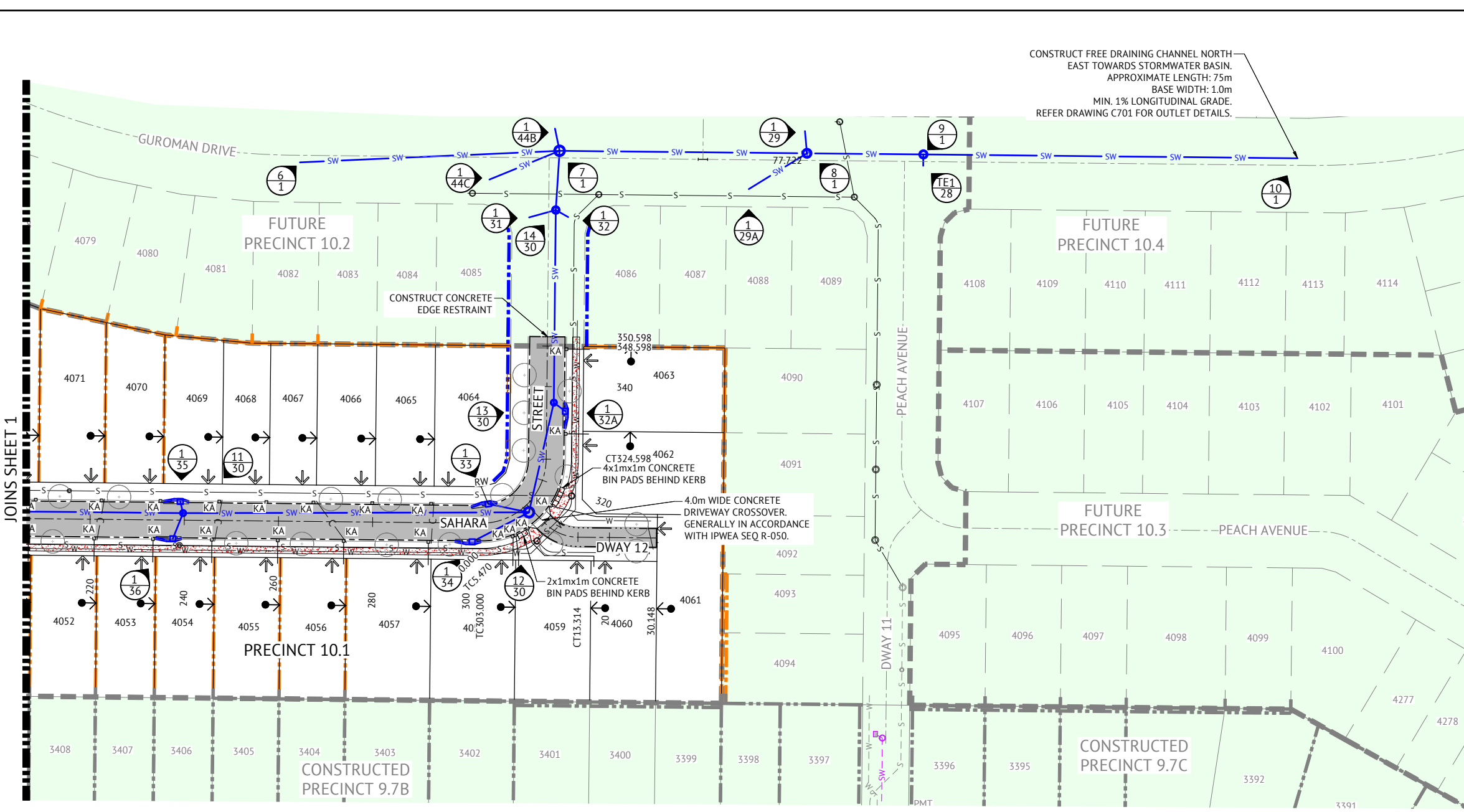
JOB CODE
MIR-1001
SHEET NUMBER
C100
REV
B

LEGEND - PROPOSED

-  PAVEMENT
-  PROPOSED IPWEA STD TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
-  PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
-  PROPOSED IPWEA TYPE 'ER1' EDGE RESTRAINT. REFER IPWEA STD DWG RS-080.
-  PROPOSED IPWEA STD TYPE 'B2' KERB ONLY. REFER IPWEA STD DWG RS-080.
-  PROPOSED IPWEA CHANNEL 900 WIDE. 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.
-  PROPOSED STORMWATER
-  PROPOSED STORMWATER STRUCTURE No.
-  ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C420.
-  ROOFWATER DRAINAGE KERB ADAPTORS. REFER DETAIL ON DWG C420.
-  PROPOSED ROOFWATER HOUSE CONNECTION (150 Ø uPVC)
-  PROPOSED CONCRETE SLEEPER RETAINING WALL
-  PROPOSED CONCRETE PANEL RETAINING WALL
-  ZERO LOT BOUNDARY
-  PROPOSED FUTURE DRIVEWAY LOCATION
-  PROPOSED SEWER
-  PROPOSED WATER
-  PROPOSED WATER CONDUIT
-  STAGE BOUNDARY
-  DURATHEM THRESHOLD TREATMENT. REFER TO URBIS EVERLEIGH LANDSCAPE MASTERPLAN - PART B (PAGE 20) FOR COLOUR AND PATTERN.
-  PROPOSED LANDSCAPING. CONCRETE EDGE RESTRAINT BY LANDSCAPING CONTRACTOR. CIVIL CONTRACTOR TO COORDINATE WITH LANDSCAPING CONTRACTOR TO CARRY OUT THEIR WORKS. REFER TO LANDSCAPE DRAWINGS FOR FURTHER DETAIL.
-  TREES
-  PADMOUNT TRANSFORMER

LEGEND - CONSTRUCTED

-  ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C420.
-  ROOFWATER DRAINAGE KERB ADAPTORS. REFER DETAIL ON DWG C420.
-  STORMWATER
-  SEWER
-  WATER
-  RETAINING WALL
-  STORMWATER STRUCTURE No.



CONSTRUCT FREE DRAINING CHANNEL NORTH EAST TOWARDS STORMWATER BASIN. APPROXIMATE LENGTH: 75m. BASE WIDTH: 1.0m. MIN. 1% LONGITUDINAL GRADE. REFER DRAWING C701 FOR OUTLET DETAILS.

CONSTRUCT CONCRETE EDGE RESTRAINT

4.0m WIDE CONCRETE DRIVEWAY CROSSOVER. GENERALLY IN ACCORDANCE WITH IPWEA SEQ R-050.

LAYOUT PLAN
SCALE 1:500

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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			
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05/12/2022	A	ORIGINAL ISSUE	KK PB
			REC APP

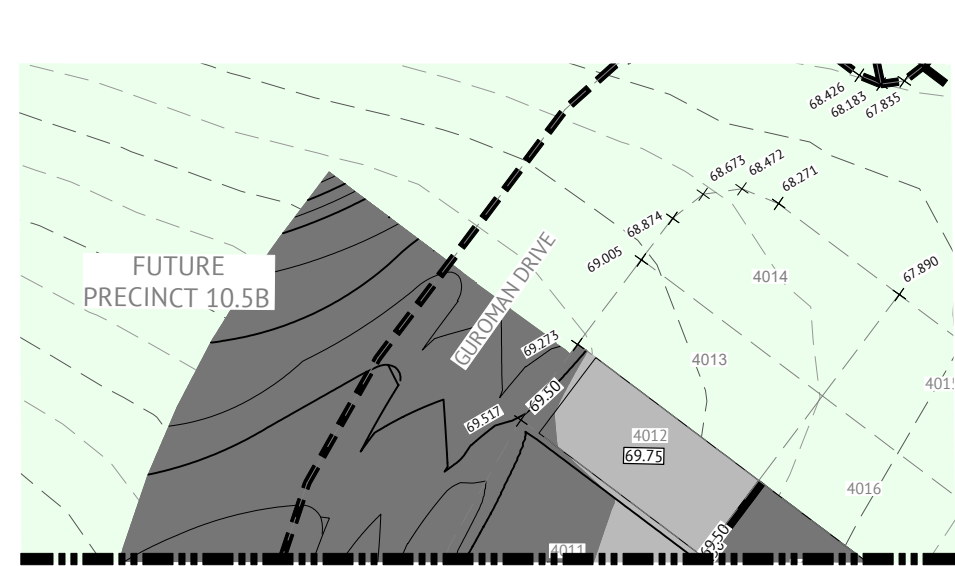
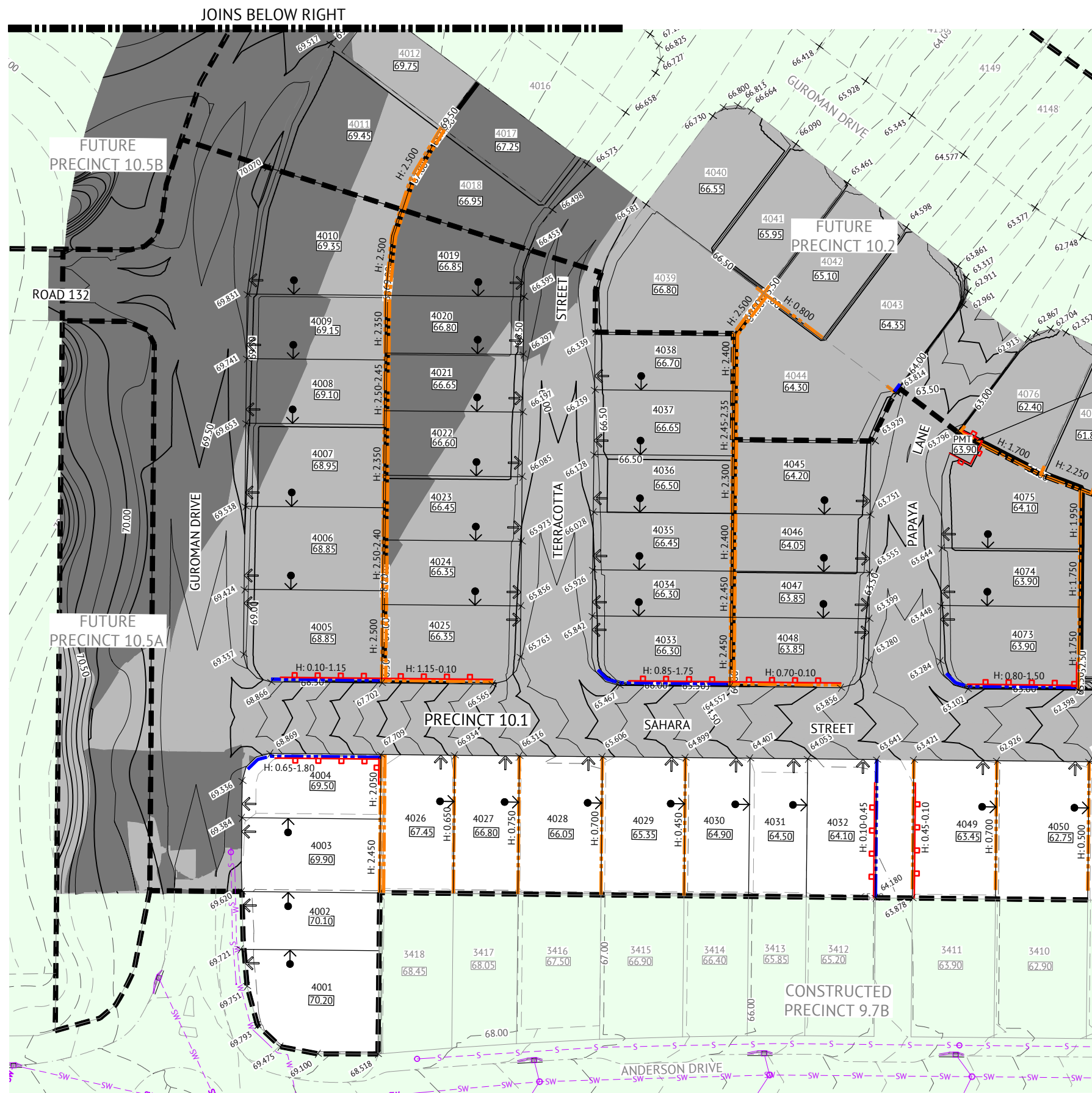
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PKB
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 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROADWORKS AND DRAINAGE LAYOUT PLAN - SHEET 2

JOB CODE
MIR-1001
SHEET NUMBER
C101
REV
B



JOINS ABOVE LEFT

RETAINING WALL ADJACENT PMT TO BE WHOLLY LOCATED WITHIN LOTS 4076 AND 4075. STEP RETAINING WALL AT REAR OF PMT TO STANDARD INTER ALLOTMENT ALIGNMENT AS PER DRAWING C211.

LEGEND - PROPOSED

- NO CHANGES TO BULK EARTHWORKS. EARTHWORKS DONE AS PART OF PRECINCT 9 EARTHWORKS PACKAGE
- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (1.00m)
- FINISHED MINOR CONTOURS (0.25m)
- FINISHED SURFACE LEVEL
- PROPOSED CONCRETE SLEEPER RETAINING WALL (AND HEIGHT). TIMBER TEXTURED SLEEPERS AND 2 COAT PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- PROPOSED CONCRETE PANEL RETAINING WALL (AND HEIGHT). 2 COAT TEXTURED PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- FEATURE FENCE ON TOP OF RETAINING WALL BY LANDSCAPER
- FOOTPATH SPOT LEVEL
- ZERO LOT LINE
- PROPOSED FUTURE DRIVEWAY LOCATION
- STAGE BOUNDARY

LEGEND - CONSTRUCTED

- RETAINING WALL
- CONTOURS (0.50m)
- STORMWATER
- SEWER
- WATER

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

EARTHWORKS FOR LOTS 4001-4004, 4026-4032, 4049-4061 & 4094 COMPLETED AS PART OF PRECINCT 9 WORKS

LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION

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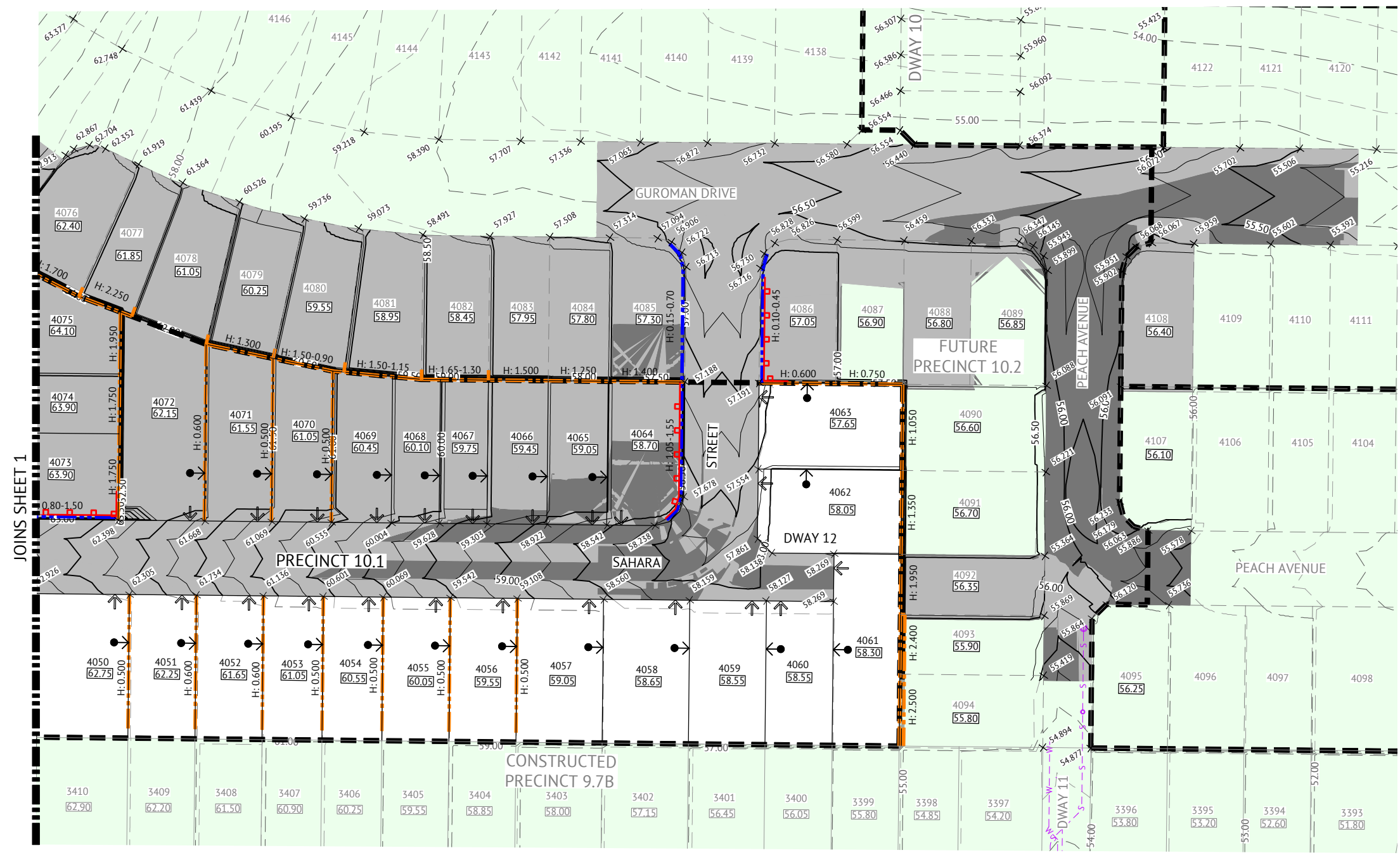
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PATRICK BRADY RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
BULK EARTHWORKS LAYOUT PLAN - SHEET 1

JOB CODE
MIR-1001
SHEET NUMBER
C200
REV
B

DATE	REV	DESCRIPTION	REVISIONS	KK	PB
18/08/2023	B	ISSUED FOR CONSTRUCTION		KK	PB
05/12/2022	A	ORIGINAL ISSUE		KK	PB



LEGEND - PROPOSED

- NO CHANGES TO BULK EARTHWORKS. EARTHWORKS DONE AS PART OF PRECINCT 9 EARTHWORKS PACKAGE
- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (1.00m)
- 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
- FEATURE FENCE ON TOP OF RETAINING WALL BY LANDSCAPER
- 58.25 X FOOTPATH SPOT LEVEL
- ZERO LOT LINE
- ↓ PROPOSED FUTURE DRIVEWAY LOCATION
- STAGE BOUNDARY

LEGEND - CONSTRUCTED

- RETAINING WALL
- CONTOURS (0.50m)
- SW STORMWATER
- S SEWER
- W WATER

EARTHWORKS FOR LOTS 4001-4004, 4026-4032, 4049-4061 & 4094 COMPLETED AS PART OF PRECINCT 9 WORKS

LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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05/12/2022	A	ORIGINAL ISSUE	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 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
BULK EARTHWORKS LAYOUT PLAN - SHEET 2

JOB CODE
MIR-1001
SHEET NUMBER
C201
REV
B

NOTES

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

TESTING

- 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

- 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	

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

DUST

- 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 MODELLING AND ASSESSMENT OF AIR POLLUTANTS IN NSW.'
- THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN CONTROLS TO ACHIEVE THE REQUIREMENTS OF ITEM 1 ABOVE.

FILL MANAGEMENT

- 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.
- THE FILL MATERIAL WILL COMPRISE ONLY OF NATURAL EARTH AND ROCK AND SHALL BE FREE OF ALL CONTAMINATES, NOXIOUS, HAZARDOUS, DELETERIOUS AND ORGANIC MATERIAL.
- ALL SITE PREPARATION WORK SHOULD GENERALLY BE CARRIED OUT IN ACCORDANCE WITH AS3798 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS'.
- THE SITE SHOULD BE STRIPPED OF ANY TOPSOIL FROM CUT AND FILL AREAS, ROAD ALIGNMENTS AND CARPARKING AREAS, AND STOCKPILED FOR LATER USE.
- 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.
- 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.
- 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.
- 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.
- NO DEMOLITION MATERIAL TO BE USED AS FILL MATERIAL.
- WHERE UNSUITABLE MATERIAL IN AREAS OF FILL IS ENCOUNTERED, THIS WILL BE TREATED AS SET OUT IN THE EARTHWORK SPECIFICATION.
- 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.
- 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

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

DISPERSIVE SOILS MANAGEMENT NOTES

- GYPHUM 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.
- 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.
- 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
- 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/m³ OF TOPSOIL)
- DOLOMITE (15kg/m³ OF TOPSOIL)
- GRANULAR WETTING AGENT (0.5kg/m³ OF TOPSOIL)
- FERTILISER (0.4kg/m³ OF TOPSOIL)

B-GRADE QUALITY TOPSOIL AMELIORATION:

- SCREEN STRIPPED TOPSOIL
- DOLOMITE (15kg/m³ OF TOPSOIL)
- GRANULAR WETTING AGENT (0.5kg/m³ OF TOPSOIL)
- FERTILISER (0.4kg/m³ 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:

- OMC - OPTIMUM MOISTURE CONTENT
- LAYER OF THICKNESS IS LIMITED TO 300mm TO ALLOW IDENTIFICATION OF LARGER PARTICLES AND ALLOW EVERY CHANCE OF BREAK DOWN IN FILLING OR REMOVAL.
- 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.
- UPPER 0.6m, (PARTICULARLY IN AREAS OF DEEP FILL), OF THE FILL PROFILE TO BE RELATIVELY IMPERMEABLE HENCE INCREASE IN FINES COMPONENT.
- 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.
- 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

- DELIVER RESIDENTIAL LOTS WITH FAVOURABLE LOT CLASSIFICATIONS - I.E - NO P CLASSIFICATIONS
- FILL THICKNESS DOES NOT VARY MORE THAN 2m OVER A DISTANCE OF 10m
- CONSTRUCT FILL AND LIMIT LONG TERM CREEP SETTLEMENTS TO WITHIN 0.5% TO 1.0% OF THE FILL THICKNESS
- BUILDING PLATFORM THAT ALLOWS BUILDERS TO CONSTRUCT SLAB ON GROUND RAFTS USING LIGHT EARTHMOVING EQUIPMENT
- 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
- CREATING A FILL PLATFORM THAT IS ABLE TO BE TESTED IN ACCORDANCE WITH AS3798 AND AS1289

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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 10.1 SUBDIVISION DEVELOPMENT

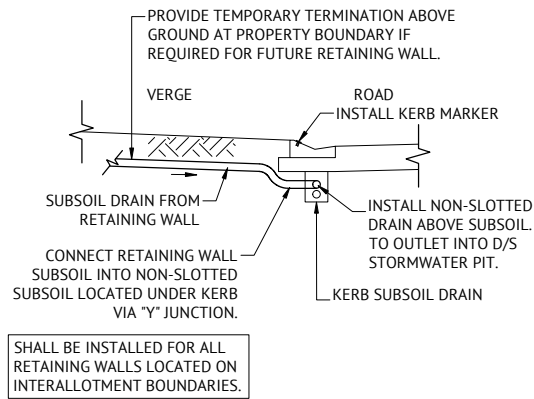
LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
BULK EARTHWORKS NOTES AND DETAILS - SHEET 1

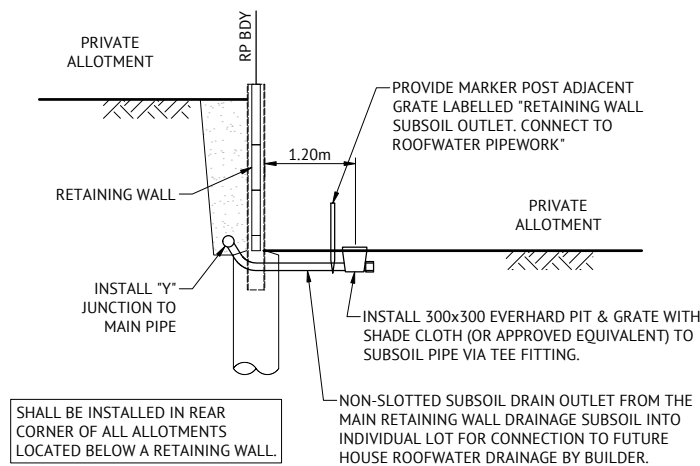
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SHEET NUMBER
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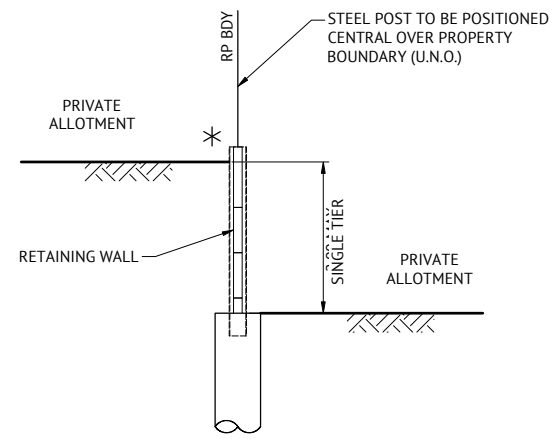
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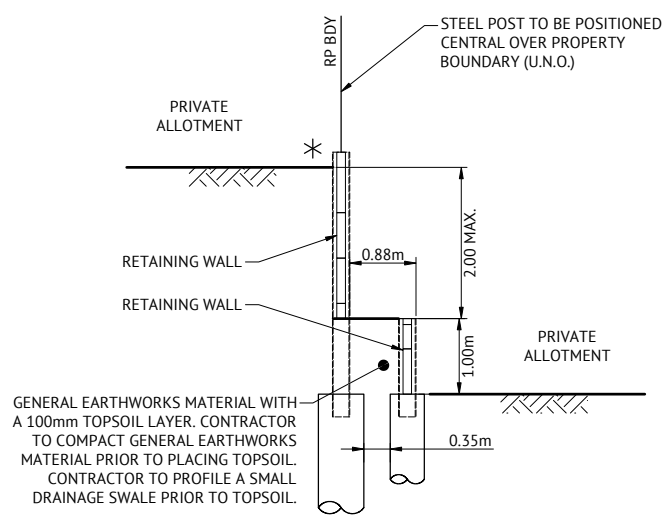
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OUTLET TO ROAD**
N.T.S.



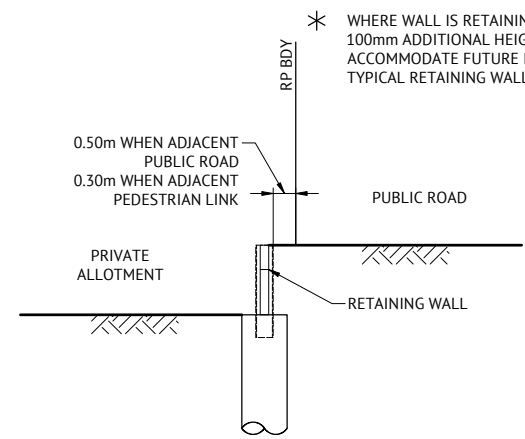
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N.T.S.



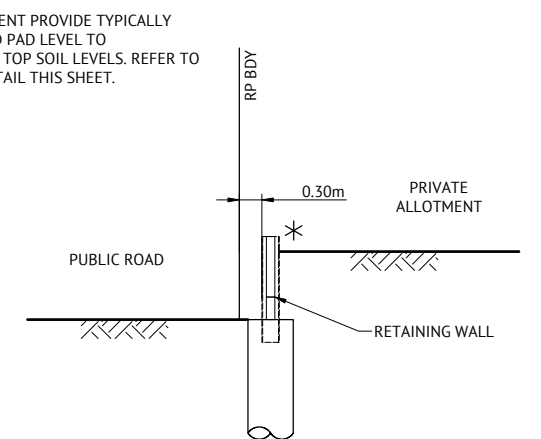
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0.4m-2m MAX HIGH
N.T.S.



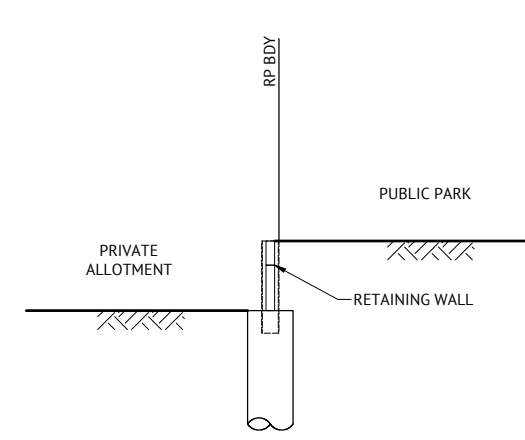
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2m-3m MAX HIGH
N.T.S.



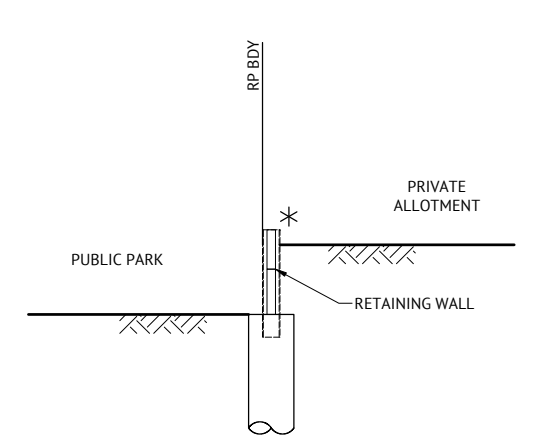
TYPICAL RETAINING WALL DETAIL
ROAD ADJACENT TO LOT WHERE ROAD LEVEL IS HIGHER
N.T.S.



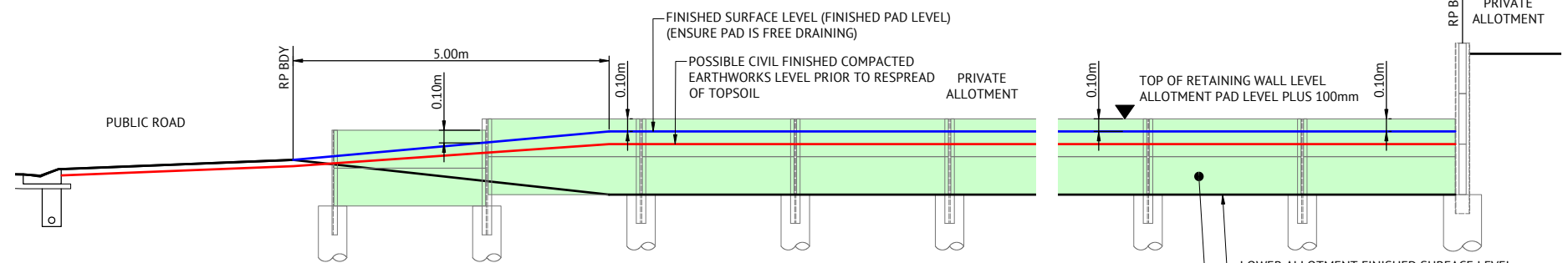
TYPICAL RETAINING WALL DETAIL
ROAD ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER
N.T.S.



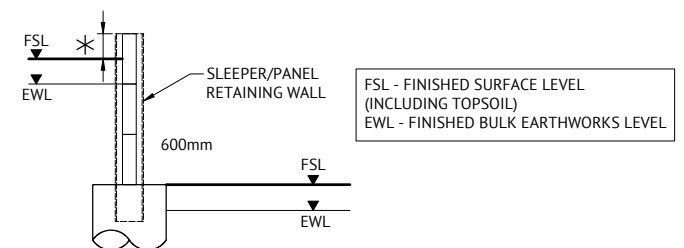
TYPICAL RETAINING WALL DETAIL
PARK ADJACENT TO LOT WHERE PARK LEVEL IS HIGHER
N.T.S.



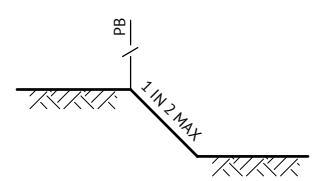
TYPICAL RETAINING WALL DETAIL
PARK ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER
N.T.S.



**TYPICAL INTER ALLOTMENT RETAINING WALL
TOP OF WALL SETOUT AND END DETAIL**
N.T.S.



**TYPICAL RETAINING WALL TOP AND BOTTOM
FINISHING LEVEL DETAIL**
N.T.S.



**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 REQUIREMENT 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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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 10.1 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
BULK EARTHWORKS NOTES AND DETAILS - SHEET 2

JOB CODE
MIR-1001

SHEET NUMBER
C211

REV
B




LEGEND - PROPOSED

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
EARTHWORKS SUBGRADE ROCK PREPARATION DETAILS

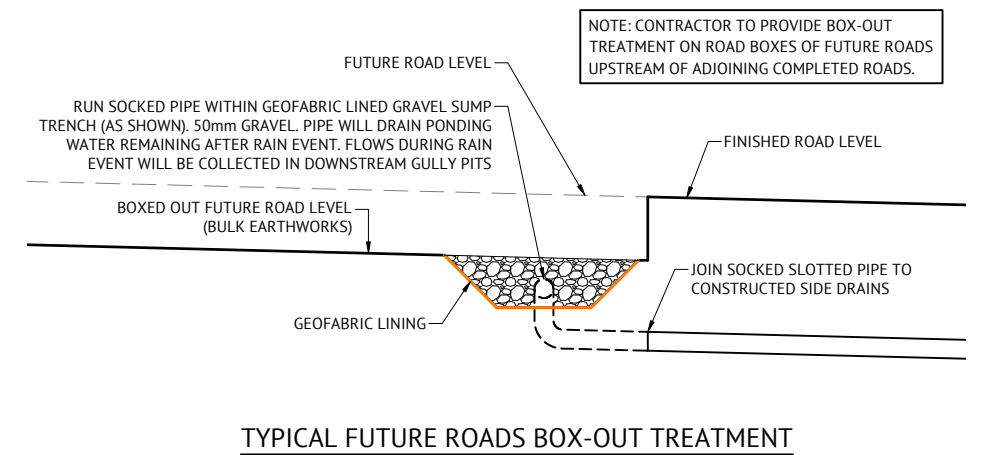
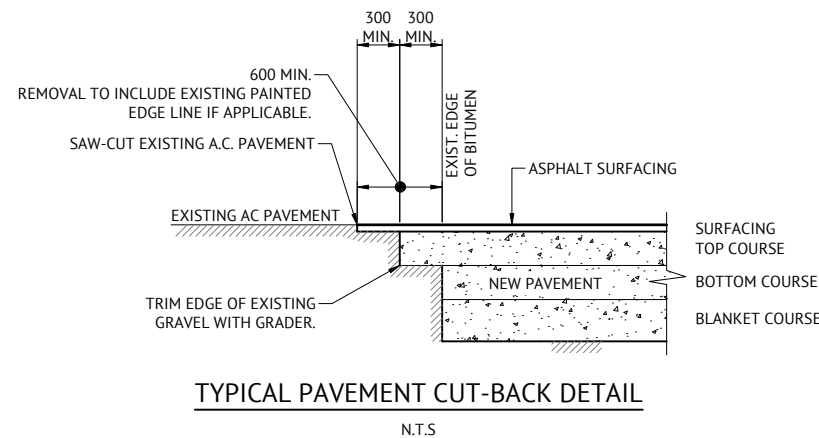
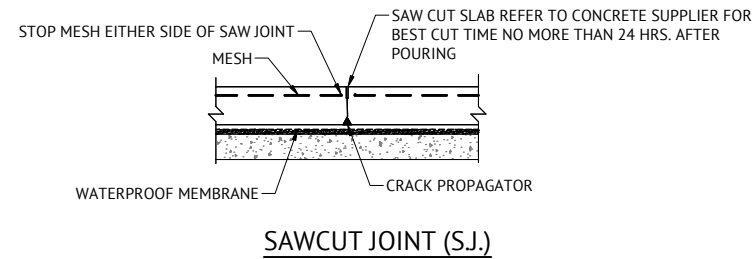
JOB CODE
MIR-1001
SHEET NUMBER
C220
REV
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NOTES

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 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.



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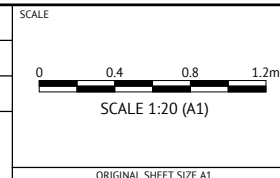
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 PROJECT DIRECTOR

PATRICK BRADY RPEQ 7112

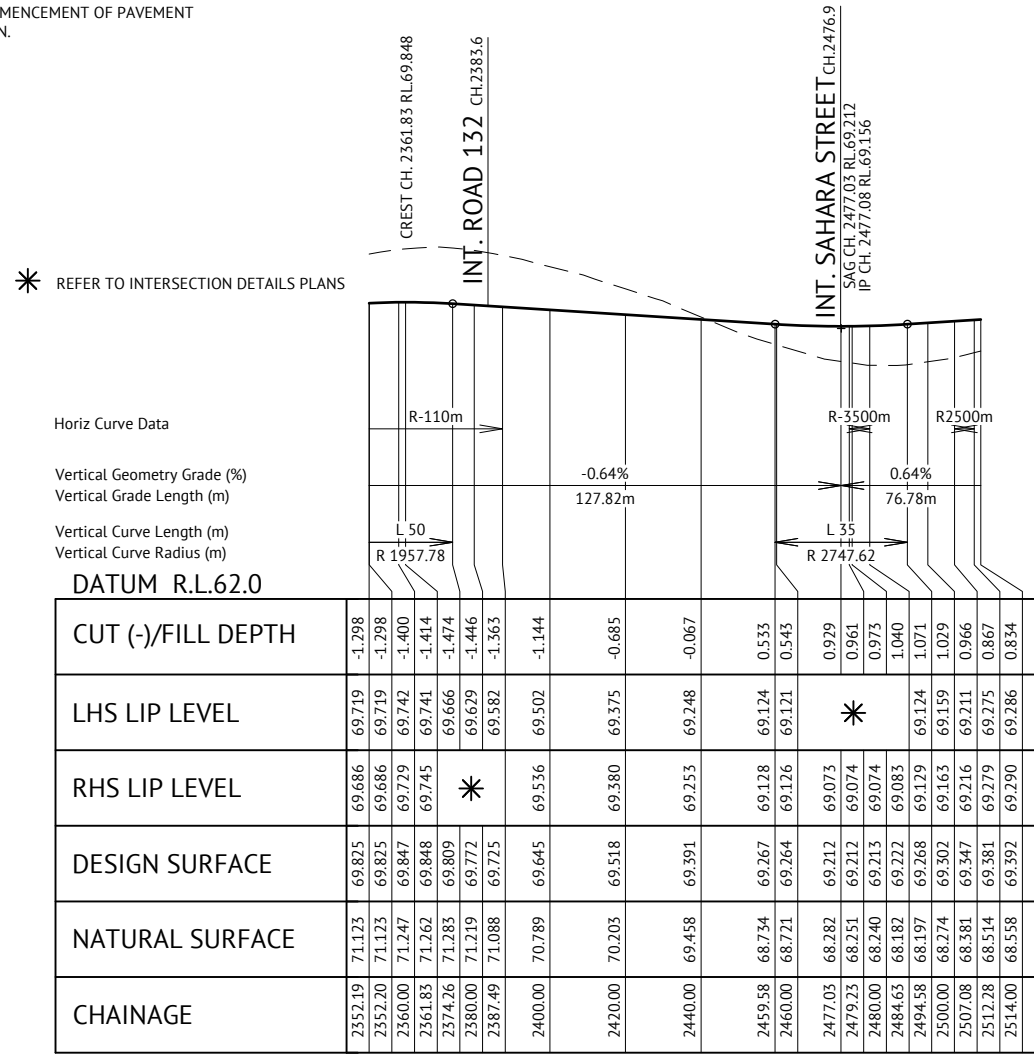


CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
ROADWORKS NOTES AND DETAILS

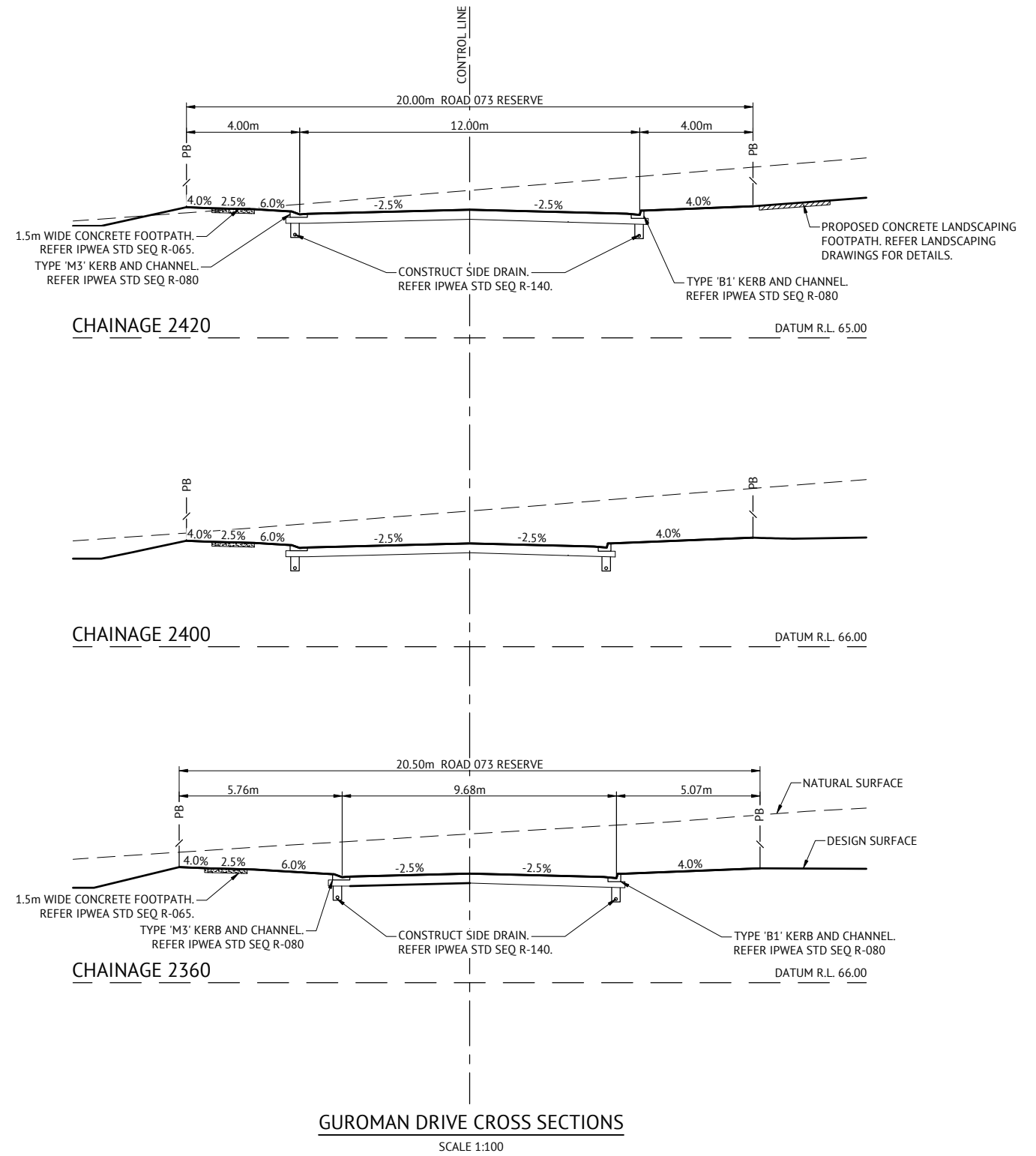
JOB CODE
MIR-1001
 SHEET NUMBER
C300
 REV
B

PAVEMENT DESIGN (PRELIMINARY)	
ROADS	- GUROMAN DRIVE (CH.2350.11-CH.2514.00)
CLASS	- NEIGHBOURHOOD CONNECTOR 2
ESA's	- 6.40 x 10 ⁶
SURFACE	- 50mm AC of 14mm MIX
PRIMER TYPE	- PRIMER SEAL
CBR 80	- 300mm
CBR 45	- 100mm
TOTAL BOX	- 450mm

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.



GUROMAN DRIVE LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)



GUROMAN DRIVE CROSS SECTIONS
SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

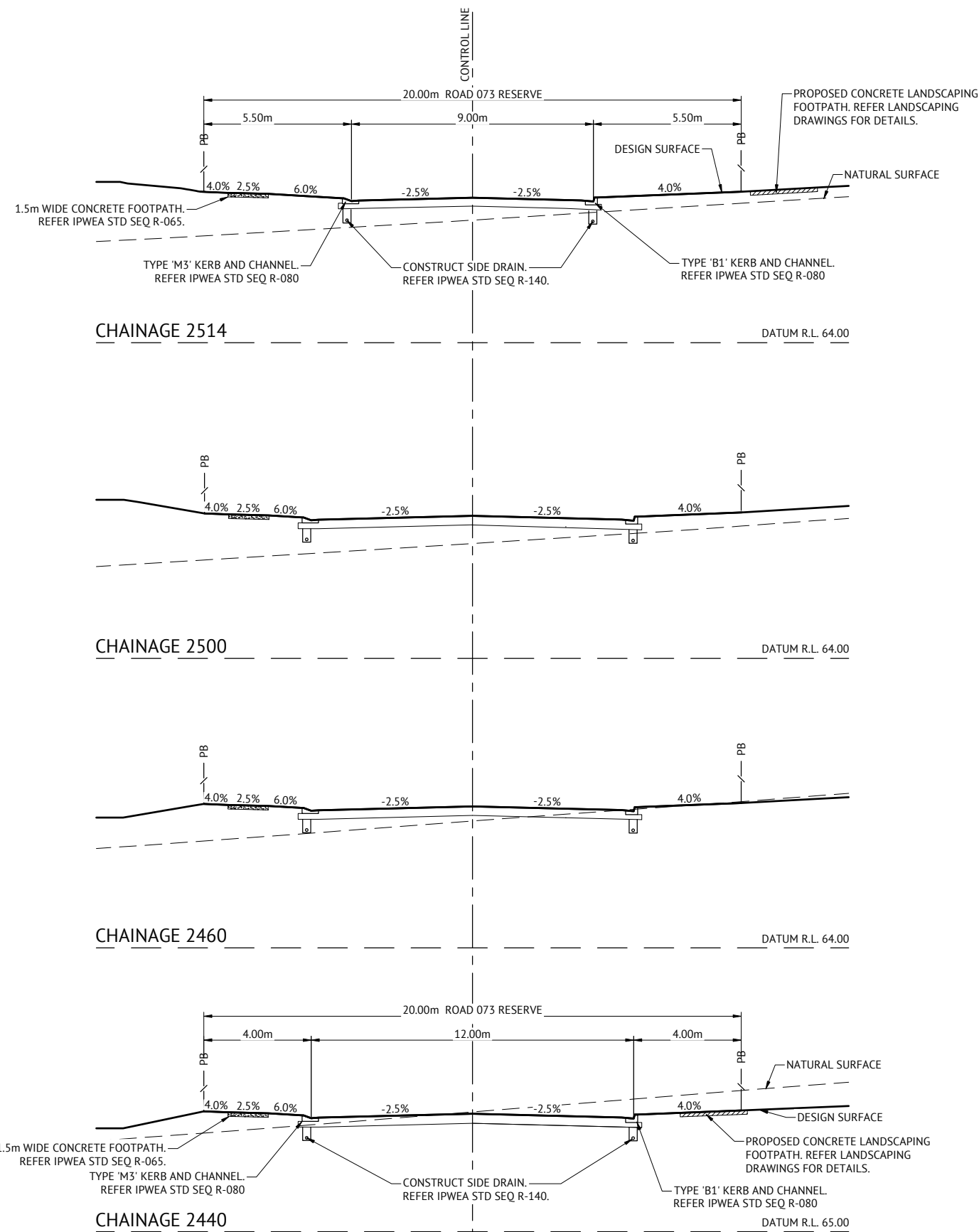
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

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

SCALE
HORIZONTAL 1:1000 (A1)
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
GUROMAN DRIVE LONG SECTION AND CROSS SECTIONS - SHEET 1

JOB CODE
MIR-1001
SHEET NUMBER
C310
REV
B



GUROMAN DRIVE CROSS SECTIONS

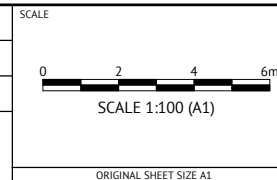
SCALE 1:100

FOR CONSTRUCTION



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

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



CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
GUROMAN DRIVE CROSS SECTIONS - SHEET 2

JOB CODE
MIR-1001
 SHEET NUMBER
C311
 REV
B

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

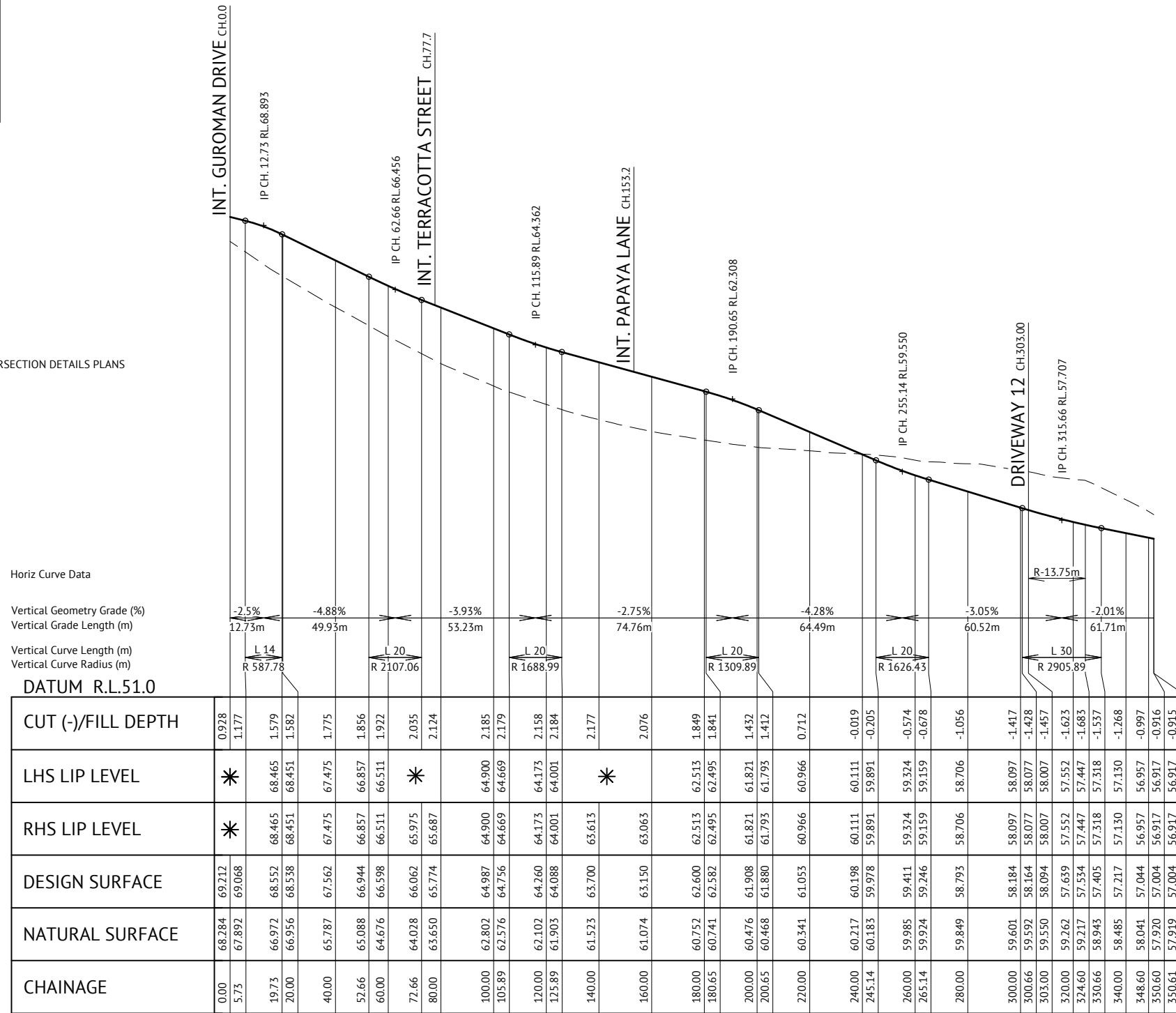
PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	SAHARA STREET (CH.0.00-CH.5.73)
CLASS	-	NEIGHBOURHOOD CONNECTOR 2
ESA's	-	6.40 x 10 ⁶
SURFACE	-	50mm AC of 14mm MIX
PRIMER TYPE	-	PRIMER SEAL
CBR 80	-	300mm
CBR 45	-	100mm
TOTAL BOX	-	450mm

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.

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	SAHARA STREET (CH.5.73-CH.350.60)
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



SAHARA STREET LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

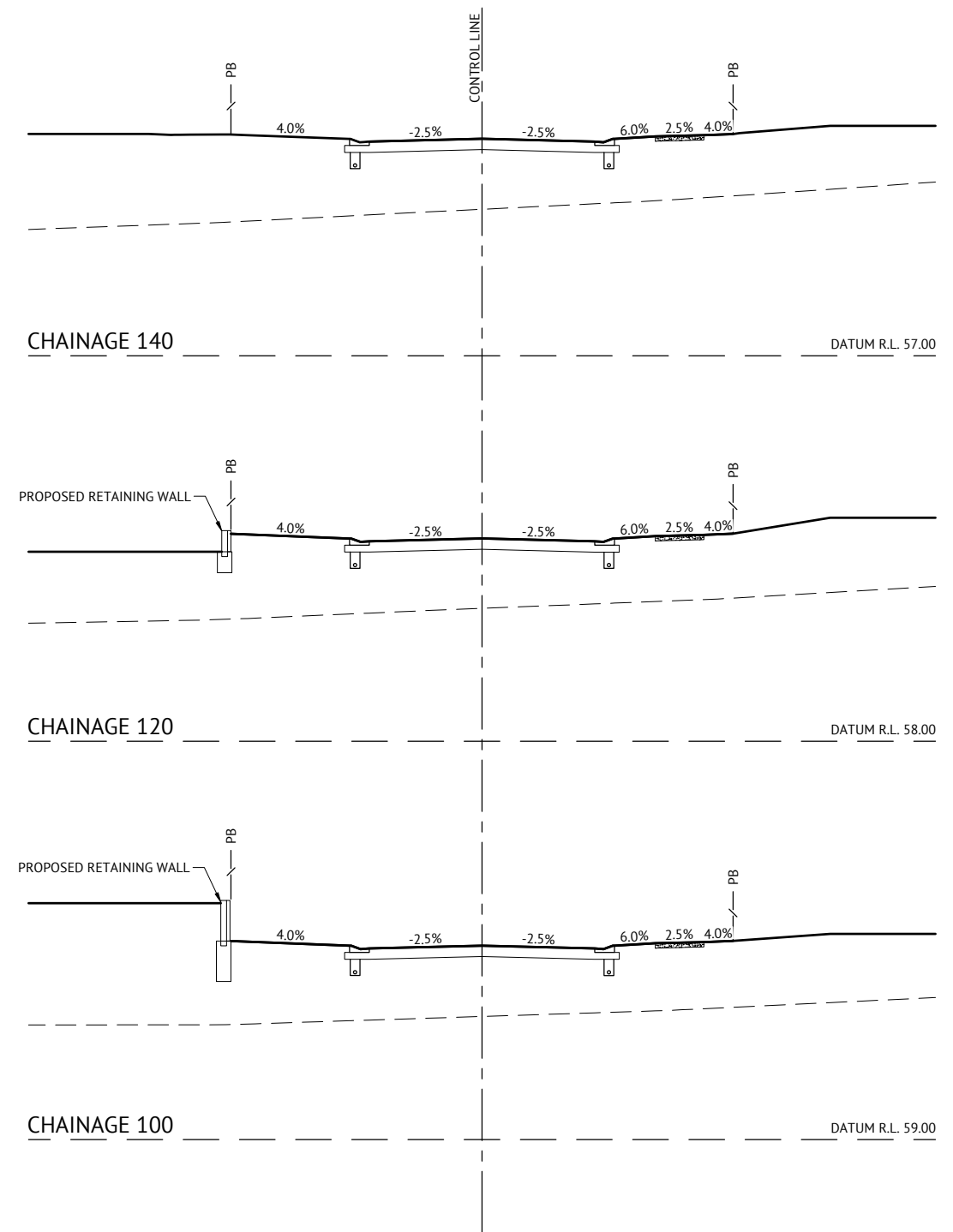
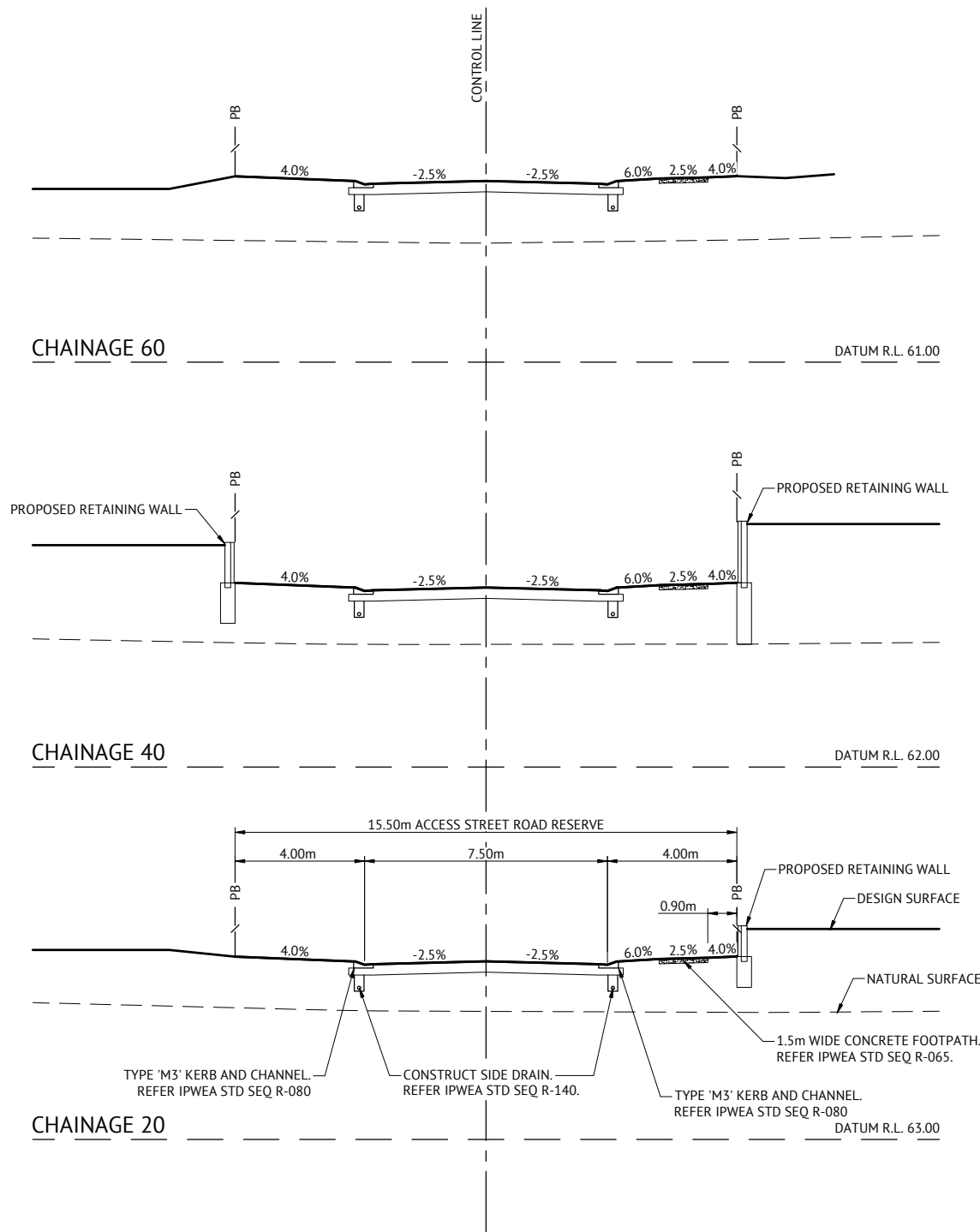
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

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

SCALE
HORIZONTAL 1:1000 (A1)
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SAHARA STREET LONG SECTION

JOB CODE
MIR-1001
SHEET NUMBER
C312
REV
B



SAHARA STREET CROSS SECTIONS
SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

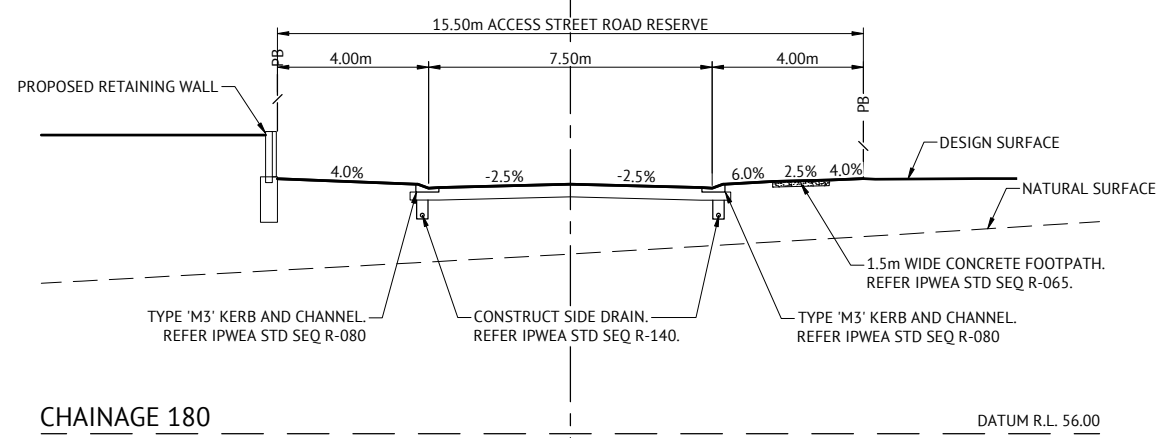
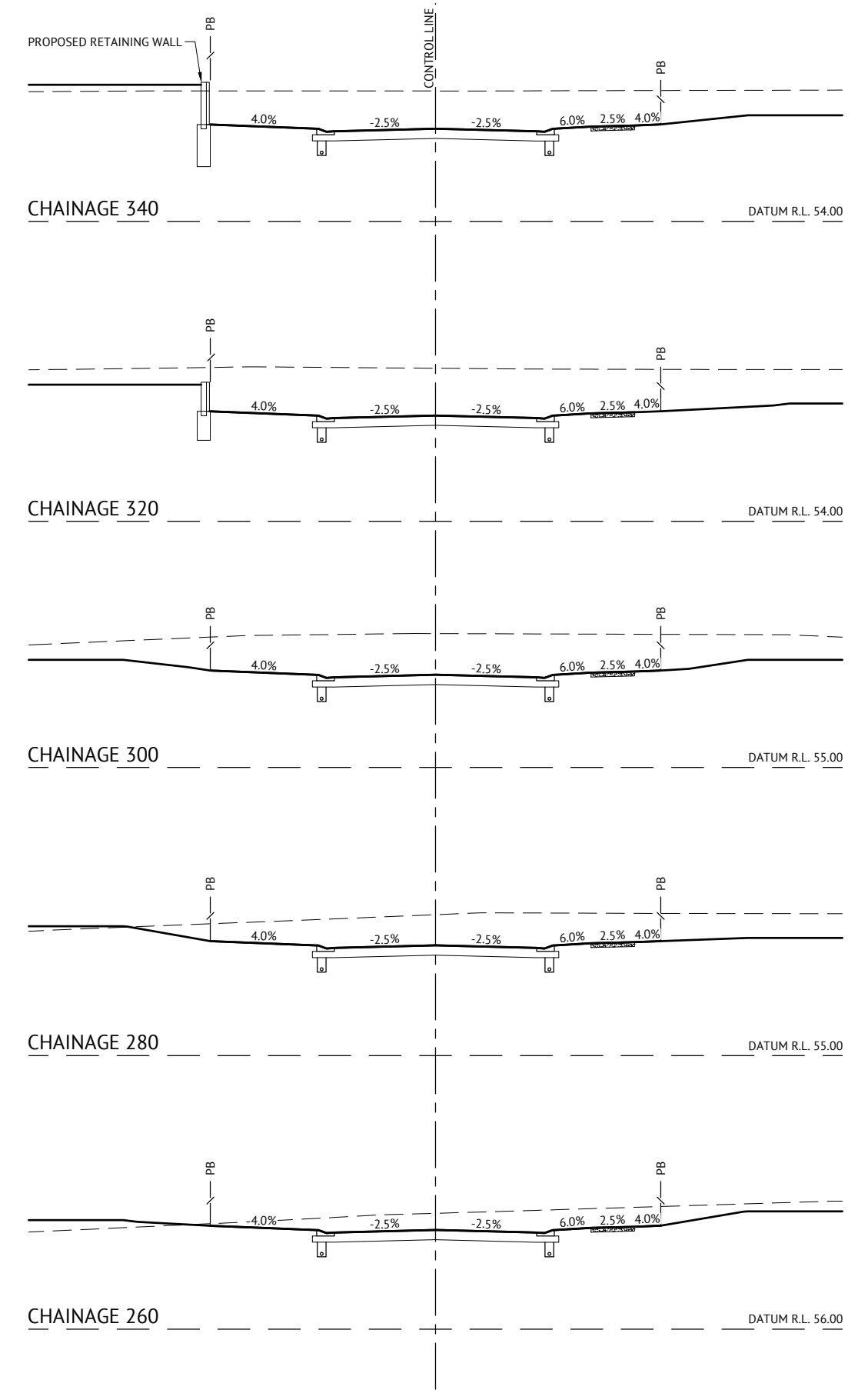
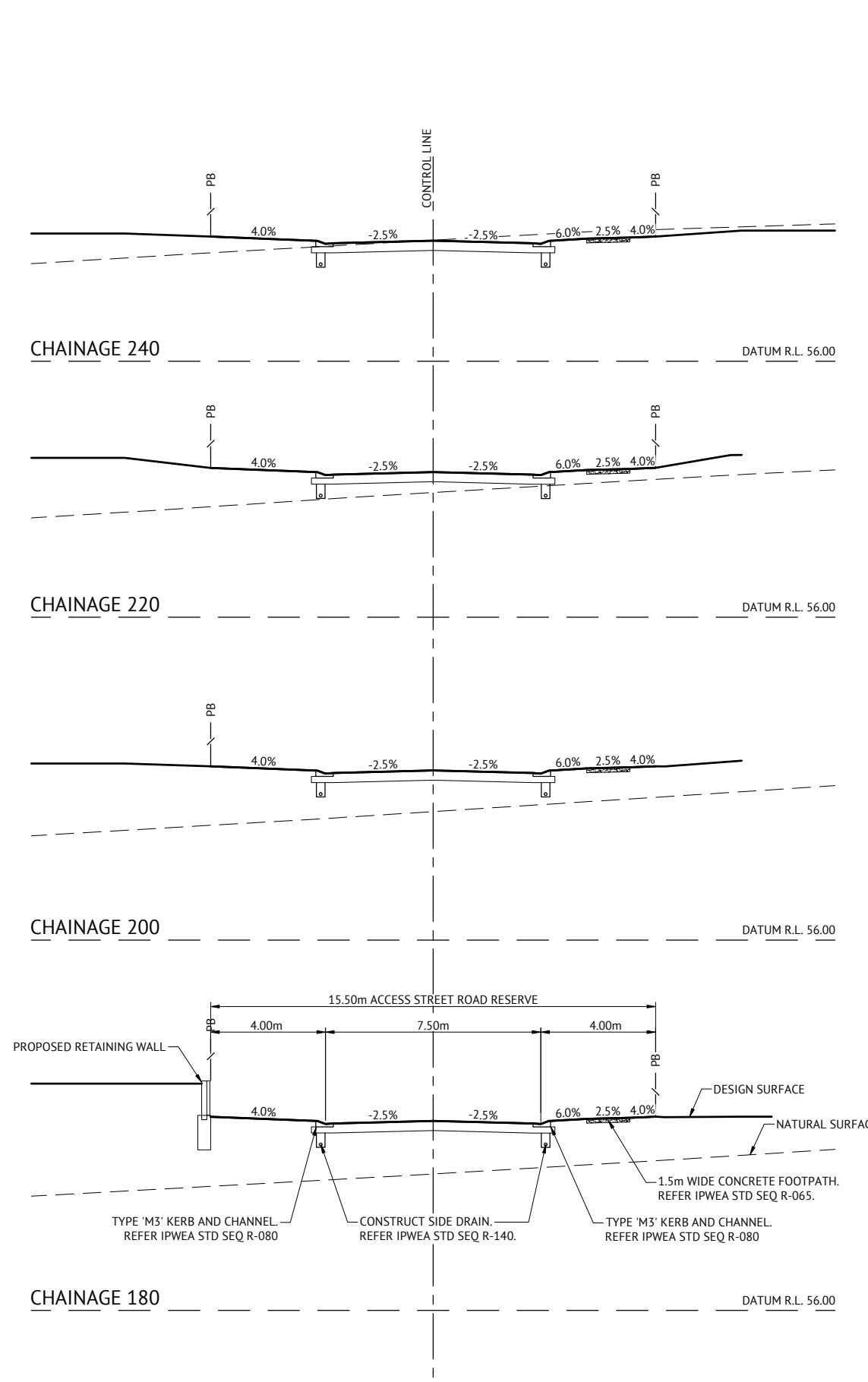
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
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DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

SCALE
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SAHARA STREET CROSS SECTIONS - SHEET 1

JOB CODE
MIR-1001
SHEET NUMBER
C313
REV
B



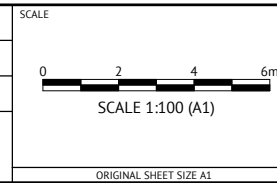
SAHARA STREET CROSS SECTIONS
SCALE 1:100

FOR CONSTRUCTION



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

DESIGNED
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NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SAHARA STREET CROSS SECTIONS - SHEET 2

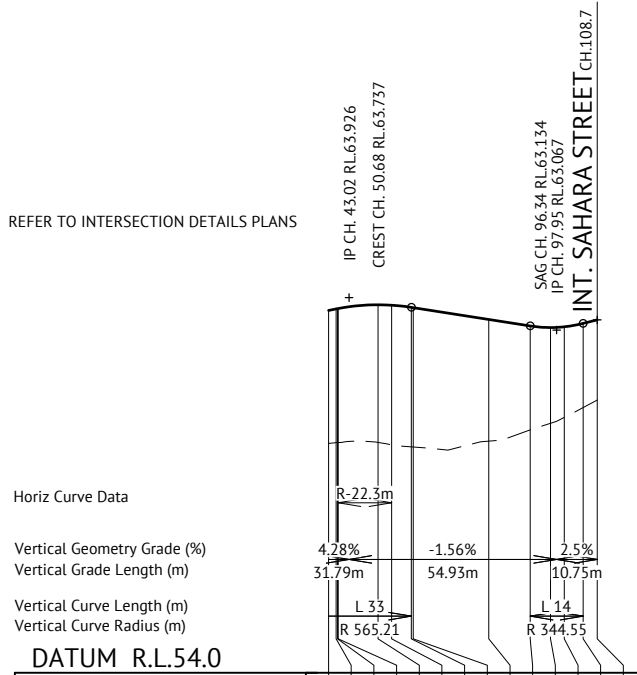
JOB CODE
MIR-1001
SHEET NUMBER
C314
REV
B

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	PAPAYA LANE (CH.37.61-CH.108.70)
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90 x 10 ³
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

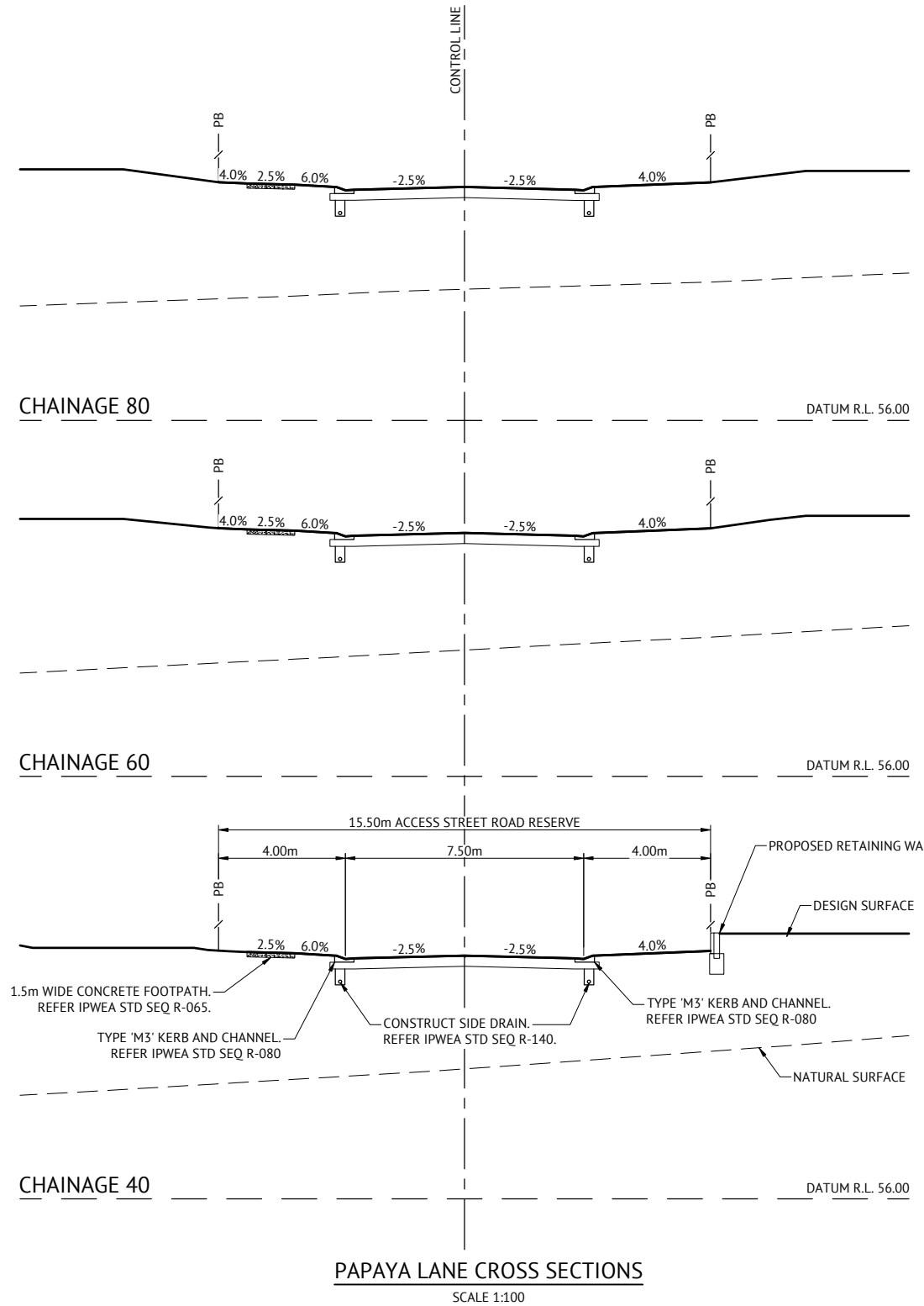
CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.

* REFER TO INTERSECTION DETAILS PLANS



DATUM R.L.54.0	
CUT (-)/FILL DEPTH	3.518, 3.541, 3.546, 3.640, 3.696, 3.686, 3.220, 2.751, 2.533, 2.396, 2.227, 2.119
LHS LIP LEVEL	63.517, 63.562, 63.570, 63.573, 63.666, 63.649, 63.581, 63.573, 63.261, 63.089, *
RHS LIP LEVEL	63.517, 63.562, 63.570, 63.573, 63.666, 63.649, 63.581, 63.573, 63.261, 63.089, *
DESIGN SURFACE	63.585, 63.628, 63.636, 63.638, 63.737, 63.725, 63.668, 63.660, 63.348, 63.176, 63.134, 63.154, 63.242, 63.336
NATURAL SURFACE	60.068, 60.087, 60.091, 60.092, 60.096, 60.099, 59.974, 59.977, 60.128, 60.476, 60.601, 60.758, 61.015, 61.217
CHAINAGE	37.61, 39.61, 40.00, 40.14, 50.68, 54.32, 60.00, 80.00, 90.95, 96.34, 100.00, 104.95, 108.70

PAPAYA LANE LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)



FOR CONSTRUCTION



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)
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
PAPAYA LANE LONG SECTION AND CROSS SECTIONS

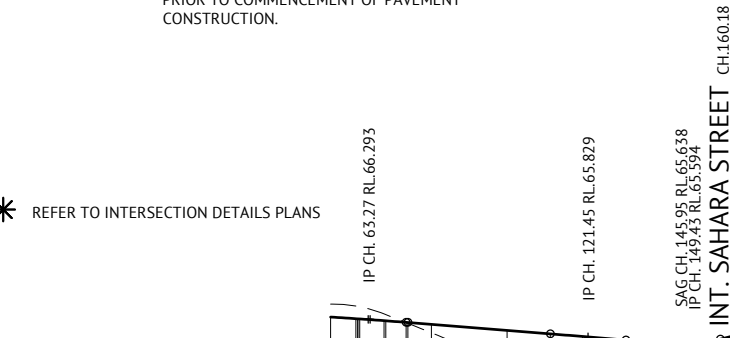
JOB CODE
MIR-1001
SHEET NUMBER
C315
REV
B

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	TERRACOTTA STREET (CH.53.30-CH.160.18)
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90 x 10 ²
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



Horiz Curve Data

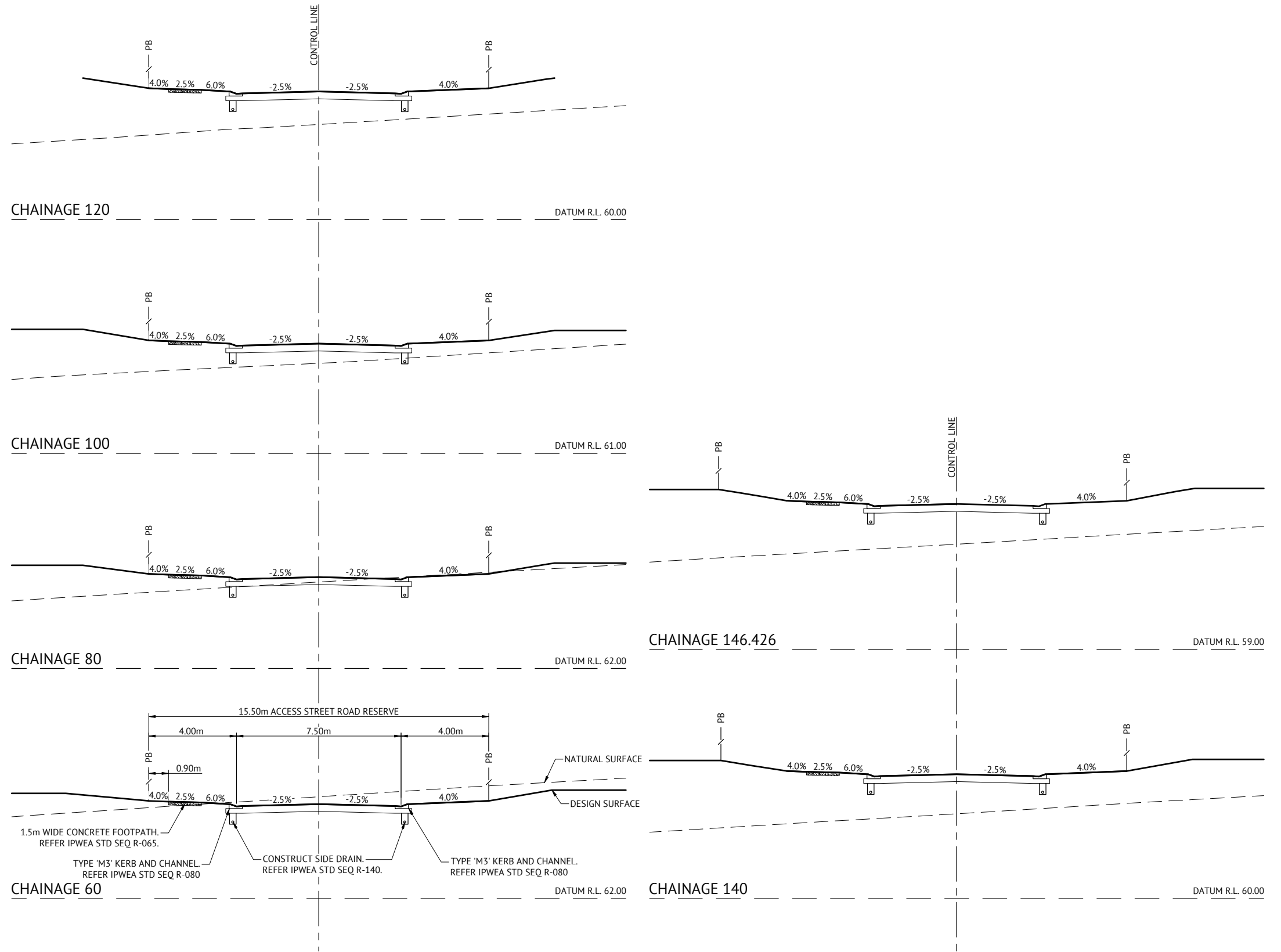
Vertical Geometry Grade (%)	-0.61%	-0.8%	-0.84%	2.5%
Vertical Grade Length (m)	52.04m	58.17m	27.98m	10.75m
Vertical Curve Length (m)	L 20	L 20	L 14	
Vertical Curve Radius (m)	R 10460.8	R 44276.95	R 418.9	

DATUM R.L.58.0

CUT (-)/FILL DEPTH	-0.344	-0.336	-0.350	0.004	0.222	0.896	1.250	1.502	1.726	1.804	1.811	1.828	1.987	2.095	2.096
LHS LIP LEVEL	66.266	66.223	66.220	66.171	66.126	65.913	65.822	65.753	65.658	65.586	65.566	65.551	65.551	65.551	65.551
RHS LIP LEVEL	66.266	66.223	66.220	66.171	66.126	65.913	65.822	65.753	65.658	65.586	65.566	65.551	65.551	65.551	65.551
DESIGN SURFACE	66.353	66.310	66.307	66.258	66.213	66.000	65.909	65.840	65.745	65.673	65.653	65.638	65.769	65.858	65.862
NATURAL SURFACE	66.698	66.646	66.637	66.437	66.209	65.104	64.659	64.338	64.019	63.869	63.842	63.810	63.782	63.763	63.766
CHAINAGE	53.30	60.00	60.52	67.45	73.27	80.00	100.00	111.45	120.00	131.45	140.00	142.43	145.95	156.43	160.00

TERRACOTTA STREET LONGITUDINAL SECTION

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



TERRACOTTA STREET CROSS SECTIONS

SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB



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)
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT	MIRVAC QLD PTY LTD	JOB CODE	MIR-1001
PROJECT	EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT	SHEET NUMBER	C316
LOCATION	TEVIOT ROAD, GREENBANK	REV	B
SHEET TITLE	TERRACOTTA STREET LONG SECTION AND CROSS SECTIONS		

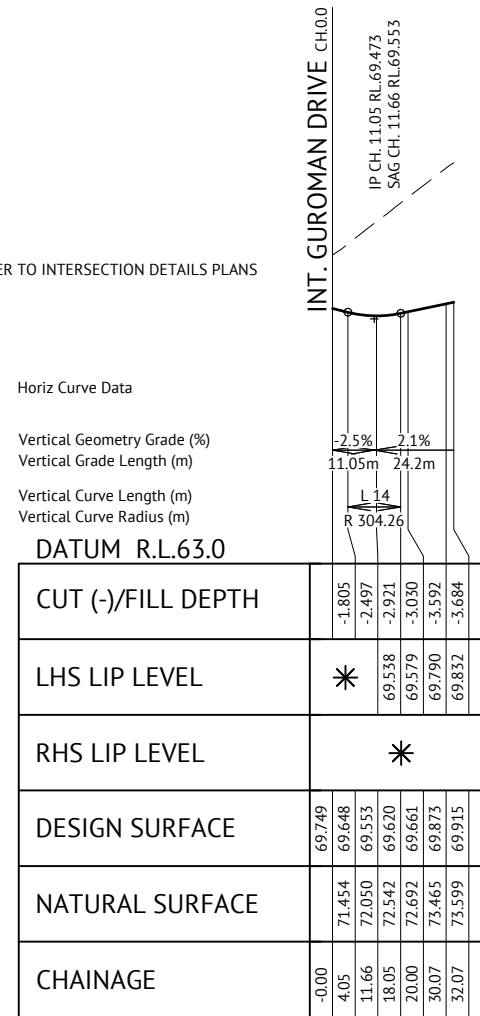
PAVEMENT DESIGN (PRELIMINARY)	
ROADS	ROAD 132 (CH.00-CH.4.05)
CLASS	NEIGHBOURHOOD CONNECTOR 2
ESA's	6.40 x 10 ⁶
SURFACE	50mm AC of 14mm MIX
PRIMER TYPE	PRIMER SEAL
CBR 80	300mm
CBR 45	100mm
TOTAL BOX	450mm

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.

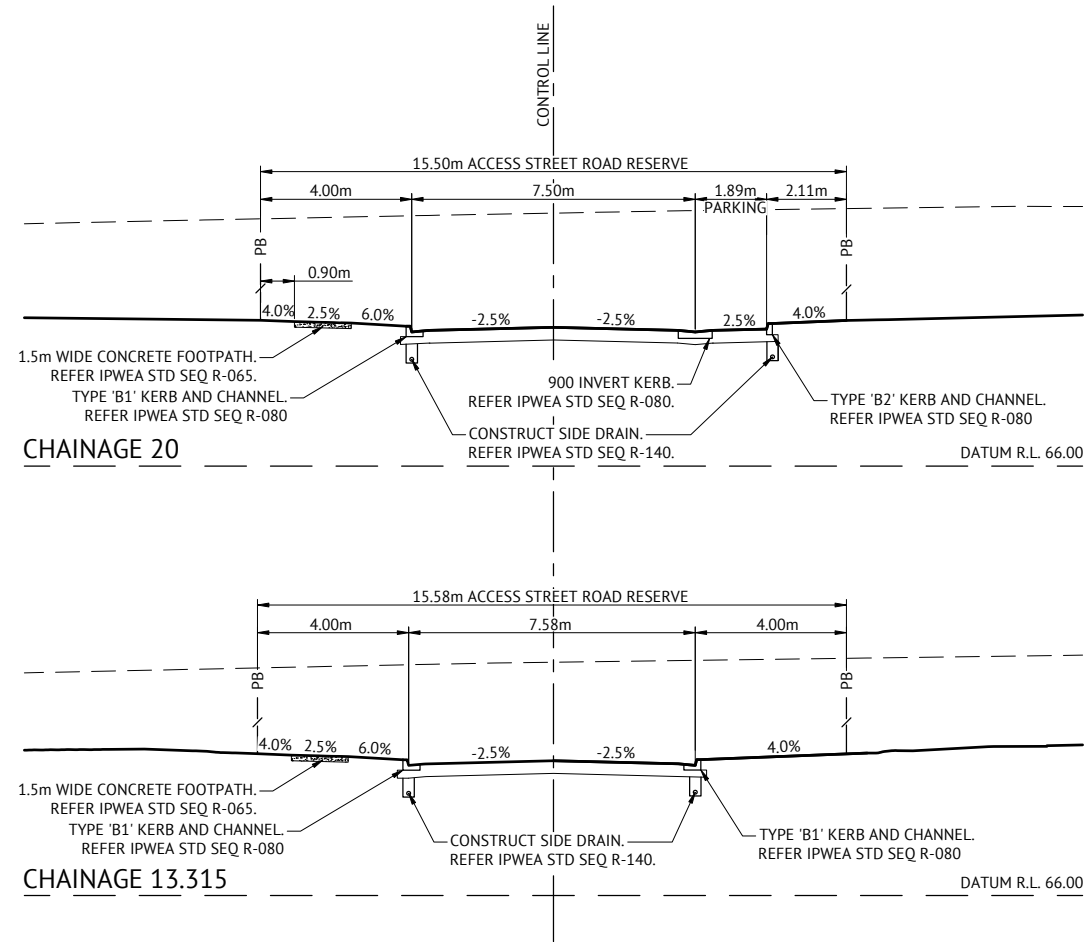
PAVEMENT DESIGN (PRELIMINARY)	
ROADS	ROAD 132 (CH.4.05-CH.32.07)
CLASS	ACCESS STREET (TYPICAL)
ESA's	5.90 x 10 ⁵
SURFACE	35mm AC of 10mm MIX
PRIMER TYPE	PRIME
CBR 80	150mm
CBR 45	150mm
TOTAL BOX	335mm

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



ROAD 132 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)



ROAD 132 CROSS SECTIONS
SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB



BRISBANE OFFICE
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CHECKED
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PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

SCALE
HORIZONTAL 1:1000 (A1)
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

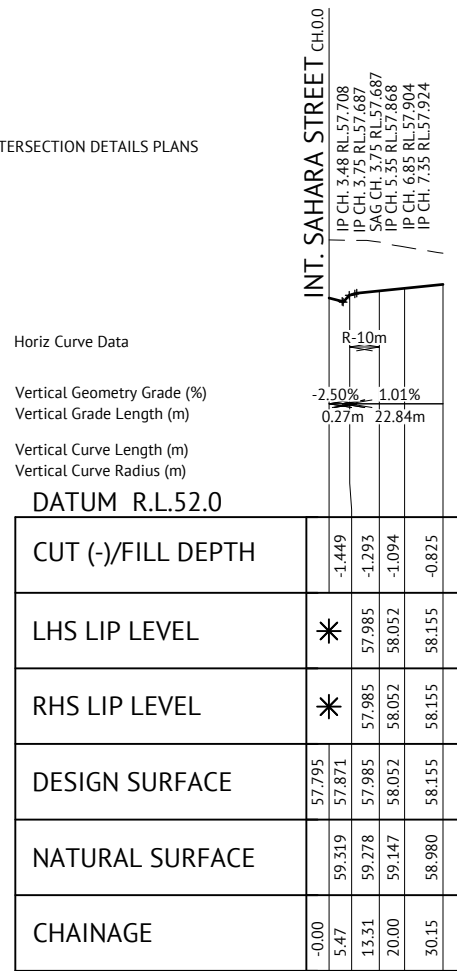
CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 132 LONG SECTION AND CROSS SECTIONS

JOB CODE
MIR-1001
SHEET NUMBER
C317
REV
B

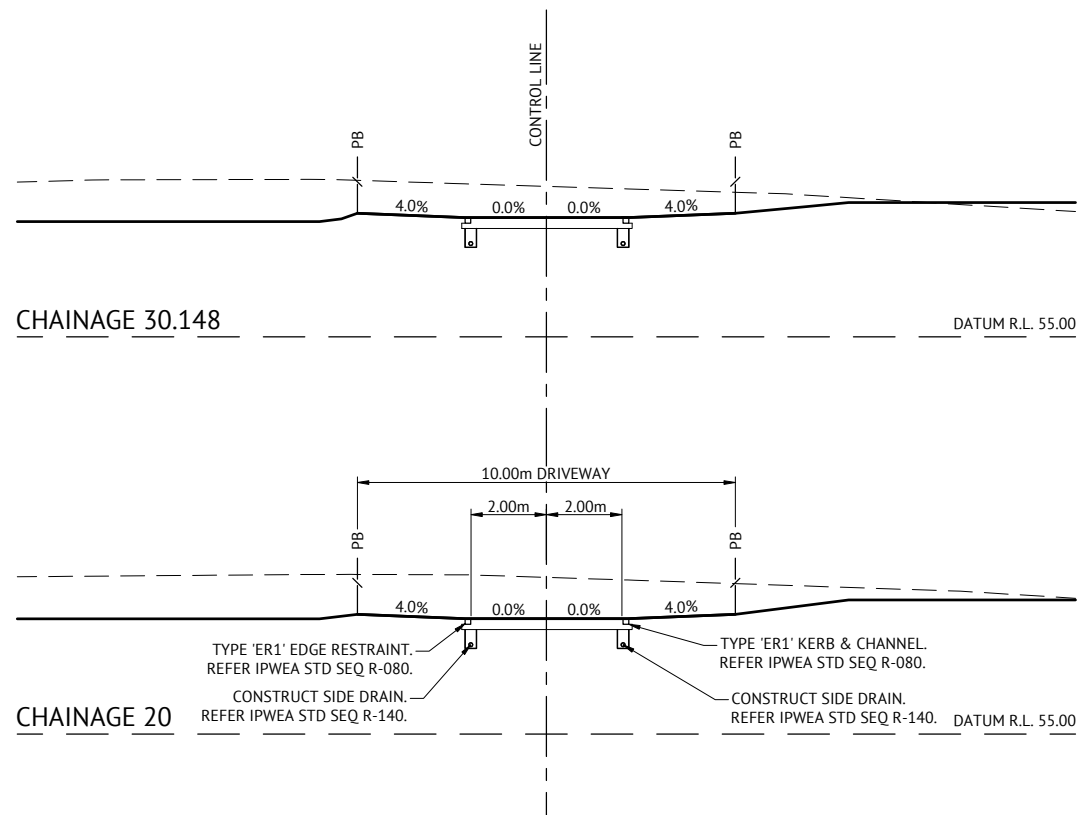
PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	DRIVEWAY 12
CLASS	-	REAR ACCESS DRIVEWAY
ESA's	-	1.1 x 10 ⁵
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	100mm
TOTAL BOX	-	285mm

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.

* REFER TO INTERSECTION DETAILS PLANS



DRIVEWAY 12 LONGITUDINAL SECTION
 SCALE 1:1000(H) 1:100(V)



DRIVEWAY 12 CROSS SECTIONS
 SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

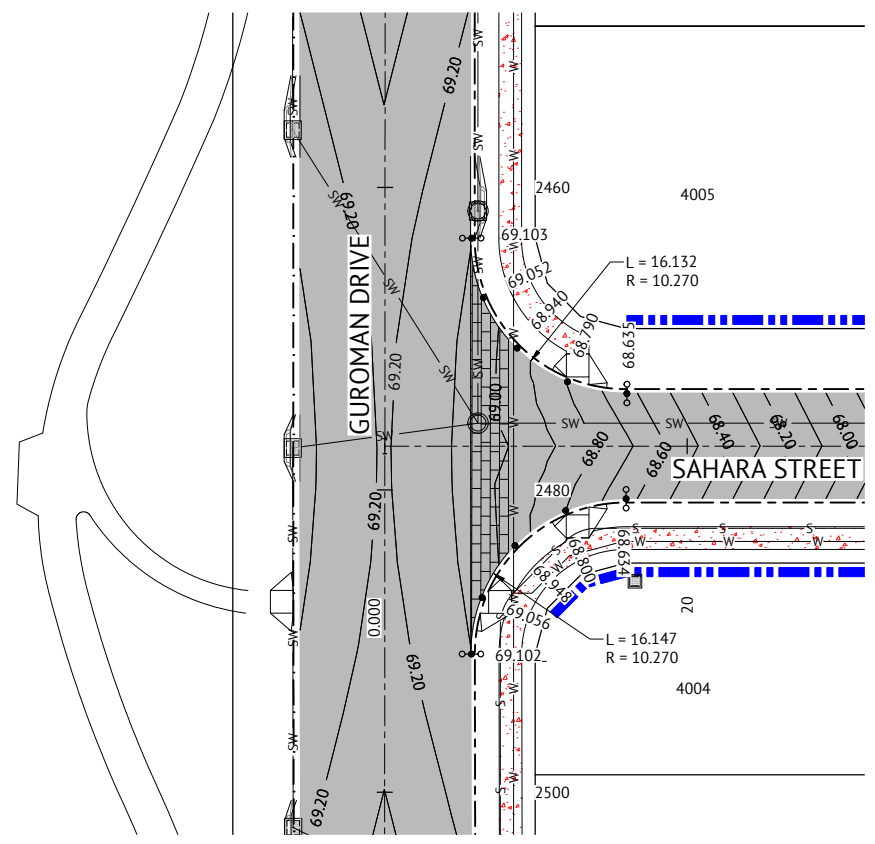
Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

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

SCALE
 HORIZONTAL 1:1000 (A1)
 VERTICAL 1:100 (A1)
 ORIGINAL SHEET SIZE A1

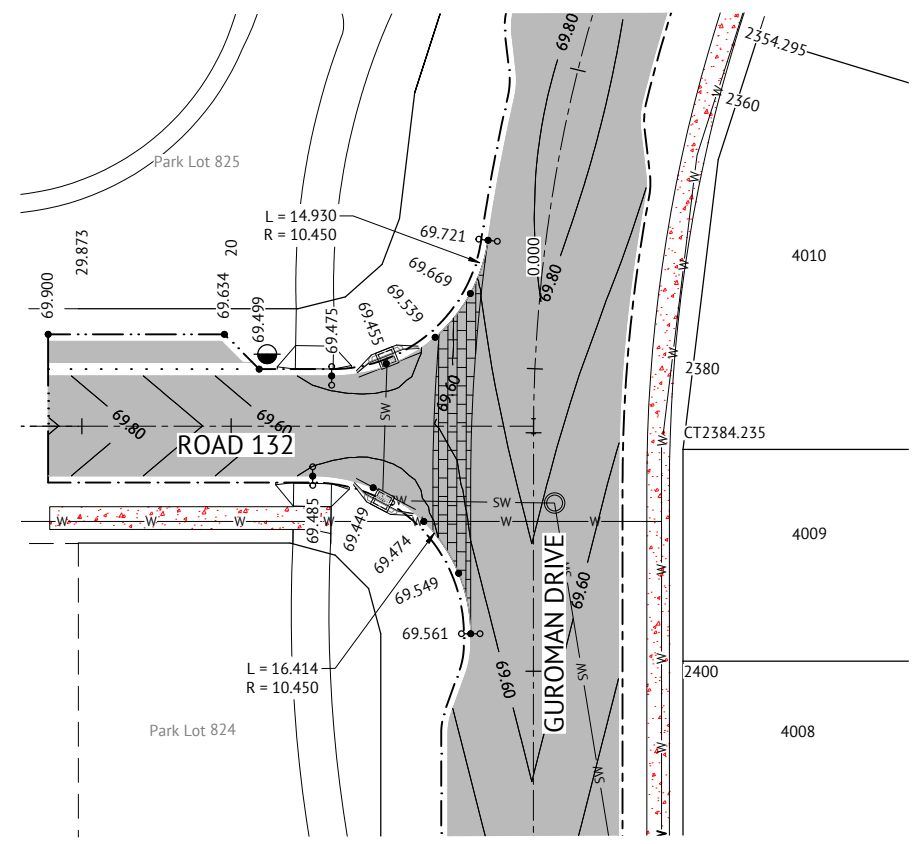
CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
DRIVEWAY 12 LONG SECTION AND CROSS SECTIONS

JOB CODE
MIR-1001
 SHEET NUMBER
C318
 REV
B



INTERSECTION GUROMAN DRIVE AND SAHARA STREET

SCALE 1:250



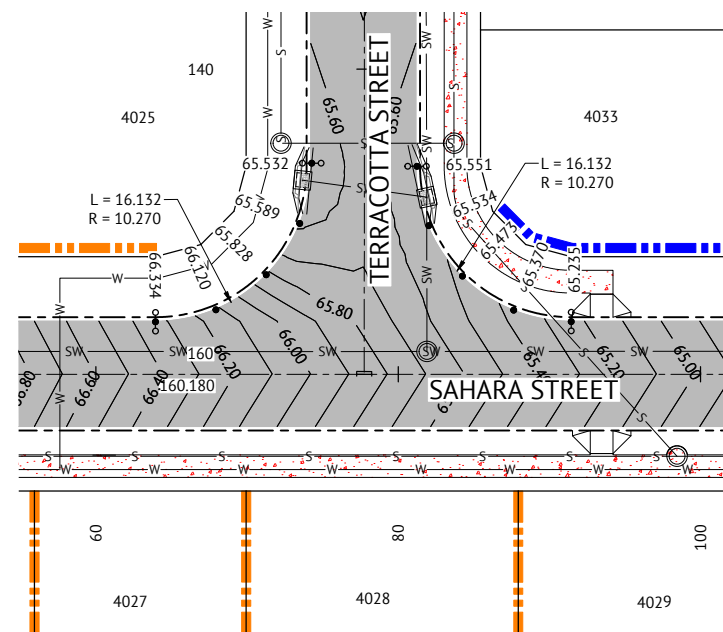
INTERSECTION GUROMAN DRIVE AND ROAD 132

SCALE 1:250

- ### LEGEND - PROPOSED
- PAVEMENT
 - 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.
 - PROPOSED IPWEA TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
 - PROPOSED IPWEA TYPE 'M3' 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 CHANNEL 900 WIDE. REFER IPWEA STD DWG RS-080.
 - LIP OF KERB LEVEL
 - TRANSITION IN KERB AND CHANNEL TYPE
 - PROPOSED STORMWATER
 - PROPOSED SEWER
 - PROPOSED WATER
 - PROPOSED CONCRETE SLEEPER RETAINING WALL
 - PROPOSED CONCRETE PANEL RETAINING WALL
 - DURATHEM THRESHOLD TREATMENT. REFER TO URBIS EVERLEIGH LANDSCAPE MASTERPLAN - PART B (PAGE 20) FOR COLOUR AND PATTERN.

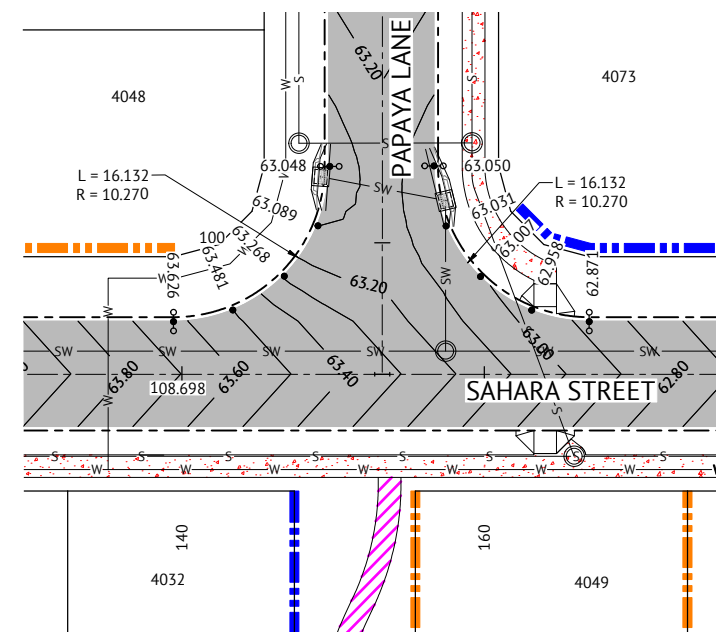
LEGEND - CONSTRUCTED

- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING WATER
- EXISTING ELECTRICAL
- EXISTING TELSTRA
- EXISTING GAS



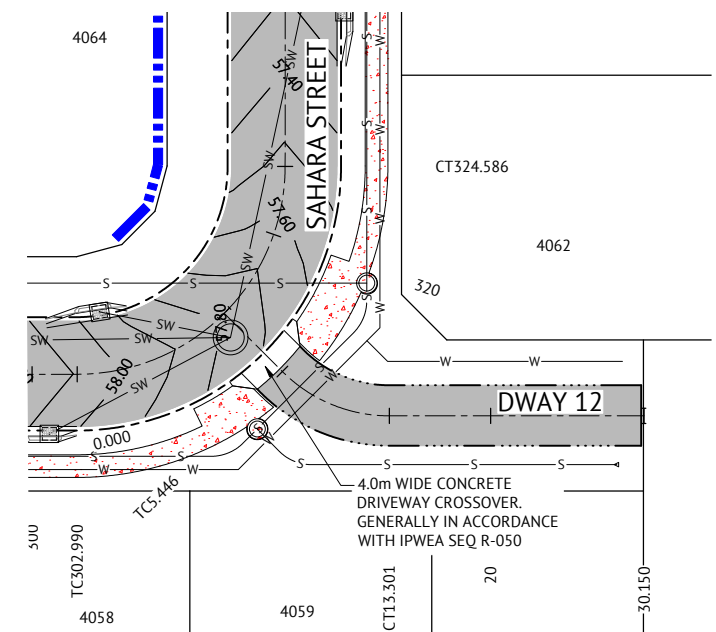
INTERSECTION SAHARA STREET AND TERRACOTTA STREET

SCALE 1:250



INTERSECTION SAHARA STREET AND PAPAYA LANE

SCALE 1:250



INTERSECTION SAHARA STREET AND DWAY 12

SCALE 1:250

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REV	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
INTERSECTION DETAILS LAYOUT

JOB CODE
MIR-1001
SHEET NUMBER
C320
REV
B

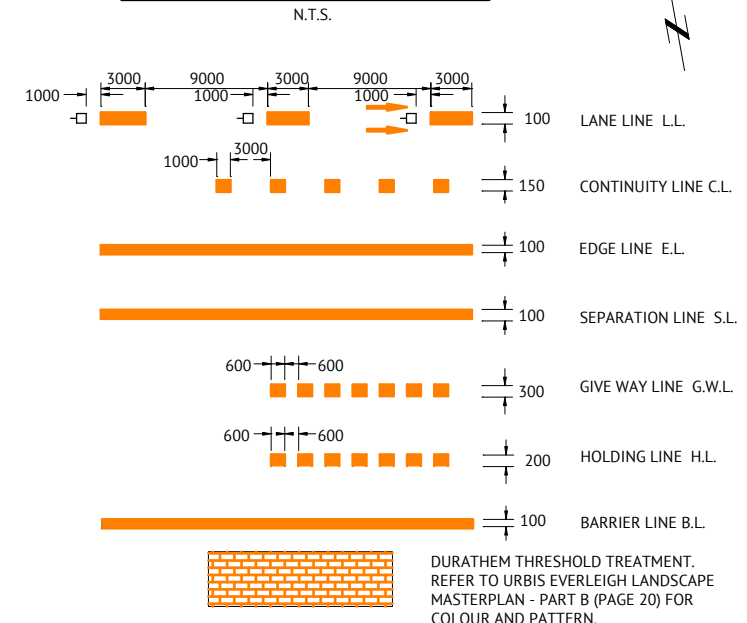


REQUIRED SIGNS



R1-2A

TYPICAL LINEMARKING LEGEND



LINEMARKING NOTES

- 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 BSD-3163.
- ALL INTERNAL LINE MARKING TO CONSIST OF LINES 100mm WIDE WITH 2 COATS OF PAINT TO MANUFACTURERS SPECIFICATIONS.
- EXTENT OF LINEMARKING SHALL BE VERIFIED ON SITE PRIOR TO INSTALLATION.
- ALL PAINTED MARKINGS SHALL BE APPROVED REFLECTORISED U.N.O.
- ANY EXISTING LINE MARKINGS DAMAGED BY THE PROPOSED WORKS ARE TO BE REINSTATED.
- EXISTING CONFLICTING LINE MARKINGS ARE TO BE GROUND OFF BY METHODS APPROVED BY THE DISTRICT ENGINEER.
- 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. GENERALLY THE NORMAL SPACING BETWEEN RRPM'S IS TO BE 12.0m U.N.O.
- ANY EXISTING LINEMARKING NOT SHOWN ON THIS PLAN WHICH CONFLICTS OR IS INCOMPATIBLE WITH THE PROPOSED LINEMARKING SHALL BE REMOVED BY THE CONTRACTOR.
- NOSE OF ISLANDS TO BE PAINTED WHITE WITH GLASS BEADS.
- ALL STREET LIGHTING IN ACCORDANCE WITH AS1158.

SIGNAGE NOTES

- 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.
- SIGNS SHOULD BE ORIENTATED AT APPROXIMATELY RIGHT ANGLES TO, AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE.
- SIGNAGE SHALL BE IN ACCORDANCE WITH:
 - AS1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
 - AS1743 ROAD SIGNS SPECIFICATION
 - AS4049.1 PAVEMENT MARKING MATERIALS
- STREET NAME SIGNS ARE TO BE INSTALLED WITH THE RELEVANT HOUSE NUMBERS IN ACCORDANCE WITH THE RELEVANT LOCAL COUNCIL STANDARD DRAWINGS.

PAVEMENT MARKINGS AND SIGNAGE LAYOUT
SCALE 1:500

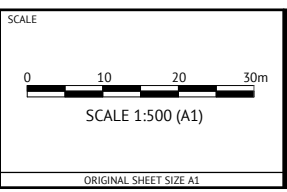
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS	KK	PB
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NICK SOMERVILLE
PROJECT DIRECTOR
PKB
PATRICK BRADY RPEQ 7112

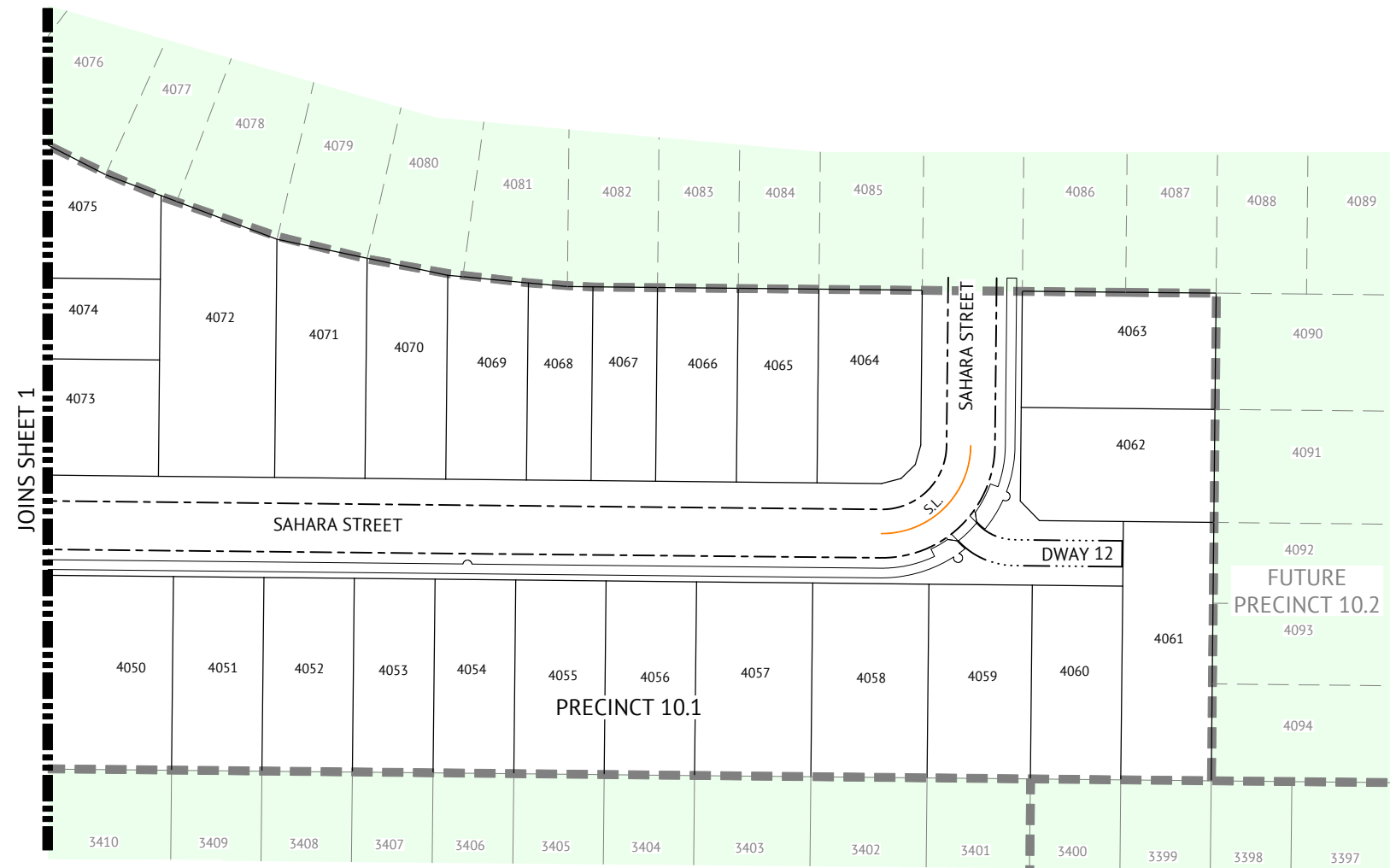
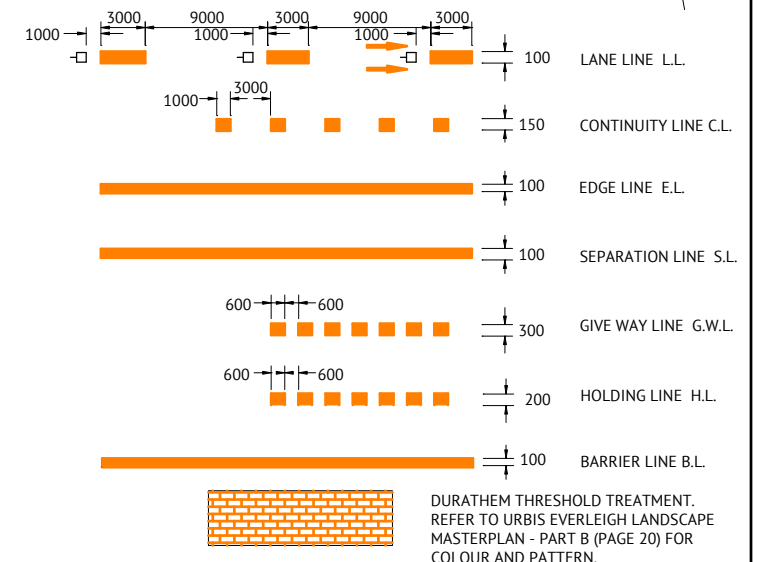


CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
PAVEMENT MARKINGS AND SIGNAGE LAYOUT PLAN - SHEET 1

JOB CODE MIR-1001	
SHEET NUMBER C330	REV B

TYPICAL LINEMARKING LEGEND

N.T.S.



PAVEMENT MARKINGS AND SIGNAGE LAYOUT

SCALE 1:500

LINEMARKING NOTES

- 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.
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- ALL STREET LIGHTING IN ACCORDANCE WITH AS1158.

SIGNAGE NOTES

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- SIGNS SHOULD BE ORIENTATED AT APPROXIMATELY RIGHT ANGLES TO, AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE.
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 - AS1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
 - AS1743 ROAD SIGNS SPECIFICATION
 - AS4049.1 PAVEMENT MARKING MATERIALS
- STREET NAME SIGNS ARE TO BE INSTALLED WITH THE RELEVANT HOUSE NUMBERS IN ACCORDANCE WITH THE RELEVANT LOCAL COUNCIL STANDARD DRAWINGS.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
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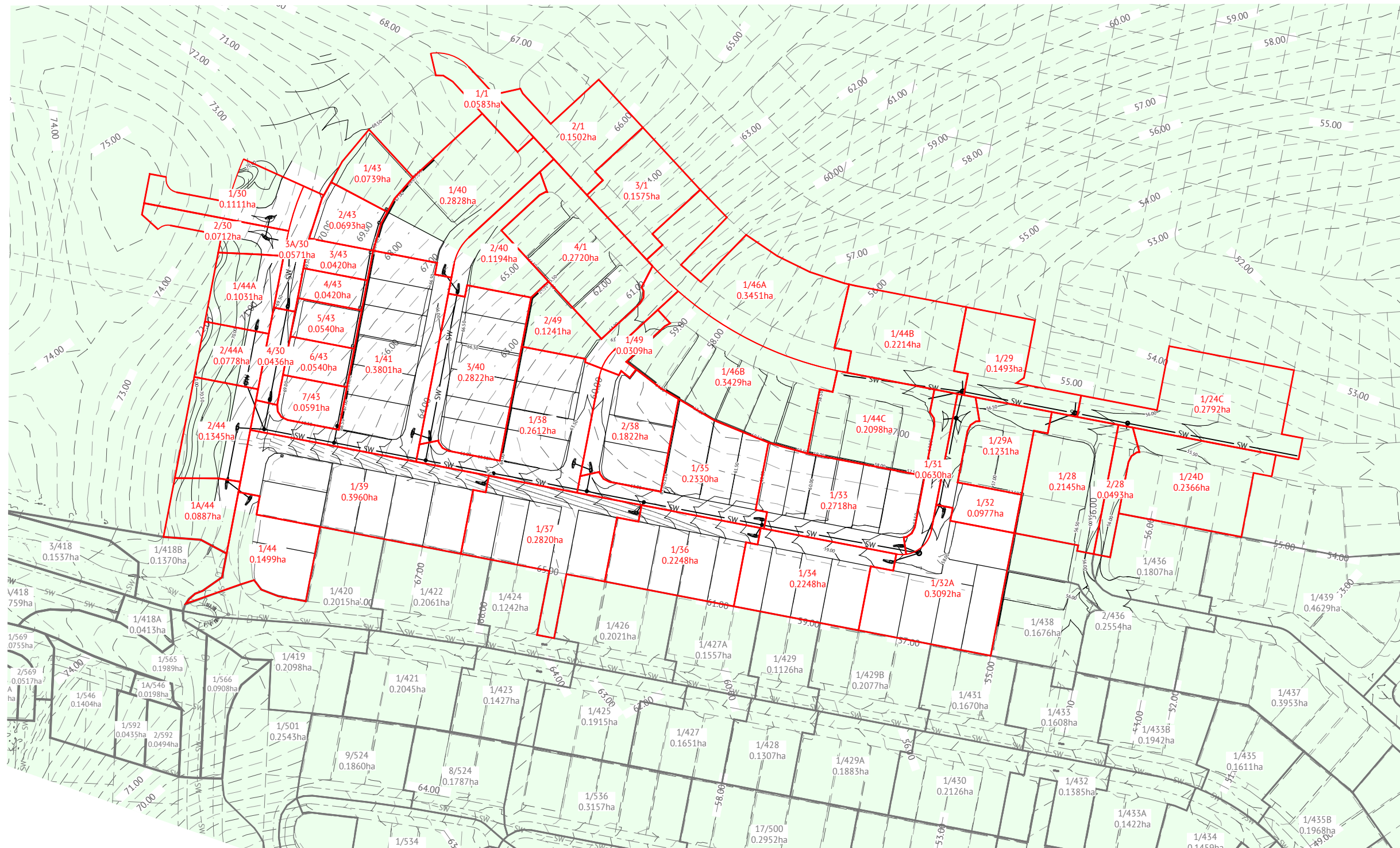
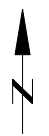
Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
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DESIGNED
KLYNT KIWANG
 CHECKED
ANDREW LANGDON
 PROJECT MANAGER
NICK SOMERVILLE
 PROJECT DIRECTOR
PATRICK BRADY
 RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
PAVEMENT MARKINGS AND SIGNAGE LAYOUT PLAN - SHEET 2

JOB CODE
MIR-1001
 SHEET NUMBER
C331
 REV
B



LEGEND

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

FOR CONSTRUCTION

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


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KLYNT KIWANG

CHECKED
ANDREW LANGDON

PROJECT MANAGER
NICK SOMERVILLE

PROJECT DIRECTOR
PKB
PATRICK BRADY RPEQ 7112

SCALE



SCALE 1:1000 (A1)

ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
STORMWATER CATCHMENT LAYOUT PLAN

JOB CODE
MIR-1001

SHEET NUMBER	REV
C400	B

STRUCTURE NAME	6/1	7/1	8/1	9/1	10/1
STRUCTURE DESCRIPTION	FUTURE IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1800mm DIA	IPWEA MANHOLE 1500mm DIA	IPWEA MANHOLE 1350mm DIA	TEMPORARY HEADWALL

SAND BAG AND SEAL TO PIPE END.

SAND BAG AND SEAL TO PIPE END.

SAND BAG AND SEAL TO PIPE END.

SAND BAG AND SEAL TO PIPE END.

SAND BAG AND SEAL TO PIPE END.

WATER 100mm IL 55.465 CLR 0.479

SEWER 150mm IL 55.014 CLR 0.328

WATER 150mm IL 68.737 CLR 0.579

WATER 200mm IL 68.102 CLR 0.886

SEWER 150mm IL 65.249 CLR 0.308

WATER 100mm IL 65.871 CLR 0.302

SEWER 150mm IL 63.001 CLR 0.302

PIPE SIZE (mm)	525	1050	1050	1050
PIPE CLASS	2	2	2	2
PIPE GRADE (%)	2.28%	0.70%	1.32%	1.00%
PIPE SLOPE (1 in X)	43.9	142.9	76.0	100.0
FULL PIPE VELOCITY (m/s)	1.42	1.64	1.69	1.74
PART FULL VELOCITY (m/s)	2.96	2.78	3.56	3.23
PIPE FLOW (cumecs)	0.308	1.422	1.462	1.509
PIPE CAPACITY AT GRADE (cumecs)	0.649	2.286	3.135	2.732
DATUM RL	39.0			

WSE IN STRUCTURE	56.364	55.020	54.391	54.059	55.262
HGL IN PIPE	56.271	55.003	54.391	54.059	55.262
DEPTH OF INVERT BELOW FSL	2.068	2.051	2.418	2.567	2.123
INVERT LEVEL	55.894	54.635	53.742	53.347	52.551
FINISHED (& EXISTING) SURFACE LEVEL	57.962 (56.062)	56.686 (55.658)	55.742 (55.784)	55.347 (55.830)	54.655 (55.250)
CHAINAGE	0.000	55.295	55.295	52.570	107.865
					24.739
					132.604
					79.510
					212.114

TE1/28	PIPE END	9/1
	IPWEA MANHOLE 1350mm DIA	
1/29	IPWEA KERB INLET L.L.I.; 2.4m Lintel	8/1
	IPWEA MANHOLE 1500mm DIA	
1/29A	IPWEA KERB INLET L.L.I.; 2.4m Lintel	8/1
	IPWEA MANHOLE 1500mm DIA	

375	2	1.00%	100.0	0.56	0.062	38.0	54.206	54.206	1.903	54.026	55.929	0.000
375	2	1.00%	100.0	0.36	0.039	38.0	54.887	54.887	1.315	54.745	55.975	2.400
375	2	1.00%	100.0	0.26	0.029	38.0	54.816	54.816	1.464	54.697	55.508	4.771
375	2	1.00%	100.0	0.17	0.017	38.0	54.816	54.816	1.614	54.649	56.060	14.779

50.0	375	2	1.00%	100.0	0.24	50.0	68.254	68.254	1.316	68.139	69.455	0.000
50.0	375	2	1.00%	100.0	1.14	50.0	68.203	68.203	1.403	68.044	69.447	9.506
50.0	375	2	1.00%	100.0	0.42	50.0	68.179	68.179	1.423	68.024	69.447	11.432
50.0	375	2	1.00%	100.0	0.046	50.0	67.905	67.905	1.770	67.909	69.680	20.938
50.0	375	2	1.00%	100.0	0.54	50.0	67.631	67.631	1.934	67.455	69.389	30.378
50.0	375	2	1.00%	100.0	1.43	50.0	67.612	67.612	1.954	67.435	69.389	32.782
50.0	375	2	1.00%	100.0	0.62	50.0	67.250	67.250	2.114	66.999	69.113	43.621
50.0	375	2	1.00%	100.0	1.49	50.0	67.232	67.232	2.134	66.979	69.113	45.999
50.0	450	2	2.74%	36.5	1.21	50.0	67.271	67.271	2.210	66.838	69.048	108.041
50.0	450	2	2.74%	36.5	2.82	50.0	67.072	67.072	2.285	66.765	68.879	140.823
50.0	450	2	4.40%	22.7	1.70	50.0	66.268	66.268	1.708	65.865	67.573	183.779
50.0	450	2	4.40%	22.7	3.66	50.0	66.210	66.210	1.728	65.845	67.573	215.591
50.0	525	2	3.82%	26.2	2.39	50.0	63.215	63.215	1.768	62.665	64.434	215.591
50.0	525	2	3.82%	26.2	4.08	50.0	63.215	63.215	1.780	62.665	64.434	215.591

LINE 1

28 29 29A

30

FOR CONSTRUCTION

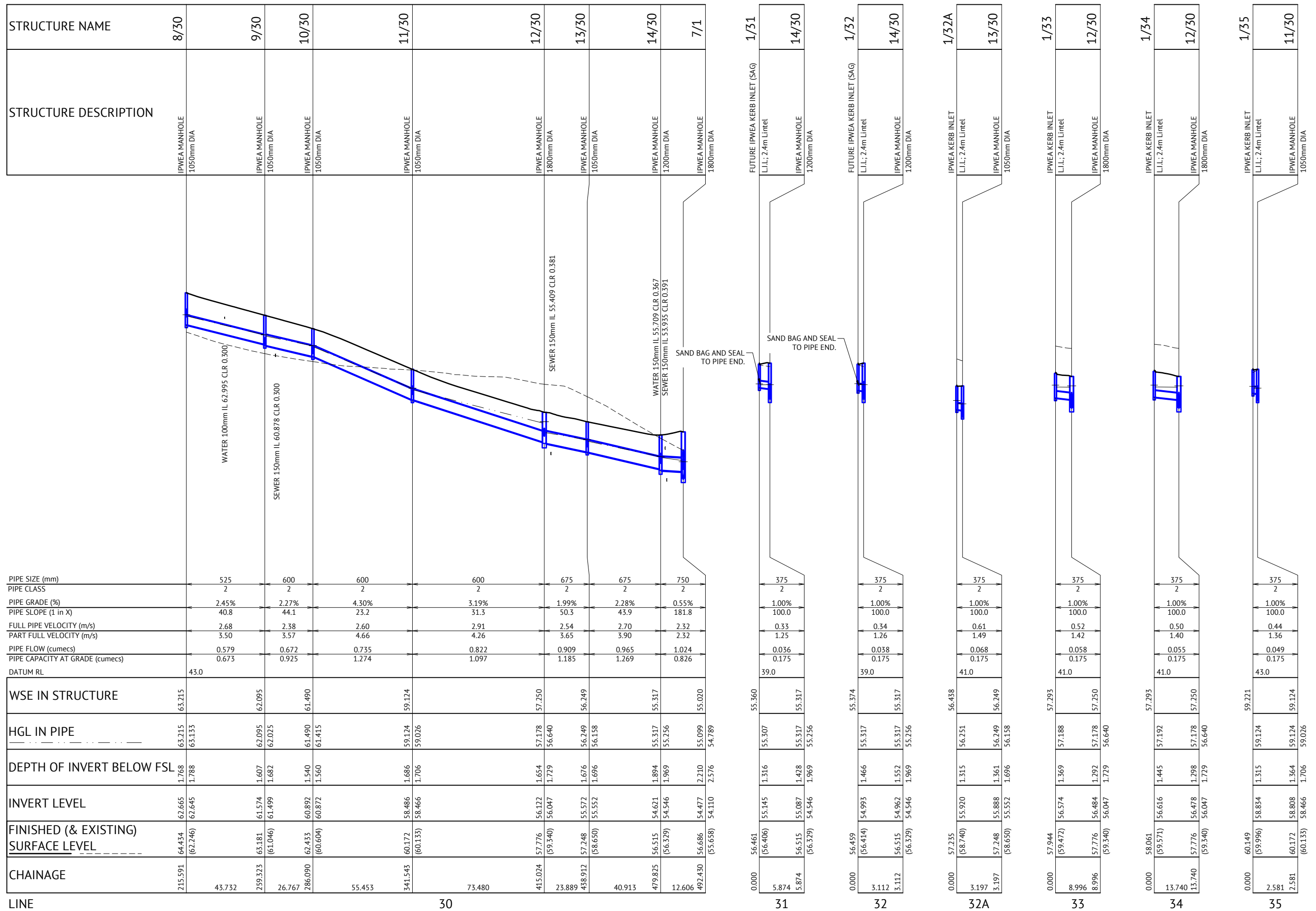
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 PROJECT DIRECTOR
 PATRICK BRADY
 RPEQ 7112

SCALE
 HORIZONTAL 1:1000 (A1)
 VERTICAL 1:100 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 1
 JOB CODE
MIR-1001
 SHEET NUMBER
C410
 REV
B



	8/30	9/30	10/30	11/30	12/30	13/30	14/30	7/1	1/31	14/30	1/32	14/30	1/32A	13/30	1/33	12/30	1/34	12/30	1/35	11/30	
PIPE SIZE (mm)	525	600	600	600	675	675	750		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	2	2	2	2	2	2	
PIPE GRADE (%)	2.45%	2.27%	4.30%	3.19%	1.99%	2.28%	0.55%		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	
PIPE SLOPE (1 in X)	40.8	44.1	23.2	31.3	50.3	43.9	181.8		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
FULL PIPE VELOCITY (m/s)	2.68	2.38	2.60	2.91	2.54	2.70	2.32		0.33	0.34	0.61	0.52	0.61	0.52	0.50	0.44	0.50	0.44	0.44	0.44	
PART FULL VELOCITY (m/s)	3.50	3.57	4.66	4.26	3.65	3.90	2.32		1.25	1.26	1.49	1.42	1.49	1.42	1.40	1.36	1.40	1.36	1.36	1.36	
PIPE FLOW (cumecs)	0.579	0.672	0.735	0.822	0.909	0.965	1.024		0.036	0.038	0.038	0.068	0.068	0.058	0.058	0.055	0.055	0.049	0.049	0.049	
PIPE CAPACITY AT GRADE (cumecs)	0.673	0.925	1.274	1.097	1.185	1.269	0.826		0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175	0.175	
DATUM RL	43.0								39.0	39.0	39.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	43.0	43.0	
WSE IN STRUCTURE	63.215	62.095	61.490	59.124	57.250	56.249	55.317	55.020	55.360	55.317	55.374	55.317	56.438	57.293	57.293	57.250	57.293	57.293	59.221	59.124	
HGL IN PIPE	63.215	62.095	61.490	59.124	57.178	56.249	55.317	55.020	55.307	55.317	55.317	55.317	56.251	57.188	57.188	57.178	57.192	57.188	59.124	59.124	
DEPTH OF INVERT BELOW FSL	1.768	1.607	1.540	1.686	1.654	1.676	1.894	2.210	1.316	1.428	1.466	1.552	1.315	1.369	1.292	1.729	1.445	1.298	1.315	1.364	
INVERT LEVEL	62.665	61.574	60.892	58.486	56.122	55.572	54.621	54.477	55.145	55.087	54.993	54.962	55.888	56.574	56.484	56.047	56.616	56.478	58.834	58.808	
FINISHED (& EXISTING) SURFACE LEVEL	64.434 (62.246)	62.645 (61.046)	61.499 (60.604)	58.466 (60.172)	56.047 (60.133)	55.552 (58.650)	54.546 (56.329)	54.477 (55.658)	55.145 (56.406)	55.087 (56.329)	54.993 (56.414)	54.962 (56.329)	55.888 (58.650)	56.574 (58.740)	56.484 (57.248)	56.047 (59.340)	56.616 (59.571)	56.478 (57.776)	56.478 (59.340)	58.834 (59.996)	58.808 (60.172)
CHAINAGE	215.591	43.732	259.323	26.767	286.090	55.453	341.543	73.480	415.024	23.889	438.912	40.913	479.825	12.606	0.000	3.197	8.996	13.740	13.740	0.000	2.581

FOR CONSTRUCTION

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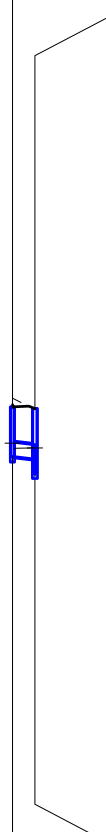
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 PROJECT MANAGER
NICK SOMERVILLE
 PROJECT DIRECTOR
 PATRICK BRADY
 RPEQ 7112

SCALE
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 VERTICAL 1:100 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 2

JOB CODE
MIR-1001
 SHEET NUMBER
C411
 REV
B

STRUCTURE NAME	1/36
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	IPWEA MANHOLE 1050mm DIA

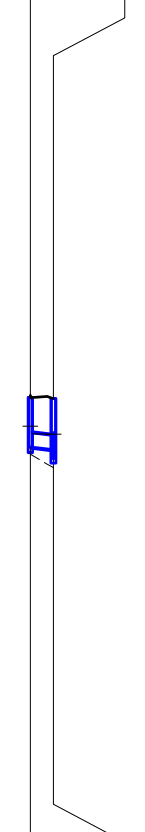


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.52
PART FULL VELOCITY (m/s)	1.42
PIPE FLOW (cumecs)	0.058
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	43.0

WSE IN STRUCTURE	59.253	59.124
HGL IN PIPE	59.118	59.124
DEPTH OF INVERT BELOW FSL	1.315	1.334
INVERT LEVEL	58.898	58.859
FINISHED (& EXISTING) SURFACE LEVEL	60.213 (60.443)	60.172 (60.133)
CHAINAGE	0.000	5.927

LINE 36

STRUCTURE NAME	1/37
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	IPWEA MANHOLE 1050mm DIA

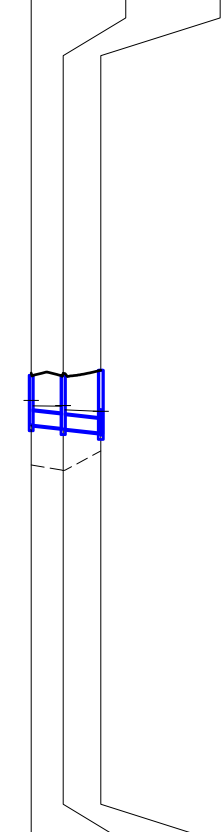


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.65
PART FULL VELOCITY (m/s)	1.51
PIPE FLOW (cumecs)	0.072
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	45.0

WSE IN STRUCTURE	61.701	61.490
HGL IN PIPE	61.498	61.490
DEPTH OF INVERT BELOW FSL	1.315	1.348
INVERT LEVEL	61.146	61.085
FINISHED (& EXISTING) SURFACE LEVEL	62.461 (60.961)	62.433 (60.604)
CHAINAGE	0.000	6.110

LINE 37

STRUCTURE NAME	1/38
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel
	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	IPWEA MANHOLE 1050mm DIA

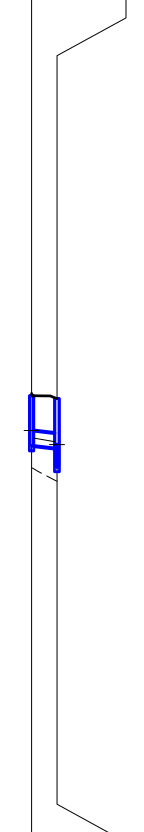


PIPE SIZE (mm)	375	375
PIPE CLASS	2	2
PIPE GRADE (%)	1.00%	1.00%
PIPE SLOPE (1 in X)	100.0	100.0
FULL PIPE VELOCITY (m/s)	0.57	0.96
PART FULL VELOCITY (m/s)	1.46	1.66
PIPE FLOW (cumecs)	0.063	0.106
PIPE CAPACITY AT GRADE (cumecs)	0.175	0.175
DATUM RL	45.0	

WSE IN STRUCTURE	62.381	62.246	62.095
HGL IN PIPE	62.240	62.229	62.095
DEPTH OF INVERT BELOW FSL	1.316	1.394	1.655
INVERT LEVEL	61.730	61.646	61.526
FINISHED (& EXISTING) SURFACE LEVEL	63.046 (60.676)	63.039 (60.577)	63.181 (61.046)
CHAINAGE	0.000	8.445	9.976

LINE 38

STRUCTURE NAME	1/39
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	IPWEA MANHOLE 1050mm DIA

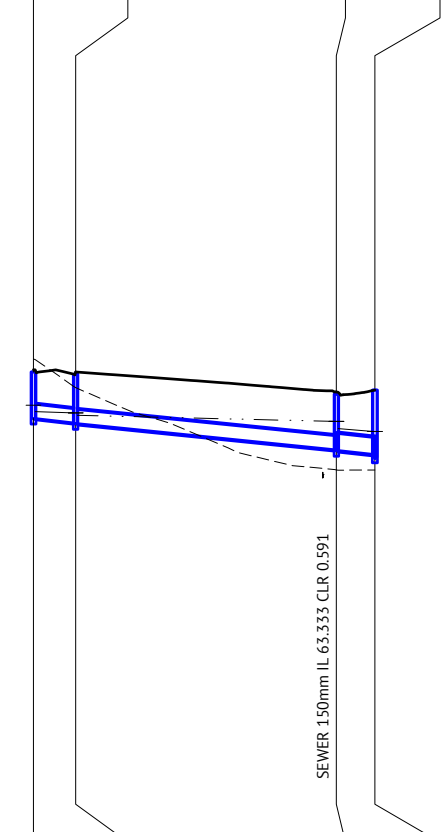


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.64
PART FULL VELOCITY (m/s)	1.50
PIPE FLOW (cumecs)	0.071
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	47.0

WSE IN STRUCTURE	63.588	63.215
HGL IN PIPE	63.388	63.292
DEPTH OF INVERT BELOW FSL	1.315	1.308
INVERT LEVEL	63.193	63.126
FINISHED (& EXISTING) SURFACE LEVEL	64.508 (62.602)	64.434 (62.246)
CHAINAGE	0.000	6.722

LINE 39

STRUCTURE NAME	1/40
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	IPWEA KERB INLET L.L.I.; 2.4m Lintel
	IPWEA MANHOLE 1050mm DIA

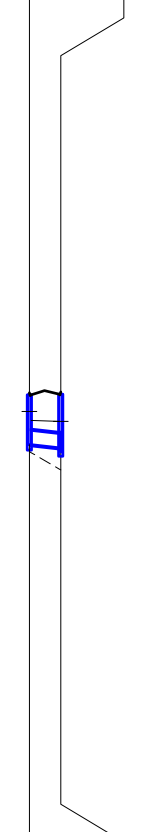


PIPE SIZE (mm)	375	375	450
PIPE CLASS	2	2	2
PIPE GRADE (%)	1.05%	1.00%	1.00%
PIPE SLOPE (1 in X)	95.5	100.0	100.0
FULL PIPE VELOCITY (m/s)	0.58	0.83	1.58
PART FULL VELOCITY (m/s)	1.49	1.61	2.02
PIPE FLOW (cumecs)	0.064	0.092	0.251
PIPE CAPACITY AT GRADE (cumecs)	0.179	0.175	0.285
DATUM RL	48.0		

WSE IN STRUCTURE	65.254	65.051	64.828	64.560
HGL IN PIPE	65.088	65.050	64.828	64.560
DEPTH OF INVERT BELOW FSL	1.232	1.289	1.470	1.780
INVERT LEVEL	64.904	64.787	64.077	63.955
FINISHED (& EXISTING) SURFACE LEVEL	66.136 (66.480)	66.076 (65.720)	65.547 (63.545)	65.660 (63.542)
CHAINAGE	0.000	11.178	68.975	90.364

LINE 40

STRUCTURE NAME	1/41
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.; 2.4m Lintel
	IPWEA KERB INLET L.L.I.; 2.4m Lintel

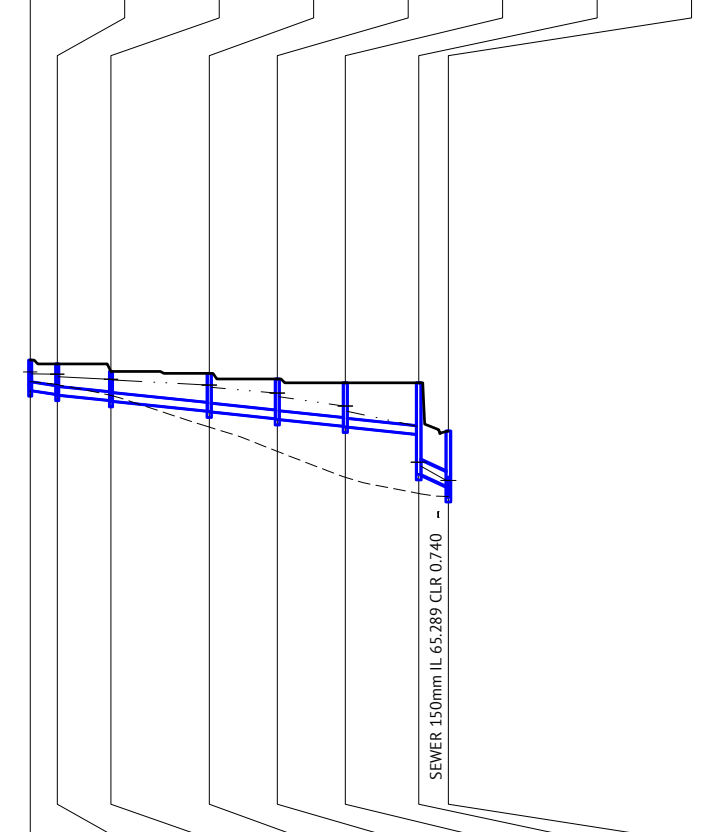


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.91
PART FULL VELOCITY (m/s)	1.64
PIPE FLOW (cumecs)	0.101
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	48.0

WSE IN STRUCTURE	65.092	64.828
HGL IN PIPE	64.855	64.828
DEPTH OF INVERT BELOW FSL	1.315	1.416
INVERT LEVEL	64.214	64.131
FINISHED (& EXISTING) SURFACE LEVEL	65.529 (64.028)	65.547 (63.545)
CHAINAGE	0.000	8.317

LINE 41

STRUCTURE NAME	1/43
STRUCTURE DESCRIPTION	IPWEA FIELD INLET - 600x600 TYPE 2 L.D. GRATE
	IPWEA FIELD INLET - 600x600 TYPE 2 L.D. GRATE
	IPWEA FIELD INLET - 600x600 TYPE 2 L.D. GRATE
	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE
	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE
	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE
	IPWEA FIELD INLET - 600x600 TYPE 2 ON 1050mm DIA MANHOLE
	IPWEA MANHOLE 1050mm DIA



PIPE SIZE (mm)	225	225	225	225	225	225	375
PIPE CLASS	uPVC	uPVC	uPVC	uPVC	uPVC	uPVC	2
PIPE GRADE (%)	1.40%	1.00%	1.00%	1.00%	1.00%	1.00%	4.00%
PIPE SLOPE (1 in X)	71.5	100.0	100.0	100.0	100.0	100.0	25.0
FULL PIPE VELOCITY (m/s)	0.48	0.93	0.96	1.22	1.55	1.88	0.81
PART FULL VELOCITY (m/s)	1.38	1.44	1.45	1.51	1.55	1.88	2.65
PIPE FLOW (cumecs)	0.019	0.037	0.038	0.049	0.062	0.075	0.089
PIPE CAPACITY AT GRADE (cumecs)	0.063	0.053	0.053	0.053	0.053	0.053	0.351
DATUM RL	51.0						

WSE IN STRUCTURE	69.138	69.077	68.940	68.788	68.577	68.235	66.268
HGL IN PIPE	69.087	69.077	68.940	68.788	68.577	68.235	66.268
DEPTH OF INVERT BELOW FSL	0.807	0.807	0.769	0.999	1.049	1.149	1.459
INVERT LEVEL	68.643	68.543	68.361	68.101	67.901	67.701	66.646
FINISHED (& EXISTING) SURFACE LEVEL	68.879 (68.879)	69.350 (68.802)	69.150 (68.513)	69.100 (67.678)	68.950 (67.034)	68.850 (66.349)	68.850 (65.922)
CHAINAGE	0.000	7.146	14.223	21.369	26.000	33.369	44.824

LINE 43

FOR CONSTRUCTION

18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB
DATE	REV	DESCRIPTION	REC	APP

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
PKB
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 10.1 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

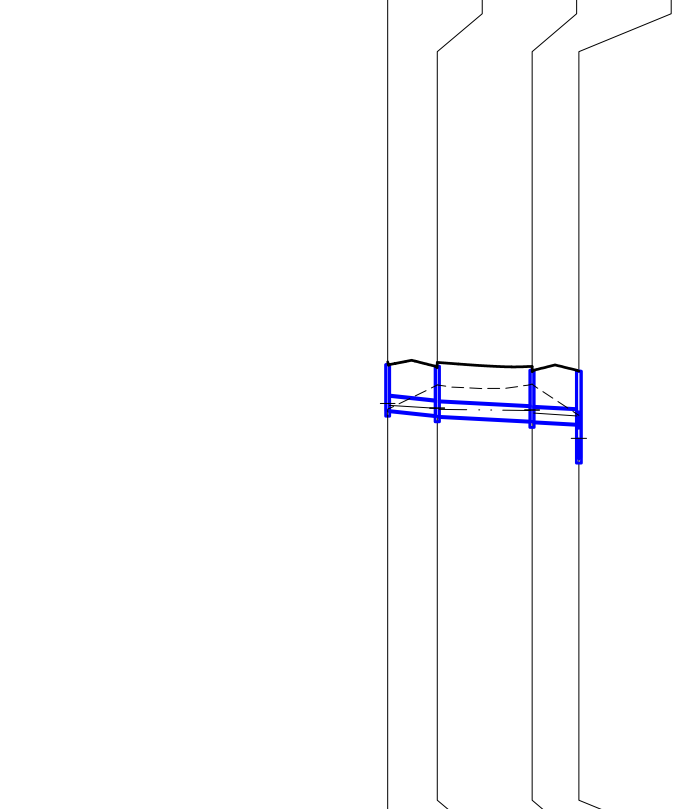
SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 3

JOB CODE
MIR-1001

SHEET NUMBER
C412

REV
B

STRUCTURE NAME	1/44	2/44	3/44	5/30
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.I.L.; 2.4m Lintel	IPWEA KERB INLET L.I.L.; 2.4m Lintel	IPWEA KERB INLET (SAG) L.I.L.; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA

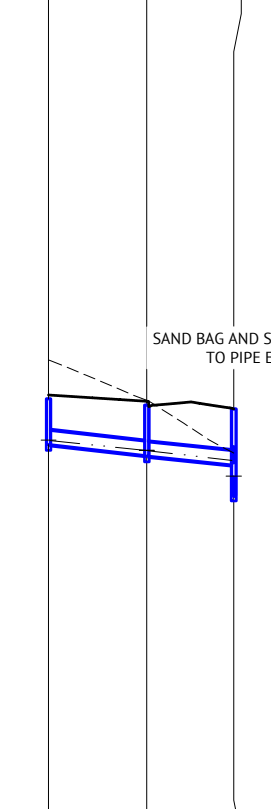


PIPE SIZE (mm)	375	375	375
PIPE CLASS	2	2	2
PIPE GRADE (%)	1.00%	0.50%	0.50%
PIPE SLOPE (1 in x)	100.0	200.0	199.1
FULL PIPE VELOCITY (m/s)	0.32	0.53	0.78
PART FULL VELOCITY (m/s)	1.24	1.10	1.22
PIPE FLOW (cumecs)	0.035	0.058	0.086
PIPE CAPACITY AT GRADE (cumecs)	0.175	0.124	0.124
DATUM RL	51.0		

WSE IN STRUCTURE	68.191			
HGL IN PIPE	68.141	68.065	68.037	68.019
DEPTH OF INVERT BELOW FSL	1.215	1.303	1.323	1.344
INVERT LEVEL	68.006	67.875	67.855	67.729
FINISHED (& EXISTING) SURFACE LEVEL	69.221 (68.041)	69.177 (68.683)	69.073 (68.704)	69.048 (67.879)
CHAINAGE	0.000	13.111	25.098	38.209
				50.577

LINE 44

STRUCTURE NAME	1/44A	2/44A	5/30
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.I.L.; 2.4m Lintel	IPWEA KERB INLET L.I.L.; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA

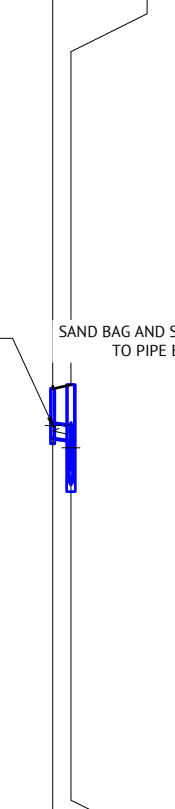


PIPE SIZE (mm)	375	375
PIPE CLASS	2	2
PIPE GRADE (%)	1.10%	1.00%
PIPE SLOPE (1 in x)	91.1	100.0
FULL PIPE VELOCITY (m/s)	0.20	0.35
PART FULL VELOCITY (m/s)	1.12	1.28
PIPE FLOW (cumecs)	0.022	0.039
PIPE CAPACITY AT GRADE (cumecs)	0.184	0.175
DATUM RL	52.0	

WSE IN STRUCTURE	68.224	
HGL IN PIPE	68.210	67.952
DEPTH OF INVERT BELOW FSL	1.212	1.333
INVERT LEVEL	68.103	67.798
FINISHED (& EXISTING) SURFACE LEVEL	69.316 (70.345)	69.151 (69.279)
CHAINAGE	0.000	26.000
		23.024

LINE 44A

STRUCTURE NAME	1/44B	7/1
STRUCTURE DESCRIPTION	FUTURE IPWEA KERB INLET L.I.L.; 2.4m Lintel	IPWEA MANHOLE 1800mm DIA

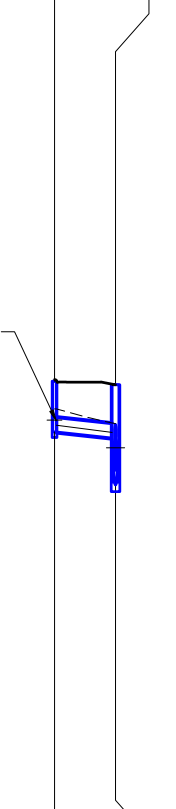


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in x)	100.0
FULL PIPE VELOCITY (m/s)	0.56
PART FULL VELOCITY (m/s)	1.45
PIPE FLOW (cumecs)	0.062
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	39.0

WSE IN STRUCTURE	55.610
HGL IN PIPE	55.456
DEPTH OF INVERT BELOW FSL	1.315
INVERT LEVEL	55.276
FINISHED (& EXISTING) SURFACE LEVEL	56.591 (55.461)
CHAINAGE	0.000
	4.836

LINE 44B

STRUCTURE NAME	1/44C	7/1
STRUCTURE DESCRIPTION	FUTURE IPWEA KERB INLET L.I.L.; 2.4m Lintel	IPWEA MANHOLE 1800mm DIA



PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in x)	100.0
FULL PIPE VELOCITY (m/s)	0.52
PART FULL VELOCITY (m/s)	1.42
PIPE FLOW (cumecs)	0.058
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	39.0

WSE IN STRUCTURE	55.751
HGL IN PIPE	55.616
DEPTH OF INVERT BELOW FSL	1.342
INVERT LEVEL	55.441
FINISHED (& EXISTING) SURFACE LEVEL	56.783 (56.049)
CHAINAGE	0.000
	16.143

LINE 44C

SAND BAG AND SEAL TO PIPE END.

FOR CONSTRUCTION

18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB
DATE	REV	DESCRIPTION	REC	APP

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

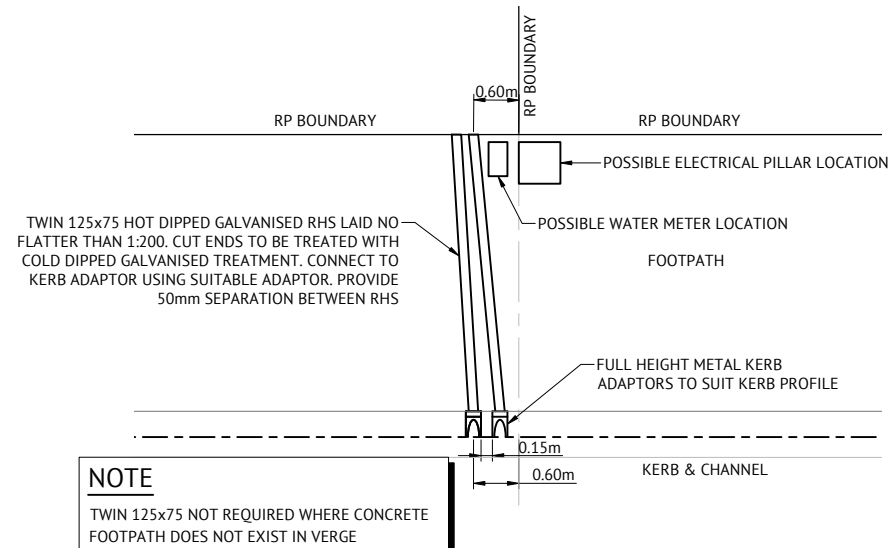
SCALE
 HORIZONTAL 1:1000 (A1)
 VERTICAL 1:100 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 4

JOB CODE
MIR-1001
 SHEET NUMBER
C413
 REV
B

STORMWATER DRAINAGE NOTES

- ALL STORMWATER DRAWINGS ARE TO BE READ IN CONJUNCTION WITH DRAWING C001, STORMWATER LAYOUT PLANS, NOTES AND DETAILS.
- 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.
- ALL DRAINAGE EXCAVATION AND CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH AS3500 AND THE APPLICABLE LOCAL AUTHORITY SPECIFICATIONS AND STANDARD DETAILS.
- ALL MATERIALS SHALL MEET THE REQUIREMENTS OF AS1254 & AS1273.
- ALL uPVC PIPES SHALL BE CLASS 'SN8' FOR DN150 & DN225, AND CLASS 'SN6' FOR DN100 UNLESS NOTED OTHERWISE.
- PIPES SHALL BE LAID AT MIN. 1% GRADE UNLESS NOTED OTHERWISE.
- 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.
- 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.
- BENCHING OF PIT STRUCTURES SHALL HAVE A SMOOTH FINISHED SURFACE, AND PIPES SHALL NOT PROJECT INSIDE THE SHAFT OF THE PIT.
- WHERE RECTANGULAR PIT STRUCTURES ARE USED, PIPES MUST NOT CONNECT TO THE PIT AT CORNERS.
- 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.
- ALL STORMWATER PIPES SHALL BE CLASS '2' (UNO) R.C. PIPES UNLESS AN ALTERNATIVE IS APPROVED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION.
- ALL TEMPORARY ROOFWATER OUTLETS TO BE EXCAVATED AT 1 IN 200 TO NATURAL SURFACE.
- ALL ROOFWATER PIPES CROSSING CONCRETE FOOTPATHS ARE TO BE INSTALLED PRIOR TO CONSTRUCTION OF CONCRETE FOOTPATHS.
- 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).



TYPICAL ROOFWATER KERB ADAPTOR OUTLET DETAIL
N.T.S.

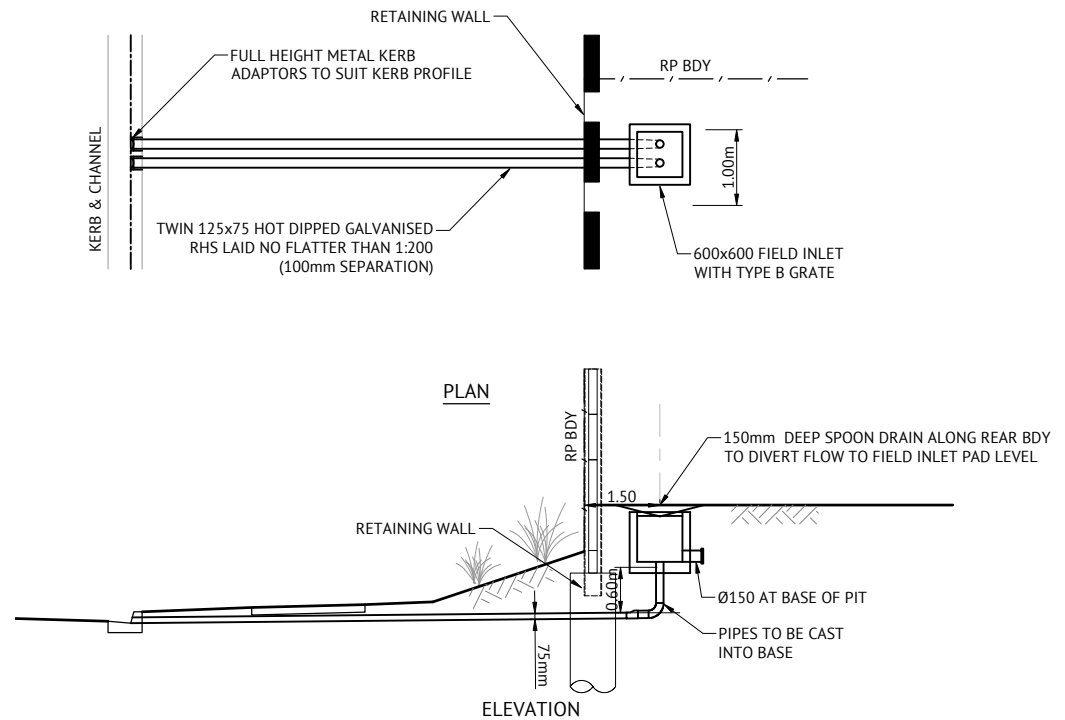
REFERENCE POINT LOCATION FOR DRAINAGE STRUCTURES

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

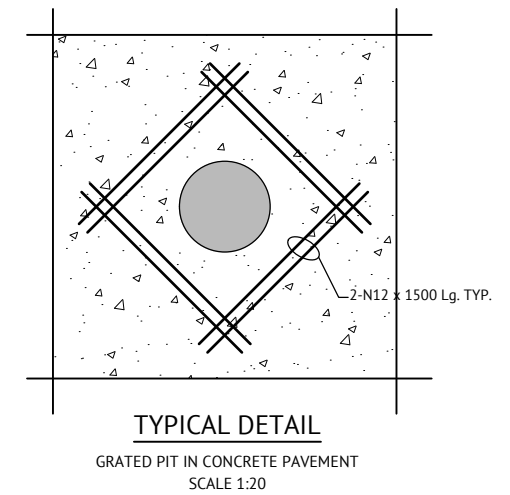
EXCAVATION IN ROCK NOTE:
CONTRACT SHALL INCLUDE TREATING, SIZING CONDITIONING AND PROCESSING ALL TYPES OF ROCK IN ALL EXCAVATIONS. PROCESSING TO BE COMPLETED AS PER MORRISON GEOTECHNICAL REPORTS TO ENSURE LEVEL 1 IS ACHIEVED.

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.



TYPICAL ROOFWATER PROPERTY PIT TO KERB ADAPTOR OUTLET DETAIL
N.T.S.



TYPICAL DETAIL
GRADED PIT IN CONCRETE PAVEMENT
SCALE 1:20

FOR CONSTRUCTION				
DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

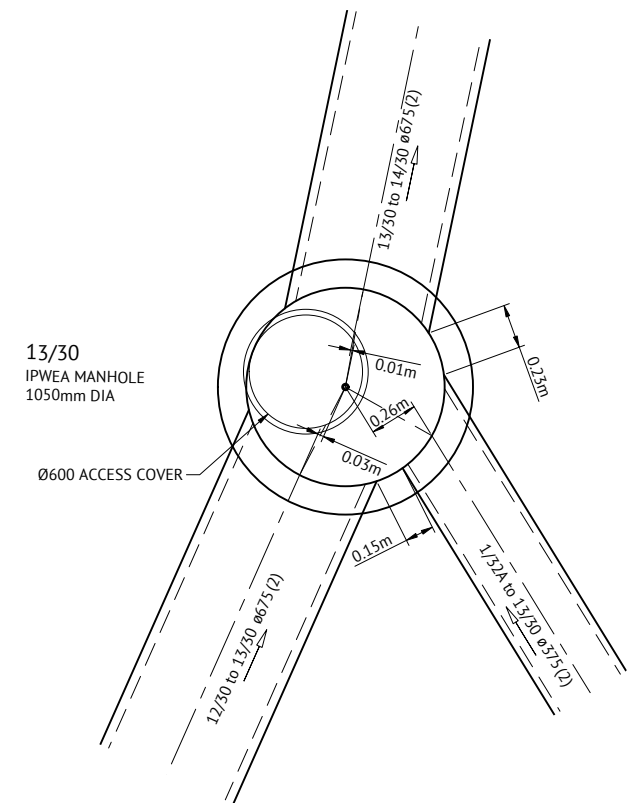
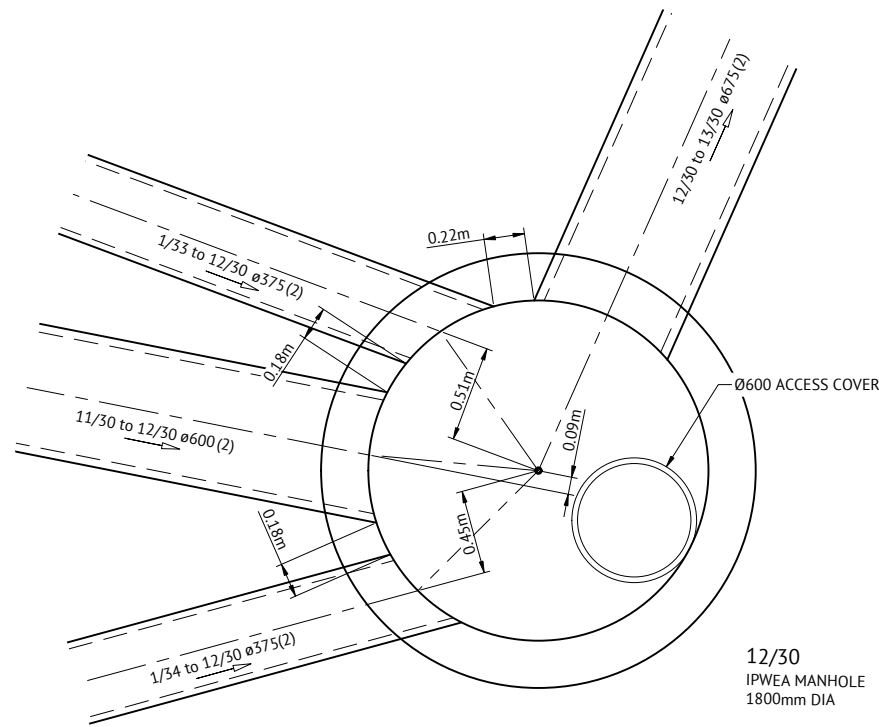
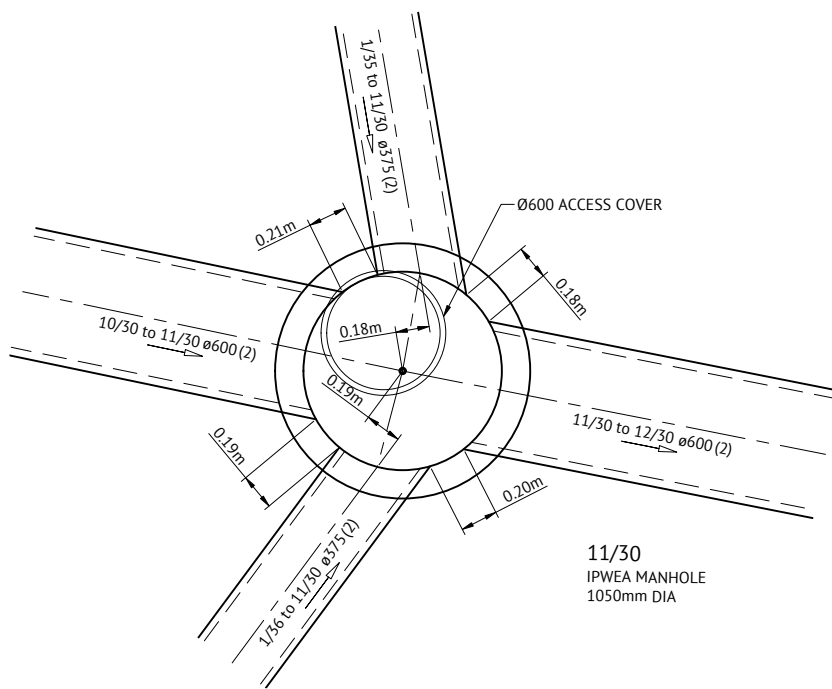
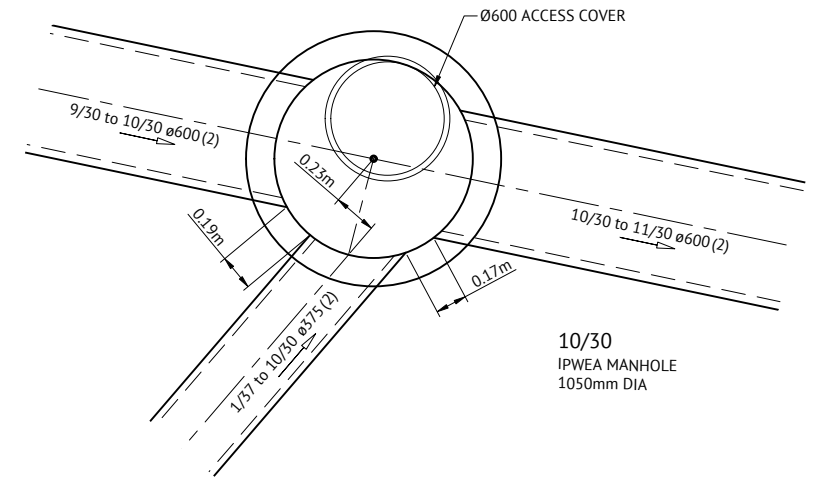
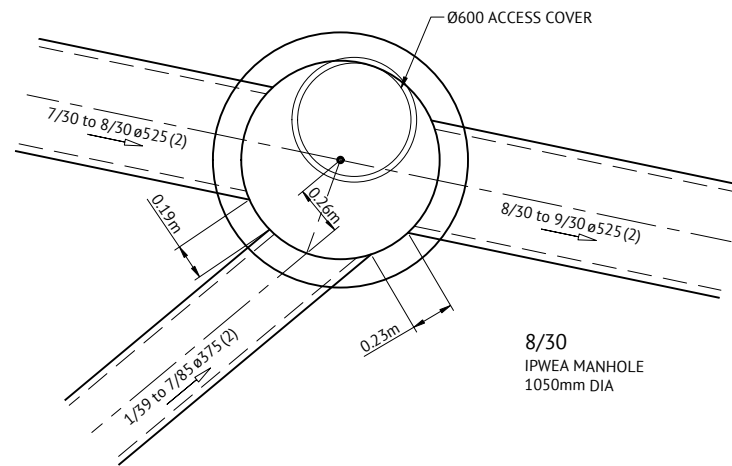
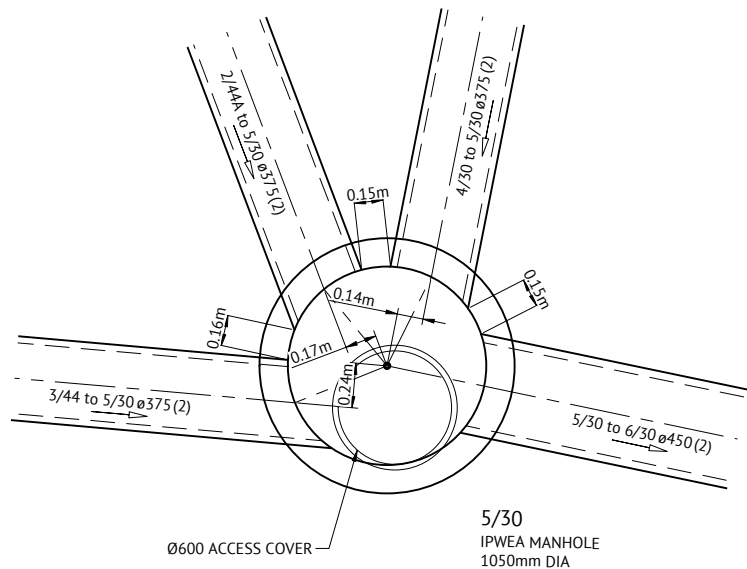
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

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 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
STORMWATER DRAINAGE NOTES AND DETAILS

JOB CODE
MIR-1001
SHEET NUMBER
C420
REV
B



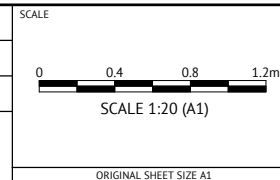
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB



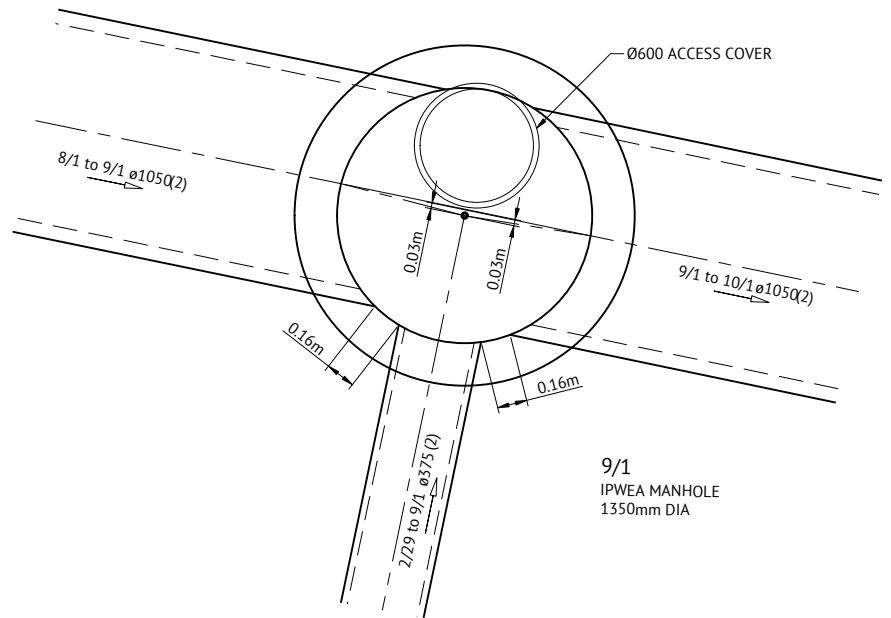
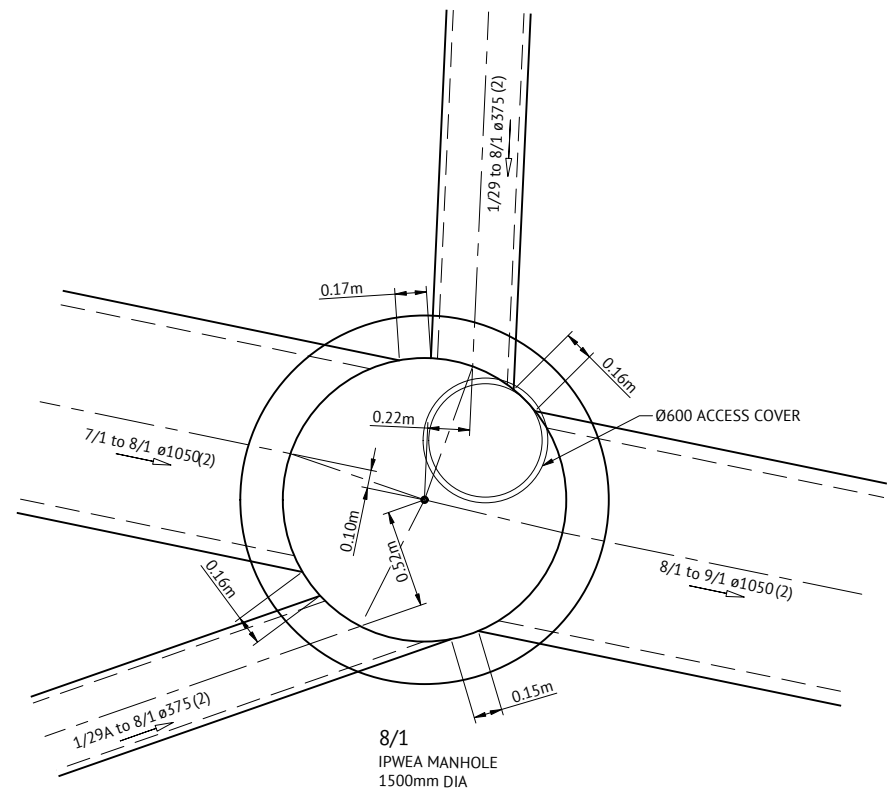
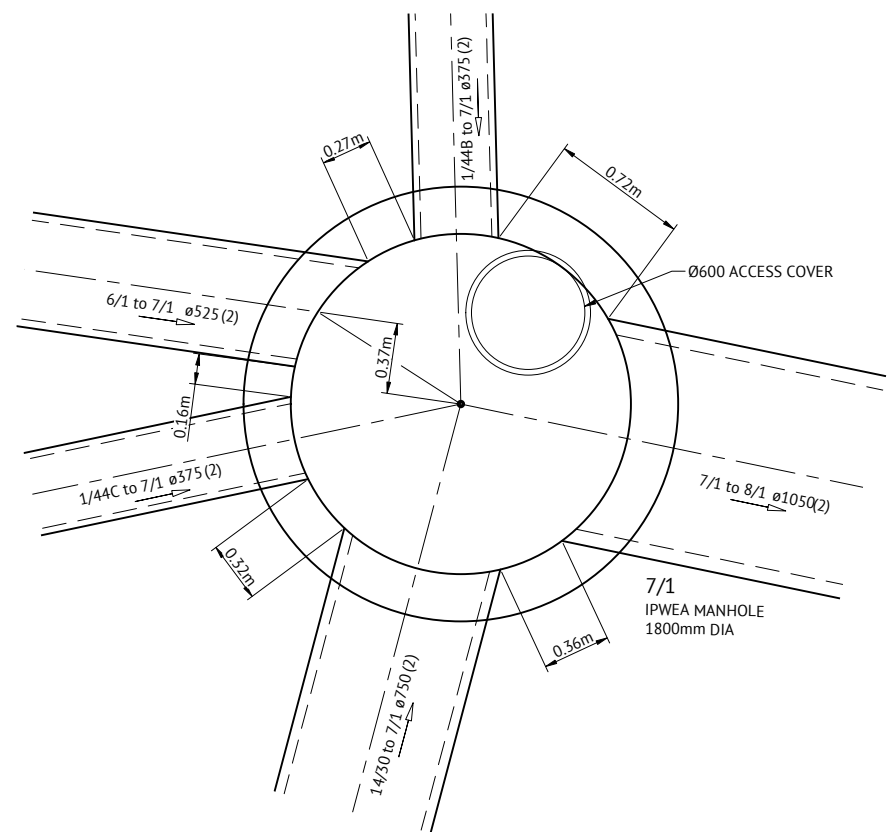
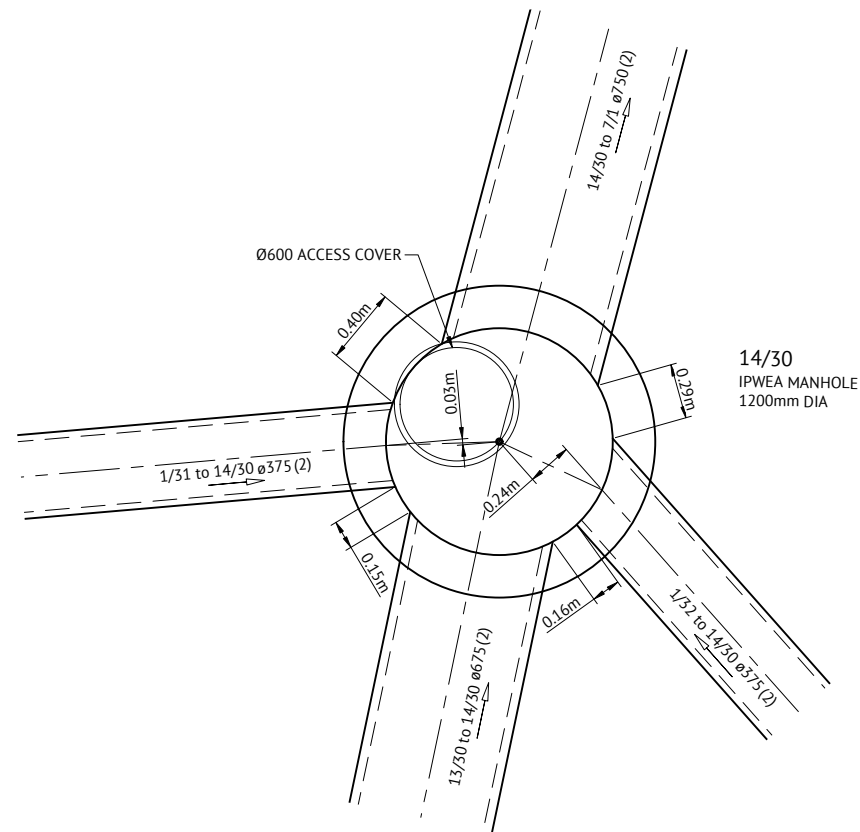
BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

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



CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 1

JOB CODE
MIR-1001
 SHEET NUMBER
C430
 REV
B



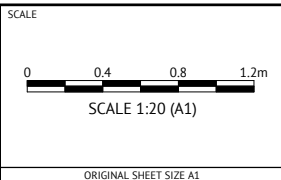
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB



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EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 2

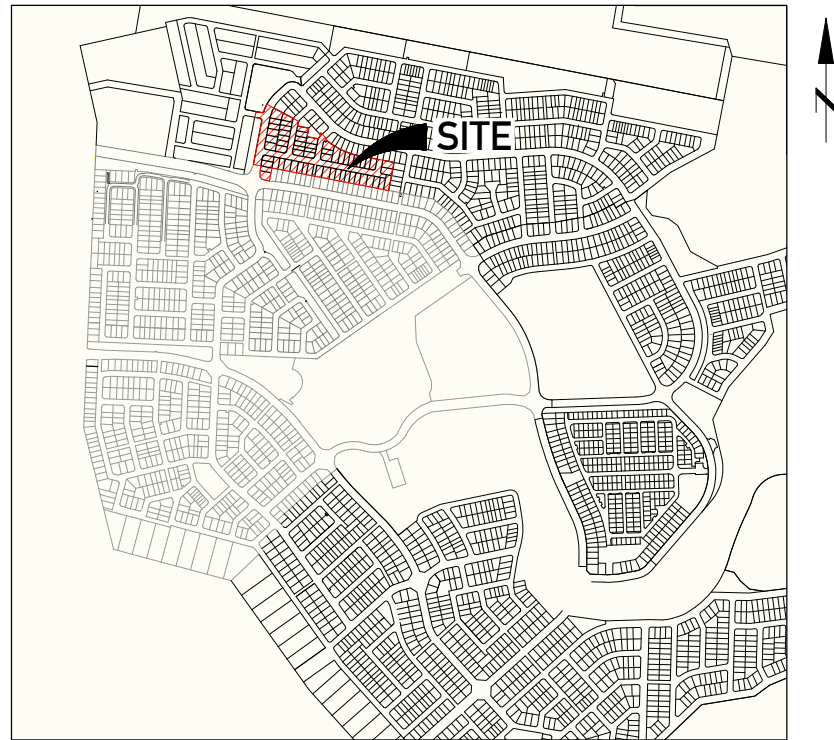
JOB CODE
MIR-1001
 SHEET NUMBER
C431
 REV
B

EVERLEIGH PRECINCT 10.1 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 10.1 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	61	
AREA ha	3.93ha	
LENGTH OF SEWERS	DN150 uPVC SN8	1215.9m

GENERAL NOTES

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND SEWERAGE CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- 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.
- 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.
- ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE "ACCEPTED PRODUCTS AND MATERIALS" LIST.
- EACH ALLOTMENT SHALL BE SERVED BY A DN100 PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN150 PROPERTY CONNECTION SHALL BE PROVIDED.
- PROPERTY CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS.
- PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 300mm AND A MAXIMUM OF 750mm.
- 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.
- WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER, BULKHEADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SEQ SEWER CODE.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
- SEWERS SHALL BE DISUSED /ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ SEWER CODE.
- BENCH MARK AND LEVELS TO AHD.
- REFER TO BULK EARTHWORKS DRAWINGS FOR FINISHED SURFACE LEVELS.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO ALLOW CONSTRUCTION OF THE SEWER SYSTEM.
- THE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION AND SAFE SHORING TO ALLOW SEWER MAINTENANCE SECTION TO CARRY OUT LIVE SEWER WORK.
- 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.
- CONSTRUCT PROPERTY CONNECTIONS TO SEQ-SEW-1100 SERIES.
- CONSTRUCT MAINTENANCE STRUCTURES TO SEQ-SEW-1300 SERIES.
- CONSTRUCT BULKHEADS TO SEQ-SEW-1206-1.
- INSTALL DETECTABLE MARKER TAPE ON ALL MAINS AND PROPERTY CONNECTIONS.
- CALCAREOUS CONCRETE IN MAINTENANCE HOLES REQUIRED IN ACCORDANCE WITH SEQ WS&S D&C CODE REQUIREMENTS.
- 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

- TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- 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.
- 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.
- ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST

SOIL

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

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

REHABILITATION

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

SAFETY

- 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 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.

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

SHEET NO.	SHEET TITLE
C500	SEWERAGE LOCALITY PLAN & NOTES
C510	SEWERAGE LAYOUT PLAN - SHEET 1
C511	SEWERAGE LAYOUT PLAN - SHEET 2
C520	SEWERAGE LONG SECTIONS - SHEET 1
C521	SEWERAGE LONG SECTIONS - SHEET 2
C522	SEWERAGE LONG SECTIONS - SHEET 3
C523	SEWERAGE LONG SECTIONS - SHEET 4
C530	SEWERAGE NOTES AND DETAILS

FOR CONSTRUCTION



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

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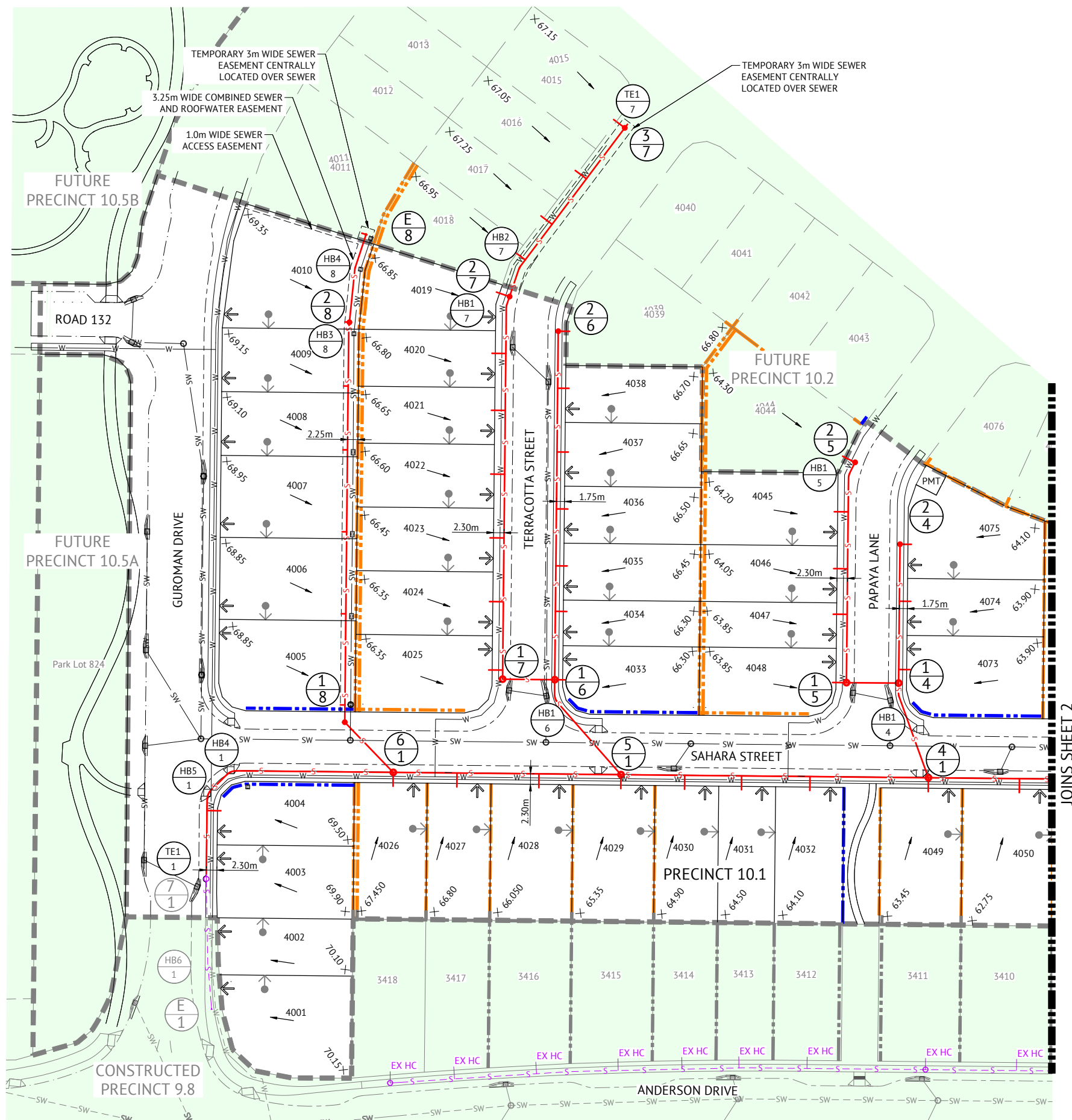
SCALE

 SCALE 1:10000 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
SEWERAGE LOCALITY PLAN & NOTES

JOB CODE
MIR-1001
 SHEET NUMBER
C500
 REV
B

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB



LEGEND - PROPOSED

- GRAVITY SEWER
- Ø100mm PROPERTY CONNECTION. 7.5m OFFSET FROM SIDE BODY WITH DWAY. 1.2m OFFSET FROM SIDE BODY 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).
- 38 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 CONCRETE FOOTPATH & KERB RAMP
- STAGE BOUNDARY
- FALL ARROW
- PADMOUNT TRANSFORMER

LEGEND - CONSTRUCTED

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

FOR SEWERAGE RETICULATION NOTES REFER DWG No. C500.

ALL PROPERTY CONNECTIONS DIA 100 PVC UNLESS OTHERWISE DENOTED.

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.

LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
18/08/2023	C	ISSUED FOR CONSTRUCTION	KK PB
24/01/2023	B	ADDED LABEL FOR TE1/1	KK PB
05/12/2022	A	ORIGINAL ISSUE	KK PB

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

DESIGNED
KLYNT KIWANG
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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 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE LAYOUT PLAN - SHEET 1

JOB CODE
MIR-1001
SHEET NUMBER
C510
REV
C

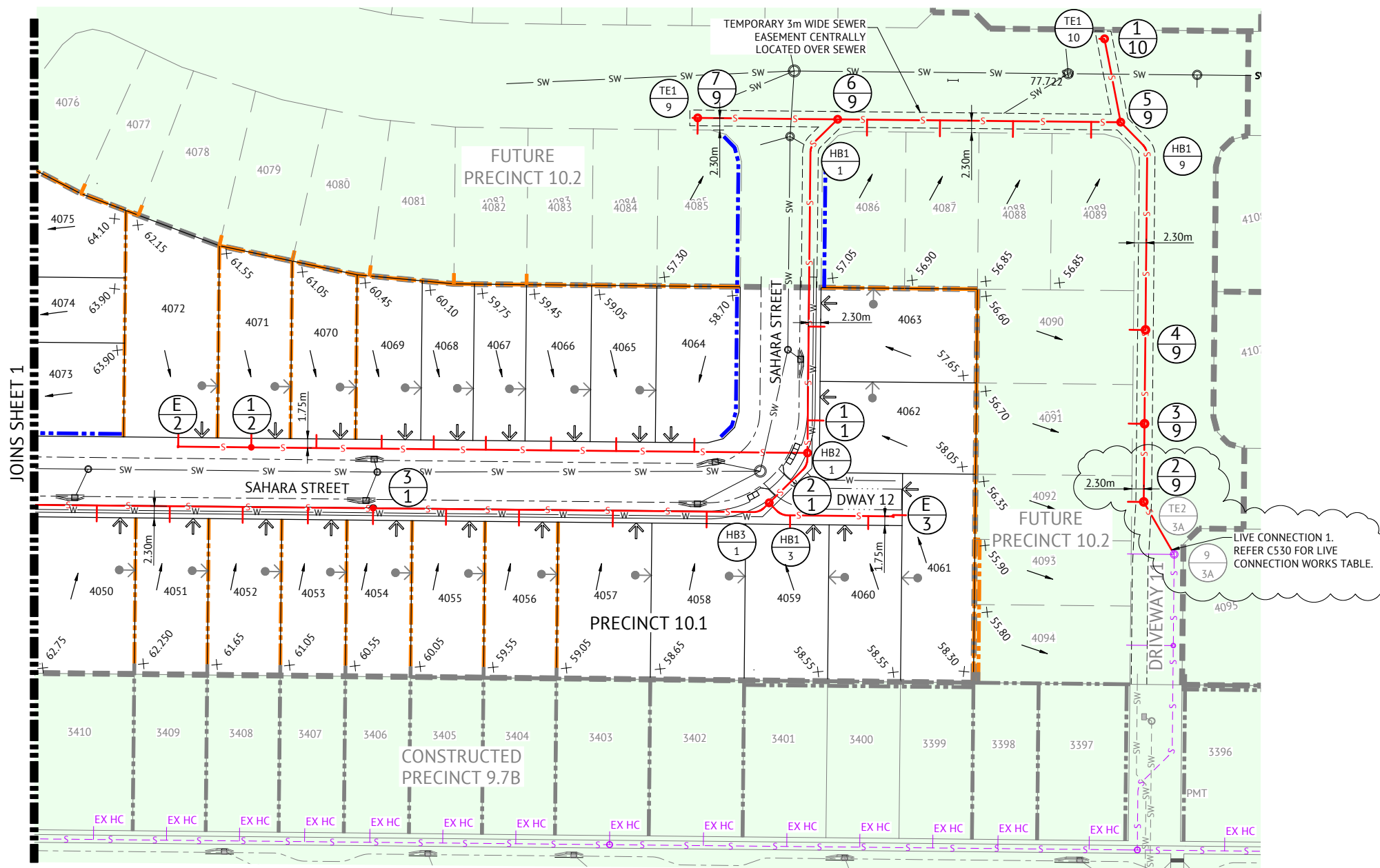


LEGEND - PROPOSED

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- 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 CONCRETE FOOTPATH & KERB RAMP
- STAGE BOUNDARY
- FALL ARROW
- PAD EXCLUSION ZONE

LEGEND - CONSTRUCTED

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



LAYOUT PLAN
SCALE 1:500

FOR SEWERAGE RETICULATION NOTES REFER DWG No. C500.

ALL PROPERTY CONNECTIONS DIA 100 PVC UNLESS OTHERWISE DENOTED.

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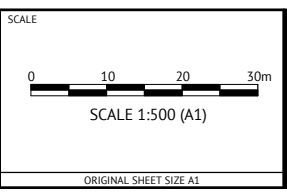
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION - UPDATED LINE 9	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB



BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
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Patrick Brady
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CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
SEWERAGE LAYOUT PLAN - SHEET 2

JOB CODE
MIR-1001

SHEET NUMBER
C511

REV
B

MAINTENANCE HOLE / SHAFT NO.	6/9	HB1/1	1/1	HB2/1	2/1	HB3/1	3/1	4/1	5/1	6/1	HB4/1	HB5/1	TE1/1					
MH / MS COVER TYPE	B		B		B		B	B	B	B								
MH / MS TYPE	A	TP	LRB	TP	A	TP	LRB	TP	J	A	A	TP	LRB	TP	TP	LRB	TP	TE
MH DROP TYPE	V	V		V	X		V	V	V	V	V	V	V					
LINE NO.	1	9		2	1		3	1		4	1	6	1	8	1			
PROPERTY CONNECTION DEPTH																		
PROPERTY CONNECTION INVERT LEVEL																		
PROPERTY CONNECTION TYPE																		
LOT NO.																		

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.05Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
HB	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

- 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																										
PIPE SIZE (mm), CLASS	DN150 uPVC SN8																										
GRADE (1 IN X)	58	58	58	58	67	67	67	67	32	32	32	32	31	32	23	26	26	26	26	26	26	26					
LENGTH	6.042	1.178	1.178	57.656	1.166	1.178	1.178	8.997	1.326	1.170	1.170	72.907	73.000	67.500	50.000	34.406	1.178	1.178	4.800	1.178	1.178	16.406					
EMBEDMENT TYPE	TYPE 3																										
DEPTH OF INVERT BELOW FSL	2.913	2.853	2.648	2.599	2.577	2.730	2.106	2.125	2.135	2.127	2.116	2.053	2.042	2.056	2.310	2.250	2.152	2.112	2.464	2.469	2.487	2.496	2.468	2.453	1.951		
INVERT LEVEL (IL)	53.828	53.908	54.011	54.031	54.051	55.041	55.665	55.683	55.701	55.718	55.853	55.936	55.977	56.013	60.705	60.725	62.812	62.892	65.071	65.111	66.419	66.464	66.508	66.691	66.736	66.780	67.404
FINISHED SURFACE LEVEL (FSL)	56.741	56.659	56.630	56.629	57.771	57.771	57.808	57.835	57.845	57.969	58.019	58.049	58.058	60.317	63.061	65.122	67.223	67.223	68.883	68.932	68.996	69.187	69.203	69.233	69.354		
EXISTING SURFACE LEVEL (ESL)	56.168	56.387	56.438	56.502	59.237	59.247	59.259	59.271	59.363	59.380	59.404	59.419	60.517	61.314	63.041	65.332	67.349	67.349	67.404	67.621	67.668	67.689	67.872				
CHAINAGE (CH)	0.000	6.042	7.220	8.398	66.055	67.221	68.399	69.577	78.574	79.900	81.071	82.241	155.148	228.148	295.648	345.648	380.053	381.232	387.410	387.209	388.387	389.565	405.972				

LINE

1

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	C	ISSUED FOR CONSTRUCTION - MINOR UPDATES TO LONG SECTIONS	KK	PB
24/01/2023	B	AMENDED HB2/1 BEND AND UPDATED PIPE GRADE BETWEEN 6/9 AND 1/1	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
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SCALE
HORIZONTAL 1:1000 (A1)
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE LONG SECTIONS - SHEET 1

JOB CODE
MIR-1001
SHEET NUMBER
C520
REV
C

MAINTENANCE HOLE / SHAFT NO.	1/1	1/2	E/2
MH / MS COVER TYPE	B	B	B
MH / MS TYPE	A	J	J
MH DROP TYPE	V	V	V
LINE NO.	2	1	2
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	56.991	57.450	57.831
PROPERTY CONNECTION TYPE	B	B	B
LOT NO.	4064	4065	4066

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.05Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
HB	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

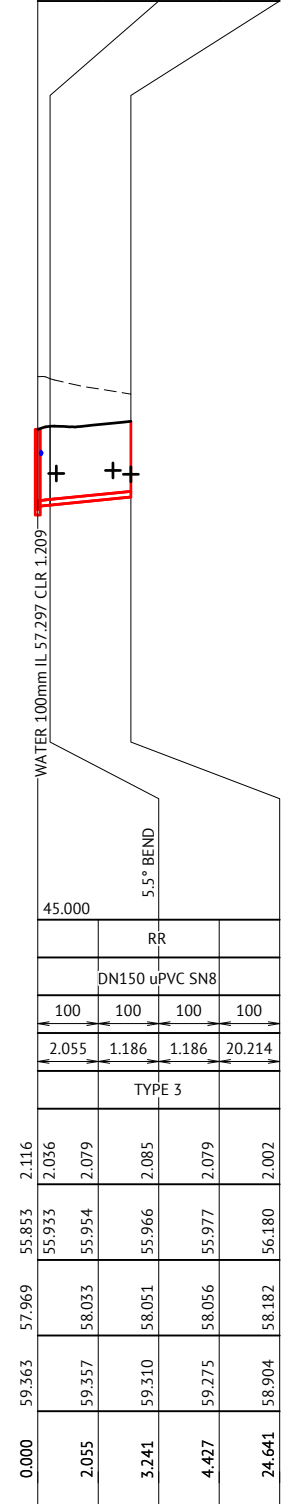
PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

- 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.

DATUM RL	46.000
PROPERTY DESCRIPTION	RR
PIPE SIZE (mm), CLASS	DN150 uPVC SN8
GRADE (1 IN X)	27
LENGTH	106.700
EMBEDMENT TYPE	TYPE 3
DEPTH OF INVERT BELOW FSL	2.730
INVERT LEVEL (IL)	55.041
FINISHED SURFACE LEVEL (FSL)	57.771
EXISTING SURFACE LEVEL (ESL)	59.237
CHAINAGE (CH)	0.000

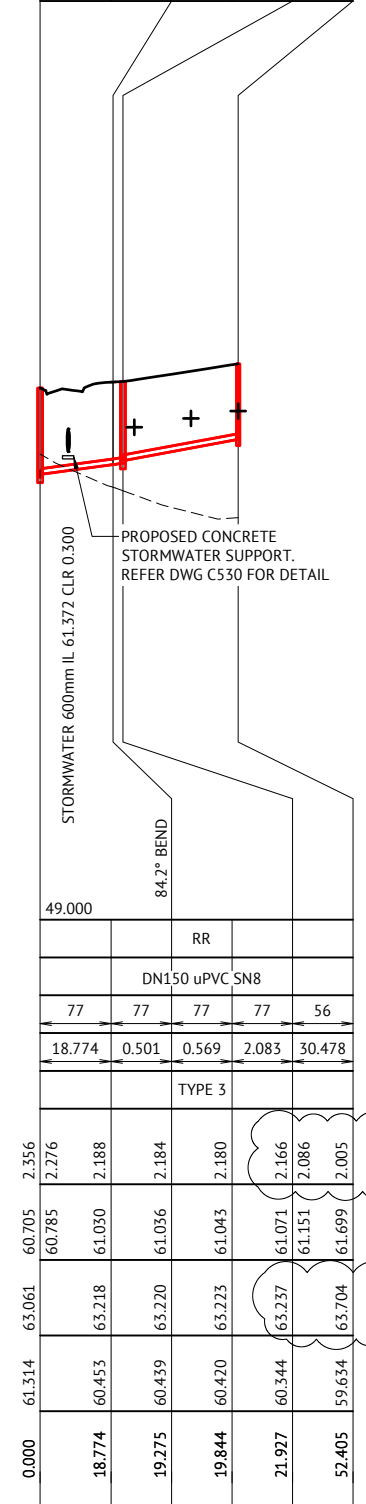
LINE 2

MAINTENANCE HOLE / SHAFT NO.	2/1	HB1/3	E/3
MH / MS COVER TYPE	B	LRB	B
MH / MS TYPE	A	LRB	J
MH DROP TYPE	V	V	V
LINE NO.	3	1	2
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	56.803	56.885	56.782
PROPERTY CONNECTION TYPE	B	B	B
LOT NO.	4059	4060	4061



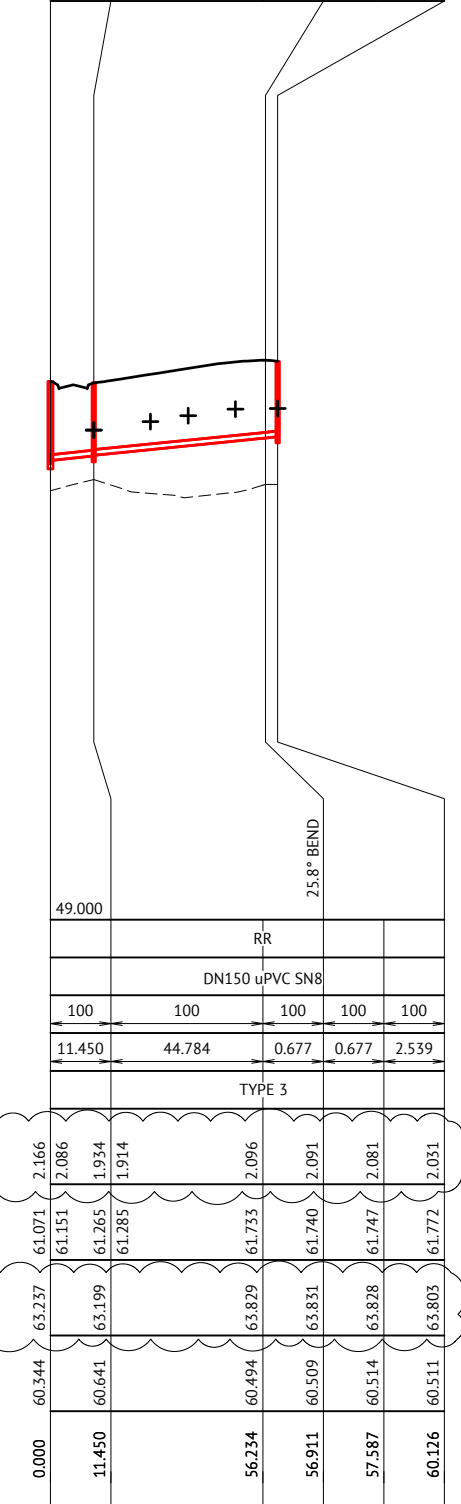
LINE 3

MAINTENANCE HOLE / SHAFT NO.	4/1	HB1/4	1/4	2/4
MH / MS COVER TYPE	B	LRB	A	J
MH / MS TYPE	A	LRB	A	J
MH DROP TYPE	V	V	V	V
LINE NO.	4	1	5	4
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	62.024	62.258	62.454	62.454
PROPERTY CONNECTION TYPE	B	B	B	B
LOT NO.	4073	4074	4075	4075



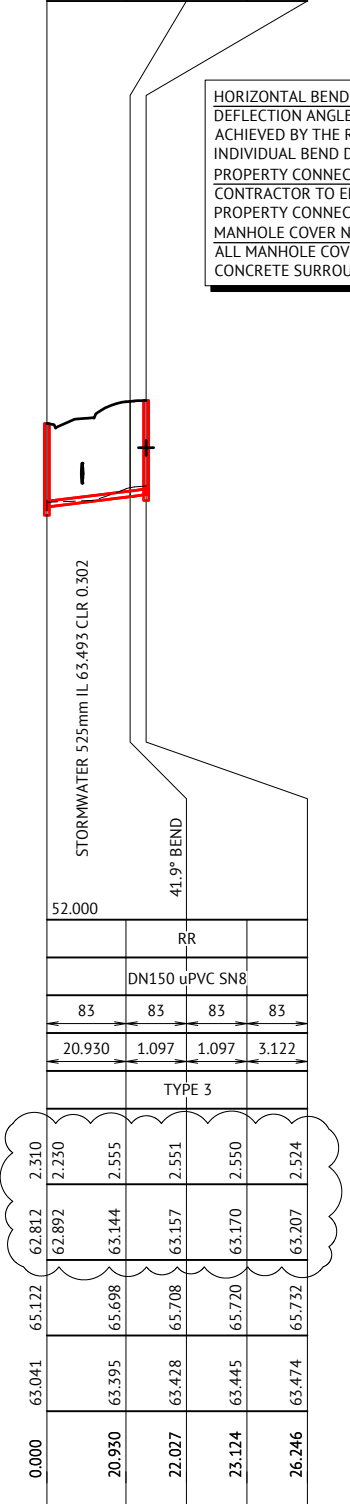
LINE 4

MAINTENANCE HOLE / SHAFT NO.	1/4	1/5	HB1/5	2/5
MH / MS COVER TYPE	B	B	LRB	J
MH / MS TYPE	A	J	LRB	J
MH DROP TYPE	V	V	V	V
LINE NO.	5	4	5	6
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	61.950	62.174	62.330	62.505
PROPERTY CONNECTION TYPE	B	B	B	B
LOT NO.	4048	4047	4046	4045



LINE 5

MAINTENANCE HOLE / SHAFT NO.	5/1	HB1/6	1/6
MH / MS COVER TYPE	B	LRB	A
MH / MS TYPE	A	LRB	A
MH DROP TYPE	V	V	V
LINE NO.	6	1	7
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	64.482	64.482	64.482
PROPERTY CONNECTION TYPE	B	B	B
LOT NO.	4033	4033	4033



LINE 6

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	REVISIONS
18/08/2023	B	ISSUED FOR CONSTRUCTION - MINOR UPDATES TO LONG SECTIONS	KK PB
05/12/2022	A	ORIGINAL ISSUE	KK PB

Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
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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)
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE LONG SECTIONS - SHEET 2

JOB CODE
MIR-1001
SHEET NUMBER
C521
REV
B

MAINTENANCE HOLE / SHAFT NO.	TE2/3A	2/9	3/9	4/9	HB1/9	5/9	6/9	7/9	TE1/9	5/9	1/10	TE1/10
MH / MS COVER TYPE	B	B	B			B	B	B		B	B	
MH / MS TYPE	TE	A	A	A	LRB	A	A	A	TE	A	A	TE
MH DROP TYPE		V	V	V		V	V	V		V	V	
LINE NO.		9	9	9		10	9	1	9	10	9	10
PROPERTY CONNECTION DEPTH		1.250	1.251	1.251		1.250	1.250	1.250				
PROPERTY CONNECTION INVERT LEVEL		54.793	54.881	54.807		55.014	55.073	55.213				
PROPERTY CONNECTION TYPE		B	B	B		D	D	D				
LOT NO.		4092	4091	4090		4089	4088	4087		4086		4085

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.05Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)

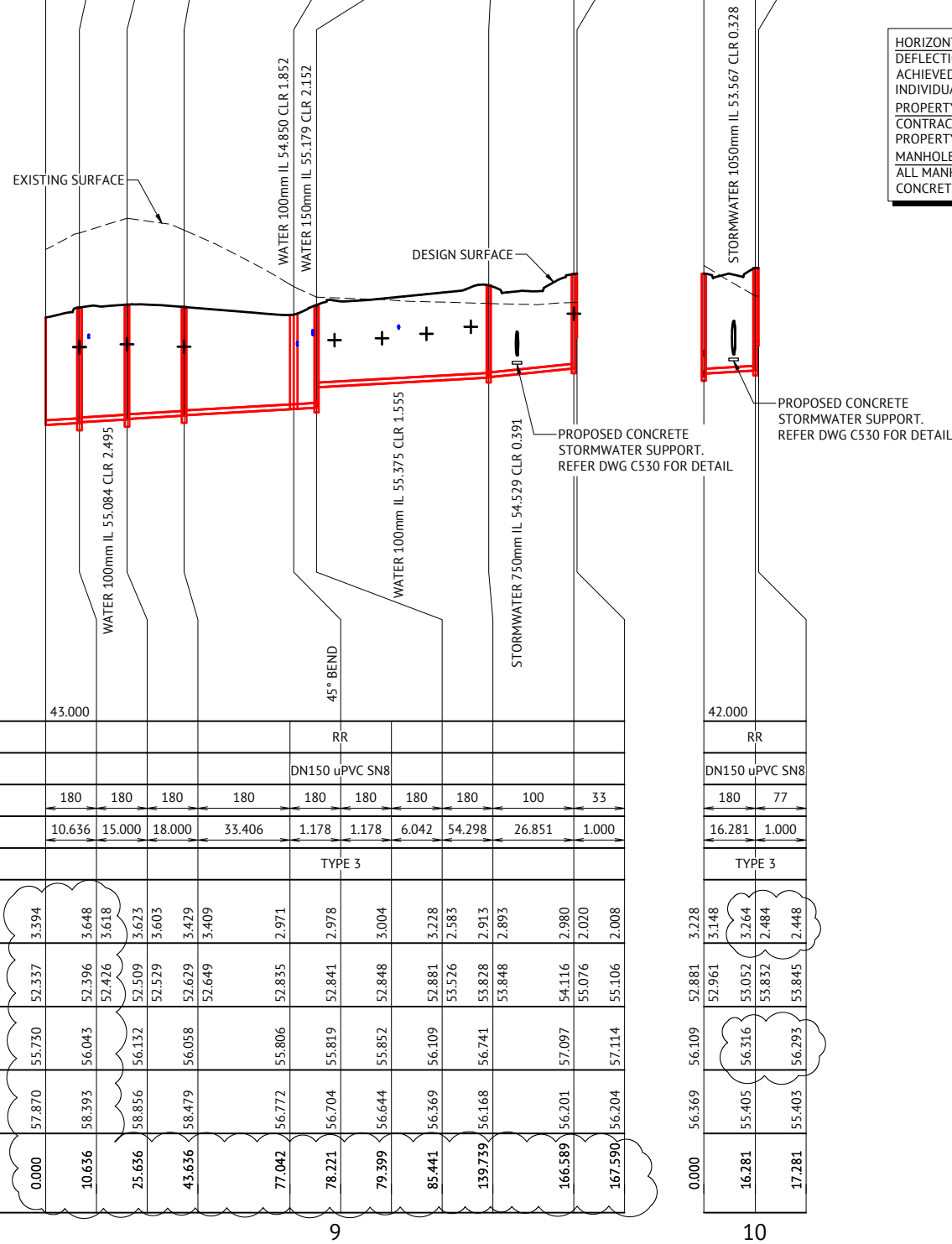
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2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.

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



DATUM RL

PROPERTY DESCRIPTION	RR										RR				
PIPE SIZE (mm), CLASS	DN150 uPVC SN8										DN150 uPVC SN8				
GRADE (1 IN X)	180	180	180	180	180	180	180	180	100	33	180	77			
LENGTH	10.636	15.000	18.000	33.406	1.178	1.178	6.042	54.298	26.851	1.000	16.281	1.000			
EMBEDMENT TYPE	TYPE 3										TYPE 3				
DEPTH OF INVERT BELOW FSL	3.394	3.648	3.618	3.623	3.603	3.429	3.409	2.971	2.978	3.004	3.228	3.148	3.264	2.484	2.448
INVERT LEVEL (IL)	52.337	52.396	52.426	52.509	52.579	52.629	52.649	52.835	52.841	52.848	52.881	52.961	53.052	53.832	53.845
FINISHED SURFACE LEVEL (FSL)	55.730	56.043	56.132	56.058	56.058	55.806	55.819	55.852	56.109	56.741	57.097	56.109	56.316	56.293	56.204
EXISTING SURFACE LEVEL (ESL)	57.870	58.393	58.856	58.479	56.772	56.704	56.644	56.369	56.168	56.201	56.204	56.369	55.405	55.403	55.403
CHAINAGE (CH)	0.000	10.636	25.636	43.636	77.042	78.221	79.399	85.441	139.739	166.589	167.590	0.000	16.281	17.281	

LINE

9

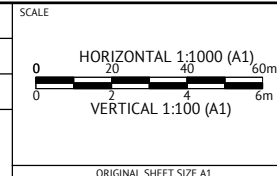
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FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION - MINOR UPDATES TO LONG SECTIONS	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

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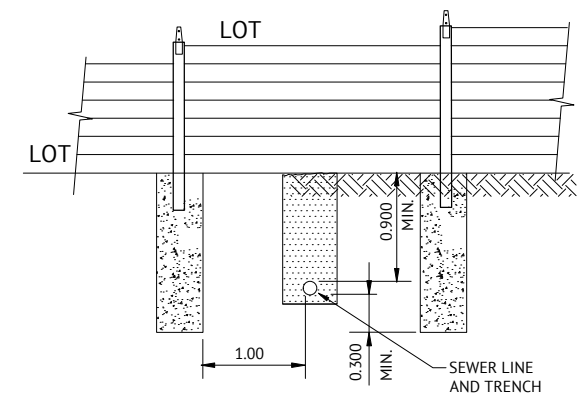
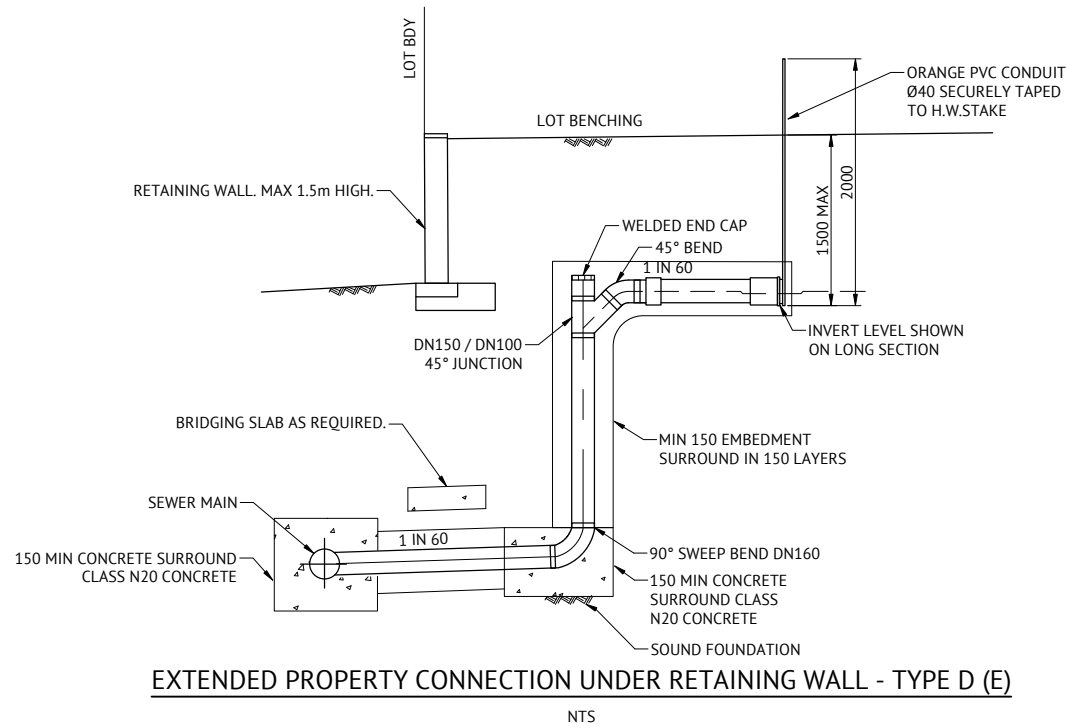
CLIENT	MIRVAC QLD PTY LTD	JOB CODE	MIR-1001
PROJECT	EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT	SHEET NUMBER	C523
LOCATION	TEVIOT ROAD, GREENBANK	REV	B
SHEET TITLE	SEWERAGE LONG SECTIONS - SHEET 4		

LIVE SEWER WORKS

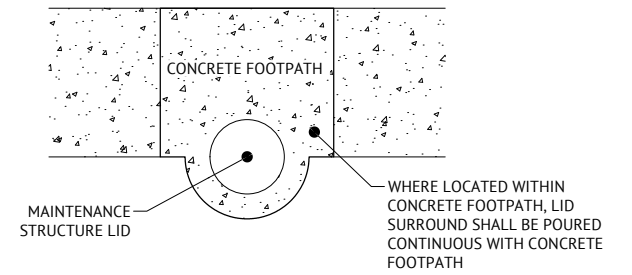
No.	DESCRIPTION	DIA. SEWER	MH NO.	MH TYPE	COVER TYPE	LOT NO.	F.S.L.	E.S.L.	I.L.	DEPTH
1(A)	0.5m FROM STUB END CAP TE2/3A, CONSTRUCTOR TO LAY NEW LINE 3A. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY.	150	TE2/3A	END	-	4093	55.730	57.870	52.337	3.394
1(B)	AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 3A AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.									

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

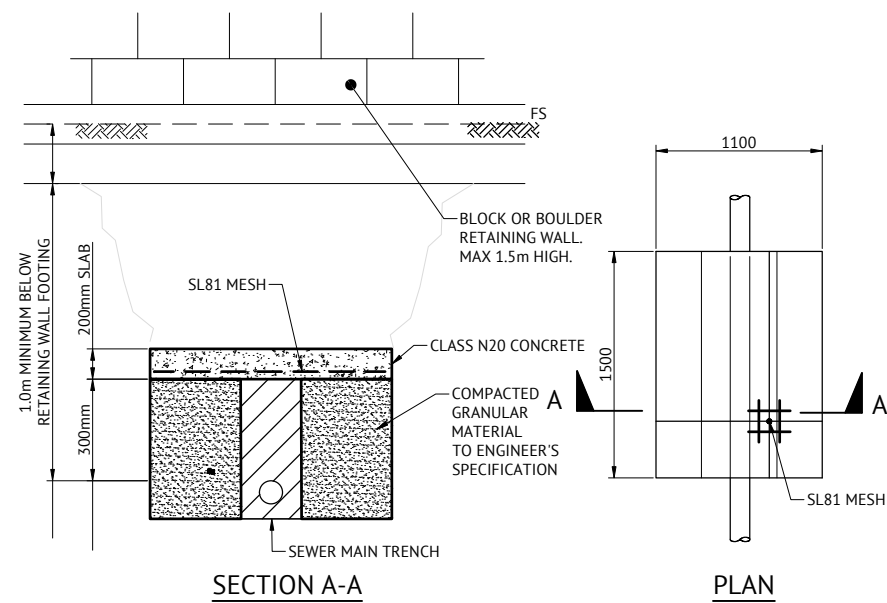
CONSULTING ENGINEERS ARE TO CONTACT PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR THIS WORK TO BE CARRIED OUT. (EXCAVATION, SAFE-SHORTING AND ASSOCIATED WORK BY CONTRACTOR). EXCAVATION WORKS CARRIED OUT BY CONTRACTORS AT DEPTH OF 1.5m OR GREATER MUST PROVIDE A "SAFE WORK PLAN" AS PER WORKPLACE 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.



SEWER LINE CROSSING CONCRETE SLEEPER RETAINING WALL BRIDGING SLAB DETAIL
NTS



TYPICAL MAINTENANCE STRUCTURE IN CONCRETE FOOTPATH DETAIL
NTS



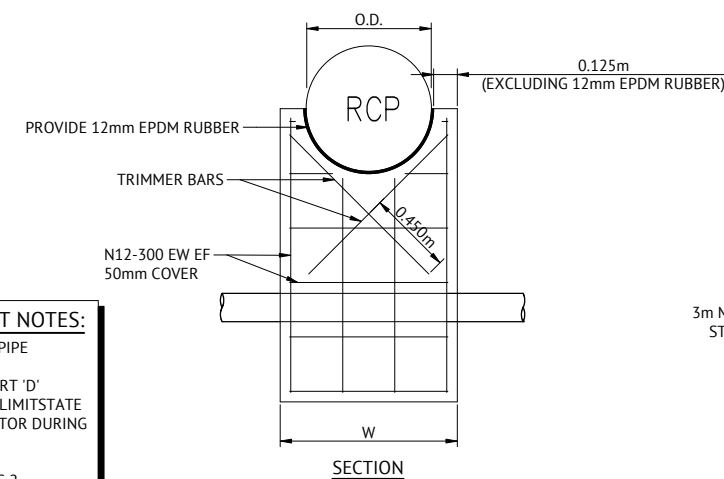
SERVICE LINE CROSSING BOULDER OR BLOCK RETAINING WALL BRIDGING SLAB DETAIL
NTS

GENERAL CONCRETE STORMWATER SUPPORT NOTES:

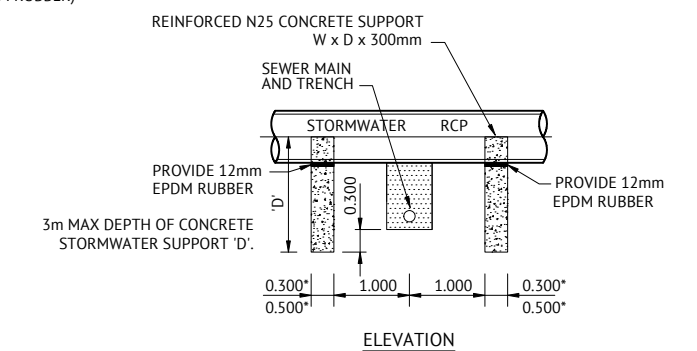
- SUPPORTS TO BE INSTALLED WHERE STORMWATER PIPE DIAMETER IS EQUAL TO OR GREATER THAN 600mm.
- 3m MAX DEPTH OF CONCRETE STORMWATER SUPPORT 'D'
- DESIGN BASED ON ACHIEVING 100kPa OF ULTIMATE LIMIT STATE BEARING CAPACITY. TO BE CONFIRMED BY CONTRACTOR DURING CONSTRUCTION.
- 0.300m* WIDTH UP TO 1050 RCP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

CONCRETE STORMWATER SUPPORT IN ROCK NOTES

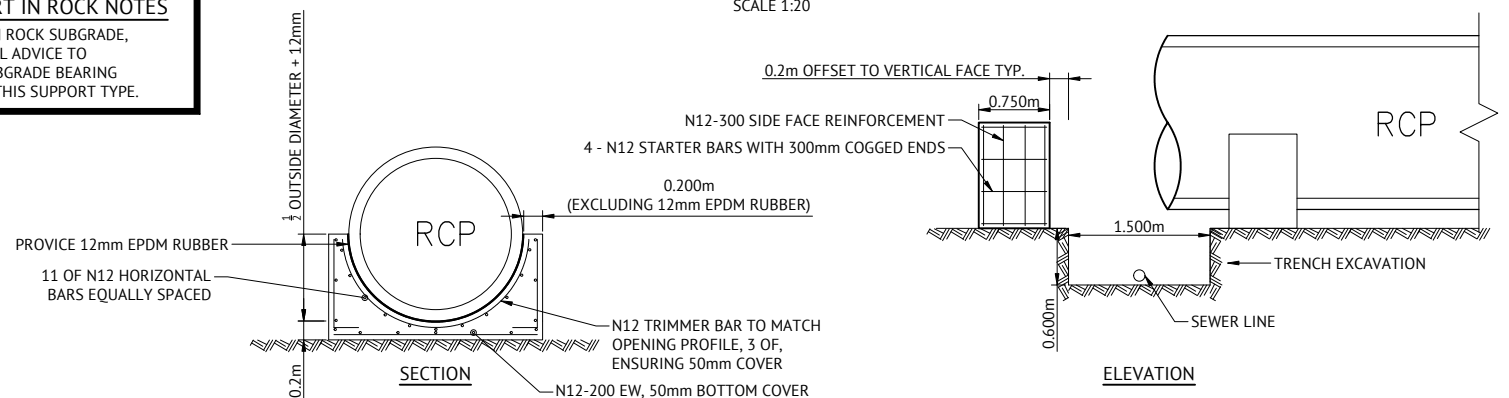
WHERE BRIDGING STRUCTURE IS LOCATED IN ROCK SUBGRADE, CONTRACTOR SHALL PROVIDE GEOTECHNICAL ADVICE TO SUPERINTENDENT ADVISING IF SUITABLE SUBGRADE BEARING CAPACITY CAN BE ACHIEVED TO FACILITATE THIS SUPPORT TYPE.



CONCRETE STORMWATER SUPPORT TYPICAL DETAIL
SCALE 1:20



CONCRETE STORMWATER SUPPORT IN ROCK SUBGRADE DETAIL
SCALE 1:40



CONCRETE STORMWATER SUPPORT IN ROCK SUBGRADE DETAIL
SCALE 1:40

STRUCTURAL DETAILS APPROVED DATE
ARTHUR ROWSON 28/08/2023
RPEQ 12412

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK PB
05/12/2022	A	ORIGINAL ISSUE	KK PB

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RPEQ 7112

SCALE
NTS
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE NOTES AND DETAILS

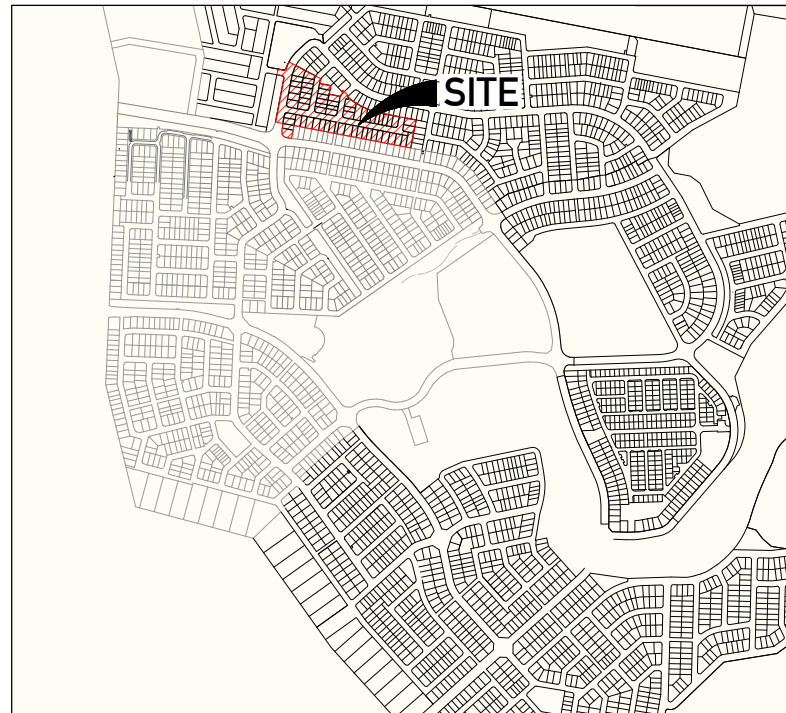
JOB CODE
MIR-1001
SHEET NUMBER
C530
REV
B

EVERLEIGH PRECINCT 10.1 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

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL. COVER OF MAIN FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
- CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
- 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
- ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS, WHERE POSSIBLE
- 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.
- 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.
- CONSTRUCT THRUST BLOCKS ON ALL BENDS, TEES, TAPERS AND DEAD ENDS IN ACCORDANCE WITH SEQ-WAT-1205-1, AND SEQ-WAT-1206-1.
- 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.
- INSTALL SCOURS IN ACCORDANCE WITH SEQ-WAT-1307-3.
- INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES.
- INSTALL HYDRANTS IN ACCORDANCE WITH SEQ-WAT-1302-1, SEQ-WAT-1303-1
- INSTALL PAVEMENT MARKERS IN ACCORDANCE WITH SEQ-WAT-1300-1 & 2.
- 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.
- 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.
- THE POLYETHYLENE SERVICE LINE MUST COMPLY WITH AS/NZ4130 SERIES 1 DN20 PN16.
- TAPPING BANDS MUST BE USED WHEN PROVIDING CONNECTION, UNLESS OTHERWISE APPROVED BY COUNCIL.
- 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.

- 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

- TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- 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.
- 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.
- ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

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

CREEK CROSSINGS

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

REHABILITATION

- PRE-DISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- 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.
- ALL DISTURBED AREAS ARE TO BE LEFT IN STABLE CONDITION.
- ALL PLANTING/RE-VEGETATION WILL NEED TO BE MAINTAINED THROUGHOUT THE MAINTENANCE PERIOD.

CONSTRUCTION REQUIREMENTS

- LIVE WATER CONNECTIONS TO BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH A VALID NETWORK ACCESS PERMIT UNDER LOGAN WATER SUPERVISION AT DEVELOPERS EXPENSE AT LOCATION MARKED.
- PRIOR TO ANY EXCAVATION, CONTRACTOR IS TO LOCATE ACTUAL POSITIONS OF PUBLIC SERVICE UTILITIES BY POT HOLES.
- 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.
- 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 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.

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



FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

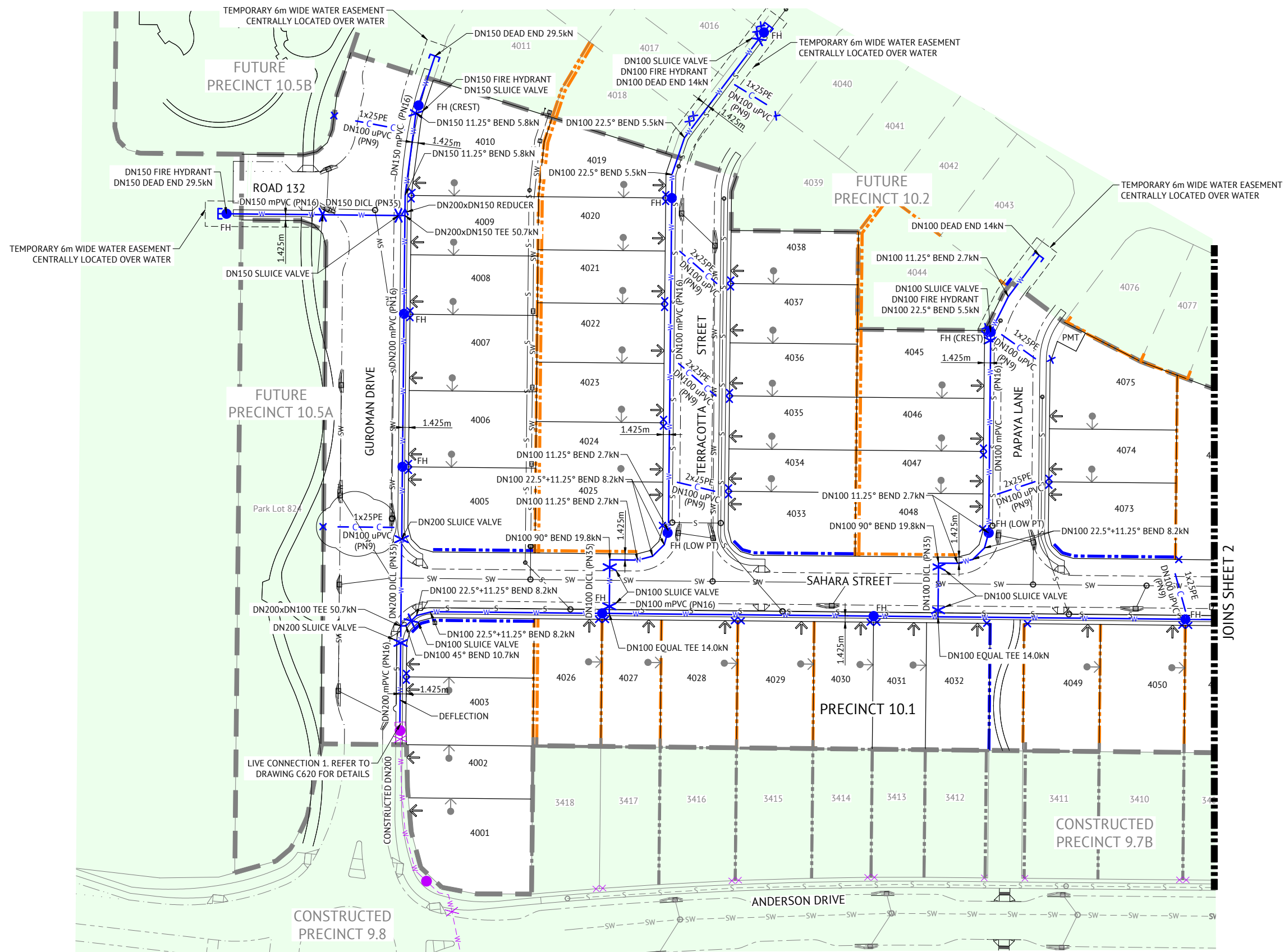
Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

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

SCALE
 0 200 400 600m
 SCALE 1:10000 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
 MIRVAC QLD PTY LTD
 PROJECT
 EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
 TEVIOT ROAD, GREENBANK
 SHEET TITLE
 WATER RETICULATION LOCALITY PLAN & NOTES

JOB CODE
 MIR-1001
 SHEET NUMBER
 C600
 REV
 B



- ### LEGEND - PROPOSED
- POTABLE WATERMAIN
 - POTABLE WATER RETICULATION SERVICE WITHIN DN100 uPVC (PN9) CONDUIT
 - WATER SERVICES & WATER METER BOX POINT, METER BY OTHERS
 - SLUIICE VALVE
 - FIRE HYDRANT
 - TEST POINT
 - DEAD END
 - DEFLECTION
 - TRUNCATIONS 5 DEGREES OR LESS
 - LOT NUMBER
 - STORMWATER
 - GRAVITY SEWER
 - ZERO LOT BOUNDARY
 - PREFERRED DRIVEWAY LOCATION (BY OTHERS)
 - SITE BOUNDARY
 - PROPOSED CONCRETE SLEEPER RETAINING WALL
 - PROPOSED CONCRETE PANEL RETAINING WALL
 - PROPOSED CONCRETE FOOTPATH & KERB RAMP
 - PADMOUNT TRANSFORMER

- ### LEGEND - CONSTRUCTED
- WATER
 - SLUIICE VALVE
 - FIRE HYDRANT
 - TEST POINT
 - DEAD END
 - WATER METER
 - STORMWATER
 - GRAVITY SEWER

LAYOUT PLAN
SCALE 1:500

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.

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 WATER RETICULATION NOTES, REFER DWG No. C600

FOR CONSTRUCTION			
DATE	REV	DESCRIPTION	REVISIONS
18/08/2023	B	ISSUED FOR CONSTRUCTION - PARK LOT 824 WATER METER MOVED	KK PB
05/12/2022	A	ORIGINAL ISSUE	KK PB

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: 1:500 (A1)

 ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC QLD PTY LTD
 PROJECT: EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION: TEVIOT ROAD, GREENBANK
 SHEET TITLE: WATER RETICULATION LAYOUT PLAN - SHEET 1

JOB CODE: MIR-1001
 SHEET NUMBER: C610
 REV: B

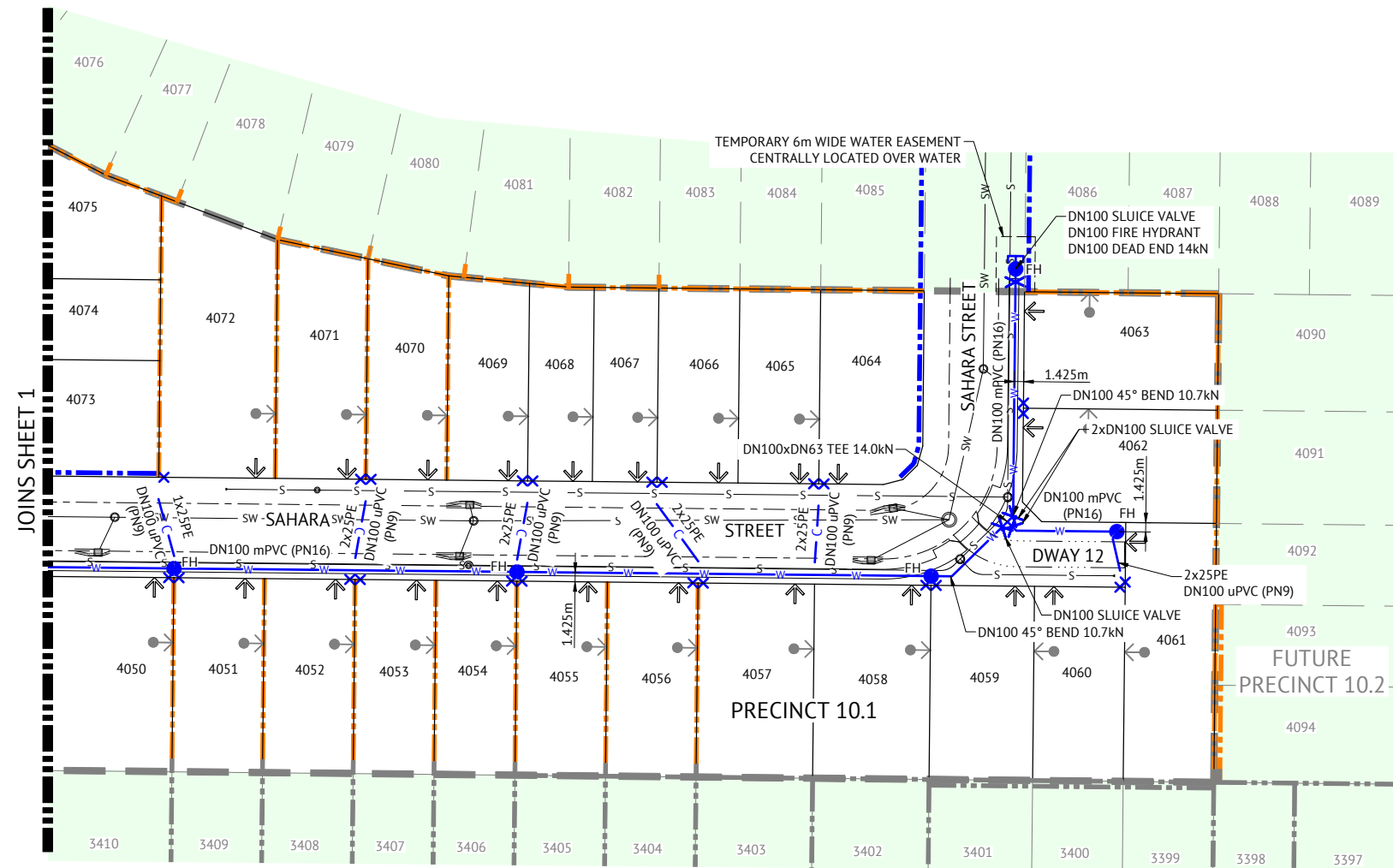


LEGEND - PROPOSED

- POTABLE WATERMAIN
- 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
- LOT NUMBER
- STORMWATER
- GRAVITY SEWER
- ZERO LOT BOUNDARY
- PREFERRED DRIVEWAY LOCATION (BY OTHERS)
- SITE BOUNDARY
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED CONCRETE FOOTPATH & KERB RAMP
- PADMOUNT TRANSFORMER

LEGEND - CONSTRUCTED

- WATER
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- DEAD END
- WATER METER
- STORMWATER
- GRAVITY SEWER



LAYOUT PLAN
SCALE 1:500

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: _____ DATE: _____
 NAME of SIGNATORY: _____
 RPEQ No. or LICENCE: _____
 COMPANY NAME: _____
 START DATE: _____

FOR WATER RETICULATION NOTES, REFER DWG No. C600

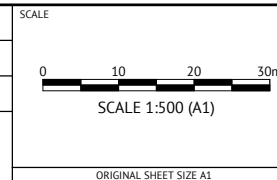
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
18/08/2023	C	ISSUED FOR CONSTRUCTION	KK	PB
01/05/2023	B	UPDATED AS PER RFI DATED 27/02/23	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

Premise
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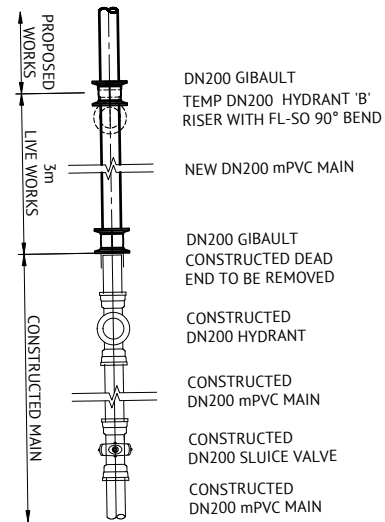
DESIGNED
KLYNT KIWANG
 CHECKED
ANDREW LANGDON
 PROJECT MANAGER
NICK SOMERVILLE
 PROJECT DIRECTOR

 PATRICK BRADY RPEQ 7112

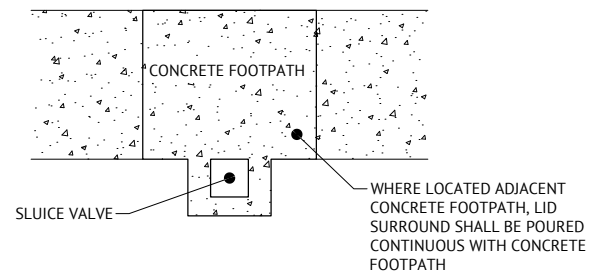


CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
WATER RETICULATION LAYOUT PLAN - SHEET 2

JOB CODE
MIR-1001
 SHEET NUMBER
C611
 REV
C



LIVE CONNECTION 1 DETAIL
SCALE 1:25



TYPICAL SLUICE VALVE ADJACENT CONCRETE FOOTPATH DETAIL
NTS

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
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ORIGINAL ISSUE	KK	PB

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

SCALE
0 0.5 1.0 1.5m
SCALE 1:25 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
WATER LIVE CONNECTION AND TYPICAL DETAILS

JOB CODE
MIR-1001
SHEET NUMBER
C620
REV
B



- LEGEND - PROPOSED**
- 12.0 — FINISHED CONTOURS AND LABELS
 - SW — STORMWATER
 - - - CATCHMENT BOUNDARY (PRE-DEVELOPED)
 - - - PRECINCT BOUNDARY
 - - - PRECINCT BOUNDARY (FUTURE/EXISTING)
 - CATCHMENT A = 4.13ha CATCHMENT NAME AND AREA
- LEGEND - CONSTRUCTED**
- - - SW - - - STORMWATER

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

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

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION GUIDELINES.
Terry Clark TERRY CLARK (CPESC 6089)

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	[Color: Green]											
LOW RISK: 30+ TO 45mm	[Color: Yellow]											
MODERATE RISK: 45+ TO 100mm	[Color: Orange]											
HIGH RISK: 100+ TO 225mm	[Color: Red]											
EXTREME RISK: >225mm	[Color: Purple]											

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	7.50	2627	0.050	80	8.0	2.05	1.3	1.00	350	2,625	TYPE 1
catchment B	0.24	2627	0.050	80	6.5	2.05	1.3	1.00	350	84	TYPE 2

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK PB
05/12/2022	A	ISSUED FOR APPROVAL	KK PB

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

DESIGNED DONNY WANG
CHECKED MARK DAVIS
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 10.1 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE EROSION AND SEDIMENT CONTROL - EXISTING CATCHMENTS

JOB CODE MIR-1001
SHEET NUMBER C700
REV B



NOTE:
 CLEARING OF CATCHMENTS EXTERNAL TO PRECINCT 10.1 TO BE PER MIR-1010.
 BASIN B SIZING AND CLEAN WATER DIVERSION (VIA CWD-B1) TO BE PER MIR-1010.

UTILISE DWD-B1 AND DWD-B2 CONSTRUCTED AS PART OF PRECINCT 8 & 10 TO DIRECT RUNOFF TO BASIN B CLEARING AND GRUBBING. REFER MIR-1010 FOR DETAILS.

INSTALL 400mm THICK, D50-200mm ROCK PROTECTION AT STORMWATER OUTLET WITH BIDIM A34 GEOTEXTILE UNDERLAY OR EQUIVALENT. 2.5m LONG AND IN ACCORDANCE WITH IECA STD DWGS OS-01 AND OS-02

DWD-2 TO FUNCTION AS CLEAN WATER DRAIN FROM OUTLET OF STORMWATER ONCE PIPEWORK COMPLETED AND UPSLOPE CATCHMENT STABILISED.

USE EXISTING ROAD BOX TO DIRECT RUNOFF TO SEDIMENT BASIN B PRIOR TO RAINFALL. LINE WITH SOIL BINDER. IF DISPERSIVE SOIL TREATMENT UNDERTAKEN, ROCK CHECKS CAN BE INSTALLED WITHIN ROAD BOX AS ALTERNATIVE TO SOIL BINDER PRIOR TO RAINFALL.

DURING BULK EARTHWORKS USE ROAD BOX TO DIRECT RUNOFF TO DWD-B1.

CATCHMENT B FLOWS TO EXISTING SEDIMENT BASIN (HES BASIN 2) CONSTRUCTED AS PART OF P9.4 ESC WORKS.

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 C704) 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 BIDIM 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.

LEGEND - PROPOSED

- EXTENT OF CUT
- EXTENT OF FILL
- MULCH BERM
- DIRTY WATER DIVERSION DRAIN/BUND
- FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- PRECINCT BOUNDARY
- FLOW DIRECTION OR RUNOFF

- CONCRETE SLEEPER RETAINING WALL
- CONCRETE PANEL RETAINING WALL
- PRECINCT BOUNDARY

LEGEND - EXISTING

- MAJOR CONTOURS (1.00m)
- MINOR CONTOURS (0.50m)
- STORMWATER

NOTE:
 REFER TO DWG C720 FOR DRAIN SIZING AND DETAILS.

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. CONTRACTOR TO ENSURE STORMWATER DRAINAGE IS COVERED AT ALL TIMES DURING EARTHWORKS PHASE.

ROCK CHECK DAM NOTE:
 INSTALL ROCK CHECK DAM WITHIN ROAD BOX AT MAXIMUM 20m SPACING IN ACCORDANCE WITH IECA DWG RCD-01.

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION GUIDELINES.
 TERRY CLARK (CPESC 6089)

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK	PB
05/12/2022	A	ISSUED FOR APPROVAL	KK	PB
			REC	APP

Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
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DESIGNED
DONNY WANG
 CHECKED
MARK DAVIS
 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 10.1 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
EROSION AND SEDIMENT CONTROL - BULK EARTHWORKS PHASE

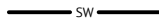


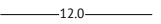








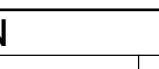

JOB CODE
MIR-1001
 SHEET NUMBER
C701
 REV
B






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

LEGEND - PROPOSED

	PROPOSED STORMWATER		FINISHED MAJOR CONTOURS (0.50m)
	100mm THICK TOPSOIL RESPREAD AND DRILL SEEDING. APPLY BINDER IMMEDIATELY AFTER DRILL SEEDING		FINISHED MINOR CONTOURS (0.25m)
	100mm THICK TOPSOIL AND TURF		PRECINCT BOUNDARY
	50mm TOPSOIL AND GRASS SEEDING. APPLY SOIL BINDER IMMEDIATELY AFTER SEEDING AND CONTINUE TO APPLY BINDER AS REQUIRED TO MINIMISE EROSION. ALTERNATIVELY APPLY HYDROMULCH		PRECINCT BOUNDARY (FUTURE/EXISTING)
	NO TOPSOIL AND POLYMER SPRAY (LOTS AS PART OF FUTURE PRECINCT 8)		MAJOR CONTOURS (1.00m)
	GULLY INLET PROTECTION. REFER DETAIL IECA DRAWING ESC-03 FOR DETAILS.		MINOR CONTOURS (0.50m)
	FIELD INLET PROTECTION. REFER DETAIL IECA DRAWING ESC-02 FOR DETAILS.		STORMWATER

LEGEND - EXISTING

	MAJOR CONTOURS (1.00m)
	MINOR CONTOURS (0.50m)
	STORMWATER

DRAIN NOTE
DRAIN SHOWN ON PLAN TO BE MAINTAIN UNTIL THE CONSTRUCTION OF FUTURE PRECINCT

TURFING AND TOPSOIL NOTE
CONTRACTOR SHALL RESPREAD AMELIORATED TOPSOIL (AMELIORATION REQUIREMENTS AS DIRECTED BY SUPERINTENDENT) TO VERGES AT A THICKNESS OF 100mm. TURFING TO VERGES SHALL BE UNDERTAKEN BY THE CIVIL CONTRACTOR.

- NOTES**
- REFER EROSION AND SEDIMENT CONTROL NOTES AND DETAILS DRAWINGS.
 - ALL FOOTPATHS ARE TO BE FULLY TURFED AS SOON AS PRACTICAL.
 - CONTRACTOR TO ENSURE THAT GRASS SEEDING SUFFICIENT STRIKE AND COVERAGE IN ACCORDANCE WITH LOGAN CITY COUNCIL STANDARDS.
 - FOR STABILISATION MEASURES OF FUTURE PRECINCTS, REFER TO MIR-1001 C703 EROSION AND SEDIMENT CONTROL LAYOUT - STABILISATION PHASE

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

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION GUIDELINES.
Terry Clark TERRY CLARK (CPESC 6089)

FOR CONSTRUCTION			
DATE	REV	DESCRIPTION	REVISIONS
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK PB
05/12/2022	A	ISSUED FOR APPROVAL	KK PB
			REC APP

Premise
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CHECKED
MARK DAVIS
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
Patrick Brady
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 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
EROSION AND SEDIMENT CONTROL - STABILISATION PHASE

JOB CODE
MIR-1001
SHEET NUMBER
C702
REV
B

ROLES AND RESPONSIBILITIES

ROLE	RESPONSIBILITY
PROJECT MANAGER	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 AND AUDITS (AS REQUIRED) • INSPECT ESC INSTALLATION AND MAINTENANCE • INSPECT OFFSITE IMPACTS AND MANAGEMENT • PROVIDE ADVICE REGARDING ESC SITE IMPROVEMENT (AS REQUIRED)
ALL PERSONNEL	<ul style="list-style-type: none"> • 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

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 EROSION 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.
8. THE CONTRACTOR SHALL APPOINT AN APPROPRIATELY EXPERIENCED PERSON TO BE MADE RESPONSIBLE FOR IMPLEMENTATION OF THE ESC.
9. 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.
10. 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 OF ANY SEDIMENT OF FILL IN A MANNER THAT WILL NOT CREATE AN EROSION OR POLLUTION HAZARD.

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 FROM 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 TERRY CLARK (CPESC 6089)

FOR CONSTRUCTION				<p>BRISBANE OFFICE LEVEL 11, 300 ADELAIDE STREET BRISBANE, QLD 4000 PH: (07) 3253 2222 WEB: www.premise.com.au</p>	DESIGNED DONNY WANG	SCALE	CLIENT MIRVAC QLD PTY LTD		JOB CODE
18/08/2023	B	ISSUED FOR CONSTRUCTION	KK		PB		CHECKED MARK DAVIS	PROJECT EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT	LOCATION TEVIOT ROAD, GREENBANK
05/12/2022	A	ISSUED FOR APPROVAL	KK	PB	PROJECT MANAGER NICK SOMERVILLE	SHEET NUMBER	REV		
DATE	REV	DESCRIPTION	REC	APP	PROJECT DIRECTOR <i>PKB</i> PATRICK BRADY	SHEET TITLE EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	C710	B	
REVISIONS				RPEQ 7112		ORIGINAL SHEET SIZE A1			

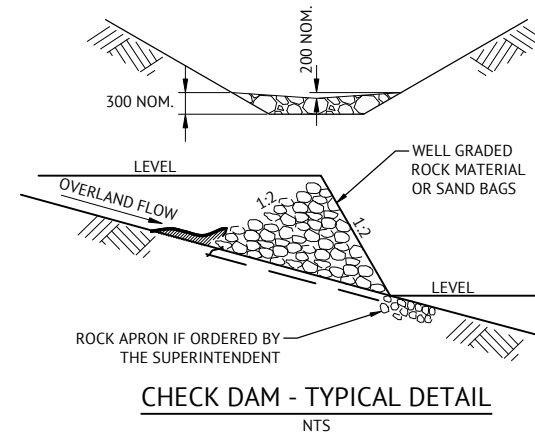
DRAIN CALCULATION TABLE

DRAIN ID	CATCH AREA (HA)	ARI	CARI	TIME OF CONC (MINS)	IARI	FLOW - Q (m ³ /s)	LONG. SLOPE (m/m)	BASE WIDTH	SIDE SLOPE 1 (1 in x)	SIDE SLOPE 2 (1 in x)	LINING	MANNING ROUGH COEFF	MAX PERM VEL (m/s)	DESIGN VEL (m/s)	DEPTH OF FLOW (m)	DEPTH WITH F/BOARD (m)	DRAIN TOP WIDTH (m)
DWD-1	1.33	2	0.6	10	108	0.24	0.09	1.2	2	2	Vital HR - 2L/m ²	0.02	2.5	2.42	0.07	0.22	2.09
DWD-2	6.48	2	0.6	20	79	0.85	0.07	2	2	2	Turf	0.04	2	1.92	0.19	0.34	3.35

DRAIN SIZING SUMMARY TABLE

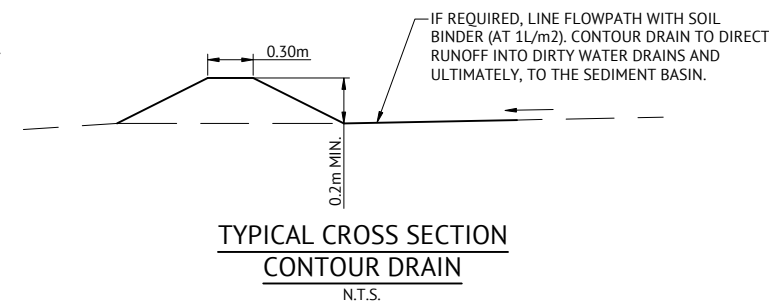
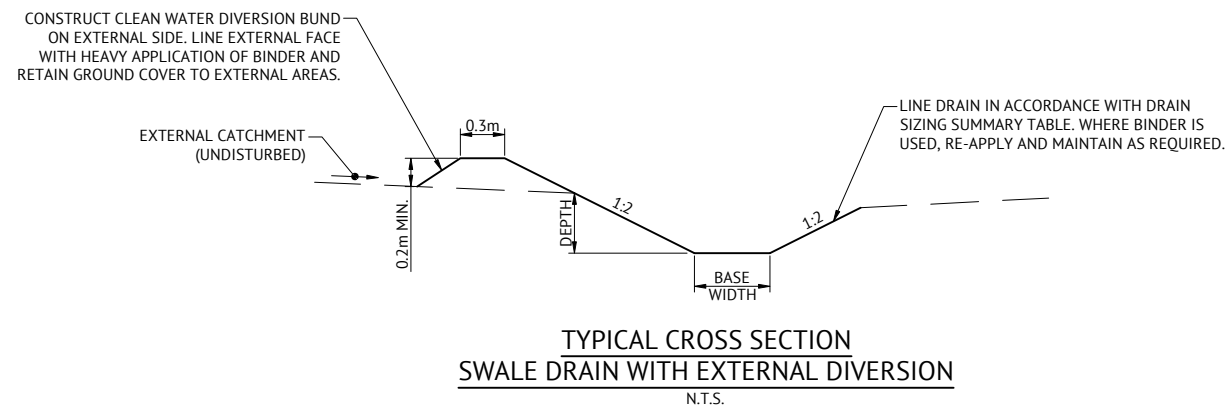
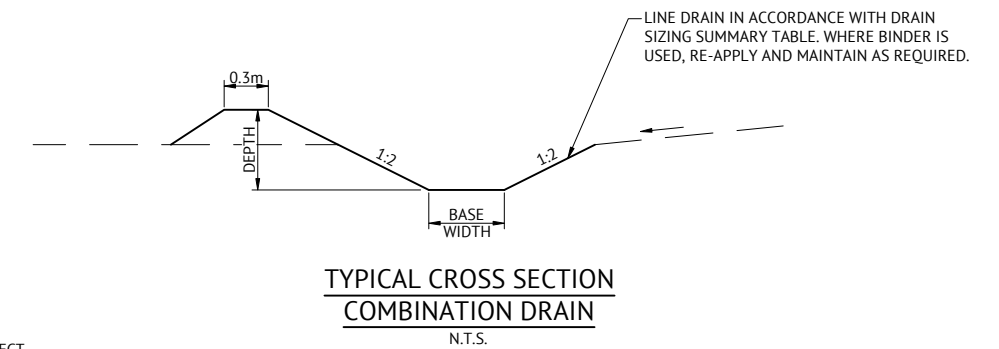
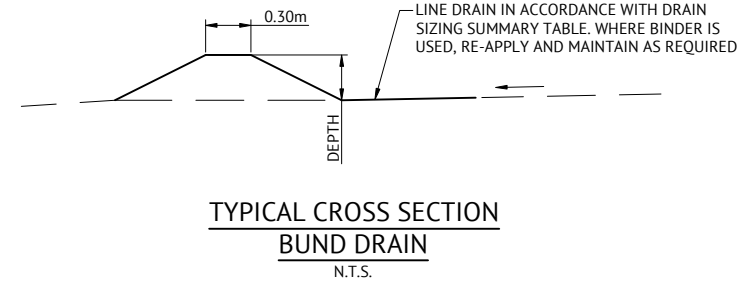
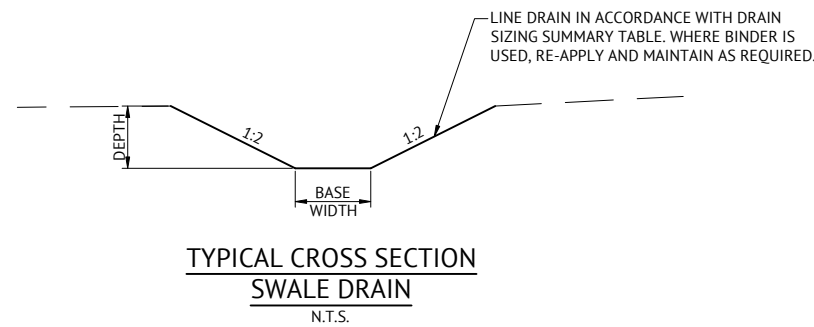
DRAIN ID	MINIMUM DEPTH (m)	BASE WIDTH (m)	BATTER SLOPE (1 IN...)	TEMPORARY DRAIN LINING
DWD-01	0.30	1.20	2.0	VITAL HR (OR EQUIVALENT) APPLIED AT A MINIMUM 20% DILLUTION (2L OF POLYMER PER 1 SQM OF DRAINAGE SWALE). ALTERNATIVELY VITAL STONEWALL (OR EQUIVALENT), APPLIED AT A MINIMUM 40% DILLUTION (4L OF POLYMER PER 1 SQM OF DRAINAGE SWALE). APPLICATION OF POLYMER WITHIN DWD-02 TO BE UNDERTAKEN UNTIL TURF INSTALLED AS POST BULK EARTHWORKS TEMPORARY LINING OPTION.
DWD-02	0.35	2.00	2.0	

NOTE: DRAIN SIZING (INCLUDING DEPTH NOMINATED ABOVE) DOES NOT ACCOUNT FOR INSTALLATION OF CHECK DAMS. THE NOMINATED DRAIN LINING IS BASED ON CALCULATED VELOCITIES AND IS SUFFICIENT TO FUNCTION IN A NON-EROSIVE MANNER WITHOUT CHECK DAMS. IF CHECK DAMS ARE TO BE INSTALLED, DRAIN DIMENSIONS ARE TO BE INCREASED TO PROVIDE A MINIMUM ADDITIONAL 0.3m DEPTH.



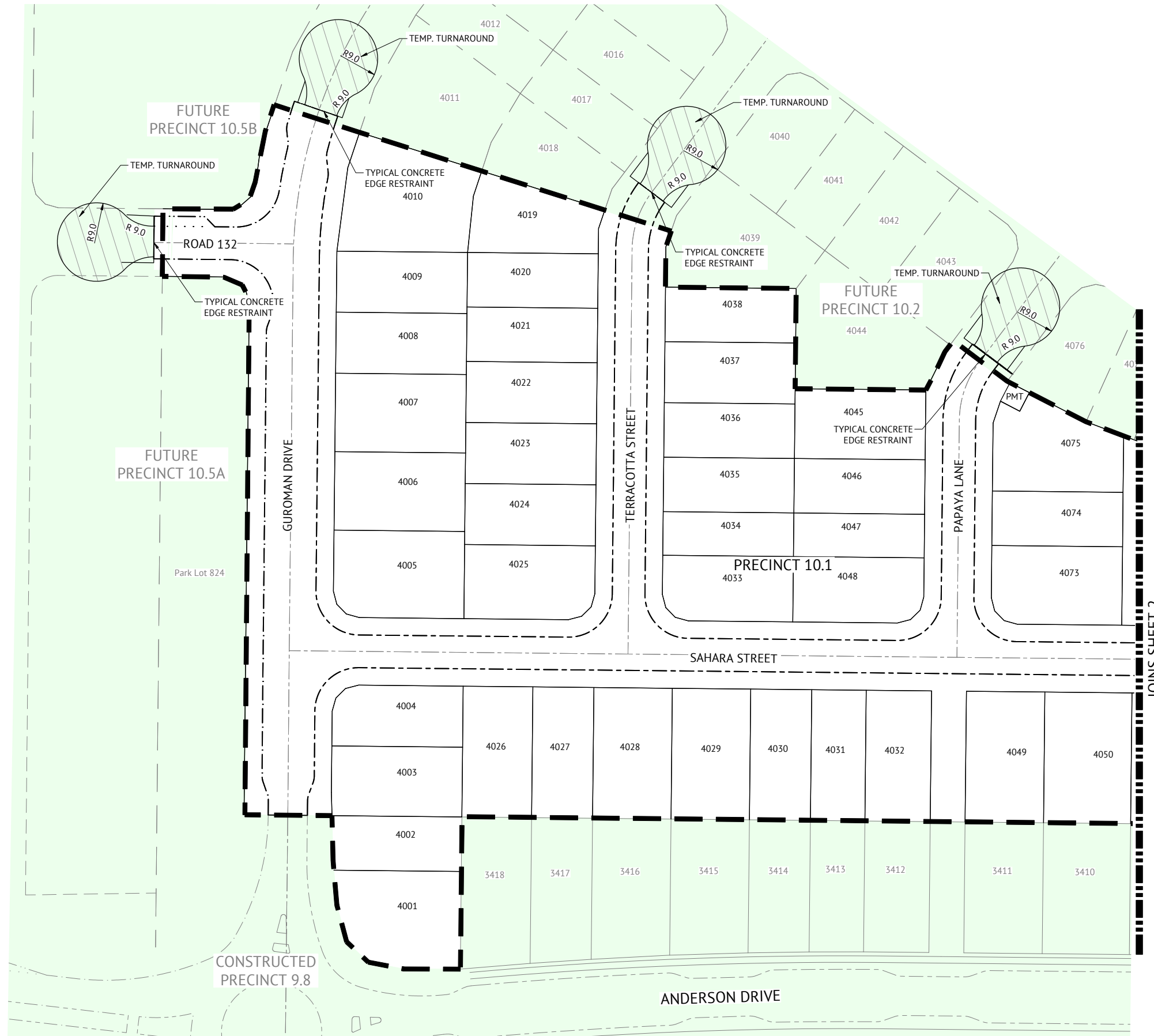
CHECK DAM SPACING - (WHERE ORDERED)

SWALE GRADE (%)	SPACING INTERVAL (m)				
	200mm HIGH	300mm HIGH	400mm HIGH	500mm HIGH	600mm HIGH
0.5	40	60	80	100	120
1.0	20	30	40	50	60
2.0	10	15	20	25	30
3.0	6.7	10	13	17	20
4.0	5.0	7.5	10	13	15
5.0	4.0	6.0	8.0	10	12
10.0	2.0	3.0	4.0	5.0	6.0
15.0	1.3	2.0	2.7	3.3	4.0



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 TERRY CLARK (CPESC 6089)

FOR CONSTRUCTION		<p>BRISBANE OFFICE LEVEL 11, 300 ADELAIDE STREET BRISBANE, QLD 4000 PH: (07) 3253 2222 WEB: www.premise.com.au</p>	DESIGNED DONNY WANG CHECKED MARK DAVIS PROJECT MANAGER NICK SOMERVILLE PROJECT DIRECTOR PATRICK BRADY	SCALE ORIGINAL SHEET SIZE A1	CLIENT MIRVAC QLD PTY LTD PROJECT EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT LOCATION TEVIOT ROAD, GREENBANK SHEET TITLE EROSION AND SEDIMENT CONTROL DRAIN DETAILS	JOB CODE MIR-1001 SHEET NUMBER C720 REV B
18/08/2023 05/12/2022	B A		ISSUED FOR CONSTRUCTION ISSUED FOR APPROVAL	KK KK REC	PB PB APP	

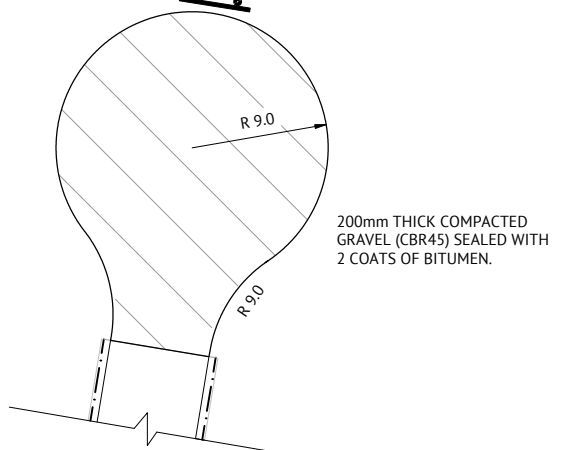
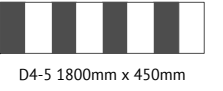


LEGEND

- 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

LAYOUT PLAN
SCALE 1:500

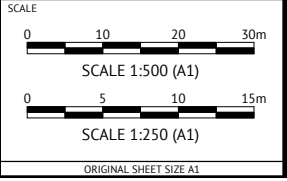
FOR CONSTRUCTION

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05/12/2022	A	ORIGINAL ISSUE	KK	PB



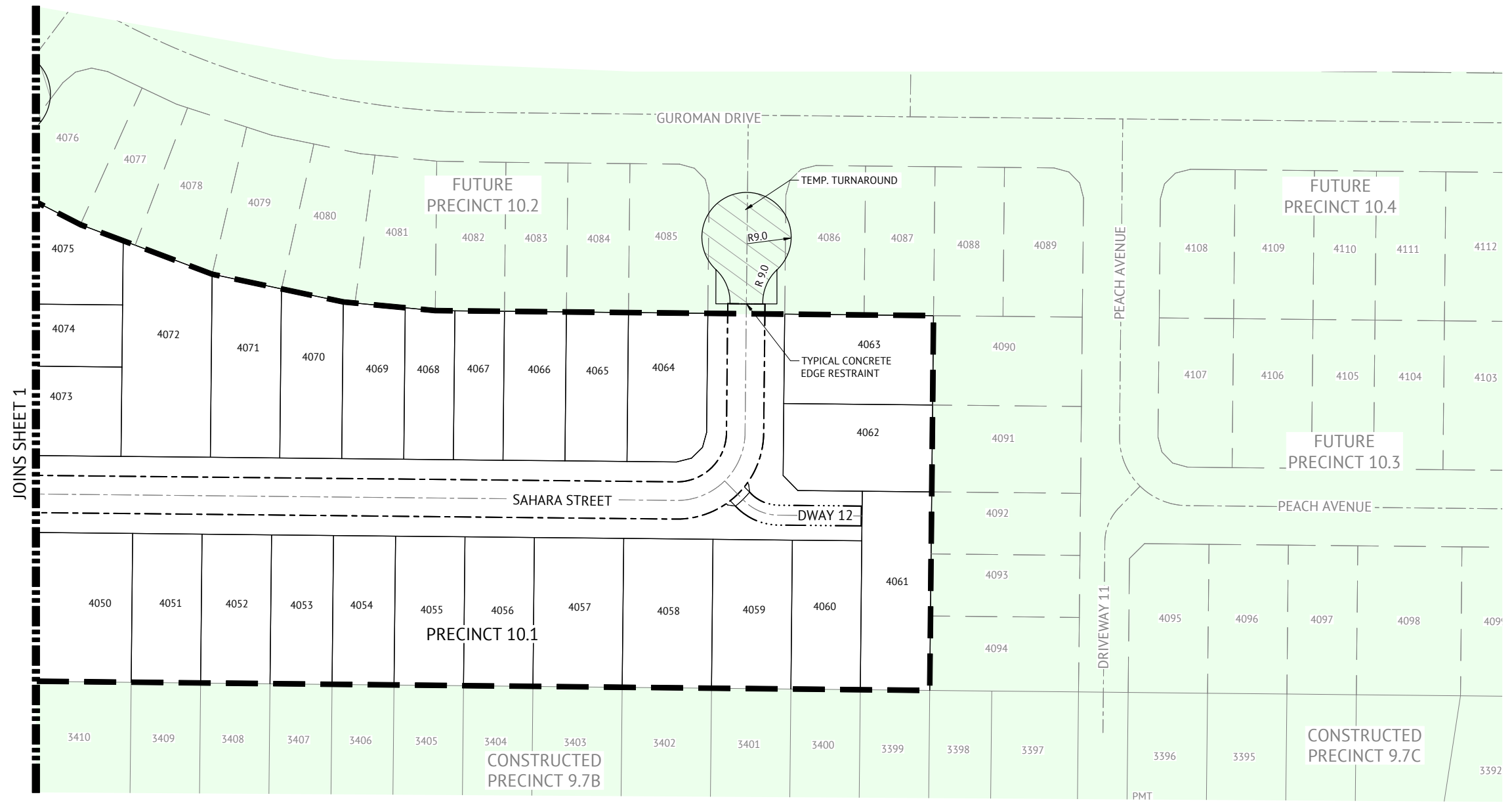
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

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



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 1

JOB CODE
MIR-1001
SHEET NUMBER
C900
REV
B



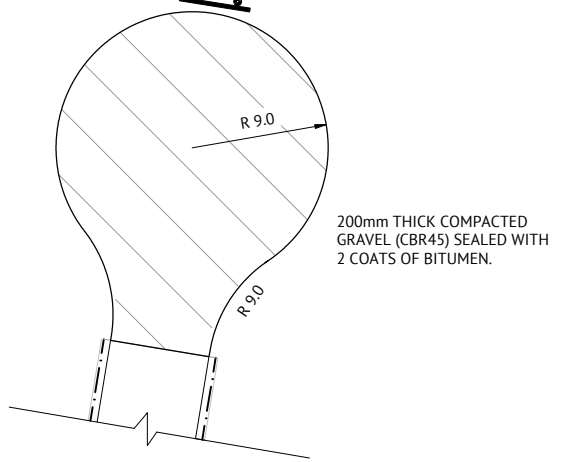
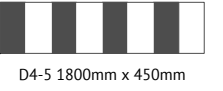
LEGEND

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LAYOUT PLAN
SCALE 1:500



TYPICAL TEMPORARY TURN AROUND DETAIL
SCALE 1:250

FOR CONSTRUCTION

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BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
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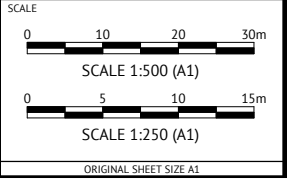
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RPEQ 7112



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MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.1 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 2

JOB CODE
MIR-1001

SHEET NUMBER
C901

REV
B