

SHEET LIST TABLE

SHEET NO.	SHEET TITLE
C001	COVER SHEET
C002	SURVEY SETOUT PLAN
C003	OVERALL SERVICES LAYOUT
C004	SAFETY IN DESIGN
C100	ROADWORKS AND DRAINAGE LAYOUT - SHEET 1 OF 2
C101	ROADWORKS AND DRAINAGE LAYOUT - SHEET 2 OF 2
C200	OVERALL EARTHWORKS LAYOUT PLAN
C201	BULK EARTHWORKS LAYOUT - SHEET 1 OF 2
C202	BULK EARTHWORKS LAYOUT - SHEET 2 OF 2
C210	BULK EARTHWORKS NOTES AND DETAILS - SHEET 1 OF 2
C211	BULK EARTHWORKS NOTES AND DETAILS - SHEET 2 OF 2
C220	EARTHWORKS SUBGRADE ROCK PREPARATION LAYOUT PLAN
C230	HAUL ROADS & CONSTRUCTION WATER DETAILS
C240	PRINCIPAL CONTRACTOR AREAS PLAN
C250	VEGETATION CLEARING SECTIONS & NOTES
C300	ROADWORKS NOTES AND DETAILS
C310	TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 1 OF 5
C311	TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 2 OF 5
C312	TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 3 OF 5
C313	TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 4 OF 5
C314	TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 5 OF 5
C315	SEPIA CIRCUIT LONG & CROSS SECTIONS - SHEET 1 OF 4
C316	SEPIA CIRCUIT LONG & CROSS SECTIONS - SHEET 2 OF 4
C317	SEPIA CIRCUIT LONG & CROSS SECTIONS - SHEET 3 OF 4
C318	SEPIA CIRCUIT LONG & CROSS SECTIONS - SHEET 4 OF 4
C319	KESSELS BOULEVARD LONG & CROSS SECTIONS - SHEET 1 OF 2
C320	KESSELS BOULEVARD LONG & CROSS SECTIONS - SHEET 2 OF 2
C321	DRIVEWAY 3 LONG & CROSS SECTIONS
C325	INTERSECTION DETAILS LAYOUT - SHEET 1 OF 2
C326	INTERSECTION DETAILS LAYOUT - SHEET 2 OF 2
C330	PAVEMENT MARKINGS AND SIGNAGE LAYOUT - SHEET 1 OF 2
C331	PAVEMENT MARKINGS AND SIGNAGE LAYOUT - SHEET 2 OF 2
C400	STORMWATER CATCHMENT LAYOUT
C410	STORMWATER DRAINAGE LONG SECTIONS - SHEET 1 OF 5
C411	STORMWATER DRAINAGE LONG SECTIONS - SHEET 2 OF 5
C412	STORMWATER DRAINAGE LONG SECTIONS - SHEET 3 OF 5
C413	STORMWATER DRAINAGE LONG SECTIONS - SHEET 4 OF 5
C414	STORMWATER DRAINAGE LONG SECTIONS - SHEET 5 OF 5
C420	STORMWATER DRAINAGE NOTES AND DETAILS
C430	STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 1 OF 2
C431	STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 2 OF 2
C440	STORMWATER CALCULATIONS 39% AEP STORM - SHEET 1 OF 3
C441	STORMWATER CALCULATIONS 39% AEP STORM - SHEET 2 OF 3
C442	STORMWATER CALCULATIONS 39% AEP STORM - SHEET 3 OF 3
C443	STORMWATER CALCULATIONS 1% AEP STORM - SHEET 1 OF 3
C444	STORMWATER CALCULATIONS 1% AEP STORM - SHEET 2 OF 3
C445	STORMWATER CALCULATIONS 1% AEP STORM - SHEET 3 OF 3
C500	SEWERAGE LOCALITY PLAN & NOTES
C510	SEWERAGE LAYOUT PLAN - SHEET 1 OF 2
C511	SEWERAGE LAYOUT PLAN - SHEET 2 OF 2
C520	SEWERAGE LONG SECTIONS - SHEET 1 OF 7
C521	SEWERAGE LONG SECTIONS - SHEET 2 OF 7
C522	SEWERAGE LONG SECTIONS - SHEET 3 OF 7
C523	SEWERAGE LONG SECTIONS - SHEET 4 OF 7
C524	SEWERAGE LONG SECTIONS - SHEET 5 OF 7
C525	SEWERAGE LONG SECTIONS - SHEET 6 OF 7
C526	SEWERAGE LONG SECTIONS - SHEET 7 OF 7
C530	SEWERAGE NOTES AND DETAILS
C600	WATER RETICULATION LOCALITY PLAN & NOTES
C610	WATER RETICULATION LAYOUT PLAN - SHEET 1 OF 2
C611	WATER RETICULATION LAYOUT PLAN - SHEET 1 OF 2
C612	WATER NOTES AND DETAILS
C700	OVERALL EROSION & SEDIMENT CONTROL KEY PLAN
C701	EROSION AND SEDIMENT CONTROL - CLEAR AND GRUB PHASE
C702	EROSION AND SEDIMENT CONTROL - BULK EARTHWORKS PHASE
C703	EROSION AND SEDIMENT CONTROL - STABILISATION PHASE
C710	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 1 OF 5
C711	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 2 OF 5
C712	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 3 OF 5
C713	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 4 OF 5
C712	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 5 OF 5
C900	TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 1 OF 2
C901	TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 2 OF 2

EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT TEVIOT ROAD, GREENBANK FOR MIRVAC QLD PTY LTD

GENERAL NOTES

- ALL DIMENSIONS GIVEN ON THESE DRAWINGS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL NEW WORK AND MATERIALS SHALL COMPLY 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

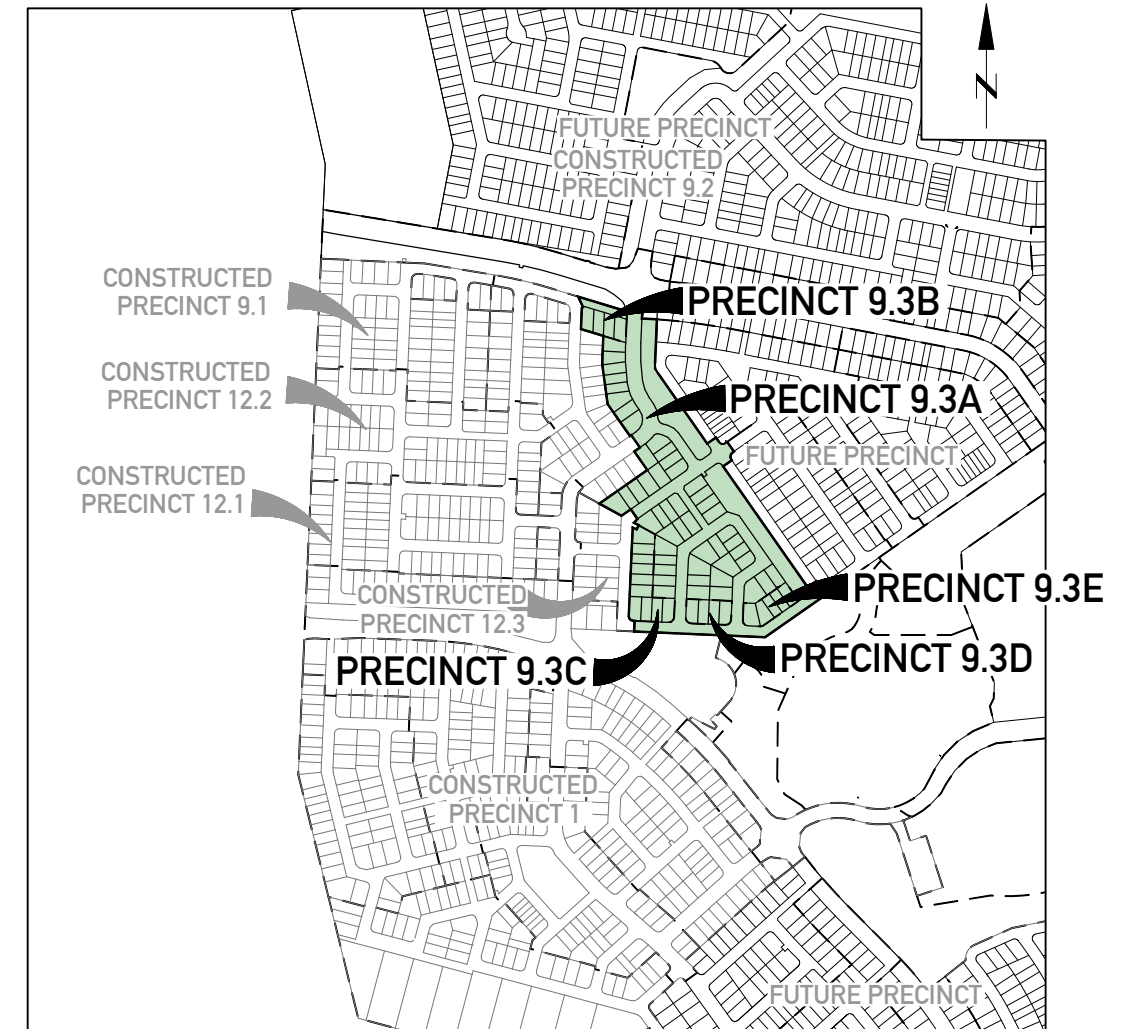
- NO LOCATING/POTHOLING OF EXISTING SERVICES HAS BEEN CARRIED OUT. THE CONTRACTOR IS TO DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING SERVICES WHICH AFFECT THE WORKS AND REPORT ANY POTENTIAL CLASHES TO THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORKS.
- THE CONTRACTOR IS RESPONSIBLE 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

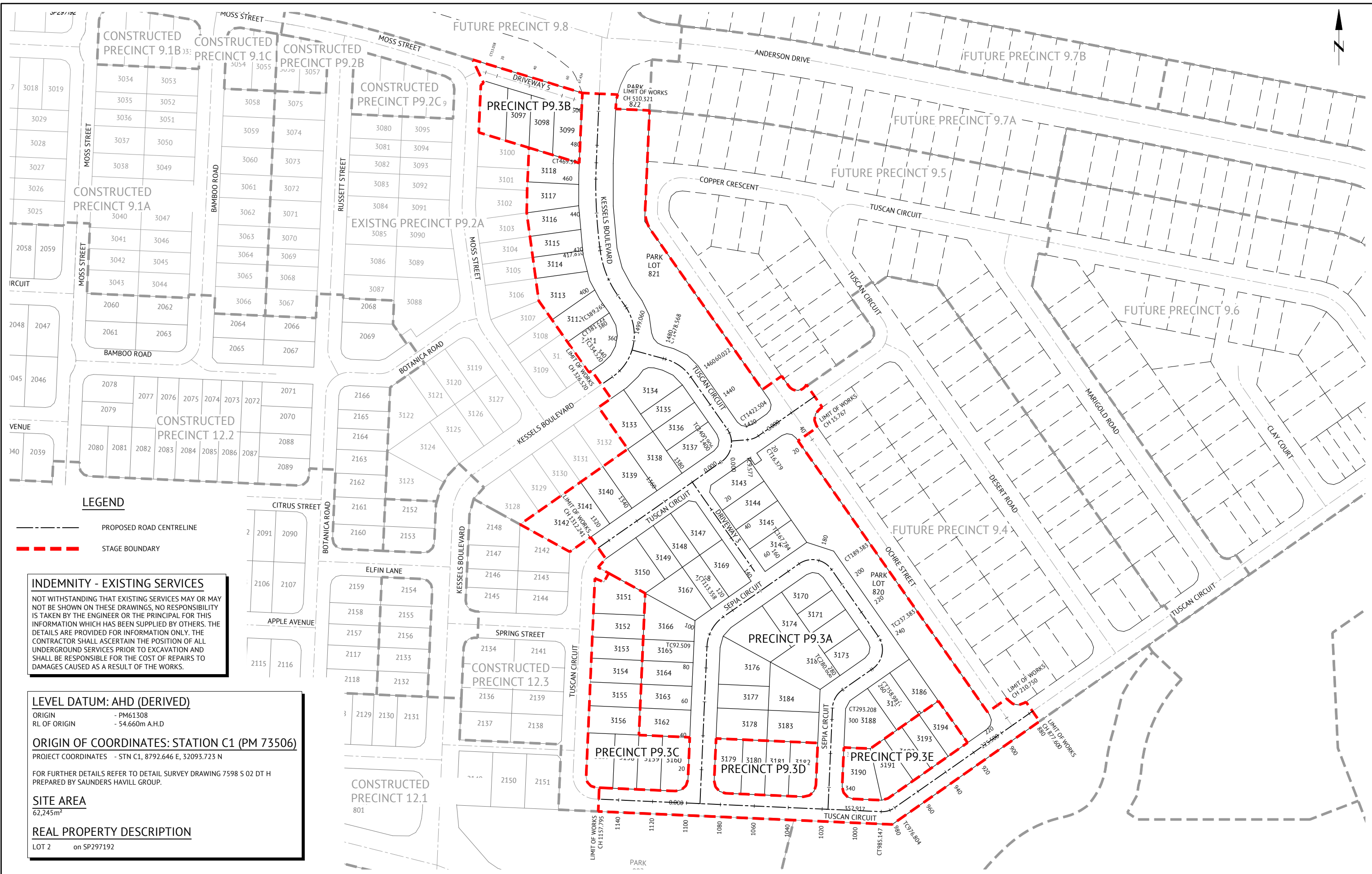
DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION		
15/10/2021	A	ORIGINAL ISSUE		



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DESIGNED K KIWANG	SCALE
CHECKED R BARGER	0 100 200 300m
PROJECT MANAGER S STEINHOFER	SCALE 1:5000 (A1)
PROJECT DIRECTOR PATRICK BRADY	ORIGINAL SHEET SIZE A1

CLIENT MIRVAC QLD PTY LTD	JOB CODE MIR009-03
PROJECT EVERLEIGH PRECINCT 9.3A, B, C, D, E 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

62,245m²

REAL PROPERTY DESCRIPTION

LOT 2 on SP297192

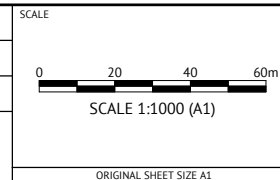
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION		KK	PB
15/10/2021	A	ORIGINAL ISSUE		VKH	PB
				REC	APP



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DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR
PATRICK BRADY
 RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

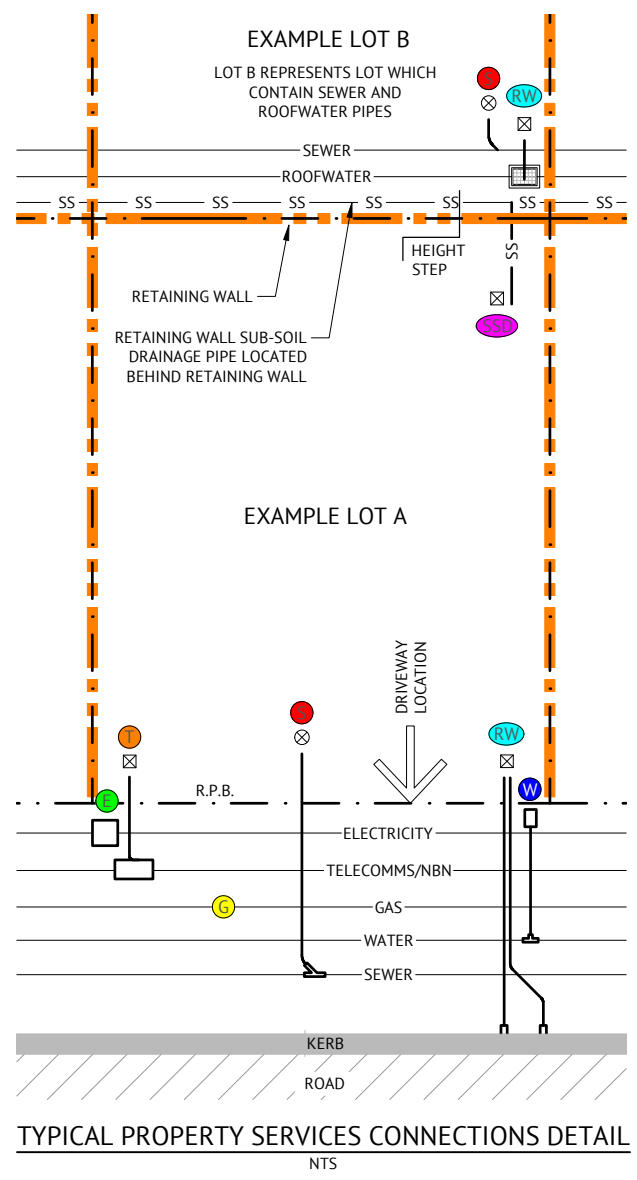
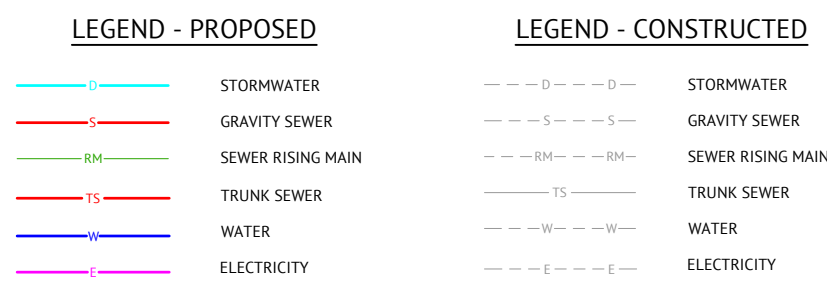
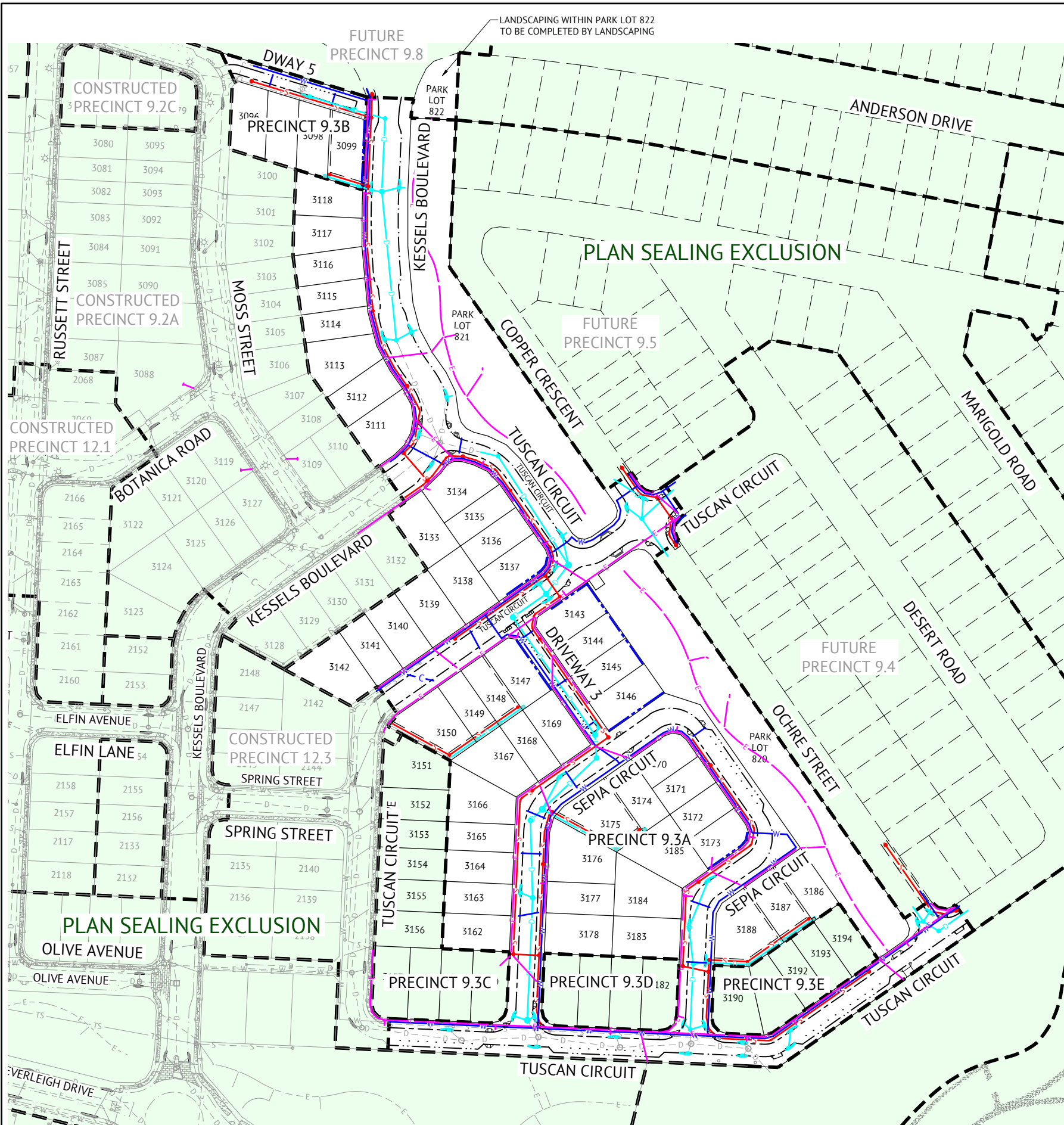
LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
SURVEY SETOUT PLAN

JOB CODE
MIR009-03

SHEET NUMBER
C002

REV
B



FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	B	ADDED ELECTRICAL LINWORK	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB
			REC APP

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PROJECT MANAGER
S STEINHOFER

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 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
OVERALL SERVICES LAYOUT

JOB CODE
MIR009-03

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.

FOR CONSTRUCTION			
DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB



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DESIGNED
K KIWANG

CHECKED
R BARGER

PROJECT MANAGER
S STEINHOFER

PROJECT DIRECTOR
Patrick Brady
PATRICK BRADY

SCALE

ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

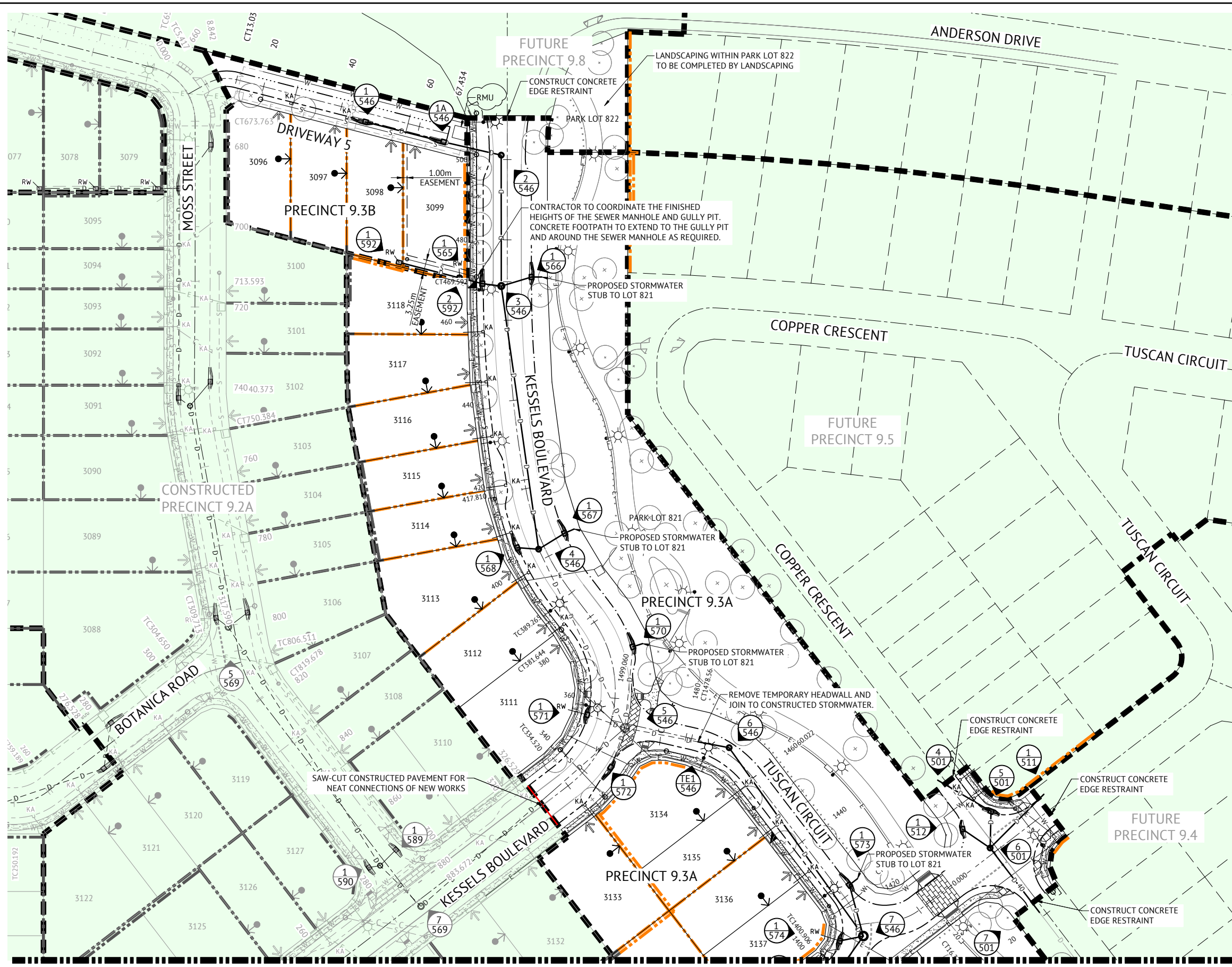
LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
SAFETY IN DESIGN

JOB CODE
MIR009-03

SHEET NUMBER
C004

REV
B



LEGEND - PROPOSED

- PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'B2' KERB. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'ER1' EDGE RESTRAINT. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'INV' CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED 1.5m WIDE (U.N.O.) CONCRETE FOOTPATH. REFER LCC STD DWGS.
- PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
- DURATHEM THRESHOLD TREATMENT COLOUR - LIME GREEN (EX BRICK'N PAVE CODE 603B) PATTERN - HONEYCOMB
- PROPOSED STORMWATER
- PROPOSED STORMWATER STRUCTURE No.
- ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C400.
- ROOFWATER DRAINAGE KERB ADAPTORS. REFER DETAIL ON DWG C400.
- ROOFWATER DRAINAGE KERB ADAPTORS & PROPERTY PIT. REFER DETAIL ON DWG C400.
- PROPOSED ROOFWATER HOUSE CONNECTION (150 Ø uPVC)
- PROPOSED RETAINING WALL
- ZERO LOT BOUNDARY
- PROPOSED FUTURE DRIVEWAY LOCATION
- PROPOSED SEWER
- PROPOSED WATER
- PROPOSED ELECTRICAL
- PROPOSED WATER CONDUIT
- PAD MOUNTED TRANSFORMER
- PROPOSED LANDSCAPING WITHIN VERGE. 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.

LEGEND - CONSTRUCTED

- STORMWATER
- SEWER
- WATER
- ELECTRICAL
- TELSTRA
- GAS
- RISING MAIN
- RETAINING WALL
- STORMWATER STRUCTURE No.

JOINS DRAWING C101

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. C400 - STORMWATER DRAINAGE DETAILS AND NOTES.

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.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISED BY	APP
15/01/2022	B	AMENDED TEXT AND ADDED ELECTRICAL LINWORK	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB

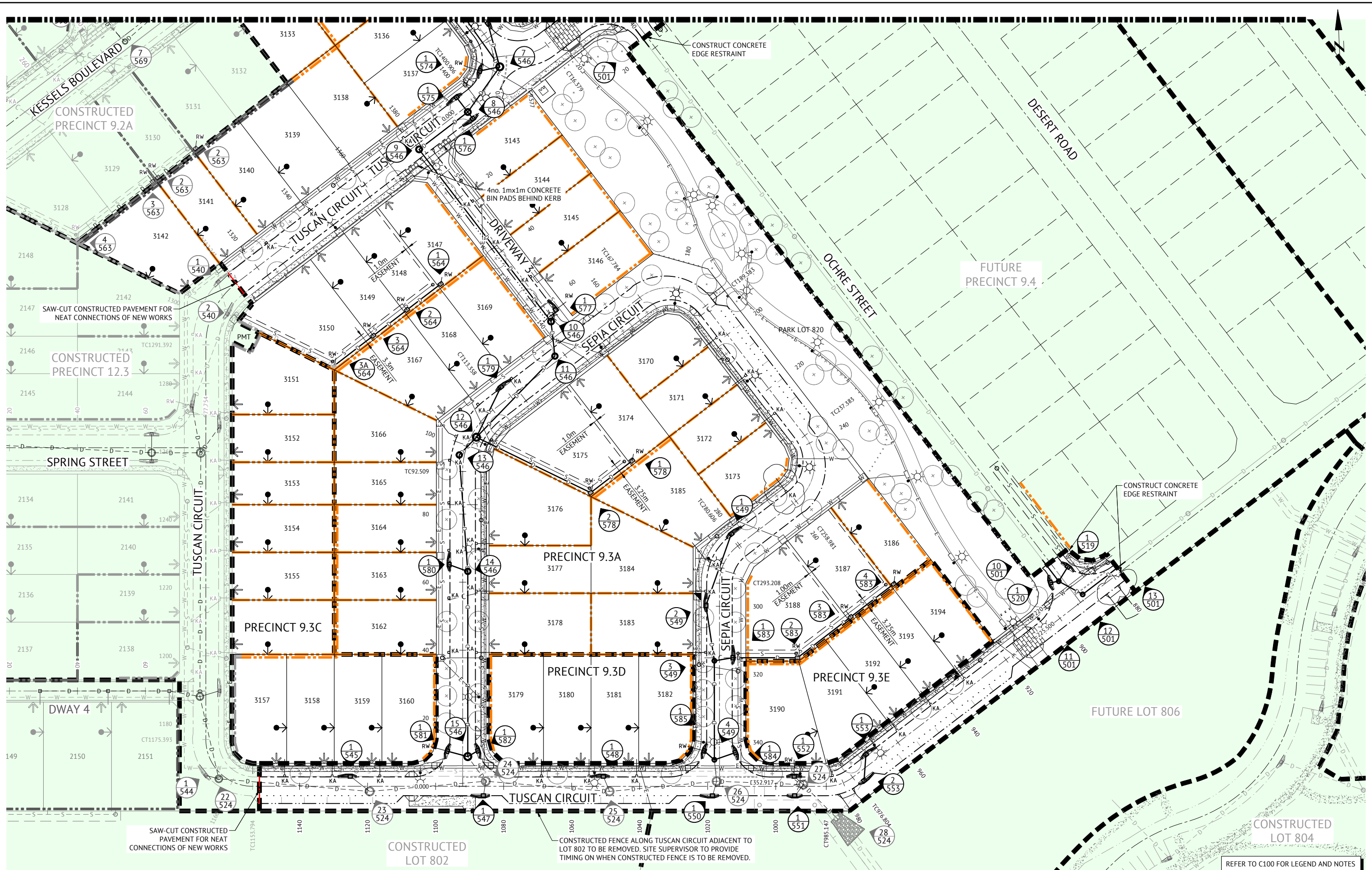
Premise
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DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROADWORKS AND DRAINAGE LAYOUT - SHEET 1 OF 2

JOB CODE
MIR009-03
SHEET NUMBER
C100
REV
B



REFER TO C100 FOR LEGEND AND NOTES

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
15/01/2022	B	MOVED KERB ADAPTOR, AND ADDED DRIVEWAY AND ELECTRICAL LINework	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB
			REC	APP



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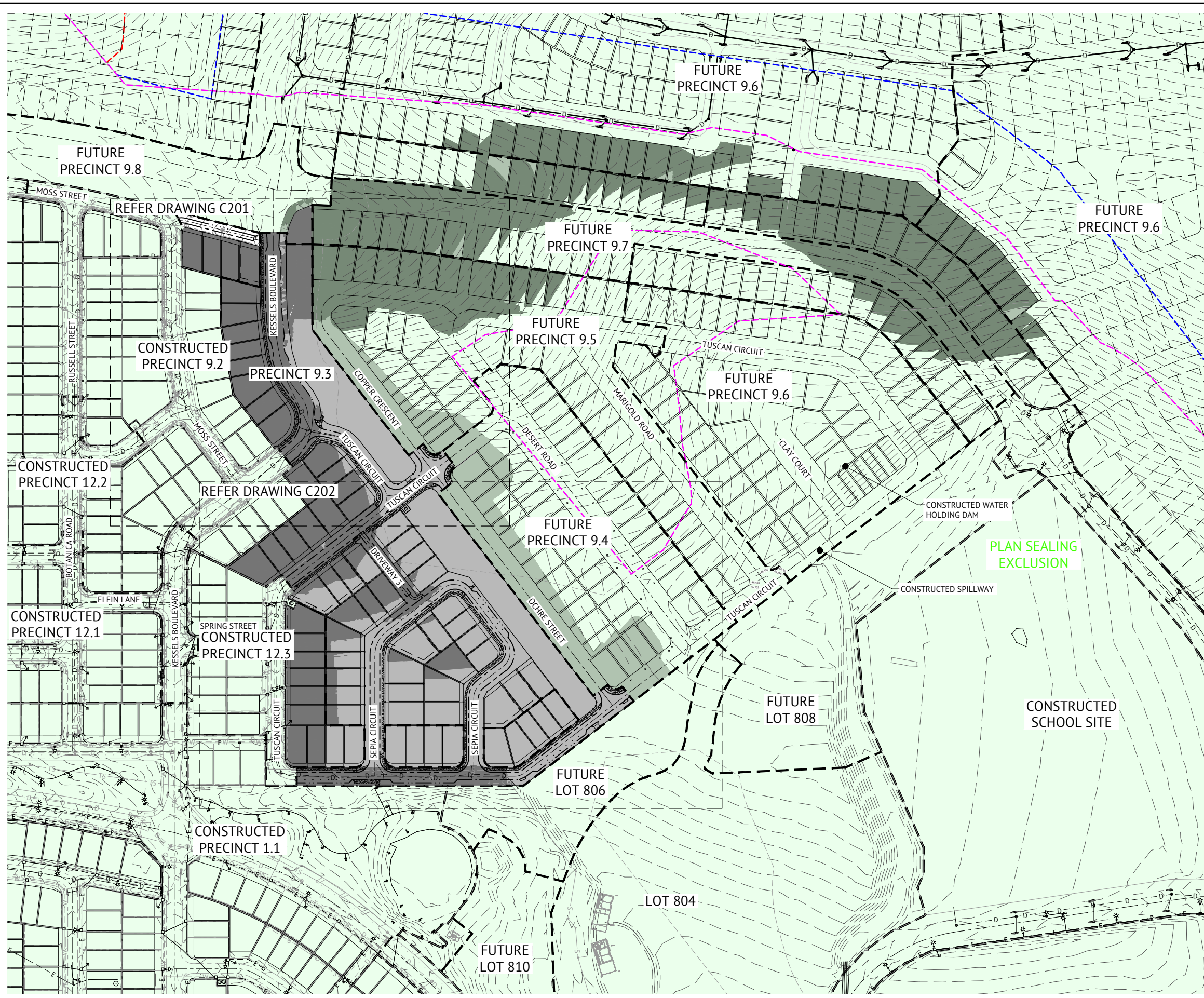
 PATRICK BRADY RPEQ 7112

SCALE

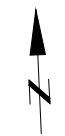
 SCALE 1:500 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
ROADWORKS AND DRAINAGE LAYOUT - SHEET 2 OF 2

JOB CODE
MIR009-03
 SHEET NUMBER
C101
 REV
B



- LEGEND - PROPOSED**
- EXTENT OF CUT
 - EXTENT OF FILL
 - FINISHED MAJOR CONTOURS (0.50m)
 - VEGETATION CLEARING EXTENT
- LEGEND - EXISTING**
- EXISTING CONTOURS (0.50m)
 - EPBC EXCISION BOUNDARY

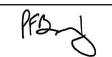


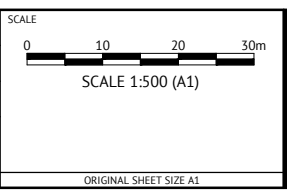
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB
			REC	APP



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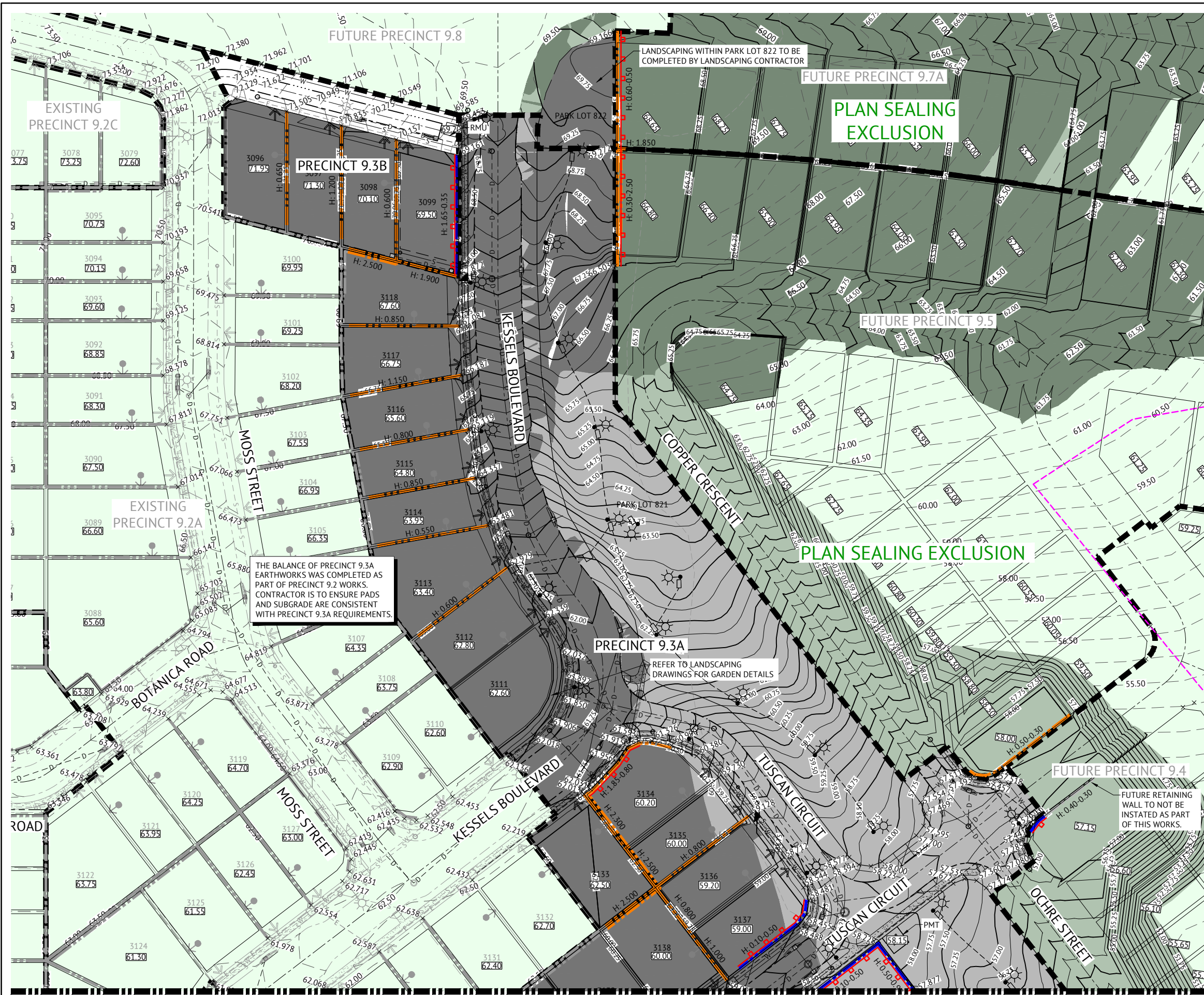
CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
OVERALL EARTHWORKS LAYOUT PLAN

JOB CODE		MIR009-03
SHEET NUMBER	REV	
C200	B	



LEGEND - PROPOSED

- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (0.50m)
- 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
- PROPOSED MASONRY WALL TO ENERGE STANDARDS
- FEATURE FENCE ON TOP OF RETAINING WALL BY LANDSCAPER
- FOOTPATH SPOT LEVEL
- ZERO LOT LINE
- PROPOSED FUTURE DRIVEWAY LOCATION
- PAD MOUNTED TRANSFORMER
- VEGETATION CLEARING EXTENT
- STAGE BOUNDARY

LEGEND - CONSTRUCTED

- RETAINING WALL
- CONTOURS (0.50m)
- STORMWATER
- SEWER
- TRUNK SEWER
- SEWER RISING MAIN
- WATER
- ELECTRICITY
- TELECOMMUNICATIONS
- GAS
- VEGETATION CLEARING EXTENT

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

THE BALANCE OF PRECINCT 9.3A EARTHWORKS WAS COMPLETED AS PART OF PRECINCT 9.2 WORKS. CONTRACTOR IS TO ENSURE PADS AND SUBGRADE ARE CONSISTENT WITH PRECINCT 9.3A REQUIREMENTS

REFER TO LANDSCAPING DRAWINGS FOR GARDEN DETAILS

FUTURE RETAINING WALL TO NOT BE INSTATED AS PART OF THIS WORKS.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
15/01/2022	B	AMENDED TEXT AND ADDED ELECTRICAL LINWORK	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB



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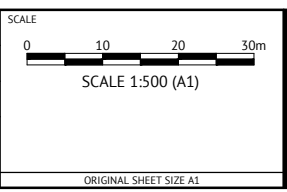
DESIGNED
K KIWANG

CHECKED
R BARGER

PROJECT MANAGER
S STEINHOFER

PROJECT DIRECTOR
PATRICK BRADY

PKB
RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
BULK EARTHWORKS LAYOUT - SHEET 1 OF 2

JOB CODE
MIR009-03

SHEET NUMBER
C201

REV
B



THE BALANCE OF PRECINCT 9.3A EARTHWORKS WAS COMPLETED AS PART OF PRECINCT 9.2 WORKS. CONTRACTOR IS TO ENSURE PADS AND SUBGRADE ARE CONSISTENT WITH PRECINCT 9.3A REQUIREMENTS.

THE BALANCE OF PRECINCT 9.3A EARTHWORKS WAS COMPLETED AS PART OF PRECINCT 12.3 WORKS. CONTRACTOR IS TO ENSURE PADS AND SUBGRADE ARE CONSISTENT WITH PRECINCT 9.3A REQUIREMENTS.

• FOR TYPICAL SECTIONS AND NOTES REFER TO EARTHWORKS NOTES AND DETAILS
 • REFER TO DRAWING No. C200 FOR LEGEND.

FOR CONSTRUCTION

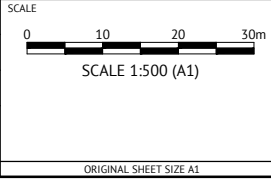
DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	C	ADDED ELECTRICAL LINEWORK	KK PB
17/12/2021	B	AMENDED AS PER EDQ RFI DATED 17/12/2021	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB



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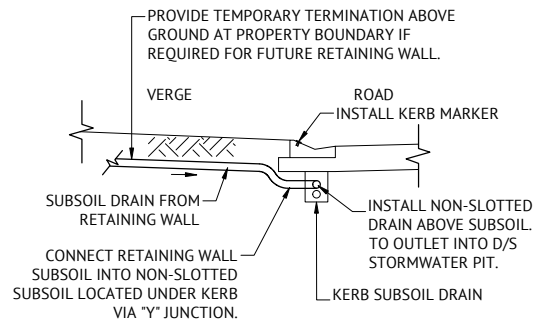
DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR

PATRICK BRADY
 RPEQ 7112



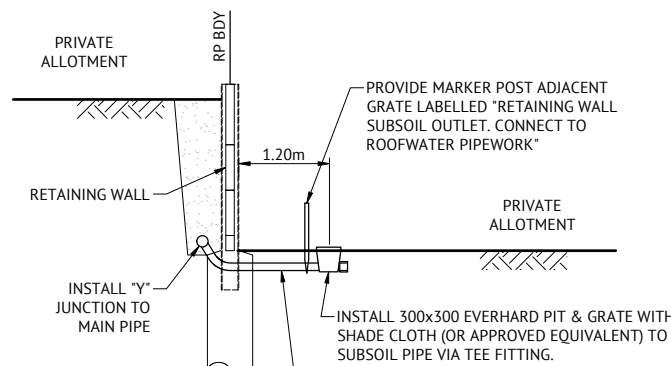
CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
BULK EARTHWORKS LAYOUT - SHEET 2 OF 2

JOB CODE MIR009-03	
SHEET NUMBER C202	REV C



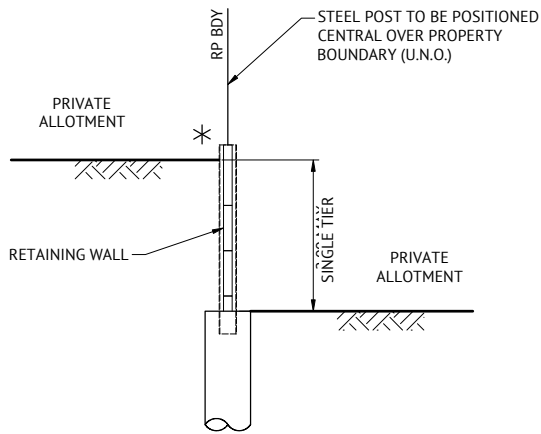
SHALL BE INSTALLED FOR ALL RETAINING WALLS LOCATED ON INTERALLOTMENT BOUNDARIES.

TYPICAL RETAINING WALL SUBSOIL OUTLET TO ROAD
N.T.S.

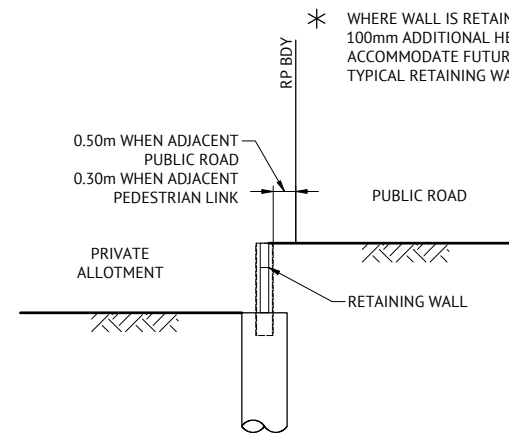


SHALL BE INSTALLED IN REAR CORNER OF ALL ALLOTMENTS LOCATED BELOW A RETAINING WALL.

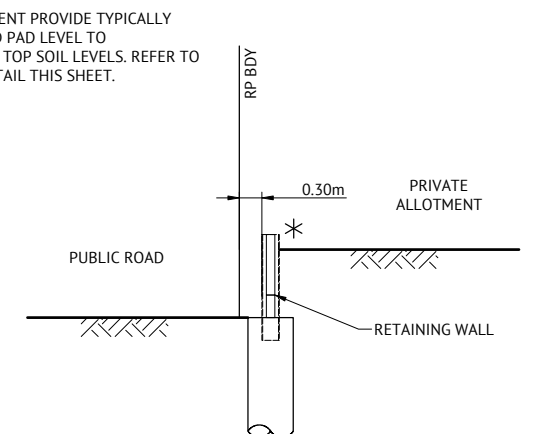
TYPICAL RETAINING WALL SUBSOIL OUTLET TO ALLOTMENTS
N.T.S.



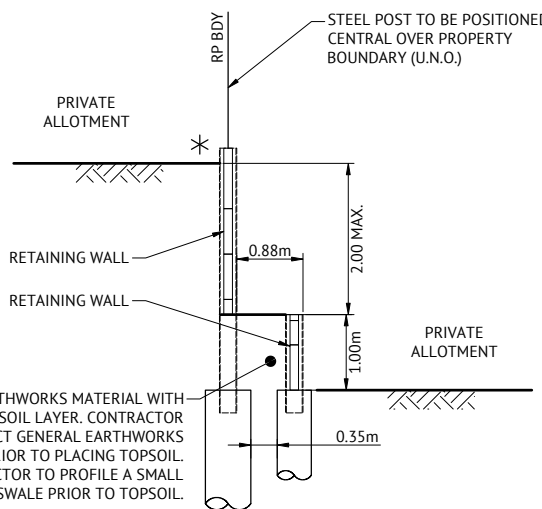
TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT
0.4m-2m MAX HIGH
N.T.S.



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

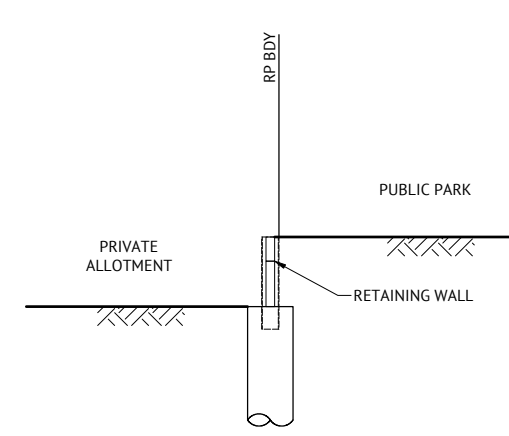


TYPICAL RETAINING WALL DETAIL
ROAD ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER
N.T.S.

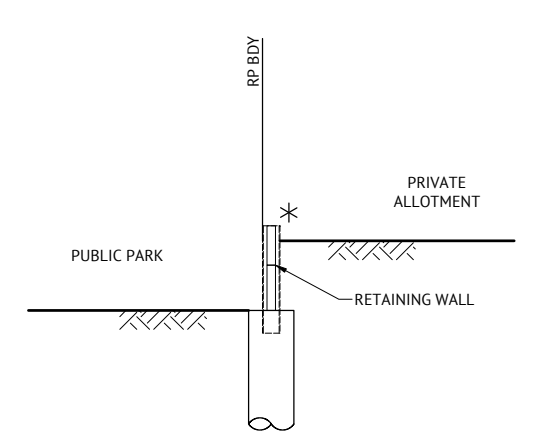


GENERAL EARTHWORKS MATERIAL WITH A 100mm TOPSOIL LAYER. CONTRACTOR TO COMPACT GENERAL EARTHWORKS MATERIAL PRIOR TO PLACING TOPSOIL. CONTRACTOR TO PROFILE A SMALL DRAINAGE SWALE PRIOR TO TOPSOIL.

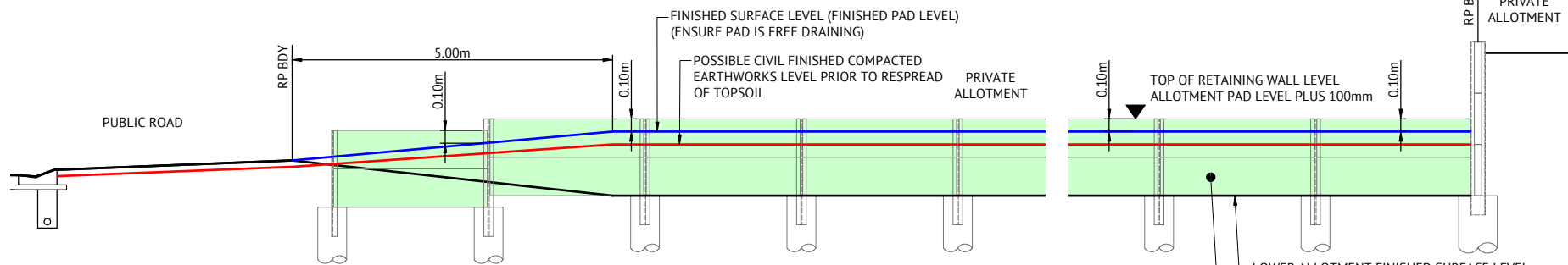
TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT
2m-3m MAX HIGH
N.T.S.



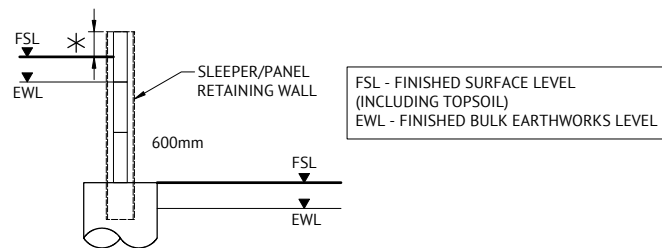
TYPICAL RETAINING WALL DETAIL
PARK ADJACENT TO LOT WHERE PARK LEVEL IS HIGHER
N.T.S.



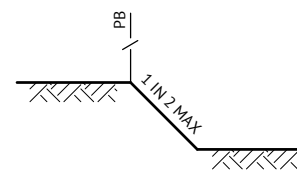
TYPICAL RETAINING WALL DETAIL
PARK ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER
N.T.S.



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 ENCOACH 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.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB
			REC	APP

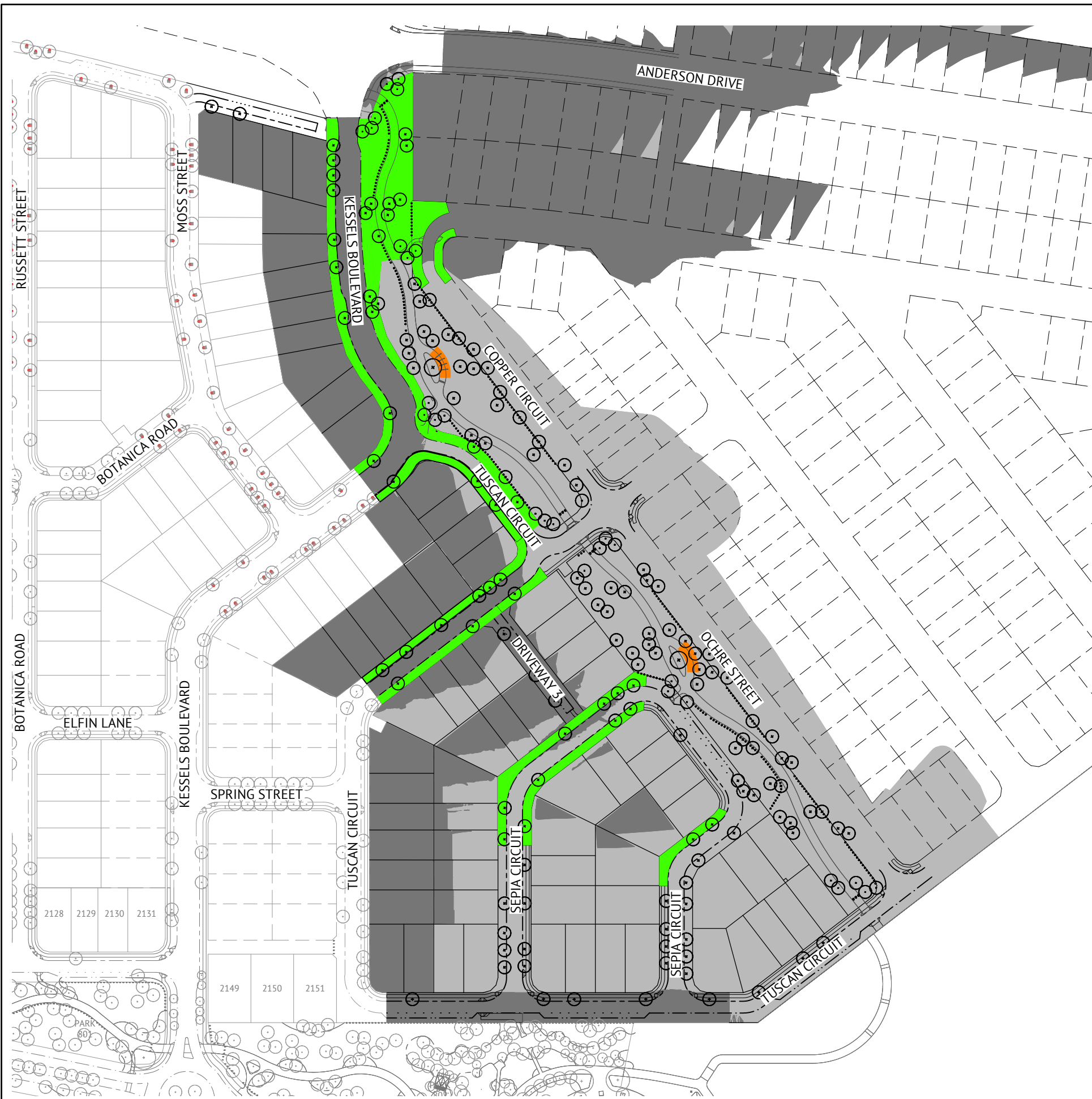
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K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY

SCALE
NTS
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
BULK EARTHWORKS NOTES AND DETAILS - SHEET 2 OF 2

JOB CODE
MIR009-03
SHEET NUMBER
C211
REV
B



LEGEND

- EXTENT OF CUT
- EXTENT OF FILL
- TREES
- BOLLARD
- LANDSCAPE STRUCTURAL ELEMENT.
CONTRACTOR TO ENSURE AREA IS FREE OF ROCK UP TO A DEPTH OF 2.5m (OR AS REQUIRED) BELOW DESIGN FSL (I.E. ENSURE AREA IS EASY DIGGING FOR THE INSTALLATION OF LANDSCAPE ELEMENT FOOTINGS)
- 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.

FOR CONSTRUCTION			
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB
DATE	REV	DESCRIPTION	REC APP
REVISIONS			

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R BARGER

PROJECT MANAGER
S STEINHOFER

PROJECT DIRECTOR
Patrick Brady
PATRICK BRADY RPEQ 7112

SCALE

0 30 60 90m

SCALE 1:1500 (A1)

ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

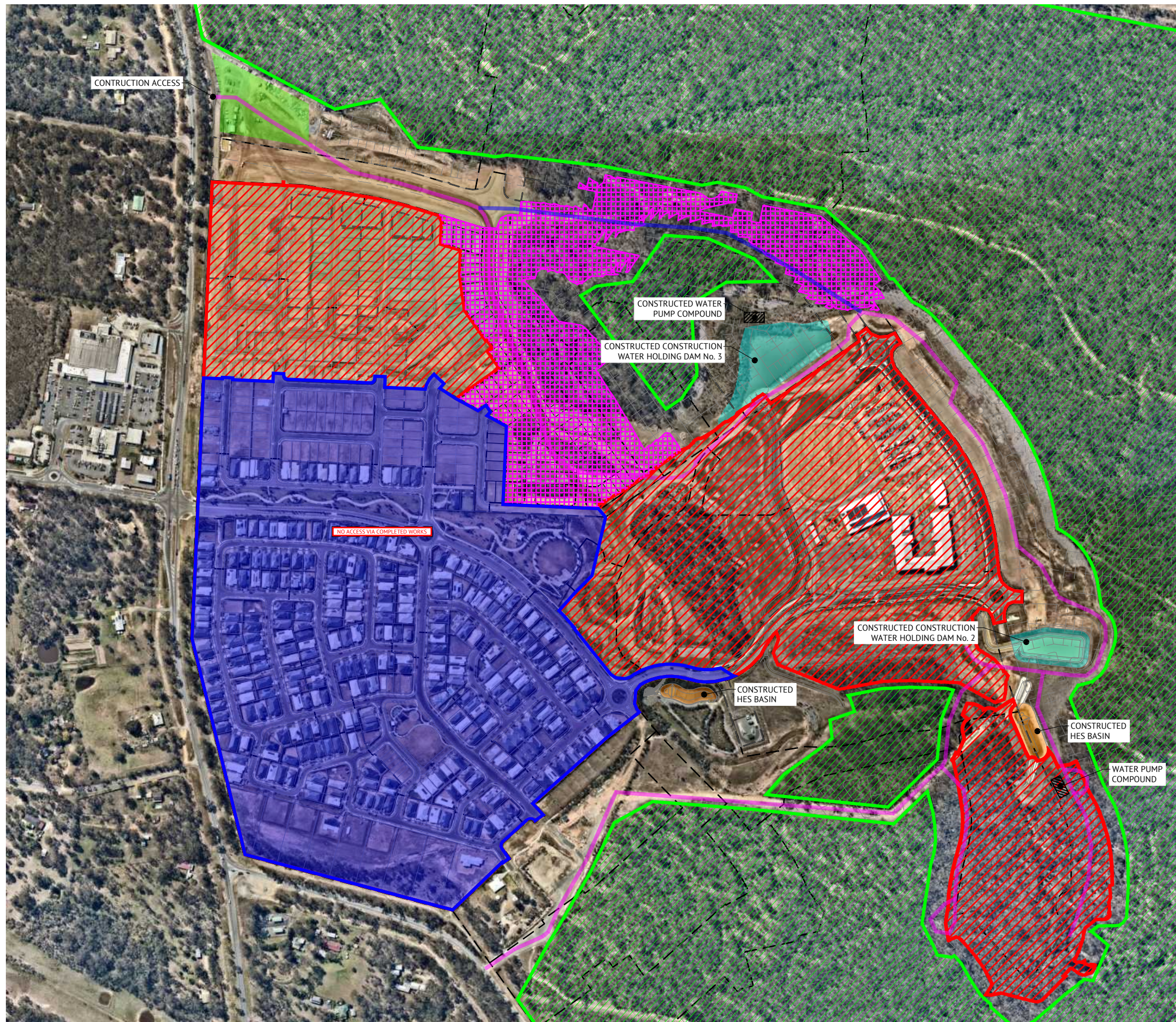
LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
EARTHWORKS SUBGRADE ROCK PREPARATION LAYOUT PLAN

JOB CODE

MIR009-03

SHEET NUMBER	REV
C220	B



LEGEND

- PROPOSED PERMANENT ALL WEATHER HAUL ROAD
- CONSTRUCTED PERMANENT ALL WEATHER HAUL ROAD
- PROPOSED CONTRACTOR SITE COMPOUND
- HES BASIN
- CONSTRUCTION WATER HOLDING DAM (CWD)
- WATER PUMP COMPOUND LOCATION. PROVIDE HARDSTAND WITH HIGH FLOW AND LOW FLOW PUMPING ARRANGEMENT INCLUDING ALL ASSOCIATED HARDWARE FOR DRAWING FROM ADJACENT WATER SOURCE. ARRANGEMENT TO BE SUITABLE FOR ALL WATER TRUCK TYPES.
- P9.3 EARTHWORKS AREA
- VEGETATION TO BE RETAINED
- CONSTRUCTED AREAS, NO CONSTRUCTION ACCESS WITHOUT PRIOR APPROVAL
- CONSTRUCTION AREAS



NOTES:

1. USE CONSTRUCTION WATER DAM WHEN WATER IS AVAILABLE.
2. REFER TO SEDIMENT AND EROSION CONTROL DRAWINGS FOR DRAINS TO CONSTRUCTION WATER DAM ON SITE.
3. INTENT OF THE WATER RE-USE STRATEGY SHOWN ON THIS PLAN IS TO CAPTURE ALL STORMWATER FROM SITE IN THE EXISTING DAMS AND THE CONSTRUCTION WATER HOLDING DAM FOR RE-USE BY CONTRACTOR FOR ANY RELEVANT SITE AND CONSTRUCTION ACTIVITIES.
4. WHILE ALL MEASURES HAVE BEEN TAKEN TO MAKE CONSTRUCTION WATER AVAILABLE ON SITE TO THE CONTRACTOR FOR USE DURING CONSTRUCTION, IT REMAINS THE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR TO ENSURE CONSTRUCTION WATER IS AVAILABLE FOR ALL CONSTRUCTION ACTIVITIES RELEVANT TO THIS CONTRACT.

NOTE:
ALL WORKS WITHIN THE Q100 FLOOD EXTENT OF THE EXISTING CHANNEL SHALL NOT REDUCE THE EXISTING FLOODED CROSS SECTIONAL AREA AND ARE RESTRICTED TO MINOR SURFACE EXCAVATION AND SURFACE TREATMENT WORKS.

FOR CONSTRUCTION

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15/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB

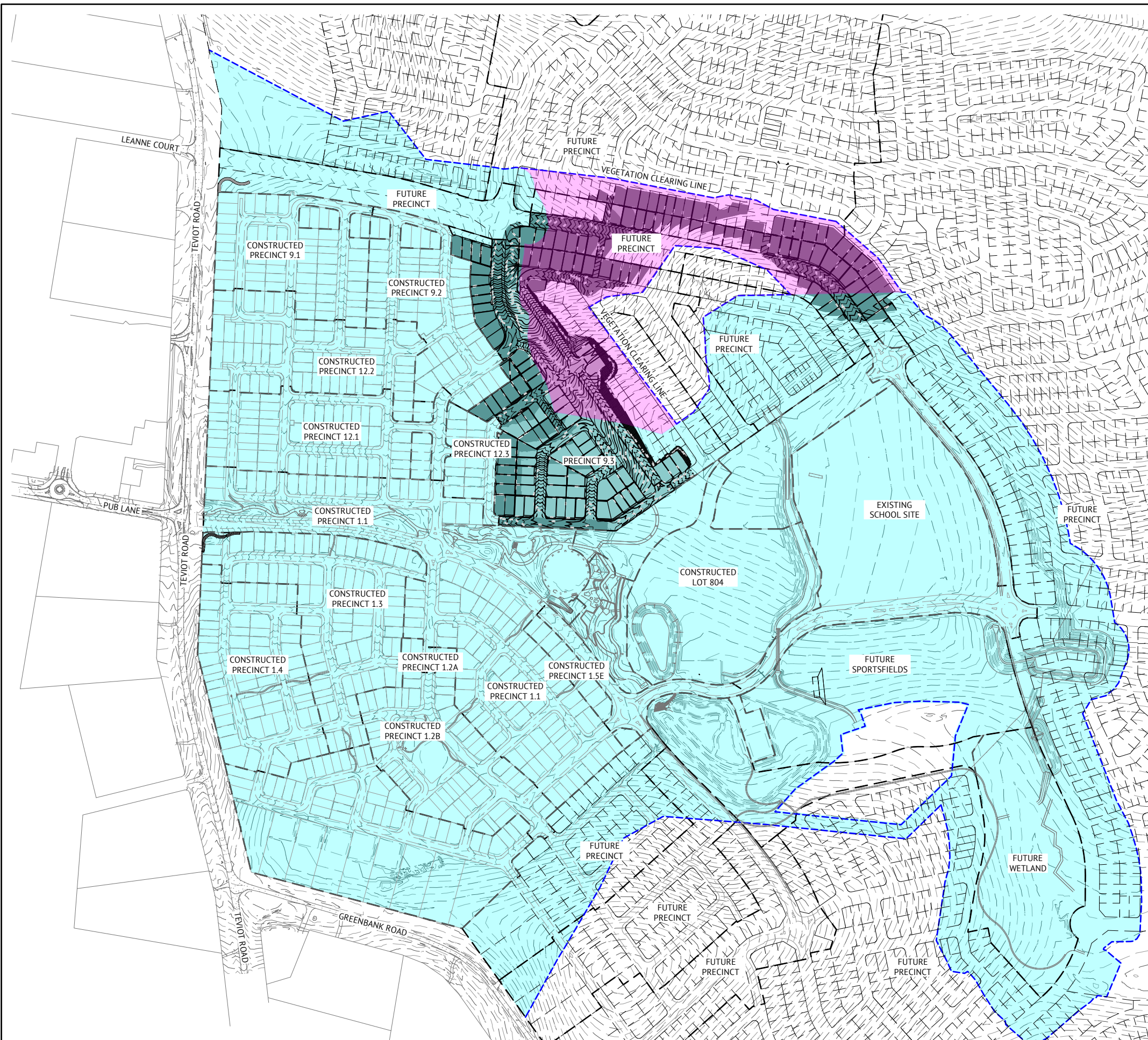
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
Patrick Brady
PATRICK BRADY RPEQ 7112

SCALE
0 30 60 90m
SCALE 1:3000 (A3)
ORIGINAL SHEET SIZE A1

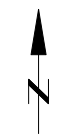
CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
HAUL ROADS & CONSTRUCTION WATER DETAILS

JOB CODE
MIR009-03
SHEET NUMBER
C230
REV
B



LEGEND

- PROPOSED CLEARING EXTENT
- CONSTRUCTED CLEARING EXTENT
- PROPOSED EXTENT OF CUT
- PROPOSED EXTENT OF FILL
- VEGETATION CLEARING EXTENT BOUNDARY
- 12.00 PROPOSED MAJOR CONTOURS (1.00m)
- PROPOSED MINOR CONTOURS (0.50m)
- EXISTING MAJOR CONTOURS (1.00m)
- 12.0 EXISTING MINOR CONTOURS (0.50m)



NOTE:
 IF THE ISLAND OF VEGETATION IS TO BE RETAINED, THE CONTRACTOR IS TO UNDERTAKE THE FOLLOWING:

1. A FAUNA SPOTTER CATCHER TO GO THROUGH THE RETAINED VEGETATION AREA PRIOR TO COMMENCEMENT OF CLEARING THE EASTERN SIDE OF KESSELS BOULEVARD.
2. ERECT TREE PROTECTION FENCING (STAR PICKET WITH HAZARD MESH) ALONG THE CLEARING BOUNDARY SHOULD DETER GROUND DWELLING SPECIES FROM RE-ENTERING THE RETAINED VEGETATION AREA WHILE CONSTRUCTION IS OCCURRING.

FOR CONSTRUCTION			
DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	REC APP

Premise
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DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR
PATRICK BRADY
 RPEQ 7112

SCALE
 0 60 120 180m
 SCALE 1:3000 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
VEGETATION CLEARING SECTIONS & NOTES

JOB CODE
MIR009-03
 SHEET NUMBER
C250
 REV
B

NOTES

- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH LOGAN CITY COUNCIL STANDARD DRAWINGS AND METHODS (U.N.O.).
- 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.
- 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.
- 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.
- ALLOTMENT FILLING TO BE COMPACTED TO 95% (min) OF THE R.D.D. (AS 1289 - TESTS E1.1, E4.1).
- LEVELS AND SETOUT INFORMATION FOR KERB AND CHANNEL CONSTRUCTION IS GIVEN TO LIP OF KERB.
- LEVELS AND GRADIENTS AT JUNCTIONS WITH EXISTING WORKS MAY BE VARIED AS APPROVED BY THE SUPERINTENDENT TO ACHIEVE SATISFACTORY CONNECTION TO THE EXISTING WORKS.
- SIDE DRAINS AND MITRE DRAINS TO BE CONSTRUCTED ADJACENT TO ALL KERB AND CHANNEL.
- PROVIDE FLUSH POINTS TO SUBSOIL DRAINS, LOCATIONS TO BE CONFIRMED ON SITE.
- 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.
- GULLIES AND GULLY GRATES SHALL BE TO STD. DRGs BSD-8051 - BSD-8059.
- KACEY GALV. STEEL KERB ADAPTORS ARE TO BE INSTALLED TO THE REQUIREMENTS OF THE LOCAL COUNCILS STANDARD DRAWINGS AND SPECIFICATIONS.
- ALL LOTS SHOWN BOXED TO HAVE ROOFWATER FOOTPATH CROSSINGS TO KERB. CROSSINGS ARE TO BE 88.9 DIA. GALV. CHS. TO KACEY KERB ADAPTOR.
- ALL TEMPORARY ROOFWATER OUTLETS TO BE EXCAVATED AT 1 IN 200 TO NATURAL SURFACE.
- 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.
- ALL ROOFWATER PIPES CROSSING CONCRETE FOOTPATHS ARE TO BE INSTALLED PRIOR TO CONSTRUCTION OF CONCRETE FOOTPATHS.
- HAZARD MARKERS (D4-4A) TO BE PLACED AT THE END OF NEW WORKS AS DIRECTED BY SUPERINTENDENT.
- SITE CBR VALUE AND PAVEMENT DESIGN AND DEPTHS TO BE VERIFIED WITH CBR TESTS PRIOR TO CONSTRUCTION.
- LOCATION & LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- TO BE READ IN CONJUNCTION WITH ALL STORMWATER DRAINAGE LAYOUT PLANS & ROADWORKS DETAILS.

ROADWORKS NOTES

- 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.
- FULL DEPTH PAVEMENT CONSTRUCTION SHALL EXTEND BEHIND ALL KERB AND KERB AND CHANNEL FOR A DISTANCE WHICH IS THE GREATER OF 150mm FROM THE BACK OF KERB OR ACROSS TO THE OUTER LIMIT OF SIDE DRAIN FILTER MATERIAL.
- TRANSITION KERB AND CHANNEL TO BARRIER KERB SMOOTHLY OVER MIN. 1.0m LENGTH.
- 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.
- 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.

CONCRETE PAVEMENT

- THE CONCRETE PAVEMENT HAS BEEN DESIGNED BASED ON A CBR 5 AND IS SUBJECT TO CONFIRMATION UPON RECEIPT OF CBR TEST RESULT AT TIME OF CONSTRUCTION.
- CONCRETE PAVEMENT SPECIFICATION:

COMPRESSIVE STRENGTH: 25 MPa @ 28 DAYS
 FLEXURAL STRENGTH: 3.5 MPa @ 28 DAYS
 MAXIMUM AGGREGATE SIZE: 20mm
 SLUMP: 80mm+15mm
 MESH: SL72, 50 TOP COVER
 BEDDING: 100mm MIN CBR 15 BEDDING

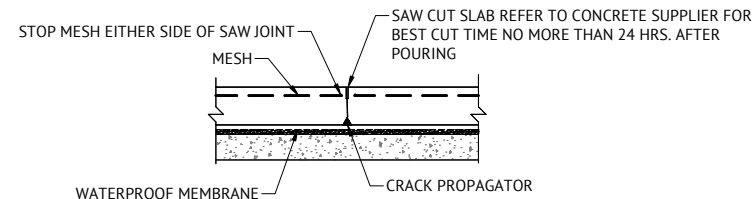
- MATERIALS AND WORKMANSHIP SHALL COMPLY WITH AS1379, AS3600 AND AS3610.
- PROJECT ASSESSMENT OF STRENGTH IN ACCORDANCE WITH AS3600 SHALL BE ADOPTED FOR SAMPLING AND TESTING. THE CONTRACTOR SHALL PAY ALL TESTING COSTS.
- CONSTRUCTION JOINTS SHALL BE MADE ONLY AT APPROVED LOCATIONS.
- ALL JOINTS ARE TO BE SEALED JUST PRIOR TO HANDOVER WITH DOW CORNING '888' SEALANT INSTALLED IN ACCORDANCE WITH MANUFACTURING RECOMMENDATIONS.
- JOINTS ARE TO BE INSPECTED AND SEALANT REGULARLY REPLACED IF REQUIRED.
- DIMENSIONAL TOLERANCES OF AS3600, MODIFIED BY AS3610, SHALL APPLY UNLESS OTHERWISE NOTED. SLAB SURFACE FLATNESS TOLERANCE SHALL BE 5mm MAXIMUM DEVIATION FOR A 3m STRAIGHT EDGE.
- CONCRETE PAVEMENTS ARE TO BE BROOM FINISHED. SLAB THICKNESSES NOTED ARE EXCLUSIVE OF APPLIED FINISHES
- CURE ALL CONCRETE BY AN APPROVED METHOD FOR 7 DAYS AFTER HARDENING. PVA AND RESIN BASED CURING COMPOUNDS SHALL NOT BE USED.

CONCRETE PAVEMENT MAINTENANCE NOTES

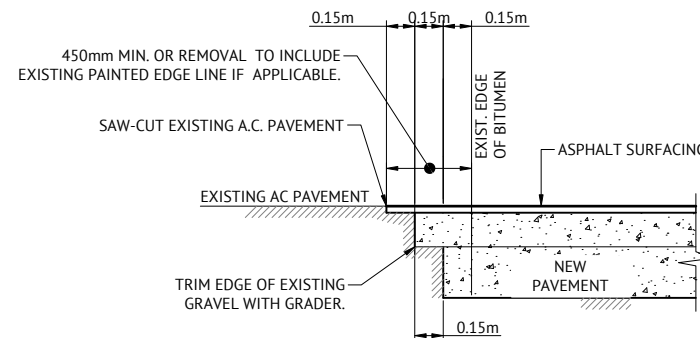
- NOTE THAT UPKEEP AND REPLACEMENT OF SEALANTS IS PART OF THE ONGOING MAINTENANCE REQUIREMENTS FOR THIS SITE.
- NOTE THAT SHRINKAGE CRACKS OF WIDTH < 1.5mm MAY OCCUR IN CONCRETE PAVEMENTS WITHIN 12 MONTHS OF INITIAL CASTING.
- NOTE THAT THE PAVEMENT WILL NOT BE MAINTENANCE FREE FOR ITS DESIGN LIFE.
- INSPECT FLUSH SIDE DRAINS AND SUBSOIL DRAINS EVERY 12 MONTHS.

CONCRETE REQUIREMENTS

ITEM	28 DAY STRENGTH	CONCRETE CYLINDER TEST	TESTING FREQUENCY
KERB & CHANNEL	N32	REQUIRED	1 TEST PER 300m
VEHICULAR CROSSINGS	N25	REQUIRED	1 TEST PER CROSSING
BIKEWAYS	N25	REQUIRED	1 TEST PER 300m
FOOTPATHS	N25	REQUIRED	1 TEST PER 300m
CONCRETE CHANNELS	N25	REQUIRED	1 TEST PER 150m ²
STRUCTURES	AS DESIGN	REQUIRED	AS DIRECTED
ROOFWATER MH'S	N20	NOT REQUIRED	
STORMWATER MH'S	N25	NOT REQUIRED	
PRECAST MANHOLE ROOF SLABS	N40	NOT REQUIRED	
GULLY PITS			
.. PRECAST LINTEL	N30	NOT REQUIRED	
.. OTHER	N25	NOT REQUIRED	

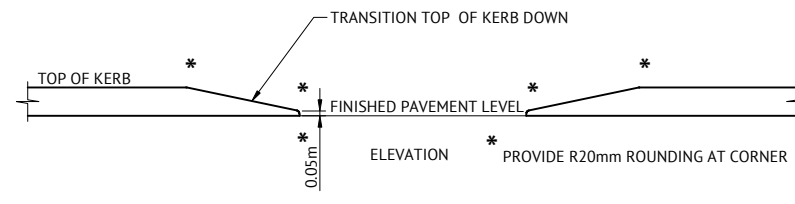


SAWCUT JOINT (S.J.)

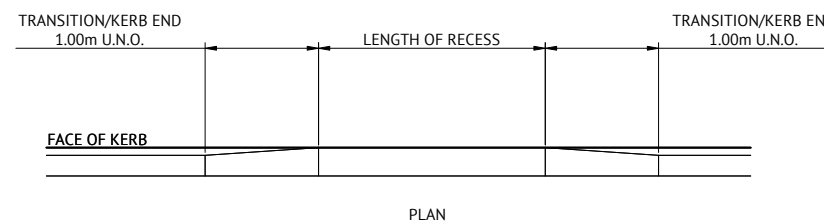


TYPICAL PAVEMENT CUT-BACK DETAIL

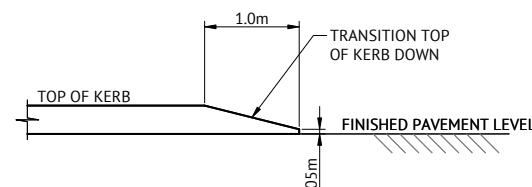
N.T.S



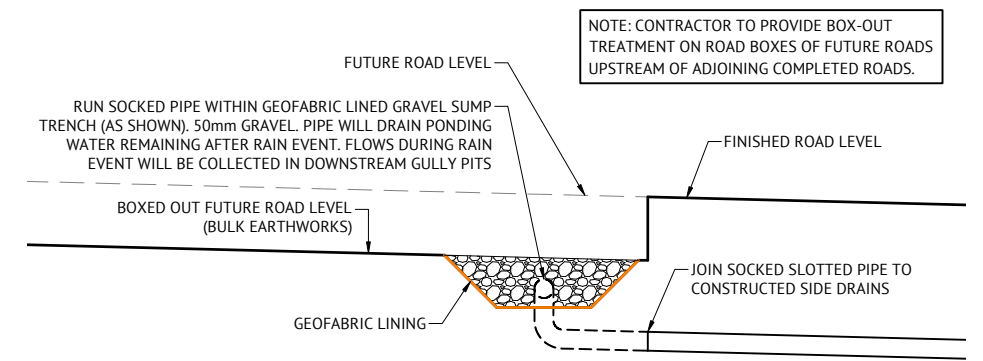
TYPICAL KERB RECESS / END DETAIL



NOTE: REFER LAYOUT PLAN FOR TRANSITION RECESS & KERB END LOCATIONS & LENGTHS



KERB END DETAIL



TYPICAL FUTURE ROADS BOX-OUT TREATMENT

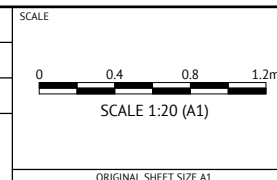
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION		
15/10/2021	A	ORIGINAL ISSUE		
			VKH	PB
			REC	APP



BRISBANE OFFICE
 LEVEL 1, 100 BRUNSWICK STREET
 PO BOX 361
 FORTITUDE VALLEY, QLD 4006
 PH: (07) 3253 2222
 WEB: www.premise.com.au

DESIGNED: K KIWANG
 CHECKED: R BARGER
 PROJECT MANAGER: S STEINHOFER
 PROJECT DIRECTOR: Patrick Brady
 RPEQ 7112



CLIENT: **MIRVAC GROUP**
 PROJECT: **EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT**
 LOCATION: **TEVIOT ROAD, GREENBANK**
 SHEET TITLE: **ROADWORKS NOTES AND DETAILS**

JOB CODE: **MIR009-03**
 SHEET NUMBER: **C300**
 REV: **B**

PAVEMENT DESIGN (PRELIMINARY)	
ROADS	- TUSCAN CIRCUIT
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

Horiz Curve Data

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

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

DATUM R.L.41.0

CHAINAGE	NATURAL SURFACE	DESIGN SURFACE	RHS LIP LEVEL	LHS LIP LEVEL	CUT (-)/FILL DEPTH
860.00	48.725	49.784	49.722	49.727	1.059
869.83	49.031	50.166	50.104	50.108	1.135
880.00	49.154	50.485		50.427	1.331
896.23	49.246	50.679	*	50.621	1.433
900.00	49.237	50.668		50.611	1.431
909.83	49.086	50.543		50.485	1.457
920.00	48.875	50.339	50.277	50.282	1.464
940.00	48.235	49.939	49.877	49.882	1.704
960.00	47.377	49.539	49.477	49.482	2.162
968.57	47.001	49.368	49.306	49.310	2.366
976.80	46.688	49.228	49.166	49.171	2.540
980.00	46.589	49.126	49.126	49.130	2.599
985.15	47.471	49.138	49.076	49.081	1.667
995.53	49.098	49.098	49.041	49.041	0.000
1000.00	49.111	49.106	49.048	49.048	-0.006
1008.57	49.161	49.161	49.104	49.104	0.000
1020.00	49.272	49.272	49.214	49.214	0.000
1040.00	49.465	49.465	49.408	49.408	0.000
1060.00	49.658	49.658	49.596	49.601	0.000
1080.00	49.852	49.852		49.794	0.000
1099.44	50.040	50.040	*	49.982	0.000
1100.00	50.046	50.045		49.988	-0.001
1120.00	50.406	50.398		50.340	-0.009
1139.44	51.029	51.029	50.967	50.971	-0.000
1140.00	51.051	51.051	50.989	50.993	-0.000
1153.79	51.600	51.600	51.537	51.542	-0.000
1160.00	51.846	51.846	51.777	51.782	0.000
1175.39	52.459	52.459	52.372	52.372	-0.000
1180.00	52.642	52.642	52.555	52.555	-0.000
1200.00	53.437	53.437	53.350	53.350	-0.000
1220.00	54.230	54.233	54.146	54.146	0.003
1240.00	53.275	54.993	54.906	54.906	1.718
1247.60	54.022	55.277	55.190	55.190	1.255
1260.00	55.240	55.779	55.692	55.692	0.539
1280.00	57.246	56.744	56.657	56.657	-0.502
1287.60	58.001	57.162	57.075	57.075	-0.839
1291.39	58.386	57.377	57.290	57.290	-1.009
1299.03	59.035	57.811	57.724	57.724	-1.224
1300.00	59.109	57.865	57.778	57.778	-1.243
1312.24	60.207	58.484	58.397	58.397	-1.723
1320.00	60.008	58.808	58.721	58.721	-1.200
1326.00	60.272	59.022	58.935	58.935	-1.250
1340.00	60.759	59.348	59.261	59.261	-1.411
1349.68	60.780	59.413	59.326	59.326	-1.367
1360.00	60.757	59.339	59.252	59.252	-1.418
1376.00	60.344	58.930		58.843	-1.413
1380.00	60.041	58.792	*	58.705	-1.249
1400.00	58.381	58.351		58.264	-0.029
1400.91	58.306	58.341	58.254	58.254	0.036
1411.01	57.644	58.288	58.207	58.212	0.644
1420.00	57.547	58.330	58.268	58.265	0.783
1422.50	57.620	58.357	58.299	58.295	0.736
1440.00	58.270	58.728	58.671	58.666	0.458
1444.07	58.407	58.861	58.803	58.799	0.454
1444.08	58.407	58.861	58.803	58.799	0.454
1460.00	58.949	59.610	59.552	59.548	0.661
1460.02	58.950	59.611	59.554	59.549	0.661
1464.08	59.147	59.865	59.808	59.803	0.718
1478.57	60.233	60.818	60.761	60.756	0.585
1480.00	60.353	60.913	60.855	60.851	0.559
1482.06	60.526	61.048		60.522	0.522
1496.06	61.831	61.684		-0.147	-0.147
1499.06	62.147	61.739	*	-0.388	-0.388

TUSCAN CIRCUIT ROAD LONGITUDINAL SECTION

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

FOR CONSTRUCTION

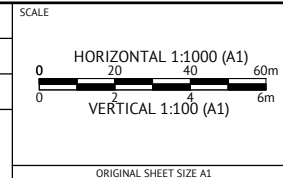
DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB



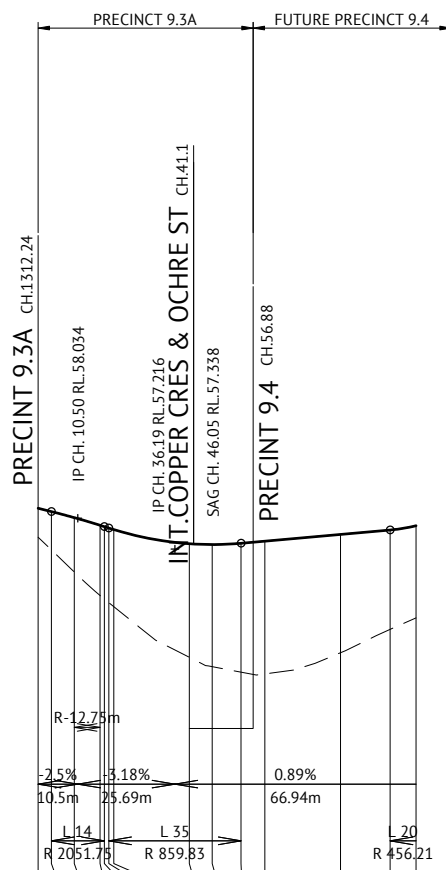
BRISBANE OFFICE
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PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY

RPEQ 7112



CLIENT	MIRVAC QLD PTY LTD	JOB CODE	MIR009-03
PROJECT	EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT	SHEET NUMBER	C310
LOCATION	TEVIOT ROAD, GREENBANK	REV	B
SHEET TITLE	TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 1 OF 5		



* REFER TO INTERSECTION DETAILS PLANS

Horiz Curve Data

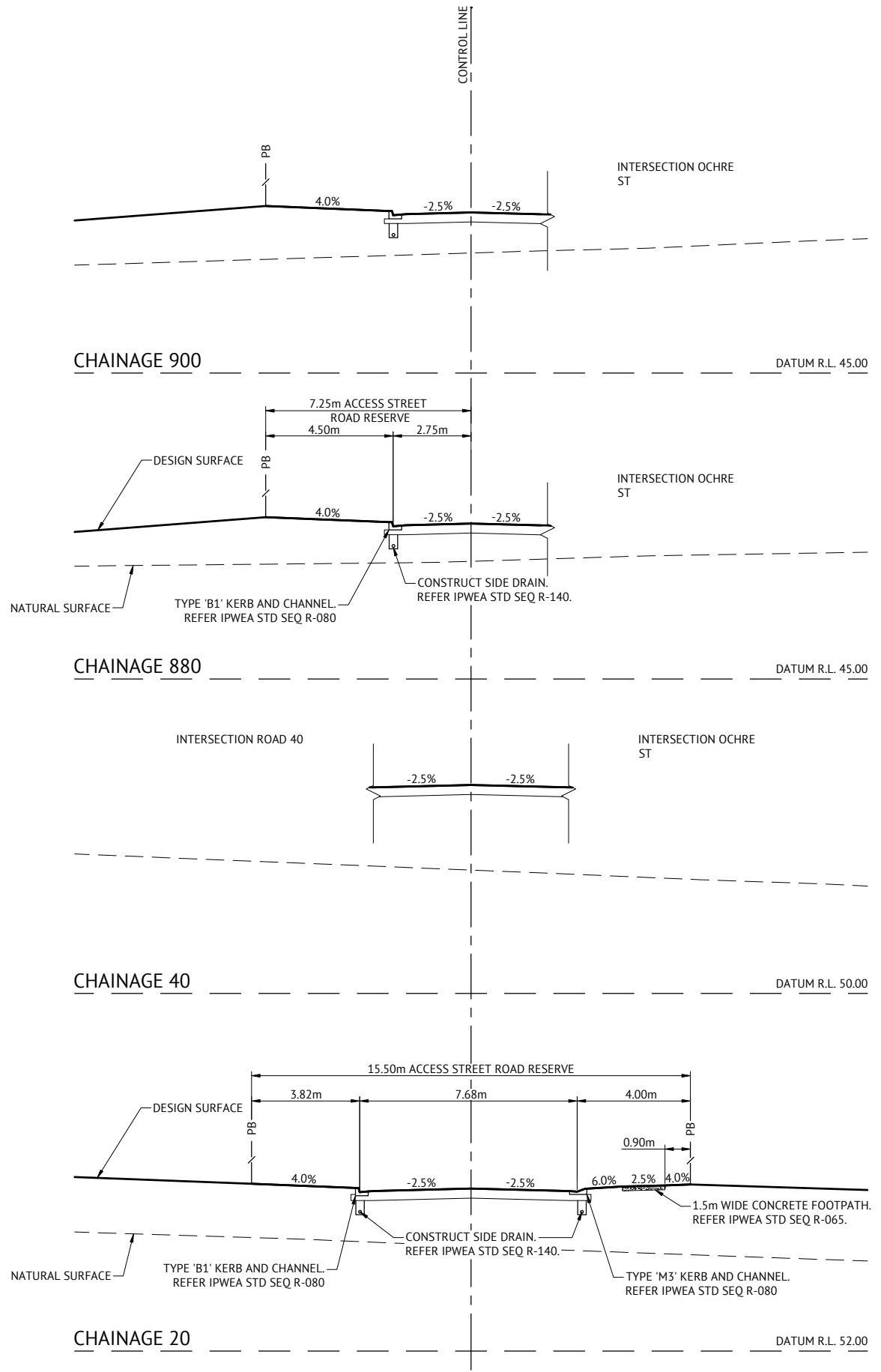
Vertical Geometry Grade (%)
Vertical Grade Length (m)

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

DATUM R.L.48.0

CUT (-)/FILL DEPTH	0.765	1.014	1.436	1.857	1.915	1.973	3.005	3.230	3.410	3.513	3.130	2.630	2.438
LHS LIP LEVEL		*						*					
RHS LIP LEVEL	58.213		57.759	57.724	57.686	57.645		*	57.341	57.341	57.518	57.635	57.748
DESIGN SURFACE	58.296	58.209	58.048	57.846	57.724	57.686	57.752	57.359	57.372	57.478	57.605	57.772	57.835
NATURAL SURFACE	57.532	57.195	56.611	55.989	55.896	55.800	55.695	54.354	53.962	53.915	54.475	55.092	55.397
CHAINAGE	0.00	3.50	9.58	16.38	17.50	18.69	20.00	40.00	46.05	53.69	60.00	80.00	95.13

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



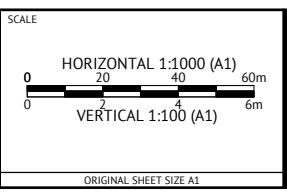
TUSCAN CIRCUIT ROAD CROSS SECTION
SCALE 1:100

FOR CONSTRUCTION



BRISBANE OFFICE
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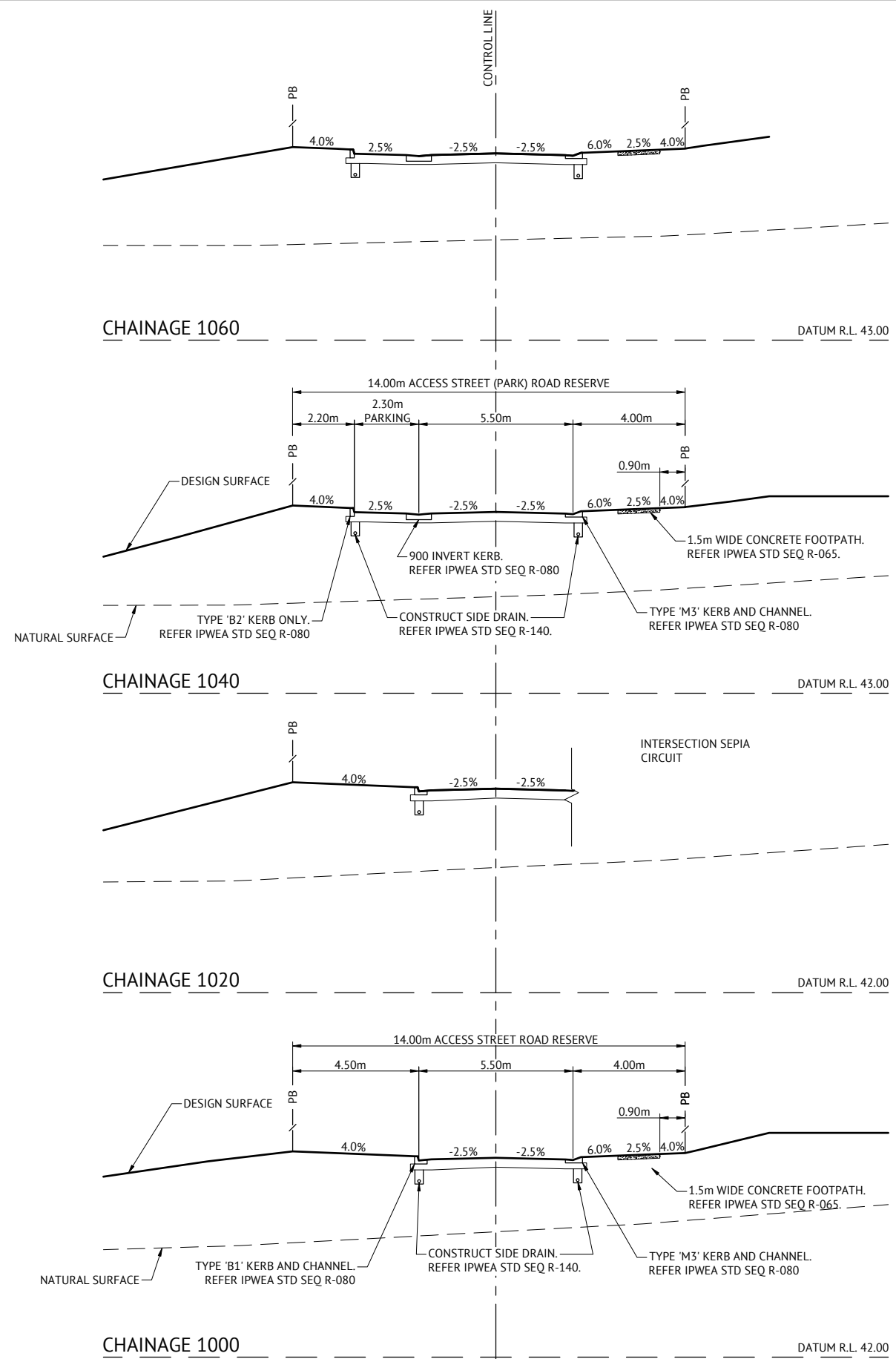
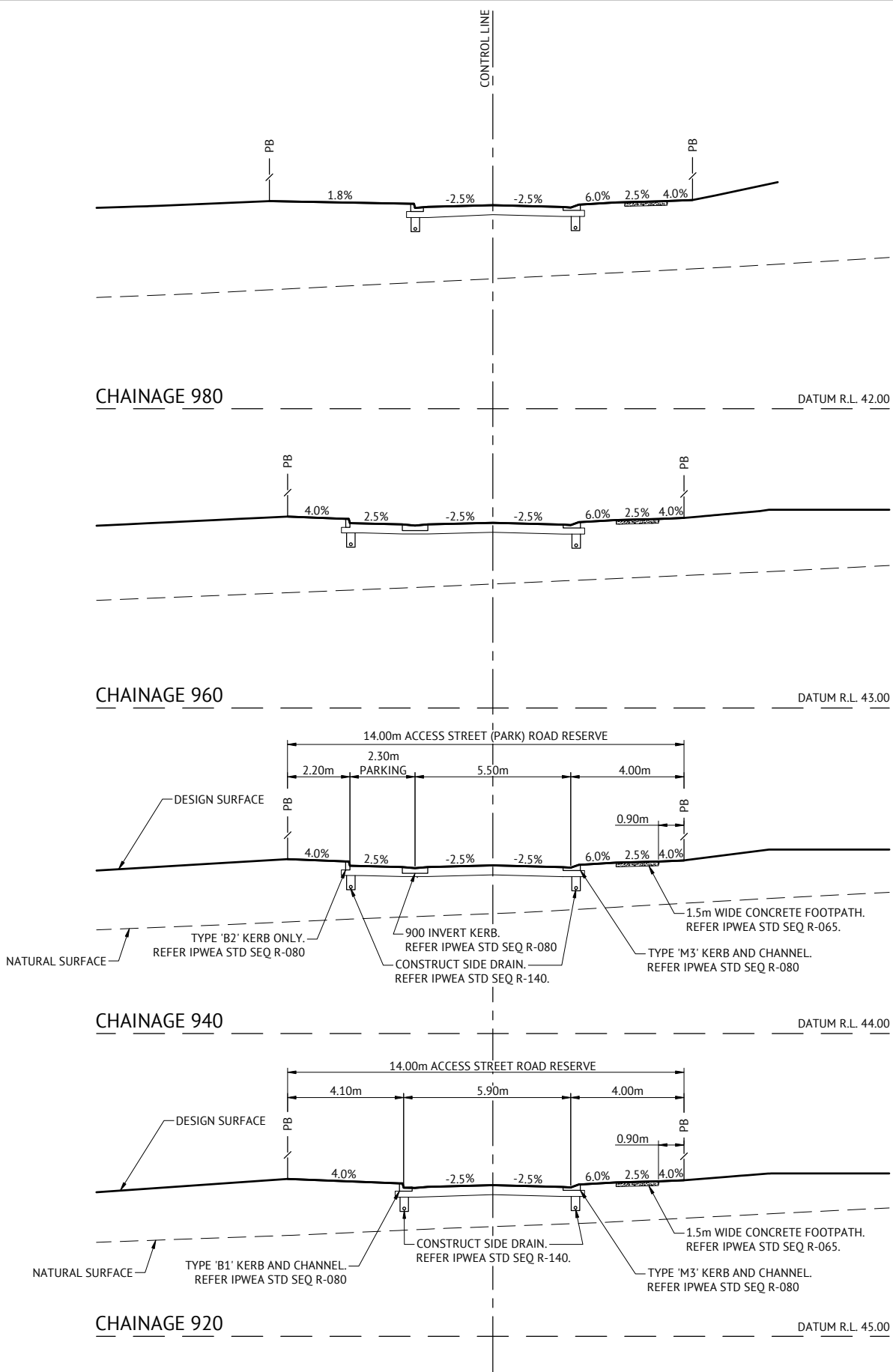
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RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 2 OF 5

JOB CODE
MIR009-03
SHEET NUMBER
C311
REV
B

DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB



TUSCAN CIRCUIT ROAD CROSS SECTION
SCALE 1:100

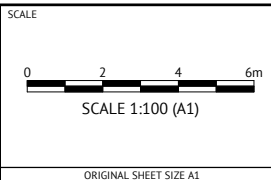
FOR CONSTRUCTION

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13/01/2022	B	ISSUED FOR CONSTRUCTION		
15/10/2021	A	ORIGINAL ISSUE		



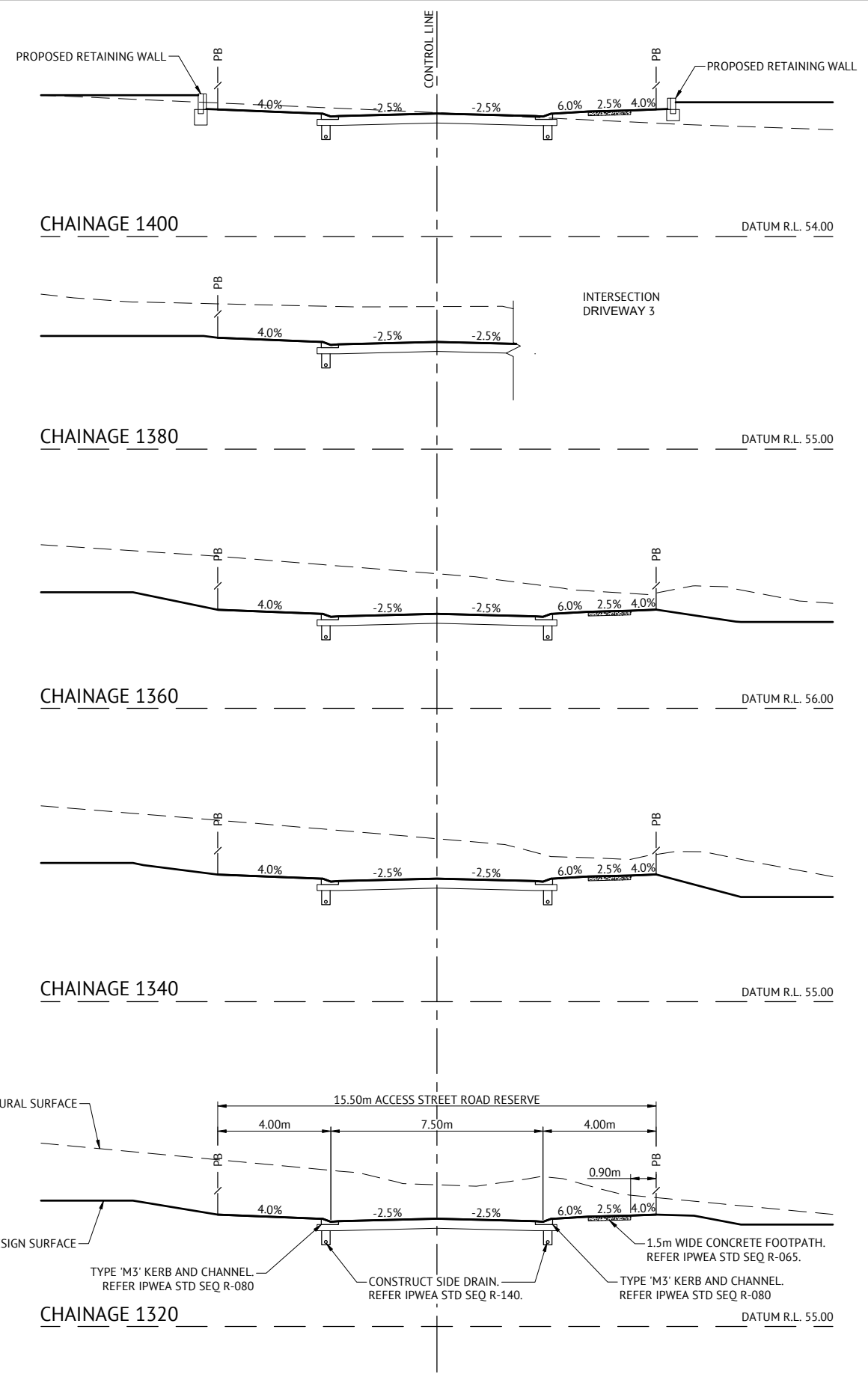
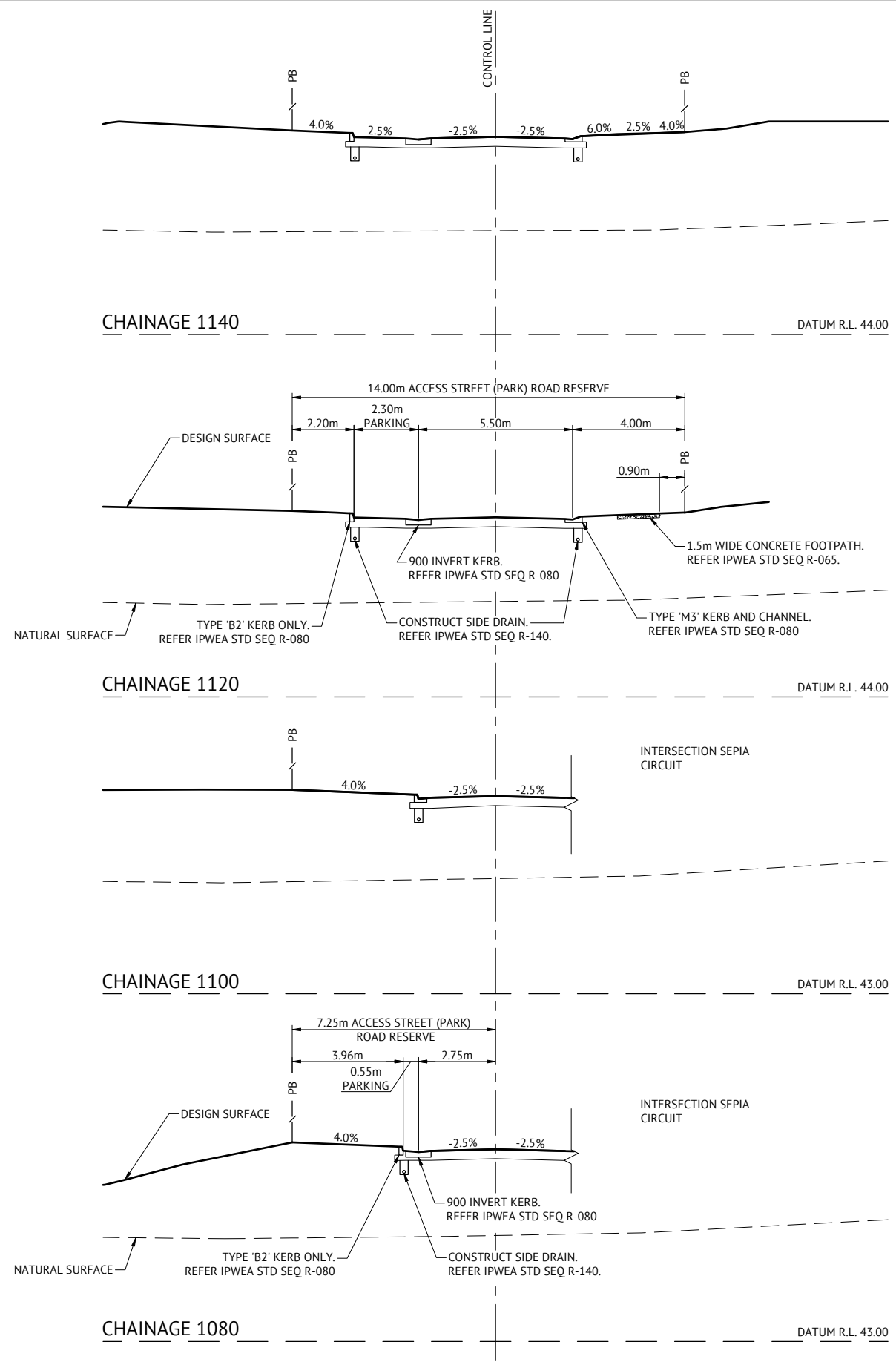
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
Patrick Brady
PATRICK BRADY RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 3 OF 5

JOB CODE
MIR009-03
SHEET NUMBER
C312
REV
B



TUSCAN CIRCUIT ROAD CROSS SECTION
SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB

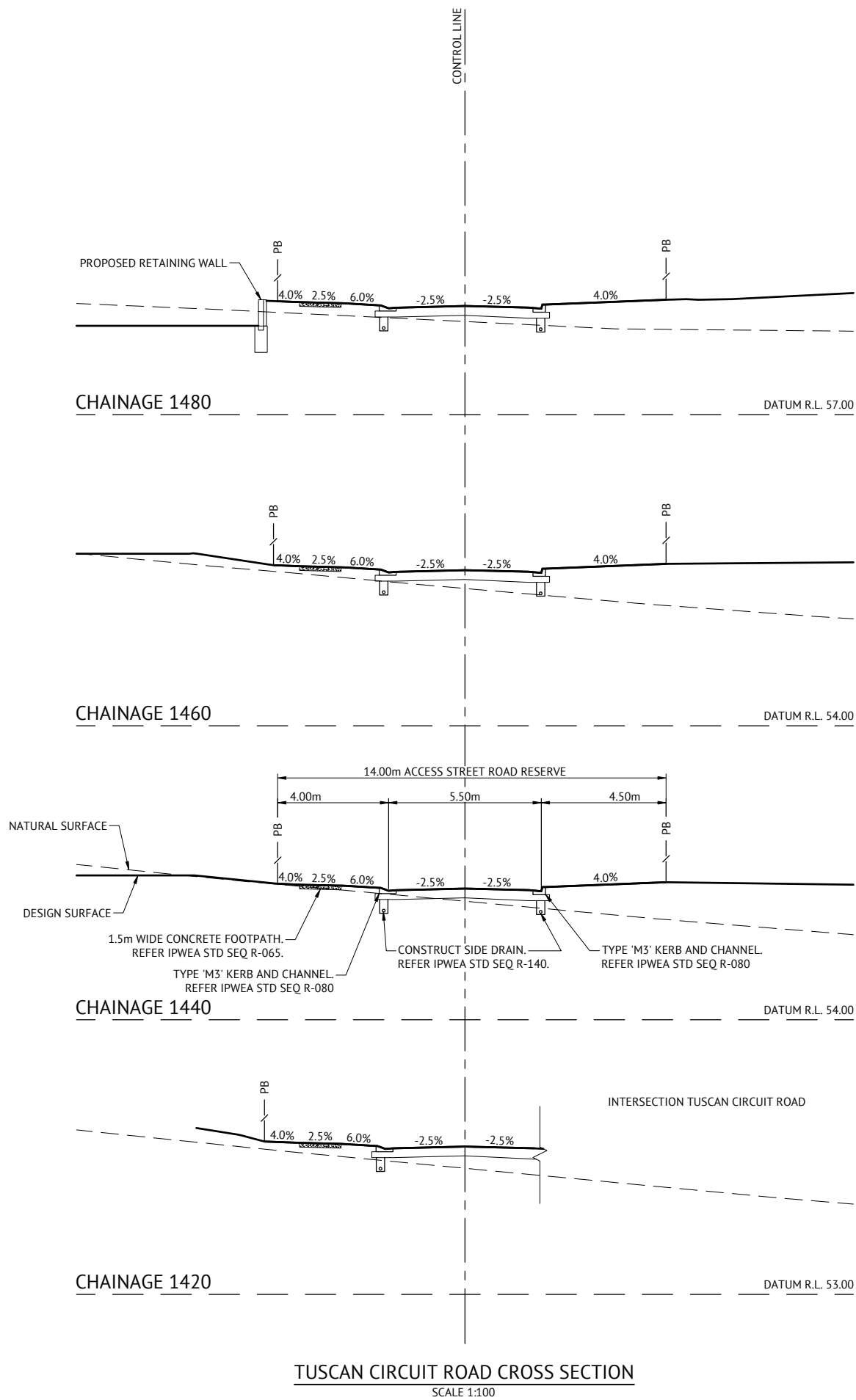
Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
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DESIGNED
K KIWANG
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R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 4 OF 5

JOB CODE
MIR009-03
SHEET NUMBER
C313
REV
B



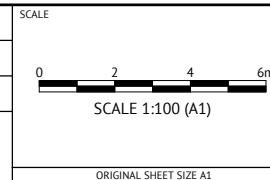
TUSCAN CIRCUIT ROAD CROSS SECTION
SCALE 1:100

FOR CONSTRUCTION



BRISBANE OFFICE
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RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
TUSCAN CIRCUIT ROAD LONG & CROSS SECTIONS - SHEET 5 OF 5

JOB CODE
MIR009-03
SHEET NUMBER
C314
REV
B

DATE	REV	DESCRIPTION	REC	APP
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	SEPIA CIRCUIT
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

Horiz Curve Data

Vertical Geometry Grade (%)

Vertical Grade Length (m)

Vertical Curve Length (m)

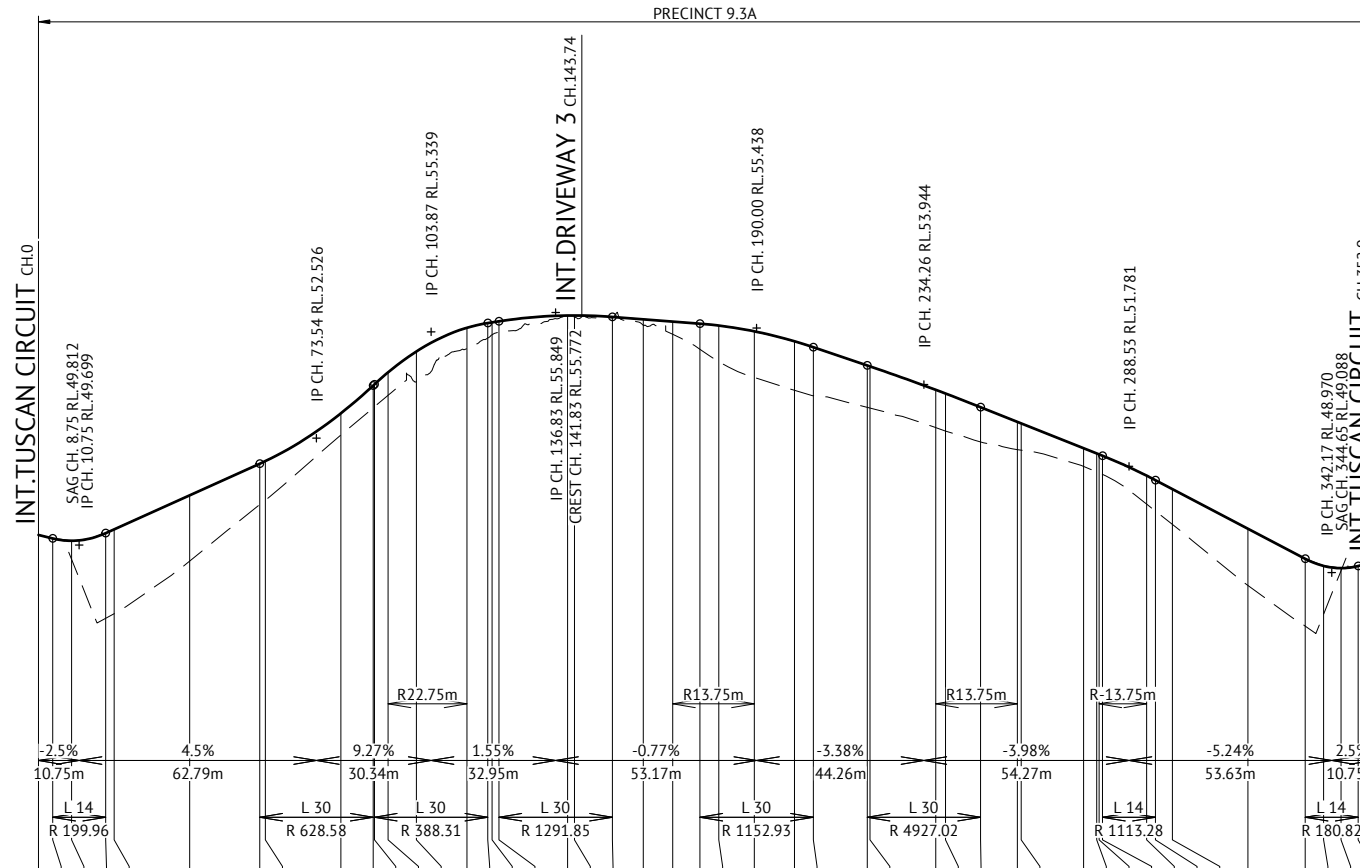
Vertical Curve Radius (m)

DATUM R.L.41.0

CHAINAGE	NATURAL SURFACE	DESIGN SURFACE	RHS LIP LEVEL	LHS LIP LEVEL	CUT (-)/FILL DEPTH
0.00	49.968	49.968			0.000
3.75	49.875	49.874		*	-0.000
8.75	49.322	49.812		*	0.490
17.75	47.761	50.015			2.254
20.00	47.885	50.116			2.231
40.00	49.274	51.016			1.742
58.54	50.769	51.851			1.081
60.00	50.886	51.918			1.032
80.00	52.610	53.483			0.873
88.54	53.327	53.917			0.590
88.87	53.355	53.948			0.593
92.51	53.661	54.268			0.608
100.00	54.023	54.821			0.797
113.56	54.888	55.447			0.559
118.87	55.176	55.571			0.395
120.00	55.259	55.589			0.330
121.83	55.338	55.617			0.280
140.00	55.699	55.771		*	0.072
141.83	55.724	55.772			0.048
151.83	55.704	55.733			0.029
160.00	55.513	55.670			0.157
167.78	55.274	55.610			0.336
175.00	54.879	55.554			0.676
180.00	54.549	55.505			0.955
189.38	54.130	55.353			1.223
200.00	53.792	55.090			1.298
205.00	53.648	54.932			1.283
219.26	53.341	54.450			1.109
220.00	53.323	54.425			1.102
237.38	52.806	53.805			0.999
240.00	52.715	53.706			0.991
249.26	52.425	53.346			0.921
258.98	52.222	52.959			0.737
260.00	52.208	52.918			0.710
276.53	51.778	52.260			0.481
280.00	51.655	52.121			0.466
280.61	51.610	52.097			0.487
281.53	51.570	52.060			0.490
293.21	50.783	51.534			0.750
295.53	50.600	51.414			0.815
300.00	50.247	51.180			0.933
320.00	48.630	50.132			1.501
335.17	47.556	49.336			1.781
340.00	47.866	49.148		*	1.282
344.65	49.028	49.088		*	0.060
349.17	49.145	49.145		*	-0.000
352.92	49.238	49.238		*	0.000

SEPIA CIRCUIT LONGITUDINAL SECTION

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



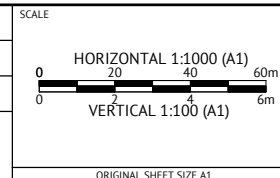
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB



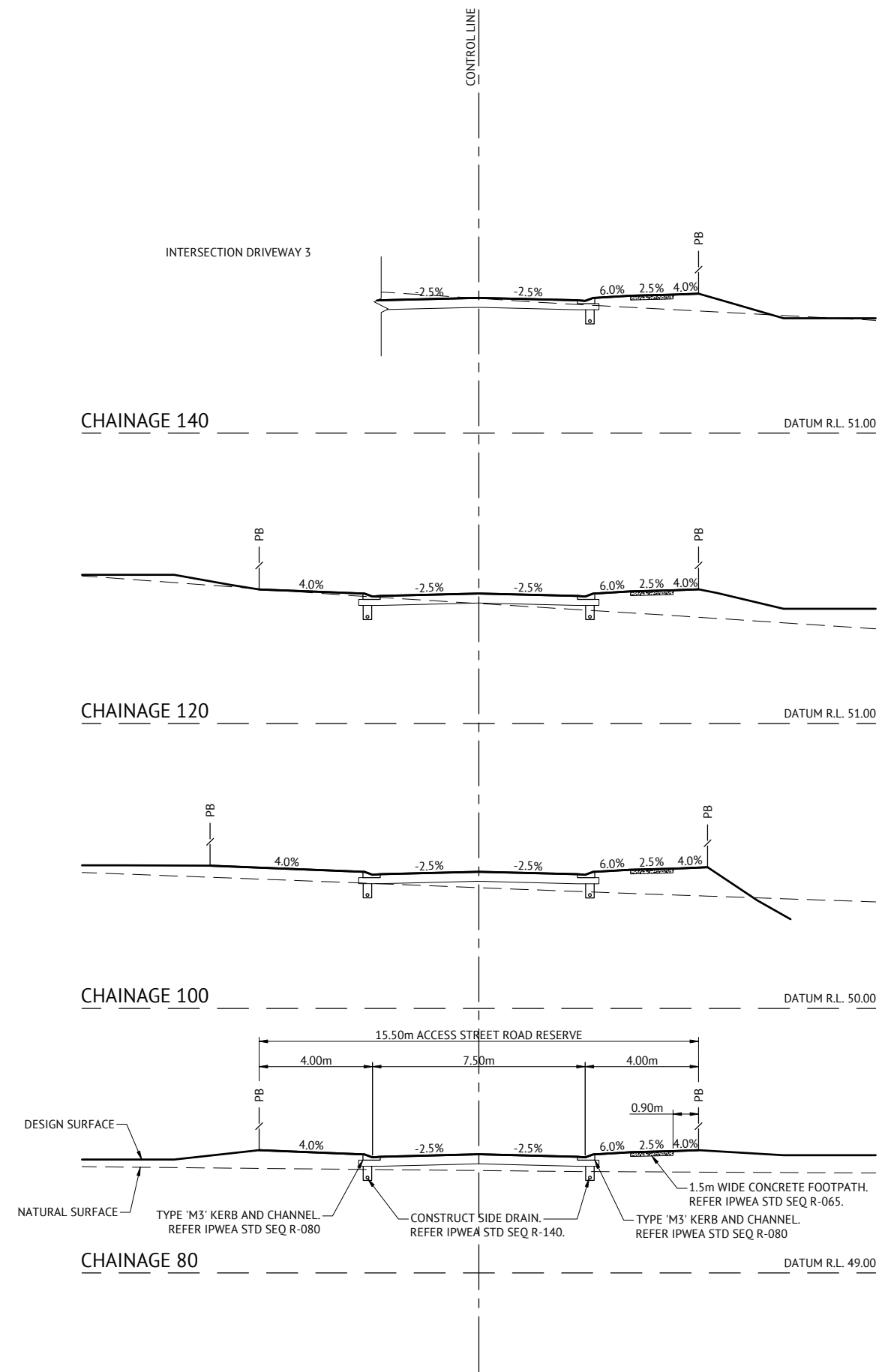
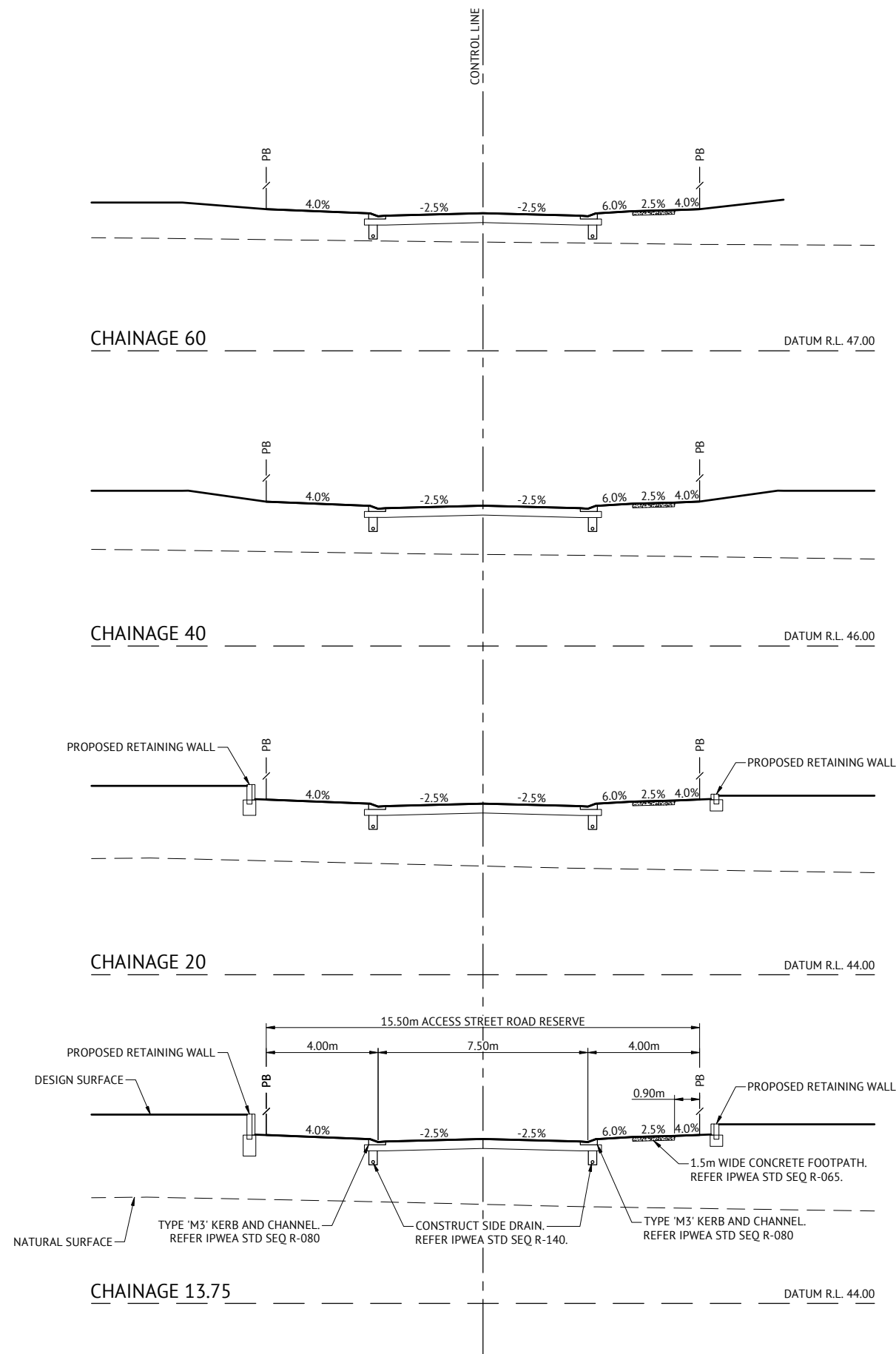
BRISBANE OFFICE
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CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEPIA CIRCUIT LONG & CROSS SECTIONS - SHEET 1 OF 4

JOB CODE
MIR009-03
SHEET NUMBER
C315
REV
B



SEPIA CIRCUIT CROSS SECTION
SCALE 1:100

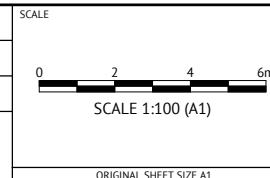
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	B	ISSUED FOR CONSTRUCTION	
15/10/2021	A	ORIGINAL ISSUE	



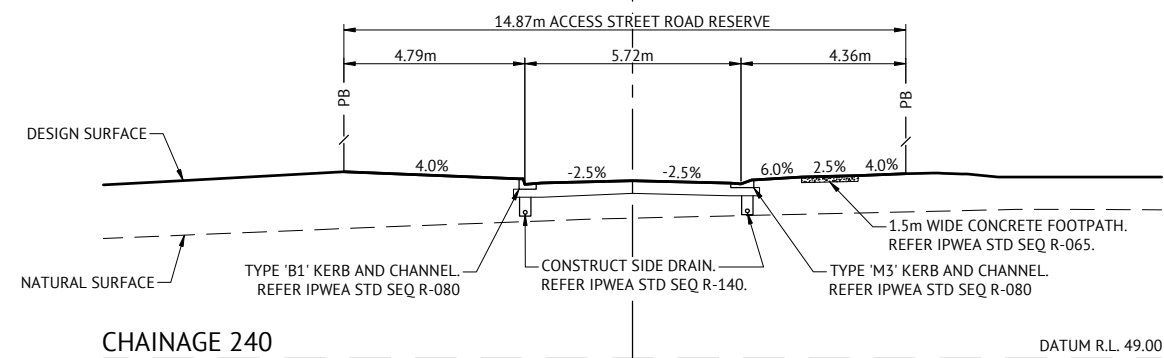
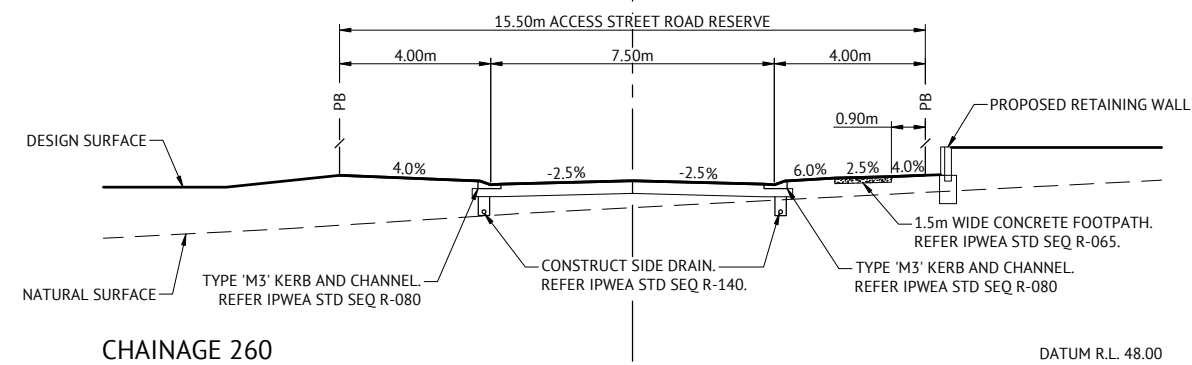
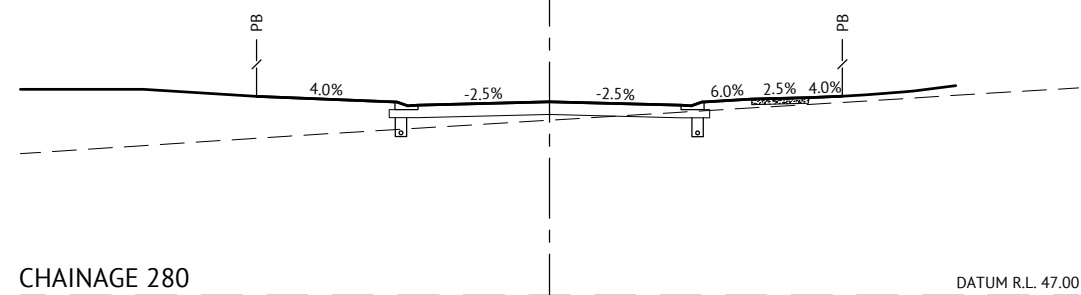
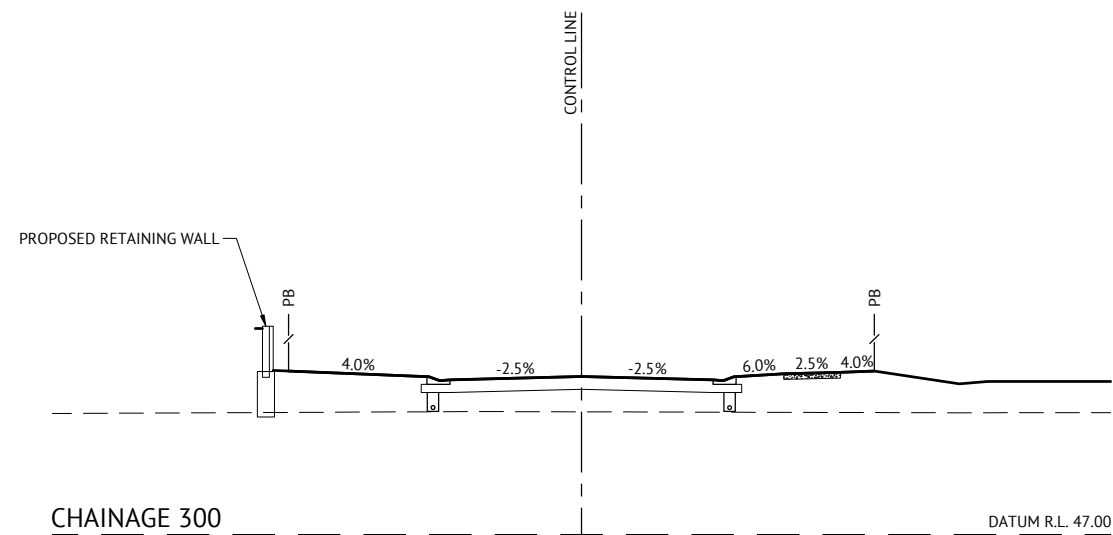
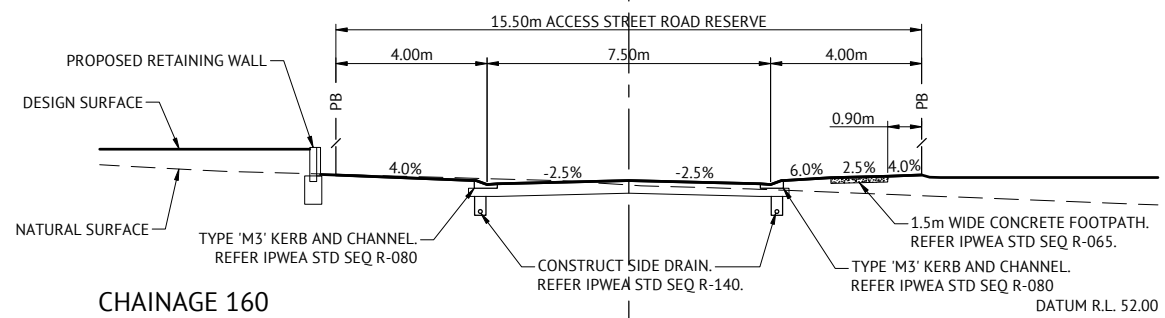
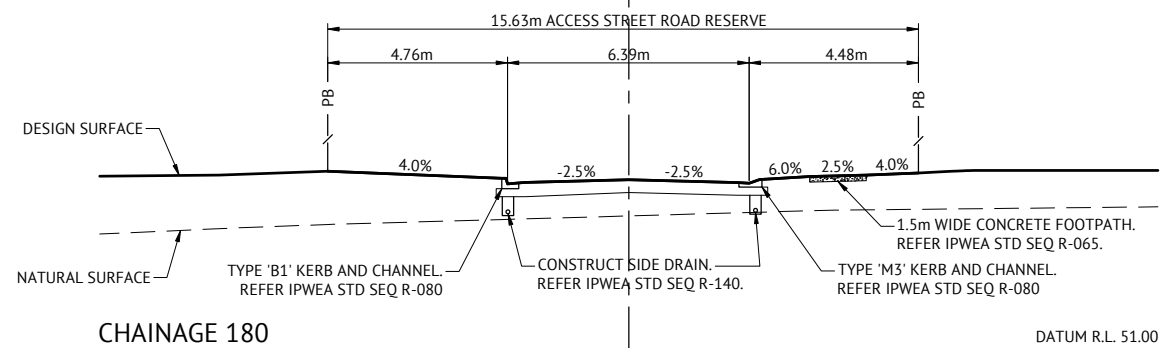
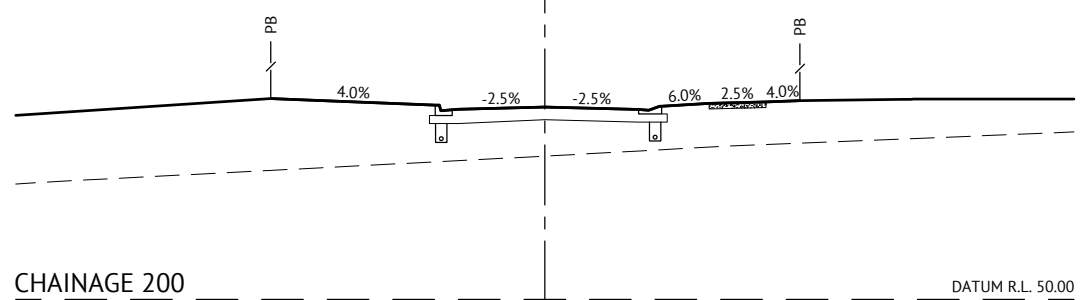
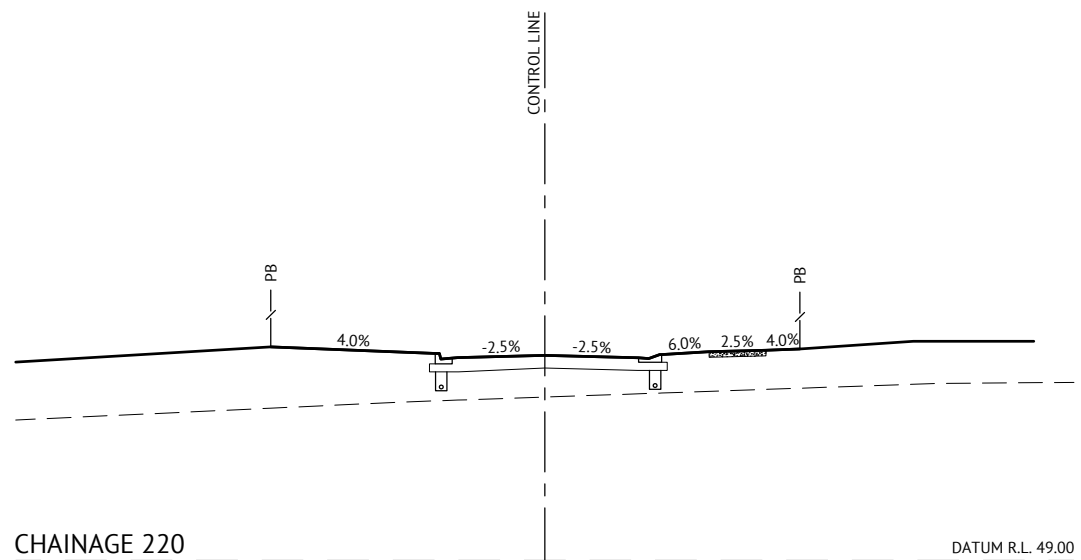
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
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DESIGNED
K KIWANG
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R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PKB
PATRICK BRADY RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEPIA CIRCUIT LONG & CROSS SECTIONS - SHEET 2 OF 4

JOB CODE
MIR009-03
SHEET NUMBER
C316
REV
B



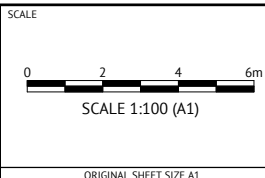
SEPIA CIRCUIT CROSS SECTION
SCALE 1:100

FOR CONSTRUCTION



BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
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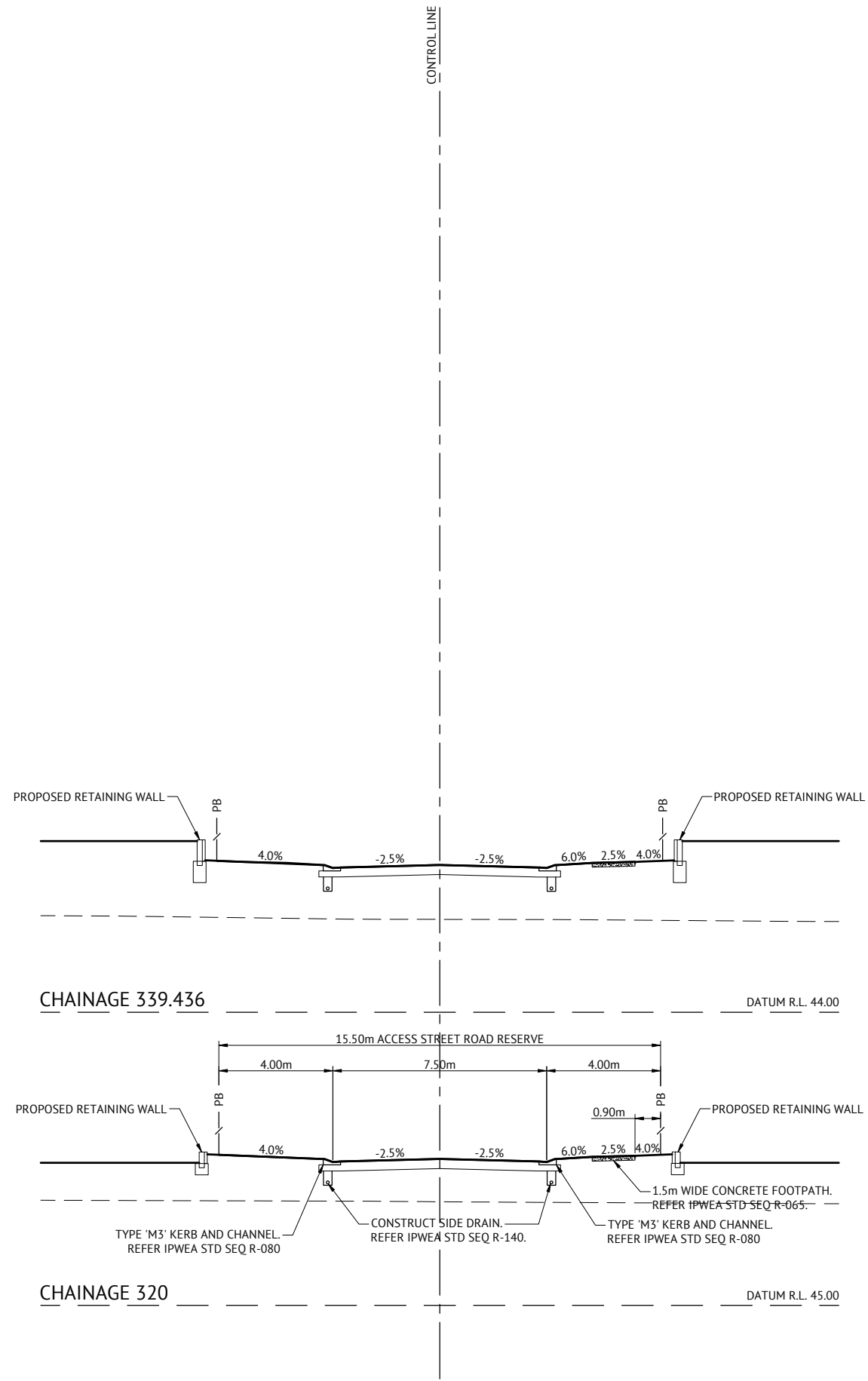
DESIGNED
K KIWANG
CHECKED
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PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEPIA CIRCUIT LONG & CROSS SECTIONS - SHEET 3 OF 4

JOB CODE
MIR009-03
SHEET NUMBER
C317
REV
B

DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB
			REC	APP



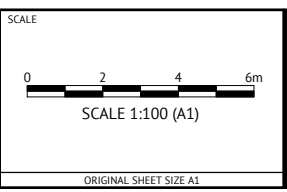
SEPIA CIRCUIT CROSS SECTION
SCALE 1:100

FOR CONSTRUCTION



BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
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S STEINHOFER
PROJECT DIRECTOR
PKB
PATRICK BRADY RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEPIA CIRCUIT LONG & CROSS SECTIONS - SHEET 4 OF 4

JOB CODE
MIR009-03
SHEET NUMBER
C318
REV
B

DATE	REV	DESCRIPTION	REC	APP
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	KESSELS BOULEVARD
CLASS	-	NEIGHBOURHOOD CONNECTOR 2
ESA's	-	6.40 x 10 ⁶
SURFACE	-	50mm AC of 14mm MIX
PRIME	-	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.

* REFER TO INTERSECTION DETAILS PLANS

Horiz Curve Data

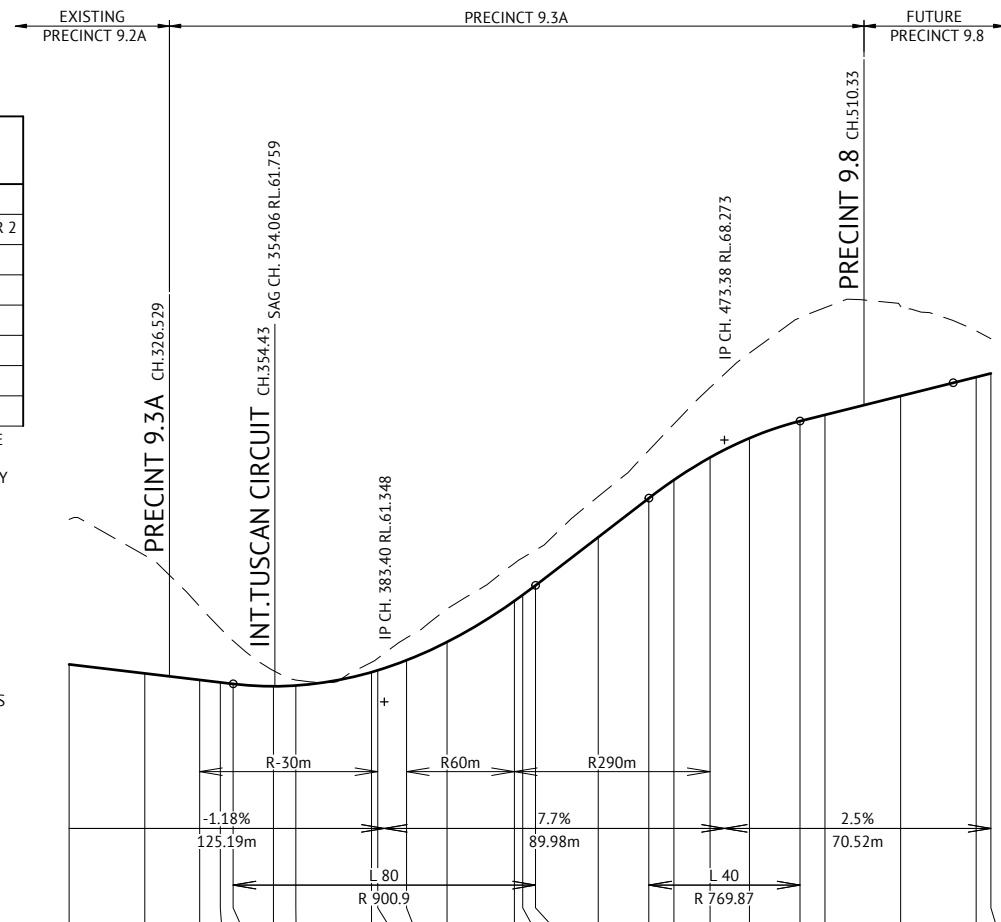
Vertical Geometry Grade (%)
Vertical Grade Length (m)

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

DATUM R.L.55.0

CUT (-)/FILL DEPTH	300.00	320.00	334.52	340.00	343.40	354.06	360.00	380.00	381.64	389.26	400.00	417.81	420.00	423.40	440.00	453.38	460.00	469.59	480.00	493.38	500.00	520.00	540.00	543.90		
LHS LIP LEVEL	62.730	61.956	61.784	61.719	61.679	61.615	61.635	61.989	62.037	62.303	62.786	63.904	64.066	64.321	65.561	66.591	67.072	67.667	68.179	68.634	68.834			-1.221	-0.918	
RHS LIP LEVEL	62.192	61.956	61.784	61.752	*	*	61.993	62.042	62.308	62.791		63.909	64.070	64.324	65.565	66.595	67.076	67.672	68.183	68.634	68.837					
DESIGN SURFACE	62.336	62.099	61.927	61.862	61.822	61.759	61.778	62.132	62.181	62.446	62.930	64.014	64.171	64.426	65.704	66.734	67.215	67.811	68.322	68.773	68.958	69.438			70.056	
NATURAL SURFACE	66.171	65.224	63.872	63.289	62.958	62.167	61.923	62.391	62.497	63.039	63.808	65.011	65.159	65.361	66.780	68.000	68.697	69.660	70.571	71.510	71.774	71.807			71.159	70.954
CHAINAGE	300.00	320.00	334.52	340.00	343.40	354.06	360.00	380.00	381.64	389.26	400.00	417.81	420.00	423.40	440.00	453.38	460.00	469.59	480.00	493.38	500.00	520.00	540.00	543.90		

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



FOR CONSTRUCTION



BRISBANE OFFICE
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WEB: www.premise.com.au

DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY

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

CLIENT

MIRVAC QLD PTY LTD

PROJECT

EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION

TEVIOT ROAD, GREENBANK

SHEET TITLE

KESSELS BOULEVARD LONG & CROSS SECTIONS - SHEET 1 OF 2

JOB CODE

MIR009-03

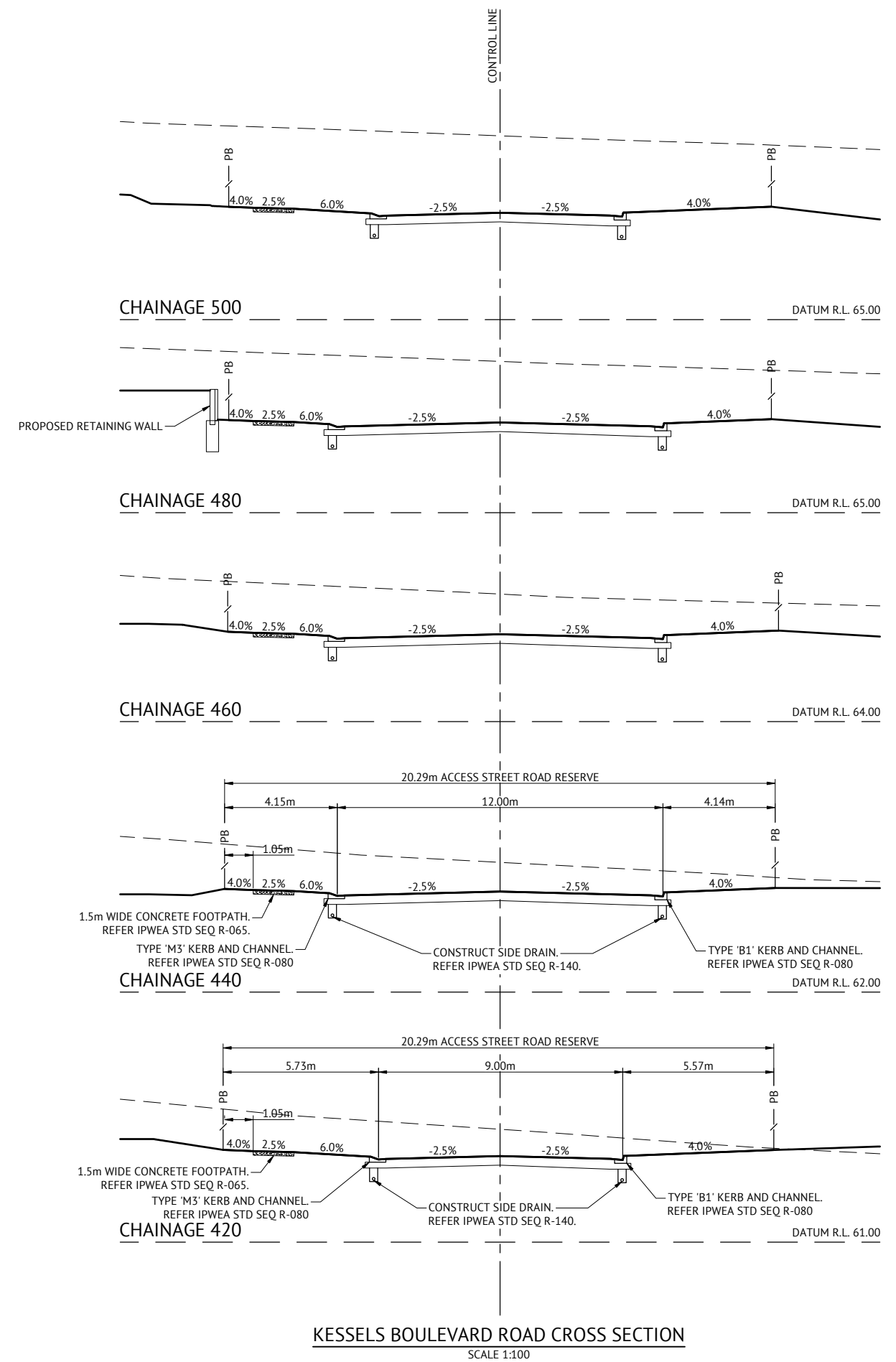
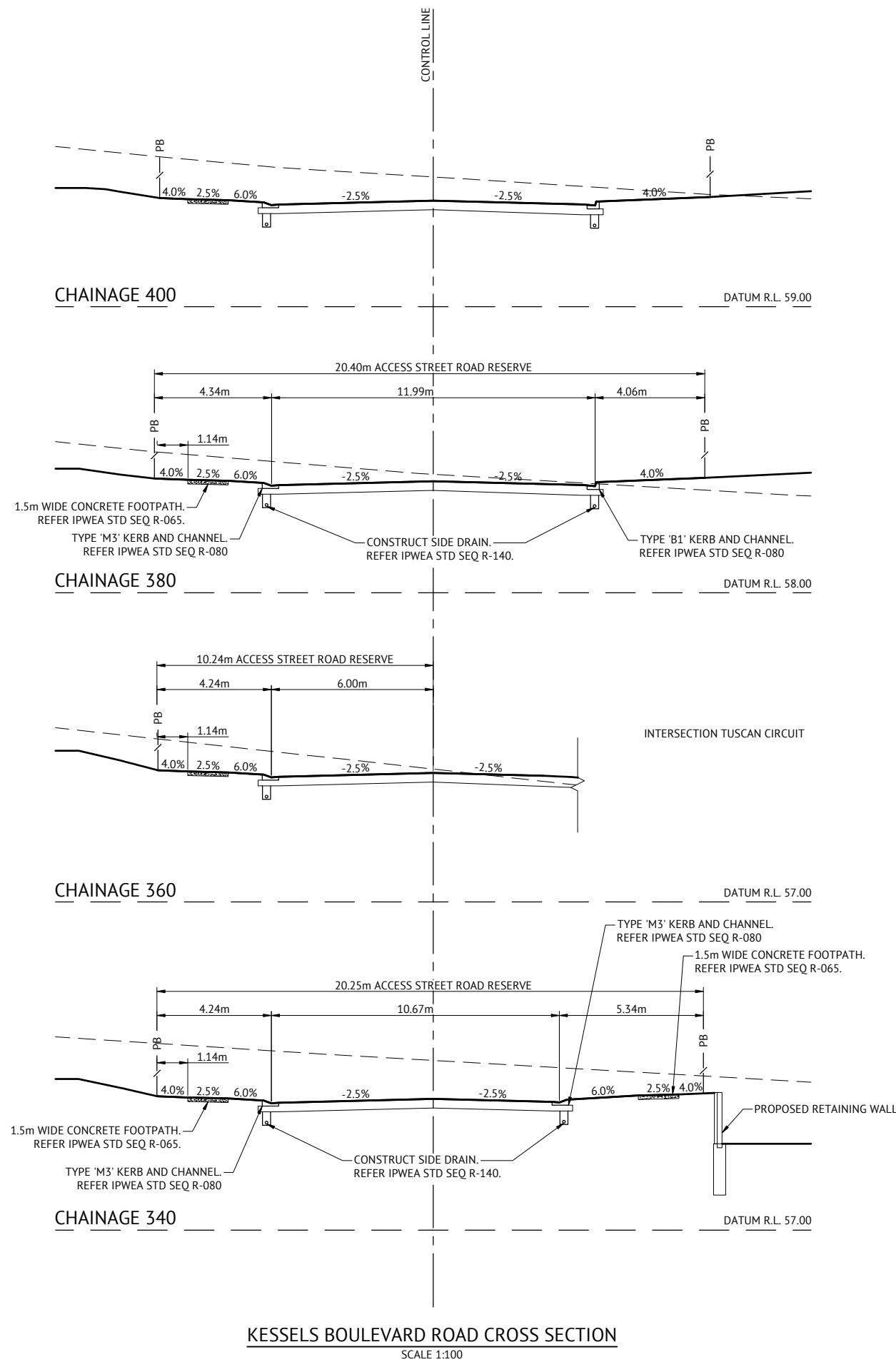
SHEET NUMBER

C319

REV

B

DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB
			REC	APP



FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION		
15/10/2021	A	ORIGINAL ISSUE		

Premise

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R BARGER

PROJECT MANAGER
S STEINHOFER

PROJECT DIRECTOR
PATRICK BRADY

RPEQ 7112

SCALE

SCALE 1:100 (A1)

ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
KESSELS BOULEVARD LONG & CROSS SECTIONS - SHEET 2 OF 2

JOB CODE
MIR009-03

SHEET NUMBER
C320

REV
B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	DRIVEWAY 3
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

Horiz Curve Data

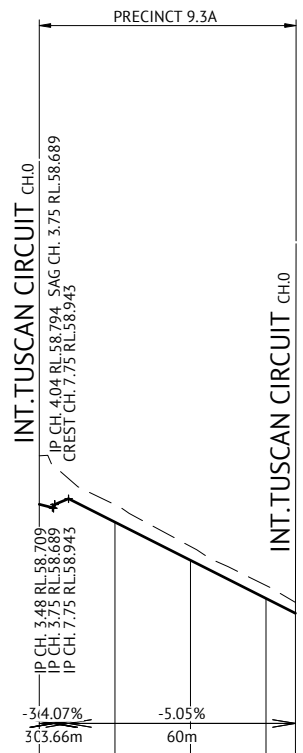
Vertical Geometry Grade (%)
Vertical Grade Length (m)

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

DATUM R.L.50.0

CUT (-)/FILL DEPTH			-0.460	-0.368	-0.343	-0.287
LHS LIP LEVEL		58.282	57.271	56.261		
RHS LIP LEVEL		58.371	57.361	56.351		
DESIGN SURFACE	58.796	58.325	57.314	56.304	55.913	
NATURAL SURFACE		58.785	57.682	56.647	56.200	
CHAINAGE	-0.00	20.00	40.00	60.00	67.75	

DRIVEWAY 3 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)



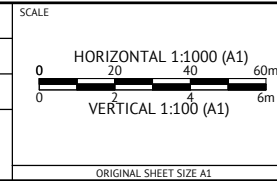
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB



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PROJECT DIRECTOR
Patrick Brady
PATRICK BRADY RPEQ 7112



CLIENT

MIRVAC QLD PTY LTD

PROJECT

EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION

TEVIOT ROAD, GREENBANK

SHEET TITLE

DRIVEWAY 3 LONG & CROSS SECTIONS

JOB CODE

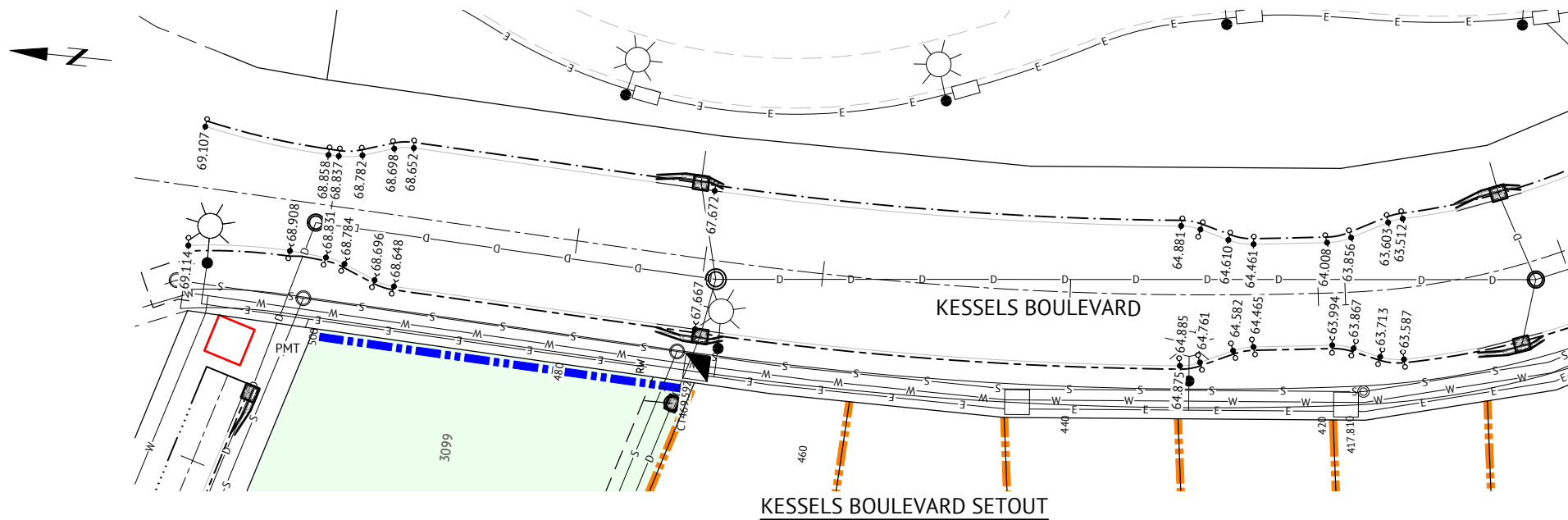
MIR009-03

SHEET NUMBER

C321

REV

B



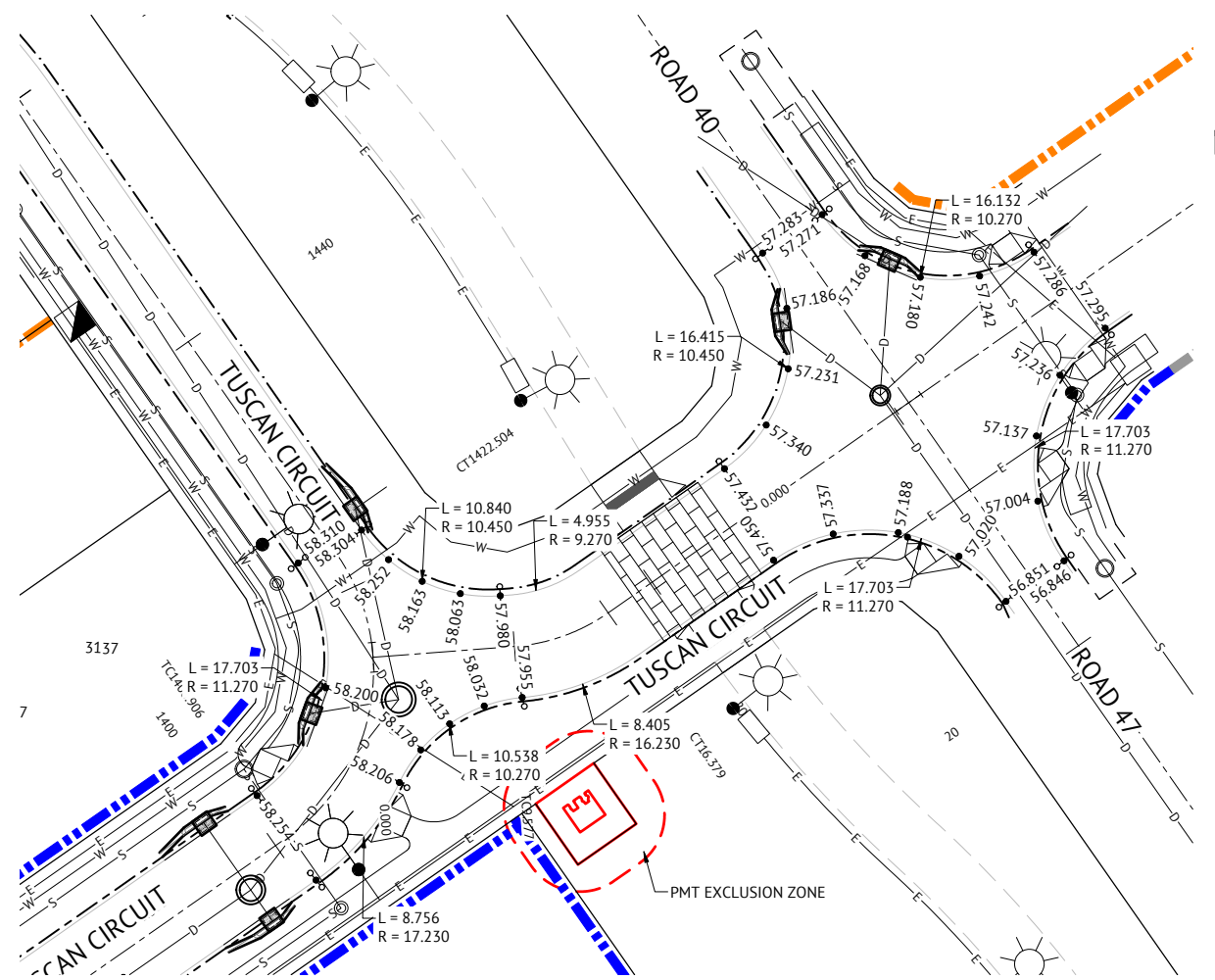
KESSELS BOULEVARD SETOUT

LEGEND - PROPOSED

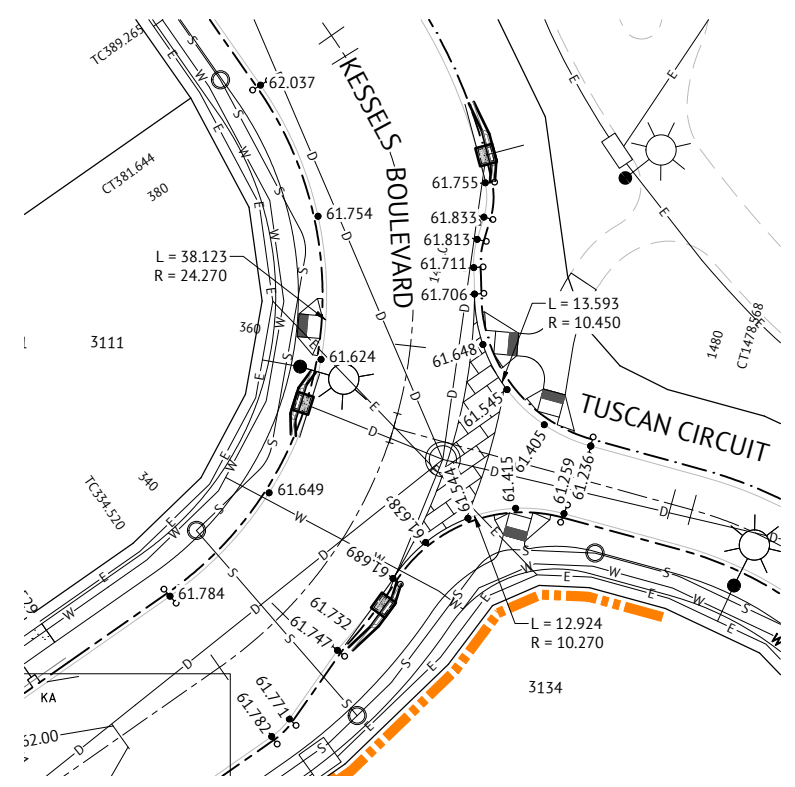
- 12.0 — FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.10m)
- PROPOSED 1.5m WIDE CONCRETE FOOTPATH. (UNO) REFER CONC. REQUIREMENTS ON DRG. No. C300
- PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
- — — PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- — — PROPOSED IPWEA TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- — — PROPOSED IPWEA TYPE 'B2' KERB ONLY. REFER IPWEA STD DWG RS-080.
- — — PROPOSED IPWEA TYPE 'IN1' CHANNEL. REFER IPWEA STD DWG RS-080.
- 12.497 ● LIP OF KERB LEVEL
- TRANSITION IN KERB AND CHANNEL TYPE
- D — PROPOSED STORMWATER
- S — PROPOSED SEWER
- W — PROPOSED WATER
- E — PROPOSED ELECTRICAL
- — — PROPOSED CONCRETE SLEEPER RETAINING WALL
- — — PROPOSED CONCRETE PANEL RETAINING WALL

LEGEND - CONSTRUCTED

- D — — — EXISTING STORMWATER
- S — — — EXISTING SEWER
- W — — — EXISTING WATER
- E — — — EXISTING ELECTRICAL
- T — — — EXISTING TELSTRA
- G — — — EXISTING GAS
- RM — — — EXISTING SEWER RISING MAIN



TUSCAN CIRCUIT INTERSECTION AND TURN AROUND



INTERSECTION TUSCAN CIRCUIT AND KESSELS BOULEVARD

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

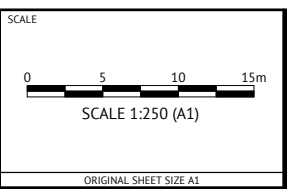
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
13/01/2021	B	ADDED ELECTRICAL LINWORK	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB
			REC APP



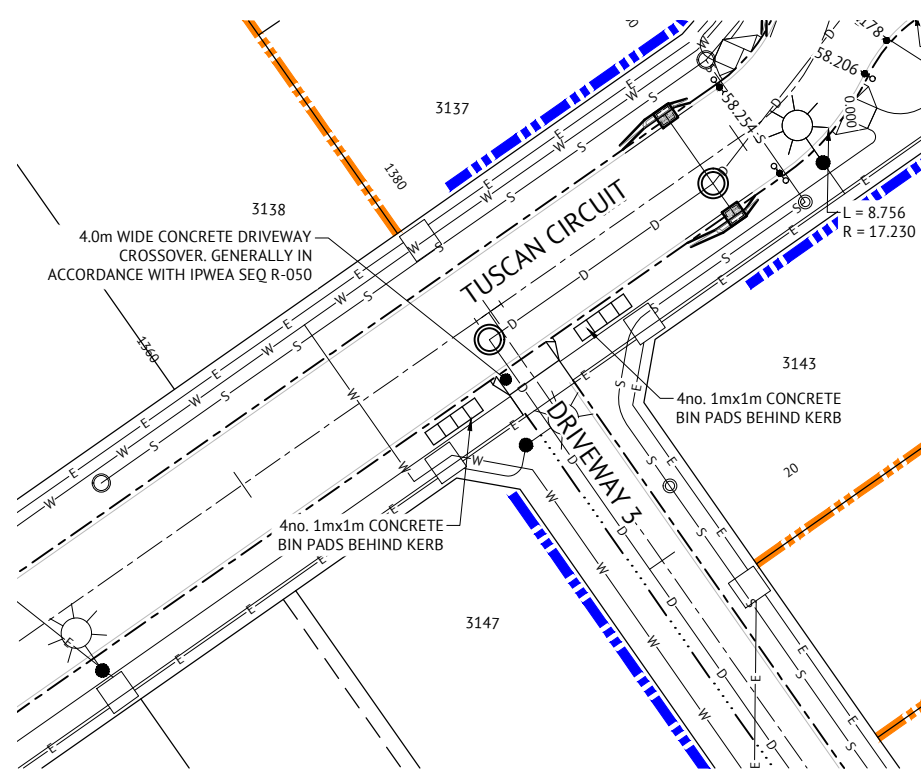
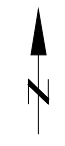
DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY

PKB
RPEQ 7112

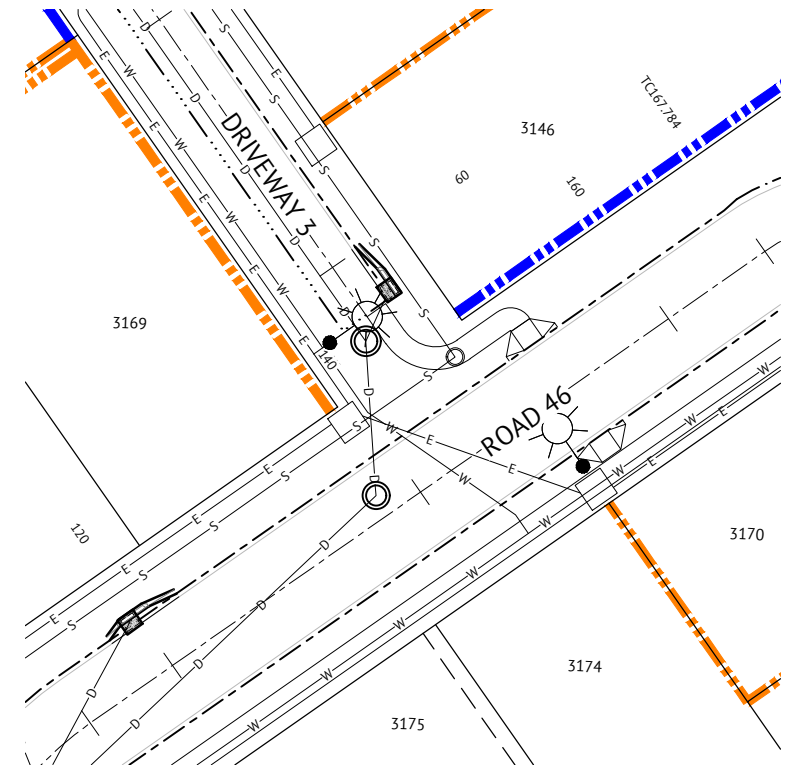


CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
INTERSECTION DETAILS LAYOUT - SHEET 1 OF 2

JOB CODE
MIR009-03
SHEET NUMBER
C325
REV
B



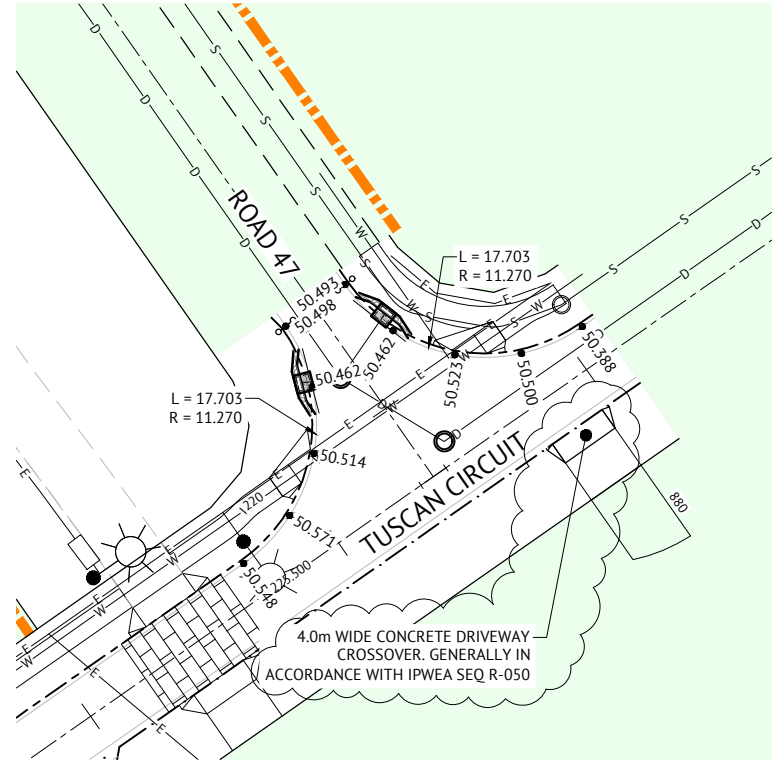
INTERSECTION TUSCAN CIRCUIT & DRIVEWAY 3



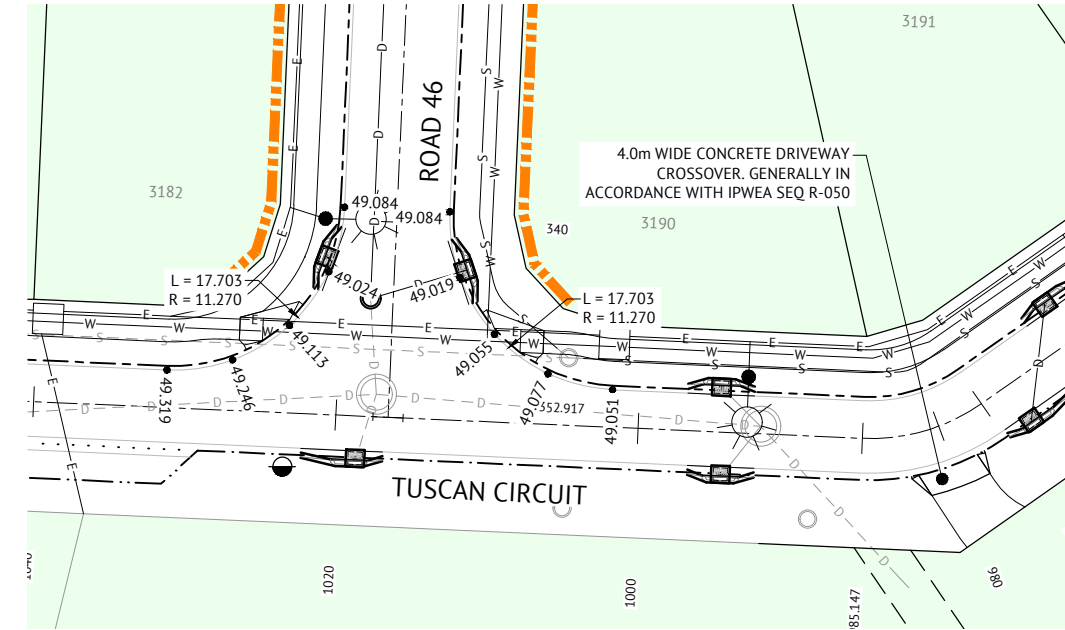
INTERSECTION ROAD 46 & DRIVEWAY 3

- LEGEND - PROPOSED**
- 12.0 FINISHED MAJOR CONTOURS (0.50m)
 - FINISHED MINOR CONTOURS (0.10m)
 - PROPOSED 1.5m WIDE CONCRETE FOOTPATH. (UNO) REFER CONC. REQUIREMENTS ON DRG. No. C300
 - PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
 - PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
 - PROPOSED IPWEA TYPE 'B1' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
 - PROPOSED IPWEA TYPE 'B2' KERB ONLY. REFER IPWEA STD DWG RS-080.
 - PROPOSED IPWEA TYPE 'INV' CHANNEL. 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

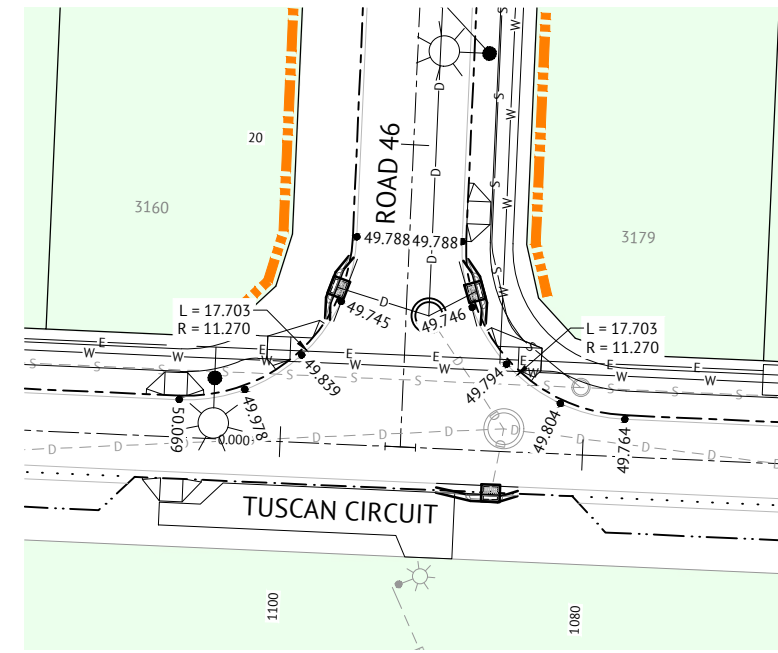
- LEGEND - CONSTRUCTED**
- EXISTING STORMWATER
 - EXISTING SEWER
 - EXISTING WATER
 - EXISTING ELECTRICAL
 - EXISTING TELSTRA
 - EXISTING GAS
 - EXISTING SEWER RISING MAIN



INTERSECTION TUSCAN CIRCUIT & ROAD 47



INTERSECTION TUSCAN CIRCUIT & ROAD 46
DETAIL 1



INTERSECTION TUSCAN CIRCUIT & ROAD 46
DETAIL 2

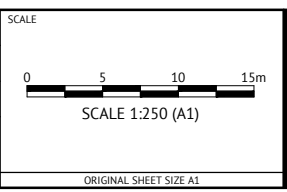
NOTE
LEVELS AND SETOUT INFORMATION FOR KERB AND CHANNEL CONSTRUCTION IS GIVEN TO LIP OF KERB.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS	KK	PB
13/01/2021	B	ADDED DRIVEWAY AND ELECTRICAL LINWORK		KK	PB
15/10/2021	A	ORIGINAL ISSUE		VKH	PB
				REC	APP



DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

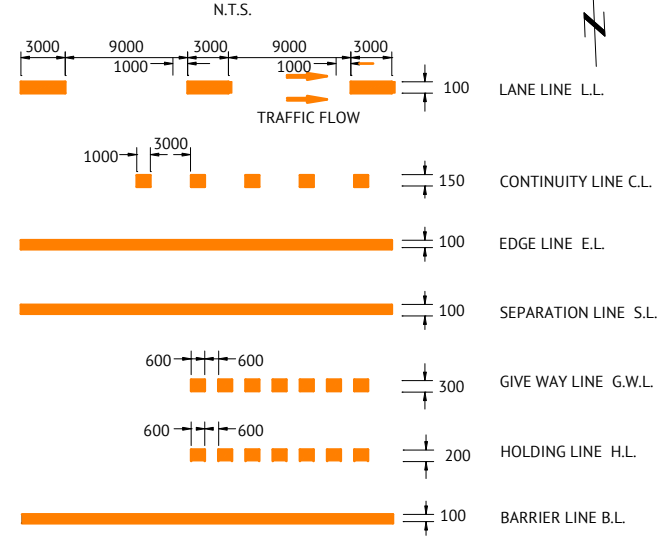


CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
INTERSECTION DETAILS LAYOUT - SHEET 2 OF 2

JOB CODE
MIR009-03
SHEET NUMBER
C326
REV
B



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 BDS-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.

REQUIRED SIGNS



LEGEND

DURATHEN THRESHOLD TREATMENT COLOUR - LIME GREEN (EX BRICK'N PAVE CODE 603B) PATTERN - HONEYCOMB

TACTILE GROUND SURFACE INDICATORS (TGSIs) TO BE INSTALLED AT ALL KERB RAMP ON MAJOR ROADS IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1428.1 (2009)

JOINS DRAWING C331

FOR CONSTRUCTION			
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH 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
K KIWANG

CHECKED
R BARGER

PROJECT MANAGER
S STEINHOFER

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 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

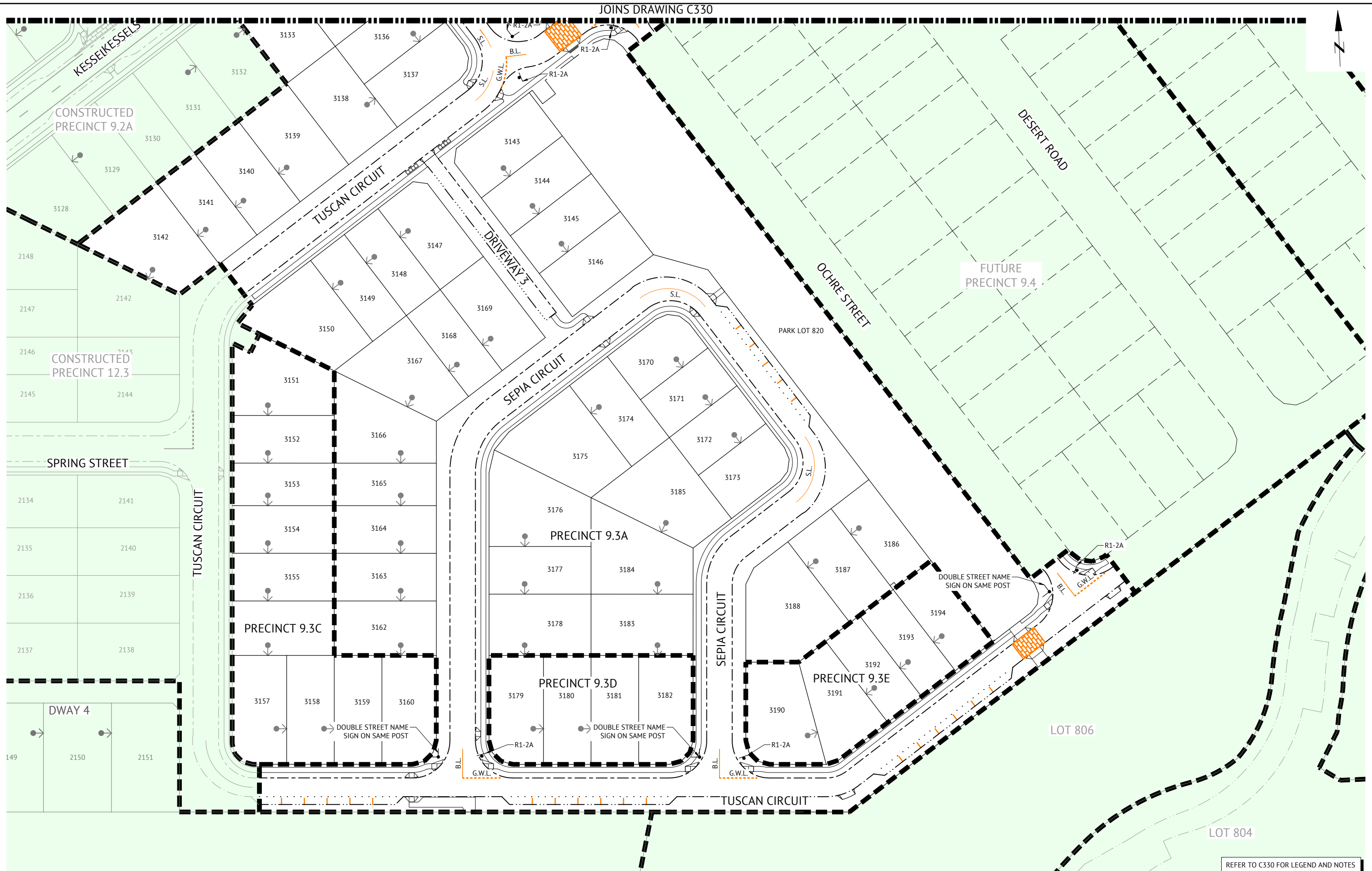
LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
PAVEMENT MARKINGS AND SIGNAGE LAYOUT - SHEET 1 OF 2

JOB CODE
MIR009-03

SHEET NUMBER
C330

REV
B



FUTURE
PRECINCT 9.4

CONSTRUCTED
PRECINCT 9.2A

CONSTRUCTED
PRECINCT 12.3

REFER TO C330 FOR LEGEND AND NOTES

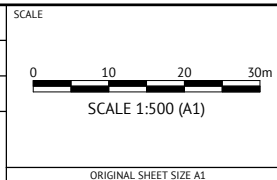
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION		
15/10/2021	A	ORIGINAL ISSUE		
			KK	PB
			VKH	PB
			REC	APP



BRISBANE OFFICE
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BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFFER
PROJECT DIRECTOR
[Signature]
PATRICK BRADY RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

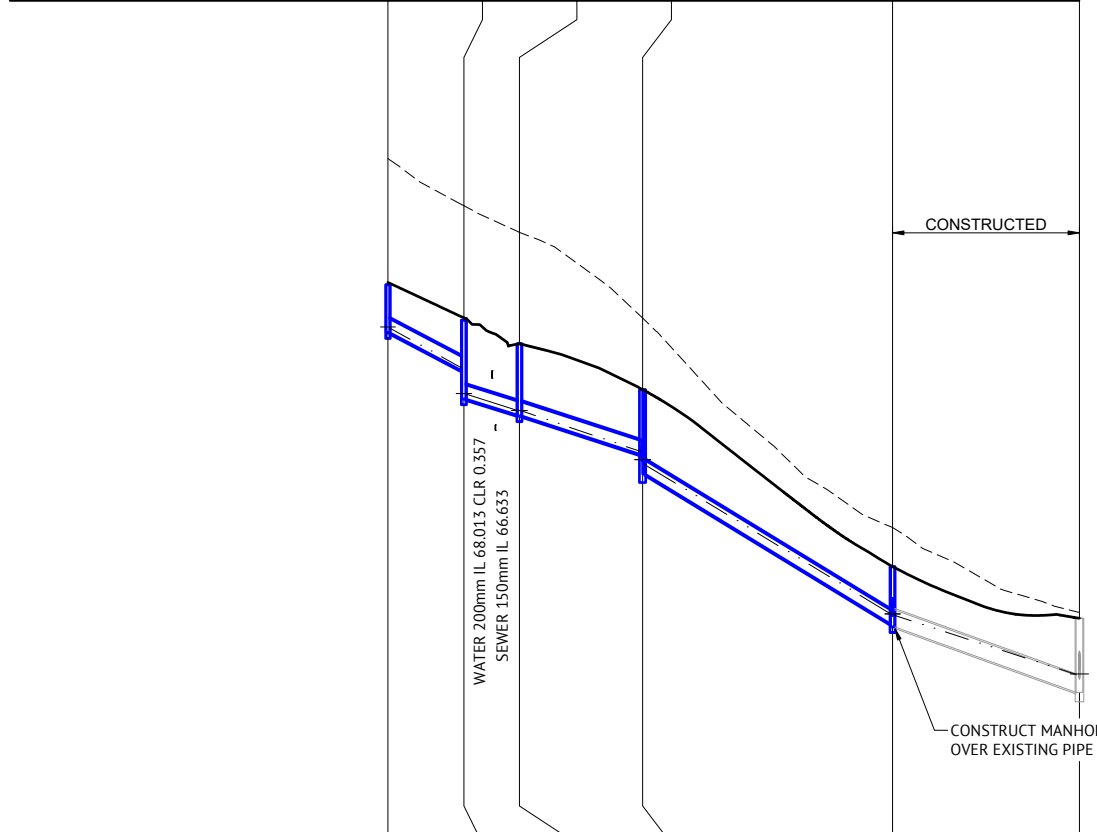
SHEET TITLE
PAVEMENT MARKINGS AND SIGNAGE LAYOUT - SHEET 2 OF 2

JOB CODE
MIR009-03

SHEET NUMBER
C331

REV
B

STRUCTURE NAME	1/546	1A/546	2/546	3/546	4/546	5/546
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel ON 1050mm DIA MANHOLE	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1050mm DIA

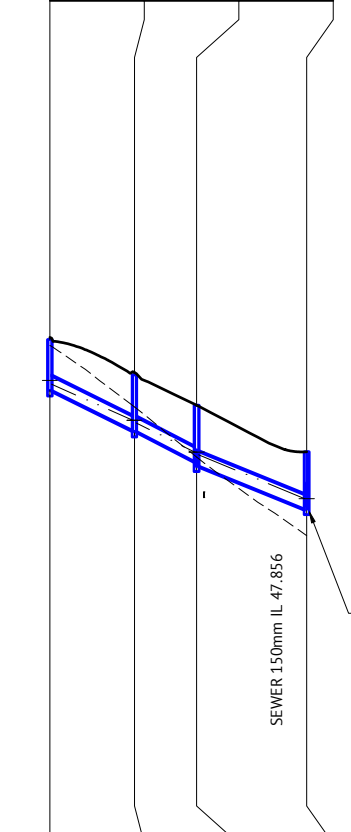


PIPE SIZE (mm)	375	375	375	375	450	
PIPE CLASS	2	2	2	2	2	
PIPE GRADE (%)	5.00%	2.90%	3.14%	6.00%	3.50%	
PIPE SLOPE (1 in X)	20.0	34.5	31.9	16.7	28.6	
FULL PIPE VELOCITY (m/s)	0.28	0.32	0.32	1.03	1.18	
PART FULL VELOCITY (m/s)	2.11	1.81	1.86	3.28	3.06	
PIPE FLOW (cumecs)	0.031	0.035	0.035	0.114	0.188	
PIPE CAPACITY AT GRADE (cumecs)	0.392	0.299	0.311	0.430	0.534	
DATUM RL	50.0					

WSE IN STRUCTURE	69.370	67.612	67.162	65.860	61.782	60.181
HGL IN PIPE	69.342	68.283	67.598	67.160	66.080	60.181
DEPTH OF INVERT BELOW FSL	1.273	1.341	2.090	1.891	1.911	1.960
INVERT LEVEL	69.216	67.463	67.017	65.995	65.479	59.705
FINISHED (& EXISTING) SURFACE LEVEL	70.489 (73.823)	69.553 (72.579)	68.928 (71.874)	67.712 (69.607)	63.028 (64.067)	61.665 (61.821)
CHAINAGE	0.000	20.083	34.799	32.584	66.148	182.959

LINE 546

1/549	2/549	3/549	4/549
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1050mm DIA

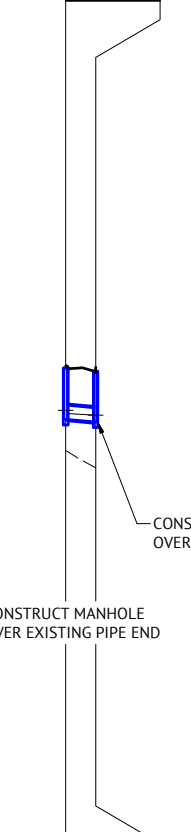


PIPE SIZE (mm)	375	375	375
PIPE CLASS	2	2	2
PIPE GRADE (%)	4.74%	4.86%	3.91%
PIPE SLOPE (1 in X)	21.1	20.6	25.6
FULL PIPE VELOCITY (m/s)	0.45	0.82	1.47
PART FULL VELOCITY (m/s)	2.39	2.86	3.09
PIPE FLOW (cumecs)	0.050	0.090	0.162
PIPE CAPACITY AT GRADE (cumecs)	0.382	0.387	0.347
DATUM RL	33.0		

WSE IN STRUCTURE	50.956	49.901	49.061
HGL IN PIPE	50.855	49.901	48.989
DEPTH OF INVERT BELOW FSL	1.343	1.475	1.609
INVERT LEVEL	50.693	49.610	48.693
FINISHED (& EXISTING) SURFACE LEVEL	52.036 (51.879)	51.105 (50.255)	50.302 (48.931)
CHAINAGE	0.000	22.405	29.103

LINE 549

1/553	2/553
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA KERB INLET L.L.I.; 2.4m Lintel

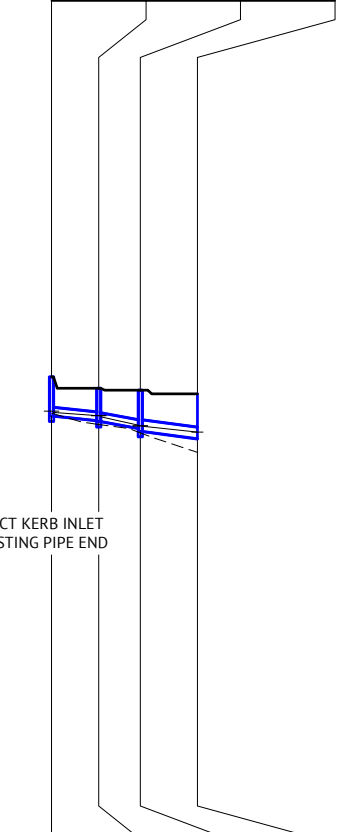


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	0.81%
PIPE SLOPE (1 in X)	122.9
FULL PIPE VELOCITY (m/s)	0.42
PART FULL VELOCITY (m/s)	1.24
PIPE FLOW (cumecs)	0.046
PIPE CAPACITY AT GRADE (cumecs)	0.158
DATUM RL	31.0

WSE IN STRUCTURE	48.164
HGL IN PIPE	48.079
DEPTH OF INVERT BELOW FSL	1.362
INVERT LEVEL	47.924
FINISHED (& EXISTING) SURFACE LEVEL	49.285 (47.098)
CHAINAGE	0.000

LINE 553

1/564	2/564	3/564	3A/564
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	SEALED PIPE END

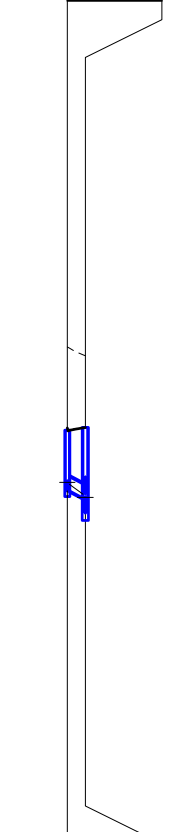


PIPE SIZE (mm)	225	225	300
PIPE CLASS	uPVC	uPVC	uPVC
PIPE GRADE (%)	1.00%	1.70%	1.30%
PIPE SLOPE (1 in X)	100.0	58.8	76.9
FULL PIPE VELOCITY (m/s)	0.31	0.55	0.44
PART FULL VELOCITY (m/s)	1.09	1.54	1.52
PIPE FLOW (cumecs)	0.012	0.022	0.031
PIPE CAPACITY AT GRADE (cumecs)	0.053	0.069	0.130
DATUM RL	41.0		

WSE IN STRUCTURE	58.143	58.024	57.754
HGL IN PIPE	58.109	58.024	57.746
DEPTH OF INVERT BELOW FSL	1.052	0.857	1.089
INVERT LEVEL	58.018	57.873	57.611
FINISHED (& EXISTING) SURFACE LEVEL	59.050 (58.090)	58.750 (57.789)	58.700 (57.568)
CHAINAGE	0.000	12.500	15.103

LINE 564

1/565	3/546
IPWEA KERB INLET L.L.I.; 2.4m Lintel ON 1050mm DIA MANHOLE	IPWEA MANHOLE 1200mm DIA

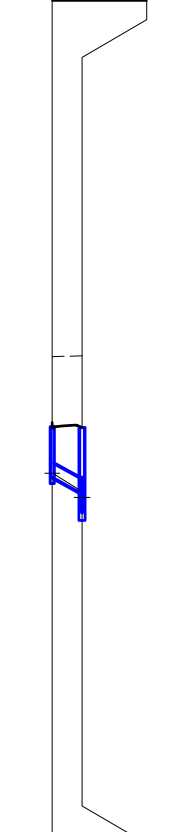


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	4.00%
PIPE SLOPE (1 in X)	25.0
FULL PIPE VELOCITY (m/s)	0.52
PART FULL VELOCITY (m/s)	2.35
PIPE FLOW (cumecs)	0.058
PIPE CAPACITY AT GRADE (cumecs)	0.351
DATUM RL	51.0

WSE IN STRUCTURE	66.260
HGL IN PIPE	66.210
DEPTH OF INVERT BELOW FSL	1.605
INVERT LEVEL	66.035
FINISHED (& EXISTING) SURFACE LEVEL	67.640 (69.841)
CHAINAGE	0.000

LINE 565

1/566	3/546
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA

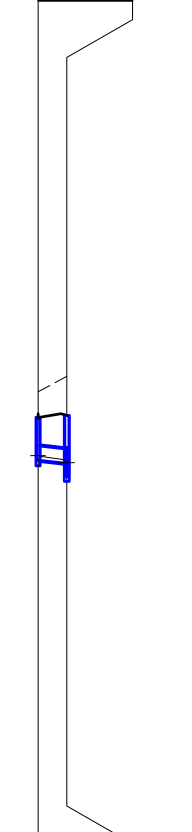


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	4.85%
PIPE SLOPE (1 in X)	20.6
FULL PIPE VELOCITY (m/s)	0.19
PART FULL VELOCITY (m/s)	1.88
PIPE FLOW (cumecs)	0.021
PIPE CAPACITY AT GRADE (cumecs)	0.386
DATUM RL	51.0

WSE IN STRUCTURE	66.500
HGL IN PIPE	66.481
DEPTH OF INVERT BELOW FSL	1.355
INVERT LEVEL	66.377
FINISHED (& EXISTING) SURFACE LEVEL	67.732 (69.574)
CHAINAGE	0.000

LINE 566

1/567	4/546
IPWEA KERB INLET L.L.I.; 2.4m Lintel	IPWEA MANHOLE 1050mm DIA



PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.03%
PIPE SLOPE (1 in X)	97.0
FULL PIPE VELOCITY (m/s)	0.19
PART FULL VELOCITY (m/s)	1.09
PIPE FLOW (cumecs)	0.021
PIPE CAPACITY AT GRADE (cumecs)	0.178
DATUM RL	46.0

WSE IN STRUCTURE	61.969
HGL IN PIPE	61.950
DEPTH OF INVERT BELOW FSL	1.137
INVERT LEVEL	61.846
FINISHED (& EXISTING) SURFACE LEVEL	62.983 (63.650)
CHAINAGE	0.000

LINE 567

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION		
15/10/2021	A	ORIGINAL ISSUE		

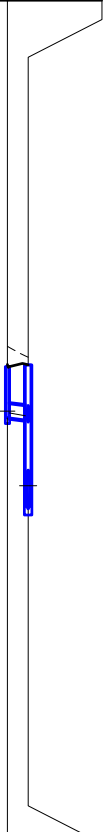
Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 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 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 1 OF 5
 JOB CODE
MIR009-03
 SHEET NUMBER
C410
 REV
B

STRUCTURE NAME	1/575
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.: 2.4m Lintel
	8/546
	IPWEA MANHOLE 1500mm DIA

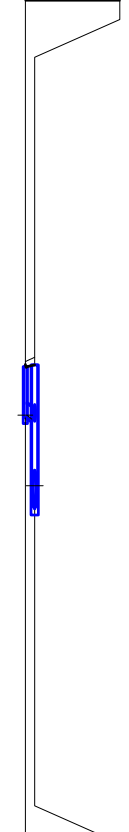


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.31
PART FULL VELOCITY (m/s)	1.23
PIPE FLOW (cumecs)	0.034
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	40.0

WSE IN STRUCTURE	57.141
HGL IN PIPE	57.094
DEPTH OF INVERT BELOW FSL	1.356
INVERT LEVEL	56.961
FINISHED (& EXISTING) SURFACE LEVEL	58.316 (58.851)
CHAINAGE	0.000 5.467 5.467

LINE 575

STRUCTURE NAME	1/576
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.: 2.4m Lintel
	8/546
	TMR MANHOLE 1500mm DIA

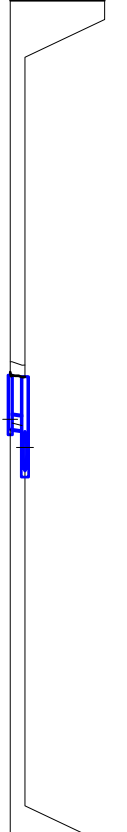


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	3.10%
PIPE SLOPE (1 in X)	32.3
FULL PIPE VELOCITY (m/s)	0.09
PART FULL VELOCITY (m/s)	1.27
PIPE FLOW (cumecs)	0.010
PIPE CAPACITY AT GRADE (cumecs)	0.309
DATUM RL	40.0

WSE IN STRUCTURE	57.034
HGL IN PIPE	57.030
DEPTH OF INVERT BELOW FSL	1.356
INVERT LEVEL	56.961
FINISHED (& EXISTING) SURFACE LEVEL	58.316 (58.448)
CHAINAGE	0.000 2.468 2.468

LINE 576

STRUCTURE NAME	1/577
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.: 2.4m Lintel
	10/546
	IPWEA MANHOLE 1500mm DIA

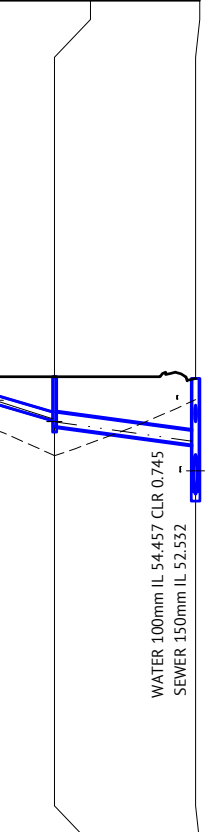


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.45
PART FULL VELOCITY (m/s)	1.37
PIPE FLOW (cumecs)	0.050
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	38.0

WSE IN STRUCTURE	54.926
HGL IN PIPE	54.825
DEPTH OF INVERT BELOW FSL	1.428
INVERT LEVEL	54.663
FINISHED (& EXISTING) SURFACE LEVEL	56.049 (56.445)
CHAINAGE	0.000 3.917 3.917

LINE 577

STRUCTURE NAME	1/578
STRUCTURE DESCRIPTION	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE
	2/578
	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE
	12/546
	IPWEA MANHOLE 1800mm DIA

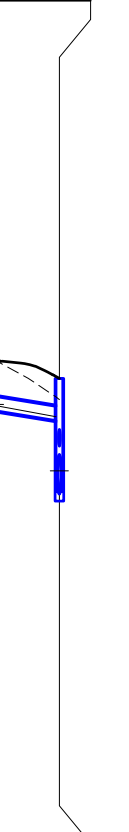


PIPE SIZE (mm)	225	375
PIPE CLASS	uPVC	2
PIPE GRADE (%)	2.80%	1.30%
PIPE SLOPE (1 in X)	35.7	76.9
FULL PIPE VELOCITY (m/s)	0.27	0.25
PART FULL VELOCITY (m/s)	1.51	1.28
PIPE FLOW (cumecs)	0.011	0.028
PIPE CAPACITY AT GRADE (cumecs)	0.089	0.200
DATUM RL	37.0	

WSE IN STRUCTURE	54.428
HGL IN PIPE	54.402
DEPTH OF INVERT BELOW FSL	0.733
INVERT LEVEL	54.317
FINISHED (& EXISTING) SURFACE LEVEL	55.050 (53.635)
CHAINAGE	0.000 15.438 15.438 37.348 52.786

LINE 578

STRUCTURE NAME	1/579
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.: 2.4m Lintel
	12/546
	IPWEA MANHOLE 1800mm DIA

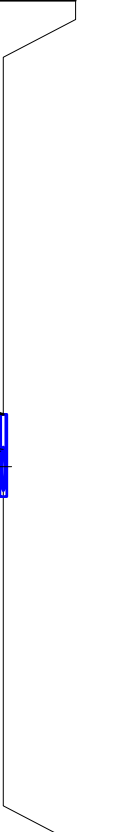


PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.50%
PIPE SLOPE (1 in X)	66.7
FULL PIPE VELOCITY (m/s)	0.31
PART FULL VELOCITY (m/s)	1.42
PIPE FLOW (cumecs)	0.034
PIPE CAPACITY AT GRADE (cumecs)	0.215
DATUM RL	37.0

WSE IN STRUCTURE	54.320
HGL IN PIPE	54.274
DEPTH OF INVERT BELOW FSL	1.349
INVERT LEVEL	54.142
FINISHED (& EXISTING) SURFACE LEVEL	55.492 (55.461)
CHAINAGE	0.000 16.722 16.722

LINE 579

STRUCTURE NAME	1/580
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.I.: 2.4m Lintel
	14/546
	IPWEA MANHOLE 1350mm DIA



PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.45
PART FULL VELOCITY (m/s)	1.36
PIPE FLOW (cumecs)	0.049
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	35.0

WSE IN STRUCTURE	51.259
HGL IN PIPE	51.161
DEPTH OF INVERT BELOW FSL	1.115
INVERT LEVEL	51.000
FINISHED (& EXISTING) SURFACE LEVEL	52.116 (51.360)
CHAINAGE	0.000 5.897 5.897

LINE 580

STRUCTURE NAME	1/581
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.: 2.4m Lintel
	15/546
	IPWEA MANHOLE 1800mm DIA



PIPE SIZE (mm)	600	375
PIPE CLASS	2	2
PIPE GRADE (%)	1.04%	
PIPE SLOPE (1 in X)	96.3	
FULL PIPE VELOCITY (m/s)	0.22	
PART FULL VELOCITY (m/s)	1.42	
PIPE FLOW (cumecs)	0.063	
PIPE CAPACITY AT GRADE (cumecs)	0.626	
DATUM RL	32.0	

WSE IN STRUCTURE	48.564
HGL IN PIPE	48.540
DEPTH OF INVERT BELOW FSL	1.362
INVERT LEVEL	48.381
FINISHED (& EXISTING) SURFACE LEVEL	49.743 (47.445)
CHAINAGE	0.000 6.243 6.243

LINE 581

STRUCTURE NAME	1/582
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.: 2.4m Lintel
	15/546
	IPWEA MANHOLE 1800mm DIA

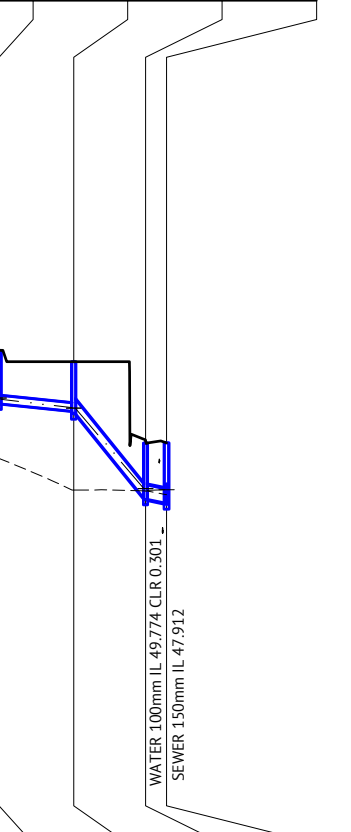


PIPE SIZE (mm)	525	375
PIPE CLASS	2	2
PIPE GRADE (%)	1.05%	
PIPE SLOPE (1 in X)	95.5	
FULL PIPE VELOCITY (m/s)	0.29	
PART FULL VELOCITY (m/s)	1.44	
PIPE FLOW (cumecs)	0.063	
PIPE CAPACITY AT GRADE (cumecs)	0.440	
DATUM RL	32.0	

WSE IN STRUCTURE	48.645
HGL IN PIPE	48.603
DEPTH OF INVERT BELOW FSL	1.305
INVERT LEVEL	48.438
FINISHED (& EXISTING) SURFACE LEVEL	49.743 (47.261)
CHAINAGE	0.000 3.478 3.478

LINE 582

STRUCTURE NAME	4/583
STRUCTURE DESCRIPTION	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE
	3/583
	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE
	2/583
	IPWEA FIELD INLET - 900x600 TYPE 2 L.D. GRATE
	1/583
	IPWEA KERB INLET L.L.I.: 2.4m Lintel
	3/549
	IPWEA MANHOLE 1050mm DIA

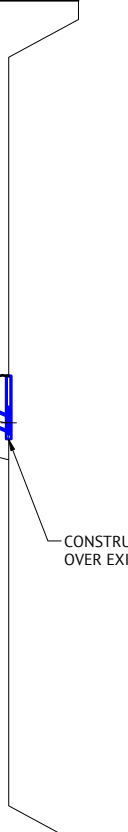


PIPE SIZE (mm)	225	225	375	375
PIPE CLASS	uPVC	uPVC	2	2
PIPE GRADE (%)	3.12%	1.00%	11.82%	1.72%
PIPE SLOPE (1 in X)	32.0	100.0	8.5	58.1
FULL PIPE VELOCITY (m/s)	0.25	0.53	0.34	0.65
PART FULL VELOCITY (m/s)	1.53	1.26	3.04	1.84
PIPE FLOW (cumecs)	0.010	0.021	0.038	0.072
PIPE CAPACITY AT GRADE (cumecs)	0.094	0.053	0.603	0.230
DATUM RL	34.0			

WSE IN STRUCTURE	51.955
HGL IN PIPE	51.933
DEPTH OF INVERT BELOW FSL	1.398
INVERT LEVEL	51.852
FINISHED (& EXISTING) SURFACE LEVEL	53.250 (50.359)
CHAINAGE	0.000 16.000 16.000 19.755 35.756 18.993 54.748 5.547 60.295

LINE 583

STRUCTURE NAME	1/584
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.: 2.4m Lintel
	4/549
	IPWEA MANHOLE 1050mm DIA



PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	3.52%
PIPE SLOPE (1 in X)	28.4
FULL PIPE VELOCITY (m/s)	0.05
PART FULL VELOCITY (m/s)	1.15
PIPE FLOW (cumecs)	0.006
PIPE CAPACITY AT GRADE (cumecs)	0.329
DATUM RL	31.0

WSE IN STRUCTURE	47.922
HGL IN PIPE	47.920
DEPTH OF INVERT BELOW FSL	1.153
INVERT LEVEL	47.866
FINISHED (& EXISTING) SURFACE LEVEL	49.018 (47.033)
CHAINAGE	0.000 6.539 6.539

LINE 584

CONSTRUCT MANHOLE OVER EXISTING PIPE END

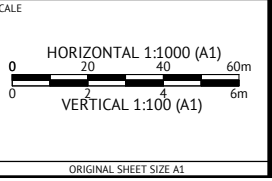
FOR CONSTRUCTION

13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB
DATE	REV	DESCRIPTION	REC	APP



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DESIGNED K KIWANG	 PATRICK BRADY RPEQ 7112
CHECKED R BARGER	
PROJECT MANAGER S STEINHOFER	
PROJECT DIRECTOR	



CLIENT	MIRVAC QLD PTY LTD
PROJECT	EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	STORMWATER DRAINAGE LONG SECTIONS - SHEET 3 OF 5

JOB CODE	MIR009-03
SHEET NUMBER	C412
REV	B

STRUCTURE NAME	1/585	4/549
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.I.L.: 2.4m Lintel	IPWEA MANHOLE 1050mm DIA

PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.04%
PIPE SLOPE (1 in X)	95.9
FULL PIPE VELOCITY (m/s)	0.44
PART FULL VELOCITY (m/s)	1.38
PIPE FLOW (cumecs)	0.049
PIPE CAPACITY AT GRADE (cumecs)	0.179
DATUM RL	31.0
WSE IN STRUCTURE	48.146
HGL IN PIPE	48.048
DEPTH OF INVERT BELOW FSL	1.136
INVERT LEVEL	47.888
FINISHED (& EXISTING) SURFACE LEVEL	49.024 (47.032)
CHAINAGE	0.000 4.091

CONSTRUCT MANHOLE OVER EXISTING PIPE END

STRUCTURE NAME	1/592	2/592	1/565
STRUCTURE DESCRIPTION	IPWEA FIELD INLET - 600x600 TYPE 2 ON 1050mm DIA MANHOLE	IPWEA FIELD INLET - 600x600 TYPE 2 ON 1050mm DIA MANHOLE	IPWEA KERB INLET L.I.L.: 2.4m Lintel ON 1050mm DIA MANHOLE

PIPE SIZE (mm)	225	225
PIPE CLASS	2	2
PIPE GRADE (%)	5.72%	1.00%
PIPE SLOPE (1 in X)	17.5	99.8
FULL PIPE VELOCITY (m/s)	0.26	0.55
PART FULL VELOCITY (m/s)	1.70	1.12
PIPE FLOW (cumecs)	0.010	0.022
PIPE CAPACITY AT GRADE (cumecs)	0.107	0.045
DATUM RL	52.0	
WSE IN STRUCTURE	68.515	66.305
HGL IN PIPE	68.491	66.260
DEPTH OF INVERT BELOW FSL	1.692	3.386
INVERT LEVEL	68.408	66.114
FINISHED (& EXISTING) SURFACE LEVEL	70.100 (71.538)	69.500 (70.233)
CHAINAGE	0.000 15.543	5.866

STRUCTURE NAME	10/501	11/501	12/501	13/501
STRUCTURE DESCRIPTION	PIPE END SAND BAG AND SEAL	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1200mm DIA	PIPE END SAND BAG AND SEAL

PIPE SIZE (mm)	450	525	525
PIPE CLASS	2	2	2
PIPE GRADE (%)	2.84%	1.00%	3.10%
PIPE SLOPE (1 in X)	35.2	100.0	32.3
FULL PIPE VELOCITY (m/s)	3.11	2.61	2.60
PART FULL VELOCITY (m/s)	3.44	2.61	3.83
PIPE FLOW (cumecs)	0.495	0.564	0.563
PIPE CAPACITY AT GRADE (cumecs)	0.481	0.430	0.758
DATUM RL	33.0		
WSE IN STRUCTURE	50.264	50.026	49.769
HGL IN PIPE	50.264	50.026	48.796
DEPTH OF INVERT BELOW FSL	1.393	1.515	1.985
INVERT LEVEL	49.202	48.903	48.803
FINISHED (& EXISTING) SURFACE LEVEL	50.595 (49.843)	50.494 (49.496)	50.614 (49.281)
CHAINAGE	0.000 7.900	8.025	15.925 15.829

STRUCTURE NAME	4/501	5/501	6/501	7/501
STRUCTURE DESCRIPTION	PIPE END SAND BAG AND SEAL	IPWEA KERB INLET (SAG) L.I.L.: 2.4m Lintel ON 1050mm DIA MANHOLE	IPWEA MANHOLE 1200mm DIA	PIPE END SAND BAG AND SEAL

PIPE SIZE (mm)	375	375	375
PIPE CLASS	2	2	2
PIPE GRADE (%)	6.70%	1.00%	3.00%
PIPE SLOPE (1 in X)	14.9	100.0	33.3
FULL PIPE VELOCITY (m/s)	1.16	1.75	2.50
PART FULL VELOCITY (m/s)	3.53	1.75	3.12
PIPE FLOW (cumecs)	0.128	0.193	0.276
PIPE CAPACITY AT GRADE (cumecs)	0.454	0.175	0.304
DATUM RL	39.0		
WSE IN STRUCTURE	56.709	56.329	55.966
HGL IN PIPE	56.709	56.321	55.639
DEPTH OF INVERT BELOW FSL	1.422	1.745	2.041
INVERT LEVEL	56.445	55.414	55.303
FINISHED (& EXISTING) SURFACE LEVEL	57.867 (55.296)	57.159 (54.443)	57.324 (54.424)
CHAINAGE	0.000 15.385	9.139	20.250 44.774

STRUCTURE NAME	1/511	6/501
STRUCTURE DESCRIPTION	FUTURE IPWEA KERB INLET L.I.L.: 2.4m Lintel	IPWEA MANHOLE 1200mm DIA

PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.47
PART FULL VELOCITY (m/s)	1.38
PIPE FLOW (cumecs)	0.052
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	39.0
WSE IN STRUCTURE	56.105
HGL IN PIPE	56.043
DEPTH OF INVERT BELOW FSL	1.450
INVERT LEVEL	55.879
FINISHED (& EXISTING) SURFACE LEVEL	57.324 (54.084)
CHAINAGE	0.000 18.956

STRUCTURE NAME	1/512	6/501
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.I.L.: 2.4m Lintel	IPWEA MANHOLE 1200mm DIA

PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.30
PART FULL VELOCITY (m/s)	1.22
PIPE FLOW (cumecs)	0.033
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	39.0
WSE IN STRUCTURE	56.009
HGL IN PIPE	55.965
DEPTH OF INVERT BELOW FSL	1.348
INVERT LEVEL	55.836
FINISHED (& EXISTING) SURFACE LEVEL	57.324 (54.876)
CHAINAGE	0.000 8.453

STRUCTURE NAME	1/519	11/501
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.I.L.: 2.4m Lintel	IPWEA MANHOLE 1200mm DIA

PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.35
PART FULL VELOCITY (m/s)	1.27
PIPE FLOW (cumecs)	0.038
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	33.0
WSE IN STRUCTURE	50.060
HGL IN PIPE	50.028
DEPTH OF INVERT BELOW FSL	1.316
INVERT LEVEL	49.142
FINISHED (& EXISTING) SURFACE LEVEL	50.458 (49.554)
CHAINAGE	0.000 5.063

STRUCTURE NAME	1/520	11/501
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.I.L.: 2.4m Lintel	IPWEA MANHOLE 1200mm DIA

PIPE SIZE (mm)	375
PIPE CLASS	2
PIPE GRADE (%)	1.00%
PIPE SLOPE (1 in X)	100.0
FULL PIPE VELOCITY (m/s)	0.31
PART FULL VELOCITY (m/s)	1.23
PIPE FLOW (cumecs)	0.034
PIPE CAPACITY AT GRADE (cumecs)	0.175
DATUM RL	33.0
WSE IN STRUCTURE	50.052
HGL IN PIPE	50.027
DEPTH OF INVERT BELOW FSL	1.316
INVERT LEVEL	49.146
FINISHED (& EXISTING) SURFACE LEVEL	50.461 (49.558)
CHAINAGE	0.000 2.469

FOR CONSTRUCTION

13/01/2022	B	AMENDED MANHOLE DESCRIPTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB
DATE	REV	DESCRIPTION	REC	APP

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

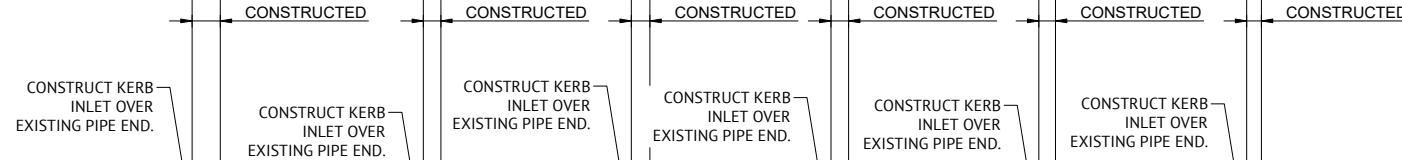
DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR
P. Brady
 PATRICK BRADY RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 4 OF 5

JOB CODE
MIR009-03
 SHEET NUMBER
C413
 REV
B

STRUCTURE NAME	1/545	23/524
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.L: 2.4m Lintel	IPWEA MANHOLE 2100mm DIA



PIPE SIZE (mm)	450	
PIPE CLASS	2	
PIPE GRADE (%)	1.00%	
PIPE SLOPE (1 in X)	100.0	
FULL PIPE VELOCITY (m/s)	0.27	
PART FULL VELOCITY (m/s)	1.30	
PIPE FLOW (cumecs)	0.044	
PIPE CAPACITY AT GRADE (cumecs)	0.285	
DATUM RL	32.0	
WSE IN STRUCTURE	49.733	49.349
HGL IN PIPE	49.695	49.530
DEPTH OF INVERT BELOW FSL	1.228	1.173
INVERT LEVEL	49.245	49.171
FINISHED (& EXISTING) SURFACE LEVEL	50.473 (47.503)	50.344 (47.376)
CHAINAGE	0.000	7.441
LINE	545	

STRUCTURE NAME	1/547	24/524
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.L: 2.4m Lintel	IPWEA MANHOLE 2100mm DIA
PIPE SIZE (mm)	375	
PIPE CLASS	2	
PIPE GRADE (%)	1.50%	
PIPE SLOPE (1 in X)	66.7	
FULL PIPE VELOCITY (m/s)	0.24	
PART FULL VELOCITY (m/s)	1.31	
PIPE FLOW (cumecs)	0.026	
PIPE CAPACITY AT GRADE (cumecs)	0.215	
DATUM RL	32.0	
WSE IN STRUCTURE	49.122	48.899
HGL IN PIPE	49.095	48.862
DEPTH OF INVERT BELOW FSL	1.132	1.215
INVERT LEVEL	48.720	48.650
FINISHED (& EXISTING) SURFACE LEVEL	49.852 (46.834)	49.865 (46.903)
CHAINAGE	0.000	4.619
LINE	547	

STRUCTURE NAME	1/548	25/524
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.L: 2.4m Lintel	IPWEA MANHOLE 2100mm DIA
PIPE SIZE (mm)	375	
PIPE CLASS	2	
PIPE GRADE (%)	1.50%	
PIPE SLOPE (1 in X)	66.7	
FULL PIPE VELOCITY (m/s)	0.25	
PART FULL VELOCITY (m/s)	1.34	
PIPE FLOW (cumecs)	0.028	
PIPE CAPACITY AT GRADE (cumecs)	0.215	
DATUM RL	31.0	
WSE IN STRUCTURE	48.798	48.434
HGL IN PIPE	48.766	48.404
DEPTH OF INVERT BELOW FSL	1.115	1.196
INVERT LEVEL	48.391	48.317
FINISHED (& EXISTING) SURFACE LEVEL	49.506 (46.609)	49.513 (46.486)
CHAINAGE	0.000	4.937
LINE	548	

STRUCTURE NAME	1/550	26/524
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.L.L: 2.4m Lintel	IPWEA MANHOLE 2100mm DIA
PIPE SIZE (mm)	375	
PIPE CLASS	2	
PIPE GRADE (%)	2.50%	
PIPE SLOPE (1 in X)	40.0	
FULL PIPE VELOCITY (m/s)	0.10	
PART FULL VELOCITY (m/s)	1.24	
PIPE FLOW (cumecs)	0.011	
PIPE CAPACITY AT GRADE (cumecs)	0.277	
DATUM RL	31.0	
WSE IN STRUCTURE	48.448	48.040
HGL IN PIPE	48.443	48.040
DEPTH OF INVERT BELOW FSL	1.135	1.259
INVERT LEVEL	48.068	47.950
FINISHED (& EXISTING) SURFACE LEVEL	49.201 (46.301)	49.209 (46.525)
CHAINAGE	0.000	4.689
LINE	550	

STRUCTURE NAME	1/551	27/524
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.L: 2.4m Lintel	IPWEA MANHOLE 2100mm DIA
PIPE SIZE (mm)	375	
PIPE CLASS	2	
PIPE GRADE (%)	3.60%	
PIPE SLOPE (1 in X)	27.8	
FULL PIPE VELOCITY (m/s)	0.07	
PART FULL VELOCITY (m/s)	1.23	
PIPE FLOW (cumecs)	0.007	
PIPE CAPACITY AT GRADE (cumecs)	0.333	
DATUM RL	31.0	
WSE IN STRUCTURE	48.286	47.786
HGL IN PIPE	48.284	47.788
DEPTH OF INVERT BELOW FSL	1.132	1.344
INVERT LEVEL	47.909	47.750
FINISHED (& EXISTING) SURFACE LEVEL	49.041 (46.324)	49.094 (46.519)
CHAINAGE	0.000	4.424
LINE	551	

STRUCTURE NAME	1/552	27/524
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.L: 2.4m Lintel	IPWEA MANHOLE 2100mm DIA
PIPE SIZE (mm)	375	
PIPE CLASS	2	
PIPE GRADE (%)	1.00%	
PIPE SLOPE (1 in X)	100.0	
FULL PIPE VELOCITY (m/s)	0.31	
PART FULL VELOCITY (m/s)	1.23	
PIPE FLOW (cumecs)	0.034	
PIPE CAPACITY AT GRADE (cumecs)	0.175	
DATUM RL	31.0	
WSE IN STRUCTURE	48.335	47.786
HGL IN PIPE	48.288	47.986
DEPTH OF INVERT BELOW FSL	1.124	1.220
INVERT LEVEL	47.913	47.874
FINISHED (& EXISTING) SURFACE LEVEL	49.036 (46.646)	49.094 (46.519)
CHAINAGE	0.000	3.890
LINE	552	

FOR CONSTRUCTION

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

DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR
PATRICK BRADY
 RPEQ 7112

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

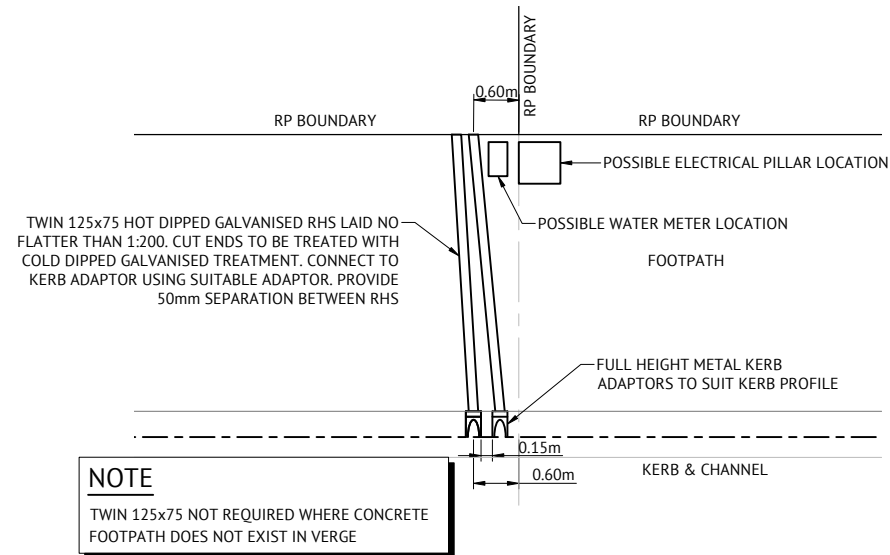
CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 5 OF 5

JOB CODE
MIR009-03
 SHEET NUMBER
C414
 REV
B

13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB
DATE	REV	DESCRIPTION	REC	APP

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).



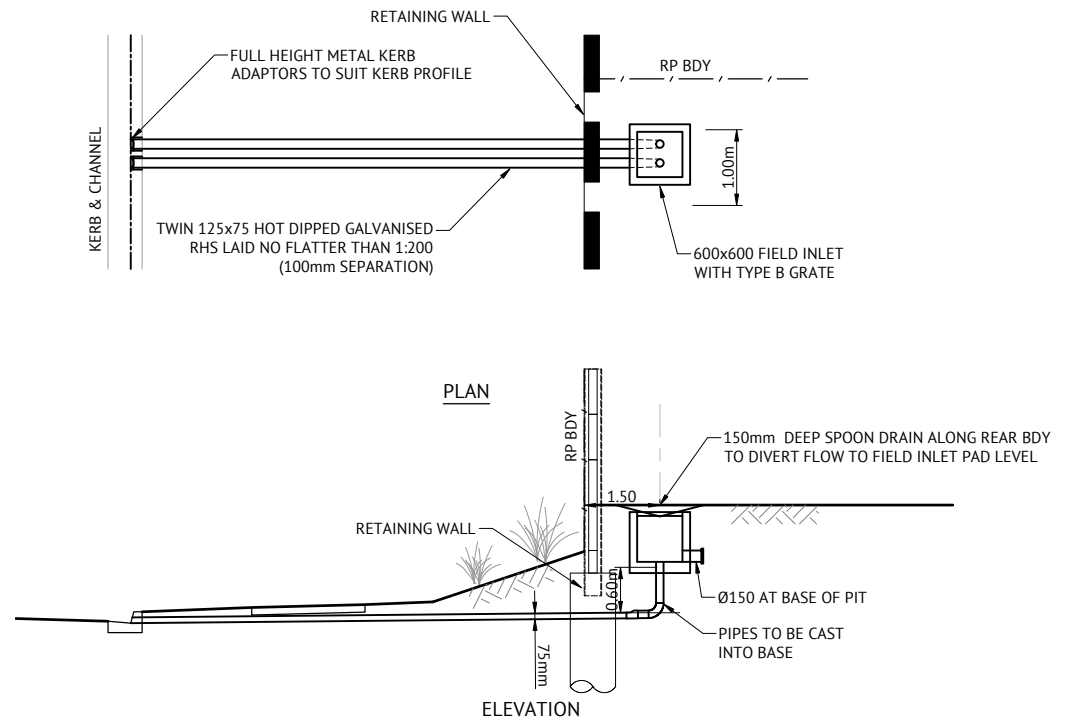
TYPICAL ROOFWATER KERB ADAPTOR OUTLET DETAIL
N.T.S.

REFERENCE POINT LOCATION FOR DRAINAGE STRUCTURES

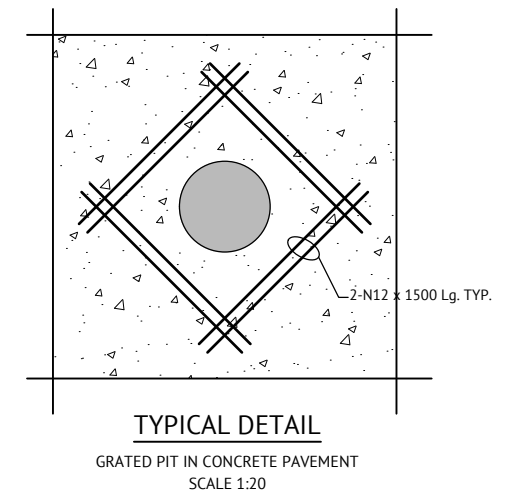
STRUCTURE TYPE	HORIZONTAL CONTROL POINT (REFERENCE POINT LOCATION)	VERTICAL CONTROL REFERENCE LEVEL
MANHOLE	CENTRELINE OF MAIN SHAFT	FINISHED SURFACE LEVEL AT CENTRE OF MAIN SHAFT
GULLY PIT OVER MANHOLE	CENTRE OF GULLY PIT	LIP LEVEL
GULLY PIT (LIP IN LINE)	CENTRE OF GULLY PIT	LIP LEVEL
HEADWALL	INTERSECTION 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.



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	REVISIONS
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK PB
15/10/2021	A	ORIGINAL ISSUE	VKH PB

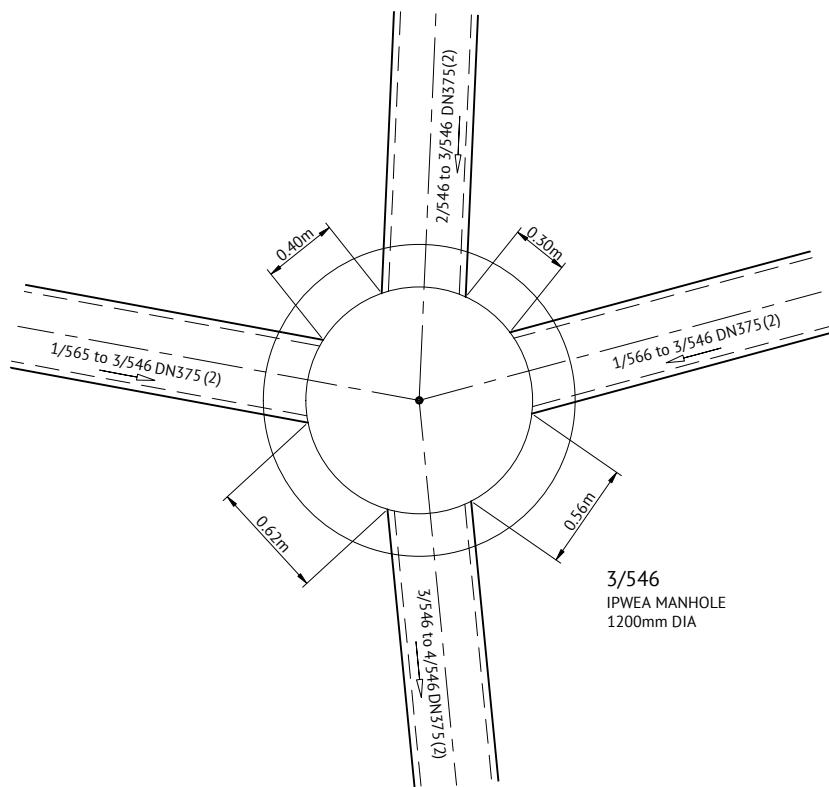
Premise
BRISBANE OFFICE
LEVEL 1, 100 BRUNSWICK STREET
PO BOX 361
FORTITUDE VALLEY, QLD 4006
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED: K KIWANG
CHECKED: R BARGER
PROJECT MANAGER: S STEINHOFER
PROJECT DIRECTOR: Patrick Brady
RPEQ 7112

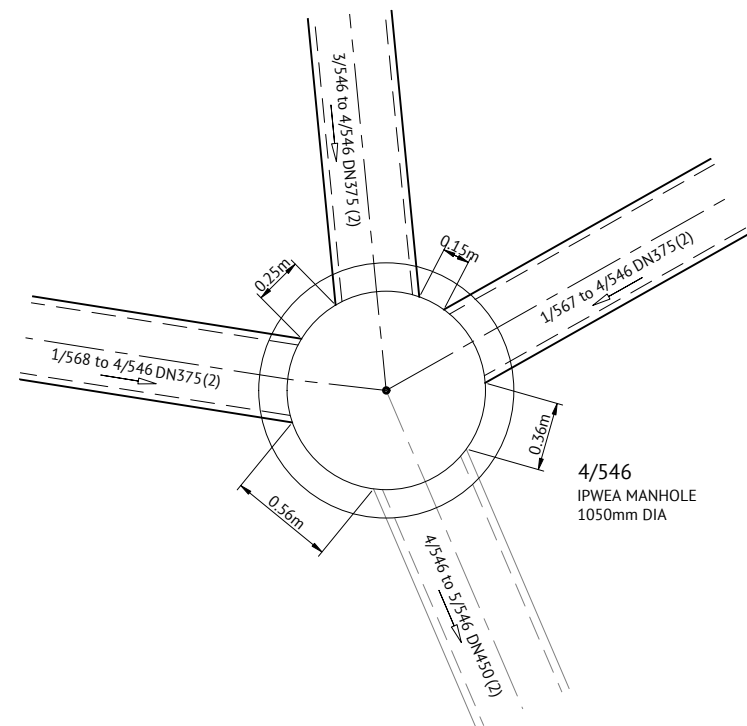
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ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER DRAINAGE NOTES AND DETAILS

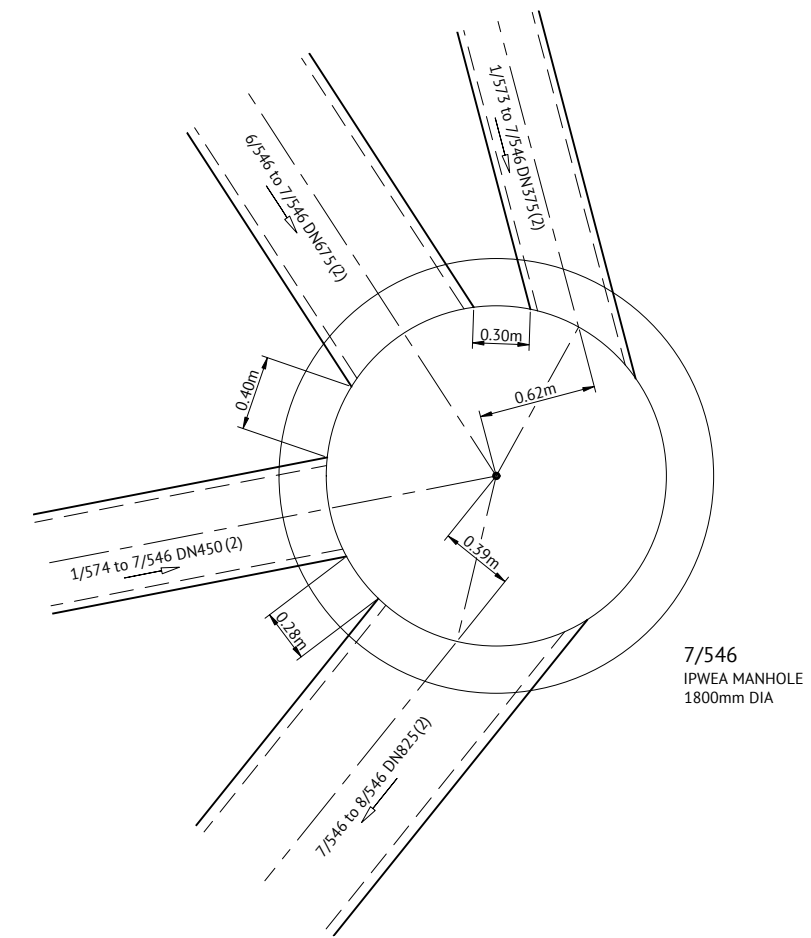
JOB CODE: MIR009-03
SHEET NUMBER: C420
REV: B



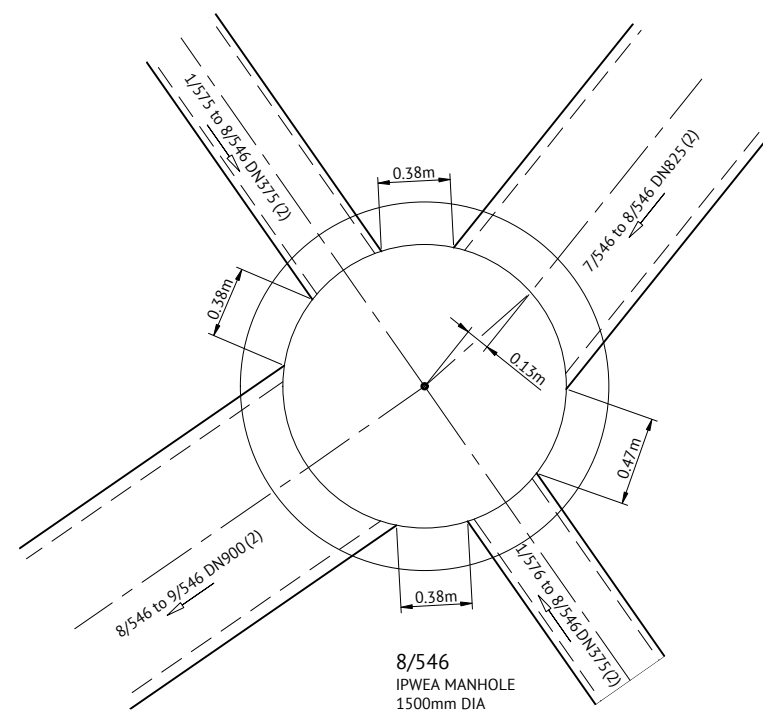
3/546
IPWEA MANHOLE
1200mm DIA



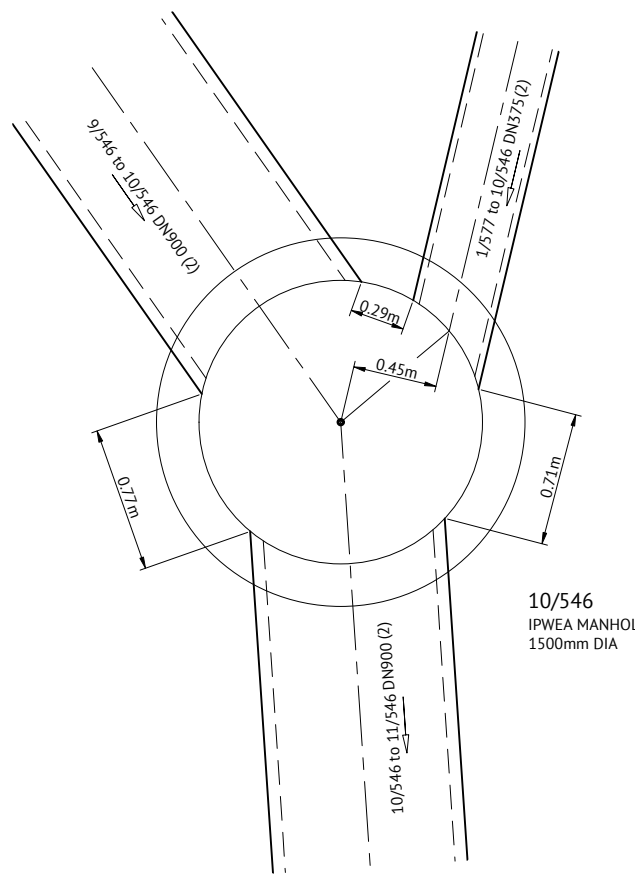
4/546
IPWEA MANHOLE
1050mm DIA



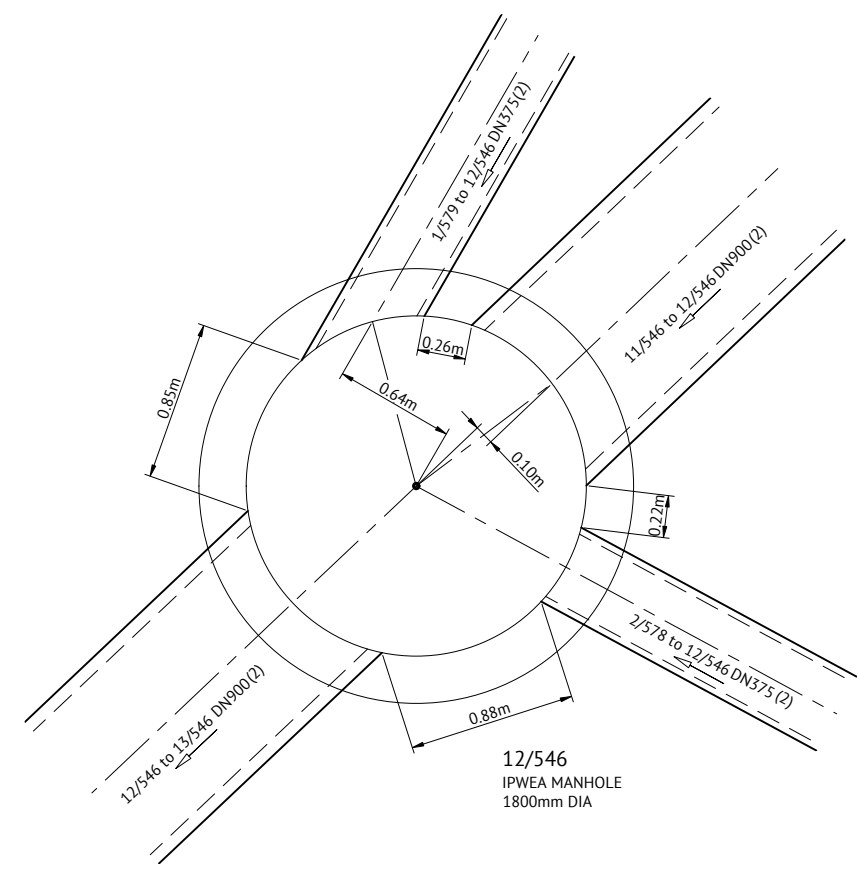
7/546
IPWEA MANHOLE
1800mm DIA



8/546
IPWEA MANHOLE
1500mm DIA



10/546
IPWEA MANHOLE
1500mm DIA



12/546
IPWEA MANHOLE
1800mm DIA

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION		KK	PB
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				REC	APP

Premise
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DESIGNED
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S STEINHOFER
 PROJECT DIRECTOR

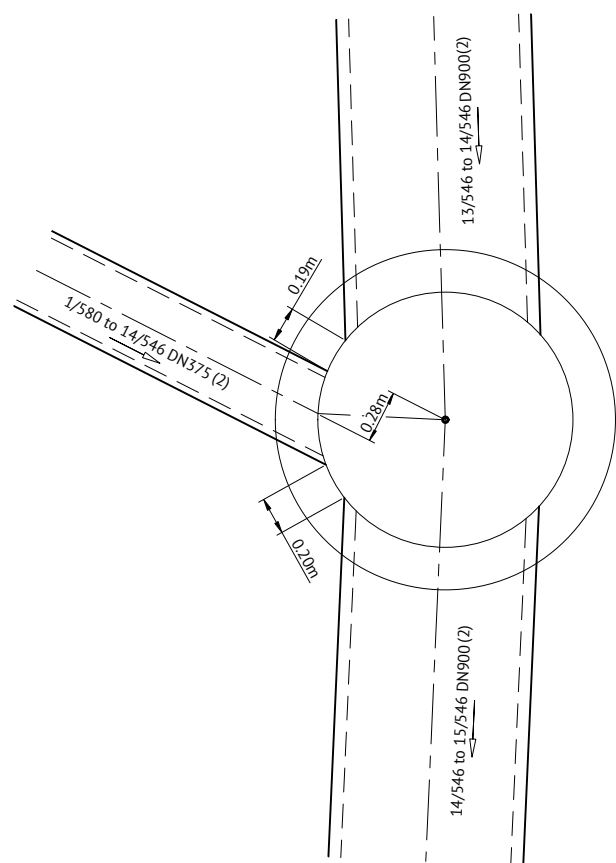
 PATRICK BRADY RPEQ 7112

SCALE

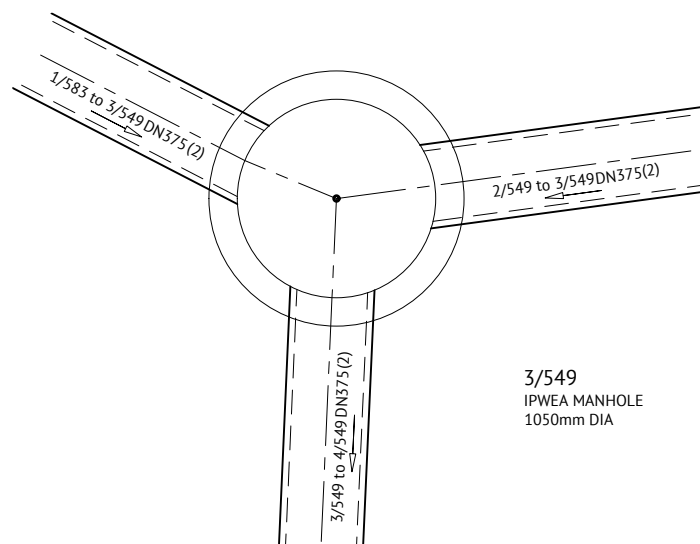
 SCALE 1:20 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 1 OF 2

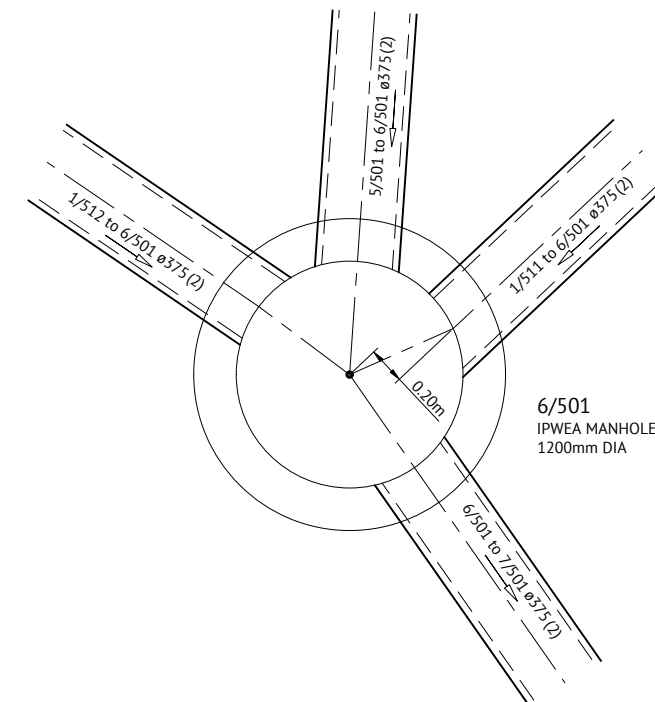
JOB CODE
MIR009-03
 SHEET NUMBER
C430
 REV
B



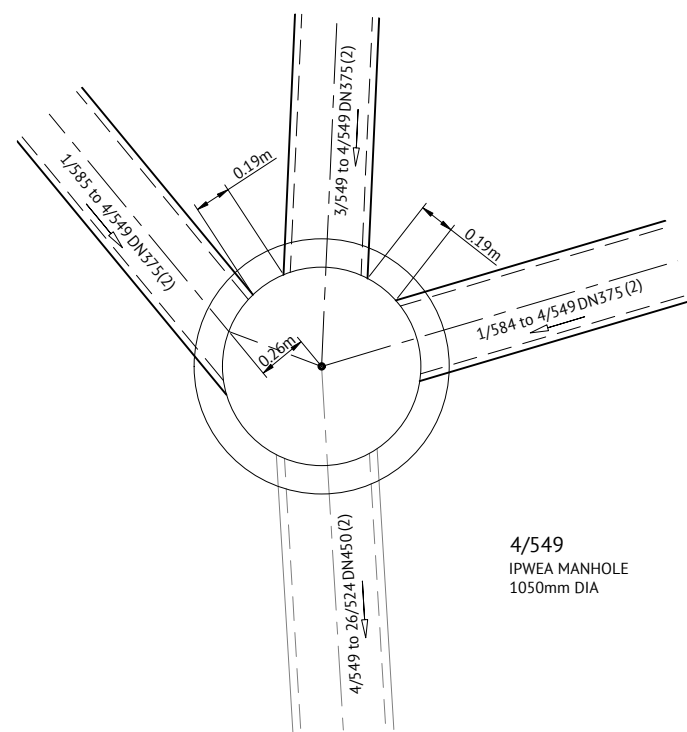
14/546
IPWEA MANHOLE
1350mm DIA



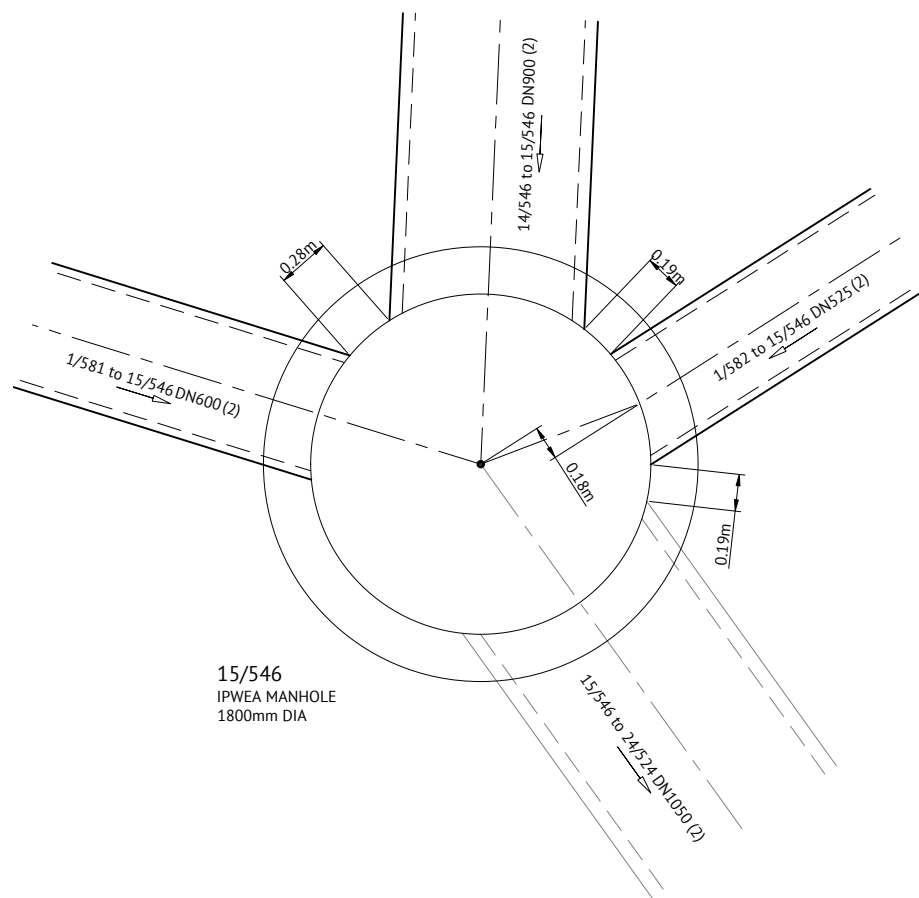
3/549
IPWEA MANHOLE
1050mm DIA



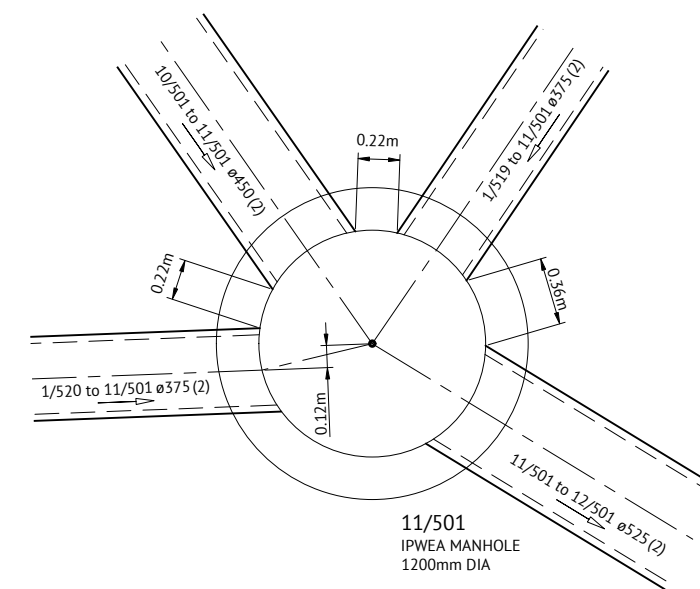
6/501
IPWEA MANHOLE
1200mm DIA



4/549
IPWEA MANHOLE
1050mm DIA



15/546
IPWEA MANHOLE
1800mm DIA



11/501
IPWEA MANHOLE
1200mm DIA

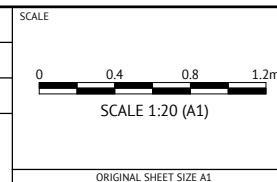
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS	KK	PB
13/01/2022	B	ISSUED FOR CONSTRUCTION			
15/10/2021	A	ORIGINAL ISSUE			



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DESIGNED
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CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PKB
PATRICK BRADY RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
STORMWATER DRAINAGE STRUCTURE DETAILS - SHEET 2 OF 2

JOB CODE
MIR009-03
SHEET NUMBER
C431
REV
B

LOCATION			TIME			SUB-CATCHMENT RUNOFF				INLET DESIGN				DRAIN DESIGN										HEADLOSSES										PART FULL		DESIGN LEVELS							RUNOFF					
STRUCTURE NUMBER	DOWNSTREAM STRUCTURE	SUB-CATCHMENTS CONTRIBUTING	tc	I	C	A	CA	Q	Qc	Qg	Qb	tc	I	CA	Qp	L	S	PIPE/BOX DIMENSIONS	CLASS	Vf=Q/A	CHARTS USED	STRUCTURE RATIOS			V2/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn	UPSTREAM OBVERT LEVEL	DOWNSTREAM OBVERT LEVEL	UPSTREAM H.G.L.	DOWNSTREAM H.G.L.	W.S.E.	SURFACE OR GRATE LEVEL	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	DEPTH x VELOCITY PRODUCT	STRUCTURE NUMBER					
			min	mm/h		ha	ha	L/s	L/s	%	L/s	L/s		min	mm/h	ha	L/s	L/s	m	%		mm	m/s	min	Qg/Qo	Du/Do	S/Do	m		m	m	m	%											m	m	m/s	m	m
2/583	1/583	4/583 3/583 2/583	8.00	252	1.00	0.072	0.072	50	50	28	22	1/552	8.25	250	0.161	0	82	18.993	11.823	375	2	0.75	0.06	34	37	0.33	0.60	1.05	0.028	0.63	0.018		0.018	5.18	1.041	0.094	3.82	51.449	49.203	51.284	50.300	51.302	52.450		50		2/583	
1/583	3/549	4/583 3/583 2/583 1/583	8.00	252	1.00	0.149	0.149	105	105	5.24	-23	127	1/584	8.06	251	0.308	0	59	5.541	1.723	375	2	0.53	0.04	33	34	0.00	1.00	2.01	0.014	0.23	0.003		0.003	0.11	0.006	0.129	1.74	49.183	49.088	49.560	49.554	49.563	50.300	1656	105	0.10	1/583
1/584	4/549	1/584	6.00	275	1.00	0.023	0.023	18	834	1.21	58	776	1/552	6.00	275	0.023	0	58	6.539	3.524	375	2	0.53	0.04	32		1.00		2.44	0.014	5.16	0.073		0.073	0.11	0.007	0.107	2.25	48.241	48.010	48.706	48.699	48.780	49.018	1787	834		1/584
1/585	4/549	1/585	8.00	252	1.00	0.206	0.206	144	747	1.51	58	689	1/584	8.00	252	0.206	0	58	3.994	1.068	375	2	0.53	0.04	32		1.00		2.38	0.014	5.41	0.077		0.077	0.11	0.005	0.147	1.45	48.263	48.221	48.704	48.699	48.781	49.024	1929	747		1/585
1/592	2/592	1/592	8.00	252	1.00	0.043	0.043	30	30		22	8	2/592	8.00	252	0.043	0	22	15.543	5.718	225	2	0.55	0.10	32		1.00		1.49	0.016	7.00	0.109		0.109	6.07	0.763	0.069	2.12	68.633	67.745	68.532	67.589	68.641	70.100		30		1/592
2/592	1/565	1/592 2/592	8.00	252	1.00	0.049	0.049	35	43		22	21	1/565	8.10	251	0.093	0	44	5.866	1.002	225	2	1.10	0.09	46	47	0.50	1.00	3.90	0.062	1.43	0.088	1.69	0.104	0.95	0.056	0.179	1.29	66.339	66.280	66.887	66.831	66.991	69.500		43		2/592

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
15/10/2021	A	ORIGINAL ISSUE	VKH	PB



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DESIGNED K KIWANG	 PATRICK BRADY RPEQ 7112
CHECKED R BARGER	
PROJECT MANAGER S STEINHOFER	
PROJECT DIRECTOR	

SCALE	ORIGINAL SHEET SIZE A1
-------	------------------------

CLIENT	MIRVAC QLD PTY LTD
PROJECT	EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	STORMWATER CALCULATIONS 1% AEP STORM - SHEET 3 OF 3

JOB CODE	MIR009-03
SHEET NUMBER	C445
REV	B

EVERLEIGH PRECINCT 9.3A, B, C, D, E 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 9.3A SUBDIVISION DEVELOPMENT	
SUBDIVIDER	Mirvac QLD Pty Ltd	
APPLICATION No.	DEV 2018/999	
SP DELEGATE APPROVAL DATE	4/16/2019	
COUNCIL DA APPROVAL No.	-	
DRAWING/PLAN No.	C510-C511	
No. OF ALLOTMENTS	72	
AREA ha	6.2ha	
LENGTH OF SEWERS	DN150 uPVC SN8	1239m
	DN225 uPVC SN8	-m

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:

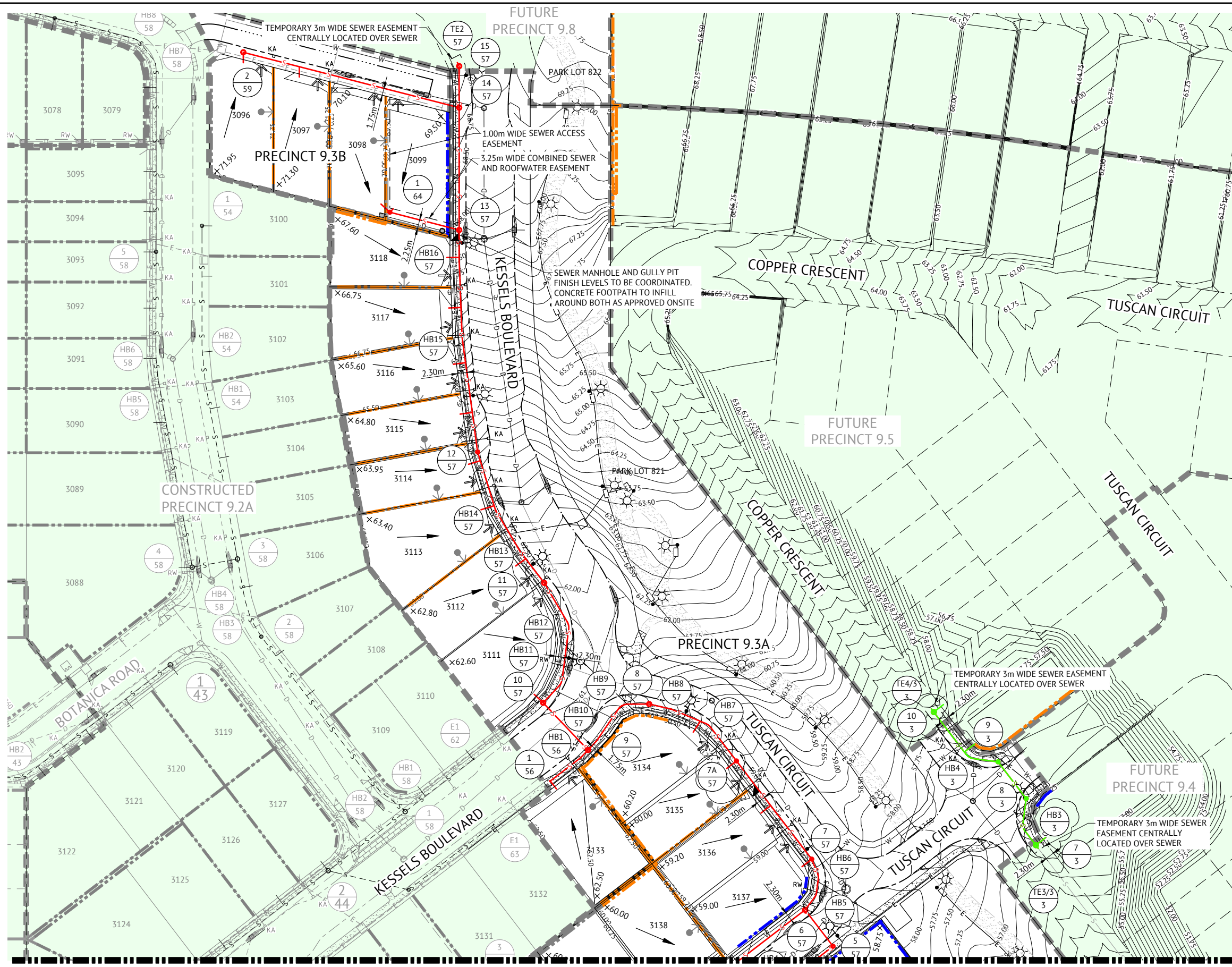
SPOILAGE OF EXCESS MATERIAL TO BE PLACED INTO THE SOUTHERN DAM REHABILITATION AREA INCLUDING ALL LEVEL ONE COMPACTION REQUIREMENTS AND TESTING IN ACCORDANCE WITH MORRISON GEOTECHNICAL SPECIFICATION AND ALL LOCAL AUTHORITY STANDARDS, AND SHALL BE FREE DRAINING.

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 OF 2
C511	SEWERAGE LAYOUT PLAN - SHEET 2 OF 2
C520	SEWERAGE LONG SECTIONS - SHEET 1 OF 7
C521	SEWERAGE LONG SECTIONS - SHEET 2 OF 7
C522	SEWERAGE LONG SECTIONS - SHEET 3 OF 7
C523	SEWERAGE LONG SECTIONS - SHEET 4 OF 7
C524	SEWERAGE LONG SECTIONS - SHEET 5 OF 7
C525	SEWERAGE LONG SECTIONS - SHEET 6 OF 7
C526	SEWERAGE LONG SECTIONS - SHEET 7 OF 7
C530	SEWERAGE NOTES AND DETAILS

FOR CONSTRUCTION		BRISBANE OFFICE LEVEL 11, 300 ADELAIDE STREET BRISBANE, QLD 4000 PH: (07) 3253 2222 WEB: www.premise.com.au	DESIGNED K KIWANG CHECKED R BARGER PROJECT MANAGER S STEINHOFER PROJECT DIRECTOR PATRICK BRADY RPEQ 7112	SCALE SCALE 1:10000 (A1) ORIGINAL SHEET SIZE A1	CLIENT MIRVAC QLD PTY LTD PROJECT EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT LOCATION TEVIOT ROAD, GREENBANK SHEET TITLE SEWERAGE LOCALITY PLAN & NOTES	JOB CODE MIR009-03 SHEET NUMBER C500 REV C
13/01/2022 C ISSUED FOR CONSTRUCTION KK PB 14/10/2021 B AMENDED SHEET LIST TABLE AND PROJECT NAME KK 29/09/2021 A APPROVAL ISSUE - NOT FOR CONSTRUCTION KK 20/09/2021 1 PRELIMINARY - NOT FOR CONSTRUCTION VKH DATE REV DESCRIPTION REVISIONS REC APP						



LEGEND - PROPOSED

- GRAVITY SEWER
- Ø100mm PROPERTY CONNECTION, 7.5m OFFSET FROM SIDE BDY WITH DWAY, 1.2m OFFSET FROM SIDE BDY WITHOUT DWAY, TYPICAL U.N.O.
- MAINTENANCE STRUCTURE
- FUTURE BROUGHT FORWARD INFRASTRUCTURE, NOT TO BE HANDED OVER TO LOGAN WATER UNTIL ASSOCIATED STAGE OF WORKS
- 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)
- FINISHED CONTOURS (0.50m)
- ZERO LOT LINE
- FUTURE DRIVEWAY LOCATION
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- PROPOSED CONCRETE FOOTPATH & KERB RAMP
- STAGE BOUNDARY

LEGEND - CONSTRUCTED

- EX HC Ø100mm EXISTING PROPERTY CONNECTION
- STORMWATER DRAINAGE
- GRAVITY SEWER
- SEWER RISING MAIN
- SEWER TRUNK MAIN
- DRINKING WATER MAIN
- EXISTING CONTOURS (0.50m)

FOR SEWERAGE RETICULATION NOTES REFER DWG No. C500.

ALL PROPERTY CONNECTIONS DIA 100 PVC UNLESS OTHERWISE DENOTED.

JOINS DRAWING C511

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

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

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

FOR CONSTRUCTION			
DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	D	ADDED ELECTRICAL LINWORK	KK PB
22/10/2021	C	AMENDED AS PER RFI DATED 22/10/2021	KK PB
14/10/2021	B	ADDED CONCRETE PANEL RETAINING WALL, UPDATED SEWER ALIGNMENT COLOURS	KK
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK
20/09/2021	1	PRELIMINARY - NOT FOR CONSTRUCTION	VKH
			REC APP

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

DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR
PATRICK BRADY RPEQ 7112

SCALE

 SCALE 1:500 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
SEWERAGE LAYOUT PLAN - SHEET 1 OF 2

JOB CODE
MIR009-03

SHEET NUMBER
C510

REV
D



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.

ALL PROPERTY CONNECTIONS DIA 100 PVC UNLESS OTHERWISE DENOTED.

FOR SEWERAGE RETICULATION NOTES REFER DWG No. C500.

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.

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

CONSTRUCTED HOUSE CONNECTION DETAILS

LOT #	INVERT LEVEL	DEPTH
3151		1.250
3152	54.814	1.250
3153	54.283	1.250
3154	53.754	1.250
3155	53.228	1.250
3156	52.591	1.250
3157	50.351	1.250
3158	49.796	1.250
3159	49.336	1.250
3160	49.007	1.250
3179	48.662	1.250
3180	48.527	1.250
3181	48.391	1.250
3182	48.246	1.250

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	D	ADDED ELECTRICAL LINWORK	KK PB
22/10/2021	C	AMENDED AS PER RFI DATED 22/10/2021	KK PB
14/10/2021	B	ADDED CONCRETE PANEL RETAINING WALL, UPDATED SEWER ALIGNMENT COLOURS	KK
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K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFFER
 PROJECT DIRECTOR
PATRICK BRADY

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

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
SEWERAGE LAYOUT PLAN - SHEET 2 OF 2

JOB CODE
MIR009-03
 SHEET NUMBER
C511
 REV
D

MAINTENANCE HOLE / SHAFT NO.	1/3	2/3	3/3	TE1/3	4/3	HB1/3	HB2/3	5/3	TE2/3
MH / MS COVER TYPE	B	B	B		B			B	
MH / MS TYPE	A	A	A	TE	A	HB	HB	A	TE
MH DROP TYPE		V	V		V			V	
LINE NO.		3	3		3			3	
PROPERTY CONNECTION DEPTH									
PROPERTY CONNECTION INVERT LEVEL							Fut 1 B 50.393 1.250		
PROPERTY CONNECTION TYPE									
LOT NO.									

LEGEND RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

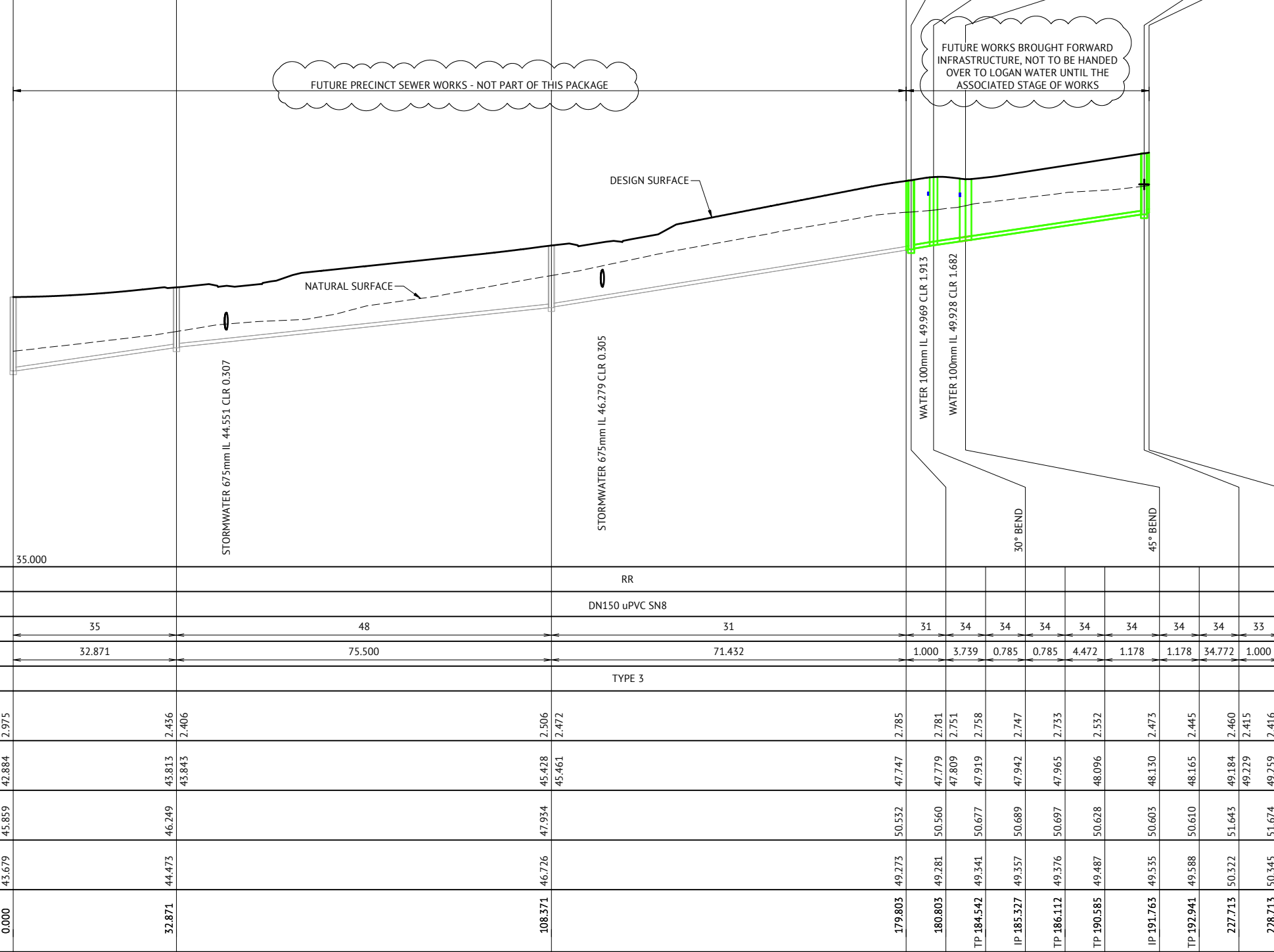
MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)

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:**
- EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).
 - 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	35.000														
PROPERTY DESCRIPTION	RR														
PIPE SIZE (mm), CLASS	DN150 uPVC SN8														
GRADE (1 IN X)	35	48	31	31	34	34	34	34	34	33					
LENGTH	32.871	75.500	71.432	1.000	3.739	0.785	0.785	4.472	1.178	1.178	34.772	1.000			
EMBEDMENT TYPE	TYPE 3														
DEPTH OF INVERT BELOW FSL	2.975	2.456	2.506	2.785	2.781	2.751	2.758	2.747	2.733	2.532	2.473	2.445	2.460	2.415	2.416
INVERT LEVEL (IL)	42.884	43.813	43.843	45.428	47.779	47.809	47.919	47.942	47.965	48.096	48.130	48.165	49.184	49.229	49.259
FINISHED SURFACE LEVEL (FSL)	45.859	46.249	47.934	50.532	50.560	50.677	50.689	50.697	50.628	50.603	50.610	51.643	51.643	51.674	
EXISTING SURFACE LEVEL (ESL)	43.679	44.473	46.726	49.273	49.281	49.341	49.357	49.376	49.487	49.535	49.588	50.322	50.322	50.345	
CHAINAGE (CH)	0.000	32.871	108.371	179.803	180.803	TP 184.542	IP 185.327	TP 186.112	TP 190.585	IP 191.763	TP 192.941	227.713	228.713		

LINE 3

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISONS
13/01/2022	E	ISSUED FOR CONSTRUCTION	KK PB
26/10/2021	D	AMENDED NOTES TO MATCH LAYOUT NOTES	KK PB
22/10/2021	C	AMENDED SEWER LAYOUT AS PER RFI DATED 22/10/2021	KK PB
14/10/2021	B	AMENDED LONG SECTION AS PER RFI DATED 13/10/2021, AMENDED SEWER COLOURS	KK
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK
20/09/2021	1	PRELIMINARY - NOT FOR CONSTRUCTION	VKH

Premise
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BRISBANE, QLD 4000
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DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFER
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

SCALE
HORIZONTAL 1:500 (A1)
VERTICAL 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE LONG SECTIONS - SHEET 1 OF 7

JOB CODE
MIR009-03
SHEET NUMBER
C520
REV
E

MAINTENANCE HOLE / SHAFT NO.	TE2/3	6/3	TE3/3	7/3	HB3/3	8/3	9/3	HB4/3	10/3	TE4/3	TE1/46	2/46
MH / MS COVER TYPE		B		B		B	B			B		B
MH / MS TYPE	TE	J	TE	A	HB	A	J	HB		A	TE	J
MH DROP TYPE		V		V		V	V			V		V
LINE NO.		3		3		3	3			3		46
PROPERTY CONNECTION DEPTH			Fut 2 D 55.678 1.250			Fut 3 B 56.126 1.250		Fut 4 B 56.898 1.250				
PROPERTY CONNECTION INVERT LEVEL												
PROPERTY CONNECTION TYPE												
LOT NO.												

LEGEND
 RR DENOTES ROAD RESERVE
 PP DENOTES PRIVATE PROPERTY

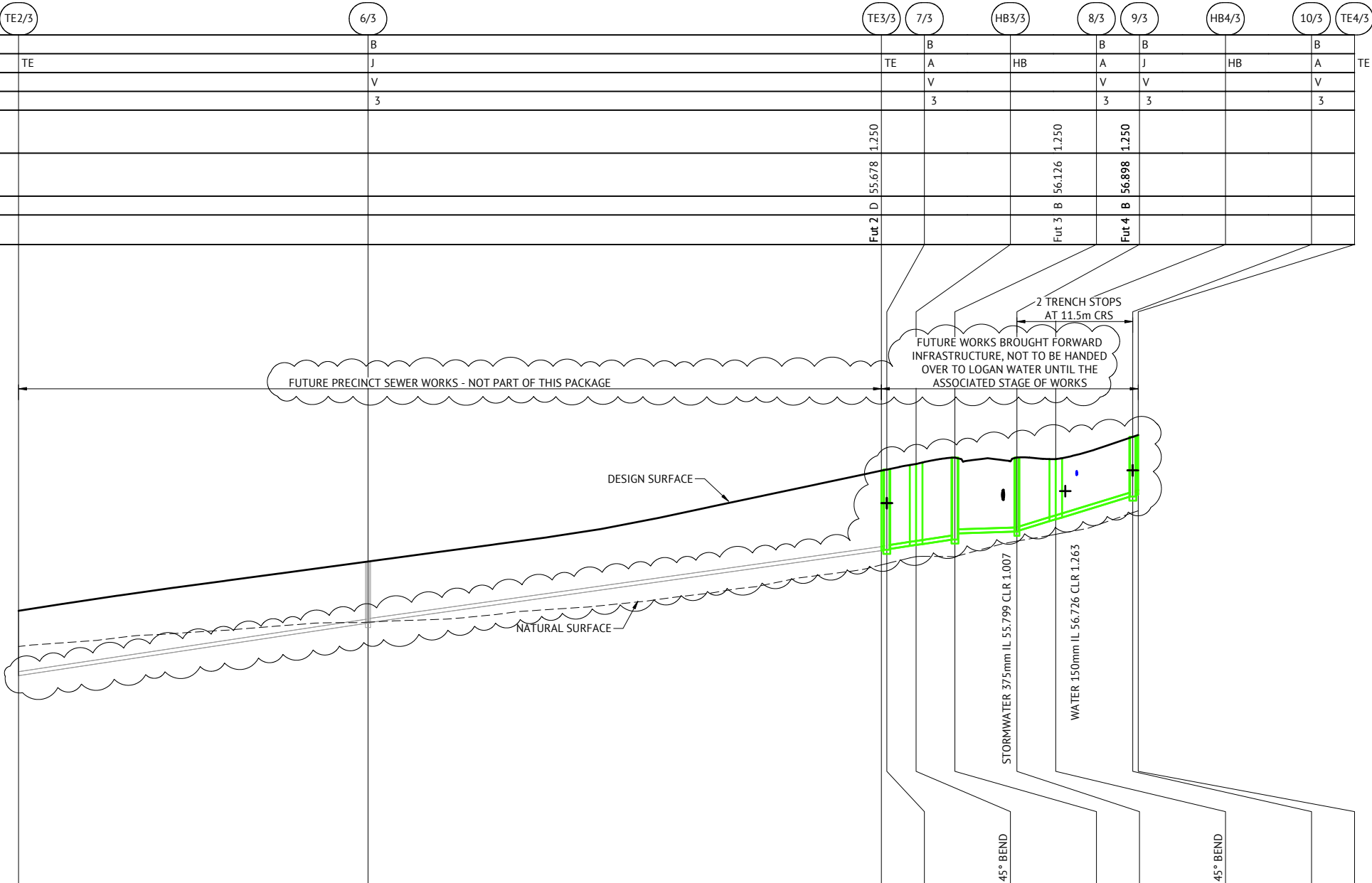
MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)

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

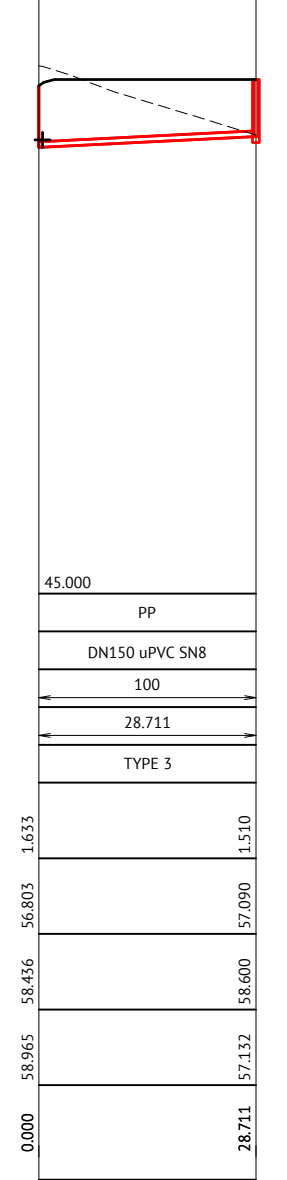
PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

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.



MAINTENANCE HOLE / SHAFT NO.	TE1/46	2/46
MH / MS COVER TYPE		B
MH / MS TYPE	TE	J
MH DROP TYPE		V
LINE NO.		46
PROPERTY CONNECTION DEPTH		
PROPERTY CONNECTION INVERT LEVEL		
PROPERTY CONNECTION TYPE		
LOT NO.		

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	41.000																				
PROPERTY DESCRIPTION																					
PIPE SIZE (mm), CLASS																					
GRADE (1 IN X)		33		36		36	36	36	36	36	167	17	17	17	17	17					
LENGTH		65.000		95.500		1.000	4.272	1.178	1.178	6.042	11.534	6.042	1.178	1.178	13.156	1.000					
EMBEDMENT TYPE																					
DEPTH OF INVERT BELOW FSL	2.416		2.298	2.268		2.975	2.987	2.957	3.005	3.012	3.034	3.047	2.820	2.756	2.726	2.310	2.241	2.204	2.225	2.195	2.203
INVERT LEVEL (IL)	49.259	51.209	51.239		53.913	53.941	53.971	54.090	54.123	54.156	54.325	54.553	54.622	54.652	55.008	55.078	55.147	55.923	55.953	56.013	
FINISHED SURFACE LEVEL (FSL)	51.674	53.507			56.888	56.928	57.096	57.135	57.191	57.373	57.378	57.378	57.319	57.319	57.351	58.148	58.148	58.148	58.215	58.215	
EXISTING SURFACE LEVEL (ESL)	50.345	51.251			53.382	53.431	53.641	53.689	53.700	53.691	54.267	54.474	54.518	54.563	55.327	55.327	55.327	55.396	55.396		
CHAINAGE (CH)	228.713	293.713			389.213	390.213	394.485	395.663	396.841	402.884	414.418	420.460	421.638	422.816	435.972	436.972					

LINE 3

46

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS	KK	PB
13/01/2022	E	ISSUED FOR CONSTRUCTION		KK	PB
26/10/2021	D	AMENDED NOTES TO MATCH LAYOUT NOTES		KK	PB
22/10/2021	C	AMENDED SEWER LAYOUT AS PER RFI DATED 22/10/2021		KK	PB
14/10/2021	B	AMENDED LONG SECTION AS PER RFI DATED 13/10/2021, AMENDED SEWER COLOURS		KK	
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION		KK	
20/09/2021	1	PRELIMINARY - NOT FOR CONSTRUCTION		VKH	

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DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR
PATRICK BRADY
 RPEQ 7112

SCALE
 HORIZONTAL 1:500 (A1)
 VERTICAL 1:100 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
SEWERAGE LONG SECTIONS - SHEET 2 OF 7

JOB CODE
MIR009-03
 SHEET NUMBER
C521
 REV
E

MAINTENANCE HOLE / SHAFT NO.

MH / MS COVER TYPE	HB	B	HB	HB	J	B
MH / MS TYPE	HB	A	HB	HB	J	J
MH DROP TYPE	V	V	V	V	V	V
LINE NO.	52	52	52	52	52	52
PROPERTY CONNECTION DEPTH	1.250	1.250	1.500	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	50.857	50.857	52.499	53.280	53.753	54.151
PROPERTY CONNECTION TYPE	B	B	B	B	B	B
LOT NO.	3185	3170	3175	3172	3171	3170

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

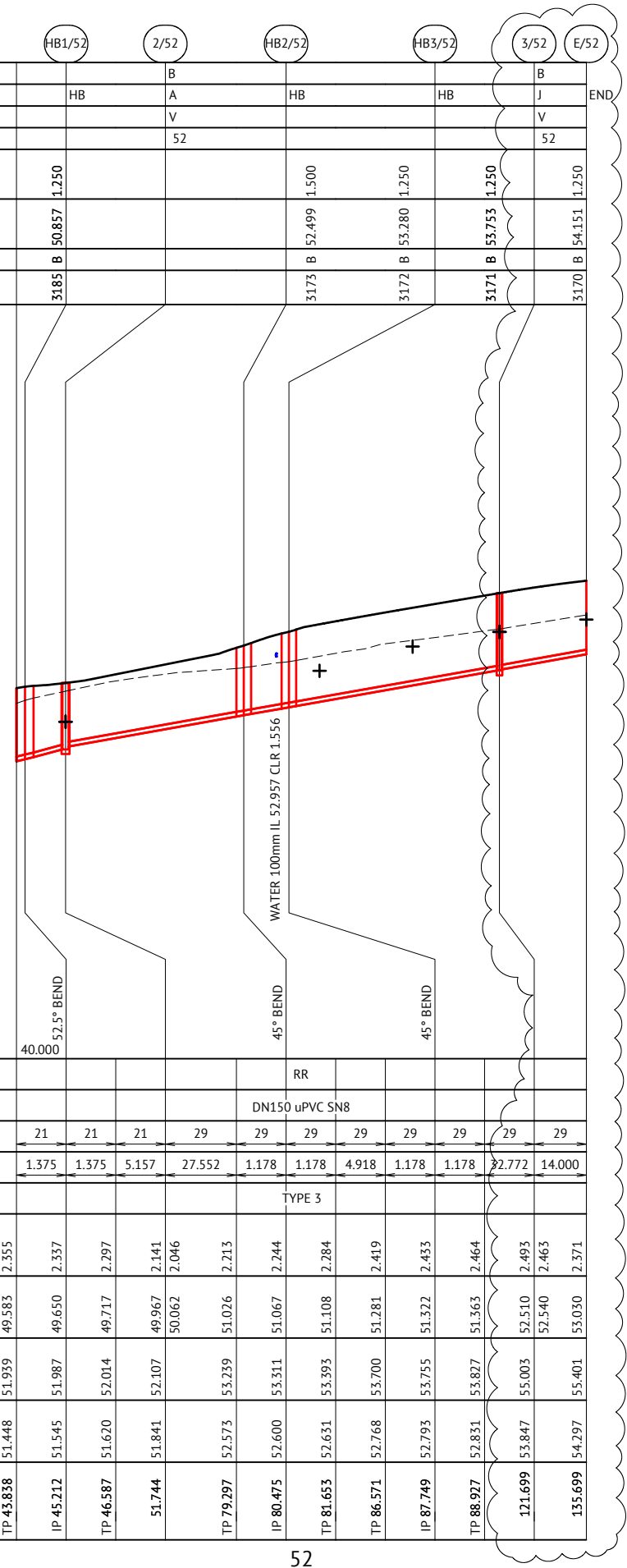
MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT)
TE	TEMPORARY END
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)

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

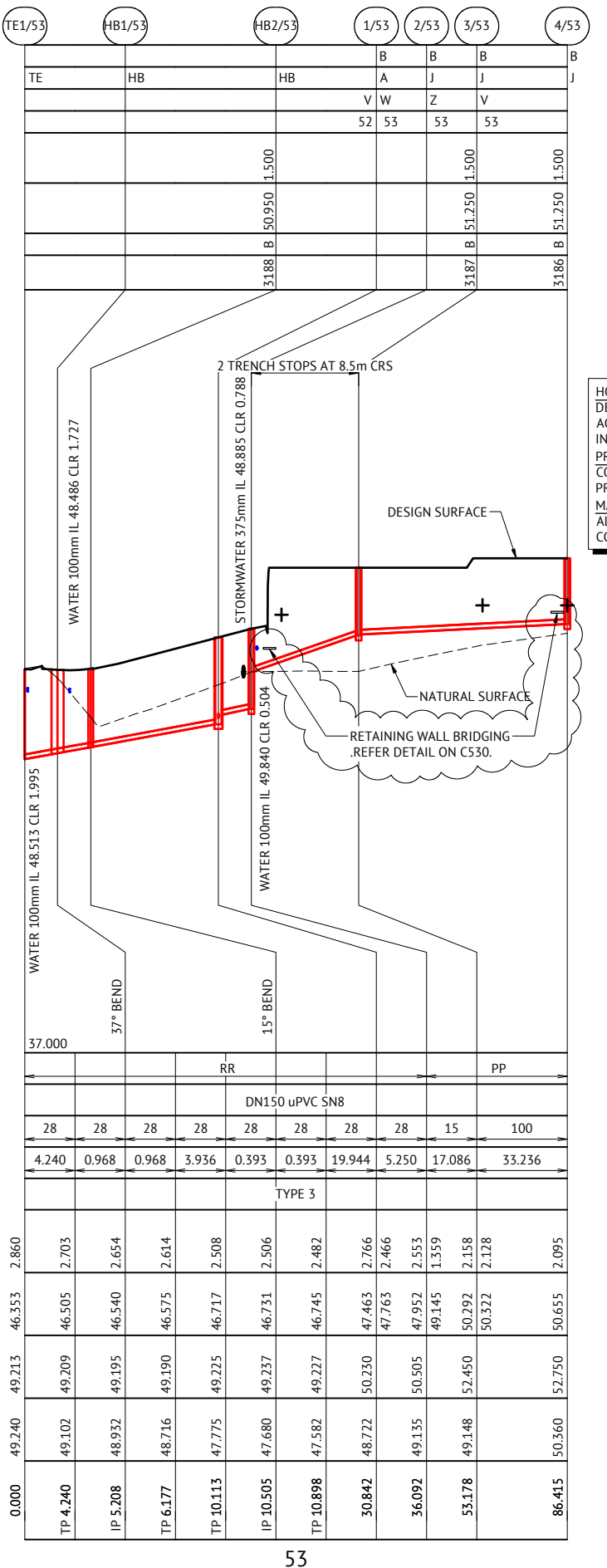
- NOTES:
1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).
2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.



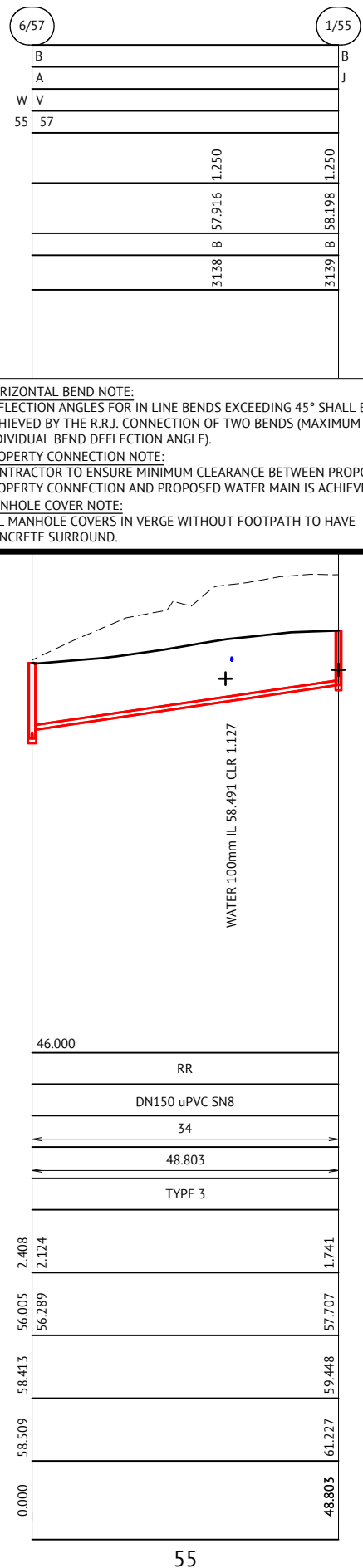
DATUM RL

PROPERTY DESCRIPTION	RR
PIPE SIZE (mm), CLASS	DN150 uPVC SN8
GRADE (1 IN X)	21, 21, 21, 29, 29, 29, 29, 29, 29, 29
LENGTH	1.375, 1.375, 5.157, 27.552, 1.178, 1.178, 4.918, 1.178, 1.178, 22.772, 14.000
EMBEDMENT TYPE	TYPE 3
DEPTH OF INVERT BELOW FSL	2.355, 2.337, 2.297, 2.141, 2.046, 2.213, 2.244, 2.284, 2.419, 2.433, 2.464, 2.493, 2.463, 2.371
INVERT LEVEL (IL)	49.583, 49.650, 49.717, 49.967, 50.062, 51.026, 51.067, 51.108, 51.281, 51.322, 51.363, 52.510, 52.540, 53.030
FINISHED SURFACE LEVEL (FSL)	51.939, 51.987, 52.014, 52.107, 53.239, 53.311, 53.393, 53.700, 53.755, 53.827, 55.003, 55.401, 55.401
EXISTING SURFACE LEVEL (ESL)	51.448, 51.545, 51.620, 51.841, 52.573, 52.600, 52.651, 52.768, 52.793, 52.831, 53.847, 54.297, 54.297
CHAINAGE (CH)	TP 43.838, IP 45.212, TP 46.587, 51.744, TP 79.297, IP 80.475, TP 81.653, TP 86.571, IP 87.749, TP 88.927, 121.699, 135.699

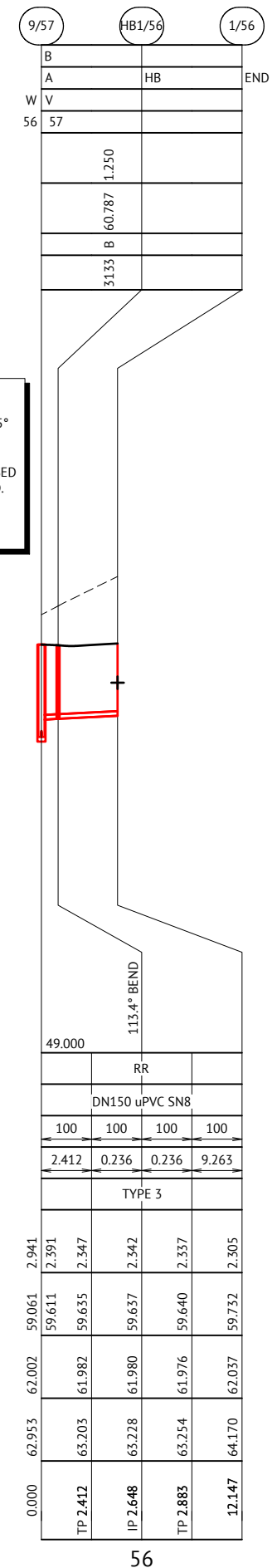
LINE 52



LINE 53



LINE 55



LINE 56

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.

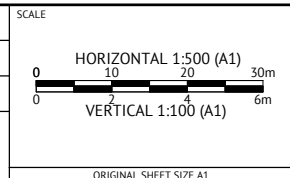
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISED BY	APP
13/01/2022	D	ISSUED FOR CONSTRUCTION	KK	PB
22/10/2021	C	AMENDED SEWER LAYOUT AS PER RFI DATED 22/10/2021	KK	PB
14/10/2021	B	AMENDED LONG SECTION AS PER RFI DATED 13/10/2021	KK	
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK	
20/09/2021	1	PRELIMINARY - NOT FOR CONSTRUCTION	VKH	



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LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
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DESIGNED
K KIWANG
CHECKED
R BARGER
PROJECT MANAGER
S STEINHOFFER
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE LONG SECTIONS - SHEET 4 OF 7

JOB CODE
MIR009-03
SHEET NUMBER
C523
REV
D

MAINTENANCE HOLE / SHAFT NO.	TE1/57	HB1/57	HB2/57	1/57	2/57	HB3/57	3/57	4/57	4A/57	HB3/57	HB4/57	5/57	6/57	HB5/57
MH / MS COVER TYPE				B	B		B	B	B			B	B	
MH / MS TYPE	TE	HB	HB	A	A	HB	J	A	J	HB	HB	J	A	HB
MH DROP TYPE				W	V	W	V	W	V			V	W	V
LINE NO.				49	57	57	57	57	57			57	57	57
PROPERTY CONNECTION DEPTH				1.250		1.250	1.350	1.500	1.500			1.250	1.250	
PROPERTY CONNECTION INVERT LEVEL				50.122		50.867	51.641	52.647	55.485			54.093	54.370	54.544
PROPERTY CONNECTION TYPE				B		B	B	B	B			B	B	B
LOT NO.				3162		3163	3164	3165	3166			3167	3168	3169

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 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	39.000																																44.000																			
PROPERTY DESCRIPTION	←																						RR										PP										RR									
PIPE SIZE (mm), CLASS	←																						DN150 uPVC SN8										DN150 D.I. PIPE										DN150 uPVC SN8									
GRADE (1 IN X)	36	36	36	36	36	36	36	36	36	36	167	21		21	21	21	71	25		167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167												
LENGTH	4.056	0.997	0.997	4.096	0.393	0.393	23.908	11.450	67.460		1.375	1.375	5.157	41.178		53.250		4.982	1.178	1.178	3.207	1.178	1.178	12.827	11.450	3.739	0.785	0.785	3.248																							
EMBODIMENT TYPE	←																						TYPE 3										TYPE 3										TYPE 3									
DEPTH OF INVERT BELOW FSL	2.646	2.538	2.493	2.460	2.359	2.357	2.737	2.671	2.601	2.096	2.993		2.993	2.969	2.832	2.812	2.729	2.244	2.882		2.852	3.074	3.105	3.128	2.911	2.860	2.817	2.519	2.489	2.408	2.358	2.307	2.299	2.296	2.292																	
INVERT LEVEL (IL)	47.296	47.407	47.435	47.462	47.575	47.596	48.254	48.320	48.388	48.893	52.131	52.197	52.263	52.511	52.531	53.107	53.592	55.722		55.752	55.782	55.789	55.796	55.816	55.823	55.830	55.817	55.907	55.937	56.005	56.055	56.078	56.082	56.087	56.107																	
FINISHED SURFACE LEVEL (FSL)	49.941	49.946	49.928	49.922	49.934	49.942	49.954	50.991	50.989	50.961	55.124	55.190	55.232	55.343	55.343	55.836	58.604		58.856	58.894	58.925	58.726	58.682	58.647	58.426	58.426	58.509	58.413	58.385	58.382	58.383	58.399																				
EXISTING SURFACE LEVEL (ESL)	49.871	49.655	49.445	49.127	48.164	48.069	47.971	49.037	49.182	48.893	54.796	54.899	54.973	55.177	56.066	58.786		59.028	59.094	59.145	59.201	59.151	59.065	57.995	58.509	58.217	58.164	58.128	58.013																							
CHAINAGE (CH)	0.000	TP 4.056	IP 5.053	TP 6.050	TP 10.146	IP 10.539	TP 10.931	34.839	46.289	TP 113.749	IP 115.124	TP 116.499	121.656	162.833	TP 221.066	222.244	TP 223.422	TP 226.629	IP 227.807	TP 228.985	241.812	253.262	TP 257.001	IP 257.786	TP 258.571	TP 261.820																										

LINE 57

FOR CONSTRUCTION

13/01/2022	D	ISSUED FOR CONSTRUCTION	KK	PB
22/10/2021	C	AMENDED SEWER LAYOUT AS PER RFI DATED 22/10/2021	KK	PB
14/10/2021	B	AMENDED LONG SECTION AS PER RFI DATED 13/10/2021	KK	PB
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK	PB
DATE	REV	DESCRIPTION	REC	APP

Premise

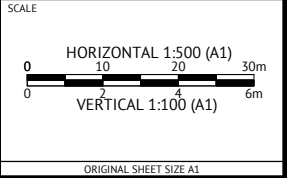
BRISBANE OFFICE
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DESIGNED
K KIWIANG

CHECKED
R BARGER

PROJECT MANAGER
S STEINHOFER

PROJECT DIRECTOR
PATRICK BRADY



CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
SEWERAGE LONG SECTIONS - SHEET 5 OF 7

JOB CODE
MIR009-03

SHEET NUMBER	REV
C524	D

MAINTENANCE HOLE / SHAFT NO.

Table with columns for MH / MS COVER TYPE, MH / MS TYPE, MH DROP TYPE, LINE NO., PROPERTY CONNECTION DEPTH, PROPERTY CONNECTION INVERT LEVEL, PROPERTY CONNECTION TYPE, and LOT NO. across various shaft numbers like HB6/57, 7/57, 7A/57, etc.

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

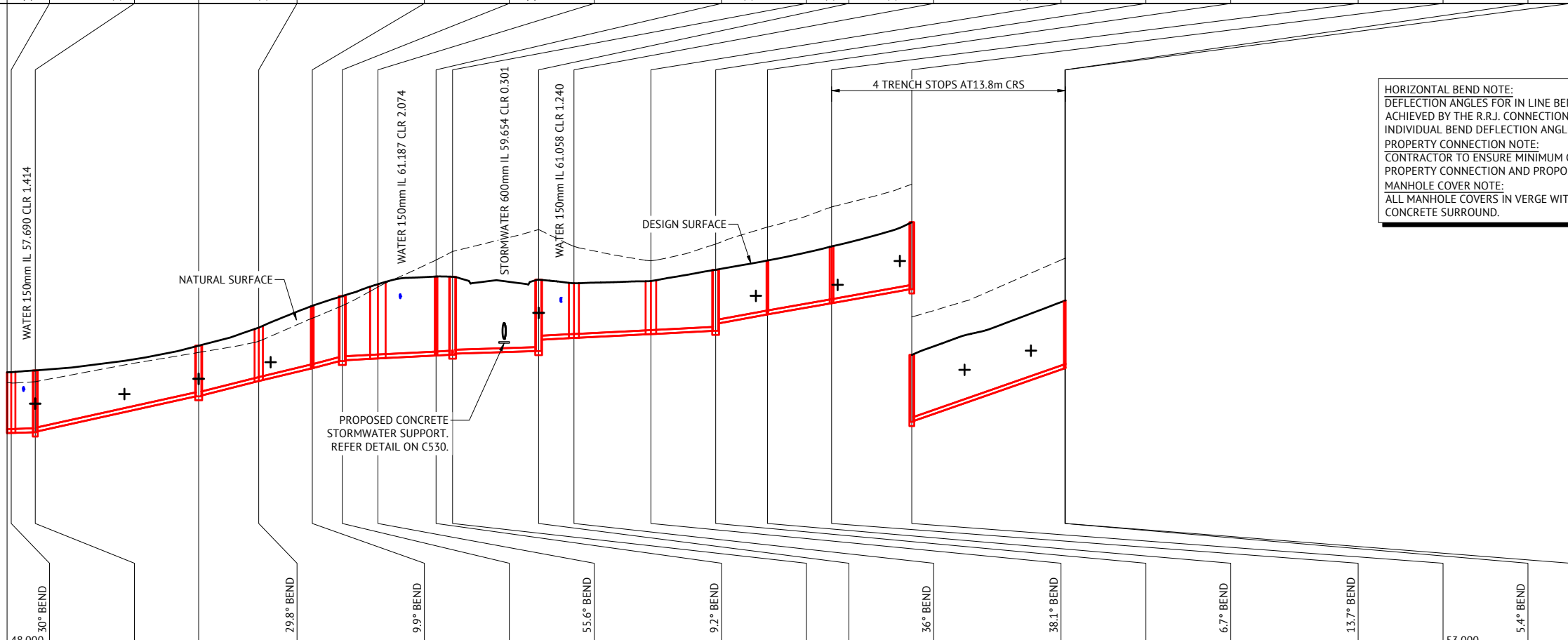
MANHOLE TYPES table with entries: A CONCRETE MANHOLE 1.0Ø, B CONCRETE MANHOLE 1.2Ø, C CONCRETE MANHOLE 1.5Ø, J TYPE 'J' 1 MAINTENANCE SHAFT (DN300 SHAFT), TE TEMPORARY END, HB HORIZONTAL BEND (3m HORIZ. RADIUS)

LID TYPES table with entries: B CLASS B NON TRAFFICABLE CAST IRON, BD CLASS B NON TRAFFICABLE BOLT DOWN, D CLASS D TRAFFICABLE CAST IRON

MAINTENANCE STRUCTURE DROP TYPES table with entries: 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 table with entries: 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

Table with columns for PROPERTY DESCRIPTION, PIPE SIZE (mm), CLASS, GRADE (1 IN X), LENGTH, EMBEDMENT TYPE, DEPTH OF INVERT BELOW FSL, INVERT LEVEL (IL), FINISHED SURFACE LEVEL (FSL), EXISTING SURFACE LEVEL (ESL), and CHAINAGE (CH).

LINE

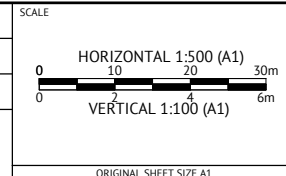
57

FOR CONSTRUCTION

Revisions table with columns: DATE, REV, DESCRIPTION, REVISIONS, REC, APP.

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CHECKED R BARGER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY
RPEQ 7112



CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE LONG SECTIONS - SHEET 6 OF 7

JOB CODE MIR009-03
SHEET NUMBER C525
REV C

MAINTENANCE HOLE / SHAFT NO.

MH / MS COVER TYPE		HB16/57	13/57	14/57	15/57	TE2/57
MH / MS TYPE		HB	A	A	A	TE
MH DROP TYPE			Y	W	Y	V
LINE NO.			64	57	59	57
PROPERTY CONNECTION DEPTH						
PROPERTY CONNECTION INVERT LEVEL						
PROPERTY CONNECTION TYPE						
LOT NO.		3117	3118			

LEGEND
 RR DENOTES ROAD RESERVE
 PP DENOTES PRIVATE PROPERTY

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
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

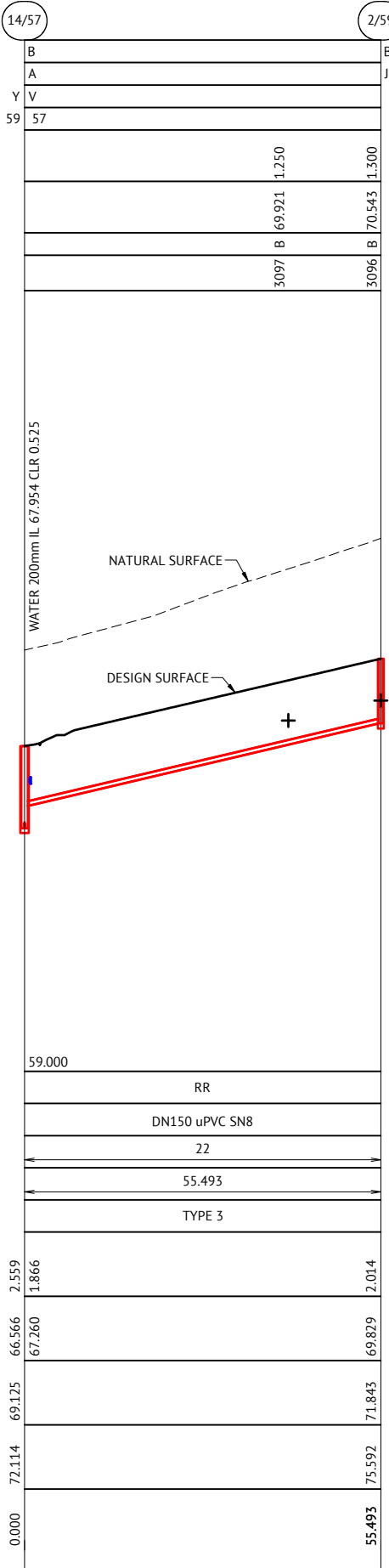
PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

- 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.

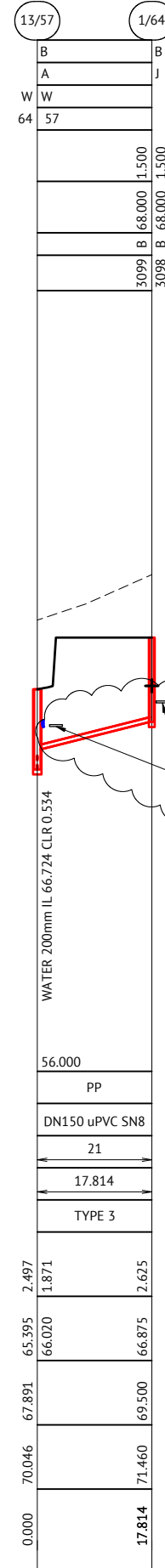
DATUM RL

PROPERTY DESCRIPTION						
PIPE SIZE (mm), CLASS						
GRADE (1 IN X)	14	14	14	14	34	23
LENGTH	18.652	0.059	0.059	7.775	30.453	10.323
EMBEDMENT TYPE						
DEPTH OF INVERT BELOW FSL	2.546	2.589	2.589	2.589	2.559	2.312
INVERT LEVEL (IL)	63.563	64.850	64.854	64.858	65.395	67.069
FINISHED SURFACE LEVEL (FSL)	66.109	67.439	67.443	67.447	67.891	69.381
EXISTING SURFACE LEVEL (ESL)	67.701	69.384	69.391	69.397	70.046	72.235
CHAINAGE (CH)	TP 461.344	TP 479.996	IP 480.055	TP 480.115	487.890	518.343

LINE 57



LINE 59



LINE 64

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

13/01/2022	C	ISSUED FOR CONSTRUCTION	KK	PB
22/10/2021	B	AMENDED SEWER LAYOUT AS PER RFI DATED 22/10/2021	KK	PB
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK	PB
DATE	REV	DESCRIPTION	REC	APP

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 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR
PATRICK BRADY
 RPEQ 7112

SCALE
 HORIZONTAL 1:500 (A1)
 VERTICAL 1:100 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
SEWERAGE LONG SECTIONS - SHEET 7 OF 7

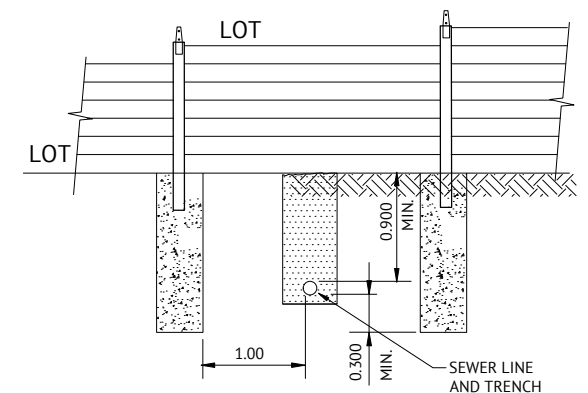
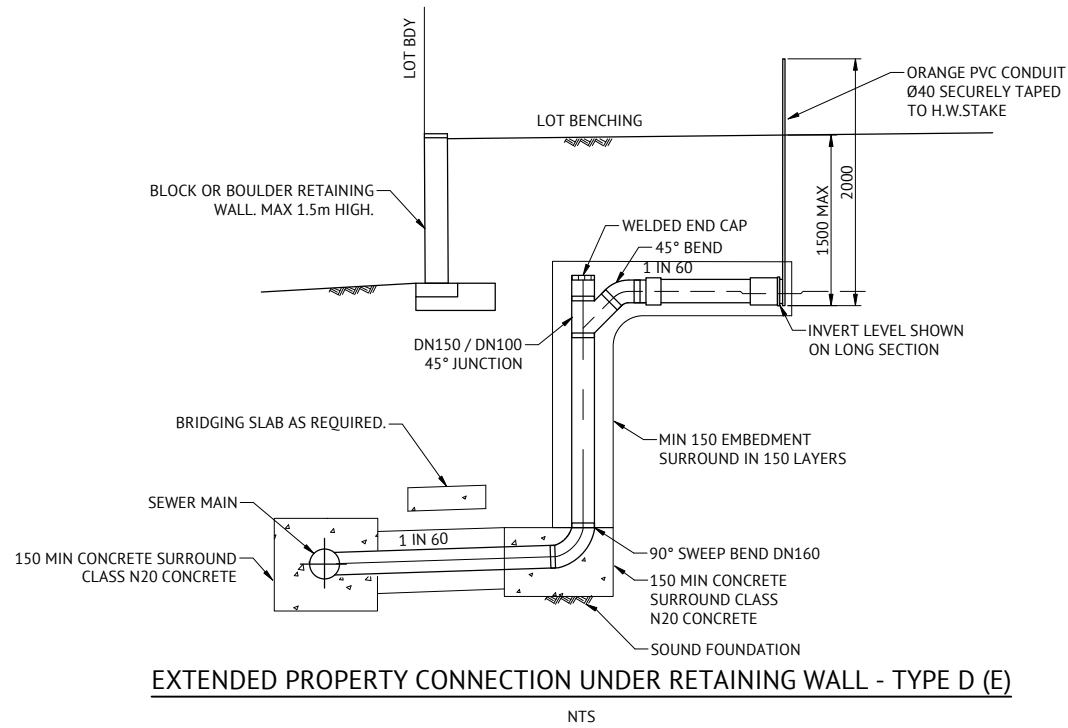
JOB CODE
MIR009-03
 SHEET NUMBER
C526
 REV
C

LIVE SEWER WORKS

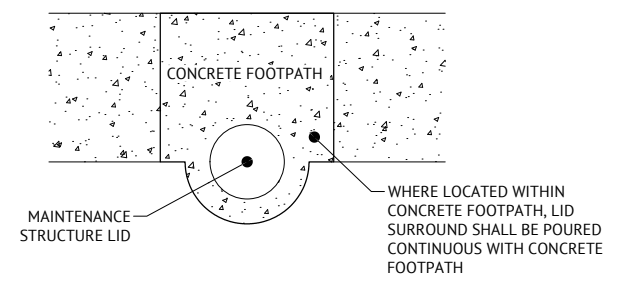
No.	DESCRIPTION	DIA. SEWER	MH NO.	MH TYPE	COVER TYPE	LOT NO.	F.S.L.	E.S.L.	I.L.	DEPTH
1(A)	0.5m FROM STUB END CAP TE1/46, CONSTRUCTOR TO LAY NEW LINE 46. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY.	150	TE1/46	END	-	3150	58.436	58.965	56.803	1.633
1(B)	AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 46 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.									
2(A)	0.5m FROM STUB END CAP TE1/57, CONSTRUCTOR TO LAY NEW LINE 57. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY.	150	TE1/57	END	-	3179	49.941	49.871	47.296	2.646
2(B)	AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 57 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.									
3(A)	0.5m FROM STUB END CAP TE1/53, CONSTRUCTOR TO LAY NEW LINE 53. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY.	150	TE1/53	END	-	3190	49.213	49.240	46.353	2.860
3(B)	AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 53 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.									
4(A)	0.5m FROM STUB END CAP TE1/47, CONSTRUCTOR TO LAY NEW LINE 47. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY.	150	TE1/47	END	-	3190	49.214	49.201	46.992	2.222
4(B)	AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 47 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.

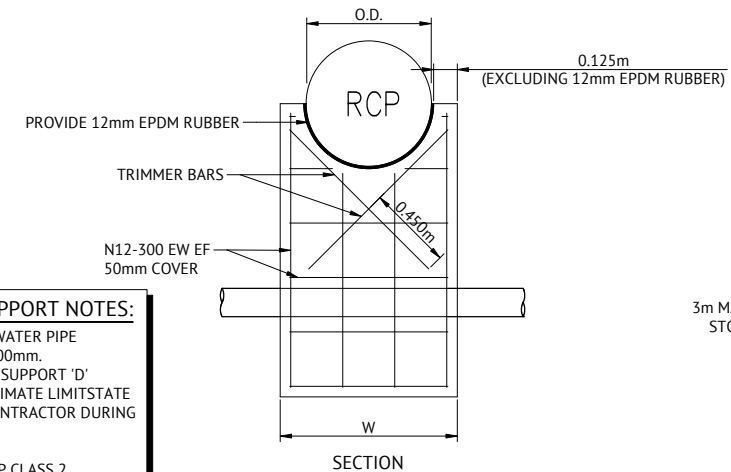
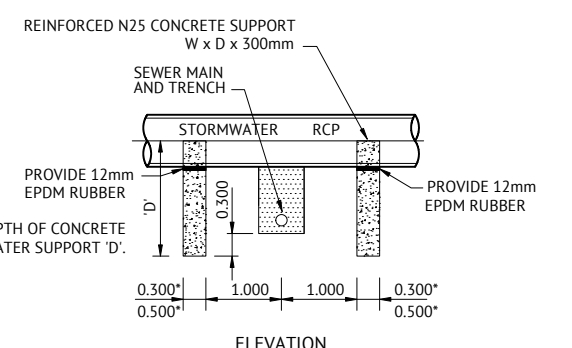
CONSULTING ENGINEERS ARE TO CONTACT PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR THIS WORK TO BE CARRIED OUT. (EXCAVATION, SAFE-SHORTING AND ASSOCIATED WORK BY CONTRACTOR). EXCAVATION WORKS CARRIED OUT BY CONTRACTORS AT DEPTH OF 1.5m OR GREATER MUST PROVIDE A "SAFE WORK PLAN" AS PER WORKPLACE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



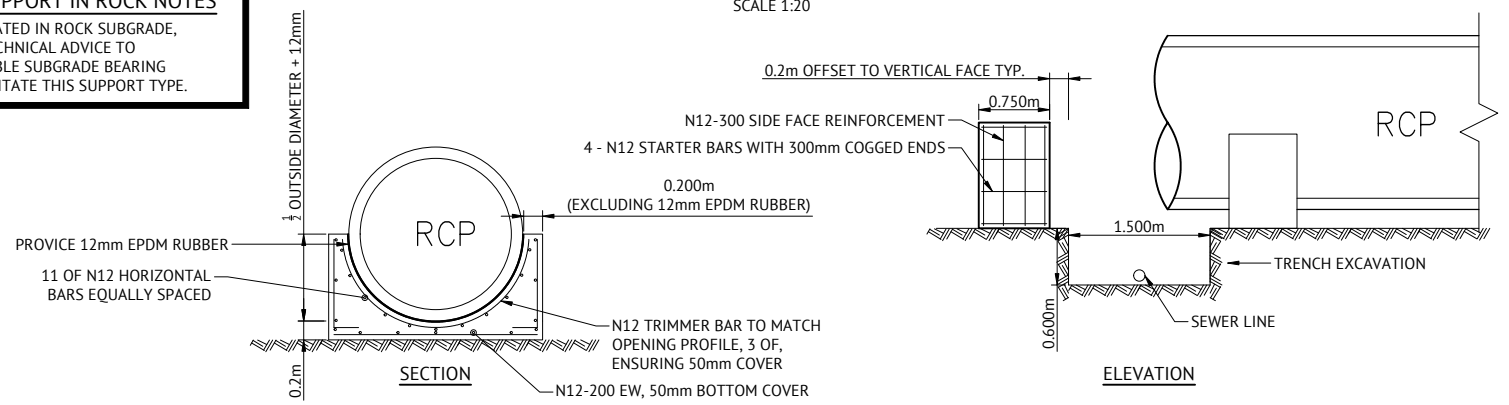
TYPICAL MAINTENANCE STRUCTURE IN CONCRETE FOOTPATH DETAIL
NTS



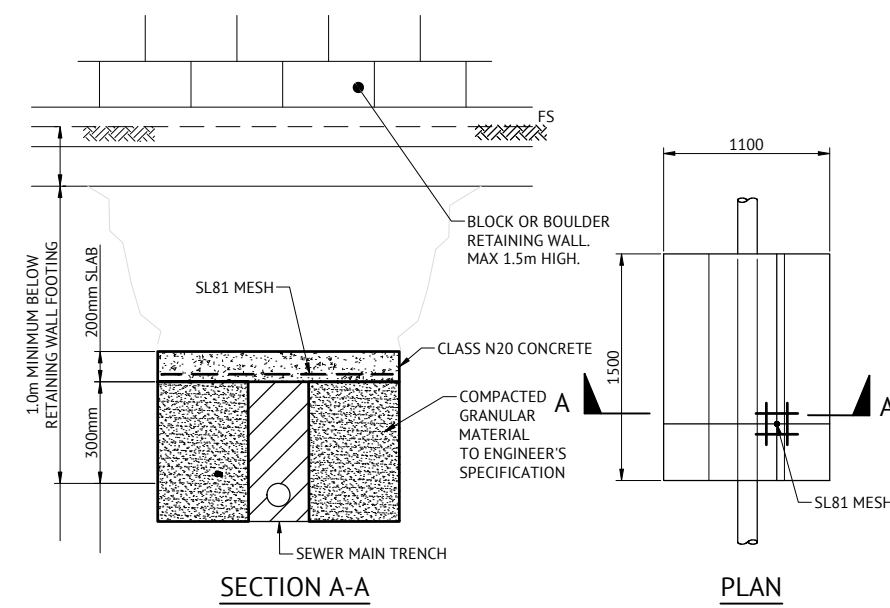
- GENERAL CONCRETE STORMWATER SUPPORT NOTES:**
- SUPPORTS TO BE INSTALLED WHERE STORMWATER PIPE DIAMETER IS EQUAL TO OR GREATER THAN 600mm.
 - 3m MAX DEPTH OF CONCRETE STORMWATER SUPPORT 'D'
 - DESIGN BASED ON ACHIEVING 100kPa OF ULTIMATE LIMITSTATE BEARING CAPACITY. TO BE CONFIRMED BY CONTRACTOR DURING 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



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

STRUCTURAL DETAILS APPROVED DATE
18/01/2022
BRIONY HOOPER RPEQ 10854

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
13/01/2022	B	ISSUED FOR CONSTRUCTION	KK	PB
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK	
20/09/2021	1	PRELIMINARY - NOT FOR CONSTRUCTION	VKH	

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PROJECT MANAGER
S STEINHOFER

PROJECT DIRECTOR
PATRICK BRADY

RPEQ 7112

SCALE
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
SEWERAGE NOTES AND DETAILS

JOB CODE
MIR009-03

SHEET NUMBER
C530

REV
B

EVERLEIGH PRECINCT 9.3A, B, C, D, E 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 OF 2
C610	WATER RETICULATION LAYOUT PLAN - SHEET 1 OF 2
C612	WATER NOTES AND 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, TRANSPANTED 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
13/01/2022	C	ISSUED FOR CONSTRUCTION	KK	PB
14/10/2021	B	ADDED NOTES 16 TO 21, AMENDED PROJECT NAME	KK	
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK	
20/09/2021	1	PRELIMINARY - NOT FOR CONSTRUCTION	VKH	

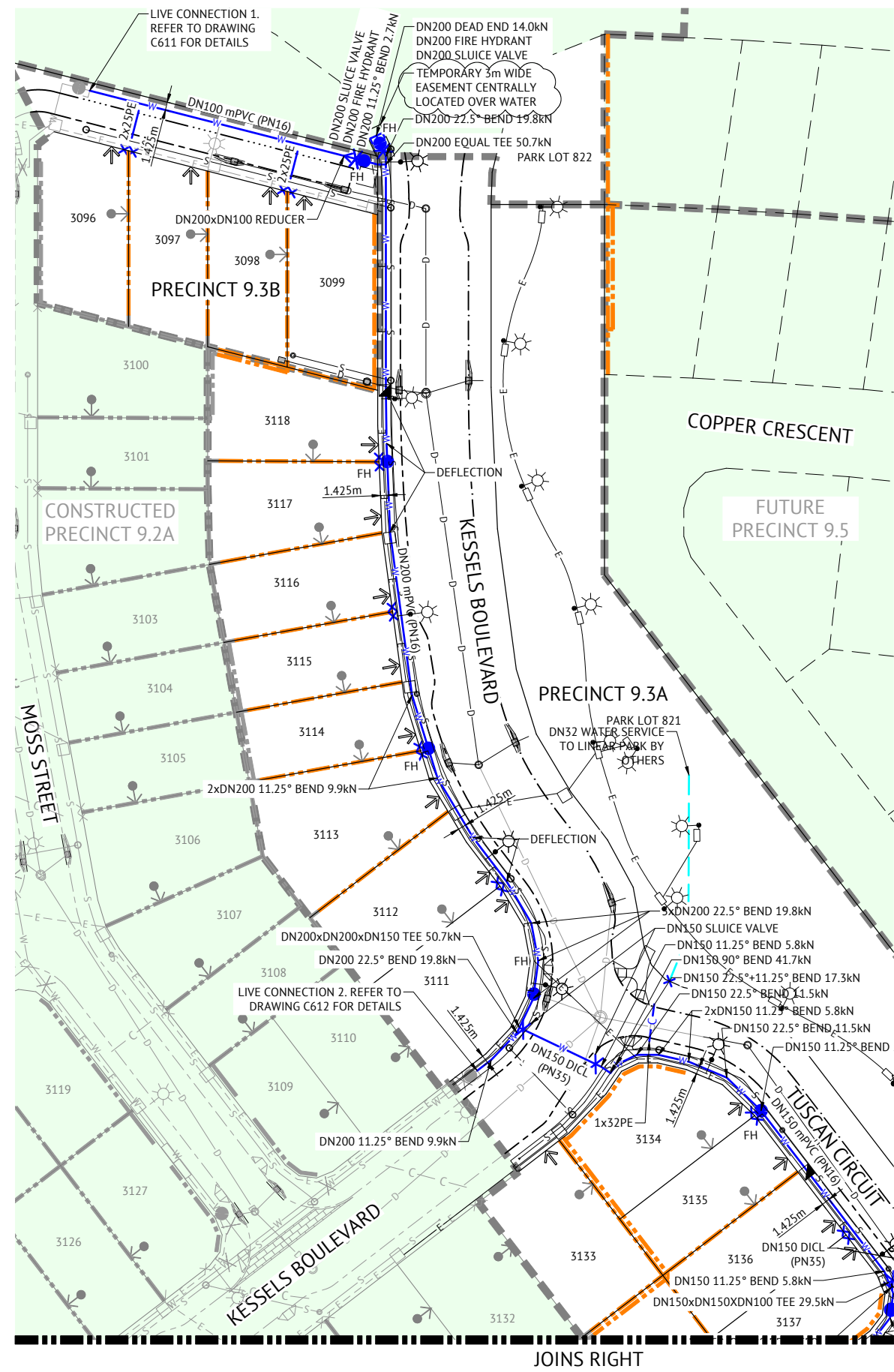


BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

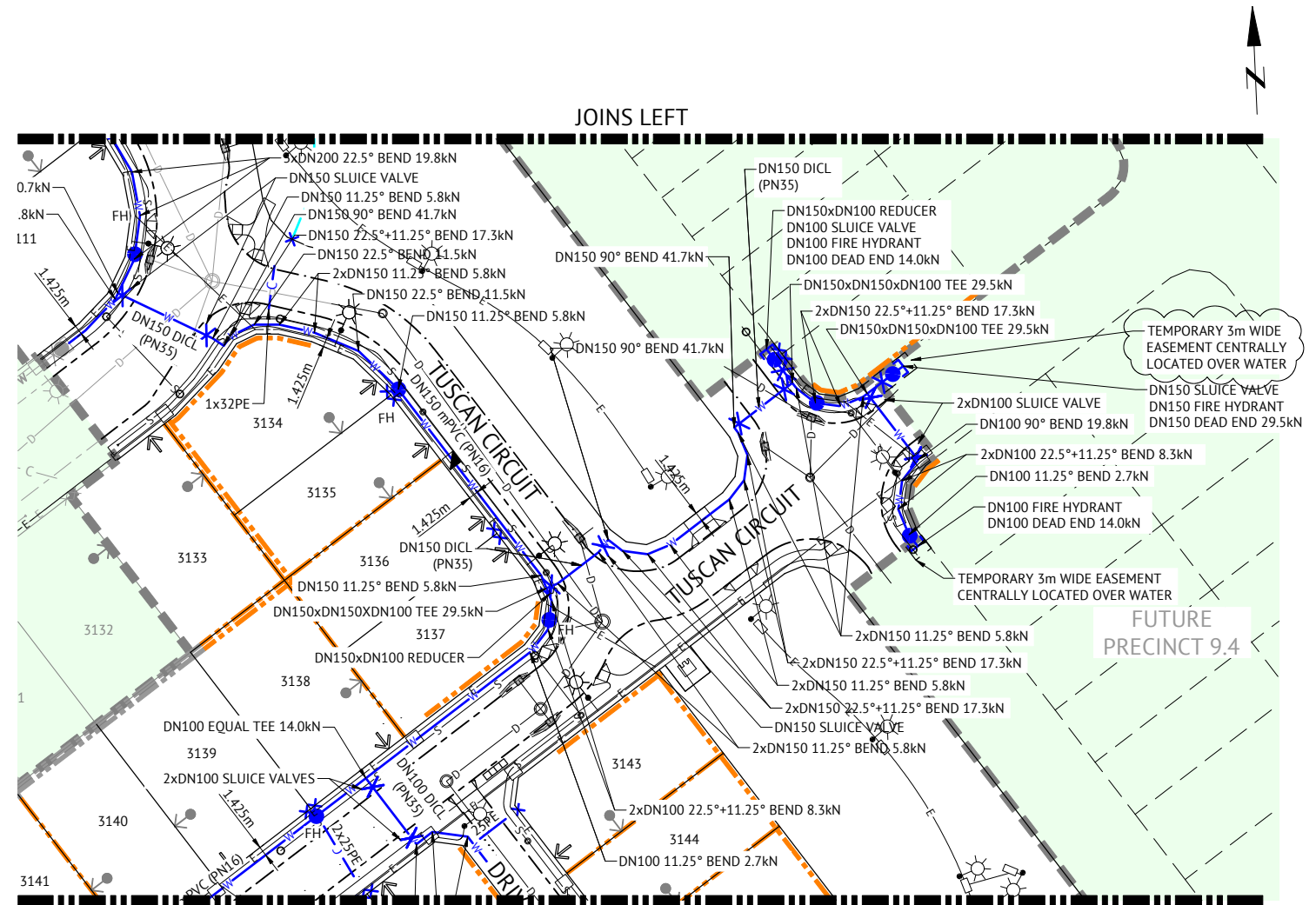
DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR

 PATRICK BRADY RPEQ 7112

SCALE

 SCALE 1:10000 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT	MIRVAC QLD PTY LTD	JOB CODE	MIR009-03
PROJECT	EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT	SHEET NUMBER	C600
LOCATION	TEVIOT ROAD, GREENBANK	REV	C
SHEET TITLE	WATER RETICULATION LOCALITY PLAN & NOTES		



JOINS RIGHT



JOINS LEFT

JOINS DRAWING C611

LEGEND - PROPOSED

- POTABLE WATERMAIN
- POTABLE WATER RETICULATION CONDUIT
- WATER SERVICES & WATER METER BOX POINT, METER BY OTHERS
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- DEAD END
- WATER SERVICE BY OTHERS
- DEFLECTION
- TRUNCATIONS 5 DEGREES OR LESS
- LOT NUMBER
- STORMWATER
- GRAVITY SEWER
- SEWER RISING MAIN
- ELECTRICITY
- ZERO LOT BOUNDARY
- PREFERRED DRIVEWAY LOCATION (BY OTHERS)
- SITE BOUNDARY
- PROPOSED RETAINING WALL
- PAD MOUNTED TRANSFORMER

LEGEND - CONSTRUCTED

- WATER
- SLUICE VALVE
- FIRE HYDRANT
- TEST POINT
- SCOUR BRANCH
- DEAD END
- WATER METER
- STORMWATER
- GRAVITY SEWER
- SEWER RISING MAIN
- ELECTRICAL
- TELSTRA
- GAS

INDEMNITY - EXISTING SERVICES

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AS CONSTRUCTED DETAILS FOR AMEND.

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

SIGNED
 NAME OF SIGNATORY
 RPEQ No. or LICENCE
 COMPANY NAME
 START DATE

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	C	ADDED ELECTRICAL LINWORK	KK PB
22/10/2021	B	AMENDED AS PER RFI DATED 22/10/2021	KK PB
29/09/2021	A	APPROVAL ISSUE - NOT FOR CONSTRUCTION	KK
20/09/2021	1	PRELIMINARY - NOT FOR CONSTRUCTION	VKH



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DESIGNED
 K KIWANG
 CHECKED
 R BARGER
 PROJECT MANAGER
 S STEINHOFER
 PROJECT DIRECTOR
 PATRICK BRADY
 RPEQ 7112

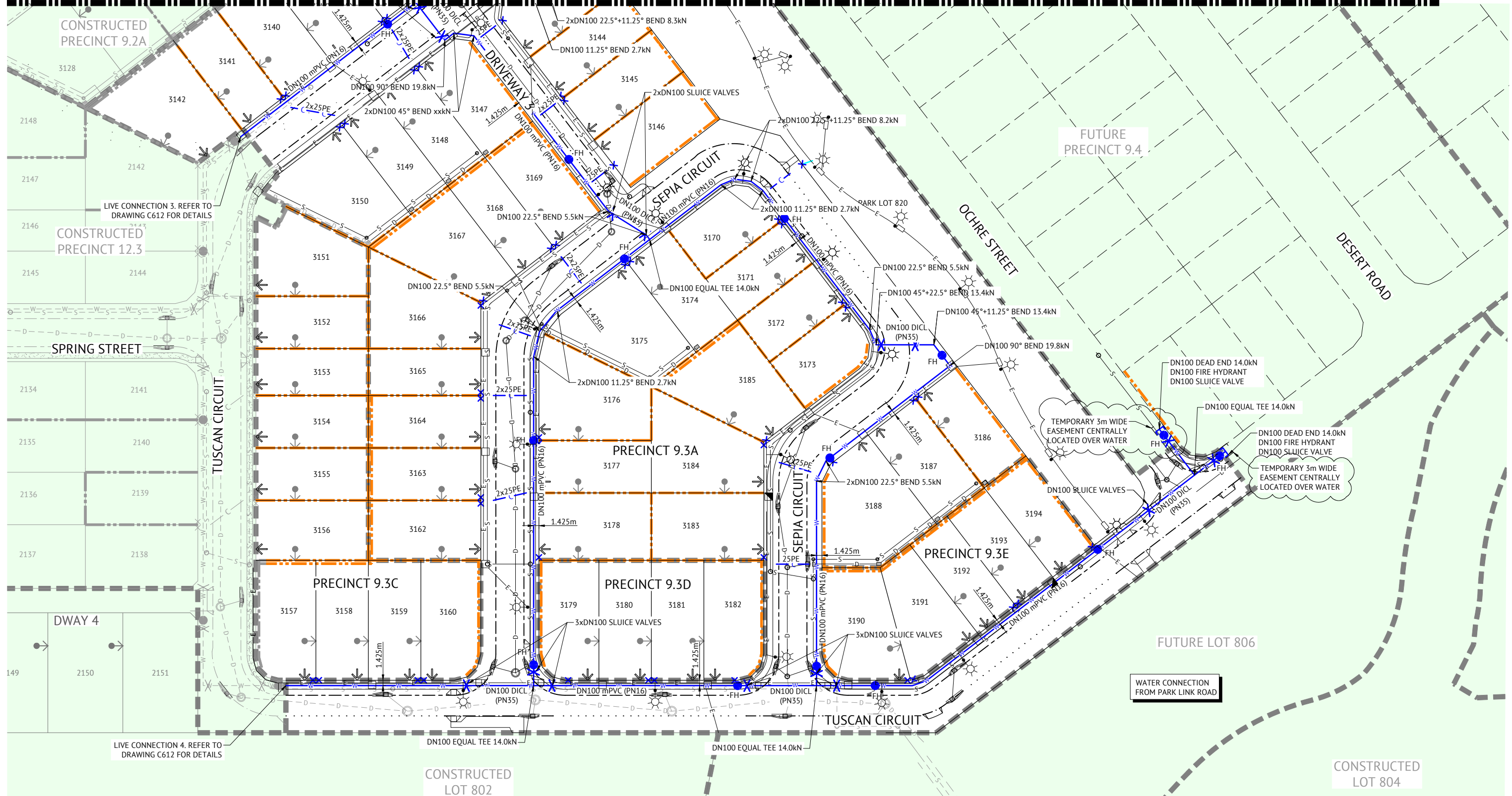
SCALE

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 ORIGINAL SHEET SIZE A1

CLIENT
 MIRVAC QLD PTY LTD
 PROJECT
 EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT
 LOCATION
 TEVIOT ROAD, GREENBANK
 SHEET TITLE
 WATER RETICULATION LAYOUT PLAN - SHEET 1 OF 2

JOB CODE
 MIR009-03
 SHEET NUMBER
 C610
 REV
 C

JOINS DRAWING C610



REFER TO C610 FOR LEGEND AND NOTES

FOR CONSTRUCTION

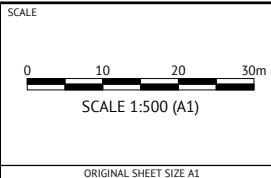
DATE	REV	DESCRIPTION	REVISIONS
13/01/2022	C	ADDED ELECTRICAL LINWORK	KK PB
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DESIGNED
K KIWANG
 CHECKED
R BARGER
 PROJECT MANAGER
S STEINHOFER
 PROJECT DIRECTOR

 PATRICK BRADY RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 9.3A, B, C, D, E SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
WATER RETICULATION LAYOUT PLAN - SHEET 2 OF 2

JOB CODE
MIR009-03

SHEET NUMBER
C611

REV
C