EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC GROUP

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
C101	ROADWORKS AND DRAINAGE LAYOUT - SHEET 2
C200	BULK EARTHWORKS LAYOUT - SHEET 1 OF 2
C201	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
C300	ROADWORKS NOTES AND DETAILS
C310	RUSSETT STREET LONG & CROSS SECTIONS
C311	OLIVE AVENUE LONGITUDINAL SECTION
C312	OLIVE AVENUE CROSS SECTIONS
C313	MOSS STREET LONGITUDINAL SECTION
C314	MOSS STREET CROSS SECTIONS - SHEET 1 OF 2
C315	MOSS STREET CROSS SECTIONS - SHEET 2 OF 2
C316	BOTANICA ROAD LONGITUDINAL SECTION
C317	BOTANICA ROAD CROSS SECTIONS
C318	DWAY 4 LONG & CROSS SECTIONS
C319	BAMBOO ROAD LONGITUDINAL SECTION
C320	BAMBOO ROAD CROSS SECTIONS
C321	DWAY 1 LONG & CROSS SECTIONS
C322	DWAY 2 LONG & CROSS SECTIONS
C323	AMBER CIRCUIT LONGITUDINAL SECTION
C324	AMBER CIRCUIT CROSS SECTIONS
C330	INTERSECTION DETAILS LAYOUT
C340	PAVEMENT MARKINGS AND SIGNAGE LAYOUT - SHEET 1 OF 2
C341	PAVEMENT MARKINGS AND SIGNAGE LAYOUT - SHEET 2 OF 2
C350	ACOUSTIC FENCE LAYOUT PLAN
C400	STORMWATER DRAINAGE CATCHMENT PLAN
C410	STORMWATER DRAINAGE LONG SECTIONS - SHEET 1
C411	STORMWATER DRAINAGE LONG SECTIONS - SHEET 2
C412	STORMWATER DRAINAGE LONG SECTIONS - SHEET 3
C420	STORMWATER DRAINAGE NOTES AND DETAILS
C430	STORMWATER DRAINAGE STRUCTURE DETAILS
C440	STORMWATER CALCULATIONS 39% AEP STORM
C441	STORMWATER CALCULATIONS 1% AEP STORM
C500	SEWERAGE LOCALITY PLAN & NOTES
C510	SEWERAGE LAYOUT PLAN - SHEET 1
C511	SEWERAGE LAYOUT PLAN - SHEET 2
C520	SEWERAGE LONG SECTIONS - SHEET 1
C521	SEWERAGE LONG SECTIONS - SHEET 2
C522	SEWERAGE LONG SECTIONS - SHEET 3
C530	SEWERAGE NOTES AND DETAILS
C600	WATER RETICULATION LOCALITY PLAN & NOTES
C610	WATER RETICULATION LAYOUT PLAN - SHEET 1
C611	WATER RETICULATION LAYOUT PLAN - SHEET 2
C700	EROSION AND SEDIMENT CONTROL - STABILISATION PHASE
C710	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 1 OF 2
C711	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 2 OF 2
C900	TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 1 OF 2
C901	TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 2 OF 2

GENERAL NOTES

1. ALL DIMENSIONS GIVEN ON THESE DRAWINGS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL NEW WORK AND MATERIALS SHALL COMPLY CURRENT RELEVANT COUNCIL STANDARDS AND SPECIFICATIONS.
3. ALL WORK SHALL BE JOINED NEATLY TO EXISTING CONSTRUCTION.
4. THE CONTRACTOR IS TO LOCATE, IDENTIFY AND ESTABLISH THE CONNECTIVITY OF ALL EXISTING SERVICES WITHIN THE LIMITS OF PROPOSED WORKS AND CONFIRM THIS INFORMATION WITH THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MEASURING DEVICES, SAFETY EQUIPMENT AND MACHINERY REQUIRED TO CARRY OUT INSPECTIONS/MEETINGS AS SPECIFIED OR REQUESTED BY THE ENGINEER.
6. PROOF ROLLING NOMINATED SHALL BE CARRIED OUT USING A SINGLE AXLE HIGHWAY TRUCK WITH A REAR AXLE LOAD NOT LESS THAN 10 TONNES AND TYRES INFLATED TO 550kPa OR APPROVED EQUIVALENT. EQUIPMENT LABOUR AND LOADING REQUIRED FOR PROOF ROLLING IS TO BE PROVIDED BY THE CONTRACTOR.
7. THESE NOTES SHALL APPLY TO ALL PORTIONS OF WORK.
8. THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS. ANY POINT OF CONFLICT WILL BE RESOLVED BY THE SUPERINTENDENT.

NOISE

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

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

PRE-CONSTRUCTION & APPROVALS

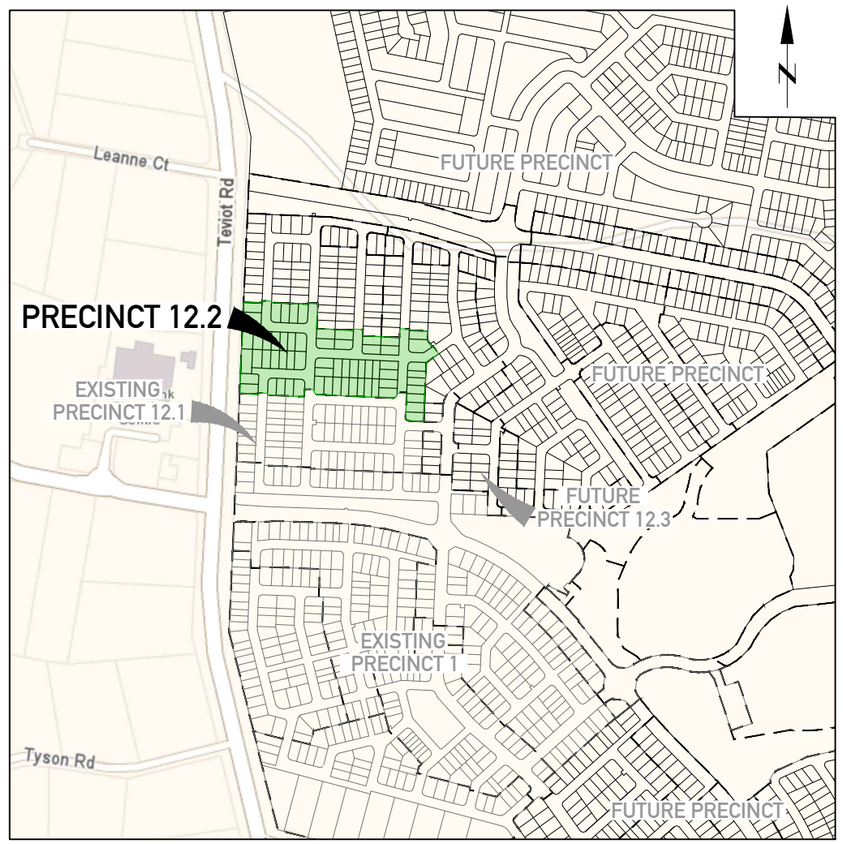
1. NO LOCATING/ POTHOLING OF EXISTING SERVICES HAS BEEN CARRIED OUT. THE CONTRACTOR IS TO DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING SERVICES WHICH AFFECT THE WORKS AND REPORT ANY POTENTIAL CLASHES TO THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORKS.
2. THE CONTRACTOR IS RESPONSIBLE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

WORKPLACE HEALTH & SAFETY

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

SETOUT NOTES

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



LOCALITY PLAN
Scale 1:5000

Premise

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
25/02/2021	B	AMENDED SHEET LIST TABLE	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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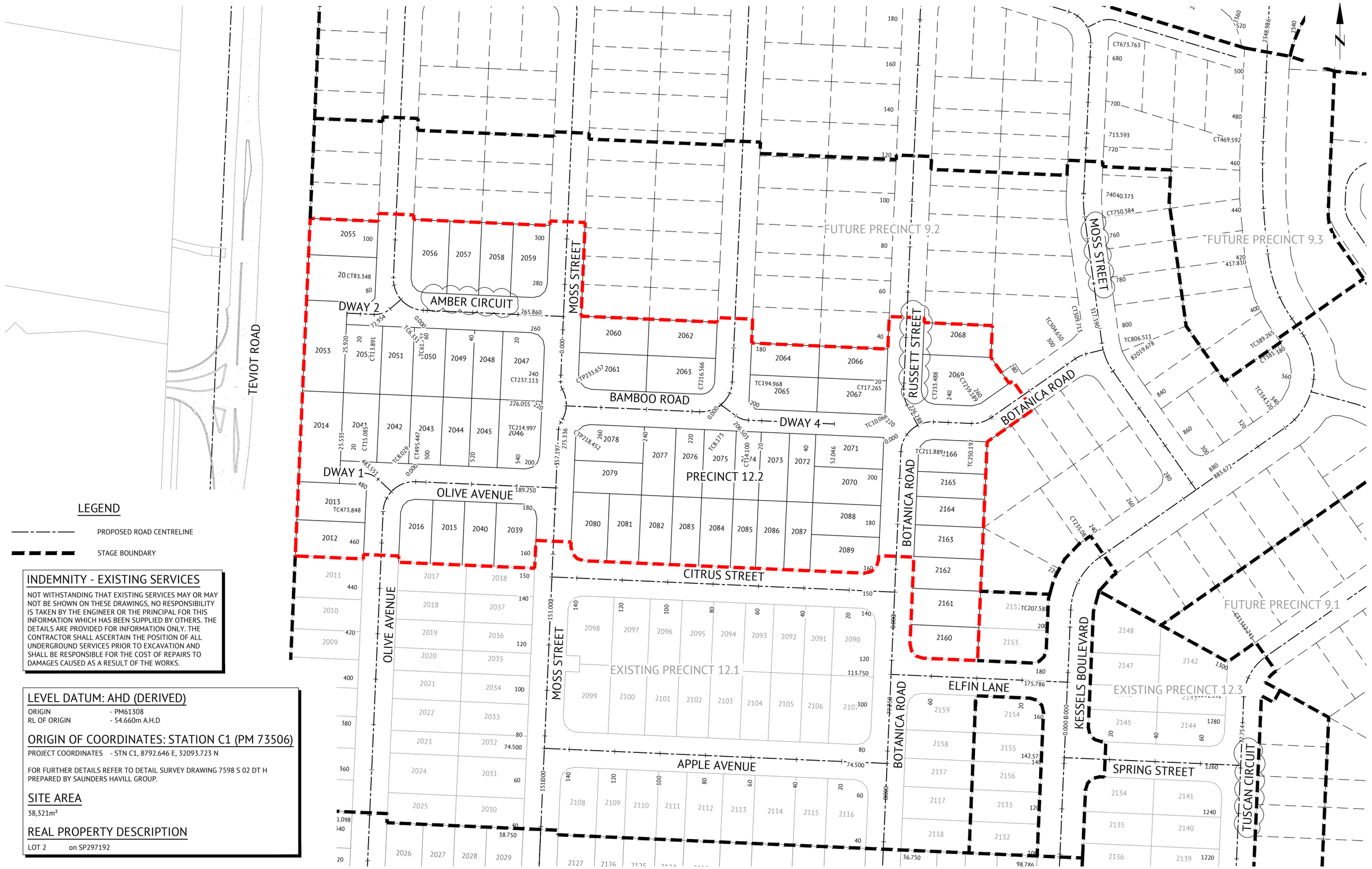
DESIGNED K KIWANG
CHECKED M MAJZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE COVER SHEET

JOB CODE MIR012-02
SHEET NUMBER C001
REV B



LEGEND

PROPOSED ROAD CENTRELINE

STAGE BOUNDARY

INDEMNITY - EXISTING SERVICES

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

LEVEL DATUM: AHD (DERIVED)

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

ORIGIN OF COORDINATES: STATION C1 (PM 73506)

PROJECT COORDINATES - STN C1, 8792.646 E, 32093.723 N

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

SITE AREA

38,321m²

REAL PROPERTY DESCRIPTION

LOT 2 on SP297192

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
23/02/21	B	AMENDED ROAD NAMES	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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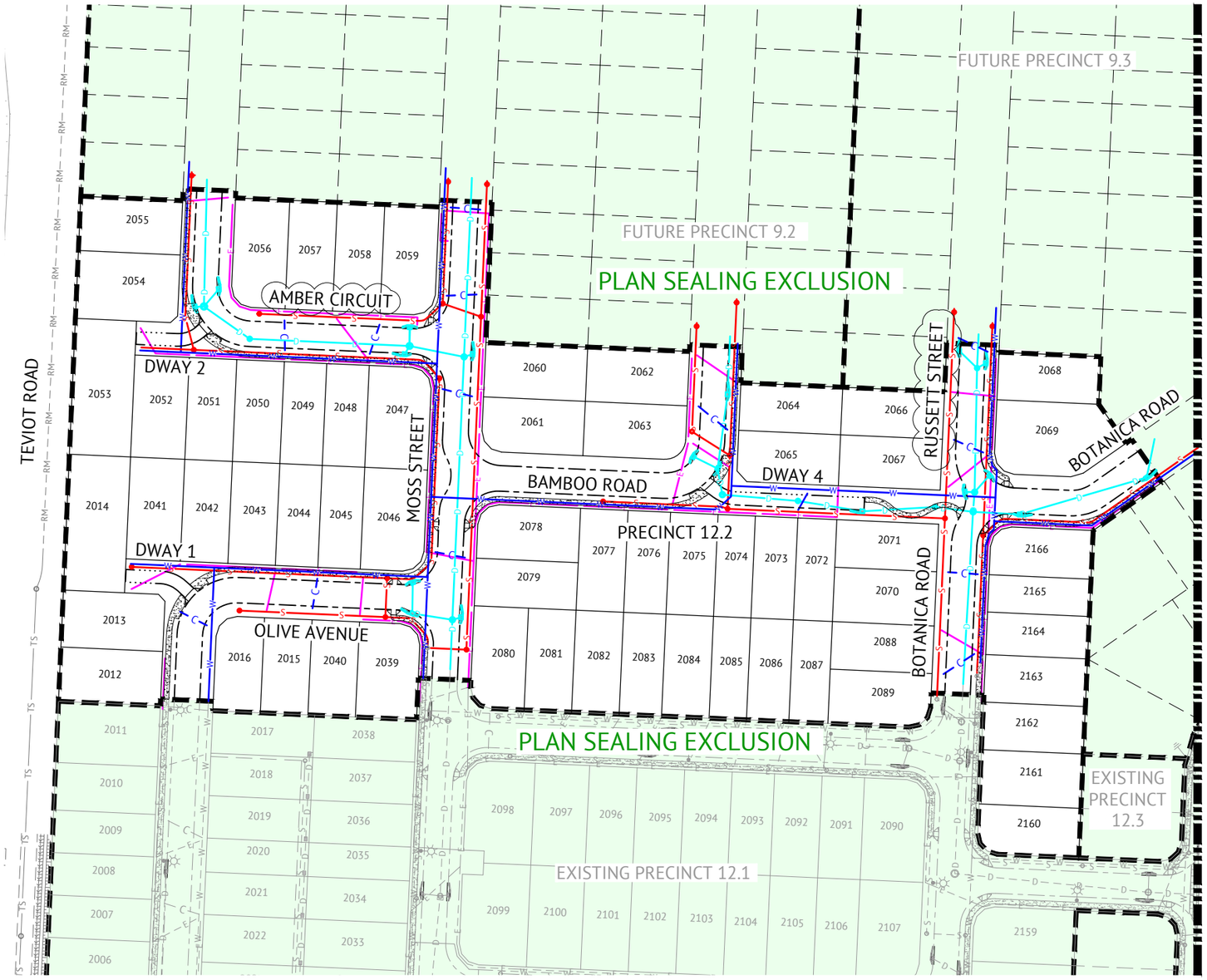
CHECKED M MAIZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SURVEY SETOUT PLAN

JOB CODE MIR012-02
SHEET NUMBER C002
REV B



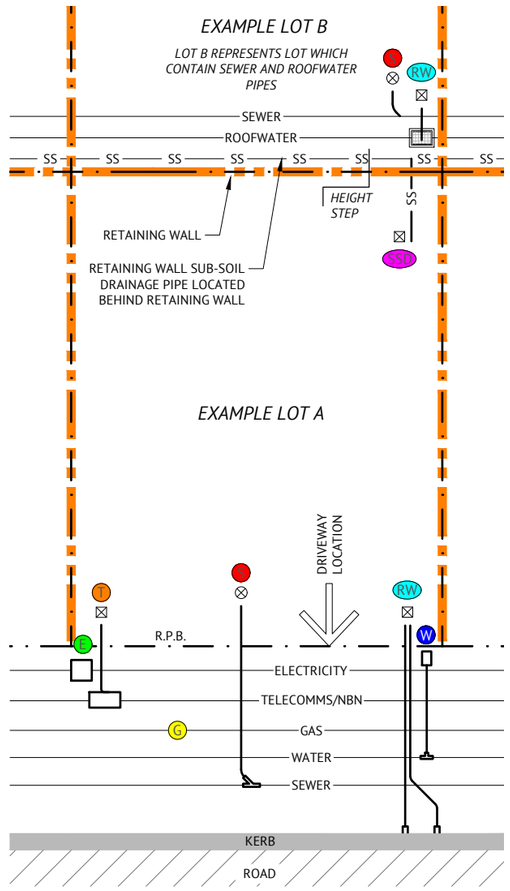
N

LEGEND - PROPOSED

D	STORMWATER
S	GRAVITY SEWER
RM	SEWER RISING MAIN
TS	TRUNK SEWER
W	WATER
E	ELECTRICITY

LEGEND - EXISTING

D	STORMWATER
S	GRAVITY SEWER
RM	SEWER RISING MAIN
TS	TRUNK SEWER
W	WATER
E	ELECTRICITY



TYPICAL PROPERTY SERVICES CONNECTIONS DETAIL
NTS

LEGEND - PROPERTY SERVICE CONNECTIONS

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

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

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

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

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

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

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

RETAINING WALL

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	C	AMENDED ROAD NAMES	KK	PB
08/09/2020	B	AMENDED LINE COLOURS AND LINE WEIGHTS	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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CHECKED M MAJZNER
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 GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE OVERALL SERVICES LAYOUT

JOB CODE MIR012-02
SHEET NUMBER C003
REV C

DESIGN HAZARD NOTES:

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

CONSEQUENCE TABLE

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

CONSTRUCTION HAZARD NOTES:

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

RISK ANALYSIS MATRIX

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

RISK EVALUATION TABLE

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

LIKELIHOOD TABLE

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

DESIGN HAZARD SCHEDULE

ITEM	DESIGN HAZARD	POTENTIAL HAZARD	RISK	ELIMINATION / MINIMISATION OF HAZARD / RISK	RESIDUAL RISK
D1	URBAN LAYOUT HAZARD	THE URBAN LAYOUT IS DESIGNED AROUND A PARTICULAR HAZARD :- - INTERSECTION IS UNCLEAR WHICH ROAD HAS PRIORITY	HIGH	THE HAZARD HAS BEEN REDUCED/ELIMINATED BY:- - LINE MARKED INTERSECTION TO ENSURE IT IS CLEAR WHICH ROAD HAS PRIORITY - DESIGN VEHICLE SWEPT PATH CHECKED FOR COMPLIANCE	LOW
D2	EXISTING UNDERGROUND / OVERHEAD SERVICES HAZARD	EXISTING UNDERGROUND AND/OR OVERHEAD SERVICES HAZARD EXIST ON SITE AND NEEDS TO BE REMOVED AND RELOCATED.	HIGH	THE DESIGN OF THE PROJECT HAS INCORPORATED THE RELOCATION OF THESE EXISTING SERVICES AND THE CONTRACTOR IS TO BE MADE AWARE OF THESE EXISTING SERVICES AND TAKE ALL ACTIONS NECESSARY TO MITIGATE THIS HAZARD DURING CONSTRUCTION.	MEDIUM
D3	DEEP EXCAVATION HAZARD	DEEP EXCAVATION IS REQUIRED TO INSTALL SEWER TO SERVICE STRUCTURE.	HIGH	THE DEEP EXCAVATION HAZARD CANNOT BE AVOIDED AND THE CONTRACTOR WILL NEED TO TAKE ALL ACTIONS NECESSARY TO ADDRESS THIS HAZARD DURING CONSTRUCTION.	MEDIUM
D4	HIGH RETAINING WALLS	SOME AREAS OF WORKS CONTAIN HIGH RETAINING WALLS WHERE LAND MORPHOLOGY DICTATES.	HIGH	HIGH RETAINING WALLS CANNOT BE AVOIDED DUE TO EXISTING LAND MORPHOLOGY. SINGLE TIER WALLS HAVE LIMITED TO A MAX HEIGHT OF 2m. CONTRACTOR WILL NEED TO TAKE ALL ACTIONS NECESSARY TO ADDRESS THIS HAZARD DURING CONSTRUCTION.	MEIDUM
D5	WATER BODIES	PROPOSED CONSTRUCTION WATER DAMS WILL BE PRESENT ON SITE.	MEDIUM	PROPOSED WATER BODIES HAVE BEEN LOCATED AWAY FROM PUBLIC ACCESS AREAS. ACCESS TO THESE LOCATION WILL BE RESTRICTED FROM THE PUBLIC. CONTRACTOR WILL NEED TO TAKE ALL ACTIONS NECESSARY TO ADDRESS THIS HAZARD DURING CONSTRUCTION.	LOW

CONSTRUCTION HAZARD SCHEDULE

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112
SCALE
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SAFETY IN DESIGN

JOB CODE MIR012-02
SHEET NUMBER C004
REV A

PLAN SEALING EXCLUSION

FUTURE PRECINCT 9.1

PRECINCT 12.2

EXISTING PRECINCT 12.1

PLAN SEALING EXCLUSION

TEVIOT ROAD

AMBER CIRCUIT

DWAY 2

DWAY 1

MOSS STREET

OLIVE AVENUE

BAMBOO ROAD

DWAY 4

RUSSETT STREET

CITRUS STREET

BOTANICA ROAD

TEMPORARY 3.0m WIDE SEWER EASEMENT CENTRALLY LOCATED OVER SEWER

STORMWATER TO BE CONSTRUCTED IN THE FUTURE

CONSTRUCT CONCRETE EDGE RESTRAINT

4no. 1mx1m CONCRETE BIN PADS BEHIND KERB

2no. 1mx1m CONCRETE BIN PADS BEHIND KERB

6no. 1mx1m CONCRETE BIN PADS BEHIND KERB

INSTALL TWIN 125x75 GALVANISED RHS FROM KAs ACROSS VERGE WITH CONNECTOR TO TWIN 100 uPVC PIPES ALONGSIDE DRIVEWAY. MIN GRADE = 1:200 TERMINATE WITHIN LOT 2053 AT IL 69.35

INSTALL TWIN 125x75 GALVANISED RHS FROM KAs ACROSS VERGE WITH CONNECTOR TO TWIN 100 uPVC PIPES ALONGSIDE DRIVEWAY. MIN GRADE = 1:200 TERMINATE WITHIN LOT 2014 AT IL 69.75

1.5m CONCRETE FOOTPATH

SAW-CUT EXISTING PAVEMENT FOR NEAT CONNECTIONS OF NEW WORKS

PMT

JOINS DRAWING C101

LEGEND - PROPOSED

- PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- PROPOSED IPWEA TYPE 'ER1' EDGE RESTRAINT. REFER IPWEA STD DWG RS-080.
- PROPOSED 1.5m WIDE (U.N.O.) CONCRETE FOOTPATH. REFER LCC STD DWGS.
- PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
- DURATHEM THRESHOLD TREATMENT. REFER TO LANDSCAPE PLANS FOR COLOUR AND PATTERN.
- 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 WATER CONDUIT
- PMT 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 - EXISTING

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

PAVEMENT SUBGRADE GUARANTEE:

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

- FOR TYPICAL SECTIONS AND NOTES REFER TO DRAWING No. C300 - ROADWORKS TYPICAL SECTIONS AND NOTES, AND DRAWING No. C400 - STORMWATER DRAINAGE DETAILS AND NOTES.

STORMWATER TRENCH BACKFILL NOTE:

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	C	AMENDED ROAD NAMES	KK	PB
02/10/2020	B	AMENDED FOOTPATH AND KERB RAMPS ALIGNMENT	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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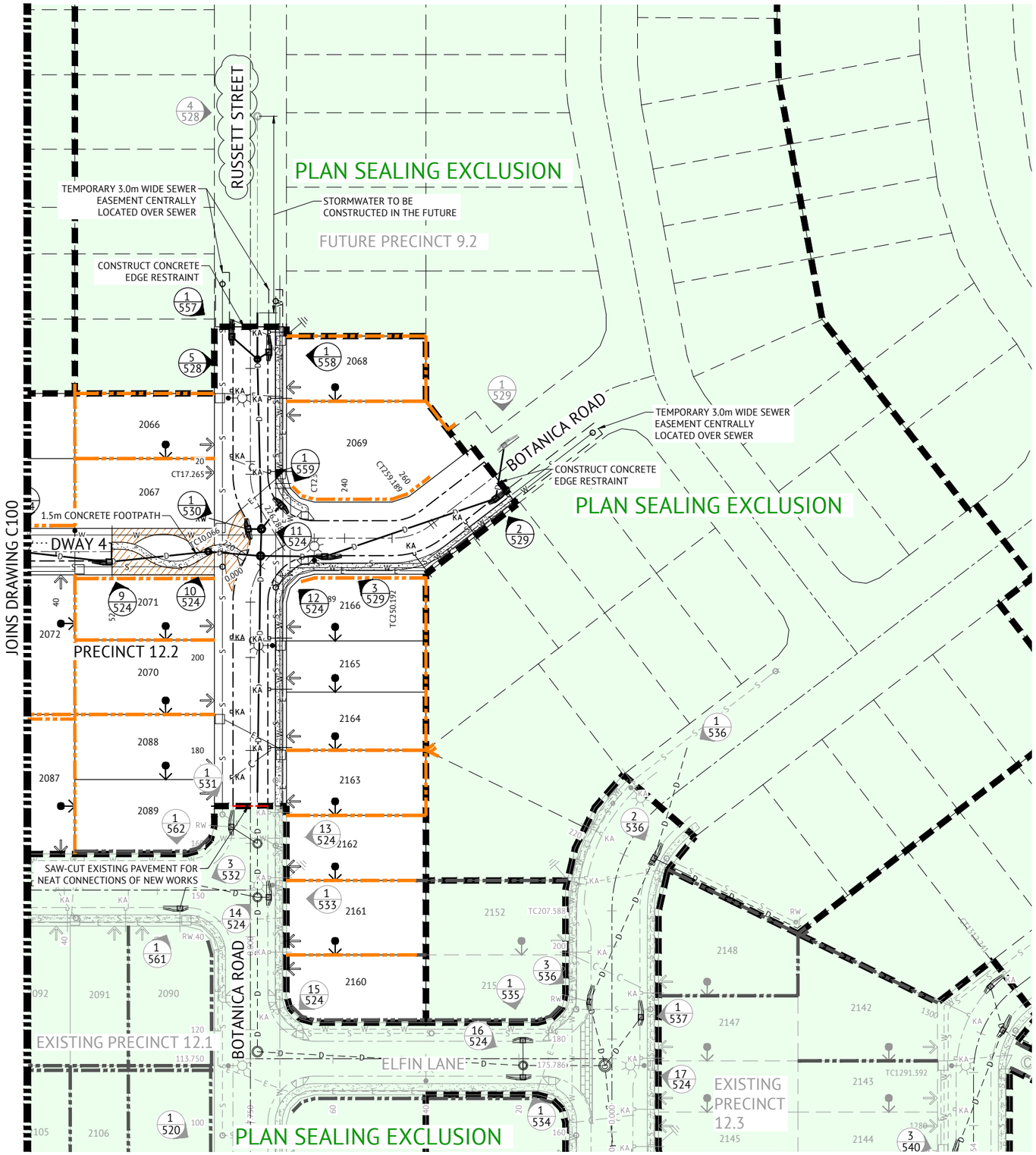
DESIGNED K KIWANG
CHECKED M MAIZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROADWORKS AND DRAINAGE LAYOUT - SHEET 1

JOB CODE MIR012-02
SHEET NUMBER C100
REV C



REFER TO C100 FOR LEGEND AND NOTES

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	C	AMENDED ROAD NAME	KK	PB
02/10/2020	B	AMENDED FOOTPATH AND KERB RAMPS ALIGNMENT	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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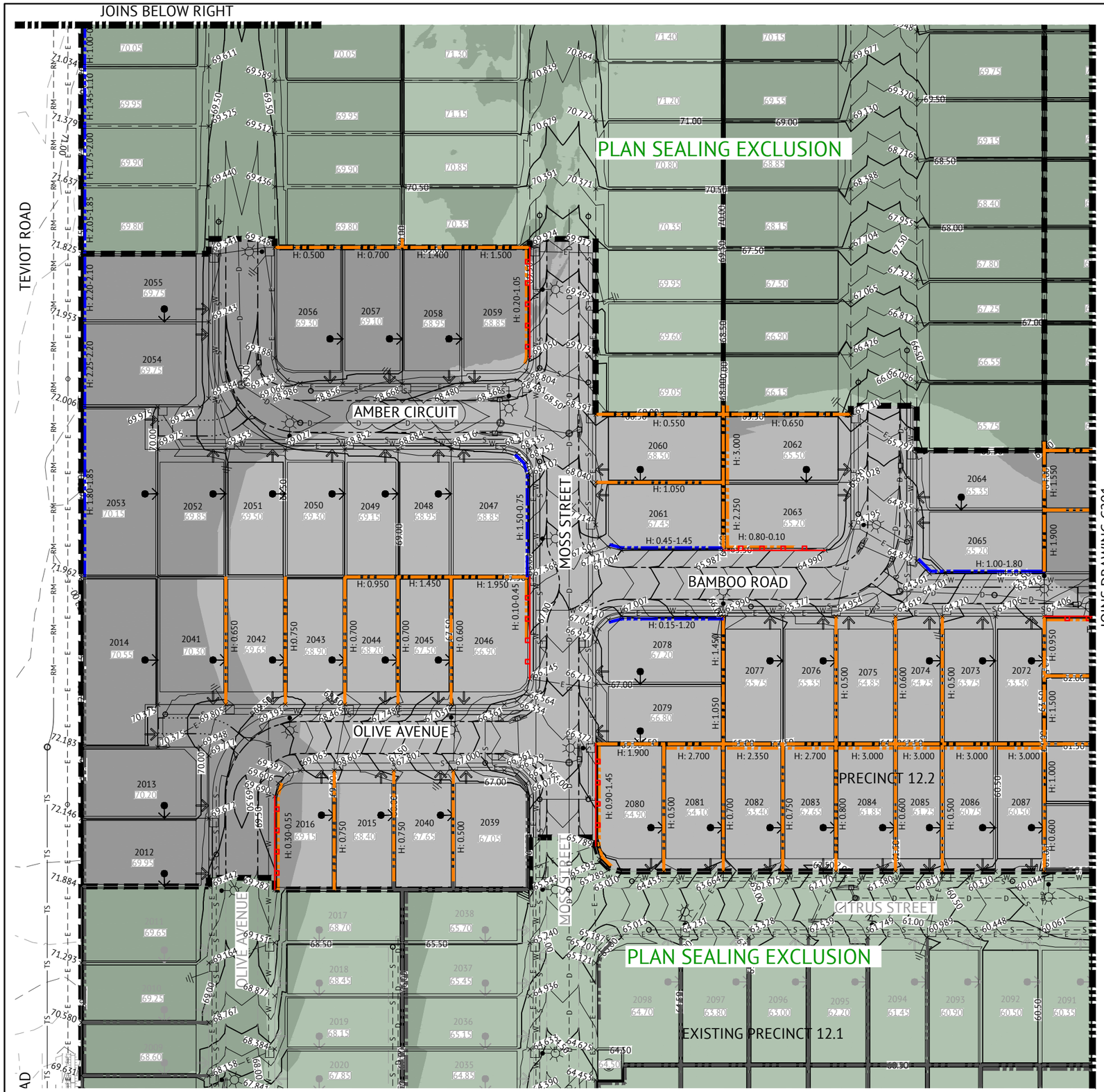
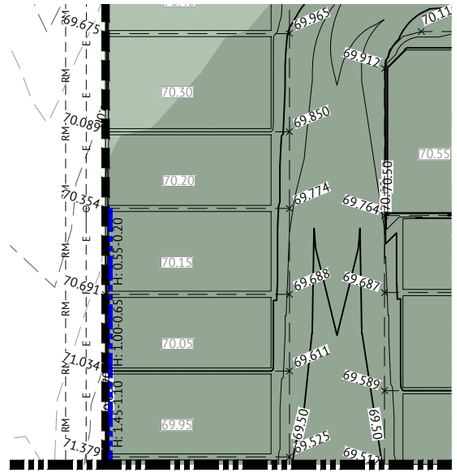
SCALE 1:500 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROADWORKS AND DRAINAGE LAYOUT - SHEET 2

JOB CODE MIR012-02
SHEET NUMBER C101
REV C





LEGEND - PROPOSED

- EXTENT OF CUT (EARTHWORKS UNDERTAKEN UNDER P12.1 CONTRACT)
- EXTENT OF FILL (EARTHWORKS UNDERTAKEN UNDER P12.1 CONTRACT)
- 12.0 — FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- 51.65 — FINISHED SURFACE LEVEL
- H1.0 — PROPOSED CONCRETE SLEEPER RETAINING WALL (AND HEIGHT). TIMBER TEXTURED SLEEPERS AND 2 COAT PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- H1.0 — PROPOSED CONCRETE PANEL RETAINING WALL (AND HEIGHT). 2 COAT TEXTURED PAINT. DESIGN SPECIFICATION BY MANUFACTURER
- PROPOSED MASONRY WALL TO ENERGEX STANDARDS
- FEATURE FENCE ON TOP OF RETAINING WALL BY LANDSCAPER
- 58.25 × — FOOTPATH SPOT LEVEL
- ZERO LOT LINE
- PROPOSED FUTURE DRIVEWAY LOCATION
- PMT — PAD MOUNTED TRANSFORMER
- VEGETATION CLEARING EXTENT
- STAGE BOUNDARY

LEGEND - EXISTING

- EXISTING RETAINING WALL
- 12.0 — EXISTING CONTOURS (0.50m)
- D — EXISTING STORMWATER
- S — EXISTING SEWER
- TS — EXISTING TRUNK SEWER
- RM — EXISTING SEWER RISING MAIN
- W — EXISTING WATER
- E — EXISTING ELECTRICITY
- T — EXISTING TELECOMMUNICATIONS
- G — EXISTING GAS
- EPBC EXCISION BOUNDARY

NOTES

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	C	AMENDED ROAD NAME AND ADDED VIEWPORT TO SHOW RETAINING WALL	KK	PB
08/09/2020	B	AMENDED NOTES	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS LAYOUT - SHEET 1 OF 2

JOB CODE MIR012-02
SHEET NUMBER C200
REV C

JOINS DRAWING C200

RUSSETT STREET
BOTANICA ROAD
MOSS STREET
KESSELS BOULEVARD
TUSCAN CIRCUIT
EDFIN LANE
ROAD 45

FUTURE PRECINCT 9.5
FUTURE PRECINCT 9.3
FUTURE PRECINCT 9.2
FUTURE PRECINCT 9.1
PRECINCT 12.2
EXISTING PRECINCT 12.3
EXISTING PRECINCT 12.3

PLAN SEALING EXCLUSION

2066 H: 1.100
2068 H: 1.100
2069 H: 1.200
2067 H: 0.500
H: 0.35-0.10
H: 0.70-0.60
H: 0.60-0.25
2071 H: 0.85-0.45
2166 H: 0.45-0.80
2072 H: 0.550
2165
2070 H: 1.500
2164 H: 0.500
2088 H: 1.000
2163 H: 0.600
2087 H: 3.000
2089 H: 0.600
2162 H: 0.550
2161 H: 0.750
2160 H: 0.600
2092
2091
2090

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	D	AMENDED ROAD NAMES	KK	PB
16/12/2020	C	AMENDED RETAINING WALLS	KK	PB
02/10/2020	B	AMENDED FOOTPATH AND KERB RAMPS ALIGNMENT, AND EARTHWORKS IN PEDESTRIAN LINK	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	PB

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DESIGNED K KIWANG
CHECKED M MAIZNER
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 GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS LAYOUT - SHEET 2 OF 2

JOB CODE MIR012-02
SHEET NUMBER C201
REV D

NOTES

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

TESTING

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

EARTHWORKS TESTING

1. COMPACTION TESTS

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

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

DUST

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

FILL MANAGEMENT

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

TOPSOIL RESPREAD REQUIREMENTS

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

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

TURF

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

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

TRENCH SPOIL

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

TRENCH BACKFILL

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

EXCAVATION IN ROCK

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

EVERLEIGH EARTHWORKS TOLERANCE TABLE

ITEM	TOLERANCE
EARTHWORKS IN ALLOTMENTS AND VERGES[a]	EWL or FSL +/- 50mm
CUT BATTERS (OTHER THAN IN LOTS)	EWL or FSL +/- 150mm[b]
FILL BATTERS (OTHER THAN IN LOTS)	EWL or FSL +/- 300mm[b]
EARTHWORKS IN PARKS	EWL or FSL +/- 50mm

[a] TOLERANCE IS -0mm / +50mm WHERE ADJACENT DRAINAGE ELEMENT.
[b] MEASURED FROM THE AVERAGE SLOPE PLANE.

TOLERANCE NOTES

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

DISPERSIVE SOILS MANAGEMENT NOTES

1. DISPERSIVE SOIL TREATMENT MEASURES IN THE FOLLOWING AREAS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE REQUIREMENTS OF THE EVERLEIGH DISPERSIVE SOIL MANAGEMENT:
   - WITHIN SERVICE TRENCHES
   - SURFACE AREAS SURROUNDING STORMWATER HEADWALLS
   - TURF/LANDSCAPED AREAS SUBJECT TO WATER FLOW
   - TURF/LANDSCAPED AREAS SUBJECT TO WATER PONDING
2. STABILISATION OF DISTURBED AREAS AND MANAGEMENT OF EROSION AND SEDIMENT SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS IN THIS DRAWING SET.
3. CONTRACTOR MUST CONSTRUCT AND ESTABLISH THE EROSION AND SEDIMENT CONTROL DEVICES, CONSTRUCTION WATER HOLDING DAM AND HES BASIN PRIOR TO COMMENCING EARTHWORKS OPERATION.
4. ALL DISTURBED AREAS SHALL BE STABILISED AS SOON AS PRACTICABLE (BUT NOT MORE THAN 10 DAYS) FOLLOWING FINALISATION OF LEVELS. STABILISATION TO BE IN ACCORDANCE WITH EROSION & SEDIMENT CONTROL - STABILISATION PHASE.

TOPSOIL AMELIORATION

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

A-GRADE QUALITY TOPSOIL AMELIORATION:

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

B-GRADE QUALITY TOPSOIL AMELIORATION:

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

ROCK TREATMENT IN ALLOTMENTS

WHERE ALLOTMENTS ARE LOCATED IN CUT, THE CONTRACTOR SHALL OVER-EXCAVATE A MINIMUM 500mm DEPTH BELOW DESIGN EARTHWORKS LEVEL (EWL), AND RECOMPACT IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION AND LEVEL ONE SUPERVISION.

ALL CUT LOTS WHICH ARE NOT LOCATED IN ROCK MUST ACHIEVE 100kPa BEARING CAPACITY. WHERE THIS CAN'T BE ACHIEVED, THE CONTRACTOR SHALL RECTIFY THE SUBGRADE IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION TO ACHIEVE A 100kPa BEARING CAPACITY.

ROCK TREATMENT IN VERGES

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

EARTHWORKS SPECIFICATION

SPECIFICATION	DEPTH RANGE (m)				PAVEMENT SUBGRADE	TRENCH BACKFILL
	0.0 - 0.6	0.6 - 3.00	3.00 - 5.00	> 5.00		
CBR %	-	-	-	-	10	15
LAYER THICKNESS (mm)	300	300	300	300	BETWEEN SUBGRADE AND 0.3m BELOW	300
MAXIMUM PARTICLE SIZE (mm)	200	500	500	500	200	200
% PASSING 37.5mm	80% MIN	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES	REFER NOTES AND KEY OUTCOMES
% PASSING 0.075mm	30% MIN	REFER NOTES	REFER NOTES	REFER NOTES	REFER NOTES	REFER NOTES AND AS3798
COMPACTION	95% STD	95% STD	95% STD	95% STD	100% STD	95% MOD IN ROADS AND 95% STD OUTSIDE ROADS
MOISTURE	+/- 2% OMC	+/- 2% OMC	+/- 2% OMC	+/- 2% OMC	60% - 90% OF OMC	+/- 2% OMC

NOTES:

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

KEY OUTCOMES FOR EARTHWORKS OPERATIONS

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
08/09/2020	B	AMENDED NOTES	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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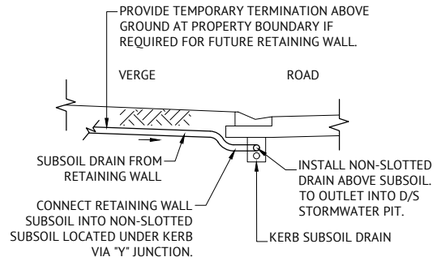
DESIGNED K KIWANG
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112
SCALE
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS NOTES AND DETAILS - SHEET 1 OF 2

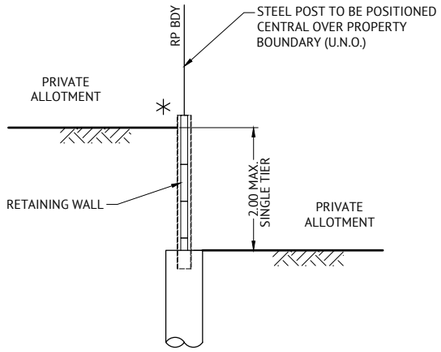
JOB CODE MIR012-02
SHEET NUMBER C210
REV B



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

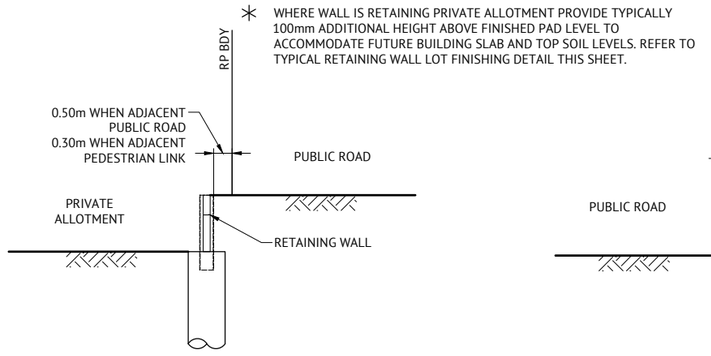
TYPICAL RETAINING WALL SUBSOIL OUTLET TO ROAD

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

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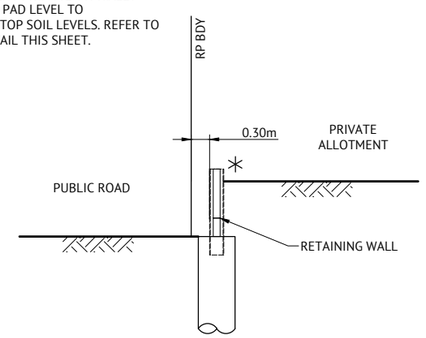

TYPICAL RETAINING WALL DETAIL ROAD ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER

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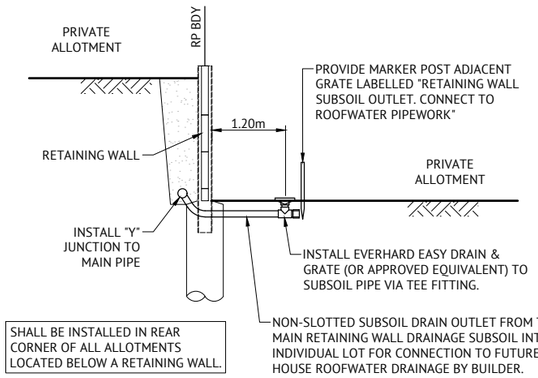
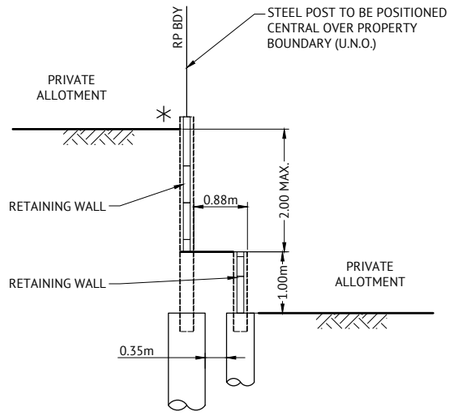


SHALL BE INSTALLED IN REAR CORNER OF ALL ALLOTMENTS LOCATED BELOW A RETAINING WALL.

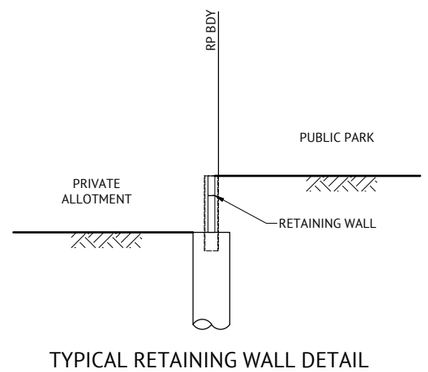
TYPICAL RETAINING WALL SUBSOIL OUTLET TO ALLOTMENTS

N.T.S.



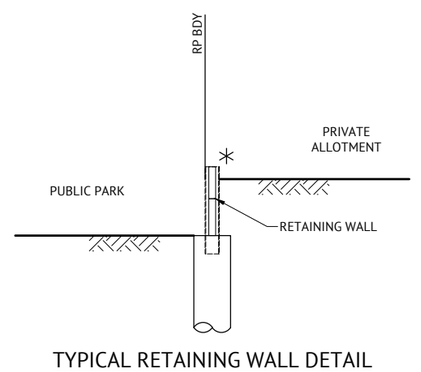
TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT 2m-3m MAX HIGH

N.T.S.



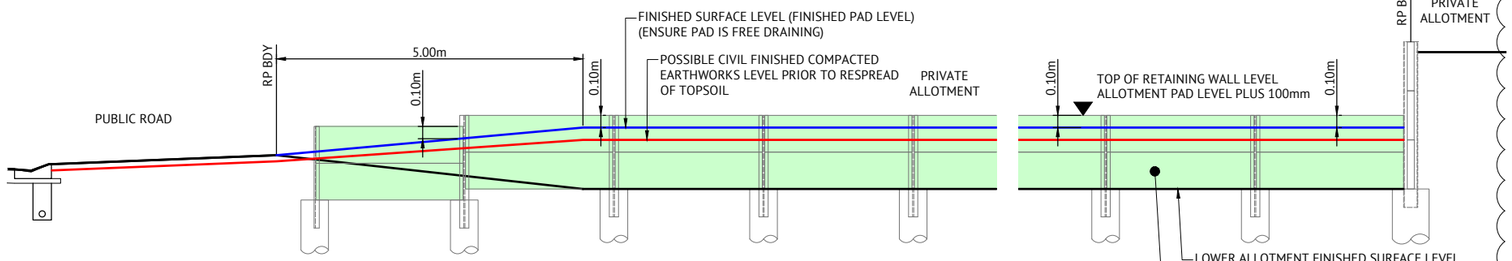
TYPICAL RETAINING WALL DETAIL PARK ADJACENT TO LOT WHERE PARK LEVEL IS HIGHER

N.T.S.



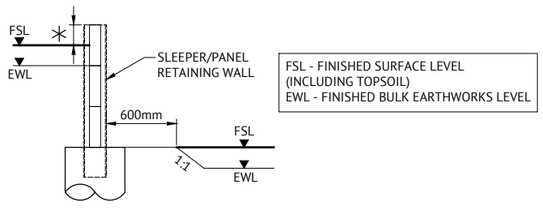
TYPICAL RETAINING WALL DETAIL PARK ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER

N.T.S.



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

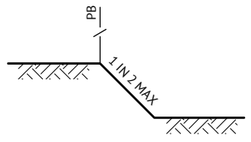
N.T.S



FSL - FINISHED SURFACE LEVEL (INCLUDING TOPSOIL)
EWL - FINISHED BULK EARTHWORKS LEVEL

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 WALL SUBSOIL DRAINAGE OUTLET DESIGN:

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

RETAINING WALL SHOP DRAWINGS

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

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

PROPERTY SERVICES UNDER RETAINING WALLS:

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

PAD MOUNTED TRANSFORMER NOTE

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

RETAINING WALL TYPE

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

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

FENCE BRACKETS

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

FOR CONSTRUCTION

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DESIGNED K KIWANG
CHECKED M MAIZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

SCALE NTS
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BULK EARTHWORKS NOTES AND DETAILS - SHEET 2 OF 2

JOB CODE MIR012-02
SHEET NUMBER C211
REV B

NOTES

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

ROADWORKS NOTES

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

CONCRETE PAVEMENT

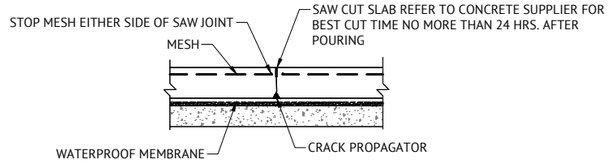
1. THE CONCRETE PAVEMENT HAS BEEN DESIGNED BASED ON A CBR 5 AND IS SUBJECT TO CONFIRMATION UPON RECEIPT OF CBR TEST RESULT AT TIME OF CONSTRUCTION.
2. CONCRETE PAVEMENT SPECIFICATION:

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

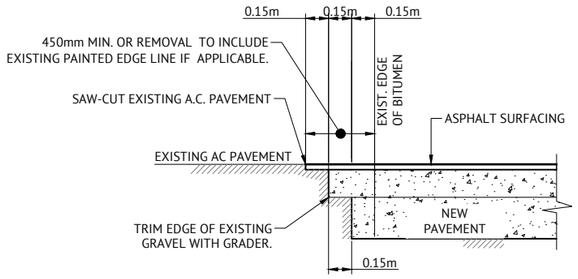
3. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH AS1379, AS3600 AND AS3610.
4. PROJECT ASSESSMENT OF STRENGTH IN ACCORDANCE WITH AS3600 SHALL BE ADOPTED FOR SAMPLING AND TESTING. THE CONTRACTOR SHALL PAY ALL TESTING COSTS.
5. CONSTRUCTION JOINTS SHALL BE MADE ONLY AT APPROVED LOCATIONS.
6. ALL JOINTS ARE TO BE SEALED JUST PRIOR TO HANDOVER WITH DOW CORNING '888' SEALANT INSTALLED IN ACCORDANCE WITH MANUFACTURING RECOMMENDATIONS.
7. JOINTS ARE TO BE INSPECTED AND SEALANT REGULARLY REPLACED IF REQUIRED.
8. 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.
9. CONCRETE PAVEMENTS ARE TO BE BROOM FINISHED. SLAB THICKNESSES NOTED ARE EXCLUSIVE OF APPLIED FINISHES
10. 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

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

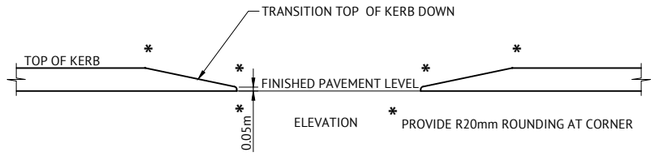


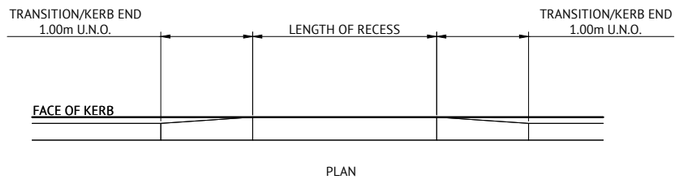
SAWCUT JOINT (S.J.)



TYPICAL PAVEMENT CUT-BACK DETAIL

N.T.S

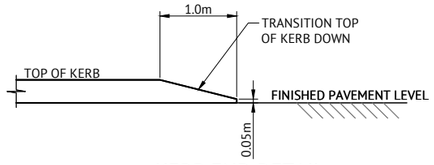




PLAN

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

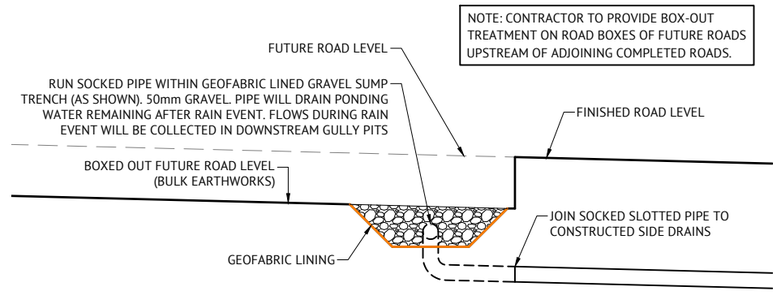
TYPICAL KERB RECESS / END DETAIL



KERB END DETAIL

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	



TYPICAL FUTURE ROADS BOX-OUT TREATMENT

SCALE 1:20

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
20/08/2020	A	APPROVAL ISSUE	MM	PB
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DESIGNED K KIWANG
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

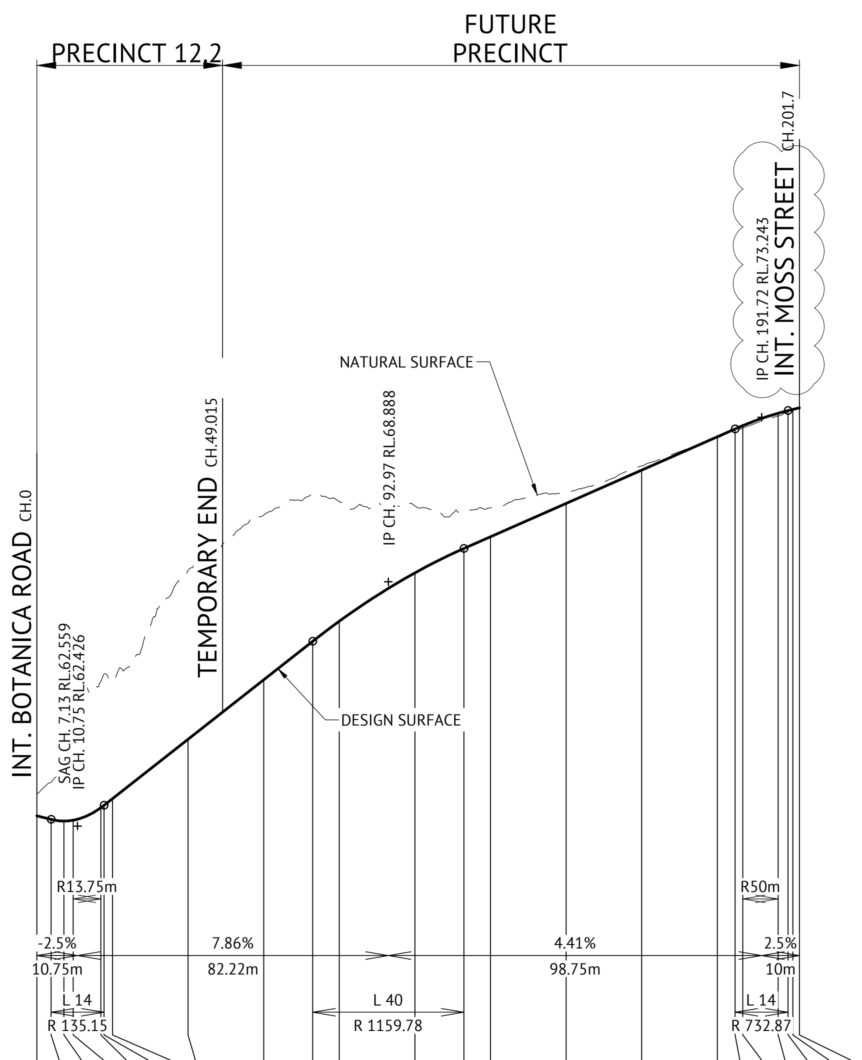
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROADWORKS NOTES AND DETAILS

JOB CODE MIR012-02
SHEET NUMBER C300
REV A

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	RUSSETT STREET
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



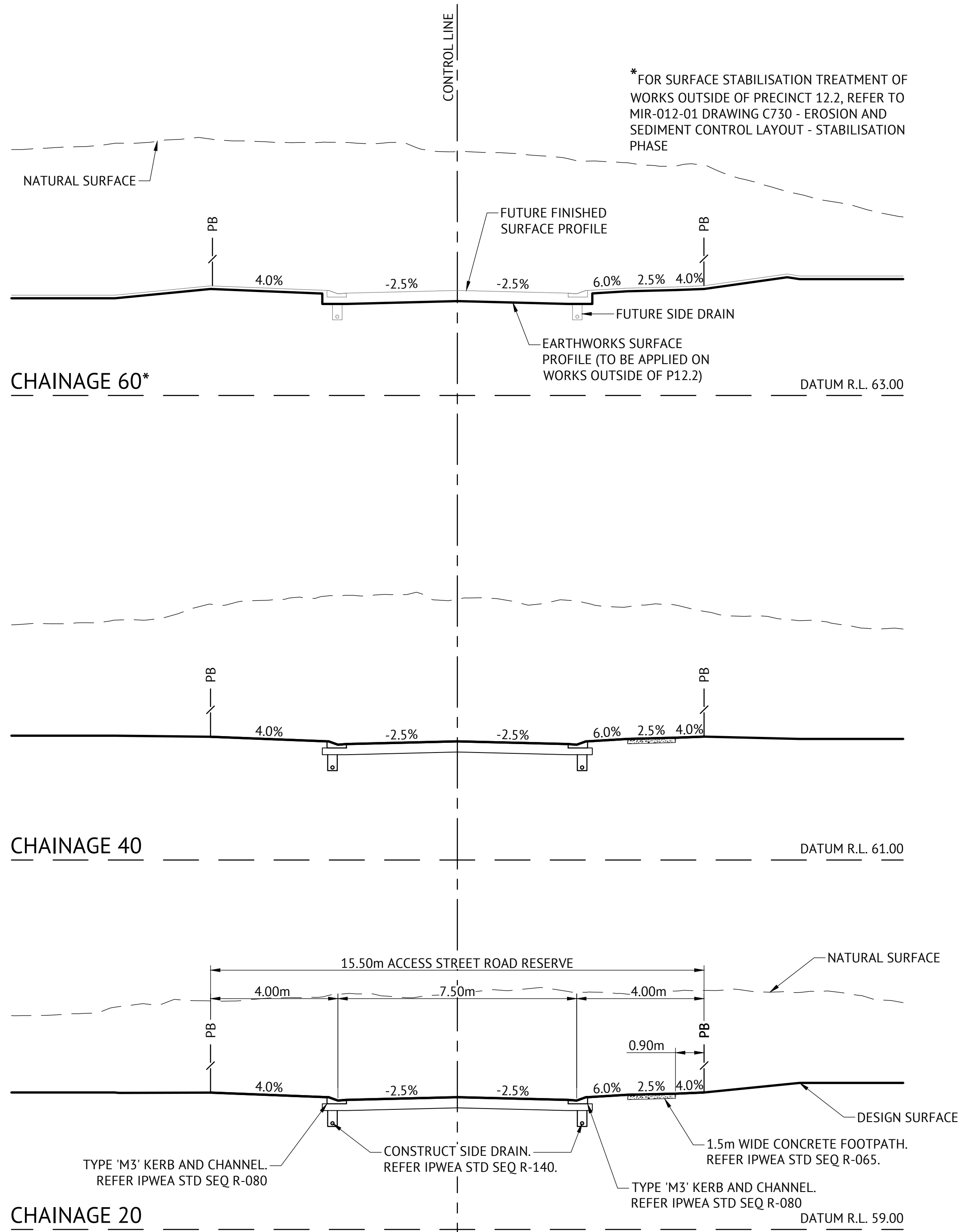
CUT (-)/FILL DEPTH	-0.586	-0.986	-1.661	-2.358	-3.332	-3.472	-3.211	-4.463	-4.356	-3.904	-3.159	-1.773	-0.967
LHS LIP LEVEL			✳		62.825	62.889	63.066	64.638	66.209	67.229	67.760	69.038	69.683
RHS LIP LEVEL			✳			62.889	63.066	64.638	66.209	67.229	67.760	69.038	69.683
DESIGN SURFACE	62.695	62.601	62.559	62.581	62.912	62.976	63.153	64.725	66.296	67.316	67.847	69.125	69.770
NATURAL SURFACE	63.281	63.587	64.220	64.938	66.244	66.448	66.364	69.188	70.652	71.219	71.006	70.898	70.737
CHAINAGE	0.00	3.75	7.13	9.58	16.90	17.75	20.00	40.00	60.00	72.97	80.00	100.00	112.97

CUT (-)/FILL DEPTH	-0.768	-0.316	-0.113	0.024	0.057	0.063	0.070	0.032	0.012	0.000
LHS LIP LEVEL	69.993	70.875	71.757	72.639	72.847	72.932				
RHS LIP LEVEL	69.993	70.875	71.757	72.639	72.847					
DESIGN SURFACE	70.080	70.962	71.844	72.726	72.934	73.019	73.348	73.418	73.450	73.493
NATURAL SURFACE	70.848	71.278	71.956	72.702	72.877	72.957	73.277	73.386	73.438	73.493
CHAINAGE	120.00	140.00	160.00	180.00	184.72	186.72	196.10	198.72	200.00	201.72

RUSSETT STREET LONGITUDINAL SECTION

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

*FOR SURFACE STABILISATION TREATMENT OF WORKS OUTSIDE OF PRECINCT 12.2, REFER TO MIR-012-01 DRAWING C730 - EROSION AND SEDIMENT CONTROL LAYOUT - STABILISATION PHASE



RUSSETT STREET LONGITUDINAL SECTION

SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	B	AMENDED ROAD NAMES	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

REVISIONS

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 M MAJZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: RUSSETT STREET LONG & CROSS SECTIONS

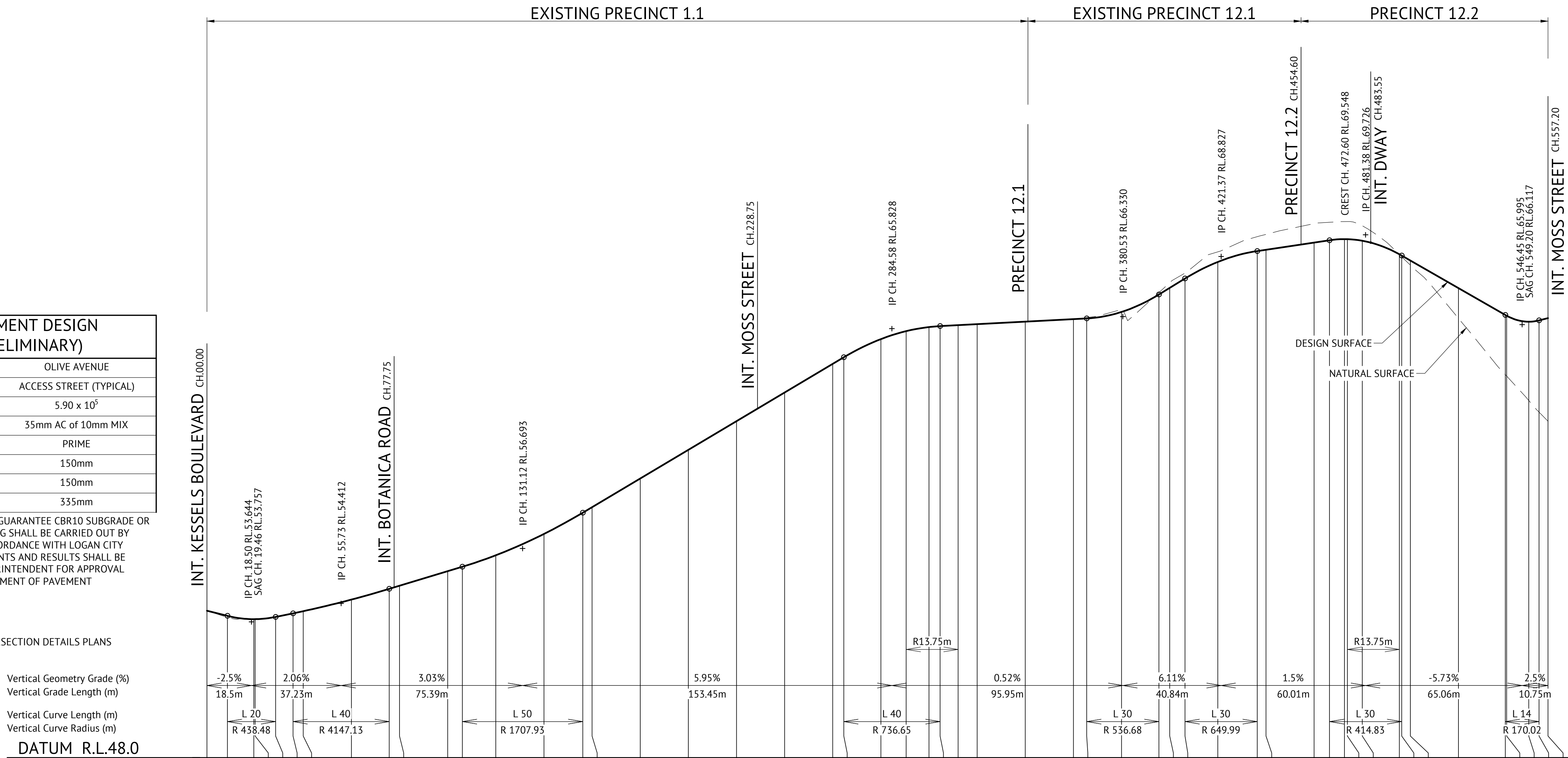
JOB CODE: MIR012-02
SHEET NUMBER: C310
REV: B

PAVEMENT DESIGN (PRELIMINARY)

ROADS	-	OLIVE AVENUE
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90×10^5
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

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

* REFER TO INTERSECTION DETAILS PLANS



CHAINAGE	CUT (-)/FILL DEPTH	LHS LIP LEVEL	RHS LIP LEVEL	DESIGN SURFACE	NATURAL SURFACE
0.00	0.000			54.107	54.107
8.50	0.063			53.894	53.831
19.46	0.000	53.700	53.695	53.757	53.757
20.00	0.000	53.700	53.696	53.758	53.758
28.50	0.000	53.793	53.788	53.850	53.850
35.73	0.000	53.942	53.937	53.999	53.999
40.00	0.000	54.032	54.028	54.090	54.090
60.00	0.000	54.513	54.509	54.571	54.571
75.73	0.000	54.959	54.955	55.017	55.017
80.00	0.000	55.088	55.084	55.146	55.146
100.00	0.000	55.694	55.689	55.751	55.751
106.12	0.000	55.879	55.874	55.936	55.936
120.00	0.000	56.355	56.351	56.413	56.413
140.00	0.000	57.240	57.235	57.297	57.297
156.12	0.000	58.124	58.119	58.181	58.181
160.00	0.000	58.354	58.350	58.412	58.412
180.00	0.000	59.545	59.540	59.602	59.602
200.00	0.000	60.736	60.731	60.793	60.793
220.00	0.000	61.926	61.922	61.984	61.984
240.00	0.000	63.117	63.112	63.174	63.174
260.00	0.000	64.308	64.303	64.365	64.365
264.58	0.000	64.580	64.576	64.638	64.638
280.00	0.000	65.337	65.332	65.394	65.394
290.50	-0.000	65.667	65.663	65.725	65.725
300.00	-0.000	65.824	65.822	65.895	65.895
304.58	-0.000	65.856	65.855	65.933	65.933
312.10	-0.000	65.885		65.972	65.972
320.00	-0.000	65.927	65.927	66.014	66.014
340.00	-0.000	66.031	66.031	66.118	66.118
360.00	-0.000	66.136	66.136	66.223	66.223
365.53	-0.037	66.165	66.165	66.252	66.289
380.00	-0.105	66.436	66.436	66.523	66.627
395.53	-0.081	67.160	67.160	67.247	67.329
400.00	-0.216	67.434	67.434	67.521	67.737
406.37	-0.228	67.823	67.823	67.910	68.138
420.00	-0.418	68.513	68.513	68.600	69.019
436.37	-0.597	68.965	68.965	69.052	69.649
440.00	-0.639	69.019	69.019	69.106	69.745
460.00	-0.786	69.319	69.319	69.406	70.191
466.38	-0.745	69.414	69.414	69.501	70.246
472.60	-0.728	69.461	69.461	69.548	70.276
473.85	-0.732	69.459	69.459	69.546	70.278
480.00	-0.622	69.395	69.395	69.482	70.104
495.45	0.012	68.831	68.831	68.918	68.906
496.38	0.049	68.779	68.779	68.866	68.817
500.00	0.189	68.571	68.571	68.658	68.469
520.00	1.258	67.425	67.425	67.512	66.254
539.45	2.480	66.309	66.309	66.396	63.917
540.00	2.509	66.279	66.279	66.366	63.857
549.20	3.274	*	*	66.117	62.843
553.45	3.807			66.170	62.363
557.20	4.284			66.264	61.980

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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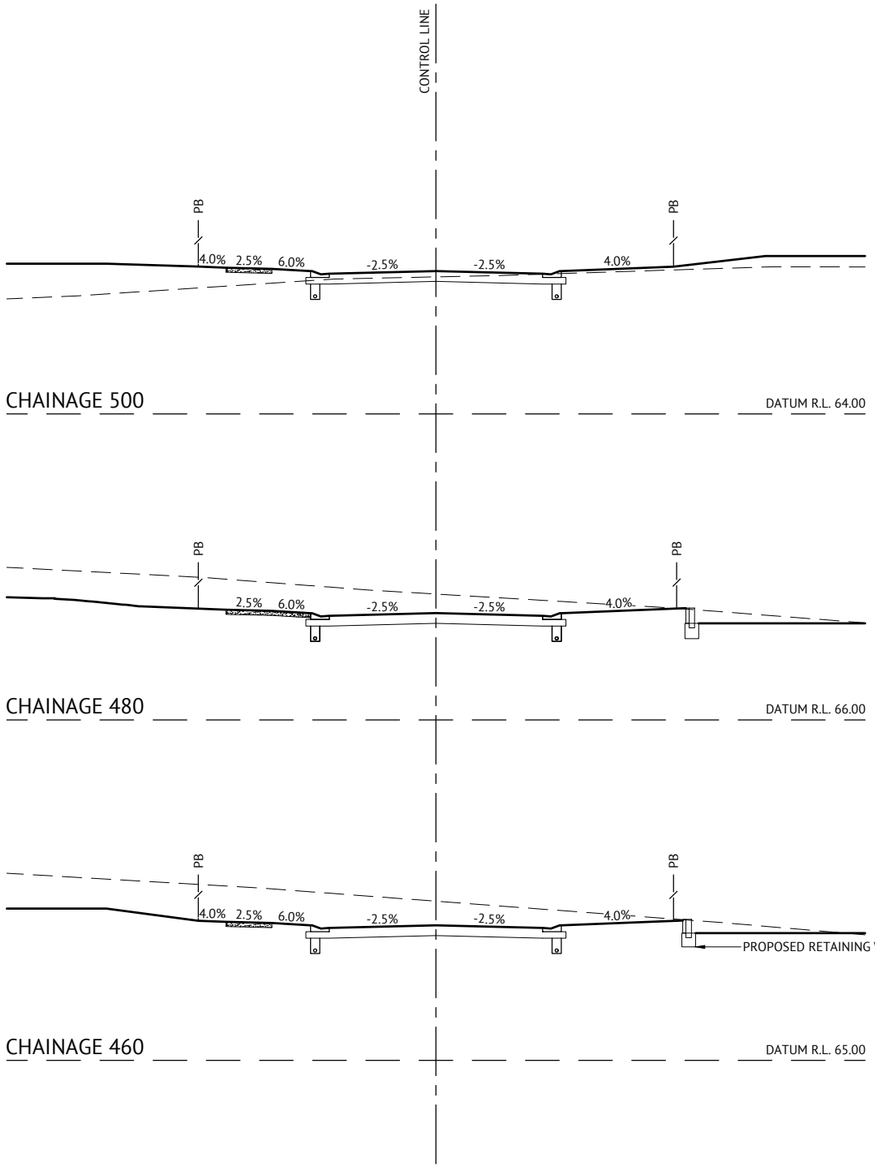
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE OLIVE AVENUE LONGITUDINAL SECTION

JOB CODE MIR012-02
SHEET NUMBER C311
REV A



FOR CONSTRUCTION

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

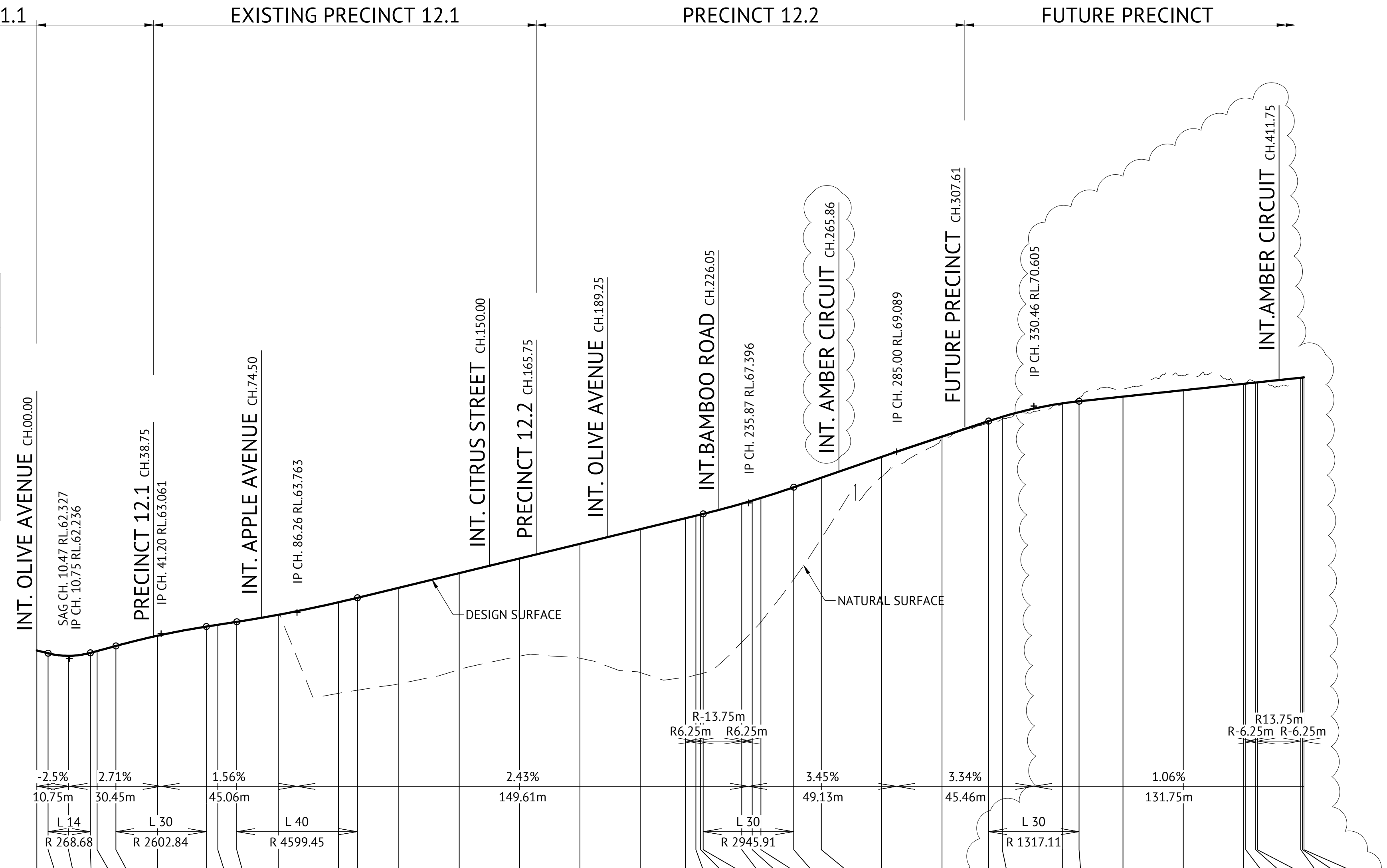
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE OLIVE AVENUE CROSS SECTIONS

JOB CODE MIR012-02
SHEET NUMBER C312
REV A

PAVEMENT DESIGN (PRELIMINARY)

ROADS	-	MOSS STREET
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90×10^5
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

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



✳ 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

CHAINAGE	0.00	3.75	10.47	17.75	20.00	26.20	40.00	56.20	60.00	66.26	80.00	100.00	106.26	120.00
CUT (-)/FILL DEPTH	0.000	-0.029	0.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.016	3.019	3.061	3.184
LHS LIP LEVEL				62.339	62.400	62.568	62.905	63.208	63.267	63.365	63.599	64.014	64.162	64.496
RHS LIP LEVEL				62.339	62.400	62.568	62.905	63.208	63.267	63.365		64.014	64.162	64.496
DESIGN SURFACE	62.505	62.411	62.327	62.426	62.487	62.655	62.992	63.295	63.354	63.452	63.686	64.101	64.249	64.583
NATURAL SURFACE	62.505	62.440	62.263	62.426	62.487	62.655	62.992	63.295	63.354	63.452	63.702	61.083	61.188	61.398

CHAINAGE	140.00	160.00	180.00	200.00	215.00	218.45	220.00	220.87	233.66	237.11	240.00	250.87	260.00	280.00
CUT (-)/FILL DEPTH	3.197	3.238	3.792	4.754	5.272	5.280	5.285	5.283	4.592	4.332	4.113	3.049	2.013	0.651
LHS LIP LEVEL	64.981	65.467	✳		66.802	66.886	66.923	66.944	67.283	67.384	67.471	67.826	✳	68.830
RHS LIP LEVEL			65.952	66.438			✳					67.826	68.140	68.830
DESIGN SURFACE	65.068	65.554	66.039	66.525	66.889	66.973	67.010	67.031	67.370	67.471	67.558	67.913	68.227	68.917
NATURAL SURFACE	61.871	62.315	62.247	61.771	61.617	61.693	61.726	61.749	62.778	63.139	63.445	64.864	66.214	68.265

CHAINAGE	300.00	315.46	320.00	340.00	345.46	360.00	380.00	400.00	400.69	403.96	404.54	418.94	419.52	420.00
CUT (-)/FILL DEPTH	0.010	0.110	0.060	-0.001	-0.120	-0.251	-0.486	-0.030	-0.012	-0.045	-0.016	0.010	-0.002	-0.024
LHS LIP LEVEL	69.502	70.018	70.162	70.608	70.677	70.831	71.043	71.255	71.262	71.296	71.303	71.455	71.461	71.466
RHS LIP LEVEL	69.502	70.018	70.162	70.608	70.677	70.831	71.043	71.255	71.262	71.296	71.303	71.455	71.461	71.466
DESIGN SURFACE	69.589	70.105	70.249	70.695	70.764	70.918	71.130	71.342	71.349	71.383	71.390	71.542	71.548	71.553
NATURAL SURFACE	69.579	69.995	70.189	70.696	70.885	71.169	71.616	71.372	71.361	71.429	71.406	71.532	71.550	71.577

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	B	AMENDED ROAD NAMES AND FINISHED SURFACE LEVELS	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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Premise
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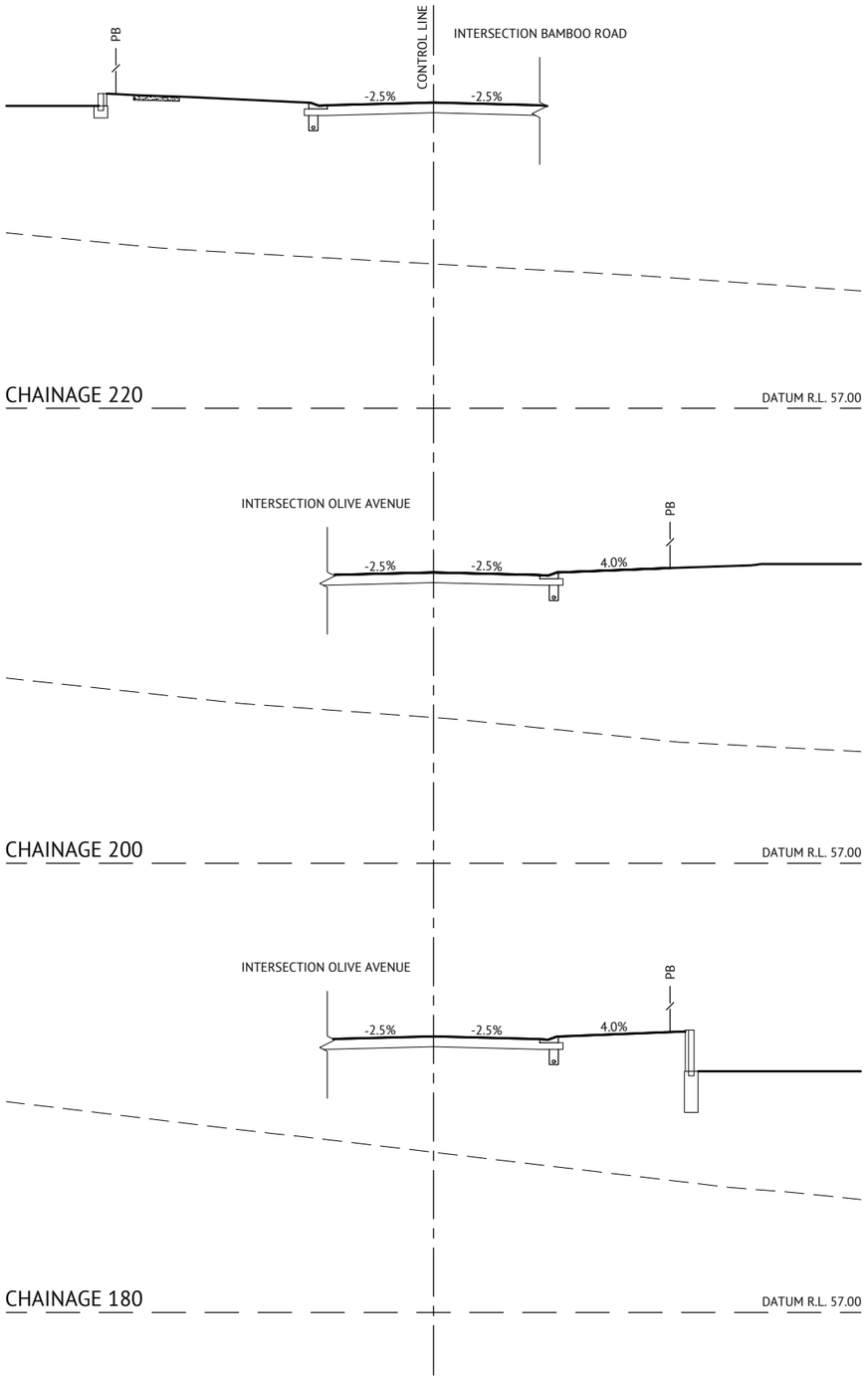
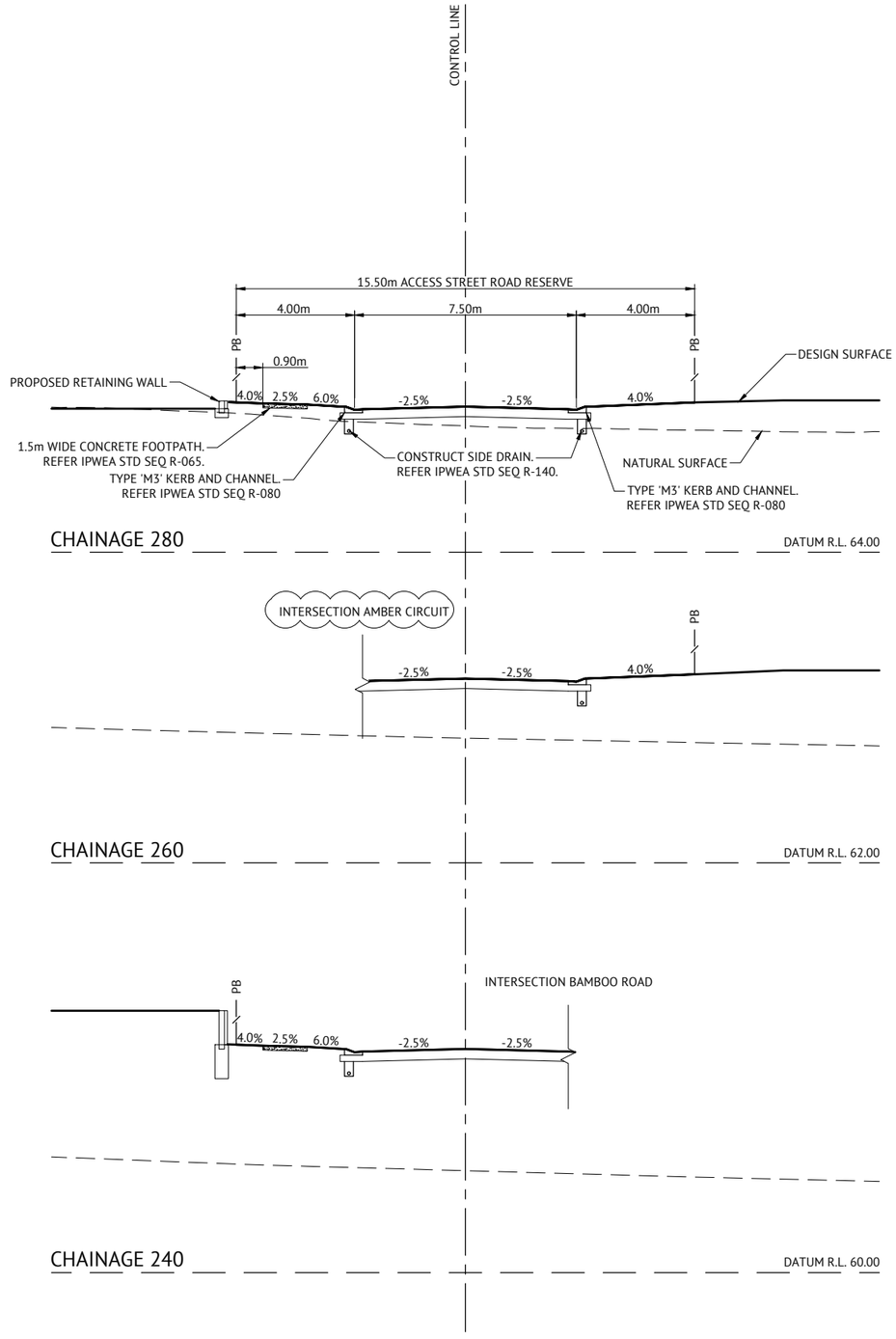
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE MOSS STREET LONGITUDINAL SECTION

JOB CODE MIR012-02
SHEET NUMBER C313
REV B





FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	B	AMENDED ROAD NAME	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
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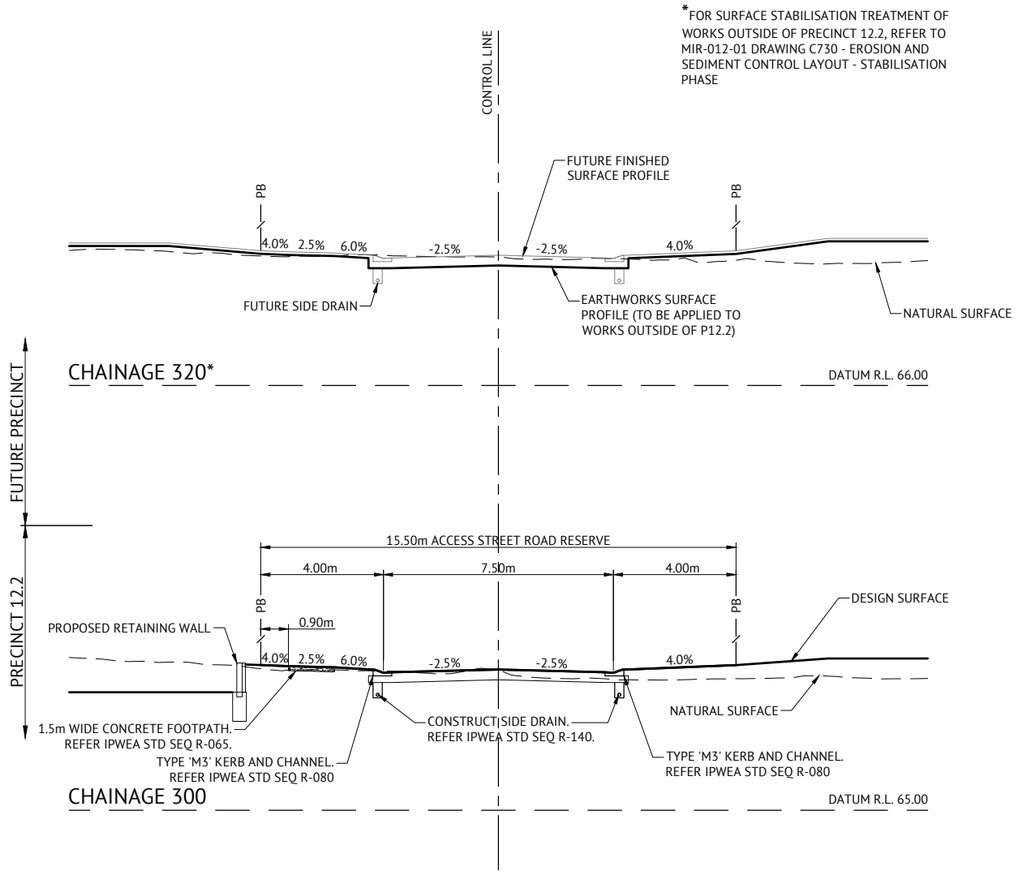
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE MOSS STREET CROSS SECTIONS - SHEET 1 OF 2

JOB CODE MIR012-02
SHEET NUMBER C314
REV B



FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
20/08/2020	A	APPROVAL ISSUE	MM	PB
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DESIGNED K KIWANG
CHECKED M MAIZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE MOSS STREET CROSS SECTIONS - SHEET 2 OF 2

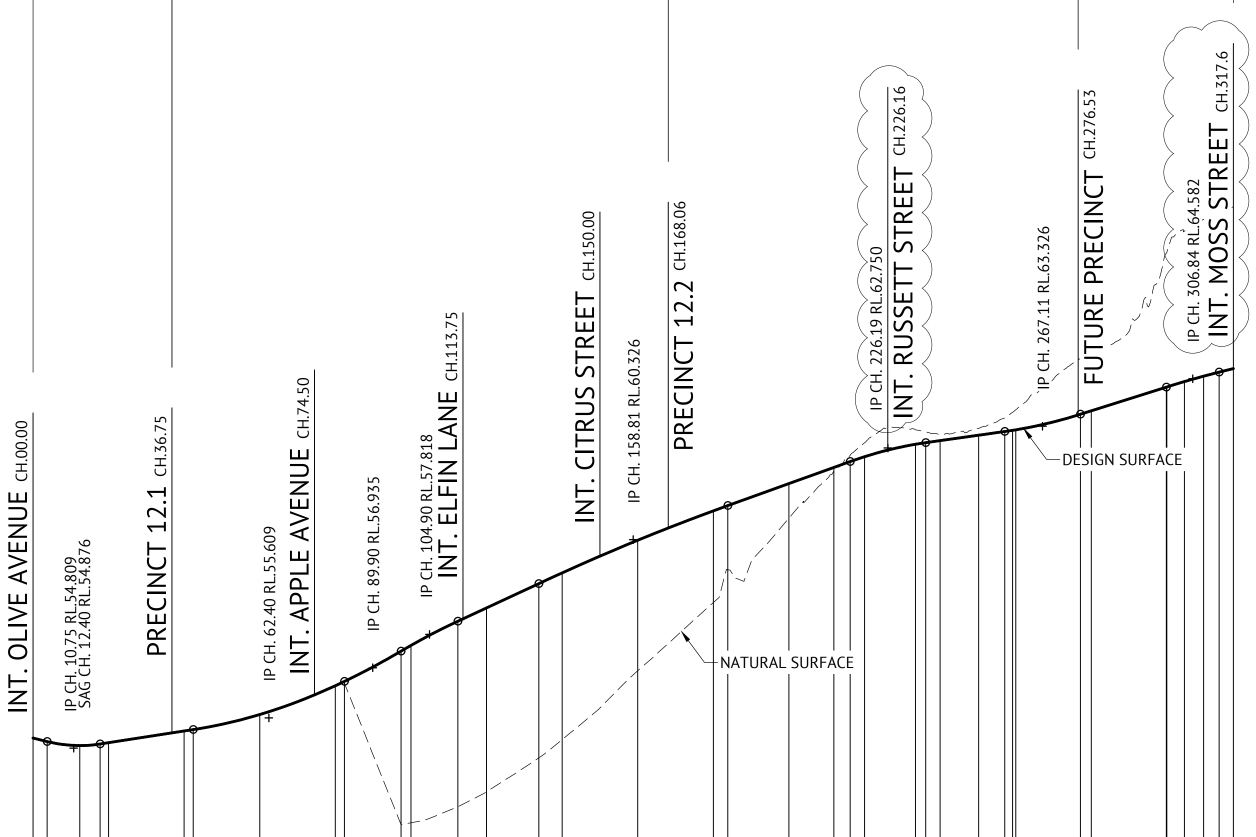
JOB CODE MIR012-02
SHEET NUMBER C315
REV A

EXISTING PRECINCT 1.1 | EXISTING PRECINCT 12.1 | PRECINCT 12.2 | FUTURE PRECINCT 9.2

PAVEMENT DESIGN (PRELIMINARY)

ROADS	-	BOTANICA ROAD
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: R13.75m; R-13.75m; R13.75m

Vertical Geometry Grade (%) / Vertical Grade Length (m): -2.5% 10.75m; 1.55% 51.65m; 4.82% 27.5m; 5.89% 15m; 4.65% 53.92m; 3.6% 67.38m; 1.41% 40.91m; 3.16% 39.73m; 2.5% 10.75m

Vertical Curve Length (m) / Vertical Curve Radius (m): L 14 R 345.86; L 40 R 1220.95; L 15 R 1409.79; L 15 R 1212.33; L 50 R 4749.29; L 20 R 913; L 20 R 1140.09; L 14 R 2116.18

DATUM R.L.47.0

CHAINAGE	CUT (-)/FILL DEPTH	LHS LIP LEVEL	RHS LIP LEVEL	DESIGN SURFACE	NATURAL SURFACE
0.00	0.000			55.078	55.078
3.75	-0.000			54.984	54.984
12.40	-0.000			54.876	54.876
17.75	0.000	54.830	54.830	54.917	54.917
20.00	0.000	54.865	54.865	54.952	54.952
40.00	0.000	55.175	55.175	55.262	55.262
42.40	0.000	55.212	55.212	55.299	55.299
60.00	0.000	55.611	55.611	55.698	55.698
80.00	0.000		56.373	56.460	56.460
82.40	0.044	56.486	56.486	56.573	56.529
97.40	4.595	57.290	57.290	57.377	52.782
100.00	4.693	57.440	57.440	57.527	52.834
112.40	4.910	58.080		58.167	53.257
120.00	4.864	58.434		58.521	53.656
133.81	4.612	59.076	59.076	59.163	54.551
140.00	4.412	59.360	59.360	59.447	55.035
160.00	3.454		60.222	60.309	56.854
180.00	2.426	61.000	61.000	61.087	58.661
183.81	1.694	61.138	61.138	61.225	59.532
200.00	0.912	61.721	61.721	61.808	60.895
211.89	0.098	62.148	62.148	62.235	62.138
216.19	-0.169	62.303	62.303	62.390	62.559
220.00	-0.369	✳	62.432	62.519	62.888
233.49	-0.386		62.762	62.849	63.234
236.19	-0.295	62.804	62.804	62.891	63.186
240.00	-0.163	62.857	62.857	62.944	63.107
250.19	-0.179	63.001	63.001	63.088	63.267
257.11	-0.356	63.098	63.098	63.185	63.541
259.19	-0.480	63.129	63.129	63.216	63.696
260.00	-0.531	63.143	63.143	63.230	63.760
277.11	-1.476	63.555	63.555	63.642	65.118
280.00	-1.485	63.646	63.646	63.733	65.219
299.84	-3.543	64.274	64.274	64.361	67.904
300.00	-3.566	64.279	64.279	64.366	67.932
304.65	-3.980			64.507	68.487
309.71	-4.149			64.650	68.799
313.84	-4.225			64.757	68.982
317.59	-4.278			64.851	69.129

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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20/08/2020	A	APPROVAL ISSUE	MM	PB
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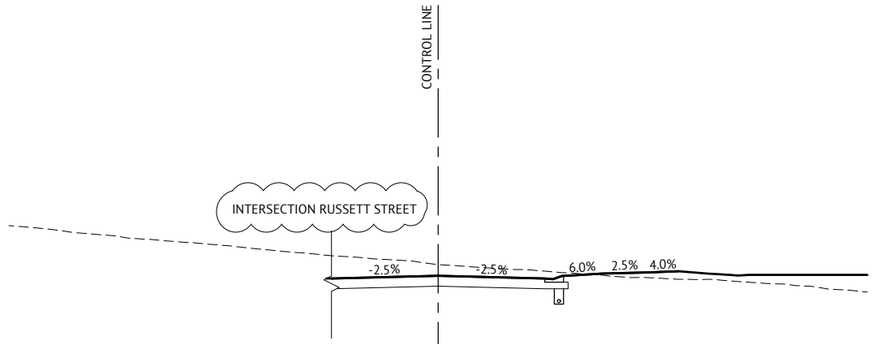
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

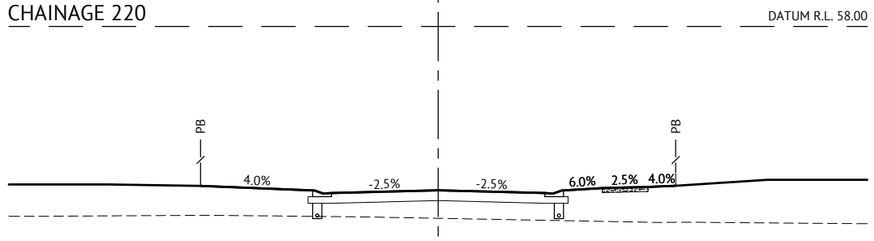
SCALE: HORIZONTAL 1:1000 (A1) 0 20 40 60m; VERTICAL 1:100 (A1) 0 2 4 6m
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: BOTANICA ROAD LONGITUDINAL SECTION

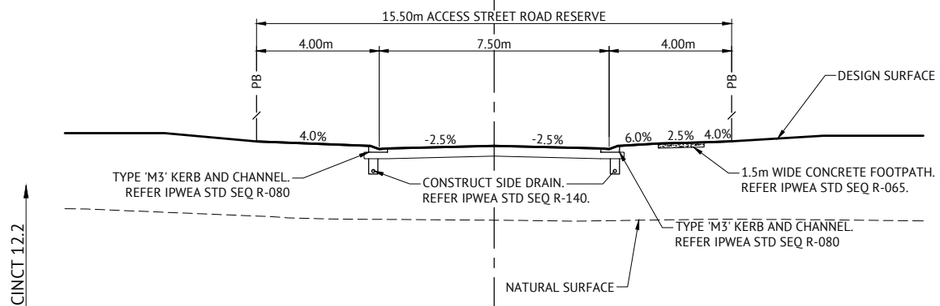
JOB CODE: MIR012-02
SHEET NUMBER: C316
REV: B



CHAINAGE 220 DATUM R.L. 58.00

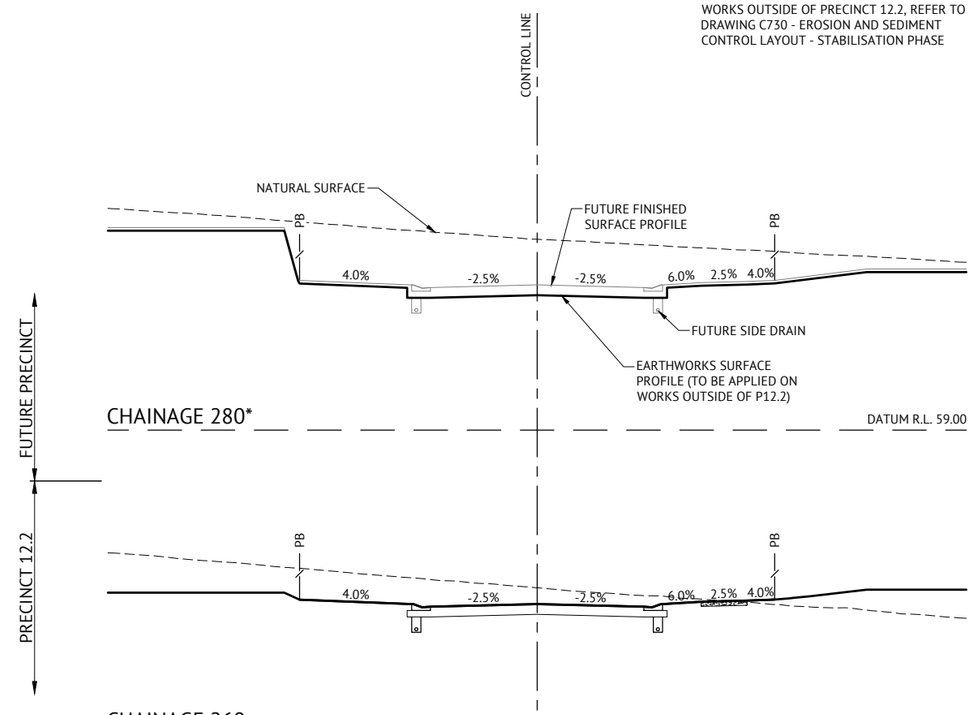


CHAINAGE 200 DATUM R.L. 57.00



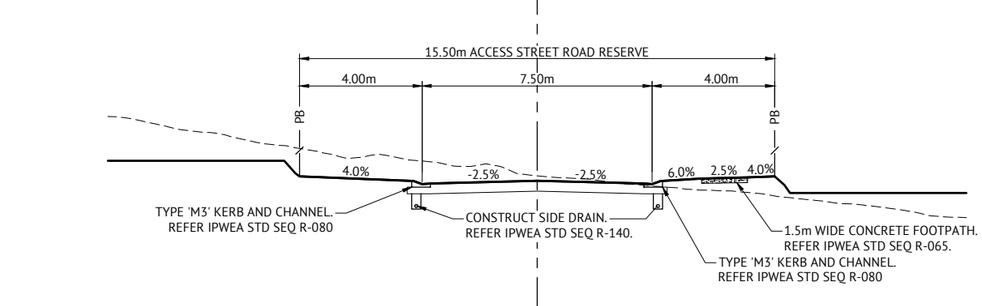
CHAINAGE 180 DATUM R.L. 55.00

*FOR SURFACE STABILISATION TREATMENT OF WORKS OUTSIDE OF PRECINCT 12.2, REFER TO DRAWING C730 - EROSION AND SEDIMENT CONTROL LAYOUT - STABILISATION PHASE



CHAINAGE 280* DATUM R.L. 59.00

CHAINAGE 260 DATUM R.L. 59.00



CHAINAGE 240 DATUM R.L. 58.00

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	B	AMENDED ROAD NAME	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

REVISIONS

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 M MAIZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

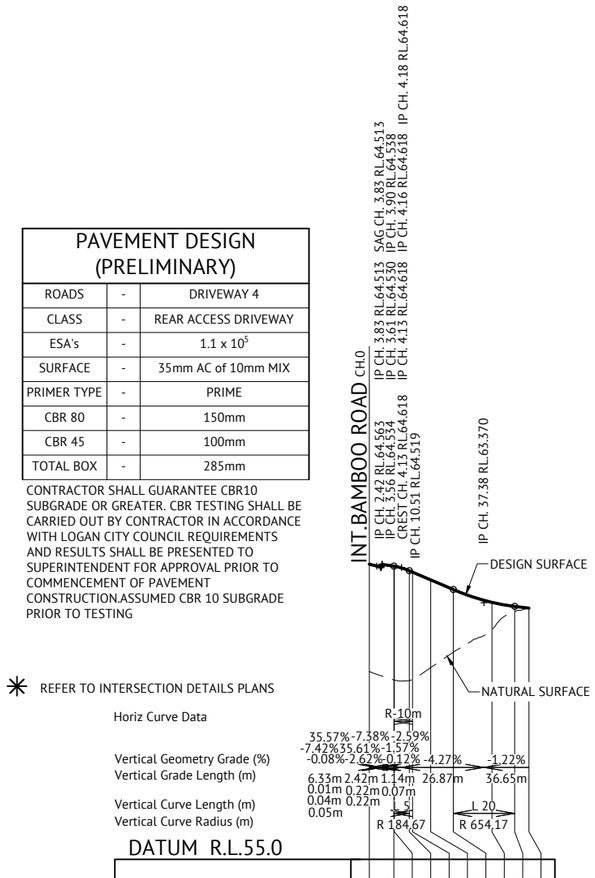
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BOTANICA ROAD CROSS SECTIONS

JOB CODE MIR012-02
SHEET NUMBER C317
REV B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	DRIVEWAY 4
CLASS	-	REAR ACCESS DRIVEWAY
ESA's	-	1.1×10^5
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)

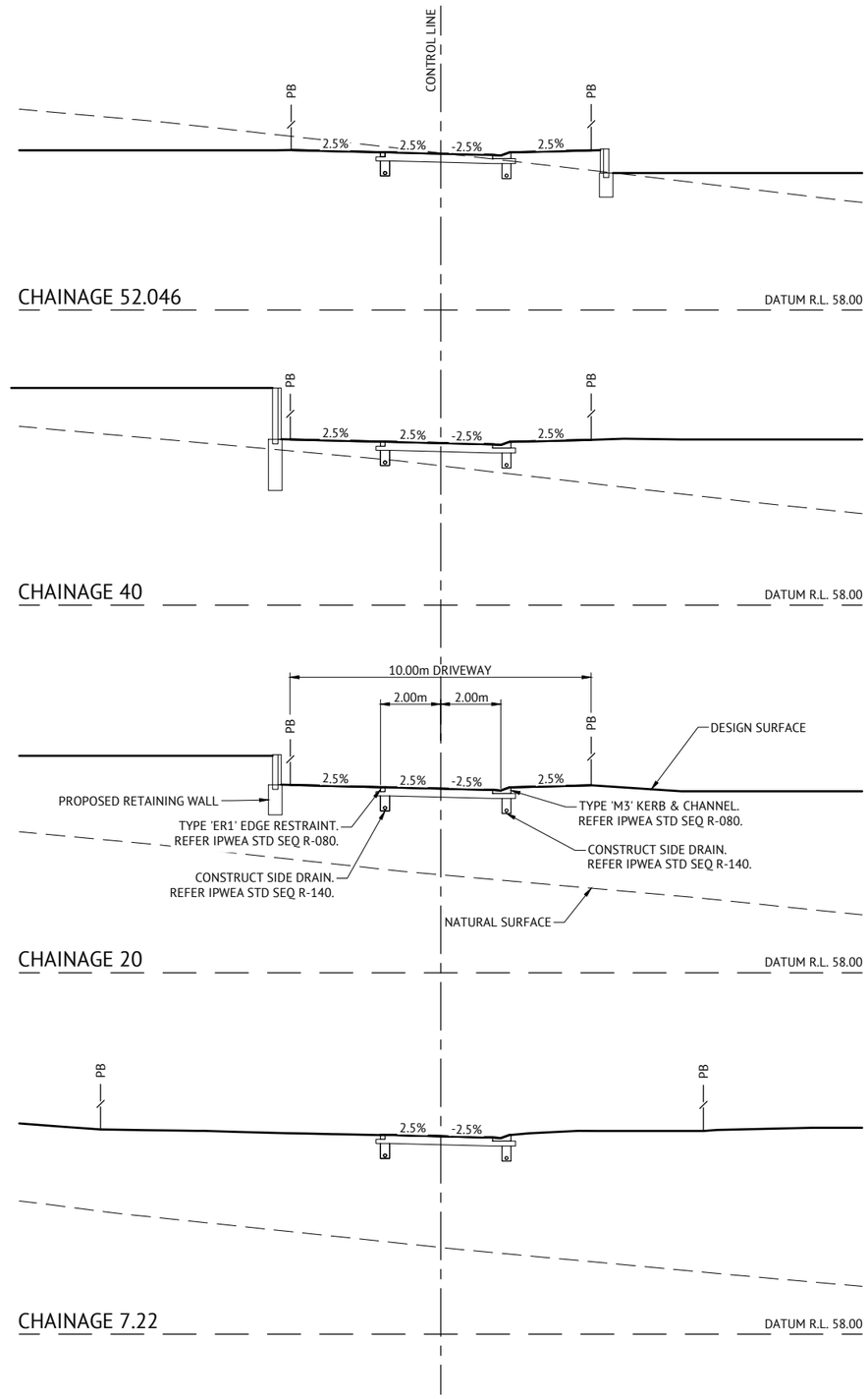
Vertical Curve Length (m)
Vertical Curve Radius (m)

DATUM R.L.55.0

CUT (-)/FILL DEPTH	3.502	3.708	3.710	3.581	3.503	2.861	2.039	0.905	0.162	0.004		
LHS LIP LEVEL	✳	64.604	64.602	64.458	64.412	64.159	63.844	63.426	63.295	63.238		
RHS LIP LEVEL	✳	64.515	64.512	64.369	64.322	64.070	63.754	63.337	63.205	63.149		
DESIGN SURFACE	64.627	64.558	64.555	64.412	64.365	64.113	63.798	63.380	63.248	63.192		
NATURAL SURFACE	61.125	60.850	60.845	60.831	60.862	61.252	61.758	62.475	63.087	63.188		
CHAINAGE	0.00	8.01	8.17	13.01	14.10	20.00	27.38	40.00	47.38	52.05		

DRIVEWAY 4 LONGITUDINAL SECTION

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



DRIVEWAY 4 LONGITUDINAL SECTION

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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CHECKED M MAIZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

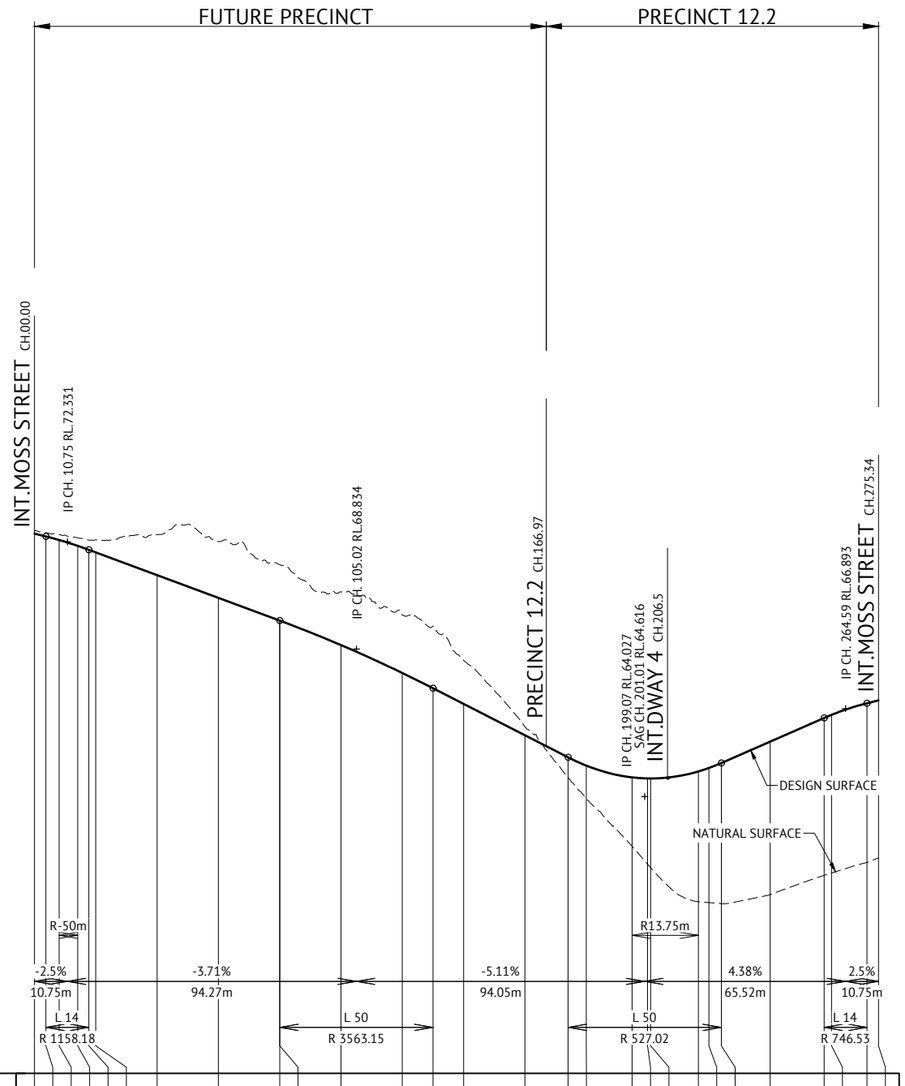
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE DWAY 4 LONG & CROSS SECTIONS

JOB CODE MIR012-02
SHEET NUMBER C318
REV A

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

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

✳ REFER TO INTERSECTION DETAILS PLANS



DATUM R.L.55.0

CHAINAGE	0.00	3.75	8.06	14.11	17.75	20.00	40.00	60.00	80.00	80.02	100.00	120.00	130.02	140.00	160.00	174.07	180.00	194.97	200.00	201.01	216.57	220.00	224.07	240.00	257.59	260.00	271.59	275.34
CUT (-)/FILL DEPTH	-0.102	-0.122	-0.178	-0.264	-0.316	-0.406	-1.322	-1.832	-1.831	-1.831	-1.738	-1.889	-2.027	-1.423	-0.279	0.650	1.072	2.247	2.796	2.911	4.247	4.387	4.582	4.988	5.132	5.157	5.187	5.133
LHS LIP LEVEL					71.984	71.901	71.159	70.417	69.675	69.675	68.878	67.968	67.469	66.959	65.937	65.218	64.948	64.564	64.530	64.529	64.759	64.871	65.034	65.731	66.500	66.602	✳	
RHS LIP LEVEL				72.113	71.984	71.901	71.159	70.417	69.675	69.675	68.878	67.968	67.469	66.959	65.937	65.218	64.948	64.564	64.530	64.529	64.759	64.871	65.034	65.731	66.500	66.602	✳	
DESIGN SURFACE	72.600	72.506	72.390	72.200	72.071	71.988	71.246	70.504	69.762	69.762	68.965	68.055	67.556	67.046	66.024	65.305	65.035	64.651	64.617	64.616	64.846	64.958	65.121	65.818	66.587	66.689	67.068	67.162
NATURAL SURFACE	72.702	72.628	72.568	72.464	72.387	72.394	72.568	72.336	71.593	71.593	70.703	69.944	69.583	68.470	66.303	64.654	63.963	62.404	61.821	61.705	60.598	60.571	60.539	60.829	61.455	61.532	61.881	62.029

FOR CONSTRUCTION

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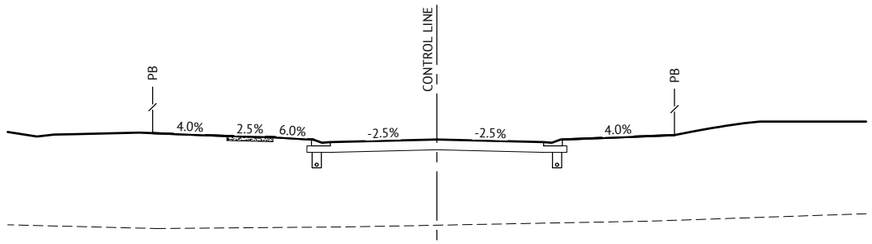
DESIGNED K KIWANG
CHECKED M MAIZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

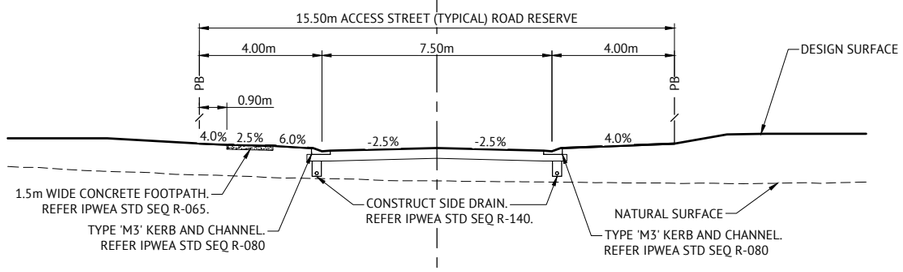
SCALE
HORIZONTAL 1:1000 (A1)
0 20 40 60m
VERTICAL 1:100 (A1)
0 2 4 6m
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BAMBOO ROAD LONGITUDINAL SECTION

JOB CODE MIR012-02
SHEET NUMBER C319
REV A



CHAINAGE 200 — DATUM R.L. 58.00

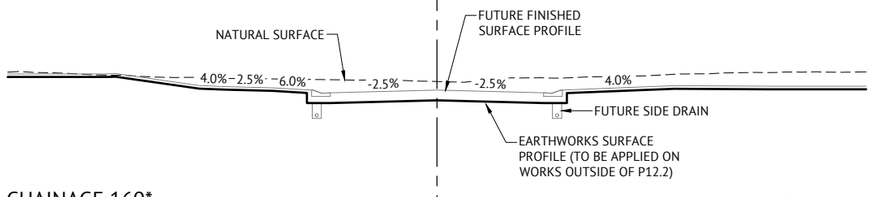


CHAINAGE 180 — DATUM R.L. 60.00

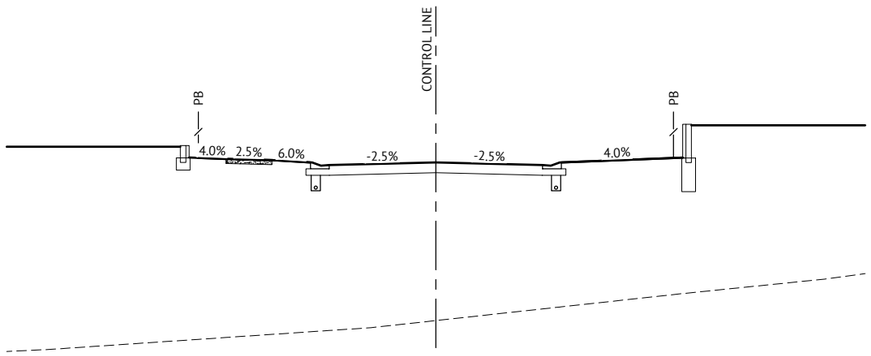
PRECINCT 12.2

FUTURE PRECINCT

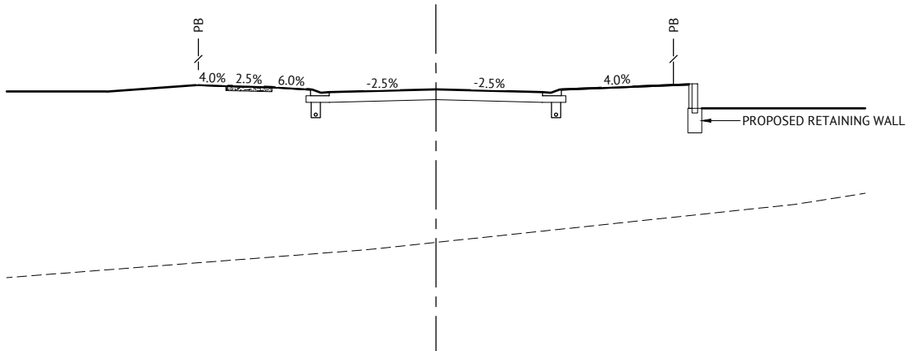
*FOR SURFACE STABILISATION TREATMENT OF WORKS OUTSIDE OF PRECINCT 12.2, REFER TO MIR-012-01 DRAWING C730 - EROSION AND SEDIMENT CONTROL LAYOUT - STABILISATION PHASE



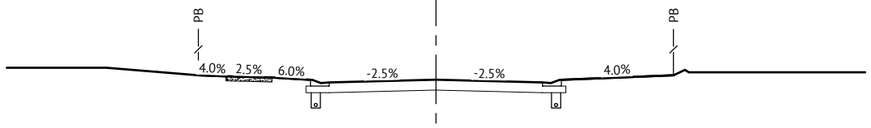
CHAINAGE 160* — DATUM R.L. 62.00



CHAINAGE 260 — DATUM R.L. 57.00



CHAINAGE 240 — DATUM R.L. 56.00



CHAINAGE 220 — DATUM R.L. 56.00

FOR CONSTRUCTION

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DESIGNED K KIWANG
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

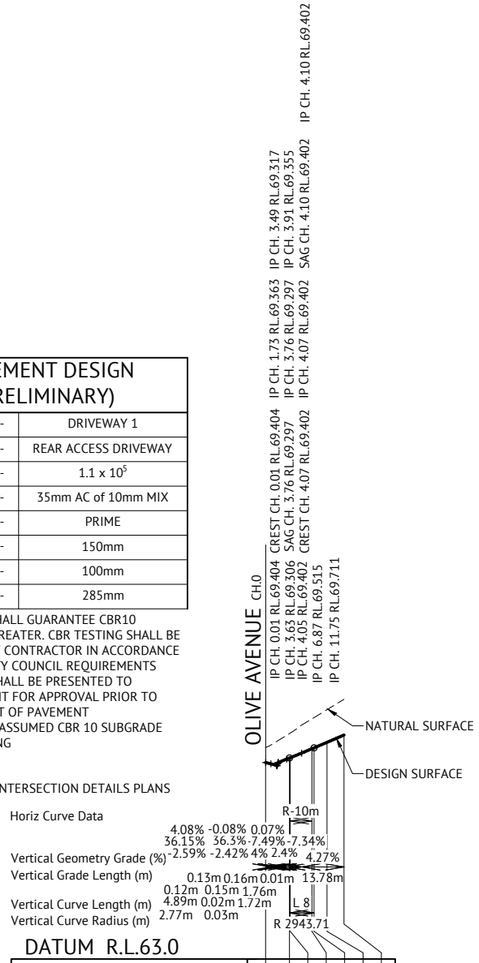
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE BAMBOO ROAD CROSS SECTIONS

JOB CODE MIR012-02
SHEET NUMBER C320
REV A

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	DRIVEWAY 1
CLASS	-	REAR ACCESS DRIVEWAY
ESA's	-	1.1×10^5
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

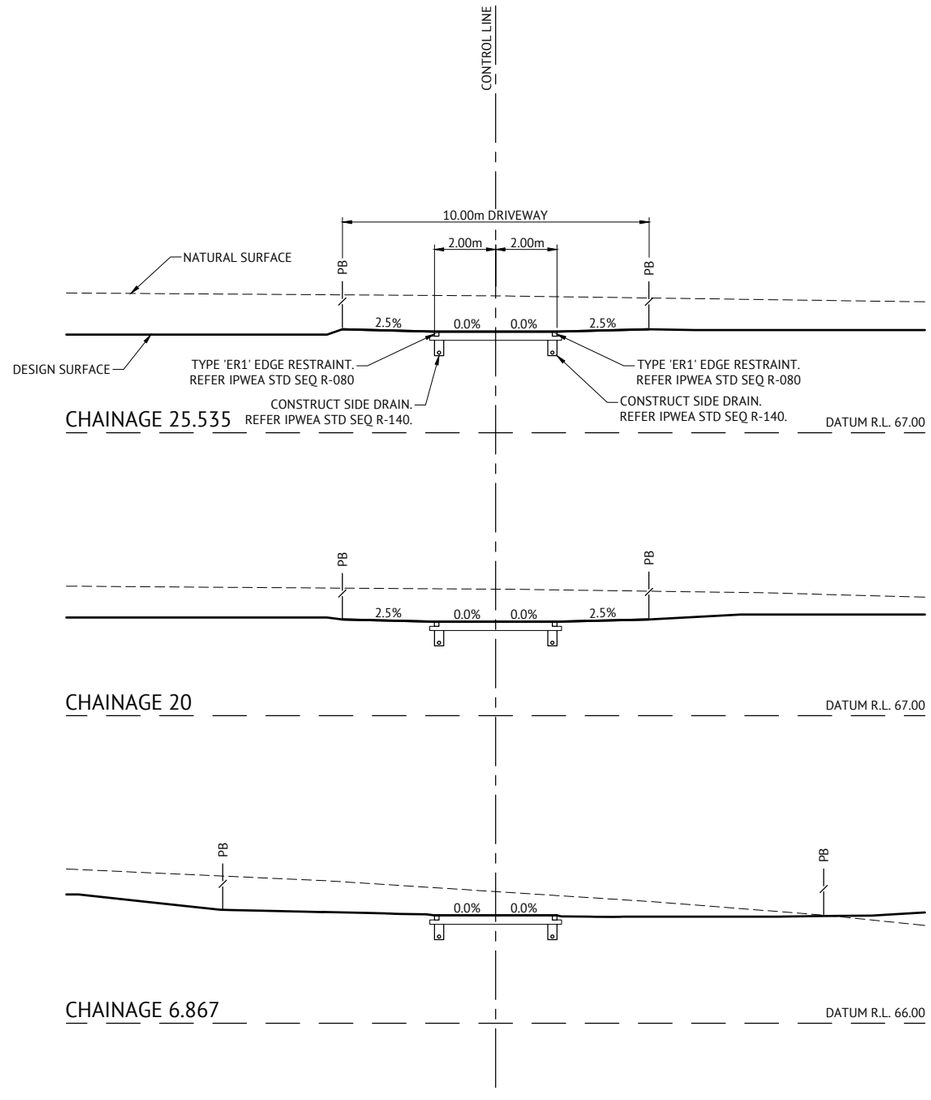


DATUM R.L.63.0

CUT (-)/FILL DEPTH	-0.490	-0.795	-0.801	-0.971	-0.983	-1.062	-1.164
LHS LIP LEVEL	✳	69.551	69.562	69.853	69.882	70.063	70.300
RHS LIP LEVEL	✳	69.551	69.562	69.853	69.882	70.063	70.300
DESIGN SURFACE	69.404	69.551	69.562	69.853	69.882	70.063	70.300
NATURAL SURFACE	69.894	70.346	70.363	70.824	70.865	71.125	71.464
CHAINAGE	0.00	7.75	8.03	15.08	15.75	20.00	25.53

DRIVEWAY 1 LONGITUDINAL SECTION

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



DRIVEWAY 1 CROSS SECTION

SCALE 1:100

FOR CONSTRUCTION

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CHECKED M MAIZNER
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PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

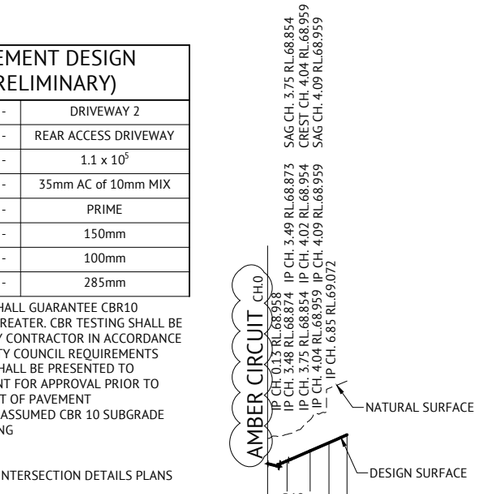
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE DWAY 1 LONG & CROSS SECTIONS

JOB CODE MIR012-02
SHEET NUMBER C321
REV A

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	DRIVEWAY 2
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 R10m
-0% 36.26% 36.21%
-7.41% -2.44% -2.5%
Vertical Geometry Grade (%) 4.09% -7.36% 4.34%
Vertical Grade Length (m) 0.01m 0.01m 19.07m
0.26m 3.35m 0.13m
Vertical Curve Length (m) 0.05m 2.76m 0.28m
Vertical Curve Radius (m)

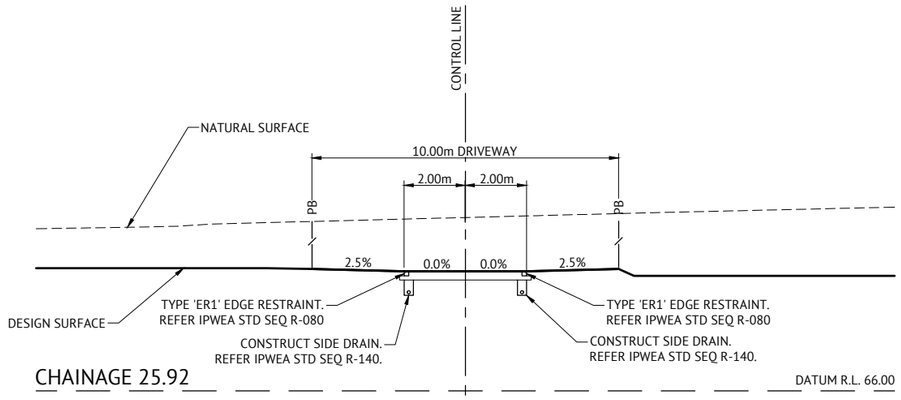
DATUM R.L.63.0

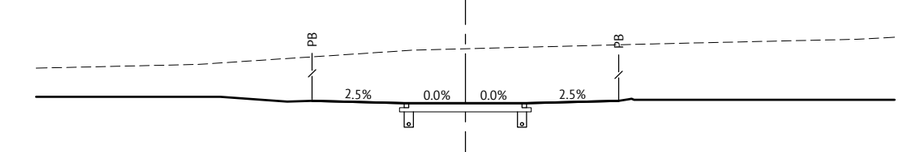
CUT (-)/FILL DEPTH	-0.822	-0.865	-1.015	-1.772	-1.752	
LHS LIP LEVEL	✳		69.378	69.643	69.900	
RHS LIP LEVEL	✳		69.378	69.643	69.900	
DESIGN SURFACE	68.961	69.051	69.378	69.643	69.900	
NATURAL SURFACE	69.782	69.916	70.393	71.415	71.652	
CHAINAGE	0.00	6.33	13.89	20.00	25.92	

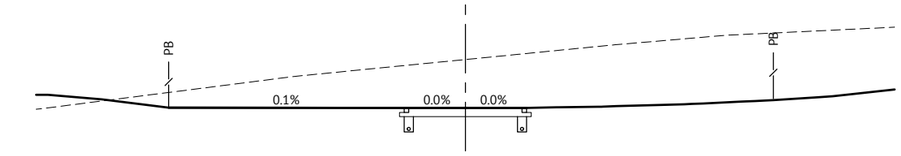
SAG CH. 3.75 RL.68.854
CREST CH. 4.04 RL.68.959
SAG CH. 4.09 RL.68.959
IP CH. 3.49 RL.68.873
IP CH. 4.02 RL.68.954
IP CH. 4.09 RL.68.959

DRIVEWAY 2 LONGITUDINAL SECTION

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







DRIVEWAY 2 CROSS SECTION

SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	B	AMENDED ROAD NAME	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

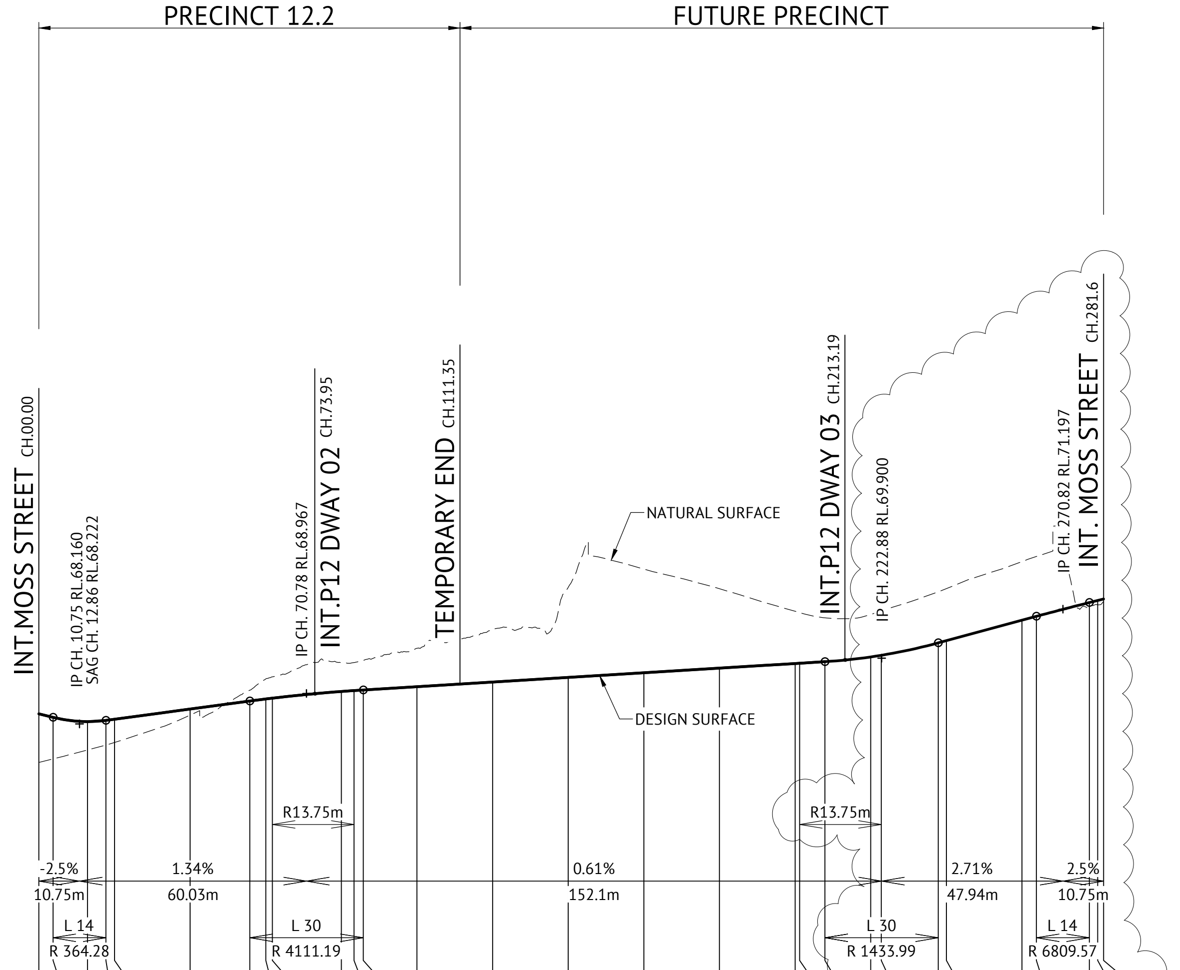
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE DWAY 2 LONG & CROSS SECTIONS

JOB CODE MIR012-02
SHEET NUMBER C322
REV B

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

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

* REFER TO INTERSECTION DETAILS PLANS



DATUM R.L.61.0

CUT (-)/FILL DEPTH	1.289	1.101	0.751	0.654	0.615	0.159	-0.288	-0.533	-0.563	-0.766	-0.743	-0.780	-1.015	-1.383	-2.385
LHS LIP LEVEL		*		68.168	68.198	68.466	68.678	68.733	68.754	68.932	68.956	68.972	69.059	69.182	69.305
RHS LIP LEVEL		*		68.168	68.198	68.466	68.678	68.733	68.754	68.932	68.956	68.972	69.059	69.182	69.305
DESIGN SURFACE	68.429	68.335	68.222	68.255	68.285	68.553	68.765	68.820	68.841	69.019	69.043	69.059	69.146	69.269	69.392
NATURAL SURFACE	67.141	67.235	67.471	67.601	67.669	68.394	69.053	69.353	69.405	69.785	69.786	69.839	70.161	70.652	71.777
CHAINAGE	0.00	3.75	12.86	17.75	20.00	40.00	55.78	60.00	61.75	80.00	83.35	85.78	100.00	120.00	140.00

CUT (-)/FILL DEPTH	-2.745	-2.101	-1.382	-1.340	-1.159	-1.122	-1.180	-1.351	-1.379	-1.554	-1.584	0.088	0.158	0.207
LHS LIP LEVEL	69.427	69.550	69.673	69.680	69.721	69.847	69.890	70.219	70.276	70.817	70.921			
RHS LIP LEVEL	69.427	69.550	69.673	69.680	69.721	69.847	69.890	70.219	70.276	70.817	70.921			
DESIGN SURFACE	69.514	69.637	69.760	69.767	69.808	69.934	69.977	70.306	70.363	70.904	71.008	71.372	71.427	71.466
NATURAL SURFACE	72.259	71.738	71.141	71.107	70.966	71.055	71.156	71.657	71.742	72.459	72.592	71.284	71.269	71.259
CHAINAGE	160.00	180.00	200.00	201.18	207.88	220.00	222.78	237.88	240.00	260.00	263.82	277.82	280.00	281.57

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	B	AMENDED ROAD NAMES AND DESIGN SURFACE LEVELS	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

REVISIONS

Premise

BRISBANE OFFICE
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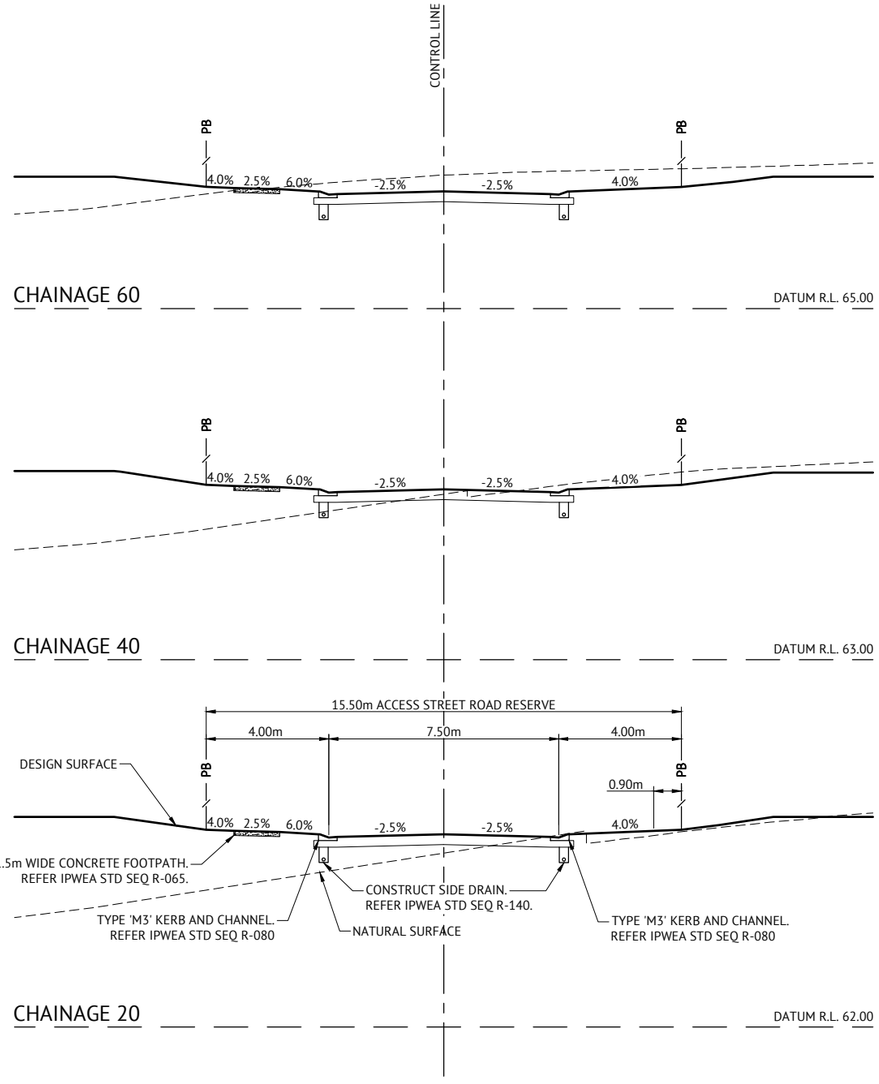
WEB: www.premise.com.au

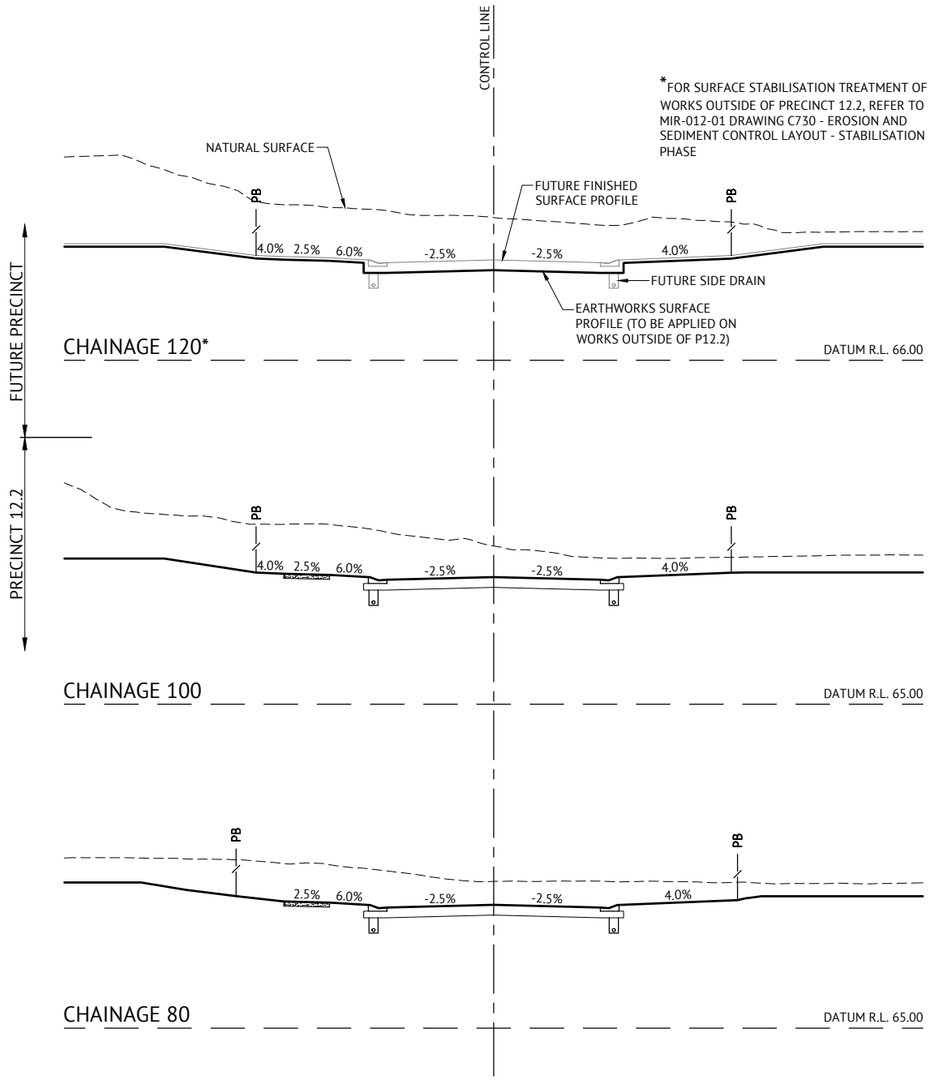
DESIGNED K KIWANG
CHECKED M MAJZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT **MIRVAC GROUP**
PROJECT **EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT**
LOCATION **TEVIOT ROAD, GREENBANK**
SHEET TITLE **AMBER CIRCUIT LONGITUDINAL SECTION**

JOB CODE MIR012-02
SHEET NUMBER C323
REV B





FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
11/06/2021	B	AMENDED ROAD NAME	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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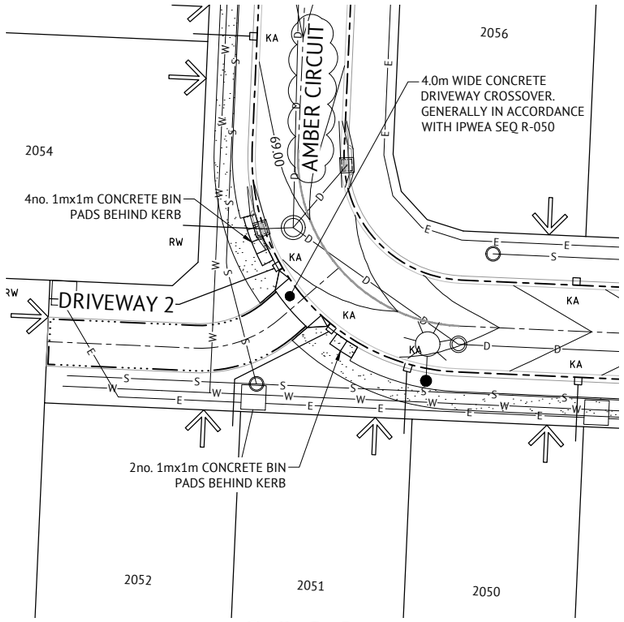
CHECKED M MAJZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PAT BRADY RPEQ 7112

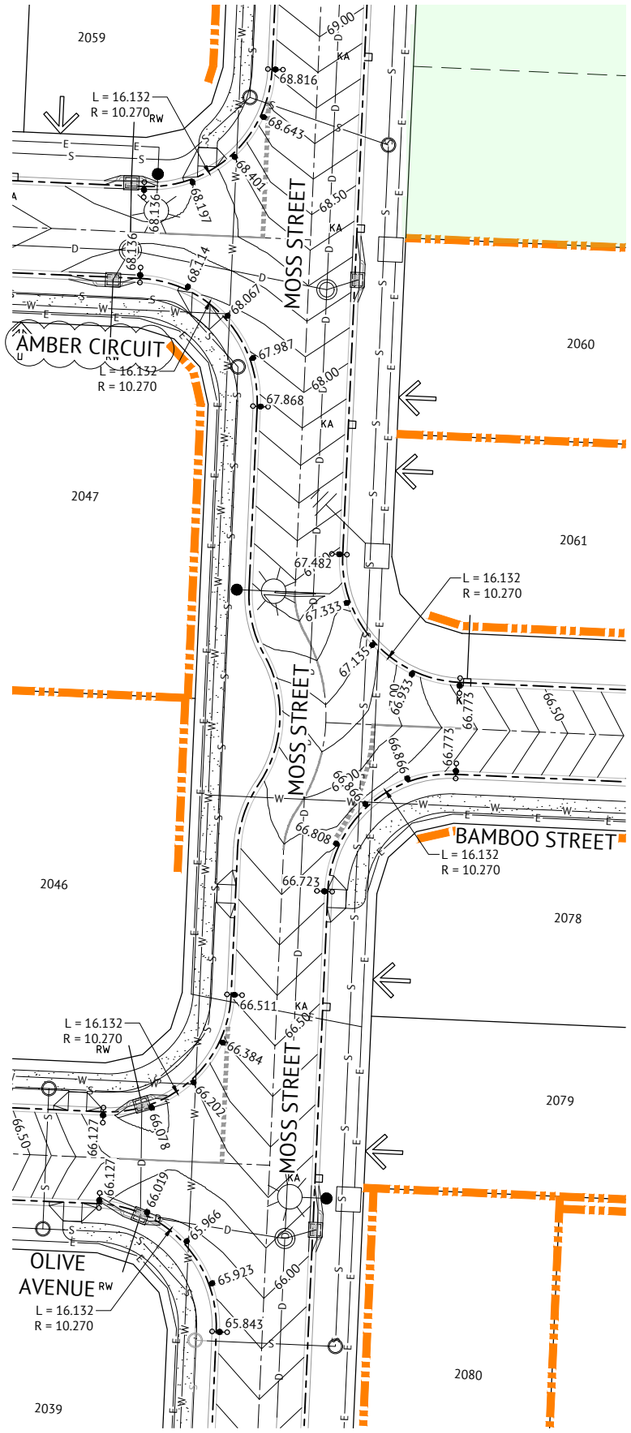
SCALE
0 2 4 6m
SCALE 1:100 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE AMBER CIRCUIT CROSS SECTIONS

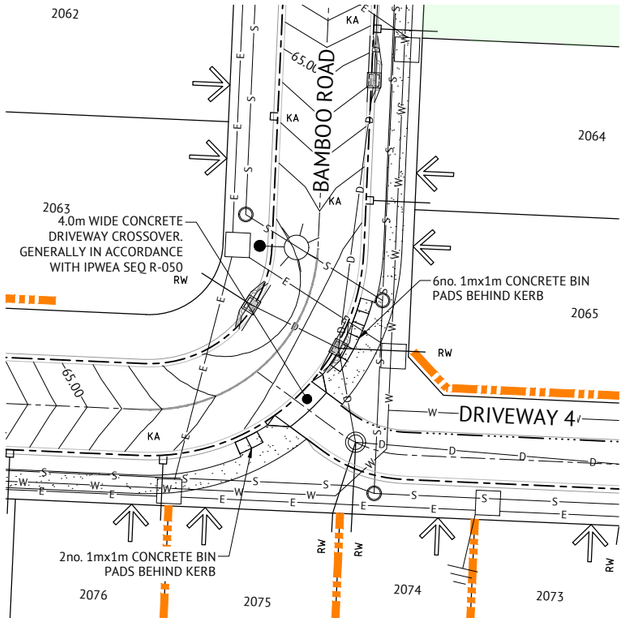
JOB CODE MIR012-02
SHEET NUMBER C324
REV B



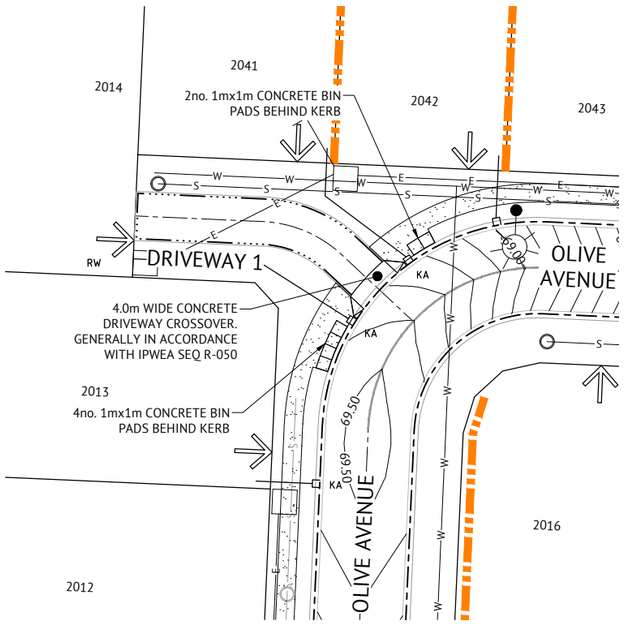
INTERSECTION AMBER CIRCUIT & DRIVEWAY 2



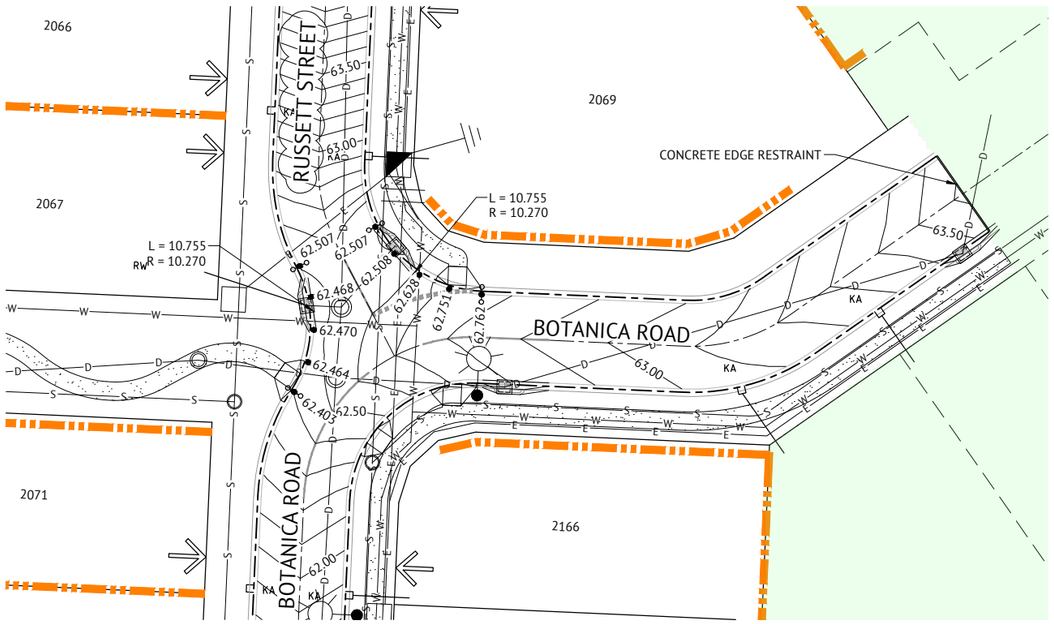
INTERSECTION OLIVE AVENUE & MOSS STREET
INTERSECTION MOSS STREET & BAMBOO STREET
INTERSECTION AMBER CIRCUIT & MOSS STREET



INTERSECTION BAMBOO ROAD & DRIVEWAY 4



INTERSECTION OLIVE STREET & DRIVEWAY 1



INTERSECTION BOTANICA ROAD & RUSSETT STREET

LEGEND

- 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 'ER1' EDGE RESTRAINT. REFER IPWEA STD DWG RS-080.
- LIP OF KERB LEVEL
- TRANSITION IN KERB AND CHANNEL TYPE
- PROPOSED STORMWATER
- PROPOSED SEWER
- PROPOSED WATER

EXISTING - LEGEND

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

NOTE

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	C	AMENDED ROAD NAMES	KK	PB
02/10/2020	B	AMENDED FOOTPATH AND KERB RAMPS ALIGNMENT	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

REVISIONS

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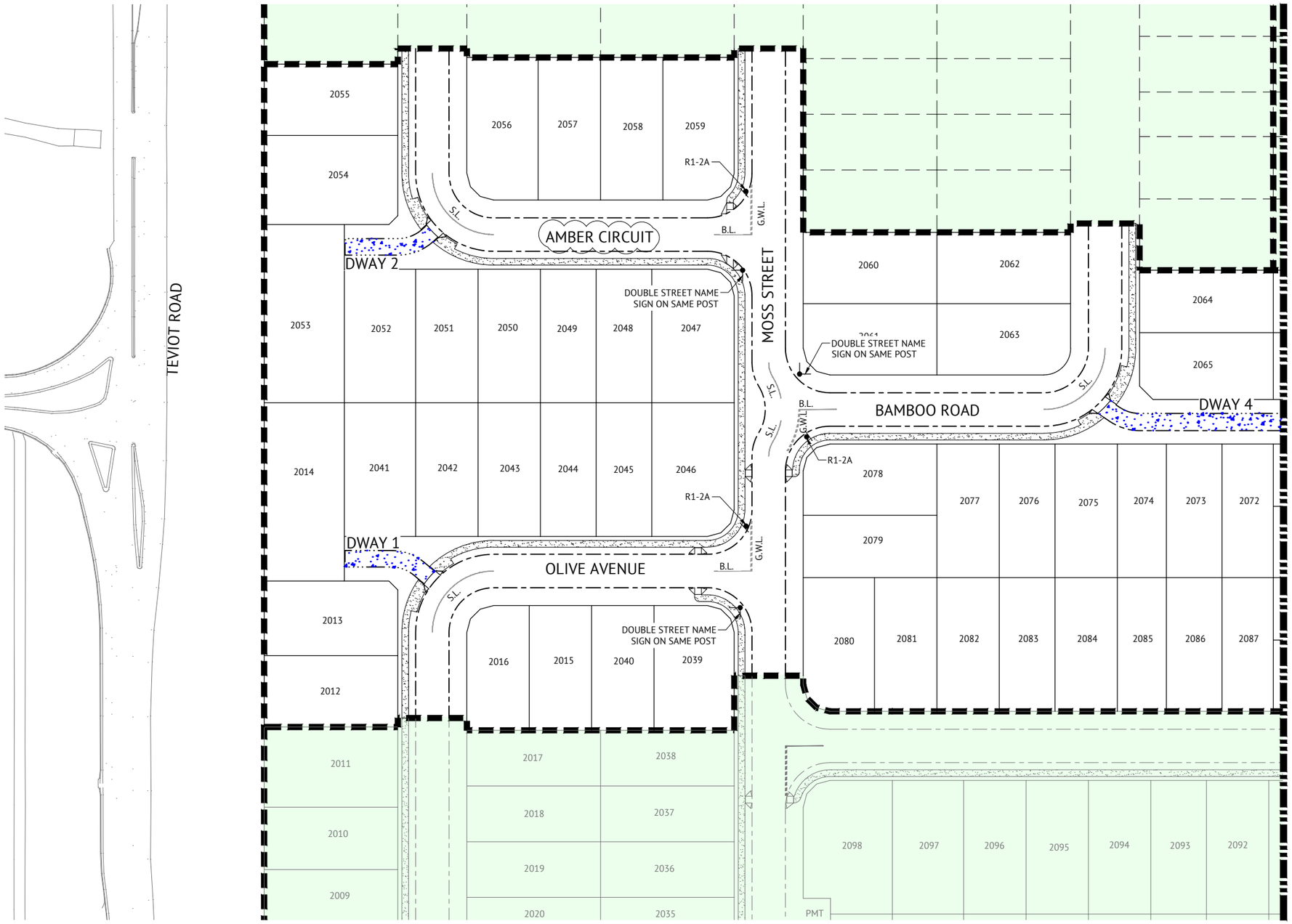
CHECKED M MAJZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

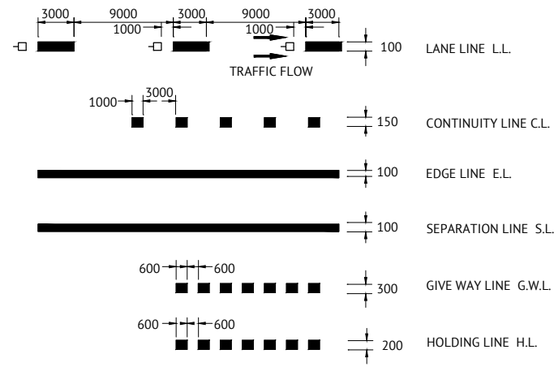
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE INTERSECTION DETAILS LAYOUT

JOB CODE MIR012-02
SHEET NUMBER C330
REV C



TYPICAL LINEMARKING LEGEND

N.T.S.



LINEMARKING NOTES

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

SIGNAGE NOTES

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

LEGEND

DURATHEM THRESHOLD TREATMENT. REFER TO LANDSCAPE PLANS FOR COLOUR AND PATTERN.

AC SURFACE DRIVEWAY

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

REQUIRED SIGNS

R1-2A R2-3A(L)

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	C	AMENDED ROAD NAME	KK	PB
02/10/2020	B	BREAK BETWEEN TWO SOLID LINE MARKINGS AMENDED	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

REVISIONS

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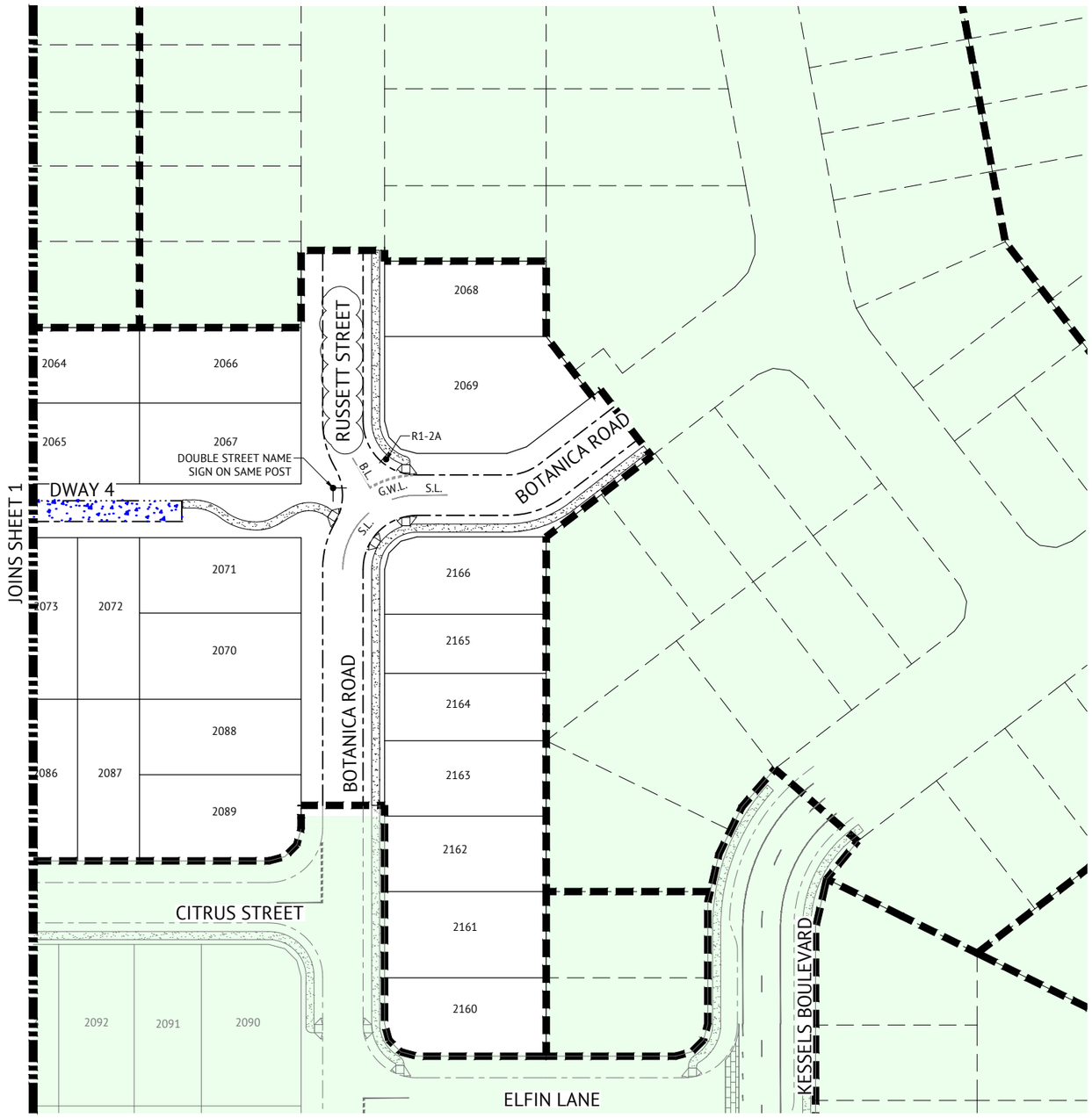
DESIGNED K KIWANG
CHECKED M MAIZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

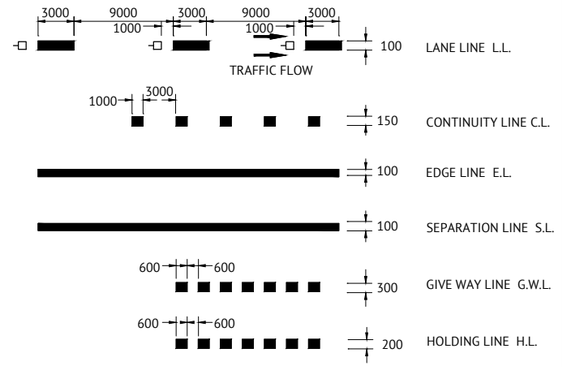
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE PAVEMENT MARKINGS AND SIGNAGE LAYOUT - SHEET 1 OF 2

JOB CODE MIR012-02
SHEET NUMBER C340
REV C



TYPICAL LINEMARKING LEGEND

N.T.S.



LINEMARKING NOTES

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

SIGNAGE NOTES

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

LEGEND

DURATHEM THRESHOLD TREATMENT. REFER TO LANDSCAPE PLANS FOR COLOUR AND PATTERN.

AC SURFACE DRIVEWAY

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

REQUIRED SIGNS

R1-2A

R2-3A(L)

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	C	AMENED ROAD NAME	KK	PB
02/10/2020	B	AMENDED FOOTPATH AND KERB RAMPS ALIGNMENT AND BREAK BETWEEN TWO SOLID LINE MARKINGS	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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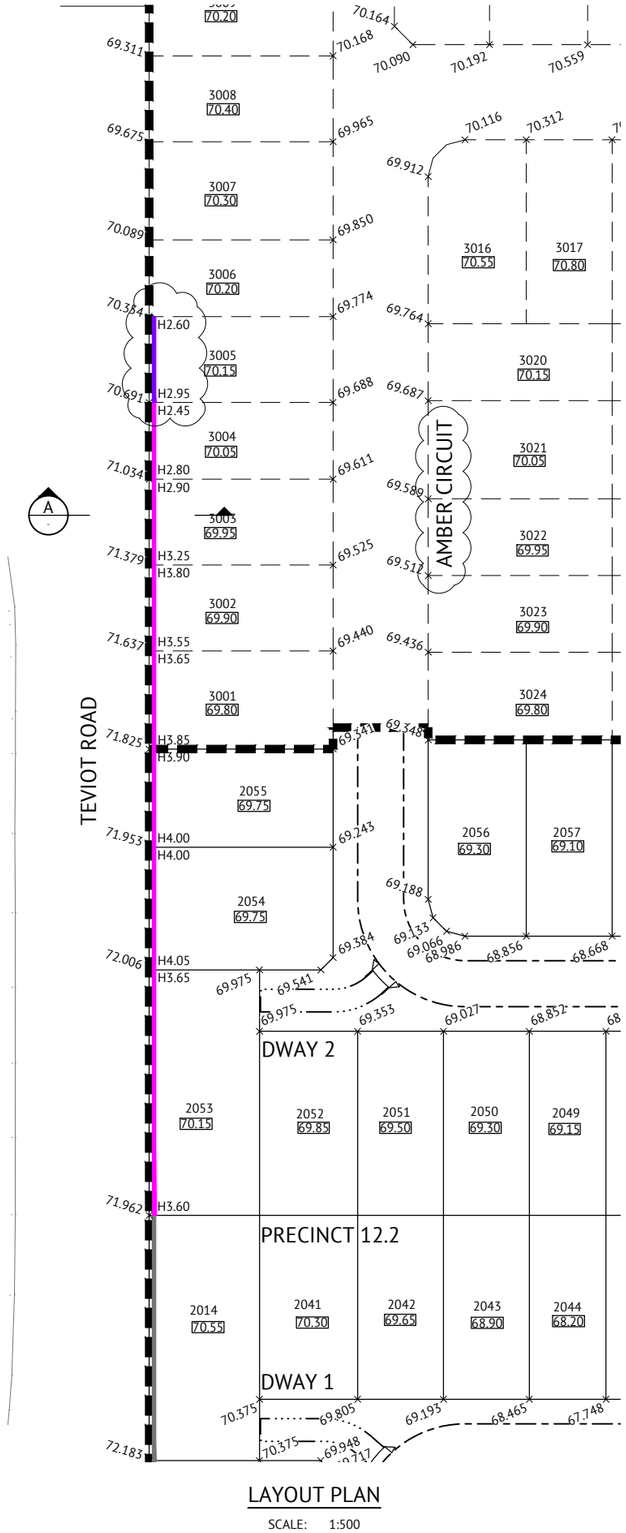
DESIGNED K KIWANG
CHECKED M MAJZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

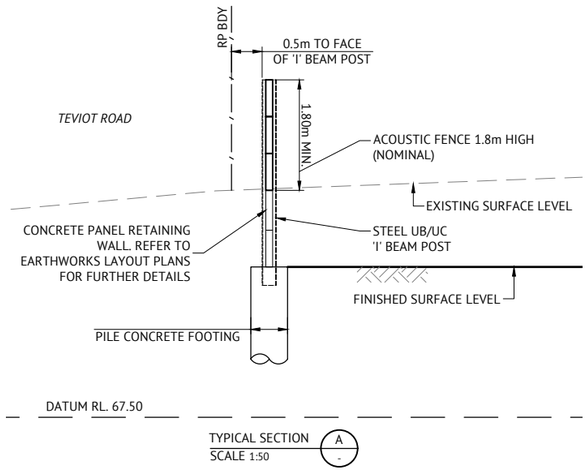
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE PAVEMENT MARKINGS AND SIGNAGE LAYOUT - SHEET 2 OF 2

JOB CODE MIR012-02
SHEET NUMBER C341
REV C



LAYOUT PLAN

SCALE: 1:500



TYPICAL SECTION A

SCALE 1:50

LEGEND - PROPOSED

1.8m HIGH MODULAR WALLS, ACOUSTIC FENCE OR APPROVED EQUIVALENT.

2.4m HIGH MODULAR WALLS, ACOUSTIC FENCE OR APPROVED EQUIVALENT.

H1.80 TOTAL HEIGHT FROM TOP OF FENCE TO LOWEST POINT ON EITHER SIDE OF ACOUSTIC FENCE

LEGEND - EXISTING

1.8m HIGH MODULAR WALLS, ACOUSTIC FENCE OR APPROVED EQUIVALENT.

NOTE:
THESE ACOUSTIC FENCE PLANS SHOULD BE READ IN CONJUNCTION WITH THE C200 SERIES EARTHWORKS DRAWINGS.

THESE DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE ATP CONSULTING ENGINEERS NOISE IMPACT ASSESSMENTS, DOCUMENT NO. ATP 170617-R-TNIA-01, DATED 24 MARCH 2020, AND DOCUMENT NO. ATP 170617-R-TNIA-02, DATED 9 NOVEMBER 2020.

THE PROPOSED ACOUSTIC FENCE SHALL BE CONSTRUCTED AS FOLLOWS:

- THE ACOUSTIC FENCE SHOULD BE CONSTRUCTED TO COMPLY WITH TMR's ROAD TRAFFIC NOISE MANAGEMENT: CODE OF PRACTICE.
- MATERIAL WITH MINIMUM SURFACE DENSITY OF 15kg/m2, E.G. TIMBER PALINGS WITH MINIMUM THICKNESS 20mm; FIBRE-CEMENT SHEETING WITH MINIMUM THICKNESS OF 12mm; MASONRY; AND AERATED CONCRETE.
- THE NOISE BARRIER SHOULD BE FREE OF ANY GAPS. IF THE NOISE BARRIER IS CONSTRUCTED OF TIMBER PALINGS, PLANKS SHOULD HAVE MINIMUM 35mm OVERLAP.
- NO GAPS SHALL BE LEFT BETWEEN THE FENCE AND THE GROUND.
- THE NOISE BARRIER SHOULD BE OF DURABLE CONSTRUCTION.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
25/02/2021	B	AMENDED NOTE AND ACOUSTIC FENCE ON LOT 3005, ADDED 2.4M HIGH MODULAR WALLS TO LEGEND	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	

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DESIGNED K KIWANG
CHECKED M MAIZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ACOUSTIC FENCE LAYOUT PLAN

JOB CODE MIR012-02
SHEET NUMBER C350
REV B

LEGEND

PROPOSED STORMWATER CATCHMENT BOUNDARY.	
1/A 0.2311ha	STORMWATER CATCHMENT NUMBER AND AREA
D	PROPOSED STORMWATER LINE
D	EXISTING STORMWATER LINE
12.0	FINISHED CONTOURS (0.50m)
	FINISHED CONTOURS (0.25m)
12.0	EXISTING CONTOURS (0.50m)

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS	
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	REC	APP

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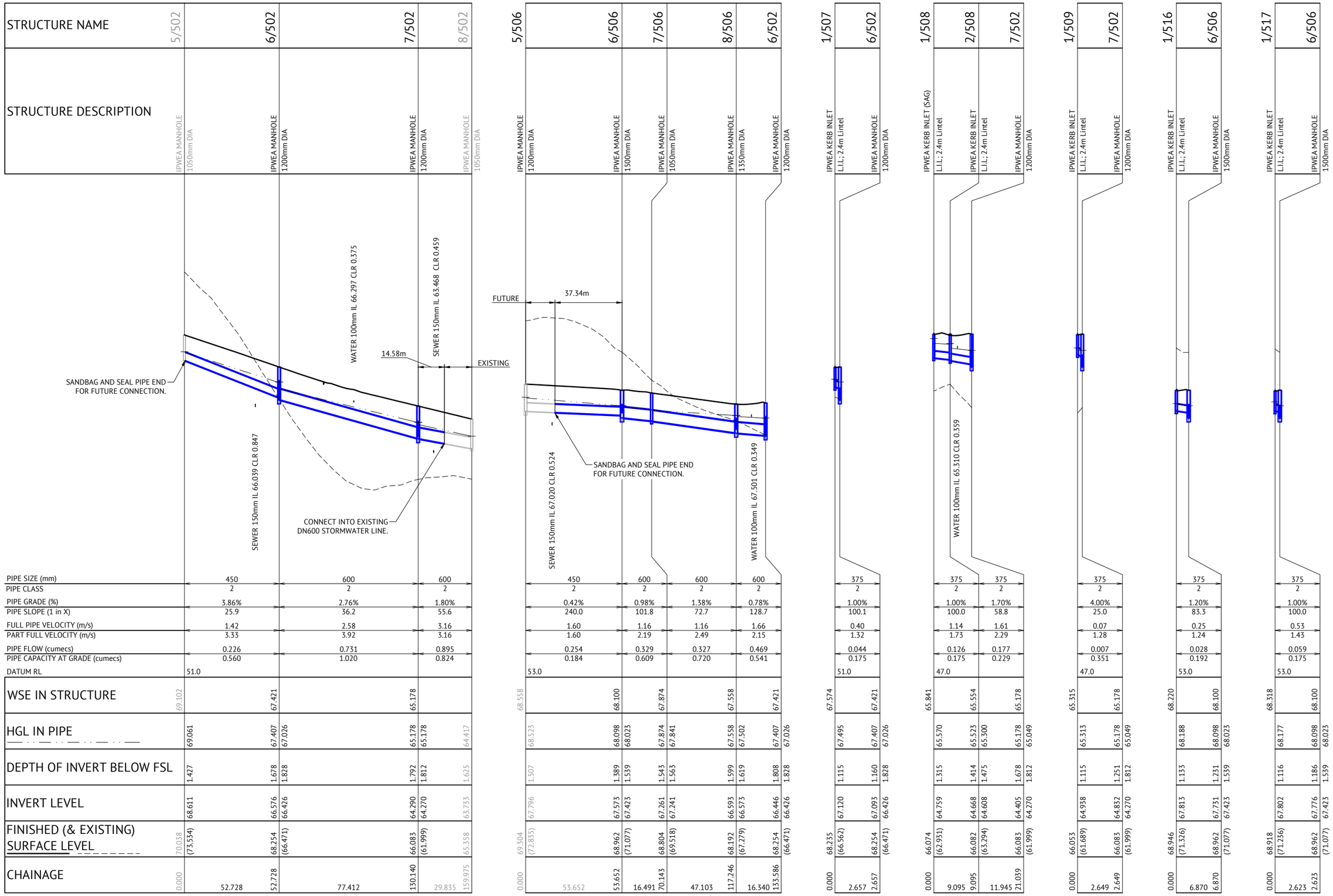
DESIGNED B ADAMS
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE STORMWATER DRAINAGE CATCHMENT PLAN

JOB CODE MIR012-02
SHEET NUMBER C400
REV A



STRUCTURE NAME	5/502	6/502	7/502	8/502	5/506	6/506	7/506	8/506	6/502	1/507	6/502	1/508	2/508	7/502	1/509	7/502	1/516	6/506	1/517	6/506
STRUCTURE DESCRIPTION	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1500mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1350mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA KERB INLET L/LL; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA	IPWEA KERB INLET (SAG) L/LL; 2.4m Lintel	IPWEA KERB INLET L/LL; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA	IPWEA KERB INLET L/LL; 2.4m Lintel	IPWEA MANHOLE 1200mm DIA	IPWEA KERB INLET L/LL; 2.4m Lintel	IPWEA MANHOLE 1500mm DIA	IPWEA KERB INLET L/LL; 2.4m Lintel	IPWEA MANHOLE 1500mm DIA
PIPE SIZE (mm)		450	600	600		450	600	600	600		375		375	375		375		375		375
PIPE CLASS		2	2	2		2	2	2	2		2		2	2		2		2		2
PIPE GRADE (%)		3.86%	2.76%	1.80%		0.42%	0.98%	1.38%	0.78%		1.00%		1.00%	1.70%		4.00%		1.20%		1.00%
PIPE SLOPE (1 in X)		25.9	36.2	55.6		240.0	101.8	72.7	128.7		100.1		100.0	58.8		25.0		83.3		100.0
FULL PIPE VELOCITY (m/s)		1.42	2.58	3.16		1.60	1.16	1.16	1.66		0.40		1.14	1.61		0.07		0.25		0.53
PART FULL VELOCITY (m/s)		3.33	3.92	3.16		1.60	2.19	2.49	2.15		1.32		1.73	2.29		1.28		1.24		1.43
PIPE FLOW (cumecs)		0.226	0.731	0.895		0.254	0.329	0.327	0.469		0.044		0.126	0.177		0.007		0.028		0.059
PIPE CAPACITY AT GRADE (cumecs)		0.560	1.020	0.824		0.184	0.609	0.720	0.541		0.175		0.175	0.229		0.351		0.192		0.175
DATUM RL	51.0				53.0					51.0		47.0			47.0		53.0		53.0	
WSE IN STRUCTURE	69.102	67.421	65.178		68.558	68.100	67.874	67.558	67.421	67.574	67.421	65.841	65.554	65.178	65.315	65.178	68.220	68.100	68.318	68.100
HGL IN PIPE	69.061	67.407	67.026	65.178	68.523	68.098	68.023	67.874	67.841	67.558	67.502	67.407	67.026	65.570	65.523	65.300	65.178	65.049	68.188	68.098	68.023	68.177	68.098	68.023
DEPTH OF INVERT BELOW FSL	1.427	1.678	1.828	1.792	1.507	1.389	1.539	1.543	1.563	1.599	1.619	1.808	1.828	1.315	1.414	1.475	1.678	1.812	1.133	1.231	1.539	1.116	1.186	1.539
INVERT LEVEL	68.611	66.576	66.426	64.290	67.796	67.573	67.423	67.261	67.241	66.593	66.573	66.446	66.426	64.759	64.668	64.608	64.405	64.270	67.813	67.731	67.423	67.802	67.776	67.423
FINISHED (& EXISTING) SURFACE LEVEL	70.038 (73.534)	68.254 (66.471)	66.083 (61.999)	64.270	69.304 (72.835)	68.962 (71.077)	68.804 (69.518)	68.192 (67.279)	68.254 (66.471)	68.235 (66.562)	68.254 (66.471)	66.074 (62.931)	66.082 (63.294)	66.083 (61.999)	66.053 (61.689)	66.083 (61.999)	68.946 (71.326)	68.962 (71.077)	68.918 (71.236)	68.962 (71.077)
CHAINAGE	0.000	52.728	77.412	130.140 29.835 159.975	0.000	53.652	53.652 16.491 70.143	47.103	117.246 16.340 133.586	0.000	2.657 2.657	0.000	9.095 9.095	11.945 21.039	0.000	2.649 2.649	0.000	6.870 6.870	0.000	2.623 2.623
LINE		502				506				507			508			509		516		517

FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
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REVISIONS

Premise

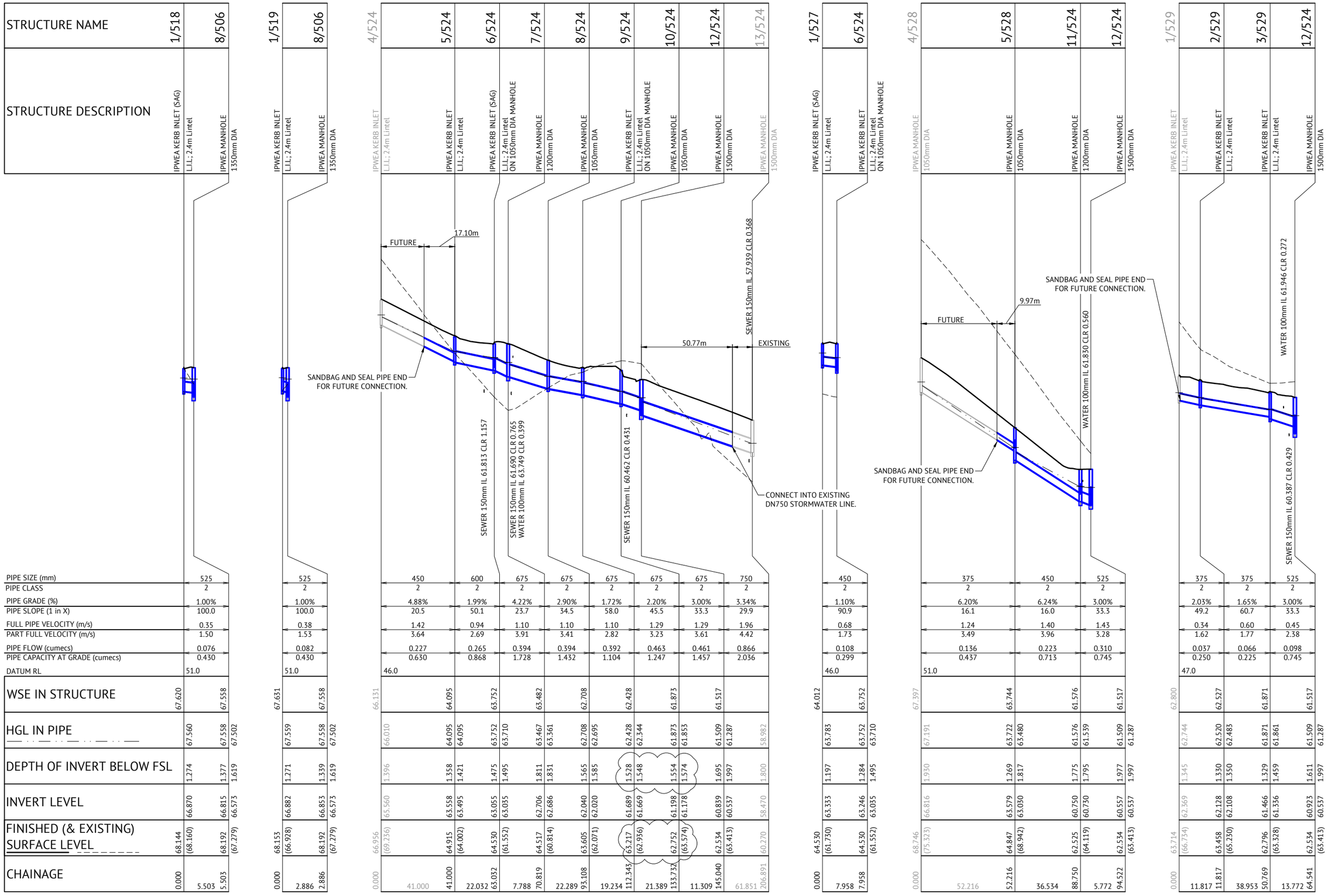
BRISBANE OFFICE
LEVEL 1, 100 BRUNSWICK STREET
PO BOX 361
FORTITUDE VALLEY, QLD 4006
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED B ADAMS
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER DRAINAGE LONG SECTIONS - SHEET 1

JOB CODE: MIR012-02
SHEET NUMBER: C410
REV: A



FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
07/10/2020	B	AMENDED FINISHED SURFACE LEVELS AND DEPTH TO INVERT ON STRUCTURES 9/524 AND 10/524	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
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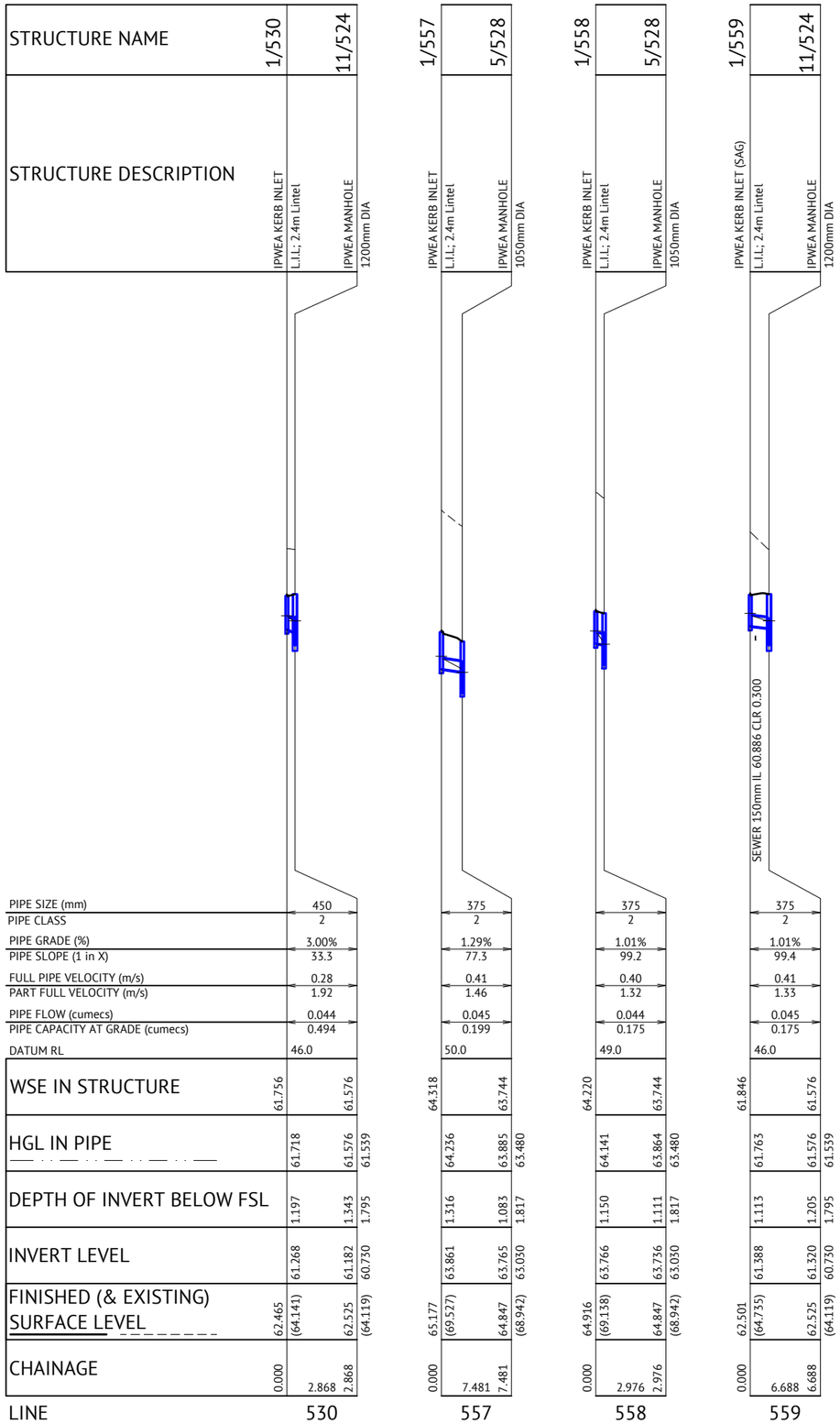
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE STORMWATER DRAINAGE LONG SECTIONS - SHEET 2

JOB CODE MIR012-02
SHEET NUMBER C411
REV B



FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
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PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER DRAINAGE LONG SECTIONS - SHEET 3

JOB CODE: MIR012-02
SHEET NUMBER: C412
REV: A

STORMWATER DRAINAGE NOTES

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

REFERENCE POINT LOCATION FOR DRAINAGE STRUCTURES

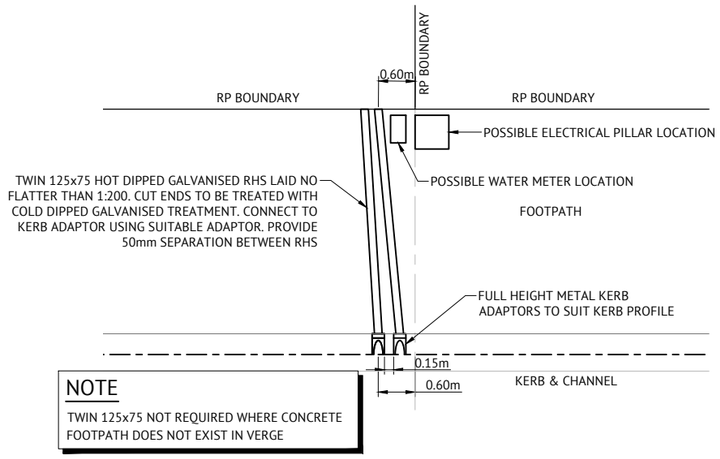
STRUCTURE TYPE	HORIZONTAL CONTROL POINT [REFERENCE POINT LOCATION]	VERTICAL CONTROL REFERENCE LEVEL
MANHOLE	CENTRELINE OF MAIN SHAFT	FINISHED SURFACE LEVEL AT CENTRE OF MAIN SHAFT
GULLY PIT OVER MANHOLE	CENTRE OF GULLY PIT	LIP LEVEL
GULLY PIT (LIP IN LINE)	CENTRE OF GULLY PIT	LIP LEVEL
HEADWALL	INTERSECTION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

EXCAVATION IN ROCK NOTE:

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

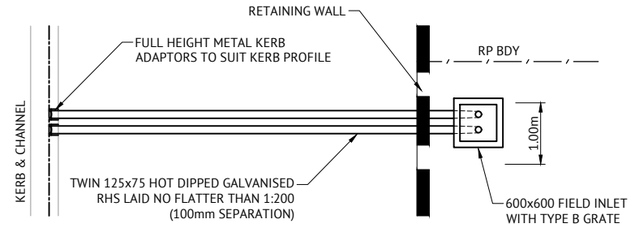
TRENCH SPOIL NOTE:

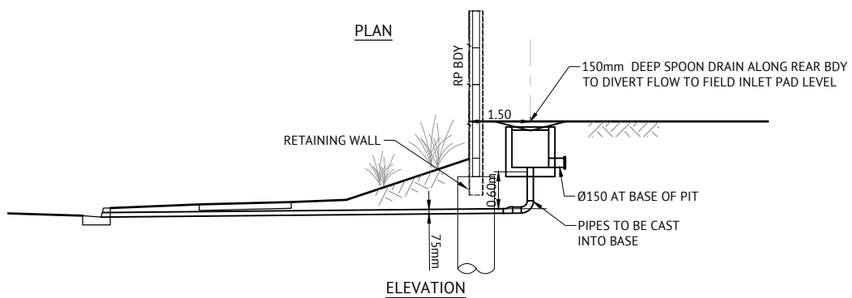
SPOILAGE OF EXCESS MATERIAL TO BE PLACED INTO THE SOUTHERN DAM REHABILITATION AREA INCLUDING ALL LEVEL ONE COMPACTION REQUIREMENTS AND TESTING IN ACCORDANCE WITH MORRISON GEOTECHNICAL SPECIFICATION AND ALL LOCAL AUTHORITY STANDARDS, AND SHALL BE FREE DRAINING.



TYPICAL ROOFWATER KERB ADAPTOR OUTLET DETAIL

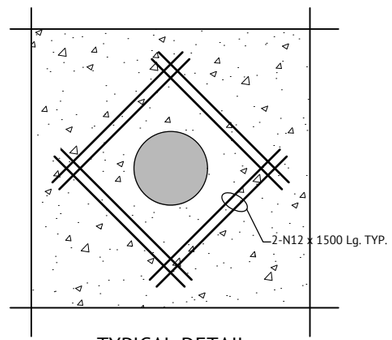
N.T.S.





TYPICAL ROOFWATER PROPERTY PIT TO KERB ADAPTOR OUTLET DETAIL

N.T.S.



TYPICAL DETAIL

GRATED PIT IN CONCRETE PAVEMENT
SCALE 1:20

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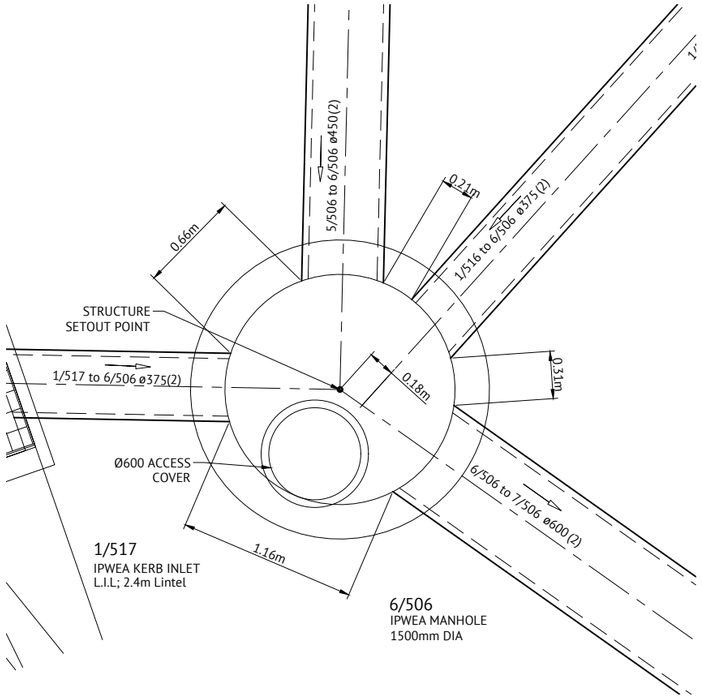
PROJECT DIRECTOR PAT BRADY RPEQ 7112

SCALE NTS

ORIGINAL SHEET SIZE A1

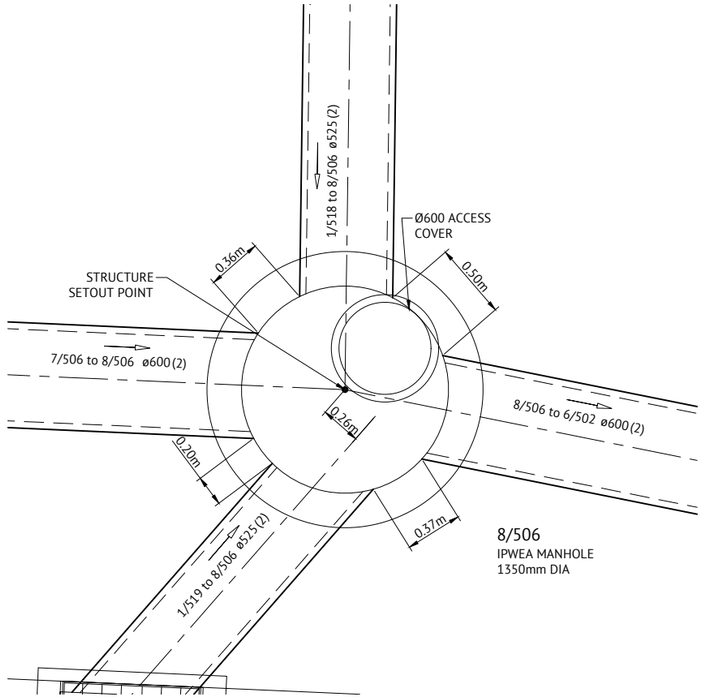
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE STORMWATER DRAINAGE NOTES AND DETAILS

JOB CODE MIR012-02
SHEET NUMBER C420
REV A

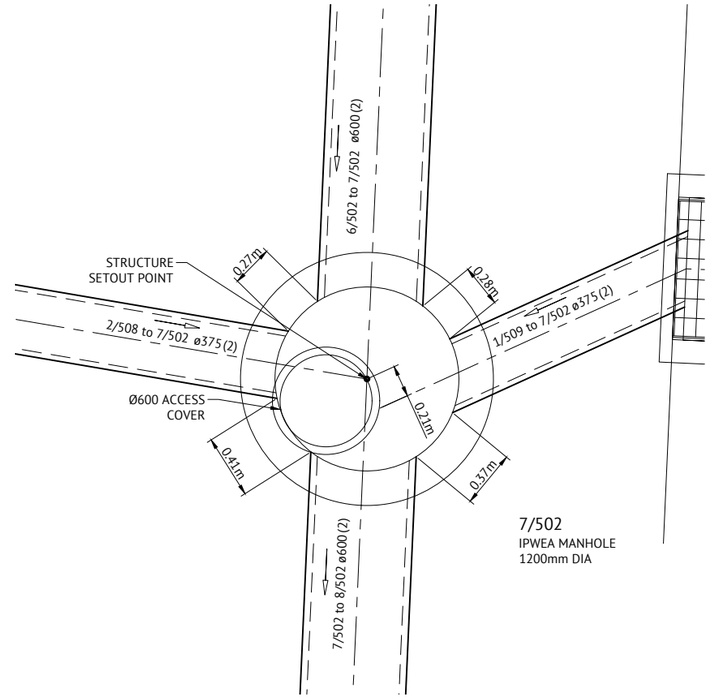


1/517
IPWEA KERB INLET
L.I.L; 2.4m Lintel

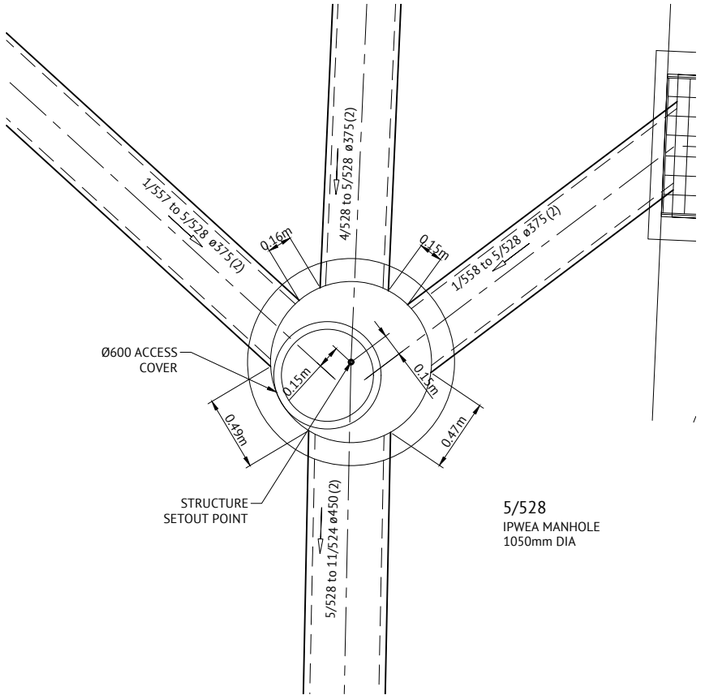
6/506
IPWEA MANHOLE
1500mm DIA



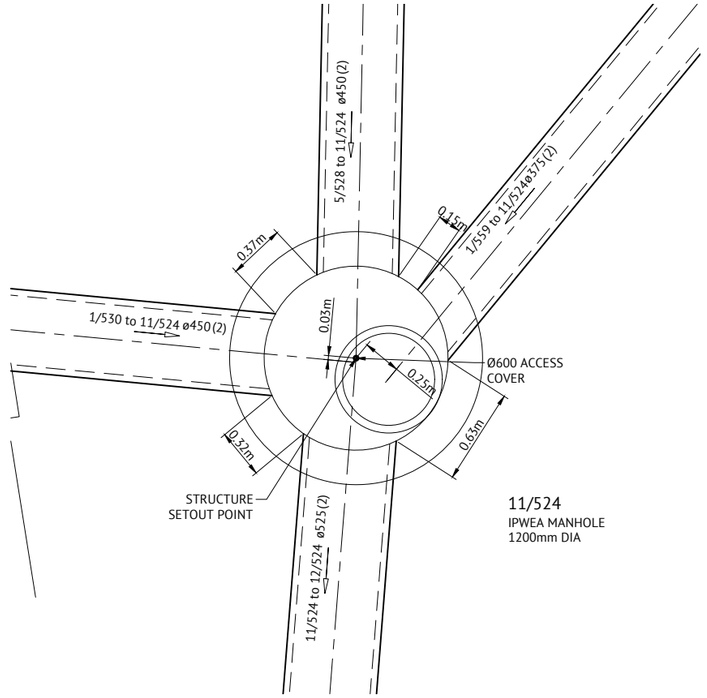
8/506
IPWEA MANHOLE
1350mm DIA



7/502
IPWEA MANHOLE
1200mm DIA



5/528
IPWEA MANHOLE
1050mm DIA



11/524
IPWEA MANHOLE
1200mm DIA

FOR CONSTRUCTION

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WEB: www.premise.com.au

DESIGNED: B ADAMS
CHECKED: M MAJZNER
PROJECT MANAGER: R LLEWELYN
PROJECT DIRECTOR: PAT BRADY RPEQ 7112

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

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER DRAINAGE STRUCTURE DETAILS

JOB CODE: MIR012-02
SHEET NUMBER: C430
REV: A

LOCATION			TIME			SUB-CATCHMENT RUNOFF				INLET DESIGN								DRAIN DESIGN									HEADLOSSES										PART FULL			DESIGN LEVELS						
			tc	I	C	A	CA	Q						Qg	Qb		tc	I	CA		Qp	L	S			Vf=Q/A		STRUCTURE RATIOS			V2/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn	Vn							
STRUCTURE NUMBER	DOWNSTREAM STRUCTURE	SUB-CATCHMENT'S CONTRIBUTING	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	CO-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	FLOW WIDTH	FLOW DEPTH	ROAD GRADE AT INLET	HALF ROAD CAPACITY	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE NUMBER	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C x A)	SUM ADDITIONAL PIPE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE/BOX DIMENSIONS	CLASS	FULL PIPE VELOCITY	TIME OF FLOW IN REACH	CHARTS USED	Qg/Qo	Du/Do	S/Do	VELOCITY HEAD	UPSTREAM HEADLOSS CO-EFFICIENT	UPSTREAM HEADLOSS	W.S.E. CO-EFFICIENT	CHANGE IN W.S.E.	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (L x Sf)	NORMAL DEPTH	NORMAL DEPTH VELOCITY (MINOR STORM)	NORMAL DEPTH VELOCITY (1 YEAR STORM)	UPSTREAM OBVERT LEVEL	DOWNSTREAM OBVERT LEVEL	UPSTREAM H.G.L.	DOWNSTREAM H.G.L.	W.S.E.	SURFACE OR GRATE LEVEL	STRUCTURE NUMBER
			min	mm/h		ha	ha	l/s	l/s	m	m	%	l/s	l/s	l/s		min	mm/h	ha	l/s	l/s	m	%	mm		m/s	min					m		m		m		m	m	m/s	m/s	m	m	m	m	m	m	
5/502	6/502	1/503 1/502 2/502 3/502 4/502 1/504 1/505															9.20	108	0.751	0	226	52.728	3.859	450	2	1.42	0.25	34 37	0.00	1.00	1.09	0.103	0.40	0.041		0.041	3.14	1.654	0.199	3.33	3.08	69.061	67.026	69.061	67.407	69.102	70.038	5/502
6/502	7/502	1/518 1/519 1/516 1/517 1/513 2/506 3/506 1/514 1/515 1/507 1/503 1/502 2/502 3/502 4/502 1/504 1/505															9.45	107	2.508	0	731	77.412	2.759	600	2	2.58	0.36	37 42 43	0.00	1.00	1.66	0.341	1.12	0.381	1.16	0.395	2.39	1.848	0.376	3.92	3.67	67.026	64.890	67.026	65.178	67.421	68.254	6/502
7/502	8/502	1/508 2/508 1/509 1/518 1/519 1/516 1/517 1/513 2/506 3/506 1/514 1/515 1/507 1/503 1/502 2/502 3/502 4/502 1/504 1/505															9.76	106	3.049	0	895	29.835	1.800	600	2	3.16	0.17	33 34	0.00	1.00	1.51	0.511	0.25	0.129		0.129	2.12	0.633	0.600	3.16	3.24	64.870	64.333	65.049	64.417	65.178	66.083	7/502
8/502																																												64.417	65.358	8/502
5/506	6/506	1/513 2/506 3/506 1/514 1/515															8.91	109	0.843	0	254	53.652	0.417	450	2	1.60	0.77	33 34	0.00	1.00	1.69	0.130	0.27	0.035		0.035	0.79	0.426	0.450	1.60	1.32	68.246	68.023	68.523	68.098	68.558	69.304	5/506
6/506	7/506	1/516 1/517 1/513 2/506 3/506 1/514 1/515															9.68	106	1.114	0	329	16.491	0.983	600	2	1.16	0.13	37 42 43	0.00	1.00	1.13	0.069	1.08	0.075	1.12	0.077	0.90	0.149	0.314	2.19	2.03	68.023	67.861	68.023	67.874	68.100	68.962	6/506
7/506	8/506	1/516 1/517 1/513 2/506 3/506 1/514 1/515															9.81	106	1.114	0	327	47.103	1.375	600	2	1.16	0.31	34 37	0.00	1.00	1.06	0.068	0.49	0.033		0.033	0.60	0.283	0.284	2.49	2.3	67.841	67.193	67.841	67.558	67.874	68.804	7/506
8/506	6/502	1/518 1/519 1/516 1/517 1/513 2/506 3/506 1/514 1/515															10.08	105	1.658	0	469	16.340	0.777	600	2	1.66	0.14	34 37	0.00	1.00	1.64	0.140	0.40	0.056		0.056	0.58	0.095	0.431	2.15	2.04	67.173	67.046	67.502	67.407	67.558	68.192	8/506
1/507	6/502	1/507	8.00	113	0.75	0.200	0.150	47	47	1.992	0.060	3.45	291	44	3	1/527	8.00	113	0.150	0	44	2.626	1.011	375	2	0.40	0.03	32	1.00		1.21	0.008	9.70	0.079		0.079	3.31	0.086	0.128	1.32	1.24	67.495	67.468	67.495	67.407	67.574	68.235	1/507
1/508	2/508	1/508	8.00	113	0.75	0.481	0.360	113	126		0.058	1.84	375	126	0	2/508	8.00	113	0.360	0	126	9.070	1.003	375	2	1.14	0.10	32	1.00		2.88	0.067	4.05	0.271		0.271	0.52	0.047	0.236	1.73	1.59	65.134	65.043	65.570	65.523	65.841	66.074	1/508
2/508	7/502	1/508 2/508	8.00	113	0.75	0.220	0.165	52	52	2.857	0.059	0.24	1588 4	52	0	1/510	8.10	113	0.524	0	177	11.924	1.703	375	2	1.61	0.10	42 46 43 47	0.29	1.00	2.52	0.132	1.69	0.223	1.93	0.254	1.02	0.122	0.248	2.29	2.12	64.983	64.780	65.300	65.178	65.554	66.082	2/508
1/509	7/502	1/509	5.00	127	0.75	0.028	0.021	7	7	1.014	0.036	2.43	230	7	0	1/560	5.00	127	0.021	0	7	2.597	4.080	375	2	0.07	0.01	32	1.00		1.01	0.000	9.70	0.002		0.002	5.08	0.135	0.038	1.28	1.17	65.313	65.207	65.313	65.178	65.315	66.053	1/509
1/516	6/506	1/516	8.00	113	0.75	0.119	0.089	28	28	2.177	0.061	0.68	146	28	0	1/518	8.00	113	0.089	0	28	6.710	1.229	375	2	0.25	0.07	32	1.00		1.08	0.003	9.70	0.032		0.032	1.32	0.091	0.097	1.24	1.14	68.188	68.106	68.188	68.098	68.220	68.946	1/516
1/517	6/506	1/517	8.00	113	0.75	0.243	0.182	57	59	3.473	0.080	0.60	104	59	0	1/519	8.00	113	0.182	0	59	2.600	1.009	375	2	0.53	0.03	32	1.00		1.38	0.015	9.70	0.141		0.141	3.04	0.077	0.150	1.43	1.31	68.177	68.151	68.177	68.098	68.318	68.918	1/517
1/518	8/506	1/518	8.00	113	0.75	0.322	0.241	76	76		0.026	0.79	375	76	0	1/519	8.00	113	0.241	0	76	5.503	1.000	525	2	0.35	0.05	32	1.00		1.43	0.006	9.70	0.060		0.060	0.03	0.002	0.149	1.50	1.37	67.395	67.340	67.560	67.558	67.620	68.144	1/518
1/519	8/506	1/519	8.00	113	0.75	0.407	0.305	96	96	8.737	0.024	0.90	2305	82	13	1/508	8.00	113	0.305	0	82	2.790	1.034	525	2	0.38	0.02	32	1.00		1.43	0.007	9.70	0.072		0.072	0.04	0.001	0.156	1.53	1.45	67.407	67.378	67.559	67.558	67.631	68.153	1/519
4/524	5/524	1/525 1/524 2/524 3/524 1/526 4/524	8.00	113	0.75	0.221	0.165	52	52	1.977	0.058	5.11	330	47	5	5/524	8.49	111	0.761	0	227	41.000	4.884	450	2	1.42	0.17	33 34	0.21	1.00	1.27	0.103	1.16	0.120		0.120	4.67	1.916	0.187	3.64	3.38	66.010	64.008	66.010	64.095	66.131	66.956	4/524
5/524	6/524	1/525 1/524 2/524 3/524 1/526 4/524 5/524	8.00	113	0.75	0.155	0.116	36	41	1.828	0.060	4.44	328	41	0	6/524	8.55	111	0.874	0	265	22.030	1.995	600	2	0.94	0.12	33 34	0.15	0.75	1.00	0.045	0.00	0.000		0.000	1.55	0.342	0.228	2.69	2.49	64.095	63.655	64.095	63.752	64.095	64.915	5/524
6/524	7/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524	8.00	113	0.75	0.104	0.078	24	25	6.269	0.022	0.23	7	25	0	9/524	8.58	111	1.273	0	394	7.788	4.220	675	2	1.10	0.03	34 37	0.06	1.00	1.06	0.062	0.68	0.042		0.042	3.13	0.243	0.219	3.91	3.58	63.710	63.381	63.710	63.467	63.752	64.530	6/524
7/524	8/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524															8.60	111	1.273	0	394	22.289	2.898	675	2	1.10	0.09	42 46 43 47	0.00	1.00	1.18	0.062	1.70	0.105	1.95	0.121	2.93	0.653	0.242	3.41	3.13	63.361	62.715	63.361	62.708	63.482	64.517	7/524
8/524	9/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524															8.70	110	1.273	0	392	19.234	1.723	675	2	1.10	0.10	33 34	0.00	1.00	1.02	0.061	0.21	0.013		0.013	1.39	0.267	0.278	2.82	2.59	62.695	62.364	62.695	62.428	62.708	63.605	8/524
9/524	10/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524 9/524	8.00	113	0.75	0.426	0.319	100	100	3.362	0.090	4.27	733	75	25	1/531	8.63	110	1.582	0	463	21.389	2.200	675	2	1.29	0.10	33 34	0.16	1.00	1.12	0.086	0.98	0.084		0.084	2.20	0.471	0.285	3.23	2.98	62.344	61.873	62.344	61.873	62.428	63.156	9/524
10/524	12/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524 9/524															8.73	110	1.582	0	461	11.309	3.000	675	2	1.29	0.05	33 34	0.00	1.00	1.03	0.085	0.23	0.020		0.020	3.05	0.345	0.261	3.61	3.33	61.853	61.514	61.853	61.509	61.873	63.043	10/524
12/524	13/524	1/530 1/559 1/557 1/558 1/528 2/528 3/528 1/556 1/529 2/529 3/529 1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524 9/524															8.59	111	2.871	0	866	61.851	3.342	750	2	1.96	0.22	37 42 43	0.00	1.00	1.31	0.196	1.13	0.221	1.17	0.230	3.73	2.131	0.342	4.42	4.08	61.287	59.220	61.287	58.982	61.517	62.534	12/524
13/524																																												58.982	60.270	13/524
1/527	6/524	1/527	8.00	113	0.75	0.435	0.325	102	108		0.049	0.79	375	108	0	6/524	8.00	113	0.325	0	108	7.956	1.100	450	2	0.68	0.07	32	1.00		1.51	0.024	9.65	0.229		0.229	0.39	0.031	0.187	1.73	1.57	63.783	63.696	63.783	63.752	64.012	64.530	1/527
4/528	5/528	1/528 2/528 3/528 1/556															8.21	112	0.441	0	136	52.216	6.200	375	2	1.24	0.22	46 47	0.00	1.00	1.55	0.078	2.09	0.162	2.64	0.206	6.64	2.923	0.144	3.49	3.22	67.191	63.954	67.191	63.722	67.397	68.746	4/528
5/528	11/524	1/557 1/558 1/528 2/528 1/528 1/556															8.31	112	0.740	0	223	36.534	6.241	450	2	1.40	0.14	46 47	0.00	1.00	1.59	0.100	2.08	0.209	2.63	0.263	5.21	1.904	0.173	3.96	3.67	63.480	61.200	63.480	61.576	63.744	64.847	5/528

FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	REC	APP

REVISIONS

Premise

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DESIGNED B ADAMS
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

SCALE

ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP

PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT

LOCATION TEVIOT ROAD, GREENBANK

SHEET TITLE STORMWATER CALCULATIONS 39% AEP STORM

JOB CODE MIR012-02

SHEET NUMBER C440

REV A

LOCATION			TIME			SUB-CATCHMENT RUNOFF				INLET DESIGN					DRAIN DESIGN									HEADLOSSES												PART FULL		DESIGN LEVELS						RUNOFF			
			tc	I	C	A	CA	Q			Qg	Qb			I	CA		Qp	L	S			Vf=Q/A			STRUCTURE RATIOS			V2/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn									
STRUCTURE NUMBER	DOWNSTREAM STRUCTURE	SUB-CATCHMENTS CONTRIBUTING	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	CO-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD GRADE AT INLET	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE NUMBER	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C x A)	SUM ADDITIONAL PIPE FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE/BOX DIMENSIONS	CLASS	FULL PIPE VELOCITY	TIME OF FLOW IN REACH	CHARTS USED	Qg/Qo	Du/Do	S/Do	VELOCITY HEAD	UPSTREAM HEADLOSS CO-EFFICIENT	UPSTREAM HEADLOSS	W.S.E. CO-EFFICIENT	CHANGE IN W.S.E.	PIPE FRICTION SLOPE	PIPE FRICTION HEADLOSS (L x Sf)	NORMAL DEPTH	NORMAL DEPTH VELOCITY	UPSTREAM OBVERT LEVEL	DOWNSTREAM OBVERT LEVEL	UPSTREAM H.G.L.	DOWNSTREAM H.G.L.	W.S.E.	SURFACE OR GRATE LEVEL	MAJOR SURFACE FLOW CAPACITY	MAJOR SURFACE FLOW	DEPTH x VELOCITY PRODUCT	STRUCTURE NUMBER
			min	mm/h		ha	ha	l/s	l/s	%	l/s	l/s		min	mm/h	ha	l/s	l/s	m	%	mm		m/s	min					m		m		m	%	m	m	m/s	m	m	m	m	m	m	m	l/s	l/s	m^3/s	
5/502	6/502	1/503 1/502 2/502 3/502 4/502 1/504 1/505												9.20	240	1.004	0	448	52.728	3.859	450	2	2.82	0.25	34 37	0.00	1.00	1.56	0.405	0.62	0.252		0.252	2.83	1.493	0.304	3.91	69.061	67.026	69.061	67.568	69.313	70.038				5/502
6/502	7/502	1/518 1/519 1/516 1/517 1/513 2/506 3/506 1/514 1/515 1/507 1/503 1/502 2/502 3/502 4/502 1/504 1/505												9.45	238	3.352	0	902	77.412	2.759	600	2	3.19	0.36	34 37	0.00	1.00	1.90	0.520	0.69	0.361		0.361	2.16	1.670	0.439	4.07	67.026	64.890	67.207	65.536	67.568	68.254				6/502
7/502	8/502	1/508 2/508 1/509 1/518 1/519 1/516 1/517 1/513 2/506 3/506 1/514 1/515 1/507 1/503 1/502 2/502 3/502 4/502 1/504 1/505												9.76	235	4.074	0	900	29.835	1.800	600	2	3.18	0.17	33 34	0.00	1.00	2.11	0.517	0.26	0.134		0.134	2.15	0.641	0.600	3.18	64.870	64.333	65.402	64.762	65.536	66.083				7/502
8/502																							33																	64.762	65.358				8/502
5/506	6/506	1/513 2/506 3/506 1/514 1/515												8.91	243	1.126	0	208	53.652	0.417	450	2	1.31	0.77	33 34	0.00	1.00	1.44	0.087	0.23	0.020		0.020	0.53	0.285	0.450	1.31	68.246	68.023	68.424	68.140	68.445	69.304				5/506
6/506	7/506	1/516 1/517 1/513 2/506 3/506 1/514 1/515												9.68	236	1.488	0	405	16.491	0.983	600	2	1.43	0.13	37 42 43	0.00	1.00	1.20	0.105	1.11	0.117	1.16	0.121	0.69	0.114	0.358	2.30	68.023	67.861	68.023	67.909	68.144	68.962				6/506
7/506	8/506	1/516 1/517 1/513 2/506 3/506 1/514 1/515												9.81	235	1.488	0	401	47.103	1.375	600	2	1.42	0.31	34 37	0.00	1.00	1.11	0.102	0.49	0.050		0.050	0.43	0.200	0.320	2.61	67.841	67.193	67.859	67.658	67.909	68.804				7/506
8/506	6/502	1/518 1/519 1/516 1/517 1/513 2/506 3/506 1/514 1/515												10.08	232	2.215	0	393	16.340	0.777	600	2	1.39	0.14	33 34	0.00	1.00	1.81	0.098	0.24	0.024		0.024	0.41	0.067	0.379	2.09	67.173	67.046	67.634	67.568	67.658	68.192				8/506
1/507	6/502	1/507	8.00	252	1.00	0.200	0.200	140	253	3.45	85	168	1/527	8.00	252	0.200	0	85	2.626	1.011	375	2	0.77	0.03	32	1.00		1.85	0.031	7.83	0.239		0.239	0.24	0.006	0.185	1.58	67.495	67.468	67.574	67.568	67.813	68.235	1775	253	0.15	1/507
1/508	2/508	1/508	8.00	252	1.00	0.481	0.481	337	762	1.84	-380	1142	2/508	8.00	252	0.481	0	3	9.070	1.003	375	2	0.03	0.10	32				0.000	0.00	0.000		0.000	0.00	0.000	0.036	0.63	65.134	65.043	65.919	65.919	65.919	66.074	1714	762		1/508
2/508	7/502	1/508 2/508	8.00	252	1.00	0.220	0.220	154	1296	0.24	299	997	1/510	8.10	251	0.701	0	148	11.924	1.703	375	2	1.34	0.10	32 42 46 43 47	0.99	1.00	3.50	0.092	3.22	0.297	3.23	0.297	0.72	0.086	0.220	2.20	64.983	64.780	65.622	65.536	65.919	66.082	1264	1296	0.28	2/508
1/509	7/502	1/509	5.00	288	1.00	0.028	0.028	22	742	2.43	146	596	1/560	5.00	288	0.028	0	146	2.597	4.080	375	2	1.32	0.01	32	1.00		2.70	0.089	4.45	0.397		0.397	0.69	0.018	0.169	3.03	65.313	65.207	65.555	65.536	65.952	66.053	1867	742	0.27	1/509
1/516	6/506	1/516	8.00	252	1.00	0.119	0.119	84	327	0.68	94	233	1/518	8.00	252	0.119	0	94	6.710	1.229	375	2	0.85	0.07	32	1.00		1.80	0.037	8.09	0.300		0.300	0.71	0.049	0.185	1.73	68.188	68.106	68.188	68.140	68.488	68.946	1264	327	0.13	1/516
1/517	6/506	1/517	8.00	252	1.00	0.243	0.243	170	515	0.60	142	374	1/519	8.00	252	0.243	0	142	2.600	1.009	375	2	1.28	0.03	32	1.00		2.29	0.084	5.76	0.485		0.485	1.43	0.036	0.256	1.77	68.177	68.151	68.177	68.140	68.663	68.918	1264	515	0.17	1/517
1/518	8/506	1/518	8.00	252	1.00	0.322	0.322	225	530	0.79	3	527	1/519	8.00	252	0.322	0	3	5.503	1.000	525	2	0.02	0.05	32	1.00		1.50	0.000	9.69	0.000		0.000	0.00	0.000	0.034	0.60	67.395	67.340	67.658	67.658	67.659	68.144	1548	530		1/518
1/519	8/506	1/519	8.00	252	1.00	0.407	0.407	285	1185	0.90	40	1146	1/508	8.00	252	0.407	0	40	2.790	1.034	525	2	0.18	0.02	32	1.00		1.51	0.002	9.64	0.016		0.016	0.01	0.000	0.108	1.24	67.407	67.378	67.659	67.658	67.675	68.153	1548	1185	0.11	1/519
4/524	5/524	1/525 1/524 2/524 3/524 1/526 4/524	8.00	252	1.00	0.221	0.221	155	212	5.11	125	87	5/524	8.37	248	1.013	0	548	41.000	4.884	450	2	3.44	0.17	33 34	0.22	1.00	2.47	0.605	0.96	0.578		0.578	3.69	1.511	0.324	4.46	66.010	64.008	66.095	64.583	66.673	66.956	1656	212	0.14	4/524
5/524	6/524	1/525 1/524 2/524 3/524 1/526 4/524 5/524	8.00	252	1.00	0.155	0.155	108	195	4.44	119	76	6/524	8.55	247	1.167	0	659	22.030	1.995	600	2	2.33	0.12	33 34	0.18	0.75	1.78	0.277	0.00	0.000		0.000	1.15	0.254	0.391	3.38	64.095	63.655	64.583	64.330	64.583	64.915	1714	195	0.13	5/524
6/524	7/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524	8.00	252	1.00	0.104	0.104	73	676	0.23	210	466	9/524	8.58	246	1.700	0	865	7.788	4.220	675	2	2.42	0.03	33 34	0.24	1.00	1.92	0.298	1.17	0.348		0.348	1.06	0.082	0.338	4.83	63.710	63.381	63.982	63.899	64.330	64.530	1264	676	0.13	6/524
7/524	8/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524												8.60	246	1.700	0	863	22.289	2.898	675	2	2.41	0.09	42 46 43 47	0.00	1.00	1.88	0.297	1.60	0.476	1.80	0.535	1.05	0.235	0.378	4.19	63.361	62.715	63.423	63.188	63.959	64.517				7/524
8/524	9/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524												8.70	245	1.700	0	859	19.234	1.723	675	2	2.40	0.10	33 34	0.00	1.00	1.73	0.294	0.21	0.063		0.063	1.04	0.201	0.448	3.41	62.695	62.364	63.125	62.925	63.188	63.605				8/524
9/524	10/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524 9/524	8.00	252	1.00	0.426	0.426	298	764	4.27	98	666	1/531	8.63	246	2.114	0	944	21.389	2.200	675	2	2.64	0.10	33 34	0.10	1.00	1.86	0.355	0.66	0.236		0.236	1.26	0.270	0.439	3.83	62.344	61.873	62.689	62.419	62.925	63.156	1714	764	0.20	9/524
10/524	12/524	1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524 9/524												8.73	245	2.114	0	938	11.309	3.000	675	2	2.62	0.05	33 34	0.00	1.00	1.84	0.351	0.23	0.082		0.082	1.24	0.141	0.394	4.32	61.853	61.514	62.338	62.197	62.419	63.043				10/524
12/524	13/524	1/530 1/559 1/557 1/558 1/528 2/528 3/528 1/556 1/529 2/529 3/529 1/527 1/525 1/524 2/524 3/524 1/526 4/524 5/524 6/524 9/524												8.59	246	3.837	0	1773	61.851	3.342	750	2	4.01	0.22	37 42 43	0.00	1.00	2.26	0.821	1.11	0.910	1.15	0.941	3.65	1.800	0.541	5.19	61.287	59.220	61.287	59.031	62.229	62.534				12/524
13/524																							33 34																	59.031	60.270				13/524
1/527	6/524	1/527	8.00	252	1.00	0.435	0.435	304	536	0.79	8	527	6/524	8.00	252	0.435	0	8	7.956	1.100	450	2	0.05	0.07	32	1.00		2.22	0.000	6.09	0.001		0.001	0.00	0.000	0.052	0.83	63.783	63.696	64.330	64.330	64.331	64.530	1548	536		1/527
4/528	5/528	1/528 2/528 3/528 1/556												8.21	250	0.590	0	324	52.216	6.200	375	2	2.94	0.22	46 47	0.00	1.00	3.33	0.440	1.65	0.727	1.99	0.874	5.07	2.649	0.241	4.33	67.191	63.954	67.191	64.542	68.065	68.746				4/528

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	REC	APP

REVISIONS

Premise

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WEB: www.premise.com.au

DESIGNED B ADAMS
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

SCALE

ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: STORMWATER CALCULATIONS 1% AEP STORM

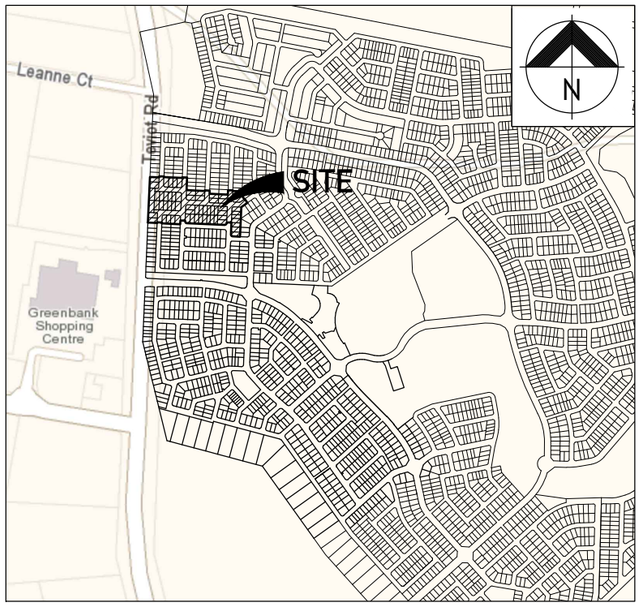
JOB CODE: MIR012-02
SHEET NUMBER: C441
REV: A

EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC GROUP

SEWERAGE RETICULATION



0 200 400 600m

SCALE 1:10000 (A1)

LOCALITY PLAN

REAL PROPERTY DESCRIPTION

LOT 205 & 434 on RP845844
LOT 9 on S312355

NAME OF ESTATE		
SUBDIVIDER		
APPLICATION No.		DEV 2018/999
SP DELEGATE APPROVAL DATE		16/04/2019
COUNCIL DA APPROVAL No.		-
DRAWING/PLAN No.		-
No. OF ALLOTMENTS		63
AREA ha		3.85
LENGTH OF SEWERS	DN150 uPVC SN8	1117m
	DN225 uPVC SN8	-

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

GENERAL NOTES

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

VEGETATION PROTECTION

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

SOIL

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

CREEK CROSSINGS

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

REHABILITATION

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

SAFETY

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

INDEMNITY - EXISTING SERVICES

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

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

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

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

TRENCH SPOIL NOTE:

SPOILAGE OF EXCESS MATERIAL TO BE PLACED 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.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
27/07/20	A	ORIGINAL ISSUE	AL	PB

REVISIONS

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

DESIGNED A LANGDON
CHECKED M MAIZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE LOCALITY PLAN & NOTES

JOB CODE MIR012-02
SHEET NUMBER C500
REV A

LEGEND - PROPOSED

- GRAVITY SEWER
- Ø100mm PROPERTY CONNECTION. 7.5m OFFSET FROM SIDE BDY WITH DWAY. 1.2m OFFSET FROM SIDE BDY WITHOUT DWAY. TYPICAL U.N.O.
- MAINTENANCE STRUCTURE
- PROPOSED MAINTENANCE HOLE OR MAINTENANCE SHAFT NUMBER. REFER LONG SECTION DRAWINGS FOR STRUCTURE DETAILS.
- HORIZONTAL BEND (3m RADIUS).
- LOT NUMBER
- STORMWATER DRAINAGE
- DRINKING WATER MAIN
- ELECTRICAL (PROPOSED)
- FINISHED CONTOURS (0.50m)
- ZERO LOT LINE
- FUTURE DRIVEWAY LOCATION
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE FOOTPATH & KERB RAMP
- STAGE BOUNDARY

LEGEND - EXISTING

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

EXISTING HOUSE CONNECTION DETAILS

LOT #	INVERT LEVEL	DEPTH
2012	68.247	1.250
2013	68.382	1.250
2080	63.528	1.250
2081	62.745	1.250
2082	61.955	1.250
2083	61.251	1.250
2084	60.461	1.250
2085	59.845	1.250
2086	59.256	1.250
2087	58.873	1.250

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.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
24/02/2021	C	AMENDED ROAD NAME	KK	PB
20/08/2020	B	ADDED TEMPORARY SEWER EASEMENTS TO SEWER OUTSIDE OF PRECINCT BOUNDARY	MM	PB
27/07/20	A	ORIGINAL ISSUE	AL	PB

REVISIONS

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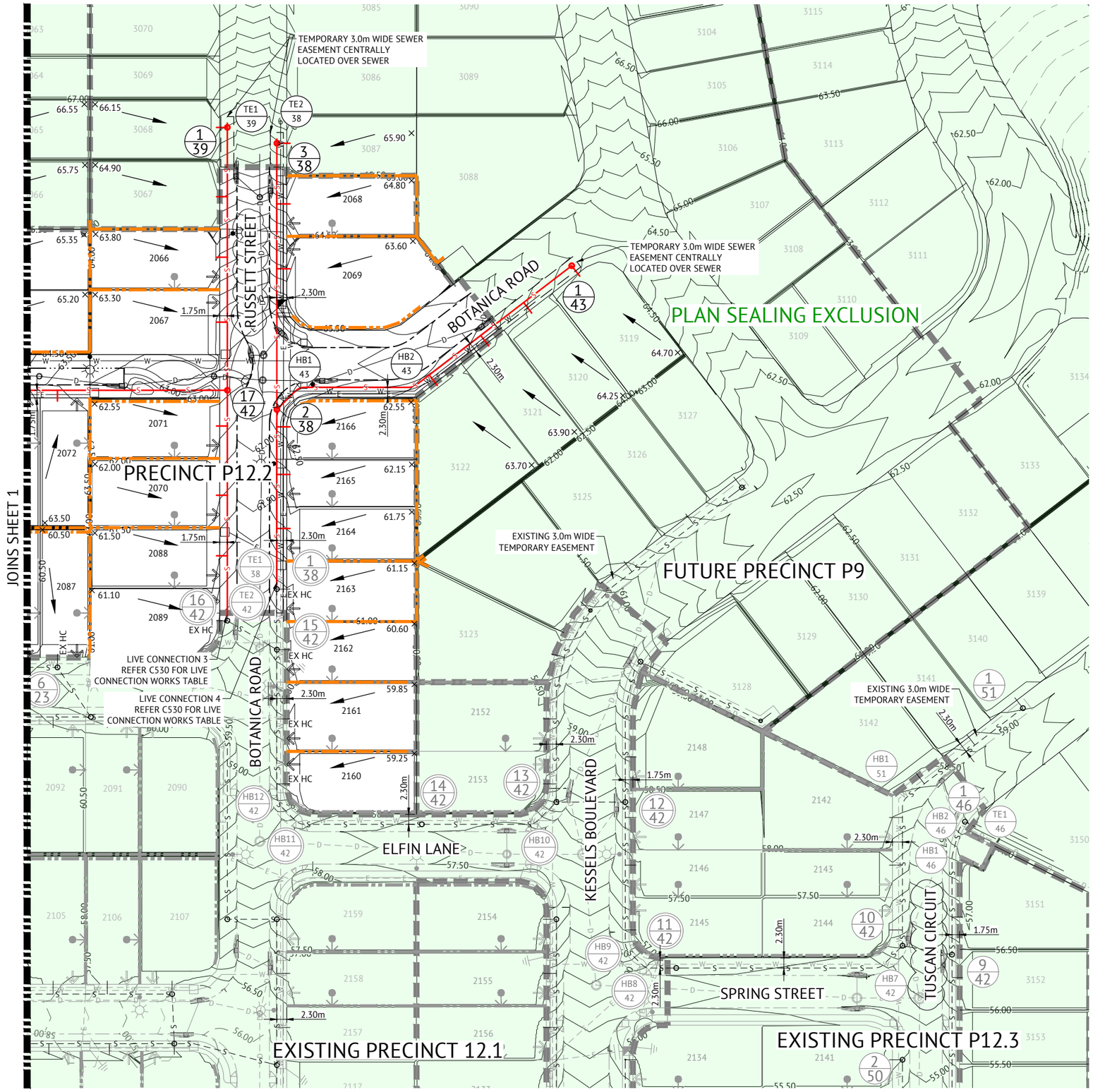
WEB: www.premise.com.au

DESIGNED A LANGDON
CHECKED M MAZNER
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 GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE LAYOUT PLAN - SHEET 1

JOB CODE MIR012-02
SHEET NUMBER C510
REV C



LEGEND - PROPOSED

- GRAVITY SEWER
- Ø100mm PROPERTY CONNECTION. 7.5m OFFSET FROM SIDE BDY WITH DWAY. 1.2m OFFSET FROM SIDE BDY WITHOUT DWAY. TYPICAL U.N.O.
- MAINTENANCE STRUCTURE
- PROPOSED MAINTENANCE HOLE OR MAINTENANCE SHAFT NUMBER. REFER LONG SECTION DRAWINGS FOR STRUCTURE DETAILS.
- HORIZONTAL BEND (3m RADIUS).
- LOT NUMBER
- STORMWATER DRAINAGE
- DRINKING WATER MAIN
- ELECTRICAL (PROPOSED)
- FINISHED CONTOURS (0.50m)
- ZERO LOT LINE
- FUTURE DRIVEWAY LOCATION
- PROPOSED RETAINING WALL
- PROPOSED CONCRETE FOOTPATH & KERB RAMP
- STAGE BOUNDARY

LEGEND - EXISTING

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

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.

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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.

EXISTING HOUSE CONNECTION DETAILS

LOT #	INVERT LEVEL	DEPTH
2089	59.384	1.250
2160	57.745	1.250
2161	58.430	1.250
2162	59.116	1.250
2163	59.669	1.250

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
24/02/2021	D	AMENDED ROAD NAMES	KK	PB
02/10/2020	C	AMENDED FOOTPATH AND KERB RAMPS ALIGNMENT	KK	PB
20/08/2020	B	ADDED TEMPORARY SEWER EASEMENTS TO SEWER OUTSIDE OF PRECINCT BOUNDARY	MM	PB
27/07/20	A	ORIGINAL ISSUE	AL	PB

REVISIONS

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DESIGNED A LANGDON
CHECKED M MAZNER
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 GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE LAYOUT PLAN - SHEET 2

JOB CODE MIR012-02
SHEET NUMBER C511
REV D

MAINTENANCE HOLE / SHAFT NO.: TE1/24, HB1/24, HB2/24, 4/24, 5/24, HB3/24, HB4/24, 6/24, HB5/24, 7/24, HB6/24, 8/24, TE2/24 | 5/24, 1/26 | 4/24, 1/27 | TE1/28, 1/28

MH / MS COVER TYPE: B, B, B, B, B | B, B | B, B | B

MH / MS TYPE: EX. TE, HTP, HB, HTP, HTP, HB, HTP, A, A, HTP, HB, HTP, HTP, HB, HTP, J, HTP, HB, HTP, A, HTP, HB, HTP, A, TE | A, A | A, J | EX. TE, J

MH DROP TYPE: W, V, V, V, V, V, V, V | V, V | W, V | V

LINE NO.: 27, 24, 26, 24, 24, 29, 24, 30, 24, 24 | 26, 24 | 27, 24 | 28

LOT NO.	2047	2048	2049	2050	2051	2054	2055	3001
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	67.094	67.296	67.463	67.630	67.835	67.876	67.968	68.066
PROPERTY CONNECTION TYPE	B	B	B	B	B	B	B	B

LOT NO.	2046	2045	2044	2043	2042	2041	2014
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	65.251	66.140	66.857	67.574	68.245	68.704	68.993
PROPERTY CONNECTION TYPE	B	B	B	B	B	B	B

LOT NO.	2039	2040	2015	2016
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	65.258	66.110	66.912	67.715
PROPERTY CONNECTION TYPE	B	B	B	B

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)
HTP	HORIZONTAL BEND TANGENT POINT

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

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

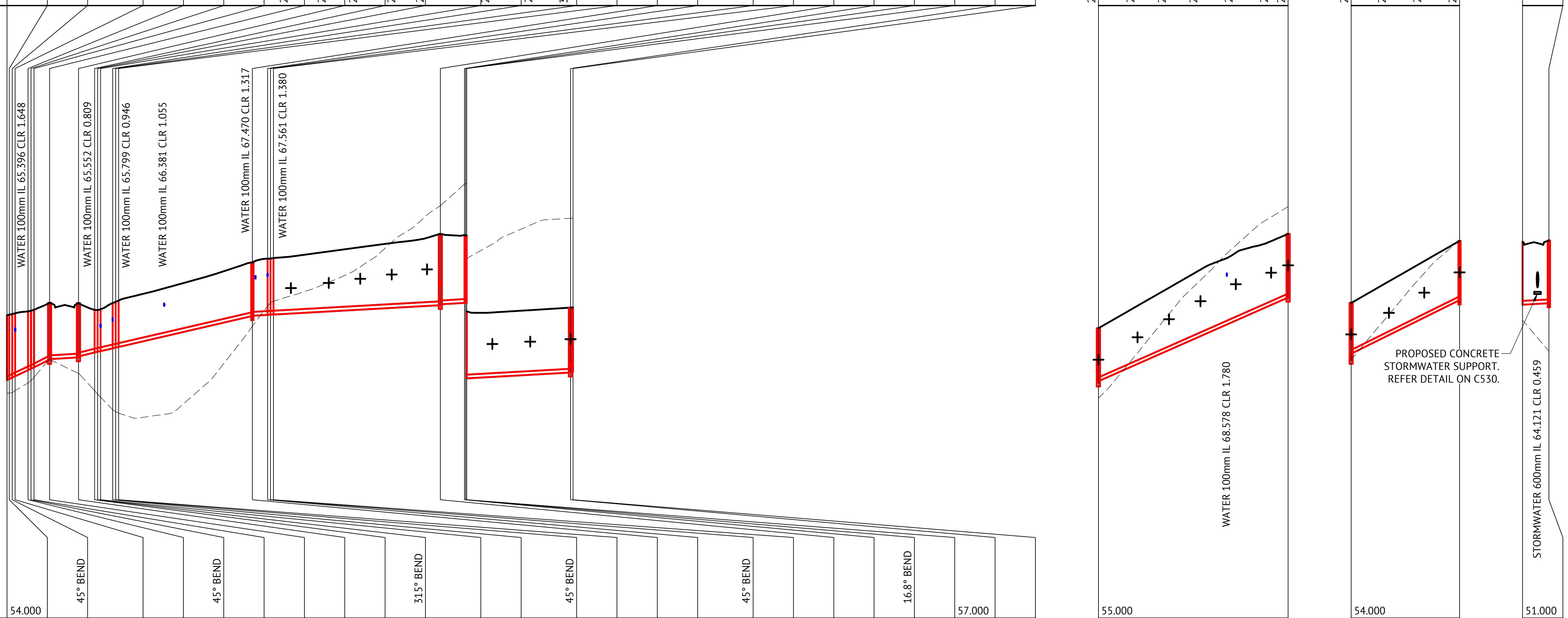
PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

NOTES:

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

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

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



LINE 24

DATUM RL 54.000 / 57.000 · PROPERTY DESCRIPTION: RR · PIPE SIZE (mm), CLASS: DN150 uPVC SN8 · EMBEDMENT TYPE: TYPE 3

GRADE (1 IN X)	21	21	21	21	21	21	21	180	43	43	43	43	43	43	43	180	180	180	180	180	180	180	180	143
LENGTH	0.900	1.178	1.178	5.122	1.178	1.178	6.178	11.450	6.406	1.178	1.178	4.800	1.178	1.178	53.055	6.042	1.178	1.178	66.206	9.577	0.440	0.440	41.164	1.000

CHAINAGE (CH)	DEPTH OF INVERT BELOW FSL	INVERT LEVEL (IL)	FINISHED SURFACE LEVEL (FSL)	EXISTING SURFACE LEVEL (ESL)
0.000	2.570	63.442	66.013	62.934
TP 0.900	2.551	63.485	66.036	62.929
IP 2.078	2.523	63.540	66.064	62.950
TP 3.256	2.498	63.596	66.094	63.023
TP 8.378	2.336	63.836	66.172	63.331
IP 9.556	2.304	63.892	66.195	63.424
TP 10.734	2.287	63.947	66.234	63.553
16.913	2.271 / 2.231	64.237 / 64.277	66.508	64.267
28.363	2.160 / 2.110	64.341 / 64.391	66.501	63.719
TP 34.769	1.692	64.539	66.231	63.027
IP 35.947	1.656	64.566	66.222	62.894
TP 37.125	1.659	64.593	66.252	62.765
TP 41.924	1.796	64.703	66.499	62.273
IP 43.103	1.813	64.731	66.543	62.188
TP 44.281	1.841	64.758	66.599	62.133
97.336	2.134 / 2.114	65.978 / 65.998	68.112	65.589
TP 103.378	2.230	66.031	68.261	66.380
IP 104.556	2.225	66.038	68.263	66.509
TP 105.734	2.235	66.045	68.280	66.576
171.940	2.828 / 2.788	66.412 / 66.452	69.241	70.362
TP 181.517	2.690	66.506	69.196	71.212
IP 181.958	2.678	66.508	69.187	71.243
TP 182.398	2.662	66.510	69.172	71.270
223.563	2.577 / 2.557	66.739 / 66.759	69.316	72.863
224.563	2.556	66.766	69.322	72.869

LINE 26

DATUM RL 55.000 · RR · DN150 uPVC SN8 · GRADE 23 · LENGTH 75.250 · TYPE 3

CHAINAGE (CH)	DEPTH OF INVERT BELOW FSL	INVERT LEVEL (IL)	FSL	ESL
0.000	2.160 / 2.080	64.341 / 64.421	66.501	63.719
75.250	2.543	67.700	70.243	71.321

LINE 27

DATUM RL 54.000 · RR · DN150 uPVC SN8 · GRADE 21 · LENGTH 43.000 · TYPE 3

CHAINAGE (CH)	DEPTH OF INVERT BELOW FSL	INVERT LEVEL (IL)	FSL	ESL
0.000	2.271 / 1.994	64.237 / 64.515	66.508	64.267
43.000	2.365	66.600	68.965	68.986

LINE 28

DATUM RL 51.000 · RR · DN150 uPVC SN8 · GRADE 180 · LENGTH 10.450 · TYPE 3

CHAINAGE (CH)	DEPTH OF INVERT BELOW FSL	INVERT LEVEL (IL)	FSL	ESL
0.000	2.497	63.434	65.931	62.821
10.450	2.494	63.492	65.986	61.589

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
20/08/2020	PB	ADDED CLEAREANCES TO SERVICE CROSSING TEXTS AND ADDED SHAFT SIZE TO TYPE J MS	KK	PB
27/07/20	A	ORIGINAL ISSUE	AL	PB

REVISIONS

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WEB: www.premise.com.au

DESIGNED A LANGDON
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE LONG SECTIONS - SHEET 1
JOB CODE MIR012-02
SHEET NUMBER C520
REV B

SEWERAGE LONG SECTIONS - SHEET 2

Line 28

MAINTENANCE HOLE / SHAFT NO.	1/28					2/28				3/28	TE2/28
MH / MS COVER TYPE	B					B				B	
MH / MS TYPE	J					A				J	TE
MH DROP TYPE	V					V V				V	
LINE NO.	28					31 28				28 28	
PROPERTY CONNECTION DEPTH		1.250	1.250	1.500	1.250	1.250	1.250	1.250	1.250		
PROPERTY CONNECTION INVERT LEVEL		65.234	65.580	66.100	66.978	67.529	68.009	68.426	68.843		
PROPERTY CONNECTION TYPE		B	B	B	B	B	B	B	B		
LOT NO.		2079	2078	2061	2060	3043	3042	3041	3040		

	1/28	2/28	3/28	TE2/28
DATUM RL	52.000	57.000		
PROPERTY DESCRIPTION	RR			
PIPE SIZE (mm), CLASS	DN150 uPVC SN8			
GRADE (1 IN X)	40	21	77	
LENGTH	98.022	39.000	1.000	
EMBEDMENT TYPE	TYPE 3			
DEPTH OF INVERT BELOW FSL	2.494 / 2.474	2.846 / 2.826	2.262 / 2.242	2.262
INVERT LEVEL (IL)	63.492 / 63.512	65.933 / 65.953	67.831 / 67.851	67.864
FINISHED SURFACE LEVEL (FSL)	65.986	68.779	70.093	70.126
EXISTING SURFACE LEVEL (ESL)	61.589	68.271	73.341	73.446
CHAINAGE (CH)	10.450	108.472	147.472	148.472

Line 29

MAINTENANCE HOLE / SHAFT NO.	7/24		E/29
MH / MS COVER TYPE	B		
MH / MS TYPE	A		END
MH DROP TYPE	V V		
LINE NO.	29 24		
PROPERTY CONNECTION DEPTH		1.250	1.250
PROPERTY CONNECTION INVERT LEVEL		68.298	68.592
PROPERTY CONNECTION TYPE		B	B
LOT NO.		2052	2053
DATUM RL	56.000		
PROPERTY DESCRIPTION	RR		
PIPE SIZE (mm), CLASS	DN150 uPVC SN8		
GRADE (1 IN X)	26		
LENGTH	15.450		
EMBEDMENT TYPE	TYPE 3		
DEPTH OF INVERT BELOW FSL	2.828 / 2.028		2.044
INVERT LEVEL (IL)	66.412 / 67.212		67.797
FINISHED SURFACE LEVEL (FSL)	69.241		69.842
EXISTING SURFACE LEVEL (ESL)	70.362		71.513
CHAINAGE (CH)	0.000		15.450

Line 30

MAINTENANCE HOLE / SHAFT NO.	8/24	TE1/30
MH / MS COVER TYPE	B	
MH / MS TYPE	A	TE
MH DROP TYPE	V V	
LINE NO.	30 24 30	
DATUM RL	57.000	
PROPERTY DESCRIPTION	RR	
PIPE SIZE (mm), CLASS	DN150 uPVC SN8	
GRADE (1 IN X)	100	
LENGTH	1.000	
EMBEDMENT TYPE	TYPE 3	
DEPTH OF INVERT BELOW FSL	2.577 / 2.343	2.278
INVERT LEVEL (IL)	66.739 / 66.973	66.983
FINISHED SURFACE LEVEL (FSL)	69.316	69.261
EXISTING SURFACE LEVEL (ESL)	72.863	72.891
CHAINAGE (CH)	0.000	1.000

Line 31

MAINTENANCE HOLE / SHAFT NO.	2/28	1/31	2/31	TE1/31
MH / MS COVER TYPE	B	B	B	
MH / MS TYPE	A	A	J	TE
MH DROP TYPE	V V	V V	V	
LINE NO.	31 28	32 31	31 31	
PROPERTY CONNECTION DEPTH			1.250	
PROPERTY CONNECTION INVERT LEVEL			68.853	
PROPERTY CONNECTION TYPE			B	
LOT NO.			3025	
DATUM RL	57.000			
PROPERTY DESCRIPTION	RR			
PIPE SIZE (mm), CLASS	DN150 uPVC SN8			
GRADE (1 IN X)	180	26	57	
LENGTH	11.938	35.871	1.000	
EMBEDMENT TYPE	TYPE 3			
DEPTH OF INVERT BELOW FSL	2.846 / 2.766	2.767 / 2.727	2.585 / 2.565	2.581
INVERT LEVEL (IL)	65.933 / 66.013	66.080 / 66.120	67.518 / 67.538	67.555
FINISHED SURFACE LEVEL (FSL)	68.779	68.847	70.103	70.136
EXISTING SURFACE LEVEL (ESL)	68.271	69.087	73.439	73.541
CHAINAGE (CH)	0.000	11.938	47.809	48.809

Line 32

MAINTENANCE HOLE / SHAFT NO.	1/31		HB1/32		1/32
MH / MS COVER TYPE	B				B
MH / MS TYPE	A	HTP	HB	HTP	J
MH DROP TYPE	V V				
LINE NO.	32 31				
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250	
PROPERTY CONNECTION INVERT LEVEL	67.067	67.260	67.448	67.635	
PROPERTY CONNECTION TYPE	B	B	B	B	
LOT NO.	2059	2058	2057	2056	
DATUM RL	56.000				
PROPERTY DESCRIPTION	RR				
PIPE SIZE (mm), CLASS	DN150 uPVC SN8				
GRADE (1 IN X)	80	80	80	80	
LENGTH	6.364	1.178	1.178	47.178	
EMBEDMENT TYPE	TYPE 3				
DEPTH OF INVERT BELOW FSL	2.767 / 2.687	2.160	2.083	2.037	2.026
INVERT LEVEL (IL)	66.080 / 66.160	66.239	66.254	66.269	66.858
FINISHED SURFACE LEVEL (FSL)	68.847	68.399	68.337	68.305	68.885
EXISTING SURFACE LEVEL (ESL)	69.087	68.476	68.402	68.397	70.154
CHAINAGE (CH)	0.000	TP 6.364	IP 7.542	TP 8.721	55.899

Line 38

MAINTENANCE HOLE / SHAFT NO.	TE1/38				2/38				3/38	TE2/38
MH / MS COVER TYPE					B				B	
MH / MS TYPE	EX. TE				A				J	TE
MH DROP TYPE					V V				Z	
LINE NO.					43 38				38 38	
PROPERTY CONNECTION DEPTH		1.250	1.250	1.250		1.450	1.400	1.500		
PROPERTY CONNECTION INVERT LEVEL		60.186	60.636	61.032		62.211	63.440	64.441		
PROPERTY CONNECTION TYPE		B	B	B		B	B	B		
LOT NO.		2164	2165	2166		2069	2068	3087		

	TE1/38	2/38	3/38	TE2/38
DATUM RL	48.000	53.000		
PROPERTY DESCRIPTION	RR			
PIPE SIZE (mm), CLASS	DN150 uPVC SN8			
GRADE (1 IN X)	25	19	21	
LENGTH	40.480	61.543	1.000	
EMBEDMENT TYPE	TYPE 3			
DEPTH OF INVERT BELOW FSL	2.610	2.476 / 2.402	2.683 / 1.933	1.963
INVERT LEVEL (IL)	58.348	59.983 / 60.058	63.258 / 64.008	64.056
FINISHED SURFACE LEVEL (FSL)	60.957	62.459	65.941	66.019
EXISTING SURFACE LEVEL (ESL)	58.117	62.570	70.576	70.708
CHAINAGE (CH)	0.000	40.480	102.024	103.024

LINE: 28 | 29 | 30 | 31 | 32 | 38

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)
HTP	HORIZONTAL BEND TANGENT POINT

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

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

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

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

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

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
20/08/2020	B	ADDED CLEAREANCES TO SERVICE CROSSING TEXTS AND ADDED SHAFT SIZE TO TYPE J MS	KK	PB
27/07/20	A	ORIGINAL ISSUE	AL	PB

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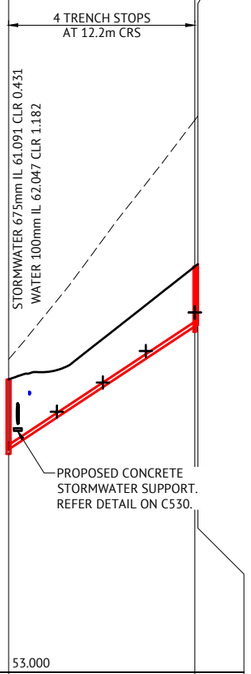
CHECKED: M MAJZNER
PROJECT MANAGER: R LLEWELYN
PROJECT DIRECTOR: PAT BRADY RPEQ 7112

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

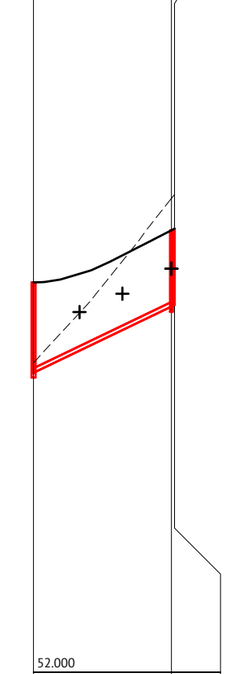
CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: SEWERAGE LONG SECTIONS - SHEET 2

JOB CODE: MIR012-02
SHEET NUMBER: C521
REV: B

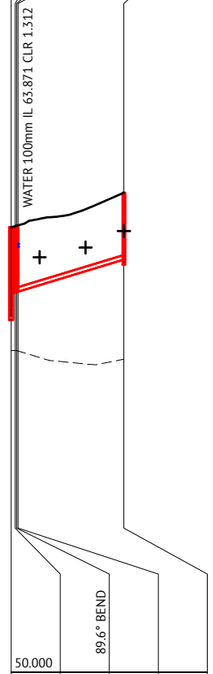
MAINTENANCE HOLE / SHAFT NO.	17/42				1/39	TE1/39
MH / MS COVER TYPE	B				B	
MH / MS TYPE	A				J	TE
MH DROP TYPE	V	V			V	
LINE NO.	39	42			39	39
PROPERTY CONNECTION DEPTH		1.395	1.423	1.499	**1.500**	
PROPERTY CONNECTION INVERT LEVEL		61.455	62.446	63.471	64.728	
PROPERTY CONNECTION TYPE		A	A	A	**B**	
LOT NO.		2067	2066	3067	**3068**	
DATUM RL	53.000					
PROPERTY DESCRIPTION	RR					
PIPE SIZE (mm), CLASS	DN150 uPVC SN8					
GRADE (1 IN X)	15				21	
LENGTH	60.750				1.000	
EMBEDMENT TYPE	TYPE 3					
DEPTH OF INVERT BELOW FSL	2.280	2.250			1.970	1.950	1.980
INVERT LEVEL (IL)	60.268	60.298			64.257	64.277	64.326
FINISHED SURFACE LEVEL (FSL)	62.547				66.228		66.306
EXISTING SURFACE LEVEL (ESL)	63.201				71.005		71.137
CHAINAGE (CH)	-0.550				**60.200**		**61.200**



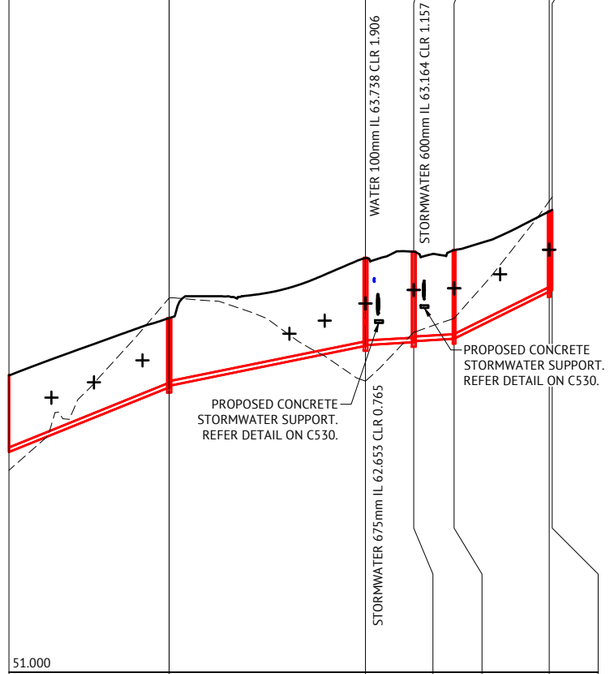
MAINTENANCE HOLE / SHAFT NO.	19/42			1/40	TE1/40
MH / MS COVER TYPE	B			B	
MH / MS TYPE	A			J	TE
MH DROP TYPE	V	V		V	
LINE NO.	40	42		40	40
PROPERTY CONNECTION DEPTH		1.250	1.250	**1.250**	
PROPERTY CONNECTION INVERT LEVEL		63.741	64.341	**65.158**	
PROPERTY CONNECTION TYPE		B	B	**B**	
LOT NO.		2064	3066	**3065**	
DATUM RL	52.000				
PROPERTY DESCRIPTION	RR				
PIPE SIZE (mm), CLASS	DN150 uPVC SN8				
GRADE (1 IN X)	21			21	
LENGTH	45.000			1.000	
EMBEDMENT TYPE	TYPE 3				
DEPTH OF INVERT BELOW FSL	2.957	2.927		2.503	2.483	2.485
INVERT LEVEL (IL)	61.756	61.786		63.906	63.926	63.974
FINISHED SURFACE LEVEL (FSL)	64.713			66.408		66.460
EXISTING SURFACE LEVEL (ESL)	62.089			67.449		67.575
CHAINAGE (CH)	0.000			**45.000**		**46.000**



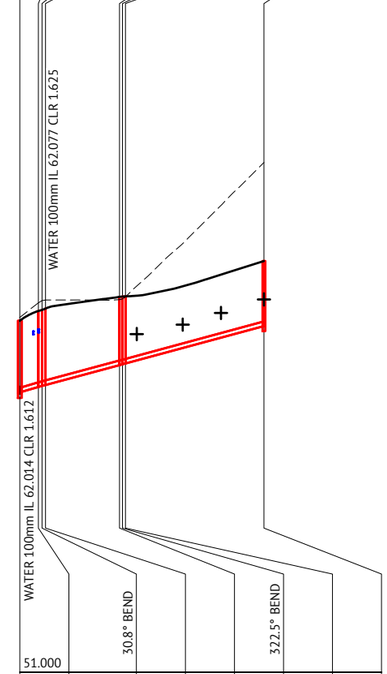
MAINTENANCE HOLE / SHAFT NO.	18/42		HB1/41		1/41
MH / MS COVER TYPE	B				B
MH / MS TYPE	A	HTP	HB	HTP	J
MH DROP TYPE	Y	V			
LINE NO.	41	42			
PROPERTY CONNECTION DEPTH		1.250	1.250	1.250	
PROPERTY CONNECTION INVERT LEVEL		63.531	63.847	64.384	
PROPERTY CONNECTION TYPE		B	B	B	
LOT NO.		2075	2076	2077	
DATUM RL	50.000				
PROPERTY DESCRIPTION	RR				
PIPE SIZE (mm), CLASS	DN150 uPVC SN8				
GRADE (1 IN X)	33	33	33	33	
LENGTH	1.313	0.470	0.469	34.527	
EMBEDMENT TYPE		TYPE 3			
DEPTH OF INVERT BELOW FSL	2.882	2.171	2.164	2.163	2.162	2.192
INVERT LEVEL (IL)	61.629	62.339	62.378	62.393	62.407	63.442
FINISHED SURFACE LEVEL (FSL)	64.510	64.543		64.556	64.569	65.634
EXISTING SURFACE LEVEL (ESL)	60.491	60.489		60.485	60.474	60.205
CHAINAGE (CH)	0.000	TP **1.313**		IP **1.782**	TP **2.252**	**36.779**



MAINTENANCE HOLE / SHAFT NO.	TE2/42	17/42			18/42	19/42	20/42	21/42	TE3/42
MH / MS COVER TYPE		B			B	B	B	B	
MH / MS TYPE	EX. TE	A			A	A	J	J	TE
MH DROP TYPE	V	V		Y	V	V	V	V	
LINE NO.	39	42		41	42	40	42	42	42	42
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250		1.500	1.500	1.486	**1.250**	**1.250**	1.250	**1.250**	
PROPERTY CONNECTION INVERT LEVEL	59.951	60.451	61.020		62.035	62.462	**63.024**	**63.463**	**63.516**	63.975	**64.773**	
PROPERTY CONNECTION TYPE	B	B	B		B	B	**B**	**D**	**B**	B	**B**	
LOT NO.	2088	2070	2071		2072	2073	**2074**	**2065**	**2063**	2062	**3044**	
DATUM RL	51.000											
PROPERTY DESCRIPTION	RR											
PIPE SIZE (mm), CLASS	DN150 uPVC SN8											
GRADE (1 IN X)	25	50			180		180	21	22			
LENGTH	52.250	64.050			15.750		13.166	31.000	1.000			
EMBEDMENT TYPE		TYPE 3										
DEPTH OF INVERT BELOW FSL	2.496	2.280	2.200		2.882	2.842	2.957	2.917	2.896	2.876	2.631	2.611	2.617
INVERT LEVEL (IL)	58.178	60.268	60.348		61.629	61.669	61.756	61.796	61.869	61.889	63.393	63.413	63.458
FINISHED SURFACE LEVEL (FSL)	60.674	62.547			64.510		64.713	64.766			66.023		66.074
EXISTING SURFACE LEVEL (ESL)	57.584	63.201			60.491		62.089	62.541			66.358		66.499
CHAINAGE (CH)	0.000	**52.250**			**116.300**		**132.050**	**145.216**			**176.216**		**177.216**



MAINTENANCE HOLE / SHAFT NO.	2/38	HB1/43				HB2/43		1/43
MH / MS COVER TYPE	B							B
MH / MS TYPE	A	HTP	HB	HTP	HTP	HB	HTP	J
MH DROP TYPE	V	V						
LINE NO.	43	38						
PROPERTY CONNECTION DEPTH		1.250	1.250	1.250	1.250			
PROPERTY CONNECTION INVERT LEVEL		62.025	62.332	62.713	63.155			
PROPERTY CONNECTION TYPE		B	B	B	B			
LOT NO.		3122	3121	3120	3119			
DATUM RL	51.000							
PROPERTY DESCRIPTION	RR			RR				
PIPE SIZE (mm), CLASS	DN150 uPVC SN8			DN150 uPVC SN8				
GRADE (1 IN X)	37	37	37	37	37	37	37	
LENGTH	6.042	1.178	1.178	24.108	0.981	0.981	45.156	
EMBEDMENT TYPE		TYPE 3			TYPE 3			
DEPTH OF INVERT BELOW FSL	2.476	2.320	2.475	2.476	2.491	2.224	2.211	2.191	2.127
INVERT LEVEL (IL)	59.983	60.139	60.302	60.333	60.365	61.013	61.039	61.066	62.279
FINISHED SURFACE LEVEL (FSL)	62.459	62.777		62.809	62.857	63.237	63.250	63.256	64.405
EXISTING SURFACE LEVEL (ESL)	62.570	63.045		63.115	63.135	63.148	63.173	63.239	67.619
CHAINAGE (CH)	0.000	TP **6.042**		IP **7.220**	TP **8.398**	TP **32.506**	IP **33.488**	TP **34.469**	**79.625**



LINE 39 40 41 42 43

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)
HTP	HORIZONTAL BEND TANGENT POINT

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

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

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

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

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

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
20/08/2020	PB	ADDED CLEAREANCES TO SERVICE CROSSING TEXTS AND ADDED SHAFT SIZE TO TYPE J MS	KK	PB
27/07/20	A	ORIGINAL ISSUE	AL	PB

REVISIONS

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DESIGNED A LANGDON
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE LONG SECTIONS - SHEET 3

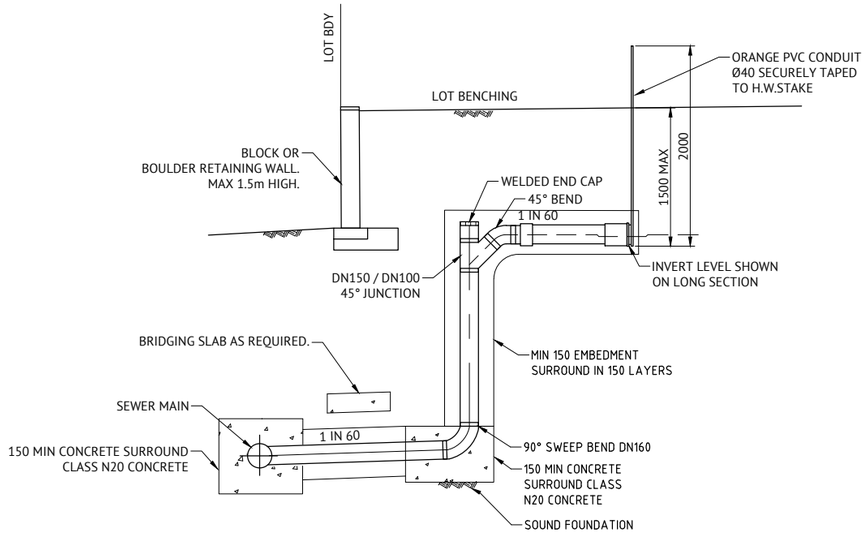
JOB CODE MIR012-02
SHEET NUMBER C522
REV B

LIVE SEWER WORKS

No.	DESCRIPTION	DIA. SEWER	MH NO.	MH TYPE	COVER TYPE	LOT NO.	F.S.L.	E.S.L.	I.L.	DEPTH
1(A) 1(B)	0.5m FROM STUB END CAP TE1/24, CONSTRUCTOR TO LAY NEW LINE 24. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 24 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/24	END	-	2039	66.013	66.013	63.442	2.570
2(A) 2(B)	0.5m FROM STUB END CAP TE1/28, CONSTRUCTOR TO LAY NEW LINE 28. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 28 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/28	END	-	2039	65.931	65.931	63.434	2.497
3(A) 3(B)	0.5m FROM STUB END CAP TE2/42, CONSTRUCTOR TO LAY NEW LINE 42. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 42 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE2/42	END	-	2089	60.674	60.674	58.178	2.496
4(A) 4(B)	0.5m FROM STUB END CAP TE1/38, CONSTRUCTOR TO LAY NEW LINE 38. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 38 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/38	END	-	2163	60.957	60.957	58.348	2.610

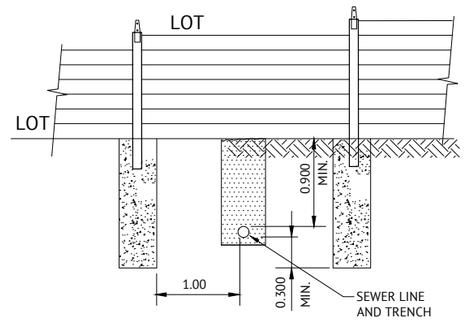
LEVELS IN THE LIVE SEWER TABLE ARE DESIGN LEVELS.
AS CONSTRUCTED INFORMATION TO BE ADDED WHEN AVAILABLE.

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.



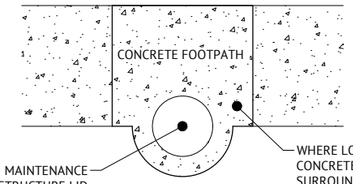
EXTENDED PROPERTY CONNECTION UNDER RETAINING WALL - TYPE D (E)

NTS



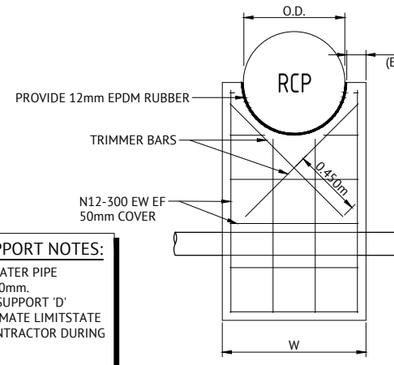
SEWER LINE CROSSING CONCRETE SLEEPER RETAINING WALL BRIDGING SLAB DETAIL

NTS

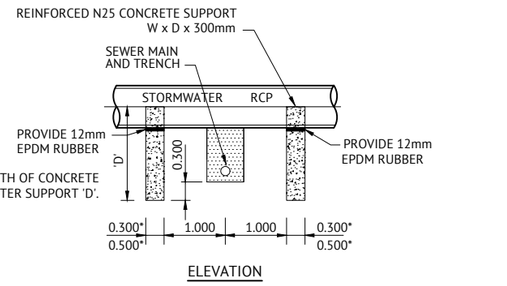


TYPICAL MAINTENANCE STRUCTURE IN CONCRETE FOOTPATH DETAIL

NTS



SECTION



ELEVATION

CONCRETE STORMWATER SUPPORT TYPICAL DETAIL

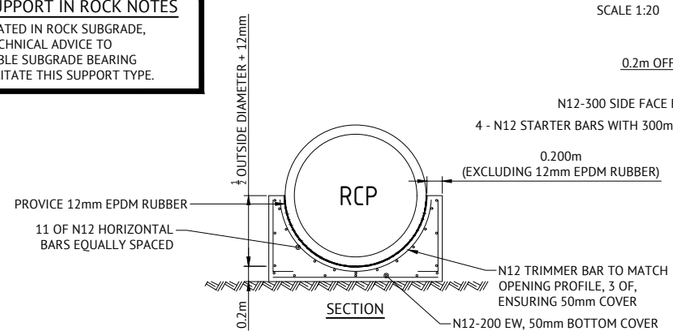
SCALE 1:20

GENERAL CONCRETE STORMWATER SUPPORT NOTES:

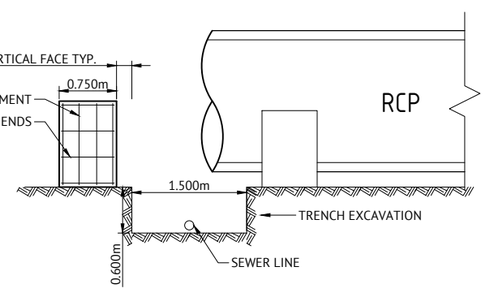
1. SUPPORTS TO BE INSTALLED WHERE STORMWATER PIPE DIAMETER IS EQUAL TO OR GREATER THAN 600mm.
2. 3m MAX DEPTH OF CONCRETE STORMWATER SUPPORT 'D'
3. DESIGN BASED ON ACHIEVING 100kPa OF ULTIMATE LIMITSTATE BEARING CAPACITY. TO BE CONFIRMED BY CONTRACTOR DURING CONSTRUCTION.
4. 0.300m* WIDTH UP TO 1050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

CONCRETE STORMWATER SUPPORT IN ROCK NOTES

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



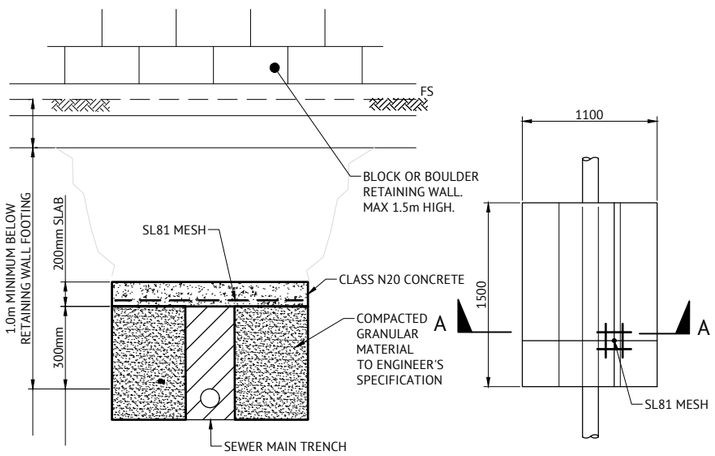
SECTION



ELEVATION

CONCRETE STORMWATER SUPPORT IN ROCK SUBGRADE DETAIL

SCALE 1:40



SECTION A-A PLAN

SERVICE LINE CROSSING BOULDER OR BLOCK RETAINING WALL BRIDGING SLAB DETAIL

NTS

STRUCTURAL DETAILS APPROVED DATE
B. Hooper
BRIONY HOOPER RPEQ 10854

FOR CONSTRUCTION

DATE	REV	DESCRIPTION		
27/07/20	A	ORIGINAL ISSUE	AL	PB

REVISIONS

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WEB: www.premise.com.au

DESIGNED A LANGDON
CHECKED M MAIZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112
SCALE
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE SEWERAGE NOTES AND DETAILS

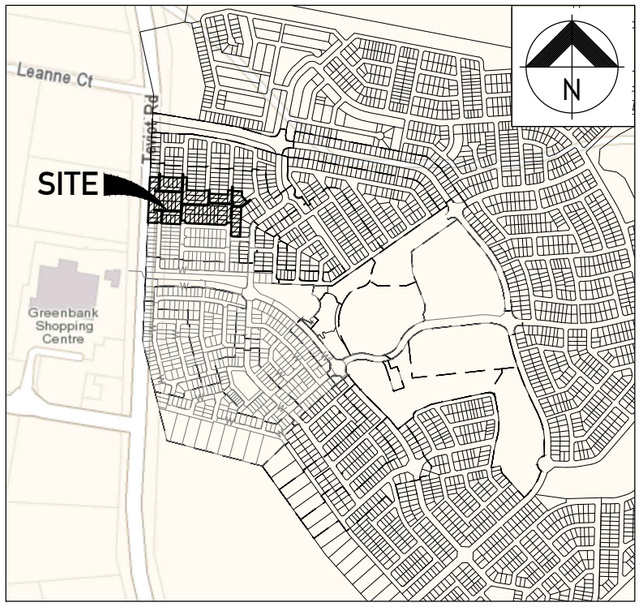
JOB CODE MIR012-02
SHEET NUMBER C530
REV A

EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC GROUP

WATER RETICULATION



LOCALITY PLAN

REAL PROPERTY DESCRIPTION

LOT 205 & 434 on RP845844
LOT 9 on S312355

SHEET LIST TABLE	
SHEET NO.	SHEET TITLE
C600	WATER RETICULATION LOCALITY PLAN & NOTES
C610	WATER RETICULATION LAYOUT PLAN - SHEET 1
C611	WATER RETICULATION LAYOUT PLAN - SHEET 2

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
4. COVER OF MAIN FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
5. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
6. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH SEQ-SP's ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY SEQ-SP's
7. ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS. WHERE POSSIBLE
8. CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
9. ALL WATER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH & SAFETY FOR INFORMATION. PHONE: 1300 362 128.
10. CONSTRUCT THRUST BLOCKS ON ALL BENDS, TEES, TAPERS AND DEAD ENDS IN ACCORDANCE WITH SEQ-WAT-1205-1, AND SEQ-WAT-1206-1.
11. CONSTRUCT TRENCHES IN ACCORDANCE WITH SEQ-WAT-1200-2, PIPE EMBEDMENT TO SEQ-WAT-1201-1 (TYPE C SUPPORT) AND ROAD CROSSINGS TO SEQ-WAT-1204-1 AND LCC STANDARDS.
12. INSTALL SCOURS IN ACCORDANCE WITH SEQ-WAT-1307-3.
13. INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES.
14. INSTALL HYDRANTS IN ACCORDANCE WITH SEQ-WAT-1302-1, SEQ-WAT-1303-1
15. INSTALL PAVEMENT MARKERS IN ACCORDANCE WITH SEQ-WAT-1300-1 & 2.

VEGETATION PROTECTION

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

SOIL

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

CREEK CROSSINGS

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

REHABILITATION

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

CONSTRUCTION REQUIREMENTS

1. LIVE WATER CONNECTIONS TO BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH A VALID NETWORK ACCESS PERMIT UNDER LOGAN WATER SUPERVISION AT DEVELOPERS EXPENSE AT LOCATION MARKED.
2. PRIOR TO ANY EXCAVATION, CONTRACTOR IS TO LOCATE ACTUAL POSITIONS OF PUBLIC SERVICE UTILITIES BY POT HOLES.
3. UPON COMPLETION OF ALL WORKS, CONTRACTORS SHALL SUPPLY THE SUPERVISING RPEQ DETAILED "AS CONSTRUCTED" INFORMATION OF THE WORK. "AS CONSTRUCTED" INFORMATION SHALL COMPLY WITH CURRENT SEQ CODE OR LOCAL AUTHORITY STANDARDS FOR PLAN AND DIGITAL INFORMATION.
4. CONTRACTOR IS TO BE RESPONSIBLE FOR ARRANGING ALL LOGAN WATER CONNECTIONS AND PAYMENTS OF CONNECTION FEES.

TRENCH SPOIL NOTE:

SPOILAGE OF EXCESS MATERIAL TO BE PLACED 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

Premise

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
27/07/20	A	ORIGINAL ISSUE	KK	PB

REVISIONS

Premise
BRISBANE OFFICE
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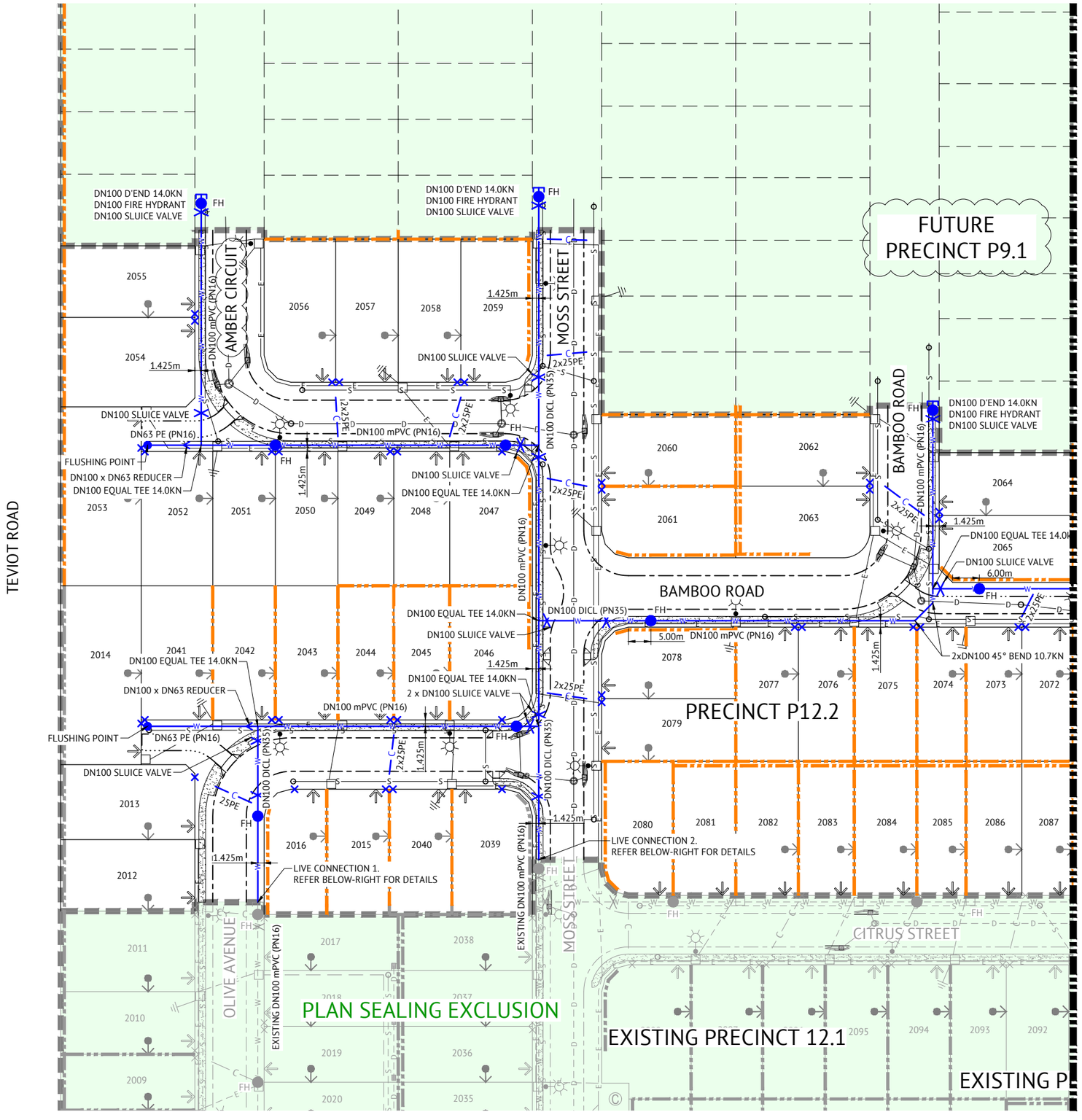
WEB: www.premise.com.au

DESIGNED K KIWANG
CHECKED M MAJZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE WATER RETICULATION LOCALITY PLAN & NOTES

JOB CODE MIR012-02
SHEET NUMBER C600
REV A



NEW DN100 mPVC MAIN
DN100 GIBAULT TEMP DN100 HYDRANT 'B' RISER WITH FL-SO 90° BEND
NEW DN150 mPVC MAIN
DN100 GIBAULT EXISTING DEAD END TO BE REMOVED
EXISTING DN100 HYDRANT
EXISTING DN100 mPVC MAIN
EXISTING DN100 SLUICE VALVE
EXISTING DN150 mPVC MAIN
PROPOSED WORKS
3m LIVE WORKS
EXISTING MAIN

CONNECTION 3

LIVE CONNECTION DETAIL

SCALE 1:25

NEW DN150 mPVC MAIN
DN150 GIBAULT TEMP DN150 HYDRANT 'B' RISER WITH FL-SO 90° BEND
NEW DN150 mPVC MAIN
DN150 GIBAULT EXISTING DEAD END TO BE REMOVED
EXISTING DN150 HYDRANT
EXISTING DN150 mPVC MAIN
EXISTING DN150 SLUICE VALVE
EXISTING DN150 mPVC MAIN
PROPOSED WORKS
3m LIVE WORKS
EXISTING MAIN

CONNECTION 2

LIVE CONNECTION DETAIL

SCALE 1:25

LIVE CONNECTION NOTES:

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

LEGEND - PROPOSED

- POTABLE WATERMAIN
- DN25 PE — POTABLE WATER RETICULATION CONDUIT
- WATER SERVICES & WATER METER BOX POINT. METER BY OTHERS
- SLUICE VALVE
- FH — FIRE HYDRANT
- TEST POINT
- REDUCER
- FLUSHING POINT
- DEAD END
- DEFLECTION — TRUNCATIONS 5 DEGREES OR LESS
- 38 — LOT NUMBER
- D — STORMWATER
- S — GRAVITY SEWER
- RM — SEWER RISING MAIN
- E — ELECTRICITY
- ZERO LOT BOUNDARY
- PREFERRED DRIVEWAY LOCATION (BY OTHERS)
- SITE BOUNDARY
- PROPOSED RETAINING WALL
- PMT — PAD MOUNTED TRANSFORMER

LEGEND - EXISTING

- WATER
- SLUICE VALVE
- FH — 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 — DATE:
NAME of SIGNATORY
RPEQ No. or LICENCE
COMPANY NAME
START DATE

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
25/02/2021	B	AMENDED ROAD NAME	KK	PB
27/07/20	A	ORIGINAL ISSUE	KK	PB

REVISIONS

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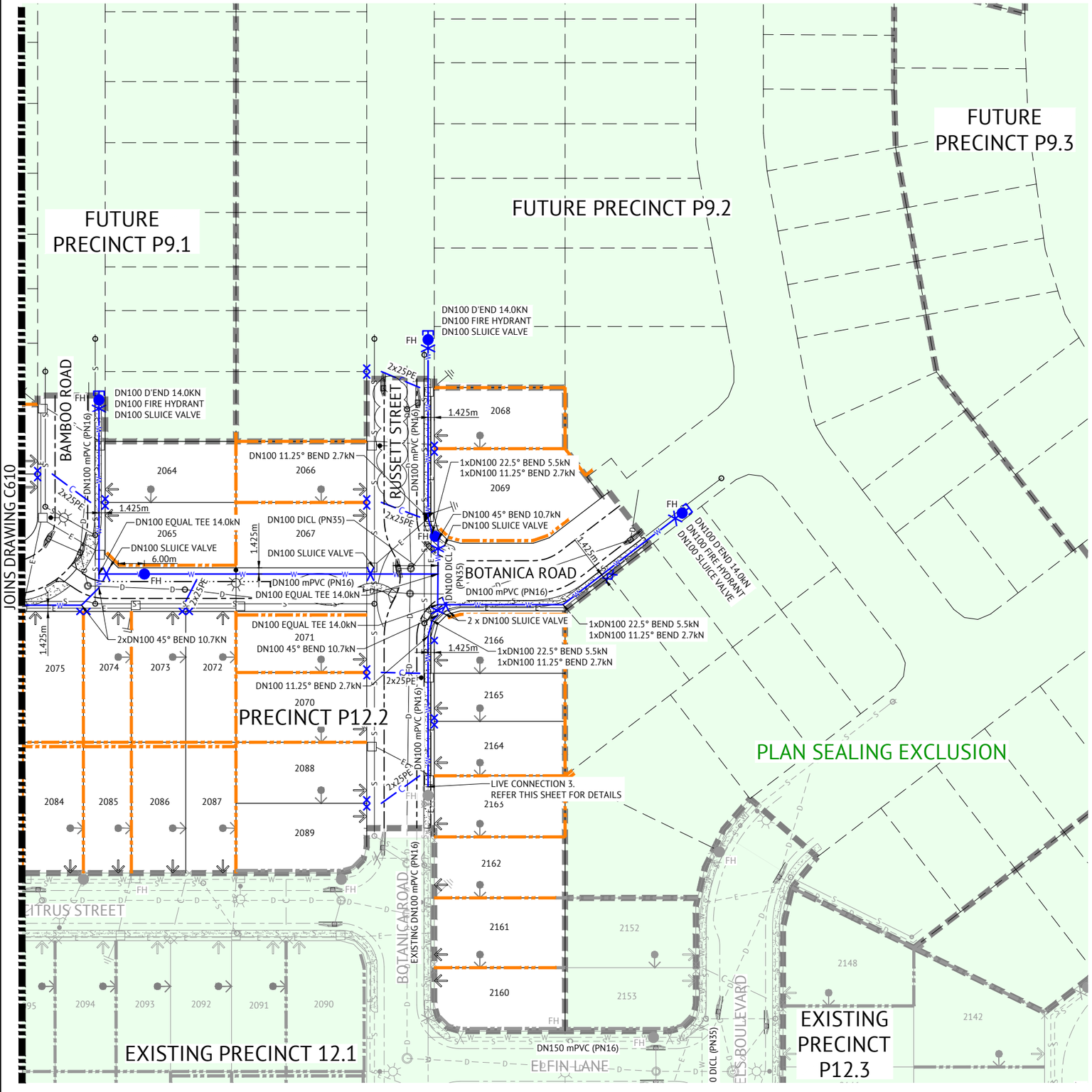
PO BOX 361
FORTITUDE VALLEY, QLD 4006
PH: (07) 3253 2222
WEB: www.premise.com.au

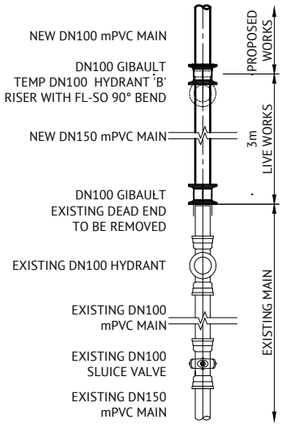
DESIGNED K KIWANG
CHECKED M MAJZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
0 10 20 30m
SCALE 1:500 (A1)
0 0.5 1.0 1.5m
SCALE 1:25 (A1)
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: WATER RETICULATION LAYOUT PLAN - SHEET 1

JOB CODE: MIR012-02
SHEET NUMBER: C610
REV: B





CONNECTION 3

LIVE CONNECTION DETAIL

SCALE 1:25

LIVE CONNECTION NOTES:

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

LEGEND - PROPOSED

W	POTABLE WATERMAIN
DN25 PE C C C	POTABLE WATER RETICULATION CONDUIT
	WATER SERVICES & WATER METER BOX POINT. METER BY OTHERS
W	SLUICE VALVE
FH W	FIRE HYDRANT
W	TEST POINT
W	REDUCER
W	FLUSHING POINT
W	DEAD END
DEFLECTION	TRUNCATIONS 5 DEGREES OR LESS
38	LOT NUMBER
D	STORMWATER
S	GRAVITY SEWER
RM	SEWER RISING MAIN
E	ELECTRICITY
	ZERO LOT BOUNDARY
	PREFERRED DRIVEWAY LOCATION (BY OTHERS)
	SITE BOUNDARY
	PROPOSED RETAINING WALL
PMT	PAD MOUNTED TRANSFORMER

LEGEND - EXISTING

W W	WATER
W W	SLUICE VALVE
FH W W	FIRE HYDRANT
W W	TEST POINT
W W	SCOUR BRANCH
W W	DEAD END
	WATER METER
D D	STORMWATER
S S	GRAVITY SEWER
RM RM	SEWER RISING MAIN
E E	ELECTRICAL
T T	TELSTRA
G G	GAS

INDEMNITY - EXISTING SERVICES

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SIGNED DATE:

NAME of SIGNATORY

RPEQ No. or LICENCE

COMPANY NAME

START DATE

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
25/02/2021	C	AMENDED ROAD NAME	KK	PB
02/10/2020	B	AMENDED FOOTPATH AND KERB RAMPS ALIGNMENT	KK	PB
27/07/20	A	ORIGINAL ISSUE	KK	PB

REVISIONS

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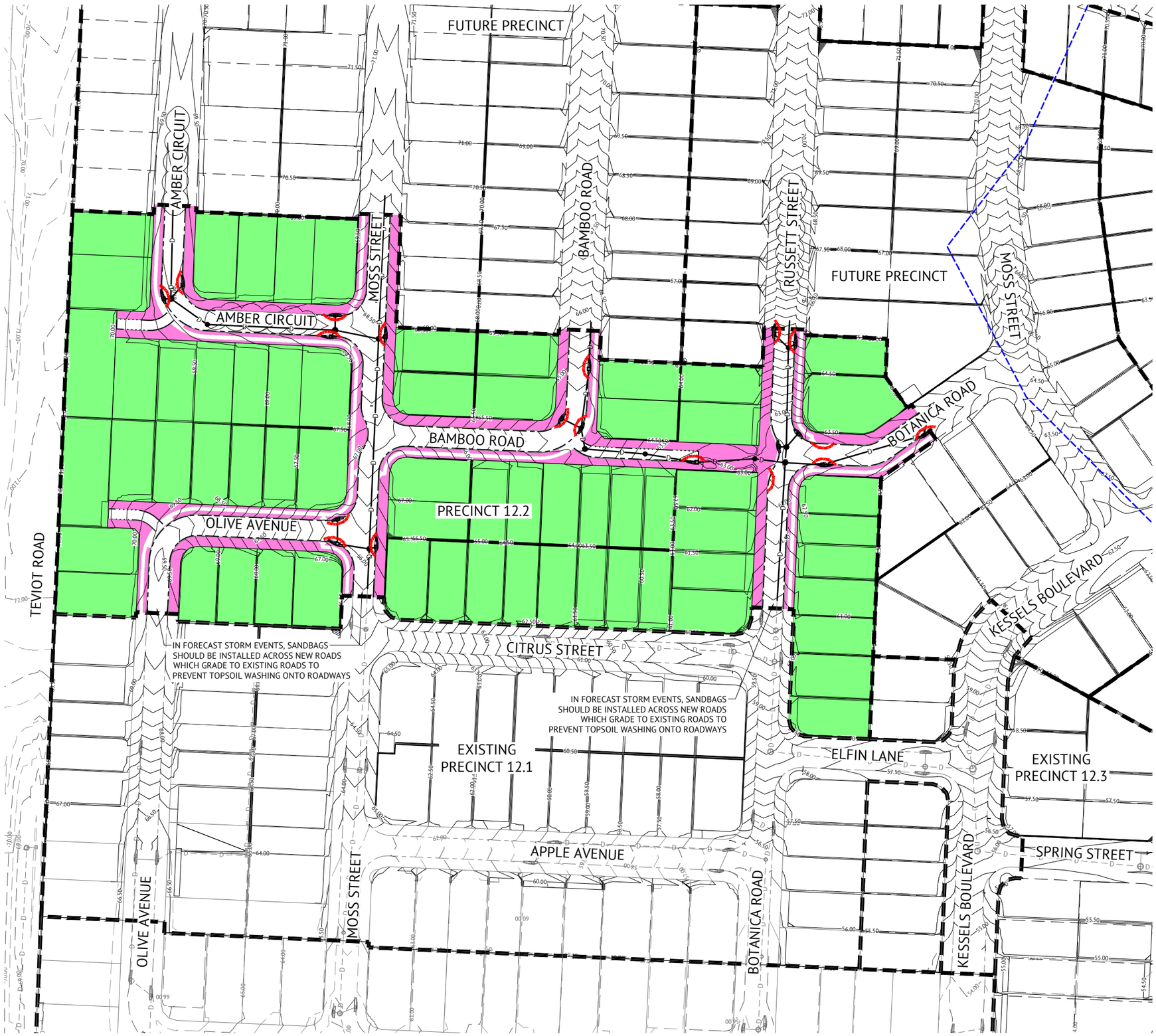
WEB: www.premise.com.au

DESIGNED K KIWANG
CHECKED M MAIZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

SCALE
0 10 20 30m
SCALE 1:500 (A1)
0 0.5 1.0 1.5m
SCALE 1:25 (A1)
ORIGINAL SHEET SIZE A1

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE WATER RETICULATION LAYOUT PLAN - SHEET 2

JOB CODE MIR012-02
SHEET NUMBER C611
REV C



LEGEND - PROPOSED

- PROPOSED STORMWATER
- GULLY INLET PROTECTION. REFER DETAIL IECA DRAWING ESC-03 FOR DETAILS.
- 100mm THICK TOPSOIL RESPREAD AND DRILL SEEDING
- 100mm THICK TOPSOIL AND TURF
- FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)

LEGEND - EXISTING

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

SERVICE TRENCH AND ROAD CONSTRUCTION SEQUENCE

STEP 1
PAVEMENT CONSTRUCTION
MAINTAIN SILT FENCES, AND CATCH DRAINS WHICH CONTROL SEDIMENTATION AND EROSION DURING PAVEMENT CONSTRUCTION.

STEP 2
MAINTENANCE PERIOD
MAINTAIN CONTROL AND ESC AND VEGETATIVE TREATMENTS WHICH CONTROL SEDIMENTATION AND EROSION PRIOR TO THE ESTABLISHMENT OF STABILIZED GRASS COVER.

STEP 3
REMOVE CONSTRUCTION ENTRANCES.

ADDITIONAL EROSION CONTROLS ARE TO BE ERECTED AND MONITORED AS REQUIRED BY THE SUPERINTENDENT

NOTES

1. REFER EROSION AND SEDIMENT CONTROL NOTES AND DETAILS DRAWINGS.
2. ALL FOOTPATHS ARE TO BE FULLY TURFED AS SOON AS PRACTICAL.
3. CONTRACTOR TO ENSURE THAT GRASS SEEDED AREAS SHOWN ON THIS PLAN ACHIEVE SUFFICIENT STRIKE AND COVERAGE IN ACCORDANCE WITH LOGAN CITY COUNCIL STANDARDS.
4. FOR STABILISATION MEASURES OF FUTURE PRECINCTS, REFER TO MIR012-01 - C730 EROSION AND SEDIMENT CONTROL LAYOUT - STABILISATION PHASE.

TURFING AND TOPSOIL NOTE

CONTRACTOR SHALL RESPREAD AMELIORATED TOPSOIL (AMELIORATION REQUIREMENTS AS DIRECTED BY SUPERINTENDENT) TO VERGES AT A THICKNESS OF 100mm. TURFING TO VERGES WITHIN PRECINCT 12.1 WORKS SHALL BE UNDERTAKEN BY THE CIVIL CONTRACTOR.

ESC RESPONSIBILITY NOTE:

THE EROSION & SEDIMENT CONTROL MANAGEMENT FOR THIS AREA SHALL BE UNDERTAKEN USING THE EXISTING HES BASIN CONSTRUCTED IN PRECINCT 1.1 AND ESC MEASURES CONSTRUCTED IN PRECINCT 12.1. THE MAINTENANCE AND OPERATION OF THE HES BASIN SHALL BE UNDERTAKEN BY THE PRINCIPAL CIVIL CONTRACTOR FOR PRECINCT 12.2. REFER TO PREMISE DRAWINGS MIR001-01 FOR AS CONSTRUCTED HES BASIN DETAILS.

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

CHRIS HUTTON CPESC NO. 6241

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
25/02/2021	B	AMENDED ROAD NAMES	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	PB

REVISIONS

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DESIGNED C HUTTON
CHECKED M MAJZNER
PROJECT MANAGER S STEINHOFER
PROJECT DIRECTOR PATRICK BRADY RPEQ 7112

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

CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE EROSION AND SEDIMENT CONTROL - STABILISATION PHASE

JOB CODE MIR012-02
SHEET NUMBER C700
REV B

EROSION & SEDIMENT CONTROL NOTES

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

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

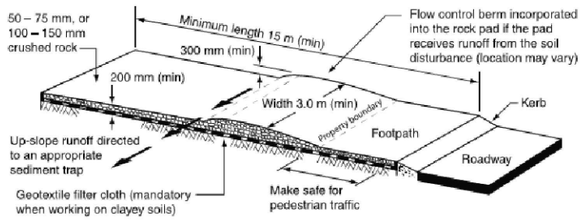
4. THE CONTRACTOR SHALL APPOINT AN APPROPRIATELY EXPERIENCED PERSON TO BE MADE RESPONSIBLE FOR IMPLEMENTATION OF THE ESC.
5. ALL ESC MEASURES SHALL BE INSPECTED:

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

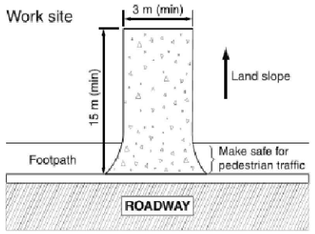
6. MAINTENANCE OF ESC MEASURES SHALL OCCUR TO ENSURE THEY ARE OPERATING EFFICIENTLY AND IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

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

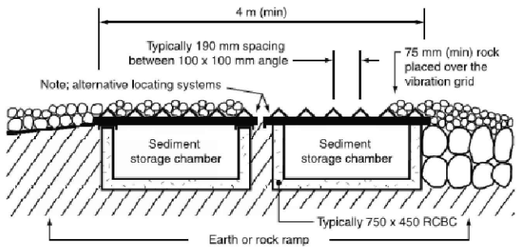
7. INSTALL DIVERSION CATCH DRAINS UPSTREAM OF, AND SILT FENCE DOWNSTREAM OF, STOCKPILES.
8. STOCKPILES ARE TO BE LOCATED AWAY FROM EROSION HAZARD AREAS SUCH AS DRAINAGE LINES AND STEEP SLOPES.
9. STOCKPILES ARE TO BE PROTECTED FROM EROSION BY THE WIND.
10. ADEQUATE SUPPLIES OF EMERGENCY MAINTENANCE MATERIALS,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



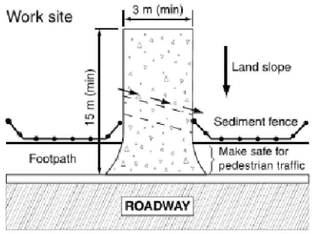
(a) Rock entry/exit pad for construction sites (refer to Standard Drawing Exit-03 for building sites)



(b) Rock pad sloping away from road



(c) Alternative low maintenance arrangement (still under development)



(d) Rock pad sloping towards the road

CONSTRUCTION ENTRANCE DETAIL

MATERIALS

COMPOSTS MUST COMPLY WITH THE REQUIREMENTS OF AS4454.

(i) WELL-DECOMPOSED 100% ORGANIC MATTER PRODUCED BY CONTROLLED AEROBIC (BIOLOGICAL) DECOMPOSITION.

(ii) MAXIMUM OF 1% OF INERT MATERIAL.

(iii) MAXIMUM SOLUBLE SALT CONCENTRATION OF 5dS/m, AND pH RANGE OF 5.0 TO 8.5.

(iv) MOISTURE CONTENT OF 30 TO 50% PRIOR TO APPLICATION.

INSTALLATION

1. REFER TO APPROVED PLANS FOR LOCATION AND EXTENT. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, EXTENT, MATERIAL TYPE, OR METHOD OF INSTALLATION CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.

2. WHEN SELECTING THE LOCATION OF A COMPOST FILTER BERM, TO THE MAXIMUM DEGREE PRACTICABLE, ENSURE THE BERM IS LOCATED:

(i) TOTALLY WITHIN THE PROPERTY BOUNDARIES;

(ii) ALONG A LINE OF CONSTANT ELEVATION (PREFERRED, BUT NOT ALWAYS PRACTICAL);

(iii) AT LEAST 1m, IDEALLY 3m, FROM THE TOE OF A FILL EMBANKMENT;

(iv) AWAY FROM AREAS OF CONCENTRATED FLOW.

3. ENSURE THE BERM IS INSTALLED IN A MANNER THAT AVOIDS THE CONCENTRATION OF FLOW ALONG THE BERM, OR THE UNDESIRABLE DISCHARGE OF WATER AROUND THE ENDS OF THE BERM.

4. ENSURE THE BERM HAS BEEN PLACED ALONG THE CONTOUR SUCH THAT WATER WILL POND EVENLY ALONG THE LENGTH OF THE BERM.

5. ENSURE BOTH ENDS OF THE BERM ARE ADEQUATELY TURNED UP THE SLOPE TO PREVENT FLOW BYPASSING PRIOR TO WATER PASSING OVER THE BERM.

6. ENSURE 100% CONTACT WITH THE SOIL SURFACE.

7. WHERE SPECIFIED, TAKE APPROPRIATE STEPS TO VEGETATE THE BERM.

MAINTENANCE

1. DURING THE CONSTRUCTION PERIOD, INSPECT THE BERM AT LEAST WEEKLY AND AFTER ANY SIGNIFICANT RAIN. MAKE NECESSARY REPAIRS IMMEDIATELY.

2. REPAIR OR REPLACE ANY DAMAGED SECTIONS.

3. WHEN MAKING REPAIRS, ALWAYS RESTORE THE SYSTEM TO ITS ORIGINAL CONFIGURATION UNLESS AN AMENDED LAYOUT IS REQUIRED OR SPECIFIED.

4. REMOVE ACCUMULATED SEDIMENT IF THE SEDIMENT DEPOSIT EXCEEDS A DEPTH OF 100mm OR 1/3 THE HEIGHT OF THE BERM.

5. DISPOSE OF SEDIMENT IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.

REMOVAL (IF REQUIRED)

1. WHEN DISTURBED AREAS UP-SLOPE OF THE BERM ARE SUFFICIENTLY STABILISED TO RESTRAIN EROSION, THE BERM MAYBE REMOVED.

2. REMOVE ANY COLLECTED SEDIMENT AND DISPOSE OF IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.

3. REHABILITATE/REVEGETATE THE DISTURBED GROUND AS NECESSARY TO MINIMISE THE EROSION HAZARD.

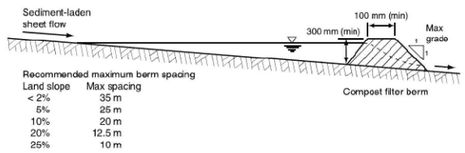


Figure 1 - Typical profile of a compost filter berm

MULCH BUND DETAIL

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

CHRIS HUTTON CPESC NO. 6241

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
20/08/2020	A	APPROVAL ISSUE	MM	PB
DD/MM/YYYY	1	PRELIMINARY - NOT FOR CONSTRUCTION	KK	PB

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DESIGNED C HUTTON
CHECKED M MAIZNER
PROJECT MANAGER R LLEWELYN
PROJECT DIRECTOR PAT BRADY RPEQ 7112

SCALE
ORIGINAL SHEET SIZE A1

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 1 OF 2

JOB CODE: MIR012-02
SHEET NUMBER: C710
REV: A

ROLES AND RESPONSIBILITIES

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

CORRECTIVE AND PREVENTATIVE ACTION

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

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

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

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

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CHRIS HUTTON CPESC NO. 6241

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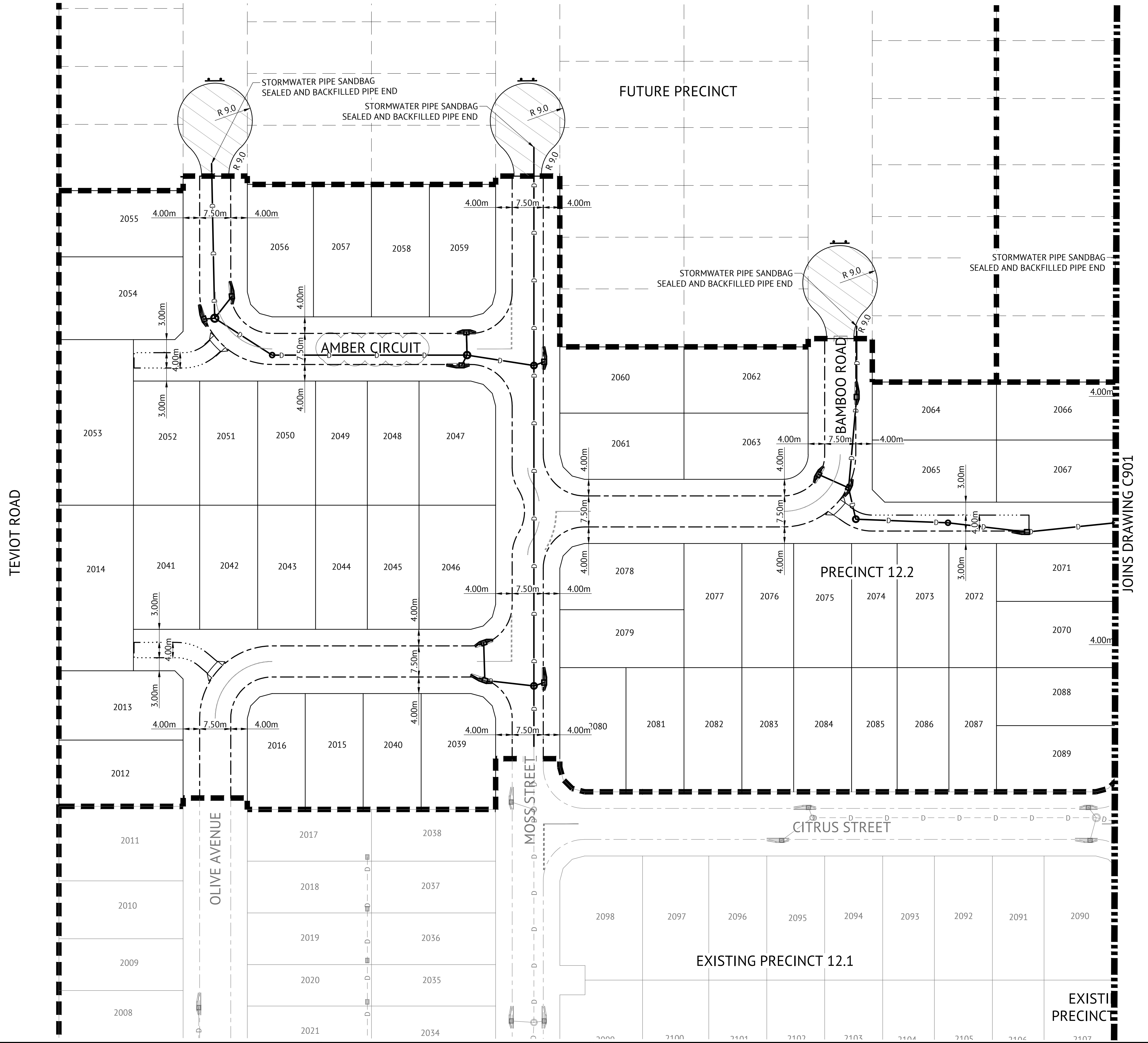
SCALE
ORIGINAL SHEET SIZE A1

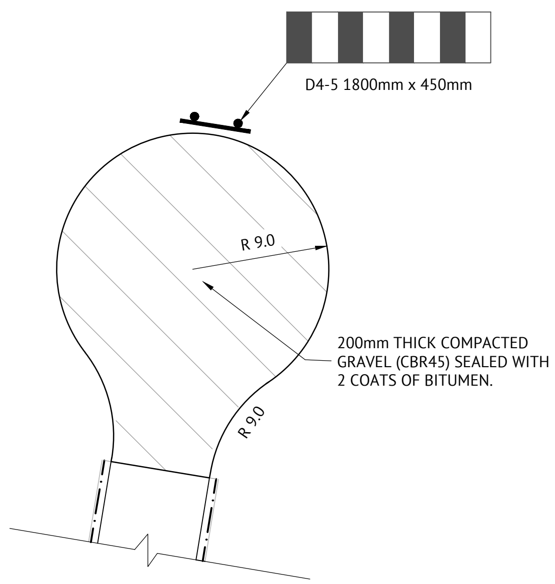
CLIENT MIRVAC GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE EROSION AND SEDIMENT CONTROL NOTES AND DETAILS - SHEET 2 OF 2

JOB CODE MIR012-02
SHEET NUMBER C711
REV A



NOTE

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



TYPICAL TEMPORARY TURN AROUND DETAIL

SCALE: 1:250

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
25/02/2021	B	AMENDED ROAD NAME	KK	PB
20/08/2020	A	APPROVAL ISSUE	MM	PB
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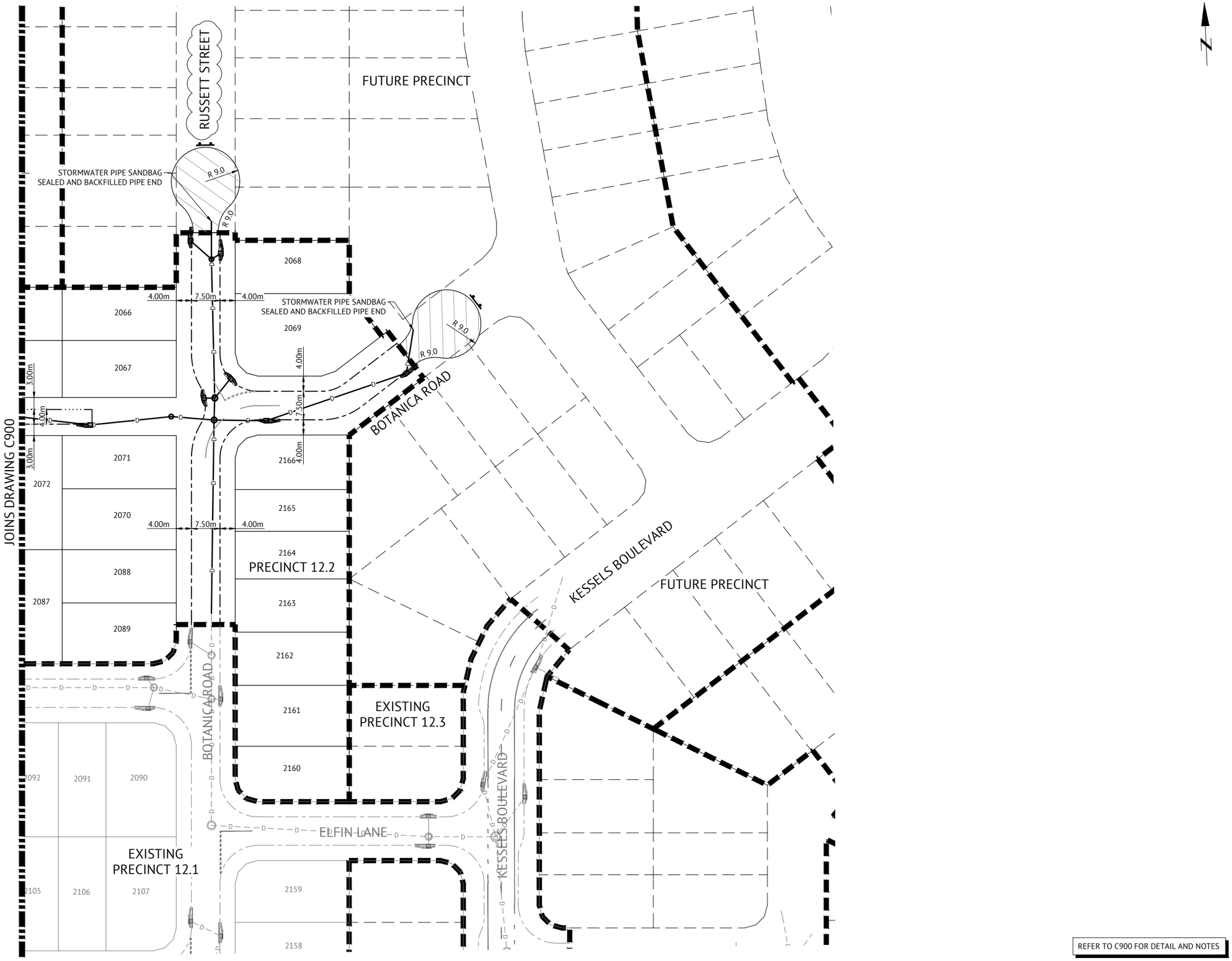
DESIGNED: K KIWANG
CHECKED: M MAJZNER
PROJECT MANAGER: S STEINHOFER
PROJECT DIRECTOR: PATRICK BRADY RPEQ 7112

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

CLIENT: MIRVAC GROUP
PROJECT: EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION: TEVIOT ROAD, GREENBANK
SHEET TITLE: TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 1 OF 2

JOB CODE: MIR012-02
SHEET NUMBER: C900
REV: B



REFER TO C900 FOR DETAIL AND NOTES

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
25/02/2021	B	AMENDED ROAD NAME	KK	PB
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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 GROUP
PROJECT EVERLEIGH PRECINCT 12.2 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE TEMPORARY WORKS - ROADWORKS AND DRAINAGE - SHEET 2 OF 2

JOB CODE MIR012-02
SHEET NUMBER C901
REV B