

EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT TEVIOT ROAD, GREENBANK FOR MIRVAC QLD PTY LTD

SHEET LIST TABLE	
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C001	COVER SHEET
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C003	OVERALL SERVICES LAYOUT
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C201	BULK EARTHWORKS LAYOUT PLAN - SHEET 2
C210	BULK EARTHWORKS NOTES AND DETAILS - SHEET 1
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C710	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
C900	TEMPORARY WORKS - ROADWORKS AND DRAINAGE LAYOUT PLAN

GENERAL NOTES

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

NOISE

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

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

PRE-CONSTRUCTION & APPROVALS

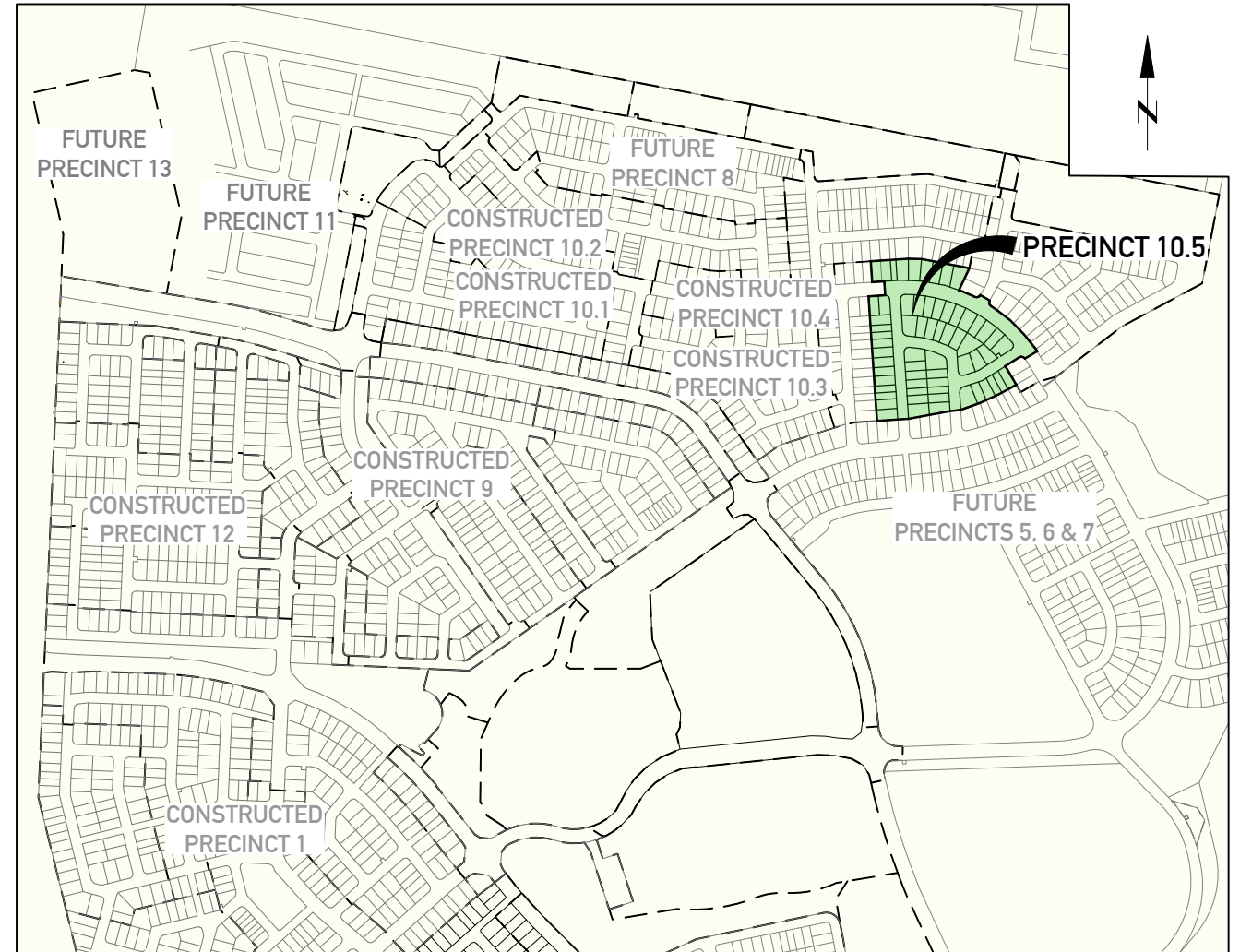
- NO LOCATING/POTHOLING OF EXISTING SERVICES HAS BEEN CARRIED OUT. THE CONTRACTOR IS TO DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING SERVICES WHICH AFFECT THE WORKS AND REPORT ANY POTENTIAL CLASHES TO THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORKS.
- THE CONTRACTOR IS RESPONSIBLE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

WORKPLACE HEALTH & SAFETY

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

SETOUT NOTES

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



LOCALITY PLAN
Scale 1:5000



FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

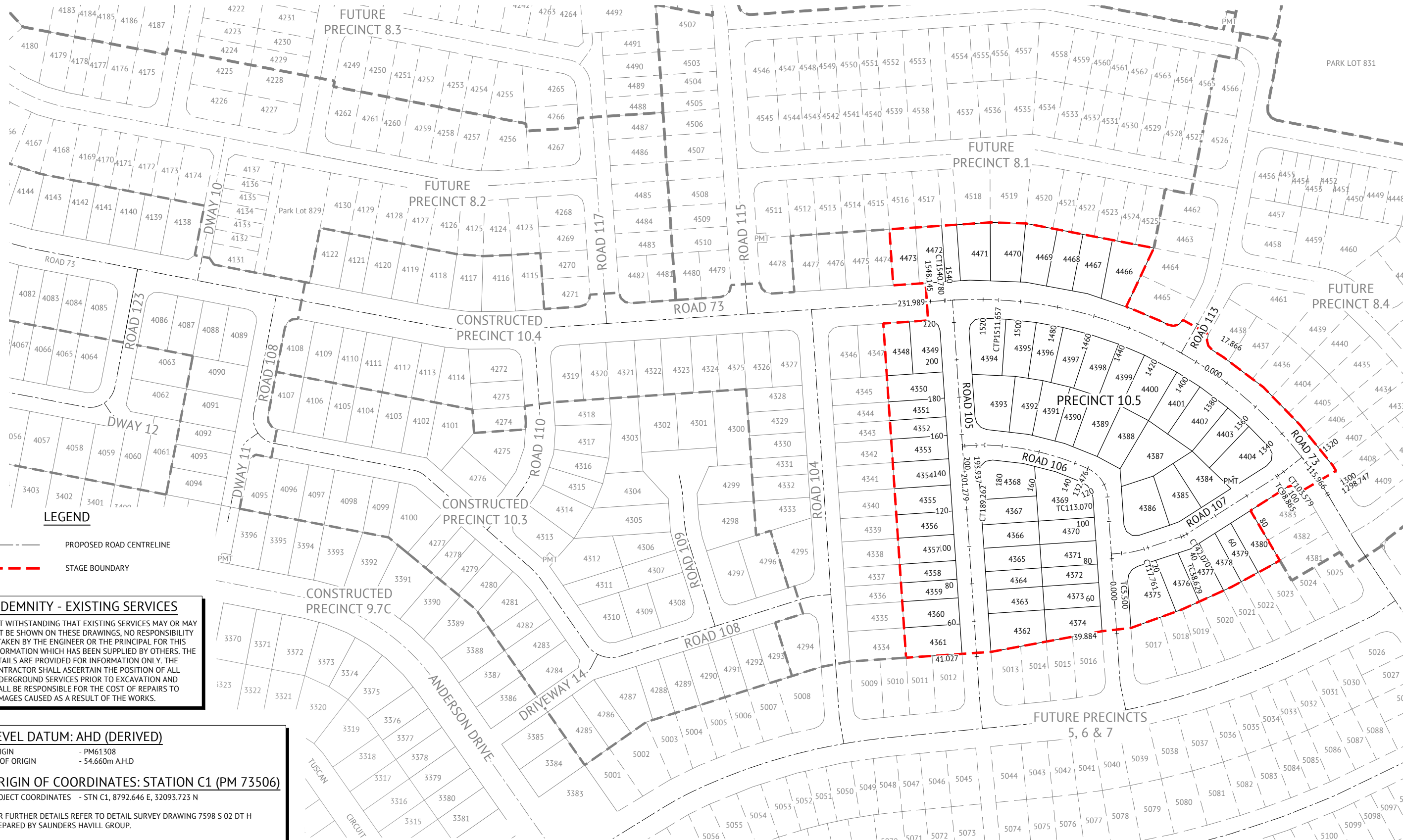
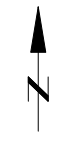
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DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
COVER SHEET

JOB CODE
MIR-1005
SHEET NUMBER
C001
REV
B



LEGEND

--- PROPOSED ROAD CENTRELINE

--- STAGE BOUNDARY

INDEMNITY - EXISTING SERVICES

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

LEVEL DATUM: AHD (DERIVED)

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

ORIGIN OF COORDINATES: STATION C1 (PM 73506)

PROJECT COORDINATES - STN C1, 8792.646 E, 32093.723 N

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

SITE AREA
 39,159m²

REAL PROPERTY DESCRIPTION
 LOT 2 on SP297192

LAYOUT PLAN
 SCALE 1:1000

FOR CONSTRUCTION

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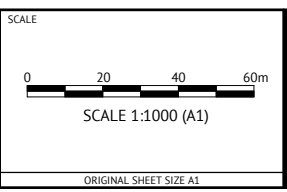
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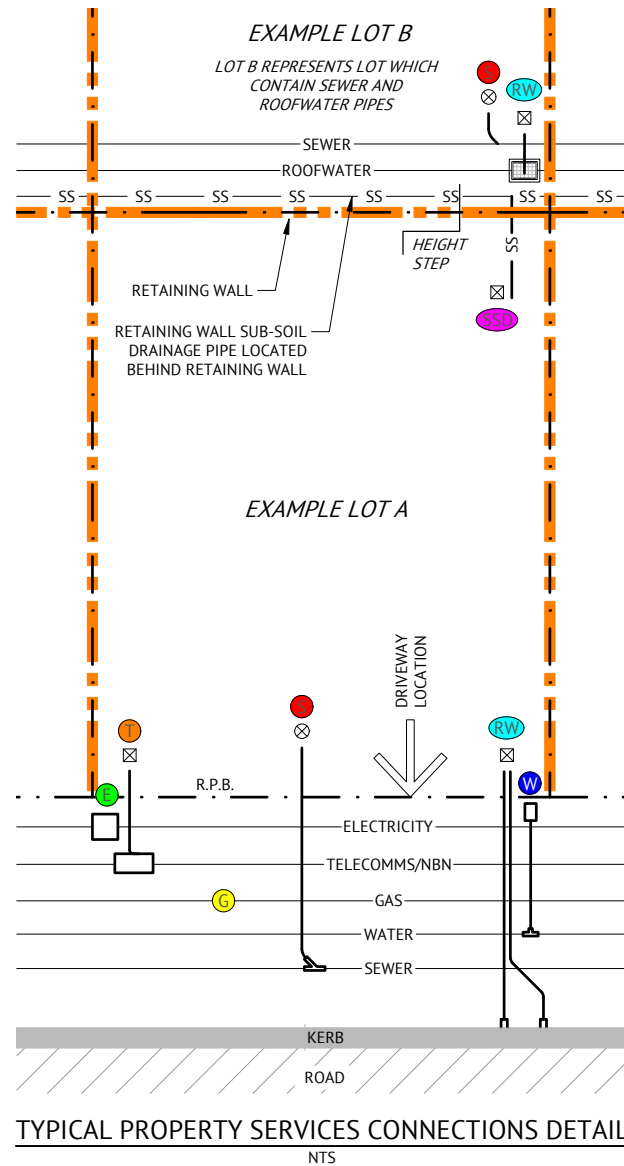
LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
SURVEY SETOUT PLAN

JOB CODE
MIR-1005

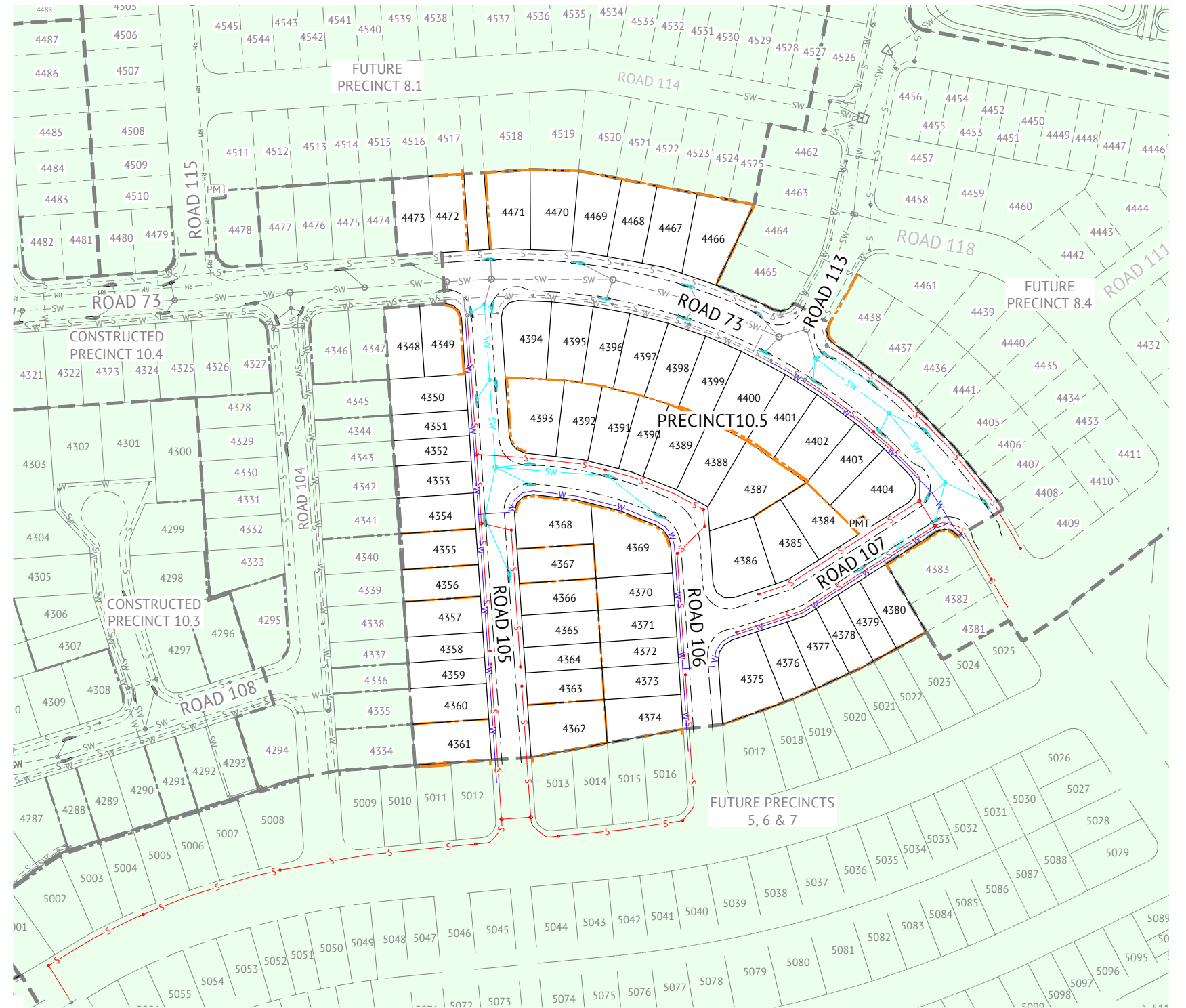
SHEET NUMBER
C002

REV
B



LEGEND - PROPERTY SERVICE CONNECTIONS

- W** **WATER** - POLY SERVICE FROM WATER MAIN, METER BOX & COVER INSTALLED. BUILDER TO MAKE APPLICATION TO LOGAN CITY COUNCIL FOR METER ASSEMBLY SUPPLY AND INSTALLATION. WHERE WATER METER IS LOCATED BEHIND RETAINING WALL, 25mm POLYPIPE WILL BE SUPPLIED UNDER WALL INTO LOT AND WILL BE MARKED WITH 900x50x25 HW STAKE LABELLED "WATER".
- **SEWER** - CAPPED Ø100 PVC PIPE (BURIED MAX 1.5m). MARKED WITH 40Ø ORANGE PVC CONDUIT SECURELY TAPED TO H.W. STAKE AT SURFACE (BURIED TO CAPPED PIPE). CONDUIT LABELLED "SEWER".
- RW** **ROOFWATER** - CONNECTION LOCATION CAN BE EITHER FRONT OF LOT VIA KERB ADAPTOR OUTLET TO ROAD, OR REAR OF LOT INTO ROOFWATER DRAINAGE PIPE VIA PIT. CAPPED PVC Ø100 PIPES (BURIED MAX 1.5m) MARKED WITH 900x50x25 HW STAKE LABELLED "ROOFWATER".
- SSD** **RETAINING WALL SUB-SOIL DRAINAGE** - OUTLET POINT TO LOT FOR RETAINING WALL SUB-SOIL DRAINAGE TO BE CONNECTED TO YARD DRAINAGE BY BUILDER. Ø100 NON-SLOTTED AGG PIPE CAPPED AND TERMINATED 200m ABOVE SURFACE. PVC DUCT TAPED TO 900x50x25 HW STAKE LABELLED "RETAINING WALL SUBSOIL OUTLET".
- T** **TELECOMMUNICATIONS/NBN** - PVC CONDUIT (BURIED APPROX 300mm), MARKED WITH 900x50x25 HW STAKE LABELLED "TELECOMMS".
- **ELECTRICITY** - ELECTRICITY PILLAR EXISTS IN ROAD VERGE. BUILDER TO MAKE APPLICATION WITH ENERGY PROVIDER FOR SERVICE INSTALLATION TO LOT. WHERE ELECTRICITY PILLAR IS LOCATED BEHIND RETAINING WALL, CONDUIT WILL BE SUPPLIED UNDER WALL INTO LOT AND WILL BE MARKED WITH 900x50x25 HW STAKE LABELLED "ELECTRICITY".
- G** **GAS** - GAS MAIN EXISTS IN ROAD VERGE. BUILDER/HOME OWNER TO MAKE APPLICATION TO GAS PROVIDER FOR SERVICE INSTALLATION TO LOT.
- **RETAINING WALL**
- ⊗** **SERVICE TERMINATION POINT MARKER, 900x50x25 HW STAKE, OR 40Ø ORANGE PVC CONDUIT STAKE**



LAYOUT PLAN
SCALE 1:1000

LEGEND - PROPOSED

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

LEGEND - CONSTRUCTED

- STORMWATER
- GRAVITY SEWER
- WATER

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TEVIOT ROAD, GREENBANK
 SHEET TITLE
OVERALL SERVICES LAYOUT

JOB CODE
MIR-1005
 SHEET NUMBER
C003
 REV
B

DESIGN HAZARD NOTES:

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

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

CONSTRUCTION HAZARD NOTES:

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

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

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

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

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

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

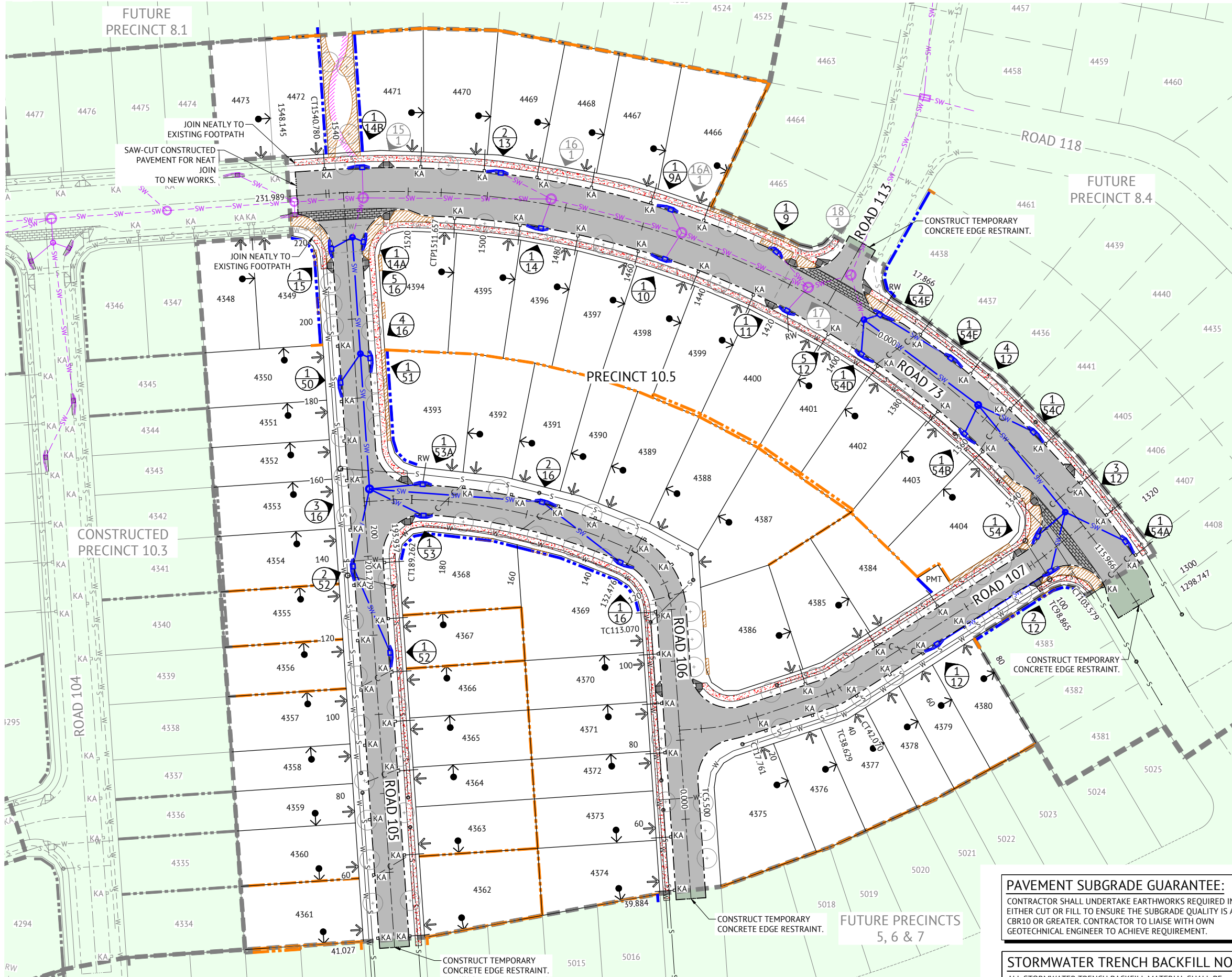
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 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
SAFETY IN DESIGN

JOB CODE
MIR-1005
 SHEET NUMBER
C004
 REV
B



LEGEND - PROPOSED

- PAVEMENT
- 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 CONCRETE LANDSCAPING FOOTPATH. REFER LANDSCAPING DRAWINGS FOR DETAILS.
- PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
- PROPOSED STORMWATER
- PROPOSED STORMWATER STRUCTURE No.
- ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C420.
- ROOFWATER DRAINAGE KERB ADAPTORS. REFER DETAIL ON DWG C420.
- PROPOSED ROOFWATER HOUSE CONNECTION (150 Ø uPVC)
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- ZERO LOT BOUNDARY
- PROPOSED DRIVEWAY LOCATION
- PROPOSED SEWER
- PROPOSED WATER
- PROPOSED WATER CONDUIT
- STAGE BOUNDARY
- DURATHEM THRESHOLD TREATMENT. REFER TO URBIS EVERLEIGH LANDSCAPE MASTERPLAN - PART B (PAGE 20) FOR COLOUR AND PATTERN.
- PROPOSED LANDSCAPING. CIVIL CONTRACTOR TO COORDINATE WITH LANDSCAPING CONTRACTOR TO CARRY OUT THEIR WORKS. REFER TO LANDSCAPE DRAWINGS FOR FURTHER DETAIL.
- TREES
- PADMOUNT TRANSFORMER

LEGEND - CONSTRUCTED

- ROOFWATER DRAINAGE KERB ADAPTORS WITH TWIN 125x75 GALVANISED RHS. REFER DETAIL ON DWG C420.
- ROOFWATER DRAINAGE KERB ADAPTORS. REFER DETAIL ON DWG C420.
- ROOFWATER HOUSE CONNECTION (150 Ø uPVC)
- STORMWATER
- SEWER
- WATER
- RETAINING WALL
- STORMWATER STRUCTURE No.

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

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

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

LAYOUT PLAN
 SCALE 1:500

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB
			REC APP

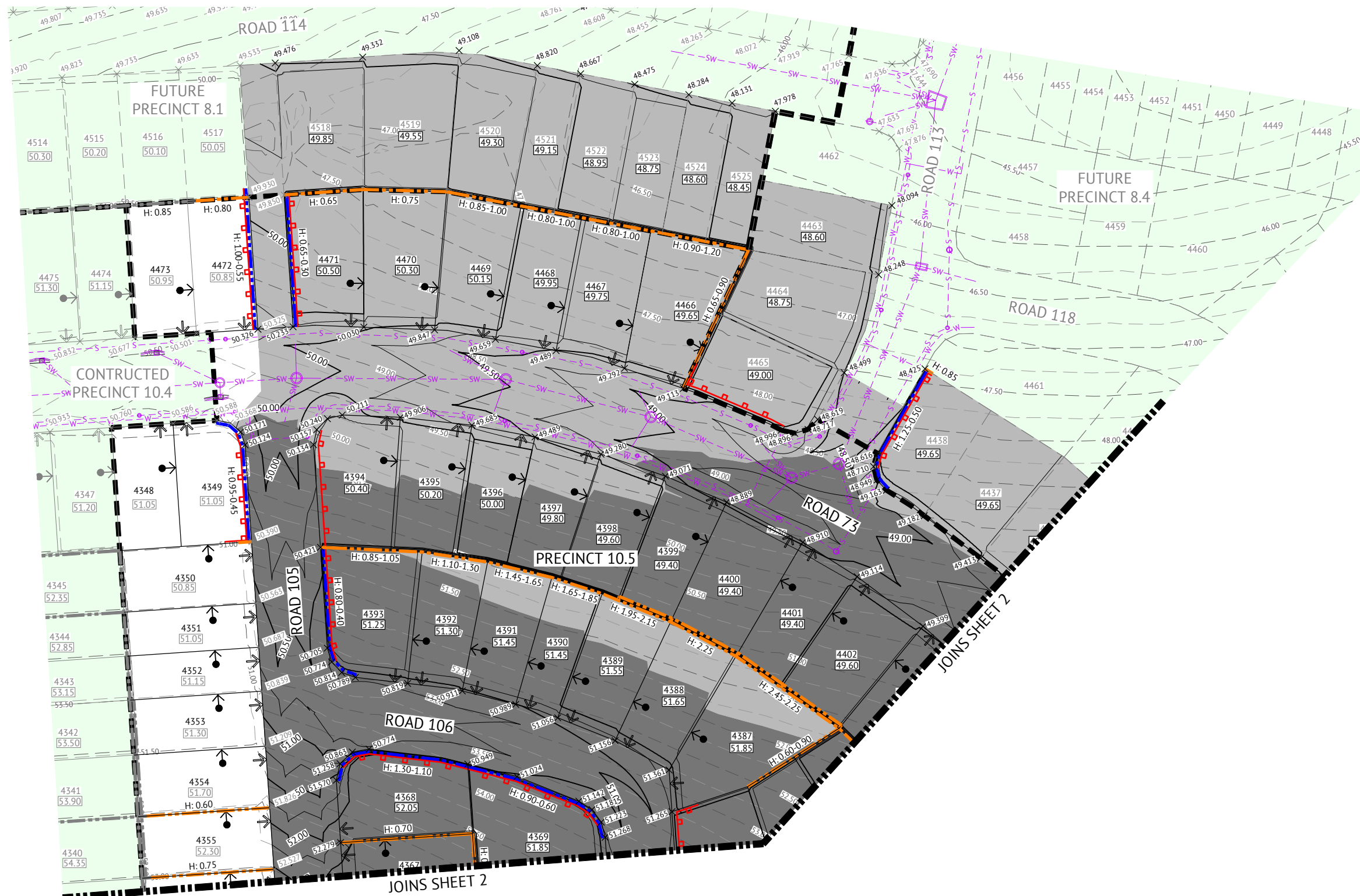
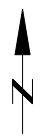
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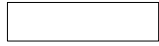


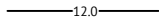










SCALE
 0 10 20 30m
 SCALE 1:500 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
ROADWORKS AND DRAINAGE LAYOUT PLAN


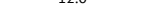



JOB CODE
MIR-1005
 SHEET NUMBER
C100
 REV
B



LEGEND - PROPOSED

-  NO CHANGES TO BULK EARTHWORKS. EARTHWORKS DONE AS PART OF PRECINCTS 9 AND 10.4 EARTHWORKS PACKAGES
-  EXTENT OF CUT
-  EXTENT OF FILL
-  12.0 FINISHED MAJOR CONTOURS (0.50m)
-  FINISHED MINOR CONTOURS (0.25m)
-  51.65 FINISHED SURFACE LEVEL
-  H:1.0 PROPOSED CONCRETE SLEEPER RETAINING WALL (AND HEIGHT). TIMBER TEXTURED SLEEPERS AND 2 COAT PAINT. DESIGN SPECIFICATION BY MANUFACTURER
-  H:1.0 PROPOSED CONCRETE PANEL RETAINING WALL (AND HEIGHT). 2 COAT TEXTURED PAINT. DESIGN SPECIFICATION BY MANUFACTURER
-  FEATURE FENCE BY LANDSCAPER
-  58.25 X FOOTPATH SPOT LEVEL
-  ZERO LOT LINE
-  PROPOSED FUTURE DRIVEWAY LOCATION
-  STAGE BOUNDARY
-  PMT PADMOUNT TRANSFORMER

LEGEND - CONSTRUCTED

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

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.

EARTHWORKS FOR LOTS 4348-4363 & 4472-4473 COMPLETED AS PART OF PRECINCT 9 & 10.4 WORKS.


LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

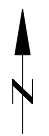
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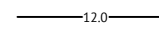










SCALE

 SCALE 1:500 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
BULK EARTHWORKS LAYOUT PLAN - SHEET 1


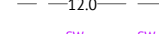
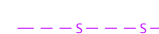


JOB CODE
MIR-1005
 SHEET NUMBER
C200
 REV
B



LEGEND - PROPOSED

-  NO CHANGES TO BULK EARTHWORKS. EARTHWORKS DONE AS PART OF PRECINCTS 9 AND 10.4 EARTHWORKS PACKAGES
-  EXTENT OF CUT
-  EXTENT OF FILL
-  12.0 FINISHED MAJOR CONTOURS (0.50m)
-  FINISHED MINOR CONTOURS (0.25m)
-  51.65 FINISHED SURFACE LEVEL
-  H:1.0 PROPOSED CONCRETE SLEEPER RETAINING WALL (AND HEIGHT). TIMBER TEXTURED SLEEPERS AND 2 COAT PAINT. DESIGN SPECIFICATION BY MANUFACTURER
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-  FEATURE FENCE BY LANDSCAPER
-  58.25 X FOOTPATH SPOT LEVEL
-  ZERO LOT LINE
-  PROPOSED FUTURE DRIVEWAY LOCATION
-  STAGE BOUNDARY
-  PMT PADMOUNT TRANSFORMER

LEGEND - CONSTRUCTED

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


- 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.


LAYOUT PLAN
SCALE 1:500

EARTHWORKS FOR LOTS 4348-4363 & 4472-4473 COMPLETED AS PART OF PRECINCT 9 & 10.4 WORKS.

FOR CONSTRUCTION			
DATE	REV	DESCRIPTION	REVISIONS
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 RPEQ 7112

SCALE

 SCALE 1:500 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
BULK EARTHWORKS LAYOUT PLAN - SHEET 2

JOB CODE
MIR-1005
 SHEET NUMBER
C201
 REV
B

NOTES

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

TESTING

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

EARTHWORKS TESTING

- COMPACTION TESTS

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

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

DUST

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

FILL MANAGEMENT

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

TOPSOIL RESPREAD REQUIREMENTS

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

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

TURF

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

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

TRENCH SPOIL

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

TRENCH BACKFILL

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

EXCAVATION IN ROCK

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

EVERLEIGH EARTHWORKS TOLERANCE TABLE

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

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

TOLERANCE NOTES

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

DISPERSIVE SOILS MANAGEMENT NOTES

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

TOPSOIL AMELIORATION

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

A-GRADE QUALITY TOPSOIL AMELIORATION:

- SCREEN STRIPPED TOPSOIL
- ON-SITE COMPOST INCORPORATION (0.15kg/m³ OF TOPSOIL)
- DOLOMITE (15kg/m³ OF TOPSOIL)
- GRANULAR WETTING AGENT (0.5kg/m³ OF TOPSOIL)
- FERTILISER (0.4kg/m³ OF TOPSOIL)

B-GRADE QUALITY TOPSOIL AMELIORATION:

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

ROCK TREATMENT IN ALLOTMENTS

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

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

ROCK TREATMENT IN VERGES

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

EARTHWORKS SPECIFICATION

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

NOTES:

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

KEY OUTCOMES FOR EARTHWORKS OPERATIONS

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



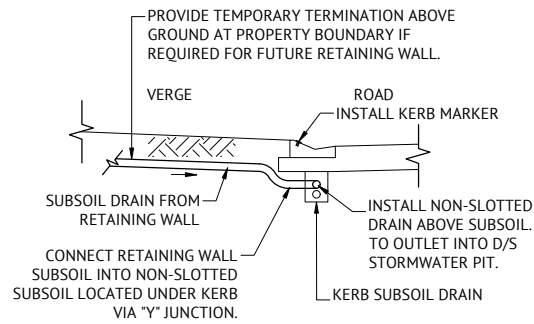
BRISBANE OFFICE
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BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

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

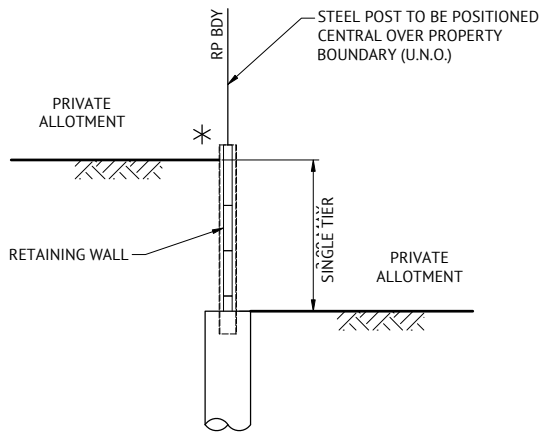
SCALE
KPEQ 7112
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
BULK EARTHWORKS NOTES AND DETAILS - SHEET 1

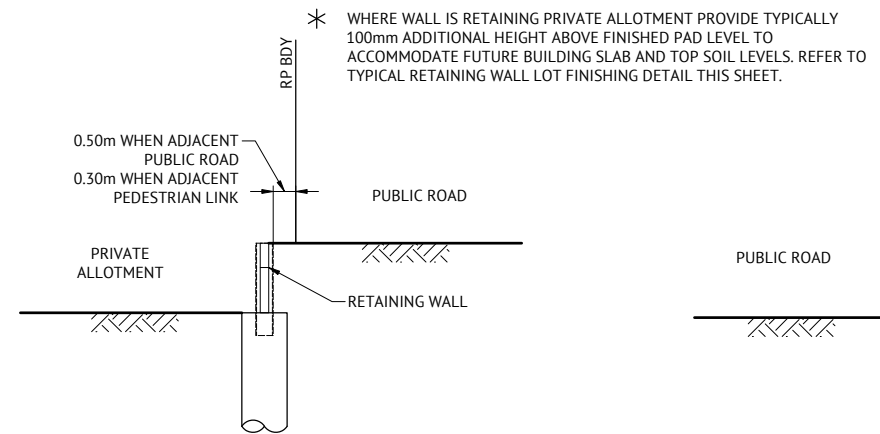
JOB CODE
MIR-1005
SHEET NUMBER
C210
REV
B



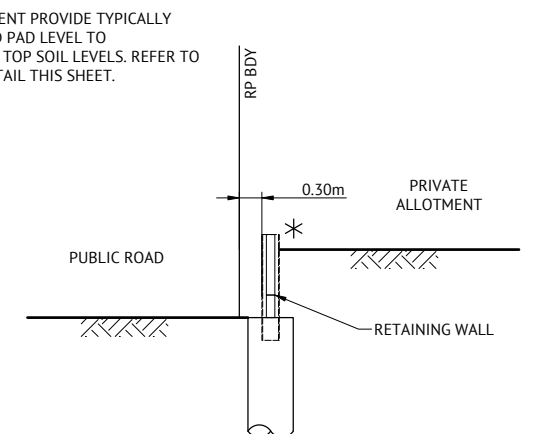
**TYPICAL RETAINING WALL SUBSOIL
OUTLET TO ROAD**
N.T.S.



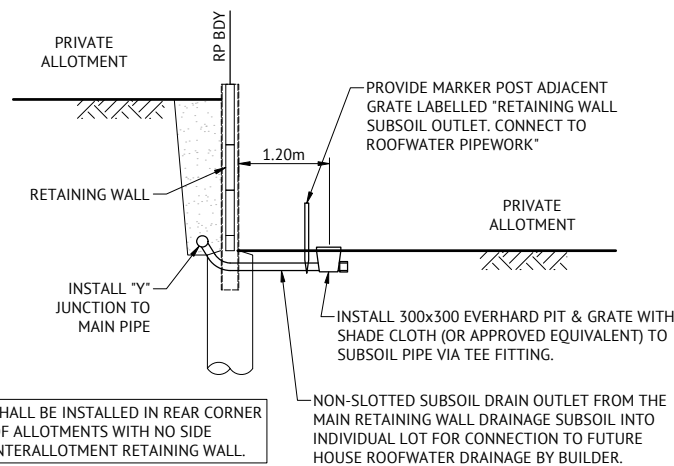
TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT
0.4m-2m MAX HIGH
N.T.S.



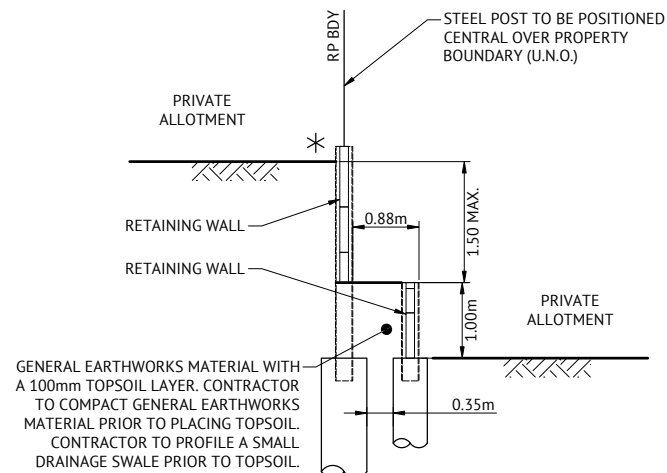
TYPICAL RETAINING WALL DETAIL
ROAD ADJACENT TO LOT WHERE ROAD LEVEL IS HIGHER
N.T.S.



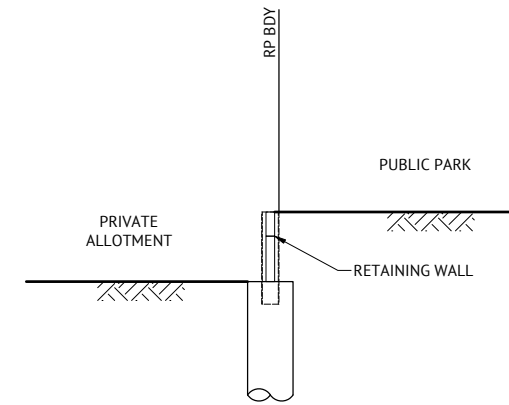
TYPICAL RETAINING WALL DETAIL
ROAD ADJACENT TO LOT WHERE LOT LEVEL IS HIGHER
N.T.S.



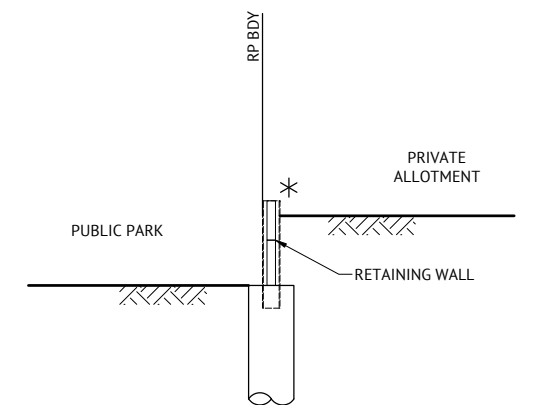
**TYPICAL RETAINING WALL SUBSOIL
OUTLET TO ALLOTMENTS**
N.T.S.



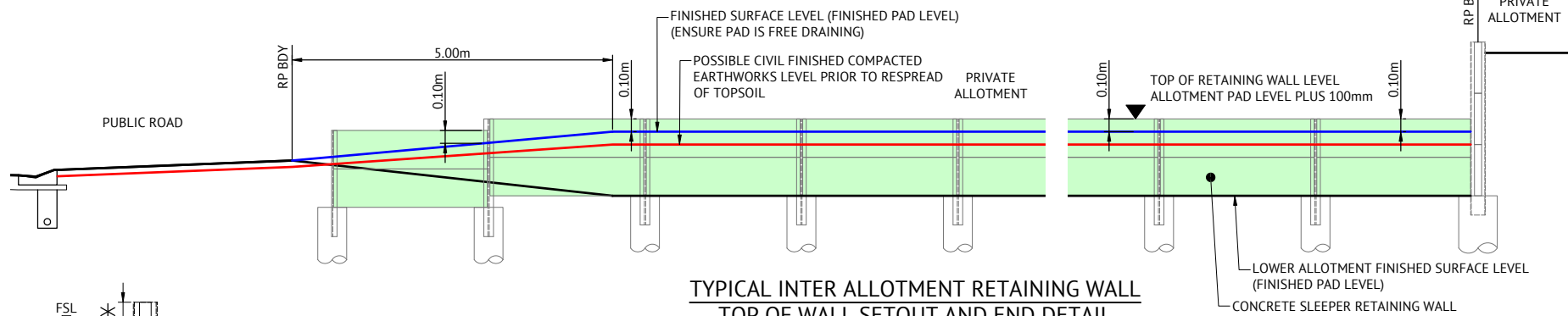
TYPICAL RETAINING WALL DETAIL INTER ALLOTMENT
2m-2.5m MAX HIGH
N.T.S.



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.

RETAINING WALL DESIGN:

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

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.

**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.

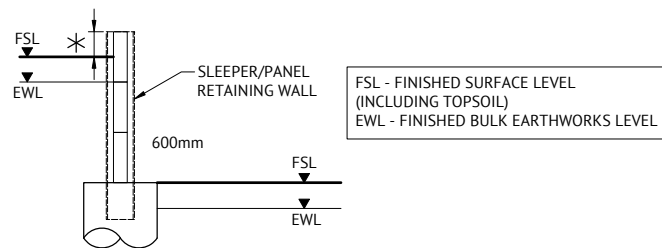
RETAINING WALL SHOP DRAWINGS

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:

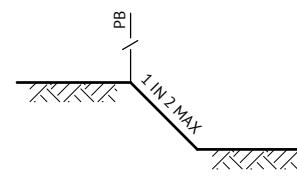
- ELEVATIONS OF ALL PROPOSED RETAINING WALLS AND ACOUSTIC FENCES
- TOP AND BOTTOM RLS TO SLEEPER/PANEL
- FINISHED PAD/ROAD SURFACE LEVELS
- DIMENSIONS OF RETAINING WALL END FINISHING CONFIGURATION, OFFSETS FROM BOUNDARIES
- POST DETAILS FOR INTRICATE INTERSECTION POINTS

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.



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



**TYPICAL SECTION FOR
BATTERS BETWEEN LOTS**
SCALE 1:20

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
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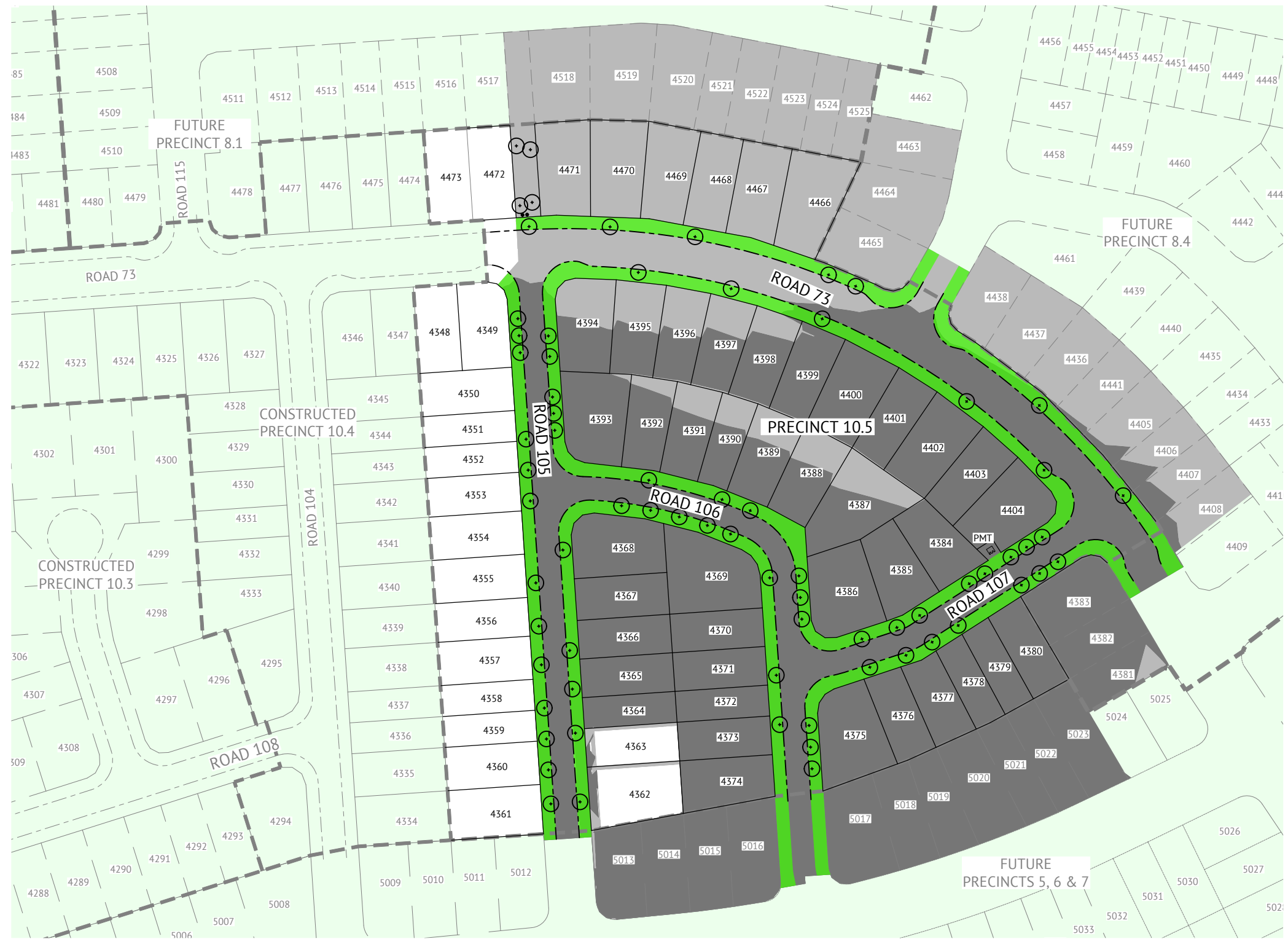
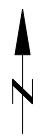
Premise
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PATRICK BRADY
NPEQ 7112








SCALE
NTS
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
BULK EARTHWORKS NOTES AND DETAILS - SHEET 2

JOB CODE
MIR-1005
SHEET NUMBER
C211
REV
B



LEGEND - PROPOSED

-  NO CHANGES TO BULK EARTHWORKS. EARTHWORKS DONE AS PART OF PRECINCT 9 & 10.4 EARTHWORKS PACKAGE
-  EXTENT OF CUT
-  EXTENT OF FILL
-  TREES
-  BOLLARD
-  STREET TREE / PLANTING AREA. CONTRACTOR TO ENSURE AREA IS FREE OF ROCK UP TO A DEPTH OF 1.5M BELOW DESIGN FSL (I.E. ENSURE AREA IS EASY DIGGING FOR THE INSTALLATION OF TREES AND PLANTING). CONTRACTOR TO ALSO ENSURE THESE AREAS ARE CONNECTED INTO THE NEAREST STORMWATER STRUCTURE AND MADE FREE DRAINING VIA SLOTTED AGI PIPE.
-  PMT PADMOUNT TRANSFORMER


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


LAYOUT PLAN
SCALE 1:750

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

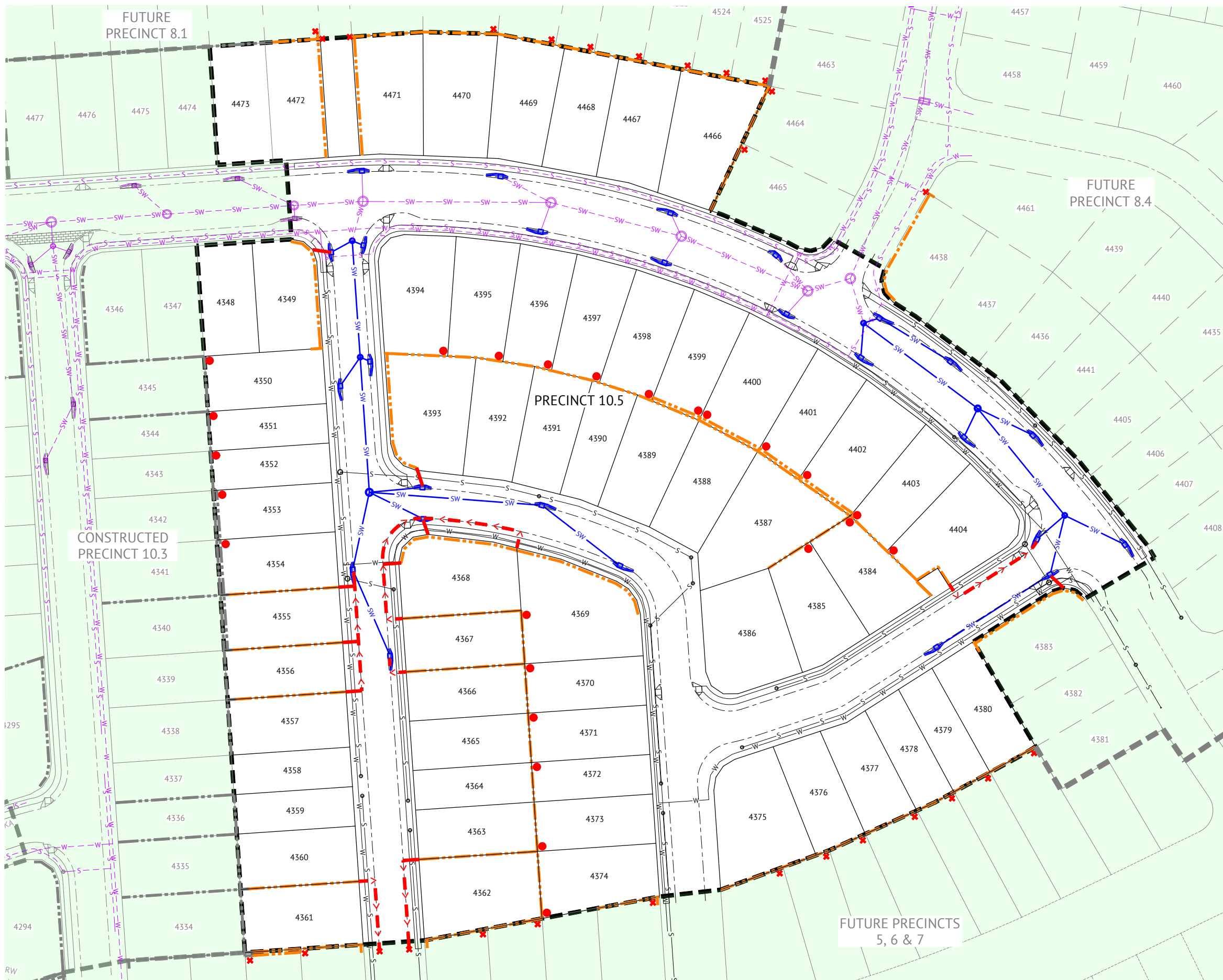
Premise
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 CHECKED
ANDREW LANGDON
 PROJECT MANAGER
NICK SOMERVILLE
 PROJECT DIRECTOR

 PATRICK BRADY
 NP/EQ 7112

SCALE

 SCALE 1:750(A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
EARTHWORKS SUBGRADE ROCK PREPARATION DETAILS

JOB CODE MIR-1005	
SHEET NUMBER C220	REV B



LEGEND - PROPOSED

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

LEGEND - CONSTRUCTED

- RETAINING WALL
- STORMWATER
- SEWER
- WATER

LAYOUT PLAN
SCALE 1:500

FOR CONSTRUCTION

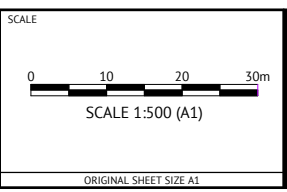
DATE	REV	DESCRIPTION	REVISIONS	KK	PB
12/06/2024	B	ISSUED FOR CONSTRUCTION		KK	PB
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				REC	APP



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PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR

PATRICK BRADY NP/EQ 7112



CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
RETAINING WALL SUBSOIL DRAINAGE PLAN

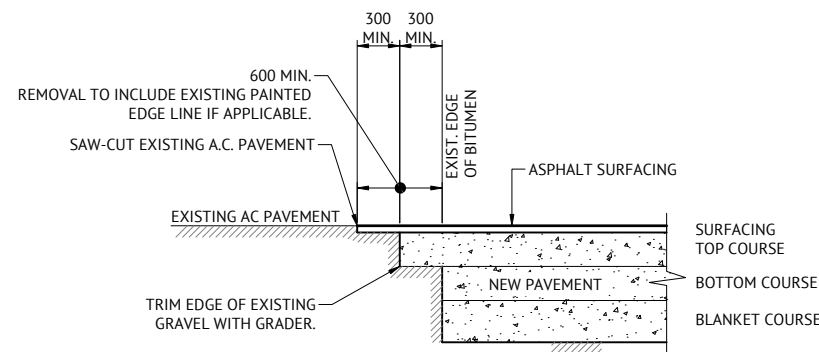
JOB CODE MIR-1005	
SHEET NUMBER C230	REV B

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.

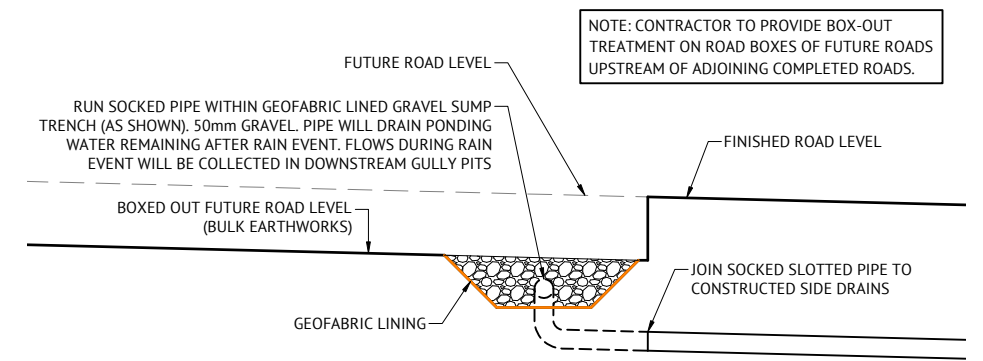
ROADWORKS NOTES

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 CHANNEL FOR A DISTANCE WHICH IS THE GREATER OF 150mm FROM THE BACK OF KERB OR ACROSS TO THE OUTER LIMIT OF SIDE DRAIN FILTER MATERIAL.
3. TRANSITION KERB AND CHANNEL TO BARRIER KERB SMOOTHLY OVER MIN. 1.0m LENGTH.
4. PAVEMENT THICKNESSES NOMINATED ON THESE DRAWINGS ARE PROVISIONAL ONLY AND MAY BE VARIED BY THE SUPERINTENDENT SUBJECT TO INSITU PAVEMENT SUBGRADE TESTING. PAVEMENT SUBGRADES ARE TO BE INITIALLY CONSTRUCTED TO THE UNDERSIDE OF THE NOMINATED LOWER SUBBASE COURSE WITHIN FILL AREAS, AND TO THE UNDERSIDE OF THE NOMINATED UPPER SUBBASE COURSE WITHIN CUT AREAS. INSITU SUBGRADE CBR TESTING AS SPECIFIED FOR PAVEMENT DESIGN VERIFICATION IS TO BE CARRIED OUT AT THESE LEVELS.
5. REPAIR ANY DAMAGE TO EXISTING KERB AND CHANNEL, FOOTPATH OR ROADWAY (INCLUDING REMOVAL OF CONCRETE SLURRY FROM FOOTPATHS, ROADS, KERB AND CHANNEL AND STORMWATER GULLIES AND SIDEDRAINS) THAT MAY OCCUR DURING ANY WORKS CARRIED OUT.



TYPICAL PAVEMENT CUT-BACK DETAIL

N.T.S.



TYPICAL FUTURE ROADS BOX-OUT TREATMENT

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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17/05/2024	A	ORIGINAL ISSUE	KK	PB



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DESIGNED KLYNT KIWANG
CHECKED ANDREW LANGDON
PROJECT MANAGER NICK SOMERVILLE
PROJECT DIRECTOR <i>PKB</i> PATRICK BRADY

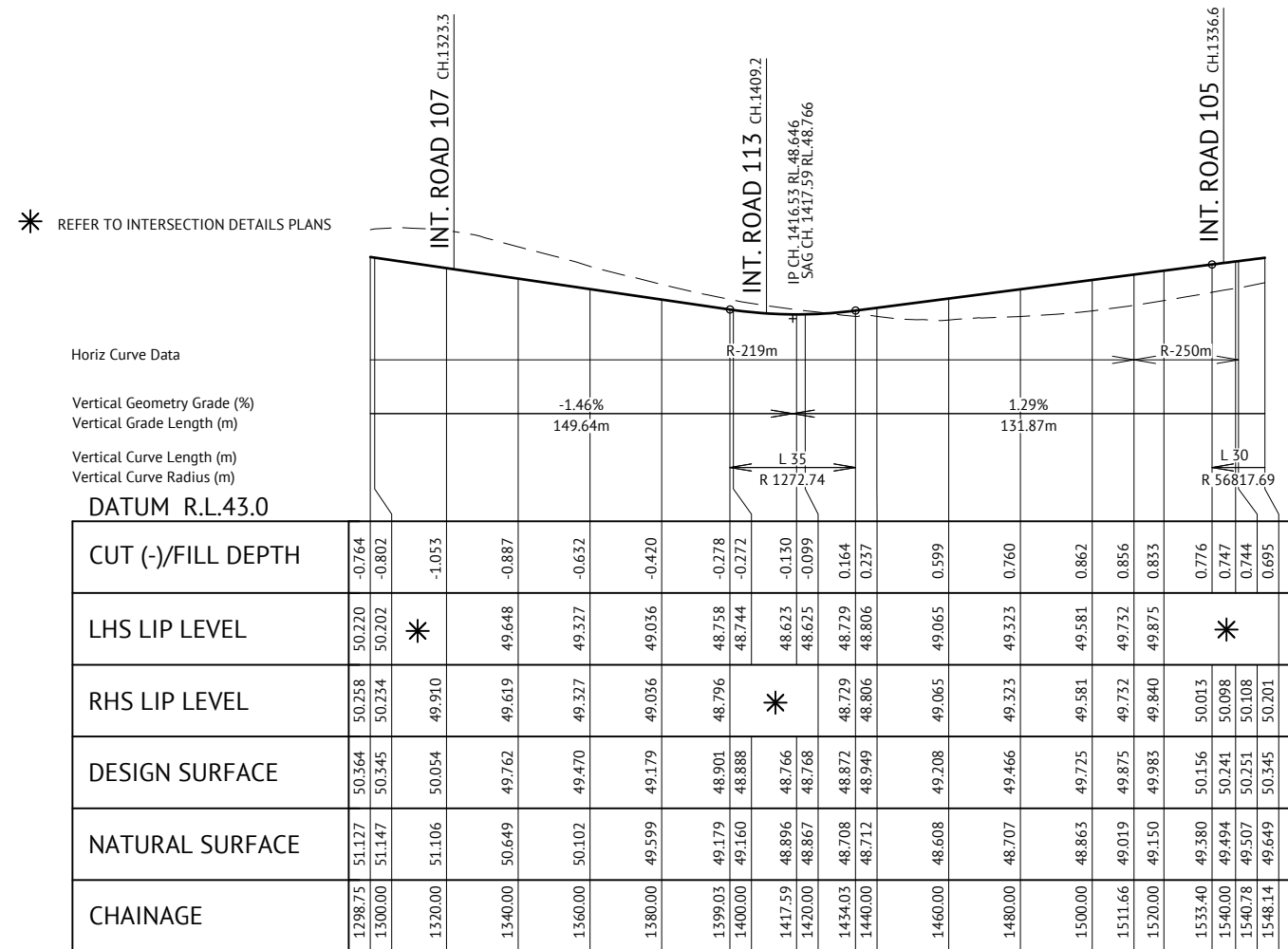
SCALE 0 0.4 0.8 1.2m SCALE 1:20 (A1) ORIGINAL SHEET SIZE A1
--

CLIENT MIRVAC QLD PTY LTD
PROJECT EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION TEVIOT ROAD, GREENBANK
SHEET TITLE ROADWORKS NOTES AND DETAILS

JOB CODE MIR-1005
SHEET NUMBER C300
REV B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 73
CLASS	-	NEIGHBOURHOOD CONNECTOR 2
ESA's	-	6.40 x 10 ⁶
SURFACE	-	50mm AC of 14mm MIX
PRIMER TYPE	-	PRIMER SEAL
CBR 80	-	300mm
CBR 45	-	100mm
TOTAL BOX	-	450mm

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



ROAD 73 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)

FOR CONSTRUCTION



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

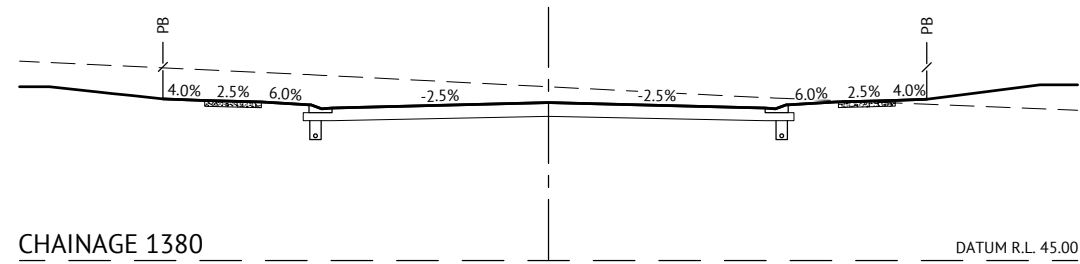
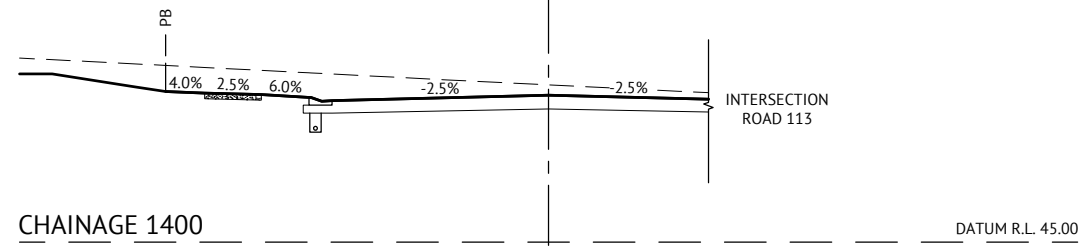
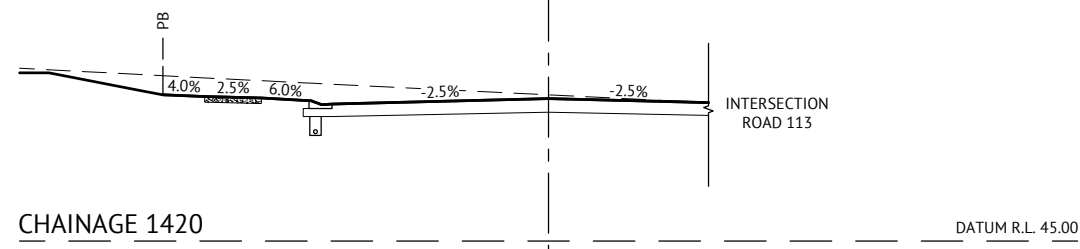
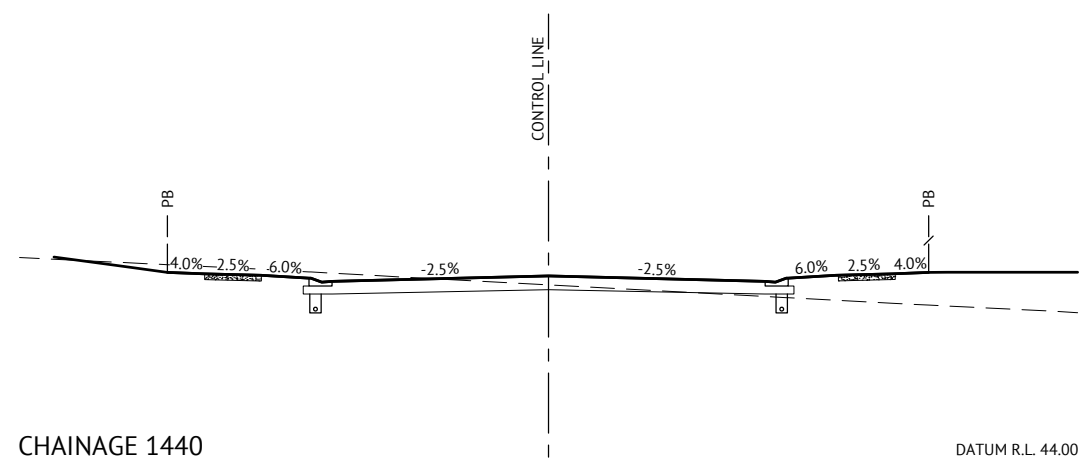
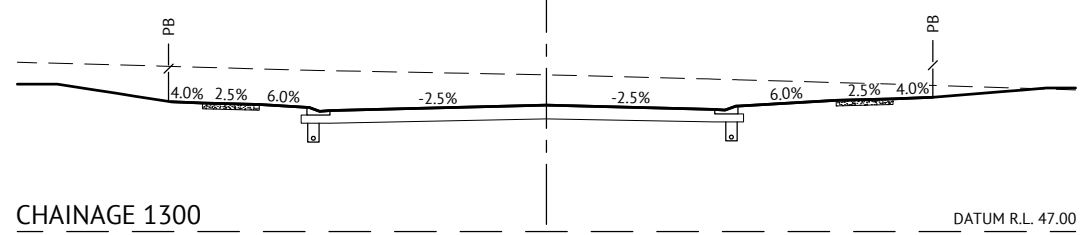
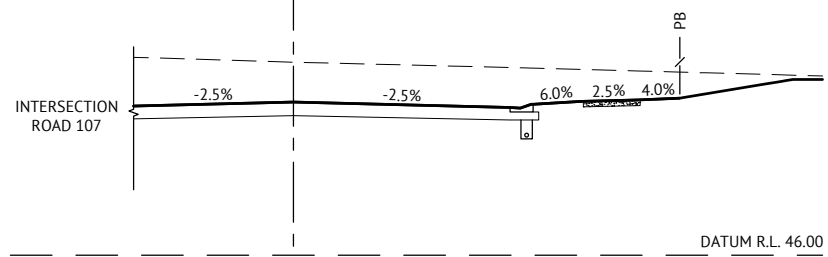
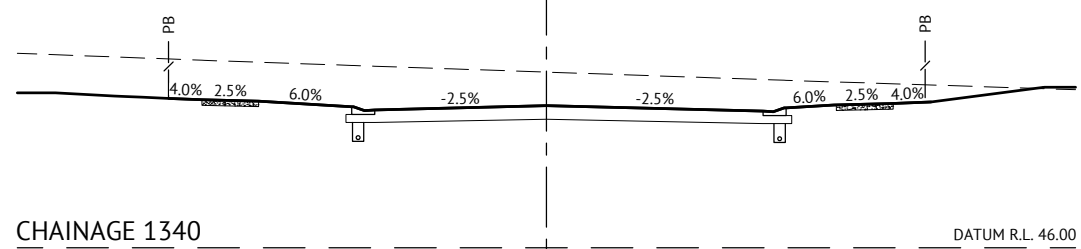
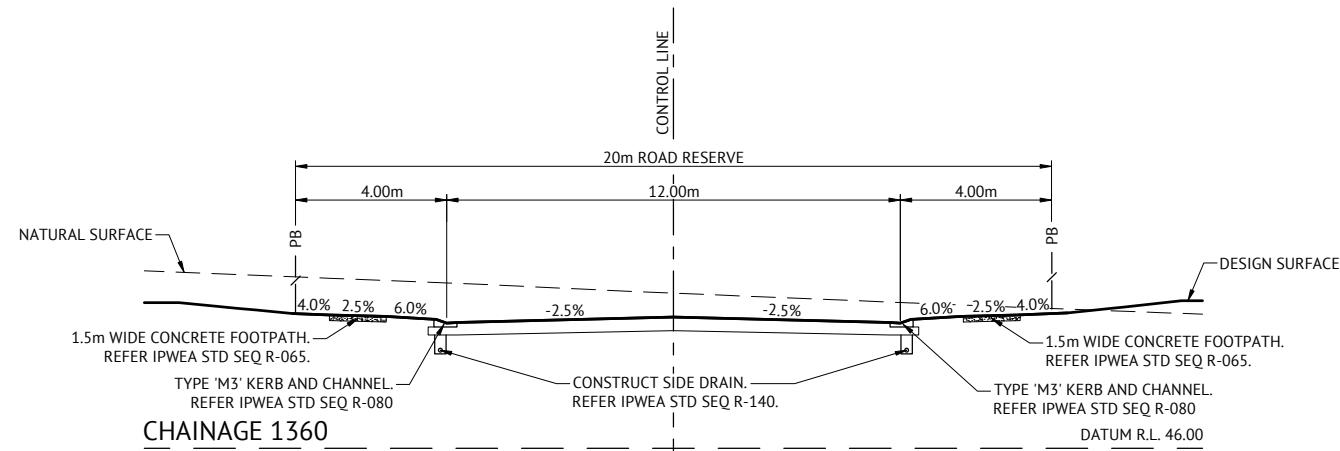
DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 73 LONG SECTION

JOB CODE
MIR-1005
SHEET NUMBER
C310
REV
B

DATE	REV	DESCRIPTION	REC	APP
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17/05/2024	A	ORIGINAL ISSUE	KK	PB



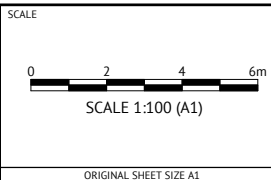
ROAD 73 CROSS SECTIONS
SCALE 1:100

FOR CONSTRUCTION



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PH: (07) 3253 2222
WEB: www.premise.com.au

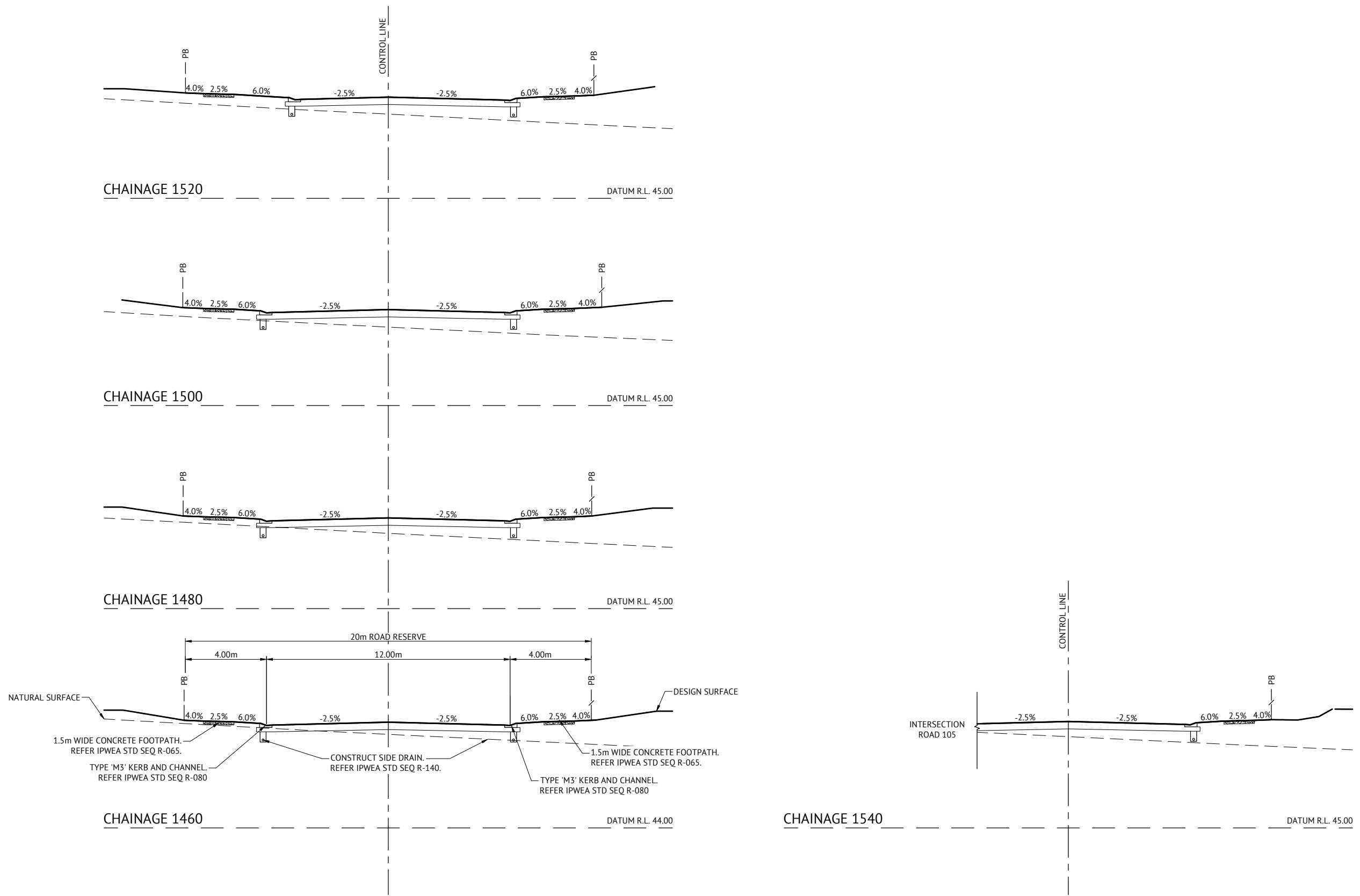
DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
NPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 73 CROSS SECTIONS - SHEET 1

JOB CODE
MIR-1005
SHEET NUMBER
C311
REV
B

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



ROAD 73 CROSS SECTIONS
SCALE 1:100

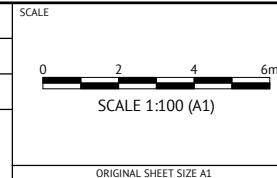
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



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

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



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 73 CROSS SECTIONS - SHEET 2

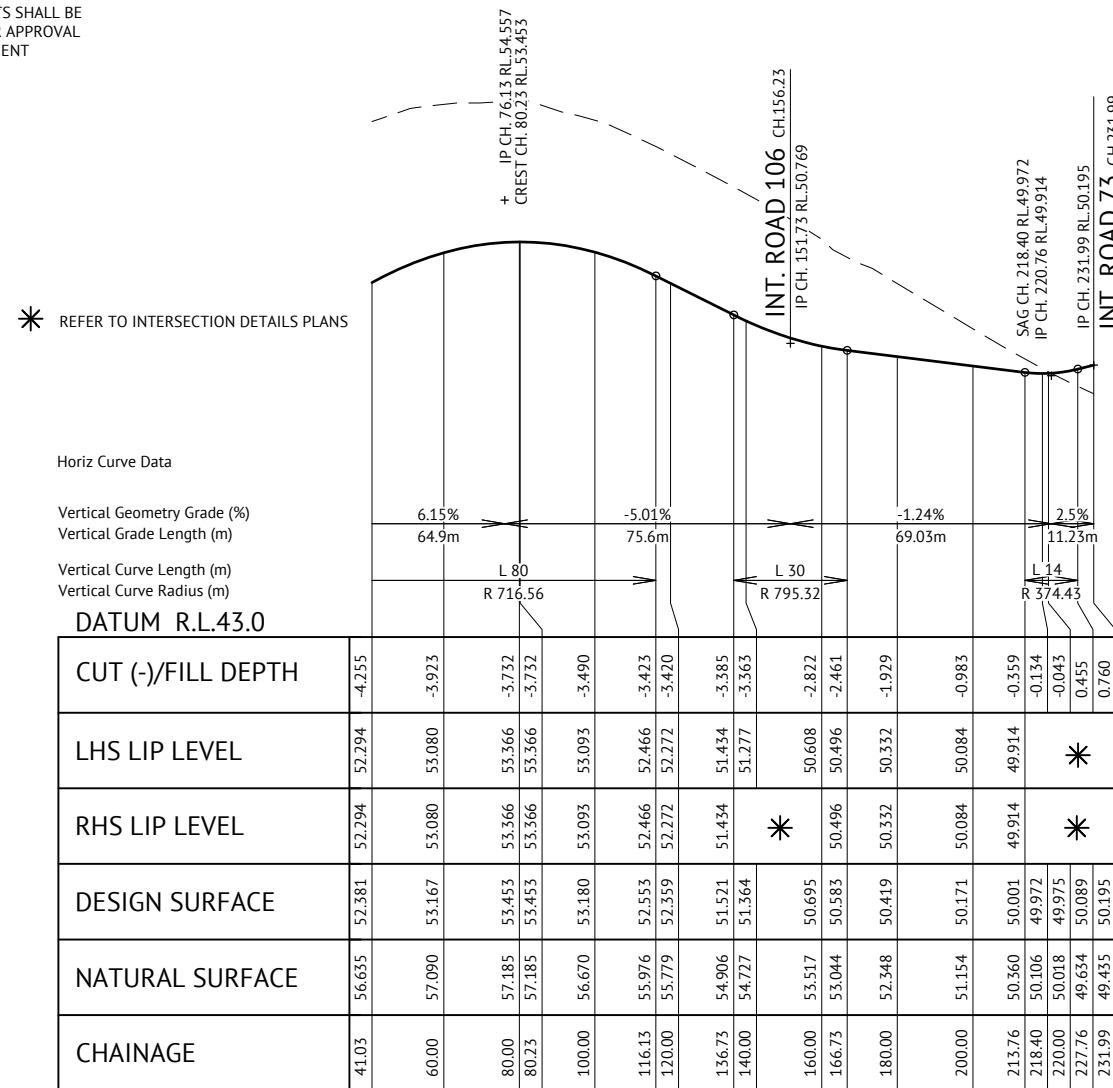
JOB CODE
MIR-1005
SHEET NUMBER
C312
REV
B

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 105 (CH.41.03-CH.227.76)
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.

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 105 (CH.227.76-CH.231.99)
CLASS	-	NEIGHBOURHOOD CONNECTOR 2
ESA's	-	6.40 x 10 ⁶
SURFACE	-	50mm AC of 14mm MIX
PRIMER TYPE	-	PRIMER SEAL
CBR 80	-	300mm
CBR 45	-	100mm
TOTAL BOX	-	450mm

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



ROAD 105 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)

FOR CONSTRUCTION



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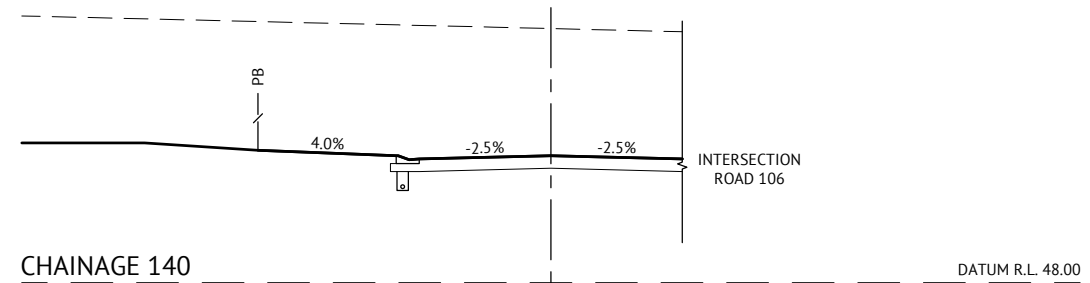
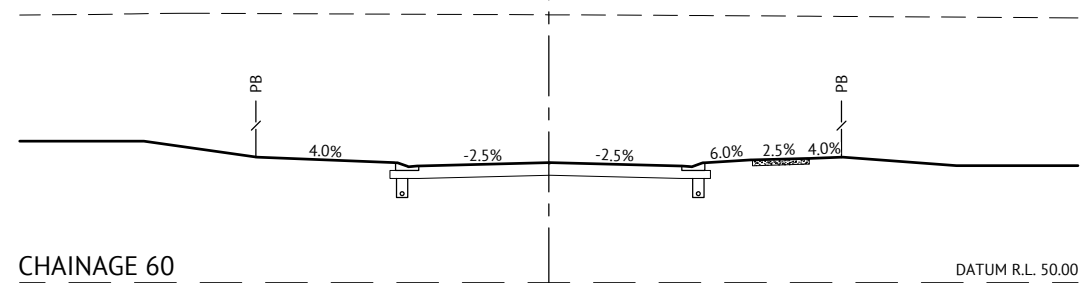
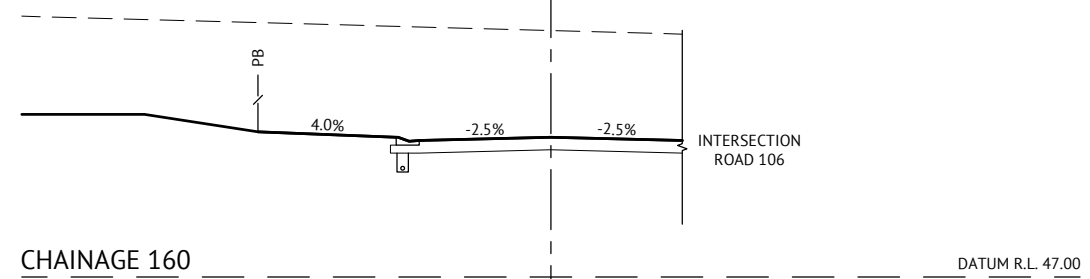
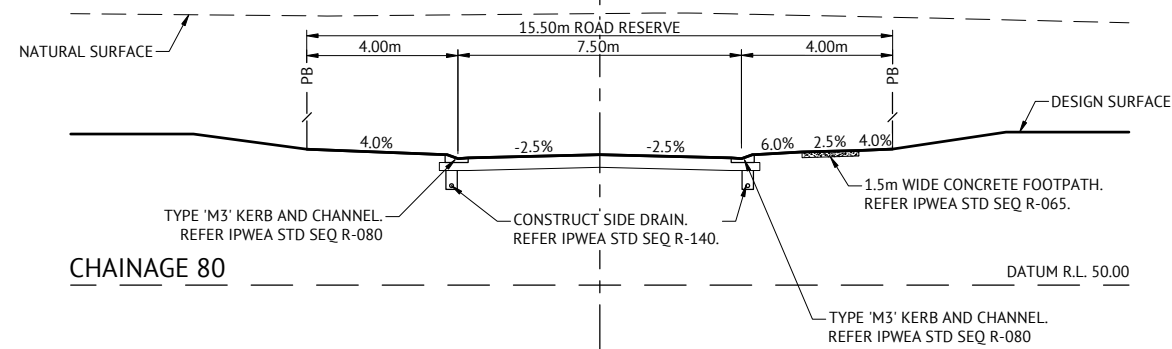
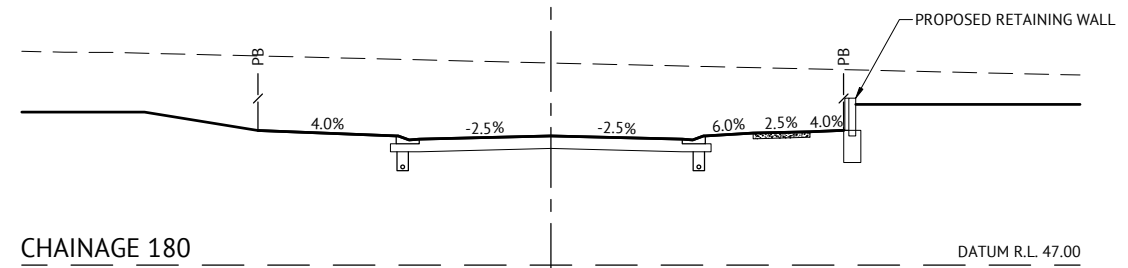
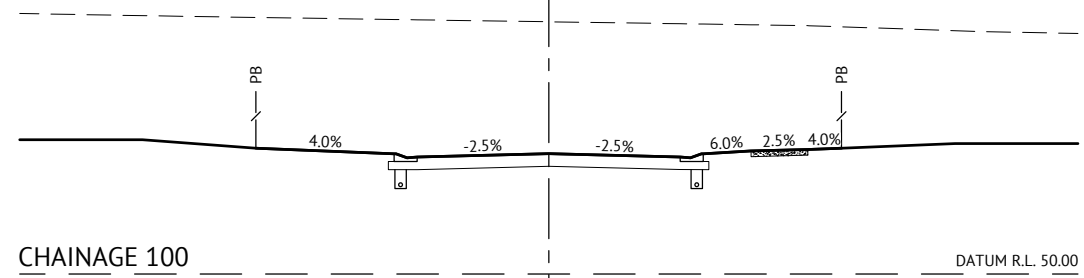
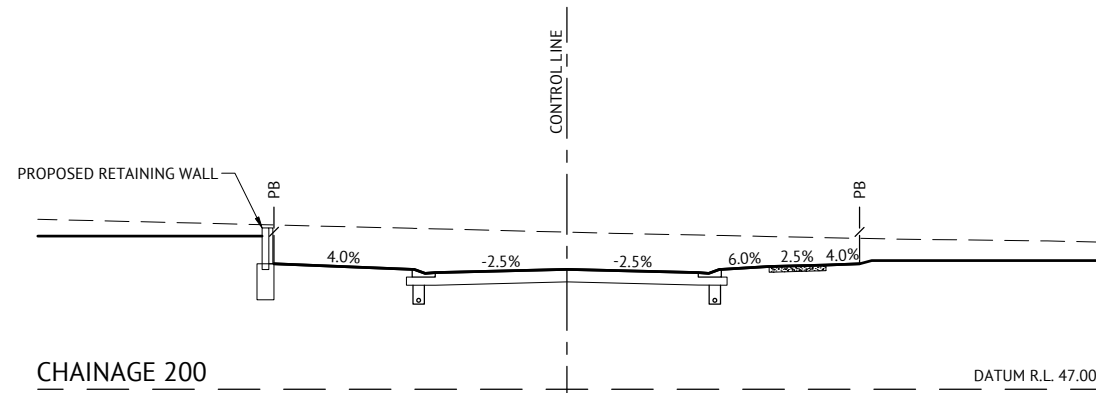
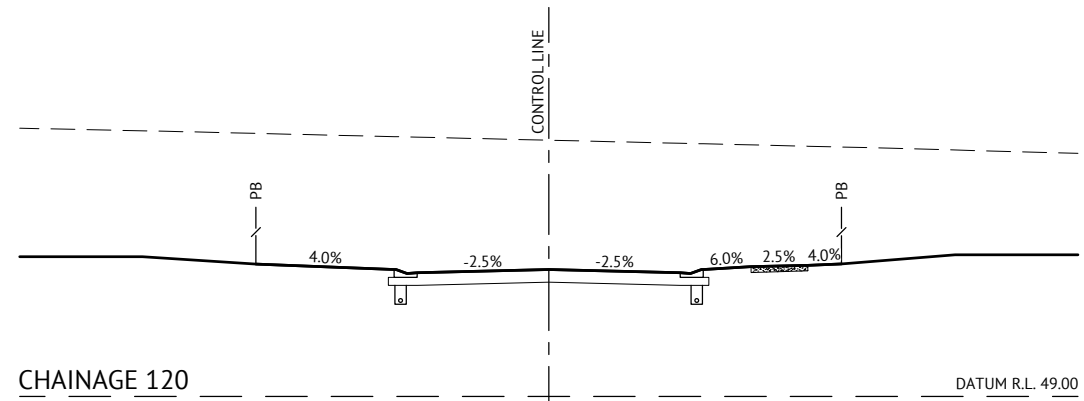
DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 105 LONG SECTION

JOB CODE
MIR-1005
SHEET NUMBER
C313
REV
B

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



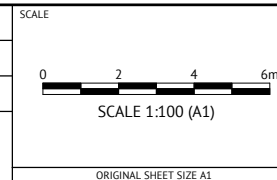
ROAD 105 CROSS SECTIONS
SCALE 1:100

FOR CONSTRUCTION



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



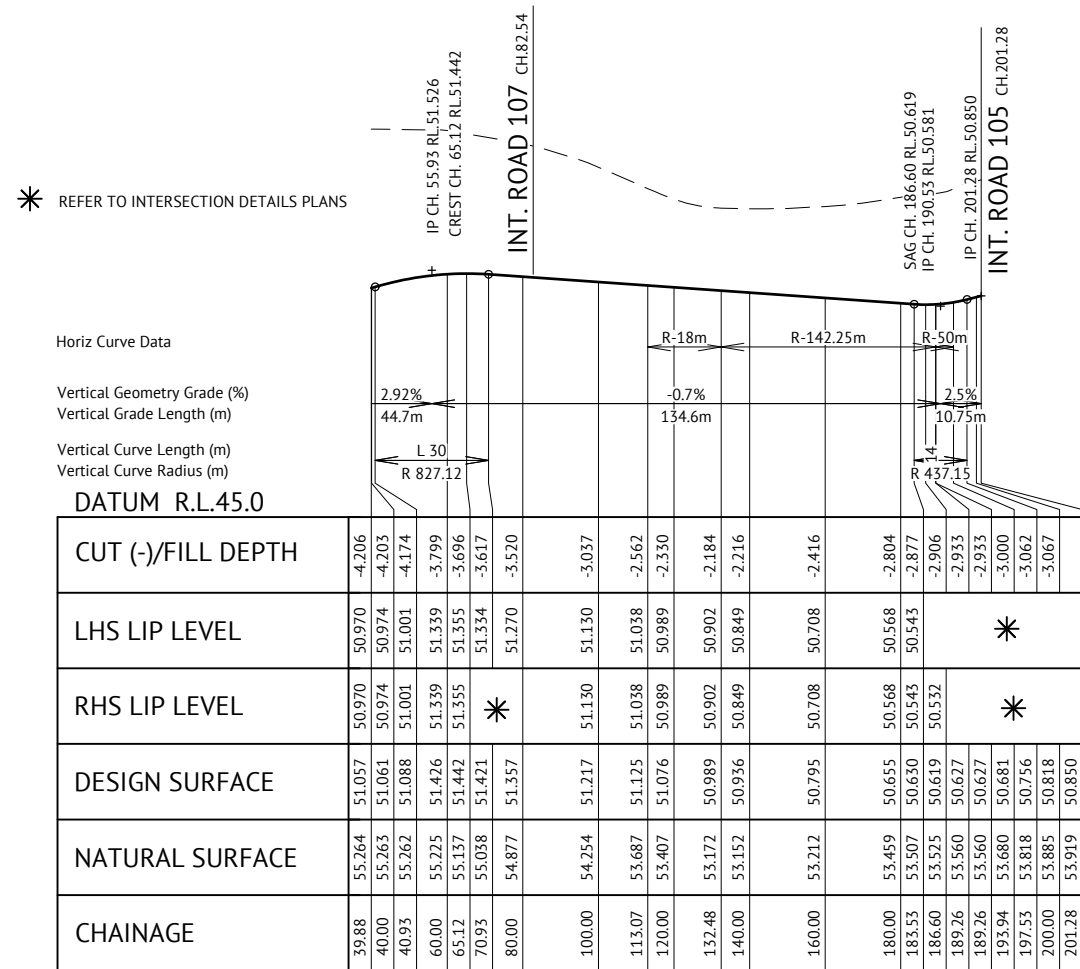
CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 105 CROSS SECTIONS

JOB CODE
MIR-1005
SHEET NUMBER
C314
REV
B

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 106
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.



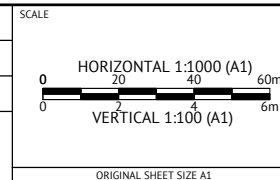
ROAD 106 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)

FOR CONSTRUCTION



BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
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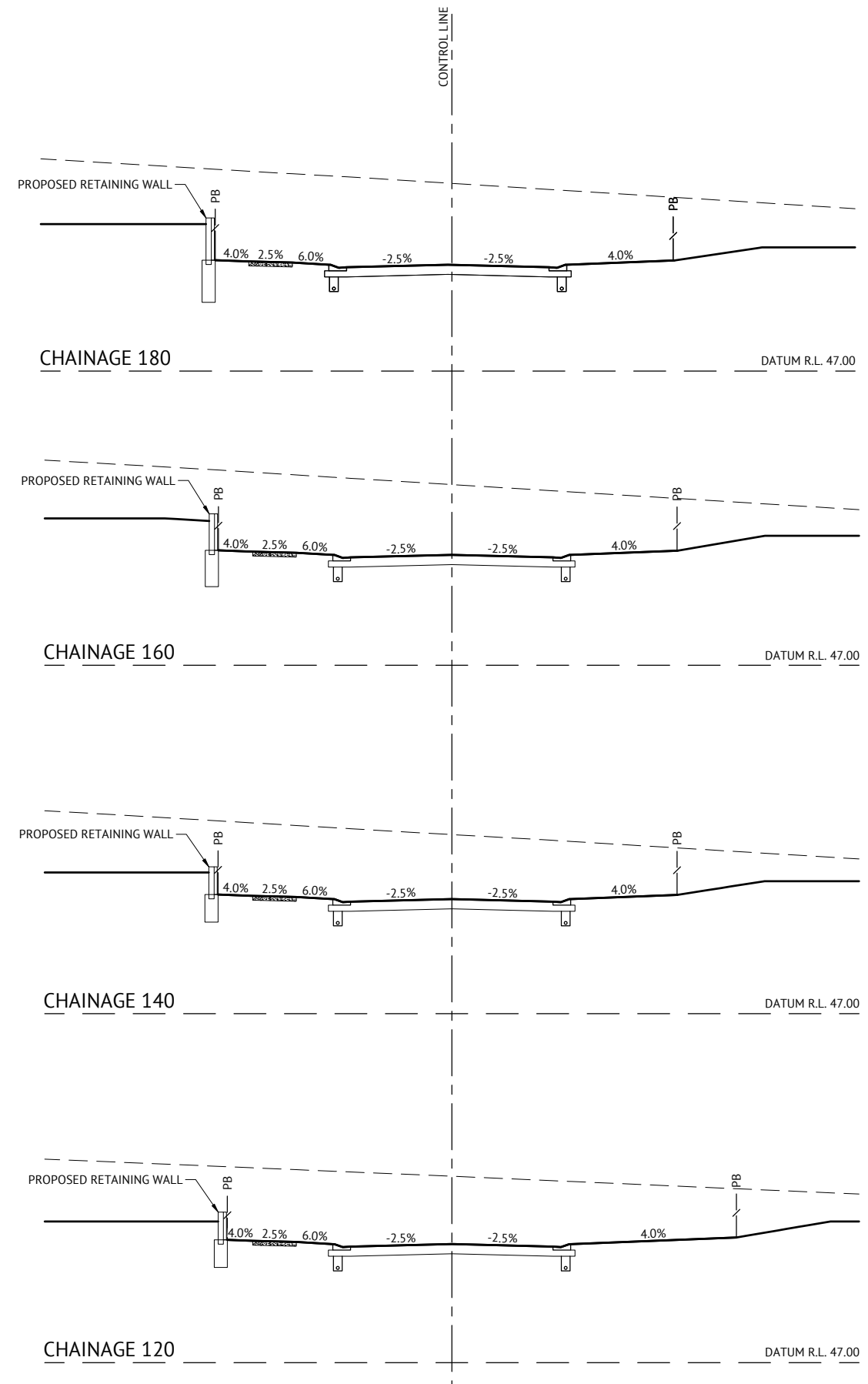
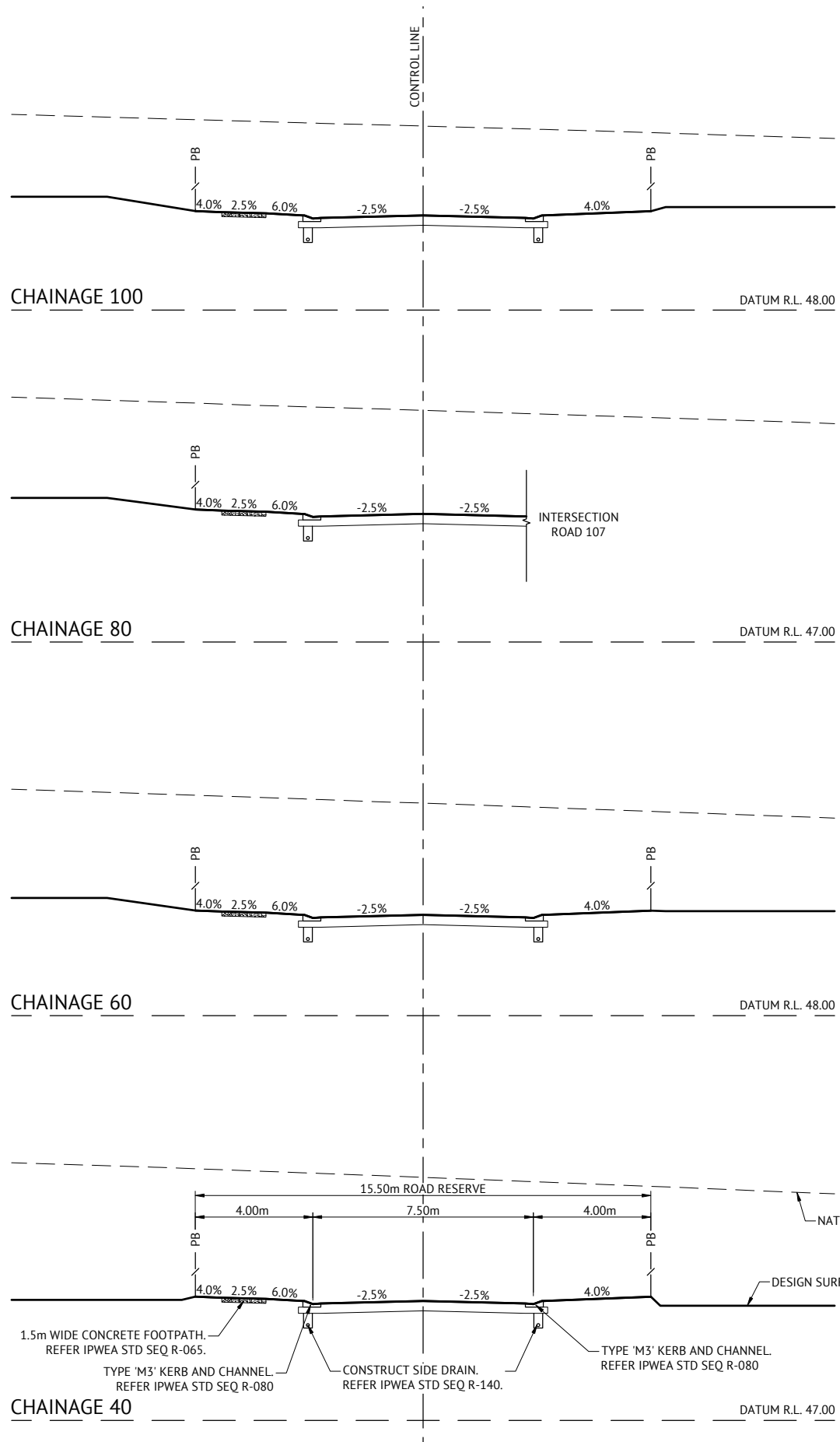
DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
KPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 106 LONG SECTION

JOB CODE
MIR-1005
SHEET NUMBER
C315
REV
B

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



ROAD 106 CROSS SECTIONS
SCALE 1:100

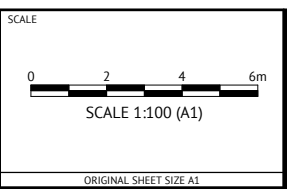
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB
			REC APP



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



CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
ROAD 106 CROSS SECTIONS

JOB CODE
MIR-1005

SHEET NUMBER
C316

REV
B

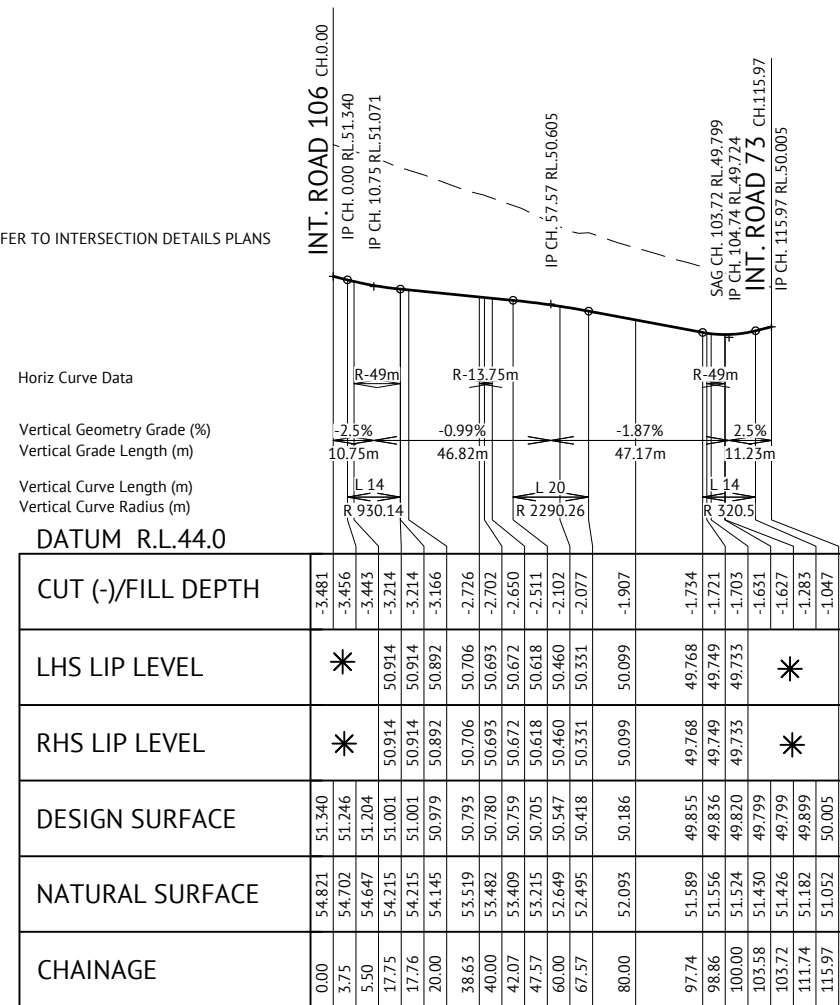
PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 107 (CH.0.00-CH.111.74)
CLASS	-	ACCESS STREET (TYPICAL)
ESA's	-	5.90 x 10 ⁵
SURFACE	-	35mm AC of 10mm MIX
PRIMER TYPE	-	PRIME
CBR 80	-	150mm
CBR 45	-	150mm
TOTAL BOX	-	335mm

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.

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 107 (CH.111.74-CH.115.97)
CLASS	-	NEIGHBOURHOOD CONNECTOR 2
ESA's	-	6.40 x 10 ⁶
SURFACE	-	50mm AC of 14mm MIX
PRIMER TYPE	-	PRIMER SEAL
CBR 80	-	300mm
CBR 45	-	100mm
TOTAL BOX	-	450mm

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

* REFER TO INTERSECTION DETAILS PLANS



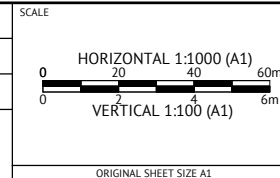
ROAD 107 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)

FOR CONSTRUCTION



BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
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DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112



CLIENT
PROJECT
LOCATION
SHEET TITLE

MIRVAC QLD PTY LTD

EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
TEVIOT ROAD, GREENBANK
ROAD 107 LONG SECTION

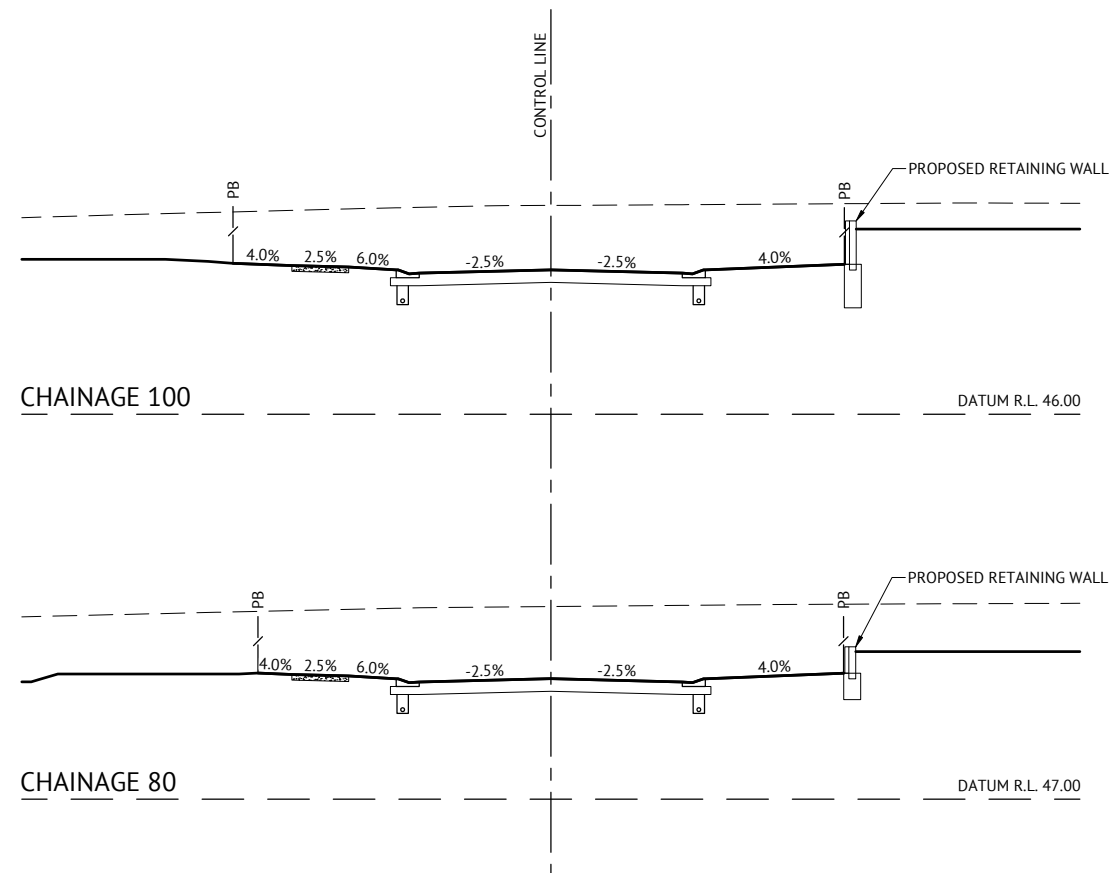
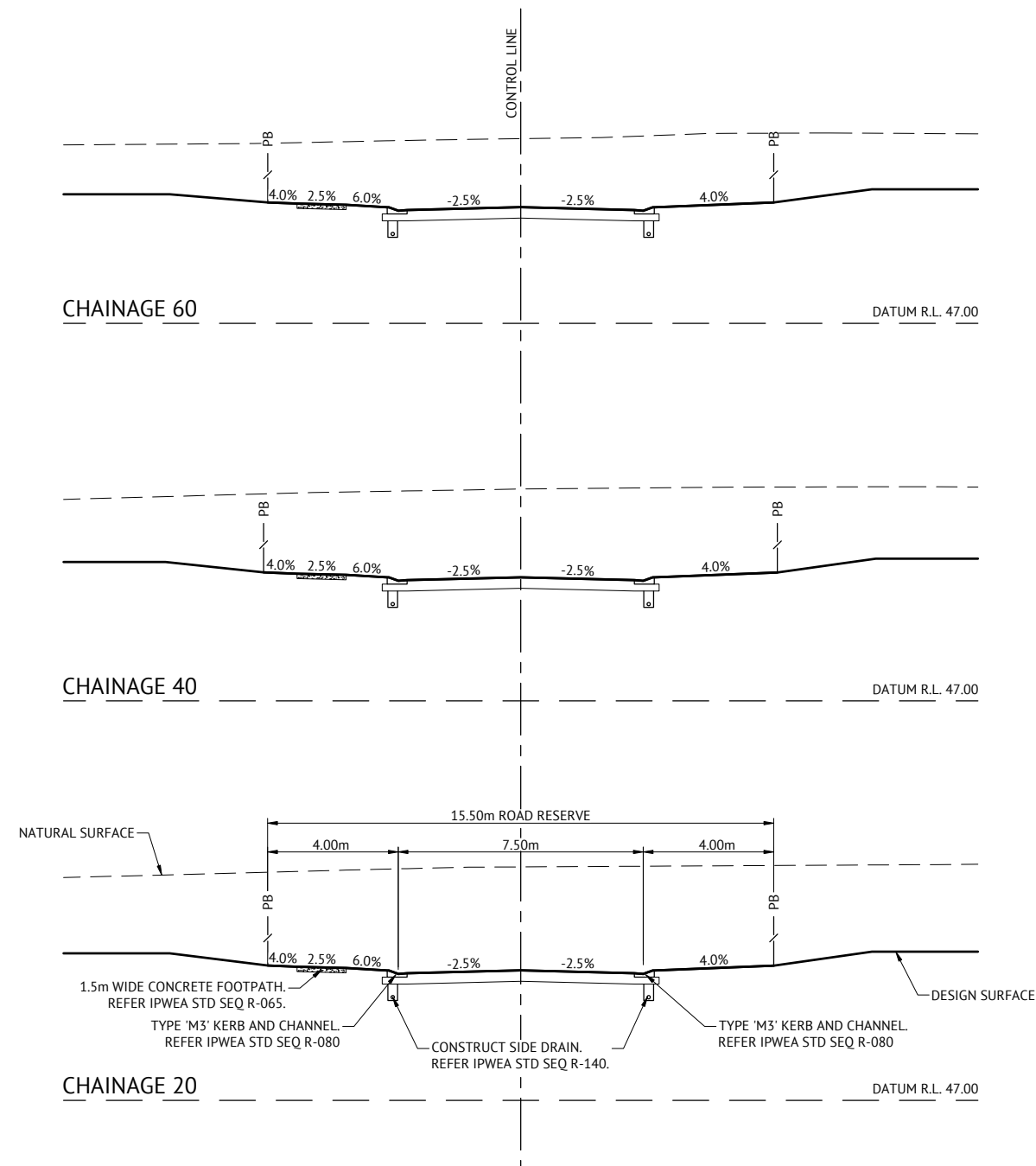
JOB CODE

MIR-1005

SHEET NUMBER
C317

REV
B

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



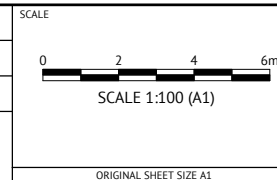
ROAD 107 CROSS SECTION
SCALE 1:100

FOR CONSTRUCTION



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

DESIGNED
KLYNT KIWANG
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ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PKB
PATRICK BRADY **KPEQ 7112**



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 107 CROSS SECTIONS

JOB CODE
MIR-1005
SHEET NUMBER
C318
REV
B

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

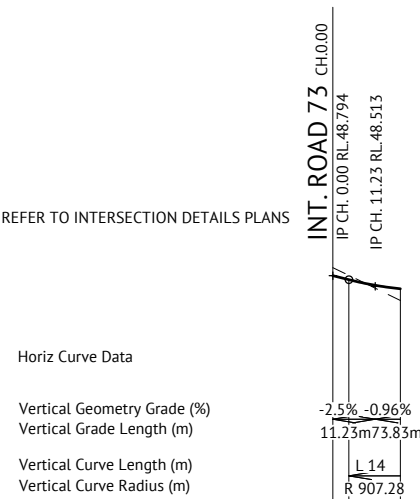
PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 113 (CH.0.00-CH.4.23)
CLASS	-	NEIGHBOURHOOD CONNECTOR 2
ESA's	-	6.40 x 10 ⁶
SURFACE	-	50mm AC of 14mm MIX
PRIMER TYPE	-	PRIMER SEAL
CBR 80	-	300mm
CBR 45	-	100mm
TOTAL BOX	-	450mm

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

PAVEMENT DESIGN (PRELIMINARY)		
ROADS	-	ROAD 113 (CH.4.23-CH.17.86)
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

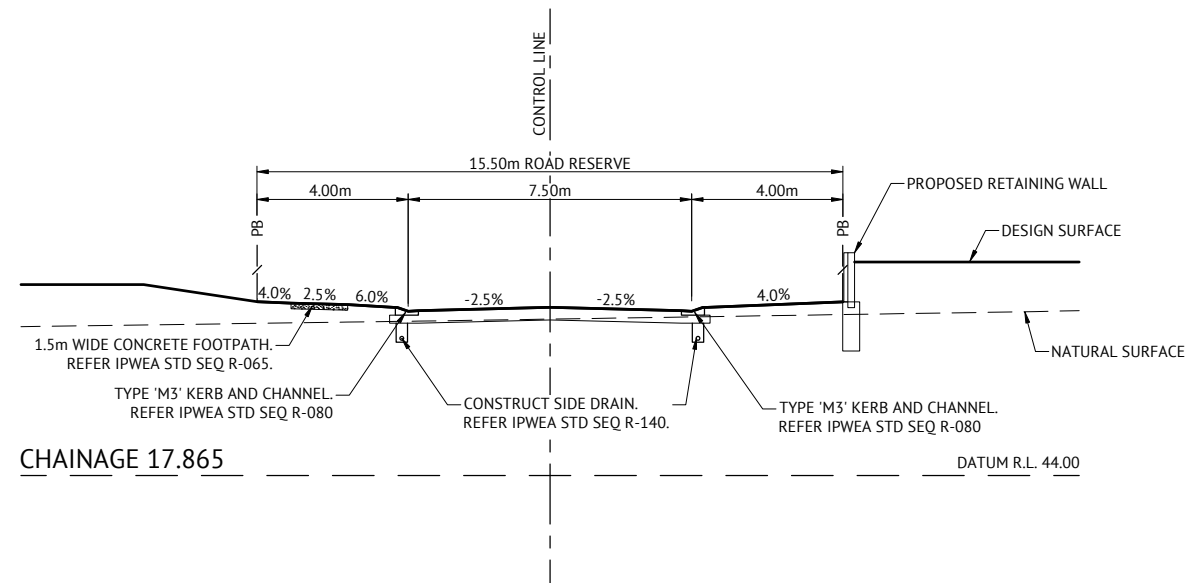
CONTRACTOR SHALL GUARANTEE CBR10 SUBGRADE OR GREATER. CBR TESTING SHALL BE CARRIED OUT BY CONTRACTOR IN ACCORDANCE WITH LOGAN CITY COUNCIL REQUIREMENTS AND RESULTS SHALL BE PRESENTED TO SUPERINTENDENT FOR APPROVAL PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION.

* REFER TO INTERSECTION DETAILS PLANS



CUT (-)/FILL DEPTH	-0.214	-0.116	0.311
LHS LIP LEVEL	*	*	48.363
RHS LIP LEVEL	*	*	48.363
DESIGN SURFACE	48.794	48.688	48.450
NATURAL SURFACE	49.007	48.804	48.138
CHAINAGE	0.00	4.23	17.86

ROAD 113 LONGITUDINAL SECTION
SCALE 1:1000(H) 1:100(V)



ROAD 113 CROSS SECTION
SCALE 1:100

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
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17/05/2024	A	ORIGINAL ISSUE	KK	PB



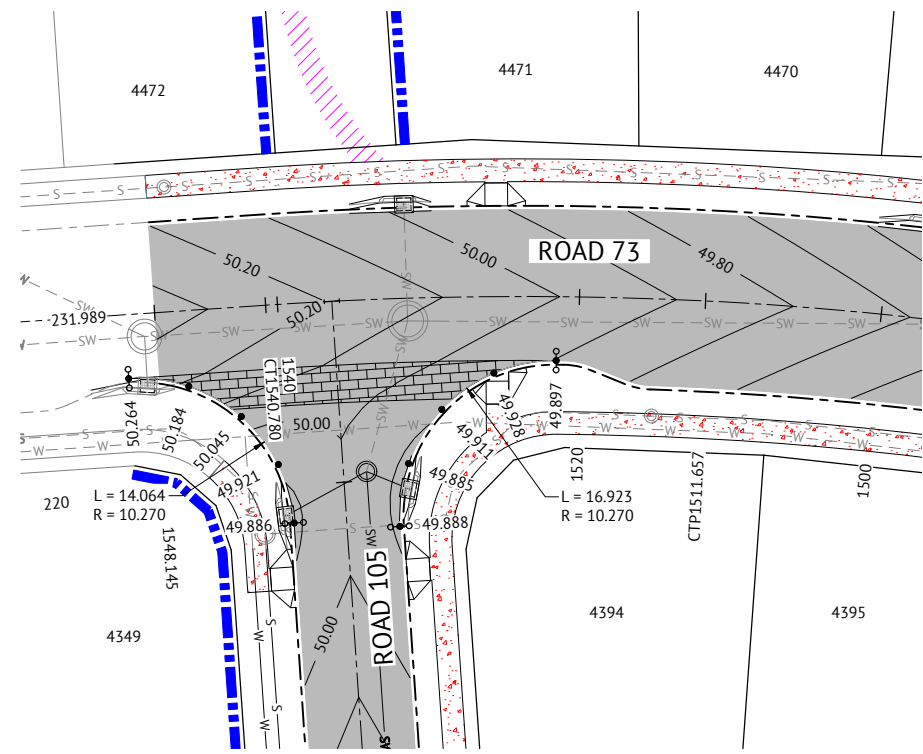
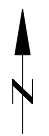
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
PH: (07) 3253 2222
WEB: www.premise.com.au

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

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

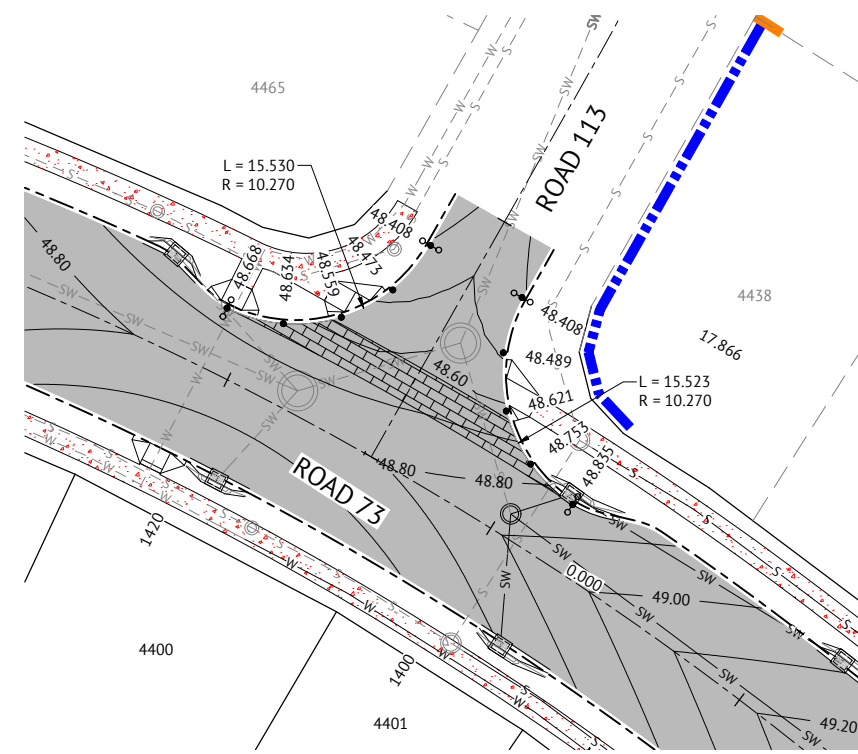
CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
ROAD 113 LONG AND CROSS SECTIONS

JOB CODE
MIR-1005
SHEET NUMBER
C319
REV
B



INTERSECTION ROAD 73 AND ROAD 105

SCALE 1:250

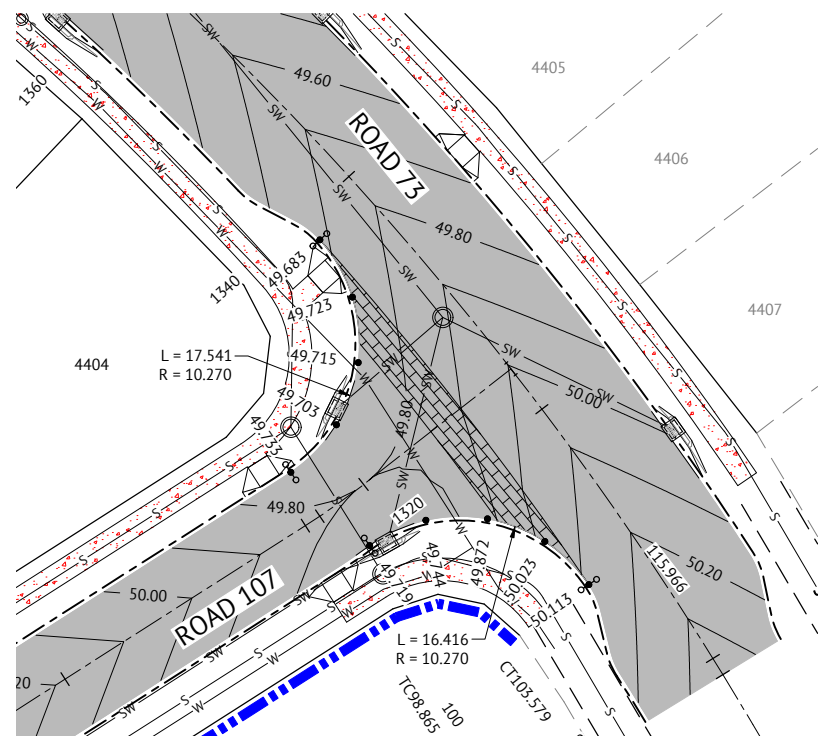


INTERSECTION ROAD 73 AND ROAD 113

SCALE 1:250

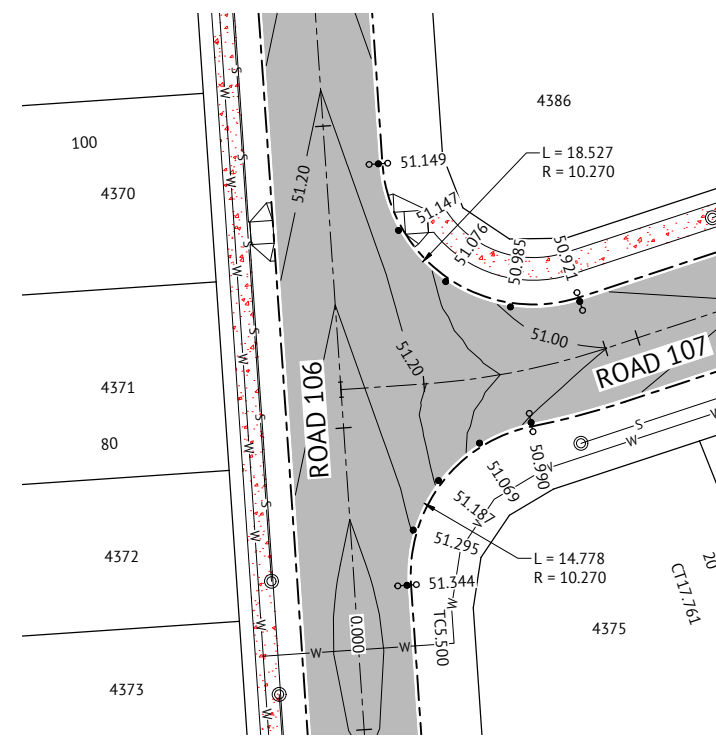
LEGEND - PROPOSED

- PAVEMENT
- FINISHED MAJOR CONTOURS (0.20m)
- FINISHED MINOR CONTOURS (0.10m)
- PROPOSED 1.5m WIDE CONCRETE FOOTPATH. (UNO) REFER CONC. REQUIREMENTS ON DRG. No. C300
- PROPOSED CONCRETE LANDSCAPING FOOTPATH. REFER LANDSCAPING DRAWINGS FOR DETAILS.
- PROPOSED KERB RAMP. REFER IPWEA STD DWG RS-090.
- PROPOSED IPWEA TYPE 'M3' KERB & CHANNEL. REFER IPWEA STD DWG RS-080.
- LIP OF KERB LEVEL
- PROPOSED STORMWATER
- PROPOSED WATER
- PROPOSED SEWER
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED CONCRETE PANEL RETAINING WALL
- DURATHEM THRESHOLD TREATMENT. REFER TO URBIS EVERLEIGH LANDSCAPE MASTERPLAN - PART B (PAGE 20) FOR COLOUR AND PATTERN.



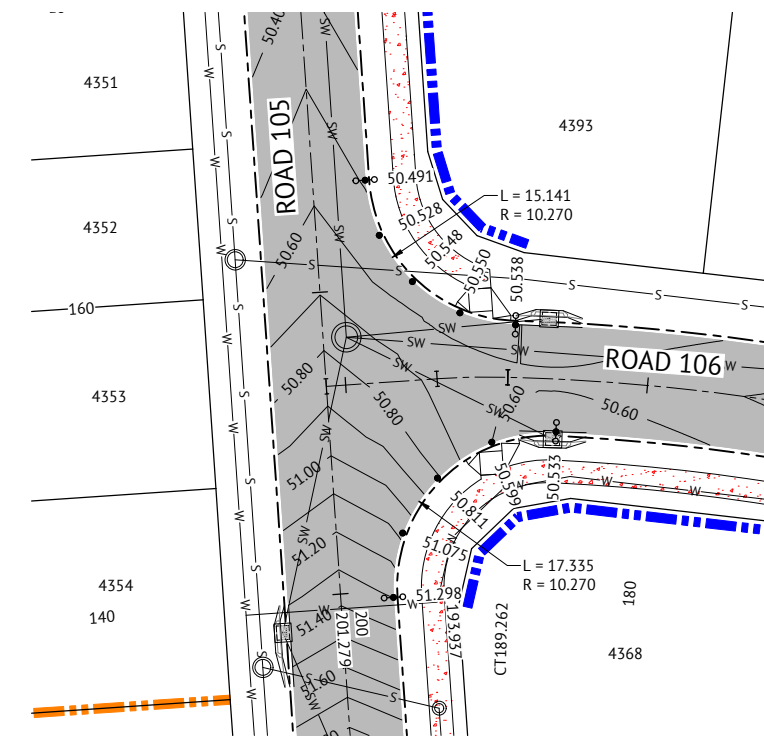
INTERSECTION ROAD 73 AND ROAD 107

SCALE 1:250



INTERSECTION ROAD 106 AND ROAD 107

SCALE 1:250



INTERSECTION ROAD 105 AND ROAD 106

SCALE 1:250

LEGEND - CONSTRUCTED

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

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

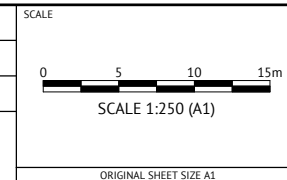
FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS	KK	PB
12/06/2024	B	ISSUED FOR CONSTRUCTION		KK	PB
17/05/2024	A	ORIGINAL ISSUE		KK	PB
				REC	APP



BRISBANE OFFICE
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BRISBANE, QLD 4000
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DESIGNED
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ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
(Signature)
PATRICK BRADY RP/EQ 7112



CLIENT
MIRVAC QLD PTY LTD

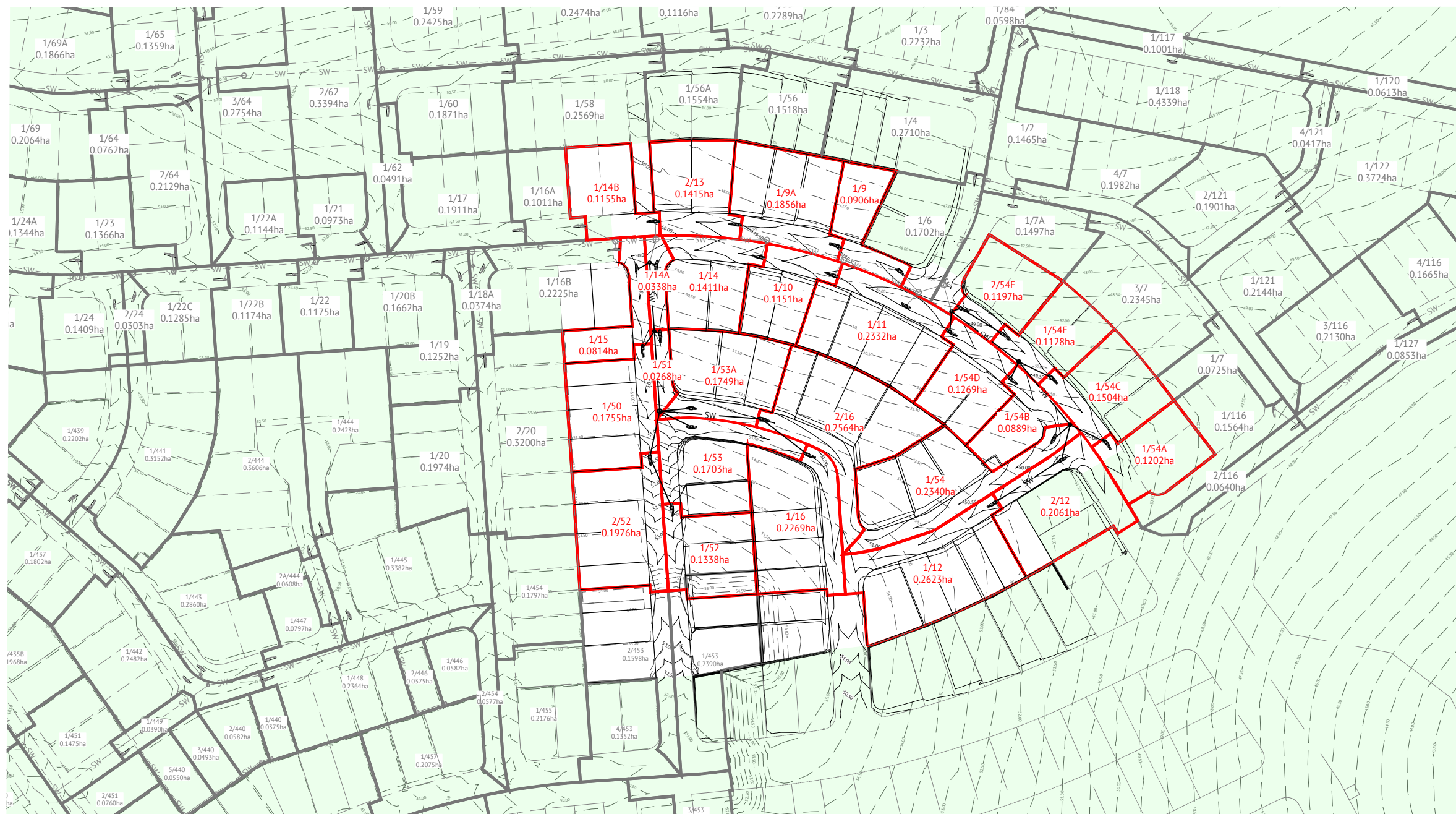
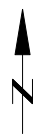
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
INTERSECTION DETAILS LAYOUT

JOB CODE
MIR-1005

SHEET NUMBER	REV
C320	B



LEGEND

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



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

DESIGNED
KLYNT KIWANG


CHECKED
ANDREW LANGDON

PROJECT MANAGER
NICK SOMERVILLE

PROJECT DIRECTOR
[Signature]
PATRICK BRADY

RPEQ 7112

SCALE



SCALE 1:1000 (A1)

ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

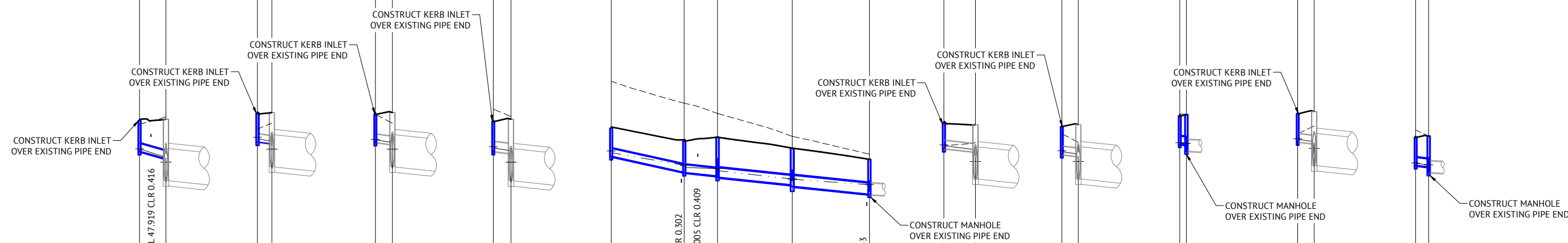
LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
STORMWATER CATCHMENT LAYOUT PLAN

JOB CODE
MIR-1005

SHEET NUMBER	REV
C400	B

STRUCTURE NAME	1/9	17/1	1/9A	16A/1	1/10	16A/1	1/11	17/1	1/12	2/12	3/12	4/12	5/12	2/13	16/1	1/14	16/1	1/14A	5/16	1/14B	15/1	1/15	5/16
STRUCTURE DESCRIPTION	IPWEA KERB INLET (SAG) L.L.I.: 2.4m Lintel	EXISTING IPWEA MANHOLE 2100mm DIA	IPWEA KERB INLET L.L.I.: 2.4m Lintel	EXISTING IPWEA MANHOLE 2100mm DIA	IPWEA KERB INLET L.L.I.: 2.4m Lintel	EXISTING IPWEA MANHOLE 2100mm DIA	IPWEA KERB INLET (SAG) L.L.I.: 2.4m Lintel	EXISTING IPWEA MANHOLE 2100mm DIA	IPWEA KERB INLET L.L.I.: 2.4m Lintel	IPWEA KERB INLET (SAG) L.L.I.: 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1200mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA KERB INLET L.L.I.: 2.4m Lintel	EXISTING IPWEA MANHOLE 2100mm DIA	IPWEA KERB INLET L.L.I.: 2.4m Lintel	EXISTING IPWEA MANHOLE 2100mm DIA	IPWEA KERB INLET (SAG) L.L.I.: 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA KERB INLET L.L.I.: 4.8m Lintel	EXISTING IPWEA MANHOLE 2100mm DIA	IPWEA KERB INLET (SAG) L.L.I.: 2.4m Lintel	IPWEA MANHOLE 1050mm DIA
PIPE SIZE (mm)	375		375		375		450		375	375	450	525		375		375		375		375		375	
PIPE CLASS	2		2		2		2		2	2	2	2		2		2		2		2		2	
PIPE GRADE (%)	2.50%		1.00%		1.00%		1.00%		2.15%	1.00%	1.00%	1.00%		1.00%		1.00%		1.00%		1.00%		1.00%	
PIPE SLOPE (1 in X)	40.0		100.0		100.0		100.0		46.6	100.0	100.0	100.0		100.0		100.0		100.0		100.0		100.0	
FULL PIPE VELOCITY (m/s)	0.21		0.39		0.24		0.34		0.50	0.99	1.20	1.13		0.30		0.30		0.08		0.25		0.19	
PART FULL VELOCITY (m/s)	1.52		1.32		1.15		1.38		1.86	1.67	1.92	2.05		1.22		1.22		1.15		1.15		1.07	
PIPE FLOW (cumecs)	0.023		0.044		0.027		0.055		0.056	0.109	0.190	0.244		0.033		0.033		0.009		0.027		0.021	
PIPE CAPACITY AT GRADE (cumecs)	0.277		0.175		0.175		0.285		0.257	0.175	0.285	0.430		0.175		0.175		0.175		0.175		0.175	
DATUM RL	31.0		31.0		31.0		31.0		33.0					32.0		32.0		32.0		32.0		33.0	
WSE IN STRUCTURE	47.347		47.886		47.792		47.445		49.252					48.535		48.259		48.634		48.820		48.692	
HGL IN PIPE	47.352		47.809		47.762		47.386		49.162					48.490		48.214		48.631		48.790		48.675	
DEPTH OF INVERT BELOW FSL	1.437		1.335		1.317		1.397		1.318	1.455	1.805	1.782	1.622	1.186		1.308		1.317		1.315		1.313	
INVERT LEVEL	47.223		47.659		47.644		47.225		48.991	48.260	48.085	47.597	47.237	48.359		48.083		48.566		48.673		48.572	
FINISHED (& EXISTING) SURFACE LEVEL	48.660 (48.499)		49.043 (48.547)		49.043 (48.547)		48.731 (48.850)		49.715 (51.477)	48.240	48.021	47.931	48.859 (49.099)	49.546 (48.521)		49.480 (48.650)		49.944 (49.959)		50.093 (49.416)		49.944 (49.959)	
CHAINAGE	0.000 12.324 12.324		6.720 6.720		7.944 7.944		8.247 8.247		34.052 34.052	15.533 49.584	34.844 84.478	36.000	120.428	14.705 14.705		7.690 7.690		3.085 5.085		7.717 7.717		6.112 6.112	



LINE 9 9A 10 11 12 13 14 14A 14B 15

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

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

DESIGNED
KLYNT KIWANG

CHECKED
ANDREW LANGDON

PROJECT MANAGER
NICK SOMERVILLE

PROJECT DIRECTOR
PATRICK BRADY

PKB
RPEQ 7112

SCALE

HORIZONTAL 1:1000 (A1)
0 20 40 60m

VERTICAL 1:100 (A1)
0 4 6m

ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 1

JOB CODE
MIR-1005

SHEET NUMBER
C410

REV
B

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

STRUCTURE NAME	1/16	2/16	3/16	4/16	5/16	1/50	4/16	1/51	4/16	1/52	2/52	3/16	1/53	3/16	1/53A	3/16	1/54	3/12	1/54A	3/12	1/54B	4/12	1/54C	4/12
STRUCTURE DESCRIPTION	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA MANHOLE 1500mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA MANHOLE 1050mm DIA	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA KERB INLET L.I.L., 2.4m Lintel ON 1050mm DIA MANHOLE	IPWEA MANHOLE 1500mm DIA	IPWEA KERB INLET (SAG) L.I.L., 2.4m Lintel	IPWEA MANHOLE 1500mm DIA	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA MANHOLE 1500mm DIA	IPWEA KERB INLET (SAG) L.I.L., 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA MANHOLE 1050mm DIA	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA MANHOLE 1200mm DIA	IPWEA KERB INLET L.I.L., 2.4m Lintel	IPWEA MANHOLE 1200mm DIA
PIPE SIZE (mm)	375	375	450	450		375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375	375
PIPE CLASS	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PIPE GRADE (%)	1.00%	0.80%	0.80%	1.44%		1.00%	1.00%	1.00%	1.00%	5.25%	4.00%	1.00%	1.00%	1.20%	1.00%	1.00%	1.00%	1.02%	1.02%	1.00%	1.00%	1.00%	1.21%	
PIPE SLOPE (1 in X)	100.0	125.0	125.0	69.5		100.0	100.0	100.0	100.0	19.0	25.0	100.0	100.0	83.3	100.0	97.8	100.0	97.8	100.0	100.0	100.0	100.0	82.5	
FULL PIPE VELOCITY (m/s)	0.48	1.02	1.67	1.96		0.40	0.06	0.77	0.77	2.16	2.52	0.36	1.29	0.37	1.38	0.50	1.40	0.50	1.17	1.17	1.07	1.07	1.33	
PART FULL VELOCITY (m/s)	1.39	1.54	1.82	2.44		1.32	0.40	0.77	0.77	2.16	2.52	1.29	1.29	1.38	1.38	1.40	1.40	1.40	1.17	1.17	1.07	1.07	1.33	
PIPE FLOW (cumecs)	0.053	0.113	0.265	0.311		0.044	0.007	0.007	0.007	0.031	0.075	0.040	0.040	0.041	0.041	0.041	0.055	0.055	0.028	0.028	0.021	0.021	0.035	
PIPE CAPACITY AT GRADE (cumecs)	0.175	0.157	0.255	0.342		0.175	0.175	0.175	0.175	0.402	0.351	0.175	0.175	0.192	0.192	0.175	0.175	0.175	0.177	0.177	0.175	0.175	0.193	
DATUM RL	34.0					34.0	34.0	34.0	34.0	36.0	36.0	35.0	35.0	35.0	35.0	33.0	33.0	33.0	33.0	33.0	32.0	32.0	32.0	
SEWER 150mm I.L. 48.373 CLR 0.374																								
SEWER 150mm I.L. 47.790 CLR 0.319																								
SEWER 150mm I.L. 49.543 CLR 0.328																								
WATER 100mm I.L. 50.578 CLR 0.305																								
WATER 100mm I.L. 48.967 CLR 0.346																								
WSE IN STRUCTURE	49.916	49.837	49.555	49.108	48.605	49.173	49.108	49.110	49.108	51.326	50.170	49.555	49.610	49.555	49.589	49.555	48.538	48.815	48.815	48.437	48.117	47.948	48.356	47.948
HGL IN PIPE	49.833	49.837	49.545	49.108	48.605	49.096	49.108	49.108	49.108	51.286	50.170	49.545	49.545	49.545	49.540	49.545	48.416	48.782	48.782	48.431	48.328	48.099	48.005	48.285
DEPTH OF INVERT BELOW FSL	1.231	1.313	1.689	1.545	1.691	1.335	1.318	1.318	1.318	1.344	1.475	1.645	1.721	1.578	1.196	1.764	1.474	1.338	1.338	1.755	1.869	1.312	1.464	1.337
INVERT LEVEL	49.665	49.419	48.971	48.678	48.254	48.945	48.892	48.892	48.892	51.159	49.911	49.090	49.311	49.157	49.337	48.971	48.228	48.662	48.662	48.487	48.021	47.996	47.916	48.150
FINISHED (& EXISTING) SURFACE LEVEL	50.896 (53.395)	50.732 (52.932)	50.735 (53.679)	50.242 (51.656)	49.944 (49.959)	50.280 (52.192)	50.242 (51.656)	50.210 (51.683)	50.242 (51.656)	52.503 (55.917)	51.386 (54.948)	50.735 (53.679)	50.533 (53.820)	50.735 (53.679)	50.532 (53.248)	50.735 (53.679)	49.702 (51.280)	49.890 (50.998)	50.000 (50.979)	49.890 (50.998)	49.316 (50.998)	49.308 (50.348)	49.380 (49.931)	49.487 (50.176)
CHAINAGE	0.000	24.680	44.025	68.706	132.398	0.000	9.014	0.000	2.865	0.000	23.775	20.017	0.000	15.416	13.586	0.000	9.316	0.000	17.108	0.000	8.072	0.000	0.000	15.708
LINE	16					50		51		52		53		53A		54		54A		54B		54C		

CONSTRUCT MANHOLE
OVER EXISTING PIPE END

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

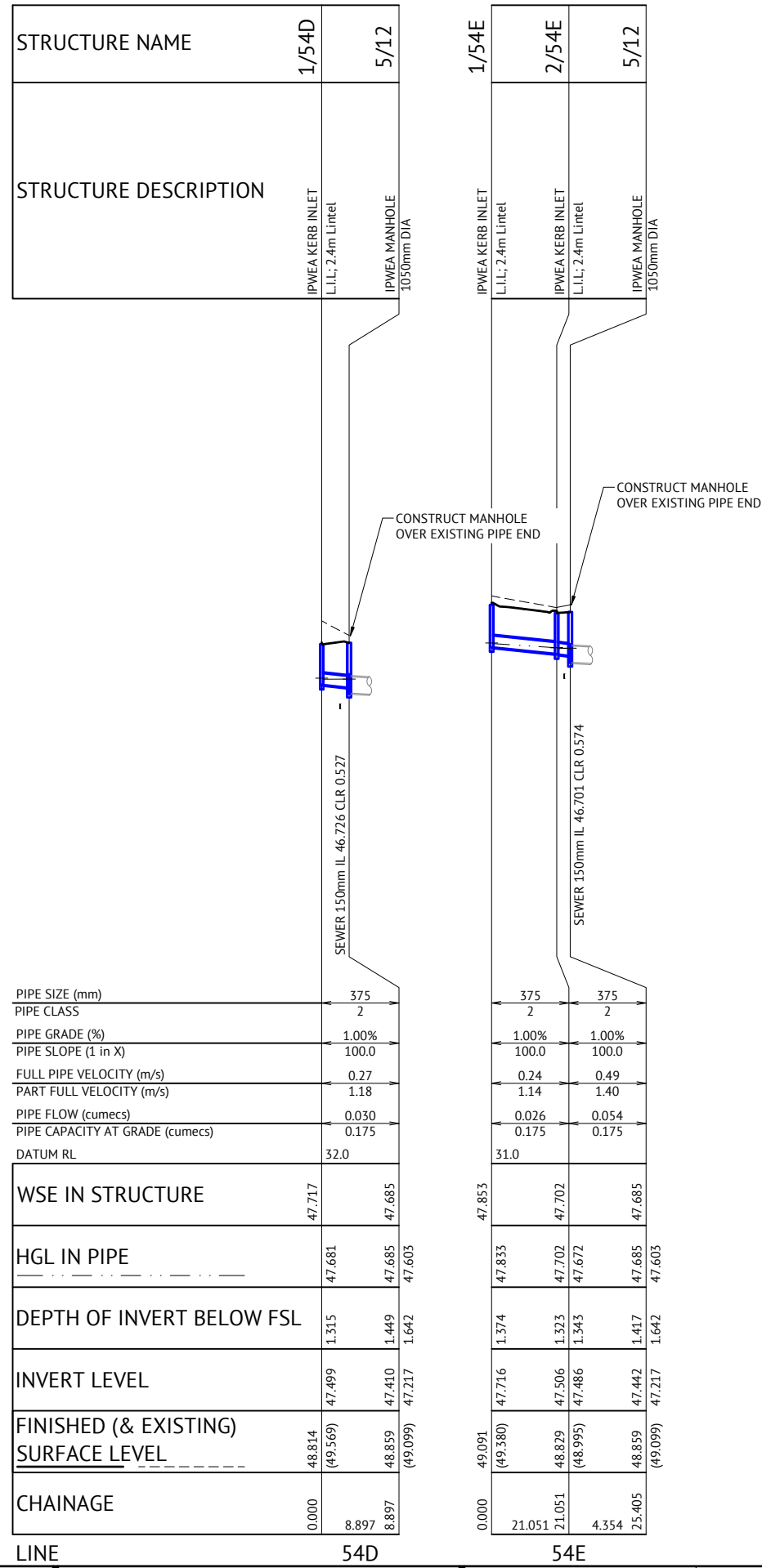
Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

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

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

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 2

JOB CODE
MIR-1005
 SHEET NUMBER
C411
 REV
B



LINE 54D 54E

FOR CONSTRUCTION



BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
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DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
(Signature)
PATRICK BRADY RPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
STORMWATER DRAINAGE LONG SECTIONS - SHEET 3

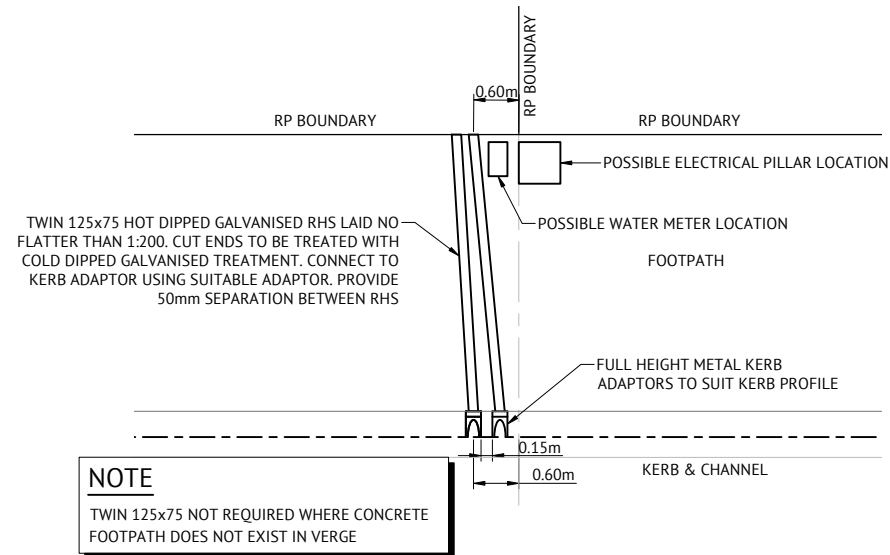
JOB CODE
MIR-1005
SHEET NUMBER
C412
REV
B

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

REVISIONS

STORMWATER DRAINAGE NOTES

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



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

REFERENCE POINT LOCATION FOR DRAINAGE STRUCTURES

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

EXCAVATION IN ROCK NOTE:

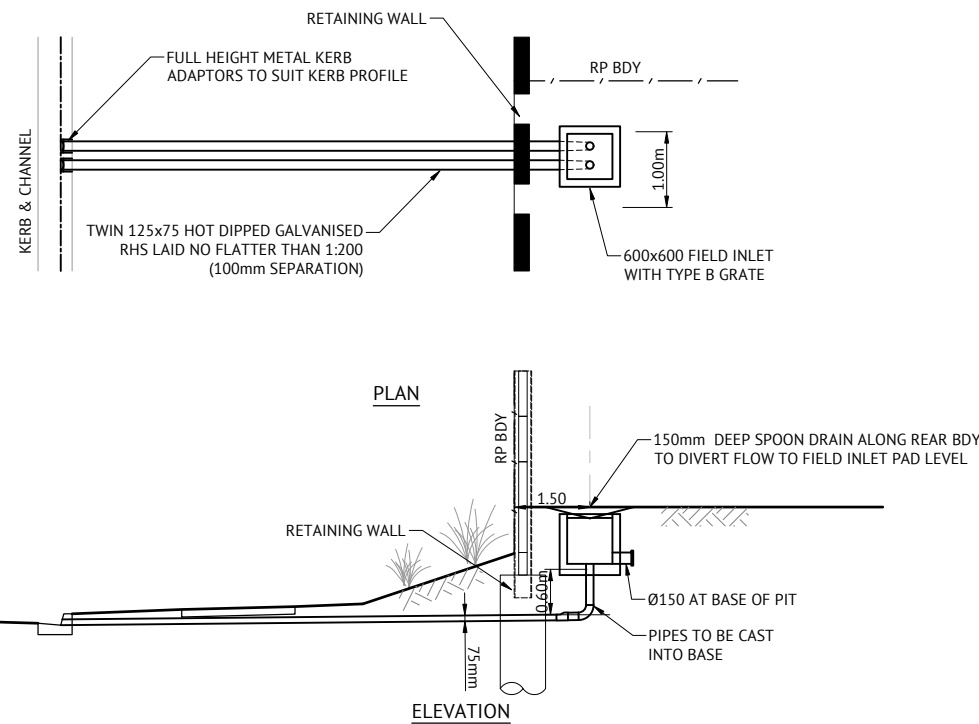
CONTRACT SHALL INCLUDE TREATING, SIZING CONDITIONING AND PROCESSING ALL TYPES OF ROCK IN ALL EXCAVATIONS. PROCESSING TO BE COMPLETED AS PER MORRISON GEOTECHNICAL REPORTS TO ENSURE LEVEL 1 IS ACHIEVED.

TRENCH SPOIL NOTE:

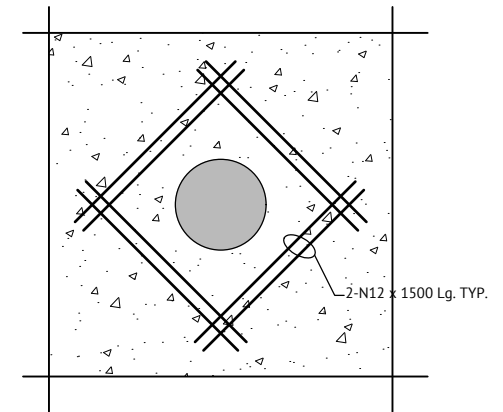
SPOILAGE OF EXCESS MATERIAL TO BE PLACED INTO THE SOUTHERN DAM REHABILITATION AREA INCLUDING ALL LEVEL ONE COMPACTION REQUIREMENTS AND TESTING IN ACCORDANCE WITH MORRISON GEOTECHNICAL SPECIFICATION AND ALL LOCAL AUTHORITY STANDARDS, AND SHALL BE FREE DRAINING.

NOTE:

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



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



TYPICAL DETAIL
GRADED PIT IN CONCRETE PAVEMENT
SCALE 1:20

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



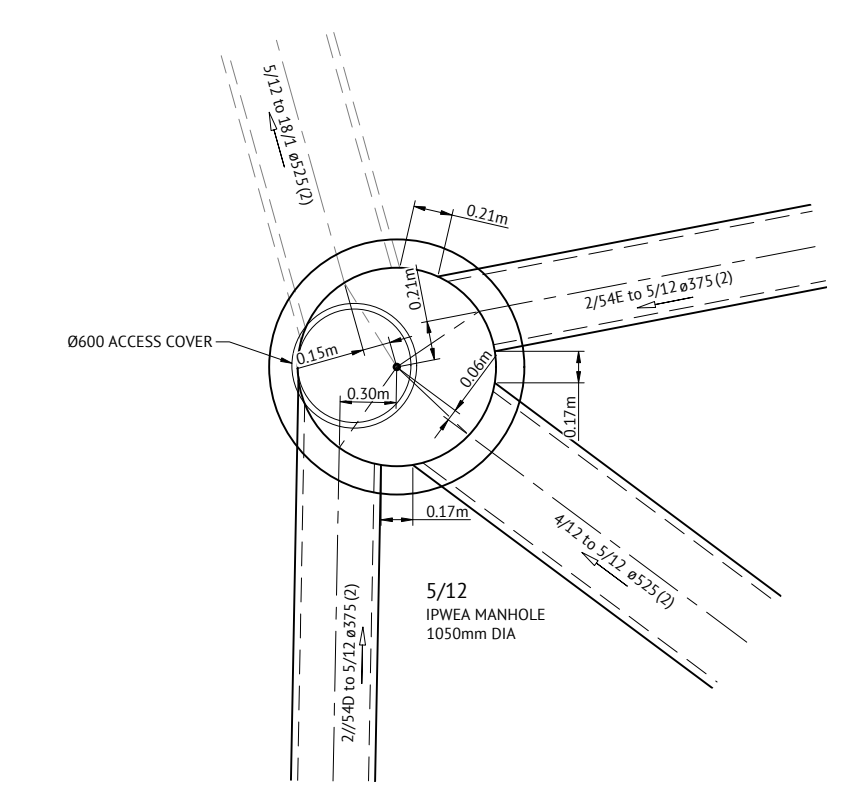
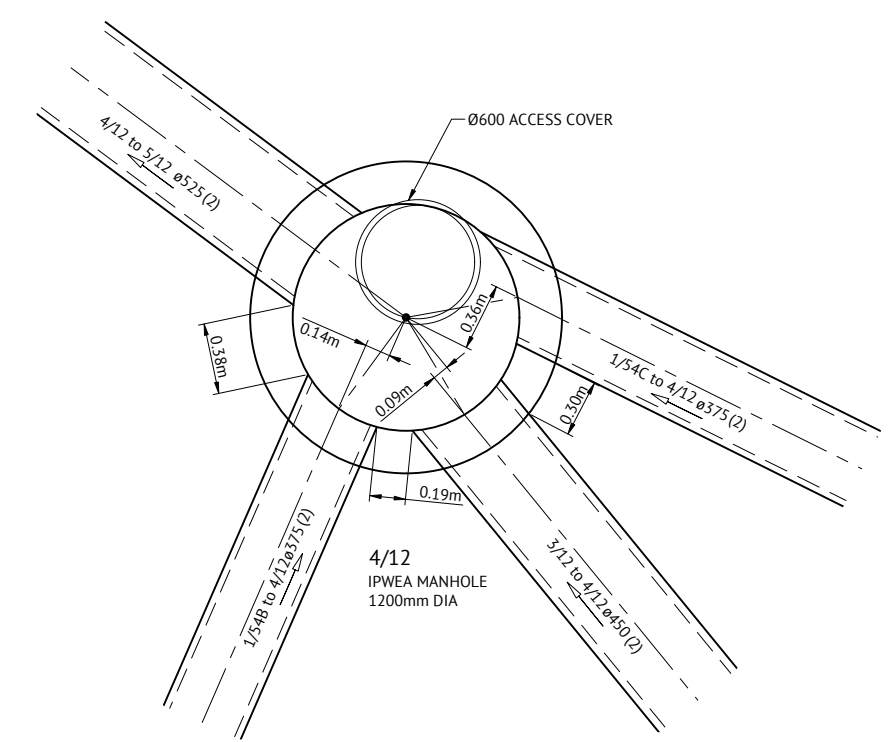
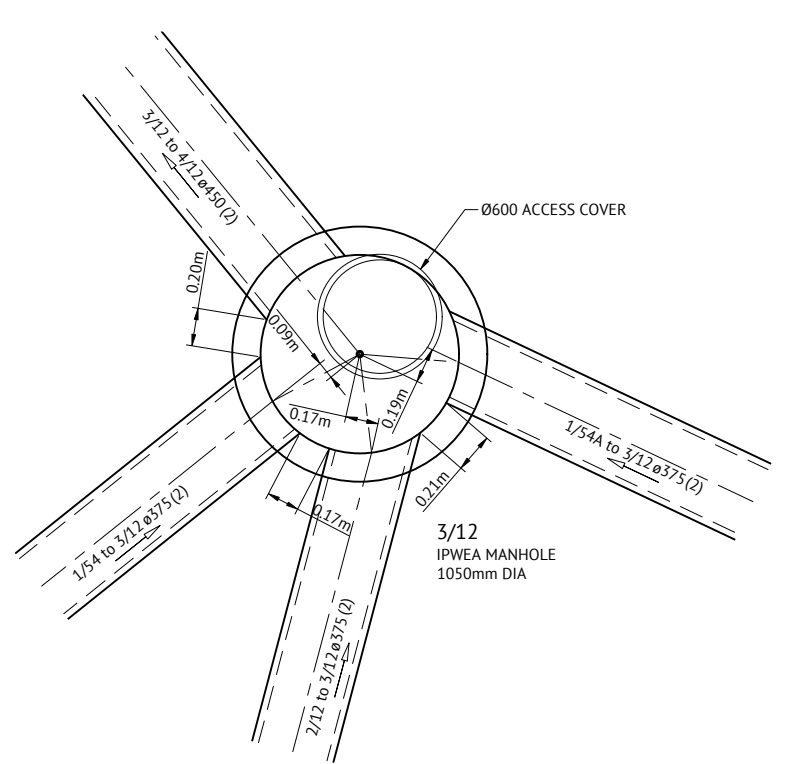
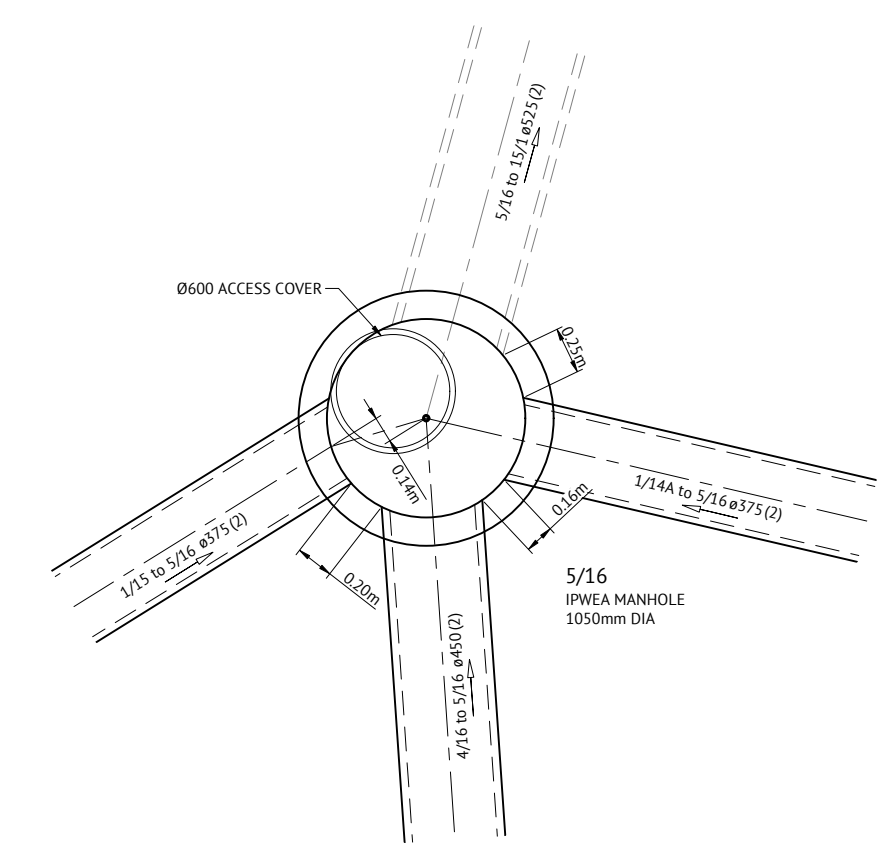
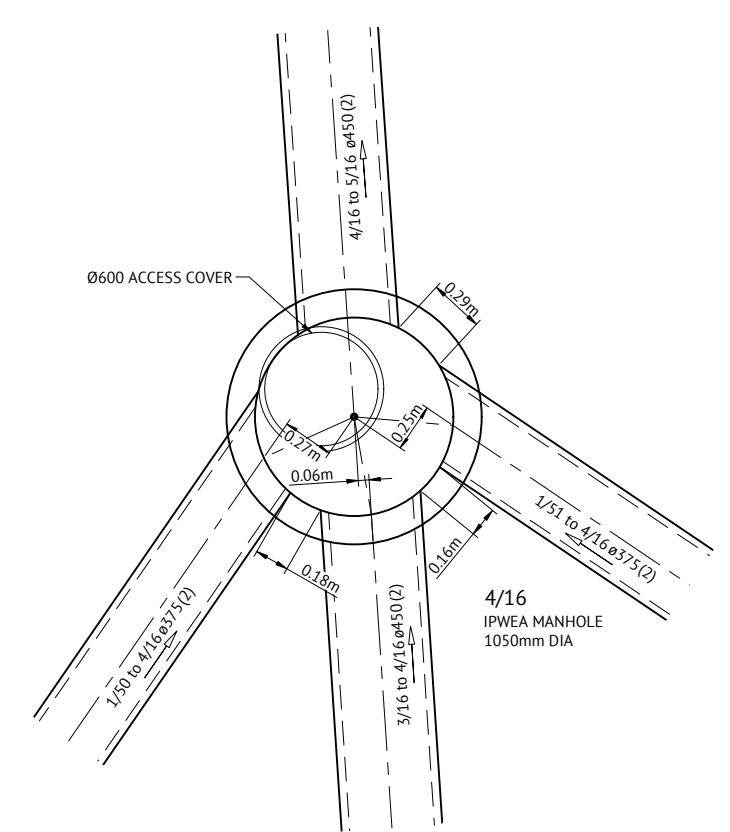
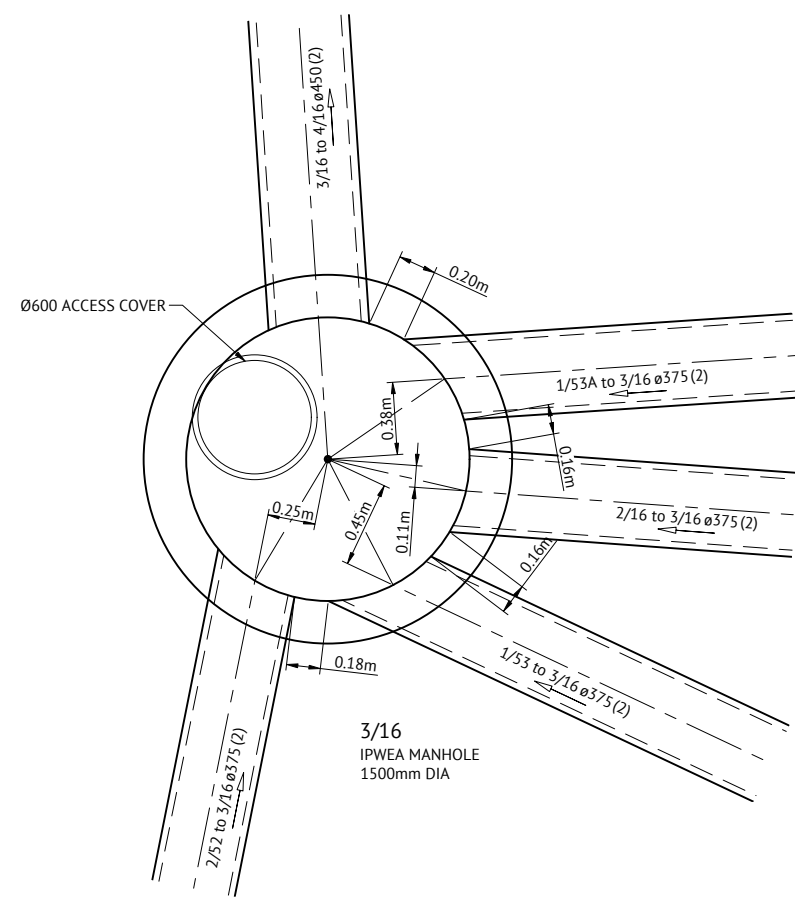
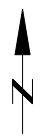
BRISBANE OFFICE
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DESIGNED
KLYNT KIWANG
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ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PKB
PATRICK BRADY RP/EQ 7112

SCALE
NTS
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
STORMWATER DRAINAGE NOTES AND DETAILS

JOB CODE
MIR-1005
SHEET NUMBER
C420
REV
B

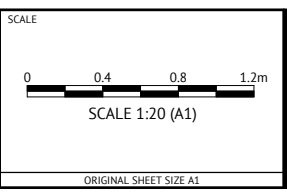


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17/05/2024	A	ORIGINAL ISSUE	KK	PB

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 RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
STORMWATER DRAINAGE STRUCTURE DETAILS

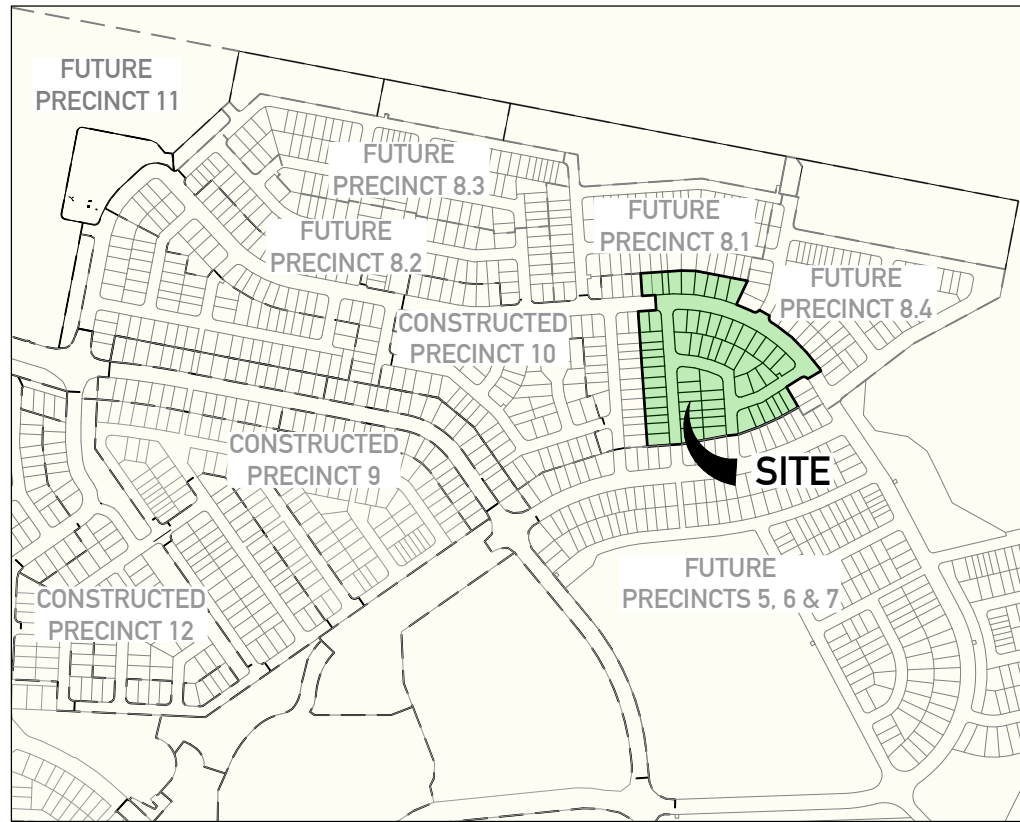
JOB CODE MIR-1005	
SHEET NUMBER C430	REV B

EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC QLD PTY LTD

SEWERAGE



LOCALITY PLAN

REAL PROPERTY DESCRIPTION

LOT 205 & 434 on RP845844
 LOT 9 on S312355

NAME OF ESTATE	EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT	
SUBDIVIDER	Mirvac QLD Pty Ltd	
APPLICATION No.	DEV2022/1277	
SP DELEGATE APPROVAL DATE	11/11/2022	
COUNCIL DA APPROVAL No.	-	
DRAWING/PLAN No.	C510-C511	
No. OF ALLOTMENTS	62	
AREA ha	3.92ha	
LENGTH OF SEWERS	DN150 uPVC SN8	1171.73m

GENERAL NOTES

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

VEGETATION PROTECTION

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

SOIL

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

CREEK CROSSINGS

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

REHABILITATION

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

SAFETY

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

INDEMNITY - EXISTING SERVICES

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

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

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

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

TRENCH SPOIL NOTE:

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

EXCAVATION IN ROCK NOTE:

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

SHEET LIST TABLE

SHEET NO.	SHEET TITLE
C500	SEWERAGE LOCALITY PLAN & NOTES
C510	SEWERAGE LAYOUT PLAN - SHEET 1
C511	SEWERAGE LAYOUT PLAN - SHEET 2
C520	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 1
C521	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 2
C522	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 3
C523	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 4
C524	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 5
C525	SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 6
C530	SEWERAGE NOTES AND DETAILS

FOR CONSTRUCTION

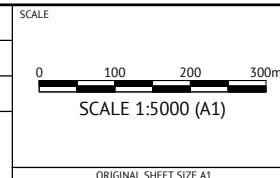
DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB



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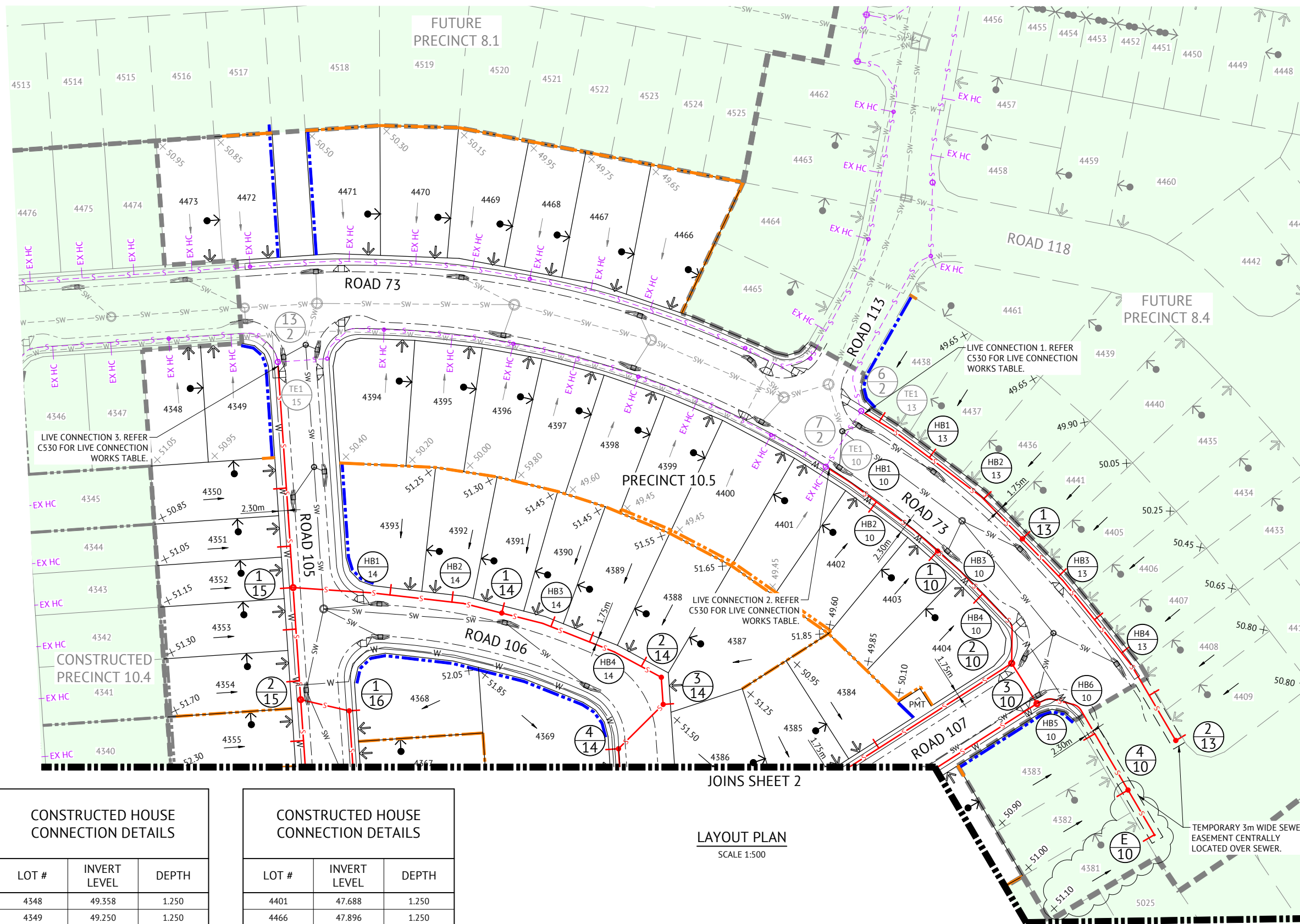
DESIGNED
KLYNT KIWANG
 CHECKED
ANDREW LANGDON
 PROJECT MANAGER
NICK SOMERVILLE
 PROJECT DIRECTOR

PATRICK BRADY RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
SEWERAGE LOCALITY PLAN & NOTES

JOB CODE
MIR-1005
 SHEET NUMBER
C500
 REV
B



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

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

JOINS SHEET 2

LAYOUT PLAN
SCALE 1:500

CONSTRUCTED HOUSE CONNECTION DETAILS

LOT #	INVERT LEVEL	DEPTH
4348	49.358	1.250
4349	49.250	1.250
4394	48.689	1.250
4395	48.470	1.250
4396	48.271	1.250
4397	48.064	1.250
4398	47.855	1.250
4399	47.651	1.250
4400	47.547	1.250

CONSTRUCTED HOUSE CONNECTION DETAILS

LOT #	INVERT LEVEL	DEPTH
4401	47.688	1.250
4466	47.896	1.250
4467	48.096	1.250
4468	48.269	1.250
4469	48.453	1.250
4470	48.616	1.250
4471	48.820	1.250
4472	49.113	1.250
4473	49.289	1.250

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

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

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

FOR SEWERAGE RETICULATION NOTES REFER DWG No. C500.

ALL PROPERTY CONNECTIONS DIA 100 PVC UNLESS OTHERWISE DENOTED.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	EXTENDED SEWER TO LOT 4381	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

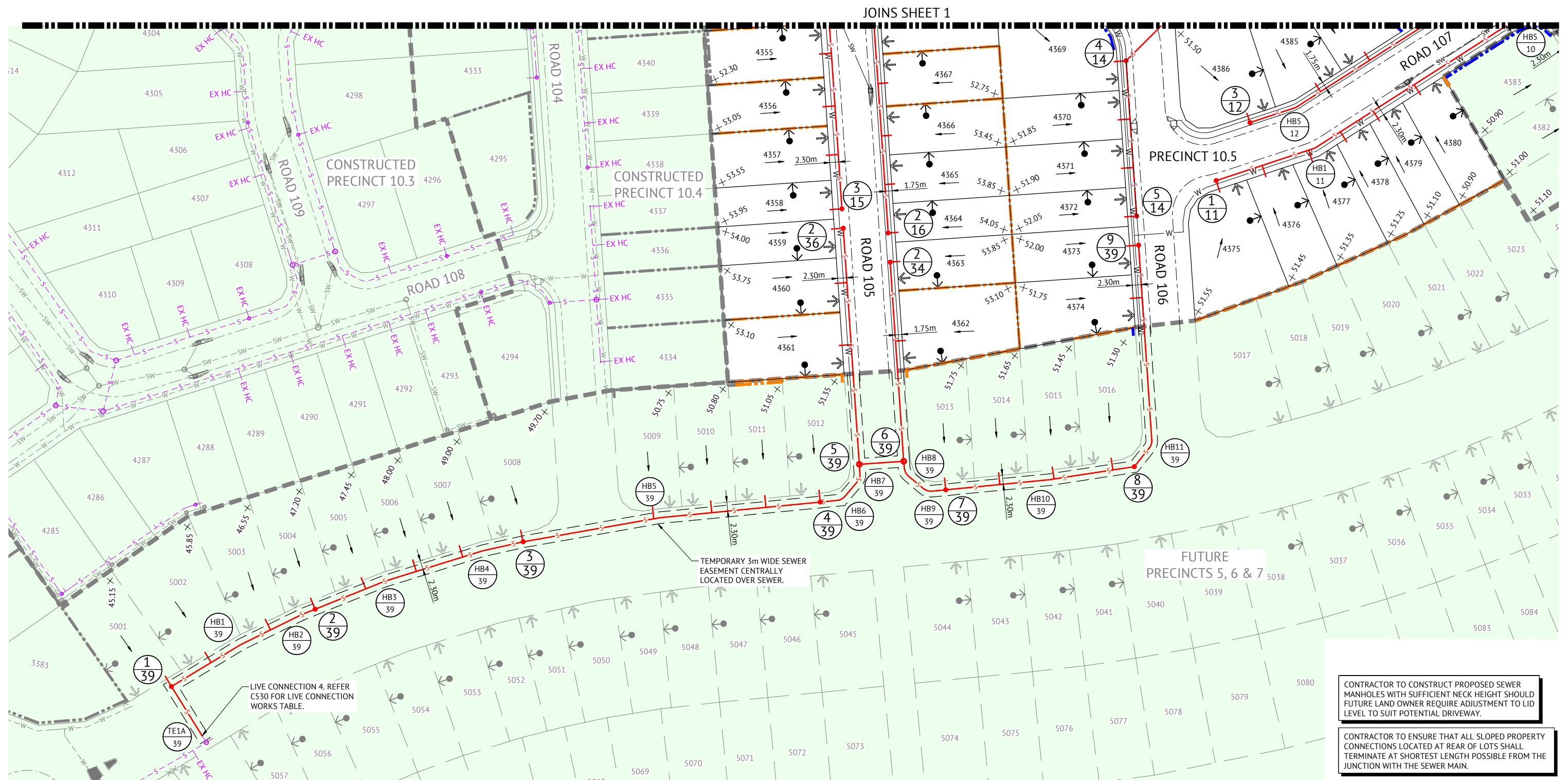
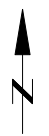
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DESIGNED
KLYNT KIWANG
CHECKED
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PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
KPEQ 7112

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE LAYOUT PLAN - SHEET 1

JOB CODE
MIR-1005
SHEET NUMBER
C510
REV
B



LAYOUT PLAN
SCALE 1:500

FOR LEGEND REFER DWG No. C510.

FOR SEWERAGE RETICULATION NOTES REFER DWG No. C500.

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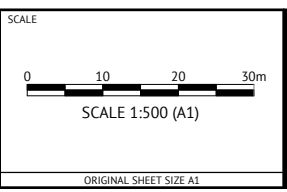
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FOR CONSTRUCTION			
DATE	REV	DESCRIPTION	REVISIONS
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			REC APP

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PATRICK BRADY
RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE LAYOUT PLAN - SHEET 2

JOB CODE MIR-1005	
SHEET NUMBER C511	REV B

MAINTENANCE HOLE / SHAFT NO.	TE1/10	HB1/10	HB2/10	1/10	HB3/10	HB4/10	2/10	3/10	HB5/10	HB6/10	4/10	E/10
MH / MS COVER TYPE	TE	LRB	LRB	B	LRB	LRB	B	B	LRB	LRB	B	B
MH / MS TYPE				J			A	A			J	J
MH DROP TYPE				V			W	V	V		V	V
LINE NO.	10			10			12	10	11	10		10
PROPERTY CONNECTION DEPTH												
PROPERTY CONNECTION INVERT LEVEL		47.913	48.197	48.423		49.070	49.293	49.322				
PROPERTY CONNECTION TYPE		B	B	B		B	B	B				
LOT NO.	4402	4403	4404		4383	4382	4381					

	3/10	HB1/11	1/11
MH / MS COVER TYPE	B		B
MH / MS TYPE	A		J
MH DROP TYPE	V		
LINE NO.	11		
PROPERTY CONNECTION DEPTH			
PROPERTY CONNECTION INVERT LEVEL		49.177	49.384
PROPERTY CONNECTION TYPE		B	B
LOT NO.	4380	4379	4378

LEGEND
 RR DENOTES ROAD RESERVE
 PP DENOTES PRIVATE PROPERTY

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

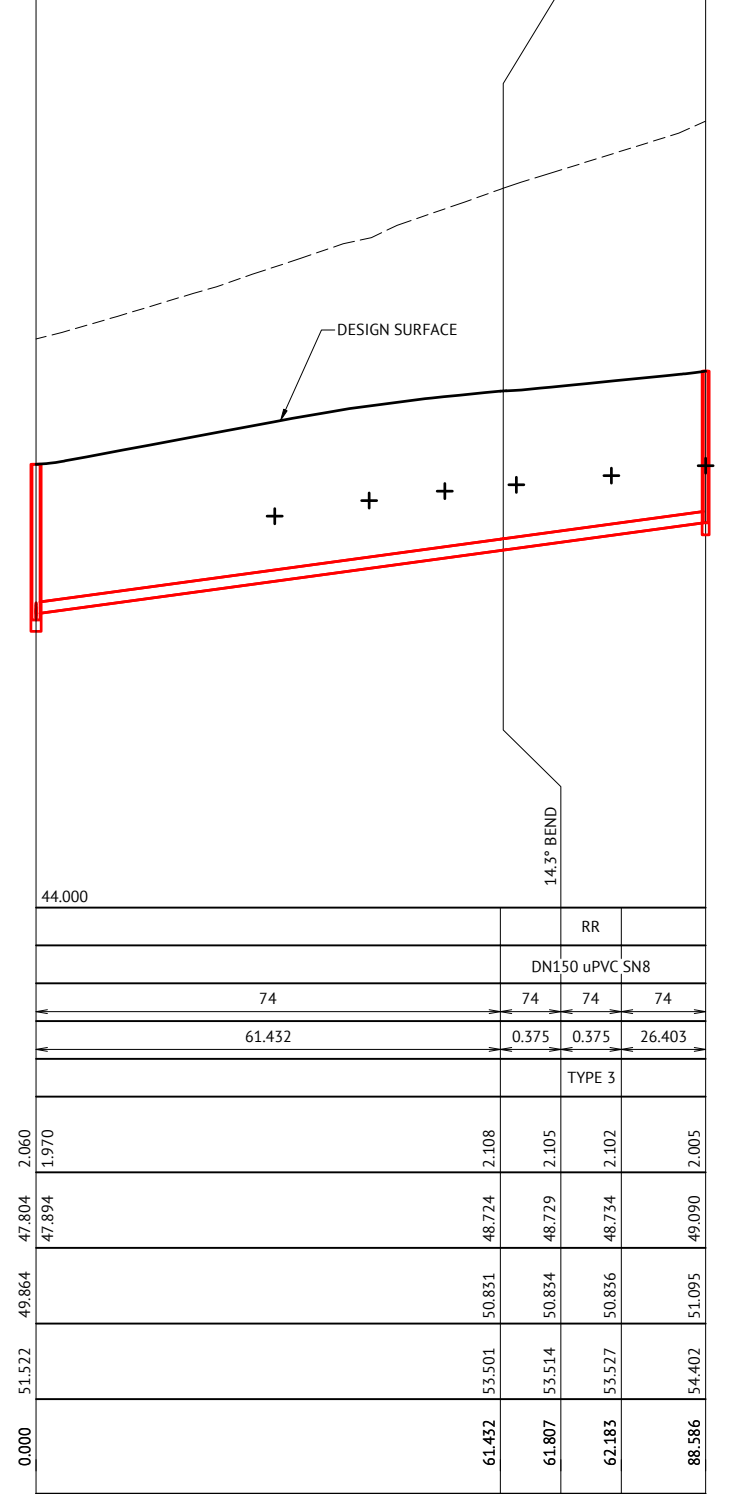
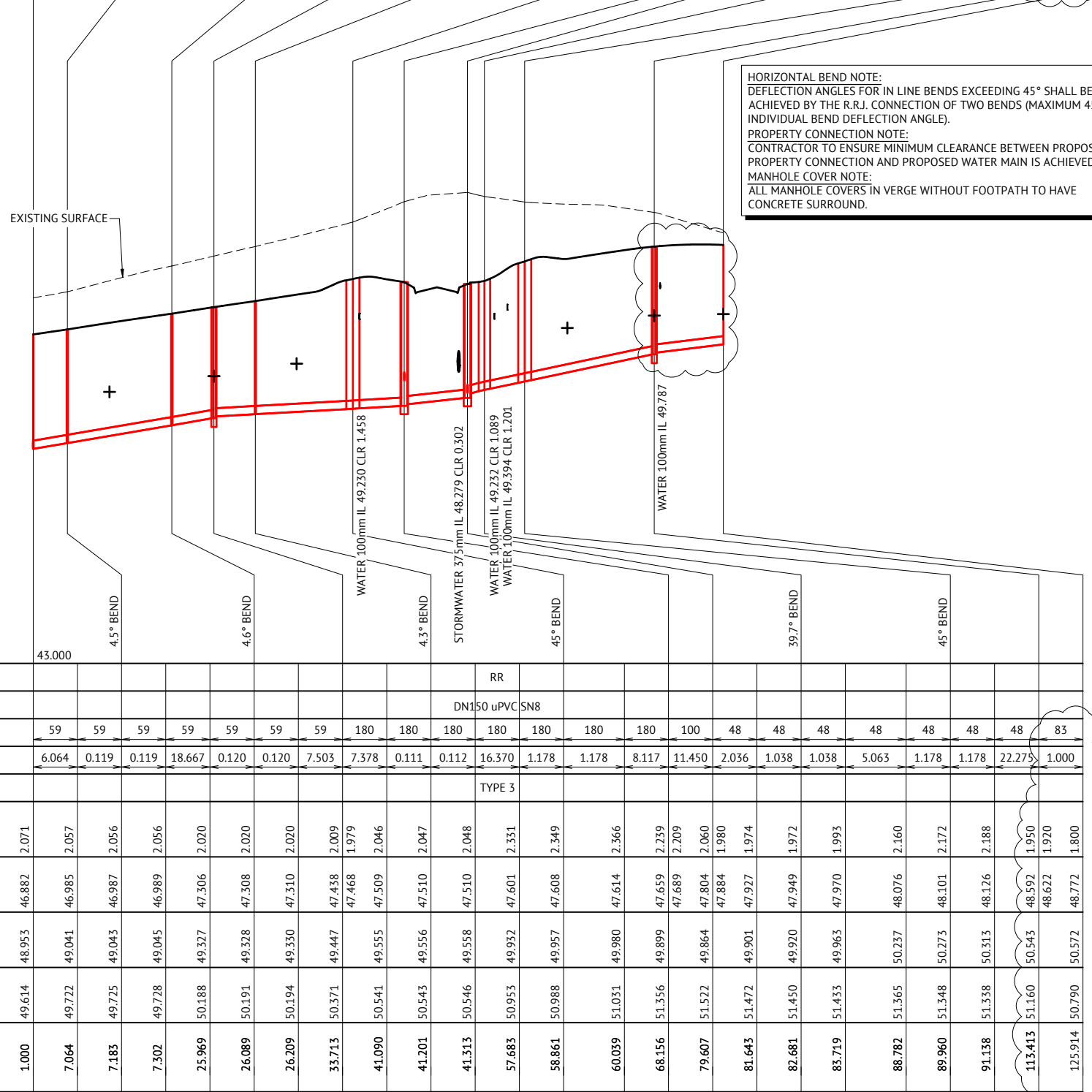
LID TYPES	
B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

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

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

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

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



DATUM RL	43.000																											
PROPERTY DESCRIPTION	RR																											
PIPE SIZE (mm), CLASS	DN150 uPVC SN8																											
GRADE (1 IN X)	59	59	59	59	59	59	59	180	180	180	180	180	180	100	48	48	48	48	83									
LENGTH	6.064	0.119	0.119	18.667	0.120	0.120	7.503	7.378	0.111	0.112	16.370	1.178	1.178	8.117	11.450	2.036	1.038	1.038	5.063	1.178	1.178	22.275	1.000					
EMBEDMENT TYPE	TYPE 3																											
DEPTH OF INVERT BELOW FSL	2.071	2.057	2.056	2.056	2.020	2.020	2.020	2.009	1.979	2.046	2.047	2.048	2.331	2.349	2.366	2.239	2.209	2.060	1.980	1.974	1.972	1.993	2.160	2.172	2.188	1.950	1.920	1.800
INVERT LEVEL (IL)	46.882	46.985	46.987	46.989	47.306	47.308	47.310	47.438	47.468	47.509	47.510	47.601	47.608	47.614	47.659	47.689	47.804	47.884	47.927	47.949	47.970	48.076	48.101	48.126	48.592	48.622	48.772	
FINISHED SURFACE LEVEL (FSL)	48.953	49.041	49.043	49.045	49.327	49.328	49.330	49.447	49.468	49.555	49.556	49.558	49.932	49.937	49.980	49.899	49.864	49.884	49.901	49.920	49.963	50.237	50.273	50.313	50.543	50.543	50.572	
EXISTING SURFACE LEVEL (ESL)	49.614	49.772	49.725	49.728	50.188	50.191	50.194	50.371	50.541	50.541	50.546	50.953	50.988	51.031	51.356	51.522	51.472	51.450	51.433	51.365	51.348	51.358	51.160	51.160	50.790	50.790		
CHAINAGE (CH)	1.000	7.064	7.183	7.302	25.969	26.089	26.209	33.713	41.090	41.201	41.313	57.683	58.861	60.039	68.156	79.607	81.643	82.681	83.719	88.782	89.960	91.138	113.413	125.914				

DATUM RL	44.000			
PROPERTY DESCRIPTION	RR			
PIPE SIZE (mm), CLASS	DN150 uPVC SN8			
GRADE (1 IN X)	74	74	74	74
LENGTH	61.432	0.375	0.375	26.403
EMBEDMENT TYPE	TYPE 3			
DEPTH OF INVERT BELOW FSL	2.060	1.970	2.108	2.005
INVERT LEVEL (IL)	47.804	47.894	48.724	49.090
FINISHED SURFACE LEVEL (FSL)	49.864	50.851	50.834	51.095
EXISTING SURFACE LEVEL (ESL)	51.522	53.501	53.527	54.402
CHAINAGE (CH)	61.432	61.807	62.183	88.586

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	EXTENDED SEWER LINE 10	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

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 PROJECT MANAGER
 NICK SOMERVILLE
 PROJECT DIRECTOR
 PATRICK BRADY
 NPEQ 7112

SCALE
 HORIZONTAL 1:500 (A1)
 VERTICAL 1:50 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
 MIRVAC QLD PTY LTD
 PROJECT
 EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
 TEVIOT ROAD, GREENBANK
 SHEET TITLE
 SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 1

JOB CODE
 MIR-1005
 SHEET NUMBER
 C520
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 B

MAINTENANCE HOLE / SHAFT NO.	2/10	HB5/12	3/12
MH / MS COVER TYPE	B		B
MH / MS TYPE	A		LRB
MH DROP TYPE	W	V	
LINE NO.	12	10	
PROPERTY CONNECTION DEPTH		4384 B 49.325 1.250	4385 B 49.533 1.250
PROPERTY CONNECTION INVERT LEVEL		49.747 1.250	4386 B
PROPERTY CONNECTION TYPE			
LOT NO.			

TE1/13	HB1/13	HB2/13	1/13	HB3/13	HB4/13	2/13
TE	LRB	LRB	B	LRB	LRB	B
			J			J
			V			
			13			
4438	4437	4436	4441	4405	4406	4407
1.250	1.250	1.250	1.250	1.250	1.250	1.250
47.832	47.977	48.223	48.596	48.577	48.763	48.917
B	B	B	B	B	B	B
4408	4409	4408	4409	4408	4409	4409
1.250	1.250	1.250	1.250	1.250	1.250	1.250
49.089	49.383	49.089	49.383	49.089	49.383	49.383
B	B	B	B	B	B	B

1/15	HB1/14	HB2/14	1/14	HB3/14
B			B	
A	LRB	LRB	J	LRB
V			V	
14			14	
4393	4392	4391		
1.250	1.250	1.250		
49.458	49.556	49.652		
B	B	B		

LEGEND RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

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

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

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

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

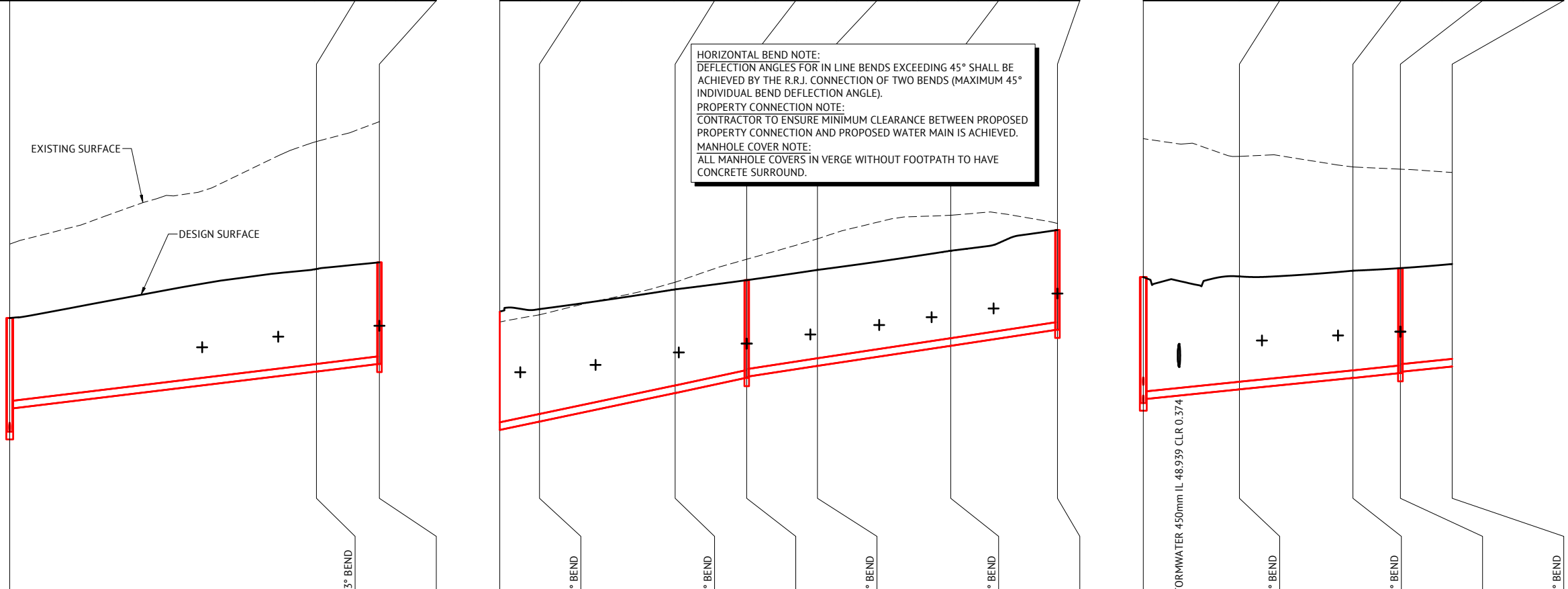
NOTES:
1. EMBEDMENT TYPE 3 SHALL USE CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).
2. DUCTILE IRON PIPES SHALL HAVE MIN. 1300 MICRON POLYURETHANE INTERNAL LINING.

DATUM RL	44.000	14.3° BEND
PROPERTY DESCRIPTION	RR	
PIPE SIZE (mm), CLASS	DN150 uPVC SN8	
GRADE (1 IN X)	83	83 83 83
LENGTH	60.086	0.375 0.375 12.038
EMBEDMENT TYPE	TYPE 3	
DEPTH OF INVERT BELOW FSL	2.239 1.779	2.018 2.020 2.023 2.003
INVERT LEVEL (IL)	47.659 48.119	48.841 48.845 48.850 48.994
FINISHED SURFACE LEVEL (FSL)	49.899	50.859 50.865 50.872 50.997
EXISTING SURFACE LEVEL (ESL)	51.356	53.365 53.376 53.387 53.768
CHAINAGE (CH)	0.000	60.086 60.462 60.837 72.875

DATUM RL	43.000	5.8° BEND	8.8° BEND	5.2° BEND	8.5° BEND
PROPERTY DESCRIPTION	RR				
PIPE SIZE (mm), CLASS	DN150 uPVC SN8				
GRADE (1 IN X)	48	48 48 48 48 48	67	67 67 67 67 67	
LENGTH	7.681	0.151 0.151 26.355 0.232 0.231 13.878 13.811 0.137 0.137 25.898 0.222 0.223 20.816			
EMBEDMENT TYPE	TYPE 3				
DEPTH OF INVERT BELOW FSL	2.326 2.216 2.215 2.214 2.043 2.042 2.040 1.927 1.897 1.890 1.890 1.889 1.873 1.873 1.965				
INVERT LEVEL (IL)	46.696 46.858 46.861 46.864 47.418 47.423 47.427 47.719 47.749 47.956 47.958 47.960 48.349 48.352 48.355 48.668				
FINISHED SURFACE LEVEL (FSL)	49.022 49.074 49.076 49.078 49.461 49.464 49.467 49.646 49.749 49.846 49.848 49.850 50.222 50.225 50.228 50.633				
EXISTING SURFACE LEVEL (ESL)	48.824 48.962 48.965 48.968 49.599 49.606 49.613 50.058 50.456 50.461 50.465 50.923 50.924 50.926 50.762				
CHAINAGE (CH)	1.000 8.681 8.832 8.984 35.339 35.571 35.802 49.680 63.492 63.628 63.765 89.663 89.884 90.107 110.923				

DATUM RL	44.000	2.8° BEND	7.6° BEND	7.6° BEND
PROPERTY DESCRIPTION	RR			
PIPE SIZE (mm), CLASS	DN150 uPVC SN8			
GRADE (1 IN X)	100	100 100 100 100 100	100	100 100 100
LENGTH	18.880	0.073 0.073 22.095 0.198 0.197 9.165 10.007 0.198		
EMBEDMENT TYPE	TYPE 3			
DEPTH OF INVERT BELOW FSL	2.480 2.400 2.225 2.224 2.222 2.113 2.112 2.111 2.069 2.039 2.019 2.018			
INVERT LEVEL (IL)	48.226 48.306 48.495 48.496 48.497 48.718 48.720 48.722 48.813 48.843 48.944 48.946			
FINISHED SURFACE LEVEL (FSL)	50.706 50.720 50.719 50.719 50.851 50.832 50.833 50.882 48.813 48.843 50.962 50.964			
EXISTING SURFACE LEVEL (ESL)	53.432 53.083 53.083 53.084 52.878 52.875 52.874 52.832 52.832 52.768 52.767			
CHAINAGE (CH)	0.000 18.880 18.953 19.025 41.120 41.318 41.516 50.681 60.688 60.886			

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



LINE 12

LINE 13

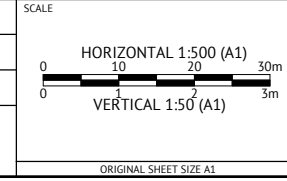
LINE 14

FOR CONSTRUCTION

12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB
DATE	REV	DESCRIPTION	REC	APP

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

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



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 2

JOB CODE
MIR-1005
SHEET NUMBER
C521
REV
B

MAINTENANCE HOLE / SHAFT NO.	HB3/14	HB4/14	2/14	3/14	4/14	5/14
MH / MS COVER TYPE			B	B	B	B
MH / MS TYPE	LRB	LRB	J	J	J	J
MH DROP TYPE			V	V	V	
LINE NO.			14	14	14	
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250	1.212	1.172
PROPERTY CONNECTION INVERT LEVEL	49.723	49.783	49.919	49.954	50.115	50.242
PROPERTY CONNECTION TYPE	B	B	B	B	B	B
LOT NO.	4390	4389	4388	4387	4370	4371

TE1/15	1/15	2/15	3/15
	B	B	B
	A	A	A
	V	V	V
	14	15	16
	1.250	1.250	1.250
	49.141	49.314	49.700
	B	B	B
	49.456	49.566	50.165
	B	B	B
	49.700	50.880	51.544
	B	B	B
	49.922	51.992	52.219
	B	B	B
	4358	4358	4358

2/15	1/16
	B
	B
	V
	16
	1.250
	50.596
	B
	50.596
	B
	4368

LEGEND
 RR DENOTES ROAD RESERVE
 PP DENOTES PRIVATE PROPERTY

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

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

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

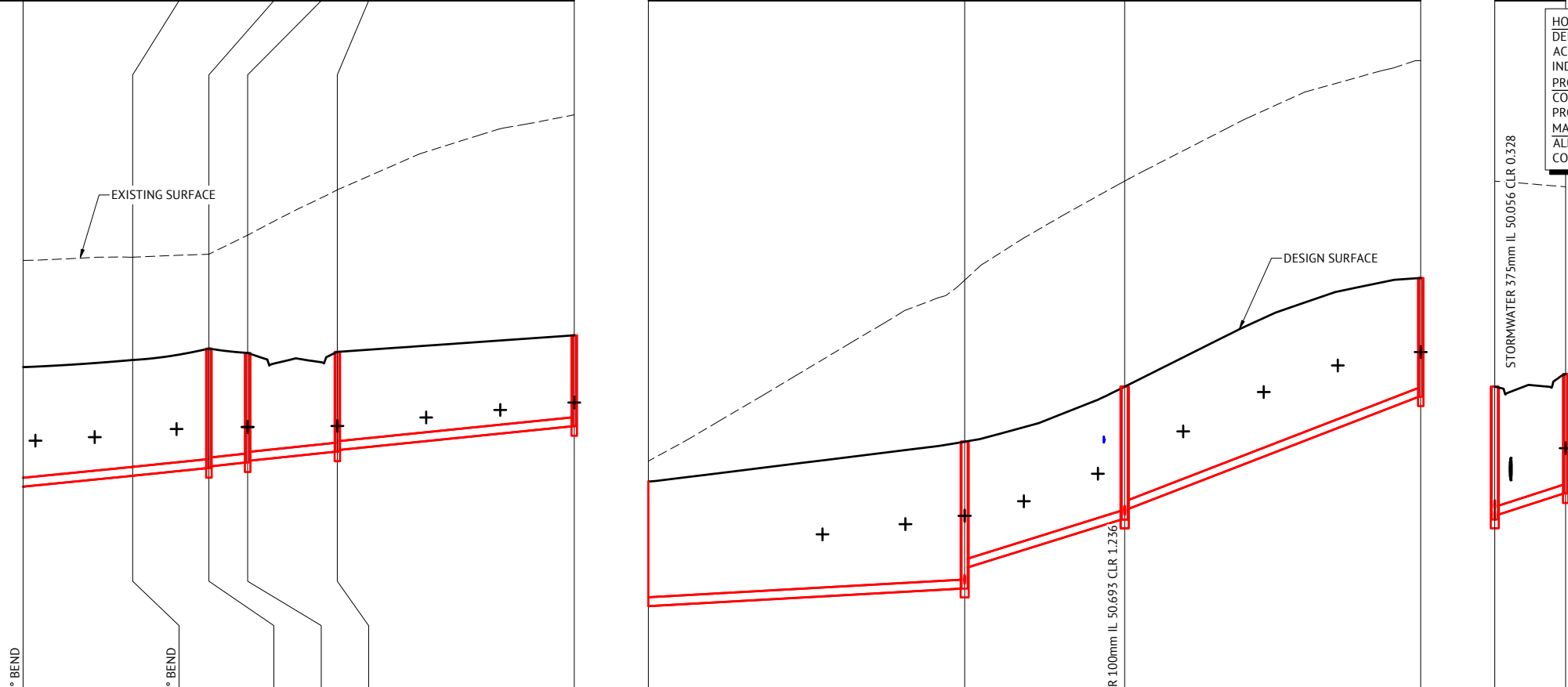
PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

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

DATUM RL	45.000							
PROPERTY DESCRIPTION								RR
PIPE SIZE (mm), CLASS								DN150 uPVC SN8
GRADE (1 IN X)	100	100	100	100	100	100	100	100
LENGTH	0.198	18.143	0.176	0.177	12.685	6.537	15.148	40.000
EMBEDMENT TYPE								TYPE 3
DEPTH OF INVERT BELOW FSL	2.018	2.017	1.955	1.955	1.954	2.018	1.988	1.849
INVERT LEVEL (IL)	48.946	48.948	49.129	49.131	49.133	49.259	49.289	49.385
FINISHED SURFACE LEVEL (FSL)	50.964	50.965	51.084	51.086	51.087	51.278	51.204	51.221
EXISTING SURFACE LEVEL (ESL)	52.767	52.767	52.821	52.821	52.821	52.871	53.193	53.958
CHAINAGE (CH)	60.886	61.084	79.227	79.403	79.580	92.264	98.801	113.949

DATUM RL	46.000							
PROPERTY DESCRIPTION								RR
PIPE SIZE (mm), CLASS								DN150 uPVC SN8
GRADE (1 IN X)								
LENGTH		180		33		26		
EMBEDMENT TYPE								TYPE 3
DEPTH OF INVERT BELOW FSL								
INVERT LEVEL (IL)								
FINISHED SURFACE LEVEL (FSL)								
EXISTING SURFACE LEVEL (ESL)								
CHAINAGE (CH)								

DATUM RL	46.000
PROPERTY DESCRIPTION	RR
PIPE SIZE (mm), CLASS	DN150 uPVC SN8
GRADE (1 IN X)	
LENGTH	33
EMBEDMENT TYPE	TYPE 3
DEPTH OF INVERT BELOW FSL	
INVERT LEVEL (IL)	
FINISHED SURFACE LEVEL (FSL)	
EXISTING SURFACE LEVEL (ESL)	
CHAINAGE (CH)	



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

FOR CONSTRUCTION

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

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

SCALE
 HORIZONTAL 1:500 (A1)
 VERTICAL 1:50 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 3

JOB CODE
MIR-1005
 SHEET NUMBER
C522
 REV
B

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

MAINTENANCE HOLE / SHAFT NO.	1/16	2/16	6/39	2/34	5/39	2/36	TE1A/39	1/39	HB1/39	HB2/39	2/39	HB3/39
MH / MS COVER TYPE	B	B	B	B	B	B	B	B	B	B	B	B
MH / MS TYPE	J	J	A	A	A	A	A	A	A	A	A	A
MH DROP TYPE	V	V	X	X	X	X	X	X	X	X	X	X
LINE NO.	16	16	34	34	36	36	39	39	39	39	39	39
PROPERTY CONNECTION DEPTH	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250	1.250
PROPERTY CONNECTION INVERT LEVEL	50.596	51.348	51.898	52.205	52.282	51.636	52.108	52.253	51.636	52.108	52.253	51.636
PROPERTY CONNECTION TYPE	B	B	B	B	B	D	B	B	B	B	B	B
LOT NO.	4368	4367	4366	4365	4364	4361	4360	4359	5001	5002	5003	5004

LEGEND RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

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

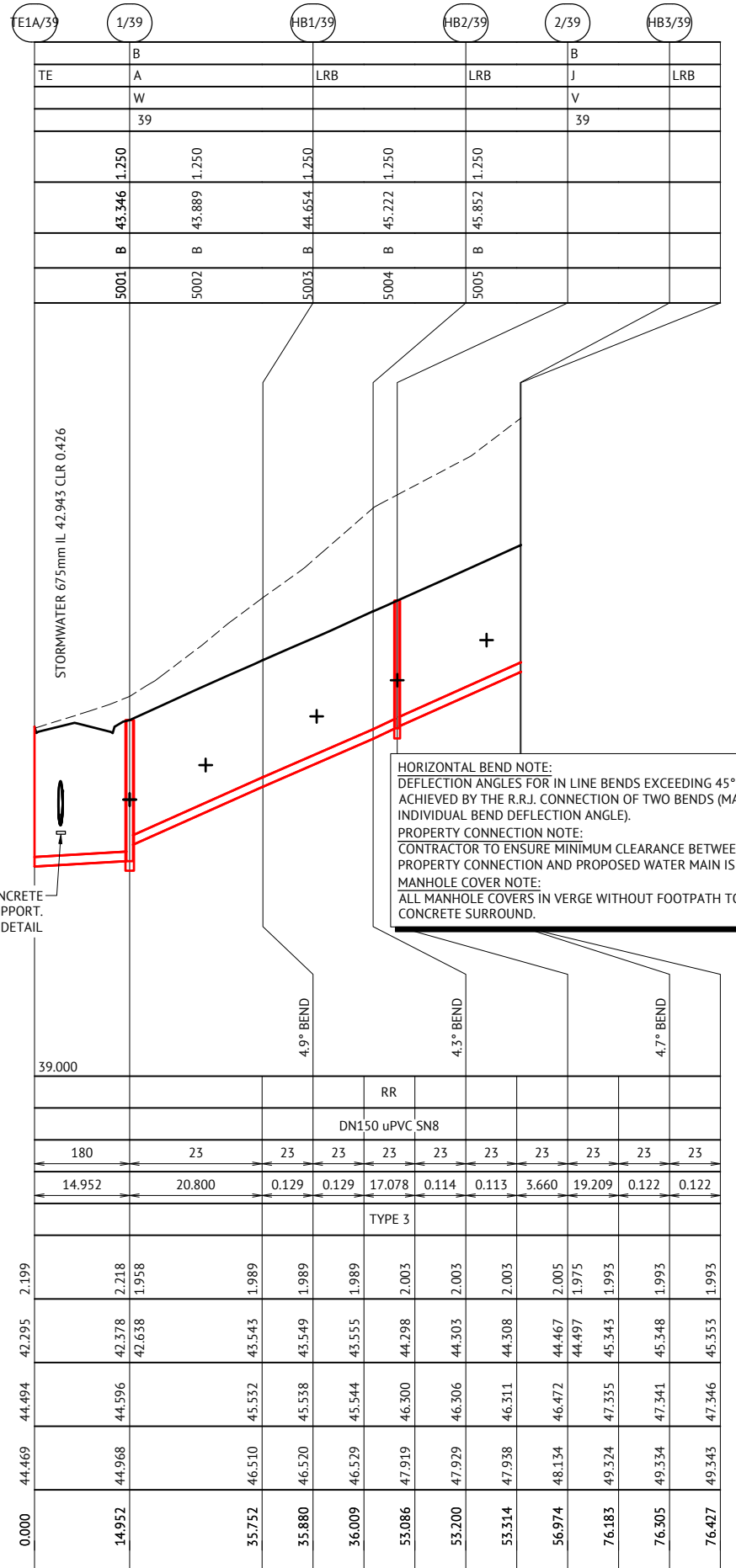
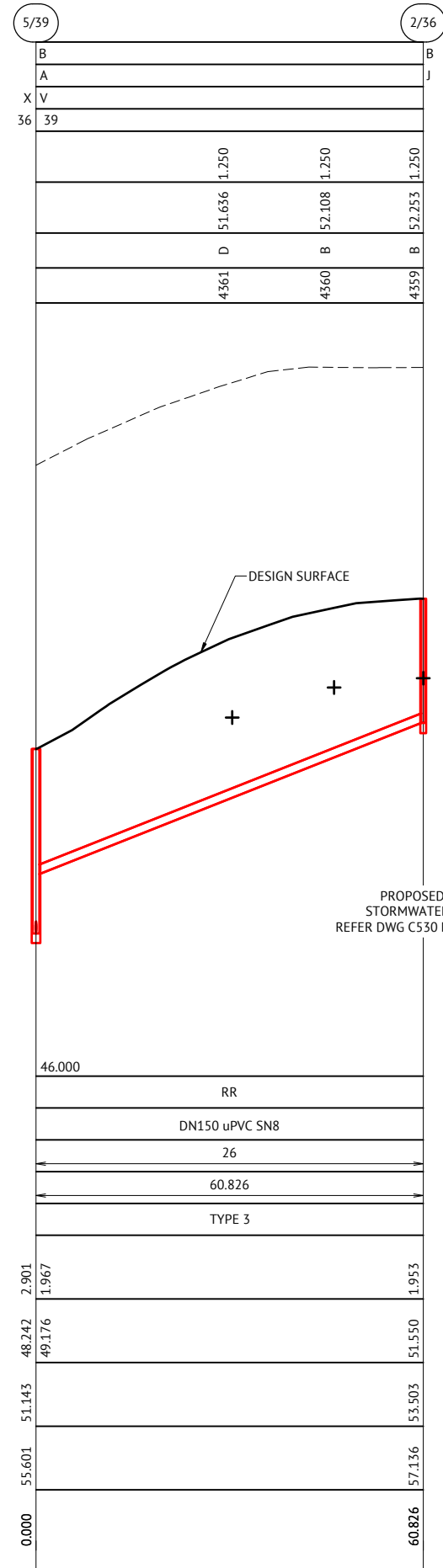
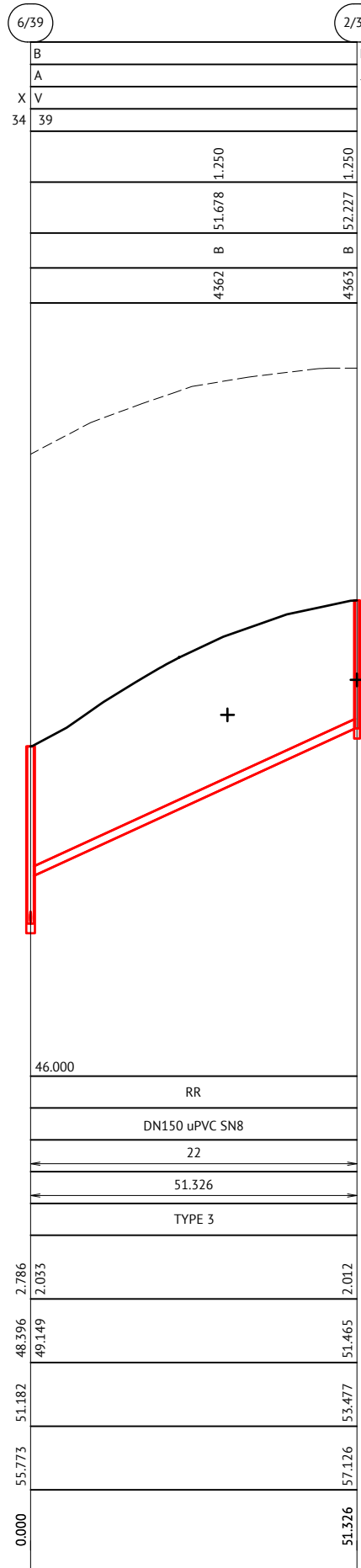
LID TYPES	
B	CLASS B NON TRAFFICABLE CAST IRON
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CAST IRON

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

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

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

DATUM RL	47.000
PROPERTY DESCRIPTION	RR
PIPE SIZE (mm), CLASS	DN150 uPVC SN8
GRADE (1 IN X)	29
LENGTH	53.500
EMBEDMENT TYPE	TYPE 3
DEPTH OF INVERT BELOW FSL	2.015 1.985
INVERT LEVEL (IL)	49.831 49.861
FINISHED SURFACE LEVEL (FSL)	51.846 51.734
EXISTING SURFACE LEVEL (ESL)	55.009 57.124
CHAINAGE (CH)	11.968 65.468



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

LINE 16

34

36

39

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

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

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

SCALE
HORIZONTAL 1:500 (A1)
VERTICAL 1:50 (A1)
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 4

JOB CODE
MIR-1005
SHEET NUMBER
C523
REV
B

MAINTENANCE HOLE / SHAFT NO. 9/39

MH / MS COVER TYPE			B
MH / MS TYPE			J
MH DROP TYPE			
LINE NO.			
PROPERTY CONNECTION DEPTH		1.250	1.250
PROPERTY CONNECTION INVERT LEVEL		50.111	50.260
PROPERTY CONNECTION TYPE		B	B
LOT NO.		4374	4373

LEGEND

RR DENOTES ROAD RESERVE
PP DENOTES PRIVATE PROPERTY

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

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

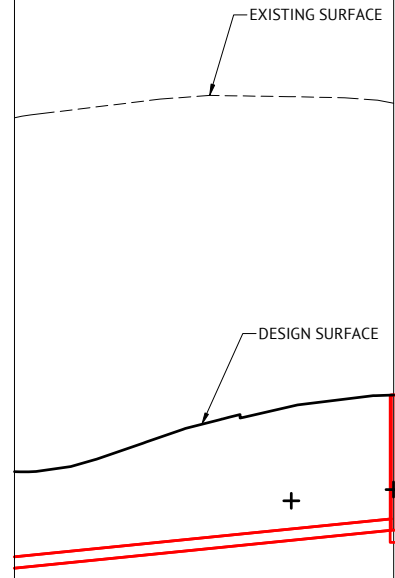
MAINTENANCE STRUCTURE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP
Z	MAINTENANCE SHAFT DROP

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

NOTES:

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

DATUM RL	46.000	
PROPERTY DESCRIPTION		RR
PIPE SIZE (mm), CLASS		DN150 uPVC SN8
GRADE (1 IN X)		100
LENGTH		50.169
EMBEDMENT TYPE		TYPE 3
DEPTH OF INVERT BELOW FSL	1.276	1.788
INVERT LEVEL (IL)	49.220	49.722
FINISHED SURFACE LEVEL (FSL)	50.497	51.510
EXISTING SURFACE LEVEL (ESL)	55.177	55.369
CHAINAGE (CH)	290.522	340.691



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

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

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

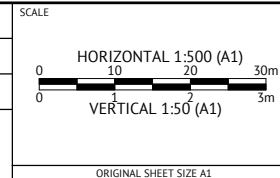
LINE 39

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

Premise
BRISBANE OFFICE
LEVEL 11, 300 ADELAIDE STREET
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PROJECT DIRECTOR
PATRICK BRADY
KPEQ 7112



CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
SEWERAGE GRAVITY MAIN LONG SECTIONS - SHEET 6

JOB CODE
MIR-1005

SHEET NUMBER
C525

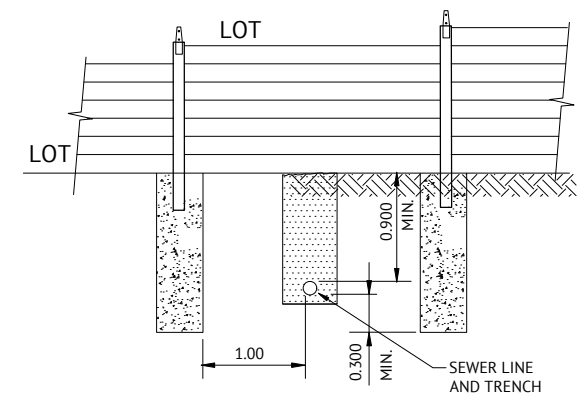
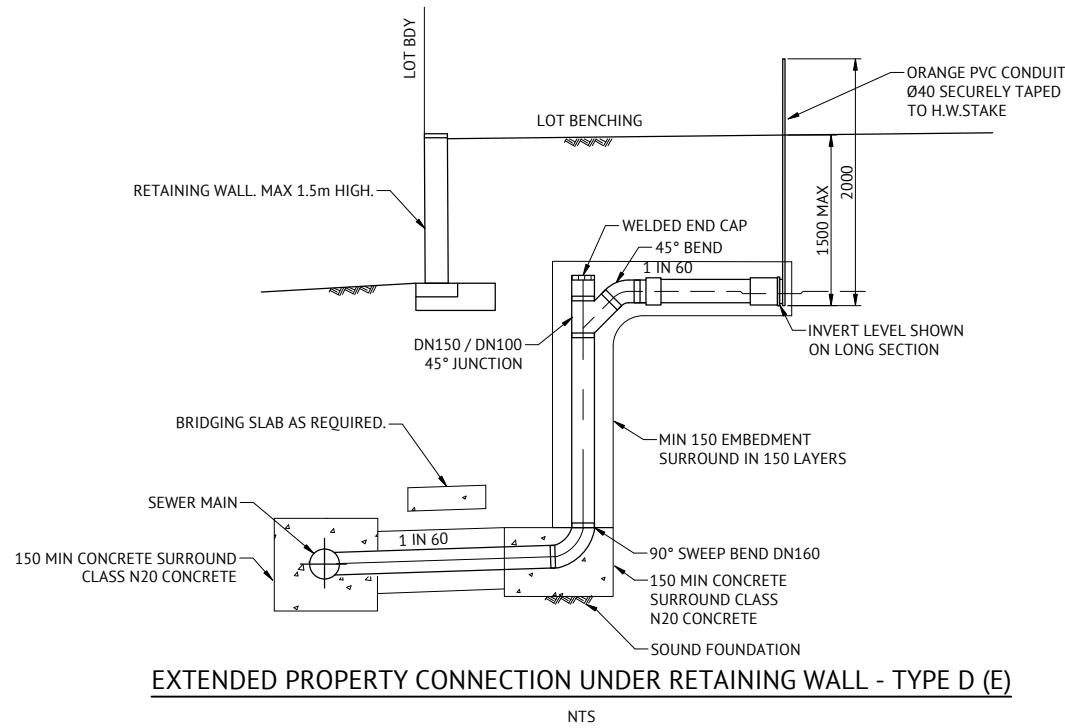
REV
B

LIVE SEWER WORKS

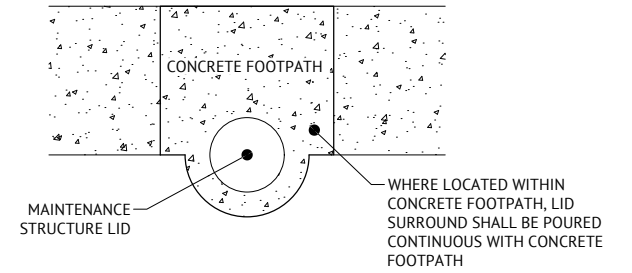
No.	DESCRIPTION	DIA. SEWER	MH NO.	MH TYPE	COVER TYPE	LOT NO.	F.S.L.	E.S.L.	I.L.	DEPTH
1(A)	0.5m FROM STUB END CAP TE1/13, CONSTRUCTOR TO LAY NEW LINE 13. AFTER CLEANSING, TESTING AND INSPECTING, NOTIFY AGENCY.	150	TE1/13	END	-	4438	49.022	48.824	46.696	2.326
1(B)	AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 13 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.									
2(A)	0.5m FROM STUB END CAP TE1/10, CONSTRUCTOR TO LAY NEW LINE 10. AFTER CLEANSING, TESTING AND INSPECTING. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 10 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/10	END	-	4401	48.953	49.614	46.882	2.071
2(B)										
3(A)	0.5m FROM STUB END CAP TE1/15, CONSTRUCTOR TO LAY NEW LINE 15. AFTER CLEANSING, TESTING AND INSPECTING. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 15 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1/15	END	-	4349	50.033	50.377	47.929	2.103
3(B)										
4(A)	0.5m FROM STUB END CAP TE1A/39, CONSTRUCTOR TO LAY NEW LINE 39. AFTER CLEANSING, TESTING AND INSPECTING. AGENCY TO REMOVE TEMPORARY END CAP ON STUB AND LINE 39 AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL "ON MAINTENANCE" INSPECTION.	150	TE1A/39	END	-	5058	44.494	44.469	42.295	2.199
4(B)										

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

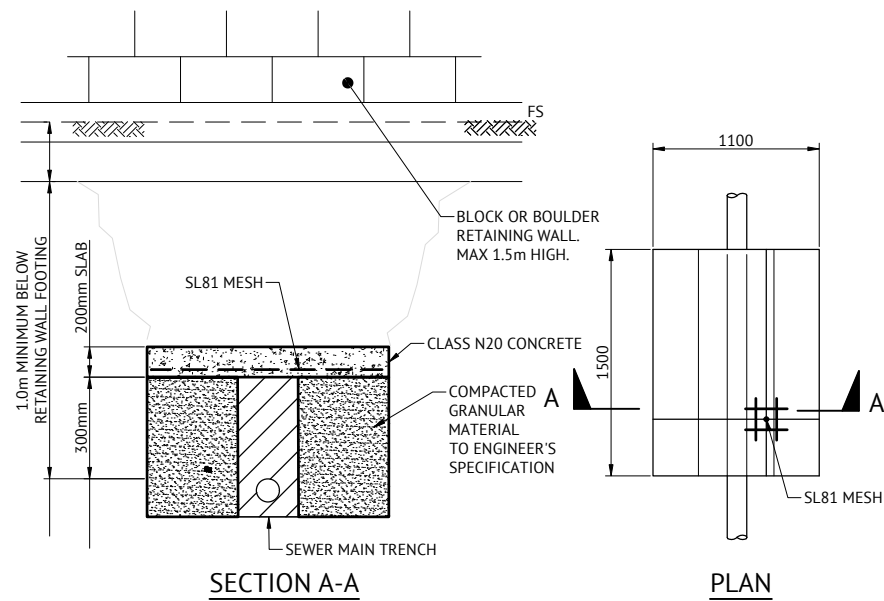
CONSULTING ENGINEERS ARE TO CONTACT PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR THIS WORK TO BE CARRIED OUT. (EXCAVATION, SAFE-SHORTING AND ASSOCIATED WORK BY CONTRACTOR). EXCAVATION WORKS CARRIED OUT BY CONTRACTORS AT DEPTH OF 1.5m OR GREATER MUST PROVIDE A "SAFE WORK PLAN" AS PER WORKPLACE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



SEWER LINE CROSSING CONCRETE SLEEPER RETAINING WALL BRIDGING SLAB DETAIL



TYPICAL MAINTENANCE STRUCTURE IN CONCRETE FOOTPATH DETAIL



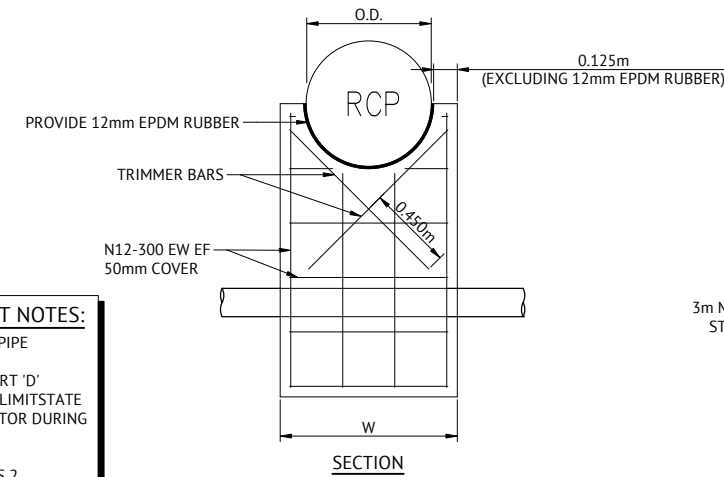
SERVICE LINE CROSSING BOULDER OR BLOCK RETAINING WALL BRIDGING SLAB DETAIL

GENERAL CONCRETE STORMWATER SUPPORT NOTES:

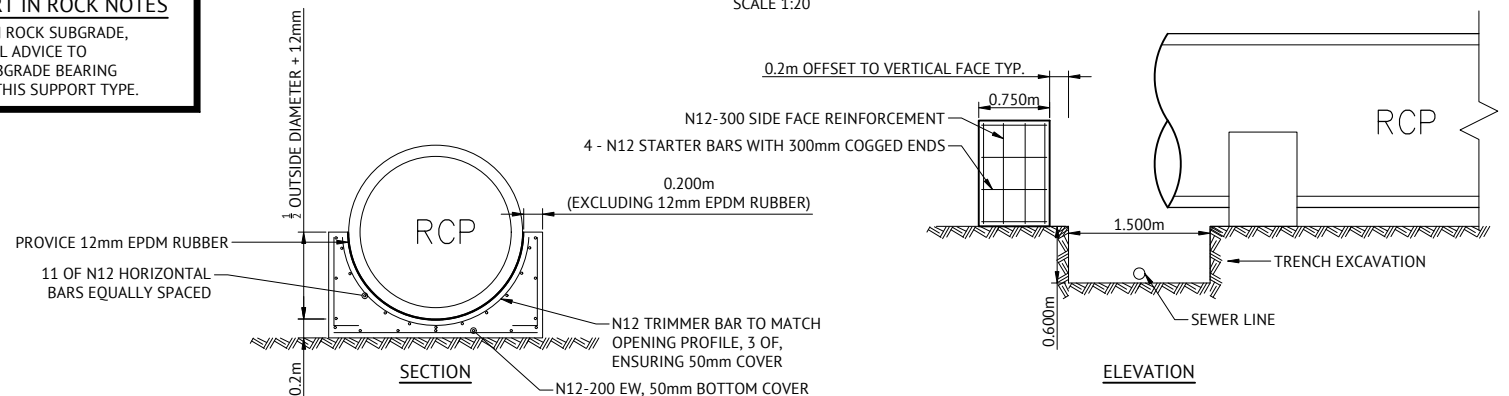
- SUPPORTS TO BE INSTALLED WHERE STORMWATER PIPE DIAMETER IS EQUAL TO OR GREATER THAN 600mm.
- 3m MAX DEPTH OF CONCRETE STORMWATER SUPPORT 'D'
- DESIGN BASED ON ACHIEVING 100kPa OF ULTIMATE LIMIT STATE BEARING CAPACITY. TO BE CONFIRMED BY CONTRACTOR DURING CONSTRUCTION.
- 0.300m* WIDTH UP TO 1050 RCP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

CONCRETE STORMWATER SUPPORT IN ROCK NOTES

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



CONCRETE STORMWATER SUPPORT TYPICAL DETAIL



CONCRETE STORMWATER SUPPORT IN ROCK SUBGRADE DETAIL

STRUCTURAL DETAILS APPROVED DATE
ARTHUR ROWSON 24/06/2024
RPEQ 12412

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

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BRISBANE, QLD 4000
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DESIGNED
KLYNT KIWANG
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112

SCALE
NTS
ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
SEWERAGE NOTES AND DETAILS

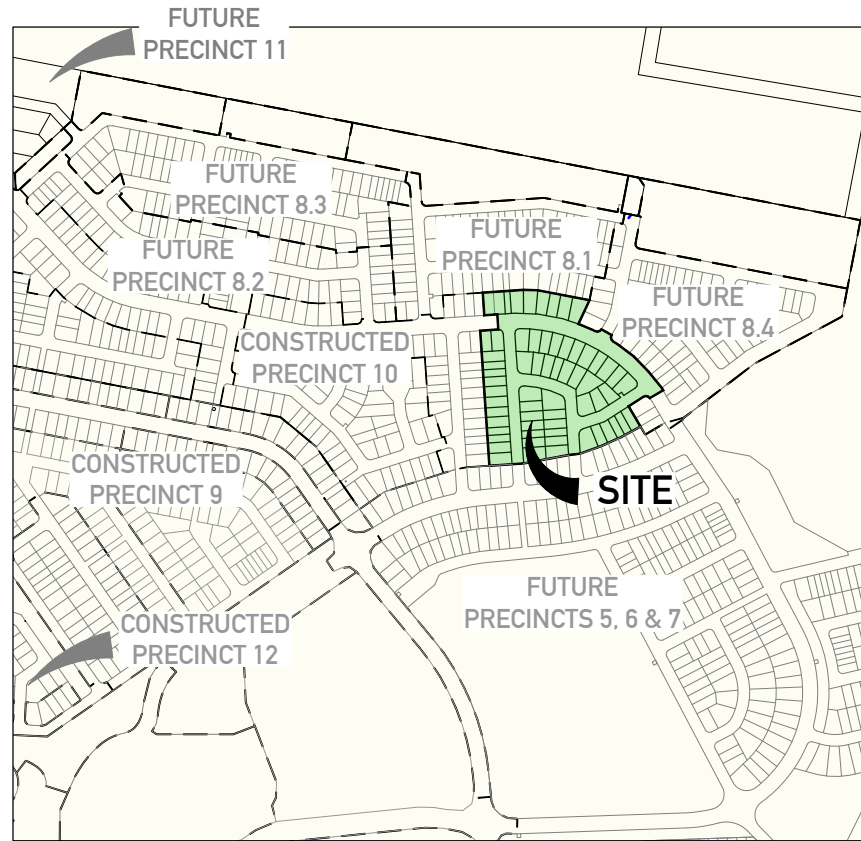
JOB CODE
MIR-1005
SHEET NUMBER
C530
REV
B

EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

TEVIOT ROAD, GREENBANK

FOR MIRVAC QLD PTY LTD

WATER RETICULATION



LOCALITY PLAN

REAL PROPERTY DESCRIPTION

LOT 205 & 434 on RP845844
 LOT 9 on S312355

GENERAL NOTES

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

- QUEENSLAND WATER SUPPLY AND SEWERAGE DESIGN AND CONSTRUCTION CODE. THE CONDUIT SHALL HAVE A MAXIMUM LENGTH OF 25m AND EXTEND 300mm BEYOND THE BACK OF THE KERB OR CONCRETE/PAVED AREA.
- WHERE PRACTICABLE, PROPERTY SERVICE CONNECTION POINTS MUST BE LOCATED 300mm FROM THE RESIDENTIAL PROPERTY SIDE BOUNDARY ON THE OPPOSITE SIDE OF THE ALLOTMENT TO THE ELECTRICAL SERVICE PILLAR-BOX. SERVICES MUST BE LOCATED AT LEAST 1.0m FROM ALL ELECTRICAL SOURCES AND CLEAR OF EXISTING OR FUTURE DRIVEWAYS. PROPERTY SERVICES LAID PARALLEL TO THE FOOTPATH AND/OR PROPERTY BOUNDARY ARE NOT PERMITTED (SEQ CODE CLAUSE 5.11.5). TERMINATE ALL WATER SERVICES AFTER INSTALLATION OF THE BALL VALVE (PRIOR TO THE WATER METER)

VEGETATION PROTECTION

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

SOIL

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

CREEK CROSSINGS

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

REHABILITATION

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

CONSTRUCTION REQUIREMENTS

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

TRENCH SPOIL NOTE:

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

EXCAVATION IN ROCK NOTE:

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

INDEMNITY - EXISTING SERVICES

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

RPEQ CERTIFICATION

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

INSPECTION REQUIREMENTS

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

A MINIMUM 48 HOURS NOTICE IS REQUIRED.

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

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

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

SEQ CODE STD DRAWING SCHEDULE

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

SHEET NO.	SHEET TITLE
C600	WATER RETICULATION LOCALITY PLAN & NOTES
C610	WATER RETICULATION LAYOUT PLAN
C620	WATER LIVE CONNECTION AND TYPICAL DETAILS



FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

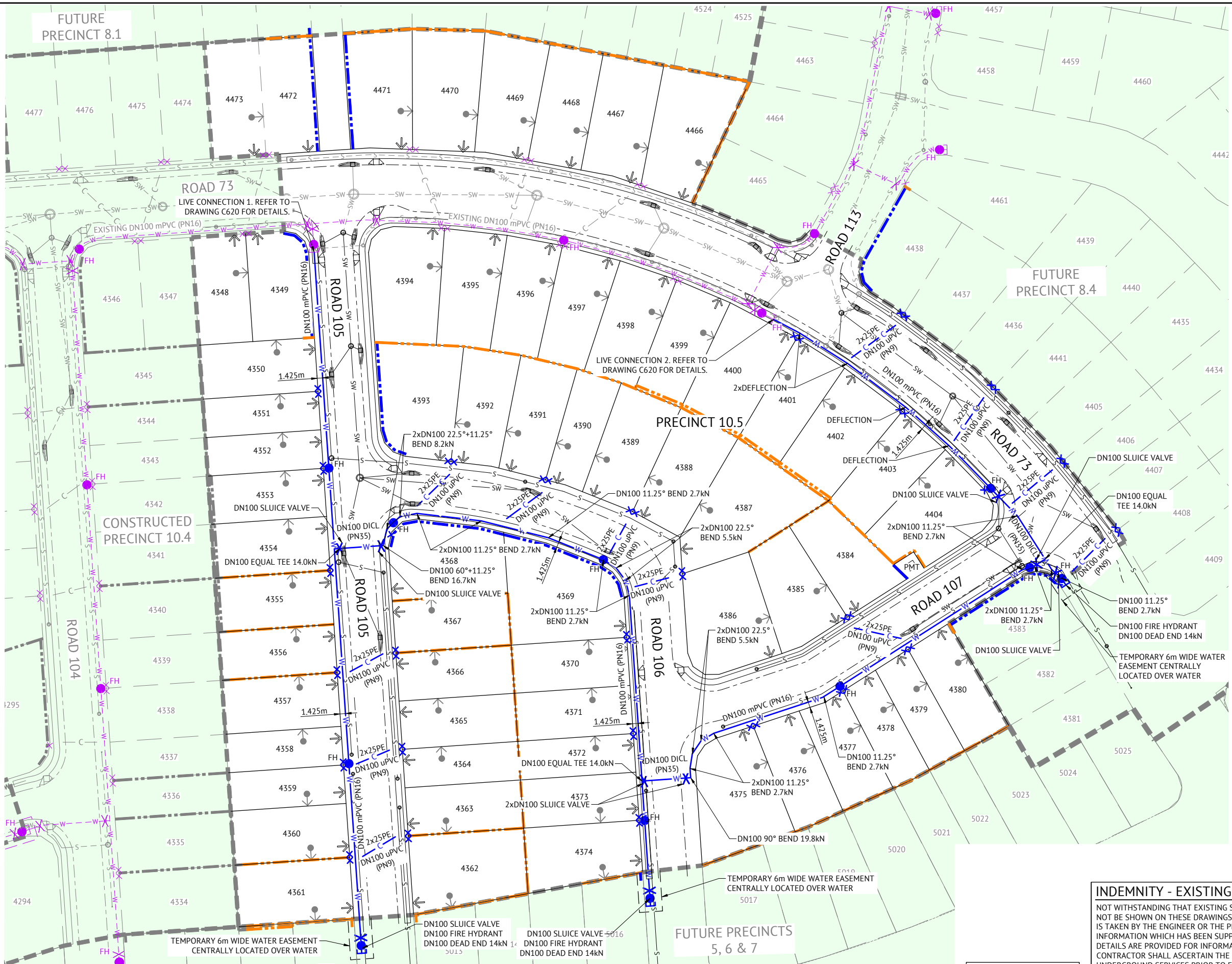
Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

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

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

CLIENT
 MIRVAC QLD PTY LTD
 PROJECT
 EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
 TEVIOT ROAD, GREENBANK
 SHEET TITLE
 WATER RETICULATION LOCALITY PLAN & NOTES

JOB CODE
 MIR-1005
 SHEET NUMBER
 C600
 REV
 B



- LEGEND - PROPOSED**
- W — POTABLE WATERMAIN
 - DN25 PE — POTABLE WATER RETICULATION SERVICE WITHIN DN100 uPVC (PN9) CONDUIT
 - DN100 uPVC (PN9) — POTABLE WATER RETICULATION SERVICE WITHIN DN100 uPVC (PN9) CONDUIT
 - X X WATER SERVICES & WATER METER BOX POINT, METER BY OTHERS
 - X W SLUICE VALVE
 - W FIRE HYDRANT
 - ▽ W TEST POINT
 - [W] DEAD END
 - ↘ DEFLECTION
 - 3260 LOT NUMBER
 - SW — STORMWATER
 - S — GRAVITY SEWER
 - → ZERO LOT BOUNDARY
 - ↓ PREFERRED DRIVEWAY LOCATION (BY OTHERS)
 - SITE BOUNDARY
 - PROPOSED CONCRETE SLEEPER RETAINING WALL
 - PROPOSED CONCRETE PANEL RETAINING WALL
 - PROPOSED CONCRETE FOOTPATH & KERB RAMP
 - PMT PADMOUNT TRANSFORMER

- LEGEND - CONSTRUCTED**
- - - W - - - WATER
 - X W SLUICE VALVE
 - W FIRE HYDRANT
 - ▽ W TEST POINT
 - [W] DEAD END
 - X X WATER METER
 - - - SW - - - STORMWATER
 - - - S - - - GRAVITY SEWER

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

AS CONSTRUCTED DETAILS FOR AMEND.
 I CERTIFY THAT THE "AS CONSTRUCTED" DETAILS SHOWN ON THIS PLAN ARE TRUE AND ACCURATE RECORD OF THE WORKS
 SIGNED _____
 NAME OF SIGNATORY _____
 RPEQ No. or LICENCE _____

LAYOUT PLAN
 SCALE 1:500

FOR WATER RETICULATION NOTES, REFER DWG No. C600

FOR CONSTRUCTION			
DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	KK PB

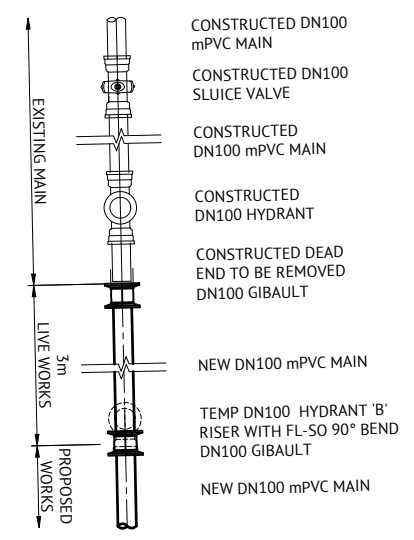
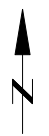
Premise
 BRISBANE OFFICE
 LEVEL 11, 300 ADELAIDE STREET
 BRISBANE, QLD 4000
 PH: (07) 3253 2222
 WEB: www.premise.com.au

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

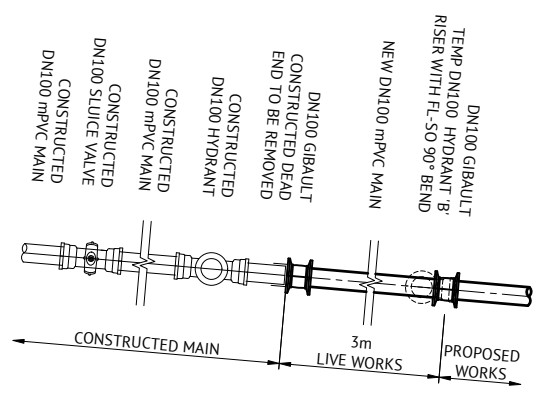
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 SCALE 1:500 (A1)
 ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD
 PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
 LOCATION
TEVIOT ROAD, GREENBANK
 SHEET TITLE
WATER RETICULATION LAYOUT PLAN

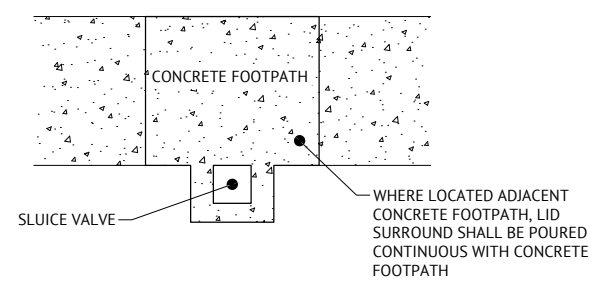
JOB CODE
MIR-1005
 SHEET NUMBER
C610
 REV
B



LIVE 1 CONNECTION DETAIL
SCALE 1:25



LIVE CONNECTION 2 DETAIL
SCALE 1:25



TYPICAL SLUICE VALVE ADJACENT CONCRETE FOOTPATH DETAIL
NTS

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

AS CONSTRUCTED DETAILS FOR AMEND.

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

SIGNED: _____ DATE: _____

NAME of SIGNATORY: _____

RPEQ No. or LICENCE: _____

COMPANY NAME: _____

START DATE: _____

FOR CONSTRUCTION				
DATE	REV	DESCRIPTION	REC	APP
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK	PB
17/05/2024	A	ORIGINAL ISSUE	KK	PB

Premise

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LEVEL 11, 300 ADELAIDE STREET
BRISBANE, QLD 4000
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KLYNT KIWANG

CHECKED
ANDREW LANGDON

PROJECT MANAGER
NICK SOMERVILLE

PROJECT DIRECTOR
PKB
PATRICK BRADY

RPEQ 7112

SCALE

SCALE 1:500 (A1)

ORIGINAL SHEET SIZE A1

CLIENT
MIRVAC QLD PTY LTD

PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

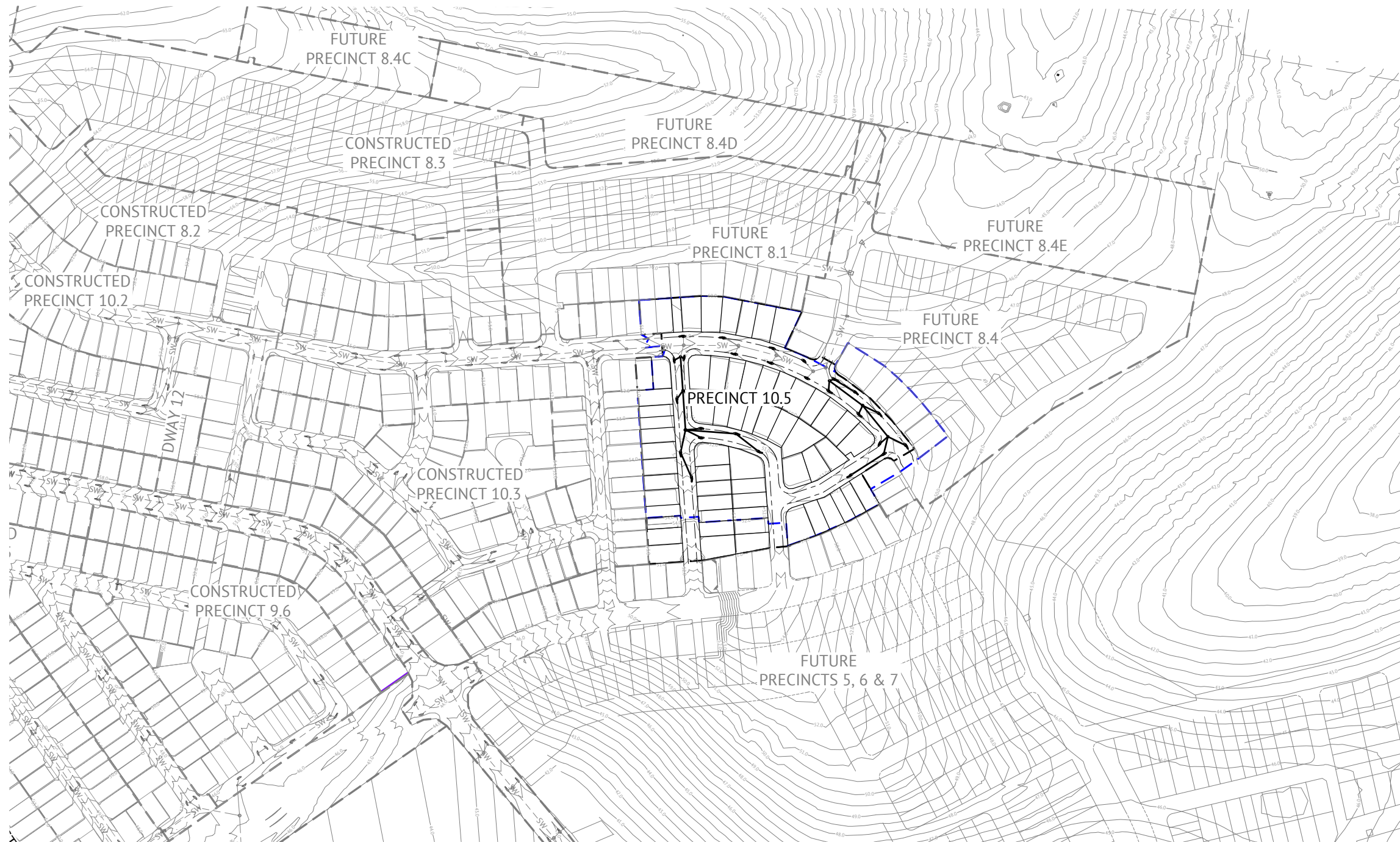
LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
WATER LIVE CONNECTION AND TYPICAL DETAILS

JOB CODE
MIR-1005

SHEET NUMBER
C620

REV
B



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

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

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

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

CATCHMENT RISK ASSESSMENT - ANNUAL SOIL LOSS

CATCHMENT ID	AREA (HA)	R	K	SLOPE LENGTH (m)	SLOPE (%)	LS	P	C	A (t/ha/yr)	A (t/yr)	CONTROL
CATCHMENT A	3.89	2627	0.050	80	4.0	0.91	1.3	0.70	109	424	TYPE 1

EROSION RISK RATING

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

I CERTIFY THAT THIS EROSION AND SEDIMENT CONTROL DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION GUIDELINES.
T. CLARK (CPESC No. 6089)

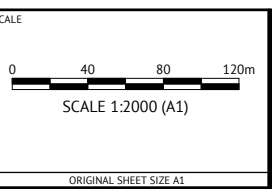
NOTE:
FOR DISPERSIVE SOILS MANAGEMENT NOTES, REFER TO DRAWING C210.

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	REVISIONS
12/06/2024	B	ISSUED FOR CONSTRUCTION	KK PB
17/05/2024	A	ORIGINAL ISSUE	NVT PB

Premise
BRISBANE OFFICE
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BRISBANE, QLD 4000
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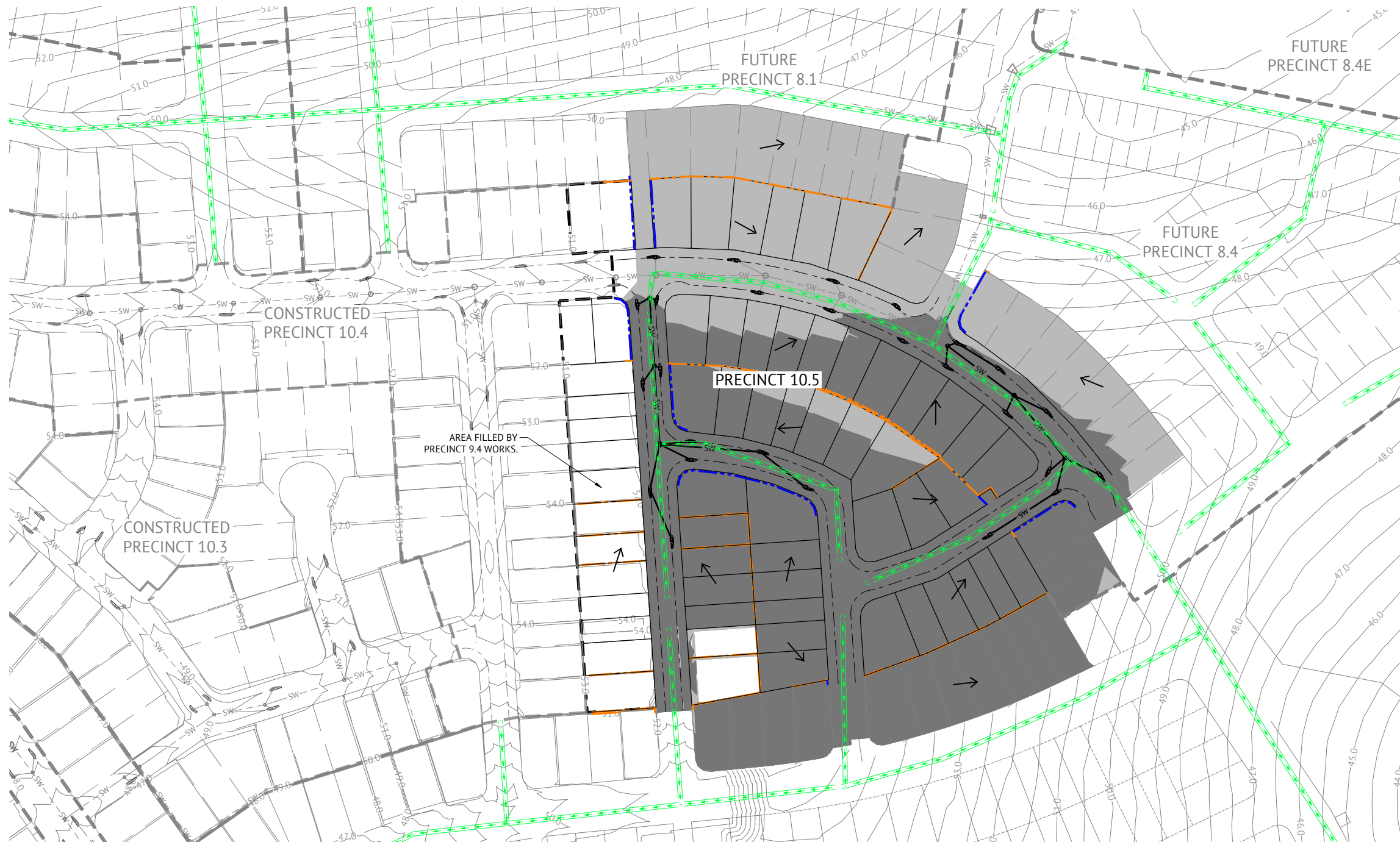
DESIGNED
MARK DAVIS
CHECKED
ANDREW LANGDON
PROJECT MANAGER
NICK SOMERVILLE
PROJECT DIRECTOR
PATRICK BRADY
RPEQ 7112



CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
OVERALL EROSION & SEDIMENT CONTROL KEY PLAN

JOB CODE
MIR-1005

SHEET NUMBER	REV
C700	B



LEGEND - PROPOSED

- NO CHANGES TO STABILISATION WITHIN PRECINCT BOUNDARY
- EXTENT OF CUT
- EXTENT OF FILL
- FLOW DIRECTION OR RUNOFF
- CONCRETE SLEEPER RETAINING WALL
- CONCRETE PANEL RETAINING WALL
- FINISHED CONTOURS AND LABELS
- STORMWATER
- PRECINCT BOUNDARY
- PRECINCT BOUNDARY (FUTURE/EXISTING)

LEGEND - CONSTRUCTED

- DIVERSION DRAIN
- STORMWATER

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

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

INSTALLATION SEQUENCE EARTHWORKS

- STEP 1**
PERFORM EARTHWORKS ON LEADS CUT TO FILL ON SITE IN ACCORDANCE WITH THE CIVIL EARTHWORKS DRAWINGS.
- STEP 2**
ONCE FINAL CUT AND FILL BATTER LEVELS HAVE BEEN ACHIEVED, REMOVE REQUIRED TOPSOIL FROM STOCKPILED AREAS AND PLACE ON BATTERS AND OTHER DISTURBED AREAS AS DIRECTED BY THE SITE SUPERINTENDENT.
- STEP 3**
AS SOON AS POSSIBLE AFTER TOPSOIL HAS BEEN PLACED ON BATTERS AND OTHER DISTURBED AREAS, THESE AREAS SHOULD BE STABILISED PER FINAL DESIGN TREATMENT (REFER DRAWING C702) WITHIN TIMEFRAMES PER 'MAX DAYS TO STABILISATION' BASED ON EROSION RISK (REFER DRAWING C700). IF A RAINFALL EVENT IS FORECAST WHICH IS LIKELY TO CAUSE RUNOFF PRIOR TO DISTURBED OR EXPOSED AREAS BEING STABILISED, A COMBINATION OF MULCH, BINDER OR BIDUM IS TO BE USED TO COVER EXPOSED AREAS. INSTALLATION OF TEMPORARY EROSION CONTROL TO ACTIVE OR INACTIVE WORK AREAS, PRIOR TO RAINFALL EVENTS UNTIL FINAL DESIGN TREATMENT (STABILISATION PER DRAWING C701) IS CRITICAL FOR CATCHMENTS WHICH DO NOT DRAIN TO TYPE 1 CONTROLS.
- STEP 4**
ALL SEDIMENT AND EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE AND BE MONITORED UNTIL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. ADDITIONAL EROSION CONTROLS ARE TO BE ERECTED AS REQUIRED BY THE SUPERINTENDENT.

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

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

T. CLARK (CPESC No. 6089) *T. Clark*

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

FOR CONSTRUCTION

DATE	REV	DESCRIPTION	KK	PB
12/06/2024	B	ISSUED FOR CONSTRUCTION		
17/05/2024	A	ORIGINAL ISSUE		

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

CLIENT
MIRVAC QLD PTY LTD
PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
LOCATION
TEVIOT ROAD, GREENBANK
SHEET TITLE
EROSION AND SEDIMENT CONTROL - BULK EARTHWORKS PHASE

JOB CODE
MIR-1005
SHEET NUMBER
C701
REV
B



LEGEND - PROPOSED

- NO CHANGES TO STABILISATION WITHIN PRECINCT BOUNDARY
- 50mm THICK TOPSOIL RESPREAD AND DRILL SEEDING. APPLY BINDER IMMEDIATELY AFTER DRILL SEEDING
- 100mm THICK TOPSOIL RESPREAD AND DRILL SEEDING. APPLY BINDER IMMEDIATELY AFTER DRILL SEEDING
- 100mm THICK TOPSOIL AND TURF
- NO TOPSOIL AND POLYMER SPRAY (LOTS AS PART OF FUTURE PRECINCT)
- GULLY INLET PROTECTION. REFER DETAIL IECA DRAWING ESC-03 FOR DETAILS.
- FINISHED CONTOURS AND LABELS
- STORMWATER
- KERB LINE
- PRECINCT BOUNDARY
- PRECINCT BOUNDARY (FUTURE/EXISTING)

LEGEND - CONSTRUCTED

- STORMWATER
- KERB LINE

SERVICE TRENCH AND ROAD CONSTRUCTION SEQUENCE

- STEP 6**
- A. PRIORITY SHOULD BE GIVEN TO PLACEMENT OF GRAVELS WITHIN ROAD AS A MEANS TO REDUCE EROSION RISK
 - B. PAVEMENT CONSTRUCTION
 - C. MAINTAIN ALL EXISTING ESC MEASURES DURING PAVEMENT CONSTRUCTION
 - D. GULLY INLET CONTROLS TO BE REINSTATED DURING PAVEMENT AND STORMWATER CONSTRUCTION AND MAINTAINED UNTIL ENTIRE UPSLOPE CATCHMENT HAS BEEN STABILISED.
- STEP 7**
- A. MAINTENANCE PERIOD
 - B. MAINTAIN CONTROL AND ESC AND VEGETATIVE TREATMENTS WHICH CONTROL SEDIMENTATION AND EROSION PRIOR TO THE ESTABLISHMENT OF STABILIZED GRASS COVER.
- STEP 8**
- A. REMOVE CONSTRUCTION ENTRANCES.
 - B. ADDITIONAL EROSION CONTROLS ARE TO BE ERRECTED 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.

TURFING AND TOPSOIL NOTE

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

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

T. CLARK (CPESC No. 6089) *T. Clark*

NOTE:

FOR DISPERSIVE SOILS MANAGEMENT NOTES, REFER TO DRAWING C210.

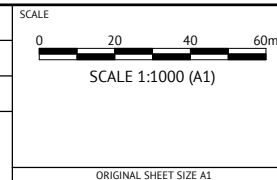
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CLIENT
 PROJECT
 LOCATION
 SHEET TITLE

MIRVAC QLD PTY LTD
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT
TEVIOT ROAD, GREENBANK
EROSION AND SEDIMENT CONTROL - STABILISATION PHASE

JOB CODE
MIR-1005
 SHEET NUMBER
C702
 REV
B

ROLES AND RESPONSIBILITIES

EROSION & SEDIMENT CONTROL NOTES

1. LOCATION & LEVELS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. REFER EARTHWORKS DRAWINGS FOR ADDITIONAL NOTES.
3. ALL TRENCHES, FOOTPATH EXCAVATIONS & STOCKPILES TO BE PROTECTED BY TEMPORARY SEDIMENT FENCES UNTIL 80% GRASS COVERAGE IS ACHIEVED TO DISTURBED AREAS.
4. EVERY PRECAUTION IS TO BE TAKEN TO PREVENT THE TRANSPORT OF SILT INTO THE NEWLY LAID STORMWATER PIPES THAT ARE CONNECTED TO THE DOWNSTREAM PIPE SYSTEMS, AND ANY EXISTING OPEN CHANNELS.
5. THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
6. THE EROSION AND SEDIMENT CONTROL WORKS SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL AUTHORITIES EROSION AND SEDIMENT CONTROL STANDARDS.
7. THE CONTRACTOR SHALL TAKE ALL REASONABLE AND PRACTICABLE MEASURES TO:
 - ALLOW STORMWATER TO PASS THROUGH THE SITE IN A CONTROLLED MANNER AND AT NON EROSION FLOW VELOCITIES;
 - MINIMISE SOIL EROSION FROM WATER AND WIND;
 - MINIMISE ADVERSE EFFECTS OF SEDIMENT RUN-OFF;
 - MINIMISE OR PREVENT ENVIRONMENTAL HARM ASSOCIATED WITH DISCHARGES FROM THE SITE (E.G. THE EFFECTS OF SEDIMENTATION ON THE ENVIRONMENTAL VALUES OF RECEIVING WATERS); AND
 - ENSURE THAT THE VALUE AND USE OF RESIDENTIAL PROPERTIES ADJACENT TO THE DEVELOPMENT (SUCH AS DRAINAGE AND ROADS) ARE NOT DIMINISHED AS A RESULT OF THE MIGRATION OF SEDIMENT FROM THE DEVELOPMENT.
8. THE CONTRACTOR SHALL APPOINT AN APPROPRIATELY EXPERIENCED PERSON TO BE MADE RESPONSIBLE FOR IMPLEMENTATION OF THE ESC.
9. ALL ESC MEASURES SHALL BE INSPECTED:
 - AT LEAST DAILY (WHEN WORK IS OCCURRING ON SITE).
 - AT LEAST WEEKLY (WHEN WORK IS NOT OCCURRING ON SITE).
 - WITHIN 24 HOURS OF EXPECTED RAINFALL.
 - WITHIN 18 HOURS OF RAINFALL OCCURRING.
10. MAINTENANCE OF ESC MEASURES SHALL OCCUR TO ENSURE THEY ARE OPERATING EFFICIENTLY AND IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

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

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

MAINTENANCE

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

ROLE	RESPONSIBILITY
PROJECT MANAGER	<ul style="list-style-type: none"> • OVERALL RESPONSIBILITY OF ESC IMPLEMENTATION • NOTIFY THE ENVIRONMENTAL MANAGER IMMEDIATELY OF ANY NON-COMPLIANCE WITH ESCP • ENSURE THE PROMPT IMPLEMENTATION OF MEASURES TO MITIGATE EROSION AND SEDIMENT GENERATION
SITE SUPERVISOR / FOREMEN	<ul style="list-style-type: none"> • MONITOR DAILY RAINFALL • NOTIFY ENVIRONMENTAL ADVISOR/CONSULTANT WHEN RUNOFF GENERATING RAINFALL OCCURS IN THE PREVIOUS 24 HOURS • MAINTAIN CURRENT RECORDS OF RAINFALL, STORAGE VOLUMES, WATER QUALITY, TREATMENT PRACTICES, DISCHARGE VOLUMES (AS APPROPRIATE) • INSTALLATION AND MAINTENANCE OF ESC
ENVIRONMENTAL MANAGER	<ul style="list-style-type: none"> • PROVIDE DESIGN INFORMATION AS REQUIRED • CONDUCT IN-SITU MONITORING (AS REQUIRED) • COLLECT AND SUBMIT SAMPLES TO LABORATORY (AS REQUIRED) • COLLATE RESULTS AND PREPARE REPORTS (AS REQUIRED) • CONDUCT SITE INSPECTIONS AND AUDITS (AS REQUIRED) • INSPECT ESC INSTALLATION AND MAINTENANCE • INSPECT OFFSITE IMPACTS AND MANAGEMENT • PROVIDE ADVICE REGARDING ESC SITE IMPROVEMENT (AS REQUIRED)
ALL PERSONNEL	<ul style="list-style-type: none"> • REPORT ANY DAMAGE TO ESC DEVICES AND ANY POTENTIAL OR ACTUAL ENVIRONMENTAL HARM IN LINE WITH DUTY TO NOTIFY UNDER THE REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION ACT 1994

CORRECTIVE AND PREVENTATIVE ACTION

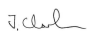
AN ENVIRONMENTAL INCIDENT WITH RESPECT TO THE ESCP IS DEFINED AS ANY OCCURRENCE WHERE SEDIMENT IS RELEASED FROM THE SITE, WHETHER CONTROLLED OR UNCONTROLLED, OR WHERE STORM WATER IS RELEASED (CONTROLLED) FROM SITE WHICH DOES NOT MEET THE WATER QUALITY REQUIREMENTS.

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

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

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

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

T. CLARK (CPESC No. 6089) 

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17/05/2024	A	ORIGINAL ISSUE		
			NVT	PB
			REC	APP




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RPEQ 7112

SCALE

ORIGINAL SHEET SIZE A1

CLIENT

MIRVAC QLD PTY LTD

PROJECT

EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

LOCATION

TEVIOT ROAD, GREENBANK

SHEET TITLE

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

JOB CODE

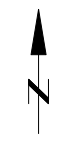
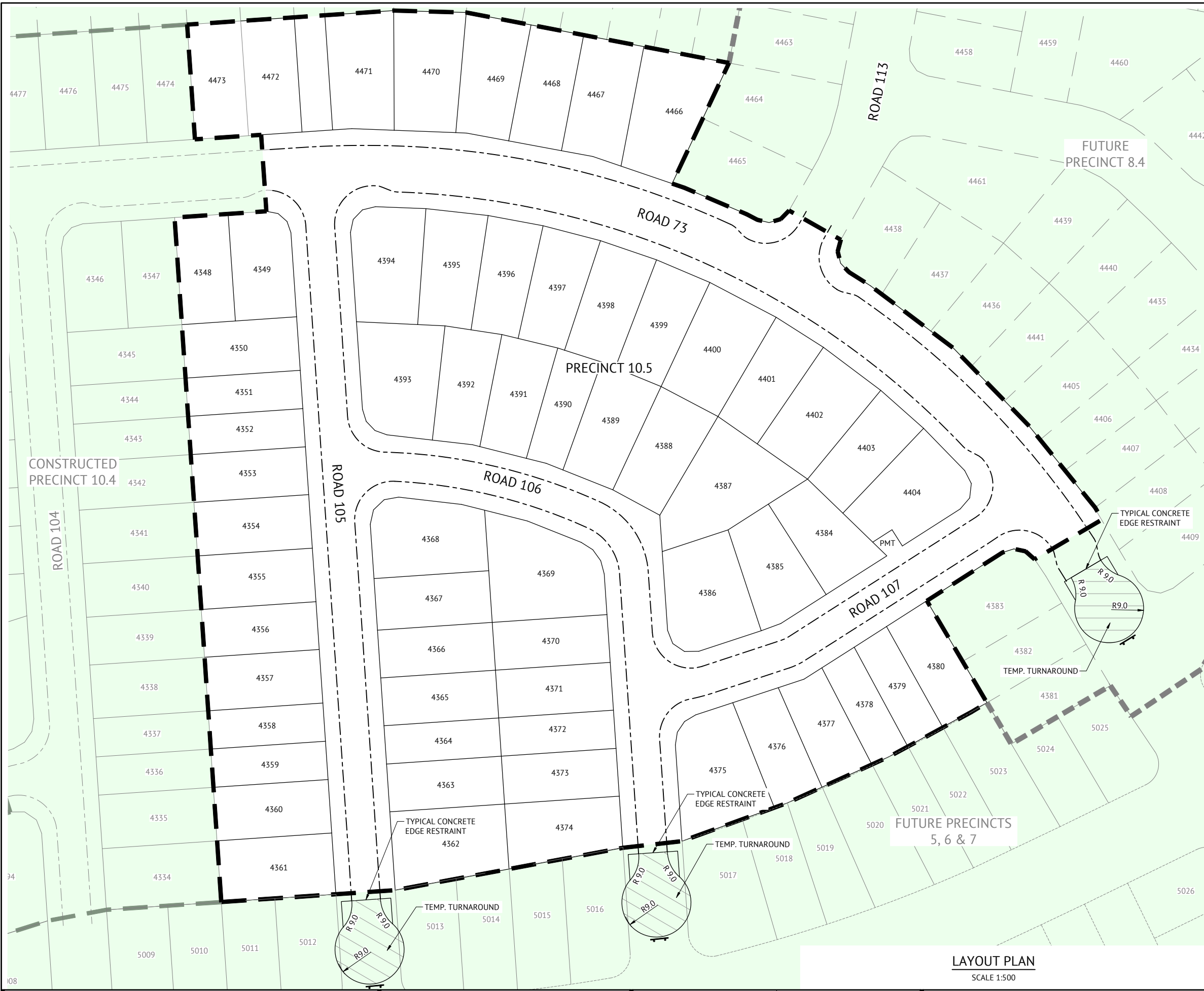
MIR-1005

SHEET NUMBER

C710

REV

B

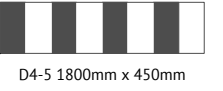


LEGEND

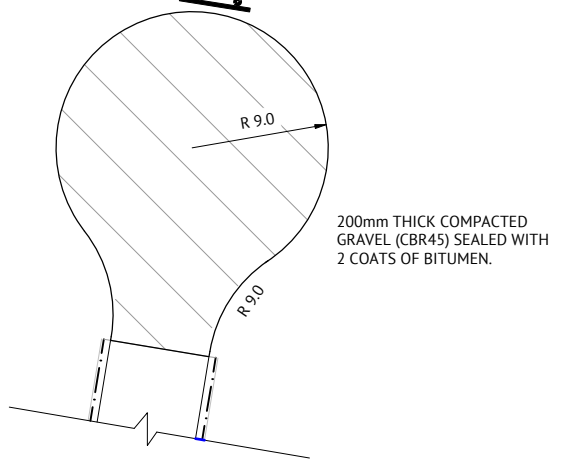
- LOT BOUNDARIES
- STAGE BOUNDARIES

NOTE

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



D4-5 1800mm x 450mm



TYPICAL TEMPORARY TURN AROUND DETAIL

SCALE 1:250

LAYOUT PLAN

SCALE 1:500

FOR CONSTRUCTION

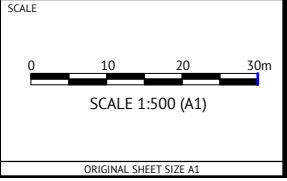
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PROJECT
EVERLEIGH PRECINCT 10.5 SUBDIVISION DEVELOPMENT

LOCATION
TEVIOT ROAD, GREENBANK

SHEET TITLE
TEMPORARY WORKS - ROADWORKS AND DRAINAGE LAYOUT PLAN

JOB CODE
MIR-1005

SHEET NUMBER
C900

REV
B