

Enquiries: Xavier Dubreuil
Direct 07 5433 2739
Our Ref: DA/2025/0341
Your Ref: 22-000082
Date: 17 April 2025

Lennium Group c/- Egis Consulting Pty Ltd PO Box 997 BUDDINA QLD 4575

Dear Applicant,

Re: DEVELOPMENT APPROVAL

Planning Act 2016

Development Application No.: DA/2025/0341

Property Location: Park Crabapple Court UPPER CABOOLTURE

409-423 Caboolture River Road LILYWOOD

Property Description: Lot 12 RP 866105

Lot 102 SP 292555

Development Type: Operational Work - Development Permit for

Roadwork and Stormwater (Lilywood, Stage 5)

Please be advised that on 16 April 2025 the above development application was approved by Council's Delegate as the Assessment Manager in accordance with section 63 of the *Planning Act 2016* subject to conditions.

The following type of approval has been issued:

• Development Permit - Operational Works for Roadwork and Stormwater (Lilywood, Stage 5)

The development allowed by this approval must be carried out in accordance with the attached Decision package.

Attached is an extract from the *Planning Act 2016* which details your appeal rights and the appeal rights of any submitters, if applicable, regarding this decision.

Should you require any further information about this matter, please contact Xavier Dubreuil as referenced above.

Yours faithfully

Xavier Dubreuil
Senior Engineer
Development Services

Enclosures: Attachment 1 - Decision Notice

Attachment 2 - Assessment Manager Conditions Attachment 3 - Approved Plans / Documents Attachment 4 - Appeal Rights

# **ATTACHMENT 1**

**Decision Notice** 

### **Decision Notice**

### Planning Act 2016, section 63

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Application No: DA/2025/0341

Applicant: Lennium Group

Street Address: Park Crabapple Court UPPER CABOOLTURE

409-423 Caboolture River Road LILYWOOD

Real Property Description: Lot 12 RP 866105 Lot 102 SP 292555

Planning Scheme: Moreton Bay Regional Council Planning Scheme

### **APPROVAL DETAILS**

Date of Decision: 16 April 2025

The development application was approved by Council's Delegate as the Assessment Manager subject to conditions (refer Attachment 2).

Application Type	Development Permit	Preliminary Approval
Operational Works for Roadwork and Stormwater (Lilywood, Stage 5)	$\overline{\checkmark}$	

### **OTHER NECESSARY PERMITS**

Not applicable.

In addition to this approval, you may also be required to obtain a water approval from the Northern SEQ Distributor Retailer, trading as Unitywater. To engage a Registered Certifier to lodge your connection application, go to Unitywater's website <a href="www.unitywater.com/certifier">www.unitywater.com/certifier</a>

### **CURRENCY PERIOD OF APPROVAL**

The currency period stated in section 85 of the *Planning Act 2016* applies to this approval as outlined below:

• Operational Works - 2 years from the date of this approval starts to have effect.

### **DEEMED APPROVAL**

Not applicable.

### **VARIATION APPROVAL**

Not applicable.

### **INFRASTRUCTURE**

Unless otherwise specified, all assessment manager conditions of this development approval relating to the provision of infrastructure are non-trunk infrastructure conditions under Chapter 4, section 145 of the *Planning Act 2016*.

### **ASSESSMENT MANAGER CONDITIONS**

The Conditions relevant to this development approval are listed in Attachment 2 of the Decision package.

### **APPROVED PLANS / DOCUMENTS**

The approved plans and/or documents as listed below for this development approval are included in Attachment 3 of the Decision package.

The approved plans/documents for this development approval are listed below.

Approved Plans and Documents			
Plan / Document Name	Reference Number	Prepared By	Dated
Title Sheet & Locality Plan	22-000082_5 Dwg. 1000 Rev. A	Egis	22/01/2025
Site Setout Plan	22-000082_5 Dwg. 1100 Rev. A	Egis	22/01/2025
Retaining Wall Setout Plan	22-000082_5 Dwg. 1200 Rev. A	Egis	22/01/2025
Retaining Wall Notes and Details	22-000082_5 Dwg. 1201 Rev. A	Egis	22/01/2025
Control Line Setout Plan	22-000082_5 Dwg. 1300 Rev. A	Egis	22/01/2025
Roadworks Layout Plan Sheet 1 of 2	22-000082_5 Dwg. 1310 Rev. A	Egis	22/01/2025
Roadworks Layout Plan Sheet 2 of 2	22-000082_5 Dwg. 1311 Rev. B	Egis	07/03/2025
Road 7 (Pembroke Drive) Longitudinal Section	22-000082_5 Dwg. 1330 Rev. A	Egis	22/01/2025
Road 7 (Pembroke Drive) Cross Sections	22-000082_5 Dwg. 1331 Rev. A	Egis	22/01/2025
Stormwater Layout Plan Sheet 1 of 2	22-000082_5 Dwg. 1400 Rev. A	Egis	22/01/2025
Stormwater Layout Plan Sheet 2 of 2	22-000082_5 Dwg. 1401 Rev. B	Egis	07/03/2025
Stormwater Notes and Details	22-000082_5 Dwg. 1402 Rev. B	Egis	07/03/2025
Stormwater Catchment Plan	22-000082_5 Dwg. 1410 Rev. A	Egis	22/01/2025
Stormwater Longitudinal Sections Sheet 1 of 2	22-000082_5 Dwg. 1420 Rev. B	Egis	07/03/2025
Stormwater Longitudinal Sections Sheet 2 of 2	22-000082_5 Dwg. 1421 Rev. B	Egis	07/03/2025
Stormwater Calculations Table Minor	22-000082_5 Dwg. 1430 Rev. A	Egis	22/01/2025

Approved Plans and Documents			
Plan / Document Name	Reference Number	Prepared By	Dated
Stormwater Calculations Table Major	22-000082_5 Dwg. 1431 Rev. A	Egis	22/01/2025
Stormwater Structure Details	22-000082_5 Dwg. 1440 Rev. A	Egis	22/01/2025
Bio-Basin F3-2 Layout Plan	22-000082_5 Dwg. 1700 Rev.	Egis	22/01/2025
Bio-Basin F3-2 Setout Plan	22-000082_5 Dwg. 1701 Rev.	Egis	07/03/2025
Bio-Basin F3-3 Layout Plan	22-000082_5 Dwg. 1702 Rev. B	Egis	07/03/2025
Bio-Basin F3-3 Setout Plan	22-000082_5 Dwg. 1703 Rev. B	Egis	07/03/2025
Bio-Basin Plans and Notes Details	22-000082_5 Dwg. 1704 Rev. B	Egis	07/03/2025

### **ASSESSMENT BENCHMARKS**

The Assessment Benchmarks that applied to the development from the following Categorising Instruments include;

### Categorising Instrument (Planning Regulation 2017)

State Planning Policy

• State Planning Policy 2017, Part E.

Regional Plan

• South East Queensland Regional Plan 2017 (ShapingSEQ).

### **Local Categorising Instrument (Moreton Bay Regional Planning Scheme)**

- Works Code
- Reconfiguration a lot (applicable precinct only), and,
- Caboolture West Local Plan Code

### **Local Categorising Instrument (Variation Approval)**

Not applicable.

### **Local Categorising Instrument (Temporary Local Planning Instrument)**

Not applicable.

### OTHER RELEVANT ASSESSMENT MATTERS

Not applicable.

### **REASONS FOR THE DECISION**

Not Applicable.

# REASONS FOR APPROVAL DESPITE NON-COMPLIANCE WITH ASSESSMENT BENCHMARKS

Not applicable.

### **REFERRAL AGENCY CONDITIONS**

There were no Referral Agencies applicable to this development application.

### **SUBMISSIONS**

Not applicable.

### **APPEAL RIGHTS**

Attachment 4 of the Decision package is an extract from the *Planning Act 2016* which details your appeal rights, and the appeal rights of any submitters, if applicable, regarding this decision.

# **ATTACHMENT 2 Assessment Manager Conditions of Approval**

COND	ITION	TIMING		
OPER	ATIONAL WORKS			
DEVE	DEVELOPMENT ENGINEERING			
1	Road Classifications for Pavement Design			
	Design pavement in accordance with the following road classifications:	Prior to subgrade inspections.		
	Road 07 - Modified living Residential - 1.2 x 10 <sup>5</sup> ESA			
2	Non-Conforming Designs			
	Only non-conforming designs listed in this approval have been accepted. All other discrepancies with Council standards shall be redesigned and / or reconstructed as necessary to conform with Council standards at no cost to Council.	At all times during construction and prior to works being accepted Off Maintenance.		
3	Errors and Omissions			
	Where errors or omissions occur in the design or works do not conform to or meet Council standards then these works shall be rectified to comply with Council standards at no cost to Council.	At all times during construction and prior to works being accepted Off Maintenance.		
	Where drawings contain insufficient detail or do not contain details of works that are either necessary or associated with the development then these works shall be designed and constructed to Council standards.			
	Only the approved plans shall be used for construction.			
	Note: Council reserves the right to amend the approved drawings or request further information should this become necessary.			
4	Works – Applicant's Expense			
	All works, services, facilities and/or public utility alterations required by or as a consequence of this approval or stated condition/s, whether carried out by the Council or otherwise, shall be at the developer's expense unless otherwise specified or agreed in writing.	At all times during construction and prior to works being accepted Off Maintenance.		
	Replace existing Council infrastructure (including but not limited to street trees and footpaths) to Council's standards.			
5	Works – Connection to existing works			
	Where existing works, including roads and drainage works, will not link up with and join smoothly to proposed works and are not more than twenty (20) metres from the nearest point of the proposed works the developer shall carry out such works as are necessary to ensure that the incomplete works, including roads and drainage, are constructed to link up with	Prior to works being accepted On Maintenance.		

CC	DND	ITION	TIMING
		and join smoothly to the works proposed in accordance with Council's standards.	
		These works are to be undertaken at the developer's expense unless otherwise specified or agreed in writing.	
6		Notification of Finalisation of Works	
		Notify Council in writing that the development works on site have been finalised.	At the time of completion of construction.
7		As Constructed Drawings	
	A	Provide, for review and approval, Council with a preliminary set of the surveyor and engineering As Constructed drawings for the approved works and a digital ADAC file.	Prior to requesting an On Maintenance inspection.
		Note: The current design standard and relevant planning scheme policy is MBRC Planning Scheme Policy Operational Works inspection, maintenance and bonding procedures.	
	В	Submit 'As Constructed' drawings and digital ADAC file in accordance with Council's Planning Scheme, relevant Planning Scheme Policies and design standards current at the time of development.	Prior to works being accepted On Maintenance.
8		Works in Existing Roads	
	A	Works carried out in or affecting existing Roads must be undertaken so that these roads are maintained in a safe and useable condition.	At all times.
	В	Provide to Council's delegated officer and receive acknowledgement of a Traffic Management Plan, with site specific Guidance Scheme, prepared and signed by an appropriately qualified person and in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) for any works that will affect traffic movements or traffic safety in existing roads.	At least five (5) days prior to undertaking the works in or affecting existing roads.
		Note:  1. A 'Part Road Closure Application' for Development Works form is to accompany the Traffic Management Plan submission.	
		<ol> <li>This submission is required to be made in addition to any Traffic Management Plan which has been submitted and/or approved as part of a Construction Management Plan for the site during the development application process for Material Change</li> </ol>	

COND	TION	TIMING
	of Use or Reconfiguring a Lot or subsequent non- IDAS applications.	
9	Information Sign – Works in Existing Roads	
	A construction advisory road sign must be erected and regularly updated and maintained displaying the developer and contractors details and the expected completion date for works on existing roads. The sign shall be located so as be clearly legible to the public from of minimum 15m distance from the existing road on which the works are to be carried out on.	For the duration of the works from commencement to acceptance of On Maintenance.
10	Notification to Affected Premises	
А	Provide Council with a copy of an information kit for 'Notification to Affected Premises' which includes the following:  1. A layout plan of the proposed development showing adjoining lot boundaries, new and existing roads, park and open space, drainage reserves and community purposes lots as applicable;	Prior to distribution of information kit to residents.
	<ol> <li>Details of any external works with any changes to existing works highlighted for easy identification;</li> </ol>	
	3. Scheduled start and completion dates;	
	<ol> <li>Contact names and phone numbers for the Developer, Supervising Engineer, Consulting Engineer, the Contractor, Wildlife Spotter and who to contact in an emergency; and</li> </ol>	
	<ol><li>The site working hours authorised for the site works.</li></ol>	
В	Provide all occupiers of premises adjoining the site, directly opposite the frontage of the site, adjacent to and directly opposite external works and residents/occupiers likely to be directly affected by the works with a copy of the 'Notification to Affected Premises' information kit.	Not less than 14 days prior to commencing any construction works.
	Provide Council's delegated officer with a list of premises which the information kit has been delivered to.	
11	Information Sign – Development Works	
	An information sign containing the following details and after hours contact details must be provided at each entrance to the development site:  1. Developer	For the duration of the development works from commencement to acceptance On Maintenance by
	<ol><li>Supervising Consultant/ Engineers / Project Manager</li></ol>	Council.

COND	ITION	TIMING
	3. Principal Contractor	
	The sign must be at least 0.9m (W) by 0.6m (H). The sign must be erected and maintained for the duration of the development works.	
12	Prestart Meeting	
	Arrange a prestart meeting with Council officers from Development Services section on 3205 0555 or (Email - council@moretonbay.qld.gov.au - Attention - Development Services - Engineering Waraba Construction Team - Referencing DA/2024/2330.  The following people will be required to attend the prestart meeting:  1. Developer's Supervising Engineer	Not less than 7 days prior to commencing any construction works.
	'	
	4. Fauna Manager (where required).	
13	Mandatory Inspections with Council Officers	
	Submit required documentation for each mandatory inspection in accordance with MBRC Planning Scheme Policy - Operational Works inspection, maintenance and bonding procedures.	Prior to requesting inspection.
	Undertake the following inspections with Council's delegated officer (where applicable to approved works) in accordance with MBRC Planning Scheme Policy - Operational Works inspection, maintenance and bonding procedures:	As prescribed below.
А	Stormwater drainage.	Prior to backfilling stormwater trenches.
В	Subgrade / box inspection.	Prior to placement of structural pavements.
С	Preseal inspection.	Prior to priming and sealing of structural pavements.
D	For concrete slabs and concrete pavements - foundations / subgrade and pre-pour inspections.	Prior to concrete pouring.
E	On maintenance inspection for Council's acceptance of all works.	Prior to works being accepted On Maintenance.
F	Off maintenance inspection of all works.  Note: Reinspections attract a fee in accordance with Council's Fee Schedule. The fee must be paid prior to the reinspection.	After maintenance period has elapsed.

COND	TION	TIMING
G	Provide Council's delegated officer with a copy of an Engineers' Certificate Soil tester's reports demonstrating that required compaction standards, finished levels and textures of finish have been obtained in accordance with Council's Planning Scheme Policy - Operational Works inspection, maintenance and bonding procedures.	Prior to proceeding to construction of next layer or surfacing.
14	Testing Frequency – General	
A	All testing of the works shall be carried to comply with the minimum testing frequencies given in MBRC Planning Scheme Policy - Operational Works inspection, maintenance and bonding procedures.	At all times during construction.
	Note: Council's delegated officer may vary the frequency of testing to suit site conditions but must provide written advice to the supervising engineer prior to commencement of the relevant works.	
В	Provide a plan identifying locations where testing has occurred.	Prior to works being accepted On Maintenance.
15	Construction Hours Restrictions	
	Ensure hours of construction are limited to 0630 to 1830 Monday to Saturday and not at all on Sundays and public holidays.	At all times.
	Note: Council's engineer may approve (in writing) work outside the above hours where it can be demonstrated to the satisfaction of Council that the work will not cause unreasonable interference with the amenity of adjoining premise and any person.	
16	Construction Nuisance and Annoyance	
	Ensure construction works do not cause unreasonable interference with the amenity of adjoining premise and any person by reason of noise, vibration, electrical interference, smell, fumes, vapour, steam, soot, ash, dust, silt, wastewater, waste products, grit, oil or otherwise.	At all times.
17	Construction Site Management	
	Ensure the construction site is kept in a clean and tidy state.	At all times.
18	Temporary Sedimentation, Erosion and Runoff Control	
А	Implement an Erosion and Sediment Control Plan which is prepared by an experienced Certified Professional in Erosion and Sediment Control (CPESC) in accordance with International Erosion Control Association Australasia (IECA) Best Practice and Sediment Control document and MBRC Planning Scheme current at the time of development.	Prior to commencement of works and to be maintained current at all times during construction and until the development is

COND	ITION	TIMING
		accepted off- maintenance.
В	The temporary erosion and sediment control measures shall be maintained and be functional until the end of the Maintenance Period for the works or earlier if Council's delegated officer considers they are no longer required.	At all times during construction.
	Note: Council's delegated officer may order additional measures to control silt on site at no cost to Council.	
19	Haul Routes	
	Submit and have approved by Council's delegated officer all haul routes for the transport of imported or spoil material and gravel pavement material along Council roads below subarterial standard.	Prior to a prestart meeting being held.
	Note: Refer to MBRC Planning Scheme Values and Constraints Mapping - Road Hierarchy for details on subarterial and arterial roads.	
20	Spillage onto Existing Roads	
	Clean those parts of the access route to the site that are affected by any material dropped, deposited or spilled on the roads as a result of construction processes associated with the site.	At all times during construction.
	Note:  1. All materials must be swept up and removed from the roads and not directed into Council's stormwater drainage system.	
	All care must be taken to prevent sediments being deposited on roads.	
21	Dust Control – Nuisance and Annoyance	
	Implement suitable dust control measures. If airborne particles are observed leaving the site, any work is to cease immediately and satisfactory dust suppression is to be implemented.	At all times prior to works being accepted Off Maintenance.
	Note: Dust suppression measures must be in place at all times including weekends and public holidays.	
22	Earthworks Batters	
	Where approved drawings do not include specifications for scour and erosion protection apply the following treatments to batter slopes:  1. Slopes of 1:6 or flatter – topsoil and seed	At all times during construction.

COND	TION	TIMING
	<ol> <li>Slopes between 1:6 and 1:4 – topsoil and turf</li> <li>Slopes of 1:4 or greater – provide treatment recommendation from a qualified geotechnical engineer (R.P.E.Q.) for Council approval prior to undertaking batter works</li> <li>Or as directed by Council.</li> </ol> Note: Batters within Open and Civic Spaces are to be treated in accordance with MBRC Planning Scheme Policy Integrated	
	Design - Open and Civil Space Design.	
23	Road Crossings in Existing Roads	
	All services crossings under Existing Council Roads are to be tunnel bored unless approved otherwise by Council's delegated officer.	At all times during construction.
	<ul> <li>Where approval is given for open trenching, the following is to apply:</li> <li>1. Minor Roads - backfill shall be compacted in layers to 95% standard maximum dry density and topped with 300mm of pavement material and a 50mm AC wearing course.</li> </ul>	
	<ol> <li>Sub-arterial or Arterial roads - refer to</li> <li>I.P.W.E.A. Standard Drawing RS-170.</li> </ol>	
	3. Verge - Backfill shall be compacted to 90% standard maximum dry density and topped with 75mm of sandy loam. Restoration of any vegetation shall be undertaken to a standard as near as practicable to the pre-construction standard.	
24	Site works – Stormwater Runoff Quality	
	Carry out earthworks in accordance with the State Planning Policy - Water Quality and IECA Best Practice Erosion and Sediment Control document.  Note:	At all time during construction and until the site is suitably stabilised.
	1. Soil disturbances of greater than 1.0 hectares will require a site specific Erosion & Sediment Control Plan.	
	2. Earthworks are to be undertaken to ensure that soil disturbances are staged into manageable areas of not greater than 3.5 hectares.	
25	Unsuitable Fill Materials	

COND	ITION	TIMING
	Ensure that all fill material used on the development site is free of unsuitable materials, identified in AS3798 and the following:  1. actual acid sulfate soils and potential acid sulfate soils;	At all times.
	2. organic or putrescible matter;	
	<ol> <li>material imported from land which is, or has been, listed on the "Environmental Management Register" under the Environmental Protection Act 1994; and</li> </ol>	
	4. building demolition material.	
26	Compaction Requirements	
	All fill material which is intended to be load bearing, or the finished surface level of which is required to remain approximately constant, is selected, placed and compacted to the standard prescribed in Australian Standard AS3798 Guidelines on Earthworks for Commercial and Residential developments.	At all times during construction.
27	Advisory Sign – Future Road Extension	
	At the end of each road that is intended to extend with future development an advisory sign shall be supplied and erected to inform residents and the public of the future road extension. The sign shall be worded as follows:	Prior to works being accepted On Maintenance.
	"This road may be extended with future development of the adjoining land. For further information refer to Council's Planning Scheme."	
	This sign must be easily read at a distance of 5 metres. The sign shall not be attached to the road end hazard sign above the sign board.	
28	Pavement Design	
A	All road pavements must be designed, constructed and tested in accordance with MBRC Planning Scheme Policy - Integrated Design - Street, Roads and Utilities and standard drawings current at the time of construction.	At all times during construction.
	Note:  1. Council requires a primer seal placed under all asphalt surfaces.	
	<ol> <li>Increased asphalt surface thicknesses for road thresholds are to be identified in the pavement design.</li> </ol>	

COND	ITION	TIMING		
В	Submit, for review and approval by Council's delegated officer, a pavement design for all roads. Pavement designs are to include Soil tester's reports.	Prior to subgrade inspection.		
29	Pavement Jointing Detail			
	Undertake pavement jointing in accordance with I.P.W.E.A.Q. Standard Drawings RS-170.	Prior to works being accepted On Maintenance.		
30	Concrete Footpaths			
	Construct concrete footpaths and kerb ramps in accordance with I.P.W.E.A. Standard Drawings RS-065 and RS-090.	Prior to works being accepted On Maintenance.		
31	Street Signs			
	Street signs must be provided in accordance with Council's Standard Drawings and I.P.W.E.A. Standard Drawings.  Note:	Prior to works being accepted On Maintenance.		
	<ol> <li>House numbers required for these signs shall be obtained from Council's house numbering officer by contacting Council's Customer Service.</li> </ol>			
	The MBRC Logo is not to be put on the sign.			
32	Hazard Management			
А	Undertake the hazard identification and treatment process for any additional, existing or introduced hazards identified onsite by the Consultant or by Council's delegated officer during the construction process.  Undertake a review of the identified hazards and provide a copy of the completed Hazard Mitigation Worksheet found in	_		
	AUSTROADS Guide to Road Design Part 6: Roadside Design, Safety and Barriers Appendix B along with any supporting information.			
В	Provide, for review and approval by Council's delegated officer, adequate design documentation for the recommended hazard management treatment in accordance with AS3845:1999 and AUSTROADS Guide to Road Design Part	Prior to construction of any hazard management treatment.		
	6: Roadside Design, Safety and Barriers.			
С	,	Prior to works being accepted On Maintenance.		

COND	ITION	TIMING		
	Provide cut-off drains at the top of the batter with turf or rock lined batter drains for all batters and/or retaining walls generally higher than 600mm in height and with a catchment greater than 1000m2.	Prior to works being accepted On Maintenance.		
	Note: Where these are not detailed on the approved drawings then these works shall be in accordance with Council's current standards.			
34	Stormwater Runoff Control – Open Drains			
	Provide lining with appropriate scour protection to all open drains and bunds in accordance with Council's Planning Scheme, Planning Scheme Policies and standard drawings current at the time of development.	Prior to works being accepted On Maintenance.		
	Note: Dumped rock is generally not considered as an appropriate solution.			
35	Stormwater Pipe Outlets and Culvert Inlets and Outlets			
	Stabilise all culvert inlets and outlets or stormwater drainage outlets in accordance with industry best practice and the following requirements:  1. Rock gabion baskets/rock mattresses	At all times.		
	<ol> <li>Grouted rock/stone pitching with a properly designed and prepared base and constructed to the following requirements:</li> </ol>			
	i. Mortar to be 1 part cement to 3 parts sand (by volume).			
	<ul><li>ii. Open face stone pitching is to be used where the concrete is recessed 50mm behind the stone facing.</li></ul>			
	iii. Select spalls to avoid sharp edges.			
	<ol> <li>Other solutions as approved by Council's delegated officer.</li> </ol>			
	Note: Dumped rock is generally not considered as an appropriate solution.			
36	Stormwater Overland Flow – Site Earthworks			
	Earthworks must be undertaken on the site so as not to cause nuisance and annoyance to any person or premises. The development must:  1. Allow stormwater overland flow which entered the land prior to the commencement of the earthworks to continue to enter the land; and	At all times during construction.		

С	OND	ITION	TIMING
		<ol> <li>Ensure stormwater overland flow from the development site is not discharged or diverted onto land (other than a road) adjacent to the site in a manner which:</li> </ol>	
		<ul> <li>i. concentrates the rate of flow at any point along the property boundary; or</li> </ul>	
		ii. increases the peak flow rates of stormwater discharged at any point along the property boundary; beyond that which existed prior to commencement of these earthworks.	
37	7	CCTV – Stormwater Pipes	
	A	Undertake and provide, to the satisfaction of the Council, a high definition Closed Circuit Television (CCTV) recording of all stormwater pipes, including inter allotment roof water drainage. Recording to be undertaken within one month immediately preceding making a request for On Maintenance inspection and post road pavement construction works. CCTV to clearly display all joints (full surrounds) and any form of damage or defects, including date and time of the recording.	Prior to a request for On Maintenance Inspection
		The recording is to include a report signed by a suitably qualified Registered Professional Engineer Queensland (RPEQ) stating that the recording has been reviewed and all works are satisfactory.	
		Where defects have been identified, consultant is to provide method of rectification to Council for approval, prior to carrying out any rectification works.	
	В	Undertake and provide, to the satisfaction of the Council, a high definition Closed Circuit Television (CCTV) recording of all stormwater pipes, including inter allotment roof water drainage. Recording to be undertaken within one month immediately preceding making a request for Off Maintenance inspection. CCTV to clearly display all joints (full surrounds) and any form of damage or defects, including date and time of the recording.	Prior to a request for Off Maintenance inspection.
		The recording is to include a report signed by a suitably qualified Registered Professional Engineer Queensland (RPEQ) stating that the recording has been reviewed and all works are satisfactory.	
		Where defects have been identified, consultant is to provide method of rectification to Council for approval, prior to carrying out any rectification works.	

COND	ITION	TIMING		
38	Provision of Kerb Adapters			
	Provide a minimum of two (2) metal kerb adaptors per lot for lots that drain to the road. Where a lot has side crossfall of up to 1.5%, one (1) kerb adaptor shall be located at each side of the lot. Where a lot has side crossfall of greater than 1.5%, both kerb adaptors shall be located at the low side of the lot.	Prior to works being accepted On Maintenance.		
	For lots with a concrete footpath at the frontage, the kerb adaptors shall be connected to the front boundary of the lot with Class SN8 uPVC stormwater pipe.			
39	Certification – Public Stormwater Management Infrastructure			
	Provide documentation to Council from a Registered Professional Engineer (RPEQ) specialising in stormwater design certifying that the stormwater management treatment train as approved in the stormwater management plan and design drawings has been constructed in accordance with engineering best practise and is functioning as designed.	Prior to works being accepted On Maintenance.		
	The certification shall include the completed sign-off forms for bioretention systems prepared by Water by Design in Partnership with Healthy Waterways shall be completed. The sign-off forms are accessible from <a href="https://www.waterbydesign.com.au">www.waterbydesign.com.au</a> .			
40	Public Bioretention Inspections			
	Provide Council with notice of the subsoil drains being laid and the filter media being installed.  Note: Council's delegated officer may attend the inspection.	Not less than 48 hours prior to subsoil drains being laid and the filter media being installed.		
41	Maintenance Process for Public Bioretention Basin	media being installed.		
A	The entire bioretention basin shall act as a sediment basin.  Note: Council will consider alternative solutions to achieve the desired outcome.	During the build-out phase (80%) or up to a maximum of two (2) years.		
В	Submit, for review and approval by Council's delegated officer, a deferred works schedule to cover the cost of basin conversion plus twenty-five percent (25%) and in accordance with the requirements of Council's Planning Scheme Policy - Operational Works inspection, maintenance and bonding procedures.	Prior to the bioretention basin area being accepted On Maintenance as a sediment basin.		
	The following works are to be included as a minimum in the deferred works bond schedule:  • removal of sacrificial turf and geofabric; and			
	<ul> <li>In-situ hydraulic conductivity testing of filter material in accordance with the "Guidelines for Soil Filter Media</li> </ul>			

COND	ITION	TIMING
	in Bioretention Systems: (produced by the Faculty for Advanced Water Biofiltration) requirements.	
	<ul> <li>Planting out of the basin in accordance with the approved landscaping drawings.</li> </ul>	
С	Construct deferred works and any other works necessary to convert to the basin from sediment basin to a functioning bioretention basin in accordance with Council's Planning Scheme Policy - Operational Works inspection, maintenance and bonding procedures.	Once the contributing catchment achieves eighty percent (80%) build-out or a maximum of 2 years.
	In-situ hydraulic conductivity testing of filter material is to be provided to Council's delegated officer to demonstrate that area can be planted out. Where in-situ hydraulic conductivity testing shows that the filter material is not acceptable then replacement of the filter material is required in addition to planting out of basin area.	
	Note: Deferred Works for bioretention basin conversion are subject to a separate on maintenance process to the other civil works for the development. The On Maintenance process is to be in accordance with Council's Planning Scheme Policy - Operational Works inspection, maintenance and bonding procedures including on and off maintenance inspections and maintenance period.	
42	Fertilisers for Grassing and Landscape Works	
	Odorous chemicals, fertilisers, soil conditioners or mulches shall not be used on land development projects. Only a non-odorous, commercially bagged and labelled fertiliser shall be used when seeding grass areas or laying turf.	At all times during construction.
	Without limiting the above, Council's delegated officer may approve the use of suitably composed and aged organic material, such as soil conditioners, at the following locations:  1. in isolated locations where existing and proposed houses are considerable distances from the work site; and	
	2. where, in the officer's opinion, their use would not adversely affect the occupiers of any nearby properties with strong odours or loose material blown from the work site.	
	Council's delegated officer will provide the approval in writing	
	with conditions where odorous fertilisers are approved.	

CONDITION	TIMING		
· · · · · · · · · · · · · · · · · · ·	Prior to works being accepted On Maintenance.		

ADV	ADVICES				
1	Development Permit				
	This approval shall comply with all the conditions of related approval as stipulated in Council's Decision Notice – Development Permit dated 11 September 2024 referenced as DA/2022/2253.				
	The Applicant needs to be aware that the Currency Period of that Decision Notice may determine the validity period of this Decision Notice.				
2	Extent of Checking by Council				
	This approval shall not be taken to mean that the drawings have been checked in detail and Council accepts no responsibility whatsoever for the survey information, the design, or for the accuracy of any information or detail contained in the approved drawings and specifications.				
3	Aboriginal Cultural Heritage Act				
	The Aboriginal Cultural Heritage Act 2003 commenced in Queensland on April 16, 2004. Under the Act, indigenous parties are key in assessing cultural heritage significance.				
	The Aboriginal Cultural Heritage Act 2003 establishes a Duty of Care for indigenous cultural heritage. This applies on all land and water, including freehold land. The Cultural Heritage Duty of Care lies with the person or entity conducting the activity.				
	Penalty provisions apply for failing to fulfil the Cultural Heritage Duty of Care.				
	Those proposing an activity that involves additional surface disturbance beyond that which has already occurred on the proposed site need to be mindful of the Duty of Care requirement.				
	Details of how to fulfil the Duty of Care are outlined in the Duty of Care Guidelines gazetted with the Act.				
	Council strongly advises that you contact the relevant state agency to obtain a copy of the Duty of Care Guidelines and further information on the responsibilities of developer under the terms of the <i>Aboriginal Cultural Heritage Act 2003</i> .				

ADV	VICES				
4	Environmental Protection Act				
	It remains the duty of care of the site owner not to cause Environmental Harm as defined under the <i>Environmental Protection Act 1994</i> .				
5	Fill in Proposed Parks				
	Filling is not permitted in proposed parks without prior written approval of Council's Delegated Officer.				
6	Road and Stormwater infrastructure				
	In respect to Road and Stormwater infrastructure, the works shall be designed and constructed in accordance with the relevant Planning scheme codes and policies;				
	The current relevant planning scheme codes and policies are:  1. Works code;				
	2. Reconfiguring a lot codes;				
	3. PSP- Integrated Design				
	4. PSP- Operational Works Inspection, Maintenance and Bonding Procedures.				
	All of which may be downloaded free of charge from Council's website at <a href="https://www.moretonbay.qld.gov.au">www.moretonbay.qld.gov.au</a> .				
	The PSP- Operational Works Inspection, Maintenance and Bonding Procedures also contains details of other requirements such as:  1. arrangements for works going On or Off Maintenance;				
	2. inspection and testing;				
	checklists and certification proforma;				
	4. bonding procedures.				
	Should further information be required regarding the road and stormwater component of the Operational Works Application, please contact Council's Officer, Xavier Dubreuil on phone (07) 5433 2739.				
7	Acceptance Based on Applicant's Certification				
	Council's acceptance of the above submission is based solely on the applicant's certification that the proposal conforms totally to Council's Planning Scheme, Planning Scheme Policies and standard drawings.				
8	Biosecurity Act 2014 - Fire Ant Control				
	Significant portions of the Moreton Bay are within Fire Ant Biosecurity Zone 2 and must remain vigilant for the presence of fire ants. Under the Biosecurity Act 2014, individuals				

### ADVICES

and businesses are responsible for ensuring that they follow the movement controls for specific organic materials to help prevent the spread of fire ants within South East Queensland's fire ant biosecurity zones. Movement of a fire ant carrier from within the fire ant biosecurity zone may need a biosecurity instrument permit.

More information is available on <a href="https://www.fireants.org.au/treat/business--and-industry/movement-controls">https://www.fireants.org.au/treat/business--and-industry/movement-controls</a>

# **ATTACHMENT 3**

**Approved Plans / Documents** 

# LILYWOOD LANDINGS

# STAGE 5 - OPERATIONAL WORKS FOR FOREVERLEN PTY LTD



**CITY OF MORETON BAY** LOT 12 ON RP 866105 AREA OF SITE: 2.040ha DA 2021/4669







	DRAWING INDEX
DWG NO.	DESCRIPTION
DWG NO.	GENERAL
1000	TITLE SHEET & LOCALITY PLAN
1000	KEY PLAN
1100	SITE LAYOUT PLAN
1100	RETAINING WALL SETOUT
1200	RETAINING WALL SETOUT PLAN
1201	RETAINING WALL NOTES AND DETAILS
	CONTROL LINE SETOUT
1300	CONTROL LINE SETOUT PLAN
	ROADWORKS LAYOUT PLAN
1310	ROADWORKS LAYOUT PLAN SHEET 1 OF 2
1311	ROADWORKS LAYOUT PLAN SHEET 2 OF 2
	LONGITUDINAL AND CROSS SECTIONS
1330	ROAD 7 (PEMBROKE DRIVE) LONGITUDINAL SECTION
1331	ROAD 7 (PEMBROKE DRIVE) CROSS SECTIONS
	STORMWATER LAYOUT PLANS
1400	STORMWATER LAYOUT PLAN SHEET 1 OF 2
1401	STORMWATER LAYOUT PLAN SHEET 2 OF 2
1402	STORMWATER NOTES AND DETAILS
	STORMWATER CATCHMENT PLAN
1410	STORMWATER CATCHMENT PLAN
	STORMWATER LONGITUDINAL SECTIONS
1420	STORMWATER LONGITUDINAL SECTIONS SHEET 1 OF 2
1421	STORMWATER LONGITUDINAL SECTIONS SHEET 2 OF 2
	STORMWATER CALCULATION TABLES
1430	STORMWATER CALCULATION TABLES MINOR
1431	STORMWATER CALCULATION TABLES MAJOR
	STORMWATER STRUCTURES DETAILS
1440	STORMWATER STRUCTURES DETAILS
	SEWER RETICULATION PLANS
1500	SEWER RETICULATION COVER SHEET
1501	SEWER RETICULATION LAYOUT PLAN
	SEWER LONGITUDINAL SECTIONS
1510	SEWER RETICULATION LONGITUDINAL SECTIONS SHEET 1 OF 2
1511	SEWER RETICULATION LONGITUDINAL SECTIONS SHEET 2 OF 2
1600	WATER RETICULATION PLANS
	WATER RETICULATION COVER SHEET
1601 1602	WATER RETICULATION LAYOUT PLAN WATER RETICULATION HYDRANT COVERAGE PLAN
1603	WATER RETICULATION DETAILS
1603	BIO-BASIN PLANS
1700	BIO-BASIN F3-2 LAYOUT PLAN
1700	BIO-BASIN F3-2 EATOUT PLAN BIO-BASIN F3-2 SECTION PLAN
1701	BIO-BASIN F3-2 SECTION FEAN
1702	BIO-BASIN F3-3 SECTION PLAN
1703	BIO-BASIN PLANS NOTES AND DETAILS
1704	DIO DADIN'I CANDINOTES AND DETAILS

### CONSTRUCTION HOLD POINT

RIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY LEVELS OF ALL EXISTING **CROSSINGS AND CONNECTION POINTS** 

### CONSTRUCTION NOTE

E DRAWINGS ARE TO BE READ IN CONJUCTION WITH: BULK EARTHWORKS SET - 22-000082\_EWKS

GEOTECHNICAL REPORT

- BAF NORTH-SOUTH TRUNK GRAVITY SEWER SET 22-000027\_NSTS

IMAGINE. CREATE, ACHIEVE.

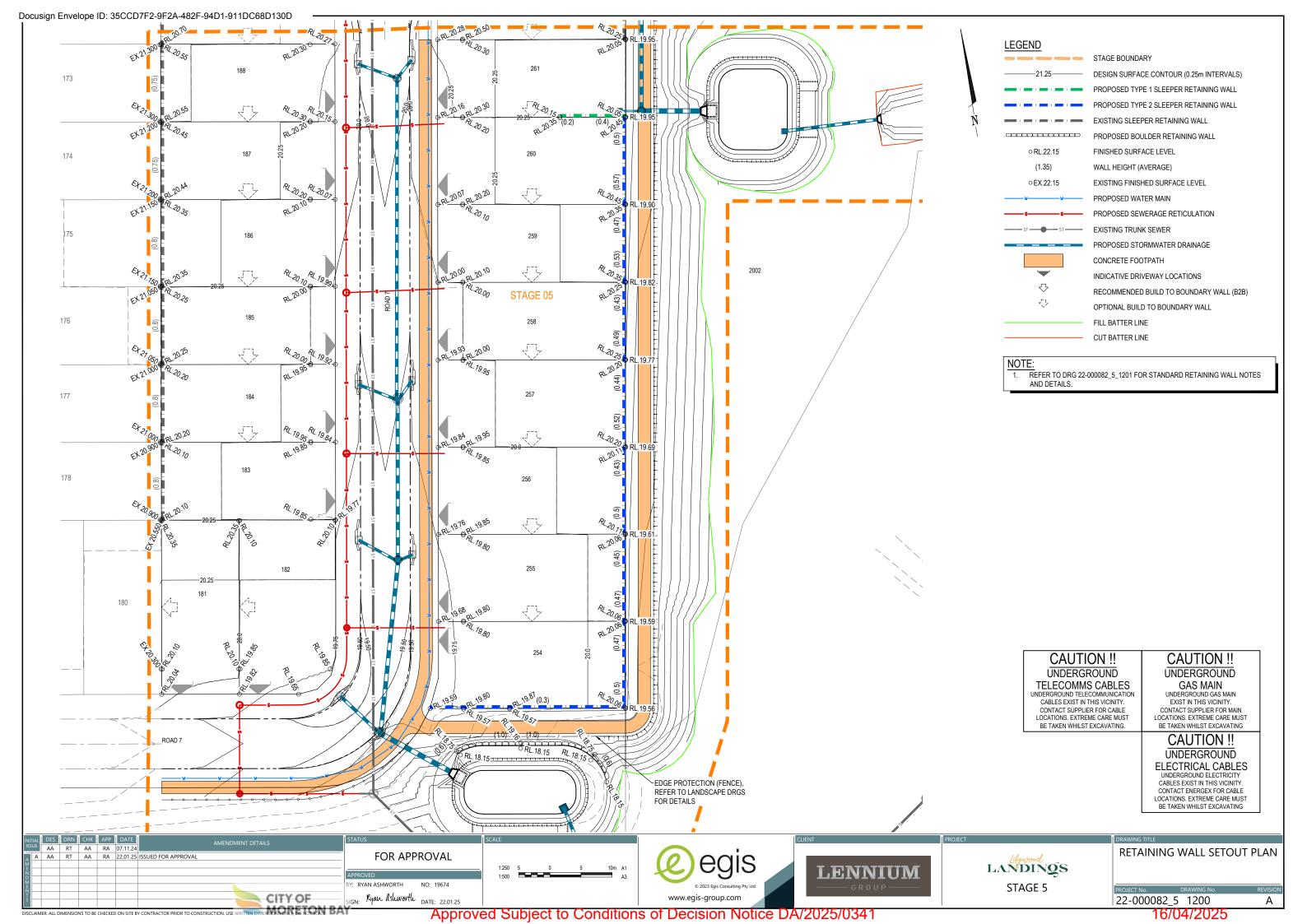
22-000082 5 22 01 25





LANDSCAPE PLANS (BY AECOM)
ELECTRICAL / COMMS PLANS (BY CV SERVICES)





www.egis-group.com

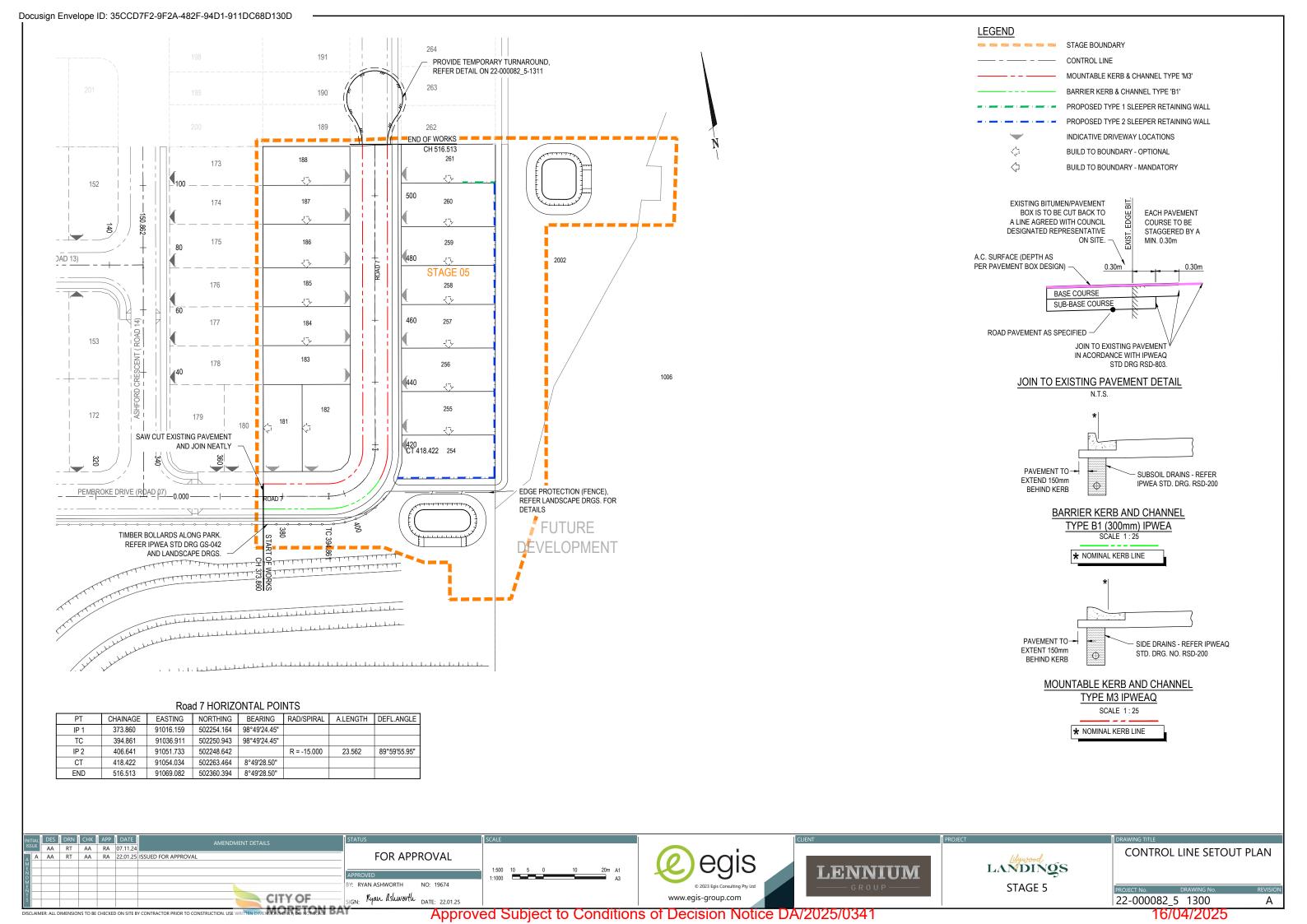
CITY OF

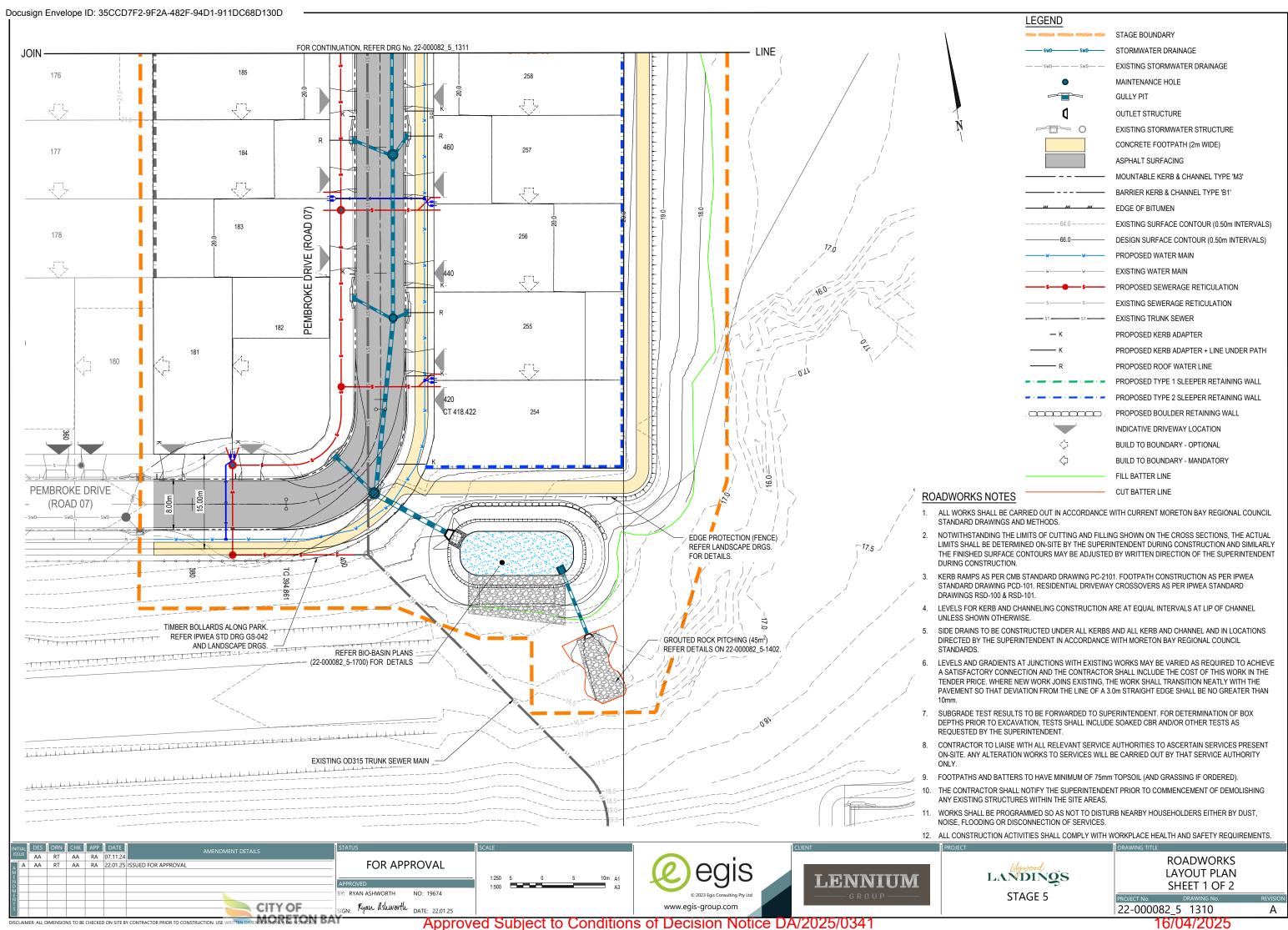
DISCLAIMER: ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION, USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.

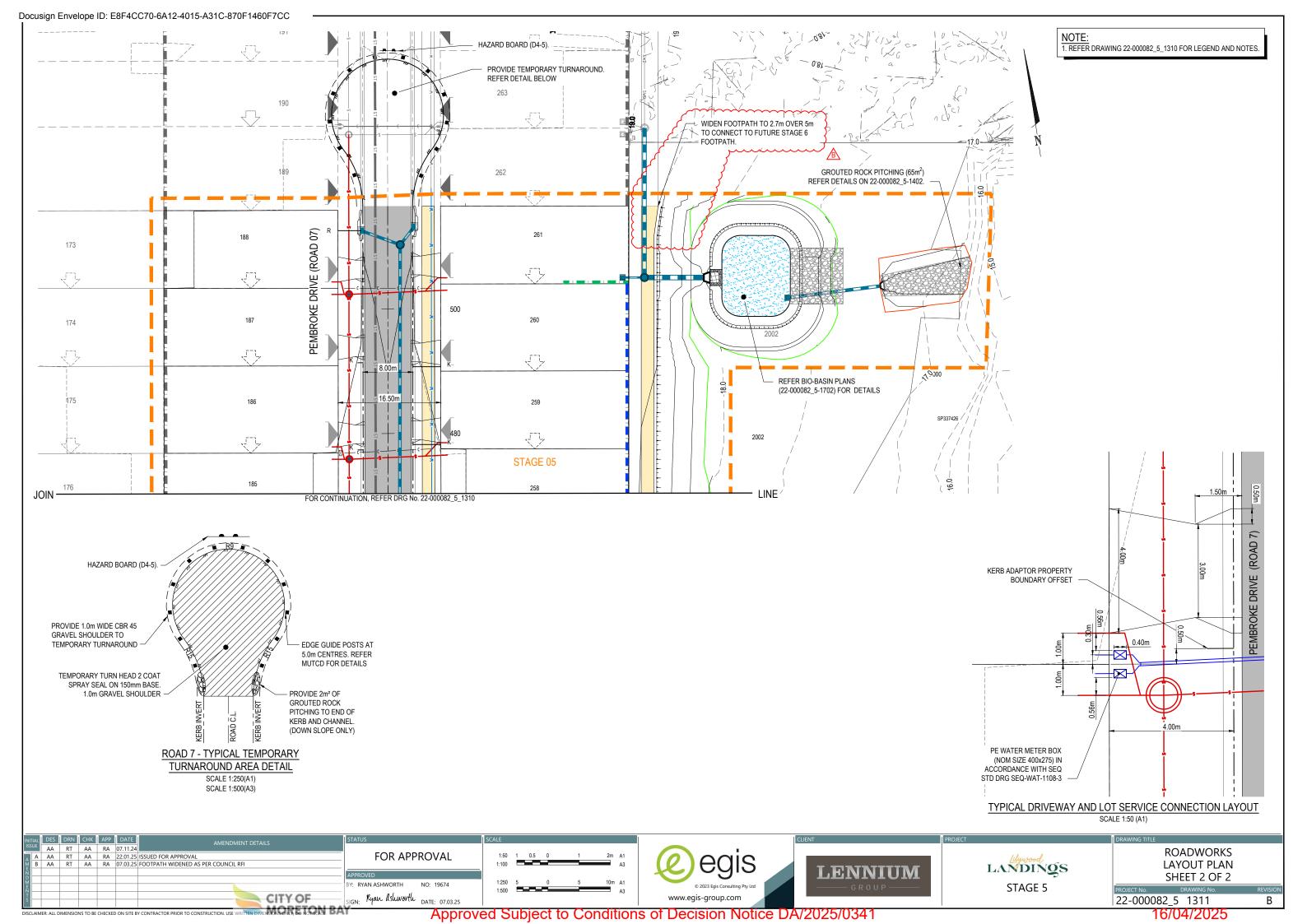
Ryan Ashworth DATE: 22.01.25

22-000082\_5 1201

STAGE 5





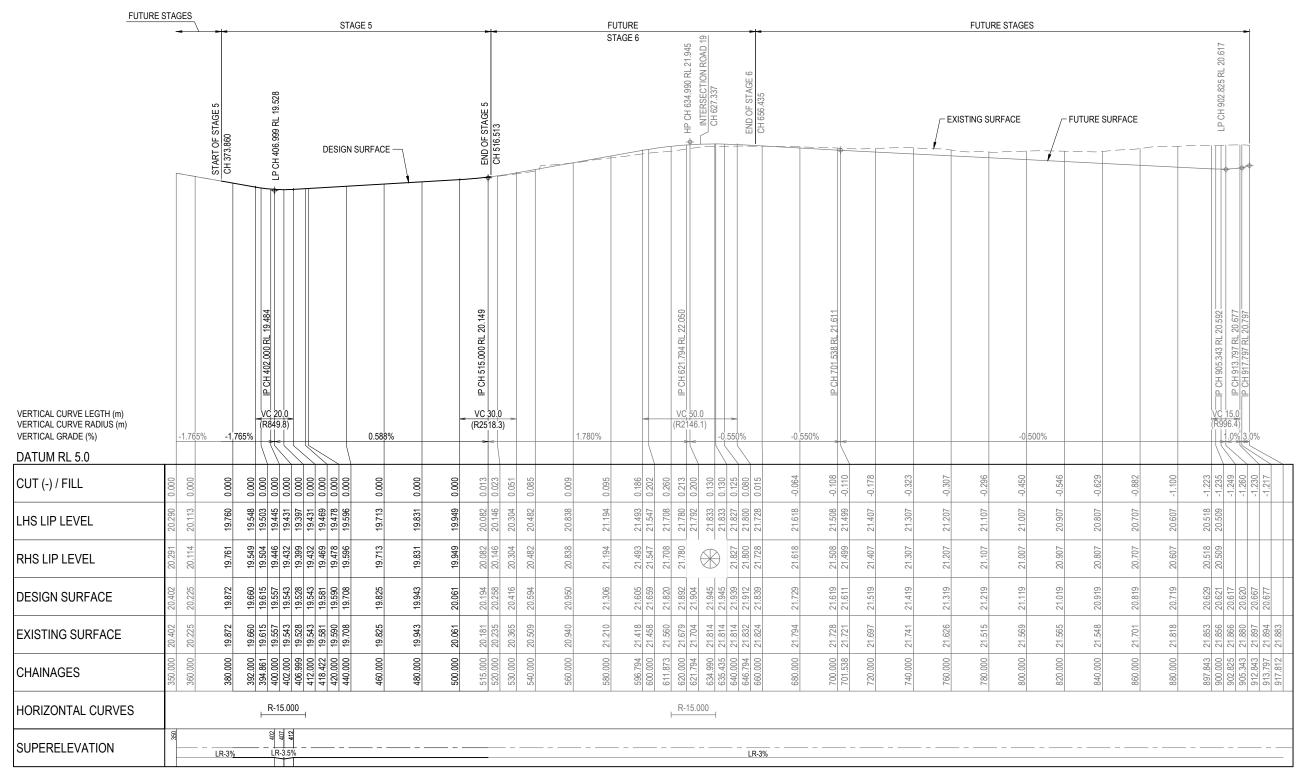


### PRELIMINARY ROAD 7 PAVEMENT DESIGN

	THE LIMITARY TO A PART OF THE PROPERTY OF THE								
ſ	DOAD	ROAD   SOURFACING (MM)   .	BASE	SUB-BASE	LOWER SUB-BASE	TOTAL BOX			
	KUAD		ESA'S	ESA'S ROAD CLASS	AC SORI ACING (IIIII)	(mm)	(mm)	(mm)	(mm)
	ROAD 7	3*	1.2 X 10 <sup>5</sup>	LIVING RESIDENTIAL	25mm BCC TYPE 2	100	100	300	525

<sup>\*</sup> ASSUMED SUBGRADE CBR

- PRELIMINARY PAVEMENT DESIGNS HAVE BEEN BASED ON AN ASSUMED SUBGRADE CBR. ACTUAL PAVEMENT DESIGNS WILL BE BASED ON TEST RESULTS TAKEN AFTER STRIPPING HAS BEEN COMPLETED.
- WHEN THE TOTAL PAVEMENT DEPTH (AS DETERMINED BY SUBGRADE TESTS) EXCEEDS THE NORMAL DEPTH, THE PAVEMENT GRAVEL SHALL EXTEND UNDER THE KERB AND CHANNEL TO 150mm BEHIND (TYP).



LONGITUDINAL SECTION - ROAD 7

LIODIZ SCALE: 4000

REFER INTERSECTION DETAILS FOR LEVELS HORIZ SCALE: 1000

DES DRN CHK APP DATE RT AA RA 22.01.25 ISSUED FOR APPROVAL FOR APPROVAL CITY OF

DISCLAIMER: ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.

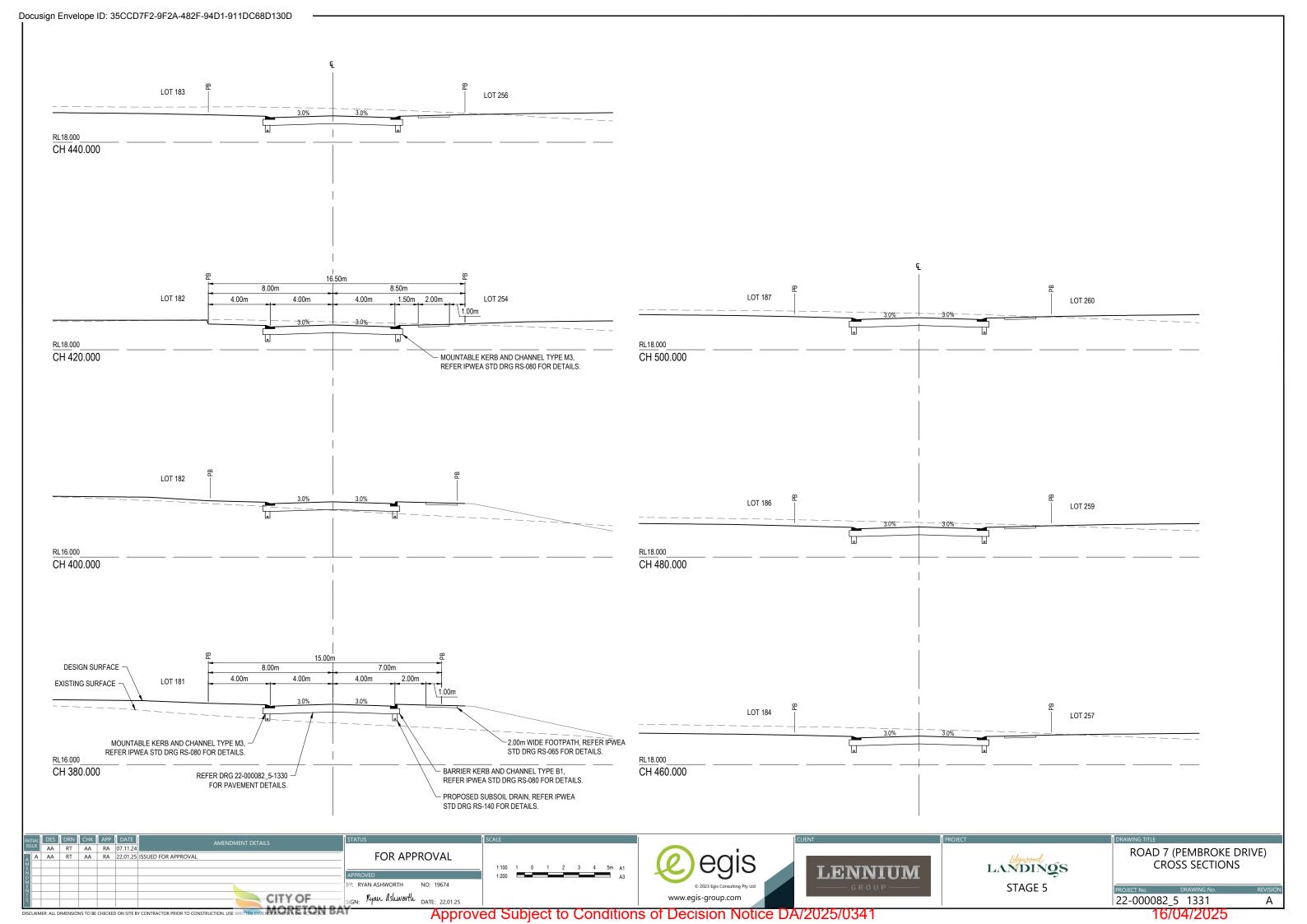


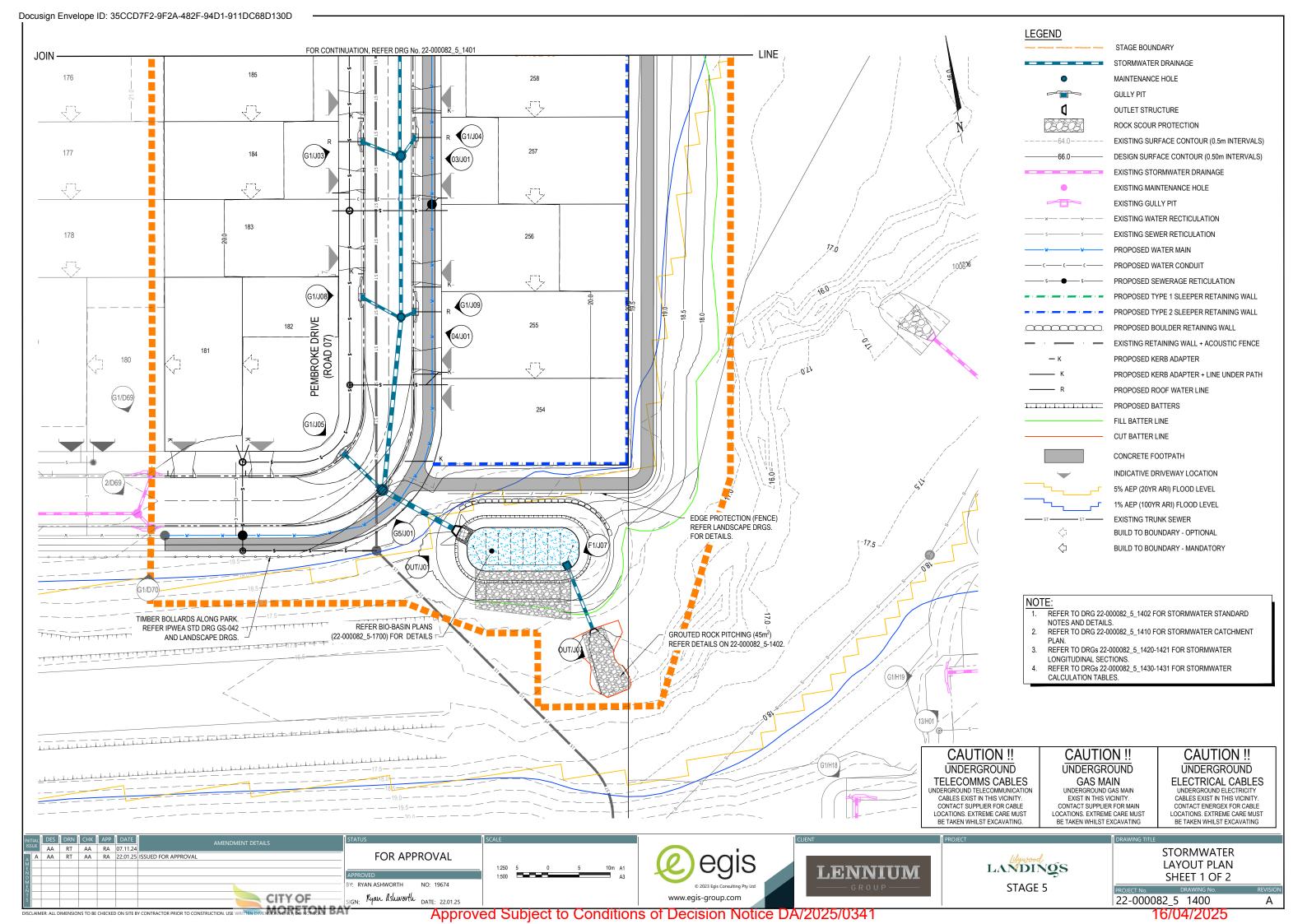


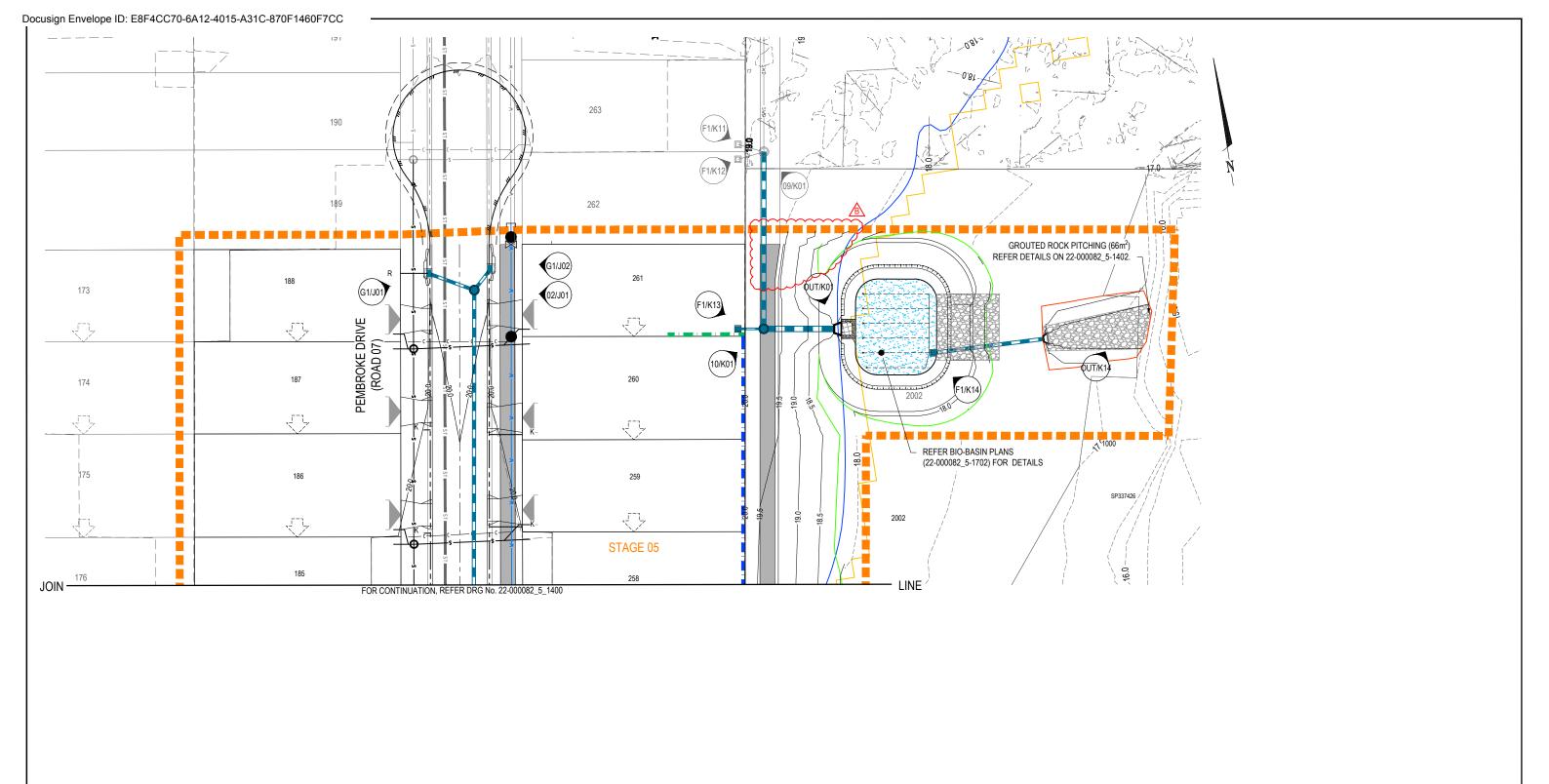


ROAD 7 (PEMBROKE DRIVE) LONGITUDINAL SECTION

22-000082\_5 1330 Α 16/04/2025







- NOTE:

  1. REFER TO DRG 22-000082\_5\_1402 FOR STORMWATER STANDARD NOTES AND DETAILS.
- REFER TO DRG 22-000082\_5\_1410 FOR STORMWATER CATCHMENT
- REFER TO DRGs 22-000082\_5\_1420-1421 FOR STORMWATER LONGITUDINAL SECTIONS.
- REFER TO DRGs 22-000082\_5\_1430-1431 FOR STORMWATER CALCULATION TABLES.

### **CAUTION!! UNDERGROUND TELECOMMS CABLES** UNDERGROUND TELECOMMUNICATION

CABLES EXIST IN THIS VICINITY. CONTACT SUPPLIER FOR CABLE LOCATIONS. EXTREME CARE MUST BE TAKEN WHILST EXCAVATING.

### **CAUTION!! UNDERGROUND** GAS MAIN

UNDERGROUND GAS MAIN EXIST IN THIS VICINITY. CONTACT SUPPLIER FOR MAIN LOCATIONS. EXTREME CARE MUST BE TAKEN WHILST EXCAVATING

### **CAUTION!! UNDERGROUND ELECTRICAL CABLES**

UNDERGROUND ELECTRICITY CABLES EXIST IN THIS VICINITY. CONTACT ENERGEX FOR CABLE LOCATIONS. EXTREME CARE MUST BE TAKEN WHILST EXCAVATING

DES DRN CHK APP DATE CITY OF DISCLAIMER: ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.

FOR APPROVAL IGN: Ryan Ashworth DATE: 07.03.25







**STORMWATER** LAYOUT PLAN SHEET 2 OF 2

22-000082\_5 1401

## STORMWATER DRAINAGE NOTES

- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT M.B.R.C STANDARD DRAWINGS AND METHODS.
- 2. ALL STORMWATER PIPES UNDER ROADWAYS AND FOOTPATHS SHALL BE RCP CLASS 3 U.N.O.
- 3. ALL STORMWATER PIPES UP TO AND INCLUDING 600Ø SHALL BE R.R.J. STORMWATER PIPES GREATER THAN 600Ø SHALL BE INTERNAL FLUSH JOINTED WITH PROPRIETARY EXTERNAL BAND.
- 4. ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE.
- CONTRACTOR TO LIAISE WITH ALL RELEVANT SERVICE AUTHORITIES TO ASCERTAIN SERVICES
  PRESENT ON-SITE. ANY ALTERATION WORKS TO SERVICES WILL BE CARRIED OUT BY THAT SERVICE
  AUTHORITY ONLY.
- 6. THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF DEMOLISHING ANY EXISTING STRUCTURES WITHIN THE SITE AREAS.
- THE STORMWATER PIPE CLASSES HAVE BE DESIGNED FOR SERVICE LOADS ONLY, AND THE CONTRACTOR SHALL ASSESS ANTICIPATED CONSTRUCTION LOADS AND UPGRADE THE PIPE CLASSES IF NECESSARY, IN ACCORDANCE WITH AS3725-2007.
- RETAINING WALL SUBSOIL DRAINS TO CONNECT TO KERB AND CHANNEL SUBSOIL OR STORMWATER DRAINAGE STRUCTURES.
- WORKS SHALL BE PROGRAMMED SO AS NOT TO DISTURB NEARBY HOUSEHOLDERS EITHER BY DUST, NOISE, FLOODING OR DISCONNECTION OF SERVICES.
- ALL CONSTRUCTION ACTIVITIES SHALL COMPLY WITH WORKPLACE HEALTH AND SAFETY REQUIREMENTS.
- 11. ANTI PONDING GULLIES ARE TO BE SIDE ENTRY TYPE. CHAMBER AND GRATE ONLY TYPE NOT TO BE USED.
- 12. GULLY PITS IN EXCESS OF 1.5 METRES DEEP ARE TO BE CONSTRUCTED AS A GULLY PIT/ACCESS CHAMBER STRUCTURE.
- 13. CRACKS IN STORMWATER PIPES WILL NOT BE ACCEPTED.
- 14. LEVELS AND GRADIENTS AT JUNCTIONS WITH EXISTING WORKS MAY BE VARIED AS REQUIRED TO ACHIEVE A SATISFACTORY CONNECTION AND THE CONTRACTOR SHALL INCLUDE THE COST OF THIS WORK IN THE TENDER PRICE. WHERE NEW WORK JOINS EXISTING, THE WORK SHALL TRANSITION NEATLY WITH THE PAVEMENT SO THAT DEVIATION FROM THE LINE OF A 3.0m STRAIGHT EDGE SHALL BE NO GREATER THAN 10mm
- 15. CONDUITS SHALL BE IN ACCORDANCE WITH I.P.W.E.A STD. DRG. RSD-602.
- ALL EXCAVATION AND FILLING SHALL BE COMPACTED TO THE REQUIREMENTS OF AS3798-2007 IN ACCORDANCE WITH THE LOCAL AUTHORITY REQUIREMENTS.
- 17. ALL LEVELS ARE IN METRES ABOVE AUSTRALIAN HEIGHTS DATUM (mAHD) UNLESS OTHERWISE SHOWN

## KERB ADAPTORS NOTES

ALL LOTS NOT DRAINING TO A PROPERTY PIT TO HAVE 2 KERB ADAPTORS . KERB ADAPTORS SHOWN ARE INDICATIVE ONLY AND ARE TO BE INSTALLED IN ACCORDANCE WITH IPWEA STD DRG RSD-201.

## NOTE

NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THE JOB DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE SUPERINTENDENT 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 ANY UNDERGROUND SERVICES IN THIS AREA AND SHALL BE RESPONSIBLE FOR MAKING GOOD ANY DAMAGE THERETO.

## SCOUR PROTECTION NOTES:

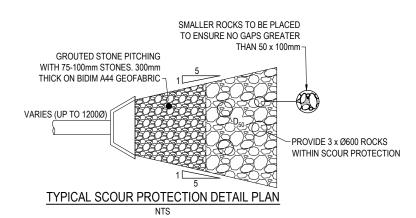
- IF ROCK SIZE IS SPECIFIED ON THE PLAN AS D<sub>50</sub> THIS CORRESPONDS TO A ROCK SIZE WITH A MEDIAN ROCK DIAMETER OF D<sub>50</sub>. A VARIANCE OF ±30% IS ACCEPTABLE. Eg. IF D<sub>50</sub> = 600 IS SPECIFIED THEN THE EQUIVALENT ROCK DIAMETER RANGES FROM 420mm TO 780mm.
- NEITHER BREADTH NOR THICKNESS OF A SINGLE ROCK SHALL BE LESS THAN ONE HALF ITS LENGTH (ie THE ROCK SHALL BE CHUNKY RATHER THAN FLAT).
- 3. ROCK TYPE BASALT OR OTHER APPROVED MATERIAL. TO BE CONFIRMED WITH SUPERINTENDENT BEFORE COMMENCING ROCK WORK.
- 4. ROCKS GREATER THAN  $D_{50}$ =450 TO BE PLACED AND INTERLOCKED INTO POSITION AND BUILT UP TO FINAL LEVELS SHOWN, ENSURING COVERAGE OF GEOFABRIC. GAPS BETWEEN THE BOULDERS ARE TO BE FILLED BY DROPPING STONES INTO GAPS AND LOCKING INTO POSITION WITH A CROWBAR.
- 5. ROCKS LESS THAN & EQUAL TO  $D_{50}$ =450 TO BE DUMPED & MOVED INTO POSITION. BUILD UP TO FINAL LEVELS & ENSURING COVERAGE OF GEOFABRIC.

## REFERENCE POINT LOCATION FOR DRAINAGE

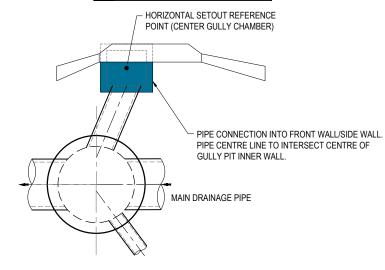
### **STRUCTURES** HORIZONTAL CONTROL VERTICAL CONTROL STRUCTURE (REFERENCE POINT LOCATION) (REFERENCE LEVEL) TYPE € OF MAIN FINISHED SURFACE MANHOLE LEVEL GEOMETRIC. GULLY PIT CENTRE OF PIT KERB LIP LEVEL STRUCTURE INTERSECTION INVERT OF **HEADWALL** OF HEADWALL HEADWALL FACE AND PIPE 9

## **ROCK SCOUR PROTECTION**

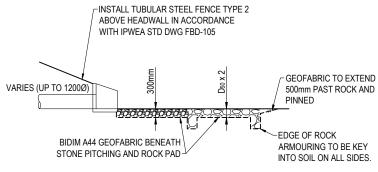
OUTLET	OUTLET PIPE SIZE	VELOCITY	D <sub>50</sub>	'L'
OUT/J07	Ø 450	1.38 m/s	300 mm	5.0m
OUT/K14	Ø 450	1.60 m/s	300 mm	5.0m



NOTE:
CONTRACTOR TO ENSURE PIPE CONNECTORS
TO GULLY PITS ARE NOT CONSTRUCTED INTO
THE CORNER OF TWO WALLS.

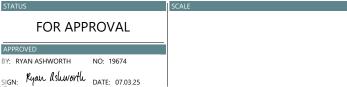


TYPICAL GULLY PIT PIPE CONNECTION DETAIL



TYPICAL SCOUR PROTECTION SECTION









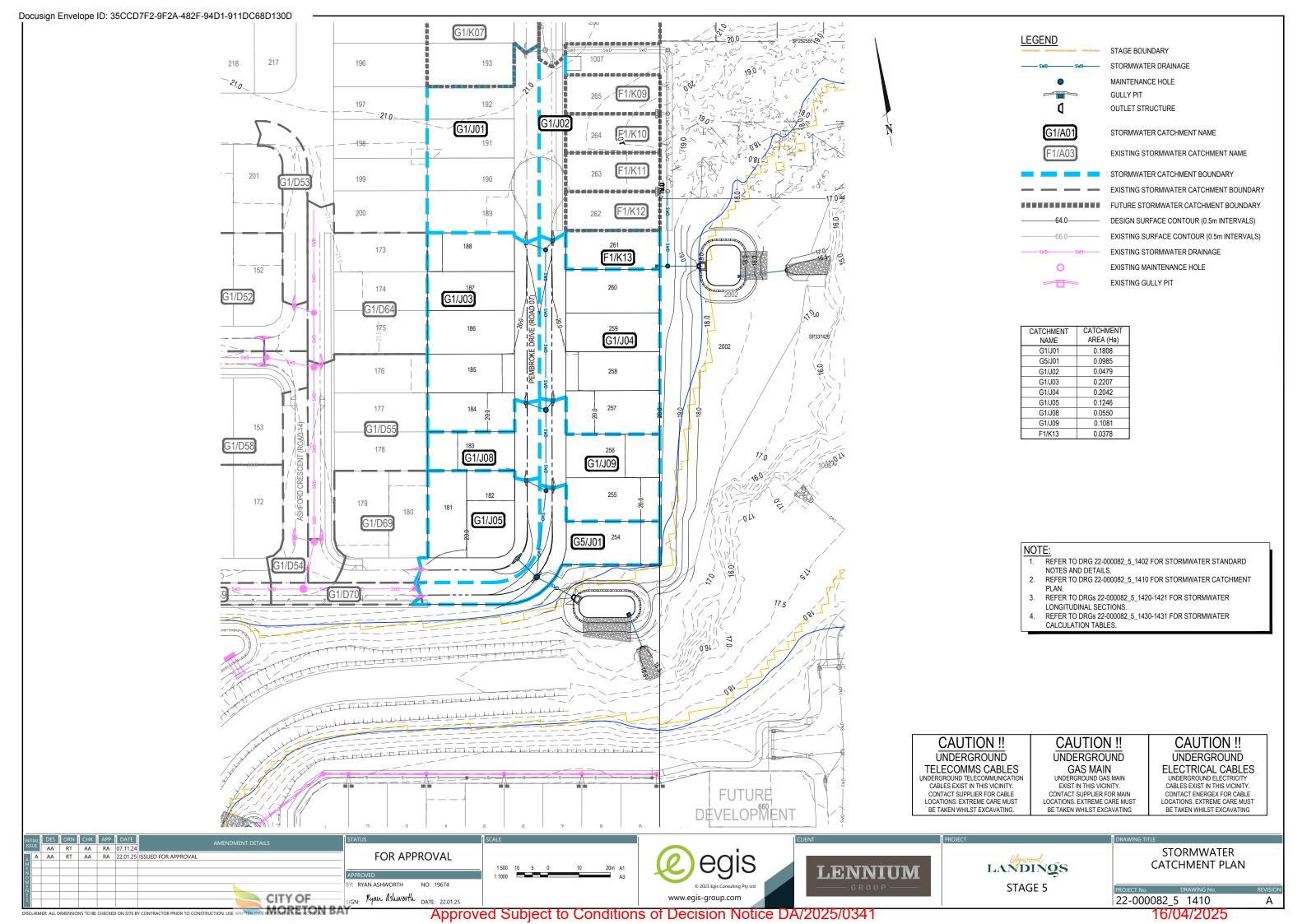
STORMWATER NOTES AND DETAILS

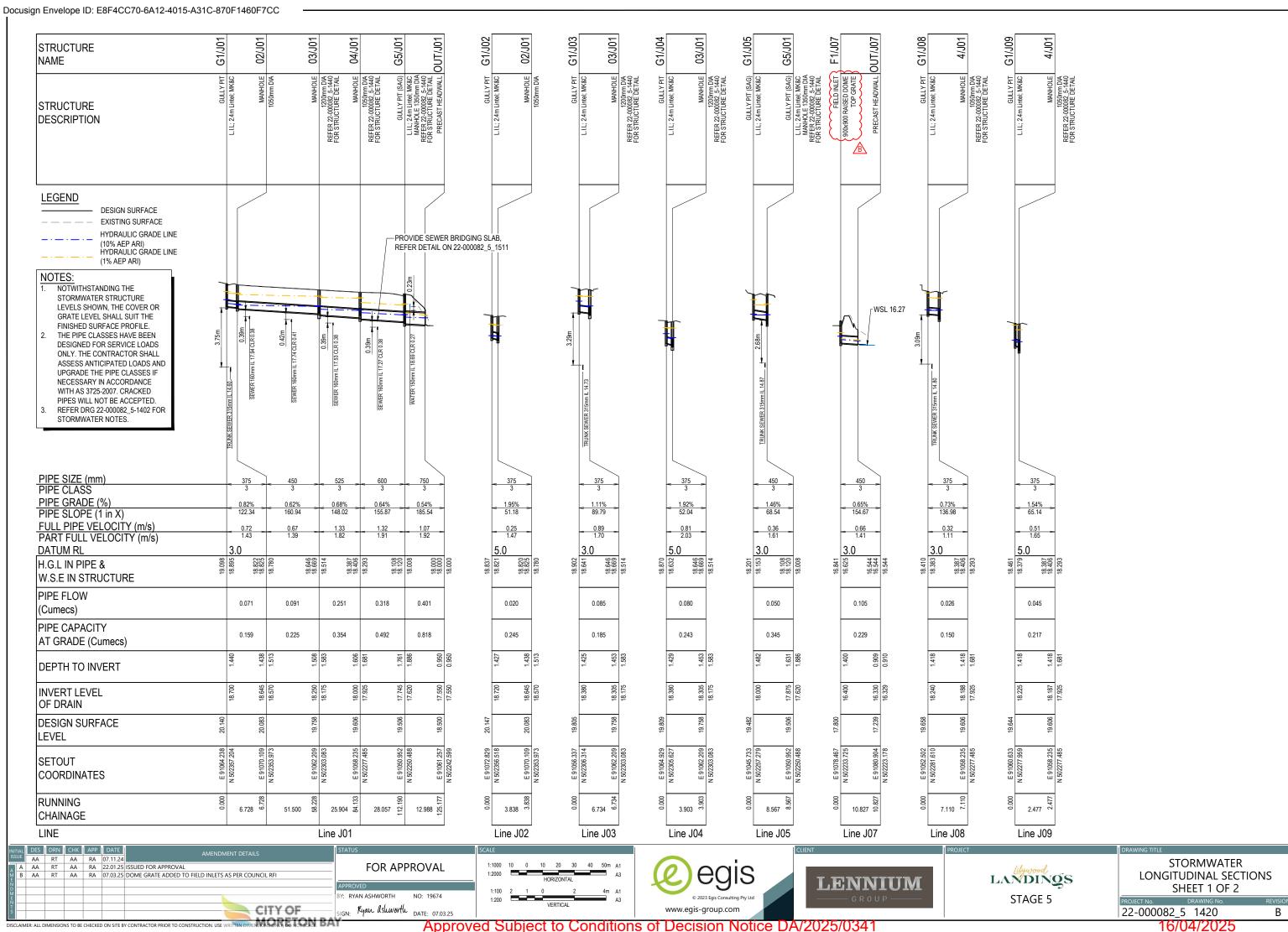
22-000082\_5 1402

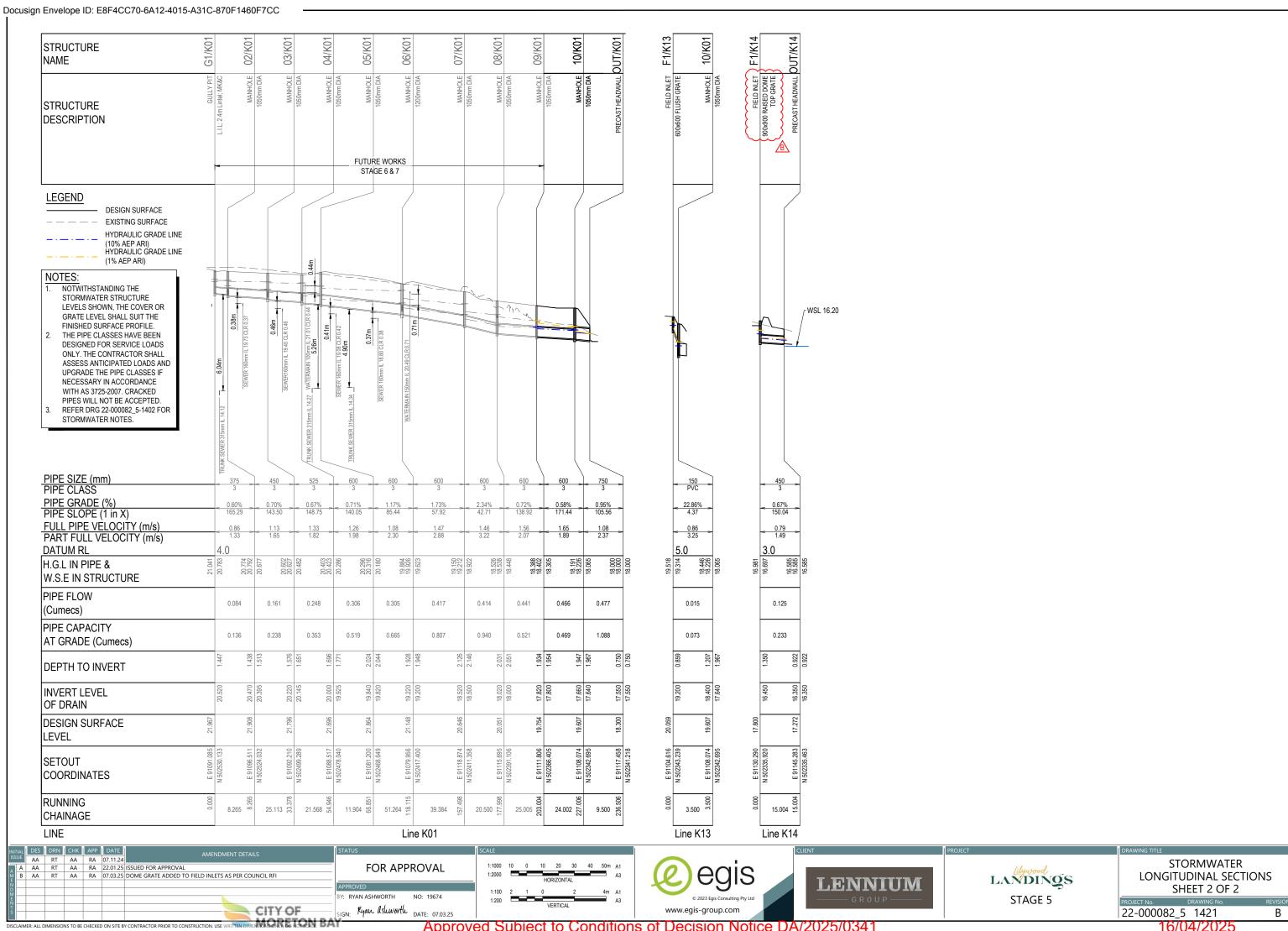
Approved Subject to Conditions of Decision Notice DA/2025/0341

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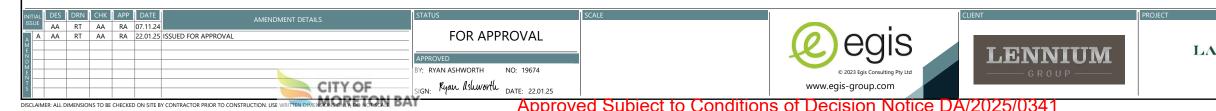
	LOCATION		ATCHMEN ROPERTIE		F	ULL AR	EA RUNC	OFF	Τ		PART	AREA	RUNOF	F						INLE	T DESIGN			DRAIN DESIGN										HEADLOSSES											PART	Γ FULL	Ι			DE	SIGN LE	VELS			
			Ci		tc	1	Α (	СА	Q	tc	Т	Δ	CA	Q		Qa						On	Qb		to	:		CA (	On	L	s		\/f	S/Do	Qg/Qo	Du/Do		Vf2/20	ı Kıı	hu	Kw	hw	Sf	hf	dn	Vn								$\neg \neg$	
		"	G	ОР	ıc					ic	'			T 4		ķα						Qg	QU		10		<u>'</u>	CA	Qp		3		VI	3/00	Qg/Q0	Du/D0		V12/29	, Ku	IIU	NW	liw	31	"	un	VII								+	
DESIGN ARI	STRUCTURE No.	FRACTION IMPERVIOUS	COEFFICIENT OF RUNOFF IMPERVIOUS AREA	COEFFICIENT OF RUNOFF PERVIOUS AREA	TIME OF CONCENTRATION	RAINFALL INTENSITY	IENT AREA	RVIOUS AI	SUB-CATCHMENT DISCHARGE	TIME OF CONCENTRATION	RAINFALLINTENSITY	PARTIAL CATCHMENT AREA	EQUIVALENT IMPERVIOUS AREA	SUB-CATCHMENT DISCHARGE	SSVBXB ON/SSXN IN INC.	IN PAC(INC.		FLOW DxV		ROAD XFALL AT INLET	INLETTYPE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	CRITICAL TIME OF CONC.	D LINE	NT ALL	TOTAL (C × A)	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE SIZE	FULL PIPE VELOCITY	SUBMERGENCE RATIO	GRATE FLOW RATIO	DIAMETER RATIO	CHART(S) USED	VELOCITY HEAD	U/S HEAD LOSS COEFFICIENT	U/S HEAD LOSS	W.S.E COEFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE	PIPE FRICTION HEAD LOSS	NORMAL DEPTH	NORMAL DEPTH VEL.	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L		PIPE D/S H.G.L	W.S.E		FREEBOARD	STRUCTURE No.
Yrs					min r	nm/h	ha	ha	L/s	min	mm/h			L/s	s L	/s m			%	%		L/s	L/s		mir	n mm	n/hr	ha L	L/s	m	%	mm	m/s					m	m			m	%	m	m	m/s	m	m			m	m r	n	m	
10%	G1/J01	85	0.9	0.64	10	168	0.181 0	).155	72	5	207	0.167	7 0.146	84	7	2 2.5	0.08	3 0.0	_		GULLY MK-S	71	1	G1/J03	_	_	_		_	_	0.82	375		1.54			G2	0.021	_	0.203		0.203		_	0.177	_	_		_	_		.098 20.		_	G1/J01
10%	02/J01	0	$\vdash$			_		$\perp$			_	1		_	_	$\perp$			_	3	MH1050		-		10.0	_					0.62	450	0.57		0	1	T6/T9	0.017	_	0.041		0.046			_	1.34						.825 20.		.257	02/J01
10%	03/J01	0						-			_	1		1			_		1	-	MH1200		-		10.6						0.68	525	1.16		0	1 1	T3/T6	0.068	_		2.27	0.155	0.49	0.164	0.327	1.77	_	_		_				.089	03/J01
10%	04/J01	0	100	0.04	10	100	0.000	004	20	-	207	0.004	1 000	100		0	-	,	1		MH1050	20	1	E4/107	10.9			_	_		0.64	600		1.19		1 1	T1/T3	0.065	_			0.113	_	_	_	_	_	_	_	_		.406 19.		_	04/J01
10%	G5/J01 OUT/J01	85	0.9	0.64	10	168	0.098 0	J.U84	39	5	207	0.091	1 0.08	46	3	59	0.0	5	1	1 3.44	SAG MK-S HW outlet	39	0	F1/J07	11.2	22 16	52 0	0.891 4	401 1	2.988 0	0.54	750	0.91	1.15	0.1	1	T6/T9	0.042	2.36	0.099	2.66	0.112	0.06	0.055	0.3/1	1.84	17.62	17.5	18.00	08		3.12 19. 18 18	_		G5/J01 OUT/J01
10%	G1/J02	85	0.9	0.64	10	168	0.048 0	0.044	19	5	207	0.044	1 0.039	22		20 1.5	31 0.05	4 0.0			GULLY MK-S	20	0	G1/J04	10	1	58 C	0.041	20 ;	3.838 1	1.95	375	0.40	1.04	4		G2	0.002	0.7	0.016		0.016	0.01	0.000	0.073	1.34	18.72	18.64	5 18.82	24 4	_	.837 20.	-		G1/J02
10%	G1/J02	85			_		0.046 0		88	5	207		1 0.039	_	_	_	6 0.09		_		GULLY MK-S	85	_	G1/J08	_	_	_				1.11		0.16			$\vdash$	G2	0.002	_	0.010		0.010			0.073	_	_			_				_	G1/J03
10%	G1/J04	85	_			_		_	82	5	207	_		_	_	32 3.0	_	_	_		GULLY MK-S	80	_	G1/J09		_		_			1.92	375	0.72		1		G2	0.03		0.238		0.238	-0.36	_	0.176	1.97	18.38	_		_	_		_	_	G1/J04
10%	G1/J05	85	_			_	0.125 0		50	5	207	_	_		_	50 5.0	0.03	_	0.83		SAG MK-S	50	_	G5/J01	_	_					1.46	450		1.11	1		G2	0.027		0.230		0.049	_	0.003	0.146		_	17.87		_				_	G1/J05
10%	F1/J07	0	0.0	0.01		.00			0	-	201	0			_	05	0.10	•	0.00		RSIP-9x9		0	LOST	1						0.65	450		1.48	1		G2	0.022	_	0.216			0.75		0.214	_	_	_							F1/J07
10%	OUT/J07						-	•					1	Ť		-	+		1	3	HW outlet		<u> </u>					-	-	-					-				-			<u> </u>					1					.544 17.		_	OUT/J07
10%	G1/J08	85	0.9	0.64	10	168	0.055 0	0.047	22	5	207	0.051	1 0.045	26	. 2	26 1.9	6 0.06	5 0.0	3 0.59	9 3	GULLY MK-S	26	0	G1/J05	10	) 16	68 0	0.047	26	7.11 0	0.73	375	0.24	1.07	1		G2	0.003	9.7	0.028		0.028	-0.06	0.009	0.106	1.02	18.24	18.18	8 18.38	83 18	3.387 1	3.41 19.	573 1.		G1/J08
10%	G1/J09	85	_		_	_	0.108 0	_	43	5	207		_	_		_	32 0.07	_	_		GULLY MK-S	45	_	G5/J01	_	) 16				_	1.54	375	-	1.22			G2	0.009	_	0.083		0.083	-0.32	_	0.116	_	_	_	_	_	_	.461 19.	559 1.	.097	G1/J09
10%	G1/K01	85	0.9	0.64	10	168	0.22 0	).189	88	5	207	0.204	1 0.178	102	2 8	38 3.2	4 0.10	1 0.0	6 0.5	3	GULLY MK-S	84	4	G1/K03	10	) 16	68 0	0.189	84 8	3.265 (	0.6	375	0.76	1.69	1		G2	0.03	8.69	0.258		0.258	0.11	0.023	0.213	1.3	20.52	20.4	7 20.78	83 20	0.774 21	.041 21.	882 0.	.842	G1/K01
10%	02/K01	0																	1	3	MH1050				10.2	23 16	67 0	0.358 1	161 2	5.113 (	0.7	450	1.01	1.26	0	1	T3/T6	0.052	1.85	0.097	2.21	0.115	0.3	0.131	0.271	1.61	20.39	5 20.2	2 20.67	77 20	0.602 20	.792 21.	908 1.	.116	02/K01
10%	03/K01	0																	1	0.28	MH1050				10.5	51 16	35 C	0.541 2	248 2	1.568 0	0.67	525	1.15	1.28	0	1	T3/T6	0.067	1.79	0.12	2.16	0.145	0.37	0.126	0.325	1.76	20.14	5 20	20.48	82 20	0.403 20	.627 21.	796 1	1.17	03/K01
10%	04/K01	0																	1	3	MH1200				10.7	73 16	64 0	0.671 3	306 1	1.904 0	0.71	600	1.08	1.23	0	1	T3/T6	0.06	1.96	0.117	2.3	0.137	-0.09	0.051	0.331	1.91	19.92	5 19.84	20.28	86 20	0.296 20	.423 21.	696 1.	.273	04/K01
10%	05/K01	0																	1	2.99	MH1050				10.8	34 16	64 0	0.671 3	305 5	1.264 1	1.17	600	1.08	1.23	0	1	T3/T6	0.059	1.96	0.116	2.29	0.136	0.58	0.388	0.285	2.3	19.82	19.2	2 20.1	18 19	9.884 20	.316 21.	864 1.	.548	05/K01
10%	06/K01	0																	1	3	MH1200				11.2	2 16	32 0	0.929 4	417 3	9.384 1	1.73	600	1.47	1.51	0	1	T9/T10	0.111	2.35	0.261	2.74	0.303	1.2	0.558	0.306	2.88	19.2	18.5	19.62	23 1	9.15 19	.926 21.	121 1.	.195	06/K01
10%	07/K01	0																	_	-1.2	MH1050				11.4	_					2.34	600		1.48		1	T10	0.109		0.228		0.29	_	_	0.279	_	_	_				.212 20.	_		07/K01
10%	08/K01	0																	1.19		MH1050				11.5						0.72	600	1.56		0	1	T1/T3	0.124	_	_		0.09	0.24	0.124	0.424	_	_	17.82	_	_		.538 20.	_	.523	08/K01
10%	09/K01	0																		16.67	MH1050				11.7						0.58	600	1.65	1.16		1	T1/T3	0.139		0.083		0.096	0.48				_	_							09/K01
10%	10/K01	0						_			_			-	_	_	_		1	16.67	MH1050	_			12	2 15	58 1	1.092 4	477	9.5 0	0.95	750	1.08	1.21	0	0.82	T9/T10	0.059	2.11	0.125	2./1	0.161	0.69	0.087	0.348	2.37	17.64	17.5	18.06	65		.226 19.		1.39	10/K01
10%	OUT/K01 G1/K02	0.5	00	0.64	10	168	0.198 0	0.169	79	5	207	0.402	3 0.16	92		79 3.1	11 0.09	7 0.0		3	HW outlet GULLY MK-S	78	1	G1/K04	10	10	S8 0	0.169	78 1	5.019 0	0.47	275	0.71	1.47	4		G1	0.025		0.178		0.178	0.14	0.000	0.00	1.15	20.50	20.4	5 20.79	04 00	_	18 18			OUT/K01 G1/K02
10%	G1/K02 G1/K03	85 85			_				26	5	_		0.053	_	_		4 0.0				GULLY MK-S	_	0	G1/K04	_	_			_		1.82	375 375	_	1.47			G2	0.025	_	0.176		0.176	_		_		20.52	_	_	_		.633 21.			G1/K02
10%	G1/K03 G1/K04	85	0.9	0.64				_	59	5	207	_		_	_	60 2.8	_	_	_		GULLY MK-S	60	_	G1/K06	_	_					3.65	375	0.27	1.39	1		G2 G2	0.004		0.036		0.036	-0.1	0.003	0.108	2.3	20.40	_	_	_		.728 21.			G1/K03
10%	G1/K04 G1/K05	85	0.9	0.64			_	_	12	5	207	_	_	_	_	12	0.00	_	0.7		SAG MK-S	12	_	G1/K06	_					_	3.52	450	0.07	1.01	1		G2 G2	0.013	_	0.003		0.003	-0.75	_	0.106	1.37	20.40.		_	_	_	.395 21.	_	_	G1/K04
10%	G1/K06	85					0.122 0		49	5	-		3 0.099	_		19	0.03	_		3.01	SAG MK-S	49	_	G1/K08	_						7.56	450		1.1	1		G2	0.005	_	0.047		0.047		0.046								.448 21.			G1/K06
10%	G1/K07	85	0.9	0.64		_	_	_	48	5	207			56		18 2.0		_	_		GULLY MK-S	48	_	G1/J01		_		_		_	1.32	375	0.44		1		G2	0.003	_	0.095		0.095	-0.39	0.026	0.070	2.29	_	19.42	_	_			_	-	G1/K07
10%	G1/K08	85	0.9	0.64	10	_			72	5	207		_	84	_	2 2.3	_	_	_		GULLY MK-S	71	_	G1/J02	_			0.155			4.1	375	0.65		1		G2	0.021	_	0.202		0.202	-0.27	0.008	0.032	2.51	_	_	_			.073 21.	-	_	G1/K08
10%	F1/K09	85	_		10				15	5	207		5 0.031	_	_	15	0.03		_	-16.67	FSIP-6x6	15	_	F1/K14	_	_		_			3.83	150		2.37	1		G2	0.038	_	0.205		0.205	_	_	0.046	_		_		_			_	_	F1/K09
10%	F1/K10	85	0.9	0.64					15	5	207	_		18	_	15	0.03	9	1		FSIP-6x6	15	_	F1/K14	_	_		0.032			0.52	150	0.86		1		G2	0.037	_	0.205		0.205	22.33	_	_	3.13	_	_	19.86			.069 20.	659 0	0.59	F1/K10
10%	F1/K11	85	0.9	0.64	10	168	0.038 0	0.032	15	5	207	0.035	0.031	18	1	15	0.03	9	1	-16.67	FSIP-6x6	15	0	F1/K14	10	16	68 0	0.032	15	3.652 2	21.9	150	0.86	2.36	1		G2	0.037	5.47	0.205		0.205	23.74	0.4	0.047	3.2	19.5	18.7	19.61	14 18	3.747 19	.819 20.	459 0	0.64	F1/K11
10%	F1/K12	85	0.9	0.64	10	168	0.038 0	0.032	15	5	207	0.035	0.031	18	1	15	0.03	9	1	-16.67	FSIP-6x6	15	0	F1/K14	10	) 16	68 0	0.032	15 3	3.653 18	8.07	150	0.86	2.36	1		G2	0.037	5.47	0.205		0.205	19.83	0.325	0.049	2.99	19.36	18.7	19.47	74 18	3.749 19	.678 20.	259 0	0.58	F1/K12
10%	F1/K13	85	0.9	0.64	10	168	0.038 0	0.032	15	5	207	0.035	0.031	18	1	15	0.03	9	1	-16.67	FSIP-6x6	15	0	LOST	10	16	68 0	0.032	15	3.5 22	2.86	150	0.86	2.36	1		G2	0.037	5.48	0.204		0.204	24.79	0.385	0.046	3.25	19.2	18.4	19.31	14 18	3.446 19	.518 20.	059 0	0.54	F1/K13
10%	F1/K14	0					0	0	0			0	0	0	12	25	0.12	1	0	3	RSIP-9x9	125	0	LOST	1	28	36	0 1	125 1	5.004 0	0.67	450	0.79	1.63	1		G2	0.032	9	0.284		0.284	0.75	0.099	0.235	1.49	16.45	16.3	16.69	97 16			_	_	F1/K14
10%	OUT/K14																		1	3	HW outlet																														16	.585 16.	918		OUT/K14

STORMWATER DRAINAGE CALCULATIONS - MINOR 10% AEP



			TCUME	ut i																																																			
	LOCATION	PRO	OPERTI	ES		FULL A	REA RU	INOFF			PART	T AREA	RUNOF	F						INLET	DESIGN							[	DRAIN DE	SIGN								HEADL	OSSES	3					PART	FULL				DE	SIGN LE	VELS			
		fi	Ci	Ср	tc	ı	Α	CA	Q	tc	- 1	Α	CA	Q	ı Q	а						Qg	Qb		tc	- 1	C/	Α (	Qp	_ S		,	Vf S	/Do Q	lg/Qo Dι	/Do		Vf2/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn									
DESIGN ARI	STRUCTURE No.	FRACTION IMPERVIOUS	COEFFICIENT OF RUNOFF IMPERVIOUS AREA	COEFFICIENT OF RUNOFF PERVIOUS AREA	TIME OF CONCENTRATION	RAINFALL INTENSITY	SUB-CATCHMENT AREA	EQUIVALENT IMPERVIOUS AREA	SUB-CATCHMENT DISCHARGE	TIME OF CONCENTRATION	RAINFALL INTENSITY	PARTIAL CATCHMENT AREA	EQUIVALENT IMPERVIOUS AREA	SUB-CATCHMENT DISCHARGE	ELOW IN K&C/INC BYPASS)	DIH	FLOW DEPTH	FLOW DxV	ROAD GRADE AT INLET	ROAD XFALL AT INLET	INLET TYPE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	CRITICAL TIME OF CONC.	RAINFALL INTENSITY		× 2	PIPE FLOW	PIPE GRADE	PIPE SIZE		FULL PIPE VELOCITY	BMERGENC	ATE FLC	AM H	CHART(S) USED	VELOCITY HEAD	U/S HEAD LOSS COEFFICIENT	U/S HEAD LOSS	W.S.E COEFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE	PIPE FRICTION HEAD LOSS	NORMAL DEPTH	NORMAL DEPTH VEL.	PIPE U/S I.L	PIPE D/S I.L	PIPEUSHGL	:	PIPE D/S H.G.L	W.S.E			STRUCTURE No.
Yrs					min	mm/h	ha	ha	L/s	min	_	/h ha	_	_	s L/	s m	m		%	%		L/s	L/s		min	mm/	hr ha	a L	L/s r	n %	mm	n n	n/s					m	m			m	%	m	m	m/s	m	m	m	1	m	m r	n m	1	
1%	G1/J01	85	1	0.77	10	294	0.181	0.174	142	5	370	0.167	7 0.16	4 168	8 27	3 5.43	3 0.13	2 0.13		3	GULLY MK-S	82	191	G1/J03		_	_	-		28 0.8		_		2.49	1	_	G2	0.028	_	0.138		0.138		0.015	0.191	-	_		_	-		_	055 0.42	-	G1/J01
1%	02/J01	0								1			_	4				4	_	3	MH1050			1	10.08	_	-	-		.5 0.6		_	_	-	0	_	T6/T9	0.031	_	0.061	2.31	0.072		0.098	0.239	_			_	_			083 0.59	_	02/J01
1%	03/J01	0							1	_	_		_		_				_	3	MH1200		_		10.69	_	_	-		904 0.6		_	0.96 2			_	T3/T6	0.047		0.072	1.7	0.081			0.29		_		_	_			758 0.42	_	03/J01
1%	04/J01	0								+-							+			3	MH1050			=	10.95				477 28.			_	_		0	_	T3/T6	0.145	1.73		1.87	0.272	0.6	0.169	0.476		17.92	_		_			606 0.39		04/J01
1%	G5/J01	85	1	0.77	10	294	0.098	0.095	78	5	3/0	0.09	1 0.089	9 92	2 35	4	0.1	<u> </u>		3.44	SAG MK-S	302	52	F1/J07	11.22	2 283	3 1.00	03 9	949 12.	988 0.5	4 750	)   2	2.15 1	1.75	0.31	1	T6/T9	0.235	2.02	0.476	2.39	0.561	1.1	0.087	0.75	2.15	17.62	2 17.5	5 18.2	94 18			399 0.54	_	35/J01
1%	OUT/J01 G1/J02	85	1	0.77	10	294	0.048	0.046	38	-	270	0.044	1 0.043	3 45	5 12	10 2 1	2 0.09	7 0.09		3	HW outlet GULLY MK-S	12	77	G1/J04	10	294	1 0.04	46	43 3.8	38 1.9	5 375	: 0	0.39 2	2.16	1		G2	0.008	6.21	0.049		0.049	0.06	0.002	0.106	1.67	18.72	2 18.64	15 19.4	02 1	_		062 0.5		UT/J01 G1/J02
1%	G1/J02 G1/J03	00		0.77	10	294	0.046	0.046		_	370			_	-	-	6 0.15			3	GULLY MK-S	63	_	G1/J04	10		-	-		34 1.1		-		_	1		G2	0.006	_	0.049			0.06	_	0.106	1.51	_			-	_	.403 19		-	31/J02 31/J03
1%	G1/J03	85		0.77	10	294	0.221	-	_	_		0.202	_	_	0 23		0.13		_	3	GULLY MK-S		205		_	_	_	-		03 1.9	_	_	0.29 2	-		_	G2		_	0.072			0.13			_					_		724 0.37	-	31/J03 31/J04
1%	G1/J04 G1/J05	85		0.77	10	294	0.204	0.197	_	5	370		_	_	_	_	0.13	_	_	3.34	SAG MK-S	182	_	G5/J01	10	294	_	_		67 1.4				2.51	1	_	G2	0.004	_	0.021			0.03	0.001	0.093	_	18	_	_	_	_		397 0.26		31/J04 31/J05
1%	F1/J07	0.0	- '	0.77	10	234	0.123	0.12	0	-	310	0.110	_	_	_	_	0.1	_	_	3	RSIP-9x9	157	_	LOST	10	506	_	_		827 0.6		_	_		1		G2	0.007	_	0.320		0.320		0.033	0.274	_	_	_		_	_		7.8 0.73	_	F1/J07
1%	OUT/J07	-					<u> </u>	-	1				Ť	Ť	- 10	"	0.1		_	3	HW outlet	107	-	2001	<u> </u>	- 500	,   "	<del></del>	107 10.	JE1 0.0	0 400		7.55	1.00			OZ.	0.00	7.70	0.007		0.001	0.00	0.07	0.214	1.00	10.4	10.0	0 10.0	70 10			082		UT/J07
1%	G1/J08	85	1	0.77	10	294	0.055	0.053	43	5	370	0.05	1 0.05	51	1 34	6 634	2 0.15	5 0.13			GULLY MK-S	136	210	G1/J05	10	294	1 0.05	153 1	136 7.	11 0.7	3 375	5 1	.23 3	3.35	1		G2	0.077	3.42	0.265		0.265	0.6	0.043	0.28	1.54	18.24	4 18.18	8 19.2	32 1		.497 19.		_	31/J08
1%	G1/J09	85		0.77	10	294	0.108	_		5	370			_	_	_	_			3	GULLY MK-S	140	-	G5/J01	10		_	-		77 1.5		_		_	1	_	G2	0.082	_	0.279		0.279		0.016	0.219	_	18.225		_		_		559 0.07	-	G1/J09
1%	G1/K01	85		0.77		294		-	173	5		0.204			_	3 5.24		_		3	GULLY MK-S	_		G1/K03	_	_	_			265 0.6		_	0.52 2		1	_	G2	0.014	_	0.068							_		_				882 0.43		G1/K01
1%	02/K01	0																	1	3	MH1050				10.23	_	_	-	116 25.	_		_		_	0	1	T3/T6	0.027	1.56	0.043	1.74	0.048	0.17	0.042	0.222	1.49	20.39				_	1.38 21.	908 0.52	28	02/K01
1%	03/K01	0																	1	0.28	MH1050				10.5	1 289	0.60	09 1	169 21.	568 0.6	7 525	5 0	0.78 2	2.19	0	1	T3/T6	0.031	1.5	0.047	1.69	0.053	0.15	0.033	0.256	1.61	20.14		_	44 21	1.211 21	.297 21.	796 0.49	99	03/K01
1%	04/K01	0																	1	3	MH1200				10.73	3 287	7 0.75	55 3	367 11.	904 0.7	1 600	) 1	1.3 2	2.18	0	1	T6/T9	0.086	1.88	0.162	2.11	0.182	0.36	0.043	0.373	1.99	19.92	5 19.8	4 21.0	49 21	1.006 21	.231 21.	696 0.46	66	04/K01
1%	05/K01	0																	1	2.99	MH1050				10.84	1 286	0.75	55 3	365 51.	264 1.1	7 600	) 1	1.29	2	0	1	T3/T6	0.085	1.77	0.15	1.92	0.163	0.35	0.181	0.317	2.4	19.82	2 19.2	2 20.8	56 20	0.675 21	.019 21.	864 0.84	45	05/K01
1%	06/K01	0																	1	3	MH1200				11.2	283	3 1.04	47 6	611 39.	384 1.7	3 600	) 2	2.16 2	2.54	0	1	T9	0.238	1.95	0.464	2.15	0.51	0.99	0.389	0.39	3.14	19.2	18.5	2 20.2	211 19	9.822 20	0.721 21.	121 0.4	4	06/K01
1%	07/K01	0																	1	-1.2	MH1050				11.43	3 281	1 1.04	47 6	604 20	).5 2.3	4 600	) 2	2.14	2.3	0	1	T10	0.233	1.9	0.444	2.14	0.5	0.97	0.199	0.35	3.53	18.5	18.0	2 19.3	78 1	9.18 19	.878 20.	953 1.07	75	07/K01
1%	08/K01	0																	1.19	16.67	MH1050				11.54	1 280	1.1	12 6	631 25.	005 0.7	2 600	) 2	2.23 1	1.99	0	1	T1/T3	0.254	0.48	0.121	0.52	0.133	1.05	0.264	0.6	2.23	18	17.8	2 19.0	58 18	3.794 19	.191 20.	061 0.87	37	08/K01
1%	09/K01	0																	_	16.67	MH1050				11.76		_	_		002 0.5		_			0	_	T1/T3	0.272	_	0.132	0.55		1.13		0.6	2.31	17.8	_		_			764 0.95	_	09/K01
1%	10/K01	0																		16.67	MH1050				12	276	3 1.22	29 6	666 9	.5 0.9	5 750	) 1	1.51 1	1.42	0 0	.82	T9/T10	0.116	2.11	0.245	2.71	0.314	1.53	0.076	0.425	2.58	17.64	17.5	5 18.1	46	18 1	3.46 19.		_	10/K01
1%	OUT/K01									_										3	HW outlet							$\perp$																-				—				18 18	-		UT/K01
1%	G1/K02	85		0.77	10	294	0.198	_	_	_		0.183	_	_	_	-	3 0.12		_	3	GULLY MK-S	62	94	G1/K04	_	_	-	-		019 0.4		_	0.56 2	-	1	_	G1		_	0.06				0.019		_			_	_			931 0.47	-	G1/K02
1%	G1/K03	85		0.77	10	294	0.065	_	_	_	_	0.06	_	_	1 16	_	1 0.12	_	_	3	GULLY MK-S	19	_		_	_	_	_		26 1.8	_		_		1	_	G2	0.002	_	0.008					0.073		_		_	_	_	1.3 21.	_	_	G1/K03
1%	G1/K04	85	1	0.77	10	294	0.148		_	5	_	0.137	_	_	8 21	_	1 0.13		_	3	GULLY MK-S	39	_		_		_	_		3.6		_	0.35 2	_	1	_	G2	0.006	_	0.032		0.032		0.001	0.086					_	-	-	736 0.41	_	G1/K04
1%	G1/K05 G1/K06	85 85		0.77	10	294	0.029	0.028	23	5	370			_	7 17 4 38		0.13		_	2.9 3.01	SAG MK-S SAG MK-S	55	116 236	G1/K06 G1/K08	10		_	_		396 3.5 316 7.5	_	_		2.12	-		G2 G2	0.006 0.044	_	0.04		0.04		0.002	0.098	_	20.3	_	_	_			643 0.39 644 0.21		G1/K05 G1/K06
1%	G1/K06 G1/K07	85	1	0.77	10	294 294	_	_	_	_		0.113	_	_	_		6 0.12				GULLY MK-S	_	_	G1/K00	_		_	_		_				3.48		_	G2	0.044	_	0.207			0.27				_			18 20	_	.006 21		_	G1/K07
1%	G1/K07	85	1	0.77	10	294	0.121	0.117	95 143	5	370	0.112			3 27 9 19	-	3 0.10			3	GULLY MK-S	145	-	G1/J01	10	_	_	-		65 4.3 52 4.1	_	_	_		1	_	G2	0.000	_	0.200		0.200		0.043	0.164	-	19.62		_		_	_	023 0.01	-	31/K07 31/K08
1%	F1/K09	85		0.77	10	294	0.181	0.175		5	370			_	_		0.04		_	-16.67	FSIP-6x6	16	_	F1/K14	10	_	_			52 4.		_	_	_	1	_	G2	0.099	_	0.216			22.12	0.037	0.173	_	19.87	_				_	859 0.65	-	1/K09
1%	F1/K10	85		0.77	10	294	0.038	0.037		_	370				_	_	0.04	_	_	-16.67	FSIP-6x6	16	_	F1/K14	_	_	_			55 20.5	_	_	_	2.44		_	G2	0.042	_	0.216			18.81		0.049			_		_			659 0.57		1/K10
1%	F1/K11	85		0.77	10	294	0.038	0.037	30	5	370	_	_	_	-	-	0.0		_	-16.67	FSIP-6x6	16	_	F1/K14	_	_	_	_		552 21.					1		G2	0.042		0.216		_	22.53	_	0.048	_	19.5	_					459 0.62	-	1/K11
1%	F1/K12	85		0.77	10	294	0.038	0.036	30	5	370						0.0	_		-16.67	FSIP-6x6	_	14	F1/K14	_	_				53 18.0				_	1		G2	0.042	_	0.216		0.216		0.647	0.051	3.04	19.36	_					259 0.56	_	1/K12
1%	F1/K13	85		0.77	10	294	0.038		_	_		0.035					0.0	_	_	-16.67	FSIP-6x6	22		LOST	10		_	_		.5 22.8		_		_	1	_	G2	0.079	_	0.3			25.06				_	_				_	059 0.42	-	1/K13
1%	F1/K14	0					0	0	0		1	0		_	18	_	0.15		_	3	RSIP-9x9	180	_	LOST	1	_	-	_		004 0.6		_	_	2.01	1		G2		_	0.456			0.68	_	0.298		_		_	_	_		7.8 0.59	-	1/K14
1%	OUT/K14																		_	3	HW outlet							$\neg$																							_		918	_	UT/K14

STORMWATER DRAINAGE CALCULATIONS - MAJOR 1% AEP (INCLUDING 20% ABOVE STANDARD 1% AEP INTENTIES FOR CLIMATE CHANGE)



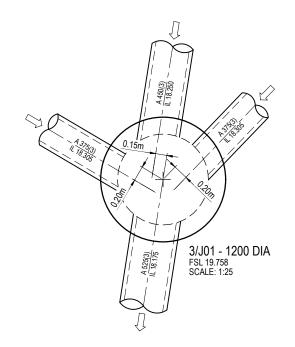


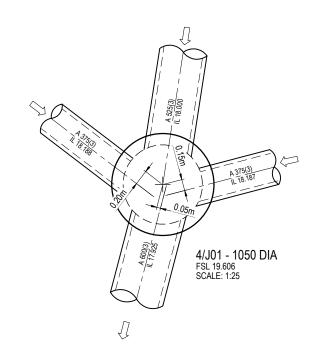
STORMWATER
CALCULATION TABLES
MAJOR
No. DRAWING No.

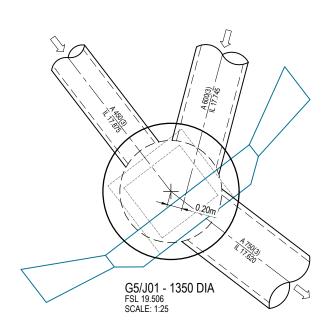
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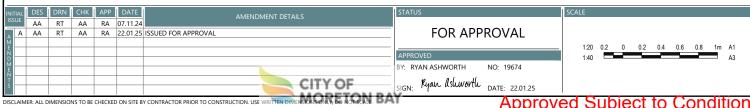
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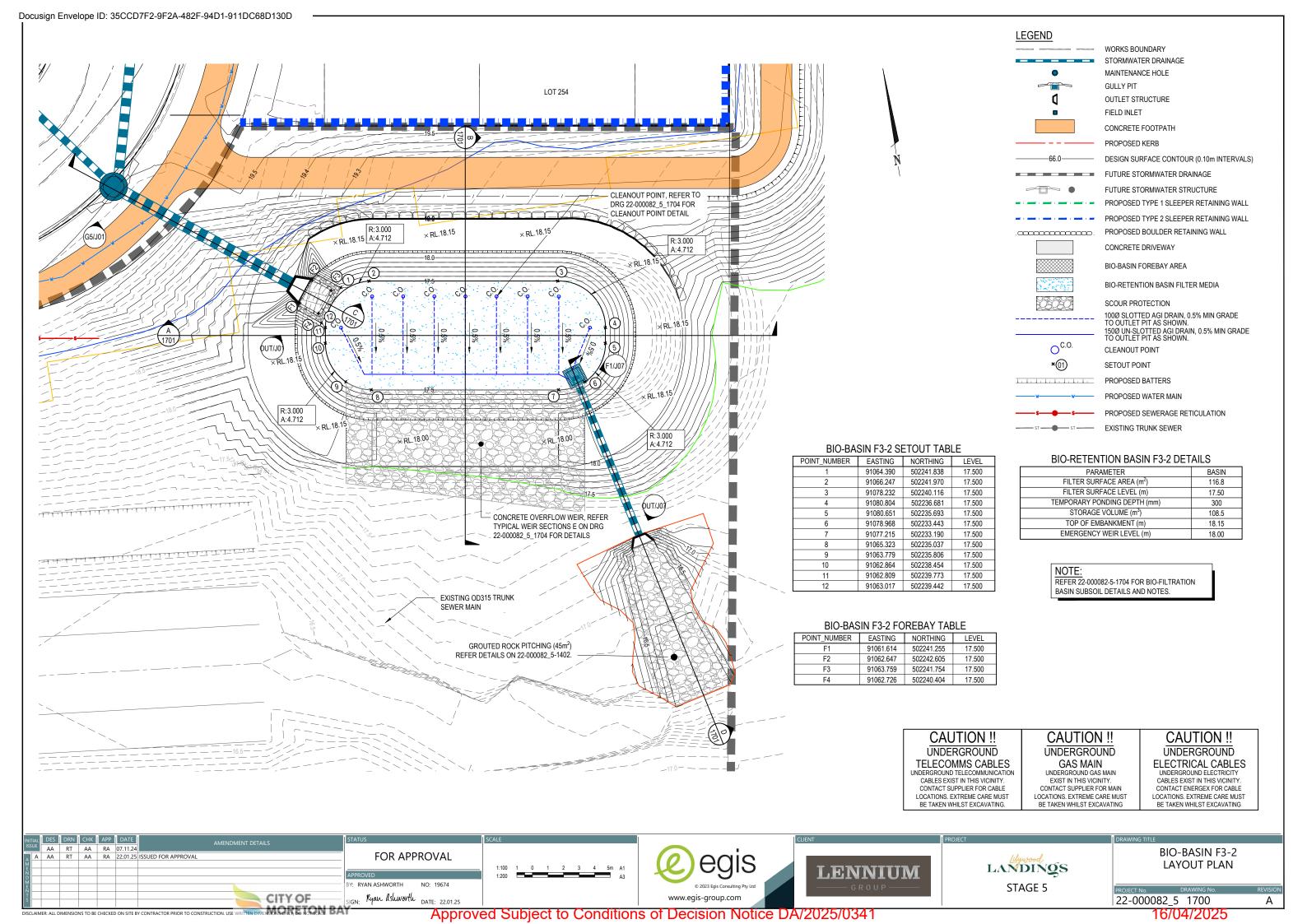


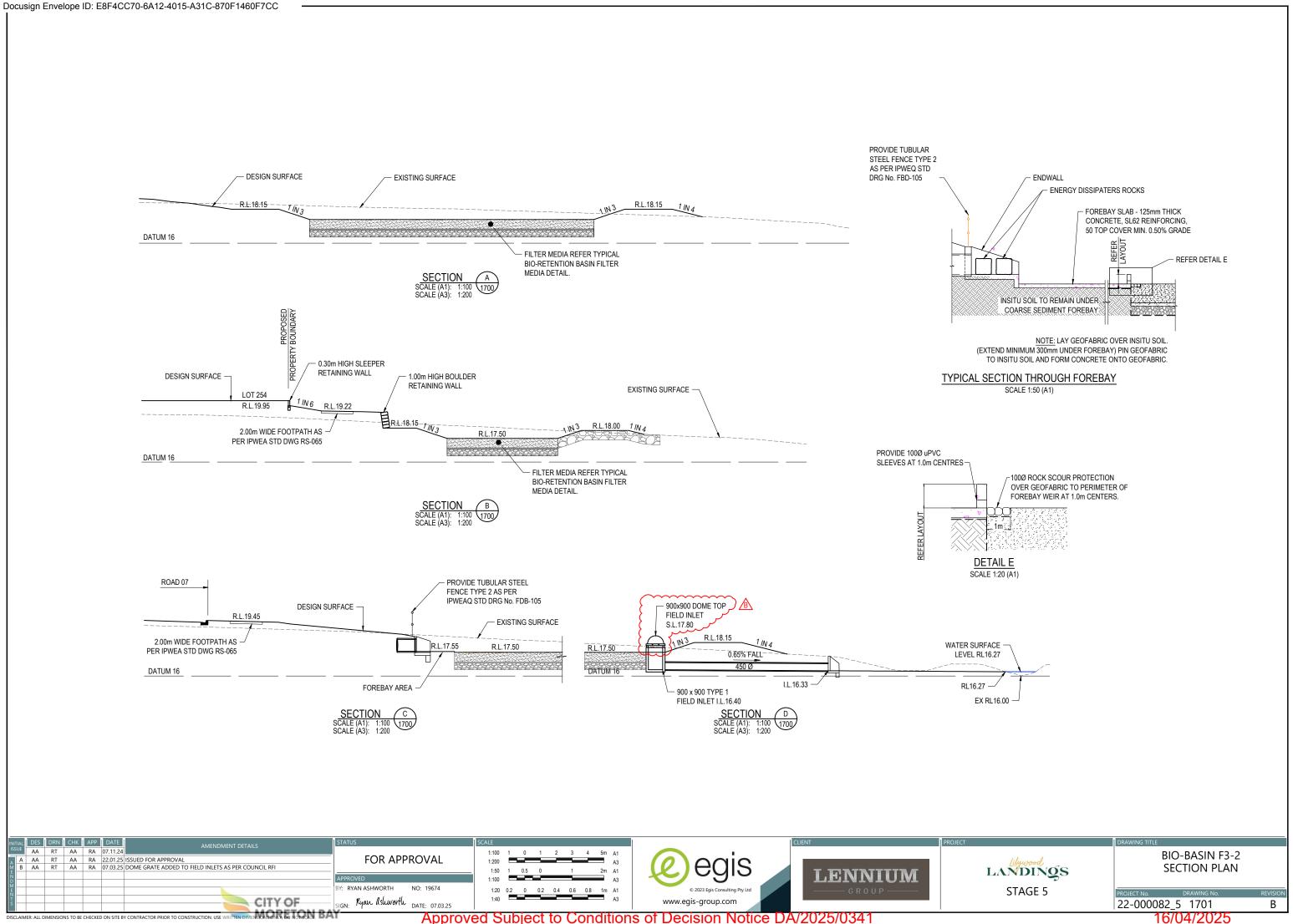


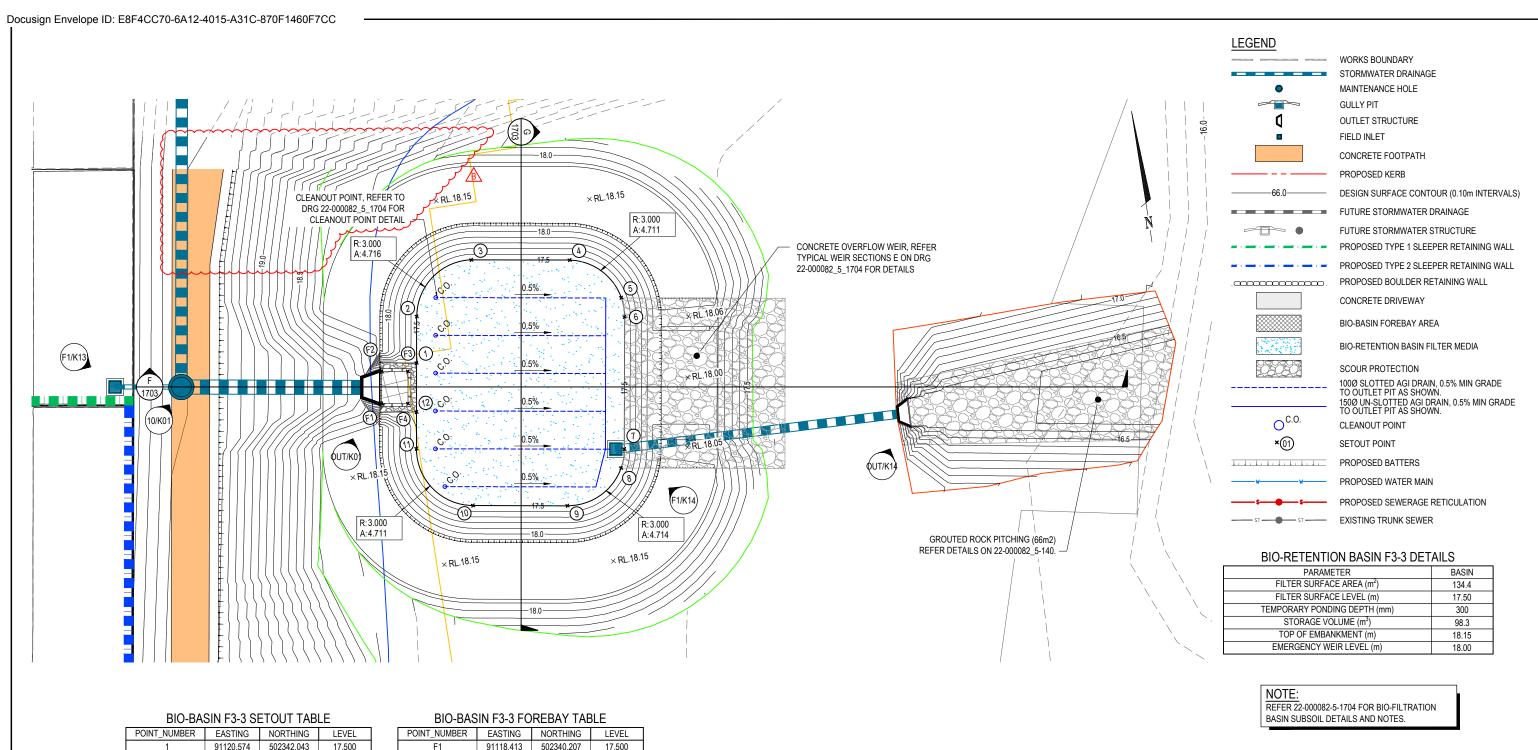
LANDINGS
STAGE 5

STORMWATER STRUCTURE DETAILS

PROJECT No. DRAWING No. REVISION 22-000082\_5 1440 A







POINT_NUMBER	EASTING	NORTHING	LEVEL
1	91120.574	502342.043	17.500
2	91120.957	502344.475	17.500
3	91124.269	502346.987	17.500
4	91129.419	502346.177	17.500
5	91131.806	502343.793	17.500
6	91131.823	502342.764	17.500
7	91130.735	502335.850	17.500
8	91130.410	502334.888	17.500
9	91127.303	502333.353	17.500
10	91122.365	502334.133	17.500
11	91119.869	502337.562	17.500
12	91120.170	502339.475	17.500

DES DRN CHK APP DATE

RA 22.01.25 ISSUED FOR APPROVAL

AA RA 07.03.25 FOOTPATH WIDENED AS PER COUNCIL RFI

ם וכי בו		1120/11 1/12	<i></i>
POINT_NUMBER	EASTING	NORTHING	LEVEL
F1	91118.413	502340.207	17.500
F2	91118.677	502341.886	17.500
F3	91120.060	502341.669	17.500
F4	91119.796	502339.989	17.500

FOR APPROVAL

CAUTION !!

TELECOMMS CABLES

UNDERGROUND TELECOMMUNICATION
CABLES EXIST IN THIS VICINITY.
CONTACT SUPPLIER FOR CABLE
LOCATIONS. EXTREME CARE MUST
BE TAKEN WHILST EXCAVATING.

# CAUTION !!

GAS MAIN
UNDERGROUND GAS MAIN
EXIST IN THIS VICINITY.
CONTACT SUPPLIER FOR MAIN
LOCATIONS. EXTREME CARE MUST
BE TAKEN WHILST EXCAVATING

# CAUTION !!

ELECTRICAL CABLES
UNDERGROUND ELECTRICITY
CABLES EXIST IN THIS VICINITY.
CONTACT ENERGEX FOR CABLE
LOCATIONS. EXTREME CARE MUST
BE TAKEN WHILST EXCAVATING



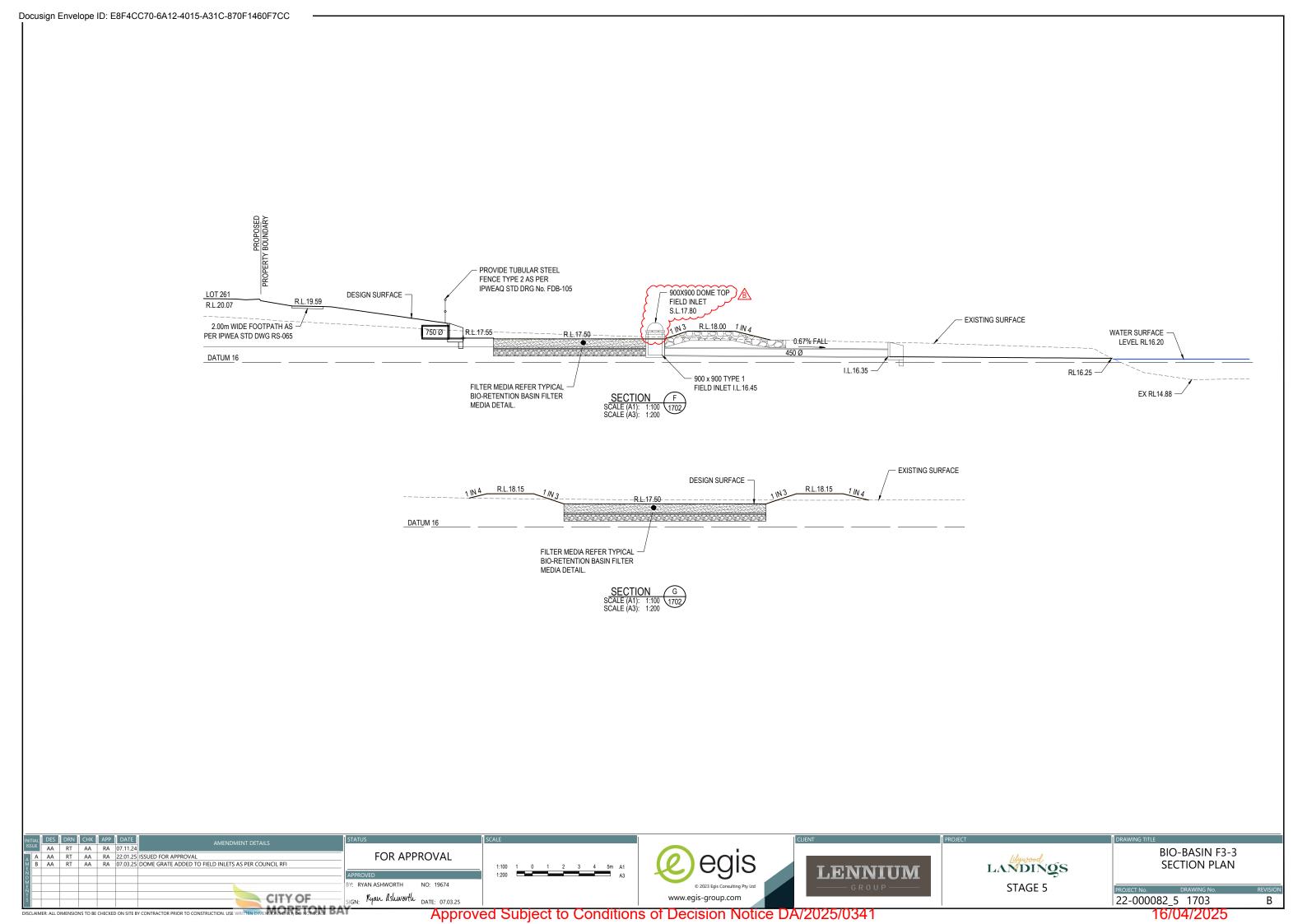




BIO-BASIN F3-3 LAYOUT PLAN

PROJECT No. DRAWING No. 22-000082\_5 1702

В



## **BIO RETENTION PARTICLE SIZE DISTRIBUTION AND** PROPERTIES GUIDE:

(SOURCE: BIOFILTRATION MEDIA GUIDELINES (VERSION 3.01), PREPARED BY THE FACILITY FOR ADVANCING WATER BIOFILTRATION (FAWB), JUNE 2009.)

## MATERIAL COMPOSITION RANGE GUIDE

<3%	(<0.05mm)
5-30%	(0.05-0.15mm)
10-30%	(0.15-0.25mm)
40-60%	(0.25-1.0mm)
7-10%	(1.0-2.0mm)
<3.0%	(2.0-3.4mm)
	5-30% 10-30% 40-60% 7-10%

IT IS ESSENTIAL THAT THE TOTAL CLAY AND SILT MIX IS LESS THAN 3% (w/w) TO REDUCE THE LIKELIHOOD OF STRUCTURAL COLLAPSE OF SUCH SOILS.

### SOIL SPECIFICATIONS

- TOTAL NITROGEN CONTENT <1000mg/kg
- ORTHOPHOSPHATE CONTENT <80mg/kg SOILS WITH TOTAL PHOSPHORUS CONCENTRATIONS > 100mg/kg SHOULD BE TESTED FOR POTENTIAL LEACHING. WHERE PLANTS WITH MODERATE PHOSPHORUS SENSITIVITY ARE TO BE USED, TOTAL PHOSPHORUS CONCENTRATIONS SHOULD BE <20mg/kg)
- ORGANIC MATTER CONTENT AT LEAST 3% (w/w). AN ORGANIC CONTENT LOWER THAN 3% IS LIKELY TO HAVE TOO LOW A WATER HOLDING CAPACITY TO SUPPORT HEALTHY PLANT GROWTH. IN ORDER TO COMPLY WITH BOTH THIS AND THE TOTAL NITROGEN AND ORTHOPHOSPHATE CONTENT REQUIREMENTS, A LOW NUTRIENT ORGANIC MATTER WILL BE REQUIRED.
- pH AS SPECIFIED FOR 'NATURAL SOILS AND SOIL BLENDS' 5.5-7.5 (pH 1:5 IN
- ELECTRICAL CONDUCTIVITY AS SPECIFIED FOR 'NATURAL SOILS AND SOIL BLENDS' <1.2 dS/m

### BIO RETENTION INSTALLATION STANDARD NOTES:

THE PLACEMENT OF DRAINAGE, TRANSITION AND FILTER MEDIA LAYERS MUST BE UNDERTAKEN CAREFULLY TO ENSURE CORRECT DEPTH, SLOPE AND COMPACTION:

DEPTH: FILTER MEDIA SHOULD BE INSTALLED AND COMPACTED IN TWO LIFTS FOR DEPTHS OVER 500mm.

SLOPE: THE TOP SURFACE OF THE DRAINAGE LAYER, TRANSITION LAYER AND FILTER MEDIA LAYER SHOULD BE FLAT. A SPREADER BAR SHOULD LEVEL THE SURFACE OF EACH LAYER.

COMPACTION: THE FILTER MEDIA MUST BE LIGHTLY COMPACTED DURING INSTALLATION TO PREVENT THE MIGRATION OF FINE PARTICLES. THIS CAN BE ACHIEVED WITH A SINGLE PASS OF A LIGHT ROLLER SUCH AS A DRUM LAWN ROLLER, A VIBRATING PLATE CAN ALSO BE USED TO COMPACT SMALL BIO RETENTION SYSTEMS OR 'POZITRACK' BOBCATS CAN BE USED FOR LARGE SYSTEMS. ENSURE ONLY ONE COMPACTING PASS IS MADE OVER THE MEDIA FOR LIGHT COMPACTION.

CONTRACTOR TO ENSURE BIOFILTRATION FILTER MEDIA MEETS THE CRITERIA OUTLINED IN THE MARCH 2008 VERSION OF THE GUIDELINE SPECIFICATION FOR SOIL MEDIA IN BIORETENTION SYSTEMS (VERSION 2.01), FACILITY FOR ADVANCING WATER BIOFILTRATION.

## BIO-RETENTION/DETENTION BASINS CONSTRUCTION SEQUENCE AND NOTES:

- ESTABLISH SEDIMENT AND EROSION CONTROL MEASURES IN CATCHMENT, INCLUDING SILT FENCES, SEEDING OF ALLOTMENTS, & FULL WIDTH VERGE TURFING.
- SURVEY BASIN LOCATION.
- INSTALL OVERFLOW PIT AND ENSURE PIT CREST IS AT DESIGN LEVEL. THIS PIT CREST WILL THEN BE USED AS A DATUM FROM WHICH OTHER LEVELS WITHIN THE BASIN WILL BE MEASURED. THE PIT REQUIRES HOLES FOR DRAINAGE PIPE CONNECTIONS WHICH CAN BE DRILLED AT THIS STAGE OR AFTER STEP 5 BELOW.
- EXCAVATE SURROUNDING LANDFORM TO DESIGN SUBSOIL LEVEL (ACHIEVING SURROUNDING LEVEL AT THIS STAGE REDUCES THE NEED FOR EARTHWORKS ADJACENT TO THE BASIN AFTER THEY HAVE BEEN
- EXCAVATE BASIN TO DESIGN DEPTH ENSURING BASE OF POD HAS MINIMUM 0.25% GRADE TOWARDS PIT. ENSURE BASE OF BASIN IS FREE FROM DEBRIS.

## SUPERINTENDENT INSPECTION AND SIGN OFF REQUIRED BEFORE PROCEEDING

- LINE SYSTEM WITH GEOFABRIC, AND EXTEND GEOFABRIC A MINIMUM OF 500 MM BEYOND TOP OF EXCAVATION. THESE ARE THE FLAPS REFERRED TO IN ITEM 13 BELOW.
- PLACE DRAINAGE LAYER (USING CLEAN 5-7mm AGGREGATE) TO DESIGN LEVEL
- NOTE THAT CORRECT FUNCTIONING OF THE DRAINAGE PIPES IS CRITICAL TO THE PERFORMANCE OF THE BIORETENTION SYSTEM. INSTALL DRAINAGE LAYER TO UNDERSIDE OF PIPE LEVEL AND PLACE DRAINAGE PIPES. ENSURE PIPES ARE LAID AT MIN 0.5% SLOPE WITH NO LOCALIZED DEPRESSIONS VERIFIED USING LEVEL OR STRING LINE. ALL JOINTS AND JUNCTIONS IN PIPES TO BE SEALED. CONNECT CLEAN OUT POINTS ENSURING TOP OF CLEAN OUT POINTS ARE NOT LESS THAN 50mm BELOW OVERFLOW PIT CREST.

- SUPERINTENDENT INSPECTION AND SIGN OFF REQUIRED BEFORE PROCEEDING.

  10. COVER DRAINAGE PIPES WITH DRAINAGE MEDIA, ENSURING DESIGN COVER.
- PLACE TRANSITION LAYER (USING ONLY PRESCRIBED DRAINAGE MATERIAL: 2.0mm SAND) TO DESIGN LEVEL (REFER DRAWINGS).

### SUPERINTENDENT INSPECTION AND SIGN OFF REQUIRED BEFORE PROCEEDING

- 12. PLACE FILTER MEDIA (USING ONLY PRESCRIBED MATERIAL: 0.7mm SAND) TO DESIGN LEVEL (REFER DRAWINGS) SPREAD MATERIAL USING EXCAVATOR BUCKET OR HAND TOOLS TO OBTAIN LIGHT AND EVEN COMPACTION OF FILTER MEDIA. DO NOT DRIVE OVER FILTER MEDIA WITH ANY VEHICLE AS EXCESSIVE COMPACTION CAN IMPEDE DRAINAGE THROUGH THE FILTER MEDIA. FILTER MEDIA SURFACE MUST BE LEVEL (HORIZONTAL) AND FREE FROM LOCAL DEPRESSIONS AND SET AT 100mm BELOW PIT CREST (EXCEPT FOREBAY AREA WHICH IS 200mm). AS SOON AS FILTER MEDIA IS PLACED IT MUST BE IMMEDIATELY COVERED WITH A GEOFABRIC COVER WHICH MUST REMAIN IN PLACE AT ALL TIMES EXCEPT WHEN ACCESS TO FILTER MEDIA IS REQUIRED. THIS PROTECTIVE COVER IS ONLY TO BE REMOVED BY LANDSCAPERS IMMEDIATELY PRIOR TO PLANTING.
- LAY EXCESS GEOFABRIC FLAPS FROM BASIN OUTWARD ACROSS ADJACENT SUBSOIL AND PLACE LANDSCAPING TOPSOIL ON TOP OF THIS GEOFABRIC AND AROUND BASIN AS PER DESIGNS.
- INSTALL PROTECTIVE PLYWOOD BARRIERS ENSURING THE CREST IS AT DESIGN LEVEL (MIN 100mm ABOVE ELEVATION OF PIT CREST) AND EXTENDS LATERALLY TO BASIN BATTERS BY 300mm, AND VERTICALLY INTO THE FILTER MEDIA BY 200mm. THIS PLYWOOD BARRIER NEEDS TO REMAIN IN PLACE FOR 12 MONTHS AND PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE MAJORITY FOR THE BASIN AREA. AFTER 12 MONTHS ONCE THE VEGETATION IS ESTABLISHED AND THE ALLOTMENT CONSTRUCTION IS COMPLETE THESE PLYWOOD BARRIERS WILL BE TAKEN OUT AND THE SYSTEM BROUGHT ONLINE.
- COVER INLET ZONE WITH PROTECTIVE GEOFABRIC ENSURING GEOFABRIC EXTENDS OVER CREST OF PROTECTIVE PLYWOOD BARRIER. COVER GEOFABRIC WITH MIN 50mm TOPSOIL SUITABLE FOR TURF GROWTH. SIMILAR TO THE PLYWOOD BARRIERS, THIS GEOFABRIC IS A TEMPORARY PROTECTIVE MEASURE TO PROTECT THE FILTER MEDIA IN THE INLET ZONE FROM BEING CLOGGED WITH CONSTRUCTION SEDIMENT, AND WILL BE
- FLUSH DRAINAGE PIPES TO REMOVE ANY INITIAL INGRESS OF MATERIAL AND TO ENSURE ADEQUATE DRAINAGE.

CITY OF

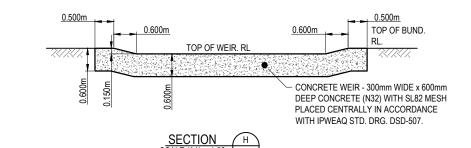
DISCLAIMER: ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE.

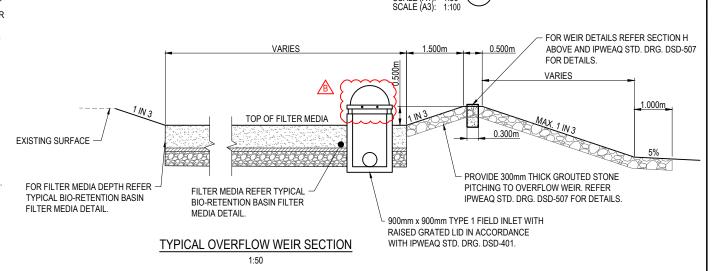
NOTE THAT BETWEEN STEPS 5 - 16 ABOVE THE BASINS WILL BE SUSCEPTIBLE TO STORM DAMAGE. THEREFORE ONCE COMMENCED PODS MUST BE COMPLETED AS SOON AS POSSIBLE TO MINIMISE THE RISK OF STORM

INSPECTION IS REQUIRED IF RAINFALL EVENT OCCURS BETWEEN CONSTRUCTION STEPS 5 - 16 ABOVE.

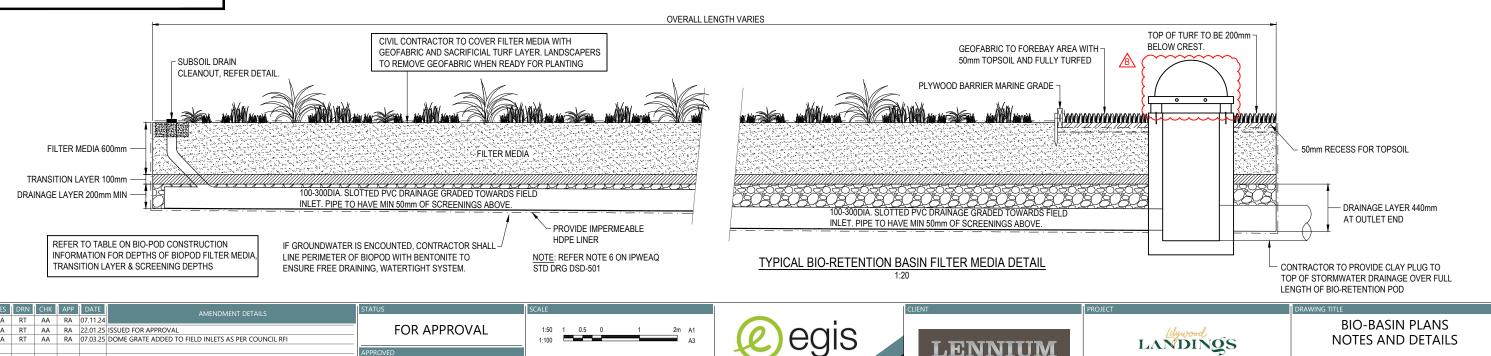
### C.I CAP EXTEND TO APPROX SLOTTED PVC CLEANOUT POINT - 100Ø 50mm ABOVE BASIN SURFACE DRAINAGE PIPE. CLEANOUTS AT HEAD OF WITH LOCKING PROVISION. SUBSOIL DRAIN AT MAX SPACING OF 30.0m BIO-RETENTION SURFACE LEVEL NON-SLOTTED PVC PIPE 350x350x150 CONCRETE SURROND SLOTTED PVC PIPE PROVIDED END CAP AT HEAD OF SUBSOIL DRAIN ALL CLEANOUT POINTS TO BE CONSTRUCTED IN ALL JOINTS TO BE SOLVENT. ACCORDANCE WITH IPWEAQ STD DRG WSUD-003 WELDED & SEALED WITH TAPE

## **CLEANOUT POINT DETAIL**





STAGE 5



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# **ATTACHMENT 4**

**Appeal Rights** 

# Chapter 6 Dispute resolution

# Part 1 Appeal rights

## 229 Appeals to tribunal or P&E Court

- (1) Schedule 1 states—
  - (a) matters that may be appealed to—
    - (i) either a tribunal or the P&E Court; or
    - (ii) only a tribunal; or
    - (iii) only the P&E Court; and
  - (b) the person—
    - (i) who may appeal a matter (the *appellant*); and
    - (ii) who is a respondent in an appeal of the matter; and
    - (iii) who is a co-respondent in an appeal of the matter; and
    - (iv) who may elect to be a co-respondent in an appeal of the matter.
- (2) An appellant may start an appeal within the appeal period.
- (3) The appeal period is—
  - (a) for an appeal by a building advisory agency—10 business days after a decision notice for the decision is given to the agency; or
  - (b) for an appeal against a deemed refusal—at any time after the deemed refusal happens; or
  - (c) for an appeal against a decision of the Minister, under chapter 7, part 4, to register premises or to renew the registration of premises—20 business days after a notice is published under section 269(3)(a) or (4); or

- (d) for an appeal against an infrastructure charges notice—20 business days after the infrastructure charges notice is given to the person; or
- (e) for an appeal about a deemed approval of a development application for which a decision notice has not been given—30 business days after the applicant gives the deemed approval notice to the assessment manager; or
- (f) for an appeal relating to the *Plumbing and Drainage Act* 2018—
  - (i) for an appeal against an enforcement notice given because of a belief mentioned in the *Plumbing and Drainage Act 2018*, section 143(2)(a)(i), (b) or (c)—5 business days after the day the notice is given; or
  - (ii) for an appeal against a decision of a local government or an inspector to give an action notice under the *Plumbing and Drainage Act 2018*—5 business days after the notice is given; or
  - (iii) for an appeal against a failure to make a decision about an application or other matter under the Plumbing and Drainage Act 2018—at anytime after the period within which the application or matter was required to be decided ends; or
  - (iv) otherwise—20 business days after the day the notice is given; or
- (g) for any other appeal—20 business days after a notice of the decision for the matter, including an enforcement notice, is given to the person.

Note-

See the P&E Court Act for the court's power to extend the appeal period.

(4) Each respondent and co-respondent for an appeal may be heard in the appeal.

- (5) If an appeal is only about a referral agency's response, the assessment manager may apply to the tribunal or P&E Court to withdraw from the appeal.
- (6) To remove any doubt, it is declared that an appeal against an infrastructure charges notice must not be about—
  - (a) the adopted charge itself; or
  - (b) for a decision about an offset or refund—
    - the establishment cost of trunk infrastructure identified in a LGIP; or
    - the cost of infrastructure decided using the method included in the local government's charges resolution.

## 230 Notice of appeal

- (1) An appellant starts an appeal by lodging, with the registrar of the tribunal or P&E Court, a notice of appeal that—
  - (a) is in the approved form; and
  - (b) succinctly states the grounds of the appeal.
- (2) The notice of appeal must be accompanied by the required fee.
- (3) The appellant or, for an appeal to a tribunal, the registrar, must, within the service period, give a copy of the notice of appeal to—
  - (a) the respondent for the appeal; and
  - (b) each co-respondent for the appeal; and
  - (c) for an appeal about a development application under schedule 1, section 1, table 1, item 1—each principal submitter for the application whose submission has not been withdrawn; and
  - (d) for an appeal about a change application under schedule 1, section 1, table 1, item 2—each principal submitter for the application whose submission has not been withdrawn; and

- (e) each person who may elect to be a co-respondent for the appeal other than an eligible submitter for a development application or change application the subject of the appeal; and
- (f) for an appeal to the P&E Court—the chief executive;
   and
- (g) for an appeal to a tribunal under another Act—any other person who the registrar considers appropriate.

## (4) The service period is-

- if a submitter or advice agency started the appeal in the P&E Court—2 business days after the appeal is started; or
- (b) otherwise—10 business days after the appeal is started.
- (5) A notice of appeal given to a person who may elect to be a co-respondent must state the effect of subsection (6).
- (6) A person elects to be a co-respondent to an appeal by filing a notice of election in the approved form—
  - (a) if a copy of the notice of appeal is given to the person—within 10 business days after the copy is given to the person; or
  - (b) otherwise—within 15 business days after the notice of appeal is lodged with the registrar of the tribunal or the P&E Court.
- (7) Despite any other Act or rules of court to the contrary, a copy of a notice of appeal may be given to the chief executive by emailing the copy to the chief executive at the email address stated on the department's website for this purpose.

## 231 Non-appealable decisions and matters

(1) Subject to this chapter, section 316(2), schedule 1 and the P&E Court Act, unless the Supreme Court decides a decision or other matter under this Act is affected by jurisdictional error, the decision or matter is non-appealable.

- (2) The Judicial Review Act 1991, part 5 applies to the decision or matter to the extent it is affected by jurisdictional error.
- (3) A person who, but for subsection (1) could have made an application under the *Judicial Review Act 1991* in relation to the decision or matter, may apply under part 4 of that Act for a statement of reasons in relation to the decision or matter.
- (4) In this section—

## decision includes-

- (a) conduct engaged in for the purpose of making a decision; and
- (b) other conduct that relates to the making of a decision;and
- (c) the making of a decision or the failure to make a decision; and
- (d) a purported decision; and
- (e) a deemed refusal.

**non-appealable**, for a decision or matter, means the decision or matter—

- (a) is final and conclusive; and
- (b) may not be challenged, appealed against, reviewed, quashed, set aside or called into question in any other way under the *Judicial Review Act 1991* or otherwise, whether by the Supreme Court, another court, any tribunal or another entity; and
- (c) is not subject to any declaratory, injunctive or other order of the Supreme Court, another court, any tribunal or another entity on any ground.

## 232 Rules of the P&E Court

- (1) A person who is appealing to the P&E Court must comply with the rules of the court that apply to the appeal.
- (2) However, the P&E Court may hear and decide an appeal even if the person has not complied with rules of the P&E Court.