

Your Ref:
 Our Ref: PEGo481-S1B-DC-03

CERTIFICATE OF SUPERVISION

Project: Proposed Residential Subdivision Development – Stage 1B
Project No.: PEGo481-S1B
Client/Developer: Glenvale Devine Road Development Pty Ltd
Site Address: Drayton-Wellcamp Road, Glenvale QLD4350
Site Description: Lot 10, 11, and 12 on SP300552
Local Authority: Toowoomba Regional Council

I, Bogdan Popa, under the *Professional Engineers Act 2002 (QLD) Reprint 2 01/07/08* being a Registered Professional Engineer Queensland (RPEQ), certify that the engineering drawings, specification and supporting calculations as listed in The Schedule have been prepared in accordance with:

1. Toowoomba Regional Council Planning Scheme Policies
2. Austroads Guide to Road Design
3. Austroads Guide to Pavement Technology
4. Manual for Uniform Traffic Control Devices (MUTCD)
5. Queensland Urban Drainage Manual (QUDM 2008)
6. Queensland State Planning Policy (July 2017)
7. WSAA Water Supply Code of Australia (2011)
8. WSAA Gravity Sewerage Code of Australia (2014)
9. AS3798-2007 (Earthworks for Commercial and Residential Development)
10. Best Practice Erosion and Sediment Control (IECA Guidelines)

Description of Project Components covered by this Certificate:

- Erosion and sediment control measures
- Bulk earthworks design
- Roadworks and drainage design
- Pavement design
- Signage and line marking
- Water and sewer reticulation/connection design

Basis for Certification

- Refer to standards listed above

Reference documents:

- Design drawing package PEGo481-S1B by Pinnacle Engineering Group as follows:

DRAWING NO.	DRAWING DESCRIPTION	REV.
PEG0481-S1B-000	COVER SHEET, LOCALITY LAYOUT AND DRAWING INDEX	D
PEG0481-S1B-001	GENERAL NOTES	D
PEG0481-S1B-002	ROAD ALIGNMENT LAYOUT	D
PEG0481-S1B-100	TYPICAL DETAILS	D
PEG0481-S1B-200	EROSION AND SEDIMENT CONTROL LAYOUT	D
PEG0481-S1B-201	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	D
PEG0481-S1B-202	BULK EARTHWORKS LAYOUT	D
PEG0481-S1B-203	BULK EARTHWORKS SECTIONS SHEET 1 OF 2	D
PEG0481-S1B-204	BULK EARTHWORKS SECTIONS SHEET 2 OF 2	D

PEG0481-S1B-300	ROADWORKS AND DRAINAGE LAYOUT	D
PEG0481-S1B-301	ROAD C, ROAD E AND ROAD H LONGITUDINAL SECTIONS	D
PEG0481-S1B-302	ROAD C CROSS SECTIONS	D
PEG0481-S1B-303	ROAD E AND ROAD H CROSS SECTIONS	D
PEG0481-S1B-304	INTERSECTION DETAILS	D
PEG0481-S1B-400	STORMWATER CATCHMENT LAYOUT	D
PEG0481-S1B-401	STORMWATER LONGITUDINAL SECTIONS SHEET 1 OF 2	D
PEG0481-S1B-402	STORMWATER LONGITUDINAL SECTIONS SHEET 2 OF 2	D
PEG0481-S1B-403	STORMWATER CALCULATION TABLES SHEET 1 OF 3	D
PEG0481-S1B-404	STORMWATER CALCULATION TABLES SHEET 2 OF 3	D
PEG0481-S1B-405	STORMWATER CALCULATION TABLES SHEET 3 OF 3	D
PEG0481-S1B-500	SEWER RETICULATION LAYOUT	D
PEG0481-S1B-501	SEWER LONGITUDINAL SECTIONS SHEET 1 OF 2	D
PEG0481-S1B-502	SEWER LONGITUDINAL SECTIONS SHEET 2 OF 2	D
PEG0481-S1B-600	WATER RETICULATION LAYOUT	D

Exclusions:

- Street lighting, electrical, telecommunications, landscaping and building hydraulics (plumbing and drainage), topographic survey, geotechnical engineering, vegetation clearing

Person signing on behalf of: Pinnacle Engineering Group Pty Ltd
 Full name: Bogdan Teodor Popa
 Position: Director/Principal Engineer
 RPEQ Number: 12349
 Business address: PO Box 517
 Paradise Point QLD 4216
 Contact: P: 0449 892 576 E: bogdan@pinnacleeng.com.au



Signature of RPEQ on behalf of Pinnacle

19/03/2019

Dated



Your Ref:
 Our Ref: PEGo481-S2A-DC-03

CERTIFICATE OF SUPERVISION

Project: Proposed Residential Subdivision Development – Stage 2A
Project No.: PEGo481-S2A
Client/Developer: Glenvale Devine Road Development Pty Ltd
Site Address: Drayton-Wellcamp Road, Glenvale QLD4350
Site Description: Lot 10, 11, and 12 on SP300552
Local Authority: Toowoomba Regional Council

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9. AS3798-2007 (Earthworks for Commercial and Residential Development)
10. Best Practice Erosion and Sediment Control (IECA Guidelines)

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- Bulk earthworks design
- Roadworks and drainage design
- Pavement design
- Signage and line marking
- Water and sewer reticulation/connection design

Basis for Certification

- Refer to standards listed above

Reference documents:

- Design drawing package PEGo481-S2A by Pinnacle Engineering Group as follows:

DRAWING NO.	DRAWING DESCRIPTION	REV.
PEG0481-S2A-000	COVER SHEET, LOCALITY LAYOUT AND DRAWING INDEX	D
PEG0481-S2A-001	GENERAL NOTES	D
PEG0481-S2A-002	ROAD ALIGNMENT LAYOUT	D
PEG0481-S2A-100	TYPICAL DETAILS SHEET 1 OF 2	D
PEG0481-S2A-101	TYPICAL DETAILS SHEET 2 OF 2	D
PEG0481-S2A-200	EROSION AND SEDIMENT CONTROL LAYOUT	D
PEG0481-S2A-201	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	D
PEG0481-S2A-202	BULK EARTHWORKS LAYOUT	D
PEG0481-S2A-203	BULK EARTHWORKS SECTIONS	D

PEG0481-S2A-300	ROADWORKS AND DRAINAGE LAYOUT	D
PEG0481-S2A-301	ROAD E AND ROAD F LONGITUDINAL SECTIONS	D
PEG0481-S2A-302	ROAD E AND ROAD F CROSS SECTIONS	D
PEG0481-S2A-303	INTERSECTION DETAILS	D
PEG0481-S2A-400	STORMWATER CATCHMENT LAYOUT	D
PEG0481-S2A-401	STORMWATER LONGITUDINAL SECTIONS	D
PEG0481-S2A-402	STORMWATER CALCULATION TABLES SHEET 1 OF 2	D
PEG0481-S2A-403	STORMWATER CALCULATION TABLES SHEET 2 OF 2	D
PEG0481-S2A-500	SEWER RETICULATION LAYOUT	D
PEG0481-S2A-501	SEWER LONGITUDINAL SECTIONS	D
PEG0481-S2A-600	WATER RETICULATION LAYOUT	D

Exclusions:

- Street lighting, electrical, telecommunications, landscaping and building hydraulics (plumbing and drainage), topographic survey, geotechnical engineering, vegetation clearing

Person signing on behalf of: Pinnacle Engineering Group Pty Ltd
Full name: Bogdan Teodor Popa
Position: Director/Principal Engineer
RPEQ Number: 12349
Business address: PO Box 517
Paradise Point QLD 4216
Contact: P: 0449 892 576 E: bogdan@pinnacleeng.com.au



Signature of RPEQ on behalf of Pinnacle

19/03/2019

Dated



Your Ref:
 Our Ref: PEGo481-S1A-DC-03

CERTIFICATE OF SUPERVISION

Project: Proposed Residential Subdivision Development – Stage 1A
Project No.: PEGo481-S1A
Client/Developer: Glenvale Devine Road Development Pty Ltd
Site Address: Drayton-Wellcamp Road, Glenvale QLD4350
Site Description: Lot 10, 11, 12 on SP300552 and Lot 13 on RP839447
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PEG0481-S1A-000	COVER SHEET, LOCALITY LAYOUT AND DRAWING INDEX	D
PEG0481-S1A-001	GENERAL NOTES	D
PEG0481-S1A-002	ROAD ALIGNMENT LAYOUT SHEET 1 OF 2	D
PEG0481-S1A-003	ROAD ALIGNMENT LAYOUT SHEET 2 OF 2	D
PEG0481-S1A-100	TYPICAL DETAILS SHEET 1 OF 3	D
PEG0481-S1A-101	TYPICAL DETAILS SHEET 2 OF 3	D
PEG0481-S1A-102	TYPICAL DETAILS SHEET 3 OF 3	D
PEG0481-S1A-200	EROSION AND SEDIMENT CONTROL LAYOUT SHEET 1 OF 3	D
PEG0481-S1A-201	EROSION AND SEDIMENT CONTROL LAYOUT SHEET 2 OF 3	D

PEG0481-S1A-202	EROSION AND SEDIMENT CONTROL LAYOUT SHEET 3 OF 3	D
PEG0481-S1A-203	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	D
PEG0481-S1A-204	BULK EARTHWORKS LAYOUT SHEET 1 OF 3	D
PEG0481-S1A-205	BULK EARTHWORKS LAYOUT SHEET 2 OF 3	E
PEG0481-S1A-206	BULK EARTHWORKS LAYOUT SHEET 3 OF 3	E
PEG0481-S1A-207	BULK EARTHWORKS SECTIONS SHEET 1 OF 2	D
PEG0481-S1A-208	BULK EARTHWORKS SECTIONS SHEET 2 OF 2	D
PEG0481-S1A-300	ROADWORKS AND DRAINAGE LAYOUT SHEET 1 OF 3	D
PEG0481-S1A-301	ROADWORKS AND DRAINAGE LAYOUT SHEET 2 OF 3	D
PEG0481-S1A-302	ROADWORKS AND DRAINAGE LAYOUT SHEET 3 OF 3	D
PEG0481-S1A-303	ROAD A AND ROAD B LONGITUDINAL SECTIONS	D
PEG0481-S1A-304	ROAD C, ROAD D AND ROAD N LONGITUDINAL SECTIONS	D
PEG0481-S1A-305	DRAYTON WELLCAMP ROAD LONGITUDINAL SECTION	D
PEG0481-S1A-306	ROAD A CROSS SECTIONS SHEET 1 OF 2	D
PEG0481-S1A-307	ROAD A CROSS SECTIONS SHEET 2 OF 2	D
PEG0481-S1A-308	ROAD B AND ROAD D CROSS SECTIONS	D
PEG0481-S1A-309	ROAD C AND ROAD F CROSS SECTIONS	D
PEG0481-S1A-310	DRAYTON WELLCAMP ROAD CROSS SECTIONS SHEET 1 OF 2	D
PEG0481-S1A-311	DRAYTON WELLCAMP ROAD CROSS SECTIONS SHEET 2 OF 2	D
PEG0481-S1A-312	INTERSECTION DETAILS SHEET 1 OF 2	D
PEG0481-S1A-313	INTERSECTION DETAILS SHEET 2 OF 2	D
PEG0481-S1A-314	DRAYTON WELLCAMP ROAD WIDENING LAYOUT	D
PEG0481-S1A-315	DRAYTON WELLCAMP ROAD ALIGNMENT TABLES	D
PEG0481-S1A-316	DRAYTON WELLCAMP ROAD LINEMARKING LAYOUT	D
PEG0481-S1A-400	STORMWATER CATCHMENT LAYOUT	D
PEG0481-S1A-401	STORMWATER LONGITUDINAL SECTIONS SHEET 1 OF 3	D
PEG0481-S1A-402	STORMWATER LONGITUDINAL SECTIONS SHEET 2 OF 3	D
PEG0481-S1A-403	STORMWATER LONGITUDINAL SECTIONS SHEET 3 OF 3	D
PEG0481-S1A-404	STORMWATER CALCULATION TABLES SHEET 1 OF 4	D
PEG0481-S1A-405	STORMWATER CALCULATION TABLES SHEET 2 OF 4	D
PEG0481-S1A-406	STORMWATER CALCULATION TABLES SHEET 3 OF 4	D
PEG0481-S1A-407	STORMWATER CALCULATION TABLES SHEET 4 OF 4	D
PEG0481-S1A-408	STORMWATER STRUCTURE DETAILS	D
PEG0481-S1A-409	STORMWATER BASIN LAYOUT AND DETAILS	D
PEG0481-S1A-410	ROAD A CULVERT LAYOUT AND SECTION	D
PEG0481-S1A-411	ROAD N CULVERT LAYOUT AND SECTION	D
PEG0481-S1A-412	DRAINAGE CHANNEL ALIGNMENT LAYOUT	E
PEG0481-S1A-413	DRAINAGE CHANNEL CROSS SECTIONS SHEET 1 OF 2	E
PEG0481-S1A-414	DRAINAGE CHANNEL CROSS SECTIONS SHEET 2 OF 2	E
PEG0481-S1A-415	DRAINAGE ROCK INVERT ALIGNMENT LAYOUT	E
PEG0481-S1A-416	DRAINAGE CHANNEL LONGITUDINAL SECTION	E
PEG0481-S1A-500	SEWER RETICULATION LAYOUT SHEET 1 OF 2	D
PEG0481-S1A-501	SEWER RETICULATION LAYOUT SHEET 2 OF 2	D
PEG0481-S1A-502	SEWER LONGITUDINAL SECTIONS SHEET 1 OF 3	D
PEG0481-S1A-503	SEWER LONGITUDINAL SECTIONS SHEET 2 OF 3	D
PEG0481-S1A-504	SEWER LONGITUDINAL SECTIONS SHEET 3 OF 3	D
PEG0481-S1A-600	WATER RETICULATION LAYOUT SHEET 1 OF 2	D

PEG0481-S1A-601	WATER RETICULATION LAYOUT SHEET 2 OF 2	D
PEG0481-S1A-602	EXTERNAL WATER RETICULATION LAYOUT SHEET 1 OF 3	D
PEG0481-S1A-603	EXTERNAL WATER RETICULATION LAYOUT SHEET 2 OF 3	D
PEG0481-S1A-604	EXTERNAL WATER RETICULATION LAYOUT SHEET 3 OF 3	D
PEG0481-S1A-605	EXTERNAL WATER MAIN MASTER LAYOUT	A

Exclusions:

- Street lighting, electrical, telecommunications, landscaping and building hydraulics (plumbing and drainage), topographic survey, geotechnical engineering, vegetation clearing

Person signing on behalf of: Pinnacle Engineering Group Pty Ltd
Full name: Bogdan Teodor Popa
Position: Director/Principal Engineer
RPEQ Number: 12349
Business address: PO Box 517
Paradise Point QLD 4216
Contact: P: 0449 892 576 E: bogdan@pinnacleeng.com.au



Signature of RPEQ on behalf of Pinnacle

19/03/2019

Dated

