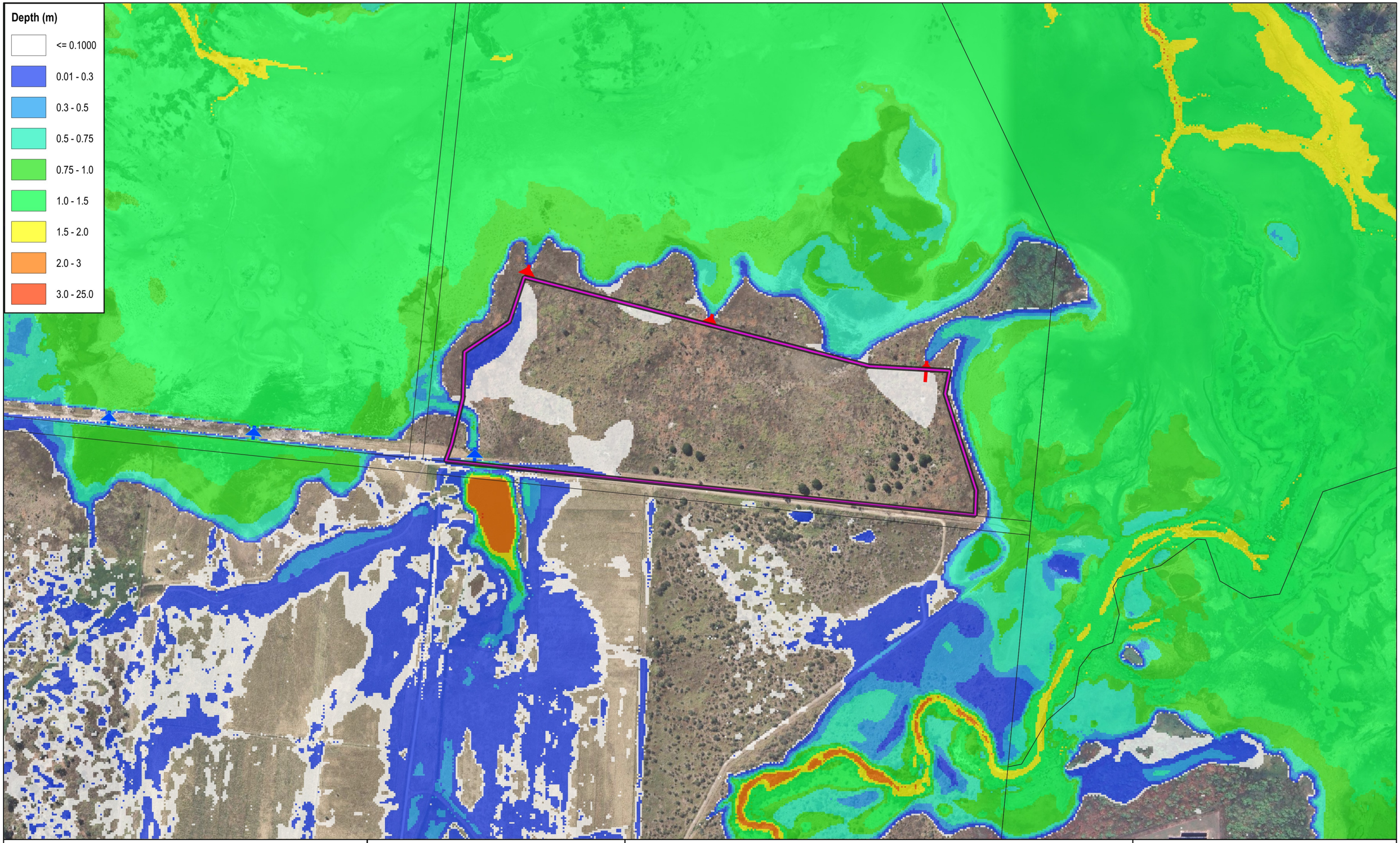
APPENDIX D

Flood Depth Results



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

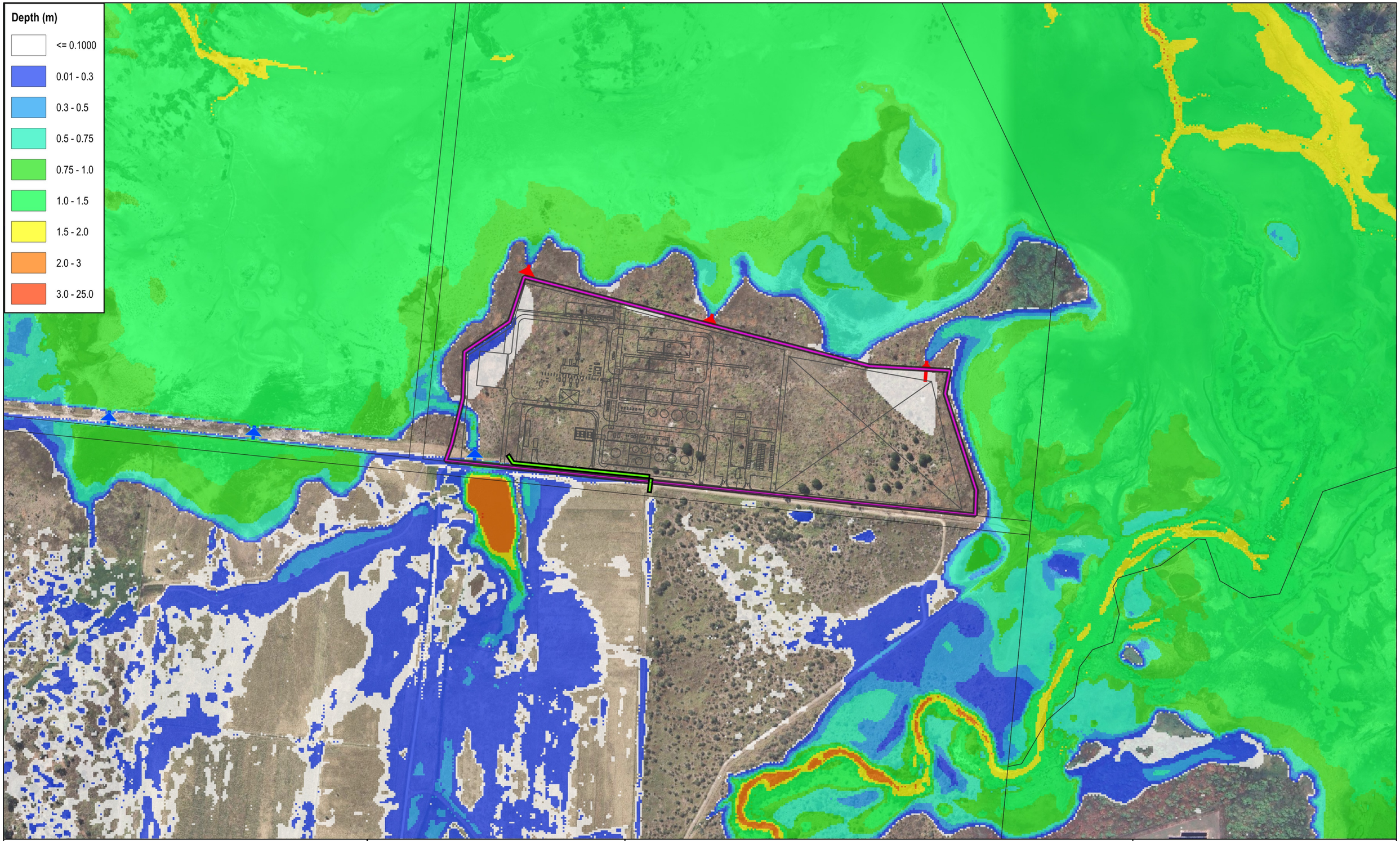
Legend

- Land Parcels
- Development Extent
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)

JET ZERO - PROJECT ULYSSES STUART, TOWNSVILLE

1% AEP Maximum Baseline Flood Depth

Prepared By: IG Reviewed by: AW	Date: 19/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map D01



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

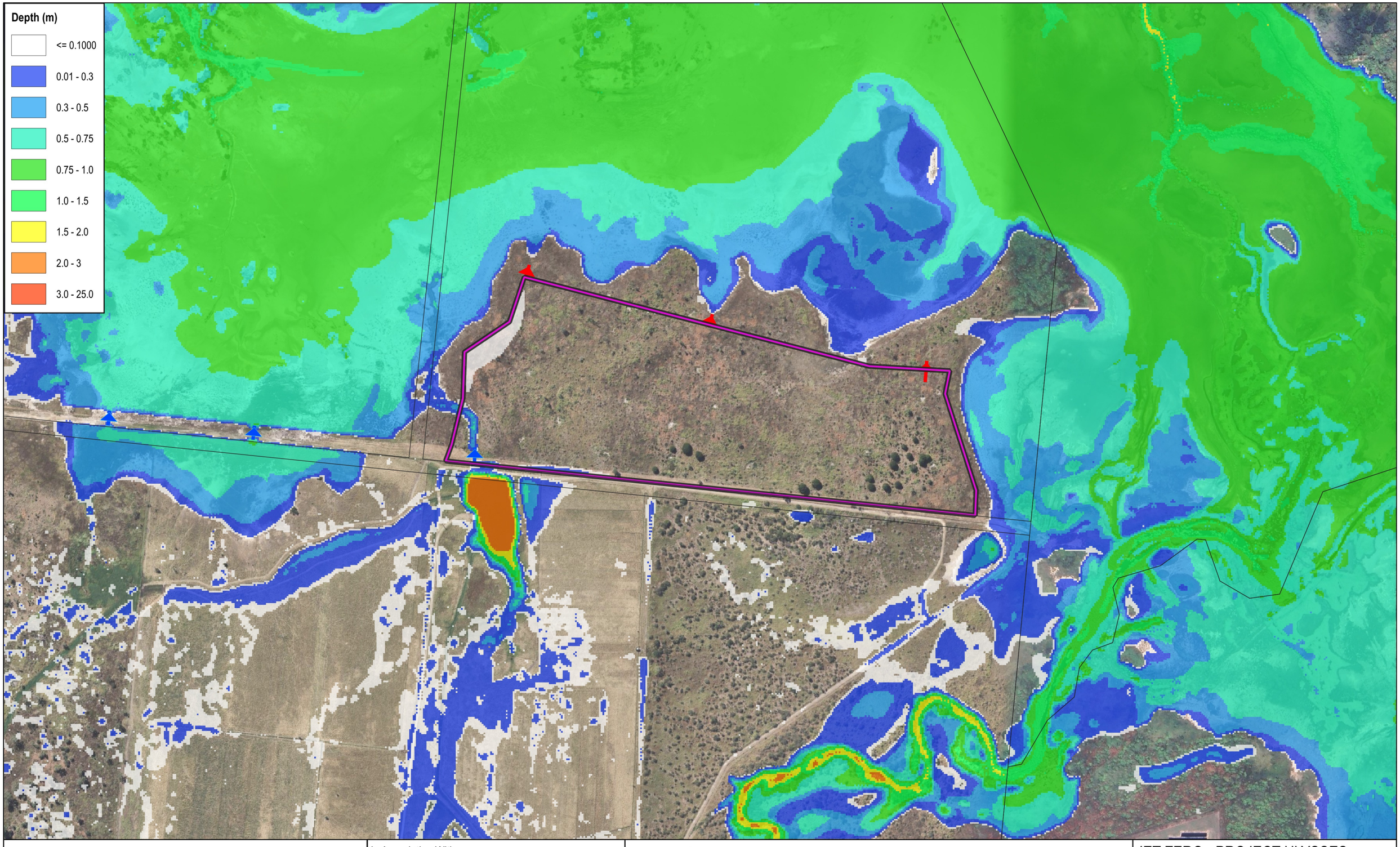
Legend

- Land Parcels
- Development Extent
- Proposed Site Layout
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)
- Proposed Minor Levee

JET ZERO - PROJECT ULYSSES
STUART, TOWNSVILLE

1% AEP Maximum Developed Flood Depth

Prepared By: IG Reviewed by: AW	Date: **19/03/2025** Revision: **A** NCE Ref: **MJ2601**	Size **A3**	Map **D02**



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

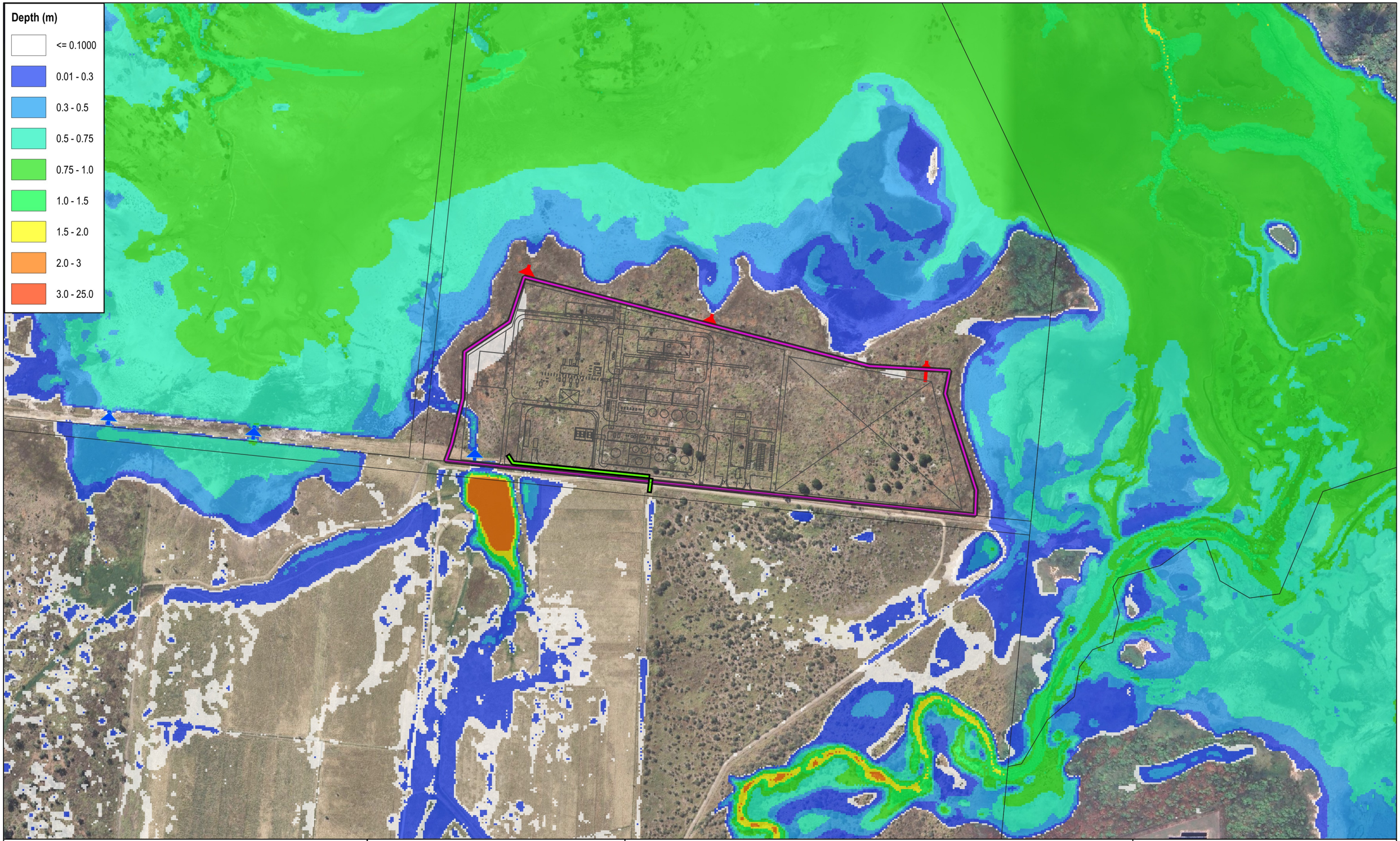
Legend

- Land Parcels
- Development Extent
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)

JET ZERO - PROJECT ULYSSES STUART, TOWNSVILLE

20% AEP Maximum Baseline Flood Depth

Prepared By: IG Reviewed by: AW	Date: 20/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map D03



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

Legend

- Land Parcels
- Development Extent
- Proposed Site Layout
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)
- Proposed Minor Levee

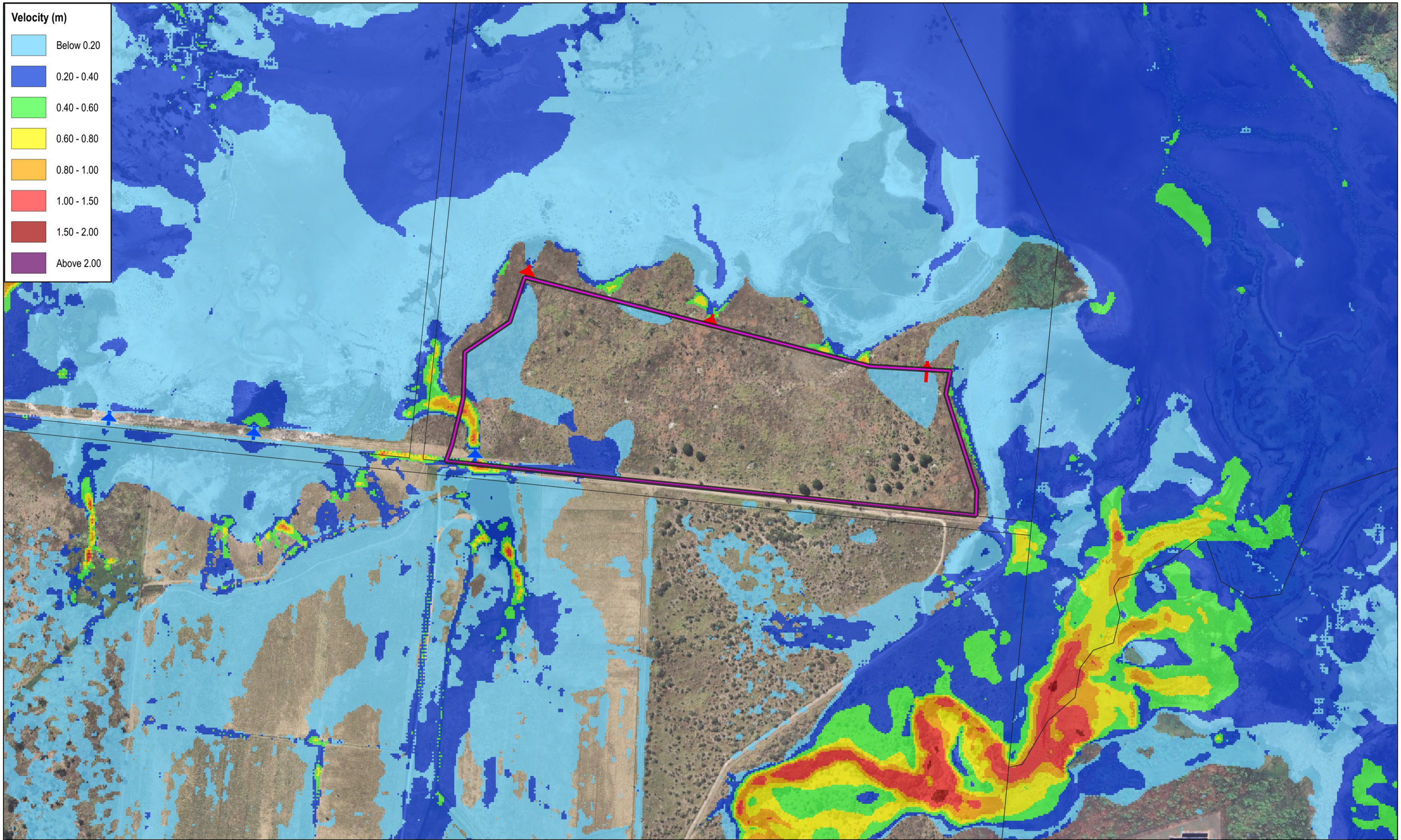
JET ZERO - PROJECT ULYSSES STUART, TOWNSVILLE

20% AEP Maximum Developed Flood Depth

Prepared By: IG Reviewed by: AW	Date: 19/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map D04

APPENDIX E

Flow Velocity Results



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

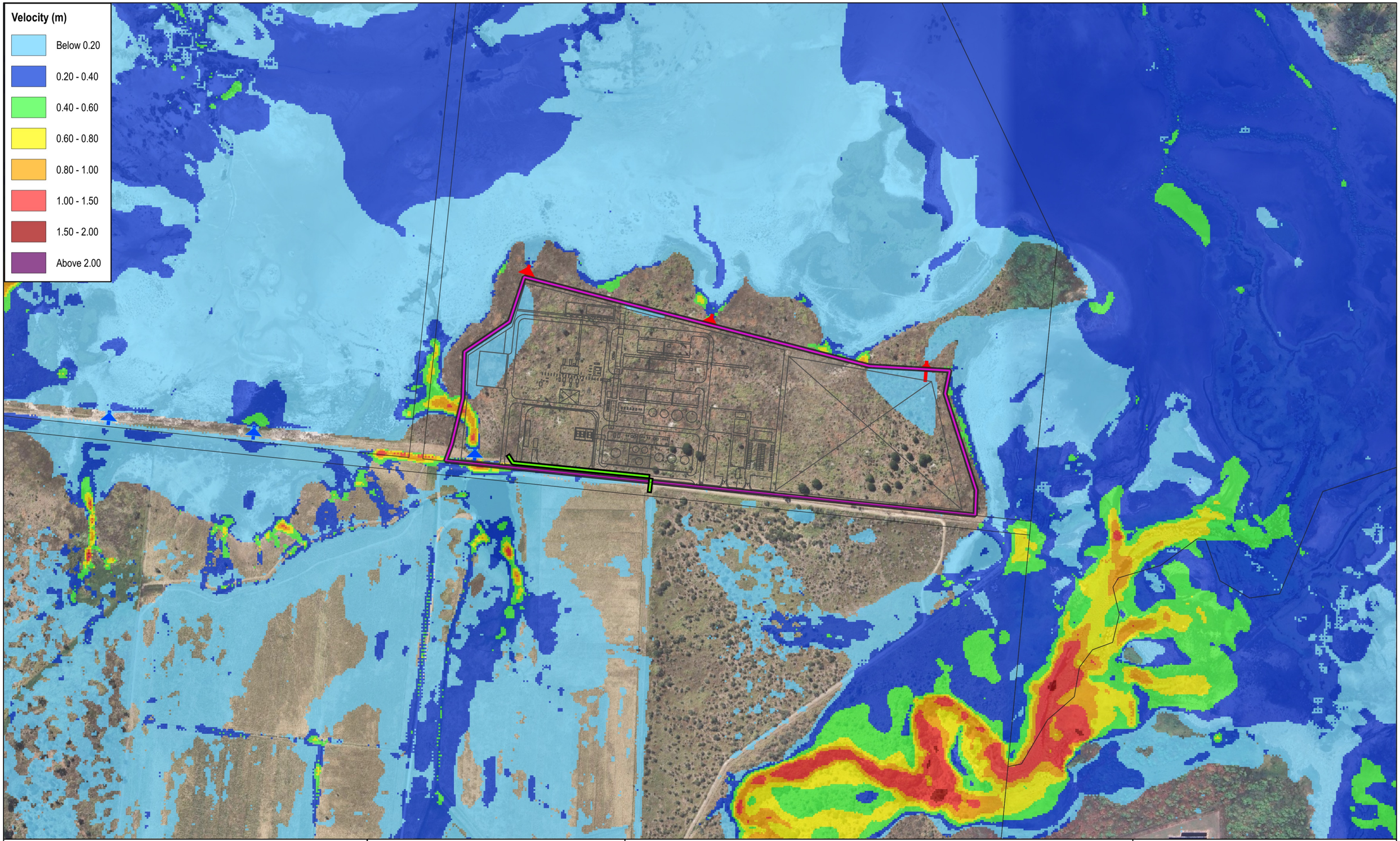
Legend

- Land Parcels
- Development Extent
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)

JET ZERO - PROJECT ULYSSES
STUART, TOWNSVILLE

1% AEP Maximum Baseline Flow Velocity

Prepared By: IG Reviewed by: AW	Date: 20/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map E01



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

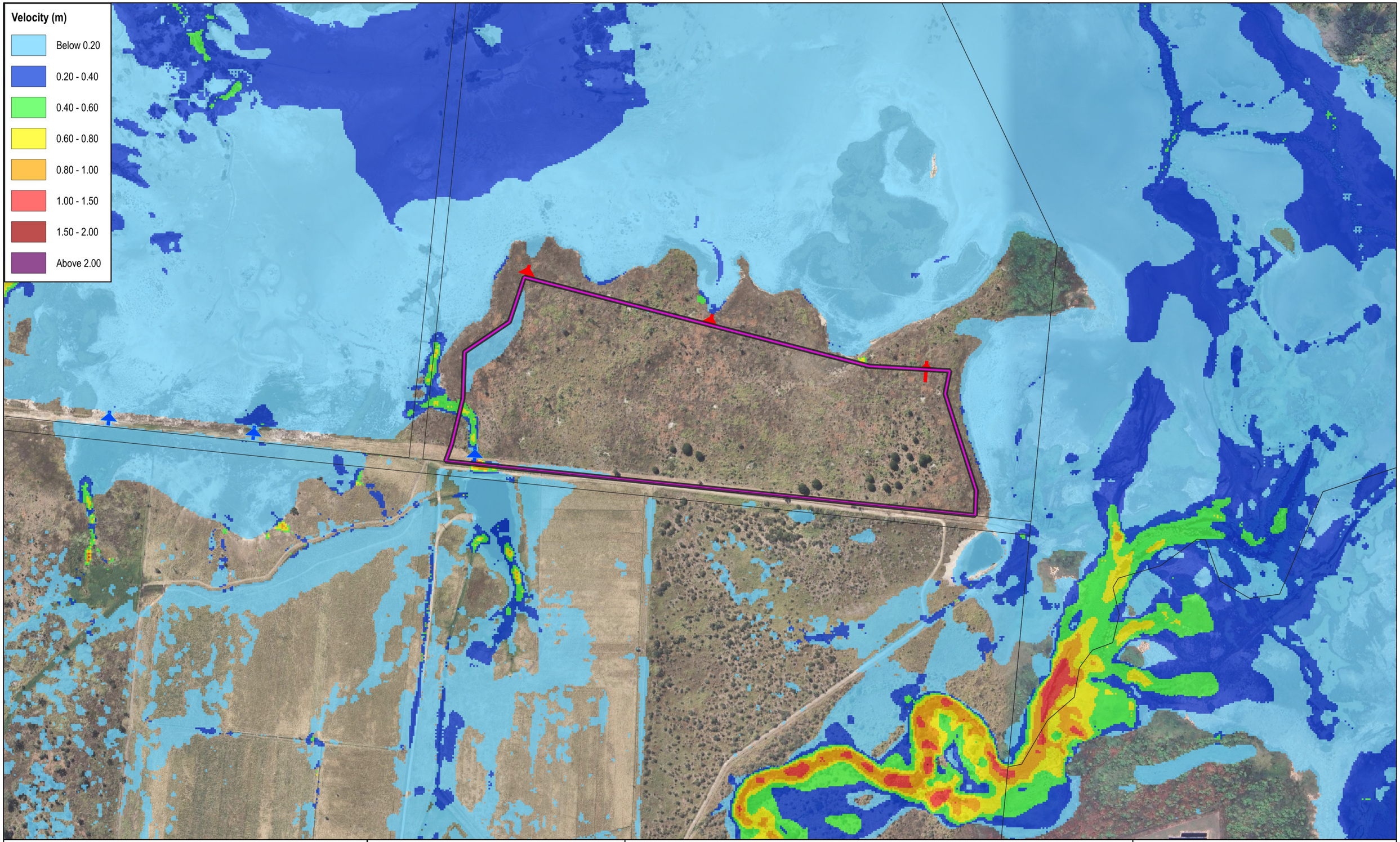
Legend

- Land Parcels
- Development Extent
- Proposed Site Layout
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)
- Proposed Minor Levee

JET ZERO - PROJECT ULYSSES
STUART, TOWNSVILLE

1% AEP Maximum Developed Flow Velocity

Prepared By: IG Reviewed by: AW	Date: **20/03/2025** Revision: **A** NCE Ref: **MJ2601**	Size **A3**	Map **E02**



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

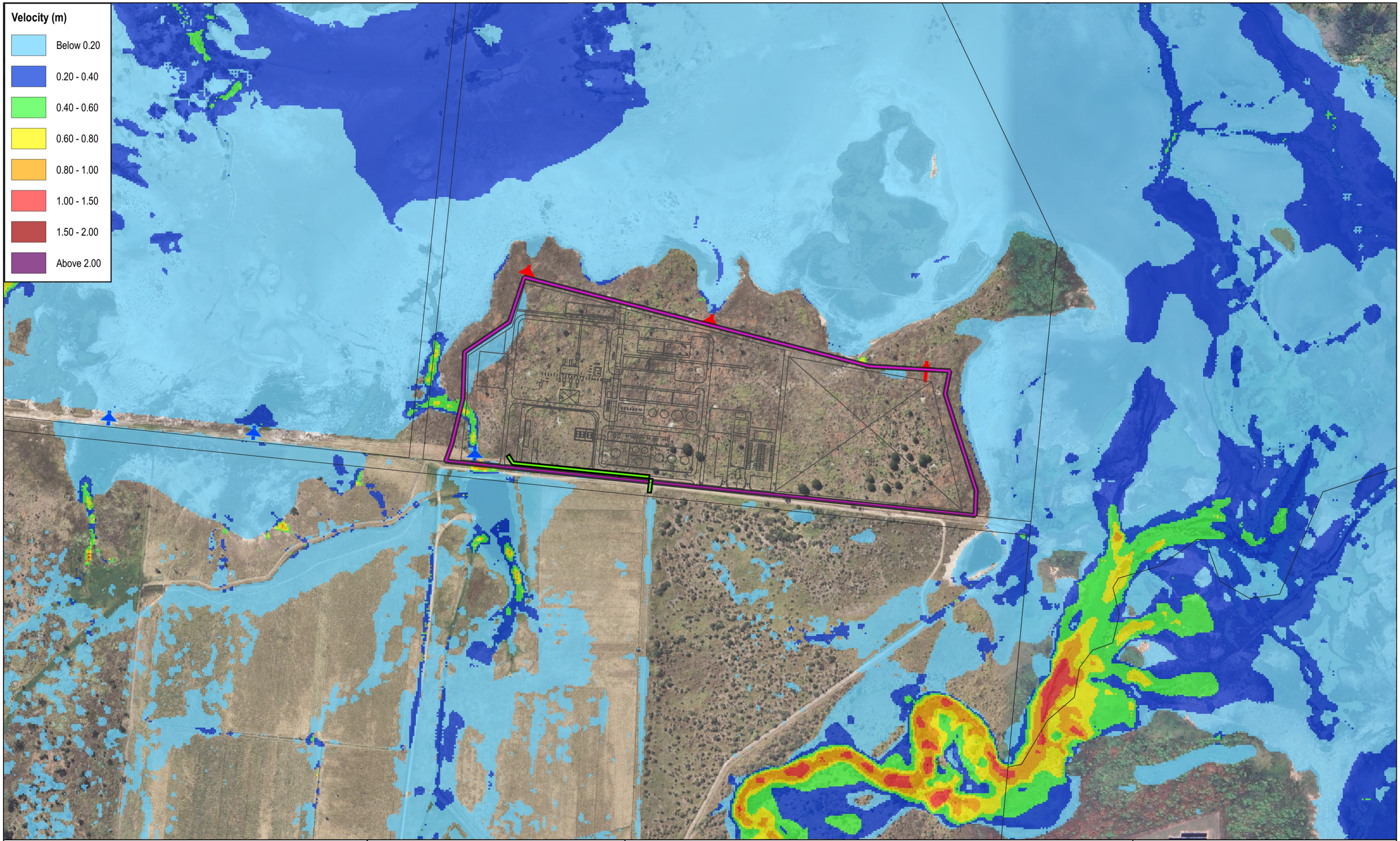
Legend

- Land Parcels
- Development Extent
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)

JET ZERO - PROJECT ULYSSES
STUART, TOWNSVILLE

20% AEP Maximum Baseline Flow Velocity

Prepared By: IG Reviewed by: AW	Date: 20/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map E03



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

Legend

- Land Parcels
- Development Extent
- Proposed Site Layout
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)
- Proposed Minor Levee

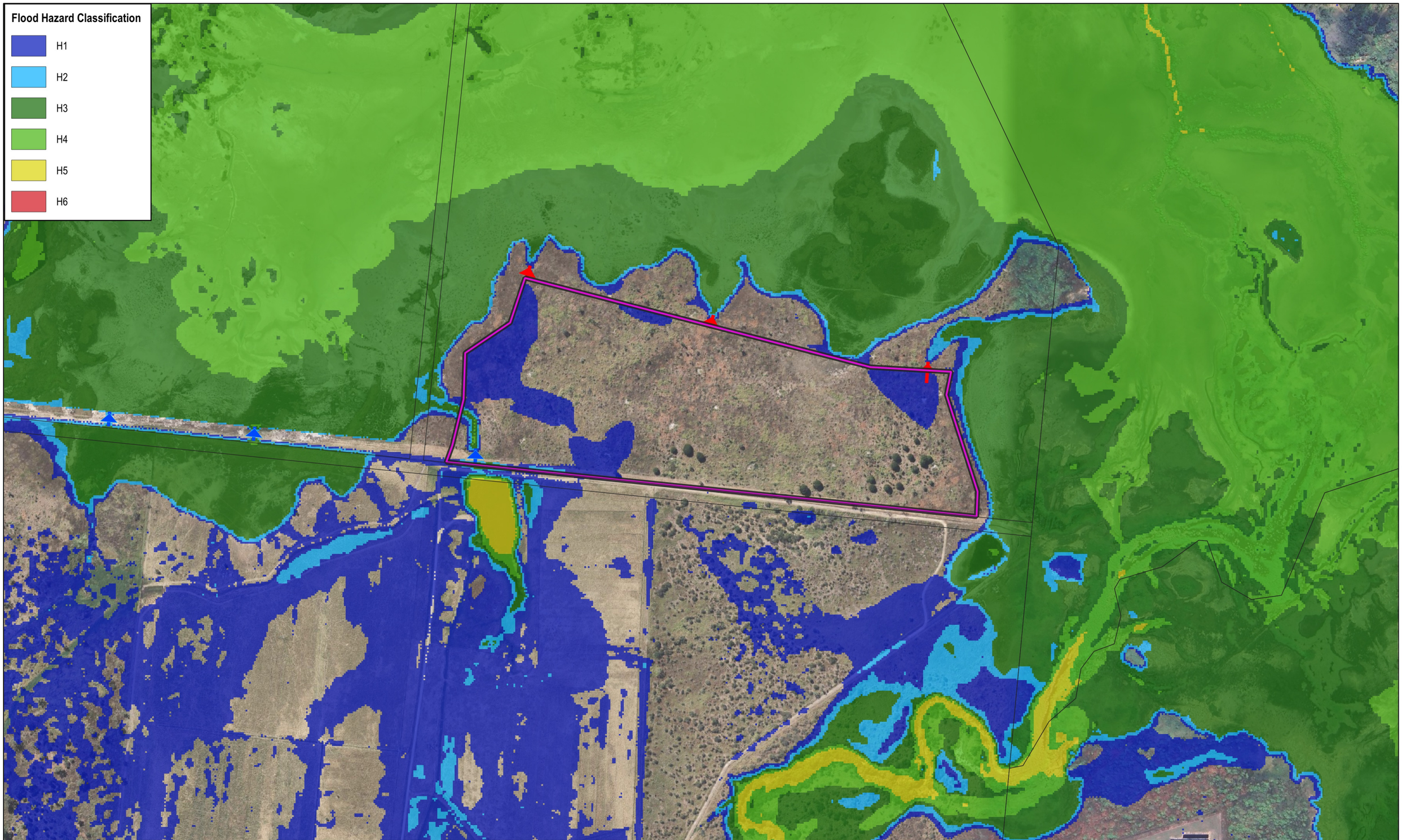
JET ZERO - PROJECT ULYSSES
STUART, TOWNSVILLE

20% AEP Maximum Developed Flow Velocity

Prepared By: IG Reviewed by: AW	Date: **20/03/2025** Revision: **A** NCE Ref: **MJ2601**	Size **A3**	Map **E04**

APPENDIX F

Flood Hazard Results



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

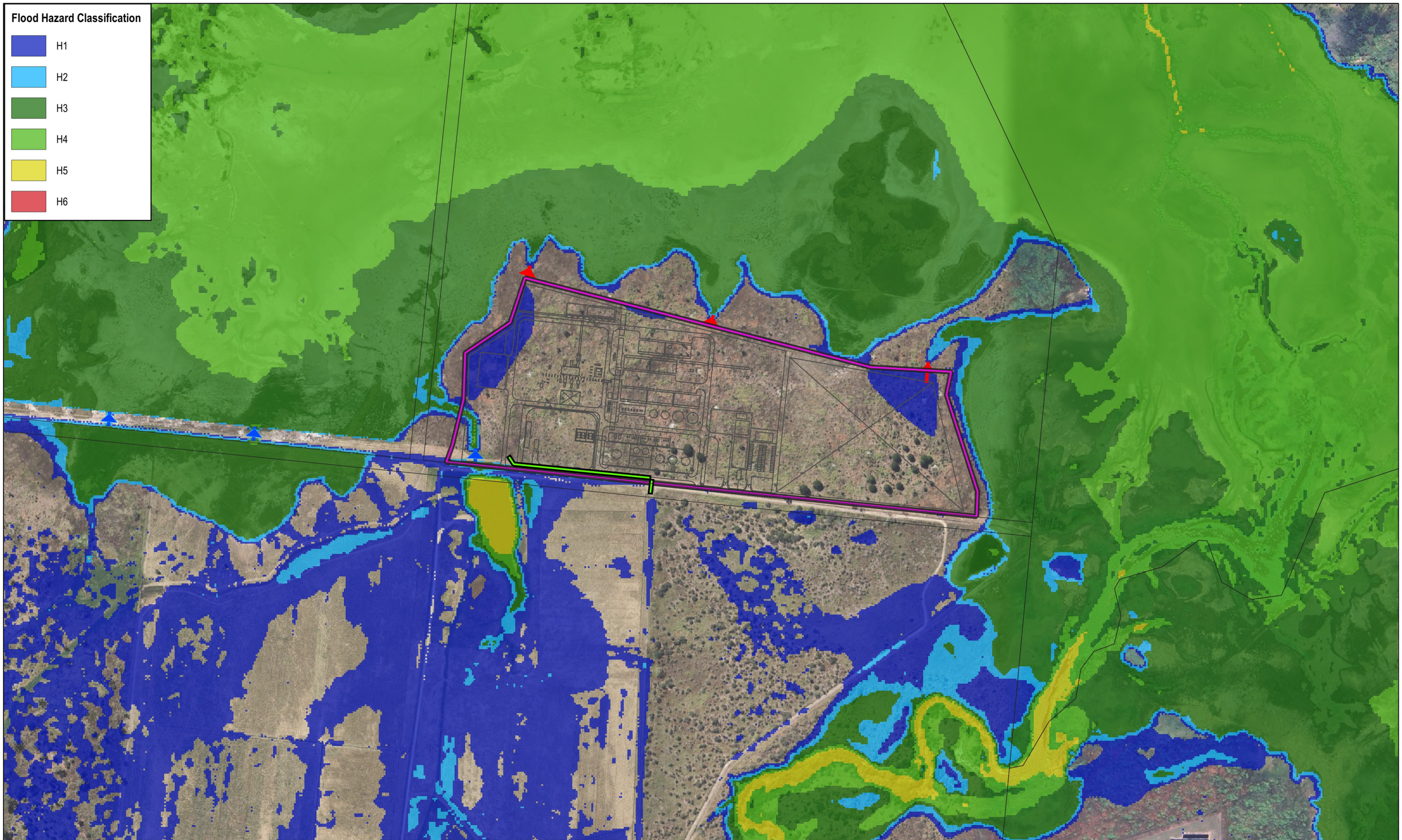
Legend

- Land Parcels
- Development Extent
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)

JET ZERO - PROJECT ULYSSES STUART, TOWNSVILLE

1% AEP Maximum Baseline Flood Hazard

Prepared By: IG Reviewed by: AW	Date: 20/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map F01



NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

Legend

- Land Parcels
- Development Extent
- Proposed Site Layout
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)
- Proposed Minor Levee

JET ZERO - PROJECT ULYSSES STUART, TOWNSVILLE

1% AEP Maximum Developed Flood Hazard

Prepared By: IG Reviewed by: AW	Date: 20/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map F02

Flood Hazard Classification

- H1
- H2
- H3
- H4
- H5
- H6

NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

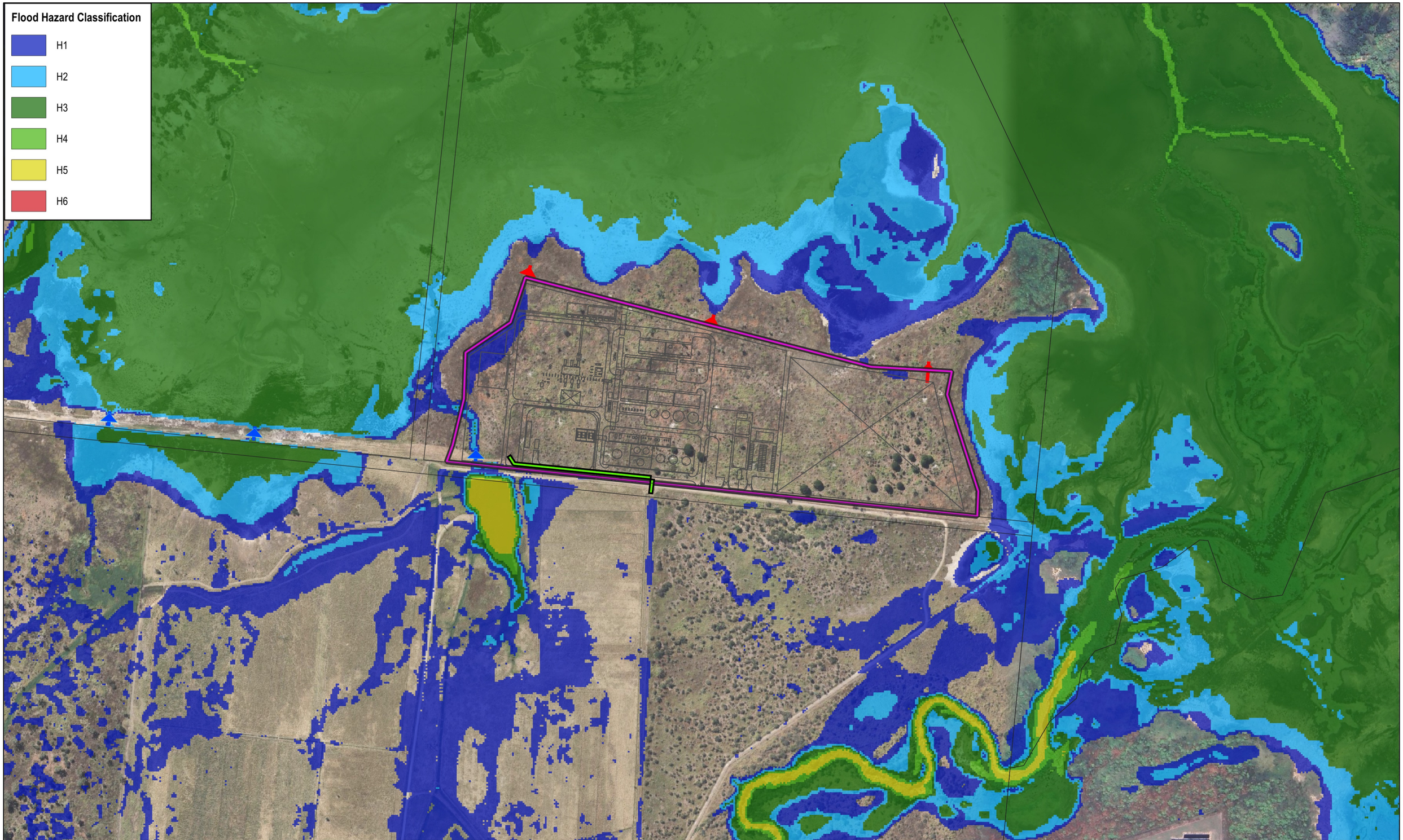
Legend

- Land Parcels
- Development Extent
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)

JET ZERO - PROJECT ULYSSES STUART, TOWNSVILLE

20% AEP Maximum Baseline Flood Hazard

Prepared By: IG Reviewed by: AW	Date: 20/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map F03



0°
NORTHERN CONSULTING engineers

Civil | Structural | Forensic
Traffic | Flood Modelling

TOWNSVILLE | SUNSHINE COAST | BRISBANE
GLADSTONE | NEW ZEALAND

T: +617 4725 5550 E: mail@nceng.com.au
W: www.nceng.com.au

Disclaimer:
All information noted on this plan is INDICATIVE only, therefore any reference and/or deconstruction of the data not soley related to the documents'purpose shall be at the user's risk. NCE shall bare no responsibility or liability for any errors, faults, defects, or omissions in the information.

In Association With:

LONG ENERGY AND RESOURCES

0 50 100 150 200 250 m

1:5,000

N

Legend

- Land Parcels
- Development Extent
- Proposed Site Layout
- Baseline Culverts (Rectangular)
- Baseline Culverts (Circular)
- Proposed Minor Levee

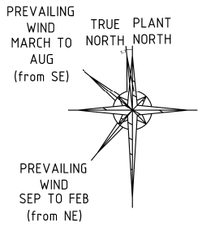
JET ZERO - PROJECT ULYSSES STUART, TOWNSVILLE

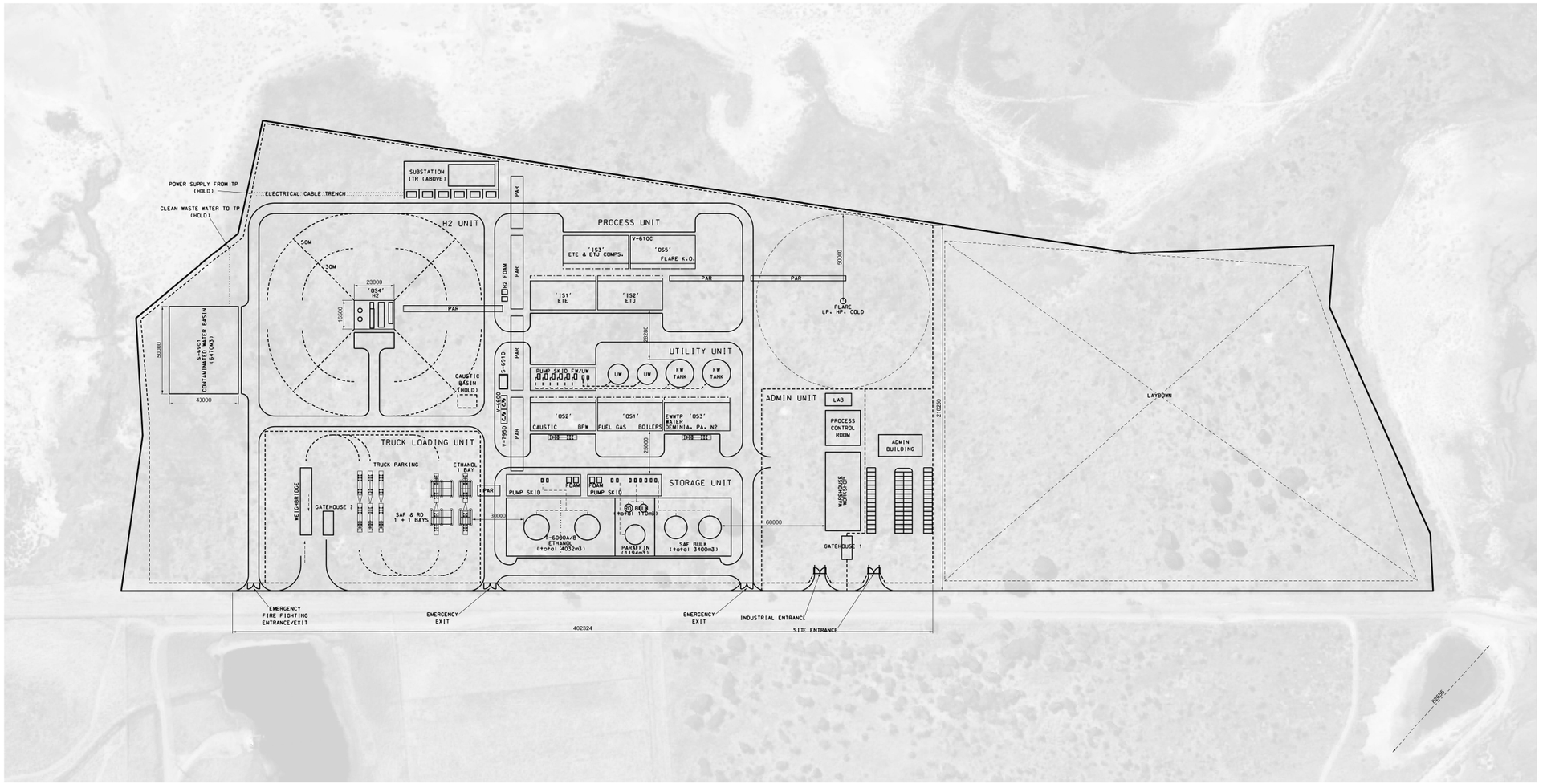
20% AEP Maximum Developed Flood Hazard

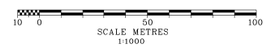
Prepared By: IG Reviewed by: AW	Date: 20/03/2025 Revision: A NCE Ref: MJ2601	Size A3	Map F04

APPENDIX G

Site Layout Plan







NOTES

1. GOOGLE EARTH SITE IMAGE IS APPROXIMATELY SCALED.
2. ALL COORDINATES IN METERS, ALL DIMENSIONS IN MILLIMETERS.
3. THIS LAYOUT IS BASED ON REV A3 PROCESS DATA.

HOLDS

1. SITE CO-ORDINATES AND BOUNDARY LINE.
2. EQUIPMENT SIZE AND LOCATION.
3. MODULE SIZE AND LOCATION.
4. TRUCK LOADING/UNLOADING.
5. THIRD PARTY TIE-IN LOCATIONS.
6. ADMIN AND SUBSTATION BUILDINGS SIZE AND LOCATION.
7. REQUIREMENT FOR COOLING WATER (NOT SHOWN IN LAYOUT).
8. REQUIREMENT FOR SULPHURIC ACID STORAGE TANK.
9. REQUIREMENT FOR H2 STORAGE BULLETS.
10. FLARE STERLIE RADIUS.
11. ANALYSER HOUSE REQUIREMENT, QUANTITY AND LOCATION.
12. HYDROGEN COMPRESSOR LOCATION ASSUMED TO BE WITHIN H2 MODULE (OS4).
13. REQUIREMENT FOR CAUSTIC BASIN AND SIZE.

KEY

- UNDERGROUND
- FENCE
- LAYDOWN/ACCESS
- EQUIPMENT
- MODULE/PIPERACK/STRUCTURE
- ROADS/CIVIL
- PIPING STUDY
- PROPOSED SAF PLOT LIMIT

PAR	PRE-ASSEMBLED RACK
PAU	PRE-ASSEMBLED UNIT
TP	THIRD PARTY

REFERENCE DRAWINGS

Rev	Date	Revision Object	Written	Checked	Approved Technical	Approved Project
X	X	INTERNAL	NM	GM	GM	NP

Information contained in this document is the work product of one or more legal entities of Technip Energies and embodies confidential and proprietary information of the applicable entity and/or its client. Use of this information is restricted in accordance with conditions specified by the contract. Technip Energies and its affiliates disclaim any and all liabilities for any changes or modifications to this document which are made by any person other than the entity that issued the document under the applicable client contract. This document is Uncontrolled When Reproduced.

TECHNIP ENERGIES | Jet Zero AUSTRALIA

PROJECT ULYSSES PRE-FEED
QUEENSLAND, AUSTRALIA

CONCEPTUAL OVERALL PLOT PLAN

SCALE: 1:1000 | SHEET:

CLIENT Doc. Ref.

T.EN. Doc. Ref.

REVISION | FORMAT: A0