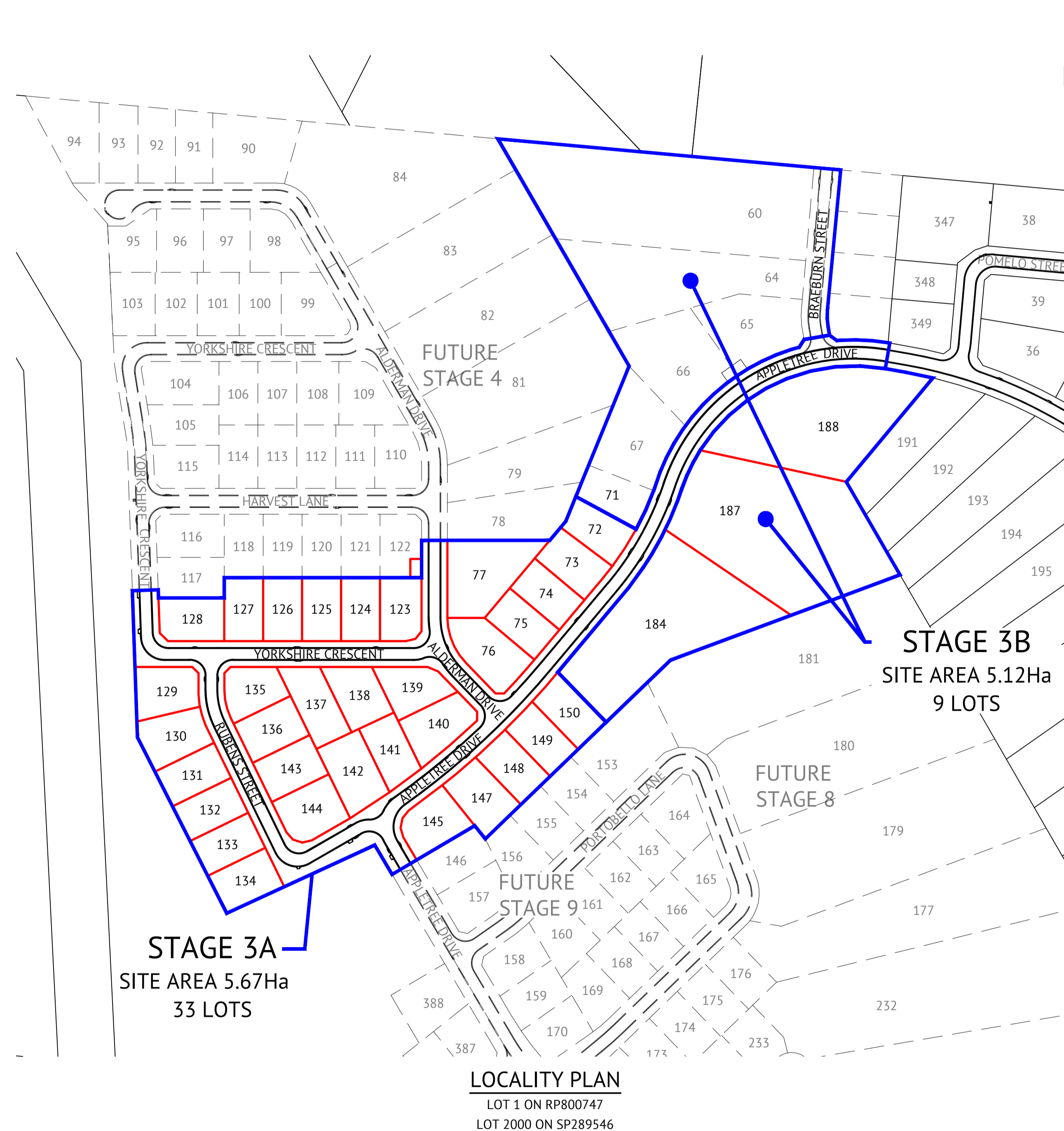





THE ORCHARD
a great place to grow your future

THE ORCHARD STAGE 3 DARLING ROAD, JENSEN FOR ELEMENTS NQ PTY LTD



SHEET LIST TABLE	
SHEET NO.	SHEET TITLE
130	EARTHWORKS LAYOUT PLAN - SHEET 1 OF 3
131	EARTHWORKS LAYOUT PLAN - SHEET 2 OF 3
132	EARTHWORKS LAYOUT PLAN - SHEET 3 OF 3
133	ROADWORKS & STORMWATER DRAINAGE PLAN - SHEET 1 OF 3
134	ROADWORKS & STORMWATER DRAINAGE PLAN - SHEET 2 OF 3
135	ROADWORKS & STORMWATER DRAINAGE PLAN - SHEET 3 OF 3
136	APPLETREE DRIVE LONGITUDINAL SECTION - SHEET 1 OF 2
137	APPLETREE DRIVE LONGITUDINAL SECTION - SHEET 2 OF 2
138	APPLETREE DRIVE CROSS SECTIONS
139	DELETED
140	ALDERMAN DRIVE LONGITUDINAL & CROSS SECTIONS
141	RUBENS STREET LONGITUDINAL & CROSS SECTIONS
142	YORKSHIRE CRESCENT LONGITUDINAL & CROSS SECTIONS
143	ROADWORKS DETAILS PLAN
144	Q2 STORMWATER LONGITUDINAL SECTION - SHEET 1 OF 2
145	Q2 STORMWATER LONGITUDINAL SECTION - SHEET 2 OF 2
146	WATER & SEWERAGE RETICULATION PLAN - SHEET 1 OF 3
147	WATER & SEWERAGE RETICULATION PLAN - SHEET 2 OF 3
148	WATER & SEWERAGE RETICULATION PLAN - SHEET 3 OF 3
149	SEWER LONGITUDINAL SECTIONS - SHEET 1 OF 3
150	SEWER LONGITUDINAL SECTIONS - SHEET 2 OF 3
151	SEWER LONGITUDINAL SECTIONS - SHEET 3 OF 3
152	SEWER AND WATER DETAILS

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE 
DATE .09/11/2021.....

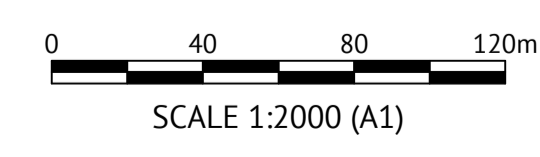
PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ  13231
DATE 10/11/21.....

Revisions			
No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
B.M. Used: PM200736
Coordinate Projection: Plane
Coordinate Datum: Arbitrary
Origin of Coordinates: PM200736 E: 62389.140
Meridian: N: 94092.020
Map Reference:
Contour Interval:
Job No: 27687-068-01
File No: 27687_129A.dwg

Surveyed by: BM
Drawn: MJM
Approved:

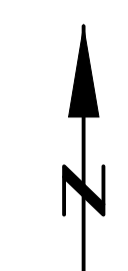


Client:	ELEMENTS NQ PTY LTD
Project:	AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN LOCALITY PLAN, SITE PLAN & DRAWING SCHEDULE
Local Authority: Townsville City Council	Locality:

Date: 3 November 2021
Sheet 1 of 1 Sheets
Scale: AS SHOWN A1
Plan No: 27687/129 A
braziermotti.com.au
SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS

braziermotti





EARTHWORKS LEGEND

- 6.32* x CERTIFIED FINISHED ALLOTMENT LEVEL
- 6.41 x DENOTES EXISTING ALLOTMENT LEVEL
- 6.30 x DENOTES Q100 FLOOD LEVEL
- TOP OF BATTER
- BOTTOM OF BATTER
- INVERT OF DRAIN
- DIRECTION OF KERB & CHANNEL FLOW
- RETAINING WALL REFER SHEET 2 FOR DETAILS

EARTHWORKS NOTES

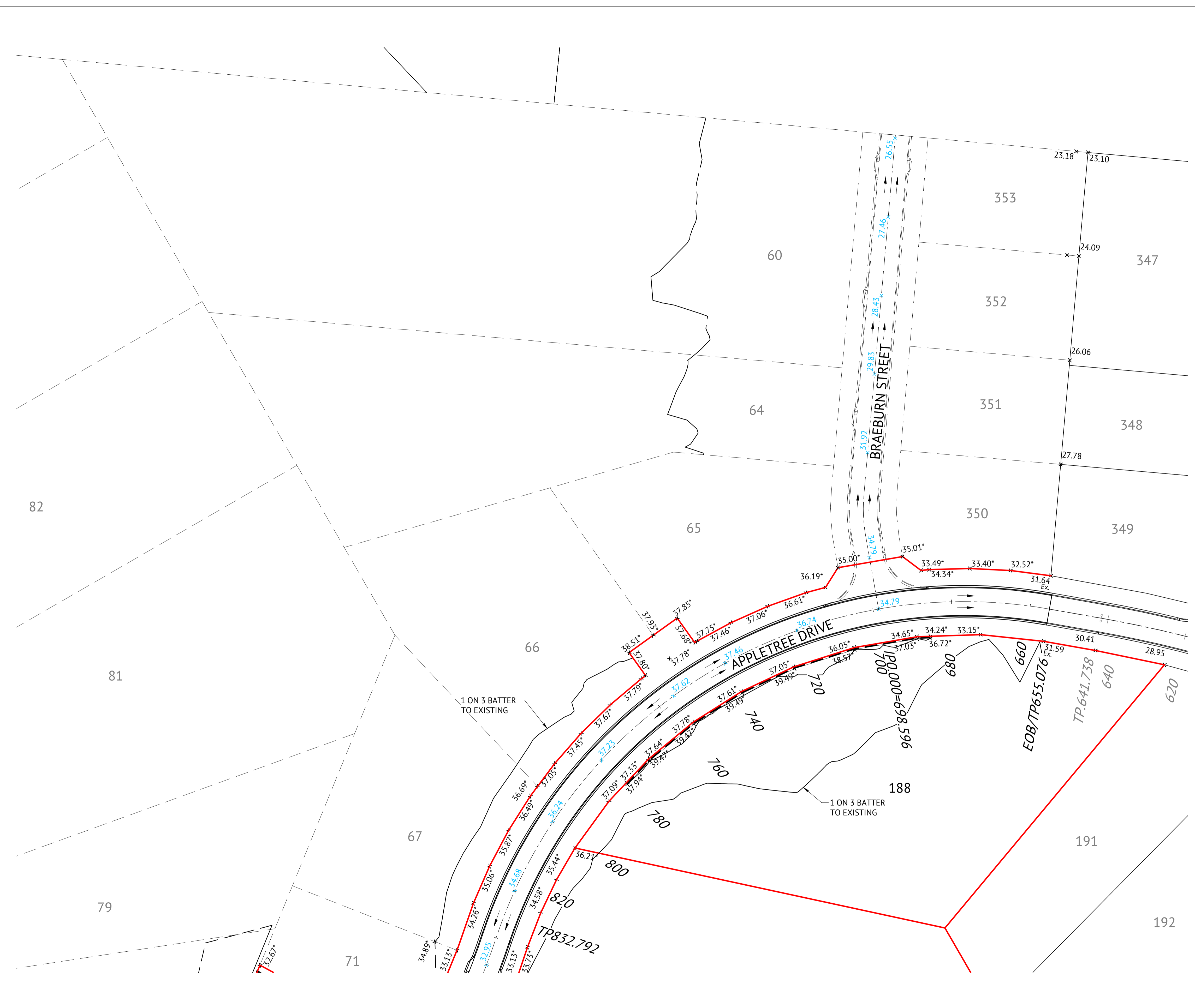
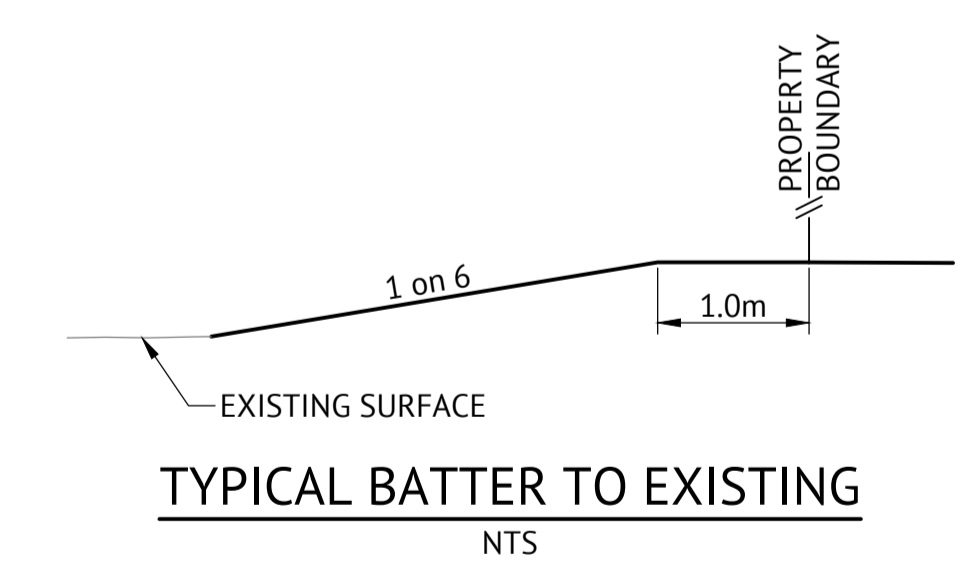
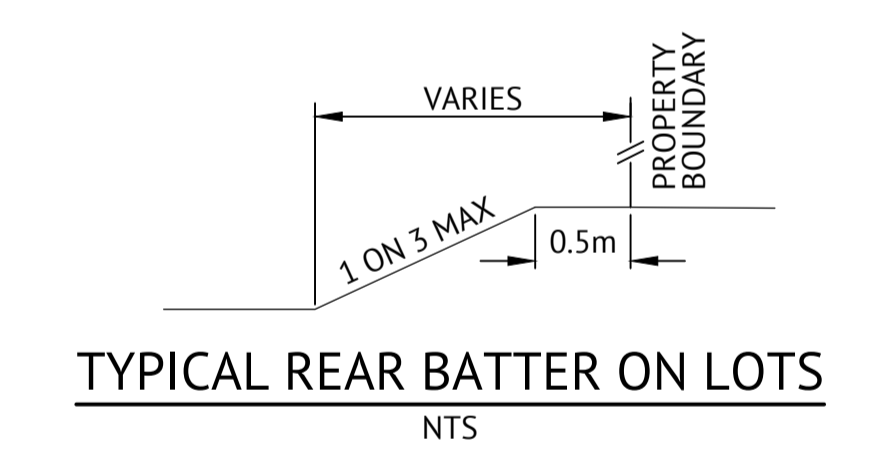
1. ALL EARTHWORKS OPERATIONS ARE UNDERTAKEN IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
2. ALLOTMENTS GRADED EVENLY BETWEEN LEVELS SHOWN. MINIMUM FINISHED ALLOTMENT GRADE TO BE 1:200.

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE DATE ...09/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ 13231 DATE ...10/11/21.....



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736 E: 62389.140
 Meridian: N: 94092.020
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_130A.dwg

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks. The works they have been constructed for subdivision.

Director
 Date: 8-11-2021



Client: **ELEMENTS NQ PTY LTD**
 Project: **AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN EARTHWORKS LAYOUT PLAN - SHEET 1 OF 3**
 Local Authority: Townsville City Council Locality:

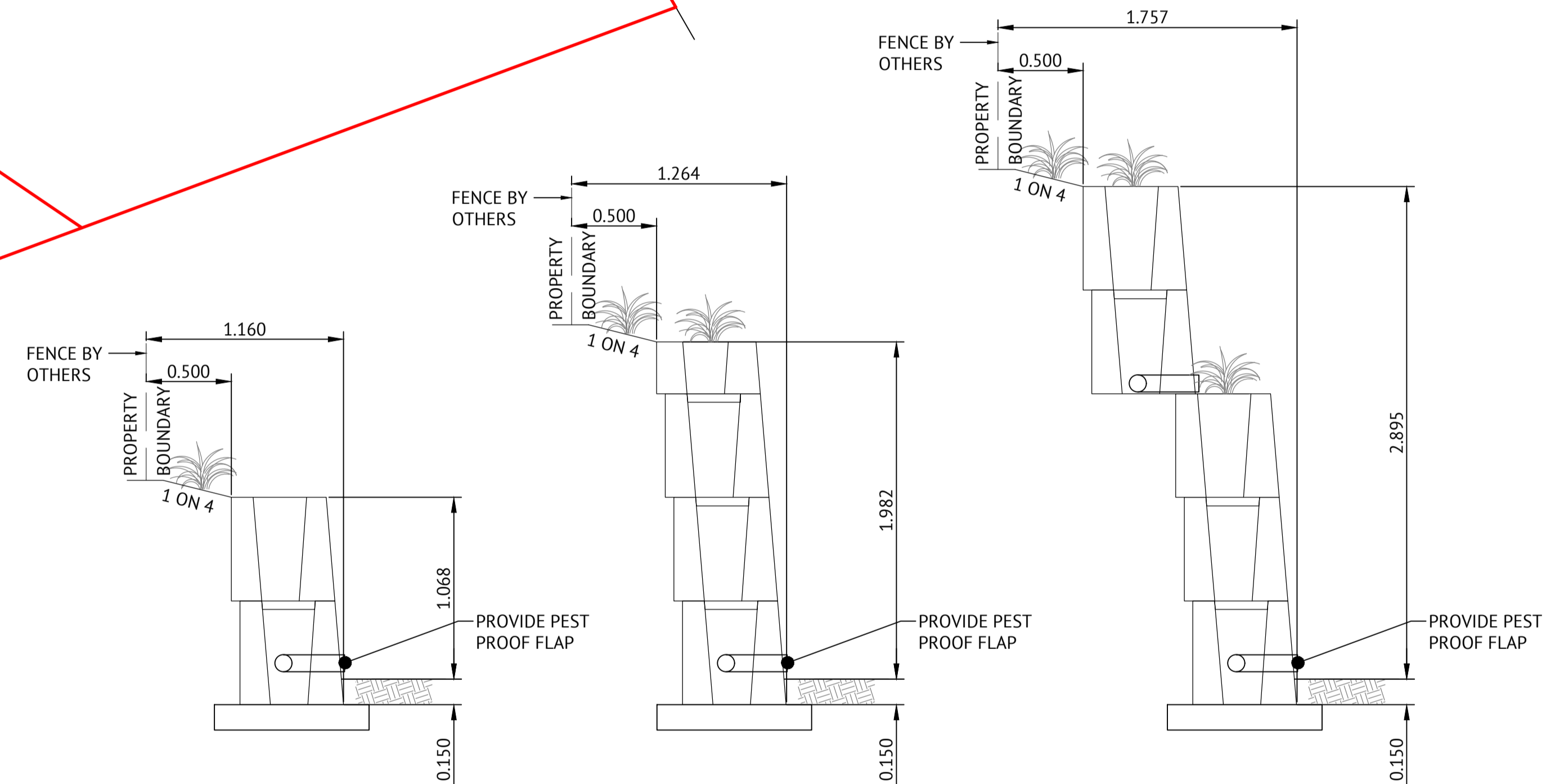
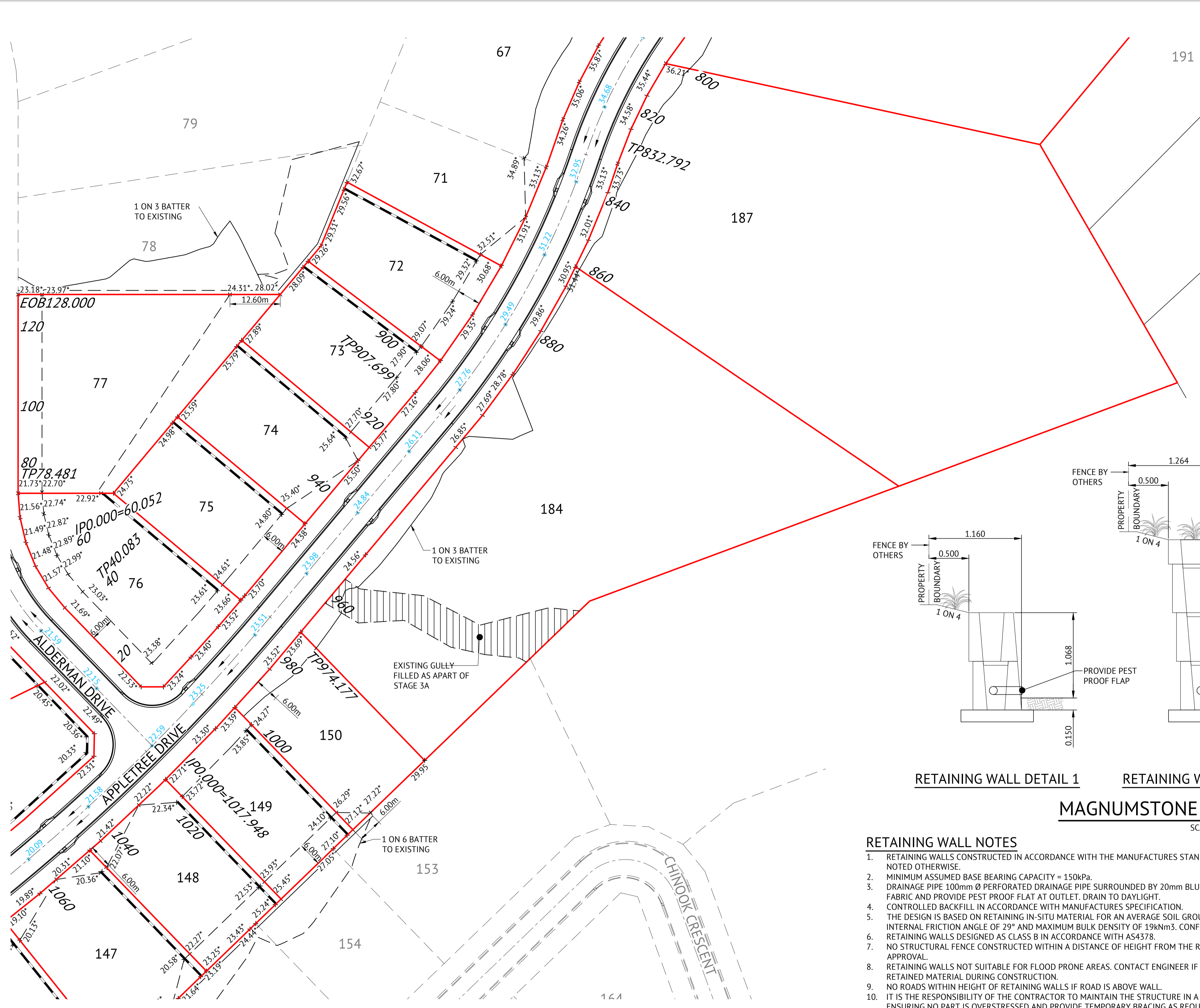
Date: 3 November 2021
 Sheet 1 of 1 Sheets
 Scale: AS SHOWN A1
 Plan No: 27687/130 A
 braziermotti.com.au

EARTHWORKS LEGEND

- 6.32* x CERTIFIED FINISHED ALLOTMENT LEVEL
- 6.41 x EX. DENOTES EXISTING ALLOTMENT LEVEL
- 6.30 x DENOTES Q100 FLOOD LEVEL
- TOP OF BATTER
- BOTTOM OF BATTER
- INVERT OF DRAIN
- DIRECTION OF KERB & CHANNEL FLOW
- RETAINING WALL REFER SHEET 2 FOR DETAILS

EARTHWORKS NOTES

1. ALL EARTHWORKS OPERATIONS ARE UNDERTAKEN IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
2. ALLOTMENTS GRADED EVENLY BETWEEN LEVELS SHOWN. MINIMUM FINISHED ALLOTMENT GRADE TO BE 1:200.



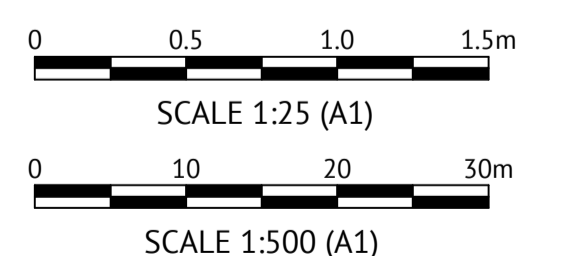
RETAINING WALL DETAIL 1 RETAINING WALL DETAIL 2 RETAINING WALL DETAIL 3

MAGNUMSTONE RETAINING WALLS

SCALE 1:25

RETAINING WALL NOTES

1. RETAINING WALLS CONSTRUCTED IN ACCORDANCE WITH THE MANUFACTURES STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
2. MINIMUM ASSUMED BASE BEARING CAPACITY = 150kPa.
3. DRAINAGE PIPE 100mm Ø PERFORATED DRAINAGE PIPE SURROUNDED BY 20mm BLUE METAL (SCREENED) WRAPPED IN GEOTEXTILE FABRIC AND PROVIDE PEST PROOF FLAT AT OUTLET. DRAIN TO DAYLIGHT.
4. CONTROLLED BACKFILL IN ACCORDANCE WITH MANUFACTURES SPECIFICATION.
5. THE DESIGN IS BASED ON RETAINING IN-SITU MATERIAL FOR AN AVERAGE SOIL GROUP (REFER TABLE D4, AS4678), WITH A MINIMUM INTERNAL FRICTION ANGLE OF 29° AND MAXIMUM BULK DENSITY OF 19kNm³. CONFIRM ON SITE.
6. RETAINING WALLS DESIGNED AS CLASS B IN ACCORDANCE WITH AS4378.
7. NO STRUCTURAL FENCE CONSTRUCTED WITHIN A DISTANCE OF HEIGHT FROM THE RETAINING WALL WITHOUT ENGINEERING APPROVAL.
8. RETAINING WALLS NOT SUITABLE FOR FLOOD PRONE AREAS. CONTACT ENGINEER IF SIGNIFICANT GROUND WATER ENCOUNTERED IN RETAINED MATERIAL DURING CONSTRUCTION.
9. NO ROADS WITHIN HEIGHT OF RETAINING WALLS IF ROAD IS ABOVE WALL.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE STRUCTURE IN A STABLE CONDITION DURING CONSTRUCTION, ENSURING NO PART IS OVERSTRESSED AND PROVIDE TEMPORARY BRACING AS REQUIRED (eg. DURING BACKFILL COMPACTION).



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736
 Meridian: E: 62389.140
 N: 94092.020
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_131A.dwg
 Surveyed by: BM
 Drawn: MJM
 Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) as they have been constructed for subdivision.

BRAZIER MOTTI
 Director
 Date: 8-11-2021

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

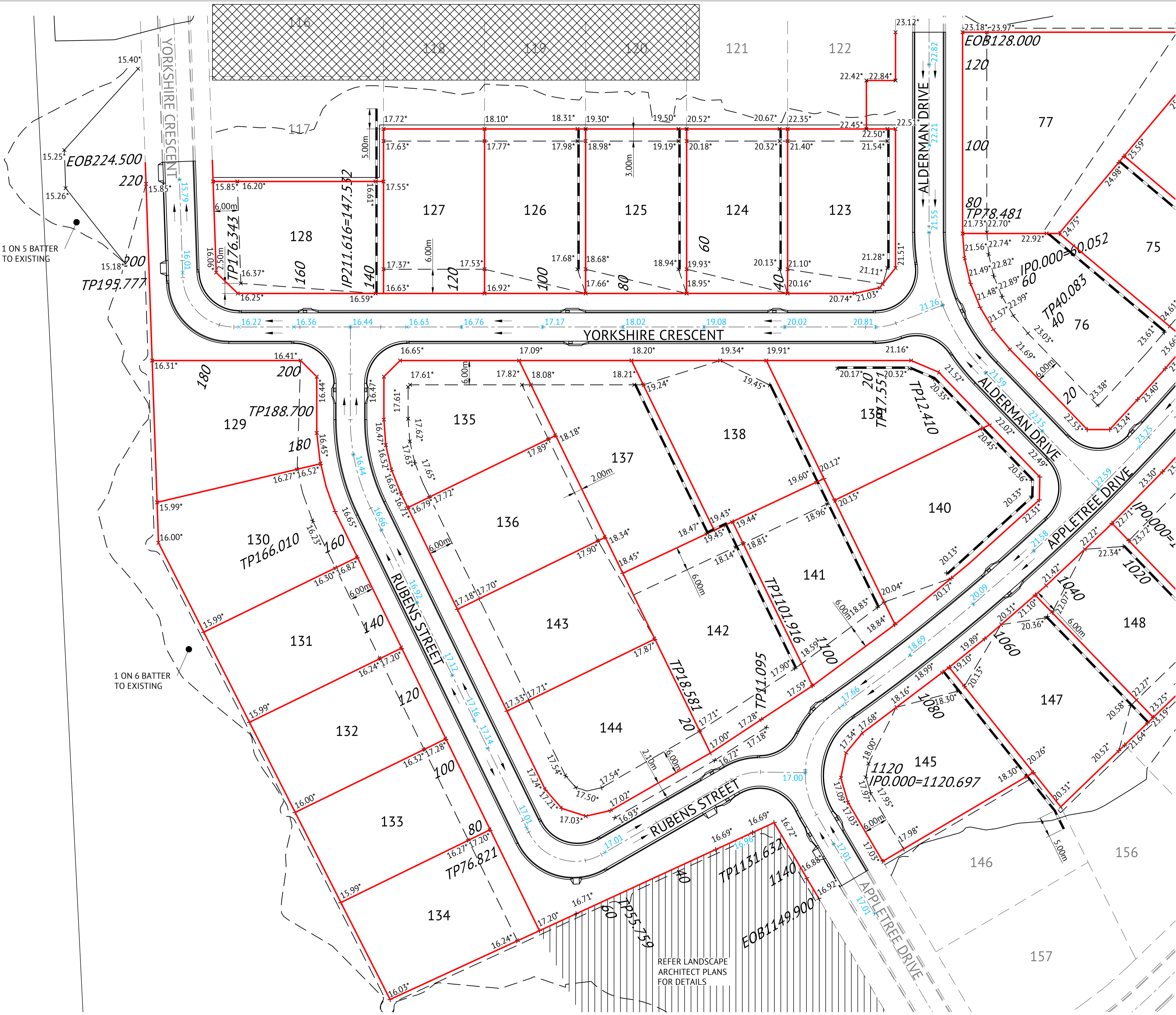
AUTHORISED DELEGATE
 DATE: 09/11/2021

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ: 13231
 DATE: 10/11/21

Client: **ELEMENTS NQ PTY LTD**
 Project: **AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN EARTHWORKS LAYOUT PLAN - SHEET 2 OF 3**
 Local Authority: Townsville City Council Locality:

Date: 3 November 2021
 Sheet 1 of 1 Sheets
 Scale: AS SHOWN A1
 Plan No: 27687/131 A
 braziermotti.com.au
 SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS



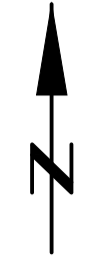
EARTHWORKS LEGEND

- 6.32* CERTIFIED FINISHED ALLOTMENT LEVEL
- x 6.41 DENOTES EXISTING ALLOTMENT LEVEL
- x 6.30 DENOTES Q100 FLOOD LEVEL
- TOP OF BATTER
- BOTTOM OF BATTER
- INVERT OF DRAIN
- DIRECTION OF KERB & CHANNEL FLOW
- RETAINING WALL REFER SHEET 2 FOR DETAILS

EARTHWORKS NOTES

1. ALL EARTHWORKS OPERATIONS ARE UNDERTAKEN IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
2. ALLOTMENTS GRADED EVENLY BETWEEN LEVELS SHOWN. MINIMUM FINISHED ALLOTMENT GRADE TO BE 1:200.

EARTHWORKS STOCKPILE (SPRAYED WITH TACKIFIER AGENT)



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736
 Meridian:
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_132A.dwg

E: 62389.140
 N: 94092.020

Surveyed by: BM
 Drawn: MJM
 Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street,
 Townsville hereby certify that this Drawing accurately and correctly
 describes and records the nature and location of the works depicted by
 asterisks (*) in the drawings, as they have been constructed for subdivision.

Director
 Date: 8-11-2021



Client: **ELEMENTS NQ PTY LTD**
 Project: **AS CONSTRUCTED - THE ORCHARD 3A
 DARLING ROAD, JENSEN
 EARTHWORKS LAYOUT PLAN - SHEET 3 OF 3**

Local Authority: Townsville City Council Locality:

Date: 3 November 2021
 Sheet 1 of 1 Sheets
 Scale: AS SHOWN A1
 Plan No: 27687/132 A

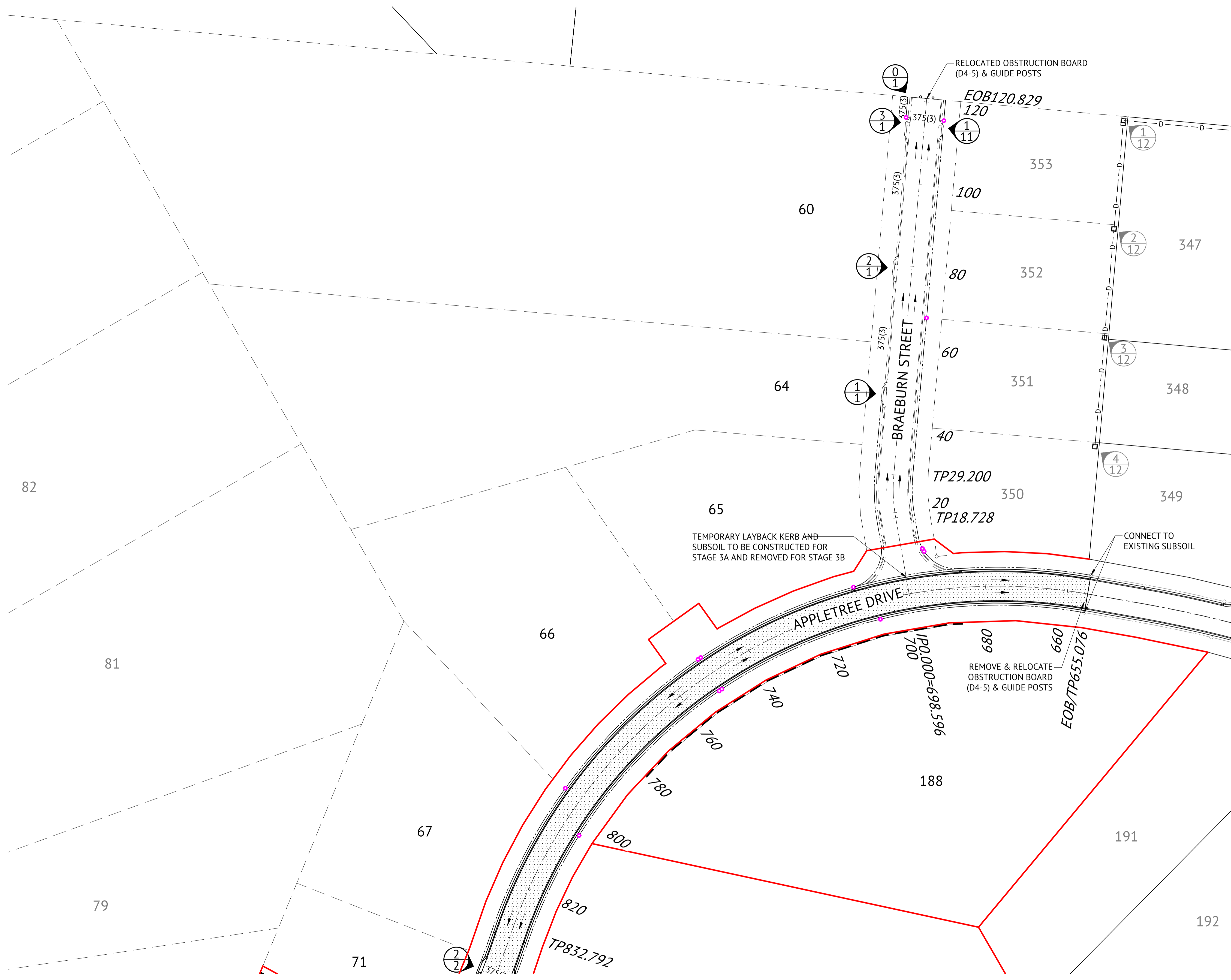
braziermotti.com.au
 SURVEYING
 TOWNPLANNING
 PROJECTMANAGEMENT
 MAPPING&GIS

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
 DATE .09/11/2021

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ 13231
 DATE 10/11/21



STORMWATER LEGEND:

- SEWER MAIN
- STORMWATER DRAINAGE LINE
- STORMWATER MANHOLE (MANHOLE NO./LINE NO.)
- KERB INLET PIT (PIT NO./LINE NO.)
- EXISTING STORMWATER DRAINAGE LINE
- EXISTING STORMWATER MANHOLE (MANHOLE NO./LINE NO.)
- EXISTING KERB INLET PIT (PIT NO./LINE NO.)
- DUMPED ROCK SCOUR PROTECTION ON GEOTEXTILE FABRIC (200g/m²)
ROCK GRADING - 400mm THICK
75mm-325mm, AVERAGE SIZE 200mm

- ### STORMWATER NOTES
- ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
 - FOR STORMWATER LEVELS, PIPE LENGTHS, PIPE CLASS AND STRUCTURE TYPES, REFER STORMWATER LONGITUDINAL DRAWINGS.
 - ALL PIPE CUTS MADE USING A MASONRY SAW.
 - ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.

ROADWORKS LEGEND

- LAYBACK KERB AND CHANNEL (TYPE L1)
- BARRIER KERB AND CHANNEL (TYPE B1)
- DOUBLE STREET NAME PLATE
- DIRECTION OF KERB & CHANNEL FLOW
- SUBSOIL DRAIN & CLEANOUT POINT
- 30mm THICK ASPHALT
- RETAINING WALL REFER EARTHWORKS SHEET 2 FOR DETAILS
- 1.5m WIDE KERB RAMP, UNLESS NOTED OTHERWISE

- ### ROADWORKS NOTES
- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE DATE ...09/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ ... 13231 DATE ...10/11/21.....

No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736 E: 62389.140
 Meridian: N: 94092.020
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_133A.dwg

Surveyed by: BM
 Drawn: MJM
 Approved:

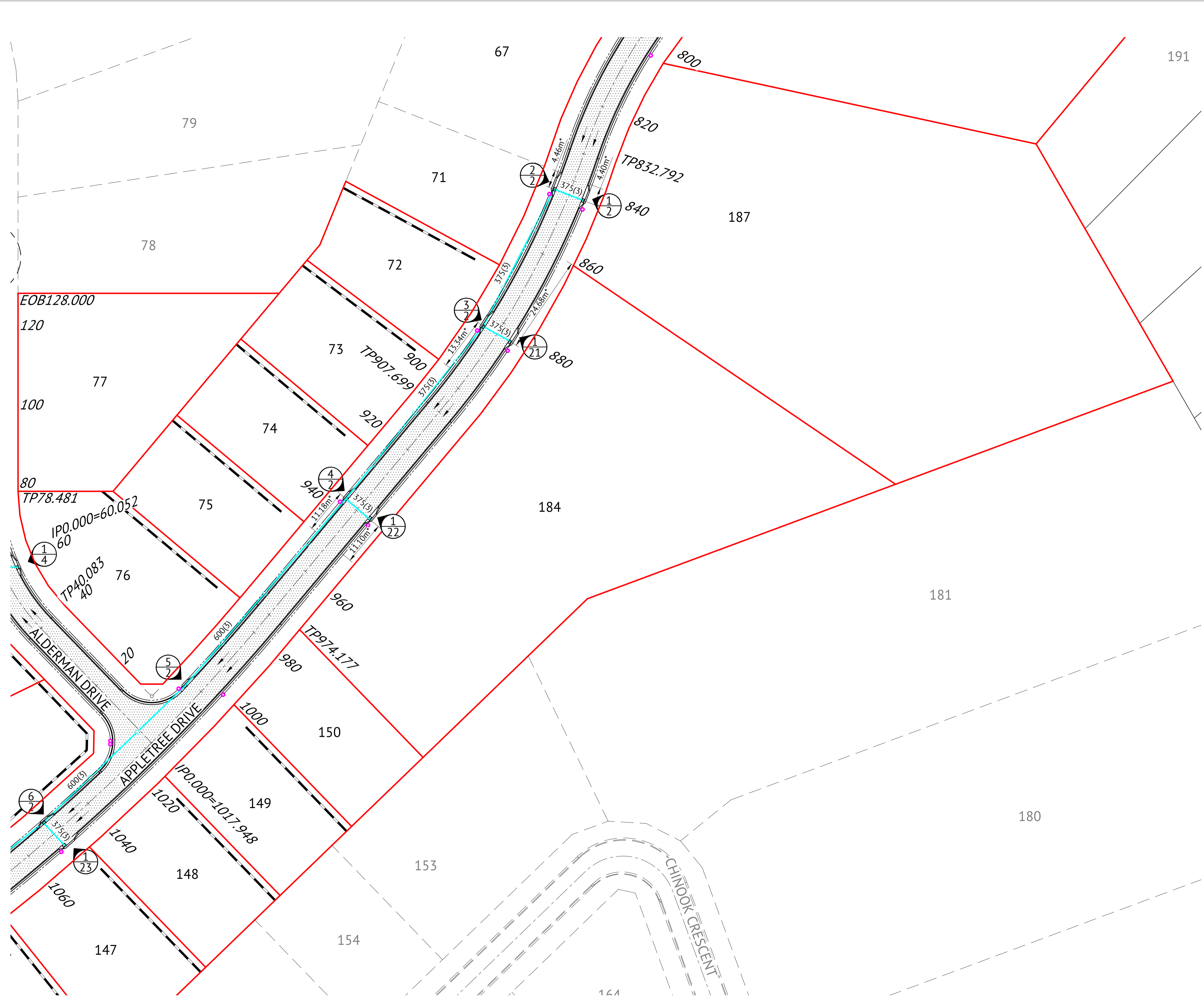
BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) hereto as they have been constructed for subdivision.

Director
 Date: 8-11-2021



Client:	ELEMENTS NQ PTY LTD	Date: 3 November 2021
Project:	AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN	Sheet 1 of 1 Sheets
	ROADWORKS & STORMWATER DRAINAGE PLAN - SHEET 1 OF 3	Scale: AS SHOWN A1
Local Authority: Townsville City Council	Locality:	Plan No: 27687/133 A

braziermotti.com.au
 SURVEYING
 TOWNPLANNING
 PROJECTMANAGEMENT
 MAPPING&GIS



STORMWATER LEGEND:

- SEWER MAIN
- STORMWATER DRAINAGE LINE
- STORMWATER MANHOLE (MANHOLE NO./LINE NO.)
- KERB INLET PIT (PIT NO./LINE NO.)
- EXISTING STORMWATER DRAINAGE LINE
- EXISTING STORMWATER MANHOLE (MANHOLE NO./LINE NO.)
- EXISTING KERB INLET PIT (PIT NO./LINE NO.)
- DUMPED ROCK SCOUR PROTECTION ON GEOTEXTILE FABRIC (200g/m²)
ROCK GRADING - 400mm THICK
75mm-325mm, AVERAGE SIZE 200mm

- ### STORMWATER NOTES
- ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
 - FOR STORMWATER LEVELS, PIPE LENGTHS, PIPE CLASS AND STRUCTURE TYPES, REFER STORMWATER LONGITUDINAL DRAWINGS.
 - ALL PIPE CUTS MADE USING A MASONRY SAW.
 - ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.

ROADWORKS LEGEND

- LAYBACK KERB AND CHANNEL (TYPE L1)
- BARRIER KERB AND CHANNEL (TYPE B1)
- DOUBLE STREET NAME PLATE
- DIRECTION OF KERB & CHANNEL FLOW
- SUBSOIL DRAIN & CLEANOUT POINT
- 30mm THICK ASPHALT
- RETAINING WALL. REFER EARTHWORKS SHEET 2 FOR DETAILS
- 1.5m WIDE KERB RAMP, UNLESS NOTED OTHERWISE

- ### ROADWORKS NOTES
- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE DATE ..09/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ 13231 DATE ..10/11/21.....

Revisions			
No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)	
B.M. Used: PM200736	
Coordinate Projection: Plane	
Coordinate Datum: Arbitrary	
Origin of Coordinates: PM200736	E: 62389.140
Meridian:	N: 94092.020
Map Reference:	
Contour Interval:	Surveyed by: BM
Job No: 27687-068-01	Drawn: MJM
File No: 27687_134A.dwg	Approved:

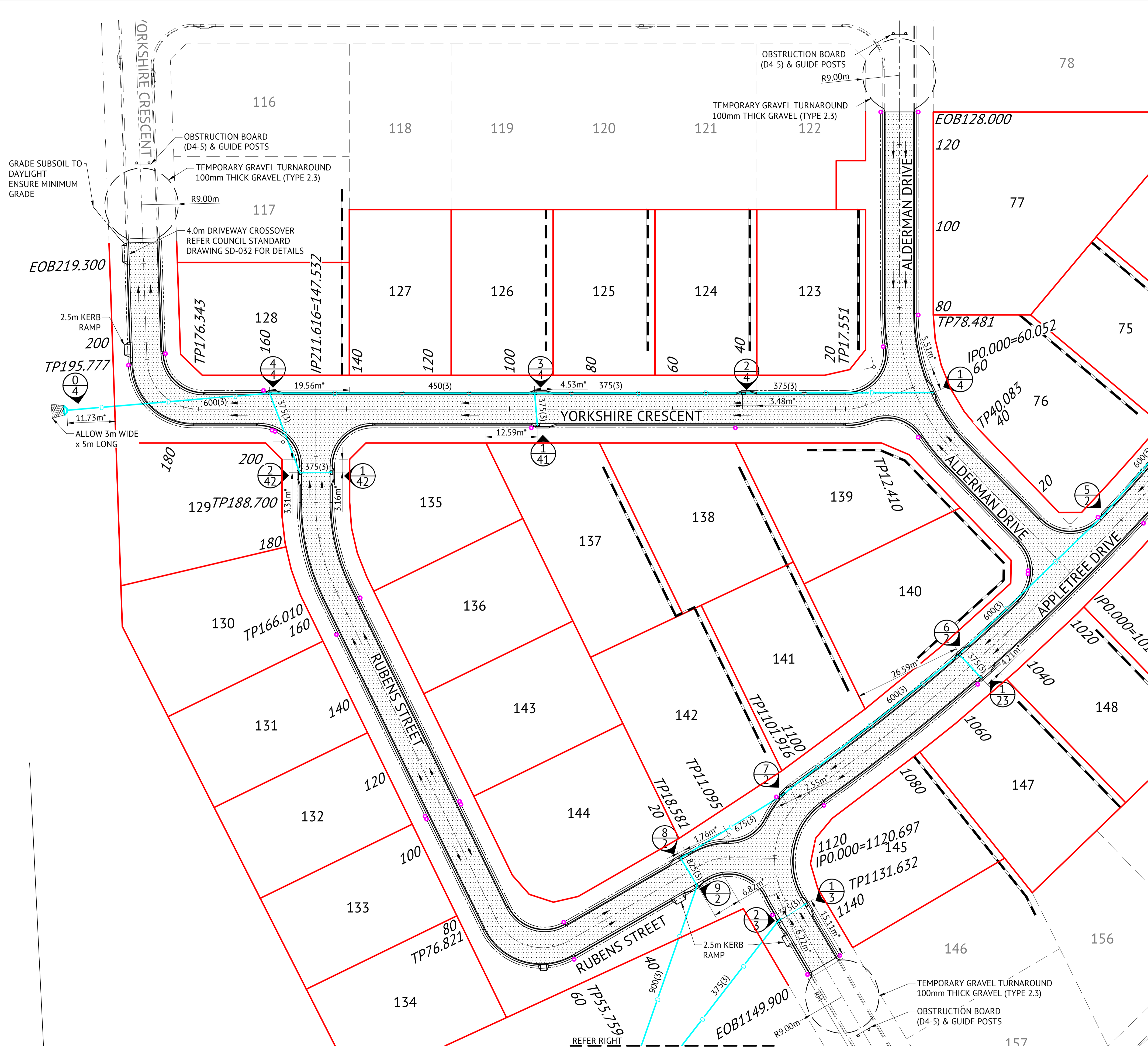
BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) inasmuch as they have been constructed for subdivision.

Director: Date: 3-11-21

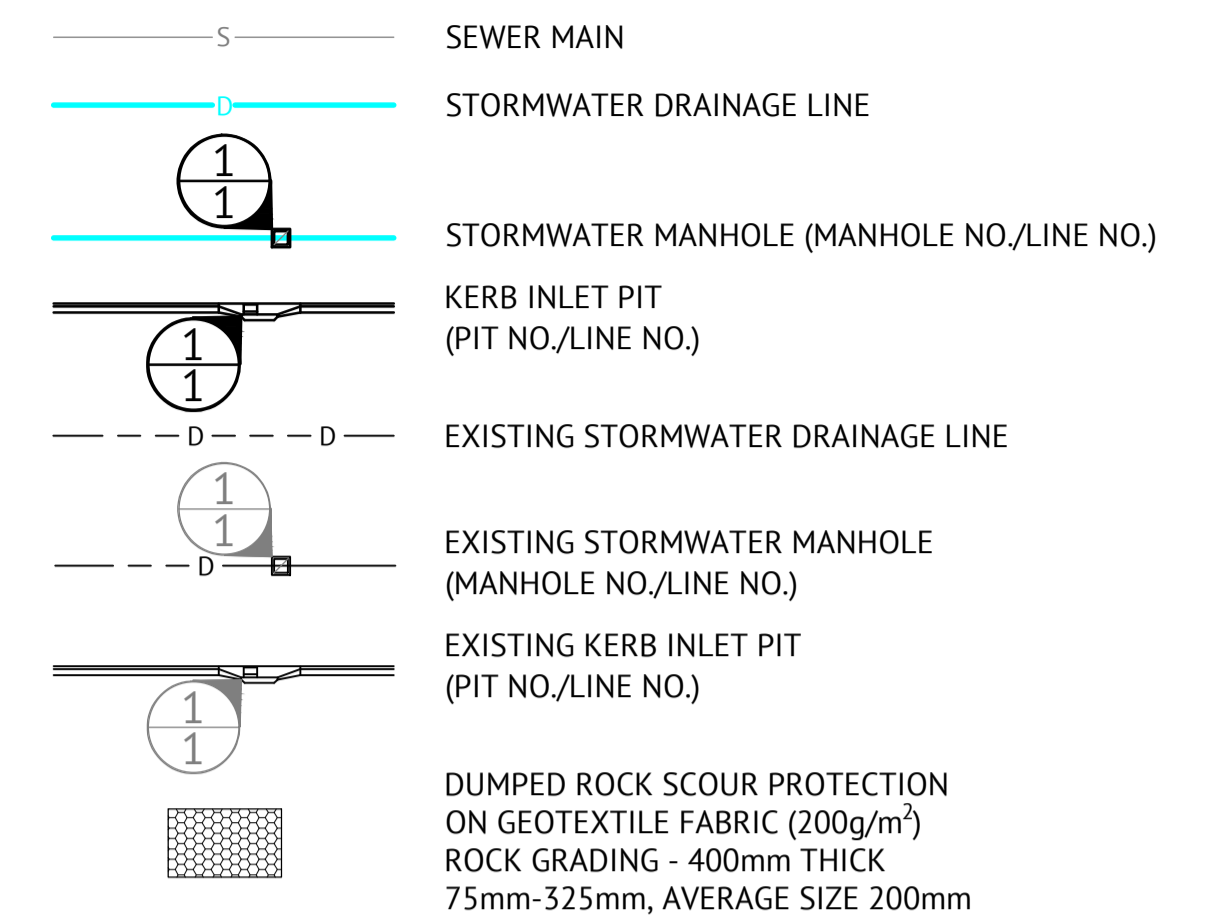


Client:	ELEMENTS NQ PTY LTD	Date: 3 November 2021
Project:	AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN	Sheet 1 of 1 Sheets
	ROADWORKS & STORMWATER DRAINAGE PLAN - 2 OF 3	Scale: AS SHOWN A1
Local Authority: Townsville City Council	Locality:	Plan No: 27687/134 A

braziermotti.com.au
SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS



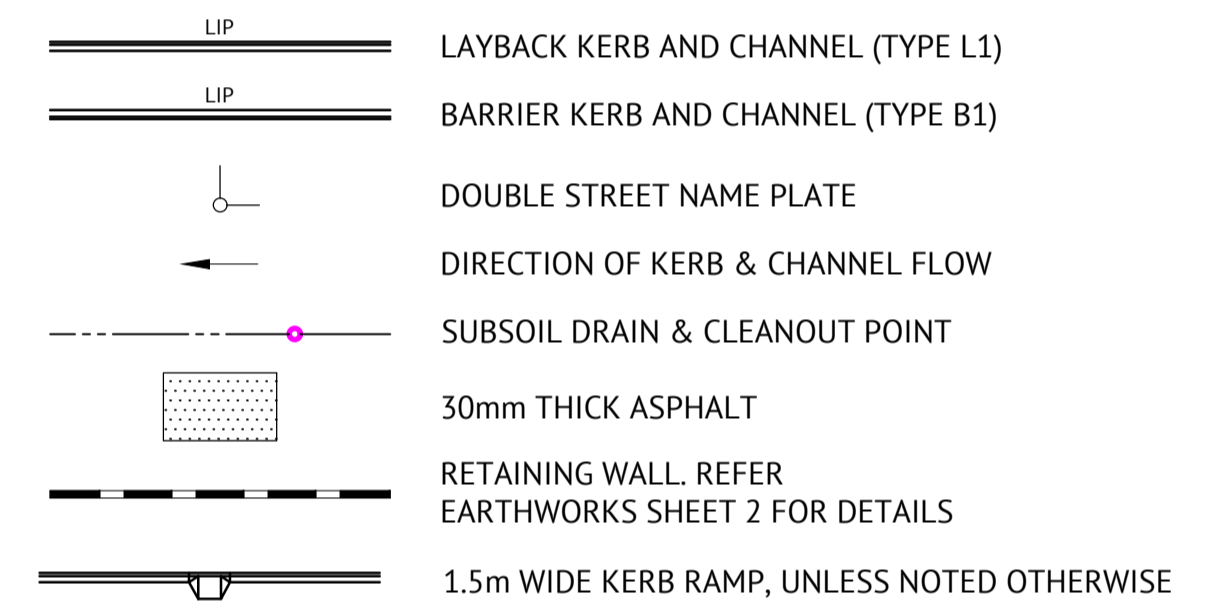
STORMWATER LEGEND:



STORMWATER NOTES

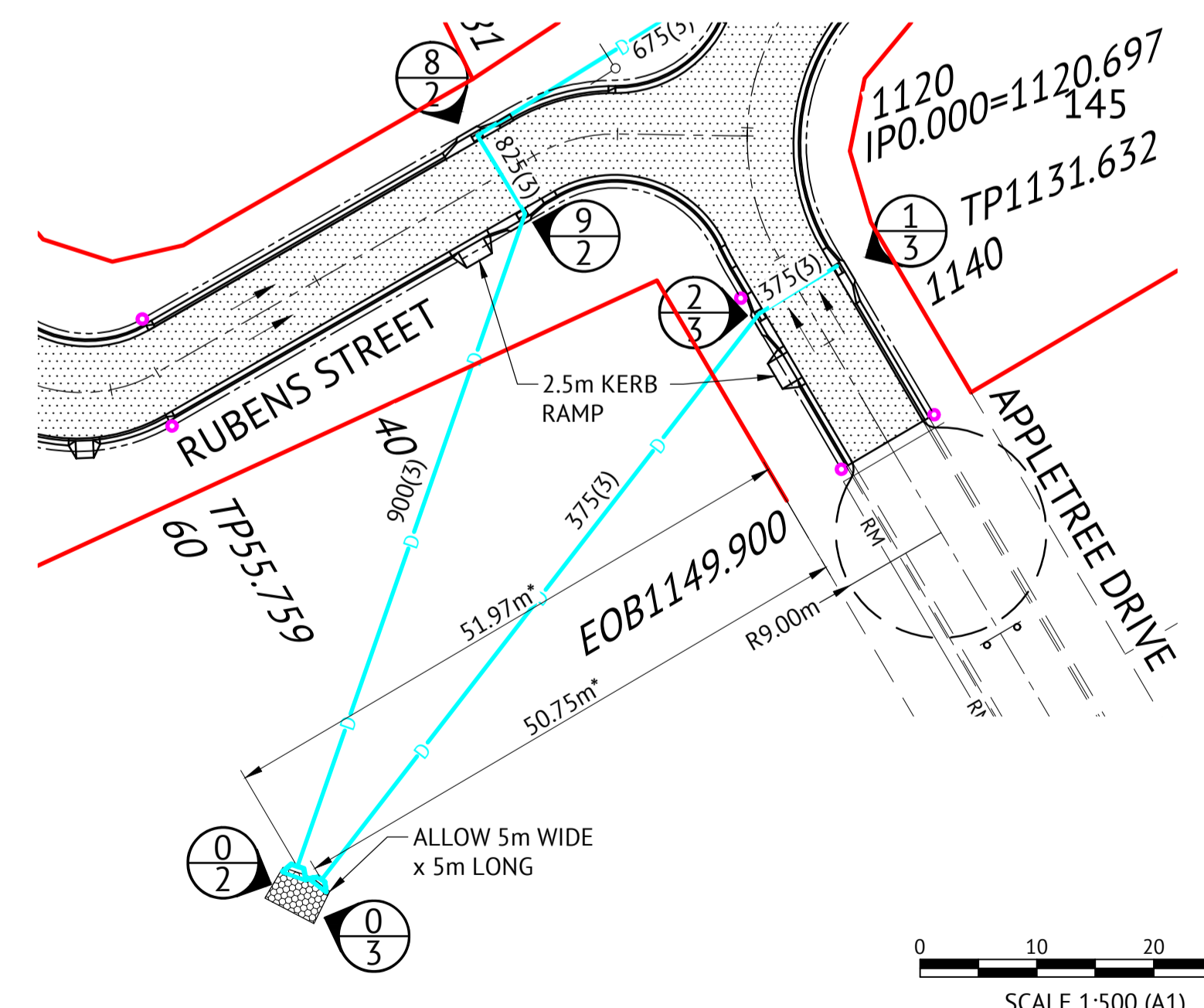
1. ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
2. FOR STORMWATER LEVELS, PIPE LENGTHS, PIPE CLASS AND STRUCTURE TYPES, REFER STORMWATER LONGITUDINAL DRAWINGS.
3. ALL PIPE CUTS MADE USING A MASONRY SAW.
4. ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.

ROADWORKS LEGEND



ROADWORKS NOTES

1. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736
 Meridian: N: 94092.020
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_135A.dwg

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) as they have been constructed for subdivision.

Director: _____ Date: 3-11-21

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE: _____ Date: .09/11/2021

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ ... 13231
 DATE ..10/11/21

Client: **ELEMENTS NQ PTY LTD**
 Project: **AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN ROADWORKS & STORMWATER DRAINAGE PLAN - 3 OF 3**

Date: 3 November 2021
 Sheet 1 of 1 Sheets
 Scale: AS SHOWN A1
 Plan No: 27687/135 A

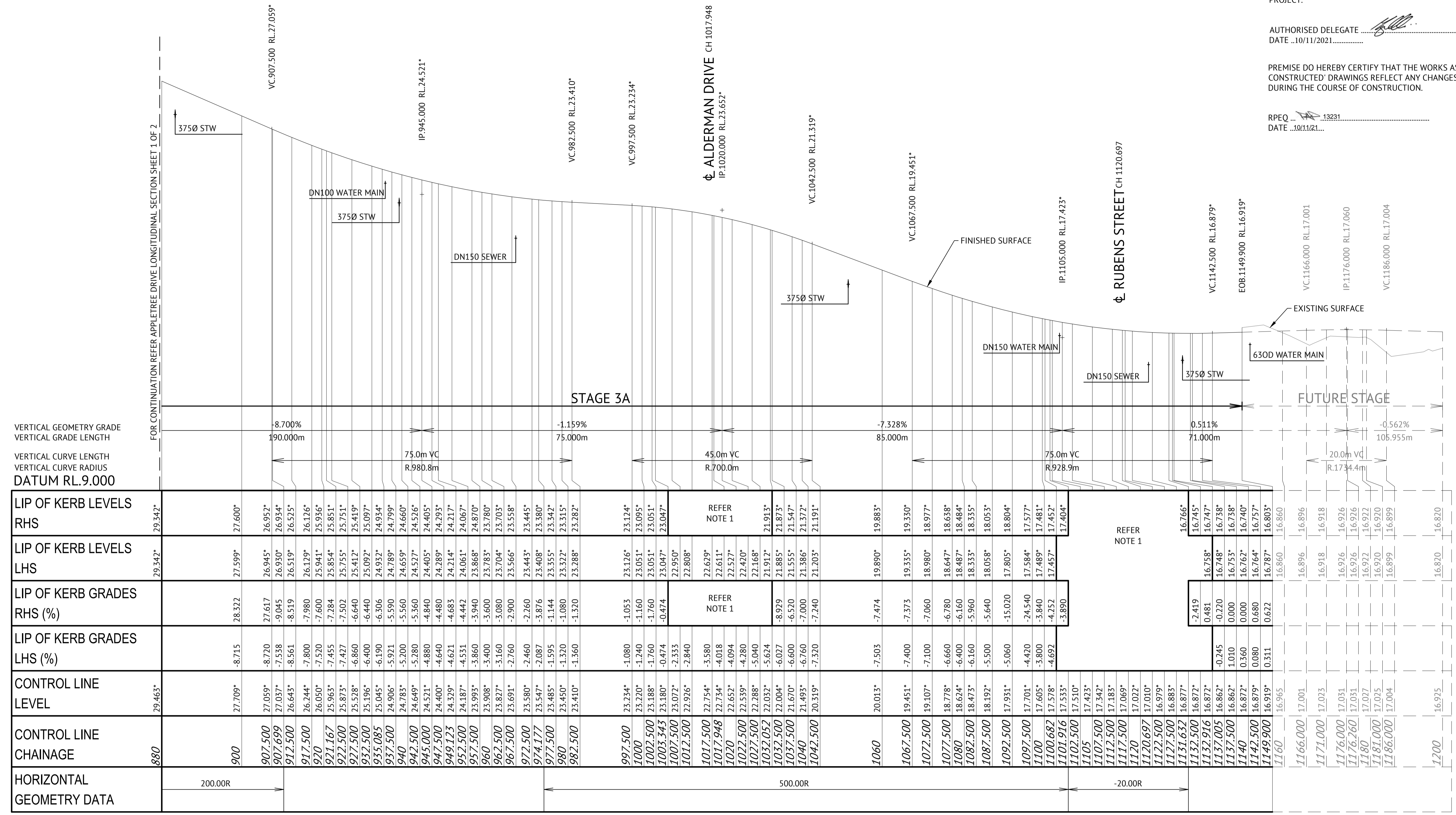
braziermotti.com.au
 SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
DATE ..10/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ ... 13231
DATE ..10/11/21.....



APPLETREE DRIVE LONGITUDINAL SECTION

SCALE 1:500 HORIZONTAL, SCALE 1:100 VERTICAL

No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

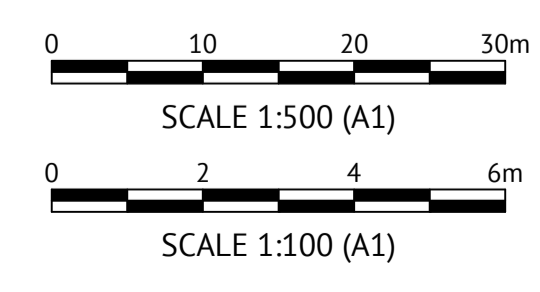
Level Datum: AHD (DERIVED)
B.M. Used: PM200736
Coordinate Projection: Plane
Coordinate Datum: Arbitrary
Origin of Coordinates: PM200736
Meridian: N
Map Reference:
Contour Interval:
Job No: 27687-068-01
File No: 27687_137A.dwg

E: 62389.140
N: 94092.020

Surveyed by: BM
Drawn: MJM
Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) if the works they have been constructed for subdivision.

Director
3-11-21
Date

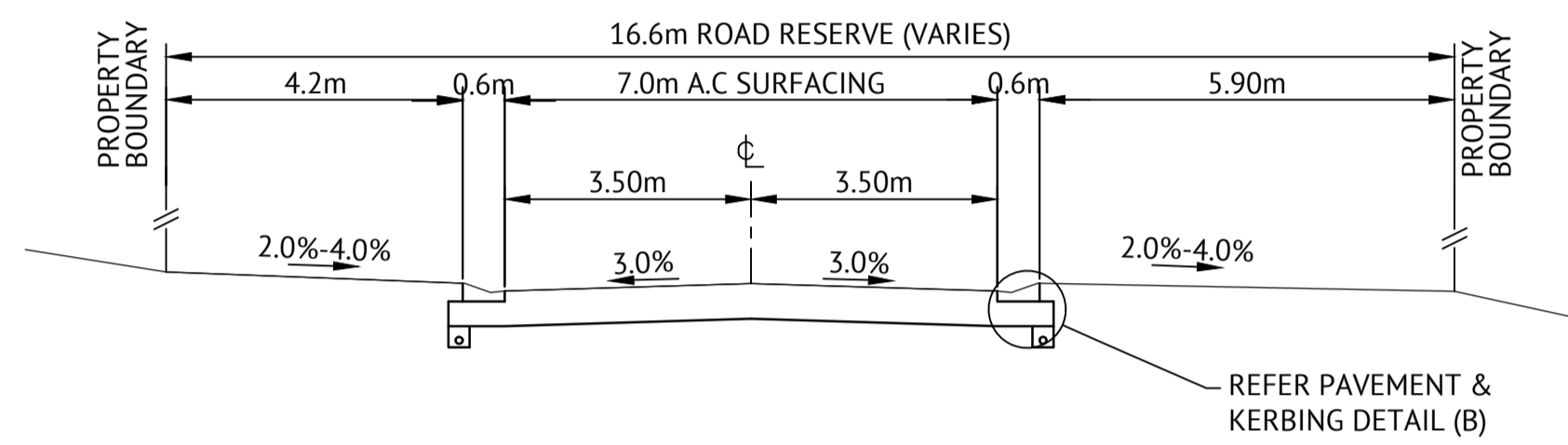


Client: ELEMENTS NQ PTY LTD
Project: AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN
APPLETREE DRIVE LONGITUDINAL SECTION - SHEET 2 OF 2

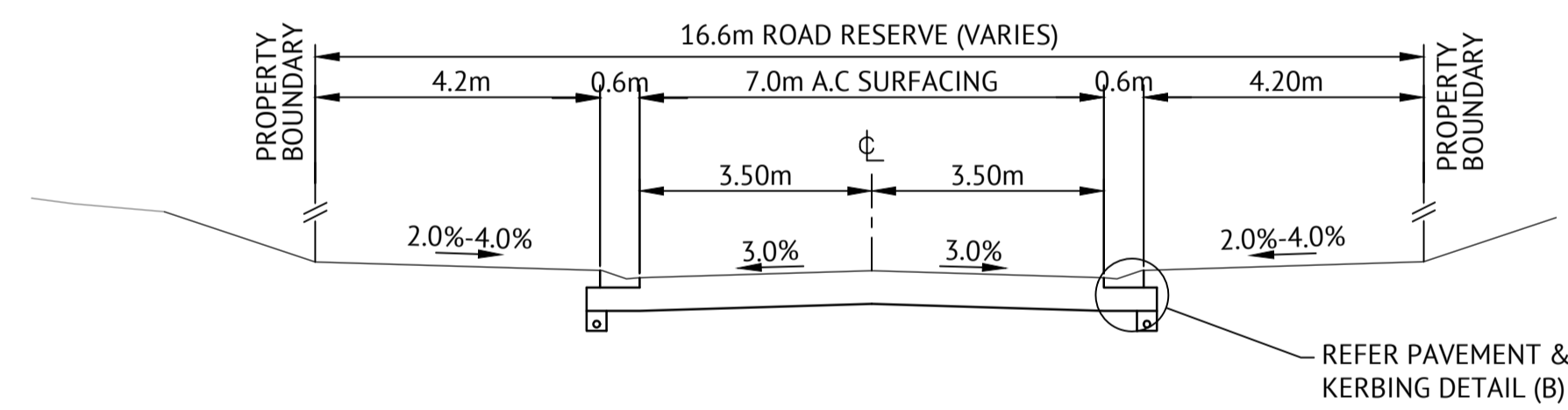
Local Authority: Townsville City Council
Locality:

Date: 3 November 2021
Sheet 1 of 1 Sheets
Scale: AS SHOWN
Plan No: 27687/137 A

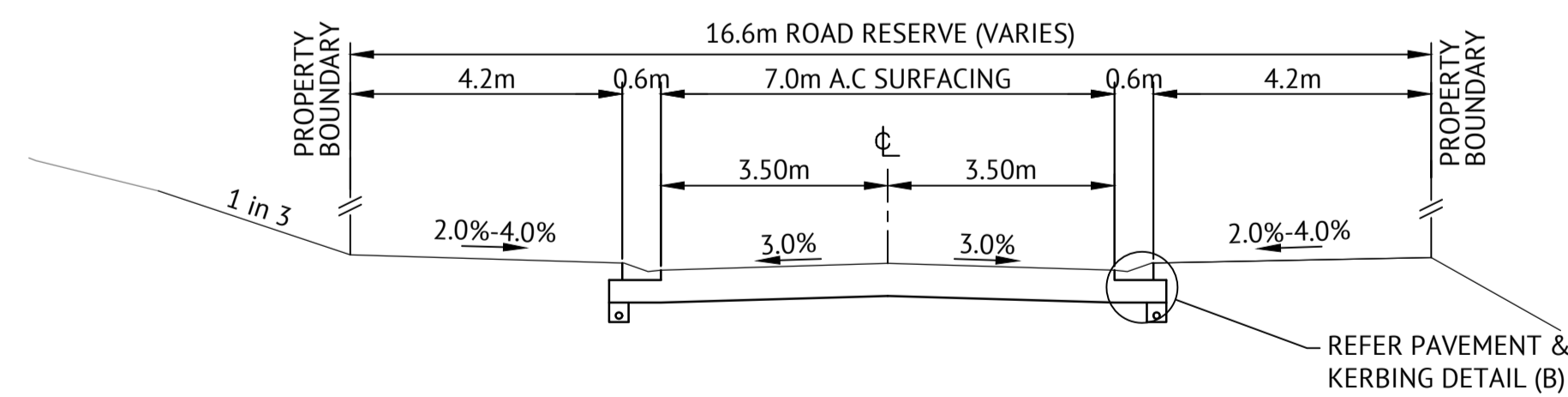
braziermott
braziermott.com.au
SURVEYING
TOWNPLANNING
PROJECTMANAGEMENT
MAPPING&GIS



TYPICAL SECTION CH.1132.916 - CH.1149.900

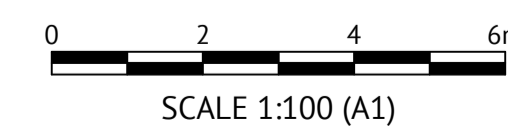


TYPICAL SECTION CH. 655.076 - CH.1132.916



TYPICAL SECTION CH. 655.076 - CH.1132.916
APPLETREE DRIVE CROSS SECTIONS

SCALE 1:100



MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
DATE ..10/11/2021.....

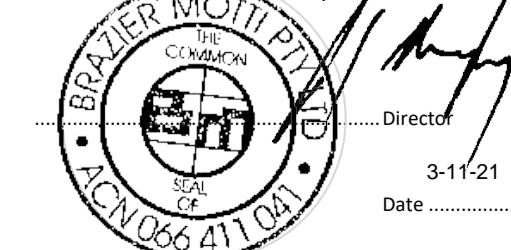
PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ 13231
DATE ..10/11/21..

No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
B.M. Used: PM200736
Coordinate Projection: Plane
Coordinate Datum: Arbitrary
Origin of Coordinates: PM200736 E: 62389.140
Meridian: N: 94092.020
Map Reference:
Contour Interval: Surveyed by: BM
Job No: 27687-068-01 Drawn: MJM
File No: 27687_138A.dwg Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) as they have been constructed for subdivision.



Client:	ELEMENTS NQ PTY LTD
Project:	AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN APPLETREE DRIVE CROSS SECTIONS
Local Authority: Townsville City Council	Locality:

Date: 3 November 2021
Sheet 1 of 1 Sheets
Scale: AS SHOWN A1
Plan No: 27687/138 A
braziermotti.com.au
SURVEYING TOWNPLANNING PROJECT MANAGEMENT MAPPING & GIS

braziermotti



APPROVED PAVEMENT DESIGN APPROVED PAVEMENT DESIGN

ALDERMAN DRIVE 00-80.000

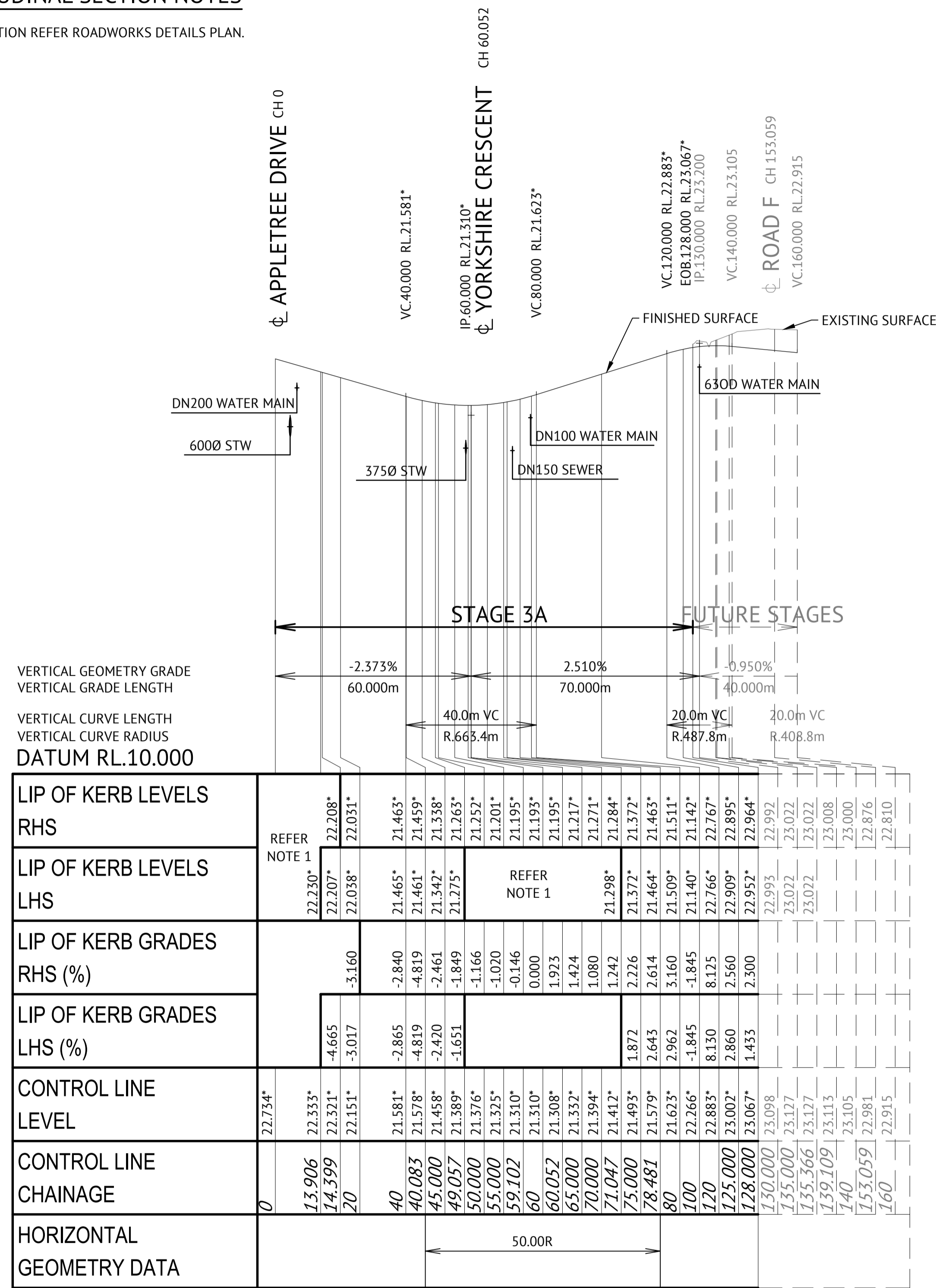
30mm ASPHALT SURFACING (AC10M)
PRIME COAT 1.1L/m² (AMCO)
125mm BASE COURSE (DMR TYPE 2.1)
125mm SUB BASE COURSE (DMR TYPE 2.3)

ALDERMAN DRIVE 80.000-128.000

30mm ASPHALT SURFACING (AC10M)
PRIME COAT 1.1L/m² (AMCO)
125mm BASE COURSE (DMR TYPE 2.1)
125mm SUB BASE COURSE (DMR TYPE 2.3)(UCS 0.8 to 1.5MPa)
150mm SUB GRADE REPLACEMENT (DMR TYPE 2.3)(UCS > 1.5MPa)

ROAD LONGITUDINAL SECTION NOTES

1. FOR LEVEL INFORMATION REFER ROADWORKS DETAILS PLAN.



ALDERMAN DRIVE LONGITUDINAL SECTION

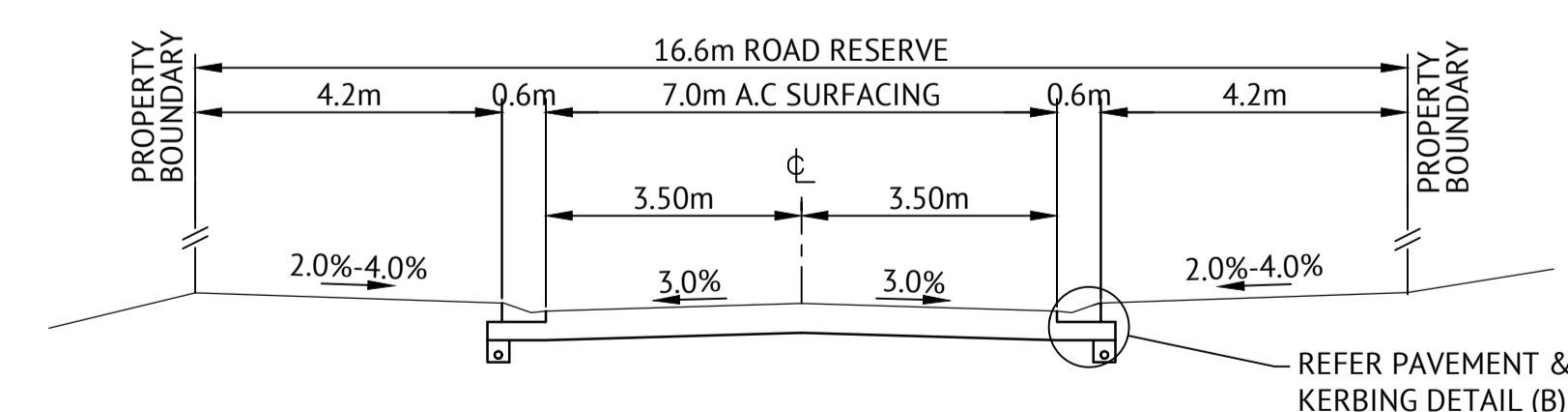
SCALE 1:1000 HORIZONTAL, SCALE 1:100 VERTICAL

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
DATE 10/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ 13231
DATE 10/11/21.....



ALDERMAN DRIVE CROSS SECTIONS

SCALE 1:100

No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

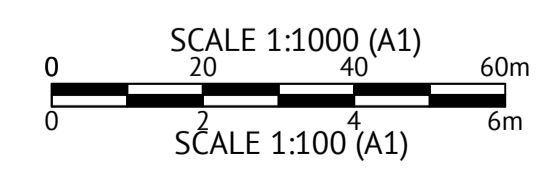
Level Datum: AHD (DERIVED)
B.M. Used: PM200736
Coordinate Projection: Plane
Coordinate Datum: Arbitrary
Origin of Coordinates: PM200736
Meridian: N
Map Reference:
Surveyed by: BM
Contour Interval:
Job No: 27687-068-01
File No: 27687_140A.dwg

E: 62389.140
N: 94092.020

Drawn: MJM
Approved:

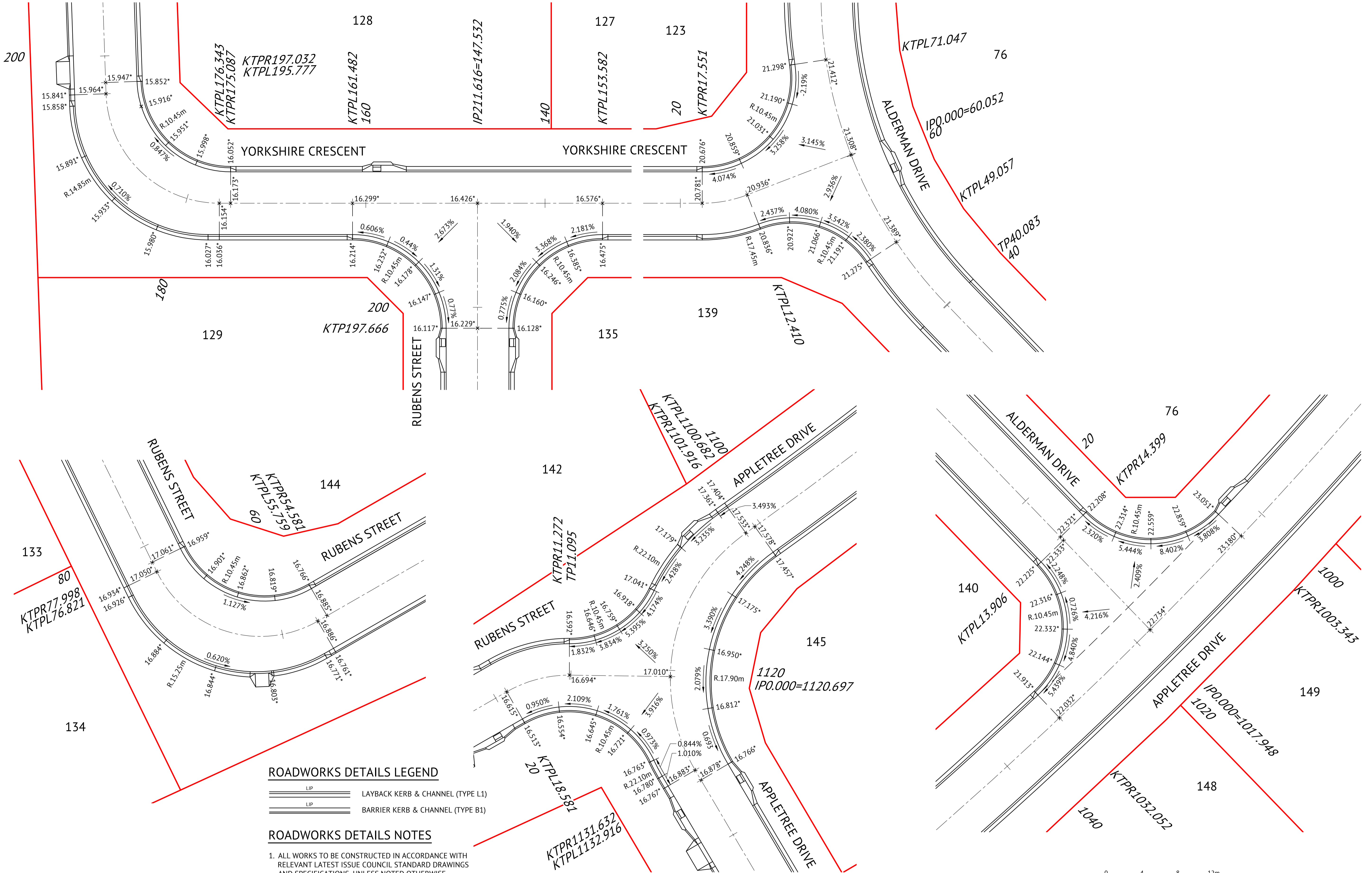
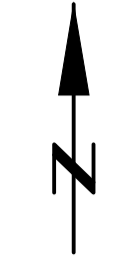
BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) inasmuch as they have been constructed for subdivision.

3-11-21
Date



Client: ELEMENTS NQ PTY LTD
Project: AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN
ALDERMAN DRIVE LONGITUDINAL & CROSS SECTIONS
Local Authority: Townsville City Council
Locality:

Date: 3 November 2021
Sheet 1 of 1 Sheets
Scale: AS SHOWN
Plan No: 27687/140 A
braziermotti.com.au
SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS

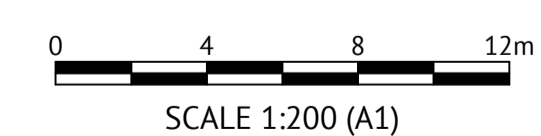


ROADWORKS DETAILS LEGEND

- LAYBACK KERB & CHANNEL (TYPE L1)
- BARRIER KERB & CHANNEL (TYPE B1)

ROADWORKS DETAILS NOTES

1. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
2. ALL RADII, SETOUT AND LEVEL INFORMATION IS TO LIP OF KERB UNLESS NOTED OTHERWISE.




No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736
 Meridian: N
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_143A.dwg

E: 62389.140
 N: 94092.020

Surveyed by: BM
 Drawn: MJM
 Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) herein as they have been constructed for subdivision.



Director
 Date: 3-11-21

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
 DATE ..10/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ ... 13231
 DATE ..10/11/21...


Client: **ELEMENTS NQ PTY LTD**

Project: **AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN ROADWORKS DETAILS PLAN**

Local Authority: Townsville City Council Locality:

Date: 3 November 2021
 Sheet 1 of 1 Sheets
 Scale: AS SHOWN A1
 Plan No: 27687/143 A

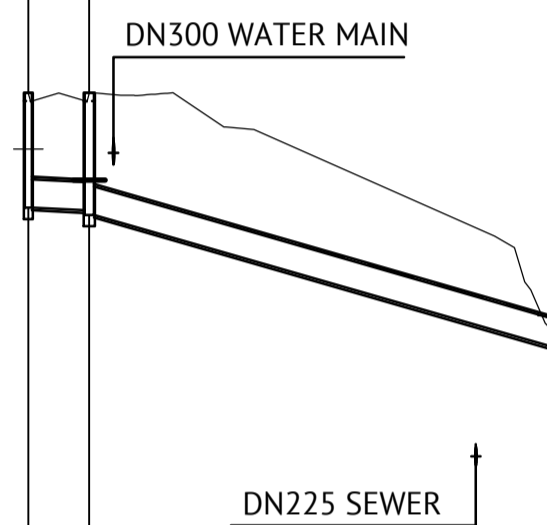
braziermotti.com.au
 SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS



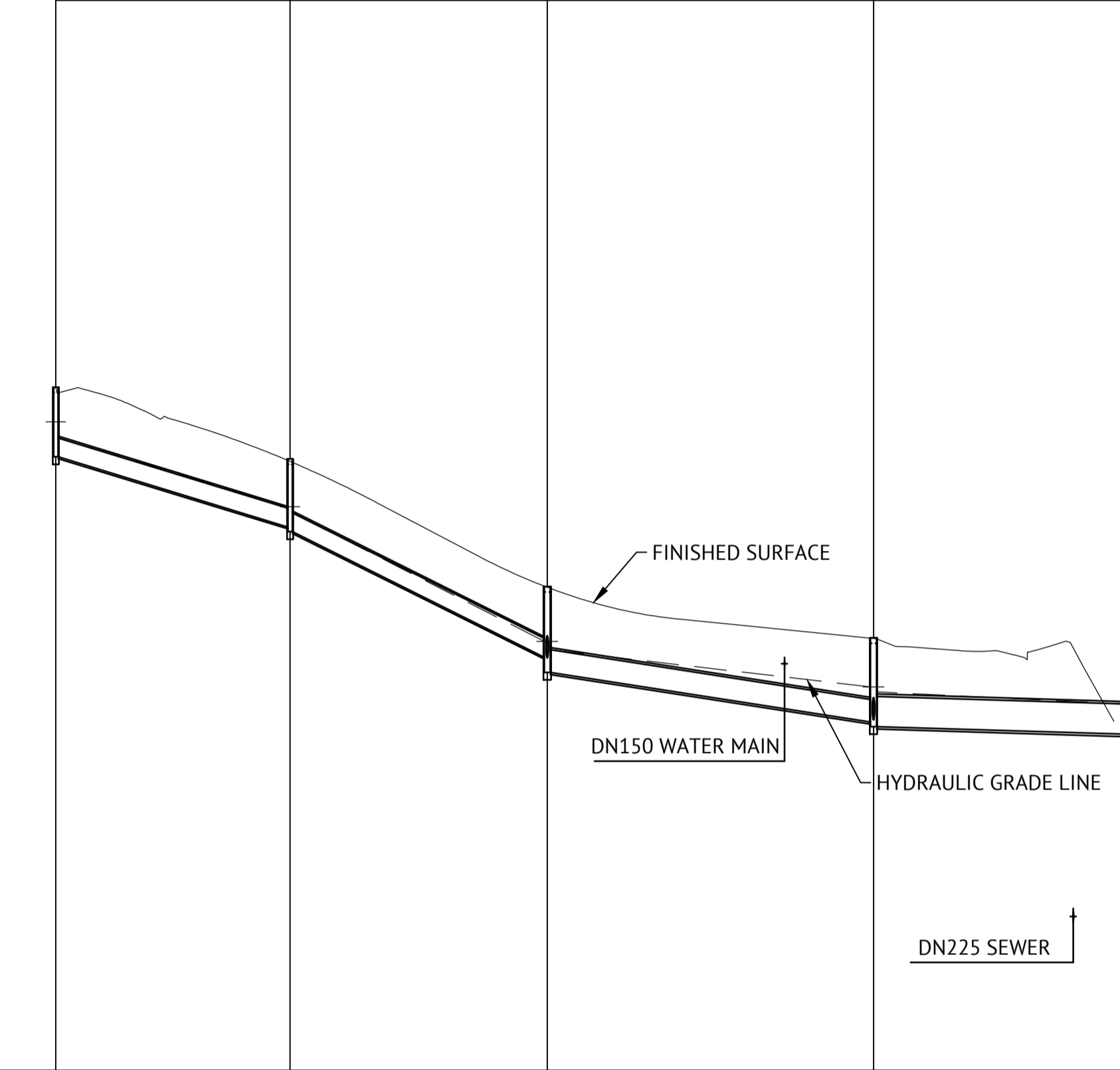
STRUCTURE NAME	1/3	2/3	0/3
STRUCTURE DESCRIPTION	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	OUTLET

LEGEND

TRENCH STOPS
REFER TCC STD DWG SD-482



1/4	2/4	3/4	4/4	0/4
TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	PRECAST CONCRETE HEADWALL



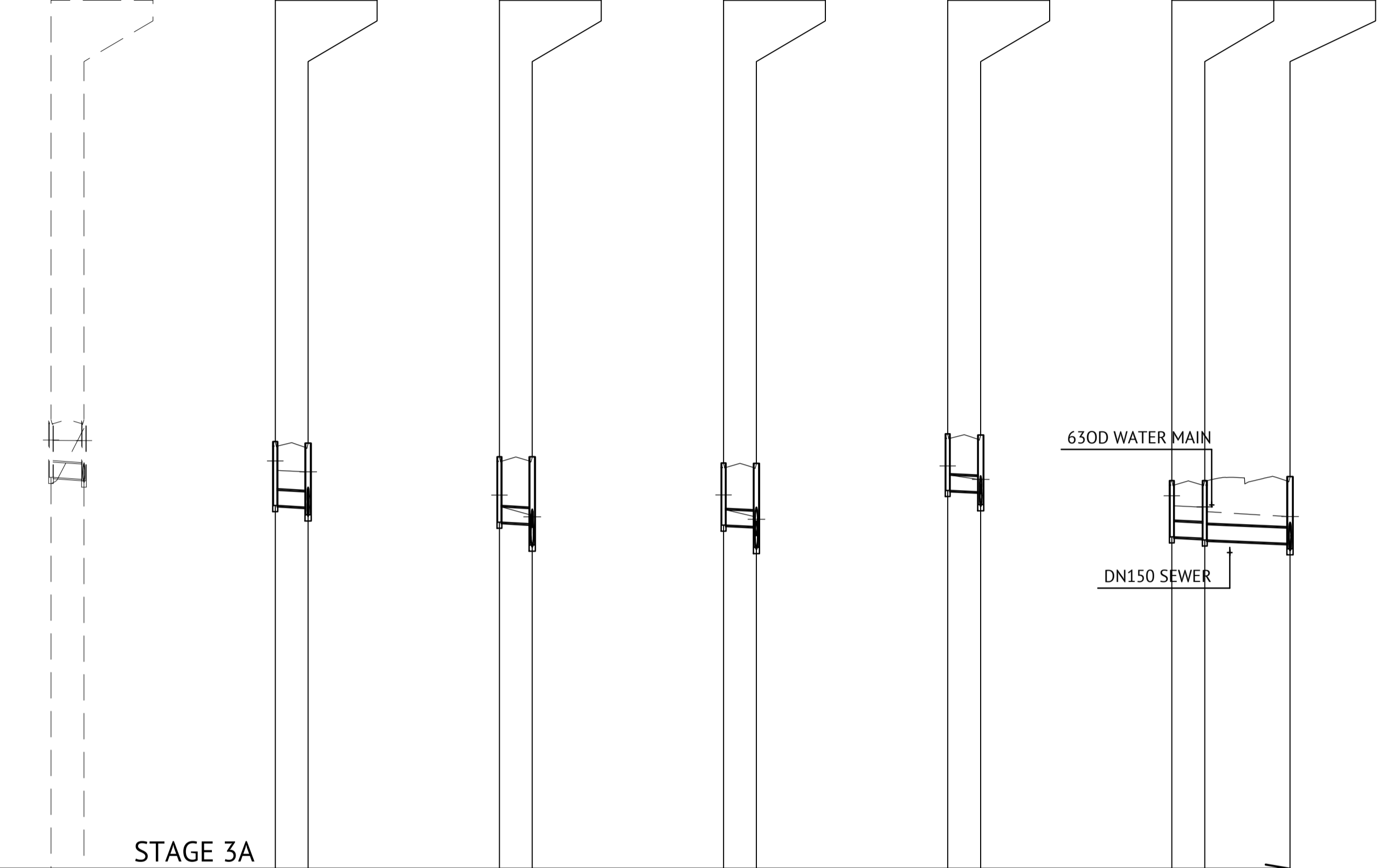
PIPE SIZE (mm)	375	375
PIPE CLASS	3	3
PIPE GRADE (%)	0.333%	3.005%
PIPE SLOPE (1 in X)	300.385	33.280
FULL PIPE VELOCITY (m/s)	1.05	1.25
PART FULL VELOCITY (m/s)	1.19	2.63
PIPE FLOW (cumecs)	0.116	0.138
PIPE CAPACITY AT GRADE (cumecs)	0.116	0.296
DATUM RL	-2.0	

1.0				
375	375	450	600	
3	3	3	3	
2.994%	4.819%	1.527%	0.349%	
33.398	20.751	65.483	286.202	
0.89	1.27	1.64	1.51	
2.46	3.23	2.42	1.51	
0.099	0.141	0.261	0.427	
0.304	0.388	0.352	0.336	

WSE IN STRUCTURE	16.106	15.693	13.900
HGL IN PIPE	15.728	15.693	13.900
DEPTH OF INVERT BELOW FSL	1.488	1.539	1.470
INVERT LEVEL	15.354*	15.328*	13.470*
FINISHED SURFACE LEVEL	16.842*	16.867*	
PIPE LENGTH	7.810*	60.769*	

20.614	18.928	16.249	15.339	15.000
20.295	18.928	16.249	15.339	15.000
1.415	1.397	1.408	1.637	
19.883*	18.484*	15.946*	14.668*	14.395*
21.298*	19.881*	17.354*	16.305*	
	18.406*	15.661*	14.568*	
		16.080	15.241	
46.724*	51.048*	65.025*	49.513*	

1/11	3/1	1/21	3/2	1/22	4/2	1/23	6/2	1/41	3/4	1/42	2/42	4/4
TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 3.6m LINTEL; MH TYPE 1	TCC INLET PIT 3.6m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 2	TCC INLET PIT 3.6m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 2	TCC INLET PIT 3.6m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1	TCC INLET PIT 2.4m LINTEL; MH TYPE 1



9.0		12.0		8.0		4.0		0.0		0.0		
375	375	375	375	375	375	375	375	375	375	375	375	375
3	3	3	3	3	3	3	3	3	3	3	3	3
0.62%	2.184%	0.802%	0.483%	0.140%	0.473%	0.354%						
161.2	45.789	124.651	206.868	714.545	211.459	282.162						
0.20	1.06	0.83	1.00	0.70	1.03	1.19						
0.92	1.27	1.22	1.19	1.12	1.19	1.19						
0.022	0.118	0.091	0.111	0.077	0.114	0.131						
0.138	0.123	0.124	0.116	0.115	0.116	0.112						

26.216	26.206	28.702	23.863	19.871	16.582	15.846						
26.727	26.206	28.472	23.575	19.505	16.355	15.603						
1.427	1.477	1.605	1.583	1.524	1.415	1.366						
25.300	25.250	27.584*	23.195*	19.123*	15.957*	14.859*						
26.727	25.210	27.413*	23.132*	19.085*	15.946*	14.822*						
	25.585	27.246*	22.622*	18.541*	15.661*	14.767*						
		27.755	23.240	19.180	16.080	15.456						
8.060	7.830*	7.853*	7.861*	7.860*	7.824*	20.880*						

Q2 STORMWATER LONGITUDINAL SECTION
SCALE 1:1000 HORIZONTAL, SCALE 1:100 VERTICAL



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)	B.M. Used: PM200736	Coordinate Projection: Plane	Origin of Coordinates: PM200736	E: 62389.140	N: 94092.020
Map Reference:	Contour Interval:	Surveyed by: BM	Job No: 27687-068-01	Drawn: MJM	Approved:
File No: 27687_145A.dwg					

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) hereon as they have been constructed for subdivision.

Director: _____ Date: 3-11-21

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE: _____
DATE: 10/11/2021

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ: 13231
DATE: 10/11/21

Client: **ELEMENTS NQ PTY LTD**

Project: **AS CONSTRUCTED - THE ORCHARD 3A
DARLING ROAD, JENSEN
Q2 STORMWATER LONGITUDINAL SECTION - SHEET 2 OF 2**

Local Authority: Townsville City Council

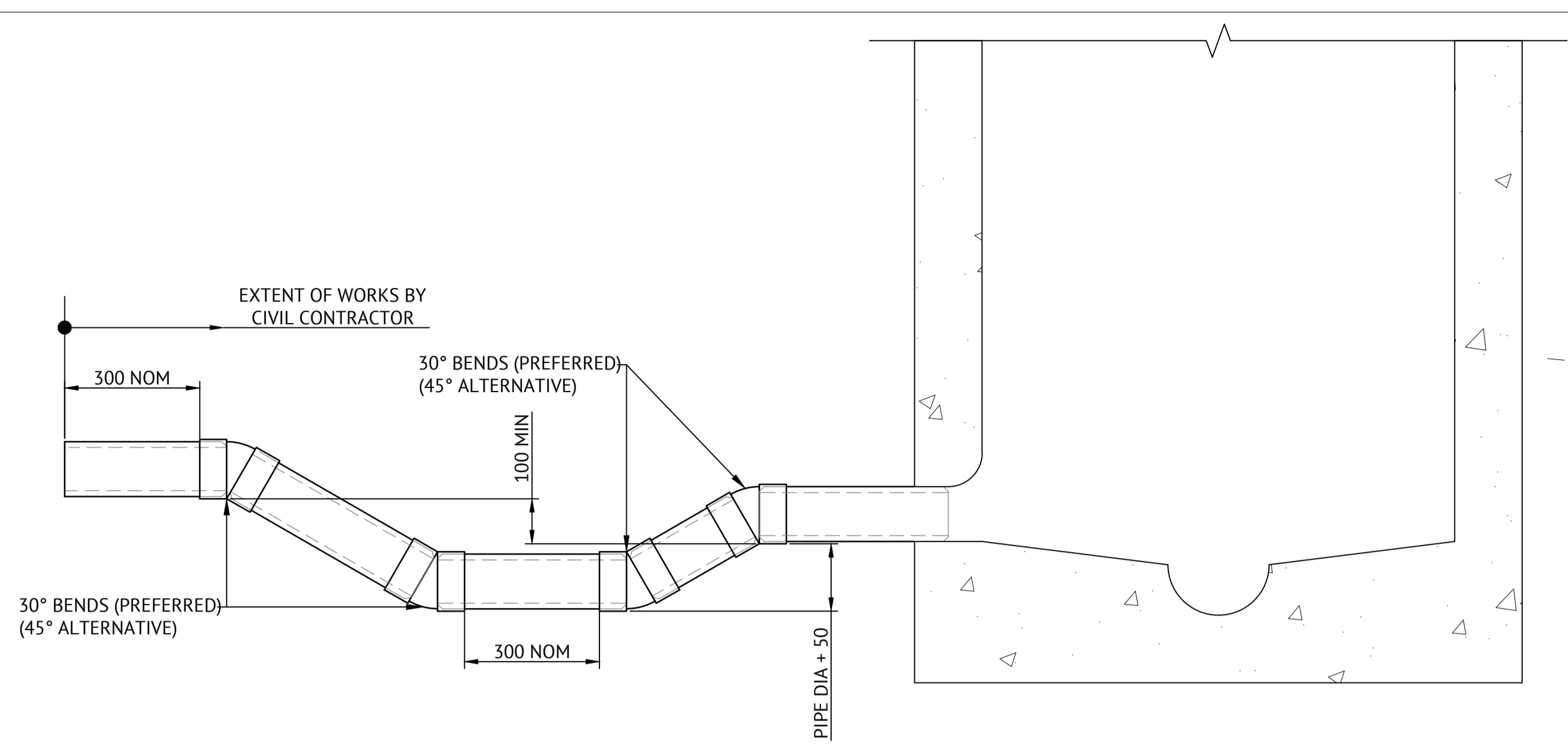
Date: 3 November 2021

Sheet 1 of 1 Sheets

Scale: AS SHOWN

Plan No: 27687/145 A

braziermotti.com.au



WATER SEAL ON PROPERTY CONNECTION SEWER

SCALE 1:10mm

WATER LEGEND

- DN100 WATER MAIN AND DIAMETER
- 630D POLYETHYLENE WATER MAIN AND DIAMETER
- FH SV FIRE HYDRANT, VALVE AND REDUCER
- T PROPOSED TRENCH STOP
- EXISTING WATER MAIN, VALVE AND HYDRANT

WATER NOTES

1. ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND PROJECT SPECIFICATION.
2. ALL WATER MAINS ARE LOCATED ON A 1.8m ±0.1m ALIGNMENT OFFSET FROM PROPERTY BOUNDARIES, UNLESS NOTED OTHERWISE.
3. ALL FIRE HYDRANTS LOCATED PERPENDICULAR TO PROPERTY BOUNDARY UNLESS NOTED OTHERWISE.
4. ALL uPVC MAINS ARE CLASS PN16 SERIES 2 COMPATIBLE TO AS 1477 RUBBER RING JOINTED, WITH SOCKETED DICL FITTINGS UNLESS NOTED OTHERWISE.
5. ALL 630D MAINS POLYETHYLENE CLASS PN16 TO AS 4130.
6. ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.
7. REFER TCC STANDARD DRAWING SD-315 FOR PVC TO PE SERVICE MAIN CONNECTION DETAIL.
8. CONNECTION TO EXISTING WATER MAINS CARRIED OUT BY COUNCIL AT THE CONTRACTORS EXPENSE.

SEWER LEGEND

- STORMWATER DRAINAGE LINE
- SEWER MAIN AND MANHOLE (MH)
- SEWER MAIN AND MAINTENANCE SHAFT (MS)
- DN100 SEWER HOUSE DRAIN
- SEWER RISING MAIN 0.9m OFFSET FROM BOK REFER ELE-0011 FOR DETAILS
- EXISTING SEWER MAIN AND MANHOLE
- CERTIFIED TYPE & INDICATIVE TOP OF MANHOLE LEVEL MANHOLE NUMBER LINE NUMBER
- HOUSE CONNECTION (X&Y DIMENSIONS AS PER RELEVANT COUNCIL STANDARD DRAWING U.N.O.)

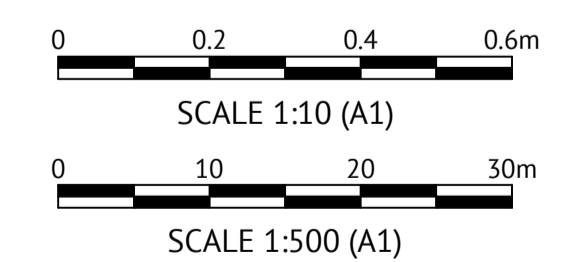
- CERTIFIED DISTANCE FROM DOWNSTREAM MANHOLE CERTIFIED INVERT LEVEL OF HOUSE CONNECTION POINT HOUSE CONNECTION TYPE
- TYPE A - ACROSS BOUNDARY 'SLOPE DROP'
- TYPE B - ACROSS BOUNDARY 'JUMP UP'
- TYPE C - WITHIN LOT 'DIRECT CONNECTION'
- TYPE D - WITHIN LOT 'JUMP UP'
- TYPE E - MANHOLE 'DIRECT CONNECTION'
- TYPE F - MANHOLE 'INTERNAL DROP'
- TYPE G - MAINTENANCE SHAFT CONNECTION TYPE Ex. - EXISTING HOUSE CONNECTION

SEWER NOTES

1. ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND PROJECT SPECIFICATION
2. ALL SEWERAGE MAINS LOCATED ON 1.5m ±0.1m ALIGNMENT OFFSET FROM THE PROPERTY BOUNDARIES, UNLESS NOTED OTHERWISE.
3. ALL SEWERAGE MAINS DN150, UNLESS NOTED OTHERWISE.
4. ALL DN150 AND DN225 SEWERAGE MAINS TO BE uPVC DWV SN8, UNLESS NOTED OTHERWISE.
5. ALL DN100 HOUSE DRAINS uPVC DWV SN10, UNLESS NOTED OTHERWISE. (MAXIMUM LENGTH 10.0m)
6. ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.
7. CONNECTION/ALTERATIONS TO EXISTING SEWERAGE INFRASTRUCTURE CARRIED OUT BY COUNCIL AT THE CONTRACTORS EXPENSE.
8. ALL MANHOLE INTERNAL DROP 'CORES' ARE NOT LOCATED WITHIN 150mm OF PRECAST WALL JOINTS.
9. TOP OF MANHOLE LEVELS PROVIDED ARE INDICATIVE. REFER TCC STANDARD DRAWING SD-475 FOR FINISHED LEVELS OF MANHOLE COVERS.

WATER TRENCH STOPS (SEPARATED EQUALLY BETWEEN ROAD CHAINAGES)

ROAD NAME	CHAINAGES	# OF TRENCH STOPS
APPLETREE DRIVE	655.076 - 755.000	8
APPLETREE DRIVE	755.000 - 945	16
APPLETREE DRIVE	1020.000 - 1107.500	6
BRAEBURN COURT	15.000 - 65.000	5
CHINOOK CRESCENT	17.500 - 56.900	4
YORKSHIRE CRESCENT	40.000 - 100.000	3



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736
 Meridian: N
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_146A.dwg

E: 62389.140
 N: 94092.020

Surveyed by: BM
 Drawn: MJM
 Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) in the drawings as they have been constructed for subdivision.

[Signature] Director
 Date: 8-11-2021

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE *[Signature]*
 DATE ...10/11/2021...

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

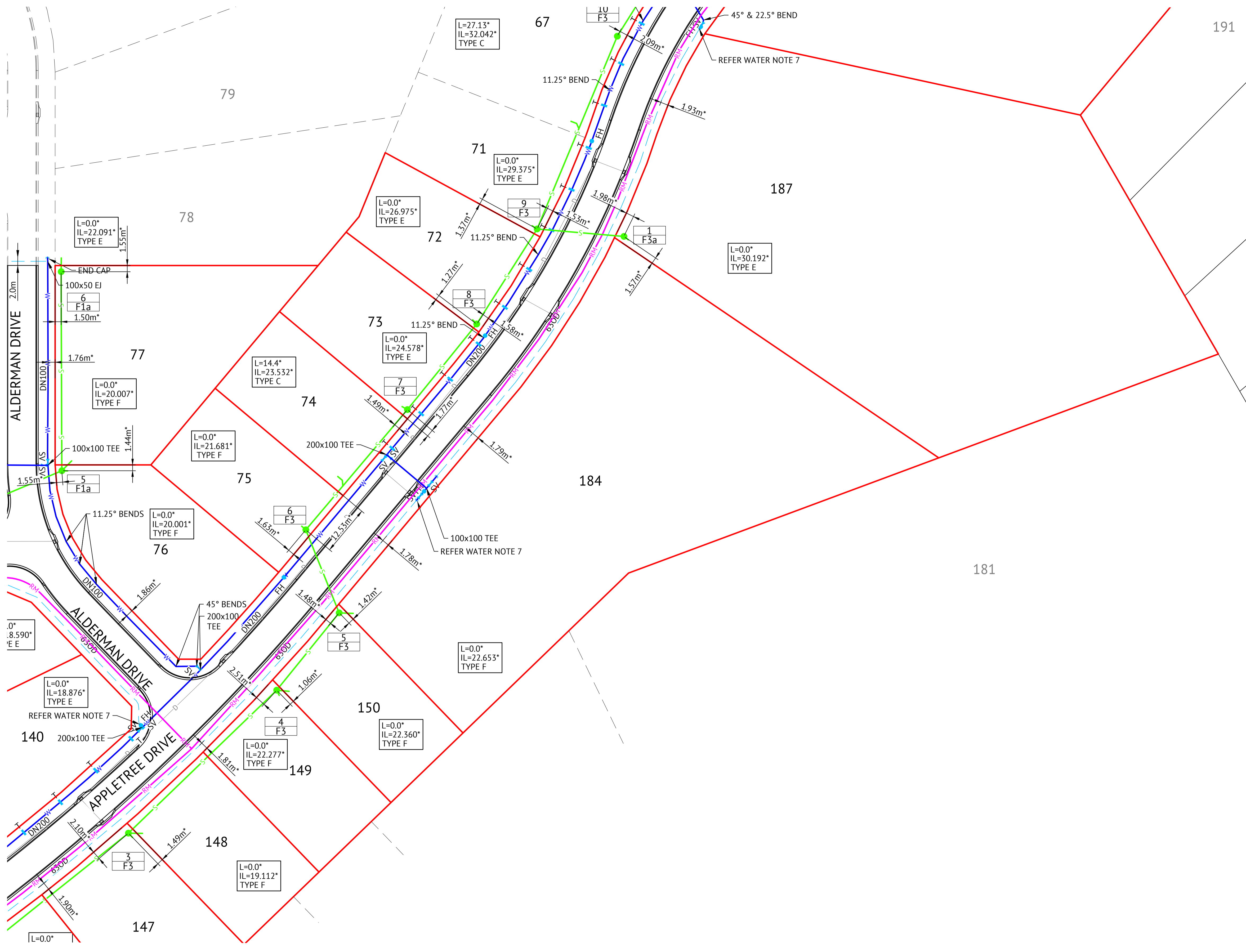
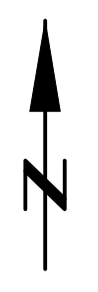
RPEQ *[Signature]* 13231
 DATE ...10/11/21...

Client: ELEMENTS NQ PTY LTD
 Project: AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN
 WATER & SEWERAGE RETICULATION PLAN - SHEET 1 OF 3

Local Authority: Townsville City Council
 Locality:

Date: 3 November 2021
 Sheet 1 of 1 Sheets
 Scale: AS SHOWN
 Plan No: 27687/146 A

braziermotti.com.au
 SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS



WATER LEGEND

- DN100 WATER MAIN AND DIAMETER
- 630D POLYETHYLENE WATER MAIN AND DIAMETER
- FIRE HYDRANT, VALVE AND REDUCER
- PROPOSED TRENCH STOP
- EXISTING WATER MAIN, VALVE AND HYDRANT

WATER NOTES

1. ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND PROJECT SPECIFICATION.
2. ALL WATER MAINS ARE LOCATED ON A 1.8m ±0.1m ALIGNMENT OFFSET FROM PROPERTY BOUNDARIES, UNLESS NOTED OTHERWISE.
3. ALL FIRE HYDRANTS LOCATED PERPENDICULAR TO PROPERTY BOUNDARY UNLESS NOTED OTHERWISE.
4. ALL uPVC MAINS ARE CLASS PN16 SERIES 2 COMPATIBLE TO AS 1477 RUBBER RING JOINTED, WITH SOCKETED DI CL FITTINGS UNLESS NOTED OTHERWISE.
5. ALL 630D MAINS POLYETHYLENE CLASS PN16 TO AS 4130.
6. ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.
7. REFER TCC STANDARD DRAWING SD-315 FOR PVC TO PE SERVICE MAIN CONNECTION DETAIL.
8. CONNECTION TO EXISTING WATER MAINS CARRIED OUT BY COUNCIL AT THE CONTRACTORS EXPENSE.

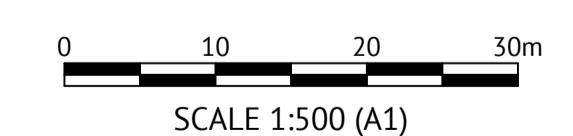
SEWER LEGEND

- STORMWATER DRAINAGE LINE
- SEWER MAIN AND MANHOLE (MH)
- SEWER MAIN AND MAINTENANCE SHAFT (MS)
- DN100 SEWER HOUSE DRAIN
- SEWER RISING MAIN 0.9m OFFSET FROM BOK REFER ELE-0011 FOR DETAILS
- EXISTING SEWER MAIN AND MANHOLE
- CERTIFIED TYPE & INDICATIVE TOP OF MANHOLE LEVEL MANHOLE NUMBER LINE NUMBER
- HOUSE CONNECTION (X&Y DIMENSIONS AS PER RELEVANT COUNCIL STANDARD DRAWING U.N.O.)

- CERTIFIED DISTANCE FROM DOWNSTREAM MANHOLE CERTIFIED INVERT LEVEL OF HOUSE CONNECTION POINT HOUSE CONNECTION TYPE
- TYPE A - ACROSS BOUNDARY 'SLOPE DROP'
- TYPE B - ACROSS BOUNDARY 'JUMP UP'
- TYPE C - WITHIN LOT 'DIRECT CONNECTION'
- TYPE D - WITHIN LOT 'JUMP UP'
- TYPE E - MANHOLE 'DIRECT CONNECTION'
- TYPE F - MANHOLE 'INTERNAL DROP'
- TYPE G - MAINTENANCE SHAFT CONNECTION
- TYPE Ex. - EXISTING HOUSE CONNECTION

SEWER NOTES

1. ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND PROJECT SPECIFICATION
2. ALL SEWERAGE MAINS LOCATED ON 1.5m ±0.1m ALIGNMENT OFFSET FROM THE PROPERTY BOUNDARIES, UNLESS NOTED OTHERWISE.
3. ALL SEWERAGE MAINS DN150, UNLESS NOTED OTHERWISE.
4. ALL DN150 AND DN225 SEWERAGE MAINS TO BE uPVC DWV SN8, UNLESS NOTED OTHERWISE.
5. ALL DN100 HOUSE DRAINS uPVC DWV SN10, UNLESS NOTED OTHERWISE. (MAXIMUM LENGTH 10.0m)
6. ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.
7. CONNECTION/ALTERATIONS TO EXISTING SEWERAGE INFRASTRUCTURE CARRIED OUT BY COUNCIL AT THE CONTRACTORS EXPENSE.
8. ALL MANHOLE INTERNAL DROP 'CORES' ARE NOT LOCATED WITHIN 150mm OF PRECAST WALL JOINTS.
9. TOP OF MANHOLE LEVELS PROVIDED ARE INDICATIVE. REFER TCC STANDARD DRAWING SD-475 FOR FINISHED LEVELS OF MANHOLE COVERS.



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736
 Meridian: N: 94092.020
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_147A.dwg

E: 62389.140
 N: 94092.020

Surveyed by: BM
 Drawn: MJM
 Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) herein as they have been constructed for subdivision.

Director
 Date: 3-11-21

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
 DATE ...10/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ ... 13231
 DATE ...10/11/2021.....

Client: **ELEMENTS NQ PTY LTD**

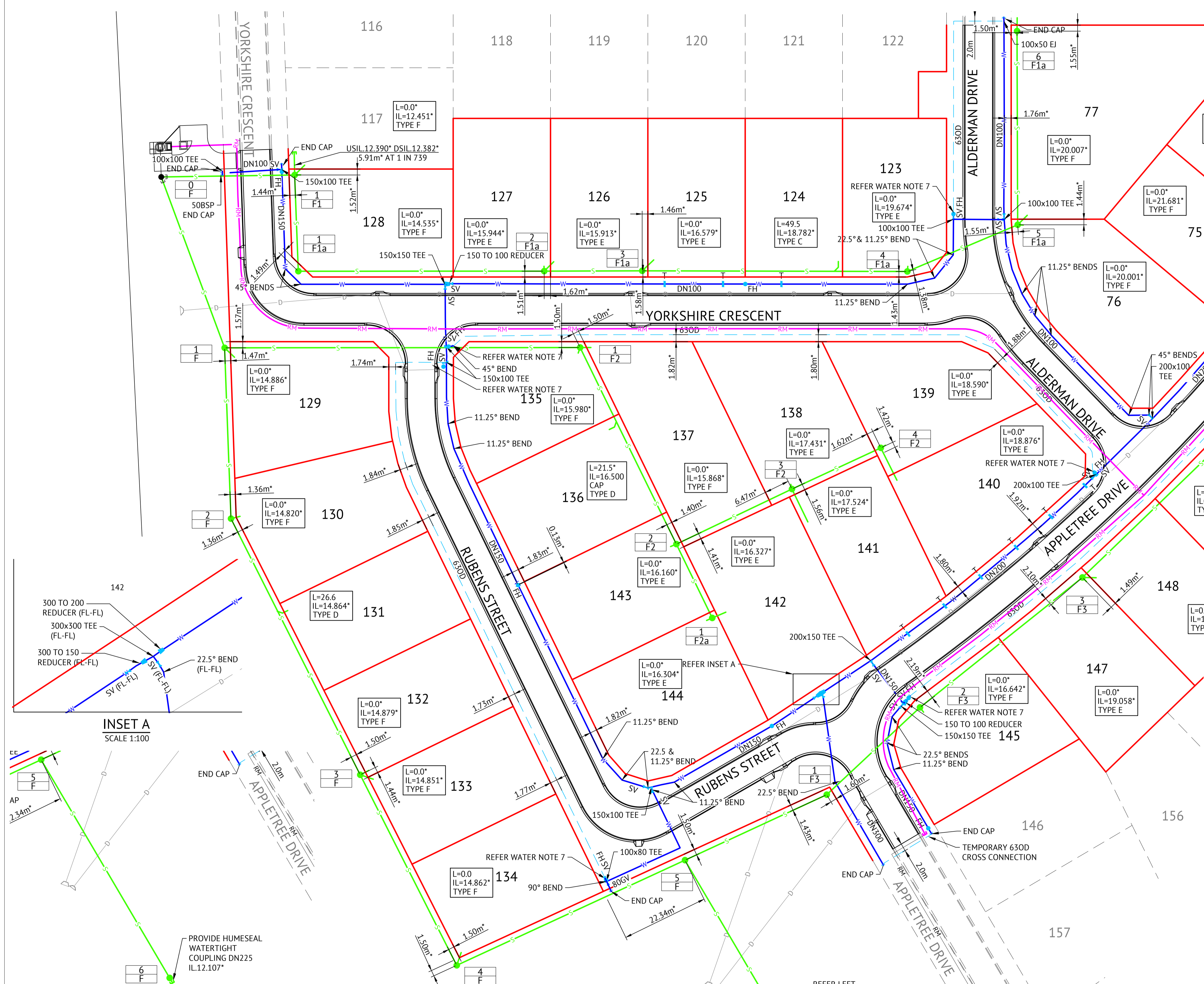
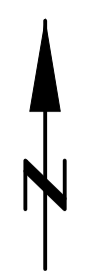
Project: **AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN**

WATER & SEWERAGE RETICULATION PLAN - SHEET 2 OF 3

Local Authority: Townsville City Council Locality:

Date: 3 November 2021
 Sheet 1 of 1 Sheets
 Scale: AS SHOWN A1
 Plan No: 27687/147 A

braziermotti.com.au
 SURVEYING
 TOWNPLANNING
 PROJECTMANAGEMENT
 MAPPING&GIS



WATER LEGEND

- DN100 WATER MAIN AND DIAMETER
- 630D POLYETHYLENE WATER MAIN AND DIAMETER
- FIRE HYDRANT, VALVE AND REDUCER
- PROPOSED TRENCH STOP
- EXISTING WATER MAIN, VALVE AND HYDRANT

WATER NOTES

1. ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND PROJECT SPECIFICATION.
2. ALL WATER MAINS ARE LOCATED ON A 1.8m ±0.1m ALIGNMENT OFFSET FROM PROPERTY BOUNDARIES, UNLESS NOTED OTHERWISE.
3. ALL FIRE HYDRANTS LOCATED PERPENDICULAR TO PROPERTY BOUNDARY UNLESS NOTED OTHERWISE.
4. ALL uPVC MAINS ARE CLASS PN16 SERIES 2 COMPATIBLE TO AS 1477 RUBBER RING JOINTED, WITH SOCKETED DICL FITTINGS UNLESS NOTED OTHERWISE.
5. ALL 630D MAINS POLYETHYLENE CLASS PN16 TO AS 4130.
6. ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.
7. REFER TCC STANDARD DRAWING SD-315 FOR PVC TO PE SERVICE MAIN CONNECTION DETAIL.
8. CONNECTION TO EXISTING WATER MAINS CARRIED OUT BY COUNCIL AT THE CONTRACTORS EXPENSE.

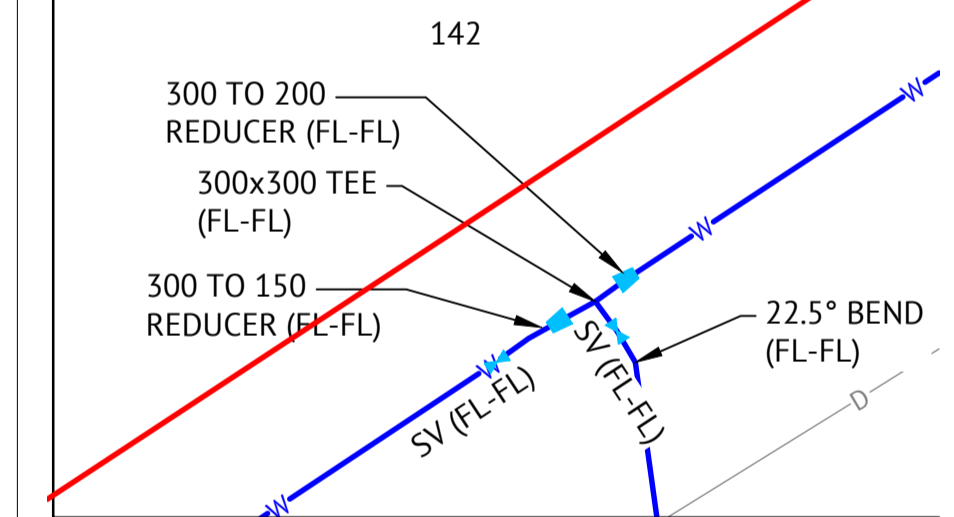
SEWER LEGEND

- STORMWATER DRAINAGE LINE
- SEWER MAIN AND MANHOLE (MH)
- SEWER MAIN AND MAINTENANCE SHAFT (MS)
- DN100 SEWER HOUSE DRAIN
- SEWER RISING MAIN 0.9m OFFSET FROM BOK REFER ELE-0011 FOR DETAILS
- EXISTING SEWER MAIN AND MANHOLE
- MH.6.57* CERTIFIED TYPE & INDICATIVE TOP OF MANHOLE LEVEL MANHOLE NUMBER LINE NUMBER
- HOUSE CONNECTION (X&Y DIMENSIONS AS PER RELEVANT COUNCIL STANDARD DRAWING U.N.O.)

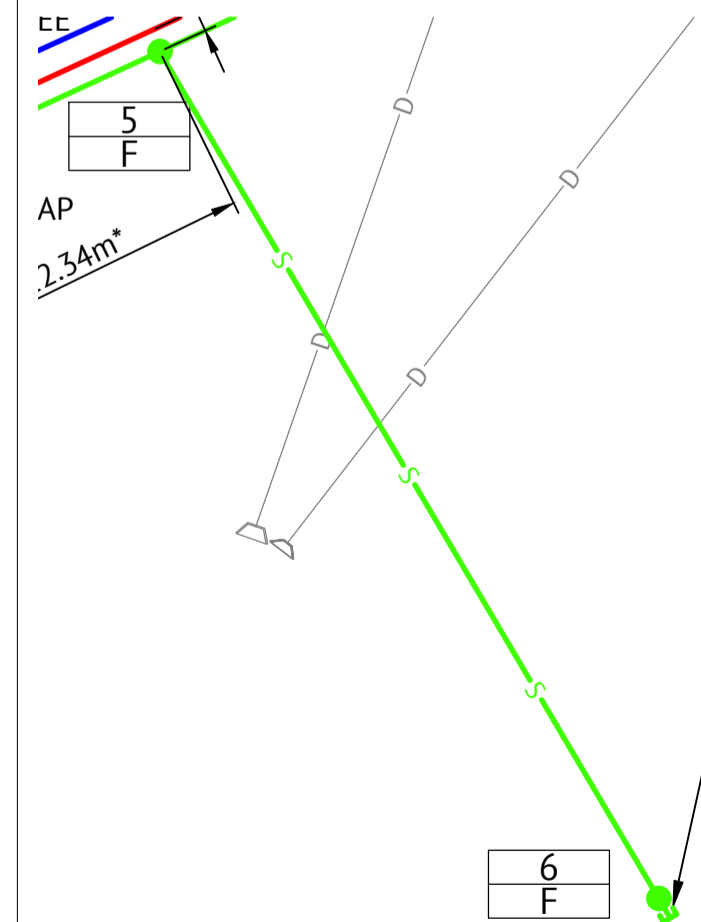
- L=3.0* IL=5.160* TYPE D CERTIFIED DISTANCE FROM DOWNSTREAM MANHOLE CERTIFIED INVERT LEVEL OF HOUSE CONNECTION POINT HOUSE CONNECTION TYPE
- TYPE A - ACROSS BOUNDARY 'SLOPE DROP'
- TYPE B - ACROSS BOUNDARY 'JUMP UP'
- TYPE C - WITHIN LOT 'DIRECT CONNECTION'
- TYPE D - WITHIN LOT 'JUMP UP'
- TYPE E - MANHOLE 'DIRECT CONNECTION'
- TYPE F - MANHOLE 'INTERNAL DROP'
- TYPE G - MAINTENANCE SHAFT CONNECTION
- TYPE EX - EXISTING HOUSE CONNECTION

SEWER NOTES

1. ALL WORKS CONSTRUCTED IN ACCORDANCE WITH RELEVANT LATEST ISSUE COUNCIL STANDARD DRAWINGS AND PROJECT SPECIFICATION
2. ALL SEWERAGE MAINS LOCATED ON 1.5m ±0.1m ALIGNMENT OFFSET FROM THE PROPERTY BOUNDARIES, UNLESS NOTED OTHERWISE.
3. ALL SEWERAGE MAINS DN150, UNLESS NOTED OTHERWISE.
4. ALL DN150 AND DN225 SEWERAGE MAINS TO BE uPVC DWV SN8, UNLESS NOTED OTHERWISE.
5. ALL DN100 HOUSE DRAINS uPVC DWV SN10, UNLESS NOTED OTHERWISE. (MAXIMUM LENGTH 10.0m)
6. ALL TRENCHES UNDER ROAD PAVEMENT (INCLUDING FUTURE) BACKFILLED WITH CRUSHER DUST TO SUBGRADE LEVEL.
7. CONNECTION/ALTERATIONS TO EXISTING SEWERAGE INFRASTRUCTURE CARRIED OUT BY COUNCIL AT THE CONTRACTORS EXPENSE.
8. ALL MANHOLE INTERNAL DROP 'CORES' ARE NOT LOCATED WITHIN 150mm OF PRECAST WALL JOINTS.
9. TOP OF MANHOLE LEVELS PROVIDED ARE INDICATIVE. REFER TCC STANDARD DRAWING SD-475 FOR FINISHED LEVELS OF MANHOLE COVERS.



INSET A
SCALE 1:100



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT
B	09.11.21	Level amended	PAT

Level Datum: AHD (DERIVED)
 B.M. Used: PM200736
 Coordinate Projection: Plane
 Coordinate Datum: Arbitrary
 Origin of Coordinates: PM200736
 Meridian: N
 Map Reference:
 Contour Interval:
 Job No: 27687-068-01
 File No: 27687_1488.dwg

E: 62389.140
 N: 94092.020

Surveyed by: BM
 Drawn: MJM
 Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) provided they have been constructed for subdivision.

Director
 Date: 9-11-2021

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
 DATE ..10/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ ...13231
 DATE ...10/11/21...

Client: **ELEMENTS NQ PTY LTD**

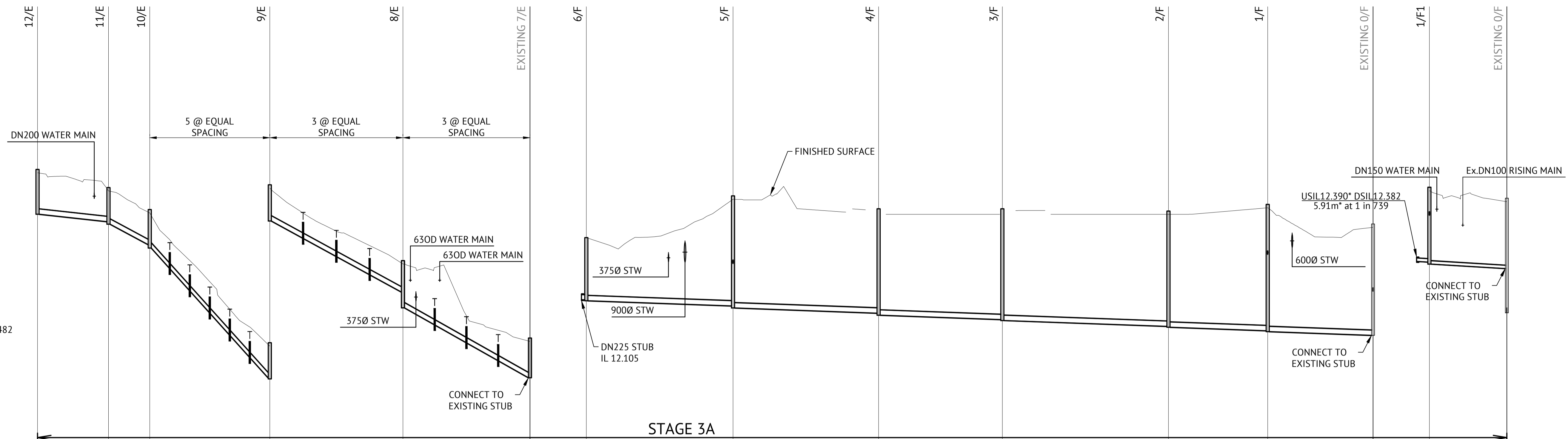
Project: **AS CONSTRUCTED - THE ORCHARD 3A
DARLING ROAD, JENSEN
WATER & SEWERAGE RETICULATION PLAN - SHEET 3 OF 3**

Local Authority: Townsville City Council Locality:

Date: 3 November 2021
 Sheet 1 of 1 Sheets
 Scale: AS SHOWN A1
 Plan No: 27687/148 B

braziermotti.com.au
 SURVEYING
 TOWNPLANNING
 PROJECTMANAGEMENT
 MAPPING&GIS





LEGEND

TRENCH STOPS
REFER TCC STD DWG SD-482

DIAMETER	2250					2250					
GRADE	1 in 94					1 in 20					
DATUM RL.	22.000					15.000					
TOP OF MANHOLE	37.876*	36.972*	36.128*	30.215*	26.844*	23.294*					
FINISHED SURFACE LEVEL	37.731*	36.783*	35.944*	30.035*	26.660*	23.130*					
INVERT LEVEL	35.914*	35.579*	35.470*	34.557*	34.476*	28.640*	28.595*	25.405*	24.761*	21.673*	21.650
DEPTH TO INVERT OF SEWER	1.817	1.204	1.313*	1.387	1.518	1.395	1.440	1.255	1.899	1.457	1.480
PIPE LENGTH	31.471*	18.280*	52.909*	59.206*	56.208*						

LINE E

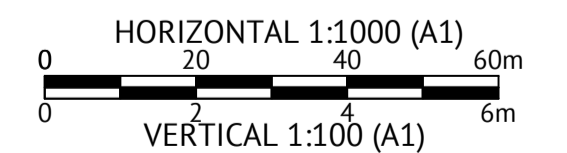
DIAMETER	2250						1500	
GRADE	1 in 298						1 in 112	
DATUM RL.	2.000						1.000	
TOP OF MANHOLE	15.078*	16.700*	16.146*	16.146*	16.166*	16.552*	15.550	16.096*
FINISHED SURFACE LEVEL	14.867*	16.579*	15.987*	16.000*	15.997*	16.312*	15.550	15.941*
INVERT LEVEL	12.051*	11.834*	11.754*	11.514*	11.437*	10.944*	10.910*	10.532*
DEPTH TO INVERT OF SEWER	2.799	4.728	4.818	4.625	4.715	4.959	4.999	4.789
PIPE LENGTH	64.731*	64.510*	54.809*	73.654*	43.870*	45.580*		28.497*

LINE F

LINE F1

SEWERAGE LONGITUDINAL SECTION

SCALE 1:100 VERTICAL, SCALE 1:1000 HORIZONTAL



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
B.M. Used: PM200736
Coordinate Projection: Plane
Coordinate Datum: Arbitrary
Origin of Coordinates: PM200736
Meridian:
Map Reference:
Contour Interval:
Job No: 27687-068-01
File No: 27687_149A.dwg

E: 62389.140
N: 94092.020
Surveyed by: BM
Drawn: MJM
Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) as they have been constructed for subdivision.

Director
Date: 8-11-2021

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
DATE: 10/11/2021

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

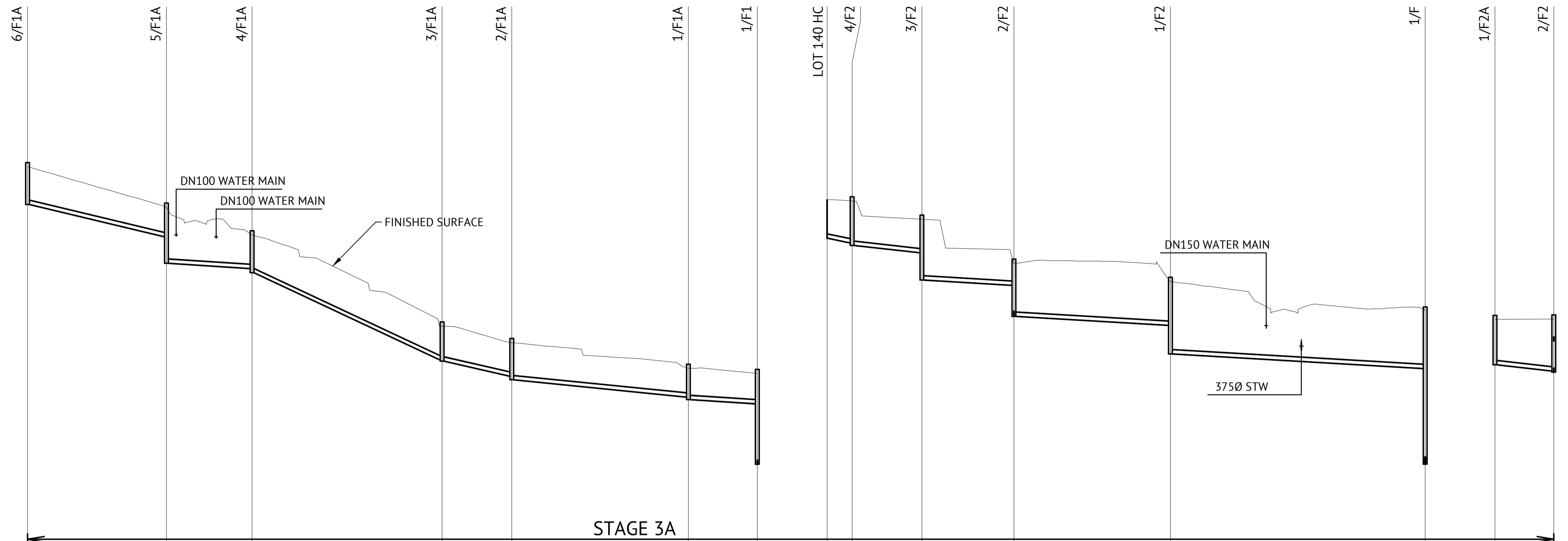
RPEQ: 13231
DATE: 10/11/21

Client: **ELEMENTS NQ PTY LTD**
Project: **AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN SEWER LONGITUDINAL SECTIONS - SHEET 1 OF 3**
Local Authority: Townsville City Council
Locality:

Date: 3 November 2021
Sheet 1 of 1 Sheets
Scale: AS SHOWN
Plan No: 27687/149 A
braziermotti.com.au
SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS

LEGEND

TRENCH STOPS
REFER TCC STD DWG SD-482



DIAMETER
GRADE
DATUM RL. 6.000

	6/F1A	5/F1A	4/F1A	3/F1A	2/F1A	1/F1A	1/F1
TOP OF MANHOLE	23.520*	21.924*	21.066*	17.810*	17.209*	16.285*	16.093*
FINISHED SURFACE LEVEL	23.416*	21.740*	20.938*	17.710*	17.065*	16.150*	15.941*
INVERT LEVEL	22.019*	20.846*	19.681*	16.428*	15.847*	15.100*	14.840*
DEPTH TO INVERT OF SEWER	1.397	0.894	1.257	1.282	1.218	1.050	1.101
PIPE LENGTH	49.699*	30.761*	68.096*	25.156*	63.145*	24.714*	3.620

LINE F1a

4.000

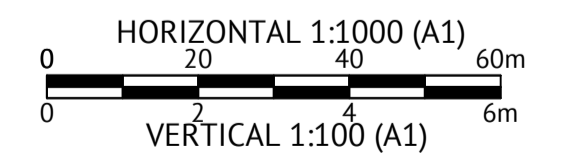
	LOT 140 HC	4/F2	3/F2	2/F2	1/F2	1/F	1/F2A	2/F2
TOP OF MANHOLE	20.282*	19.613*	18.056*	17.413*	16.552*	18.051*	18.053*	
FINISHED SURFACE LEVEL	20.124*	19.439*	17.912*	17.286*	16.312*	17.869*	17.912*	
INVERT LEVEL	18.876*	18.635*	18.299*	17.090*	15.663*	14.069*	16.279*	
DEPTH TO INVERT OF SEWER	1.647	1.756	1.316	0.966	1.753	2.243	1.762	
PIPE LENGTH	9.278*	25.154*	32.873*	56.209*	91.300*	5.489	21.074*	

LINE F2

LINE F2a

SEWERAGE LONGITUDINAL SECTION

SCALE 1:100 VERTICAL, SCALE 1:1000 HORIZONTAL



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT
B	09.11.21	IL amended	PAT

Level Datum: AHD (DERIVED)
B.M. Used: PM200736
Coordinate Projection: Plane
Coordinate Datum: Arbitrary
Origin of Coordinates: PM200736
Meridian:
Map Reference:
Contour Interval:
Job No: 27687-068-01
File No: 27687_150B.dwg

E: 62389.140
N: 94092.020

Surveyed by: BM
Drawn: MJM
Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks for the purposes they have been constructed for subdivision.

Director
Date: 9-11-2021

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
DATE ...10/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ ...13231
DATE ...10/11/21..

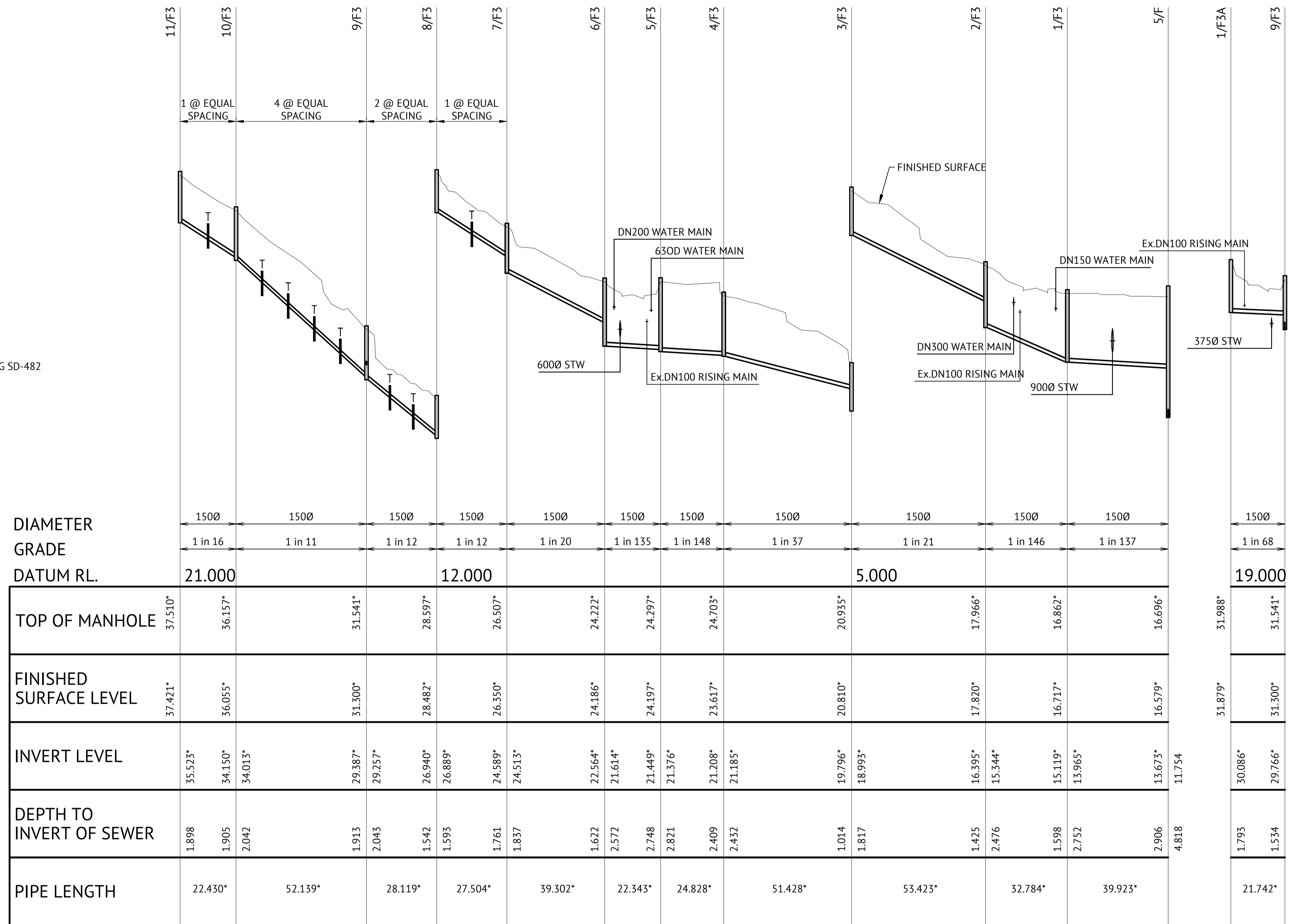
Client:	ELEMENTS NQ PTY LTD
Project:	AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN SEWER LONGITUDINAL SECTIONS - SHEET 2 OF 3
Local Authority: Townsville City Council	Locality:

Date: 3 November 2021
Sheet 1 of 1 Sheets
Scale: AS SHOWN A1
Plan No: 27687/150 B

braziermotti.com.au
SURVEYING
TOWNPLANNING
PROJECTMANAGEMENT
MAPPING&GIS

LEGEND

TRENCH STOPS
REFER TCC STD DWG SD-482

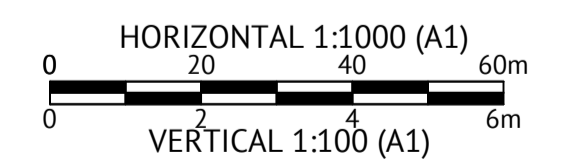


LINE F3

LINE F3a

SEWERAGE LONGITUDINAL SECTION

SCALE 1:100 VERTICAL, SCALE 1:1000 HORIZONTAL



No.	Date	Details	Check
A	03.11.21	Original Issue	PAT

Level Datum: AHD (DERIVED)
B.M. Used: PM200736
Coordinate Projection: Plane
Origin of Coordinates: PM200736
Meridian: N
Map Reference:
Contour Interval:
Job No: 27687-068-01
File No: 27687_151A.dwg

E: 62389.140
N: 94092.020

Surveyed by: BM
Drawn: MJM
Approved:

BRAZIER MOTTI PTY LTD (ACN 066 411 041), 595 Flinders Street, Townsville hereby certify that this Drawing accurately and correctly describes and records the nature and location of the works depicted by asterisks (*) where they have been constructed for subdivision.

Director
Date: 8-11-2021

MENDI CONSTRUCTIONS PTY LTD DO HEREBY CERTIFY THAT THE WORKS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS AND CONTRACT DOCUMENTS APPROVED BY COUNCIL FOR THE CONSTRUCTION OF THE PROJECT.

AUTHORISED DELEGATE
DATE ..10/11/2021.....

PREMISE DO HEREBY CERTIFY THAT THE WORKS AS SHOWN ON THE 'AS CONSTRUCTED' DRAWINGS REFLECT ANY CHANGES THAT WERE MADE DURING THE COURSE OF CONSTRUCTION.

RPEQ 13231
DATE ..10/11/21..

Client: **ELEMENTS NQ PTY LTD**

Project: **AS CONSTRUCTED - THE ORCHARD 3A DARLING ROAD, JENSEN SEWER LONGITUDINAL SECTIONS - SHEET 3 OF 3**

Local Authority: Townsville City Council Locality:

Date: 3 November 2021
Sheet 1 of 1 Sheets
Scale: AS SHOWN A1
Plan No: 27687/151 A

braziermotti.com.au
SURVEYING TOWNPLANNING PROJECTMANAGEMENT MAPPING&GIS

