

# HUGH GREEN LIMITED

## STAGE 2A PARK ESTATE ROAD

### HINGAIA - ENG60369380

#### PROJECT NUMBER: 1972-11



**CIVILPLAN**  
CONSULTANTS

## ASBUILT ISSUE DECEMBER 2021

Sheet List Table

Sheet Number	Sheet Title
1972-11-000	COVER SHEET
200-Earthworks	
1972-11-AB200	FINISHED CONTOURS ASBUILT - DETAIL SHEET 1
1972-11-AB201	FINISHED CONTOURS ASBUILT - DETAIL SHEET 2
1972-11-AB202	FINISHED CONTOURS ASBUILT - DETAIL SHEET 3
1972-11-AB203	FINISHED CONTOURS ASBUILT - DETAIL SHEET 4
1972-11-AB204	FINISHED CONTOURS ASBUILT - DETAIL SHEET 5
1972-11-AB220	ISOPACH ASBUILT - DETAIL SHEET 1
1972-11-AB221	ISOPACH ASBUILT - DETAIL SHEET 2
1972-11-AB222	ISOPACH ASBUILT - DETAIL SHEET 3
1972-11-AB223	ISOPACH ASBUILT - DETAIL SHEET 4
1972-11-AB224	ISOPACH ASBUILT - DETAIL SHEET 5
300-Roading	
1972-11-AB300	ROADING PAVEMENT ASBUILT - DETAIL SHEET 1
1972-11-AB301	ROADING PAVEMENT ASBUILT - DETAIL SHEET 2
1972-11-AB302	ROADING PAVEMENT ASBUILT - DETAIL SHEET 3
1972-11-AB303	ROADING PAVEMENT ASBUILT - DETAIL SHEET 4
1972-11-AB304	ROADING PAVEMENT ASBUILT - DETAIL SHEET 5
1972-11-AB305	TIMBER BOARDWALK ASBUILT - DETAIL SHEET 1
1972-11-AB306	TIMBER BOARDWALK ASBUILT - DETAIL SHEET 2
1972-11-AB310	ROADING FEATURES ASBUILT - DETAIL SHEET 1
1972-11-AB311	ROADING FEATURES ASBUILT - DETAIL SHEET 2
1972-11-AB312	ROADING FEATURES ASBUILT - DETAIL SHEET 3
1972-11-AB313	ROADING FEATURES ASBUILT - DETAIL SHEET 4
1972-11-AB314	ROADING FEATURES ASBUILT - DETAIL SHEET 5
1972-11-AB330	ROADING CROSS SECTION ASBUILT - SHEET 1
1972-11-AB331	ROADING CROSS SECTION ASBUILT - SHEET 2
1972-11-AB332	ROADING CROSS SECTION ASBUILT - SHEET 3
1972-11-AB333	ROADING CROSS SECTION ASBUILT - SHEET 4
1972-11-AB334	ROADING CROSS SECTION ASBUILT - SHEET 5
1972-11-AB335	ROADING CROSS SECTION ASBUILT - SHEET 6
400-Drainage	
1972-11-AB400	STORMWATER ASBUILT - DETAIL SHEET 1
1972-11-AB401	STORMWATER ASBUILT - DETAIL SHEET 2
1972-11-AB402	STORMWATER ASBUILT - DETAIL SHEET 3
1972-11-AB403	STORMWATER ASBUILT - DETAIL SHEET 4
1972-11-AB404	STORMWATER ASBUILT - DETAIL SHEET 5
1972-11-AB405	STORMWATER ASBUILT - NZTM ASSET COORDINATES
1972-11-AB410	WASTEWATER ASBUILT - DETAIL SHEET 1
1972-11-AB411	WASTEWATER ASBUILT - DETAIL SHEET 2
1972-11-AB412	WASTEWATER ASBUILT - DETAIL SHEET 3
1972-11-AB413	WASTEWATER ASBUILT - DETAIL SHEET 4
1972-11-AB414	WASTEWATER ASBUILT - DETAIL SHEET 5
1972-11-AB470	TYPICAL RAINGARDEN DETAIL ASBUILT - DETAIL SHEET 1
1972-11-AB471	TYPICAL RAINGARDEN DETAIL ASBUILT - DETAIL SHEET 2

1972-11-AB475	BESPOKE RAINGARDEN DETAIL ASBUILT - DETAIL SHEET 1
1972-11-AB476	BESPOKE RAINGARDEN DETAIL ASBUILT - DETAIL SHEET 2
500-Water Supply	
1972-11-AB500	WATERMAIN ASBUILT - DETAIL SHEET 1
1972-11-AB501	WATERMAIN ASBUILT - DETAIL SHEET 2
1972-11-AB502	WATERMAIN ASBUILT - DETAIL SHEET 3
1972-11-AB503	WATERMAIN ASBUILT - DETAIL SHEET 4
1972-11-AB504	WATERMAIN ASBUILT - DETAIL SHEET 5
1972-11-AB505	WATERMAIN ASBUILT - NZTM ASSET COORDINATES
600-Services	
1972-11-AB600	POWER SUPPLY ASBUILT - DETAIL SHEET 1
1972-11-AB601	POWER SUPPLY ASBUILT - DETAIL SHEET 2
1972-11-AB602	POWER SUPPLY ASBUILT - DETAIL SHEET 3
1972-11-AB603	POWER SUPPLY ASBUILT - DETAIL SHEET 4
1972-11-AB604	POWER SUPPLY ASBUILT - DETAIL SHEET 5
1972-11-AB605	POWER SUPPLY ASBUILT - NZTM ASSET COORDINATES
1972-11-AB610	CHORUS ASBUILT - DETAIL SHEET 1
1972-11-AB611	CHORUS ASBUILT - DETAIL SHEET 2
1972-11-AB612	CHORUS ASBUILT - DETAIL SHEET 3
1972-11-AB613	CHORUS ASBUILT - DETAIL SHEET 4
1972-11-AB614	
1972-11-AB615	CHORUS ASBUILT - NZTM ASSET COORDINATES
700-Landscaping	
1972-11-AB700	LANDSCAPING ASBUILT - OVERALL PLAN
1972-11-AB701	LANDSCAPING ASBUILT - DETAIL SHEET 1
1972-11-AB702	LANDSCAPING ASBUILT - DETAIL SHEET 2
1972-11-AB703	LANDSCAPING ASBUILT - DETAIL SHEET 3
1972-11-AB704	LANDSCAPING ASBUILT - DETAIL SHEET 4

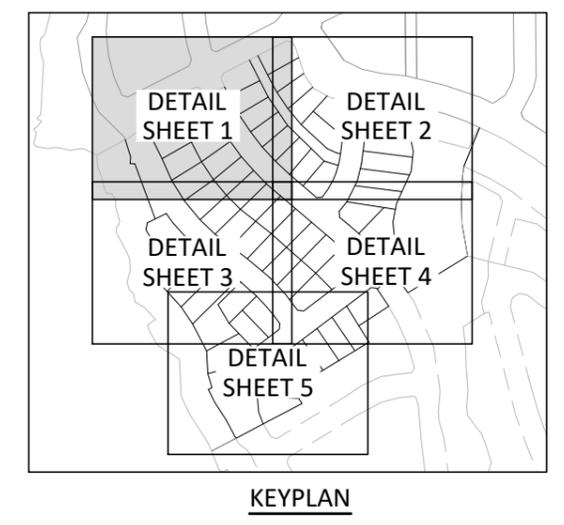


**LEGEND**

**ASBUILT**

	ASBUILT 0.5m CONTOUR
	ASBUILT 1.0m CONTOUR
	SLOPE GREATER THAN 1 IN 4

- NOTES**
1. MINOR CONTOURS ARE AT 0.5m INTERVAL.
  2. MAJOR CONTOURS ARE AT 1.0m INTERVAL.
  3. CONSTRUCTION COMPLETED IN 2021.



I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE CONTOURS SHOWN ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



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13.12.2021  
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DATE	DATE	DATE	DATE
DRAWN: RGP	12.2021	CHECKED: RJP	13.12.21
APPROVED: RJP	13.12.21	DATE	DATE
ISSUED FOR ASBUILT	BY: RGP	DATE	13.12.21
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PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

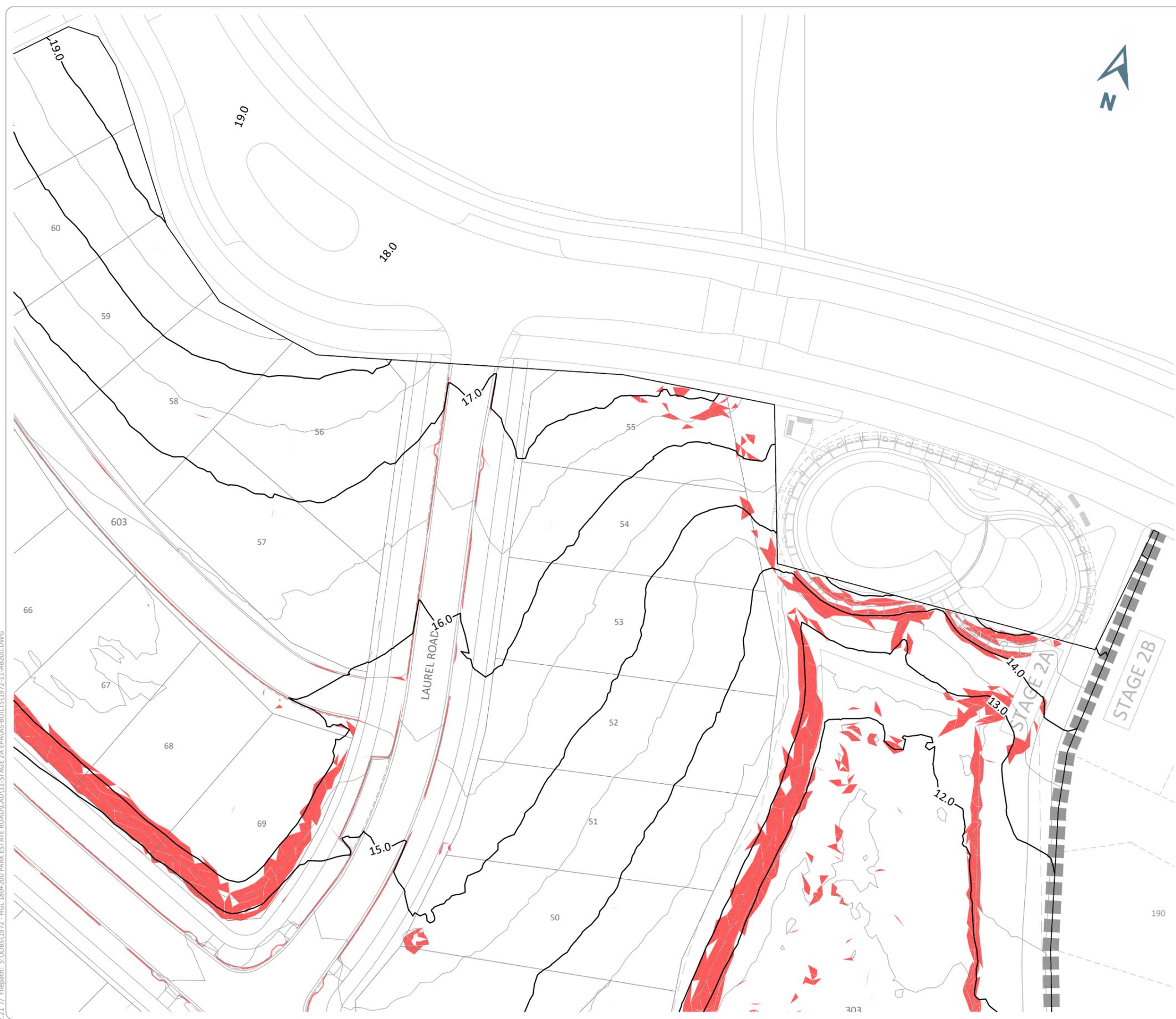
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 DETAIL SHEET 1**

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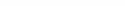
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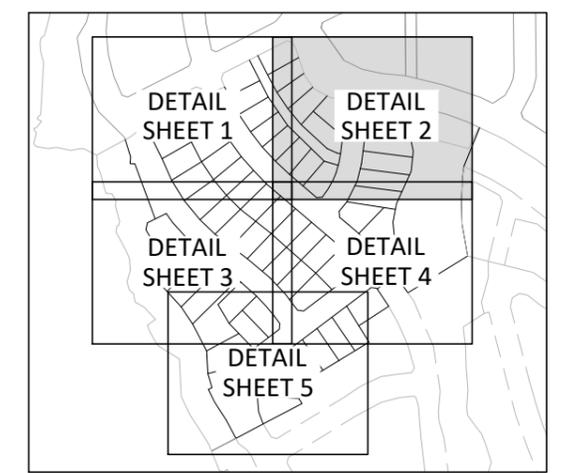


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 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

SHEET TITLE:  
**FINISHED CONTOURS ASBUILT  
 DETAIL SHEET 2**

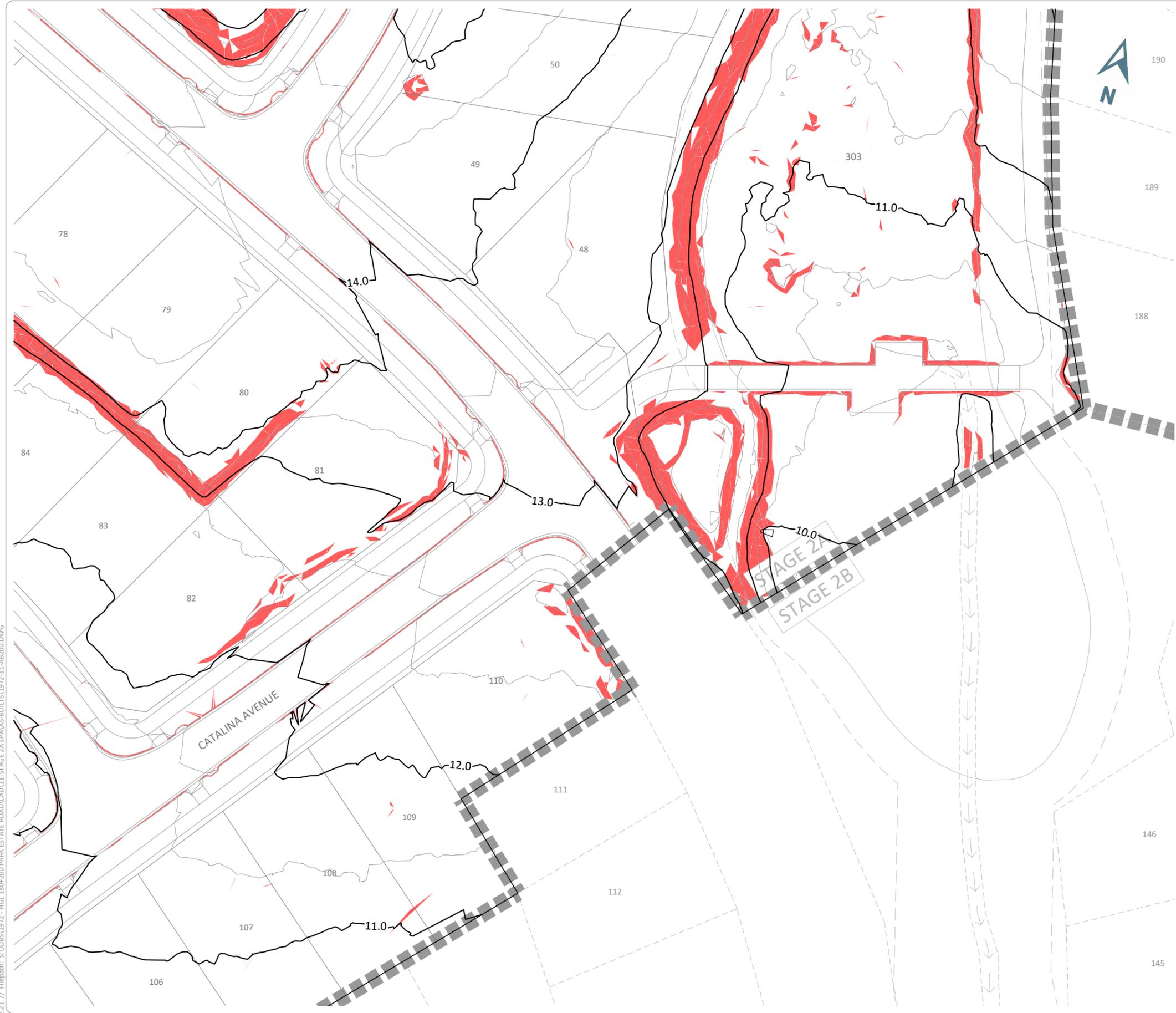
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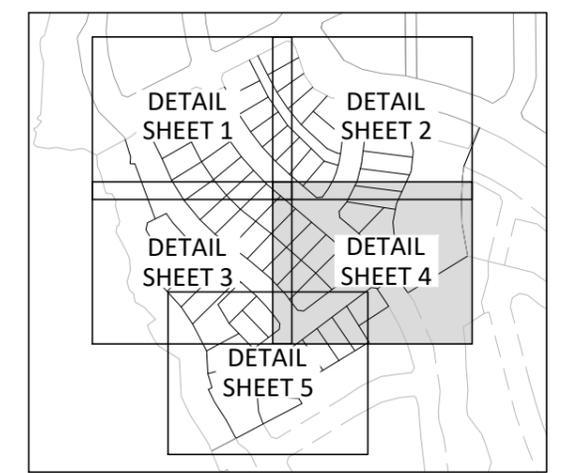


**LEGEND**

**ASBUILT**

	ASBUILT 0.5m CONTOUR
	ASBUILT 1.0m CONTOUR
	SLOPE GREATER THAN 1 IN 4

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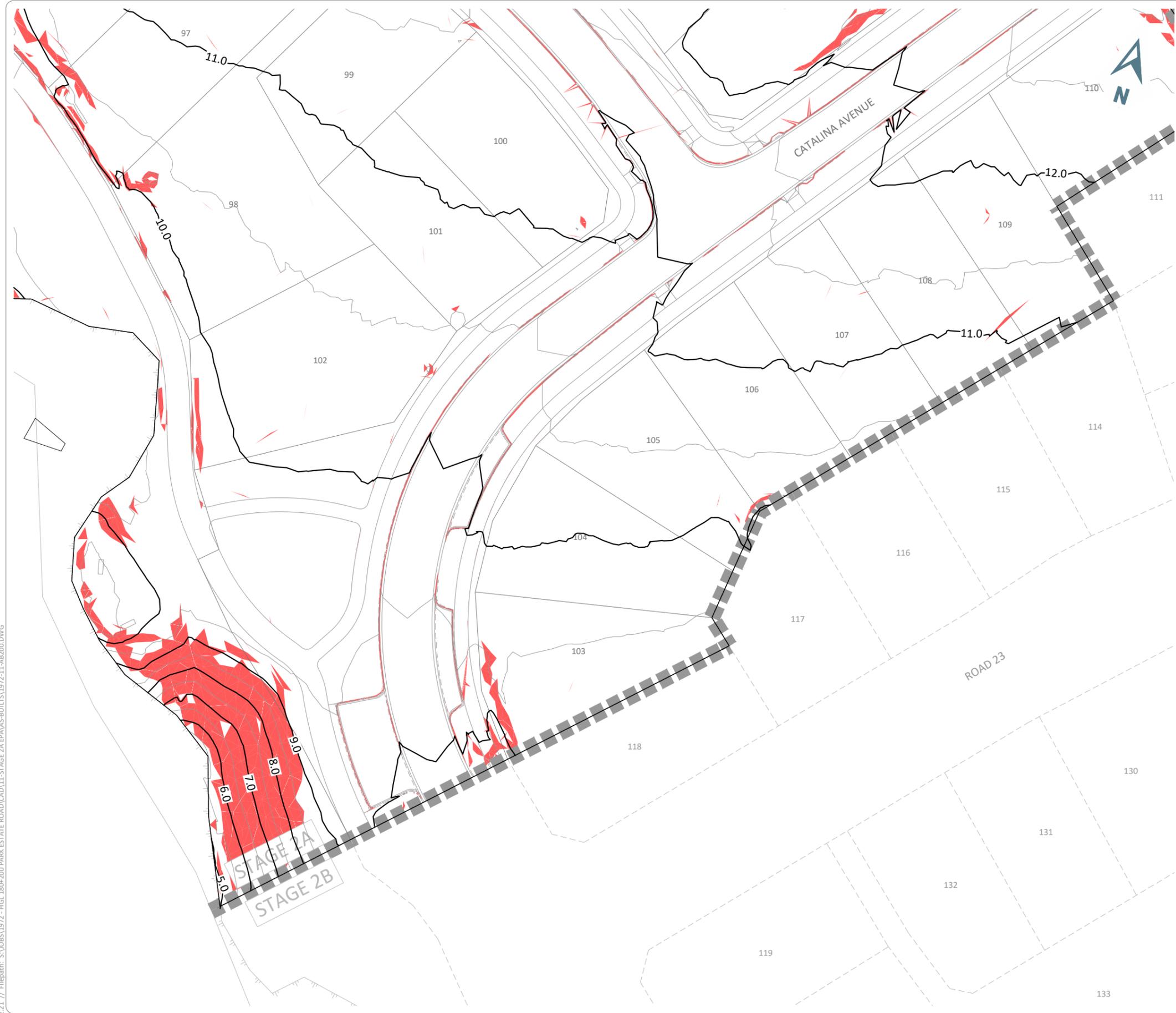
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**FINISHED CONTOURS ASBUILT  
 DETAIL SHEET 4**

ISSUE STATUS: **ASBUILT ISSUE**

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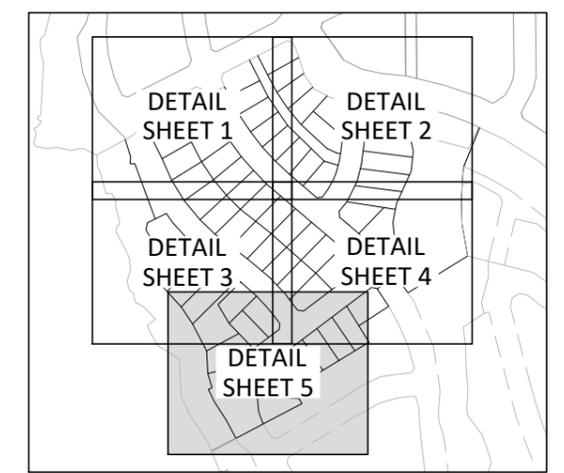


**LEGEND**

**ASBUILT**

	ASBUILT 0.5m CONTOUR
	ASBUILT 1.0m CONTOUR
	SLOPE GREATER THAN 1 IN 4

- NOTES**
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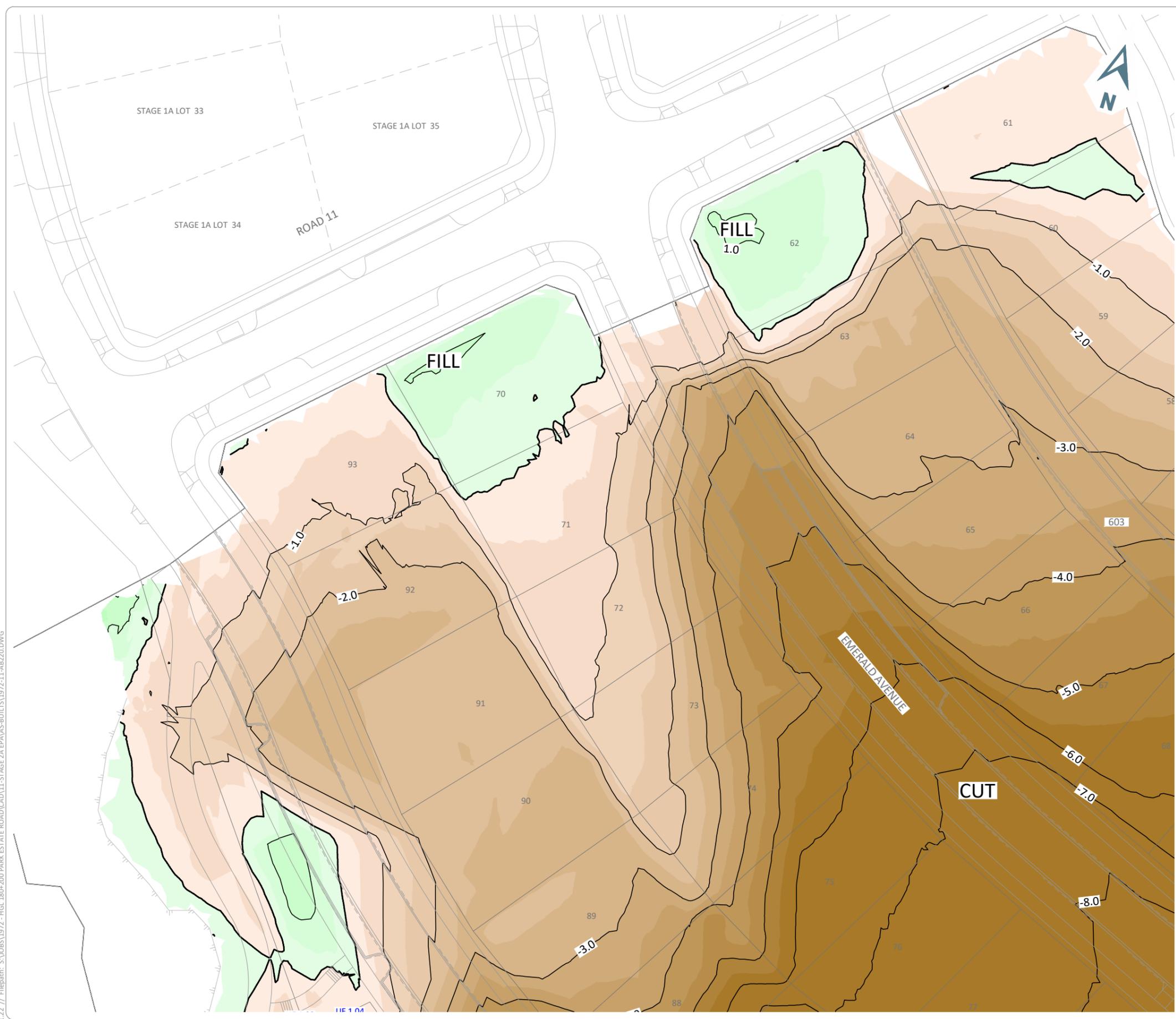
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**FINISHED CONTOURS ASBUILT  
 DETAIL SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**

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DRAWING NUMBER: **1972-11-AB204** REV: **A**



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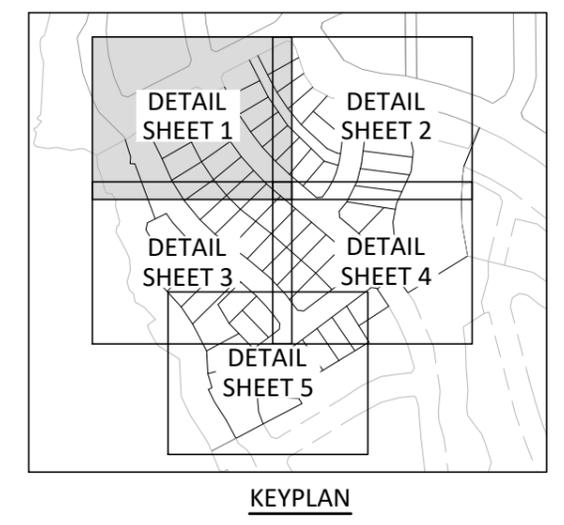
**ASBUILT**

- 0.2— ASBUILT CUT ISOPACH
- 0.2— ASBUILT FILL ISOPACH
- — EARTHWORKS ZERO CUT/FILL LINE
- — EARTHWORK EXTENT
- — — — UNDERFILL DRAIN

**CUT** ASBUILT CUT

**FILL** ASBUILT FILL

- NOTES**
- LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
  - COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
  - CONSTRUCTION WAS UNDERTAKEN IN 2021.



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RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

18.01.21  
DATE

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REV	REVISION DETAILS	BY	DATE
B	UNDERFILL DRAIN DATA ADDED	RGP	18.01.22
A	ISSUED FOR ASBUILT	RGP	13.12.21

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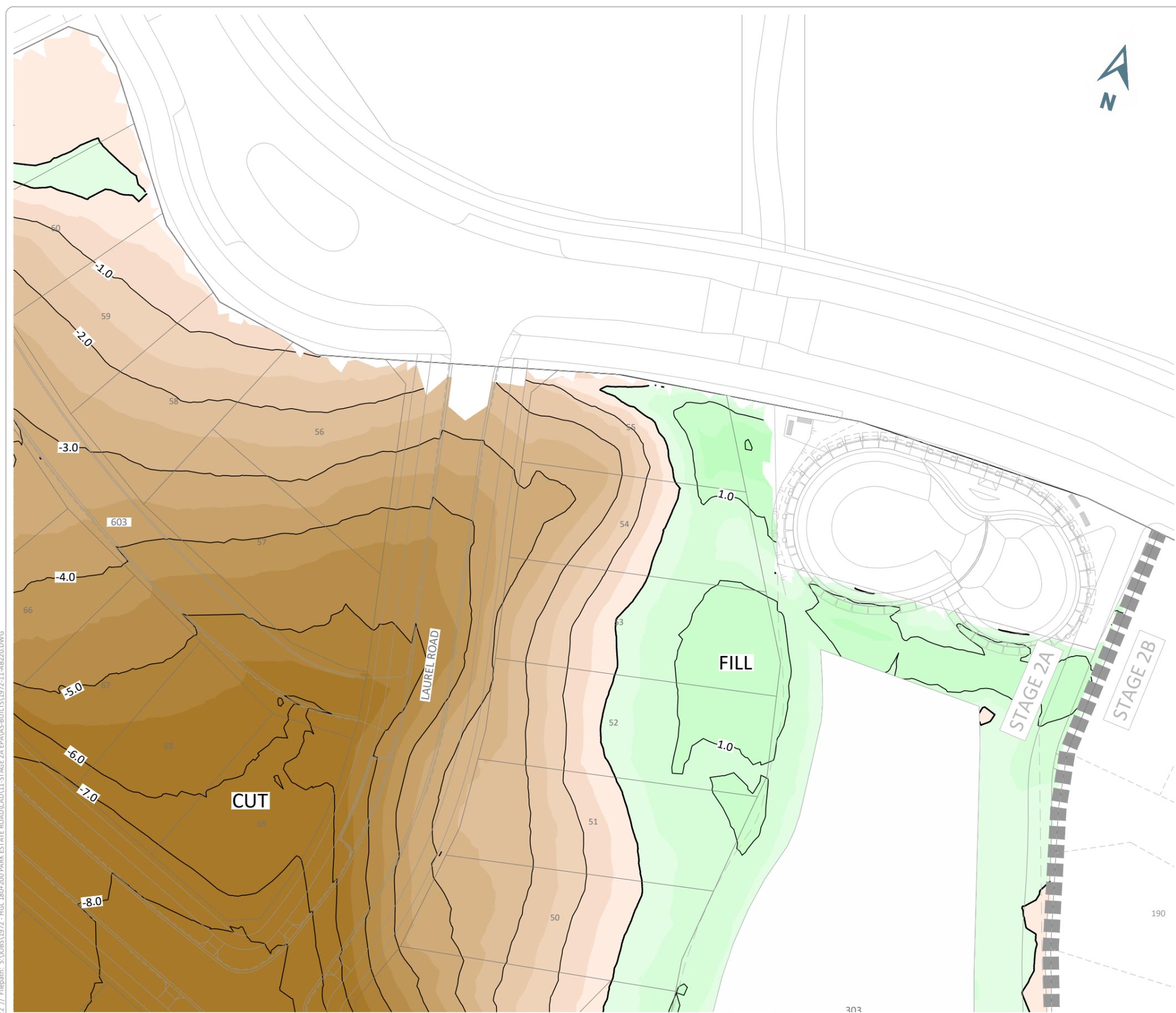
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**ISOPACH ASBUILT  
DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**

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DRAWING NUMBER: **1972-11-AB220** REV: **B**



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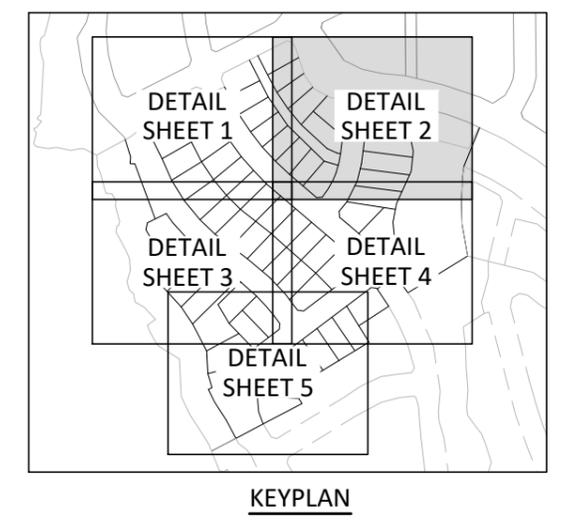
**ASBUILT**

- -0.2 — ASBUILT CUT ISOPACH
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**CUT** ASBUILT CUT

**FILL** ASBUILT FILL

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CMENGNZ CPENG 18.01.21  
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STAGE 2B PARK ESTATE ROAD  
HINGAIA - ENG60374504**

SHEET TITLE:  
**ISOPACH ASBUILT  
DETAIL SHEET 2**

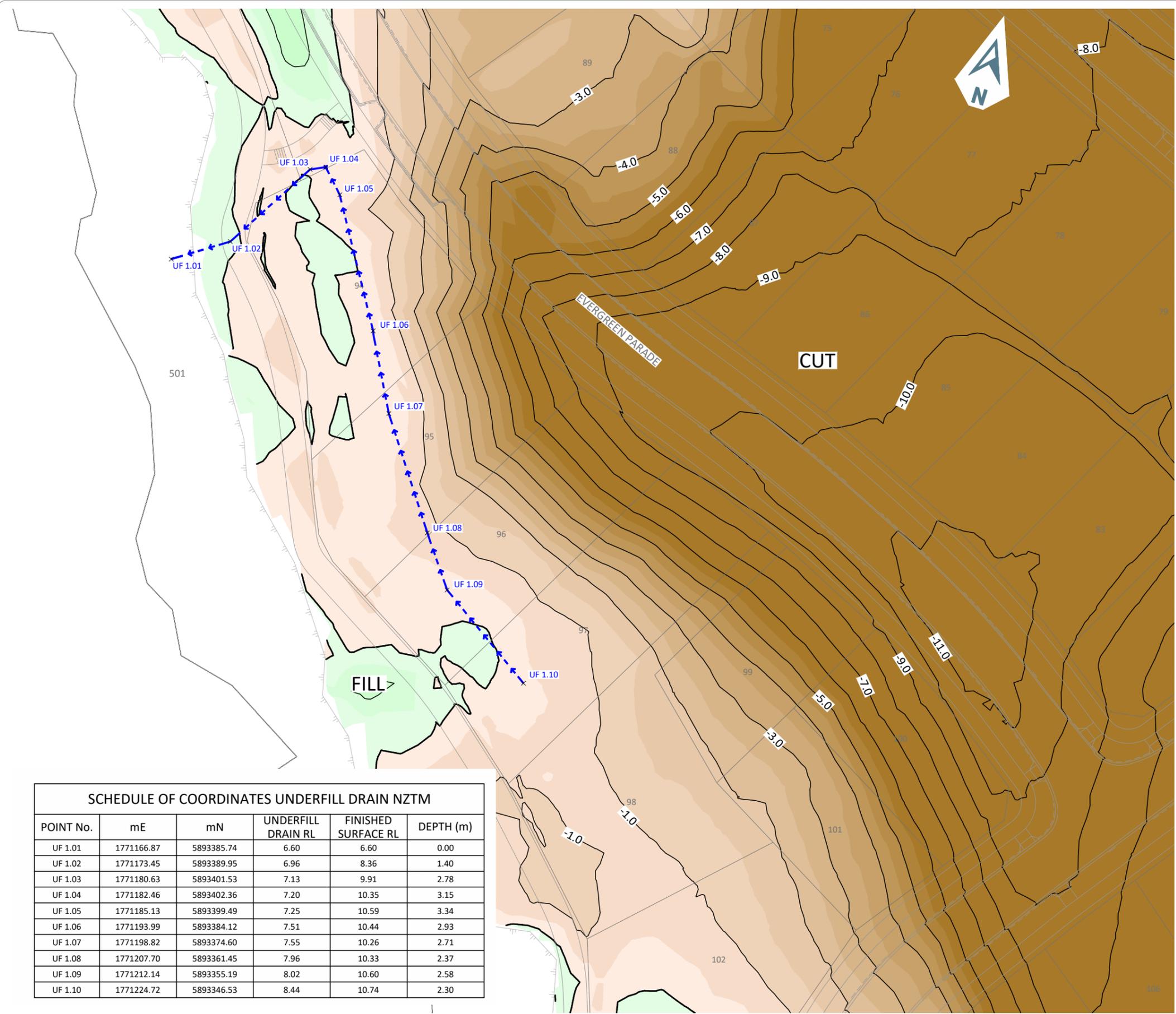
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DRAWING NUMBER: **1972-11-AB221** REV: **B**

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**LEGEND**

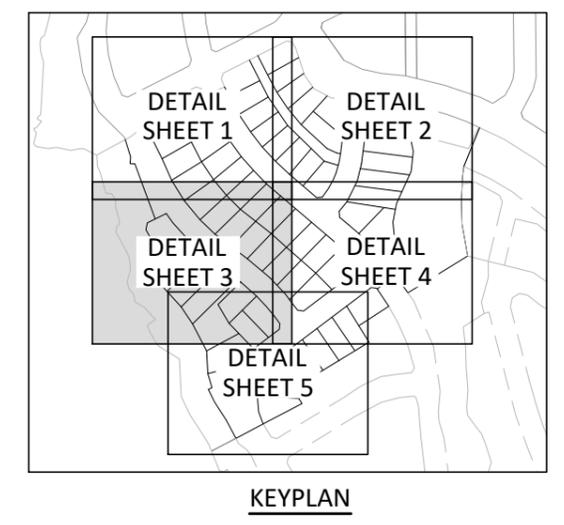
**ASBUILT**

- 0.2 ASBUILT CUT ISOPACH
- 0.2 ASBUILT FILL ISOPACH
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- EARTHWORK EXTENT
- UNDERFILL DRAIN

**CUT** ASBUILT CUT

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CMENGNZ CPENG 18.01.21  
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SCHEDULE OF COORDINATES UNDERFILL DRAIN NZTM					
POINT No.	mE	mN	UNDERFILL DRAIN RL	FINISHED SURFACE RL	DEPTH (m)
UF 1.01	1771166.87	5893385.74	6.60	6.60	0.00
UF 1.02	1771173.45	5893389.95	6.96	8.36	1.40
UF 1.03	1771180.63	5893401.53	7.13	9.91	2.78
UF 1.04	1771182.46	5893402.36	7.20	10.35	3.15
UF 1.05	1771185.13	5893399.49	7.25	10.59	3.34
UF 1.06	1771193.99	5893384.12	7.51	10.44	2.93
UF 1.07	1771198.82	5893374.60	7.55	10.26	2.71
UF 1.08	1771207.70	5893361.45	7.96	10.33	2.37
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REV	REVISION DETAILS	BY	DATE
B	UNDERFILL DRAIN DATA ADDED	RGP	18.01.22
A	ISSUED FOR ASBUILT	RGP	13.12.21

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 APPROVED: DATE: 18.01.22  
 RJP

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**CIVILPLAN**  
CONSULTANTS

Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED**  
 STAGE 2B PARK ESTATE ROAD  
 HINGAIA - ENG60374504

SHEET TITLE:  
**ISOPACH ASBUILT**  
 DETAIL SHEET 3

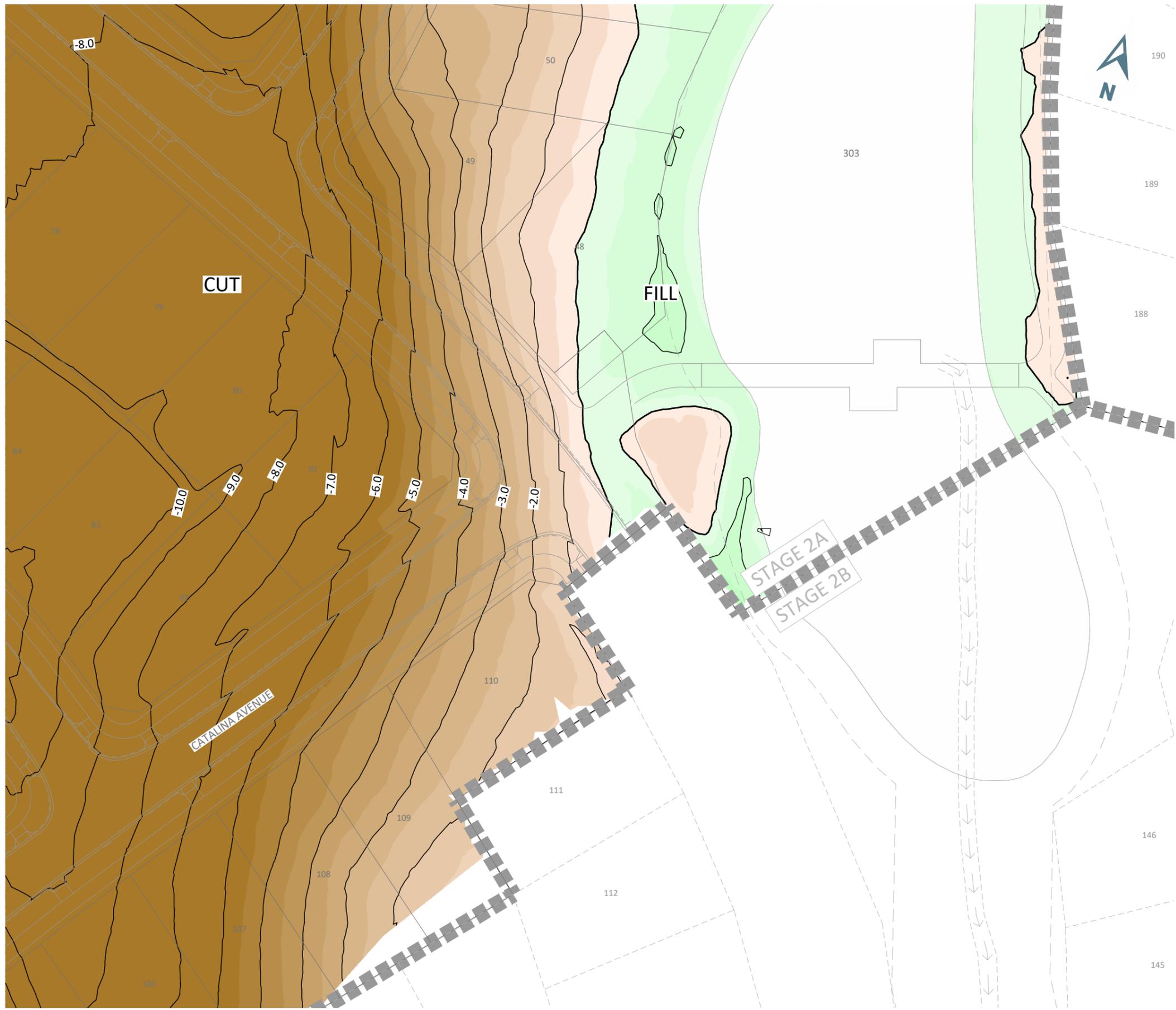
ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) 1:250 / 1:500

SCALE BAR 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB222** REV: **B**

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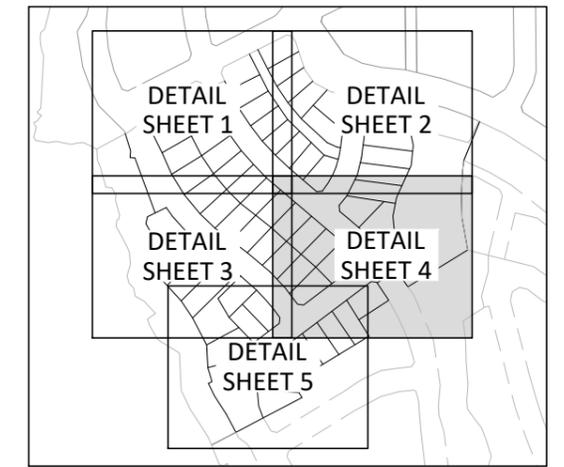


**LEGEND**

- ASBUILT**
- 0.2— ASBUILT CUT ISOPACH
  - 0.2— ASBUILT FILL ISOPACH
  - EARTHWORKS ZERO CUT/FILL LINE
  - EARTHWORK EXTENT
  - — — — — UNDERFILL DRAIN
- CUT** ASBUILT CUT
- FILL** ASBUILT FILL

**NOTES**

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
3. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE CONTOURS SHOWN ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 18.01.21  
DATE

REV	REVISION DETAILS	BY	DATE
B	UNDERFILL DRAIN DATA ADDED	RGP	18.01.22
A	ISSUED FOR ASBUILT	RGP	13.12.21

DRAWN	DATE
RGP	12.2021
CHECKED	DATE
RJP	18.01.22
APPROVED	DATE
RJP	18.01.22

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2B PARK ESTATE ROAD  
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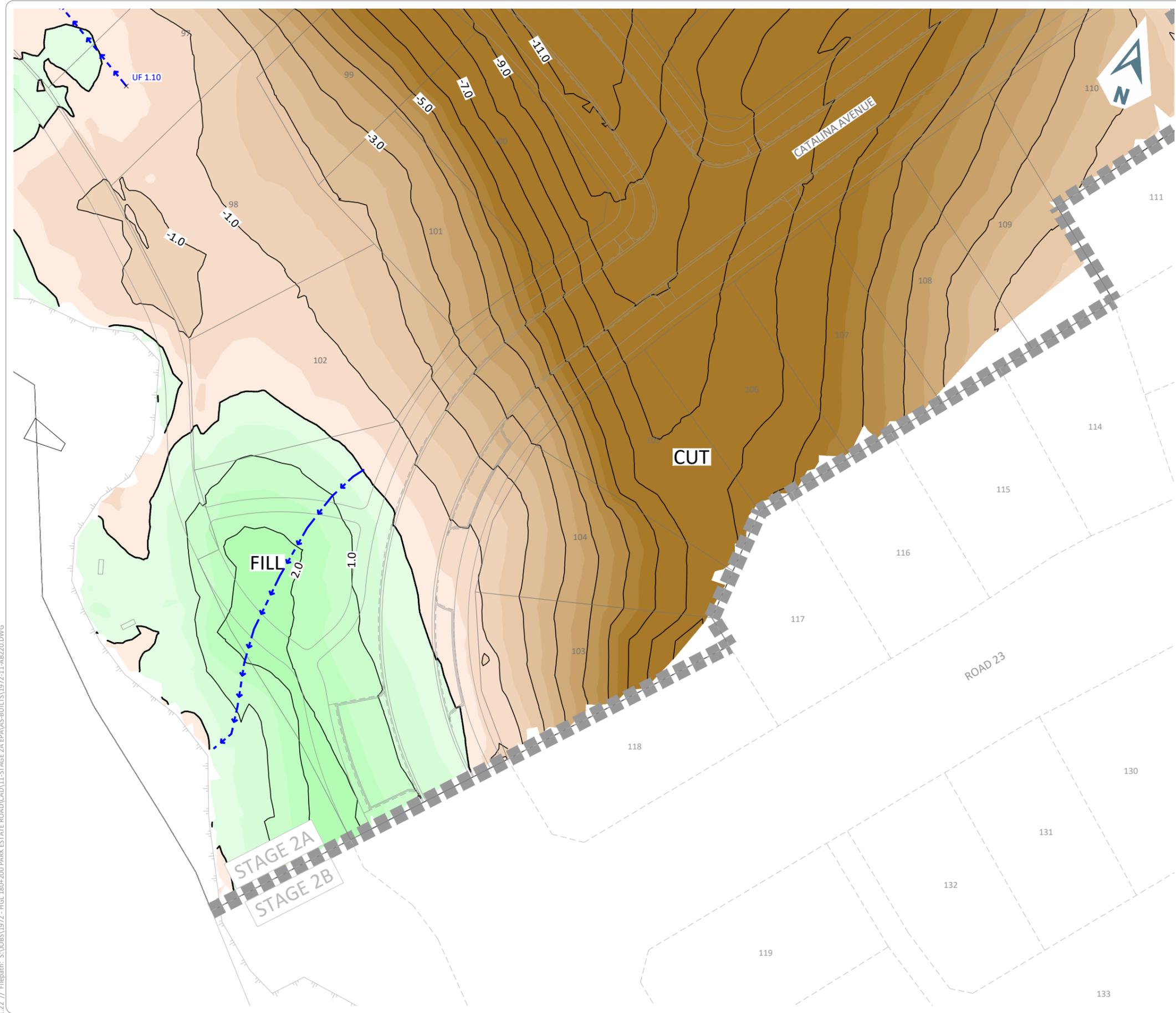
SHEET TITLE:  
**ISOPACH ASBUILT  
DETAIL SHEET 4**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR 1:500@A3 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB223** REV: **B**



**LEGEND**

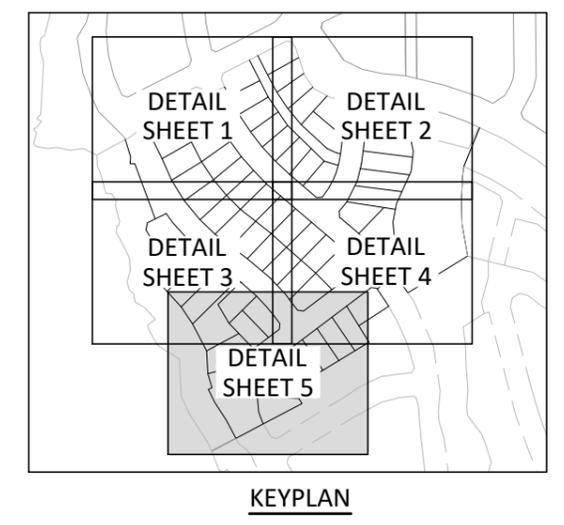
**ASBUILT**

- 0.2— ASBUILT CUT ISOPACH
- 0.2— ASBUILT FILL ISOPACH
- — — — — EARTHWORKS ZERO CUT/FILL LINE
- — — — — EARTHWORK EXTENT
- — — — — UNDERFILL DRAIN

**CUT** ASBUILT CUT

**FILL** ASBUILT FILL

- NOTES**
- LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
  - COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
  - CONSTRUCTION WAS UNDERTAKEN IN 2021.



I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE CONTOURS SHOWN ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 18.01.21  
DATE

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REV	REVISION DETAILS	BY	DATE
B	UNDERFILL DRAIN DATA ADDED	RGP	18.01.22
A	ISSUED FOR ASBUILT	RGP	13.12.21

DRAWN:	DATE:
RGP	12.20.21
CHECKED:	DATE:
RJP	18.01.22
APPROVED:	DATE:
RJP	18.01.22

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2B PARK ESTATE ROAD  
HINGAIA - ENG60374504**

SHEET TITLE:  
**ISOPACH ASBUILT  
DETAIL SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

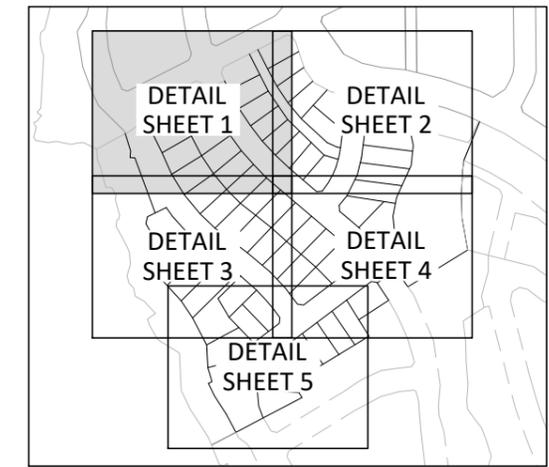
DRAWING NUMBER: **1972-11-AB224** REV: **B**



**LEGEND**

-  ASPHALTIC CONCRETE (FULL PAVEMENT CONSTRUCTION) REFER TO TABLE BELOW FOR BUILD UP
-  FOOTPATHS AND PARKING BAYS: EXPOSED AGGREGATE (MANGATANGI SUNSET PEBBLE NO OXIDE) 20MPa UNREINFORCED (FOOTPATHS) OR 661 MESH REINFORCED (PARKING BAYS) 20MPa CONCRETE
-  PROPOSED PRAM CROSSING TO AT STANDARD FP009
-  TIMBER BOARDWALK (SEE ASBUILT CROSS SECTIONS ON AB305-306)

SUBGRADE STRENGTH	BLACK SAND (mm)	SUBBASE DEPTH (mm)	BASECOURSE DEPTH (mm)	SURFACING DEPTH (mm)	TOTAL PAVEMENT DEPTH (mm)
CBR		GAP 65	AP40 NZTA M/4 - STABILISED WITH 1.5% CEMENT	DG10 ASPHALT (NZTA MIX 15)	
1%	900	300	150	40	1490
2%	300	400	150	40	890
3%	300	300	150	40	790



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



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 DATE  
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NO	REVISION	DATE
A	ISSUED FOR ASBUILT	13.12.21
REV	REVISION DETAILS	DATE

DRAWN: RGP	DATE: 12.2021
CHECKED: RJP	DATE: 13.12.21
APPROVED: RJP	DATE: 13.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

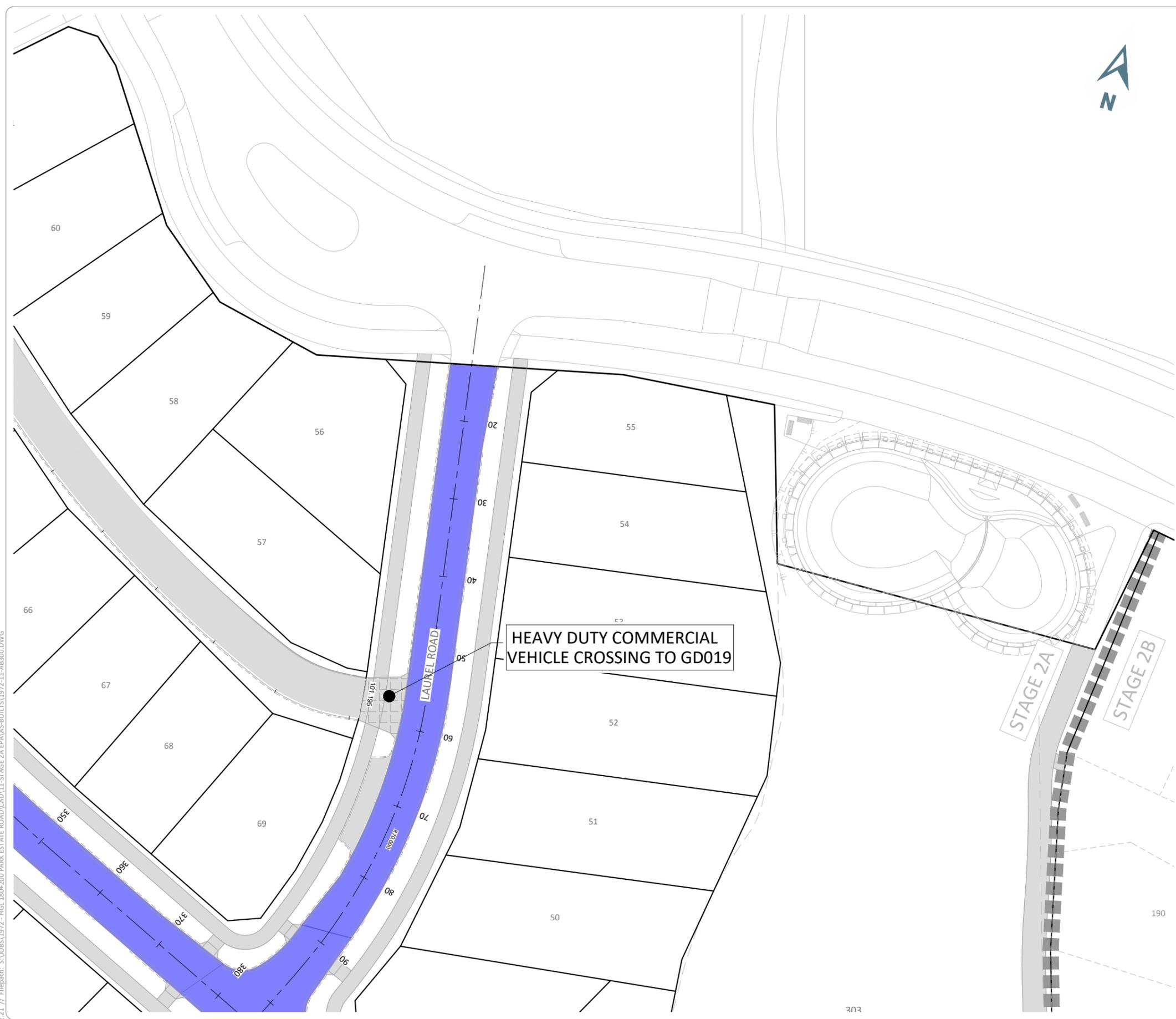
SHEET TITLE:  
**ROADING PAVEMENT ASBUILT  
 DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB300** REV: **A**

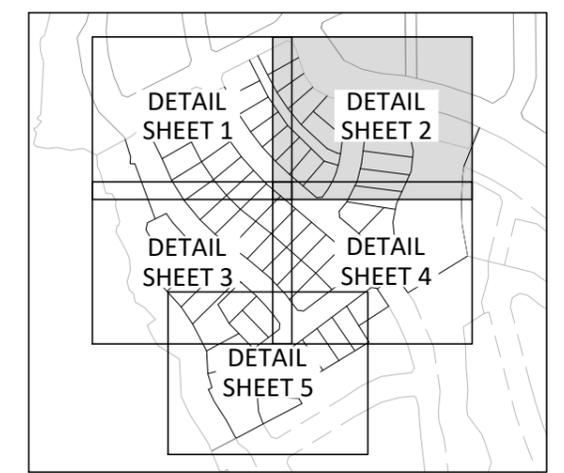


**LEGEND**

-  ASPHALTIC CONCRETE (FULL PAVEMENT CONSTRUCTION) REFER TO TABLE BELOW FOR BUILD UP
-  FOOTPATHS AND PARKING BAYS: EXPOSED AGGREGATE (MANGATANGI SUNSET PEBBLE NO OXIDE) 20MPa UNREINFORCED (FOOTPATHS) OR 661 MESH REINFORCED (PARKING BAYS) 20MPa CONCRETE
-  PROPOSED PRAM CROSSING TO AT STANDARD FP009
-  TIMBER BOARDWALK (SEE ASBUILT CROSS SECTIONS ON AB305-306)

SUBGRADE STRENGTH	BLACK SAND (mm)	SUBBASE DEPTH (mm)	BASECOURSE DEPTH (mm)	SURFACING DEPTH (mm)	TOTAL PAVEMENT DEPTH (mm)
CBR		GAP 65	AP40 NZTA M/4 - STABILISED WITH 1.5% CEMENT	DG10 ASPHALT (NZTA MIX 15)	
1%	900	300	150	40	1490
2%	300	400	150	40	890
3%	300	300	150	40	790

HEAVY DUTY COMMERCIAL VEHICLE CROSSING TO GD019



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



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NO	ISSUED FOR ASBUILT	BY	DATE
A	ISSUED FOR ASBUILT	RGP	13.12.21
REV	REVISION DETAILS		

DRAWN	DATE
RGP	12.2021
CHECKED	DATE
RJP	13.12.21
APPROVED	DATE
RJP	13.12.21

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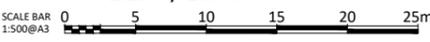
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

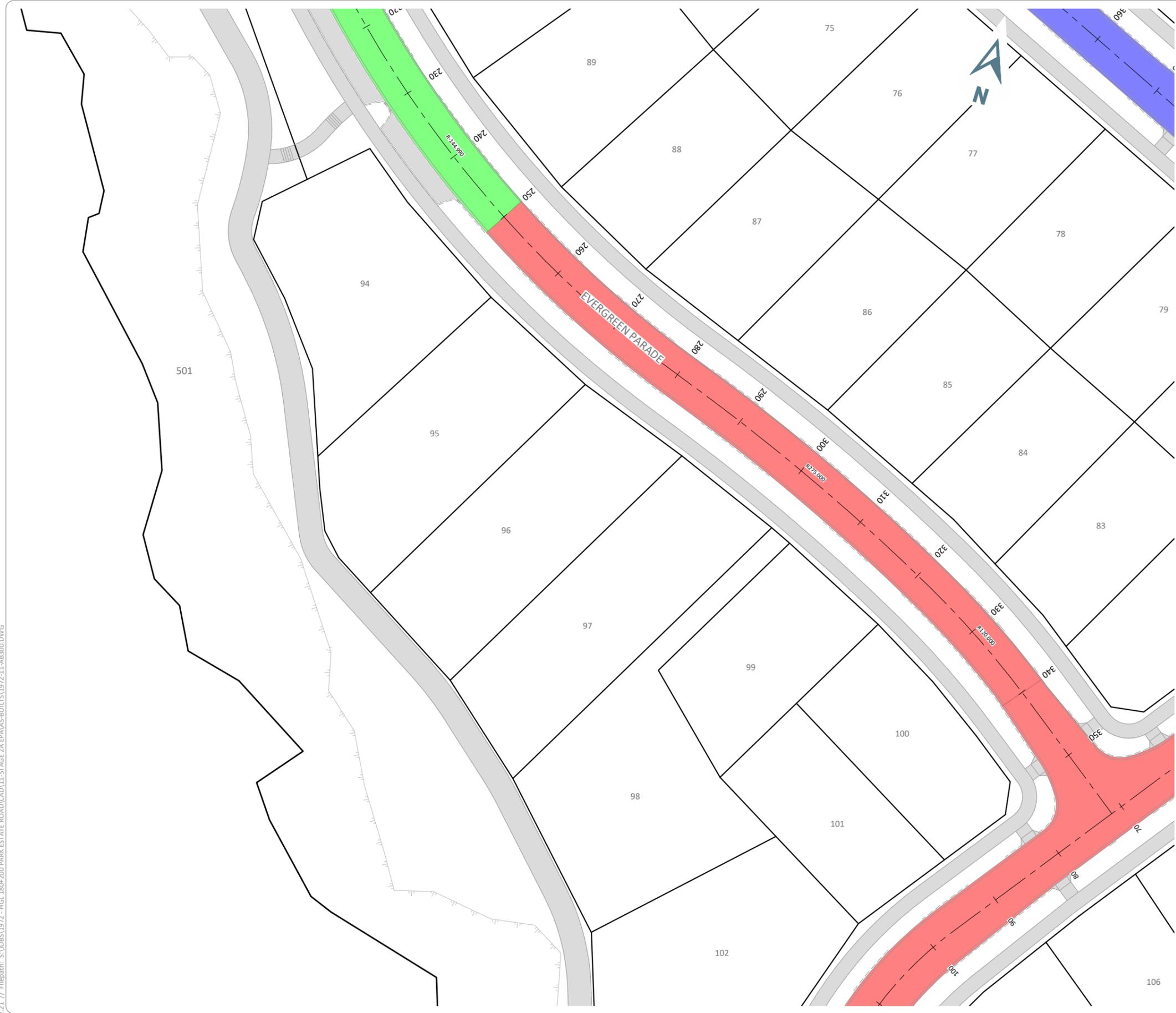
SHEET TITLE:  
**ROADING PAVEMENT ASBUILT  
 DETAIL SHEET 2**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR 1:500@A3 

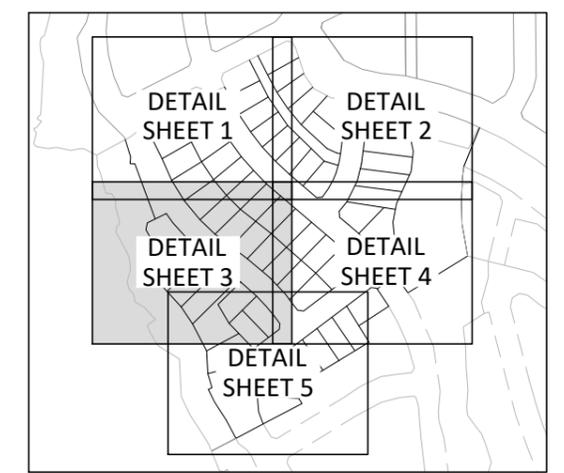
DRAWING NUMBER: **1972-11-AB301** REV: **A**



**LEGEND**

-  ASPHALTIC CONCRETE (FULL PAVEMENT CONSTRUCTION) REFER TO TABLE BELOW FOR BUILD UP
-  FOOTPATHS AND PARKING BAYS: EXPOSED AGGREGATE (MANGATANGI SUNSET PEBBLE NO OXIDE) 20MPa UNREINFORCED (FOOTPATHS) OR 661 MESH REINFORCED (PARKING BAYS) 20MPa CONCRETE
-  PROPOSED PRAM CROSSING TO AT STANDARD FP009
-  TIMBER BOARDWALK (SEE ASBUILT CROSS SECTIONS ON AB305-306)

SUBGRADE STRENGTH	BLACK SAND (mm)	SUBBASE DEPTH (mm)	BASECOURSE DEPTH (mm)	SURFACING DEPTH (mm)	TOTAL PAVEMENT DEPTH (mm)
CBR		GAP 65	AP40 NZTA M/4 - STABILISED WITH 1.5% CEMENT	DG10 ASPHALT (NZTA MIX 15)	
1%	900	300	150	40	1490
2%	300	400	150	40	890
3%	300	300	150	40	790



**KEYPLAN**

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DATE	BY	DATE	BY
12.2021	RGP	13.12.21	RGP
13.12.21	RJP	13.12.21	RJP
13.12.21	RJP	13.12.21	RJP

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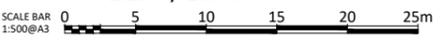
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PROJECT TITLE:  
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 HINGAIA - ENG60369380**

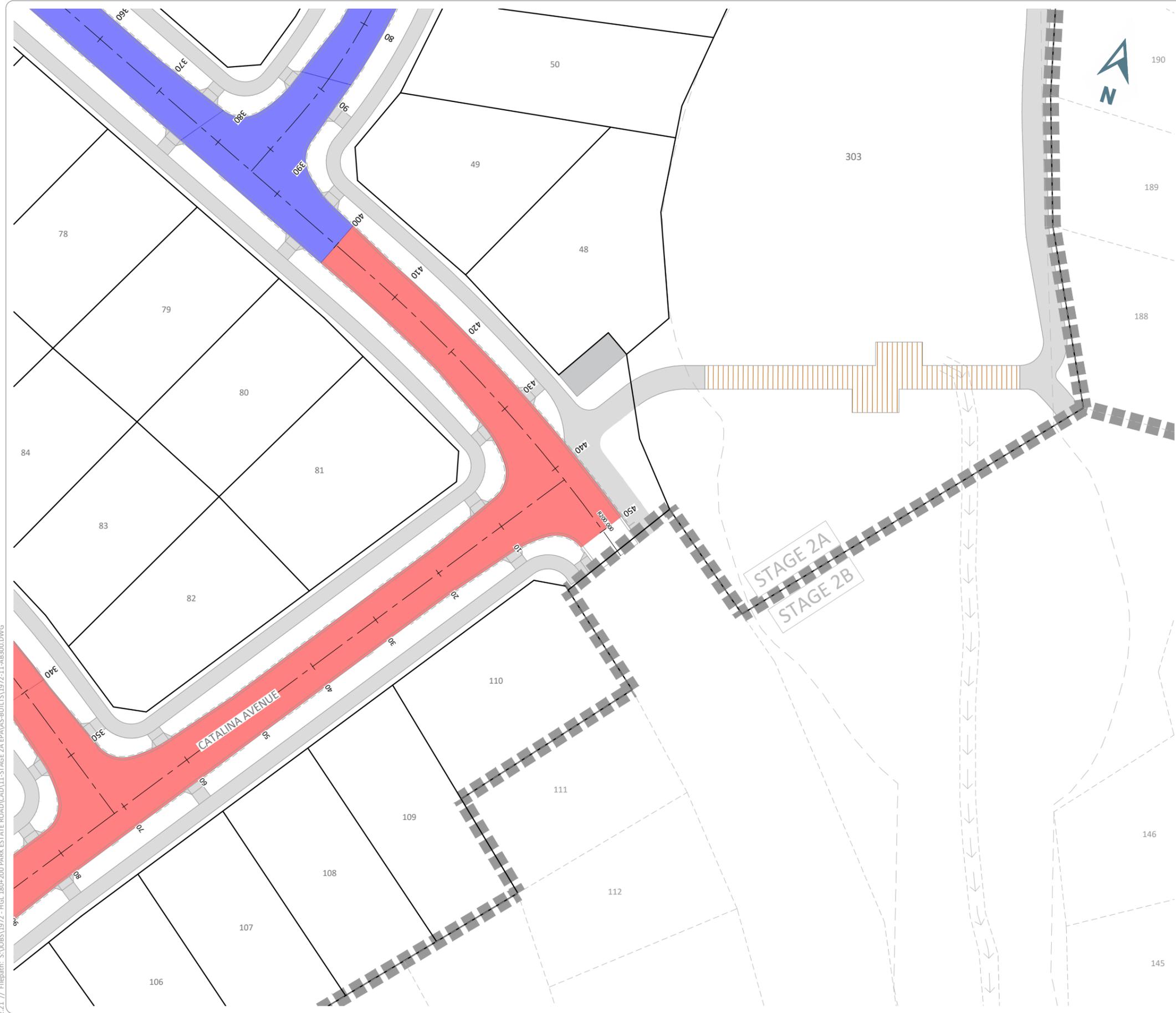
SHEET TITLE:  
**ROADING PAVEMENT ASBUILT  
 DETAIL SHEET 3**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

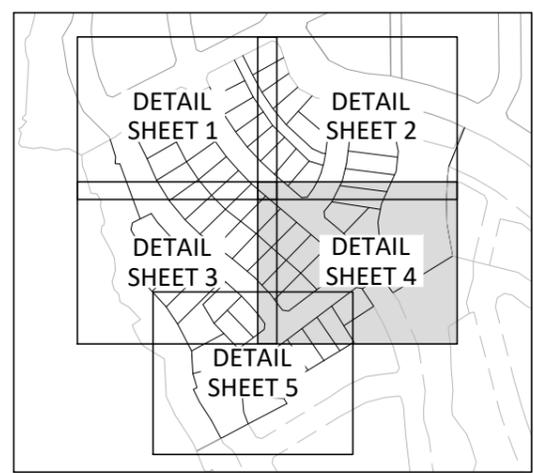
SCALE BAR 1:500@A3 

DRAWING NUMBER: **1972-11-AB302** REV: **A**



- LEGEND**
- ASPHALTIC CONCRETE (FULL PAVEMENT CONSTRUCTION) REFER TO TABLE BELOW FOR BUILD UP
  - FOOTPATHS AND PARKING BAYS: EXPOSED AGGREGATE (MANGATANGI SUNSET PEBBLE NO OXIDE) 20MPa UNREINFORCED (FOOTPATHS) OR 661 MESH REINFORCED (PARKING BAYS) 20MPa CONCRETE
  - PROPOSED PRAM CROSSING TO AT STANDARD FP009
  - TIMBER BOARDWALK (SEE ASBUILT CROSS SECTIONS ON AB305-306)

SUBGRADE STRENGTH	BLACK SAND (mm)	SUBBASE DEPTH (mm)	BASECOURSE DEPTH (mm)	SURFACING DEPTH (mm)	TOTAL PAVEMENT DEPTH (mm)
CBR		GAP 65	AP40 NZTA M/4 - STABILISED WITH 1.5% CEMENT	DG10 ASPHALT (NZTA MIX 15)	
1%	900	300	150	40	1490
2%	300	400	150	40	890
3%	300	300	150	40	790



**KEYPLAN**

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REV	ISSUED FOR ASBUILT	REVISION DETAILS	BY	DATE
A	ISSUED FOR ASBUILT		RGP	13.12.21

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 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

SHEET TITLE:  
**ROADING PAVEMENT ASBUILT  
 DETAIL SHEET 4**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

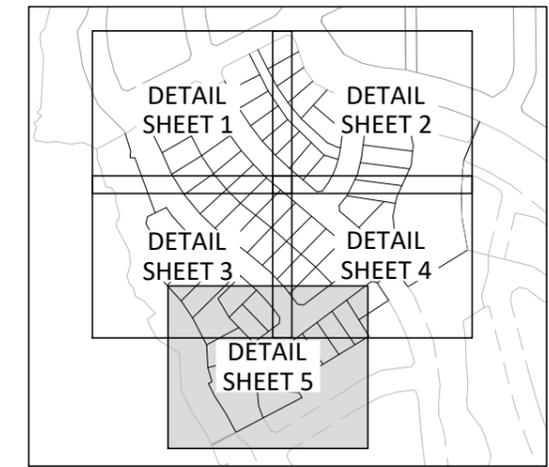
DRAWING NUMBER: **1972-11-AB303** REV: **A**



**LEGEND**

-  ASPHALTIC CONCRETE (FULL PAVEMENT CONSTRUCTION) REFER TO TABLE BELOW FOR BUILD UP
-  FOOTPATHS AND PARKING BAYS: EXPOSED AGGREGATE (MANGATANGI SUNSET PEBBLE NO OXIDE) 20MPa UNREINFORCED (FOOTPATHS) OR 661 MESH REINFORCED (PARKING BAYS) 20MPa CONCRETE
-  PROPOSED PRAM CROSSING TO AT STANDARD FP009
-  TIMBER BOARDWALK (SEE ASBUILT CROSS SECTIONS ON AB305-306)

SUBGRADE STRENGTH	BLACK SAND (mm)	SUBBASE DEPTH (mm)	BASECOURSE DEPTH (mm)	SURFACING DEPTH (mm)	TOTAL PAVEMENT DEPTH (mm)
CBR		GAP 65	AP40 NZTA M/4 - STABILISED WITH 1.5% CEMENT	DG10 ASPHALT (NZTA MIX 15)	
1%	900	300	150	40	1490
2%	300	400	150	40	890
3%	300	300	150	40	790



**KEYPLAN**

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REV	ISSUED FOR ASBUILT	BY	DATE
A	ISSUED FOR ASBUILT	RGP	13.12.21
	REVISION DETAILS		

DRAWN:	DATE:	RGP	12.2021
CHECKED:	DATE:	RJP	13.12.21
APPROVED:	DATE:	RJP	13.12.21

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PROJECT TITLE:  
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 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

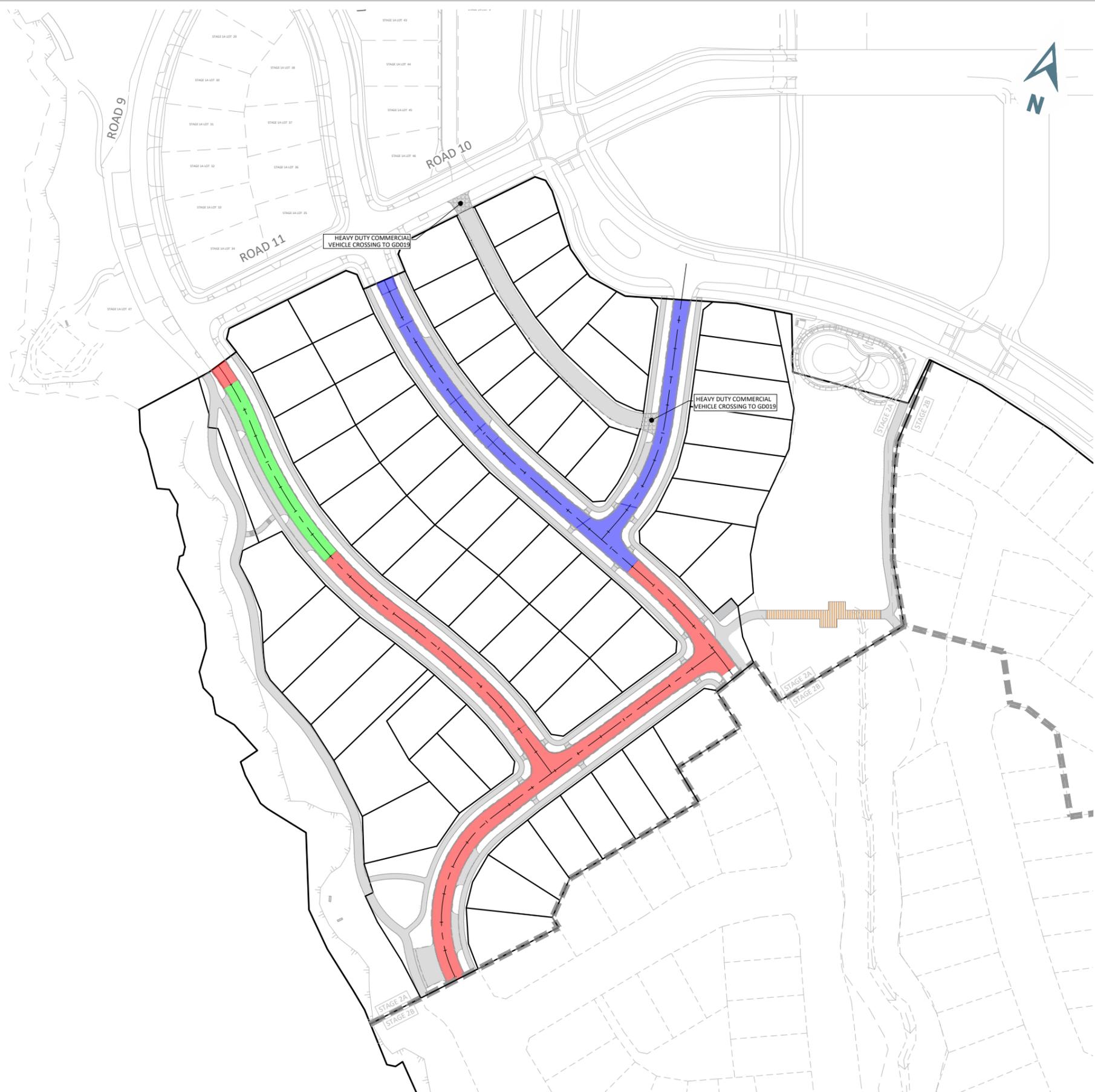
SHEET TITLE:  
**ROADING PAVEMENT ASBUILT  
 DETAIL SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

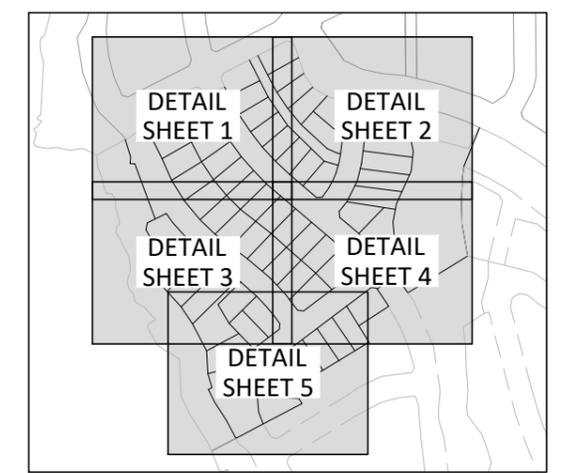
DRAWING NUMBER: **1972-11-AB304** REV: **A**



**LEGEND**

- ASPHALTIC CONCRETE (FULL PAVEMENT CONSTRUCTION) REFER TO TABLE BELOW FOR BUILD UP
- FOOTPATHS AND PARKING BAYS:  
EXPOSED AGGREGATE (MANGATANGI SUNSET PEBBLE NO OXIDE) 20MPa UNREINFORCED (FOOTPATHS) OR 661 MESH REINFORCED (PARKING BAYS) 20MPa CONCRETE
- PROPOSED PRAM CROSSING TO AT STANDARD FP009
- TIMBER BOARDWALK (SEE ASBUILT CROSS SECTIONS ON AB305-306)

SUBGRADE STRENGTH	BLACK SAND (mm)	SUBBASE DEPTH (mm)	BASECOURSE DEPTH (mm)	SURFACING DEPTH (mm)	TOTAL PAVEMENT DEPTH (mm)
CBR		GAP 65	AP40 NZTA M/4 - STABILISED WITH 1.5% CEMENT	DG10 ASPHALT (NZTA MIX 15)	
1%	900	300	150	40	1490
2%	300	400	150	40	890
3%	300	300	150	40	790



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

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19.01.2022  
DATE  
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DATE	12.2021	BY	RGP
CHECKED	19.01.21	DATE	19.01.21
APPROVED	19.01.21	DATE	19.01.21
ISSUED FOR ASBUILT		REVISION DETAILS	

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

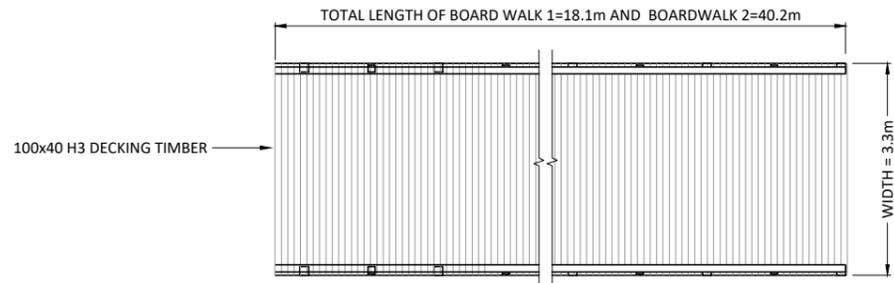
SHEET TITLE:  
**ROADING PAVEMENT ASBUILT  
OVERALL LAYOUT**

ISSUE STATUS: **ASBUILT ISSUE**

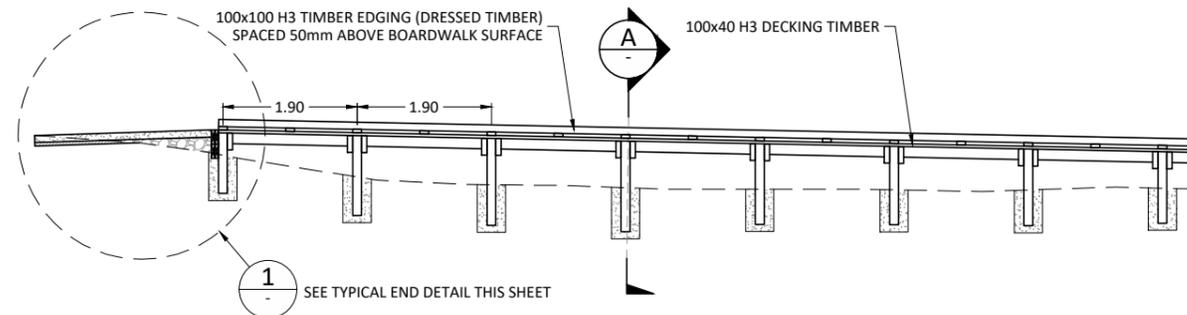
SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

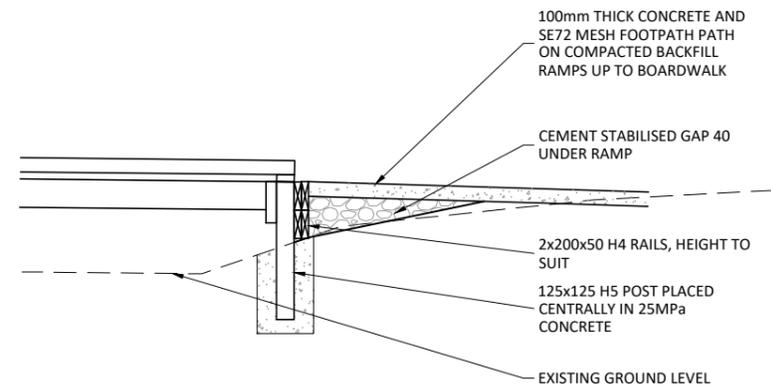
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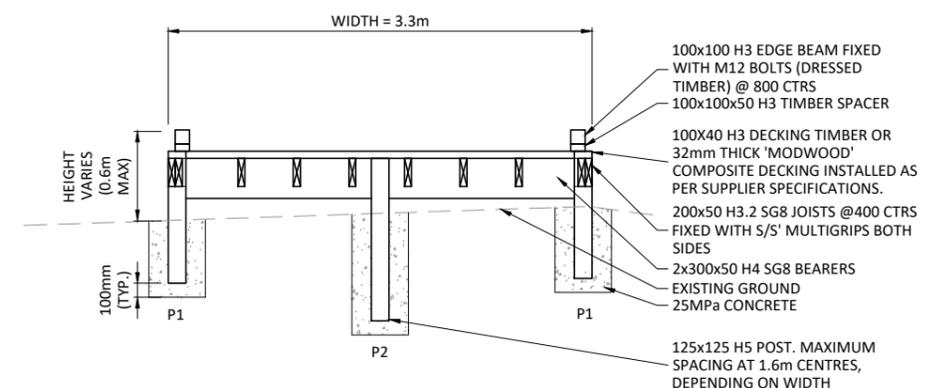
**TYPICAL PLAN**  
SCALE: (A1/A3) 1:50/1:100



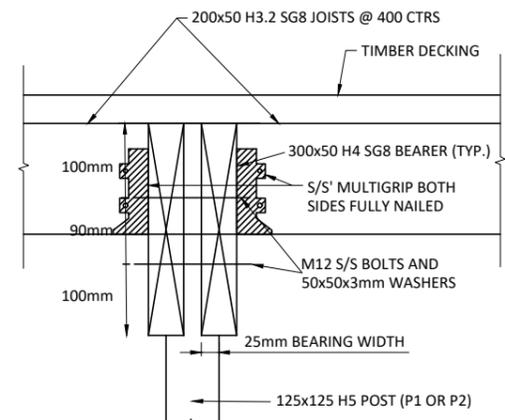
**TYPICAL ELEVATION**  
SCALE: (A1/A3) 1:50/1:100



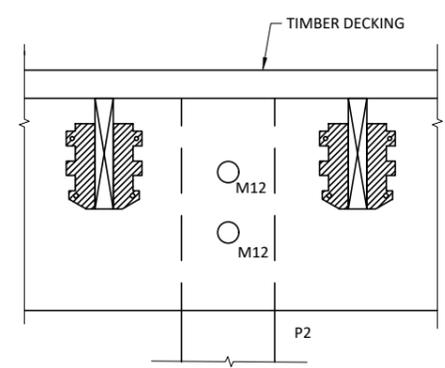
**TYPICAL END DETAIL**  
SCALE: (A1/A3) 1:25/1:50



**TYPICAL CROSS SECTION A**  
SCALE: (A1/A3) 1:25/1:50



**JOIST TO BEARER TO POST CONNECTION DETAIL 1**  
SCALE: (A1/A3) 1:50 / 1:100



**JOIST TO BEARER TO POST CONNECTION DETAIL 2**  
SCALE: (A1/A3) 1:50 / 1:100

**NOTES**

1. CONSTRUCTION WAS UNDERTAKEN IN 2021

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE BOARDWALK INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

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POST HOLE DIMENSIONS		
TYPE	DIAMETER	DEPTH INTO GOOD GROUND FOOTING
P1	400mm	600mm
P2	450mm	900mm (SEE BELOW)

\* 900mm MINIMUM OR 300mm BELOW UNDERSIDE OF ADJACENT FOOTINGS WHICHEVER IS DEEPER.

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DATE:	12.2021	DATE:	13.12.21
CHECKED:	RJP	CHECKED:	RJP
APPROVED:	RJP	APPROVED:	RJP
ISSUED FOR ASBUILT	BY: RGP	DATE:	13.12.21
REVISION DETAILS	BY:	DATE:	

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Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**TIMBER BOARDWALK ASBUILT  
DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**  
SCALE: (A1/A3) AS SHOWN  
SCALE BAR: NOT TO SCALE  
DRAWING NUMBER: **1972-11-AB305** REV: **A**



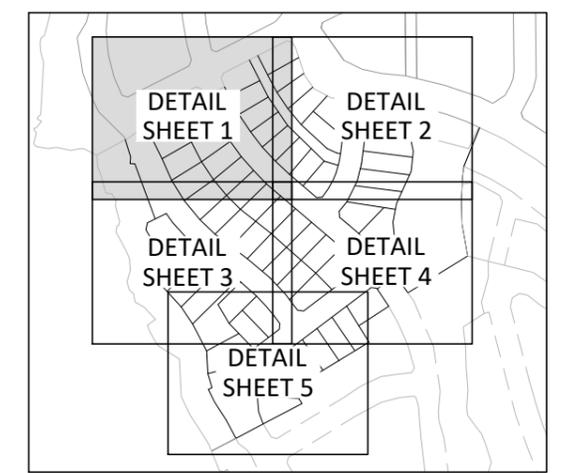


**LEGEND**

-  PROPOSED PRAM CROSSING AND PED TACTILE PAVING TO AT STANDARD FP009
-  ASBUILT SIGNAGE
-  ASBUILT LIGHTING
-  ASBUILT SEATING

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



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REV	ISSUED FOR ASBUILT	REVISION DETAILS	BY	DATE
A	ISSUED FOR ASBUILT		RGP	13.12.21

DRAWN:	DATE:	RGP	12.2021
CHECKED:	DATE:	RJP	13.12.21
APPROVED:	DATE:	RJP	13.12.21

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PROJECT TITLE:  
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 HINGAIA - ENG60369380**

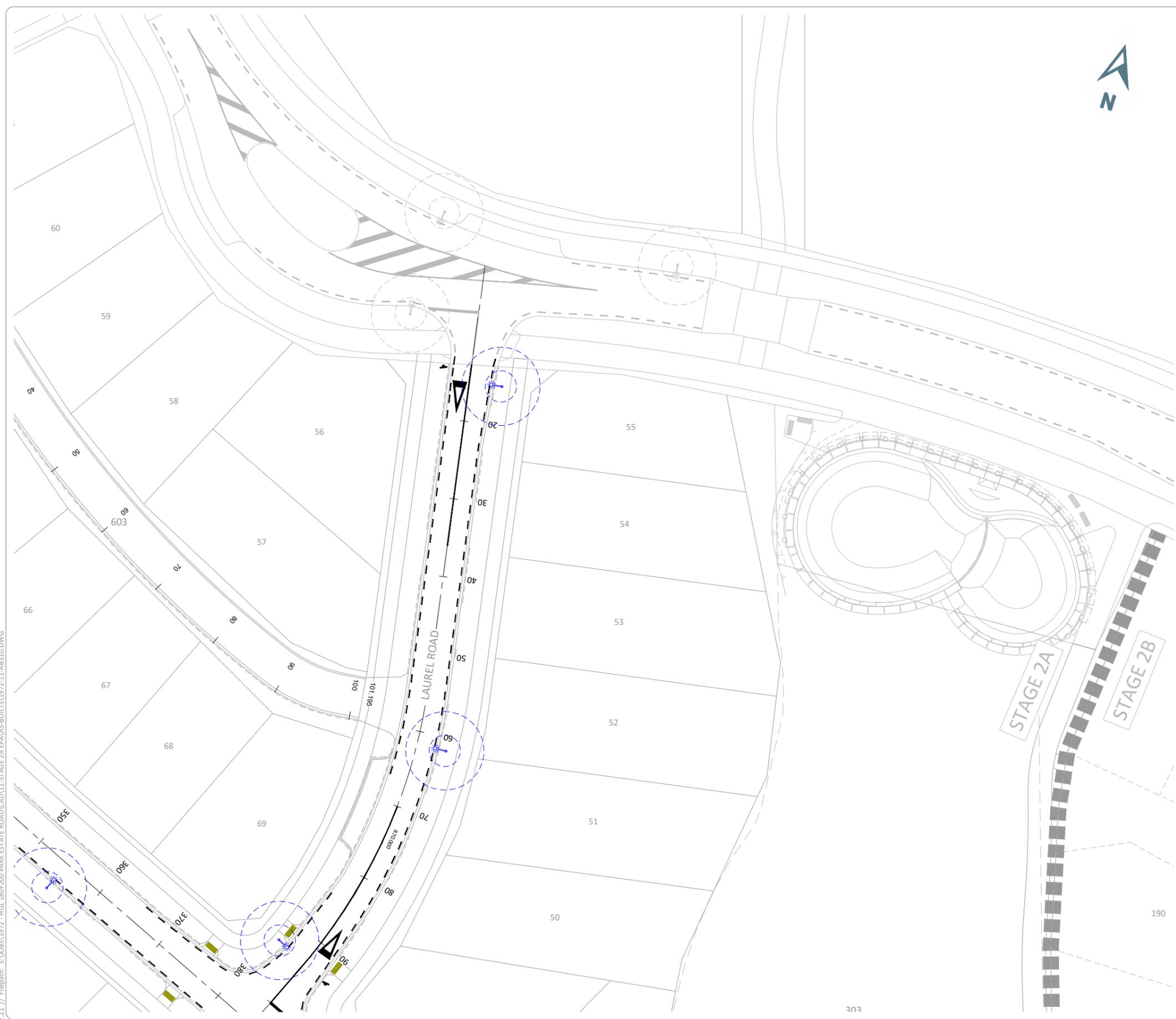
SHEET TITLE:  
**ROADING FEATURES ASBUILT  
 DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB310** REV: **A**

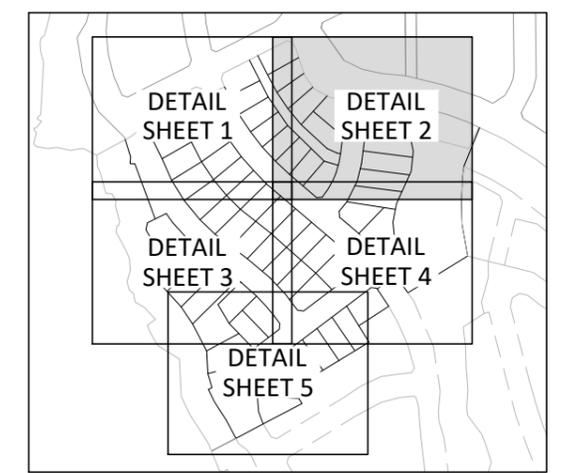


**LEGEND**

-  PROPOSED PRAM CROSSING AND PED TACTILE PAVING TO AT STANDARD FP009
-  ASBUILT SIGNAGE
-  ASBUILT LIGHTING
-  ASBUILT SEATING

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



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REV	ISSUED FOR ASBUILT	REVISION DETAILS	BY	DATE
A	ISSUED FOR ASBUILT		RGP	13.12.21

DRAWN:	RGP	DATE:	12.2021
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PROJECT TITLE:  
**HUGH GREEN LIMITED  
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 HINGAIA - ENG60369380**

SHEET TITLE:  
**ROADING FEATURES ASBUILT  
 DETAIL SHEET 2**

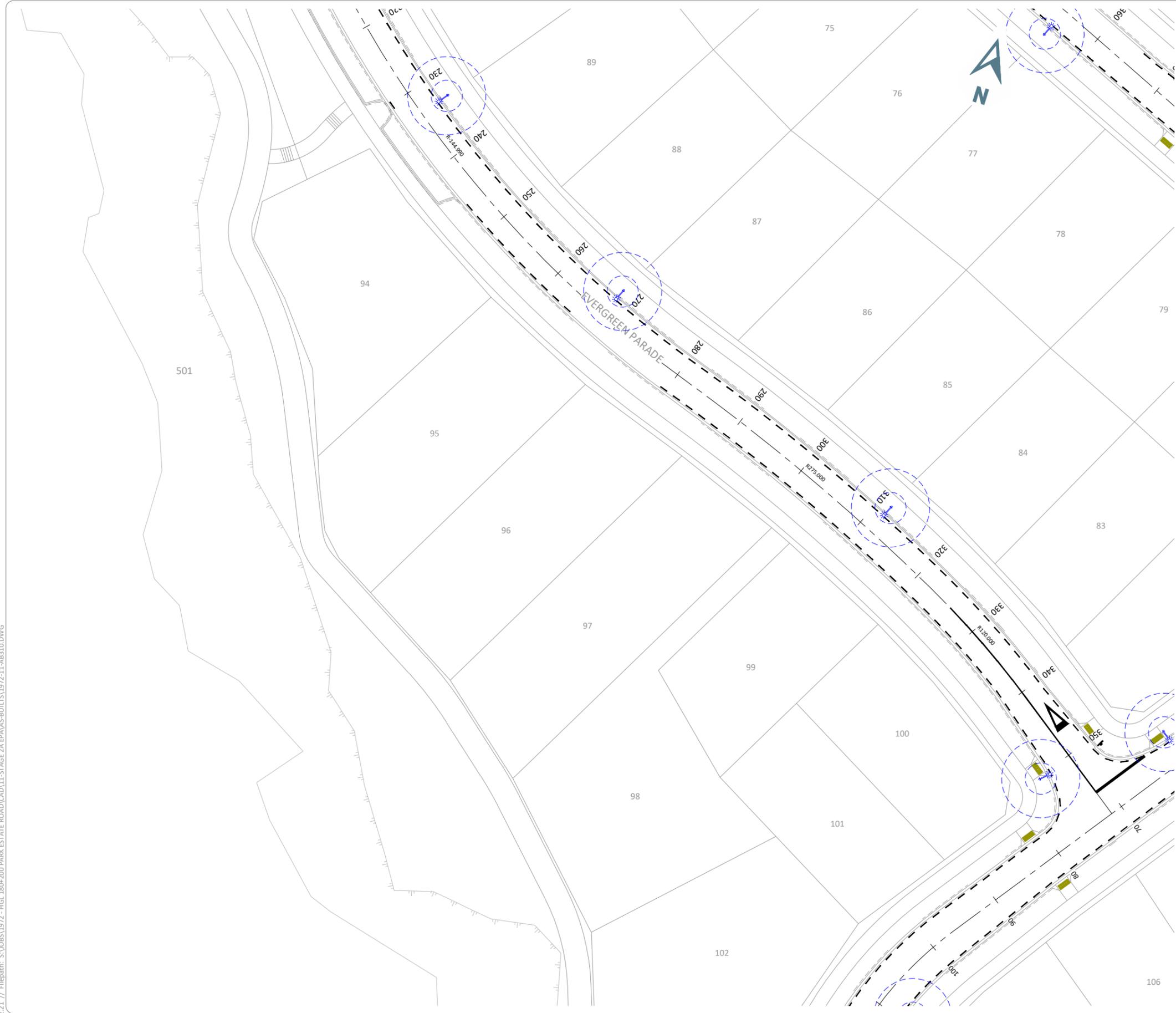
ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB311** REV: **A**

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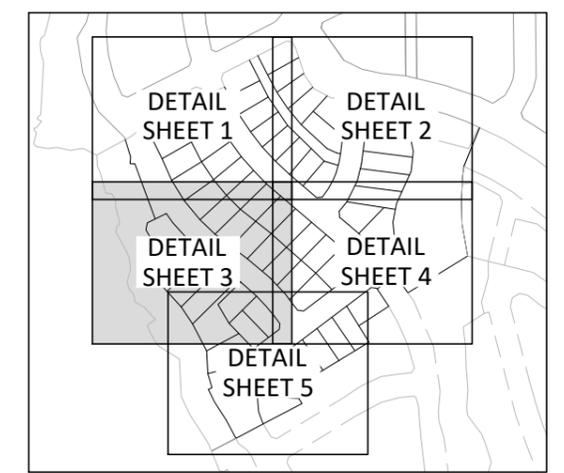


**LEGEND**

-  PROPOSED PRAM CROSSING AND PED TACTILE PAVING TO AT STANDARD FP009
-  ASBUILT SIGNAGE
-  ASBUILT LIGHTING
-  ASBUILT SEATING

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



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DATE	BY	DATE	BY
12.2021	RGP	13.12.21	RGP
13.12.21	RJP	13.12.21	RJP
13.12.21	RJP	13.12.21	RJP

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

SHEET TITLE:  
**ROADING FEATURES ASBUILT  
 DETAIL SHEET 3**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB312** REV: **A**



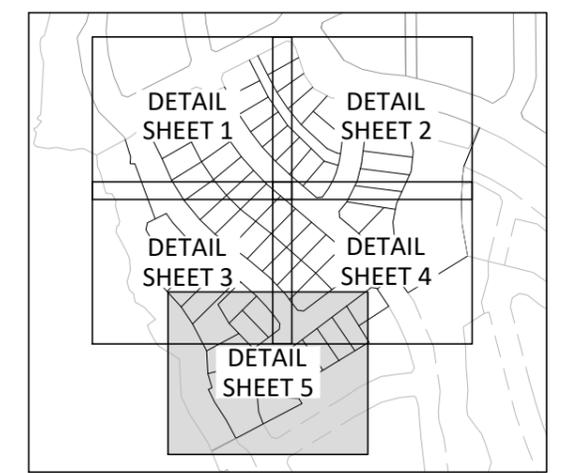


**LEGEND**

-  PROPOSED PRAM CROSSING AND PED TACTILE PAVING TO AT STANDARD FP009
-  ASBUILT SIGNAGE
-  ASBUILT LIGHTING
-  ASBUILT SEATING

**NOTES**

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2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

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DATE:	12.2021	BY:	RGP
CHECKED:	13.12.21	DATE:	13.12.21
APPROVED:	13.12.21	DATE:	13.12.21
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PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

SHEET TITLE:  
**ROADING FEATURES ASBUILT  
 DETAIL SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) 1:250 / 1:500

SCALE BAR 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB314** REV: **A**

**NOTES**

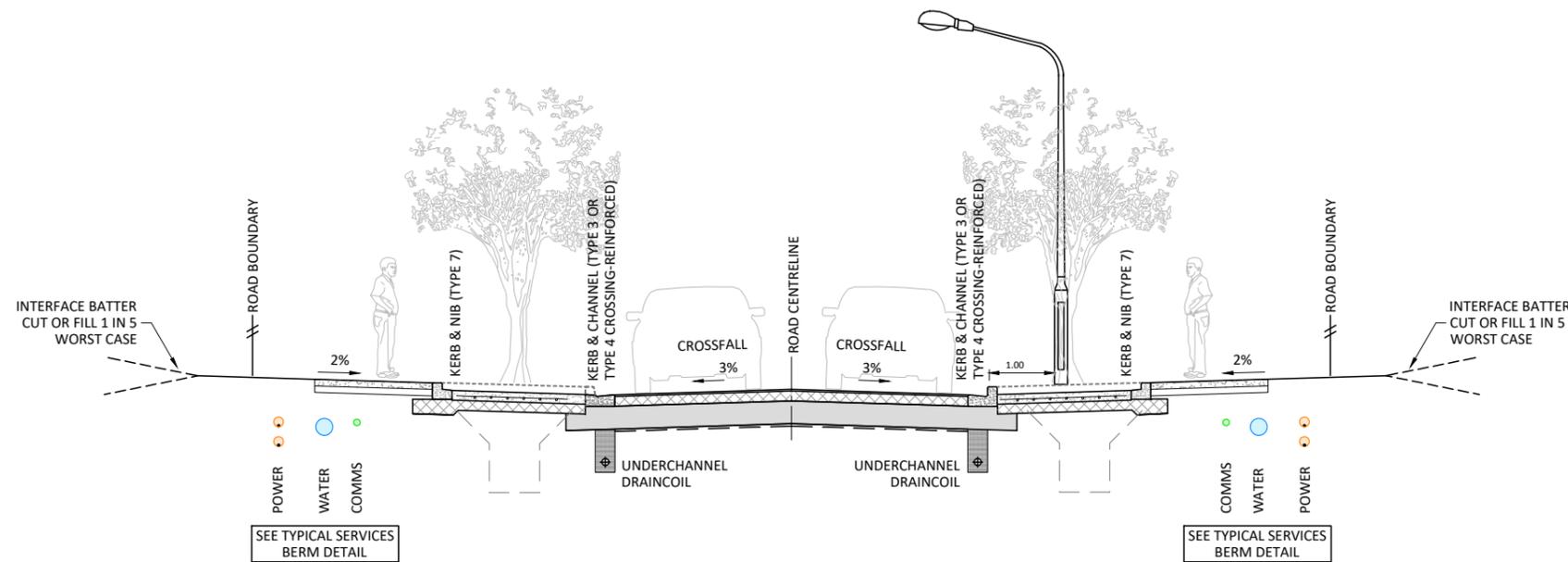
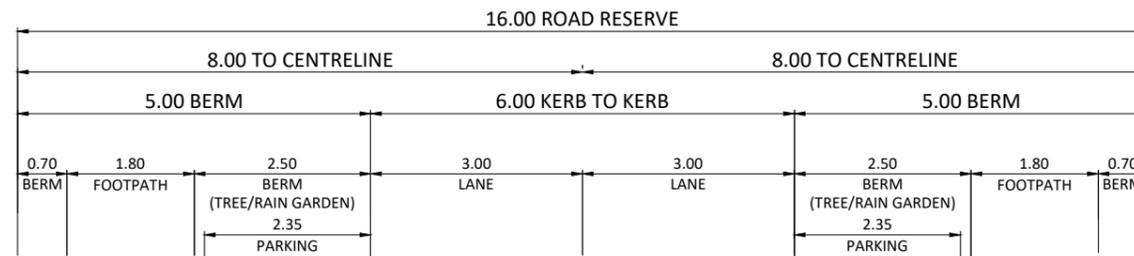
1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

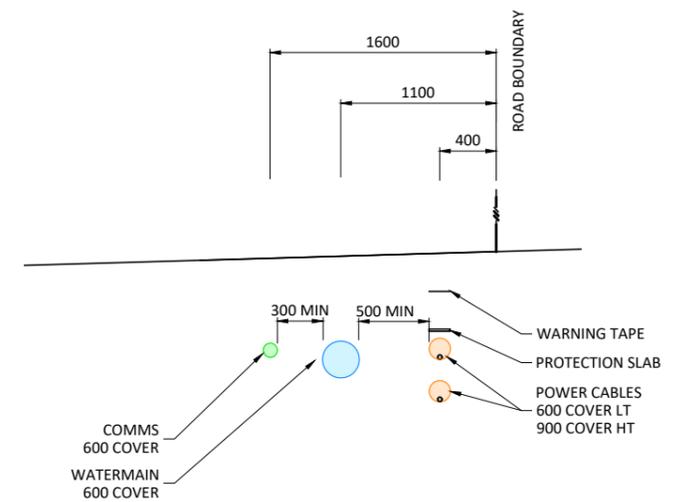


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EMAIL:

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**TYPICAL CROSS SECTION - ROAD 22 AND 7 (CH265-CH435)**



**TYPICAL SERVICES BERM LAYOUT**

SCALE: (A1/A3) 1:25 / 1:50

Printed by: RIDGLEY@13.12.21 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILTS\1972-11-AB330.DWG

DATE:	12.2021
CHECKED:	13.12.21
APPROVED:	13.12.21
ISSUED FOR ASBUILT	13.12.21
REVISION DETAILS	DATE

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**ASBUILT ROADING  
CROSS SECTIONS  
SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**  
SCALE: (A1/A3) 1:50 / 1:100  
SCALE BAR 1:100@A3  
DRAWING NUMBER: **1972-11-AB330** REV: **A**

**NOTES**

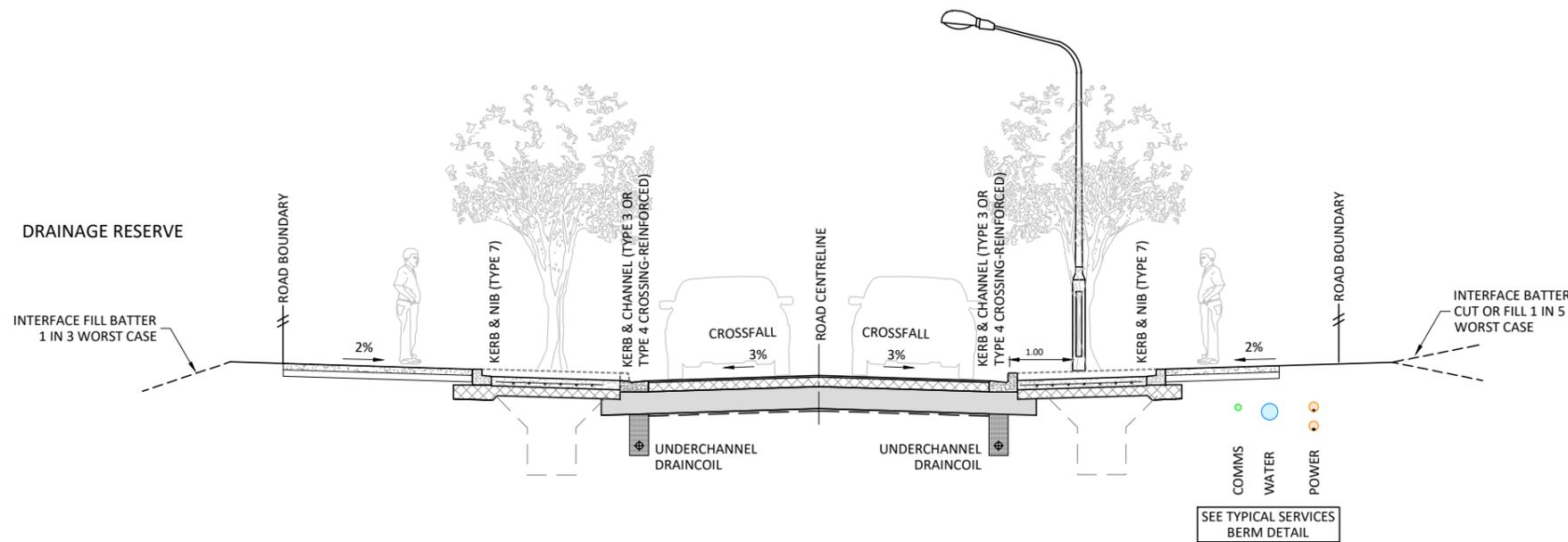
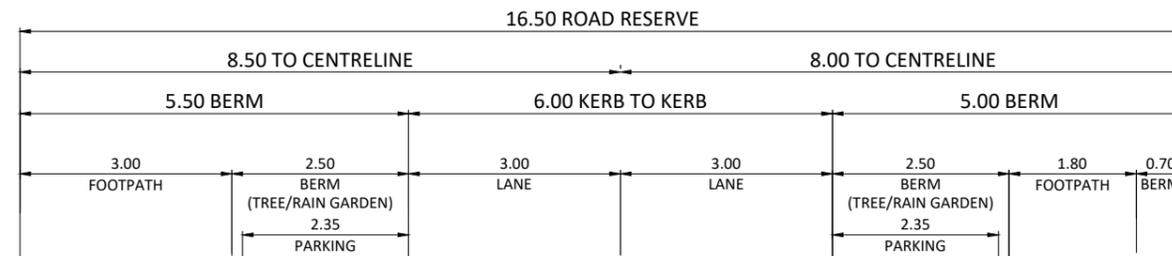
1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

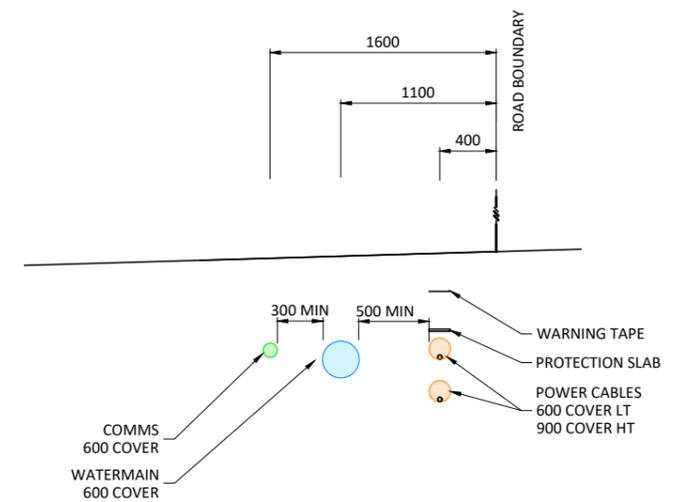


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13.12.2021  
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**TYPICAL CROSS SECTION - ROAD 7 CH435-END**



**TYPICAL SERVICES BERM LAYOUT**

SCALE: (A1/A3) 1:25 / 1:50

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DATE:	12.2021	BY:	RGP
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APPROVED:	13.12.21	DATE:	13.12.21
ISSUED FOR ASBUILT		REVISION DETAILS	

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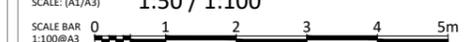


PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**ASBUILT ROADING  
CROSS SECTIONS  
SHEET 2**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) 1:50 / 1:100



DRAWING NUMBER: **1972-11-AB331** REV: **A**

**NOTES**

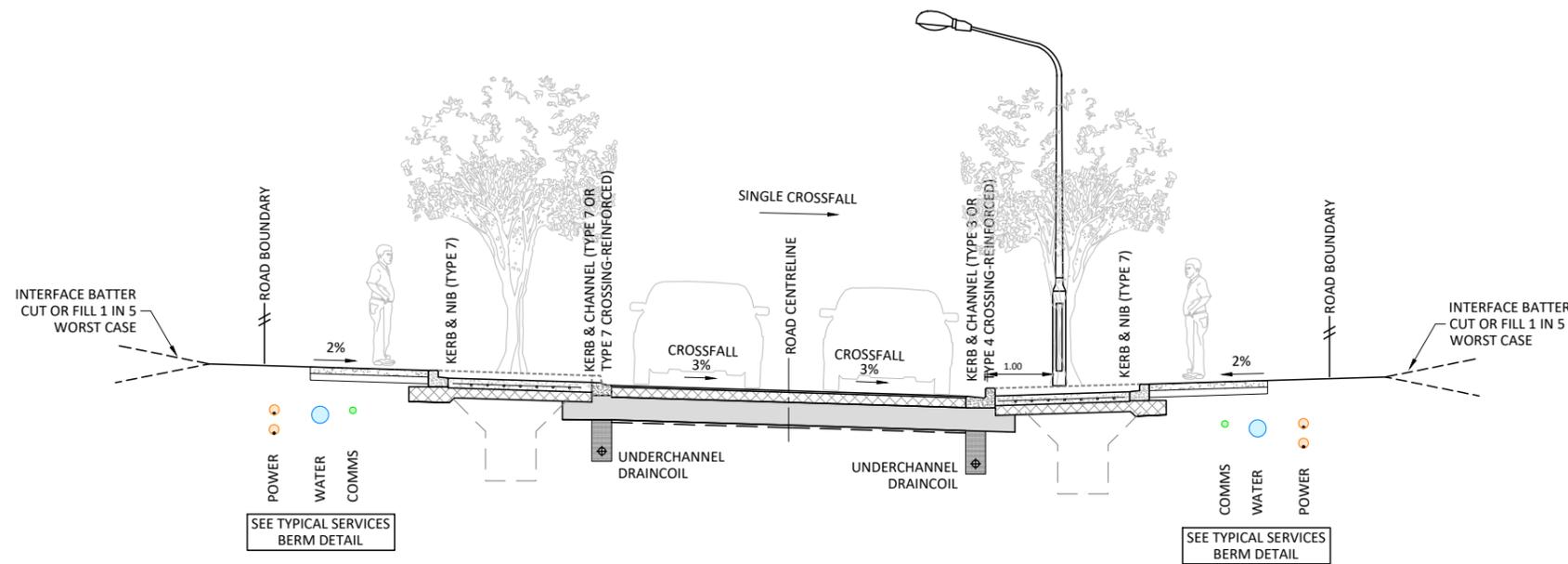
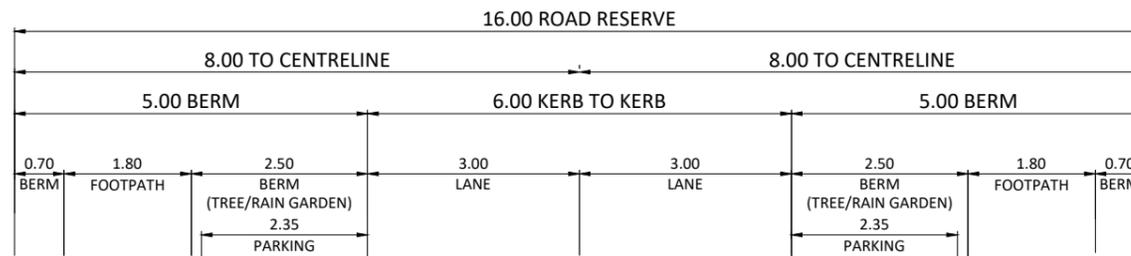
1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

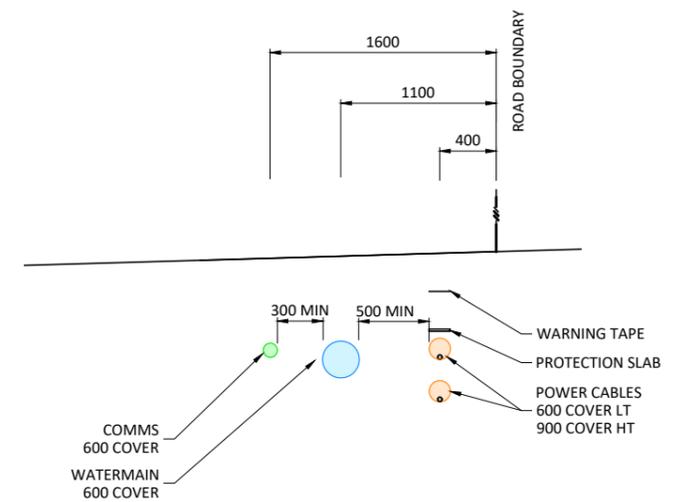


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**TYPICAL CROSS SECTION - ROAD 9**



**TYPICAL SERVICES BERM LAYOUT**

SCALE: (A1/A3) 1:25 / 1:50

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DATE:	12.2021	BY:	RGP
CHECKED:	13.12.21	DATE:	13.12.21
APPROVED:	13.12.21	DATE:	13.12.21
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PROJECT TITLE:  
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STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**ASBUILT ROADING  
CROSS SECTIONS  
SHEET 3**

ISSUE STATUS: **ASBUILT ISSUE**  
SCALE: (A1/A3) 1:50 / 1:100  
SCALE BAR 1:100@A3  
DRAWING NUMBER: **1972-11-AB332** REV: **A**

**NOTES**

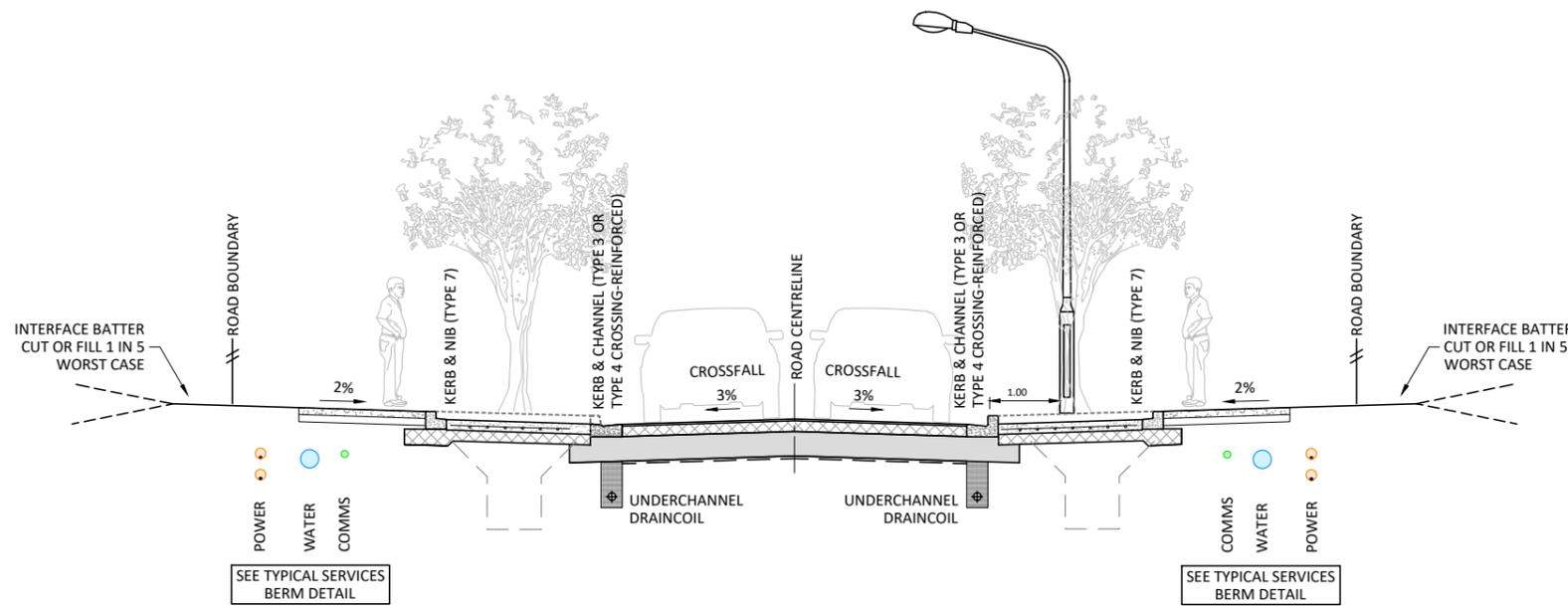
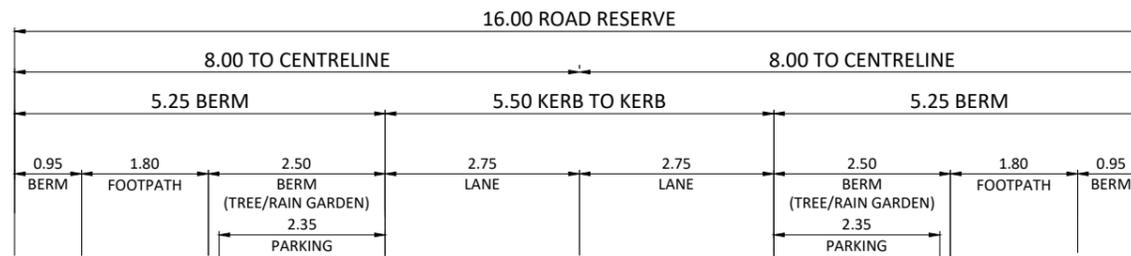
1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

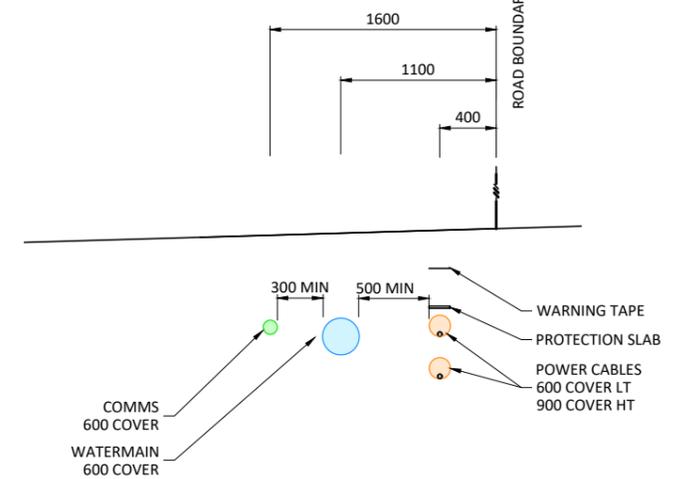


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CMENGNZ CPENG  
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EMAIL:

13.12.2021  
DATE  
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**TYPICAL CROSS SECTION - ROAD 19**



**TYPICAL SERVICES BERM LAYOUT**

SCALE: (A1/A3) 1:25 / 1:50

Printed by: RIDGLEY@13.12.21 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILTS\1972-11-AB330.DWG

DATE:	12.2021	BY:	RGP
CHECKED:	13.12.21	DATE:	13.12.21
APPROVED:	13.12.21	DATE:	13.12.21
ISSUED FOR ASBUILT		REVISION DETAILS	

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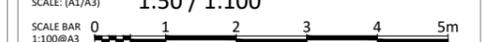
PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**ASBUILT ROADING  
CROSS SECTIONS  
SHEET 4**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) 1:50 / 1:100

SCALE BAR 1:100@A3



DRAWING NUMBER: **1972-11-AB333** REV: **A**

**NOTES**

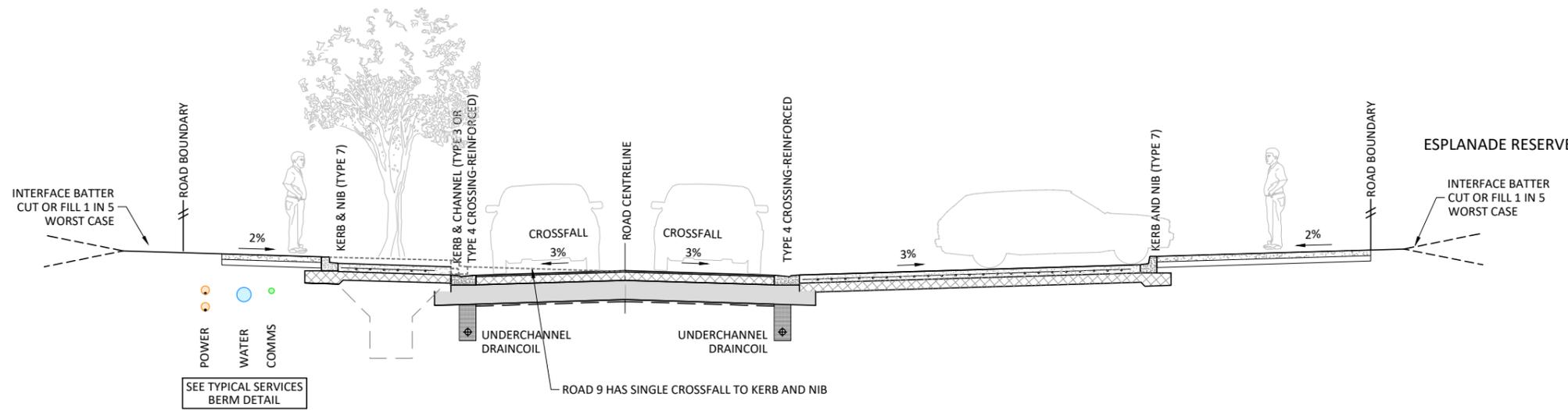
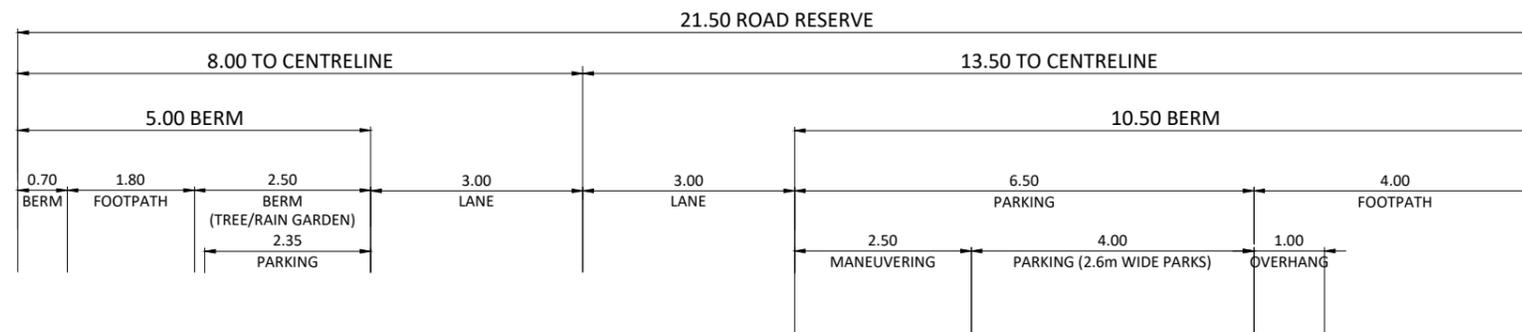
1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

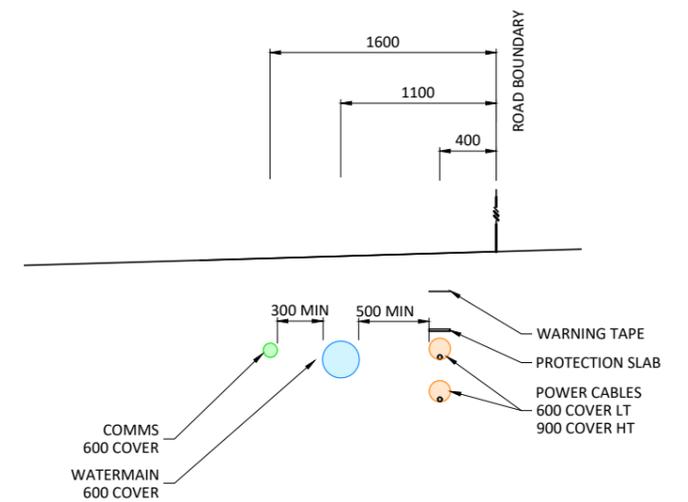


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**TYPICAL CROSS SECTION - 90 ° PARKING**



**TYPICAL SERVICES BERM LAYOUT**  
SCALE: (A1/A3) 1:25 / 1:50

Printed by: RIDGLEY@13.12.21 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILTS\1972-11-AB330.DWG

DATE:	12.2021
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APPROVED:	13.12.21
ISSUED FOR ASBUILT	BY: RGP
REVISION DETAILS	DATE: 13.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**ASBUILT ROADING  
CROSS SECTIONS  
SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**  
SCALE: (A1/A3) 1:50 / 1:100  
SCALE BAR 1:100@A3  
DRAWING NUMBER: **1972-11-AB334** REV: **A**

**NOTES**

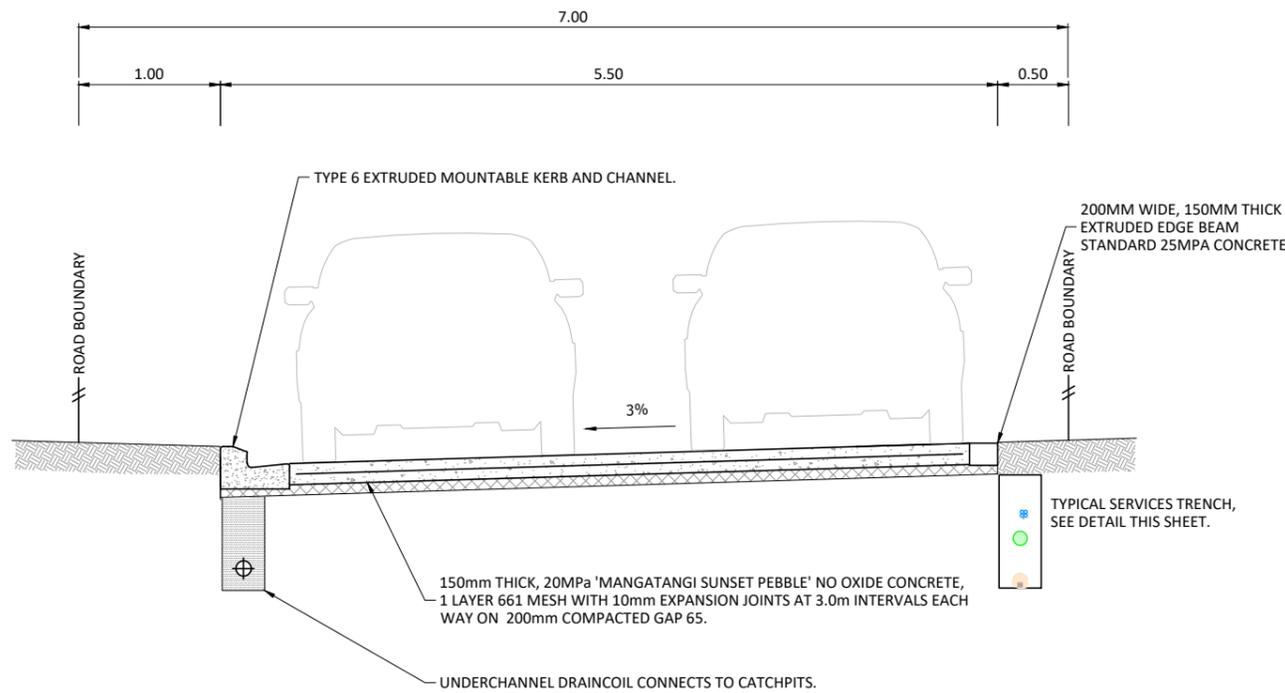
- CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE ROADING INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

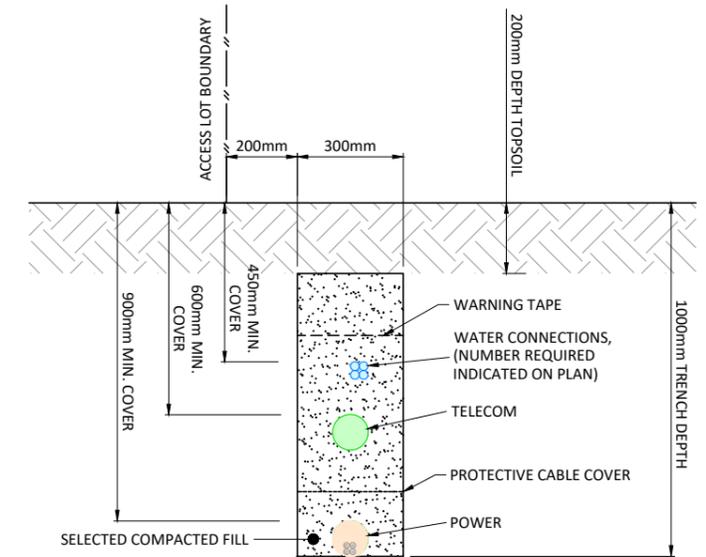


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**A** TYPICAL CROSS SECTION  
350 SCALE: (A1/A3) 1:50/1:100



**PRIVATE WAY - SERVICE TRENCH DETAIL**

SCALE: (A1/A3) 1:10/1:20

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DATE	BY	DATE
12.2021	RGP	13.12.21
13.12.21	RJP	
13.12.21	RJP	
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CHECKED:	DATE:	
RJP	13.12.21	
APPROVED:	DATE:	
RJP	13.12.21	

**CIVILPLAN**  
CONSULTANTS

Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:

HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380

SHEET TITLE:

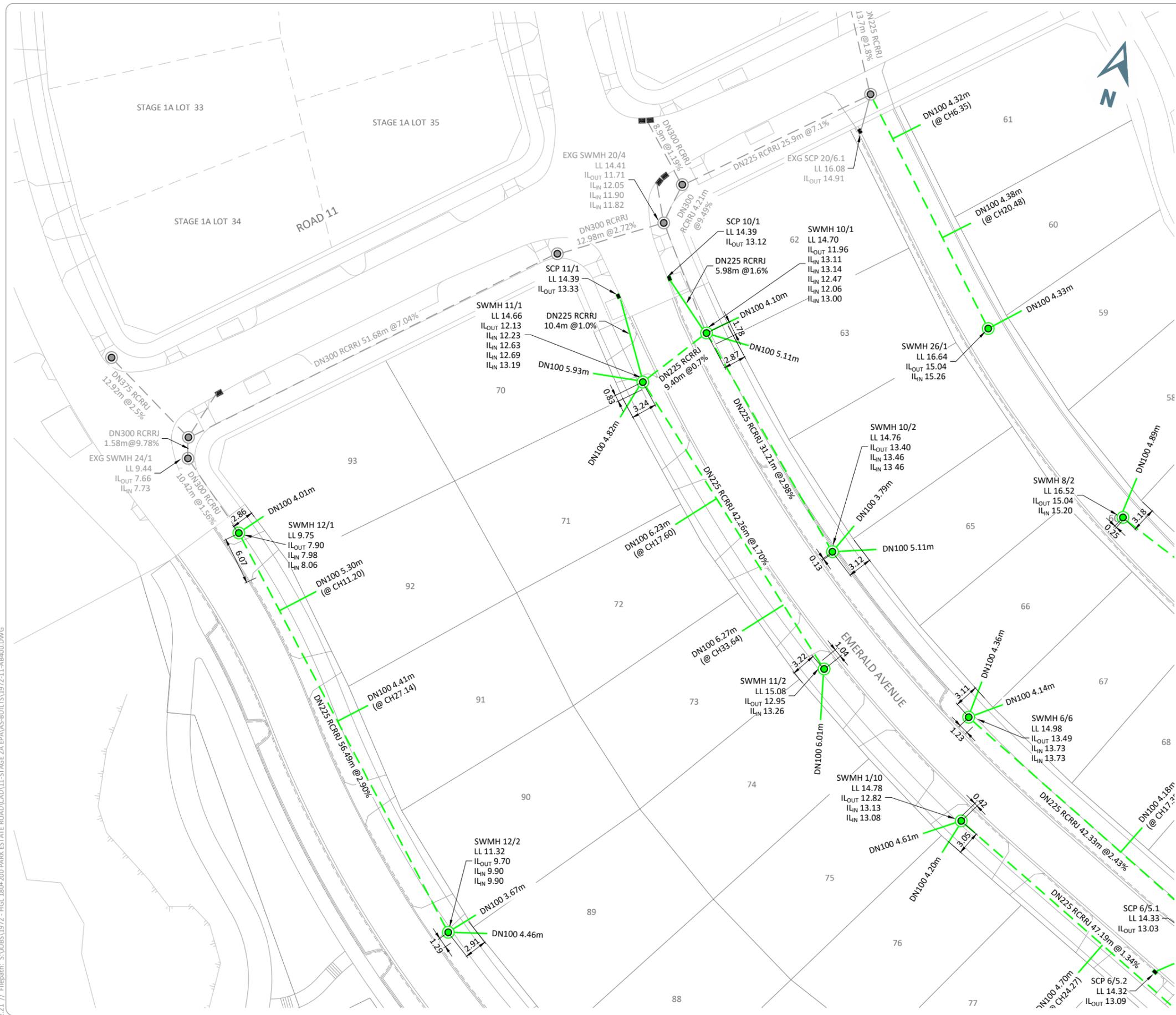
ASBUILT ROADING  
CROSS SECTIONS - JOAL  
SHEET 6

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) 1:50 / 1:100

SCALE BAR 1:100@A3

DRAWING NUMBER: 1972-11-AB335 REV: **A**

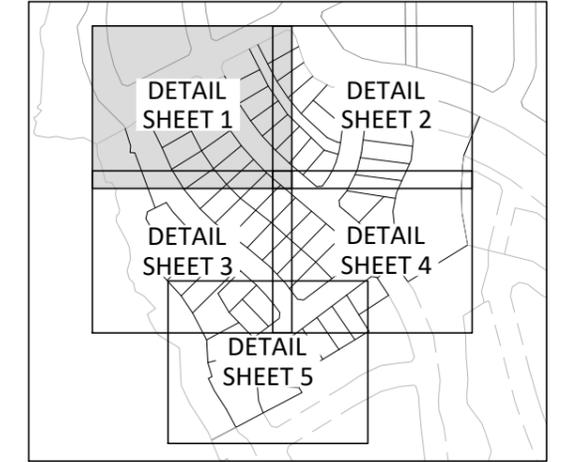


**LEGEND**

- ASBUIT**
- DN300 STORMWATER LINE AND MANHOLE
  - STORMWATER CONNECTION
  - STORMWATER CATCHPIT
  - SCRUFFY DOME INLET/OUTLET MANHOLE
  - STORMWATER INLET
  - STORMWATER OUTLET
  - SLOTTED PVC SUBSOIL UNDERDRAIN
  - RAIN GARDEN
  - RAIN GARDEN SPILLWAY PLANTED WITH CIRTEX ECOMAT JUTE 750GSM

**NOTES**

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
3. ALL STORMWATER LINES OVER DN150 ARE RCRRJ CLASS 4 UNLESS SHOWN OTHERWISE.
4. ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
5. ALL CATCHPITS ARE STANDARD 675x450mm CAST IRON GRATING AND FRAME.
6. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
7. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
8. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
DATE

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DATE:	12.2021	DATE:	13.12.21
CHECKED:	RJP	DATE:	13.12.21
APPROVED:	RJP	DATE:	13.12.21
ISSUED FOR ASBUIT	RGP	DATE:	13.12.21
REVISION DETAILS	BY	DATE	

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**HUGH GREEN LIMITED  
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HINGAIA - ENG60369380**

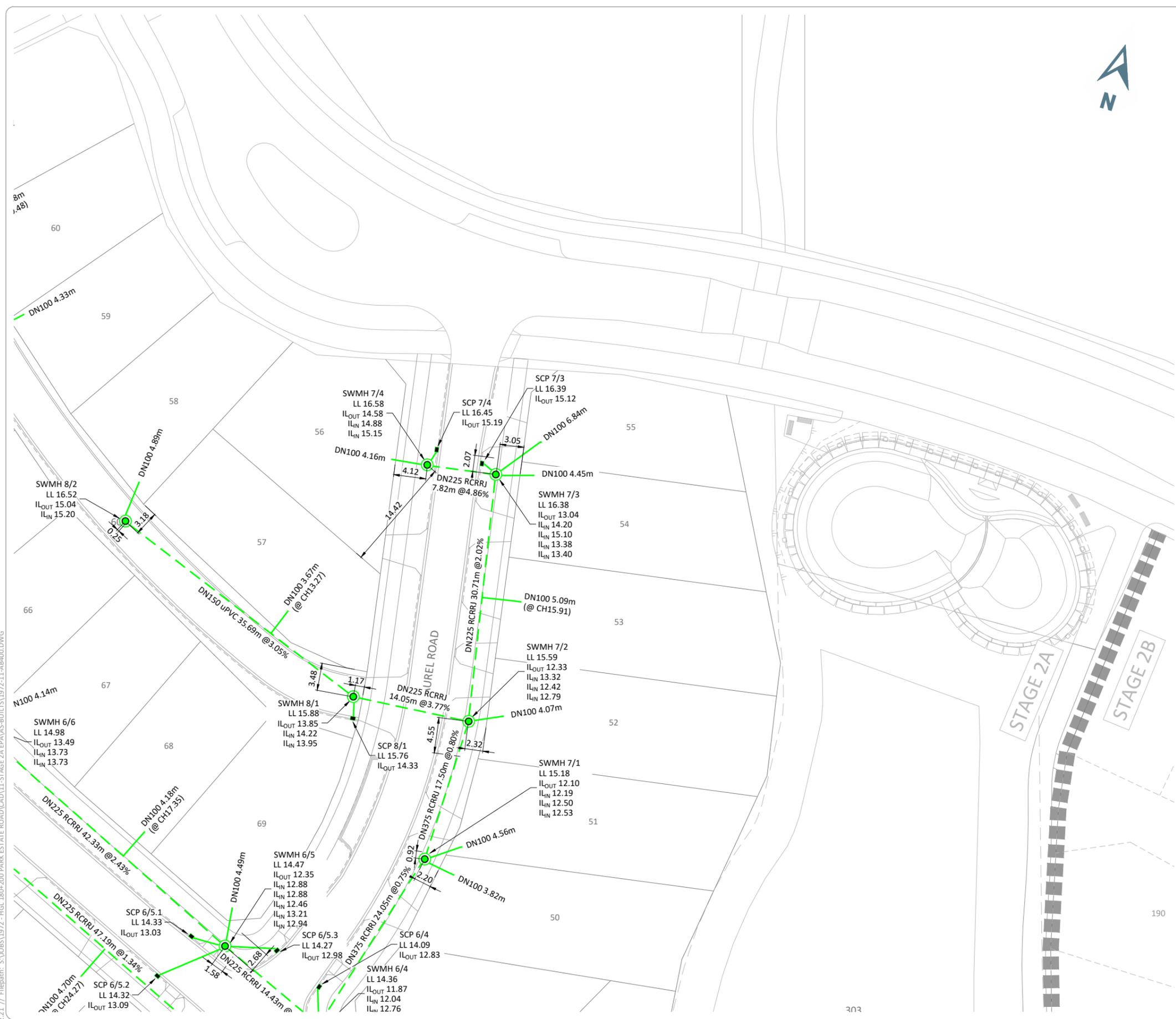
SHEET TITLE:  
**STORMWATER ASBUIT  
DETAIL SHEET 1**

ISSUE STATUS: **ASBUIT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB400** REV: **A**

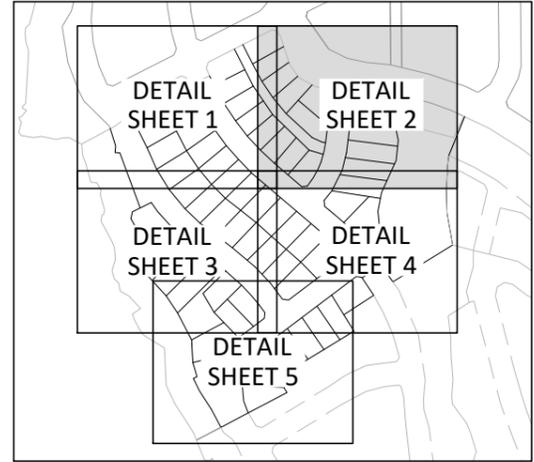


**LEGEND**

- ASBUILT**
- DN300 STORMWATER LINE AND MANHOLE
  - STORMWATER CONNECTION
  - STORMWATER CATCHPIT
  - SCRUFFY DOME INLET/OUTLET MANHOLE
  - STORMWATER INLET
  - STORMWATER OUTLET
  - SLOTTED PVC SUBSOIL UNDERDRAIN
  - RAIN GARDEN
  - RAIN GARDEN SPILLWAY PLANTED WITH CIRTEX ECOMAT JUTE 750GSM

**NOTES**

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
3. ALL STORMWATER LINES OVER DN150 ARE RCRRJ CLASS 4 UNLESS SHOWN OTHERWISE.
4. ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
5. ALL CATCHPITS ARE STANDARD 675x450mm CAST IRON GRATING AND FRAME.
6. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
7. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
8. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

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DATE

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DATE:	12.20.21	BY:	RGP
CHECKED:	13.12.21	DATE:	13.12.21
APPROVED:	13.12.21	DATE:	13.12.21
ISSUED FOR ASBUILT	BY	DATE	13.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

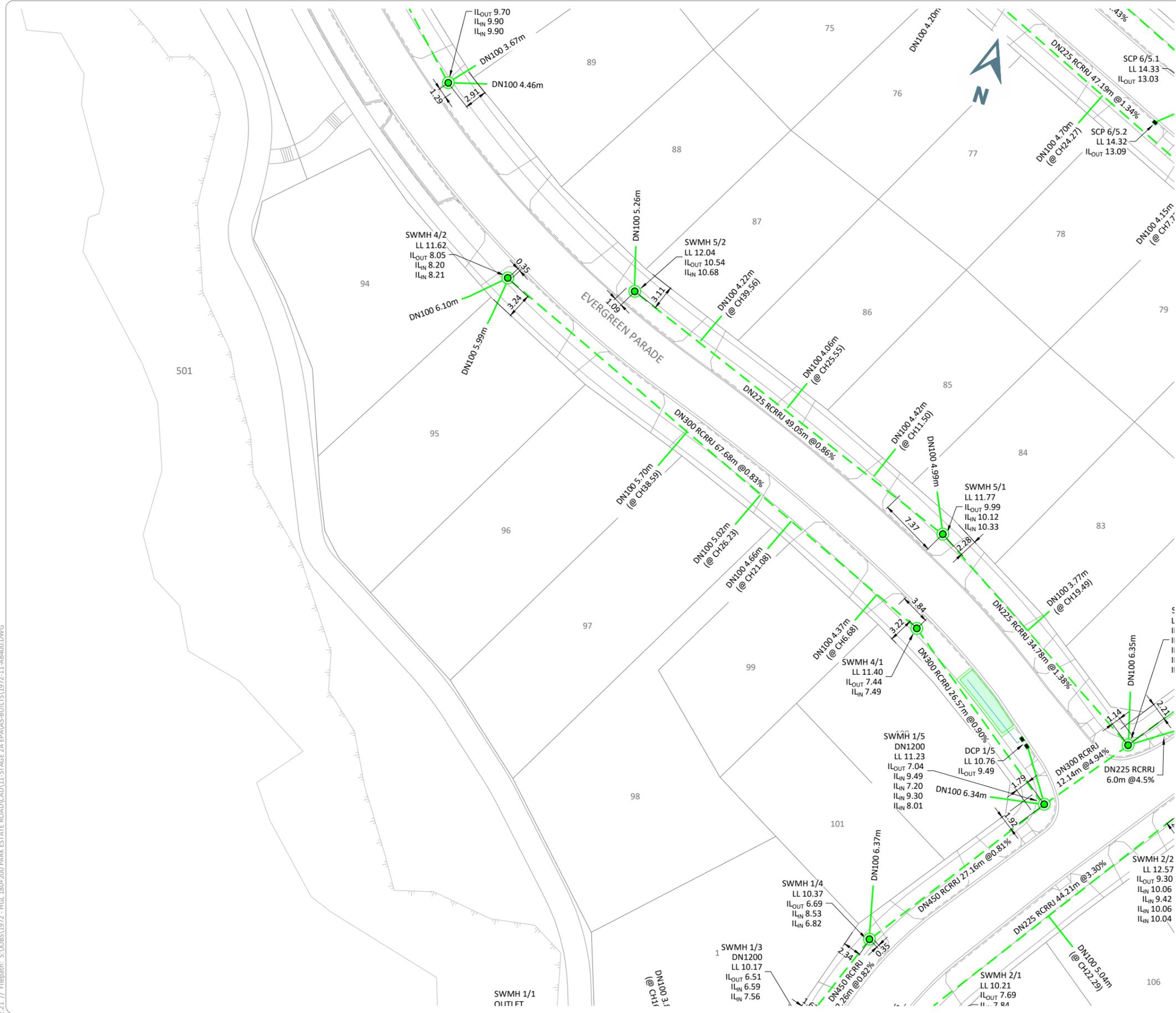
SHEET TITLE:  
**STORMWATER ASBUILT  
DETAIL SHEET 2**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR 1:500@A3

DRAWING NUMBER: **1972-11-AB401** REV: **A**

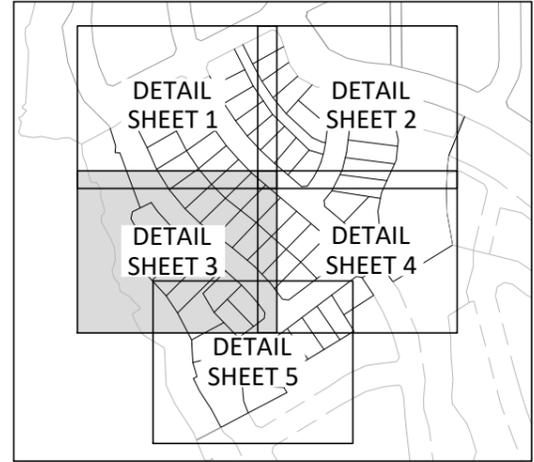


### LEGEND

**ASBUILT**

- DN300 STORMWATER LINE AND MANHOLE
- STORMWATER CONNECTION
- STORMWATER CATCHPIT
- SCRUFFY DOME INLET/OUTLET MANHOLE
- STORMWATER INLET
- STORMWATER OUTLET
- SLOTTED PVC SUBSOIL UNDERDRAIN
- RAIN GARDEN
- RAIN GARDEN SPILLWAY PLANTED WITH CIRTEX ECOMAT JUTE 750GSM

- ### NOTES
- LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
  - COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
  - ALL STORMWATER LINES OVER DN150 ARE RCRRJ CLASS 4 UNLESS SHOWN OTHERWISE.
  - ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
  - ALL CATCHPITS ARE STANDARD 675x450mm CAST IRON GRATING AND FRAME.
  - ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
  - MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
  - CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
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DATE:	12.2021
CHECKED:	13.12.21
APPROVED:	13.12.21
ISSUED FOR ASBUILT	13.12.21
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PROJECT TITLE: **HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

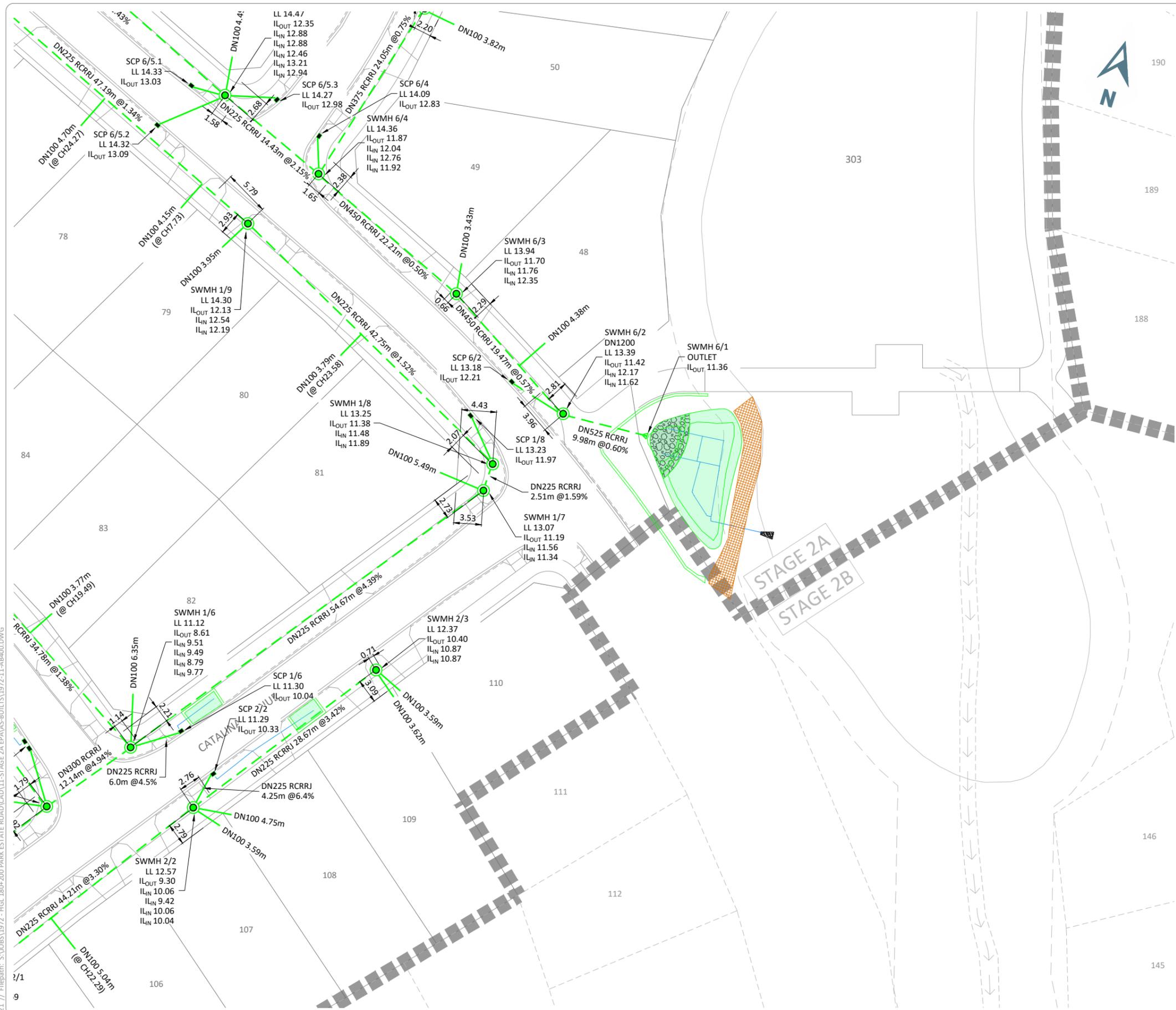
SHEET TITLE: **STORMWATER ASBUILT  
DETAIL SHEET 3**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB402** REV: **A**



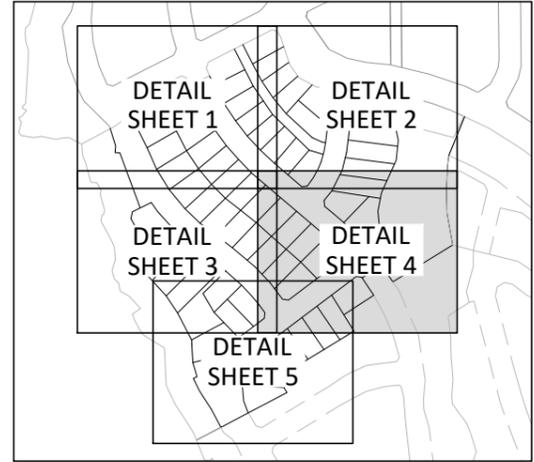
**LEGEND**

**ASBUILT**

- DN300 STORMWATER LINE AND MANHOLE
- STORMWATER CONNECTION
- STORMWATER CATCHPIT
- SCRUFFY DOME INLET/OUTLET MANHOLE
- STORMWATER INLET
- STORMWATER OUTLET
- SLOTTED PVC SUBSOIL UNDERDRAIN
- RAIN GARDEN
- RAIN GARDEN SPILLWAY PLANTED WITH CIRTEX ECOMAT JUTE 750GSM

**NOTES**

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
3. ALL STORMWATER LINES OVER DN150 ARE RCRRJ CLASS 4 UNLESS SHOWN OTHERWISE.
4. ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
5. ALL CATCHPITS ARE STANDARD 675x450mm CAST IRON GRATING AND FRAME.
6. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
7. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
8. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
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ISSUED FOR ASBUILT	RGP	13.12.21
REVISION DETAILS	BY	DATE

DRAWN:	DATE:
RGP	12.2021
CHECKED:	DATE:
RJP	13.12.21
APPROVED:	DATE:
RJP	13.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

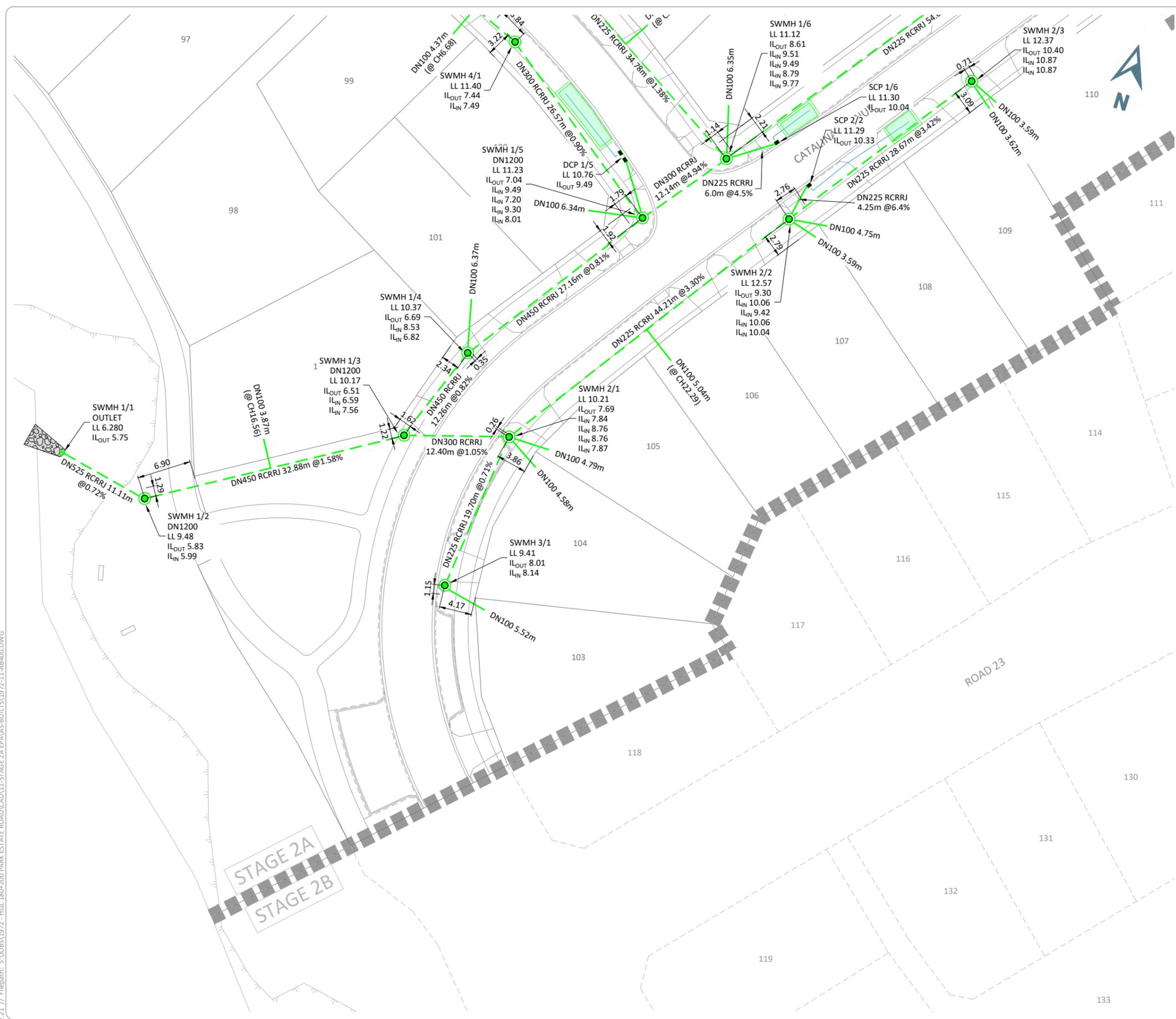
SHEET TITLE:  
**STORMWATER ASBUILT  
DETAIL SHEET 4**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB400** REV: **A**

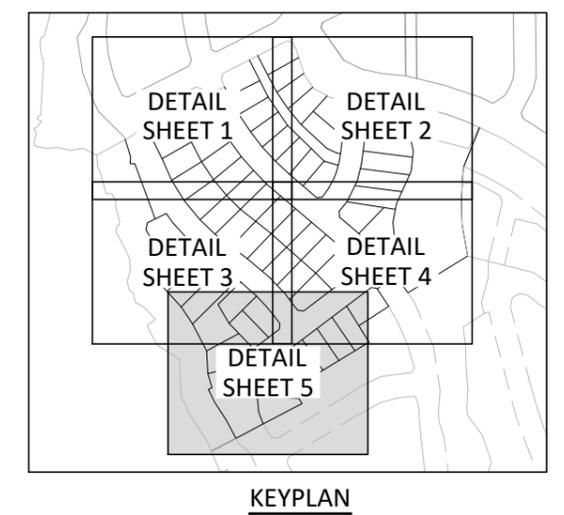


### LEGEND

**ASBUILT**

- DN300 STORMWATER LINE AND MANHOLE
- STORMWATER CONNECTION
- STORMWATER CATCHPIT
- SCRUFFY DOME INLET/OUTLET MANHOLE
- STORMWATER INLET
- STORMWATER OUTLET
- SLOTTED PVC SUBSOIL UNDERDRAIN
- RAIN GARDEN
- RAIN GARDEN SPILLWAY PLANTED WITH CIRTEX ECOMAT JUTE 750GSM

- ### NOTES
- LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
  - COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
  - ALL STORMWATER LINES OVER DN150 ARE RCRRJ CLASS 4 UNLESS SHOWN OTHERWISE.
  - ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
  - ALL CATCHPITS ARE STANDARD 675x450mm CAST IRON GRATING AND FRAME.
  - ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
  - MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
  - CONSTRUCTION WAS UNDERTAKEN IN 2021.



I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
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REV	ISSUED FOR ASBUILT	RGP	13.12.21
A	ISSUED FOR ASBUILT	RGP	13.12.21
REV	REVISION DETAILS	BY	DATE

DRAWN:	DATE:	RGP	12.2021
CHECKED:	DATE:	RJP	13.12.21
APPROVED:	DATE:	RJP	13.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**STORMWATER ASBUILT  
DETAIL SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB404** REV: **A**



CIRTEX ECOMAT JUTE 750GSM

### NOTES

- LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
- COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
- ALL STORMWATER LINES OVER DN150 ARE RCRRJ CLASS 4 UNLESS SHOWN OTHERWISE.
- ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
- ALL CATCHPITS ARE STANDARD 675x450mm CAST IRON GRATING AND FRAME.
- ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
- MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
- CONSTRUCTION WAS UNDERTAKEN IN 2021.

### SCHEDULE OF COORDINATES MANHOLES NZTM

POINT No.	mE	mN
MH 1/1	1771227.44	5893297.19
MH 1/10	1771251.29	5893446.55
MH 1/2	1771238.92	5893294.45
MH 1/3	1771268.78	5893311.35
MH 1/4	1771273.77	5893323.75
MH 1/5	1771290.69	5893346.54
MH 1/6	1771298.97	5893356.78
MH 1/7	1771333.63	5893400.88
MH 1/8	1771333.85	5893404.47
MH 1/9	1771295.16	5893425.65
MH 10/1	1771202.71	5893497.93
MH 10/2	1771225.95	5893475.32
MH 11/1	1771196.57	5893489.65
MH 11/2	1771229.02	5893460.52
MH 12/1	1771151.90	5893456.83
MH 12/2	1771191.75	5893414.81
MH 2/1	1771281.83	5893314.81
MH 2/2	1771308.82	5893351.52
MH 2/3	1771326.61	5893374.92
MH 3/1	1771279.04	5893294.23
MH 6/1	1771351.44	5893413.36
MH 6/2	1771340.81	5893413.15
MH 6/3	1771323.40	5893424.26
MH 6/4	1771302.15	5893434.26
MH 6/5	1771287.85	5893440.71
MH 6/6	1771248.59	5893459.62
MH 7/1	1771309.49	5893458.41
MH 7/2	1771310.13	5893476.99
MH 7/3	1771304.87	5893508.44
MH 7/4	1771296.05	5893507.23
MH 8/1	1771295.01	5893475.96
MH 8/2	1771260.66	5893489.71
MH 26/1	1771238.04	5893510.14

### SCHEDULE OF COORDINATES CATCHPITS NZTM

POINT No.	mE	mN
DCP 1/5	1771286.08	5893353.46
SCP 1/6	1771304.72	5893360.56
SCP 1/8	1771329.42	5893409.68
SCP 10/1	1771196.22	5893503.41
SCP 11/1	1771190.59	5893499.45
SCP 2/2	1771310.12	5893356.44
SCP 6/2	1771333.39	5893415.32
SCP 6/4	1771300.86	5893439.00
SCP 6/5.1	1771283.32	5893440.71
SCP 6/5.2	1771280.51	5893434.62
SCP 6/5.3	1771294.45	5893441.98
SCP 7/3	1771302.80	5893509.34
SCP 7/4	1771296.70	5893509.46
SCP 8/1	1771295.64	5893473.32

### SCHEDULE OF COORDINATES RAINGARDENS NZTM

POINT No.	mE	mN
RG 1/5	1771280.15	5893357.47
RG 1/6	1771306.54	5893364.29
RG 2/2	1771319.57	5893367.02
RG 6/1	1771359.59	5893412.07

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

13.12.21  
DATE

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NO.	REVISION	DATE
A	ISSUED FOR ASBUILT	13.12.21
REV	REVISION DETAILS	BY DATE

DRAWN:	DATE:	12.2021
CHECKED:	DATE:	13.12.21
APPROVED:	DATE:	13.12.21

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CONSULTANTS

Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

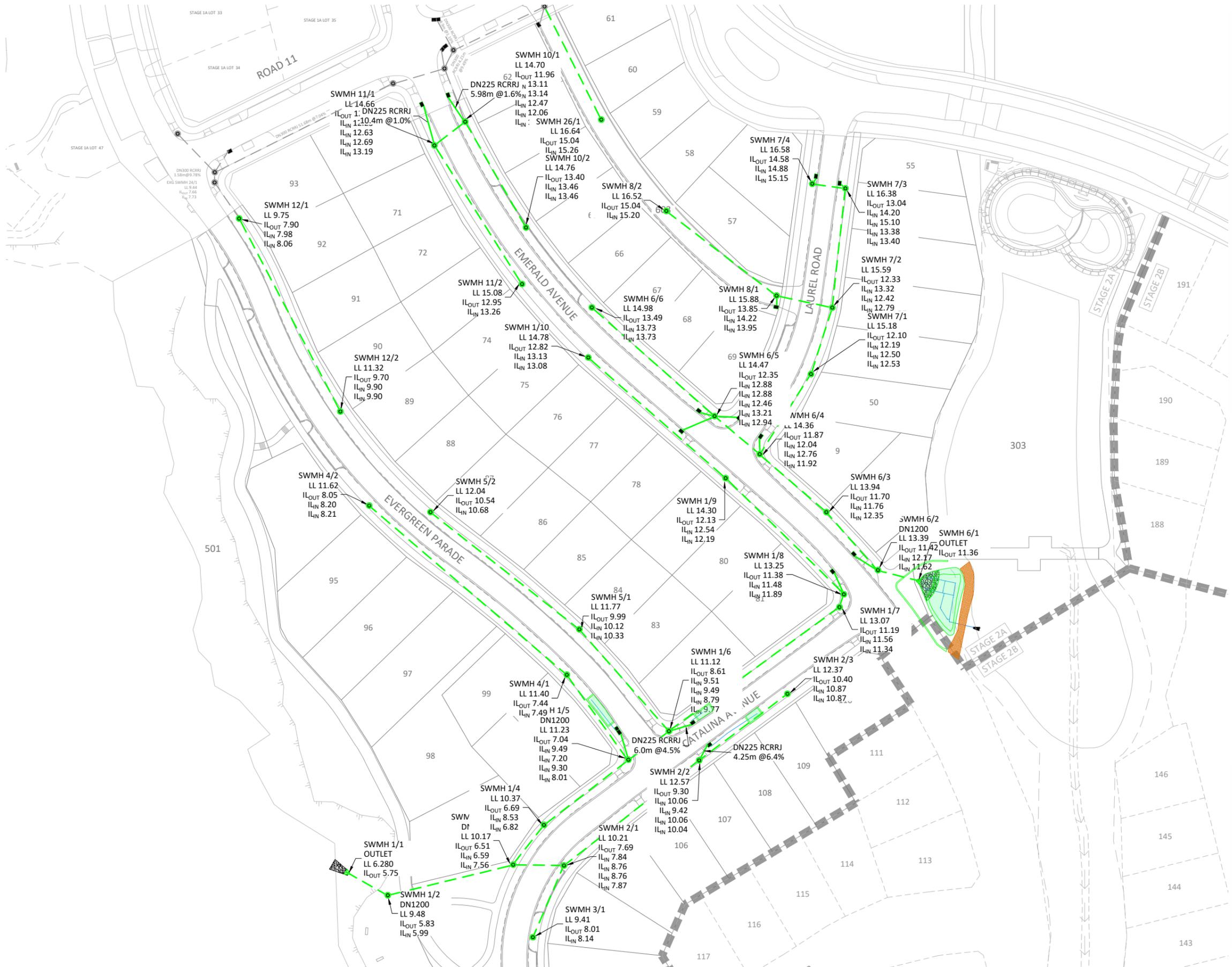
SHEET TITLE:  
**STORMWATER ASBUILT  
NZTM ASSET COORDINATES**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB405** REV: **A**



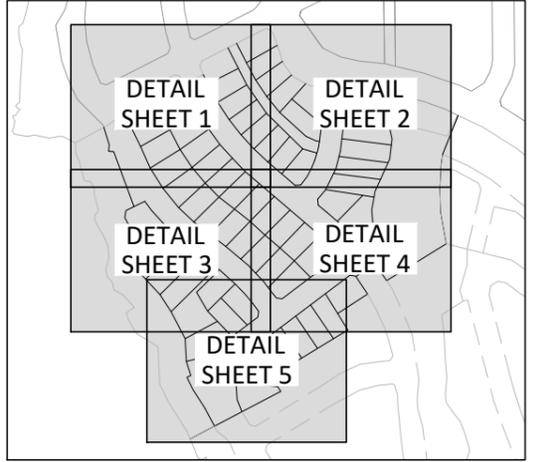
**LEGEND**

**ASBUILT**

- DN300 STORMWATER LINE AND MANHOLE
- STORMWATER CONNECTION
- STORMWATER CATCHPIT
- SCRUFFY DOME INLET/OUTLET MANHOLE
- STORMWATER INLET
- STORMWATER OUTLET
- SLOTTED PVC SUBSOIL UNDERDRAIN
- RAIN GARDEN
- RAIN GARDEN SPILLWAY PLANTED WITH CIRTEX ECOMAT JUTE 750GSM

**NOTES**

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7. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
8. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

15.02.22  
DATE

ISSUED FOR ASBUILT	RGP	15.02.22
REVISION DETAILS	BY	DATE

DRAWN:	RGP	DATE:	02.2022
CHECKED:	RJP	DATE:	15.02.22
APPROVED:	RJP	DATE:	15.02.22

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

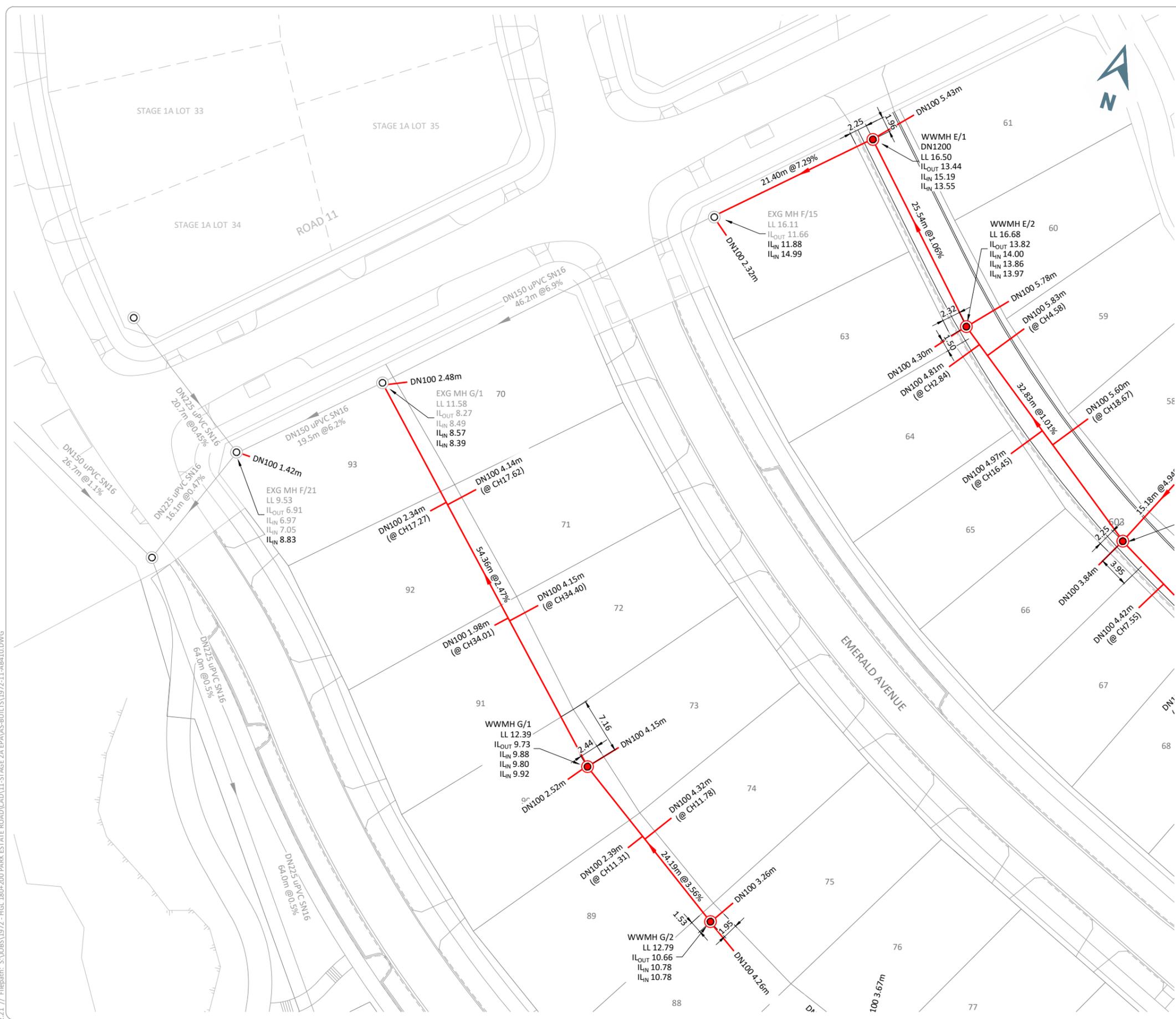
SHEET TITLE:  
**STORMWATER ASBUILT  
OVERALL LAYOUT**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:500 / 1:1000**

SCALE BAR: 0 10 20 30 40 50m

DRAWING NUMBER: **1972-11-AB406** REV: **A**

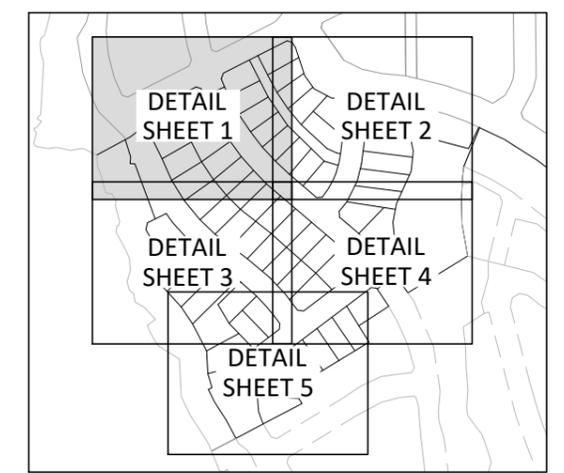


**LEGEND**

- ASBUILT**
- WASTEWATER LINE AND MANHOLE
  - WASTEWATER CONNECTION

**NOTES**

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7. ALL MANHOLES ARE DN1050 UNLESS OTHERWISE SHOWN.
8. REFER TO SHEET 1972-11-AB414 FOR COORDINATE SCHEDULE.



**KEYPLAN**

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RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
DATE

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DATE	12.20.21	DATE	13.12.21
CHECKED	RJP	DATE	13.12.21
APPROVED	RJP	DATE	13.12.21
ISSUED FOR ASBUILT	RGP	DATE	13.12.21
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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**WASTEWATER ASBUILT  
DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB410** REV: **A**



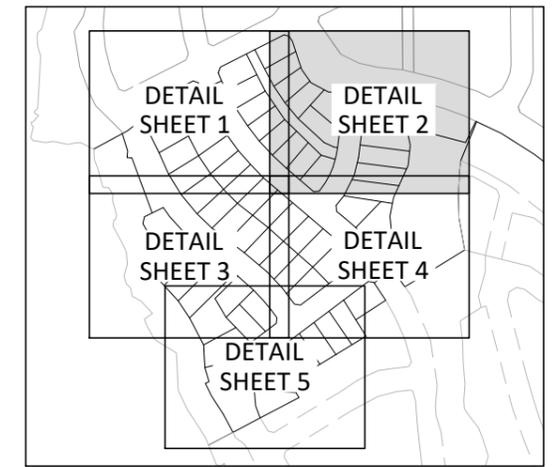
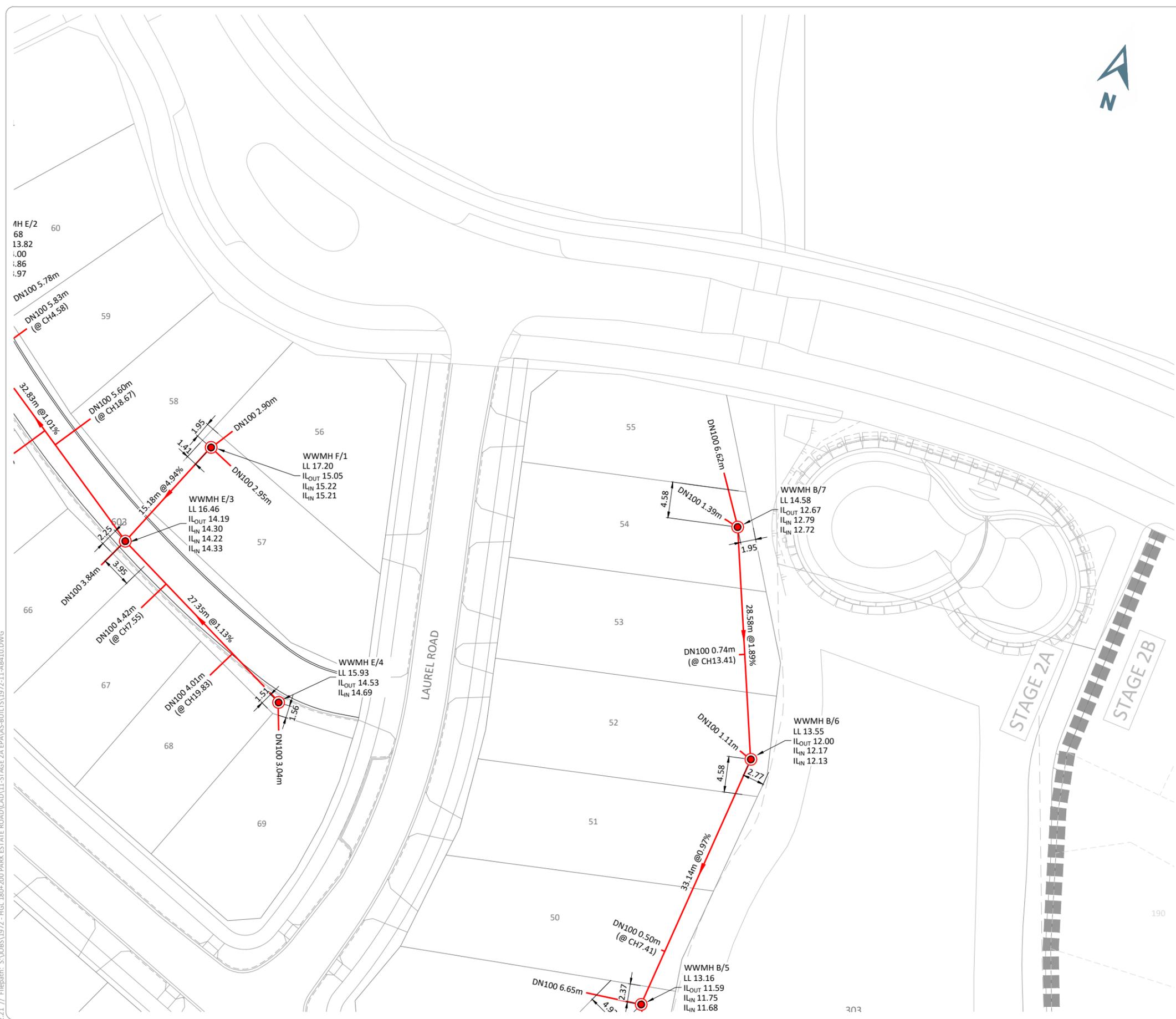
### LEGEND

ASBUILT

- WASTEWATER LINE AND MANHOLE
- WASTEWATER CONNECTION

### NOTES

- LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
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- CONSTRUCTION WAS UNDERTAKEN IN 2021.
- ALL MANHOLES ARE DN1050 UNLESS OTHERWISE SHOWN.
- REFER TO SHEET 1972-11-AB414 FOR COORDINATE SCHEDULE.



KEYPLAN

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

13.12.21  
DATE

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NO.	ISSUED FOR ASBUILT	DATE
A	ISSUED FOR ASBUILT	13.12.21
REV	REVISION DETAILS	BY DATE

DRAWN:	DATE:
RGP	12.20.21
CHECKED:	DATE:
RJP	13.12.21
APPROVED:	DATE:
RJP	13.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

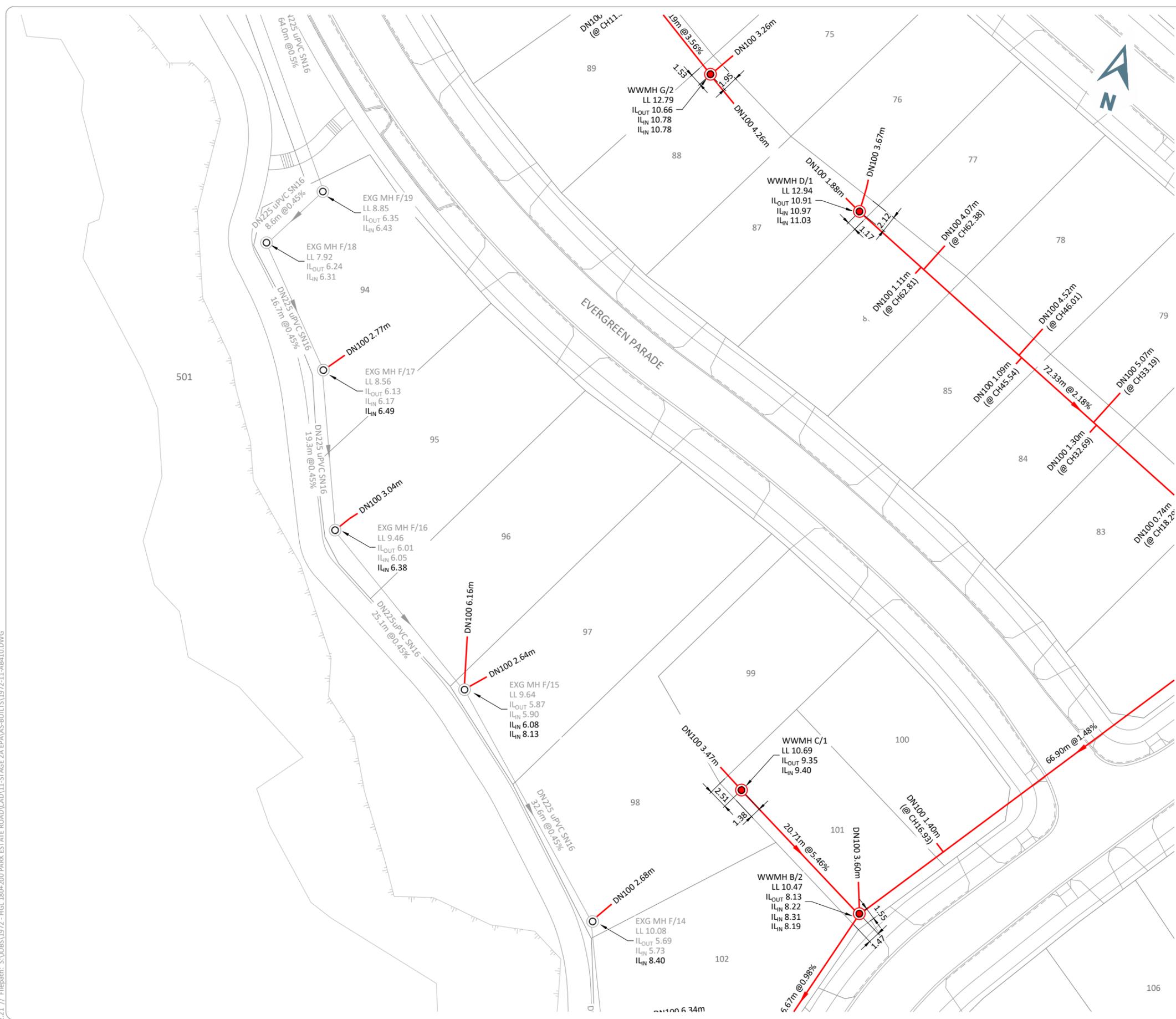
SHEET TITLE:  
**WASTEWATER ASBUILT  
DETAIL SHEET 2**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB411** REV: **A**

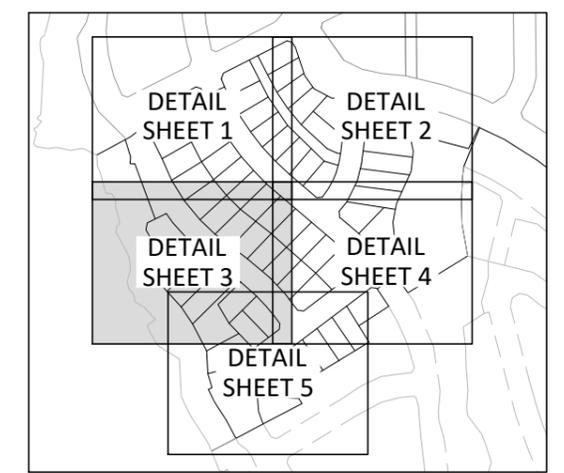


**LEGEND**

- ASBUILT**
- WASTEWATER LINE AND MANHOLE
  - WASTEWATER CONNECTION

**NOTES**

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
3. ALL WASTEWATER LINES ARE DN 150 uPVC DWV SN16 AS/NZ 1260, UNLESS SHOWN OTHERWISE.
4. ALL WASTEWATER CONNECTIONS ARE DN100 uPVC SN16 TO AS/NZS1260.
5. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
6. CONSTRUCTION WAS UNDERTAKEN IN 2021.
7. ALL MANHOLES ARE DN1050 UNLESS OTHERWISE SHOWN.
8. REFER TO SHEET 1972-11-AB414 FOR COORDINATE SCHEDULE.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
DATE

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DATE:	12.20.21	DATE:	13.12.21
CHECKED:	RJP	DATE:	13.12.21
APPROVED:	RJP	DATE:	13.12.21
ISSUED FOR ASBUILT	RGP	DATE:	13.12.21
REVISION DETAILS	BY	DATE	

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

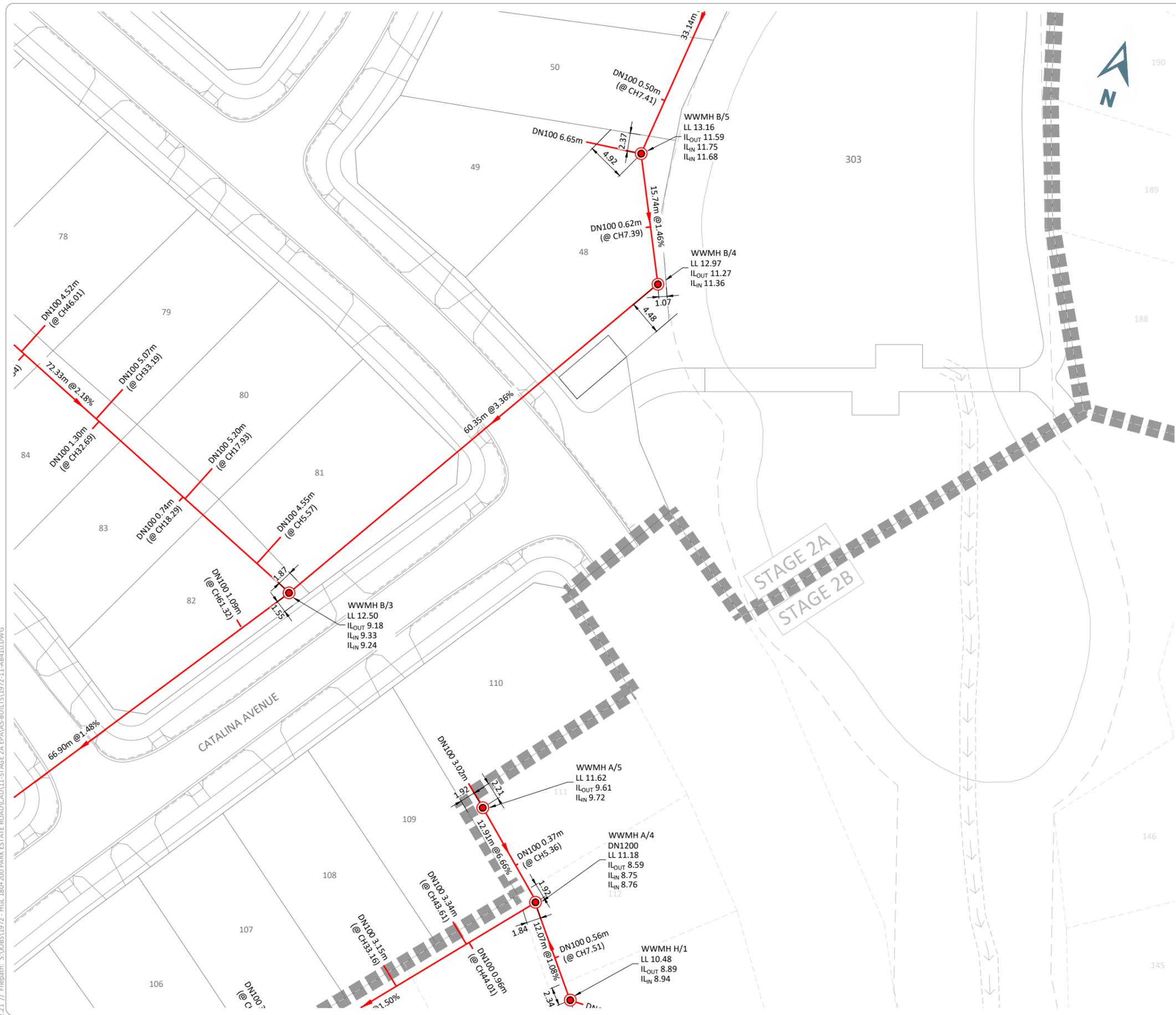
SHEET TITLE:  
**WASTEWATER ASBUILT  
DETAIL SHEET 3**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB412** REV: **A**

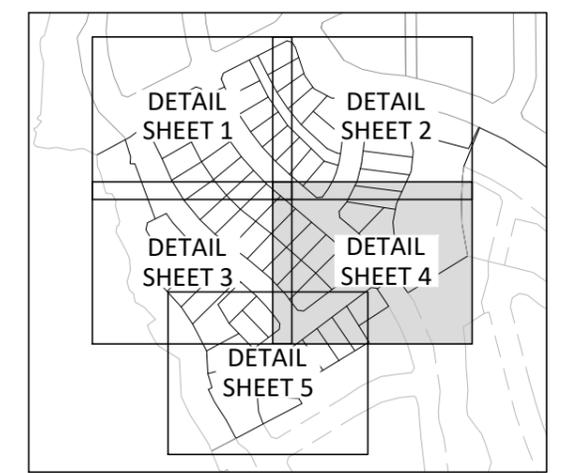


**LEGEND**

- ASBUILT**
- WASTEWATER LINE AND MANHOLE
  - WASTEWATER CONNECTION

**NOTES**

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
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8. REFER TO SHEET 1972-11-AB414 FOR COORDINATE SCHEDULE.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
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ISSUED FOR ASBUILT	RGP	13.12.21
REVISION DETAILS	BY	DATE

DRAWN:	DATE:
RGP	12.2021
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RJP	13.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

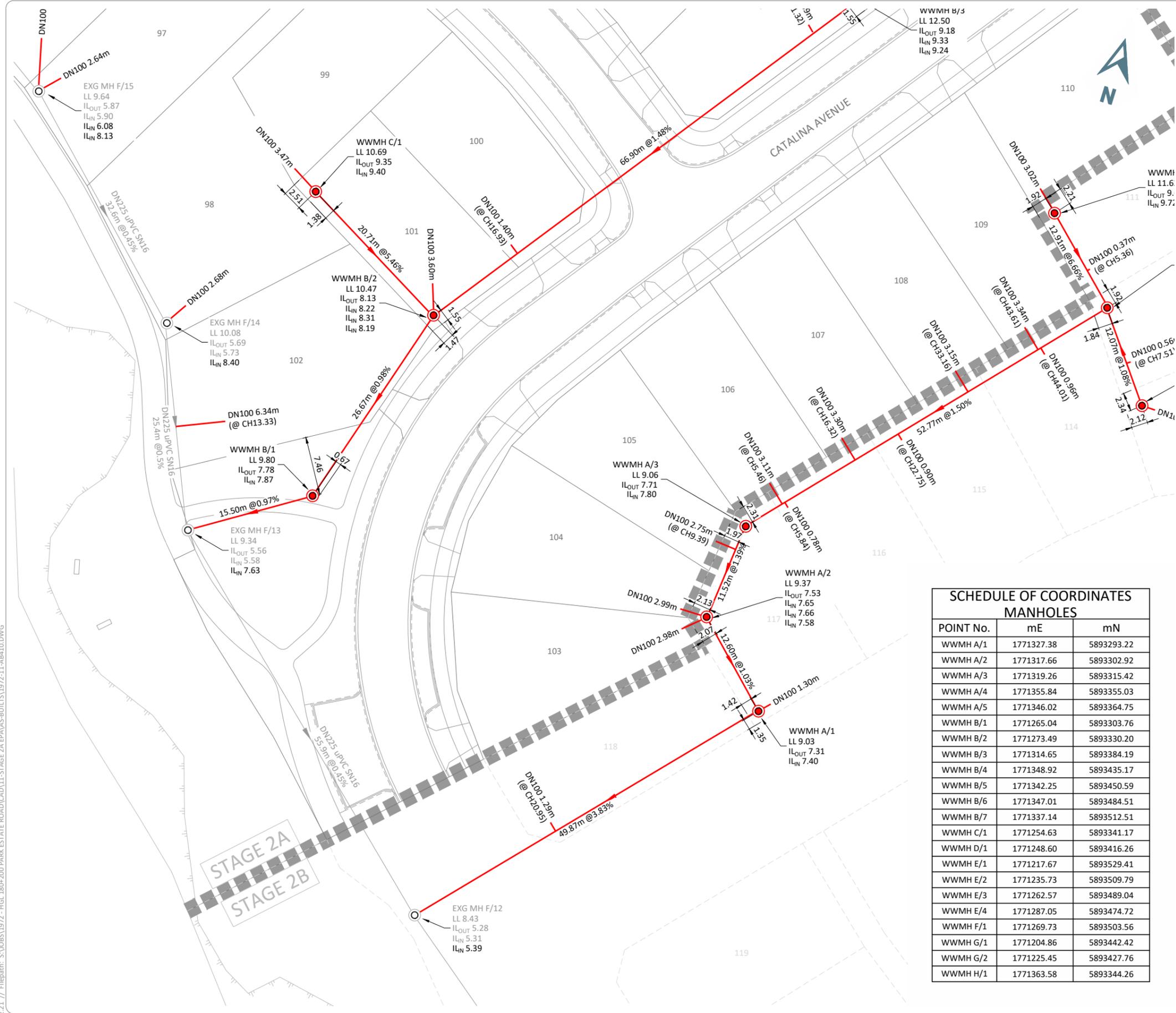
SHEET TITLE:  
**WASTEWATER ASBUILT  
DETAIL SHEET 4**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB413** REV: **A**



**LEGEND**

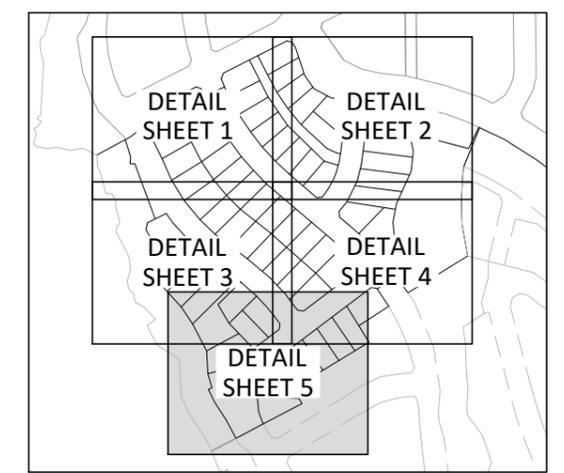
- ASBUILT**
- WASTEWATER LINE AND MANHOLE
  - WASTEWATER CONNECTION

**NOTES**

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8. REFER TO SHEET 1972-11-AB414 FOR COORDINATE SCHEDULE.

**SCHEDULE OF COORDINATES MANHOLES**

POINT No.	mE	mN
WWMH A/1	1771327.38	5893293.22
WWMH A/2	1771317.66	5893302.92
WWMH A/3	1771319.26	5893315.42
WWMH A/4	1771355.84	5893355.03
WWMH A/5	1771346.02	5893364.75
WWMH B/1	1771265.04	5893303.76
WWMH B/2	1771273.49	5893330.20
WWMH B/3	1771314.65	5893384.19
WWMH B/4	1771348.92	5893435.17
WWMH B/5	1771342.25	5893450.59
WWMH B/6	1771347.01	5893484.51
WWMH B/7	1771337.14	5893512.51
WWMH C/1	1771254.63	5893341.17
WWMH D/1	1771248.60	5893416.26
WWMH E/1	1771217.67	5893529.41
WWMH E/2	1771235.73	5893509.79
WWMH E/3	1771262.57	5893489.04
WWMH E/4	1771287.05	5893474.72
WWMH F/1	1771269.73	5893503.56
WWMH G/1	1771204.86	5893442.42
WWMH G/2	1771225.45	5893427.76
WWMH H/1	1771363.58	5893344.26



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, FITTINGS POSITIONS, SCHEDULE OF CO-ORDINATES AND LID LEVELS, ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG      13.12.21  
DATE

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PROJECT TITLE:

**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:

**WASTEWATER ASBUILT  
DETAIL SHEET 5**

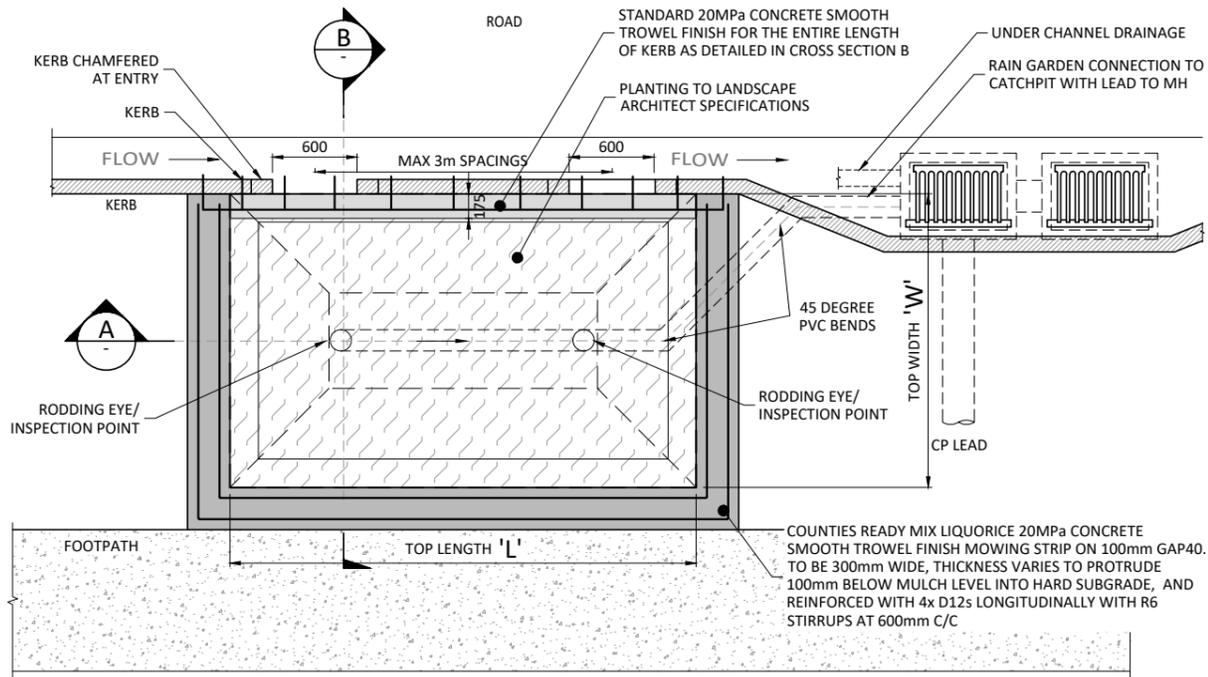
ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

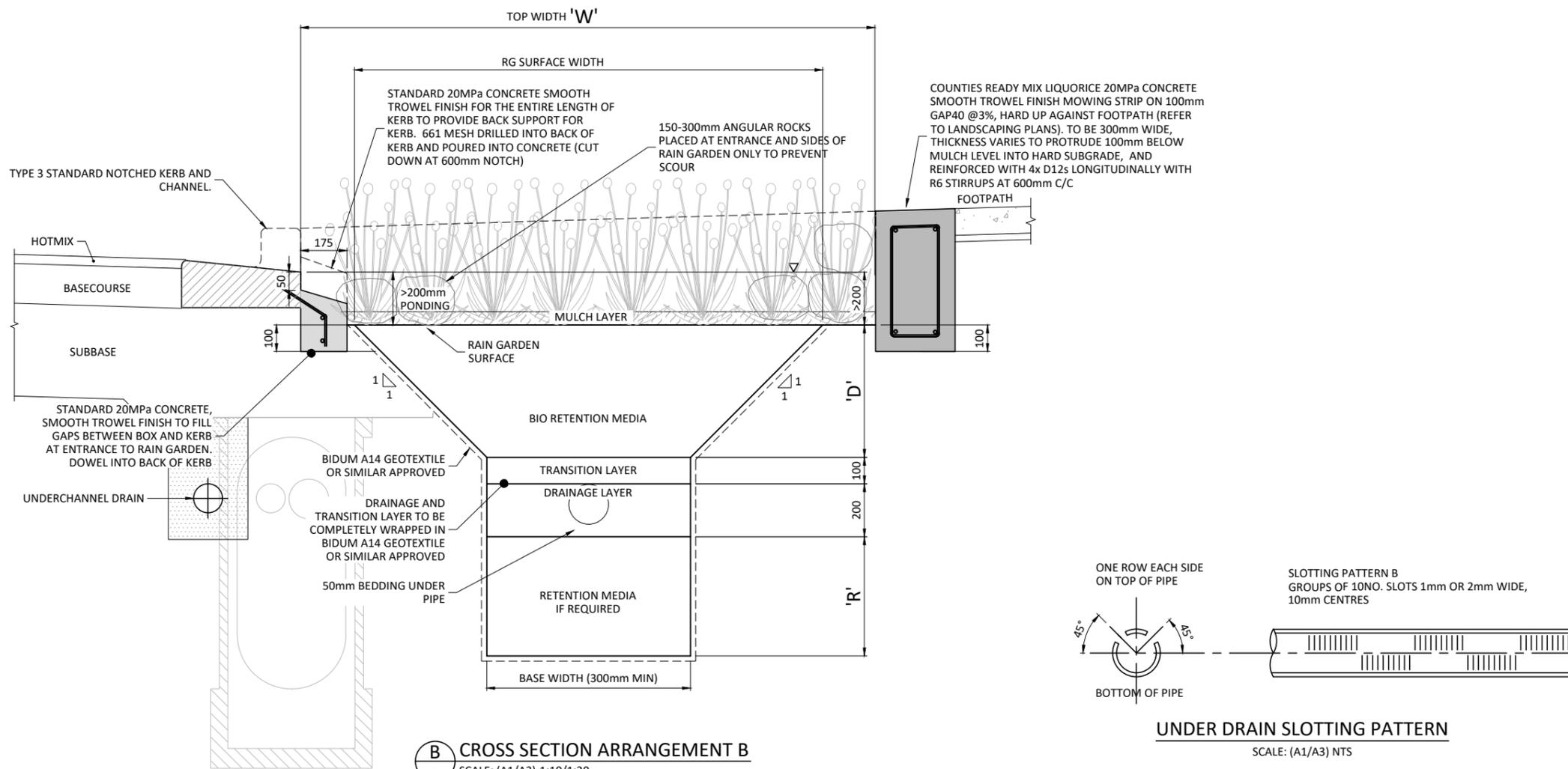
DRAWING NUMBER: **1972-11-AB414** REV: **A**

A	ISSUED FOR ASBUILT	RGP	13.12.21
REV	REVISION DETAILS	BY	DATE

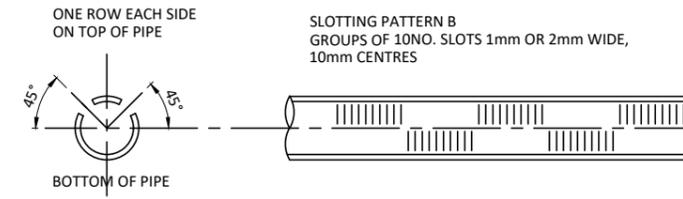


**SINGLE 45 DEGREE RAIN GARDEN PLAN**

SCALE: (A1/A3) 1:25/1:50



**B CROSS SECTION ARRANGEMENT B**  
SCALE: (A1/A3) 1:10/1:20



**UNDER DRAIN SLOTTING PATTERN**

SCALE: (A1/A3) NTS

**NOTES**

- 1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE RAINGARDEN INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG  
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13.12.2021  
DATE  
(09)2224455  
RYAN@CIVILPLAN.CO.NZ

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DATE:	13.12.21
DRAWN:	RGP
CHECKED:	RJP
APPROVED:	RJP
ISSUED FOR ASBUILT	BY: RGP
REVISION DETAILS	DATE: 13.12.21

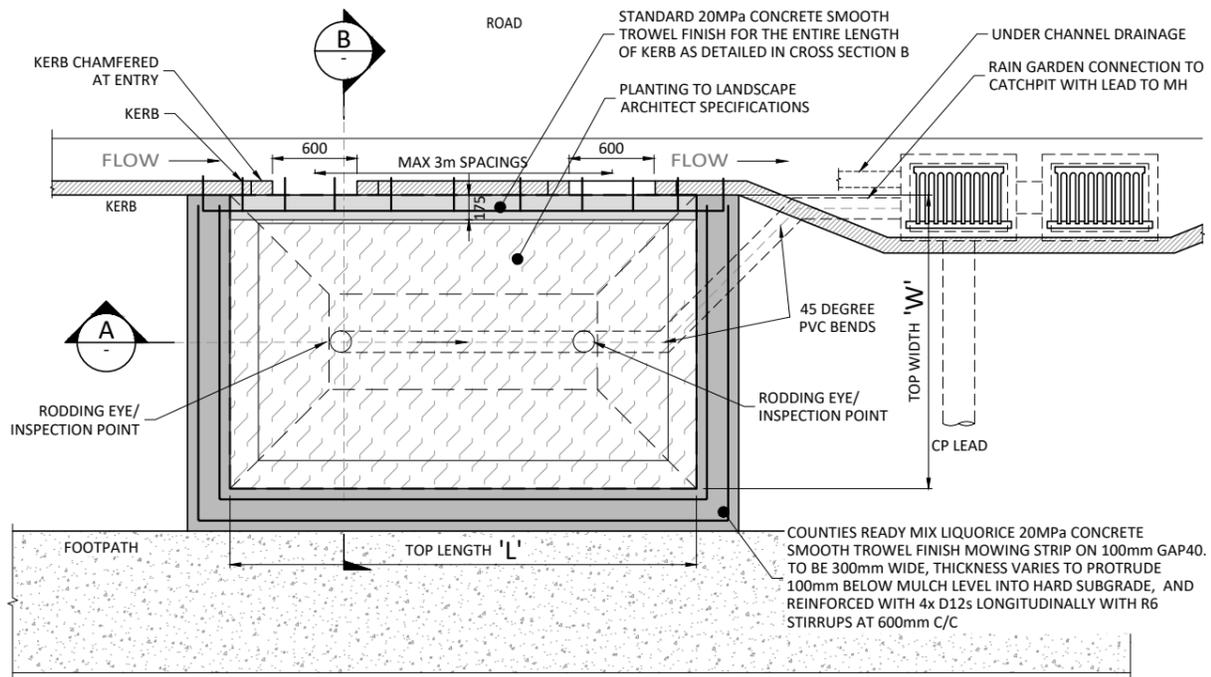
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Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**TYPICAL RAIN GARDEN DETAIL ASBUILT  
DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**  
SCALE: (A1/A3) **AS SHOWN**  
SCALE BAR  
DRAWING NUMBER: **1972-11-AB470** REV: **A**



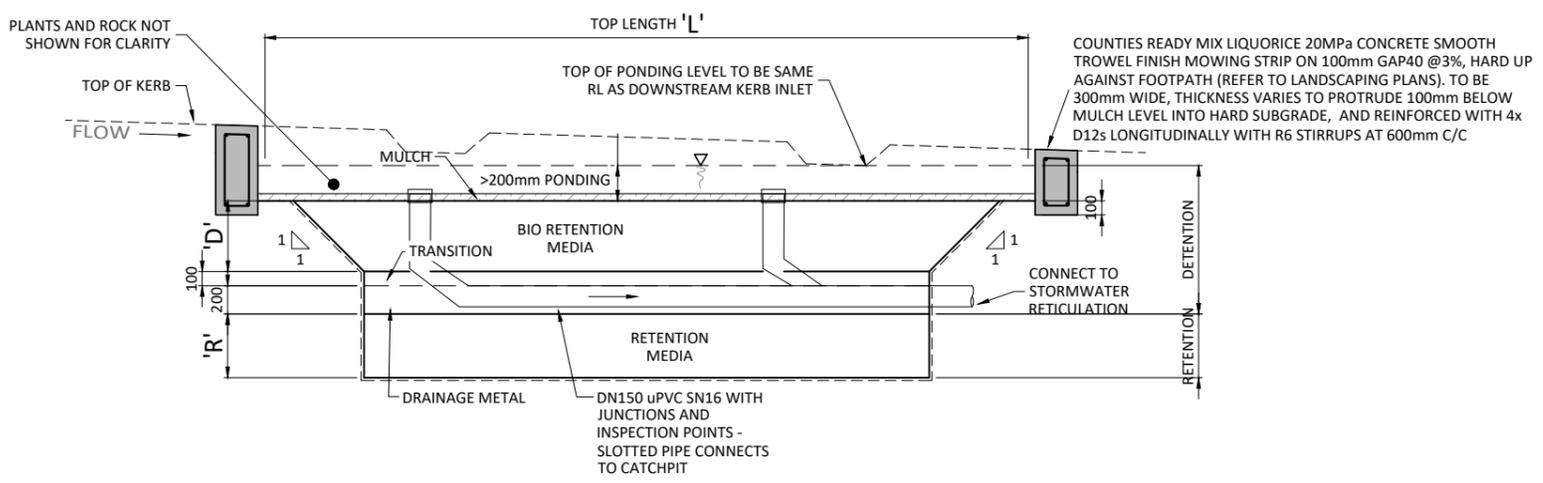
**SINGLE 45 DEGREE RAIN GARDEN PLAN**  
SCALE: (A1/A3) 1:25/1:50

**NOTES**  
1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE RAINGARDEN INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

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**45 DEGREE RAIN GARDEN CROSS SECTION**  
SCALE: (A1/A3) 1:25/1:50

DATE	12.2021	DATE	13.12.21
CHECKED	RJP	DATE	13.12.21
APPROVED	RJP	DATE	13.12.21
ISSUED FOR ASBUILT	RGP	DATE	13.12.21
REVISION DETAILS	BY	DATE	

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**TYPICAL RAIN GARDEN DETAIL ASBUILT  
DETAIL SHEET 2**

ISSUE STATUS: **ASBUILT ISSUE**  
SCALE: (A1/A3) **AS SHOWN**  
SCALE BAR  
DRAWING NUMBER: **1972-11-AB471** REV: **A**



**NOTES**  
 1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE RAINGARDEN INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

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 13.12.2021  
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- LEGEND**
-  HAND PLACED MANGATANGI RIVER ROCK RIP RAP ON GEOTEXTILE
  -  PLANTED SPILLWAY (CIRTEX ECOMAT JUTE 750GSM)
  -  INSPECTION JUNCTION AND CAP AT SURFACE

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DATE	BY	DATE
DRAWN: RGP 12.2021		
CHECKED: RJP 13.12.21		
APPROVED: RJP 13.12.21		
A ISSUED FOR ASBUILT	RGP	13.12.21
REV	REVISION DETAILS	BY DATE

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

SHEET TITLE:  
**BESPOKE RAINGARDEN DETAIL ASBUILT  
 DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:50 / 1:100**

SCALE BAR 1:100@A3 

DRAWING NUMBER: **1972-11-AB475** REV: **A**

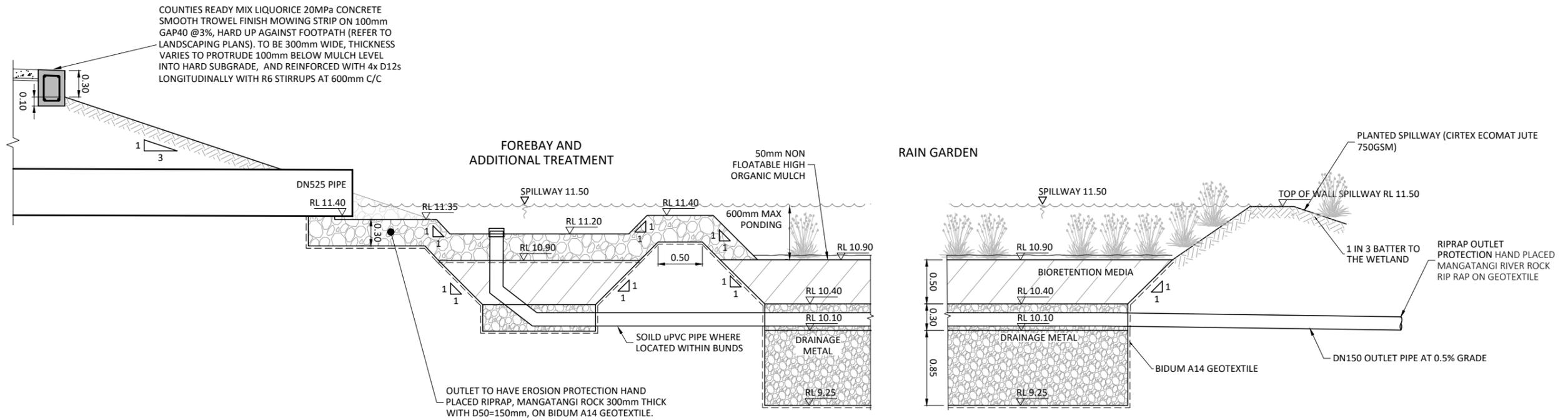
**NOTES**

- 1. CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE RAINGARDEN INFORMATION SHOWN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



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**SECTION A**  
 SCALE: (A1/A3) 1:25/1:50

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DATE	DATE	DATE	DATE
12.2021	13.12.21	13.12.21	13.12.21
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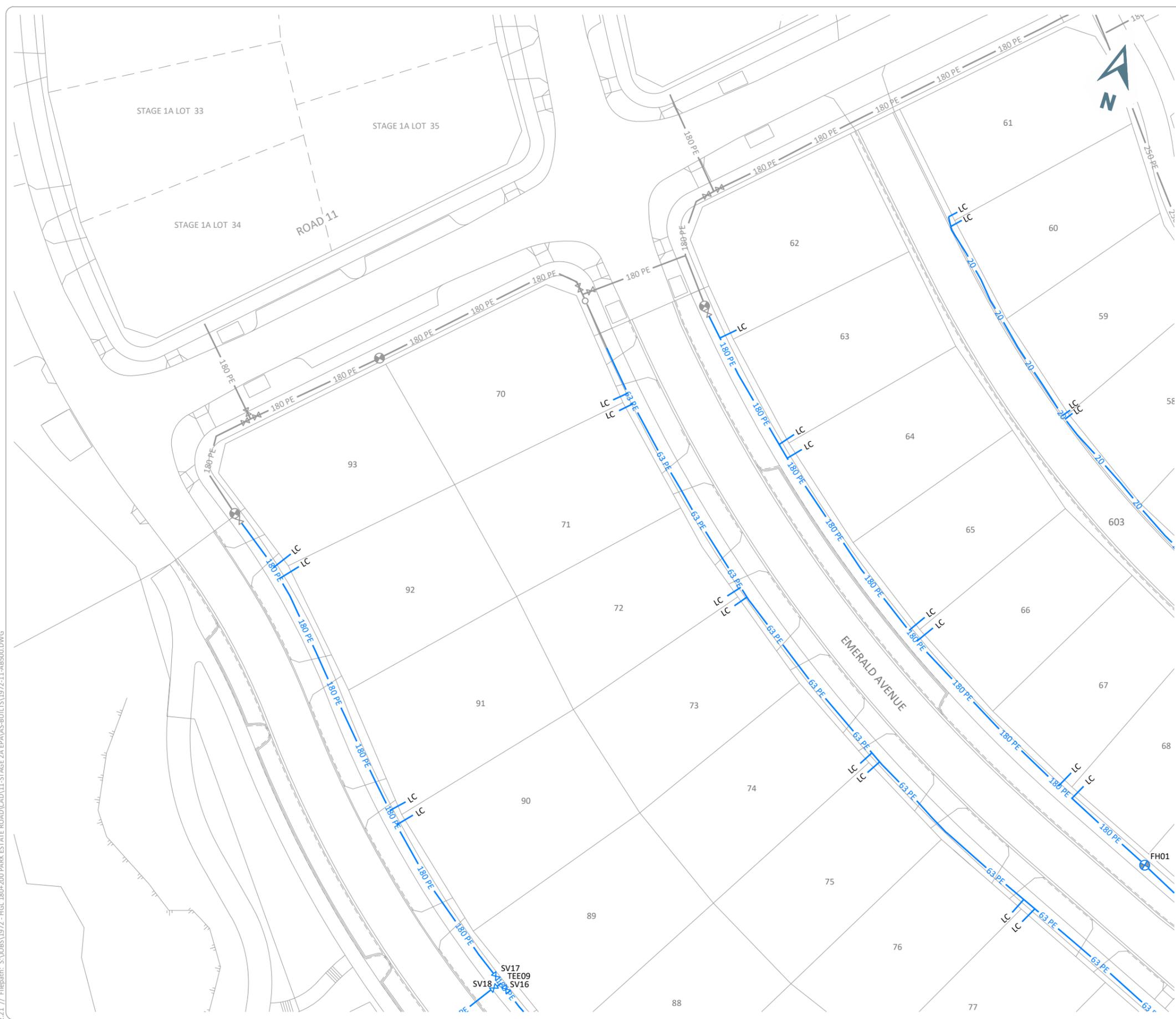
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PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

SHEET TITLE:  
**BESPOKE RAINGARDEN DETAIL ASBUILT  
 DETAIL SHEET 2**

ISSUE STATUS: **ASBUILT ISSUE**  
 SCALE: (A1/A3) 1:25 / 1:50  
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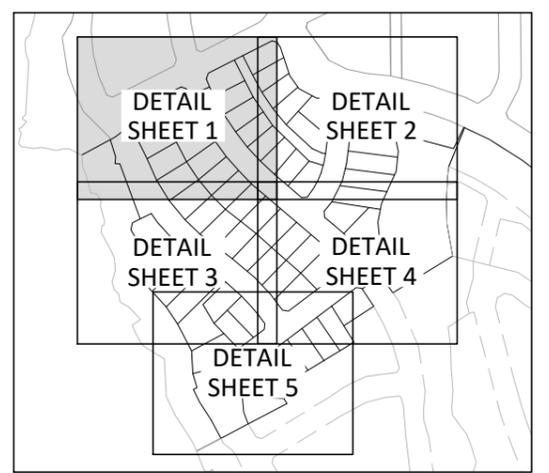


**LEGEND  
ASBUILT**

- 63 PE — OD63 MDPE PE80B PN12.5 RIDERMAIN
- 125 PE — OD125 PE100 PN12.5 WATERMAIN
- 180 PE — OD180 PE100 PN12.5 WATERMAIN
- 250 PE — OD250 PE100 PN12.5 WATERMAIN
- 315 PE — OD315 PE100 PN12.5 WATERMAIN
- 450 PE — OD450 PE100 PN12.5 WATERMAIN
- FH — FIRE HYDRANT
- SV — SLUICE VALVE
- PV — PEET VALVE
- BC — BLANK CAP (WITH THRUST BLOCK)
- LC — OD25 PE LOT CONNECTION
- WMB — WATER METER BANK

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.
3. SEE 1972-11-AB505 FOR COORDINATE SCHEDULES.
4. ALL MATERIALS COMPLY WITH WSL MATERIAL STANDARDS.
5. ALL LOT CONNECTIONS TO BE OD25PE (INTERNAL DIA 20mm) TO FIT A 20mm METER, IN ACCORDANCE WITH WS18.
6. WATERMAIN MATERIAL:  
 PE  
 OD63 PE - MDPE PE80B PN12.5 TO AS/NZS 4130/4131  
 OD125 PE, OD180 PE, OD250 PE, OD315 PE, OD355 PE, OD450 PE  
 PE100 PN12.5 TO AS/NZS 4130/4131  
 FITTINGS  
 MANUFACTURER: GILLIES METALTECH  
 DUCTILE IRON K9 OR PN35 TO AS/NZS 2280



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, VALVES/HYDRANTS/BENDS/BLANK CAPS/TEES POSITIONS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
DATE

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DATE:	12.2021	DRAWN:	RGP
DATE:	13.12.21	CHECKED:	RJP
DATE:	13.12.21	APPROVED:	RJP
DATE:		ISSUED FOR ASBUILT:	A
DATE:		REVISION DETAILS:	

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

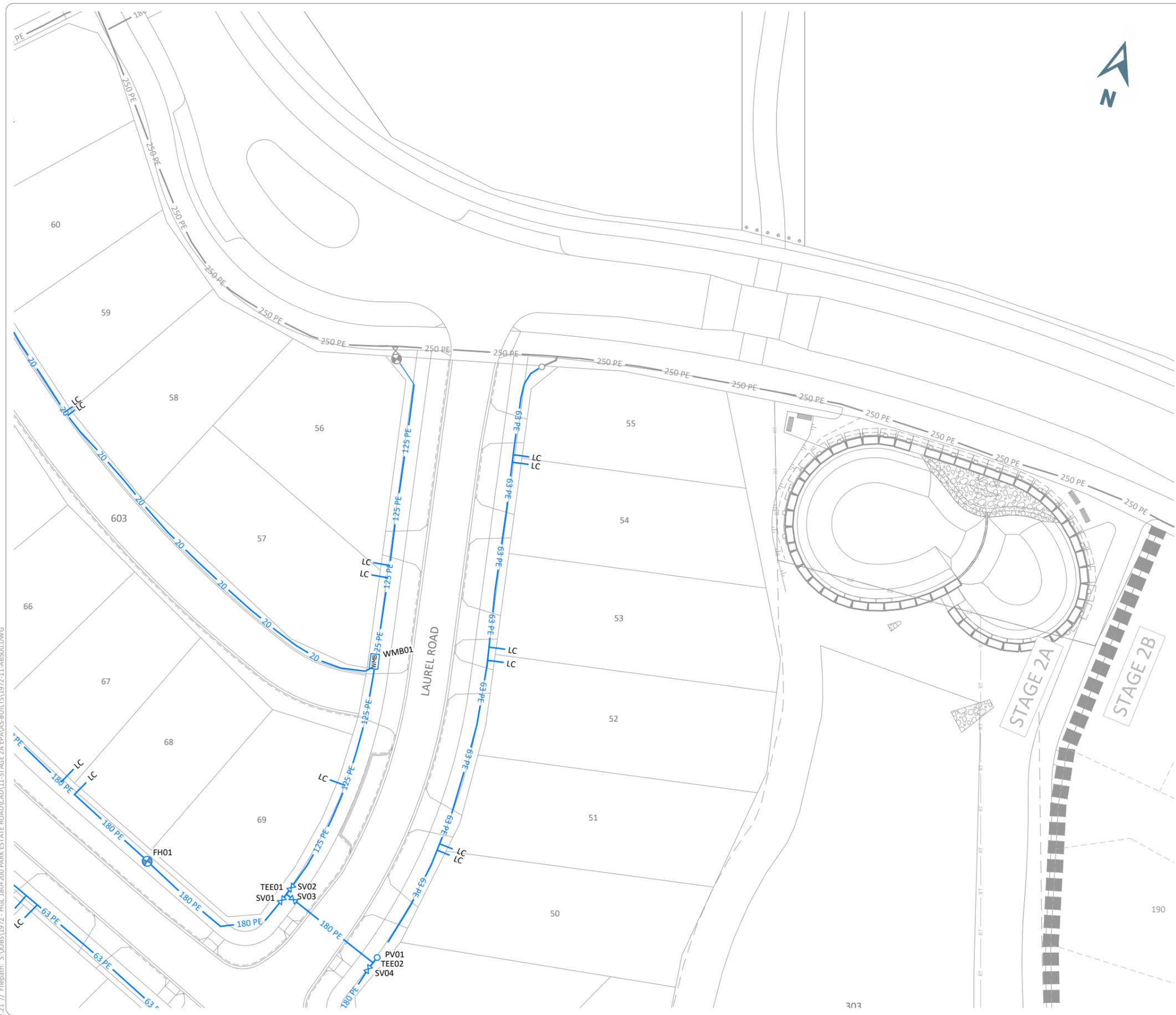
SHEET TITLE:  
**WATERMAIN ASBUILT  
 DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**

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DRAWING NUMBER: **1972-11-AB500** REV: **A**

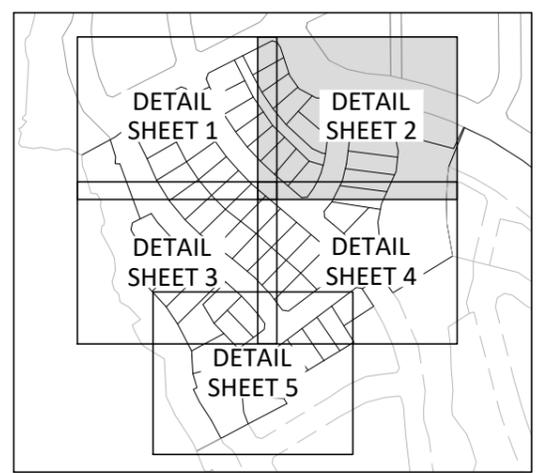


**LEGEND**

— 63 PE —	OD63 MDPE PE80B PN12.5 RIDERMAIN
— 125 PE —	OD125 PE100 PN12.5 WATERMAIN
— 180 PE —	OD180 PE100 PN12.5 WATERMAIN
— 250 PE —	OD250 PE100 PN12.5 WATERMAIN
— 315 PE —	OD315 PE100 PN12.5 WATERMAIN
— 450 PE —	OD450 PE100 PN12.5 WATERMAIN
FH	FIRE HYDRANT
SV	SLUICE VALVE
PV	PEET VALVE
BC	BLANK CAP (WITH THRUST BLOCK)
LC	OD25 PE LOT CONNECTION
WMB	WATER METER BANK

**NOTES**

- COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
- CONSTRUCTION WAS UNDERTAKEN IN 2021.
- SEE 1972-11-AB505 FOR COORDINATE SCHEDULES.
- ALL MATERIALS COMPLY WITH WSL MATERIAL STANDARDS.
- ALL LOT CONNECTIONS TO BE OD25PE (INTERNAL DIA 20mm) TO FIT A 20mm METER, IN ACCORDANCE WITH WS18.
- WATERMAIN MATERIAL:  
 PE  
 OD63 PE- MDPE PE80B PN12.5 TO AS/NZS 4130/4131  
 OD125 PE, OD180 PE, OD250 PE, OD315 PE, OD355 PE , OD450 PE  
 PE100 PN12.5 TO AS/NZS 4130/4131  
 FITTINGS  
 MANUFACTURER: GILLIES METALTECH  
 DUCTILE IRON K9 OR PN35 TO AS/NZS 2280



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, VALVES/HYDRANTS/BENDS/BLANK CAPS/TEES POSITIONS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG  
13.12.21  
DATE

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ISSUED FOR ASBUILT	RGP	13.12.21
REVISION DETAILS	BY	DATE

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
 STAGE 2A PARK ESTATE ROAD  
 HINGAIA - ENG60369380**

SHEET TITLE:  
**WATERMAIN ASBUILT  
 DETAIL SHEET 2**

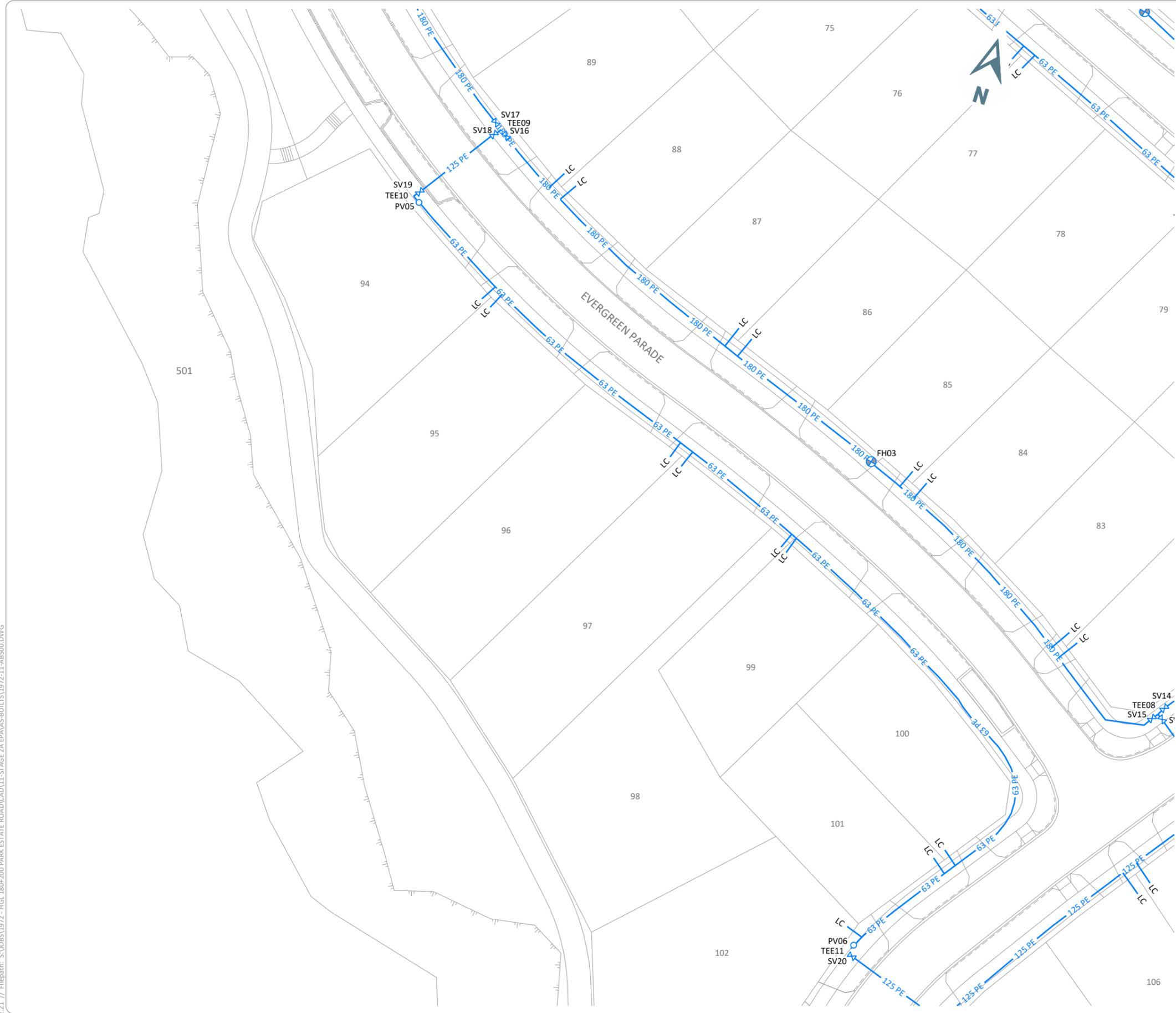
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SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB501** REV: **A**

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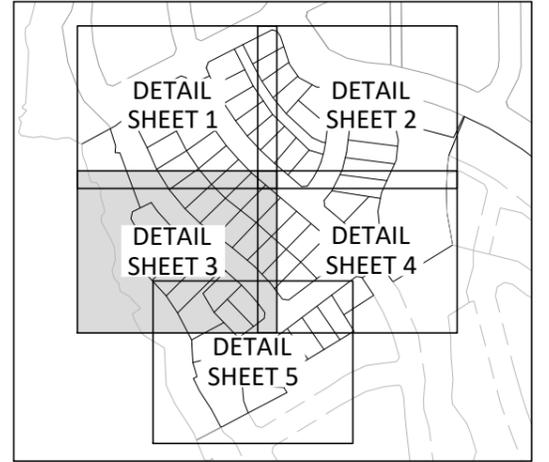


**LEGEND  
ASBUILT**

- 63 PE — OD63 MDPE PE80B PN12.5 RIDERMAIN
- 125 PE — OD125 PE100 PN12.5 WATERMAIN
- 180 PE — OD180 PE100 PN12.5 WATERMAIN
- 250 PE — OD250 PE100 PN12.5 WATERMAIN
- 315 PE — OD315 PE100 PN12.5 WATERMAIN
- 450 PE — OD450 PE100 PN12.5 WATERMAIN
- FH — FIRE HYDRANT
- SV — SLUICE VALVE
- PV — PEET VALVE
- BC — BLANK CAP (WITH THRUST BLOCK)
- LC — OD25 PE LOT CONNECTION
- WMB — WATER METER BANK

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.
3. SEE 1972-11-AB505 FOR COORDINATE SCHEDULES.
4. ALL MATERIALS COMPLY WITH WSL MATERIAL STANDARDS.
5. ALL LOT CONNECTIONS TO BE OD25PE (INTERNAL DIA 20mm) TO FIT A 20mm METER, IN ACCORDANCE WITH WS18.
6. WATERMAIN MATERIAL:
  - PE
  - OD63 PE- MDPE PE80B PN12.5 TO AS/NZS 4130/4131
  - OD125 PE, OD180 PE, OD250 PE, OD315 PE, OD355 PE , OD450 PE
  - PE100 PN12.5 TO AS/NZS 4130/4131
- FITTINGS
  - MANUFACTURER: GILLIES METALTECH
  - DUCTILE IRON K9 OR PN35 TO AS/NZS 2280



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, VALVES/HYDRANTS/BENDS/BLANK CAPS/TEES POSITIONS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
DATE

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REV	REVISION DETAILS	BY	DATE

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PROJECT TITLE:  
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STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

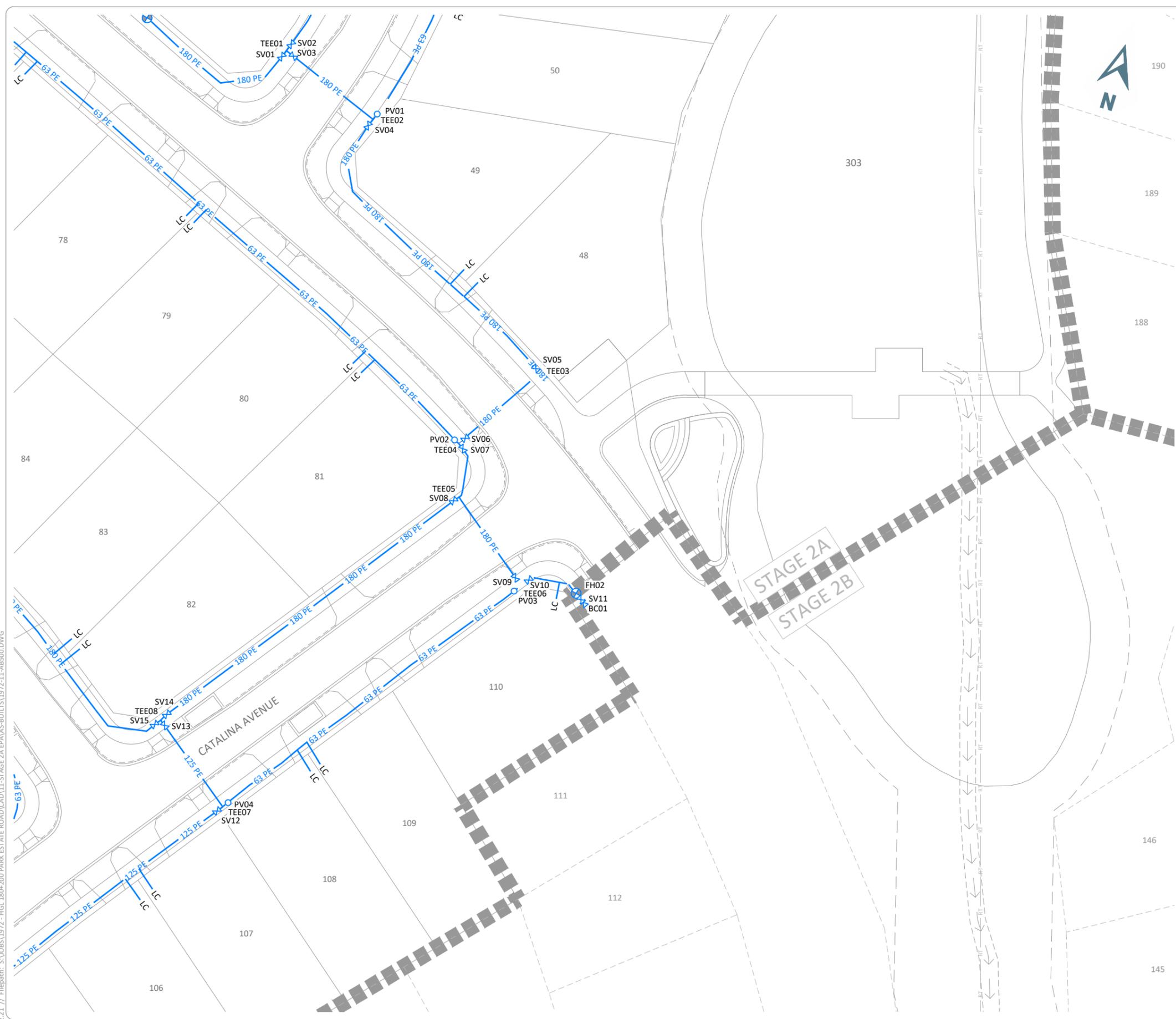
SHEET TITLE:  
**WATERMAIN ASBUILT  
DETAIL SHEET 3**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR 1:500@A3

DRAWING NUMBER: **1972-11-AB502** REV: **A**

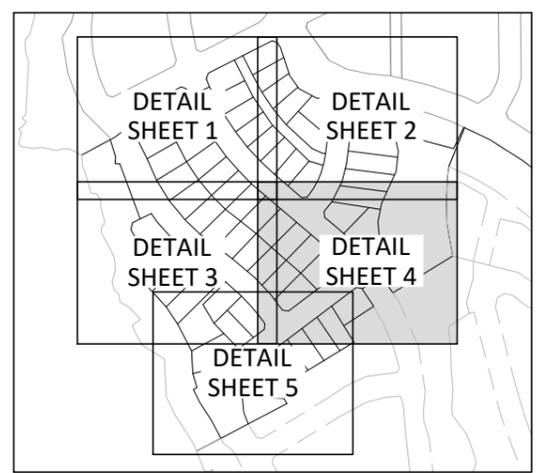


**LEGEND  
ASBUILT**

- 63 PE — OD63 MDPE PE80B PN12.5 RIDERMAIN
- 125 PE — OD125 PE100 PN12.5 WATERMAIN
- 180 PE — OD180 PE100 PN12.5 WATERMAIN
- 250 PE — OD250 PE100 PN12.5 WATERMAIN
- 315 PE — OD315 PE100 PN12.5 WATERMAIN
- 450 PE — OD450 PE100 PN12.5 WATERMAIN
- FH — FIRE HYDRANT
- SV — SLUICE VALVE
- PV — PEET VALVE
- BC — BLANK CAP (WITH THRUST BLOCK)
- LC — OD25 PE LOT CONNECTION
- WMB — WATER METER BANK

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.
3. SEE 1972-11-AB505 FOR COORDINATE SCHEDULES.
4. ALL MATERIALS COMPLY WITH WSL MATERIAL STANDARDS.
5. ALL LOT CONNECTIONS TO BE OD25PE (INTERNAL DIA 20mm) TO FIT A 20mm METER, IN ACCORDANCE WITH WS18.
6. WATERMAIN MATERIAL:
  - PE — OD63 PE- MDPE PE80B PN12.5 TO AS/NZS 4130/4131
  - OD125 PE, OD180 PE, OD250 PE, OD315 PE, OD355 PE, OD450 PE — PE100 PN12.5 TO AS/NZS 4130/4131
  - FITTINGS — MANUFACTURER: GILLIES METALTECH
  - DUCTILE IRON K9 OR PN35 TO AS/NZS 2280



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, VALVES/HYDRANTS/BENDS/BLANK CAPS/TEES POSITIONS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

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CMENGNZ CPENG  
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DATE

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

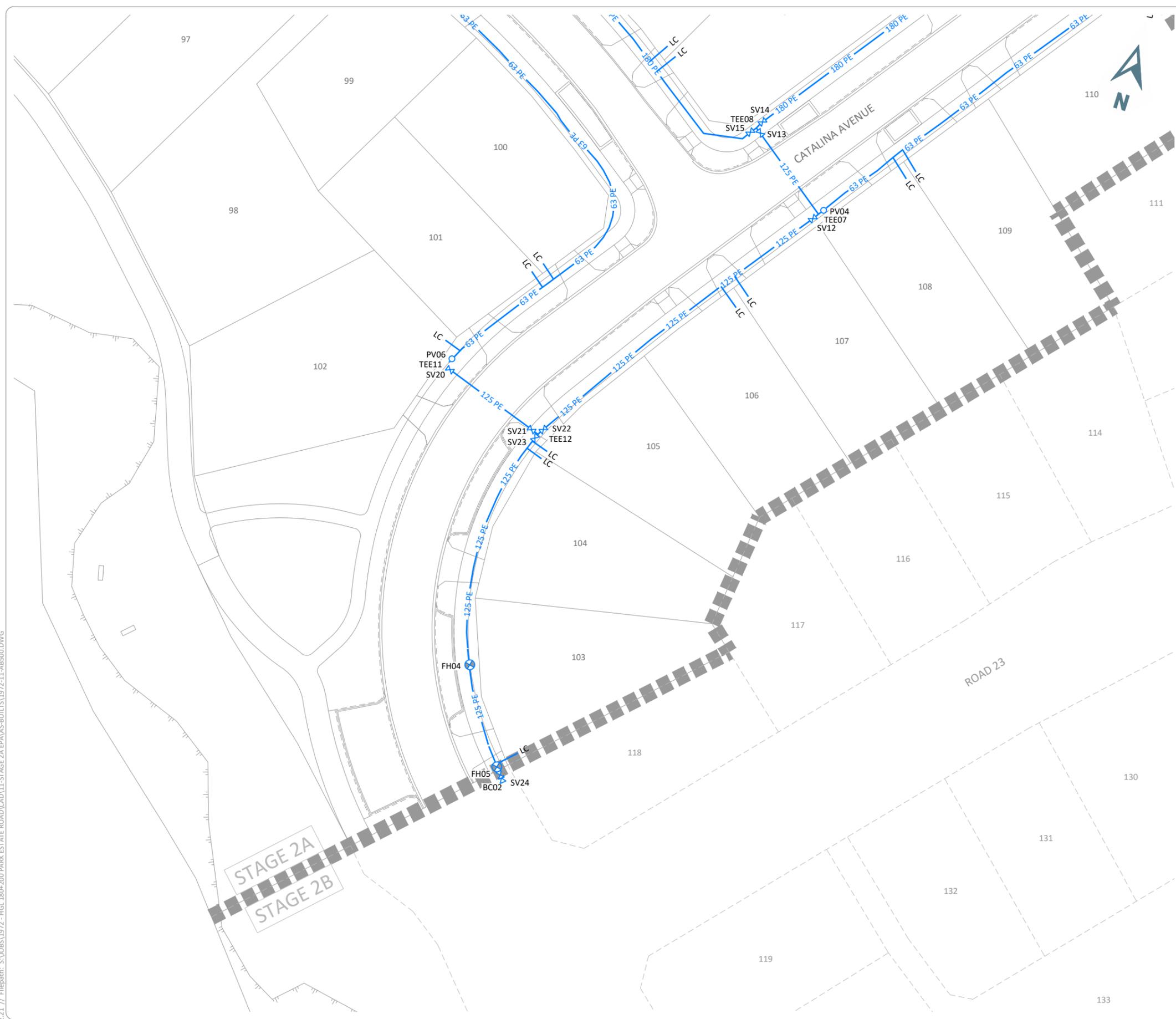
SHEET TITLE:  
**WATERMAIN ASBUILT  
DETAIL SHEET 4**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB503** REV: **A**

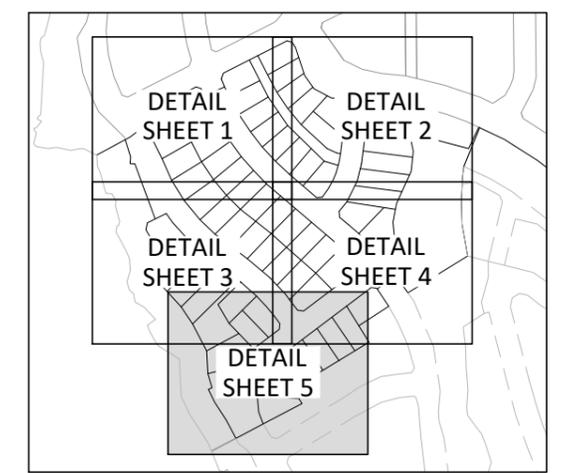


**LEGEND  
ASBUILT**

- 63 PE — OD63 MDPE PE80B PN12.5 RIDERMAIN
- 125 PE — OD125 PE100 PN12.5 WATERMAIN
- 180 PE — OD180 PE100 PN12.5 WATERMAIN
- 250 PE — OD250 PE100 PN12.5 WATERMAIN
- 315 PE — OD315 PE100 PN12.5 WATERMAIN
- 450 PE — OD450 PE100 PN12.5 WATERMAIN
- FH — FIRE HYDRANT
- SV — SLUICE VALVE
- PV — PEET VALVE
- BC — BLANK CAP (WITH THRUST BLOCK)
- LC — OD25 PE LOT CONNECTION
- WMB — WATER METER BANK

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.
3. SEE 1972-11-AB505 FOR COORDINATE SCHEDULES.
4. ALL MATERIALS COMPLY WITH WSL MATERIAL STANDARDS.
5. ALL LOT CONNECTIONS TO BE OD25PE (INTERNAL DIA 20mm) TO FIT A 20mm METER, IN ACCORDANCE WITH WS18.
6. WATERMAIN MATERIAL:
  - PE
  - OD63 PE- MDPE PE80B PN12.5 TO AS/NZS 4130/4131
  - OD125 PE, OD180 PE, OD250 PE, OD315 PE, OD355 PE, OD450 PE
  - PE100 PN12.5 TO AS/NZS 4130/4131
  - FITTINGS
  - MANUFACTURER: GILLIES METALTECH
  - DUCTILE IRON K9 OR PN35 TO AS/NZS 2280



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, VALVES/HYDRANTS/BENDS/BLANK CAPS/TEES POSITIONS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG  
13.12.21  
DATE

Printed by: RIDGLEY@13.12.21 // Filepath: S:\JOBS\1972-11-AB505\BUILTS\1972-11-AB505.DWG

DATE:	12.2021	DATE:	13.12.21
CHECKED:	RJP	DATE:	13.12.21
APPROVED:	RJP	DATE:	13.12.21
ISSUED FOR ASBUILT	RGP	DATE:	13.12.21
REVISION DETAILS	BY	DATE	

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**CIVILPLAN  
CONSULTANTS**

Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**WATERMAIN ASBUILT  
DETAIL SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB504** REV: **A**

Printed by: RIDGLEY@13.12.21 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILTS\1972-11-AB500.DWG

SCHEDULE OF COORDINATES SLUICE VALVES		
POINT No.	mE	mN
SV01	1771294.87	5893450.71
SV02	1771295.13	5893451.34
SV03	1771295.30	5893450.93
SV04	1771307.88	5893445.38
SV05	1771337.18	5893420.75
SV06	1771330.25	5893409.30
SV07	1771330.33	5893408.84
SV08	1771331.76	5893402.20
SV09	1771342.42	5893394.01
SV10	1771342.90	5893394.07
SV11	1771350.59	5893394.22
SV12	1771313.77	5893355.90
SV13	1771303.50	5893364.36
SV14	1771303.46	5893364.82
SV15	1771303.05	5893364.27
SV16	1771202.19	5893412.63
SV17	1771201.62	5893413.01
SV18	1771201.74	5893412.58
SV19	1771193.73	5893401.85
SV20	1771273.92	5893324.17
SV21	1771287.09	5893319.30
SV22	1770896.96	5893222.97
SV23	1771287.48	5893319.47
SV23	1771287.23	5893318.92
SV24	1771294.82	5893276.12

SCHEDULE OF COORDINATES BLANK CAPS		
POINT No.	mE	mN
BC01	1771350.63	5893394.16
BC02	1770886.05	5893222.70
BC02	1771294.91	5893276.00

SCHEDULE OF COORDINATES PEET VALVES		
POINT No.	mE	mN
PV01	1771308.27	5893446.26
PV02	1771329.53	5893409.37
PV03	1771342.49	5893393.49
PV04	1771314.20	5893356.46
PV05	1771193.84	5893401.39
PV06	1770883.27	5893228.17
PV06	1771273.80	5893324.66

SCHEDULE OF COORDINATES TEES		
POINT No.	mE	mN
TEE01	1771294.96	5893451.04
TEE02	1771308.04	5893445.68
TEE03	1771337.48	5893420.60
TEE04	1771330.03	5893409.03
TEE05	1771331.97	5893402.48
TEE06	1771342.72	5893393.81
TEE07	1771313.96	5893356.14
TEE08	1771303.28	5893364.53
TEE09	1771201.93	5893412.87
TEE10	1771193.58	5893401.61
TEE11	1771273.64	5893324.28
TEE12	1770896.84	5893222.70
TEE12	1771287.37	5893319.20

SCHEDULE OF COORDINATES FIRE HYDRANTS		
POINT No.	mE	mN
FH01	1771276.71	5893450.12
FH02	1771350.32	5893394.39
FH03	1771259.10	5893385.28
FH04	1771287.15	5893288.55
FH05	1770885.76	5893223.05
FH05	1771294.62	5893276.35

**NOTES**

- COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
- CONSTRUCTION WAS UNDERTAKEN IN 2021.
- SEE 1972-11-AB505 FOR COORDINATE SCHEDULES.
- ALL MATERIALS COMPLY WITH WSL MATERIAL STANDARDS.
- ALL LOT CONNECTIONS TO BE OD25PE (INTERNAL DIA 20mm) TO FIT A 20mm METER, IN ACCORDANCE WITH WS18.
- WATERMAIN MATERIAL:
  - PE  
OD63 PE- MDPE PE80B PN12.5 TO AS/NZS 4130/4131
  - OD125 PE, OD180 PE, OD250 PE, OD315 PE, OD355 PE, OD450 PE - PE100 PN12.5 TO AS/NZS 4130/4131
  - FITTINGS  
MANUFACTURER: GILLIES METALTECH  
DUCTILE IRON K9 OR PN35 TO AS/NZS 2280

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PIPE SIZES, VALVES/HYDRANTS/BENDS/BLANK CAPS/TEES POSITIONS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

13.12.21  
DATE

REV	ISSUED FOR ASBUILT	BY	DATE
A	ISSUED FOR ASBUILT	RGF	13.12.21
	REVISION DETAILS		

DRAWN: RGP	DATE: 12.20.21
CHECKED: RJP	DATE: 13.12.21
APPROVED: RJP	DATE: 13.12.21

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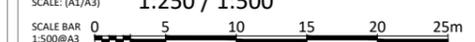
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380

SHEET TITLE:  
WATERMAIN ASBUILT  
NZTM ASSET COORDINATES

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) 1:250 / 1:500

SCALE BAR 1:500@A3 

DRAWING NUMBER: 1972-11-AB505 REV: A

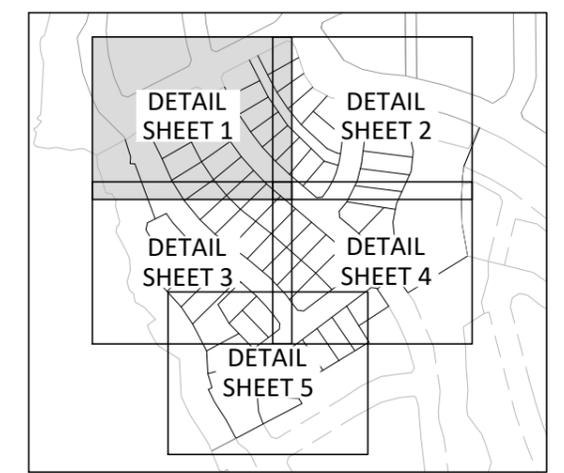


**LEGEND**

- ASBUILT**
- 100mm 400V LV CABLE
  - 150mm DUCT & HV CABLE
  - PILLAR BOX
  - STREETLIGHT
  - LINK BOX
  - RING MAIN UNIT
  - TRANSFORMER

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE POWER CABLES, DUCTING, STREET LIGHTS, LINK BOXES, RING MAIN UNITS, TRANSFORMERS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
DATE

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DATE	BY	DATE	BY
DRAWN: RGP 12.20.21		CHECKED: RJP 13.12.21	
APPROVED: RJP 13.12.21			
A ISSUED FOR ASBUILT	RGP	13.12.21	
REV	REVISION DETAILS	BY	DATE

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

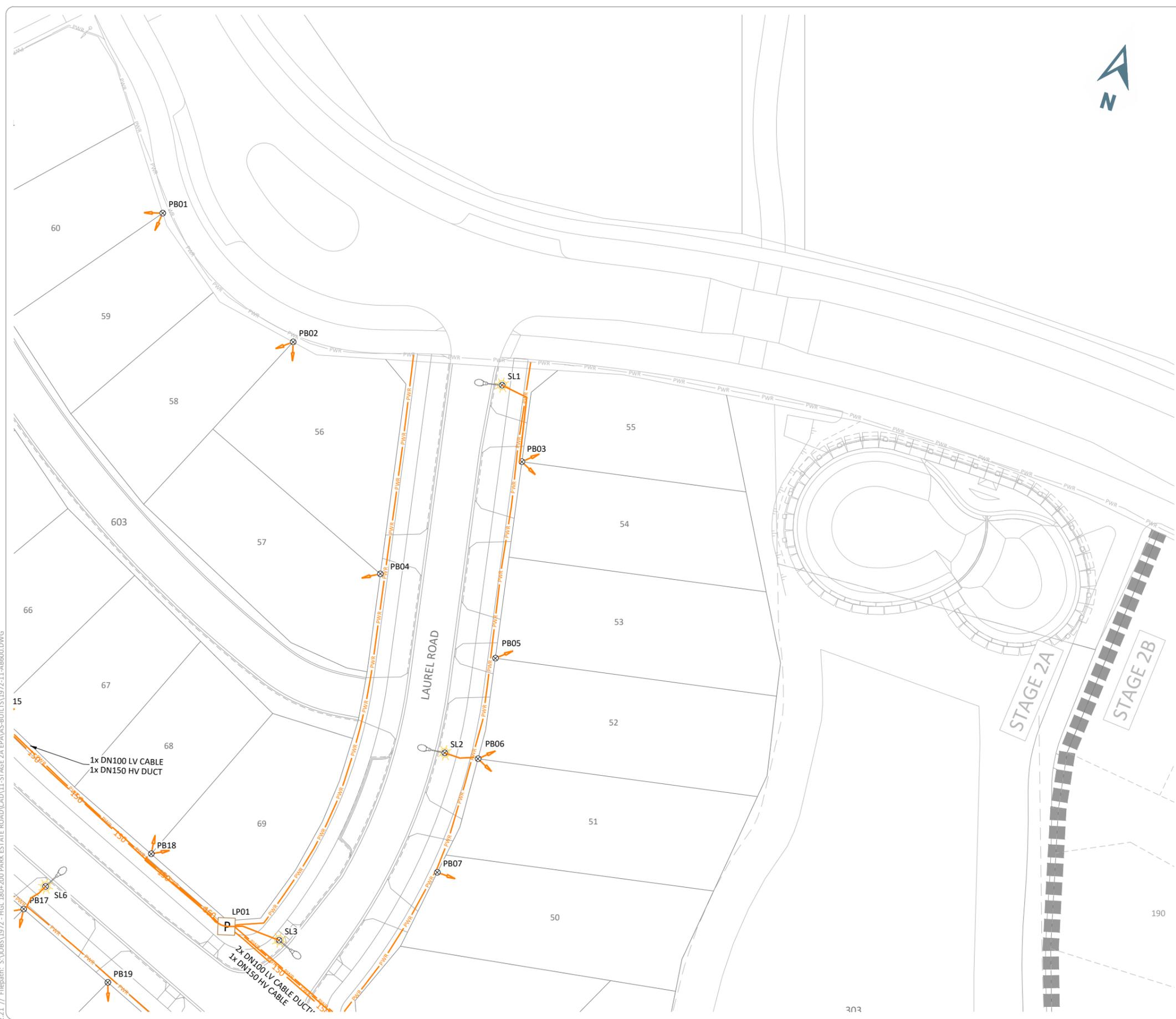
SHEET TITLE:  
**POWER SUPPLY ASBUILT  
DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) 1:250 / 1:500

SCALE BAR 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB600** REV: **A**



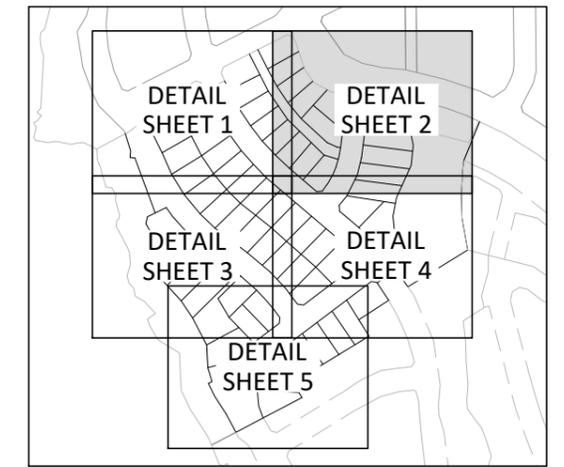
**LEGEND**

**ASBUILT**

- 100mm 400V LV CABLE
- 150mm DUCT & HV CABLE
- PILLAR BOX
- STREETLIGHT
- P LINK BOX
- RMU RING MAIN UNIT
- TX TRANSFORMER

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE POWER CABLES, DUCTING, STREET LIGHTS, LINK BOXES, RING MAIN UNITS, TRANSFORMERS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG      13.12.21  
DATE

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A	ISSUED FOR ASBUILT	RGP	13.12.21
REV	REVISION DETAILS	BY	DATE

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CONSULTANTS

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**POWER SUPPLY ASBUILT  
DETAIL SHEET 2**

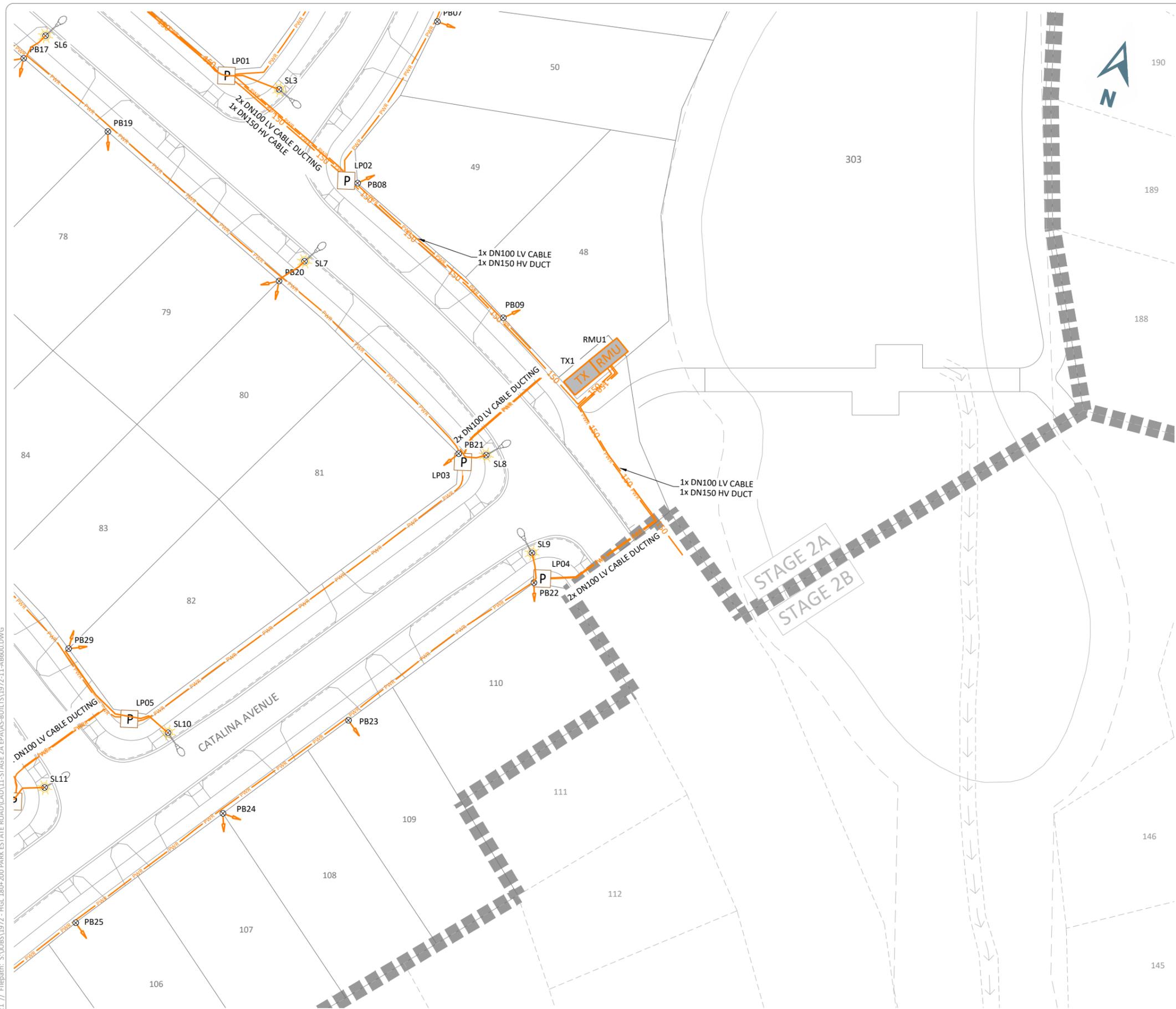
ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB601**      REV: **A**



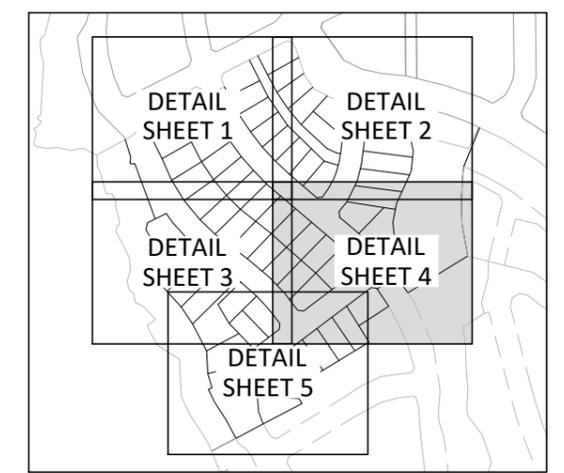


**LEGEND**

- ASBUILT**
- 100mm 400V LV CABLE
  - 150mm DUCT & HV CABLE
  - PILLAR BOX
  - STREETLIGHT
  - LINK BOX
  - RING MAIN UNIT
  - TRANSFORMER

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE POWER CABLES, DUCTING, STREET LIGHTS, LINK BOXES, RING MAIN UNITS, TRANSFORMERS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG  
13.12.21  
DATE

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DATE:	12.2021	DATE:	13.12.21
CHECKED:	RJP	DATE:	13.12.21
APPROVED:	RJP	DATE:	13.12.21
ISSUED FOR ASBUILT	RGP	DATE:	13.12.21
REVISION DETAILS	BY	DATE	

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

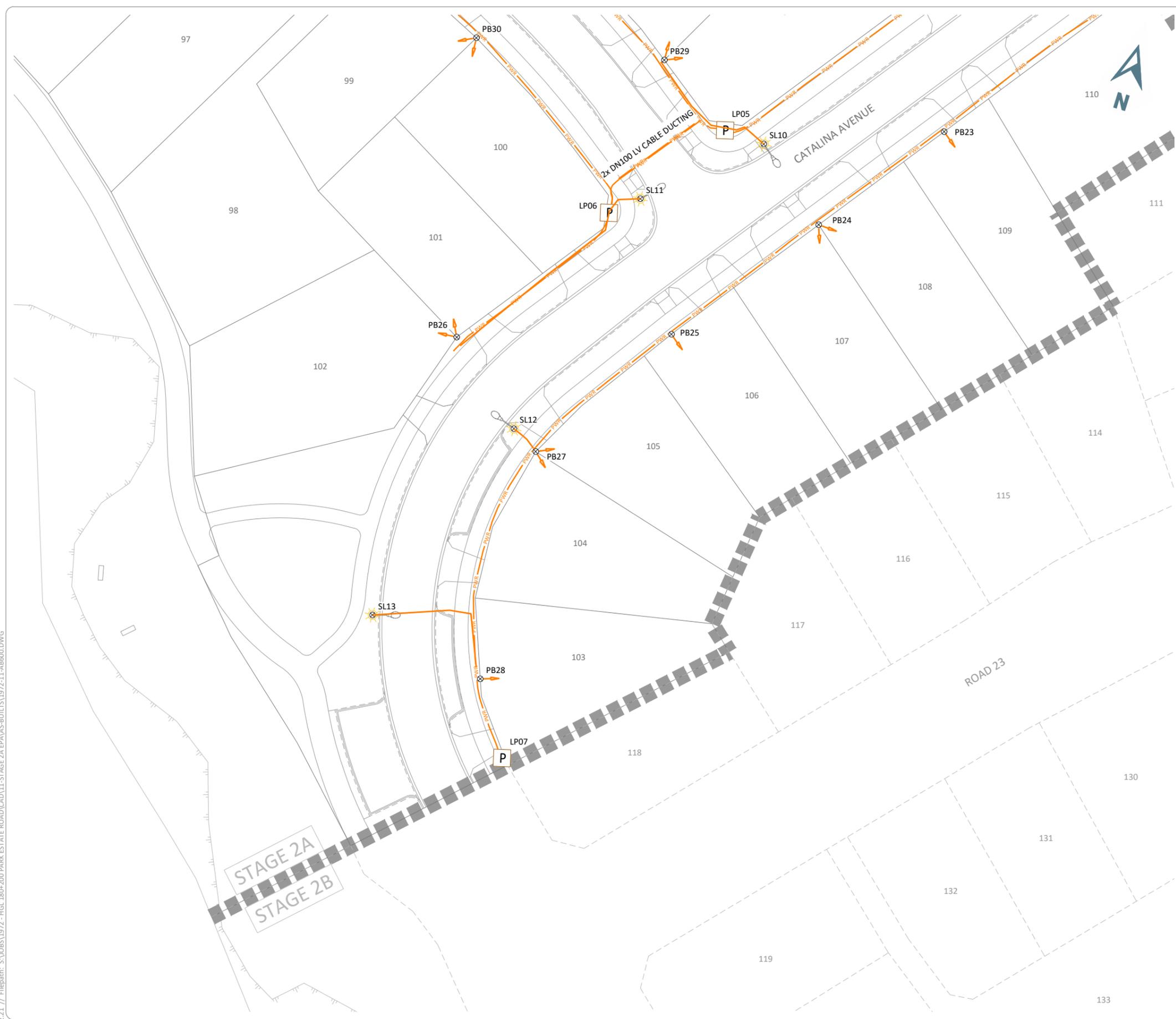
SHEET TITLE:  
**POWER SUPPLY ASBUILT  
DETAIL SHEET 4**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB603** REV: **A**

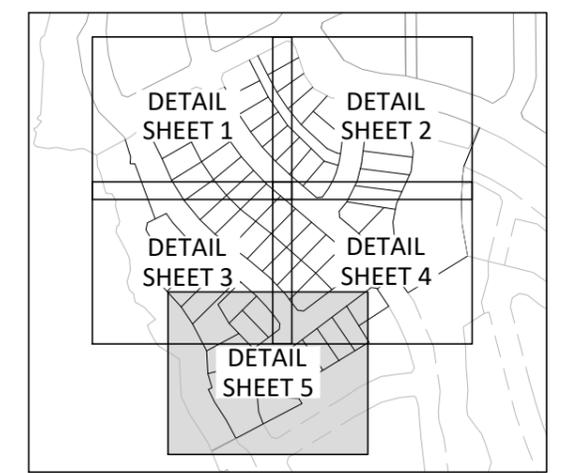


**LEGEND**

- ASBUILT**
- 100mm 400V LV CABLE
  - 150mm DUCT & HV CABLE
  - PILLAR BOX
  - STREETLIGHT
  - LINK BOX
  - RING MAIN UNIT
  - TRANSFORMER

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE POWER CABLES, DUCTING, STREET LIGHTS, LINK BOXES, RING MAIN UNITS, TRANSFORMERS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 13.12.21  
DATE

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DATE:	12.2021	DRAWN:	RGP
DATE:	13.12.21	CHECKED:	RJP
DATE:	13.12.21	APPROVED:	RJP
DATE:		DATE:	
DATE:		DATE:	

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Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**POWER SUPPLY ASBUILT  
DETAIL SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB604** REV: **A**

Printed by: RIDGLEY@13.12.21 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILTS\1972-11-AB600.DWG

SCHEDULE OF COORDINATES LINK & PILL BOXES NZTM		
POINT No.	mE	mN
LP01	1771288.61	5893445.38
LP02	1771307.10	5893436.77
LP03	1771331.33	5893406.35
LP04	1771345.22	5893394.98
LP05	1771299.54	5893363.08
LP06	1771288.15	5893348.83
LP07	1771294.47	5893278.20
PB01	1771255.50	5893530.58
PB02	1771276.06	5893519.42
PB03	1771308.37	5893512.87
PB04	1771294.98	5893494.10
PB05	1771312.09	5893487.85
PB06	1771313.52	5893474.91
PB07	1771312.55	5893459.54
PB08	1771308.50	5893436.90
PB09	1771331.15	5893425.57
PB10	1771207.58	5893500.00
PB11	1771182.70	5893500.03
PB12	1771207.12	5893477.44
PB13	1771229.49	5893479.32
PB14	1771227.88	5893460.21
PB15	1771252.61	5893463.61
PB16	1771250.87	5893446.07
PB17	1771263.12	5893440.37
PB18	1771276.80	5893451.65
PB19	1771276.04	5893434.36
PB20	1771302.35	5893422.12
PB21	1771330.50	5893407.34
PB22	1771344.32	5893394.18
PB23	1771326.44	5893370.72
PB24	1771314.35	5893354.86
PB25	1771300.17	5893336.21
PB26	1771273.93	5893328.23
PB27	1771287.68	5893317.02
PB28	1771288.94	5893287.19
PB29	1771289.57	5893369.56
PB30	1771265.73	5893365.61
PB31	1771264.92	5893384.07
PB32	1771249.25	5893373.62
PB33	1771243.83	5893393.28
PB34	1771221.30	5893384.59
PB35	1771224.66	5893400.87
PB36	1771201.00	5893395.54
PB37	1771196.68	5893418.21
PB38	1771172.84	5893443.32
PB39	1771149.18	5893465.31

SCHEDULE OF COORDINATES STREET LIGHTS NZTM		
POINT No.	mE	mN
SL1	1771303.22	5893521.54
SL10	1771304.75	5893362.80
SL11	1771291.55	5893351.71
SL12	1771284.20	5893319.06
SL13	1771273.45	5893291.19
SL14	1771262.86	5893380.45
SL15	1771222.61	5893397.33
SL16	1771194.06	5893415.12
SL17	1771169.72	5893440.19
SL2	1771309.22	5893474.44
SL3	1771295.54	5893445.61
SL4	1771199.80	5893490.57
SL5	1771230.06	5893463.93
SL6	1771264.99	5893443.91
SL7	1771304.76	5893425.44
SL8	1771333.94	5893408.13
SL9	1771343.02	5893397.76

SCHEDULE OF COORDINATES TRANSFORMER & RMU NZTM		
POINT No.	mE	mN
RMU1	1771345.23	5893424.51
TX1	1771343.11	5893420.99

**NOTES**

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- CONSTRUCTION WAS UNDERTAKEN IN 2021.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE POWER CABLES, DUCTING, STREET LIGHTS, LINK BOXES, RING MAIN UNITS, TRANSFORMERS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

13.12.21  
DATE

REV	ISSUED FOR ASBUILT	REVISION DETAILS	BY	DATE
A	ISSUED FOR ASBUILT		RGP	13.12.21

DRAWN:	DATE:	12.2021
CHECKED:	DATE:	13.12.21
APPROVED:	DATE:	13.12.21

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**CIVILPLAN**  
CONSULTANTS

Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380

SHEET TITLE:  
POWER SUPPLY ASBUILT  
NZTM ASSET COORDINATES

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) 1:250 / 1:500

SCALE BAR 1:500@A3 

DRAWING NUMBER: 1972-11-AB605 REV: A

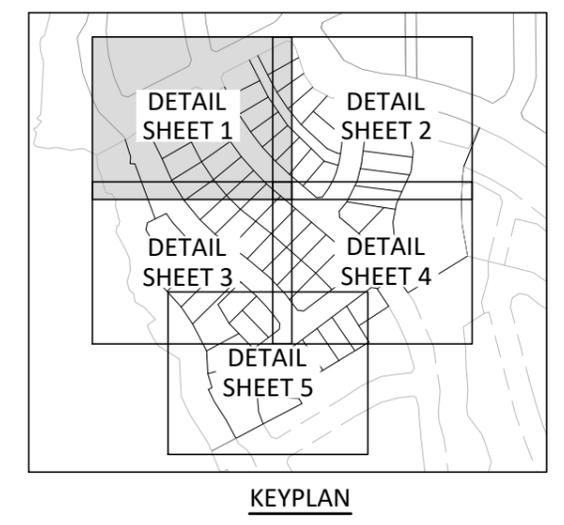


**LEGEND**

**ASBUILT**

- 26 WAY RIBBONET & 100mm DUCT
- SERVICE CHAMBER
- HANDHOLE AND HOUSE LEADS

- NOTES**
- COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
  - CONSTRUCTION WAS UNDERTAKEN IN 2021.



I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE COMMUNICATION BOXES, DUCTING, RIBBONETS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG 08.02.22  
DATE

Printed by: RIDGLEY@08.02.22 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILTS\1972-11-AB610.DWG

B	HANDHOLE DIMENSIONS ADDED	RGP	08.02.22
A	ISSUED FOR ASBUILT	RGP	13.12.21
REV	REVISION DETAILS	BY	DATE

DRAWN:	RGP	DATE:	12.2021
CHECKED:	RJP	DATE:	08.02.22
APPROVED:	RJP	DATE:	08.02.22

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**CIVILPLAN CONSULTANTS**

Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2B PARK ESTATE ROAD  
HINGAIA - ENG60374504**

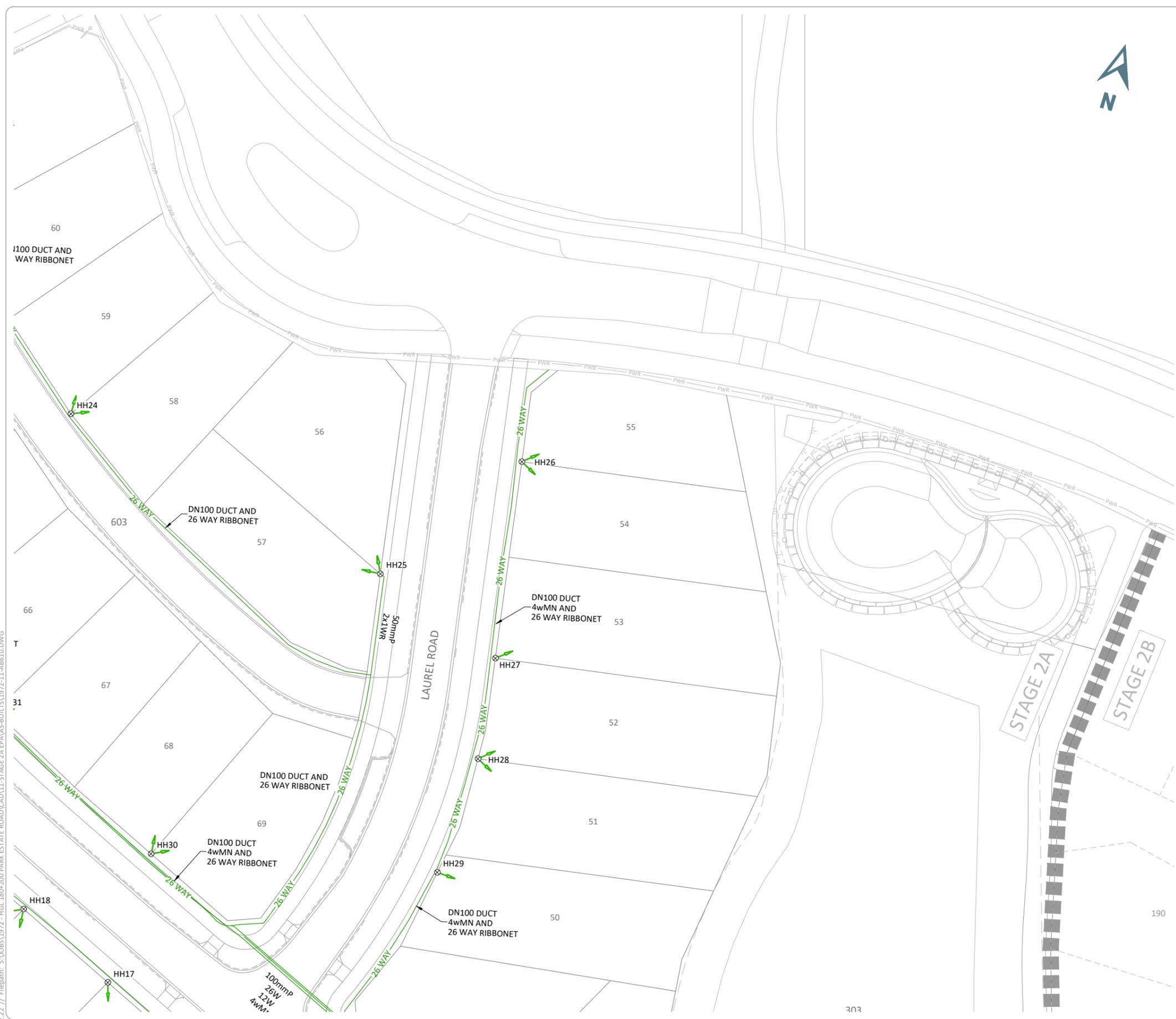
SHEET TITLE:  
**CHORUS ASBUILT  
DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB610** REV: **B**

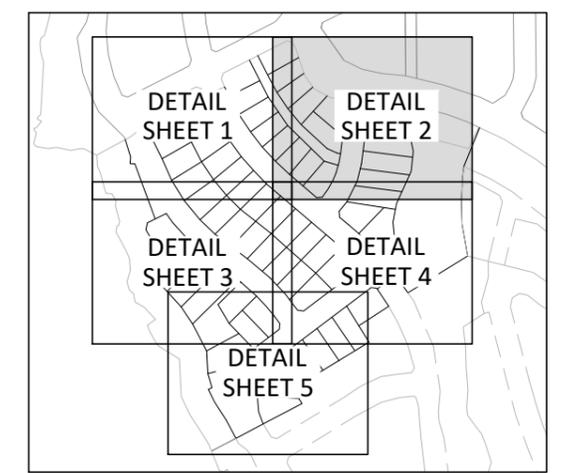


**LEGEND**

- ASBUILT**
- 26 WAY RIBBONET & 100mm DUCT
  - SERVICE CHAMBER
  - ↙ HANDHOLE AND HOUSE LEADS

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE COMMUNICATION BOXES, DUCTING, RIBBONETS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG  
08.02.22  
DATE

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REV	DESCRIPTION	DATE
B	HANDHOLE DIMENSIONS ADDED	08.02.22
A	ISSUED FOR ASBUILT	13.12.21
REV	REVISION DETAILS	BY DATE

DRAWN	DATE
RGP	12.2021
CHECKED	DATE
RJP	08.02.22
APPROVED	DATE
RJP	08.02.22

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2B PARK ESTATE ROAD  
HINGAIA - ENG60374504**

SHEET TITLE:  
**CHORUS ASBUILT  
DETAIL SHEET 2**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB611** REV: **B**

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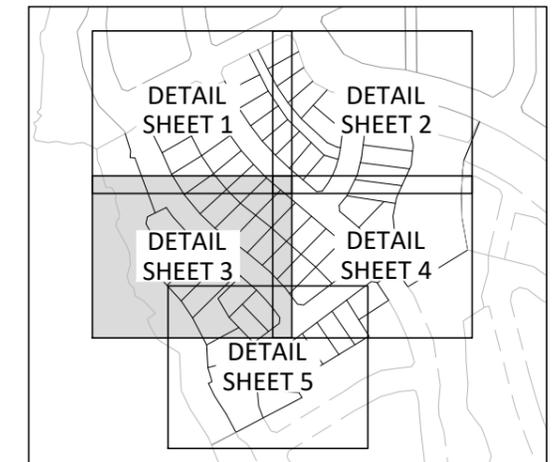
**LEGEND**

**ASBUILT**

- 26 WAY RIBBONET & 100mm DUCT
- SERVICE CHAMBER
- ↘ HANDHOLE AND HOUSE LEADS

**NOTES**

1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE COMMUNICATION BOXES, DUCTING, RIBBONETS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

08.02.22  
DATE

REV	DESCRIPTION	BY	DATE	
B	HANDHOLE DIMENSIONS ADDED	RGP	08.02.22	
A	ISSUED FOR ASBUILT	RGP	13.12.21	
	REVISION DETAILS			

DRAWN:	RGP	DATE:	12.2021	
CHECKED:	RJP	DATE:	08.02.22	
APPROVED:	RJP	DATE:	08.02.22	

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2B PARK ESTATE ROAD  
HINGAIA - ENG60374504**

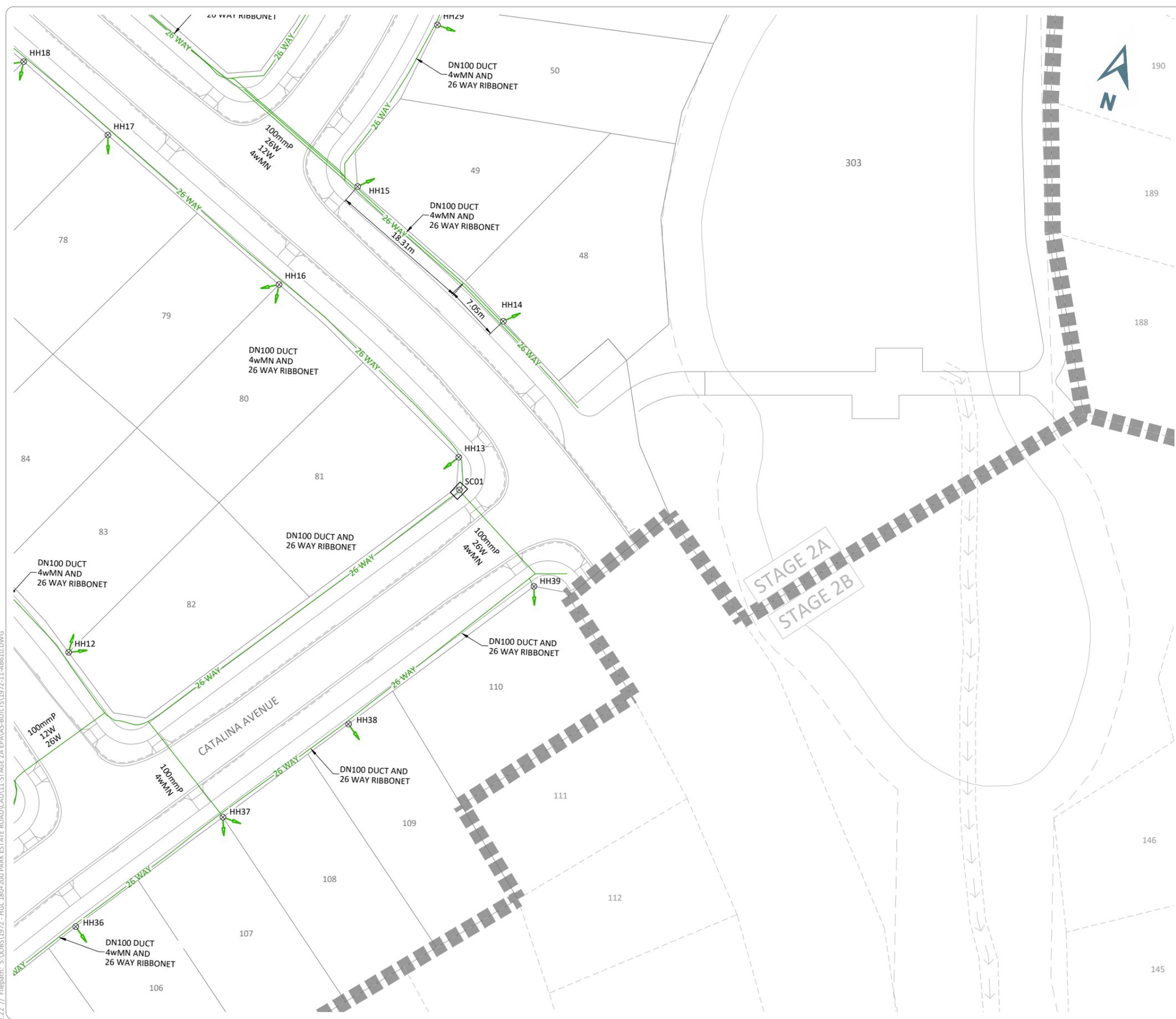
SHEET TITLE:  
**CHORUS ASBUILT  
DETAIL SHEET 3**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB612** REV: **B**

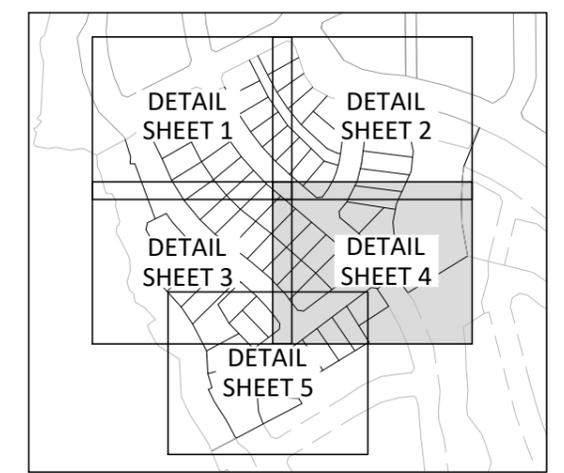


**LEGEND**

**ASBUILT**

- 26 WAY RIBBONET & 100mm DUCT
- SERVICE CHAMBER
- HANDHOLE AND HOUSE LEADS

- NOTES**
1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
  2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



**KEYPLAN**

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RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

08.02.22  
DATE

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REV	REVISION DETAILS	BY	DATE
B	HANDHOLE DIMENSIONS ADDED	RGP	08.02.22
A	ISSUED FOR ASBUILT	RGP	13.12.21
REV	REVISION DETAILS	BY	DATE

DRAWN:	RGP	DATE:	12.2021
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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2B PARK ESTATE ROAD  
HINGAIA - ENG60374504**

SHEET TITLE:  
**CHORUS ASBUILT  
DETAIL SHEET 4**

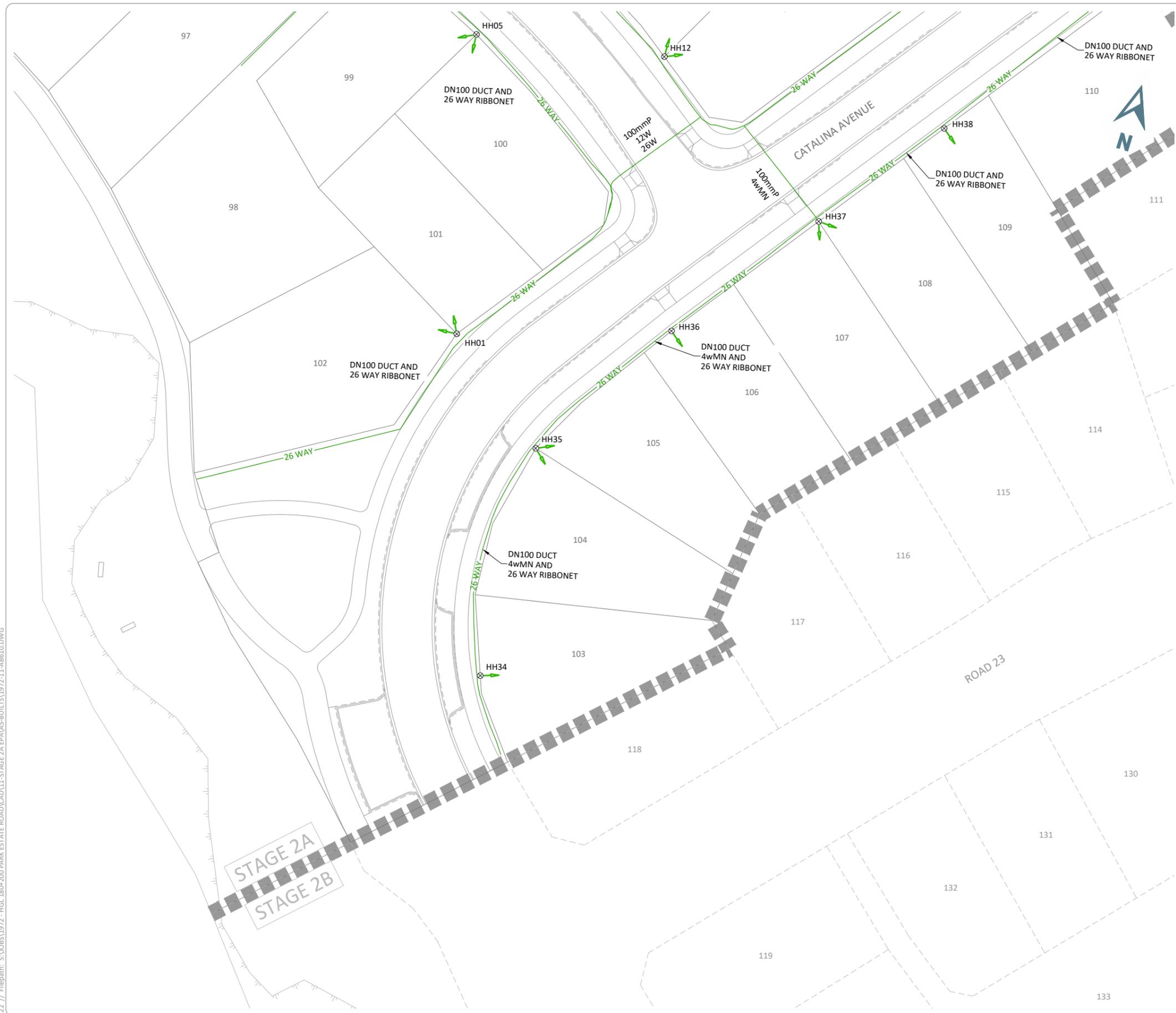
ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB613** REV: **B**

Printed by: RIDGLEY@08.02.22 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILTS\1972-11-AB610.DWG

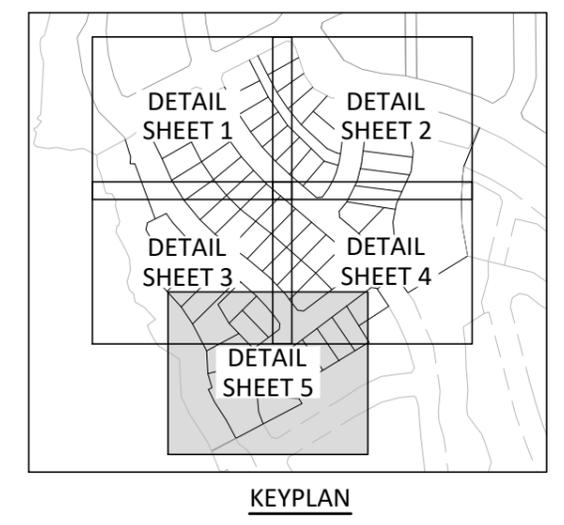


**LEGEND**

**ASBUILT**

- 26 WAY RIBBONET & 100mm DUCT
- SERVICE CHAMBER
- ↘ HANDHOLE AND HOUSE LEADS

- NOTES**
1. COORDINATES ARE IN TERMS OF NEW ZEALAND TRANSVERSE MERCATOR 2000.
  2. CONSTRUCTION WAS UNDERTAKEN IN 2021.



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*R. Pitkethley*

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

08.02.22  
DATE

REV	REVISION DETAILS	BY	DATE
B	HANDHOLE DIMENSIONS ADDED	RGP	08.02.22
A	ISSUED FOR ASBUILT	RGP	13.12.21

DRAWN	DATE
RGP	12.2021
CHECKED	DATE
RJP	08.02.22
APPROVED	DATE
RJP	08.02.22

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2B PARK ESTATE ROAD  
HINGAIA - ENG60374504**

SHEET TITLE:  
**CHORUS ASBUILT  
DETAIL SHEET 5**

ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB614** REV: **B**

Printed by: RIDGLEY@08.02.22 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILTS\1972-11-AB610.DWG

SCHEDULE OF COORDINATES HAND HOLES NZTM		
POINT No.	mE	mN
HH01	1771273.92	5893328.21
HH02	1771201.00	5893395.51
HH03	1771221.29	5893384.56
HH04	1771249.24	5893373.64
HH05	1771265.72	5893365.59
HH06	1771149.18	5893465.29
HH07	1771172.83	5893443.30
HH08	1771196.67	5893418.18
HH09	1771224.66	5893400.85
HH10	1771243.82	5893393.26
HH11	1771264.91	5893384.04
HH12	1771289.56	5893369.54
HH13	1771330.49	5893407.31
HH14	1771331.14	5893425.55
HH15	1771308.49	5893436.88
HH16	1771302.34	5893422.09
HH17	1771276.03	5893434.33
HH18	1771263.11	5893440.34
HH19	1771250.86	5893446.04
HH20	1771227.87	5893460.18
HH21	1771207.11	5893477.41
HH22	1771182.70	5893500.00
HH23	1771230.54	5893522.35
HH24	1771251.34	5893502.70
HH25	1771294.97	5893494.07
HH26	1771308.36	5893512.83
HH27	1771312.08	5893487.82
HH28	1771313.51	5893474.88
HH29	1771312.54	5893459.52
HH30	1771276.77	5893451.63
HH31	1771252.61	5893463.59
HH32	1771229.48	5893479.29
HH33	1771207.57	5893499.97
HH34	1771288.93	5893287.18
HH35	1771287.67	5893317.00
HH36	1771300.16	5893336.19
HH37	1771314.34	5893354.83
HH38	1771326.43	5893370.70
HH39	1771344.31	5893394.15

SCHEDULE OF COORDINATES SERVICE CHAMBER NZTM		
POINT No.	mE	mN
SC01	1771331.73	5893403.32

**NOTES**

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I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE COMMUNICATION BOXES, DUCTING, RIBBONETS AND SCHEDULE OF CO-ORDINATES ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, DEMPSEY WOOD CONSTRUCTION LTD.



RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

08.02.22  
DATE

REV	REVISION DETAILS	BY	DATE
B	HANDHOLE DIMENSIONS ADDED	RGP	08.02.22
A	ISSUED FOR ASBUILT	RGP	13.12.21

DRAWN:	DATE:	12.2021
CHECKED:	DATE:	08.02.22
APPROVED:	DATE:	08.02.22

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PROJECT TITLE:  
HUGH GREEN LIMITED  
STAGE 2B PARK ESTATE ROAD  
HINGAIA - ENG60374504

SHEET TITLE:  
CHORUS ASBUILT  
NZTM ASSET COORDINATES

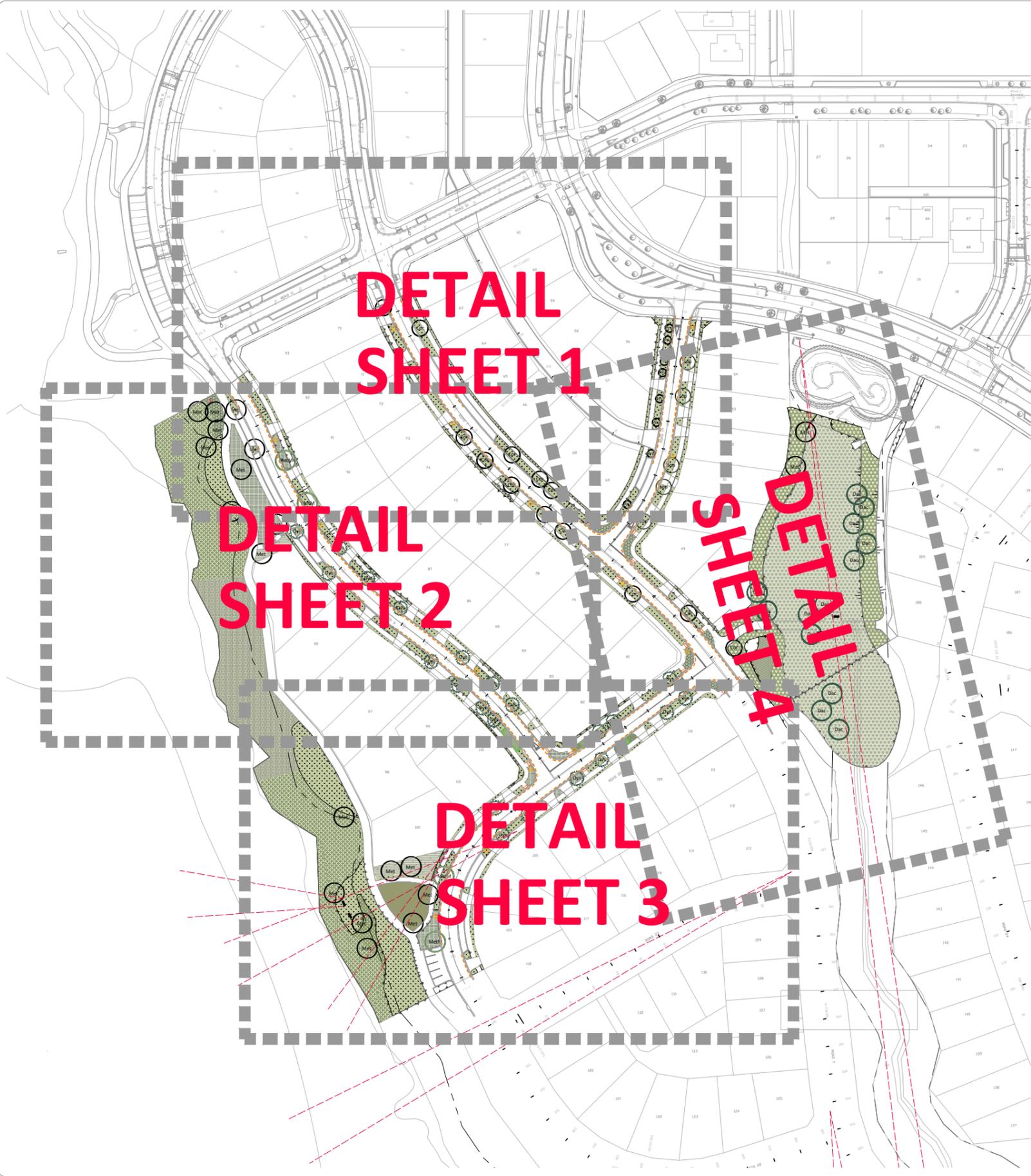
ISSUE STATUS: **ASBUILT ISSUE**

SCALE: (A1/A3) -

SCALE BAR  
N.T.S.

DRAWING NUMBER: **1972-11-AB615** REV: **B**

Printed by: RYAN@09.12.21 // Filepath: S:\JOBS\1972 - HGL 180+200 PARK ESTATE ROAD\CAD\11-STAGE 2A EPA\AS-BUILT\1972-11-AB700.DWG



**LEGEND**

- Cor** 13 x *Corynocarpus laevigatus* (160L)
- Dac** 13 x *Dacrydium dacrydioides* (45L)
- Dys** 22 x *Dysoxylum spectabile* (160L)
- Met** 20 x *Metrosideros excelsa* (160L)
- MetM** 4 x *Metrosideros excelsa* 'Maori Princess' (160L)
- Prt** 8 x *Prunus* 'Thundercloud' (160L)
- Sop** 5 x *Sophora cathamica* (160L)

- A** 645 x *Anamanthe lessoniana* (30%, 2/m<sup>2</sup> @1L)  
415 x *Dianella nigra* (30%, 3/m<sup>2</sup> @1L)
- B** 486 x *Apodamsia similis* (5%, 5/m<sup>2</sup> @0.5L)  
584 x *Astelia banksii* (20%, 1.5/m<sup>2</sup> @1L)  
389 x *Carex virgata* (10%, 2/m<sup>2</sup> @0.5L)  
311 x *Libertia ixioides* (10%, 2/m<sup>2</sup> @0.5L)  
356 x *Muehlenbeckia astonii* (1L) (20%, 2/m<sup>2</sup>)  
422 x *Muehlenbeckia astonii* (20%, 2/m<sup>2</sup> @0.5L)  
389 x *Phormium cookianum* subsp. *Hookeri* (10%, 2/m<sup>2</sup> @0.5L)  
97 x *Sophora cathamica* (5%, 1/m<sup>2</sup> @3L)  
292 x *Veronica stricta* (15%, 1/m<sup>2</sup> @0.5L)
- C** 284 x *Astelia banksii* (15%, 1.5/m<sup>2</sup> @1L)  
252 x *Carex virgata* (10%, 2/m<sup>2</sup> @0.5L)  
126 x *Coprosma robusta* (10%, 1/m<sup>2</sup> @0.5L)  
252 x *Libertia ixioides* (10%, 2/m<sup>2</sup> @0.5L)  
378 x *Muehlenbeckia astonii* (15%, 2/m<sup>2</sup> @1L)  
252 x *Phormium cookianum* subsp. *Hookeri* (10%, 2/m<sup>2</sup> @0.5L)  
126 x *Phormium tenax* (10%, 1/m<sup>2</sup> @0.5L)  
63 x *Pittosporum crassifolium* (5%, 1/m<sup>2</sup> @0.5L)  
126 x *Veronica stricta* (10%, 1/m<sup>2</sup> @0.5L)
- D** 71 x *Astelia banksii* (20%, 1.5/m<sup>2</sup> @1L)  
71 x *Coprosma acerosa* Hawera (20%, 1.5/m<sup>2</sup> @1L)  
94 x *Libertia ixioides* (20%, 2/m<sup>2</sup> @0.5L)  
94 x *Muehlenbeckia astonii* (20%, 2/m<sup>2</sup> @1L)  
47 x *Veronica stricta* (20%, 1/m<sup>2</sup> @0.5L)
- E** 139 x *Carex virgata* (40%, 2/m<sup>2</sup> @0.5L)  
157 x *Dianella nigra* (30%, 3/m<sup>2</sup> @1L)  
104 x *Muehlenbeckia astonii* (30%, 2/m<sup>2</sup> @1L)
- G** 65 x *Phormium Emerald Green* (50%, 2/m<sup>2</sup> @0.5L)  
65 x *Libertia ixioides* (50%, 2/m<sup>2</sup> @0.5L)
- I** 258 x *Ficinia nodosa* (50%, 4/m<sup>2</sup> @0.5L)  
129 x *Juncus edgariae* (50%, 2/m<sup>2</sup> @0.5L)
- K** 228 x *Muehlenbeckia astonii* (2/m<sup>2</sup> @1L)

**WETLAND & STREAM PLANTING**

Enhancement planting as advised by Wildlands and to be confirmed by Council under condition 28 of BUN60325204 (plant grade revised in consultation with Wildlands). Setout to be confirmed on site with landscape architect.

- W1** 1150 x *Carex secta* (@0.5L)  
1540 x *Carex lessoniana* (@0.5L)  
1150 x *Carex virgata* (@0.5L)  
330 x *Cordyline australis* (@0.5L, plant in groups of 10-12)  
650 x *Cyperus ustulatus* (@0.5L)  
440 x *Phormium tenax* (@0.5L)
- W2** 320 x *Carex virgata*<sup>1</sup> (@0.5L)  
270 x *Coprosma robusta* (@0.5L)  
160 x *Cordyline australis*<sup>1</sup> (@0.5L)  
15 x *Dacrydium dacrydioides* (@1L)  
220 x *Kunzea robusta* (@0.5L)  
180 x *Leptospermum scoparium* (@0.5L)  
45 x *Meliccytus ramiflorus* (@0.5L)  
200 x *Phormium tenax* (@0.5L)  
80 x *Veronica stricta* (@0.5L)

<sup>1</sup>Plant on wetter margins of the wetland

--- Viewshaft

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE LANDSCAPING SHOWN ON THIS PLAN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, NATURAL HABITATS AND DEMPSEY WOOD CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG  
09.12.2021  
DATE

Drawn by: ALUM	Date: 12.20.21	Checked by: NRAE	Date: 03.12.21	Approved by: RJP	Date: 09.12.21
ASBUILT		REVISION DETAILS		RJP	09.12.21

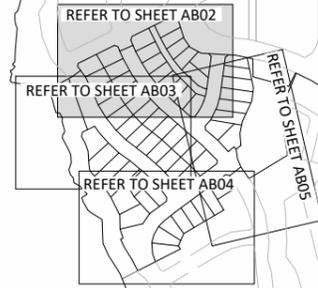
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Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**LANDSCAPING ASBUILT  
OVERALL PLAN**

ISSUE STATUS: **ASBUILT**  
SCALE: (A1/A3) **1:250 / 1:500**  
SCALE BAR: 0 5 10 15 20 25m  
DRAWING NUMBER: **1972-11-AB700** REV: **A**

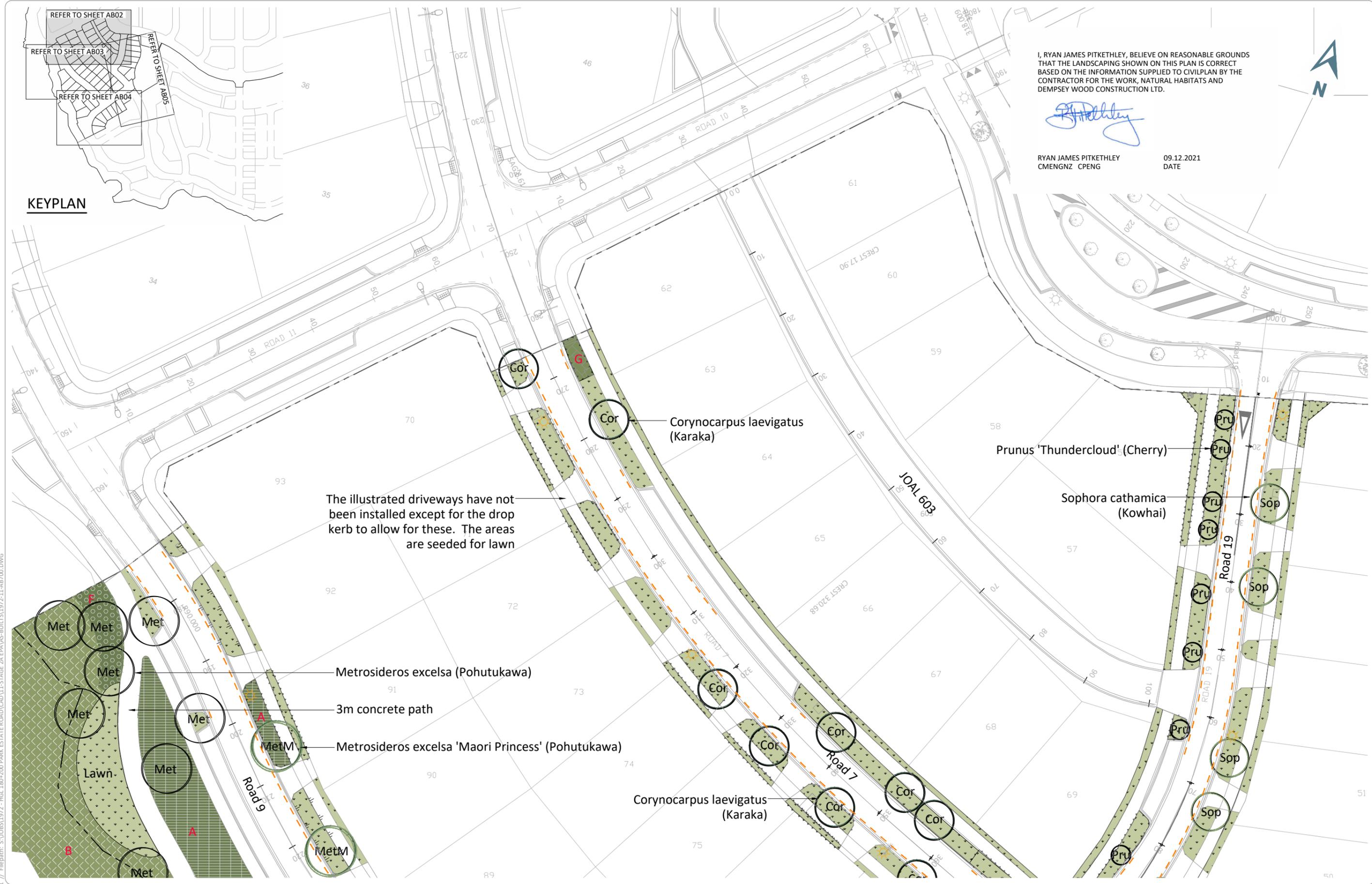


**KEYPLAN**

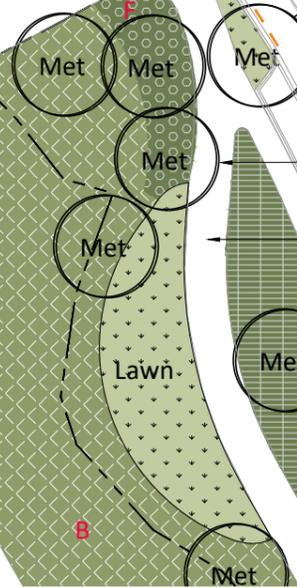
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RYAN JAMES PITKETHLEY  
CMENGNZ CPENG

09.12.2021  
DATE



The illustrated driveways have not been installed except for the drop kerb to allow for these. The areas are seeded for lawn



- Metrosideros excelsa (Pohutukawa)
- 3m concrete path
- Metrosideros excelsa 'Maori Princess' (Pohutukawa)

Corynocarpus laevigatus (Karaka)

Prunus 'Thundercloud' (Cherry)

Sophora cathamica (Kowhai)

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DATE:	12.2021
CHECKED:	03.12.21
APPROVED:	09.12.21
DATE:	09.12.21
BY:	RJP
DATE:	09.12.21

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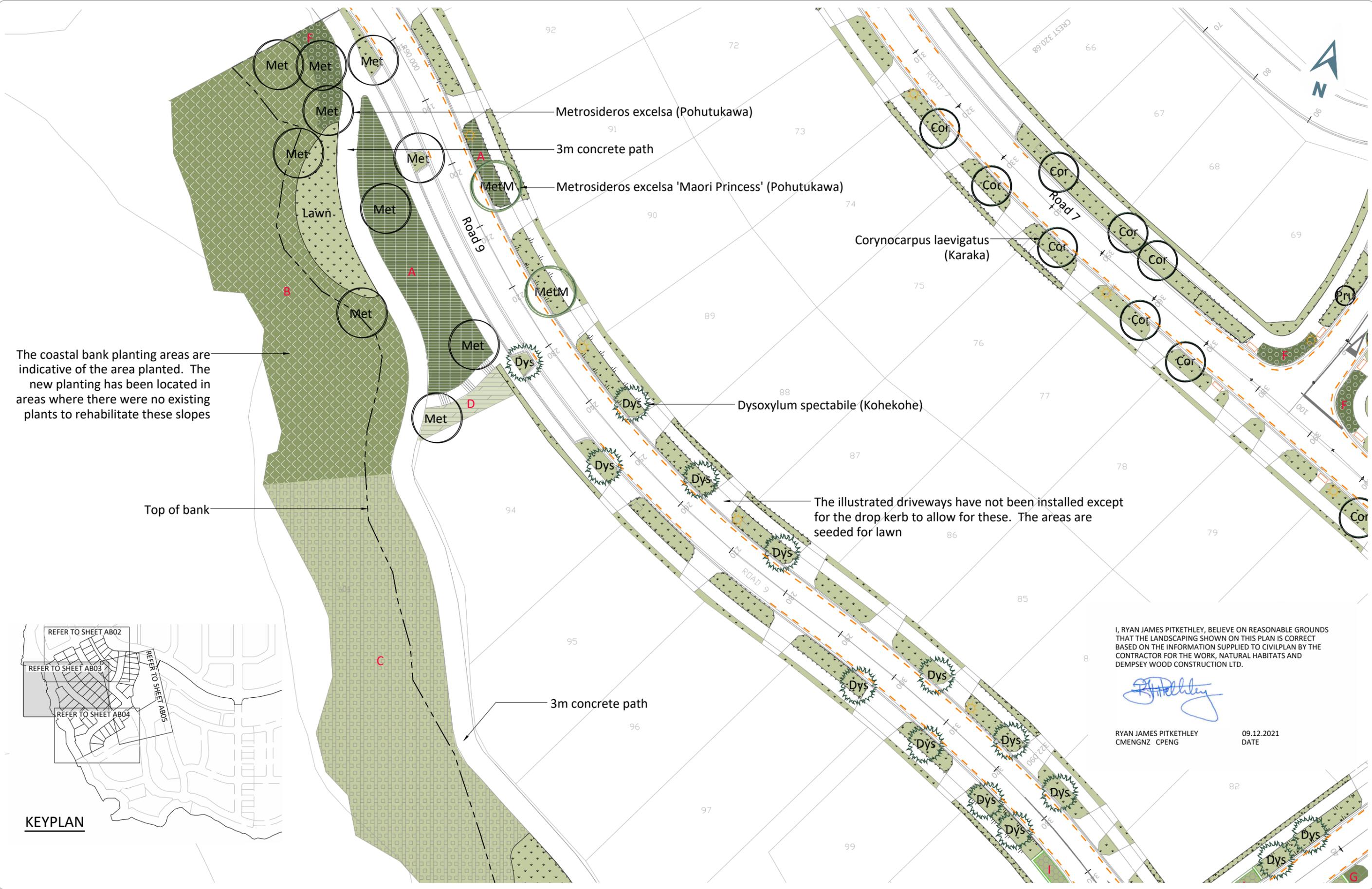
**CIVILPLAN CONSULTANTS**  
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**LANDSCAPING ASBUILT  
DETAIL SHEET 1**

ISSUE STATUS: **ASBUILT**  
SCALE: (A1/A3) 1:250 / 1:500  
SCALE BAR 0 5 10 15 20 25m  
DRAWING NUMBER: **1972-11-AB701** REV: **A**

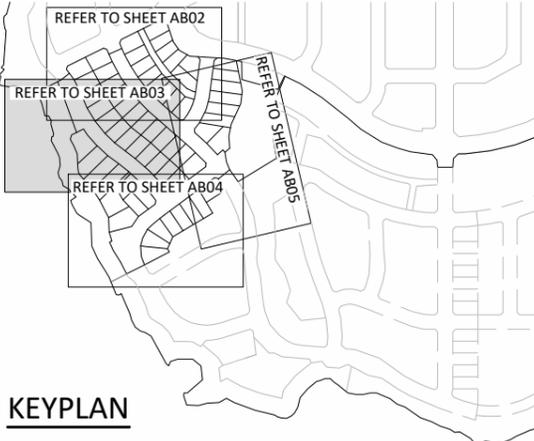
Printed by: RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE LANDSCAPING SHOWN ON THIS PLAN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, NATURAL HABITATS AND DEMPSEY WOOD CONSTRUCTION LTD. 09.12.2021 DATE



The coastal bank planting areas are indicative of the area planted. The new planting has been located in areas where there were no existing plants to rehabilitate these slopes

Top of bank

The illustrated driveways have not been installed except for the drop kerb to allow for these. The areas are seeded for lawn



I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE LANDSCAPING SHOWN ON THIS PLAN IS CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, NATURAL HABITATS AND DEMPSEY WOOD CONSTRUCTION LTD.

*[Signature]*

RYAN JAMES PITKETHLEY CMENGNZ CPENG 09.12.2021 DATE

DATE:	12.20.21
CHECKED:	NRAE 03.12.21
APPROVED:	RJP 09.12.21
ASBUILT	RJP 09.12.21
REVISION DETAILS	BY DATE

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PROJECT TITLE: HUGH GREEN LIMITED STAGE 2A PARK ESTATE ROAD HINGAIA - ENG60369380

SHEET TITLE: LANDSCAPING ASBUILT DETAIL SHEET 2

ISSUE STATUS: ASBUILT  
SCALE: (A1/A3) 1:250 / 1:500  
SCALE BAR 0 5 10 15 20 25m  
DRAWING NUMBER: 1972-11-AB702 REV: A

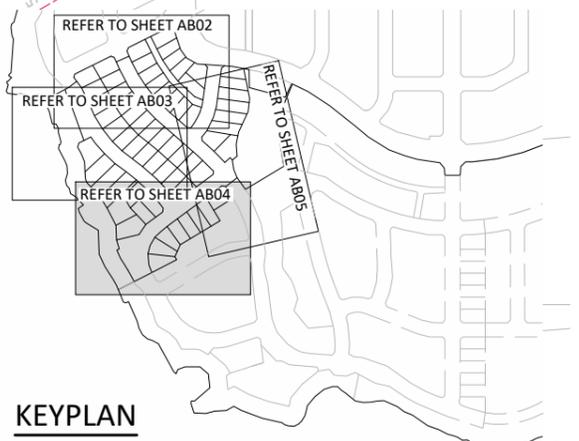


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*[Signature]*

RYAN JAMES PITKETHLEY  
CMENGNZ CPENG  
09.12.2021 DATE

The illustrated driveways have not been installed except for the drop kerb to allow for these. The areas are seeded for lawn



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DATE	12.2021	DATE	09.12.21
CHECKED	NRAE	DATE	03.12.21
APPROVED	RJP	DATE	09.12.21
BY	RJP	DATE	09.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**LANDSCAPING ASBUILT  
DETAIL SHEET 3**

ISSUE STATUS: **ASBUILT**  
SCALE: (A1/A3) **1:250 / 1:500**  
SCALE BAR: 0 5 10 15 20 25m  
DRAWING NUMBER: **1972-11-AB703** REV: **A**



Planted in Stage 1B

Metrosideros excelsa (Pohutukawa)

W1 Wetland

Bench

Bench  
Dacrydium dacrydioides (Kahikatea)

Low growing species within viewshafts

Sophora cathamica  
Prunus 'Thundercloud'

Raingarden

The illustrated driveways have not been installed except for the drop kerb to allow for these. The areas are seeded for lawn

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RYAN JAMES PITKETHLEY  
CMENGNZ CPENG  
09.12.2021  
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NO.	REVISION	DATE
A	ASBUILT	09.12.21
REV	REVISION DETAILS	DATE

DRAWN:	ALUM	DATE:	12.2021
CHECKED:	NRAE	DATE:	03.12.21
APPROVED:	RJP	DATE:	09.12.21

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PROJECT TITLE:  
**HUGH GREEN LIMITED  
STAGE 2A PARK ESTATE ROAD  
HINGAIA - ENG60369380**

SHEET TITLE:  
**LANDSCAPING ASBUILT  
DETAIL SHEET 4**

ISSUE STATUS: **ASBUILT**

SCALE: (A1/A3) **1:250 / 1:500**

SCALE BAR: 0 5 10 15 20 25m

DRAWING NUMBER: **1972-11-AB704** REV: **A**