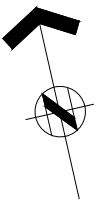


AUCKLAND OFFICE
LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisongrierson.com

147692-17-AB200	B
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ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.

NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- EARTHWORKS VOLUMES :
AREA = 5,541.5m²
CUT VOLUME (UNADJUSTED) = 426m³
FILL VOLUME (UNADJUSTED) = 143m³
NET (UNADJUSTED) = -284m³
- SURVEY INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

 CUT CONTOURS SHOWN AT 0.5m INTERVALS

 FILL CONTOURS SHOWN AT 0.5m INTERVALS


 EARTHWORKS BOUNDARY

 STAGE BOUNDARY

ENGINEERING APPROVAL
ENG-60370829



HUGH GREEN
LIMITED



AUCKLAND OFFICE
LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisongrierson.com

B	AS-BUILT (PALISADE WALL)	WXX	01.12.21
A	AS-BUILT	WXX	30.11.21
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

LOT 801
EARTHWORKS CUT-FILL
AS-BUILT PLAN

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
KKA	19.11.21		KKA
DRAWN:	DATE:	SIGNED:	PLOT DATE:
KKA	19.11.21		19.11.21
CHECKED:	DATE:	SIGNED:	SURVEY BY:
WXX	25.11.21		DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	26.11.21		11.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	
1050-147692-01	1:500-A1 1:1000-A3	A1
DRAWING No:		REV
147692-17-AB220		B





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NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- SURVEY INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

- EARTHWORKS BOUNDARY
- STAGE BOUNDARY
- (55.0) CONTOUR MAJOR AT 0.2m INTERVALS
- (55.5) CONTOUR MINOR AT 0.2m INTERVALS
- EXISTING CONTOURS

ENGINEERING APPROVAL
ENG-60370829



HUGH GREEN
LIMITED



AUCKLAND OFFICE
LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisongrierson.com

A	AS-BUILT	WJK	17.01.22
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

LOT 800
FINISHED CONTOURS
AS-BUILT PLAN

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
KKA	19.11.21		KKA
DRAWN:	DATE:	SIGNED:	PLOT DATE:
WJK	17.01.22		19.11.21
CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS	19.01.22		DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	19.01.22		11.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1050-147692-01	1:500-A1 1:1000-A3	
DRAWING No:		REV
147692-17-AB201		A





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NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- EARTHWORKS VOLUMES :
AREA = 1,379m²
CUT VOLUME (UNADJUSTED) = 51m³
FILL VOLUME (UNADJUSTED) = 120m³
NET (UNADJUSTED) = 70m³ FILL
- SURVEY INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

 CUT CONTOURS SHOWN AT 0.2m INTERVALS

 FILL CONTOURS SHOWN AT 0.2m INTERVALS

 EARTHWORKS BOUNDARY

 STAGE BOUNDARY

ENGINEERING APPROVAL
ENG-60370829



HUGH GREEN
LIMITED



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LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisongrierson.com

A	AS-BUILT	WJK	17.01.22
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

LOT 800
EARTHWORKS CUT-FILL
AS-BUILT PLAN

ORIGINATOR: KKA	DATE: 19.11.21	SIGNED:	PLOT BY: KKA
DRAWN: WJK	DATE: 17.01.22	SIGNED:	PLOT DATE: 19.11.21
CHECKED: DAS	DATE: 19.01.22	SIGNED:	SURVEY BY: DEMPSEY WOOD
APPROVED: DAS	DATE: 19.01.22	SIGNED:	SURVEY DATE: 11.2021

ISSUE STATUS:


AS-BUILT

PROJECT No: 1050-147692-01	SCALES: 1:500-A1 1:1000-A3	A1
DRAWING No:		REV

147692-17-AB221

A





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NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- AS-BUILT INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

- STAGE BOUNDARY
- NO STOPPING LINEWORK
- NO PASSING LINEWORK
- NEW ROAD SIGN
- NEW STREETLIGHT
- NEW SPEED HUMP (TC003)
- NEW PRAM CROSSING

ENGINEERING APPROVAL
ENG-60370829

I CERTIFY THAT THESE ASBUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
- THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN ±25mm.


Signed: 
CHARTERED PROFESSIONAL ENGINEER

Date: 20/01/2022

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisonsgrinson.com



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LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisonsgrinson.com

A	AS-BUILT	WKK	10.12.21
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
2 DRUMBUOY DRIVE, FLAT BUSH

TITLE:

LOT 800
OVERALL ROADING
AS-BUILT PLAN

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
WKK	09.2021		WKK

DRAWN:	DATE:	SIGNED:	PLOT DATE:
KMS	03.12.21		24.01.22

CHECKED:	DATE:	SIGNED:	SURVEY BY:
WKK	10.12.21		DEMPSEY WOOD

APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	20.01.22		08.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1050-146689-01	1:500-A1 1:1000-A3	


DRAWING No:

147692-17-AB300

REV

A





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ENGINEERS NEW ZEALAND

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NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- ALL CONNECTIONS ARE DN 100 uPVC. CHAINAGE FOR CONNECTIONS ARE FROM DOWNSTREAM MANHOLE CENTRE.
- ALL STORMWATER LINES ARE RCRRJ CLASS 2 UNLESS SHOWN OTHERWISE.
- ALL CATCHPIT LEADS ARE RCRRJ CLASS 4.
- ALL NEW MANHOLES ARE DN 1050 RC UNLESS SHOWN OTHERWISE.
- SURVEY INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.


LEGEND:

- SW NEW PUBLIC STORMWATER
- NEW PUBLIC/ PRIVATE CATCHPIT
- NEW LOT CONNECTION
- EXISTING LOT CONNECTION
- SW EXISTING SW LINE, MH AND CP
- NEW PUBLIC/ PRIVATE RAINGARDEN
- EXISTING RAINGARDEN
- NEW PRIVATE CONNECTION
- STAGE BOUNDARY

ENGINEERING APPROVAL
ENG-60370829

I CERTIFY THAT THESE ASBUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
- THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN ±25mm.


Signed: 
REGISTERED CHARTERED ENGINEER

Date: 21/12/2021

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisongrierson.com



AUCKLAND OFFICE
LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisongrierson.com

A	AS-BUILT	WKK	05.11.21
REF	REVISIONS	BY	DATE

PROJECT:

**HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH**

TITLE:

**LOT 800
STORMWATER AS-BUILT PLAN**

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
WKK	25.06.21		WKK
DRAWN:	DATE:	SIGNED:	PLOT DATE:
WKK	25.06.21		19.01.22
CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS	19.11.21		DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	21.12.21		06.2021

ISSUE STATUS:


AS-BUILT

PROJECT No:	SCALES:	A1
1050-147692-01	1:500-A1 1:1000-A3	
DRAWING No:		REV
147692-17-AB400		A

CONTINUED ON DRG 147692-17-AB401



CONTINUED ON DRG 147692-17-AB400



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NOTES:

1. ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m

2. ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE

3. ALL CONNECTIONS ARE DN 100 uPVC. CHAINAGE FOR CONNECTIONS ARE FROM DOWNSTREAM MANHOLE CENTRE.

4. ALL STORMWATER LINES ARE RCRRJ CLASS 2 UNLESS SHOWN OTHERWISE.

5. ALL CATCHPIT LEADS ARE RCRRJ CLASS 4.

6. ALL NEW MANHOLES ARE DN 1050 RC UNLESS SHOWN OTHERWISE.

7. SURVEY INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

SW

NEW PUBLIC STORMWATER

NEW PUBLIC/ PRIVATE CATCHPIT

NEW LOT CONNECTION

EXISTING LOT CONNECTION

SW

EXISTING SW LINE, MH AND CP

NEW PUBLIC/ PRIVATE RAINGARDEN

EXISTING RAINGARDEN


NEW PRIVATE CONNECTION

STAGE BOUNDARY

ENGINEERING APPROVAL
ENG-60370829

I CERTIFY THAT THESE ASBUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
- THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN ±25mm.

Signed: 

REGISTERED CHARTERED ENGINEER

Date: 21/12/2021

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisongrierson.com

HC

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LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisongrierson.com

B	AS-BUILT	WKK	14.01.22
A	AS-BUILT	WKK	05.11.21
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

LOT 801
STORMWATER AS-BUILT PLAN

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
WKK	25.06.21		WKK
DRAWN:	DATE:	SIGNED:	PLOT DATE:
WKK	25.06.21		19.01.22
CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS	19.11.21		DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	19.11.21		06.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1050-147692-01	1:500-A1 1:1000-A3	
DRAWING No:		REV
147692-17-AB401		B



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NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- ALL CONNECTIONS ARE DN 100 uPVC. CHAINAGE FOR CONNECTIONS ARE FROM DOWNSTREAM MANHOLE CENTRE.
- ALL STORMWATER LINES ARE RCRRJ CLASS 2 UNLESS SHOWN OTHERWISE.
- ALL CATCHPIT LEADS ARE RCRRJ CLASS 4.
- ALL NEW MANHOLES ARE DN 1050 RC UNLESS SHOWN OTHERWISE.
- SURVEY INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

- SW

NEW PUBLIC STORMWATER
- NEW PUBLIC/ PRIVATE CATCHPIT
- NEW LOT CONNECTION
- EXISTING LOT CONNECTION
- SW

EXISTING SW LINE, MH AND CP
- NEW PUBLIC/ PRIVATE RAINGARDEN
- EXISTING RAINGARDEN
- NEW PRIVATE CONNECTION
- STAGE BOUNDARY

ENGINEERING APPROVAL
ENG-60370829

I CERTIFY THAT THESE ASBUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:
• THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
• THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN ±25mm.

Signed:
REGISTERED CHARTERED ENGINEER

Date: 21/12/2021
Name: DANIEL ALEXANDER HOWARD SCOTT
Phone: 09-917-5000
Email: d.scott@harrisongrierson.com

HG AUCKLAND OFFICE
LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisongrierson.com

B	AS-BUILT	WXX	14.01.22
A	AS-BUILT	WXX	05.11.21
REF	REVISIONS	BY	DATE

PROJECT:
**HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH**

TITLE:
**LOT 801
STORMWATER AS-BUILT PLAN
DETAILS**

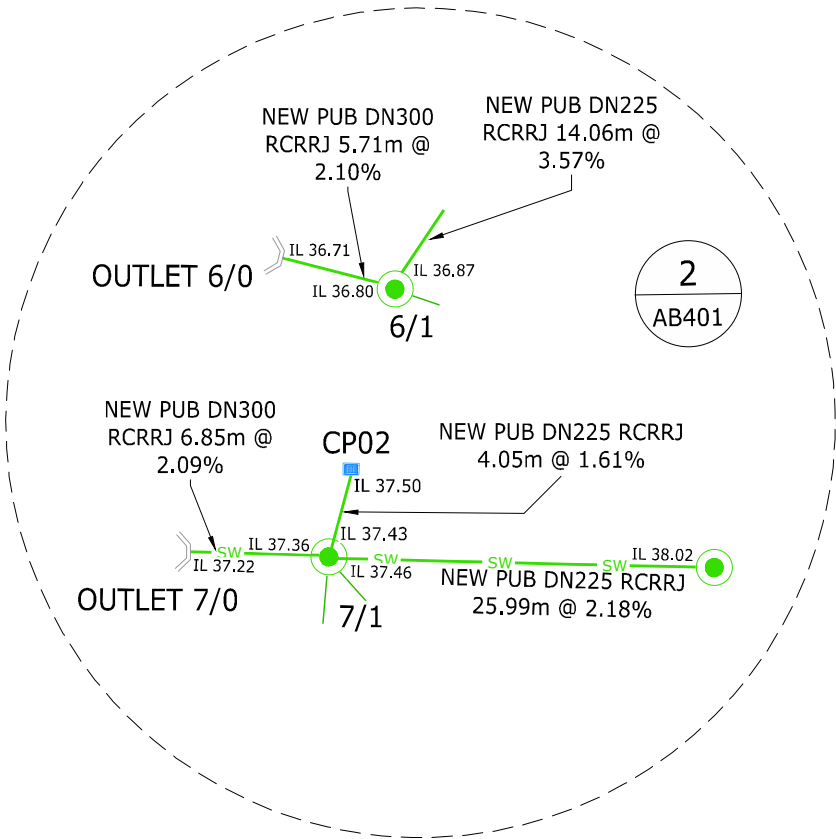
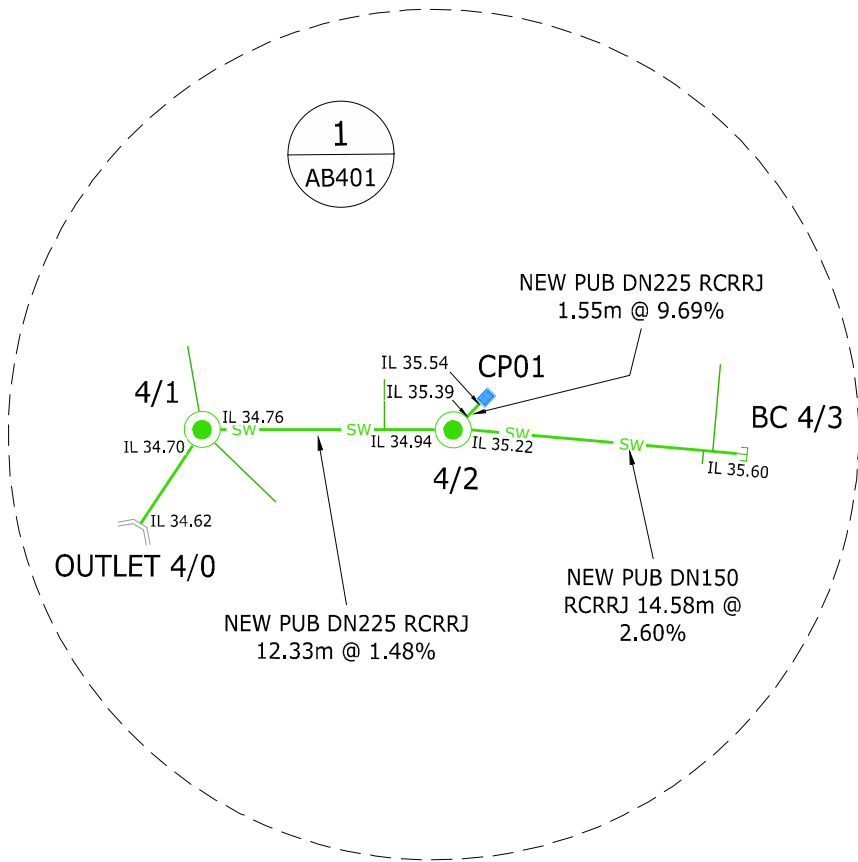
ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
WXX	25.06.21		WXX
DRAWN:	DATE:	SIGNED:	PLOT DATE:
WXX	25.06.21		14.01.22
CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS	19.11.21		DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	19.11.21		06.2021

ISSUE STATUS:
AS-BUILT


PROJECT No:	SCALES:	NOT TO SCALE	A1
DRAWING No:			REV

147692-17-AB402

B



COORDINATE SCHEDULE			
MH No.	mE	mN	LL
1/1	1770515.50	5905743.24	36.44
1/2	1770521.90	5905769.60	38.10
2/1	1770548.47	5905877.92	35.28
2/2	1770537.90	5905833.33	36.52
2/3	1770526.77	5905788.26	37.13
3/1	1770556.51	5905908.51	35.15
3/2	1770574.09	5905980.41	37.39
4/1	1770816.09	5905973.41	35.98
4/2	1770829.06	5905970.37	36.80
BC 4/3	1770843.43	5905965.72	-
5/1	1770884.87	5905960.37	38.05
5/2	1770855.50	5905967.44	39.19
6/1	1770918.73	5905947.37	38.22
6/2	1770928.43	5905958.94	38.57
7/1	1770911.70	5905931.29	38.20
7/2	1770937.78	5905924.43	39.58
CP01 (PRIVATE)	1770830.85	5905971.46	36.69
CP02 (PRIVATE)	1770913.86	5905935.28	38.49
OUTLET 1/0	1770519.39	5905741.71	35.39
OUTLET 2/0	1770555.25	5905880.38	33.87
OUTLET 3/0	1770562.53	5905905.78	33.16
OUTLET 4/0	1770811.78	5905969.31	34.62
OUTLET 5/0	1770896.68	5905954.58	36.59
OUTLET 6/0	1770913.31	5905950.34	36.71
OUTLET 7/0	1770904.62	5905933.21	37.22



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ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

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NOTES:

1. ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m

2. ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE

3. AS-BUILT INFORMATION PROVIDED BY DEMPSEY
WOOD CIVIL LTD AND TO THE BEST OF OUR
KNOWLEDGE IS ACCURATE.

ENGINEERING APPROVAL
ENG-60370829

I CERTIFY THAT THESE ASBUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
- THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN ±25mm.

Signed: 

REGISTERED CHARTERED ENGINEER

Date: 21/12/2021

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisongrierson.com



AUCKLAND OFFICE
LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisongrierson.com

B	AS-BUILT	WKK	14.01.22
A	AS-BUILT	WKK	05.11.21
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

LOT 800 & 801
OVERALL COORDINATE SCHEDULE

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
WKK	25.06.21		WKK
DRAWN:	DATE:	SIGNED:	PLOT DATE:
WKK	25.06.21		14.01.22
CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS	19.11.21		DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	19.11.21		06.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:		A1
1050-147692-01	NOT TO SCALE		
DRAWING No:			REV
147692-17-AB403			B





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
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NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- AS-BUILT INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

- STAGE BOUNDARY
- NEW TELECOMMUNICATIONS (26WAY RIBBONET)
- NEW TELECOMMUNICATIONS (12WAY RIBBONET)
- NEW TELECOMMUNICATIONS (4 WAY MICRONET DUCT)
- NEW TELECOMMUNICATIONS (1 WAY MICRONET DUCT)
- EXISTING TELECOMMUNICATION
- NEW TELECOM PLINTH & CONN
- NEW TELECOMS BOX

ENGINEERING APPROVAL
ENG-60370829

I CERTIFY THAT THESE ASBUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
- THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN ±25mm.

Signed: 
CHARTERED PROFESSIONAL ENGINEER

Date: 22/12/2021

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisingrierson.com



AUCKLAND OFFICE
LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
T +64 9 917 5000
W www.harrisingrierson.com

REF	REVISIONS	BY	DATE
B	TELECOMS AS-BUILT DRAFT	WKK	19.11.21
A	TELECOMS AS-BUILT DRAFT	WKK	12.11.21

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

STAGE 17 - LOT 800
TELECOMMUNICATION SERVICES
AS-BUILT PLAN

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
WKK	21.07.21		WKK

DRAWN:	DATE:	SIGNED:	PLOT DATE:
WKK	21.07.21		24.01.22

CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS	19.11.21		DEMPSEY WOOD

APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	19.11.21		08.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1050-147692-01	1:500-A1 1:1000-A3	

DRAWING No:

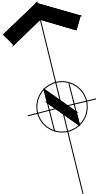
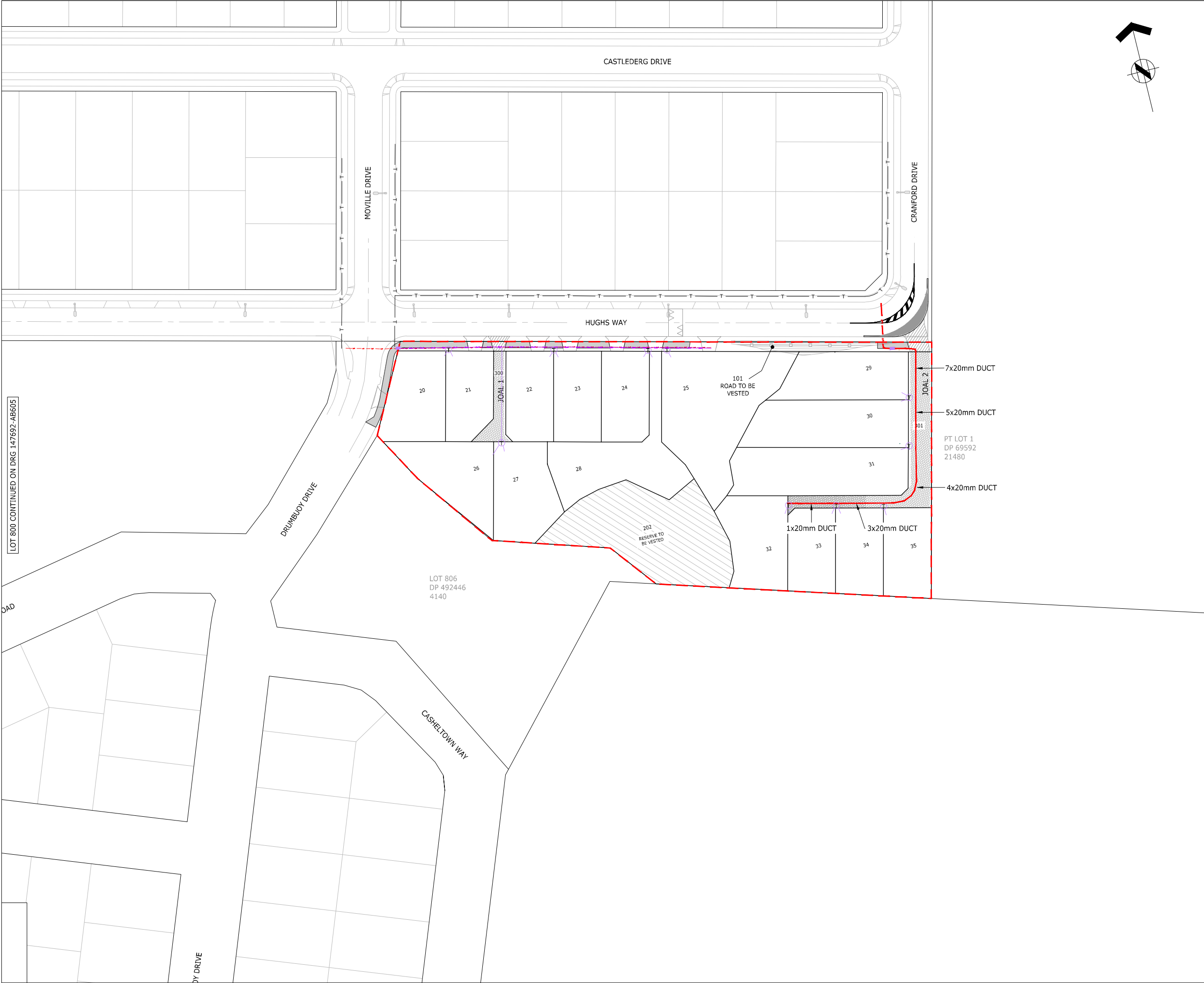
147692-17-AB605


REV

B

LOT 805
DP 492446
34020

LOT 801 CONTINUED ON DRG 147692-AB606





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
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NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- AS-BUILT INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

STAGE BOUNDARY

NEW TELECOMMUNICATIONS
(26WAY RIBBONET)

NEW TELECOMMUNICATIONS
(12WAY RIBBONET)

NEW TELECOMMUNICATIONS
(4 WAY MICRONET DUCT)

NEW TELECOMMUNICATIONS
(1 WAY MICRONET DUCT)

EXISTING TELECOMMUNICATION

⊕

NEW TELECOM PLINTH & CONN


■

NEW TELECOMS BOX

ENGINEERING APPROVAL
ENG-60370829

I CERTIFY THAT THESE ASBUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
- THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN ±25mm.


Signed: 
CHARTERED PROFESSIONAL ENGINEER

Date: 22/12/2021

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisongrierson.com



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LEVEL 4, 96 ST GEORGES BAY ROAD
PARNELL AUCKLAND 1052
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W www.harrisongrierson.com

B	TELECOMS AS-BUILT DRAFT	WXX	19.11.21
A	TELECOMS AS-BUILT DRAFT	WXX	12.11.21
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

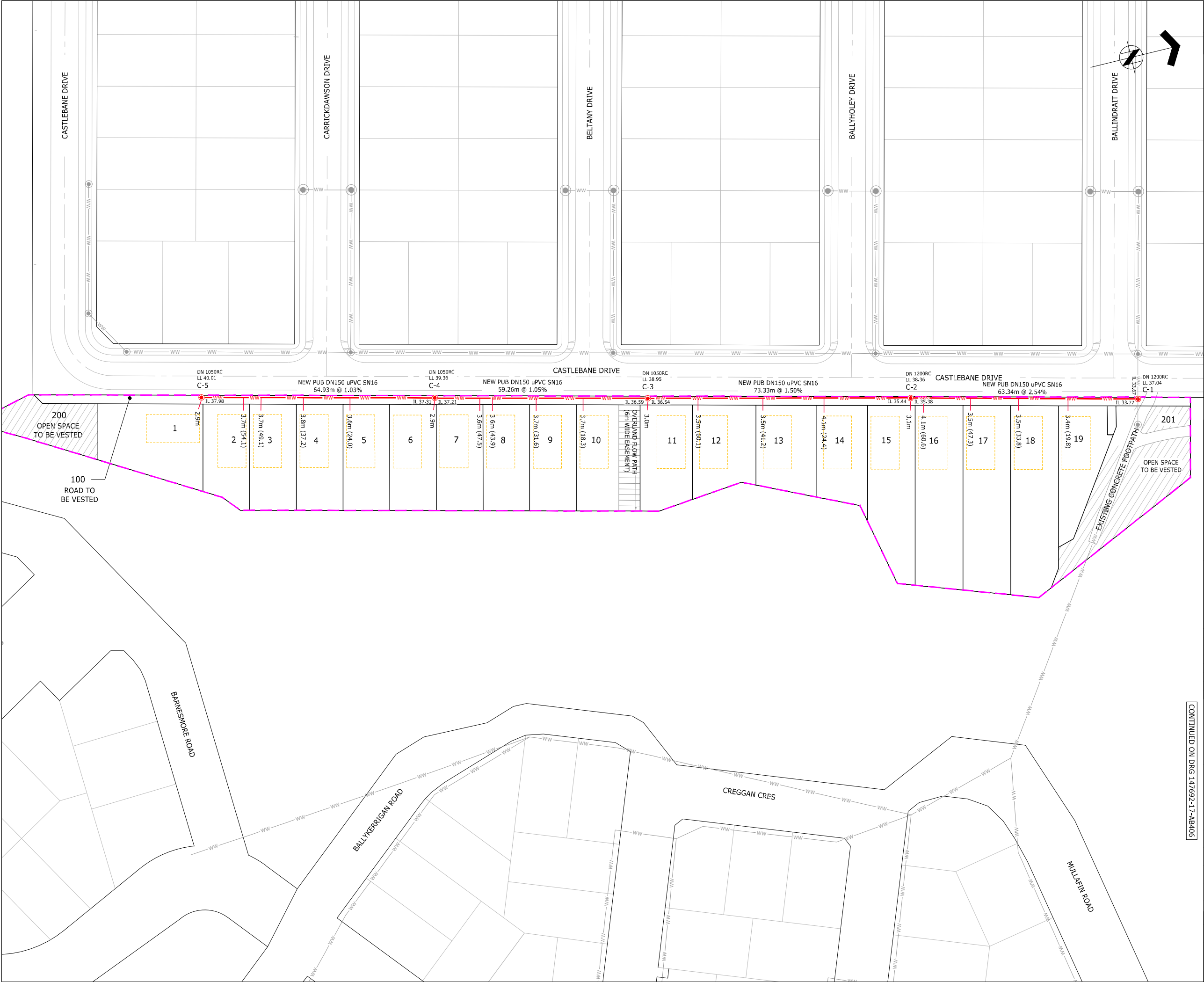
STAGE 17 - LOT 801
TELECOMMUNICATION SERVICES
AS-BUILT PLAN


ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
WXX	21.07.21		WXX
DRAWN:	DATE:	SIGNED:	PLOT DATE:
WXX	21.07.21		24.01.22
CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS			DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS			08.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1050-147692-01	1:500-A1 1:1000-A3	
DRAWING No:		REV
147692-17-AB606		B





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NOTES:

- ORIGIN OF LEVELS
S 66 SO 48643
RL 54.50m
- ORIGIN OF COORDINATES
S 66 SO 48643
5905356.71mN
1770941.22mE
- ALL CONNECTIONS ARE DN 100 uPVC. CHAINAGE FOR CONNECTIONS ARE FROM DOWNSTREAM MANHOLE CENTRE.
- ALL WASTEWATER LINES ARE PVC-U SN16 UNLESS SHOWN OTHERWISE.
- ALL NEW MANHOLES ARE DN 1050 RC UNLESS SHOWN OTHERWISE.
- SURVEY INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

- STAGE BOUNDARY
- NEW PUBLIC WASTEWATER LINE
- EXISTING PUBLIC WASTEWATER LINE
- NEW LOT CONNECTION
- NEW PUBLIC MANHOLE
- EXISTING PUBLIC MANHOLE

ENGINEERING APPROVAL
ENG-60370829

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- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
- THE LEVELS (Z) ARE IN TERMS OF THE AUCKLAND 1946 (MSL) LINZ DATUM (DOSLI DATUM), AND ARE WITHIN ±25mm.


Signed:
CHARTERED PROFESSIONAL ENGINEER

Date: 26/11/2021

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisingrierson.com



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W www.harrisingrierson.com

A	AS-BUILT	WKK	05.11.21
REF	REVISIONS	BY	DATE

PROJECT:

**HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH**

TITLE:

**LOT 800
WASTEWATER AS-BUILT PLAN**

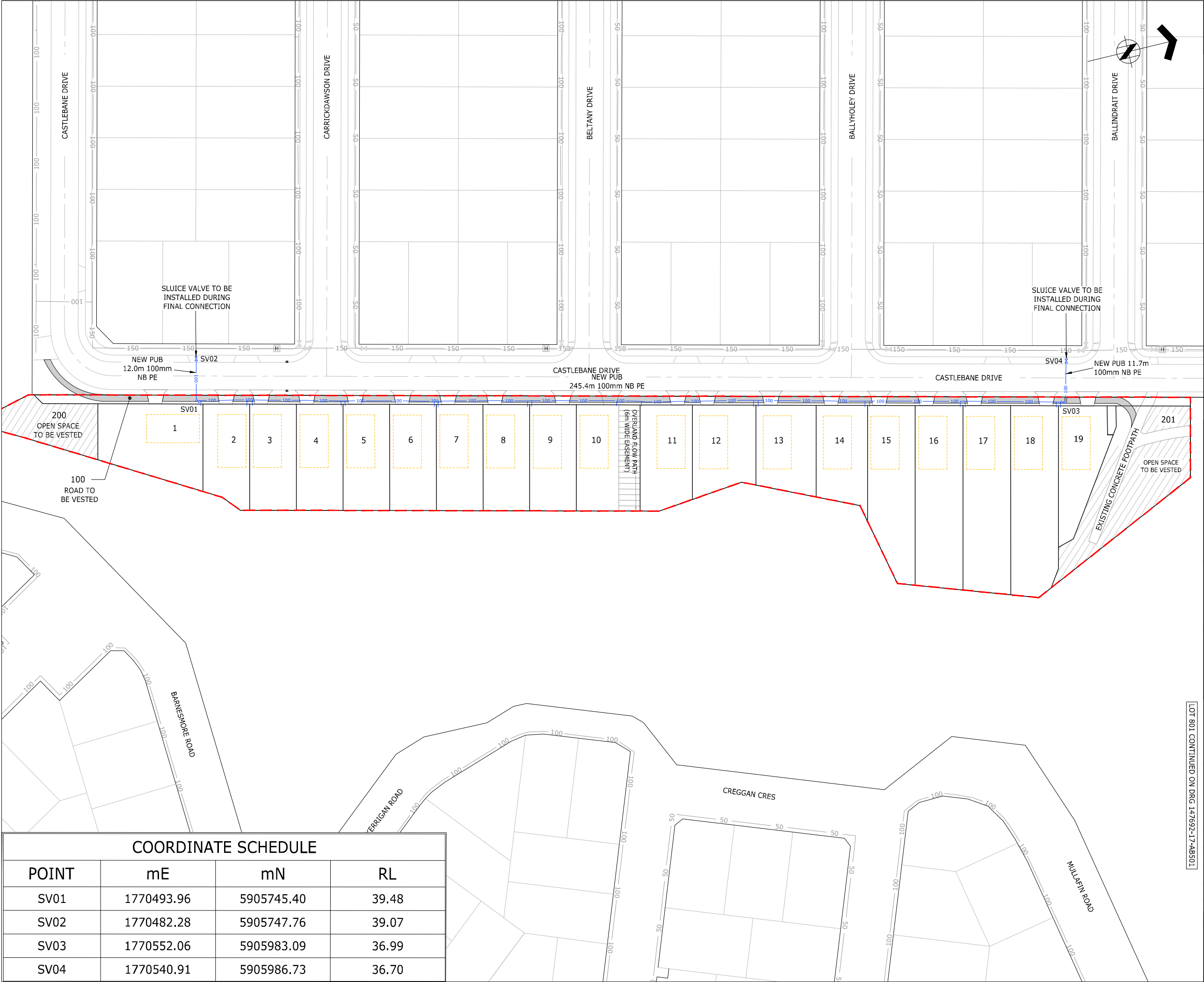
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WKK	22.07.21		WKK
DRAWN:	DATE:	SIGNED:	PLOT DATE:
WKK	22.07.21		27.01.22
CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS	22.11.21		DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	22.11.21		06.2021


ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1050-147692-01	1:500-A1 1:1000-A3	
DRAWING No:		REV
147692-17-AB405		A

CONTINUED ON DRG 147692-17-AB406





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NOTES:

- ALL LOT CONNECTIONS ARE DN25
- NB 100-150mmØ NB PE, AS/NZS 1477:1999 SERIES 11 PN12 COLOURED BLUE
- AS-BUILT INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

—

STAGE BOUNDARIES

— 150 — 150 —

NEW PUBLIC 150 NB PE WATERMAIN

— 100 — 100 —

NEW PUBLIC 100 NB PE WATERMAIN

—

NEW PRIVATE WATER LOT CONNECTIONS

⊗

NEW PUBLIC SLUICE VALVE

○

NEW PUBLIC PEET VALVE

∇

NEW PUBLIC BLANK CAP

□

NEW WATER METER BANK

— 150 — 150 —

EXISTING PUBLIC WATERMAIN

⊗

EXISTING SLUICE VALVE

⊞

NEW PUBLIC FIRE HYDRANT

ENGINEERING APPROVAL
ENG-60370829

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- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD (2000), AND ARE WITHIN ±50mm.
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Signed:
CHARTERED PROFESSIONAL ENGINEER

Date: 26/11/2021

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisongrierson.com



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W www.harrisongrierson.com

A	AS-BUILT	WKK	26.11.21
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

LOT 800
WATERMAIN AS-BUILT PLAN

ORIGINATOR:

DATE:

WKK

21.07.21

SIGNED:

PLOT BY:

WKK

DRAWN:

DATE:

WKK

21.07.21

SIGNED:

PLOT DATE:

29.11.21

CHECKED:

DATE:

DAS

22.11.21

SIGNED:

SURVEY BY:

DEMPSEY WOOD

APPROVED:

DATE:

DAS

22.11.21

SIGNED:

SURVEY DATE:

07.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:

1050-147692-01

SCALES:

1:500-A1
1:1000-A3

A1

REV

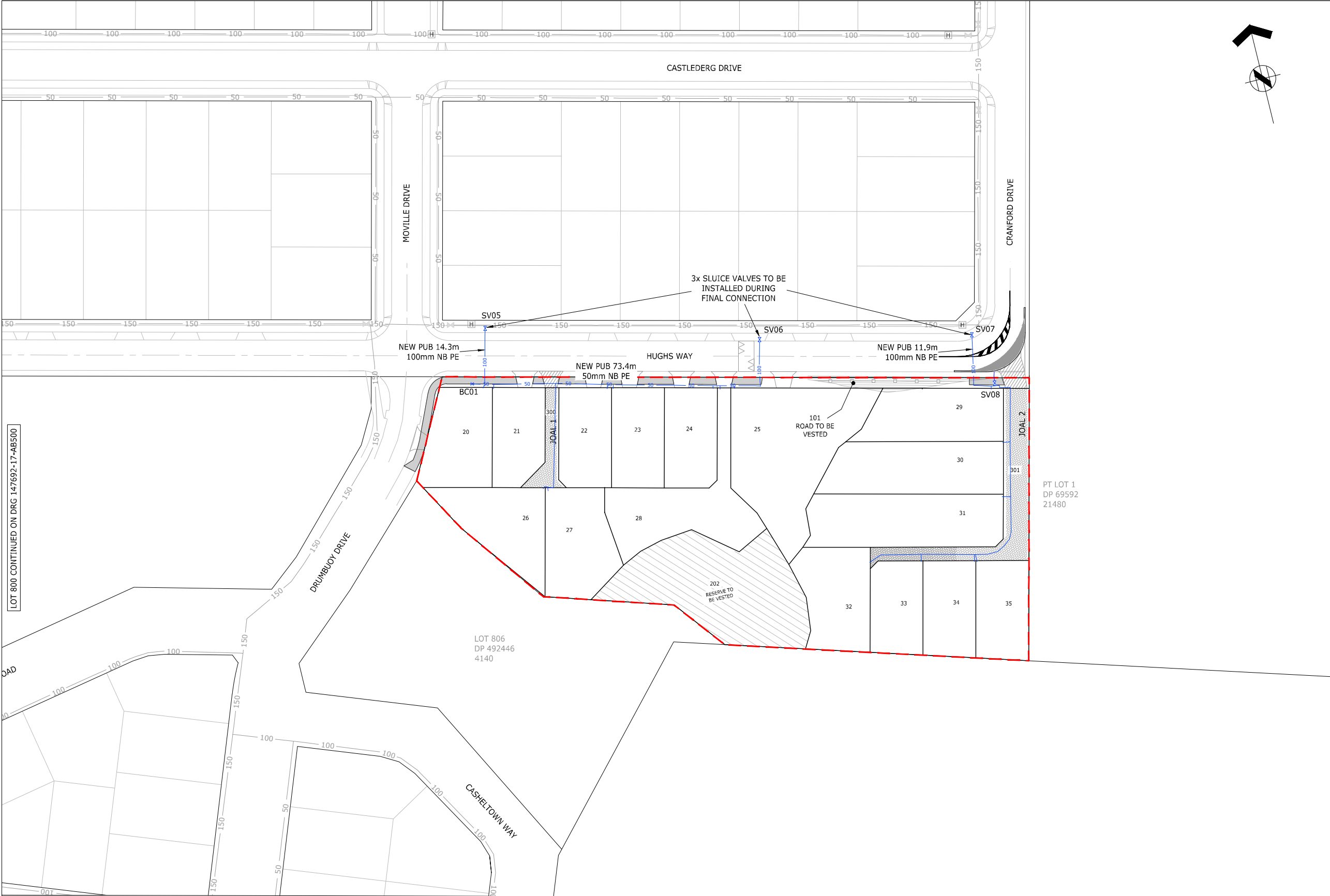
147692-17-AB500

A

COORDINATE SCHEDULE


POINT	mE	mN	RL
SV01	1770493.96	5905745.40	39.48
SV02	1770482.28	5905747.76	39.07
SV03	1770552.06	5905983.09	36.99
SV04	1770540.91	5905986.73	36.70

LOT 801 CONTINUED ON DRG 147692-17-AB501



LOT 800 CONTINUED ON DRG 147692-17-AB500

COORDINATE SCHEDULE			
POINT	mE	mN	RL
SV05	1770831.05	5906013.19	36.17
SV06	1770898.56	5905993.86	37.92
SV07	1770951.62	5905982.20	39.68
SV08	1770954.28	5905968.19	40.69
BC01	1770824.86	5906000.05	36.11



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NOTES:

- ALL LOT CONNECTIONS ARE DN25
- NB 100-150mmØ NB PE, AS/NZS 1477:1999 SERIES 11 PN12 COLOURED BLUE
- AS-BUILT INFORMATION PROVIDED BY DEMPSEY WOOD CIVIL LTD AND TO THE BEST OF OUR KNOWLEDGE IS ACCURATE.

LEGEND:

STAGE BOUNDARIES

NEW PUBLIC 150 NB PE WATERMAIN

NEW PUBLIC 100 NB PE WATERMAIN

NEW PRIVATE WATER LOT CONNECTIONS

NEW PUBLIC SLUICE VALVE

NEW PUBLIC PEET VALVE

NEW PUBLIC BLANK CAP

NEW WATER METER BANK

EXISTING PUBLIC WATERMAIN

EXISTING SLUICE VALVE

NEW PUBLIC FIRE HYDRANT

ENGINEERING APPROVAL
ENG-60370829

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Signed:
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Date: 26/11/2021

Name: DANIEL ALEXANDER HOWARD SCOTT

Phone: 09-917-5000

Email: d.scott@harrisonsgrierson.com



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A	AS-BUILT	WKK	26.11.21
REF	REVISIONS	BY	DATE

PROJECT:

HUGH GREEN LIMITED
DONEGAL STAGE 17
CASTLEBANE DRIVE, FLAT BUSH

TITLE:

LOT 801
WATERMAIN AS-BUILT PLAN

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
WKK	21.07.21		WKK
DRAWN:	DATE:	SIGNED:	PLOT DATE:
WKK	21.07.21		29.11.21
CHECKED:	DATE:	SIGNED:	SURVEY BY:
DAS	22.11.21		DEMPSEY WOOD
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
DAS	22.11.21		07.2021

ISSUE STATUS:

AS-BUILT

PROJECT No:	SCALES:	A1
1050-147692-01	1:500-A1 1:1000-A3	
DRAWING No:		REV
147692-17-AB501		A