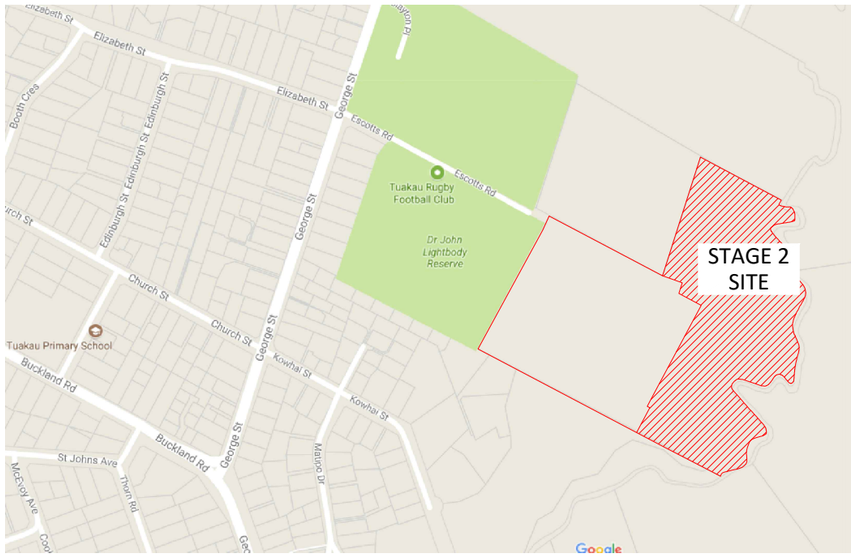
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU
PROJECT NUMBER: 2011-02

STAGE 2 - ASBUILT ISSUE
MARCH 2020

CIVILPLAN CONSULTANTS

Sheet List Table	
Sheet Number	Sheet Title
2011-02-AB000	COVER SHEET
200-Earthworks	
2011-02-AB205	UNDERFILL DRAINS ASBUILT PLAN
2011-02-AB200	FINISHED CONTOURS ASBUILT PLAN
2011-02-AB220	ISOPACH ASBUILT PLAN-SHEET 1
2011-02-AB225	ISOPACH ASBUILT PLAN-SHEET 2
2011-02-AB290	SLOPE ANALYSIS ASBUILT PLAN-SHEET 1
2011-02-AB291	SLOPE ANALYSIS ASBUILT PLAN-SHEET 2
300-Roading	
2011-02-AB300	ROADING ASBUILT-PAVEMENT PLAN-SHEET 1
2011-02-AB301	ROADING ASBUILT-PAVEMENT PLAN-SHEET 2
2011-02-AB302	ROADING ASBUILT-FEATURES PLAN-SHEET 1
2011-02-AB303	ROADING ASBUILT-FEATURES PLAN-SHEET 2
400-Drainage	
2011-02-AB400	STORMWATER ASBUILT-OVERALL LAYOUT
2011-02-AB401	STORMWATER ASBUILT-DETAIL SHEET 1
2011-02-AB402	STORMWATER ASBUILT-DETAIL SHEET 2
2011-02-AB403	STORMWATER ASBUILT-DETAIL SHEET 3
2011-02-AB404	STORMWATER ASBUILT-COORDINATE SCHEDULES
2011-02-AB410	WASTEWATER ASBUILT-OVERALL LAYOUT
2011-02-AB411	WASTEWATER ASBUILT-DETAIL SHEET 1
2011-02-AB412	WASTEWATER ASBUILT-DETAIL SHEET 2
2011-02-AB413	WASTEWATER ASBUILT-DETAIL SHEET 3
500-Water Supply	
2011-02-AB500	WATER SUPPLY ASBUILT-OVERALL LAYOUT-SHEET 1
2011-02-AB501	WATER SUPPLY ASBUILT-DETAIL SHEET 1
2011-02-AB502	WATER SUPPLY ASBUILT-DETAIL SHEET 2
2011-02-AB503	WATER SUPPLY ASBUILT-DETAIL SHEET 3
2011-02-AB504	WATER SUPPLY ASBUILT-COORDINATE SCHEDULES
600-Services	
2011-02-AB600	POWER SUPPLY ASBUILT PLAN-STAGE 2-SHEET 1
2011-02-AB601	POWER SUPPLY ASBUILT PLAN-STAGE 2-SHEET 2
2011-02-AB610	CHORUS ASBUILT PLAN-SHEET 1
2011-02-AB611	CHORUS ASBUILT PLAN-SHEET 2



LEGEND

- EXISTING CONTOUR (10.0)
- ASBUILT MINOR CONTOUR
- ASBUILT MAJOR CONTOUR (10.0)
- ASBUILT SUB-SOIL DRAIN
- ASBUILT COUNTERFORT DRAIN
- ASBUILT RETAINING WALL
- STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2018 AND 2019.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE CUT/FILL DEPTH CONTOURS SHOWN ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY — 06.03.2020
CMENGNZ CPENG — DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
FINISHED CONTOURS ASBUILT PLAN
STAGE 1 AND STAGE 2 - SHEET 1
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:750 / 1:1500
SCALE BAR 1:1500@A3 0 15 30 45 60 75m
DRAWING NUMBER: 2011-02-AB200 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB200.DWG

LEGEND

- EXISTING CONTOUR
- ASBUILT MINOR CONTOUR
- ASBUILT MAJOR CONTOUR
- 10.0 EARTHWORK EXTENT
- ASBUILT SUB-SOIL DRAIN
- ASBUILT COUNTERFORT DRAIN
- ASBUILT RETAINING WALL
- STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2018, 2019, AND 2020.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE CUT/FILL DEPTH CONTOURS SHOWN ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

SCHEDULE OF COORDINATES

POINT No.	mE	mN	LEVEL
UF 3.01	416532.79	757295.37	29.42
UF 3.02	416531.51	757293.98	29.45
UF 3.03	416531.76	757292.71	29.35
UF 3.04	416533.50	757291.63	29.19
UF 3.05	416537.29	757290.90	29.05
UF 3.06	416541.10	757288.21	28.96
UF 3.07	416546.75	757285.79	28.75
UF 3.08	416550.14	757286.12	28.62
UF 3.09	416552.67	757284.88	28.73
UF 3.10	416557.56	757283.01	28.62
UF 4.01	416533.06	757267.83	29.28
UF 4.02	416532.07	757263.07	29.18
UF 4.03	416532.27	757259.04	29.12
UF 4.04	416535.58	757255.86	28.83
UF 4.05	416539.61	757252.99	28.46
UF 4.06	416545.04	757249.37	28.24
UF 4.07	416553.21	757241.77	27.70
UF 5.01	416534.85	757171.21	29.87
UF 5.02	416535.76	757170.61	29.70
UF 5.03	416540.26	757170.77	28.75
UF 5.04	416543.32	757171.89	28.70
UF 5.05	416545.77	757175.09	28.70
UF 5.06	416547.28	757178.48	28.70
UF 5.07	416547.77	757182.78	28.66
UF 5.08	416547.15	757189.61	28.61
UF 5.09	416547.68	757191.29	28.66
UF 5.10	416553.69	757194.65	28.26
UF 5.11	416561.45	757197.66	27.90
UF 5.12	416569.27	757199.34	27.76
UF 5.13	416537.40	757186.18	29.78
UF 5.14	416538.68	757191.11	29.57
UF 5.15	416543.81	757190.54	28.95
UF 5.16	416538.51	757197.07	30.01
CF 1.1	416483.95	757047.28	26.80
CF 1.2	416496.83	757046.22	26.53
CF 2.1	416487.84	757058.33	26.70
CF 2.2	416499.01	757049.70	26.29
CF 3.1	416493.96	757064.77	26.50
CF 3.2	416500.47	757052.40	26.41
CF 4.1	416505.92	757067.04	26.26
CF 4.2	416506.50	757056.40	26.15

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
UNDERFILL DRAINS ASBUILT PLAN
STAGE 2 - DETAIL SHEET 1
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:750 / 1:1500
SCALE BAR 1:1500@A3 0 15 30 45 60 75m
DRAWING NUMBER: 2011-02-AB205 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB205.DWG

LEGEND

- 10.0 — ASBUILT CUT ISOPACH
- 10.0 — ASBUILT FILL ISOPACH
- EARTHWORKS ZERO CUT/FILL LINE
- ASBUILT UNDERFILL DRAIN
- ASBUILT COUNTERFORT DRAIN
- STAGE BOUNDARY
- CUT — ASBUILT CUT
- FILL — ASBUILT FILL

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2018, 2019 AND 2020.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE CUT/FILL DEPTH CONTOURS SHOWN ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY — 06.03.2020
CMENGNZ CPENG — DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
ISOPACH ASBUILT PLAN - STAGE 2
EXISTING SURFACE TO ASBUILT SURFACE
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:750 / 1:1500
SCALE BAR 1:1500@A3 0 15 30 45 60 75m
DRAWING NUMBER: 2011-02-AB220 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB220.DWG

LEGEND

- 10.0 — ASBUILT CUT ISOPACH
- 10.0 — ASBUILT FILL ISOPACH
- EARTHWORKS ZERO CUT/FILL LINE
- ASBUILT UNDERFILL DRAIN
- ASBUILT COUNTERFORT DRAIN
- STAGE BOUNDARY
- CUT — ASBUILT CUT
- FILL — ASBUILT FILL

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2018, 2019 AND 2020.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE CUT/FILL DEPTH CONTOURS SHOWN ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY — 06.03.2020
CMENGNZ CPENG — DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

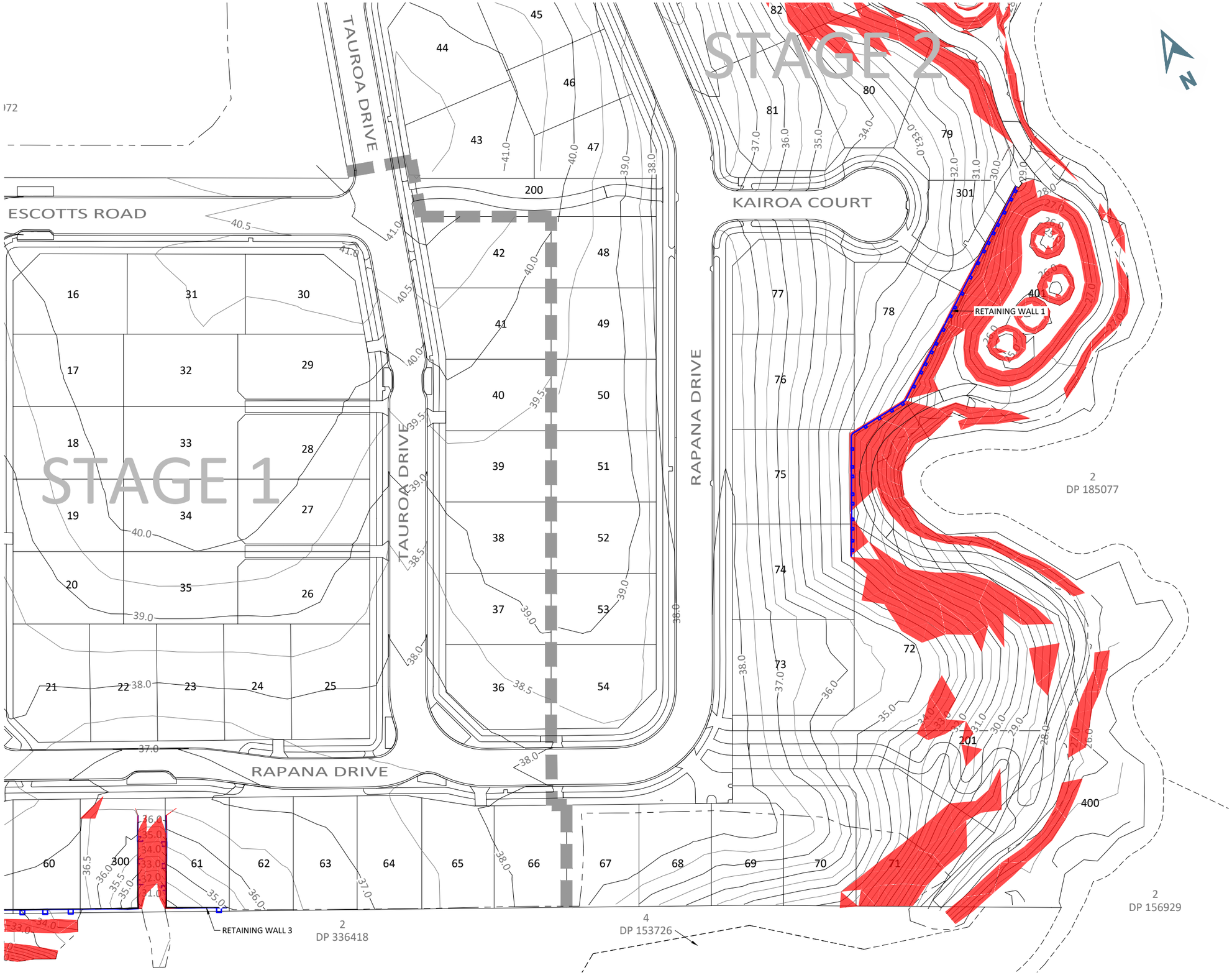
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
ISOPACH ASBUILT PLAN - STAGE 2
STRIPPED SURFACE TO FINISHED SURFACE
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:750 / 1:1500
SCALE BAR 1:1500@A3 0 15 30 45 60 75m
DRAWING NUMBER: 2011-02-AB225 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB225.DWG



LEGEND

- EXISTING CONTOUR
- ASBUILT MINOR CONTOUR
- ASBUILT MAJOR CONTOUR
- EARTHWORK EXTENT
- ASBUILT SUB-SOIL DRAIN
- ASBUILT RETAINING WALL
- SLOPES OVER 1 IN 4
- STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2018 AND 2019.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
SLOPE ANALYSIS ASBUILT PLAN
STAGE 2 - SHEET 1
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:500 / 1:1000
SCALE BAR 1:1000@A3 0 10 20 30 40 50m
DRAWING NUMBER: 2011-02-AB290 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB290.DWG

LEGEND

- EXISTING CONTOUR
- ASBUILT MINOR CONTOUR
- ASBUILT MAJOR CONTOUR
- EARTHWORK EXTENT
- ASBUILT SUB-SOIL DRAIN
- ASBUILT RETAINING WALL
- SLOPES OVER 1 IN 4
- STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2018 AND 2019.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020
CHECKED: RJP	DATE: 06.03.20
APPROVED: RJP	DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
SLOPE ANALYSIS ASBUILT PLAN
STAGE 2 - SHEET 2
SUB0311/18 & LUC0489/18

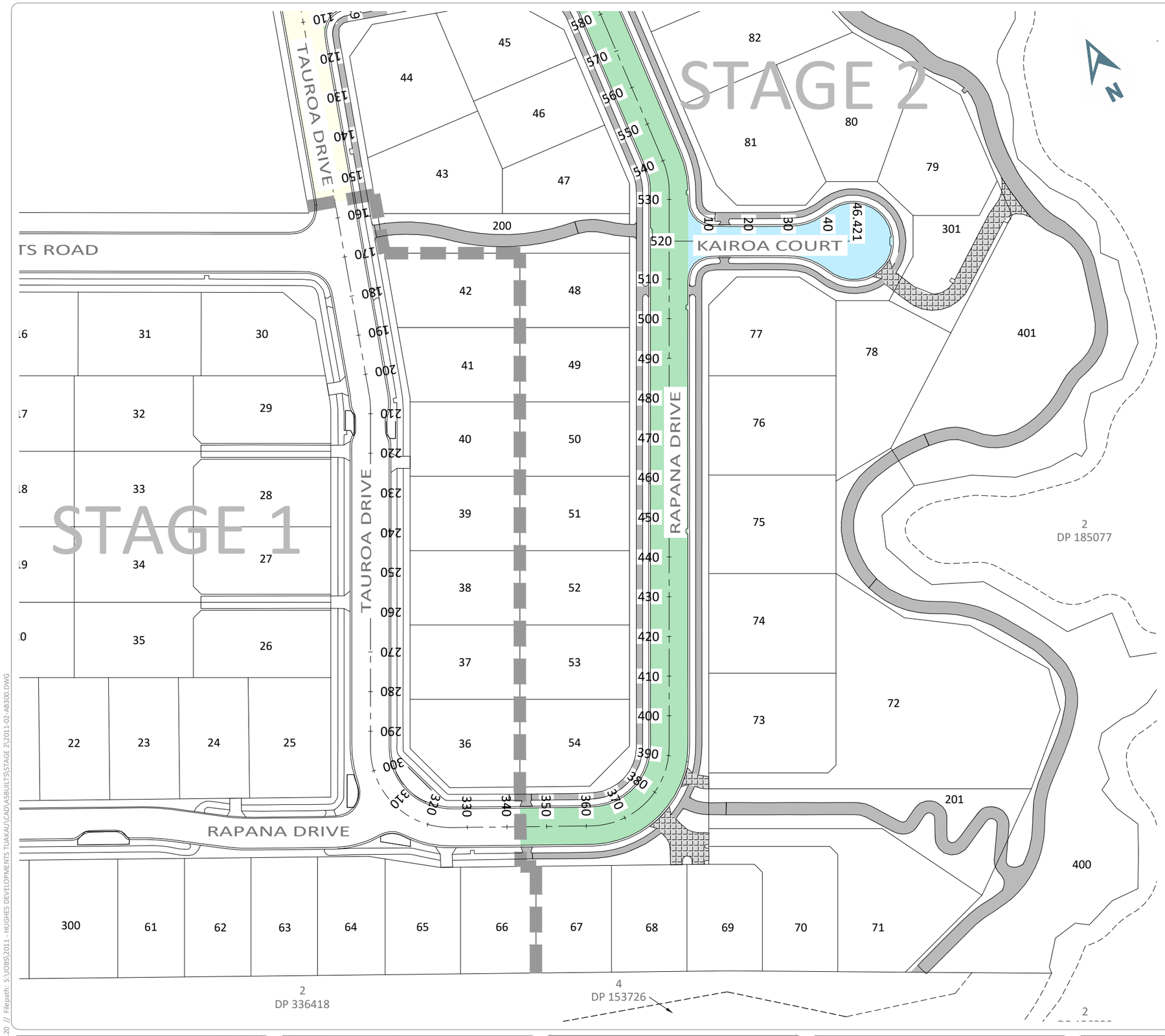
ISSUE STATUS: AS BUILT

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

SCALE BAR 1:1000@A3 0 10 20 30 40 50m

DRAWING NUMBER: 2011-02-AB291 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB290.DWG



PAVEMENT CONSTRUCTION SCHEDULE				
ROAD	SUBGRADE STRENGTH	SUBBASE DEPTH (mm)	BASECOURSE DEPTH (mm)	SURFACING DEPTH (mm)
ROAD	CBR	GAP 65	AP40 NZTA M/4	DG10 / AC 14
RAPANA DRIVE	5%	250	150	30
KIAROA COURT	5%	250	150	30
TAUROA DRIVE	5%	250	150	30

OTHER CONCRETE	
FOOTPATHS AND RESERVE PATHS	ROAD CROSSINGS AND ACCESSWAYS
NO REINFORCEMENT	1 LAYERS 665 MESH
100 THICK	150 THICK

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2018 AND 2019.
3. ALL ROADS ARE STANDARD CONSTRUCTION WITH NO UNDERCUTS OR GEOTEXTILE.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PAVEMENT DEPTHS ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
ROADING PAVEMENT ASBUILT PLAN
STAGE 2 - SHEET 1
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:500 / 1:1000
SCALE BAR 1:1000@A3 0 10 20 30 40 50m
DRAWING NUMBER: 2011-02-AB300 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB300.DWG

PAVEMENT CONSTRUCTION SCHEDULE				
ROAD	SUBGRADE STRENGTH	SUBBASE DEPTH (mm)	BASECOURSE DEPTH (mm)	SURFACING DEPTH (mm)
ROAD	CBR	GAP 65	AP40 NZTA M/4	DG10 / AC 14
RAPANA DRIVE	5%	250	150	30
KIAROA COURT	5%	250	150	30
TAUROA DRIVE	5%	250	150	30

OTHER CONCRETE	
FOOTPATHS AND RESERVE PATHS	ROAD CROSSINGS AND ACCESSWAYS
NO REINFORCEMENT	1 LAYERS 665 MESH
100 THICK	150 THICK

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2018 AND 2019.
3. ALL ROADS ARE STANDARD CONSTRUCTION WITH NO UNDERCUTS OR GEOTEXTILE.

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE PAVEMENT DEPTHS ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020		
CHECKED: RJP	DATE: 06.03.20		
APPROVED: RJP	DATE: 06.03.20		

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
ROADING PAVEMENT ASBUILT PLAN
STAGE 2 - SHEET 2
SUB0311/18 & LUC0489/18

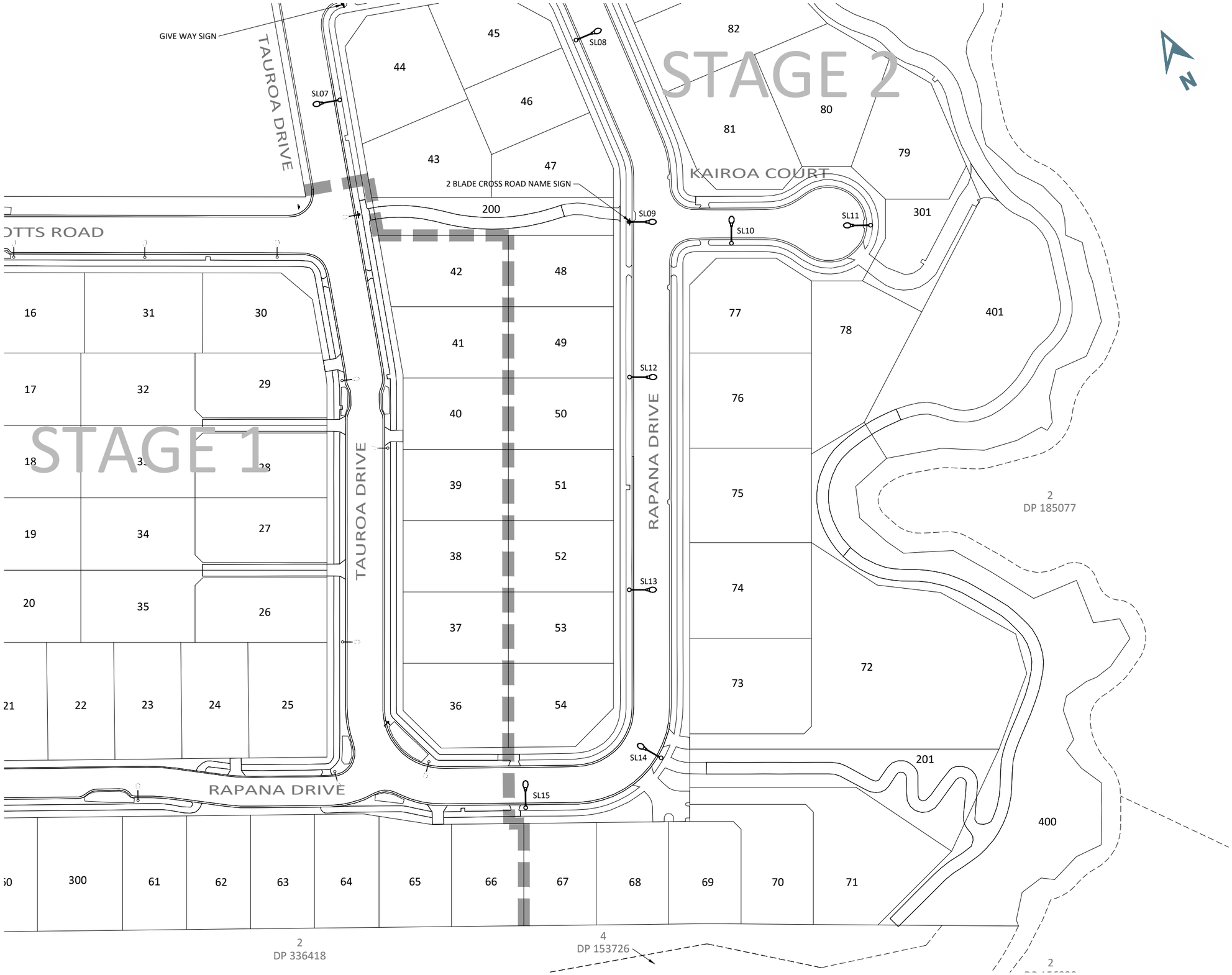
ISSUE STATUS: AS BUILT

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

SCALE BAR 1:1000@A3 0 10 20 30 40 50m

DRAWING NUMBER: 2011-02-AB301 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB300.DWG



LEGEND

ASBUILT

- STREETLIGHT
- 2 BLADE CROSS ROAD NAME SIGN
- STREET SIGN
- PW-68 CHEVRON SIGN
- STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.
3. SL1-9,12-15 STREETLIGHT DETAILS:
   - 3.1. 8m VISULO - MINI STALK (IBEX LIGHTING)
   - 3.2. 1m OUTREACH
   - 3.3. 27.5 WATT EACH
   - 3.4. ZERO DEGREE TILT ANGLE
   - 3.5. CIRCULAR GALVANISED POLE, PAINTED BLACK
4. SL10,11 STREETLIGHT DETAILS:
   - 4.1. 8m VISULO - MINI STALK (IBEX LIGHTING)
   - 4.2. 1m OUTREACH
   - 4.3. 22.3 WATT EACH
   - 4.4. ZERO DEGREE TILT ANGLE
   - 4.5. CIRCULAR GALVANISED POLE, PAINTED BLACK

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE STREET LIGHTING, SIGN POSITIONS AND ROAD MARKINGS ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020		
CHECKED: RJP	DATE: 06.03.20		
APPROVED: RJP	DATE: 06.03.20		

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

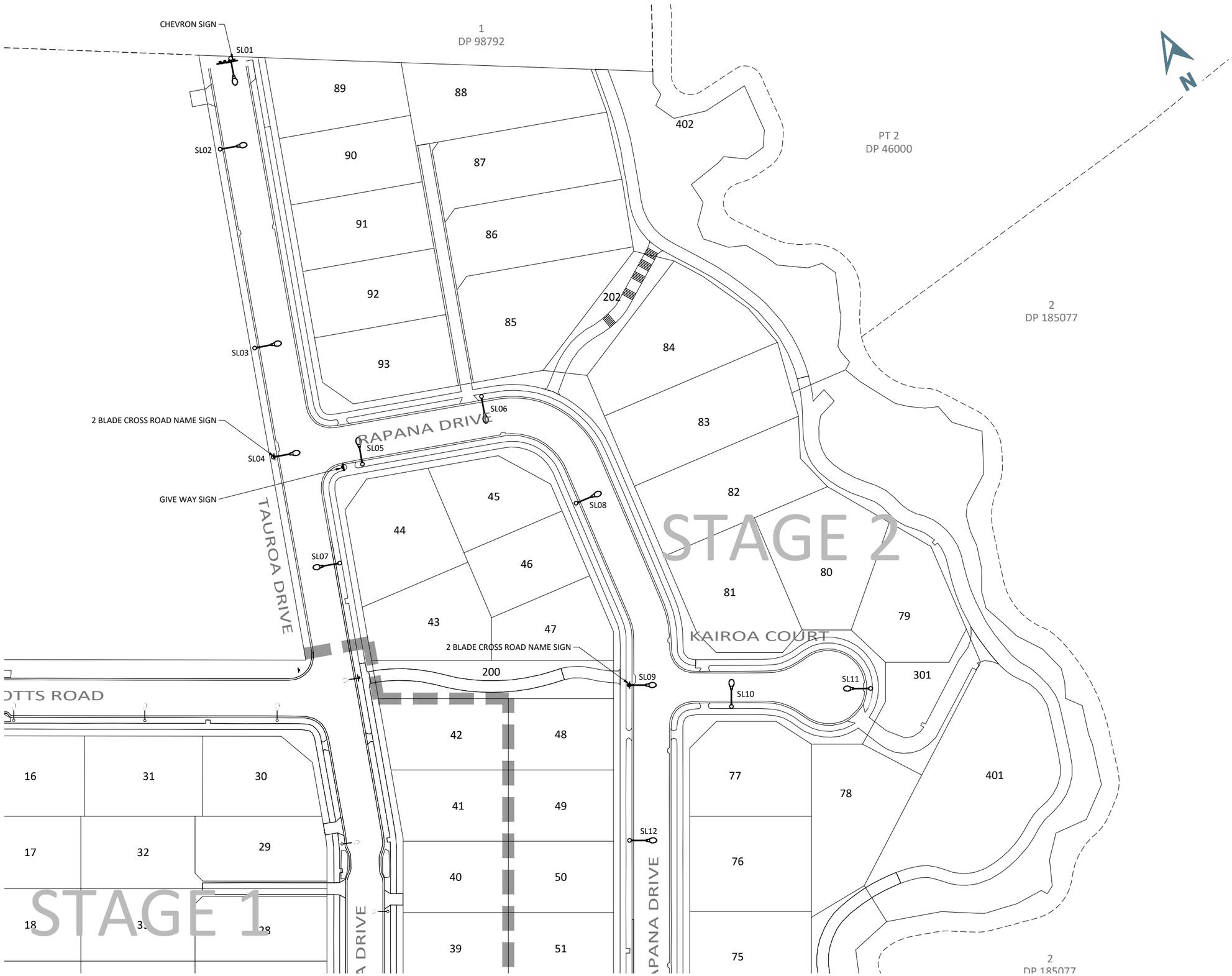
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
ROADING FEATURES ASBUILT PLAN
STAGE 2 - SHEET 1
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:500 / 1:1000
SCALE BAR 1:1000@A3 0 10 20 30 40 50m
DRAWING NUMBER: 2011-02-AB302 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB302.DWG



LEGEND

ASBUILT

- STREETLIGHT
- 2 BLADE CROSS ROAD NAME SIGN
- STREET SIGN
- PW-68 CHEVRON SIGN
- STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.
3. SL1-9,12-15 STREETLIGHT DETAILS:
   - 3.1. 8m VISULO - MINI STALK (IBEX LIGHTING)
   - 3.2. 1m OUTREACH
   - 3.3. 27.5 WATT EACH
   - 3.4. ZERO DEGREE TILT ANGLE
   - 3.5. CIRCULAR GALVANISED POLE, PAINTED BLACK
4. SL10,11 STREETLIGHT DETAILS:
   - 4.1. 8m VISULO - MINI STALK (IBEX LIGHTING)
   - 4.2. 1m OUTREACH
   - 4.3. 22.3 WATT EACH
   - 4.4. ZERO DEGREE TILT ANGLE
   - 4.5. CIRCULAR GALVANISED POLE, PAINTED BLACK

I, RYAN JAMES PITKETHLEY, BELIEVE ON REASONABLE GROUNDS THAT THE STREET LIGHTING, SIGN POSITIONS AND ROAD MARKINGS ARE CORRECT BASED ON THE INFORMATION SUPPLIED TO CIVILPLAN BY THE CONTRACTOR FOR THE WORK, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020		
CHECKED: RJP	DATE: 06.03.20		
APPROVED: RJP	DATE: 06.03.20		

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
ROADING FEATURES ASBUILT PLAN
STAGE 2 - SHEET 2
SUB0311/18 & LUC0489/18

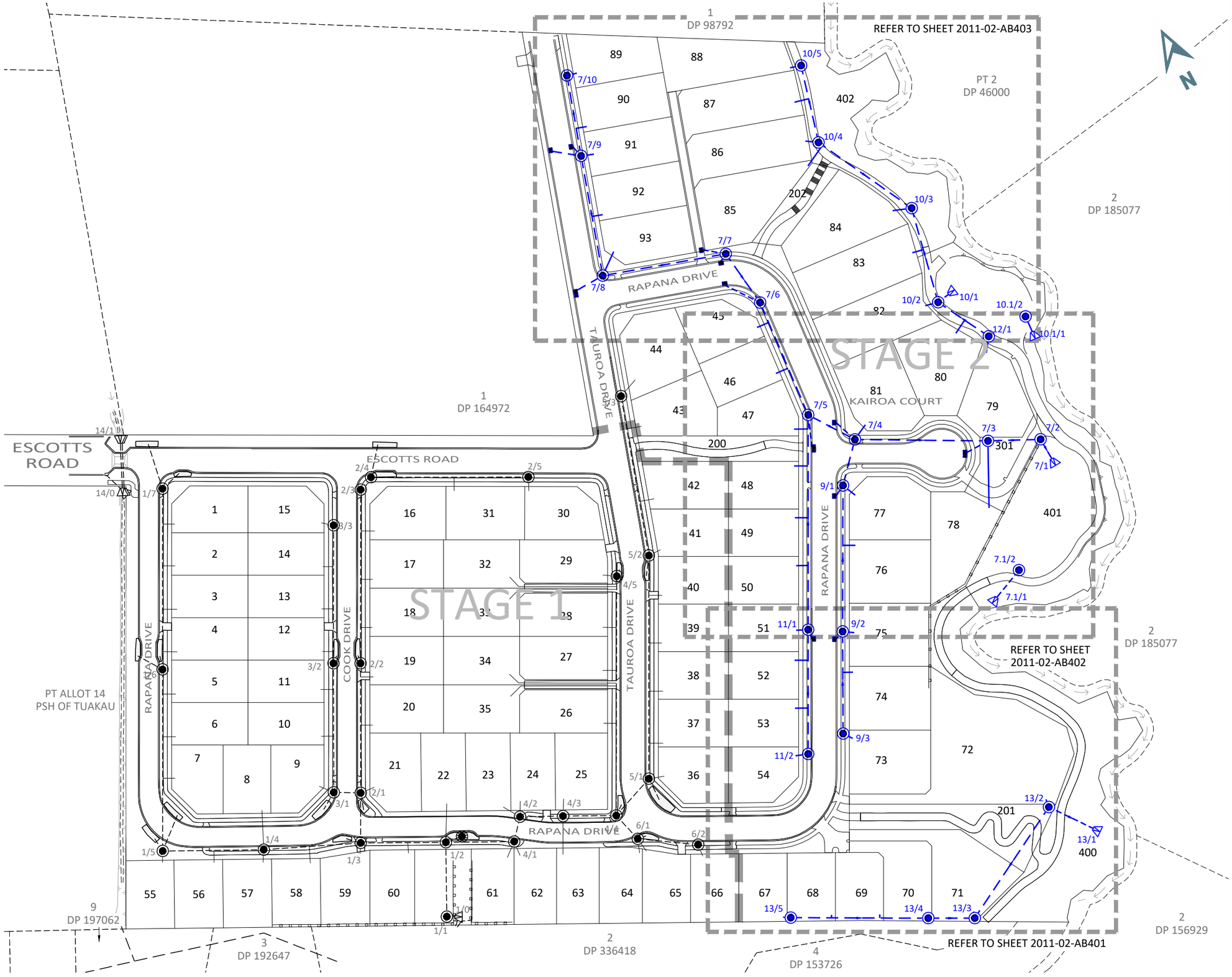
ISSUE STATUS: AS BUILT

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

SCALE BAR 1:1000@A3 0 10 20 30 40 50m

DRAWING NUMBER: 2011-02-AB303 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB302.DWG



LEGEND

EXISTING

(CR)	PLOTTED FROM COUNCIL RECORDS
DN1350 SW	STORMWATER LINE AND MANHOLE

ASBUILT

DN300	STORMWATER LINE AND MANHOLE
X.Xm	STORMWATER CONNECTION
	STORMWATER CATCHPIT
	SCRUFFY DOME INLET/OUTLET MANHOLE
	STORMWATER INLET
	STORMWATER OUTLET
	STAGE BOUNDARY

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. ALL STORMWATER LINES OVER DN150 ARE RCRRJ.
4. ALL DN 100 & DN 150 STORMWATER LINES ARE uPVC DWV SN16 AS/NZ 1260.
5. ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE.
6. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
7. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
8. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
9. SEE SHEET 2011-02-AB404 FOR CO-ORDINATE SCHEDULES.
10. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY — 06.03.2020
CMENGNZ CPENG — DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN:	DKP	DATE:	03.2020
CHECKED:	RJP	DATE:	06.03.20
APPROVED:	RJP	DATE:	06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

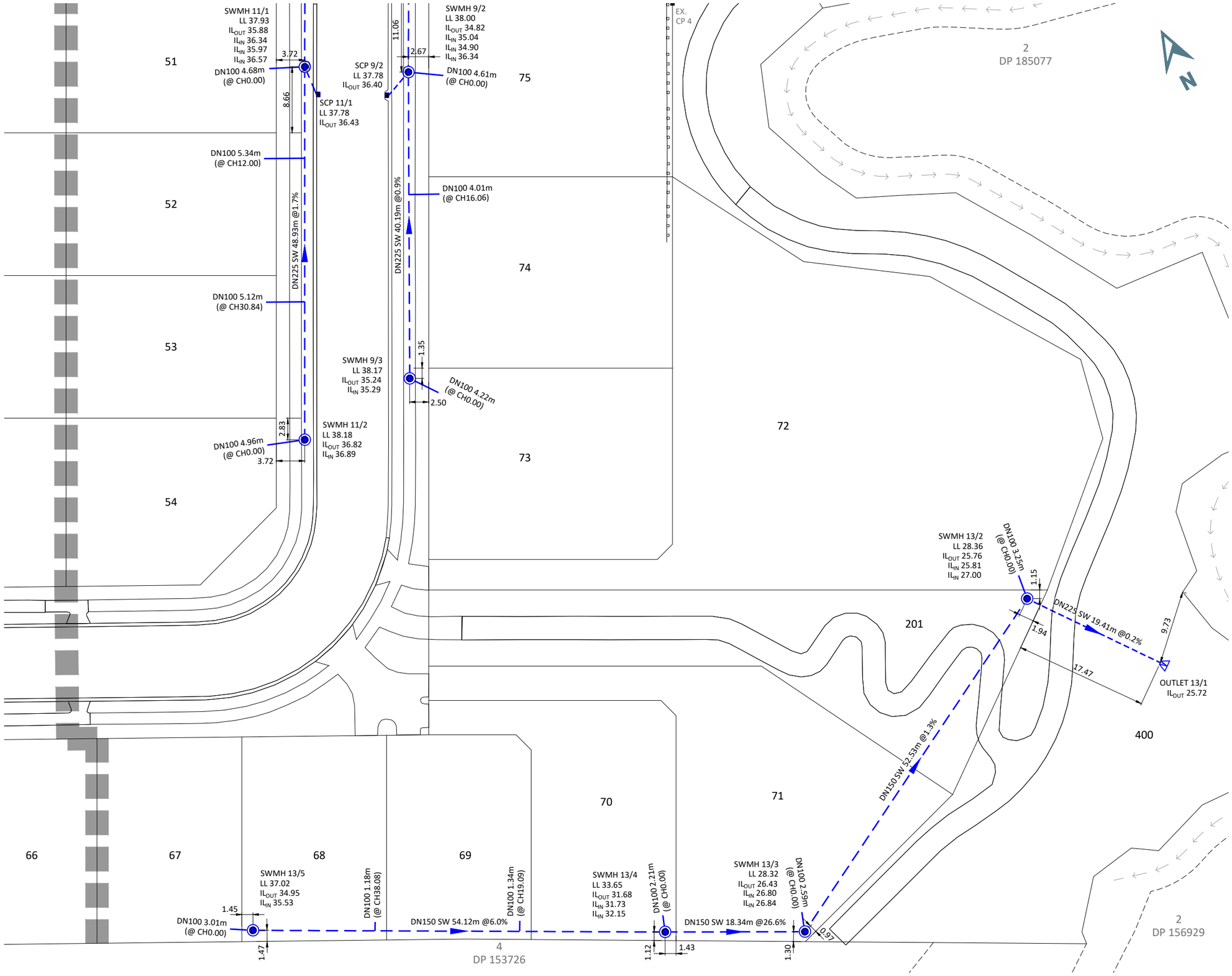
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
STORMWATER ASBUILT
STAGE 2 - OVERALL LAYOUT
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:750 / 1:1500
SCALE BAR 1:1500@A3 0 15 30 45 60 75m
DRAWING NUMBER: 2011-02-AB400 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB400.DWG



LEGEND

EXISTING

(CR)	PLOTTED FROM COUNCIL RECORDS
DN1350 SW	STORMWATER LINE AND MANHOLE

ASBUILT

DN300	STORMWATER LINE AND MANHOLE
X.Xm	STORMWATER CONNECTION
	STORMWATER CATCHPIT
	SCRUFFY DOME INLET/OUTLET MANHOLE
	STORMWATER INLET
	STORMWATER OUTLET
	STAGE BOUNDARY

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. ALL STORMWATER LINES OVER DN150 ARE RCRRJ.
4. ALL DN 100 & DN 150 STORMWATER LINES ARE uPVC DWV SN16 AS/NZ 1260.
5. ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE.
6. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
7. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
8. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
9. SEE SHEET 2011-02-AB404 FOR CO-ORDINATE SCHEDULES.
10. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
STORMWATER ASBUILT
STAGE 2 - DETAIL SHEET 1
SUB0311/18 & LUC0489/18

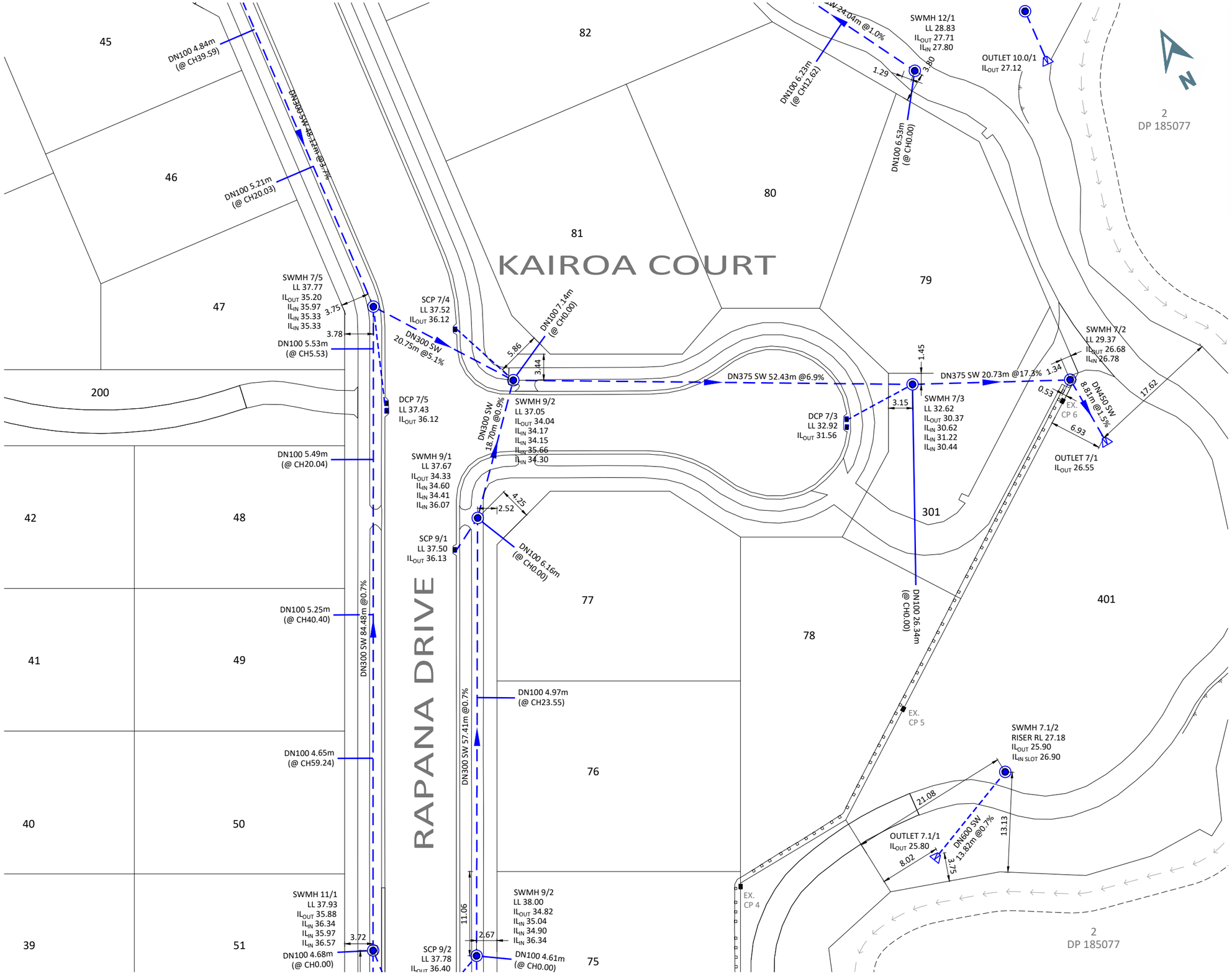
ISSUE STATUS: AS BUILT

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

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

DRAWING NUMBER: 2011-02-AB401 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB400.DWG



LEGEND

EXISTING

(CR)	PLOTTED FROM COUNCIL RECORDS
DN1350 SW	STORMWATER LINE AND MANHOLE

ASBUILT

DN300	STORMWATER LINE AND MANHOLE
X.Xm	STORMWATER CONNECTION
	STORMWATER CATCHPIT
	SCRUFFY DOME INLET/OUTLET MANHOLE
	STORMWATER INLET
	STORMWATER OUTLET
	STAGE BOUNDARY

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. ALL STORMWATER LINES OVER DN150 ARE RCRRJ.
4. ALL DN 100 & DN 150 STORMWATER LINES ARE uPVC DWV SN16 AS/NZ 1260.
5. ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE.
6. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
7. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
8. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
9. SEE SHEET 2011-02-AB404 FOR CO-ORDINATE SCHEDULES.
10. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

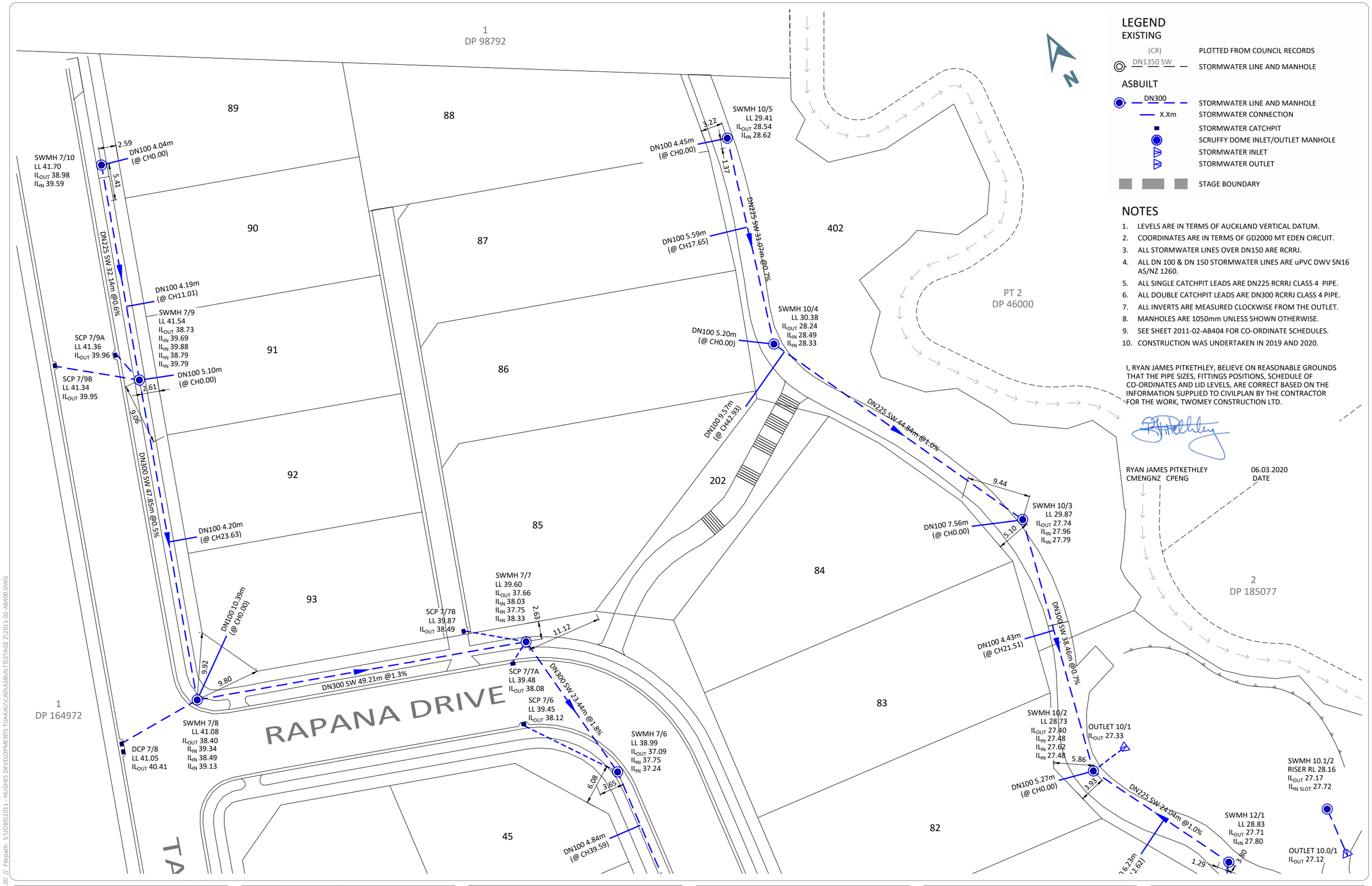
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
STORMWATER ASBUILT
STAGE 2 - DETAIL SHEET 2
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:250 / 1:500
SCALE BAR 1:500@A3 0 5 10 15 20 25m
DRAWING NUMBER: 2011-02-AB402 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB400.DWG



LEGEND

EXISTING

(CR)	PLOTTED FROM COUNCIL RECORDS
DN1350 SW	STORMWATER LINE AND MANHOLE

ASBUILT

DN300	STORMWATER LINE AND MANHOLE
X.Xm	STORMWATER CONNECTION
	STORMWATER CATCHPIT
	SCRUFFY DOME INLET/OUTLET MANHOLE
	STORMWATER INLET
	STORMWATER OUTLET
	STAGE BOUNDARY

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. ALL STORMWATER LINES OVER DN150 ARE RCRRJ.
4. ALL DN 100 & DN 150 STORMWATER LINES ARE uPVC DWV SN16 AS/NZ 1260.
5. ALL SINGLE CATCHPIT LEADS ARE DN225 RCRRJ CLASS 4 PIPE.
6. ALL DOUBLE CATCHPIT LEADS ARE DN300 RCRRJ CLASS 4 PIPE.
7. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
8. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
9. SEE SHEET 2011-02-AB404 FOR CO-ORDINATE SCHEDULES.
10. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
STORMWATER ASBUILT
STAGE 2 - DETAIL SHEET 3
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT

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

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

DRAWING NUMBER: 2011-02-AB403 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB400.DWG

SCHEDULE OF COORDINATES SW MANHOLES-GD2000

POINT No.	mE	mN
OUTLET 10.1/01	416578.18	757143.26
OUTLET 10/01	416556.31	757171.80
OUTLET 13/01	416507.39	756959.49
OUTLET 7.1/01	416516.70	757057.53
OUTLET 7/01	416561.51	757095.48
SWMH 10.1/02	416578.75	757149.74
SWMH 10/02	416551.01	757170.90
SWMH 10/03	416559.26	757208.47
SWMH 10/04	416539.10	757248.52
SWMH 10/05	416547.31	757278.48
SWMH 11/01	416445.16	757081.37
SWMH 11/02	416422.11	757038.21
SWMH 12/01	416562.29	757149.67
SWMH 13/02	416495.92	756975.15
SWMH 13/03	416449.61	756950.34
SWMH 13/04	416433.42	756958.95
SWMH 13/05	416385.79	756984.64
SWMH 7.1/02	416529.43	757062.93
SWMH 7/010	416464.12	757318.43
SWMH 7/02	416561.19	757104.31
SWMH 7/03	416542.65	757113.52
SWMH 7/04	416496.66	757138.69
SWMH 7/05	416485.01	757155.86
SWMH 7/06	416489.12	757203.81
SWMH 7/07	416486.25	757227.07
SWMH 7/08	416439.47	757242.34
SWMH 7/09	416454.14	757287.88
SWMH 9/01	416484.03	757124.95
SWMH 9/02	416456.83	757074.35
SWMH 9/03	416438.05	757038.82

SCHEDULE OF COORDINATES CATCHPITS-GD2000

POINT No.	mE	mN
DCP 7/3	416532.66	757113.09
DCP 7/5	416480.34	757143.44
DCP 7/8	416426.44	757241.31
SCP 11/1	416444.82	757077.45
SCP 7/4	416493.27	757148.06
SCP 7/6	416480.16	757216.31
SCP 7/7A	416483.09	757225.36
SCP 7/7B	416479.06	757232.68
SCP 7/9A	416452.96	757292.71
SCP 7/9B	416443.93	757295.69
SCP 9/1	416479.62	757122.57
SCP 9/2	416453.12	757072.88

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY 06.02.2020
CMENGNZ CPENG DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

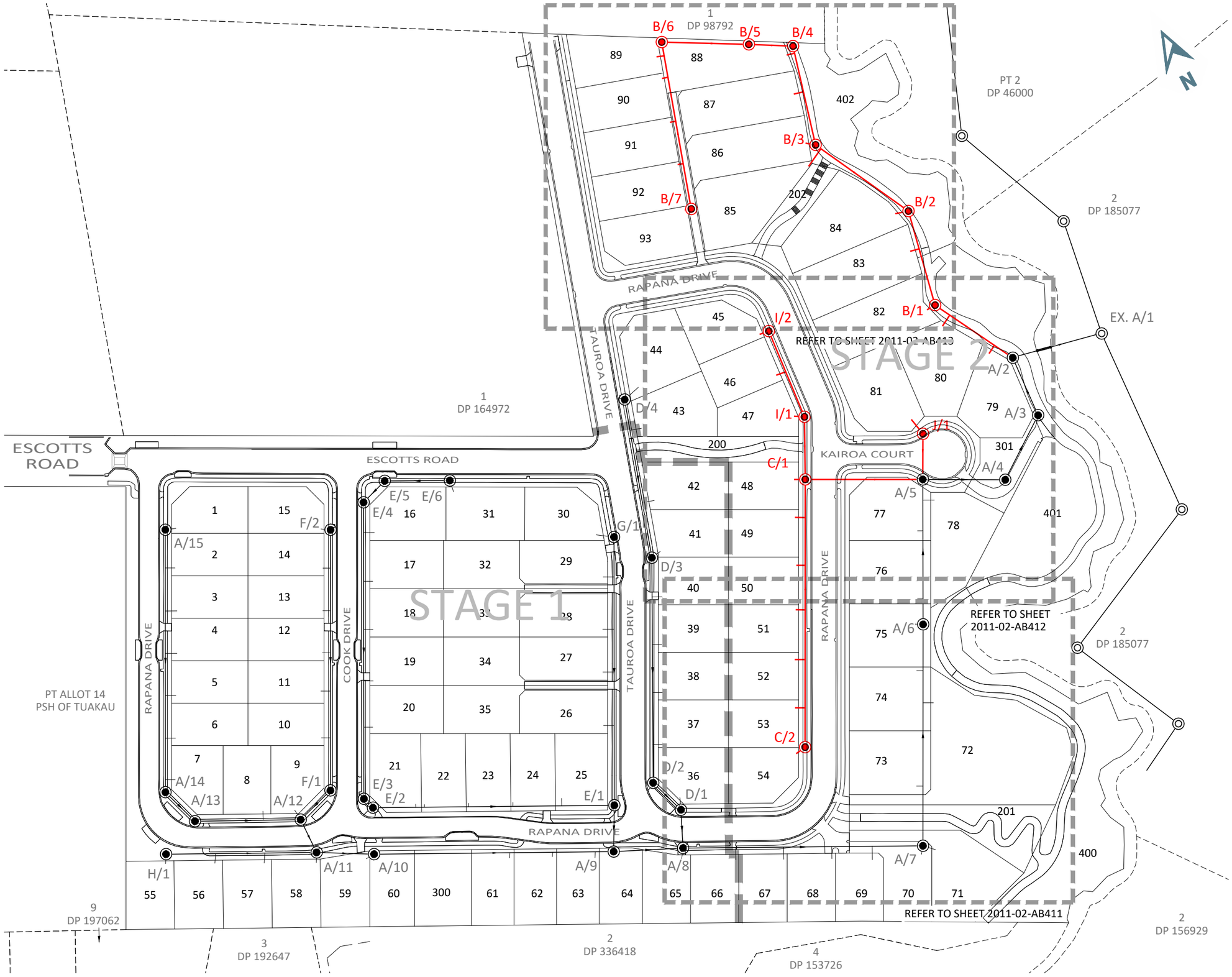
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
STORMWATER ASBUILT
STAGE 2 - COORDINATE SCHEDULES
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:125 / 1:250
SCALE BAR 1:250@A3 0 2.5 5 7.5 10 12.5m
DRAWING NUMBER: 2011-02-AB404 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB400.DWG



LEGEND

EXISTING

(CR) PLOTTED FROM COUNCIL RECORDS

WASTEWATER LINE AND MANHOLE

ASBUILT

WASTEWATER LINE AND MANHOLE

X.Xm WASTEWATER CONNECTION

STAGE BOUNDARY

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. ALL WASTEWATER LINES ARE DN150 uPVC SN16 TO AS/NZS1260.
4. ALL WASTEWATER CONNECTIONS ARE DN100 uPVC SN16 TO AS/NZS1260.
5. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
6. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
7. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

SCHEDULE OF COORDINATES WW MANHOLES-GD2000

POINT No.	mE	mN
EX. WWMH A/2	416566.83	757138.00
EX. WWMH A/5	416512.97	757112.47
WWMH B/1	416549.50	757170.67
WWMH B/2	416557.73	757208.26
WWMH B/3	416537.73	757248.41
WWMH B/4	416548.17	757286.89
WWMH B/5	416533.15	757295.72
WWMH B/6	416503.37	757312.67
WWMH B/7	416482.64	757249.26
WWMH C/1	416472.15	757134.26
WWMH C/2	416422.47	757041.38
WWMH I/1	416483.47	757156.12
WWMH I/2	416486.94	757192.49
WWMH J/1	416521.46	757128.24

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

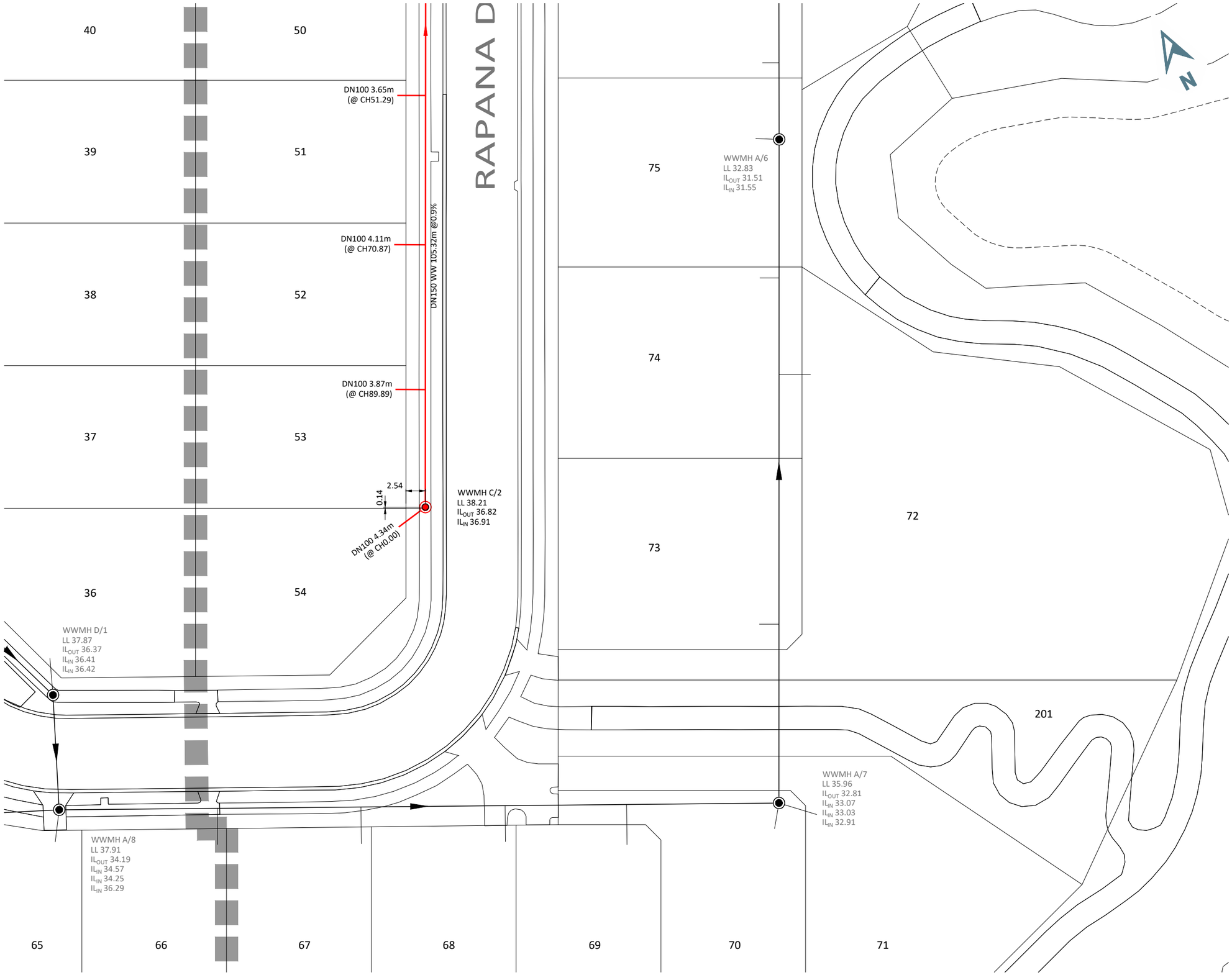
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
WASTEWATER ASBUILT
STAGE 2 - OVERALL LAYOUT
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:750 / 1:1500
SCALE BAR 1:1500@A3 0 15 30 45 60 75m
DRAWING NUMBER: 2011-02-AB410 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB410.DWG



LEGEND

EXISTING

(CR) PLOTTED FROM COUNCIL RECORDS

WASTEWATER LINE AND MANHOLE

ASBUILT

WASTEWATER LINE AND MANHOLE

X.Xm WASTEWATER CONNECTION

STAGE BOUNDARY

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. ALL WASTEWATER LINES ARE DN150 uPVC SN16 TO AS/NZS1260.
4. ALL WASTEWATER CONNECTIONS ARE DN100 uPVC SN16 TO AS/NZS1260.
5. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
6. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
7. SEE SHEET 2011-02-AB410 FOR CO-ORDINATE SCHEDULE.
8. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
WASTEWATER ASBUILT
STAGE 2 - DETAIL SHEET 1
SUB0311/18 & LUC0489/18

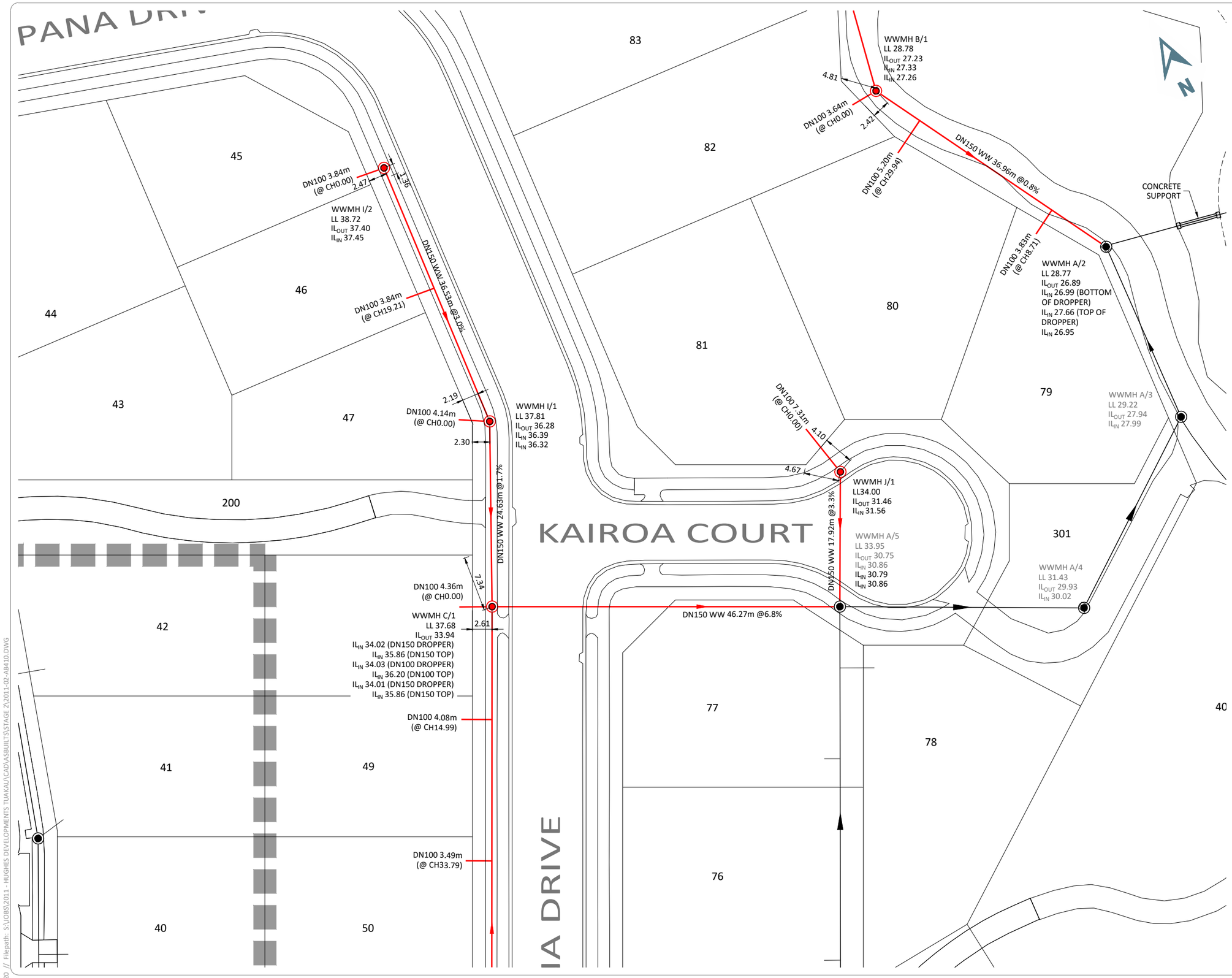
ISSUE STATUS: AS BUILT

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

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

DRAWING NUMBER: 2011-02-AB411 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB410.DWG



LEGEND

EXISTING

(CR) PLOTTED FROM COUNCIL RECORDS

WASTEWATER LINE AND MANHOLE

ASBUILT

WASTEWATER LINE AND MANHOLE

X.Xm WASTEWATER CONNECTION

STAGE BOUNDARY

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. ALL WASTEWATER LINES ARE DN150 uPVC SN16 TO AS/NZS1260.
4. ALL WASTEWATER CONNECTIONS ARE DN100 uPVC SN16 TO AS/NZS1260.
5. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
6. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
7. SEE SHEET 2011-02-AB410 FOR CO-ORDINATE SCHEDULE.
8. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB410.DWG

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

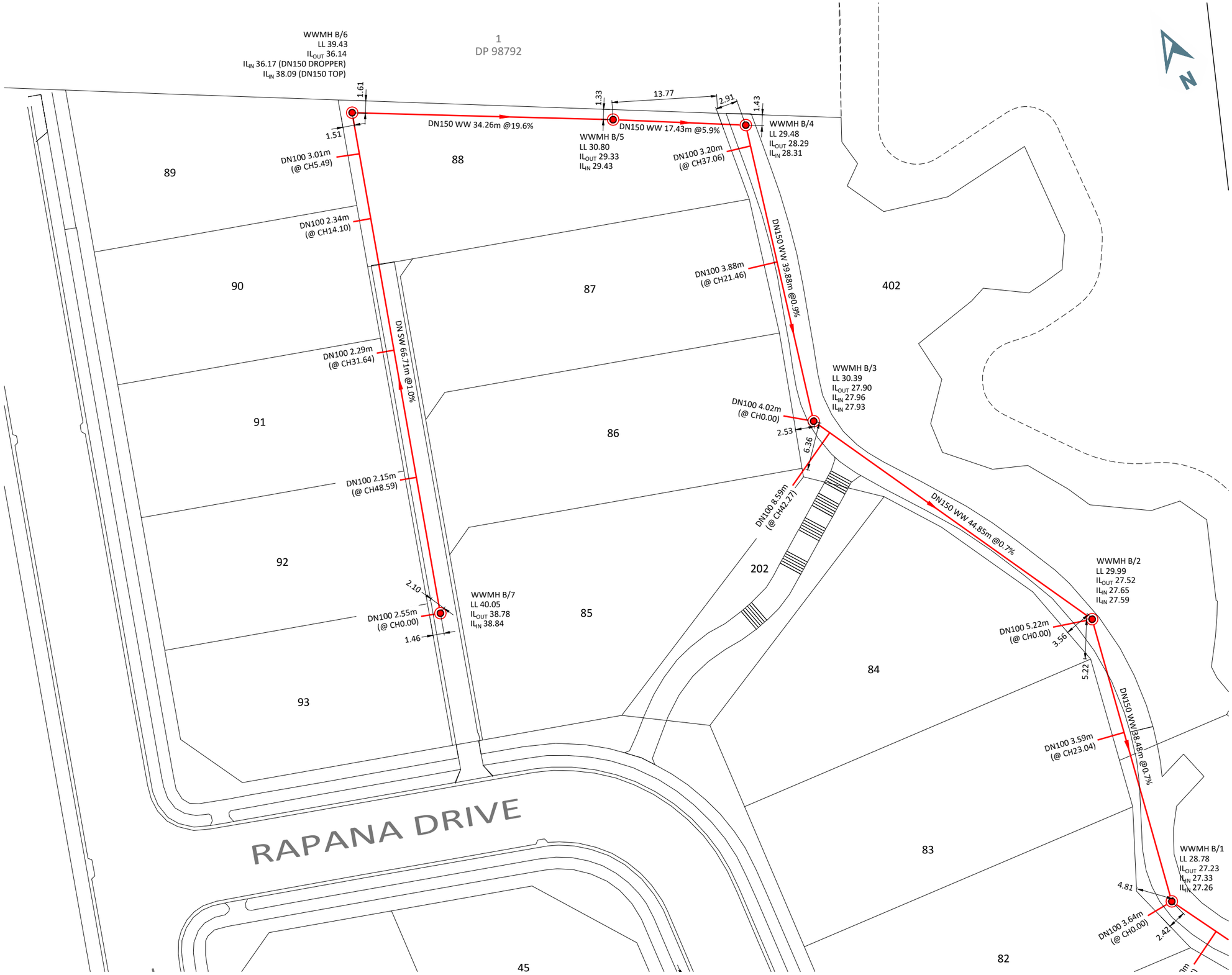
SHEET TITLE:
WASTEWATER ASBUILT
STAGE 2 - DETAIL SHEET 2
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT

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

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

DRAWING NUMBER: 2011-02-AB412 REV: A



LEGEND

EXISTING

(CR) PLOTTED FROM COUNCIL RECORDS

WASTEWATER LINE AND MANHOLE

ASBUILT

WASTEWATER LINE AND MANHOLE

X.Xm WASTEWATER CONNECTION

STAGE BOUNDARY

NOTES

1. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM.
2. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
3. ALL WASTEWATER LINES ARE DN150 uPVC SN16 TO AS/NZS1260.
4. ALL WASTEWATER CONNECTIONS ARE DN100 uPVC SN16 TO AS/NZS1260.
5. ALL INVERTS ARE MEASURED CLOCKWISE FROM THE OUTLET.
6. MANHOLES ARE 1050mm UNLESS SHOWN OTHERWISE.
7. SEE SHEET 2011-02-AB410 FOR CO-ORDINATE SCHEDULE.
8. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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, TWOMEY CONSTRUCTION LTD.

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

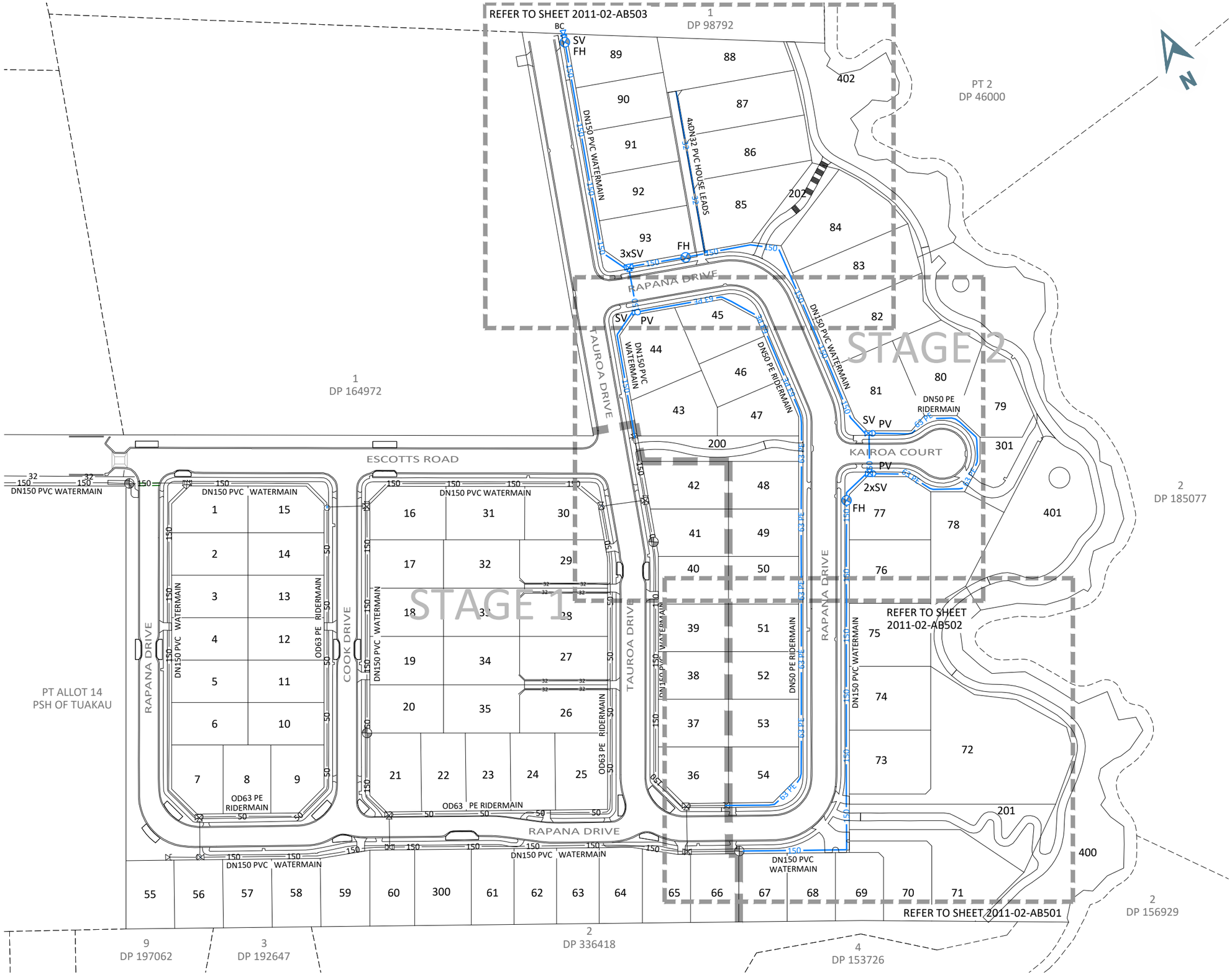
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
WASTEWATER ASBUILT
STAGE 2 - DETAIL SHEET 3
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:250 / 1:500
SCALE BAR 1:500@A3 0 5 10 15 20 25m
DRAWING NUMBER: 2011-02-AB413 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB410.DWG



LEGEND

EXISTING

(CR)	PLOTTED FROM COUNCIL RECORDS
32	DN32 RIDERMAIN
100	DN100 WATERMAIN
200	DN200 WATERMAIN
	FIRE HYDRANT
	SLUICE VALVE
	PEET VALVE
	BLANK CAP

ASBUILT

32	DN20 PE HOUSE CONNECTION
63 PE	OD63 PE RIDERMAIN
100	DN100 WATERMAIN
150	DN150 WATERMAIN
200	DN200 WATERMAIN
FH	FIRE HYDRANT
SV	SLUICE VALVE
PV	PEET VALVE
BC	BLANK CAP (WITH THRUST BLOCK)
W	WATER METER
	STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946.
3. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.
4. SEE 2011-02-AB504 FOR COORDINATE SCHEDULES.

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

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

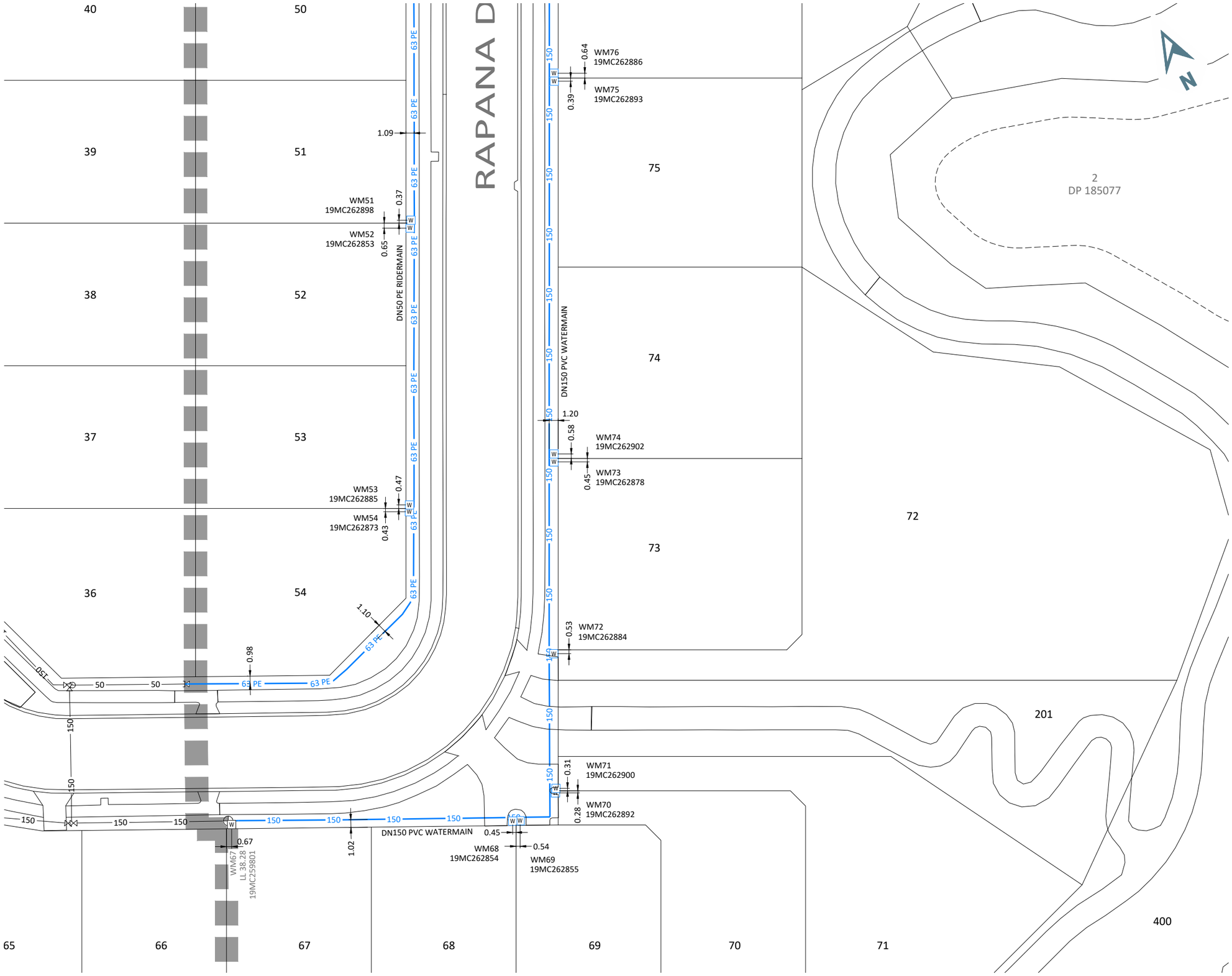
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
WATER SUPPLY ASBUILT PLAN
STAGE 2 - OVERALL LAYOUT
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:750 / 1:1500
SCALE BAR 1:1500@A3 0 15 30 45 60 75m
DRAWING NUMBER: 2011-02-AB500 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB500.DWG



LEGEND

EXISTING

(CR)	PLOTTED FROM COUNCIL RECORDS
32	DN32 RIDERMAIN
100	DN100 WATERMAIN
200	DN200 WATERMAIN
	FIRE HYDRANT
	SLUICE VALVE
	PEET VALVE
	BLANK CAP

ASBUILT

32	DN20 PE HOUSE CONNECTION
63 PE	OD63 PE RIDERMAIN
100	DN100 WATERMAIN
150	DN150 WATERMAIN
200	DN200 WATERMAIN
FH	FIRE HYDRANT
SV	SLUICE VALVE
PV	PEET VALVE
BC	BLANK CAP (WITH THRUST BLOCK)
W	WATER METER
	STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946.
3. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.
4. SEE 2011-02-AB504 FOR COORDINATE SCHEDULES.

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

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020	
CHECKED: RJP	DATE: 06.03.20	
APPROVED: RJP	DATE: 06.03.20	

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
WATER SUPPLY ASBUILT PLAN
STAGE 2 - DETAIL SHEET 1
SUB0311/18 & LUC0489/18

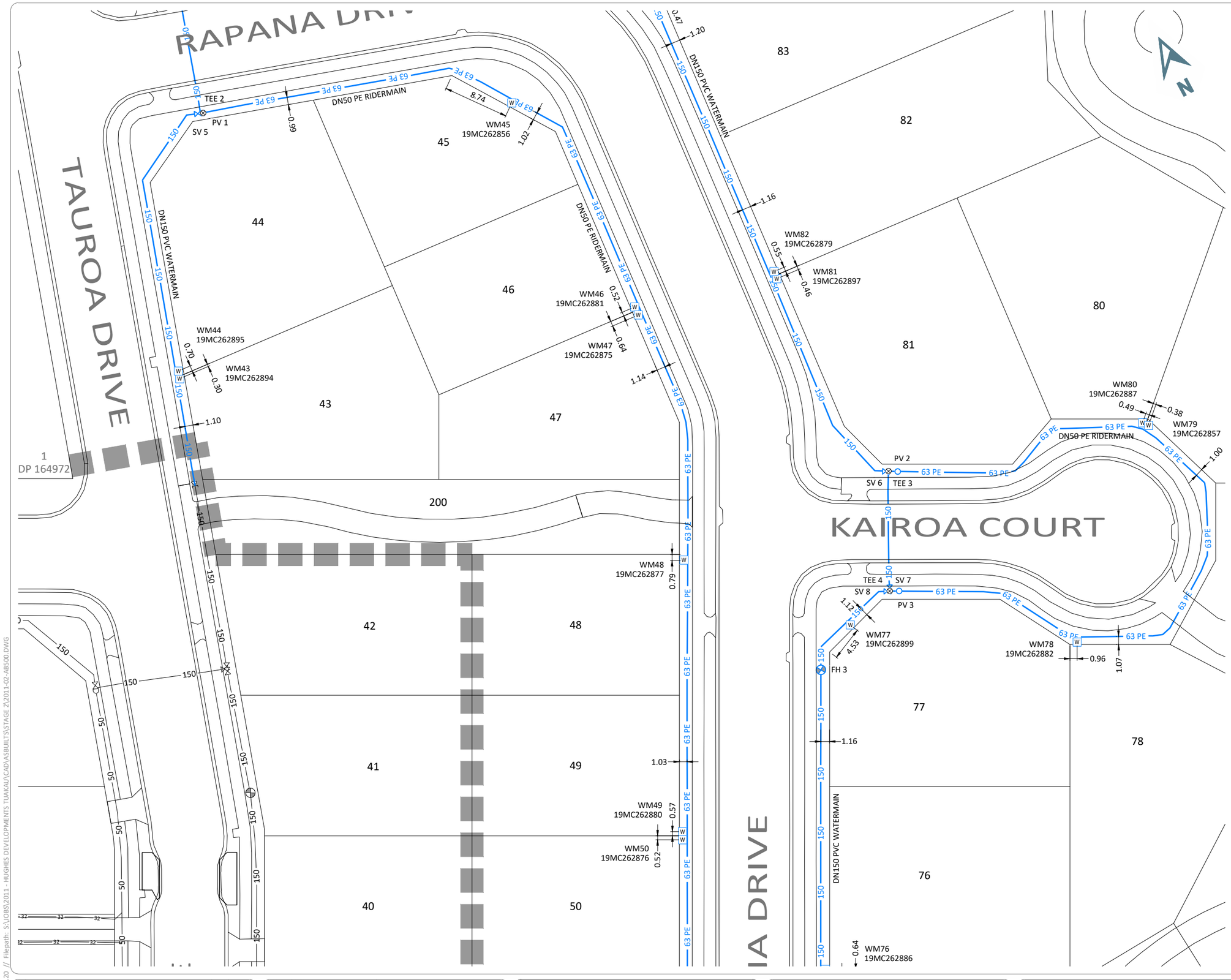
ISSUE STATUS: AS BUILT

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

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

DRAWING NUMBER: 2011-02-AB501 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB500.DWG



LEGEND

EXISTING

(CR)	PLOTTED FROM COUNCIL RECORDS
32	DN32 RIDERMAIN
100	DN100 WATERMAIN
200	DN200 WATERMAIN
	FIRE HYDRANT
	SLUICE VALVE
	PEET VALVE
	BLANK CAP

ASBUILT

32	DN20 PE HOUSE CONNECTION
63 PE	OD63 PE RIDERMAIN
100	DN100 WATERMAIN
150	DN150 WATERMAIN
200	DN200 WATERMAIN
FH	FIRE HYDRANT
SV	SLUICE VALVE
PV	PEET VALVE
BC	BLANK CAP (WITH THRUST BLOCK)
W	WATER METER
	STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946.
3. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.
4. SEE 2011-02-AB504 FOR COORDINATE SCHEDULES.

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

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020		
CHECKED: RJP	DATE: 06.03.20		
APPROVED: RJP	DATE: 06.03.20		

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
WATER SUPPLY ASBUILT PLAN
STAGE 2 - DETAIL SHEET 2
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:250 / 1:500
SCALE BAR 1:500@A3 0 5 10 15 20 25m
DRAWING NUMBER: 2011-02-AB502 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB500.DWG

LEGEND

EXISTING

(CR)	PLOTTED FROM COUNCIL RECORDS
32	DN32 RIDERMAIN
100	DN100 WATERMAIN
200	DN200 WATERMAIN
	FIRE HYDRANT
	SLUICE VALVE
	PEET VALVE
	BLANK CAP

ASBUILT

32	DN20 PE HOUSE CONNECTION
63 PE	OD63 PE RIDERMAIN
100	DN100 WATERMAIN
150	DN150 WATERMAIN
200	DN200 WATERMAIN
FH	FIRE HYDRANT
SV	SLUICE VALVE
PV	PEET VALVE
BC	BLANK CAP (WITH THRUST BLOCK)
W	WATER METER
	STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946.
3. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.
4. SEE 2011-02-AB504 FOR COORDINATE SCHEDULES.

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

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
WATER SUPPLY ASBUILT PLAN
STAGE 2 - DETAIL SHEET 3
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:250 / 1:500
SCALE BAR 1:500@A3 0 5 10 15 20 25m
DRAWING NUMBER: 2011-02-AB503 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB500.DWG

SCHEDULE OF COORDINATES SLUICE VALVES-GD2000		
POINT No.	mE	mN
SV 1	416470.02	757331.79
SV 2	416449.79	757240.64
SV 3	416450.02	757240.20
SV 4	416450.42	757240.44
SV 5	416444.17	757223.50
SV 6	416502.57	757138.35
SV 7	416495.67	757124.36
SV 8	416495.20	757124.17

SCHEDULE OF COORDINATES PEET VALVES-GD2000		
POINT No.	mE	mN
PV 1	416444.81	757223.23
PV 2	416503.92	757137.59
PV 3	416496.58	757123.46

SCHEDULE OF COORDINATES HYDRANTS-GD2000		
POINT No.	mE	mN
FH 1	416469.55	757330.38
FH 2	416471.63	757233.31
FH 3	416482.47	757119.11

SCHEDULE OF COORDINATES BLANK CAP-GD2000		
POINT No.	mE	mN
BC 1	416470.56	757333.22

SCHEDULE OF COORDINATES TEES-GD2000		
POINT No.	mE	mN
TEE 1	416450.08	757240.54
TEE 2	416444.81	757223.23
TEE 3	416502.86	757138.20
TEE 4	416495.48	757124.06

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. LEVELS ARE IN TERMS OF AUCKLAND VERTICAL DATUM 1946.
3. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB500.DWG

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

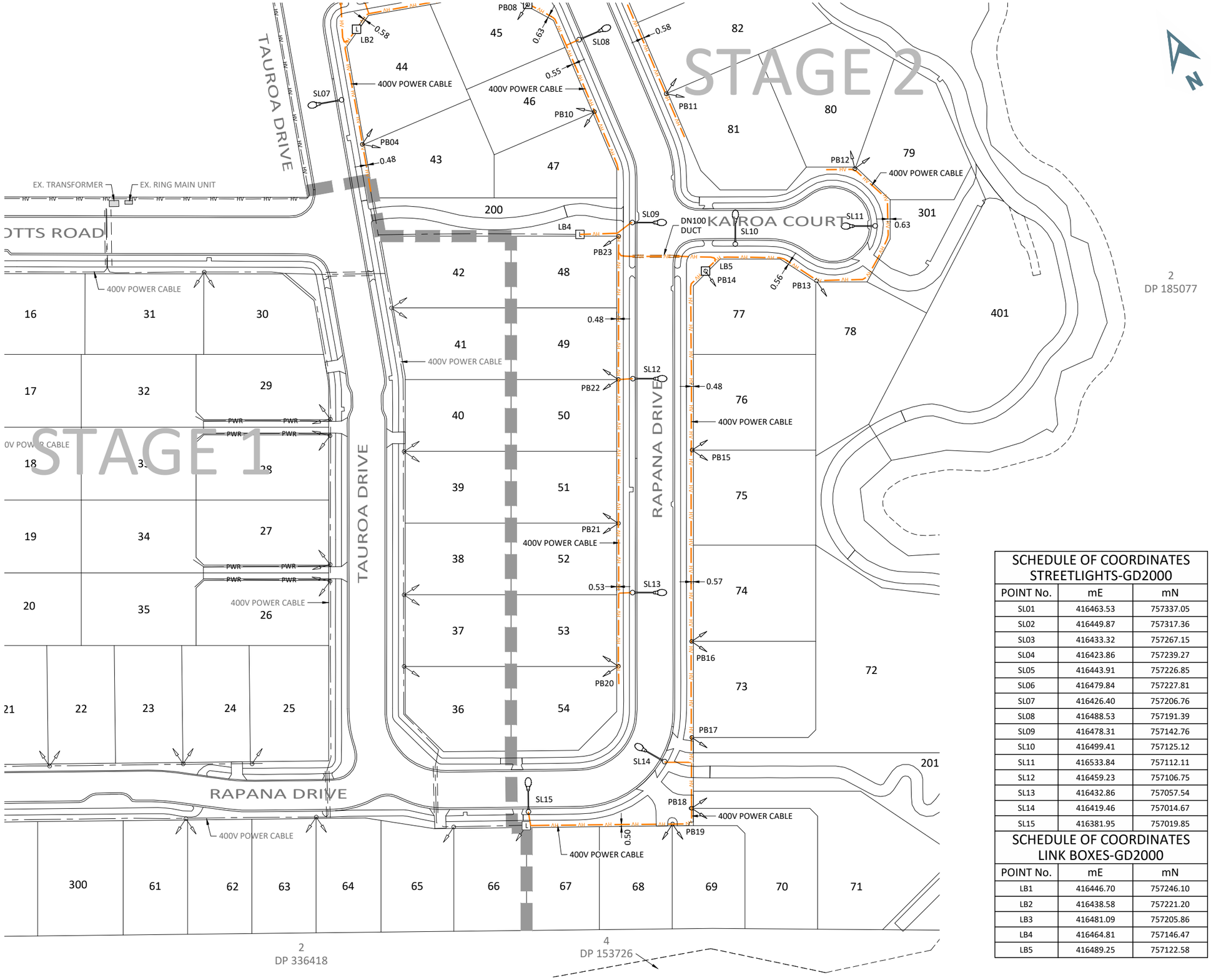
THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
WATER SUPPLY ASBUILT PLAN
STAGE 2 - COORDINATE SCHEDULES
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) NOT TO SCALE
SCALE BAR N.T.S.
DRAWING NUMBER: 2011-02-AB504 REV: A



LEGEND

ASBUILT

- PILLAR BOX
- HV POWER CABLE
- LV POWER CABLE
- HOUSE POWER CABLE
- DN100 PVC DUCT
- STREETLIGHT
- LINK BOX

EXISTING

- PILLAR BOX
- HV POWER CABLE
- LV POWER CABLE
- HOUSE POWER CABLE
- DN100 PVC DUCT
- STREETLIGHT
- LINK BOX
- RING MAIN UNIT
- TRANSFORMER

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

SCHEDULE OF COORDINATES STREETLIGHTS-GD2000

POINT No.	mE	mN
SL01	416463.53	757337.05
SL02	416449.87	757317.36
SL03	416433.32	757267.15
SL04	416423.86	757239.27
SL05	416443.91	757226.85
SL06	416479.84	757227.81
SL07	416426.40	757206.76
SL08	416488.53	757191.39
SL09	416478.31	757142.76
SL10	416499.41	757125.12
SL11	416533.84	757112.11
SL12	416459.23	757106.75
SL13	416432.86	757057.54
SL14	416419.46	757014.67
SL15	416381.95	757019.85

SCHEDULE OF COORDINATES LINK BOXES-GD2000

POINT No.	mE	mN
LB1	416446.70	757246.10
LB2	416438.58	757221.20
LB3	416481.09	757205.86
LB4	416464.81	757146.47
LB5	416489.25	757122.58

SCHEDULE OF COORDINATES PILLAR BOXES-GD2000

POINT No.	mE	mN
PB01	416464.42	757312.73
PB02	416458.88	757295.81
PB03	416447.89	757262.21
PB04	416425.74	757193.96
PB05	416499.21	757292.52
PB06	416492.71	757272.76
PB07	416487.19	757255.77
PB08	416481.09	757205.86
PB09	416505.52	757208.08
PB10	416483.21	757172.94
PB11	416501.98	757168.22
PB12	416536.23	757127.78
PB13	416513.59	757106.66
PB14	416489.25	757122.58
PB15	416464.13	757082.98
PB16	416440.46	757039.00
PB17	416428.71	757016.88
PB18	416419.99	757000.60
PB19	416413.62	756999.32
PB20	416420.54	757042.31
PB21	416438.11	757075.19
PB22	416455.80	757108.32
PB23	416473.50	757141.26

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020		
CHECKED: RJP	DATE: 06.03.20		
APPROVED: RJP	DATE: 06.03.20		

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

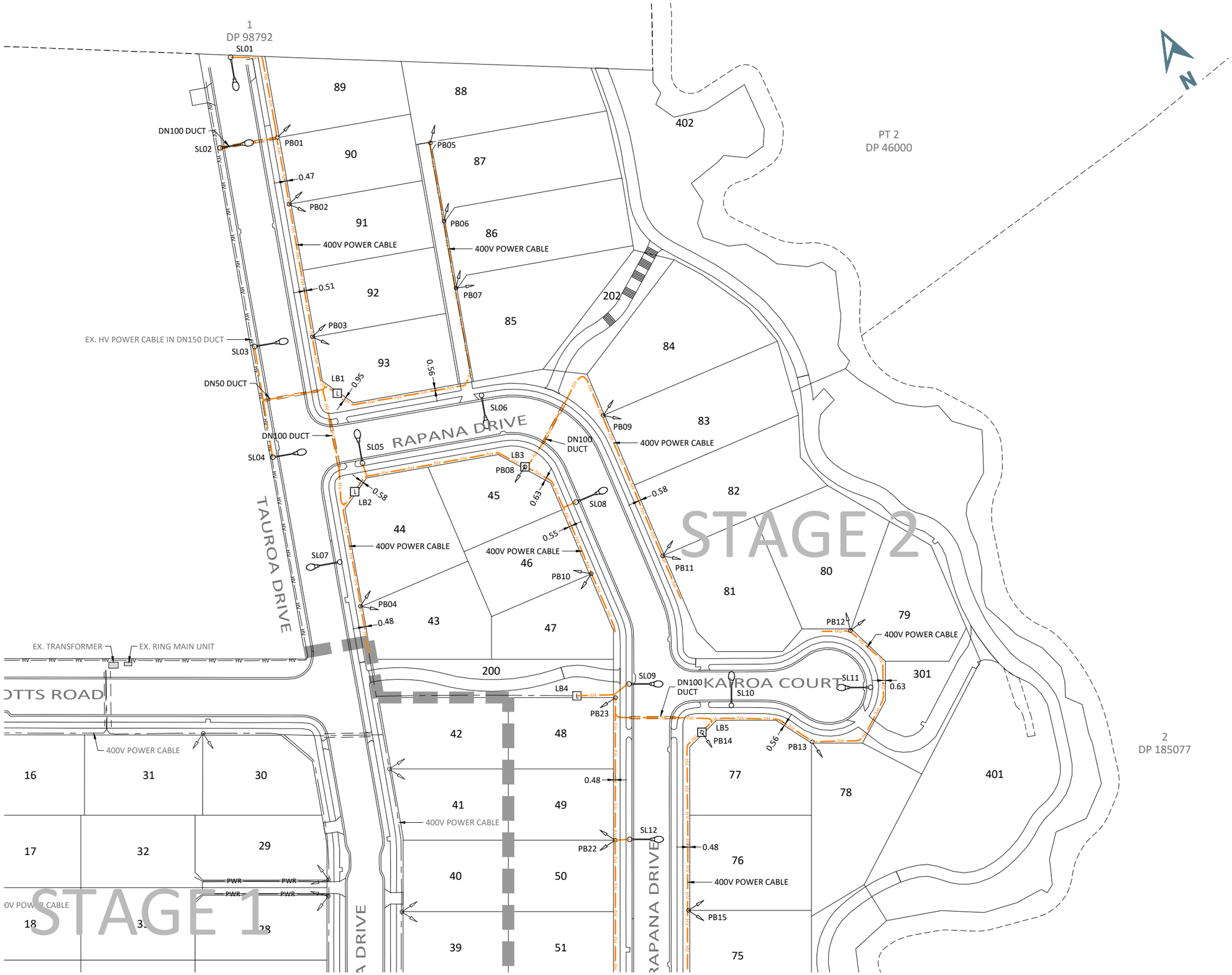
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
POWER SUPPLY ASBUILT PLAN
STAGE 2 - SHEET 1
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:500 / 1:1000
SCALE BAR 1:1000@A3 0 10 20 30 40 50m
DRAWING NUMBER: 2011-02-AB600 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB600.DWG



LEGEND

ASBUILT

- PILLAR BOX
- HV POWER CABLE
- LV POWER CABLE
- HOUSE POWER CABLE
- DN100 PVC DUCT
- STREETLIGHT
- LINK BOX

EXISTING

- PILLAR BOX
- HV POWER CABLE
- LV POWER CABLE
- HOUSE POWER CABLE
- DN100 PVC DUCT
- STREETLIGHT
- LINK BOX
- RING MAIN UNIT
- TRANSFORMER

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.
3. SEE 2011-02-AB600 FOR COORDINATE SCHEDULES.

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

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020
CHECKED: RJP	DATE: 06.03.20
APPROVED: RJP	DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
POWER SUPPLY ASBUILT PLAN
STAGE 2 - SHEET 2
SUB0311/18 & LUC0489/18

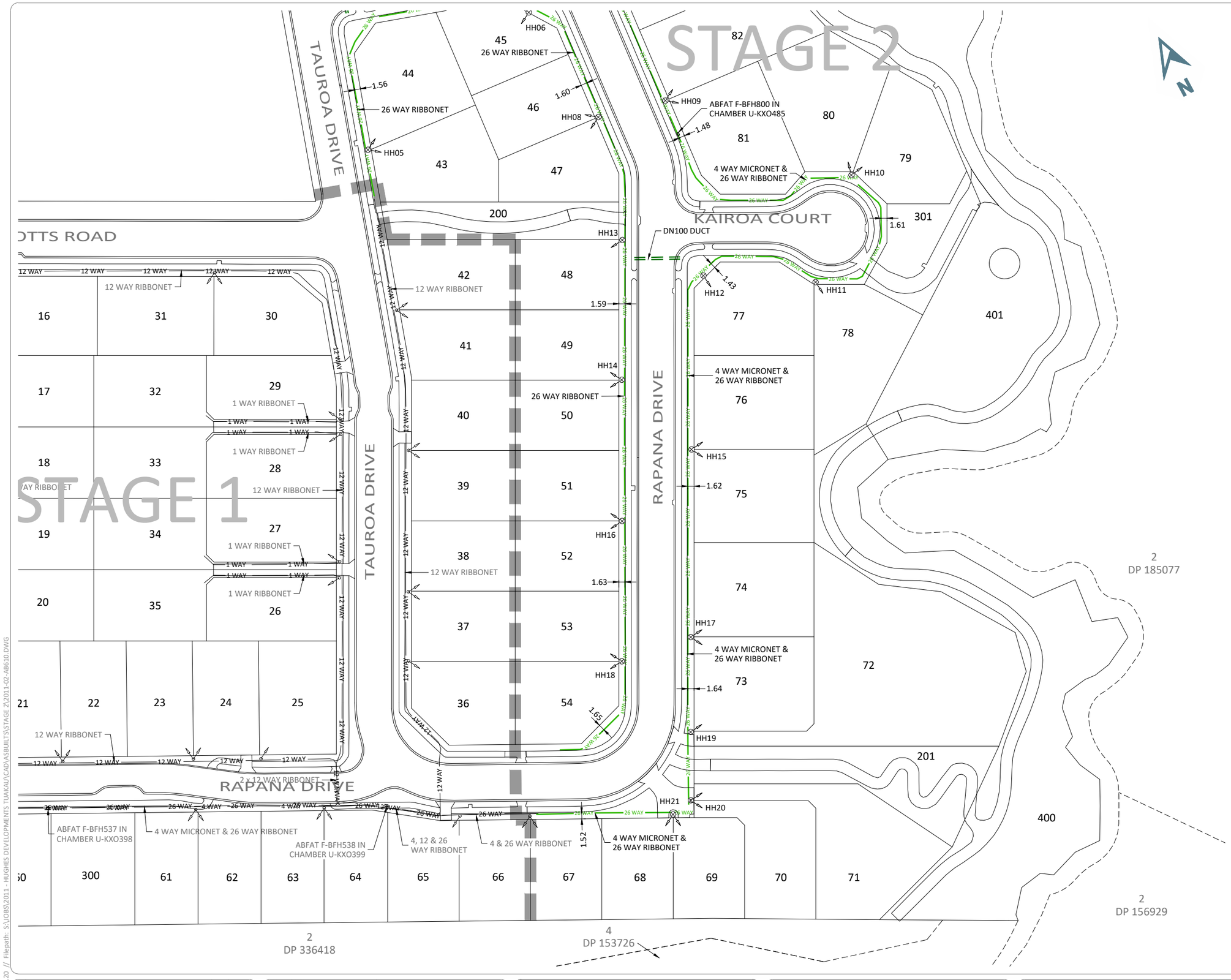
ISSUE STATUS: AS BUILT

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

SCALE BAR 1:1000@A3 0 10 20 30 40 50m

DRAWING NUMBER: 2011-02-AB601 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB600.DWG



LEGEND

ASBUILT

- HANDHOLE & HOUSE LEADS
- 1 WAY — 1 WAY RIBBONET
- 4 WAY — 4 WAY RIBBONET
- 12 WAY — 12 WAY RIBBONET
- 26 WAY — 26 WAY RIBBONET
- 4 WAY MICRONET
- DN100 PVC DUCT

EXISTING

- HANDHOLE & HOUSE LEADS
- 1 WAY — 1 WAY RIBBONET
- 4 WAY — 4 WAY RIBBONET
- 12 WAY — 12 WAY RIBBONET
- 26 WAY — 26 WAY RIBBONET
- 4 WAY MICRONET
- DN100 PVC DUCT
- STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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

RYAN JAMES PITKETHLEY
CMENGNZ CPENG

06.03.2020
DATE

SCHEDULE OF COORDINATES HAND HOLES-GD2000

POINT No.	mE	mN
HH01	416463.61	757313.10
HH02	416458.41	757295.92
HH03	416447.35	757262.49
HH04	416479.20	757231.31
HH05	416425.37	757194.08
HH06	416480.42	757206.17
HH07	416505.03	757208.06
HH08	416483.59	757172.84
HH09	416501.40	757168.31
HH10	416535.77	757127.49
HH11	416513.93	757106.86
HH12	416488.39	757122.44
HH13	416473.81	757140.97
HH14	416456.13	757108.23
HH15	416463.80	757083.13
HH16	416438.53	757075.01
HH17	416440.11	757039.16
HH18	416420.86	757042.14
HH19	416428.19	757016.91
HH20	416419.67	757000.82
HH21	416413.70	756999.75

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP	DATE: 03.2020
CHECKED: RJP	DATE: 06.03.20
APPROVED: RJP	DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

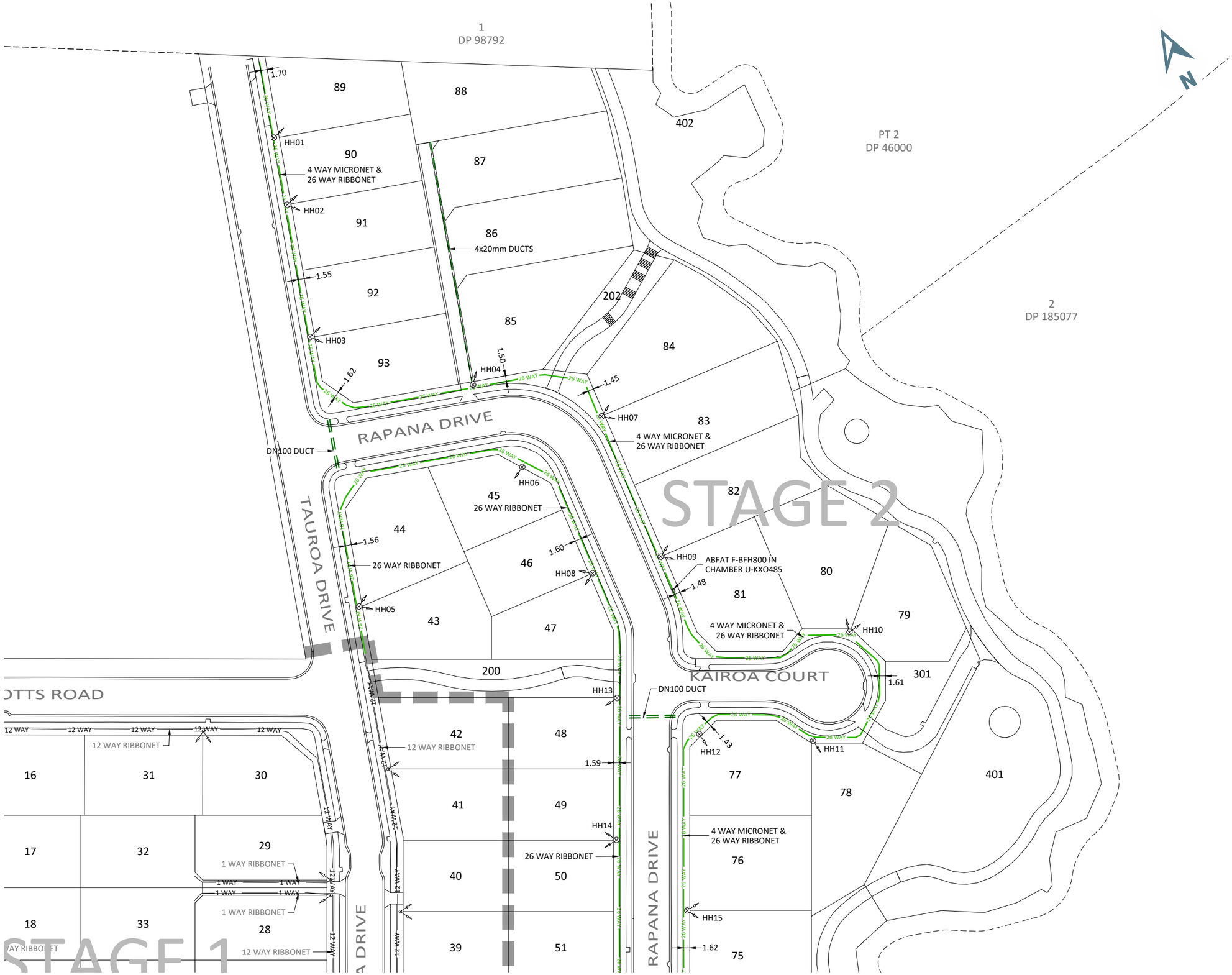
CIVILPLAN CONSULTANTS
Level 9, Laidlaw House, 20 Amersham Way, Manukau, Auckland. Phone: 09 222 2445

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
CHORUS ASBUILT PLAN
STAGE 2 - SHEET 1
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:500 / 1:1000
SCALE BAR 1:1000@A3 0 10 20 30 40 50m
DRAWING NUMBER: 2011-02-AB610 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB610.DWG



LEGEND

ASBUILT

- HANDHOLE & HOUSE LEADS
- 1 WAY — 1 WAY RIBBONET
- 4 WAY — 4 WAY RIBBONET
- 12 WAY — 12 WAY RIBBONET
- 26 WAY — 26 WAY RIBBONET
- 4 WAY MICRONET
- DN100 PVC DUCT

EXISTING

- HANDHOLE & HOUSE LEADS
- 1 WAY — 1 WAY RIBBONET
- 4 WAY — 4 WAY RIBBONET
- 12 WAY — 12 WAY RIBBONET
- 26 WAY — 26 WAY RIBBONET
- 4 WAY MICRONET
- DN100 PVC DUCT
- STAGE BOUNDARY

NOTES

1. COORDINATES ARE IN TERMS OF GD2000 MT EDEN CIRCUIT.
2. CONSTRUCTION WAS UNDERTAKEN IN 2019 AND 2020.

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

RYAN JAMES PITKETHLEY 06.03.2020
CMENGNZ CPENG DATE

SCHEDULE OF COORDINATES HAND HOLES-GD2000

POINT No.	mE	mN
HH01	416463.61	757313.10
HH02	416458.41	757295.92
HH03	416447.35	757262.49
HH04	416479.20	757231.31
HH05	416425.37	757194.08
HH06	416480.42	757206.17
HH07	416505.03	757208.06
HH08	416483.59	757172.84
HH09	416501.40	757168.31
HH10	416535.77	757127.49
HH11	416513.93	757106.86
HH12	416488.39	757122.44
HH13	416473.81	757140.97
HH14	416456.13	757108.23
HH15	416463.80	757083.13
HH16	416438.53	757075.01
HH17	416440.11	757039.16
HH18	416420.86	757042.14
HH19	416428.19	757016.91
HH20	416419.67	757000.82
HH21	416413.70	756999.75

REV	REVISION DETAILS	BY	DATE
A	AS BUILT ISSUE	TRS	06.03.20

DRAWN: DKP DATE: 03.2020
CHECKED: RJP DATE: 06.03.20
APPROVED: RJP DATE: 06.03.20

THIS DRAWING (AND DESIGN) REMAINS THE PROPERTY OF CIVILPLAN CONSULTANTS LIMITED AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT PRIOR AGREEMENT FROM CIVILPLAN CONSULTANTS LIMITED. CIVILPLAN CONSULTANTS LIMITED WILL NOT ACCEPT LIABILITY ARISING FROM UNAUTHORISED USE OF THIS DRAWING.

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

PROJECT TITLE:
HUGHES DEVELOPMENTS LIMITED
99 ESCOTTS ROAD
TUAKAU

SHEET TITLE:
CHORUS ASBUILT PLAN
STAGE 2 - SHEET 2
SUB0311/18 & LUC0489/18

ISSUE STATUS: AS BUILT
SCALE: (A1/A3) 1:500 / 1:1000
SCALE BAR 1:1000@A3 0 10 20 30 40 50m
DRAWING NUMBER: 2011-02-AB611 REV: A

Printed by: RYAN@06.03.20 // Filepath: S:\JOBS\2011 - HUGHES DEVELOPMENTS TUAKAU\CAD\ASBUILTS\STAGE 2\2011-02-AB610.DWG