



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
3. ALL LPS PIPE SHALL BE PE 100 SDR 11 PN 16. .
4. ALL LPS PIPE SIZES ARE OD.
5. LPS LATERALS FROM LPS TANK TO MAIN SHALL BE 40mm OD.
6. LPS LOCATIONS ARE INDICATIVE ONLY.
7. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
8. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
9. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
12. OPTION 1 & OPTION 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

- PROPOSED PRIVATE LPS MAINS (PRIVATE) ————
- PROPOSED LPS ZONE END INDICATOR ●
- PROPOSED LPS ZONE NUMBER 125
- PROPOSED LPS MAIN PIPE DIAMETER Ø125
- STREAM ————
- SETBACK ————
- STAGE BOUNDARY ————
- EXISTING GRAVITY NETWORK (PUBLIC) ————
- PROPOSED GRAVITY NETWORK (PUBLIC) - - - - -
- PROPOSED IRRIGATION DRIP LINE AREAS ■■■■■

STAGE 2

STAGE 1

OPTIONS 1A & 1B:
FUTURE STAGE 2
DEVELOPMENT
LINK CONNECTION
WITH STAGE 1
DEVELOPMENT

LPS FUTURE CONNECTION
TO THE GRAVITY NETWORK
WHEN APPROVAL IS GRANTED
BY WATERCARE TO
ACCEPT THE FLOW.

FUTURE PUBLIC
WASTEWATER
GRAVITY LINE

A VALVE WILL BE INSTALLED
TO FACILITATE THE
EXTENSION OF THE LPS
PIPELINE FOR CONNECTION
TO THE FUTURE GRAVITY
NETWORK WHEN APPROVAL
IS GRANTED BY WATERCARE
TO ACCEPT THE FLOW.

WATER TREATMENT PLANT

OPTIONS 1A & 1B :
LPS TO PRIVATE
WASTEWATER
TREATMENT PLANT FOR
STAGES 1 & 2
DEVELOPMENT

OPTIONS 1A & 1B:
EFFLUENT HOLDING TANK / FILL
POINT STATION FOR TRUCKING

IRRIGATION DRIP LINES
WITHIN THE PROPOSED
3,300m2 REVEGETATION
PLANTING AREA

CLIENT:

PROJECT:

TITLE:

PURPOSE OF ISSUE:



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

OPTIONS 1A & 1B
LOW PRESSURE SYSTEM
WASTEWATER TREATMENT PLANT
OVERALL PLAN

FOR CONSENT

SCALE:
1:6000m @ A3

DO NOT SCALE

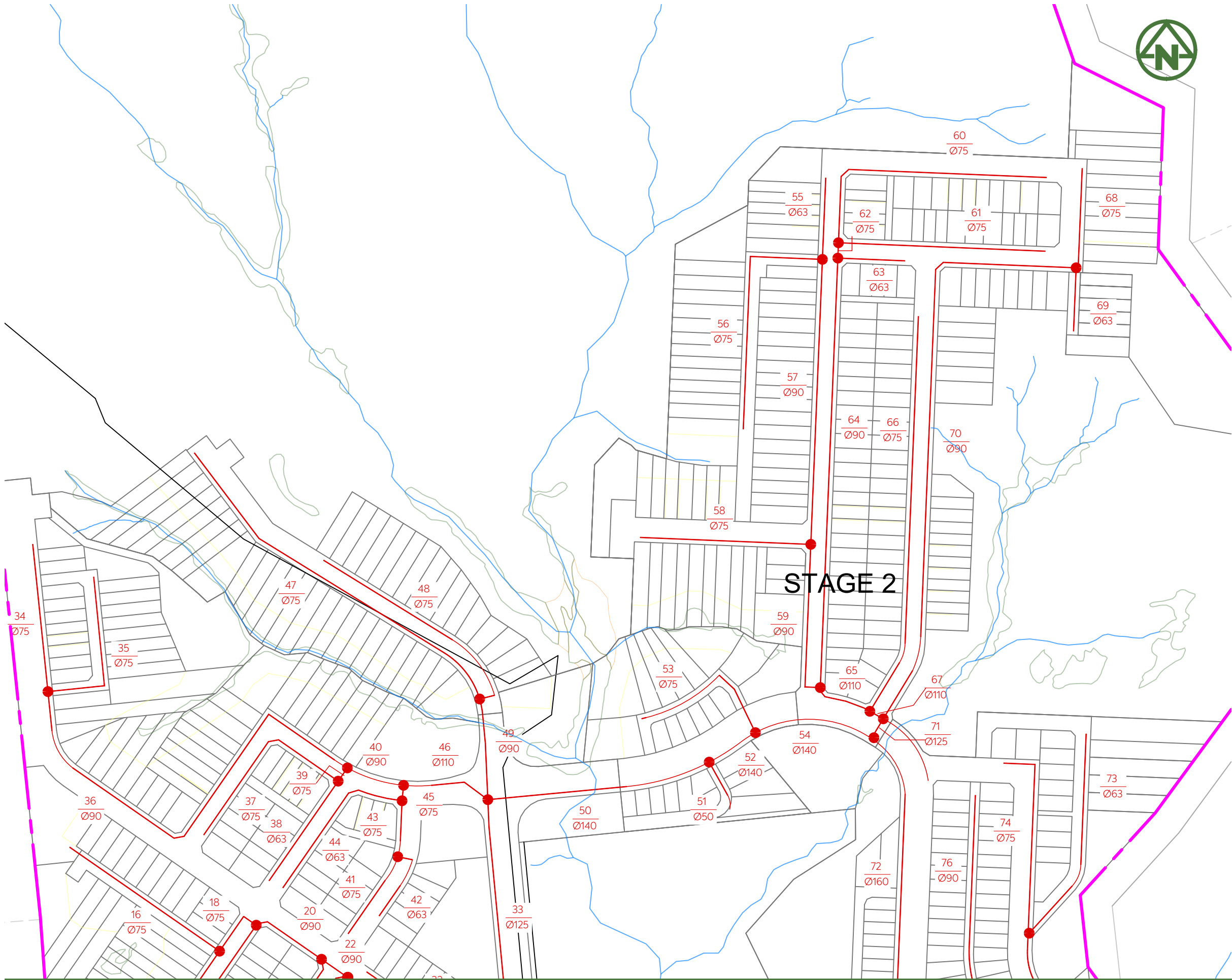
DRAWING NO:

3725-5500

REV:

C

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR CONSENT	RC	LV		17/12/25
A	FOR CONSENT	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
3. ALL LPS PIPE SHALL BE PE 100 SDR 11 PN 16. .
4. ALL LPS PIPE SIZES ARE OD.
5. LPS LATERALS FROM LPS TANK TO MAIN SHALL BE 40mm OD.
6. LPS LOCATIONS ARE INDICATIVE ONLY.
7. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
8. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
9. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
12. OPTION 1 & OPTION 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

PROPOSED PRIVATE LPS MAINS (PRIVATE)	
PROPOSED LPS ZONE END INDICATOR	
PROPOSED LPS ZONE NUMBER	125
PROPOSED LPS MAIN PIPE DIAMETER	Ø125
STREAM	
SETBACK	
STAGE BOUNDARY	
EXISTING GRAVITY NETWORK (PUBLIC)	
PROPOSED GRAVITY NETWORK (PUBLIC)	
PROPOSED IRRIGATION DRIP LINE AREAS	

CLIENT:

PROJECT:

TITLE:

PURPOSE OF ISSUE:

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR CONSENT	RC	LV		17/12/25
A	FOR CONSENT	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

OPTIONS 1A & 1B
LOW PRESSURE SYSTEM
WASTEWATER TREATMENT PLANT
SHEET 1

FOR CONSENT

SCALE:
1:2500m @ A3

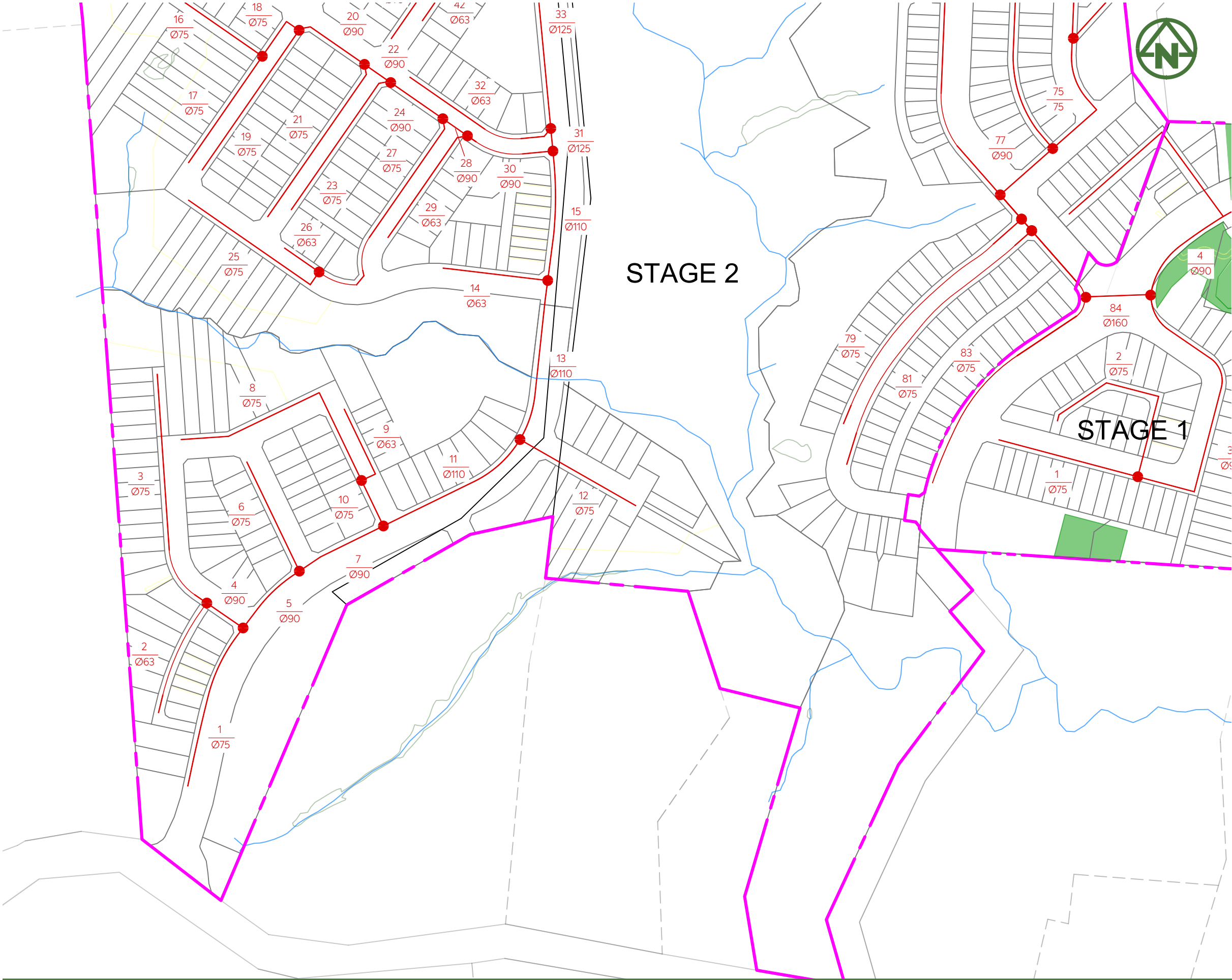
DO NOT SCALE

DRAWING NO:

3725-5501

REV:

C



NOTES:

- 1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
- 2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
- 3. ALL LPS PIPE SHALL BE PE 100 SDR 11 PN 16. .
- 4. ALL LPS PIPE SIZES ARE OD.
- 5. LPS LATERALS FROM LPS TANK TO MAIN SHALL BE 40mm OD.
- 6. LPS LOCATIONS ARE INDICATIVE ONLY.
- 7. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
- 8. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
- 9. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
- 10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
- 11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
- 12. OPTION 1 & OPTION 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

- PROPOSED PRIVATE LPS MAINS (PRIVATE)
- PROPOSED LPS ZONE END INDICATOR
- PROPOSED LPS ZONE NUMBER
- PROPOSED LPS MAIN PIPE DIAMETER
- STREAM
- SETBACK
- STAGE BOUNDARY
- EXISTING GRAVITY NETWORK (PUBLIC)
- PROPOSED GRAVITY NETWORK (PUBLIC)
- PROPOSED IRRIGATION DRIP LINE AREAS

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR CONSENT	RC	LV		17/12/25
A	FOR CONSENT	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

OPTIONS 1A & 1B
LOW PRESSURE SYSTEM
WASTEWATER TREATMENT PLANT
SHEET 2

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:2500m @ A3

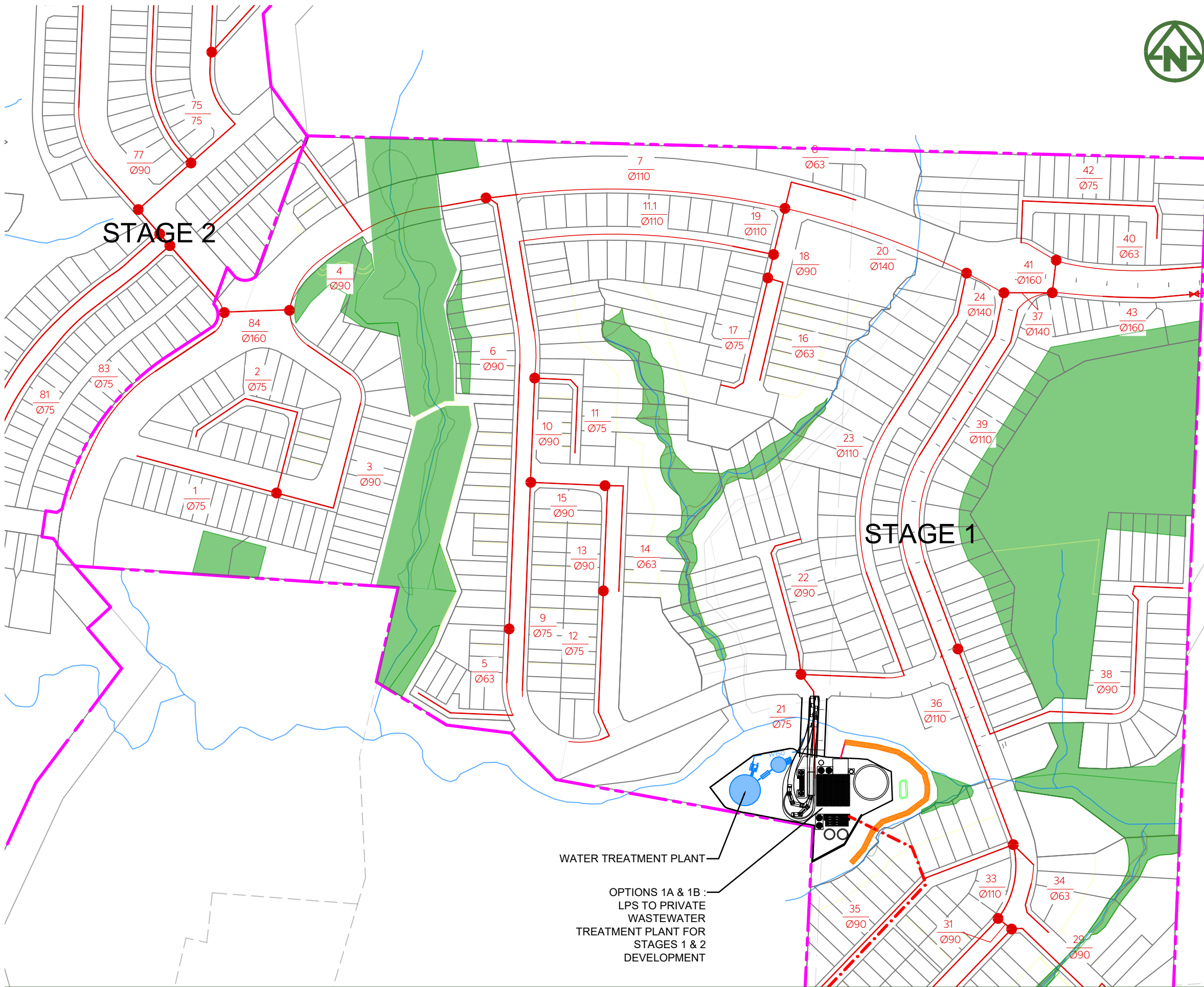
DO NOT SCALE

DRAWING NO:

3725-5502

REV:

C



- NOTES:**
- 1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
 - 2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
 - 3. ALL LPS PIPE SHALL BE PE 100 SDR 11 PN 16. .
 - 4. ALL LPS PIPE SIZES ARE OD.
 - 5. LPS LATERALS FROM LPS TANK TO MAIN SHALL BE 40mm OD.
 - 6. LPS LOCATIONS ARE INDICATIVE ONLY.
 - 7. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
 - 8. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
 - 9. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
 - 10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
 - 11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
 - 12. OPTION 1 & OPTION 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

- LEGEND:**
- PROPOSED PRIVATE LPS MAINS (PRIVATE) —————
 - PROPOSED LPS ZONE END INDICATOR ●
 - PROPOSED LPS ZONE NUMBER 125
 - PROPOSED LPS MAIN PIPE DIAMETER Ø125
 - STREAM —————
 - SETBACK - - - - -
 - STAGE BOUNDARY - - - - -
 - EXISTING GRAVITY NETWORK (PUBLIC) —————
 - PROPOSED GRAVITY NETWORK (PUBLIC) - - - - -
 - PROPOSED IRRIGATION DRIP LINE AREAS ■■■■■

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR CONSENT	RC	LV		17/12/25
A	FOR CONSENT	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



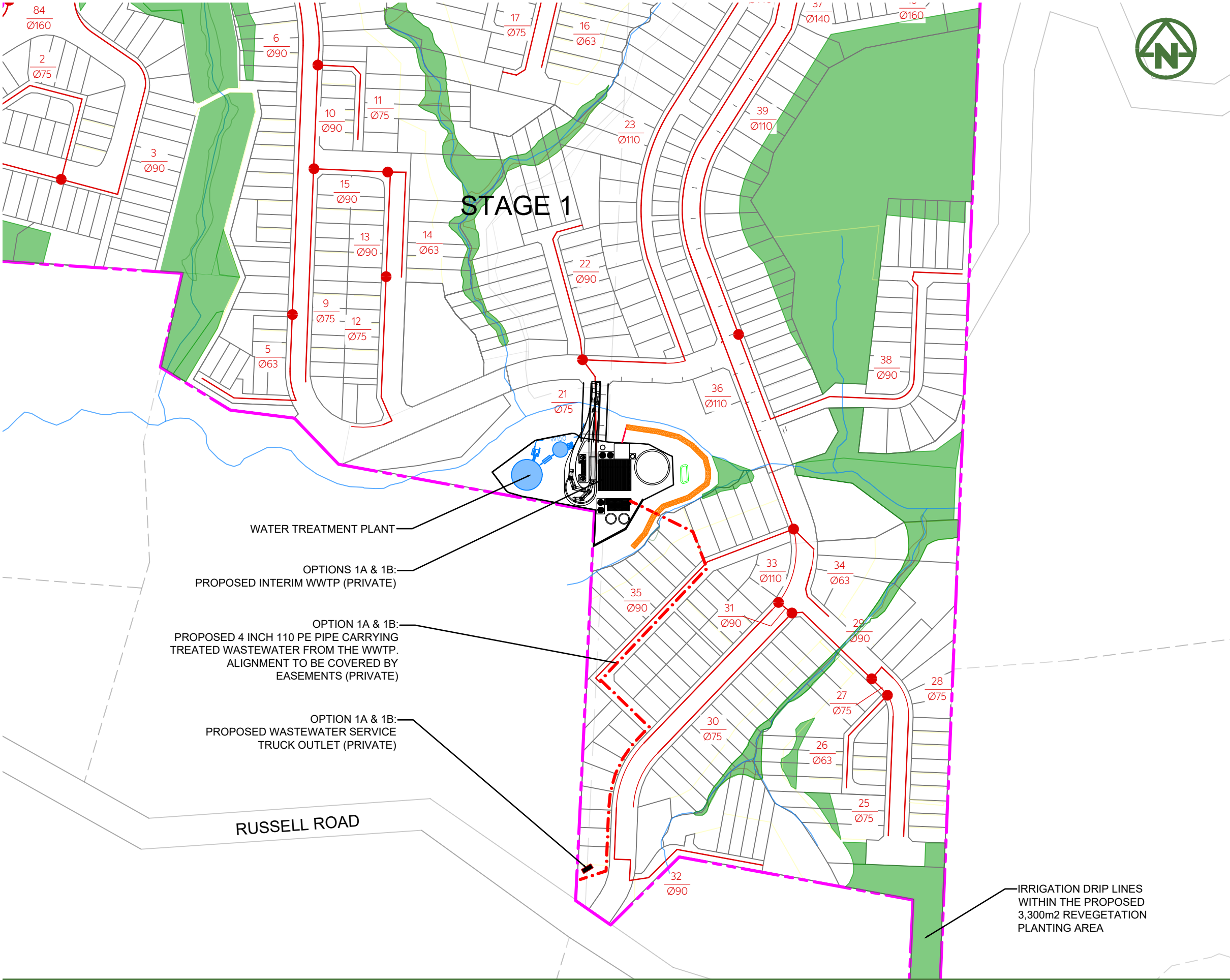
MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

OPTIONS 1A & 1B
LOW PRESSURE SYSTEM
WASTEWATER TREATMENT PLANT
SHEET 3

PURPOSE OF ISSUE:	FOR CONSENT
SCALE:	1:2500m @ A3
DO NOT SCALE	
DRAWING NO:	3725-5503
REV:	C



NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
- ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
- ALL LPS PIPE SHALL BE PE 100 SDR 11 PN 16. .
- ALL LPS PIPE SIZES ARE OD.
- LPS LATERALS FROM LPS TANK TO MAIN SHALL BE 40mm OD.
- LPS LOCATIONS ARE INDICATIVE ONLY.
- ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
- ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
- WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
- THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
- OPTION 1 & OPTION 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

PROPOSED PRIVATE LPS MAINS (PRIVATE)	
PROPOSED LPS ZONE END INDICATOR	
PROPOSED LPS ZONE NUMBER	125
PROPOSED LPS MAIN PIPE DIAMETER	Ø125
STREAM	
SETBACK	
STAGE BOUNDARY	
EXISTING GRAVITY NETWORK (PUBLIC)	
PROPOSED GRAVITY NETWORK (PUBLIC)	
PROPOSED IRRIGATION DRIP LINE AREAS	

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR CONSENT	RC	LV		17/12/25
A	FOR CONSENT	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

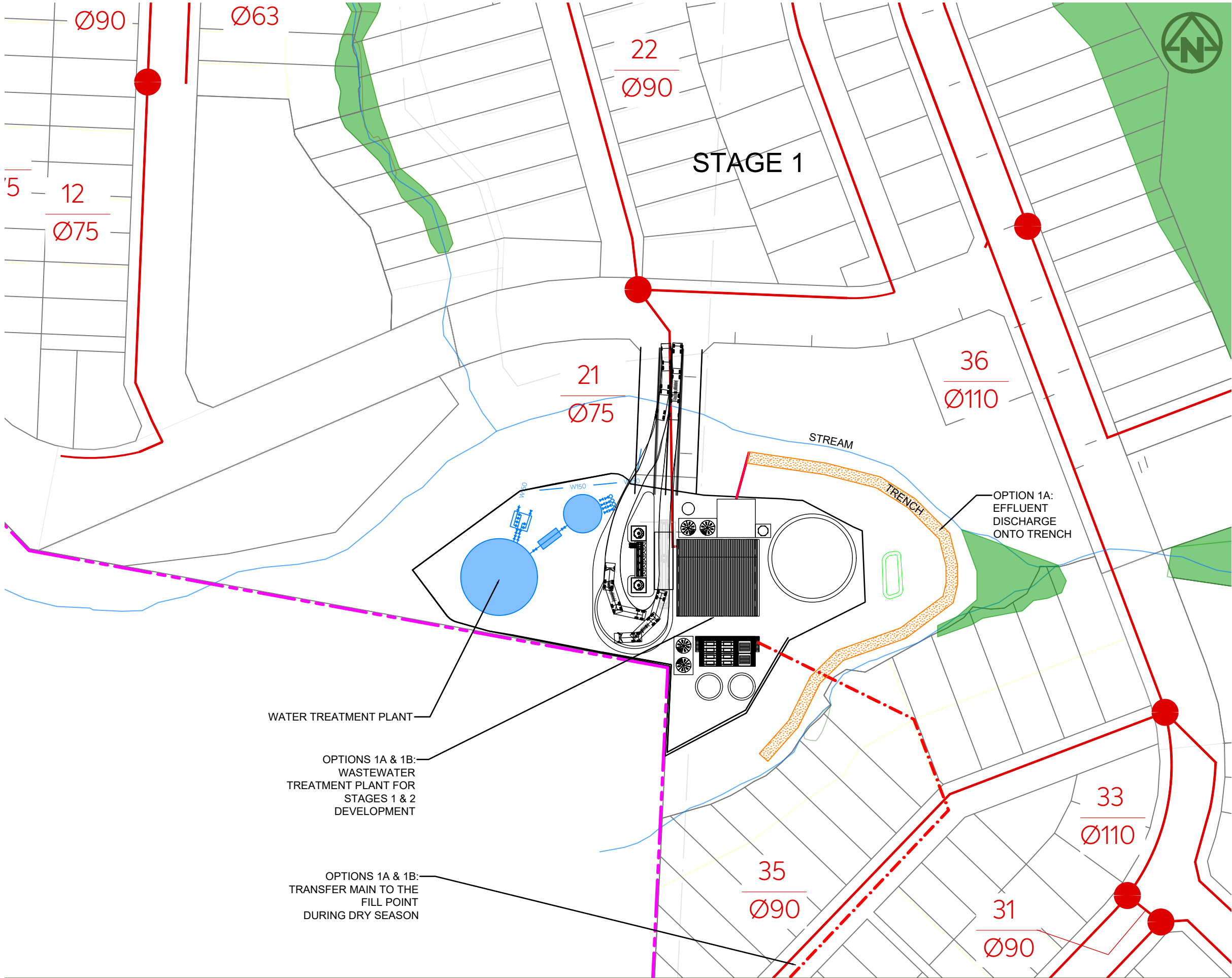
OPTIONS 1A & 1B
LOW PRESSURE SYSTEM
WASTEWATER TREATMENT PLANT
SHEET 4

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:2500m @ A3
DO NOT SCALE

DRAWING NO:
3725-5504

REV:
C



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
3. ALL LPS PIPE SHALL BE PE 100 SDR 11 PN 16. .
4. ALL LPS PIPE SIZES ARE OD.
5. LPS LATERALS FROM LPS TANK TO MAIN SHALL BE 40mm OD.
6. LPS LOCATIONS ARE INDICATIVE ONLY.
7. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
8. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
9. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
12. OPTION 1 & OPTION 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

- PROPOSED PRIVATE LPS MAINS (PRIVATE) ————
- PROPOSED LPS ZONE END INDICATOR ●
- PROPOSED LPS ZONE NUMBER 125
- PROPOSED LPS MAIN PIPE DIAMETER Ø125
- STREAM ————
- SETBACK ————
- STAGE BOUNDARY ————
- EXISTING GRAVITY NETWORK (PUBLIC) ————
- PROPOSED GRAVITY NETWORK (PUBLIC) - - - - -
- PROPOSED IRRIGATION DRIP LINE AREAS ————

CLIENT:

PROJECT:

TITLE:

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

OPTIONS 1A & 1B
LOW PRESSURE SYSTEM
WASTEWATER TREATMENT PLANT
SHEET 5

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:1000m @ A3
DO NOT SCALE

DRAWING NO:
3725-5505

REV:
C

RC LV JK 12/04/26

RC LV JK 17/12/25

RC LV JK 12/12/25

C FOR CONSENT

B FOR CONSENT

A FOR CONSENT

REV DESCRIPTION

DRN BY CHK BY APP BY DATE

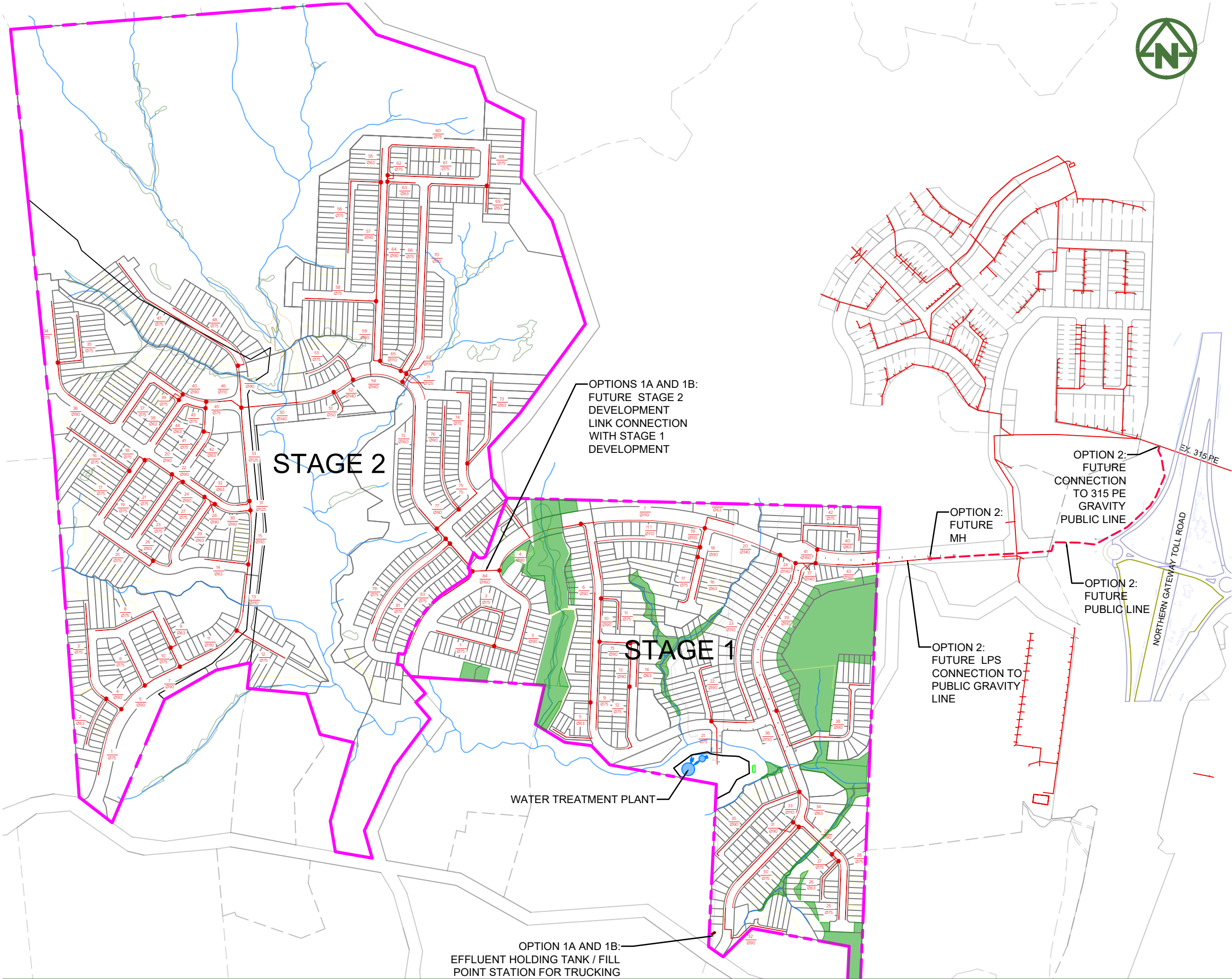
MCKENZIE & CO.

VINEWAY LIMITED

2026-04-12 12:31:06

WWW.MCKENZIEANDCO.CO.NZ

THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
3. ALL LPS PIPE SHALL BE PE 100 SDR 11 PN 16. .
4. ALL LPS PIPE SIZES ARE OD.
5. LPS LATERALS FROM LPS TANK TO MAIN SHALL BE 40mm OD.
6. LPS LOCATIONS ARE INDICATIVE ONLY.
7. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
8. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
9. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
12. OPTION 1 & OPTION 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

PROPOSED PRIVATE LPS MAINS (PRIVATE)	—
PROPOSED LPS ZONE END INDICATOR	●
PROPOSED LPS ZONE NUMBER	125
PROPOSED LPS MAIN PIPE DIAMETER	Ø125
STREAM	—
SETBACK	---
STAGE BOUNDARY	---
EXISTING GRAVITY NETWORK (PUBLIC)	—
PROPOSED GRAVITY NETWORK (PUBLIC)	---
PROPOSED IRRIGATION DRIP LINE AREAS	■

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR CONSENT	RC	LV		17/12/25
A	FOR CONSENT	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

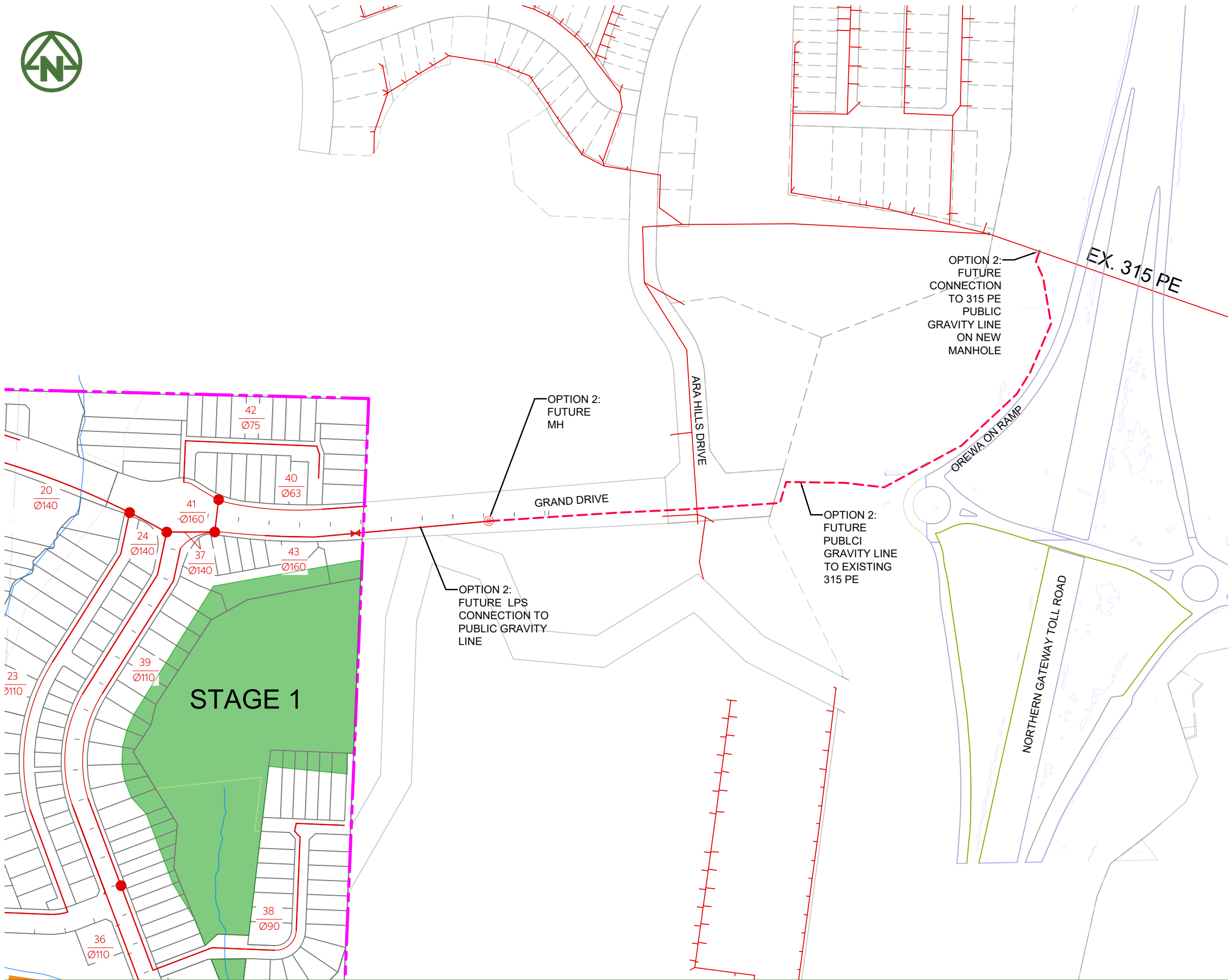
OPTION 2
LPS CONNECTION
TO PUBLIC LINE
SHEET 1

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:6000m @ A3
DO NOT SCALE

DRAWING NO:
3725-5506

REV:
C



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
3. ALL LPS PIPE SHALL BE PE 100 SDR 11 PN 16. .
4. ALL LPS PIPE SIZES ARE OD.
5. LPS LATERALS FROM LPS TANK TO MAIN SHALL BE 40mm OD.
6. LPS LOCATIONS ARE INDICATIVE ONLY.
7. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
8. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
9. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
12. OPTION 1 & OPTION 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

PROPOSED PRIVATE LPS MAINS (PRIVATE)	
PROPOSED LPS ZONE END INDICATOR	
PROPOSED LPS ZONE NUMBER	125
PROPOSED LPS MAIN PIPE DIAMETER	Ø125
STREAM	
SETBACK	
STAGE BOUNDARY	
EXISTING GRAVITY NETWORK (PUBLIC)	
PROPOSED GRAVITY NETWORK (PUBLIC)	
PROPOSED IRRIGATION DRIP LINE AREAS	

CLIENT:

PROJECT:

TITLE:

PURPOSE OF ISSUE:

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR CONSENT	RC	LV	JK	17/12/25
A	FOR CONSENT	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

OPTION 2
LPS CONNECTION
TO PUBLIC LINE
SHEET 2

FOR CONSENT

SCALE:
1:2500m @ A3

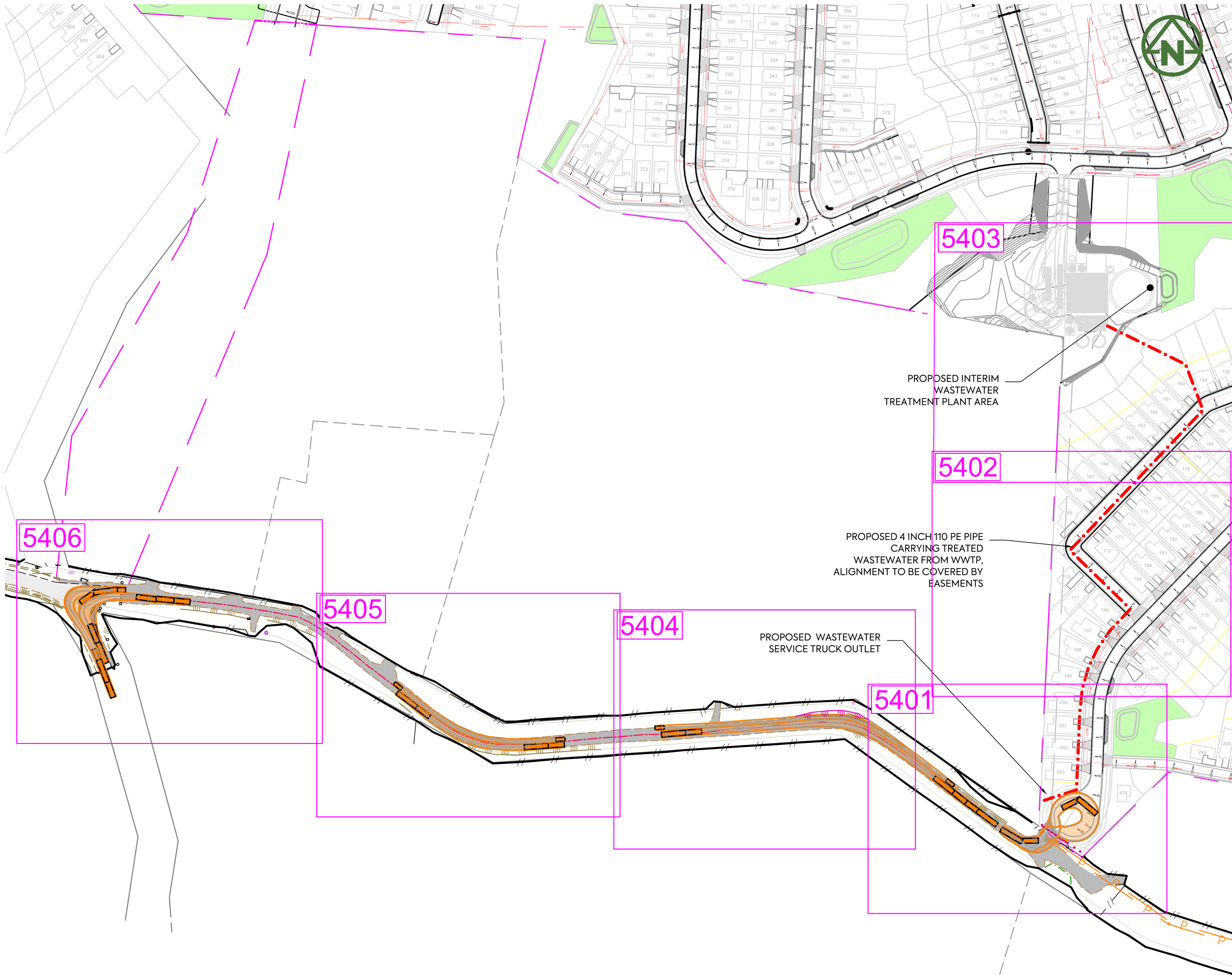
DO NOT SCALE

DRAWING NO:

3725-5507

REV:

C



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
3. ALL WASTEWATER LINES ARE TO BE 150 mm U-PVC PIPE UNLESS SHOWN OTHERWISE.
4. ALL MANHOLES ARE TO BE 1050 mm DIAMETER WITH HEAVY DUTY LIDS AND COVERS UNLESS SHOWN OTHERWISE.
5. BEDDING FOR WASTEWATER PIPES IS TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION.
6. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
7. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
8. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
9. ALL CONNECTIONS ARE TO BE 100 mm DIAMETER U-PVC UNLESS SHOWN OTHERWISE, AND DIMENSIONED FROM THE DOWNSTREAM MANHOLE. ALL LOT CONNECTIONS TO TERMINATE BELOW FINISHED GROUND LEVEL AND STAKED. CONNECTIONS ARE TO BE ASBUILT PRIOR TO TRENCH BACKFILLING.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
12. ALL LATERAL CONNECTIONS TO 1050Ø MANHOLES SHALL NOT BE DROPPER TYPES, AND SHALL CONNECT TO MANHOLE AT LOWEST POSSIBLE LEVEL.

LEGEND:

SITE BOUNDARY	---
WORKS BOUNDARY	- - - -
PROPOSED WASTEWATER	- - - -
PROPOSED WASTEWATER MANHOLE	⊙
PROPOSED WASTEWATER BLANK CAP	⌈
PROPOSED WASTEWATER RAISING MAIN	- - - - -
PROPOSED AND EXISTING STORMWATER	- . - . - .
PROPOSED LOT BOUNDARIES	---
PROPOSED PRIVATE WASTEWATER	⊙

CLIENT:

PROJECT:

TITLE:

PURPOSE OF ISSUE:



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGE 1
53A, 53B & 55 RUSSELL RD
OREWA

WASTEWATER TREATED
DISPOSAL & TRUCK ACCESS
OVERALL PLAN

FOR RESOURCE CONSENT

SCALE:
1:4000m @ A3

DO NOT SCALE

DRAWING NO:

3725-1-1-5400

REV:

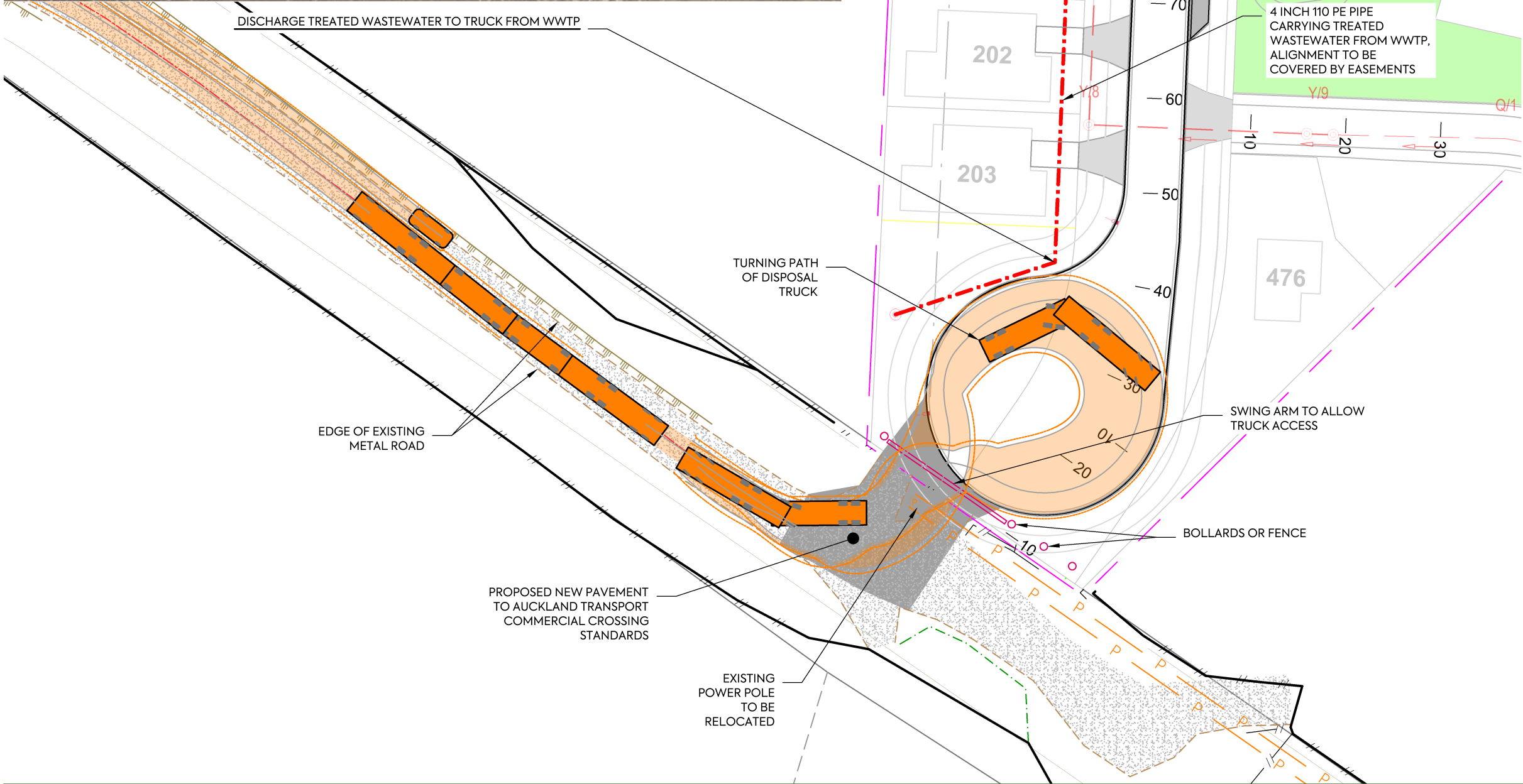
A

A FOR CONSENT

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
-----	-------------	--------	--------	--------	------

PLOT DATE 2025-06-18 14:58:24 WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE

C:\12DS\DATA\MCKFS01\3725-1 DELMORE STAGE 1_5231\06000. ENGINEERING DESIGN\6500. DRAWINGS\5400.DWG



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENTS AND SUBDIVISION.
2. ALL WORKS ON EXISTING WASTEWATER LINES TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT THE DEVELOPER'S EXPENSE.
3. ALL WASTEWATER LINES ARE TO BE 150 mm U-PVC PIPE UNLESS SHOWN OTHERWISE.
4. ALL MANHOLES ARE TO BE 1050 mm DIAMETER WITH HEAVY DUTY LIDS AND COVERS UNLESS SHOWN OTHERWISE.
5. BEDDING FOR WASTEWATER PIPES IS TO COMPLY WITH WATERCARE SERVICES LIMITED'S CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION.
6. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/TRAFFIC AREAS TO BE HARDFILL BACKFILLED 1.0 m BEYOND THE EXTENT OF THE CARRIAGEWAY.
7. ALL PIPE CROSSOVERS ARE TO BE HARDFILLED BACKFILLED 1.0 m EITHER SIDE OF THE CROSSOVER.
8. WHERE CROSSOVERS BETWEEN PIPELINES IS LESS THAN 150 mm, THE GAP IS TO BE POLYSTYRENE PACKED, IN ADDITION TO HARDFILLING CROSSOVERS.
9. ALL CONNECTIONS ARE TO BE 100 mm DIAMETER U-PVC UNLESS SHOWN OTHERWISE, AND DIMENSIONED FROM THE DOWNSTREAM MANHOLE. ALL LOT CONNECTIONS TO TERMINATE BELOW FINISHED GROUND LEVEL AND STAKED. CONNECTIONS ARE TO BE ASBUILT PRIOR TO TRENCH BACKFILLING.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND ACCURATELY CONFIRM INVERT AND LID LEVELS OF EXISTING STORMWATER AND WASTEWATER MANHOLES PRIOR TO COMMENCING CONSTRUCTION. WHERE LEVELS DIFFER TO THOSE SHOWN THE CONTRACTOR SHALL ADVISE THE ENGINEER ACCORDINGLY.
11. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING SERVICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND PROTECT ALL EXISTING SERVICES DURING THE CONSTRUCTION PERIOD.
12. ALL LATERAL CONNECTIONS TO 1050Ø MANHOLES SHALL NOT BE DROPPER TYPES, AND SHALL CONNECT TO MANHOLE AT LOWEST POSSIBLE LEVEL.

LEGEND:

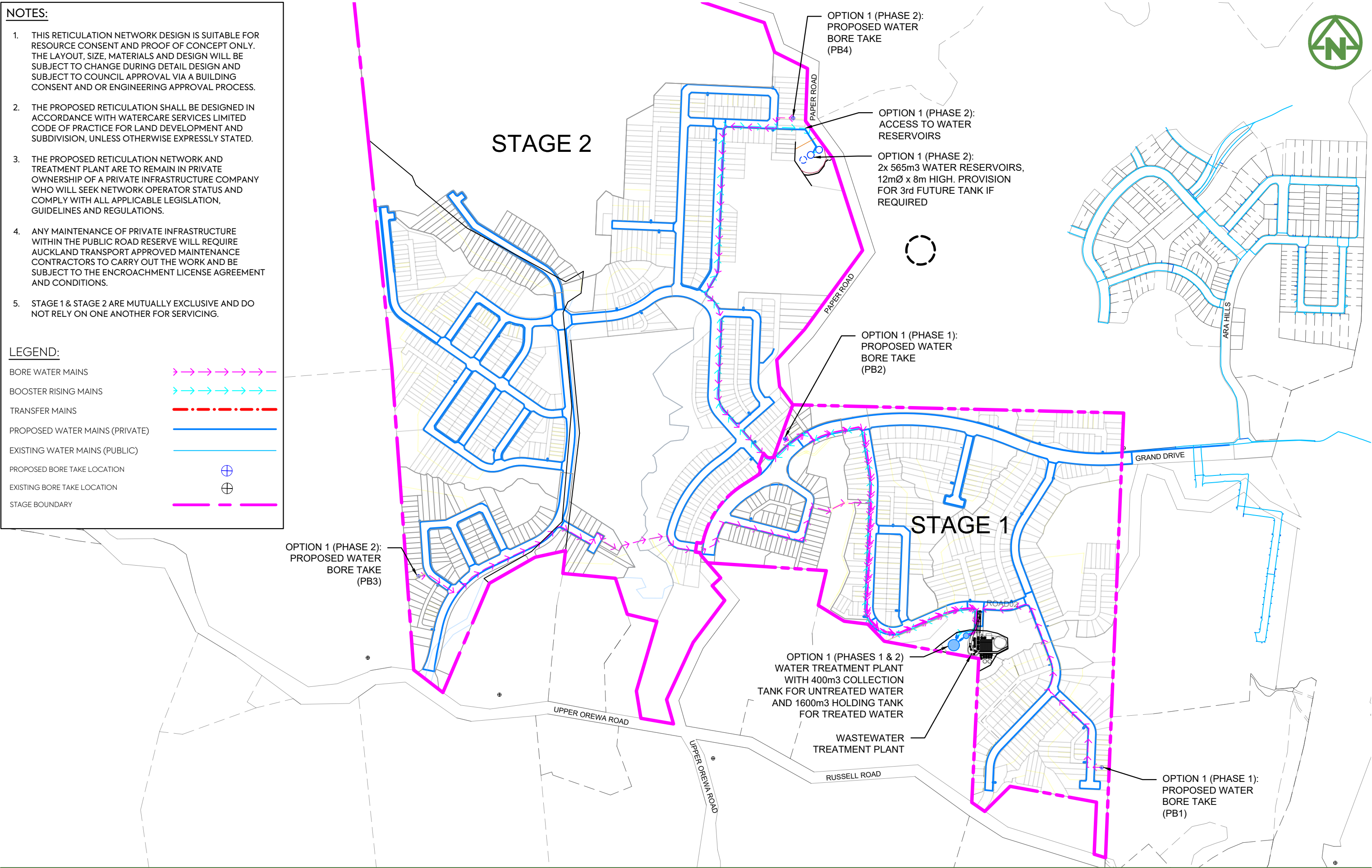
SITE BOUNDARY	---
WORKS BOUNDARY	---
PROPOSED WASTEWATER	---
PROPOSED WASTEWATER MANHOLE	⊙
PROPOSED WASTEWATER BLANK CAP	⌈
PROPOSED WASTEWATER RAISING MAIN	--- ---
PROPOSED AND EXISTING STORMWATER	---
PROPOSED LOT BOUNDARIES	---
PROPOSED PRIVATE WASTEWATER	⊙

NOTES:

1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
5. STAGE 1 & STAGE 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

BORE WATER MAINS	
BOOSTER RISING MAINS	
TRANSFER MAINS	
PROPOSED WATER MAINS (PRIVATE)	
EXISTING WATER MAINS (PUBLIC)	
PROPOSED BORE TAKE LOCATION	
EXISTING BORE TAKE LOCATION	
STAGE BOUNDARY	



C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR INFORMATION	RC	LV		17/12/25
A	FIRST ISSUE	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGES 1 & 2
53A, 53B & 55 RUSSELL RD
OREWA

OPTION 1 (PHASES 1 & 2)
WATER BORE NETWORK
PLAN
OVERALL

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1 : 6000
DO NOT SCALE

DRAWING NO:
3725-6500

REV:
C

1. THIS RETICULATION NETWORK IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
5. STAGE 1 & STAGE 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

BORE WATER MAINS	
BOOSTER RISING MAINS	
TRANSFER MAINS	
PROPOSED WATER MAINS (PRIVATE)	
EXISTING WATER MAINS (PUBLIC)	
PROPOSED BORE TAKE LOCATION	
EXISTING BORE TAKE LOCATION	
STAGE BOUNDARY	

STAGE 2

OPTION 1 (PHASE 2):
100mmØ RISING MAIN FROM
THE TREATMENT PLANT
TO THE RESERVOIR

OPTION 1 (PHASE 2):
PROPOSED WATER
BORE TAKE
(PB4)

OPTION 1 (PHASE 2): -
2x 565m3 WATER RESERVOIRS,
12mØ x 8m HIGH. PROVISION
FOR 3rd FUTURE TANK IF
REQUIRED

CLIENT:

PROJECT:

TITLE:

PURPOSE OF ISSUE:

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR INFORMATION	RC	LV		17/12/25
A	FIRST ISSUE	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGES 1 & 2
53A, 53B & 55 RUSSELL RD
OREWA

OPTION 1 (PHASES 1 & 2)
WATER BORE NETWORK
PLAN
SHEET 1

FOR CONSENT

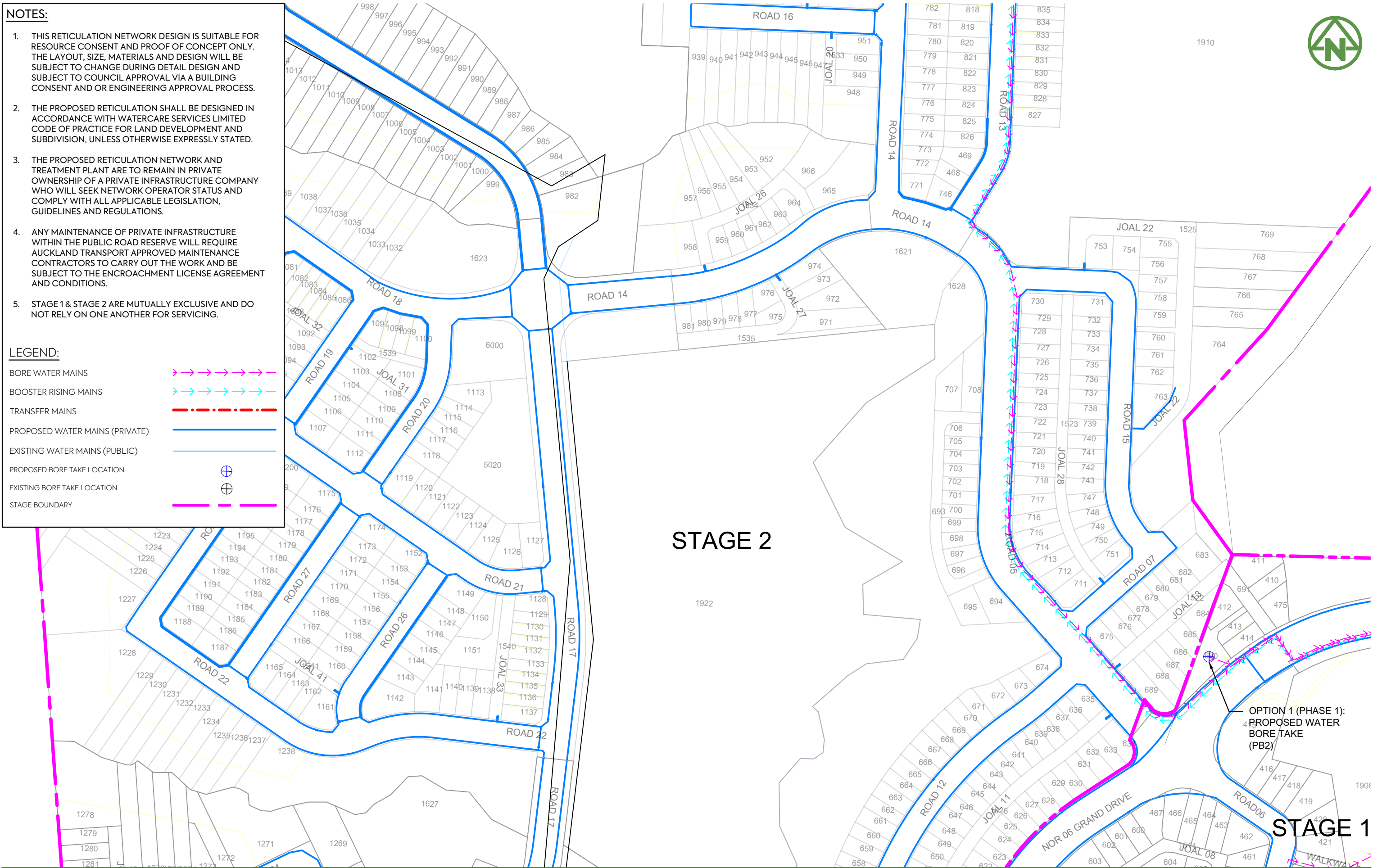
SCALE:
1 : 2000
DO NOT SCALE

DRAWING NO:
3725-6501

EV:
C

1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
5. STAGE 1 & STAGE 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

BORE WATER MAINS	
BOOSTER RISING MAINS	
TRANSFER MAINS	
PROPOSED WATER MAINS (PRIVATE)	
EXISTING WATER MAINS (PUBLIC)	
PROPOSED BORE TAKE LOCATION	
EXISTING BORE TAKE LOCATION	
STAGE BOUNDARY	



PURPOSE OF ISSUE:

C	FOR CONSENT	RC	LV	JK	12/04/20
B	FOR INFORMATION	RC	LV		17/12/20
A	FIRST ISSUE	RC	LV	JK	12/12/20
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



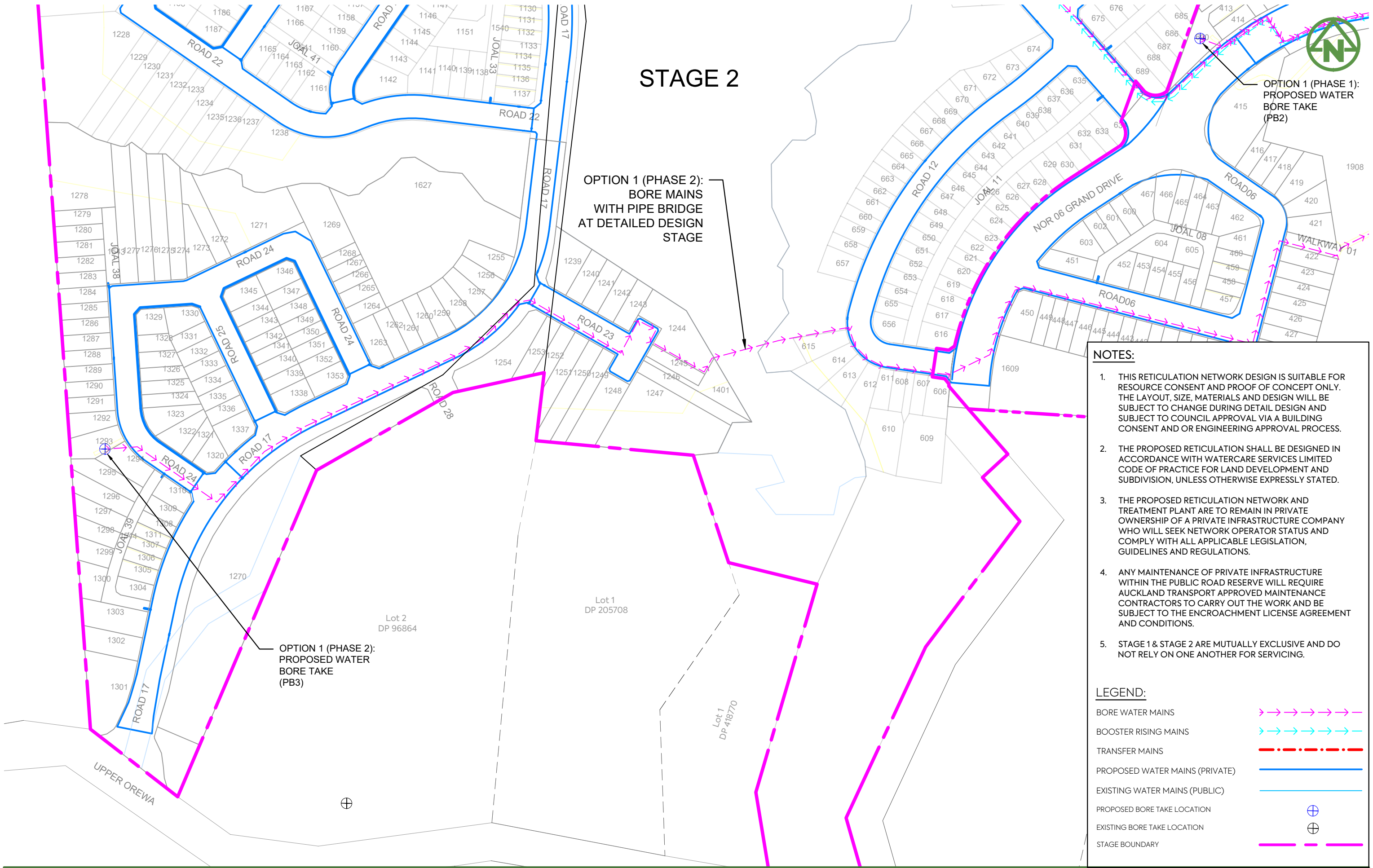
MCKENZIE & CO.

DELMORE
STAGES 1 & 2
53A, 53B & 55 RUSSELL RD
OREWA

OPTION 1 (PHASES 1 & 2)
WATER BORE NETWORK
PLAN
SHEET 2

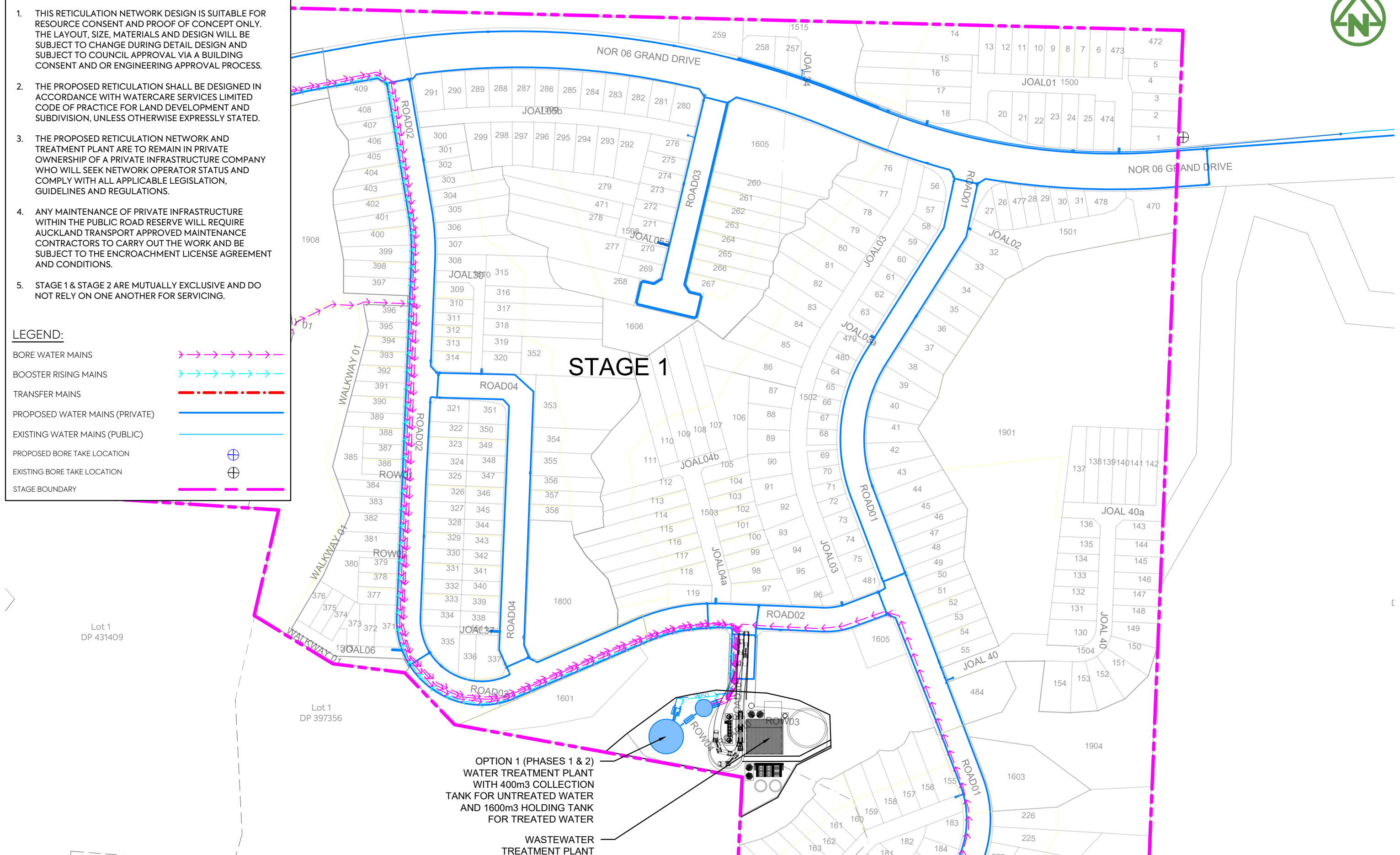
SCALE:
1 : 2000
DO NOT SCALE

DRAWING NO: 3725-6502 REV: C



1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
5. STAGE 1 & STAGE 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

BORE WATER MAINS	
BOOSTER RISING MAINS	
TRANSFER MAINS	
PROPOSED WATER MAINS (PRIVATE)	
EXISTING WATER MAINS (PUBLIC)	
PROPOSED BORE TAKE LOCATION	
EXISTING BORE TAKE LOCATION	
STAGE BOUNDARY	



PURPOSE OF ISSUE:

SCALE:
1 : 2000
DO NOT SCALE

REV:
C

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR INFORMATION	RC	LV		17/12/25
A	FIRST ISSUE	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

DELMORE
STAGES 1 & 2
53A, 53B & 55 RUSSELL RD
OREWA

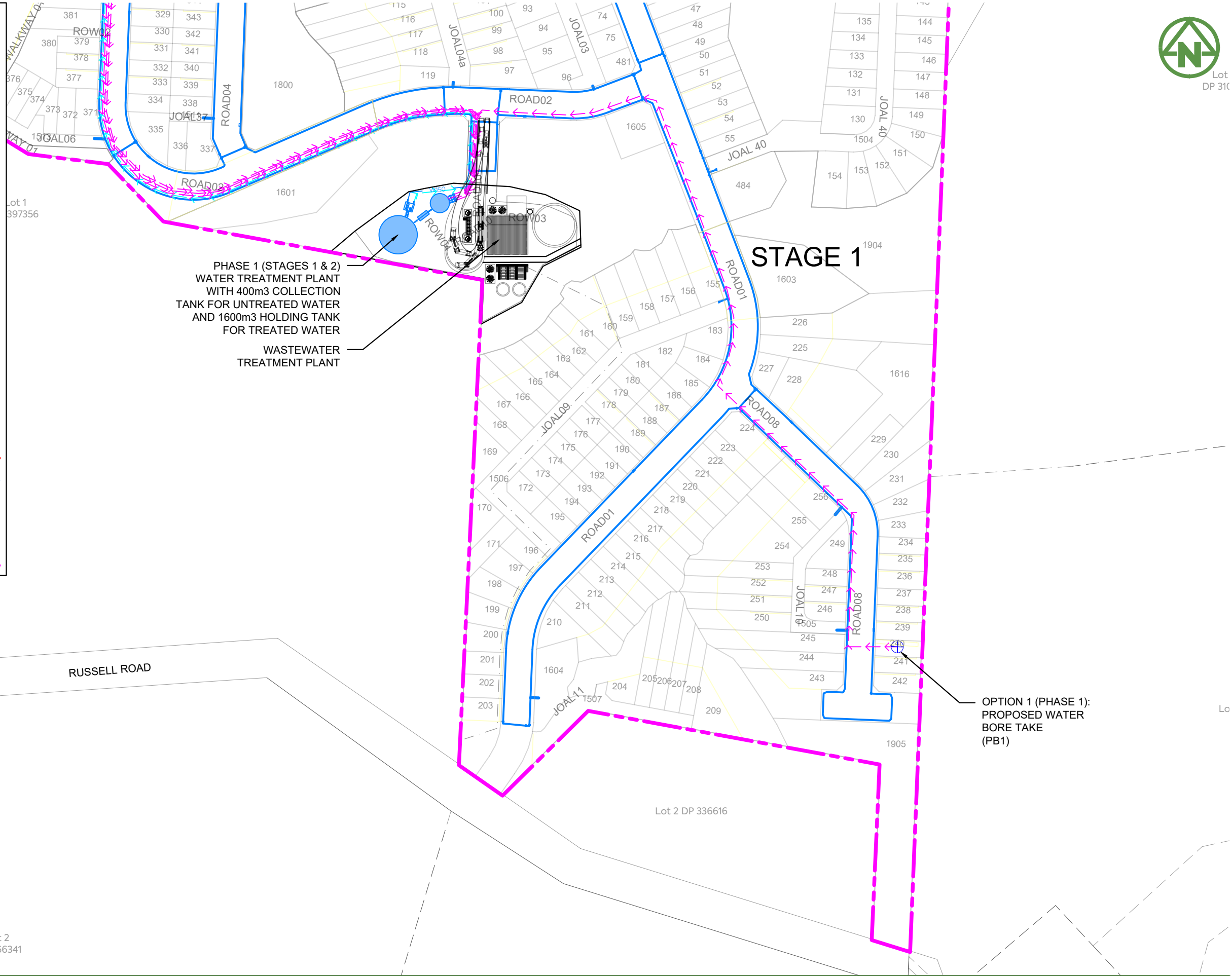
OPTION 1 (PHASES 1 & 2)
WATER BORE NETWORK
PLAN
SHEET 4

NOTES:

1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
5. STAGE 1 & STAGE 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

BORE WATER MAINS	→ → → → → → → →
BOOSTER RISING MAINS	→ → → → → → → →
TRANSFER MAINS	— . — . — . — . — . — . — .
PROPOSED WATER MAINS (PRIVATE)	—————
EXISTING WATER MAINS (PUBLIC)	—————
PROPOSED BORE TAKE LOCATION	⊕
EXISTING BORE TAKE LOCATION	⊕
STAGE BOUNDARY	——— ——— ———



C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR INFORMATION	RC	LV		17/12/25
A	FIRST ISSUE	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGES 1 & 2
53A, 53B & 55 RUSSELL RD
OREWA

OPTION 1 (PHASES 1 & 2)
WATER BORE NETWORK
PLAN
SHEET 5

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1 : 2000
DO NOT SCALE

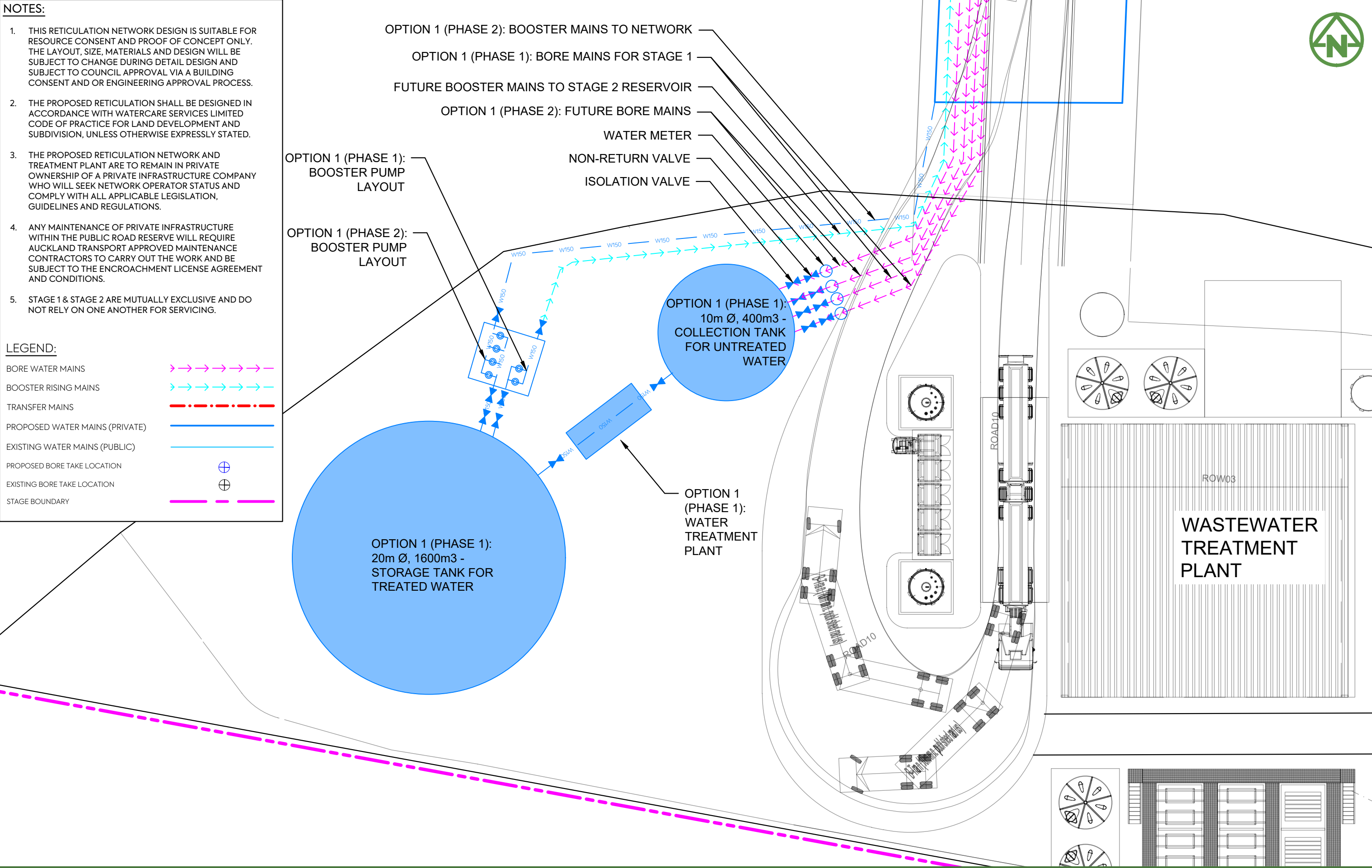
DRAWING NO:
3725-6505

REV:
C

- NOTES:
1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
 2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
 3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
 4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
 5. STAGE 1 & STAGE 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

BORE WATER MAINS	
BOOSTER RISING MAINS	
TRANSFER MAINS	
PROPOSED WATER MAINS (PRIVATE)	
EXISTING WATER MAINS (PUBLIC)	
PROPOSED BORE TAKE LOCATION	
EXISTING BORE TAKE LOCATION	
STAGE BOUNDARY	



NOTES:

1. THIS RETICULATION NETWORK DESIGN IS SUITABLE FOR RESOURCE CONSENT AND PROOF OF CONCEPT ONLY. THE LAYOUT, SIZE, MATERIALS AND DESIGN WILL BE SUBJECT TO CHANGE DURING DETAIL DESIGN AND SUBJECT TO COUNCIL APPROVAL VIA A BUILDING CONSENT AND OR ENGINEERING APPROVAL PROCESS.
2. THE PROPOSED RETICULATION SHALL BE DESIGNED IN ACCORDANCE WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE FOR LAND DEVELOPMENT AND SUBDIVISION, UNLESS OTHERWISE EXPRESSLY STATED.
3. THE PROPOSED RETICULATION NETWORK AND TREATMENT PLANT ARE TO REMAIN IN PRIVATE OWNERSHIP OF A PRIVATE INFRASTRUCTURE COMPANY WHO WILL SEEK NETWORK OPERATOR STATUS AND COMPLY WITH ALL APPLICABLE LEGISLATION, GUIDELINES AND REGULATIONS.
4. ANY MAINTENANCE OF PRIVATE INFRASTRUCTURE WITHIN THE PUBLIC ROAD RESERVE WILL REQUIRE AUCKLAND TRANSPORT APPROVED MAINTENANCE CONTRACTORS TO CARRY OUT THE WORK AND BE SUBJECT TO THE ENCROACHMENT LICENSE AGREEMENT AND CONDITIONS.
5. STAGE 1 & STAGE 2 ARE MUTUALLY EXCLUSIVE AND DO NOT RELY ON ONE ANOTHER FOR SERVICING.

LEGEND:

BORE WATER MAINS	
BOOSTER RISING MAINS	
TRANSFER MAINS	
PROPOSED WATER MAINS (PRIVATE)	
EXISTING WATER MAINS (PUBLIC)	
PROPOSED BORE TAKE LOCATION	
EXISTING BORE TAKE LOCATION	
STAGE BOUNDARY	

Part Allot 342
PSH OF Waiwera

Part Allot 74
PSH OF Waiwera

Part Allot 74
PSH OF Waiwera

ot 2
96864

Lot 1
DP 205708

Lot 1
DP 418770

Lot 1
DP 431409

Lot 2
DP 431409

Lot 1
DP 397356

STAGE 1

ROAD02

Lot 1
DP 310813

- POTENTIAL GRAVITY FEED TO STAGE 2 - ALIGNMENT TO BE AGREED

– INDICATIVE LOCATION
OF FUTURE RESERVOIR

- POTENTIAL GRAVITY FEED TO STAGE 1 - ALIGNMENT TO BE AGREED

Lot 1001
DP 582417

GRAND DRIVE

CLIENT:

PROJECT:

TITLE:

PURPOSE OF ISSUE:

FOR CONSENT

SCALE:
1 : 5000
DO NOT SCALE

DRAWING NO:
3725-6507

C

C	FOR CONSENT	RC	LV	JK	12/04/26
B	FOR INFORMATION	RC	LV		17/12/25
A	FIRST ISSUE	RC	LV	JK	12/12/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
STAGES 1 & 2
53A, 53B & 55 RUSSELL RD
OREWA

OPTION 2 (PHASE 2)
CONNECTION TO PUBLIC
WATERMAIN NETWORK
PLAN