

Appendix D

Revised engineering plans

MT IRON JUNCTION - CONSENT ENGINEERING DESIGN

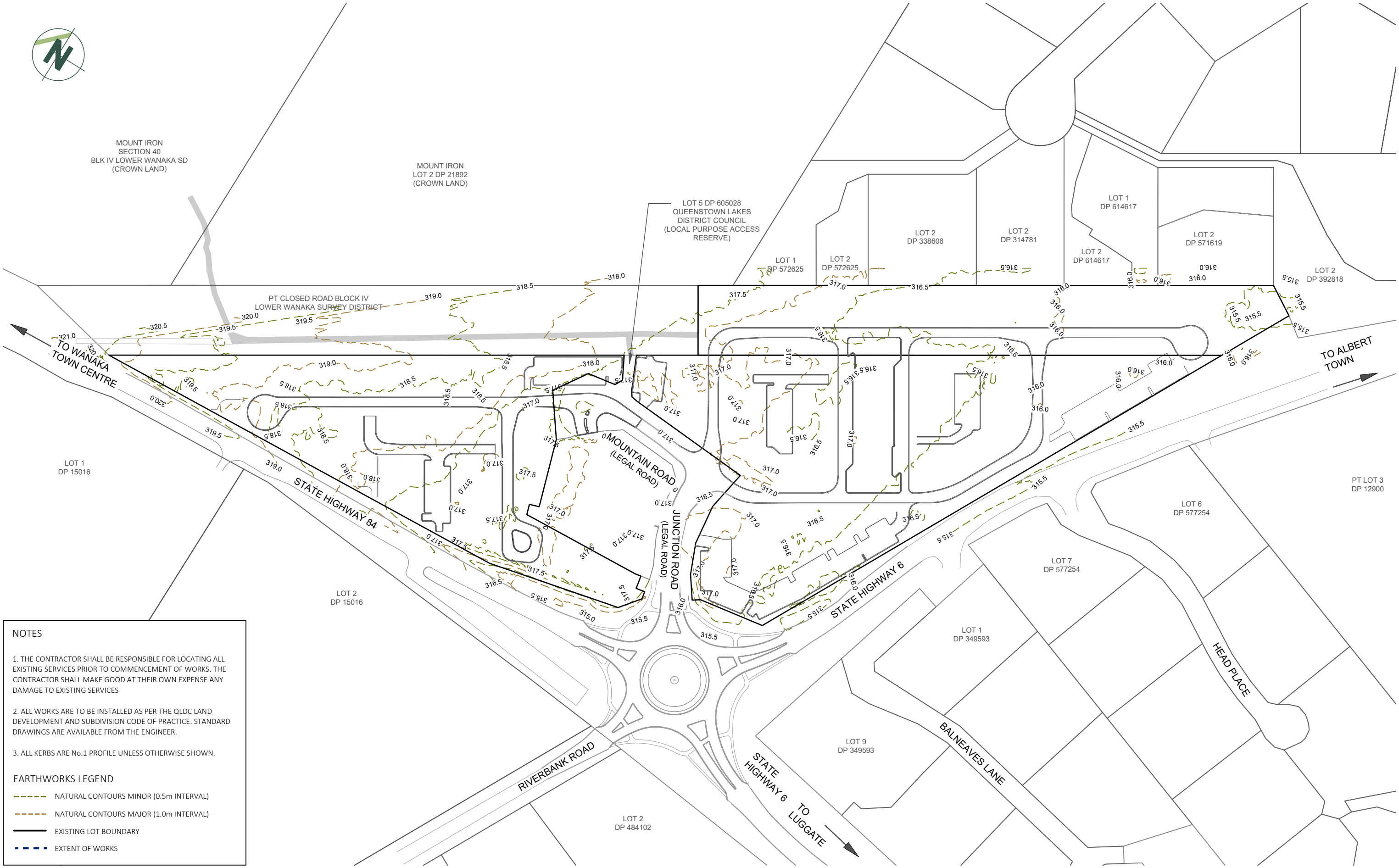
CLIENT:		MT IRON JUNCTION LTD		PPG JOB NUMBER:		P240103				
PROJECT NAME:	237 WANAKA - LUGGATE HIGHWAY, WANAKA	DAY	16	20	13					
		MONTH	12	02	08					
		YEAR	2025	2026	2026					
SHEET NO.	SHEET TITLE				DRAWING REVISIONS					
INDEX:										
100	INDEX SHEET				0	1	2			
110	SITE OVERVIEW				0	1	2			
EARTHWORKS:										
200	EARTHWORKS NATURAL CONTOURS				0	1	2			
201	EARTHWORKS DESIGN CONTOURS				0	1	2			
202	EARTHWORKS CUT/FILL DEPTHS				0	1	2			
ROADING:										
300	ROADING OVERVIEW PLAN				0	1	2			
300A	ROADING LAYOUT - SHEET A				0	1	2			
300B	ROADING LAYOUT - SHEET B				0	1	2			
300C	ROADING LAYOUT - SHEET C				0	1	2			
300D	ROADING LAYOUT - SHEET D				0	1	2			
310	ROADING LONGSECTIONS - 1				0	1	2			
311	ROADING LONGSECTIONS - 2				0	1	2			
312	ROADING LONGSECTIONS - 3				0	1	2			
313	ROADING LONGSECTIONS - 4				0	1	2			
320	ROADING TYPICAL CROSS SECTIONS 1				0	1	2			
321	ROADING TYPICAL CROSS SECTIONS 2				0	1	2			
330A	ROADING SIGHT DISTANCES ASD & SSD 1				0	1	2			
330B	ROADING SIGHT DISTANCES ASD & SSD 2				0	1	2			
330C	ROADING SIGHT DISTANCES ASD & SSD 3				0	1	2			
331A	ROADING SIGHT DISTANCES SISD 1				0	1	2			
331B	ROADING SIGHT DISTANCES SISD 2				0	1	2			
331C	ROADING SIGHT DISTANCES SISD 3				0	1	2			
332A	ROADING SIGHT DISTANCES CSD 1				0	1	2			
332B	ROADING SIGHT DISTANCES CSD 2				0	1	2			
332C	ROADING SIGHT DISTANCES CSD 3				0	1	2			
340	ROADING VEHICLE TRACKING 1				0	1	2			
341	ROADING VEHICLE TRACKING 2				0	1	2			
342	ROADING VEHICLE TRACKING 3				0	1	2			
343	ROADING VEHICLE TRACKING 4				0	1	2			
344	ROADING VEHICLE TRACKING 5				0	1	2			
345	ROADING VEHICLE TRACKING 6				0	1	2			
346	ROADING VEHICLE TRACKING 7				0	1	2			
347	ROADING VEHICLE TRACKING 8				0	1	2			
351	ACTIVE LINK				-	-	2			
352	ACTIVE LINK DETAILS				-	-	2			
360	NZTA WIDENING EARTHWORKS AND VESTING - SHEET 1				-	-	2			
361	NZTA WIDENING EARTHWORKS AND VESTING - SHEET 2				-	-	2			
STORMWATER										
400	DRAINAGE - OVERVIEW PLAN				0	1	2			
400A	STORMWATER LAYOUT - SHEET A				0	1	2			
400B	STORMWATER LAYOUT - SHEET B				0	1	2			
400C	STORMWATER LAYOUT - SHEET C				0	1	2			

410	STORMWATER LONGSECTIONS	0	1	2						
411	STORMWATER LONGSECTIONS	0	1	2						
412	STORMWATER LONGSECTIONS	0	1	2						
WASTEWATER										
500A	WASTEWATER LAYOUT - SHEET A	0	1	2						
500B	WASTEWATER LAYOUT - SHEET B	0	1	2						
500C	WASTEWATER LAYOUT - SHEET C	0	1	2						
500D	WASTEWATER LAYOUT - SHEET D	0	1	2						
510	WASTEWATER LONGSECTIONS 1	0	1	2						
511	WASTEWATER LONGSECTIONS 2	0	1	2						
512	WASTEWATER LONGSECTIONS 3	0	1	2						
513	WASTEWATER LONGSECTIONS 4	0	1	2						
514	WASTEWATER LONGSECTIONS 5	0	1	2						
WATER SUPPLY										
600	WATER SUPPLY - OVERVIEW PLAN	0	1	2						
600A	WATER SUPPLY LAYOUT - SHEET A	0	1	2						
600B	WATER SUPPLY LAYOUT - SHEET B	0	1	2						
600C	WATER SUPPLY LAYOUT - SHEET C	0	1	2						
UTILITIES										
800	COMBINED SERVICES - OVERVIEW PLAN	0	1	2						
800A	COMBINED SERVICES - SHEET A	0	1	2						
800B	COMBINED SERVICES - SHEET B	0	1	2						
800C	COMBINED SERVICES - SHEET C	0	1	2						
800D	COMBINED SERVICES - SHEET D	0	1	2						
850	FLOOR LEVEL PLAN	0	1	2						

Day	16	20	13						
Month	12	02	08						
Year	2025	2026	2026						
DISTRIBUTION:									
MOUNT IRON JUNCTION LTD		x							
CONSULTANTS TEAM	x	x							
QUEENSTOWN LAKES DISTRICT COUNCIL		x							
OTAGO REGIONAL COUNCIL									
CONTRACTOR									
REASONS FOR ISSUE:									
DRAWING SIZE:									
A3	A3								
MEDIA:									
PDF	PDF								
A = APPROVAL C = CONSTRUCTION	D = DESIGN T = TENDER	X = PRICING Y = CONSENT	I = INFORMATION R = REQUESTED	P = FOR RESOURCE CONSENT E = DXF OR DWG					



patersons. Land Professionals	CLIENT	DRAWING TITLE	DATUM INFORMATION	REV	DRAWN	DATE	NOTE	SURVEYED	LIDAR	PROJECT	P240103		
	MT IRON JUNCTION LTD	CONSENT ENGINEERING DESIGN	COORDINATE SYSTEM	NZGD 2000	01	PHJ	20.02.2026	Fast Track Application	DESIGNED	PHJ	DRAWING NO	00	
	JUNCTION ROAD, WANAKA	SITE OVERVIEW		LINDIS PEAK CIRCUIT	02	PHJ	13.08.2026	Fast Track Minute 7 Response	DRAWN	SS	SHEET	11	
			DATUM	NZVD 2016					REVIEWED	AH	REVISION	2	
			ORIGIN OF COORDINATES						APPROVED	DLW			
		ORIGIN OF LEVELS			STATUS	FOR RESOURCE CONSENT			© Paterson Pitts Limited Partnership			SCALE (A3)	1:2000



NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES

2. ALL WORKS ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE. STANDARD DRAWINGS ARE AVAILABLE FROM THE ENGINEER.

3. ALL KERBS ARE No.1 PROFILE UNLESS OTHERWISE SHOWN.

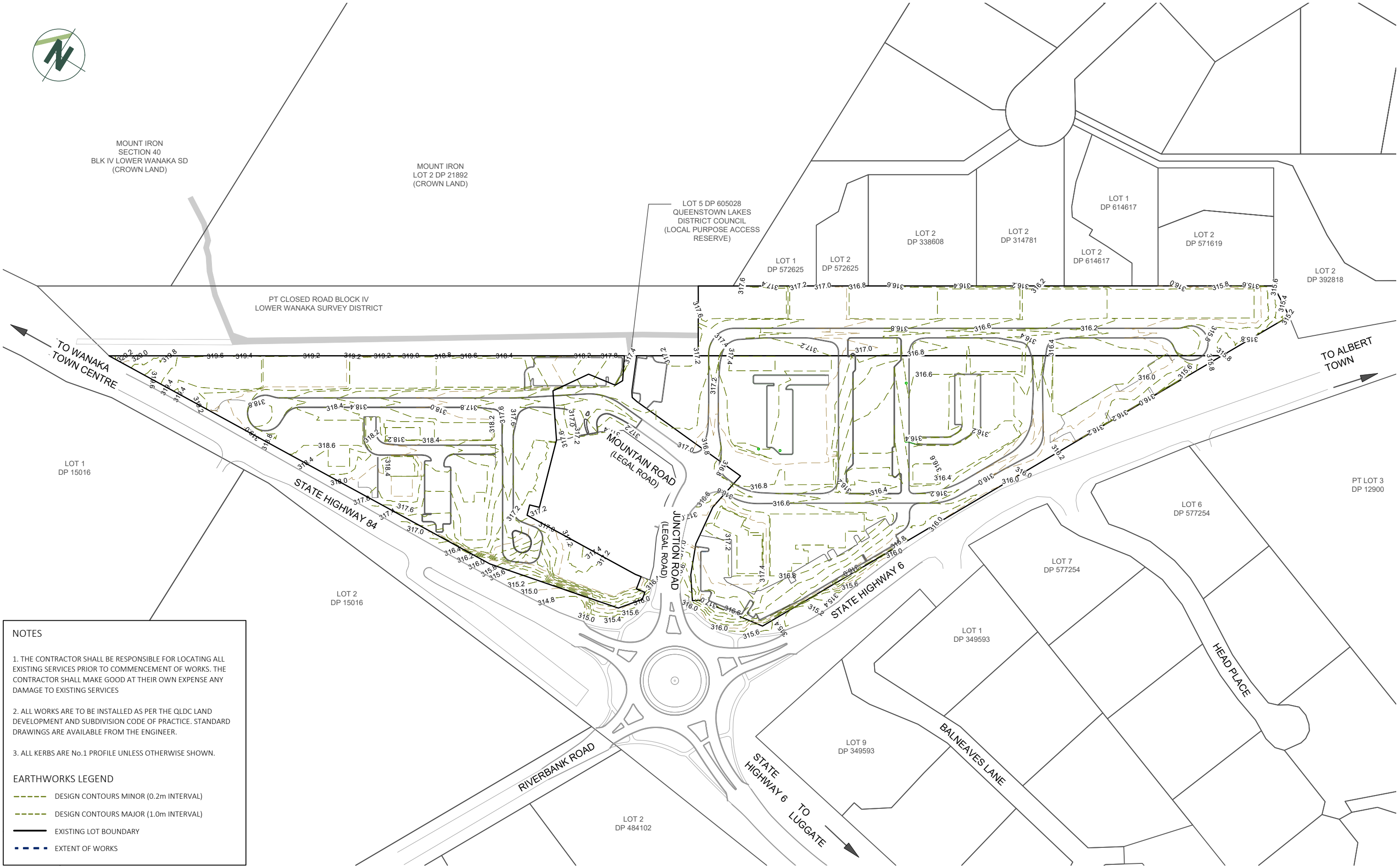
EARTHWORKS LEGEND

NATURAL CONTOURS MINOR (0.5m INTERVAL)

NATURAL CONTOURS MAJOR (1.0m INTERVAL)

EXISTING LOT BOUNDARY

EXTENT OF WORKS



NOTES

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EARTHWORKS LEGEND

DESIGN CONTOURS MINOR (0.2m INTERVAL)

DESIGN CONTOURS MAJOR (1.0m INTERVAL)

EXISTING LOT BOUNDARY

EXTENT OF WORKS



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EARTHWORKS LEGEND

— CUT CONTOURS DEPTHS (0.2m INTERVAL)

— FILL CONTOUR DEPTHS (0.2m INTERVAL)

— NO CUT/FILL

— LOT BOUNDARY

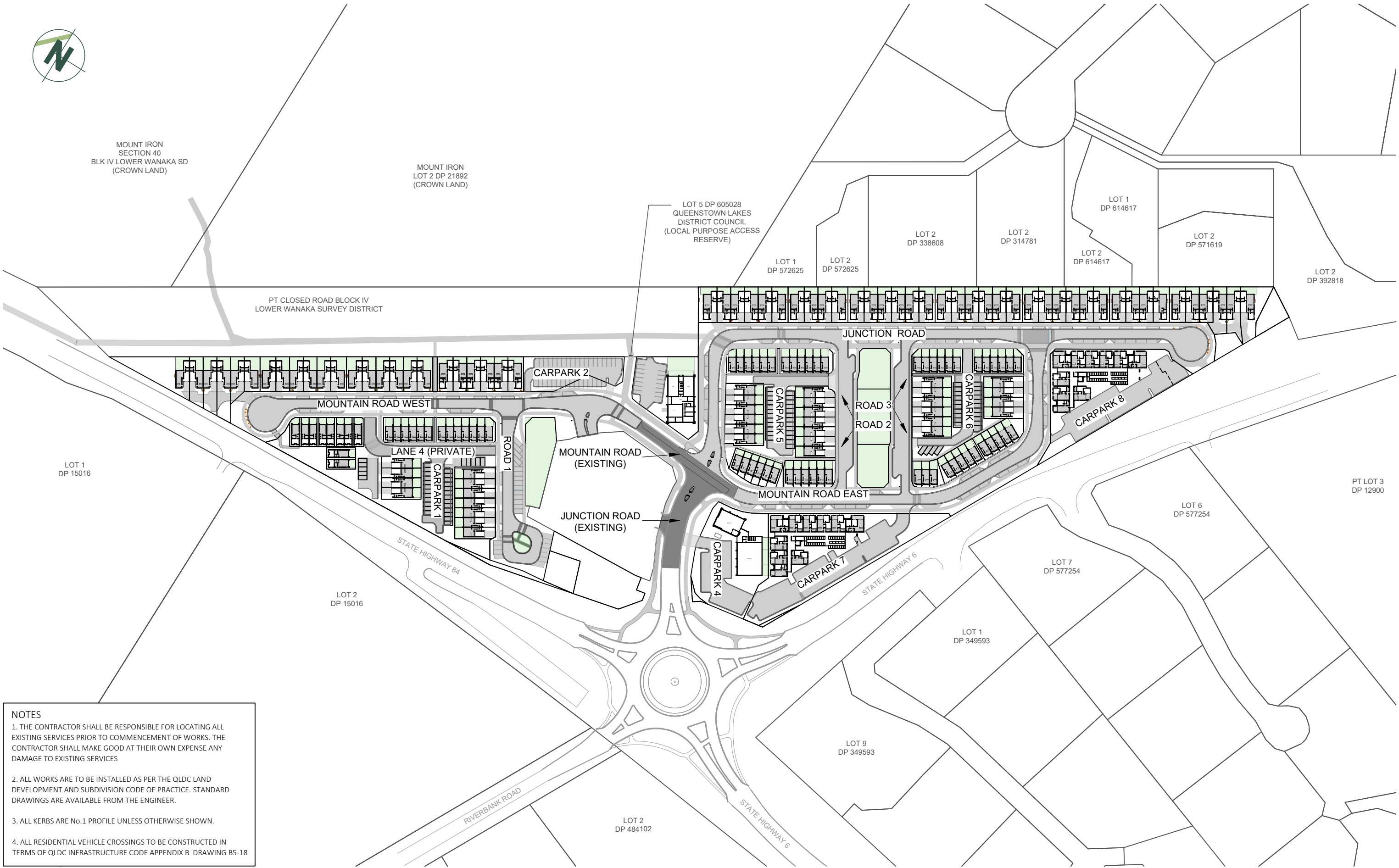
LEGEND

CUT

- 1.4m -
- 1.2m to -1.4m
- 1.0m to -1.2m
- 0.8m to -1.0m
- 0.6m to -0.8m
- 0.4m to -0.6m
- 0.2m to -0.4m
- 0.0m to -0.2m

FILL

- 0.0m to 0.2m
- 0.2m to 0.4m
- 0.4m to 0.6m
- 0.6m to 0.8m
- 0.8m to 1.0m
- 1.0m to 1.2m
- 1.2m to 1.4m
- 1.4m +

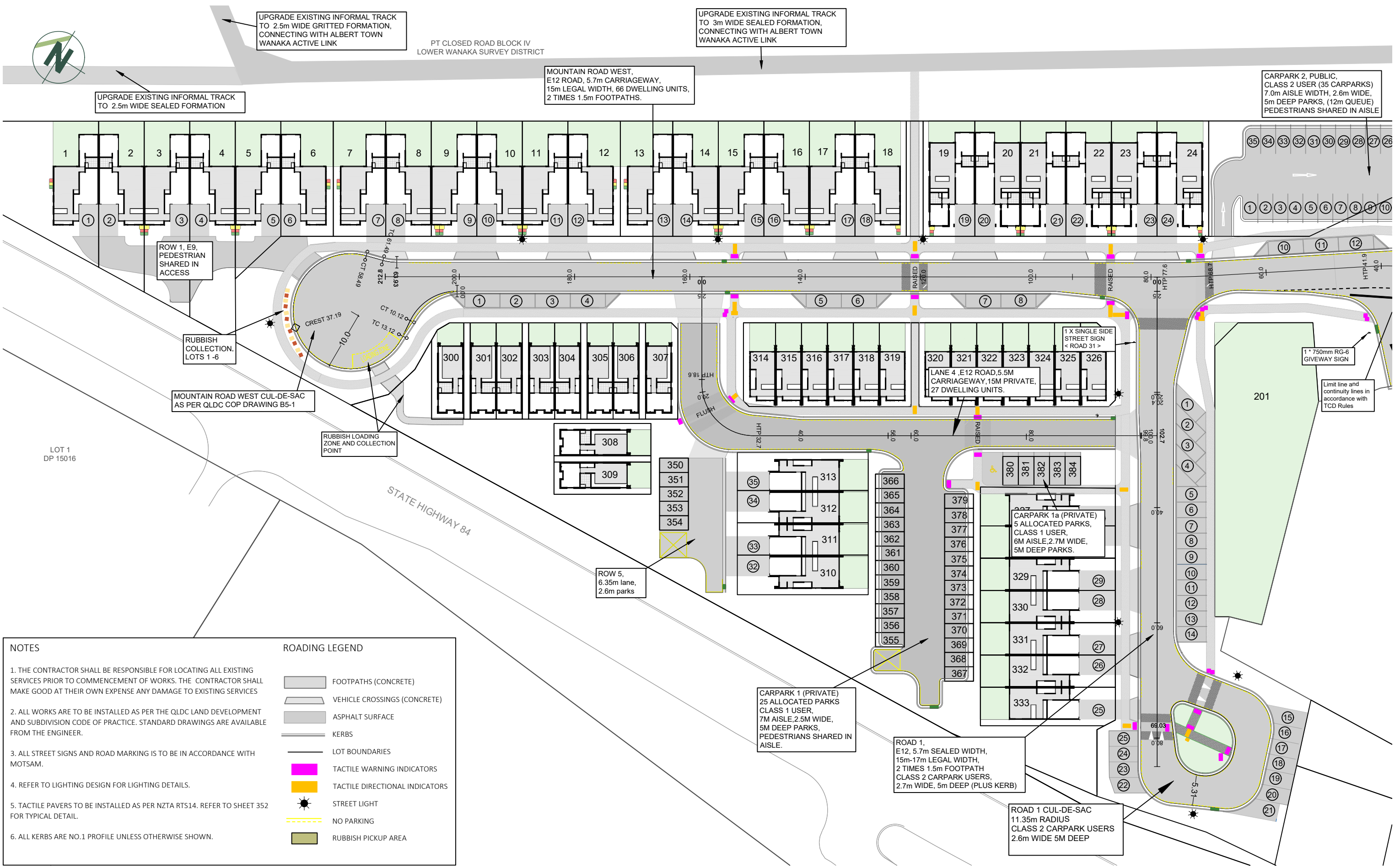


- NOTES
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3. ALL KERBS ARE No.1 PROFILE UNLESS OTHERWISE SHOWN.

4. ALL RESIDENTIAL VEHICLE CROSSINGS TO BE CONSTRUCTED IN TERMS OF QLDC INFRASTRUCTURE CODE APPENDIX B DRAWING B5-18

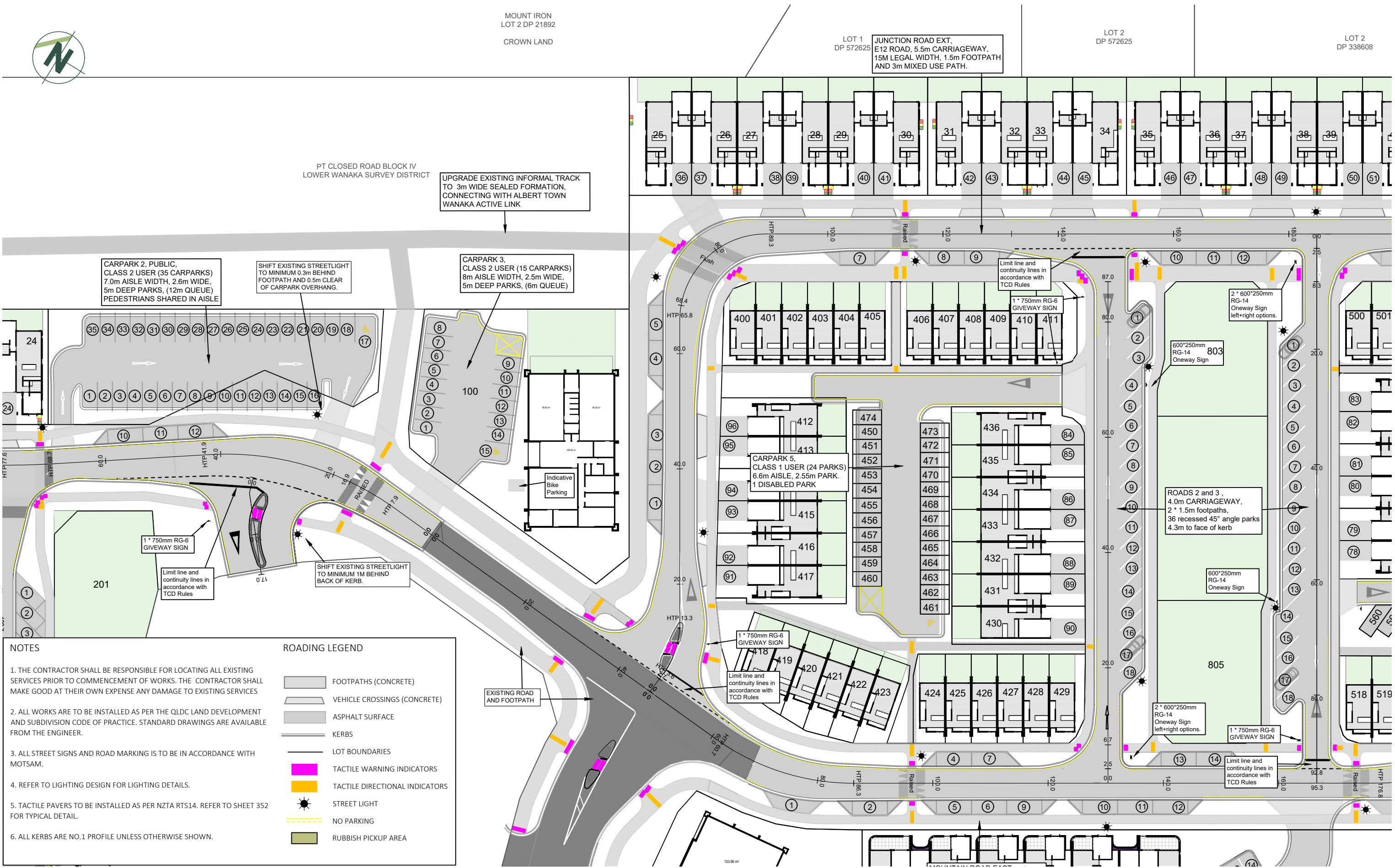


NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES
- ALL WORKS ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE. STANDARD DRAWINGS ARE AVAILABLE FROM THE ENGINEER.
- ALL STREET SIGNS AND ROAD MARKING IS TO BE IN ACCORDANCE WITH MOTSAM.
- REFER TO LIGHTING DESIGN FOR LIGHTING DETAILS.
- TACTILE PAVERS TO BE INSTALLED AS PER NZTA RTS14. REFER TO SHEET 352 FOR TYPICAL DETAIL.
- ALL KERBS ARE NO.1 PROFILE UNLESS OTHERWISE SHOWN.

ROADING LEGEND

	FOOTPATHS (CONCRETE)
	VEHICLE CROSSINGS (CONCRETE)
	ASPHALT SURFACE
	KERBS
	LOT BOUNDARIES
	TACTILE WARNING INDICATORS
	TACTILE DIRECTIONAL INDICATORS
	STREET LIGHT
	NO PARKING
	RUBBISH PICKUP AREA



NOTES

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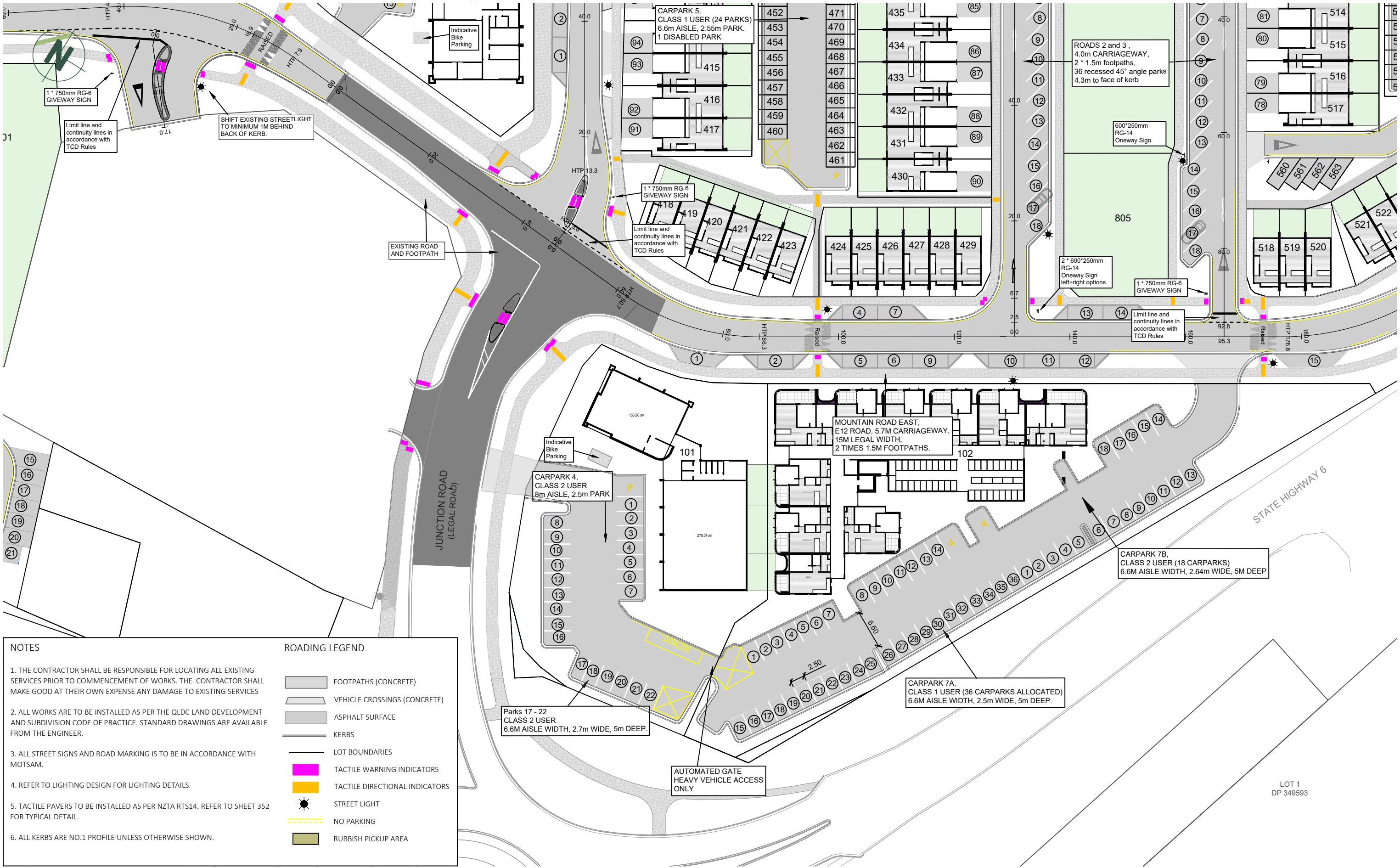
4. REFER TO LIGHTING DESIGN FOR LIGHTING DETAILS.

5. TACTILE PAVERS TO BE INSTALLED AS PER NZTA RTS14. REFER TO SHEET 352 FOR TYPICAL DETAIL.

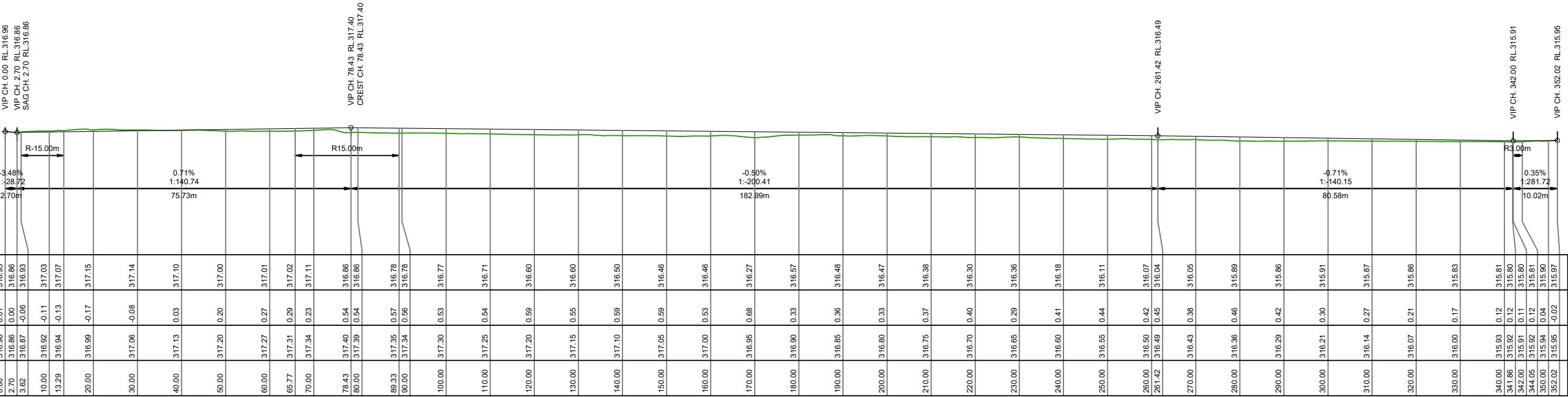
6. ALL KERBS ARE NO.1 PROFILE UNLESS OTHERWISE SHOWN.

ROADING LEGEND

	FOOTPATHS (CONCRETE)
	VEHICLE CROSSINGS (CONCRETE)
	ASPHALT SURFACE
	KERBS
	LOT BOUNDARIES
	TACTILE WARNING INDICATORS
	TACTILE DIRECTIONAL INDICATORS
	STREET LIGHT
	NO PARKING
	RUBBISH PICKUP AREA



Horiz Curve Data
Vertical Geometry Grade (%)
Vertical Geometry Grade (1 in)
Vertical Grade Length
Vertical Curve Length
Vertical Curve Radius



Junction Road Longsection



CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

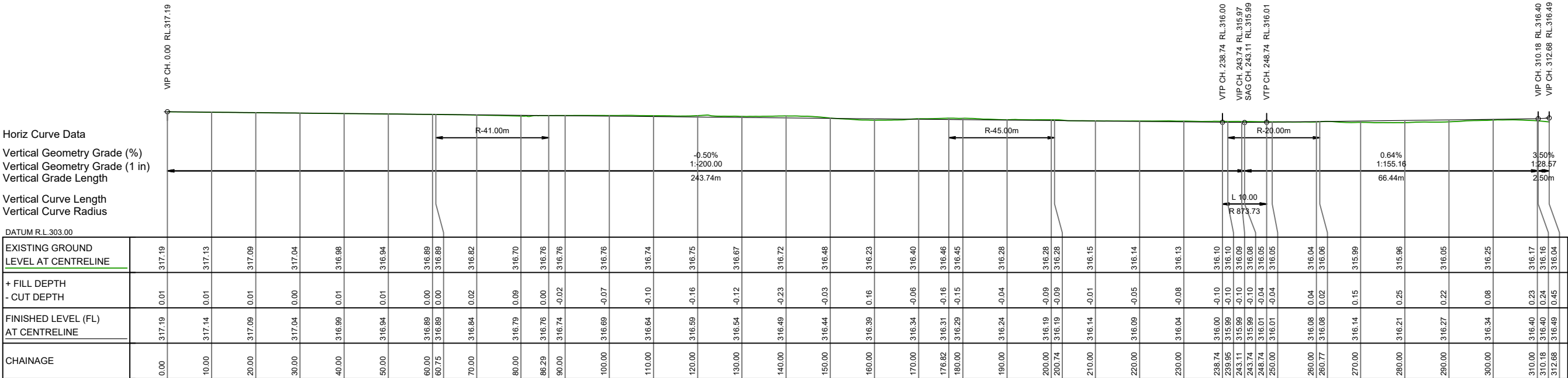
DRAWING TITLE
CONSENT ENGINEERING DESIGN
ROADING LONG SECTIONS 1

DATUM INFORMATION
COORDINATE SYSTEM
LINDIS PEAK CIRCUIT
DATUM
ORIGIN OF COORDINATES
ORIGIN OF LEVELS

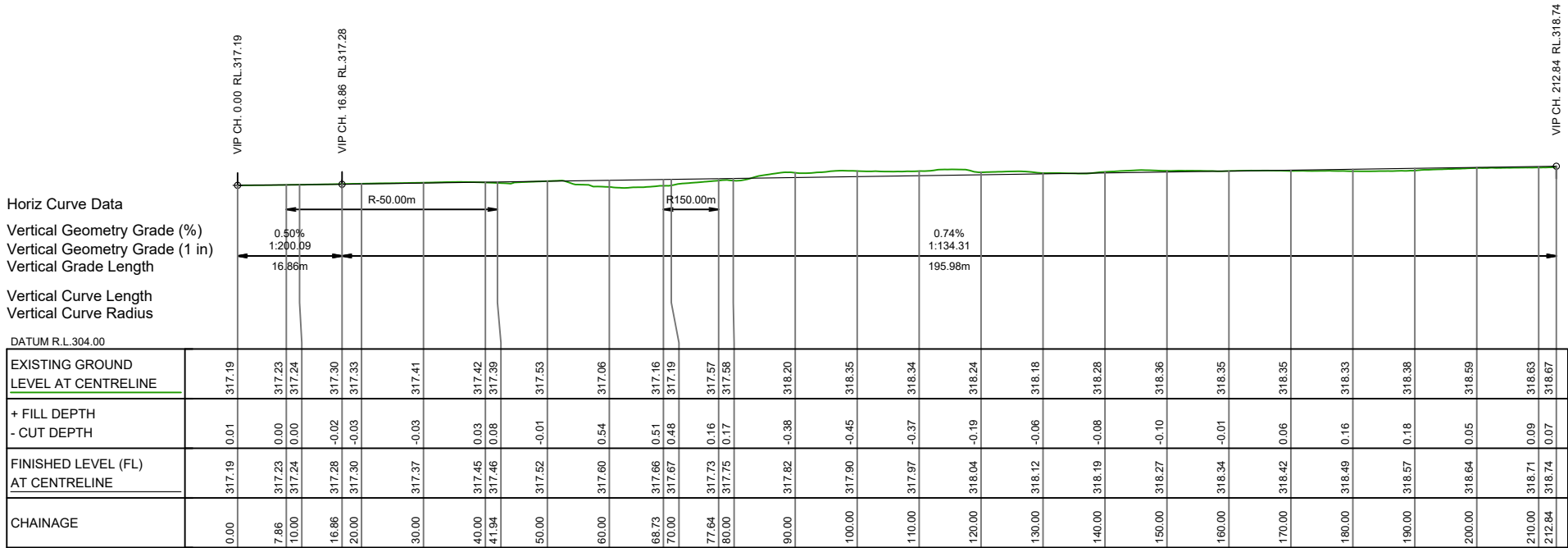
REV DRAWN DATE NOTE
01 PHJ 20.02.2026 Fast Track Application
02 PHJ 13.08.2026 Fast Track Minute 7 Response
STATUS FOR RESOURCE CONSENT

SURVEYED LIDAR
DESIGNED PHJ
DRAWN SS
REVIEWED AH
APPROVED DLW
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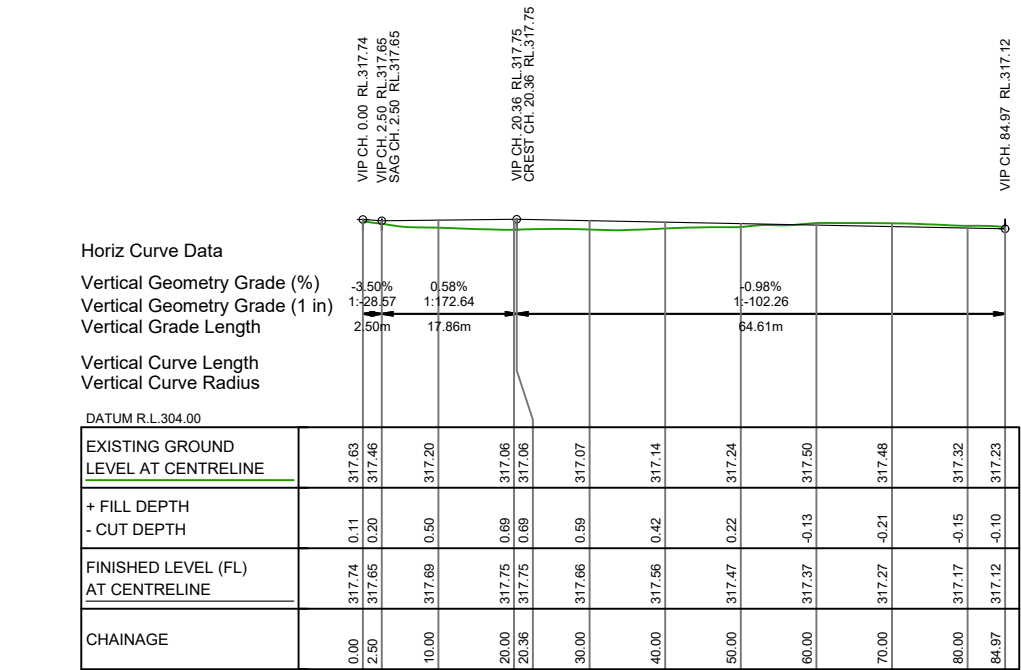
PROJECT P240103
DRAWING NO 003
SHEET 310
REVISION 2
SCALE (A3) 1:2000



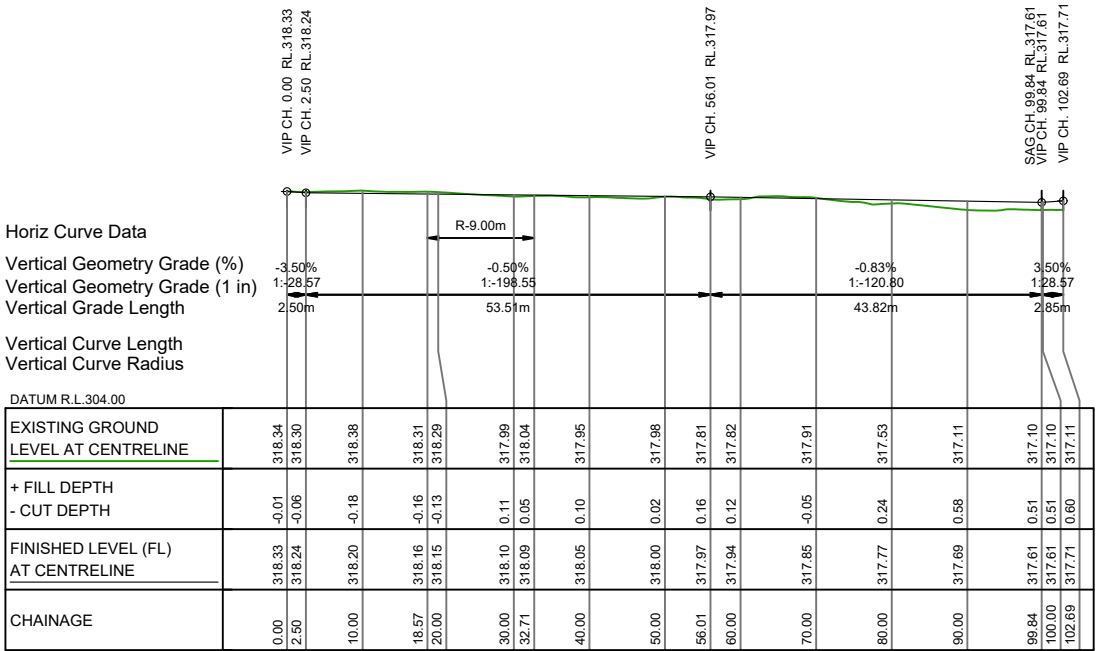
Mountain Road East Longsection



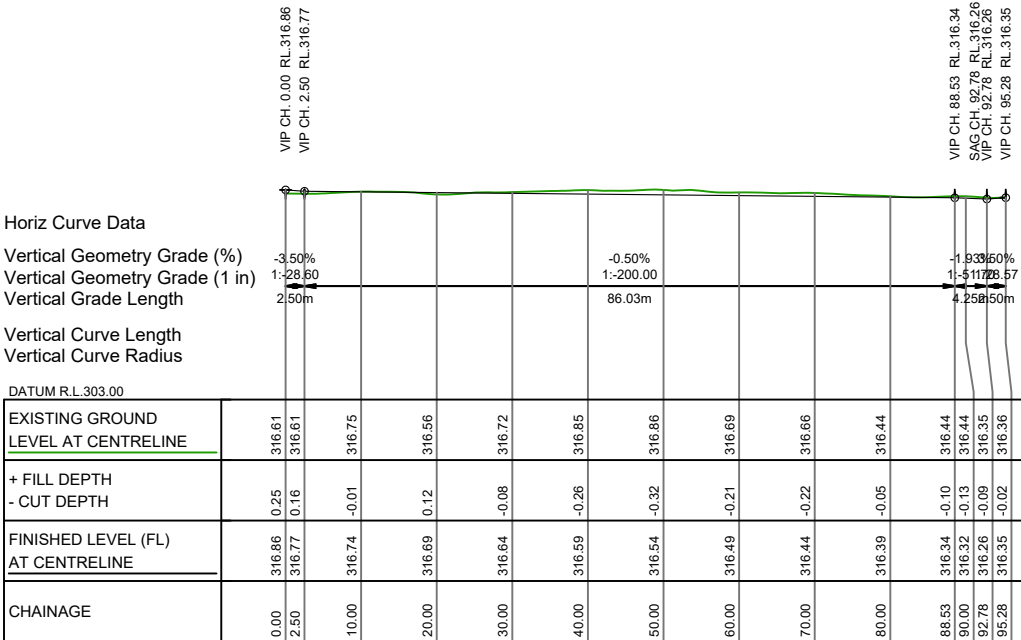
Mountain Road West Longsection



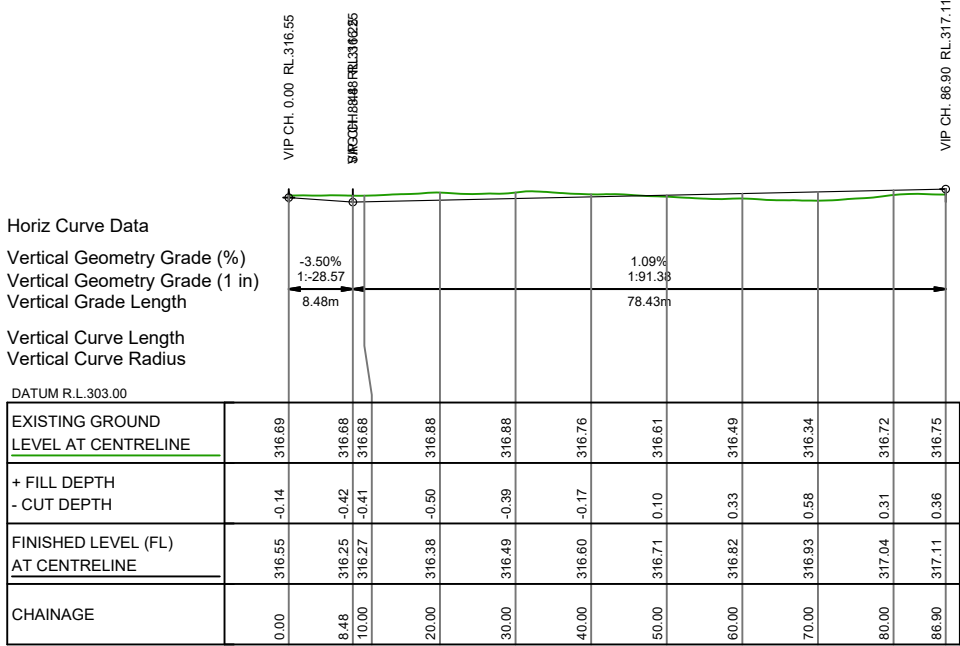
Road 1 Longsection



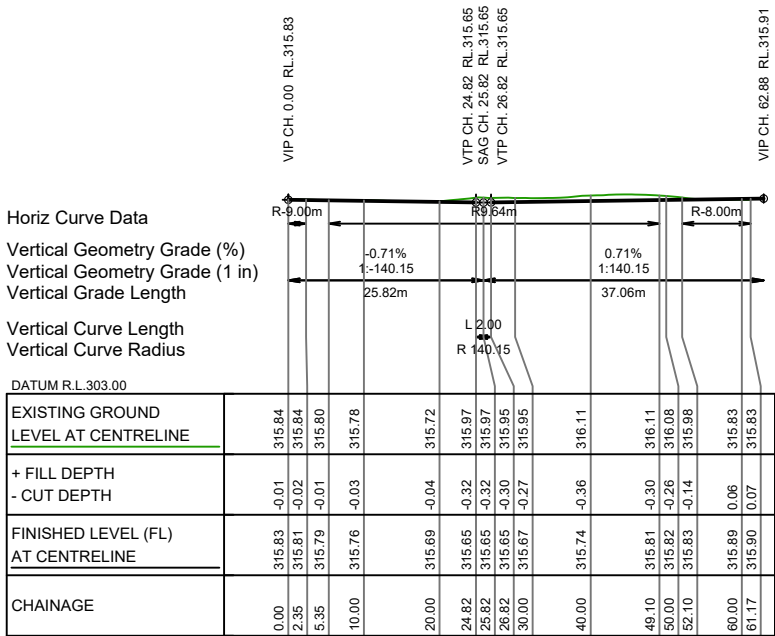
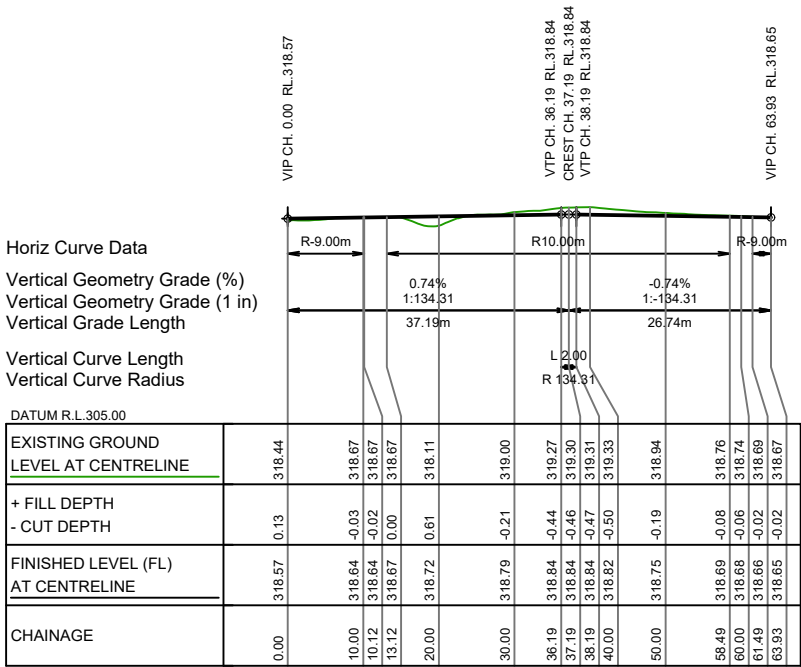
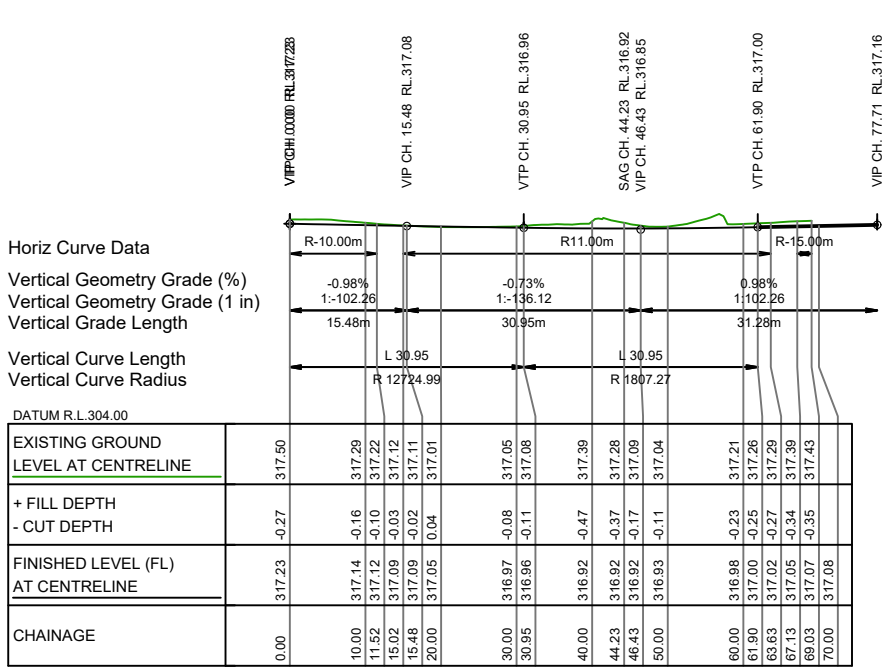
LANE 4 Longsection

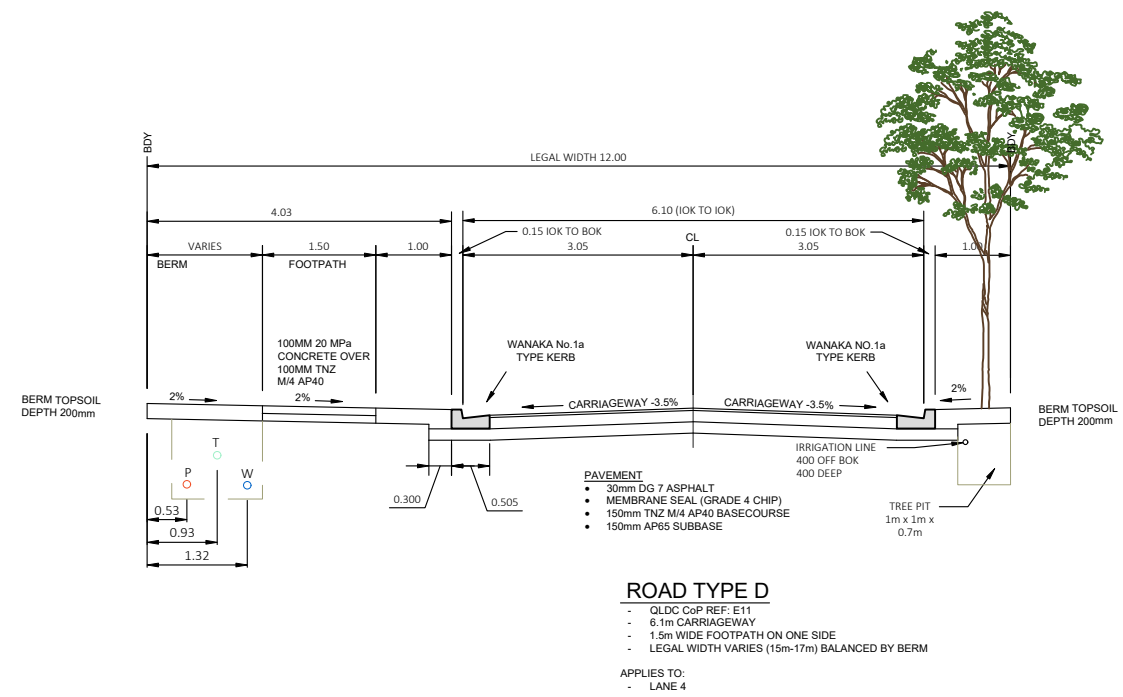
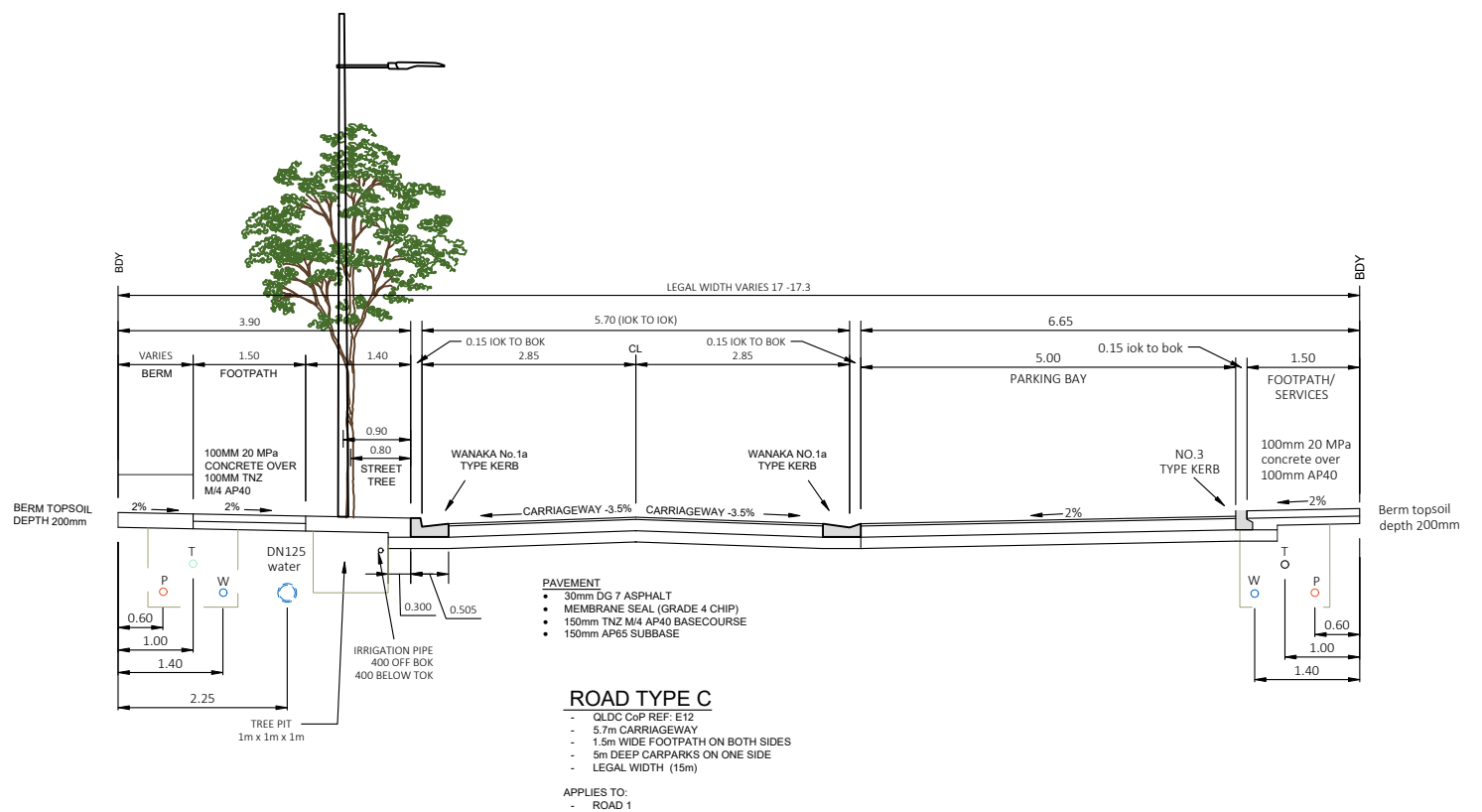


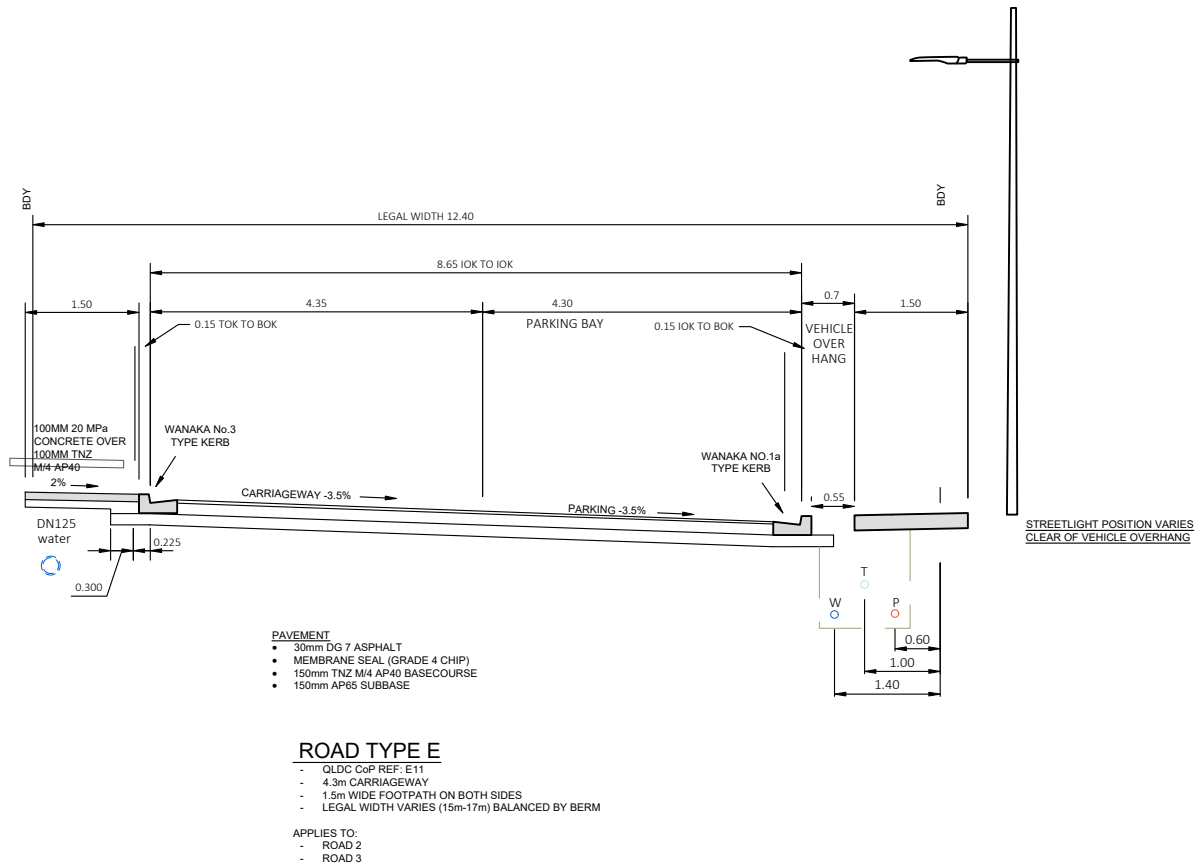
Road 3 Longsection

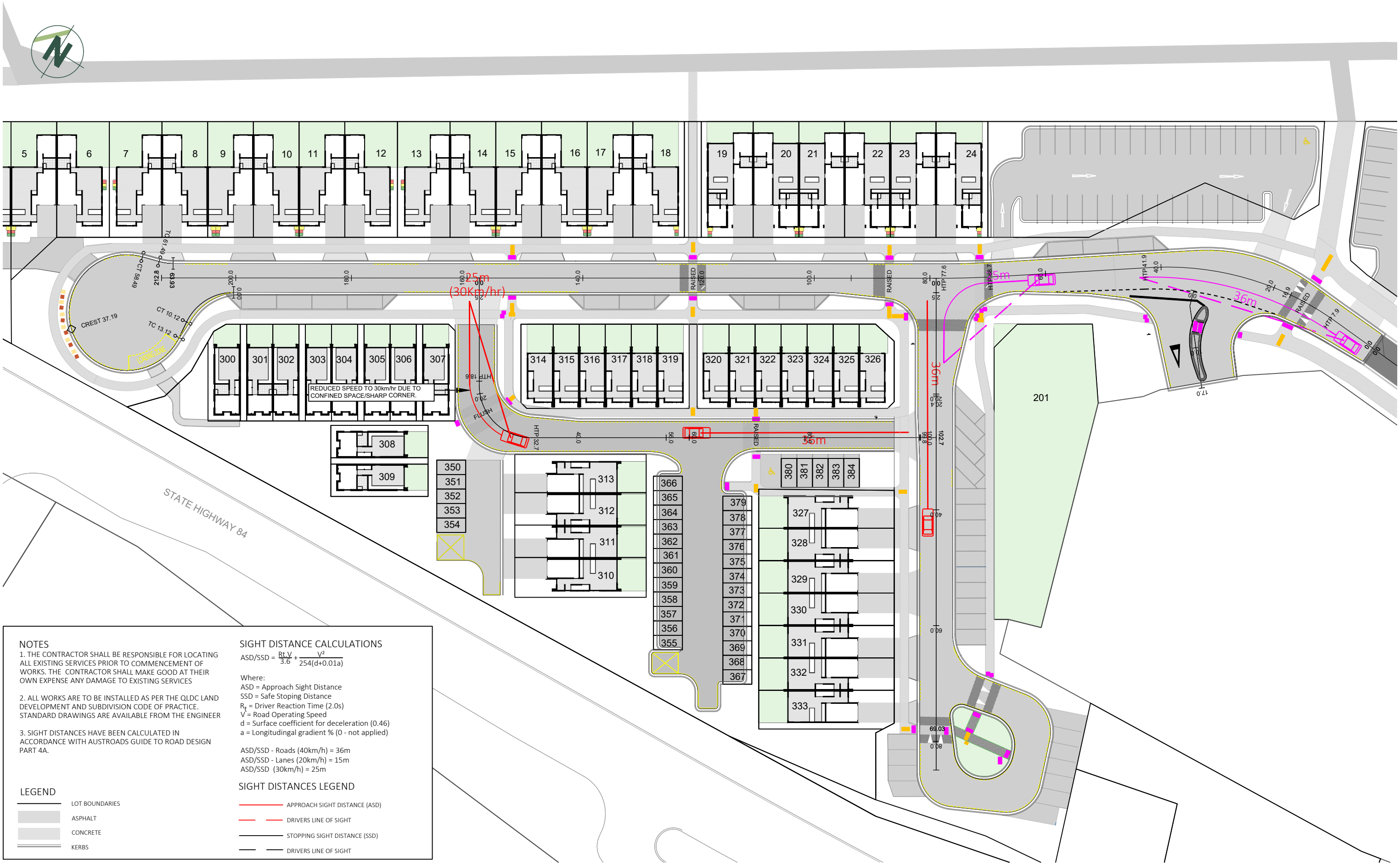


ROAD2 Longsection









NOTES

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2. ALL WORKS ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE. STANDARD DRAWINGS ARE AVAILABLE FROM THE ENGINEER

3. SIGHT DISTANCES HAVE BEEN CALCULATED IN ACCORDANCE WITH AUSTROADS GUIDE TO ROAD DESIGN PART 4A.

SIGHT DISTANCE CALCULATIONS

$$ASD/SSD = \frac{R_t V}{3.6} + \frac{V^2}{254(d+0.01a)}$$

Where:

ASD = Approach Sight Distance

SSD = Safe Stopping Distance

R_t = Driver Reaction Time (2.0s)

V = Road Operating Speed

d = Surface coefficient for deceleration (0.46)

a = Longitudinal gradient % (0 - not applied)

ASD/SSD - Roads (40km/h) = 36m

ASD/SSD - Lanes (20km/h) = 15m

ASD/SSD (30km/h) = 25m

SIGHT DISTANCES LEGEND

— APPROACH SIGHT DISTANCE (ASD)

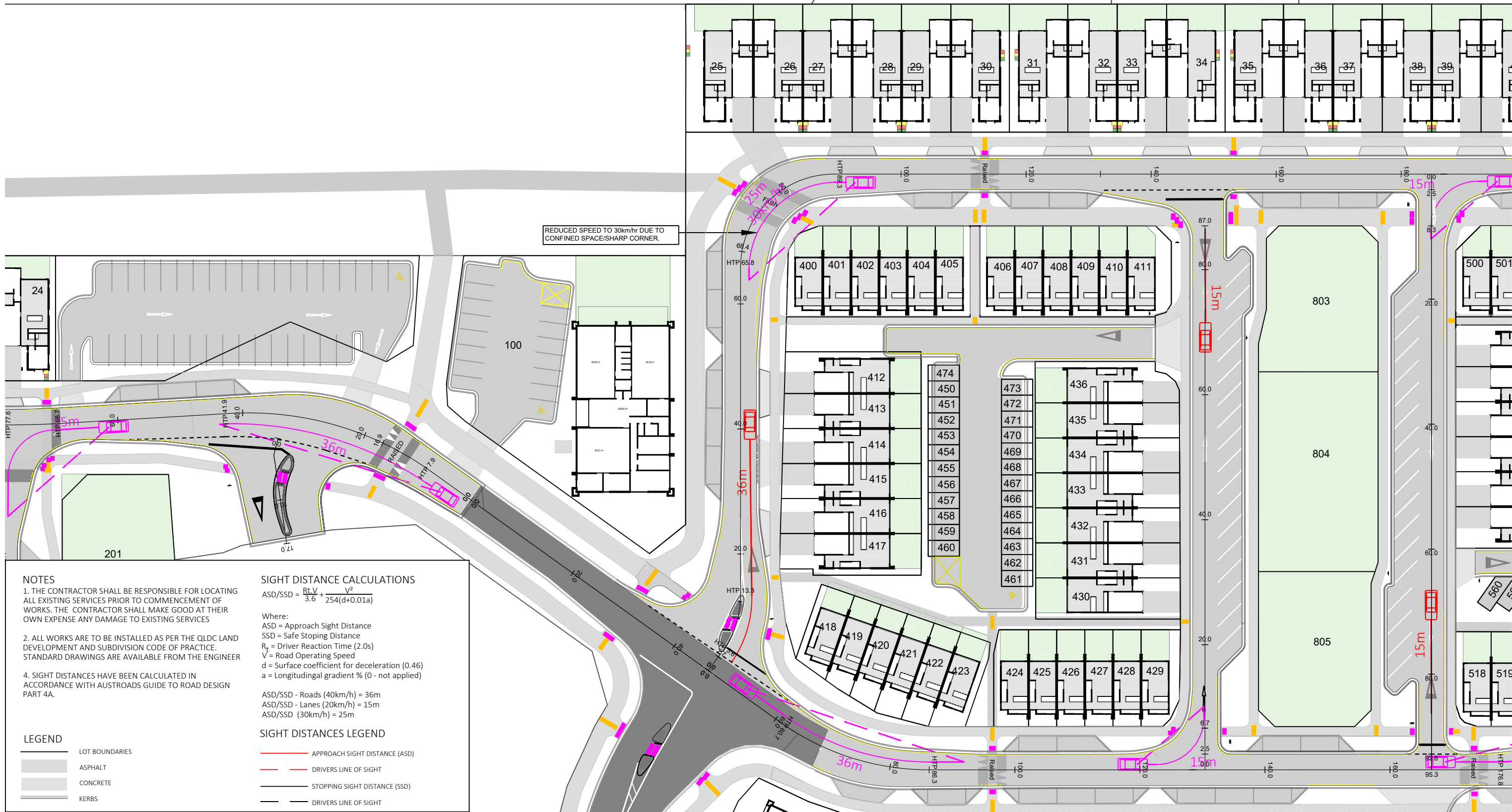
— DRIVERS LINE OF SIGHT

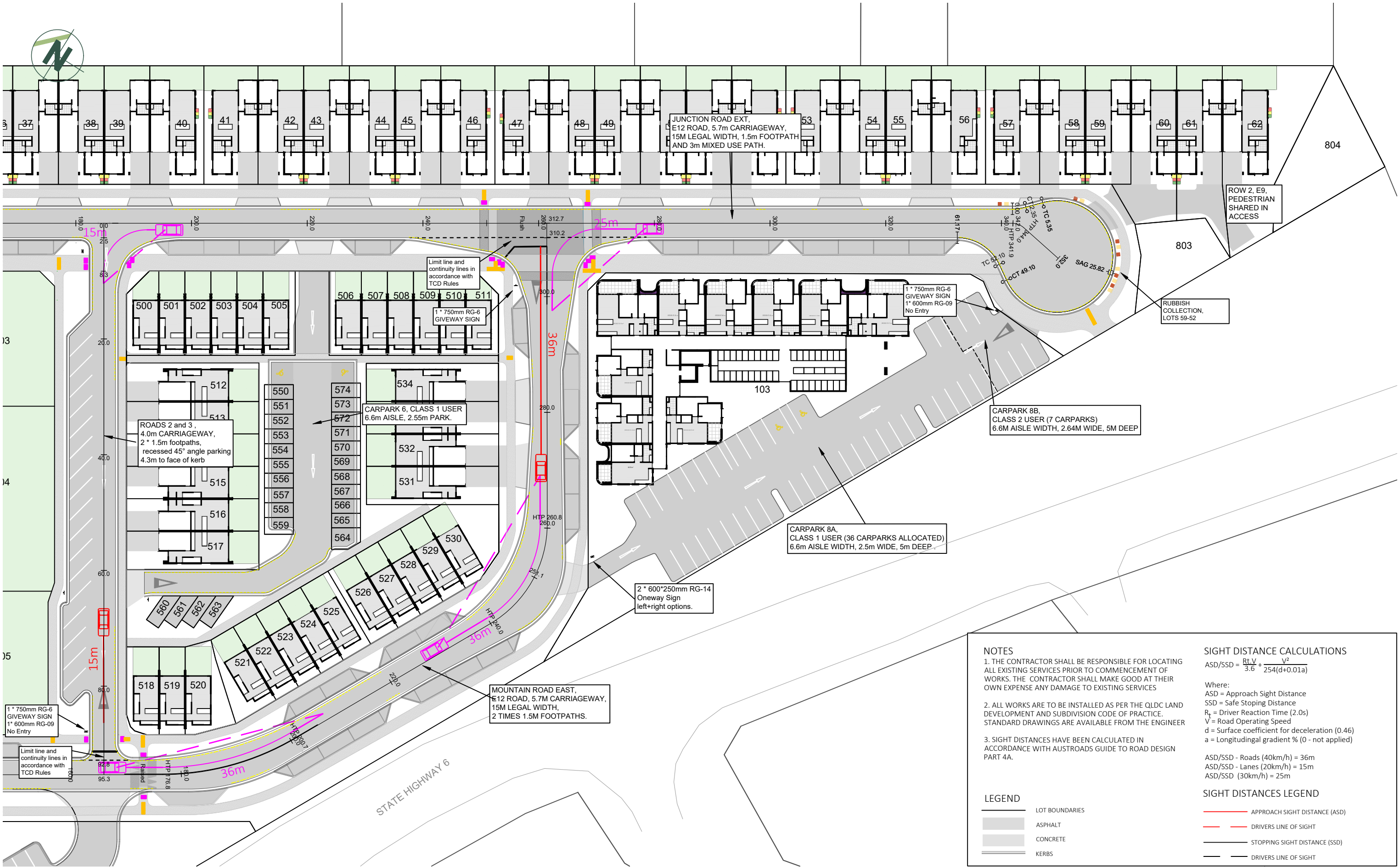
— STOPPING SIGHT DISTANCE (SSD)

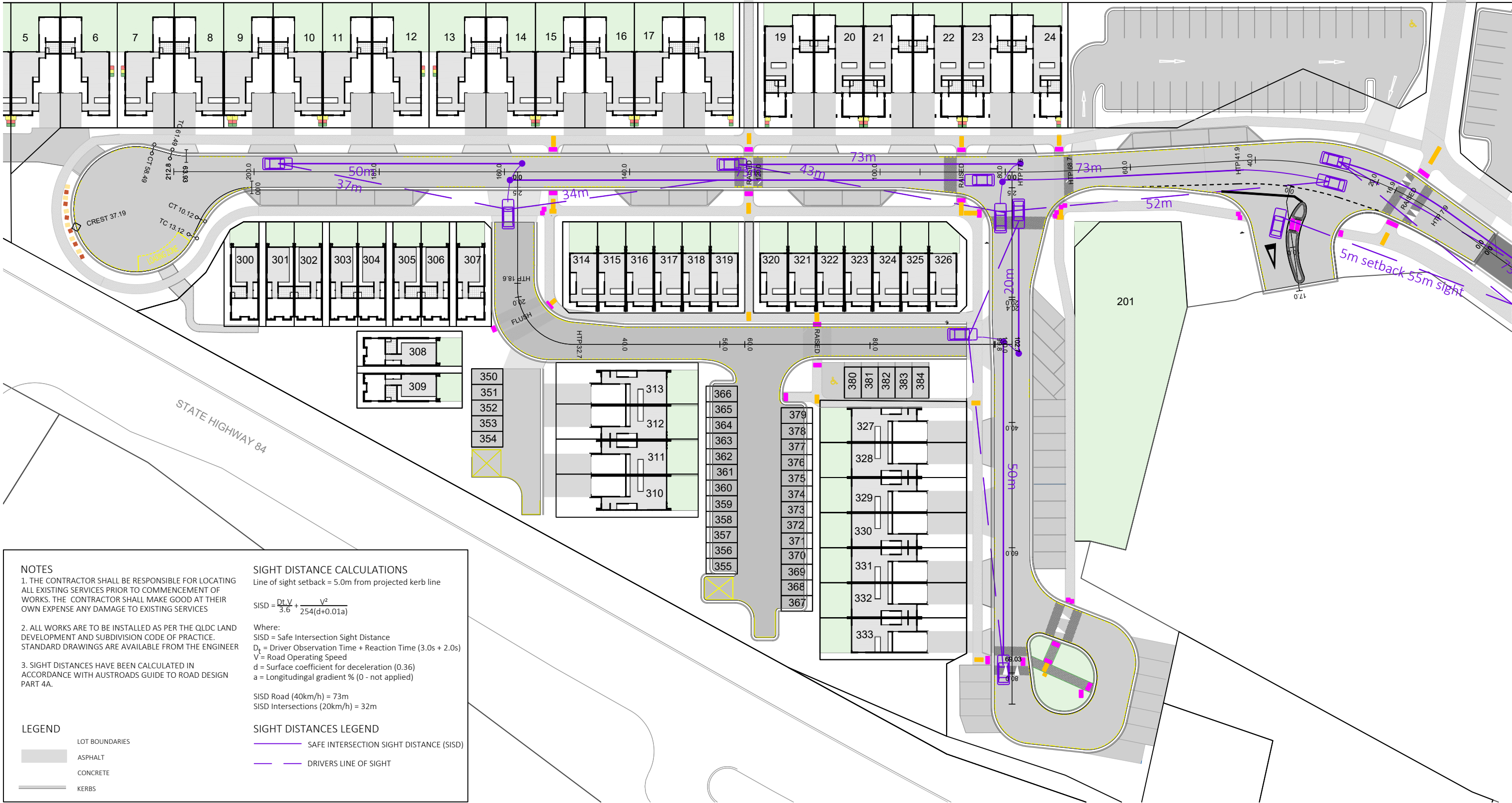
— DRIVERS LINE OF SIGHT

LEGEND

- LOT BOUNDARIES
- ASPHALT
- CONCRETE
- KERBS







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3. SIGHT DISTANCES HAVE BEEN CALCULATED IN ACCORDANCE WITH AUSTRROADS GUIDE TO ROAD DESIGN PART 4A.

SIGHT DISTANCE CALCULATIONS

Line of sight setback = 5.0m from projected kerb line

$$SISD = \frac{D_t V}{3.6} + \frac{V^2}{254(d+0.01a)}$$

Where:

SISD = Safe Intersection Sight Distance

D_t = Driver Observation Time + Reaction Time (3.0s + 2.0s)

V = Road Operating Speed

d = Surface coefficient for deceleration (0.36)

a = Longitudinal gradient % (0 - not applied)

SISD Road (40km/h) = 73m

SISD Intersections (20km/h) = 32m

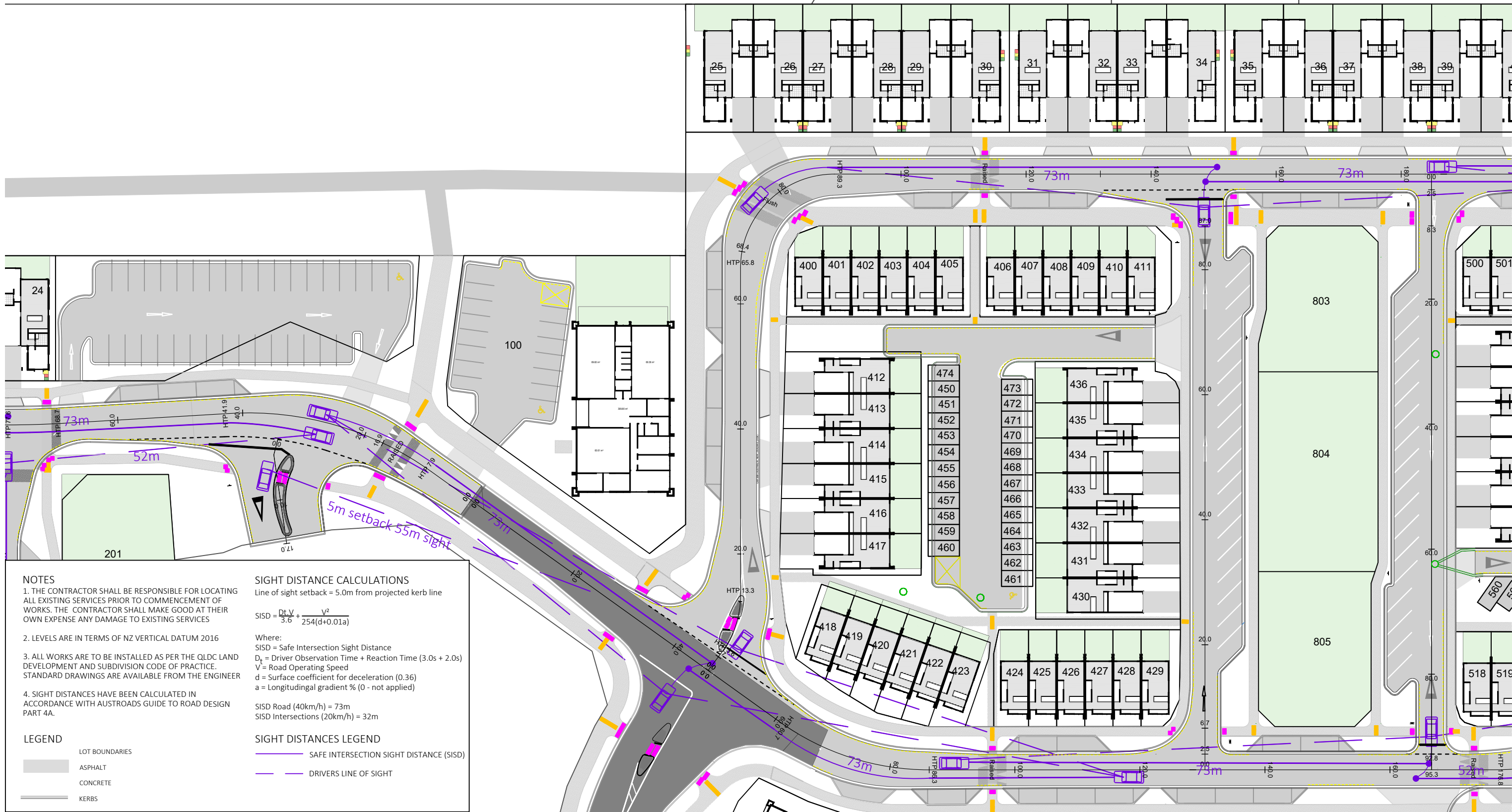
SIGHT DISTANCES LEGEND

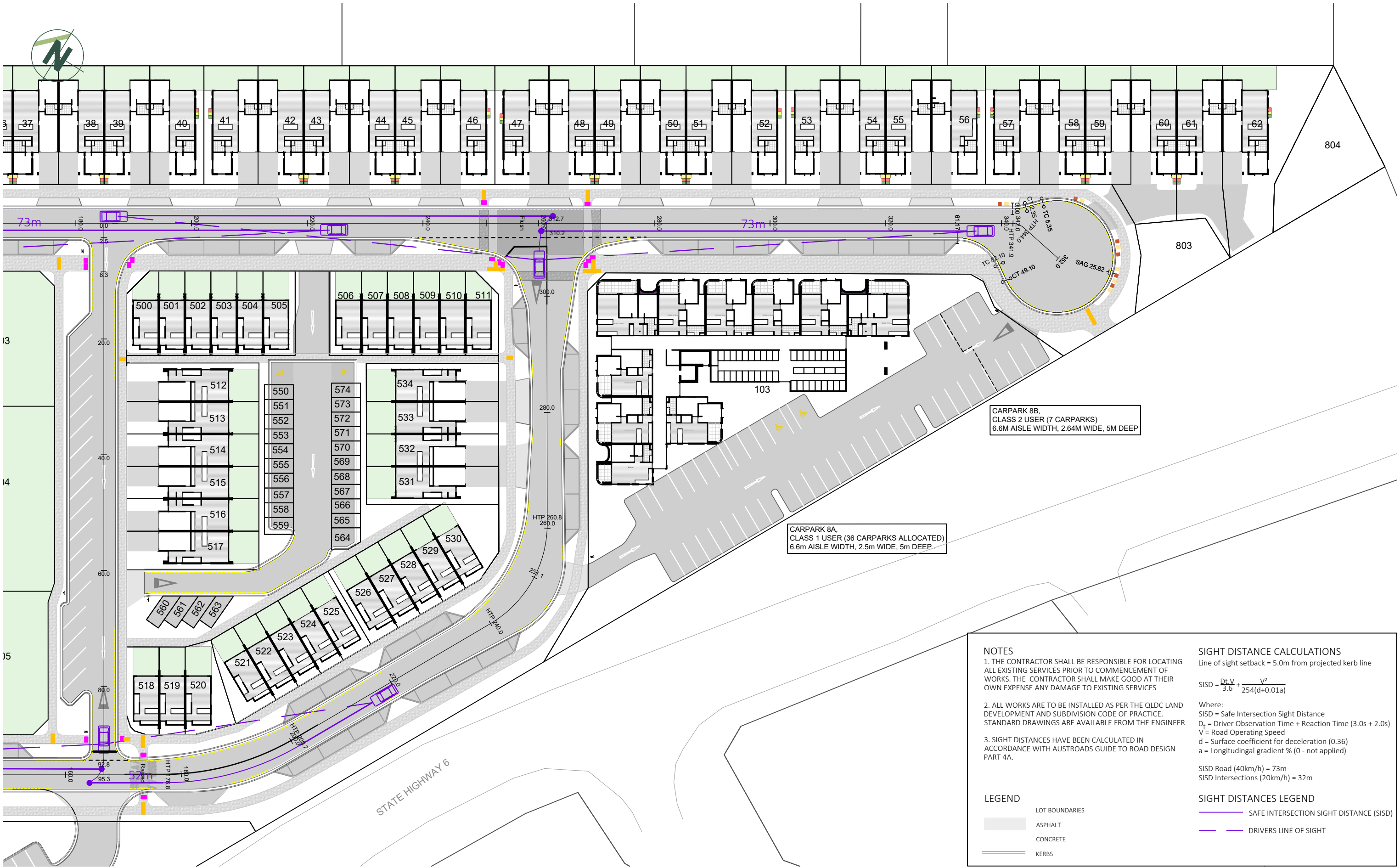
SAFE INTERSECTION SIGHT DISTANCE (SISD)

DRIVERS LINE OF SIGHT

LEGEND

- LOT BOUNDARIES
- ASPHALT
- CONCRETE
- KERBS





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SIGHT DISTANCE CALCULATIONS

Line of sight setback = 5.0m from projected kerb line

$$SISD = \frac{D_t V}{3.6} + \frac{V^2}{254(d+0.01a)}$$

Where:
SISD = Safe Intersection Sight Distance
D_t = Driver Observation Time + Reaction Time (3.0s + 2.0s)
V = Road Operating Speed
d = Surface coefficient for deceleration (0.36)
a = Longitudinal gradient % (0 - not applied)

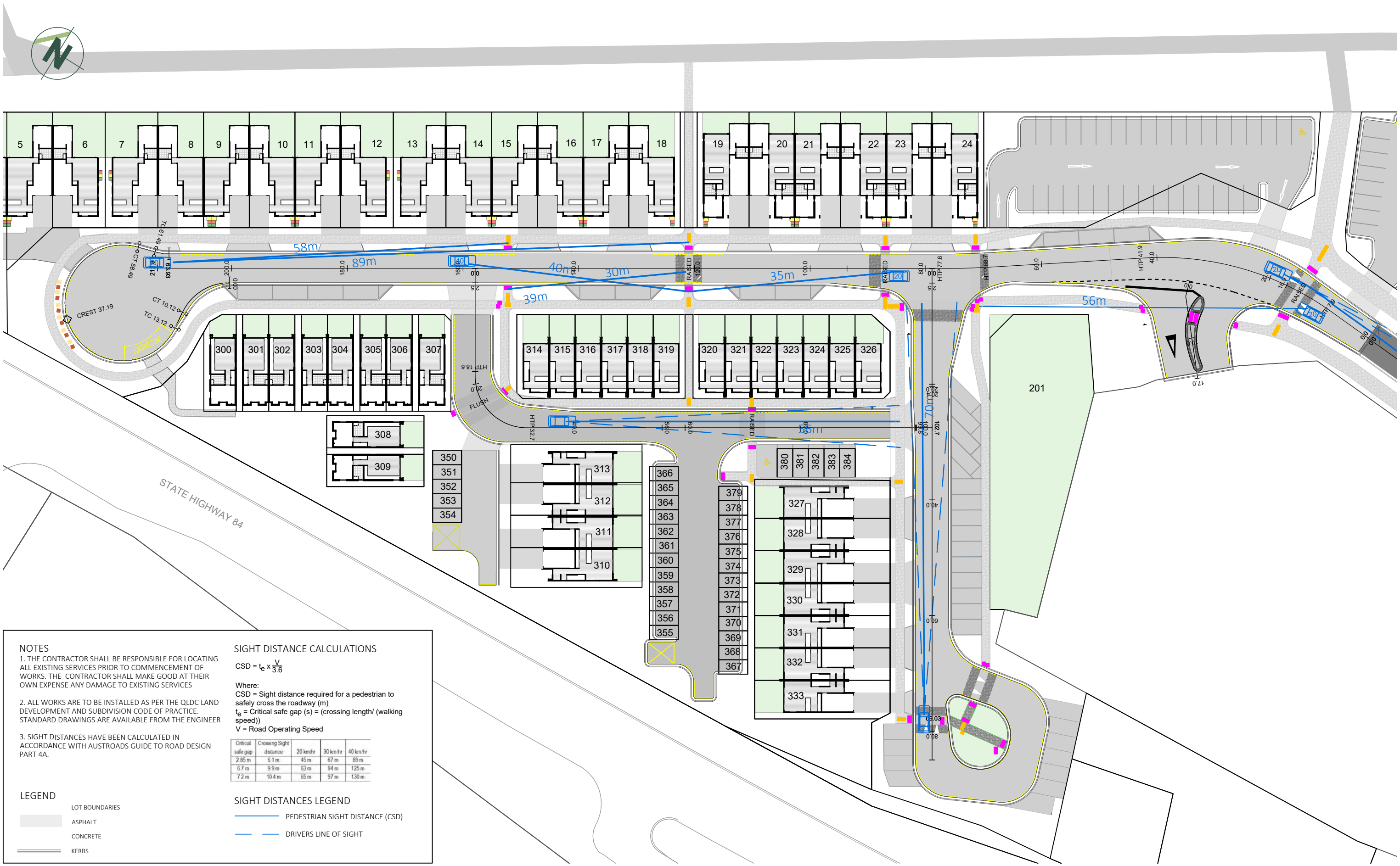
SISD Road (40km/h) = 73m
SISD Intersections (20km/h) = 32m

LEGEND

LOT BOUNDARIES
ASPHALT
CONCRETE
KERBS

SIGHT DISTANCES LEGEND

SAFE INTERSECTION SIGHT DISTANCE (SISD)
DRIVERS LINE OF SIGHT



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3. SIGHT DISTANCES HAVE BEEN CALCULATED IN ACCORDANCE WITH AUSTRROADS GUIDE TO ROAD DESIGN PART 4A.

SIGHT DISTANCE CALCULATIONS

$CSD = t_e \times \frac{V}{3.6}$

Where:
CSD = Sight distance required for a pedestrian to safely cross the roadway (m)
 t_e = Critical safe gap (s) = (crossing length/ (walking speed))
V = Road Operating Speed

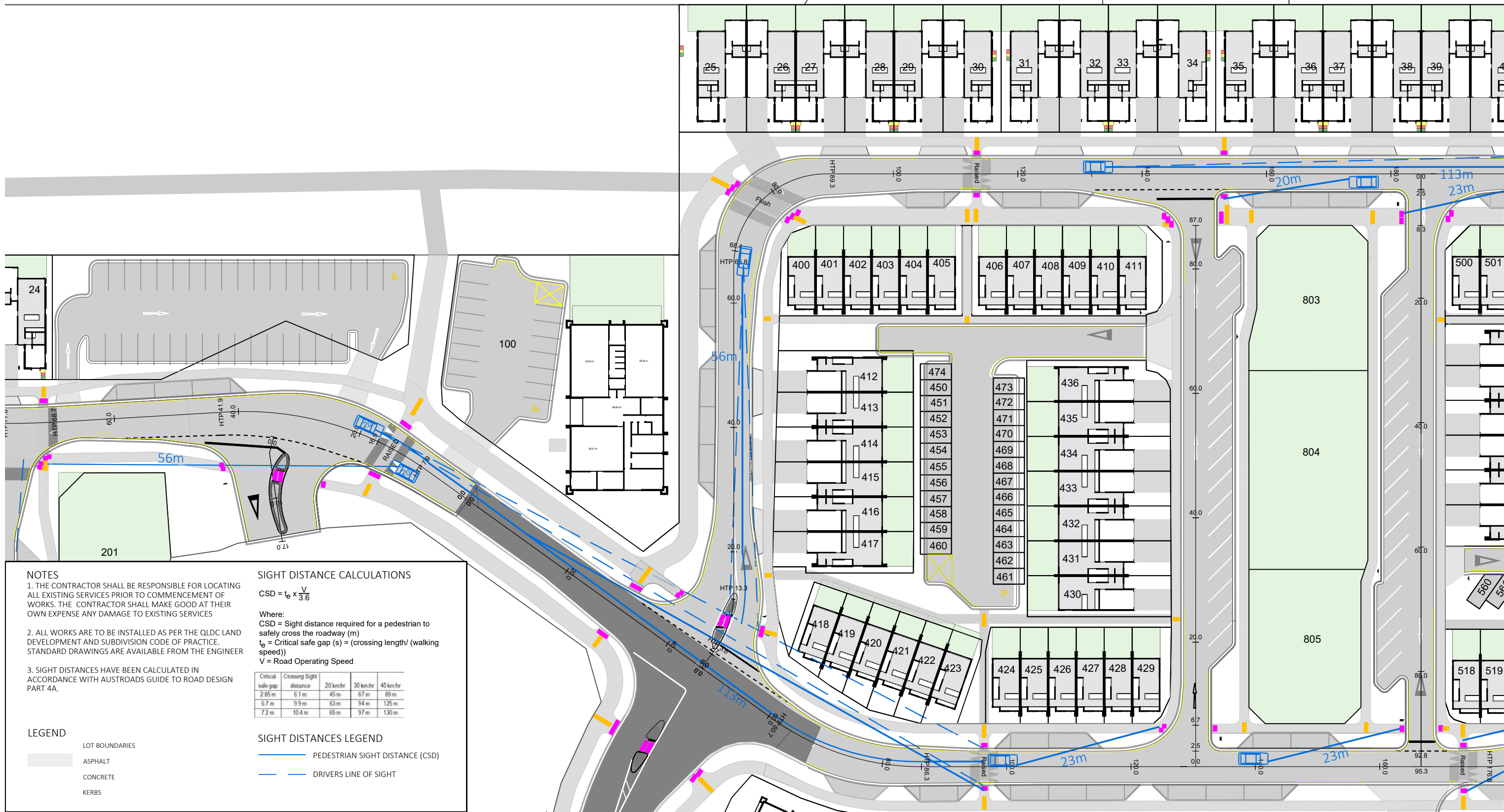
Critical safe gap	Crossing Sight distance	20 km/hr	30 km/hr	40 km/hr
2.85 m	6.1 m	45 m	67 m	89 m
6.7 m	9.9 m	63 m	94 m	125 m
7.2 m	10.4 m	65 m	97 m	130 m

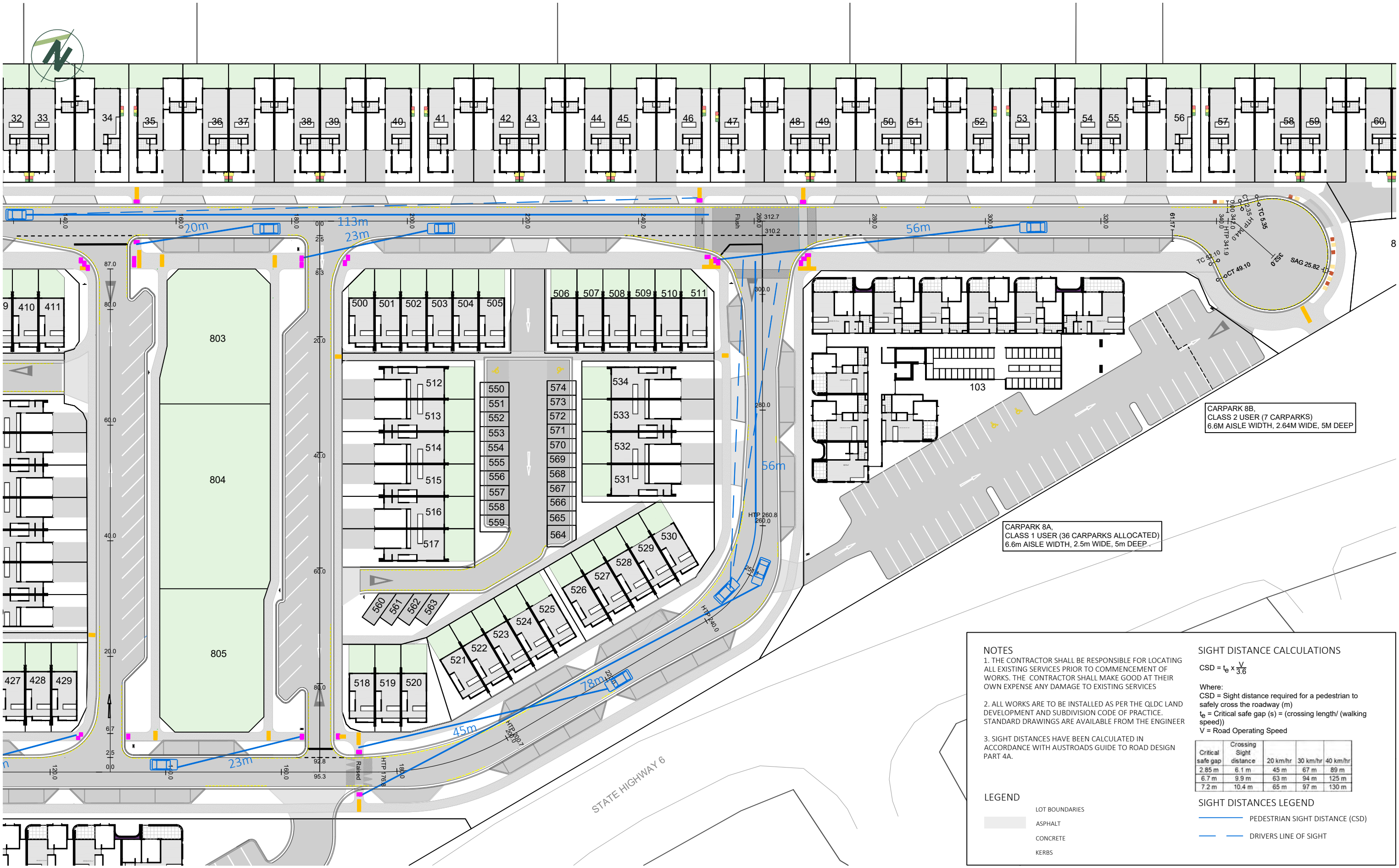
LEGEND

- LOT BOUNDARIES
- ASPHALT
- CONCRETE
- KERBS

SIGHT DISTANCES LEGEND

- PEDESTRIAN SIGHT DISTANCE (CSD)
- DRIVERS LINE OF SIGHT





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SIGHT DISTANCE CALCULATIONS

$CSD = t_e \times \frac{V}{3.6}$

Where:
CSD = Sight distance required for a pedestrian to safely cross the roadway (m)
 t_e = Critical safe gap (s) = (crossing length/ (walking speed))
V = Road Operating Speed

Critical safe gap	Crossing Sight distance	20 km/hr	30 km/hr	40 km/hr
2.85 m	6.1 m	45 m	67 m	89 m
6.7 m	9.9 m	63 m	94 m	125 m
7.2 m	10.4 m	65 m	97 m	130 m

SIGHT DISTANCES LEGEND

PEDESTRIAN SIGHT DISTANCE (CSD)

DRIVERS LINE OF SIGHT

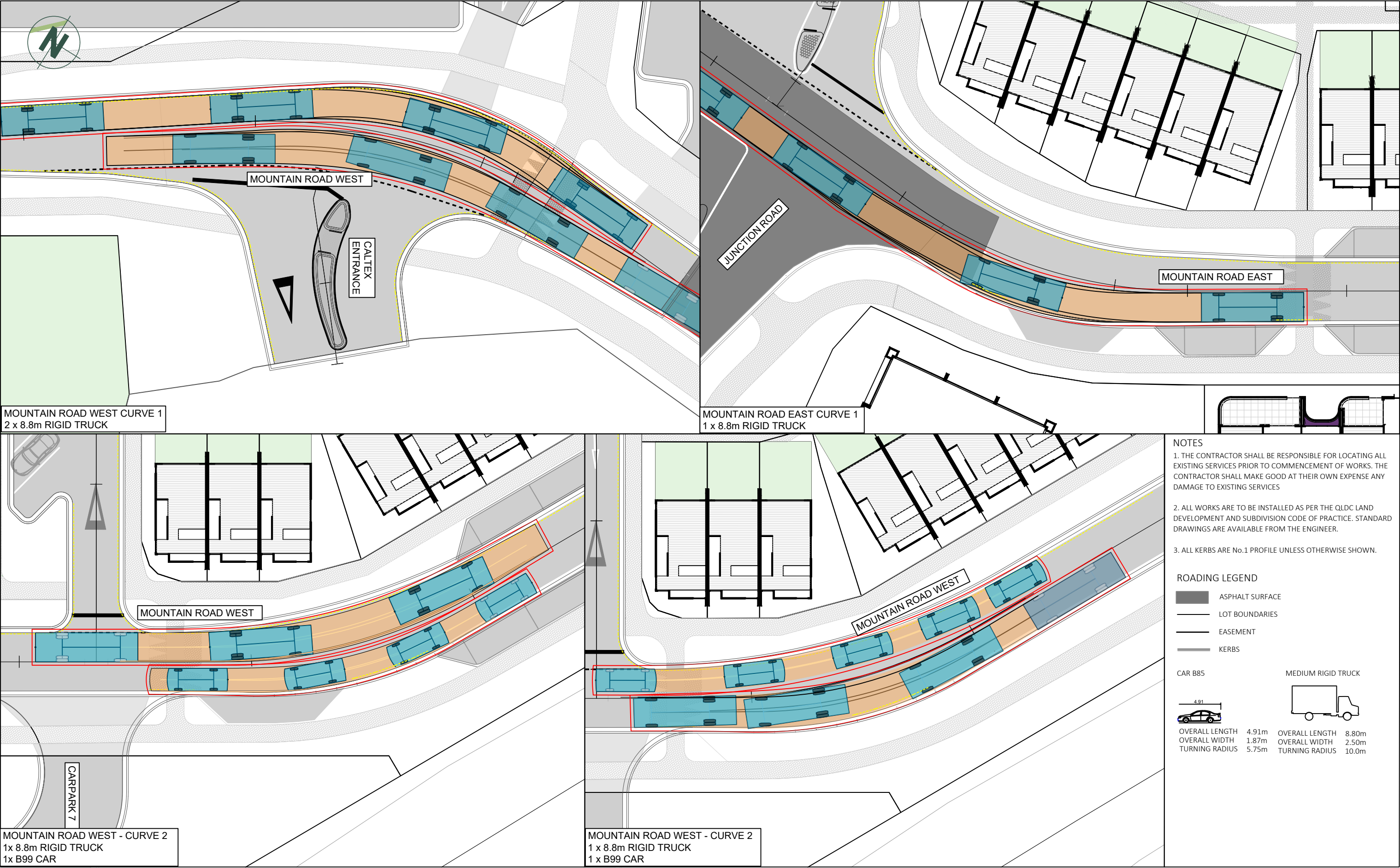
LEGEND

LOT BOUNDARIES

ASPHALT

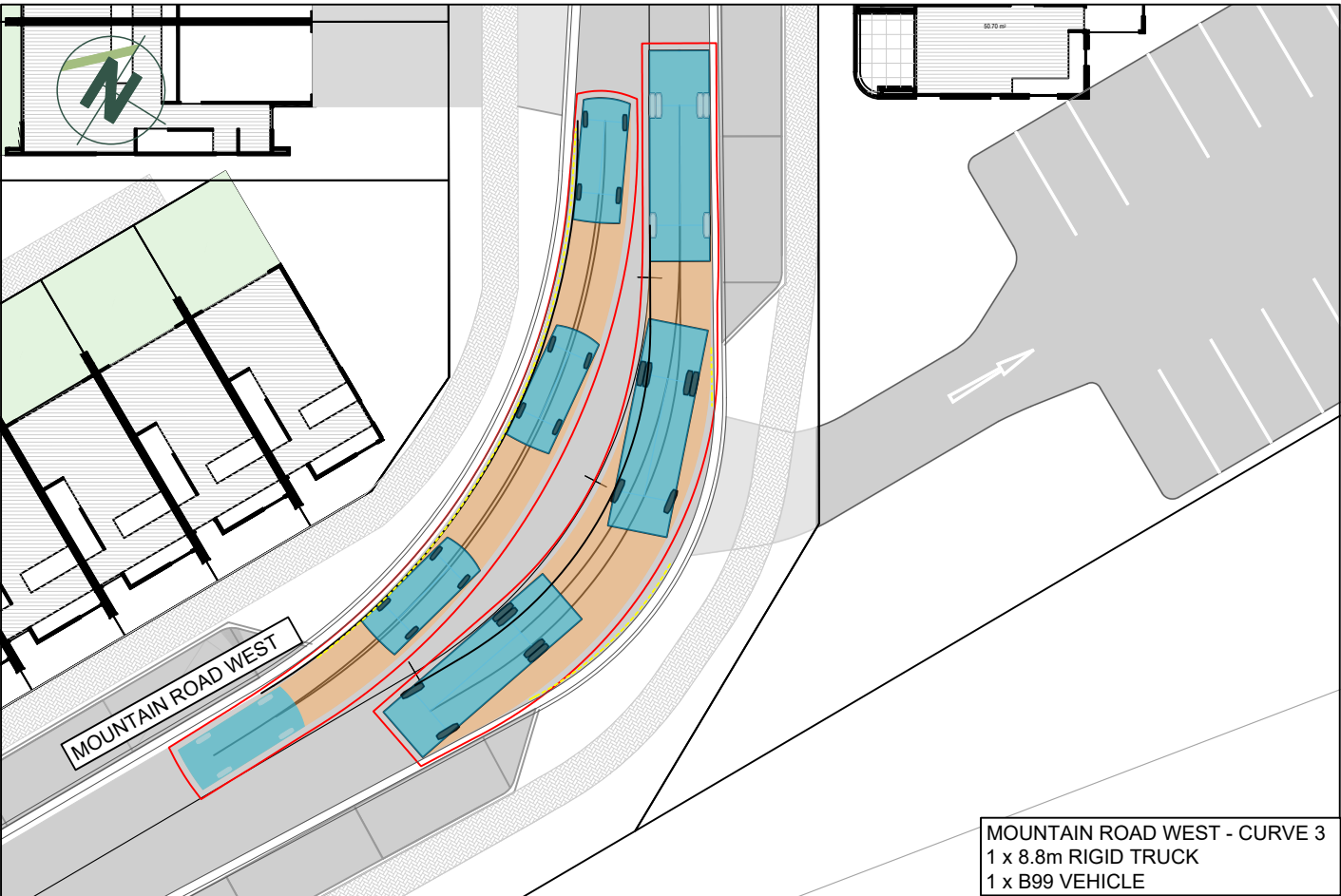
CONCRETE

KERBS

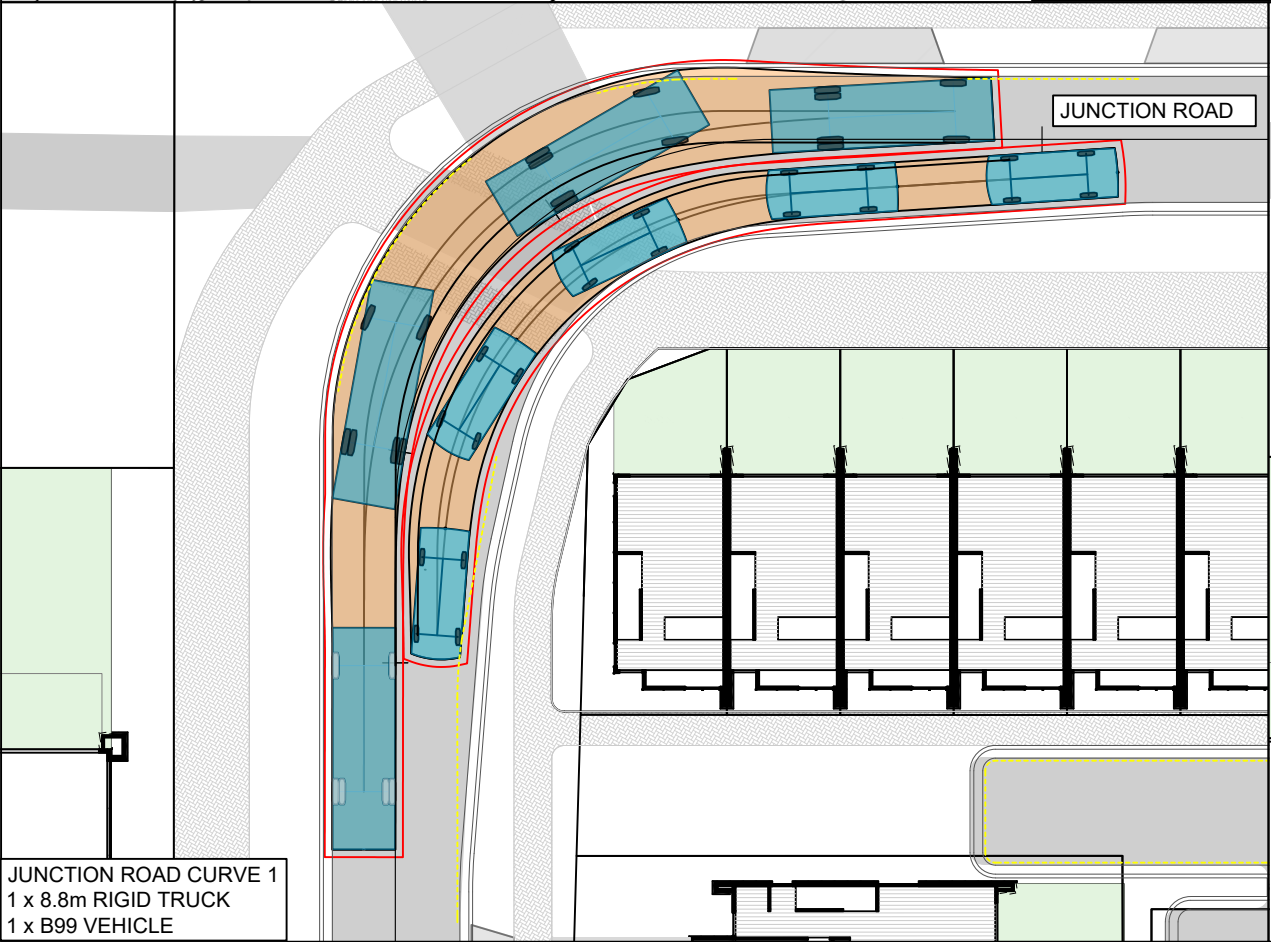


- NOTES
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES
 2. ALL WORKS ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE. STANDARD DRAWINGS ARE AVAILABLE FROM THE ENGINEER.
 3. ALL KERBS ARE No.1 PROFILE UNLESS OTHERWISE SHOWN.

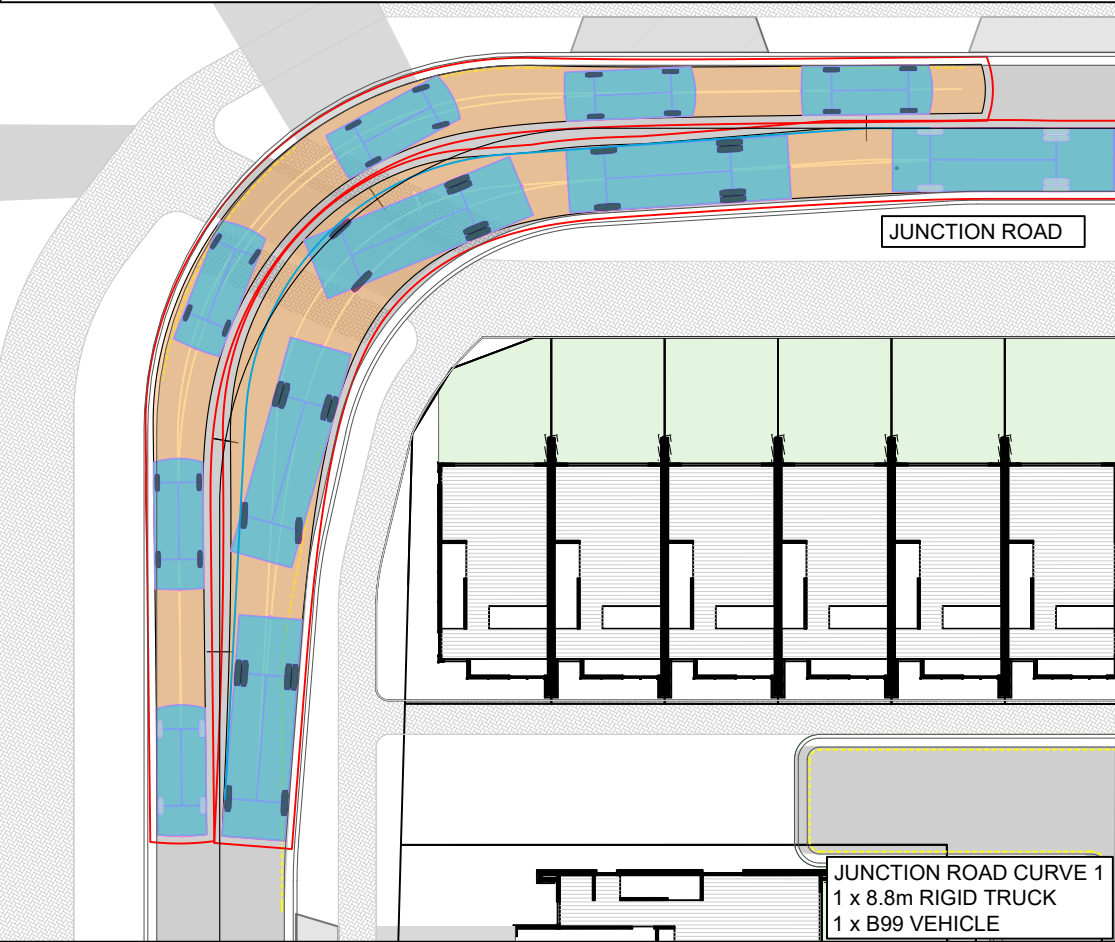
ROADING LEGEND	
	ASPHALT SURFACE
	LOT BOUNDARIES
	EASEMENT
	KERBS
CAR B85	
OVERALL LENGTH	4.91m
OVERALL WIDTH	1.87m
TURNING RADIUS	5.75m
MEDIUM RIGID TRUCK	
OVERALL LENGTH	8.80m
OVERALL WIDTH	2.50m
TURNING RADIUS	10.0m



MOUNTAIN ROAD WEST - CURVE 3
1 x 8.8m RIGID TRUCK
1 x B99 VEHICLE



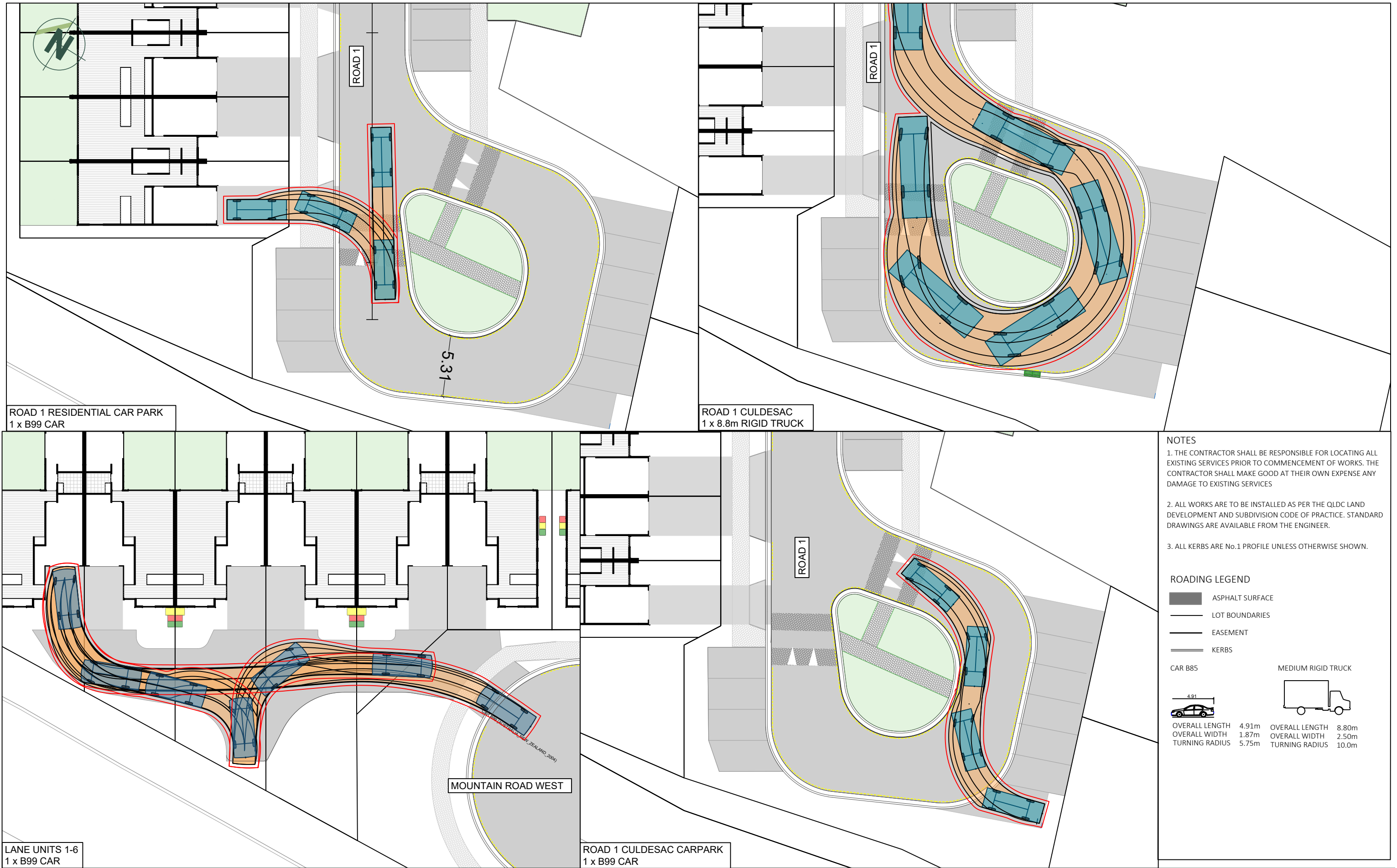
JUNCTION ROAD CURVE 1
1 x 8.8m RIGID TRUCK
1 x B99 VEHICLE

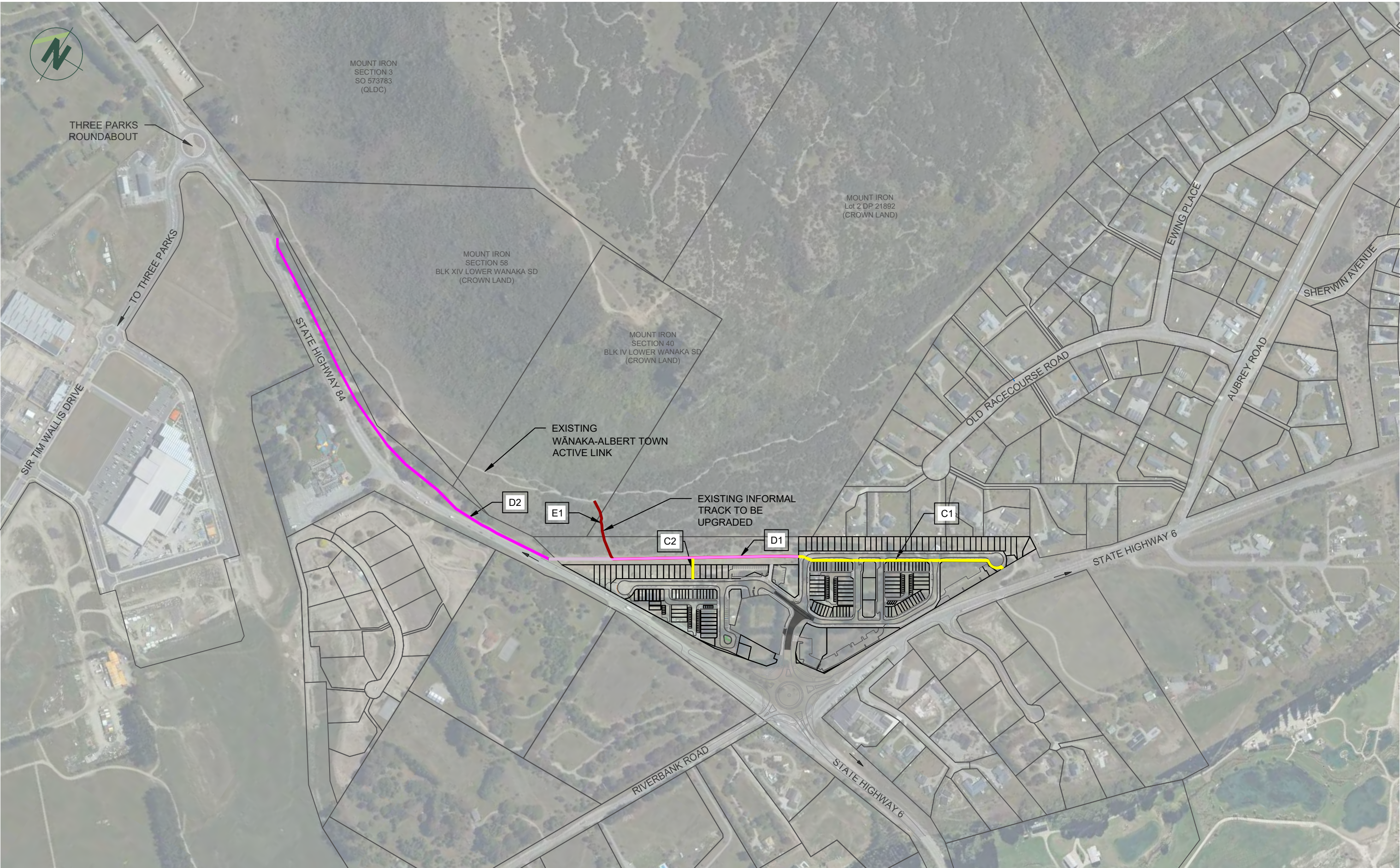


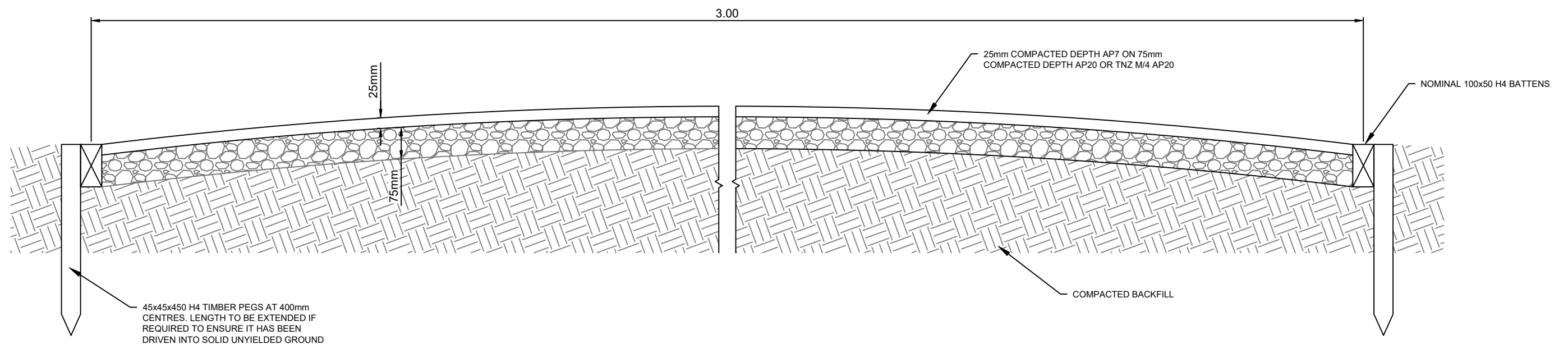
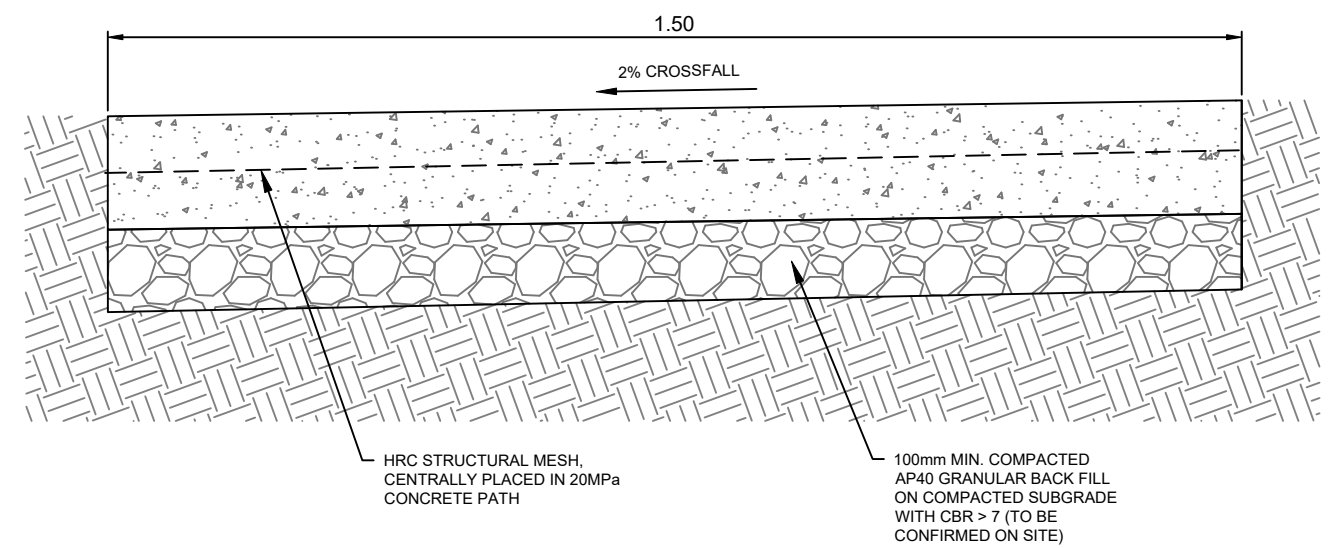
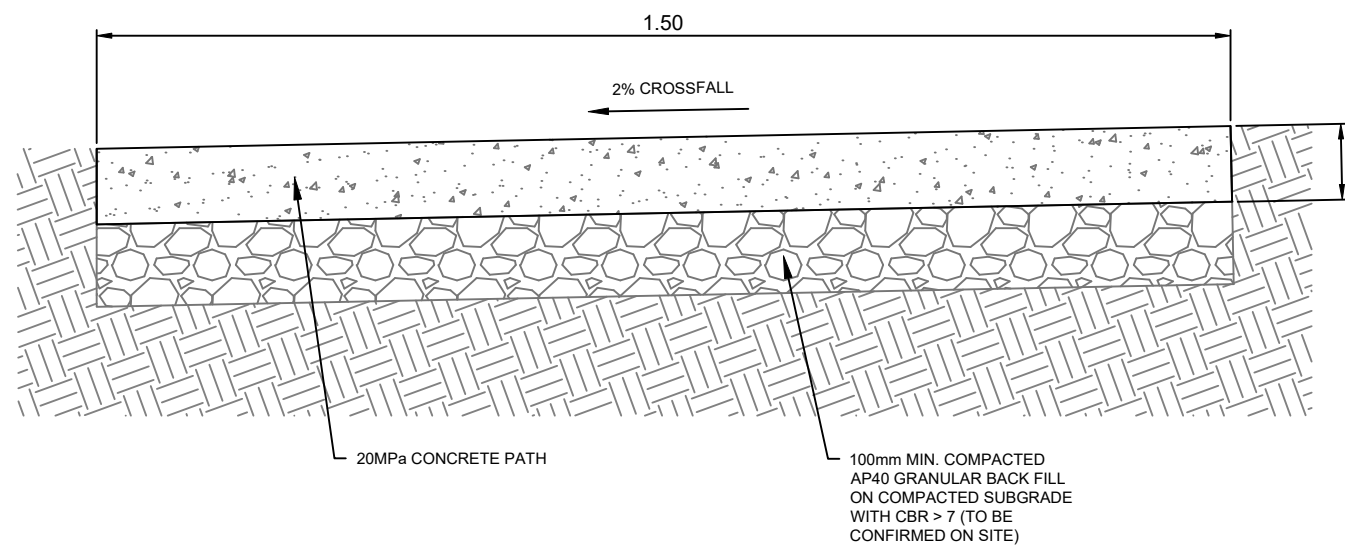
JUNCTION ROAD CURVE 1
1 x 8.8m RIGID TRUCK
1 x B99 VEHICLE

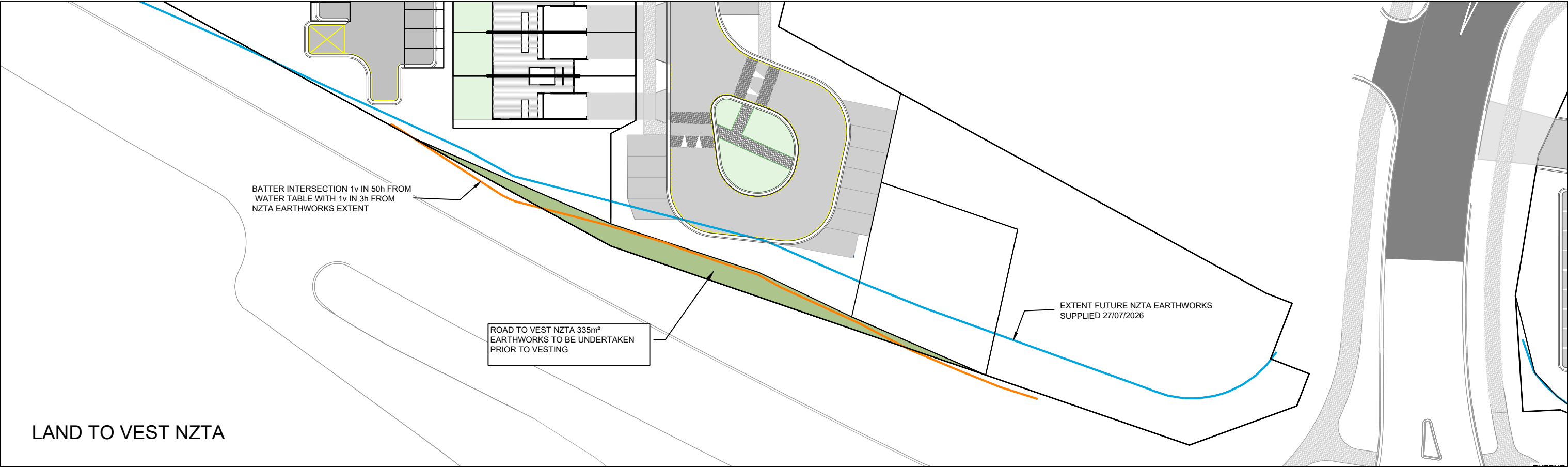
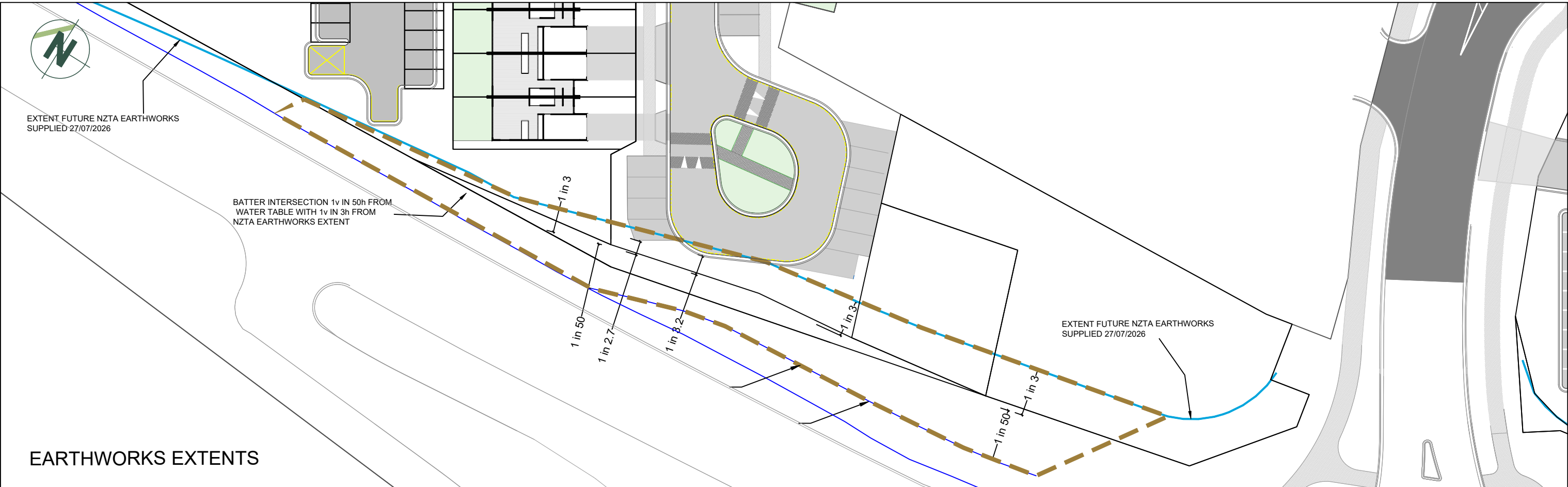
- NOTES
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES
 2. ALL WORKS ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE. STANDARD DRAWINGS ARE AVAILABLE FROM THE ENGINEER.
 3. ALL KERBS ARE No.1 PROFILE UNLESS OTHERWISE SHOWN.

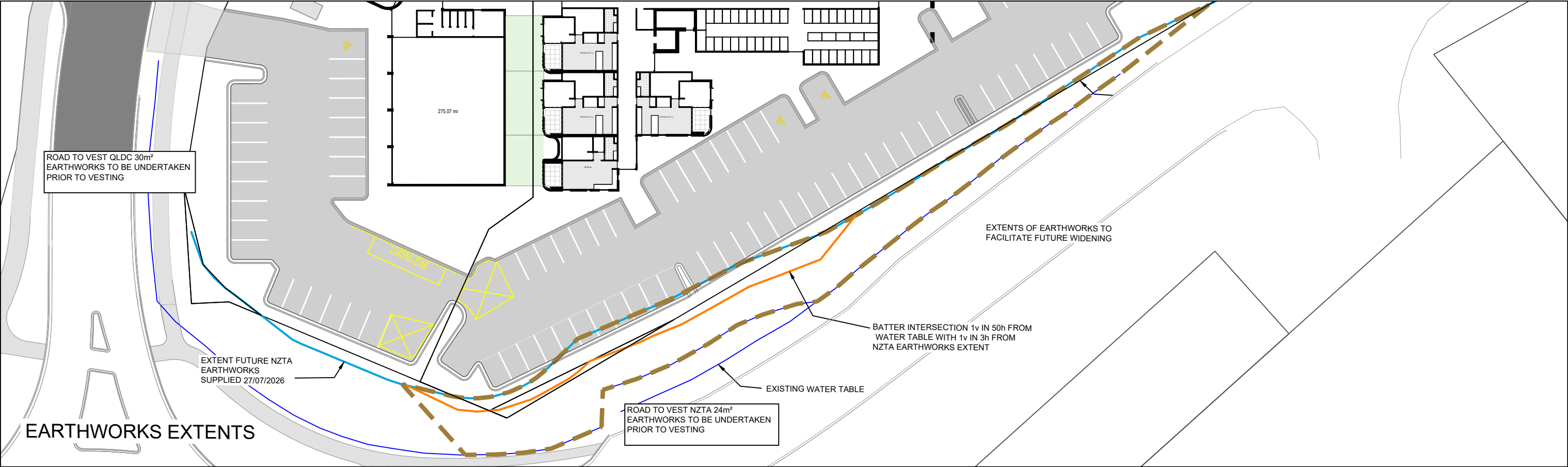
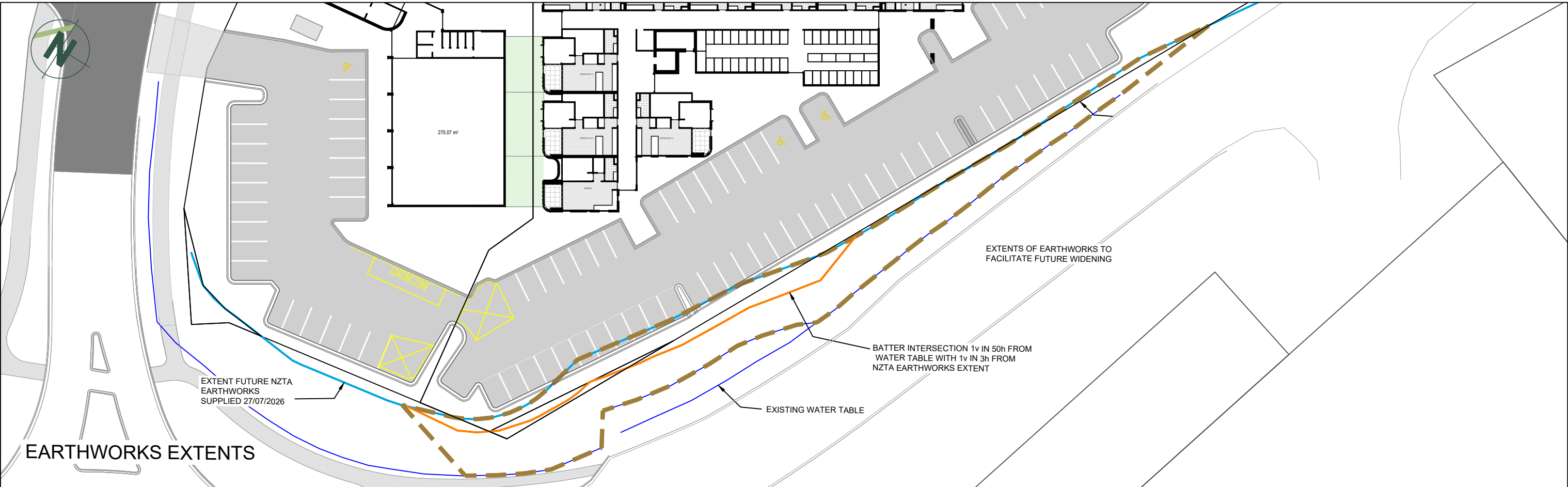
ROADING LEGEND	
	ASPHALT SURFACE
	LOT BOUNDARIES
	EASEMENT
	KERBS
CAR B85	
OVERALL LENGTH	4.91m
OVERALL WIDTH	1.87m
TURNING RADIUS	5.75m
MEDIUM RIGID TRUCK	
OVERALL LENGTH	8.80m
OVERALL WIDTH	2.50m
TURNING RADIUS	10.0m













MOUNT IRON
SECTION 40
BLK IV LOWER WANAKA SD
(CROWN LAND)

MOUNT IRON
LOT 2 DP 21892
(CROWN LAND)

LOT 5 DP 605028
QUEENSTOWN LAKES
DISTRICT COUNCIL
(LOCAL PURPOSE ACCESS
RESERVE)

LOT 2
DP 338608

LOT 2
DP 314781

LOT 1
DP 614617

LOT 2
DP 571619

LOT 2
DP 614617

LOT 2
DP 392818

PT CLOSED ROAD BLOCK IV
LOWER WANAKA SURVEY DISTRICT

TO WANAKA
TOWN CENTRE

TO ALBERT
TOWN

STATE HIGHWAY 84

MOUNTAIN ROAD
(LEGAL ROAD)

JUNCTION ROAD
(LEGAL ROAD)

STATE HIGHWAY 6

LOT 6
DP 577254

LOT 7
DP 577254

LOT 1
DP 349593

HEAD PLACE

BALNEAVES LANE

STATE
HIGHWAY 6
TO LUGGATE

RIVERBANK ROAD

LOT 2
DP 484102

LOT 2
DP 15016

NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES.
2. ALL WORKS ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE. STANDARD DRAWINGS ARE AVAILABLE FROM THE ENGINEER.
3. ALL PIPE DIAMETERS ARE NOMINAL DIAMETER UNLESS OTHERWISE STATED.
4. CHAINAGES SHOWN FOR LOT LATERAL CONNECTIONS ARE FROM CENTRE OF DOWNSTREAM MANHOLE.
5. ALL LOT LATERALS ARE $\varnothing 100\text{mm}$ UNLESS OTHERWISE STATED.
6. ALL STORMWATER AND WASTEWATER MANHOLES ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT & SUBDIVISION CODE OF PRACTICE STANDARD DRAWINGS B1-5 & B1-6.

DRAINAGE LEGEND

- LOT BOUNDARIES
- SW MANHOLE
- MAINTENANCE SHAFT
- SW DEC
- MUDTANK SINGLE / DOUBLE (MTXX-S) (MTXX-D)
- FS INFRASTRUCTURE
- FS INFRASTRUCTURE EXISTING
- FS INFRASTRUCTURE EXISTING (TO BE DECOMMISSIONED)
- FS LATERAL
- MAINTENANCE SHAFT

patersons.
Land Professionals

CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

DRAWING TITLE
CONSENT ENGINEERING DESIGN
DRAINAGE - OVERVIEW PLAN

DATUM INFORMATION
COORDINATE SYSTEM
NZGD 2000
LINDIS PEAK CIRCUIT
DATUM
ORIGIN OF COORDINATES
NZVD2016
ORIGIN OF LEVELS

REV	DRAWN	DATE	NOTE
01	PHJ	20.02.2026	Fast Track Application
02	PHJ	13.08.2026	Fast Track Minute 7 Response

STATUS **FOR RESOURCE CONSENT**

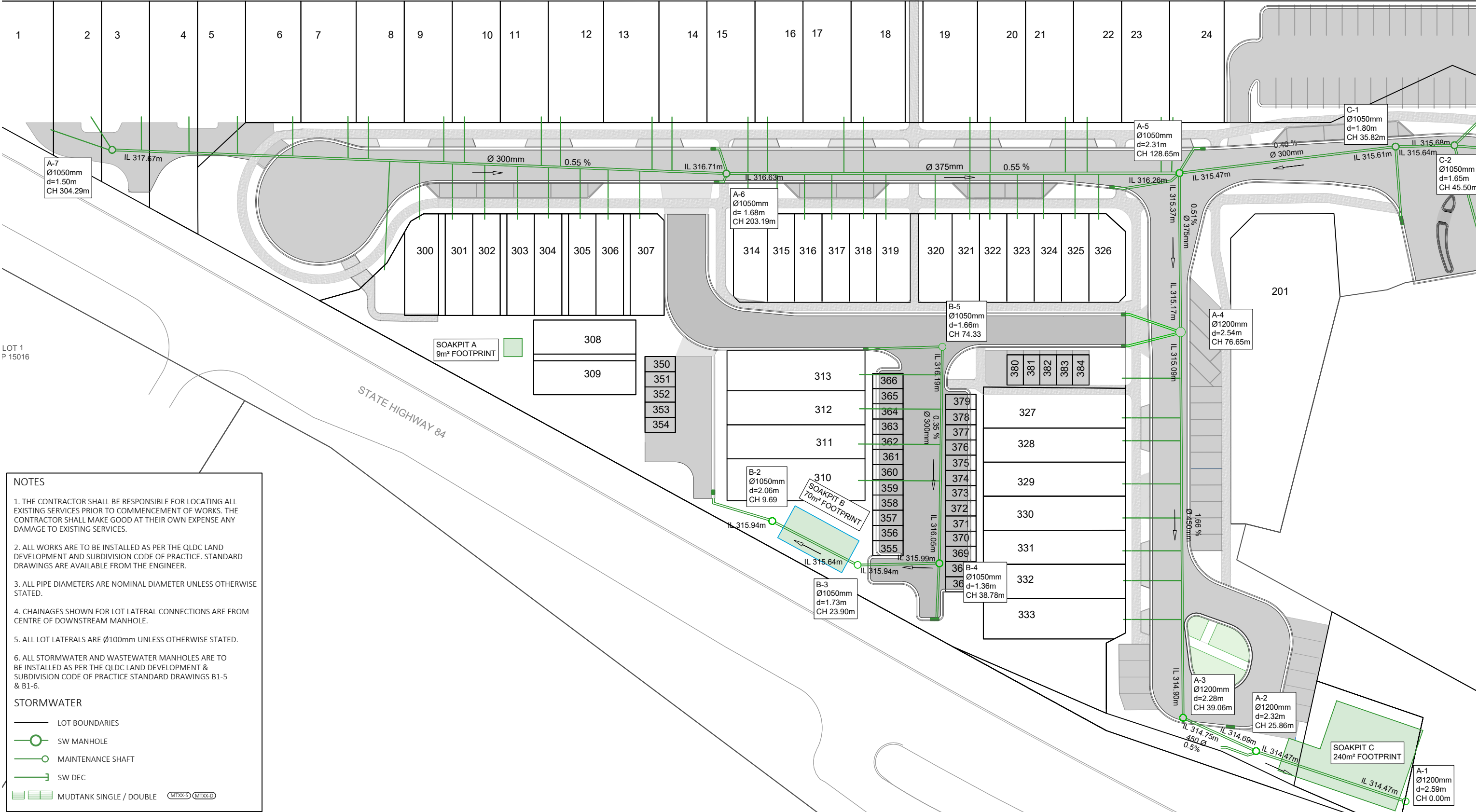
SURVEYED	LIDAR
DESIGNED	PHJ
DRAWN	SS
REVIEWED	AH
APPROVED	DLW

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PROJECT	P240103
DRAWING NO	003
SHEET	400
REVISION	2
SCALE (A3)	1:2000



PT CLOSED ROAD BLOCK IV
LOWER WANAKA SURVEY DISTRICT



NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES.

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3. ALL PIPE DIAMETERS ARE NOMINAL DIAMETER UNLESS OTHERWISE STATED.

4. CHAINAGES SHOWN FOR LOT LATERAL CONNECTIONS ARE FROM CENTRE OF DOWNSTREAM MANHOLE.

5. ALL LOT LATERALS ARE Ø100mm UNLESS OTHERWISE STATED.

6. ALL STORMWATER AND WASTEWATER MANHOLES ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT & SUBDIVISION CODE OF PRACTICE STANDARD DRAWINGS B1-5 & B1-6.

STORMWATER

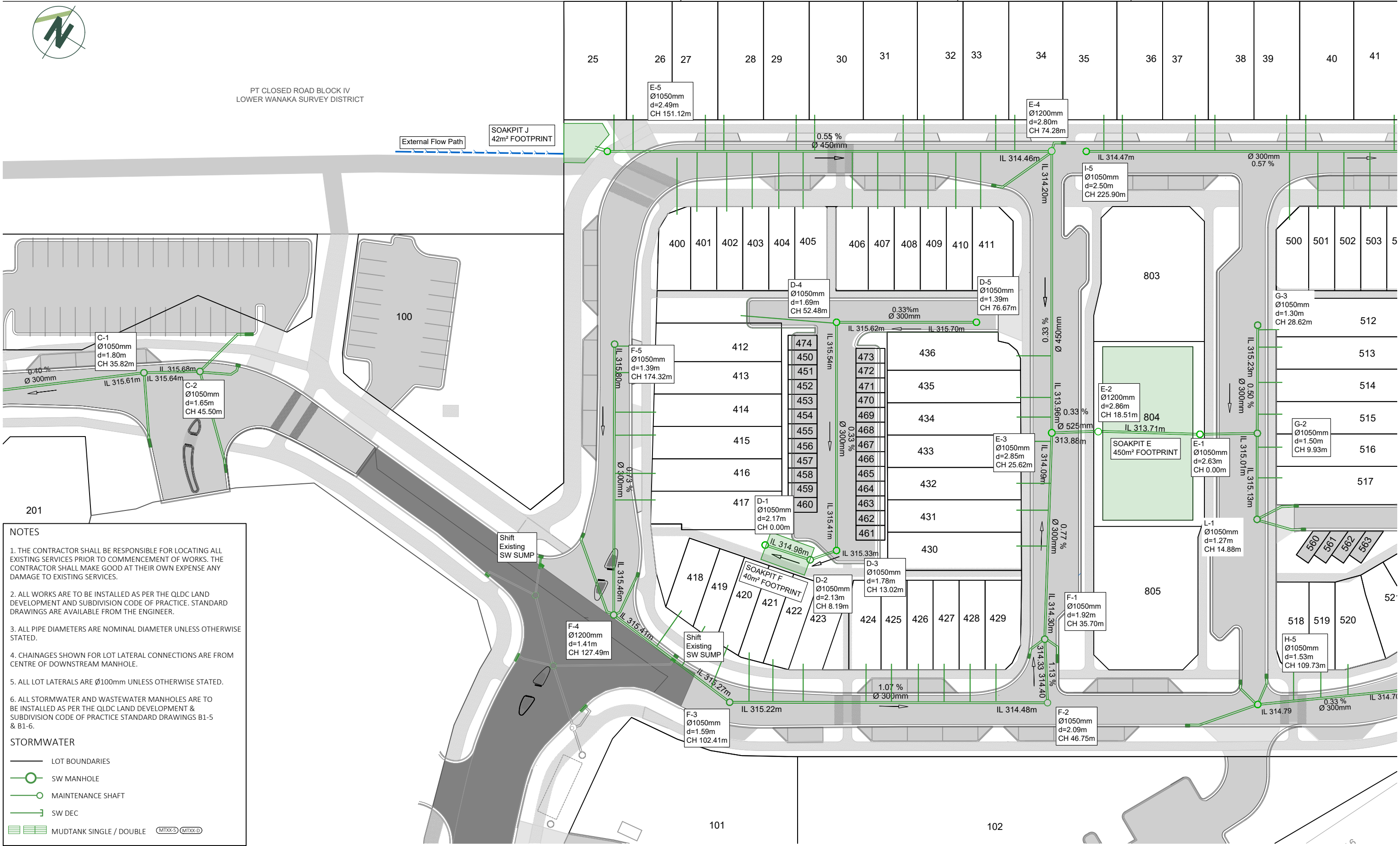
LOT BOUNDARIES

SW MANHOLE

MAINTENANCE SHAFT

SW DEC

MUDTANK SINGLE / DOUBLE



NOTES

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STORMWATER

LOT BOUNDARIES

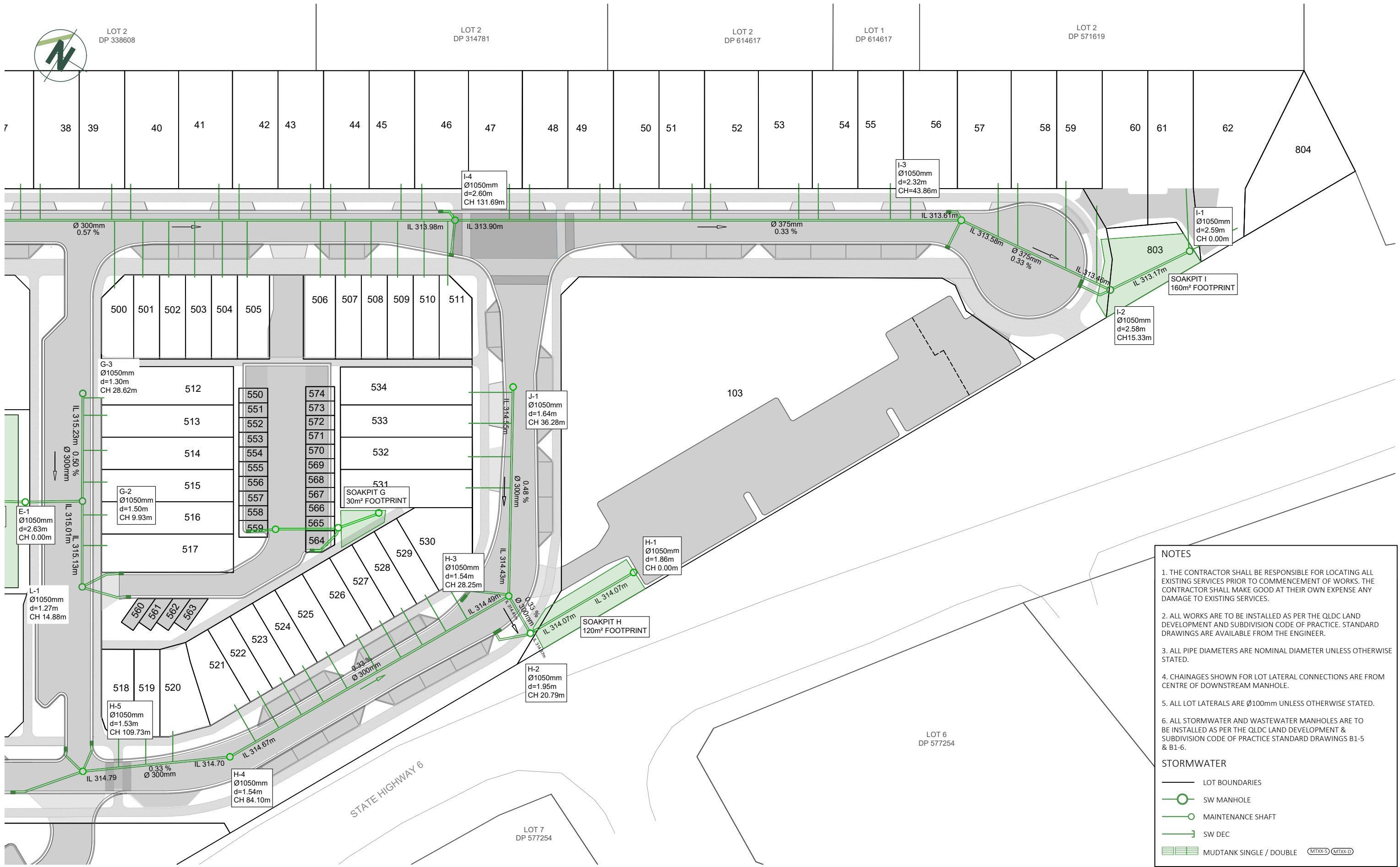
SW MANHOLE

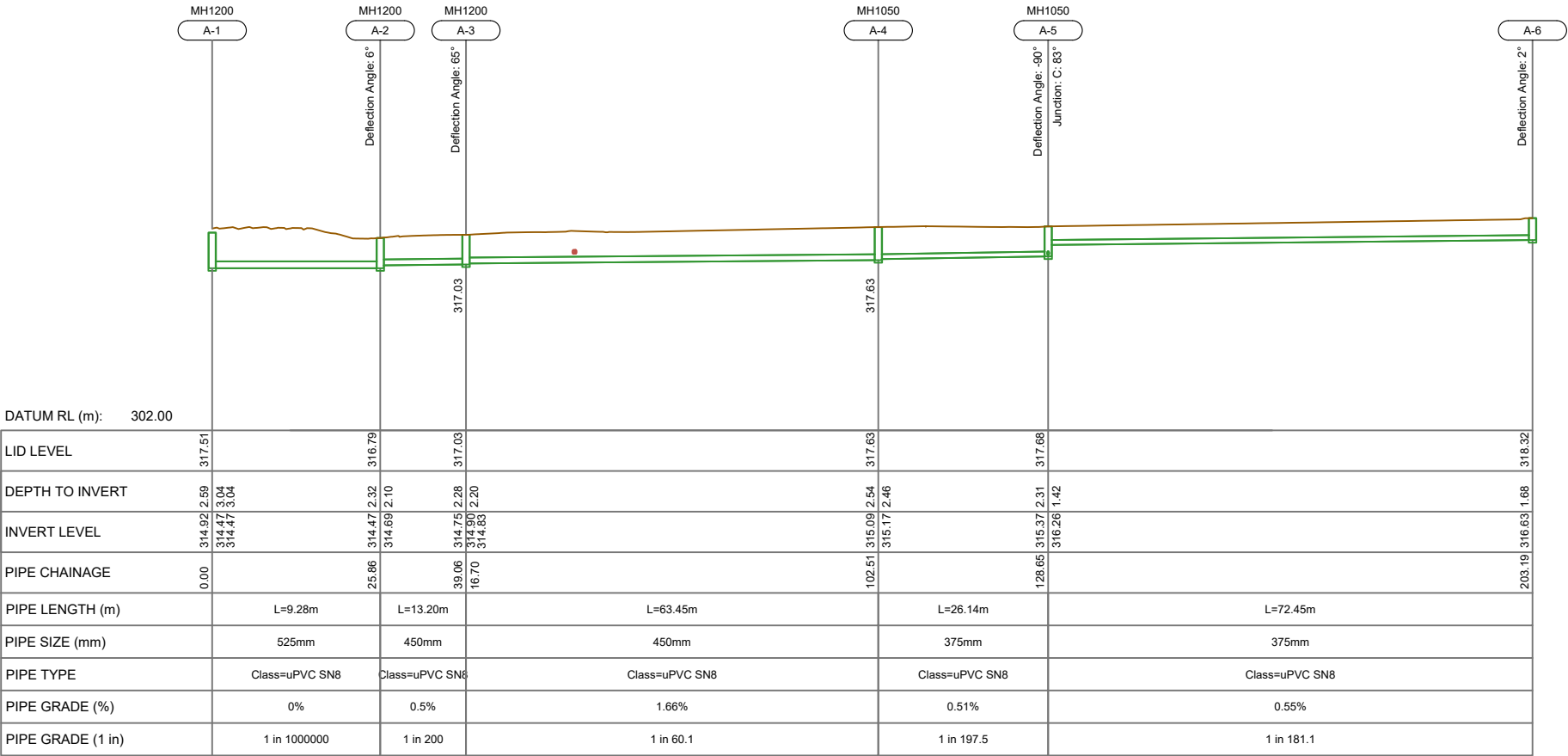
MAINTENANCE SHAFT

SW DEC

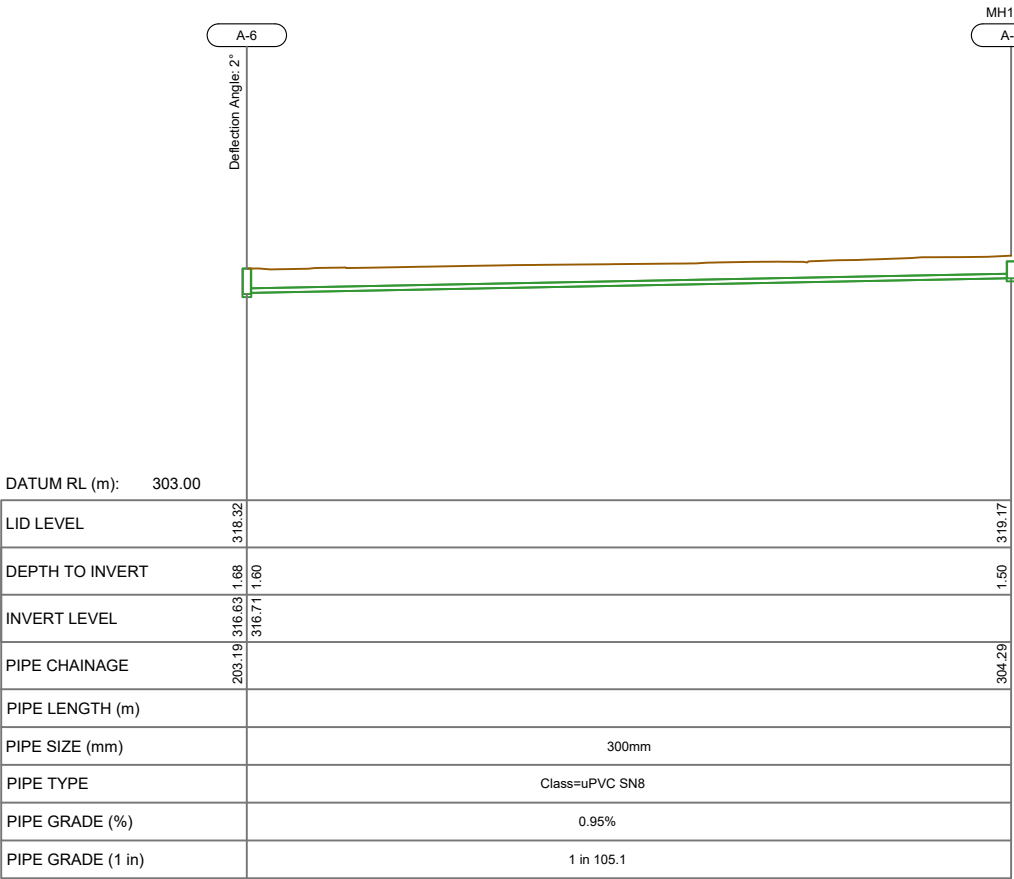
MUDTANK SINGLE / DOUBLE

	CLIENT	DRAWING TITLE	DATUM INFORMATION	REV	DRAWN	DATE	NOTE	SURVEYED	LIDAR	PROJECT	P240103	
	MT IRON JUNCTION LTD JUNCTION ROAD, WANAKA	CONSENT ENGINEERING DESIGN STORMWATER LAYOUT SHEET B	COORDINATE SYSTEM	NZGD 2000	01	PHJ	20.02.2026	Fast Track Application	DESIGNED	PHJ	DRAWING NO	003
			LINDIS PEAK CIRCUIT	02	PHJ	13.08.2026	Fast Track Minute 7 Response	DRAWN	SS	SHEET	400B	
			DATUM	STATUS		FOR RESOURCE CONSENT		REVIEWED	AH	REVISION	2	
			ORIGIN OF COORDINATES					APPROVED	DLW	SCALE (A3)	1:600	
			ORIGIN OF LEVELS					© Paterson Pitts Limited Partnership				

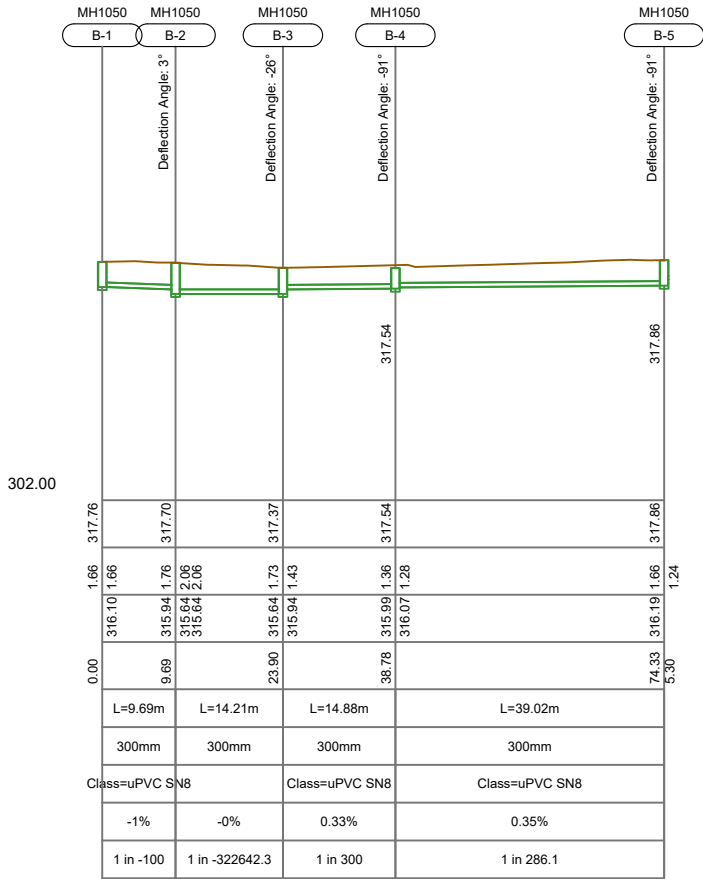




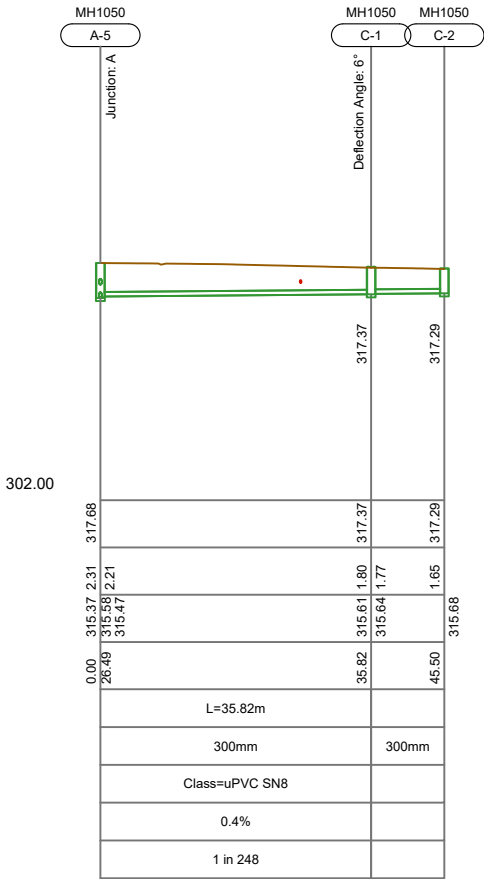
LONG SECTION: A



LONG SECTION: A



LONG SECTION: B



LONG SECTION: C



CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

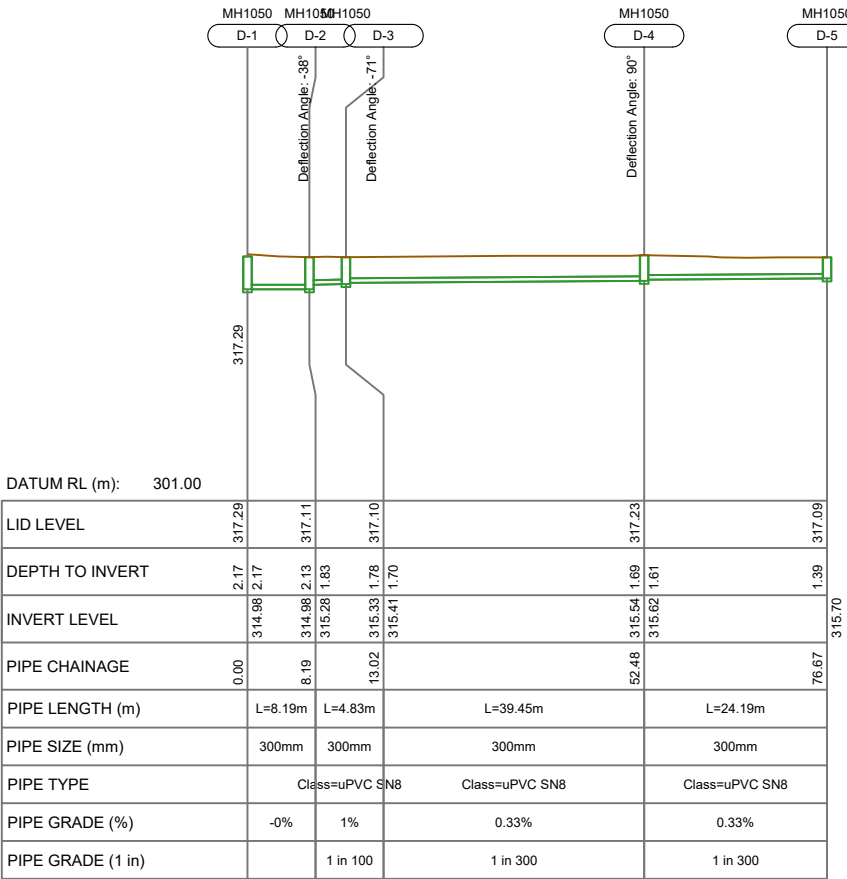
DRAWING TITLE
CONSENT ENGINEERING DESIGN
STORMWATER LONGSECTIONS

DATUM INFORMATION
COORDINATE SYSTEM
LINDIS PEAK CIRCUIT
DATUM
ORIGIN OF COORDINATES
ORIGIN OF LEVELS

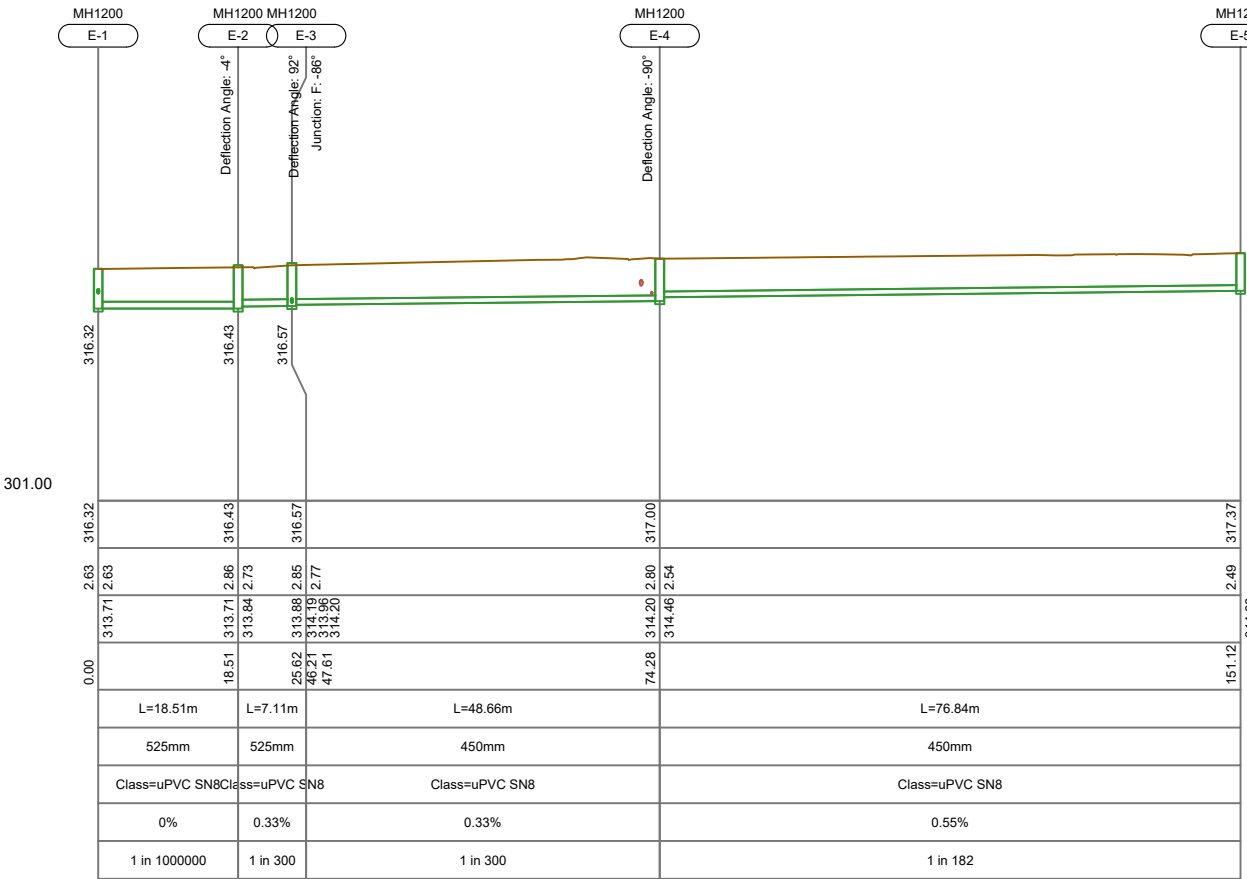
REV
01
02
DRAWN
PHJ
PHJ
DATE
20.02.2026
13.08.2026
NOTE
Fast Track Application
Fast Track Minute 7 Response
STATUS
FOR RESOURCE CONSENT

SURVEYED
DESIGNED
DRAWN
REVIEWED
APPROVED
LIDAR
PHJ
SS
AH
DLW
© Paterson Pitts Limited Partnership

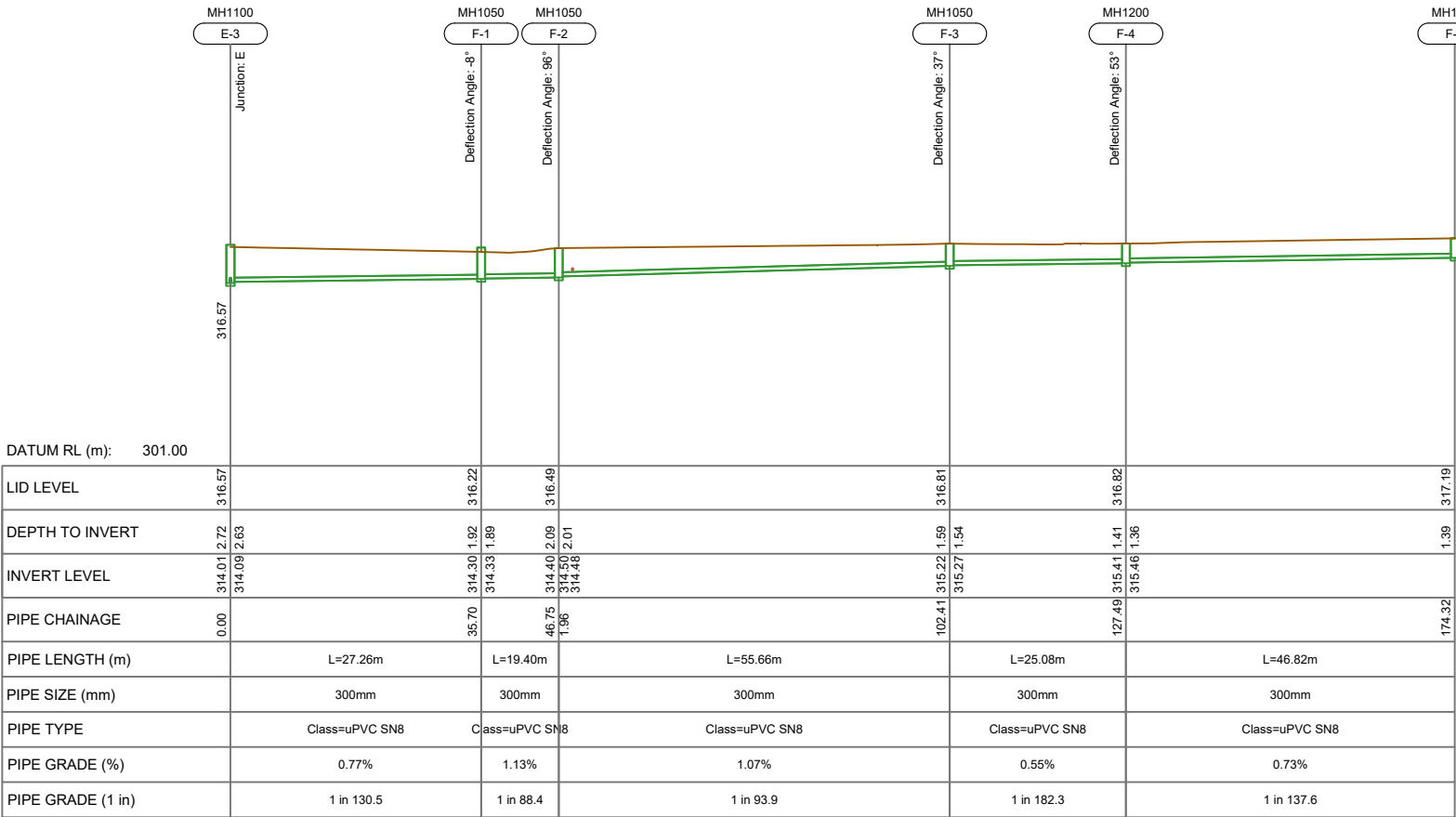
PROJECT
DRAWING NO
SHEET
REVISION
SCALE (A3)
P240103
003
410
2
1:2000



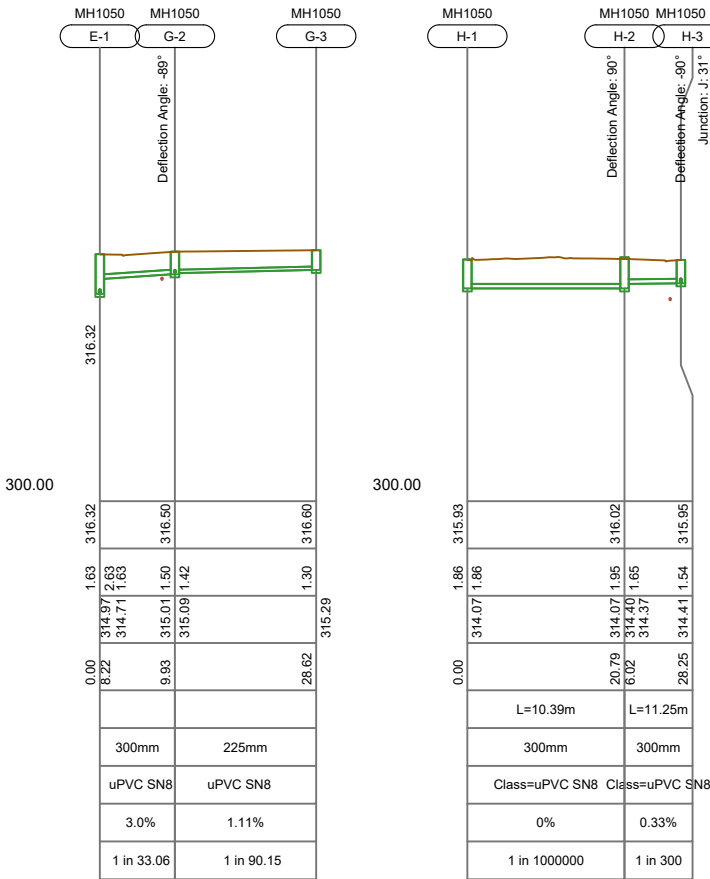
LONG SECTION: D



LONG SECTION: E



LONG SECTION: F



LONG SECTION: G



LONG SECTION: H



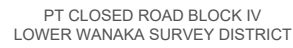
CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

DRAWING TITLE
CONSENT ENGINEERING DESIGN
STORMWATER LONGSECTIONS

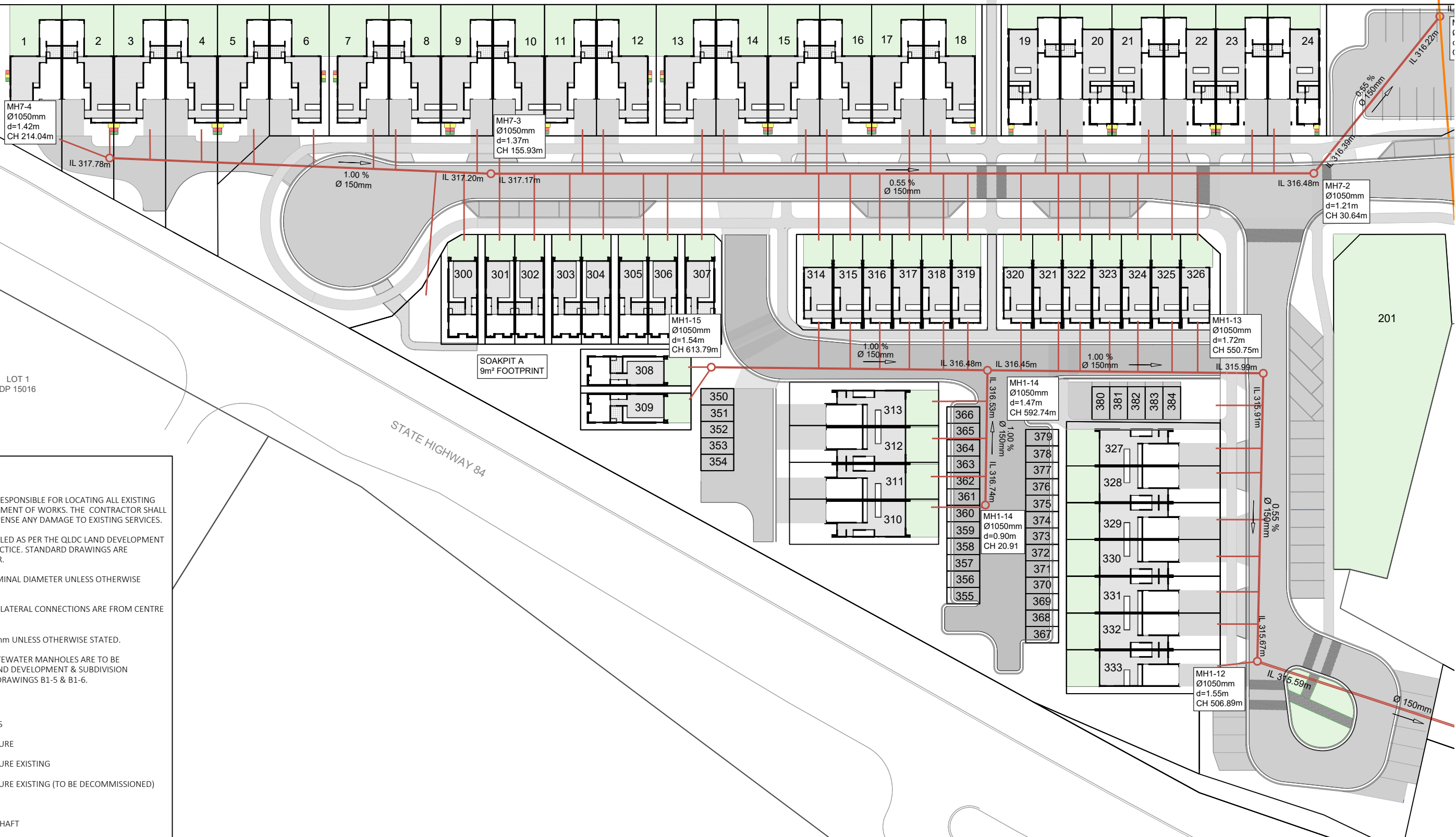
DATUM INFORMATION
COORDINATE SYSTEM
LINDIS PEAK CIRCUIT
DATUM
ORIGIN OF COORDINATES
ORIGIN OF LEVELS
REV 01 PHJ 20.02.2026 Fast Track Application
REV 02 PHJ 13.08.2026 Fast Track Minute 7 Response
STATUS FOR RESOURCE CONSENT

SURVEYED
DESIGNED
DRAWN
REVIEWED
APPROVED
© Paterson Pitts Limited Partnership

PROJECT P240103
DRAWING NO 003
SHEET 411
REVISION 2
SCALE (A3) 1:2000



EXISTING Ø 375mm
WASTEWATER MAIN



1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES.

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4. CHAINAGES SHOWN FOR LOT LATERAL CONNECTIONS ARE FROM CENTRE OF DOWNSTREAM MANHOLE.

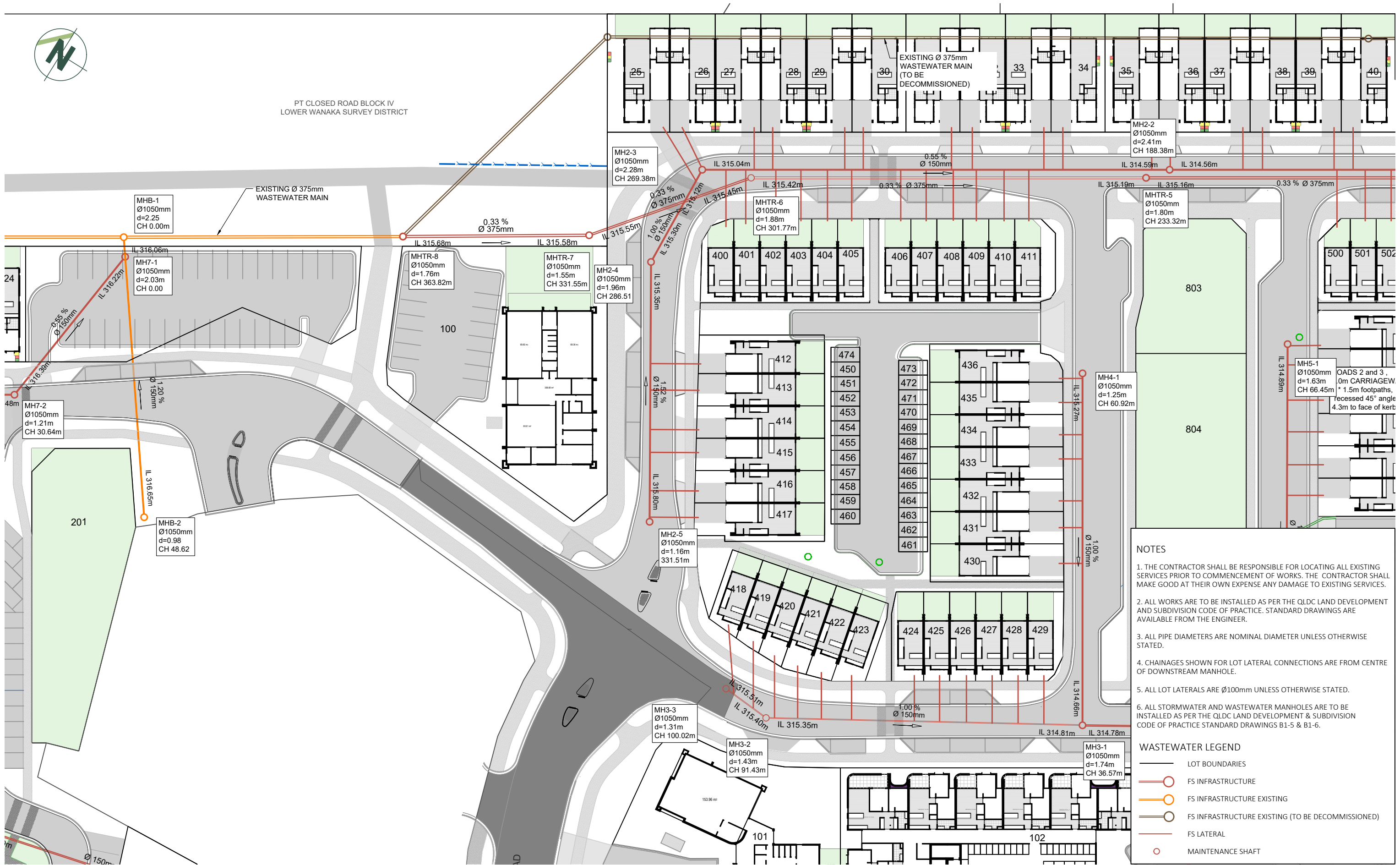
5. ALL LOT LATERALS ARE Ø100mm UNLESS OTHERWISE STATED.

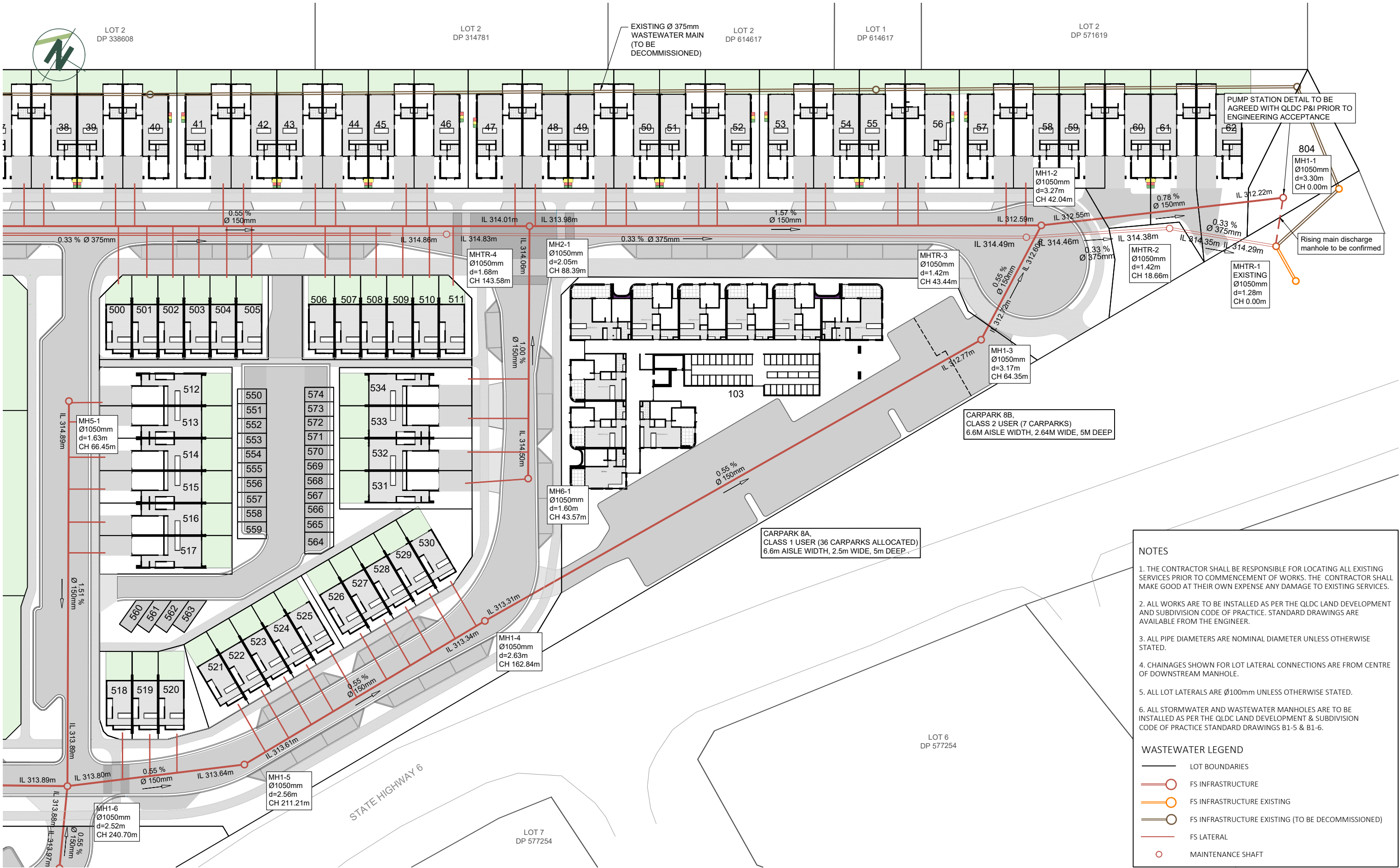
6. ALL STORMWATER AND WASTEWATER MANHOLES ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT & SUBDIVISION CODE OF PRACTICE STANDARD DRAWINGS B1-5 & B1-6.

 LOT BOUNDARIES
 FS INFRASTRUCTURE
 FS INFRASTRUCTURE EXISTING
 FS INFRASTRUCTURE EXISTING (TO BE DECOMMISSIONED)
 FS LATERAL
 MAINTENANCE SHAFT

PROJECT	P240103
DRAWING NO	003
SHEET	500A
REVISION	2
SCALE (A3)	1:600







NOTES

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WASTEWATER LEGEND

LOT BOUNDARIES

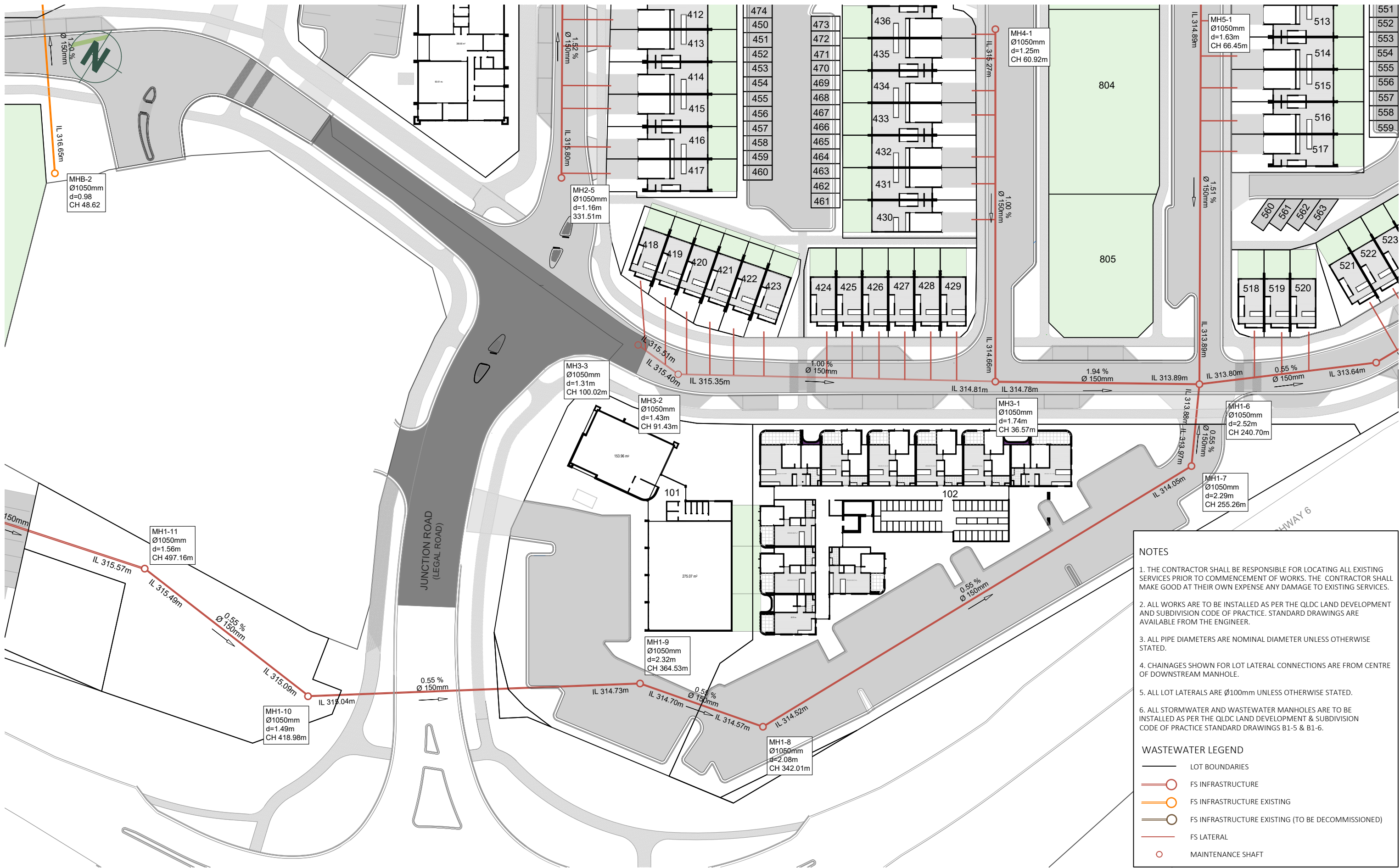
FS INFRASTRUCTURE

FS INFRASTRUCTURE EXISTING

FS INFRASTRUCTURE EXISTING (TO BE DECOMMISSIONED)

FS LATERAL

MAINTENANCE SHAFT

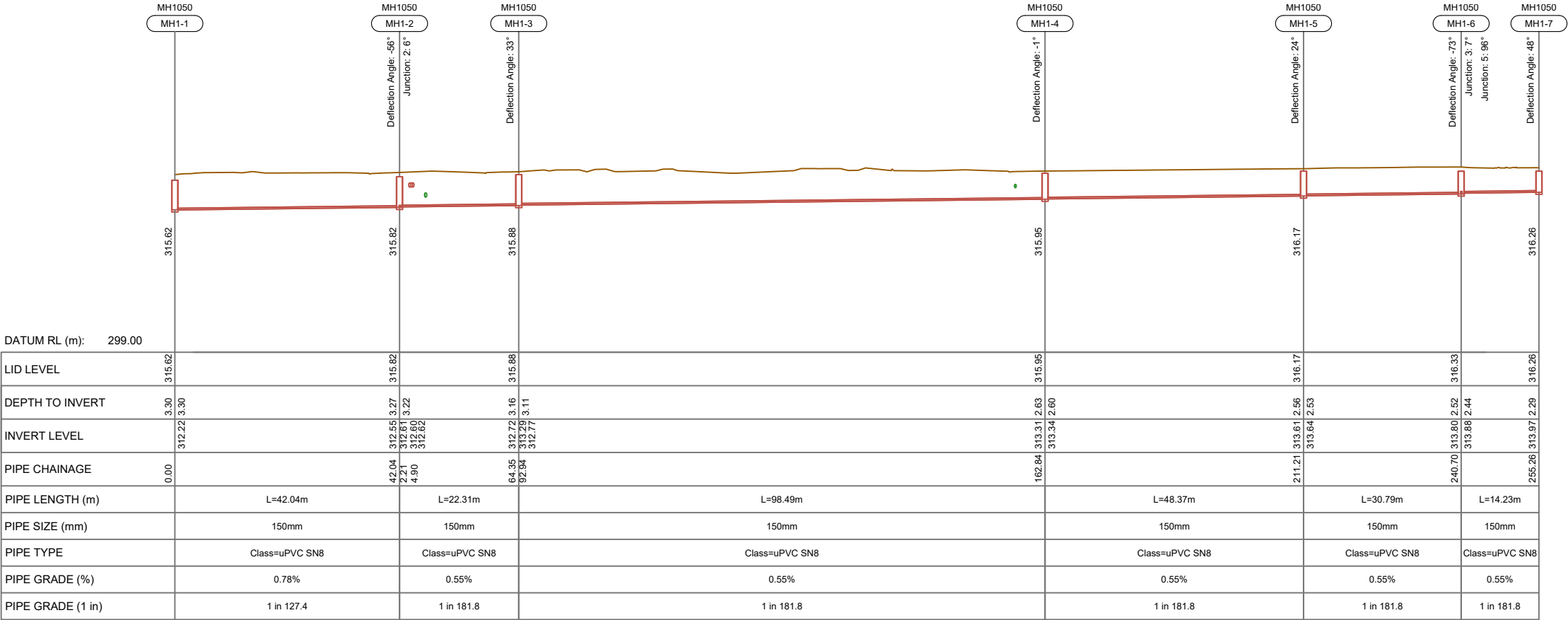


NOTES

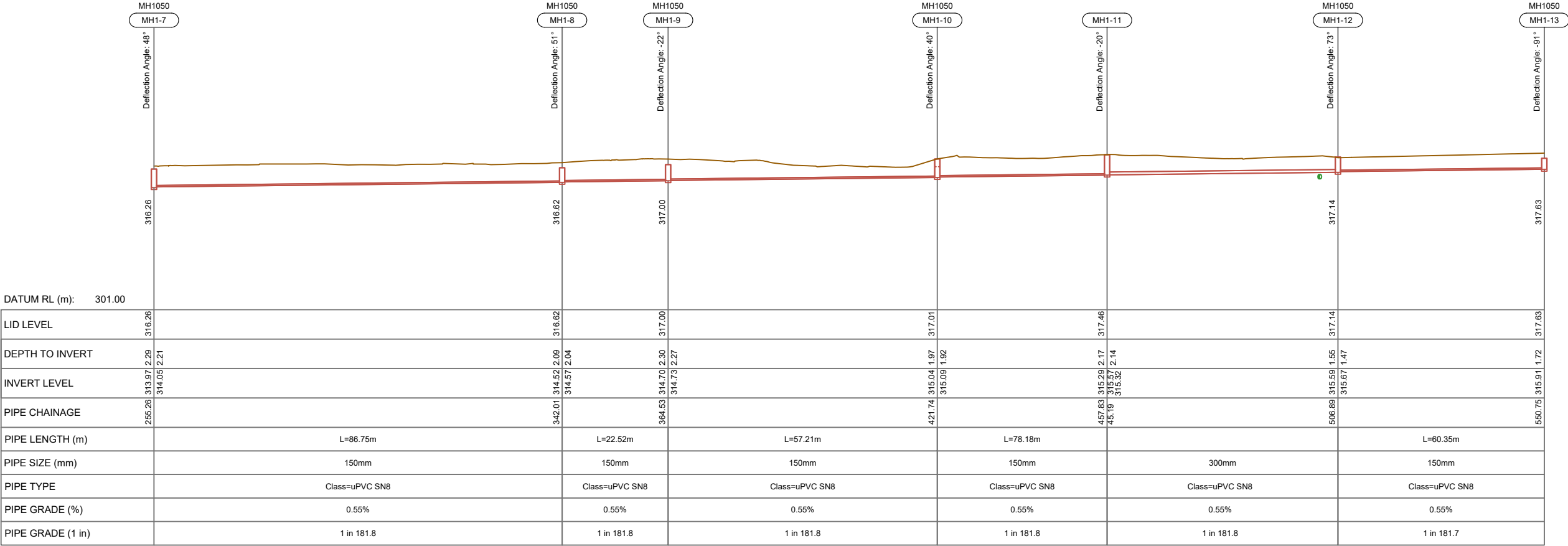
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WASTEWATER LEGEND

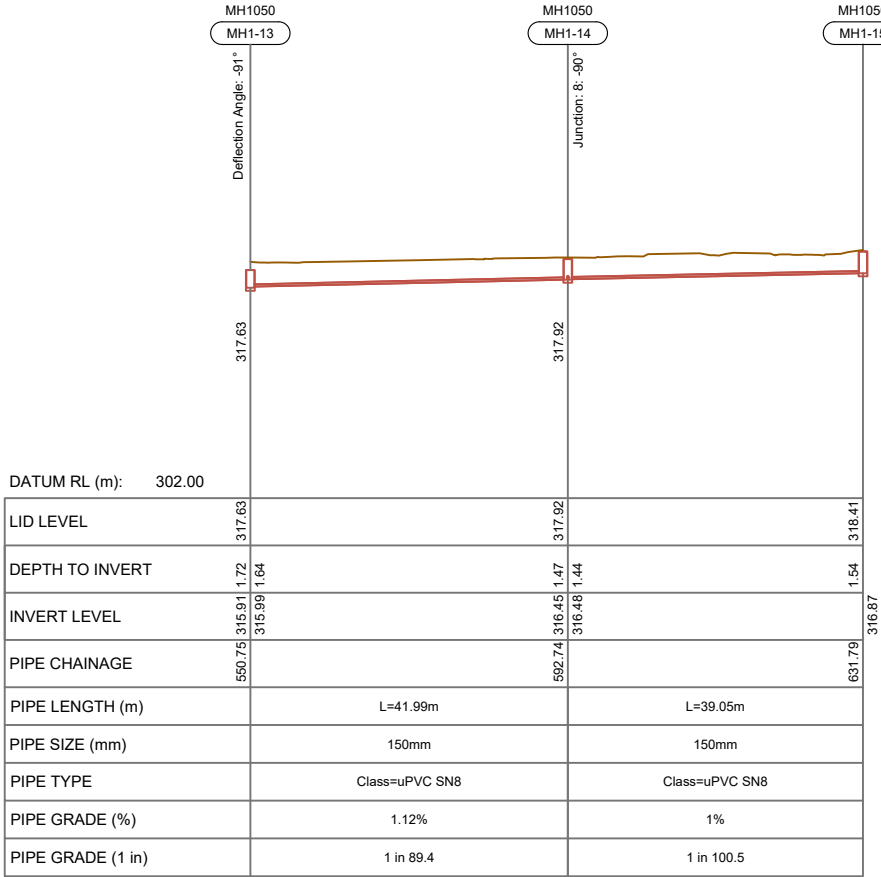
- LOT BOUNDARIES
- FS INFRASTRUCTURE
- FS INFRASTRUCTURE EXISTING
- FS INFRASTRUCTURE EXISTING (TO BE DECOMMISSIONED)
- FS LATERAL
- MAINTENANCE SHAFT



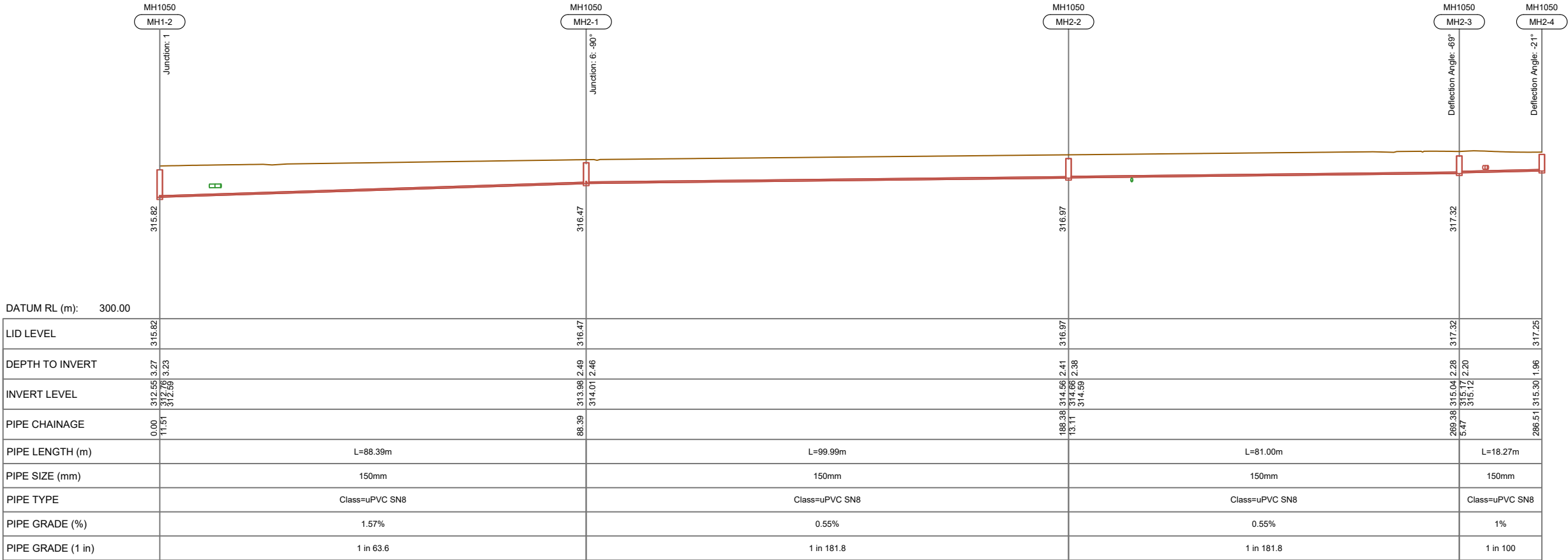
LONG SECTION: 1



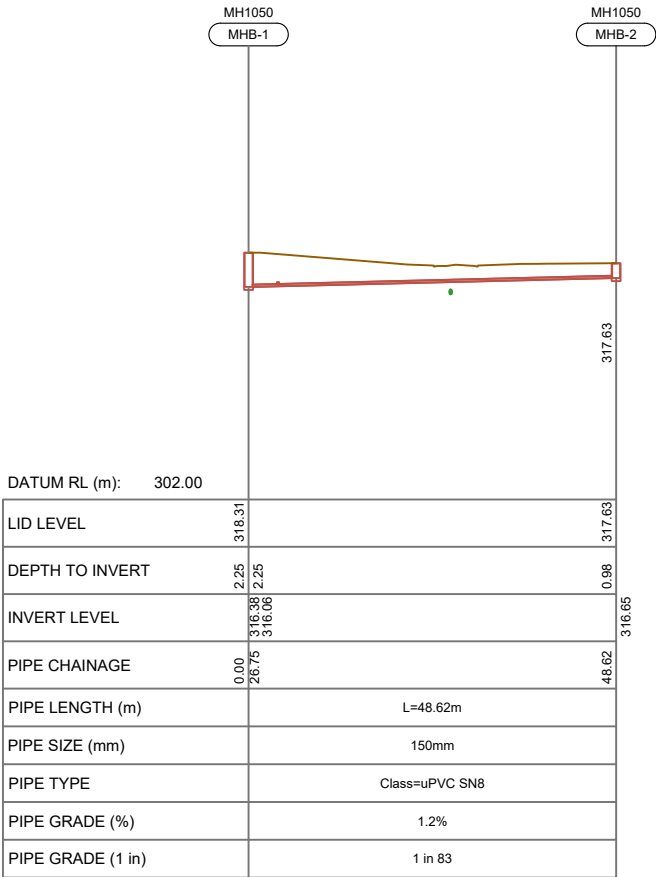
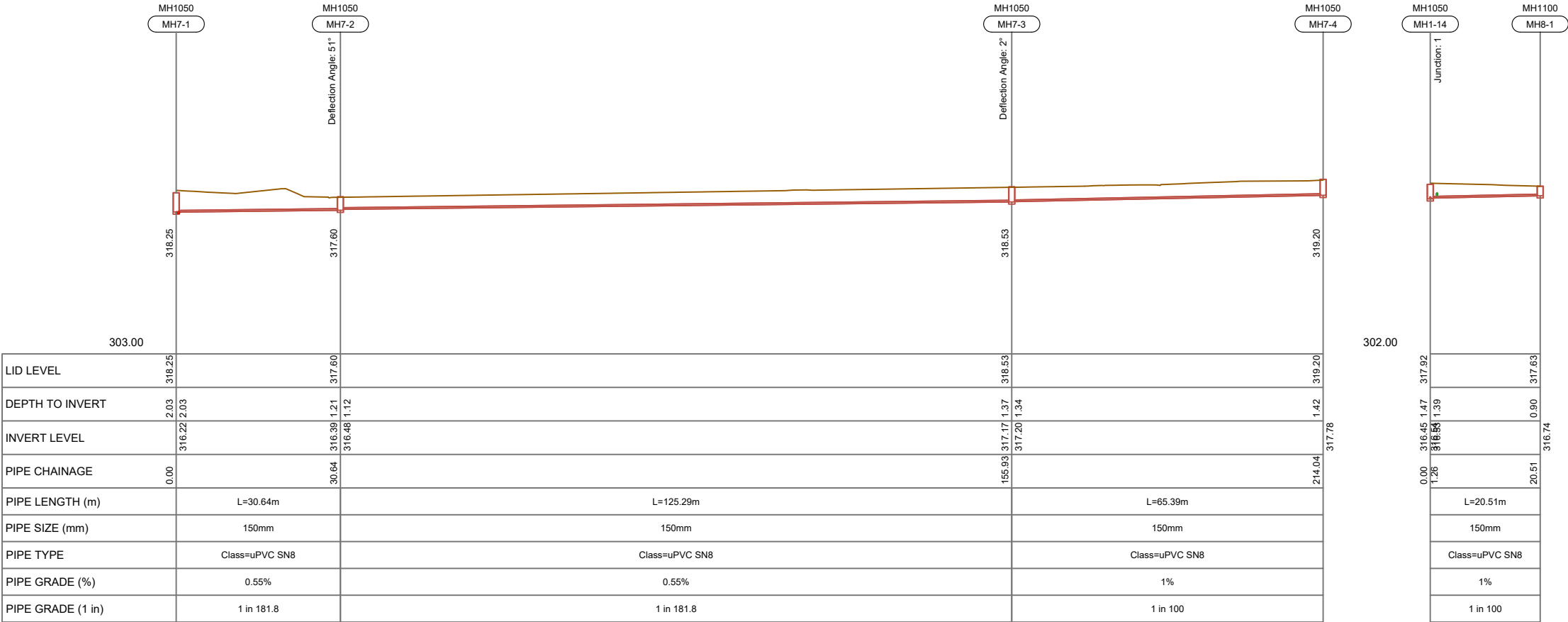
LONG SECTION: 1



LONG SECTION: 1



LONG SECTION: 2



EXISTING SEWER B (CALTEX)



CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

DRAWING TITLE
CONSENT ENGINEERING DESIGN
WASTEWATER LONGSECTIONS 4

DATUM INFORMATION
COORDINATE SYSTEM
LINDIS PEAK CIRCUIT
DATUM
ORIGIN OF COORDINATES
ORIGIN OF LEVELS

NZGD 2000
NZVD2016

REV 01
DRAWN PHJ
DATE 20.02.2026
NOTE Fast Track Application

REV 02
DRAWN PHJ
DATE 13.08.2026
NOTE Fast Track Minute 7 Response

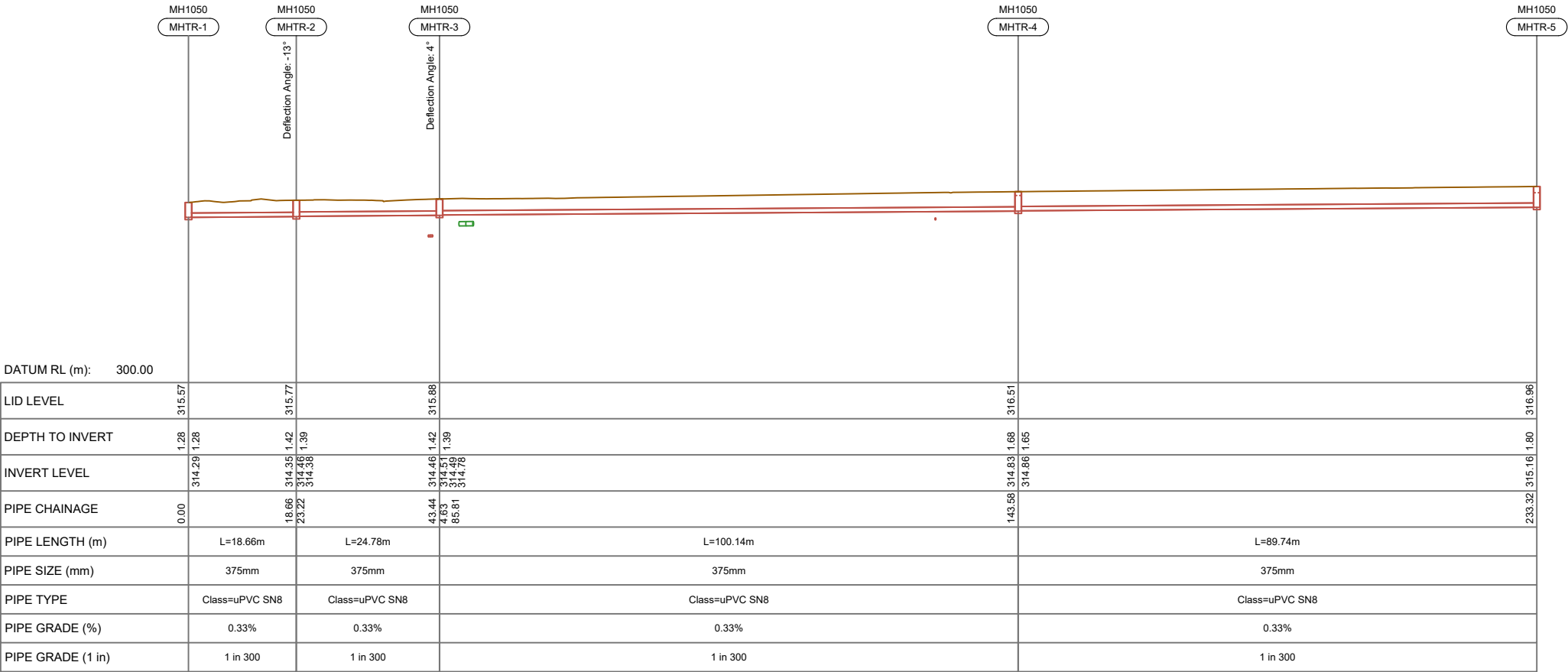
STATUS **FOR RESOURCE CONSENT**

SURVEYED
DESIGNED
DRAWN
REVIEWED
APPROVED

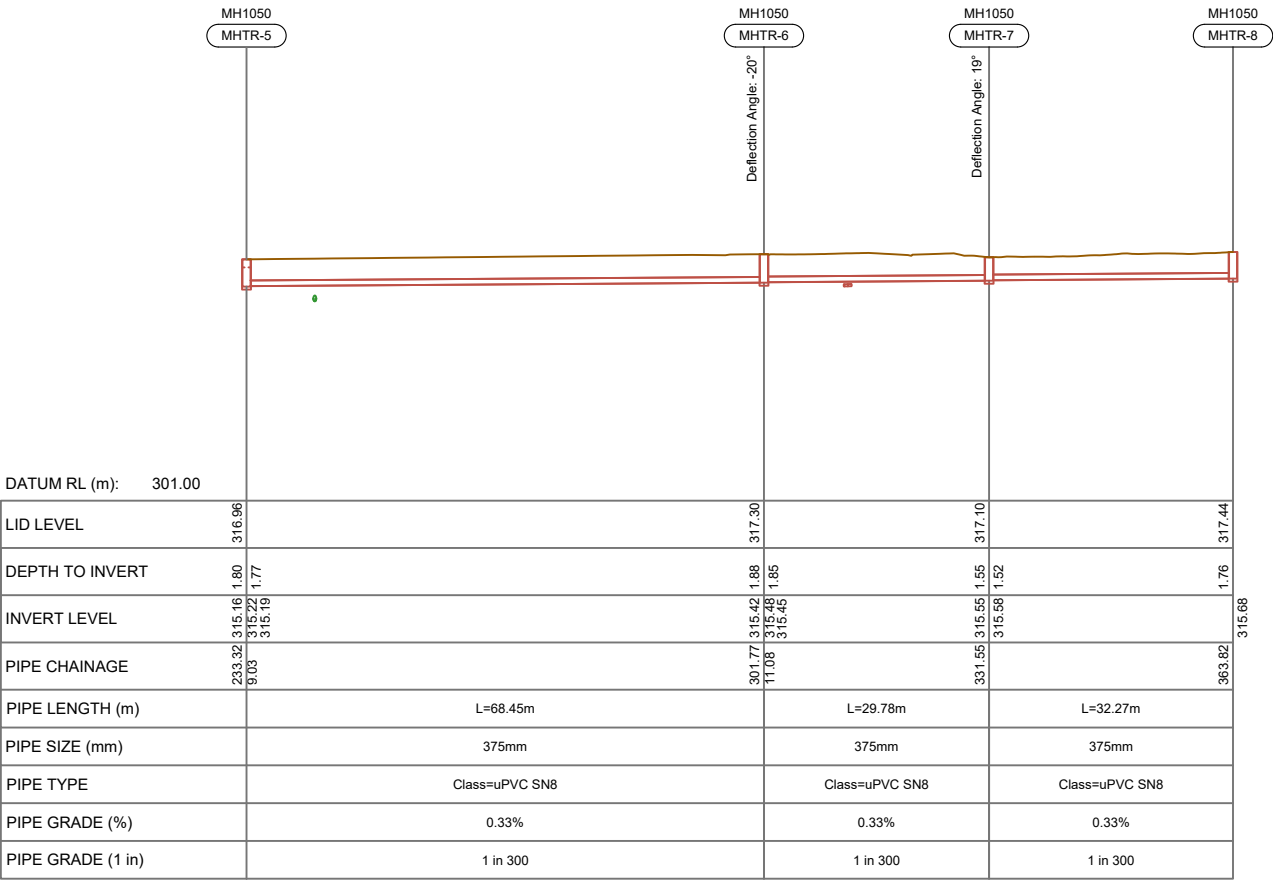
LIDAR
PHJ
SS
AH
DLW

PROJECT **P240103**
DRAWING NO **003**
SHEET **513**
REVISION **2**
SCALE (A3) **1:2000**

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LONG SECTION: TR





MOUNT IRON
SECTION 40
BLK IV LOWER WANAKA SD
(CROWN LAND)

MOUNT IRON
LOT 2 DP 21892
(CROWN LAND)

LOT 5 DP 605028
QUEENSTOWN LAKES
DISTRICT COUNCIL
(LOCAL PURPOSE ACCESS
RESERVE)

LOT 1
DP 572625

LOT 2
DP 572625

LOT 2
DP 338608

LOT 2
DP 314781

LOT 2
DP 614617

LOT 2
DP 571619

LOT 2
DP 392818

PT CLOSED ROAD BLOCK IV
LOWER WANAKA SURVEY DISTRICT

TO WANAKA
TOWN CENTRE

TO ALBERT
TOWN

STATE HIGHWAY 84

MOUNTAIN ROAD
(LEGAL ROAD)

JUNCTION ROAD
(LEGAL ROAD)

STATE HIGHWAY 6

HEAD PLACE

BALNEAVES LANE

RIVERBANK ROAD

STATE HIGHWAY 6
TO LUGGATE

NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES
2. EXISTING WATERMAINS WITHIN THE SITE ARE LIVE. CONTRACTOR TO LIAISE WITH VEOLIA PRIOR TO ANY SHUTDOWNS OR CONNECTIONS TO LIVE MAINS.
3. ALL WORKS ARE TO BE INSTALLED AS PER THE QLD LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE INCLUDING INSTALLATION OF TRACER WIRE.
4. ALL WATER PIPE DIAMETERS ARE DN = OUTSIDE DIAMETER UNLESS OTHERWISE SHOWN.
5. VALVES AND HYDRANTS TO BE POSITIONED OUTSIDE FOOTPATH WHERE POSSIBLE. REFER TO DETAIL ON SHEET 610

WATER LEGEND

- LOT BOUNDARIES
- WATER TOBY
- NEW / EXISTING HYDRANT
- NEW / EXISTING VALVE
- FLUSHING POINT
- NEW WATER SUPPLY
- EXISTING WATER SUPPLY
- EXISTING WATER SUPPLY (TO BE DECOMMISSIONED)
- IRRIGATION TAKEOFF POINT

patersons.
Land Professionals

CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

DRAWING TITLE
CONSENT ENGINEERING DESIGN
WATER SUPPLY - OVERVIEW PLAN

DATUM INFORMATION
COORDINATE SYSTEM
NZGD 2000
LINDIS PEAK CIRCUIT
DATUM
ORIGIN OF COORDINATES
ORIGIN OF LEVELS
NZVD2016

REV	DRAWN	DATE	NOTE
01	PHJ	20.02.2026	Fast Track Application
02	PHJ	13.08.2026	Fast Track Minute 7 Response

STATUS **FOR RESOURCE CONSENT**

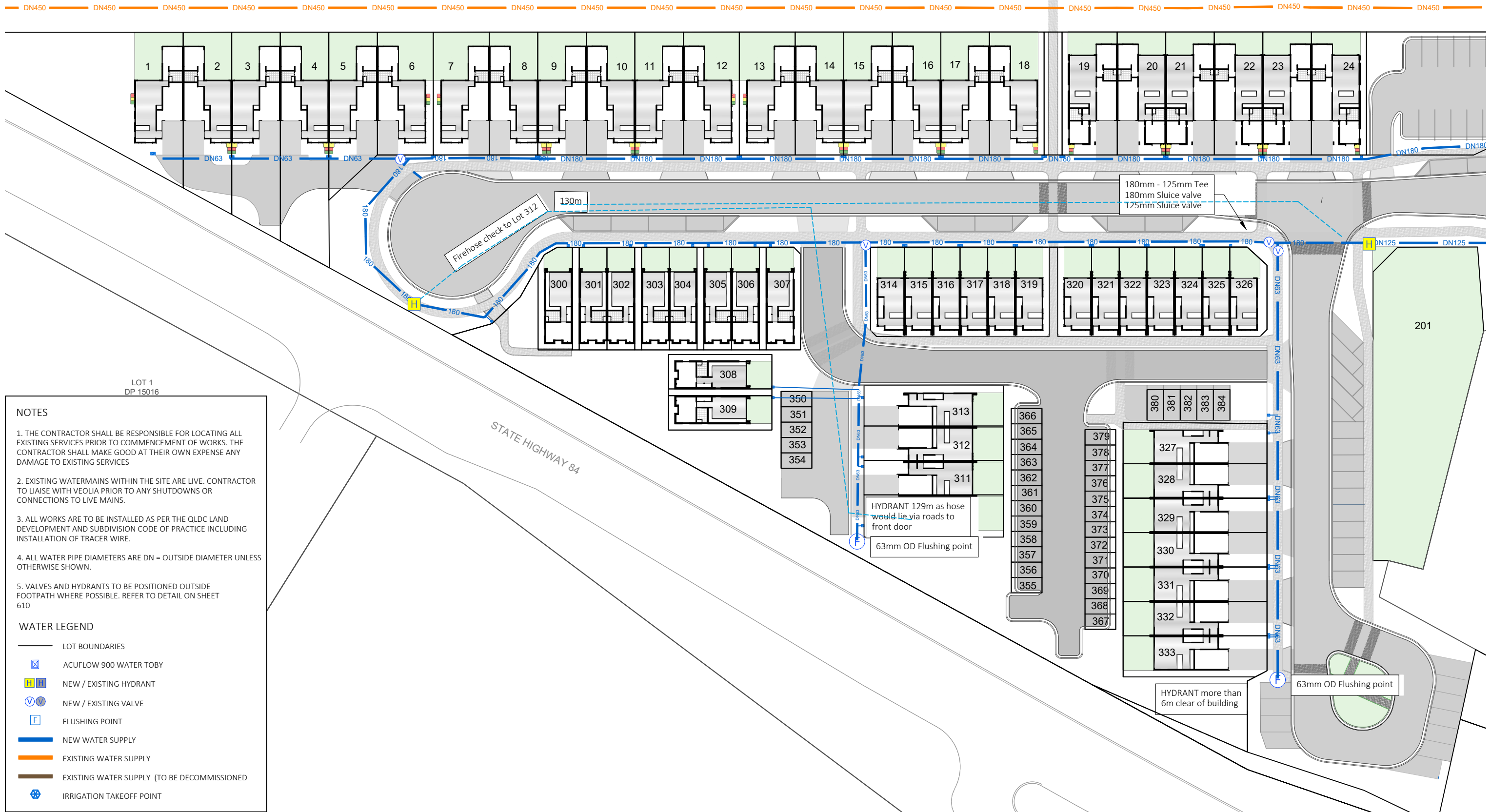
SURVEYED	LIDAR
DESIGNED	PHJ
DRAWN	SS
REVIEWED	AH
APPROVED	DLW

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PROJECT	P240103
DRAWING NO	003
SHEET	600
REVISION	2
SCALE (A3)	1:2000



PT CLOSED ROAD BLOCK IV
LOWER WANAKA SURVEY DISTRICT



NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES
2. EXISTING WATERMAINS WITHIN THE SITE ARE LIVE. CONTRACTOR TO LIAISE WITH VEOLIA PRIOR TO ANY SHUTDOWNS OR CONNECTIONS TO LIVE MAINS.
3. ALL WORKS ARE TO BE INSTALLED AS PER THE QLCD LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE INCLUDING INSTALLATION OF TRACER WIRE.
4. ALL WATER PIPE DIAMETERS ARE DN = OUTSIDE DIAMETER UNLESS OTHERWISE SHOWN.
5. VALVES AND HYDRANTS TO BE POSITIONED OUTSIDE FOOTPATH WHERE POSSIBLE. REFER TO DETAIL ON SHEET 610

WATER LEGEND

- LOT BOUNDARIES
- ACUFLOW 900 WATER TOBY
- NEW / EXISTING HYDRANT
- NEW / EXISTING VALVE
- FLUSHING POINT
- NEW WATER SUPPLY
- EXISTING WATER SUPPLY
- EXISTING WATER SUPPLY (TO BE DECOMMISSIONED)
- IRRIGATION TAKEOFF POINT

patersons.
Land Professionals

CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

DRAWING TITLE
CONSENT ENGINEERING DESIGN
WATER SUPPLY LAYOUT
SHEET A

DATUM INFORMATION
COORDINATE SYSTEM
NZGD 2000
LINDIS PEAK CIRCUIT
DATUM
NZVD2016
ORIGIN OF COORDINATES
ORIGIN OF LEVELS

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PROJECT	P240103
DRAWING NO	003
SHEET	600A
REVISION	2
SCALE (A3)	1:600



MOUNT IRON
LOT 2 DP 21892

CROWN LAND

LOT 1
DP 572625

LOT 2
DP 572625

LOT 2
DP 338608

PT CLOSED ROAD BLOCK IV
LOWER WANAKA SURVEY DISTRICT

EXISTING DNO WATER MAIN
(TO BE DECOMMISSIONED)

NO CONNECTION BETWEEN
DN450 TRUNK MAIN AND
DN180 WATER MAIN, DN63
CONNECTED TO DN180

NO CONNECTION BETWEEN
DN450 TRUNK MAIN AND
DN180 WATER MAIN, DN63
CONNECTED TO DN125

NOTES

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WATER LEGEND

- LOT BOUNDARIES
- ACUFLOW GM900 WATER TOBY
- NEW / EXISTING HYDRANT
- NEW / EXISTING VALVE
- FLUSHING POINT
- NEW WATER SUPPLY
- EXISTING WATER SUPPLY
- EXISTING WATER SUPPLY (TO BE DECOMMISSIONED)
- IRRIGATION TAKEOFF POINT

patersons.
Land Professionals

CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

DRAWING TITLE
CONSENT ENGINEERING DESIGN
WATER LAYOUT
SHEET B

DATUM INFORMATION
COORDINATE SYSTEM
NZGD 2000
LINDIS PEAK CIRCUIT
DATUM
NZVD2016
ORIGIN OF COORDINATES
ORIGIN OF LEVELS

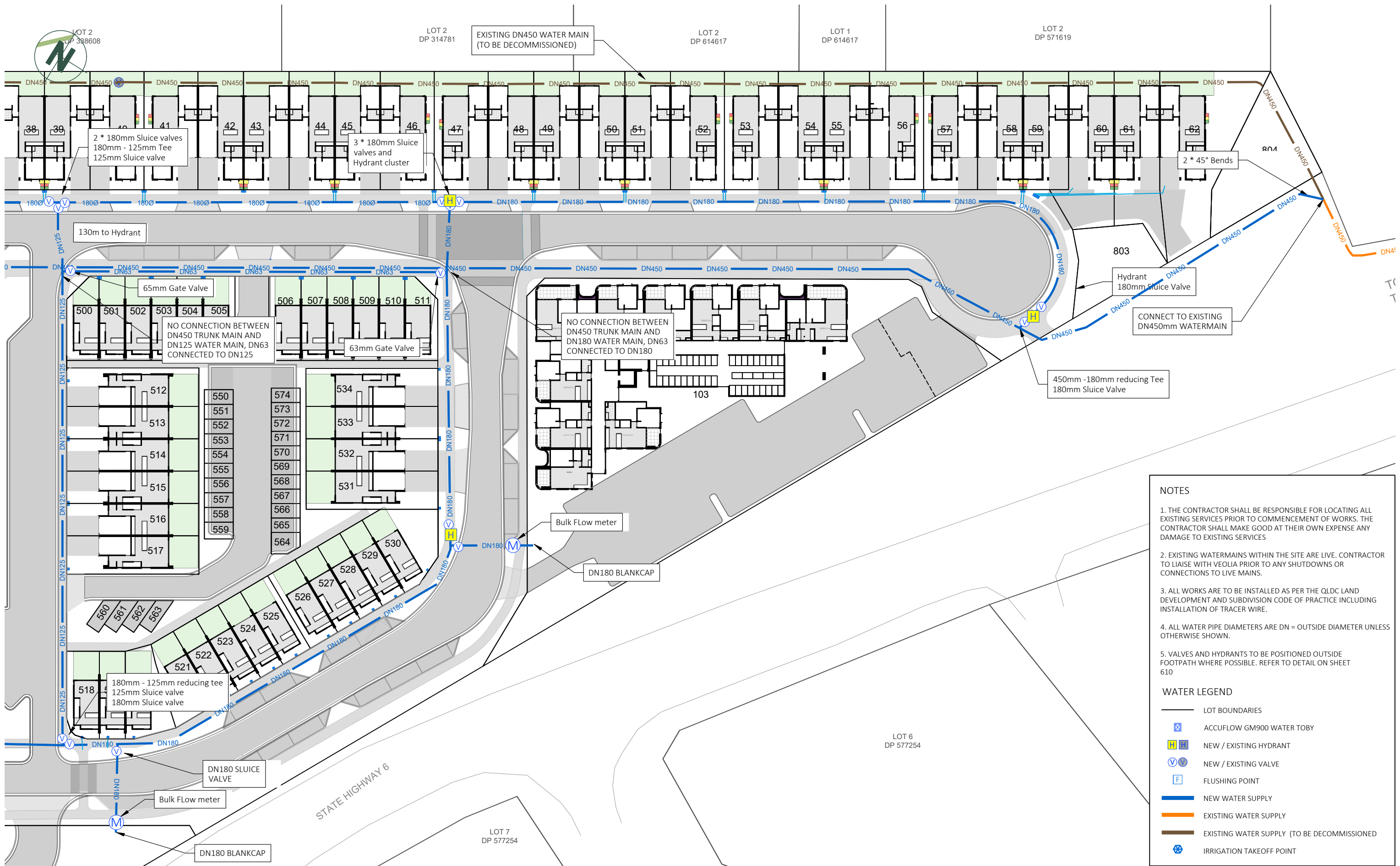
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APPROVED DLW	

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PROJECT	P240103
DRAWING NO	003
SHEET	600B
REVISION	2
SCALE (A3)	1:600



NOTES

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WATER LEGEND

LOT BOUNDARIES

ACCUFLOW GM900 WATER TOBY

NEW / EXISTING HYDRANT

NEW / EXISTING VALVE

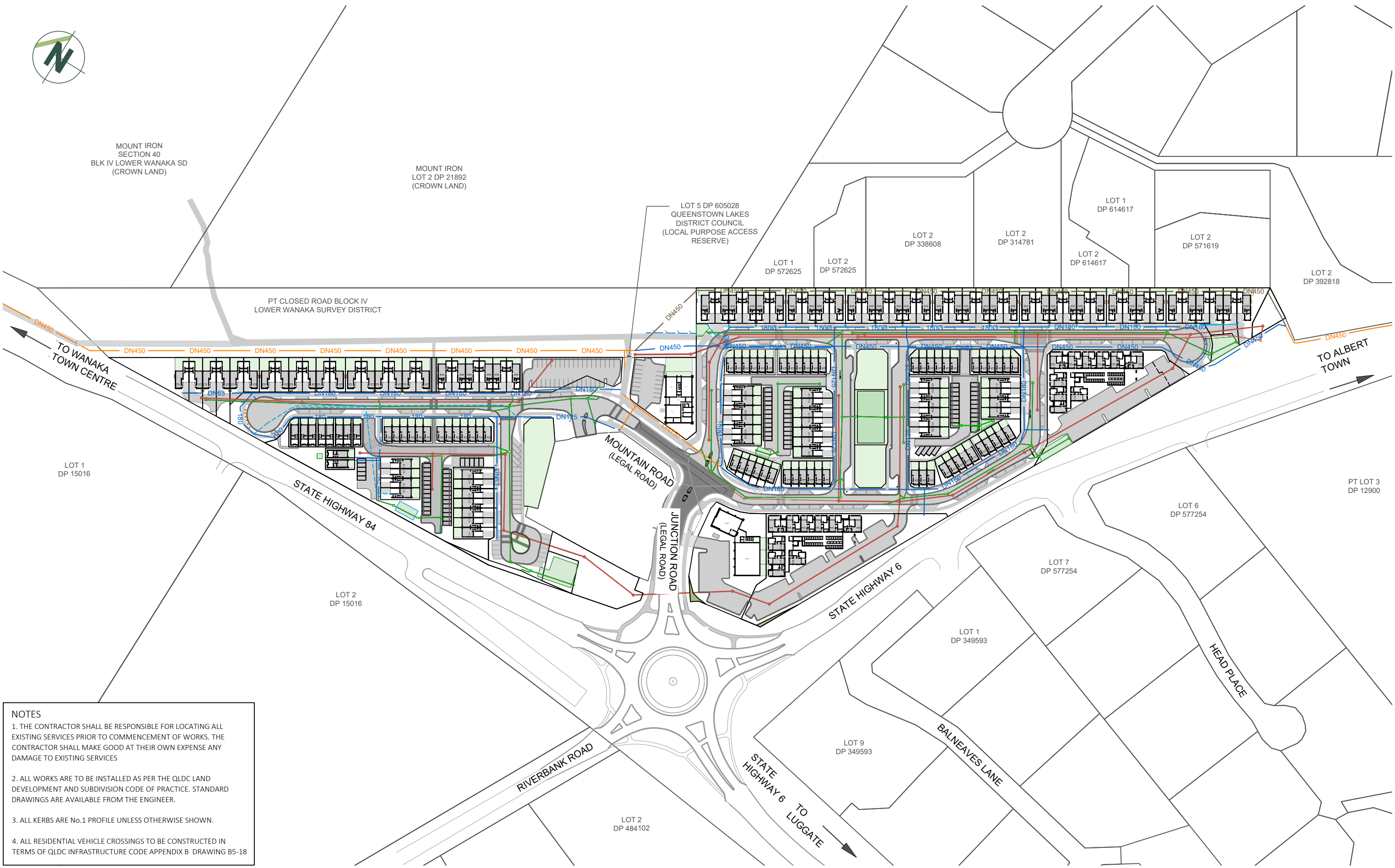
FLUSHING POINT

NEW WATER SUPPLY

EXISTING WATER SUPPLY

EXISTING WATER SUPPLY (TO BE DECOMMISSIONED)

IRRIGATION TAKEOFF POINT



- NOTES
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL MAKE GOOD AT THEIR OWN EXPENSE ANY DAMAGE TO EXISTING SERVICES

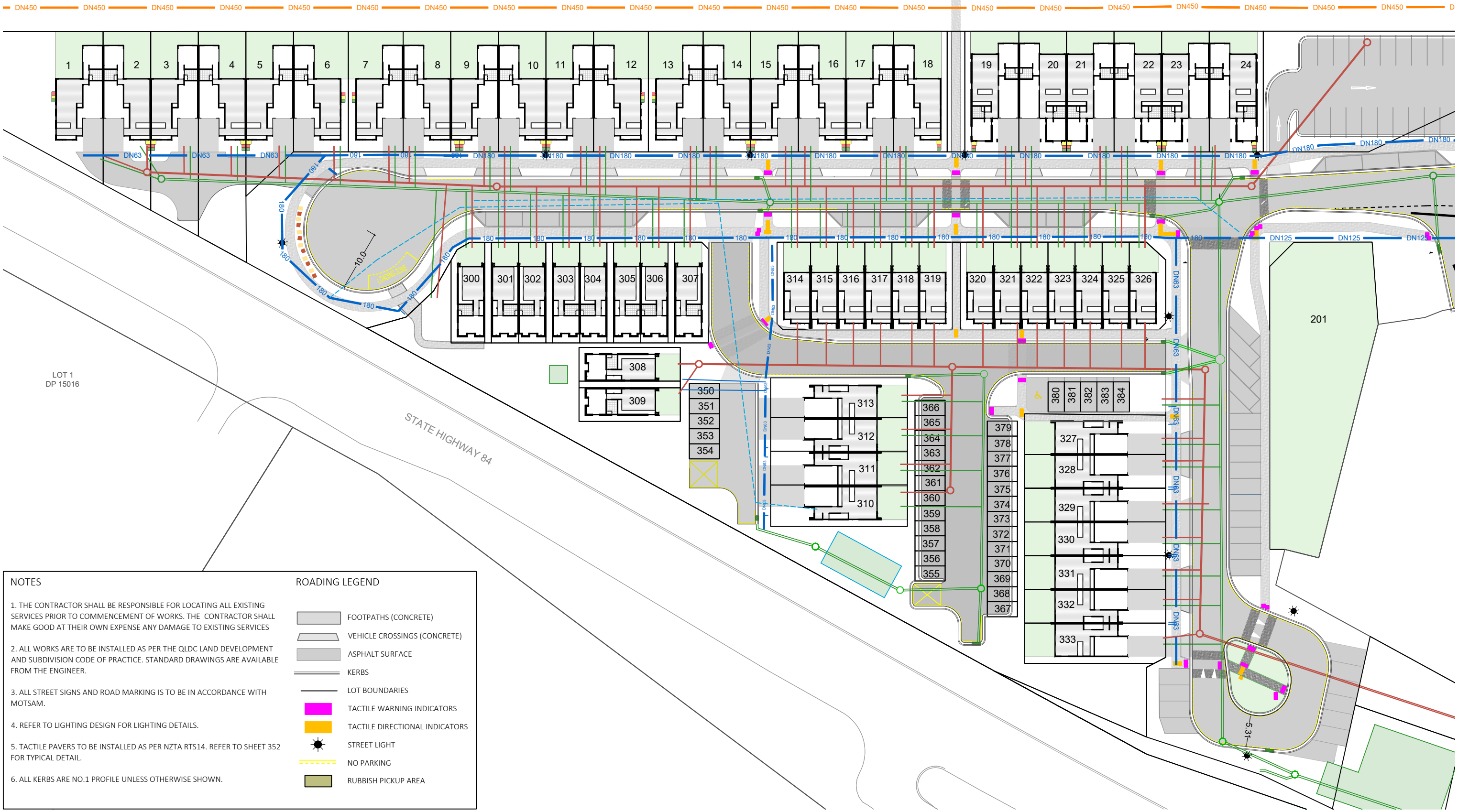
2. ALL WORKS ARE TO BE INSTALLED AS PER THE QLDC LAND DEVELOPMENT AND SUBDIVISION CODE OF PRACTICE. STANDARD DRAWINGS ARE AVAILABLE FROM THE ENGINEER.

3. ALL KERBS ARE No.1 PROFILE UNLESS OTHERWISE SHOWN.

4. ALL RESIDENTIAL VEHICLE CROSSINGS TO BE CONSTRUCTED IN TERMS OF QLDC INFRASTRUCTURE CODE APPENDIX B DRAWING B5-18



PT CLOSED ROAD BLOCK IV
LOWER WANAKA SURVEY DISTRICT



NOTES

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3. ALL STREET SIGNS AND ROAD MARKING IS TO BE IN ACCORDANCE WITH MOTSAM.

4. REFER TO LIGHTING DESIGN FOR LIGHTING DETAILS.

5. TACTILE PAVERS TO BE INSTALLED AS PER NZTA RTS14. REFER TO SHEET 352 FOR TYPICAL DETAIL.

6. ALL KERBS ARE NO.1 PROFILE UNLESS OTHERWISE SHOWN.

ROADING LEGEND

	FOOTPATHS (CONCRETE)
	VEHICLE CROSSINGS (CONCRETE)
	ASPHALT SURFACE
	KERBS
	LOT BOUNDARIES
	TACTILE WARNING INDICATORS
	TACTILE DIRECTIONAL INDICATORS
	STREET LIGHT
	NO PARKING
	RUBBISH PICKUP AREA



MOUNT IRON
LOT 2 DP 21892
CROWN LAND

LOT 1
DP 572625

LOT 2
DP 572625

LOT 2
DP 338608

PT CLOSED ROAD BLOCK IV
LOWER WANAKA SURVEY DISTRICT

SHIFT EXISTING STREETLIGHT
TO MINIMUM 0.3m BEHIND
FOOTPATH AND 0.5m CLEAR
OF CAR PARK OVERHANG.

SHIFT EXISTING STREETLIGHT
TO MINIMUM 1M BEHIND
BACK OF KERB.

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ROADING LEGEND

- | | |
|--|--------------------------------|
| | FOOTPATHS (CONCRETE) |
| | VEHICLE CROSSINGS (CONCRETE) |
| | ASPHALT SURFACE |
| | KERBS |
| | LOT BOUNDARIES |
| | TACTILE WARNING INDICATORS |
| | TACTILE DIRECTIONAL INDICATORS |
| | STREET LIGHT |
| | NO PARKING |
| | RUBBISH PICKUP AREA |

EXISTING ROAD
AND FOOTPATH

patersons.
Land Professionals

CLIENT
MT IRON JUNCTION LTD
JUNCTION ROAD, WANAKA

DRAWING TITLE
CONSENT ENGINEERING DESIGN
COMBINED SERVICES LAYOUT
SHEET B

DATUM INFORMATION
COORDINATE SYSTEM
NZGD 2000
LINDIS PEAK CIRCUIT
DATUM
ORIGIN OF COORDINATES
ORIGIN OF LEVELS
NZVD2016

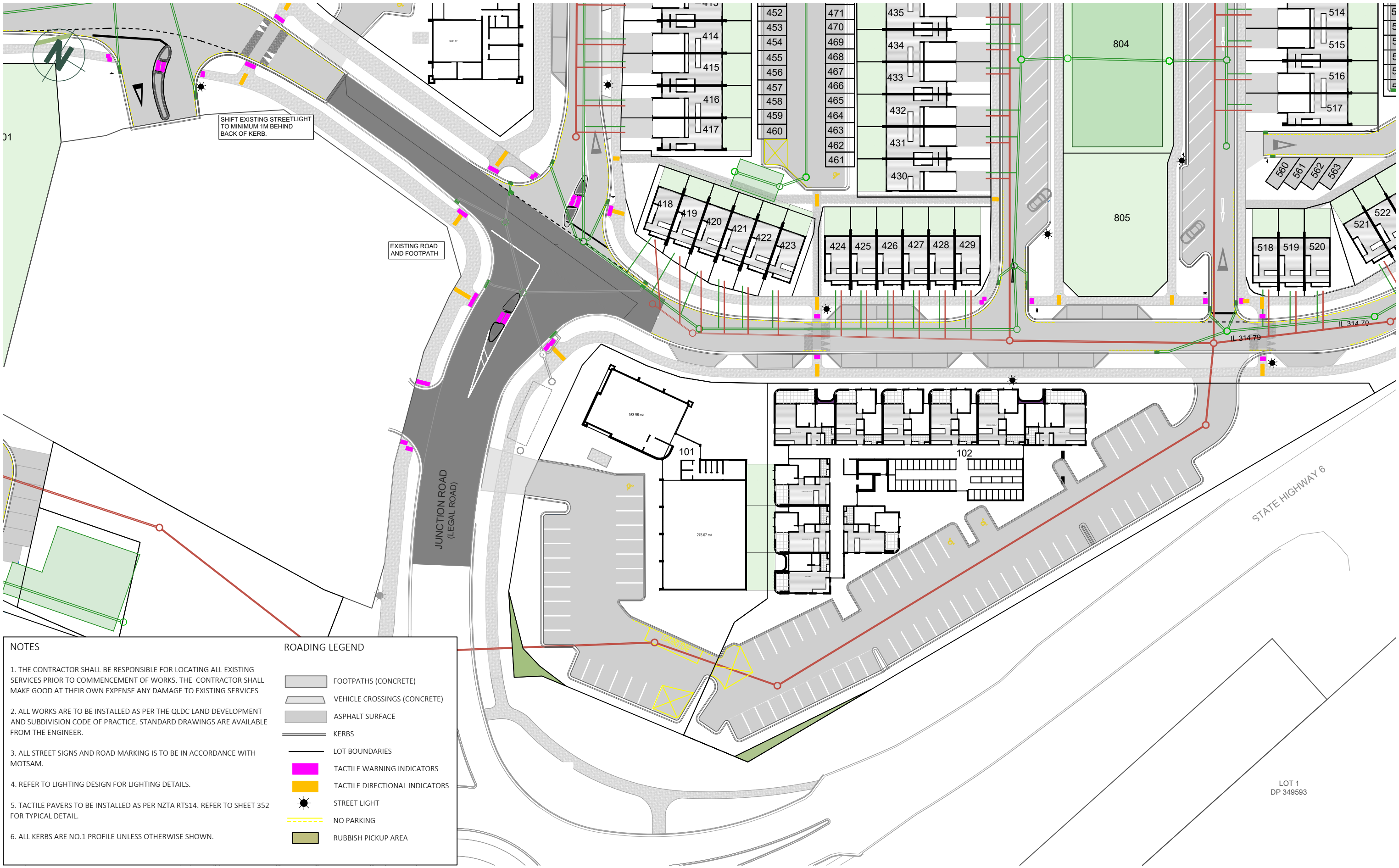
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PROJECT	P240103
DRAWING NO	003
SHEET	800B
REVISION	2
SCALE (A3)	1:600

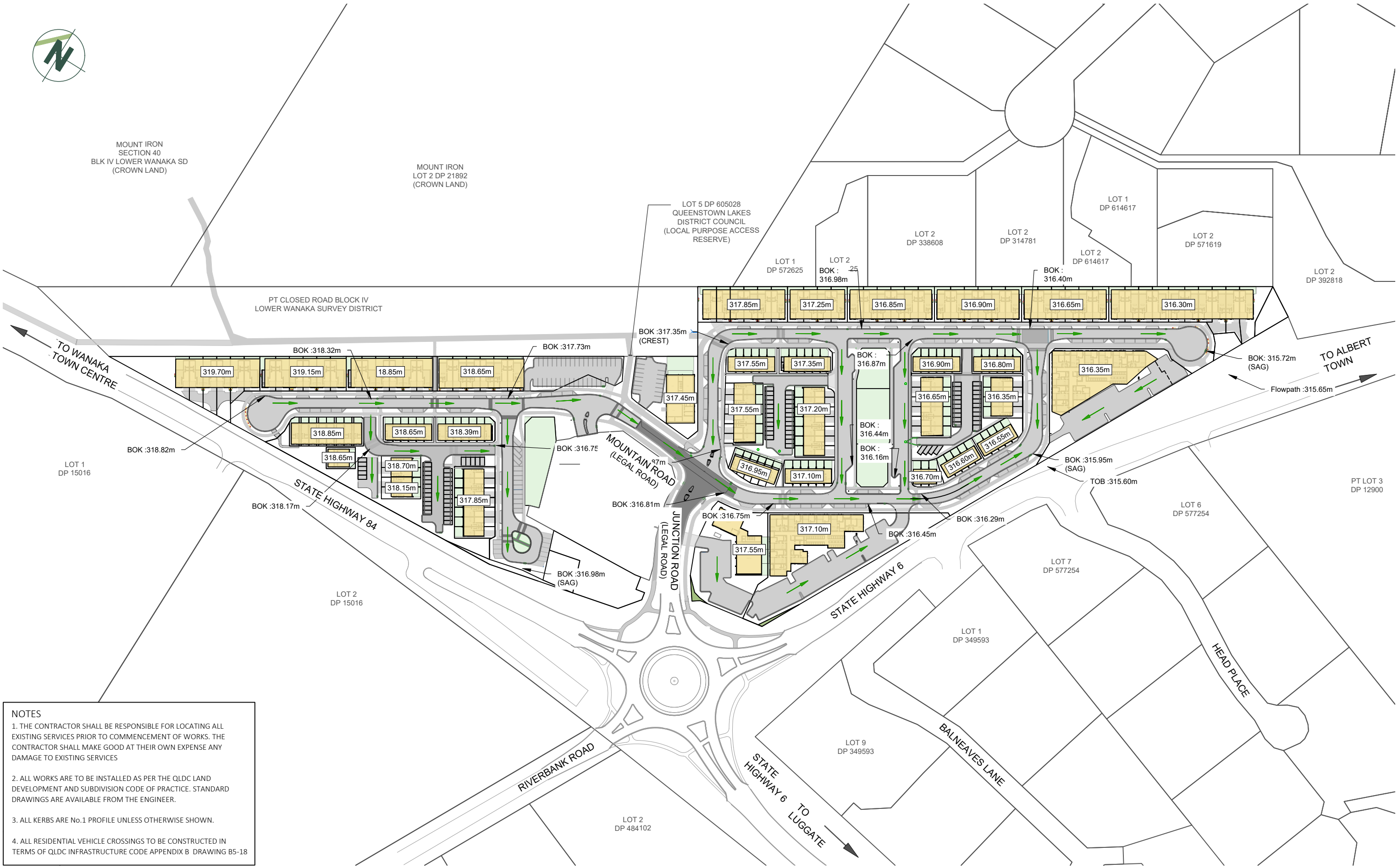


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ROADING LEGEND

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	STREET LIGHT
	NO PARKING
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