

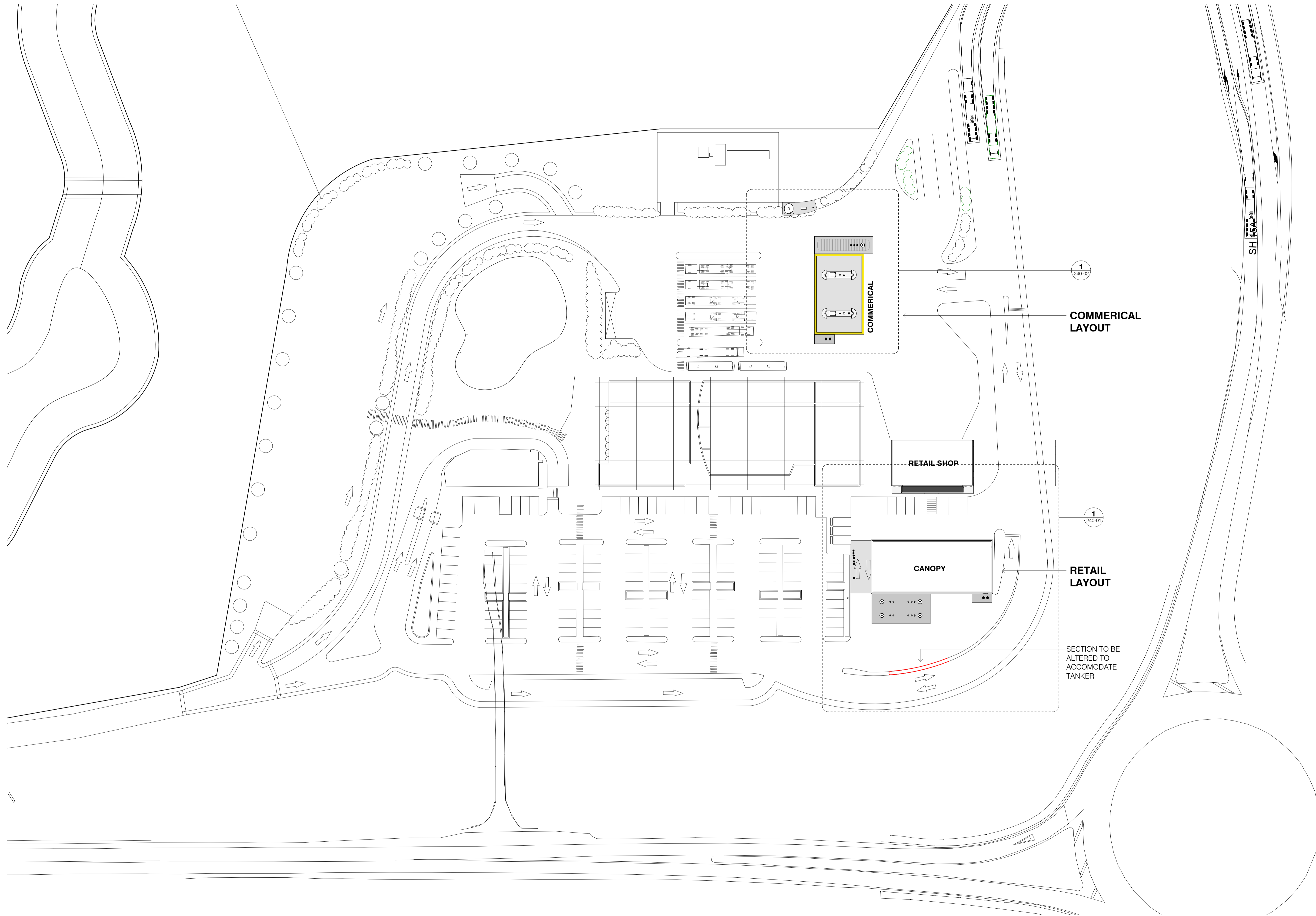
**RUAKAKA SERVICE CENTRE
RUAKAKA, WHANGAREI**

PLANNING

DRAWING LIST

DWG NO	DWG NAME	Rev.	DATE
000 COVER			
000-00	SHEET LIST	A	26.03.2021
200 GA PLANS			
210-00	OVERALL SITE PLAN	A	26.03.2021
240-01	ENLARGED PLAN - RETAIL	-	26.03.2021
240-02	ENLARGED PLAN - COMMERCIAL	-	26.03.2021
600 HAZARDOUS AREA			
610-00	SITE PLAN	-	26.03.2021
610-01	SITE PLAN - RETAIL	-	26.03.2021
640-01	DETAIL SHEET 01	-	26.03.2021

PSL SHEET NUMBERING		
SERIES	SEQUENCE	
JOB#	###-##	*
Job No.	SUB-SERIES	REV.
SERIES	SUB SERIES	
000 COVER & LEGENDS	200 LEGEND	
100 EXISTING	210 SITE PLANS	
200 SITE LAYOUT DRAWINGS	220 ENLARGED PLANS	
300 PETROLEUM SERVICES	230 ELEVATIONS	
400 CIVIL SERVICES	240 DETAILS	
500 ELECTRICAL SERVICES	250 SCHEDULES	
600 HAZARDOUS AREA		



1
240-02

COMMERICAL
LAYOUT

1
240-01

RETAIL
LAYOUT

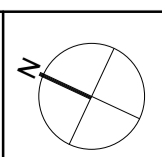
SECTION TO BE
ALTERED TO
ACCOMMODATE
TANKER



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Rev	Date	Description
-	24.05.2020	First Issue
A	26.03.2021	ISSUE

RUAKAKA SERVICE CENTRE
RUAKAKA, WHANGAREI

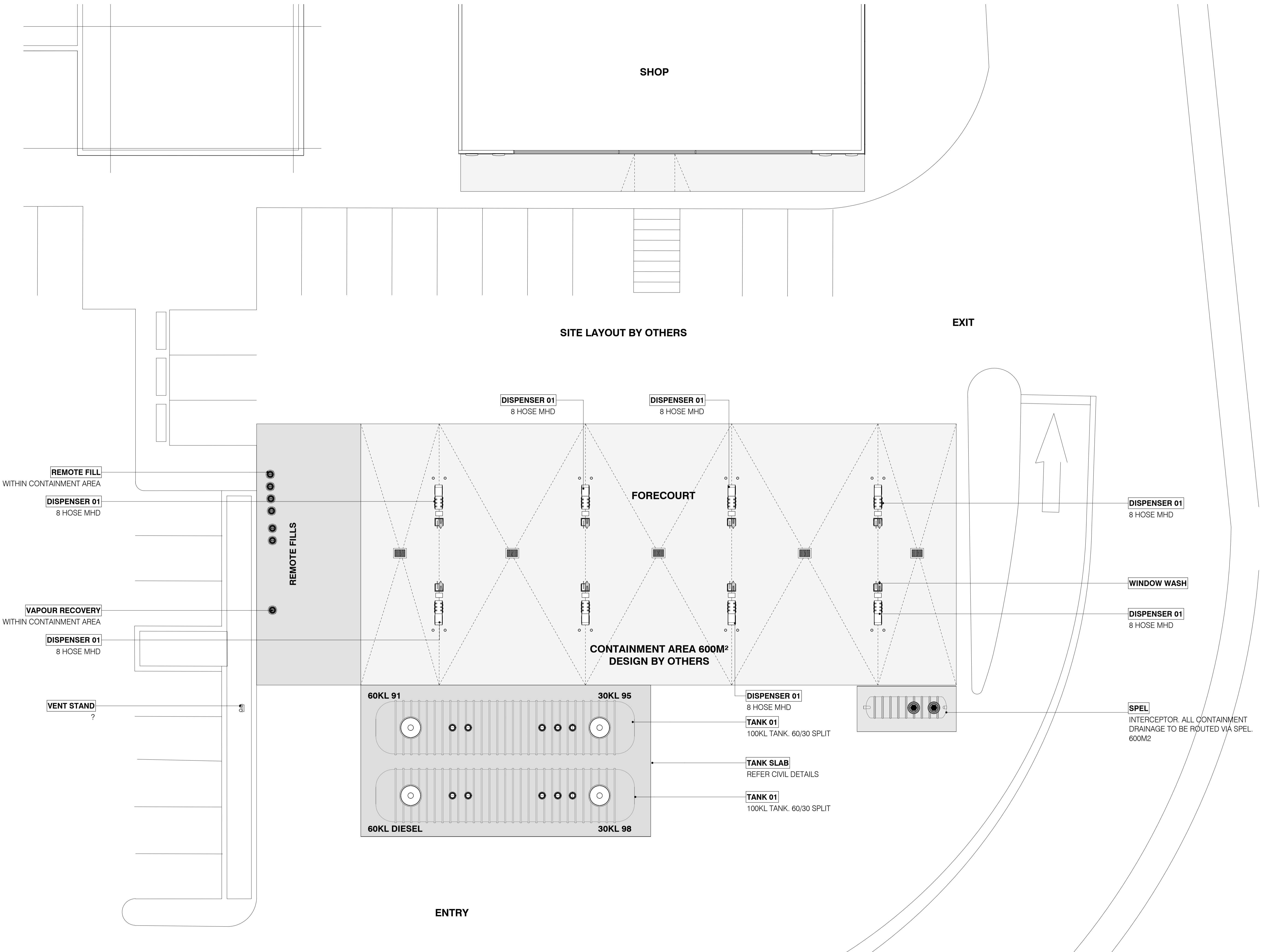
DRAWING
200 GA PLANS
OVERALL SITE PLAN

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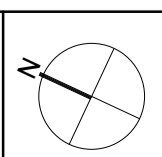
PROJECT NO.	DRW NO.	REV.
194	210-00	A



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Rev	Date	Description
-	26.03.2021	ISSUE

RUAKAKA SERVICE CENTRE
 RUAKAKA, WHANGAREI

DRAWING
200 GA PLANS
 ENLARGED PLAN - RETAIL

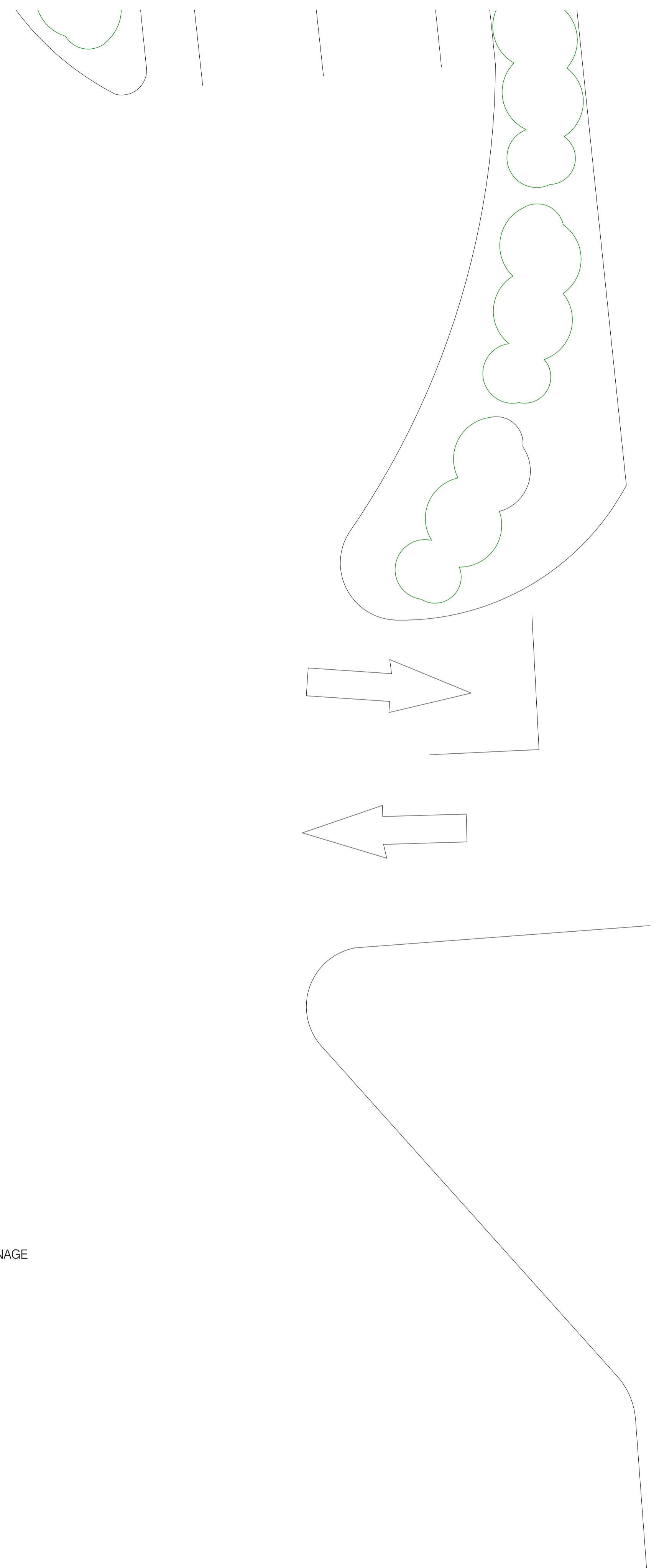
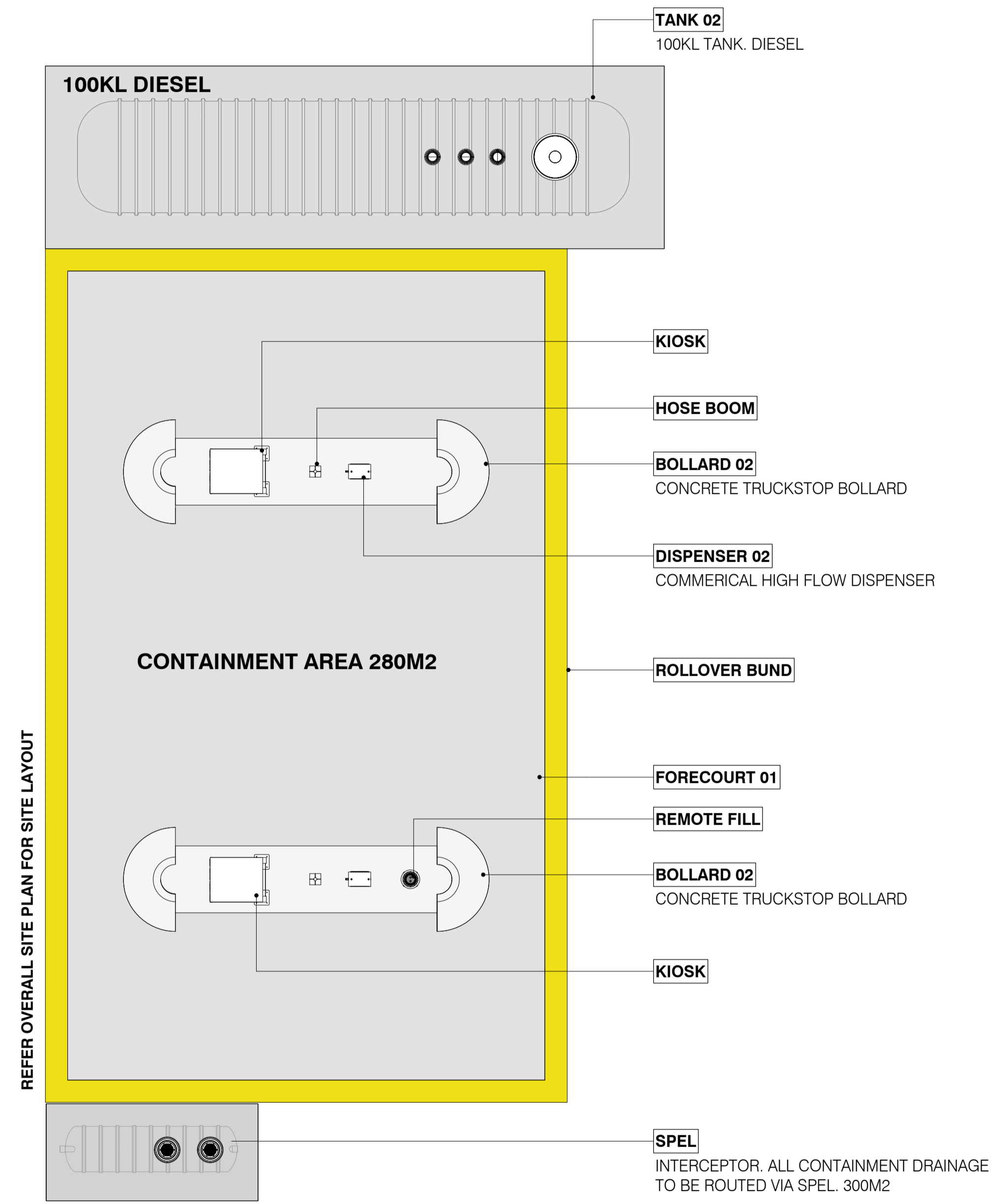
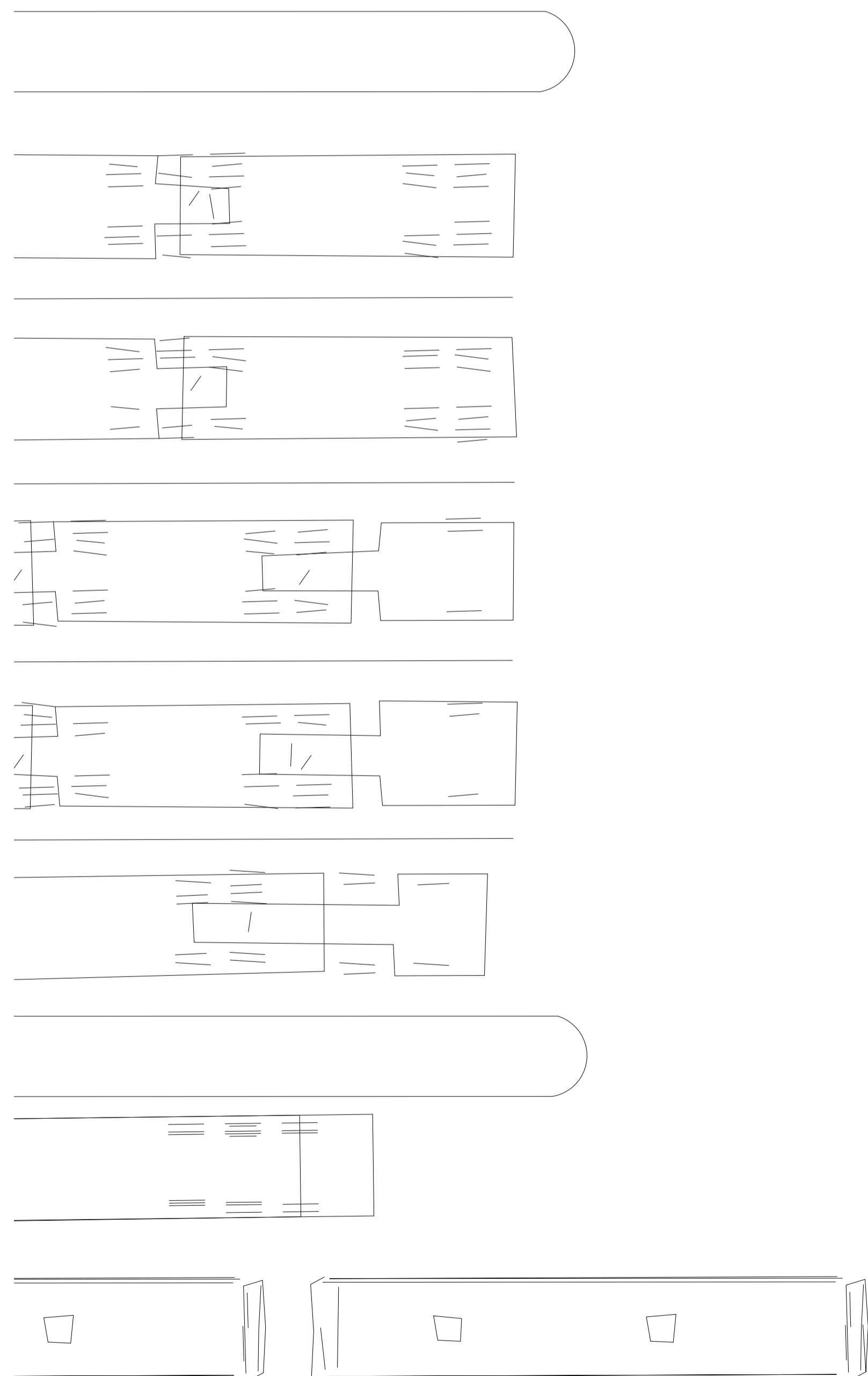
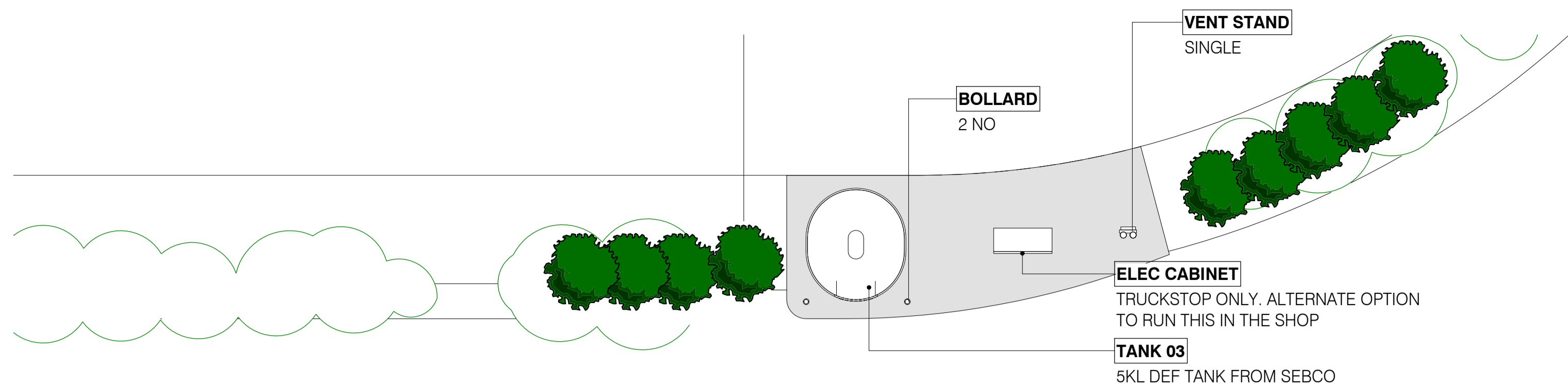
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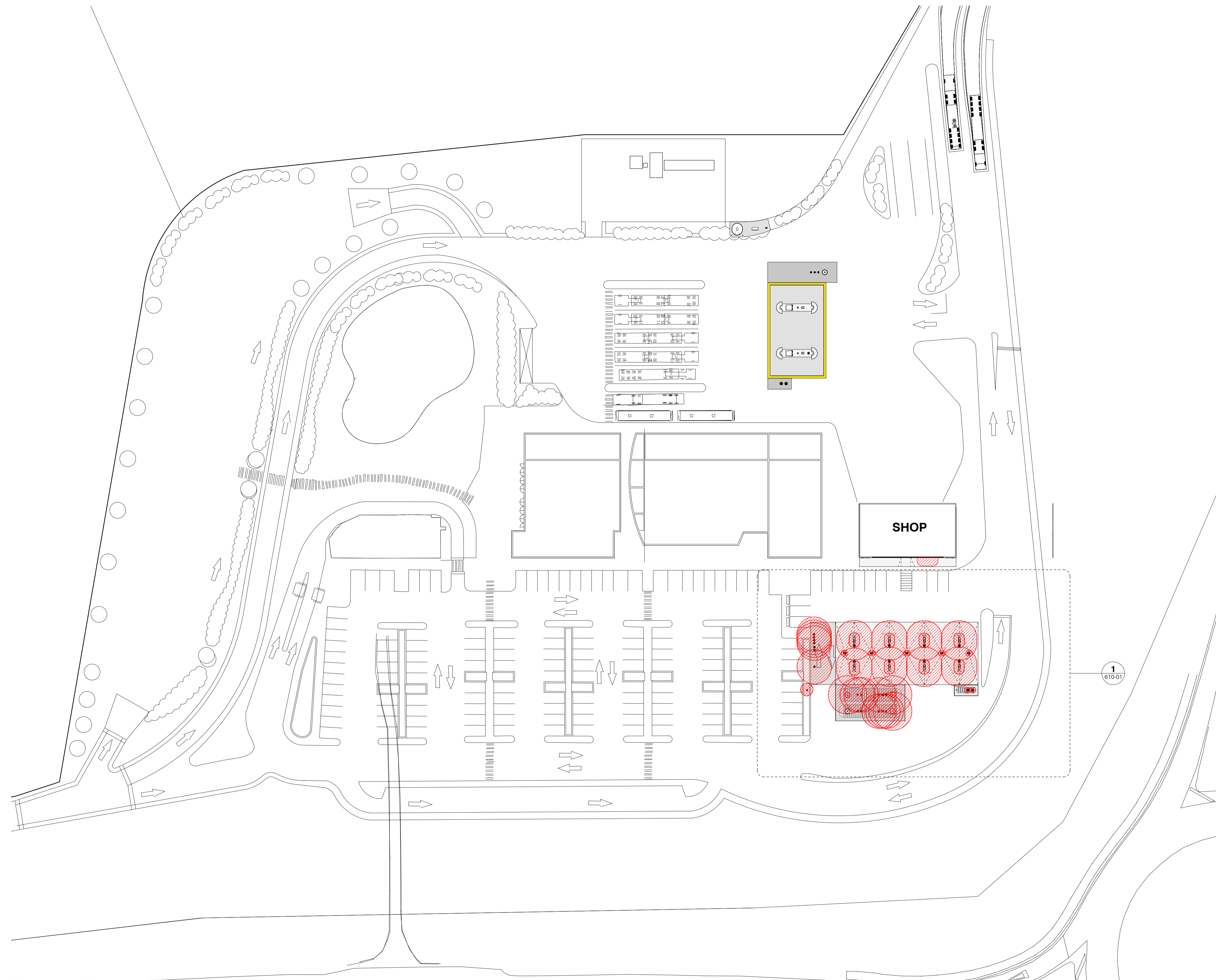
PROJECT NO.	DRW NO.	REV.
194	240-01	-



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RUAKAKA SERVICE CENTRE
 RUAKAKA, WHANGAREI

DRAWING
600 HAZARDOUS AREA
 SITE PLAN

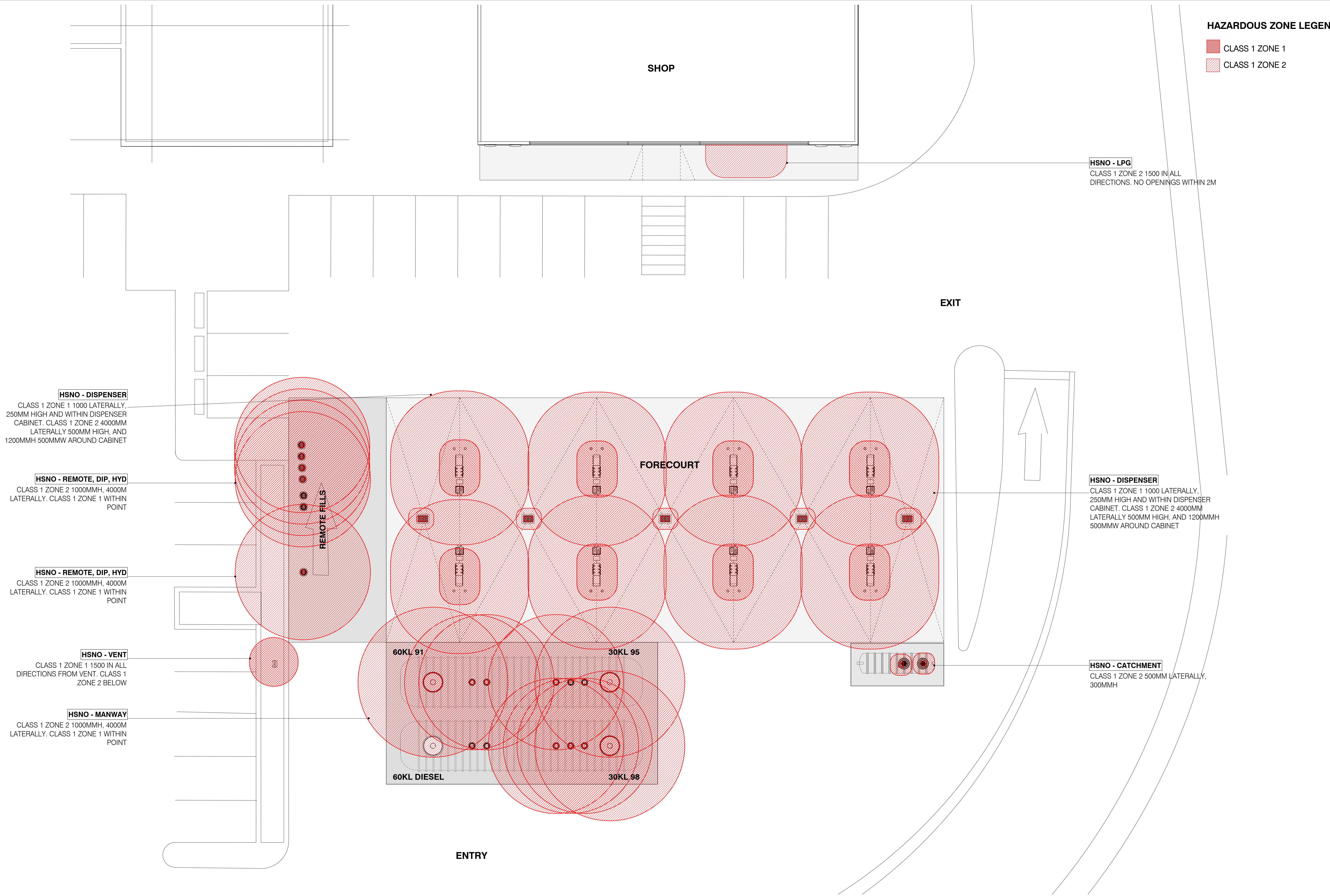
SCALE	DATE	DRAWN	CHECK
1 : 500	26.03.2021	SHAUN	SHAUN

PROJECT NO.	DRW NO.	REV.
194	610-00	-



HAZARDOUS ZONE LEGEND

- CLASS 1 ZONE 1
- CLASS 1 ZONE 2



HSNO - LPG
CLASS 1 ZONE 2 1500 IN ALL DIRECTIONS. NO OPENINGS WITHIN 2M

HSNO - DISPENSER
CLASS 1 ZONE 1 1000 LATERALLY, 250MM HIGH AND WITHIN DISPENSER CABINET. CLASS 1 ZONE 2 4000MM LATERALLY 500MM HIGH, AND 1200MMH 500MMW AROUND CABINET

HSNO - REMOTE, DIP, HYD
CLASS 1 ZONE 2 1000MMH, 4000M LATERALLY. CLASS 1 ZONE 1 WITHIN POINT

HSNO - REMOTE, DIP, HYD
CLASS 1 ZONE 2 1000MMH, 4000M LATERALLY. CLASS 1 ZONE 1 WITHIN POINT

HSNO - VENT
CLASS 1 ZONE 1 1500 IN ALL DIRECTIONS FROM VENT. CLASS 1 ZONE 2 BELOW

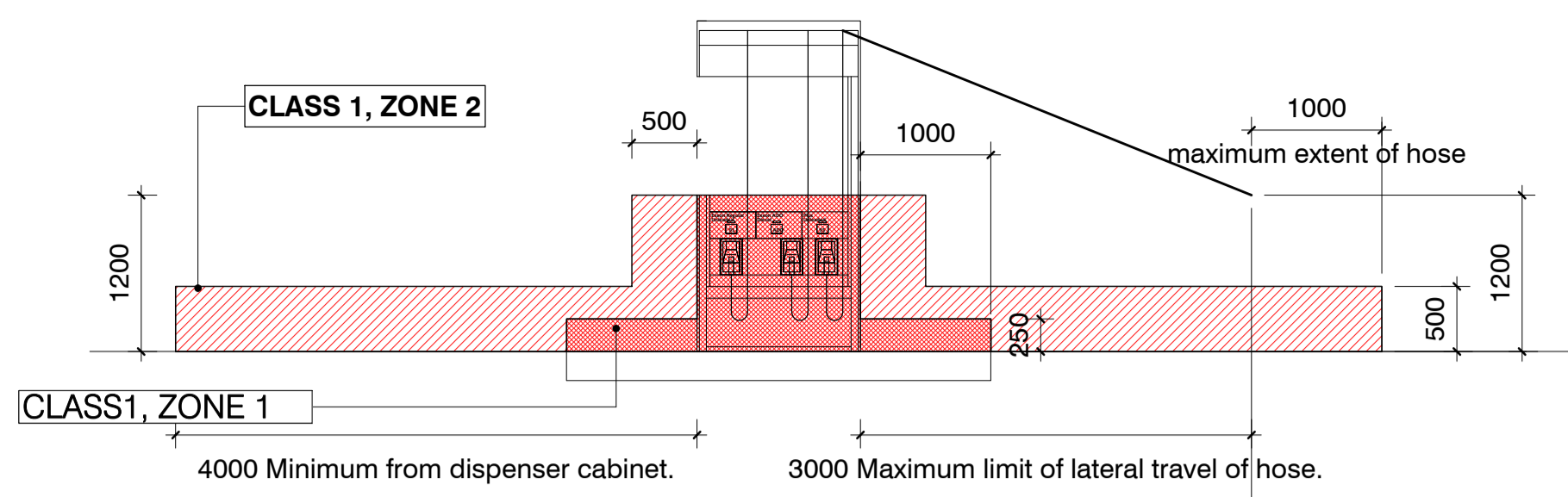
HSNO - MANWAY
CLASS 1 ZONE 2 1000MMH, 4000M LATERALLY. CLASS 1 ZONE 1 WITHIN POINT

HSNO - DISPENSER
CLASS 1 ZONE 1 1000 LATERALLY, 250MM HIGH AND WITHIN DISPENSER CABINET. CLASS 1 ZONE 2 4000MM LATERALLY 500MM HIGH, AND 1200MMH 500MMW AROUND CABINET

HSNO - CATCHMENT
CLASS 1 ZONE 2 500MM LATERALLY, 300MMH

HAZARDOUS ZONE LEGEND

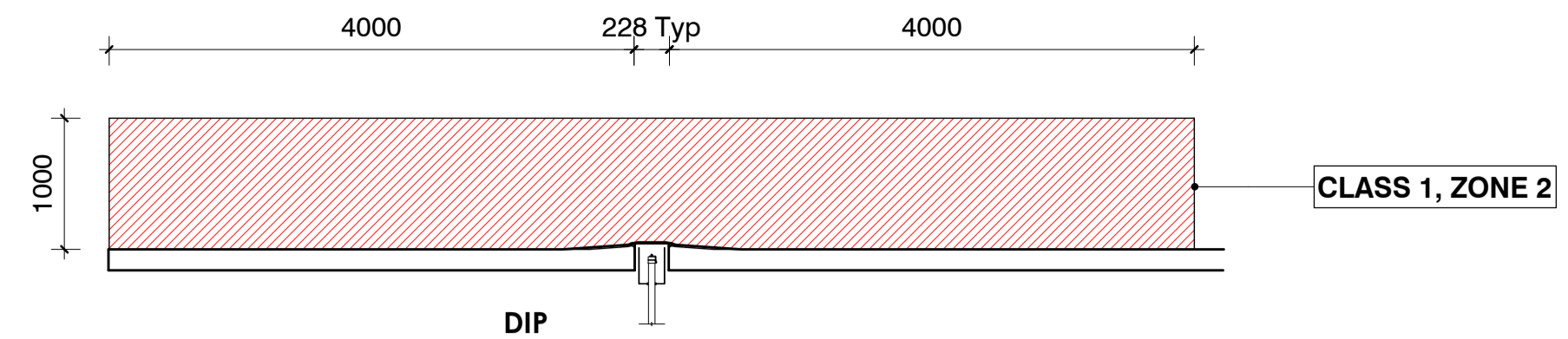
- CLASS 1 ZONE 1
- CLASS 1 ZONE 2



2 HAZNO AREA - PETROL DISPENSER
SCALE 1:50

ZONE CLASSIFICATION: AS/NZS 60079 (2009)
EXTERIOR OF PETROL DISPENSING UNITS IN ADEQUATELY VENTILATED LOCATIONS.

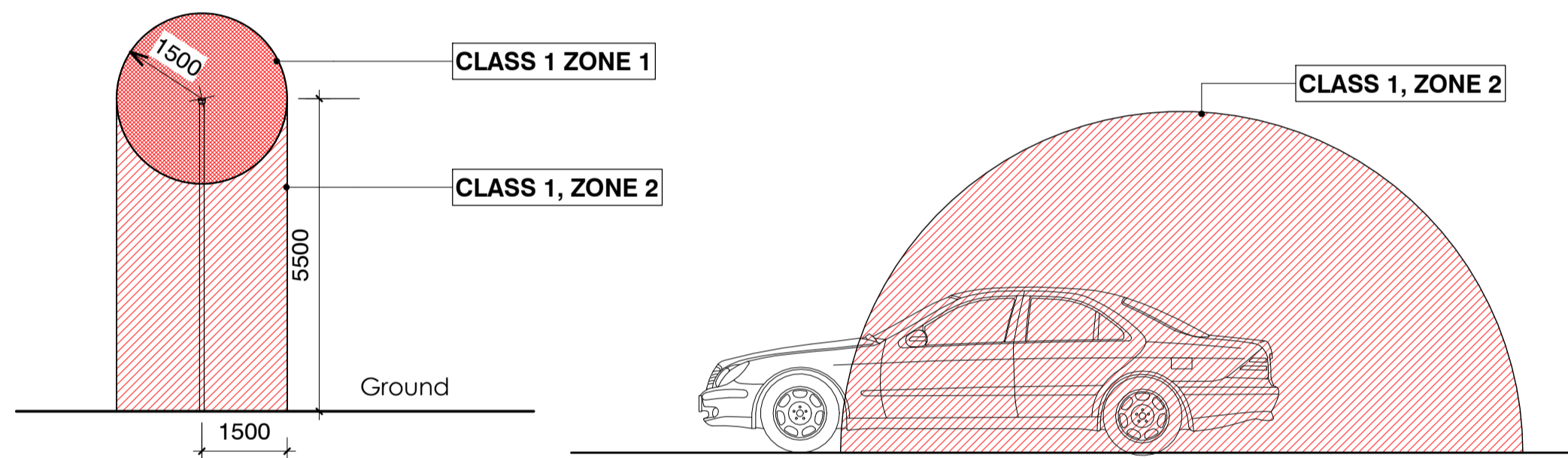
- ZONE 1:
A) WITHIN 0.05M ABOVE AND 0.1M BELOW THE DISPENSER NOZZLE SPOUT HOUSING AND EXTENDING 0.1M Laterally FROM THE DISPENSER HOUSING.
B) FOR DISPENSERS MOUNTED AT OR NEAR GROUND LEVEL, THE AREA WITHIN THE SPACE 0.25M ABOVE THE BASE OF THE DISPENSING EQUIPMENT AND EXTENDING 1.0M IN ALL DIRECTIONS HORIZONTALLY FROM THE DISPENSING UNIT.
ZONE 2:
C) WITHIN THE SPACE 0.5M Laterally OF THE DISPENSING EQUIPMENT TO A HEIGHT OF 1.2M ABOVE THE BASE OF THE DISPENSER.
D) WITHIN THE SPACE 0.5M ABOVE THE DRIVEWAY OR GROUND LEVEL AND EXTENDING 4.0M IN ALL DIRECTIONS HORIZONTALLY FROM THE DISPENSING UNIT OR 1.0M FROM THE HOSE NOZZLE, WHICHEVER IS THE GREATER.
NOTE
THE DISTANCE OF 1.0M SPECIFIED IN D) IS TAKEN FROM THE END OF THE HOSE NOZZLE HEAD AT A HEIGHT OF 1.2M, AT ITS MAXIMUM LATERAL DISTANCE OF TRAVEL FROM THE DISPENSER UNIT IN ANY DIRECTION.



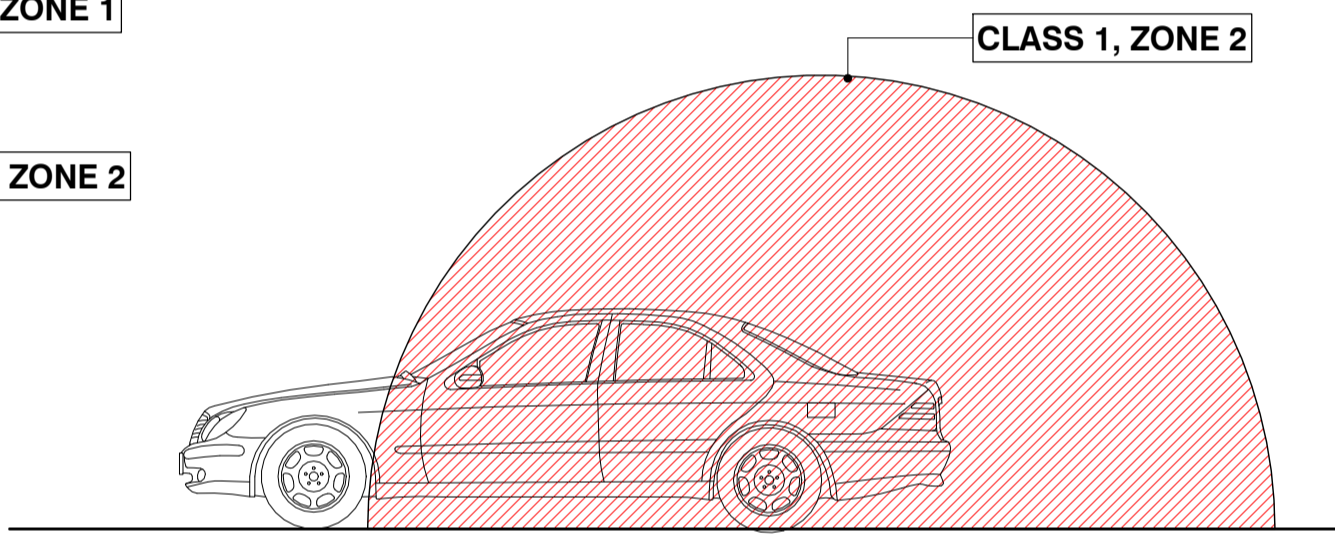
3 HAZNO AREA - FILL, VENT & VR
SCALE 1:50

ZONE CLASSIFICATION: AS/NZS 60079 (2009)
FILL, VENT AND OTHER PIPES FOR UNDERGROUND PETROL TANKS

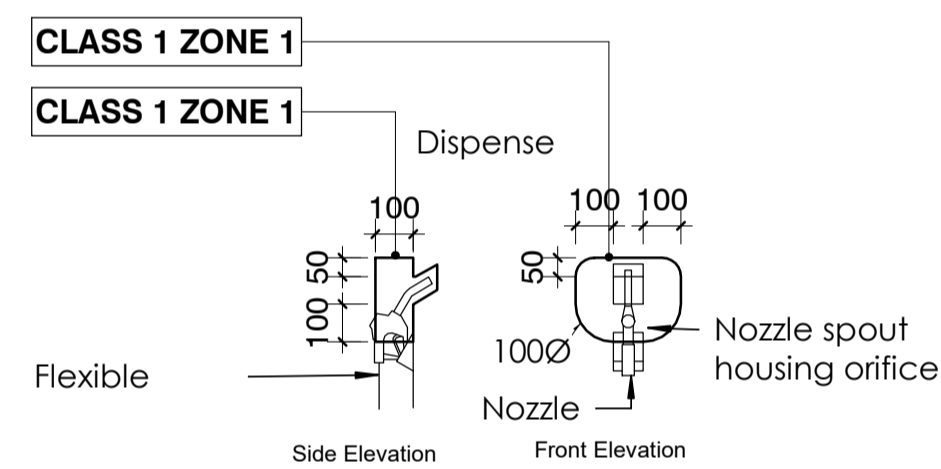
- ZONE 1:
A) WITHIN 1.5M RADIUS IN ALL DIRECTIONS FROM VENT PIPE OUTLET
ZONE 2:
B) WITHIN CYLINDRICAL VOLUME BELOW THE ZONE 1 SPHERICAL VOLUME.
C) WITHIN THE SPACE FROM GROUND LEVEL TO 1.0M ABOVE AND 4.0M Laterally FROM ANY FILL PIPE OR DIP PIPE OPENING
NOTE:
ALLOWANCES SHOULD BE MADE FOR POSSIBLE VARIATIONS IN TANKER POSITIONS.
INTERPRETATION:
THE RADIUS OF 1.5M IN A) & B) IS TAKEN FROM THE OUTER EDGE OF THE VENT PIPE. THE DISTANCE OF 0.5M SPECIFIED & C) IS TAKEN FROM THE EDGE OF OPENINGS (EG; RIM OF DIP OR FILL POINT)



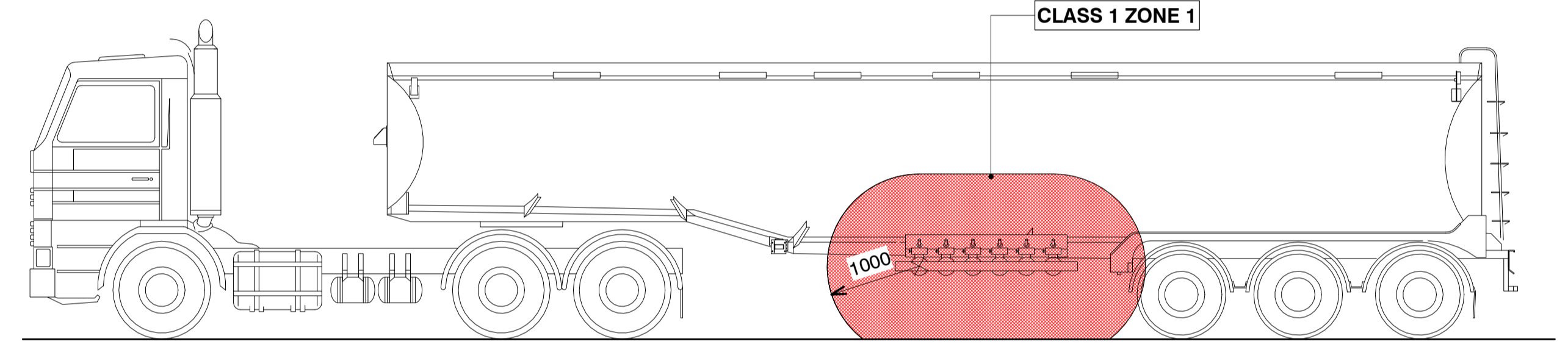
8 HAZNO AREA - VENT
SCALE 1:100



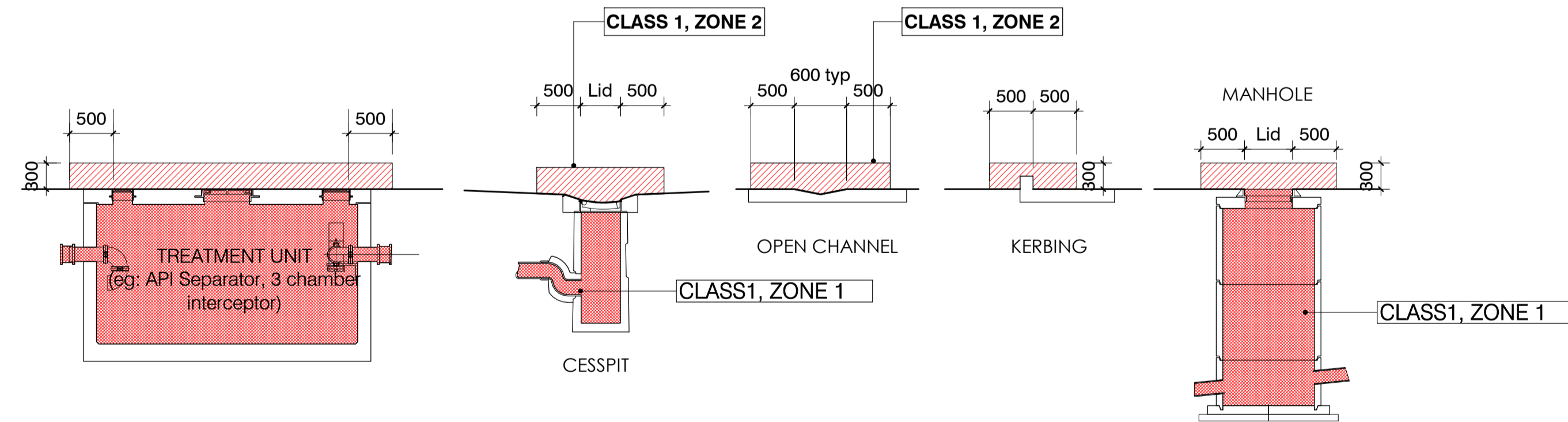
10 HAZNO AREA - FILL POINT
SCALE 1:50



9 HAZNO AREA - NOZZLE
SCALE 1:20



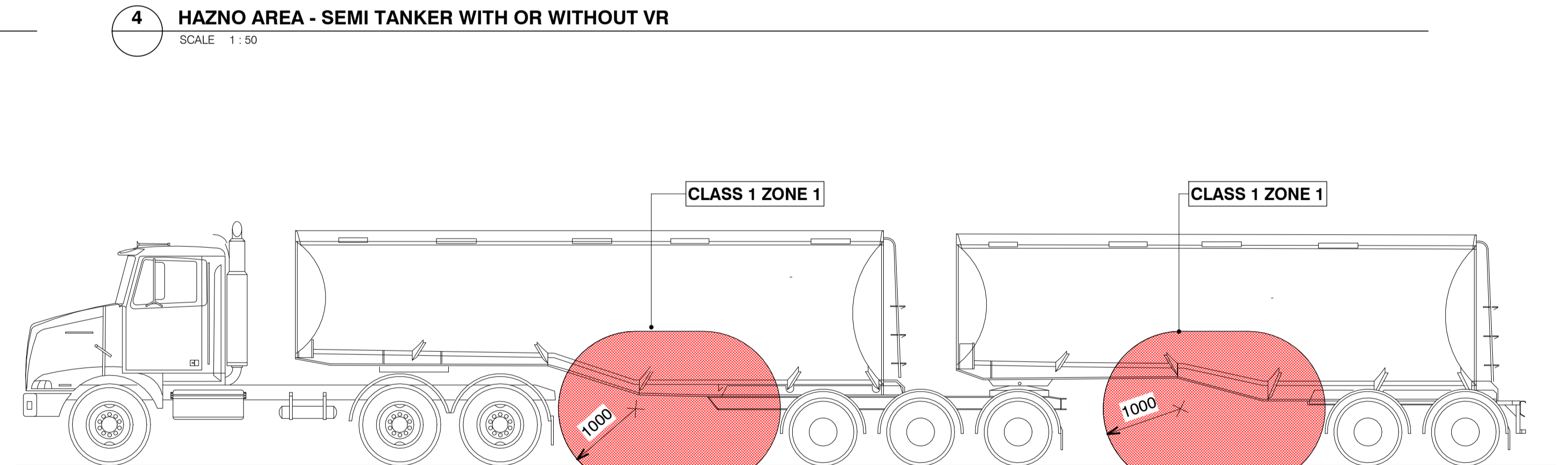
4 HAZNO AREA - SEMI TANKER WITH OR WITHOUT VR
SCALE 1:50



7 HAZNO AREA - CONTAMINATED SURFACE TREATMENT FIXTURES
SCALE 1:50

- ZONE CLASSIFICATION: AS/NZS 60079 (2009)
WASTE COLLECTION STORAGE VESSELS, DRAINS, SUMPS OR PITS
ZONE 1:
A) THE AREA WITHIN COLLECTION DRAINS, SUMPS AND PITS LOCATED ON THE FORECOURT OF THE PETROL DISPENSING AREA.
ZONE 2:
B) THE AREA WITHIN 0.3M VERTICAL AND 0.5M LATERAL FROM OPENINGS OF COLLECTION STORAGE VESSEL, DRAINS, SUMPS OR PITS.
ZONE 1:
C) INTERIOR OF COLLECTION STORAGE VESSEL

INTERPRETATION:
THE ABOVE ZONING ALSO APPLIES TO ALL CONTAMINATED STORMWATER CONTAINMENT/TREATMENT FEATURES. THIS INCLUDES AREAS WITHIN A WASTEWATER TREATMENT UNIT AS WELL AS ALL PIPING LEADING TO IT. THE DISTANCE OF 0.5M SPECIFIED IN B) IS TAKEN FROM THE EDGE OF OPENINGS (EG; RIM OF MANHOLE LID, CESSPIT LID) OR 0.5M BEYOND THE EDGES OF CONTAINED SURFACE FLOWS (EG: OPEN CHANNELS, ACO DRAINS, KERBING ETC)



5 HAZNO AREA - B-TRAIN WITH OR WITHOUT VR
SCALE 1:50