

TANK REPLACEMENT
940 PITTWATER ROAD
DEE WHY, NSW

SITE SPECIFIC DRAWINGS	
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INFORMATION ISSUE

NO.	DATE	BY	AMENDMENT	APPROVED
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	

7-ELEVEN STORES	<small>PTY LTD A.B.N. 48 005 289 427</small>
<small>INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782</small>	
<small>357 FERNTREE GULLY ROAD MOUNT WAVERLEY VICTORIA 3149 AUSTRALIA</small>	

DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE DRAWING LIST		
CHECKED BY	SHEET	SHEET SIZE A3	DRAWING No. HAZ-2563-D01
APPROVAL FOR ISSUE			REVISION NO. 0
SCALE NTS @A3			
DATE PLOTTED			

NOTES

1 GENERAL

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH:
7ELEVEN STORES SPECIFICATION " THE DESIGN & INSTALLATION OF UPSS"

2 TANK PIT - EXCAVATION

- . DEWATERING & TEMPORARY SHORING MAY BE REQUIRED DURING TANK EXCAVATION/INSTALLATION. REFER TO GEOTECHNICAL REPORT FOR SHORING AND ADDITIONAL GEOTECHNICAL PROTECTIVE MEASURES TO BE ADOPTED.
- . SHORING WILL BE REQUIRED, REGARDLESS OF GEOTECHNICAL RECOMMENDATIONS, WHERE EXCAVATION ENCROACHES INTO ADJOINING PROPERTIES OR MAY INTERFERE WITH EXISTING FOOTINGS OR FOUNDATIONS.
- . SHORING IS TO BE DESIGNED AT CONTRACTOR'S COST BY A CHARTERED CIVIL ENGINEER AND SUBMITTED TO THE CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO COMMENCEMENT OF EARTHWORKS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL EXISTING SERVICES PRIOR TO EXCAVATION.
- . PROTECTION OF ALL SERVICES & COUNCIL PROPERTY IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DAMAGE TO OFF-SITE PROPERTY CAUSED BY THE CONSTRUCTION SHALL BE MADE GOOD BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- . FINAL LOCATION OF TRENCHING FOR FUEL SYSTEM PIPEWORK AND ELECTRICAL SYSTEM CONDUITS IS TO BE APPROVED BY THE CONSTRUCTION MANAGER. TRENCHING TO BE RATIONALISED AS MUCH AS PRACTICABLE.
- . CONTRACTOR TO ALLOW TO BATTER OR STEP EXCAVATION UNLESS GEOTECHNICAL RECOMMENDATION CALLS FOR A SHORED EXCAVATION.
- . EXCAVATED MATERIALS REMOVED FROM EXISTING EXCAVATIONS CANNOT BE RE-USED AS FILL MATERIAL.
- . FILL EXCAVATIONS ARE TO BE BACKFILLED WITH APPROVED IMPORTED BACKFILL MATERIAL AS PER TANK MANUFACTURER INSTALLATION PROCEDURES.
- . GEOTEX FABRIC IS TO BE USED TO LINE THE TANK EXCAVATION.
- NOTE : STORAGE TANK BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH TANK MANUFACTURER SPECIFICATIONS.

3 TANK INSTALLATION

- . MINIMUM TANK BURIAL DEPTH TO BE 900 mm.
- . MINIMUM CLEARANCE TANK TO BOUNDARIES IS 2000 mm UNO.
- . IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL EXISTING SERVICES PRIOR TO EXCAVATION.
- . REFER TO STANDARD DRAWING GEN I 7-TO03 FOR TANK EXCAVATION CLEARANCES FOR SHORED AND NON-SHORED INSTALLATIONS.
- . PROPERTY DAMAGE CAUSED BY THE CONSTRUCTION SHALL BE MADE GOOD. INSTALLATION CONTRACTOR IS TO OBTAIN TANK MANUFACTURER'S APPROVAL OF BACKFILL MATERIAL AND MATERIAL GRADING CHART.
- . TANK PRIMARY AND SECONDARY SPACE INTEGRITY IS TO BE PROVEN PRIOR TO INSTALLATION, IN ACCORDANCE WITH THE SPECIFICATION.
- . INSTALLATION CONTRACTOR IS TO PROVIDE SUITABLE AND ADEQUATE TANK INSTALLATION AND INSTALLATION SAFETY PROCEDURES IN THE SITE SAFETY MANAGEMENT PLAN, AND SHALL PROVE SUFFICIENT COMMUNICATION OF THESE TO THE SITE STAFF.
- . ALL TANKS ARE TO BE HELD DOWN TO MANUFACTURER'S SPECIFICATIONS.
- . TOP OF EXCAVATION BATTER IS SHOWN DIAGRAMMATIC ONLY. REFER STANDARD DRAWING GEN I 7-TO03 AND SITE SPECIFIC DRAWINGS FOR FINAL NUMBER AND LOCATIONS OF WELLS.
- . NO SERVICES ARE PERMITTED TO CROSS THE TANK EXCAVATION.

4 TANK FITTINGS - TANK REPLACEMENT/NEW INSTALLATION

- . TANK MANWAY PAVEMENT COVER. REFER STANDARD DRAWING GEN I 7-TO10-2 FOR DETAILS.
- . PAVEMENT TO BE RAISED AROUND ALL FORECOURT PENETRATIONS TO RESIST WATER INGRESS AND TO PROMOTE SURFACE WATER RUNOFF AWAY FROM PAVEMENT COVERS.
- . NEW TANK SUMPS AND LIDS TO BE INSTALLED.
- . CONTRACTOR IS TO PROVIDE CLEAR PERMANENT NOTICE ON TANK SUMP INNER LID "DO NOT ENTER-TRAINED PERSONNEL ONLY".
- . TANK SUMP AND LID SEAL TO BE WATERTIGHT. SUMPS ARE TO BE WATER TESTED TO CONFIRM.
- . SUMPS TO HAVE TELEFLEX AND BALL VALVES.

5 FUEL SYSTEM LINEWORK

- . MINIMUM PIPE GRADE IS 1 : 100 BACK TOWARDS THE TANKS.
- . MINIMUM PIPE COVER TO BE 300mm (UNDER CONCRETE) OR 450mm UNDER LANDSCAPED AREAS.
- . ALL DIRECT BURIED STEEL FITTINGS ARE TO BE DENSO WRAPPED OR OTHERWISE CATHOLICALLY PROTECTED.
- . FUEL SYSTEM PIPEWORK IS TO PENETRATE AS CLOSE AS PERPENDICULAR TO TANK SUMP WALLS AS POSSIBLE.
- . ALL PRODUCT LINES ARE TO BE TAGGED AT BOTH ENDS IMMEDIATELY ON INSTALLATION TO PERMIT CORRECT EQUIPMENT FIT-OFF.
- . ALL PRODUCT LINES ARE TO BE TAGGED AT BOTH ENDS IMMEDIATELY ON INSTALLATION TO PERMIT CORRECT EQUIPMENT FIT-OFF.
- . ALL PRODUCT, FILL, VENT, VR LINES ARE TO BE PRECISION TESTED, IN ISOLATION, IN ACCORDANCE WITH THE SPECIFICATION.
- . PIPING IS TO BE LAID TO MANUFACTURER'S PROCEDURES AND WITH A MINIMUM NUMBER OF BENDS. ROUTES SHOWN ARE INDICATIVE ONLY, USE SHORTEST PRACTICABLE ROUTE TO MINIMISE PIPE LENGTH.
- . MAX LENGTH OF SINGLE STRAIGHT FILL PIPING RUN IS 12m.
- . PRODUCT PIPING TERMINATION TO BE DIRECT PIPED. FLANGES & TITEFLEX HOSES ARE NOT TO BE USED.

6 IN-GROUND REMOTE FILL POINTS

- . SPILL CONTAINMENT BOX TO BE INSTALLED. REFER TO STANDARD DRAWINGS.
- . FUEL SPILL CONTAINMENT BOX TO BE APPROVED BY 7-ELEVEN ENGINEER AND TO BE CAPABLE OF CONTAINING A MINIMUM OF 15 LITRES OF PRODUCT
- . FILL POINT PERMANENT PAVEMENT MARKERS ARE TO BE FIXED TO THE PAVEMENT FACING THE TANKER DRIVER.
- . FILL RISERS AND INTERNAL SPILL CONTAINERS ARE TO BE EARTHED.
- . VERIFY THE SETTING AND OPERATION OF ALL FILL LINE OVERFILL PROTECTION VALVES IF FITTED. VALVES TO BE SET TO 95% ACTUAL TANK CAPACITY.
- . CHAIN AND TAGS TO BE NOMINATED AROUND ALL RISERS.
- . FILL LINES TO BE TAGGED AT BOTH ENDS PRIOR TO BACKFILLING
- . FILL/ SPILL CONTAINMENT SUMPS TO BE TESTED AFTER INSTALLATION TO ENSURE NO LEAKAGE
- . DIRECT FILL RISERS TO BE DENSO WRAPPED.

7 DIP POINTS

- . DIP RISERS ARE TO HAVE LOCKABLE SIDE SEAL CAPS FIXED BY CHAINS AND PRODUCT ID MARKERS FIXED TO THE RISERS BELOW THE ADAPTORS.
- . PAVEMENT DIP POINT COVERS ARE TO BE PAINTED APPROPRIATE TO PRODUCT AND/OR HAVE PERMANENT PAVEMENT MARKERS FITTED.
- . DIP RISERS TO BE DENSO WRAPPED.
- . ADEQUATE CLEARANCE TO BE GIVEN BETWEEN ALL RISERS CAPS AND UNDERSIDE OF PAVEMENT COVERS. (REFER STANDARD DRAWINGS)
- . RISERS AND CAPS TO BE CLEAR OF PROTECTIVE SURROUND TO PERMIT EASY OPENING AND CLOSING OF CAPS.
- . DIP CAPS TO BE 100mm SCREWED BRASS CAPS.

8 VENTS

- . NEW VENT STACK. REFER STANDARD DRAWING GEN I 7-TO05 FOR DETAILS.
- . FREE FLOW VENT CAPS TO BE INSTALLED UNO.
- . VENT STACK TO BE PAINTED TO 7ELEVEN PAINT SPECIFICATION.
- . VENT TERMINATION TO BE ISOLATABLE VIA EXTRACTOR IF DIRECT BURIED.
- . VENT RISERS TO BE DENSO WRAPPED.

9 MONITORING SYSTEMS

- . GVR-TLS-450PLUS TO BE INSTALLED UNO.
- . AUTOMATIC TANK GAUGE PROBES ARE TO BE FITTED TO ALL TANK COMPARTMENTS. REFER STANDARD DRAWING GEN I 7-TO10
- . CONTRACTOR IS TO CONFIRM LOCATION OF PROBES IN TANKS WITH THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- . PRESSURE LINE LEAK DETECTION IS TO BE INSTALLED IN ALL PRESSURE PRODUCT DELIVERY SYSTEMS.
- . CONDUITS AND CABLES ARE TO BE INSTALLED AS NOTED ON STANDARD DRAWINGS. REFER TO SITE ELECTRICAL DRAWING FOR APPROXIMATE LOCATIONS OF EQUIPMENT AND CONDUIT PATHS.
- . WHERE POSSIBLE, PROBES ARE TO BE INSTALLED IN TANK SUMPS.
- . PROBE, CONSOLE, SENSOR & CABLING INSTALLATION, PROGRAMMING, TESTING COMMISSIONING AND TRAINING TO BE CONDUCTED BY CERTIFIED AND ENDORSED CONTRACTORS.
- . SYSTEM MUST BE FULLY OPERATIONAL FOR PRODUCT TO BE SAFELY STORED. COMMISSIONING CHECK SHEETS MUST BE PRESENTED TO CM AND STAFF TRAINED.

10 PUMPS/DISPENSERS

- . ALL PUMPS/DISPENSERS TO HAVE CONTAINMENT SUMPS FITTED. REFER STANDARD DRAWINGS FOR DETAILS.
- . WHERE ISLANDS ARE REQUIRED, CONSTRUCT IN ACCORDANCE WITH 7ELEVEN STANDARD.
- . SUPPLY AND INSTALL INVERTED "U" BOLLARDS WHERE SHOWN.
- . SHEAR VALVE TO PRESSURE PIPE CONNECTION TO BE VIA TITEFLEX LINE. REFER STANDARD DRAWING GEN I 7-TO08-3 FOR DETAILS.
- . EXPOSURE OF CANOPY FOOTINGS MAY REVEAL FOOTING AS BEING TOO HIGH. 7ELEVEN IS TO ORGANISE A STRUCTURAL ENGINEER TO INSPECT AND ADVISE REGARDING SUMP INSTALLATION.
- . DISPENSERS ARE TO BE INSTALLED & COMMISSIONED BY DISPENSER SUPPLIERS.

11 FORECOURT

- . PAVEMENT THICKNESS, JOINTING, COLOUR AND FINISH IS TO BE IN ACCORDANCE WITH SITE CIVIL DRAWING.
- . CONTRACTOR IS TO PROVIDE ALL LINE MARKING AS SHOWN ON DRAWINGS.
- . FILL POINT PAVEMENT LIDS TO BE ELEVATED TO PROMOTE WATER RUNOFF.
- . FILL LINES TO BE TAGGED AT BOTH ENDS PRIOR TO BACK FILLING.
- . SPILL CONTAINERS TO BE WATER TESTED AGAINST RISERS TO ENSURE NO LEAKAGE.
- . SPILL CONTAINERS ARE TO BE LEFT CLEAN AND DRY.
- . CONTRACTOR TO HOARD/SECURE SITE FOR DURATION OF WORKS
- . CONTRACTOR TO INSTALL TEMPORARY FENCING AROUND SITE BOUNDARIES.

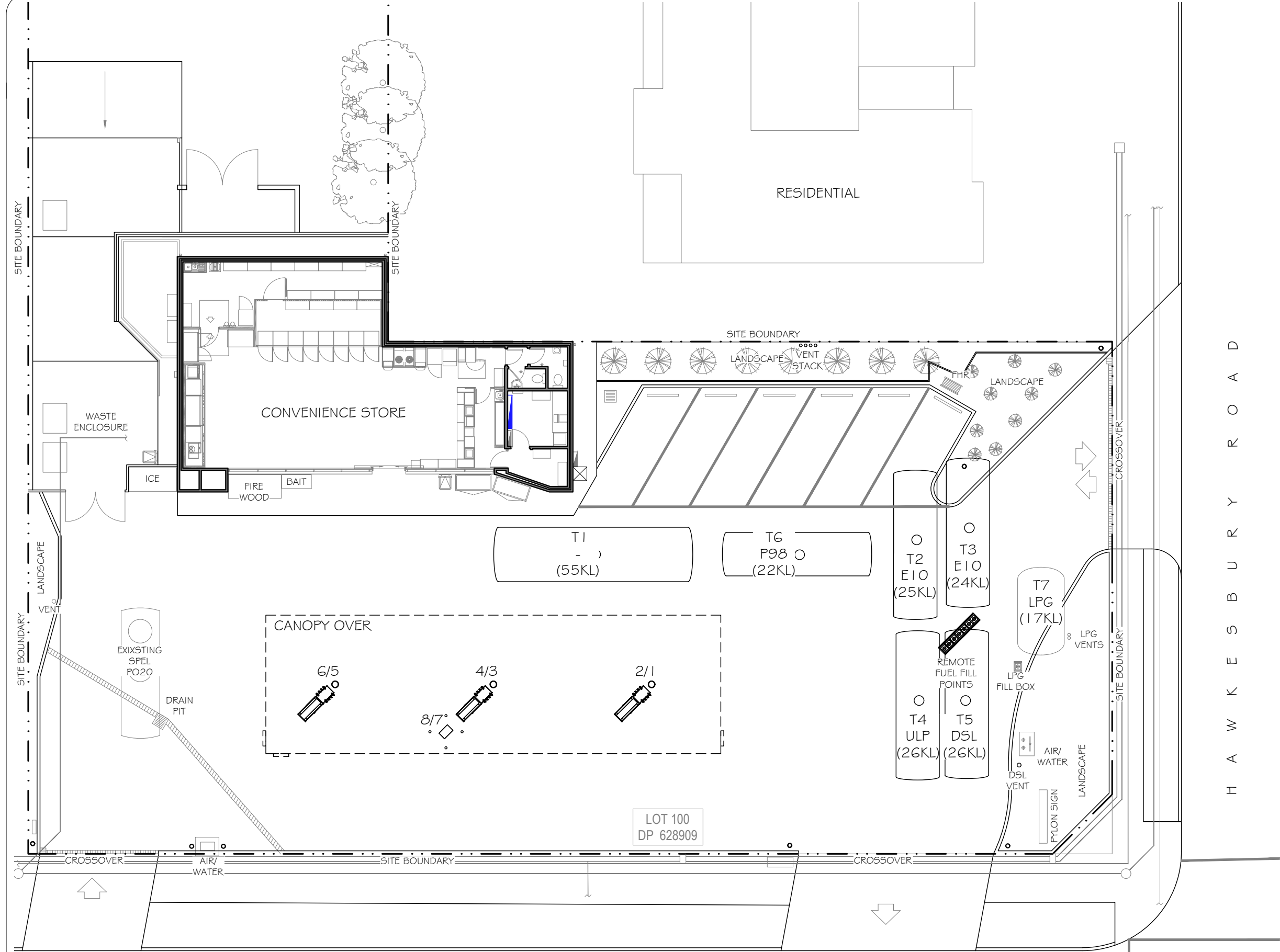
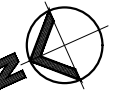
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0	16.12.19	EZ	INITIAL HAZKEM ISSUE	
NO.	DATE	BY	AMENDMENT	APPROVED

7-ELEVEN STORES		PTY LTD
INCORPORATED IN VICTORIA		A.B.N. 48 005 299 427
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357 FERNTREE GULLY ROAD MOUNT WAVERLEY		
VICTORIA 3149 AUSTRALIA		



DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE GENERAL NOTES		
CHECKED BY	SHEET	SHEET SIZE A3	DRAWING No. HAZ-2563-D02
APPROVAL FOR ISSUE	REVISION No. 0		
SCALE NTS @A3			
DATE PLOTTED			



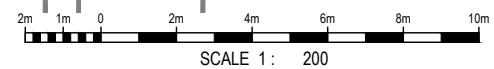
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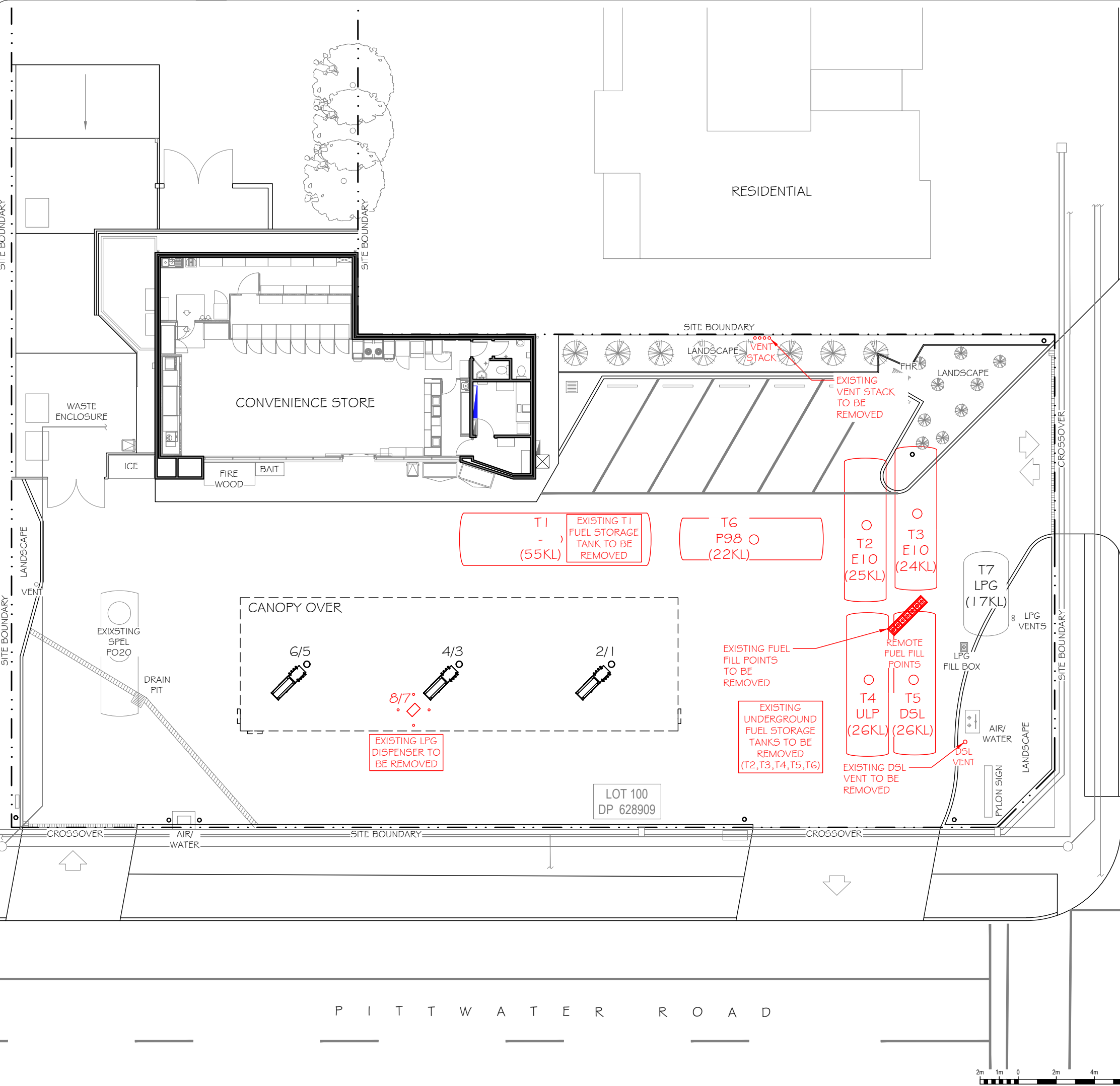
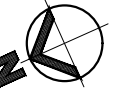
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DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTSWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE SITE PLAN EXISTING CONDITIONS		
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APPROVAL FOR ISSUE	SHEET SIZE A3	DRAWING No. HAZ-2563-A01	REVISION NO. 0
SCALE 1:200 @A3	DATE PLOTTED		





H A W K E S B U R Y R O A D

P I T T W A T E R R O A D

LOT 100
DP 628909

INFORMATION ISSUE

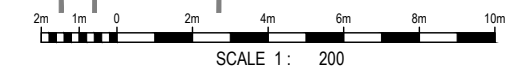
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	16.12.19	EZ	INITIAL HAZKEM ISSUE	

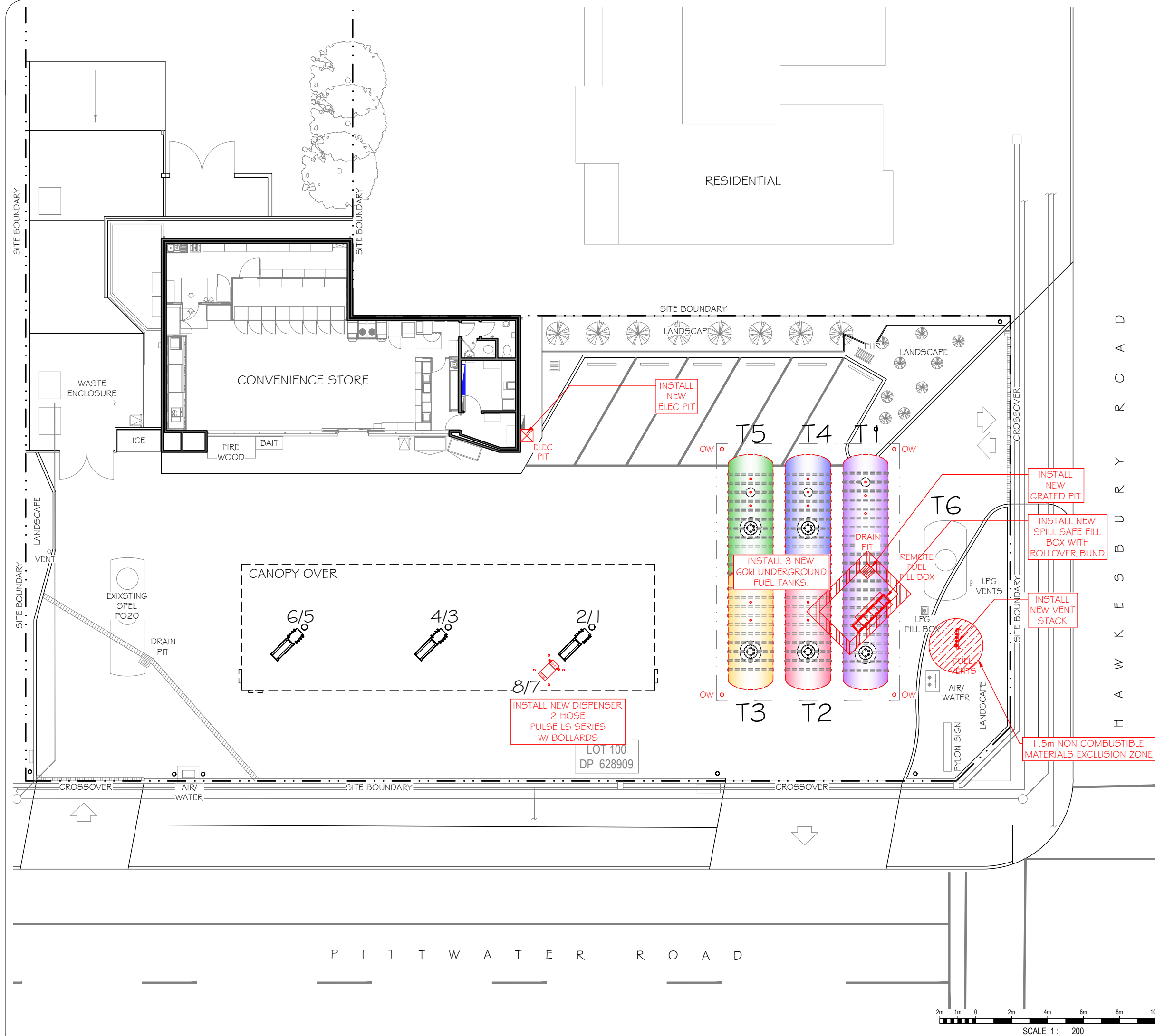
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357 FERNTREE GULLY ROAD MOUNT WAVERLEY
 VICTORIA 3149 AUSTRALIA



DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE DEMOLITION LAYOUT		
CHECKED BY	SHEET A3		
APPROVAL FOR ISSUE	DRAWING No. HAZ-2563-A02		REVISION No. 0
SCALE 1:200 @A3	DATE PLOTTED		





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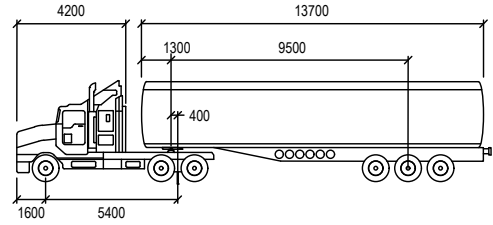
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1	10.02.20	EZ	55KL TANK REMOVED	
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	

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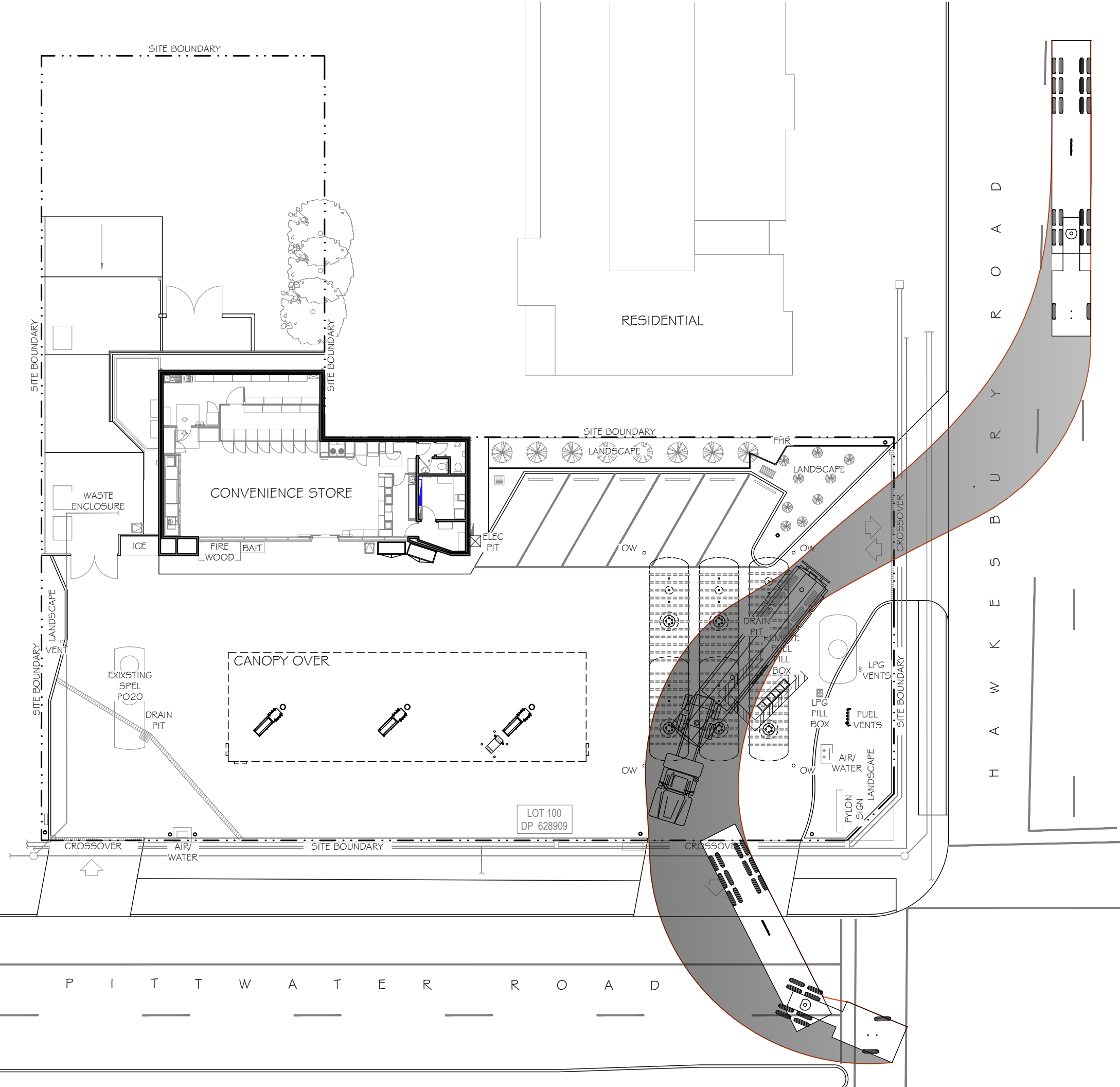


DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE PROPOSED SITE PLAN		
CHECKED BY	SHEET		
APPROVAL FOR ISSUE	SHEET SIZE A3	DRAWING No. HAZ-2563-A03	REVISION No. 0
SCALE 1:200 @A3	DATE PLOTTED		



19M TRI AXLE TANKER mm

Tractor Width	: 2500	Lock to Lock Time	: 6.0
Trailer Width	: 2500	Steering Angle	: 25.1
Tractor Track	: 2500	Articulating Angle	: 70.0
Trailer Track	: 2500		



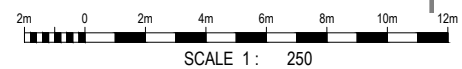
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1	10.02.20	EZ	55KL TANK REMOVED	
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	





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 357 FERNTREE GULLY ROAD MOUNT WAVERLEY
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DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE TANKER PATH LAYOUT		
CHECKED BY	SHEET A3		
APPROVAL FOR ISSUE	DRAWING No. HAZ-2563-A04		REVISION No. 0
SCALE 1:250 @A3	DATE PLOTTED		



LEGEND

-  SEDIMENTATION FENCE
-  GRAVEL BAG SEDIMENT TRAP
-  GEOTEXTILE INLET FILTER
-  TREE PROTECTION ZONE & FENCING

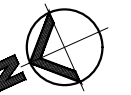
TREE PROTECTION MEASURES

- TREE PROTECTION FENCING IS TO BE ERECTED DEFINING A 5m RADIUS.
- PROTECTIVE FENCING SHALL COMPRISE CHAIN LINK WIRE AND NO LESS THAN 1.8m HIGH AND ANCHORED DOWN WITH CONCRETE BLOCKS/STIFFUPS IN A NON-INTRUSIVE MANNER.
- THE FENCING MUST BE SIGN POSTED, INCLUDING PROJECT ARBORIST DETAILS, TO WARN ALL RELEVANT CONTRACTORS OF TPZ AND STATE THE FOLLOWING;
"TREE PROTECTION ZONE: ENTRY NOT PERMITTED INTO THE TPZ WITHOUT CONSULTING THE PA."

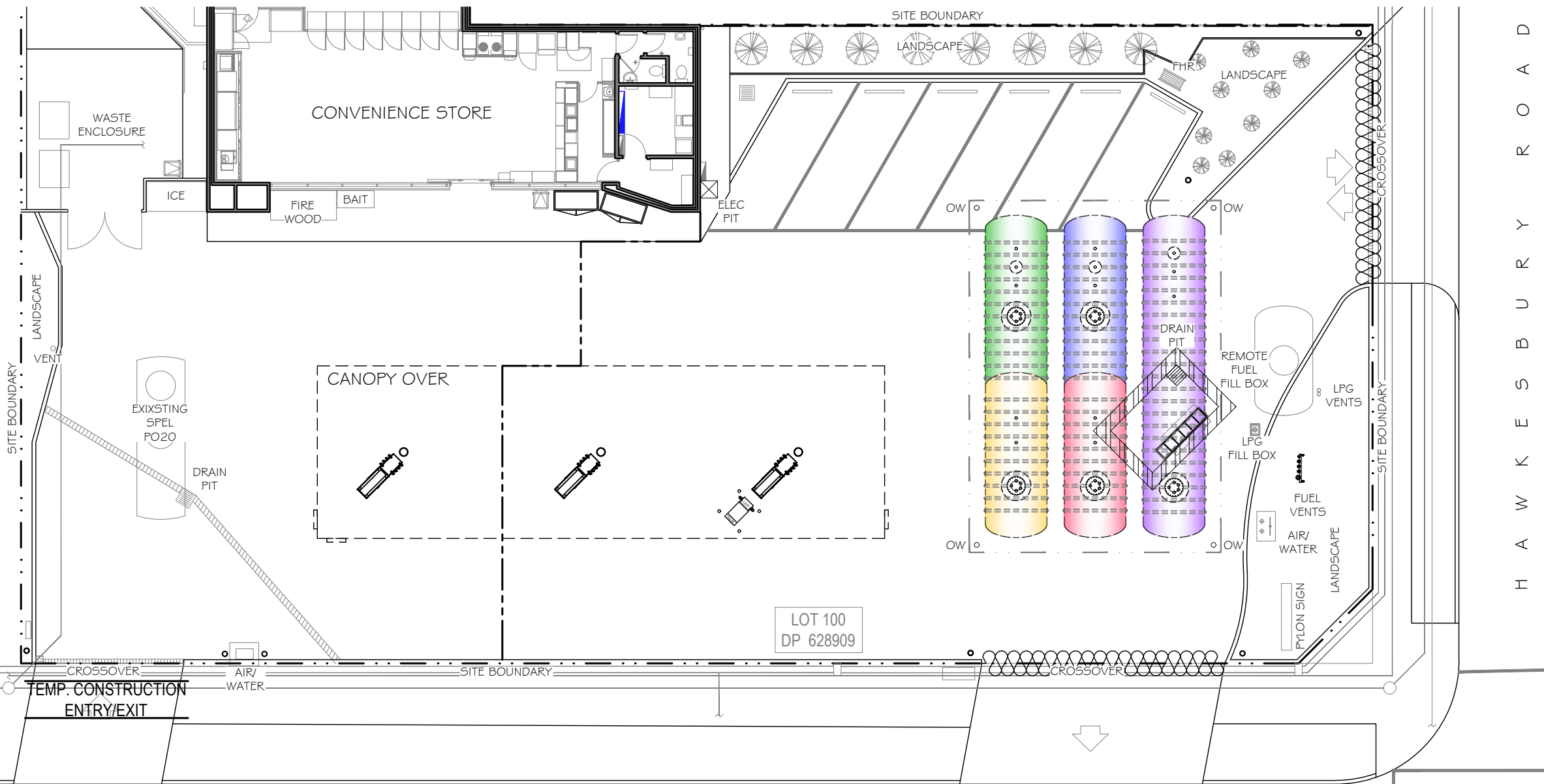
SEQUENCE OF WORKS

THE INSTALLATION OF SOIL AND WATER MANAGEMENT FEATURE MUST BE INSTALLED IN THE FOLLOWING ORDER -

- S1. CONSTRUCT SILT FENCES BELOW SITE AND ACROSS ALL RUNOFF AREAS.
- S2. PROVIDE SANDBAG KERB INLET SEDIMENT TRAPS AROUND ANY EXISTING STORMWATER PITS AND WITHIN TABLE DRAINS.
- S3. CONSTRUCT DETENTION TANK FOR USE AS A SILTATION BASIN. LIMIT OUTFLOW FROM BASIN.
- S4. CONSTRUCT MEASURES TO DIVERT UPSTREAM FLOWS AWAY FROM SITE, WHERE POSSIBLE.
- S5. DIVERT ALL RUNOFF FROM SITE TO DETENTION TANK/SEDIMENT POND VIA FENCES, SWALES AND BUNDS.
- S6. PROVIDE SANDBAG KERB INLET SEDIMENT TRAPS AROUND STORMWATER PITS AS THEY ARE CONSTRUCTED.



TEMP. CONSTRUCTION EXIT




EROSION AND SEDIMENT CONTROL

- ES1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH: MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, MARCH 2004.
- ES2. EROSION AND SEDIMENT DEVICES TO BE INSTALLED PRIOR TO COMMENCEMENT OF WORK.
- ES3. MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES IN ACCORDANCE WITH THE REQUIREMENTS IN THE NOMINATED DOCUMENTS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
- ES4. PREVENT SITE RUNOFF ENTERING ANY STORMWATER PITS THAT WERE NOT PROTECTED BY SATISFACTORY EROSION AND SEDIMENT CONTROL.
- ES5. MINIMISE THE AREA OF THE SITE BEING DISTURBED AT ANY ONE TIME. MAXIMUM LENGTH OF OPEN EXCAVATION SHOULD NOT EXCEED 40m, WHERE PRACTICAL.
 1. PROVIDE SEDIMENT FENCES AT THE DOWNSTREAM END OF ALL DISTURBED AREAS.
 2. SURROUND ALL CONSTRUCTION AREAS WITH SEDIMENT FENCES.
 3. SURROUND ALL STOCKPILES WITH SEDIMENT FENCES.
 4. TURF STRIPS SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE SEDIMENT FENCES WHERE THERE IS NO EXISTING VEGETATION COVER.
- ES6. ANY SOIL AND WATER CONTROL MEASURES AFFECTED DURING THE DAYS WORK ARE TO BE REINSTATED AT THE END OF EACH WORKING DAY.
- ES7. ALL AVAILABLE TOPSOIL FROM WITHIN THE AREA OF DISTURBANCE SHALL BE STOCKPILED FOR THE PURPOSE OF RE-VEGETATION OR REMOVED FROM SITE TO AN APPROVED LANDFILL.
- ES8. STOCKPILE OF SOIL MATERIALS SHALL NOT BE PLACED ON NATURE STRIPS, FOOTPATHS, ROADWAYS, KERBS, ACCESS CROSSING OR WITHIN WATER WAYS.
- ES9. SOIL AND WATER CONTROL MEASURES MAY BE MODIFIED TO BEST SUIT THE CONDITIONS APPLICABLE TO ANY ONE TIME. ANY MODIFICATION MUST BE IN ACCORDANCE WITH THE NOMINATED DOCUMENTS OR AS DIRECTED BY THE SUPERVISING ENGINEER. THE SOIL & WATER CONTROL MEASURES SHOWN ON THE PLAN ARE INDICATIVE ONLY.
- ES10. CLEAN SURFACE WATER FROM UPSTREAM OF ANY WORKING AREA MUST BE CONTROLLED SO THAT IT DOES NOT ENTER THE DISTURBED AREA.
- ES11. THE UNDERBODY AND TYRES OF ANY VEHICLES LEAVING THE SITE MUST BE INSPECTED AND CLEANED AS NECESSARY.
- ES12. THE EROSION AND SEDIMENT CONTROL WORKS ARE TO BE PROVIDED OR MODIFIED IN THE SEQUENCE SPECIFIED IN THE NOMINATED DOCUMENTS.

INFORMATION ISSUE

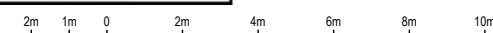
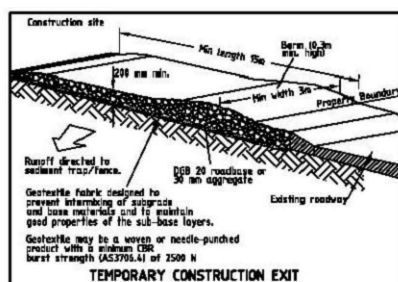
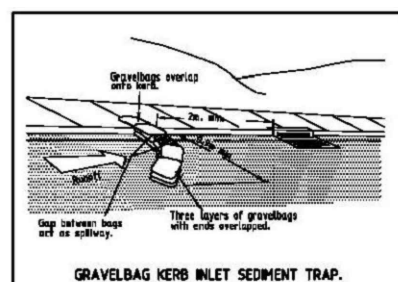
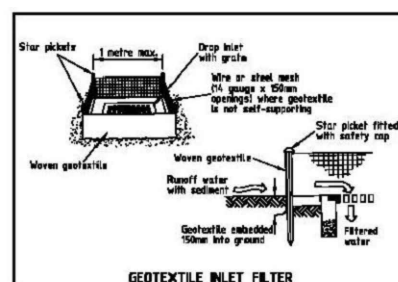
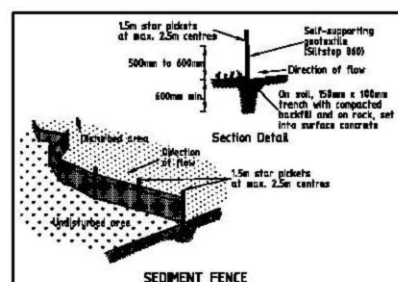
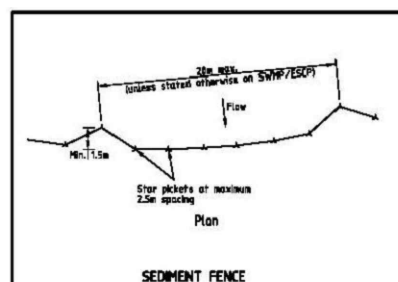
1	10.02.20	EZ	55KL TANK REMOVED, SEDIMENTATION FENCE ADJUSTED	
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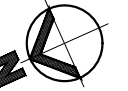


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DRAWN BY EZ	TITLE EROSION AND SEDIMENT CONTROL PLAN
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SCALE 1:200 @A3	SHEET SIZE A3
DATE PLOTTED	REVISION No. 0

PIT WATER ROAD



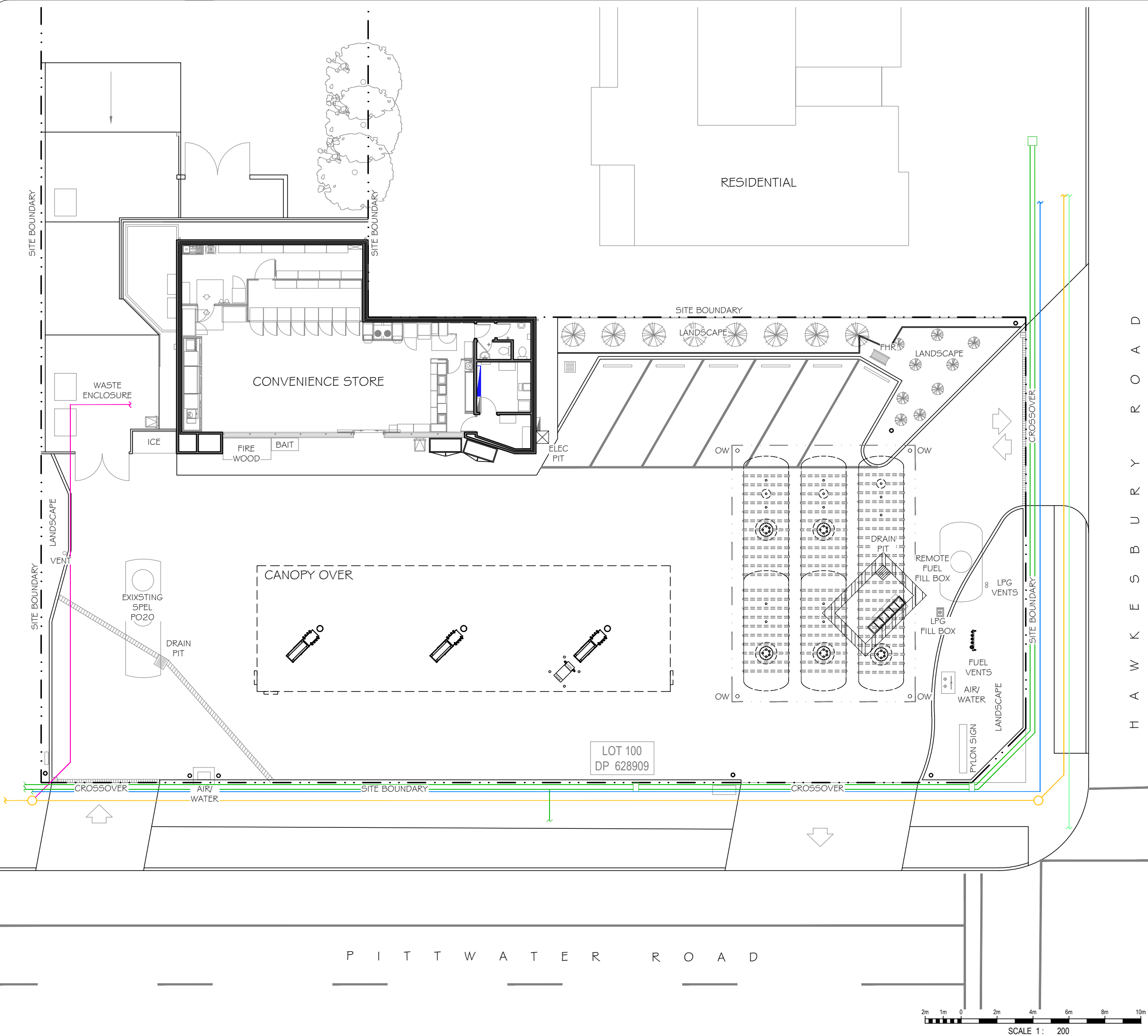
SCALE 1: 200



LEGEND:

- SERVICES - NBN
- SERVICES - TELSTRA
- SERVICES - JEMENA DBYD
- SERVICES - AARNET
- SERVICES - AUSGRID


NOTE:
ASSETS ARE SHOWN FOR TENDERING PURPOSES ONLY, ADDITIONAL INDEPENDENT CONFIRMATION SHOULD BE MADE PRIOR TO ANY EXCAVATION.



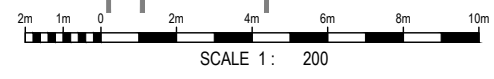
INFORMATION ISSUE

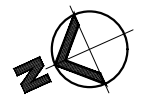
1	10.02.20	EZ	55KL TANK REMOVED	
0	19.12.19	EZ	INITIAL HAZKEM ISSUE	
NO.	DATE	BY	AMENDMENT	APPROVED

7-ELEVEN STORES PTY LTD
INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782
 357 FERNTREE GULLY ROAD MOUNT WAVERLEY
 VICTORIA 3149 AUSTRALIA



DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE ASSET LOCATION PLAN		
CHECKED BY	SHEET	SHEET SIZE A3	DRAWING No. HAZ-2563-A06
APPROVAL FOR ISSUE	DATE PLOTTED	REVISION No. 0	





TANK SCHEDULE						
TANK-ID	TANK-SIZE	TANK MANUFACTURER	COMPARTMENT-SIZE	SUB-PUMP	PRODUCT	DISPENSER-FEEDS
T1	60, 000LT	TANK SOLUTIONS DWT	60, 000LT	RED JACKET 1.5 HP	ULP	1,2,3,4,5,6
T2	60, 000LT	TANK SOLUTIONS DWT	30, 000LT	RED JACKET 1.5 HP	EIO	1,2,3,4,5,6
T3	60, 000LT	TANK SOLUTIONS DWT	30, 000LT	RED JACKET 1.5 HP	P95	3,4
T4	60, 000LT	TANK SOLUTIONS DWT	30, 000LT	RED JACKET 1.5 HP	P98	1,2,5,6
T5	60, 000LT	TANK SOLUTIONS DWT	30, 000LT	RED JACKET 1.5 HP	DSL	1,2,3,4,5,6

FUEL LINE QUANTITIES		
PIPE NOM. SIZE	PIPE DESCRIPTION	PIPE LENGTH (Meters)
63.00 NB	PIPES VENT VR2	37 M
63.00 NB	PIPES VENT PRODUCT	46 M
63.75 NB	PIPES PRESSURE DOUBLE CONTAINMENT	168 M
90.00 NB	PIPES VENT VR1	6 M
110.00 NB	PIPES FILL	32 M

NOTE:
EXISTING LINework UNDER CANOPY ARE REPRESENTATIVE ONLY.
EXACT ROUTE AND POSITION UNKNOWN.

LEGEND
 PRESSURE LINES- 63nb
 DOUBLE CONTAINED NCPP
 FILL LINES- 110nb
 SINGLE WALL NCPP
 VENT LINES
 VR1 - VAPOUR RECOVERY- 90nb SINGLE WALL NCPP
 VR2 - SECONDARY VAPOUR RECOVERY- 63/90nb
 SINGLE WALL NCPP. ONLY TO BE CONNECTED
 WHERE REQUIRED BY STATE/LOCAL LEGISLATION OR
 COMPANY ENGINEER.

FUTURE SYPHON LINES- 63nb (NOT CONNECTED)
 DOUBLE CONTAINED NCPP

FS - FUTURE SYPHON LINES - CAPPED OFF
 ATG - AUTOMATIC TANK GAUGE
 OW - OBSERVATION WELL
 HYD - HYDROGUARD

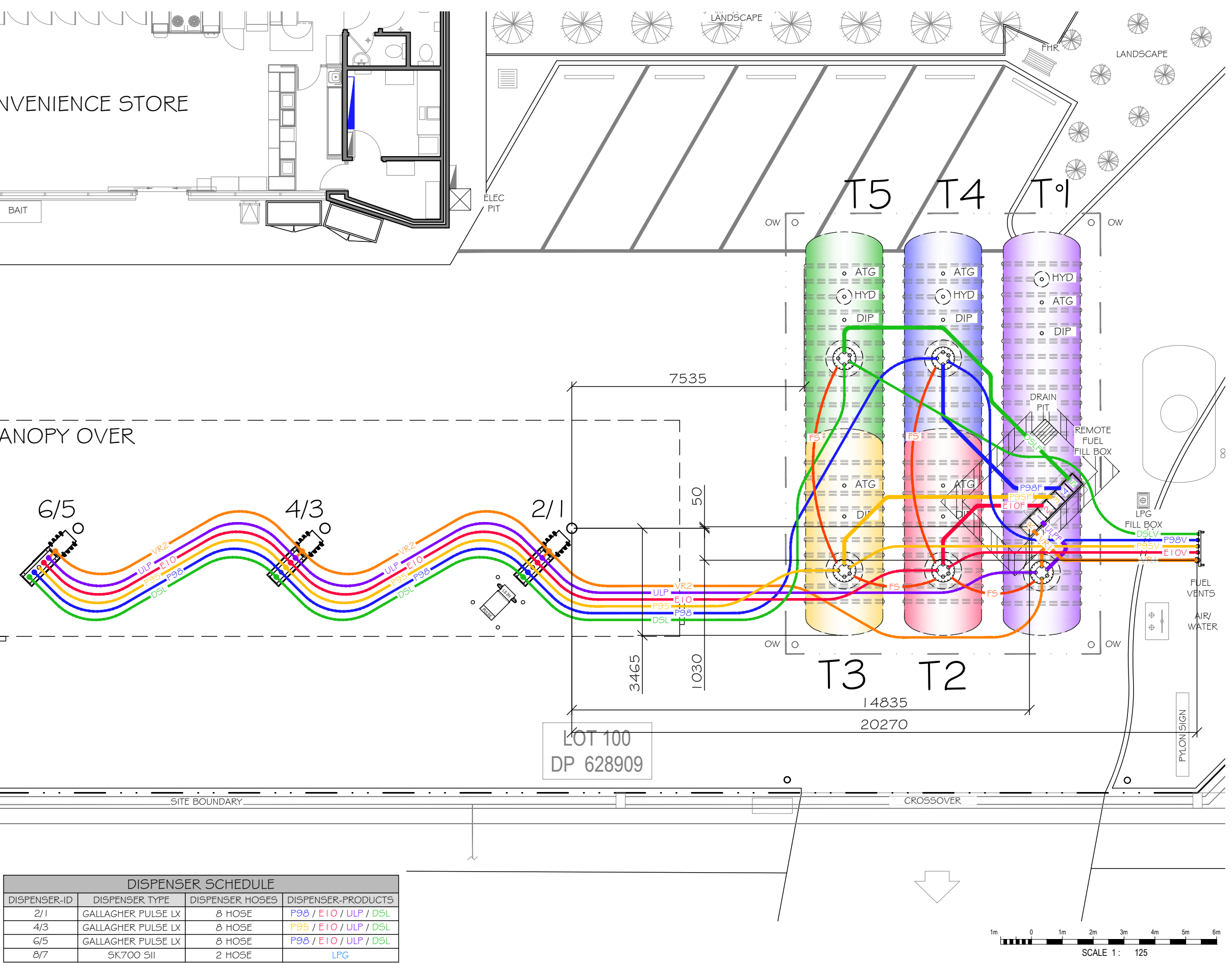
FUEL SYSTEM NOTES:

1. INSTALL OVERFILL PROTECTION TO ALL TANK FILL LINES.
2. INSTALL BOTTOM ANCHORS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
3. TANKS ARE TO BE INSTALLED IN ACCORDANCE WITH AS 1940 AND AS 4897 AND MANUFACTURERS GUIDELINES
4. ALL TANK FILL & DIP POINTS TO HAVE NOMINATED IDENTIFICATION MARKERS FITTED TO AS 4977
5. ALL PIPING TO FALL MIN 1:100 BACK TO TANKS
6. INTERNAL LIDS TO FILL BOX PRODUCT FILL POINTS TO BE SECURELY LABELLED WITH STANDARD COLOUR CODED PRODUCT MARKER INDICATORS
7. PLUG UNUSED TANK OPENINGS, CLEARLY COLOUR CODE & LABEL ALL PRODUCT LINES AT STP'S, DISPENSERS AND FILL BOX
8. SUPPLY & INSTALL Ø300 LOCK BOXES AT DIP POINTS, TANK MONITORS, AND EXCAVATION OBSERVATION WELLS.
9. SUPPLY Ø300 RISER AROUND ALL DIP, ATG, RISERS OUTSIDE TURRETS

NOTE:
OBSERVATION WELLS SHOWN.
GROUND WATER MONITORING WELLS
LOCATIONS, AS REQUIRED BY AS4897,
TO BE DETERMINED BY SITE ENGINEER.

- STP SUPPLIER & CAPACITY TO BE CONFIRMED BY 7-ELEVEN ENGINEER.

LINE QUANTITIES ARE FOR REFERENCE PURPOSES ONLY.



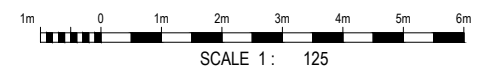
ANOPY OVER

INFORMATION ISSUE

NO.	DATE	BY	AMENDMENT	APPROVED
1	10.02.20	EZ	DSL VENT RELOCATED, 55KL TANK REMOVED	
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	

7-ELEVEN STORES PTY LTD
 INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782
 357 FERNTREE GULLY ROAD MOUNT WAVERLEY
 VICTORIA 3149 AUSTRALIA

DISPENSER SCHEDULE			
DISPENSER-ID	DISPENSER TYPE	DISPENSER HOSES	DISPENSER-PRODUCTS
2/1	GALLAGHER PULSE LX	8 HOSE	P98 / EIO / ULP / DSL
4/3	GALLAGHER PULSE LX	8 HOSE	P95 / EIO / ULP / DSL
6/5	GALLAGHER PULSE LX	8 HOSE	P98 / EIO / ULP / DSL
8/7	SK700 SII	2 HOSE	LPG

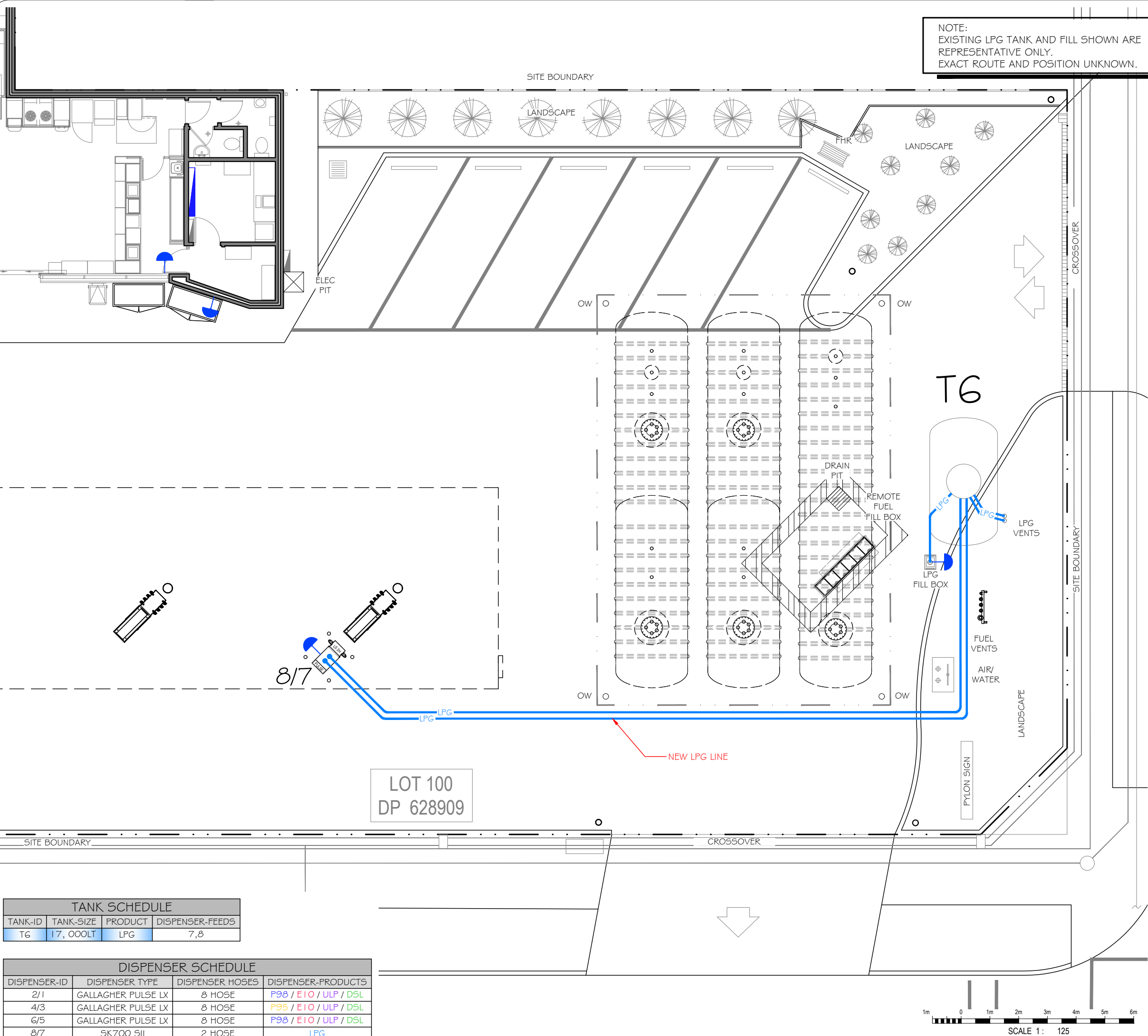


DATE CREATED		PROJECT	
16.12.19		7 ELEVEN SERVICE STATION TANK REPLACEMENT	
DRAWN BY		940 PITTWATER ROAD	
EZ		DEE WHY, NSW	
CHECKED BY		TITLE	
		FUEL SYSTEM LAYOUT	
APPROVAL FOR ISSUE		SHEET	SHEET SIZE
		A3	DRAWING No.
		HAZ-2563-T01	REVISION No.
SCALE		0	
1:125 @A3			
DATE PLOTTED			



NOTE:
EXISTING LPG TANK AND FILL SHOWN ARE REPRESENTATIVE ONLY.
EXACT ROUTE AND POSITION UNKNOWN.

- NOTES:**
1. DISPENSER AREA TO BE LEVEL AND PAVED.
 2. EMERGENCY STOP MAX 10.0m FROM TANK FILL POINT.
 3. NO UNDERGROUND DRAIN ENTRY POINT TO BE WITHIN 3m OF TANK FILL POINT.
 4. A MINIMUM OF A TAP & HOSE MUST BE AVAILABLE FOR FIRE FIGHTING PURPOSES WITH AN LPG TANK INSTALLATION UP TO 8kl.
 5. INSTALLATION TO CONFORM WITH AS/NZS 1596-2014 & AS/NZS 60079.1.0.1-2009 AS APPROPRIATE.



LOT 100
DP 628909

INFORMATION ISSUE

NO.	DATE	BY	AMENDMENT	APPROVED
1	10.02.20	EZ	55KL TANK REMOVED, NEW LPG LINE TAGGED	
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	

7-ELEVEN STORES PTY LTD
INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782
 357 FERNTREE GULLY ROAD MOUNT WAVERLEY
 VICTORIA 3149 AUSTRALIA

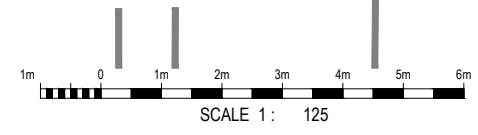


TANK SCHEDULE

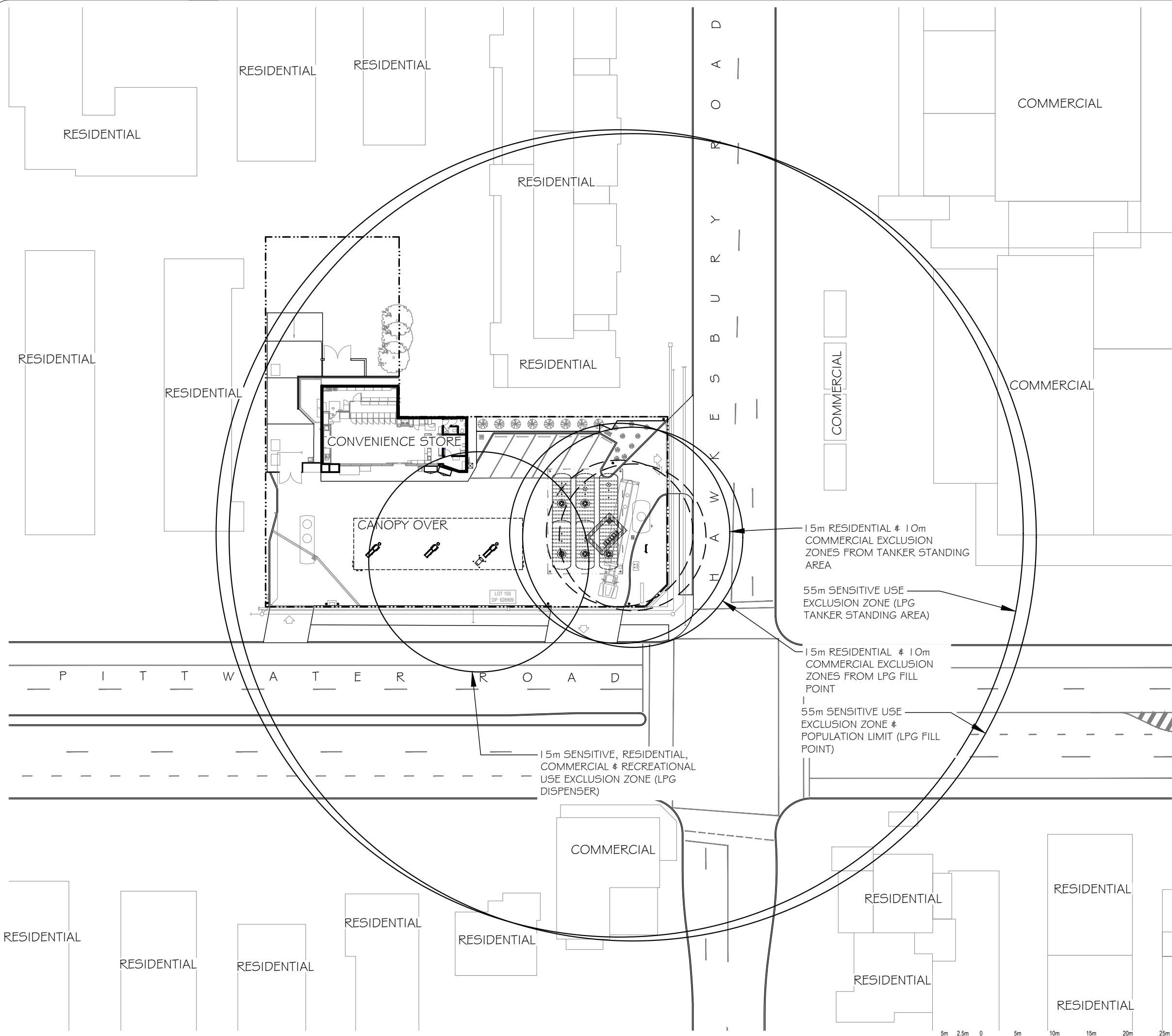
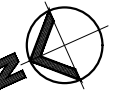
TANK-ID	TANK-SIZE	PRODUCT	DISPENSER-FEEDS
TG	17, 000LT	LPG	7,8

DISPENSER SCHEDULE

DISPENSER-ID	DISPENSER TYPE	DISPENSER HOSES	DISPENSER-PRODUCTS
2/1	GALLAGHER PULSE LX	8 HOSE	P98 / E10 / ULP / DSL
4/3	GALLAGHER PULSE LX	8 HOSE	P95 / E10 / ULP / DSL
6/5	GALLAGHER PULSE LX	8 HOSE	P98 / E10 / ULP / DSL
8/7	SK700 SII	2 HOSE	LPG



DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE LPG SYSTEM LAYOUT		
CHECKED BY	SHEET	SHEET SIZE A3	DRAWING No. HAZ-2563-G01
APPROVAL FOR ISSUE	SCALE 1:125 @A3	REVISION NO. 0	DATE PLOTTED



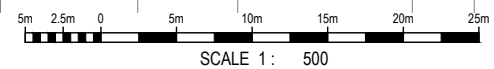
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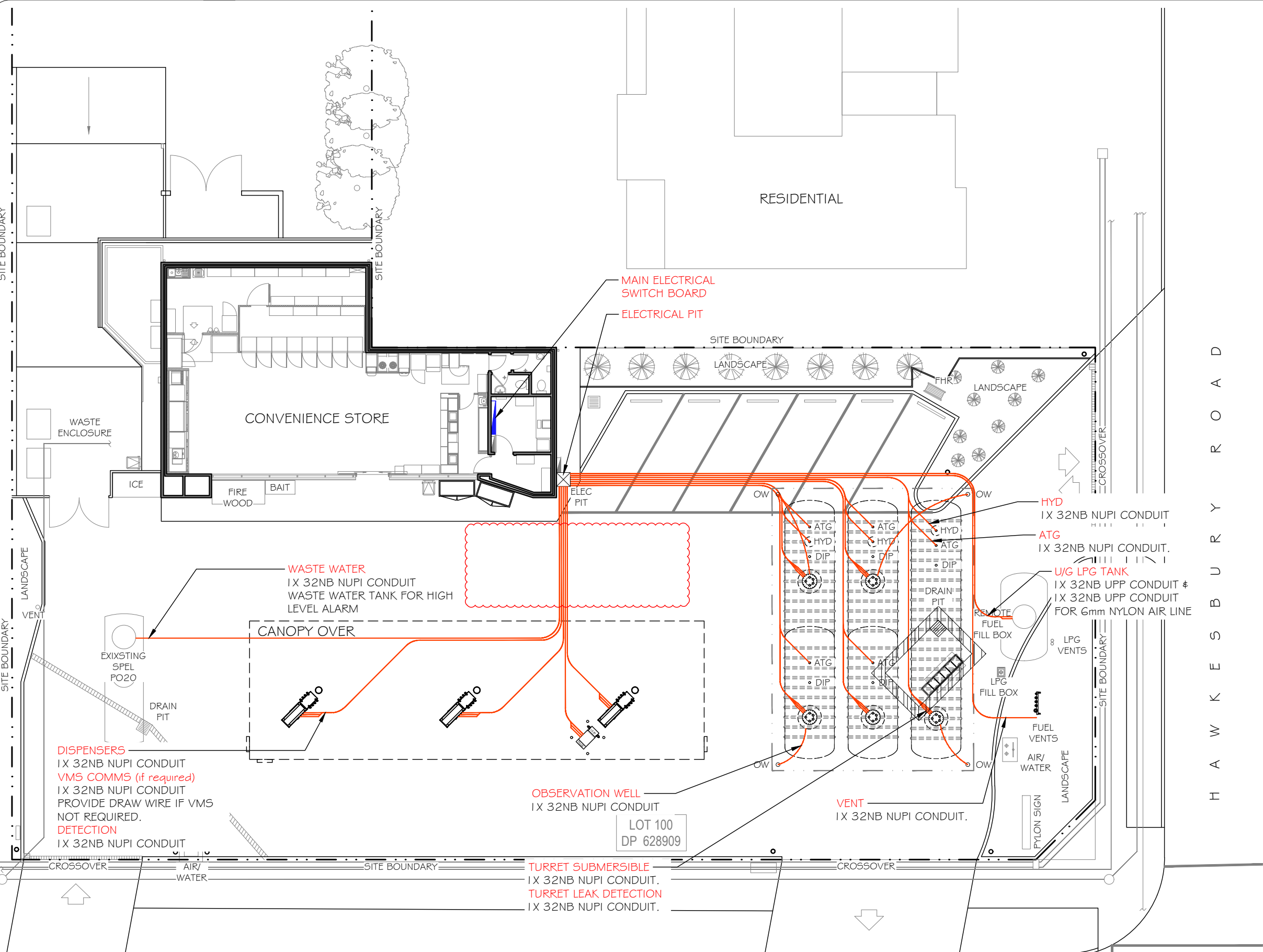
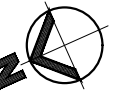
10	10.02.20	EZ	55KL TANK REMOVED	
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	
NO.	DATE	BY	AMENDMENT	APPROVED

7-ELEVEN STORES PTY LTD
INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782
 357 FERNTREE GULLY ROAD MOUNT WAVERLEY
 VICTORIA 3149 AUSTRALIA



DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTSWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE POPULATION AND EXCLUSION ZONES		
CHECKED BY	SHEET	SHEET SIZE A3	DRAWING No. HAZ-2563-G02
APPROVAL FOR ISSUE	REVISION NO. 0		
SCALE 1:500 @A3	DATE PLOTTED		





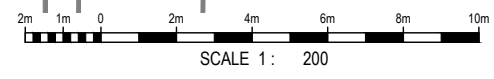
INFORMATION ISSUE

1	10.02.20	EZ	55KL TANK REMOVED, TURRET SPARE CONDUIT REMOVED	
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	
NO.	DATE	BY	AMENDMENT	APPROVED




7-ELEVEN STORES PTY LTD
INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782
 357 FERNTREE GULLY ROAD MOUNT WAVERLEY
 VICTORIA 3149 AUSTRALIA



DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE ELECTRICAL CONDUIT LAYOUT		
CHECKED BY	SHEET	SHEET SIZE A3	DRAWING No. HAZ-2563-E01
APPROVAL FOR ISSUE	DATE PLOTTED	REVISION No. 0	



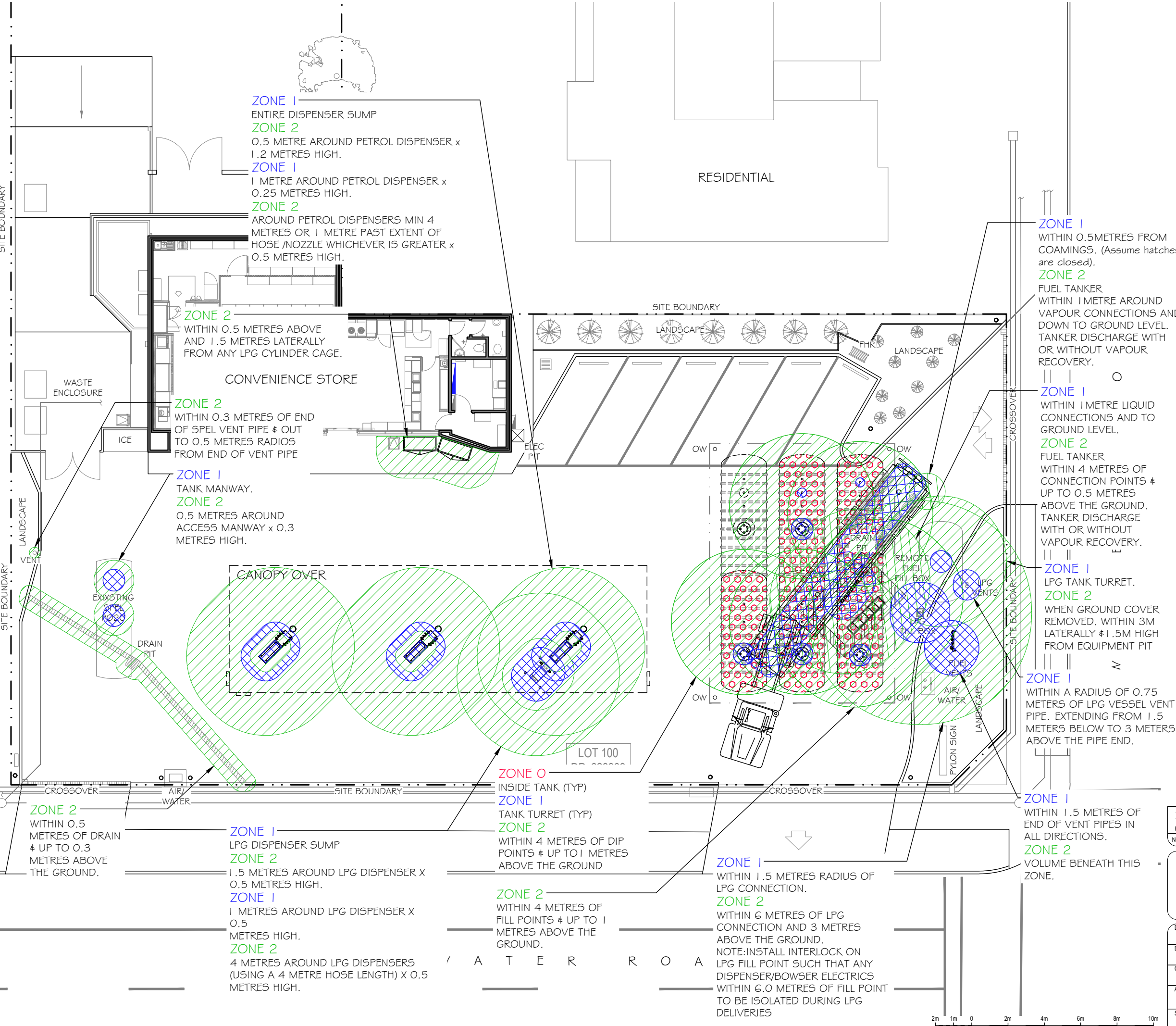
LEGEND:

-  **ZONE 0**
EPL-Ga
-  **ZONE 1**
EPL-Ga, Gb
-  **ZONE 2**
EPL-Ga, Gb, Gc



HAZARDOUS AREAS ARE AS DESCRIBED IN AS/NZS 60079.10.1 - 2009 EXPLOSIVE ATMOSPHERES - CLASSIFICATION OF AREAS - EXPLOSIVE GAS ATMOSPHERES PART ZA.4 VEHICLES & FUEL DISPENSING PART ZA.5 FLAMMABLE LIQUIDS PART ZA.6 FLAMMABLE GASES

NOTE:
 1. HAZARDOUS AREAS SHOWN ARE DEPENDANT ON ADEQUATE VENTILATION WITHIN THE ROOM OR AREA.
 2. THIS DRAWING HAS BEEN PRODUCED BY PERSONS WITH APPROPRIATE KNOWLEDGE & ACCREDITED WITH UEENEEMO52A "CLASSIFYING HAZARDOUS AREAS".
 3. ELECTRICAL EQUIPMENT WITHIN HAZARDOUS AREA ON SITE TO MEET THE FOLLOWING:
 TEMPERATURE CLASS T3
 GAS GROUP IIb



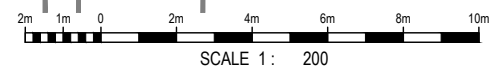
INFORMATION ISSUE

NO.	DATE	BY	AMENDMENT	APPROVED
1	10.02.20	EZ	55KL TANK REMOVED	
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	

7-ELEVEN STORES PTY LTD
 INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782
 357 FERNTREE GULLY ROAD MOUNT WAVERLEY VICTORIA 3149 AUSTRALIA



DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW
DRAWN BY EZ	TITLE HAZARDOUS AREA LAYOUT
CHECKED BY	SHEET A3
APPROVAL FOR ISSUE	DRAWING No. HAZ-2563-HZ01
SCALE 1:200 @A3	REVISION No. 0
DATE PLOTTED	



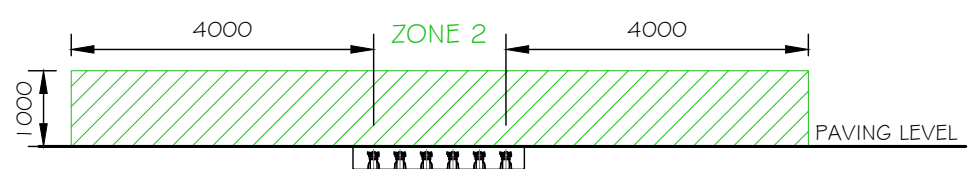


FIGURE 1
HAZARDOUS ZONE SURROUNDING
FUEL FILL POINTS
AS/NZS 60079.10.1-2009
ZA.4.4.2.5

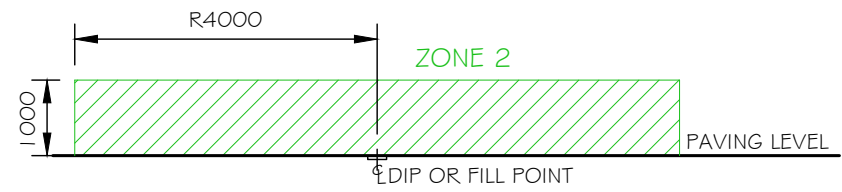


FIGURE 2
HAZARDOUS ZONE SURROUNDING
DIP POINTS
AS/NZS 60079.10.1-2009
ZA.4.4.2.5

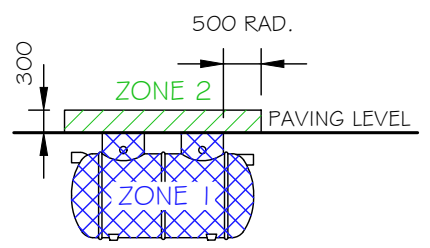


FIGURE 7
HAZARDOUS ZONE SURROUNDING
SQID
AS/NZS 60079.10.1-2009
ZA.5.2.10

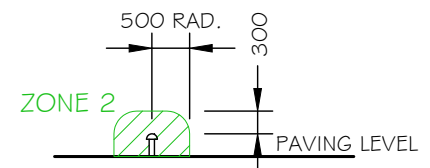


FIGURE 8
HAZARDOUS ZONE SURROUNDING
SQID VENT
AS/NZS 60079.10.1-2009
ZA.5.2.10

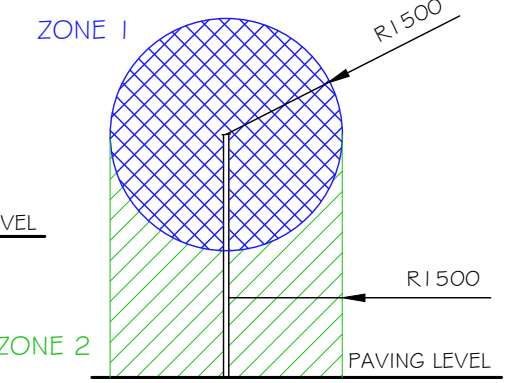


FIGURE 3
HAZARDOUS ZONE SURROUNDING
FUEL VENT PIPES
AS/NZS 60079.10.1-2009
ZA.4.4.2.5 - Fig. ZA.8

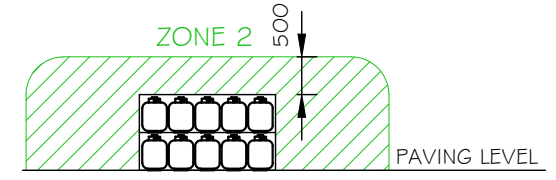


FIGURE 9
HAZARDOUS ZONE SURROUNDING
LPG EXCHANGE CYLINDER CAGE STORAGE
FRONT ELEVATION
AS/NZS 60079.10.1-2009
ZA.6.5.2.16

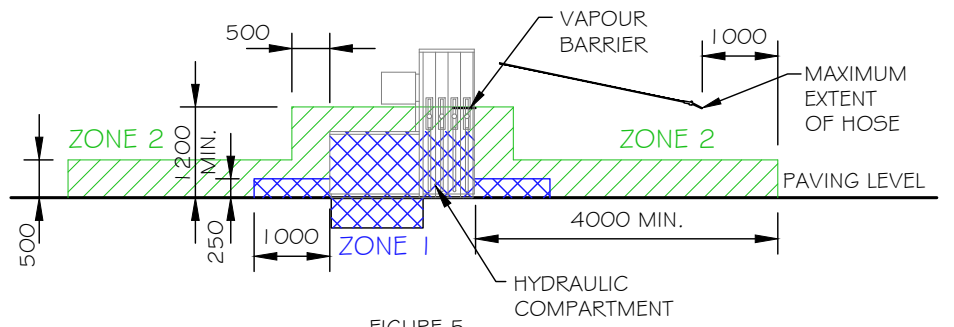


FIGURE 5
HAZARDOUS ZONE SURROUNDING
ADEQUATELY VENTILATED FUEL
DISPENSERS/PUMPS
AS/NZS 60079.10.1-2009
ZA.4.4.2.2

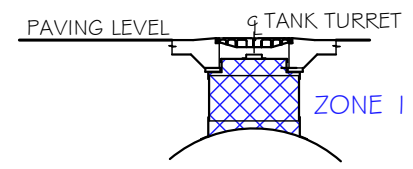


FIGURE 4
HAZARDOUS ZONE INSIDE
FUEL TANK TURRETS
AS/NZS 60079.10.1-2009
ZA.5.2.9

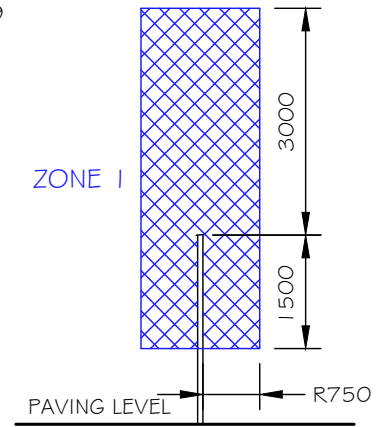


FIGURE 13
HAZARDOUS ZONE SURROUNDING
LPG VENT PIPES
AS/NZS 60079.10.1-2009
ZA.6.5.2.4

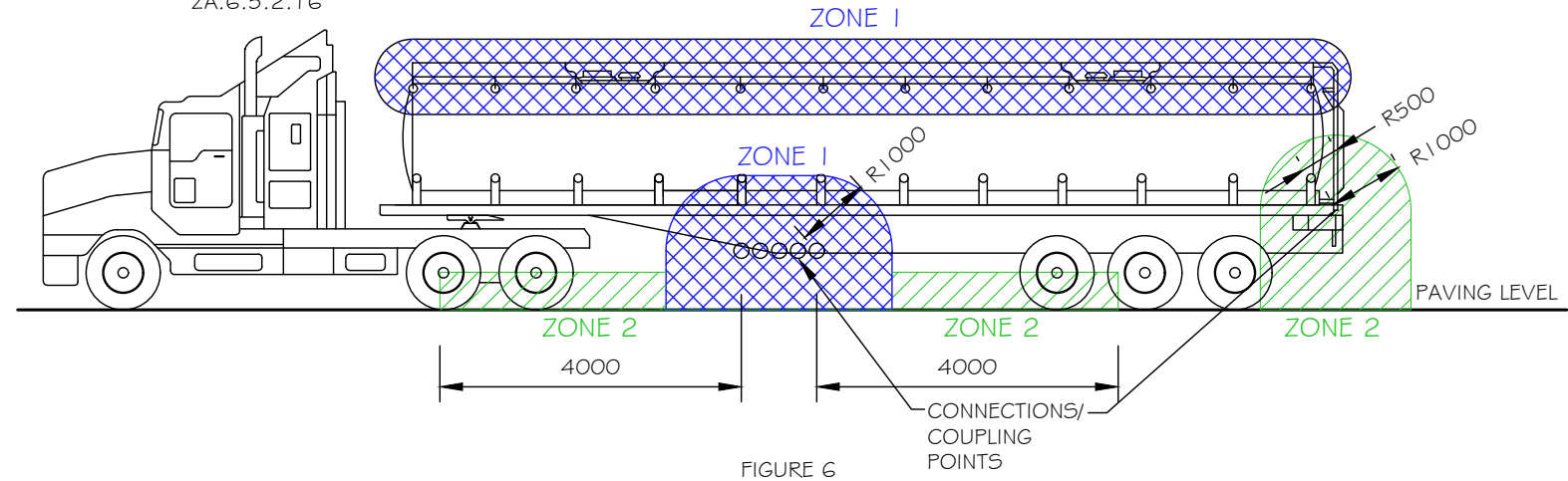


FIGURE 6
HAZARDOUS ZONE SURROUNDING
ROAD FUEL TANKER DISCHARGE WITH
OR WITHOUT VAPOUR RECOVERY
AS/NZS 60079.10.1-2009
ZA.5.2.6.3 - Fig. ZA.33

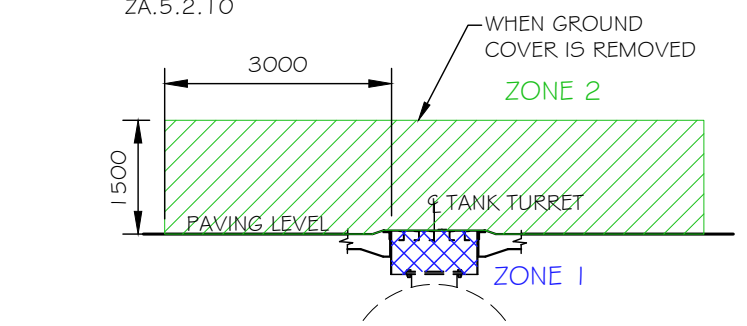


FIGURE 10
HAZARDOUS ZONE INSIDE
LPG TANK TURRETS
AS/NZS 60079.10.1-2009
ZA.6.3.2.3

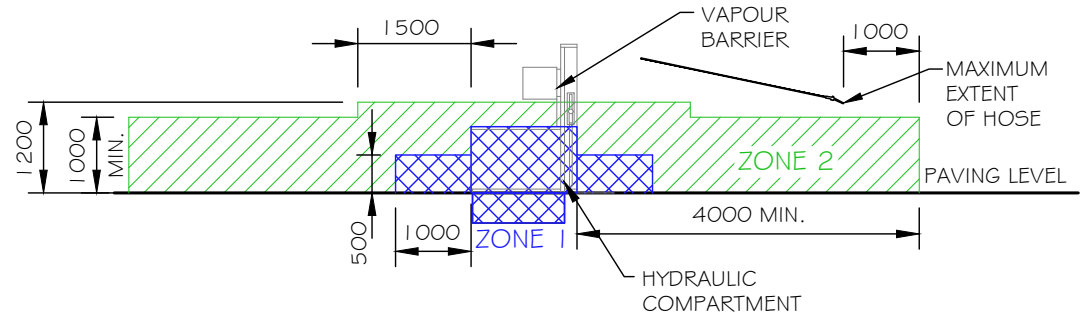


FIGURE 11
HAZARDOUS ZONE SURROUNDING
GALAGHER PULSE LPG
DISPENSER/PUMPS
AS/NZS 60079.10.1-2009
ZA.4.4.2.7
*AS PER SAFEWORK NSW AGREEMENT

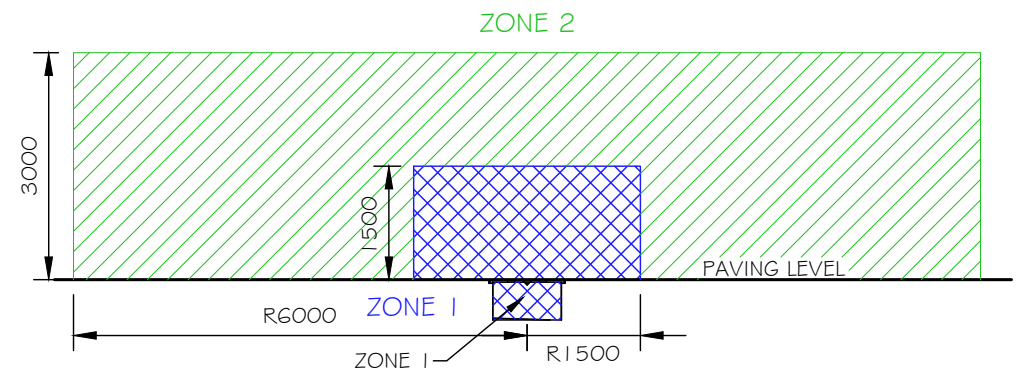
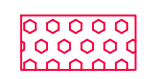
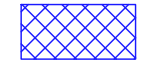



FIGURE 12
HAZARDOUS ZONE AROUND
LPG REMOTE FILL BOX
AS/NZS 60079.10.1-2009
ZA.6.5.2.2

LEGEND:

-  **ZONE 0**
EPL-Ga
-  **ZONE 1**
EPL-Ga, Gb
-  **ZONE 2**
EPL-Ga, Gb, Gc

HAZARDOUS AREAS ARE AS DESCRIBED IN AS/NZS 60079.10.1 - 2009 EXPLOSIVE ATMOSPHERES - CLASSIFICATION OF AREAS - EXPLOSIVE GAS ATMOSPHERES PART ZA.4 VEHICLES & FUEL DISPENSING PART ZA.5 FLAMMABLE LIQUIDS PART ZA.6 FLAMMABLE GASES

NOTE:
1. HAZARDOUS AREAS SHOWN ARE DEPENDANT ON ADEQUATE VENTILATION WITHIN THE ROOM OR AREA.
2. THIS DRAWING HAS BEEN PRODUCED BY PERSONS WITH APPROPRIATE KNOWLEDGE & ACCREDITED WITH UEENEEMO52A "CLASSIFYING HAZARDOUS AREAS".
3. ELECTRICAL EQUIPMENT WITHIN HAZARDOUS AREA ON SITE TO MEET THE FOLLOWING:
TEMPERATURE CLASS T3
GAS GROUP IIb

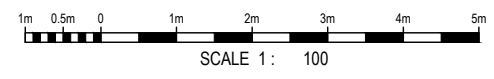
INFORMATION ISSUE

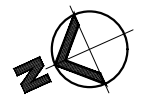
NO.	DATE	BY	AMENDMENT	APPROVED
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	

7-ELEVEN STORES PTY LTD
INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782
357 FERNTREE GULLY ROAD MOUNT WAVERLEY VICTORIA 3149 AUSTRALIA

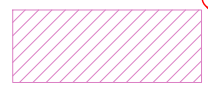


DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW
DRAWN BY EZ	TITLE HAZARDOUS AREA ELEVATIONS
CHECKED BY	SHEET A3
APPROVAL FOR ISSUE	DRAWING No. HAZ-2563-HZ02
SCALE 1:100 @A3	REVISION No. 0
DATE PLOTTED	

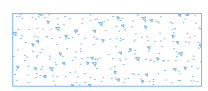




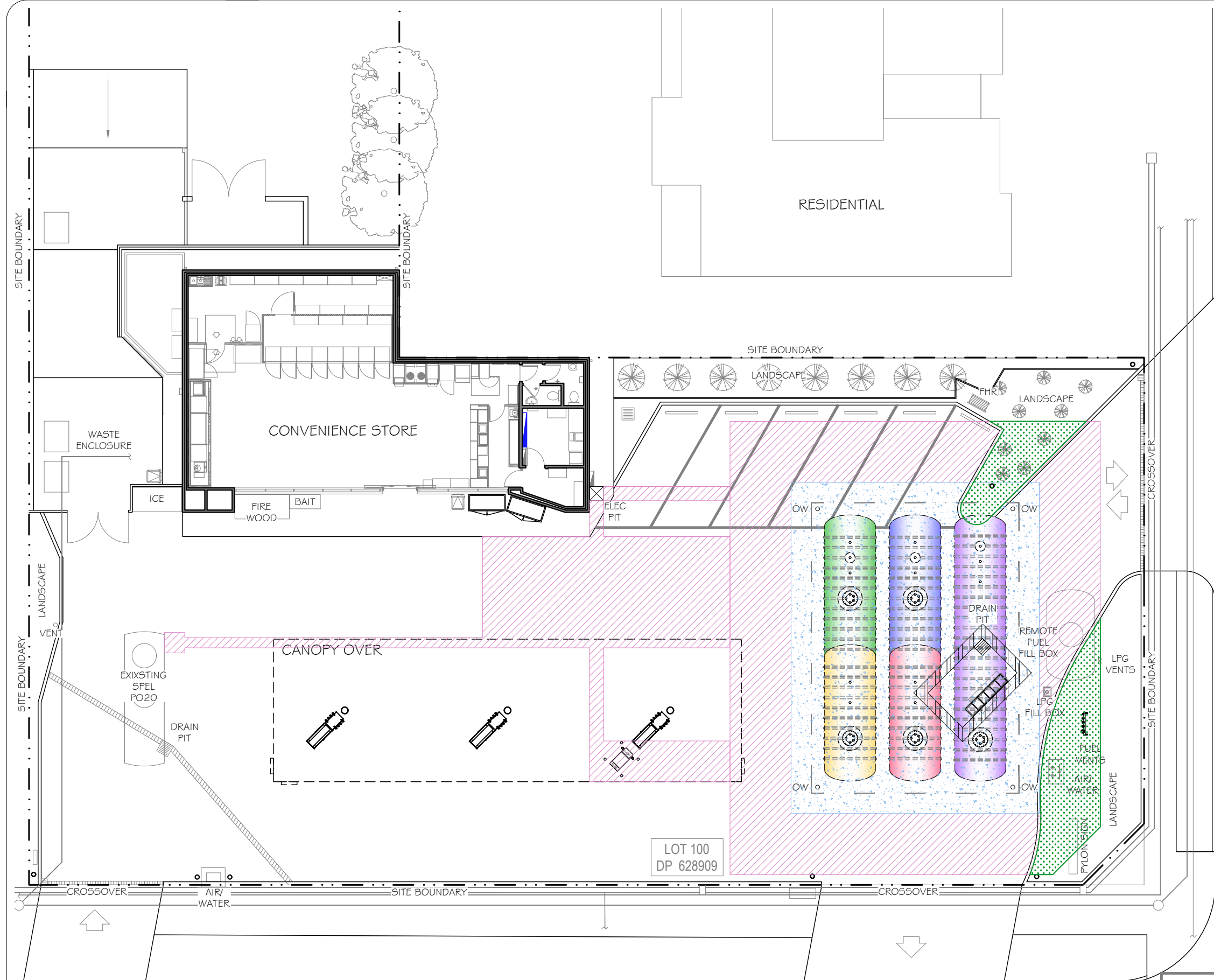
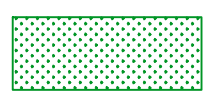
175mm THICK CONCRETE 265.4m²



200mm THICK CONCRETE 194.5m²



AREA TO BE LANDSCAPED 40m²



H A W K E S B U R Y R O A D

P I T T W A T E R R O A D

INFORMATION ISSUE

NO.	DATE	BY	AMENDMENT	APPROVED
10	10.02.20	EZ	55KL TANK REMOVED, 175mm THK CONCRETE ADJUSTED	
0	16.12.19	EZ	INITIAL HAZKEM ISSUE	

7-ELEVEN STORES PTY LTD
INCORPORATED IN VICTORIA TELEPHONE (03) 9541 0711 FAX (03) 9541 0782
 357 FERNTREE GULLY ROAD MOUNT WAVERLEY
 VICTORIA 3149 AUSTRALIA



DATE CREATED 16.12.19	PROJECT 7 ELEVEN SERVICE STATION TANK REPLACEMENT 940 PITTWATER ROAD DEE WHY, NSW		
DRAWN BY EZ	TITLE CONCRETE REPLACEMENT PLAN		
CHECKED BY			
APPROVAL FOR ISSUE			
SCALE 1:200 @A3	SHEET A3	DRAWING No. HAZ-2563-C01	REVISION No. 0
DATE PLOTTED			

