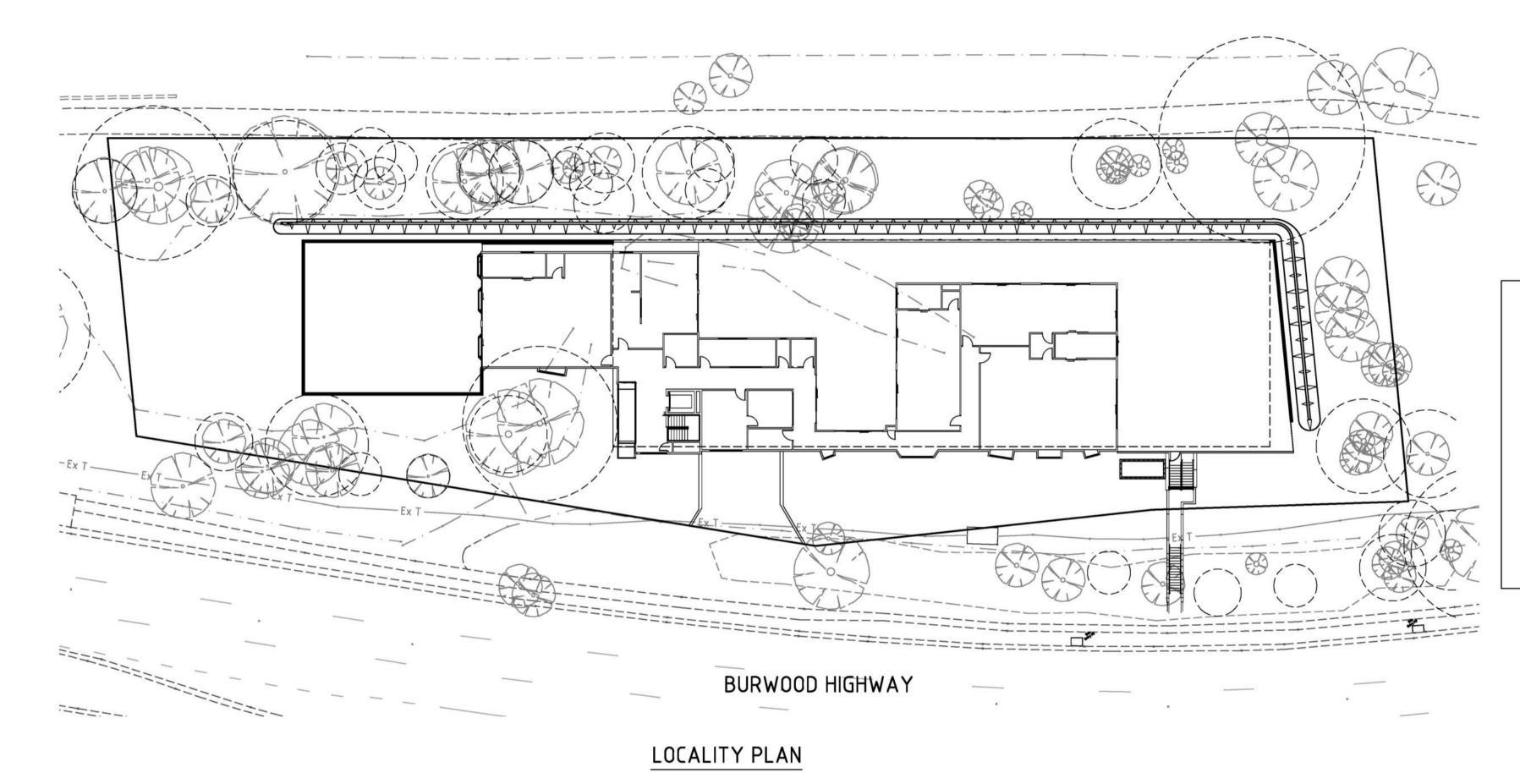
# PROPOSED CHILDCARE

# 1157-1165 BURWOOD HWY - UPPER FERNTREE GULLY LOCALITY PLAN & GENERAL NOTES - CIVIL

DRAWING	DRAWING INDEX					
NUMBER	DESCRIPTION					
C001	LOCALITY PLAN AND GENERAL NOTES					
C002	BASEMENT SITEWORKS AND DRAINAGE PLAN					
C003	OVERALL GROUND FLOOR SITE WORKS AND DRAINAGE PLAN					
C004	GROUND FLOOR SITEWORKS AND DRAINAGE PLAN. SHEET 1 OF 2					
C005	GROUND FLOOR SITEWORKS AND DRAINAGE PLAN. SHEET 2 OF 2					
C006	STORMWATER TREATMENT TRAIN CATCHMENT PLAN					
C007	CIVIL DETAILS. SHEET 1 OF 2					
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### **HEALTH AND SAFETY**

- FOR THE PURPOSE FOR WHICH IT WAS DESIGNED IN ACCORDANCE WITH SECT. 28 OF THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 (VIC).
- H2. MRM GROUP PTY LTD IS NOT RESPONSIBLE FOR THE OCCUPATIONAL HEALTH & SAFETY OF PERSONS AT THE SITE AS THOSE OBLIGATIONS RESIDE WITH THE CONTRACTORS AND/OR SUB-CONTRACTORS WHO OCCUPY OR HAVE CONTROL OF THE SITE IN ACCORDANCE WITH APPLICABLE OCCUPATIONAL HEALTH AND SAFETY LEGISLATION, CODES OR PRACTICE, GUIDANCE NOTES, AUSTRALIAN STANDARDS AND OTHER RELEVANT DOCUMENTATION.
- H3. ANY ADVICE OR GUIDANCE CONCERNING OCCUPATIONAL HEALTH AND SAFETY ISSUES ARISING AT THE SITE SHOULD BE DIRECTED TO THE HEALTH AND SAFETY EXECUTIVE OR OFFICER NOMINATED FOR THE PROJECT.



#### WARNING

NO DRAINAGE WORKS SHALL COMMENCE UNTIL 1 DRAINS, AND CONFIRMS IN WRITING WITH THE ENGINEERING SUPERVISER

#### ATTENTION TO CONTRACTOR

- THE CONTRACTOR MUST ENSURE THAT ALL PEOPLE EMPLOYED ON THE SITE WEAR APPROVED SAFETY APPAREL. THIS INCLUDES SAFETY HELMETS, SAFETY BOOTS, EAR AND EYE PROTECTION
- THE CONTRACTOR IS NOT PERMITTED TO BREAK-IN TO AN EXISTING LIVE PIPELINE, ENTER A LIVE ACCESS CHAMBER OR REMOVE THE
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EX. SERVICES

ALL EXISTING PROPERTY SERVICES' LOCATIONS AND DEPTHS ARE APPROXIMATE AND MUST BE VERIFIED ON SITE. THE CONTRACTOR SHOULD SUPPLY PRECISE LOCATIONS AND DEPTHS TO THE ENGINEER FOR REVIEW PRIOR TO ANY WORKS THAT MAY AFFECT THESE SERVICES.

### STANDARD NOTES

- 1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- 2. MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT STANDARDS AUSTRALIA CODES AND AUTHORITY.
- 3. THE CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS OF AUTHORITIES HAVING JURISDICTON OVER THE WORKS.
- 4. THESE DRAWINGS MUST NOT BE SCALED.
- 5. ALL DIMENSIONS AND REDUCED LEVELS MUST BE VERIFIED ON SITE BEFORE THE COMMENCEMENT OF ANY WORK.
- SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER.
- 7. ALL LEVELS SHOWN ARE TO THE AUSTRALIAN HEIGHT DATUM.
- 8. SERVICE INFORMATION SHOWN IS BASED ON PLANS SUPPLIED BY AUTHORITIES AND IS APPROXIMATE ONLY, PRIOR TO COMMENCEMENT OF ANY WORKS, THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND SERVICES AND COMPLY WITH ALL REQUIREMENTS OF THOSE AUTHORITIES.
- 9. EXISTING SURFACE CONTOURS, WHERE SHOWN, ARE INTERPOLATED AND MAY NOT BE ACCURATE.
- 10. UNLESS NOTED OTHERWISE, ALL VEGETATION SHALL BE STRIPPED TO A MINIMUM DEPTH OF 150mm UNDER ALL PROPOSED PAVEMENT AND BUILDING AREAS.

- 11. PRIOR TO THE PLACEMENT OF ANY PAVEMENTS, BUILDINGS OR DRAINS THE EXPOSED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD COMPACTION IN ACCORDANCE WITH TEST 'E1.1' OF A.S. 1289 FOR THE TOP 300mm. ANY SOFT SPOTS SHALL BE REMOVED AND REPLACED WITH GRANULAR FILL TO THE ENGINEERS APPROVAL AND COMPACTED IN ACCORDANCE WITH THE COMPACTION REQUIREMENTS SET OUT BELOW. ON HIGHLY REACTIVE CLAY AREAS SITE EXCAVATED MATERIAL MAY BE USED WITH THE PRIOR AUTHORISATION OF THE ENGINEER. ALL SUBGRADE PREPARATION MUST BE IN STRICT ACCORDANCE WITH THAT OUTLINED BY THE GEOTECHNICAL ENGINEER.
- 12. ALL FILL AND PAVEMENT MATERIALS SHALL BE COMPACTED IN 200mm MAXIMUM LOOSE THICKNESS LAYERS TO THE DENSITIES SPECIFIED BELOW:

LANDSCAPED AREAS 90% STD. FILL UNDER ANY FOOTINGS AND FLOOR SLABS FOR ANY STRUCTURE - FINE CRUSHED ROCK 95% MOD. - OTHER FILL 95% SMDD FILL UNDER ROAD PAVEMENTS - FINE CRUSHED ROCK 95% MOD.

ROAD PAVEMENT MATERIALS SUB BASE

OTHER FILL

95% MOD. - BASE COURSE 98% MOD.

13. GRADE EVENLY BETWEEN FINISHED SURFACE SPOT LEVELS. FINISHED SURFACE CONTOURS ARE SHOWN FOR CLARITY. WHERE FINISHED SURFACE LEVELS ARE NOT SHOWN, THE SURFACE SHALL BE GRADED SMOOTHLY SO THAT IT WILL DRAIN AND MATCH ADJACENT SURFACES OR STRUCTURES.

- 14. UNLESS NOTED OTHERWISE, ALL DOWNPIPES & GRATED INLETS SHALL BE CONNECTED TO PITS OR MAIN STORMWATER DRAINS WITH UPVC OR EARTHENWARE PIPES OF THE FOLLOWING SIZES LAID AT A MINIMUM GRADE OF 1 IN 100:
- A. 100 DIA. FOR DOMESTIC CONSTRUCTION
- B. 150 DIA. FOR COMMERCIAL/INDUSTRIAL CONSTRUCTION C. 100 DIA. FOR BASEMENT GRATED INLETS
- FOR SYPHONIC ROOF DRAINAGE SYSTEMS ALL DOWNPIPES CONNECTION DRAIN SIZES TO BE CONNECTED INTO MAIN STORMWATER DRAINS SHALL BE IN ACCORDANCE WITH HYDRAULIC ENGINEERS DRAWINGS.
- 15. UNLESS SPECIFIED ON PLANS OTHERWISE, ALL MAIN STORMWATER DRAINS SHALL BE CONSTRUCTED USING ONE OF THE FOLLOWING TYPES OF PIPES WITH RUBBER RING JOINTS: A. MIN. CLASS 2 RCP U.N.O. ON PLAN IN ACCORDANCE WITH A.S. 4058 B. SEWER CLASS U.P.V.C. SN10 IN ACCORDANCE WITH A.S. 1260 FOR PIPES 100¢
- C. SEWER CLASS U.P.V.C. SN8 IN ACCORDANCE WITH A.S. 1260 FOR PIPES 150¢ AND ABOVE NOTE: VINIDEX STORMPRO SN8 MAY BE USED IN-LIEU OF ABOVE PIPE OPTIONS IF; 1. 300mm CLEAR COVER OVER TO TOP OF PIPE TO FINISHED SURFACE LEVEL IS ACHIEVED IN NON-TRAFFICABLE AREAS
- 2. 500mm CLEAR COVER TO TOP OF PIPE TO FINISHED SURFACE LEVEL IS ACHIEVED IN TRAFFICABLE AREAS ANY OTHER TYPES OF PIPE MUST BE REFERRED TO THE ENGINEER FOR APPROVAL PRIOR
- 16. IF STORMWATER PIPE IS NOTED 'CHARGED' ON THE DESIGN PLANS, THE FOLLOWING SHALL BE CONSTRUCTED
- A. CHARGED PIPE MATERIAL TO BE HIGH DENSITY POLYETHYLENE 'HDPE' (SDR26). B. ALL JOINTS TO BE ELECTRO-FUSION WELDED.

- 17. GENERALLY FOR TRENCHING WORKS THE CONTRACTOR MUST:
- A. COMPLY WITH THE GENERAL PROVISIONS OF SECTION 21 OF THE 'OCCUPATIONAL HEALTH AND SAFETY ACT' B. COMPLY WITH WITH THE 'OCCUPATIONAL HEALTH AND SAFETY CODE OF

PRACTISE FOR SAFETY PRECAUTIONS IN TRENCHING OPERATIONS'

- 18. BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY IN ACCORDANCE WITH WORKSAFE REGULATIONS -'SAFETY PRECAUTIONS IN TRENCHING OPERATIONS' CODE OF PRACTICE No. 1988. A FOREMAN QUALIFIED AS MINES MANAGER MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATIONS.
- 19. ALL DIMENSIONS GIVEN ARE TO FACE OF KERB, CENTRE OF PIPE OR EXTERIOR FACE OF BUILDING UNLESS NOTED OTHERWISE.
- 20. ANY STRUCTURES, PAVEMENTS OR SURFACES DAMAGED, DIRTIED OR MADE UNSERVICABLE DUE TO CONSTRUCTION WORK SHALL BE REINSTATED TO THE SATISFACTION OF THE ENGINEER.
- 21. REFER TO STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATION DETAILS.
- 22. ANY FILL REQUIRED SHALL BE APPROVED BY THE ENGINEER

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- 23. CONTRACTOR IS TO ENSURE THAT ALL EXCAVATIONS ARE MAINTAINED IN A DRY CONDITION WITH NO WATER ALLOWED TO REMAIN IN THE EXCAVATIONS.
- 24. EXISTING SERVICES COVERS AFFECTED BY NEW WORKS TO BE ADJUSTED OR MODIFIED TO SUIT NEW SURFACE LEVELS.

# IMPORTANT NOTES

- PRIOR TO THE COMMENCEMENT OF BUILDING WORKS ON SITE, THE CONTRACTOR MUST VERIFY THE FEASIBILITY OF THE OUTFALL STORMWATER DRAINAGE SYSTEM/S TO THE LEGAL POINT OF DISCHARGE AS DOCUMENTED BY: VERIFICATION OF THE INVERT LEVEL OF THE DRAIN FORMING THE LEGAL POINT OF DISCHARGE VERIFICATION THAT THE ROUTE FROM THE SITE TO THE LEGAL POINT/S OF DISCHARGE IS CLEAR OF ALL OTHER AUTHORITY SERVICES IF EITHER OF THE ABOVE CANNOT BE VERIFIED. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE PROJECT MANAGER OR CONSULTING CIVIL ENGINEER.
- 2. PRIOR TO THE COMMENCEMENT OF ANY WORKS, THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND SERVICES, NOTIFY THE AUTHORITIES RESPONSIBLE FOR THOSE SERVICES AND COMPLY WITH ALL OF THE REQUIREMENTS OF THOSE AUTHORITIES.



100% SMDD

	Revision Sche	dule	
Rev.	Description	Date	APP'D
P1	PRELIMINARY ISSUE	12.08.2024	MG

Project PROPOSED CHILDCARE 1157-1165 BURWOOD HWY UPPER FERNTREE GULLY

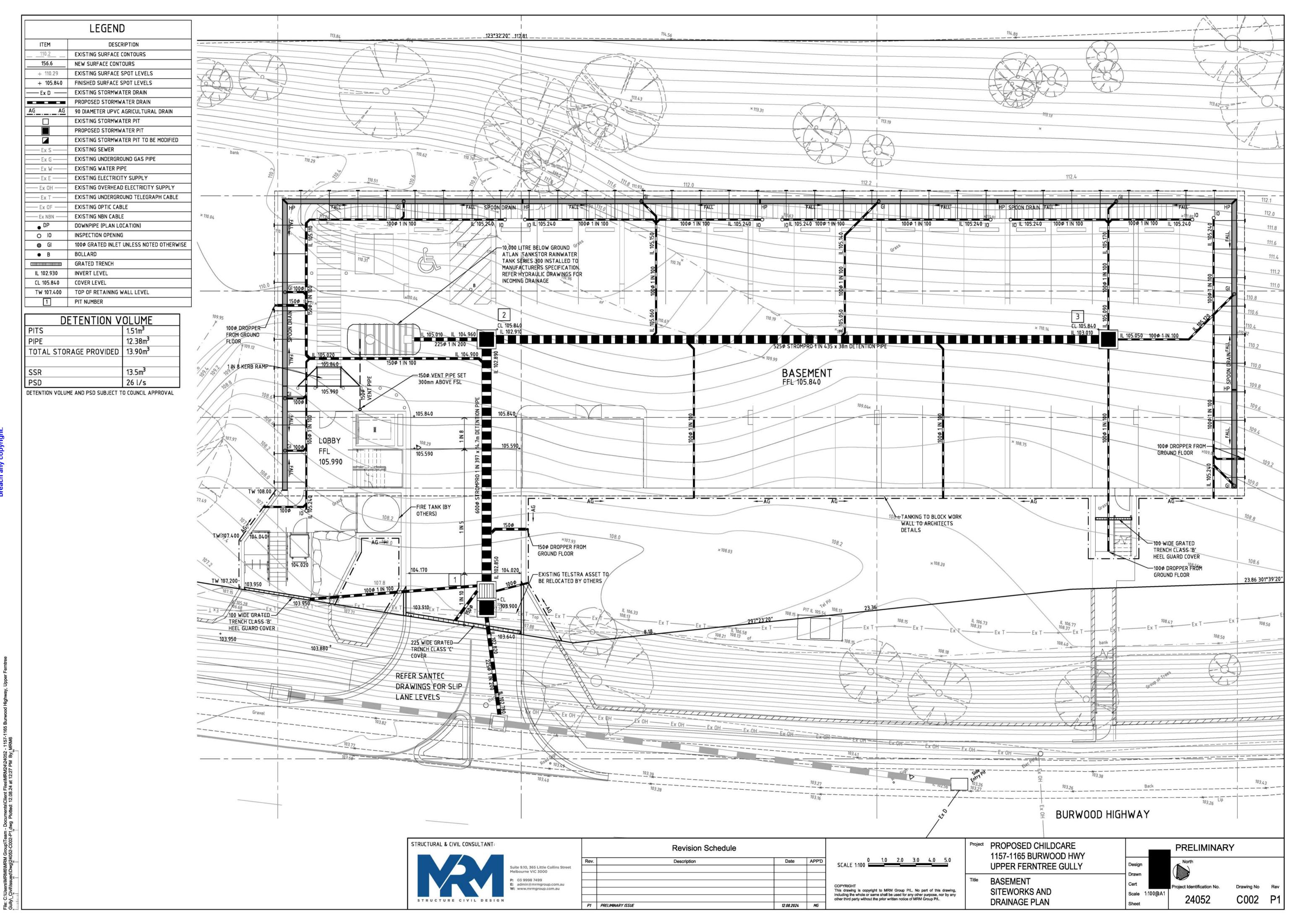
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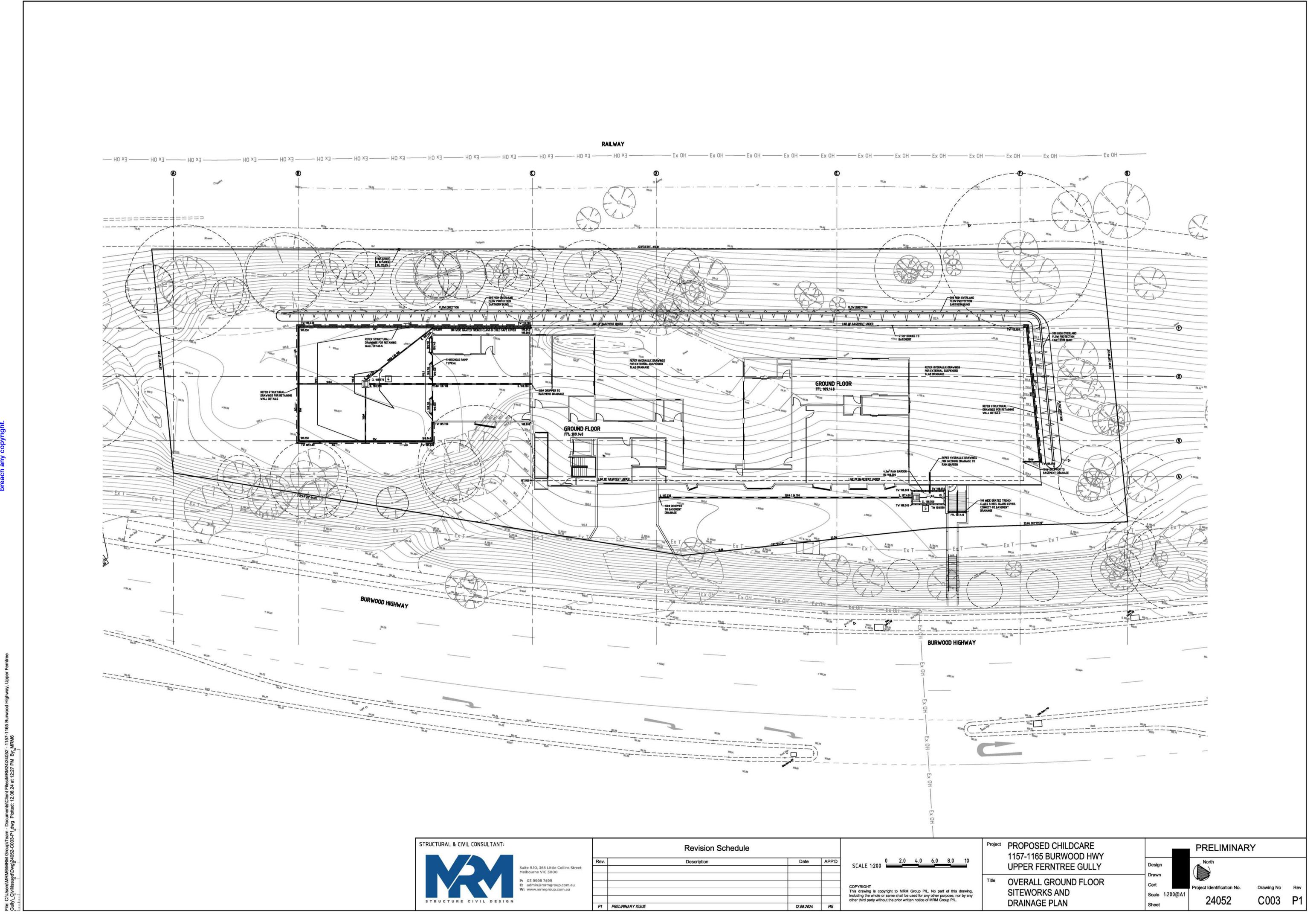
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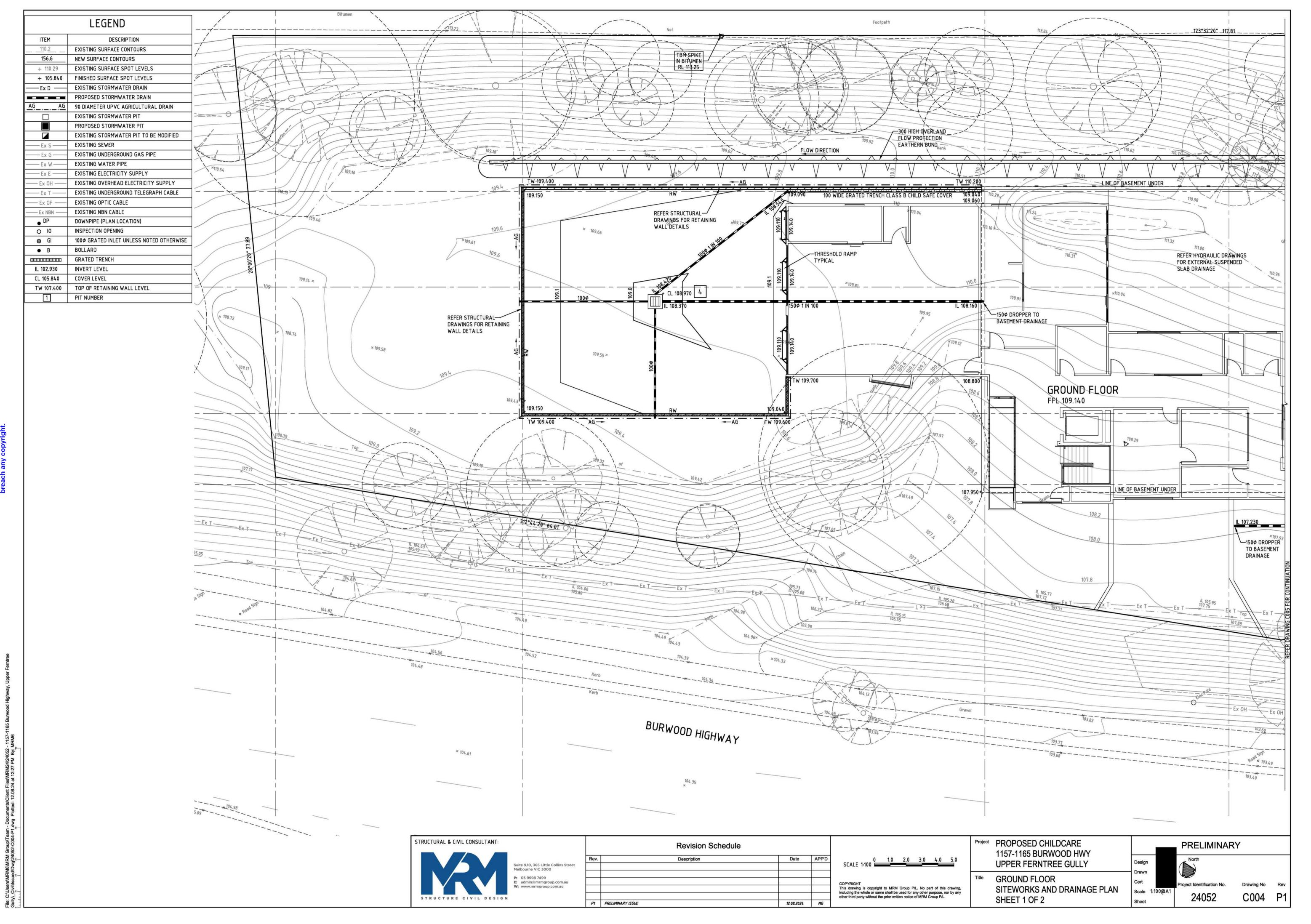
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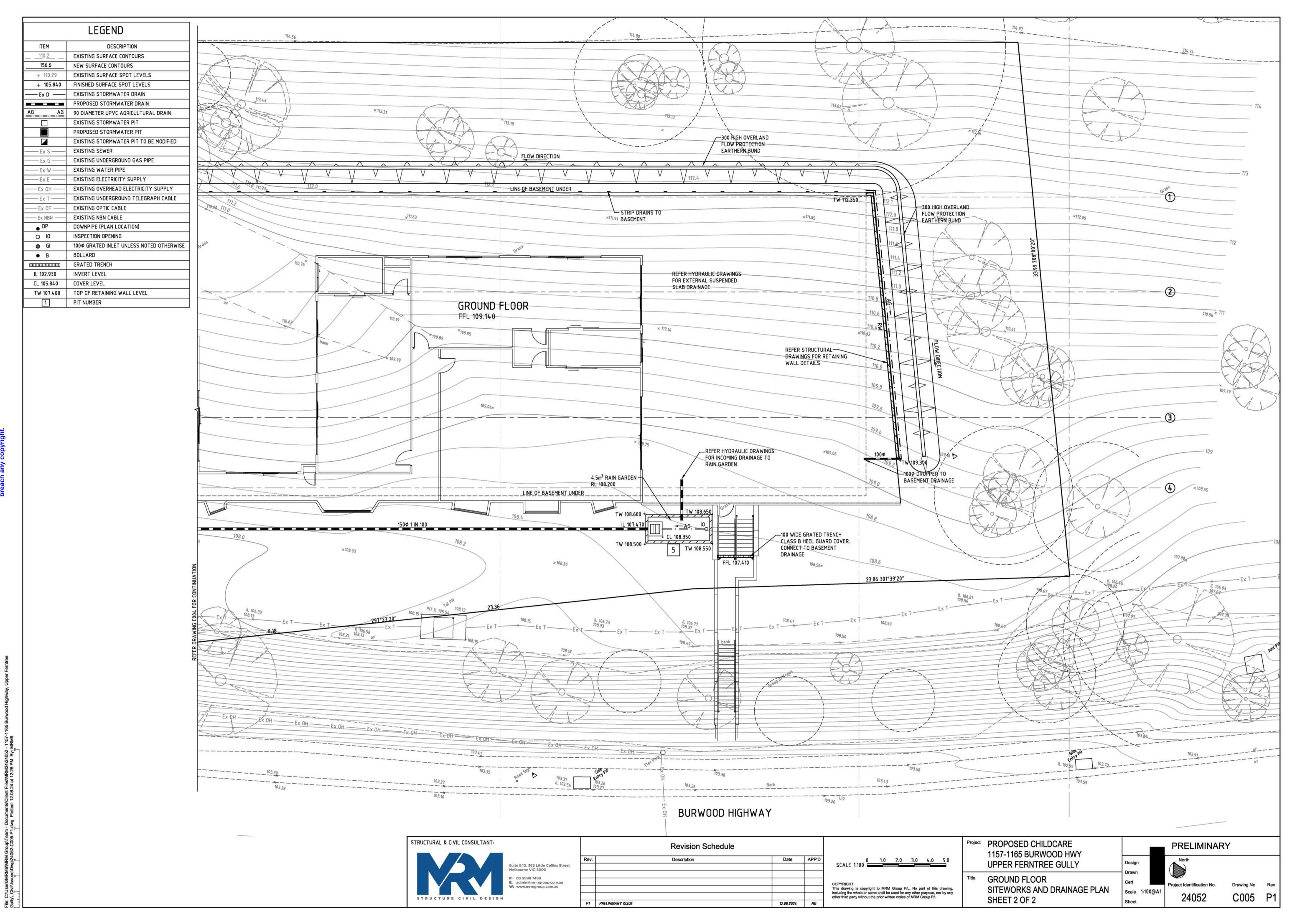
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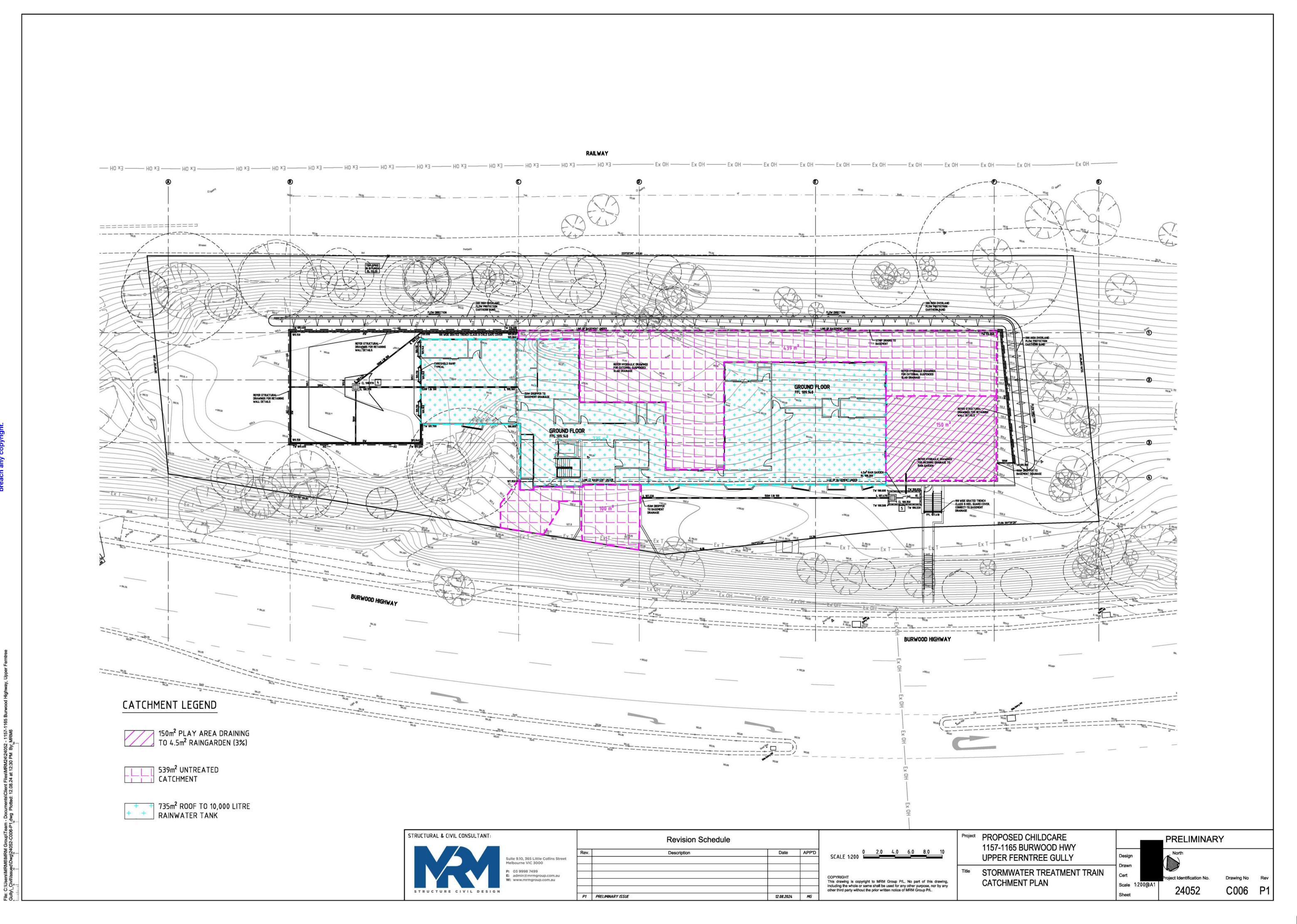
C001 P1



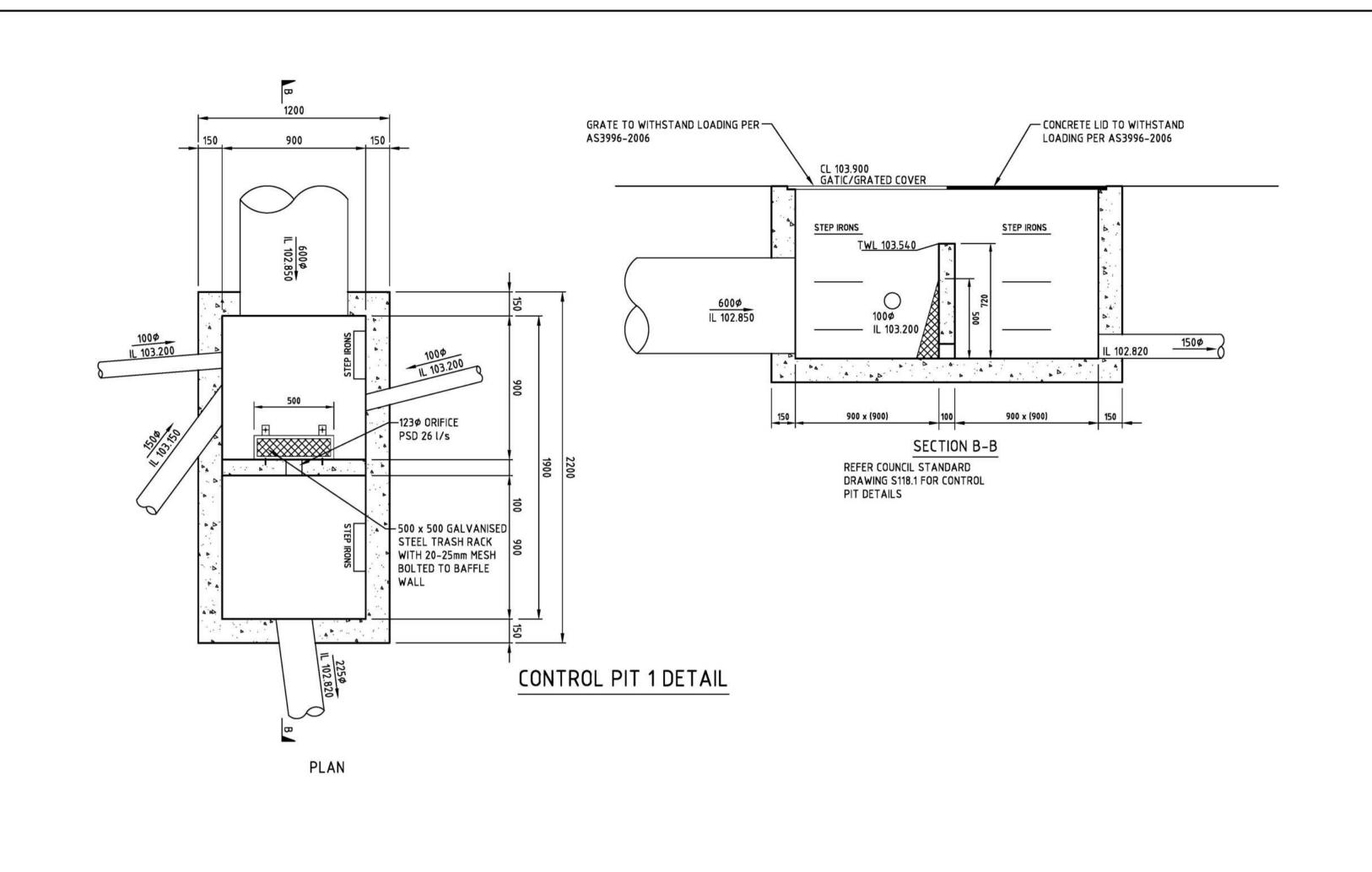


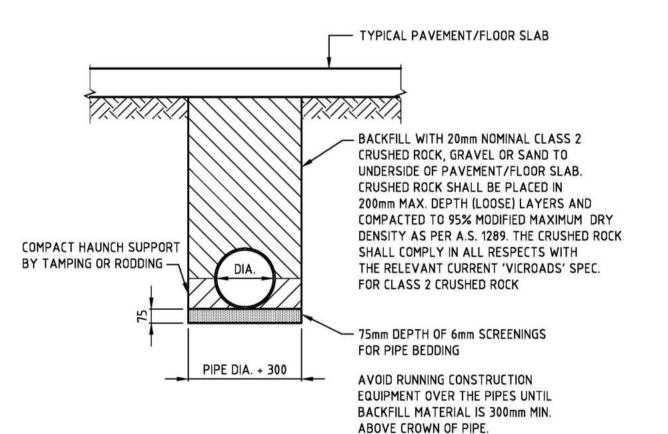












## PIPE LAYING DETAILS (FLEXIBLE PIPES)

UNDER ALL PAVEMENTS/FLOORS

N.T.S.

EXCAVATED MATERIAL COMPACTED
IN 150mm LAYERS TO THE DENSITY
OF THE ADJACENT SOIL

BEST OF EXCAVATED MATERIAL
COMPACTED IN 150mm LAYERS TO
A DENSITY OF 90% A.S. MAXIMUM
MODIFIED DRY DENSITY FOR THE
MATERIAL

75mm DEPTH OF 6mm SCREENINGS
FOR PIPE BEDDING

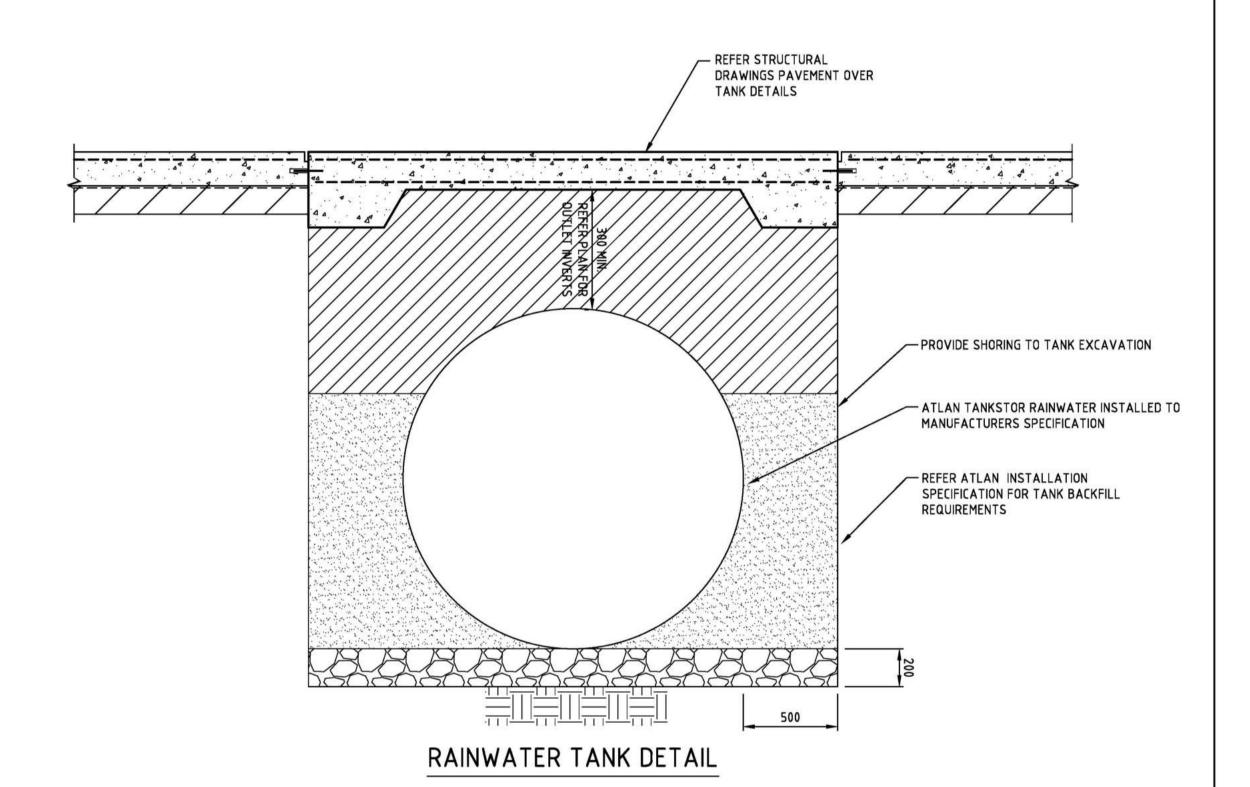
--- NATURAL SURFACE

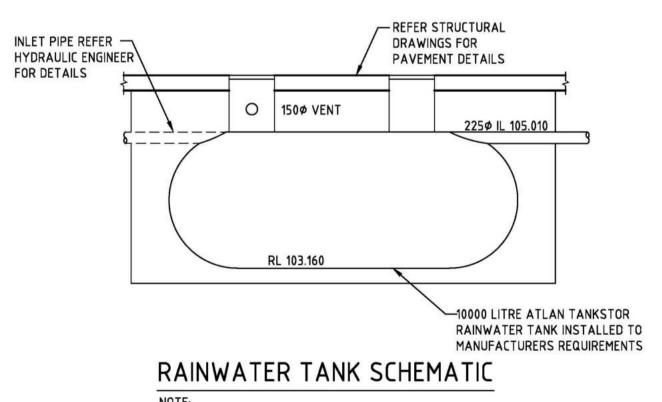
## PIPE LAYING DETAILS (ALL PIPES)

UNDER LANDSCAPED AREAS

N.T.S.

	STORMWATER PIT SCHEDULE								
N <sub>0</sub>	TYPE	INTERNAL	R.L TOP	DEPTH	COVER TYPE		REMARKS		
	1112	DIM'NS WxL	IV.E TO	DEI III	TYPE	CLASS	KETIKINO		
1	CONTROL PIT	1900×900	103.900	1.080	GRATE/GATIC	С	REFER CONTROL PIT DETAIL		
2	JUNCTION	900x900	105.840	2.950	GATIC	С	COVER TO MATCH BASEMENT FLOOR LEVEL		
3	JUNCTION	900x900	105.840	2.830	GATIC	С	COVER TO MATCH BASEMENT FLOOR LEVEL		
4	GRATE	450x450	108.970	0.600	GRATE (CHILD SAFE)	В	COVER TO MATCH LANDSCAPING LEVEL		
5	GRATE	600x600	108.350	0.880	GRATE	В	REFER RAINGARDEN DETAILS		



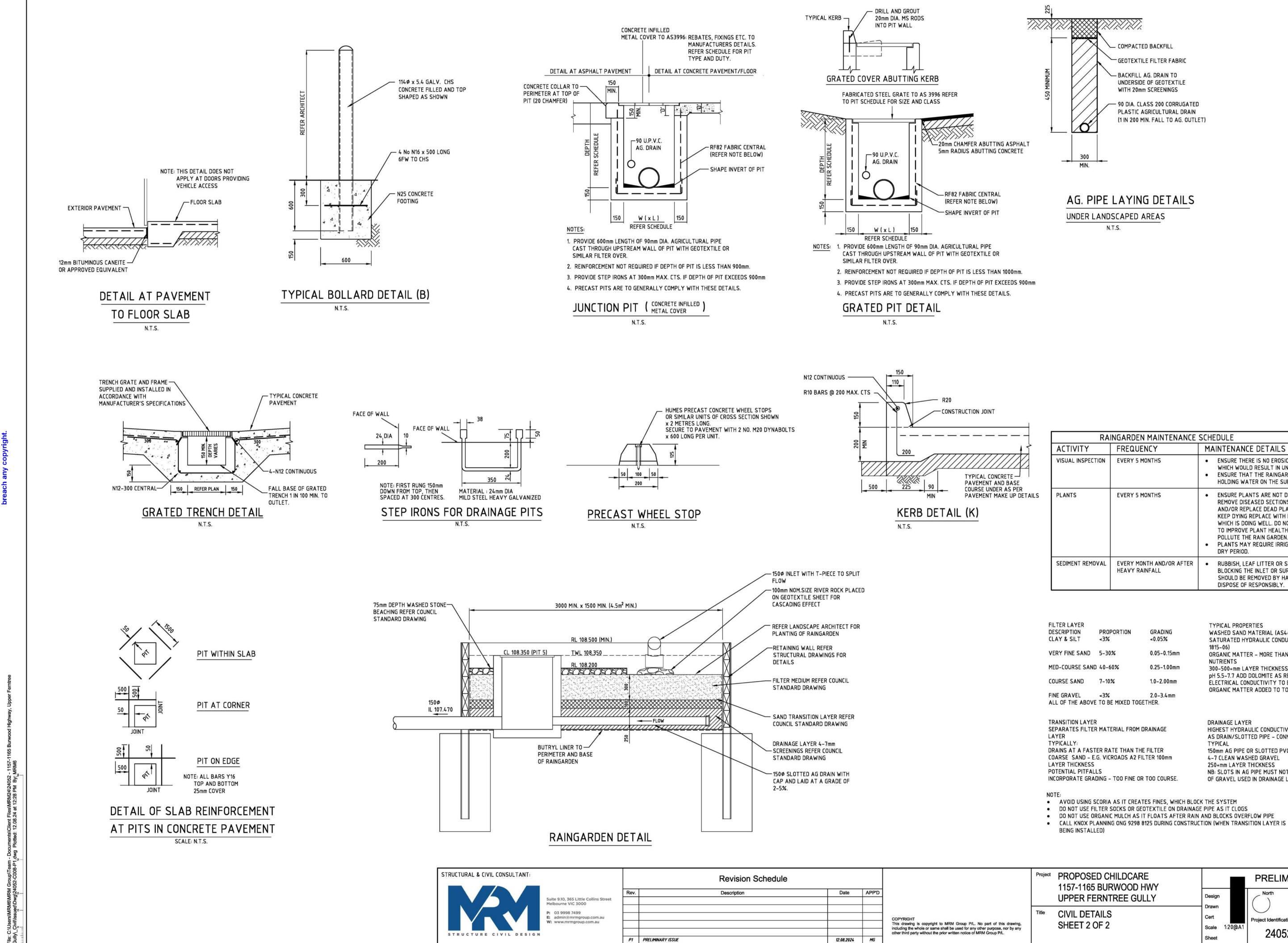


REFER HYDRAULIC ENGINEERS FOR TANK PUMPS AND PLUMBING TO ALL TOILETS, LAUNDRY AND IRRIGATION FOR REUSE.



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P1	PRELIMINARY ISSUE	12.08.2024	M

	10.							
		Project	PROPOSED CHILDCARE 1157-1165 BURWOOD HWY	PRELIMINARY				
			UPPER FERNTREE GULLY			North		
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MAINTENANCE DETAILS

 ENSURE THERE IS NO EROSION AND SCOUR, WHICH WOULD RESULT IN UNEVEN FLOW.

ENSURE THAT THE RAINGARDEN IS NOT

ENSURE PLANTS ARE NOT DYING, AND IF SO

REMOVE DISEASED SECTIONS, IRRIGATE

PLANTS MAY REQUIRE IRRIGATION DURING

BLOCKING THE INLET OR SURFACE AREA

SHOULD BE REMOVED BY HAND TOOLS AND

SATURATED HYDRAULIC CONDUCTIVITY 150-250mm/h (ATSM

ORGANIC MATTER - MORE THAN 5% (w/w) MAY LEACH

300-500+mm LAYER THICKNESS - LIGHTLY COMPACTED

ORGANIC MATTER ADDED TO TOP 100mm BELOW MULCH

pH 5.5-7.7 ADD DOLOMITE AS REQUIRED ELECTRICAL CONDUCTIVITY TO BE <1.2ds/m

AS DRAIN/SLOTTED PIPE - CONNECT TO DRAIN

NB: SLOTS IN AG PIPE MUST NOT BE WIDER THAN SIZE

**PRELIMINARY** 

C008 P1

AND/OR REPLACE DEAD PLANTS. IF PLANTS

KEEP DYING REPLACE WITH DIFFERENT TYPE WHICH IS DOING WELL. DO NOT USE FERTILIZER TO IMPROVE PLANT HEALTH AS THIS WILL

HOLDING WATER ON THE SURFACE.

POLLUTE THE RAIN GARDEN.

RUBBISH, LEAF LITTER OR SEDIMENT

DISPOSE OF RESPONSIBLY.

WASHED SAND MATERIAL (AS4419)

HIGHEST HYDRAULIC CONDUCTIVITY

150mm AG PIPE OR SLOTTED PVC

OF GRAVEL USED IN DRAINAGE LAYER

4-7 CLEAN WASHED GRAVEL

250+mm LAYER THICKNESS

DRY PERIOD.

TYPICAL PROPERTIES

DRAINAGE LAYER

Scale 1:20@A1