

PROPOSED ALTERATIONS & ADDITIONS

144 CHESTERHILL ROAD, BASS HILL NSW

STORMWATER DRAINAGE PLAN

COMPLYING DEVELOPMENT CERTIFICATE

AUTHORITY STORMWATER NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL SET OUT AND LEVEL PRIOR TO COMMENCEMENT OF WORKS AND TO REPORT ANY DISCREPANCIES FOUND TO THE SUPERINTENDENT.
2. ALL SET OUT DIMENSIONS ARE TO FACE OF KERB, CENTRELINE OF FENCE/BOLARD/PIPE.
3. SMOOTH ALL TRANSITION BETWEEN NEW AND EXISTING WORK IN BOTH LEVEL AND ALIGNMENT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SAFETY FENCES, WARNING SIGNS, TRAFFIC DIVERSIONS AND THE LIKE DURING CONSTRUCTION. ALL WORKS TO COMPLY WITH OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS AND OTHER RELEVANT AUTHORITY SAFETY REQUIREMENTS.
5. NO TREES SHALL BE REMOVED, CUTBACK OR RELOCATED WITHOUT THE WRITTEN INSTRUCTION FROM THE SUPERINTENDENT.
6. THE CONTRACTOR SHALL PROVIDE CERTIFICATION AND COMPACTIONS AND PAVEMENT THICKNESS FROM A NATA REGISTERED TESTING AUTHORITY MINIMUM THREE TESTS PER LAYER AS FOLLOWS

PIPE BACKFILL

DENSITY INDEX 75

SELECT FILL

95% STANDARD

SELECT FILL (LESS THAN 300mm FOLLOW BASE COURSE)

98% MODIFIED

BASE COURSE

100% MODIFIED
7. THE AUSPEC SPECIFICATION SHALL BE THE SPECIFICATION FOR THESE WORKS.

DRAINAGE NOTES:

- ALL PIPES TO BE LAID ON 75mm SAND BED WITH THE BARRELS FULLY SUPPORTED.
- 100mm AND 150mm DIAMETER PIPES TO BE LAID ON MINIMUM 1% GRADE.
- MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR LOADING TO BE 300mm
- ALL DRAINAGE PIPES LAID UNDER PAVEMENT SHALL BE REINFORCED CONCRETE WITH RUBBER RING JOINTS.
- BACKFILL TRENCHES WITH COMPACTED SAND OR APPROVED AGGREGATE MATERIAL.
- ALL PITS TO HAVE 600 x 600mm INTERNAL DIMENSIONS (U.N.O).
- SILT ARRESTORS TO HAVE 900 x 900mm INTERNAL DIMENSIONS.
- HEAVY DUTY GRATES AND COVERS ARE TO BE PROVIDED IN TRAFFICABLE AREAS.
- PIT GRATE TO BE TYPE WELDLOK OR APPROVED EQUIVALENT.
- ALL PITS SHALL BE PROVIDED WITH A LOCKING LIP.
- ALL PITS SHALL BE MAINTAINED REGULARLY.
- TOP OF BENCHING SHALL BE TO THE HALF OF THE OUTLET PIPE DIAMETER.
- MAXIMUM FRONT ENTRY PIPE:-
STRAIGHT ENTRY - ϕ 750
SKEW ENTRY - ϕ 525
- ϕ 100 SUBSOIL DRAINAGE PIPE 3000mm LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO INLET PIPES.
- COMPRESSIVE STRENGTH $f'c$ FOR CAST IN SITU CONCRETE TO BE A MINIMUM OF 32 MPa AT 28 DAYS.
- PROVIDE CLEANING EYES TO ALL DOWNPIPES NOT DIRECTLY CONNECTED TO PITS.
- ISOLATED JOINTS TO BE PROVIDED TO ISOLATE CONCRETE PAVEMENTS FROM PITS.
- ALL TRENCH GRATES PROVIDED SHALL HAVE MINIMUM CLEAR WIDTH OF 200mm.
- STORMWATER DRAINAGE CONNECTIONS TO THE MAIN SYSTEM SHALL BE TO THE REQUIREMENTS AND THE SATISFACTION OF LOCAL COUNCIL.



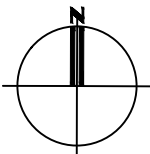
LOCALITY PLAN (COURTESY OF SIX MAPS)

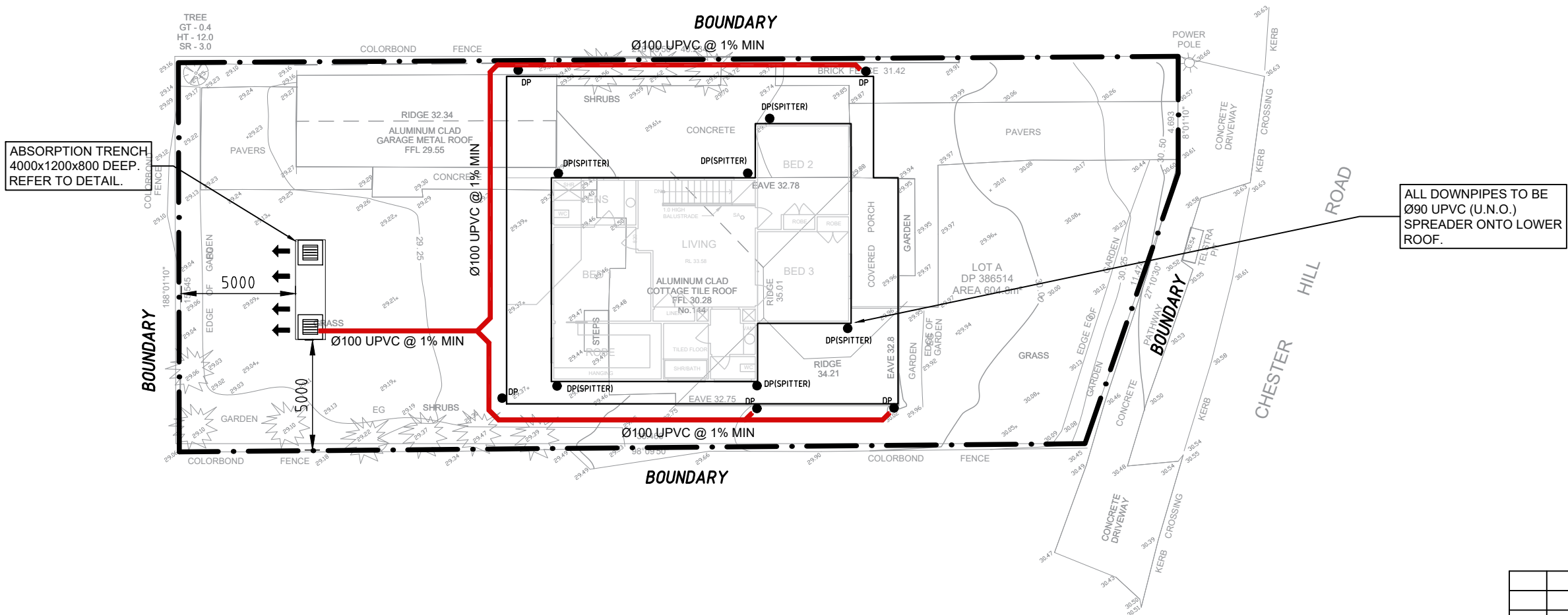
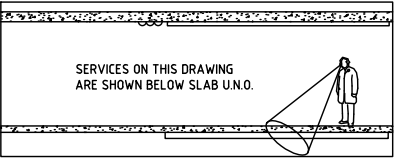
DRAWING REGISTER		
NO.	TITLE	REV.
SW.01	COVER SHEET	A
SW.02	STORMWATER DRAINAGE PLAN - SITE PLAN	A
SW.03	ABSORPTION TRENCH DETAILS	A

A	FOR CDC	SL	3103.25
ISSUE	DESCRIPTION	APPROVED	DATE

CLIENT
C.CHURTON & A.EWAIS

<div><div>KYSU</div><div>Structural & Civil Engineers</div></div>			
48 HIGH STREET, BANKSTOWN NSW 2200 tel: 0432 294 694 email: sluu@kysuengineers.com			
PROJECT 144 CHESTERHILL ROAD BASS HILL NSW			
TITLE COVER SHEET			
SCALES as noted @ A3			DATE MAR.2025
DRAWN SL	DESIGN SL		APPROVED SL
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ISSUE A	PROJECT No. 3055	DRAWING No. SW.01	





STORMWATER DRAINAGE PLAN - SITE PLAN
SCALE 1:200

THE SITE IS LOCATED IN CANTERBURY BANKSTOWN COUNCIL.
TOTAL SITE AREA = 604.8m²
TOTAL IMPERVIOUS AREA POST-DEVELOPEMENT = 262.8m²(43%)
TOTAL IMPERVIOUS AREA IS LESS THAN 75% OF TOTAL SITE AREA. HENCE, NO ON-SITE DETENTION IS REQUIRED.

NOTE:
EXISTING SERVICES SHOWN ON PLAN ARE INDICATIVE ONLY.
CONTRACTOR TO DETERMINE EXACT SIZE, LOCATION AND DEPTH BEFORE COMMENCING ANY WORKS.

ALL EXISTING DRAINAGE IS TO BE INSPECTED BY A REGISTERED PLUMBER AND CERTIFY THAT IT IS IN GOOD WORKING CONDITION. OTHERWISE, ALLOW TO RECTIFY AND/OR REPLACE AS NECESSARY.

RAINWATER OUTLETS NOT SHOWN ON PLAN SHALL BE PROVIDED TO ALL BALCONIES AND OUTDOOR AREAS AS REQUIRED AND CONNECTED TO THE STORMWATER DRAINAGE SYSTEM.

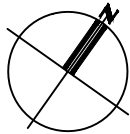
LEGEND

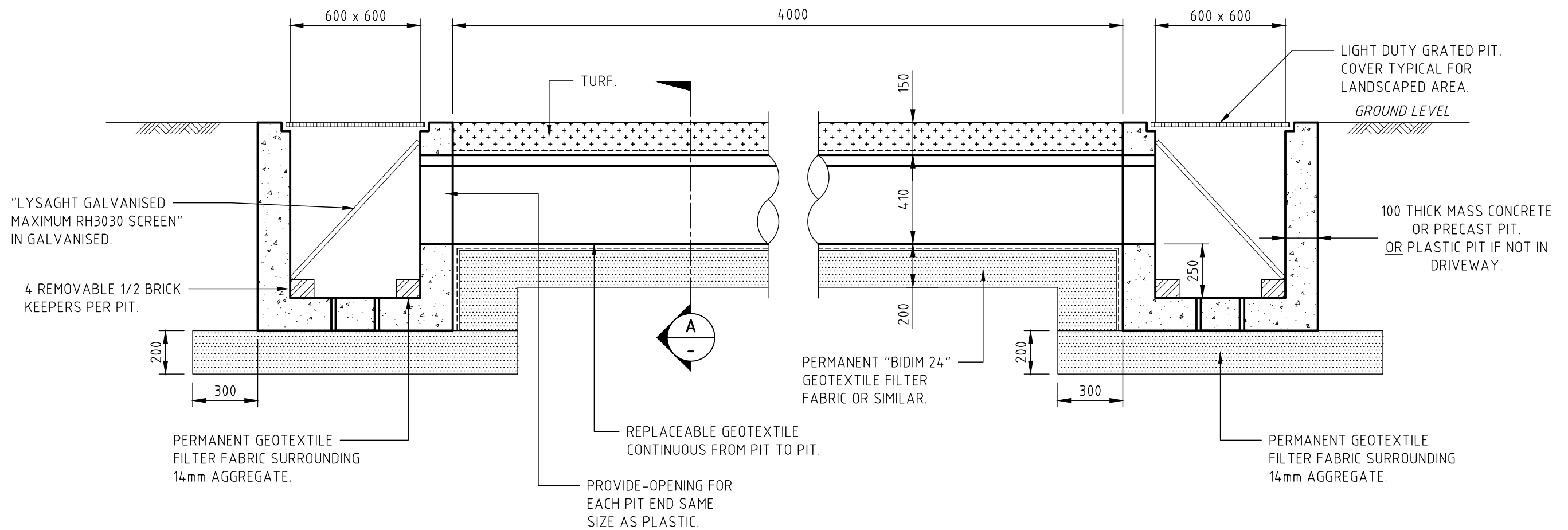
- S — S — AUTHORITY SEWER LINE
- X — X — X — X — AUTHORITY UNDERGROUND ELECTRICAL LINE
- T — T — T — T — TELSTRA LINE
- □ — □ — □ — □ — NBN LINE
- W — W — AUTHORITY WATER LINE
- G — G — AUTHORITY GAS LINE
- SSD — SSD — SUBSOIL DRAINAGE LINE
- — — STORMWATER LINE
- e — e — EXISTING STORMWATER LINE
- — — GRATED SURFACE INLET PIT
- — — TELEPHONE PIT
- — — DOWNPIPE
- — — CLEANING EYE
- — — KERB INLET PIT

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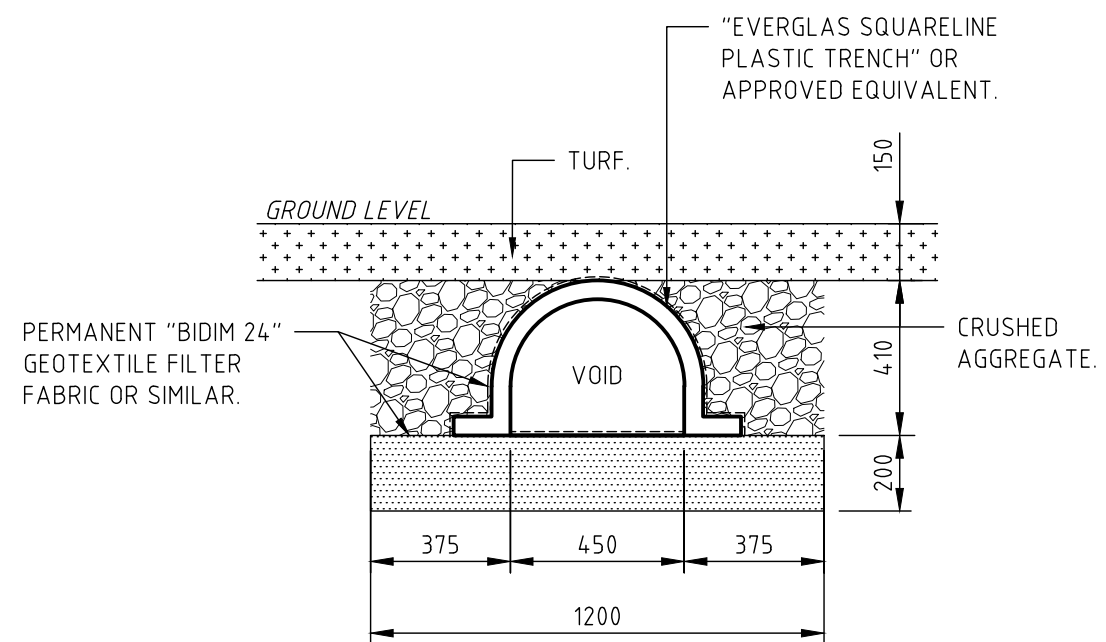
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PROJECT 144 CHESTERHILL ROAD BASS HILL NSW			
TITLE STORMWATER DRAINAGE PLAN -SITE PLAN			
SCALES as noted @ A3		DATE MAR.2025	
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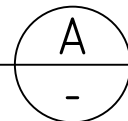
ABSORPTION PIT

SCALE 1:20



SECTION

SCALE 1:20



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ISSUE	DESCRIPTION	APPROVED	DATE

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PROJECT

144 CHESTERHILL ROAD
BASS HILL NSW

TITLE

ABSOPRTION TRENCH DETAIL

SCALES as noted @ A3 DATE MAR.2025

DRAWN SL DESIGN SL APPROVED SL

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