

TTW Comments 15/06/2026
Options for response to BCC Memo - 1318774 relating to Stormwater.

CONVERT EXISTING 1050 DIA PIPE TO 1500 X 600 BOX CULVERT WITH NEW JUNCTION CHAMBERS TO SUIT (SEE INSET BELOW)

RE-ROUTE EXISTING STORMWATER TO NEW JUNCTION CHAMBER

EXISTING WATER SERVICE CONNECTION TO BE DECOMMISSIONED
EXISTING SANITARY SEWER SERVICE CONNECTION TO BE DECOMMISSIONED

Legend:

Existing Water Service	— WAT —
Proposed Water Service	— WAT —
Existing Stormwater	— SW —
Proposed Stormwater	— SW —
Existing Sewer Service	— SEW —
Proposed Sewer Service	— SEW —

PROPOSED STORMWATER CONNECTION FROM SITE. TERTIARY TREATMENT SYSTEM TO BE INTERNAL TO THE SITE.

EXISTING SEWERMAIN 225mm EARTHENWARE

PROPOSED SANITARY SEWER CONNECTION (RE-USE EXISTING 100MM DIA - POINT OF CONNECTION TO BE COORDINATED AT DETAILED DESIGN)

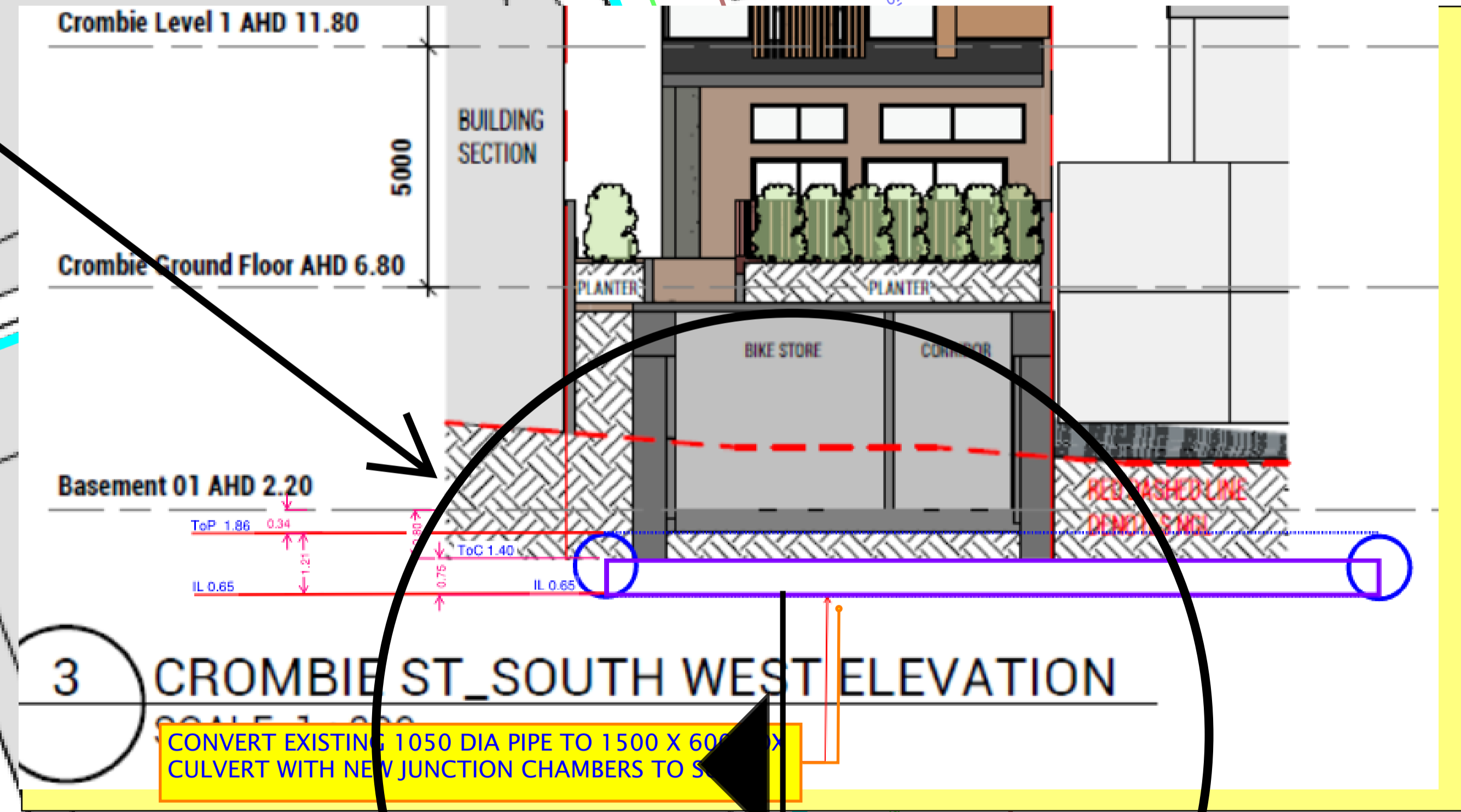
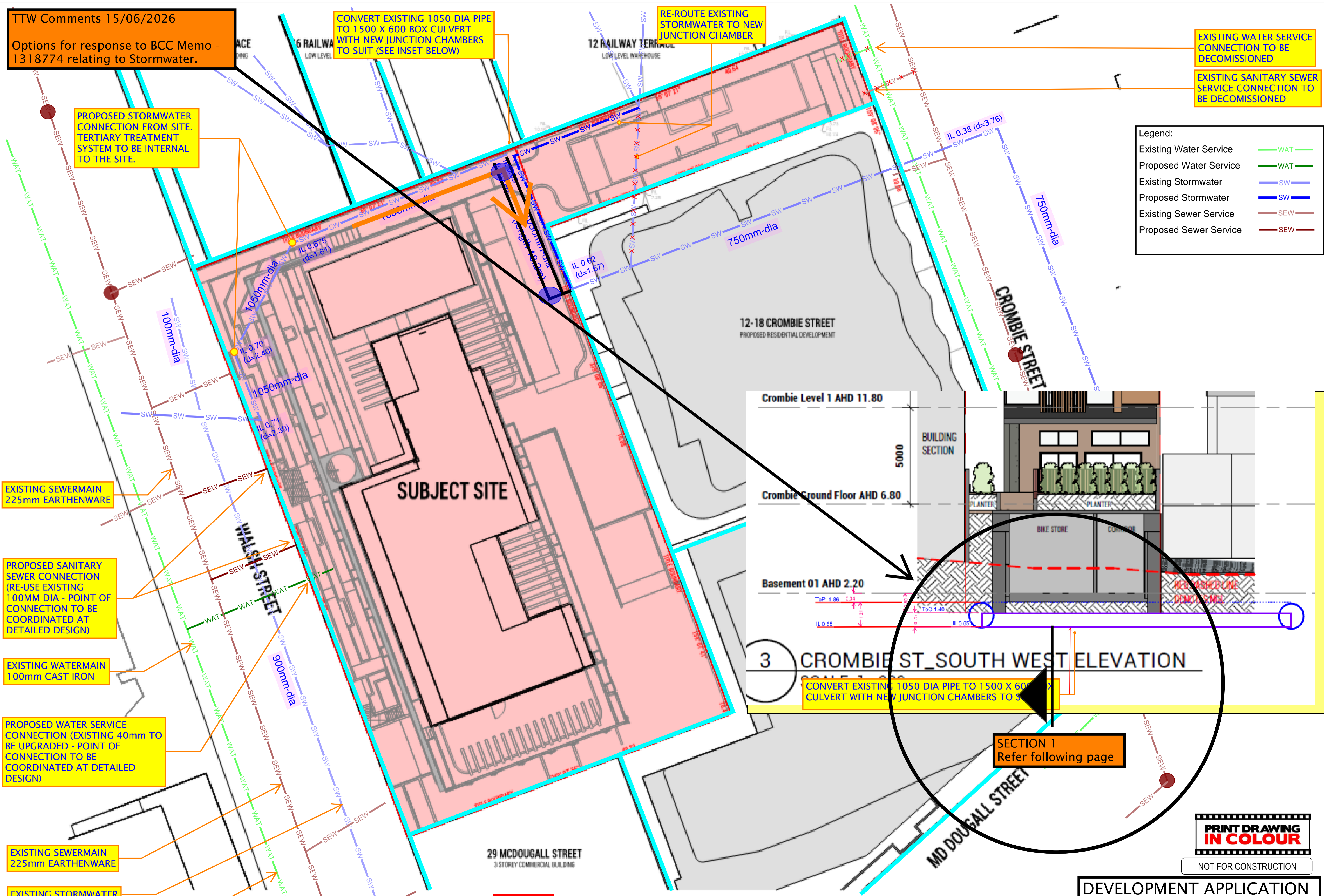
EXISTING WATERMAIN 100mm CAST IRON

PROPOSED WATER SERVICE CONNECTION (EXISTING 40mm TO BE UPGRADED - POINT OF CONNECTION TO BE COORDINATED AT DETAILED DESIGN)

EXISTING SEWERMAIN 225mm EARTHENWARE

EXISTING STORMWATER

EXISTING WATERMAIN 100mm CAST IRON



SECTION 1 Refer following page

PRINT DRAWING IN COLOUR

NOT FOR CONSTRUCTION

DEVELOPMENT APPLICATION

BCC DS RECEIVED 15/06/2026 APPLICATION REF A007016928

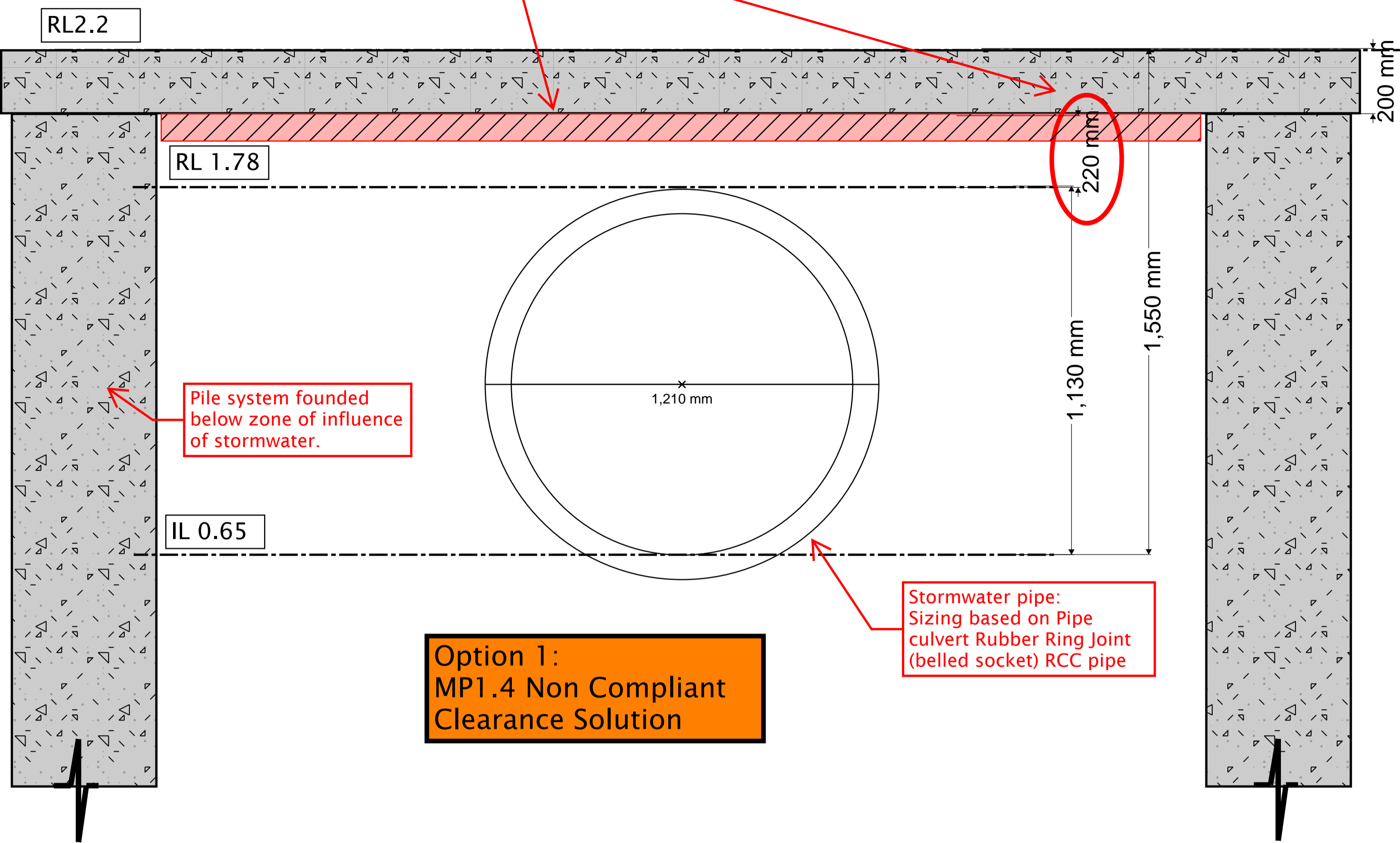
CLIENT GH PROPERTIES		PROJECT 20 WALSH STREET, MILTON	
ARCHITECT PARALLEL WORKSHOP ARCHITECTS		DRAWN GC	
DATE 22/03/26		DESIGNED -	
REVISION AMENDMENT		CHECKED -	
DATE		APPROVED -	
DATE		SCALE NTS	
DATE		DRAWING NUMBER 260313-TTW-CIV-SK-001	
DATE		REVISION B	



PROJECT: 20 WALSH STREET, MILTON
DRAWN: GC
DESIGNED: -
CHECKED: -
DATE: 16/04/26
APPROVED: -
SCALE: NTS
DRAWING NUMBER: 260313-TTW-CIV-SK-001
REVISION: B

SECTION 1 - Options

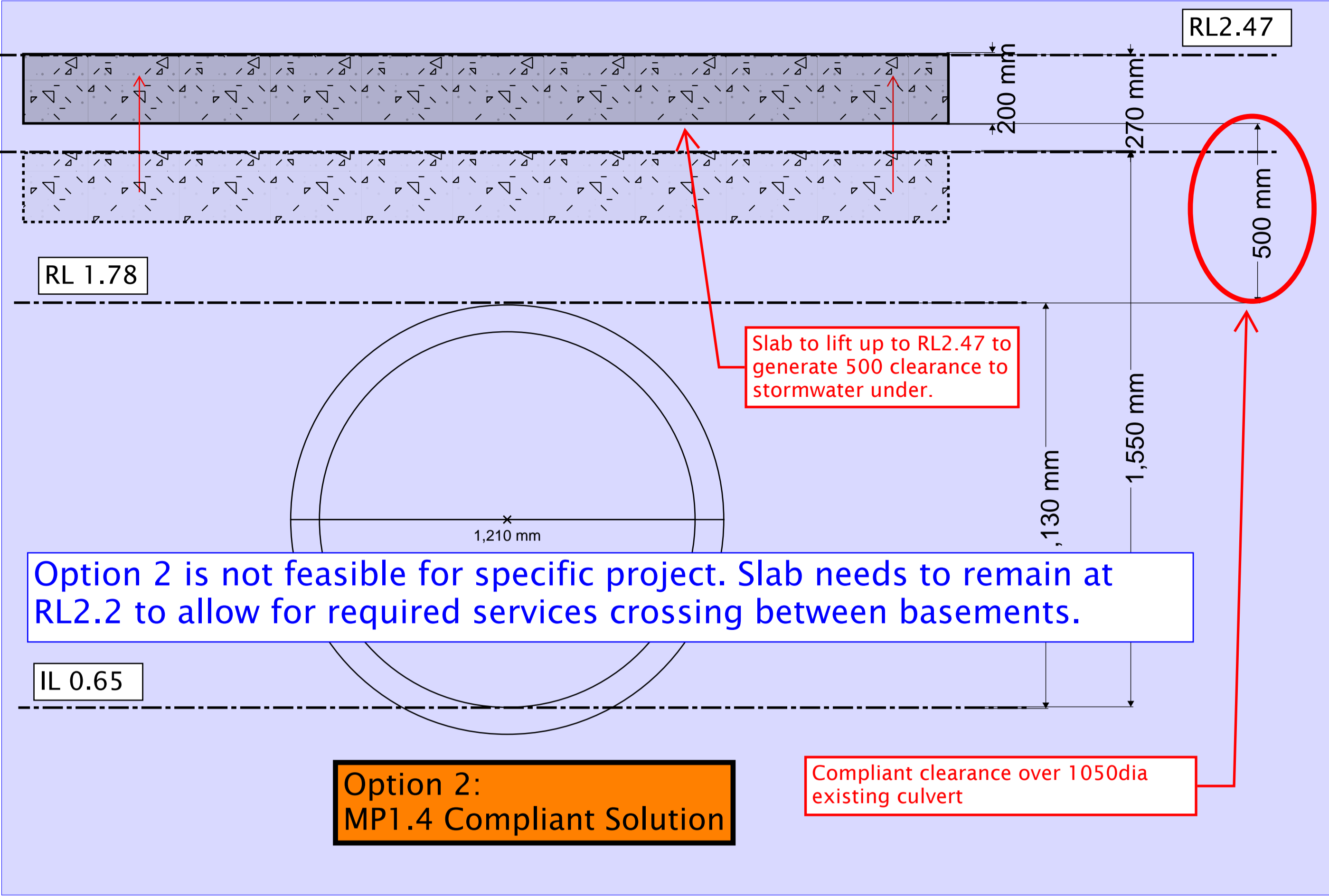
- 220mm Clearance between stormwater pipe and soffit of structure over.
- Structure to span over stormwater asset.
- Install compressible material under slab to avoid any loading of the stormwater.



**Option 1:
MP1.4 Non Compliant
Clearance Solution**

Stormwater pipe:
Sizing based on Pipe
culvert Rubber Ring Joint
(bell socket) RCC pipe

Pile system founded
below zone of influence
of stormwater.

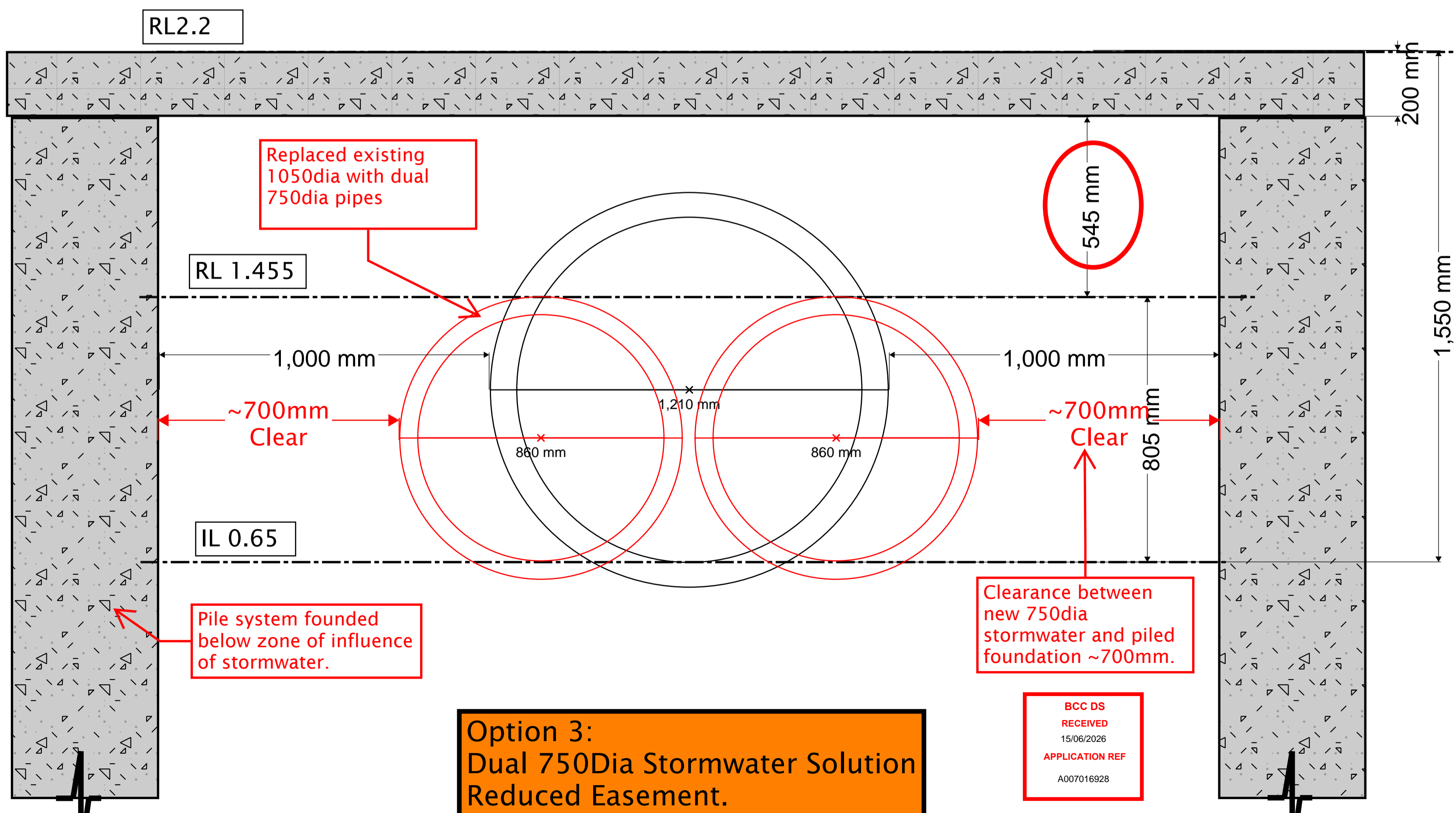


Option 2 is not feasible for specific project. Slab needs to remain at RL 2.2 to allow for required services crossing between basements.

**Option 2:
MP1.4 Compliant Solution**

Compliant clearance over 1050dia
existing culvert

Slab to lift up to RL 2.47 to
generate 500 clearance to
stormwater under.

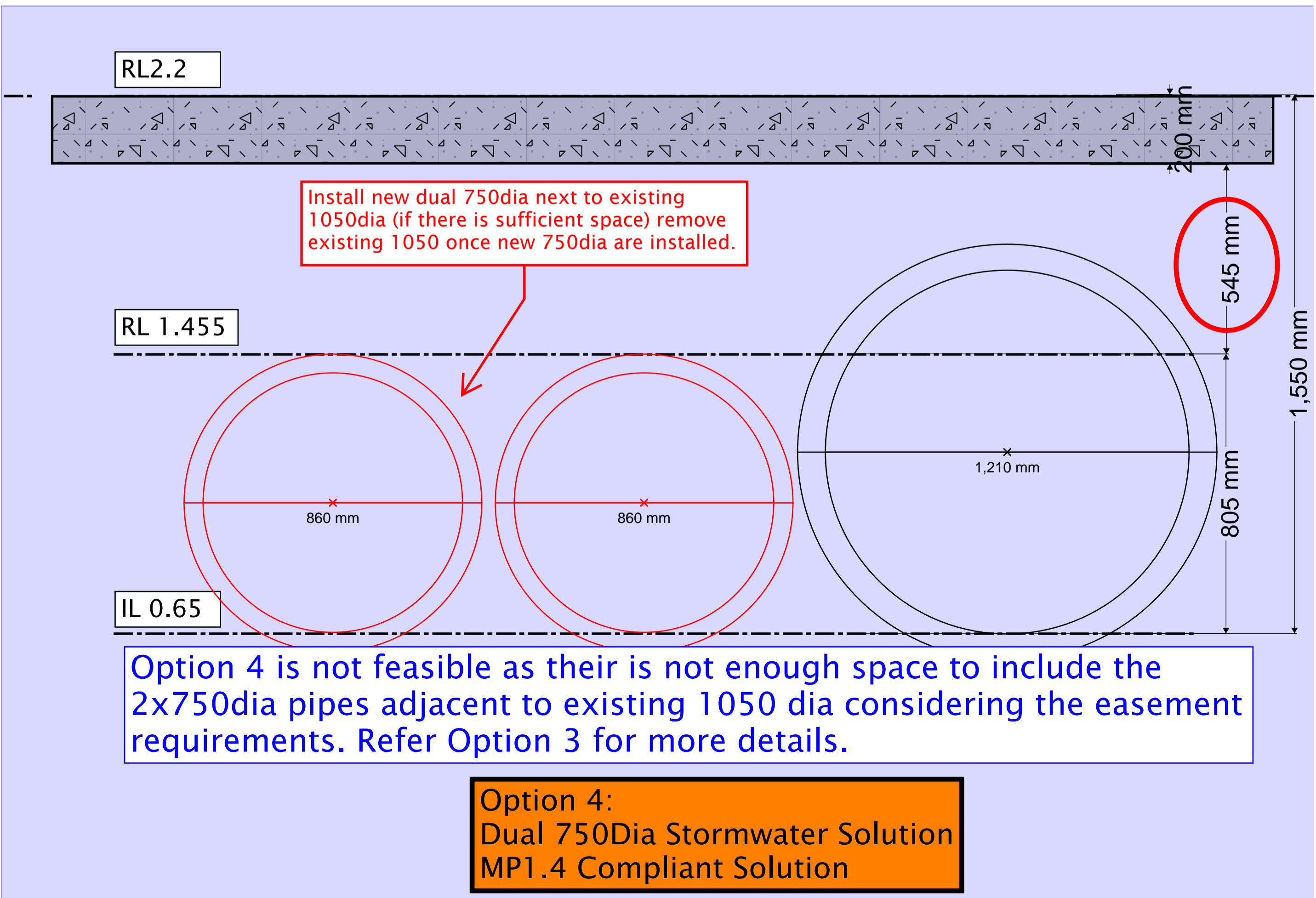


**Option 3:
Dual 750Dia Stormwater Solution
Reduced Easement.**

Clearance between
new 750dia
stormwater and piled
foundation ~700mm.

Pile system founded
below zone of influence
of stormwater.

Replaced existing
1050dia with dual
750dia pipes



**Option 4:
Dual 750Dia Stormwater Solution
MP1.4 Compliant Solution**

Option 4 is not feasible as there is not enough space to include the 2x750dia pipes adjacent to existing 1050 dia considering the easement requirements. Refer Option 3 for more details.

Install new dual 750dia next to existing
1050dia (if there is sufficient space) remove
existing 1050 once new 750dia are installed.

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EARTHWORK EXCAVATION EXTENT
 AREA = 2600 m2 APPROX.
 DEPTH = 4.6m MAX
 VOLUME = 12,000 m3 APPROX.

PUMP OUT PIT
 3.5 X 2.5 BASE DIMENSION
 1.2M HEIGHT
 (INDICATIVELY SHOWN)

PUMP OUT DISCHARGE POINT AT
 EXISTING KERB INLET. EXISTING KERB
 INLET FITTED WITH GEOTEXTILE
 FILTER SOCK FILLED WITH COURSE
 SAND. GRATING WRAPPED IN NON
 WOVEN FILTER FABRIC



**PRINT DRAWING
 IN COLOUR**

NOT FOR CONSTRUCTION

DEVELOPMENT APPLICATION

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CLIENT	GH PROPERTIES
ARCHITECT	PARALLEL WORKSHOP ARCHITECTS
REVISION	AMENDMENT
B	FOR DEVELOPMENT APPLICATION
A	FOR INFORMATION



PROJECT	20 WALSH STREET, MILTON
DATE	16/04/26
DRAWN	GC
DESIGNED	-
APPROVED	-
SCALE	NTS
DRAWING NUMBER	260313-TTW-CIV-SK-002
REVISION	B

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