

GUIDANCE NOTES - EXAMPLE PLANS

When applying for WORKS OVER (NETWORKS)

Notes:

- 1) These examples should not supersede requirements by Watercare's CAD standards*
- 2) All documents should be submitted in PDF format*
- 3) If you can, please make sure the submitted PDFs are unlocked*
- 4) CCTV links should be valid (not expired) and accessible to all (no passwords)*

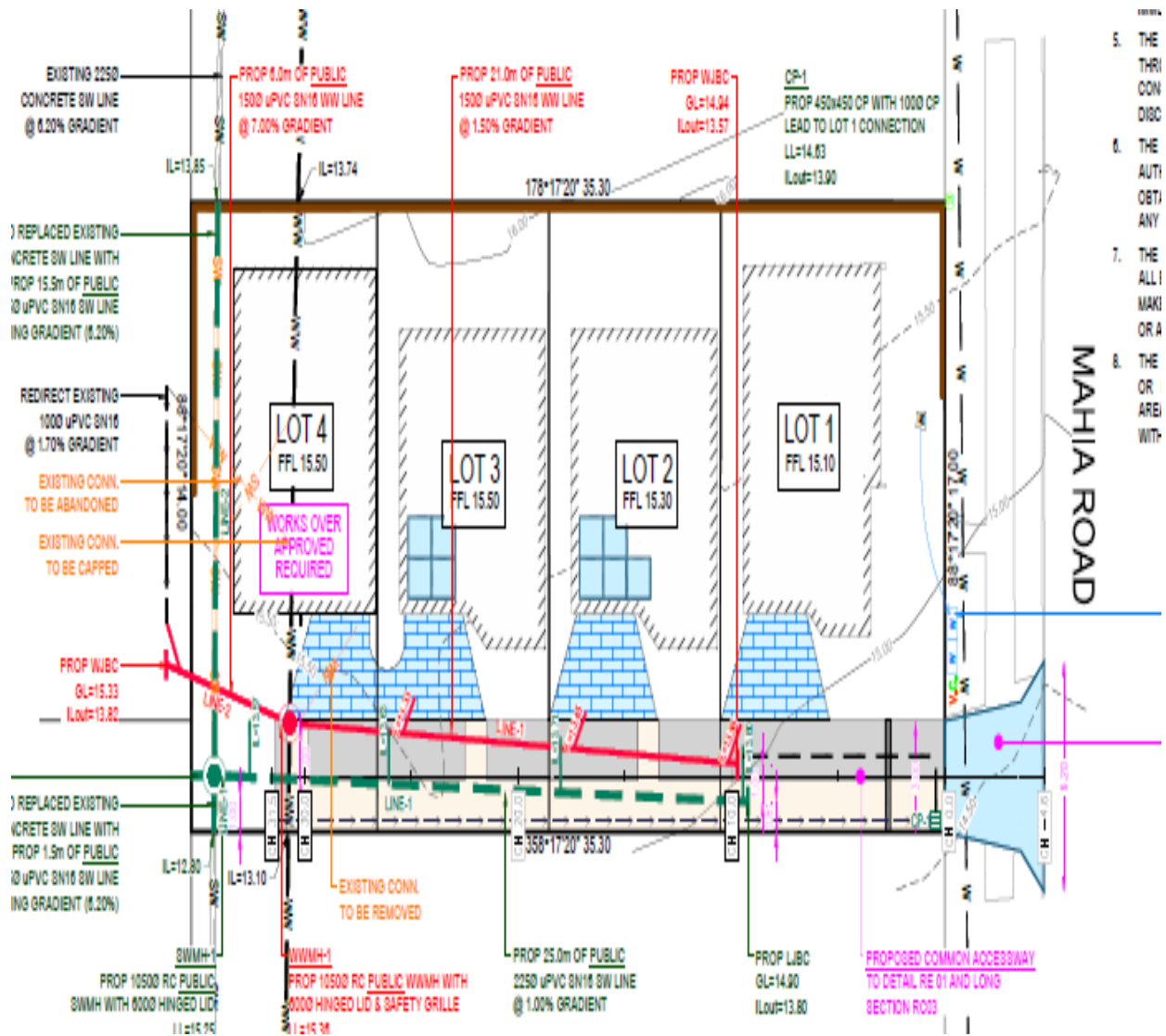
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Version Apr. 2026

1. Site Plan Requirements

- Include street names and a north arrow for clear orientation.
- Show all the services- Existing and Proposed new Wastewater lines, watermain and Stormwater lines
- Show the proposed building footprints, retaining walls, decks and balconies (whether raised or at ground level).
- Show the proposed Vehicle crossings

SAMPLE SITE PLAN

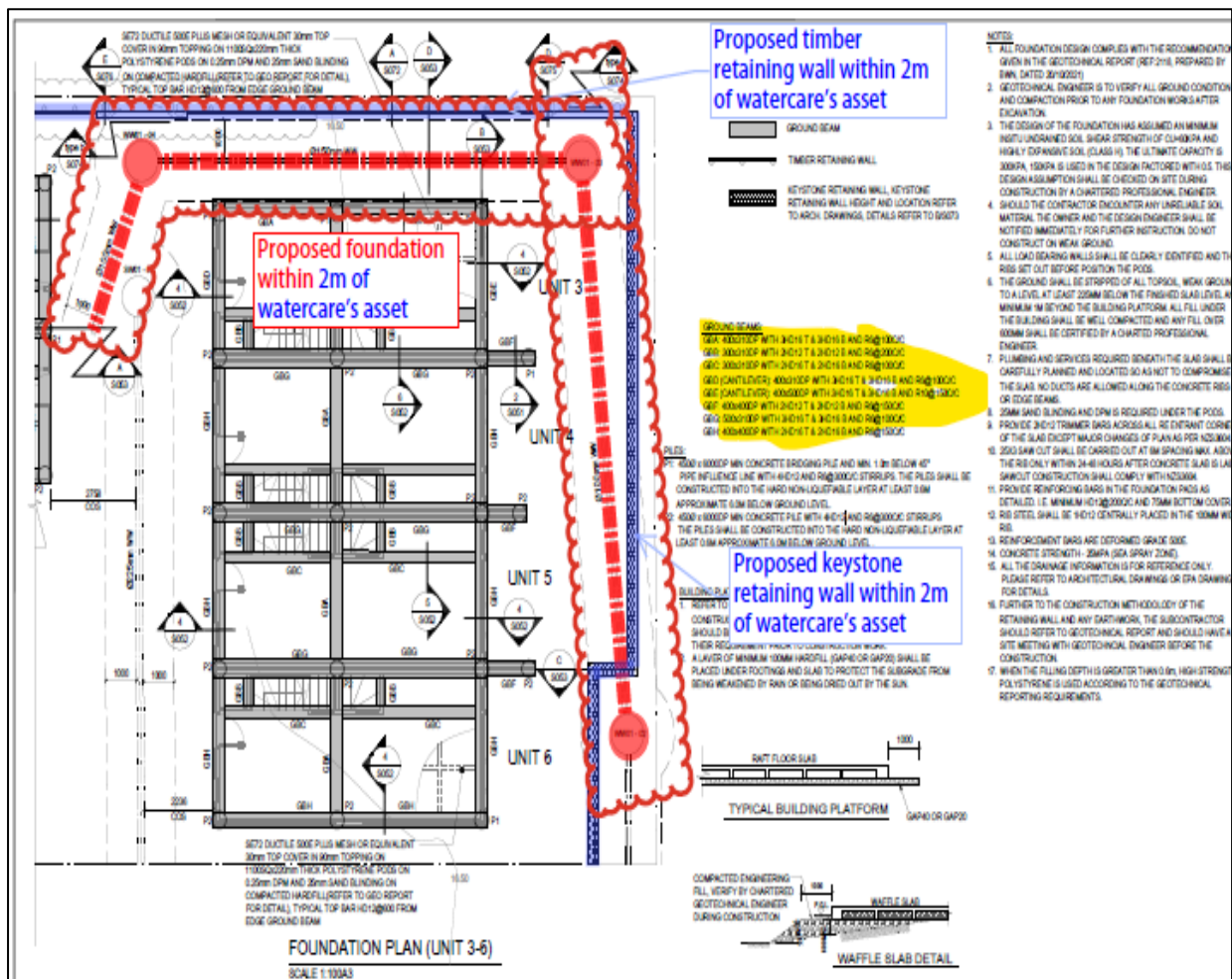


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2. Foundation Plan Requirements;

- Show all the services- Existing and Proposed new Wastewater lines and Stormwater lines
- Provide details of proposed piles, (size and depth of proposed piles)
Material type (e.g., concrete, timber)
Piling method (e.g., driven, pre-drilled)
- Show the proposed retaining walls (timber retaining wall, block retaining wall or keystone retaining wall)
- Show clearances between pipes and structures.

SAMPLE FOUNDATION PLAN



3. Cross-Section Plan Requirements

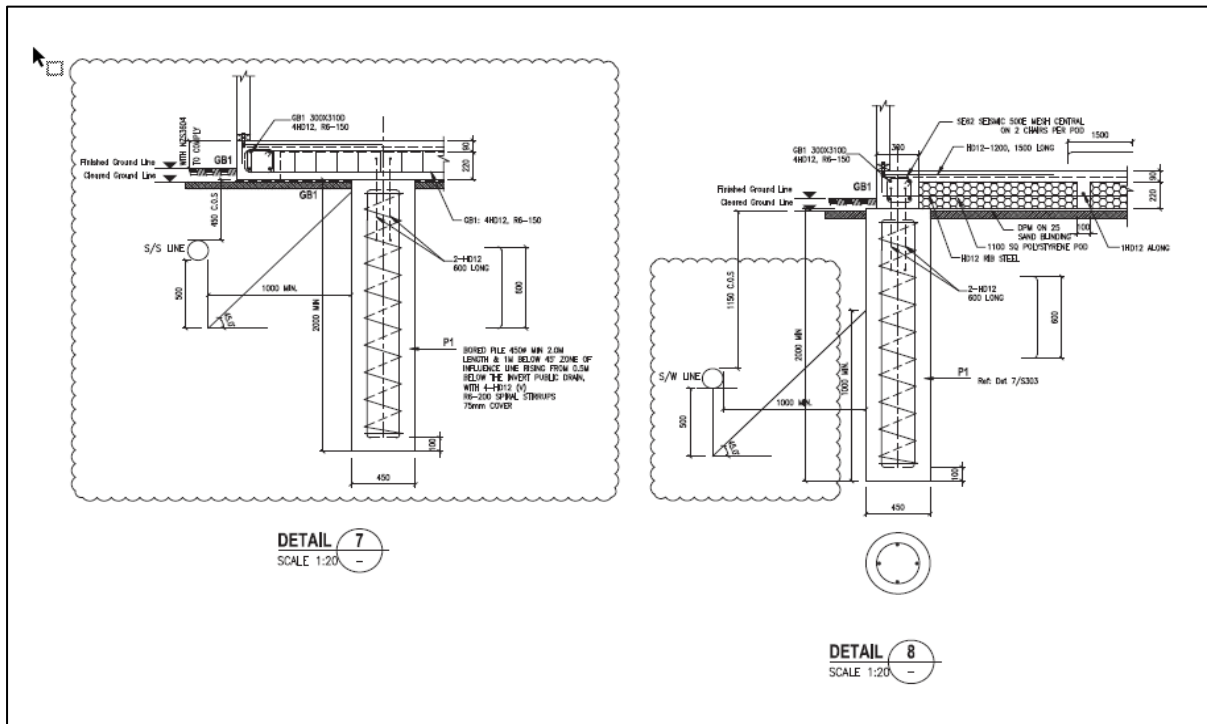
3.1 Build Near or Close Proximity Work

- Depth of pile with respect to the wastewater pipe
- Angle of influence
- Horizontal and Vertical Clearance between the proposed pile to the wastewater pipe

For clearance requirements please refer to WW-26 and WW-27

https://promising-sparkle-d7f0c0cfc9.media.strapiapp.com/wastewater_dwg_set_188bf4028c.pdf

SAMPLE CROSS-SECTION PALN SHOWING VERTICAL AND HORIZONTAL CLEARANCES – CLOSE PROXIMITY



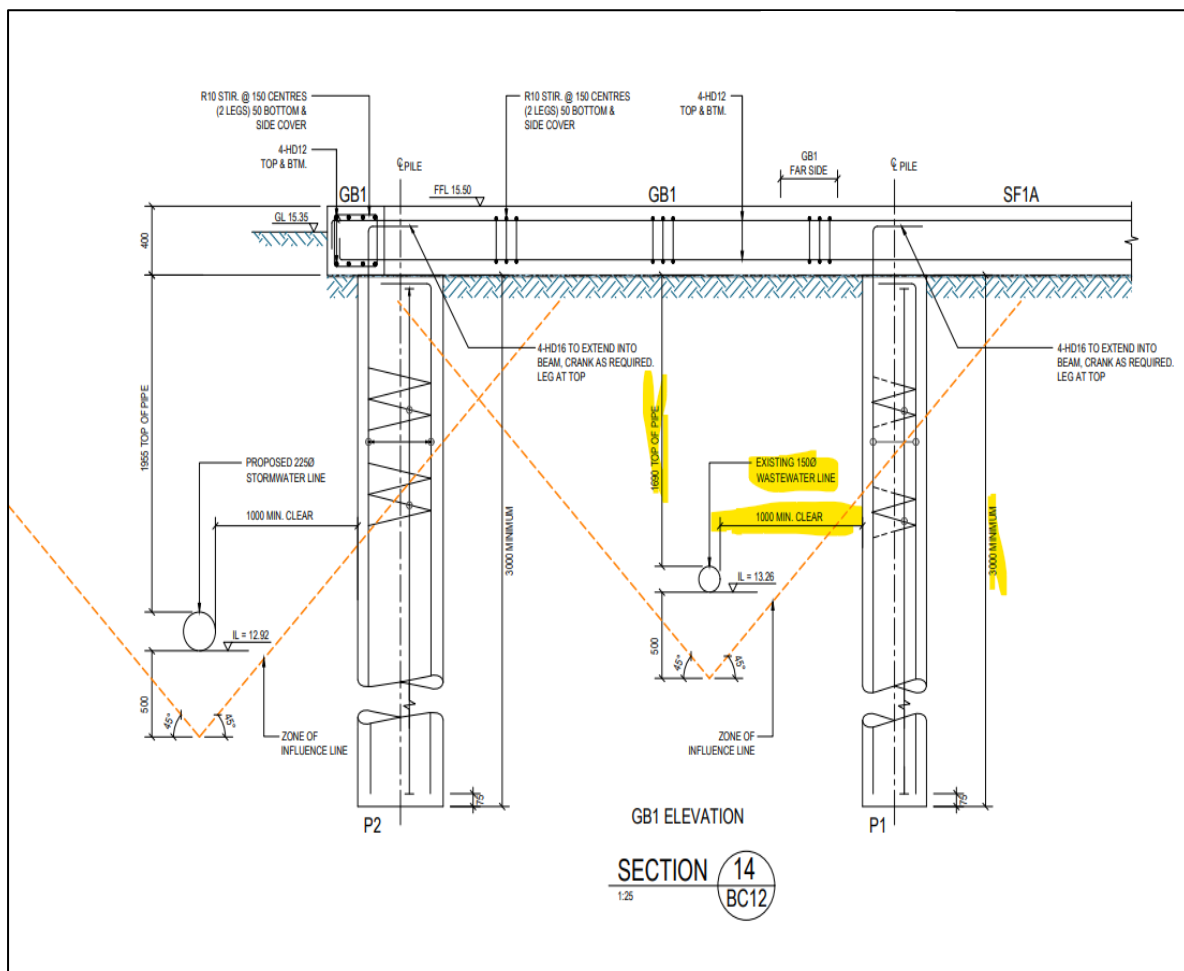
3.2 Bridging Plan Requirements (Build-Over)

- Depth of pile with respect to the wastewater pipe
- Proposed ground beam/ bridging beam
- Angle of influence
- Horizontal clearance from the proposed pile to the wastewater pipe
- Vertical clearance from the proposed ground beam/ bridging beam to the wastewater pipe

For the vertical and horizontal clearance requirements from the proposed piles / bridging beam to the wastewater pipe please refer to WW-26 and WW-27

https://promising-sparkle-d7f0c0cfc9.media.strapiapp.com/wastewater_dwg_set_188bf4028c.pdf

SAMPLE BRIDGING CROSS-SECTION PLAN

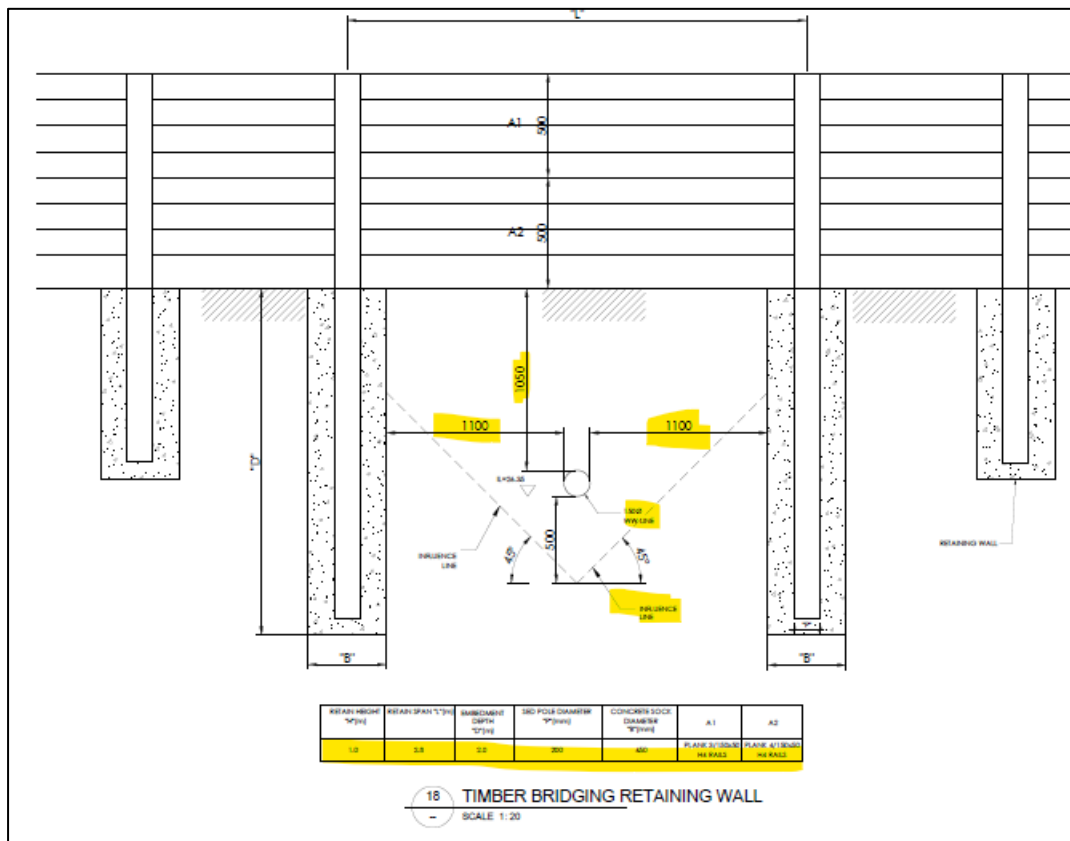


4. Retaining Wall Plan Requirements

4.1 FOR TIMBER RETAINING WALL

- Proposed Retaining wall post
- Depth of retaining wall post with respect to the wastewater pipe
- Angle of influence
- Horizontal clearance from the proposed retaining wall post to the wastewater pipe
- Vertical clearance from the proposed horizontal wood board to the wastewater pipe

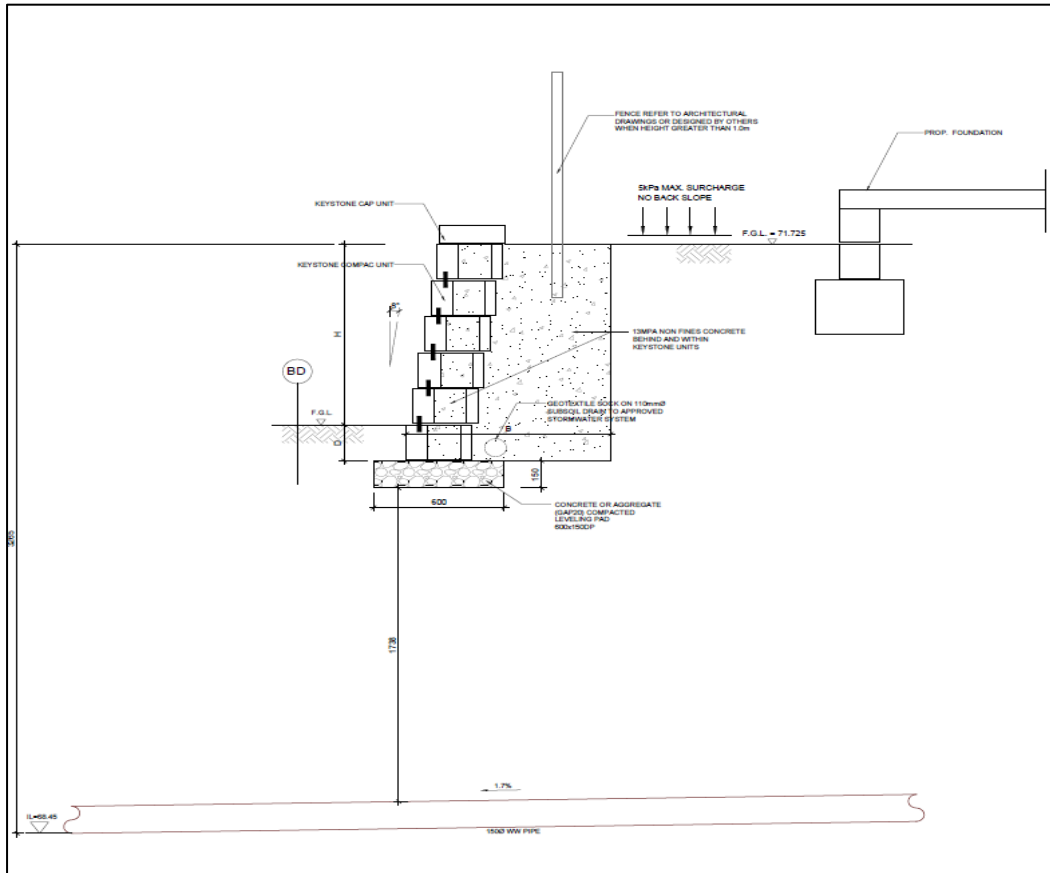
SAMPLE TIMBER RETAINING WALL CROSS-SECTION PLAN



4.2 FOR KEYSTONE RETAINING WALL

- Depth of proposed keystone retaining wall
- Vertical clearance details between the bottom of the keystone retaining wall to the top of the wastewater pipe.

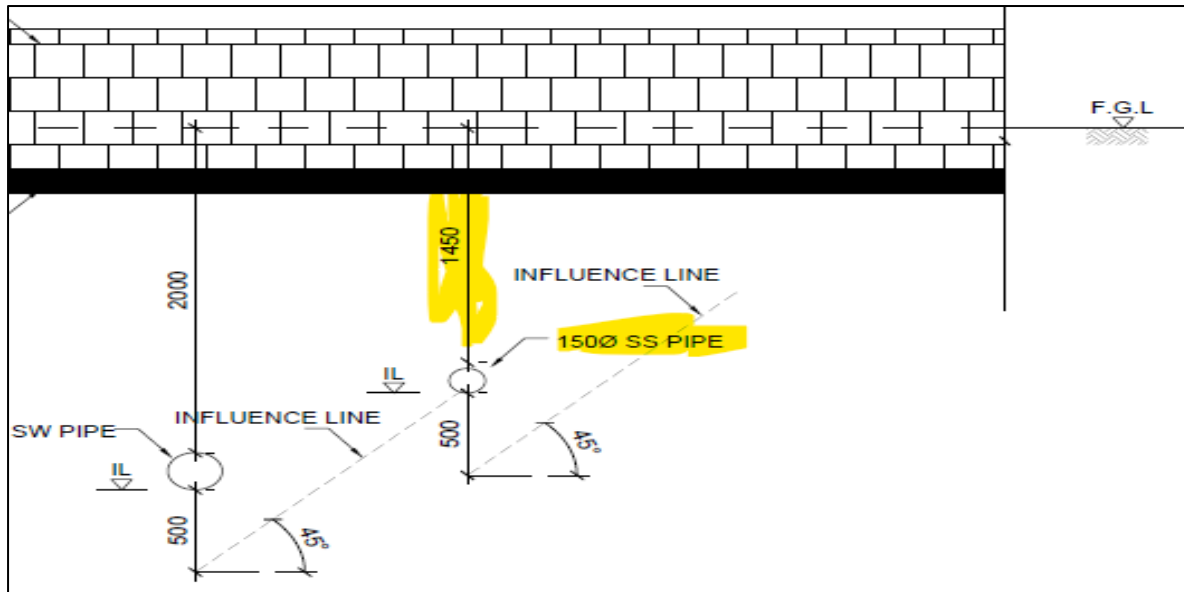
SAMPLE KEYSTONE RETAINING WALL CROSS-SECTION PLAN



4.3 FOR BLOCKWALL

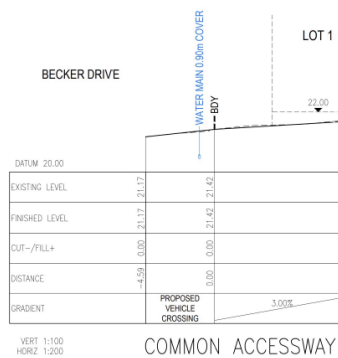
- Type and Depth of proposed Block wall
- Vertical clearance details between the bottom of the blockwall to the top of the wastewater pipe.

SAMPLE BLOCK WALL CROSS-SECTION PLAN



4.4 FOR PROPOSED VEHICLE CROSSING

- Vertical clearance / cover from the top of the proposed Vehicle crossing to the top of the watermain.









5.2 CCTV LOG-REPORT REQUIREMENTS

- Date of Inspection
- Upstream and Downstream Wastewater Manhole Numbers/ GIS ID
- Property Boundary Entry and Exit Points
- Photos showing the conditions of the wastewater pipe

SAMPLE CCTV LOG-REPORT CHAINAGE REPORT

Section Inspection - 4/10/2025 - SSM 1211746--1290583										
Section No.	Asset No.	Job Number	Date	Time	Weather					
1	SSM 1211746--1290583		4/10/2025	9:42 am	Dry Weather					
Town or Suburb	Camera Operator	Operator	DVD Number	Drawing No.	Camera					
HILLCREST	lei	lei								
Line Length [m]	18.06 m	Material	Concrete spun	Use	Foull/sanitary sewer					
Setup		Shape	Circular pipe	Pipe Status						
Surveyed Length [m]	18.06 m	Dia/Height [mm]	150 mm	Currency						
Joint Spacing [m]	2.40 m	Width [mm]	0 mm	Inspection						
Upstream MH	SSMH 1211746	Downstream MH	SSMH 1290583							
U/S Pipe Depth [m]	1.58 m	D/S Pipe Depth [m]								
U/S Location	137 MOORE ST	D/S Location	129 MOORE ST							
Comments										
1:130	m +	OC	Observation	MPEG	Photo	Grade				
SSMH 1211746										
	0.00	IS	Inspection start, node reference: SSMH 1211746	00:00:10	SSM					
	0.97	MC	Material change / CONCRETE TO PVC	00:00:35	SSM					
	1.73	LO	Lateral exists OK, at 11 o'clock	00:01:00	SSM					
	2.08	MC	Material change / PVC TO CONCRETE	00:01:13	SSM					
	9.11	LB	Lateral blank. There is visible evidence that the lateral is blank at 10 o'clock	00:03:06	SSM					
	13.80	GC	General comment / EXIT BOUNDARY,DTI,1.68m	00:04:37	SSM					
	18.06	IA	Inspection abandoned / EXIT BOUNDARY,4M	00:05:37	SSM					
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade	
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0	
137 MOORE STREET HILLCREST 04-10-25										
										Page 1

SAMPLE CCTV LOG-REPORT SHOWING PHOTOS

Section Pictures - 4/10/2025 - SSM 1211746--1290583				
Town or Suburb		Date	Asset No.	Section No.
HILLCREST		4/10/2025	SSM 1211746--1290583	1
 				
SSM 1211746--1290583_0001.jpg, 00:00:10, 0.00m Inspection start, node reference: SSMH 1211746		SSM 1211746--1290583_0002.jpg, 00:00:35, 0.97m Material change / CONCRETE TO PVC		
 				
SSM 1211746--1290583_0003.jpg, 00:01:00, 1.73m Lateral exists OK, at 11 o'clock		SSM 1211746--1290583_0004.jpg, 00:01:13, 2.08m Material change / PVC TO CONCRETE		
 				
SSM 1211746--1290583_0005.jpg, 00:03:06, 9.11m Lateral blank. There is visible evidence that the lateral is blank, at 10 o'clock		SSM 1211746--1290583_0006.jpg, 00:04:37, 13.80m General comment / EXIT BOUNDARY,DTI,1.68m		