

GUIDANCE NOTES - EXAMPLE PLANS

When applying for WORKS OVER (NETWORKS)

Notes:

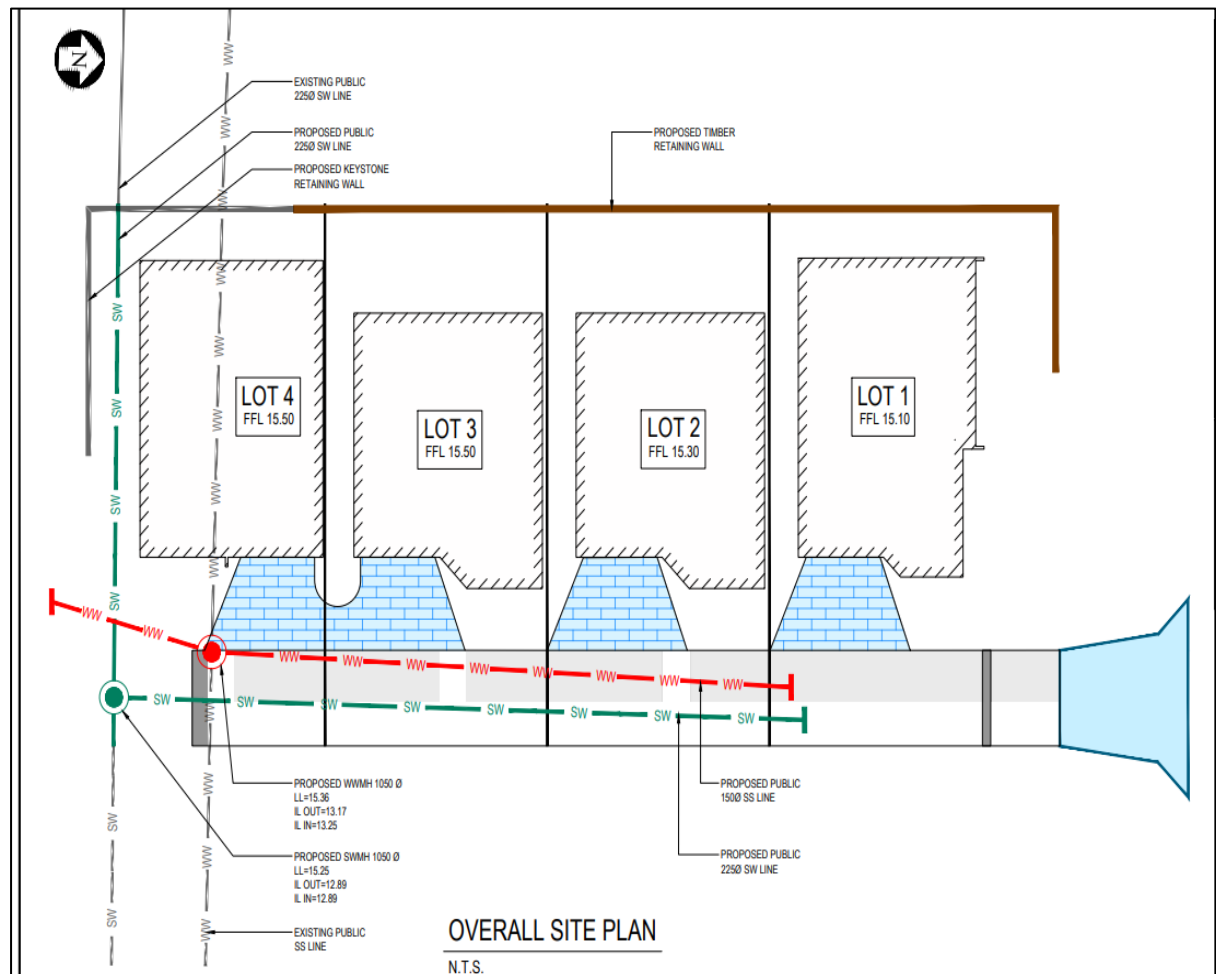
- 1) These examples should not supersede requirements by Watercare's CAD standards*
- 2) All documents should be submitted in PDF format*
- 3) If you can, please make sure the submitted PDFs are unlocked*
- 4) CCTV links should be valid (not expired) and accessible to all (no passwords)*

No copyright infringement intended

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).

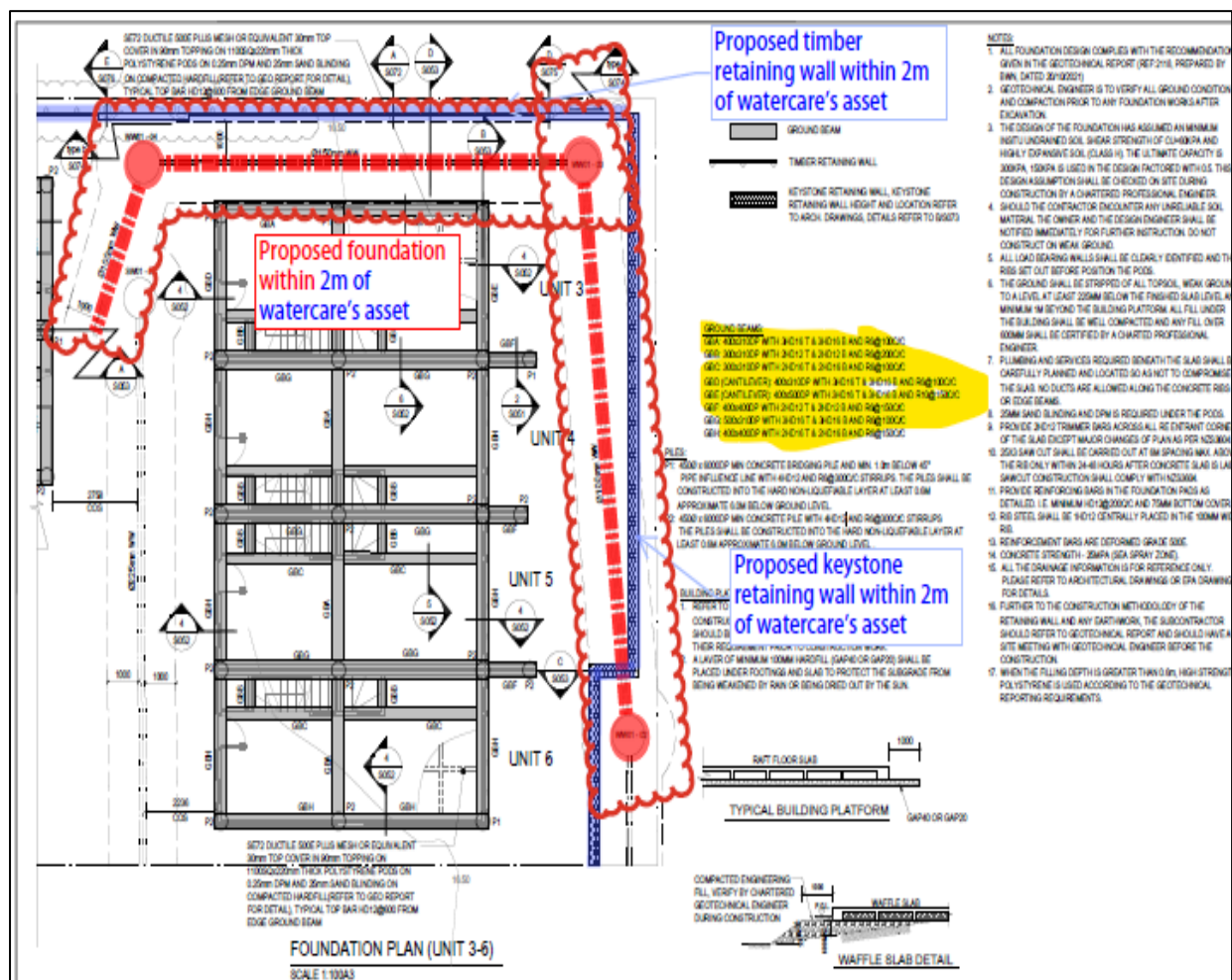
SAMPLE SITE PLAN

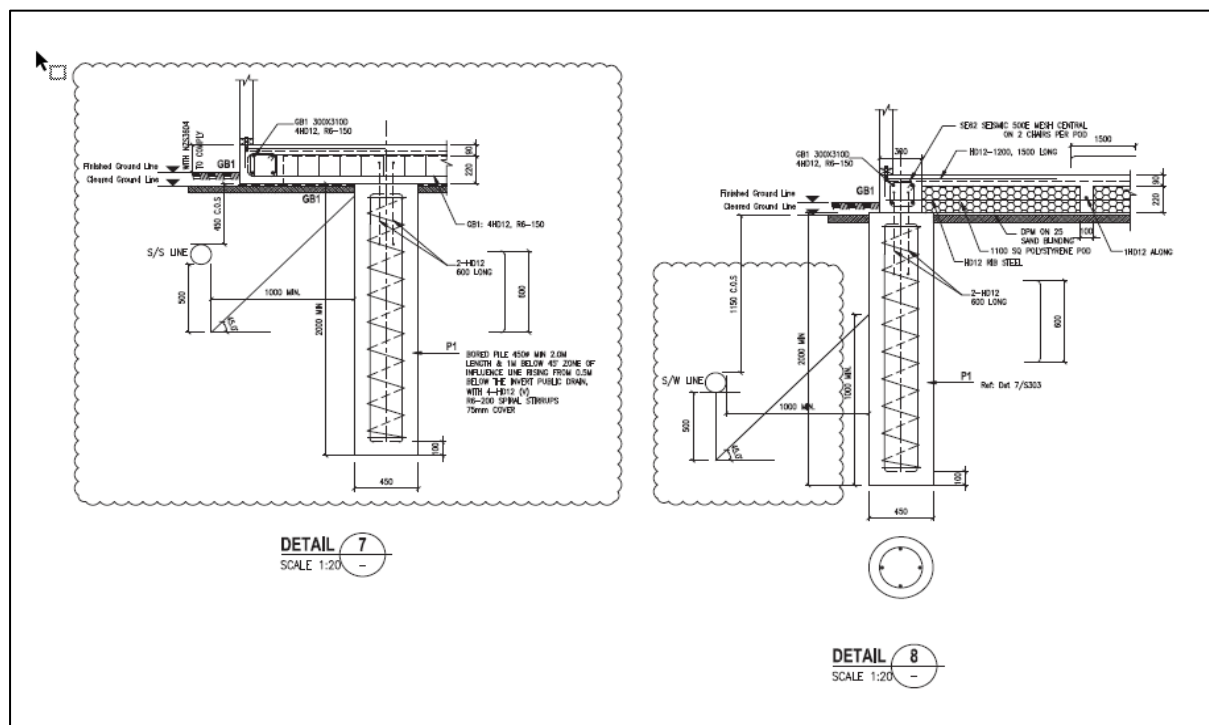


2. Foundation Plan Requirements;

- Show all the services- Existing and Proposed new Wastewater lines, watermain 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





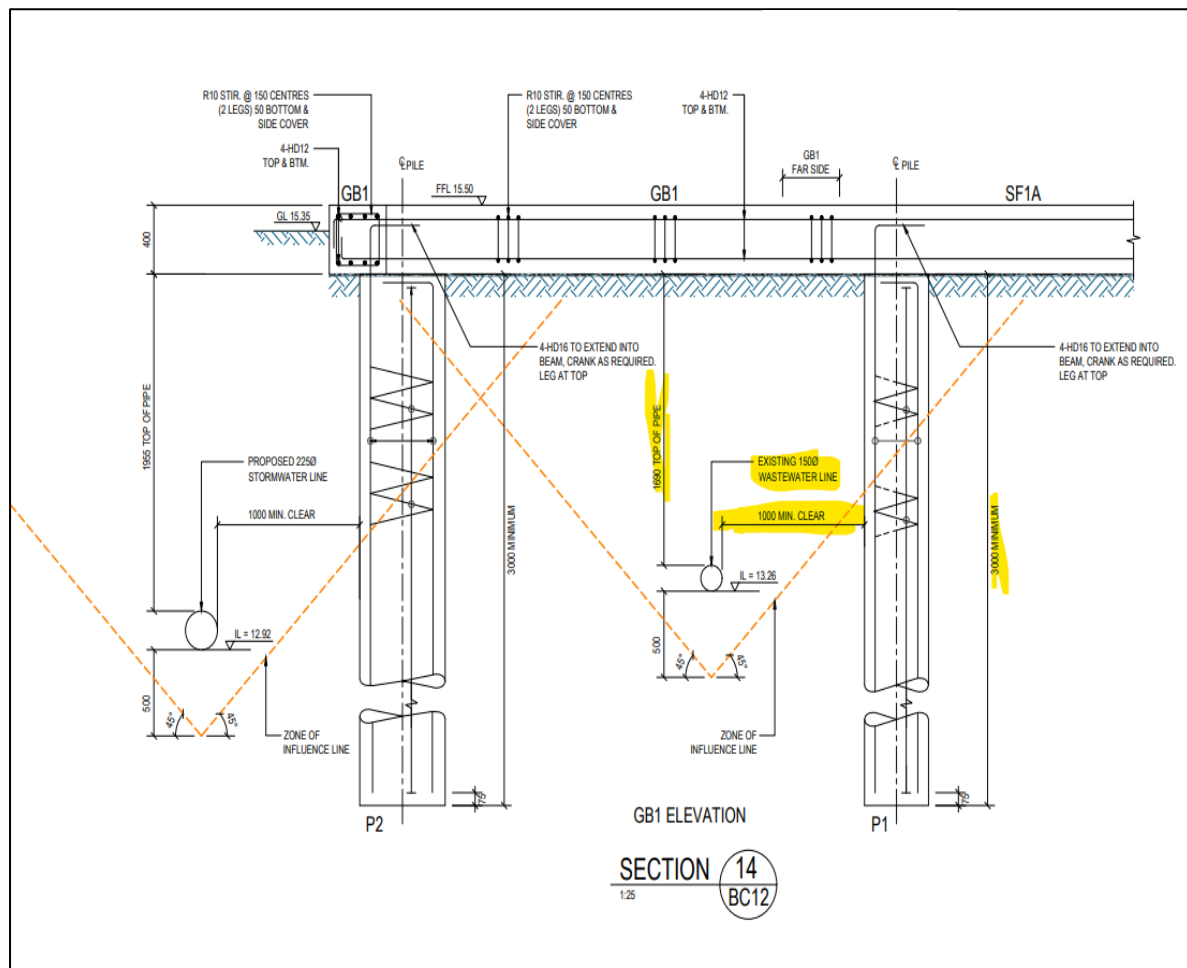
3.2 Bridging Plan Requirements (Build-Over)

- 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

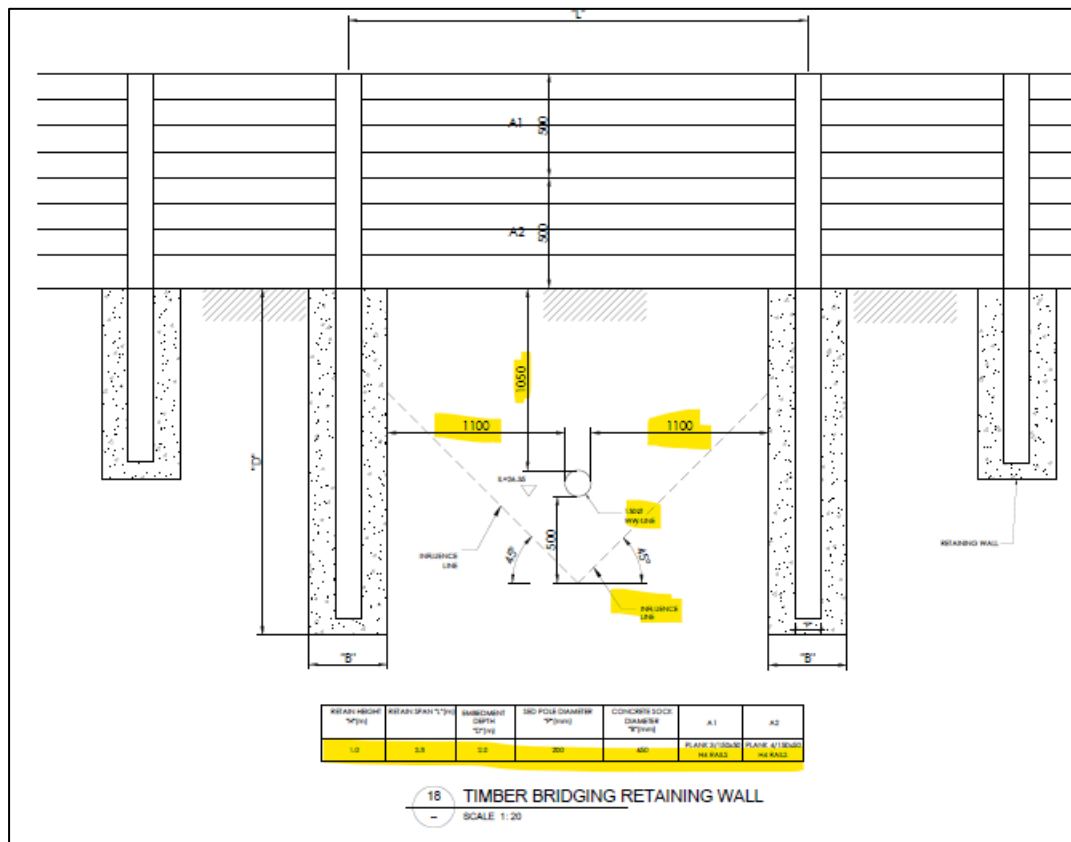


4. Retaining Wall Plan Requirements

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

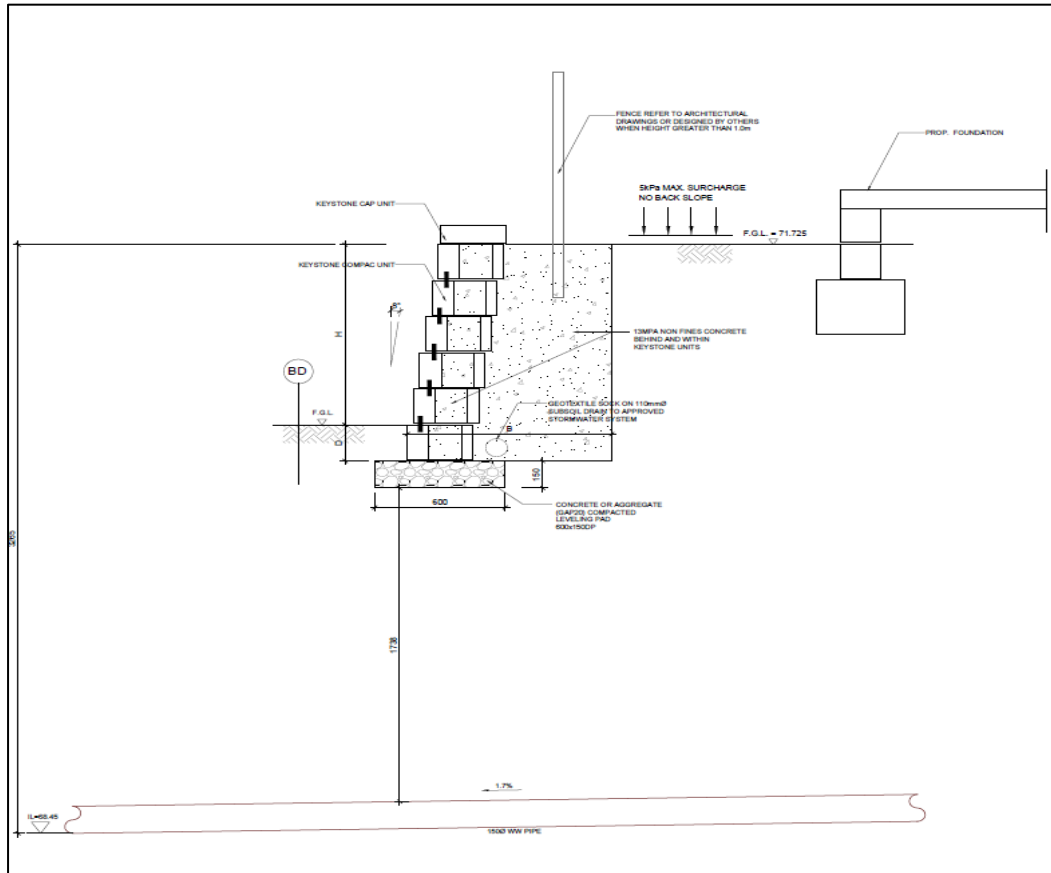
SAMPLE TIMBER RETAINING WALL CROSS-SECTION PLAN



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.

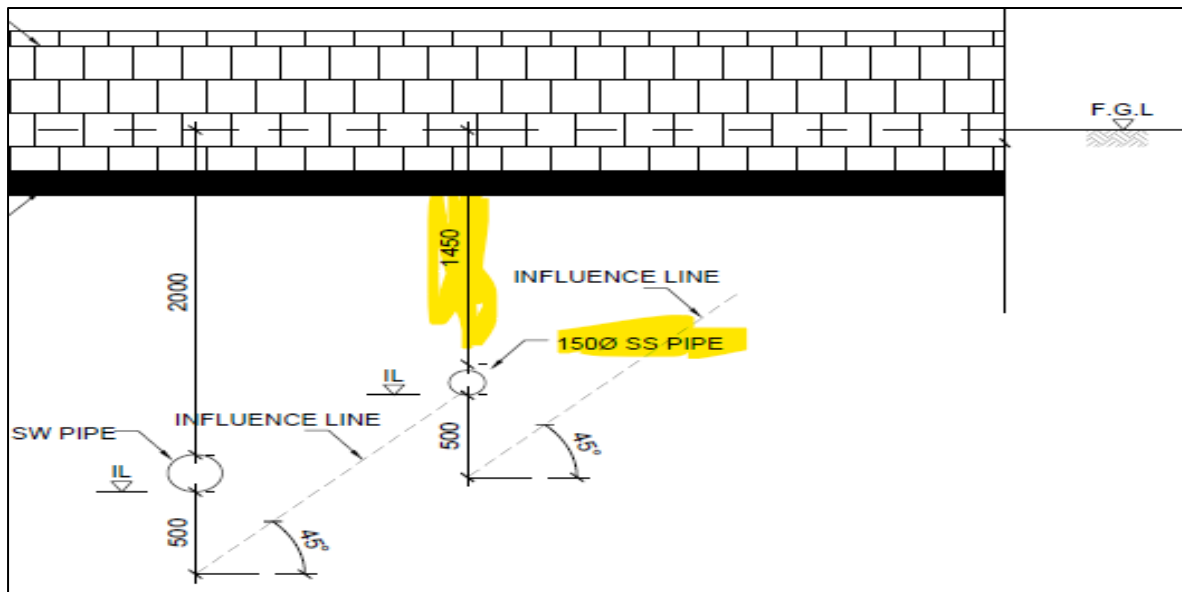
SAMPLE KEYSTONE RETAINING WALL CROSS-SECTION PLAN



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



5. CCTV Requirements

5.1 CCTV AS-BUILT PLAN REQUIREMENTS

- Snip of GIS / Site plan showing the upstream manhole and downstream manhole GIS ID and property entry DTI and exit DTI (DTI- Depth to Invert)

SAMPLE CCTV AS-BUILT PLAN





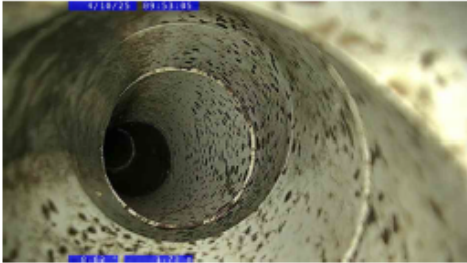

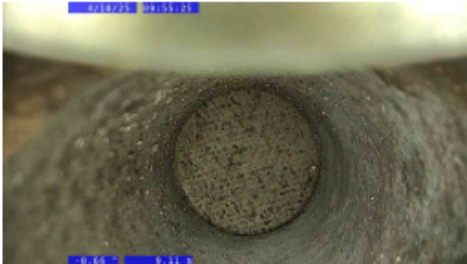

5.2 CCTV LOG-REPORT REQUIREMENTS

- 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. 1	Asset No. SSM 1211746--1290583	Job Number	Date 4/10/2025	Time 9:42 am	Weather Dry Weather				
Town or Suburb HILLCREST	Camera Operator lei	Operator lei	DVD Number	Drawing No.	Camera				
Line Length [m] Setup	18.06 m	Material Shape	Concrete spun Circular pipe	Use Pipe Status	Foul/sanitary sewer				
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 1211746--1290583_0					
0.97	MC		Material change / CONCRETE TO PVC	00:00:35 SSM 1211746--1290583_0					
1.73	LO		Lateral exists OK, at 11 o'clock	00:01:00 SSM 1211746--1290583_0					
2.08	MC		Material change / PVC TO CONCRETE	00:01:13 SSM 1211746--1290583_0					
9.11	LB		Lateral blank. There is visible evidence that the lateral is blank, at 10 o'clock	00:03:06 SSM 1211746--1290583_0					
13.80	GC		General comment / EXIT BOUNDARY,DTI,1.68m	00:04:37 SSM 1211746--1290583_0					
18.06	IA		Inspection abandoned / EXIT BOUNDARY,4M	00:05:37 SSM 1211746--1290583_0					
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 HILLCREST		Date 4/10/2025	Asset No. SSM 1211746--1290583	Section No. 1
<div>  <p>SSM 1211746--1290583_0001.jpg, 00:00:10, 0.00m Inspection start, node reference: SSMH 1211746</p> </div> <div>  <p>SSM 1211746--1290583_0002.jpg, 00:00:35, 0.97m Material change / CONCRETE TO PVC</p> </div> <div>  <p>SSM 1211746--1290583_0003.jpg, 00:01:00, 1.73m Lateral exists OK, at 11 o'clock</p> </div> <div>  <p>SSM 1211746--1290583_0004.jpg, 00:01:13, 2.08m Material change / PVC TO CONCRETE</p> </div> <div>  <p>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</p> </div> <div>  <p>SSM 1211746--1290583_0006.jpg, 00:04:37, 13.80m General comment / EXIT BOUNDARY,DTI,1.68m</p> </div>				