

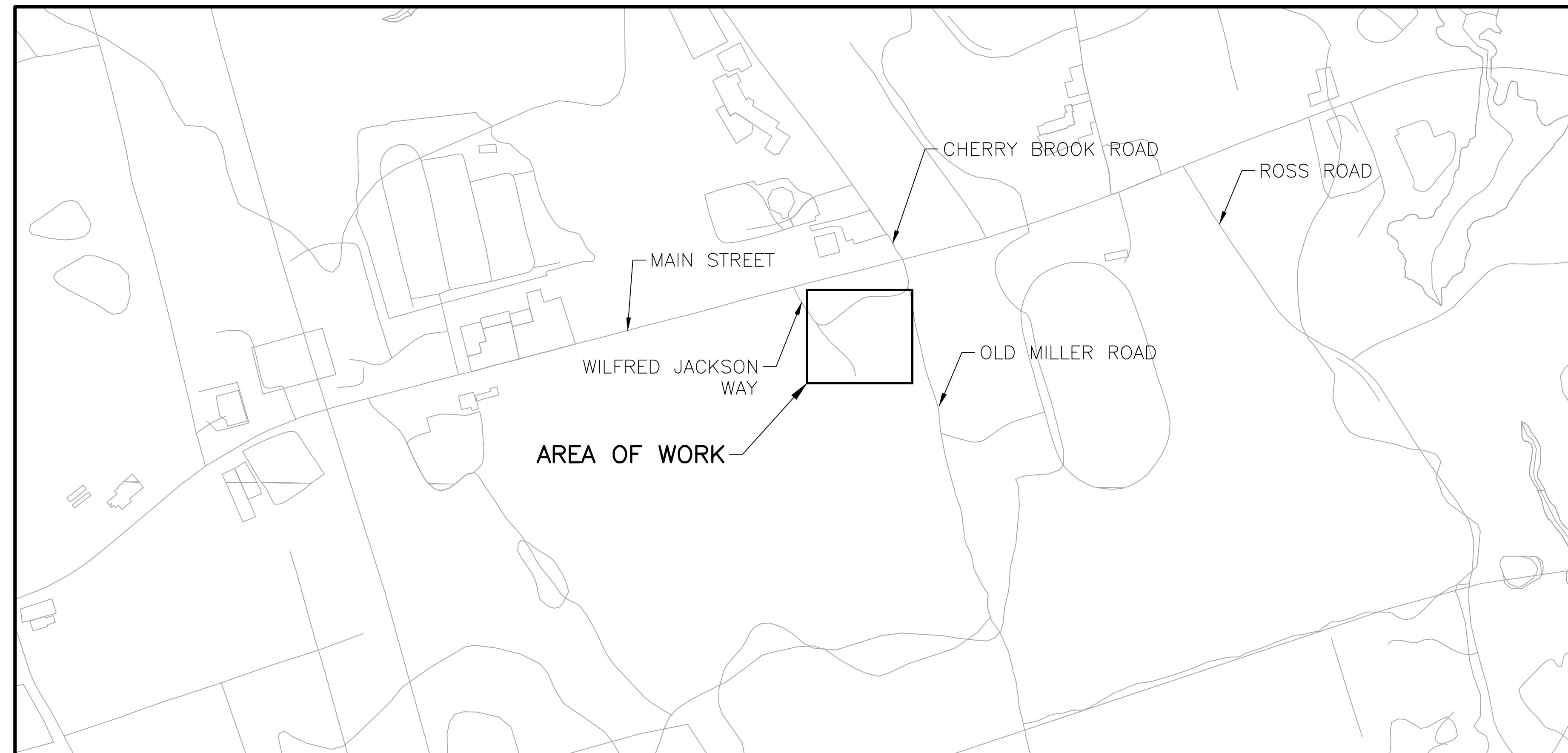
Contract No.

# AKOMA OLD HOME RESTORATION

## WATER SUPPLY AND WASTEWATER DISPOSAL

Sheet List Table

Sheet Number	Sheet Title
C00	COVER SHEET
C01	EXISTING CONDITIONS AND REMOVALS
C02	SITE SERVICES & ACCESS PLAN
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C04	GRADING PLAN
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C06	GENERAL DETAILS
C07	SLOPING SAND FILTER DETAILS



Project No. 170249.00



RE-ISSUED FOR  
HALIFAX WATER  
APPROVAL

MARCH 21, 2018



EXERCISES

**PLAN**  
1:250

# MAIN STREET

This site plan illustrates the proposed alignment of Wilfred Jackson Way, a new road being constructed through a residential area. The road is shown as a dashed line, with its name written along its center. A solid grey line indicates the existing property boundary. A shaded area represents the proposed right-of-way, which is 6.0m wide, as indicated by a dimension line. The plan shows several existing trees marked with small circles and clusters of flowers. An arrow points to an 'EXIST. COMMUNITY GARDEN'. A label 'EXIST. TREE (APPROX. LOCATION)' points to a specific tree location. A label 'EXISTING SEPTIC' is placed near the bottom right. A north arrow is located in the top right corner.

35 WILFRED  
JACKSON WAY

The site plan illustrates the layout around 35 Wilfred Jackson Way. Key features include:

- EXIST. WATERMAIN**: A 200 $\phi$  PVC water main running along the top right.
- EXIST. SEPTIC RISERS**: Located in the upper left and middle right areas.
- EXIST. ASPHALT PARKING LOT**: An area labeled in the upper left.
- EXIST. ROADWAY**: An asphalt roadway running diagonally from the bottom left towards the center.
- LD**: A label pointing to a dashed line indicating a boundary or path.
- UP**: A directional indicator pointing upwards.
- EXIST. ASPHALT TURN AROUND TO BE REMOVED**: An asphalt area at the bottom left marked for removal.
- EXIST. ASPHALT DRIVEWAY TO BE REMOVED**: An asphalt area at the bottom center marked for removal.
- Excavation Areas**: Dashed lines outline areas for excavation, particularly in the lower center and right side.
- Septic System Diagram**: A detailed circular diagram in the lower center shows the layout of pipes and chambers within a manhole or access point.

This site plan diagram illustrates the layout of a property with several key features labeled:

- EXIST. 50Ø MUNICIPEX**: A rectangular area labeled "EXIST. 50Ø MUNICIPEX" with an arrow pointing to it.
- EXIST. ASPHALT PARKING LOT**: An area labeled "EXIST. ASPHALT PARKING LOT" with an arrow pointing to it.
- APPROX. LOCATION OF UNDERGROUND SANITARY PIPE**: A wavy line representing the approximate location of an underground sanitary pipe, with a small square icon near its start.
- EXIST. ABANDONED DRILLED WELL (SEE NOTE 2)**: A wavy line representing the location of an abandoned drilled well, with an arrow pointing to it.
- EXIST. TREE (TYP.)-TO REMOVED**: A wavy line representing the location of a tree to be removed, with an arrow pointing to it.
- EXISTING BUILDING**: A large rectangular area labeled "EXISTING BUILDING" with an arrow pointing to it.

The diagram also includes several small cloud-like symbols representing trees or shrubs scattered across the property.

This site plan diagram illustrates a property boundary with various features labeled:

- EXIST. ASPHALT PARKING LOT**: Located at the top of the property, indicated by a wavy arrow.
- EXIST. GRAVEL ROADWAY**: A horizontal line representing an existing gravel road, indicated by a wavy arrow.
- UP**: Two directional indicators, one near the top right and one near the bottom left, each accompanied by a small circle.
- TP**: Two location markers, one near the bottom center and one near the middle right, each associated with a north arrow symbol.
- ES BE**: Labels located near the bottom left corner.

The property boundary is defined by a jagged line. Several trees are depicted as cloud-like shapes, with two clusters of three trees each located in the upper right and middle sections. A magnifying glass icon is positioned in the lower left area.

The diagram illustrates a land development project. A dashed line represents the 'APPROX. CENTRE LINE OF OLD MILLER ROAD'. A solid line indicates the 'EXIST. TREE LINE TO BE TAKEN BACK TO APPROX. LIMIT OF GRUBBED AREA'. A point labeled 'TP' is marked with a crosshair symbol. The area between the road centerline and the tree line is designated as a 'GRUBBED AREA'. Several small clusters of trees are shown along the tree line.

6	RE-ISSUED FOR HALIFAX WATER APP	MAR 21/18	SE
5	ISSUED FOR HALIFAX WATER APP	JAN 11/18	SE
4	ISSUED FOR HALIFAX WATER APP	JAN 11/18	SE
3	ISSUED FOR ADDENDUM #1	OCT 12/17	SE
2	ISSUED FOR TENDER	OCT 03/17	SE
1	ISSUED FOR CLIENT APPROVAL	OCT 01/17	SE
B	ISSUED FOR 90% REVIEW	SEPT 22/17	SE
A	ISSUED FOR CONCEPT	SEPT 15/17	JAB
o.	Description	Date	By

Revision or Issue  
**AKOMA HOLDINGS INC.**  
AKOMA OLD HOME RESTORATION

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# CIVIL

## EXISTING CONDITIONS AND REMOVALS

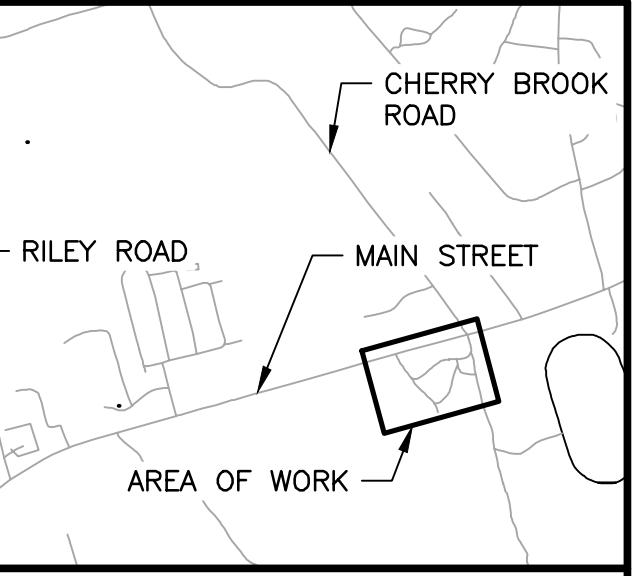
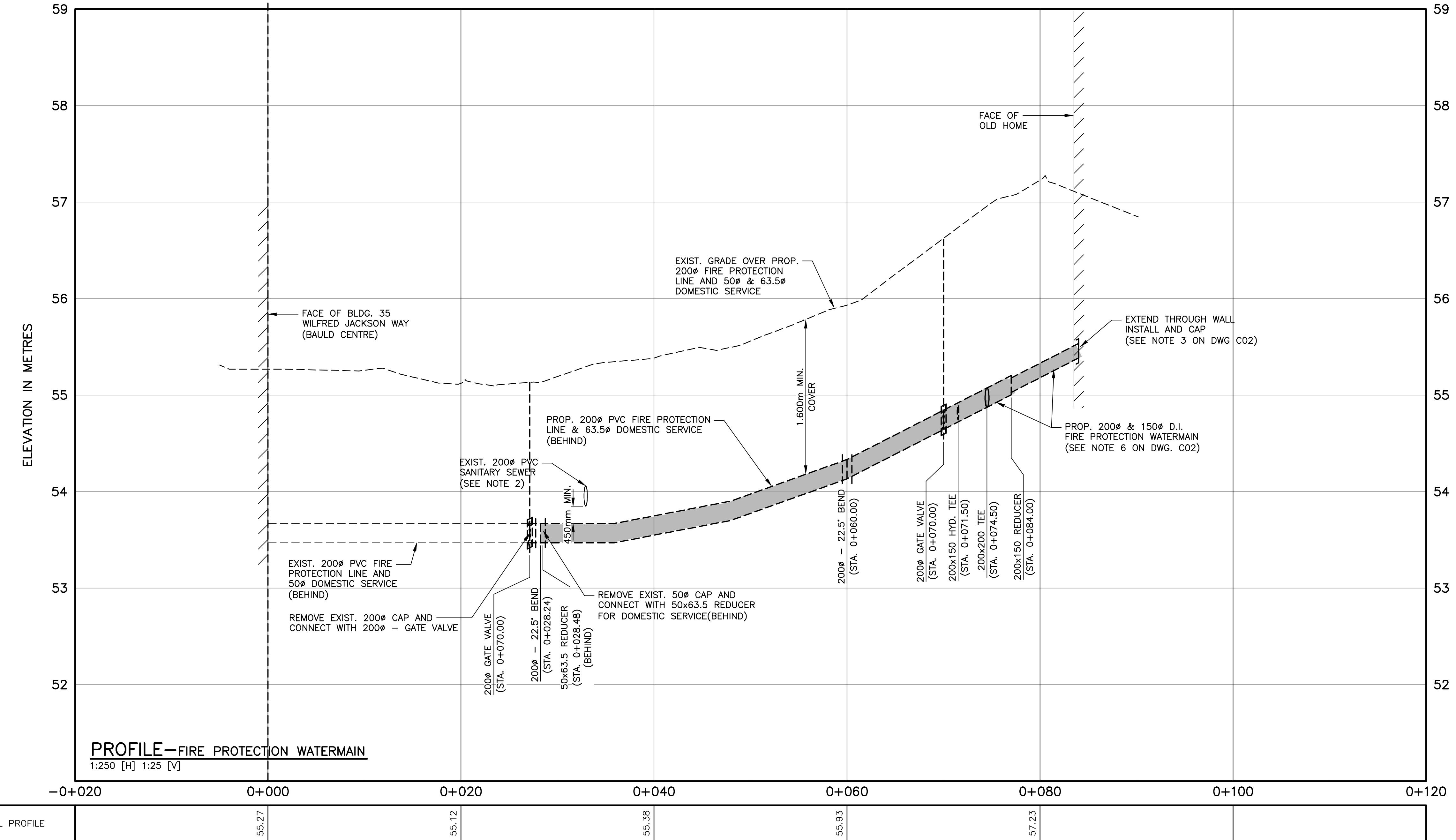
# **CBCL LIMITED**

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## **Consulting Engineers**

CBCL No 170249.00	Contract No	Date SEPT 2017	Scale AS NOTED
		Designed AD	Drawn BWM/DB
		Checked JJ	Approved SE
		Sheet No 1 of 7	
		Drawing No <b>C01</b>	





### KEY PLAN

1:5000

#### NOTES

- FOR GENERAL NOTES REFER TO C05.
- EXACT LOCATION/DEPTH/SIZE OF EXISTING SANITARY SEWER IS UNKNOWN. CONTRACTOR IS TO CONFIRM LOCATION PRIOR TO DOMESTIC AND FIRE PROTECTION LINE INSTALLATION. SANITARY PIPE SHALL BE REPLACED WITH A LENGTH OF WATER CLASS PIPE (PVC DR18) AND SHALL BE PRESSURE TESTED. IF WATER PIPES CAN BE INSTALLED OVER SANITARY PIPE WITH A MINIMUM VERTICAL SEPARATION OF 450mm, THE SANITARY PIPE SHALL REMAIN UNDISTURBED.

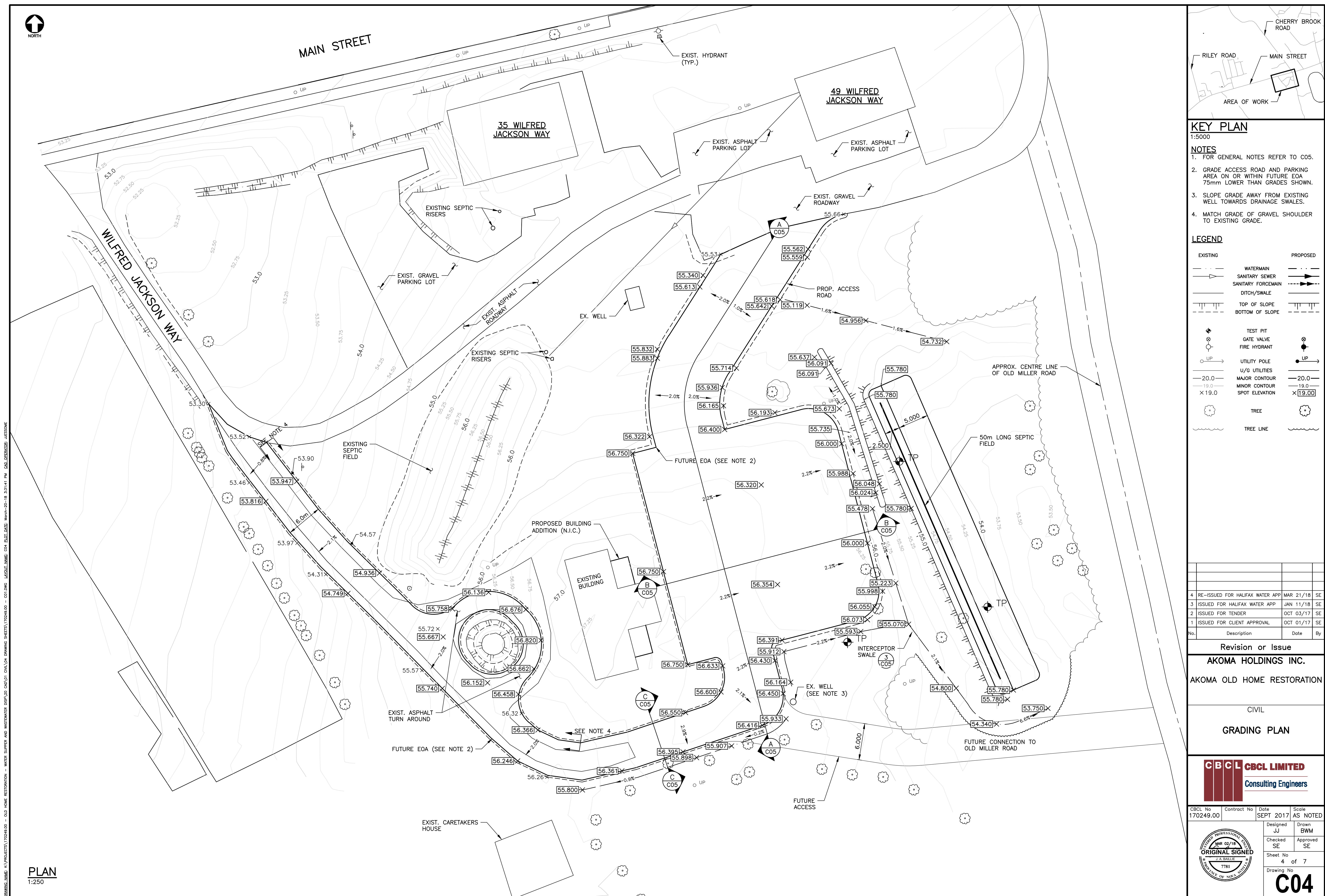
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No.	Description	Date	By
<b>Revision or Issue</b>			
AKOMA HOLDINGS INC. AKOMA OLD HOME RESTORATION			

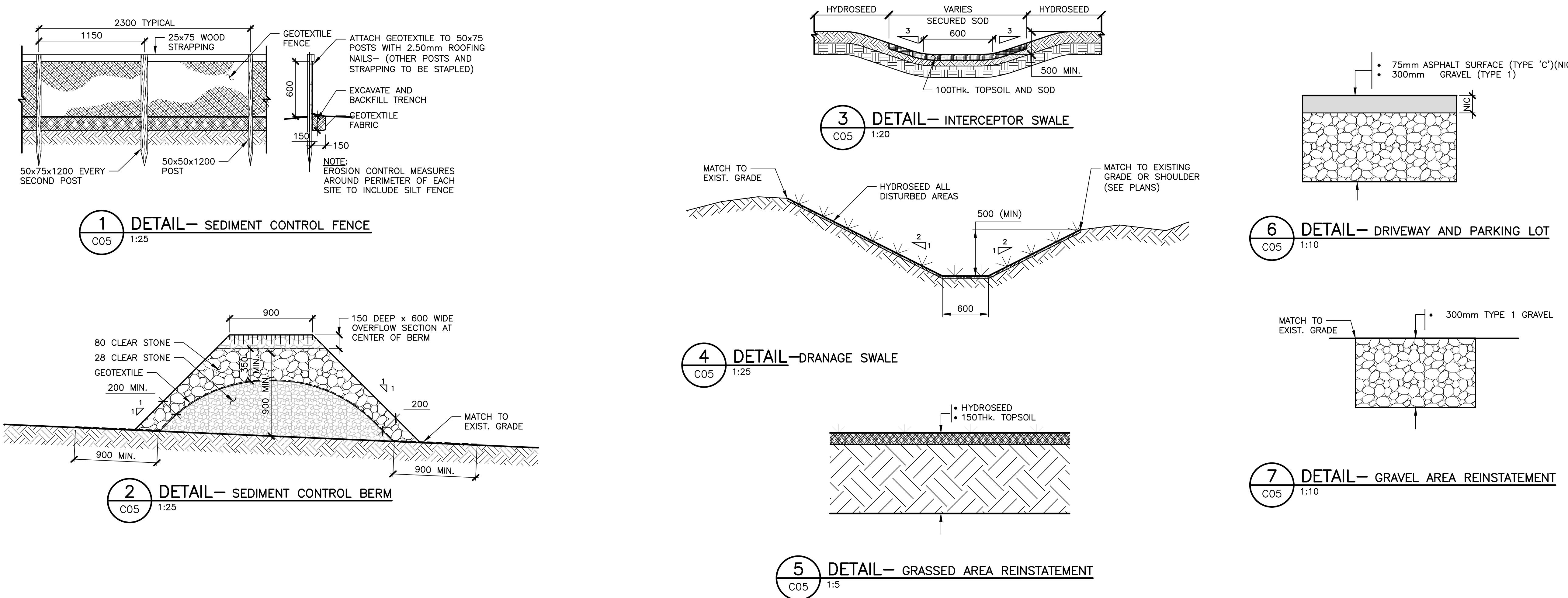
### CIVIL WATER SERVICES PROFILE

**CBCL LIMITED**  
Consulting Engineers

CBCL No	Contract No	Date	Scale
170249.00		SEPT 2017	AS NOTED
		Designed AD	Drawn MEC
		Checked JJ	Approved
		Sheet No 3 of 7	
		Drawing No	C03

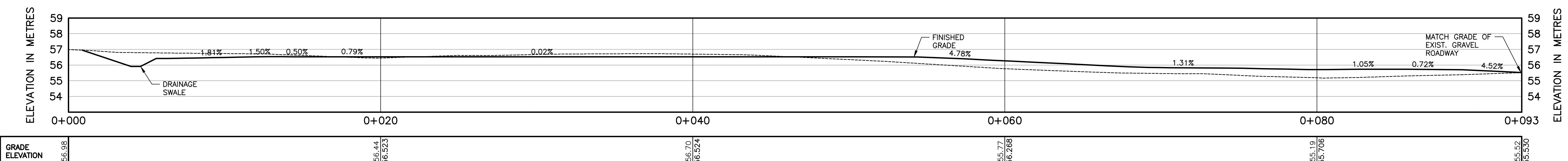






- GENERAL NOTES**
- UNITS ARE IN METRES AND PIPE SIZES ARE GIVEN IN MILLIMETRES UNLESS OTHERWISE STATED. ELEVATIONS ARE IN METRES.
  - COORDINATE SYSTEM USED IS UTM ZONE 20M, NAD83 (CSRS).
  - PROPERTY LINE INFORMATION PROVIDED BY NOVA SCOTIA NATURAL RESOURCE DEPARTMENT AND IS APPROXIMATE ONLY.
  - EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY BASED ON FIELD SURVEYS. THE CONTRACTOR SHALL ARRANGE FOR ON-SITE LOCATES WITH ALL UTILITIES PRIOR TO START OF WORK AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT SAID UTILITIES FROM DAMAGE. DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE OWNER'S SATISFACTION.
  - ALL WORK TO BE DONE IN ACCORDANCE WITH NSRBA STANDARD SPECIFICATIONS FOR MUNICIPAL SERVICES (LATEST EDITION), AND TO THE PROJECT SPECIFICATIONS.
  - ALL DISTURBED SURFACES TO BE REINSTATED AS SHOWN IN DETAILS. EXPOSED SUBGRADES TO BE COVERED WITH STRAW MULCH.
  - GEOTECHNICAL INVESTIGATION WAS PERFORMED BY CONQUEST ENGINEERING AUGUST 28TH, 2017. A GEOTECHNICAL INVESTIGATION REPORT DATED SEPTEMBER 12TH, 2017 IS AVAILABLE BY REQUEST.
  - AN ELECTRONIC COPY OF THE LAYOUT IN AUTOCAD FORMAT WILL BE SUPPLIED TO THE CONTRACTOR. CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND COORDINATES, AND REPORT ANY DISCREPANCIES.
  - GRUBBINGS TO BE REMOVED OFF-SITE. LOCATIONS TO BE DETERMINED BY CONTRACTOR.
  - OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM WORK AND TO COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.

- EROSION AND SEDIMENT CONTROL NOTES**
- CONTRACTOR SHALL BE RESPONSIBLE TO SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN PREPARED BY A CERTIFIED "GREEN CARD" HOLDER TO APPLICABLE AUTHORITIES FOR APPROVAL AND TO MONITOR THE SITE AND MAKE NECESSARY ADJUSTMENTS AS CONDITIONS CHANGE.
  - CONTRACTOR SHALL FOLLOW EROSION AND SEDIMENT CONTROL PROCEDURES OUTLINED IN THE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION SITES, PREPARED BY NOVA SCOTIA ENVIRONMENT.

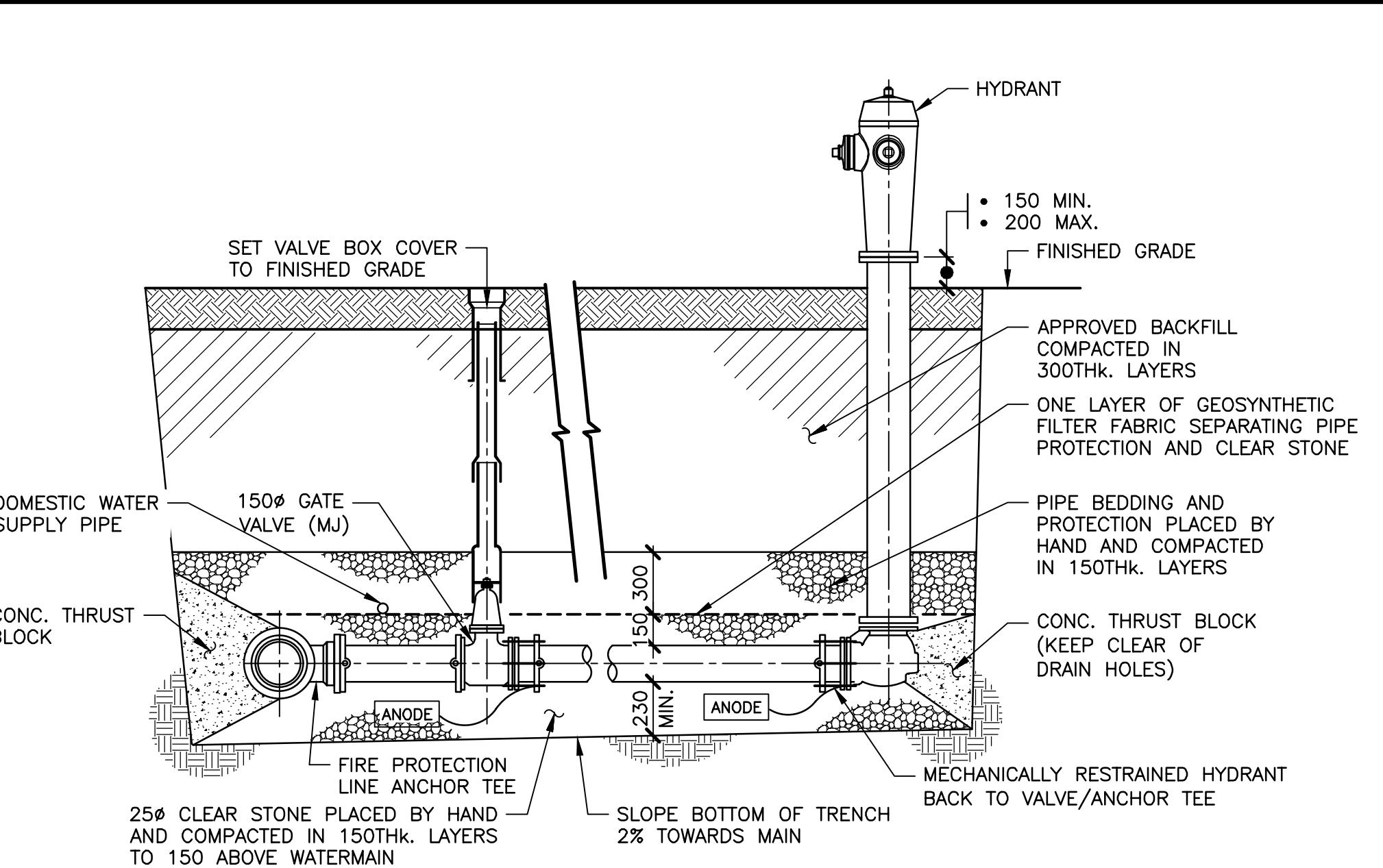


No.	Description	Date	By
Revision or Issue			
AKOMA HOLDINGS INC.			
AKOMA OLD HOME RESTORATION			
CIVIL			
GENERAL DETAILS			
<b>CBCL LIMITED</b> Consulting Engineers			
CBCL No.	Contract No.	Date	Scale
170249.00		SEPT 2017	AS NOTED
Designed AD	Drawn BWM		
Checked JAB	Approved SE		
Sheet No. 5 of 7			
Drawing No. C05			

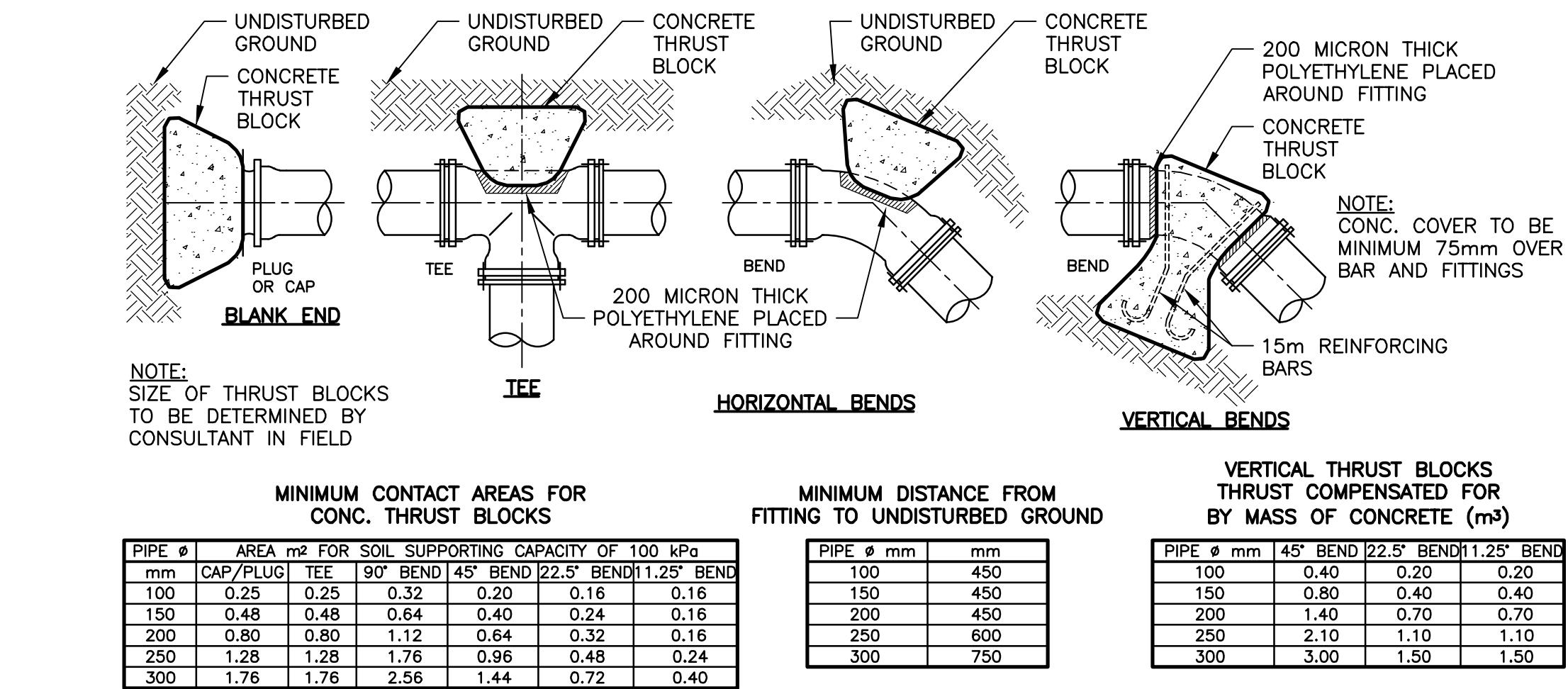
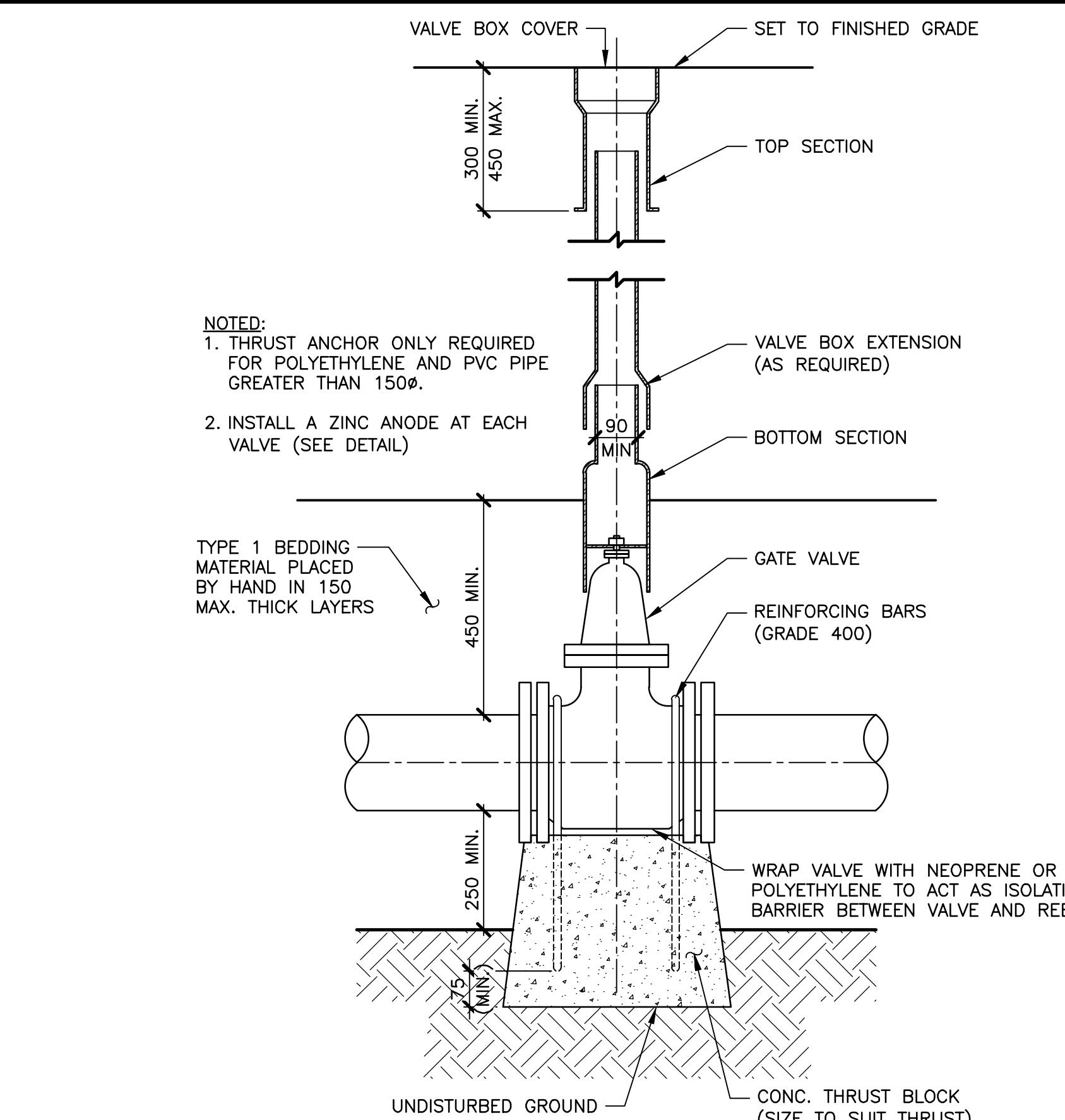
**8 DETAIL - DRAINAGE BERM**  
C05 NTS



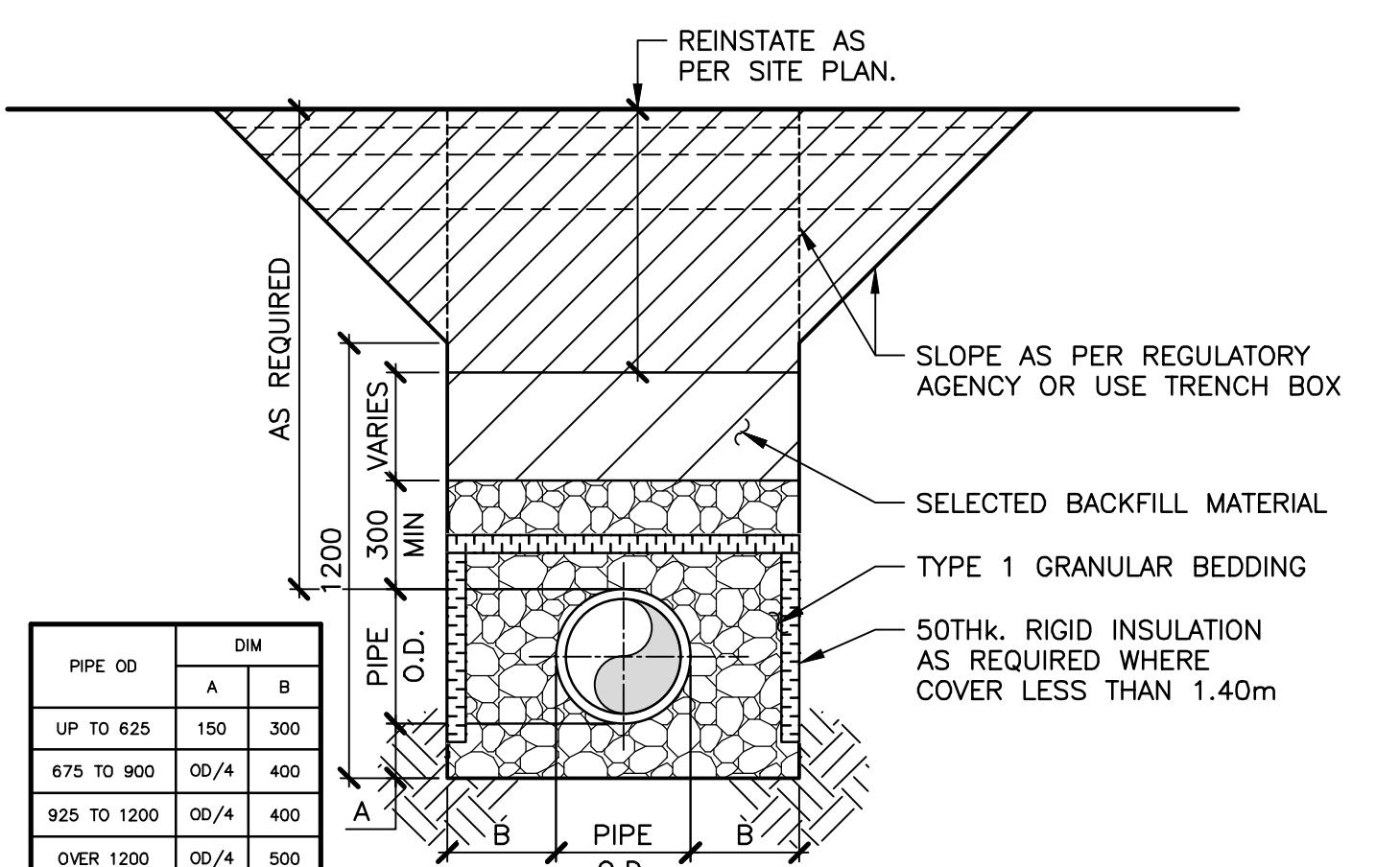
**C05**



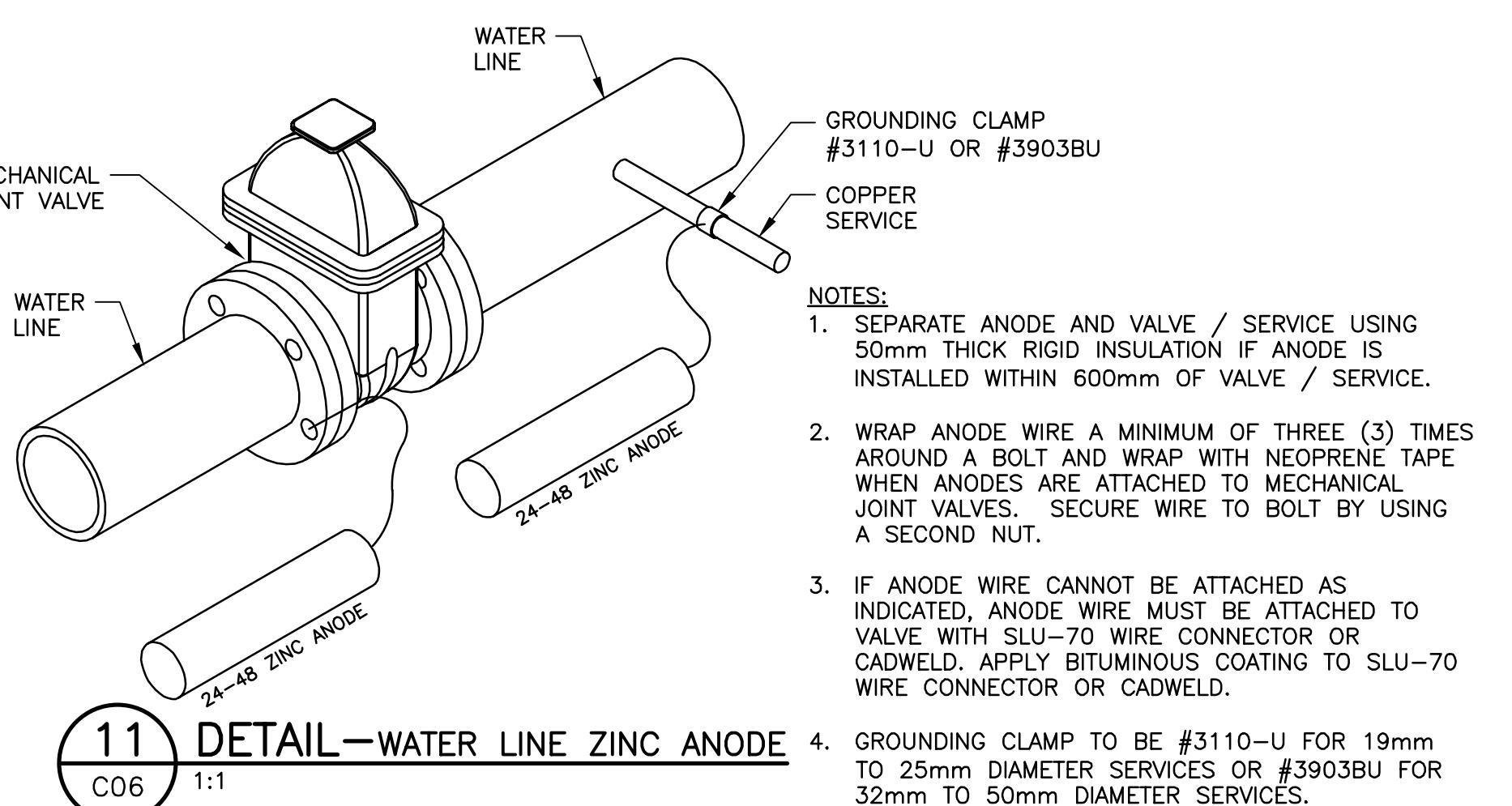
9 DETAIL-TYPICAL HYDRANT  
C06 1:25



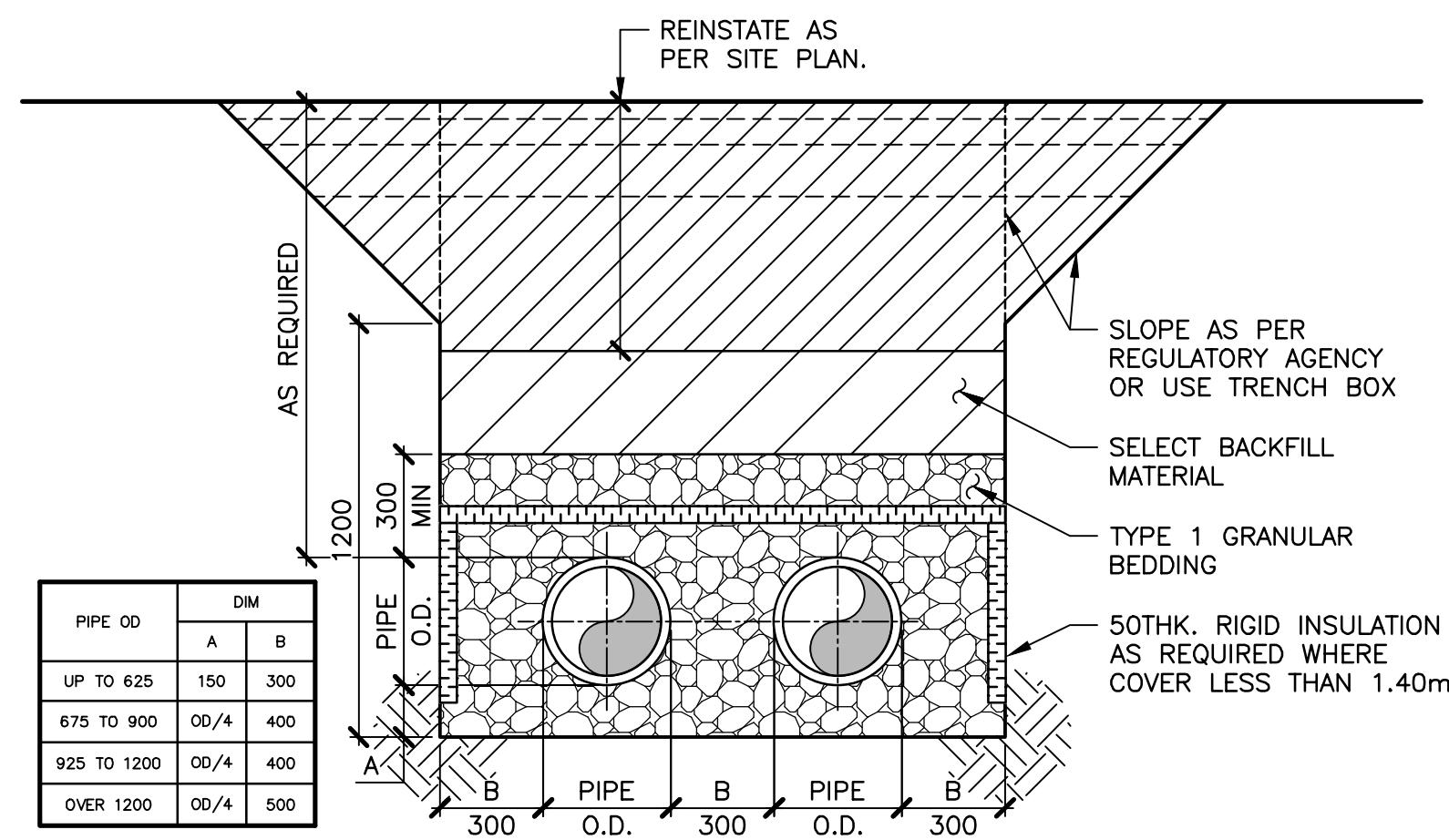
15 DETAIL-CONCRETE THRUST BLOCKS  
C06 1:1



13 DETAIL-TYPICAL PIPE TRENCH  
C06 1:20



11 DETAIL-WATER LINE ZINC ANODE  
C06 1:1



14 DETAIL-TYPICAL TRENCH FOR TWO PIPES  
C06 1:20

6	RE-ISSUED FOR HALIFAX WATER APP	MAR 21/18	SE
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3	ISSUED FOR ADDENDUM #1	OCT 12/17	SE
2	ISSUED FOR TENDER	OCT 03/17	SE
1	ISSUED FOR CLIENT APPROVAL	OCT 01/17	SE
A	ISSUED FOR 90% REVIEW	SEPT 22/17	SE
No.	Description	Date	By

Revision or Issue

AKOMA HOLDINGS INC.

AKOMA OLD HOME RESTORATION

CIVIL

GENERAL DETAILS

**CBCL CBCL LIMITED**

Consulting Engineers

CBCL No. Contract No. Date Scale  
170249.00 2017 SEPT 2017 AS NOTED

Designed AD Drawn BWM

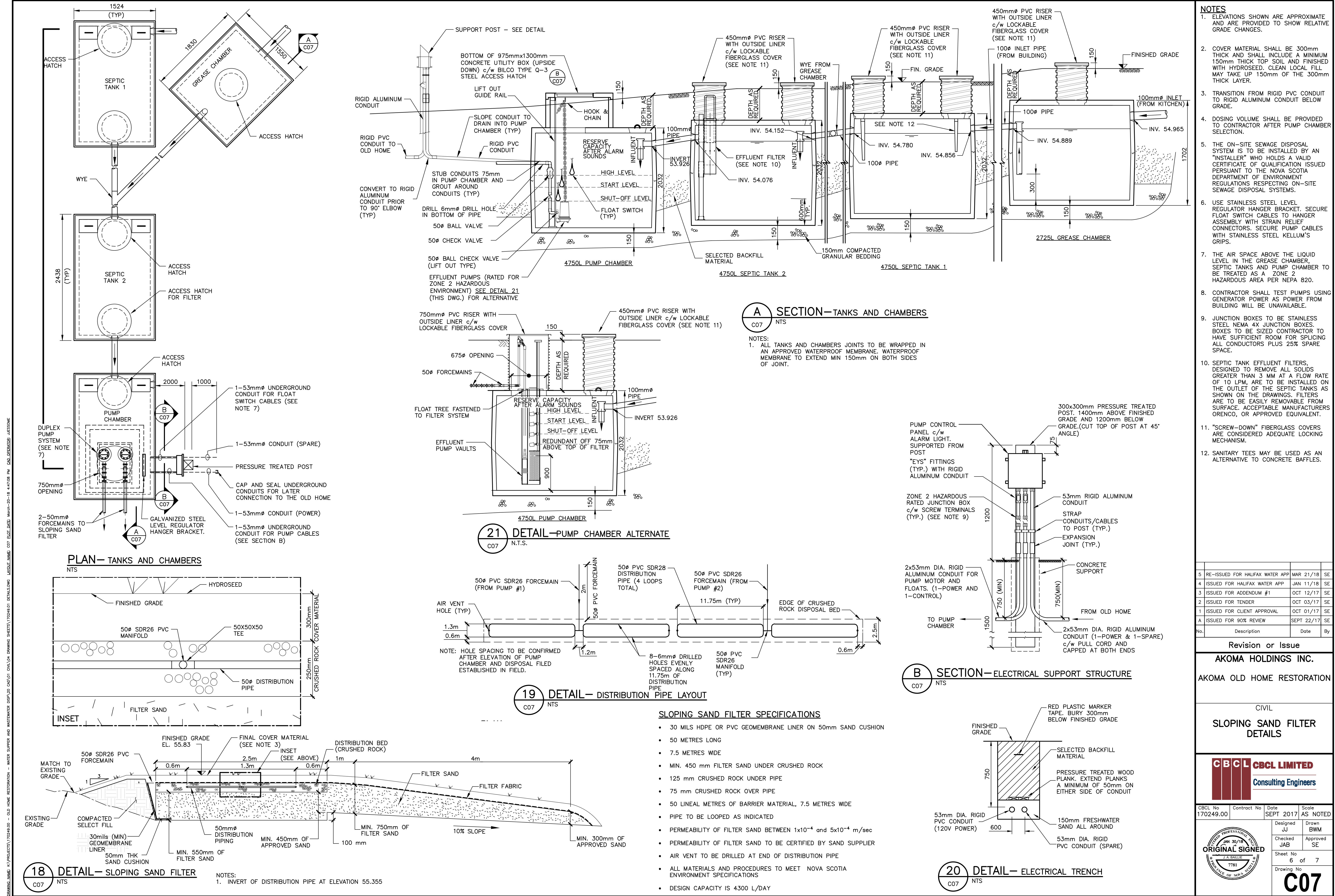
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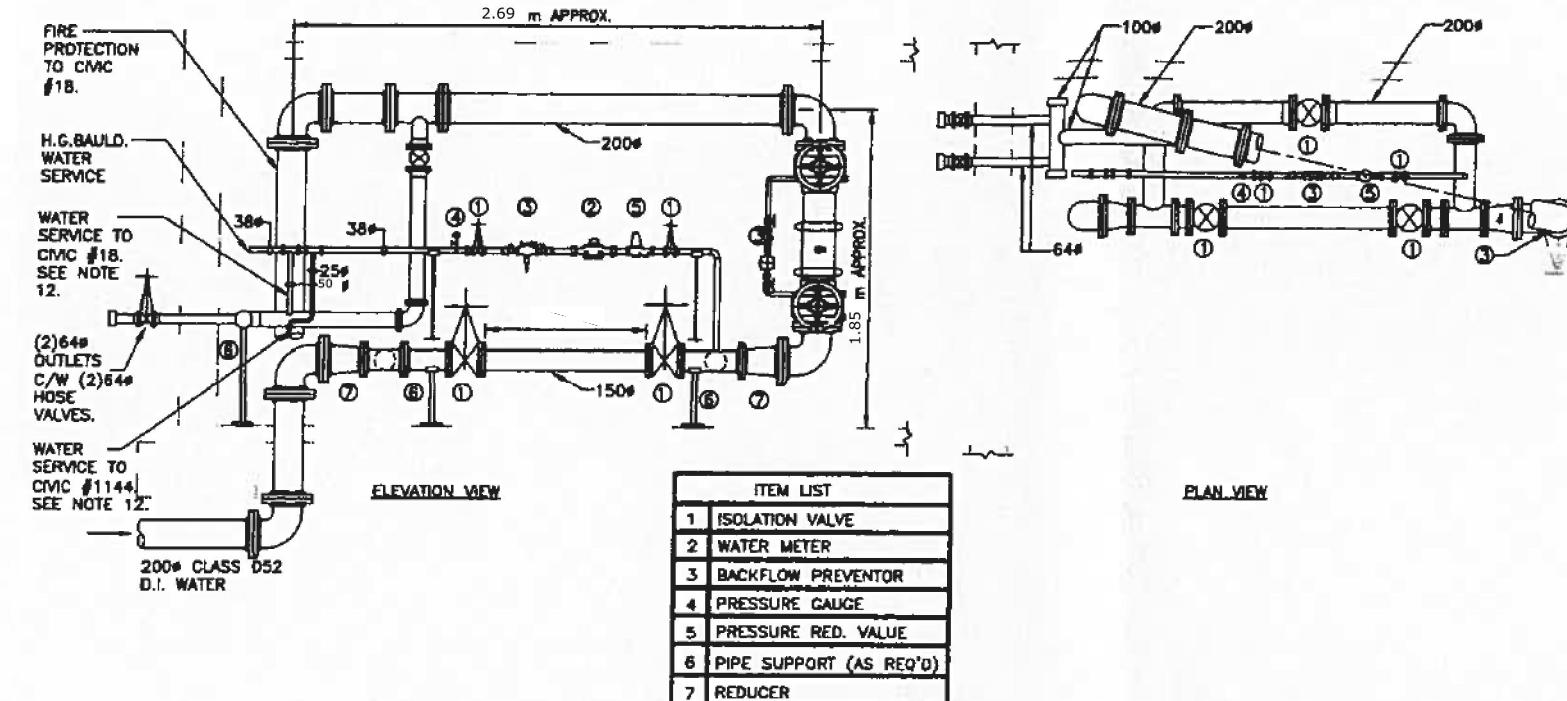
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Drawing No. C06



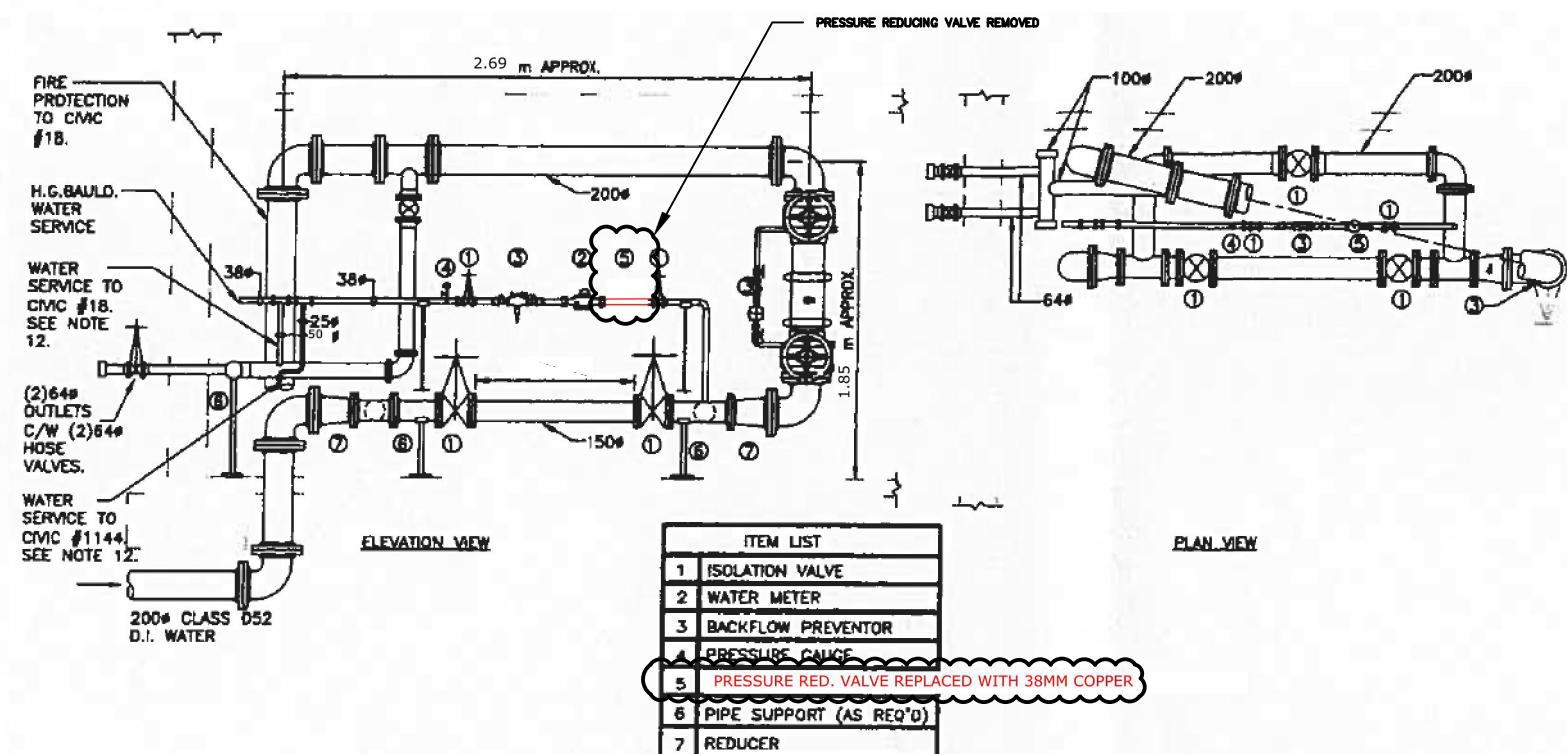
C06





INCOMING DOMESTIC WATER & FIRE PROTECTION DETAIL (CURRENT ARRANGEMENT)

nls



INCOMING DOMESTIC WATER & FIRE PROTECTION DETAIL (NEW ARRANGEMENT)

nls

**NOTE:**  
SKETCH IS A MODIFIED VERSION OF  
DRAWING C-101 SUBMITTED TO HALIFAX  
WATER BY STANTEC DATED 2014-05-06

Date	Scale	Designed	Drawn	Checked	Approved	CBCL No.	Contract
MAR 2018	N.T.S	JJ	MEC			170249.00	
<b>CBCL LIMITED</b> <b>Consulting Engineers</b>		AKOMA OLD HOME RESTORATION					
		NEW METER ARRANGEMENT					