

- NOTES:
- 1) ALL WORKS TO CONFORM TO CURRENT MUNICIPAL AND BC BUILDING & PLUMBING CODE REQUIREMENTS
  - 2) FLOW CONTROL MANHOLE TO BE ACCESSIBLE FOR INSPECTION AND MAINTENANCE
  - 3) MODULAR TANK SYSTEM RECOMMENDED
  - 4) ALL WORKS TO BE CONTAINED ON PRIVATE PROPERTY
  - 5) TANK TO BE INSPECTED AND APPROVED BY THE CITY PLUMBING INSPECTOR PRIOR TO BACKFILL
  - 6) MUNICIPAL SERVICE CONNECTION IS TO BE INSTALLED & VERIFIED PRIOR TO THE INSTALLATION OF THE STORMWATER MANAGEMENT SYSTEM.
  - 7) STORM TANK TO BE LOCATED OUTSIDE OF A 1H:1V LOADING ZONE FROM THE FOOTING OF ANY RETAINING WALL
  - 8) INFILTRATION STORM TANKS TO BE LOCATED MIN 5.0m AWAY FROM BUILDING FOUNDATIONS AND MIN 3.0m FROM SIDE LOT LINES
  - 9) PERIMETER DRAINAGE TO BYPASS TANK AND GO STRAIGHT TO PUMP SYSTEM
  - 10) OVERFLOW NOT TO EXCEED TANK INLET ELEVATION
  - 11) REFER TO STORM TANK MANUFACTURER INSTALLATION GUIDELINES FOR TANK MIN/MAX COVERAGE DEPTHS
  - 12) PUMP SYSTEM TO BE DUPLEX SYSTEM WITH HIGH LEVEL ALARM AND BACK UP POWER
  - 13) PUMP SYSTEM TO BE DESIGNED AND INSPECTED BY A PROFESSIONAL ENGINEER
  - 14) IF THE NATURAL GRADE OF SITE EXCEEDS 20%, INFILTRATION TANKS ARE NOT PERMITTED AND A DETENTION TANK MUST BE UTILIZED. REFER TO CITY OF COQUITLAM STEEP SLOPE MAP FOR DETAILS
  - 16) IF THE GROUNDWATER TABLE IS OBSERVED WITHIN 1.2m OF EXISTING GROUND THE SMP MUST BE DESIGNED BY AN ENGINEER
  - 17) THE CITY MAY REQUIRE DEVELOPMENT PROPONENTS TO PROVIDE CUSTOMIZED STORMWATER MANAGEMENT PLANS DESIGNED BY AN ENGINEER ON A CASE-BY-CASE BASIS TO PROTECT DOWNSTREAM PROPERTIES AND RESOURCES, INCLUDING WATERCOURSES

STORAGE VOLUMES & ORIFICE DIAMETERS

LOT SIZE	MINIMUM STORAGE VOLUME	2-YEAR ORIFICE DIAMETER	10-YEAR ORIFICE DIAMETER
UP TO 500m <sup>2</sup>	5.4m <sup>3</sup>	25mm	40mm
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Benchmark:

Note:  
Contractor to contact Telus, BC Hydro, FortisBC and BC one call prior to construction to confirm locations of utilities and appurtenances requiring adjustment.

Plot Date: May 6, 2025

3	2025-03-25	D.J.C	ISSUED FOR REVIEW
2	2025-03-13	D.J.C	ISSUED FOR REVIEW
1	11-03-2024	D.J.C	ISSUED FOR REVIEW
No.	Date	By	Revisions

ACCEPTED FOR CONSTRUCTION Date: \_\_\_\_\_

Manager of Development Servicing

**Coquitlam**

Engineering & Public Works

3000 Guildford Way, Coquitlam, B.C. V3B 7N2

PERMIT TO PRACTICE

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

PERMIT NUMBER: \_\_\_\_\_

The Association of Professional Engineers and Geoscientists of British Columbia

Seal:

Design by	Date	Scale
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Eng. Project No.		
Approved by	Date	

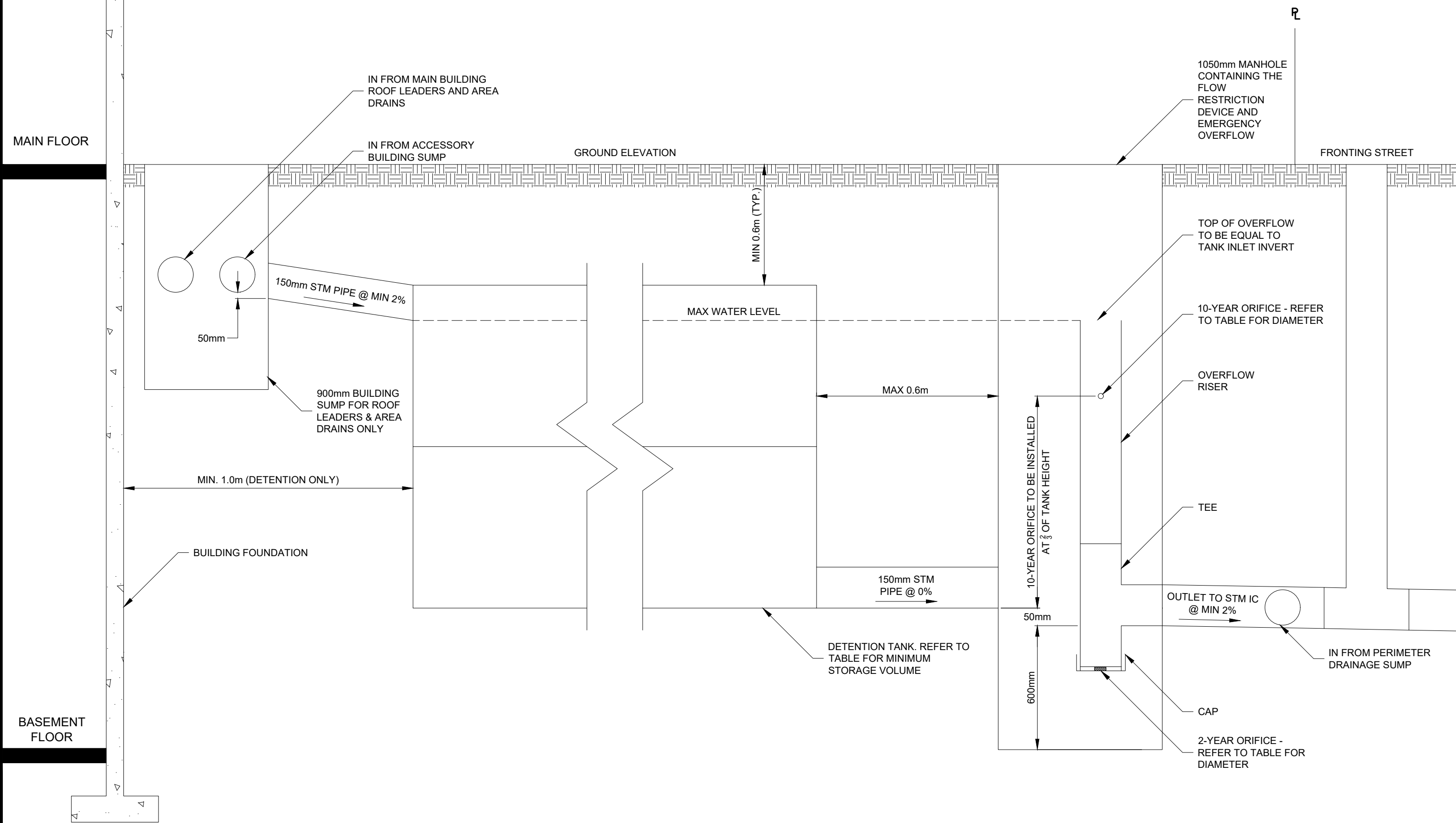
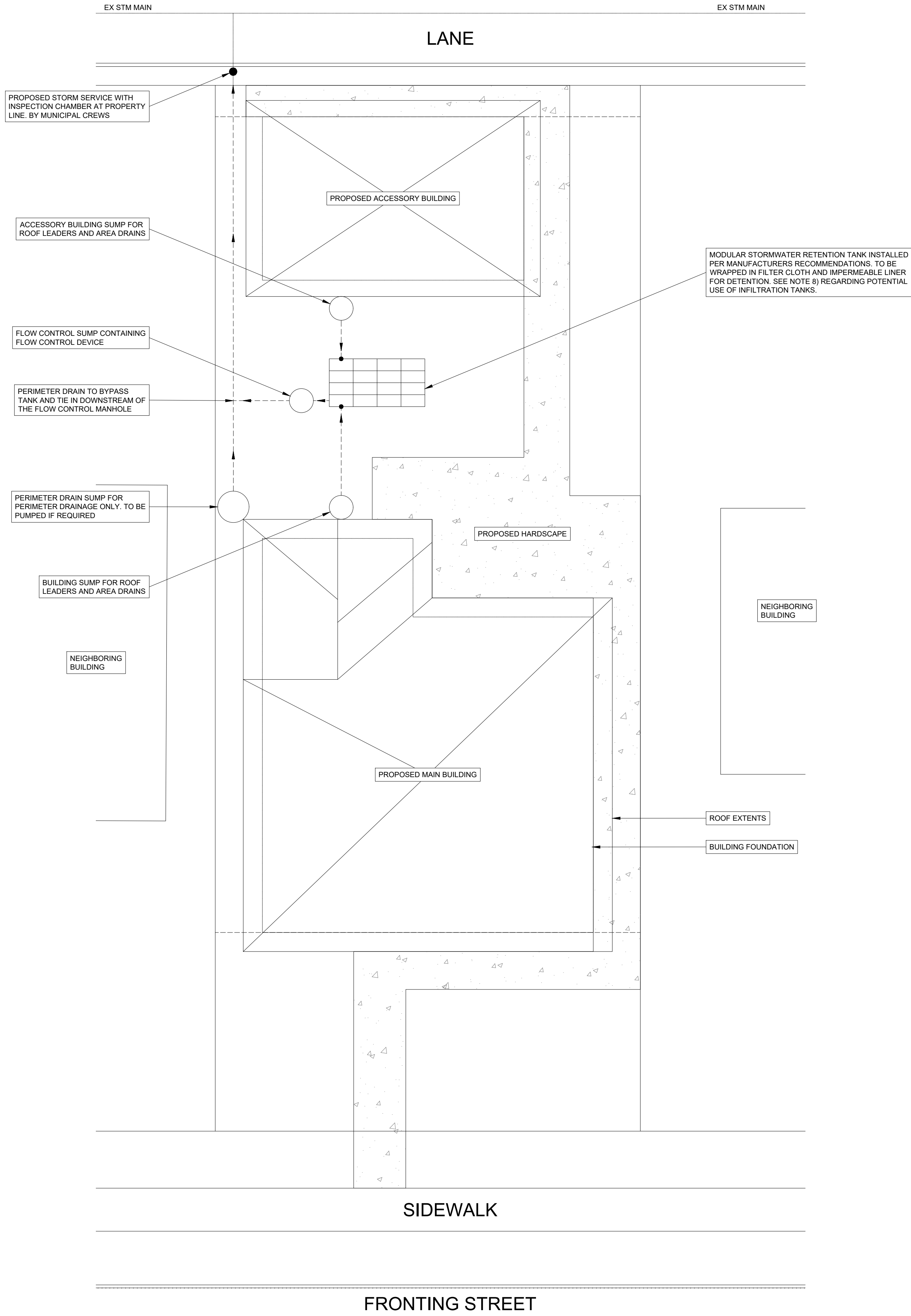
Project

**TYPICAL STORMWATER SYSTEM LOW DENSITY RESIDENTIAL**

Description

**STREET SIDE SERVICE - PUMPED**

File: TYPICAL STORMWATER SYSTEM LAYOUTS



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  - 9) INFILTRATION STORM TANKS TO BE LOCATED MIN 5.0m AWAY FROM BUILDING FOUNDATIONS AND MIN 3.0m FROM SIDE LOT LINES
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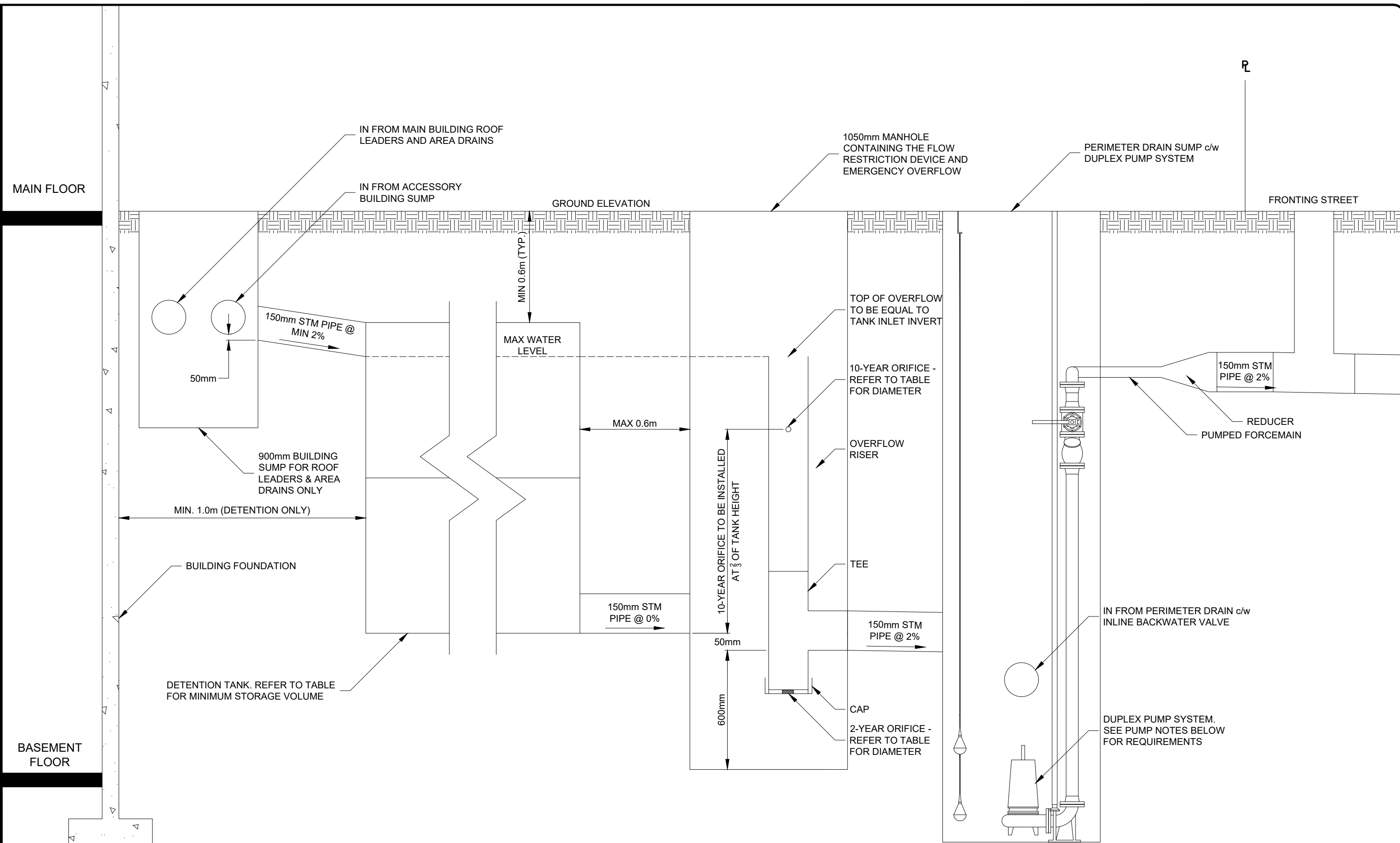
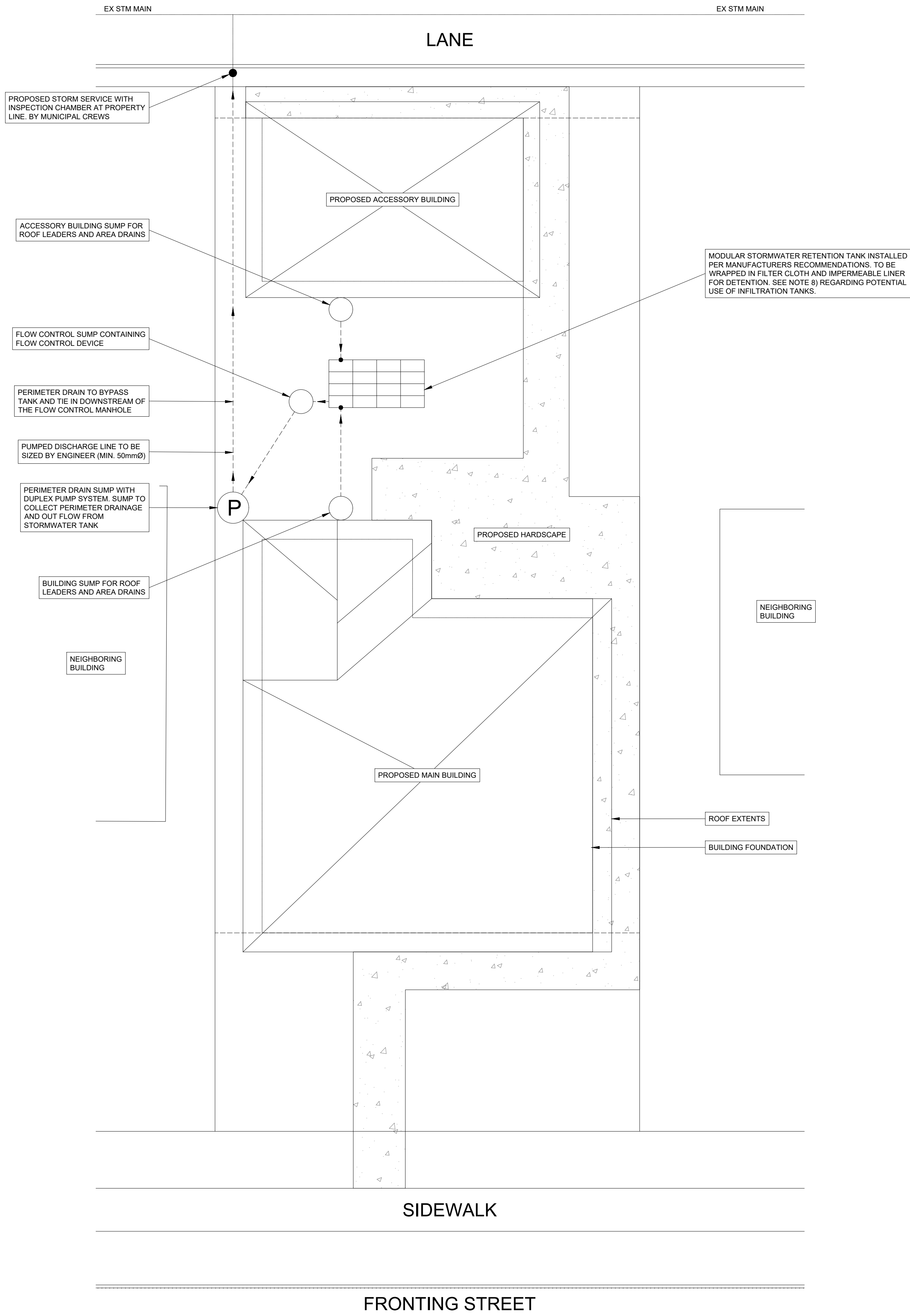
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**TYPICAL STORMWATER SYSTEM LOW DENSITY RESIDENTIAL**

Description

**LANE SIDE SERVICE - GRAVITY**

File: TYPICAL STORMWATER SYSTEM LAYOUTS



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**TYPICAL STORMWATER SYSTEM  
LOW DENSITY RESIDENTIAL**

Description

**LANE SIDE SERVICE - PUMPED**

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