



METRIC  
ALL DIMENSIONS AND ELEVATIONS ARE  
IN METRES UNLESS OTHERWISE SHOWN

LEGEND

- RLCB.1 CATCHBASIN
- MH.1 STORM MANHOLE
- MH.1A SANITARY MANHOLE
- EX. VALVED HYDRANT
- WATER SERVICE CONNECTION
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- LIMIT OF PROPOSED DEVELOPMENT
- PC.1 PIPE CROSSINGS

NOTES:

**WATERMAIN**

1. ALL WATERMAIN PIPES SHALL BE P.V.C. PRESSURE CLASS 235, DR 18.
2. STRAIGHT SECTIONS OF P.V.C. SHALL BE FUSION WELDED.
3. WATERMANS SHALL BE INSTALLED WITH MINIMUM DEPTH OF COVERAGE OF 1.7m WITH A MINIMUM CLEARANCE OF 0.5m BETWEEN THE INVERT OF WATER AND CROWN OF SEWERS (STORM AND SANITARY). LOCATIONS OF PIPE DIVERSIONS HAVE BEEN SPECIFIED AT CRITICAL PIPE CROSSINGS (PC.15 AND PC.34) AND WATERMAIN SHALL BE ENCASED WITH 15 MPa CONCRETE.
4. PIPES SHALL BE INSTALLED WITH A HORIZONTAL FACE-TO-FACE SEPARATION OF 2.5m EXCEPT AT CROSSINGS AS SHOWN WHERE THE VERTICAL CLEARANCE GOVERNS.

**SANITARY**

5. ALL SANITARY PIPES SHALL BE MADE OF P.V.C.
6. ALL SANITARY MAINTENANCE HOLES SHALL BE DESIGNED IN ACCORDANCE WITH STANDARD O.P.S.D. 701.021 AND SHALL BE MADE OF PRECAST CONCRETE ACCORDING TO O.P.S.D. 701.010 (1200mm).

**STORM**

7. ALL STORM SEWER PIPES SHALL BE P.V.C. FOR PIPES SMALLER THAN 450mm DIAMETER.
8. ALL STORM SEWER PIPES SHALL BE CONCRETE FOR PIPES 450mm DIAMETER AND GREATER.
9. NEAR-LOT CATCHBASINS (RLCB) SHALL BE BUILT ACCORDING TO O.P.S.D. 705.010 AND CONNECTED TO MAINTENANCE HOLES WITH CATCHBASIN LEADS AS SPECIFIED.
10. ALL STORM MAINTENANCE HOLES SHALL BE DESIGNED IN ACCORDANCE WITH STANDARD O.P.S.D. 701.021 AND SHALL BE MADE OF PRECAST CONCRETE ACCORDING TO O.P.S.D. 701.010 (1200mm), UNLESS OTHERWISE NOTED.

**SEWERS**

11. PROPOSED MAINTENANCE HOLES SHALL BE INSTALLED WITH MINIMUM CLEARANCE OF 1.5m FROM CURBS AND OTHER MAINTENANCE HOLES.
12. PIPES SHALL BE INSTALLED WITH MINIMUM DEPTH OF COVERAGE OF 1.5m TO THE CROWN, AT SHALLOWER DEPTHS, FROST PROTECTION (FP) SHALL BE PROVIDED AS SPECIFIED.
13. MAINTENANCE HOLES DROP STRUCTURES TO BE DESIGNED ACCORDING TO STANDARDS OF O.P.S.D. T-1003.010 TYPE "C" OR O.P.S.D. WYE-1003.020 WITH DIRECTIONS AS SPECIFIED.
14. MAINTENANCE HOLES SHALL HAVE WATER TIGHT (WT) LIDS AS SPECIFIED IN SAG LOCATIONS.
15. SAFETY GRATINGS (SG) SHALL BE INSTALLED IN MAINTENANCE HOLES GREATER THAN 5m DEEP WITH CENTERLINE LOCATED AT MID-HEIGHT AS SPECIFIED.

**PROJECT STATISTICS:**

UNDERGROUND SERVICES	
PROP. STORM SEWER LENGTH	= ±1872.3m
PROP. SANITARY SEWER LENGTH	= ±1378.0m
PROP. WATERMAIN LENGTH	= ±1446.0m
NUMBER OF PROP. STORM MANHOLES	= 35
NUMBER OF PROP. SANITARY MANHOLES	= 19
NUMBER OF PROP. HYDRANTS	= 16
NUMBER OF PROP. SERVICE PIPES	= 90

NO.	REVISION	BY	DATE
3			
2	STORM DESIGN SUBMISSION	R.L.	11 APR 2023
1	SANITARY DESIGN SUBMISSION	N.Z.	17 MAR 2023
0	WATER DESIGN SUBMISSION	N.Z.	17 FEB 2023

CLIENT: **fabian papa & partners**  
A Division of FP&P HydroTek Inc.  
216 Christie Road, Suite 204  
Vaughan, Ontario, L4L 8S5  
T: 905-264-2420  
www.fabianpapa.com

MUNICIPALITY: **ADAMSVILLE ENGINEERING AND CONSTRUCTION SERVICES**

PROJECT NAME: **ADAMSVILLE VILLAGE DRAFT PLAN SUBDIVISION**

DRAWING TITLE: **GENERAL PLAN**

OWN. BY:	R.L.
DESIGNED BY:	R.L.
CHECKED BY:	N.Z.
SCALE:	1:500
DATE:	APRIL 2023
SHEET NO:	1 OF 4

PROJECT NO.	DWG NO.	REV. NO.
23001	GP-1	0