

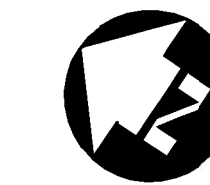


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2	19/08/2021	RE-ISSUED FOR SITE PLAN CONTROL APPLICATION AND ZONING BY-LAW AMENDMENT	CDP, DS
1	12/02/2021	SPA / ZBA SUBMISSION	CDP
#	date:	revision:	by:



Arch Corp - Orleans

1161 OLD MONTREAL RD, ORLEANS ON, K4A 3N6

SITE SERVICING PLAN

scale: 1:250
 drawn by: DS
 reviewed by: CDP
 job number: 21-2647
 plot date: September 14, 2022
 drawing number:

CIV-1

LEGEND:

- WATER VALVE
- FIRE HYDRANT
- CATCH BASIN
- MANHOLE
- CATCHBASIN MANHOLE
- WATER QUALITY UNIT

SANITARY SEWER INVERTS

MH-A - 1200 DIA FRAME S25/COVER S24
 EX. S INV. 61.567m
 SE INV. 63.08m
 RIM ELEV. 67.00m

SERVICE STUB
 12m-200mm DIA. PVC BUILDING SANITARY SERVICE AT 2.0% INV. 63.00m

STORM SEWER INVERTS

EXISTING MH
 EX SW INV. 63.268m (OUTLET)
 NE INV. 63.56
 SE INV. 63.56
 RIM ELEV. 67.18

WQU1 UNIT - FD-4C
 1200mm DIA
 F INV. 63.86m
 NW INV. 63.86m
 RIM ELEV. 67.37m

MH 1 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 65.07
 NE INV. 64.93
 SE INV. 64.93m
 RIM ELEV. 66.50m

MH 2 - 1200mm DIA FRAME S25/COVER S24.1
 SW INV. 65.35m
 NW INV. 65.87m
 SE INV. 64.72m
 RIM ELEV. 67.15m

MH 3 - 1800mm DIA FRAME S25/COVER S24.1
 NW INV. 64.37m
 SW INV. 64.27m
 RIM ELEV. 67.35m

MH 4 - 1800mm DIA FRAME S25/COVER S24.1
 NE INV. 64.04
 NW INV. 63.89m
 SE INV. 63.89m
 RIM ELEV. 67.42m

MH 5 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 63.91m
 NW INV. 63.91m
 SE INV. 63.91
 RIM ELEV. 67.28m

MH 6 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 64.10m
 SE INV. 64.10m
 RIM ELEV. 66.25m

MH 7 - 1200mm DIA FRAME S25/COVER S24.1
 NE INV. 64.27
 NE INV. 64.12
 SE INV. 64.12
 RIM ELEV. 65.70

MH 8 - 1200mm DIA FRAME S25/COVER S24.1
 NE INV. 64.99m
 RIM ELEV. 66.55m

MH 9 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 63.79m
 SE INV. 63.79m
 RIM ELEV. 67.20m
 190mm ORIFICE PLATE ON DOWNSTREAM SEWER

MH 10 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.00m
 NE INV. 66.00m
 RIM ELEV. 67.20m

MH 11 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.05m
 RIM ELEV. 67.25m

MH 12 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 65.90m
 NW INV. 65.90m
 RIM ELEV. 67.00m

MH 13 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 65.80m
 NW INV. 65.80m
 RIM ELEV. 67.00m

MH 14 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 15 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 16 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 17 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 18 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 19 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 20 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

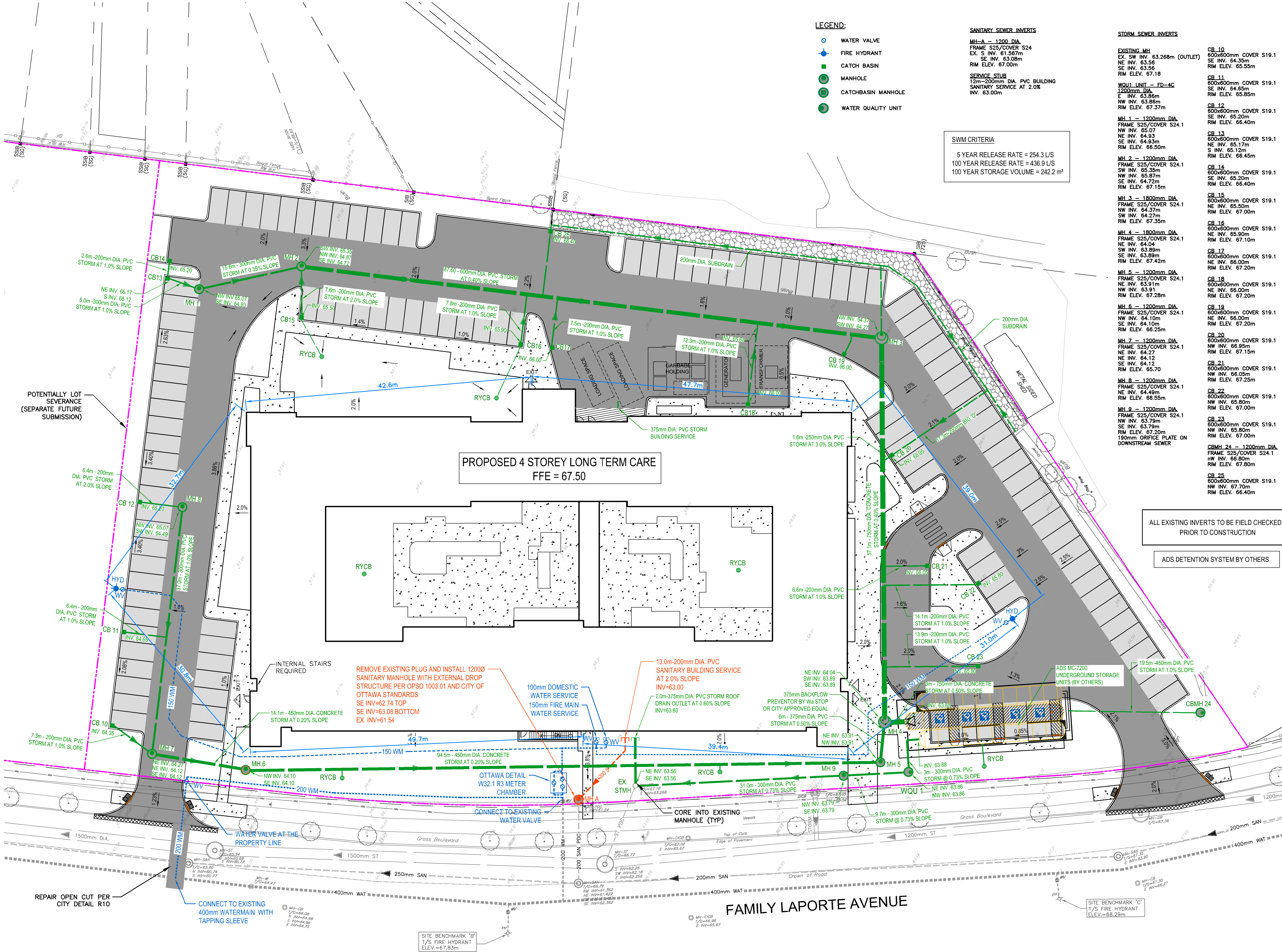
MH 21 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 22 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 23 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

MH 24 - 1200mm DIA FRAME S25/COVER S24.1
 NW INV. 66.80m
 NW INV. 67.70m
 RIM ELEV. 66.40m

SWM CRITERIA
 5 YEAR RELEASE RATE = 254.3 L/S
 100 YEAR RELEASE RATE = 436.9 L/S
 100 YEAR STORAGE VOLUME = 242.2 m³



PROPOSED 4 STOREY LONG TERM CARE
FFE = 67.50

ALL EXISTING INVERTS TO BE FIELD CHECKED PRIOR TO CONSTRUCTION

ADS DETENTION SYSTEM BY OTHERS

REMOVE EXISTING PLUG AND INSTALL 1200Ø SANITARY MANHOLE WITH EXTERNAL DROP STRUCTURE PER OPSD 1003.01 AND CITY OF OTTAWA STANDARDS
 SE INV=62.74 TOP
 SE INV=63.08 BOTTOM
 EX. INV=61.54

13.0m-200mm DIA. PVC SANITARY BUILDING SERVICE AT 2.0% SLOPE INV=63.00

7.0m-375mm DIA. PVC STORM ROOF DRAIN OUTLET AT 0.60% SLOPE INV=63.80

375mm BACKFLOW PREVENTOR BY Wa STOP OR CITY APPROVED EQUAL
 6m - 375mm DIA. PVC STORM AT 0.50% SLOPE

ADS MC-7200 UNDERGROUND STORAGE UNITS (BY OTHERS)

19.5m-450mm DIA. PVC STORM AT 1.0% SLOPE

FILENAME: C:\P\WORKING DIRECTORIES\PROJECTS\2021_2025\DWISSER\212647_00-CHK-COM-PWC PLOT DATE: 2022-09-14 @ 9:57:26 AM PLOT SCALE: 1:1 PLOT STYLE: DILLON-STANDARD.CB