STORM SEWER INVERTS

EXISTING DICB
NE INV. AT OUTLET – 65.52m
NW INV. 65.52
NE INV. 65.52
RIM ELEV. 67.05

WQU1 UNIT
INV. 65.54m
NW INV. 65.54m
RIM ELEV. 67.37m

MH2 – 1200mm DIA.
NW INV. 65.67m
SW INV. 65.67m
RIM ELEV. 67.39m

MH3 – 1200mm DIA.
NW INV. 65.69m
WE INV. 65.69m
RIM ELEV. 67.34m

MH4 – 1200mm DIA.
SW INV. 68.82m
SE INV. 65.82m
RIM ELEV. 67.43m

MH5 – 1200mm DIA.
NE INV. 65.90m
RIM ELEV. 67.10m

MH6 – 1200mm DIA.
NE INV. 65.69m
SW INV. 65.75m
RIM ELEV. 67.52m

CBMH7 – 1200mm DIA.
NE INV. 65.86m
RIM ELEV. 67.00m

MH8 – 1200mm DIA.
NE INV. 65.55m
SW INV. 65.55m
RIM ELEV. 67.26m

MH9 – 1200mm DIA.
NE INV. 65.69m
SW INV. 65.69m
RIM ELEV. 66.50m

CBMH10 – 1200mm DIA.
NE INV. 65.75m
RIM ELEV. 66.30m

CB11 – 600x600mm.
SW INV. 65.95m
RIM ELEV. 67.00m

CB12 – 600x600mm.
NE INV. 65.90m
RIM ELEV. 67.00m

CB13 – 600x600mm.
NE INV. 65.80m
RIM ELEV. 67.00m

CB14 – 600x600mm.
NE INV. 65.75m
RIM ELEV. 67.00m

CB15 – 600x600mm.
NE INV. 65.90m
RIM ELEV. 67.00m

CB16 – 600x600mm.
NE INV. 65.90m
RIM ELEV. 67.00m

CB17 – 600x600mm.
NE INV. 66.00m
RIM ELEV. 67.25m

SANITARY SEWER INVERTS

EXISTING SANITARY MANHOLE
S INV.63.28m

SERVICE STUB
7.2m – 200mm DIA. PVC BUILDING SANITARY SERVICE AT 0.5%
INV. 63.334m

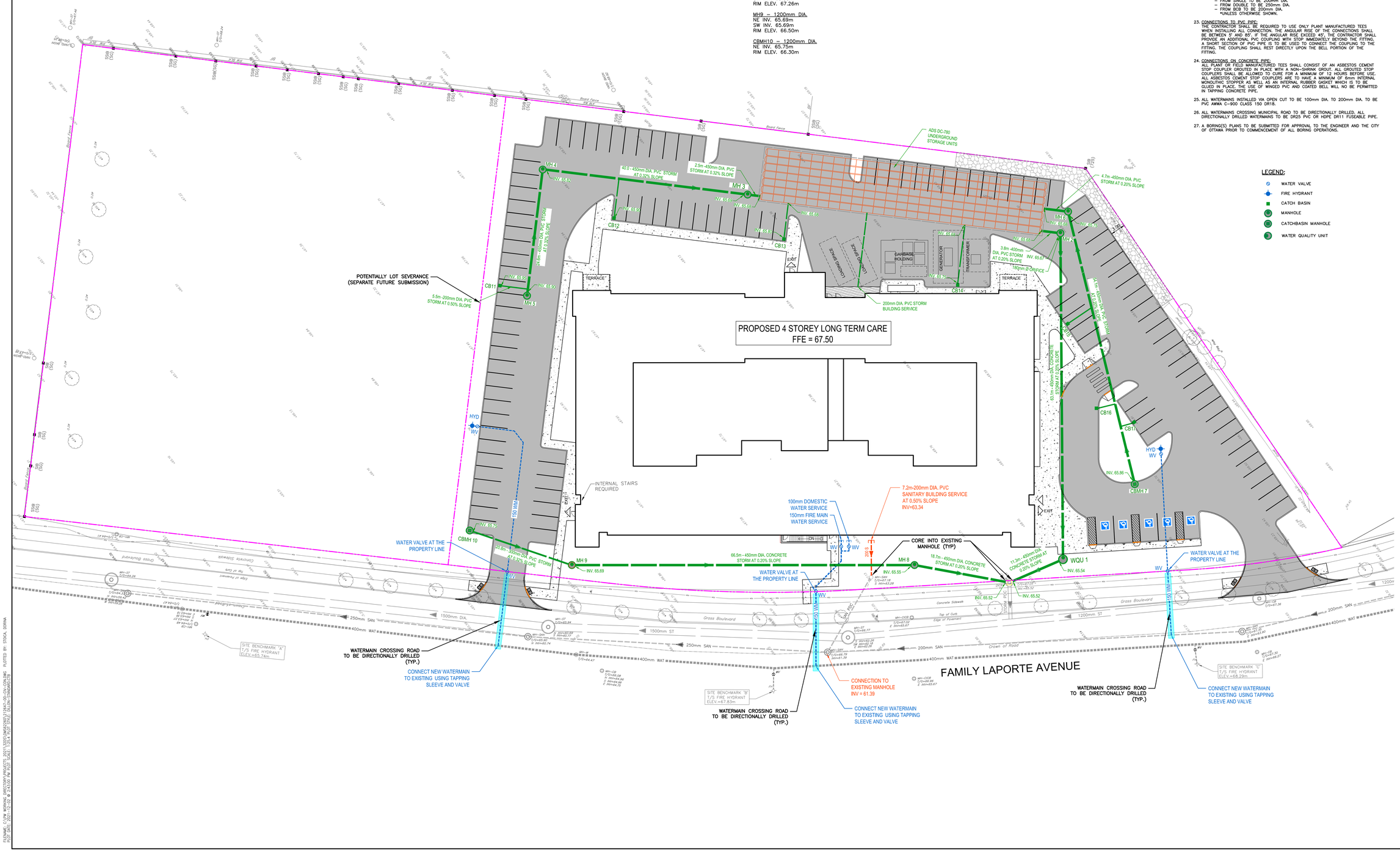
ALL EXISTING INVERTS TO BE FIELD CHECKED PRIOR TO CONSTRUCTION

GENERAL UTILITY NOTES:

1. THE OWNER AND DILLON CONSULTING LIMITED DO NOT GUARANTEE THE ACCURACY OF THE UTILITIES SHOWN ON THE DRAWINGS. OTHER UTILITIES MAY BE PRESENT OR THE UTILITIES SHOWN MAY DIFFER IN SIZE OR LOCATION FROM THOSE SHOWN. THE CONTRACTOR SHALL NOTE THAT SERVICES FROM THE MAIN LINES ARE NOT SHOWN. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES AND TO REPAIR ANY DAMAGE IT MAY CAUSE TO THESE UTILITIES OR TO OTHER THIRD PARTIES. THE CONTRACTOR AGREES TO INDEMNIFY THE OWNER AND DILLON CONSULTING LIMITED AGAINST ANY CLAIMS WHICH MAY ARISE FROM THE CONTRACTOR'S ACTIONS.
2. ALL WORKS SHALL COMPLY WITH THE CITY OF OTTAWA OR OPS STANDARDS.
3. DIMENSIONS AND/OR COORDINATES ARE TO BACK OF CURB, OUTSIDE FACE OF BUILDING, EDGE OF PAVEMENT OR CENTER OF STRUCTURE.
4. ALL NEW WATER, STORM & SANITARY SEWER SERVICES TO BE INSTALLED TO 1.5m FROM THE BUILDING FACE AND CAPPED.
5. MINIMUM SLOPE FOR STORM SEWER SERVICES TO BE 1% UNLESS NOTED OTHERWISE.
6. CONTRACTOR TO USE "T–WYE" CONNECTIONS WHEN CONNECTING CATCHBASIN LEADS TO THE MAINLINE SEWER.
7. ALL WATERMAINS AND SERVICES TO HAVE A MINIMUM OF 1.80m OF COVER.
8. INSTALL RAIN CATCHERS ON ALL SANITARY MANHOLES.
9. ALL EXISTING TREES AND VEGETATION TO BE REMOVED PRIOR TO CONSTRUCTION.
10. ALL WORK WITHIN FAMILY LAPORTE AVENUE RIGHT–OF–WAY AND/OR ON CITY OF OTTAWA WATERMAINS TO BE COMPLETED IN THE PRESENCE OF MUNICIPAL STAFF OR INSPECTOR.
11. ALL DISTURBED AREAS WITHIN FAMILY LAPORTE AVENUE EXISTING RIGHT–OF–WAY TO BE RESTORED TO EXISTING OR BETTER CONDITION.
12. ALL RESTORATIONS PER THE LANDSCAPING PLAN.
13. ALL WORKS TO BE CONSTRUCTED TO A TOLERANCE OF 5mm±.
14. ALL DIMENSIONS AND RADII ATE TO CONSTRUCTION BASELINE OR EDGE OF PAVEMENT.
15. SEWER BEDDING TO BE CLASS 'B' (EXCEPT CLASS 'A' TO FIRST PIPE JOINT OUTSIDE OF MAIN FOR RIGID PIPE).
16. BACKFILL OF SEWER AND UTILITY TRENCHES SHALL BE IN ACCORDANCE WITH "SPECIFICATIONS FOR USE OF GRANULAR 'B', TYPE 1 AGGREGATE".
17. ALL SANITARY SEWER ARE TO BE PVC DR–35 UNLESS NOTED OTHERWISE.
18. ALL STORM SEWERS 375mm DIA. OR SMALLER TO BE PVC DR–35. ALL STORM SEWERS 450mm OR LARGER TO BE CONCRETE A257.2 65–D UNLESS SHOWN OTHERWISE ON PLANS OR SPECIFICATIONS.
19. ALL CATCH BASINS LEADS TO BE PVC DR–35 AND DIAMETER OF LEADS:
    – FROM SINGLE TO BE 200mm DIA.
    – FROM DOUBLE TO BE 250mm DIA.
    – FROM BCB TO BE 200mm DIA.
    *UNLESS OTHERWISE SHOWN.
23. CONNECTIONS TO PVC PIPE:
    THE CONTRACTOR SHALL BE REQUIRED TO USE ONLY PLANT MANUFACTURED TEES WHEN INSTALLING ALL CONNECTION. THE ANGULAR RISE OF THE CONNECTIONS SHALL BE BETWEEN 5° AND 85°. IF THE ANGULAR RISE EXCEED 45°, THE CONTRACTOR SHALL PROVIDE AN ADDITIONAL PVC COUPLING WITH STOP IMMEDIATELY BEYOND THE FITTING. A SHORT SECTION OF PVC PIPE IS TO BE USED TO CONNECT THE COUPLING TO THE FITTING. THE COUPLING SHALL REST DIRECTLY UPON THE BELL PORTION OF THE FITTING.
24. CONNECTIONS ON CONCRETE PIPE:
    ALL PLANT OR FIELD MANUFACTURED TEES SHALL CONSIST OF AN ASBESTOS CEMENT STOP COUPLER GROUTED IN PLACE WITH A NON–SHRINK GROUT. ALL GROUTED STOP COUPLERS SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 12 HOURS BEFORE USE. ALL ASBESTOS CEMENT STOP COUPLERS ARE TO HAVE A MINIMUM OF 6mm INTERNAL MONOLITHIC STOPPER AS WELL AS AN INTERNAL RUBBER GASKET WHICH IS TO BE GLUED IN PLACE. THE USE OF WINGED PVC AND COATED BELL WILL NO BE PERMITTED IN TAPPING CONCRETE PIPE.
25. ALL WATERMAINS INSTALLED VIA OPEN CUT TO BE 100mm DIA. TO 200mm DIA. TO BE PVC AWWA C–900 CLASS 150 DR18.
26. ALL WATERMAINS CROSSING MUNICIPAL ROAD TO BE DIRECTIONALLY DRILLED. ALL DIRECTIONALLY DRILLED WATERMAINS TO BE DR25 PVC OR HDPE DR11 FUSEABLE PIPE.
27. A BORING(S) PLANS TO BE SUBMITTED FOR APPROVAL TO THE ENGINEER AND THE CITY OF OTTAWA PRIOR TO COMMENCEMENT OF ALL BORING OPERATIONS.

LEGEND:

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



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#	date:	revision:	by:
1	12/02/2021	SPA / ZBA SUBMISSION	CDP

revisions

LICENSED PROFESSIONAL ENGINEER C.D. PATTEN 100083837 02 DEC 21 PROVINCE OF ONTARIO

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Arch Corp - LTC ORLEANS

FAMILY LAPORTE AVENUE
OTTAWA, ON

SITE SERVICING PLAN

scale:	1 : 250
drawn by:	DS
reviewed by:	CDP
job number:	21-2647
plot date:	December 02, 2021

drawing number:

CIV-1

FILENAME: C:\ON WORKING DIRECTORY\PROJECTS 2021\13253\DRG\21-13253-CIV-01.DWG PLOTTED BY: DSOUZA, DIONNA
PLOT DATE: 2021-12-02 @ 2:43:00 PM PLOT SCALE: 1:254.5 PLOT STYLE: DILLON-STANDARD.CTB