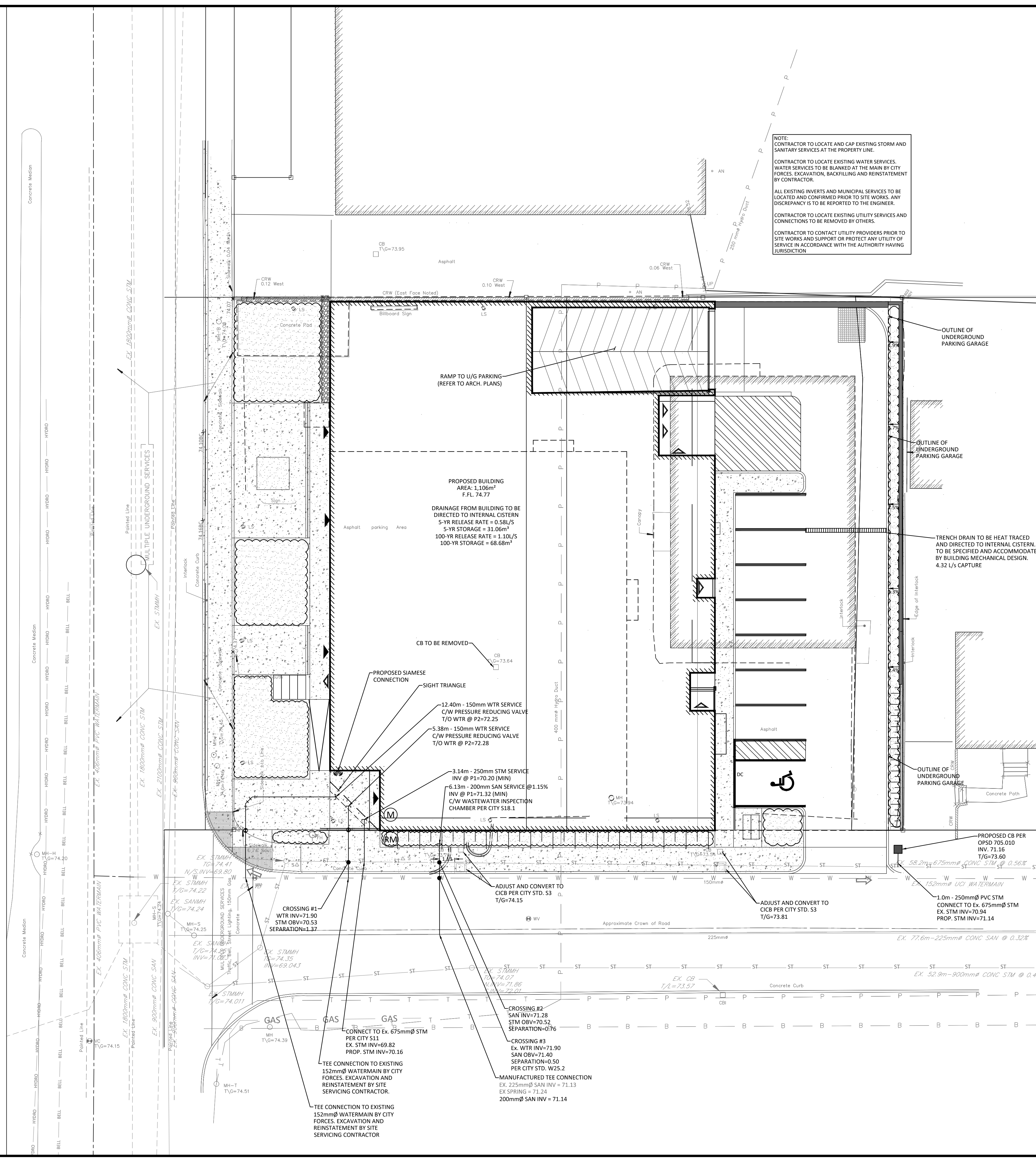


WATERMAIN NOTES

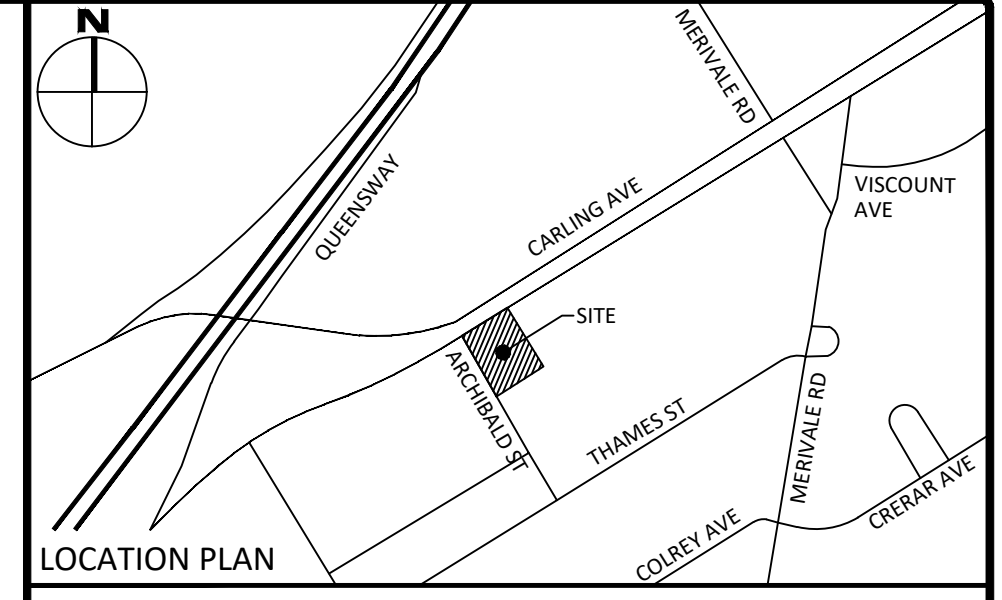
- 1. CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH CITY STANDARDS (IF AVAILABLE) OR AS PER OPSD STANDARDS.
- 2. WATERMAIN TO BE PVC DR-18 (CLASS 235 TO AWWA C900) OR APPROVED EQUIVALENT AND SHALL CONFORM TO CITY OF OTTAWA MATERIAL SPECIFICATIONS.
- 3. WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m, OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY STANDARDS (IF AVAILABLE) OR OPSD 1109.030.
- 4. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER.
- 5. USE APPROVED CONNECTION WITH MAIN (CORPORATION) STOP AS PER CITY OF OTTAWA STANDARD DRAWING 'W25.1'.
- 6. CONNECTION TO EXISTING BY CITY FORCES. EXCAVATION, BACKFILLING AND REINSTATEMENT IS TO BE COMPLETED BY THE CONTRACTOR.
- 7. SWABING, CHLORINATION AND CONTINUITY TESTING FOR PROPOSED WATER SERVICES IS TO FOLLOW CITY OF OTTAWA SPECIAL PROVISIONS #SP-4491 & SP-4494.

SEWER NOTES

- 1. CONSTRUCT ALL SEWERS AND APPURTENANCES TO CITY OR TOWNSHIP STANDARDS (IF AVAILABLE) OR AS PER OPSD STANDARDS.
- 2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
- 3. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
- 4. SUB-BEDDING, IF REQUIRED SHALL BE AS PER THE DIRECTION OF A GEOTECHNICAL ENGINEER.
- 5. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR SAND.
- 6. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0m BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
- 7. SEWERS AND CONNECTIONS 150mm DIAMETER AND SMALLER TO BE PVC SDR 28 OR APPROVED EQUIVALENT. SEWERS AND CONNECTIONS 200mm DIAMETER AND LARGER TO BE PVC SDR 35 OR APPROVED EQUIVALENT.
- 8. INSULATE ALL SEWERS AND/OR SERVICES THAT HAVE LESS THAN 1.5m OF COVER WITH THERMAL INSULATION AS PER OPSD 1109.030.
- 9. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAILED TO WITHIN 1.0m OF BUILDING. ALL ENDS OF SERVICES TO BE PROPERLY CAPPED AND LOCATED WITH 2"x4"x8' LONG MARKER.
- 10. CONTRACTOR TO TELEWISE (CCTV) ALL PROPOSED SEWERS ONSITE, OUTLET CONNECTION TO THE MAIN AND PIPES 150mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
- 11. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN.
- 12. ALL CATCHBASIN AND CATCHBASIN MANHOLE LEADS ARE TO BE MINIMUM 200mmØ WITH MINIMUM 1.0% SLOPE UNLESS OTHERWISE NOTED.
- 13. ALL CATCHBASINS EXCLUDING LANDSCAPE CATCHBASINS ARE TO HAVE 150 mmØ PERFORATED PIPE FOR 3.0m ON ALL AVAILABLE SIDES AS PER CITY OF OTTAWA STANDARD DRAWING 'R1'.
- 14. BACKWATER VALVES ARE TO BE INSTALLED ON SERVICES AS PER CITY STANDARD DWG S14 AND ONE OF S14.1 OR S14.2.
- 15. EXISTING SERVICES TO BE LOCATED BY CONTRACTOR. EXISTING WATERMAIN TO BE BLANKED AT MAIN. EXISTING STORM AND SANITARY TO BE CAPPED AT PROPERTY LINE.



NOTE: CONTRACTOR TO LOCATE AND CAP EXISTING STORM AND SANITARY SERVICES AT THE PROPERTY LINE.
CONTRACTOR TO LOCATE EXISTING WATER SERVICES. WATER SERVICES TO BE BLANKED AT THE MAIN BY CITY FORCES. EXCAVATION, BACKFILLING AND REINSTATEMENT BY CONTRACTOR.
ALL EXISTING INVERTS AND MUNICIPAL SERVICES TO BE LOCATED AND CONFIRMED PRIOR TO SITE WORKS. ANY DISCREPANCY IS TO BE REPORTED TO THE ENGINEER.
CONTRACTOR TO LOCATE EXISTING UTILITY SERVICES AND CONNECTIONS TO BE REMOVED BY OTHERS.
CONTRACTOR TO CONTACT UTILITY PROVIDERS PRIOR TO SITE WORKS AND SUPPORT OR PROTECT ANY UTILITY OF SERVICE IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.



LEGEND

DC	BARRIER CURB CURB DEPRESSION	- - - - -	CENTRELINE OF SWALE
ASPH	HEAVY DUTY ASPHALT	--- ---	SLOPING AT 3:1 UNLESS SPECIFIED
CONC	CONCRETE SIDEWALK	--- ---	PROPOSED ELEVATION
PAV	PAVING STONE	--- ---	EXISTING ELEVATION
MH	STORM MANHOLE	--- ---	SWALE ELEVATION
CB	CATCHBASIN OR DITCH INLET	--- ---	TOP OF WALL ELEVATION
ECB	LANDSCAPE CATCHBASIN	--- ---	BOTTOM OF WALL ELEVATION
MH	SANITARY MANHOLE	--- ---	EMERGENCY OVERLAND FLOW ROUTE
PERF	PERFORATED PIPE	--- ---	SILT FENCE BARRIER (AS PER OPSD 219.130)
WV	WATER VALVE/CHAMBER	--- ---	STRAW BALE CHECK DAM (AS PER OPSD 219.180)
FD	FIRE HYDRANT	--- ---	BUILDING ENTRANCE OVERHEAD DOOR
CC	CROSSING CONFLICT LOCATION	--- ---	REMOTE WATER METER
LA	LANDSCAPE AREA	--- ---	WATER METER
SI	SIAMSE CONNECTION	--- ---	MISC. ROCK BOULDER
		--- ---	SEDIMENT CONTROL DEVICE
		--- ---	PROPERTY LINE

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

No.	Revisions	Date
02	ISSUED FOR REVIEW	DEC 24, 2021
01	ISSUED FOR COORDINATION	SEP 9, 2021

Check and verify all dimensions before proceeding with the work. Do not scale drawings.



McINTOSH PERRY
115 Walgreen Road, RR3, Carp, ON K0A 1L0
Tel: 613-836-2184 Fax: 613-836-3742
www.mcintoshperry.com

Client: **1343678 ONTARIO LTD**
2775 MOODIE DRIVE, NEPEAN, ON, K2J 456

Project: **24 STOREY RESIDENTIAL BUILDING**
1330 CARLING AVE

Drawing Title: **SITE SERVICING PLAN**

Scale: 1:150 Project Number: CCO-22-1853

Drawn By: B.G.S. Checked By: R.D.F. Designed By: B.G.S.

Drawing Number: C102

FILE NAME: I:\Projects\2021\Projects\CCO-22-1853\Drawings\CCO-22-1853-PS-RESIDENTIAL-DWG.dwg
LAST SAVED: Monday, January 10, 2022 1:53:45 PM
LAST PLOTTED: Monday, January 10, 2022 1:53:45 PM

D07-12-20-0063

#18182