

OFF-SITE WORKS NOTE:
STREET OCCUPANCY PERMIT FOR ALL EXTERNAL WORKS IS REQUIRED.

EXISTING SERVICING NOTE:
INVERTS OF THE EX. SANITARY & STORM SEWERS @ CONNECTION POINTS SHALL BE CONFIRMED BY THE OWNER'S CONTRACTOR PRIOR TO THE START OF CONSTRUCTION/ORDERING STRUCTURES. THE CONSULTANT IS TO BE INFORMED IF DIFFERENT THAN NOTED.

RESTORATION NOTE:
ALL WORK IN THE ROAD ALLOWANCE SHALL MEET THE MINIMUM SPECIFICATIONS OF THE CITY OF GUELPH INFRASTRUCTURE, DEVELOPMENT, AND ENVIRONMENT DEPARTMENT. THE CITY OF GUELPH STANDARDS ARE TO BE APPLIED TO WORKS WITHIN THE CITY ROAD ALLOWANCE UNLESS OTHERWISE APPROVED BY THE CITY.

SERVICE STUBS TO BE CAPPED AT 1.0m O/S FROM BUILDING ENVELOPE FOR CONNECTION ONCE BUILDING SERVICES ARE INSTALLED.

OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY CONSTRUCTION MEASURES SUCH AS, BUT NOT LIMITED TO, PIPE COVER AT NO ADDITIONAL CHARGE TO THE CONTRACT.

STORM SERVICING NOTE:
NO BUILDING DRAIN (SUMP/WEeping TILE/RAIN WATER LEADER) CONNECTIONS WILL BE PERMITTED INTO THE SANITARY SEWERS AND NO DIRECT GRAVITY CONNECTIONS FROM THE FOUNDATION DRAINS WILL BE PERMITTED TO THE STORM SYSTEM UNLESS THE STORM SYSTEM HAS THE CAPACITY TO PROVIDE FOR SUCH CONNECTIONS TO THE SATISFACTION OF THE CITY ENGINEER.

ALL PROP WATER METERS ARE c/w DOUBLE CHECK VALVE ASSEMBLIES (DCVA) FOR PREMISE ISOLATION

UTILITIES NOTE:
FOR CLARITY, NOT ALL EXISTING UTILITIES MAY BE SHOWN. THE OWNER'S CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL UTILITY LOCATES PRIOR TO CONSTRUCTION.

ALL WATERMAIN CONSTRUCTION TO CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF GUELPH INFRASTRUCTURE, DEVELOPMENT, AND ENVIRONMENT DEPARTMENT. WHERE COVER IS LESS THAN 2.0m (EVEN TEMPORARY CONDITIONS), THE WATERMAIN/SERVICE SHALL BE ADEQUATELY INSULATED OVER THE AFFECTED LENGTH.

THE OWNER'S CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL MEASURES IN COMPLIANCE WITH THE ONTARIO TRAFFIC MANUAL BOOK 7 AND BOOK 18 FOR ALL WORKS WITHIN THE CITY RIGHT-OF-WAY. THE OWNER'S CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO THE CITY/ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH CONSTRUCTION.

STORM DRAINAGE NOTE:
STORM DRAINAGE MAY TEMPORARILY NEED TO BE CONTROLLED AND PUMPED FROM STORM SEWER SYSTEM. ANY SUCH TEMPORARY MEASURES SHALL BE CONDUCTED AT NO EXTRA COST TO THE CONTRACT AND BE BASED UPON THE OWNER'S CONTRACTOR'S WATER CONTROL PLANS, WHICH MUST BE APPROVED BY THE CONTRACT ADMINISTRATOR/ENGINEER PRIOR TO CONSTRUCTION.

WATERMAIN & SEWER CROSSING NOTE:

- UNDER PRACTICAL CONDITIONS, WATERMANS SHALL CROSS ABOVE SEWERS WITH SUFFICIENT VERTICAL SEPARATION TO ALLOW FOR PROPER BEDDING AND STRUCTURAL SUPPORT OF THE WATERMAIN AND SEWER. INSULATE AS PER OPSD 1109.030 (WHERE REQUIRED).
- WHEN IT IS NOT POSSIBLE FOR THE WATERMAIN TO CROSS ABOVE THE SEWER, THE WATERMAIN PASSING UNDER A SEWER SHALL BE PROTECTED BY:
 - PROVIDING A VERTICAL SEPARATION OF AT LEAST 0.5 METRES BETWEEN THE INVERT OF THE SEWER AND THE CROWN OF THE WATERMAIN;
 - PROVIDING ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING; AND
 - ENSURING THAT THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.

REFERENCE: JUNE 2012 MINISTRY OF THE ENVIRONMENT'S 'WATERMAIN DESIGN CRITERIA FOR FUTURE ALTERATION AUTHORIZED UNDER A DRINKING WATER WORKS PERMIT'

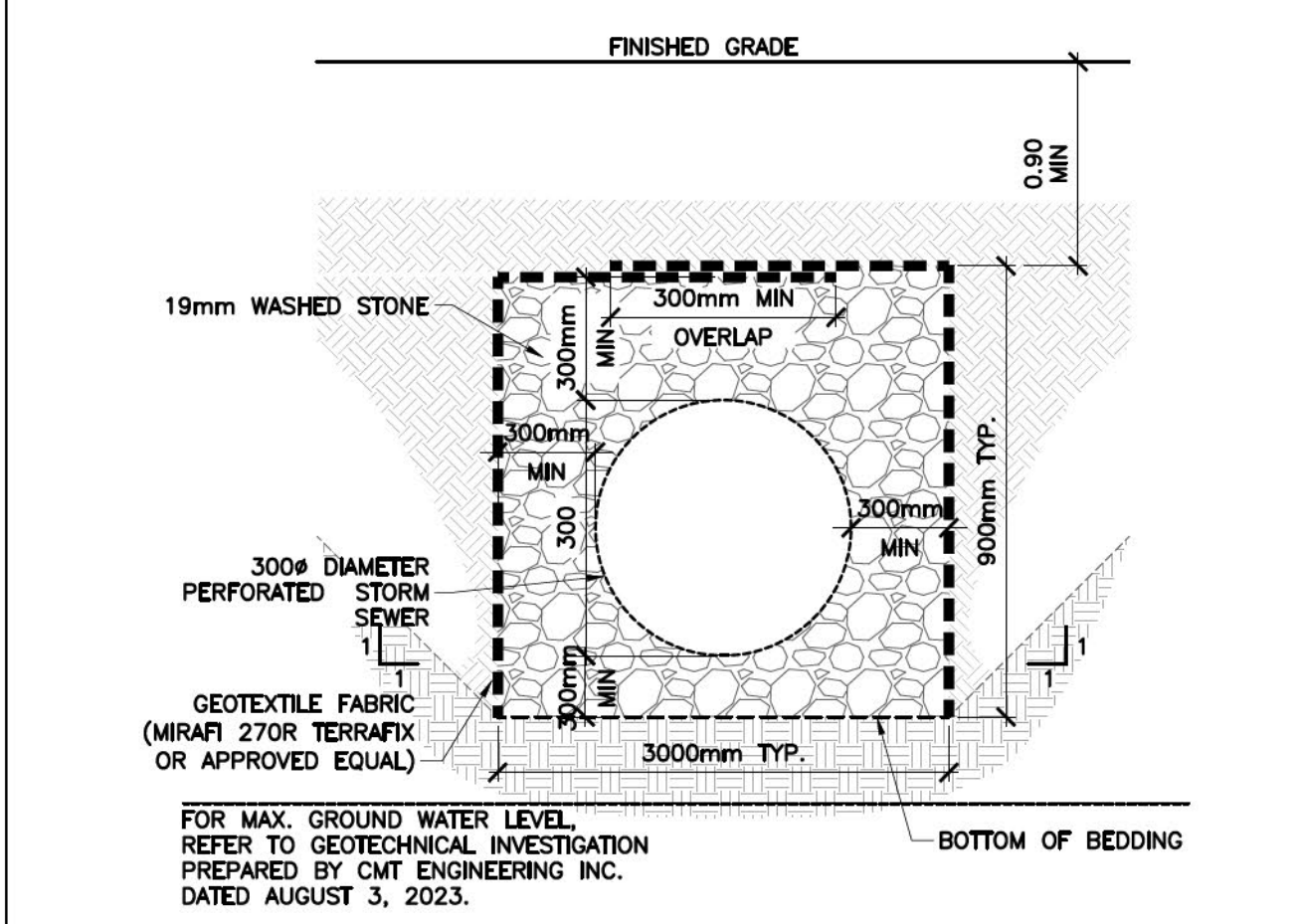
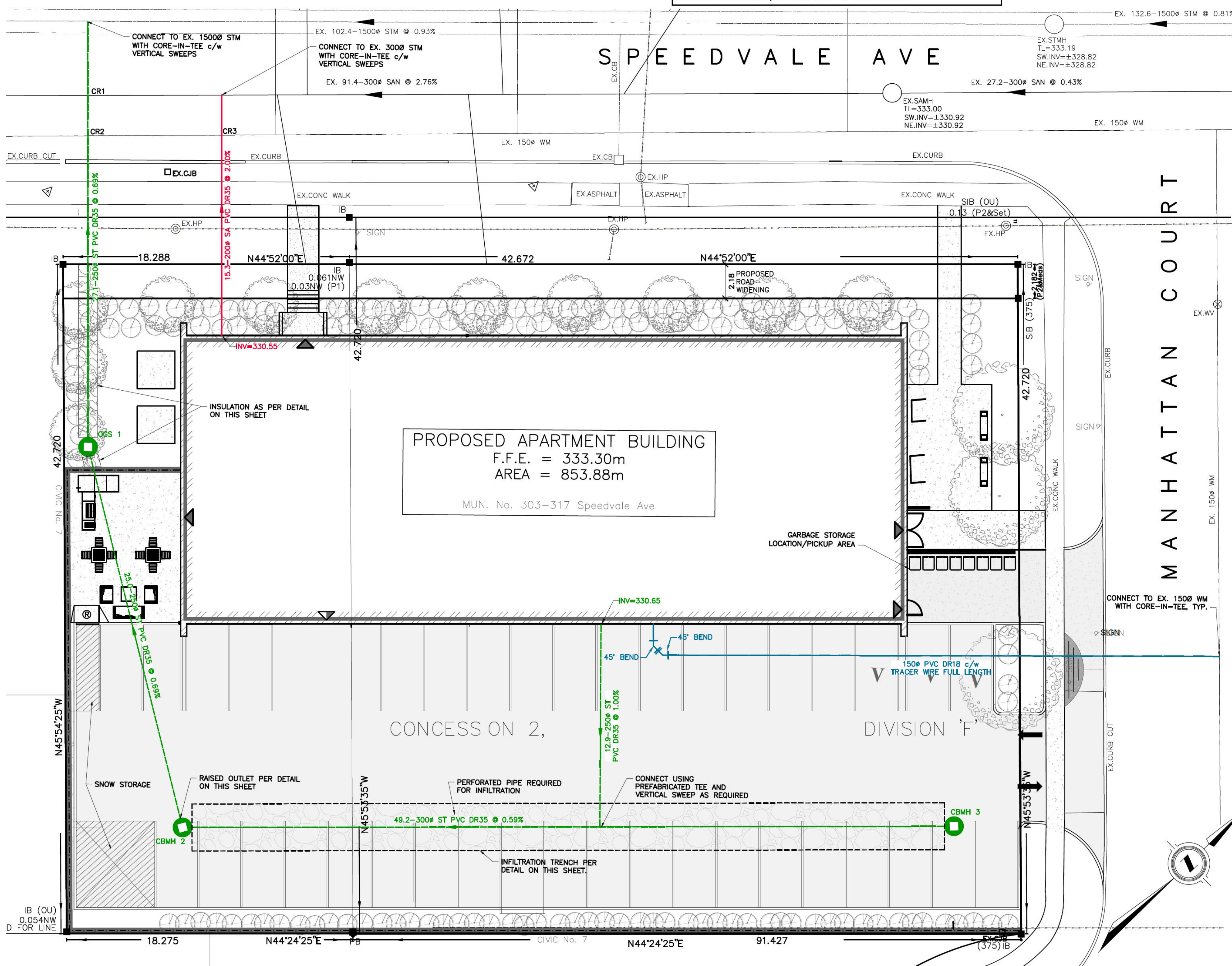
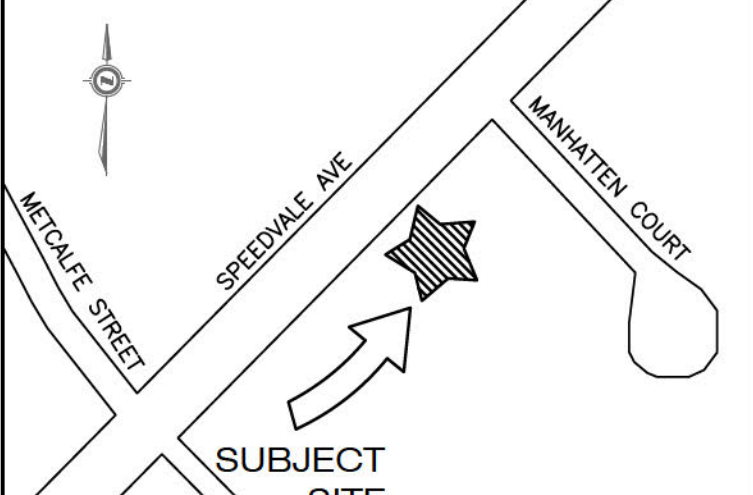
WHEN ROOFTOP SWM STORAGE IS SPECIFIED, SCUPPERS TO BE CALCULATED PER OBC 7.4.10.4 (TYP) IN COORDINATION WITH ARCHITECT AND MECHANICAL ENGINEER.

INSULATION NOTE:
INSULATE SEWERS + WATER PIPES AS PER THE OPSD 1109.030 'INSULATION FOR SEWERS AND WATERMANS IN SHALLOW TRENCHES' WHERE 2.0m (1.22m FOR ON-SITE SEWERS) COVER CAN NOT BE PROVIDED.

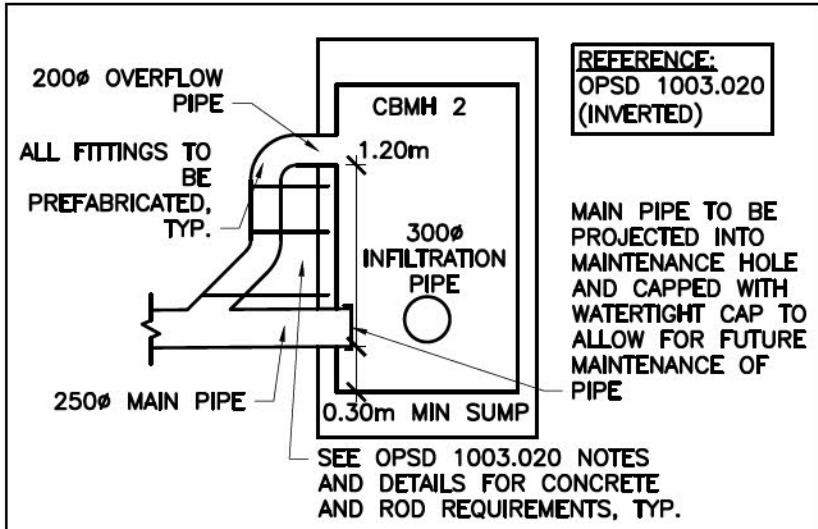
ALL CLEARANCES TO ELECTRICAL CONDUCTORS AS SET OUT IN THE CURRENT OBC DIV. B-3.1.19.1 'ELECTRICAL CONDUCTOR CLEARANCES TO BUILDINGS' SHALL BE MAINTAINED

OWNER'S CONTRACTOR SHALL SUPPORT ALL EXISTING UTILITIES AS REQUIRED DURING THE INSTALLATION OF SERVICES TO THE SATISFACTION OF THE UTILITY OWNER AT NO EXTRA COST TO THE CONTRACT.

BOULEVARD AREAS AND CONCRETE SIDEWALKS DISTURBED DURING INSTALLATION OF SERVICES SHALL BE RESTORED TO MATCH EX. CONDITION OR SURFACE WORKS NOTES ON SHEET C1, WHICHEVER IS GREATER, ALL AT NO COST TO THE CITY.



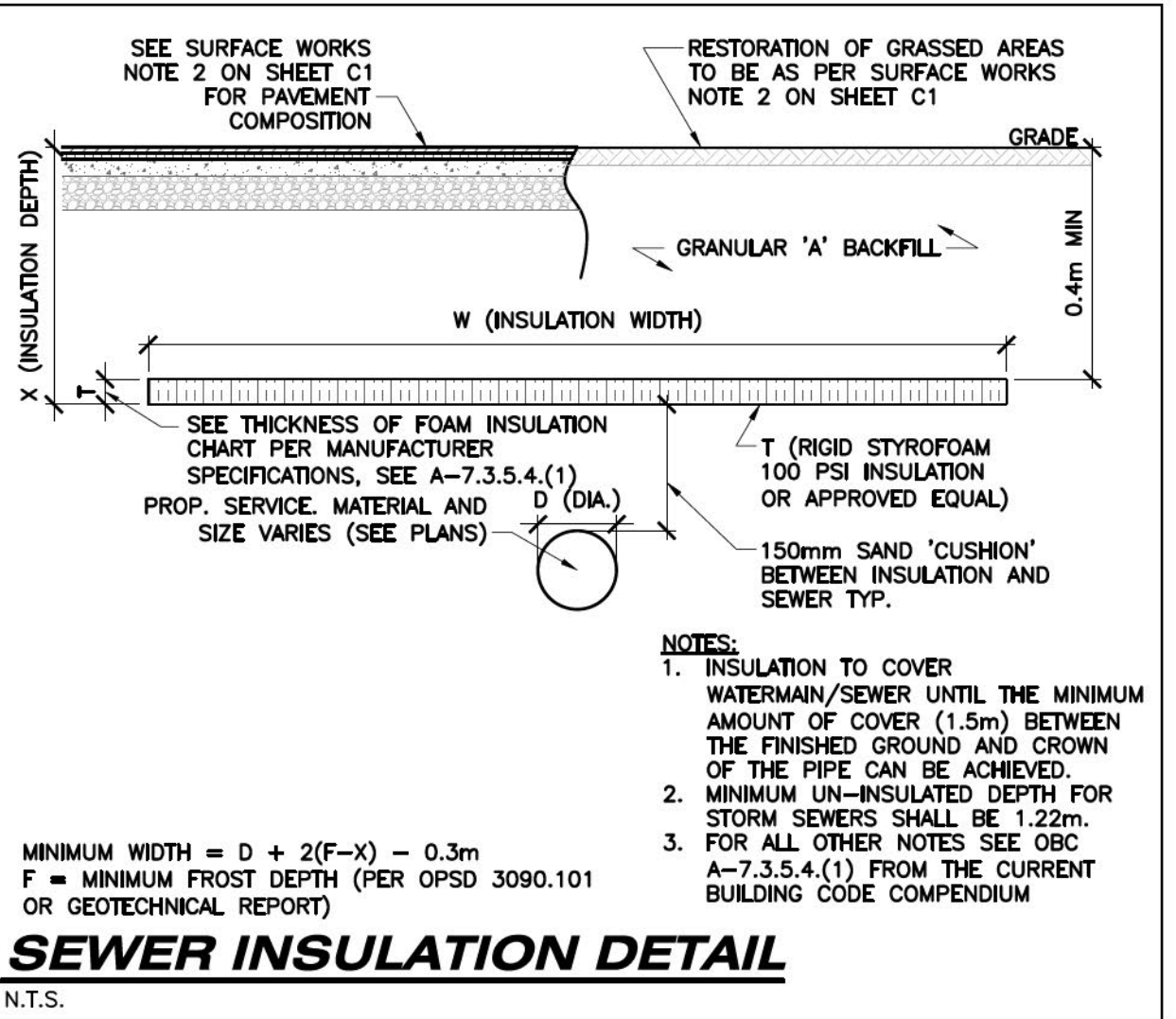
INFILTRATION TRENCH DETAIL
N.T.S.



INFILTRATION OVERFLOW OUTLET DETAIL
SCALE 1:50, SHOWN SCHEMATICALLY

STORM SEWER STRUCTURES TABLE

STRUCTURE I.D.	TOP OF LID	INVERTS
GSS 1 (SEE DETAIL ON SHEET C5)	330.97	330.13SE 330.13NW
CBMH 3 OPSD 400.020 OPSD 701.010	332.39	330.63SW
CBMH 2 OPSD 400.020 OPSD 701.010	332.79	330.34NE 330.31NW



SEWER INSULATION DETAIL
N.T.S.

PIPE CROSSINGS & VERTICAL CLEARANCES

CROSSING No.	SEWER/WATERMAIN ELEVATIONS (*NOT ADJUSTED VALUE)				VERTICAL CLEARANCES (NOT ADJUSTED)	VERTICAL CLEARANCES (ADJUSTED)	*VERTICAL OFFSET
	250mm STM INV.	300mm SAN INV.	150mm WM OBV.	150mm WM OBV.			
CR1	329.99	329.99	329.15	329.15	0.84	0.84	N/A
CR2	329.99	329.99	329.49	329.49	0.50	0.50	NO
CR3	330.29	330.29	329.62	329.62	0.67	0.67	NO

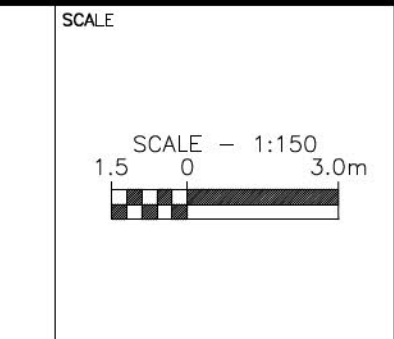
REFER TO NOTES, LEGEND, AND DETAILS ON SHEET C1 & C5

AS CONSTRUCTED SERVICES	COMPLETION	No.	REVISIONS	D./M./Y	BY	CONSULTANT
DESIGN	HA	1	FOR SUBMISSION - OPA/ZBA	1/02/24	BLG	
DRAWN	BG/BC					
CHECKED	TMB/KK					
APPROVED	KAM					
DATE	01/02/2024					
CAD	23-1518					

STRIK BALDINELLI MONIZ
PLANNING • CIVIL • STRUCTURAL • MECHANICAL • ELECTRICAL
1599 Adelaide St. N, Unit 301, London, Ontario, N5X 4E8
Tel: (519) 471-6667 Fax: (519) 471-0034
Email: sbm@sbmtd.ca

ENGINEER'S STAMP

HABITAT FOR HUMANITY
SUITE 100B - 104 DAWSON RD.
GUELPH, ON
N1H 1A6
P: 226-770-4341
E: BRETT@HABITATGW.CA



SITE SERVICING PLAN

HABITAT FOR HUMANITY
303 - 317 SPEEDVALE AVE EAST
GUELPH, ON.

PROJECT No. **SBM-23-1518**
SHEET No. **C3**
PLAN FILE No. _____