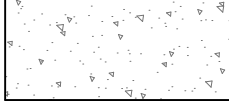


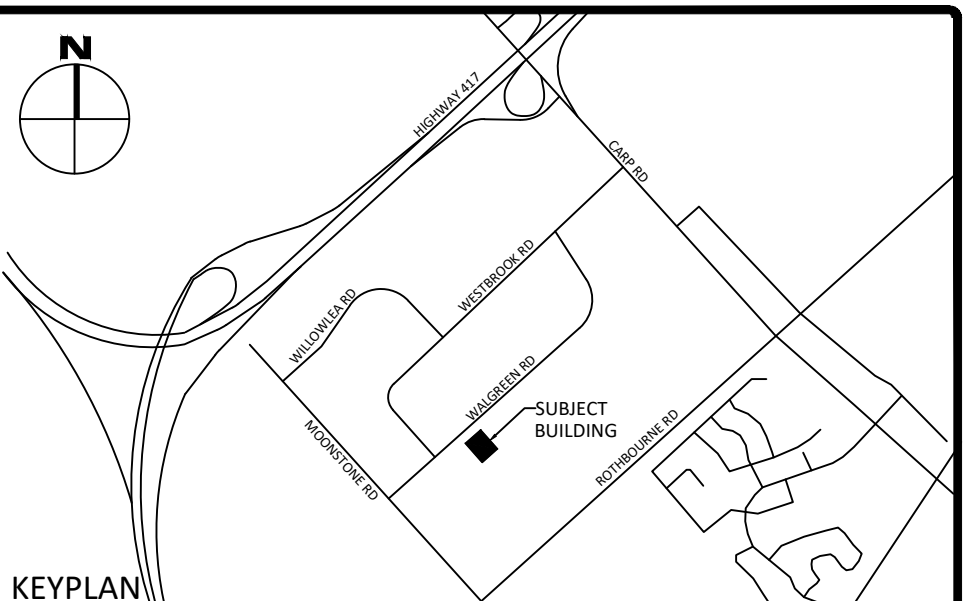
STM STRUCTURE TABLE				
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
CB1	127.85		SE126.490	COVER: CITY S15 FRAME: CITY S15 STR.: OPSD 705.010
CB2	127.98		SE126.585	COVER: CITY S15 FRAME: CITY S15 STR.: OPSD 705.010
CBMH3	127.80	NW126.270	SE126.265	COVER: CITY S28.1 FRAME: CITY S25 STR.: OPSD 701.010
CBMH4	127.80	NW126.370	SE126.365	COVER: CITY S28.1 FRAME: CITY S25 STR.: OPSD 701.010
LCB1	127.10		SE126.315	PER CITY STANDARD S31
LCB2	126.94	NW126.164	SE126.159	PER CITY STANDARD S30
LCB3	126.79	NW126.010	SE126.005	PER CITY STANDARD S30
LCB4	126.65	NW125.870	S125.865	PER CITY STANDARD S30
OGS1	126.95	W125.801	SE125.792	STORMCEPTOR EF08 (OR APPROVED EQUIVALENT) FRAME & COVER: OPSD 401.040/B

WATER COVER TABLE				
LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	COVER
A - 305 X 200 TEE	+0000.00	127.26	124.86	2.40
VALVE	+0004.00	127.20	124.80	2.40
45° BEND	+0045.91	127.24	124.84	2.40
45° BEND	+0048.58	127.28	124.88	2.40
BUILDING	+0059.48	127.73	125.33	2.40

	
<p>HEAVY DUTY PAVEMENT CROSS-SECTION NOT TO SCALE</p> <p>ASPHALT GRADE PSSB 34</p> <p>50mm SURFACE COURSE ASPHALTIC CONCRETE HL-3</p> <p>50mm BINDER COURSE ASPHALTIC CONCRETE HL-8</p> <p>300mm GRANULAR "A"</p> <p>450mm GRANULAR "B"</p>	

WATERMAIN NOTES

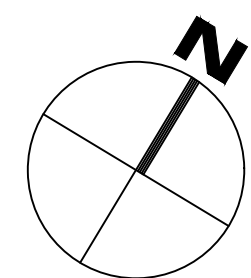
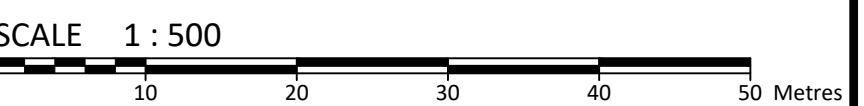
1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS.
2. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. INSULATE ALL WATERMAINS AND SERVICES TO BE INSTALLED TO THE CITY STANDARD SPECIFICATION FOR WATER MAINS AS PER CITY DETAIL W2.
3. 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 AND CITY OF OTTAWA STANDARDS W25 AND W25.2.
4. THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY DETAIL W23.
5. VALVES TO BE OPERATED BY CITY STAFF ONLY.
6. NO WORK SHALL COMMENCE UNLESS A CITY STANDARD WORKS INSPECTOR IS ON SITE. NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY OF OTTAWA. ALL WORKS COMPLETED BY CITY FORCES, EXCAVATION, BACKFILLING AND REINSTATEMENT TO BE COMPLETED BY SITE SERVING CONTRACTOR.
7. CONCRETE THROTTLES TO CONFORM TO CITY STANDARD W23.3.
8. WATERMAIN 100-300mm TO BE CLASS 150 DR-18 PCV AND APPROVED EQUIVALENT.
9. ALL PCV WATERMAIN SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWP OR RWU TRACER WIRE IN ACCORDANCE WITH CITY STANDARD W20.
10. FIRE HYDRANTS SHALL CONFORM TO CITY STANDARDS W18, W19, AND W20.
11. VALVE BOXES SHALL CONFORM TO CITY STANDARD W24.
12. 300mm VALVES AND SMALLER TO BE INSTALLED WITH VALVE BOXES AS PER CITY STANDARD W24. 400mm VALVES AND LARGER TO BE INSTALLED WITH BUTTERFLY VALVES AND VALVE TRAMMERS AS PER CITY STANDARD W24.
13. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER/UTILITY IS 0.25m FOR CROSSING OVER THE SEWER. AS PER CITY DETAIL W25.2 FOR CROSSING UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE IS 0.5m AS PER CITY STANDARD W25.2 FOR CROSSING UNDER SEWER. ADEQUATE STRUCTURAL SUPPORT FOR THE EXCAVATIONS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. THE LENGTH OF WATER MAINS TO BE INSTALLED UNDER SEWERS SHALL BE MINIMUM 30m TO ENSURE THAT THE JOINTS WILL BE EQUITUDINAL AND AS FAR AS POSSIBLE FROM THE SEWER.



- # LEGEND
- | | |
|--|--|
| LEGAL BOUNDARY | |
| EXISTING FENCE | |
| EXISTING STORM STRUCTURE | |
| EXISTING CATCHBASIN | |
| EXISTING SANITARY STRUCTURE | |
| EXISTING FIRE HYDRANT | |
| EXISTING VALVE & VALVE BOX | |
| EXISTING HYDRO POLE | |
| EXISTING HYDRO | |
| EXISTING UTILITIES | |
| EXISTING ELEVATION | |
| PROPOSED STORM MANHOLE | |
| PROPOSED STORM CATCHBASIN MH | |
| PROPOSED SANITARY STRUCTURE | |
| PROPOSED WATER VALVE/HYDRANT | |
| PROPOSED FINISHED GROUND ELEVATION | |
| PROPOSED TOP OF CURB ELEVATION | |
| PROPOSED TOP OF WALL ELEVATION | |
| PROPOSED BOTTOM OF WALL ELEVATION | |
| PROPOSED DITCH ELEVATION | |
| PROPOSED SWALE ELEVATION | |
| PROPOSED SLOPE | |
| PROPOSED TERRACING (3:1 MAX) | |
| PROPOSED BARRIER CURB | |
| PROPOSED RETAINING WALL | |
| PROPOSED DRAINAGE SWALE | |
| PROPOSED CONCRETE SIDEWALK | |
| ENTRY/EXIT LOCATION, ELEVATION & LEVEL | |
| BR = BARRIER FREE | |
| 1R = ONE RISER, OH = OVERHEAD DOOR | |
- BF, 1R, OH MAIN, 11

FFE74.40

4	ISSUED FOR RESUBMISSION	4.25.2025
3	ISSUED FOR RESUBMISSION	3.6.2025
2	ISSUED FOR SITE PLAN CONTROL	12.20.2024
1	FOR REVIEW	12.18.2024
No.	Revisions	Date
Check and verify all dimensions before proceeding with the work Do not scale drawings		



Stamp:



Client:

MILLER WASTE SYSTEMS
112 BALES DRIVE EAST
EAST GWILLIMBURY, ON

Project:

PROPOSED ADDITION
145 WALGREEN ROAD
CARP, ON

Drawing Title:

SITE GRADING, DRAINAGE, EROSION & SEDIMENT CONTROL & SERVICING PLAN

Scale:

Drawn By:

Checked By:

Project Number:

CO-25-1370

Drawing Number:

C101

D07-12-25-0031