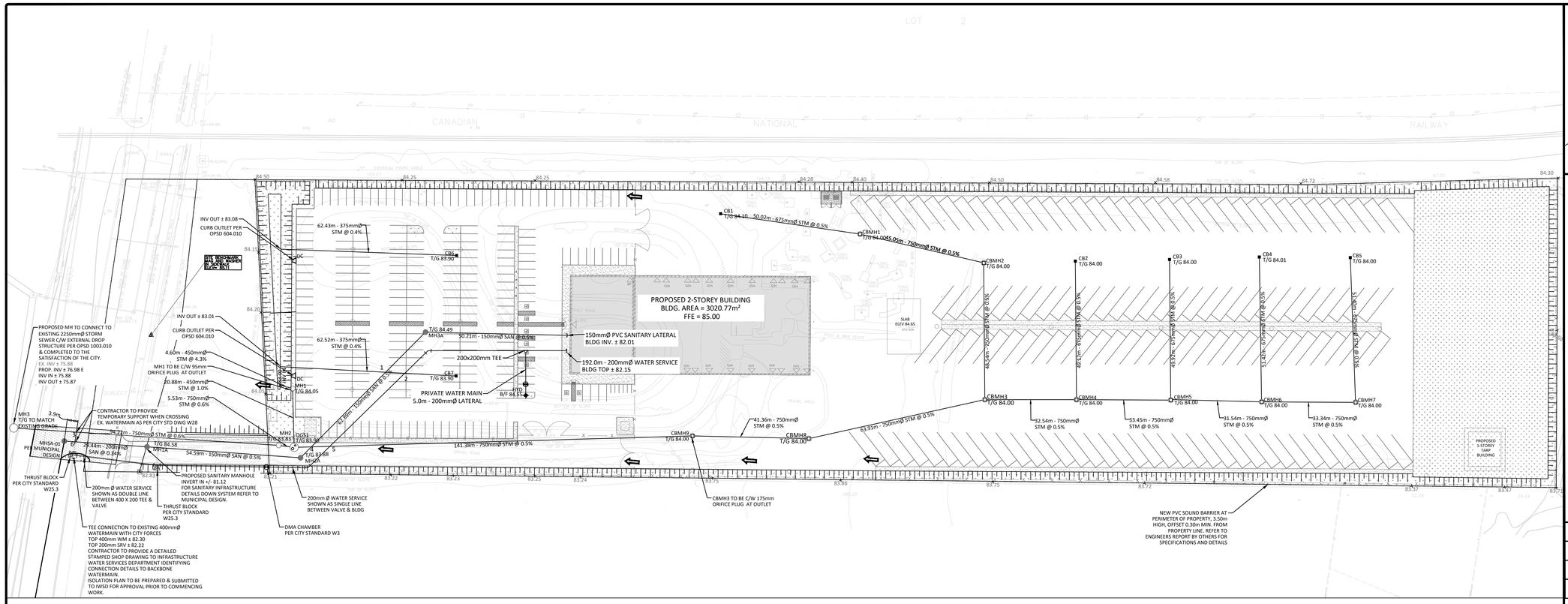
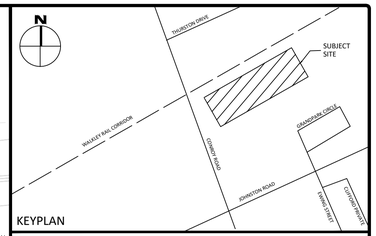



## LEGEND

- LEGAL BOUNDARY
- EXISTING FENCE
- EXISTING STORM STRUCTURE
- EXISTING CATCHBASIN
- EXISTING SANITARY STRUCTURE
- EXISTING FIRE HYDRANT
- EXISTING VALVE & VALVE BOX
- EXISTING HYDRO POLE
- 5-YR PONDING LIMIT
- 100-YR PONDING LIMIT
- EXISTING HYDRO
- EXISTING UTILITIES
- EXISTING ELEVATION — ×99.00
- PROPOSED STORM CATCHBASIN
- PROPOSED STORM CATCHBASIN MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY STRUCTURE
- PROPOSED WATER VALVE/HYDRANT
- PROPOSED FINISHED GROUND ELEVATION — ×99.00
- PROPOSED TOP OF CURB ELEVATION — ×99.00TC
- PROPOSED TOP OF WALL ELEVATION — ×99.00TW
- PROPOSED BOTTOM OF WALL ELEVATION — ×99.00BW
- PROPOSED EMERGENCY OVERLAND FLOW
- PROPOSED SWALE ELEVATION — ×99.00(S)
- PROPOSED SLOPE — 1.0%
- PROPOSED TERRACING (3:1 MAX)
- PROPOSED BARRIER CURB
- PROPOSED RETAINING WALL
- PROPOSED DRAINAGE SWALE
- PROPOSED CONCRETE SIDEWALK
- ENTRY/EXIT LOCATION, ELEVATION & LEVEL BF = BARRIER FREE, 1R = ONE RISER, O/H = OVERHEAD DOOR — FFE=74.40

| No. | | Date |
|---|---|---|
| 7 | REVISED PER COMMENTS & ISSUED FOR APPROVAL | 10.30.2026 |
| 6 | FOR SUBMISSION | 09.14.2026 |
| 5 | FOR SUBMISSION | 06.30.2026 |
| 4 | FOR SUBMISSION | 03.19.2026 |
| 3 | FOR SUBMISSION | 03.13.2026 |
| 2 | FOR SUBMISSION | 11.14.2025 |
| 1 | FOR REVIEW | 08.25.2025 |

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

SCALE 1 : 750

0 25 50 75 Metres

## GENERAL NOTES

1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION SHOWN. PER THE PROVIDED SURVEY ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF OTTAWA BENCHMARK POINT 00119680118 HAVING A PUBLISHED ELEVATION OF 126.18 METRES (CGVD28:78)
2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN DERIVED INFORMATION SUPPLIED BY (OR SHOWN ON) REGISTERED PLAN 4M-300 PREPARED BY JD BARNES DATED APRIL 5, 2024 AND CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE CURRENT PROPERTY BOUNDARIES AND EASEMENTS CAN ONLY BE DETERMINED BY AN UP-TO-DATE LAND TITLES SEARCH AND A SUBSEQUENT CADASTRAL SURVEY PERFORMED AND CERTIFIED BY AN ONTARIO LAND SURVEYOR.
3. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
5. THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
6. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AUTHORITIES.
7. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY.
8. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
9. CONTRACTOR TO MINIMIZE THE ACTUAL LIMITS OF REMOVALS AND REINSTATEMENT WHEREVER POSSIBLE, AND SHALL MAKE THEIR OWN JUDGEMENT AND ACCOUNT FOR ALL MATERIAL AND LABOUR REQUIRED FOR ADEQUATELY REINSTATING THE AREA TO PRE-CONSTRUCTION CONDITIONS OR BETTER, AND BEAR THE COST OF THE SAME. NO ADDITIONAL PAYMENT WILL BE MADE FOR REINSTATEMENT WORK NOT SHOWN ON THE CONTRACT DRAWING AS A DIRECT RESULT FROM CONSTRUCTION.
10. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS.
12. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE ENGINEER/CITY.
13. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
14. CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL. ALL DEFICIENCIES NOTED SHALL BE RECTIFIED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD.
15. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY.
16. ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE INDIVIDUAL AGENCY:
    - ELECTRICAL SERVICE - HYDRO OTTAWA,
    - GAS SERVICE - ENBRIDGE,
    - TELEPHONE SERVICE - BELL CANADA,
    - TELEVISION SERVICE - ROGERS.
17. INSTALLATION TO BE IN ACCORDANCE WITH CURRENT CODES AND STANDARDS OF APPROVAL AGENCIES HYDRO OTTAWA, BELL AND THE CITY.
18. CONTRACTOR TO ENSURE ALL APPLICABLE OPS SPECIFICATIONS ARE FOLLOWED DURING CONSTRUCTION
19. FOR GEOTECHNICAL INFORMATION, REFER TO THE GEOTECHNICAL REPORT FOR 3145 CONROY ROAD, PREPARED BY OTHERS
20. ALL PROPOSED CURB TO BE CONCRETE BARRIER CURB UNLESS OTHERWISE SPECIFIED.

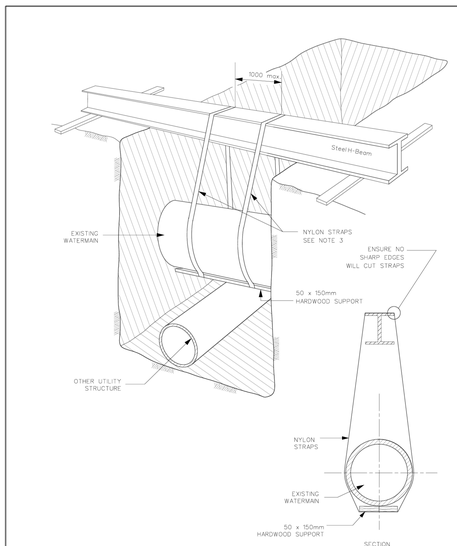
## SEWER NOTES:

1. CONSTRUCT ALL SEWERS, CATCH BASINS, MANHOLES AND APPURTENANCES IN ACCORDANCE WITH OPSD STANDARDS AND SPECIFICATIONS, AS WELL AS CITY.
2. SEWER TRENCHING AND BEDDING SHALL CONFORM TO OPSD 802.010 AND 802.013 UNLESS NOTED OTHERWISE.
   - 2.1. BEDDING SHALL BE A MINIMUM 150mm OF GRANULAR "A", COMPACTED TO MINIMUM 95% STANDARD PROCTOR DRY DENSITY. CLEAR STONE BEDDING SHALL NOT BE PERMITTED.
   - 2.2. SUB-BEDDING, IF REQUIRED SHALL CONSIST OF 450mm OF COMPACTED GRANULAR "B" TYPE 1.
   - 2.3. BACKFILL TO AT LEAST 300mm ABOVE TOP OF PIPE WITH GRANULAR "A" OR GRANULAR "B" TYPE 1.
   - 2.4. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0 METRES BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.
3. SEWERS AND CONNECTIONS 150mmØ AND SMALLER TO BE PVC SDR-28.
4. SEWERS AND CONNECTIONS 375mmØ AND SMALLER TO BE PVC SDR-35 OR APPROVED EQUIVALENT. BEDDING TO BE TYPE "B" EXCEPT AT RISERS, UNLESS NOTED OTHERWISE. SEWERS AND CONNECTIONS 450mmØ AND LARGER TO BE REINFORCED CONCRETE MINIMUM CLASS 65-D OR GREATER.
5. SEWERS AND WATERMAINS LOCATED PARALLEL TO EACH OTHER SHOULD BE CONSTRUCTED IN SEPARATE TRENCHES. WHEN IT IS IMPOSSIBLE OR NOT PRACTICAL TO MAINTAIN VERTICAL AND/OR HORIZONTAL SEPARATION PER MECP STANDARDS, ALL SEWERS SHOULD BE CONSTRUCTED OF WATERMAIN QUALITY PIPE, PRESSURE TESTED IN PLACE AT A PRESSURE OF 350 kPa (50 psi) WITHOUT LEAKAGE USING THE TESTING METHODOLOGY IN ONTARIO PROVINCIAL STANDARD SPECIFICATION 701 (OPSS 701) OF THE OPS.
6. INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THAT HAVE LESS THAN 2.0m OF COVER WITH THERMAL INSULATION AS PER CITY DETAIL S35, OPTION A.
7. SEWER CONNECTIONS ARE TO BE MADE ABOVE THE SPRINGLINE OF THE SEWERMAIN AS PER CITY OF OTTAWA STANDARD DRAWING S11, S11.1 & S11.2.
8. 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.
9. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS ON SITE, 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.
10. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO CONFIRM PROPER CONNECTION TO SANITARY SEWER MAIN.
11. CONTRACTOR TO PROVIDE SHOP DRAWING(S) TO THE CITY (AS WELL AS THE CIVIL CONSULTANT) FOR ANY INFRASTRUCTURE TO BE INSTALLED IN THE ROW OR EASEMENTS.

## 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 THAT HAVE LESS THAN 2.4m COVER WITH THERMAL INSULATION AS PER CITY DETAIL W22.
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 WATER WORKS INSPECTOR IS ON SITE. NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY. CONNECTIONS TO BE COMPLETED BY CITY FORCES. EXCAVATION, BACKFILLING AND REINSTATEMENT TO BE COMPLETED BY SITE SERVICING CONTRACTOR.
7. CONCRETE THRUST BLOCKS TO CONFORM TO CITY STANDARD W25.3.
8. WATERMAIN 100-300mmØ TO BE CLASS 150 DR-18 PVC OR APPROVED EQUIVALENT.
9. ALL PVC WATERMAIN SHALL BE INSTALLED WITH A 10 GAUGE STRANDED COPPER TWU OR RWU TRACER WIRE IN ACCORDANCE WITH CITY STANDARD W36.
10. FIRE HYDRANTS SHALL CONFORM TO CITY STANDARDS W18, W19, AND W20.
11. VALVE BOXES SHALL CONFORM TO CITY STANDARD W24.
12. 300mmØ VALVES AND SMALLER TO BE INSTALLED WITH VALVE BOXES AS PER CITY STANDARD W24. 400mmØ VALVES AND LARGER TO BE INSTALLED WITH BUTTERFLY VALVES AND VALVE CHAMBERS AS PER CITY STANDARD W2.
13. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER/UTILITY IS 0.50m 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 DETAIL W25. FOR CROSSING UNDER SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING. 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.

**FOR REVIEW ONLY**
***NOT FOR CONSTRUCTION***




Ottawa — TEMPORARY SUPPORT FOR EXISTING WATERMAIN — DATE: MAY 2001 — REV. DATE: NONE — DWG. No.: W28

### STM STRUCTURE TABLE

| NAME | RIM ELEV. | INVERT IN | INVERT OUT | DESCRIPTION |
|---|---|---|---|---|
| CB1 | 84.10 | | NE82.050 | COVER: CITY S19.1 FRAME: CITY S19.1 STR: OPSD 705.010 |
| CB2 | 84.00 | | SE80.700 | COVER: CITY S19.1 FRAME: CITY S19.1 STR: OPSD 705.010 |
| CB3 | 84.00 | | SE80.900 | COVER: CITY S19.1 FRAME: CITY S19.1 STR: OPSD 705.010 |
| CB4 | 84.01 | | SE81.100 | COVER: CITY S19.1 FRAME: CITY S19.1 STR: OPSD 705.010 |
| CB5 | 84.00 | | SE81.270 | COVER: CITY S19.1 FRAME: CITY S19.1 STR: OPSD 705.010 |
| CB6 | 83.90 | | SW83.080 | COVER: CITY S19.1 FRAME: CITY S19.1 STR: OPSD 705.010 |
| CB7 | 83.90 | | SW83.240 | COVER: CITY S19.1 FRAME: CITY S19.1 STR: OPSD 705.010 |
| CBMH1 | 84.00 | SW81.800 | E81.730 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| CBMH2 | 84.00 | W81.520 | SE81.500 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| CBMH3 | 84.00 | NE80.260 NW81.250 | SW80.220 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| CBMH4 | 84.00 | NE80.440 NW80.450 | SW80.420 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| CBMH5 | 84.00 | NW80.660 | SW80.600 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| CBMH6 | 84.00 | NE80.800 NW80.830 | SW80.770 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| CBMH7 | 84.00 | NW81.020 | SW80.960 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| CBMH8 | 84.00 | NE79.900 | SW79.860 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| CBMH9 | 84.00 | NE79.660 | SW79.340 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| MH1 | 84.05 | W82.800 | SE80.450 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| MH2 | 83.83 | NE79.555 | SW78.545 | COVER: CITY S28.1 FRAME CITY S25 STR: OPSD 701.010 |
| MH3 | TBD | NE77.980 | MATCH EXISTING INVERT | COVER: CITY S19 FRAME CITY S25 STR: OPSD 705.010 |
| OGS1 | 83.90 | NE78.610 NW80.250 | SW79.590 | STORMCEPTOR EFO10 OR APPROVED EQUIVALENT |

### SAN STRUCTURE TABLE

| NAME | RIM ELEV. | INVERT IN | INVERT OUT | DESCRIPTION |
|---|---|---|---|---|
| MH1A | 84.58 | NE81.120 | SW81.100 | FRAME: CITY S25 COVER: CITY S24 STR: OPSD 701.010 |
| MH2A | 83.88 | N81.420 | SW81.390 | FRAME: CITY S25 COVER: CITY S24 STR: OPSD 701.010 |
| MH3A | 84.49 | NE81.760 | S81.730 | FRAME: CITY S25 COVER: CITY S24 STR: OPSD 701.010 |
| MHSA-01 | REFER TO MUNI | NE81.000 | REFER TO MUNI DESIGN | REFER TO MUNI DESIGN |

### WATER COVER TABLE

| LOCATION | STATION | FINISHED GRADE | TOP OF PIPE | COVER |
|---|---|---|---|---|
| A - 400 x 200 TEE | 0+000.00 | 85.00 | 82.60 | 2.40 |
| 11.25° BEND | 0+029.70 | 83.36 | 80.96 | 2.40 |
| VALVE | 0+062.60 | 83.50 | 81.10 | 2.40 |
| 45° BEND | 0+083.32 | 83.43 | 81.03 | 2.40 |
| 45° BEND | 0+143.78 | 84.25 | 81.85 | 2.40 |
| TEE | 0+177.49 | 84.70 | 82.30 | 2.40 |
| BUILDING | 0+192.02 | 84.95 | 82.55 | 2.40 |
| B - 200X200 TEE | 1+000.00 | 84.70 | 82.30 | 2.40 |
| VALVE | 1+012.50 | 84.42 | 82.02 | 2.40 |
| HYDRANT | 1+015.34 | 84.45 | 82.05 | 2.40 |

### CROSSING CONFLICT TABLE

| LOCATION | DESCRIPTION | SEPARATION |
|---|---|---|
| 1 | 150mmØ SAN SEWER OBV 81.77<br>375mmØ STM SERVICE INV 83.14 | 1.37 |
| 2 | 200mmØ WTR SERVICE OBV 81.94<br>375mmØ STM SEWER INV 83.17 | 1.23 |
| 3 | 750mmØ STM SEWER OBV 78.83<br>400mmØ WTR MAIN INV 81.80 | 2.97 |
| 4 | 750mmØ STM SEWER OBV 79.37<br>150mmØ SAN SERVICE INV 81.43 | 2.06 |
| 5 | 750mmØ STM SEWER OBV 79.41<br>200mmØ WTR SERVICE INV 81.49 | 2.08 |
| 6 | 200mmØ SAN SERVICE OBV 81.21<br>400mmØ WTR MAIN INV 81.80 | 0.59 |

egis

Stamp: LICENSED PROFESSIONAL ENGINEER 2026-10-30 J. J. BURDEN 100534259 PROVINCE OF ONTARIO

Client:
MILLER WASTE SYSTEMS
112 BALES DRIVE EAST
EAST GWILLIMBURY, ON

Project:
PROPOSED OFFICE/INDUSTRIAL BUILDING
3145 CONROY ROAD
OTTAWA, ON

Drawing Title:
SITE SERVICING PLAN

| | |
|---|---|
| Scale: 1:750 | Project Number: CO-25-1505 |
| Drawn By: RP | |
| Checked By: JB | Drawing Number: C102 |
| Designed By: RP | |

#15862 D07-12-25-0107

FILENAME: I:\Ottawa\01 Project - Proposal\2025 Jobs\CO\CO-25-1505 White Owl Group_Due Diligence_3145 Conroy Road\12 - Drawings\CO-25-1505- Design.dwg
LAST SAVED: Friday, October 30, 2026 LAST SAVED BY: J.Livingston
LAST PLOTTED: Friday, October 30, 2026 ETB FILE USED: —