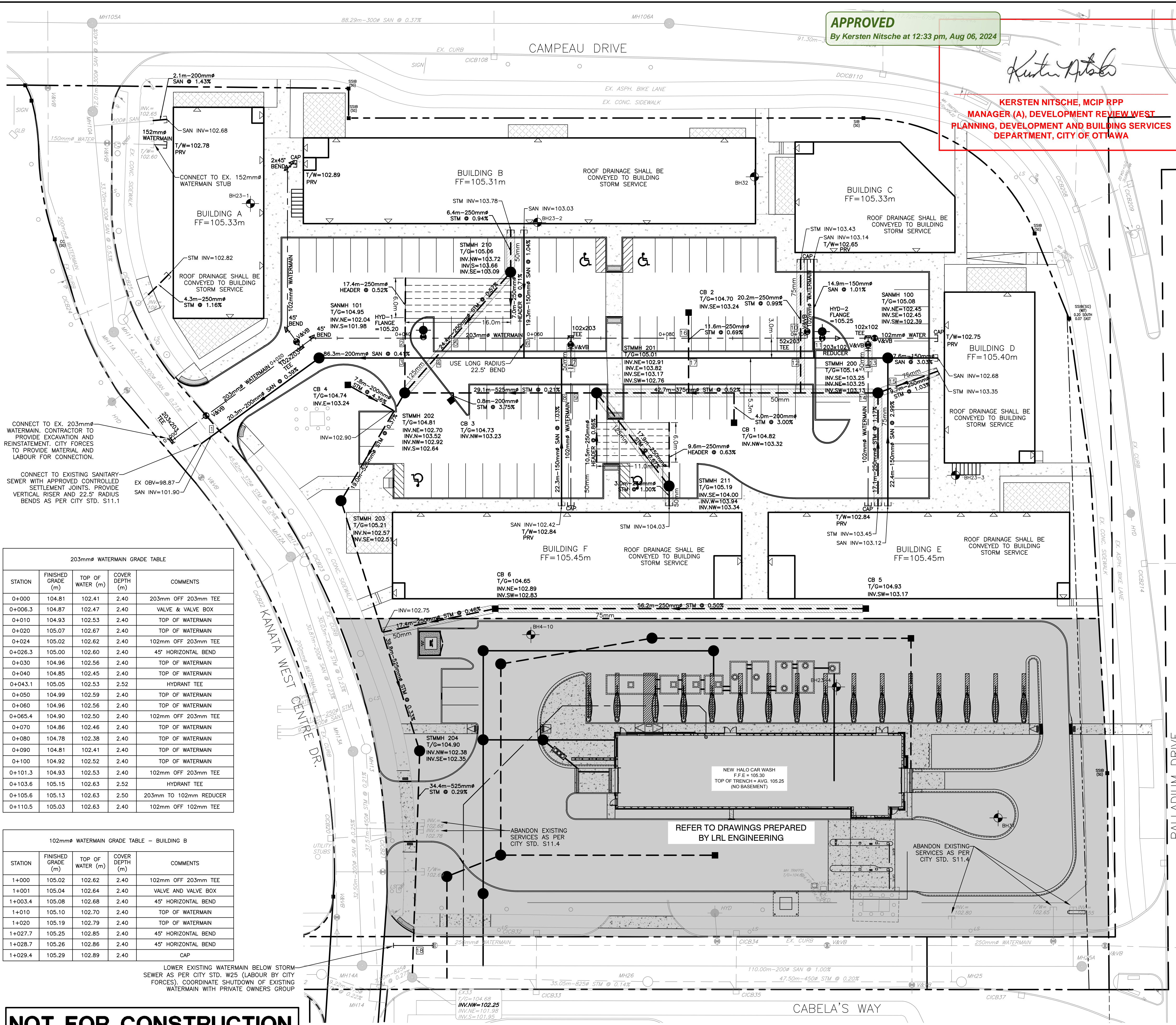


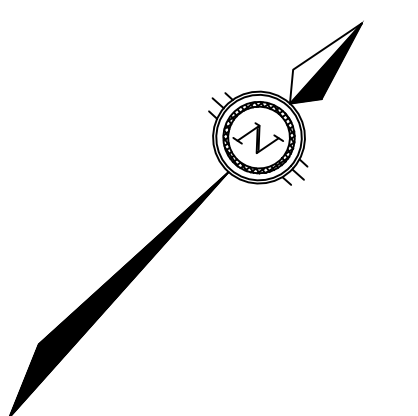
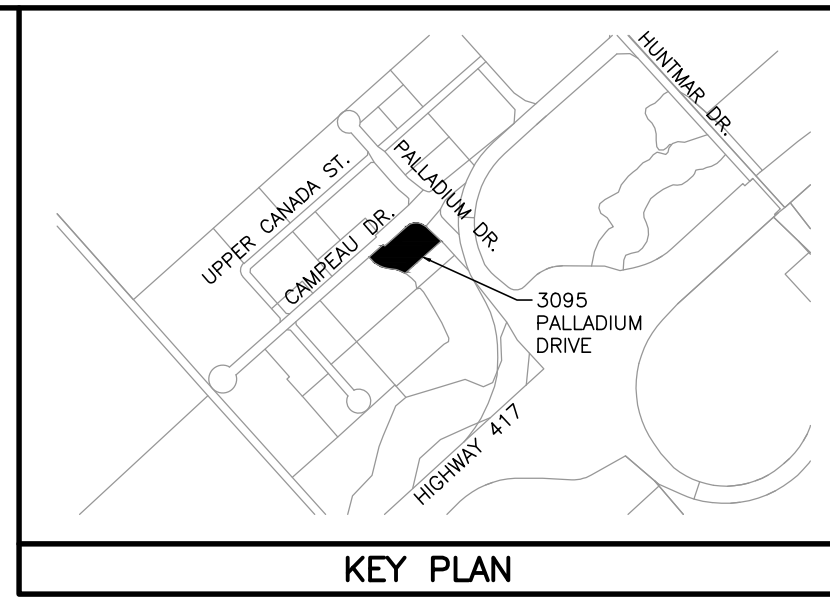
**APPROVED**  
By Kersten Nitsche at 12:33 pm, Aug 06, 2024

*Kersten Nitsche*  
**KERSTEN NITSCHKE, MCIP RPP**  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, DEVELOPMENT AND BUILDING SERVICES  
DEPARTMENT, CITY OF OTTAWA



CROSSING TABLE

| CROSSING No. | SERVICE  | INVERT/OBVERT | SEPARATION (m) |
|--------------|----------|---------------|----------------|
| 1            | EX STORM | 102.40        | 0.30           |
|              | SANITARY | 102.10        |                |
| 2            | STORM    | 102.96        | 0.51           |
|              | WATER    | 102.45        |                |
| 3            | STORM    | 102.95        | 0.66           |
|              | SANITARY | 102.29        |                |
| 4            | STORM    | 103.55        | 1.24           |
|              | SANITARY | 102.31        |                |
| 5            | STORM    | 103.57        | 1.01           |
|              | WATER    | 102.56        |                |
| 6            | SANITARY | 102.86        | 0.30           |
|              | WATER    | 102.56        |                |
| 7            | WATER    | 102.70        | 0.30           |
|              | SANITARY | 102.40        |                |
| 8            | STORM    | 102.65        | 0.26           |
|              | SANITARY | 102.39        |                |
| 9            | STORM    | 102.66        | 0.30           |
|              | WATER    | 102.36        |                |
| 10           | STORM    | 103.28        | 1.34           |
|              | WATER    | 101.94        |                |
| 11           | SANITARY | 103.02        | 0.50           |
|              | WATER    | 102.52        |                |
| 12           | STORM    | 103.25        | 0.71           |
|              | SANITARY | 102.54        |                |
| 13           | WATER    | 102.88        | 0.30           |
|              | SANITARY | 102.58        |                |
| 14           | STORM    | 103.12        | 0.42           |
|              | WATER    | 102.70        |                |
| 15           | STORM    | 103.26        | 0.60           |
|              | SANITARY | 102.66        |                |
| 16           | STORM    | 103.20        | 0.85           |
|              | WATER    | 102.35        |                |
| 17           | STORM    | 103.18        | 0.71           |
|              | SANITARY | 102.47        |                |
| 18           | STORM    | 102.19        | 0.50           |
|              | WATER    | 101.69        |                |



- LEGEND**
- PROPERTY BOUNDARY
  - - - ROAD WIDENING
  - EXISTING HYDRANT
  - EXISTING CATCH BASIN
  - EXISTING WATERMAIN
  - EXISTING SANITARY SEWER & MANHOLE
  - EXISTING STORM SEWER & MANHOLE
  - EXISTING TREE
  - HYDRANT
  - WATERMAIN
  - V&V VALVE & VALVE BOX
  - SP CURB STOP & SERVICE POST
  - PRV PRESSURE REDUCING VALVE
  - CATCH BASIN
  - SANITARY SEWER & MANHOLE (WATERTIGHT COVER)
  - STORM SEWER & MANHOLE
  - ▽ ENTRANCE
  - CROSSING NUMBER
  - 50mm INSULATION AND THICKNESS AS PER S35
  - BOREHOLE

INLET CONTROL DEVICE (ICD) TABLE

| STRUCTURE | 100-YR HEAD (m) | 100-YR OUTFLOW (L/s) | ORIFICE DIAMETER (mm) | ORIFICE TYPE    |
|-----------|-----------------|----------------------|-----------------------|-----------------|
| CB 1      | 1.58            | 21.0                 | 88.7                  | CIRCULAR, SLIDE |
| CB 2      | 1.55            | 30.0                 | 106.5                 | CIRCULAR, SLIDE |
| CB 3      | 1.63            | 30.0                 | 105.2                 | CIRCULAR, SLIDE |

203mm WATERMAIN GRADE TABLE

| STATION | FINISHED GRADE (m) | TOP OF WATER (m) | COVER DEPTH (m) | COMMENTS               |
|---------|--------------------|------------------|-----------------|------------------------|
| 0+000   | 104.81             | 102.41           | 2.40            | 203mm OFF 203mm TEE    |
| 0+006.3 | 104.87             | 102.47           | 2.40            | VALVE & VALVE BOX      |
| 0+010   | 104.93             | 102.53           | 2.40            | TOP OF WATERMAIN       |
| 0+020   | 105.07             | 102.67           | 2.40            | TOP OF WATERMAIN       |
| 0+024   | 105.02             | 102.62           | 2.40            | 102mm OFF 203mm TEE    |
| 0+026.3 | 105.00             | 102.60           | 2.40            | 45° HORIZONTAL BEND    |
| 0+030   | 104.96             | 102.56           | 2.40            | TOP OF WATERMAIN       |
| 0+040   | 104.85             | 102.45           | 2.40            | TOP OF WATERMAIN       |
| 0+043.1 | 105.05             | 102.53           | 2.52            | HYDRANT TEE            |
| 0+050   | 104.99             | 102.59           | 2.40            | TOP OF WATERMAIN       |
| 0+060   | 104.96             | 102.56           | 2.40            | TOP OF WATERMAIN       |
| 0+065.4 | 104.90             | 102.50           | 2.40            | 102mm OFF 203mm TEE    |
| 0+070   | 104.86             | 102.46           | 2.40            | TOP OF WATERMAIN       |
| 0+080   | 104.78             | 102.38           | 2.40            | TOP OF WATERMAIN       |
| 0+090   | 104.81             | 102.41           | 2.40            | TOP OF WATERMAIN       |
| 0+100   | 104.92             | 102.52           | 2.40            | TOP OF WATERMAIN       |
| 0+101.3 | 104.93             | 102.53           | 2.40            | 102mm OFF 203mm TEE    |
| 0+103.6 | 105.15             | 102.63           | 2.52            | HYDRANT TEE            |
| 0+105.6 | 105.13             | 102.63           | 2.50            | 203mm TO 102mm REDUCER |
| 0+110.5 | 105.03             | 102.63           | 2.40            | 102mm OFF 102mm TEE    |

102mm WATERMAIN GRADE TABLE - BUILDING B

| STATION | FINISHED GRADE (m) | TOP OF WATER (m) | COVER DEPTH (m) | COMMENTS            |
|---------|--------------------|------------------|-----------------|---------------------|
| 1+000   | 105.02             | 102.62           | 2.40            | 102mm OFF 203mm TEE |
| 1+001   | 105.04             | 102.64           | 2.40            | VALVE AND VALVE BOX |
| 1+003.4 | 105.08             | 102.68           | 2.40            | 45° HORIZONTAL BEND |
| 1+010   | 105.10             | 102.70           | 2.40            | TOP OF WATERMAIN    |
| 1+020   | 105.19             | 102.79           | 2.40            | TOP OF WATERMAIN    |
| 1+027.7 | 105.25             | 102.85           | 2.40            | 45° HORIZONTAL BEND |
| 1+028.7 | 105.26             | 102.86           | 2.40            | 45° HORIZONTAL BEND |
| 1+029.4 | 105.29             | 102.89           | 2.40            | CAP                 |

102mm WATERMAIN GRADE TABLE - BUILDING F

| STATION | FINISHED GRADE (m) | TOP OF WATER (m) | COVER DEPTH (m) | COMMENTS            |
|---------|--------------------|------------------|-----------------|---------------------|
| 2+000   | 104.90             | 102.50           | 2.40            | 102mm OFF 203mm TEE |
| 2+001   | 104.91             | 102.51           | 2.40            | VALVE AND VALVE BOX |
| 2+01.6  | 104.92             | 102.52           | 2.40            | 45° VERTICAL BEND   |
| 2+01.9  | 104.92             | 102.80           | 2.12            | 45° VERTICAL BEND   |
| 2+04.1  | 105.15             | 102.80           | 2.35            | 45° VERTICAL BEND   |
| 2+04.5  | 105.15             | 102.36           | 2.79            | 45° VERTICAL BEND   |
| 2+008   | 104.97             | 102.36           | 2.61            | SEWER CROSSING      |
| 2+020   | 105.09             | 102.69           | 2.40            | TOP OF WATERMAIN    |
| 2+025.4 | 105.24             | 102.84           | 2.40            | CAP                 |

102mm WATERMAIN GRADE TABLE - BUILDING E

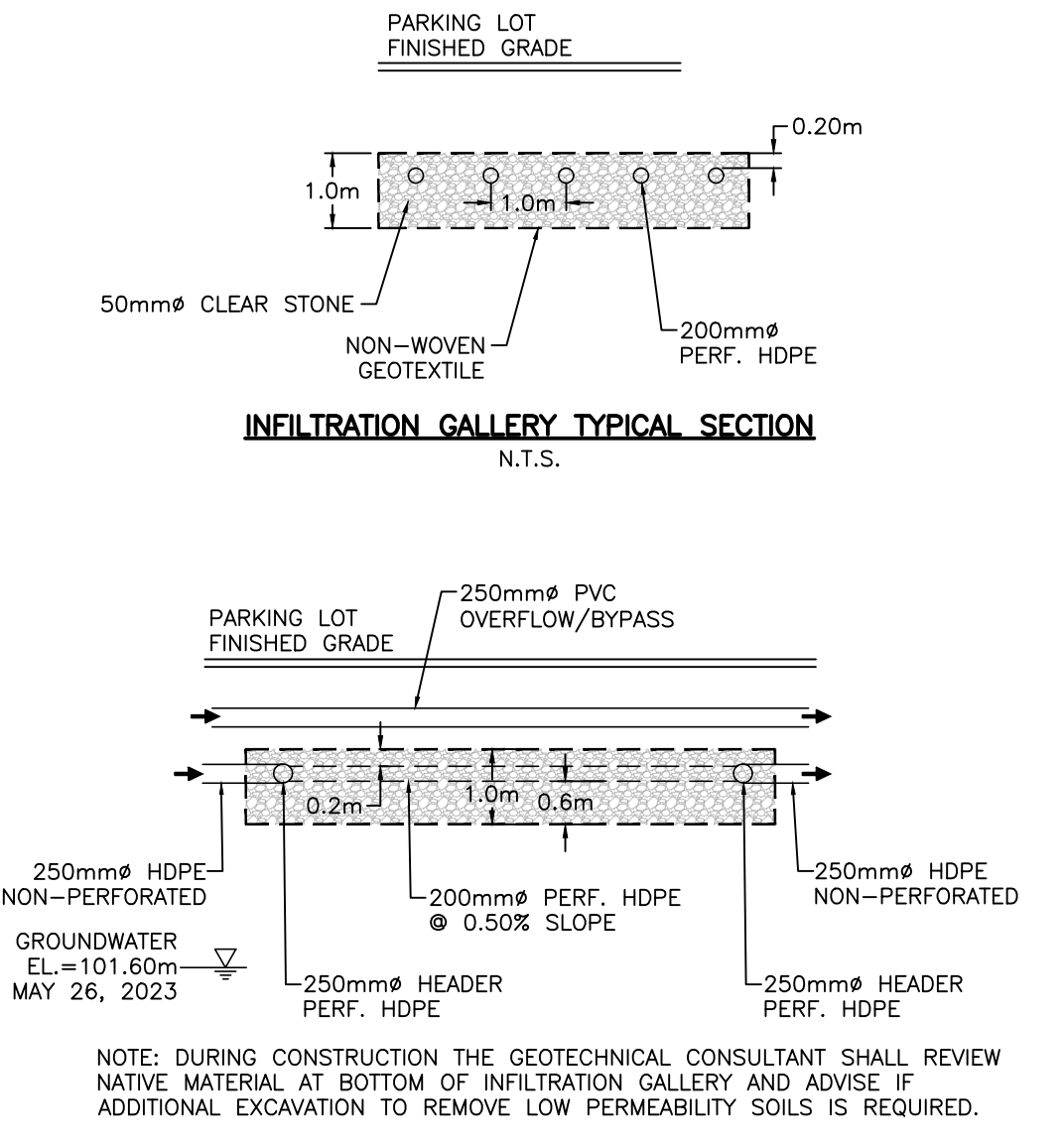
| STATION | FINISHED GRADE (m) | TOP OF WATER (m) | COVER DEPTH (m) | COMMENTS            |
|---------|--------------------|------------------|-----------------|---------------------|
| 3+000   | 105.03             | 102.63           | 2.40            | 102mm OFF 102mm TEE |
| 3+001   | 105.03             | 102.63           | 2.40            | VALVE AND VALVE BOX |
| 3+001.6 | 105.03             | 102.63           | 2.40            | 45° VERTICAL BEND   |
| 3+001.9 | 105.03             | 102.98           | 2.05            | 45° VERTICAL BEND   |
| 3+004.1 | 105.07             | 102.98           | 2.08            | 45° VERTICAL BEND   |
| 3+004.4 | 105.07             | 102.70           | 2.37            | 45° VERTICAL BEND   |
| 3+008.3 | 105.14             | 102.70           | 2.44            | SEWER CROSSING      |
| 3+020   | 105.11             | 102.71           | 2.40            | TOP OF WATERMAIN    |
| 3+025.4 | 105.24             | 102.84           | 2.40            | CAP                 |

102mm WATERMAIN GRADE TABLE - BUILDING D

| STATION | FINISHED GRADE (m) | TOP OF WATER (m) | COVER DEPTH (m) | COMMENTS            |
|---------|--------------------|------------------|-----------------|---------------------|
| 4+000   | 105.03             | 102.63           | 2.40            | 102mm OFF 102mm TEE |
| 4+001   | 105.03             | 102.63           | 2.40            | VALVE & VALVE BOX   |
| 4+012.4 | 105.15             | 102.75           | 2.40            | CAP                 |

102mm WATERMAIN GRADE TABLE - BUILDING C

| STATION | FINISHED GRADE (m) | TOP OF WATER (m) | COVER DEPTH (m) | COMMENTS            |
|---------|--------------------|------------------|-----------------|---------------------|
| 5+000   | 104.93             | 102.53           | 2.40            | 102mm OFF 203mm TEE |
| 5+001   | 104.93             | 102.53           | 2.40            | VALVE & VALVE BOX   |
| 5+012   | 105.05             | 102.65           | 2.40            | CAP                 |



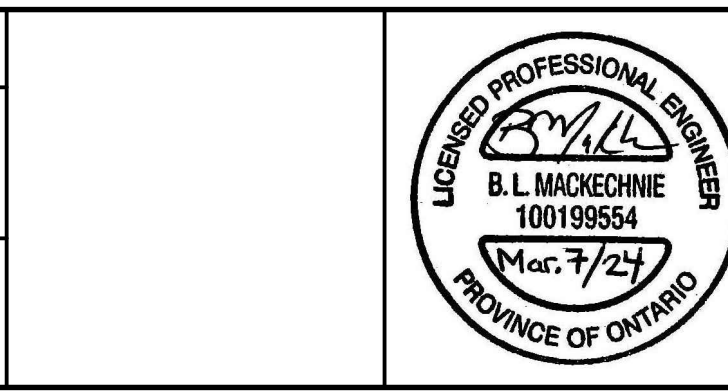
**NOT FOR CONSTRUCTION**

**NOTES**

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

PROPERTY BOUNDARIES ARE DERIVED FROM PLAN OF SURVEY BLOCKS 1 AND 14 REGISTERED PLAN 4M-1566 CITY OF OTTAWA, STANTEC GEOMATICS LTD., ONTARIO LAND SURVEYORS. ELEVATIONS SHOWN ARE GEODETIC (CGVD-1928/1978) AND ARE DERIVED FROM THE CAN-NET VRS NETWORK MONUMENT; OTTAWA ELEVATION=95.230.

| NO. | REVISION DESCRIPTION             | DATE     | BY  |
|-----|----------------------------------|----------|-----|
| 3   | REVISED PER COMMENTS             | 07/03/24 | BLM |
| 2   | REVISED PER COMMENTS             | 16/11/23 | BLM |
| 1   | ISSUED FOR SITE PLAN APPLICATION | 19/06/23 | BLM |



**Robinson Land Development**  
350 Palladium Drive  
Ottawa, ON K2V 1A8  
(613) 592-6060 rcli.com

DESIGN

|              |
|--------------|
| BLM          |
| CHECKED CC   |
| DRAWN BLM    |
| CHECKED CC   |
| APPROVED BLM |

3095 PALLADIUM GP INC.  
3095 PALLADIUM DRIVE  
CITY OF OTTAWA

**SERVICING PLAN**

PROJECT No. 23021  
SURVEY STANTEC  
DATED MARCH 2024  
DWG. No. 23021-S1

FILE No. D02-02-23-0058/D07-12-23-0092  
PLAN No. 19021

