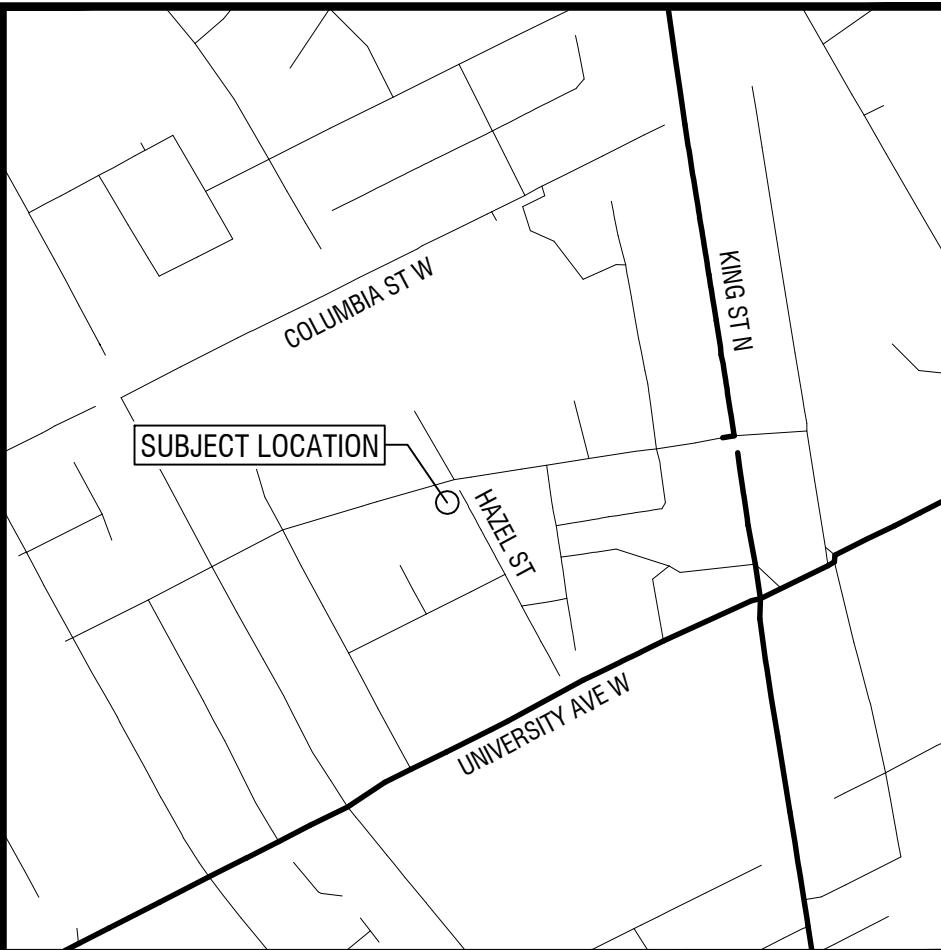
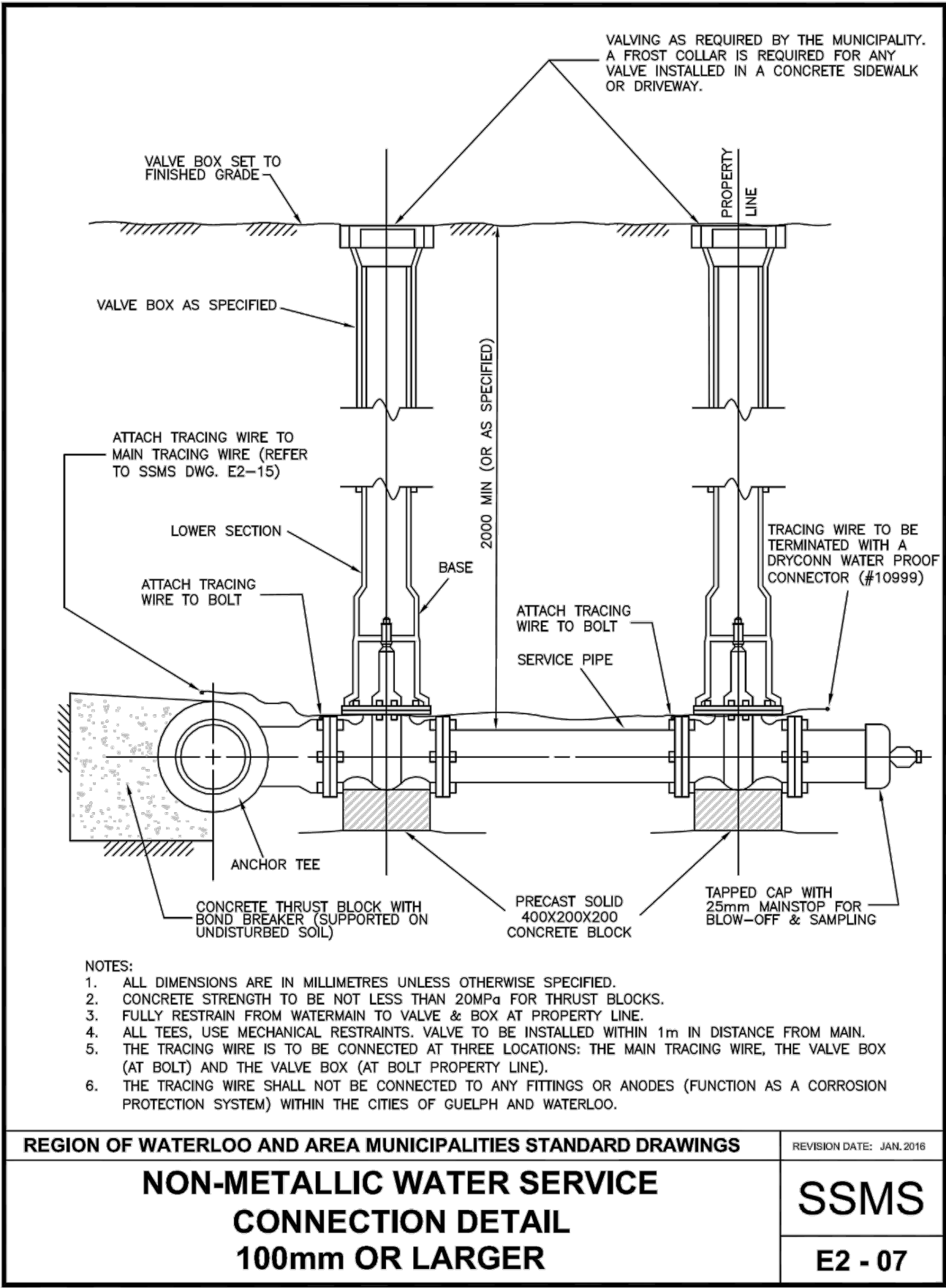
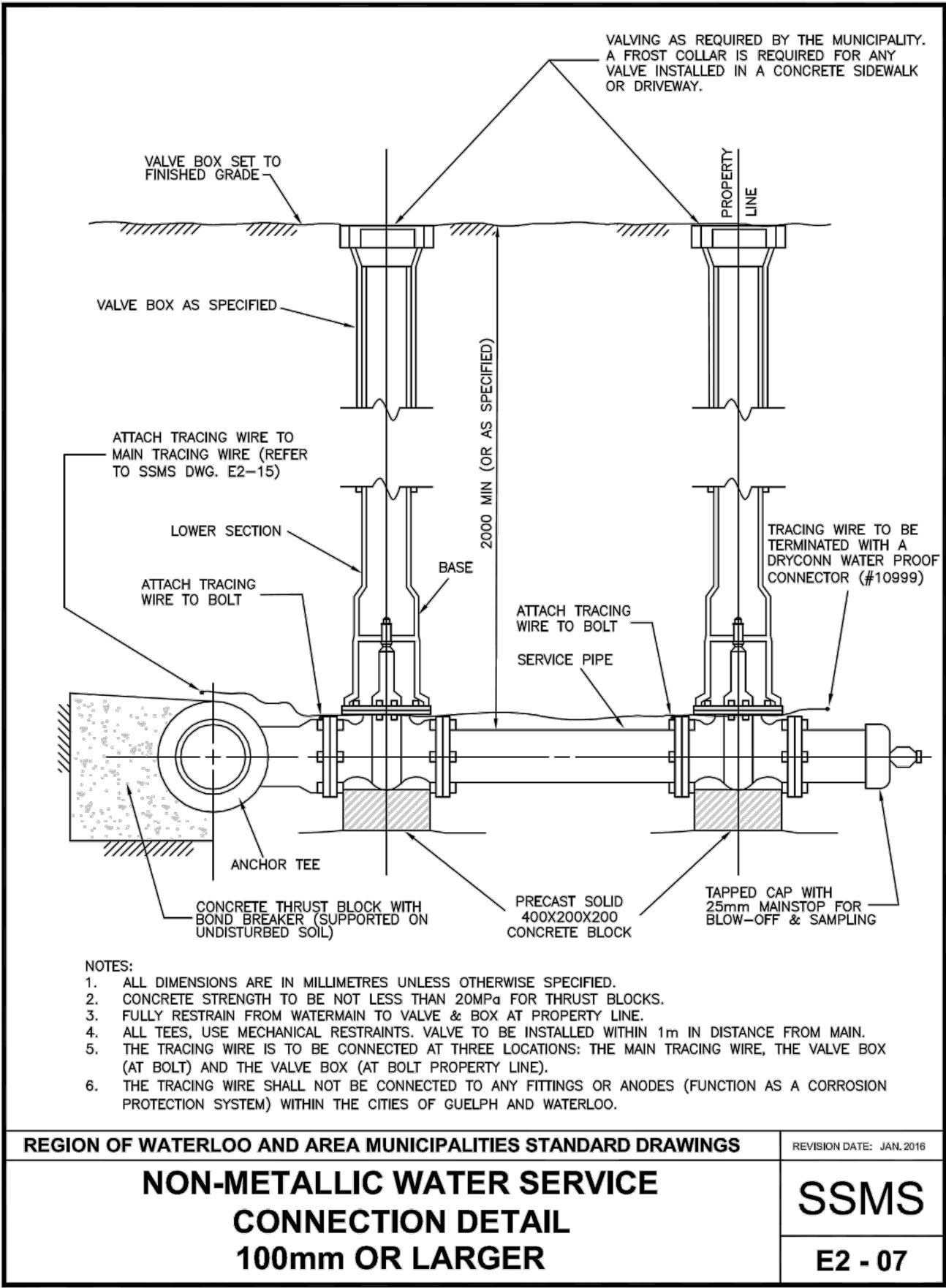
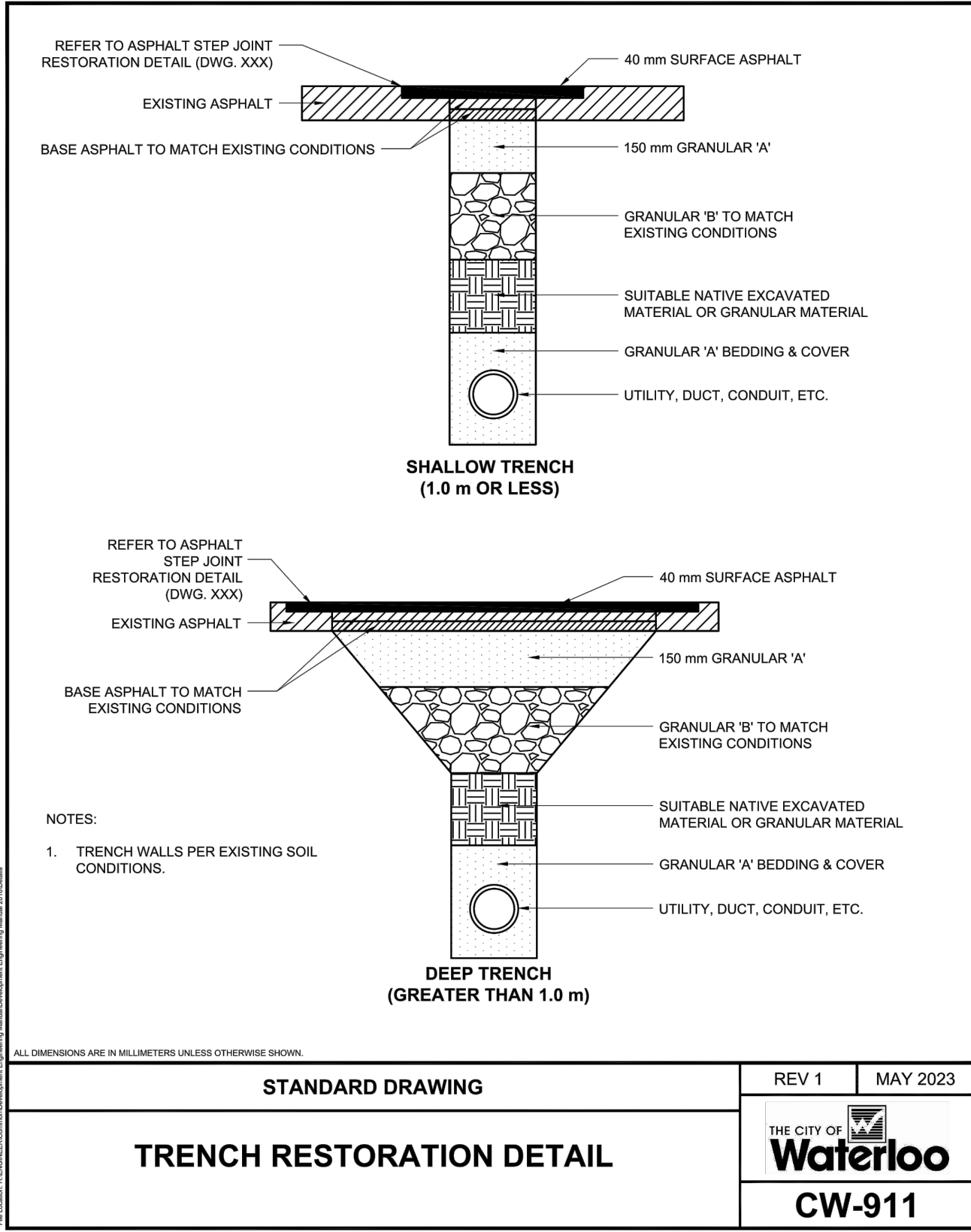
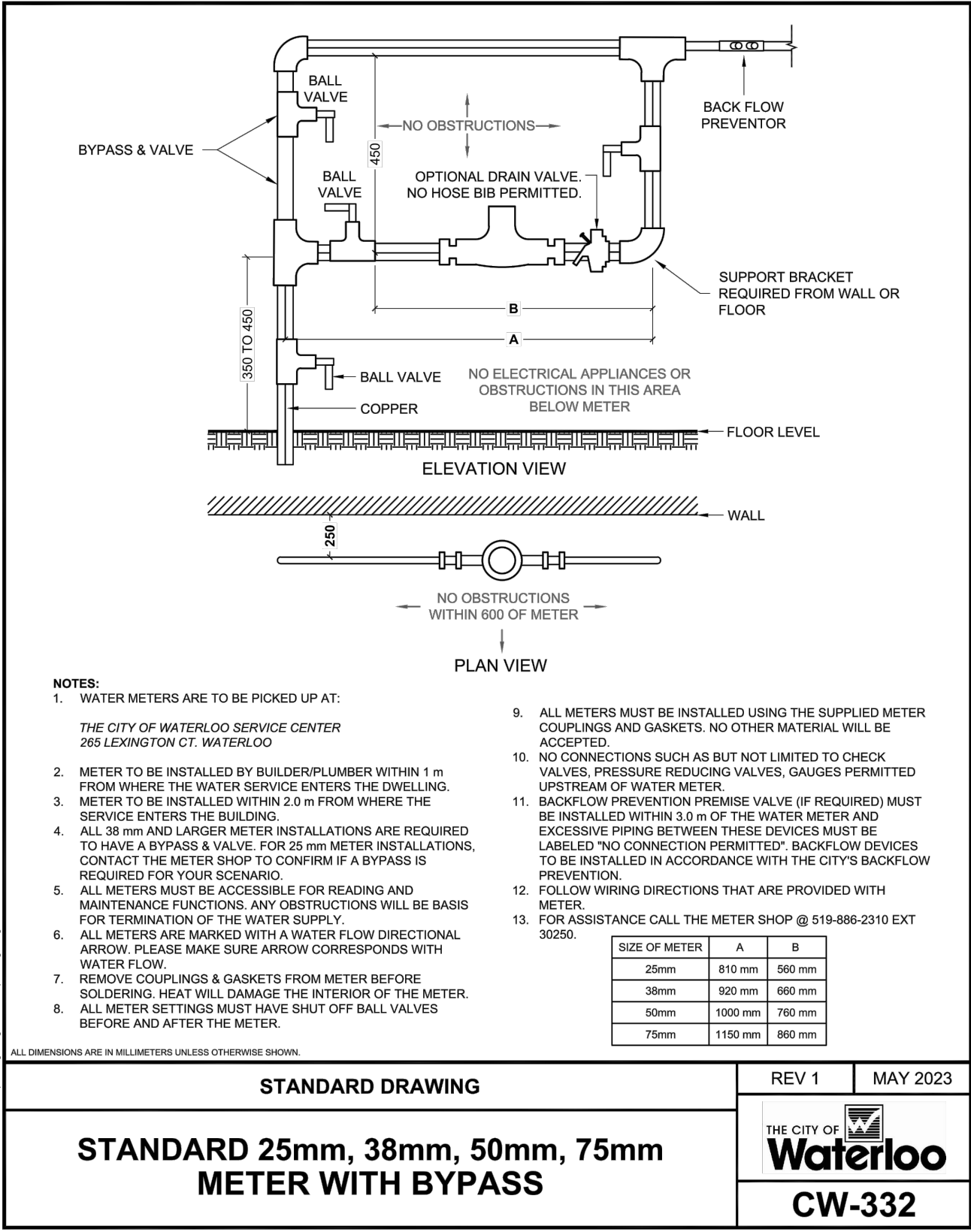


GENERAL NOTES:

1. PRIOR TO STARTING ANY WORKS, THE CONTRACTOR MUST ENSURE THAT ALL NECESSARY APPROVALS ARE PLACE FROM THE CITY OF WATERLOO, REGION OF WATERLOO AS REQUIRED.
2. ALL WORKS SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF WATERLOO, REGION OF WATERLOO, M.O.E., AND OPSD/OPSS.
3. ALL RESTORATIONS AND RELOCATION SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY OF WATERLOO, ALL AREAS WITHIN PUBLIC RIGHT-OF-WAYS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. GRASSED AREAS SHALL BE PROVIDED WITH 200 mm OF TOPSOIL AND SODDED TO THE SATISFACTION OF THE CITY OF WATERLOO.
4. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY CONSULTING THE CONCERNED UTILITY COMPANIES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE DURING CONSTRUCTION.
5. ALL DIMENSIONS, ELEVATIONS, AND OTHER INFORMATION SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES FOUND MUST BE REPORTED IMMEDIATELY TO THE ENGINEER PRIOR TO CONSTRUCTION.
6. READ ALL CIVIL DRAWINGS IN CONJUNCTION WITH ALL CONTRACT DOCUMENTS, INCLUDING ARCHITECTURAL, STRUCTURAL, ELECTRICAL, MECHANICAL, LANDSCAPE AND VENDOR DRAWINGS AS APPLICABLE.
7. THE CONTRACTOR SHALL KEEP WORK SITES CLEAN AND FREE OF ALL CONSTRUCTION DEBRIS DURING THE PROCESS OF CONSTRUCTION AND LEAVE THE SITE CLEAN UPON COMPLETION OF WORK OR PORTIONS OF THE WORK.
8. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING:  
-OCCUPATIONAL HEALTH AND SAFETY ACT  
-ONTARIO REGULATION 213/91 - CONSTRUCTION PROJECTS  
-THE ONTARIO BUILDING CODE AND THE NATIONAL BUILDING CODE  
-THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS / DRAWINGS
9. ALL BUILDING ELEVATIONS (MAIN FINISHED FLOOR, TOP OF FOUNDATION, BASEMENT FINISHED FLOOR) TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS.
10. CCTV SHALL BE COMPLETED AFTER CONSTRUCTION TO ENSURE THAT THE SEWERS HAVE NOT BEEN COMPROMISED DURING CONSTRUCTION.
11. BUILDING SERVICES SHALL TERMINATE AT 1.5m FROM THE FACE OF THE BUILDING. SITE SERVICES CONTRACTOR TO COORDINATE, WITH THE MECHANICAL CONTRACTOR, THE CONNECTION OF SITE SERVICES, INCLUDING SANITARY AND WATER, TO THE INTERNAL SERVICES.
12. GRADING IS NOT TO ADVERSELY AFFECT ADJACENT PROPERTIES.
13. ALL WORK WITHIN MUNICIPAL RIGHT-OF-WAYS REQUIRES ROAD OCCUPANCY PERMIT.
14. THE CONTRACTOR SHALL ENSURE ALL NEW AND EXISTING MANHOLES / VALVES AND ANY OTHER APPURTENANCE WITHIN THE CONSTRUCTION AREA, TO MATCH FINISHED GRADE, AS REQUIRED.
15. REMOVAL OF EXISTING FEATURES OF THE SITE ARE TO BE CARRIED OUT IN ACCORDANCE WITH OPSS. MUNI.510 AS APPLICABLE.
16. ALL BARRIER CURBS AS PER OPSD 600.110.
17. SIDEWALKS AS PER OPSD 310.010. IN LOCATIONS WHERE SIDEWALK IS ADJACENT TO CURB AND GUTTER, SIDEWALK TO BE AS PER OPSD 310.020. SIDEWALKS TO BE 125mm THICK, 30MPa CONCRETE COMPLETE WITH 100mm THICK GRANULAR 'A' BASE COMPACTED TO 100% SPMDD. SIDEWALKS ARE TO MEET THE LATEST THE CITY OF WATERLOO STANDARDS.
18. COMPACTION TESTS TO BE PROVIDED BY THE CONTRACTOR THROUGH A THIRD PARTY TESTING AGENCY.



KEYPLAN

METRIC:

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

BENCHMARK:

ELEVATIONS ARE BASED ON GPS OBSERVATIONS FROM PERMANENT REFERENCE STATIONS IN THE NAD83 (CSRS-2010) COORDINATE SYSTEM, WITH HEIGHTS CONVERTED TO ORTHOMETRIC ELEVATIONS ON THE CGVD28 DATUM (1978 ADJUSTMENT) WITH GEOID MODEL HTv2.0, AS SUPPLIED BY NATURAL RESOURCES CANADA.

SITE BENCHMARK #1: NAIL ON HYDRO POLE ALONG HAZEL STREET APPROX. 9.5m NORTH FROM NORTH EAST CORNER OF THE SUBJECT PROPERTY, HAVING AN ELEVATION OF 332.54 METRES.

SITE BENCHMARK #2: NAIL ON HYDRO POLE ALONG HAZEL STREET APPROX. 14.0m SOUTH EAST FROM SOUTH EAST CORNER OF THE SUBJECT PROPERTY, HAVING AN ELEVATION OF 332.87 METRES.

BEARING AND COORDINATE NOTE:

BEARINGS ARE GRID BEARINGS AND ARE DERIVED FROM GPS OBSERVATIONS AND ARE REFERRED TO THE UTM PROJECTION, ZONE 17, NAD 83 (CSRS-2010) ADJUSTMENT.

DISTANCES SHOWN ON THIS PLAN ARE ADJUSTED GROUND DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY AN AVERAGED COMBINED SCALE FACTOR OF 0.999571

COORDINATES ON THIS PLAN ARE UTM, ZONE 17, NAD83 (CSRS-2010) ADJUSTMENT AND ARE BASED ON GPS OBSERVATIONS FROM A NETWORK OF PERMANENT GPS REFERENCE STATIONS.

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| 0    | 2025/03/04 | FOR SITE PLAN APPROVAL | FS |
| REV. | DATE       | DESCRIPTION            | BY |

MUNICIPALITY

THE CITY OF  
**Waterloo**

ENGINEER'S STAMP  
LUBAN  
7373 LONGHEAD AVENUE, NIAGARA FALLS, ONTARIO, L2G7S4  
TEL: 226-688-7828, EMAIL: FENG.SH@LUBAN.CA

CIVIL ENGINEER

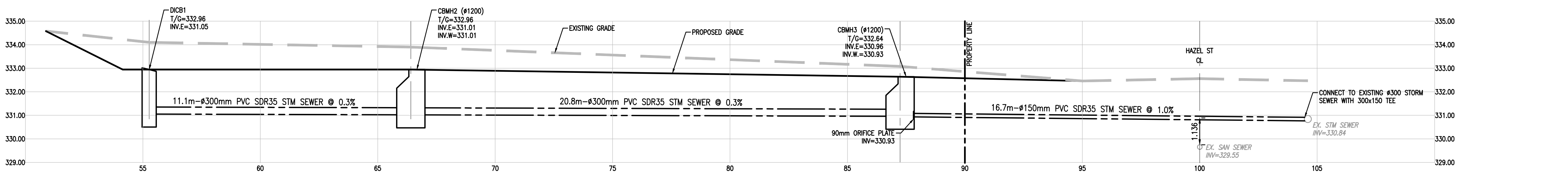
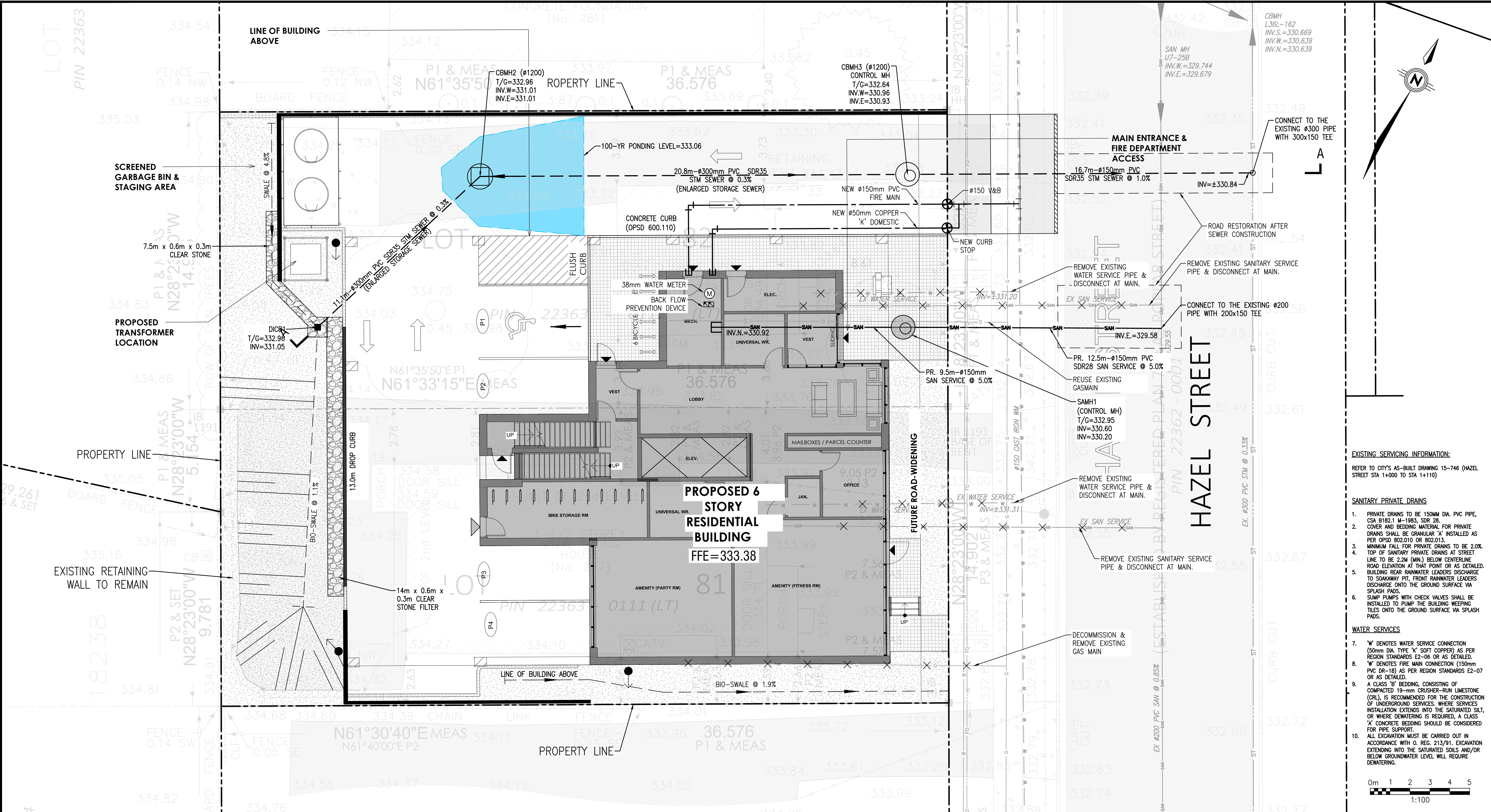
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ARCHITECT  
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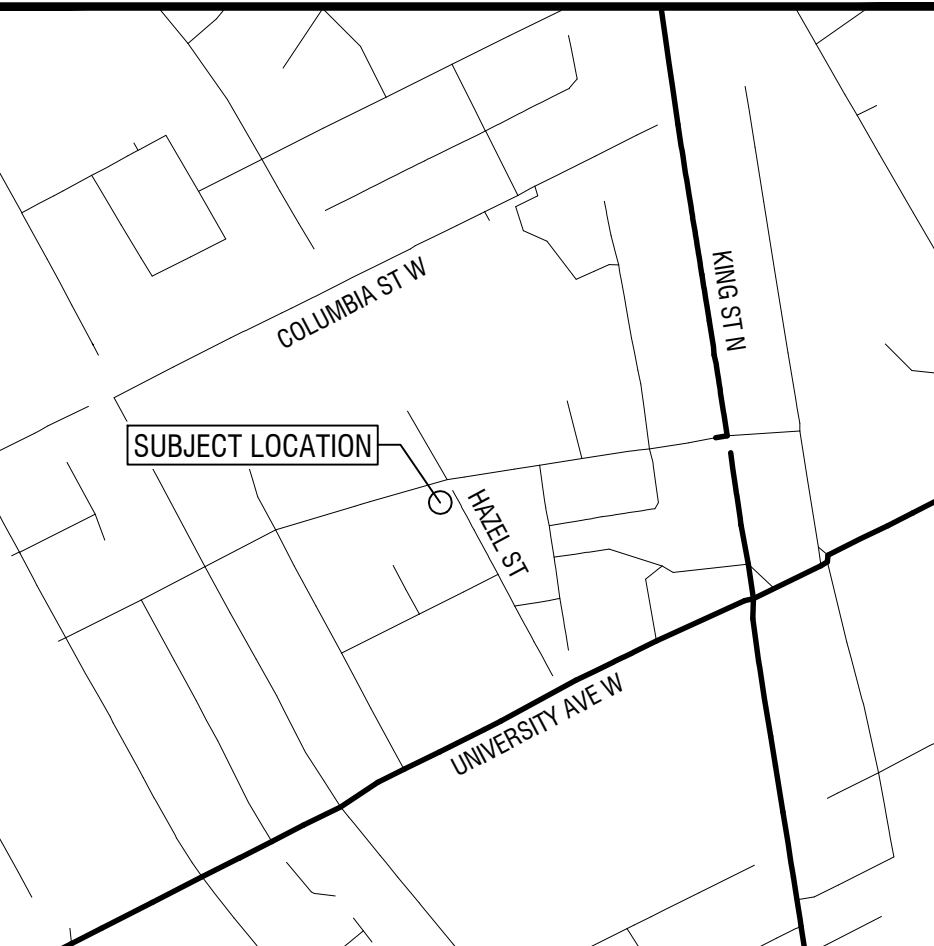
NOTES & STANDARDS  
APARTMENT

277-279 HAZEL ST, WATERLOO, ONTARIO

|              |            |             |                   |
|--------------|------------|-------------|-------------------|
| DESIGNED BY: | MG         | SCALE:      | CONTRACT No.      |
| CHECKED BY:  | FS         | HORIZONTAL: | SHEET             |
| DRAWN BY:    | MG         | VERTICAL:   | No 1 OF 6         |
| DATE:        | 2025/03/04 |             | C1<br>DRAWING No. |



SECTION A-A: STORM SEWER PROFILE



KEYPLAN

- LEGENDS:
- EX GAS
  - EX WATER MAIN
  - EX STORM
  - EX SAN
  - PR SANITARY2
  - PR SILT FENCE
  - SWALE
  - REPAIR WALL
  - EXISTING SERVICE
  - PROPOSED SERVICE
  - WATER VALVE
  - WATER METER
  - BACK FLOW PREVENTER
  - CB
  - SANITARY MANHOLE
  - SUMP PUMP
  - DOWNSPOUT
  - ENTRANCE SYMBOL
  - OVERLAND FLOW

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| 0    | 2025/03/04 | FOR SITE PLAN APPROVAL | FS |
| REV. | DATE       | DESCRIPTION            | BY |

MUNICIPALITY

THE CITY OF  
**Waterloo**

ENGINEER'S STAMP

CIVIL ENGINEER

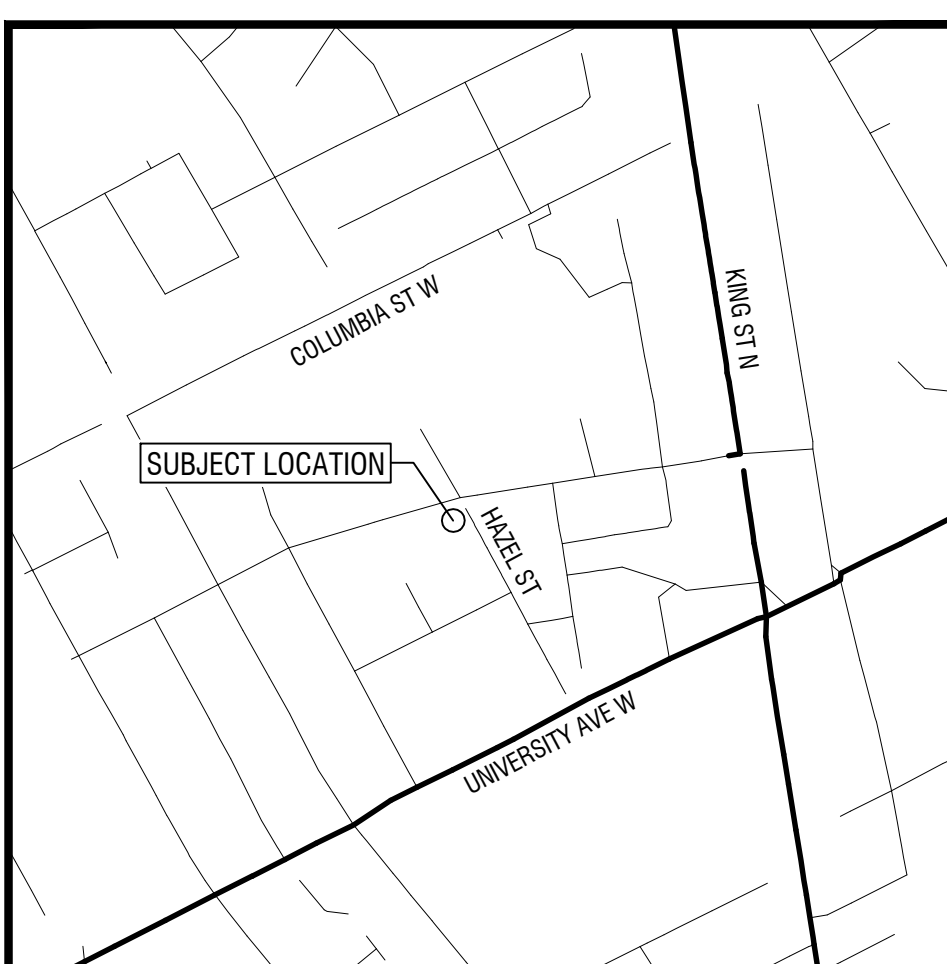
7373 LINDHEAD AVENUE, NIAGARA FALLS, ONTARIO, L2T6S4  
TEL: 226-688-7828, EMAIL: FENG.SH@LUBAN.CA

CLIENT

ARCHITECT

SITE SERVICING PLAN  
APARTMENT  
277-279 HAZEL ST, WATERLOO, ONTARIO

|              |            |                   |                 |
|--------------|------------|-------------------|-----------------|
| DESIGNED BY: | MG         | SCALE:            | CONTRACT No.    |
| CHECKED BY:  | FS         | HORIZONTAL: 1:100 | SHEET No 2 OF 6 |
| DRAWN BY:    | MG         | VERTICAL:         | C2              |
| DATE:        | 2025/03/04 |                   | DRAWING No.     |



# LEGENDS:

— G ———— EX GAS

— W — W — W — EX WATER MAIN

———— EX STORM

———— SAN ———— EX SAN

———— **SAN** ———— **PR SANITARY**

— X — X — X — PR SILT FENCE

— — — — — ) ( ———— SWALE

———— **RETICING WALL**

— ○ — ○ — Cdn HEIGHT INCHES

**EXIST** PROPOSED GRADE

⊗ WATER VALVE

Ⓜ WATER METER

 BACK FLOW PREVENTER

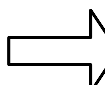
■ CB

⊙ **SANITARY MANHOLE**

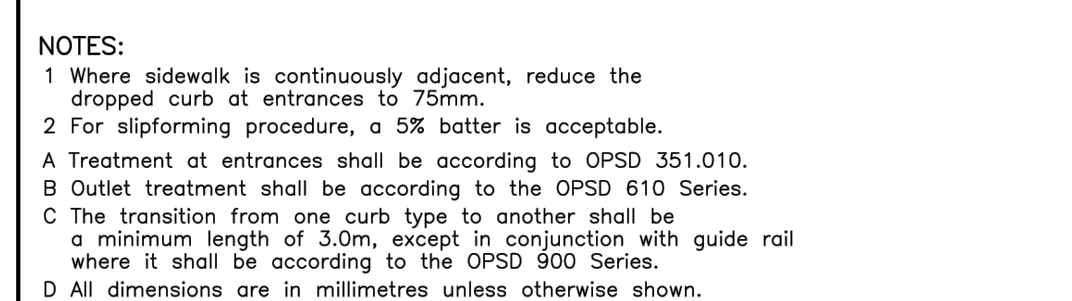
SP SUMP PUMP

●→ DOWNSPOUT

△ ENTRANCE SYMBOL

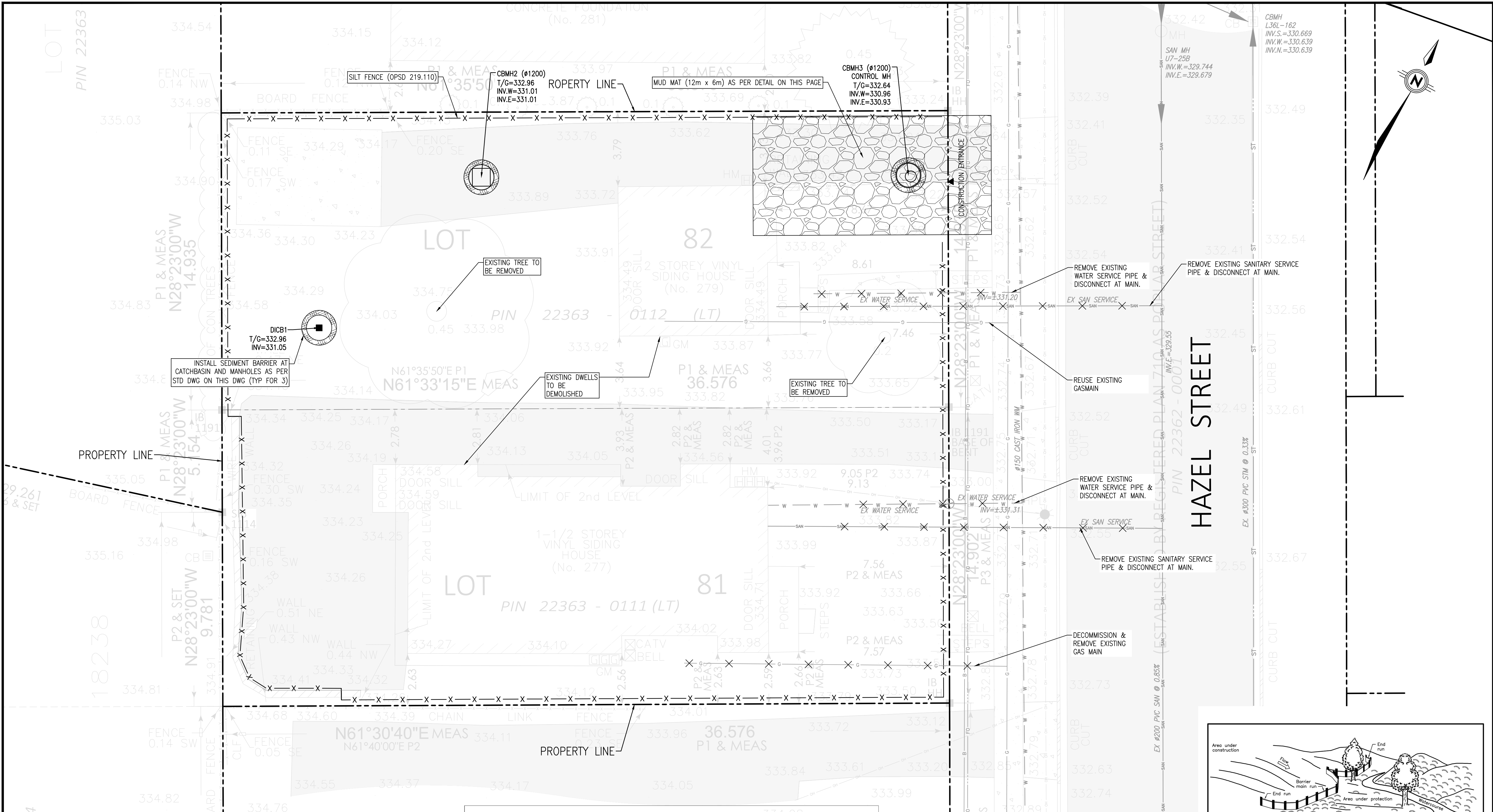
 OVERLAND FLOW

|                                                                                                                   |                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MUNICIPALITY                                                                                                      |                                                                                                                                                                                                       |
| THE CITY OF  <b>Waterloo</b> |                                                                                                                                                                                                       |
| ENGINEER'S STAMP                                                                                                  | CIVIL ENGINEER                                                                                                                                                                                        |
|                              |  <b>LUBAN</b><br>7373 LINDSEDAVENUE, MAGARA FALLS, ONTARIO, L2G7S4<br>TEL. 226-688-7928, EMAIL: FENG.SH@LUBAN.CA |



|                                     |          |              |                                                                                       |
|-------------------------------------|----------|--------------|---------------------------------------------------------------------------------------|
| ONTARIO PROVINCIAL STANDARD DRAWING | Nov 2006 | Rev 1        |  |
| CONCRETE BARRIER CURB               |          |              |                                                                                       |
|                                     |          | OPSD 600.110 |                                                                                       |

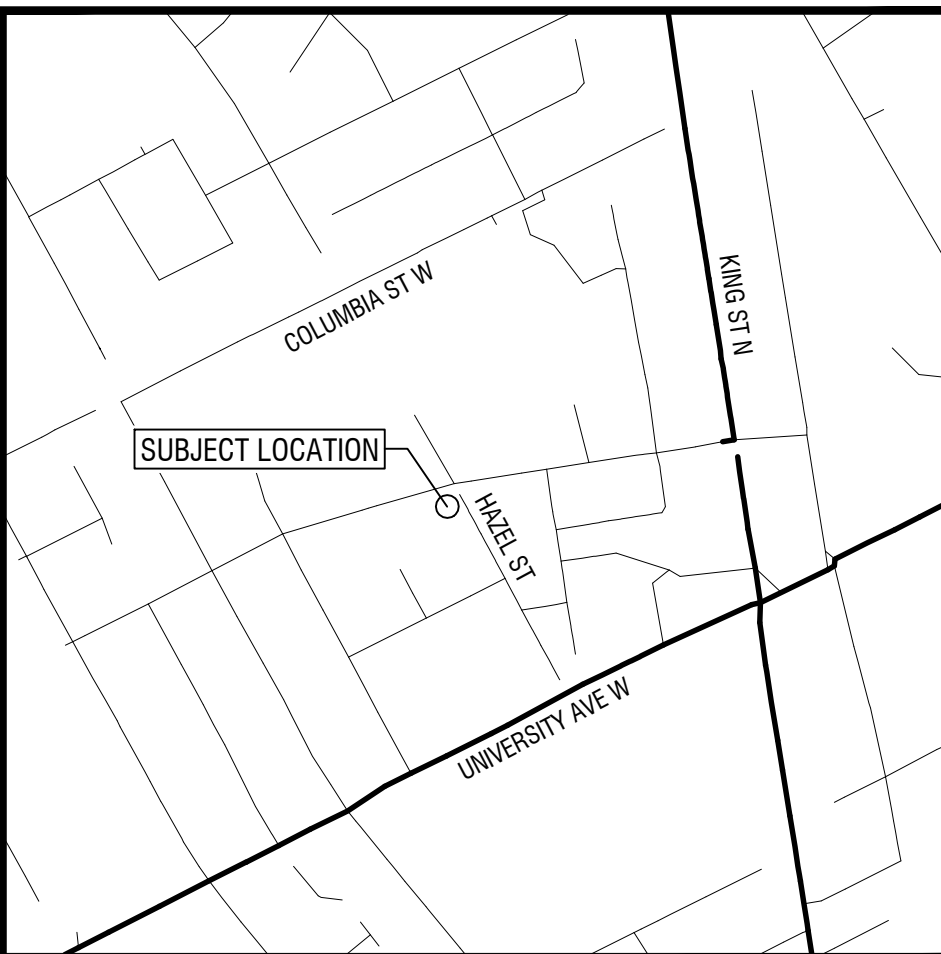
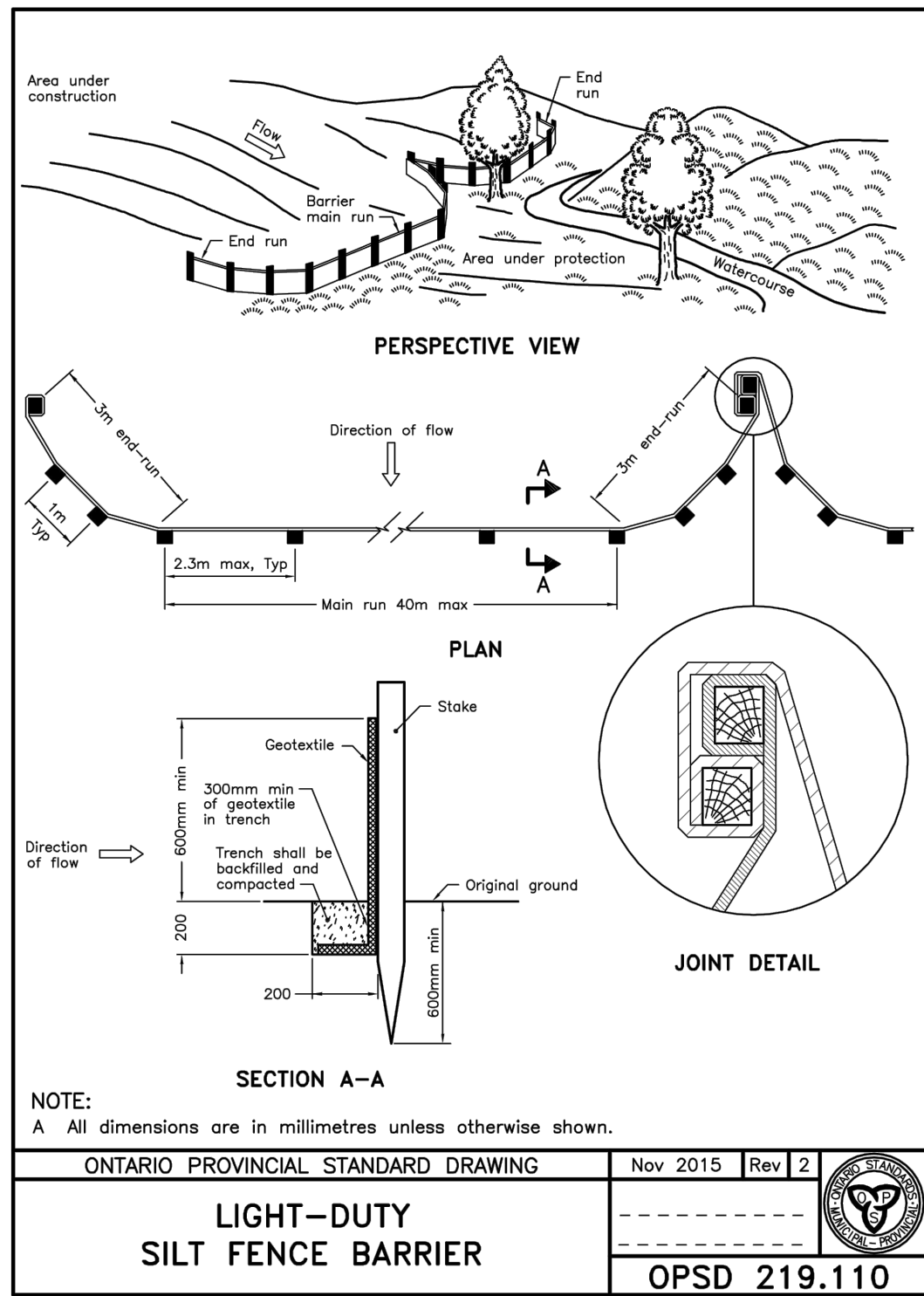
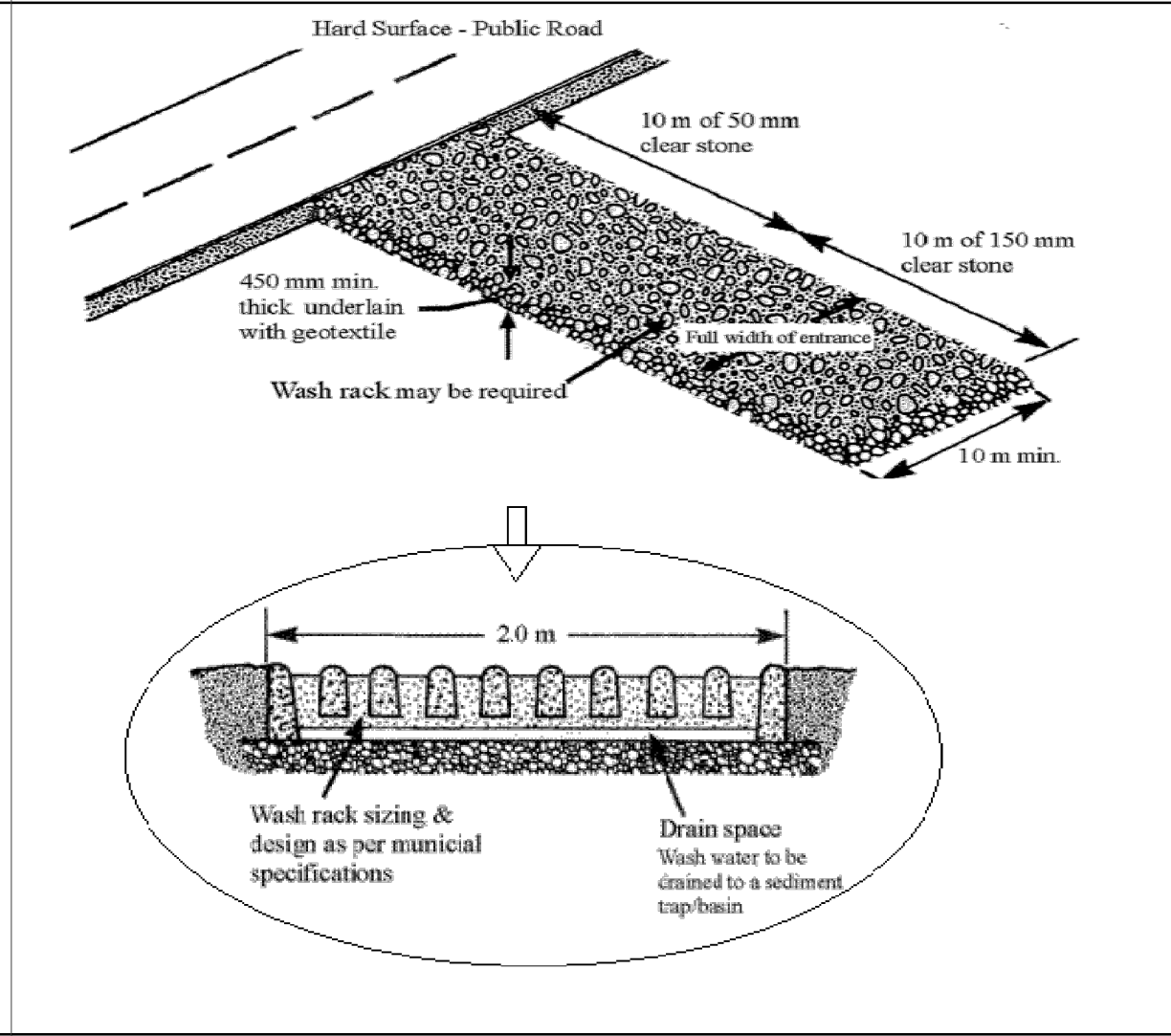
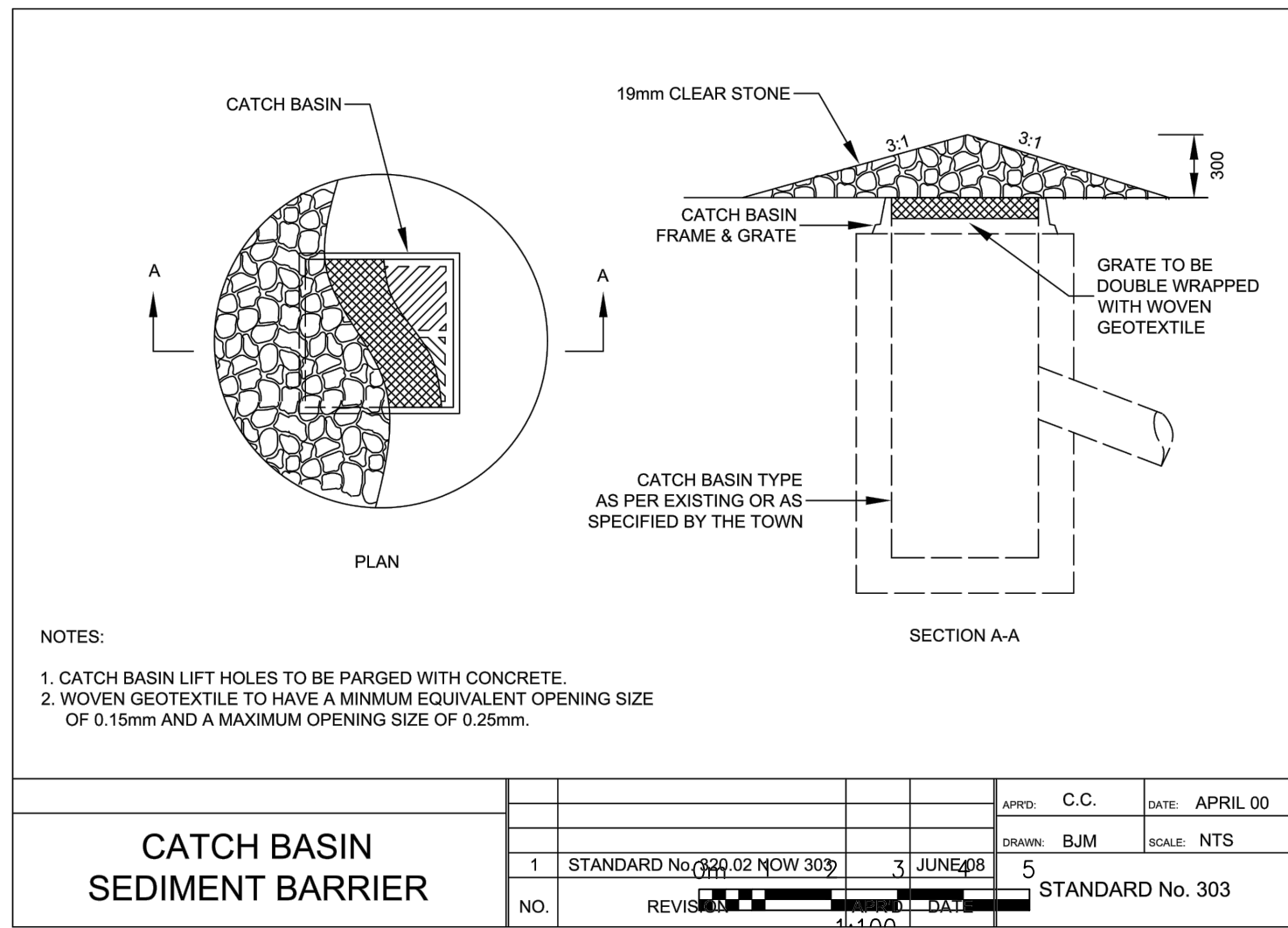
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GENERAL NOTES (FOR SITE ALTERATION)

- PRIOR TO COMMENCEMENT OF ANY ON-SITE WORK/SOIL STRIPPING, EROSION & SEDIMENT CONTROL (ESC) MEASURES, AS PER ACCEPTED SITE ALTERATION PLANS. MUST BE INSTALLED AND APPROVED BY THE DEVELOPER'S ENGINEER. ADDITIONAL ESC MEASURES, IF REQUIRED, SHALL BE INSTALLED AS DIRECTED BY THE DEVELOPER'S ENGINEER. THE ESC MEASURES SHALL REMAIN IN PLACE UNTIL DIRECTED BY THE DEVELOPER'S ENGINEER FOR THEIR REMOVAL.
- NO CONSTRUCTION ACTIVITIES OR MACHINERY SHALL BE ALLOWED BEYOND THE SILT FENCE OR LIMITS OF THE PROPERTY.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ESC MEASURES IN WORKING CONDITIONS AT ALL TIMES TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING. THE CONTRACTOR SHALL ROUTINELY INSPECT ALL ESC MEASURES AT A MINIMUM OF ONCE A WEEK AND AFTER EACH RAINFALL EVENT GREATER THAN 10 mm TO ENSURE THAT ESC MEASURES ARE IN PROPER WORKING CONDITIONS. ANY DAMAGES MUST BE REPAIRED WITHIN 24 HOURS.
- ALL CONSTRUCTION VEHICLES MUST ENTER AND EXIT THE SITE ONLY

- FROM THE APPROVED ACCESS ROUTE(S) AS SHOWN ON THE ACCEPTED EROSION CONTROL PLANS.
- ALL DISTURBED GROUND LEFT INACTIVE FOR OVER 30 DAYS SHALL BE VEGETATED, SUBJECT TO WEATHER CONDITIONS, BY SEEDING OR APPROVED EQUIVALENT TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING.
  - STREET SWEEPING/CATCHBASIN CLEANING PROGRAM SHALL BE IMPLEMENTED UPON COMPLETION OF BASE ASPHALT TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING.
  - THE CONTRACTOR SHALL ENDEAVOUR TO PREVENT MUD TRUCKING ONTO EXISTING RIGHT-OF-WAY AND SHALL PROVIDE CLEAN UP AT HIS/HER OWN EXPENSE AS DIRECTED BY THE DIRECTOR OF ENGINEERING.
  - NO EROSION MEASURES WILL BE REMOVED WITHOUT NOTIFICATION FROM THE ENGINEER.



KEYPLAN

LEGENDS:

- EX GAS
- EX WATER MAIN
- EX STORM
- EX SAN
- PR SANITARY2
- PR SILT FENCE
- SWALE
- RETAINING WALL
- 0.3m VERT. INTERVAL
- PROPOSED GRADE
- WATER VALVE
- WATER METER
- BACK FLOW PREVENTER
- CB
- SANITARY MANHOLE
- SUMP PUMP
- DOWNSPOUT
- ENTRANCE SYMBOL
- OVERLAND FLOW

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| 0    | 2025/03/04 | FOR SITE PLAN APPROVAL | FS |
| REV. | DATE       | DESCRIPTION            | BY |

MUNICIPALITY

THE CITY OF **Waterloo**

ENGINEER'S STAMP

CIVIL ENGINEER

**LUBAN**

7373 LONGHEAD AVENUE, NIAGARA FALLS, ONTARIO, L2G7S4  
TEL: 226-688-7828, EMAIL: FENG.SH@LUBAN.CA

CLIENT

ARCHITECT

**DESIGN**  
KHALSA

**REMOVAL & EROSION CONTROL PLAN**

**APARTMENT**

277-279 HAZEL ST, WATERLOO, ONTARIO

|              |            |             |              |
|--------------|------------|-------------|--------------|
| DESIGNED BY: | MG         | SCALE:      | CONTRACT No. |
| CHECKED BY:  | FS         | HORIZONTAL: | 1:100        |
| DRAWN BY:    | MG         | VERTICAL:   |              |
| DATE:        | 2025/03/04 |             |              |

|             |           |
|-------------|-----------|
| SHEET       | No 4 OF 6 |
| DRAWING No. | C4        |