







CLIENT

COPYRIGHT

This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO. 2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS

KEY PLAN

1:500

SEAL

PROJECT

W.O. STINSON  
5545 ALBION ROAD  
  
ALBION & MITCH OWENS

PROJECT NO:  
143219

DRAWN BY:  
D.D. / M.M.

CHECKED BY:  
R.M./D.G.Y.

PROJECT MGR:  
R.M.

APPROVED BY:  
D.G.Y.

SHEET TITLE

REMOVALS

SHEET NUMBER

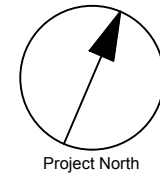
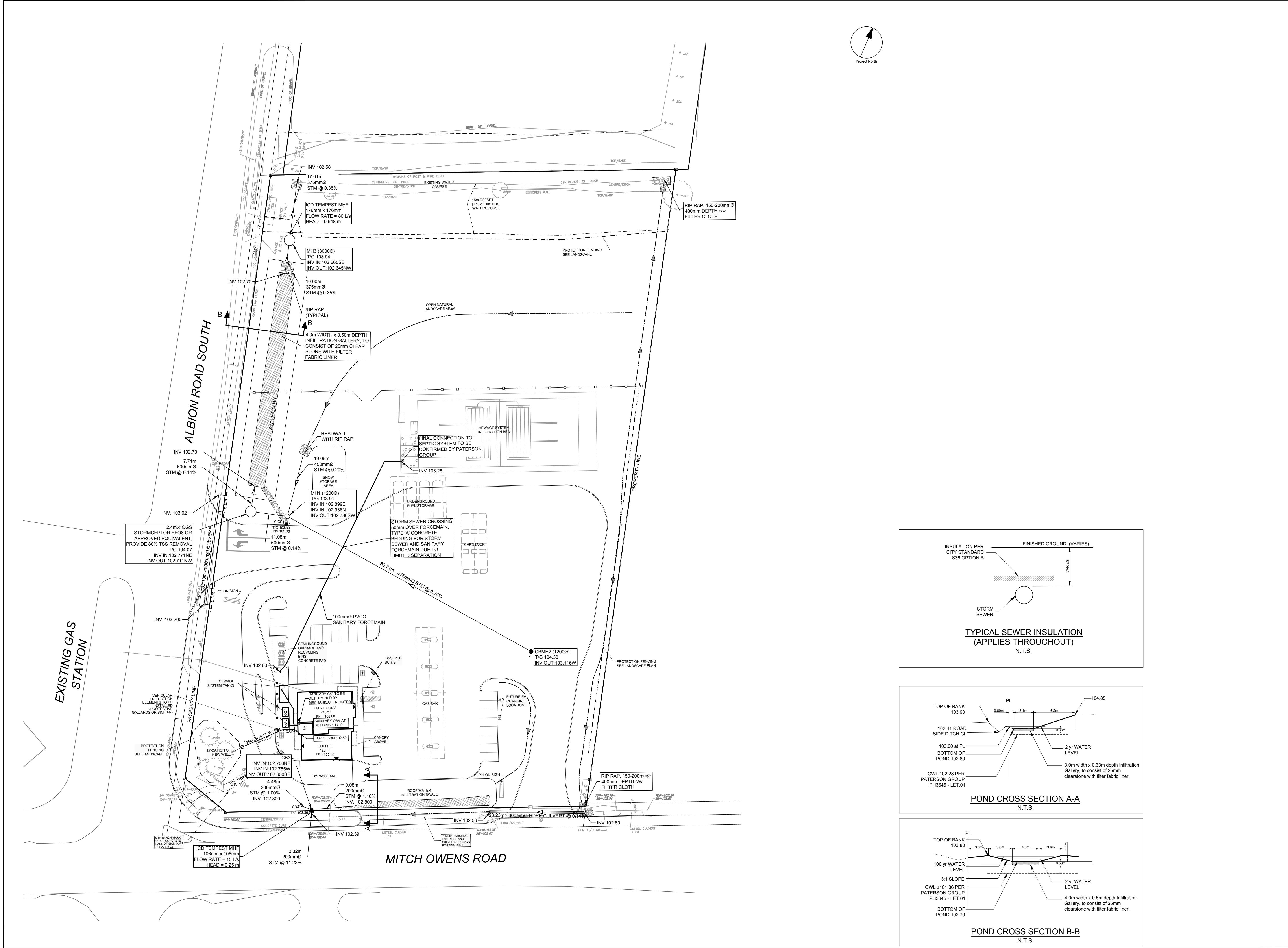
C-REM

ISSUE

6

File Location: J:\143219\_WO Stinson\7.0\_Production\7.03\_Design\04\_Civil\Sheets\REM REMOVALS.dwg Last Saved: March 26, 2025 by mlinen4268 Plotted: May 28, 2025 8:00:50 PM by Milne, Marian 1"=100m XXXXX



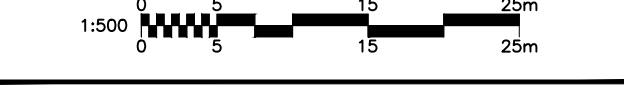
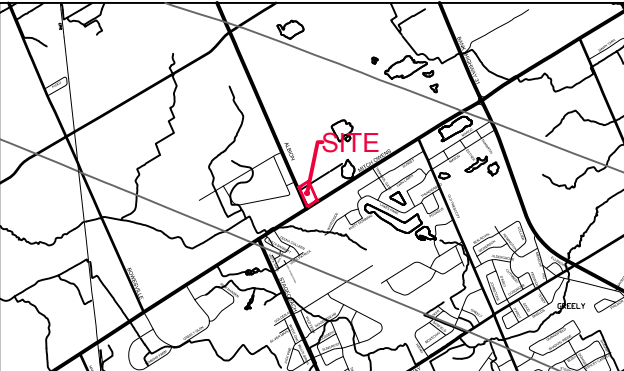


**COPYRIGHT**  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

ISSUES		
No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO. 2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS

KEY PLAN



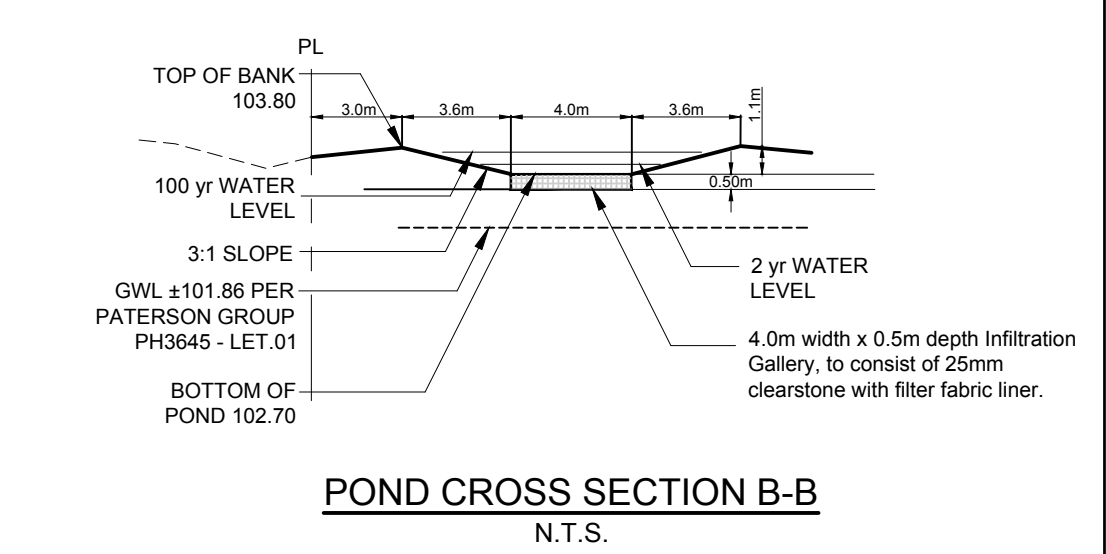
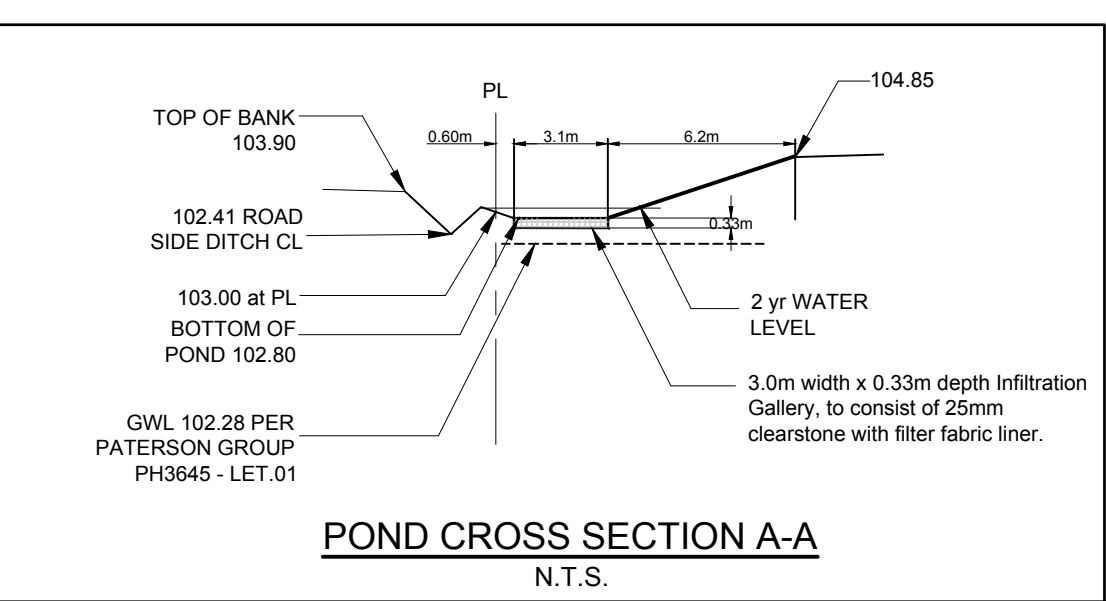
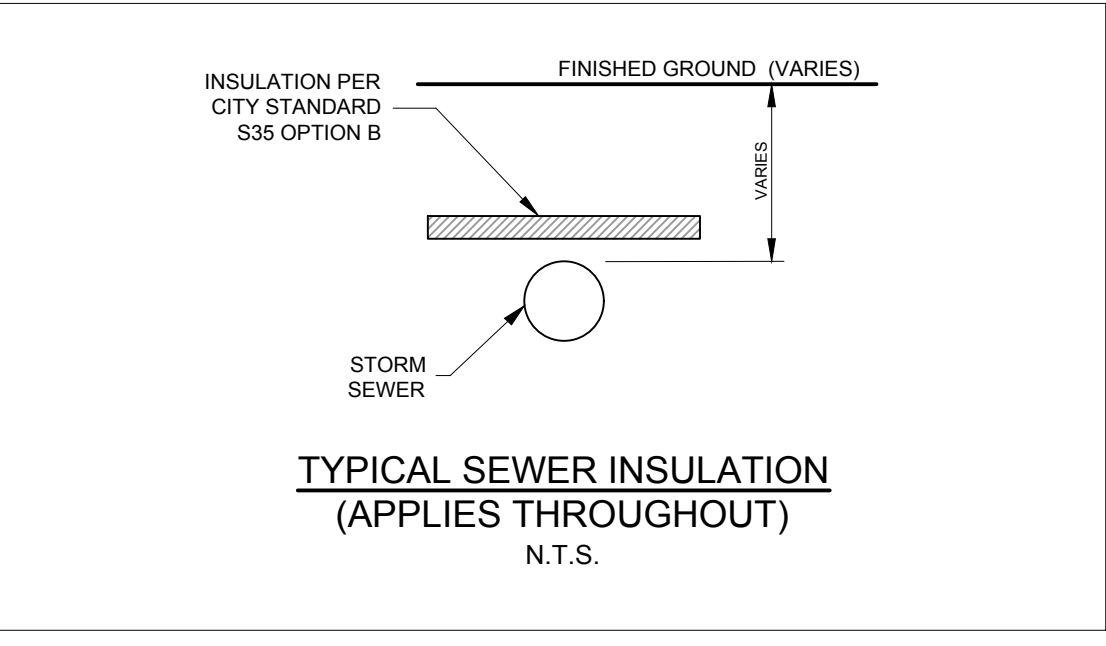
**ARCADIS**  
333 Preston Street - Suite 500  
Ottawa ON K1S 5N4 Canada  
tel 613 225 1311  
www.arcadis.com

**PROJECT**  
W.O. STINSON  
5545 ALBION ROAD  
ALBION & MITCH OWENS

**PROJECT NO:** 143219  
**DRAWN BY:** D.D. / M.M.  
**PROJECT MGR:** R.M.  
**CHECKED BY:** R.M./D.G.Y.  
**APPROVED BY:** D.G.Y.

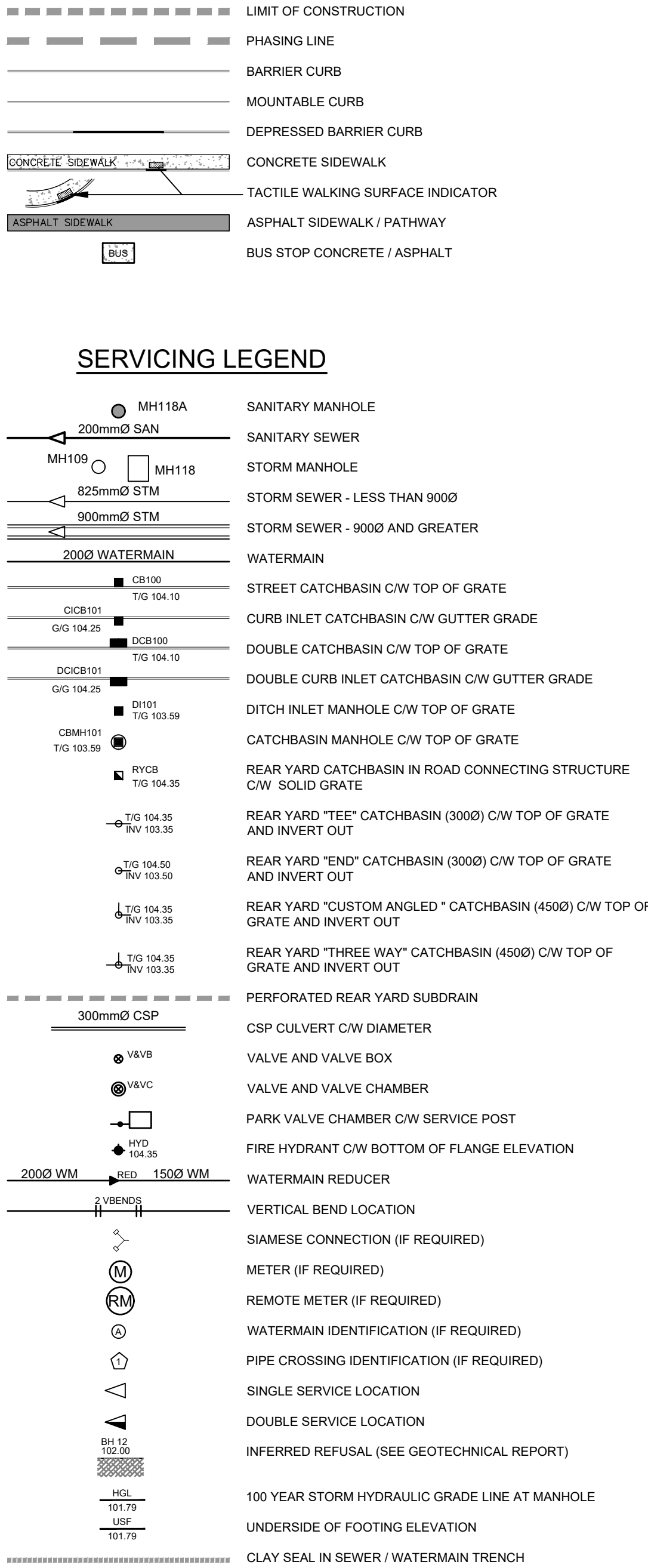
**SHEET TITLE**  
GENERAL PLAN OF SERVICES

**SHEET NUMBER** C-001  
**ISSUE** 6

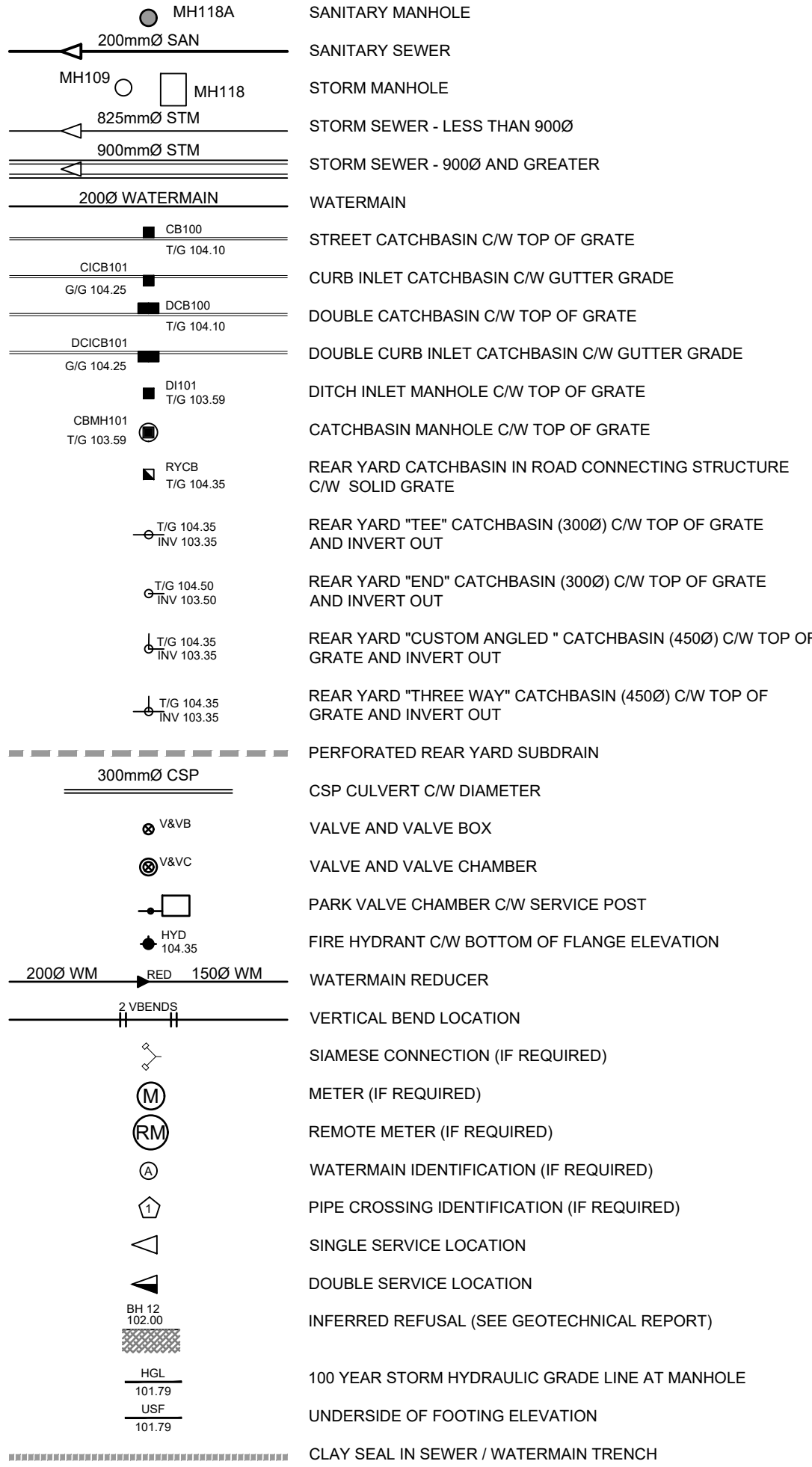




GENERAL LEGEND



SERVICING LEGEND



UTILITY NOTES :

1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
2. THE POSITION OF UNDERGROUND AND ABOVEGROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
5. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
6. THE COMPOSITE UTILITY PLAN HAS BEEN REVIEWED BY ARCADIS FOR CONFORMITY TO THE DESIGN CONCEPT FOR THE DEVELOPMENT AND FOR GENERAL ARRANGEMENT ONLY AND AS SUCH SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN EITHER LAYOUT OR WORKMANSHIP.
7. THIS DRAWING IS A COMPILATION OF OTHER UTILITY DESIGNS AND DOES NOT INDICATE IN ANY WAY THAT THE PARTY SIGNING THIS DRAWING HAS DESIGNED OR APPROVED THE RESPECTIVE UTILITY PLANTS INDICATED ON THIS DRAWING. THE DRAWING WAS PREPARED TO BE USED AS REFERENCE ONLY AS PER REQUIREMENTS OF THE CITY OF OTTAWA. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE IT HAS REVIEWED THE CURRENT AND EXISTING DESIGNS BY HYDRO, STREET LIGHTING, BELL, CANADA POST, O.C. TRANSP, CABLE TV AND ANY OTHER PARTIES INCLUDED BUT NOT MENTIONED AND COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAKEHOLDER UTILITY DESIGNS.
8. CONTRACTOR TO ADVISE ENGINEER IN WRITING OF ANY DISCREPANCIES IN THE HYDRO, BELL, ROGERS, ENBRIDGE, AND STREETLIGHT DRAWINGS, AND THE CUP AHEAD OF INSTALLATION.
9. HYDRO INSPECTOR IS TO BE NOTIFIED AND PRESENT AHEAD OF HYDRO INSTALLATION
10. BELL AND ROGERS VAULT EASEMENT SIZE AND LOCATION ARE AS SHOWN ON THE CUP. ANY LOCATION DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER IN WRITING AHEAD OF INSTALLATION.
11. BELL AND ROGERS VAULTS ARE TO BE PLACED TO THE EXTENT POSSIBLE IN THE RIGHT OF WAY RESPECTING THE REQUIRED CLEARANCES FROM DUCTS IN THE JOINT UTILITY TRENCH. IF VAULTS ARE ON PRIVATE PROPERTY THEY MUST BE PLACED WITHIN THE EASEMENT. VERIFY VAULT CORNERS PRIOR TO FINAL INSTALLATION AND FIBRE LINE PLACEMENT. VAULTS INSTALLED IN THE WRONG LOCATION OR OUTSIDE THE EASEMENTS WILL BE RELOCATED AT THE COST OF BELL AND ROGERS.
12. UTILITY EASEMENTS ARE TO BE STAKED - ALL 4 CORNERS WITH PROPOSED FINAL GRADES MARKED ON THE STAKES.
13. STREETLIGHTS ARE TO BE INSTALLED AT THE OFFSETS FROM FACE OF CURB SHOWN ON THE APPROVED ROAD SECTIONS FOR THE PROJECT.
14. CAD FILES OF THE CUP PROVIDED BY THE ENGINEER ARE AS A COURTESY ONLY TO ASSIST THE CONTRACTOR. LAYOUT OF THE UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR AND LEGAL SURVEYOR.

NOTES :

1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
2. THE POSITION OF UNDERGROUND AND ABOVEGROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL LANDS BEYOND THE SITE LIMITS. ANY AREAS BEYOND THE SITE LIMITS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ADJACENT LAND OWNER. THE OWNER, THE OWNERS REPRESENTATIVES AND/OR THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.
6. WHERE NECESSARY, THE CONTRACTOR SHALL IMPLEMENT A TRAFFIC MANAGEMENT PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE LATEST VERSION OF THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY TRAFFIC CONTROL MEASURES MUST BE REMOVED UPON THE COMPLETION OF THE WORKS.
7. SHOULD ANY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER TO CONTACT THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE MUST BE NOTIFIED IMMEDIATE, AND WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.
8. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT PGS485-1 PREPARED BY PATERSON GROUP.
9. FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY STANTEC BENCHMARK BASED ON CAN-NET VIRTUAL REFERENCE SYSTEM NETWORK.
10. FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BY HOBIN ARCHITECTURE INC.
11. FOR GEOMETRIC ROAD DESIGN DRAWINGS REFER TO PGS485-1 PREPARED BY PATERSON GROUP.
12. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES
13. ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
14. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMAINS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMAINS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
15. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER, OR ANY REGULATORY AGENCY. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISH OR UNTIL THE START OF A SUBSEQUENT PHASE.
16. CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE SHOULD THE MAXIMUM OPSD TRENCH WIDTH BE EXCEEDED.
18. ALL PIPE, CULVERTS, STRUCTURES REFER TO NOMINAL INSIDE DIMENSIONS.
19. SHOULD CLAY SEALS BE REQUIRED, THEY SHALL BE INSTALLED AS PER THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT.
20. UNLESS SPECIFICALLY NOTED OTHERWISE, PIPE MATERIALS SHALL BE AS FOLLOWS:  
-WATERMAINS TO BE PVC DR18  
-SANITARY SEWER TO BE PVC DR35  
-PERFORATED STORM SEWERS IN REAR YARDS AND LANDSCAPE AREAS TO BE HDPE  
-STORM SEWERS 375MM DIAMETER AND LESS TO BE PVC DR35  
-STORM SEWERS 450MM DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPSD 807.010 OR 807.030, OR HIGHER
21. ALL CATCHBASINS SHALL HAVE A 600MM SUMP. ALL CATCHBASIN MANHOLES, AND ALL STORM MANHOLES WITH OUTLETTING PIPE SIZES LESS THAN 900MM, SHALL HAVE A 300MM SUMP.
22. ALL SANITARY MANHOLES SHALL BE EQUIPPED WITH A WATERTIGHT COVER.
23. ALL LEADS FOR STREET CATCHBASINS AND CURB INLET CATCHBASINS CONNECTED TO MAIN SHALL BE 200MMØ PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB'S CONNECTED TO MAIN SHALL BE 200MMØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
24. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO - 3.0M MINIMUM SUBDRAINS INSTALLED LONGITUDINALLY, PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR - 3.0M MINIMUM SUBDRAINS INSTALLED ORTHOGONALLY.
25. INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A).
26. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
27. THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
28. TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CCTV INSPECTION AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
29. ALL RETAINING WALLS GREATER THAN 1.0M IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL ENGINEER.
30. ALL RETAINING WALLS GREATER THAN 0.6M IN HEIGHT REQUIRE A GUARD. ANY GUARD ON A RETAINING WALL GREATER THAN 1.0M IN HEIGHT SHALL BE DESIGNED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THE WALL DESIGN.
31. UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A CONFORMANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.

CLIENT



COPYRIGHT

This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

ISSUES

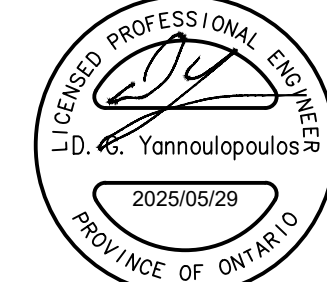
No.	DESCRIPTION	DATE
1	SUBMISSION NO.1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO.2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS

KEY PLAN



SEAL



333 Preston Street - Suite 500  
Ottawa ON K1S 5N4 Canada  
tel 613 225 1311  
[www.arcadis.com](http://www.arcadis.com)

PROJECT

W.O. STINSON  
5545 ALBION ROAD

ALBION & MITCH OWENS

PROJECT NO:

143219

DRAWN BY:

D.D. / M.M.

CHECKED BY:

R.M./D.G.Y.

PROJECT MGR:

R.M.

APPROVED BY:

D.G.Y.

SHEET TITLE

NOTES, LEGEND & CB DATA  
TABLE

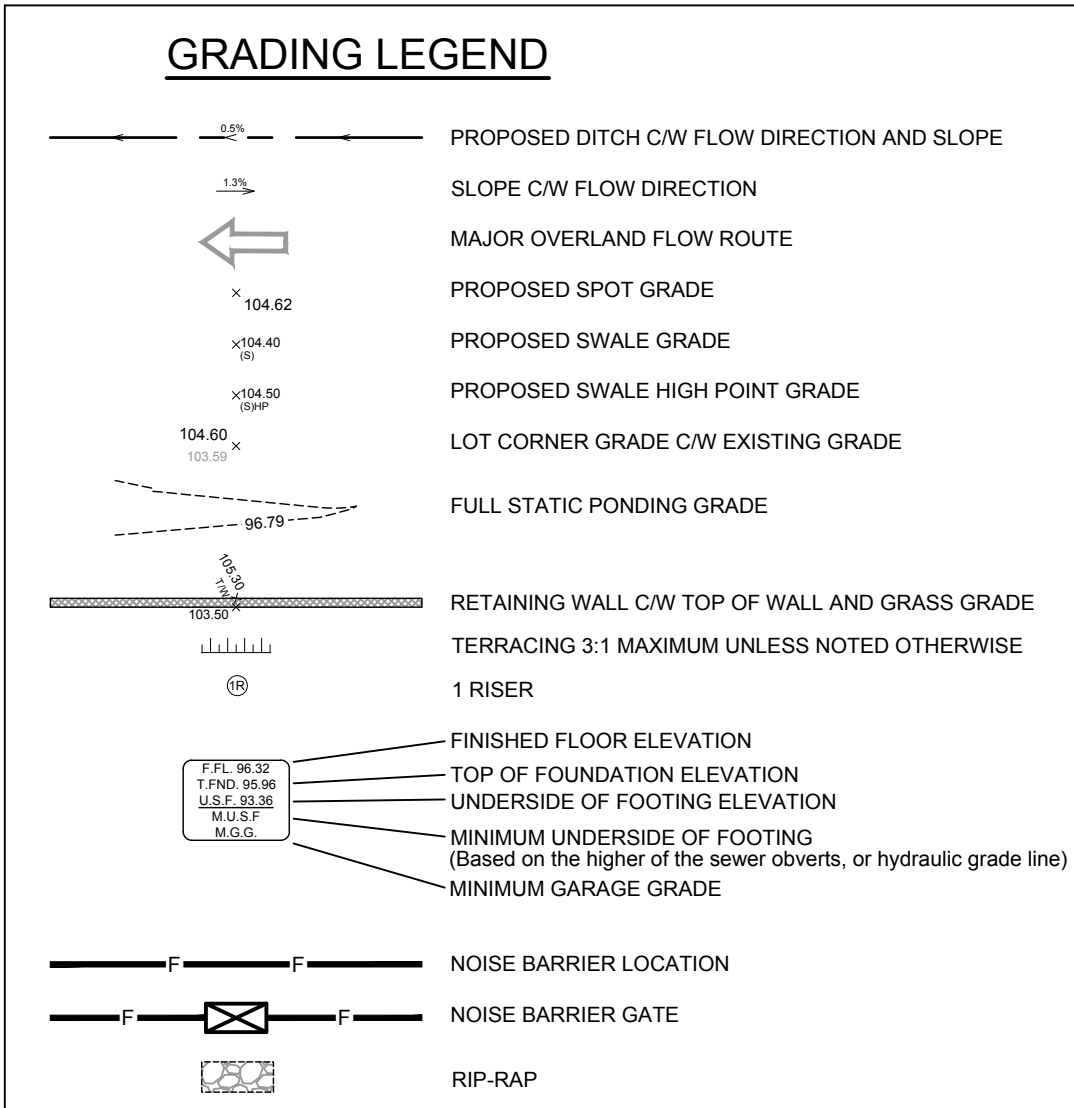
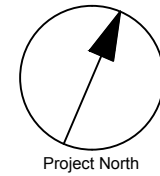
SHEET NUMBER

C-010

ISSUE

6





CLIENT

COPYRIGHT

This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO. 2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS

KEY PLAN

1:500

SEAL

PROJECT

W.O. STINSON

5545 ALBION ROAD

ALBION & MITCH OWENS

PROJECT NO:

143219

DRAWN BY:

D.D. / M.M.

CHECKED BY:

R.M./D.G.Y.

PROJECT MGR:

R.M.

APPROVED BY:

D.G.Y.

SHEET TITLE

GRADING PLAN

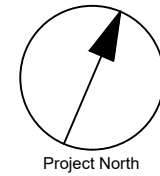
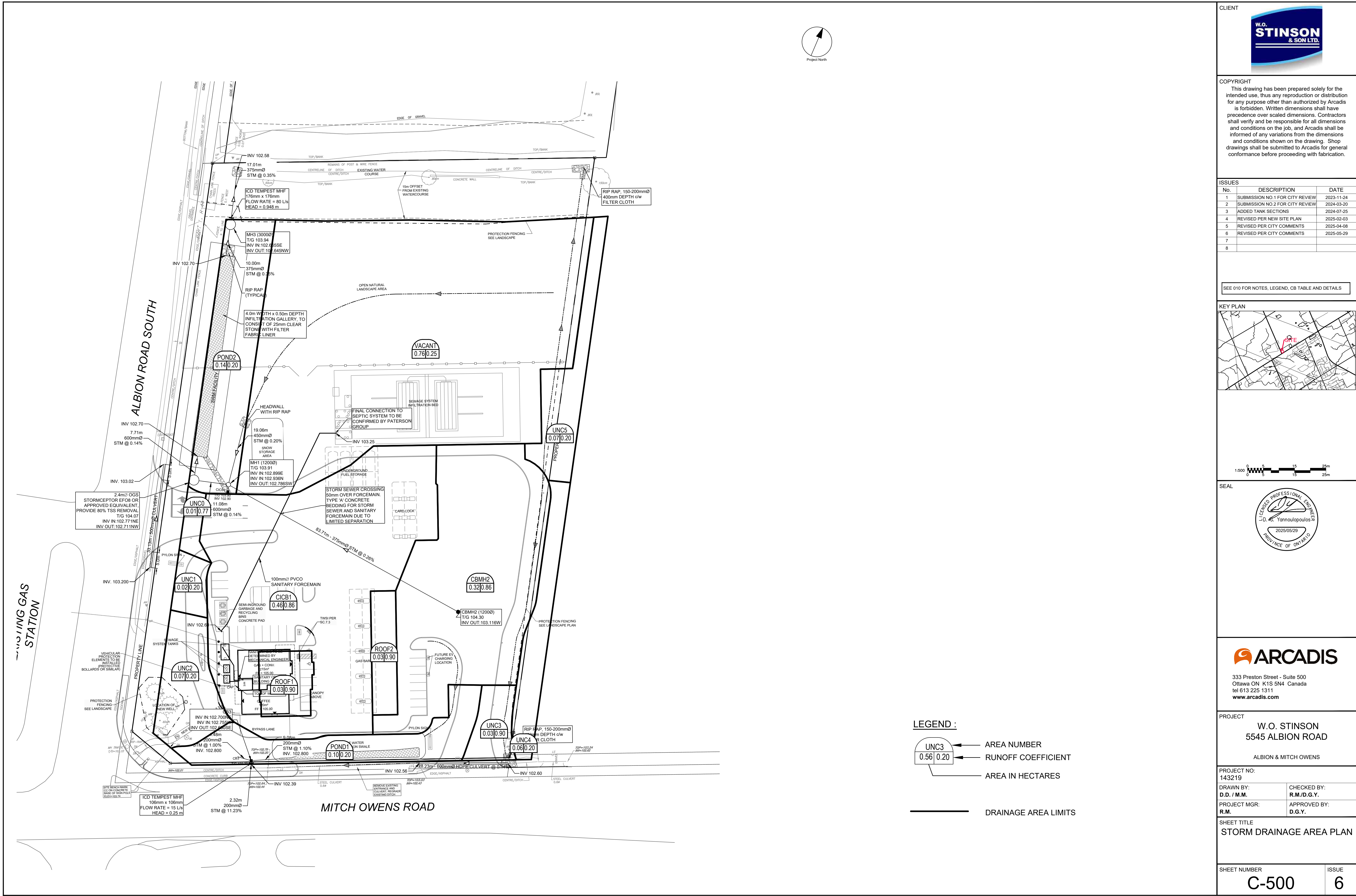
SHEET NUMBER

C-200

ISSUE

6



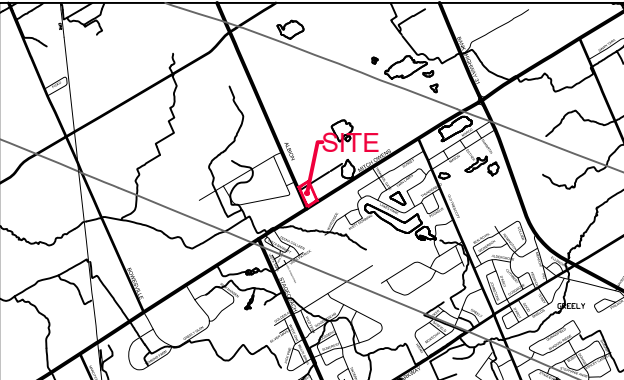


**COPYRIGHT**  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

ISSUES		
No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO. 2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS

KEY PLAN



**ARCADIS**  
333 Preston Street - Suite 500  
Ottawa ON K1S 5N4 Canada  
tel 613 225 1311  
www.arcadis.com

**PROJECT**  
W.O. STINSON  
5545 ALBION ROAD  
ALBION & MITCH OWENS

**PROJECT NO:**  
143219  
**DRAWN BY:**  
D.D. / M.M.  
**CHECKED BY:**  
R.M./D.G.Y.  
**PROJECT MGR:**  
R.M.  
**APPROVED BY:**  
D.G.Y.

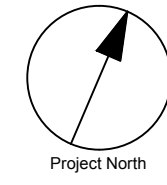
**SHEET TITLE**  
STORM DRAINAGE AREA PLAN

**SHEET NUMBER**  
C-500  
**ISSUE**  
6




LEGEND :

- UNC3 0.56 | 0.20 AREA NUMBER
- UNC3 0.56 | 0.20 RUNOFF COEFFICIENT
- UNC3 0.56 | 0.20 AREA IN HECTARES
- DRAINAGE AREA LIMITS





LEGEND:

-  Grass Area Grass
-  Asphalt/Concrete
-  Gravel Area

OVERALL SITE AREA = 2.10 ha

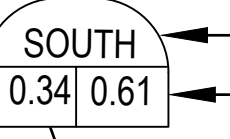
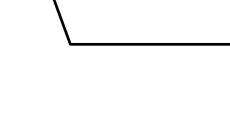


North Outlet (Albion Road)

Grass Area = 506 m2  
Grass C = 0.25  
Asphalt/Concrete = 1194 m2  
Asphalt/Concrete C = 0.90  
Gravel Area = 15867 m2  
Gravel C = 0.80  
Average C = 0.79

South Outlet (Mitch Owens Road)

Grass Area = 1513 m2  
Grass C = 0.25  
Asphalt/Concrete = 1876 m2  
Asphalt/Concrete C = 0.90  
Gravel Area = 0 m2  
Gravel C = 0.80  
Average C = 0.59

LEGEND :

-  AREA NUMBER
-  RUNOFF COEFFICIENT
-  AREA IN HECTARES
-  DRAINAGE AREA LIMITS

CLIENT

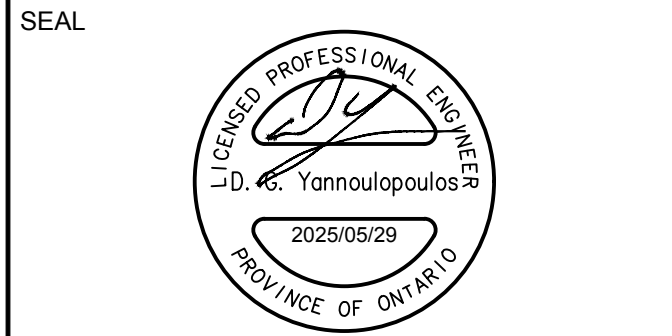


**COPYRIGHT**  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

ISSUES		
No.	DESCRIPTION	DATE
1	SUBMISSION NO.1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO.2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS

KEY PLAN



**ARCADIS**  
333 Preston Street - Suite 500  
Ottawa ON K1S 5N4 Canada  
tel 613 225 1311  
www.arcadis.com

PROJECT  
**W.O. STINSON**  
**5545 ALBION ROAD**  
  
ALBION & MITCH OWENS

PROJECT NO:  
143219

DRAWN BY:  
**D.D. / M.M.**

PROJECT MGR:  
**R.M.**

CHECKED BY:  
**R.M./D.G.Y.**

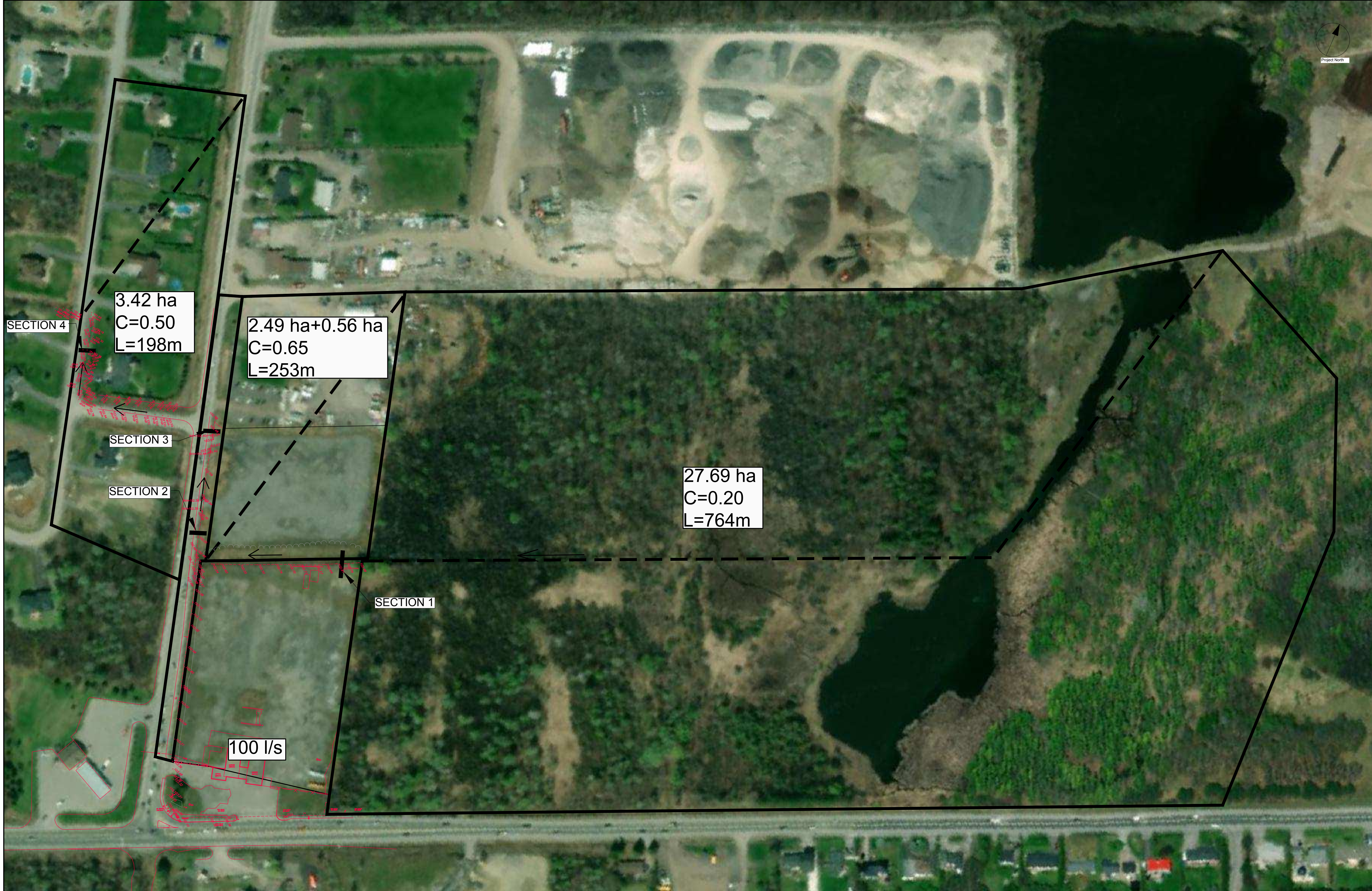
APPROVED BY:  
**D.G.Y.**

SHEET TITLE  
**PRE-DEVELOPMENT STORM  
DRAINAGE AREA PLAN**

SHEET NUMBER  
**C-501**

ISSUE  
**6**



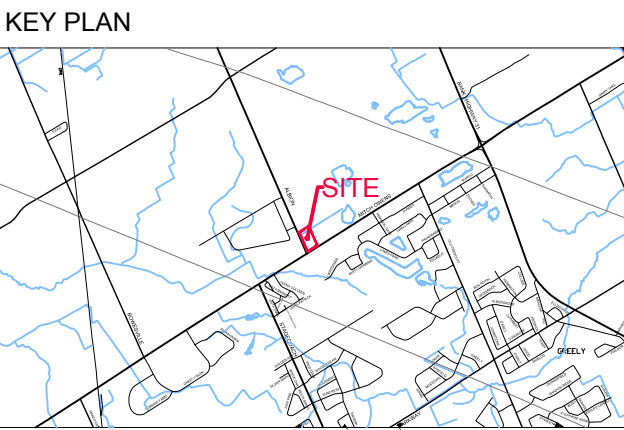


CLIENT

**COPYRIGHT**  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

ISSUES		
No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO. 2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS



333 Preston Street - Suite 500  
Ottawa ON K1S 5N4 Canada  
tel 613 225 1311  
[www.arcadis.com](http://www.arcadis.com)

PROJECT

W.O. STINSON

ALBION & MITCH OWENS

PROJECT NO:  
143219

DRAWN BY: D.D. / M.M.	CHECKED BY: R.M./D.G.Y.
PROJECT MGR: R.M.	APPROVED BY: D.G.Y.

SHEET TITLE

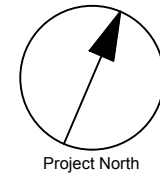
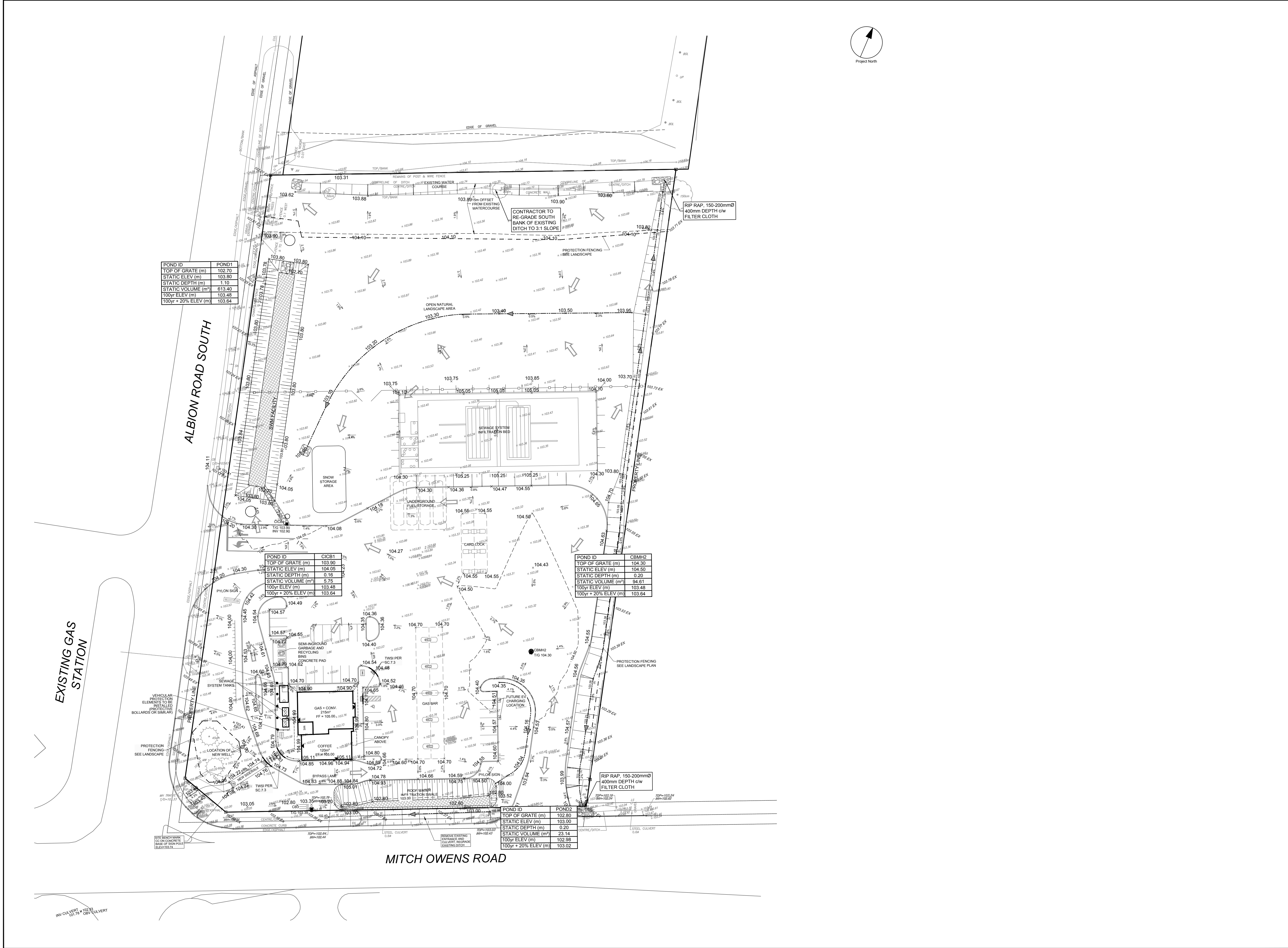
EXTERNAL STORM DRAINAGE  
AREA PLAN

SHEET NUMBER	ISSUE
C-502	6

LEGEND:

———— DRAINAGE AREA LIMITS



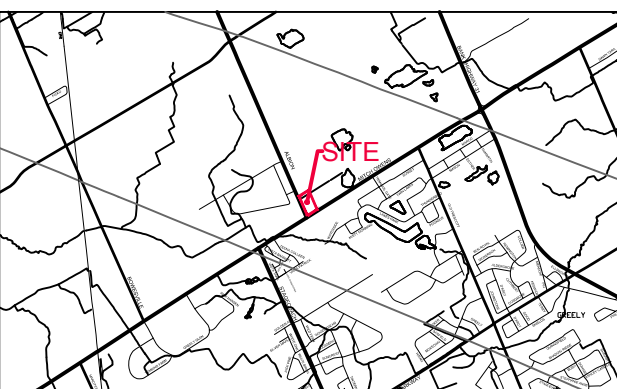


**COPYRIGHT**  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

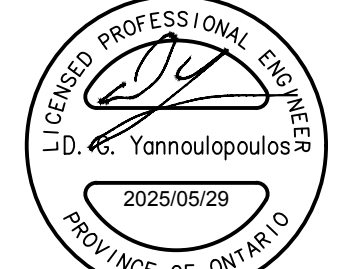
ISSUES		
No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO. 2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS

KEY PLAN



SEAL



333 Preston Street - Suite 500  
Ottawa ON K1S 5N4 Canada  
tel 613 225 1311  
www.arcadis.com

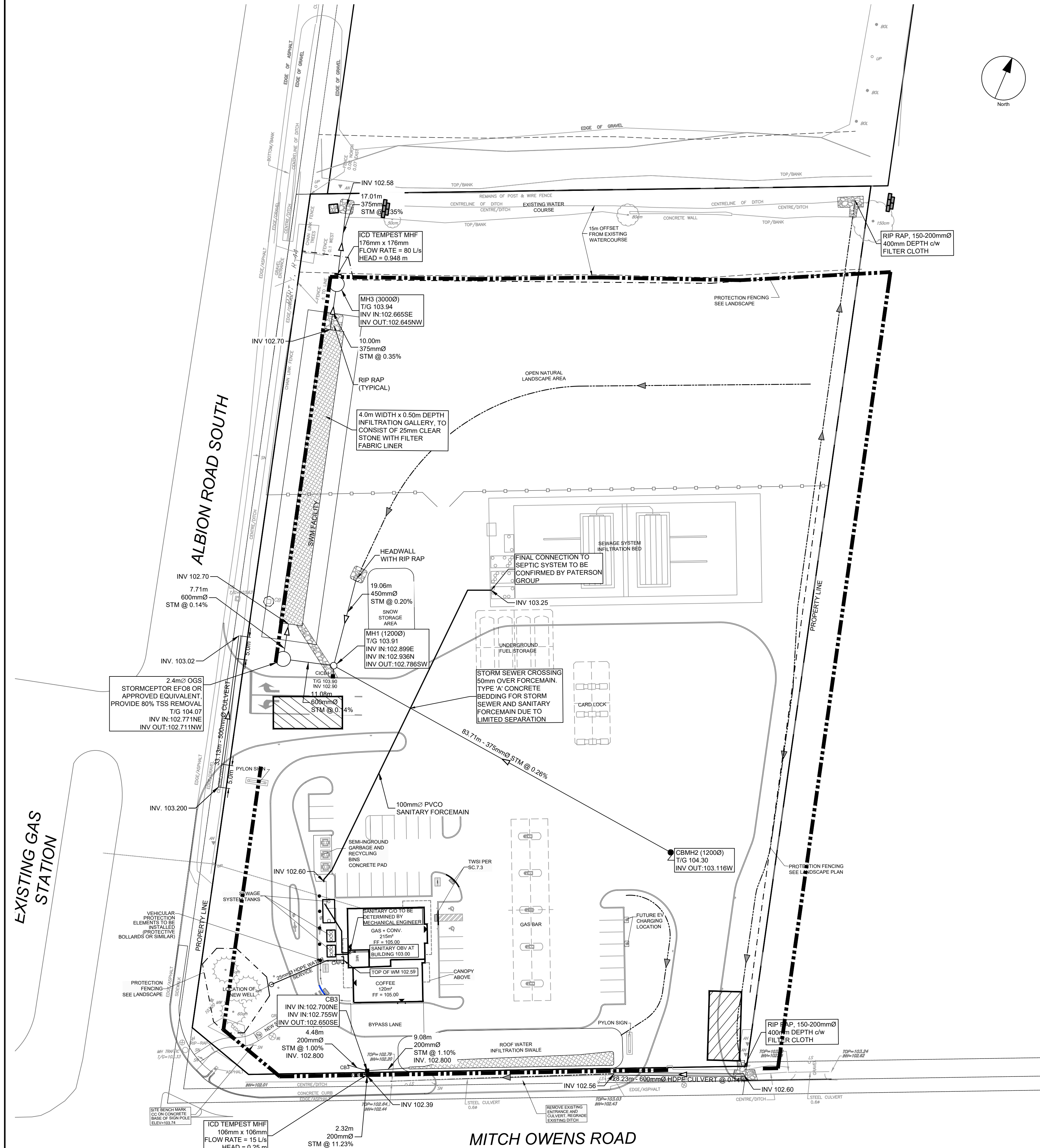
**PROJECT**  
W.O. STINSON  
5545 ALBION ROAD  
ALBION & MITCH OWENS

**PROJECT NO:**  
143219  
**DRAWN BY:**  
D.D. / M.M.  
**PROJECT MGR:**  
R.M.  
**CHECKED BY:**  
R.M./D.G.Y.  
**APPROVED BY:**  
D.G.Y.

**SHEET TITLE**  
PONDING PLAN

**SHEET NUMBER**  
C-600  
**ISSUE**  
6



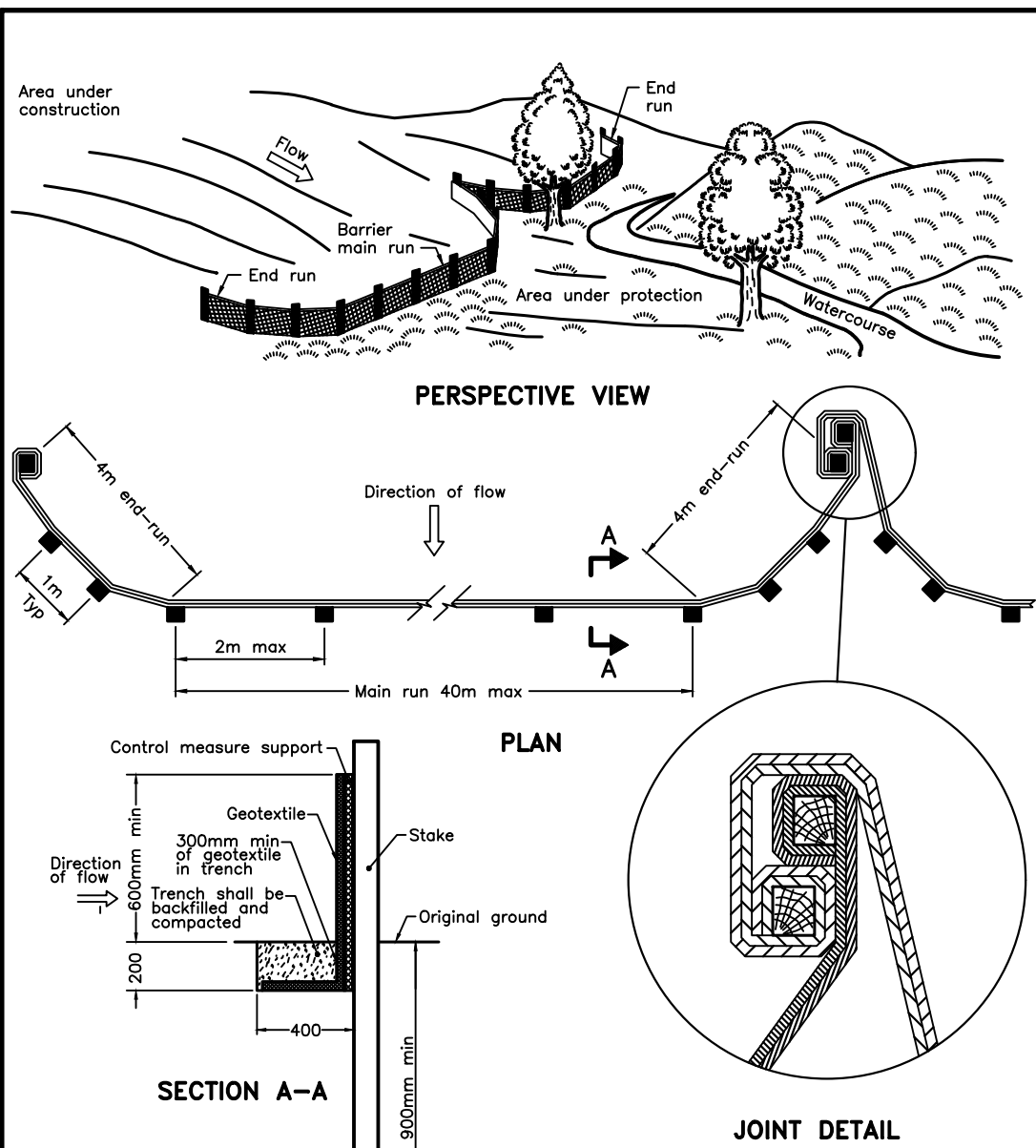


NOTES:

- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE. DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
- SILT FENCE TO BE ERECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
- STRAW BALE SEDIMENT TRAPS TO BE CONSTRUCTED IN EXISTING ROAD SIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED.
- FILTER CLOTH TO BE PLACED AND MAINTAINED UNDER COVER OF ALL PROPOSED CATCHBASINS AFTER BASE COURSE, AND EXISTING CATCHBASINS IDENTIFIED OUTSIDE OF CONSTRUCTION LIMIT. FILTER CLOTH IN STREET CB'S TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. FILTER CLOTH IN RYCB'S TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
- CONTRACTOR TO PROVIDE DETAILS ON LOCATION(S) AND DESIGN OF DEWATERING TRAP(S) PRIOR TO COMMENCING WORK. CONTRACTOR ALSO RESPONSIBLE FOR MAINTAINING TRAP(S) AND ADJUSTING SIZE(S) IF DEEMED REQUIRED BY THE ENGINEER DURING CONSTRUCTION.
- WORKS NOTED ABOVE ARE TO BE INSTALLED, INSPECTED, MAINTAINED AND ULTIMATELY REMOVED BY SERVICING CONTRACTOR.
- THIS IS A "LIVING DOCUMENT" AND MAY BE MODIFIED IN THE EVENT THE PROPOSED CONTROL MEASURES ARE INSUFFICIENT.

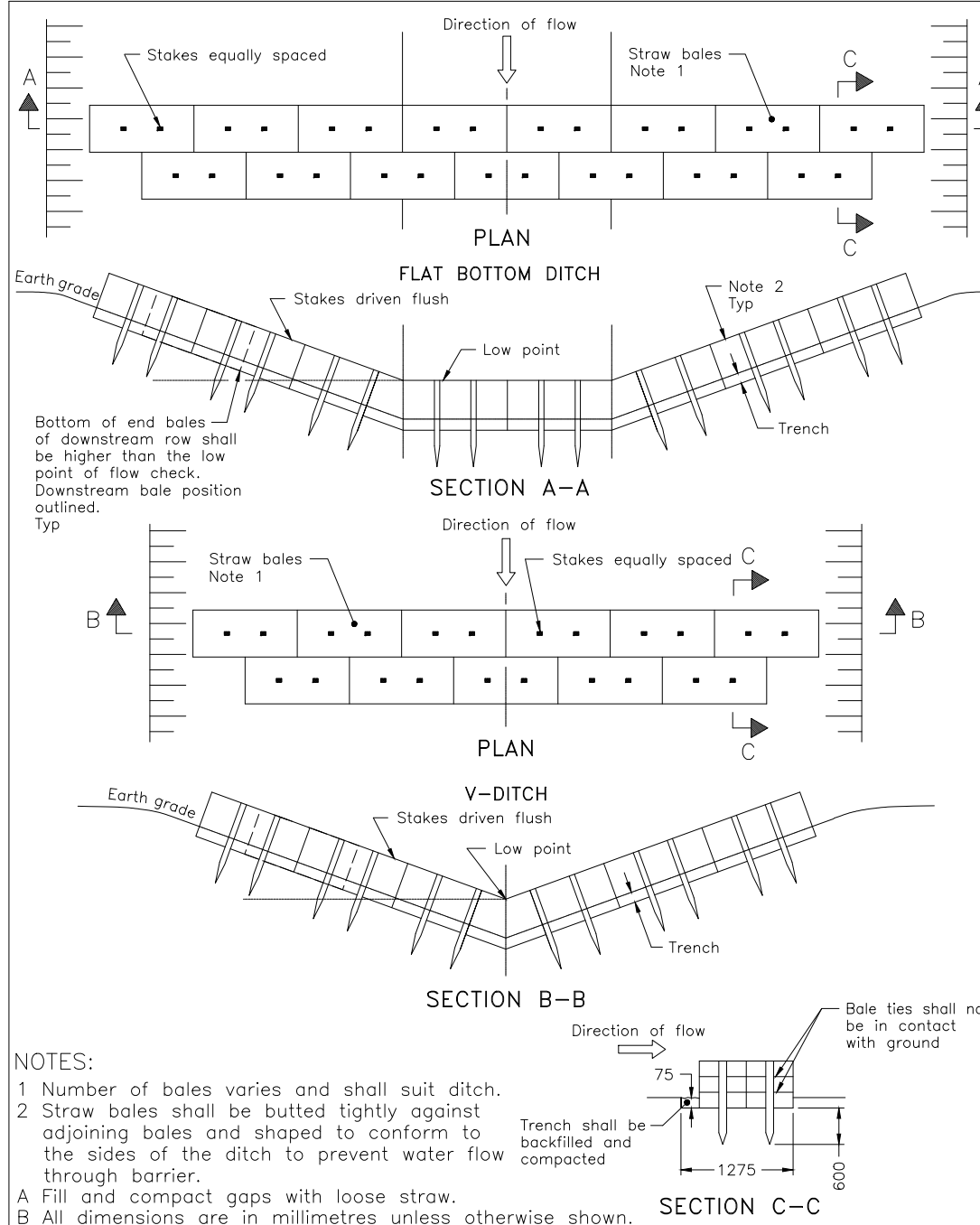
LEGEND:

- HEAVY DUTY SILT FENCE AS PER OPSPD-219.130
- SNOW FENCE
- STRAW BALE CHECK DAM AS PER OPSPD-219.180
- ROCK CHECK DAM AS PER OPSPD-219.210
- FILTER CLOTH PLACED UNDER EXISTING CB COVER
- TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH



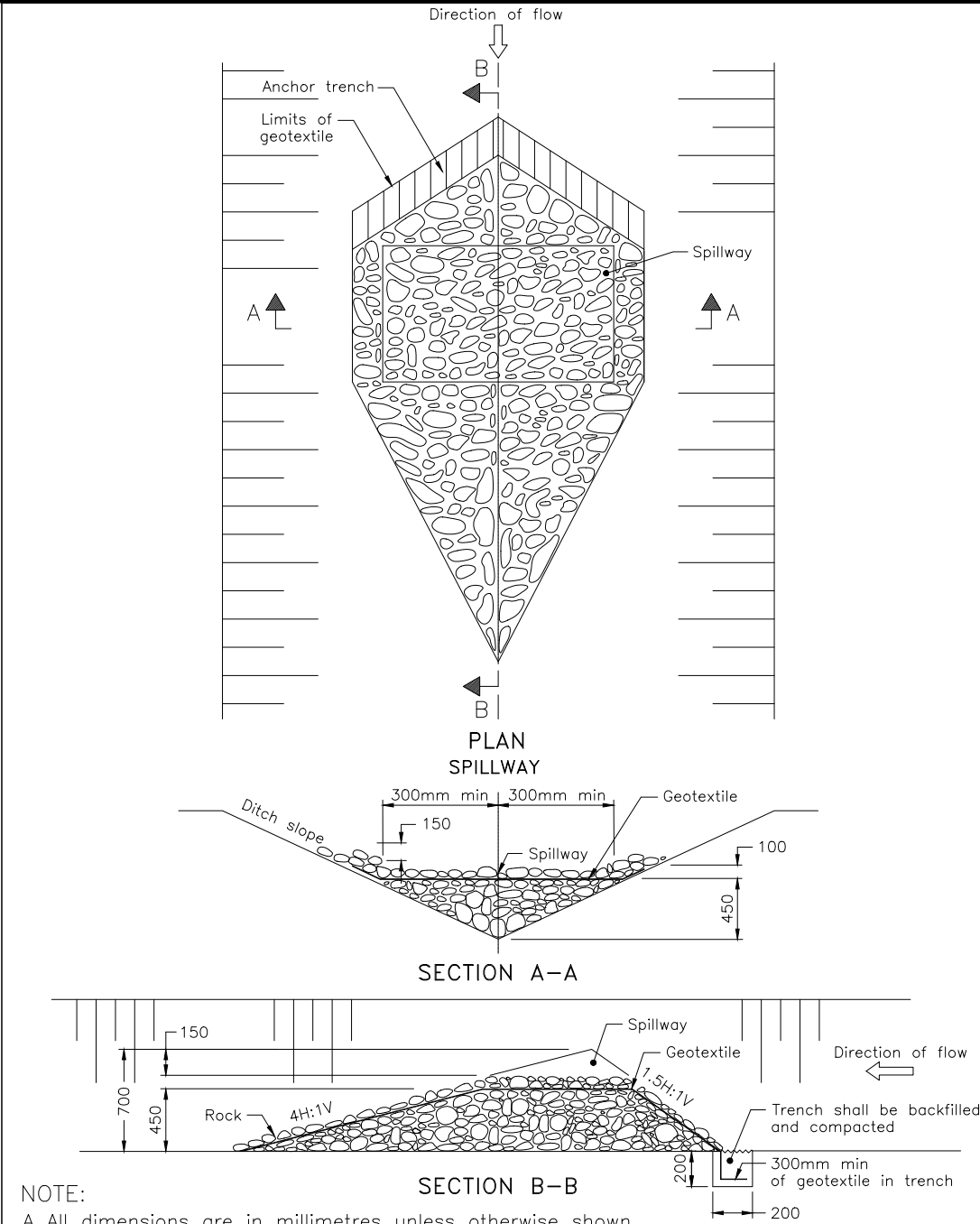
NOTE:  
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING  
HEAVY-DUTY  
SILT FENCE BARRIER  
OPSD 219.130



NOTES:  
1 Number of bales varies and shall suit ditch.  
2 Straw bales shall be butted tightly against adjoining bales and shaped to conform to the sides of the ditch to prevent water flow through barrier.  
A Fill and compact gaps with loose straw.  
B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING  
STRAW BALE FLOW CHECK DAM  
OPSD 219.180



NOTE:  
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING  
TEMPORARY  
ROCK FLOW CHECK DAM  
V-DITCH  
OPSD 219.210

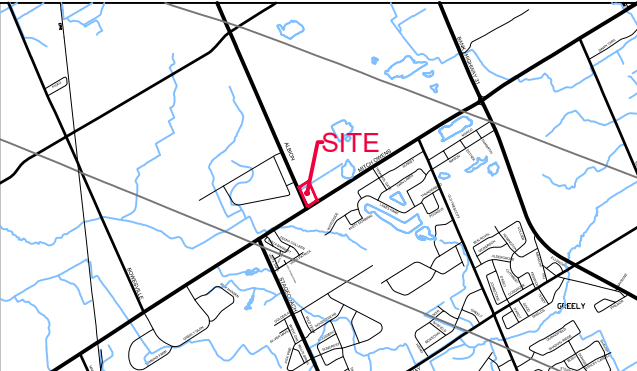


COPYRIGHT  
This drawing has been prepared solely for the intended use, thus any reproduction or distribution for any purpose other than authorized by Arcadis is forbidden. Written dimensions shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job, and Arcadis shall be informed of any variations from the dimensions and conditions shown on the drawing. Shop drawings shall be submitted to Arcadis for general conformance before proceeding with fabrication.

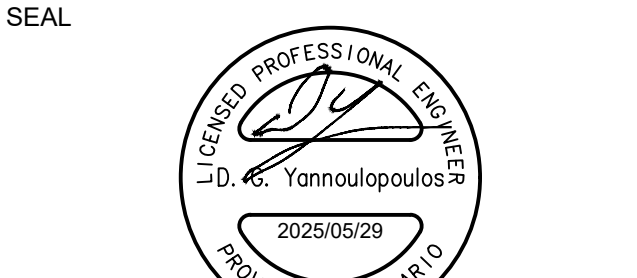
No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2023-11-24
2	SUBMISSION NO. 2 FOR CITY REVIEW	2024-03-20
3	ADDED TANK SECTIONS	2024-07-25
4	REVISED PER NEW SITE PLAN	2025-02-03
5	REVISED PER CITY COMMENTS	2025-04-08
6	REVISED PER CITY COMMENTS	2025-05-29
7		
8		

SEE 010 FOR NOTES, LEGEND, CB TABLE AND DETAILS

KEY PLAN



1:500  
0 5 10 15 20 25m



ARCADIS  
333 Preston Street - Suite 500  
Ottawa ON K1S 5N4 Canada  
tel 613 225 1311  
www.arcadis.com

PROJECT  
W.O. STINSON  
5545 ALBION ROAD  
ALBION & MITCH OWENS

PROJECT NO:  
143219  
DRAWN BY:  
D.D. / M.M.  
PROJECT MGR:  
R.M.

CHECKED BY:  
R.M./D.G.Y.  
APPROVED BY:  
D.G.Y.

SHEET TITLE  
SEDIMENT & EROSION  
CONTROL PLAN

SHEET NUMBER  
C-900  
ISSUE  
6