

# CISCO SYSTEMS Inc. OTTAWA CAMPUS MECANICAL AUXILLARY BUILDING

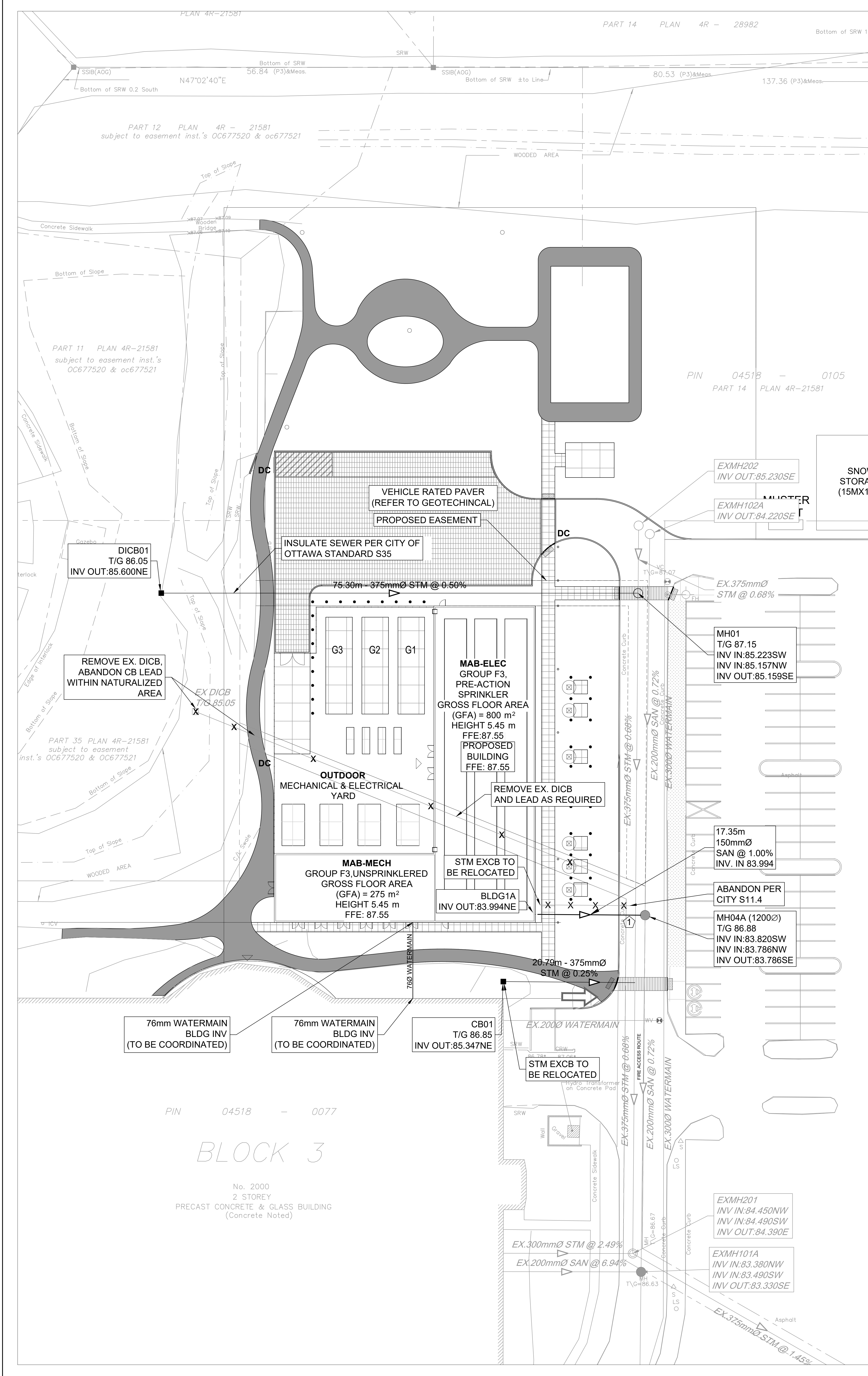


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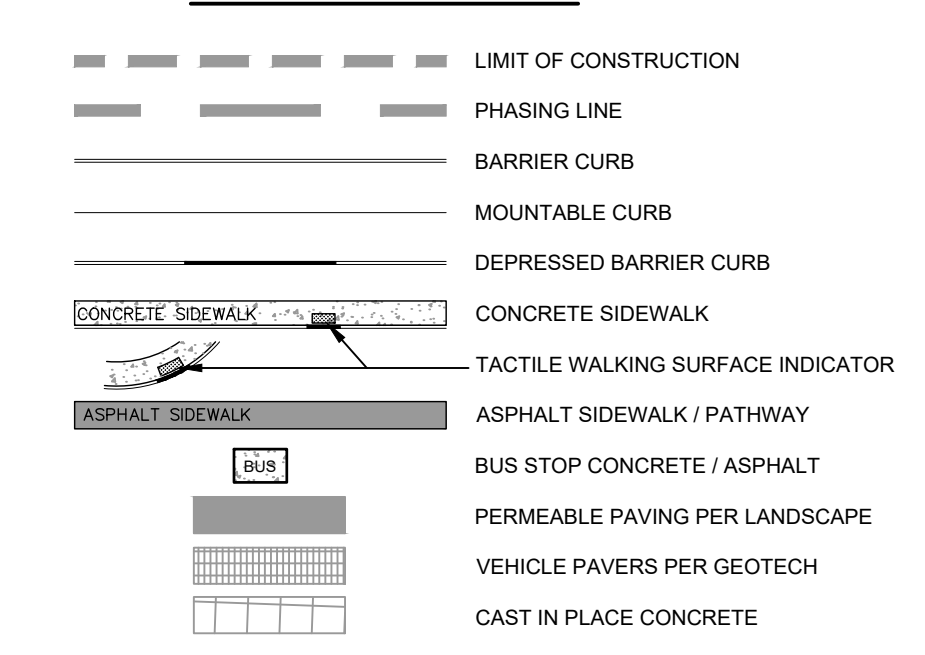


Sheet List Table	
Sheet Number	Sheet Title
-	COVER
C-001	SERVICING PLAN
C-005	EXISTING CONDITIONS & REMOVALS
C-200	GRADING PLAN
C-500	STORM DRAINAGE AREA PLAN
C-900	EROSION - SEDIMENT PLAN

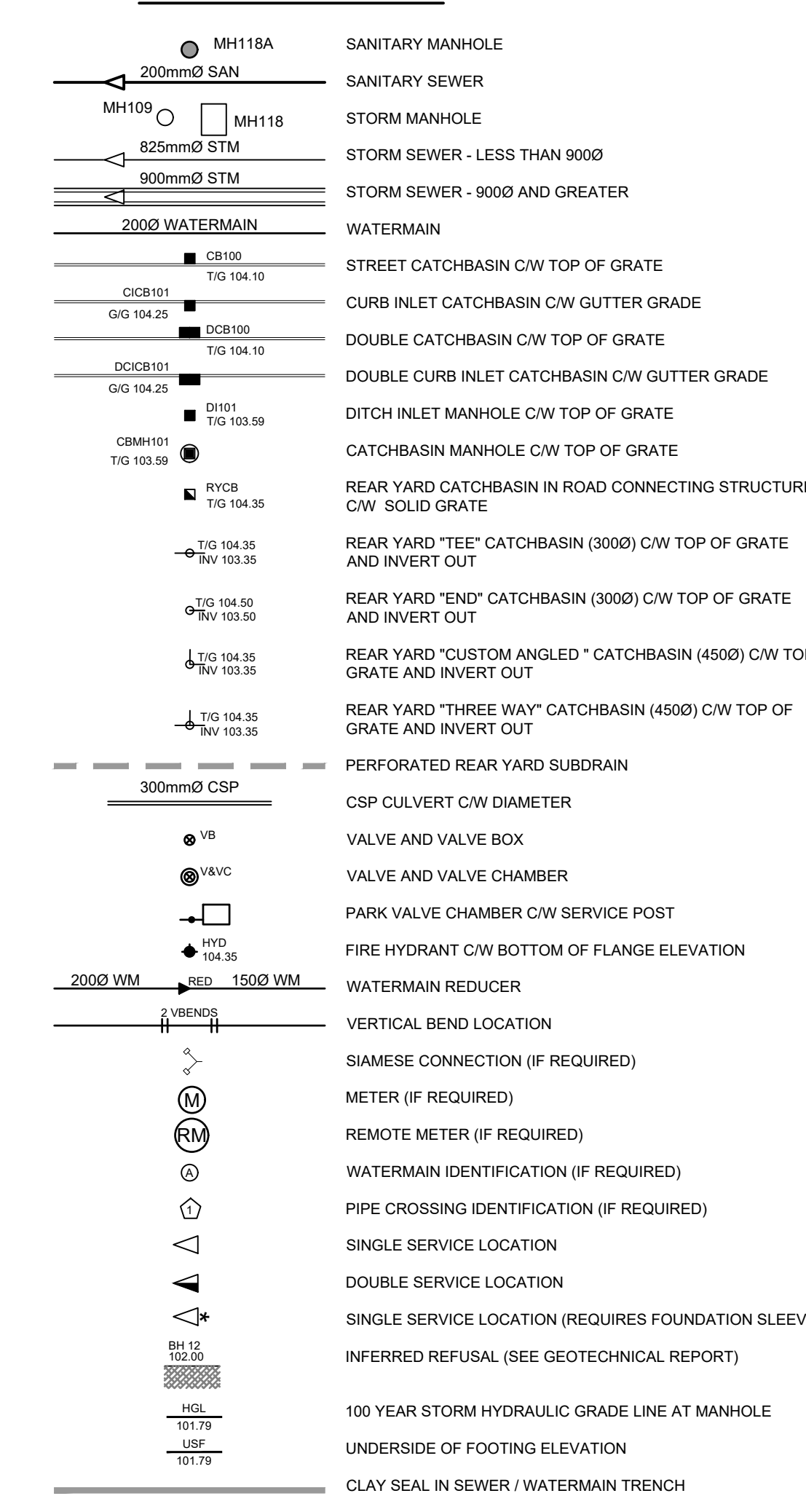
CISCO OTT01 - MAB 30298433



**GENERAL LEGEND**

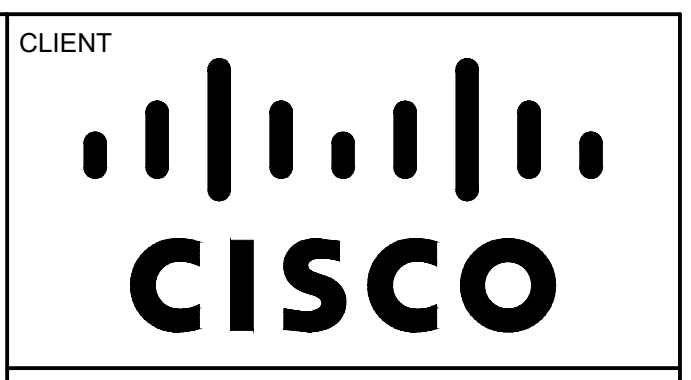


**SERVICING LEGEND**



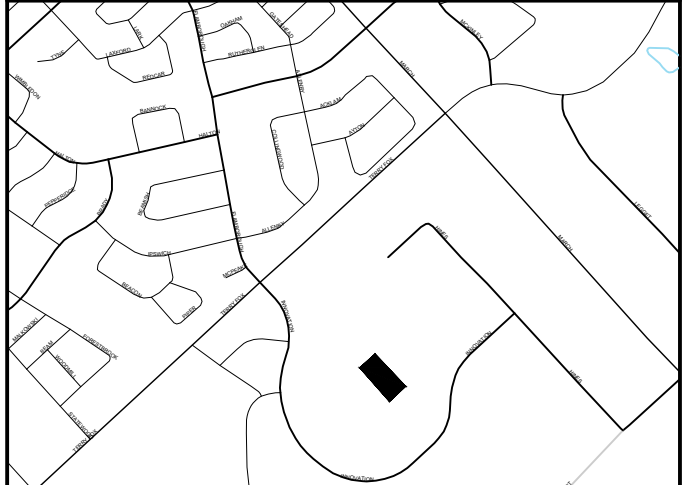
**NOTES:**

1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPS/DIPS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
2. THE POSITION OF UNDERGROUND AND ABOVE GROUND 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 SHOWN 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 OWNER'S 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. NOTICE MUST BE NOTIFIED IMMEDIATELY AND WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.
8. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT 991-2238, REVISION No.3, PREPARED BY GOLDER ASSOCIATES LTD.
9. ACCESS LANE: FIRE ROUTES: HEAVY TRUCK DRIVING AREAS: (600mm)
  - 30mm - #13 SURFACE COURSE ASPHALTIC CONCRETE
  - 50mm - #16 SURFACE COURSE ASPHALTIC CONCRETE
  - 100mm - #25 GRANULAR "A" DRUSHED STONE
  - 400mm - #55 GRANULAR "B" TYPE II
10. CAN ONLY PARKING AREA: (1000mm)
  - 50mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
  - 100mm - #25 GRANULAR "A" DRUSHED STONE
  - 300mm - #55 GRANULAR "B" TYPE II
11. FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BY ARCADIS ARCHITECTS INC (CANADA).
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 OPS SELECTED BASEGRADE MATERIAL & FINE MATERIAL AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
14. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMANS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AS PER CITY GUIDELINES ALL WATERMANS 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 ESTABLISHED OR UNTIL THE START OF A SUBSEQUENT PHASE.
16. CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DIRT, 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 OPS/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:
  - WATERMANS TO BE PVC DRIE
  - SANITARY SEWER TO BE PVC DIPS
  - PERFORATED STORM SEWER IN REAR YARDS AND LANDSCAPE AREAS TO BE HDPE
  - STORM SEWERS 375mm DIAMETER AND LESS TO BE PVC DIPS
  - STORM SEWERS 450mm DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPS/807/10 OR 807/20, OR HDPE
  - FOR SHALLOW SEWERS, REFER TO CITY STANDARD SIS.
21. ALL CONNECTIONS TO EXISTING WATERMANS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BRICKLAP, COMPACT AND RESTATE.
22. ANY WATERMAIN WITH LESS THAN 2.4m AND ANY SEWER WITH LESS THAN 2.0m DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22 OR AS APPROVED BY THE ENGINEER.
23. ALL FIRE HYDRANTS AS PER CITY STANDARD W15, 150mm LEAD UNLESS OTHERWISE SPECIFIED.
24. ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.
25. 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.
26. ALL SANITARY MANHOLES IN FORDING AREAS SHALL BE EQUIPPED WITH A WATERTIGHT COVER.
27. ALL LEADS FOR STREET CATCHBASINS AND CURB INLET CATCHBASINS CONNECTED TO MAIN SHALL BE 200mm PVC DIPS @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RV'S CONNECTED TO MAIN SHALL BE 200mm PVC DIPS @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
28. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO-3.0m MINIMUM SUBGRANS INSTALLED LONGITUDINALLY PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR - 3.0m MINIMUM SUBGRANS INSTALLED ORTHOGONALLY.
29. INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A).
30. ALL SEWER SERVICE LATERALS WITH MAINLINE CONNECTIONS DEEPER THAN 5.0m REQUIRE A CONTROLLED SETTLEMENT JOINT.
31. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKFLOW VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
32. THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
33. TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CTDV INSPECTION AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
34. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL ENGINEER.
35. 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.
36. UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A COMPLIANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.



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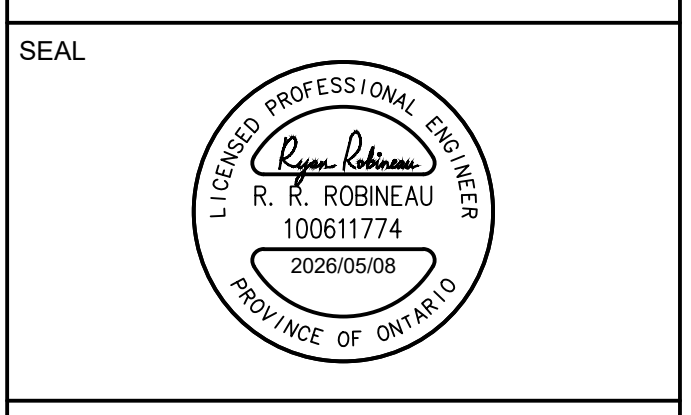


ISSUES	DESCRIPTION	DATE
1	ISSUED FOR SITEPLAN CONTROL	2025.12.12
2	ISSUED FOR SITEPLAN CONTROL	2026.05.08

- FOR GEOTECHNICAL REPORT**
1. FOR GEOTECHNICAL REPORT, REFER TO GEOTECHNICAL REPORT 991-2238, REVISION No.3, PREPARED BY GOLDER ASSOCIATES LTD.
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CONSULTANTS

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**PRIME CONSULTANT**  
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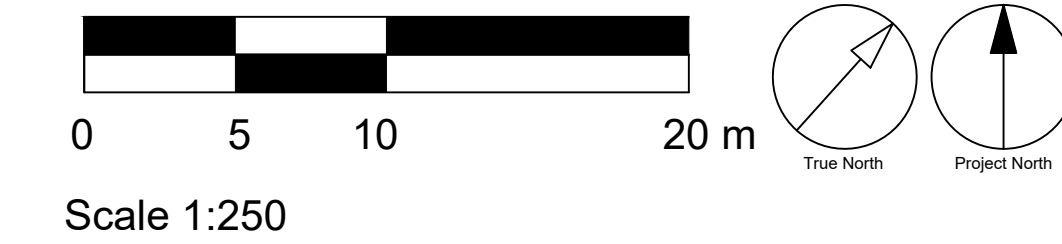
**PROJECT**  
Cisco Ottawa Campus  
OTT01

**PROJECT NO:**  
OTT01 MAB 30298433

**DRAWN BY:** CC  
**CHECKED BY:** RR  
**PROJECT MGR:** RM  
**APPROVED BY:** RR/RM

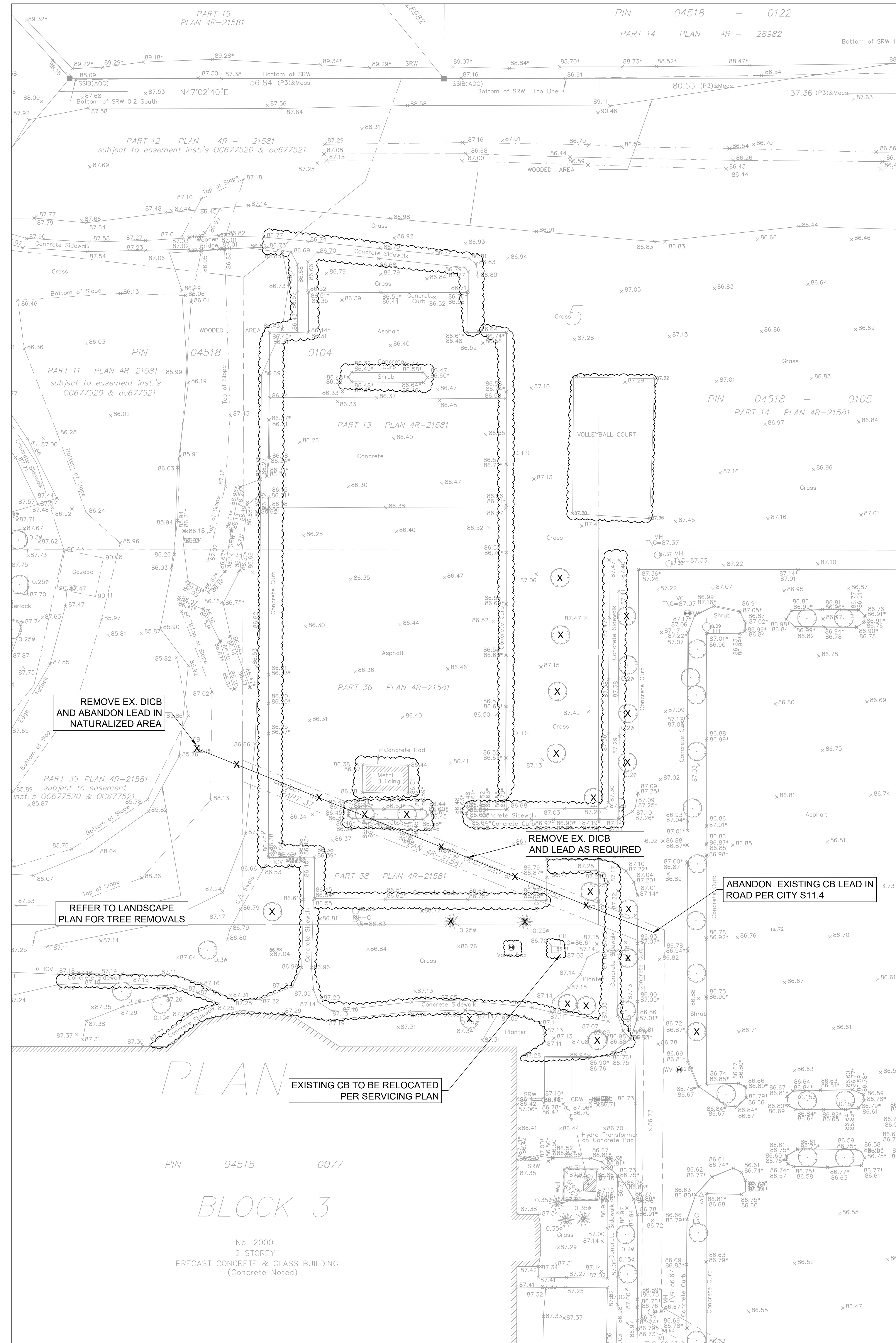
**SHEET TITLE**  
SERVICING PLAN

**SHEET NUMBER** C-001 **ISSUE** 2



D07-12-25-0168

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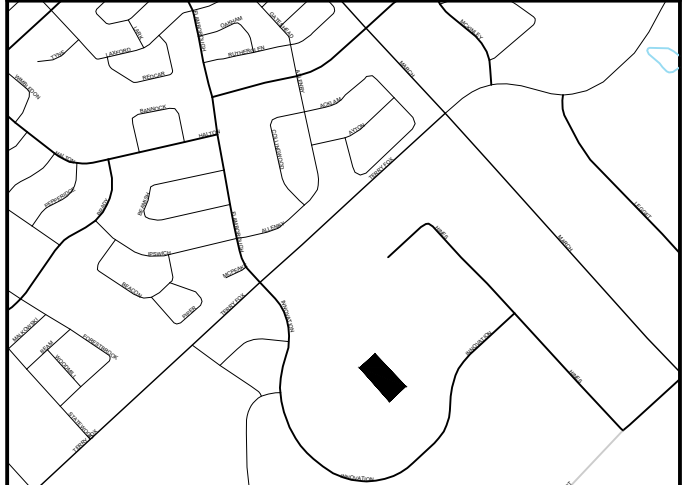


- REMOVAL
- ⊗ ADJUST MANHOLE, VALVES
- ⊠ ADJUST CATCH BASIN
- ⊗ ADJUSTMENT BY BELL OR HYDRO APPROVED CONTRACTOR
- ⊗ REMOVE OR ABANDON SEWER, WATERMAIN, UTILITY, CURB RETURNS
- ⊔ PLUG
- ▨ DRY GRIND EXISTING ASPHALT, AVERAGE DEPTH 50mm.
- ▨ FULL DEPTH ASPHALT REMOVAL
- ▨ AREA TO BE CLEARED AND GRUBBED
- ▨ REMOVAL OF BUILDINGS, FOUNDATIONS, SEPTIC SYSTEM AND WELL
- ▨ REMOVALS OF CONCRETE/ ASPHALT SIDEWALK



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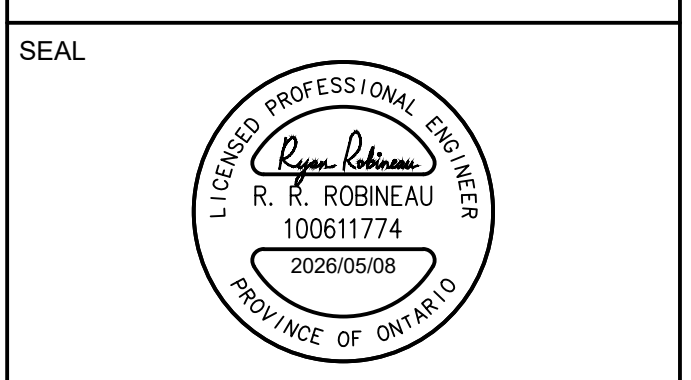
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ISSUES	No.	DESCRIPTION	DATE
	1	ISSUED FOR SITEPLAN CONTROL	2025.12.12
	2	ISSUED FOR SITEPLAN CONTROL	2026.05.08

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PROJECT  
 Cisco Ottawa Campus  
 OTT01  
 2000 Innovation Drive,  
 Kanata, ON K2K 3E8

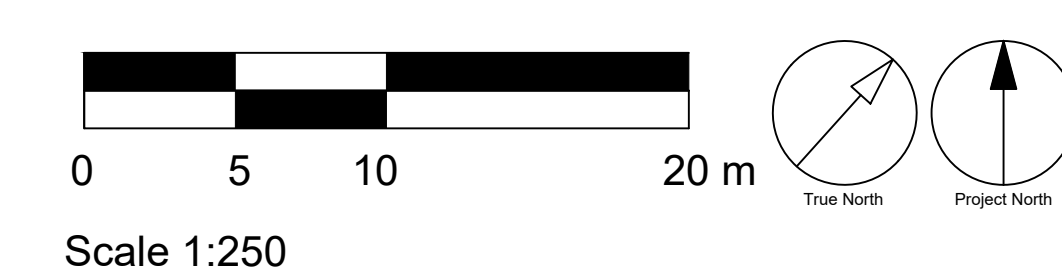
PROJECT NO:  
 OTT01 MAB 30298433

DRAWN BY: CC  
 PROJECT MGR: RM  
 CHECKED BY: RR  
 APPROVED BY: RR/RM

SHEET TITLE  
 EXISTING CONDITIONS & REMOVALS PLAN

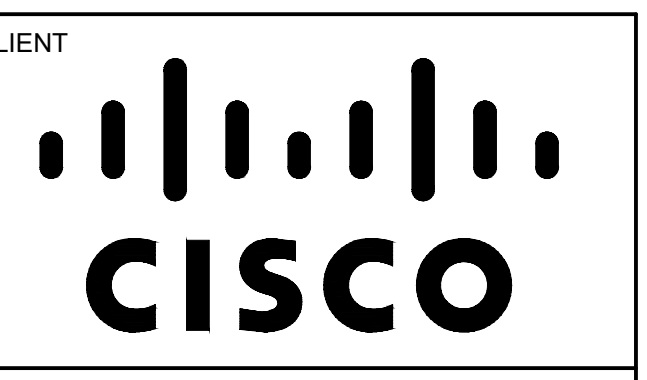
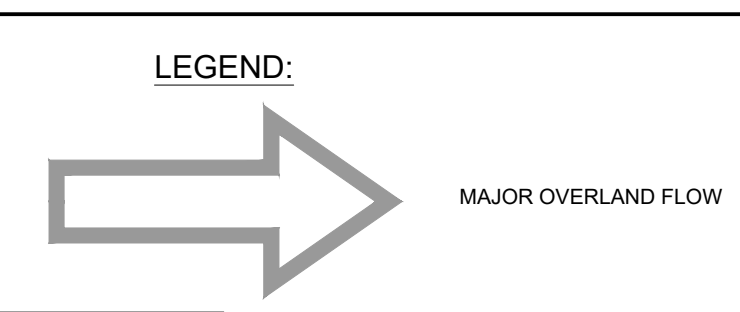
SHEET NUMBER  
**C-005**

ISSUE  
**2**



Scale 1:250

D07-12-25-0-168 XXXXX



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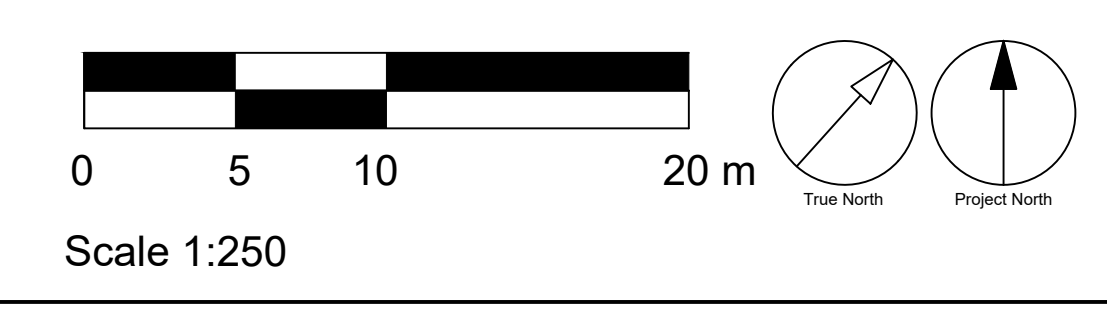
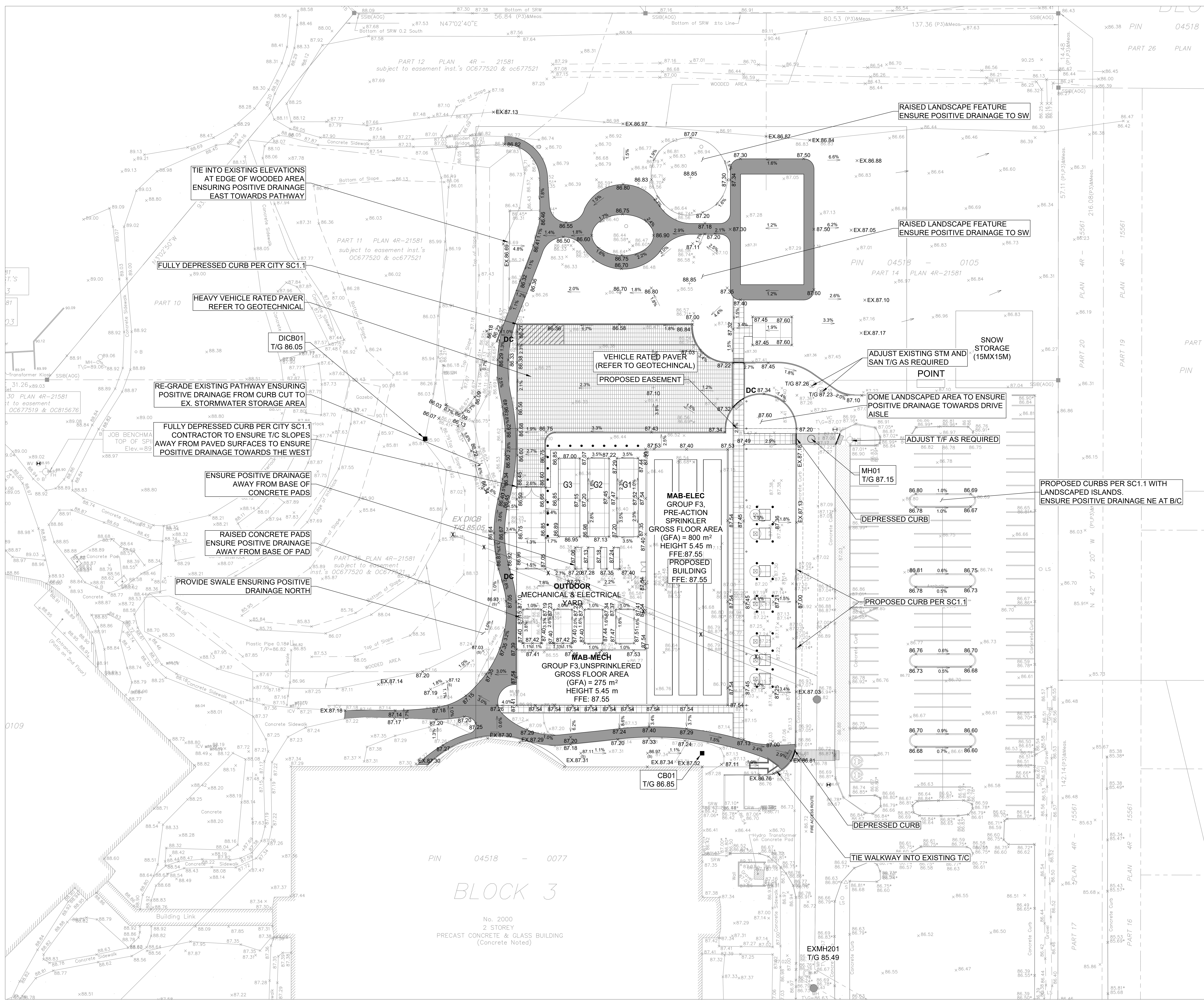
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PROJECT  
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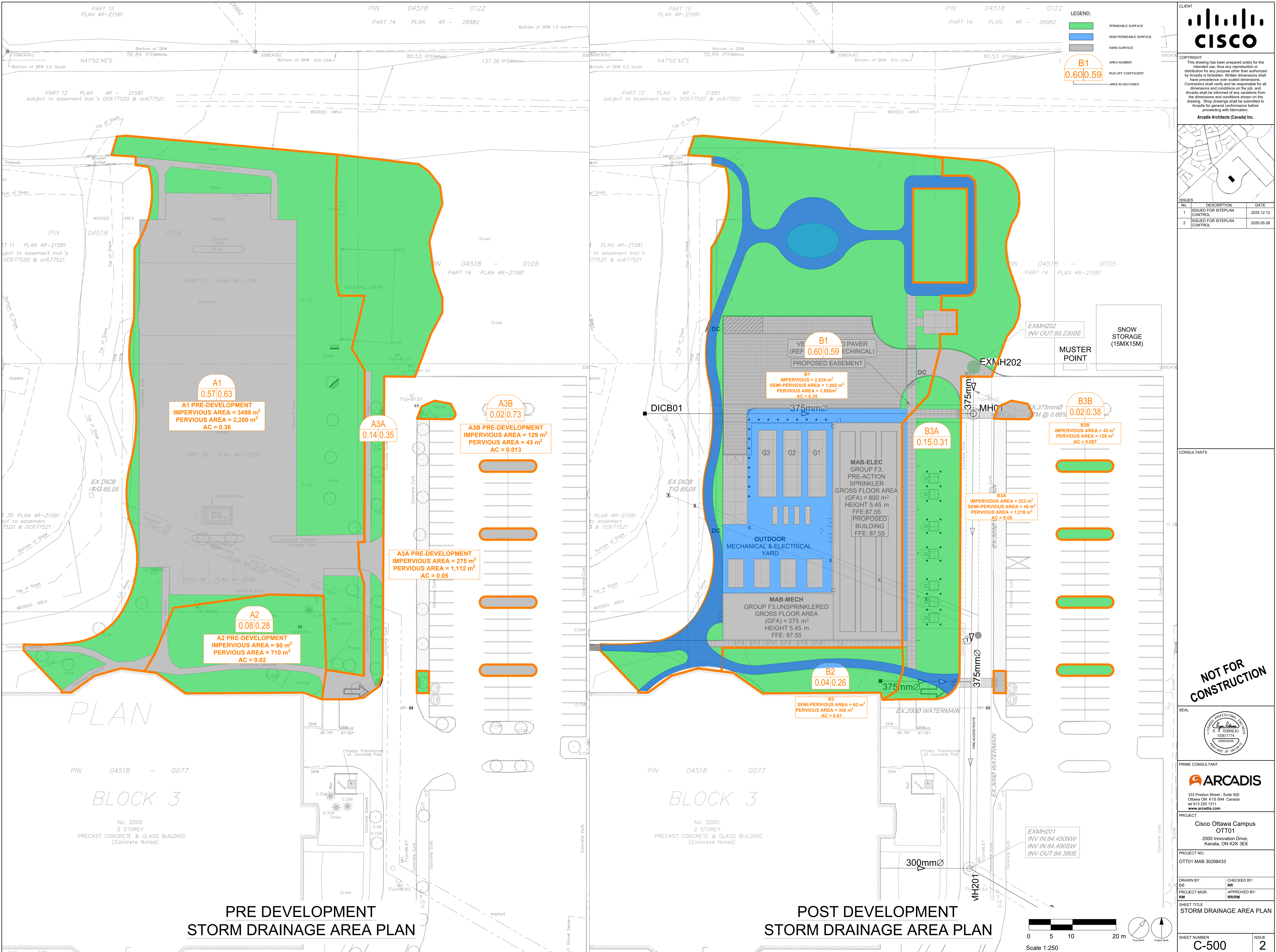
PROJECT NO:  
OTT01 MAB 30298433

DRAWN BY: CC  
PROJECT MGR: RM  
SHEET TITLE: GRADING PLAN

SHEET NUMBER: C-200  
ISSUE: 2



D07-12-25-0168  
XXXXX



**LEGEND:**

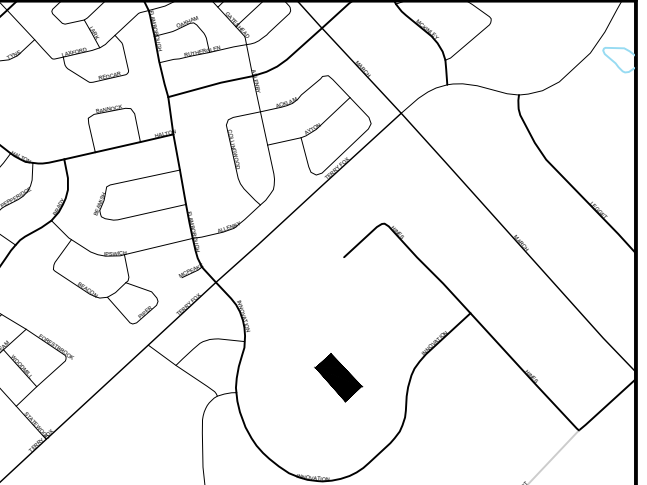
- PERMEABLE SURFACE
- SEMI PERMEABLE SURFACE
- HARD SURFACE
- AREA NUMBER
- RUN OFF COEFFICIENT
- AREA IN HECTARES

**B1**  
0.60/0.59



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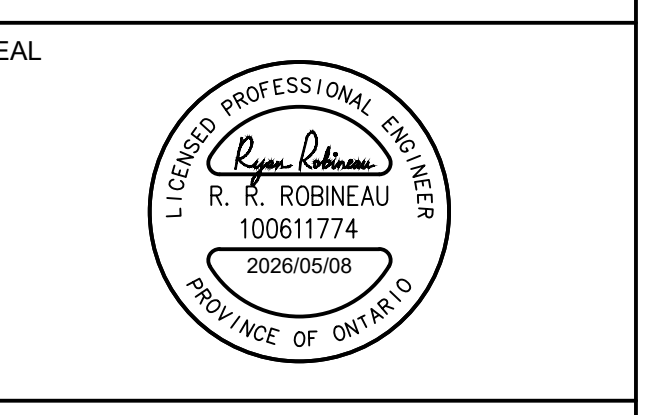
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**CONSULTANTS**

NO.	NAME	ROLE
1	ARCADIS	PRIME CONSULTANT

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**PROJECT NO:**  
OTT01 MAB 30298433

**DRAWN BY:** CC  
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**PROJECT MGR:** RM  
**APPROVED BY:** RR/RM

**SHEET TITLE**  
STORM DRAINAGE AREA PLAN

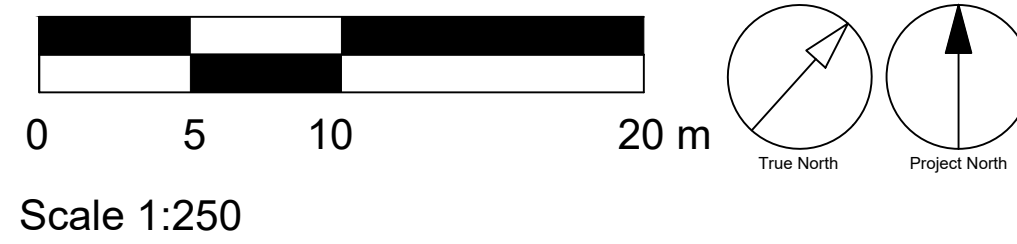
**SHEET NUMBER** C-500 **ISSUE** 2

**PLAN**  
**BLOCK 3**  
No. 2000  
2 STOREY  
PRECAST CONCRETE & GLASS BUILDING  
(Concrete Noted)

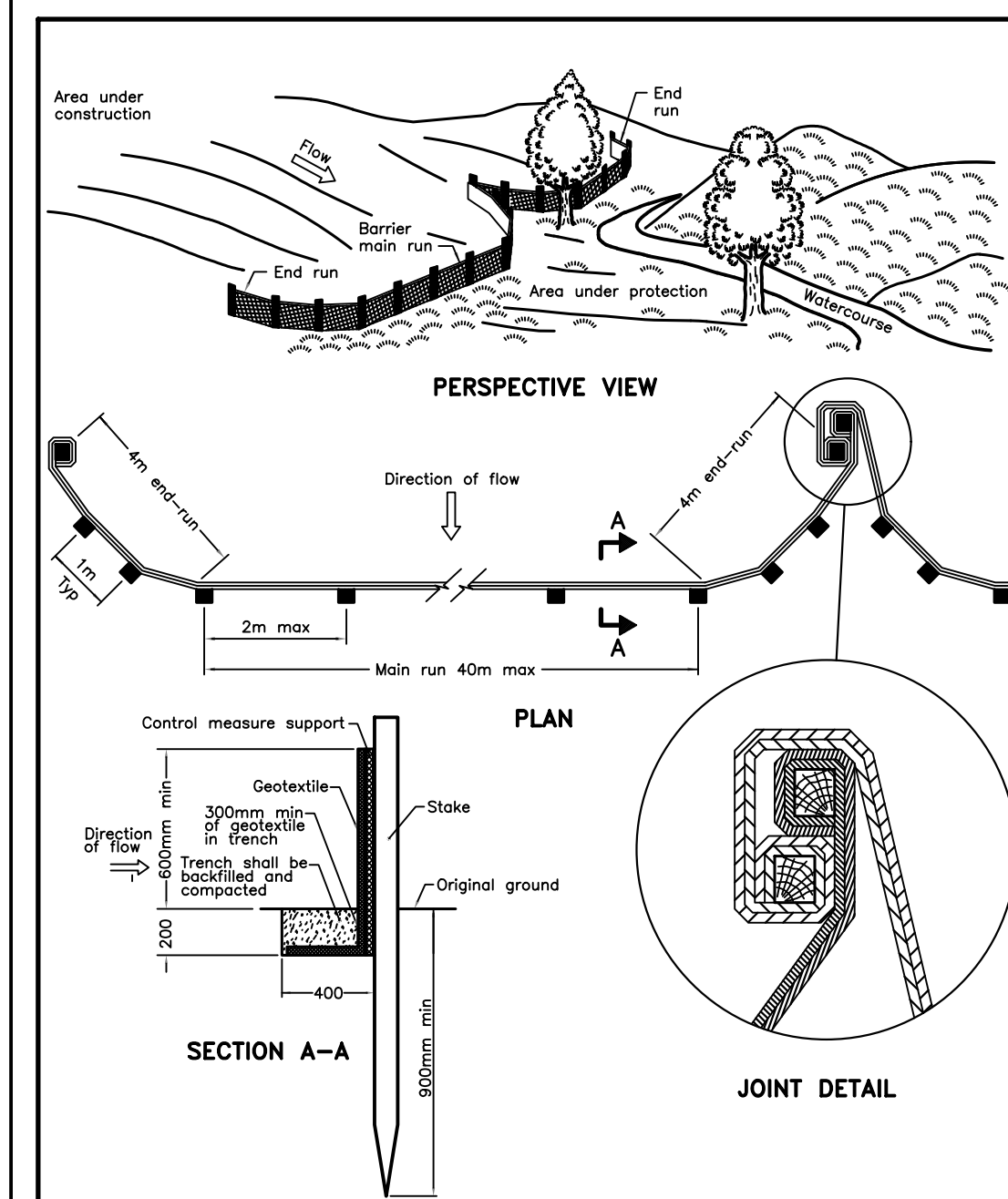
**PRE DEVELOPMENT  
STORM DRAINAGE AREA PLAN**

**BLOCK 3**  
No. 2000  
2 STOREY  
PRECAST CONCRETE & GLASS BUILDING  
(Concrete Noted)

**POST DEVELOPMENT  
STORM DRAINAGE AREA PLAN**



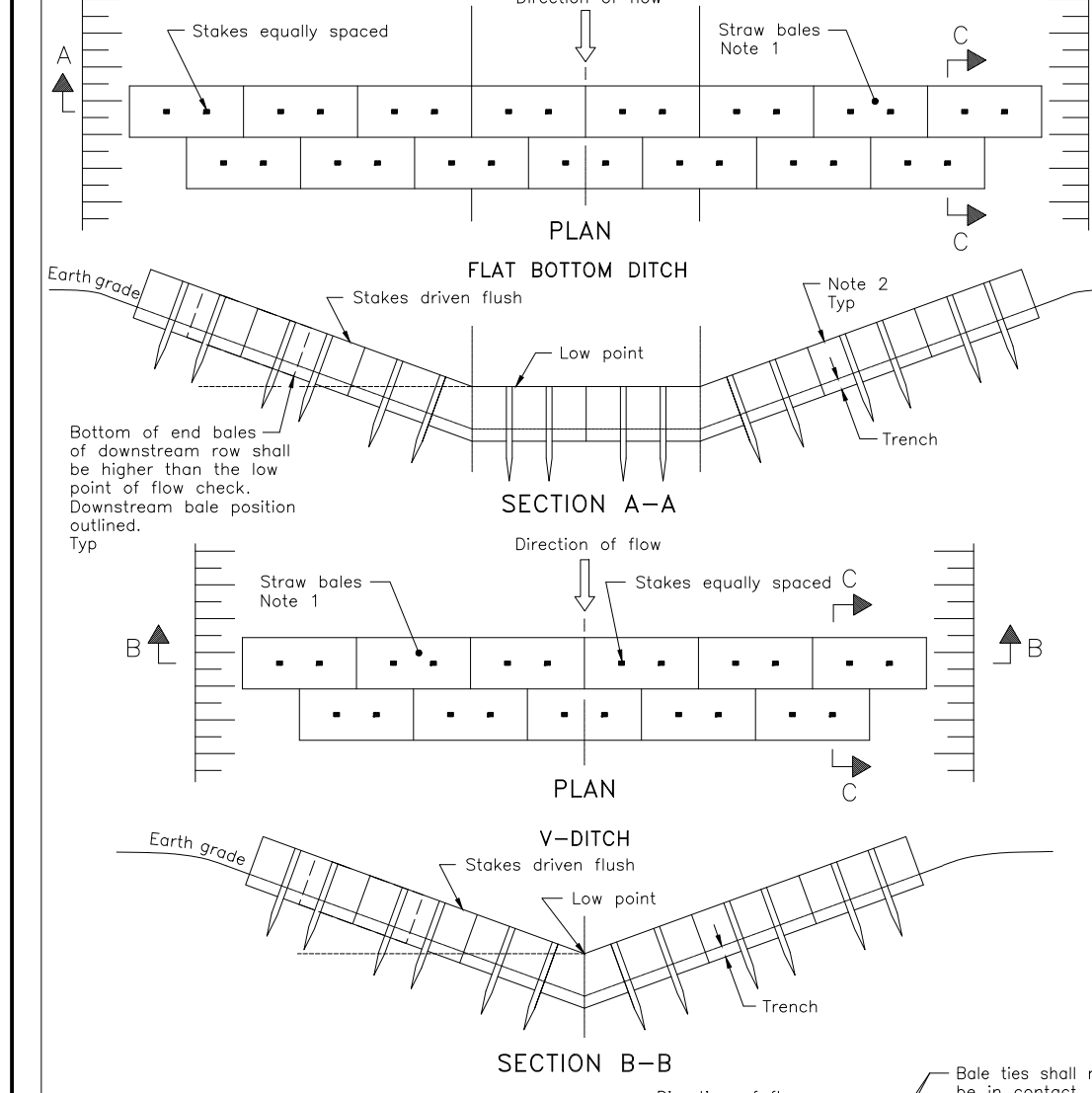
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NOTE:  
A. All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2021 Rev 3

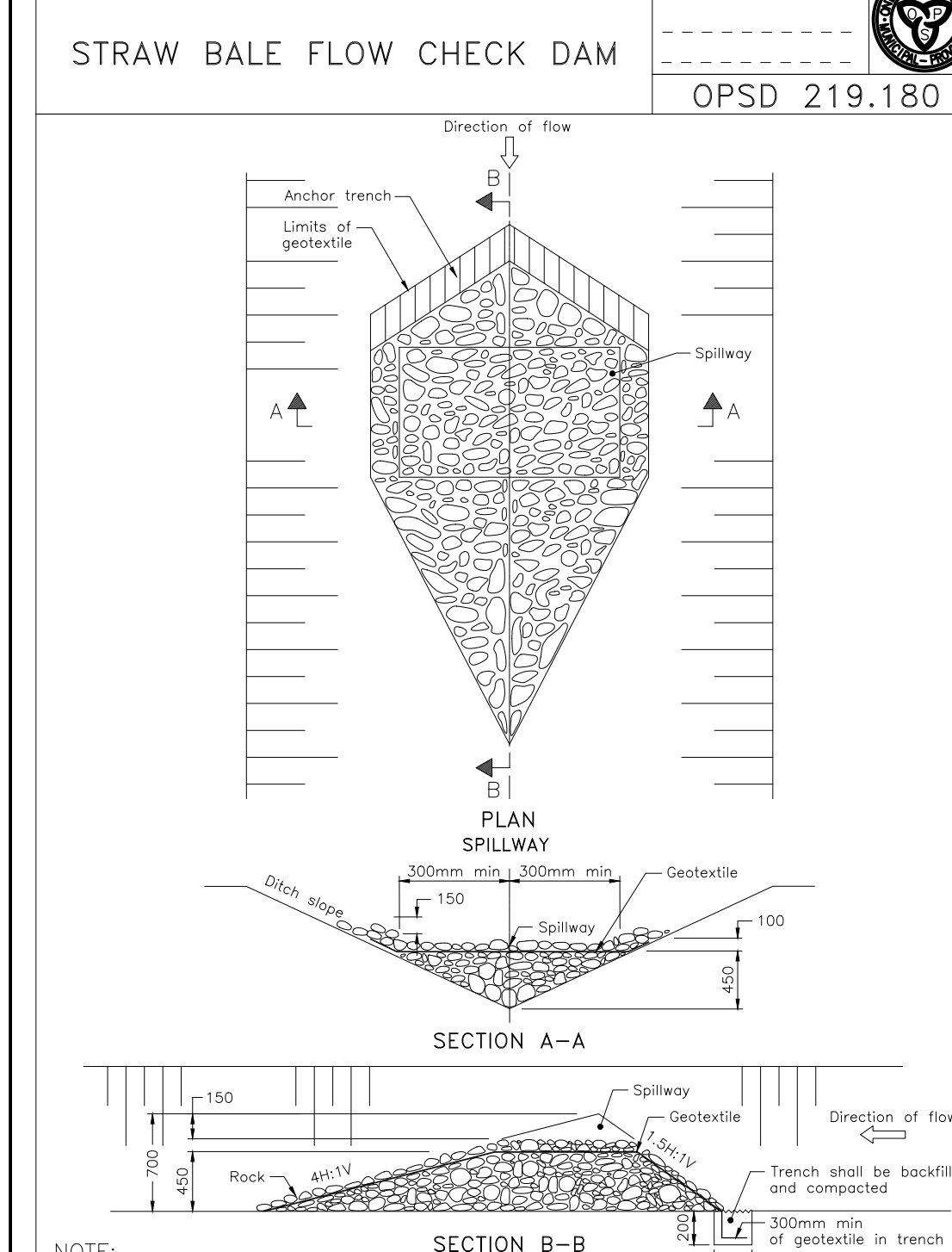
**HEAVY-DUTY SILT FENCE BARRIER**  
OPSD 219.130



NOTE:  
1. Number of holes varies and shall suit ditch.  
2. Straw bales shall be tamped tightly against adjoining bales and staked 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 Nov 2021 Rev 3

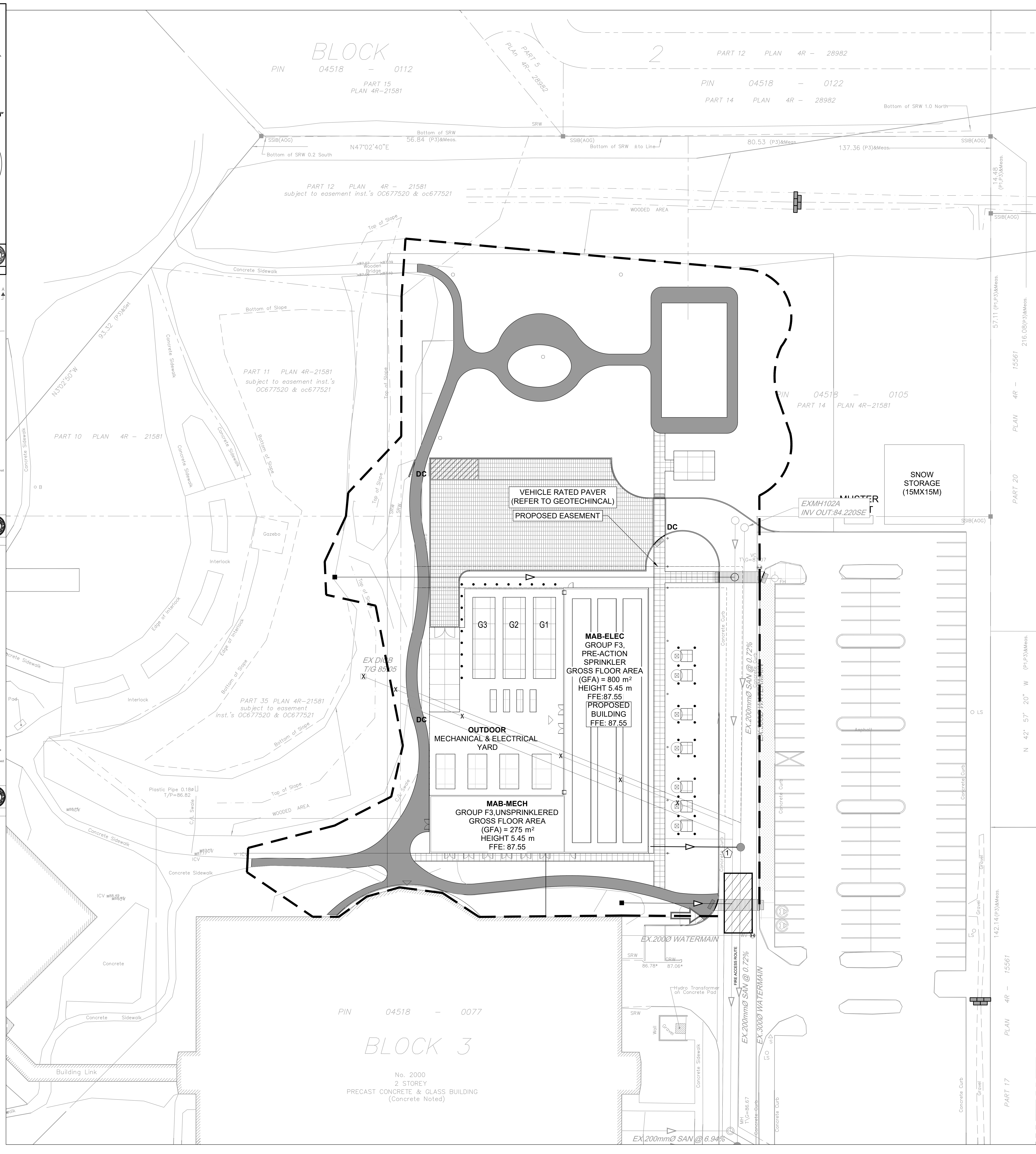
**STRAW BALE FLOW CHECK DAM**  
OPSD 219.180



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

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2022 Rev 3

**TEMPORARY ROCK FLOW CHECK DAM**  
V-DITCH  
OPSD 219.210



- NOTES:**
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE 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 ERRECTED 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 C/S TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. FILTER CLOTH IN R/C/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 TRAPS PRIOR TO COMMENCING WORK. CONTRACTOR ALSO RESPONSIBLE FOR MAINTAINING TRAPS(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 OPSD-219.130
  - SNOW FENCE
  - STRAW BALE CHECK DAM AS PER OPSD-219.180
  - ROCK CHECK DAM AS PER OPSD 219.210
  - FILTER CLOTH PLACED UNDER EXISTING CB COVER
  - TEMPORARY MUD MAT 0.15m Thick 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH

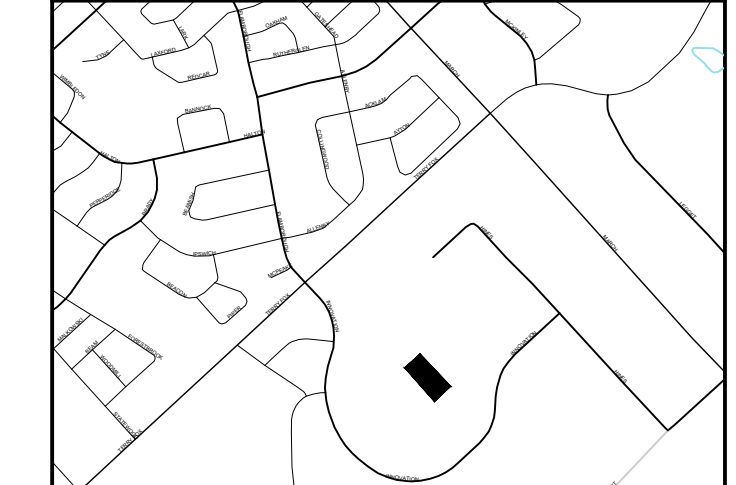
**ISSUES**

No.	DESCRIPTION	DATE
1	ISSUED FOR SITEPLAN CONTROL	2025.12.12
2	ISSUED FOR SITEPLAN CONTROL	2026.05.08



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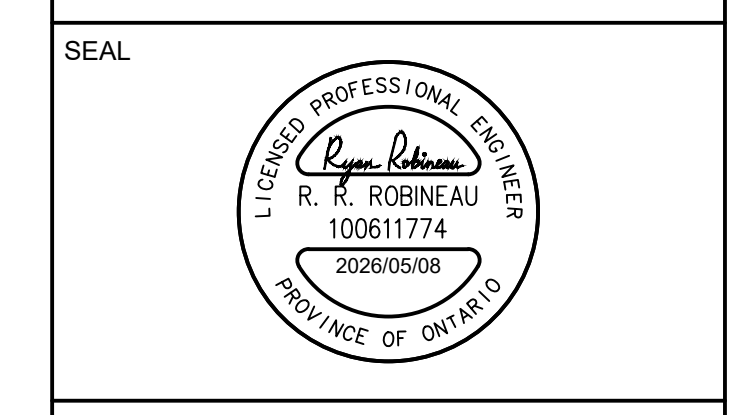
Arcadis Architects (Canada) Inc.



**CONSULTANTS**

NAME	ROLE
ARCADIS	PRIME CONSULTANT

**NOT FOR CONSTRUCTION**



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**PROJECT**  
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OTT01

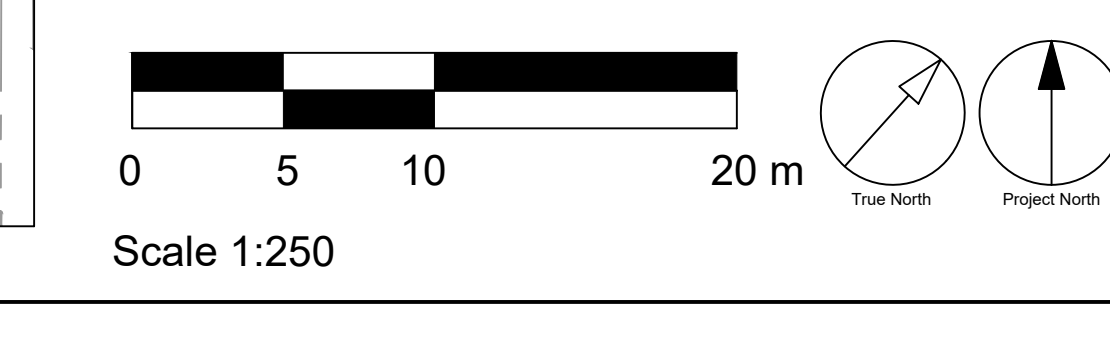
**PROJECT NO.:**  
OTT01 MAB 30298433

**DRAWN BY:** CC  
**CHECKED BY:** RR  
**PROJECT MGR:** RM  
**APPROVED BY:** RR/RM

**SHEET TITLE**  
SEDIMENT - EROSION PLAN

**SHEET NUMBER**  
C-900

**ISSUE**  
2



D07-12-25-0168 XXXX