

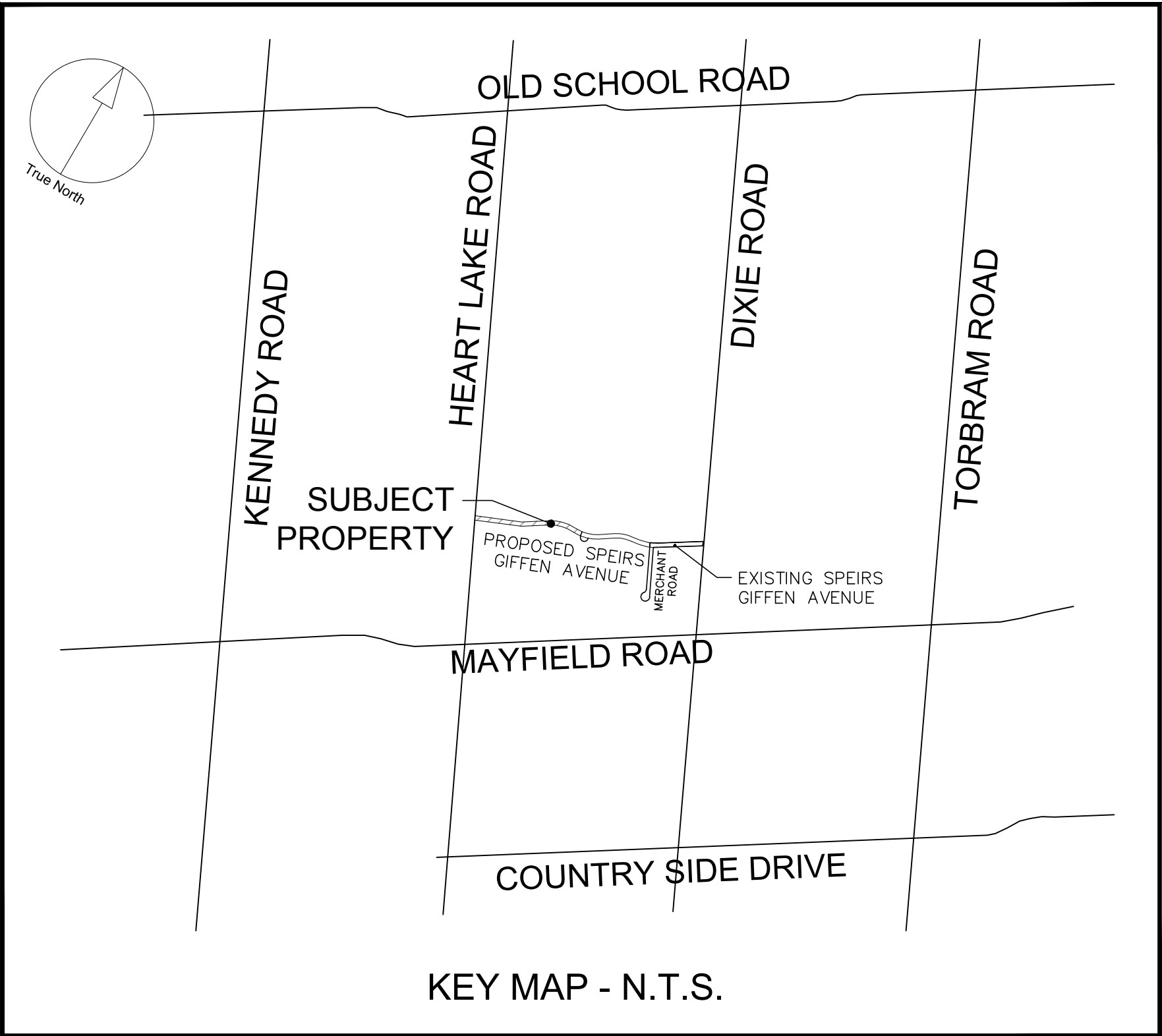


TOWN OF CALEDON REGION OF PEEL

12304 HEART LAKE ROAD SPIERS GIFFEN AVENUE EXTENSION

NOT FOR CONSTRUCTION

2022-04-22- ISSUED FOR SPA SUBMISSION





BROCCOLINI
2680 SKYMARK AVENUE
SUITE 800
MISSISSAUGA ON L4W 5L6 CANADA
tel 416 242 7772
broccolini.com



IBI GROUP
8133 WARDEN AVENUE
UNIT 300
MARKHAM ON L6G 1B3 CANADA
tel 905 763 2322
ibigroup.com

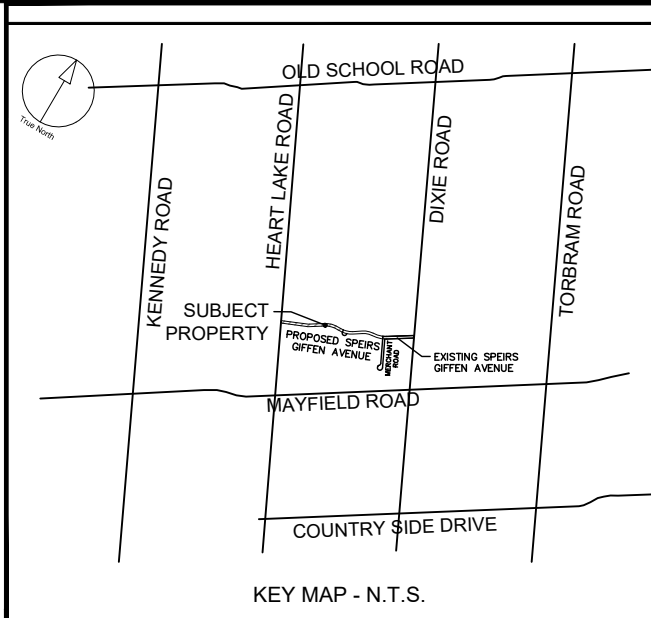
TOWN OF CALEDON
PLANNING
RECEIVED

June 14, 2022

DESCRIPTION:

26.0m INDUSTRIAL COLLECTOR ROAD FOR SPIERS GIFFEN AVENUE
EXTENSION. PACKAGE INCLUDES, SANITARY SERVICING DETAILS
FOR THE SUBJECT SITE.

No:	SHEET	DESCRIPTIONS
1	135636-SS-01	SITE SERVICING PLAN
2	135636-SS-02	SITE SERVICING PLAN
3	135636-PP-01	PLAN AND PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
4	135636-PP-02	PLAN AND PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
5	135636-PP-03	PLAN AND PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
6	135636-EC-01	EROSION AND SEDIMENT CONTROL PLAN
7	135636-EC-02	EROSION AND SEDIMENT CONTROL PLAN
8	135636-DD-01	GENERAL NOTES AND DETAILS
9	135636-DD-02	GENERAL NOTES AND DETAILS
10	135636-DD-03	GENERAL NOTES AND DETAILS
11	135636-DD-04	GENERAL NOTES AND DETAILS
12	135636-DD-05	GENERAL NOTES AND DETAILS



CLIENT

BROCCOLINI

2680 SKYMARK AVENUE, SUITE 800
MISSISSAUGA, ON. L4W5L6

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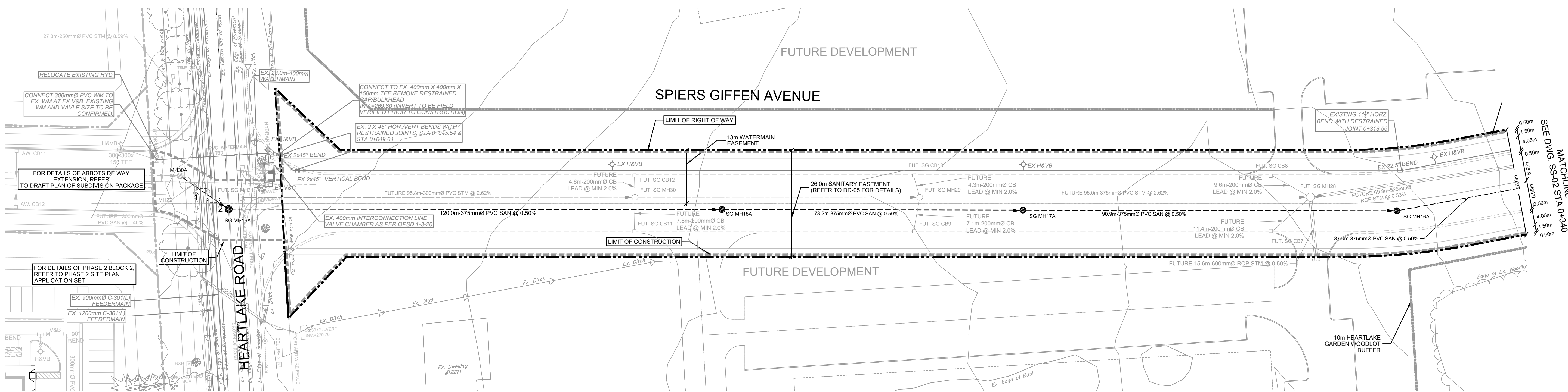
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IBI Group Professional Services (Canada) Inc.
is a member of the IBI Group of companies.

KEY PLAN

ISSUES		
No.	DESCRIPTION	DATE
1	ISSUED FOR SPA SUBMISSION	APR 22, 2022

LEGEND	
LIMIT OF RIGHT OF WAY	---
LIMIT OF CONSTRUCTION	---
FUTURE STORM MANHOLE	○
PROPOSED SANITARY MANHOLE	●
FUTURE SINGLE CATCH BASIN	□
FUTURE DOUBLE CATCH BASIN	▣
EXISTING STORM MANHOLE	○
EXISTING SANITARY MANHOLE	●
FUTURE STORM	---
PROPOSED SANITARY	---
EXISTING STORM	---
EXISTING SANITARY	---
EXISTING WATER	---



SANITARY SEWER STRUCTURE INVENTORY					
MH #	MH DIAMETER	MH OPSD	FRAME OPSD	TOP ELEV.	INVERTS
MH30A	1200mmØ	OPSD 701.010	401.010	272.10	E 264.18 (300mmØ) SW 264.27 (300mmØ)
SG MH12A	1200mmØ	OPSD 701.010	401.010	265.03	NE 255.36 (375mmØ) W 255.41 (375mmØ)
SG MH13A	1200mmØ	OPSD 701.010	401.010	265.80	E 255.89 (375mmØ) SW 255.94 (375mmØ)
SG MH14A	1200mmØ	OPSD 701.010	401.010	265.18	NE 256.38 (375mmØ) SW 256.43 (375mmØ)
SG MH15A	1200mmØ	OPSD 701.010	401.010	264.45	NE 256.90 (375mmØ) SW 256.95 (375mmØ)
SG MH16A	1200mmØ	OPSD 701.010	401.010	264.72	NE 257.39 (375mmØ) SW 257.44 (375mmØ)
SG MH17A	1200mmØ	OPSD 701.010	401.010	267.06	NE 257.89 (375mmØ) SW 257.95 (375mmØ)
SG MH18A	1200mmØ	OPSD 701.010	401.010	268.98	NE 258.32 (375mmØ) W 258.10 (250mmØ) W 264.12 (300mmØ) NW -0.12 (300mmØ)
SG MH19A	1500mmØ	OPSD 701.011	401.010	272.15	

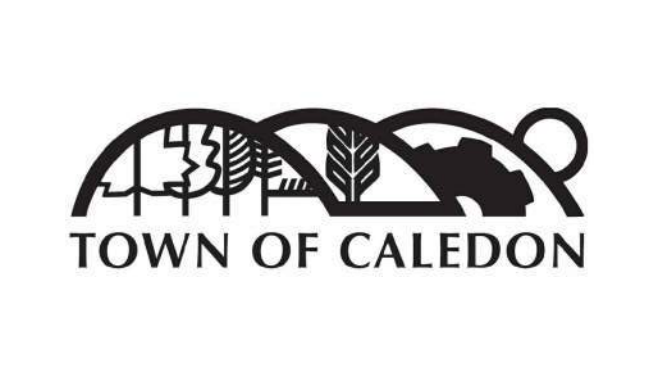
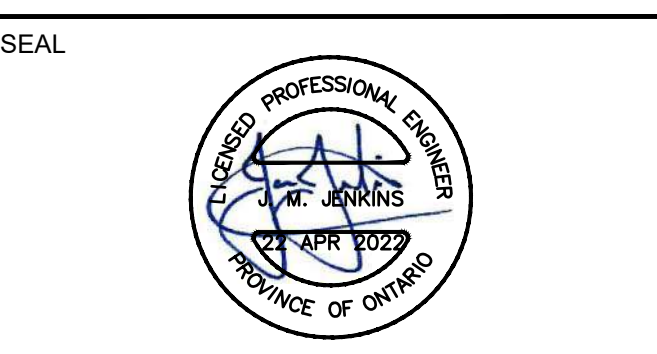
PIPE CROSSING INFORMATION		PIPE CROSSING SYMBOL
1. WM INV. 267.00 SAN OBV. 264.46 SEPERATION = 2.54m	2. WM INV. 266.90 SAN OBV. 264.44 SEPERATION = 2.46m	1

LIST OF DRAWINGS	
SS-01 - SITE SERVICING PLAN	
SS-02 - SITE SERVICING PLAN	
PP-01 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION	
PP-02 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION	
PP-03 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION	
EC-01 - EROSION AND SEDIMENT CONTROL PLAN	
EC-02 - EROSION AND SEDIMENT CONTROL PLAN	
DD-01 - GENERAL NOTES AND DETAILS	
DD-02 - GENERAL NOTES AND DETAILS	
DD-03 - GENERAL NOTES AND DETAILS	
DD-04 - GENERAL NOTES AND DETAILS	

SITE PLAN INFORMATION	SURVEYOR INFORMATION
WARE MALCOMB 260 UNIVERSITY AVE, SUITE 235 TORONTO, ON. M5H 3E5 PHONE: (416) 537-5700 WEBSITE: www.waremalcomb.com	R.F.E. SURVEYING LTD. ONTARIO LAND SURVEYORS 643 CHURCHILL ROAD, SUITE 7 WOODBRIDGE, ON. L4L 4A5 PHONE: (416) 635-5000 WEBSITE: www.rfe.ca

BENCHMARK INFORMATION:
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTO VERTICAL BENCHMARK NUMBER 528199991 HAVING AN ORTHOMETRIC ELEVATION OF 265.110 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1988, 1978 ADJUSTMENT (CGVD-1988/1978).

SCALE H1:500
V: 1:50



IBI GROUP
Unit 300 - 8133 Warden Avenue
Markham ON L6G 1B3 Canada
tel 905 763 2322 fax 905 763 9983
ibigroup.com

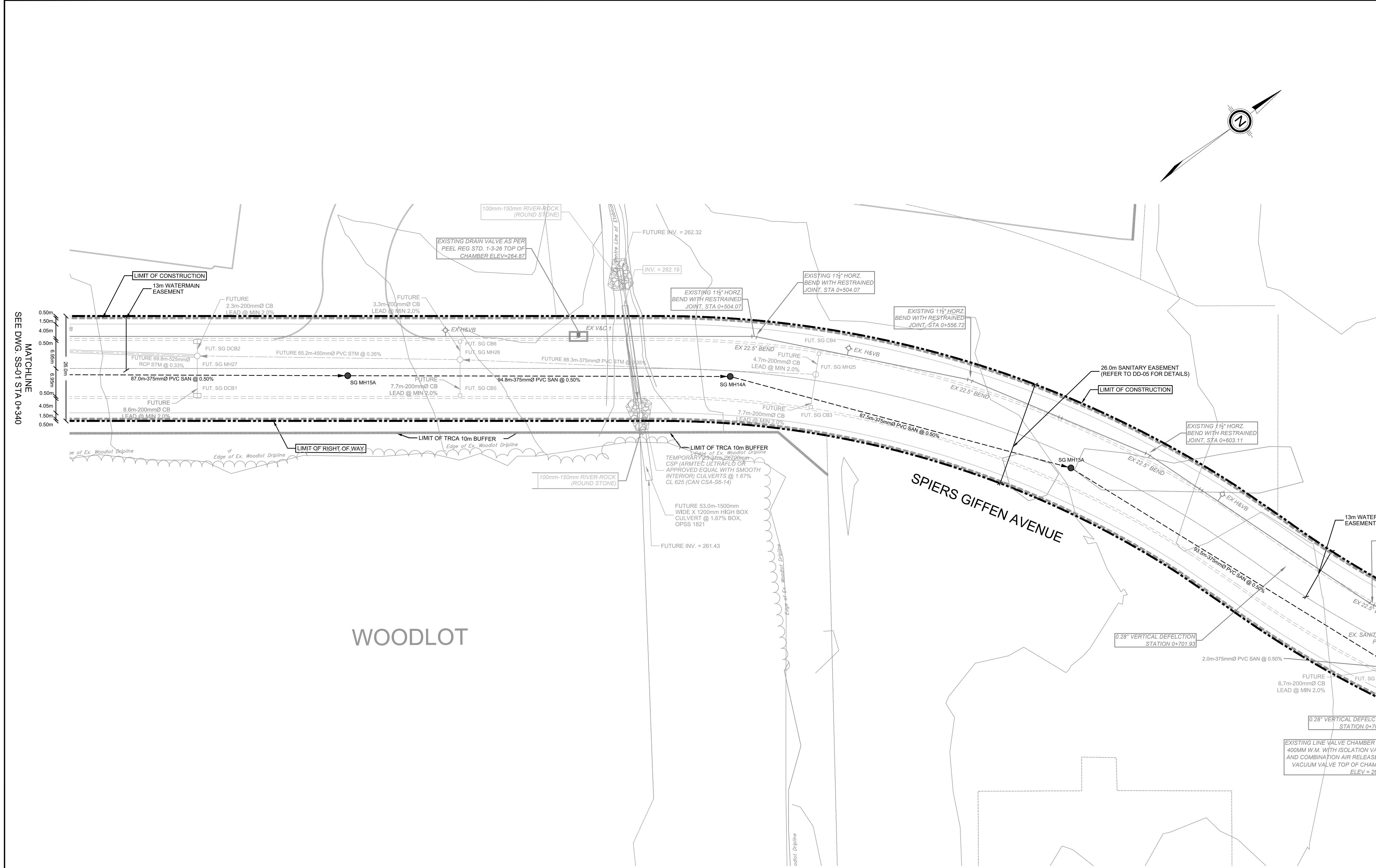
PROJECT
**12304 HEART LAKE ROAD
SPIERS GIFFEN AVENUE
EXTENSION
CALEDON, ON. L7C 2J2**

PROJECT NO: 135636	CHECKED BY: JJ
DRAWN BY: KP	APPROVED BY: JJ
PROJECT MGR: JJ	

SHEET TITLE

SITE SERVICING PLAN

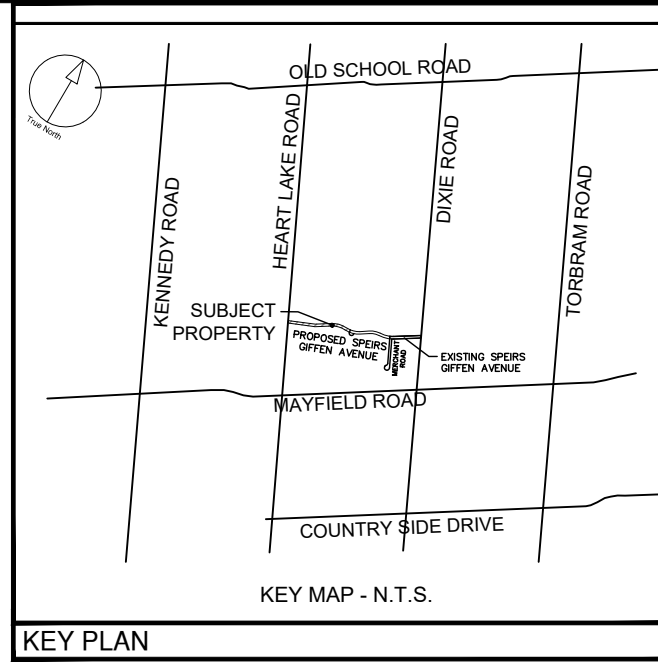
SHEET NUMBER	ISSUE
SS-01	01



MATCHLINE
SEE DWG. SS-01 STA 0+340

SANITARY SEWER STRUCTURE INVENTORY					
MH #	MH DIAMETER	MH OPSD	FRAME OPSD	TOP ELEV.	INVERTS
MH30A	1200mmØ	OPSD 701.010	401.010	272.10	E 264.18 (300mmØ) SW 264.27 (300mmØ)
SG MH12A	1200mmØ	OPSD 701.010	401.010	265.03	NE 255.36 (375mmØ) W 255.41 (375mmØ)
SG MH13A	1200mmØ	OPSD 701.010	401.010	265.80	E 255.89 (375mmØ) SW 255.94 (375mmØ)
SG MH14A	1200mmØ	OPSD 701.010	401.010	265.18	NE 256.38 (375mmØ) SW 256.43 (375mmØ)
SG MH15A	1200mmØ	OPSD 701.010	401.010	264.45	NE 256.90 (375mmØ) SW 256.95 (375mmØ)
SG MH16A	1200mmØ	OPSD 701.010	401.010	264.72	NE 257.39 (375mmØ) SW 257.44 (375mmØ)
SG MH17A	1200mmØ	OPSD 701.010	401.010	267.06	NE 257.89 (375mmØ) SW 257.95 (375mmØ)
SG MH18A	1200mmØ	OPSD 701.010	401.010	268.98	NE 258.32 (375mmØ) SW 258.37 (375mmØ)
SG MH19A	1500mmØ	OPSD 701.011	401.010	272.15	NE 258.87 (375mmØ) W 259.10 (250mmØ) W 264.12 (300mmØ) NW -0.12 (300mmØ)

PIPE CROSSING INFORMATION		PIPE CROSSING SYMBOL
1. WM INV. 267.00 SAN O.B.V. 264.46 SEPERATION = 2.54m	2. WM INV. 266.90 SAN O.B.V. 264.44 SEPERATION = 2.46m	1



CLIENT

BROCCOLINI

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MISSISSAUGA, ON. L4W5L6

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is a member of the IBI Group of companies.

ISSUES		
No.	DESCRIPTION	DATE
1	ISSUED FOR SPA SUBMISSION	APR 22, 2022

LEGEND

LIMIT OF RIGHT OF WAY
LIMIT OF CONSTRUCTION
FUTURE STORM MANHOLE
PROPOSED SANITARY MANHOLE
FUTURE SINGLE CATCH BASIN
FUTURE DOUBLE CATCH BASIN
EXISTING STORM MANHOLE
EXISTING SANITARY MANHOLE
FUTURE STORM
PROPOSED SANITARY
EXISTING STORM
EXISTING SANITARY
EXISTING WATER

SEAL

TOWN OF CALEDON

IBI GROUP

Unit 300 - 8133 Warden Avenue
Markham ON L6G 1B3 Canada
Tel 905 763 2322 Fax 905 763 9983
ibigroup.com

PROJECT

12304 HEART LAKE ROAD
SPIERS GIFFEN AVENUE
EXTENSION
CALEDON, ON. L7C 2J2

PROJECT NO:
135636

DRAWN BY:
KP

CHECKED BY:
JJ

PROJECT MGR:
JJ

APPROVED BY:
JJ

SHEET TITLE

SITE SERVICING PLAN

LIST OF DRAWINGS

SS-01 - SITE SERVICING PLAN
SS-02 - SITE SERVICING PLAN
PP-01 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
PP-02 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
PP-03 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
EC-01 - EROSION AND SEDIMENT CONTROL PLAN
EC-02 - EROSION AND SEDIMENT CONTROL PLAN
DD-01 - GENERAL NOTES AND DETAILS
DD-02 - GENERAL NOTES AND DETAILS
DD-03 - GENERAL NOTES AND DETAILS
DD-04 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION

WARE MALCOMB
260 UNIVERSITY AVE, SUITE 205
TORONTO, ON. M5H 3E5
PHONE: (416) 537-5700
WEBSITE: www.waremalcomb.com

SUBVEYOR INFORMATION

R.I.P.E. SURVEYING LTD.
ONTARIO LAND SURVEYORS
643 CHURCHILL ROAD, SUITE 7
WOODBRIDGE, ON. L4L 4A3
PHONE: (416) 635-5000
WEBSITE: www.rpe.ca

BENCHMARK INFORMATION:

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTO VERTICAL BENCHMARK NUMBER 528199981 HAVING AN ORTHOMETRIC ELEVATION OF 266.110 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1988, 1978 ADJUSTMENT (CGVD 1988/1978).

SCALE H1:500

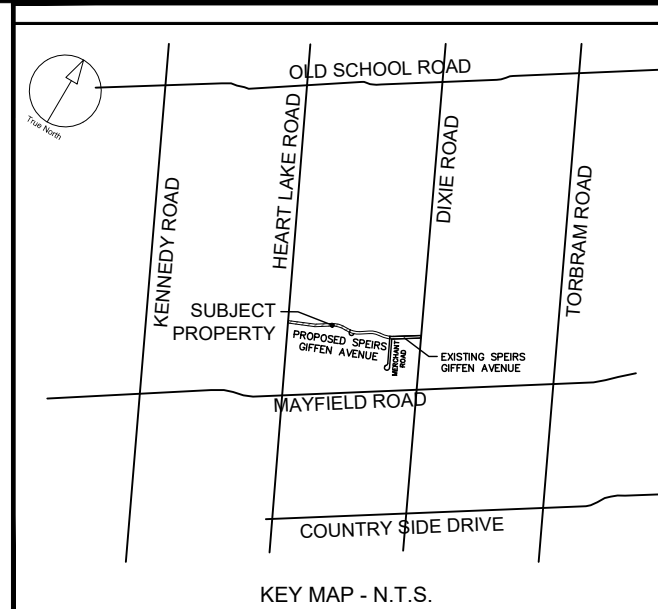
0 5.0m 10.0m 15.0m 20.0m
V: 1:50

SHEET NUMBER

SS-02

ISSUE

01



SEE DWG. PP-02 STA 0+240

CLIENT

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2680 SKYMARK AVENUE, SUITE 800
MISSISSAUGA, ON. L4W5L6

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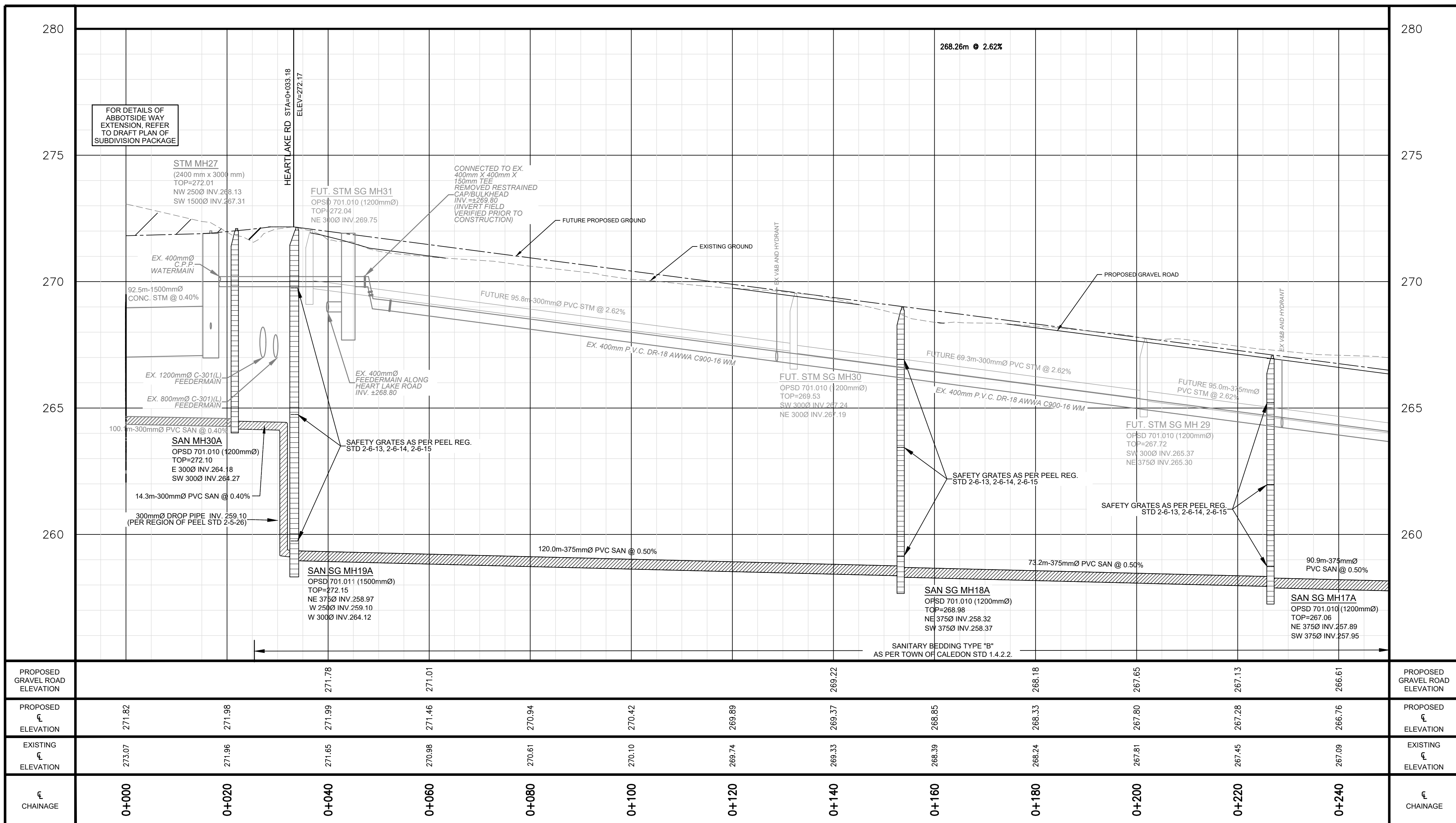
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ISSUES		
No.	DESCRIPTION	DATE
1	ISSUED FOR SPA SUBMISSION	APR 22, 2022

LEGEND

LIMIT OF RIGHT OF WAY	=====
LIMIT OF CONSTRUCTION	-----
FUTURE STORM MANHOLE	○
PROPOSED SANITARY MANHOLE	◐
FUTURE SINGLE CATCH BASIN	□
FUTURE DOUBLE CATCH BASIN	▣
EXISTING STORM MANHOLE	○
EXISTING SANITARY MANHOLE	◐
FUTURE STORM	-----
PROPOSED SANITARY	=====
EXISTING STORM	-----
EXISTING SANITARY	=====
EXISTING WATER	-----



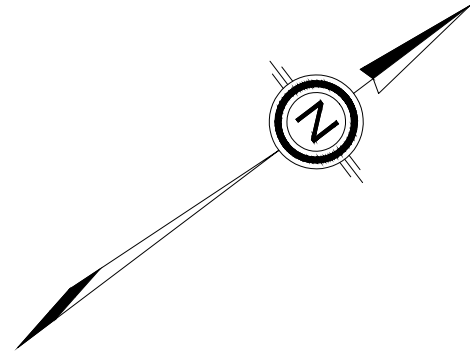
SITE PLAN INFORMATION		SURVEYOR INFORMATION	
WATER MALCOLM 260 UNIVERSITY AVE. SUITE 235 WATERLOO, ONTARIO N2L 2K4 PHONE: (416) 537/5700 WEBSITE: www.watermalcolm.com		R.P.E. SURVEYING LTD. ONTARIO LAND SURVEYORS 844 CHERRIE LAKE ROAD, SUITE 7 WOODBINE, ON. L4A 3A3 PHONE: (416) 635-0200 WEBSITE: www.rpe.ca	
BENCHMARK INFORMATION: ALL BENCHMARKS REFERRED TO HEREIN TO NATIONAL BENCHMARK NUMBER 009099091 HAVING AN ORTHOMETRIC ELEVATION OF 265.112 METERS (NAD 83) AND A MEAN SEA LEVEL DATUM OF 1985. THE NATIONAL GEOGRAPHIC VERTICAL DATUM OF 1985, 1975 ADJUSTATION (CGVD 1985) REFERS TO:			
SCALE 1"=150' 0"			
0 5.0m 10.0m 15.0m 20.0m			
V: 1.50			

		IBI GROUP Unit 300 - 8133 Warden Avenue Markham ON L6G 1B3 Canada tel 905 763 2322 fax 905 763 9983 ibigroup.com	
PROJECT			
12304 HEART LAKE ROAD SPIERS GIFFEN AVENUE EXTENSION CALEDON, ON. L7C 2J2			
PROJECT NO: 135636			
DRAWN BY: KP		CHECKED BY: JJ	
PROJECT MGR: JJ		APPROVED BY: JJ	
SHEET TITLE			
PLAN PROFILE SPIERS GIFFEN AVENUE			
SHEET NUMBER		ISSUE	
PP-01		01	

MATCHLINE



MATCHLINE
















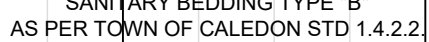
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No.	DESCRIPTION	DATE
1	ISSUED FOR SPA SUBMISSION	APR 22, 2018

<u>LEGEND</u>	
LIMIT OF RIGHT OF WAY	
LIMIT OF CONSTRUCTION	
FUTURE STORM MANHOLE	
PROPOSED SANITARY MANHOLE	
FUTURE SINGLE CATCH BASIN	
FUTURE DOUBLE CATCH BASIN	
EXISTING STORM MANHOLE	
EXISTING SANITARY MANHOLE	
FUTURE STORM	
PROPOSED SANITARY	
EXISTING STORM	
EXISTING SANITARY	
EXISTING WATER	



IBI GROUP
Unit 300 – 8133 Warden Avenue
Markham ON L6G 1B3 Canada
tel 905 763 2322 fax 905 763 9983
ibigroup.com

PROJECT
12304 HEART LAKE ROAD
SPIERS GIFFEN AVENUE
EXTENSION
CALEDON, ON. L7C 2J2

PROJECT NO: 135636	
DRAWN BY: KP	CHECKED BY: JJ
PROJECT MGR: JJ	APPROVED BY: JJ

SHEET TITLE

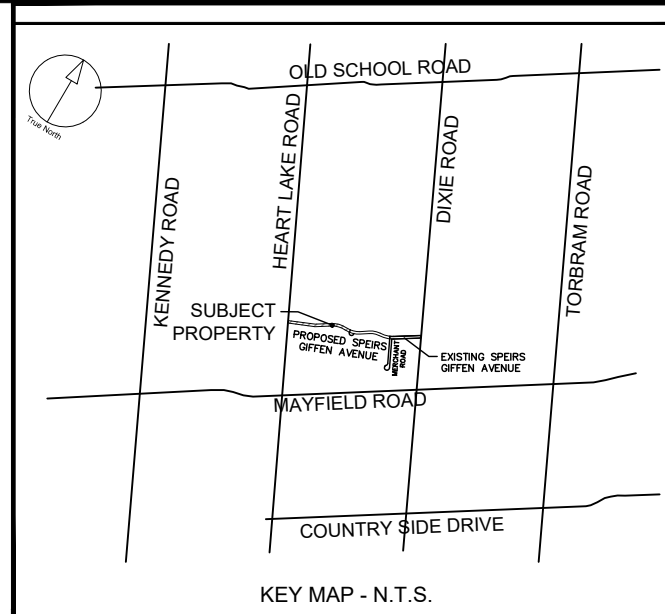
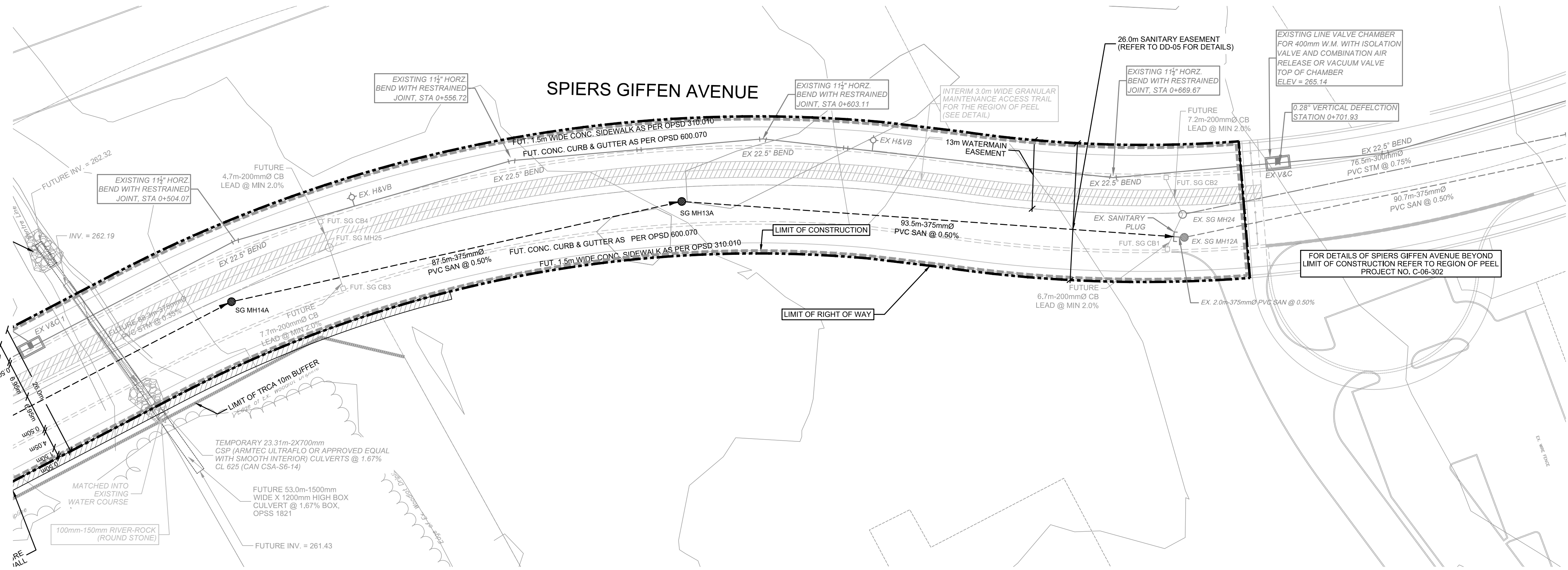
PLAN PROFILE

SPIERS GIFFEN AVENUE

SHEET NUMBER	ISSUE
PP-02	01

LIST OF DRAWINGS	
SS-01 - SITE SERVICING PLAN	
SS-02 - SITE SERVICING PLAN	
SP-01 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION	
SP-02 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION	
EP-03 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION	
EC-01 - EROSION AND SEDIMENT CONTROL PLAN	
GC-02 - GENERAL NOTES AND DETAILS	
DO-01 - GENERAL NOTES AND DETAILS	
DO-02 - GENERAL NOTES AND DETAILS	
DO-03 - GENERAL NOTES AND DETAILS	
DO-04 - GENERAL NOTES AND DETAILS	
SITE PLAN INFORMATION	
WASE MA/COMB	R-P SURVEYING LTD.
250 UNIVERSITY AVE. SUITE 235	ONTARIO LAND SURVEYORS
TORONTO, ON M5H 3P5	100 CHURCHILL ROAD, SUITE 27
PHONE: (416) 597-5202	WOODBRIIDGE, ON L4V 3A3
WEBSITE: www.wasema.com	PHONE: (416) 639-5000
	WEBSITE: www.r-p.ca
BENCHMARK INFORMATION:	
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTD VERTICAL DATUM 1988 (MVD 88). THE BENCHMARK ELEVATION OF 265.15 METERS (ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC DATUM 1988, 1979 ADJUSTED) IS GEODETIC.	
SCALE 1:1,500	
0	5.0m 10.0m 15.0m 20.0m

MATCHLINE
SEE DWG. PP-02 STA 0+480



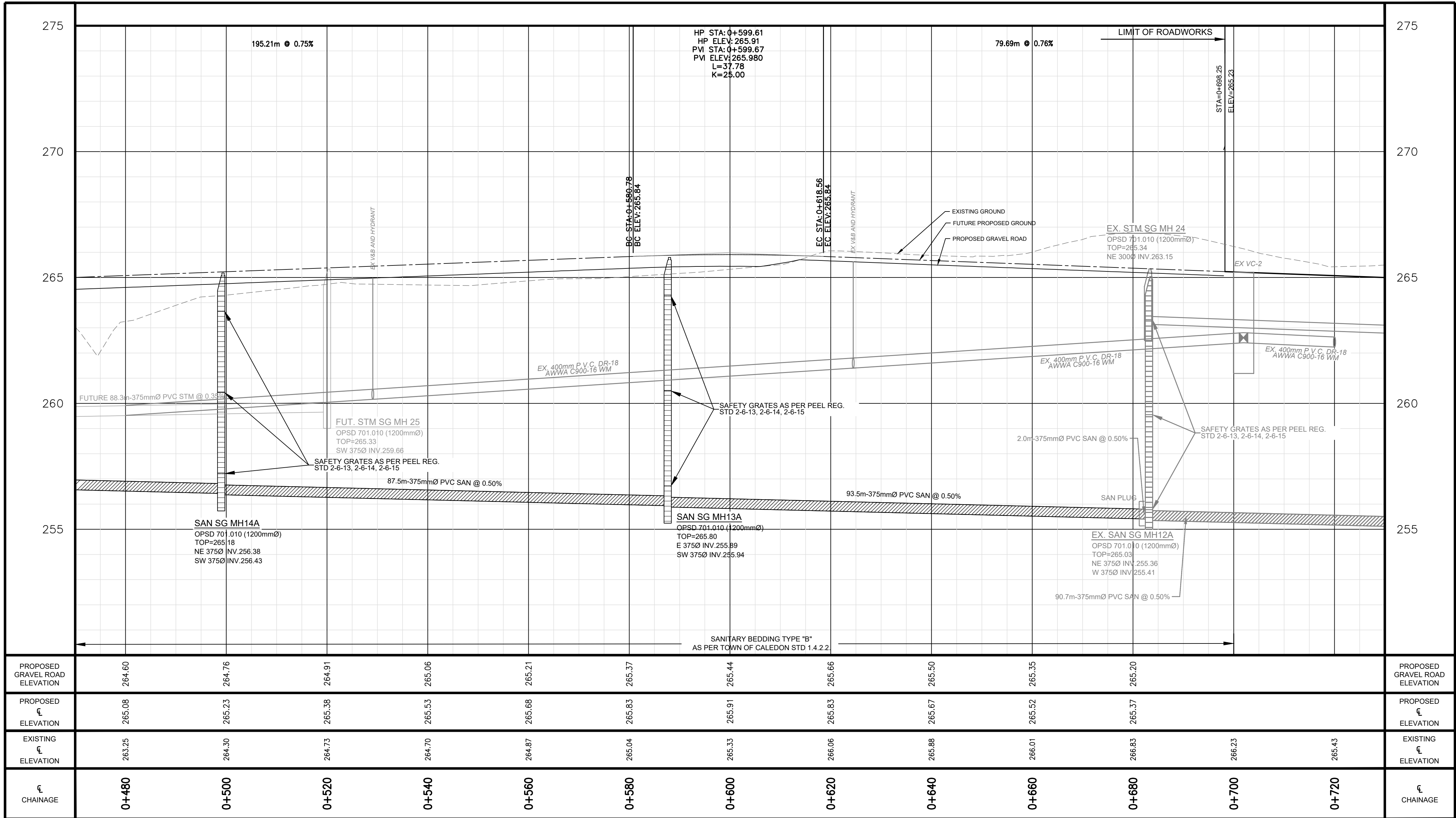
CLIENT
BROCCOLINI

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MISSISSAUGA, ON. L4W5L6

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ISSUES	DESCRIPTION	DATE
No.		
1	ISSUED FOR SPA SUBMISSION	APR 22, 2022

LEGEND	
LIMIT OF RIGHT OF WAY	-----
LIMIT OF CONSTRUCTION	-----
FUTURE STORM MANHOLE	○
PROPOSED SANITARY MANHOLE	●
FUTURE SINGLE CATCH BASIN	□
FUTURE DOUBLE CATCH BASIN	□
EXISTING STORM MANHOLE	○
EXISTING SANITARY MANHOLE	●
FUTURE STORM	-----
PROPOSED SANITARY	-----
EXISTING STORM	-----
EXISTING SANITARY	-----
EXISTING WATER	-----



LIST OF DRAWINGS
SS-01 - SITE SERVICING PLAN
SS-02 - SITE SERVICING PLAN
PP-01 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
PP-02 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
PP-03 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
EC-01 - EROSION AND SEDIMENT CONTROL PLAN
EC-02 - EROSION AND SEDIMENT CONTROL PLAN
DD-01 - GENERAL NOTES AND DETAILS
DD-02 - GENERAL NOTES AND DETAILS
DD-03 - GENERAL NOTES AND DETAILS
DD-04 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION
WARE MALCOMB
250 UNIVERSITY AVE, SUITE 205
TORONTO, ON. M5H 3E5
PHONE: (416) 537-5700
WEBSITE: www.waremalcomb.com

SURVEYOR INFORMATION
RIFE SURVEYING LTD.
ONTARIO LAND SURVEYORS
643 CHURCHILL ROAD, SUITE 7
WOODBRIDGE, ON. L4L 4A5
PHONE: (416) 835-5000
WEBSITE: www.rife.ca

BENCHMARK INFORMATION:
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTO VERTICAL BENCHMARK NUMBER 528199991 HAVING AN ORTHOMETRIC ELEVATION OF 268.112 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1988, 1978 ADJUSTMENT (CGVD 1988/1978).

SCALE H:1:500 5.0m 0 5.0m 10.0m 15.0m 20.0m
V: 1:50

SEAL

TOWN OF CALEDON

IBI GROUP
Unit 300 - 8133 Warden Avenue
Markham ON L6G 1B3 Canada
tel 905 783 2322 fax 905 783 9983
ibigroup.com

PROJECT
**12304 HEART LAKE ROAD
SPIERS GIFFEN AVENUE
EXTENSION
CALEDON, ON. L7C 2J2**

PROJECT NO:
135636

DRAWN BY:
KP

CHECKED BY:
JJ

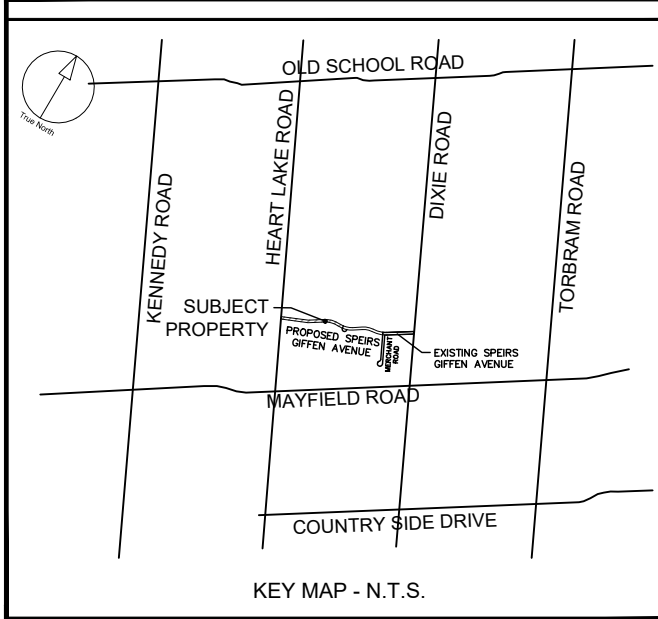
PROJECT MGR:
JJ

APPROVED BY:
JJ

SHEET TITLE
**PLAN PROFILE
SPIERS GIFFEN AVENUE**

SHEET NUMBER
PP-03

ISSUE
01



CLIENT
BROCCOLINI

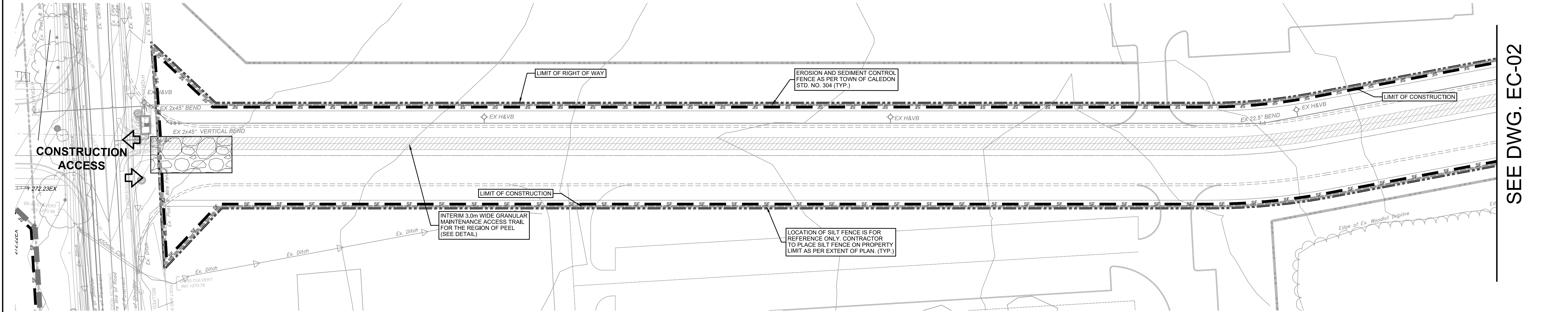
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MISSISSAUGA, ON. L4W5L6

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ISSUES		
No.	DESCRIPTION	DATE
1	ISSUED FOR SPA SUBMISSION	APR 22, 2022

LEGEND	
LIMIT OF RIGHT OF WAY	-----
LIMIT OF CONSTRUCTION	-----
TEMPORARY SEDIMENT CONTROL FENCE	--- SF ---
TEMPORARY CONSTRUCTION ACCESS	↔
TEMPORARY GRAVEL MUD MAT	XXXXXX



SOIL STABILIZATION:

1. STABILIZE DISTURBED GROUND AND STOCKPILES BY SEEDING, SODDING, MULCHING, COVERING, OR OTHER ACCEPTABLE CONTROL MEASURES, IF GROUND IS INACTIVE FOR THIRTY(30) DAYS. (SEE TRCA ESC GUIDELINES FOR DETAILS)

SILTATION AND EROSION CONTROL

- A. SILTATION CONTROL BARRIERS SHALL BE PLACED AS DETAILED.
- B. ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL AS DIRECTED AND TO THE SATISFACTION OF THE TOWN OF CALEDON.
- C. ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE TOWN OF CALEDON.

IMPORTANT NOTE:

IN THE EVENT THAT THE APPROVED EROSION AND SEDIMENT CONTROLS AND STORMWATER MANAGEMENT FACILITIES ARE NOT EFFECTIVELY CONTROLLING SEDIMENT RELEASE INTO THE NATURAL ENVIRONMENT, THE PROJECT MANAGER OR SITE SUPERVISOR WILL IMMEDIATELY UPGRADE CONTROLS TO RECTIFY THE SITUATION.

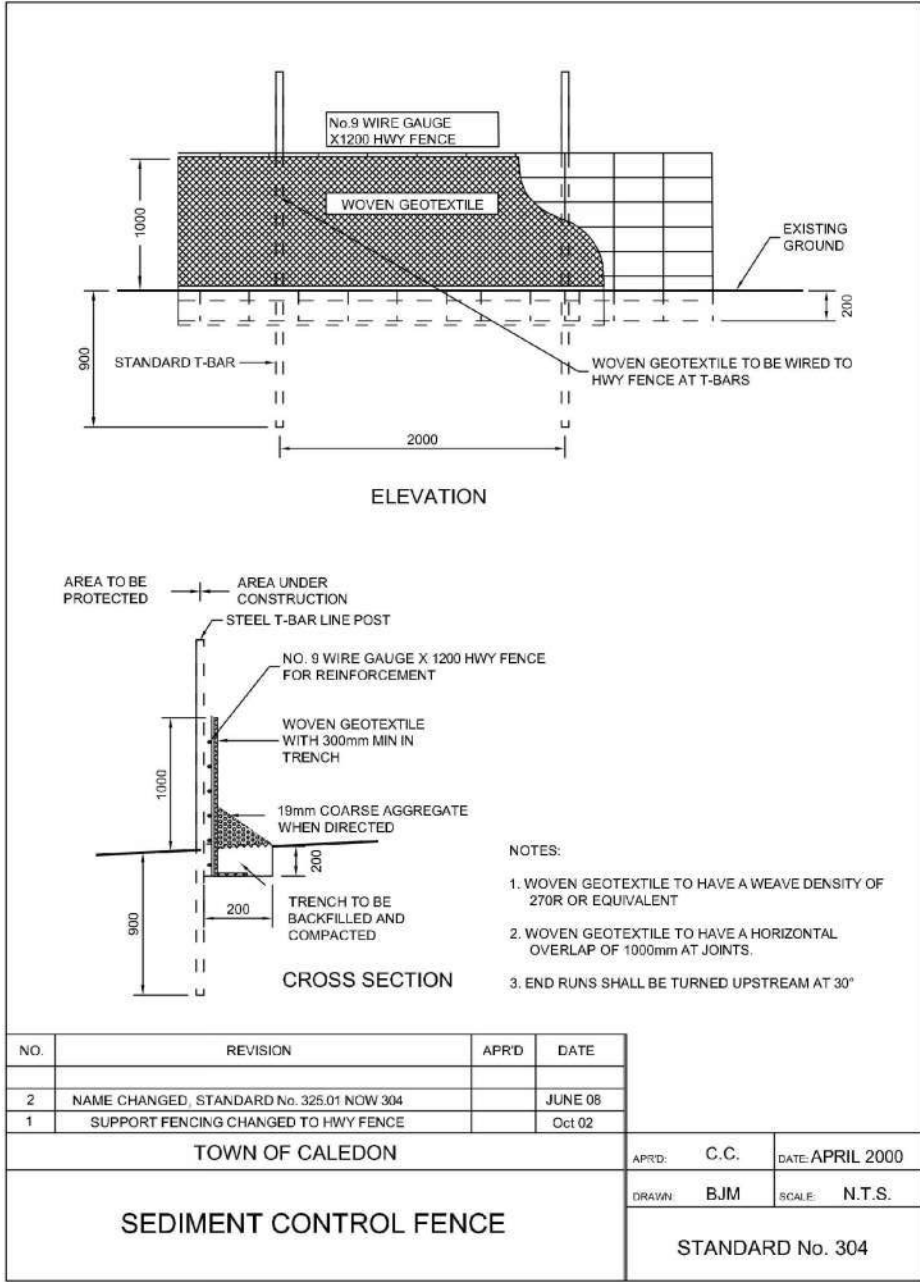
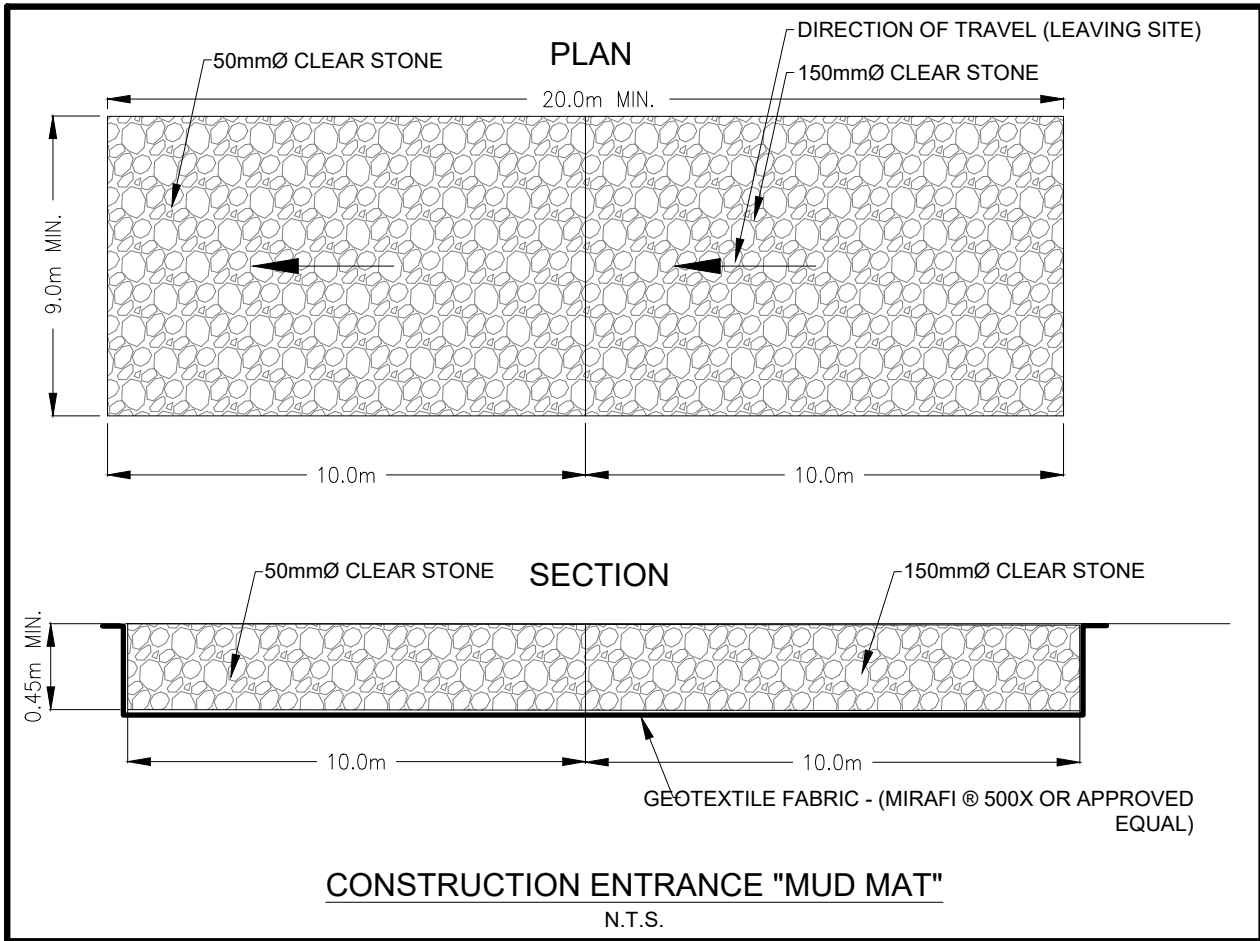
DURING CONSTRUCTION:

1. STONE JACKET TO BE WRAPPED IN FILTER CLOTH.
2. FILTER CLOTH WRAPPINGS ON STONE JACKET TO BE INSPECTED AFTER EACH RAINFALL EVENT AND REPLACED IF CLOGGED.
3. ACCUMULATED SEDIMENT TO BE REMOVED AS REQUIRED.
4. AT COMPLETION OF CONSTRUCTION:
 - ACCUMULATED SEDIMENT TO BE REMOVED AND DISPOSED OFFSITE.
 - FILTER CLOTH TO BE REMOVED FROM STONE JACKET.
 - TOPSOIL, SEED AND PLANT AS PER SPECIFICATIONS.

EROSION AND SEDIMENT CONTROL NOTES:

FOLLOWING ARE THE MINIMUM OR "GOOD HOUSEKEEPING" REQUIREMENTS, TO ACHIEVE EROSION CONTROL DURING THE CONSTRUCTION PERIOD. THE MEASURES WILL BE INSPECTED PERIODICALLY BY MUNICIPAL STAFF. IT IS THE RESPONSIBILITY OF THE DEVELOPER/GENERAL CONTRACTOR TO ASSURE THEIR CONTINUED EFFECTIVENESS THROUGHOUT CONSTRUCTION.

1. PROVIDE GRAVEL ENTRANCE WHEREVER EQUIPMENT LEAVES THE SITE TO PREVENT MUD TRACKING ONTO PAVED SURFACES. GRAVEL BED SHALL BE A MINIMUM OF 30m LONG, 6m WIDE AND 0.45m DEEP AND SHALL CONSIST OF COARSE (2" CRUSHER-RUN LIMESTONE) MATERIAL. MAINTAIN GRAVEL ENTRANCE IN CLEAN CONDITION.
2. COVER ALL CATCHBASINS WITH 6mm STEEL PLATE THAT IS FIRMLY SECURED TO THE CB GRATING WITH CLAMPS, SCREWS OR WIRES. COVER TO REMAIN IN PLACE UNTIL ROUGH PAVING IS COMPLETED. MAINTAIN GOOD HOUSEKEEPING TO PREVENT WATERBORNE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. IF THE CBS MUST BE USED FOR SITE DRAINAGE DURING CONSTRUCTION, THEY ARE EACH TO BE SURROUNDED BY A STRAW BALE SILT-TRAP.
3. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES TO BE SEEDDED IF THEY ARE TO REMAIN ON-SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN ONE MONTH).
4. CONTROL WIND-BLOWN DUST OFF-SITE TO ACCEPTABLE LEVELS, BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY, AND/OR WATERING, AS REQUIRED.
5. TEMPORARY SOIL STOCKPILES SHOULD BE PLACED AWAY FROM ALL WATERCOURSES.
6. SILT FENCE & SEDIMENT TRAP TO BE CLEANED PERIODICALLY AS REQUIRED.



EROSION CONTROL MEASURES

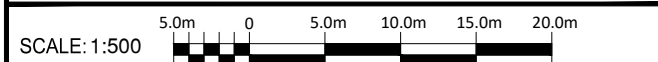
1. ALL EROSION AND SEDIMENT CONTROL FACILITIES ARE TO BE INSPECTED BY THE CONSULTING ENGINEER ONCE A WEEK AND AFTER EACH RAINFALL OF 10mm OR GREATER OR A SIGNIFICANT SNOW MELT. DAILY INSPECTIONS ARE REQUIRED DURING EXTENDED RAINFALL OR SNOW MELT PERIODS.
2. ALL DAMAGED ESC FACILITIES ARE TO BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF INSPECTION.
3. SILTATION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO WORKS COMMENCING ON THE SITE AND SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION, TO THE SATISFACTION OF THE CITY.
4. ALTERNATIVE METHODS OF EROSION CONTROL MUST BE REVIEWED AND APPROVED BY IBI GROUP PRIOR TO IMPLEMENTATION. CONTRACTOR TO SUBMIT PLAN FOR REVIEW AND APPROVAL BY IBI GROUP.
5. SILT FENCING SHALL BE AS PER TOWN OF CALEDON STD NO.304 PER DETAIL AND INSTALLED PRIOR TO COMMENCEMENT OF ANY AREA GRADING, EXCAVATION OR DEMOLITION AND LOCATED WHERE OFF-SITE FLOWS OCCUR.
6. ALL CATCHBASINS TO HAVE SEDIMENT TRAP OR SEDIMENT BARRIER INSTALLED AS PER TOWN OF CALEDON STDs NO.302 AND 303.
7. ALL STOCKPILE LOCATIONS TO BE MINIMUM 2.50m FROM PROPERTY LINE AND SURROUNDED BY SILT FENCING TO AVOID OFF-SITE MIGRATION OF SEDIMENT.
8. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. CONTRACTOR TO PROVIDE ALL ADDITIONAL EROSION CONTROL FEATURES TO PREVENT SEDIMENT FROM LEAVING THE SITE.
9. CONTRACTOR IS RESPONSIBLE FOR REMOVING SEDIMENTS FROM THE MUNICIPAL ROADWAY AND SIDEWALKS AT THE END OF EACH WORK DAY.
10. ALL EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RE-STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
11. CONTRACTOR TO MINIMIZE EXTENT OF DISTURBED AREA AND DURATION OF EXPOSURE. STABILIZE/PROTECT DISTURBED AREA AS SOON AS POSSIBLE.
12. CONTRACTOR TO MONITOR THE SITE DEVELOPMENT TO ENSURE ALL EROSION CONTROLS ARE INSTALLED AND MAINTAINED TO MUNICIPAL REQUIREMENTS.
13. CONTRACTOR TO COMPLY WITH THE ENGINEER'S INSTRUCTIONS TO INSTALL, MODIFY OR MAINTAIN EROSION CONTROL WORKS.
14. EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY BY IBI GROUP AND ANY DAMAGE REPAIRED IMMEDIATELY. CONTRACTOR WILL REMOVE SEDIMENTS WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE STRUCTURE. (I.E. FENCE)
15. SEE DWG. EC-05 FOR FURTHER INFO FOR SEDIMENT CONTROL MEASURES.
16. SEE STORMWATER MANAGEMENT REPORT PREPARED BY IBI GROUP (BI PROJECT NO. 32529) FOR FURTHER INFO ON EROSION AND SEDIMENT CONTROLS.
17. ALL DISTURBED GROUND LEFT INACTIVE SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING OR COVERING, OR OTHER EQUIVALENT CONTROL MEASURE. THE PERIOD OF TIME OF INACTIVITY SHALL NOT EXCEED 30 DAYS, UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING.
18. CONSTRUCTION ACCESS ROUTES SHALL BE CLEARED OF MUD AND DUST DAILY.
19. INTERNAL AND EXTERNAL ROADS TO BE SCRAPED, FLUSHED AND SWEEPED TWICE WEEKLY. THIS WORK SHALL BE COMPLETED EVERY TUESDAY AND FRIDAY OF EACH WEEK AND CONTINUE UNTIL ALL LOTS ARE SODDED.

THE EROSION AND SEDIMENT CONTROL (ESC) STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASES TO THE NATURAL ENVIRONMENT. FAILED ESC MEASURES SHOULD BE REPAIRED WITHIN 48 HOURS.

LIST OF DRAWINGS	
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SS-02 - SITE SERVICING PLAN	
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PP-02 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION	
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DD-05 - GENERAL NOTES AND DETAILS	

SITE PLAN INFORMATION	
WARE MALCOLM 250 UNIVERSITY AVE, SUITE 235 TORONTO, ON. M5H 3E5 PHONE: (416) 537-5700 WEBSITE: www.waremalcolm.com	R.F.E. SURVEYING LTD. ONTARIO LAND SURVEYORS 640 CHURCHILL ROAD, SUITE 7 WOODBRIDGE, ON. L4L 1A5 PHONE: (416) 835-5000 WEBSITE: www.rfe.ca

BENCHMARK INFORMATION:
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTD VERTICAL BENCHMARK NUMBER 528199991 HAVING AN ORTHOMETRIC ELEVATION OF 265.110 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1988, 1978 ADJUSTMENT (CGVD-1988/1978).



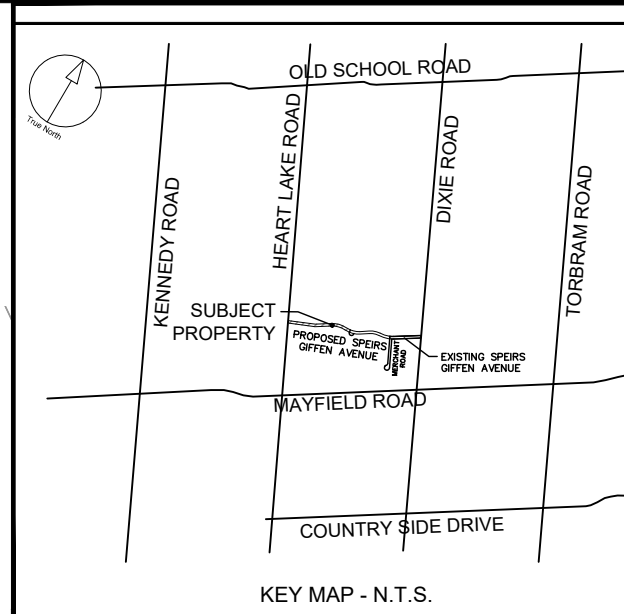
PROJECT
**12304 HEART LAKE ROAD
SPIERS GIFFEN AVENUE
EXTENSION
CALEDON, ON. L7C 2J2**

PROJECT NO: 135636	CHECKED BY: JJ
DRAWN BY: KP	APPROVED BY: JJ
PROJECT MGR: JJ	

SHEET TITLE
**EROSION AND SEDIMENT
CONTROL PLAN**

SHEET NUMBER EC-01	ISSUE 01
------------------------------	--------------------

SEE DWG. EC-01



CLIENT
BROCCOLINI

2680 SKYMARK AVENUE, SUITE 800
MISSISSAUGA, ON. L4W5L6

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ISSUES		
No.	DESCRIPTION	DATE
1	ISSUED FOR SPA SUBMISSION	APR 22, 2022

LEGEND	
LIMIT OF RIGHT OF WAY	-----
LIMIT OF CONSTRUCTION	-----
TEMPORARY SEDIMENT CONTROL FENCE	--- SF ---
TEMPORARY CONSTRUCTION ACCESS	←
TEMPORARY GRAVEL MUD MAT	XXXXXX

SOIL STABILIZATION:

1. STABILIZE DISTURBED GROUND AND STOCKPILES BY SEEDING, SODDING, MULCHING, COVERING, OR OTHER ACCEPTABLE CONTROL MEASURES, IF GROUND IS INACTIVE FOR THIRTY(30) DAYS. (SEE TRCA ESC GUIDELINES FOR DETAILS)

SILTATION AND EROSION CONTROL

- A. SILTATION CONTROL BARRIERS SHALL BE PLACED AS DETAILED.
- B. ALL SILTATION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED AFTER EACH RAINFALL AS DIRECTED AND TO THE SATISFACTION OF THE TOWN OF CALEDON.
- C. ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE TOWN OF CALEDON.

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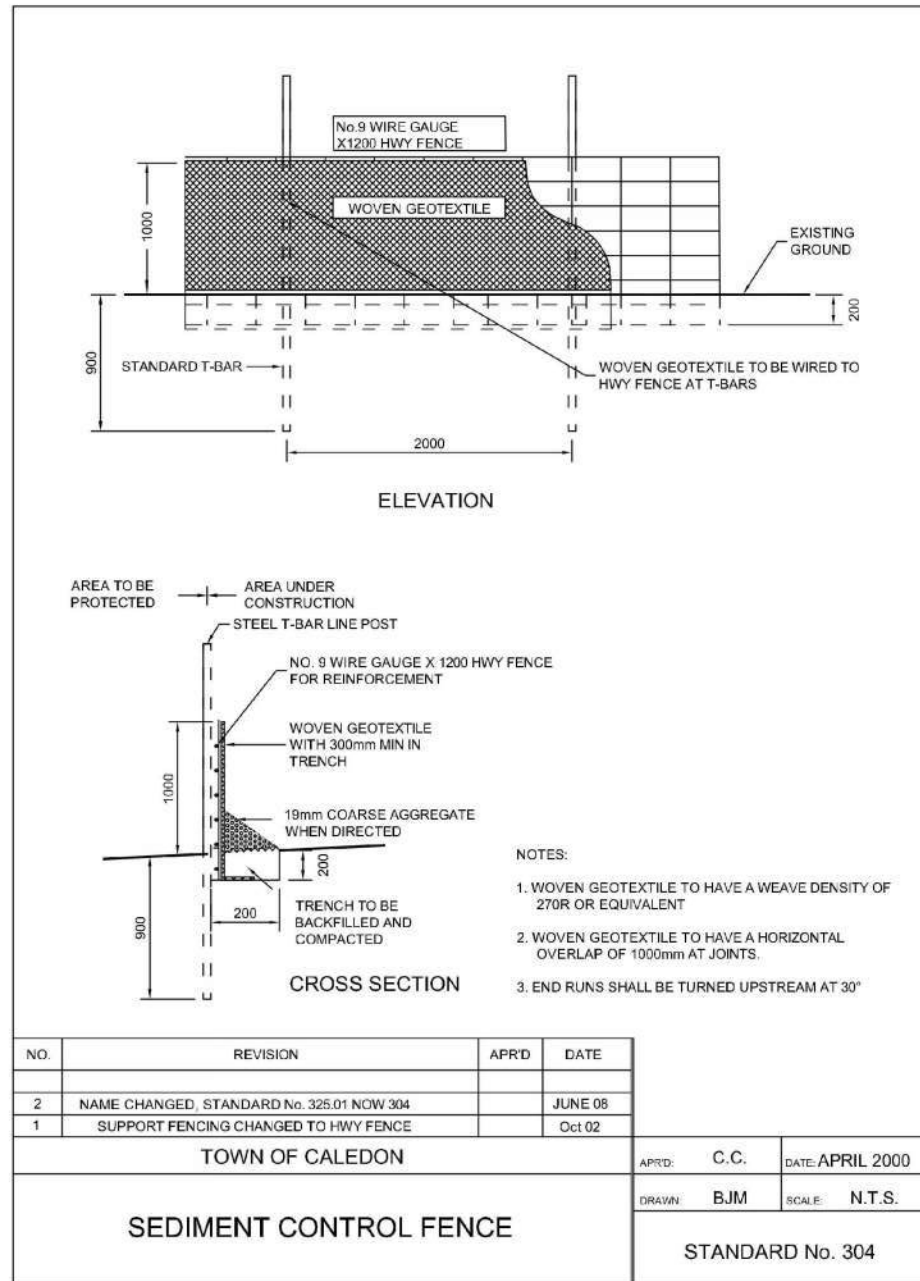
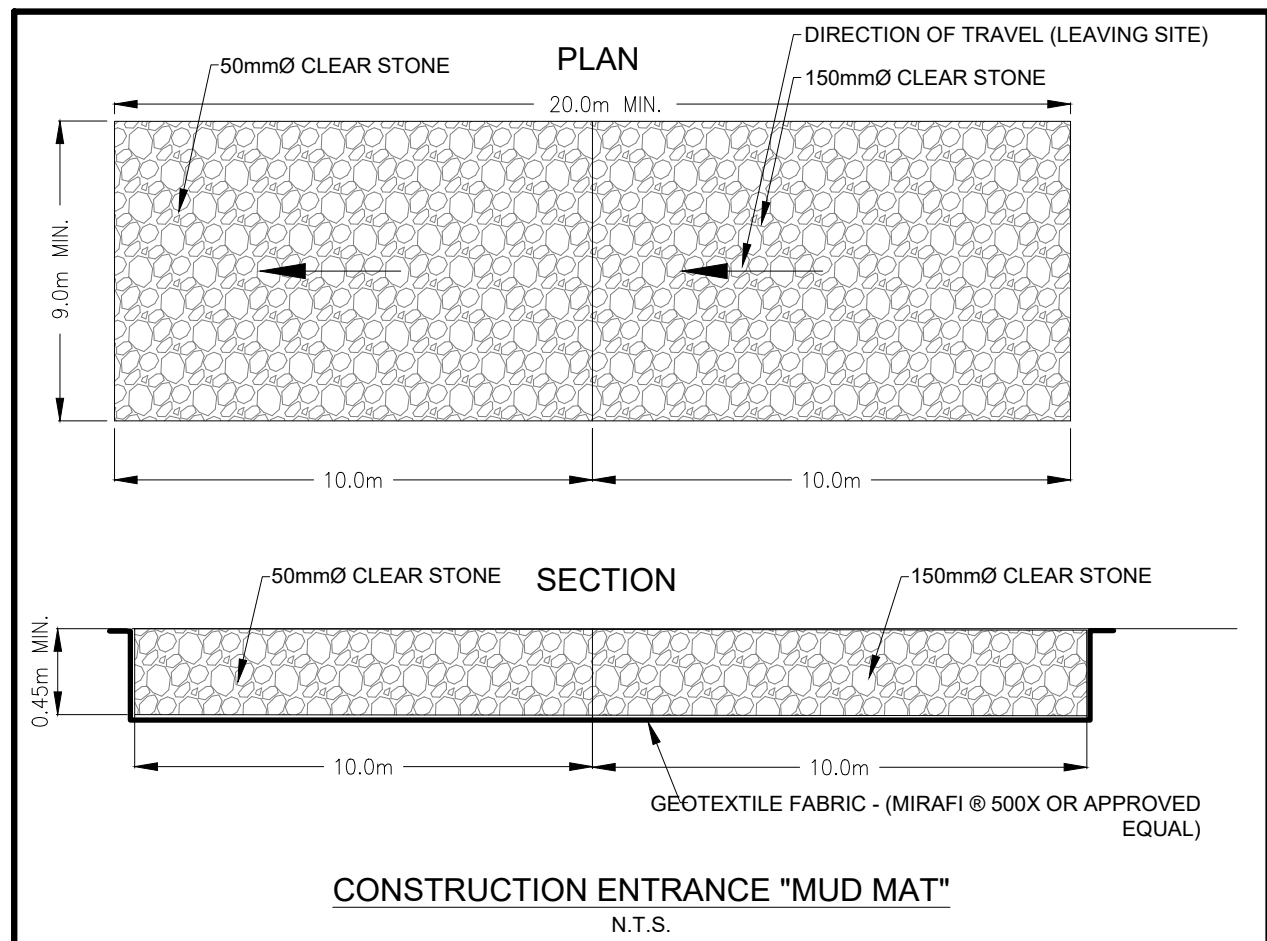
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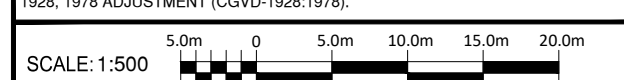
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SITE PLAN INFORMATION	
WARE MALCOLM 250 UNIVERSITY AVE, SUITE 235 TORONTO, ON. M5H 3E5 PHONE: (416) 537-5700 WEBSITE: www.waremalcolm.com	R.F.E. SURVEYING LTD. ONTARIO LAND SURVEYORS 643 CHURCHILL ROAD, SUITE 7 WOODBRIDGE, ON. L4L 4A3 PHONE: (416) 835-5000 WEBSITE: www.rfe.ca

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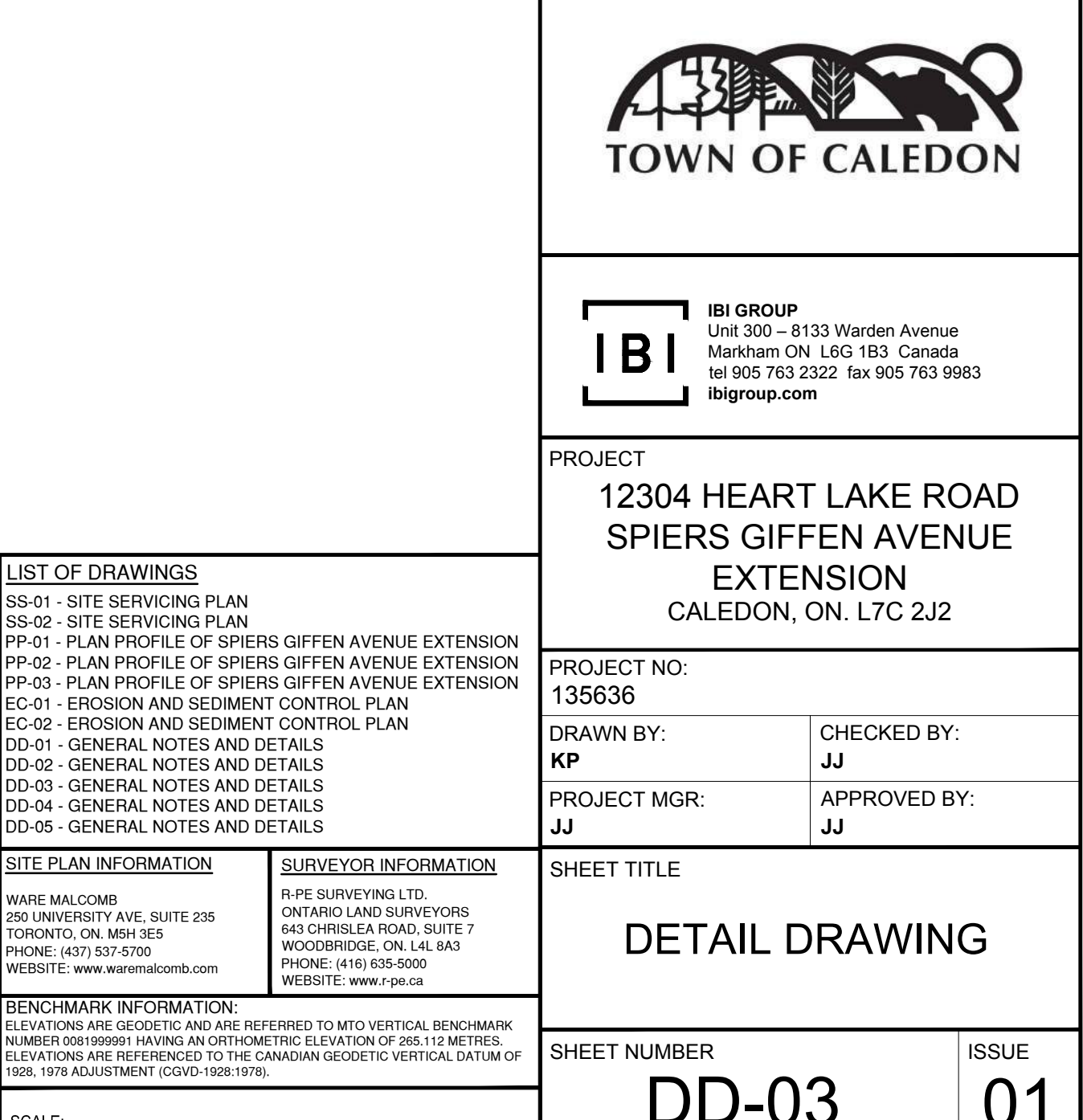
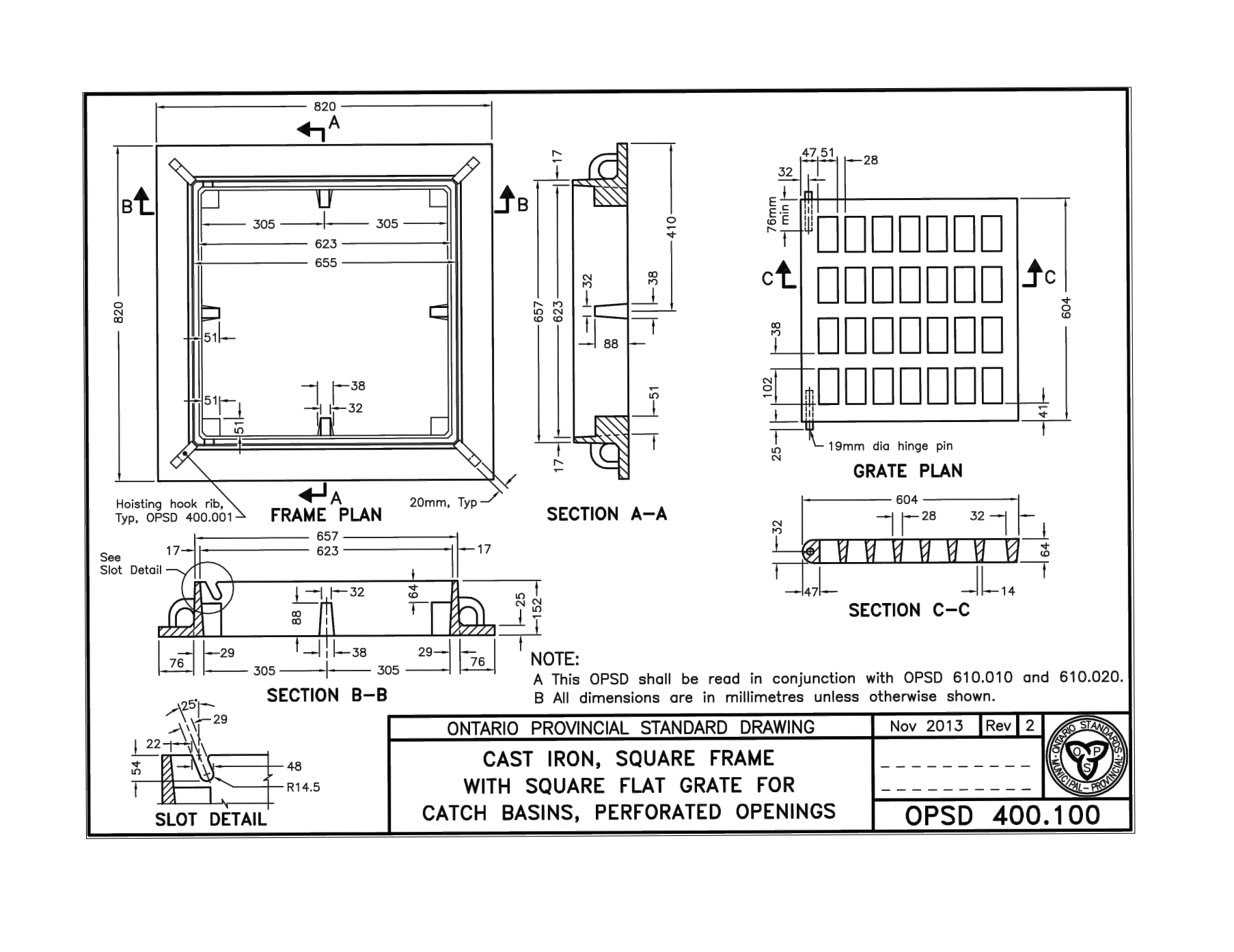
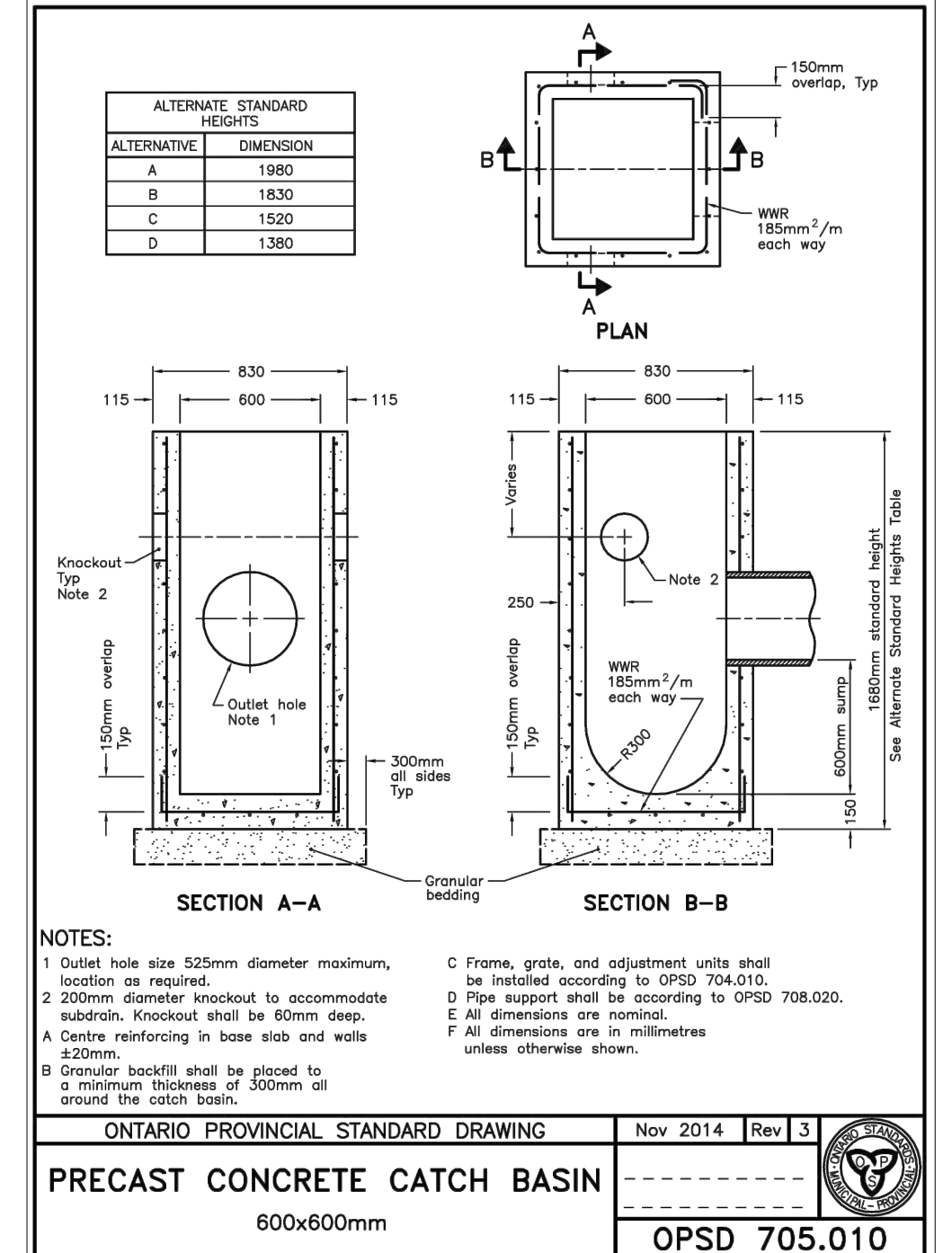
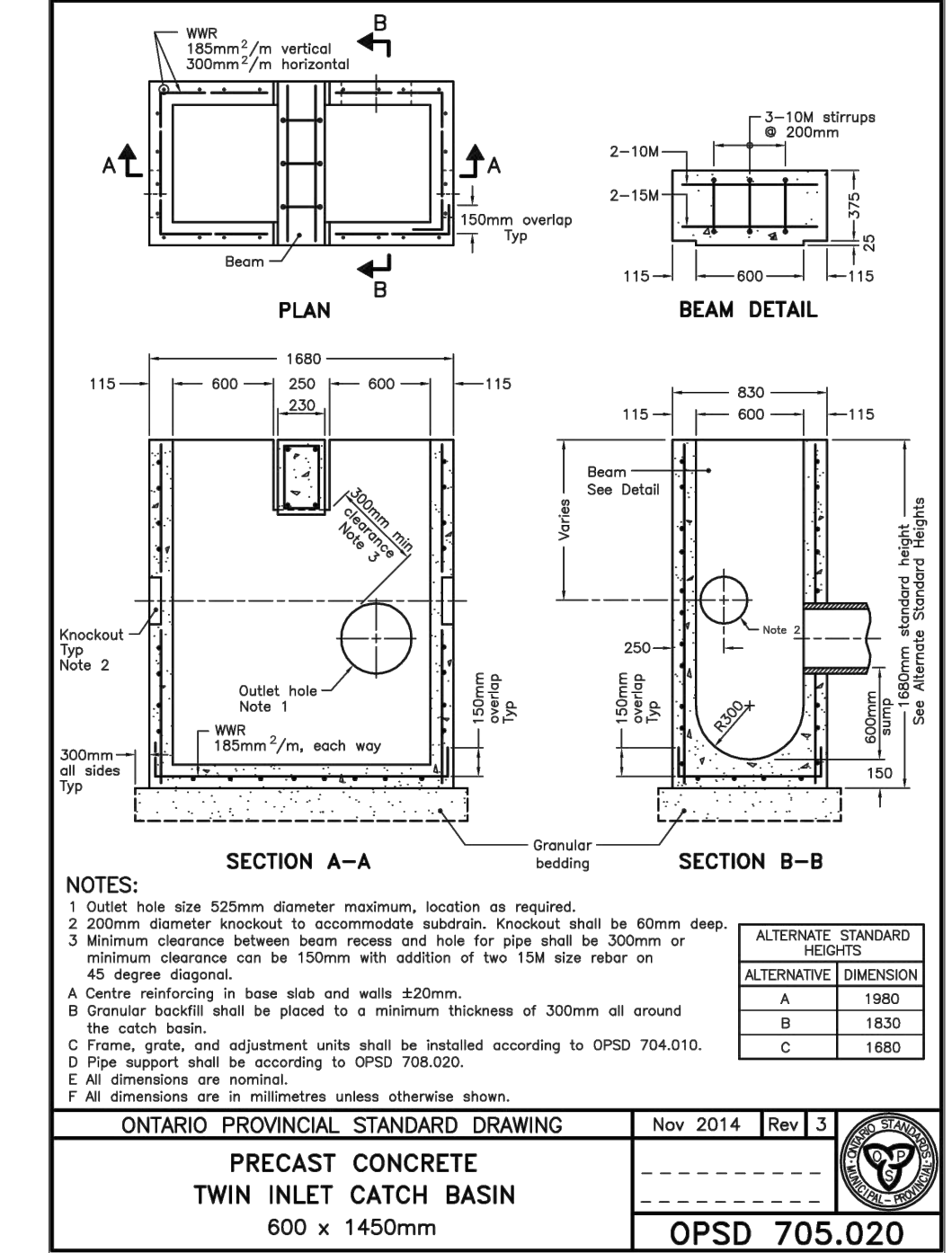
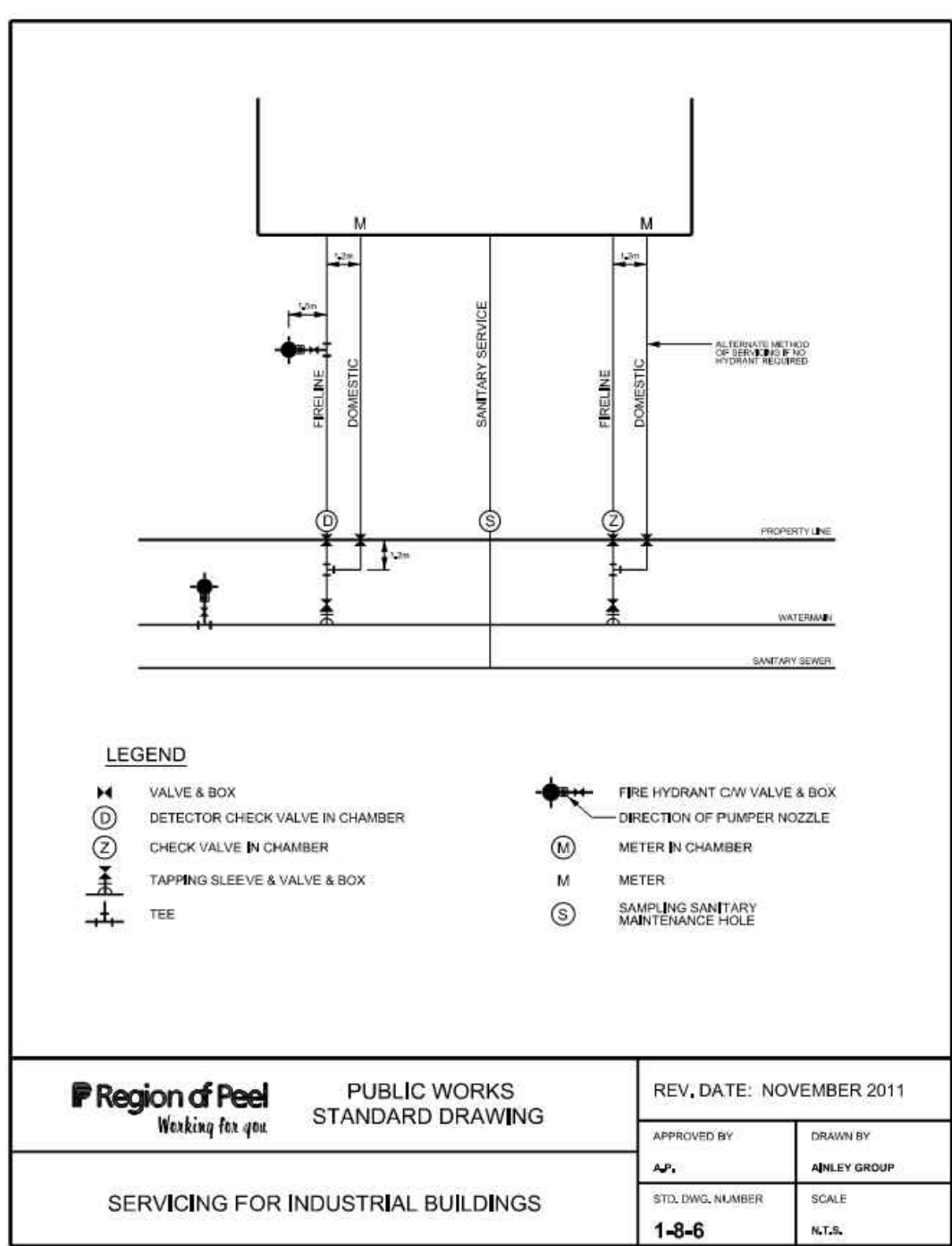
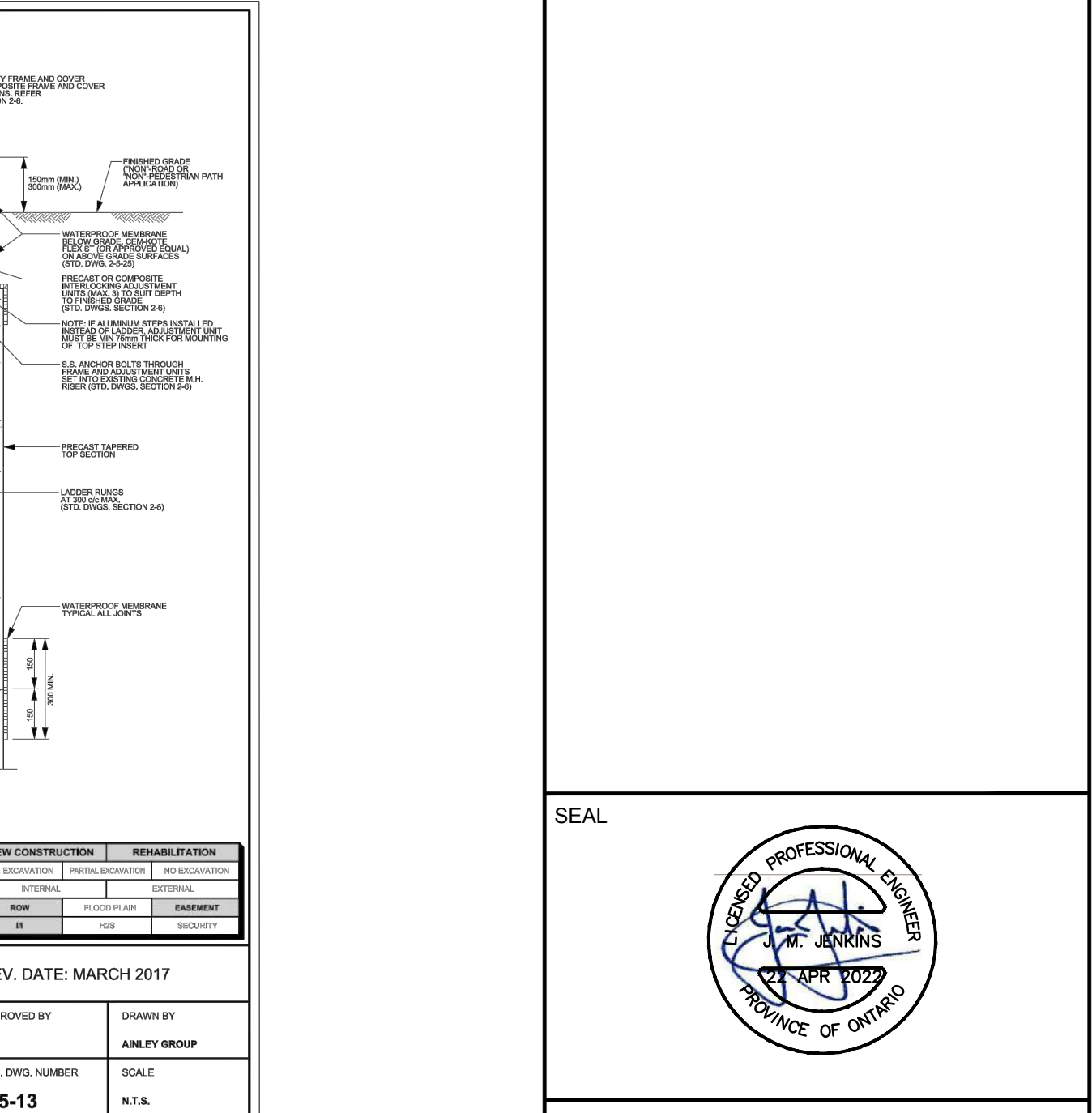
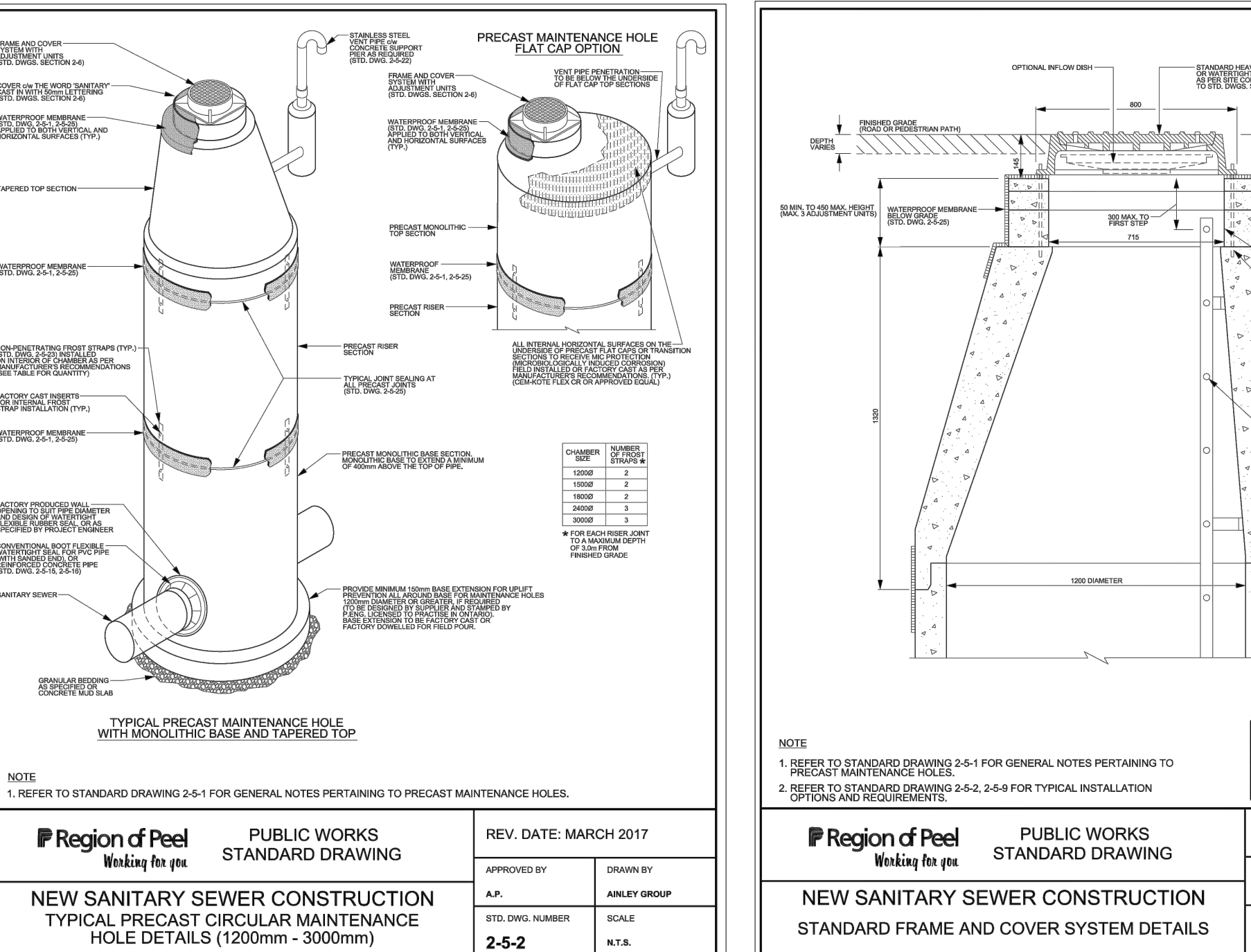
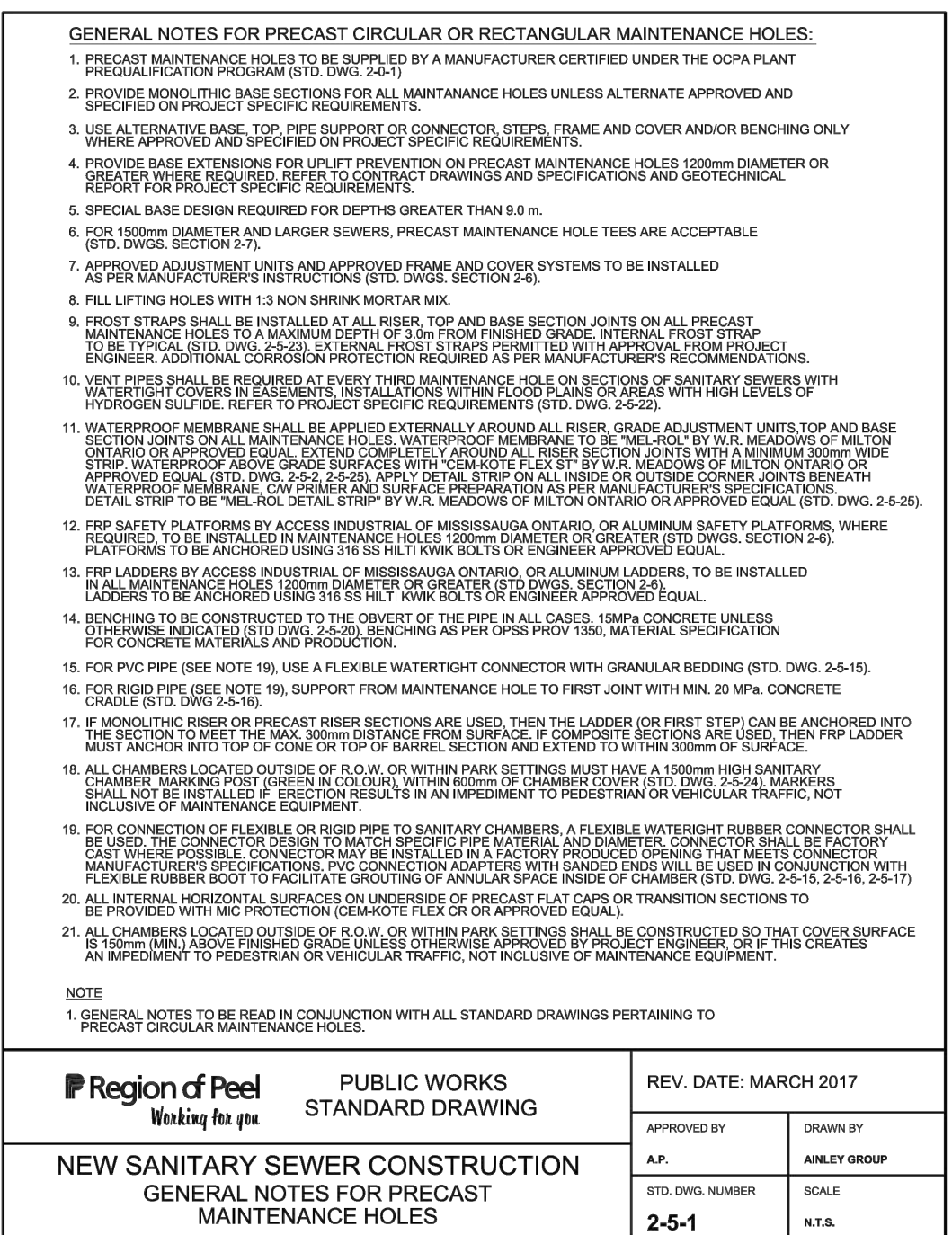
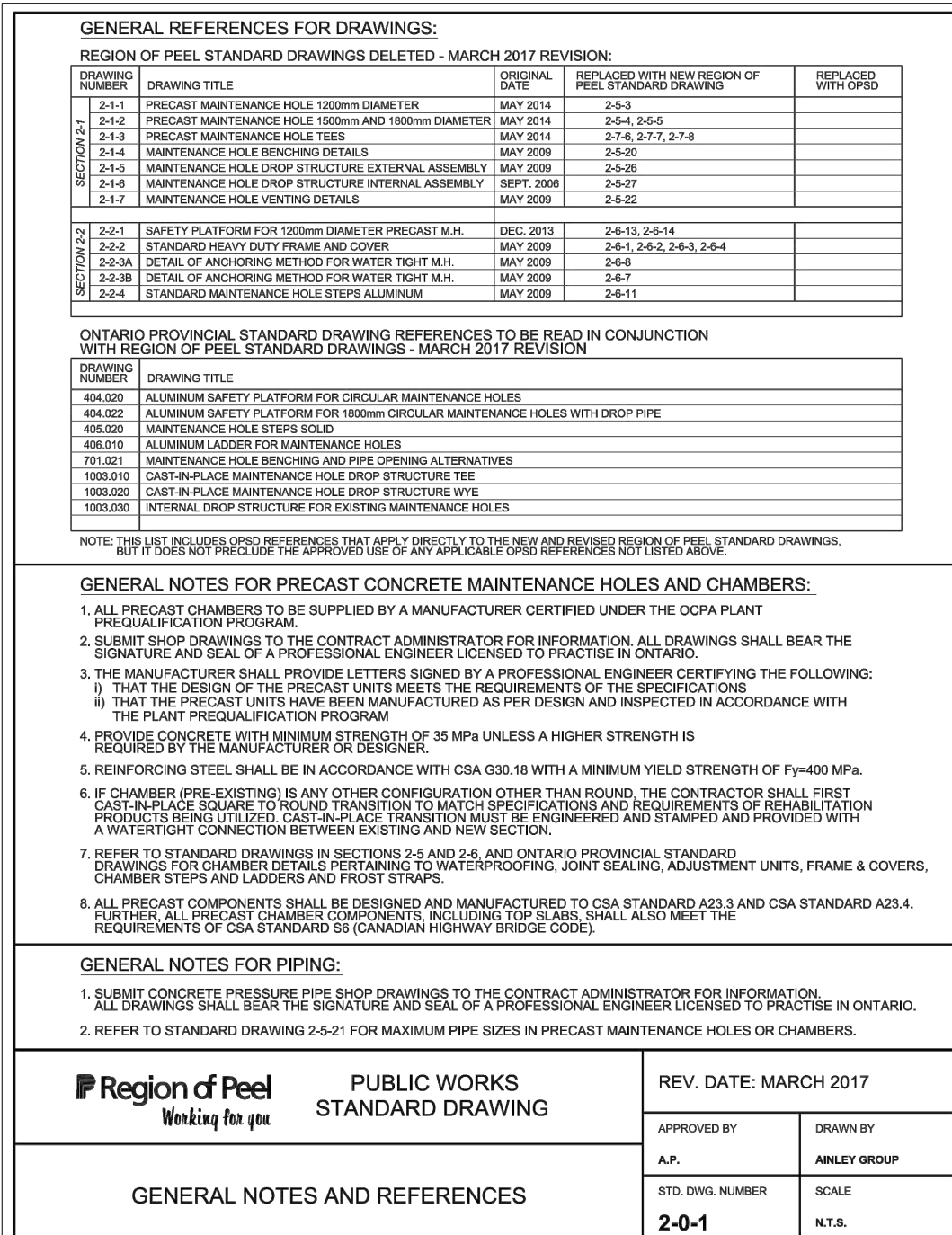
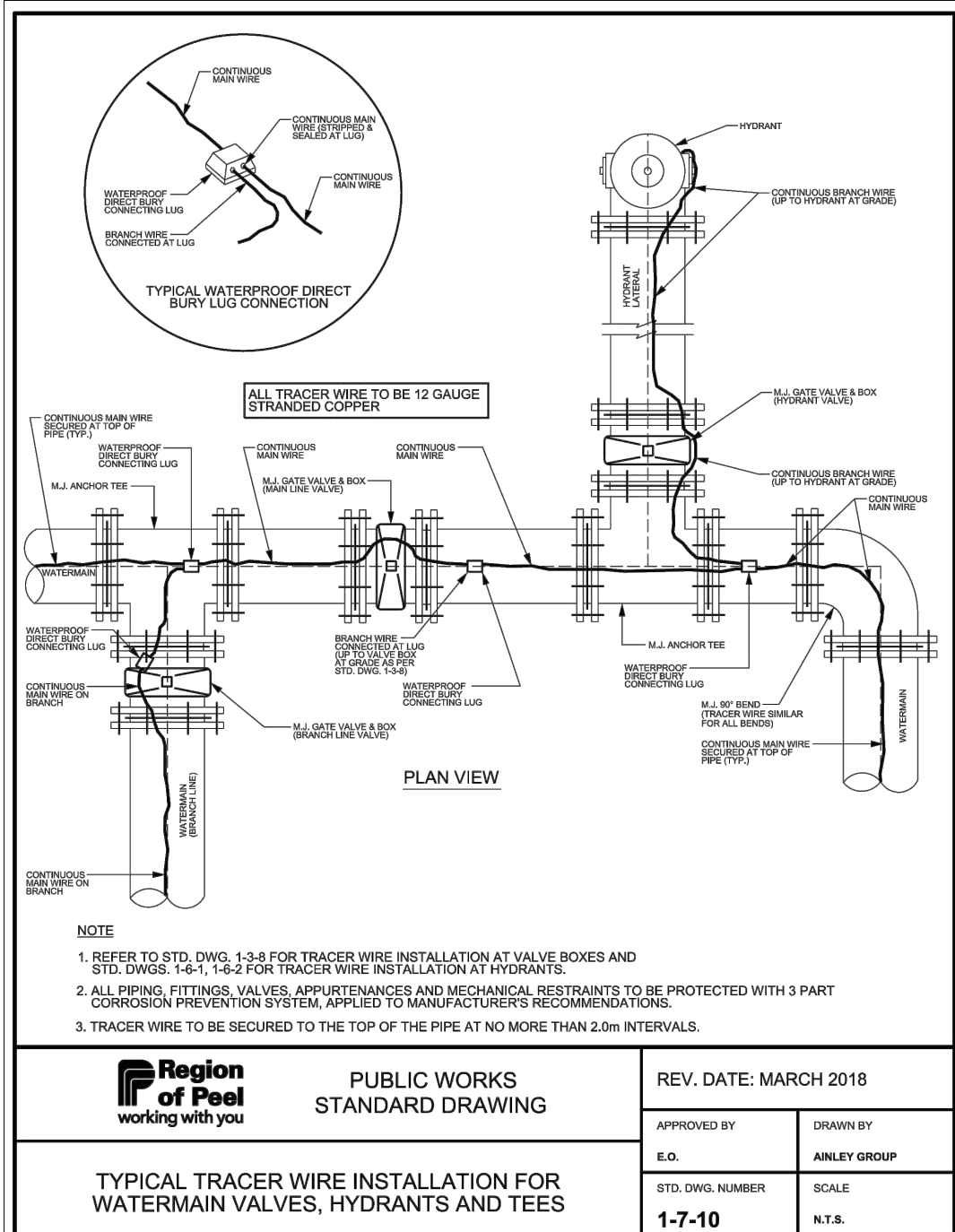
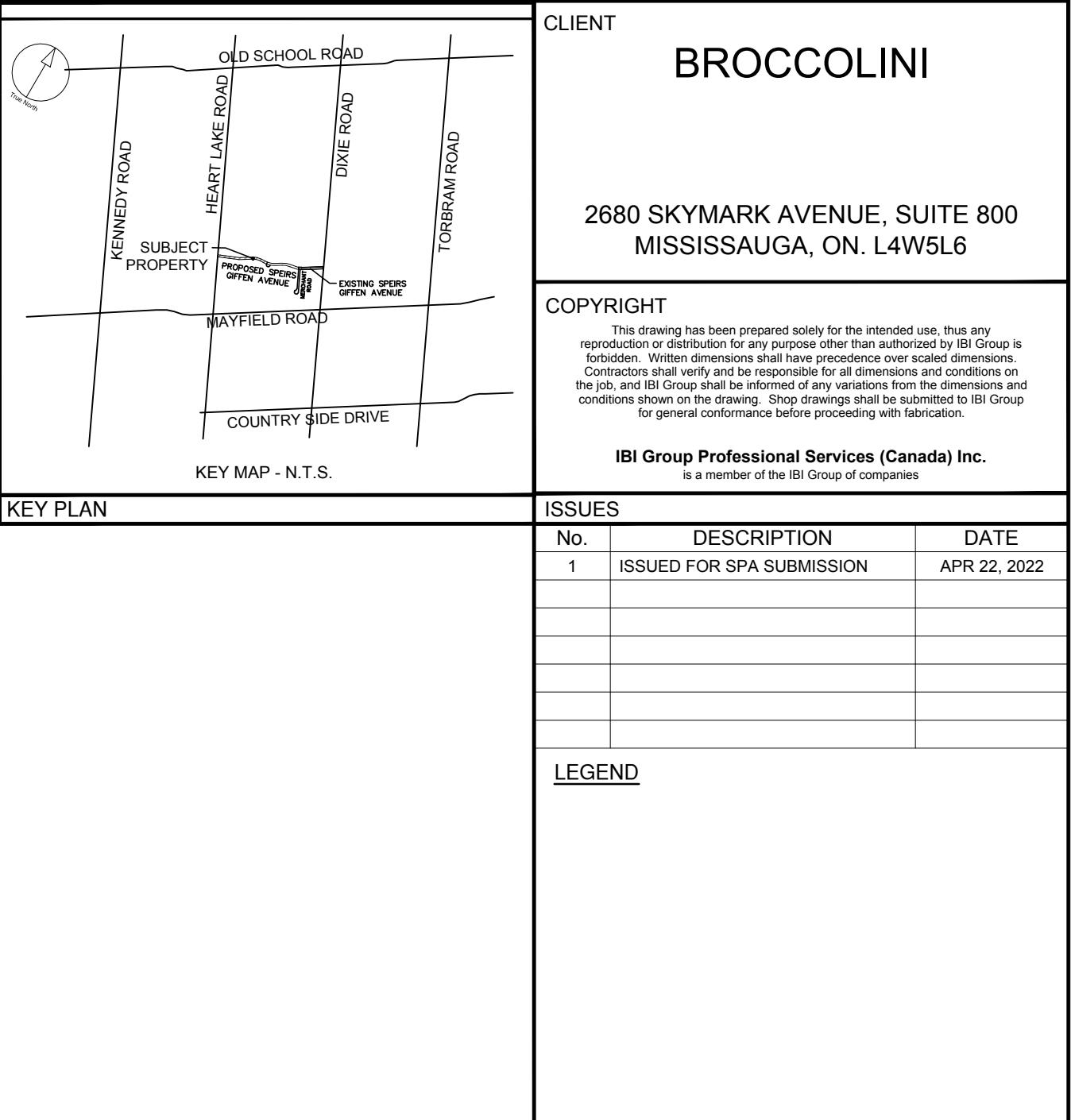
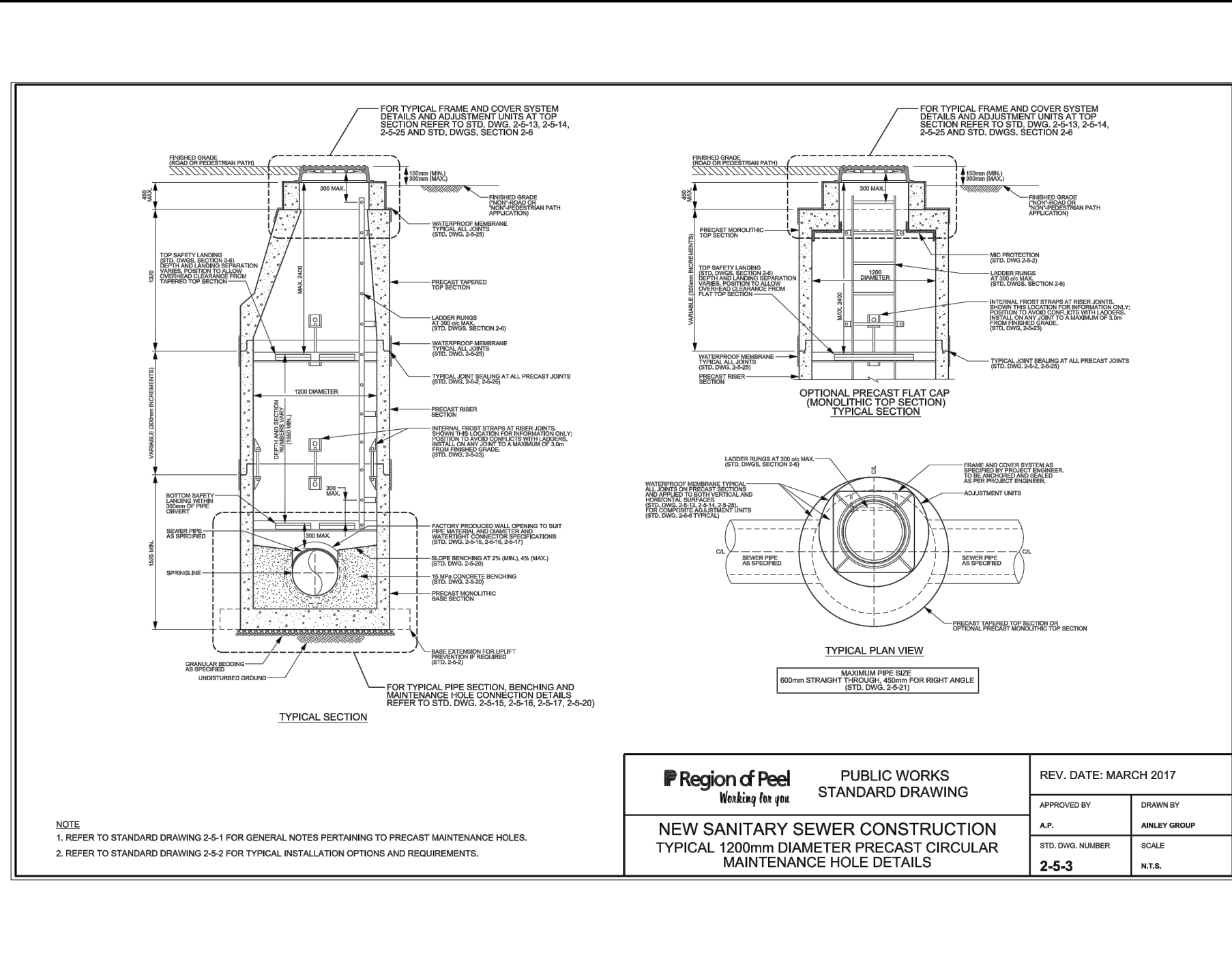
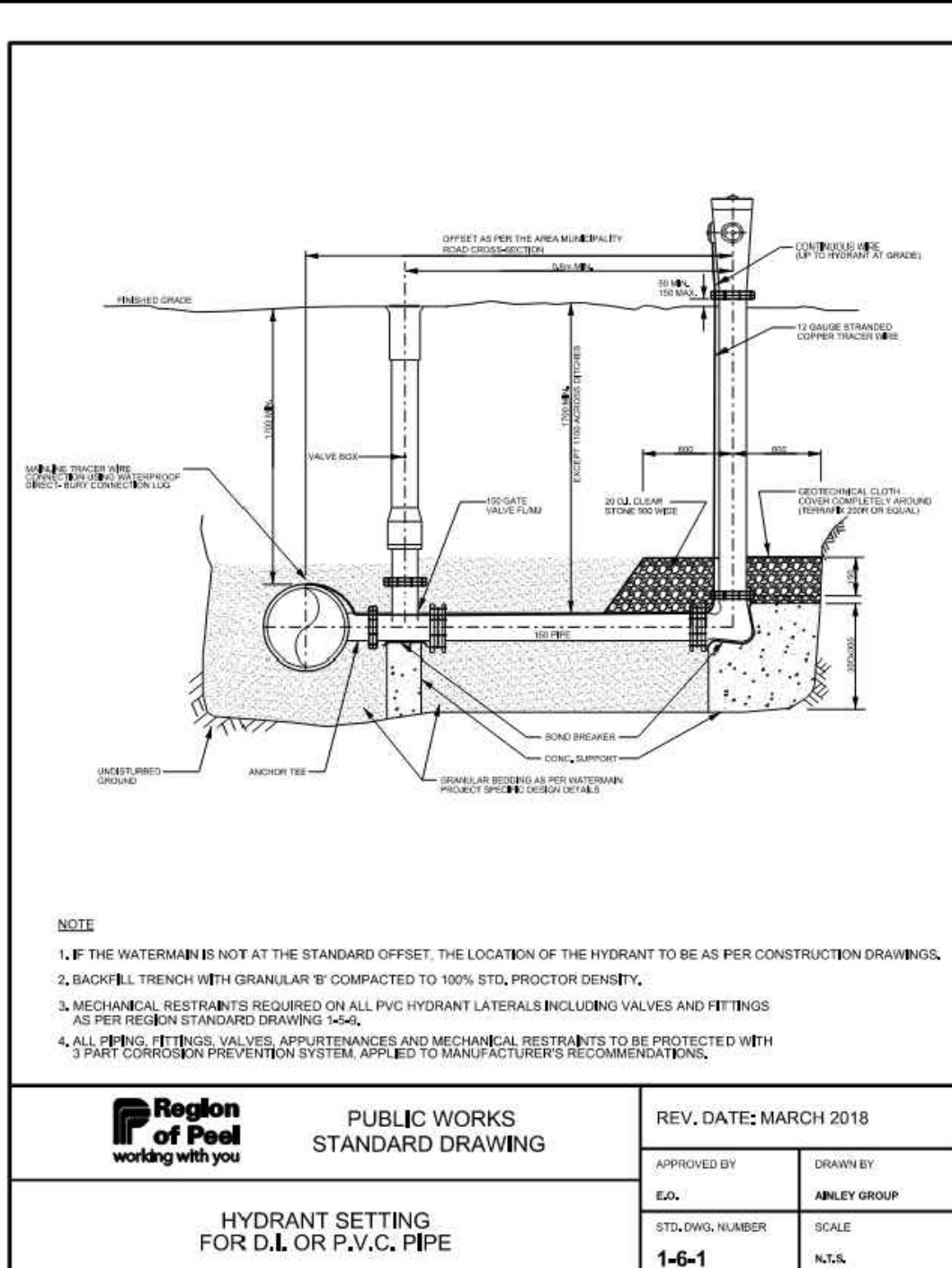
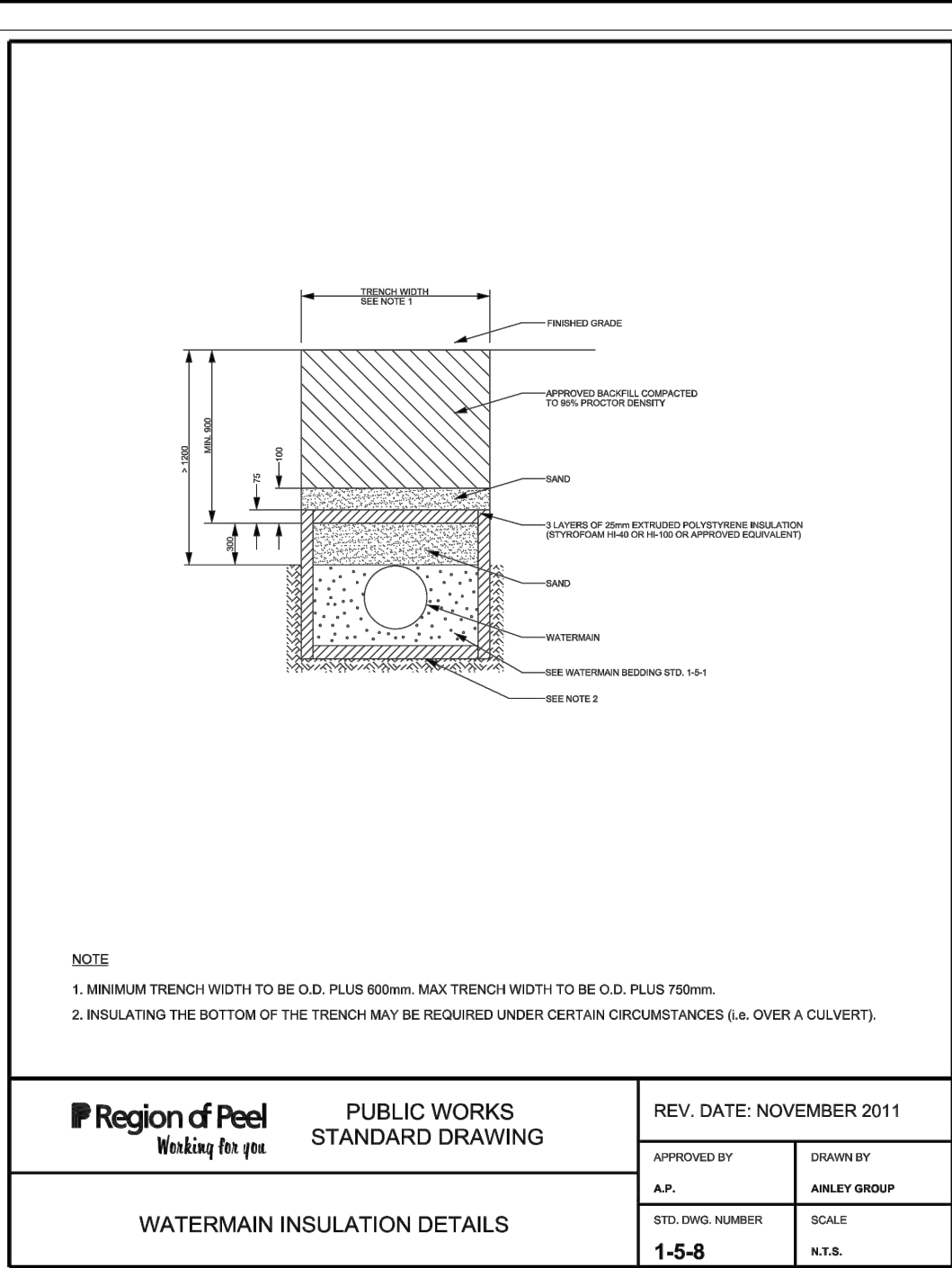
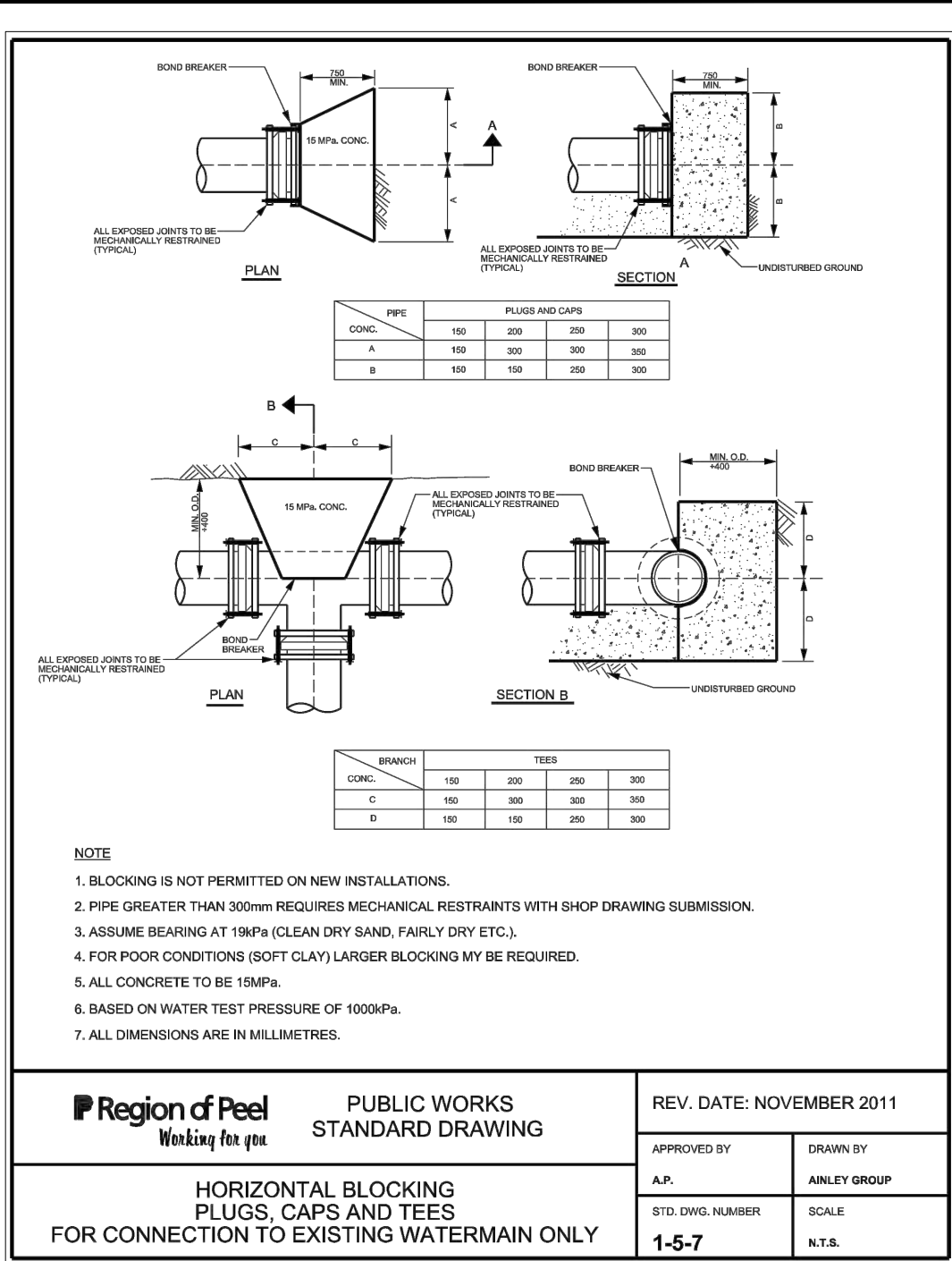
PROJECT
**12304 HEART LAKE ROAD
SPIERS GIFFEN AVENUE
EXTENSION
CALEDON, ON. L7C 2J2**

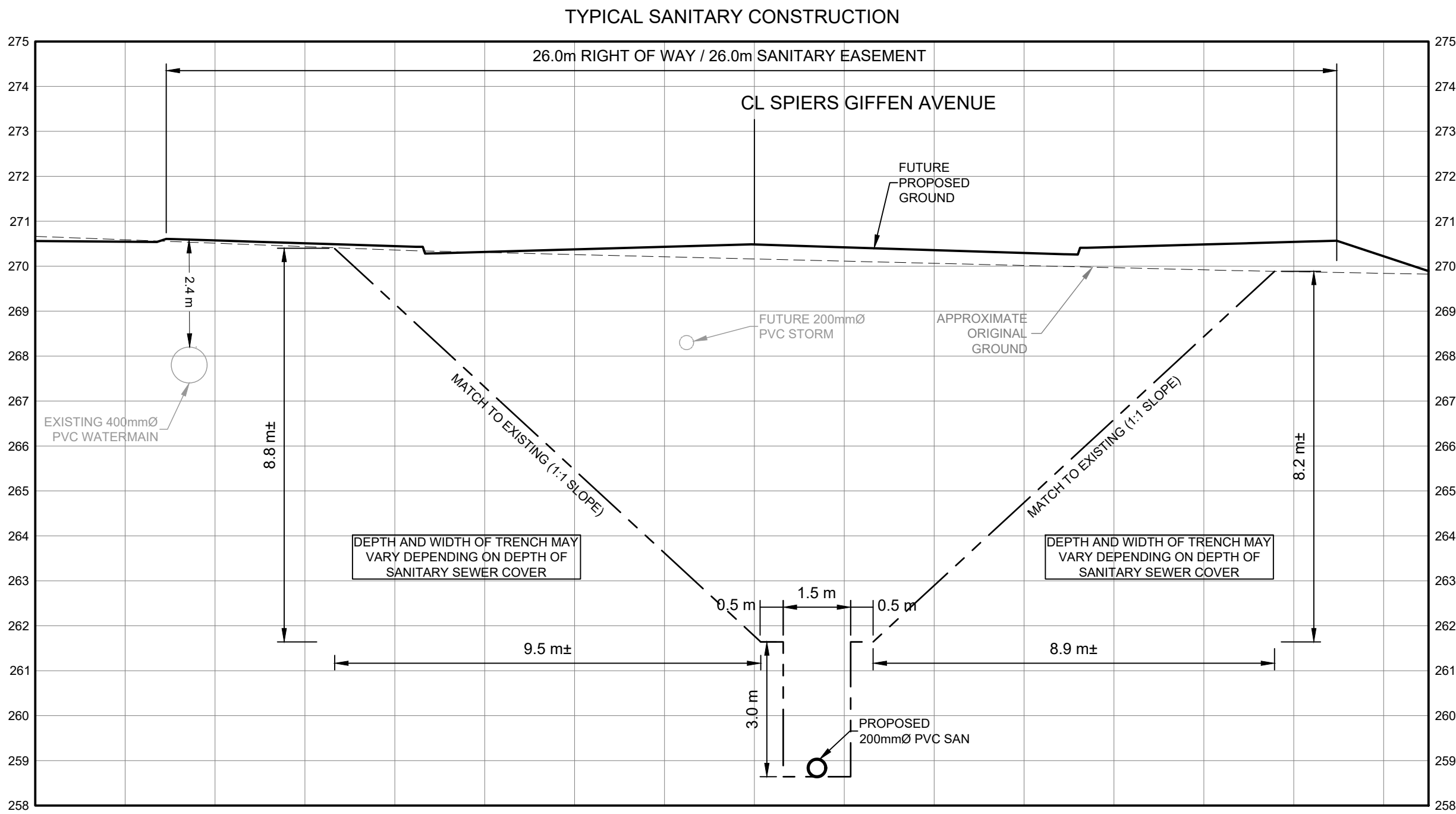
PROJECT NO:
135636

DRAWN BY: KP	CHECKED BY: JJ
PROJECT MGR: JJ	APPROVED BY: JJ

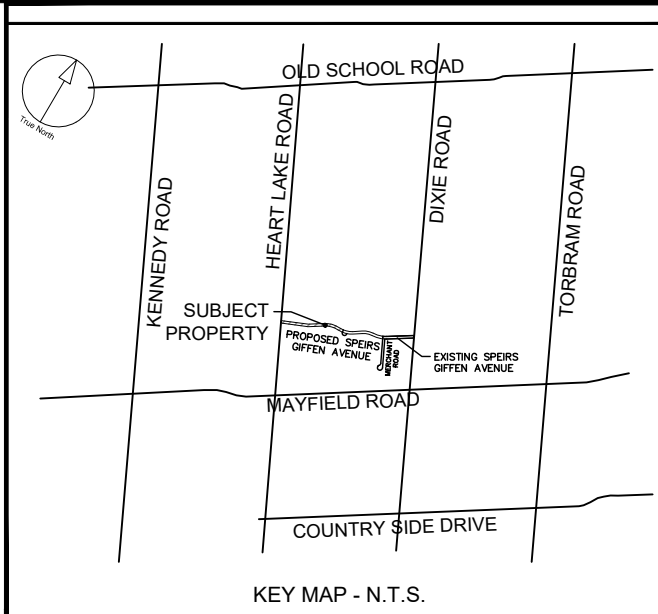
SHEET TITLE
**EROSION AND SEDIMENT
CONTROL PLAN**

SHEET NUMBER EC-02	ISSUE 01
------------------------------	--------------------





DISTANCE (m)
SCALE 1:100



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BROCCOLINI

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KEY PLAN

ISSUES		
No.	DESCRIPTION	DATE
1	ISSUED FOR SPA SUBMISSION	APR 22, 2022

LEGEND

SEAL



IBI GROUP
Unit 300 – 8133 Warden Avenue
Markham ON L6G 1B3 Canada
tel 905 783 2322 fax 905 783 9983
ibigroup.com

PROJECT

**12304 HEART LAKE ROAD
SPIERS GIFFEN AVENUE
EXTENSION
CALEDON, ON. L7C 2J2**

PROJECT NO:
135636

DRAWN BY: KP	CHECKED BY: JJ
PROJECT MGR: JJ	APPROVED BY: JJ

SHEET TITLE

DETAIL DRAWING

SHEET NUMBER	ISSUE
DD-05	01

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PP-03 - PLAN PROFILE OF SPIERS GIFFEN AVENUE EXTENSION
EC-01 - EROSION AND SEDIMENT CONTROL PLAN
EC-02 - EROSION AND SEDIMENT CONTROL PLAN
DD-01 - GENERAL NOTES AND DETAILS
DD-02 - GENERAL NOTES AND DETAILS
DD-03 - GENERAL NOTES AND DETAILS
DD-04 - GENERAL NOTES AND DETAILS
DD-05 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION

WARE MALCOMB
260 UNIVERSITY AVE, SUITE 235
TORONTO, ON. M9H 3E5
PHONE: (416) 537-5700
WEBSITE: www.waremalcomb.com

SURVEYOR INFORMATION

RIFE SURVEYING LTD.
ONTARIO LAND SURVEYORS
643 CHRISLEA ROAD, SUITE 7
WOODBRIDGE, ON. L4L 4A3
PHONE: (416) 835-5000
WEBSITE: www.rife.ca

BENCHMARK INFORMATION:
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO MTO VERTICAL BENCHMARK NUMBER 528199991 HAVING AN ORTHOMETRIC ELEVATION OF 266.112 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1988, 1978 ADJUSTMENT (CGVD-1988/1978).

SCALE: