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ISSUES	No.	DESCRIPTION	DATE
	1	ISSUED FOR SPA	AUG 09, 2022

LEGEND

PROPERTY LINE	X 165.50 EX
EX. ELEVATION	X 149.50
PROP. ELEVATION	FFE=104.50
FINISHED FLOOR ELEVATION	
PROP. OVERLAND FLOW ROUTE	
EX. OVERLAND FLOW ROUTE	
PROP. STORM MAINTENANCE HOLE	
PROPOSED SINGLE CATCH BASIN	
PROPOSED DOUBLE CATCH BASIN	
PROP. SANITARY MAINTENANCE HOLE	
EX. STORM MANHOLE	
EX. SANITARY MANHOLE	
PROP. VALVE AND BOX	
PROP. FIRE HYDRANT AND VALVE	
PROP. SIAMSESE CONNECTION	

SEAL
Toronto ENGINEERING & CONSTRUCTION SERVICES DIVISION
 ACCEPTED TO BE IN ACCORDANCE WITH THE CITY OF TORONTO STANDARDS. THIS ACCEPTANCE IS NOT TO BE CONSTRUED AS VERIFICATION OF ENGINEERING CONTENT.

MANAGER, DEVELOPMENT ENGINEERING DATE

IBI GROUP
 Unit 300 - 8133 Warden Avenue
 Markham ON L6G 1B3 Canada
 Tel: 905.763.2322 Fax: 905.763.9983
 ibigroup.com

PROJECT
3400 DUFFERIN STREET & 8 JANE OSLER BOULEVARD
 TORONTO, ONTARIO, M6A 2V1

PROJECT NO: 139570
DRAWN BY: SB
CHECKED BY: JJ
PROJECT MGR: JJ
APPROVED BY: JJ

SHEET TITLE
SITE GRADING PLAN

SHEET NUMBER **SG-02** **ISSUE** **01**

LIST OF DRAWINGS

SG-01 - SITE GRADING PLAN	XS-01 - CROSS SECTIONS
SG-02 - SITE GRADING PLAN	XS-02 - CROSS SECTIONS
SS-01 - SITE SERVICES PLAN	XS-03 - CROSS SECTIONS
SS-02 - SITE SERVICES PLAN	EC-01 - EROSION AND SEDIMENT CONTROL PLAN
PUP-01 - PUBLIC UTILITIES PLAN	EC-02 - EROSION AND SEDIMENT CONTROL PLAN
PUP-02 - PUBLIC UTILITIES PLAN	GD-01 - GENERAL NOTES AND DETAILS
	GD-02 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION

GRID NO.:	86 CROFTING AVENUE,
	TORONTO, ON CANADA M2J 2Y9
	PHONE: (416) 915-1797

SURVEYOR INFORMATION

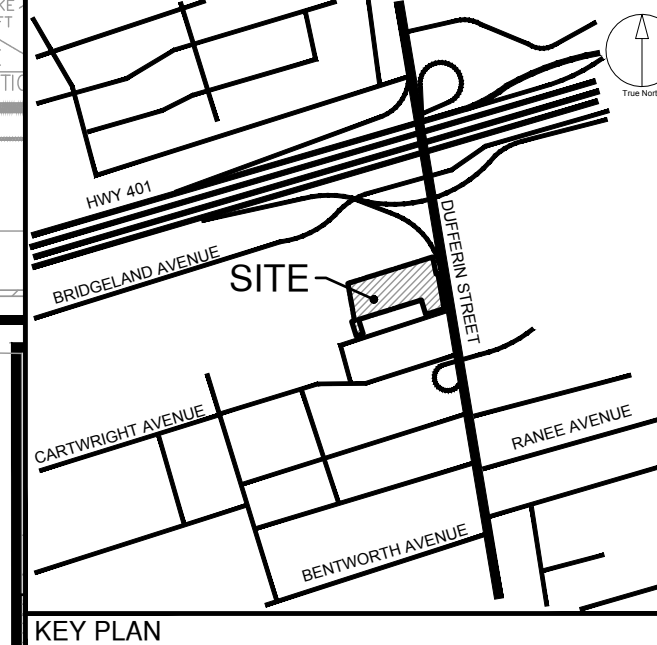
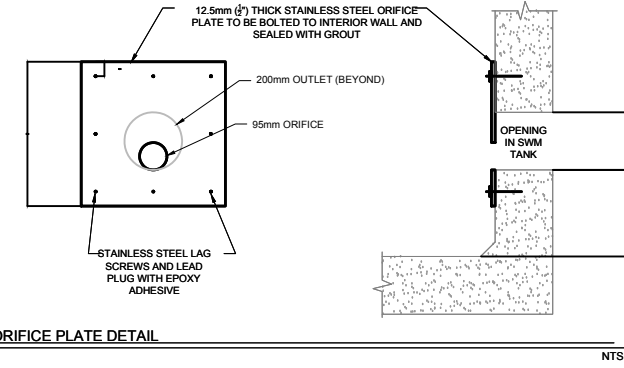
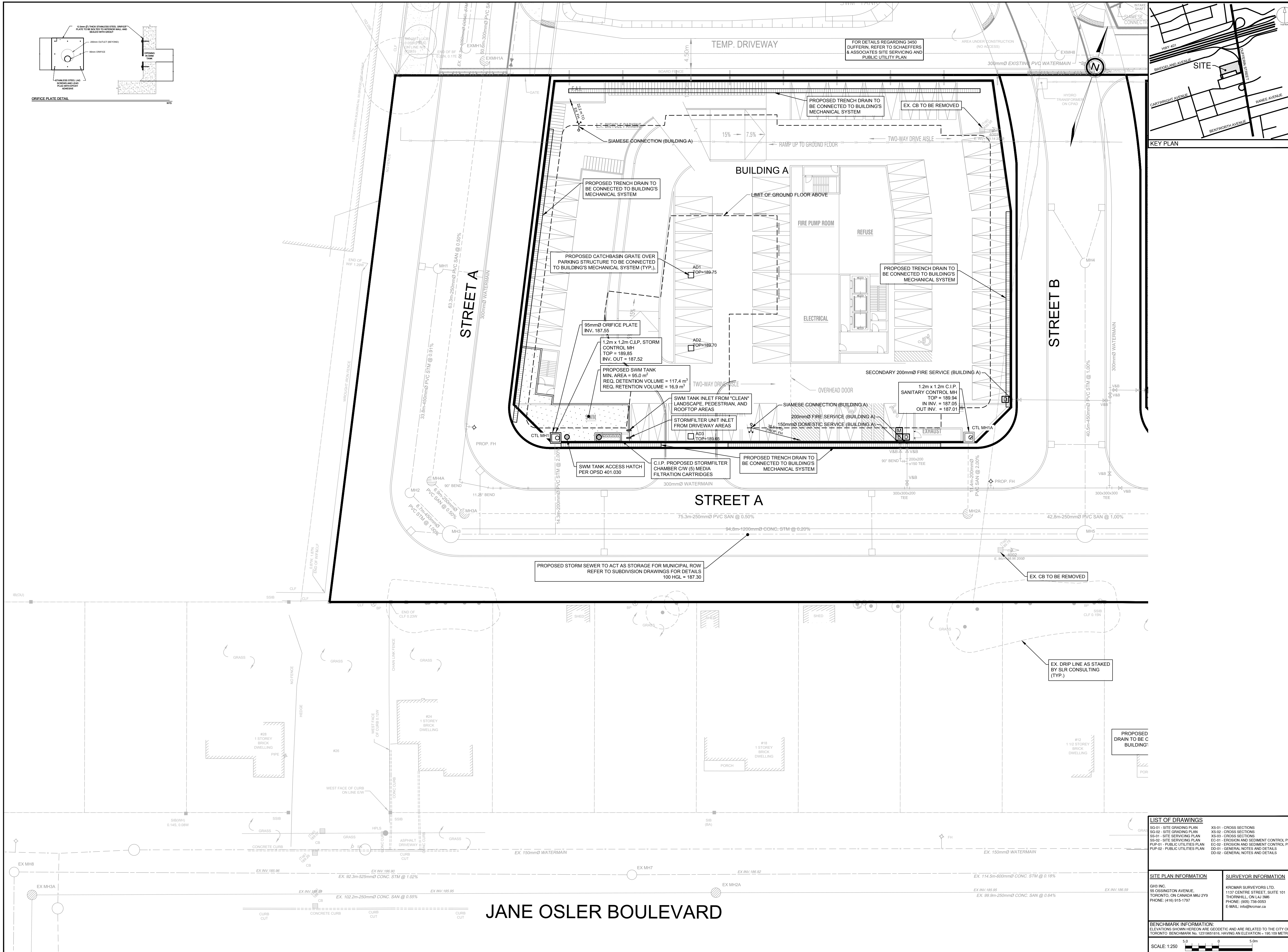
KRCIMAR SURVEYORS LTD.
1107 CENTRE STREET, SUITE 101
THORNHILL, ON L4J 3M5
PHONE: (905) 739-0053
E-MAIL: info@krcimar.ca

BENCHMARK INFORMATION:
 ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO THE CITY OF TORONTO BENCHMARK NO. 1231561816, HAVING AN ELEVATION = 190.109 METRES.

SCALE: 1:250

8/20

File Location: \\1139570_3400Dufferin\7_0_Production\7_0_Production\7_0_SiteGrading\SG-02_SHT-GRAD.dwg Last Saved: August 9, 2022 5:04:02 PM by Shiley Beaudoin



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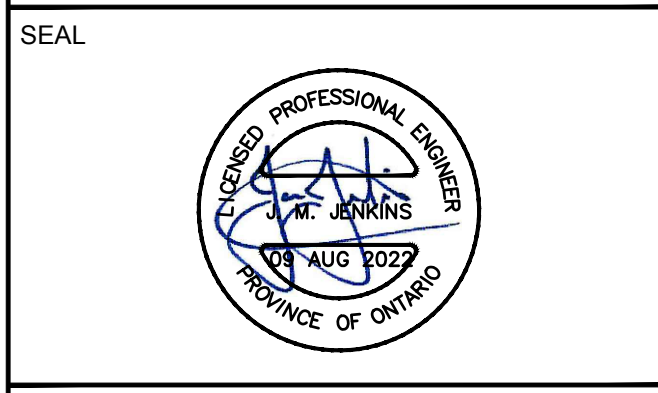
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 is a member of the IBI Group of companies.

ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	AUG 09, 2022

LEGEND

PROPERTY LINE	---
OUTLINE OF GROUND FLOOR	=====
UNDERGROUND PARKING LIMIT	-----
PROPOSED STORM MANHOLE	○
PROPOSED SANITARY MANHOLE	⊙
PROPOSED SINGLE CATCH BASIN	□
PROPOSED DOUBLE CATCH BASIN	⊠
EXISTING STORM MANHOLE	○
EXISTING SANITARY MANHOLE	⊙
EXISTING CATCH BASIN	□
PROPOSED VALVE AND BOX	M V&B
PROPOSED STORM	---
PROPOSED SANITARY	---
PROPOSED WATER	---
EXISTING STORM	---
EXISTING SANITARY	---
EXISTING WATER	---
EXISTING BELL	⊖
EXISTING GAS	---
PROPOSED DOMESTIC WATER METER	⊞
PROPOSED BACKFLOW PREVENTER	⊞
PROPOSED DOUBLE CHECK DETECTOR ASSEMBLY	⊞



Toronto ENGINEERING & CONSTRUCTION SERVICES DIVISION

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MANAGER, DEVELOPMENT ENGINEERING DATE

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 Unit 300 - 8133 Warden Avenue
 Markham ON L6G 1B3 Canada
 Tel: 905.763.2322 Fax: 905.763.9983
 ibigroup.com

PROJECT
3400 DUFFERIN STREET &
8 JANE OSLER BOULEVARD
 TORONTO, ONTARIO, M6A 2V1

PROJECT NO:
139570

DRAWN BY: SB
CHECKED BY: JJ

PROJECT MGR: JJ
APPROVED BY: JJ

SHEET TITLE
SITE SERVICING PLAN

SHEET NUMBER
SS-01

ISSUE
01

LIST OF DRAWINGS

SD-01 - SITE GRADING PLAN	XS-01 - CROSS SECTIONS
SD-02 - SITE GRADING PLAN	XS-02 - CROSS SECTIONS
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PUP-02 - PUBLIC UTILITIES PLAN	GD-01 - GENERAL NOTES AND DETAILS
	GD-02 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION

GRID ING.
 56 CROSSLING AVENUE,
 TORONTO, ON CANADA M2J 2Y9
 PHONE: (416) 915-1797

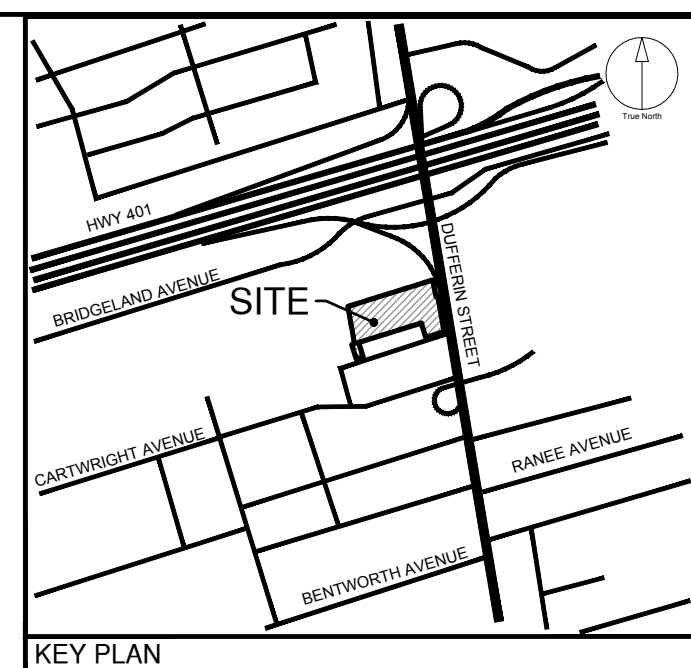
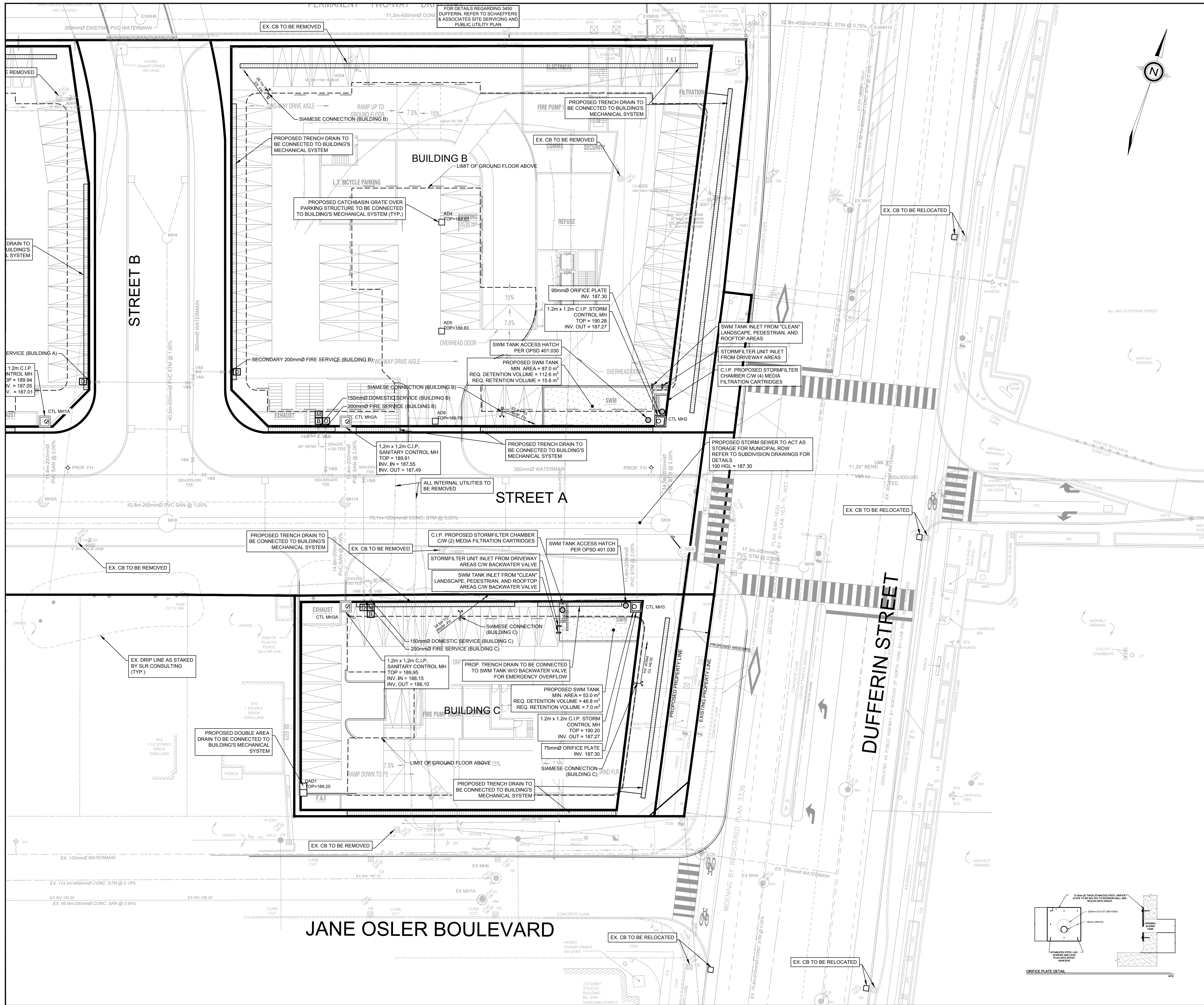
SURVEYOR INFORMATION

KRICMAR SURVEYORS LTD.
 1107 CENTRE STREET, SUITE 101
 THORNHILL, ON L4J 3M6
 PHONE: (905) 739-0053
 E-MAIL: info@kricmar.ca

BENCHMARK INFORMATION:
 ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO THE CITY OF TORONTO BENCHMARK NO. 12315661816, HAVING AN ELEVATION = 190.109 METRES.

SCALE: 1:250

File Location: \\1138570_3400Dufferin_03_Design\04_Civil\Sheets\SPA\139570-SHT-SERV.dwg Plotted: Tuesday, August 9, 2022 5:03:09 PM by Shirley Beaudoin Last Saved: August 9, 2022, by Shirley Beaudoin



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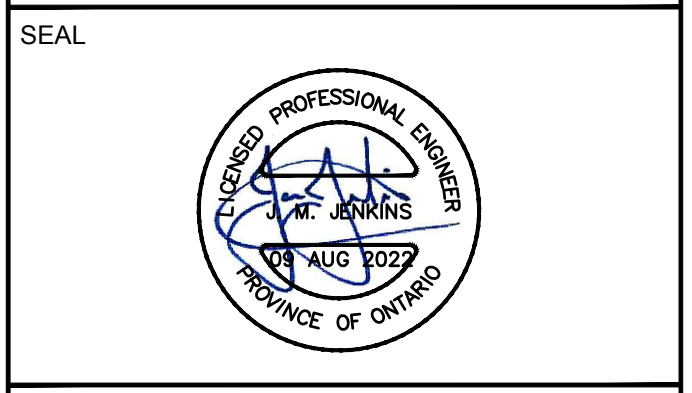
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ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	AUG 09, 2022

LEGEND

PROPERTY LINE	---
OUTLINE OF GROUND FLOOR	---
UNDERGROUND PARKING LIMIT	---
PROPOSED STORM MANHOLE	○
PROPOSED SANITARY MANHOLE	○
PROPOSED SINGLE CATCH BASIN	□
PROPOSED DOUBLE CATCH BASIN	□
EXISTING STORM MANHOLE	○
EXISTING SANITARY MANHOLE	○
EXISTING CATCH BASIN	□
PROPOSED VALVE AND BOX	M V&B
PROPOSED STORM	---
PROPOSED SANITARY	---
PROPOSED WATER	---
EXISTING STORM	---
EXISTING SANITARY	---
EXISTING WATER	---
EXISTING BELL	○
EXISTING GAS	---
PROPOSED DOMESTIC WATER METER	M
PROPOSED BACKFLOW PREVENTER	B
PROPOSED DOUBLE CHECK DETECTOR ASSEMBLY	D



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 Markham ON L6G 1B3 Canada
 Tel: 905.763.2322 Fax: 905.763.9983
 ibigroup.com

PROJECT
3400 DUFFERIN STREET &
8 JANE OSLER BOULEVARD
 TORONTO, ONTARIO, M6A 2V1

PROJECT NO:
139570

DRAWN BY: SB **CHECKED BY:** JJ

PROJECT MGR: JJ **APPROVED BY:** JJ

SHEET TITLE
SITE SERVICING PLAN

SHEET NUMBER **SS-02** **ISSUE** **01**

LIST OF DRAWINGS

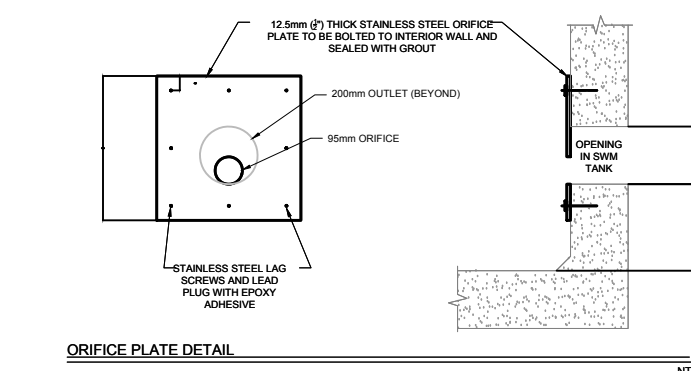
SD-01 - SITE GRADING PLAN	XS-01 - CROSS SECTIONS
SD-02 - SITE GRADING PLAN	XS-02 - CROSS SECTIONS
SS-01 - SITE SERVICING PLAN	XS-03 - CROSS SECTIONS
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PUP-01 - PUBLIC UTILITIES PLAN	EC-02 - EROSION AND SEDIMENT CONTROL PLAN
PUP-02 - PUBLIC UTILITIES PLAN	DD-01 - GENERAL NOTES AND DETAILS
	DD-02 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION
 GRP INC.
 56 CROFTING AVENUE,
 TORONTO, ON CANADA M6J 2Y9
 PHONE: (416) 915-1797

SURVEYOR INFORMATION
 KRCIMAR SURVEYORS LTD.
 1107 CENTRE STREET, SUITE 101
 THORNHILL, ON L4J 3M6
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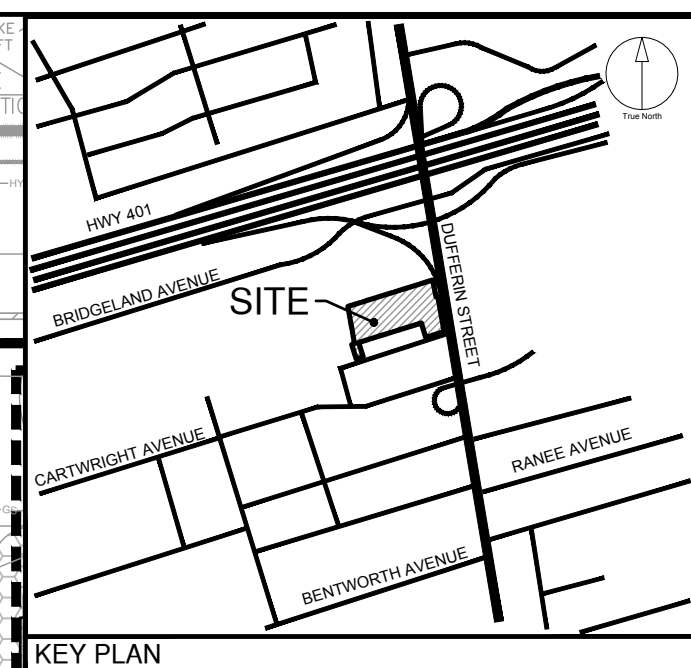


File Location: \\113870_3400Dufferin_0_Production\7_03_Design\01_Civil\Sheets\SPA\139570_SHT-SERV.dwg Plotted: Tuesday, August 9, 2022 5:03:27 PM by Shirley Beaudoin

SUBSURFACE UTILITY ENGINEERING WAS PERFORMED BY URBANK ON JULY 19, 2022

NOTE: COULD NOT DESIGNATE GAS SERVICE NORTH OF THIS POINT

FOR DETAILS REGARDING 3450 DUFFERIN, REFER TO SCHAEFFERS & ASSOCIATES SITE SERVICING AND PUBLIC UTILITY PLAN

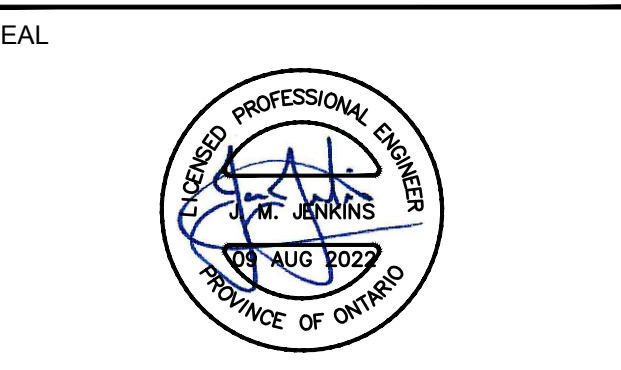


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ISSUES		
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LEGEND	
PROPERTY LINE	---
OUTLINE OF GROUND FLOOR	====
UNDERGROUND PARKING LIMIT	----
PROPOSED STORM MANHOLE	○
PROPOSED SANITARY MANHOLE	●
PROPOSED SINGLE CATCH BASIN	□
PROPOSED DOUBLE CATCH BASIN	▣
EXISTING STORM MANHOLE	○
EXISTING SANITARY MANHOLE	●
EXISTING CATCH BASIN	□
PROPOSED VALVE AND BOX	M V&B
PROPOSED STORM	---
PROPOSED SANITARY	---
PROPOSED WATER	---
EXISTING STORM	---
EXISTING SANITARY	---
EXISTING WATER	---
EXISTING BELL	○
EXISTING GAS	---
PROPOSED DOMESTIC WATER METER	M
PROPOSED BACKFLOW PREVENTER	B
PROPOSED DOUBLE CHECK DETECTOR ASSEMBLY	D
EXISTING HYDRO	---
EXISTING ROGERS	---
EXISTING STREET LIGHT CABLE	---
EXISTING ROGERS CABLE	---
EXISTING BELL LIGHT CABLE	---
EXISTING WATER	---



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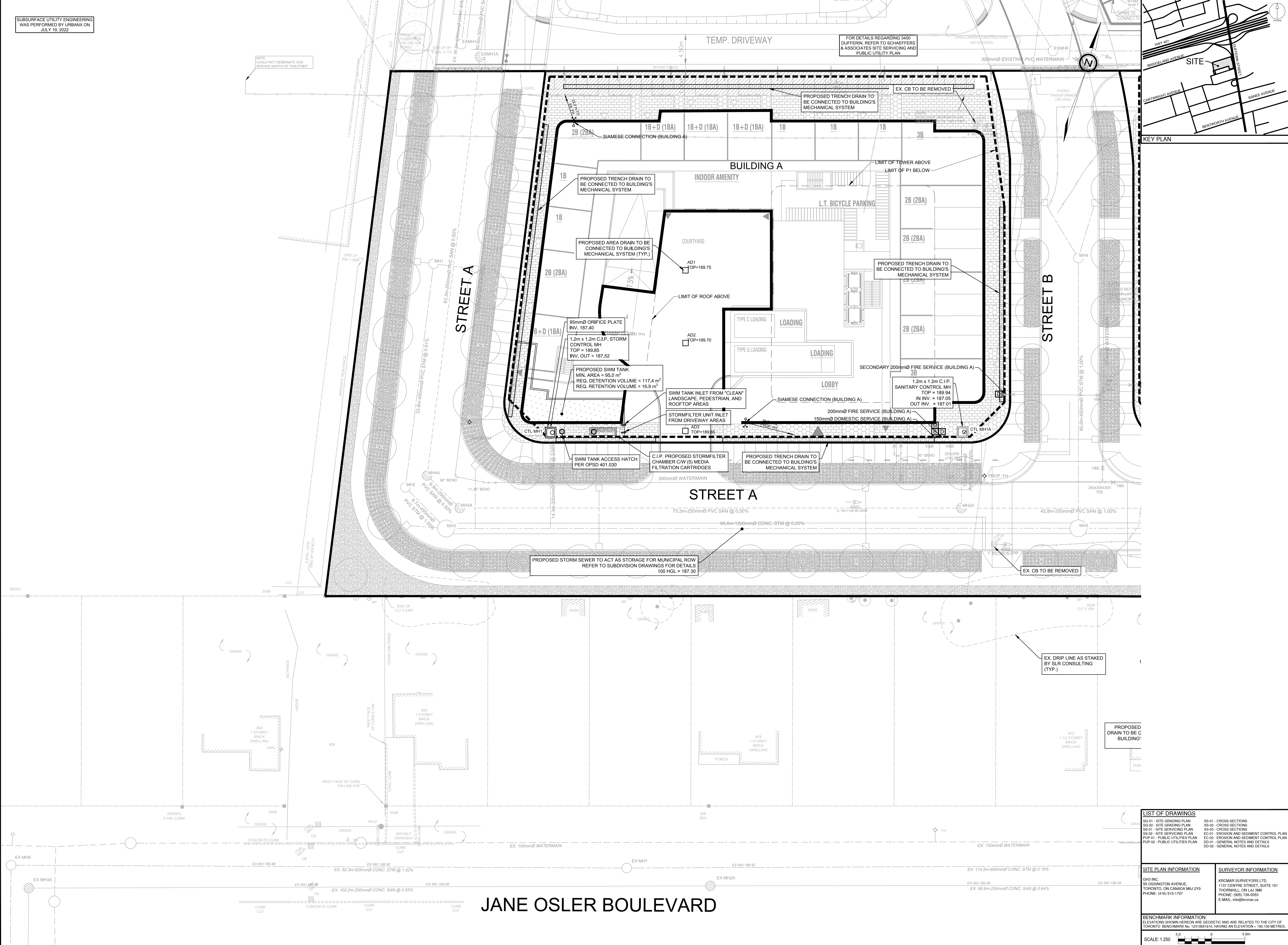
MANAGER, DEVELOPMENT ENGINEERING DATE
IBI GROUP
Unit 300 - 8133 Warden Avenue
Markham ON L6G 1B3 Canada
Tel: 905.763.2322 Fax: 905.763.9983
ibigroup.com

PROJECT
**3400 DUFFERIN STREET &
8 JANE OSLER BOULEVARD**
TORONTO, ONTARIO, M6A 2V1

PROJECT NO:
139570
DRAWN BY: **SB** CHECKED BY: **JJ**
PROJECT MGR: **JJ** APPROVED BY: **JJ**

SHEET TITLE
**PUBLIC UTILITIES
PLAN**

SHEET NUMBER **PUP-01** ISSUE **01**



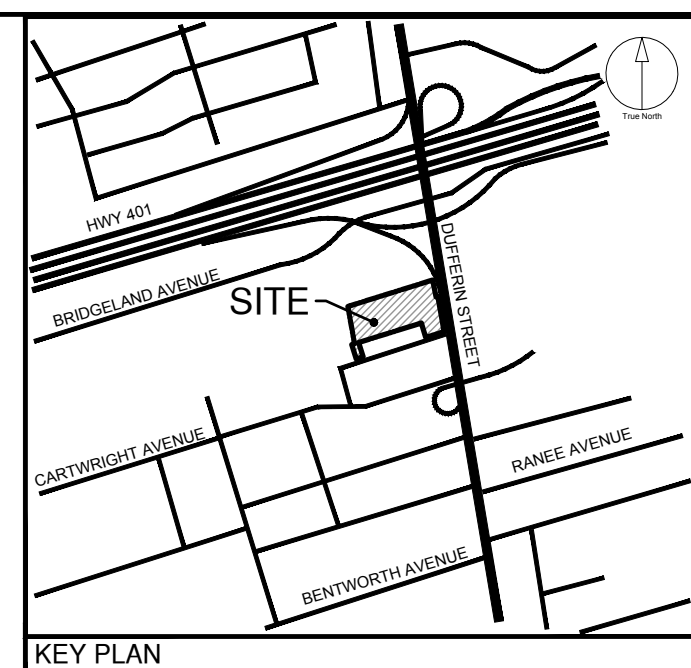
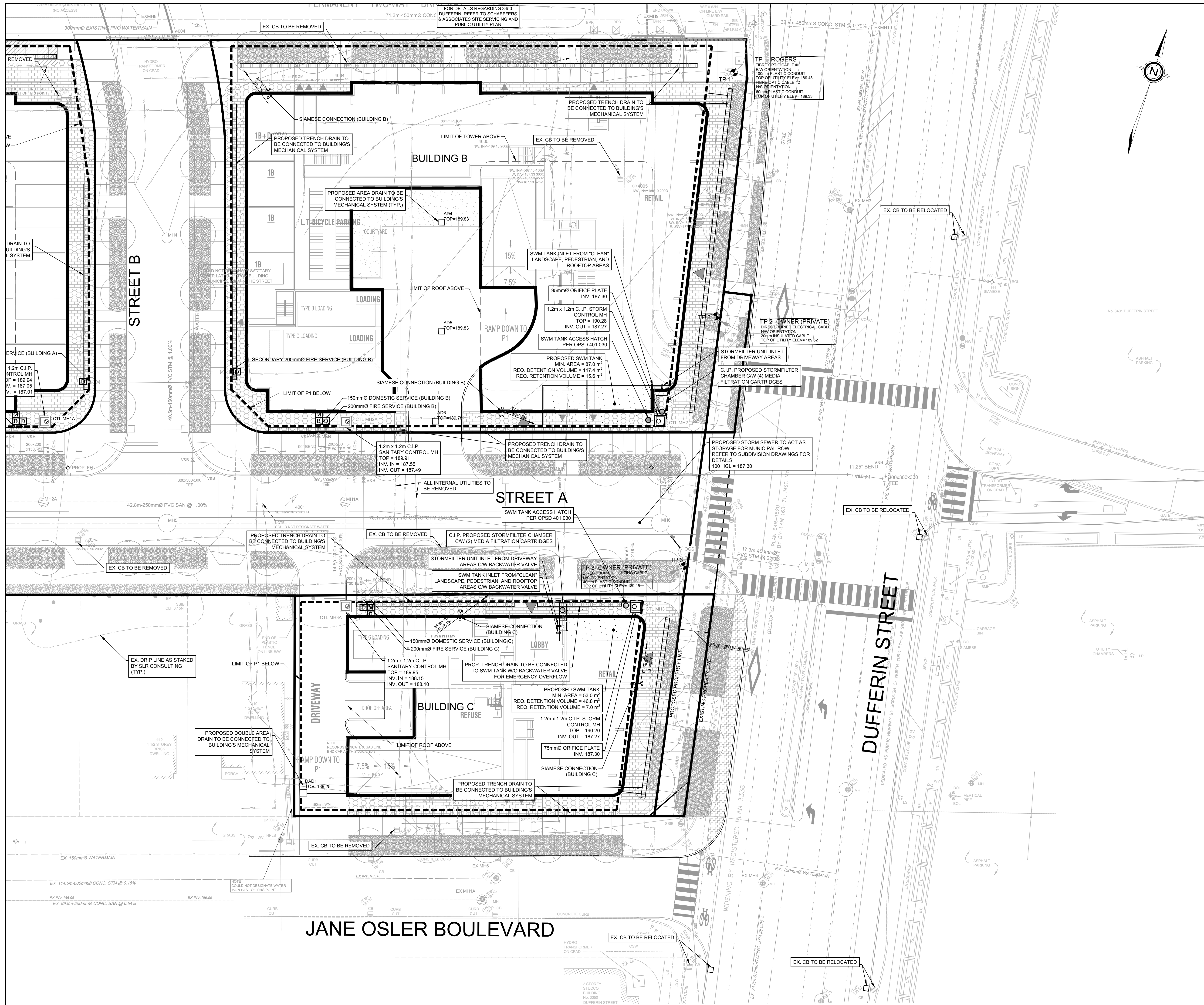
JANE OSLER BOULEVARD

LIST OF DRAWINGS	
SD-01 - SITE GRADING PLAN	XS-01 - CROSS SECTIONS
SD-02 - SITE GRADING PLAN	XS-02 - CROSS SECTIONS
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PUP-01 - PUBLIC UTILITIES PLAN	EC-02 - EROSION AND SEDIMENT CONTROL PLAN
PUP-02 - PUBLIC UTILITIES PLAN	DD-01 - GENERAL NOTES AND DETAILS
	DD-02 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION	SURVEYOR INFORMATION
GRIP INC. 86 CROSSLING AVENUE, TORONTO, ON CANADA M2J 2Y9 PHONE: (416) 915-1797	KRICMAR SURVEYORS LTD. 1107 CENTRE STREET, SUITE 101 THORNHILL, ON L4J 3M6 PHONE: (905) 739-0053 E-MAIL: rfc@kricmar.ca

BENCHMARK INFORMATION:
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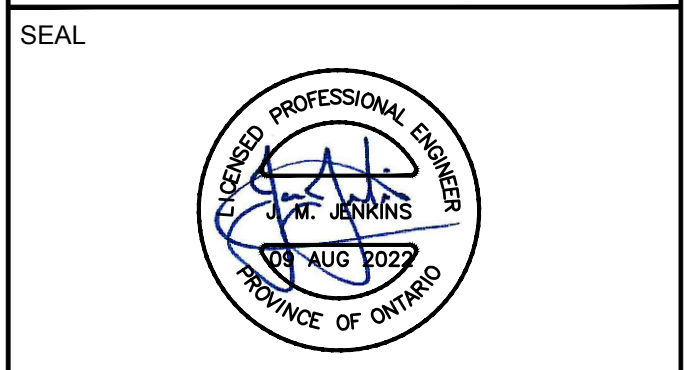
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LEGEND

PROPERTY LINE	---
OUTLINE OF GROUND FLOOR	---
UNDERGROUND PARKING LIMIT	---
PROPOSED STORM MANHOLE	○
PROPOSED SANITARY MANHOLE	○
PROPOSED SINGLE CATCH BASIN	□
PROPOSED DOUBLE CATCH BASIN	□
EXISTING STORM MANHOLE	○
EXISTING SANITARY MANHOLE	○
EXISTING CATCH BASIN	□
PROPOSED VALVE AND BOX	M V&B
PROPOSED STORM	---
PROPOSED SANITARY	---
PROPOSED WATER	---
EXISTING STORM	---
EXISTING SANITARY	---
EXISTING WATER	---
EXISTING BELL	○
EXISTING GAS	---
PROPOSED DOMESTIC WATER METER	M
PROPOSED BACKFLOW PREVENTER	B
PROPOSED DOUBLE CHECK DETECTOR ASSEMBLY	D
EXISTING HYDRO	---
EXISTING ROGERS	---
EXISTING STREET LIGHT CABLE	---
EXISTING BELL LIGHT CABLE	---
EXISTING WATER	---



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PROJECT NO:
139570

DRAWN BY: SB **CHECKED BY:** JJ

PROJECT MGR: JJ **APPROVED BY:** JJ

SHEET TITLE
PUBLIC UTILITIES PLAN

SHEET NUMBER
PUP-02

ISSUE
01

LIST OF DRAWINGS

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SITE PLAN INFORMATION

GRID: 1107 CENTRE STREET, SUITE 101 THORNHILL, ON L4J 3M6
 PHONE: (905) 739-0053
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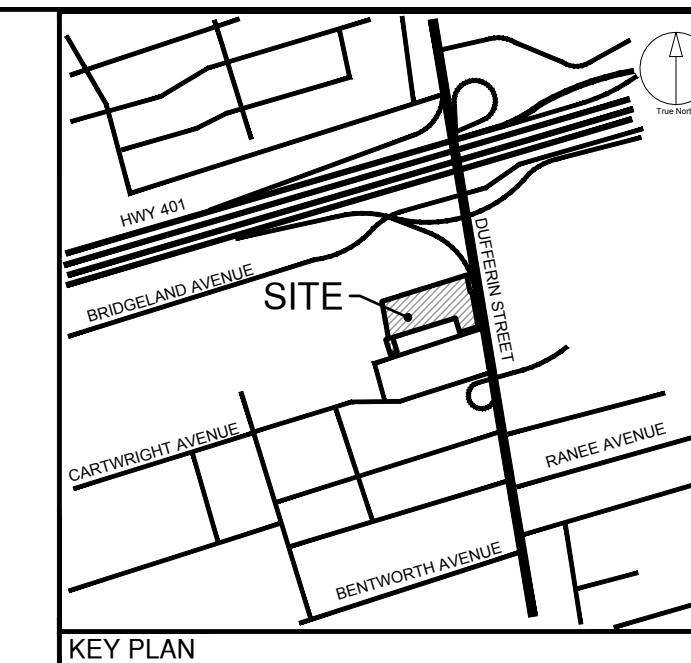
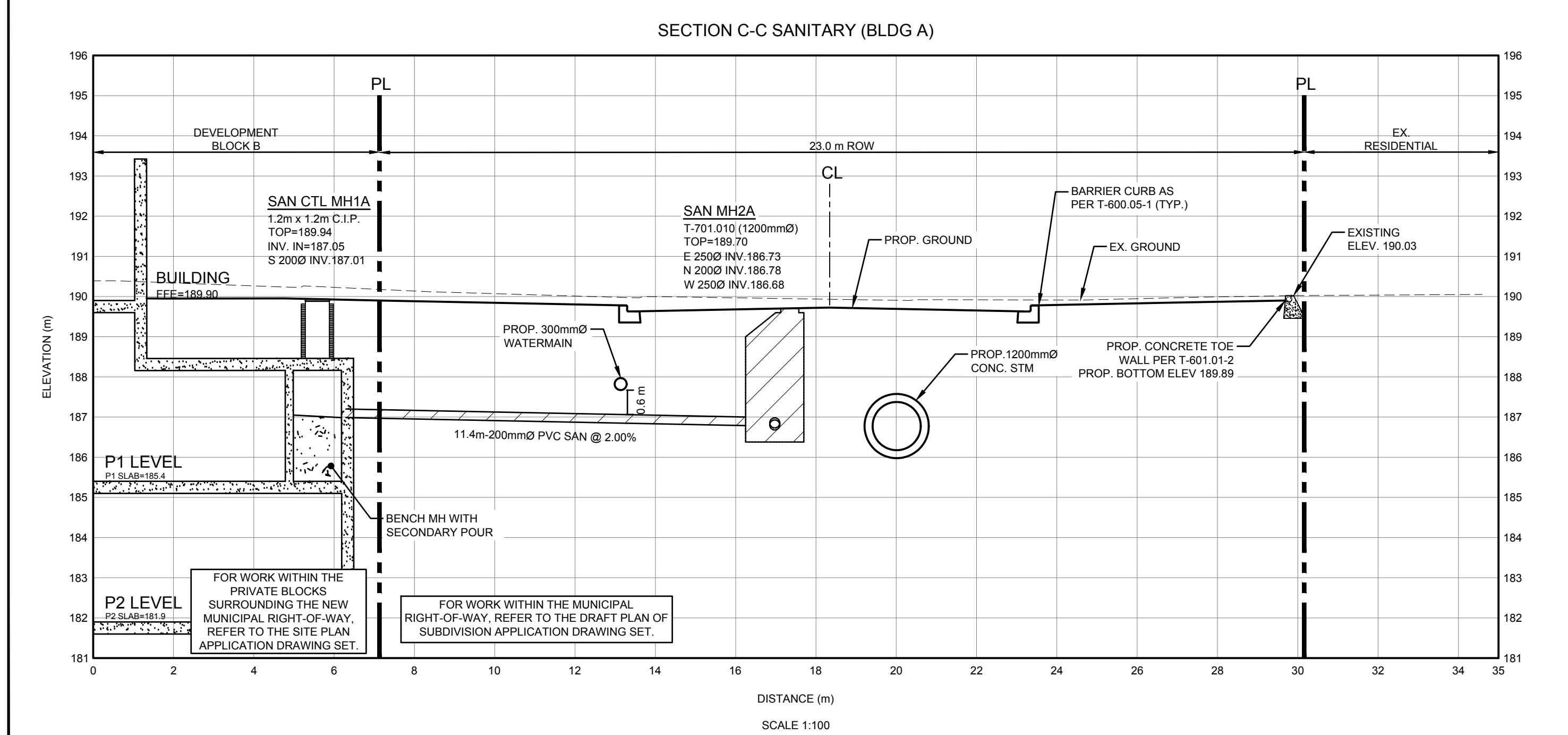
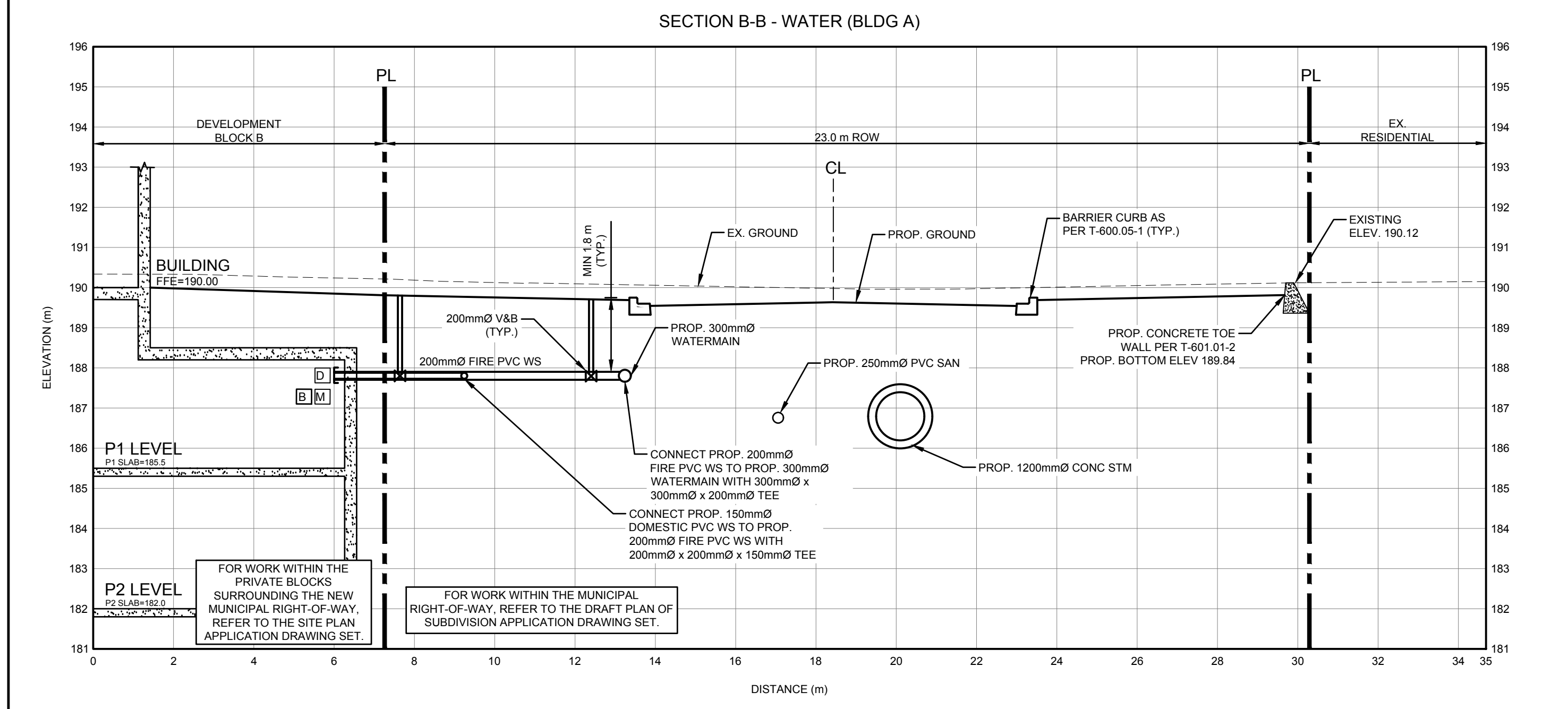
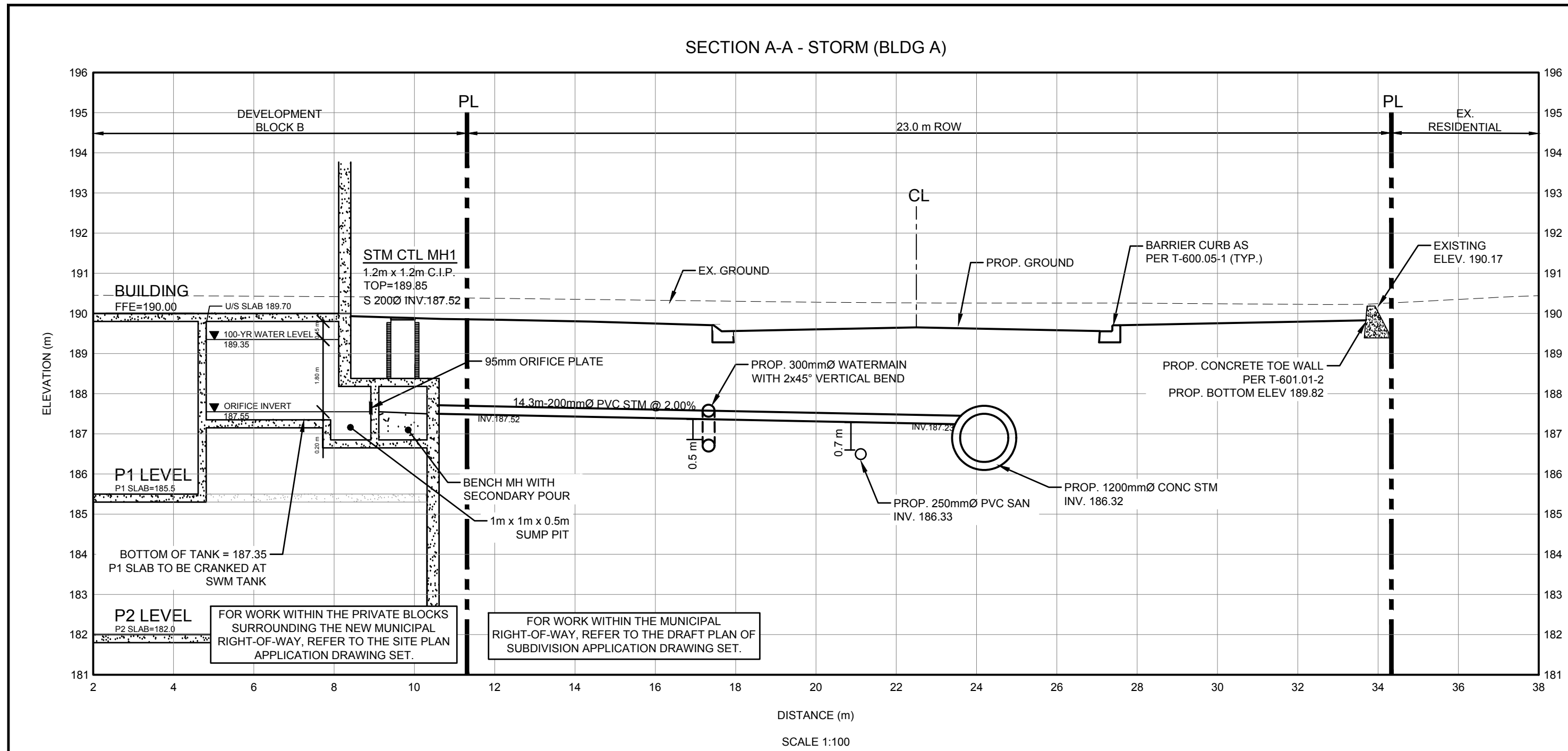
SURVEYOR INFORMATION

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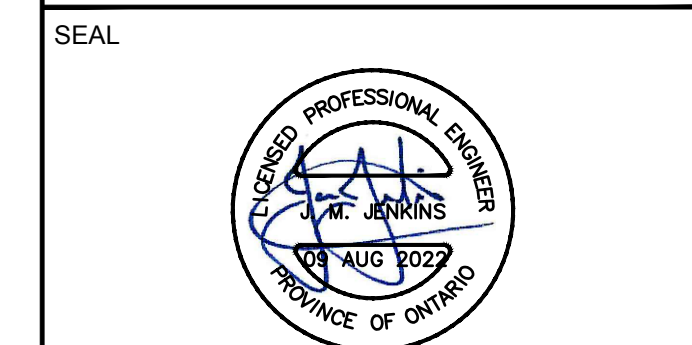
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 1107 CENTRE STREET, SUITE 101
 THORNHILL, ON L4J 3M6
 PHONE: (905) 739-0053
 E-MAIL: info@krigmar.ca

BENCHMARK INFORMATION:
 ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO THE CITY OF TORONTO BENCHMARK No. 12319661816, HAVING AN ELEVATION = 190.109 METRES.

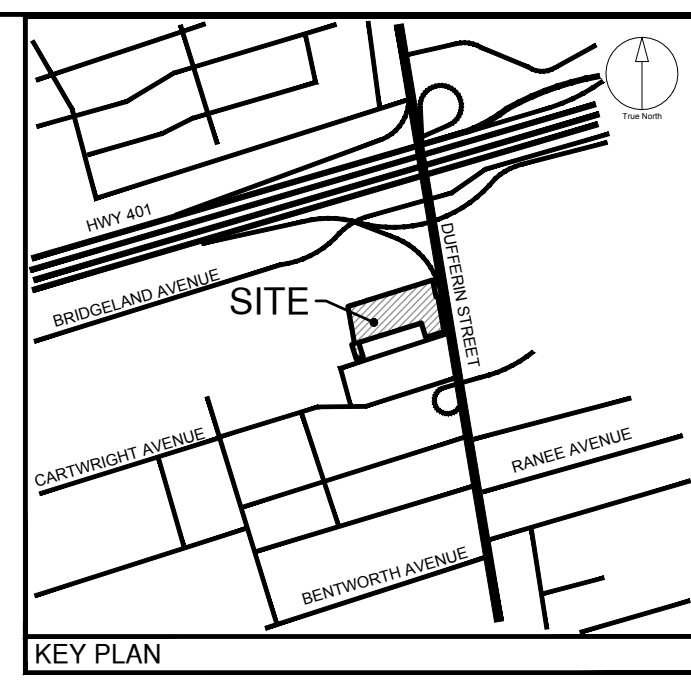
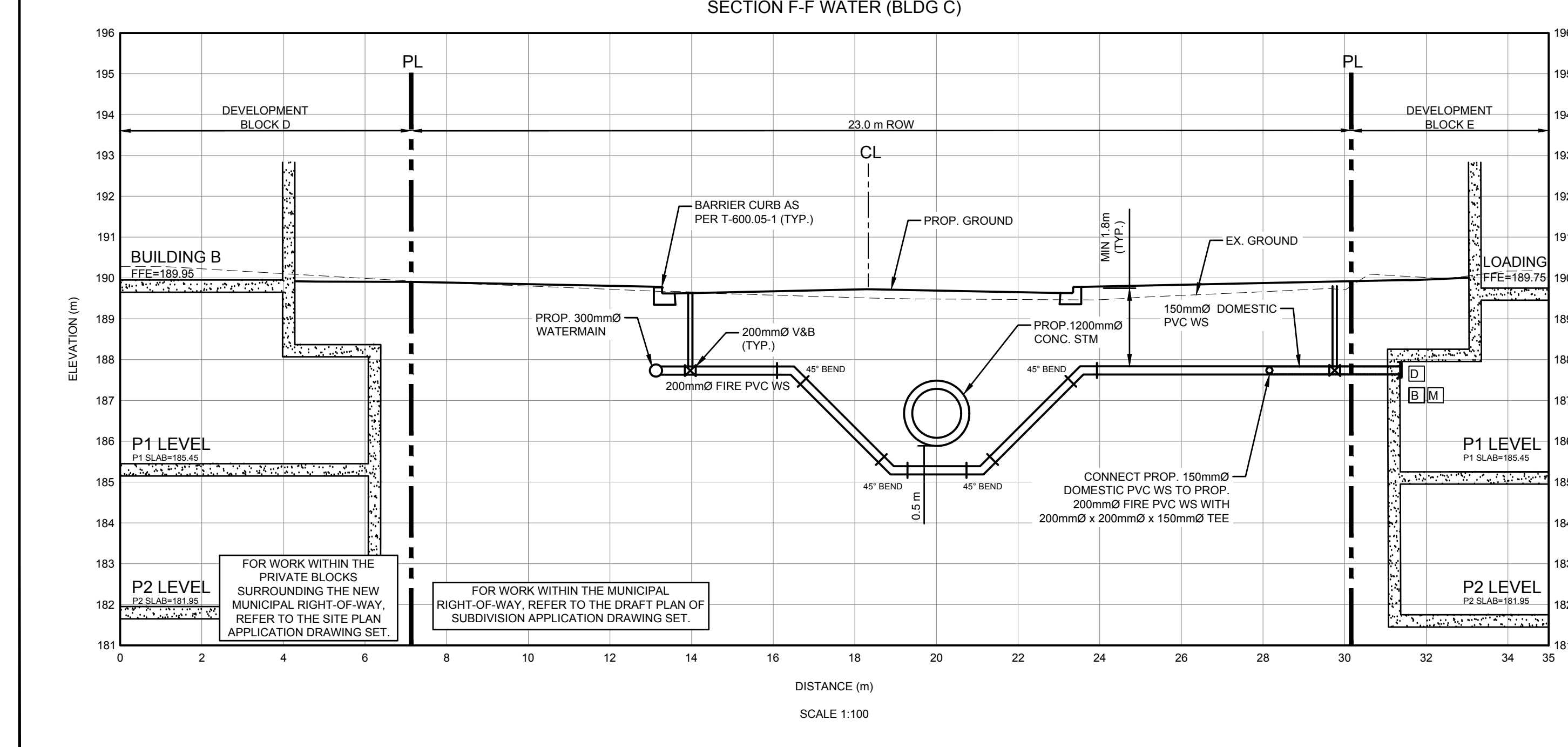
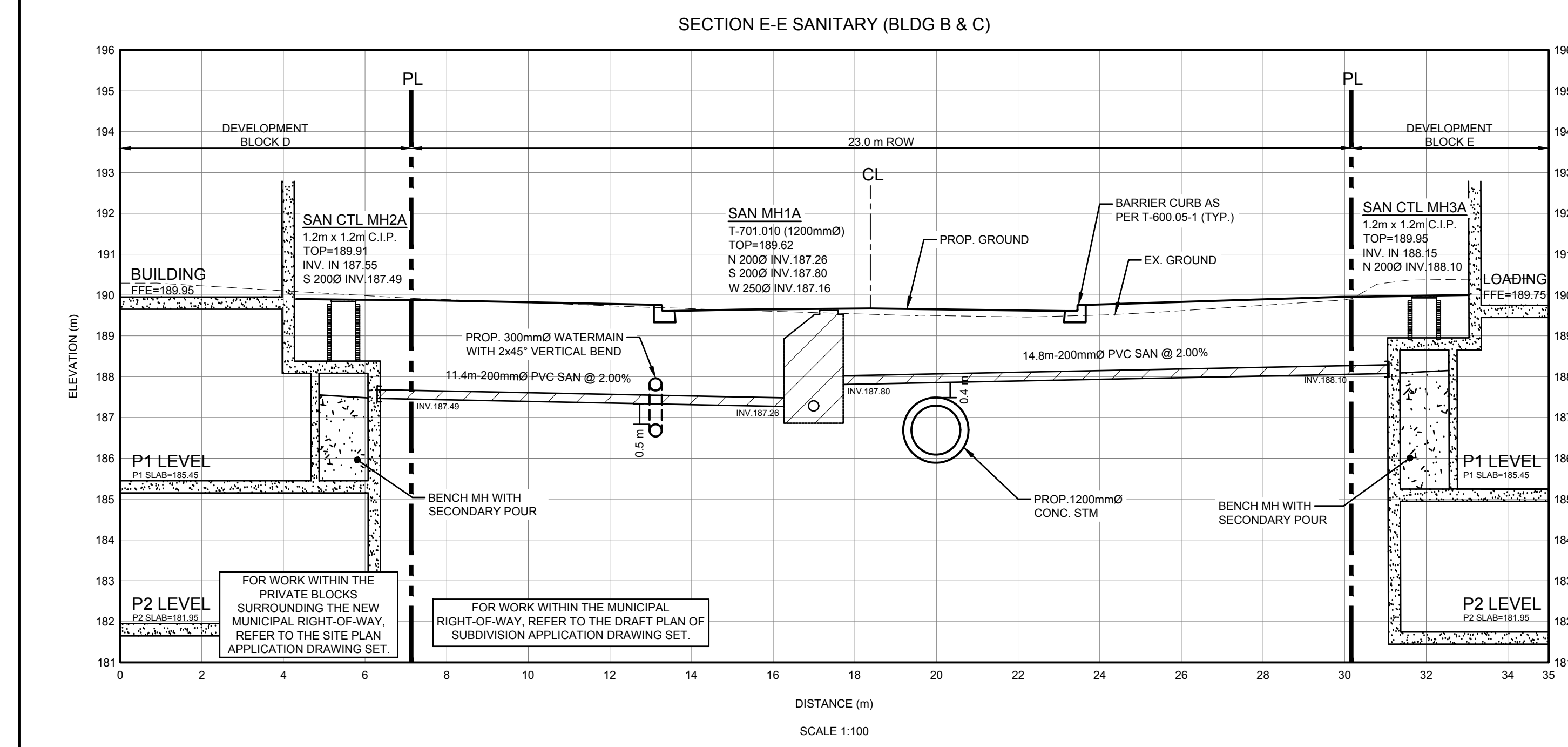
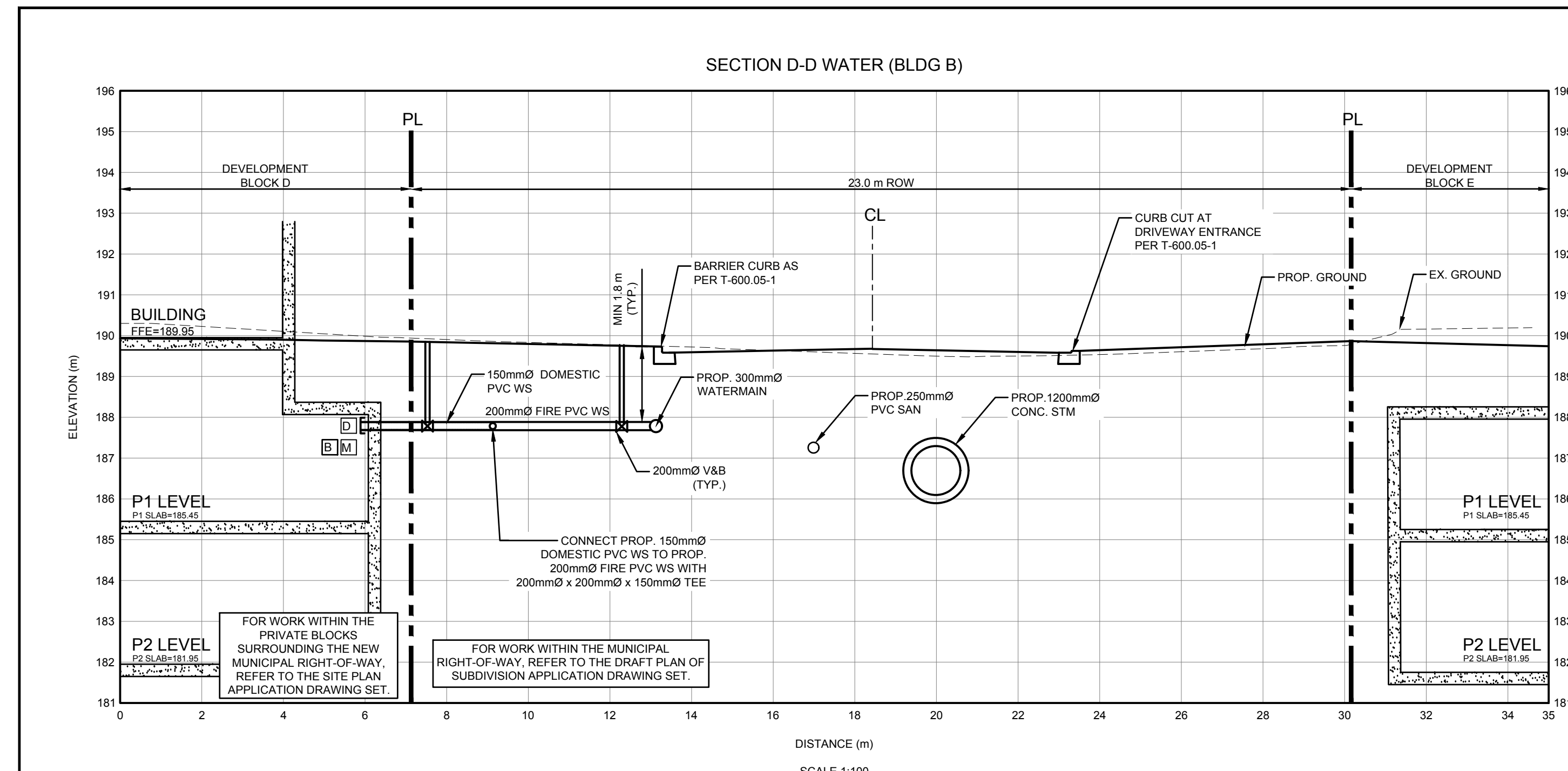
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SHEET TITLE
CROSS SECTIONS

SHEET NUMBER
XS-01

ISSUE
01

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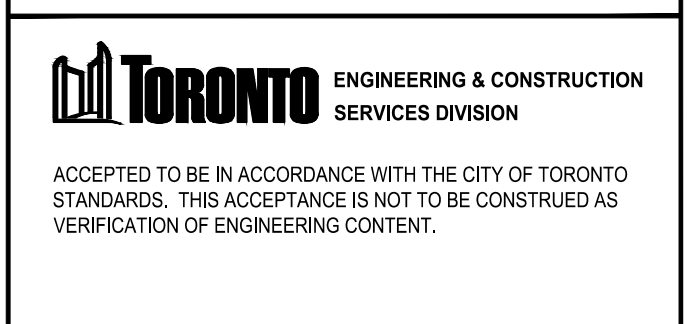
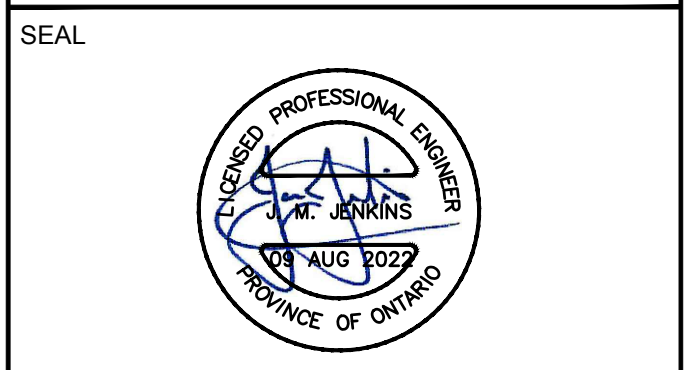
IBI Group Professional Services (Canada) Inc.
a member of the IBI Group of companies

ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	AUG 09, 2022

LEGEND

MANAGER, DEVELOPMENT ENGINEERING	DATE



IBI GROUP
Unit 300 - 8133 Warden Avenue
Markham ON L6G 1B3 Canada
Tel: 905.763.2322 Fax: 905.763.9983
ibigroup.com

PROJECT
3400 DUFFERIN STREET & 8 JANE OSLER BOULEVARD
TORONTO, ONTARIO, M6A 2V1

PROJECT NO:
139570

DRAWN BY: **SB** CHECKED BY: **JJ**

PROJECT MGR: **JJ** APPROVED BY: **JJ**

SHEET TITLE
CROSS SECTIONS

SHEET NUMBER **XS-02** ISSUE **01**

LIST OF DRAWINGS

SD-01 - SITE GRADING PLAN	XS-01 - CROSS SECTIONS
SD-02 - SITE GRADING PLAN	XS-02 - CROSS SECTIONS
SD-03 - SITE SERVICES PLAN	XS-03 - CROSS SECTIONS
SD-04 - SITE SERVICES PLAN	EC-01 - EROSION AND SEDIMENT CONTROL PLAN
PUP-01 - PUBLIC UTILITIES PLAN	EC-02 - EROSION AND SEDIMENT CONTROL PLAN
PUP-02 - PUBLIC UTILITIES PLAN	GD-01 - GENERAL NOTES AND DETAILS
	GD-02 - GENERAL NOTES AND DETAILS

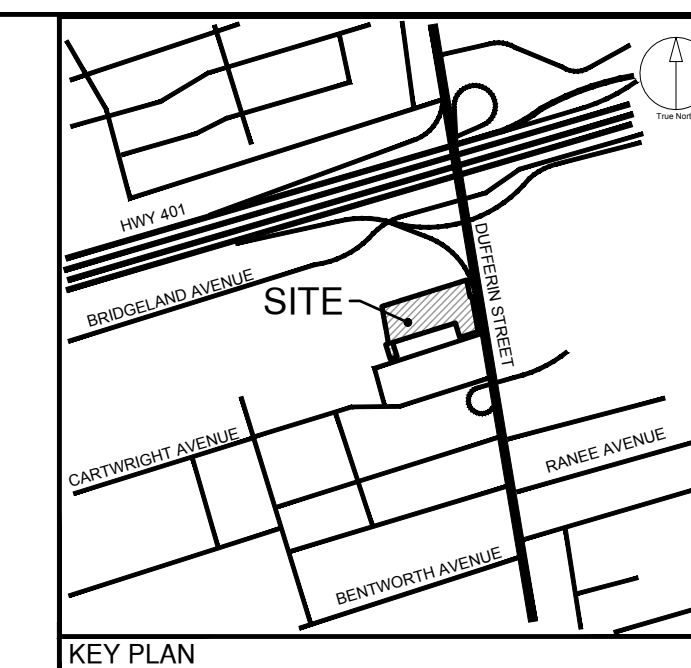
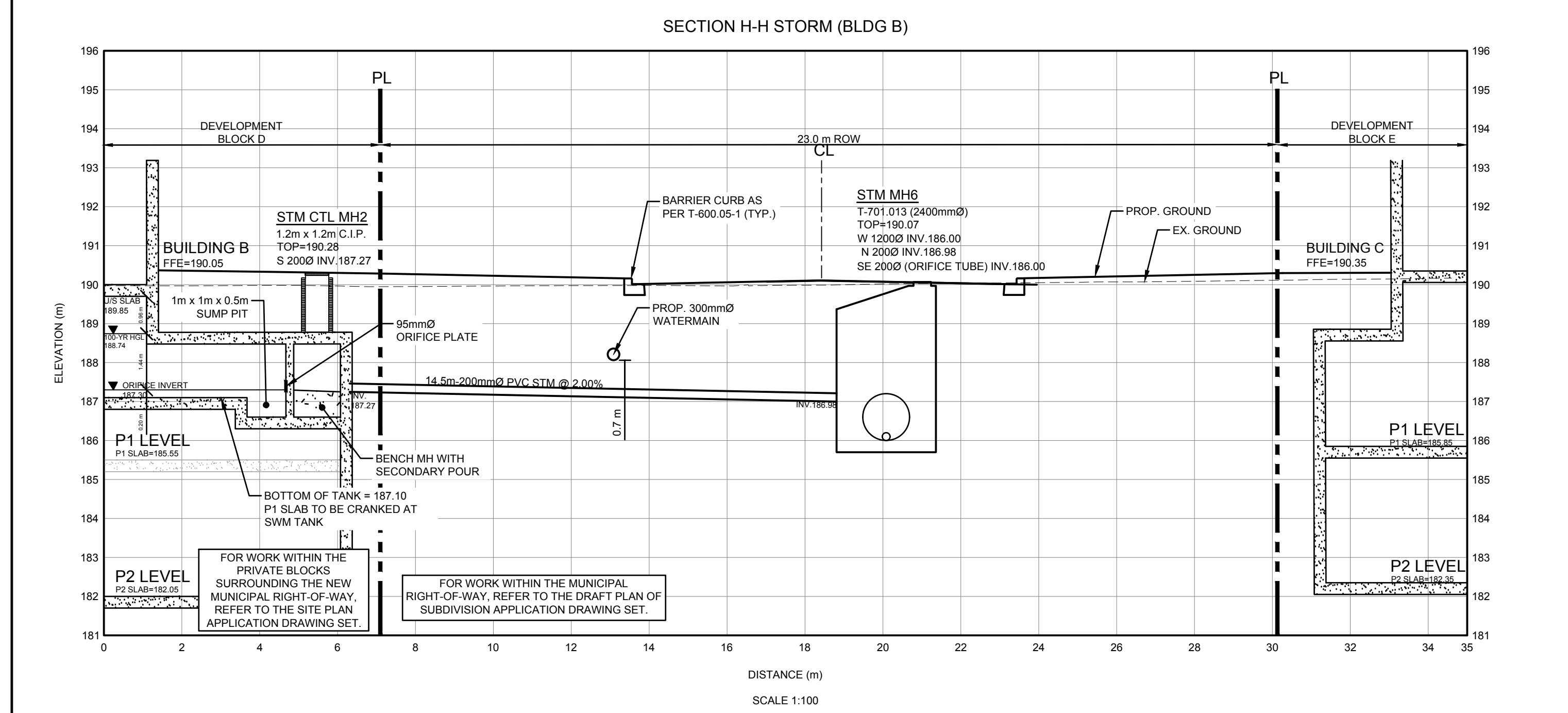
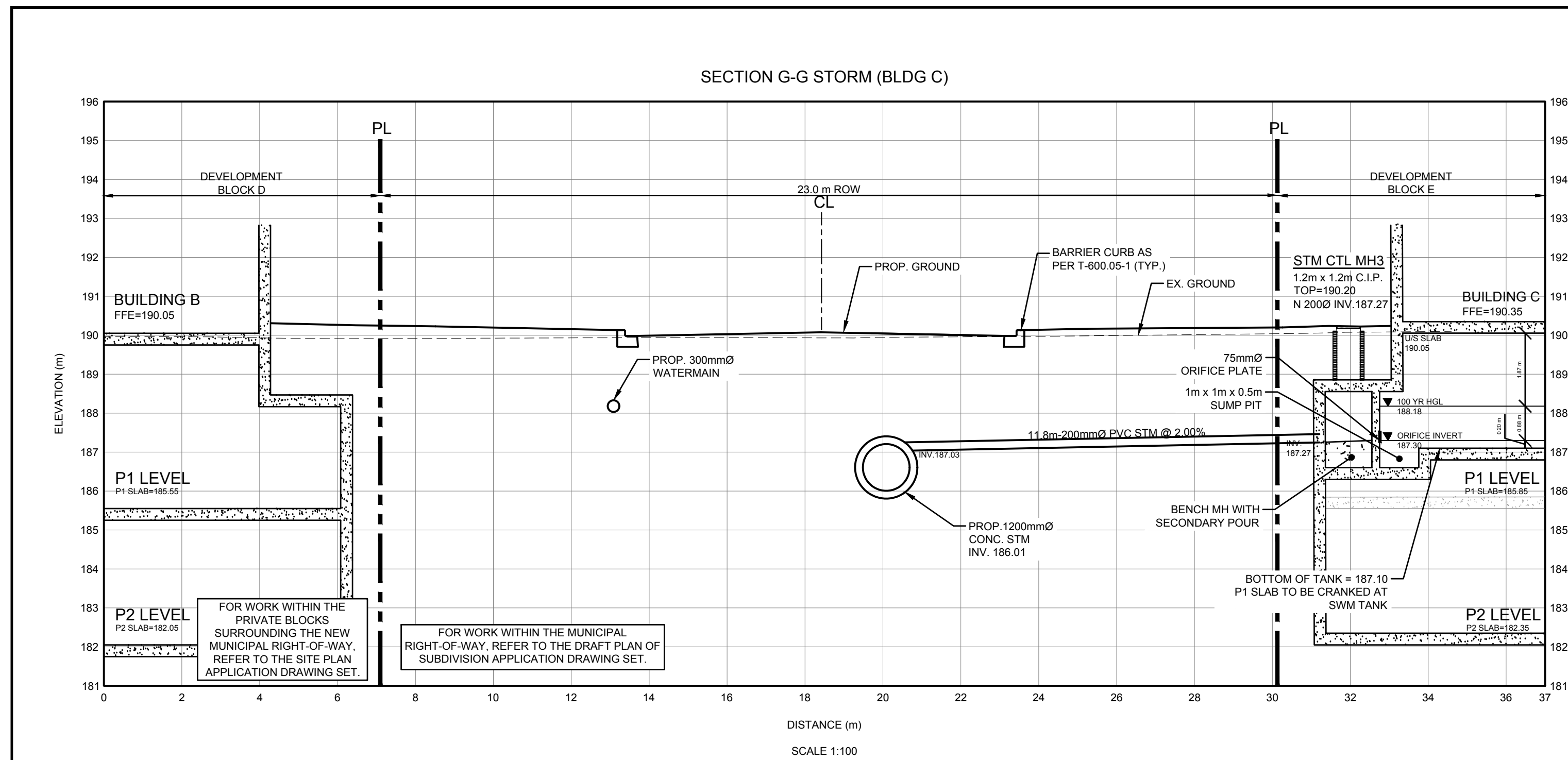
SITE PLAN INFORMATION
GRD INC.
56 OSSINGTON AVENUE,
TORONTO, ON CANADA M6J 2Y9
PHONE: (416) 919-1797

SURVEYOR INFORMATION
KRICMAR SURVEYORS LTD.
1107 CENTRE STREET, SUITE 101
THORNHILL, ON L4J 3M6
PHONE: (905) 759-0053
E-MAIL: info@kricmar.ca

BENCHMARK INFORMATION:
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO THE CITY OF TORONTO BENCHMARK No. 12315661816, HAVING AN ELEVATION = 190.109 METRES.

SCALE: 1:100

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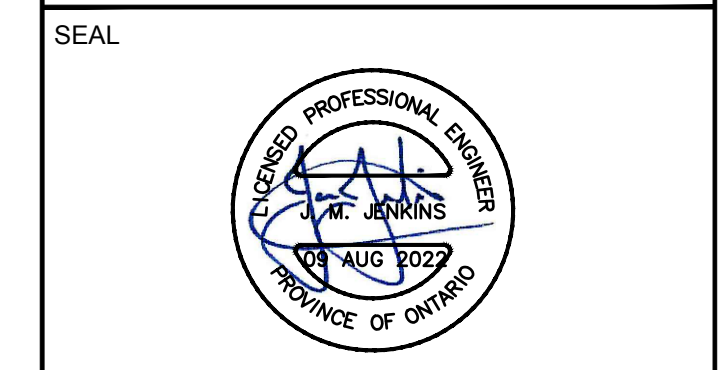
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ISSUES		
No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	AUG 09, 2022

LEGEND



Toronto ENGINEERING & CONSTRUCTION SERVICES DIVISION

ACCEPTED TO BE IN ACCORDANCE WITH THE CITY OF TORONTO STANDARDS. THIS ACCEPTANCE IS NOT TO BE CONSTRUED AS VERIFICATION OF ENGINEERING CONTENT.

MANAGER, DEVELOPMENT ENGINEERING DATE

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

PROJECT
3400 DUFFERIN STREET & 8 JANE OSLER BOULEVARD
 TORONTO, ONTARIO, M6A 2V1

LIST OF DRAWINGS

SG-01 - SITE GRADING PLAN	XS-01 - CROSS SECTIONS
SG-02 - SITE GRADING PLAN	XS-02 - CROSS SECTIONS
SS-01 - SITE SERVICES PLAN	XS-03 - CROSS SECTIONS
SS-02 - SITE SERVICES PLAN	EC-01 - EROSION AND SEDIMENT CONTROL PLAN
PUP-01 - PUBLIC UTILITIES PLAN	EC-02 - EROSION AND SEDIMENT CONTROL PLAN
PUP-02 - PUBLIC UTILITIES PLAN	GD-01 - GENERAL NOTES AND DETAILS
	GD-02 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION
 GRP INC.
 56 CROFTON AVENUE,
 TORONTO, ON CANADA M4J 2Y9
 PHONE: (416) 919-1797

SURVEYOR INFORMATION
 KRUMHOLTZ SURVEYORS LTD.
 1107 CENTRE STREET, SUITE 101
 THORNHILL, ON L4J 3M6
 PHONE: (905) 739-0053
 E-MAIL: info@krum.ca

PROJECT NO: 139570	CHECKED BY: JJ
DRAWN BY: SB	APPROVED BY: JJ
PROJECT MGR: JJ	
SHEET TITLE CROSS SECTIONS	

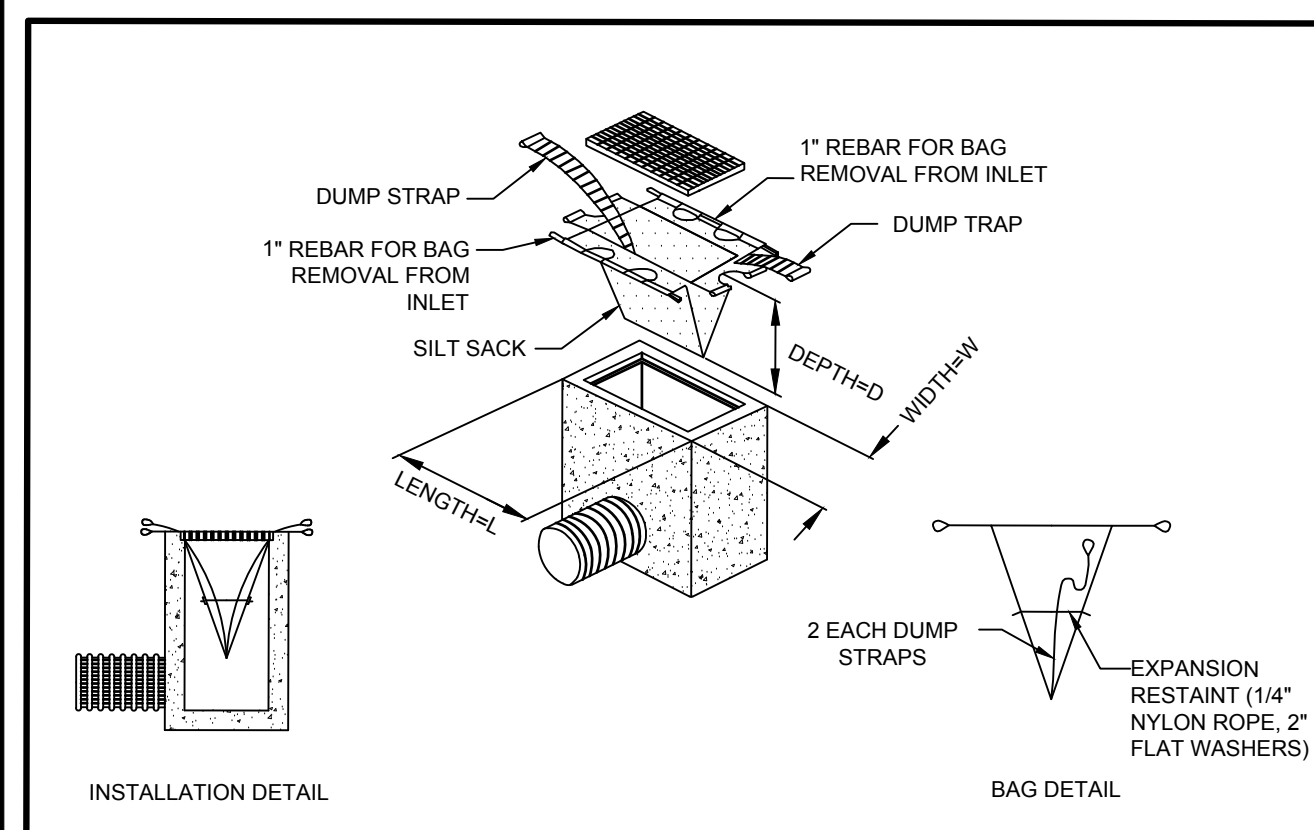
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SCALE: 1:100

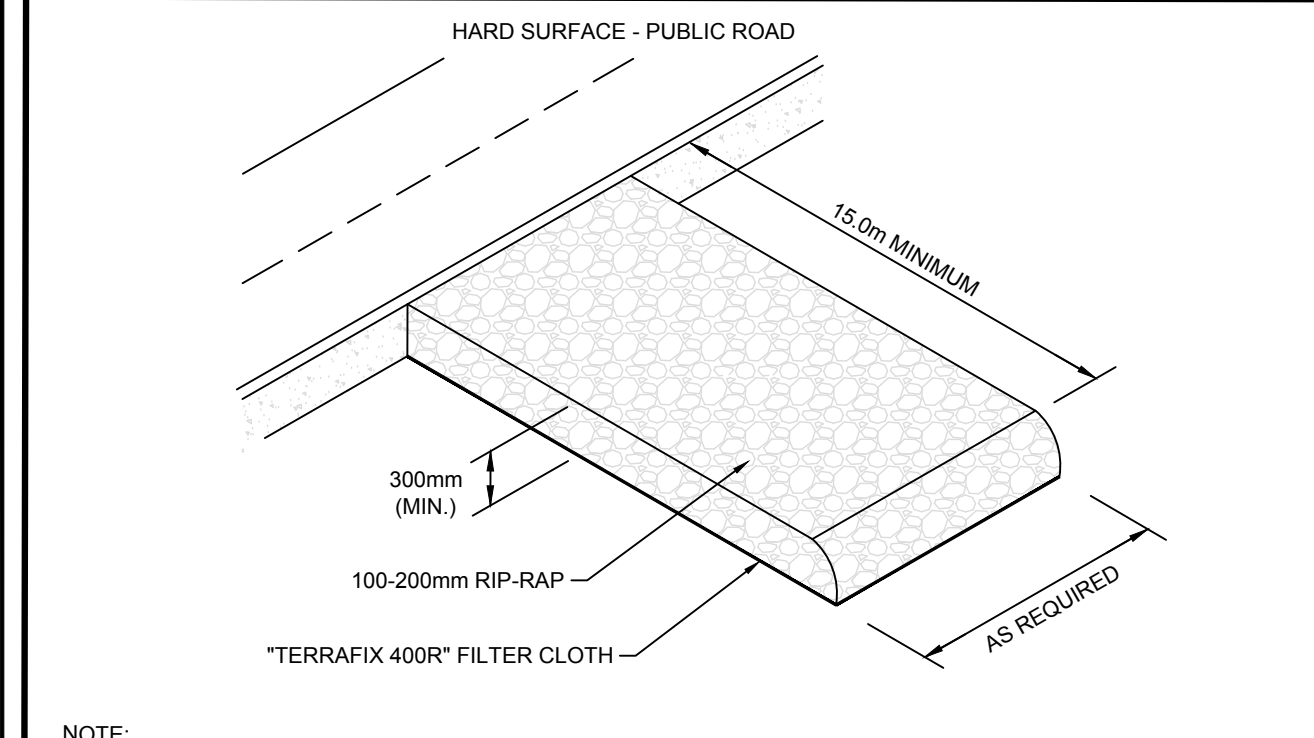
SHEET NUMBER
XS-03

ISSUE
01

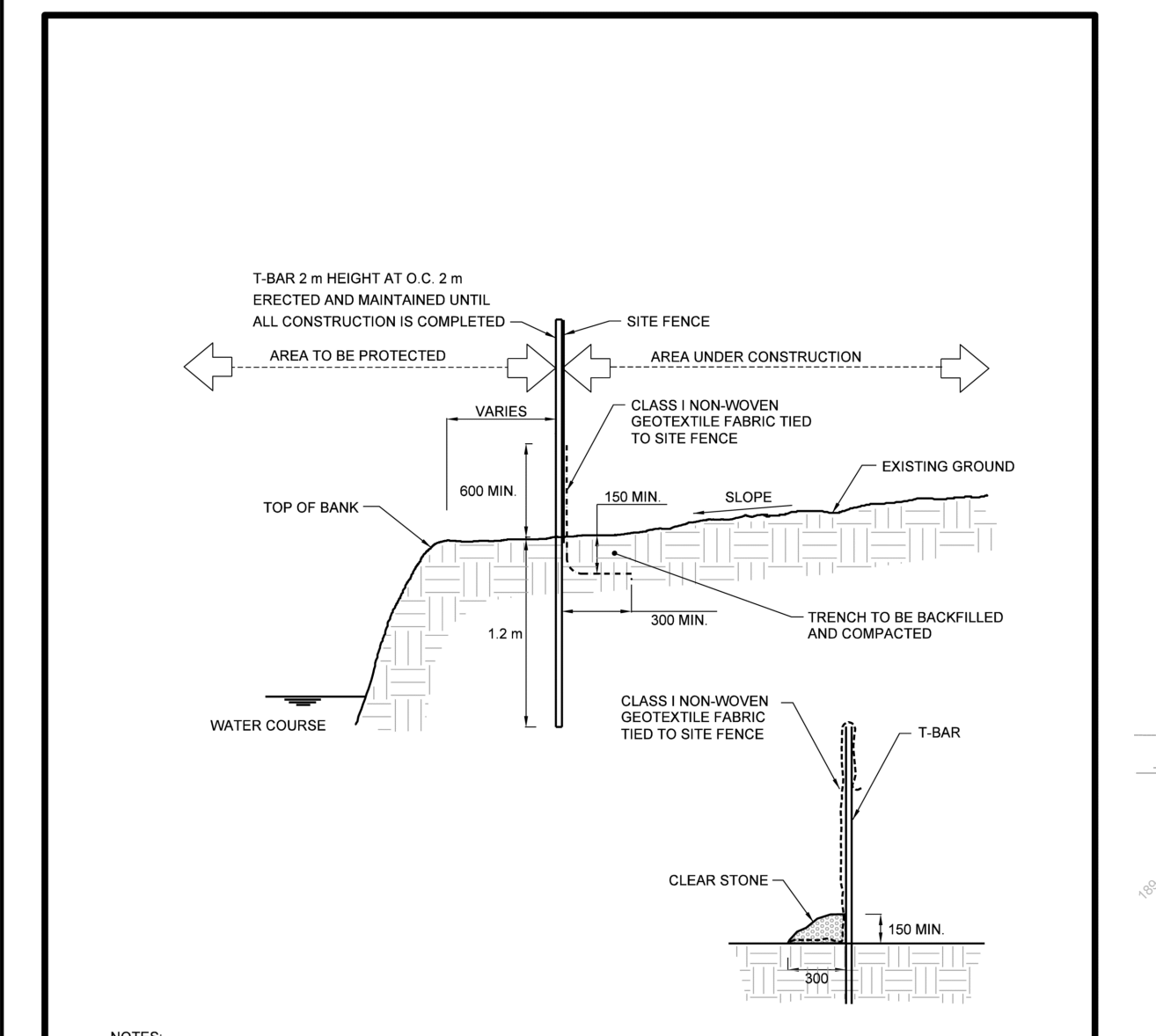
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TEMPORARY SEDIMENT TRAP N.T.S.



TEMPORARY GRAVEL ACCESS PAD N.T.S.

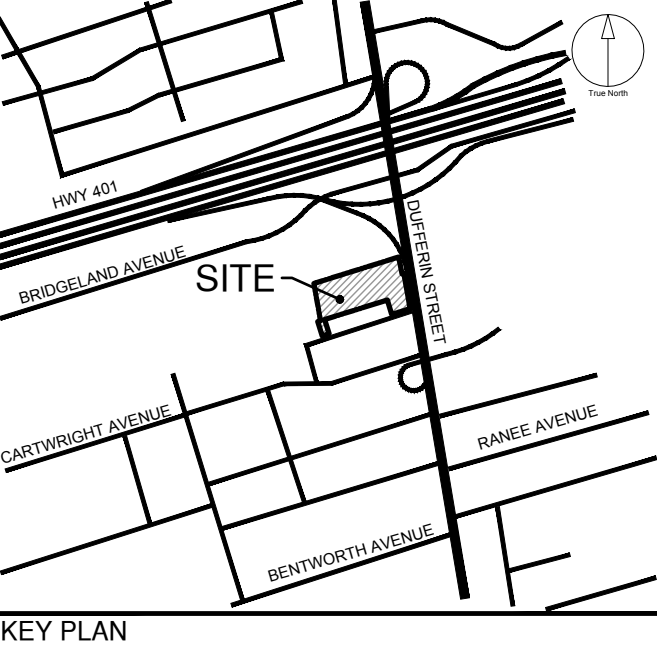
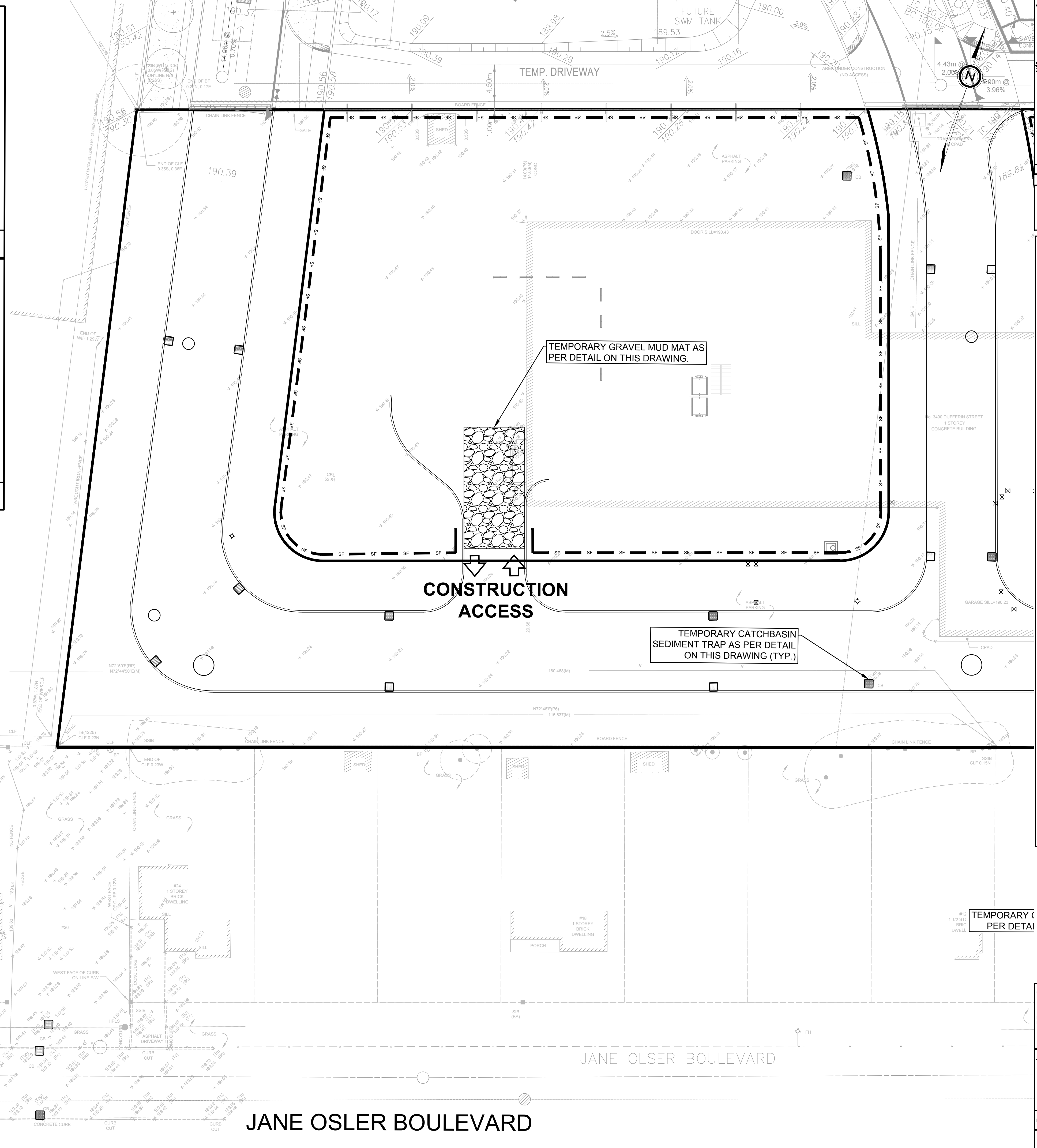


FROZEN CONDITION

NOTES:
 1. MATERIALS REMOVED FROM TRENCH SHALL BE REPLACED ON TOP OF HORIZONTAL PORTION OF FILTER CLOTH.
 2. FILTER CLOTH SHALL BE HORIZONTALLY OVERLAPPED 300mm.
 3. SILT FENCE INSTALLATION WORK SHALL AVOID THE DESTRUCTION OF EXISTING WOODY VEGETATION (EG. SHRUBS AND TREES) OTHER THAN THOSE SPECIES WHICH MAY HAVE BEEN APPROVED FOR REMOVAL.

All dimensions are in millimetres unless otherwise shown.

	ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING	REV 1	NOV 2014
	SEDIMENT CONTROL FENCE	T-219.130-1	
		NTS	SHEET 1



- NOTES:**
- REFER TO DRAWING GN-01 FOR ALL CONSTRUCTION AND GENERAL NOTES
 - INSTALL TEMPORARY CATCHBASIN SEDIMENT TRAP ON EX. CATCHBASIN

EROSION AND SEDIMENT CONTROL / GENERAL NOTES:

- SEDIMENT BARRIER AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF THE CONSTRUCTION.
- ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER UNTIL THE AREA IS STABILIZED.
- IF NECESSARY, TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
- THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
- ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ON-SITE.
- WILL COMPLY WITH CITY OF TORONTO NOISE BY-LAW.
- SEDIMENT CONTROL FENCE TO BE AS PER CITY OF TORONTO STANDARD T-219-130-1 AND TO BE INSTALLED AROUND THE ENTIRE SITE.
- ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
- ALL TOPSOIL STOCKPILES TO BE SURROUNDED WITH SEDIMENT CONTROL FENCING. STOCKPILED MATERIALS WHICH WILL NOT BE USED WITHIN TWO WEEKS MUST BE STABILIZED USING ONE OR MORE OF THE FOLLOWING METHODS: TEMPORARY SEEDING (1 YEAR OR LESS), TRAP OR OTHER DURABLE COVERING, OR ANCHORED STRAW OR MULCH.
- FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOULEVARDS ARE SODDED OR BACKYARDS GRADED AND SODDED. FILTER FABRIC FOR SILT CONTROL TO BE TERRAFIX 270R OR APPROVED EQUIVALENT.
- FILTER CLOTH WILL BE PLACED ON THE CATCHBASINS ON (PUBLIC STREET) ACROSS THE PROPERTY'S FRONTAGE.
- STREET SWEEPING, CATCHBASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE DEVELOPER AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR KEEPING THE MUNICIPAL ROADWAY CLEAN AND WILL WASH AND SWEEP THE ROADWAY AS REQUIRED.
- FILTER CLOTH AND 150mm OF 19mm CRUSHED STONE WILL BE PLACED ON THE ON-SITE CATCHBASINS FOR SEDIMENT PROTECTION DURING CONSTRUCTION. FILTER CLOTH WILL BE PLACED ON THE CATCHBASINS ON THE PUBLIC STREETS ACROSS THE PROPERTY'S FRONTAGE.
- THE SILT FENCE WILL BE INSTALLED IN ACCORDANCE WITH CITY REQUIREMENTS FOR AN EROSION CONTROL FENCE.
- IN THE CASE OF ANY CONFLICT WITH ANOTHER PLAN, THIS PLAN PREVAILS ONLY IN RESPECT TO CONSTRUCTION MEASURES AND ACTIVITIES SUCH AS THE CONSTRUCTION ACCESS, SILT FENCE, SECURITY FENCE, SEDIMENT CONTROL AND MUD MATS.

TEMPORARY CATCHBASIN SEDIMENT TRAP AS PER DETAIL ON THIS DRAWING (TYP.)

TEMPORARY GRAVEL MUD MAT AS PER DETAIL ON THIS DRAWING

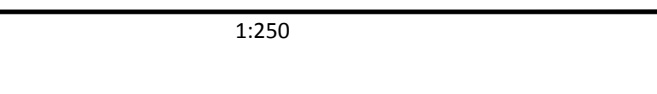
TEMPORARY SEDIMENT TRAP AS PER DETAIL ON THIS DRAWING

LIST OF DRAWINGS

SD-01 - SITE GRADING PLAN	XS-01 - CROSS SECTIONS
SD-02 - SITE GRADING PLAN	XS-02 - CROSS SECTIONS
SD-03 - SITE SERVING PLAN	ES-01 - EROSION AND SEDIMENT CONTROL PLAN
SD-04 - PUBLIC UTILITIES PLAN	ES-02 - EROSION AND SEDIMENT CONTROL PLAN
PUP-01 - PUBLIC UTILITIES PLAN	GD-01 - GENERAL NOTES AND DETAILS
PUP-02 - PUBLIC UTILITIES PLAN	GD-02 - GENERAL NOTES AND DETAILS

SITE PLAN INFORMATION	SURVEYOR INFORMATION
GRP INC. 56 CRIMMINGTON AVENUE TORONTO, ON CANADA M2J 2Y9 PHONE: (416) 919-1797	KRICMAR SURVEYORS LTD. 1107 CENTRE STREET, SUITE 101 THORNHILL, ON L4J 3M6 PHONE: (905) 739-0053 E-MAIL: info@kricmar.ca

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No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	AUG 09, 2022

LEGEND

PROPERTY LINE	
CONTROL FENCE TEMPORARY	
CONSTRUCTION ACCESS TEMPORARY	
SEDIMENT TRAP TEMPORARY GRAVEL	
MUD MAT	

SEAL

Toronto ENGINEERING & CONSTRUCTION SERVICES DIVISION

ACCEPTED TO BE IN ACCORDANCE WITH THE CITY OF TORONTO STANDARDS. THIS ACCEPTANCE IS NOT TO BE CONSTRUED AS VERIFICATION OF ENGINEERING CONTENT.

MANAGER, DEVELOPMENT ENGINEERING DATE

PROJECT
 3400 DUFFERIN STREET &
 8 JANE OSLER BOULEVARD
 TORONTO, ONTARIO, M6A 2V1

PROJECT NO:
 139570

DRAWN BY:
 SB

CHECKED BY:
 JJ

PROJECT MGR:
 JJ

APPROVED BY:
 JJ

IBI GROUP
 Unit 300 - 8133 Warden Avenue
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 Tel: 905.763.2322 Fax: 905.763.9983
 ibigroup.com

PROJECT
 3400 DUFFERIN STREET &
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PROJECT NO:
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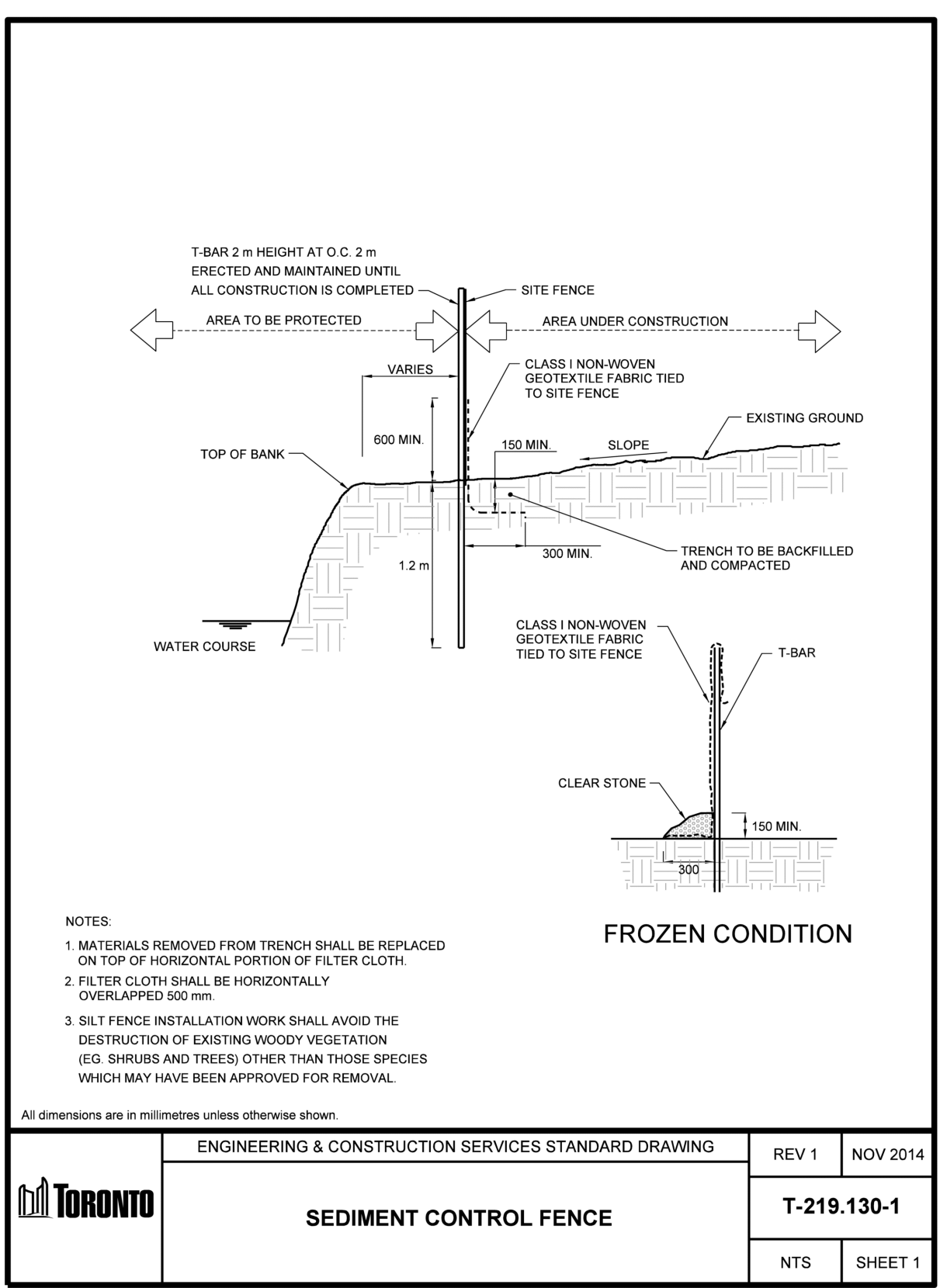
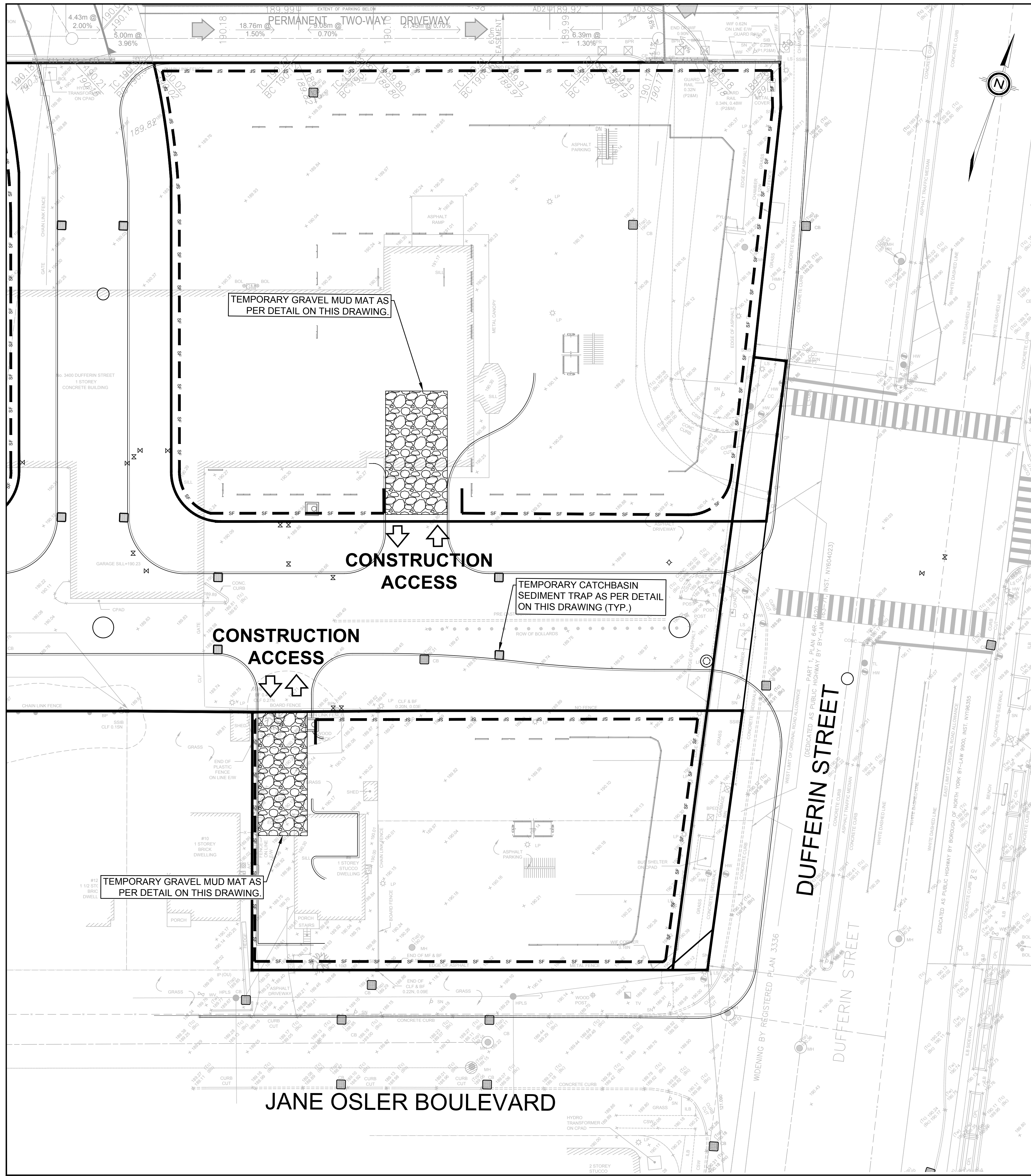
APPROVED BY:
 JJ

SHEET TITLE
EROSION AND SEDIMENT CONTROL PLAN

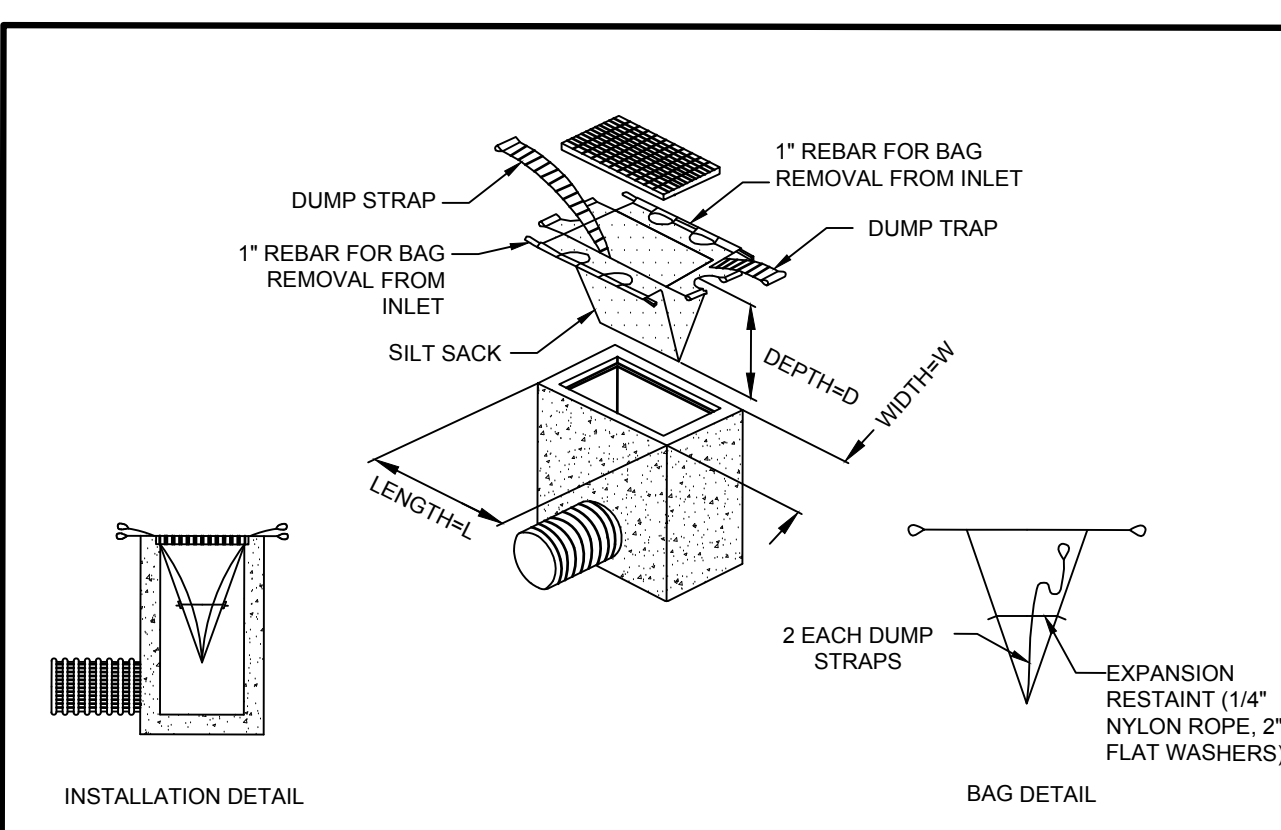
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EC-01

ISSUE
01

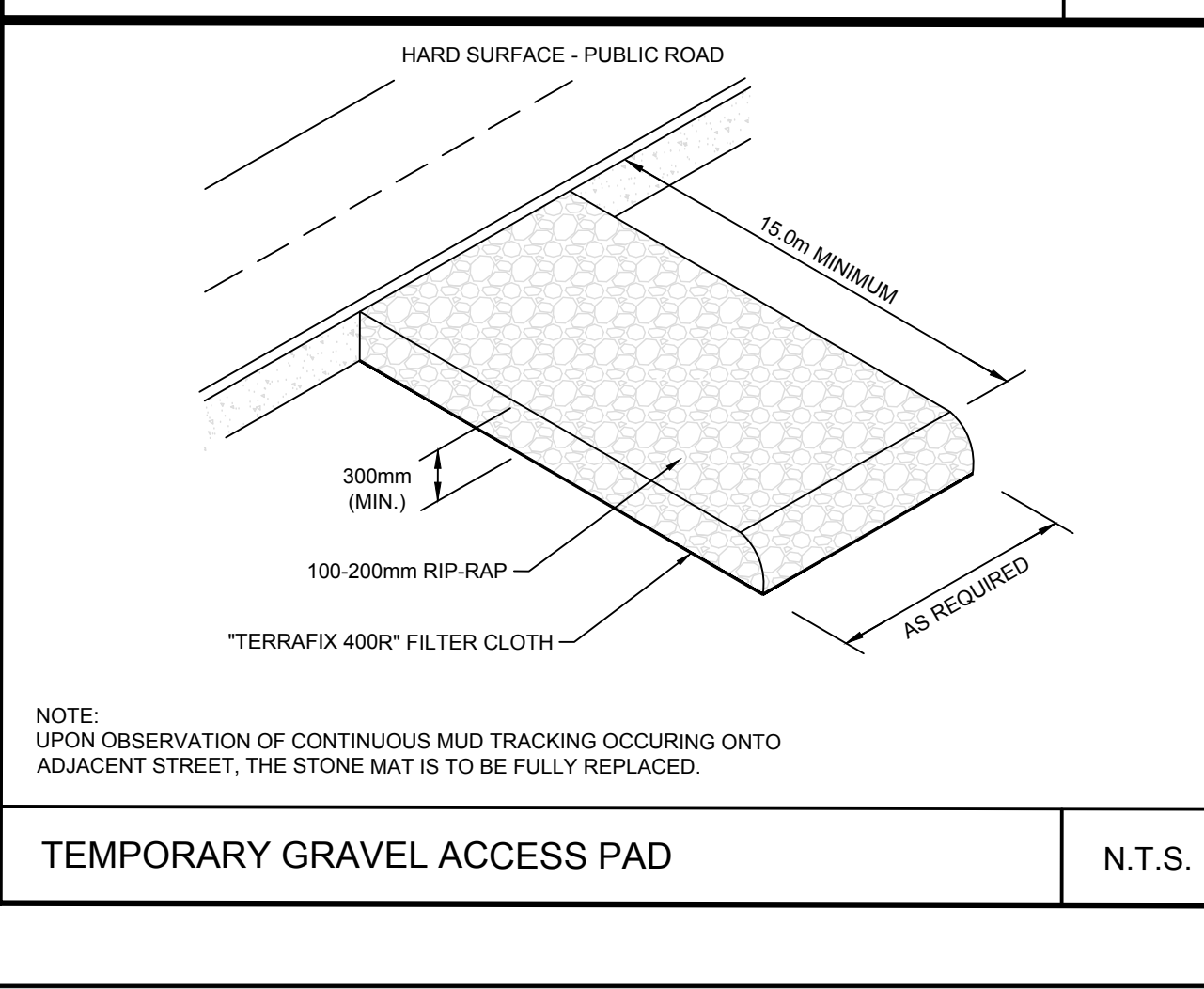
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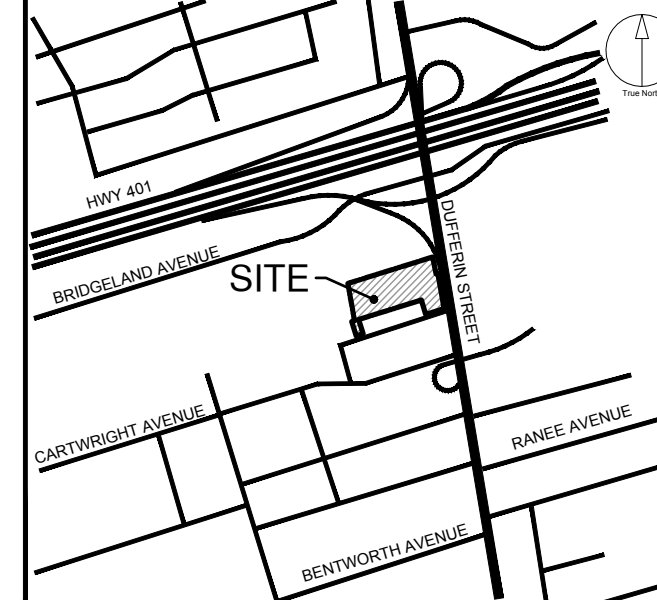
ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING
SEDIMENT CONTROL FENCE
 REV 1 NOV 2014
 T-219.130-1
 NTS SHEET 1



TEMPORARY SEDIMENT TRAP
 N.T.S.



TEMPORARY GRAVEL ACCESS PAD
 N.T.S.



KEY PLAN NOTES:

- REFER TO DRAWING GN-01 FOR ALL CONSTRUCTION AND GENERAL NOTES
- INSTALL TEMPORARY CATCHBASIN SEDIMENT TRAP ON EX. CATCHBASIN

EROSION AND SEDIMENT CONTROL / GENERAL NOTES:

- SEDIMENT BARRIER AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF THE CONSTRUCTION.
- ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER UNTIL THE AREA IS STABILIZED.
- IF NECESSARY, TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
- THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
- ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ON-SITE.
- WILL COMPLY WITH CITY OF TORONTO NOISE BY-LAW.
- SEDIMENT CONTROL FENCE TO BE AS PER CITY OF TORONTO STANDARD T-219-130-1 AND TO BE INSTALLED AROUND THE ENTIRE SITE.
- ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
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- FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOULEVARDS ARE SODDED OR BACKYARDS GRADED AND SODDED. FILTER FABRIC FOR SILT CONTROL TO BE TERRAFIX 270R OR APPROVED EQUIVALENT.
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MANAGER, DEVELOPMENT ENGINEERING DATE



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ISSUES

No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	AUG 09, 2022

LEGEND

PROPERTY LINE	---
CONTROL FENCE TEMPORARY	--- SF ---
CONSTRUCTION ACCESS TEMPORARY	--->---<---
SEDIMENT TRAP TEMPORARY GRAVEL	[Symbol]
MUD MAT	[Symbol]

SEAL

Toronto ENGINEERING & CONSTRUCTION SERVICES DIVISION

ACCEPTED TO BE IN ACCORDANCE WITH THE CITY OF TORONTO STANDARDS. THIS ACCEPTANCE IS NOT TO BE CONSTRUED AS VERIFICATION OF ENGINEERING CONTENT.

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

PROJECT
3400 DUFFERIN STREET & 8 JANE OSLER BOULEVARD
 TORONTO, ONTARIO, M6A 2V1

PROJECT NO:
139570

DRAWN BY:
SB

CHECKED BY:
JJ

PROJECT MGR:
JJ

APPROVED BY:
JJ

SHEET TITLE
EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER
EC-02

ISSUE
01

SCALE: 1:250

1:250

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LEGISLATION, REGULATION AND CODES:

- 1. ALL WORK WITHIN THE CITY RIGHT-OF-WAY SHALL BE CONSTRUCTED ACCORDING TO THE LATEST CITY OF TORONTO STANDARD DRAWINGS AND SPECIFICATIONS. ONTARIO PROVINCIAL STANDARDS DRAWINGS AND SPECIFICATIONS MAY, SUBJECT TO THE APPROVAL OF THE CITY OF TORONTO, BE USED WHERE NO CITY STANDARD OR SPECIFICATION IS AVAILABLE.
2. ALL WORK SHALL BE COMPLETED ACCORDING TO THE CURRENT OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. THE GENERAL CONTRACTOR SHALL BE DEEMED THE CONSTRUCTOR AS DEFINED IN THE ACT.
3. ALL TEMPORARY TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION SHALL BE ACCORDING TO THE CURRENT ONTARIO TRAFFIC MANUAL BOOK 7: TEMPORARY CONDITIONS FIELD EDITION.

CONSTRUCTION NOTES:

- 1. ALL MATERIAL FOR SEWER, FORCEMAIN, WATERMAIN, HYDRANTS AND APPURTENANCES, SHALL BE ACCORDING TO CITY OF TORONTO MATERIAL/MANUFACTURER SPECIFICATIONS AS REQUIRED BY CHAPTER 6, MATERIAL SPECIFICATIONS FROM DESIGN CRITERIA FOR SEWERS AND WATERMANS MANUAL.
2. UTILITY SEPARATION SHALL BE ACCORDING TO APPENDIX 'D' OF THE CITY OF TORONTO DESIGN CRITERIA FOR SEWERS AND WATERMANS MANUAL.
3. SERVICE CONNECTIONS AND UTILITY CUTS MADE IN ROAD PAVEMENTS SHALL BE BACKFILLED WITH UNSHRINKABLE FILL ACCORDING TO TS 4.60.
4. ALL AREAS DISTURBED DURING CONSTRUCTION WITHIN THE CITY'S RIGHT-OF-WAY SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AND TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
5. ALL EXISTING UTILITIES SHOWN ON DRAWINGS (PLAN AND PROFILE) ARE FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE ACTUAL LOCATION AND DEPTH OF ANY UTILITY AND SHALL BE LIABLE FOR ALL OR ANY DAMAGE.
6. ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND CONSTRUCTION DRAWINGS MUST BE REPORTED TO THE CITY PRIOR TO COMMENCEMENT OF CONSTRUCTION AND APPROPRIATE ACTION TAKEN TO THE SATISFACTIONS OF THE CONTRACT ADMINISTRATOR.
7. ALL SURVEY STAKE LAYOUT POINTS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE LAYOUT SHALL BE IMMEDIATELY REPORTED TO THE CITY.
8. ATTENTION IS DIRECTED TO THE POSSIBILITY OF EXISTING PRIVATE SPRINKLERS AND LIGHTING SYSTEMS WITHIN THE RIGHT-IF-WAY, WHICH ARE NOT SHOWN ON THE PLANS. LOCATION, WORKING AROUND AND PROTECTING THESE SYSTEMS SHALL BE COMPLETED AT NO EXTRA COST TO THE CITY.
9. AT ALL LOCATIONS WHERE THE PROPOSED WATER MAIN CROSSES UNDER OR ABOVE THE EXISTING SEWERS, UTILITIES, GRANULAR A BEDDING MATERIAL IS TO EXTEND FROM THE LOWER PIPE TO THE TOP OF THE UPPER PIPE. GRANULAR TO BE COMPACTED TO MINIMUM 98% OF MAXIMUM DRY DENSITY.
10. CONTRACTOR TO PROVIDE ADEQUATE SUPPORT DURING CONSTRUCTION AND MINIMUM OF 300mm VERTICAL CLEARANCE BETWEEN NEW WATERMAIN AND GAS MAINS. MINIMUM 600 mm VERTICAL CLEARANCE BETWEEN NEW WATERMAIN AND GAS MAINS LARGER THAN 300 mm DIAMETER.
11. ALL EXISTING WATERMANS AND SEWER PIPES LARGER THAN 300 mm DIAMETER SHALL BE SUPPORTED ACCORDING TO DRAWING T-1007.01-4.
12. ALL DIMENSIONS ARE EXPRESSED IN METRES (m) AND PIPE SIZES ARE EXPRESSED IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

CONTACT INFORMATION:

- 1. PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT-OF-WAY, THE CONTRACTOR SHALL APPLY FOR A ROAD OCCUPANCY PERMIT FROM THE CITY'S RIGHT-OF-WAY MANAGEMENT UNIT DISTRICT OFFICE.
2. NOTIFY TORONTO WATER AT 416-392-7819 TWO WEEKS PRIOR TO EXCAVATION NEAR TRANSMISSION WATERMAIN SO THAT A TORONTO WATER INSPECTOR MAY BE PRESENT.
3. DURING THE CONSTRUCTION OF (WATERMAIN / SERVICES OR SEWER / LATERALS) CLOSE TO AN EXISTING TRANSMISSION WATERMAIN, CONTRACTOR TO NOTIFY TORONTO WATER AT 416-392-7819 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

ORIGINAL DATA SOURCE:

- 1. SURVEY DATA UPDATED SEPTEMBER 17, 2018.
2. LEGAL BOUNDARY OBTAINED FROM SURVEYS AND MAPPING SSARA SEPTEMBER 17, 2018.

ROAD RECONSTRUCTION:

- 1. RECONSTRUCTION OF DRIVEWAY ENTRANCES SHALL BE ACCORDING TO T-310.050-8.
2. LIMITS OF SIDEWALK / CURB RECONSTRUCTION ARE APPROXIMATE. ACTUAL LIMITS ARE TO BE CONFIRMED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
3. CHAINAGE IS ESTABLISHED FROM THE CENTRELINE OF CONSTRUCTION AND GUTTER GRADES ARE CALCULATED ALONG THE GUTTER LINE.
4. HEIGHT OF CURB FACES MAY VARY ALONG LENGTH OF GUTTER, AS SHOWN ON PROFILE, OR TO BE CONFIRMED IN THE FIELD.
5. ADJUST ALL STRUCTURES (MAINTENANCE HOLES, CATCH BASINS,) TO SUIT NEW DESIGN ELEVATIONS INCLUDING BREAKING DOWN AND REMOVAL OF PORTION OF TOP OF STRUCTURES TO ALL FOR MINIMUM 1500 mm ADJUSTMENTS.
6. ALL CURBS SHALL BE CONSTRUCTED WITH A LEDGE AT THE BACK OF THE CURB TO FACILITATE FUTURE SIDEWALK CONSTRUCTION.
7. FULL DEPTH SAW-CUTS ARE REQUIRED AT CONSTRUCTION LIMITS OF EXISTING CURB, SIDEWALK AND PAVEMENT UNLESS OTHERWISE SHOWN.
8. SAW CUT EXISTING PAVEMENT, SIDEWALK, CURB, GUTTER, DRIVEWAYS, WALKWAYS. AT CONSTRUCTION LIMITS TO PROVIDE A CLEAN JOINT FOR THE PROPOSED WORK.
9. CONSTRUCT PEDESTRIAN SIDEWALK RAMPS WITH TACTILE WALKING SURFACE INDICATORS ACCORDING TO T-310.030-7, T-310.030-8, T-310.030-9, T-310.030-10 AND T-310.030-11.
10. EXISTING ENTRANCE RAMPS TO BE REINSTATED. VEHICULAR SIDEWALK RAMP SHALL BE ACCORDING TO T-310.050-1.
11. ADJUSTMENT OF APPROACHES, WALKWAYS AND STEPS MAY BE REQUIRED. LIMITS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
12. EXISTING ASPHALT THICKNESS MAY VARY. TAPER TO MATCH EXISTING AT CONSTRUCTION LIMITS (MINIMUM 2.0 m).

- 13. FILTER FABRIC TO BE PLACED UNDER GRATED ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOULEVARDS ARE SODDED OR BACKYARDS GRADED AND SODDED. FILTER FABRIC FOR SILT CONTROL TO BE TERRAFIX 270R OR APPROVED EQUIVALENT.
14. ROAD RESTORATION ON MILL STREET IS TO BE DONE AS PER TORONTO SPECIFICATION TS-4.60 CONSTRUCTION SPECIFICATION FOR UTILITY CUT AND RESTORATION.

WATERMANS:

- 1. PVC WATERMANS SHALL BE MINIMUM DR 18 CLASS 235 (AWWA) C900-07.
2. EMBEDMENT MATERIAL FOR FLEXIBLE PIPE SHALL BE ACCORDING TO OPSD 1102.02 AND USING GRANULAR A ACCORDING TO TS 1010 AND COMPACTED TO MINIMUM 98% OF MAXIMUM DRY DENSITY.
3. MINIMUM COVER ON WATERMANS SHALL BE 1.8 m.
4. ALL HYDRANTS SHALL BE CONSTRUCTED ACCORDING TO T-1105.01.
5. HYDRANT LEADS SHALL BE MINIMUM DR 18 CLASS 235 (AWWA) C900-07.
6. ALL SERVICE CONNECTIONS SHALL BE CONSTRUCTED ACCORDING TO T-1104.01, T-1101.02-1, T-1104.02-3, T-1105.02-1 AND T-1105.02-2.
7. ALL CURB AND VALVE BOXES TO BE LOCATED AT STREET LINE.
8. MECHANICAL THRUST RESTRAINS SHALL BE INSTALLED AT ALL FITTINGS, BENDS, TEES, CROSSES, REDUCERS AND VALVES FOR ALL WATERMAIN SIZES. MECHANICAL RESTRAINTS AT JOINTS SHALL BE INSTALLED AT EVERY PIPE JOINT 6.1 m OF EITHER SIDE OF THE VALVE FOR WATERMANS 100 mm DIAMETER OR LARGER.
9. ALL TEES, PLUGS, HORIZONTAL, VERTICAL BENDS, REDUCERS AND HYDRANTS TO HAVE CONCRETE THRUST BLOCKS ACCORDING TO T-1103.01 AND T-1103.020.
10. WATERMANS MUST FOLLOW THE ONTARIO MINISTRY OF THE ENVIRONMENT PROCEDURE F-6-1 THAT GOVERN THE SEPARATION OF SEWERS AND WATERMANS. A MINIMUM VERTICAL CLEARANCE OF 0.30 m WHEN CROSSING OVER AND 0.5 m WHEN CROSSING UNDER SEWERS AND ALL OTHER UTILITIES IS REQUIRED. MUST ALSO MAINTAIN 2.5 m HORIZONTAL SEPARATION WITH SEWERS.
11. ALL VALVES LESS THAN 400 mm WILL BE IN A VALVE AND BOX ACCORDING TO T-1101.02-2. ALL VALVES 400 mm AND LARGER SHALL BE IN A CHAMBER.
12. SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL METALLIC PIPES AND APPURTENANCES, WATER SERVICES AND FITTINGS ACCORDING TO T-1106.04, T-1106.05, T-1106.06 AND TS 7.22.
13. TRACER WIRE INSTALLATION SHALL BE ACCORDING TO TS 7.40.
14. HYDROSTATIC PRESSURE TEST AND LEAKAGE TESTING OF THE WATERMAIN SHALL BE ACCORDING TO TS 441.
15. THE NEW WATERMAIN SHALL BE ISOLATED ACCORDING TO T-1104.03-3 OR T-1104.03-4 UNTIL BACTERIOLOGICAL TESTS ARE SATISFACTORILY COMPLETED.
16. PROVISIONS FOR FLUSHING THE WATER MAIN PRIOR TO TESTING AND SO FORTH MUST BE PROVIDED WITH AT LEAST A 50 mm OUTLET ON 100 mm AND LARGER LINES ACCORDING TO T-1104.03-1. COPPER WATER SERVICES SHALL HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE, ON FIRE LINES. FLUSHING OUTLET TO BE 50 mm DIAMETER MINIMUM OR A HYDRANT.
17. DISINFECTION OF THE WATERMAIN SHALL BE ACCORDING TO TS 7.30 AND SHALL INCLUDE ALL NEW WATER SERVICES 100 mm DIA. AND LARGER.
18. TORONTO WATER REQUIRES THAT THE NEW DISTRIBUTION SYSTEM REMAIN ISOLATED UNTIL SATISFACTORY BACTERIOLOGICAL SAMPLE RESULTS ARE RECEIVED. ECS CONTRACT ADMINISTRATOR SHALL NOTIFY TORONTO WATER WHEN SAMPLE RESULTS HAVE PASSED IN ORDER TO PROCEED WITH REMOVAL OF THE BLOW-OFF AND BACK FILLING OF THE ACCESS PIT.
19. AFTER SATISFACTORY DISINFECTION OF THE NEW WATERMAIN IS ACHIEVED PERMANENT CONNECTIONS TO THE EXISTING WATERMANS) WITH A FILLER PIECE SHALL BE MADE ACCORDING TO TS 7.70.
20. CITY IN-SERVICE WATER VALVES, CURB STOPS, FIRE HYDRANTS CAN ONLY BE OPERATED BY TORONTO WATER STAFF.
21. ALL NEW WATERMANS SHALL BE INSULATED WHERE THE COVER IS LESS THAN 1.65 m ACCORDING TO T-708.01-4.
22. THE CONTRACTOR SHALL CONNECT OR RECONNECT ALL STRAY CURRENT DRAINAGE CABLES CONNECTED TO THE TTC ELECTRIFIED RAIL SYSTEM ENCOUNTERED DURING WATERMAIN CONSTRUCTION.

WATERMAIN - FILL AREAS:

- 1. PIPES ARE NOT TO BE LAID ON FILL UNTIL THE FIELD DENSITY TEST REPORTS HAVE BEEN SUBMITTED AND APPROVED BY THE ENGINEER.
2. FILL TO BE PLACED TO A MINIMUM OF 600 mm ABOVE THE WATERMAIN GRADES AND TO 3 m MINIMUM ON EACH SIDE PRIOR TO WATERMAIN LAYING COMPACTED TO A MINIMUM OF 100% OF MAXIMUM DRY DENSITY IN 300 mm LIFTS.
3. SOIL DENSITY TESTS SHALL BE TAKEN ALONG CENTRELINE OF THE WATERMAIN AND ON LINES 1.5 m ON EITHER SIDE OF SAME AT A MAXIMUM INTERVAL OF 30 m. TESTS TO BE TAKEN AT EACH 600 mm LIFT.
4. ALL HYDRANTS, TEE, VALVES, BENDS, PLUGS AND EACH PIPE JOINT ARE TO BE MECHANICALLY RESTRAINED.
5. PIPE JOINT DEFLECTIONS ARE NOT ALLOWED.

EROSION AND SEDIMENT CONTROL:

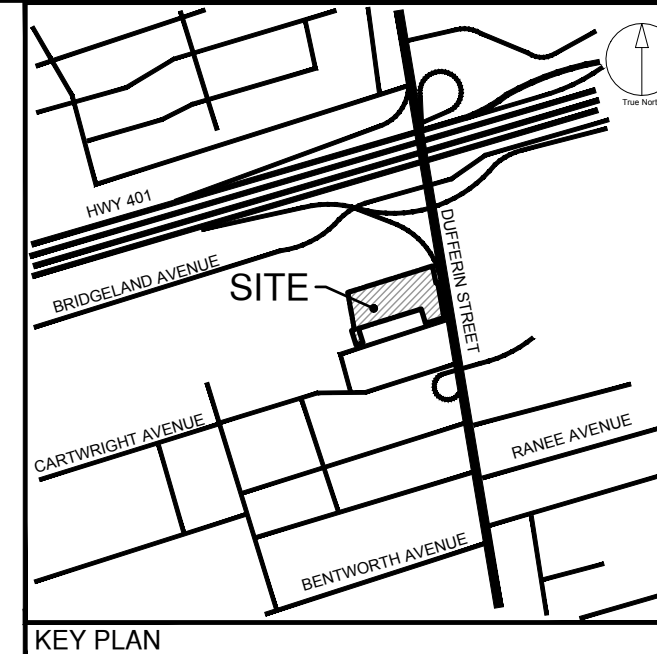
- 1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED OR REPLACED WITHIN 48 HOURS OF INSPECTION OR BOTH.
2. ALL DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.
3. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREA. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS AND A TORONTO REGION CONSERVATION AUTHORITY ENFORCEMENT OFFICE SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
4. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE REFUELING WILL BE CONDUCTED A MINIMUM OF 30 m FROM THE WATER.
5. ALL GRADES WITHIN THE REGULATORY FLOOD PLAIN WILL BE MAINTAINED OR MATCHED.

SANITARY AND STORM SEWERS:

- 1. MAIN LINE PVC PIPE SHALL BE DR 35.
2. SANITARY SERVICE CONNECTIONS SHALL BE SINGLE, 150 mm DIAMETER MINIMUM, PVC DR 28 INSTALLED AT 2 PERCENT AND THE COLOUR SHALL BE GREEN. FOR SINGLE RESIDENTIAL DWELLINGS.
3. EMBEDMENT MATERIAL FOR FLEXIBLE PIPE SHALL BE ACCORDING TO OPSD 1005.02 AND USING GRANULAR A ACCORDING TO TS 1010 AND COMPACTED TO MINIMUM 98% OF A MAXIMUM DRY DENSITY.
4. THE BEDDING MATERIALS SHOULD CONSIST OF BROADLY GRADED OPSS GRANULAR 'A' MATERIAL AND COMPACTED TO MINIMUM 98% OF MAXIMUM DRY DENSITY.
5. ULTRA-RIB PIPE IS NOT PERMITTED WITH THE MUNICIPAL RIGHT-OF-WAY.
6. MAINTENANCE HOLES SHALL BE ACCORDING TO T-701.010 (1200 mm), T-701.011 (1500mm), T-701.012-1 (1800mm) OR T-701.013 (2400mm). FRAME AND COVER SHALL BE ACCORDING TO OPSD 401.010 TYPE A CLOSED (SANITARY) TYPE B OPEN (STORM).
7. MAINTENANCE HOLE CHAMBER OPENINGS MUST BE LOCATED ON THE UPSTREAM SIDE OF THE MAINTENANCE HOLE.
8. BENCHING DETAILS SHALL BE ACCORDING TO T-701.0210 OR SHOWN ON THE DRAWINGS.
9. DROP STRUCTURES SHALL BE ACCORDING TO T-1003.01 (EXTERNAL) AND T-1003.01-2 (INTERNAL).
10. SANITARY MAINTENANCE HOLES SHALL HAVE WATERTIGHT FRAMES AND COVERS IN PONDING AREAS ACCORDING TO OPSD 401.030.
11. REINFORCED CONCRETE PIPE SHALL BE MINIMUM 65-D. HEIGHT OF FILL TO BE VERIFIED USING OPSD TABLES 807.010 AND 807.030.
12. NON-REINFORCED CONCRETE PIPE 150 mm TO 250 mm SHALL BE CLASS 3. HEIGHT OF FILL TO BE VERIFIED USING OPSD TABLE 807.040.
13. SINGLE CATCHBASINS SHALL BE ACCORDING TO T-705.010 COMPLETE WITH GOSS TRAP WHICH ARE TO BE INCLUDED IN ALL NEW CATCHBASIN INSTALLATIONS UNLESS OTHERWISE SPECIFIED ON THE ENGINEERING DRAWING. FRAME AND COVER SHALL BE ACCORDING TO OPSD 400.070.
14. DOUBLE CATCH BASINS SHALL BE ACCORDING TO T-705.020 COMPLETE WITH GOSS TRAP WHICH ARE TO BE INCLUDED IN ALL NEW CATCHBASIN INSTALLATIONS UNLESS OTHERWISE SPECIFIED ON THE ENGINEERING DRAWING.
15. CATCHBASINS LEADS TO BE OVER 250 mm PVC DR 35 FOR SINGLE CATCHBASINS AND 300 mm PVC DR 35 FOR DOUBLE CATCHBASINS.
16. CONNECTION DETAIL FOR SEWER PIPE AT CATCHBASINS AND MAINTENANCE HOLES SHALL BE ACCORDING TO T-708.020.

GRADING & ROAD / PAVEMENTS:

- 1. ALL AREA GRADING AND RESULTING DRAINAGE PATTERNS SHALL NOT ADVERSELY AFFECT ADJACENT LANDS.
2. THE STORM DRAINAGE SHALL BE SELF CONTAINED WITHIN THE SUBJECT PROPERTY UNTIL IT CAN BE DISCHARGED, REUSED, INFILTRATED AND/OR EVAPOTRANSPIRED IN A MANNER ACCEPTABLE TO THE CITY.
3. MAXIMUM ACCEPTABLE SLOPE 3 PARTS HORIZONTAL TO 1 PART VERTICAL.
4. NO ALTERATIONS TO EXISTING BOUNDARY ELEVATIONS OR ADJACENT LANDS SHALL BE UNDERTAKEN UNLESS WRITTEN AGREEMENT WITH THE ADJACENT PROPERTY OWNER IS OBTAINED AND SUBMITTED IN A FORMAT ACCEPTABLE TO THE CITY.
5. RETAINING WALLS SHALL BE CONSTRUCTED ENTIRELY ON THE UPPER PROPERTY SO THAT TIE BACKS (IF REQUIRED) DO NOT CROSS PROPERTY BOUNDARIES.
6. MAXIMUM PONDING DEPTH 0.3M.
7. PROPOSED SPOT ELEVATIONS SHOWN ARE ON ASPHALT, LANDSCAPE OR CONCRETE AREAS. UNLESS OTHERWISE NOTED TOP OF CURB ELEVATIONS ARE 0.15M ABOVE ASPHALT ELEVATIONS EXCEPT AT CURB DEPRESSIONS AND WHEEL CHAIR RAMPS.
8. WHERE NEW ASPHALT MATCHES EXISTING ASPHALT, GRIND EXISTING ASPHALT A MINIMUM OF 300MM WIDE AND 40MM DEEP FOR KEYING. APPLY HOT RUBBER SEALING COMPOUND IN ACCORDANCE WITH OPSS 1212.
9. THE CONCRETE CURB, CONCRETE SIDEWALK (IF APPLICABLE) AND ALL RESTORATION ALONG FRONTING ROADWAYS TO THE SITE MUST BE CONSTRUCTED AND CARRIED OUT IN ACCORDANCE WITH ALL APPLICABLE AND CURRENT CITY OF TORONTO STANDARDS.
CITY OF TORONTO STANDARDS INCLUDE BUT NOT LIMITED TO:
• T-310.050-1 - VEHICLE ENTRANCE IN COMBINED CURB AND SIDEWALK;
• T-310.010-2 - CONCRETE SIDEWALK WITH BOULEVARD;
• T-600.05-1 - CONCRETE CURB AND GUTTER.
10. MINIMUM DRIVEWAY PAVEMENT STRUCTURE THICKNESSES TO BE AS PER OPSS GUIDELINES

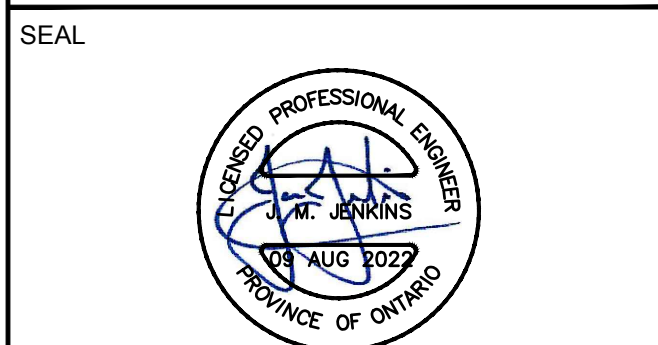


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Toronto ENGINEERING & CONSTRUCTION SERVICES DIVISION
ACCEPTED TO BE IN ACCORDANCE WITH THE CITY OF TORONTO STANDARDS. THIS ACCEPTANCE IS NOT TO BE CONSTRUED AS VERIFICATION OF ENGINEERING CONTENT.

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PROJECT
3400 DUFFERIN STREET &
8 JANE OSLER BOULEVARD
TORONTO, ONTARIO, M6A 2V1

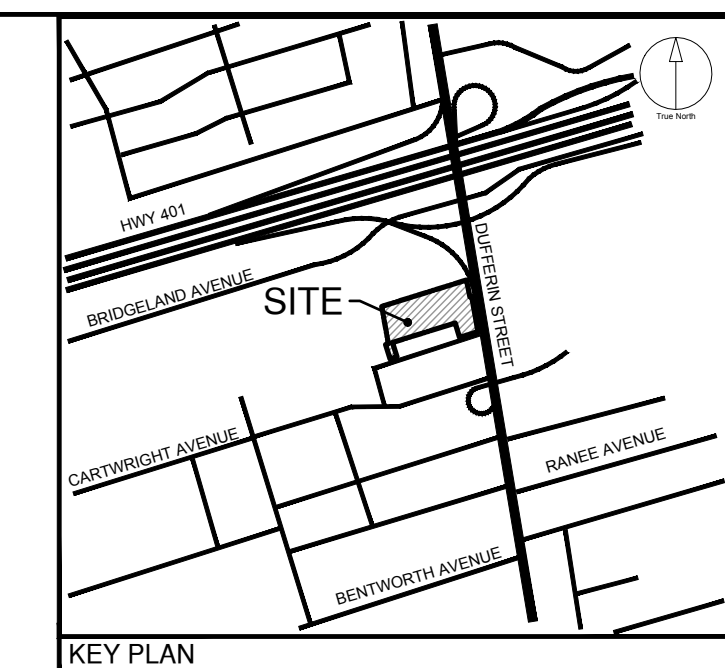
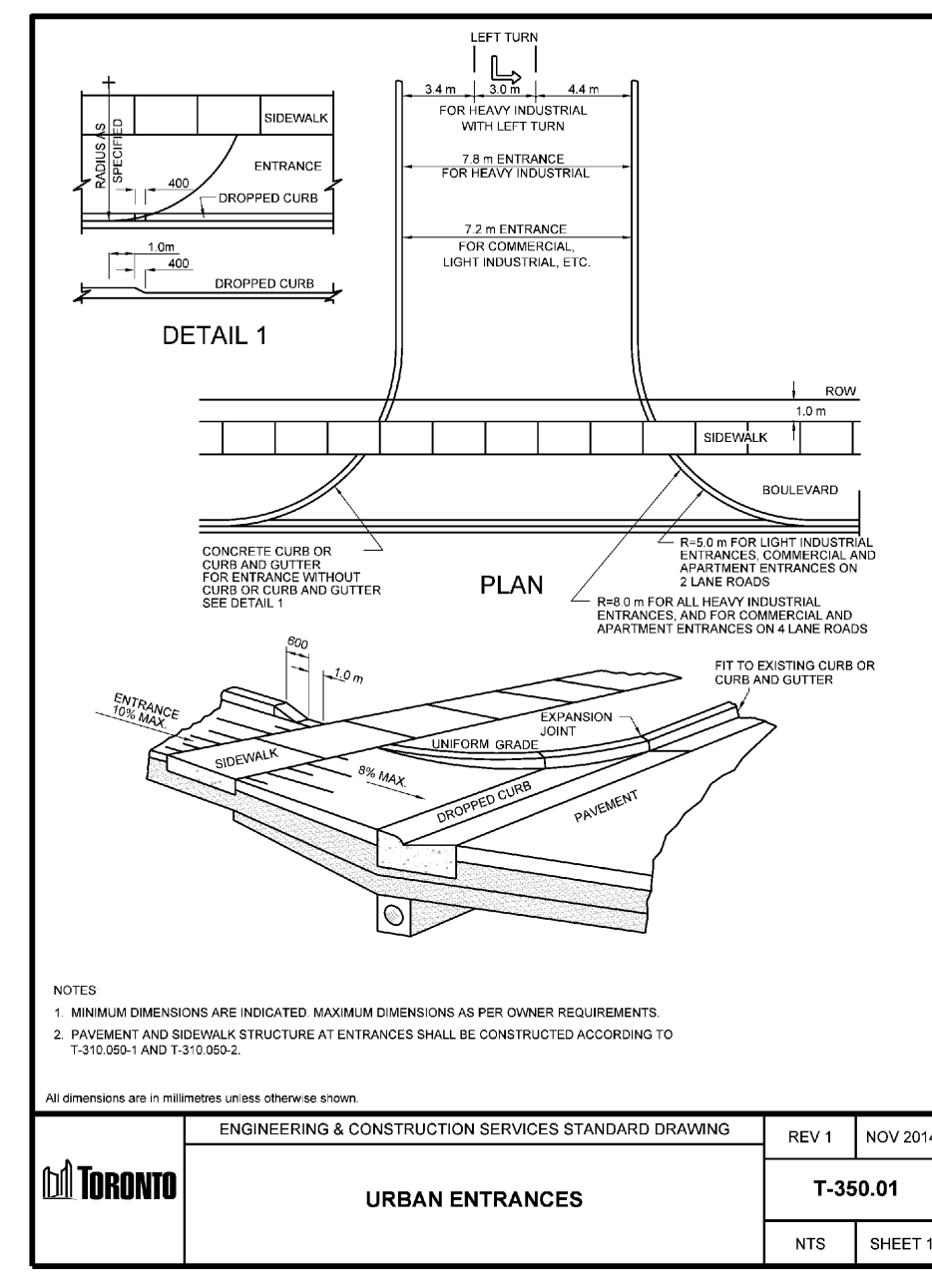
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DRAWN BY: SB CHECKED BY: JJ
PROJECT MGR: JJ APPROVED BY: JJ

SHEET TITLE
GENERAL NOTES & DETAILS

SHEET NUMBER DD-01 ISSUE 01

LIST OF DRAWINGS table with columns: No., Description, Date. Includes SITE PLAN INFORMATION and SURVEYOR INFORMATION. Includes BENCHMARK INFORMATION and SCALE: 1:800.

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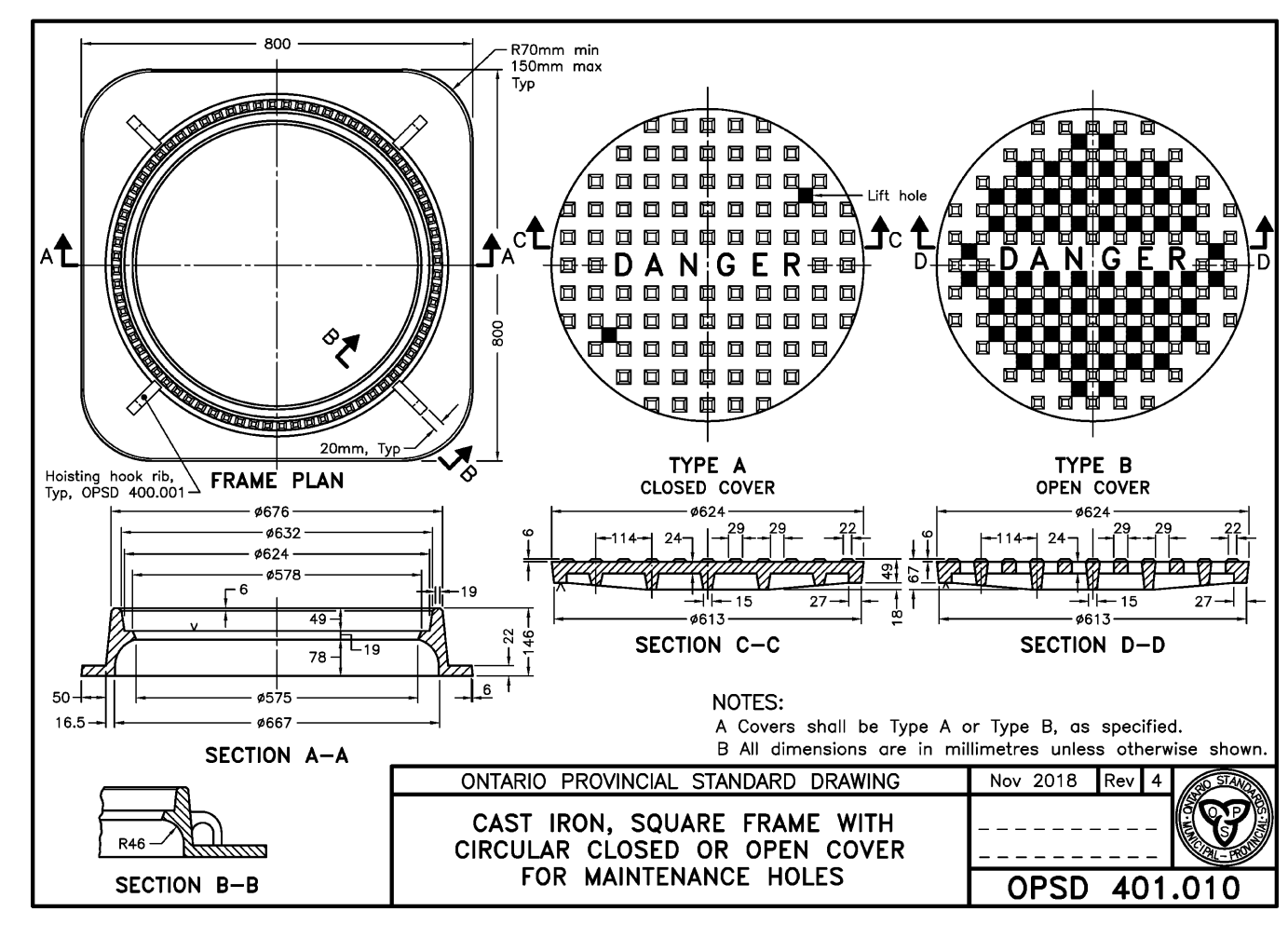
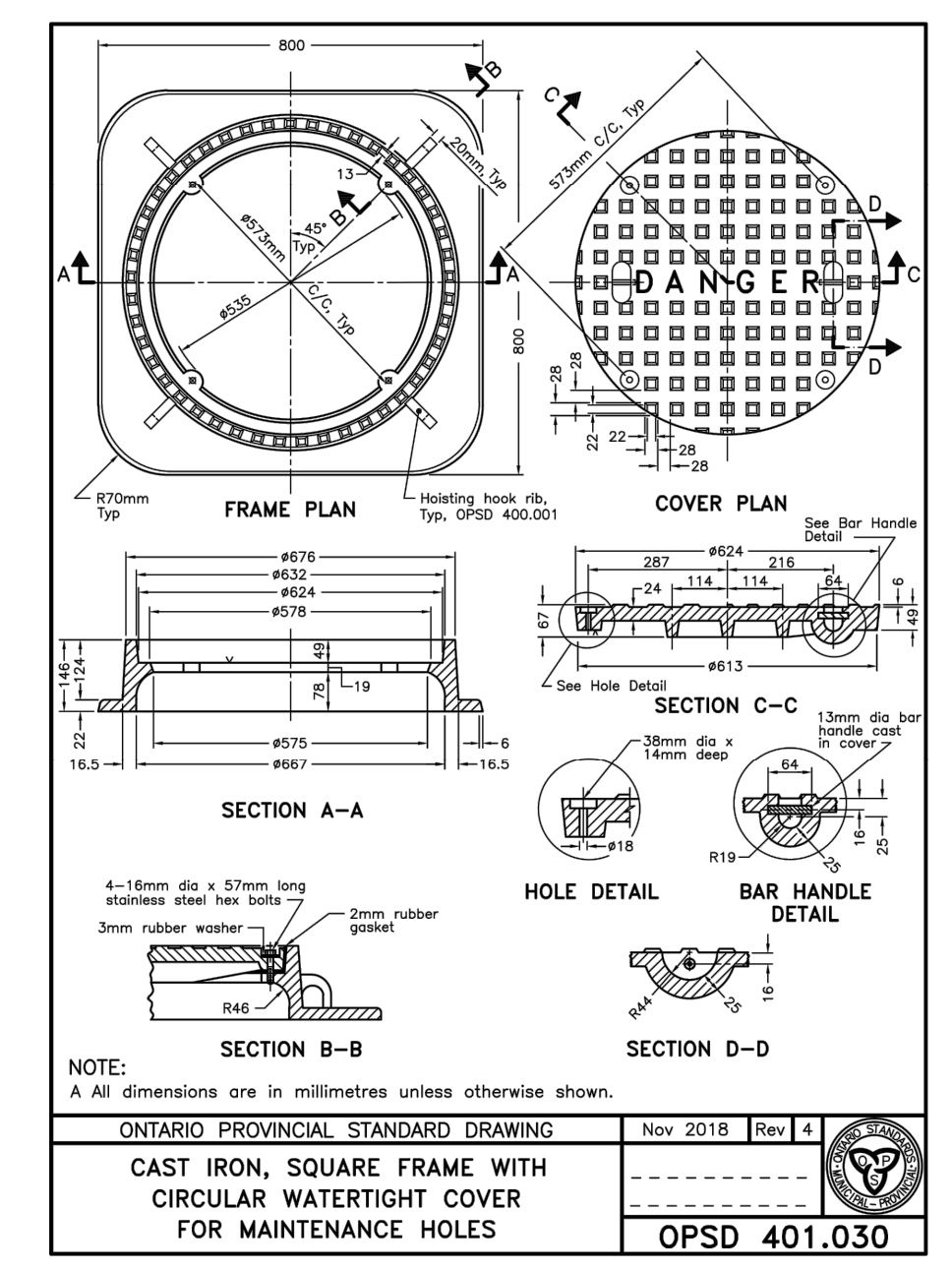
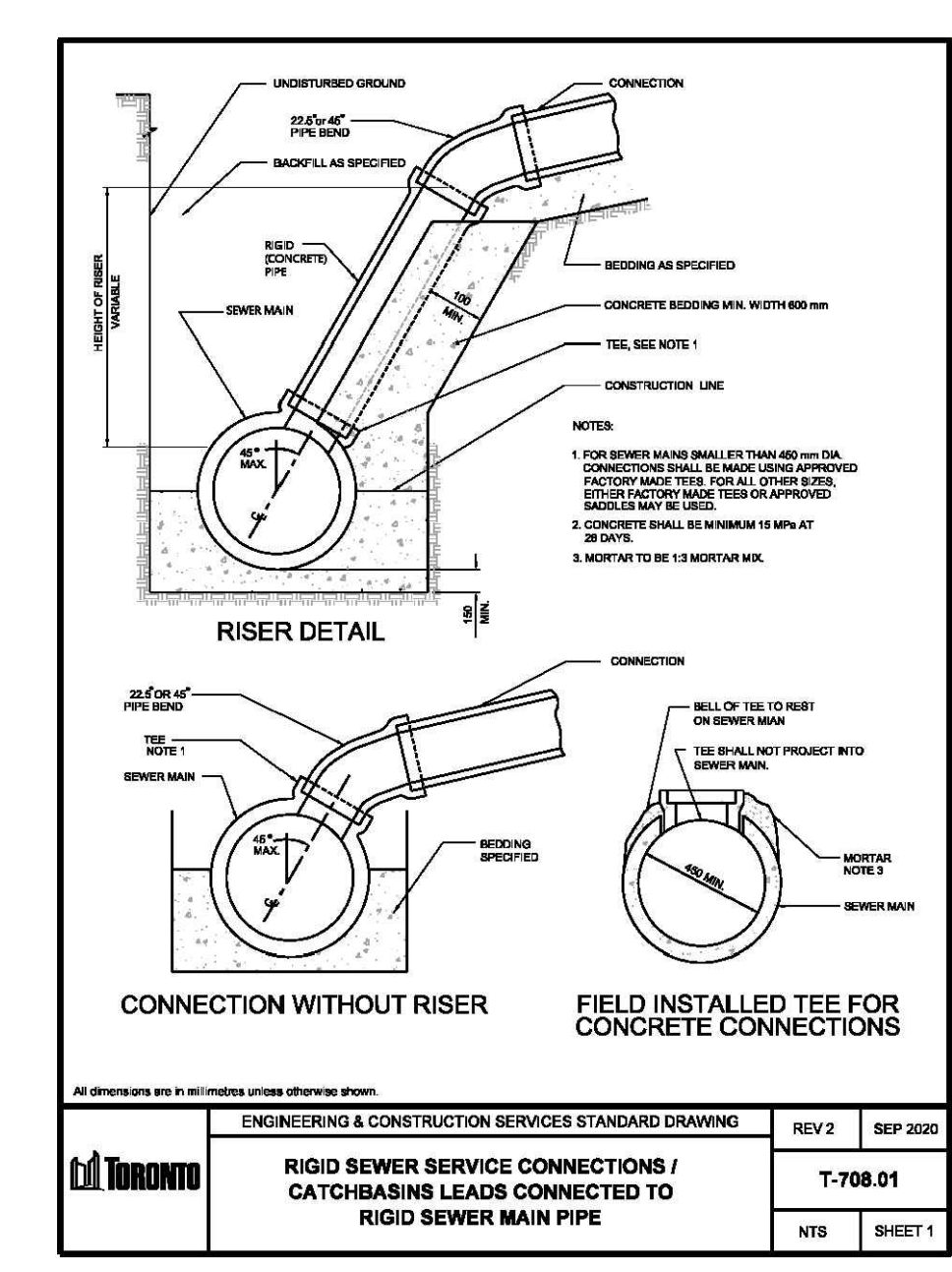
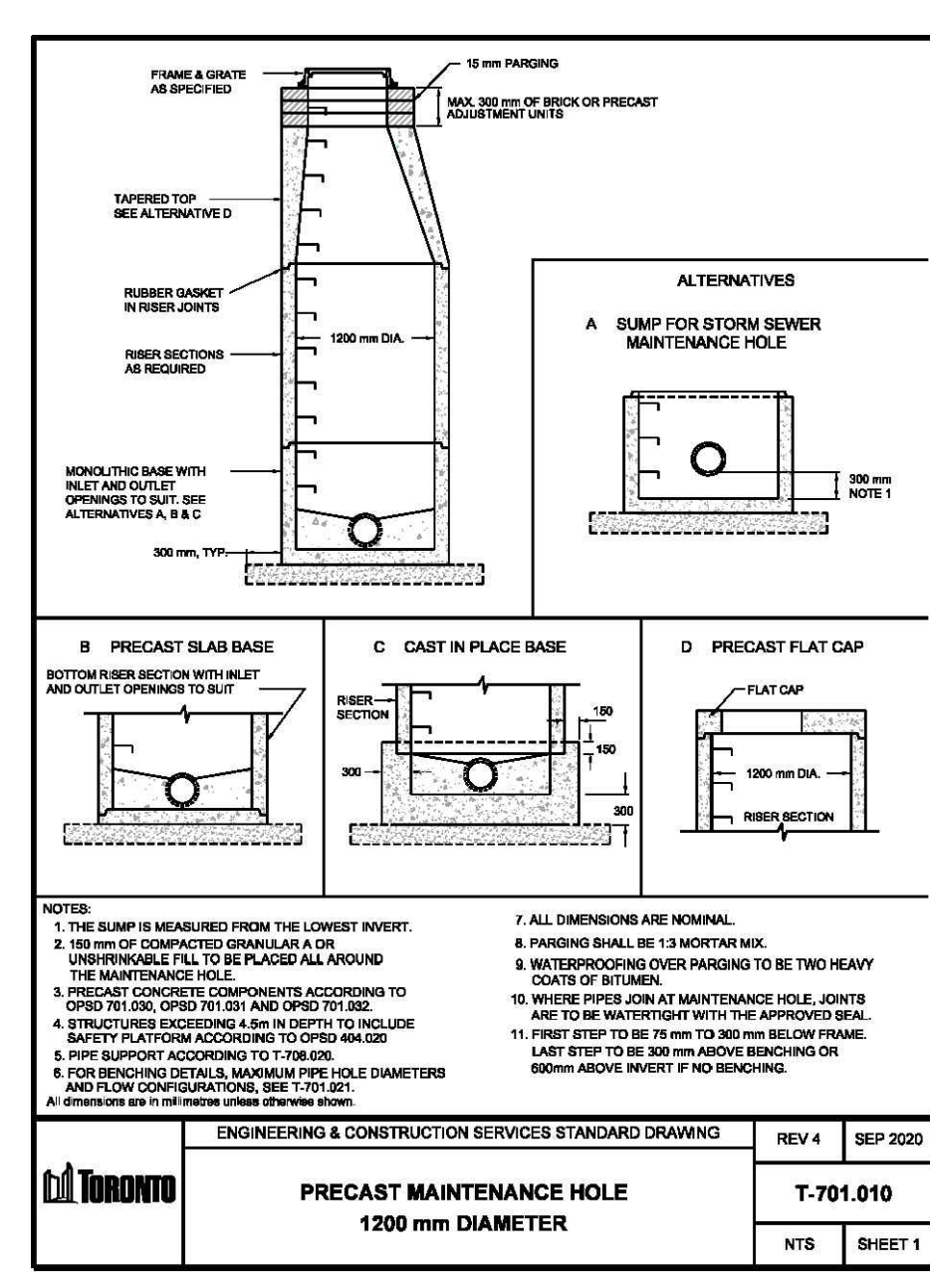
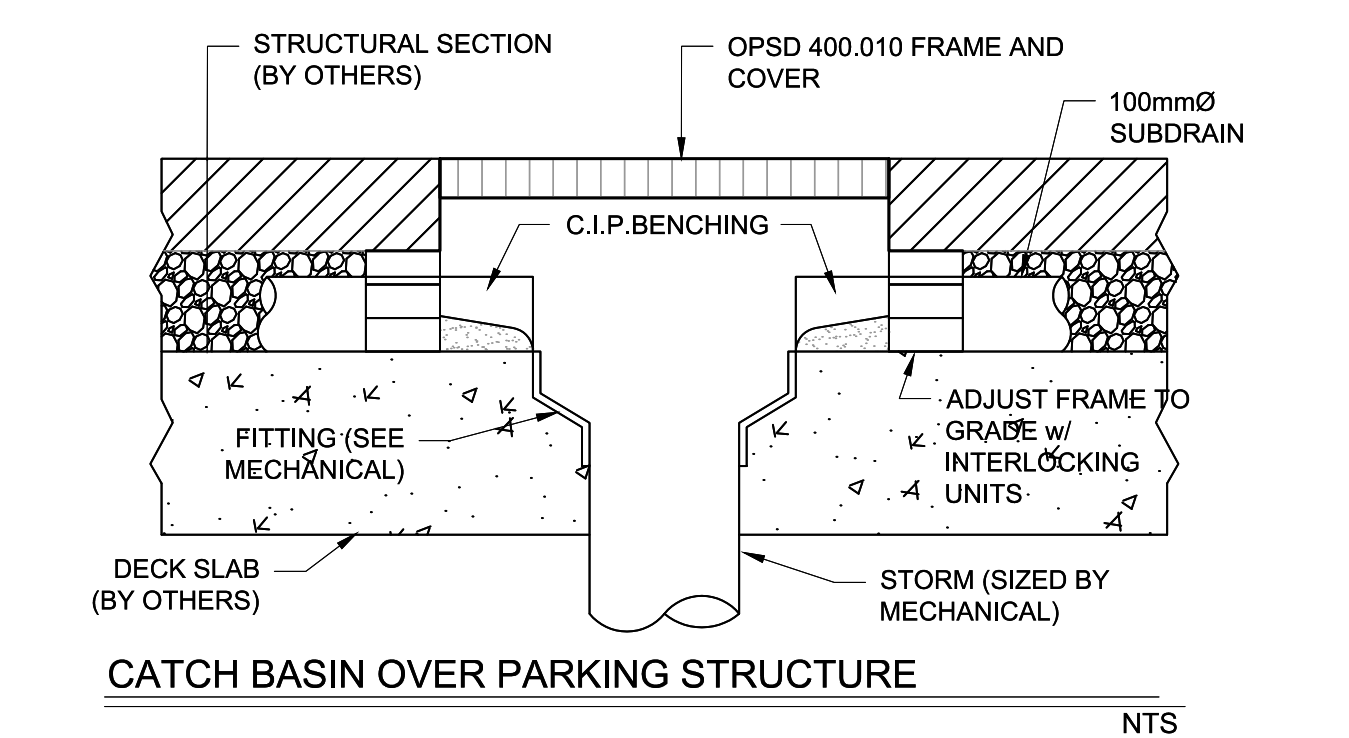
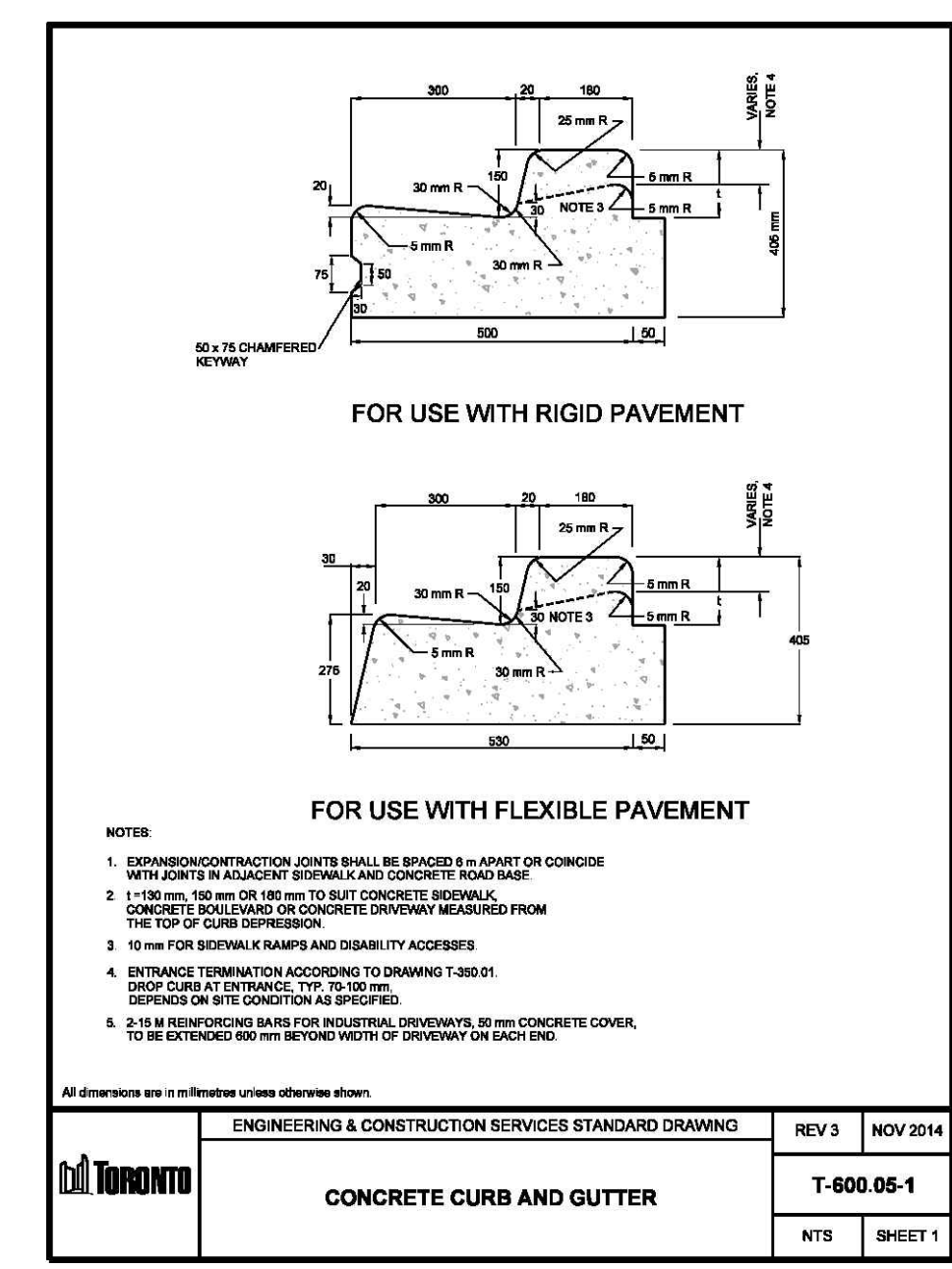
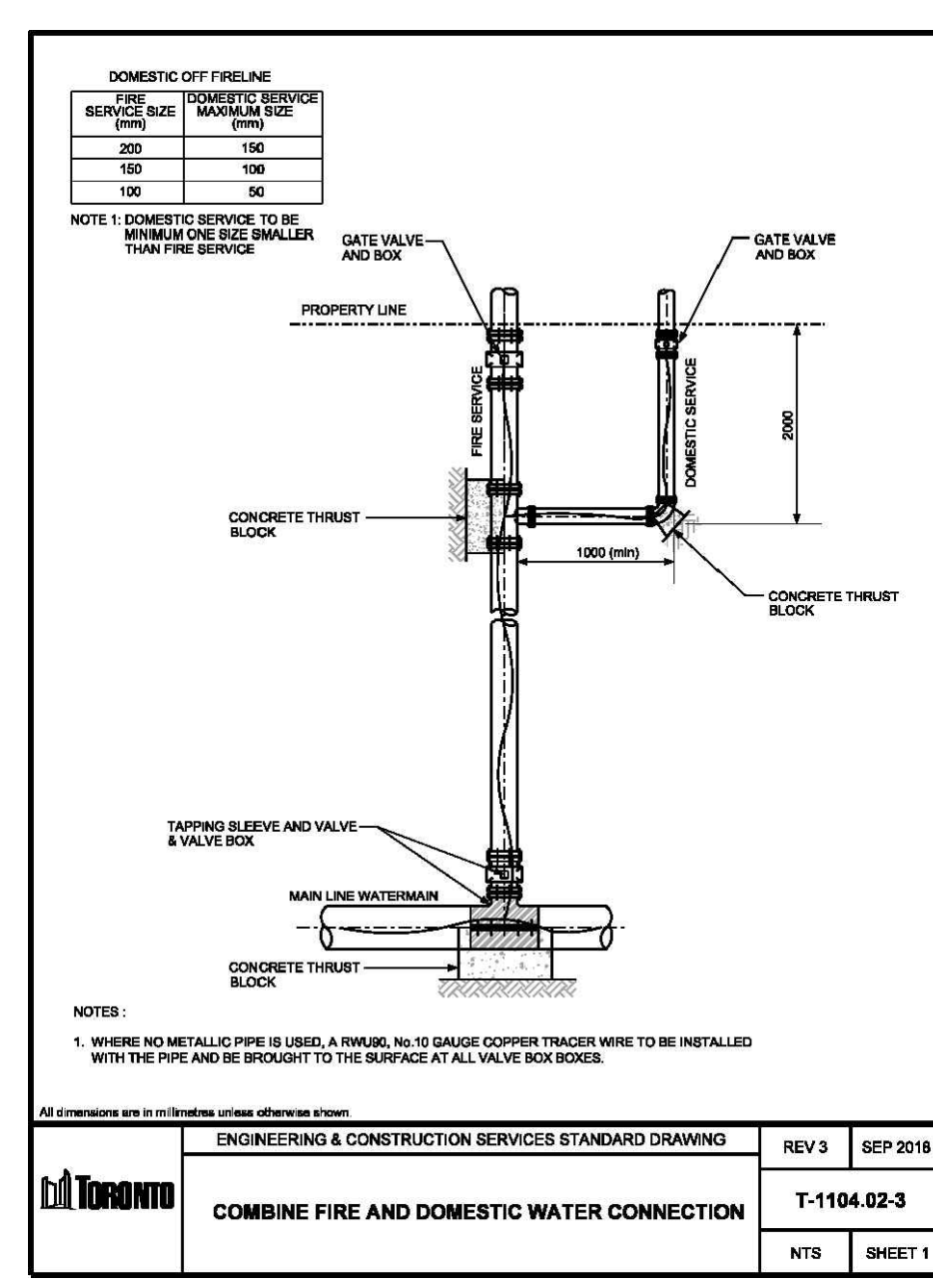
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LIST OF DRAWINGS

NO.	DESCRIPTION	DATE
SD-01	SITE GRADING PLAN	XS-01 - CROSS SECTIONS
SD-02	SITE GRADING PLAN	XS-02 - CROSS SECTIONS
SD-03	SITE GRADING PLAN	XS-03 - CROSS SECTIONS
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SD-71	SITE GRADING PLAN	XS-71 - CROSS SECTIONS
SD-72	SITE GRADING PLAN	XS-72 - CROSS SECTIONS
SD-73	SITE GRADING PLAN	XS-73 - CROSS SECTIONS
SD-74	SITE GRADING PLAN	XS-74 - CROSS SECTIONS
SD-75	SITE GRADING PLAN	XS-75 - CROSS SECTIONS
SD-76	SITE GRADING PLAN	XS-76 - CROSS SECTIONS
SD-77	SITE GRADING PLAN	XS-77 - CROSS SECTIONS
SD-78	SITE GRADING PLAN	XS-78 - CROSS SECTIONS
SD-79	SITE GRADING PLAN	XS-79 - CROSS SECTIONS
SD-80	SITE GRADING PLAN	XS-80 - CROSS SECTIONS
SD-81	SITE GRADING PLAN	XS-81 - CROSS SECTIONS
SD-82	SITE GRADING PLAN	XS-82 - CROSS SECTIONS
SD-83	SITE GRADING PLAN	XS-83 - CROSS SECTIONS
SD-84	SITE GRADING PLAN	XS-84 - CROSS SECTIONS
SD-85	SITE GRADING PLAN	XS-85 - CROSS SECTIONS
SD-86	SITE GRADING PLAN	XS-86 - CROSS SECTIONS
SD-87	SITE GRADING PLAN	XS-87 - CROSS SECTIONS
SD-88	SITE GRADING PLAN	XS-88 - CROSS SECTIONS
SD-89	SITE GRADING PLAN	XS-89 - CROSS SECTIONS
SD-90	SITE GRADING PLAN	XS-90 - CROSS SECTIONS
SD-91	SITE GRADING PLAN	XS-91 - CROSS SECTIONS
SD-92	SITE GRADING PLAN	XS-92 - CROSS SECTIONS
SD-93	SITE GRADING PLAN	XS-93 - CROSS SECTIONS
SD-94	SITE GRADING PLAN	XS-94 - CROSS SECTIONS
SD-95	SITE GRADING PLAN	XS-95 - CROSS SECTIONS
SD-96	SITE GRADING PLAN	XS-96 - CROSS SECTIONS
SD-97	SITE GRADING PLAN	XS-97 - CROSS SECTIONS
SD-98	SITE GRADING PLAN	XS-98 - CROSS SECTIONS
SD-99	SITE GRADING PLAN	XS-99 - CROSS SECTIONS
SD-100	SITE GRADING PLAN	XS-100 - CROSS SECTIONS

BENCHMARK INFORMATION:
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO THE CITY OF TORONTO BENCHMARK NO. 1231961816, HAVING AN ELEVATION = 190.109 METRES.

SCALE: 1:800

1:100 1:200 1:250 1:300 1:400 1:500

PROJECT NO:
139570

PROJECT MGR:
JJ

CHECKED BY:
JJ

APPROVED BY:
JJ

SHEET TITLE
DETAILS DRAWING

SHEET NUMBER
DD-02

ISSUE
01

File Location: I:\139570_3400Dufferin\0_Production\7_03_Design\04_Civil\Sheet\SPA\139570-SHT-DTL.dwg
Last Saved: July 28, 2022, by shirley.baudean
Plotted: Tuesday, August 9, 2022 9:24:45 AM by Shirley Baudean