

Transmittal

To: Gay Group of Companies **Project No.:** 26018
Address: 55 King Street East, **Date:** September 18, 2026
 Bowmanville, ON L1C 1N4
Attention: Lawson Gay
Project Name: Bowmanville Health Centre
 CT & Radiology Clinic 4 Storey Building Expansion

For your:	☐ Approval	Via:	☐ Mail
	☒ Distribution		☐ Courier
	☐ Information and use		☐ By hand
	☐ Review and comment		☐ To be picked up
Action taken:	☐ Reviewed		☐ Fax
	☐ Reviewed as noted		☒ E-mail
	☐ Revise and resubmit		
	☐ Not reviewed		

Qty.:	Drawing No.:	Issue No.:	Revision No.:	Description:
1	Copy	-	-	Addendum 1 dated September 18, 2026

CC:

Jay Topuzlar, Gay Group of Companies
 Henry Gay, Gay Group of Companies
 Ali Aurangozeb, Barry Bryan Associates
 Nick Swerdfeger, Barry Bryan Associates
 Sarah Jaagumagi, Barry Bryan Associates
 Nick Swerdfeger, Barry Bryan Associates
 Nicole Andal, Barry Bryan Associates
 Mark Stewart, Barry Bryan Associates
 Lagitha Sivakumaran, Bowmanville Health
 Colin Flamminio, D.G. Biddle

Shivanie Motielal

Project No: 26018

Date: September 18, 2026

Tender No: _____

Project: Bowmanville Health Centre
CT & Radiology Clinic 4 Storey
Building Expansion

The following information supplements and/or supersedes the bid documents issued on September 08, 2026.

This Addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject bidder to disqualification.

DRAWINGS

1.1 DRAWING NO. S203, S204, S205 (reissued)

.1 See as clouded.

1.2 DRAWING NO. SKS-01

.1 Floor edge section detail at Level 2, for the brick wall location along Gridline (GL) D, Cx, B and A.

1.3 Markup and reference documents from Civil Construction

QUESTIONS AND ANSWERS

- 1.4 Question: The 2nd floor plan, S203 – Bowmanville Health Centre, along line D shows sections 1, 2 and 3/S503. Sections 1 and 2/S503 show a bent plate for brick support. Section 3/S503 shows angle behind the glazing. Drawing A203 gives dimensions for both the glazing and brick locations. These are not continuous as is inferred on S203. Where the glazing is from grid to back of angle is 180 – see 11/A420, attached.
Where the brick is from grid to back of angle is 194 on architectural drawings according to wall type W2. The structural sections shows 295 – this needs to be verified which is correct.
If we keep the trim angle at 180, the bent plate can be welded onto it where the brick is. This will keep the slab edge in a straight line.
It would appear that this applies all around the 2nd floor.
Let me know how you want this done in order to give a more accurate quote.

Answer: ***To simplify the floor edge at Level 2 along GL D, Cx, B and A, floor edge to be 180 away from GL (in both spandrel panel and brick location) and attached detail sketch (SKS-01) to be implemented at brick wall locations.***

Addendum No. 1

Page 2 of 3

The slab edges along GL 1, 2, 3, 4 and 5 stay as detailed in the original package.

- 1.5 Question: Please confirm the size of beam is W530x82 online D / 1 to 2, also Line D / 3 to 4. This applies from 2nd to 4th floors.

Answer: ***Yes, the size of beam is W530x82 online D / 1 to 2, also Line D / 3 to 4. This applies from 2nd to 4th floors. Refer to updated drawing sheet- S203, S204, S205***

- 1.6 Question: Please confirm if the existing type of pipe that the sanitary sewer within Saint George St, N. noted to cut-In 375 x150mm dia. tee is?

Answer: ***(From Civil Consultant) There is no publicly available record of the existing sanitary sewer material. Contractor to verify material ahead of construction.***

- 1.7 Question: Please confirm if the existing type of pipe that the watermain within Saint George St, N. noted to cut-In 150 x150mm dia. tee, I and to in order lower watermain to install sanitary?

Answer: ***(From Civil Consultant) Based on the record drawings (attached) the watermain is 150mm PVC, and yes, the watermain is conflicting with the sanitary connection. Watermain to be deflected per RMD Std. S-200.070 (attached).***

- 1.8 Question: There is a 150mm Subdrain specified around the perimeter of the StormTech SC-800 to be installed at an elevation of 91.45 but the outlet to existing ST-6 is noted as 91.60, please provide connection detail and confirm that this is intended to remain submerged ie. 150mm below the outlet elevation?

Answer: ***(From Civil Consultant) The 150 mm subdrain is intended to drain the base stone beneath the StormTech SC-800 system to existing MH ST-6 and shall be independent of the storm pipe connection. The subdrain is to be cored into the existing MH ST-6. The base stone will drain based on the east outlet elevation of the existing MH (EL. 91.43), rather than the noted storm pipe outlet elevation of EL. 91.60. All connections shall be parged water-tight.***

We are assuming the existing STM MH is benched. Rather than re-benching the MH, we recommend breaking out the existing benching, cleaning and parging the base of the MH, and maintaining a sump to allow the subdrain to discharge and drain the base stone. Accordingly, the subdrain is intended to remain below the storm pipe outlet from the stormtech and will discharge to the sump within the existing MH.

- 1.9 Question: King St. & the Entranceway construction is noted as 300mm depth of Granular B, 150mm depth of Granular A, 50mm depth of HL8 & 40mm of HL3 asphalt, please confirm the interior asphalt area is to be constructed to same depths?

Answer: ***(From Civil Consultant) Please utilize the same road makeup as noted for the entrance.***

Addendum No. 1

Page 3 of 3

1.10 Question: Please see attached regarding perimeter detail for the 3rd floor on Bowmanville Health Centre. Plans indicate that these details are used all around the floor, but do they apply where the brick is as well or only the windows?

Answer: ***Detail 13/S504, 12/S504 will apply only at the window locations.***

End of Addendum No. 1

Yours very truly,

Barry Bryan Associates

Architects, Engineers, Project Managers



Ali Aurangozeb, Architect OAA

DM/sm

Attachments:	26018 SKS-01	(1 Pages)
	26018 S203, S204, S205	(3 Pages)
	ChurchStGeorgeBinder - WM as-built	(8 Pages)
	125807-20260918-SS-1 Markup for contractor	(1 page)
	s-200070	(1 page)

I/We hereby acknowledge receipt of this Addendum.

Signature (signing officer of firm)

Position

Name of Firm

One copy of the addendum must be signed and returned with the completed tender, or the tender submitted shall be rejected.

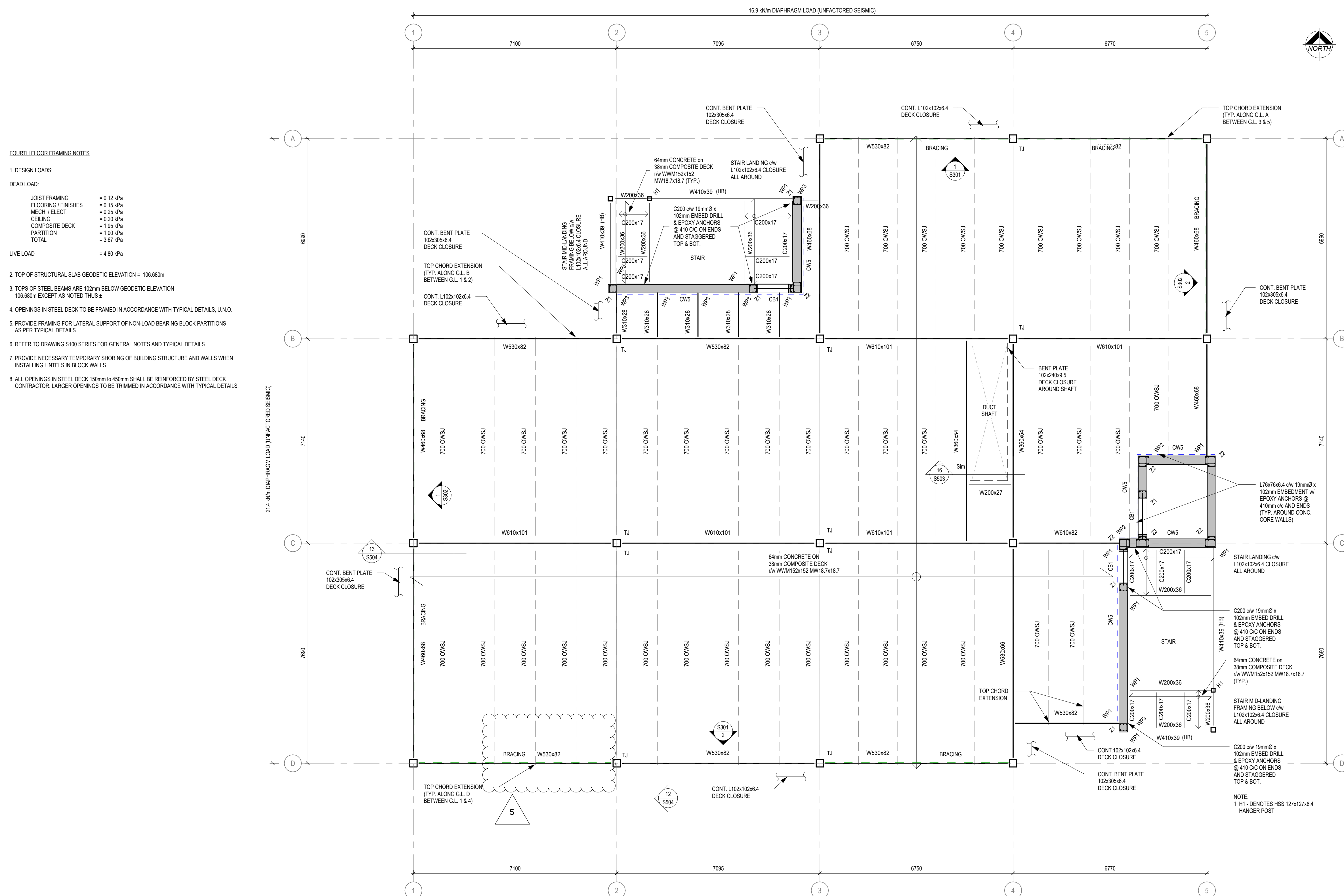
DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL SIGNED
AND SEALED BY THE CONSULTANT.

NO.	ISSUES	DATE	BY
1	ISSUED FOR 50% REVIEW	AUG. 04, 2026	BBA
2	ISSUED FOR 80% REVIEW	AUG. 14, 2026	BBA
3	ISSUED FOR BUILDING PERMIT	AUG. 28, 2026	BBA
4	ISSUED FOR STRUCTURAL TENDER	AUG. 28, 2026	BBA
5	ADDENDUM-1	SEP. 18, 2027	BBA

26019

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AND SEALED BY THE CONSULTANT.

NO.	ISSUES	DATE	BY
1	ISSUED FOR 50% REVIEW	AUG. 04, 2026	BBA
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5	ADDENDUM-1	SEP. 18, 2027	BBA



1
S205

4th FLOOR FRAMING PLAN

1:75

1:75

BBA
BARRY BRYAN ASSOCIATES

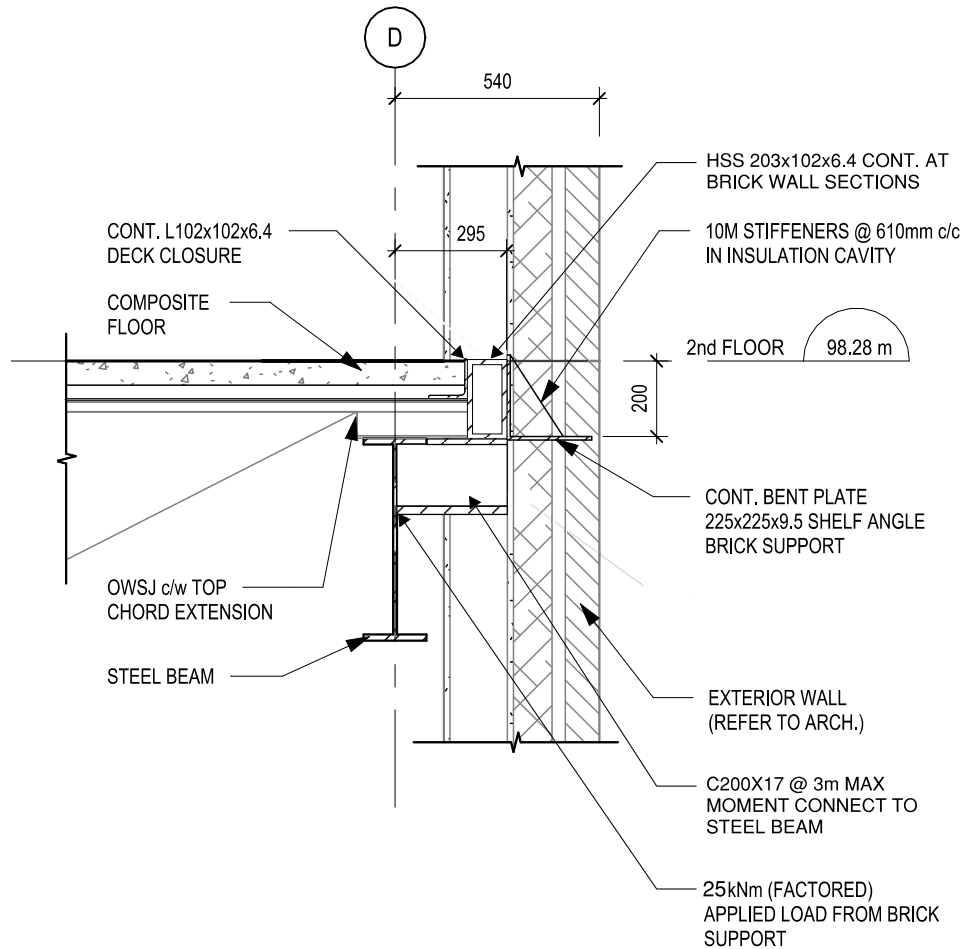
PROJECT:
**Bowmanville Health Centre
CT & Radiology Clinic 4
Storey Building Expansion**

222 King Street East ,
Bowmanville, ON

DRAWING:
**4th FLOOR FRAMING
PLAN**

DESIGN BY:	SEAL:
<u>MS</u>	
DRAWN BY:	
<u>DP</u>	
CHECKED BY:	
<u>SJ</u>	
DATE:	
<u>07/30/26</u>	
SCALE:	
<u>As indicated</u>	
PROJECT NO:	DRAWING NO:

PROJECT NO:	DRAWING NO:
26018	S205



PROJECT:
BOWMANVILLE
HEALTH - CT SCAN
BLDG ADDITION

DRAWING:
SLAB EDGE DETAIL FOR
BRICK WALL SUPPORT

DO NOT SCALE THE DRAWINGS
CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

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CHECKED BY: SJ

DATE: 26-09-18

SCALE: N.T.S.

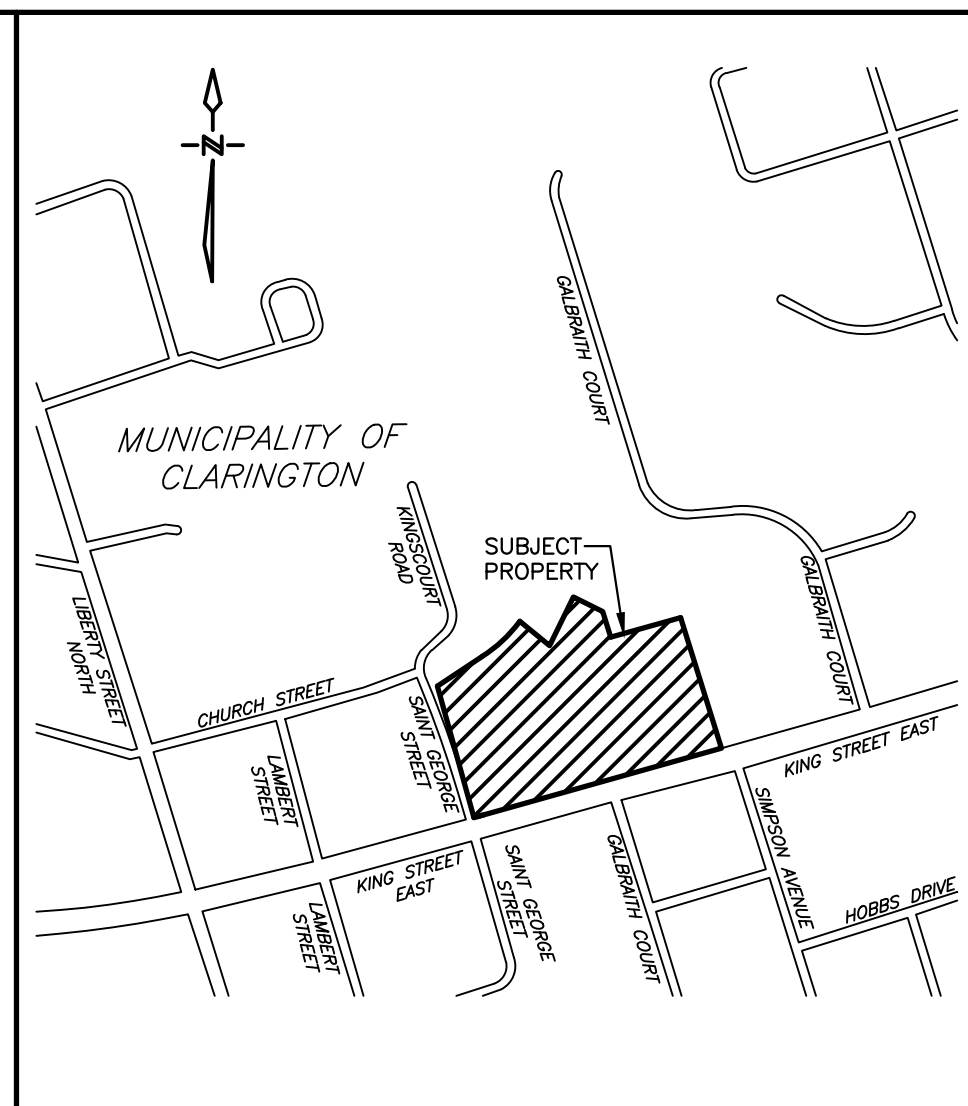
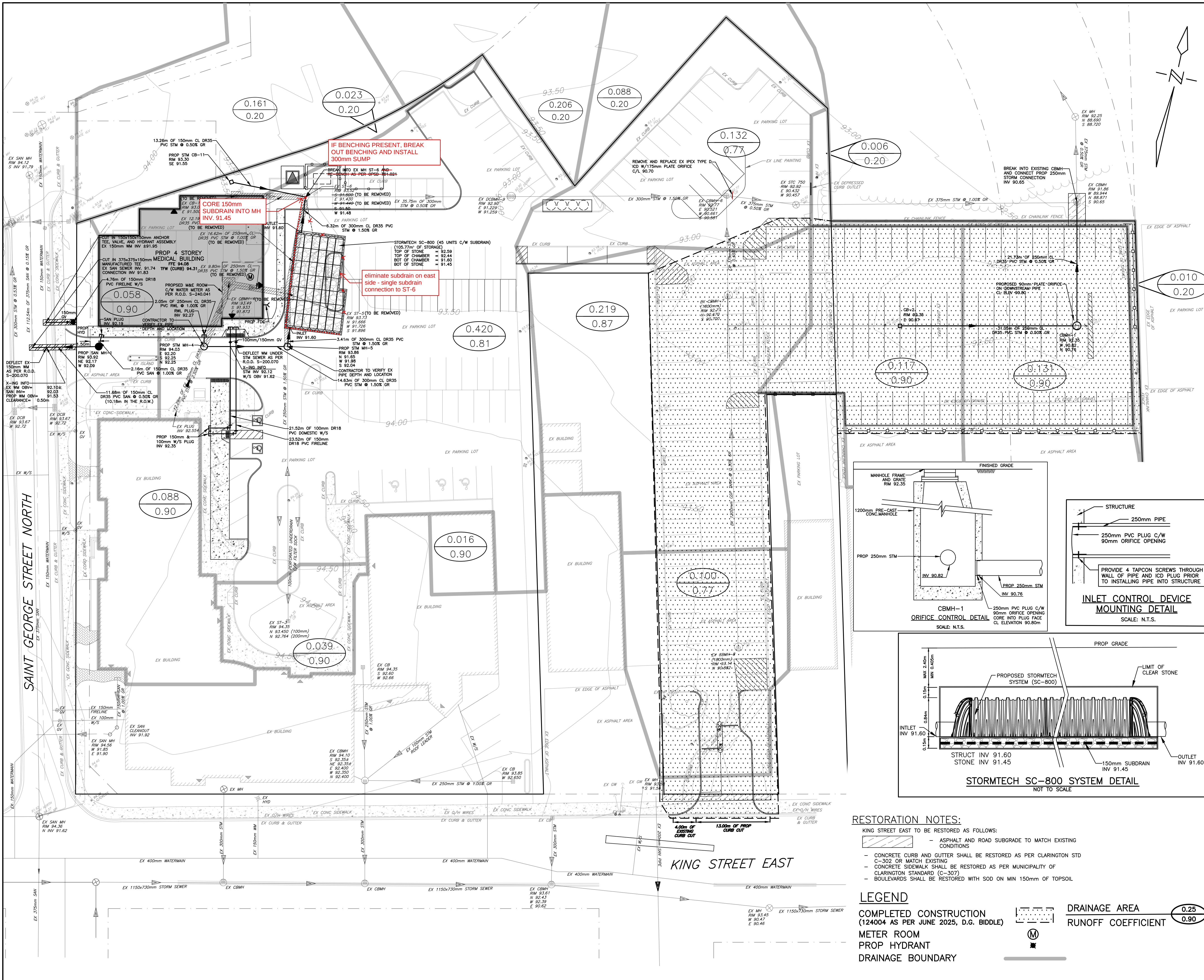
PROJECT NO:

26018

BBA
BARRY BRYAN ASSOCIATES

DRAWING NO:

SKS-01



BENCH MARK
TOPOGRAPHIC SURVEY PREPARED BY D.G. BIDDLE & ASSOCIATES. BENCHMARK: BOWMANVILLE - VINCENT MASSEY SCHOOL AT NORTH SIDE OF CHURCH STREET, 0.8km EAST OF POST OFFICE, 60m WEST OF KINGSCOURT ROAD, TABLET IN EAST CONCRETE FOUNDATION WALL, 91cm FROM SOUTHEAST FRONT CORNER, 10cm BELOW BRICK. ELEVATION=95.166m (BENCHMARK #67U032)

SITE SERVICING NOTES

1. A ROAD OCCUPANCY PERMIT WILL BE REQUIRED FOR ANY WORKS WITHIN THE MUNICIPAL RIGHT OF WAY.
2. ALL WORKS OR RESTORATION WITHIN THE MUNICIPAL RIGHT OF WAY SHALL BE COMPLETED AS PER MUNICIPALITY'S FIELD STAFF DIRECTION.
3. THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND SERVICES TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. CONCERNED UTILITIES TO BE GIVEN ADVANCED NOTICE FOR STAKE OUT. THE CONSULTANT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITIES SHOWN ON THE DRAWINGS.
4. QUANTITIES, DIMENSIONS AND ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR COMMENCING CONSTRUCTION.
5. ALL SANITARY SEWER AND APPURTENANCES SHALL COMPLY WITH THE REGION OF DURHAM STANDARDS AND THE ONTARIO PLUMBING CODE.
 - SANITARY SEWER SERVICE PIPES, 150mm TO BE CL DR28 PVC PIPE, CL P BEDDING.
 - SANITARY MANHOLES AS PER OPSD 701.010 C/W GRATE AS PER OPSD 401.010
 - ALL TRENCHES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH REGION OF DURHAM STANDARDS.
6. ALL WATER MAINS AND APPURTENANCES SHALL COMPLY WITH THE REGION OF DURHAM STANDARDS AND THE ONTARIO PLUMBING CODE.
 - ALL WATER MAINS SHALL BE CONSTRUCTED A MINIMUM OF 1.80m BELOW FINISHED GRADE
 - ALL TRENCHES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH REGION OF DURHAM STANDARDS
 - 150mm FIRELINE TO BE DR18 PVC PIPE, CL P BEDDING
 - WATER SERVICE PIPES, 50mm TO BE MUNIPEX CROSS LINKED POLYETHYLENE PIPE, CL P BEDDING.
7. ALL STORM SEWERS AND APPURTENANCES SHALL COMPLY WITH THE MUNICIPALITY OF CLARINGTON STANDARDS AND THE ONTARIO PLUMBING CODE.
 - STORM SEWER PIPE 450mm AND SMALLER SHALL BE DR35 PVC PIPE, CL P BEDDING
 - STORM SEWER PIPES LARGER THAN 450mm SHALL BE CL 650 CONCRETE PIPES, CL B BEDDING
 - STORM SEWER MANHOLES AND CATCH BASIN MANHOLES SHALL BE AS PER OPSD 701.010
 - CATCH BASINS SHALL BE AS PER OPSD 705.010
 - MANHOLE GRATES SHALL BE AS PER OPSD 401.010
 - CATCH BASIN GRATES SHALL BE AS PER OPSD 400.020
 - ALL TRENCHES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH OPSD STANDARDS
8. GENERALLY, A MINIMUM OF 0.20m SHALL BE PROVIDED BETWEEN THE OUTSIDE OF PIPE BARRELS AT THE POINT OF CROSSING FOR STORM AND SANITARY SEWERS. A MINIMUM OF 0.50m SHALL BE PROVIDED BETWEEN THE OUTSIDE OF PIPE BARRELS AT THE POINT OF CROSSING FOR ALL SEWERS CROSSING WATER MAINS.
9. THE PROPOSED ENTRANCE ON KING STREET EAST MUST COMPLY WITH THE MUNICIPALITY OF CLARINGTON STANDARDS AS OUTLINED BELOW.
 - SURFACE ASPHALT - 40mm HL3
 - BASE ASPHALT - 50mm HL8
 - 150mm GRANULAR A
 - 300mm GRANULAR B
 - ENTRANCE WIDTH: 6.0 - 9.0 METRES
 - ENTRANCE RADIUS: 9.0 - 12.0 METRES
 - BARRIER CURB AS PER C-302

PRELIMINARY
NOT FOR CONSTRUCTION

4.	ISSUED FOR FOURTH SUBMISSION	JULY/2026
3.	ISSUED FOR THIRD SUBMISSION	JUNE/2025
2.	ISSUED FOR SECOND SUBMISSION	MAR/2025
1.	ISSUED FOR FIRST SUBMISSION	OCT/2024
NO.	SUBMISSION	DATE

222 KING STREET EAST, BOWMANVILLE

SITE SERVICING PLAN

D.G. BIDDLE & ASSOCIATES
CONSULTING ENGINEERS & PLANNERS
96 King Street East
Oshawa, Ontario, L1H 1B6
Phone: 905-576-8500
info@dgbiddle.com
dgbiddle.com

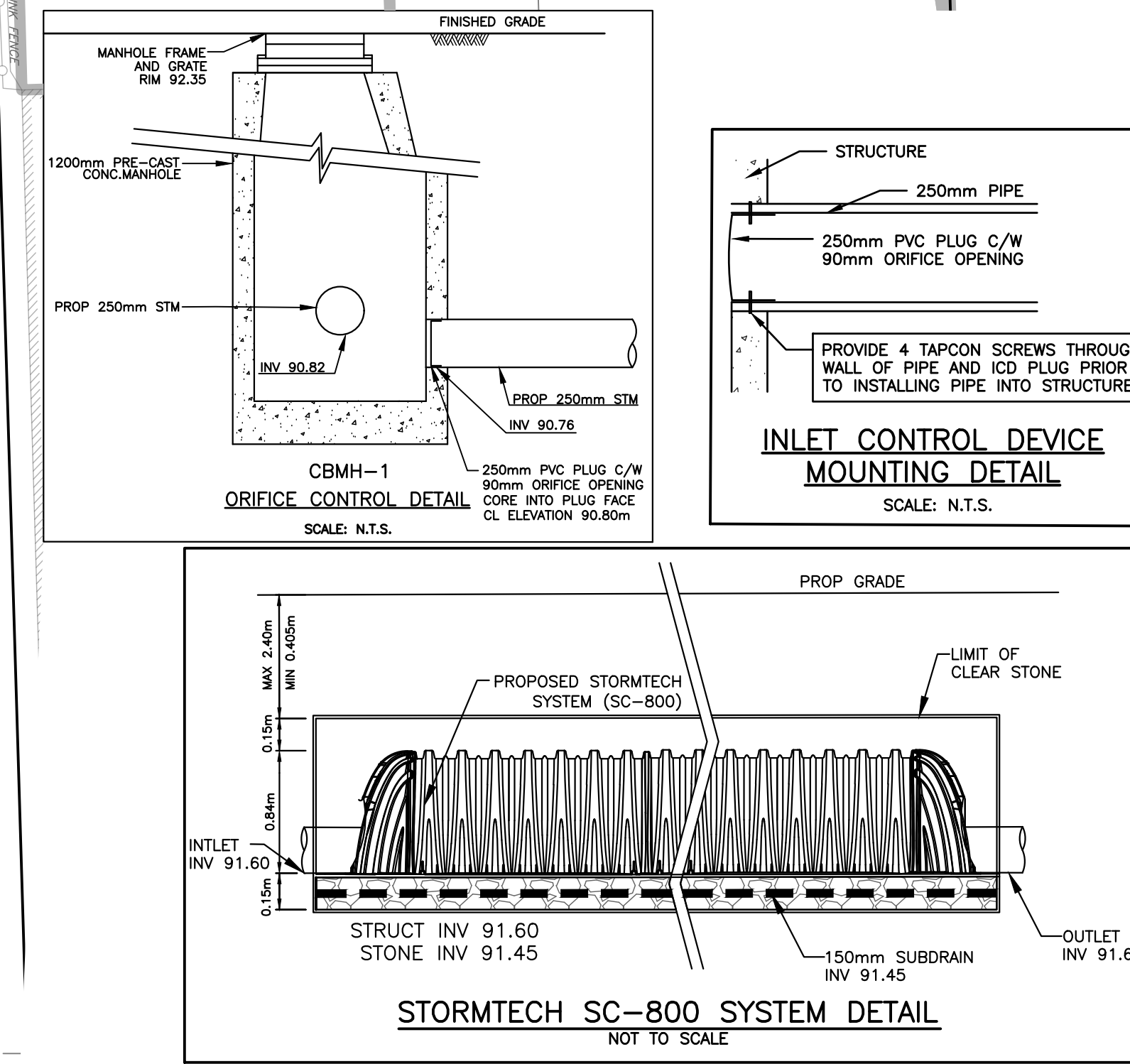
Markup	SCALE: 1:300
DESIGNED BY:	B.K.Y.
CHECKED BY:	C.J.F.
PROJECT NO.:	125807
DRAWING NO.:	SS-1

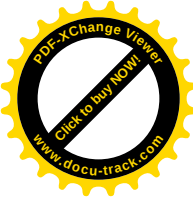
RESTORATION NOTES:
KING STREET EAST TO BE RESTORED AS FOLLOWS:
- ASPHALT AND ROAD SUBGRADE TO MATCH EXISTING CONDITIONS
- CONCRETE CURB AND GUTTER SHALL BE RESTORED AS PER CLARINGTON STD C-302 OR MATCH EXISTING
- CONCRETE SIDEWALK SHALL BE RESTORED AS PER MUNICIPALITY OF CLARINGTON STANDARD (C-307)
- BOULEVARDS SHALL BE RESTORED WITH SOD ON MIN 150mm OF TOPSOIL

LEGEND
COMPLETED CONSTRUCTION
(124004 AS PER JUNE 2025, D.G. BIDDLE)
METER ROOM
PROP HYDRANT
DRAINAGE BOUNDARY

DRAINAGE AREA
RUNOFF COEFFICIENT

0.25
0.90



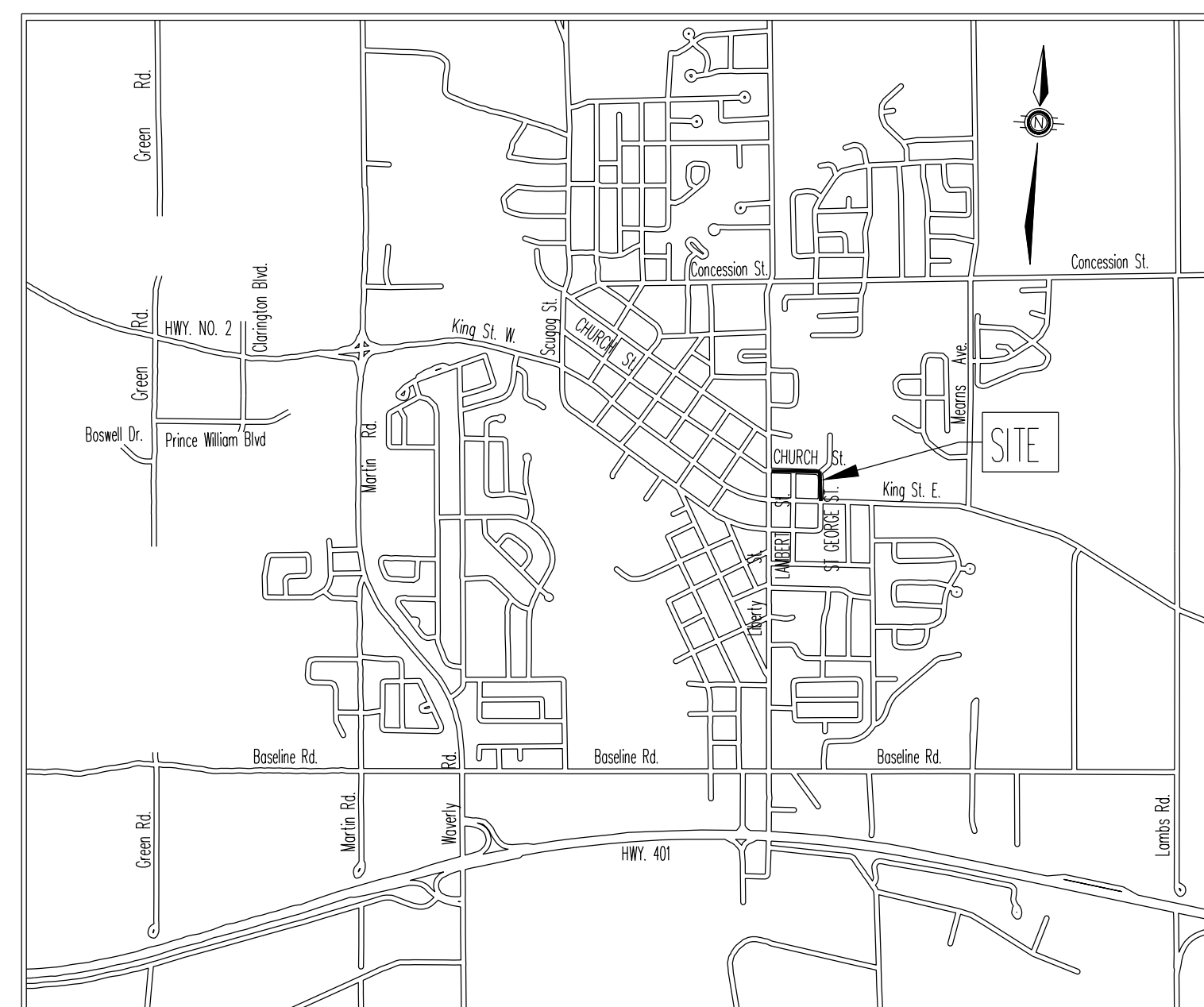


T.S.H. PROJECT No.: 12-29554 PROJECT DATE: Jan 2010

Clarington

Leading the Way

CHURCH STREET & ST. GEORGE STREET RECONSTRUCTION AS RECORDED BOWMANVILLE CONTRACT No. CL2007-22

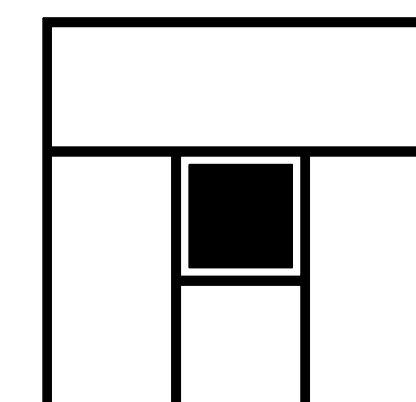


KEY MAP
N.T.S.

INDEX

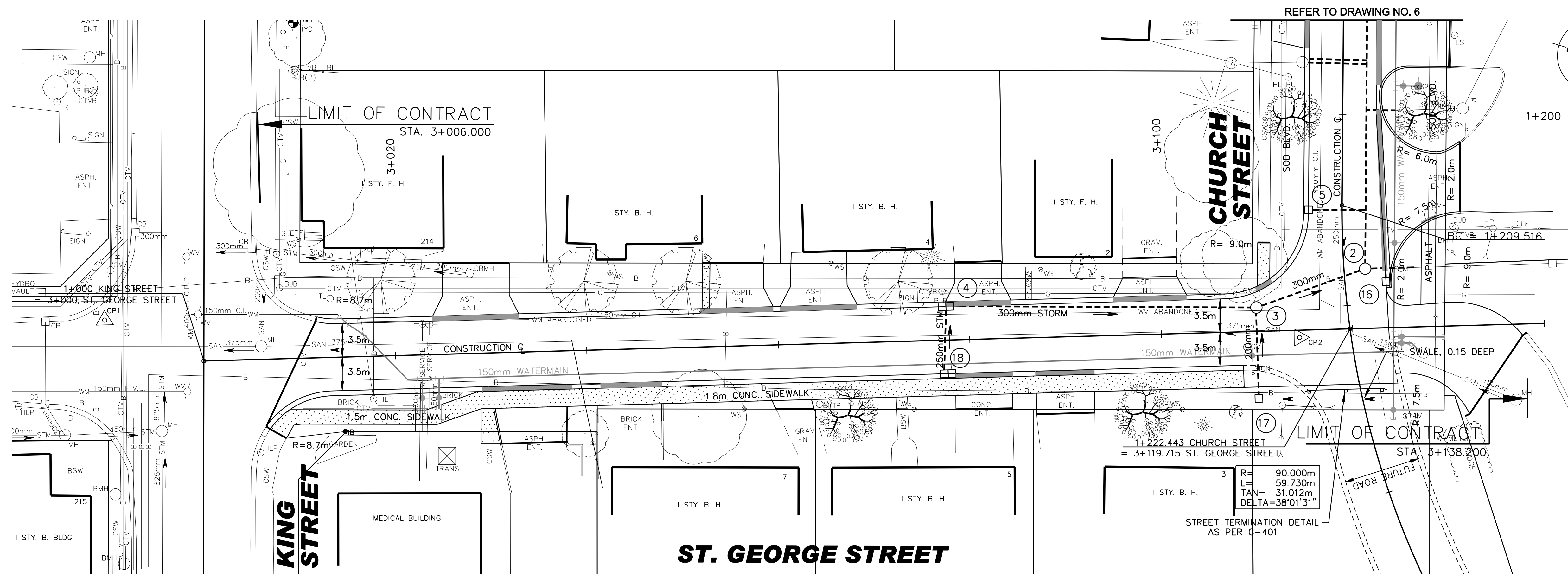
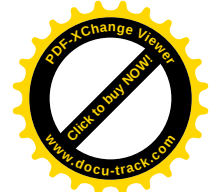
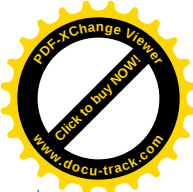
No. DRAWING DESCRIPTION

- TITLE PAGE
- ST. GEORGE STREET
- 01 EXISTING CONDITIONS AND REMOVALS-STA. 3+000 TO 3+140
- 02 PROPOSED STORM SEWER AND ROAD CONSTRUCTION-STA. 3+000 TO 3+140
- CHURCH STREET
- 03 EXISTING CONDITIONS AND REMOVALS-STA. 1+000 TO STA. 1+160
- 04 PROPOSED STORM SEWER AND ROAD CONSTRUCTION-STA. 1+000 TO 1+160
- 05 EXISTING CONDITIONS AND REMOVALS-STA. 1+160 TO STA. 1+240
- 06 PROPOSED STORM SEWER AND ROAD CONSTRUCTION-STA. 1+160 TO 1+240
- 07 TYPICAL SECTIONS, STORM SEWER DATA AND LAMBERT ST. PROFILE
- L1 PROPOSED LANDSCAPE PLAN
- REGION OF DURHAM WORKS
- W-S-1 PROPOSED WATERMAIN - ST. GEORGE STREET- KING STREET TO CHURCH STREET
- W-S-2 PROPOSED WATERMAIN - CHURCH STREET- LIBERTY STREET TO 50m EAST OF LAMBERT STREET
- W-S-3 PROPOSED WATERMAIN - CHURCH STREET- 50m EAST OF LAMBERT STREET TO CHURCH STREET



TSH
engineers
architects
planners

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LEGEND

- STM EXISTING STORM SEWER
- SAN EXISTING SANITARY SEWER
- WM EXISTING WATERMAIN
- G EXISTING GAS MAIN
- B EXISTING BURIED BELL CABLE
- CTV EXISTING BURIED CTV CABLE
- H EXISTING BURIED HYDRO CABLE
- STORM SEWER
- CURB & GUTTER
- DROP CURB
- SIDEWALK
- SOD

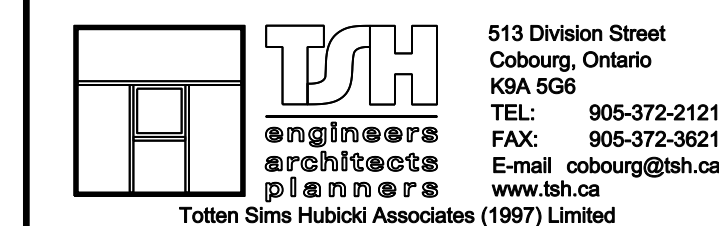
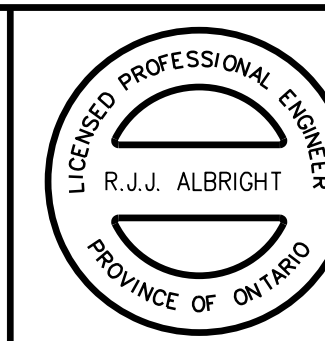
SEE DRAWING NO. 7 FOR TYPICAL SECTIONS AND STORM SEWER DATA
ROAD CURB AS PER STANDARD CURB AND GUTTER C-302
INSTITUTIONAL AND COMMERCIAL ENTRANCE CURB TO BE BARRIER CURB C-302

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED.

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3	01/27/10	A.O.B.	AS RECORDED DETAILS ADDED
2	06/25/07	P.M.	ISSUED FOR CONSTRUCTION
1	05/18/07	P.M.	ISSUED FOR TENDER

No.	DATE	BY	ISSUES / REVISIONS
-----	------	----	--------------------



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CLIENT:

Clarington
Leading the Way

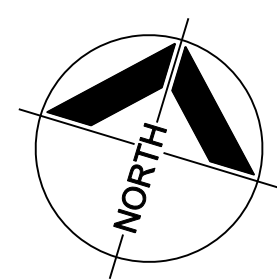
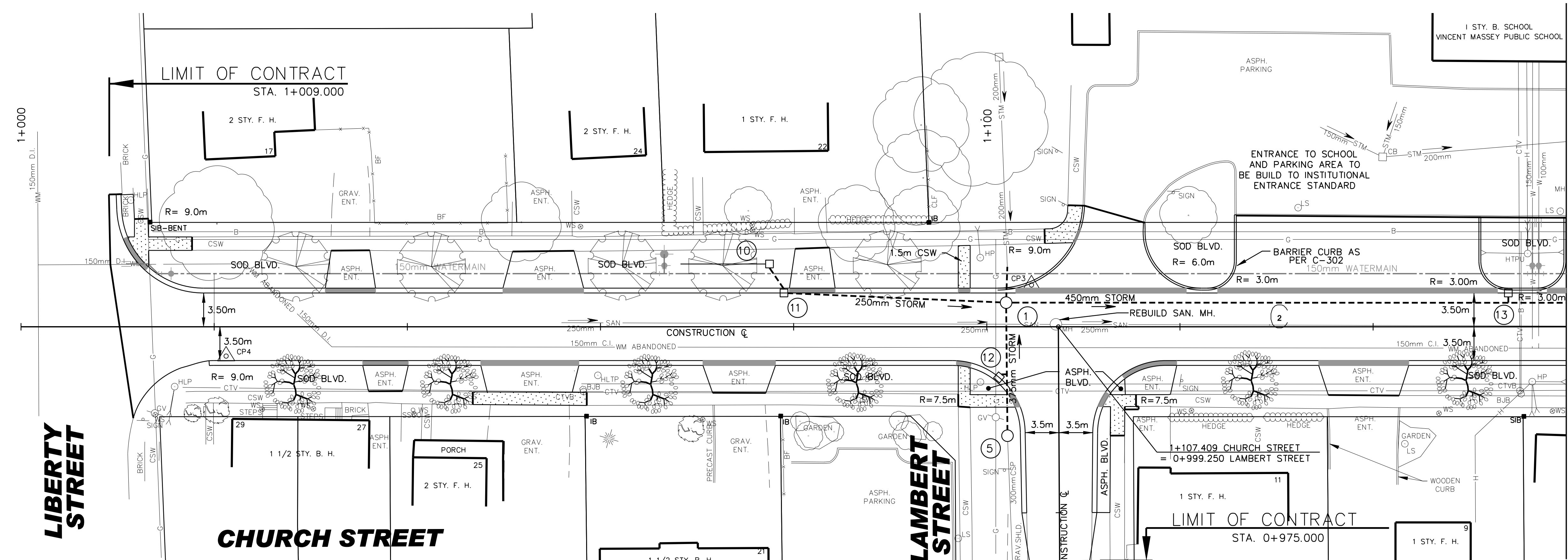
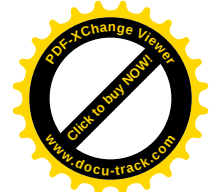
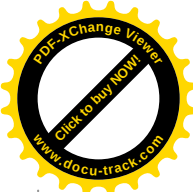
PROJECT:
CHURCH STREET AND ST. GEORGE STREET RECONSTRUCTION
BOWMANVILLE
AS RECORDED
CONTRACT No. CL2007-22

DRAWING:
ST GEORGE STREET PROPOSED STORM SEWER AND ROAD CONSTRUCTION
STA. 3+000 TO STA. 3+120

DRAWN BY: A. O'BRIEN	CHECKED BY: R. ALBRIGHT	PROJECT No.: 12-29636
DESIGNED BY: P. MERRETT	APPROVED BY: W. McCRAE	DRAWING No.
SCALE: HORZ. 1:250 VERT. 1:50	DATE: MAY 2007	

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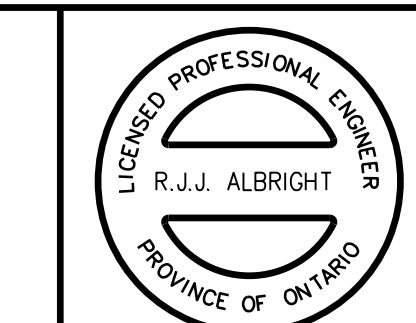


LEGEND	
STM	EXISTING STORM SEWER
SAN	EXISTING SANITARY SEWER
WM	EXISTING WATERMAIN
G	EXISTING GAS MAIN
B	EXISTING BURIED BELL CABLE
CTV	EXISTING BURIED CTV CABLE
H	EXISTING BURIED HYDRO CABLE
300mm	STORM SEWER
150mm	CURB & GUTTER
150mm	DROP CURB
150mm	SIDEWALK
150mm	SOD

SEE DRAWING NO. 7 FOR TYPICAL SECTIONS AND STORM SEWER DATA
ROAD CURB AS PER STANDARD CURB AND GUTTER C-302
INSTITUTIONAL AND COMMERCIAL ENTRANCE CURB TO BE BARRIER CURB C-302

NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO INFORM THEMSELVES OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWING, AND WHERE SHOWN, THE ACCURACY CANNOT BE GUARANTEED.
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No.	DATE	BY	ISSUES / REVISIONS
4	01/27/10	A.O.B.	AS RECORDED DETAILS ADDED
3	06/25/07	P.M.	ISSUED FOR CONSTRUCTION
2	06/21/07	A.O.B.	REVISED CHURCH ST. ALIGNMENT
1	05/18/07	P.M.	ISSUED FOR TENDER



TSH
engineers
architects
planners
Totten Sims Hubicki Associates (1997) Limited
513 Division Street
Cobourg, Ontario
K9A 5G6
TEL: 905-372-2121
FAX: 905-372-3621
E-mail: cobourg@tsh.ca
www.tsh.ca

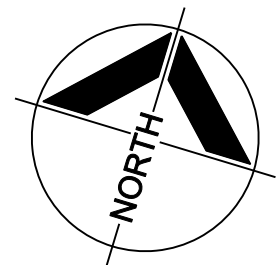
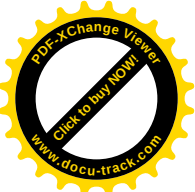
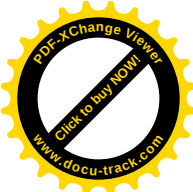
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CLIENT:
Clarington
Leading the Way

PROJECT:
**CHURCH STREET AND
ST. GEORGE STREET
RECONSTRUCTION
BOWMANVILLE
AS RECORDED
CONTRACT No. CL2007-22**

DRAWING:
**CHURCH STREET
PROPOSED STORM SEWER
AND ROAD CONSTRUCTION
STA. 1+000 TO STA. 1+160**

DRAWN BY: A. O'BRIEN	CHECKED BY: R. ALBRIGHT	PROJECT No.: 12-29636
DESIGNED BY: P. MERRETT	APPROVED BY: W. McCRAE	DRAWING No.
SCALE: HORZ. 1:250 VERT. 1:50	DATE: MAY 2007	



LEGEND

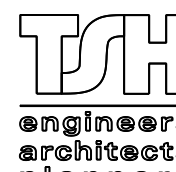
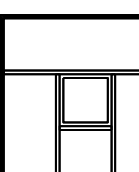
- STM EXISTING STORM SEWER
- SAN EXISTING SANITARY SEWER
- WM EXISTING WATERMAIN
- G EXISTING GAS MAIN
- B EXISTING BURIED BELL CABLE
- CTV EXISTING BURIED CTV CABLE
- H EXISTING BURIED HYDRO CABLE
- 300mm STORM SEWER
- CURB & GUTTER
- DROP CURB
- SIDEWALK
- SOD

NOTE:
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4	01/27/10	A.O.B	AS RECORDED DETAILS ADDED
3	06/25/07	P.M.	ISSUED FOR CONSTRUCTION
2	06/21/07	A.O.B	REVISED CHURCH ST. ALIGNMENT
1	05/18/07	P.M.	ISSUED FOR TENDER
No.	DATE	BY	ISSUES / REVISIONS





513 Division Street
Cobourg, Ontario
K9A 5G6
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E-mail: cobourg@tsh.ca
www.tsh.ca
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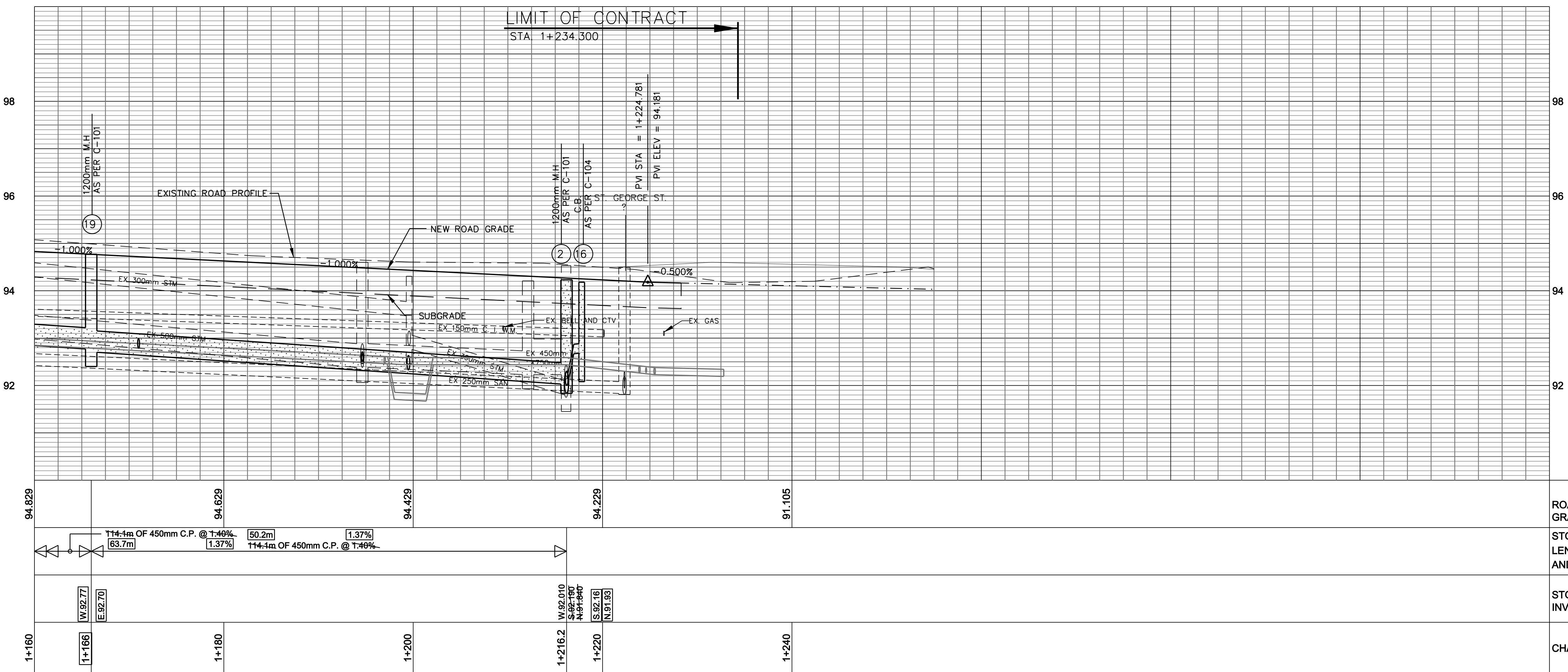
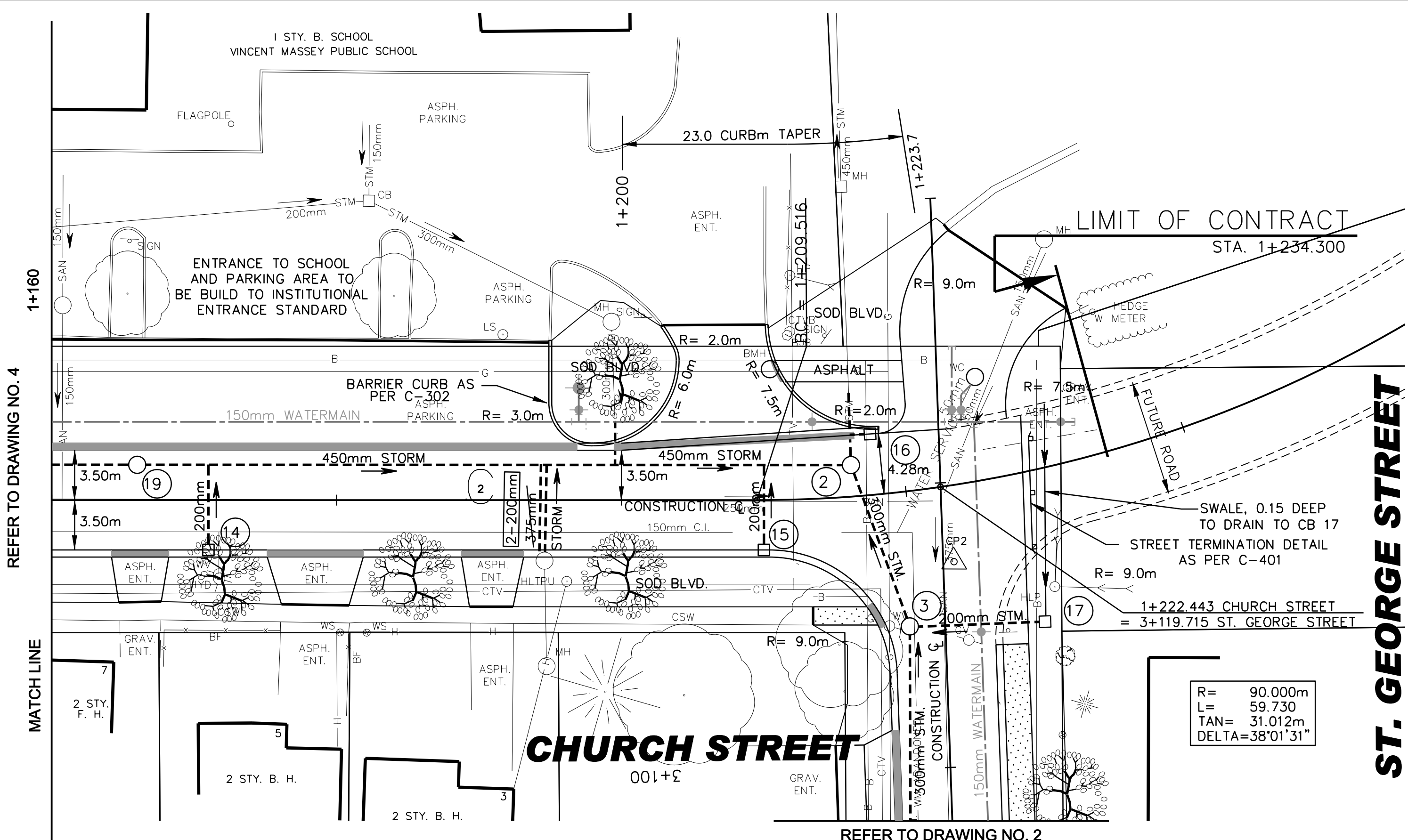
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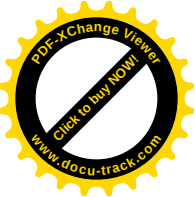


PROJECT:
CHURCH STREET AND ST. GEORGE STREET RECONSTRUCTION BOWMANVILLE AS RECORDED
CONTRACT No. CL2007-22

DRAWING:
CHURCH STREET PROPOSED STORM SEWER AND ROAD CONSTRUCTION STA. 1+060 TO STA. 1+240

DRAWN BY: A. O'BRIEN	CHECKED BY: R. ALBRIGHT	PROJECT No.: 12-29636
DESIGNED BY: P. MERRETT	APPROVED BY: W. McCRAE	DRAWING No.
SCALE: HORZ. 1:500 VERT. 1:100	DATE: MAY 2007	





W. 92.73

W. 92.72

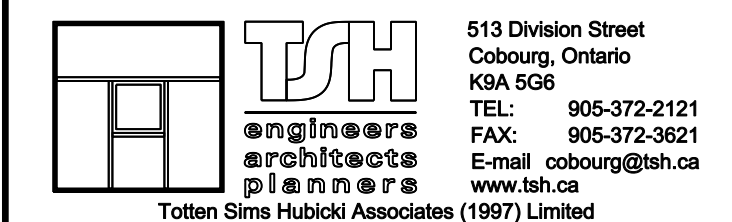
No. TO No.	SIZE	TYPE	% GRADE	LENGTH
1 TO 19			1.37	63.7
				4.1
			1.03	23.4
			9.00	2.0
			2.45	14.7
				6.3
EX. MH TO	200	DR35	0.86	6.4
	200	DR35	0.24	6.2
				5.5
				5.8
				4.7
		PVC	0.70	11.5
			0.53	32.3
			1.3	
			0.81	9.9

NOTE :

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3	01/27/10	A.O.B.	AS RECORDED DETAILS ADDED
2	06/25/07	P.M.	ISSUED FOR CONSTRUCTION
1	05/18/07	P.M.	ISSUED FOR TENDER
No.	DATE	BY	ISSUES / REVISIONS



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CLIENT:

Clarington

PROJECT:

**CHURCH STREET AND
ST. GEORGE STREET
RECONSTRUCTION
BOWMANVILLE
AS RECORDED**

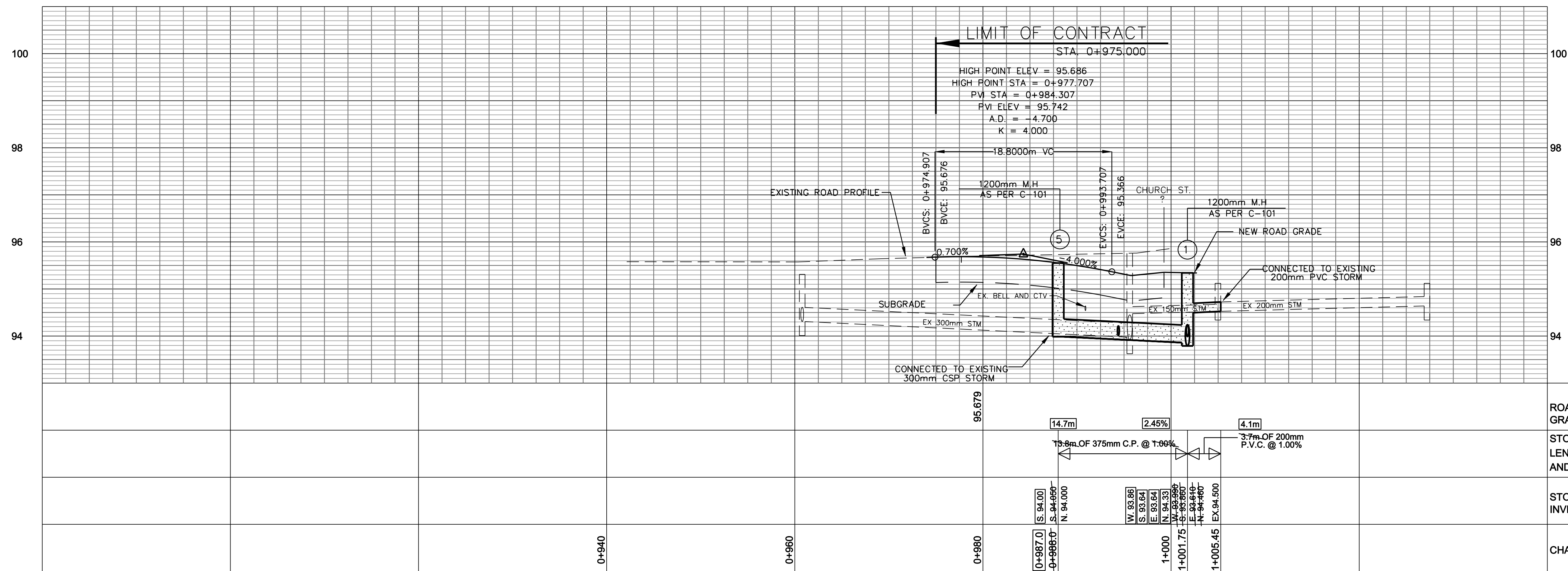
CONTRACT No. CL2007-22

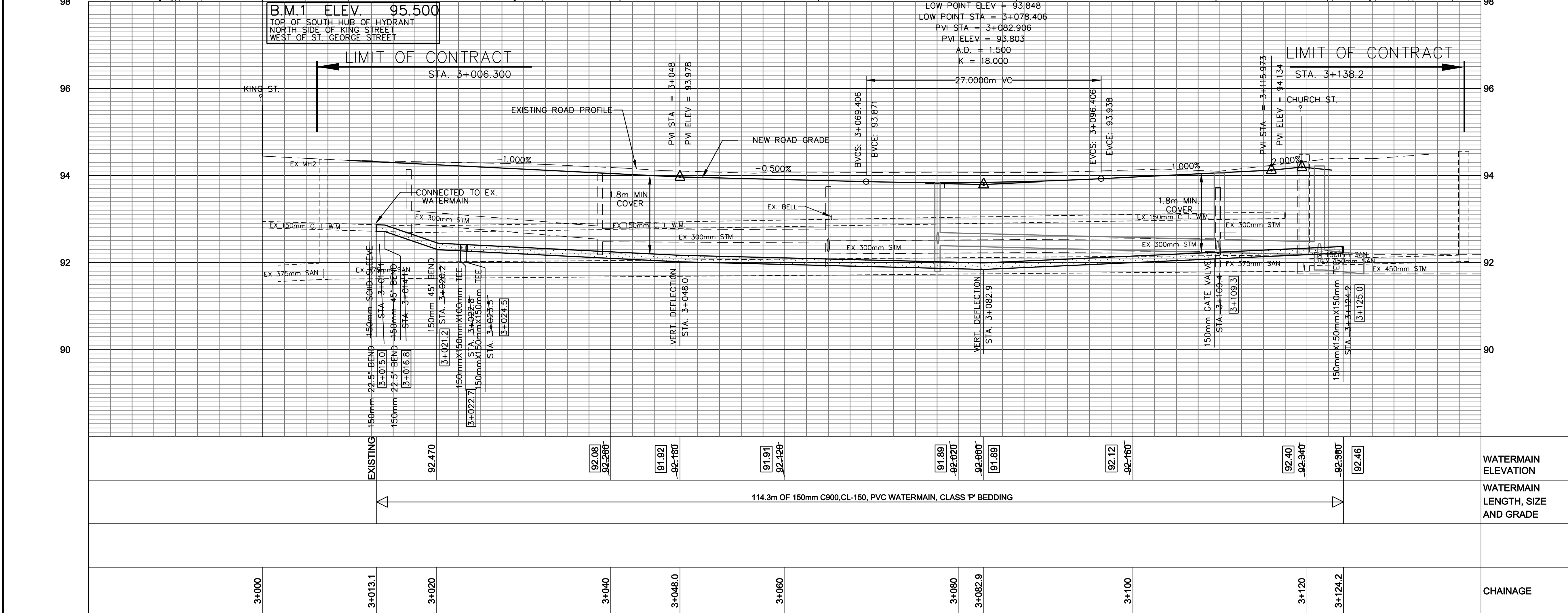
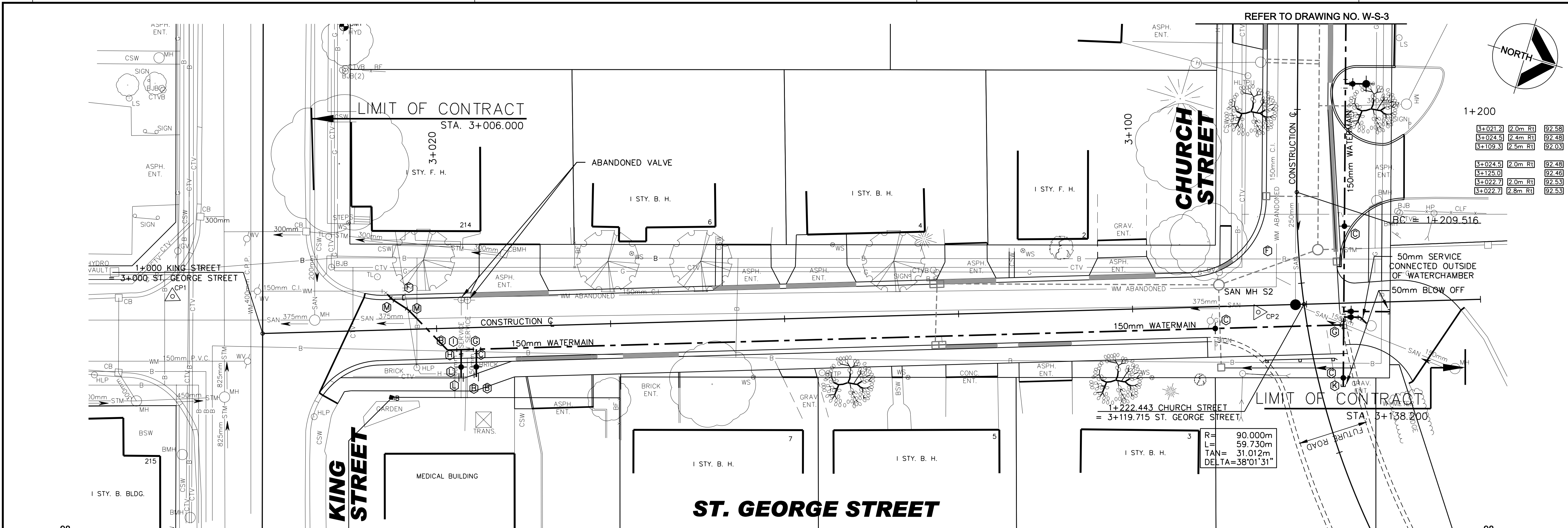
DRAWING: CHURCH STREET AND
ST. GEORGE STREET
TYPICAL SECTIONS, STORM
SEWER DATA AND LAMBERT ST. PROFILE

DRAWN BY: A. O'BRIEN	CHECKED BY: R. ALBRIGHT	PROJECT No. : 12-2963
DESIGNED BY: P. MERRETT	APPROVED BY: W. McCRAE	DRAWING No.
SCALE: HORZ. 1:500 VERT. 1:100	DATE: MAY 2007	



LAMBERT STREET PROFILE





LEGEND
WATERMAIN

WATERMAIN LEGEND			
MK	DESCRIPTION	STATION	OFFSET TOP OF WM ELEVATION
A	150mm SOLID SLEEVE	3+013.1	4.5m LL EX
B	150mm 45° BEND	3+023.5	4.5m LL EX
C	150mm GATE VALVE	3+024.2	4.5m LL EX
F	ABANDON PIPE PLUG	3+016.2	3.7m RL EX
G	150x150x150mm TEE	3+023.5	4.5m LL EX
H	150x150x100mm TEE	3+024.2	4.5m LL EX
I	100mm GATE VALVE	3+022.8	4.5m LL EX
J	100mm SOLID SLEEVE	3+022.8	4.5m LL EX

B	150mm 45° BEND	3+023.5	4.5m LL EX
C	150mm 45° BEND	3+023.5	4.5m LL EX
D	150mm 22° BEND	3+016.0	3.5m LL EX
E	150mm 22° BEND	3+016.0	3.5m LL EX

WATERMAIN NOTES:
1. SERVICE SHALL BE REPLACED FROM WATERMAIN TO STREET LINE WITH MIN. 19mm TYPE 'K' COPPER C/W CURB STOP, SERVICE BOX, ROD AND MAIN STOP UNLESS OTHERWISE NOTED.
2. ABANDONED VALVES SHALL BE TURNED TO OFF POSITION AND VALVE BOX REMOVED.

SANITARY SEWER NOTES:
SEE DRAWINGS W-5-2 AND W-5-3 FOR SANITARY SEWER INFORMATION.

NOTE:
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No.	DATE	BY	ISSUES / REVISIONS
3	01/27/10	A.O.B.	AS RECORDED DETAILS ADDED
2	06/25/07	P.M.	ISSUED FOR CONSTRUCTION
1	05/18/07	P.M.	ISSUED FOR TENDER

LICENSED PROFESSIONAL ENGINEER
R.J.J. ALBRIGHT
PROVINCE OF ONTARIO

TSH
TOTTEN SIMS HUBICKI ASSOCIATES (1997) LIMITED
513 Division Street
Cobourg, Ontario
K9A 5G6
TEL: 905-372-2121
FAX: 905-372-3621
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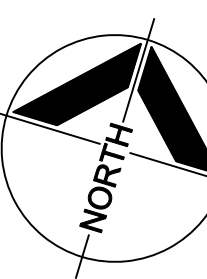
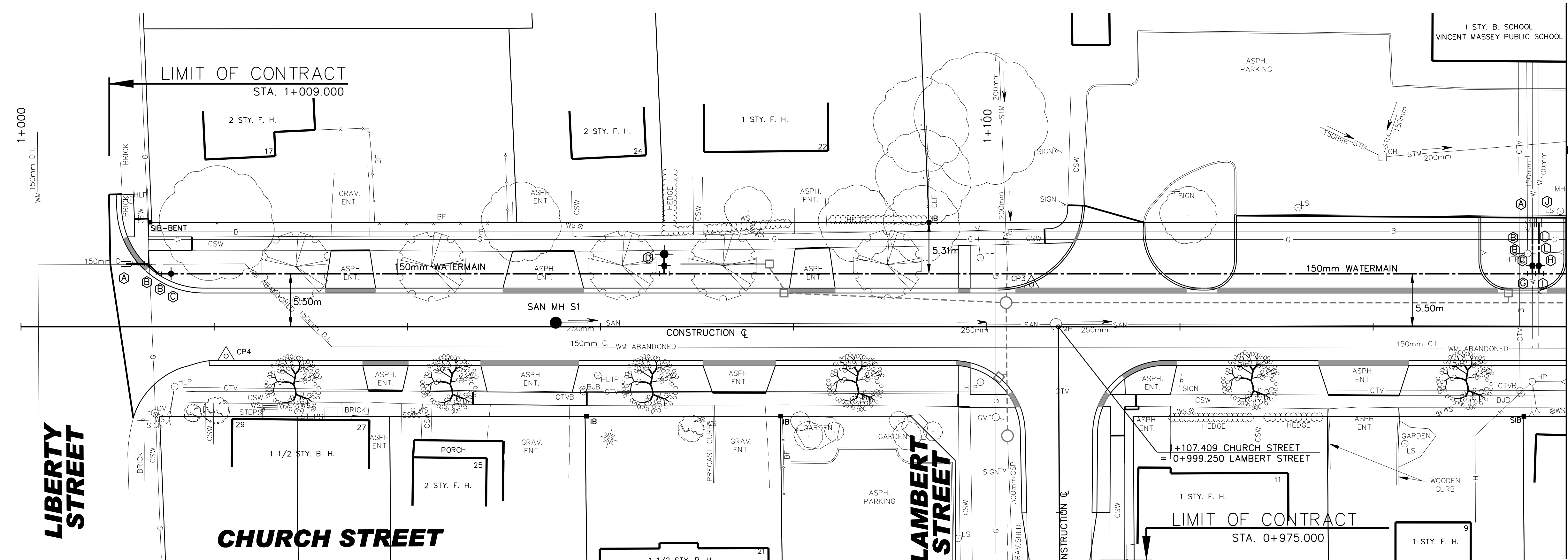
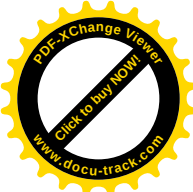
THE REGIONAL MUNICIPALITY OF DURHAM
WORKS DEPARTMENT
WHITBY ONTARIO

PROJECT:
CHURCH STREET AND ST. GEORGE STREET RECONSTRUCTION
BOWMANVILLE
AS RECORDED
CONTRACT No. CL2007-22

DRAWING:
ST GEORGE STREET PROPOSED WATERMAIN
KING STREET TO CHURCH STREET

DRAWN BY:	CHECKED BY:	PROJECT No.:
A. O'BRIEN	R. ALBRIGHT	12-29660
DESIGNED BY:	APPROVED BY:	DRAWING No.
P. MERRETT	W. McCRAE	
SCALE:	DATE:	
HORZ. 1:500	MAY 2007	
VERT. 1:100		

W-S-1



REFER TO DRAWING NO. W-S-3

LEGEND

WATERMAIN LEGEND				
MK	DESCRIPTION	STATION	OFFSET	TOP OF WM ELEVATION
A	150mm SOLID SLEEVE	1+010.9	6.5m LT	EX.
B	150mm 45° BEND	1+156.5	10.8m LT	EX.
C	150mm GATE VALVE	1+014.2	5.5m LT	95.260
D	HYDRANT ASSEMBLY	1+015.5	5.5m LT	95.240
E	150x150x150mm TEE	1+156.5	5.5m LT	95.240
F	150x150x150mm TEE	1+157.1	5.5m LT	95.240
G	150x150x150mm TEE	1+157.1	5.5m LT	95.240
H	150mm GATE VALVE	1+157.1	5.5m LT	95.240
I	150mm SOLID SLEEVE	1+157.1	10.8m LT	EX.
J	150mm MECH. PEG	1+156.5	3.9m LT	95.240

150mm 45° BEND	1+156.5	6.5m LT	92.96
150mm 45° BEND	1+157.1	6.5m LT	92.96

WATERMAIN NOTES:
1. SERVICE SHALL BE REPLACED FROM WATERMAIN TO STREET LINE WITH MIN. 19mm TYPE 'K' COPPER C/W CURB STOP, SERVICE BOX, ROD AND MAIN STOP UNLESS OTHERWISE NOTED.
2. ABANDONED VALVES SHALL BE TURNED TO OFF POSITION AND VALVE BOX REMOVED.

SANITARY LEGEND				
STRUCTURE No.	STATION	OFFSET TO C&G	STRUCTURE TYPE	TOP GRADE ELEVATION
S1	1+055.4	0.43 LT	701.010	96.252

NOTE:
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3	01/27/10	A.O.B.	AS RECORDED DETAILS ADDED
2	06/25/07	P.M.	ISSUED FOR CONSTRUCTION
1	05/18/07	P.M.	ISSUED FOR TENDER

ISSUES / REVISIONS

LICENSED PROFESSIONAL ENGINEER
R.J.J. ALBRIGHT
PROVINCE OF ONTARIO

TSH
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architects
planners

513 Division Street
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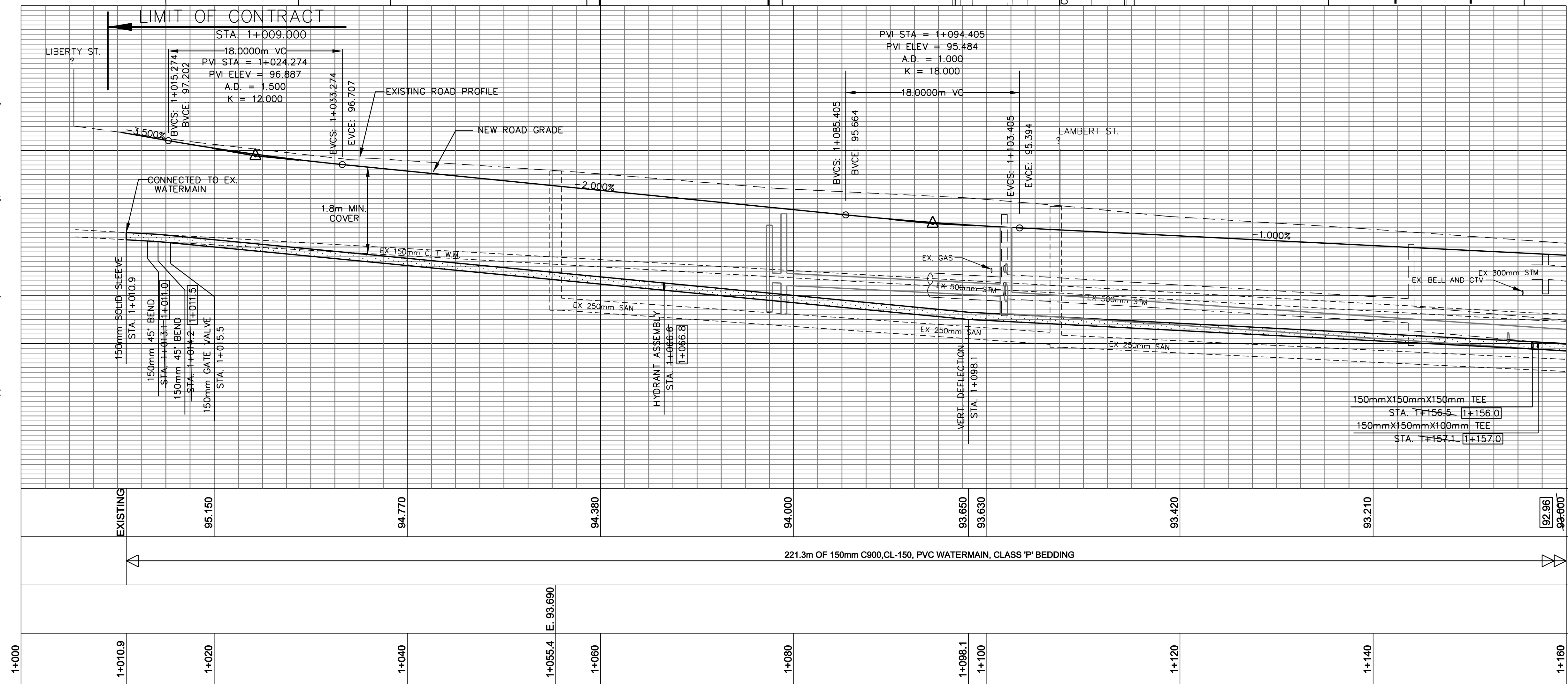
THE REGIONAL MUNICIPALITY OF DURHAM
WORKS DEPARTMENT
WHITBY, ONTARIO

PROJECT:
CHURCH STREET AND ST. GEORGE STREET RECONSTRUCTION
BOWMANVILLE
AS RECORDED
CONTRACT No. CL2007-22

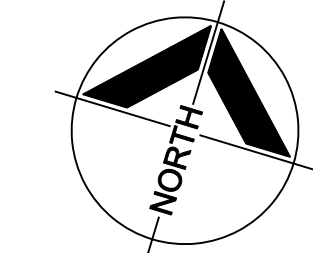
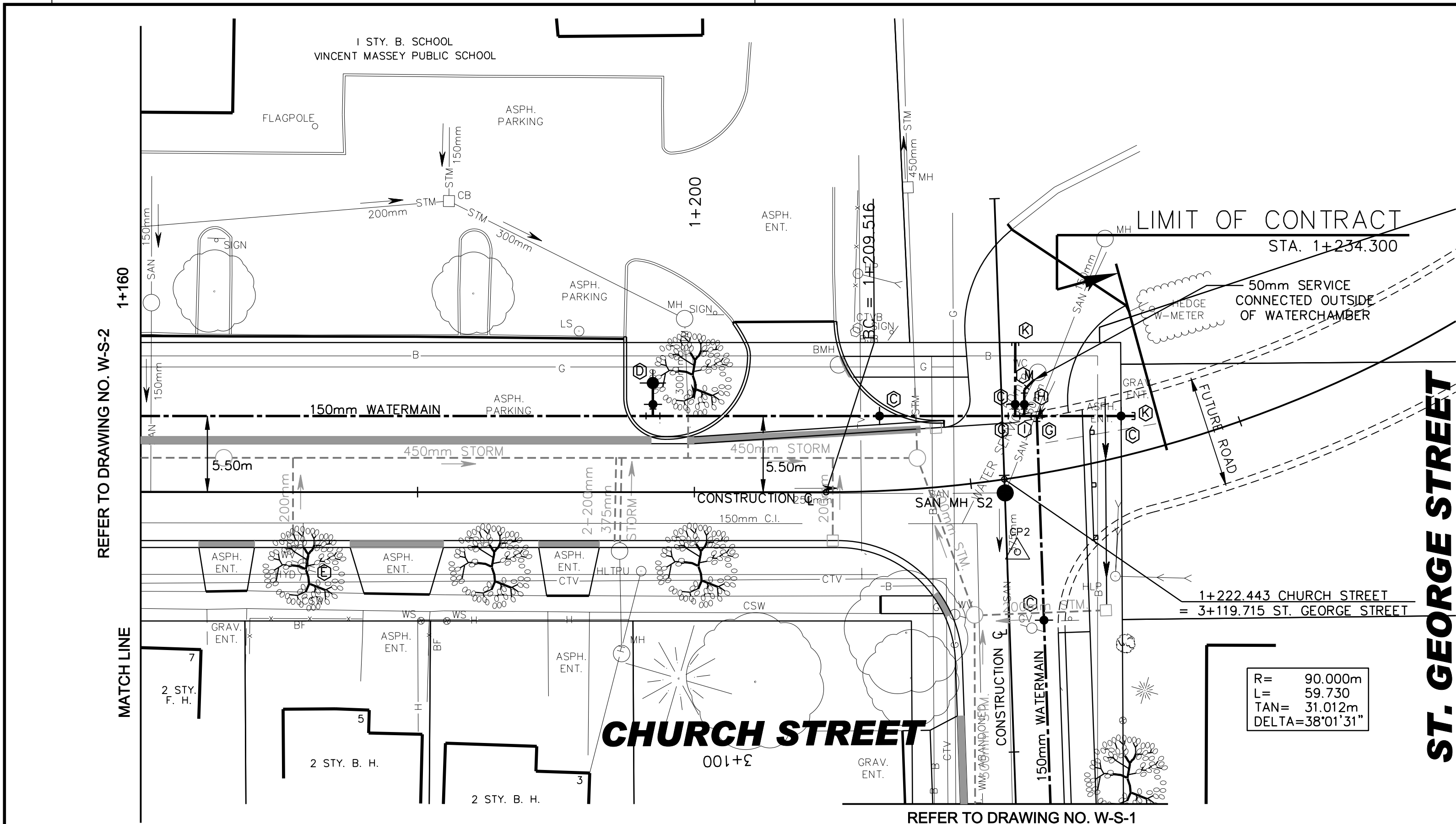
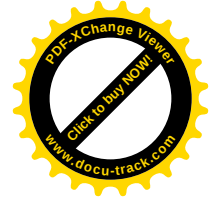
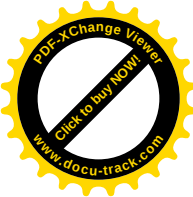
DRAWING:
CHURCH STREET PROPOSED WATERMAIN
LIBERTY STREET TO 50m EAST OF LAMBERT STREET

DRAWN BY:	CHECKED BY:	PROJECT No.:
A. O'BRIEN	R. ALBRIGHT	12-29660
DESIGNED BY:	APPROVED BY:	DRAWING No.
P. MERRETT	W. McCRAE	
SCALE:	DATE:	
HORZ. 1:500 VERT. 1:100	MAY 2007	

W-S-2



221.3m OF 150mm C900, CL-150, PVC WATERMAIN, CLASS 'P' BEDDING



1+207.4	92.60
1+222.6	92.60
1+230.8	92.60
1+222.6	92.46
1+226.3	92.46
1+223.5	92.46
1+223.6	92.46
1+222.6	92.46
1+231.7	92.46

LEGEND

WATERMAIN LEGEND			
MK	DESCRIPTION	STATION	TOP OF WM ELEVATION
C	150mm GATE VALVE	1+223.6	92.60
		1+223.9	92.410
		1+230.8	92.350
D	HYDRANT ASSEMBLY	1+197.0	92.610
E	REMOVE AND SALVAGE HYDRANT	1+171.7	92.610
F	ABANDON FIRE-PLUG	1+216.4	92.410
G	150x150x150mm TEE	1+223.9	92.410
		1+225.8	92.380
H	100mm GATE VALVE	1+224.6	92.400
I	150x150x100mm TEE	1+224.6	92.400
K	50mm BLOWOFF	1+223.9	92.410
L	100mm 45° BEND	1+224.6	92.350

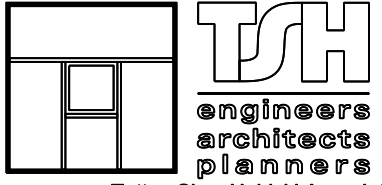
WATERMAIN NOTES:
1. SERVICE SHALL BE REPLACED FROM WATERMAIN TO STREET LINE WITH MIN. 19mm TYPE 'K' COPPER C/W CURB STOP, SERVICE BOX, ROD AND MAIN STOP UNLESS OTHERWISE NOTED.
2. ABANDONED VALVES SHALL BE TURNED TO OFF POSITION AND VALVE BOX REMOVED.

PROPOSED SANITARY LEGEND					
STRUCTURE No.	STATION	OFFSET TO C/G	STRUCTURE TYPE	TOP GRADE ELEVATION	GRADE TYPE
S2	1+222.4	0.74 LT.	701.010	94.183	401.010

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2	06/25/07	P.M.	ISSUED FOR CONSTRUCTION
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No.	DATE	BY	ISSUES / REVISIONS





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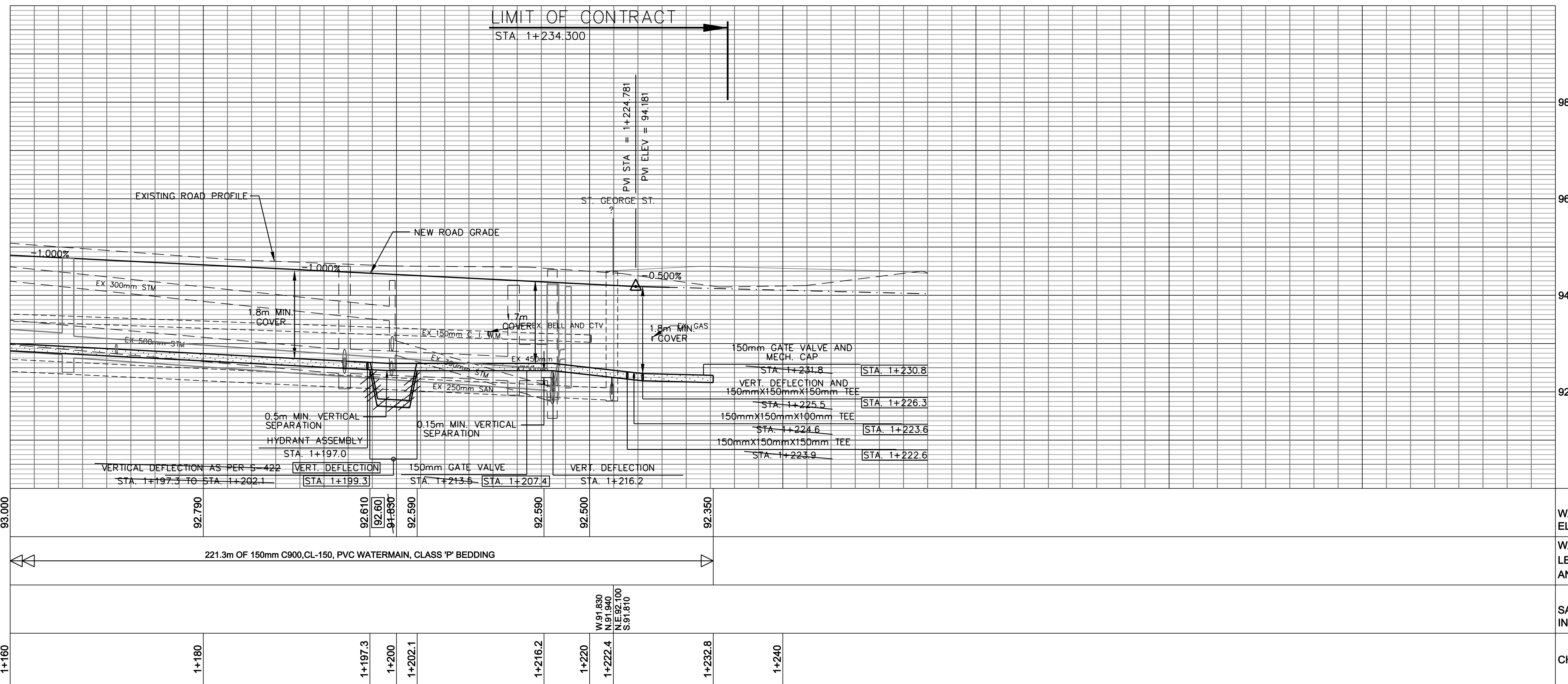


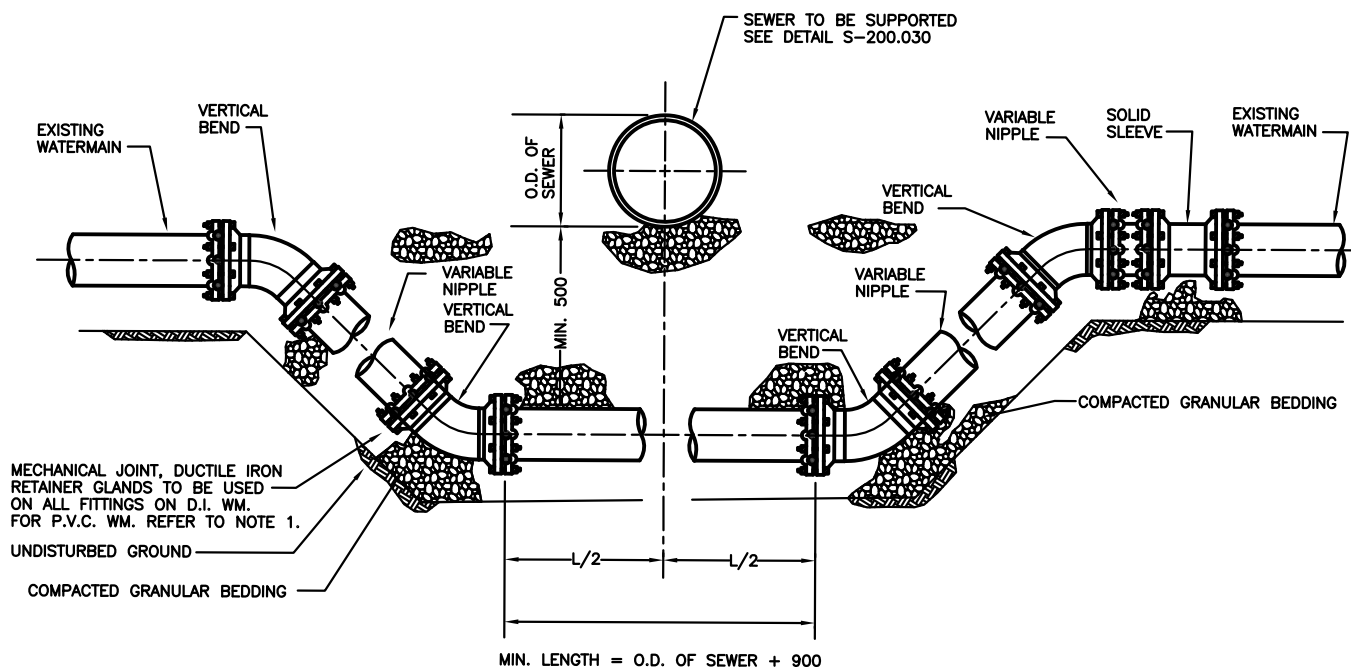
CLIENT:
THE REGIONAL MUNICIPALITY OF DURHAM
WORKS DEPARTMENT
WHITBY ONTARIO

PROJECT:
CHURCH STREET AND ST. GEORGE STREET RECONSTRUCTION
BOWMANVILLE AS RECORDED
CONTRACT No. CL2007-22

DRAWING:
CHURCH STREET PROPOSED WATERMAIN
50m EAST OF LAMBERT STREET TO ST. GEORGE STREET

DRAWN BY: A. O'BRIEN	CHECKED BY:	PROJECT No.: 12-29660
DESIGNED BY: P. MERRETT	APPROVED BY:	DRAWING No. W-S-3
SCALE: HORIZ. 1:500 VERT. 1:100	DATE: MAY 2007	





NOTES

1. SEE DETAILS S-200.050 AND S-200.060 FOR METHOD OF RESTRAINING JOINTS ON P.V.C. WM.
2. COMPACTED GRANULAR SHALL BE PLACED BETWEEN SEWER & WATERMAIN AS PER S-200.030.
3. PROVIDE CATHODIC PROTECTION FOR FITTINGS AS PER S-201.030 AND S-201.031.
4. MINIMUM VERTICAL SEPARATION TO BE 250mm FOR WATERMAIN TO CROSS ABOVE SEWER.

ALL DIMENSIONS IN MILLIMETRES EXCEPT WHERE NOTED.



WORKS DEPARTMENT

DEFLECTION OF WATERMAIN OVER AND UNDER SEWER

DWG. DATE: 2004 07

REVISION NO.: 4

REV. DATE: 2017 04

SCALE: N.T.S.

S-200.070