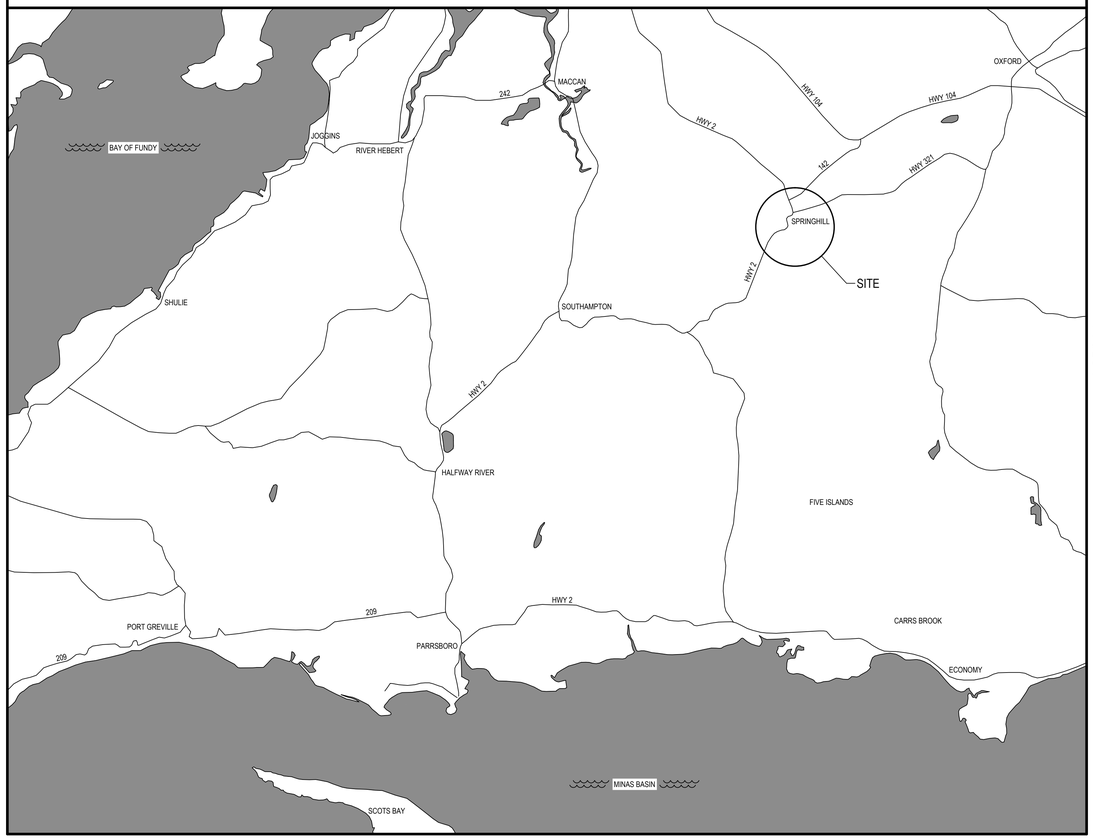
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JUSTIN TROTHEWEY
4/20/2017 3:48 PM

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

DRAWING INDEX

Sheet Number	Sheet Title
GA-100	GENERAL ARRANGEMENT
C-100	PLAN AND PROFILE CHURCH STREET STA. 0+000 TO 0+180
C-101	PLAN AND PROFILE CHURCH STREET STA. 0+180 TO 0+360
C-102	PLAN AND PROFILE CHURCH STREET STA. 0+360 TO 0+540
C-103	PLAN AND PROFILE CHURCH STREET STA. 0+540 TO 0+720
C-104	PLAN AND PROFILE CHURCH STREET STA. 0+720 TO 0+905
C-200	PLAN AND PROFILE VICTORIA STREET STA. 0+000 TO 0+160
C-201	PLAN AND PROFILE VICTORIA STREET STA. 0+160 TO 0+320
C-202	PLAN AND PROFILE VICTORIA STREET STA. 0+320 TO 0+460
C-300	PLAN AND PROFILE ELM STREET STA. 0+000 TO 0+160
C-301	PLAN AND PROFILE ELM STREET STA. 0+160 TO 0+320
C-302	PLAN AND PROFILE ELM STREET STA. 0+320 TO 0+452
C-400	PLAN AND PROFILE PIONEER STREET STA. 0+000 TO 0+150
C-401	PLAN AND PROFILE PIONEER STREET STA. 0+150 TO 0+310
C-500	PLAN AND PROFILE MECHANIC STREET STA. 0+000 TO 0+160
C-501	PLAN AND PROFILE MECHANIC STREET STA. 0+160 TO 0+320
C-502	PLAN AND PROFILE MECHANIC STREET STA. 0+320 TO 430
C-600	PLAN AND PROFILE CHAPEL STREET STA. 0+000 TO 0+150
C-601	PLAN AND PROFILE CHAPEL STREET STA. 0+150 TO 0+300
C-602	PLAN AND PROFILE CHAPEL STREET STA. 0+300 TO 0+410
C-700	PLAN AND PROFILE PLEASANT STREET STA. 0+000 TO 0+160
C-701	PLAN AND PROFILE PLEASANT STREET STA. 0+160 TO 0+300
C-702	PLAN AND PROFILE PLEASANT STREET STA. 0+300 TO 0+420
C-800	PLAN AND PROFILE ST JAMES STREET STA. 0+000 TO 0+120
C-801	PLAN AND PROFILE ST JAMES STREET STA. 0+120 TO 0+265
C-900	PLAN AND PROFILE PRINCESS STREET STA. 0+000 TO 0+180
C-1000	MISCELLANEOUS SECTIONS AND DETAILS

LOCATION PLAN



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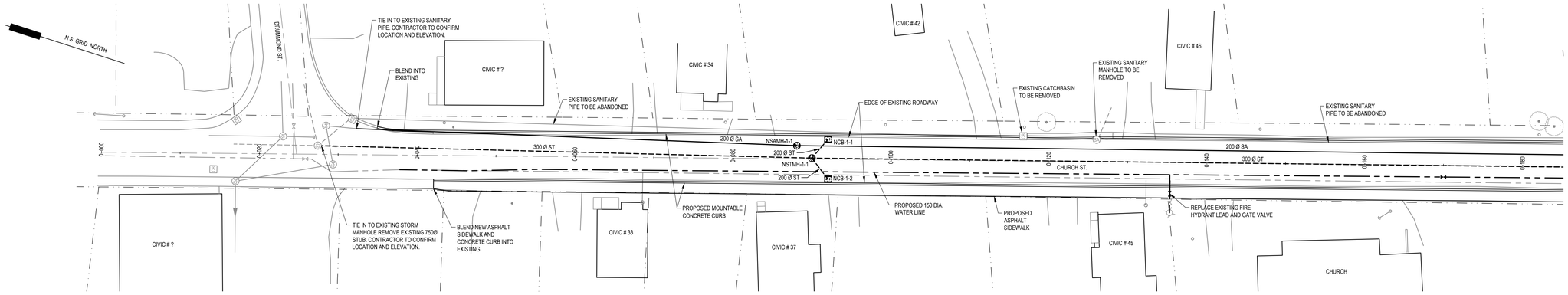
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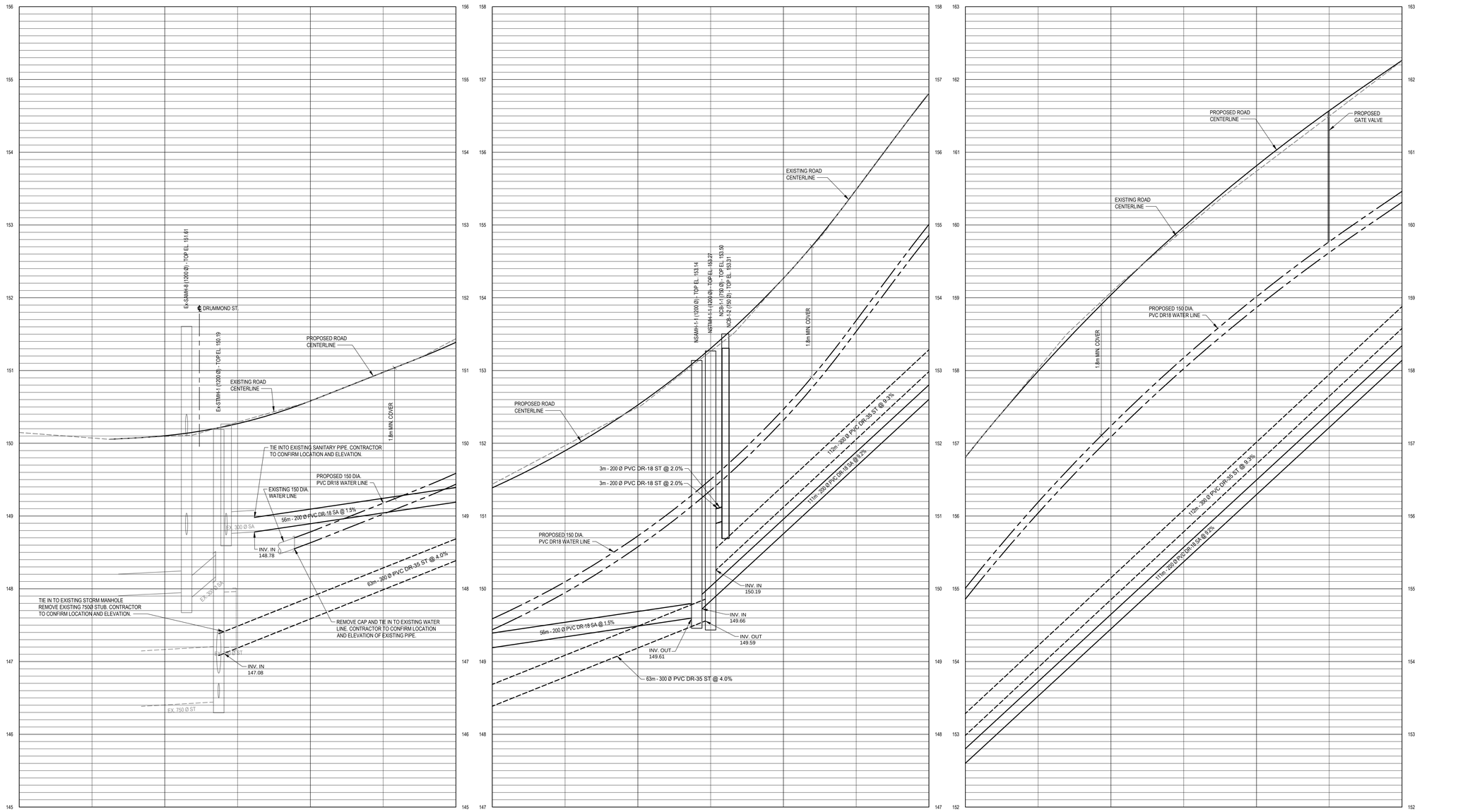
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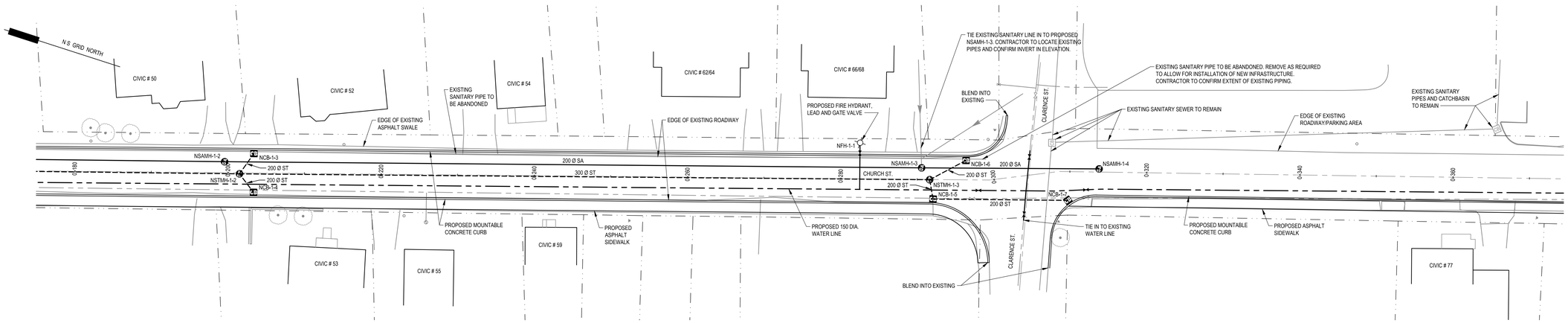
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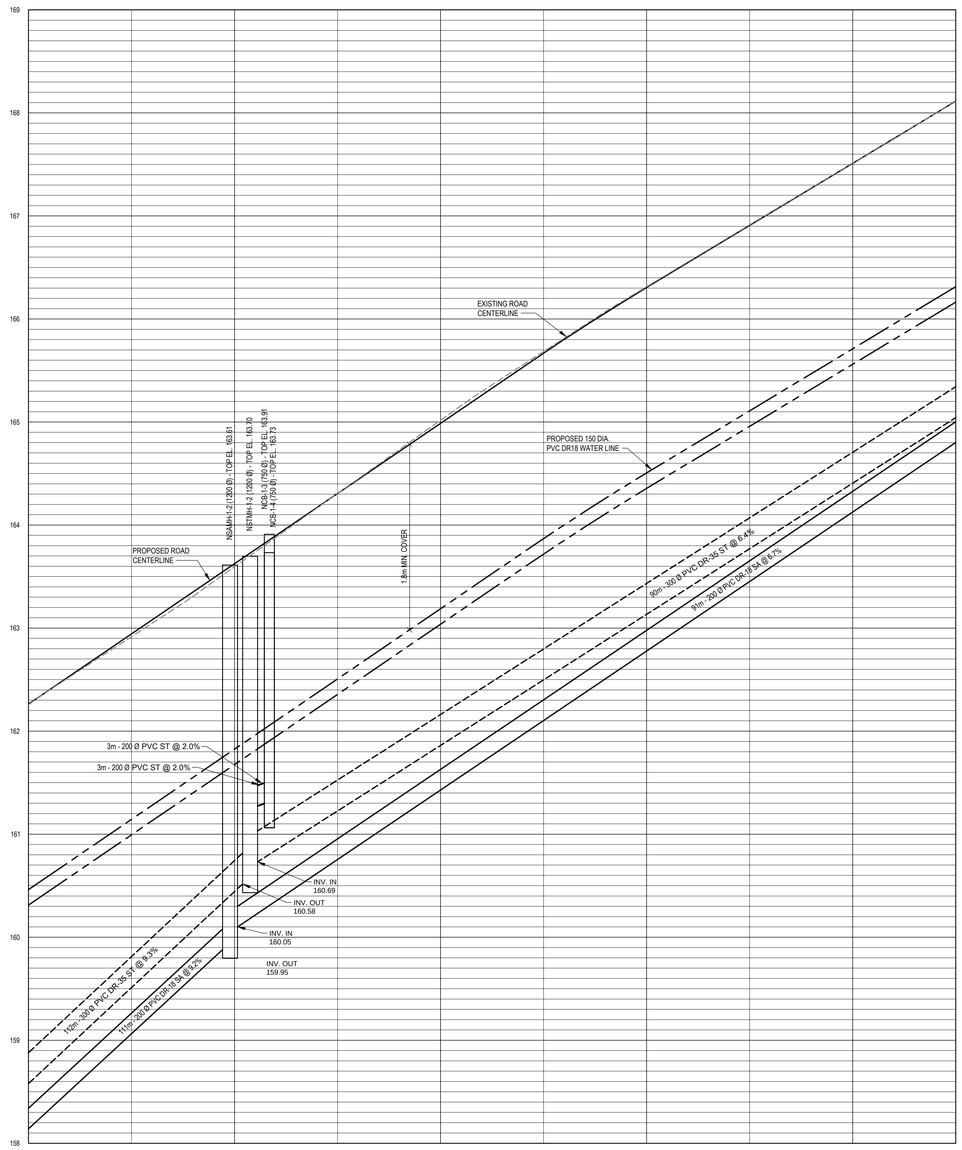

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DRUMMOND ST
DRUMMOND ST
DRUMMOND ST
DRUMMOND ST
PRINCESS ST
PRINCESS ST
PRINCESS

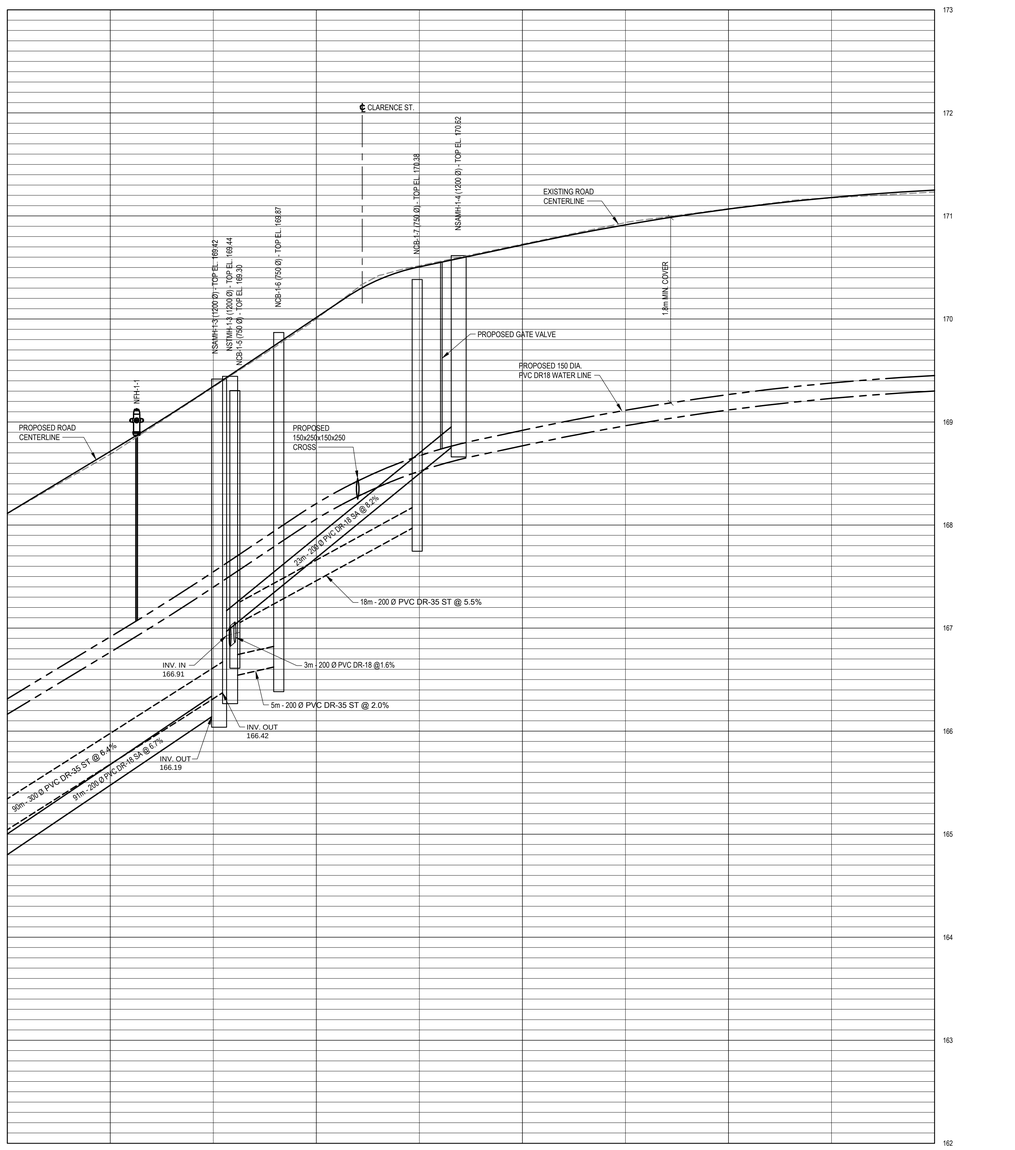

N.S. GRID NORTH
DRUMMOND ST.
TIE IN TO EXISTING SANITARY PIPE. CONTRACTOR TO CONFIRM LOCATION AND ELEVATION.
BLEND INTO EXISTING
CIVIC # ?
EXISTING SANITARY PIPE TO BE ABANDONED
CIVIC # 34
CIVIC # 42
EDGE OF EXISTING ROADWAY
EXISTING CATCHBASIN TO BE REMOVED
EXISTING SANITARY MANHOLE TO BE REMOVED
CIVIC # 46
EXISTING SANITARY PIPE TO BE ABANDONED
0+000
0+020
0+040
0+060
0+080
0+100
0+120
0+140
0+160
0+180
300 Ø ST
200 Ø SA
200 Ø ST
NSAMH-1-1
NCB-1-1
NSTMH-1-1
NCB-1-2
CHURCH ST.
TIE IN TO EXISTING STORM MANHOLE REMOVE EXISTING 750Ø STUB. CONTRACTOR TO CONFIRM LOCATION AND ELEVATION.
BLEND NEW ASPHALT SIDEWALK AND CONCRETE CURB INTO EXISTING
CIVIC # 33
PROPOSED MOUNTABLE CONCRETE CURB
CIVIC # 37
PROPOSED 150 DIA. WATER LINE
PROPOSED ASPHALT SIDEWALK
CIVIC # 45
REPLACE EXISTING FIRE HYDRANT LEAD AND GATE VALVE
CHURCH


EX-SMH-8 (1200 Ø) - TOP EL. 151.61
DRUMMOND ST.
PROPOSED ROAD CENTERLINE
EXISTING ROAD CENTERLINE
EX-STMH-1 (1200 Ø) - TOP EL. 150.19
1.8m MIN. COVER
TIE INTO EXISTING SANITARY PIPE. CONTRACTOR TO CONFIRM LOCATION AND ELEVATION.
PROPOSED 150 DIA. PVC DR18 WATER LINE
EXISTING 150 DIA. WATER LINE
55m - 200 Ø PVC DR-18 SA @ 1.8%
EX. 300 Ø SA
INV. IN 148.78
63m - 300 Ø PVC DR-35 ST @ 4.0%
EX. 300 Ø ST
TIE IN TO EXISTING STORM MANHOLE REMOVE EXISTING 750Ø STUB. CONTRACTOR TO CONFIRM LOCATION AND ELEVATION.
REMOVE CAP AND TIE IN TO EXISTING WATER LINE. CONTRACTOR TO CONFIRM LOCATION AND ELEVATION OF EXISTING PIPE.
EX. 750 Ø ST
INV. IN 147.08
NSAMH-1-1 (1200 Ø) - TOP EL. 153.14
NSTMH-1-1 (1200 Ø) - TOP EL. 153.27
NCB-1-1 (750 Ø) - TOP EL. 153.30
NCB-1-2 (750 Ø) - TOP EL. 153.31
EXISTING ROAD CENTERLINE
PROPOSED ROAD CENTERLINE
1.8m MIN. COVER
3m - 200 Ø PVC DR-18 ST @ 2.0%
3m - 200 Ø PVC DR-18 ST @ 2.0%
117m - 300 Ø PVC DR-35 ST @ 9.3%
117m - 200 Ø PVC DR-18 SA @ 9.3%
PROPOSED 150 DIA. PVC DR18 WATER LINE
55m - 200 Ø PVC DR-18 SA @ 1.5%
INV. IN 150.19
INV. IN 149.66
INV. OUT 149.59
INV. OUT 149.61
63m - 300 Ø PVC DR-35 ST @ 4.0%
PROPOSED ROAD CENTERLINE
EXISTING ROAD CENTERLINE
PROPOSED GATE VALVE
1.8m MIN. COVER
PROPOSED 150 DIA. PVC DR18 WATER LINE
117m - 300 Ø PVC DR-35 ST @ 9.3%
117m - 200 Ø PVC DR-18 SA @ 9.3%

| | | |





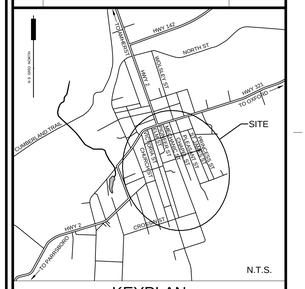


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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE CHURCH STREET STA. 0+180 TO 0+360

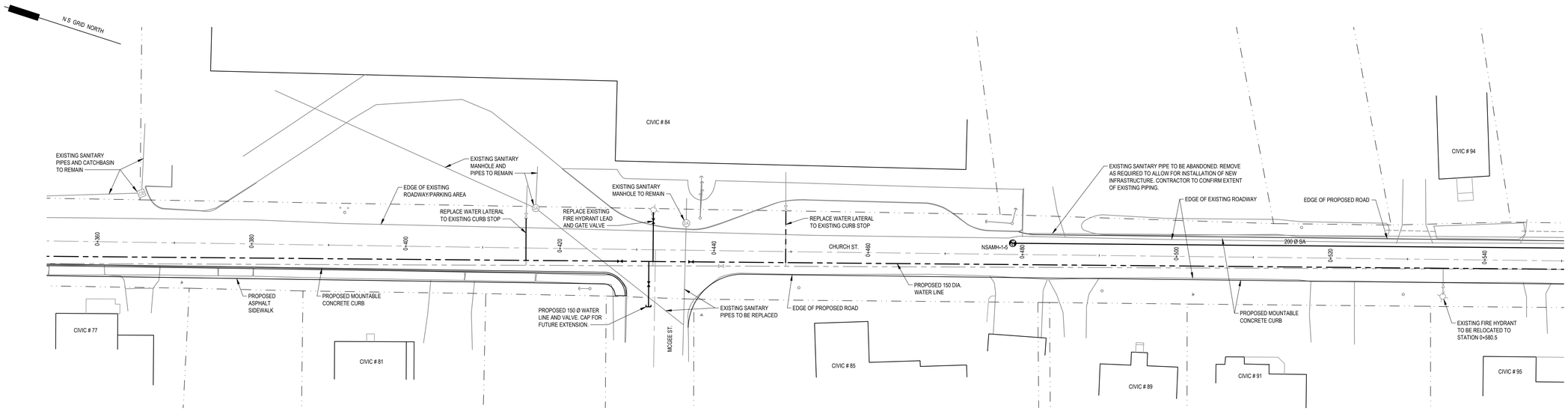
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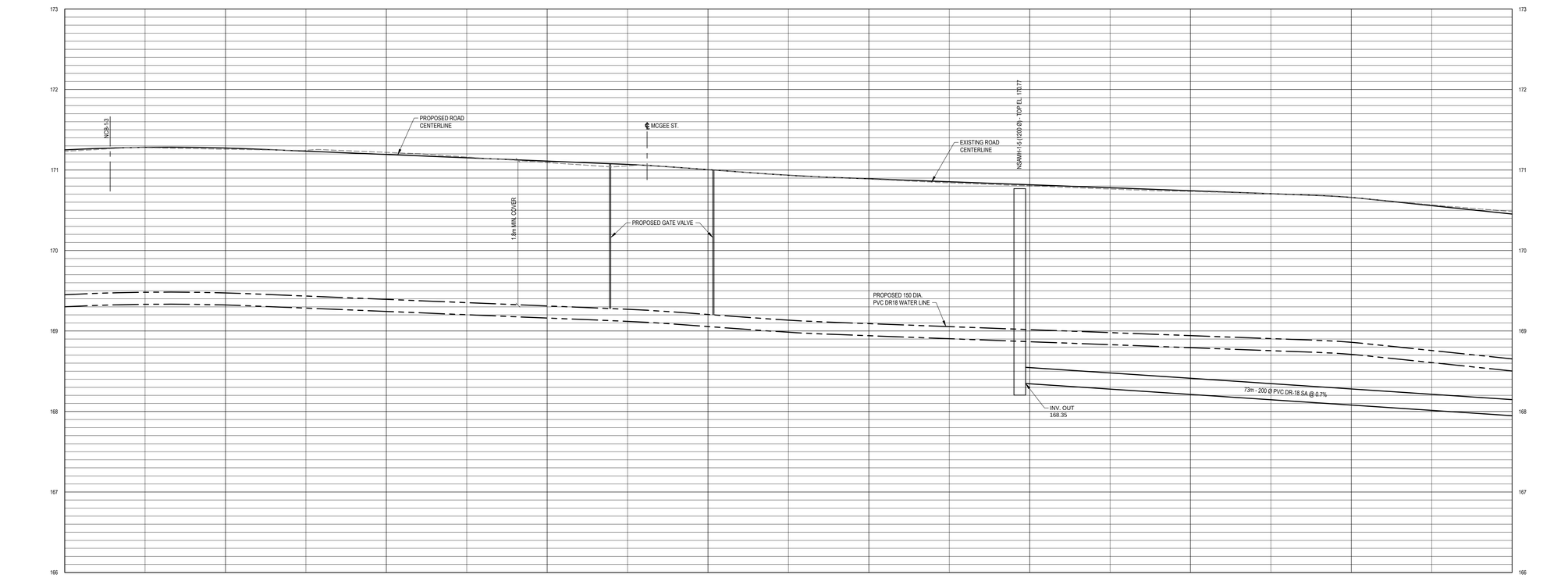
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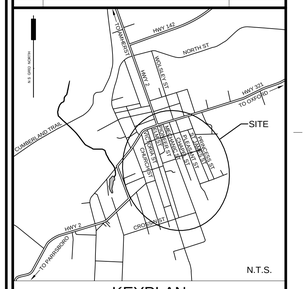


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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
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- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
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- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE CHURCH STREET STA. 0+360 TO 0+540

Project No.
HFX-00235652-A0

Dwg. No.
C-102

Rev. No.
0

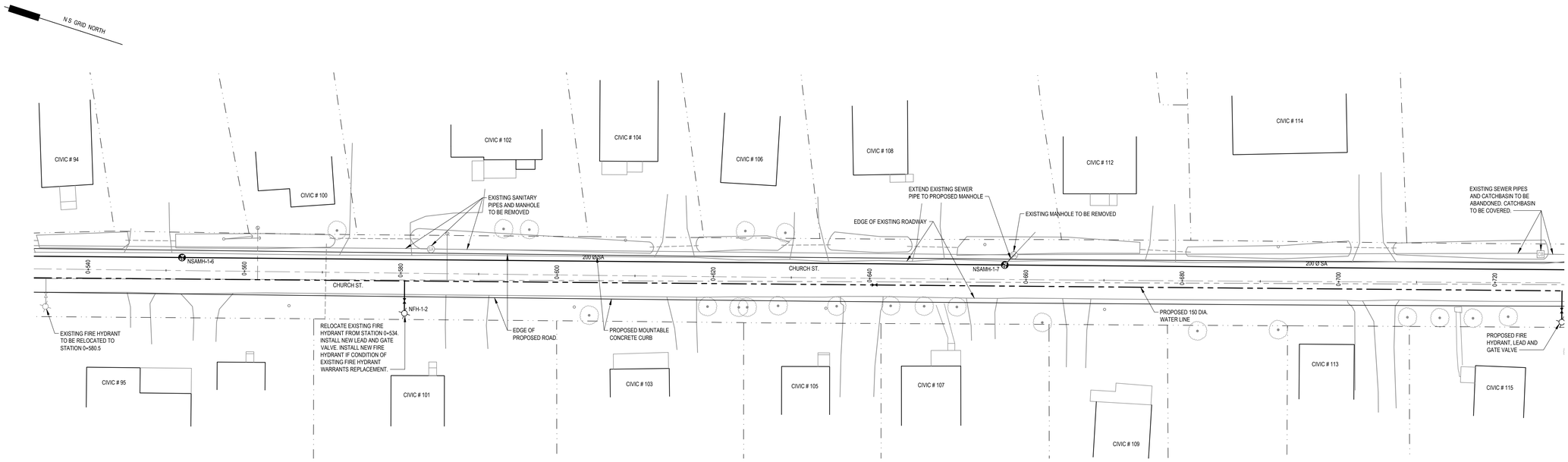
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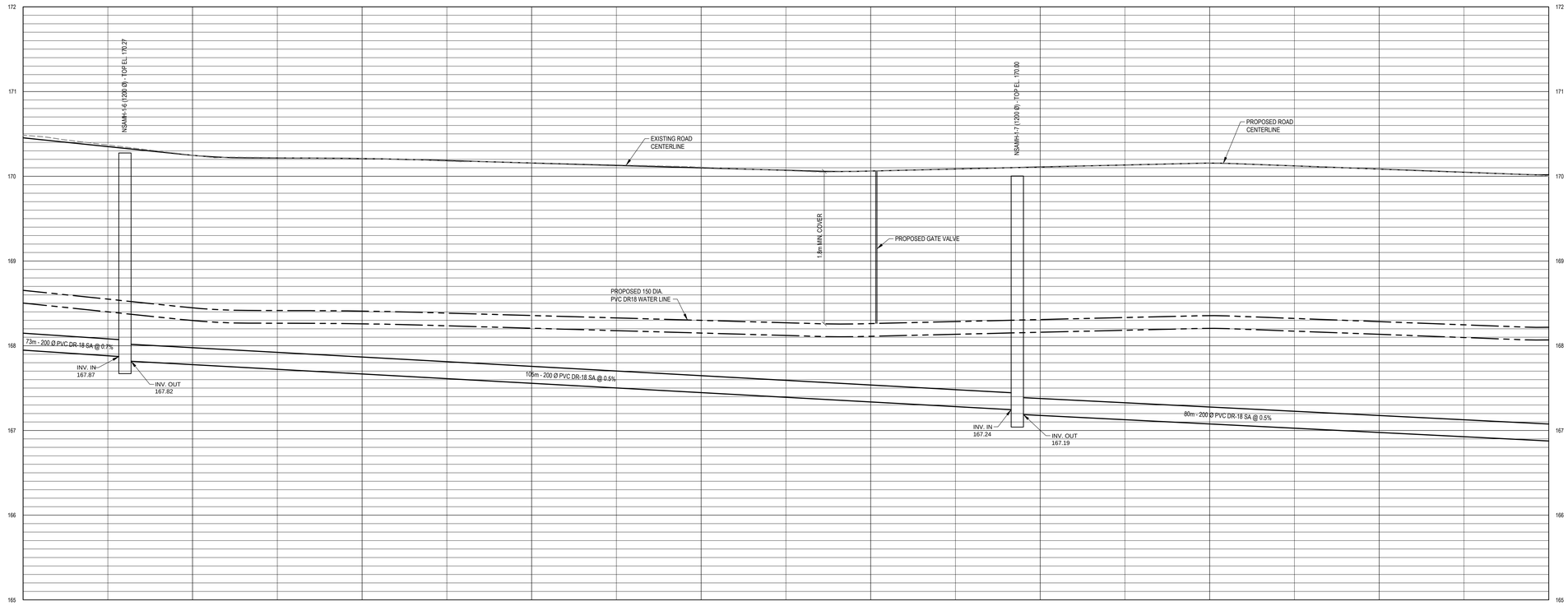
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JUSTIN.THETHEWAY

4/6/2017 3:49 PM





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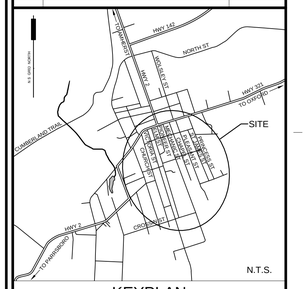
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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
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- EXISTING WATER VALVE
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- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4/7/2017
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE CHURCH STREET STA. 0+540 TO 0+720

Project No.

HFX-00235652-A0

Dwg. No.

C-103

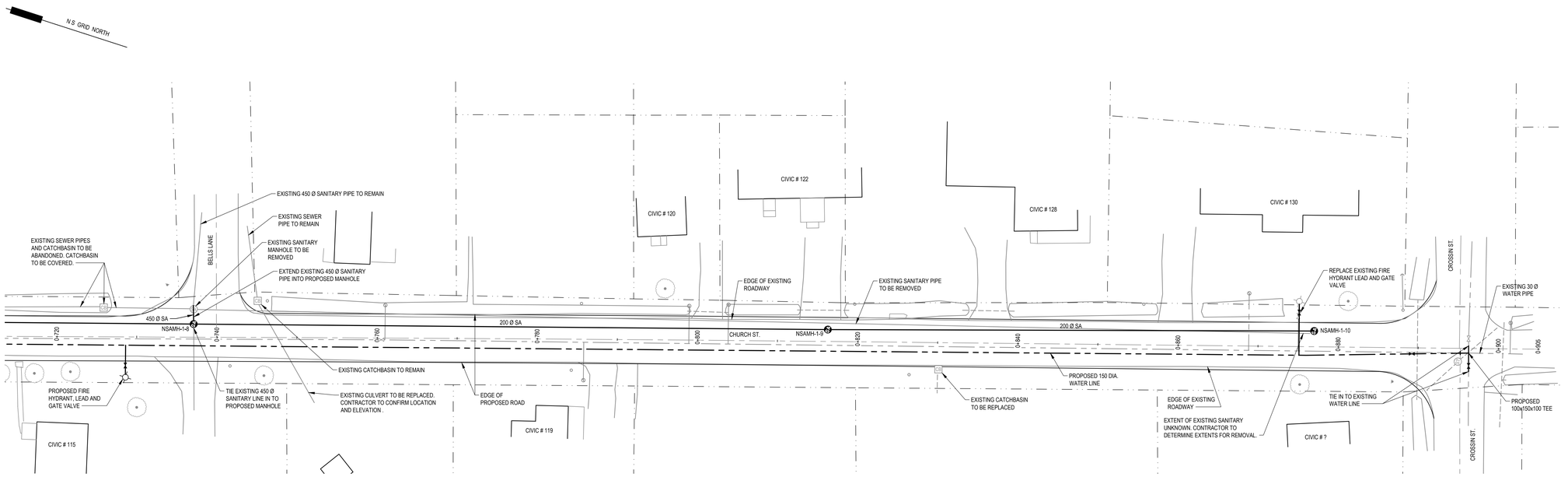
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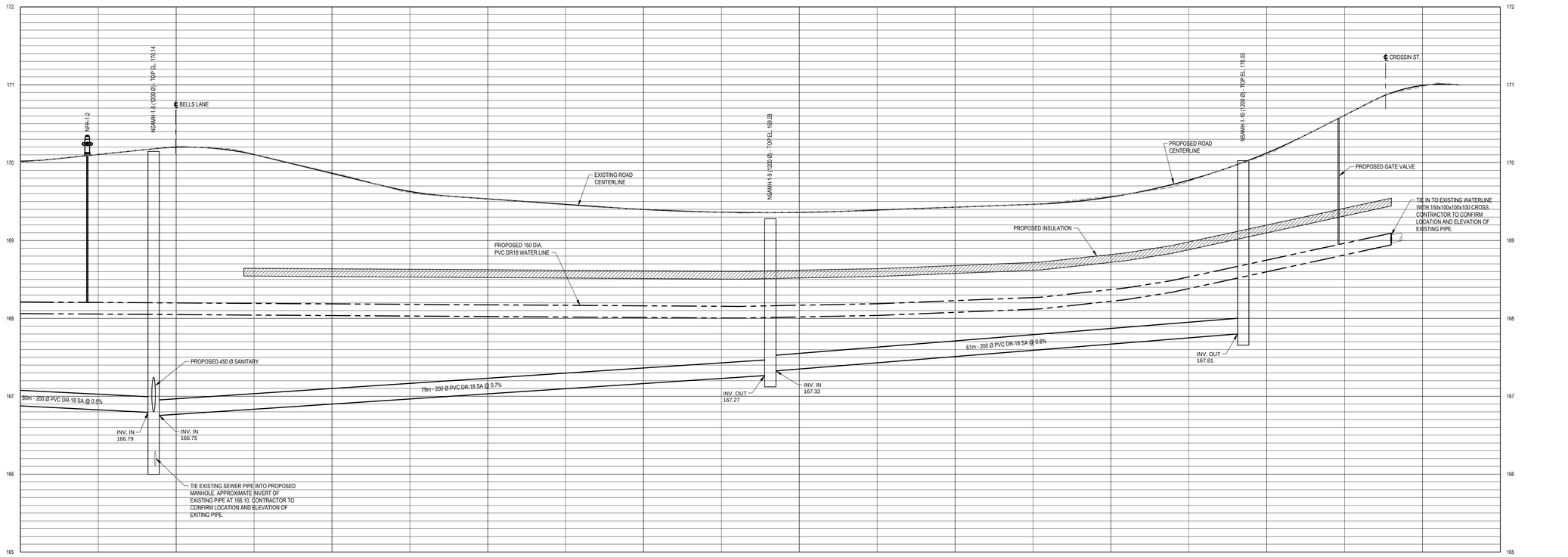
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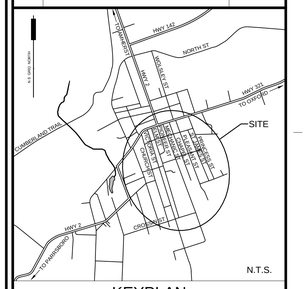
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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
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- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4/7/2017
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE CHURCH STREET STA. 0+720 TO 0+905

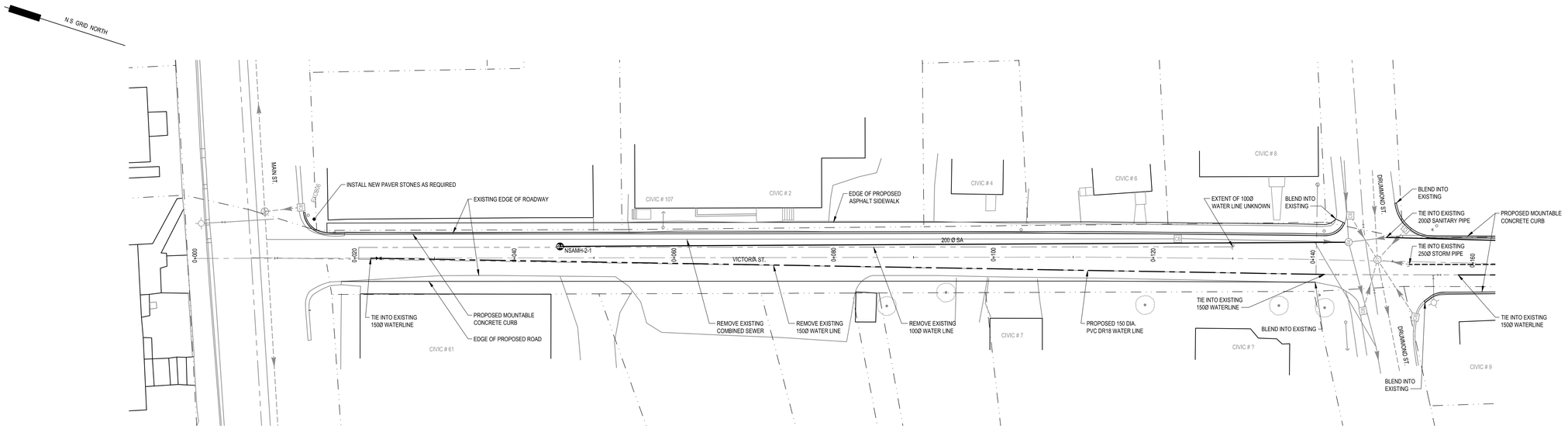
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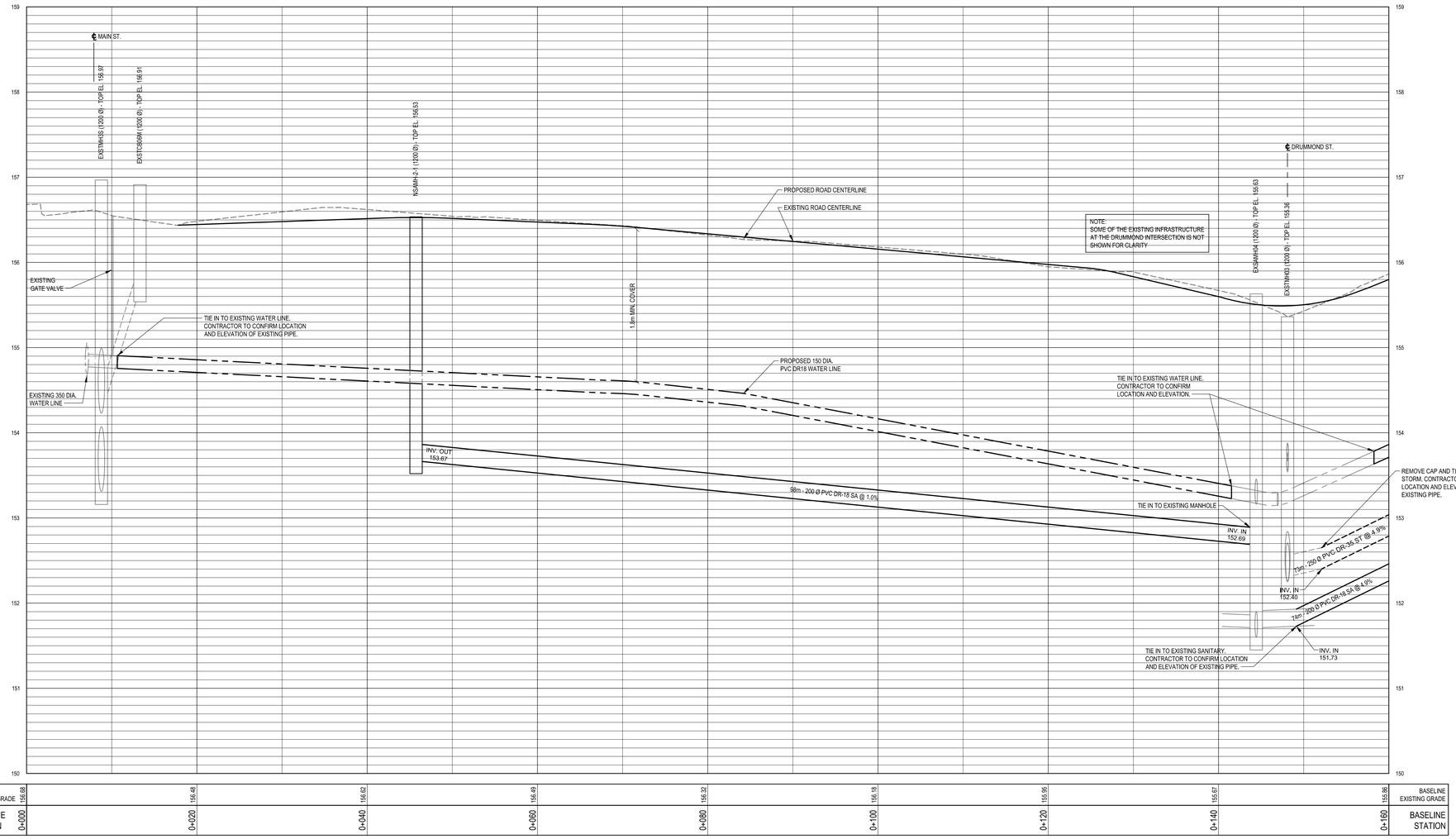
Dwg. No.
C-104

Rev. No.
0

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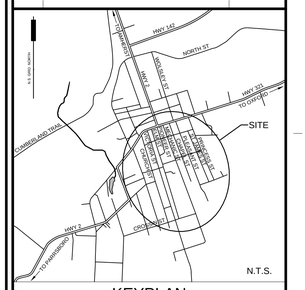
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BASELINE STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	BASELINE STATION

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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE VICTORIA STREET STA. 0+000 TO 0+160

Project No.

HFX-00235652-A0

Dwg. No.	Rev. No.
C-200	0

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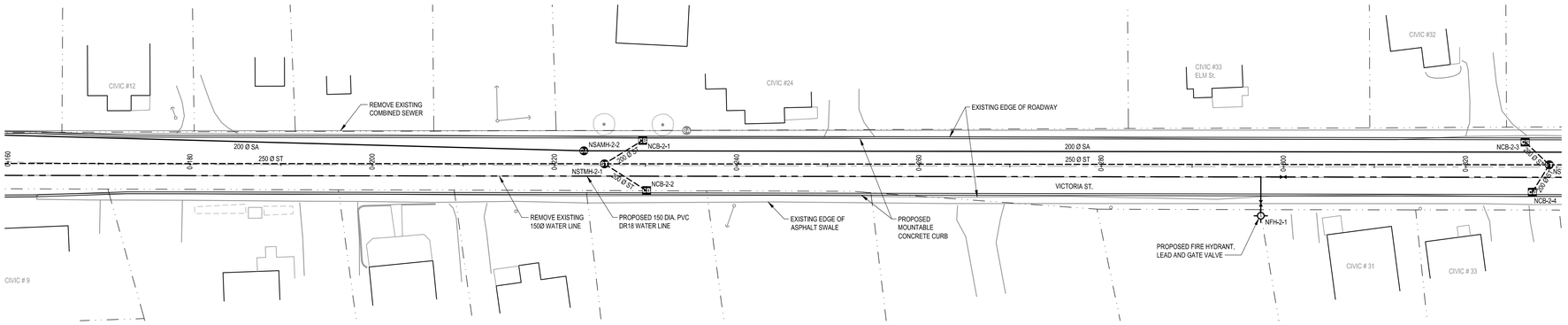
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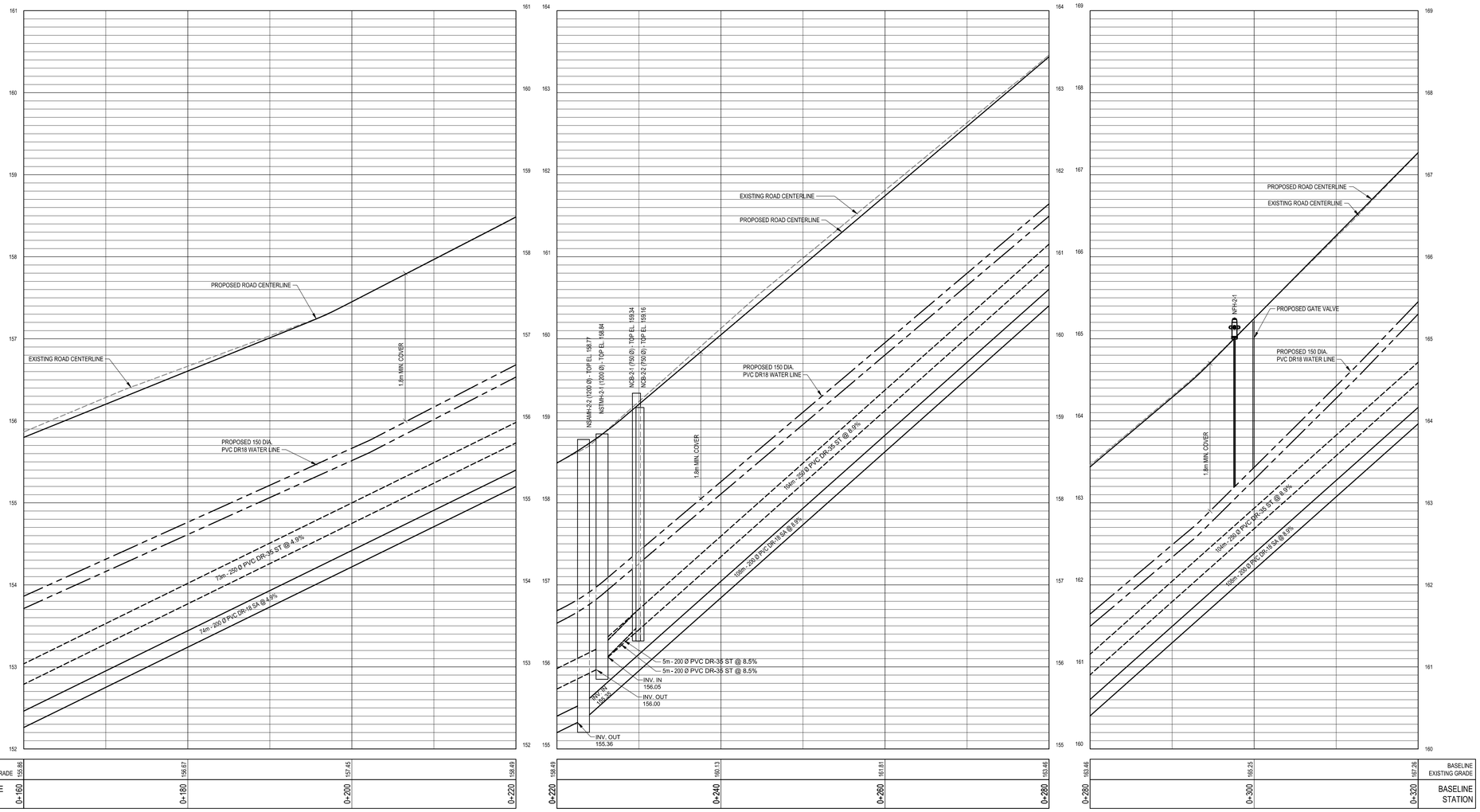
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JUSTIN.THETHEWEY

4/6/2017 7:49 PM

N.S. GRID NORTH





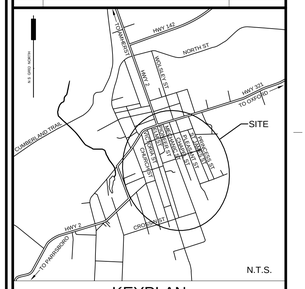
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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE VICTORIA STREET STA. 0+160 TO 0+320

Project No.
HFX-00235652-A0

Dwg. No.
C-201

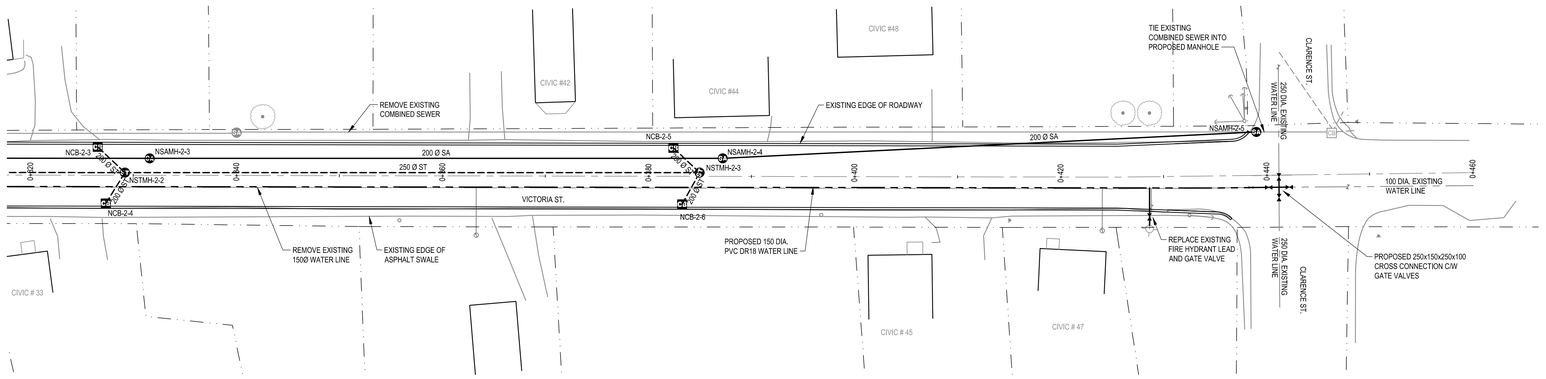
Rev. No.
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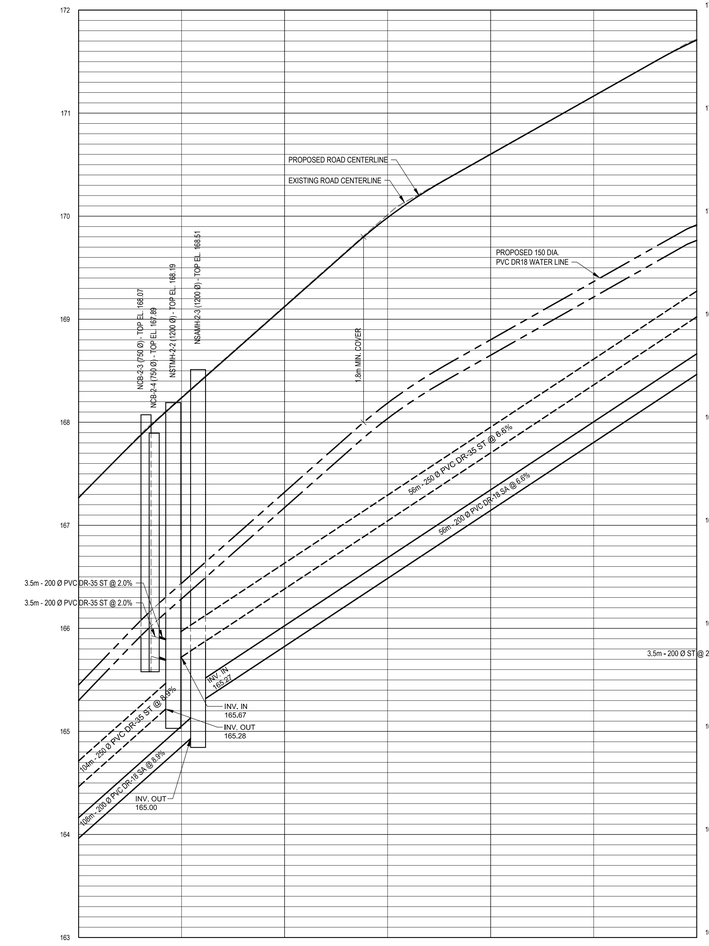
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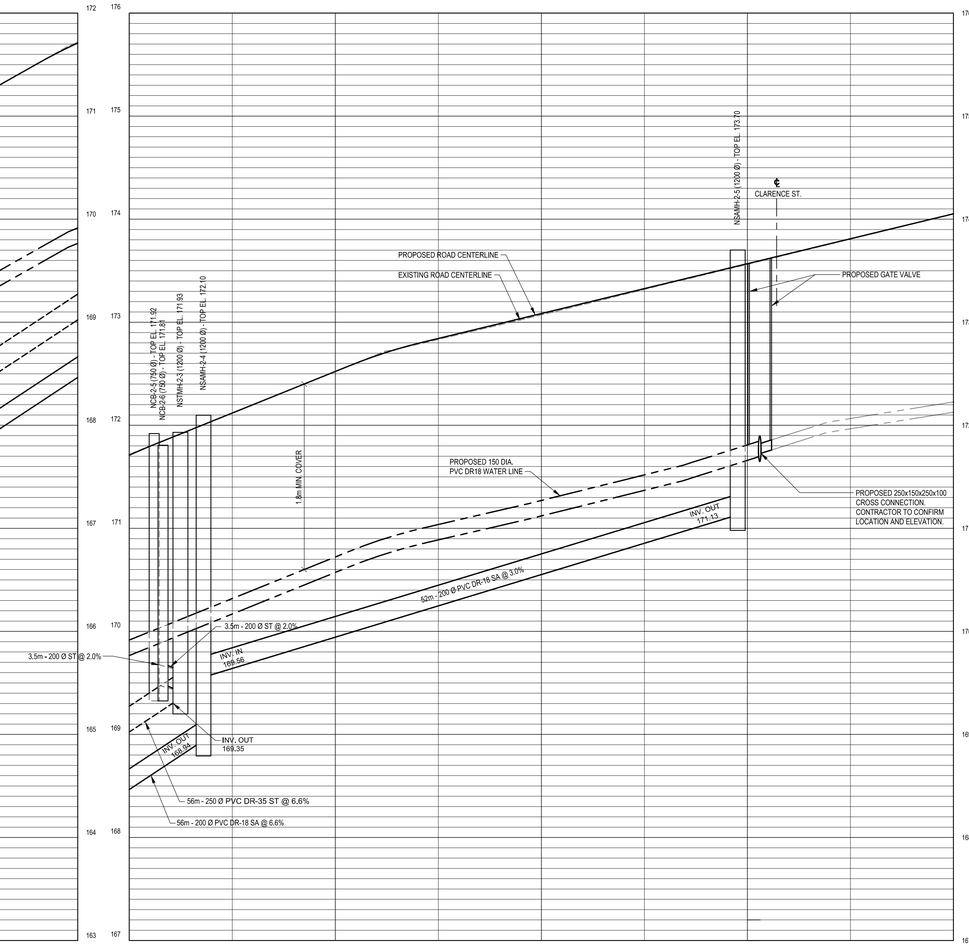
JUSTIN TRETHEWEY

4/6/2017 3:49 PM

N.S. GRID NORTH







BASELINE EXISTING GRADE	167.76	169.13	170.60	171.72
BASELINE STATION	0+320	0+340	0+360	0+380

BASELINE EXISTING GRADE	171.72	172.52	173.07	173.56	174.05
BASELINE STATION	0+380	0+400	0+420	0+440	0+460

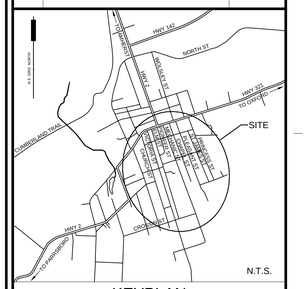
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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE VICTORIA STREET STA. 0+320 TO 0+460

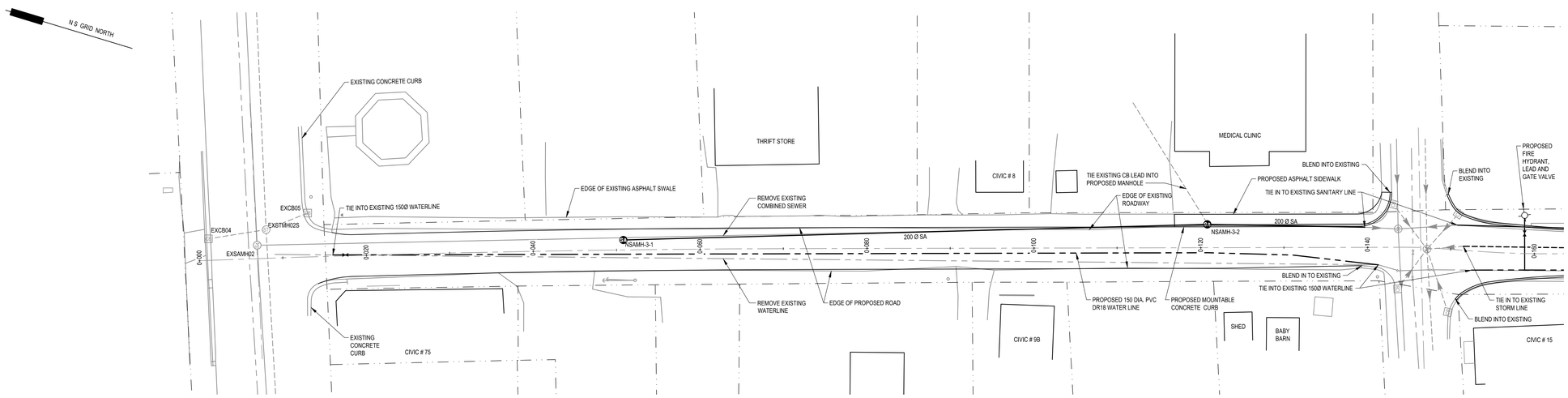
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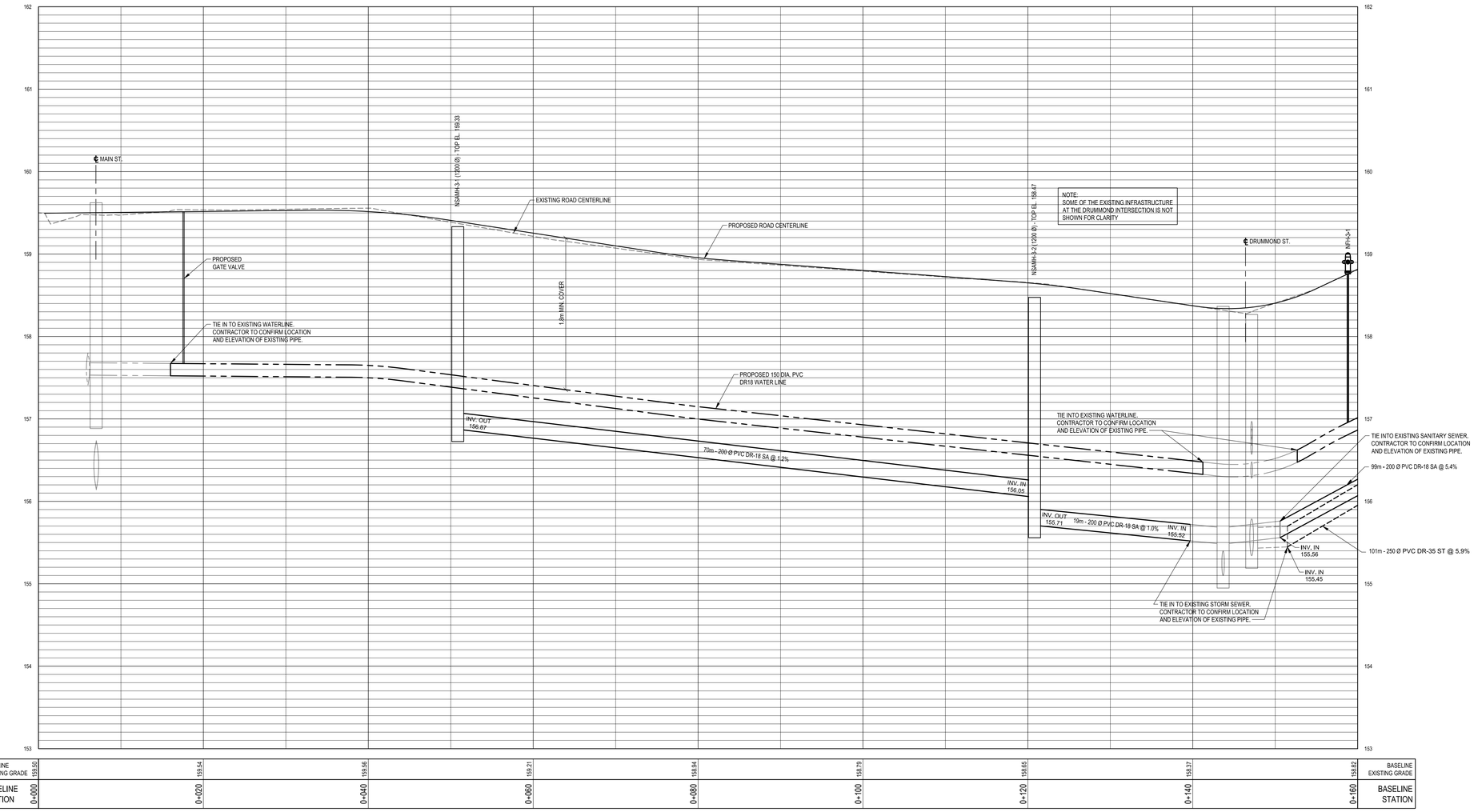
HFX-00235652-A0

Dwg. No.	Rev. No.
C-202	0

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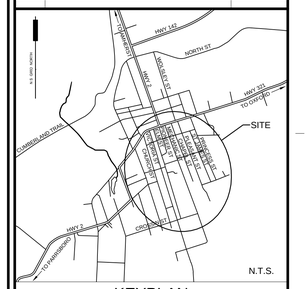
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BASELINE STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	BASELINE STATION

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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE: 4 / 7 / 17
STACY D. MUISE
7772

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE ELM STREET STA. 0+000 TO 0+160

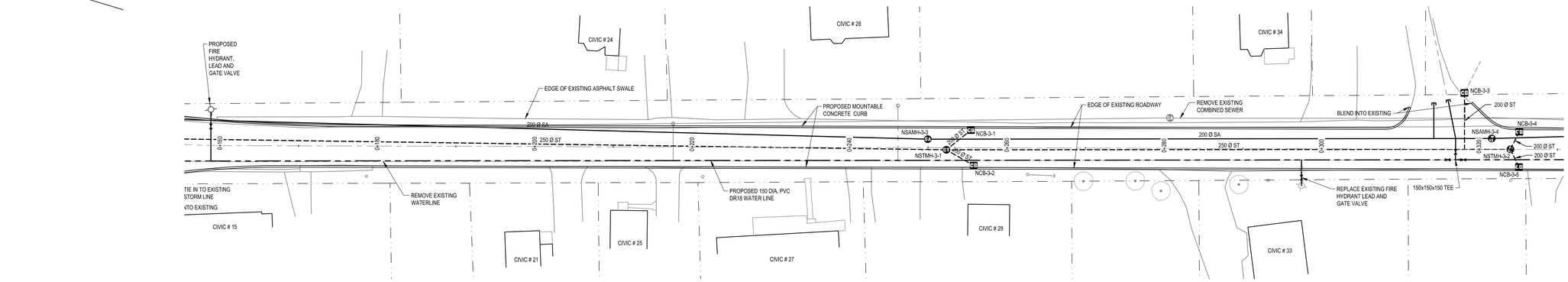
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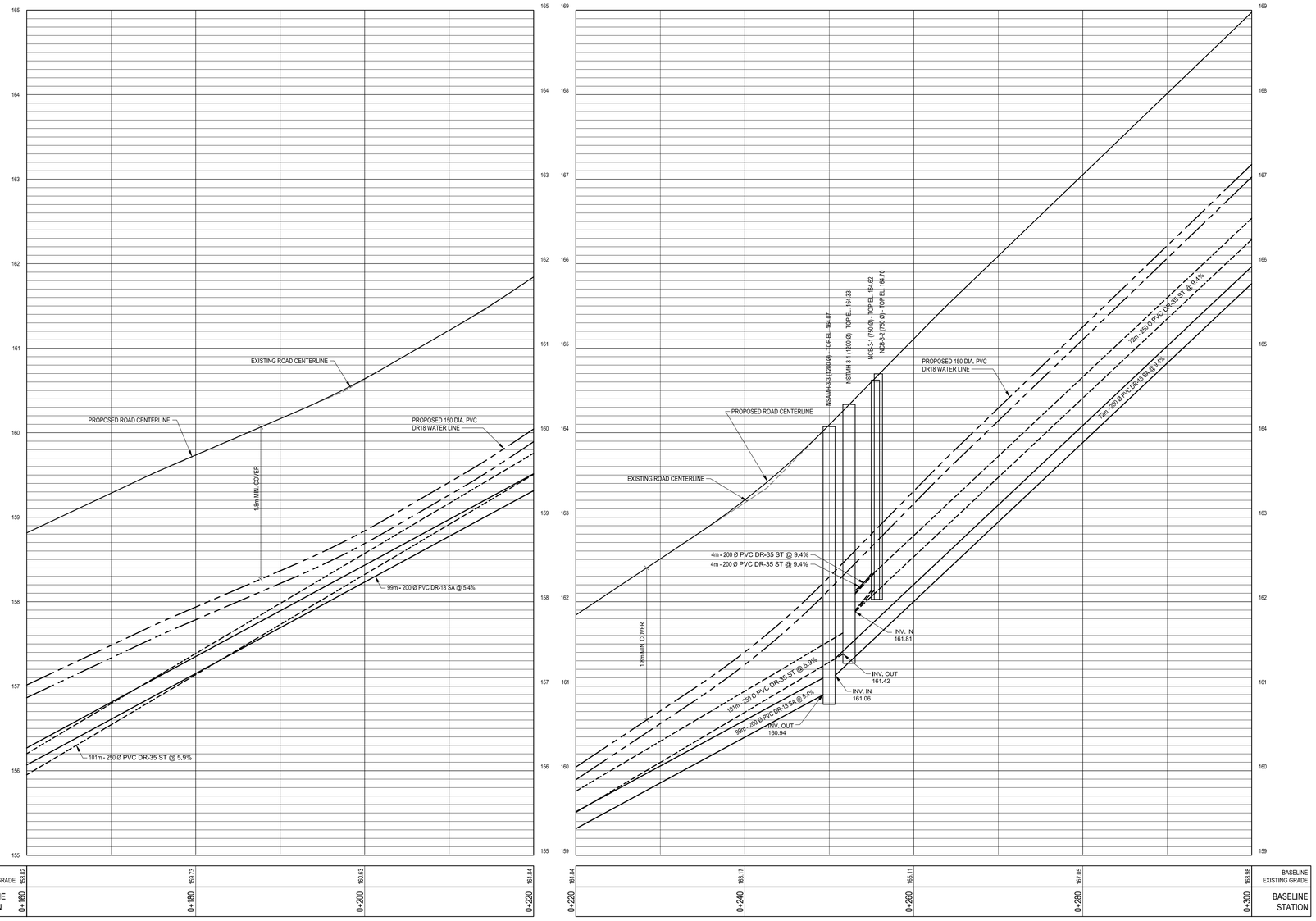
HFX-00235652-A0

Dwg. No.	Rev. No.
C-300	0

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JUSTIN THISTHEWAY
4/6/2017 3:55 PM





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BASELINE STATION	0+160	0+180	0+200	0+220

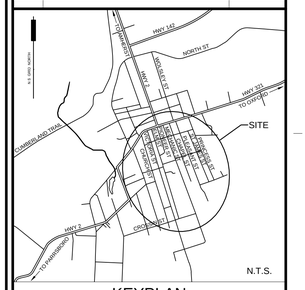
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BASELINE STATION	0+220	0+240	0+260	0+280	0+300	BASELINE STATION

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No.	Issue	Date



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KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
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- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4/7/2017
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

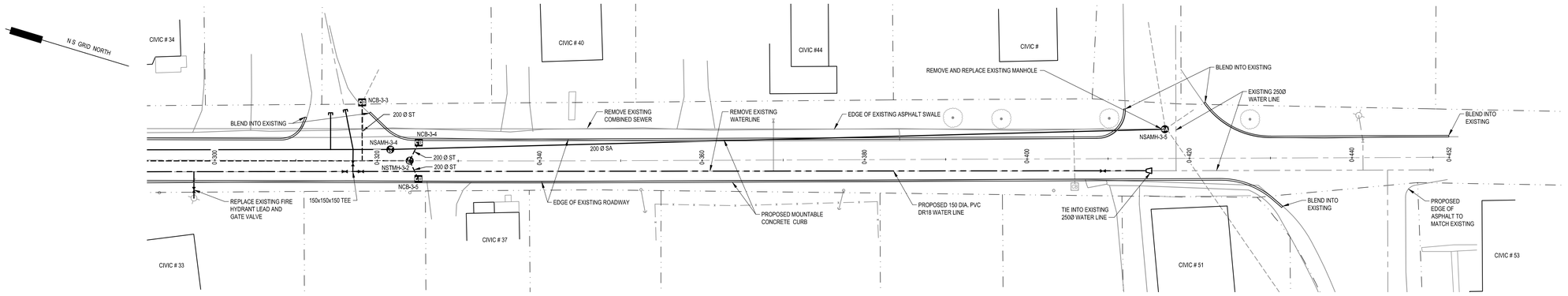
PLAN AND PROFILE ELM STREET STA. 0+160 TO 0+320

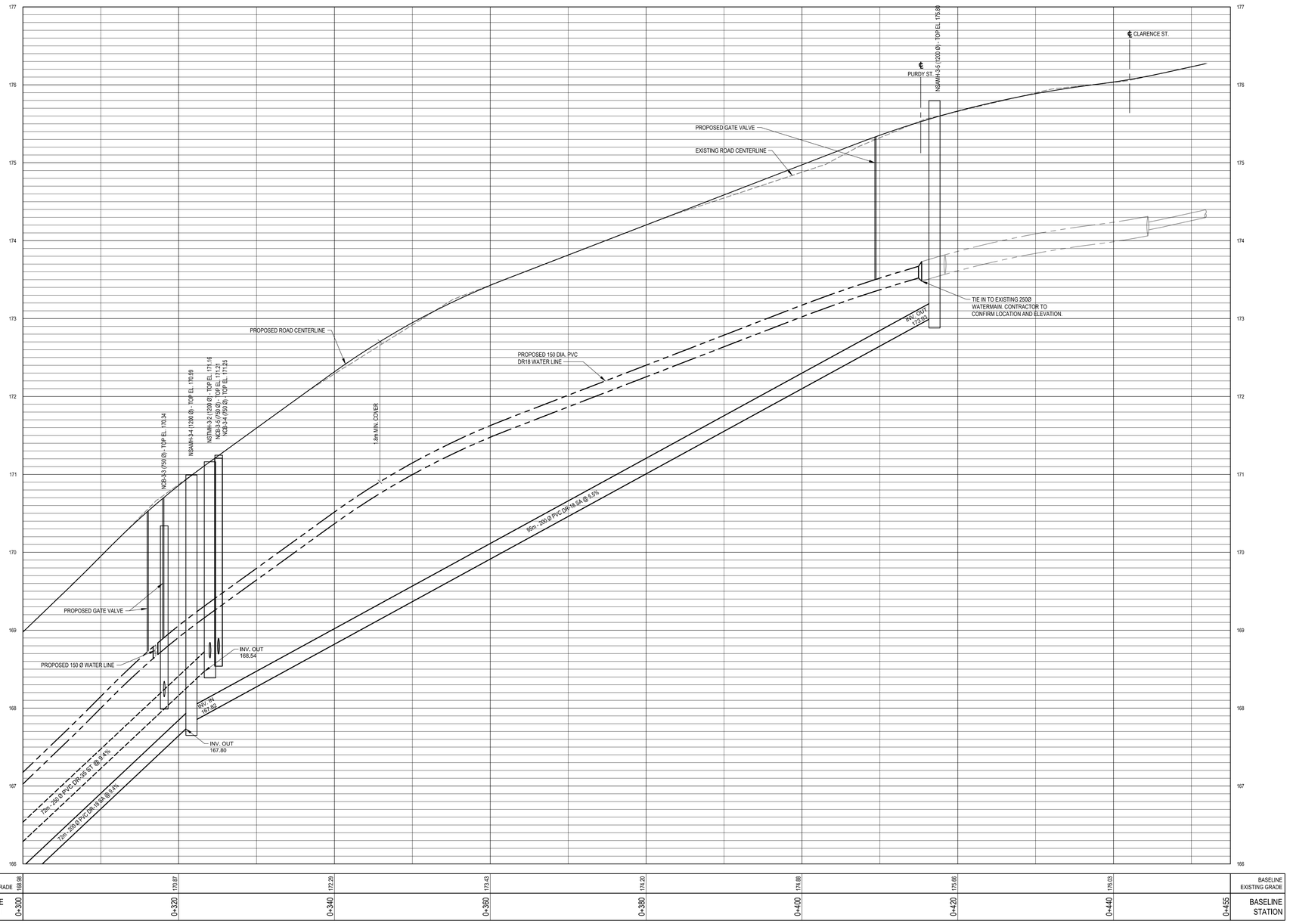
Project No.
HFX-00235652-A0

Dwg. No.
C-301

Rev. No.
0

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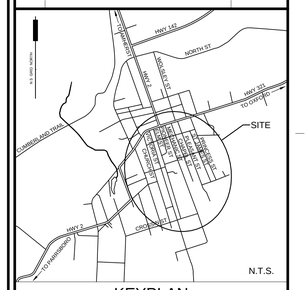


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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
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- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
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- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
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- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4/7/17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE ELM STREET STA. 0+320 TO 0+452

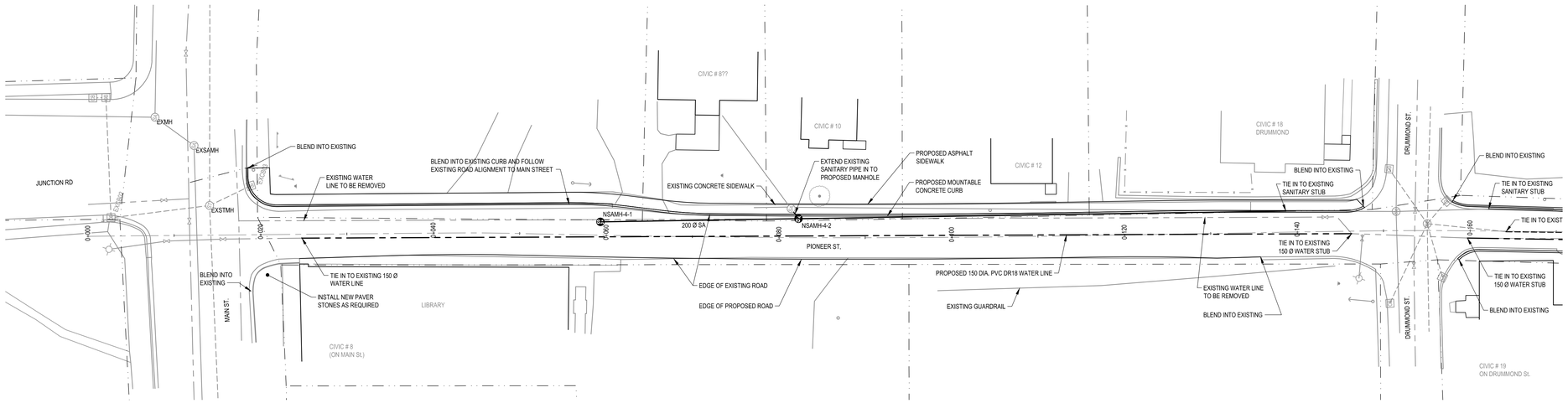
Project No.
HFX-00235652-A0

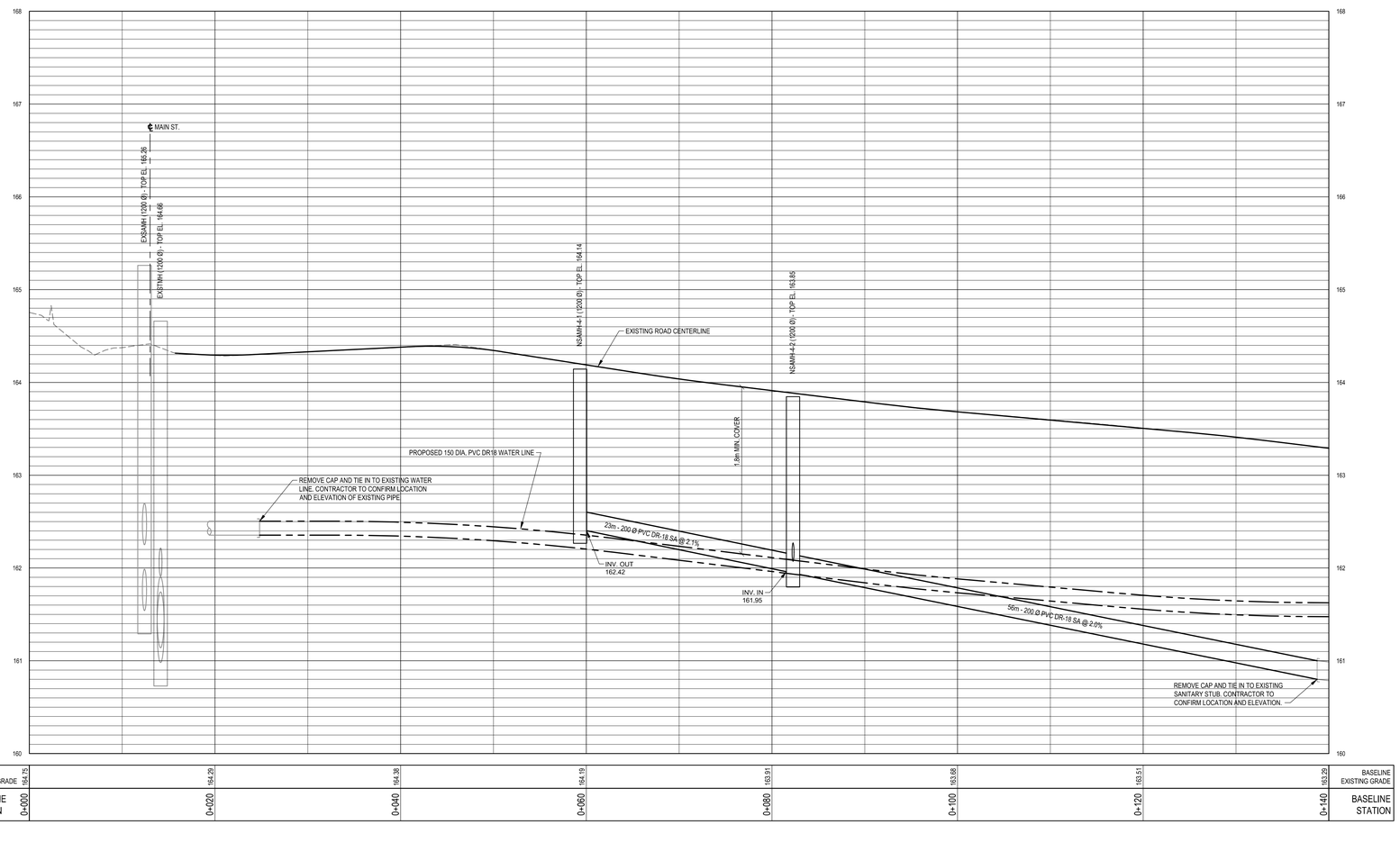
Dwg. No.
C-302

Rev. No.
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4/6/2017 2:55 PM





BASELINE EXISTING GRADE	164.75	164.29	164.38	164.19	163.91	163.68	163.51	163.29	BASELINE EXISTING GRADE
BASELINE STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	BASELINE STATION

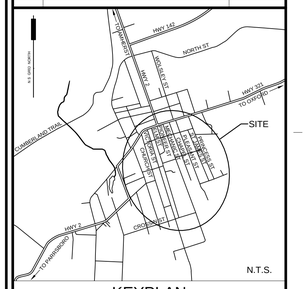
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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
STACY D. MUISE
7772
DATE: 4 / 7 / 17
PROVINCE OF NOVA SCOTIA

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE PIONEER STREET STA. 0+000 TO 0+150

Project No.

HFX-00235652-A0

Dwg. No.

C-400

Rev. No.

0

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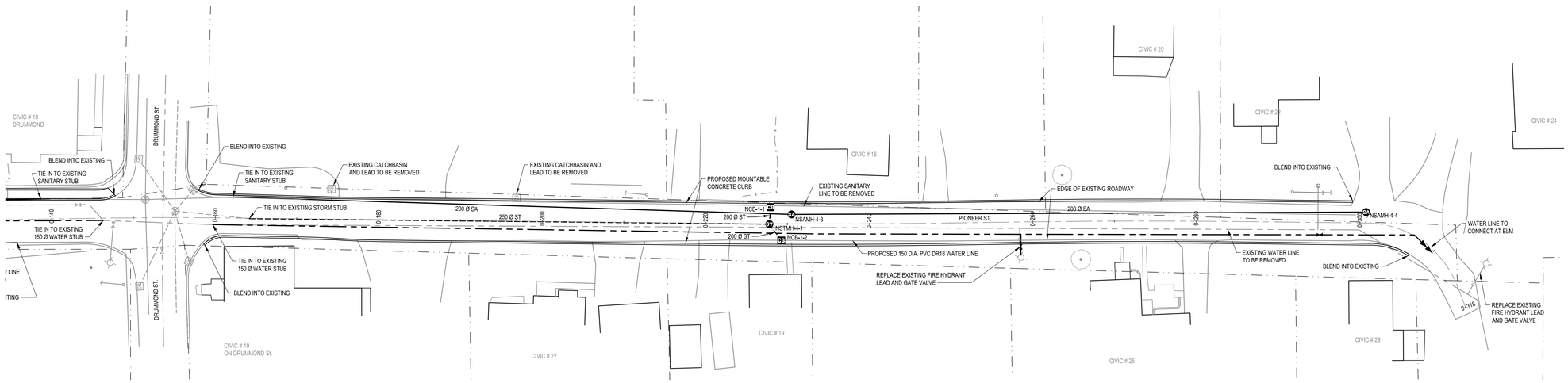
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JUSTIN THISTHEWAY

4/6/2017 3:51 PM





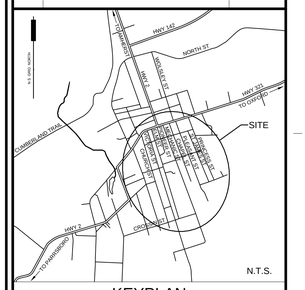
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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE: 4/7/17
STACY D. MUISE
7772

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE PIONEER STREET STA. 0+150 TO 0+310

Project No.
HFX-00235652-A0

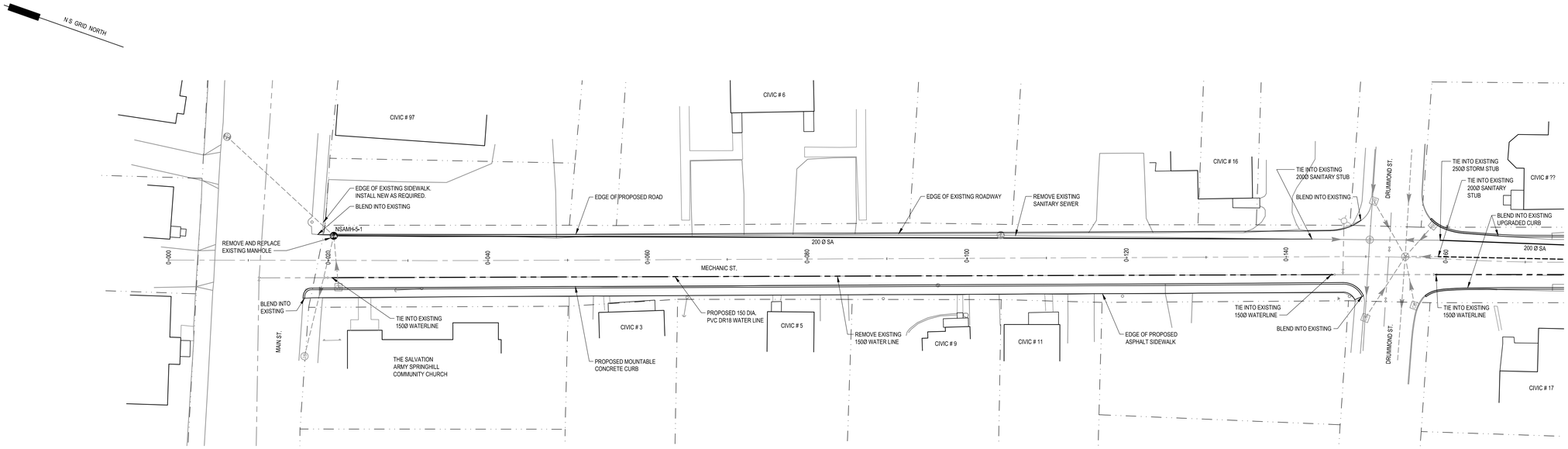
Dwg. No.
C-401

Rev. No.
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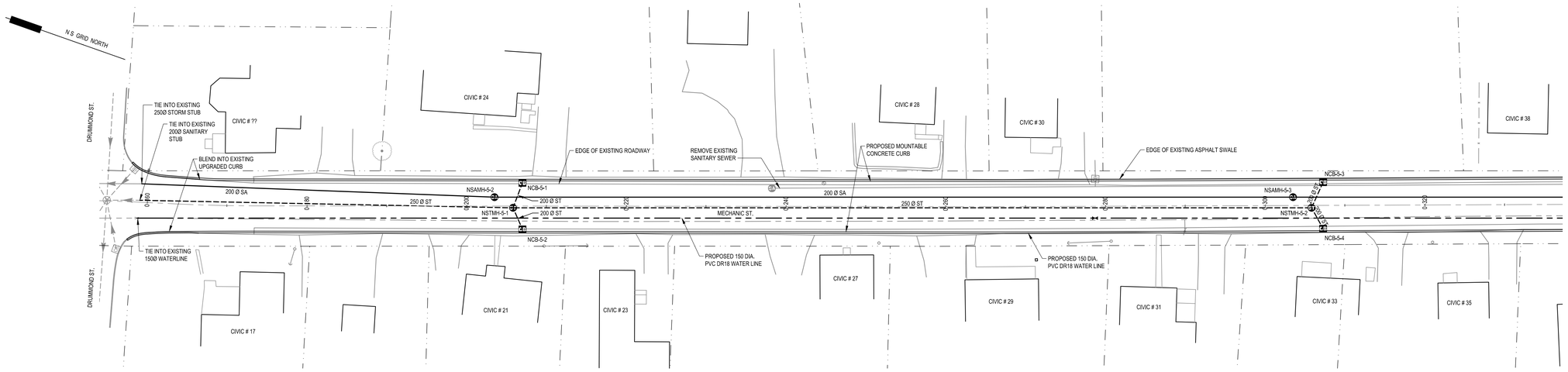
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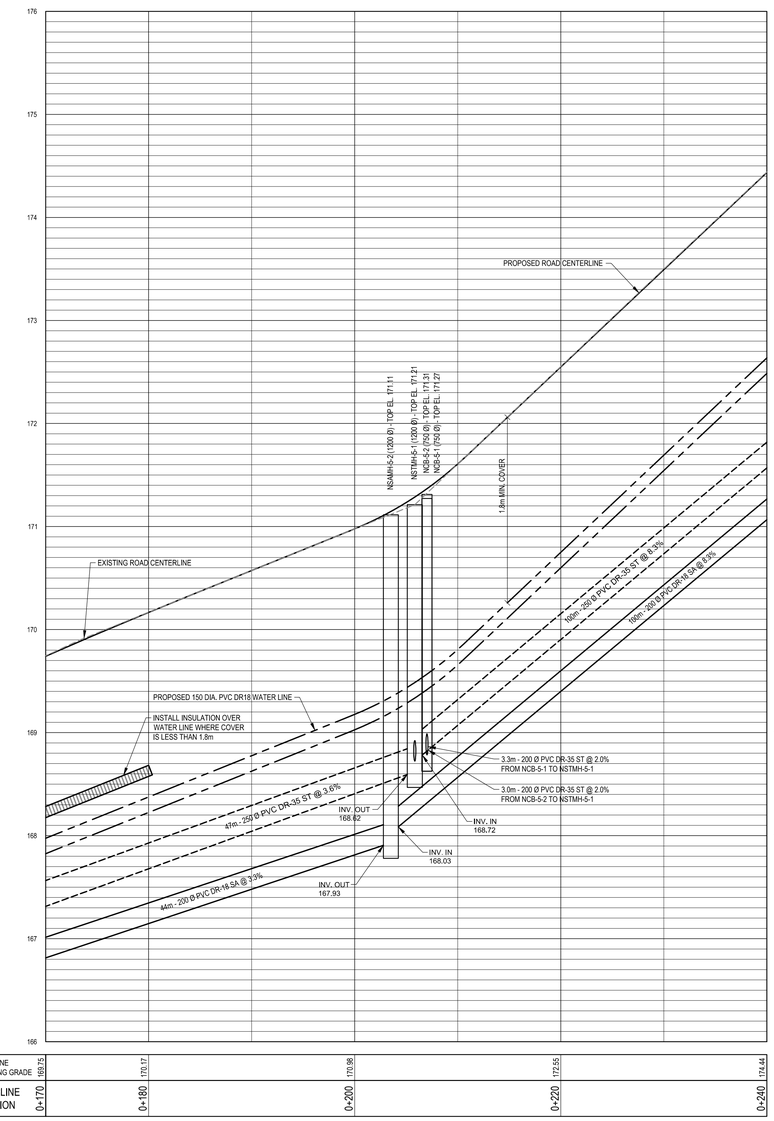
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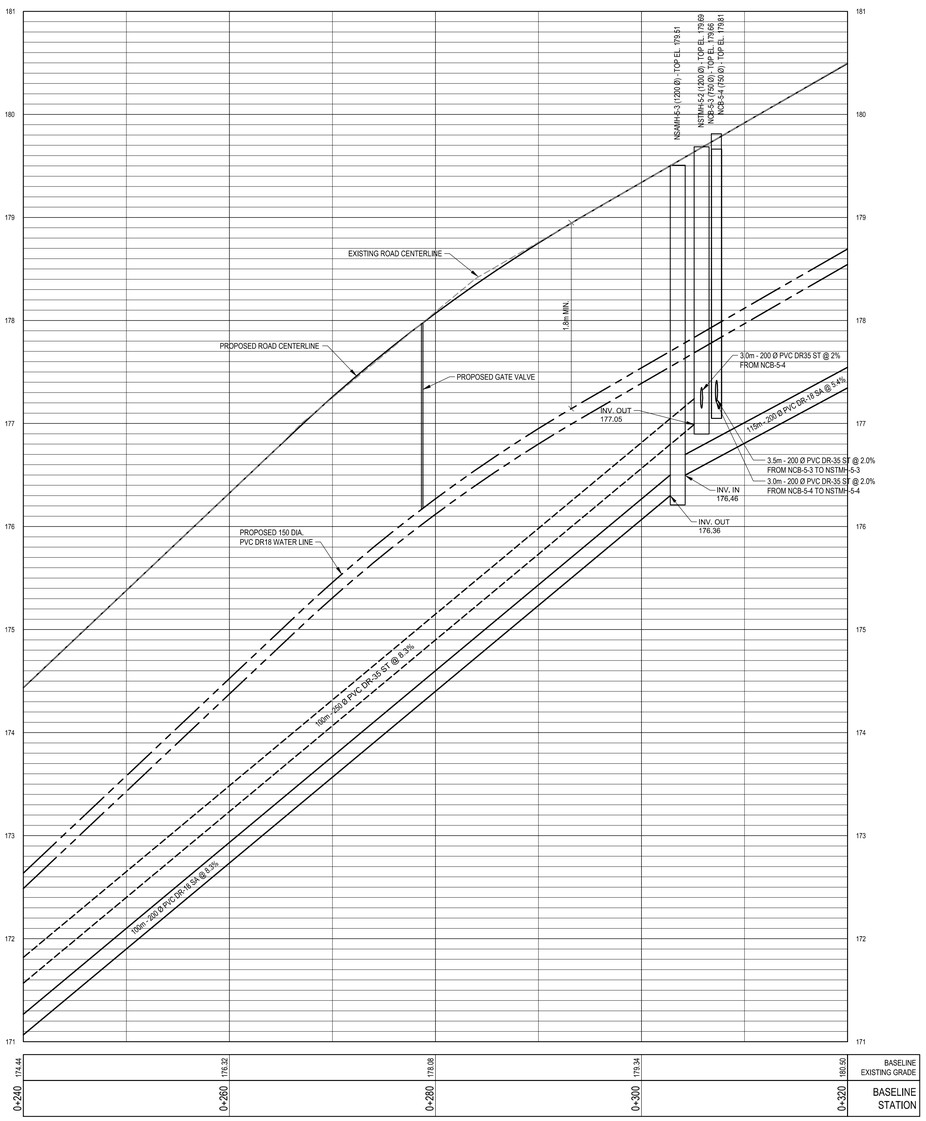


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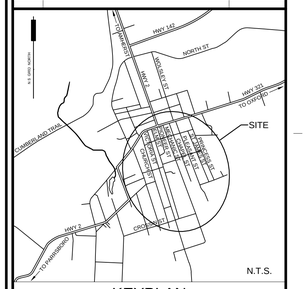


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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE MECHANIC STREET STA. 0+160 TO 0+320

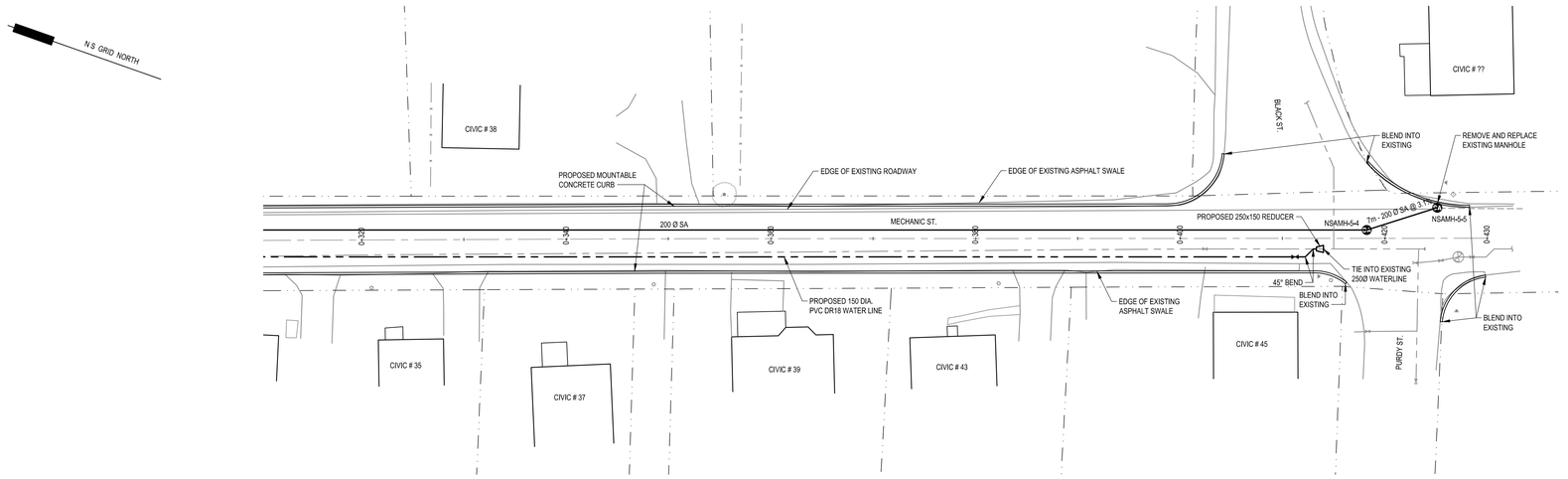
Project No. HFX-00235652-A0

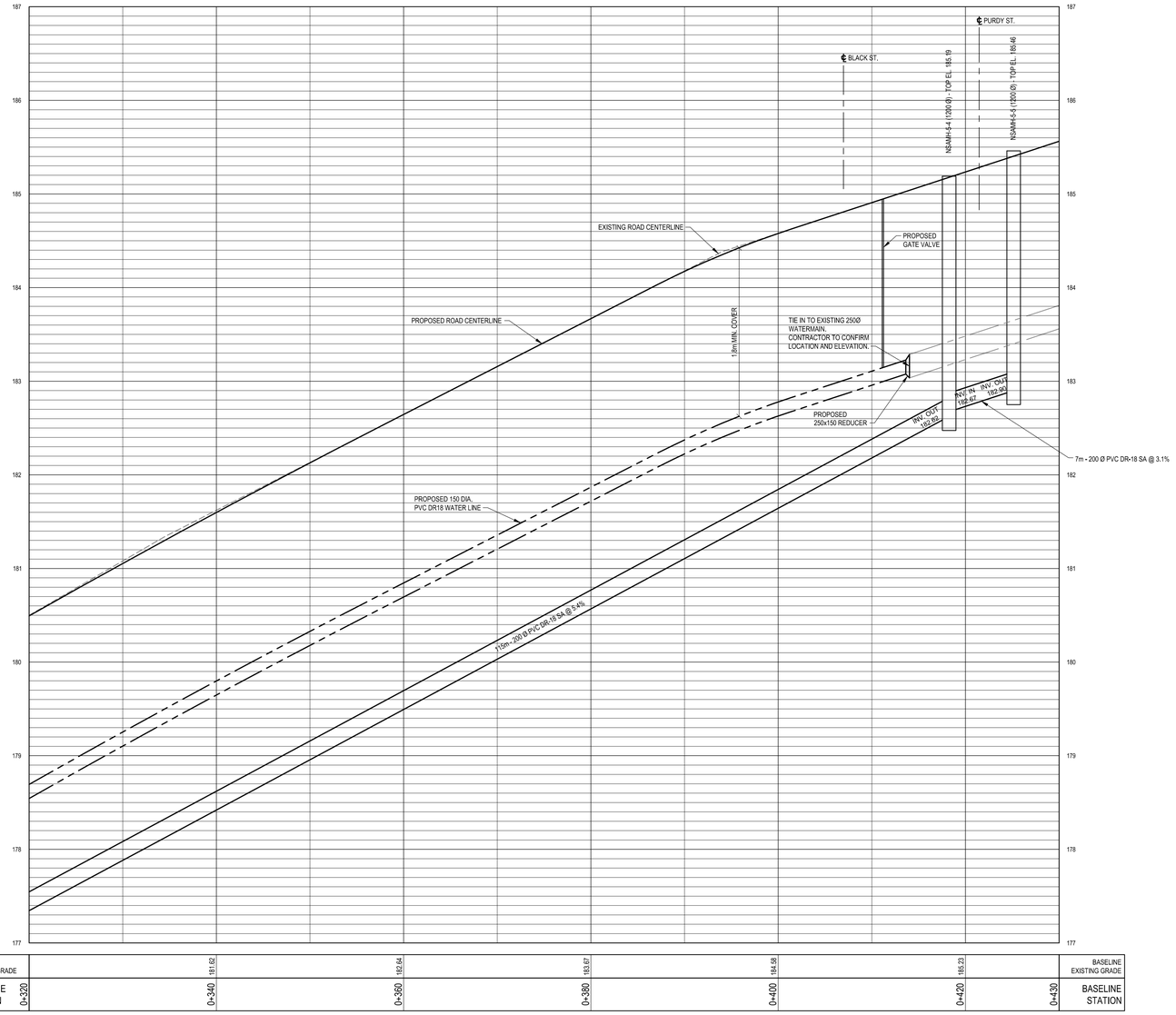
Dwg. No. **C-501**

Rev. No. 0

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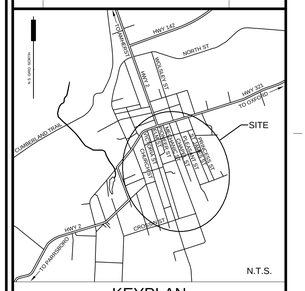
BASELINE EXISTING GRADE		181.62	182.84	183.67	184.58	185.23	BASELINE EXISTING GRADE
BASELINE STATION	0+320	0+340	0+360	0+380	0+400	0+420	0+430 BASELINE STATION

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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg. Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE MECHANIC STREET STA. 0+320 TO 430

Project No.

HFX-00235652-A0

Dwg. No.

C-502

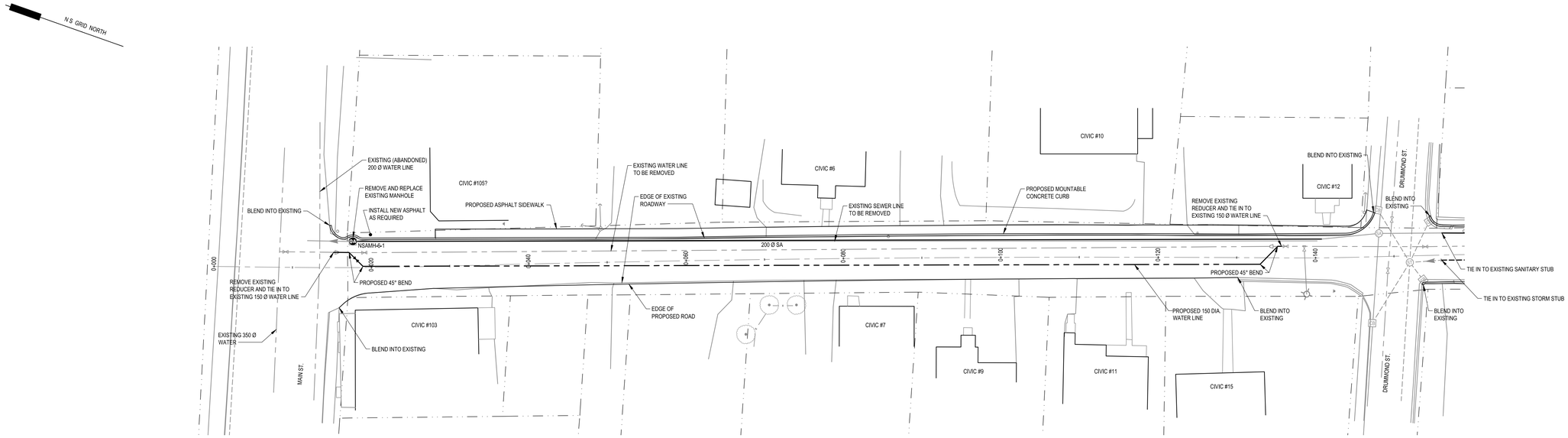
Rev. No.

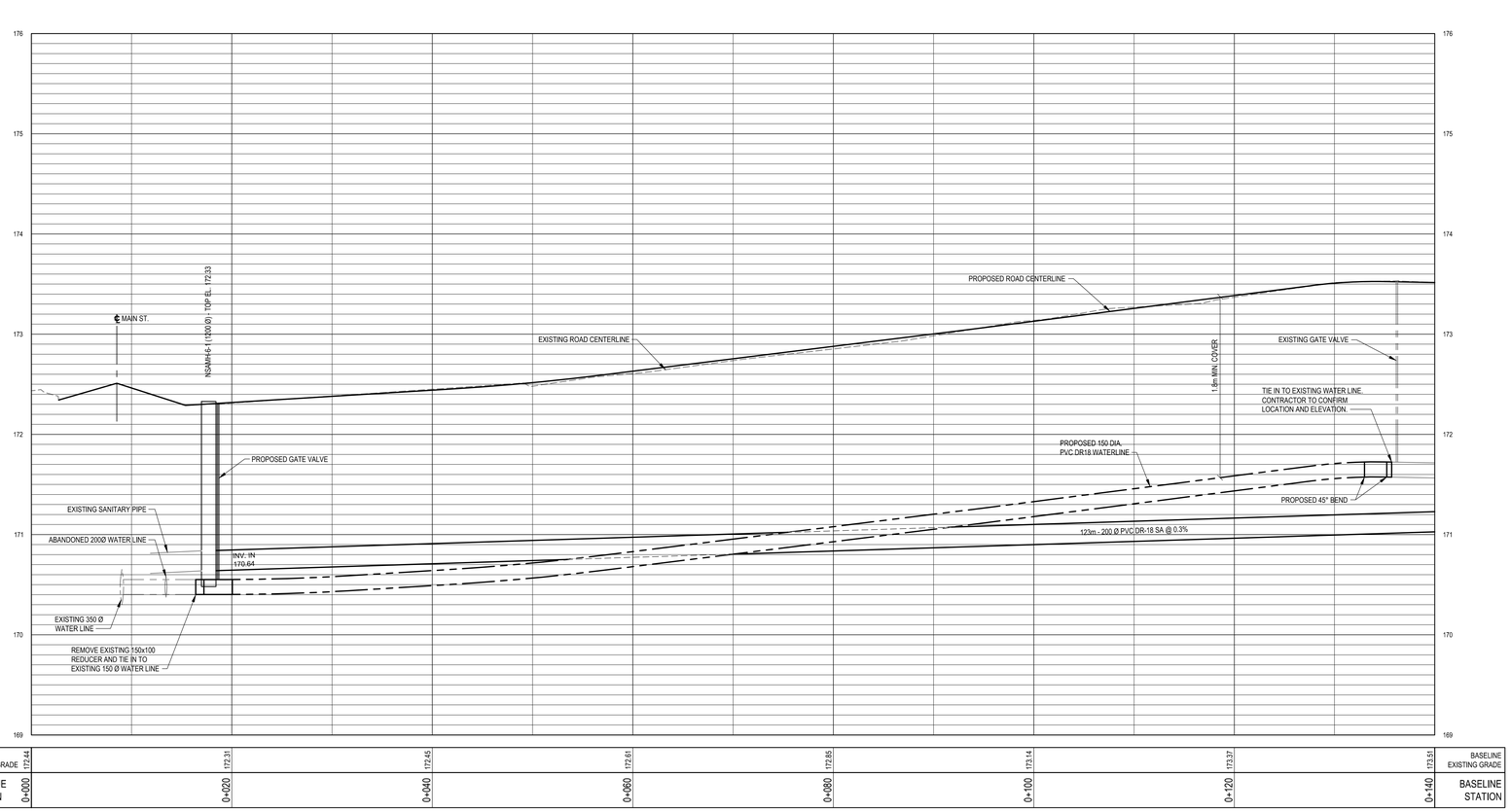
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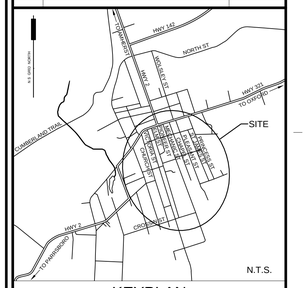


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KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
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- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
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- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

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Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE CHAPEL STREET STA. 0+000 TO 0+150

Project No. HFX-00235652-A0

Dwg. No. **C-600**

Rev. No. 0

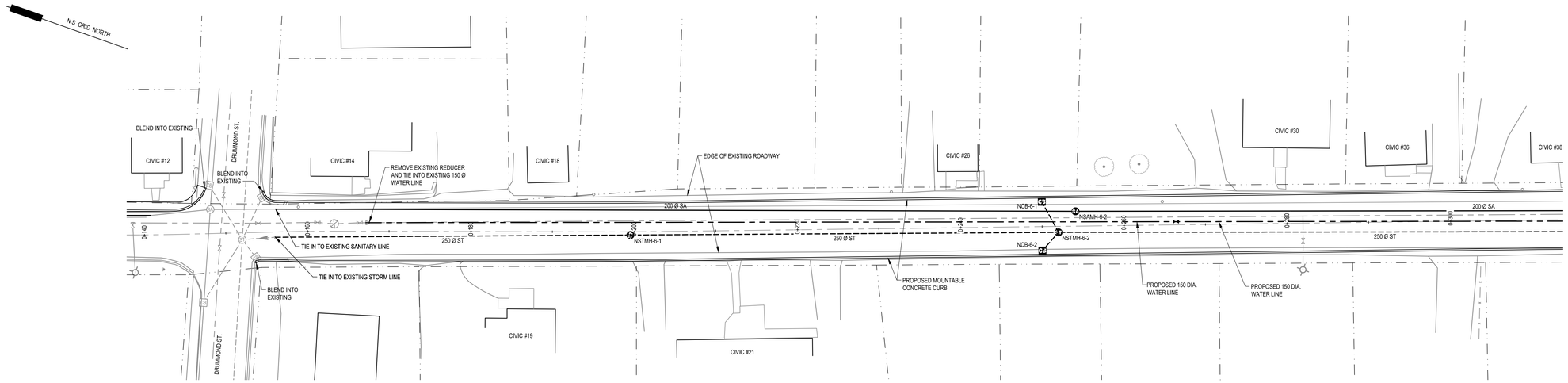
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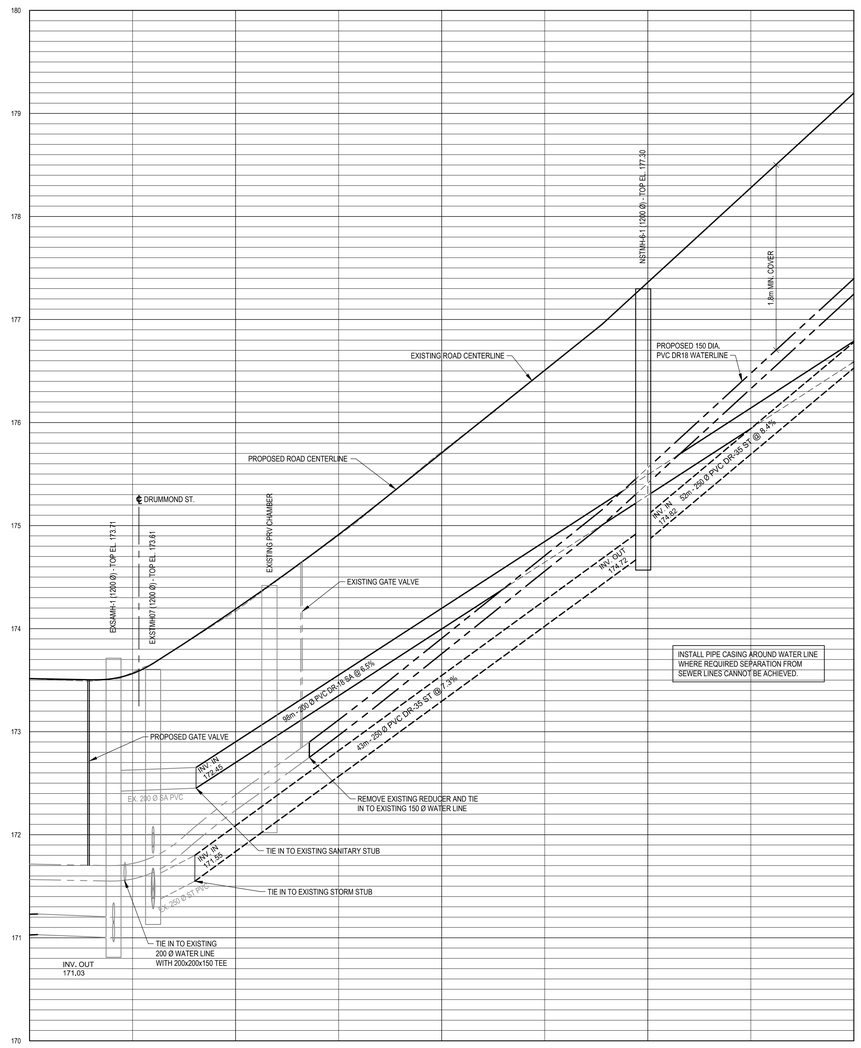
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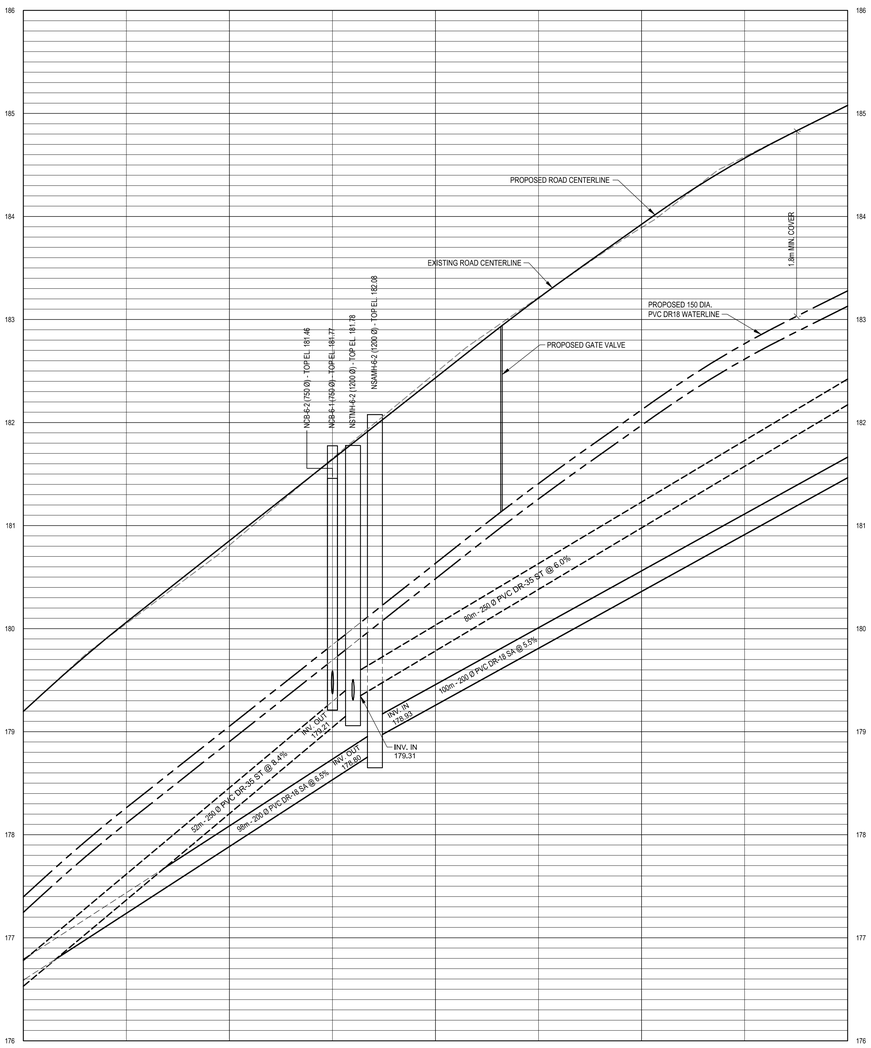
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JUSTIN TRITCHEWEY

8/2/2017 3:52 PM







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BASELINE STATION	0+140	0+160	0+180	0+200	0+220

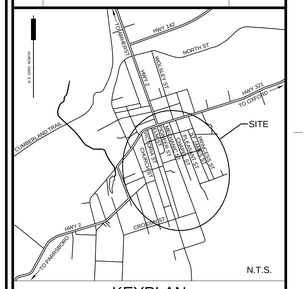
BASELINE EXISTING GRADE	179.20	180.81	182.48	183.89	185.66	BASELINE EXISTING GRADE
BASELINE STATION	0+220	0+240	0+260	0+280	0+300	BASELINE STATION

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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
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- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE CHAPEL STREET STA. 0+150 TO 0+300

Project No. HFX-00235652-A0

Dwg. No. **C-601**

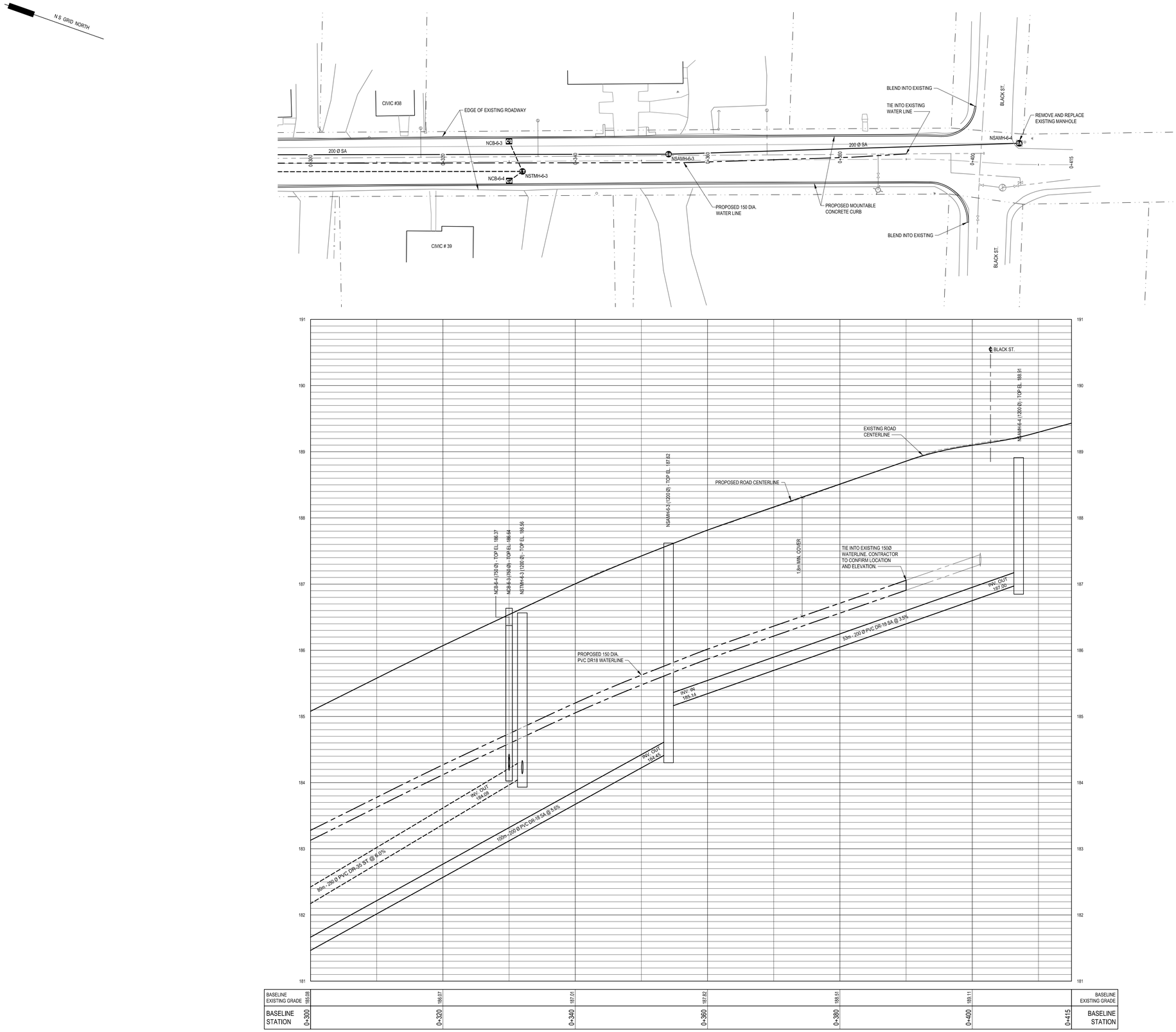
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4/6/2017 3:43 PM



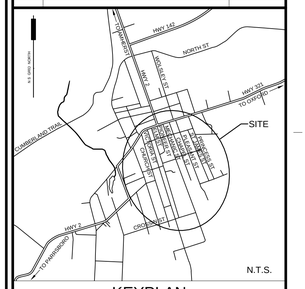
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No.	Issue	Date



N.T.S.

KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
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- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE: 4 / 7 / 17
STACY D. MUISE
7772

Drawn By:	WHC
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE CHAPEL STREET STA. 0+300 TO 0+410

Project No.

HFX-00235652-A0

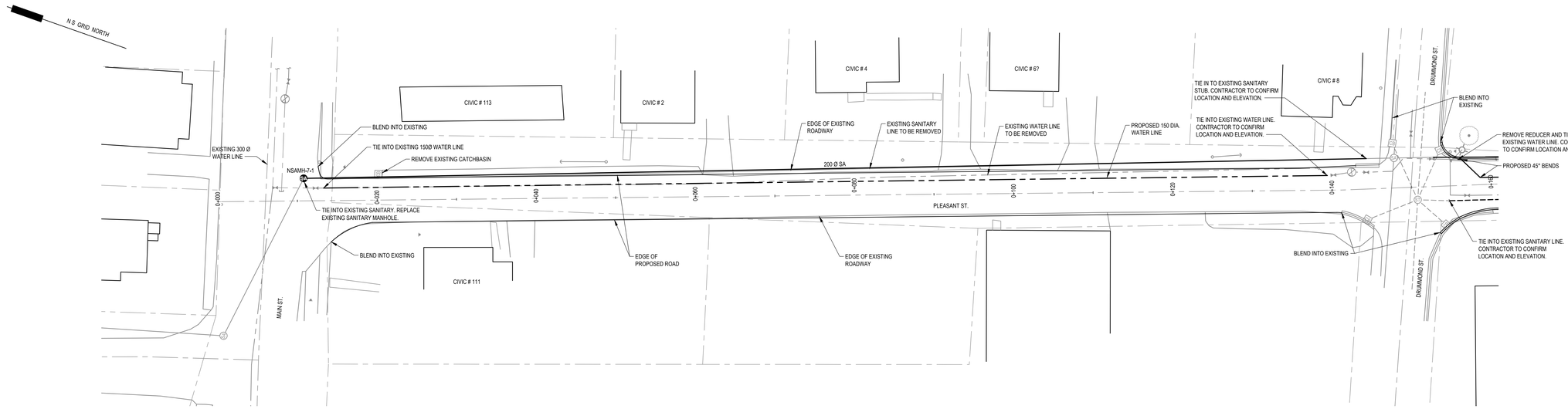
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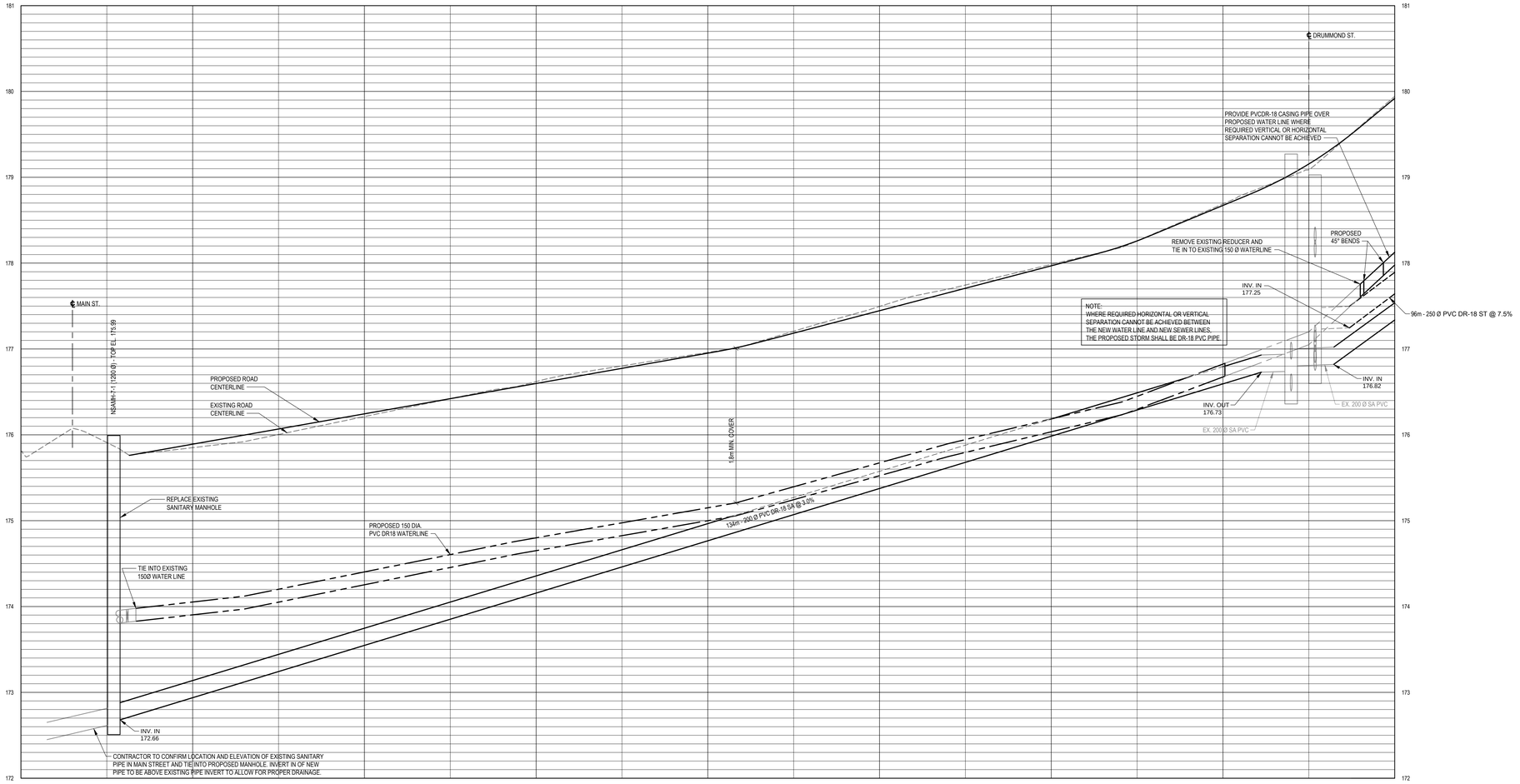
C-602

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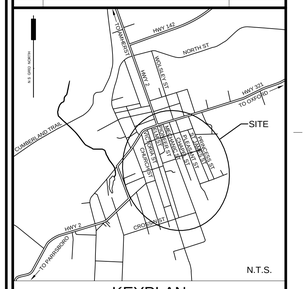
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BASELINE STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	BASELINE STATION

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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE PLEASANT STREET STA. 0+000 TO 0+160

Project No.

HFX-00235652-A0

Dwg. No.

C-700

Rev. No.

0

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81

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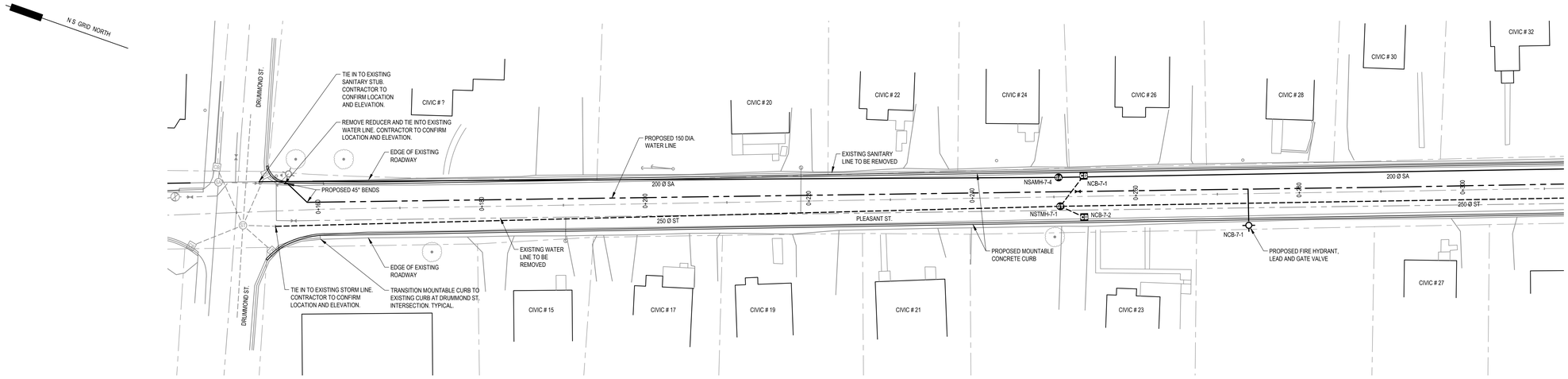
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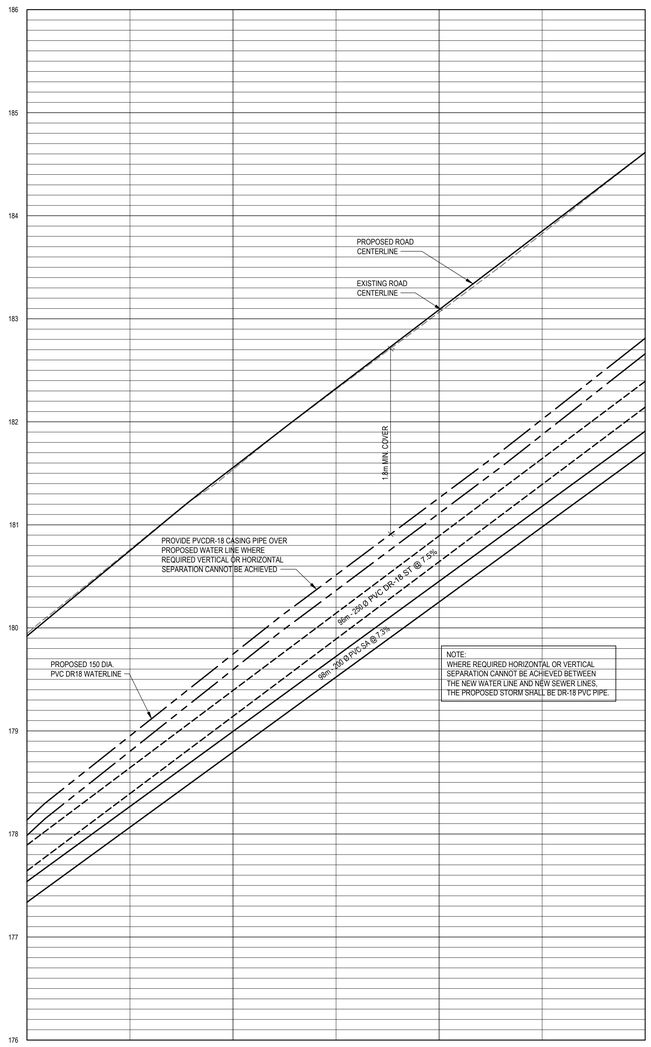
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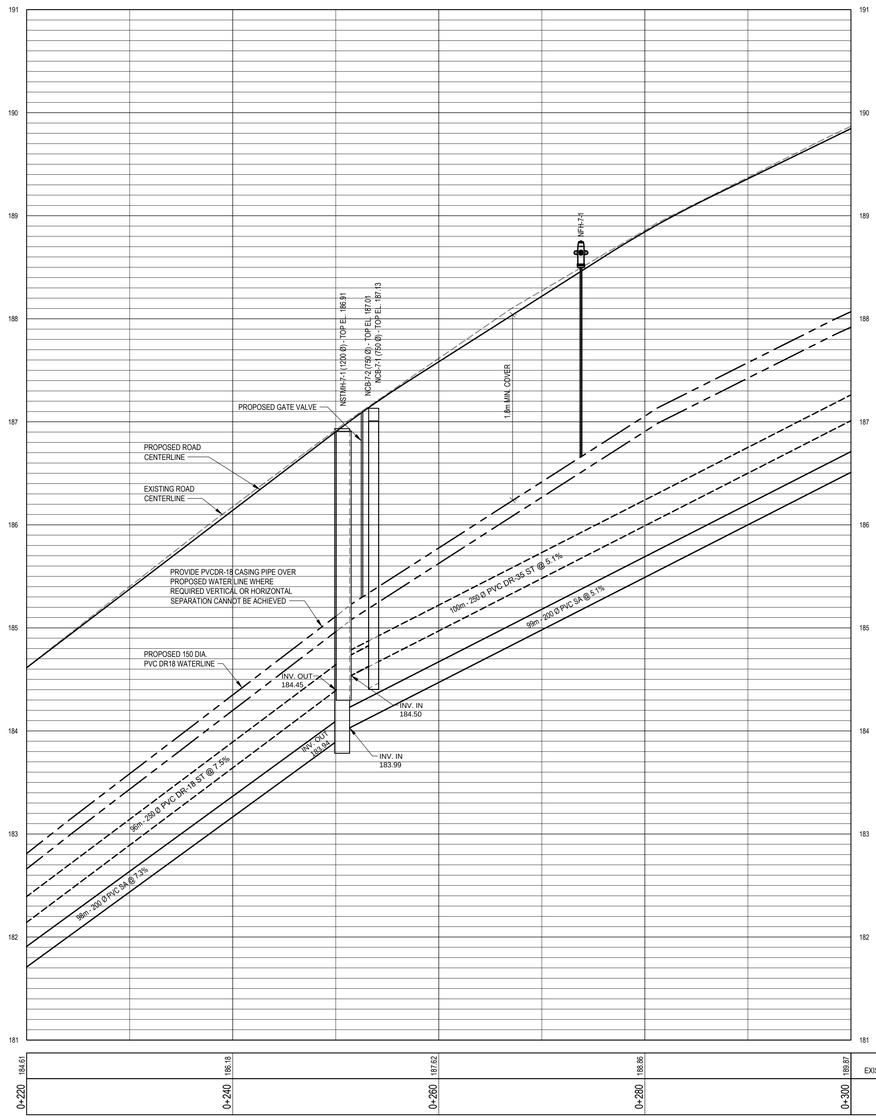
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JUSTIN.TWITHEWAY

4/6/2017 3:53 PM







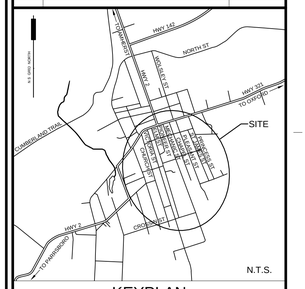
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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

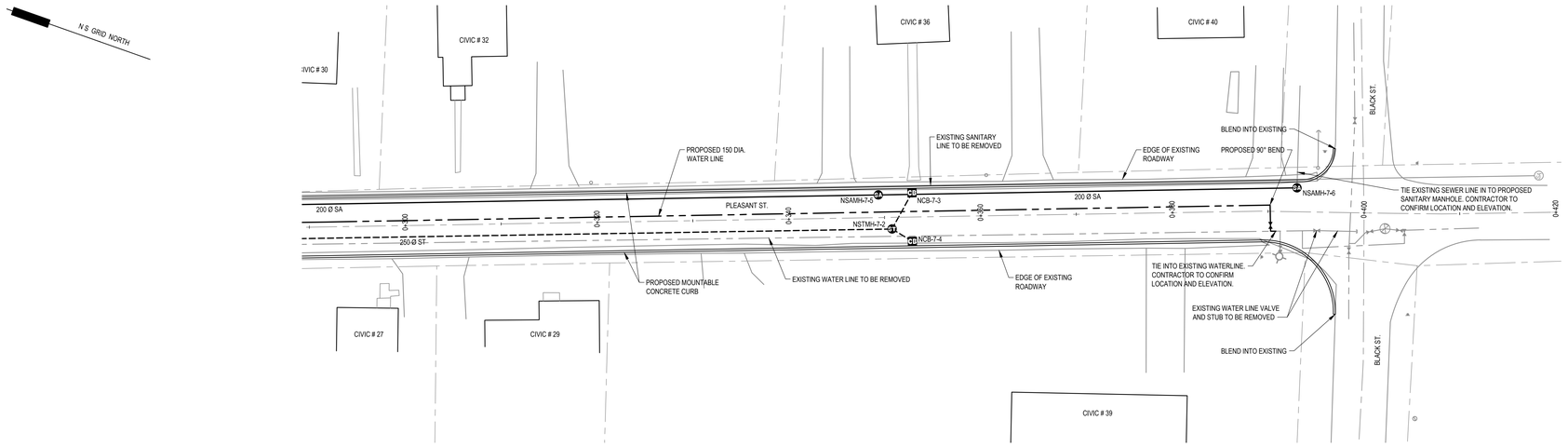
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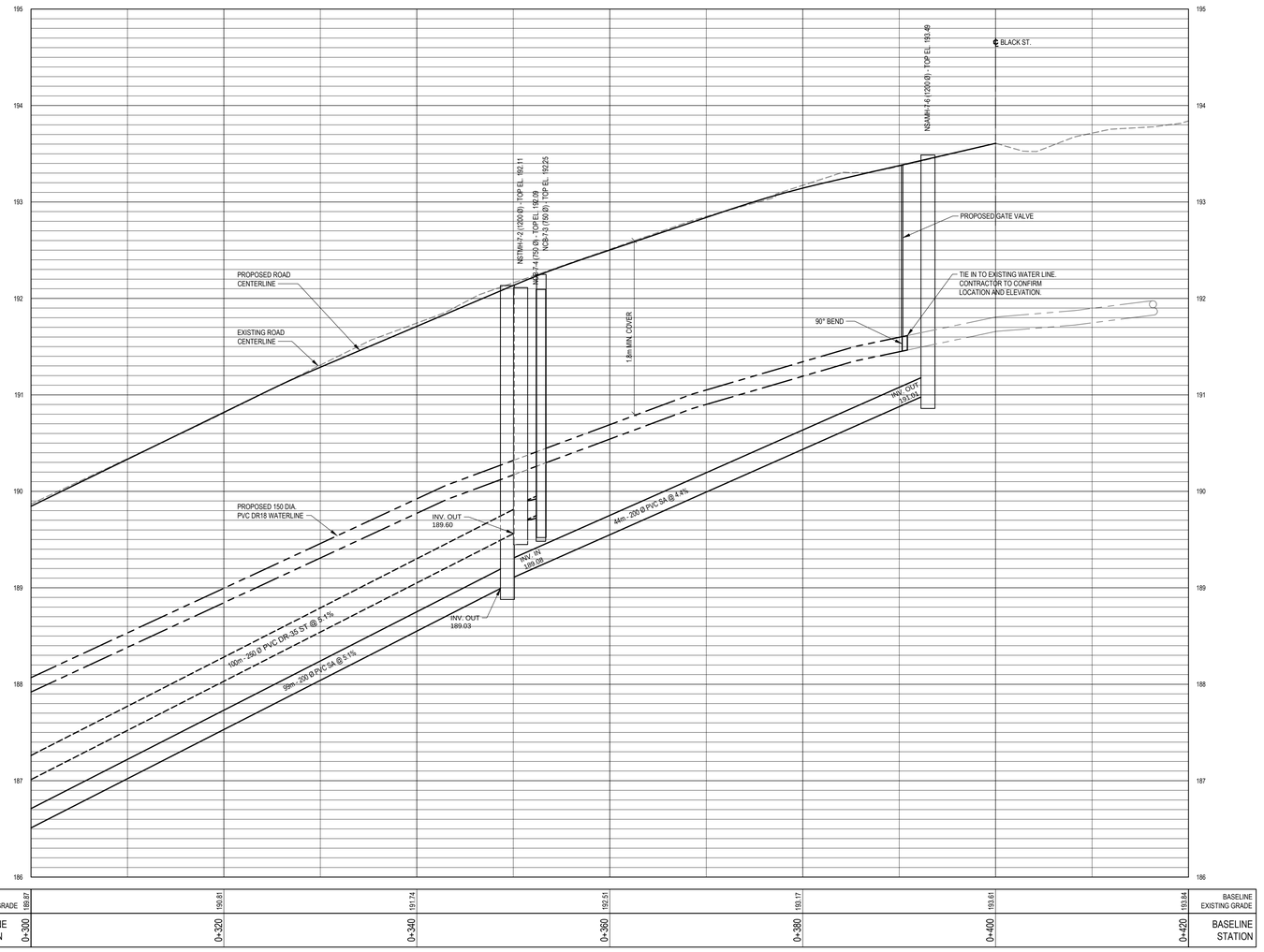
PLAN AND PROFILE PLEASANT STREET STA. 0+160 TO 0+300

Project No.
HFX-00235652-A0

Dwg. No.
C-701

Rev. No.
0





BASELINE EXISTING GRADE	189.87	190.81	191.74	192.51	193.17	193.61	193.84	BASELINE EXISTING GRADE
BASELINE STATION	0+300	0+320	0+340	0+360	0+380	0+400	0+420	BASELINE STATION

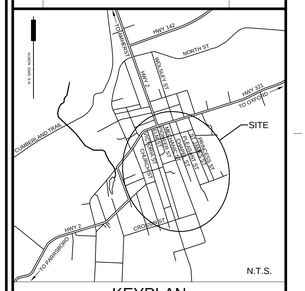
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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
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- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE PLEASANT STREET STA. 0+300 TO 0+420

Project No.

HFX-00235652-A0

Dwg. No.

C-702

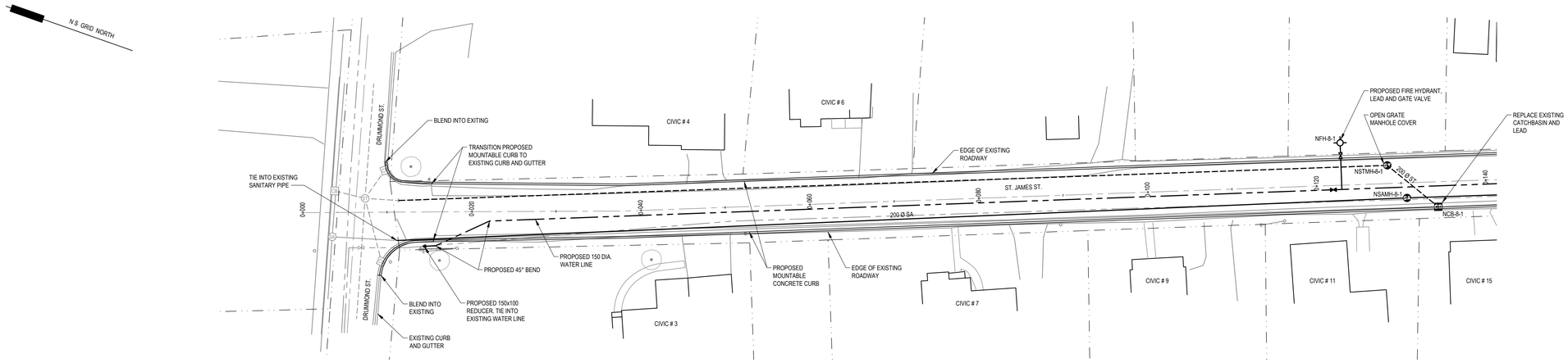
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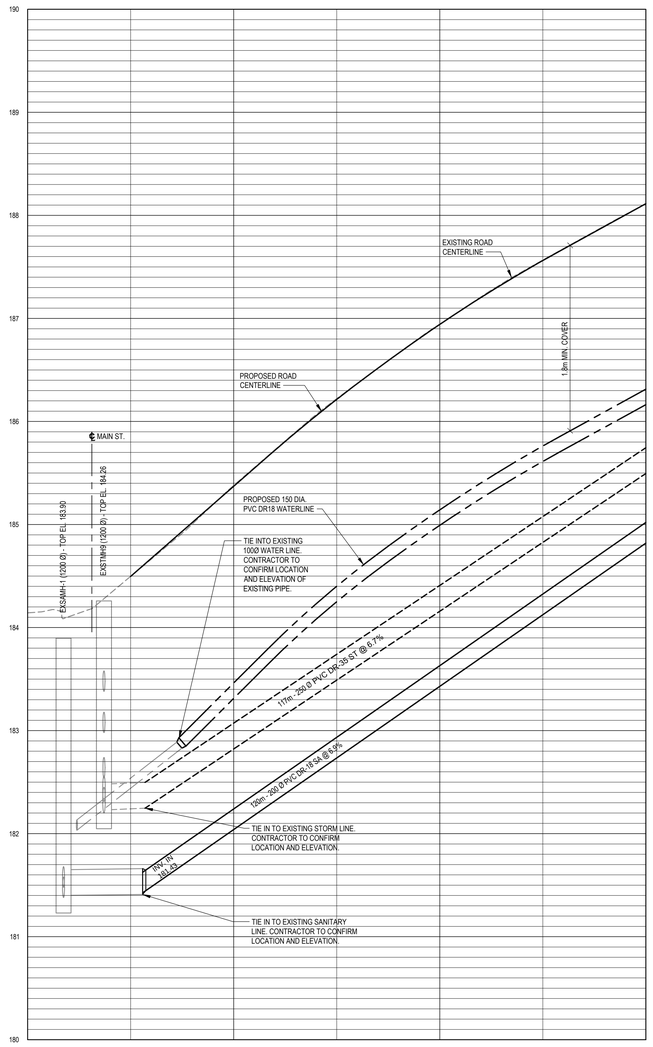
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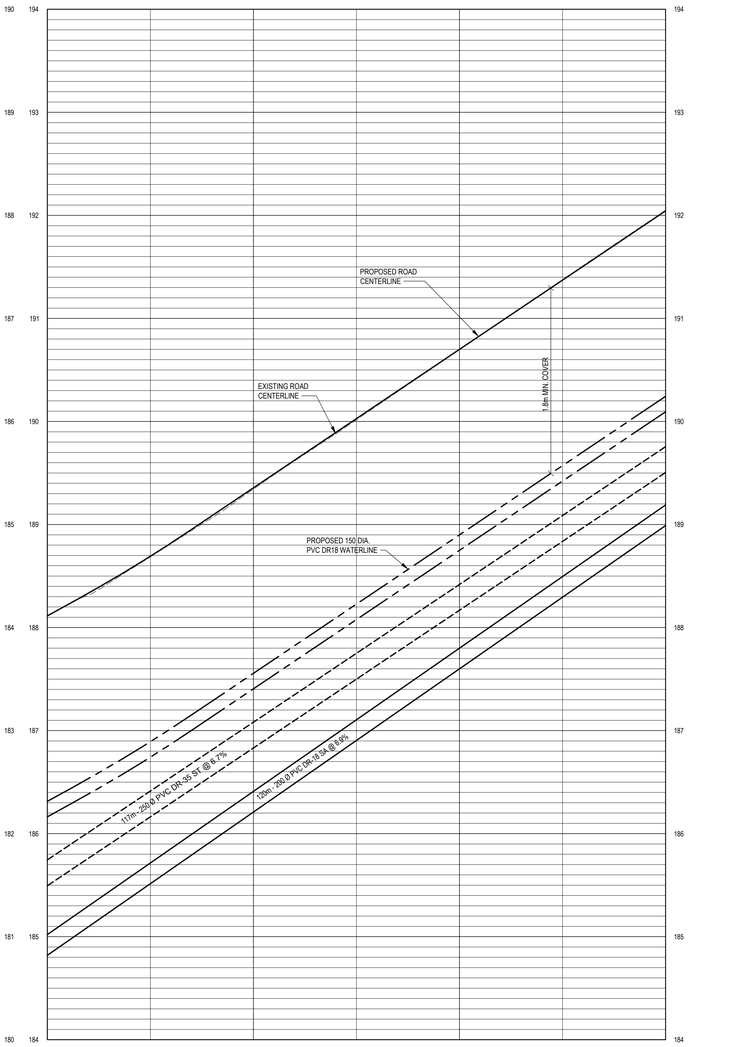
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4/6/2017 3:52 PM

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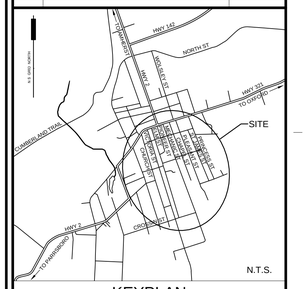


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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
- EXISTING CATCHBASIN
- EXISTING STORM/COMBINED MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING PRV CHAMBER
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEERS
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

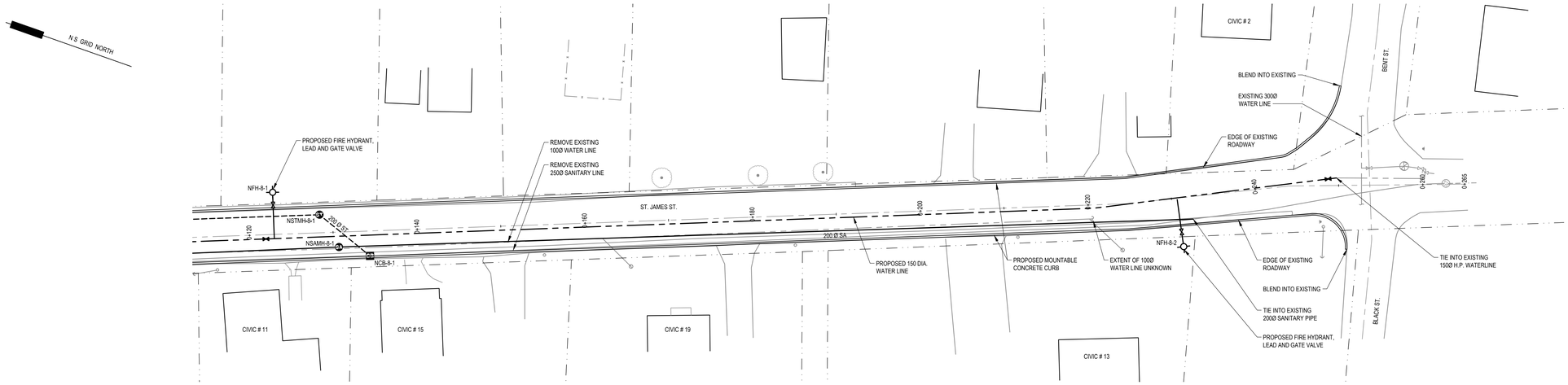
Dwg. Title

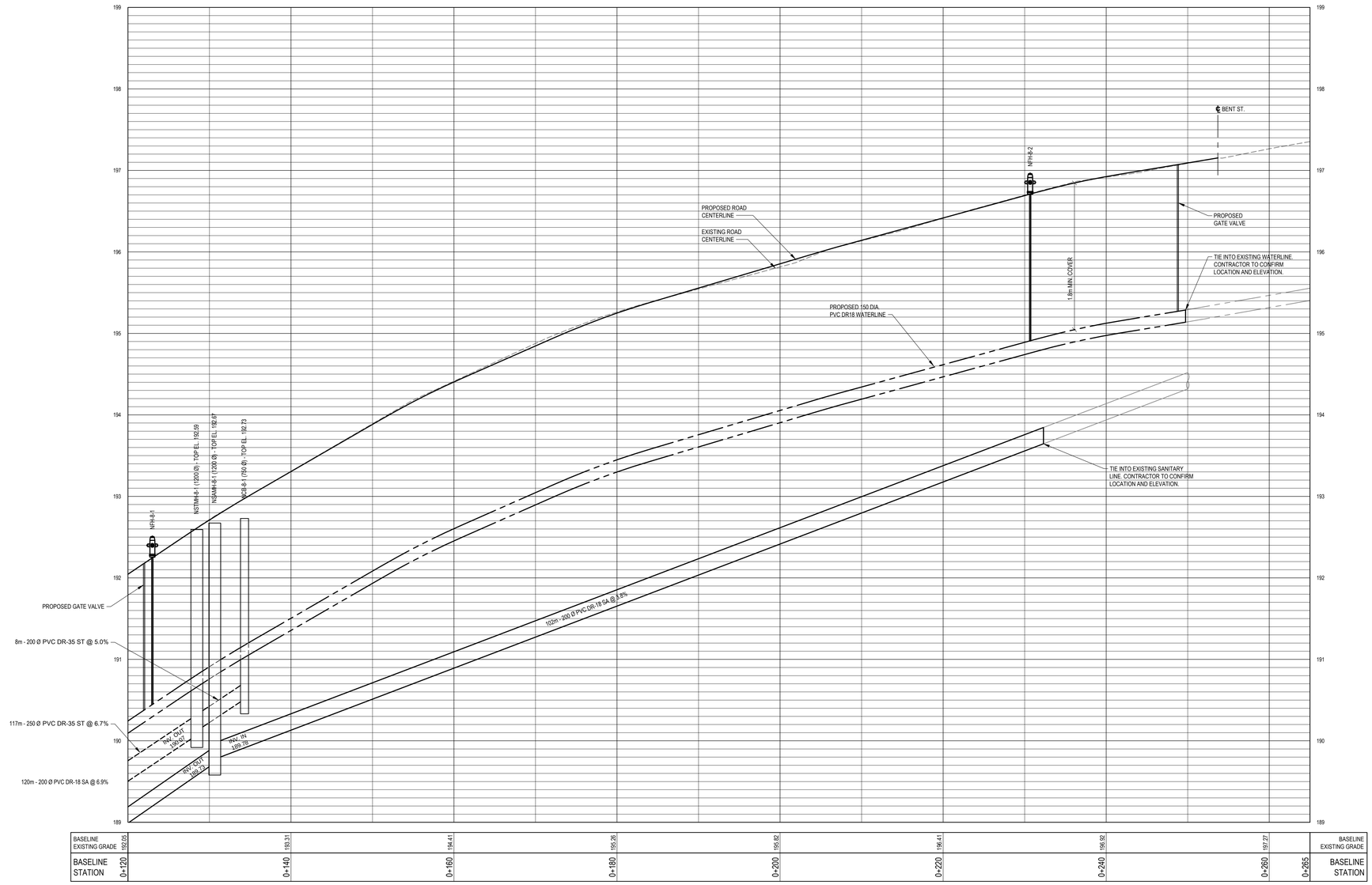
PLAN AND PROFILE ST JAMES STREET STA. 0+000 TO 0+120

Project No.
HFX-00235652-A0

Dwg. No.	Rev. No.
C-800	0

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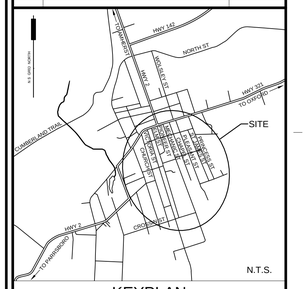


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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
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- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
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- EXISTING PRV CHAMBER
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- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE ST JAMES STREET STA. 0+120 TO 0+265

Project No.
HFX-00235652-A0

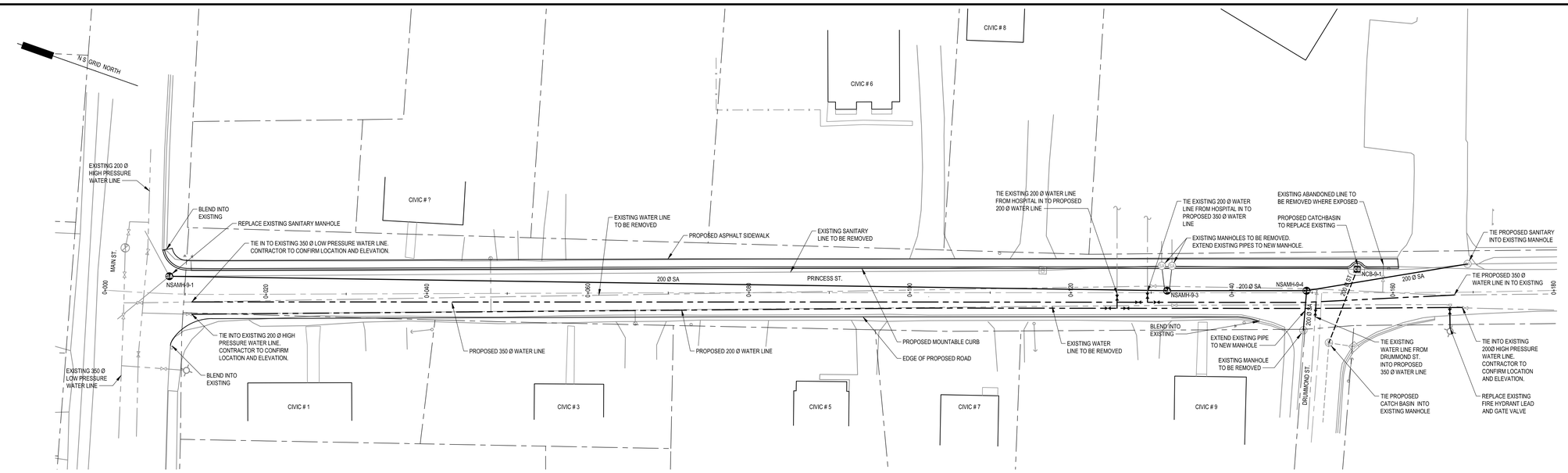
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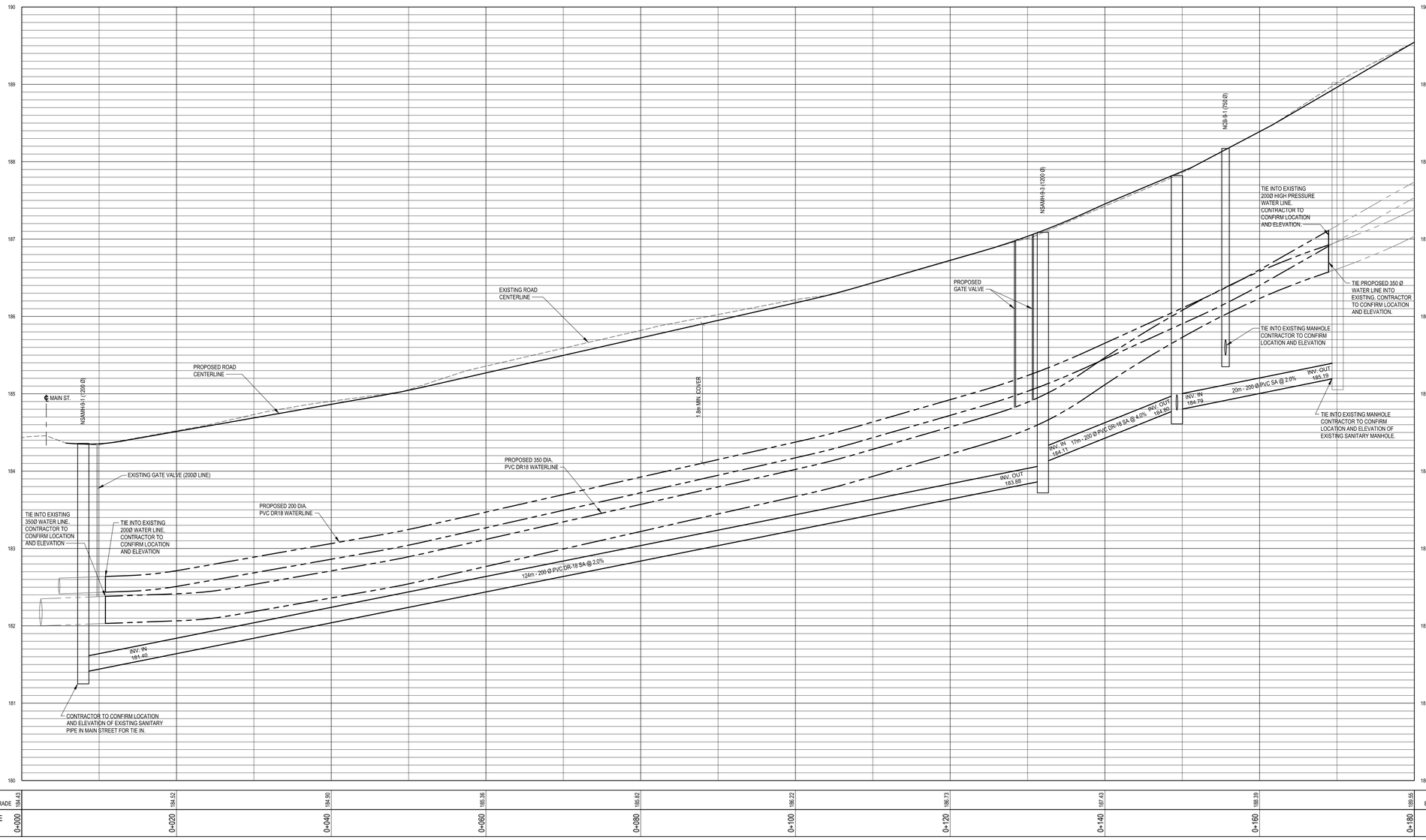
Rev. No.
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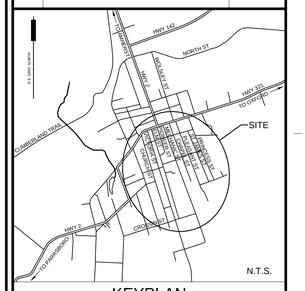
BASELINE EXISTING GRADE	184.43	184.52	184.90	185.36	185.82	186.22	186.73	187.43	188.39	189.55	BASELINE EXISTING GRADE
BASELINE STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	BASELINE STATION

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No.	Issue	Date



KEYPLAN

LEGEND:

- PROPOSED CATCHBASIN
- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER PIPE
- PROPOSED STORM PIPE
- PROPOSED SANITARY PIPE
- EXISTING STORM PIPE
- EXISTING SANITARY PIPE
- EXISTING WATER PIPE
- EXISTING CULVERT
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- EXISTING STORM/COMBINED MANHOLE
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- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- EXISTING REDUCER
- EXISTING CURB STOP
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE WITH GUY WIRE
- EXISTING SIGN
- PROPERTY LINE
- EXISTING TREE

No.	Revision	Date
0	ISSUED FOR TENDER	2017-APR-07

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	JNT
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	1:250

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

PLAN AND PROFILE PRINCESS STREET STA. 0+000 TO 0+180

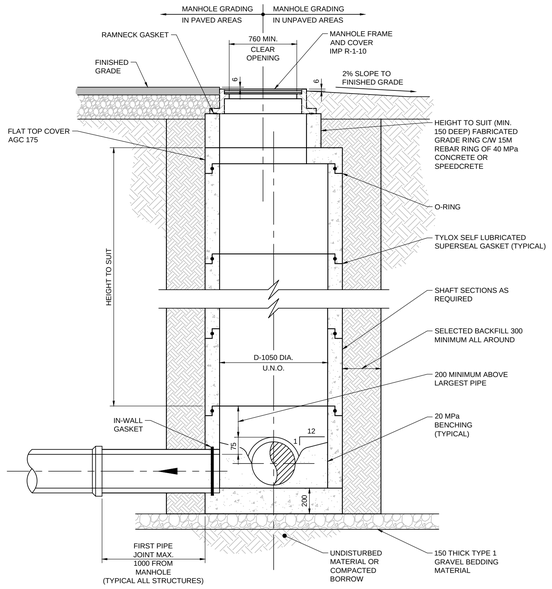
Project No. HFX-00235652-A0

Dwg. No. **C-900**

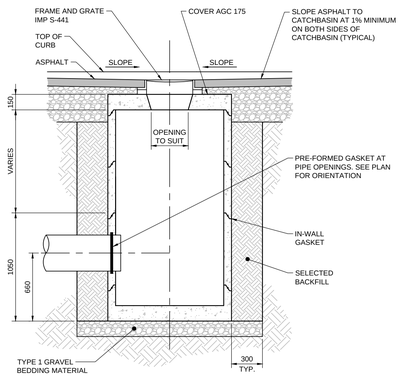
Rev. No. 0

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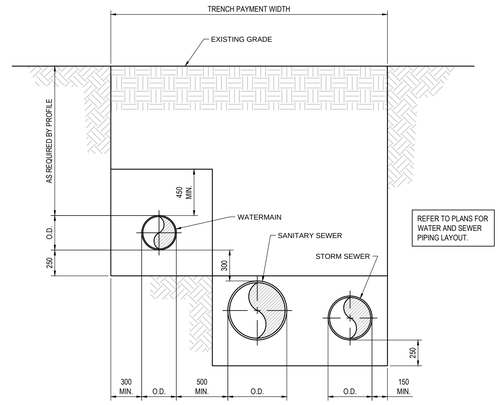
JUSTIN TWEEMEWAY
4/6/2017 3:53 PM



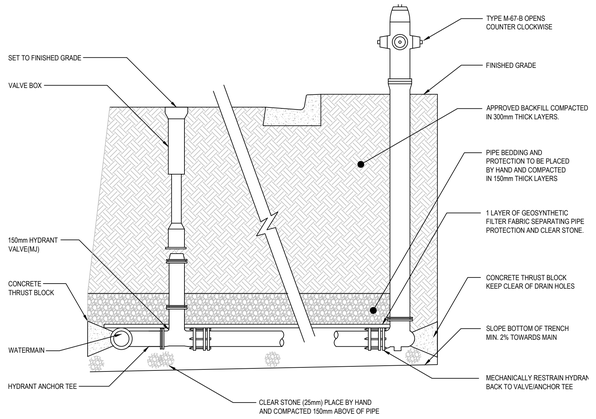
DETAIL
TYP. PRECAST MANHOLE SCALE 1:25 — 1 / -



DETAIL
TYP. CATCHBASIN SCALE 1:25 — 2 / -



DETAIL
TYP. TRENCH (WATER AND SEWER) SCALE 1:25 — 3 / -



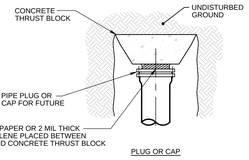
DETAIL
FIRE HYDRANT SCALE 1:25 — 4 / -



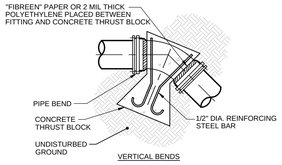
TEE OR LATERAL



HORIZONTAL BENDS



PLUG OR CAP



VERTICAL BENDS

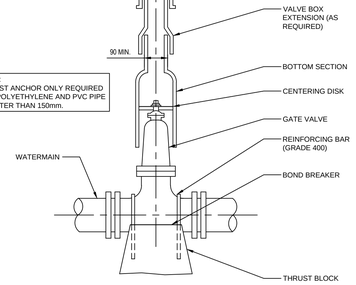
MINIMUM CONTACT AREAS FOR CONCRETE THRUST BLOCKS (M^2)

NOMINAL PIPE SIZE	PIPE CAP OR PLUG	PIPE TEE	90° PIPE BEND	45° PIPE BEND	22.5° PIPE BEND	11.1/4° PIPE BEND	MINIMUM DISTANCE FROM FITTING TO UNDISTURBED GROUND
100 (4")	0.25	0.25	0.32	0.20	0.16	0.16	450 MIN.
150 (6")	O.48	O.48	0.64	O.40	0.24	0.16	450 MIN.
200 (8")	0.80	0.80	1.12	0.64	0.32	0.16	450 MIN.
250 (10")	1.28	1.28	1.76	0.96	0.48	0.24	600 MIN.
300 (12")	1.76	1.76	2.56	1.44	0.72	0.40	750 MIN.

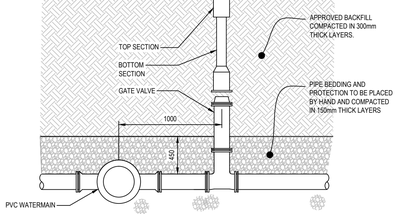
VERTICAL THRUST BLOCKS
THRUST COMPENSATED FOR BY CONCRETE MASS (M^3)

NOMINAL PIPE SIZE	45° PIPE BEND	22.5° PIPE BEND	11.1/4° PIPE BEND
100 (4")	0.40	0.20	0.20
150 (6")	O.80	0.40	0.40
200 (8")	1.40	0.70	0.70
250 (10")	2.10	1.10	1.10
300 (12")	3.00	1.50	1.50

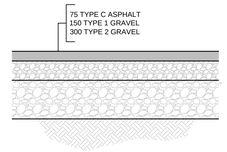
DETAIL
CONCRETE THRUST BLOCKS N.T.S. — 5 / -



DETAIL
GATE VALVE AND VALVE BOX SCALE 1:10 — 6 / -

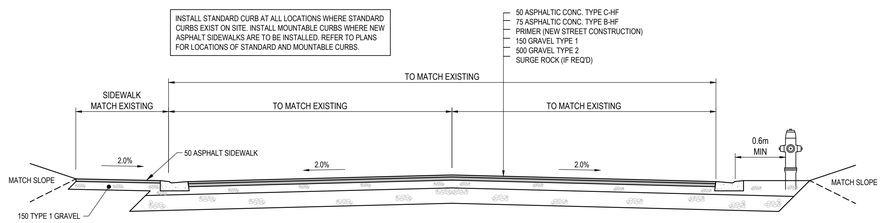


DETAIL
STANDARD MAINLINE VALVE CONNECTION SCALE 1:25 — 7 / -



(UTILIZE FOR ALL PARKING AREAS)

DETAIL
LIGHT DUTY ASPHALT STRUCTURE SCALE 1:20 — 8 / -



SECTION
TYPICAL STREET FEATURES SCALE 1:50 — A / -

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No.	Issue	Date

0	ISSUED FOR TENDER	2017-APR-07
No.	Revision	Date

ISSUED FOR TENDER

Professional Seal(s)

REGISTERED PROFESSIONAL ENGINEER
DATE: 4 / 7 / 17
STACY D. MUISE
7772
PROVINCE OF NOVA SCOTIA

Drawn By:	RJL
Dwg Standards Ckd By:	
Designed By:	SDM
Design Checked By:	
Scale:	AS SHOWN

Project Title

DOWNTOWN INFRASTRUCTURE RENEWAL PROJECT - SPRINGHILL COMMUNITY

Dwg. Title

MISCELLANEOUS SECTIONS AND DETAILS

Project No.
HFX-00235652-A0

Dwg. No.
C-1000

Rev. No.
0

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81

M:\HFX\00235652-A\04 PROJECT EXECUTION\05 LCAD\10 - MISC\MISCELLANEOUS SECTIONS AND DETAILS.
JUSTIN THETHEWEY
4/6/2017 3:54 PM