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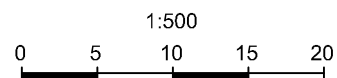
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PRELIMINARY

No.	REVISION	DATE	BY
3.	REVISED AND REISSUED FOR REVIEW	NOV 26/21	BHB
2.	ISSUED FOR REVIEW	JUN 18/21	BHB
1.	ISSUED FOR DISCUSSION	MAR 5/21	BHB

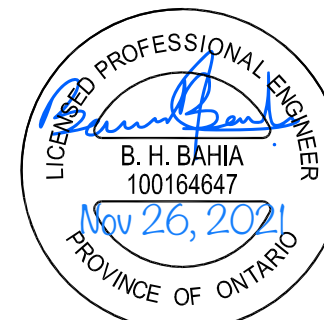
SCALE

1 : 500



DESIGN	DJC
CHECKED	BCS
DRAWN	DJC
CHECKED	BCS
APPROVED	BHB

FOR REVIEW ONLY



NOVATECH

Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6

Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME

PLAN AND PROFILE
RUE DE BEAUGENCY STREET
STATION 7+000 TO 7+205

PROJECT No.

118224-00

REV

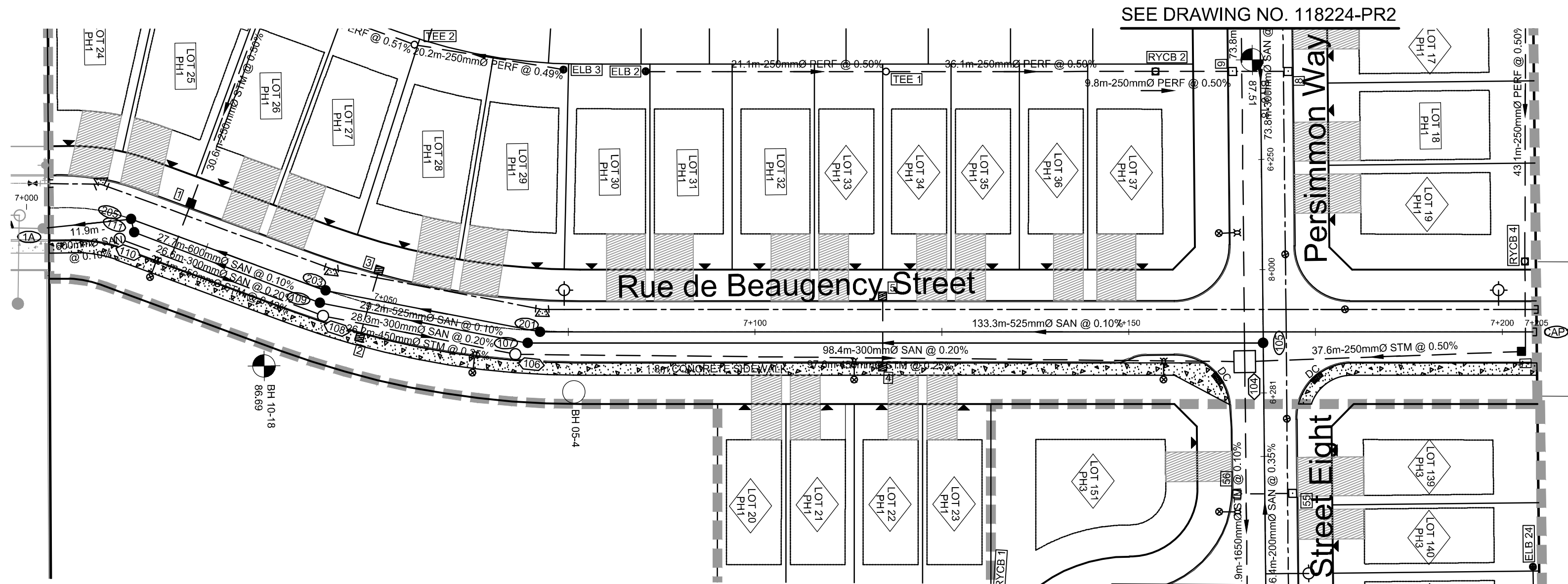
REV # 3

DRAWING No.

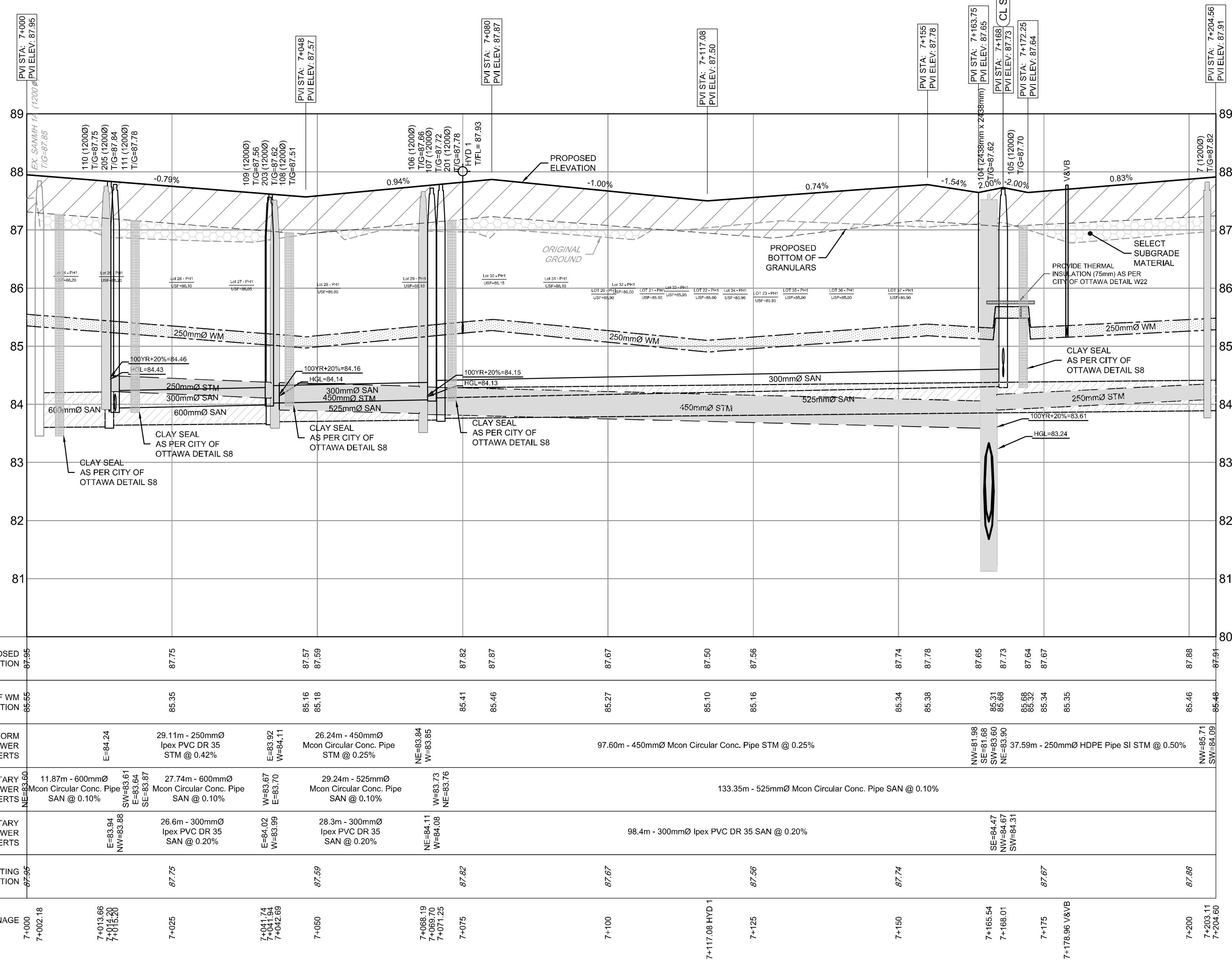
118224-PR1

#18535

D07-16-19-0027



SEE DRAWING NO. 118224-PR12

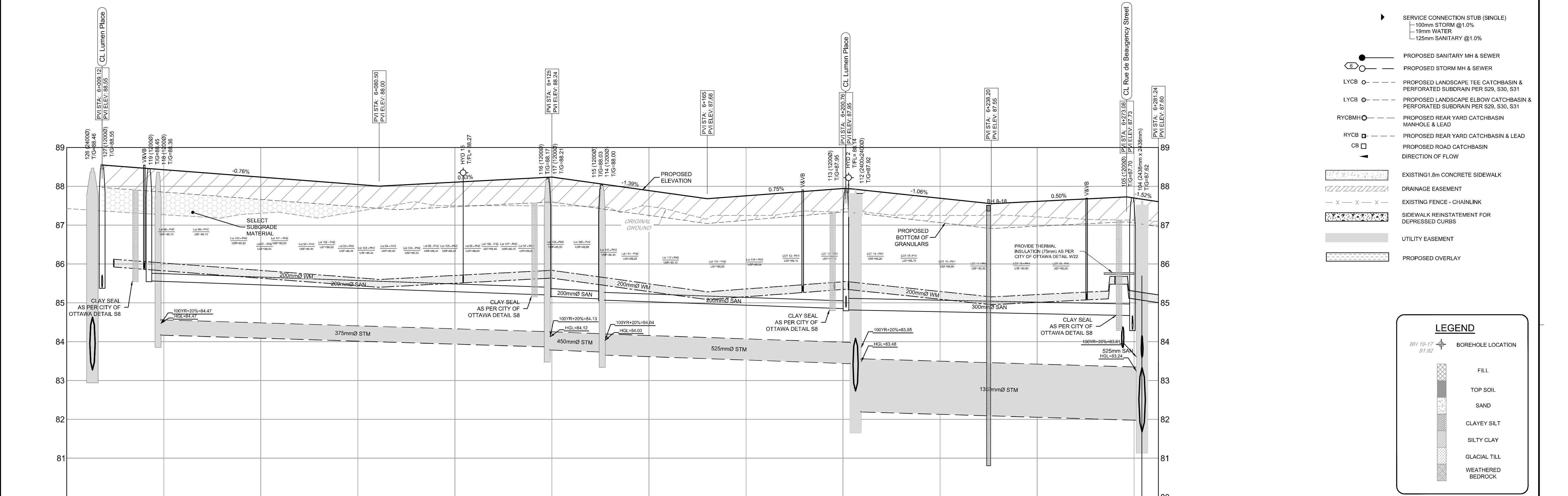
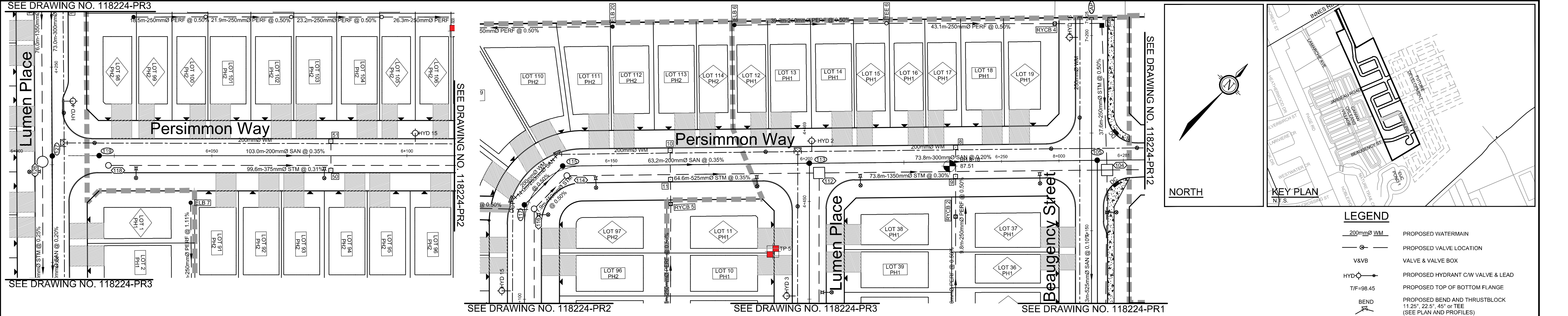


LEGEND

- 200mm Ø WM PROPOSED WATERMAIN
- V&V PROPOSED VALVE LOCATION
- HYD PROPOSED HYDRANT C/W VALVE & LEAD
- T/F=98.45 PROPOSED TOP OF BOTTOM FLANGE
- BEND PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)
- SERVICE CONNECTION STUB (SINGLE)
 - 100mm STORM @1.0%
 - 19mm WATER
 - 125mm SANITARY @1.0%
- PROPOSED SANITARY MH & SEWER
- PROPOSED STORM MH & SEWER
- LYCB PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
- LYCB PROPOSED LANDSCAPE ELBOW CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
- RYCBMH PROPOSED REAR YARD CATCHBASIN MANHOLE & LEAD
- RYCB PROPOSED REAR YARD CATCHBASIN & LEAD
- CB PROPOSED ROAD CATCHBASIN
- DIRECTION OF FLOW
- EXISTING 1.8m CONCRETE SIDEWALK
- DRAINAGE EASEMENT
- EXISTING FENCE - CHAINLINK
- SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
- UTILITY EASEMENT
- PROPOSED OVERLAY

LEGEND

- BH 19-17 91.92 BOREHOLE LOCATION
- FILL
- TOP SOIL
- SAND
- CLAYEY SILT
- SILTY CLAY
- GLACIAL TILL
- WEATHERED BEDROCK



CHAINAGE	EXISTING ELEVATION	SANITARY SEWER INVERTS	STORM SEWER INVERTS	TOP OF WM ELEVATION	PROPOSED ELEVATION
6+000		NW=85.42 SE=85.39	NW=83.28 SE=83.27	86.12	86.55
4+274.26 4+272.76				86.06	
6+019.85 V&VB 6+021.17 6+023.51 6+025	86.43	NE=85.56	NE=84.18	86.03	86.43
6+050	86.23		99.63m - 375mmØ Ipxx PVC DR 35 STM @ 0.31%	85.83	86.23
6+075	86.04			85.64	86.04
				85.60	86.00
6+100	86.10			85.70	86.10
6+102.13 HYD 15				85.72	
6+123.78 6+125.99	86.24	SW=85.20 E=85.17	SW=83.87 E=83.80	85.84	86.24
6+137.24 6+137.55		14.0m - 200mmØ Ipxx PVC DR 35 SAN @ 0.50%	11.9m - 450mmØ STM @ 0.50%		
6+150	87.69		W=83.74 SE=83.67		87.69
		63.20m - 200mmØ Ipxx PVC DR 35 SAN @ 0.35%	64.64m - 525mmØ Mcon Circular Conc. Pipe STM @ 0.35%	85.49	87.68
6+175	87.76			85.36	87.76
6+189.60 V&VB				85.47	
6+202.78 6+204.31 HYD 2 6+207.31	87.94	SW=84.88 SE=84.82	SW=82.73 SE=82.69 NW=83.44	85.53 85.54 85.55	87.94 87.95
6+225	87.69		73.80m - 1350mmØ Mcon Circular Conc. Pipe STM @ 0.30%	85.29	87.69
6+250			73.80m - 300mmØ Ipxx PVC DR 35 SAN @ 0.20%	85.15	87.55
6+277.04 6+277.04	87.61			85.21	87.61
6+281.24	87.60	SE=84.47 NW=84.67 SW=84.31	SE=83.90 SE=83.90 NW=83.90 NE=83.90	85.28	87.60
7+168.01 6+275 6+277.04	87.70			85.68 85.69 85.70 85.71	87.73 87.70
				85.26	87.60

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No.	REVISION	DATE	BY

SCALE

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DESIGN

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DRAWN

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BCS

APPROVED

BHB

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PROFESSIONAL ENGINEER
B. H. BAHIA
100164647
Nov 26, 2021
PROVINCE OF ONTARIO

LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME
PLAN AND PROFILE
VOIE DE PERSIMMON WAY
STATION 6+000 TO 6+281

PROJECT No.
118224-00

REV
REV # 3

DRAWING No.
118224-PR2

NOVATECH

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D07-16-19-0027

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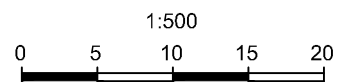
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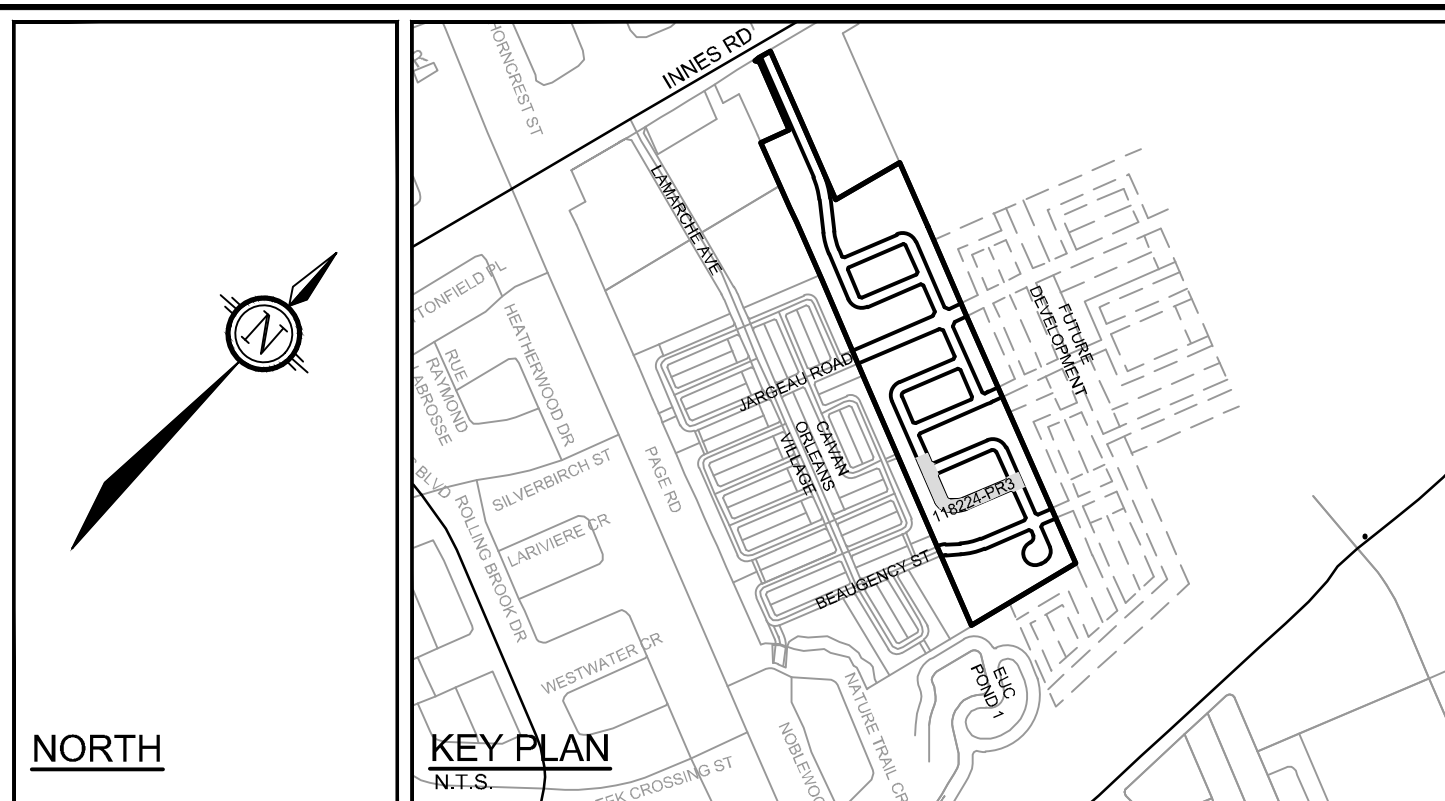
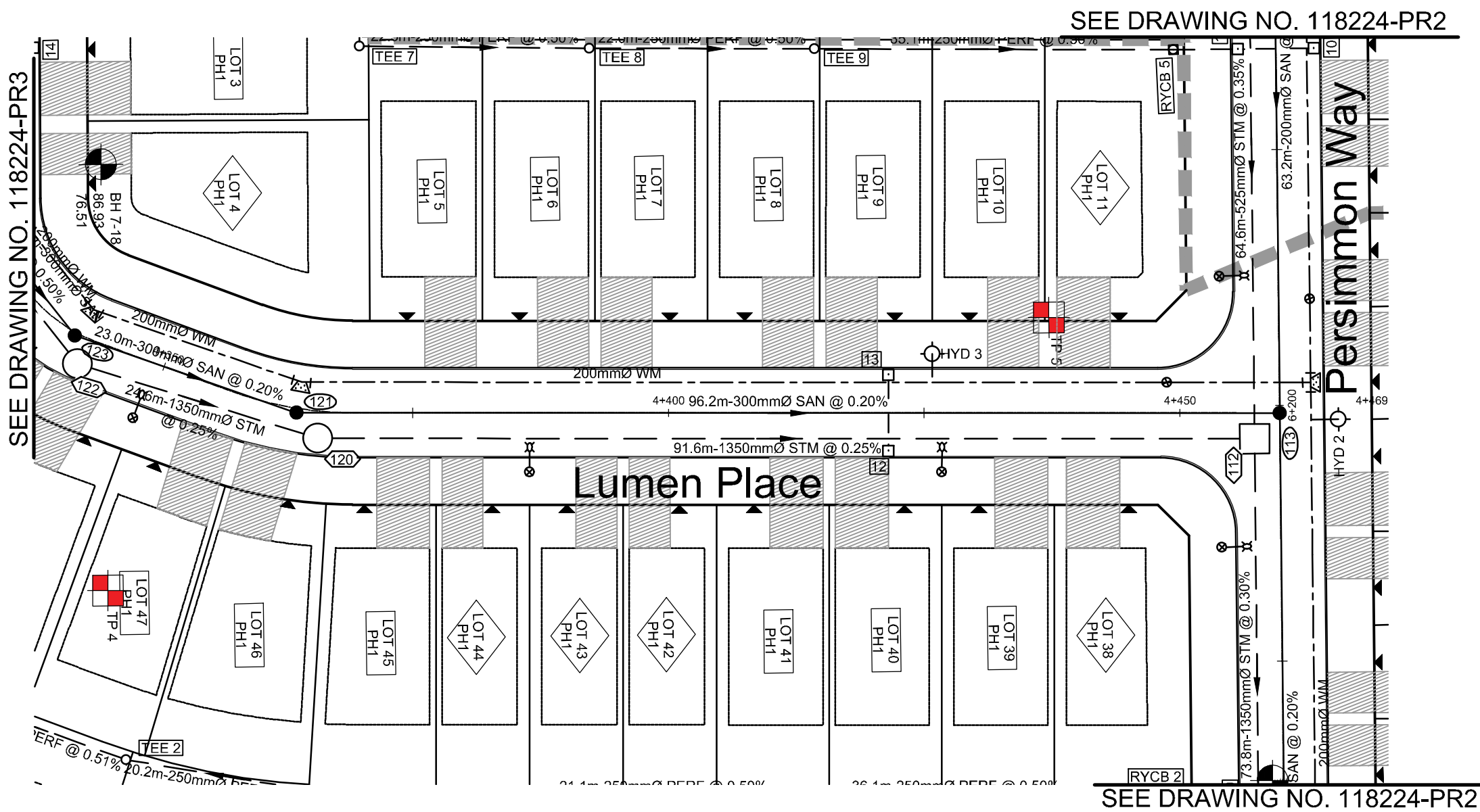
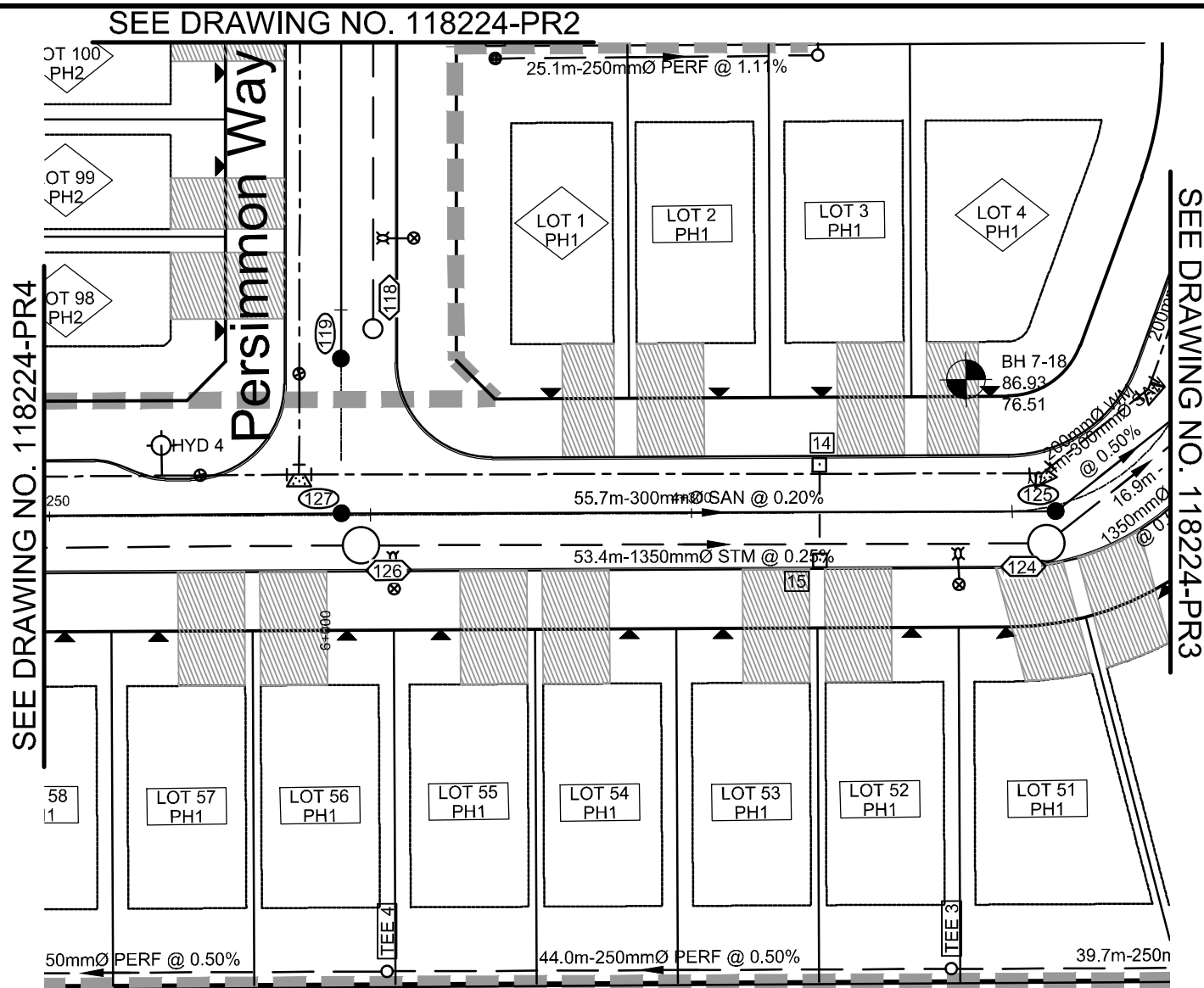


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LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME
**PLAN AND PROFILE
LUMEN PLACE
STATION 4+250 TO 4+469**

PROJECT No.
118224-00
REV
REV # 3
DRAWING No.
118224-PR3

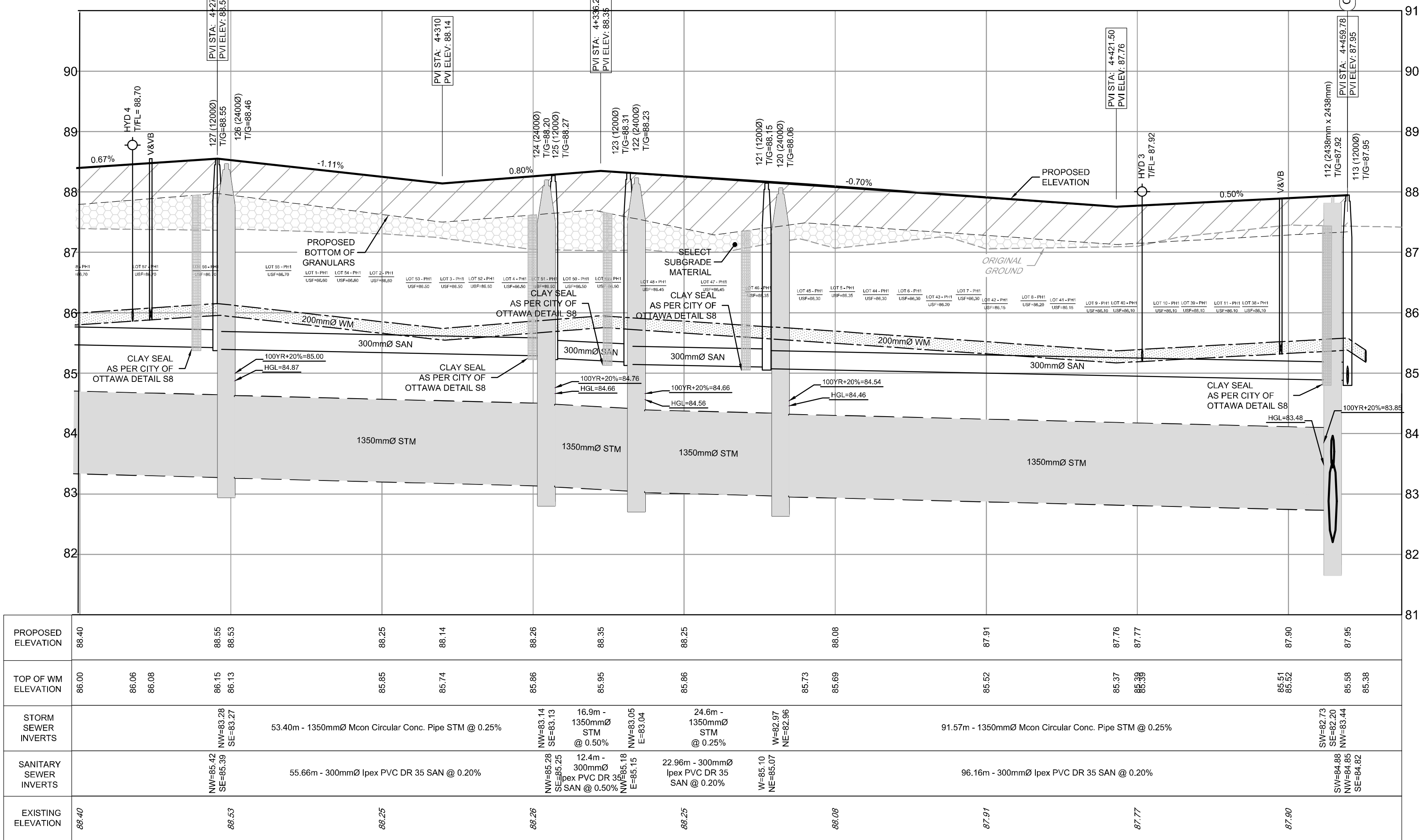


LEGEND

- 200mm WM PROPOSED WATERMAIN
- V&VB PROPOSED VALVE LOCATION
- HYD PROPOSED VALVE & VALVE BOX
- T/F=98.45 PROPOSED TOP OF BOTTOM FLANGE
- BEND PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)
- SERVICE CONNECTION STUB (SINGLE)
 - 100mm STORM @ 1.0%
 - 19mm WATER
 - 125mm SANITARY @ 1.0%
- PROPOSED SANITARY MH & SEWER
- PROPOSED STORM MH & SEWER
- LYCB PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
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- CB PROPOSED ROAD CATCHBASIN
- DIRECTION OF FLOW
- EXISTING 1.8m CONCRETE SIDEWALK
- DRAINAGE EASEMENT
- EXISTING FENCE - CHAINLINK
- SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
- UTILITY EASEMENT
- PROPOSED OVERLAY

LEGEND

- BH 19-17, 91.92 BOREHOLE LOCATION
- FILL
- TOP SOIL
- SAND
- CLAYEY SILT
- SILTY CLAY
- GLACIAL TILL
- WEATHERED BEDROCK

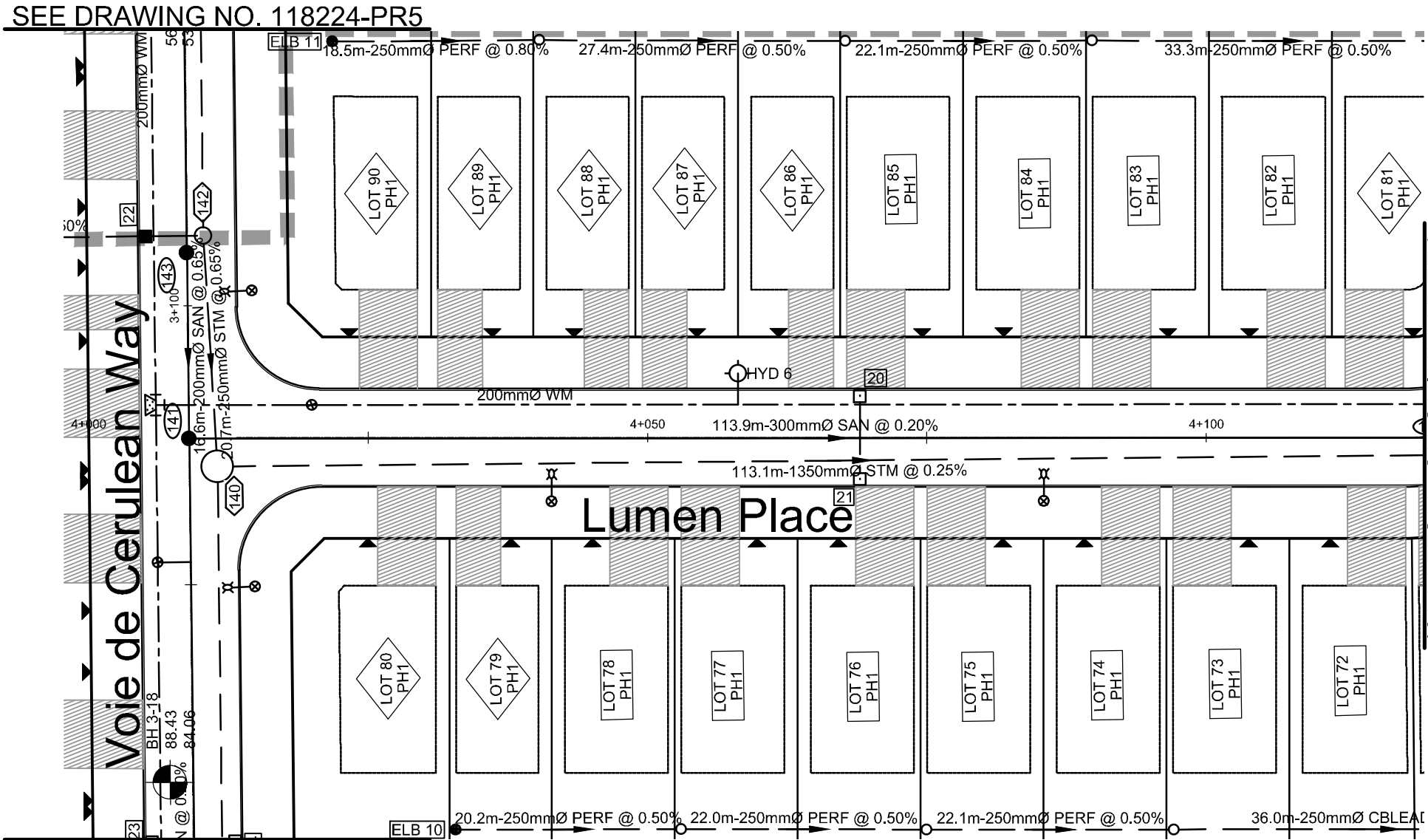


PROPOSED ELEVATION	88.40					88.25		88.14		88.25				87.91		87.76		87.77		87.90								
TOP OF WM ELEVATION	86.00	86.06	86.08			86.15	86.13		85.85		85.74		85.86		85.95		85.86		85.73	85.69		85.52	85.37	85.38	85.51	85.52	85.58	85.38
STORM SEWER INVERTS		NW=83.26 SE=83.27		53.40m - 1350mmØ Moon Circular Conc. Pipe STM @ 0.25%		NW=83.14 SE=83.13 STM @ 0.50%	16.9m - 1350mmØ STM @ 0.50%			24.6m - 1350mmØ STM @ 0.25%		91.57m - 1350mmØ Moon Circular Conc. Pipe STM @ 0.25%																
SANITARY SEWER INVERTS		NW=85.42 SE=85.39 SE=83.27		55.66m - 300mmØ Ipe PVC DR 35 SAN @ 0.20%		NW=85.28 SE=85.25 SE=83.27 SAN @ 0.50%	12.4m - 300mmØ Ipe PVC DR 35 SAN @ 0.20%			22.96m - 300mmØ Ipe PVC DR 35 SAN @ 0.20%		96.16m - 300mmØ Ipe PVC DR 35 SAN @ 0.20%																
EXISTING ELEVATION	88.40		86.53			86.25		86.25		86.26		86.25		86.08		87.91		87.77		87.90								
CHAINAGE	4+250	4+256.75 HYD 4 4+257.26 V&VB	4+272.76 4+272.76	4+300	4+325 4+327.22 4+328.35	4+340.79 4+342.11	4+350	4+363.67 4+365.07	4+375	4+400	4+425 4+425.80 HYD 3	4+435 4+435.72 V&VB	4+450	4+467.31 4+469.78	4+468.75													

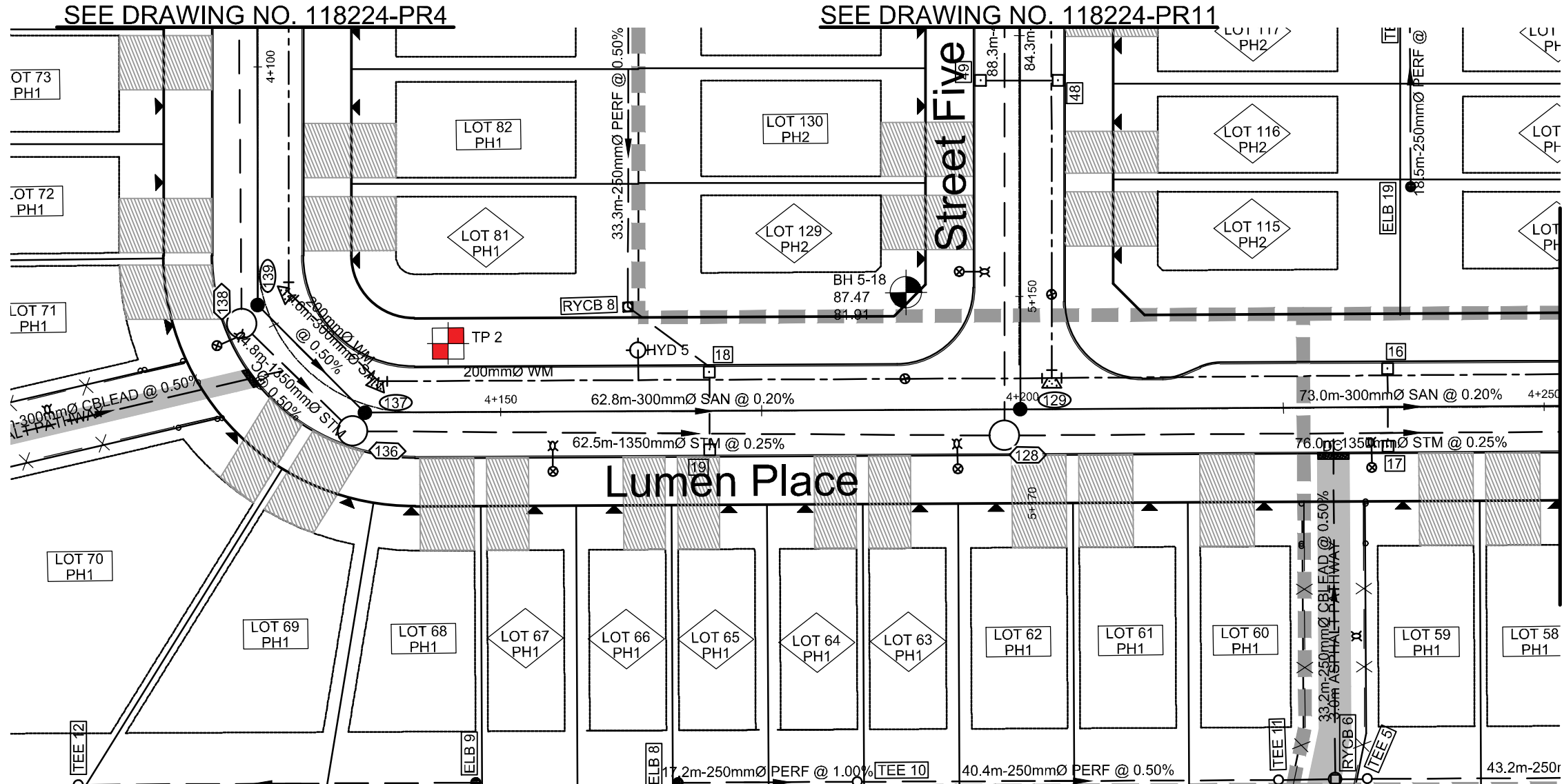
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SEE DRAWING NO. 118224-PR5

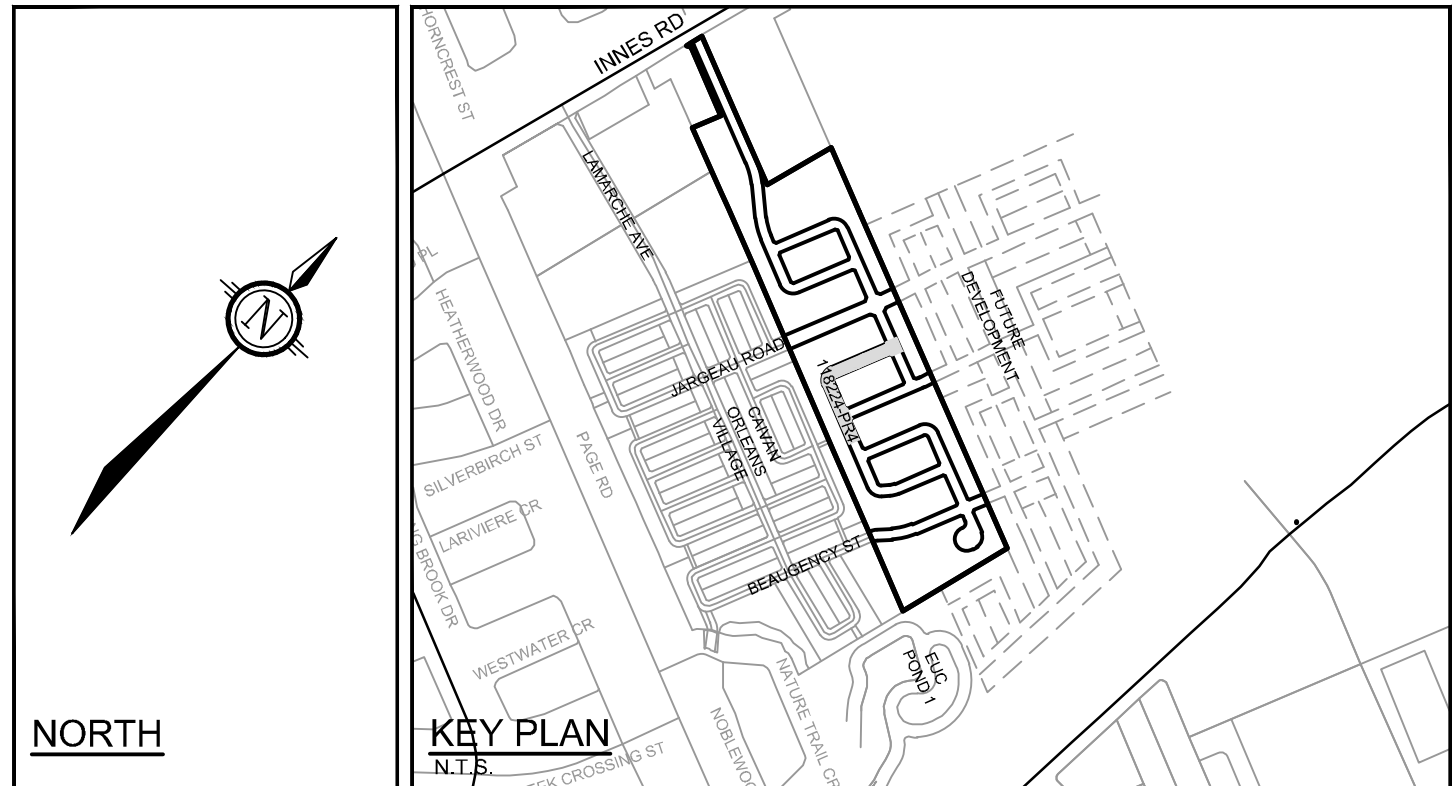


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SEE DRAWING NO. 118224-PR11

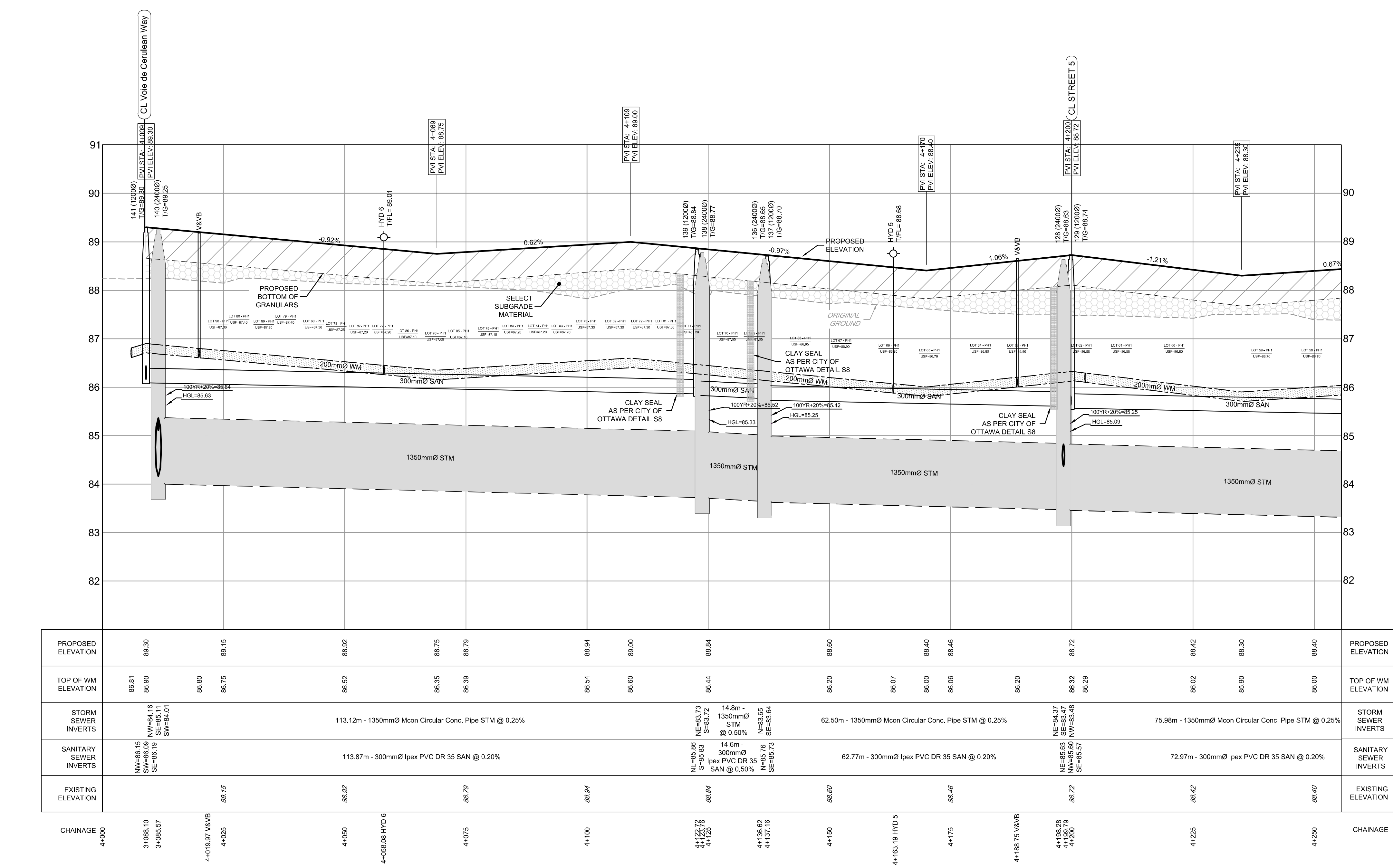
SEE DRAWING NO. 118224-PR2



LEGEND

- 200mm Ø WM
- V&VB
- HYD 6
- T/F=98.45
- BEND
- SERVICE CONNECTION STUB (SINGLE)
- 100mm STORM @ 1.0%
- 19mm WATER
- 125mm SANITARY @ 1.0%
- PROPOSED SANITARY MH & SEWER
- PROPOSED STORM MH & SEWER
- LYCB
- LYCB
- RYCBMH
- RYCB
- CB
- DIRECTION OF FLOW
- EXISTING 1.8m CONCRETE SIDEWALK
- DRAINAGE EASEMENT
- EXISTING FENCE - CHAINLINK
- SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
- UTILITY EASEMENT
- PROPOSED OVERLAY

SEE DRAWING NO. 118224-PR5



LEGEND

- BH 19-17
- 91.92
- FILL
- TOP SOIL
- SAND
- CLAYEY SILT
- SILTY CLAY
- GLACIAL TILL
- WEATHERED BEDROCK
- BOREHOLE LOCATION

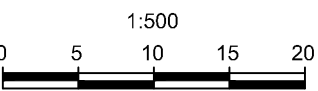
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SCALE

1 : 500



DESIGN	DJC
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APPROVED	BHB

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LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME
PLAN AND PROFILE
PLACE DE LUMEN PLACE
STATION 4+000 TO 4+250

PROJECT No.	118224-00
REV	REV # 3
DRAWING No.	118224-PR4

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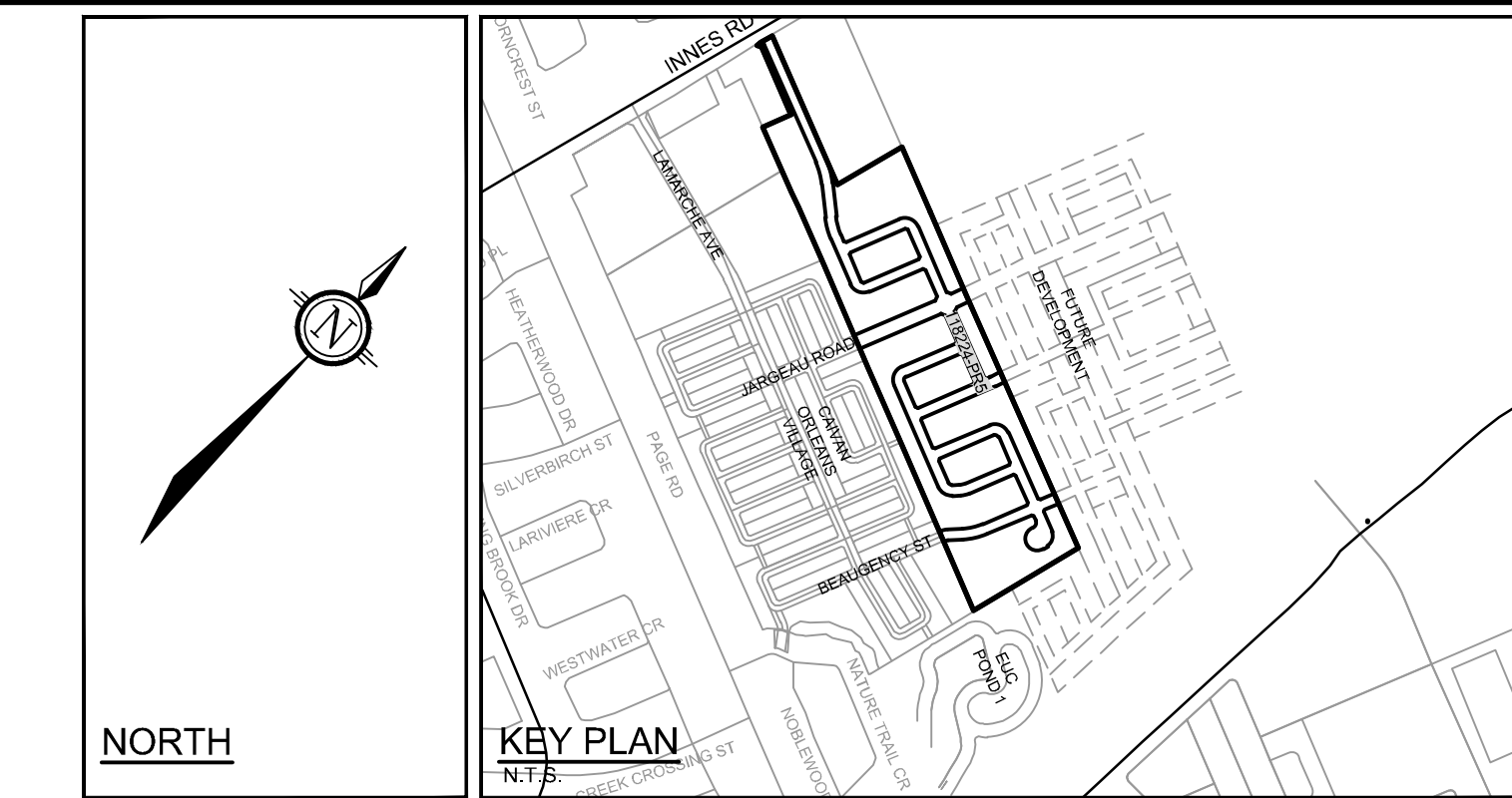
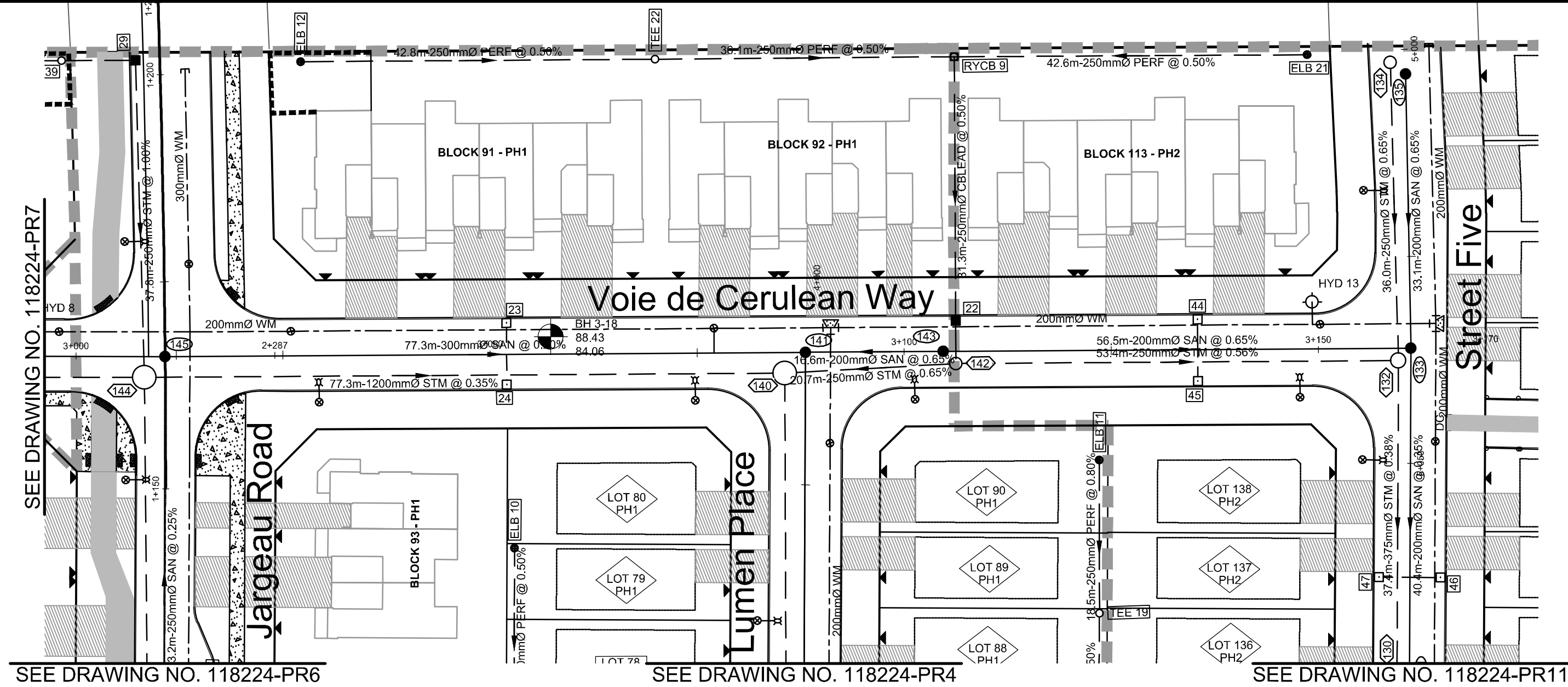


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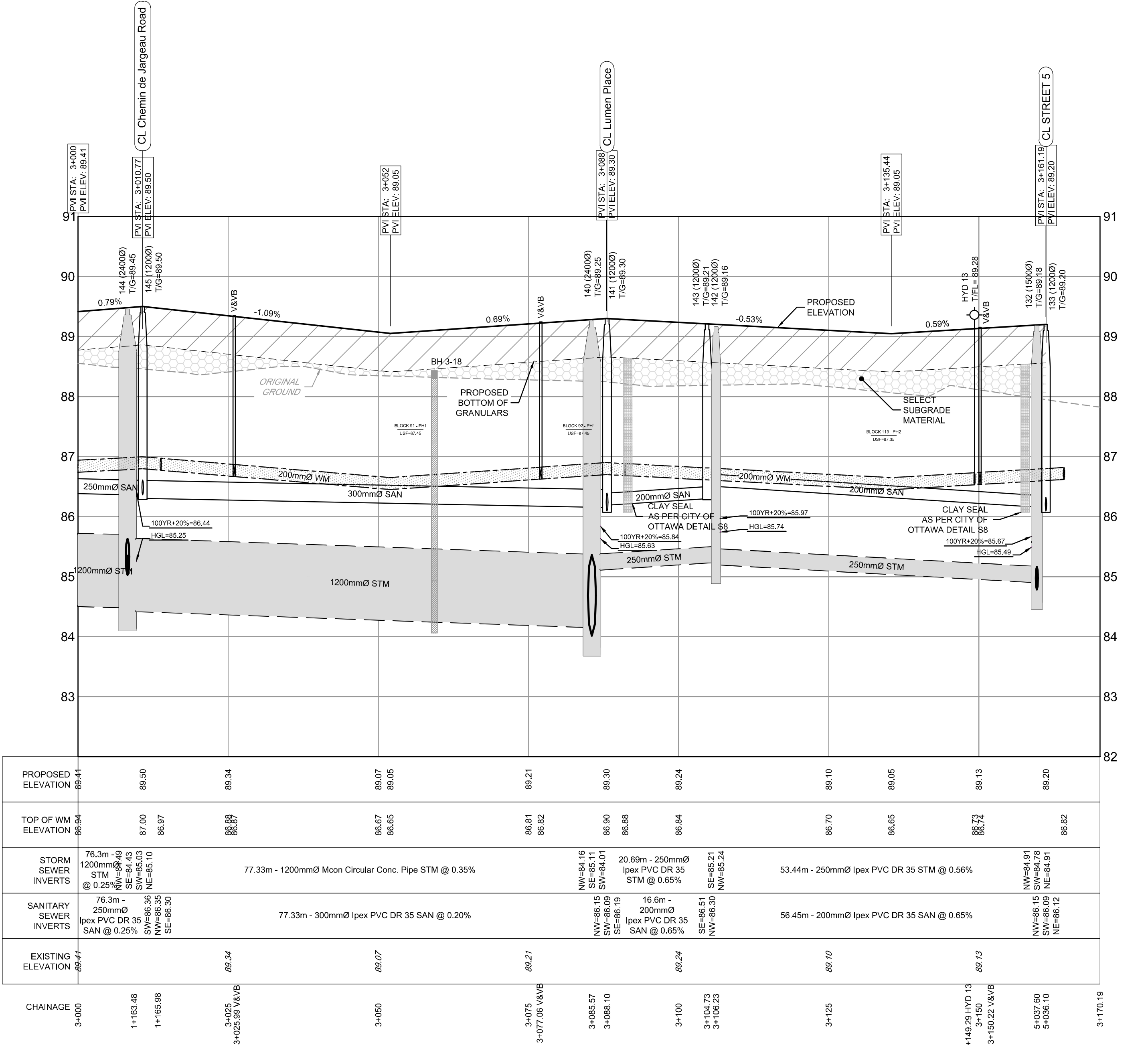
DRAWING NAME
PLAN AND PROFILE
VOIE DE CERULEAN WAY
STATION 3+000 TO 3+170

PROJECT No.
118224-00
REV
REV # 3
DRAWING No.
118224-PR5



LEGEND

- 200mmØ WM: PROPOSED WATERMAIN
- V&VB: PROPOSED VALVE LOCATION
- HYD: PROPOSED HYDRANT C/W VALVE & LEAD
- T/F=98.45: PROPOSED TOP OF BOTTOM FLANGE
- BEND: PROPOSED BEND AND THRUSTBLOCK 11.25', 22.5', 45' or TEE (SEE PLAN AND PROFILES)
- SERVICE CONNECTION STUB (SINGLE): 100mm STORM @ 1.0%, 19mm WATER, 125mm SANITARY @ 1.0%
- PROPOSED SANITARY MH & SEWER
- PROPOSED STORM MH & SEWER
- LYCB: PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
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- EXISTING FENCE - CHAINLINK
- SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
- UTILITY EASEMENT
- PROPOSED OVERLAY



LEGEND

- BH 19-17, 91.92: BOREHOLE LOCATION
- FILL
- TOP SOIL
- SAND
- CLAYEY SILT
- SILTY CLAY
- GLACIAL TILL
- WEATHERED BEDROCK

#18535

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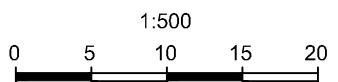
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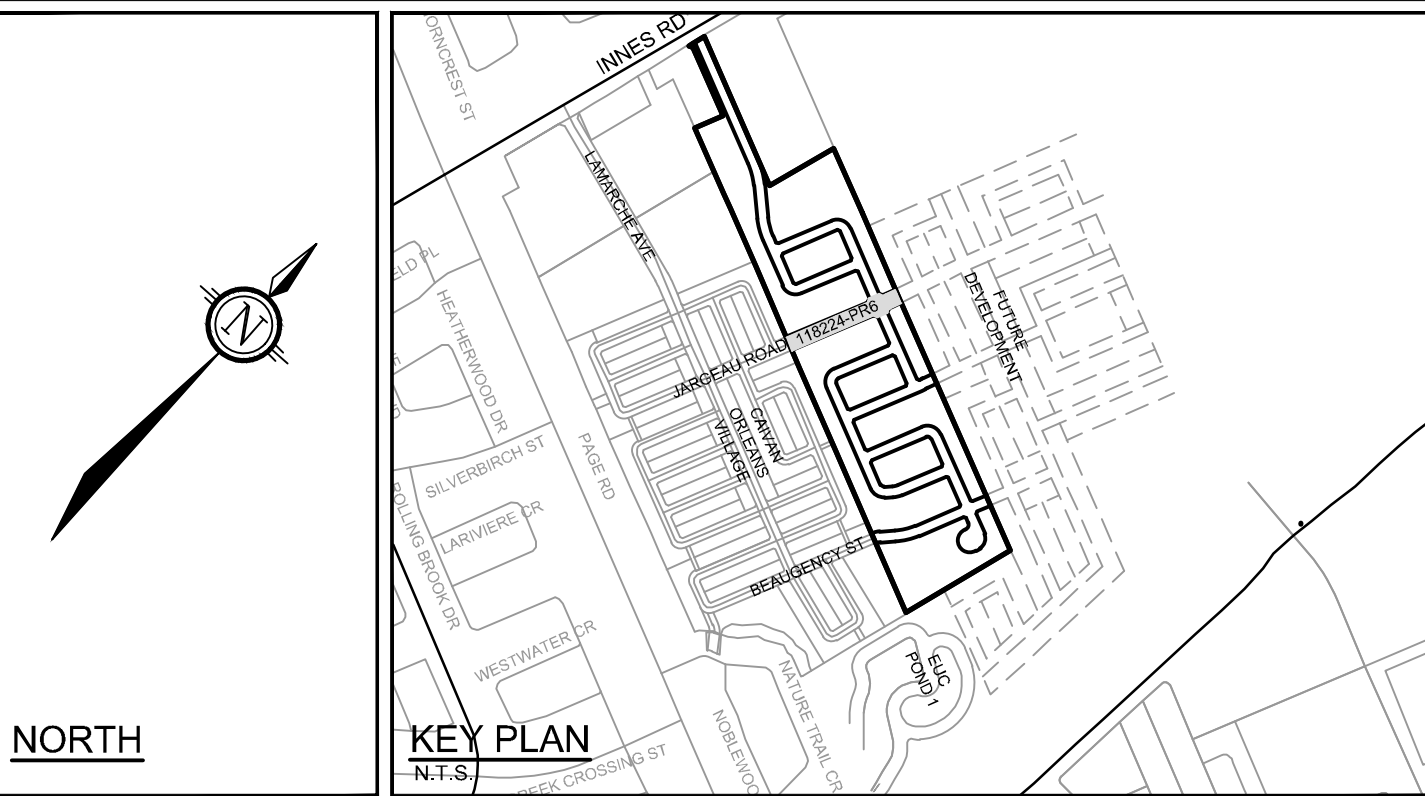
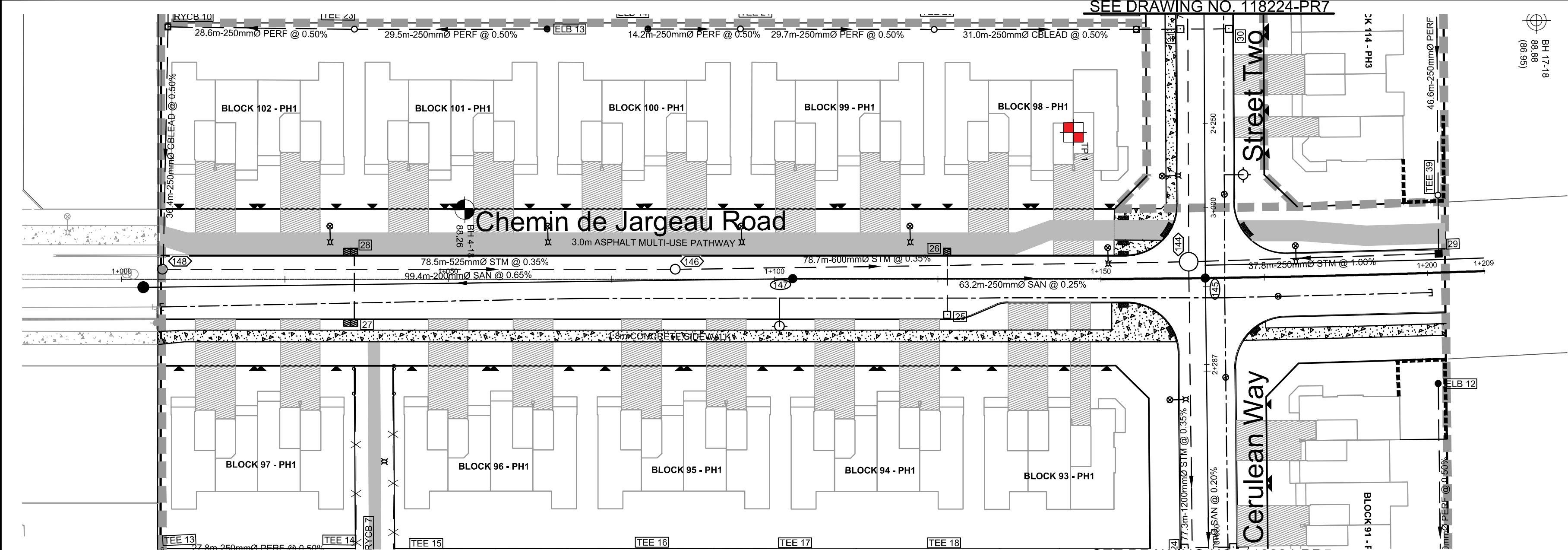
DRAWING NAME
PLAN AND PROFILE
CHEMIN DE JARGEAU ROAD
STATION 1+000 TO 1+209

PROJECT No.
118224-00

REV
REV # 3

DRAWING No.
118224-PR6

D07-16-19-0027 #18535

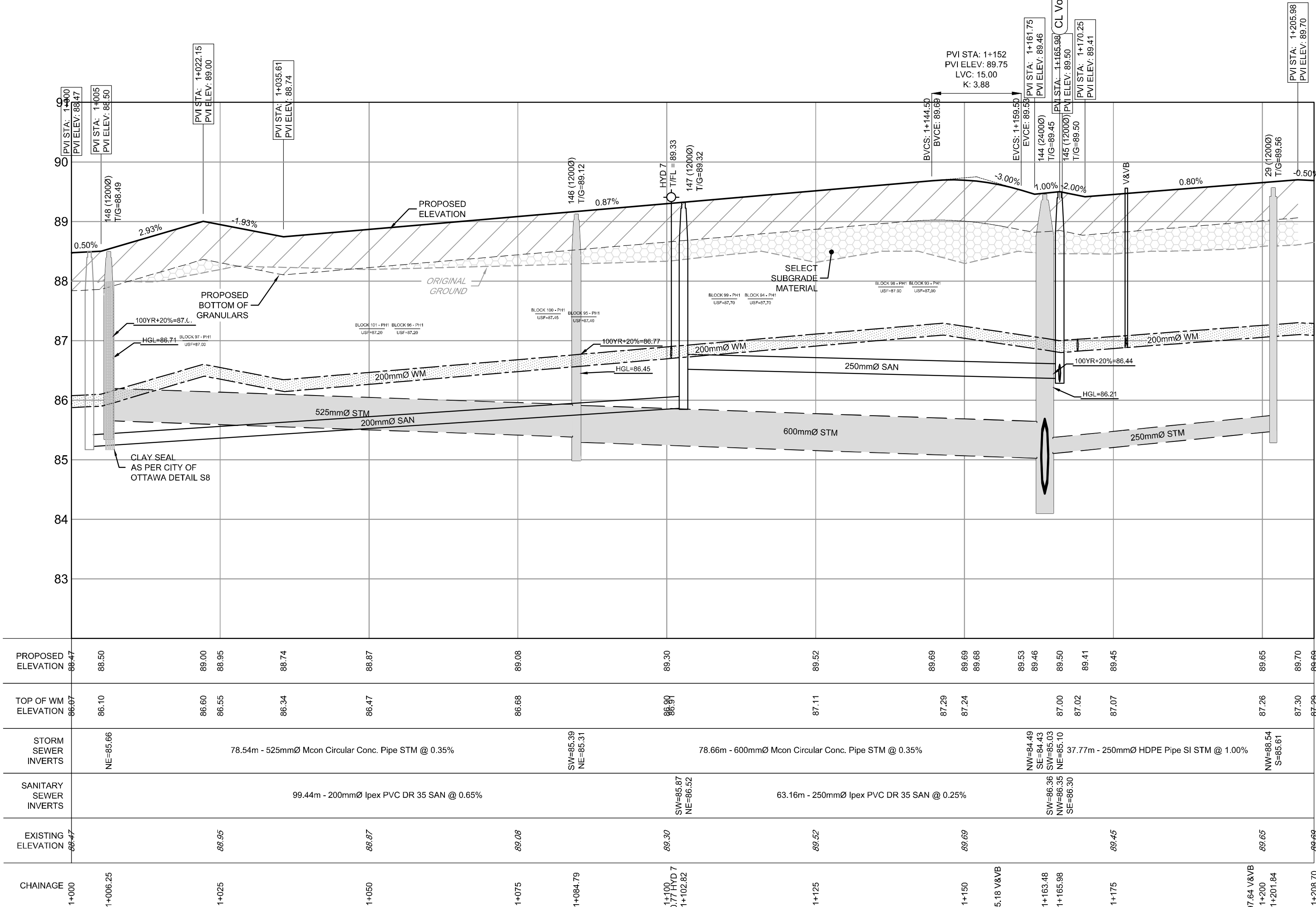


LEGEND

- 200mmØ WM PROPOSED WATERMAIN
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- HYD T/F=98.45 PROPOSED HYDRANT CIW VALVE & LEAD
- BEND PROPOSED TOP OF BOTTOM FLANGE
- PROPOSED BEND AND THRUST BLOCK 11.25", 22.5", 45" or TEE (SEE PLAN AND PROFILES)
- SERVICE CONNECTION STUB (SINGLE)
 - 100mm STORM @1.0%
 - 19mm WATER
 - 125mm SANITARY @1.0%
- PROPOSED SANITARY MH & SEWER
- PROPOSED STORM MH & SEWER
- LYCB PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
- LYCB PROPOSED LANDSCAPE ELBOW CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
- RYCBMH PROPOSED REAR YARD CATCHBASIN MANHOLE & LEAD
- RYCB PROPOSED REAR YARD CATCHBASIN & LEAD
- CB PROPOSED ROAD CATCHBASIN
- DIRECTION OF FLOW
- EXISTING 1.8m CONCRETE SIDEWALK
- DRAINAGE EASEMENT
- EXISTING FENCE - CHAINLINK
- SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
- UTILITY EASEMENT
- PROPOSED OVERLAY

LEGEND

- BH 19.17 91.92 BOREHOLE LOCATION
- FILL
- TOP SOIL
- SAND
- CLAYEY SILT
- SILTY CLAY
- GLACIAL TILL
- WEATHERED BEDROCK



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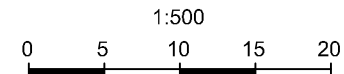
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PRELIMINARY

No.	REVISION	DATE	BY
3.	REVISED AND REISSUED FOR REVIEW	NOV 26/21	BHB
2.	ISSUED FOR REVIEW	JUN 18/21	BHB
1.	ISSUED FOR DISCUSSION	MAR 5/21	BHB

SCALE

1 : 500



DESIGN	DJC
CHECKED	BCS
DRAWN	DJC
CHECKED	BCS
APPROVED	BHB

FOR REVIEW ONLY

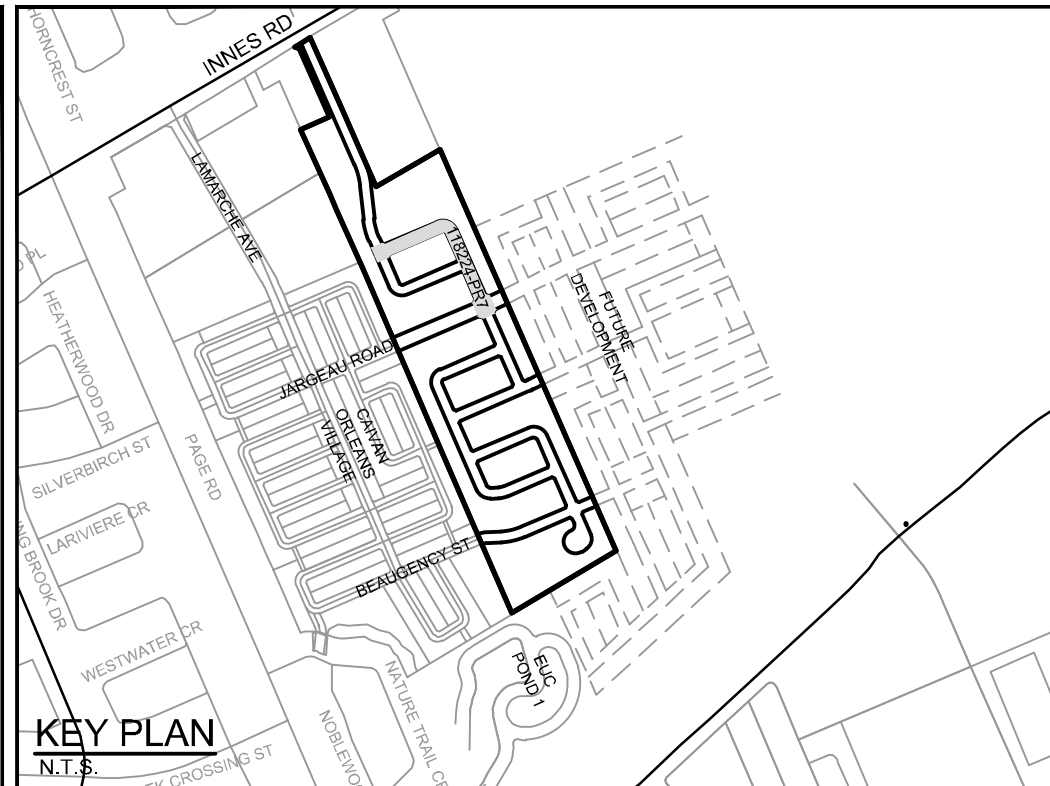
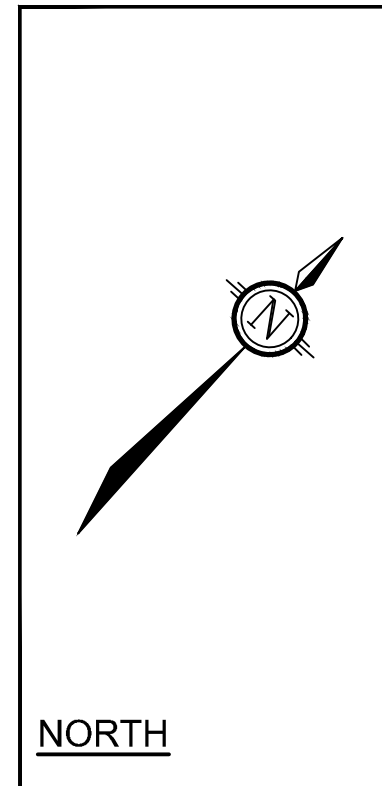
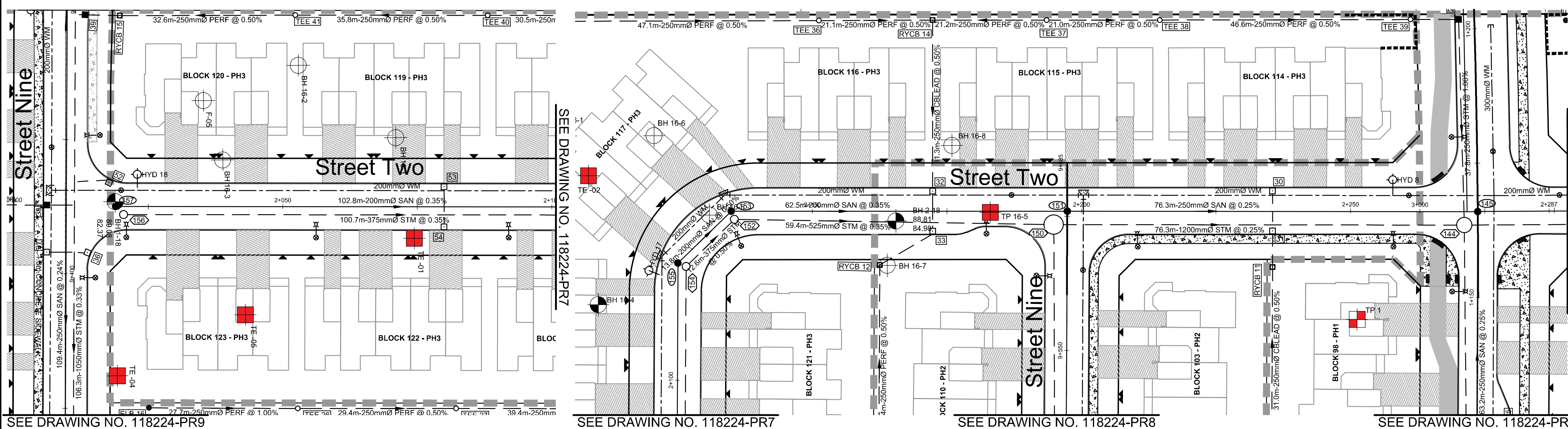


NOVATECH
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Telephone (613) 254-9643
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Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
THE COMMONS

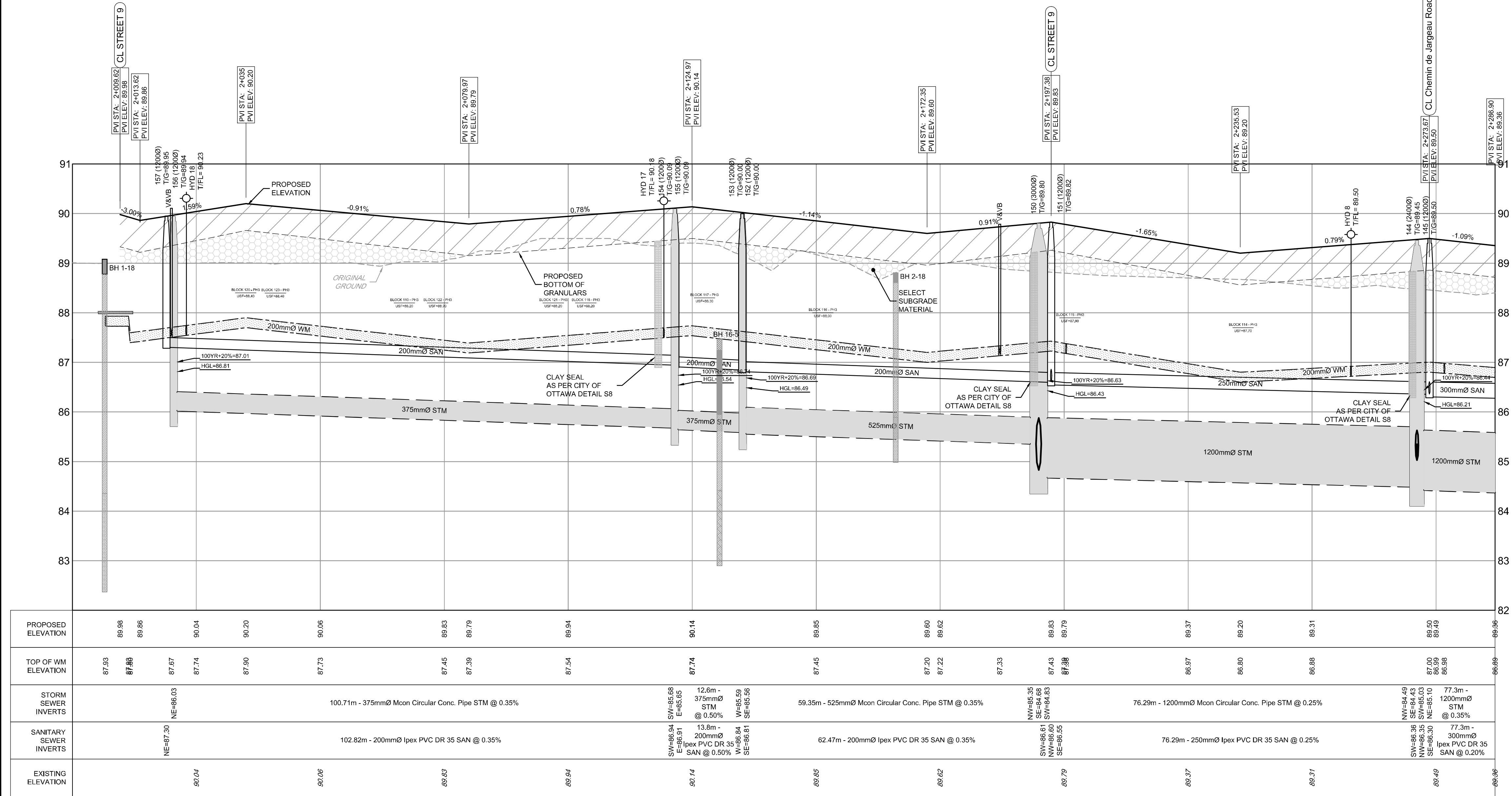
DRAWING NAME
**PLAN AND PROFILE
STREET 2
STATION 2+000 TO 2+287**

PROJECT No.	118224-00
REV	REV # 3
DRAWING No.	118224-PR7



LEGEND

- PROPOSED WATERMAIN
- PROPOSED VALVE LOCATION
- VALVE & VALVE BOX
- PROPOSED HYDRANT C/W VALVE & LEAD
- PROPOSED TOP OF BOTTOM FLANGE
- PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)
- SERVICE CONNECTION STUB (SINGLE)
 - 100mm STORM @1.0%
 - 19mm WATER
 - 125mm SANITARY @1.0%
- PROPOSED SANITARY MH & SEWER
- PROPOSED STORM MH & SEWER
- LYCB
- LYCB
- RYCBMH
- RYCB
- CB
- PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
- PROPOSED LANDSCAPE ELBOW CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
- PROPOSED REAR YARD CATCHBASIN MANHOLE & LEAD
- PROPOSED REAR YARD CATCHBASIN & LEAD
- PROPOSED ROAD CATCHBASIN
- DIRECTION OF FLOW
- EXISTING 1.8m CONCRETE SIDEWALK
- DRAINAGE EASEMENT
- EXISTING FENCE - CHAINLINK
- SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
- UTILITY EASEMENT
- PROPOSED OVERLAY



LEGEND

- BH 19.17 91.92
- BOREHOLE LOCATION
- FILL
- TOP SOIL
- SAND
- CLAYEY SILT
- SILTY CLAY
- GLACIAL TILL
- WEATHERED BEDROCK

#18535

D07-16-19-0027

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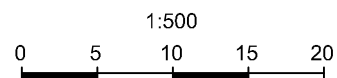
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3.	REVISED AND REISSUED FOR REVIEW	NOV 26/21	BHB
2.	ISSUED FOR REVIEW	JUN 18/21	BHB
1.	ISSUED FOR DISCUSSION	MAR 5/21	BHB

SCALE

1 : 500



DESIGN	DJC
CHECKED	BCS
DRAWN	DJC
CHECKED	BCS
APPROVED	BHB

FOR REVIEW ONLY

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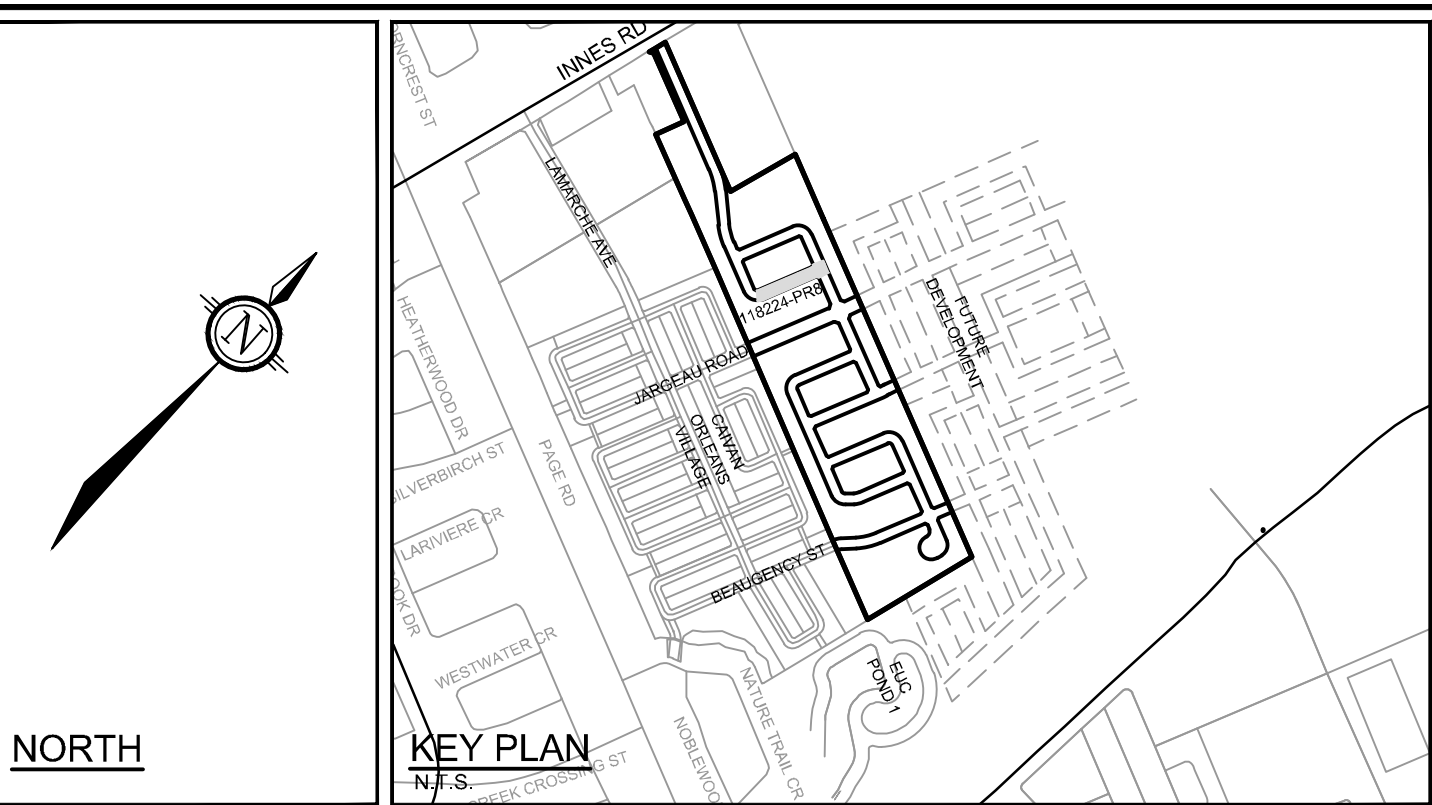
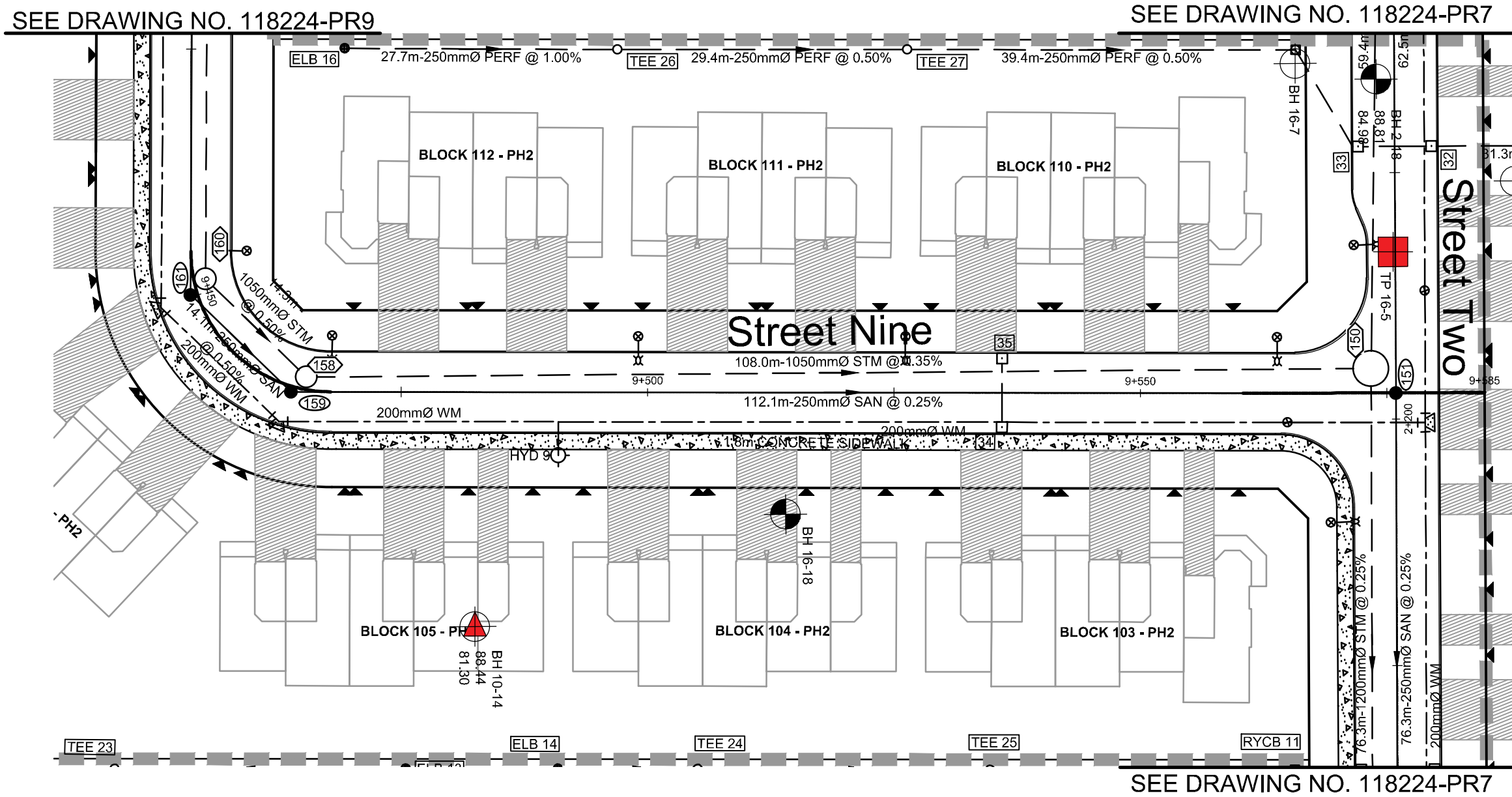
LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME
**PLAN AND PROFILE
STREET 9
STATION 9+450 TO 9+584**

PROJECT No.
118224-00

REV
REV # 3

DRAWING No.
118224-PR8

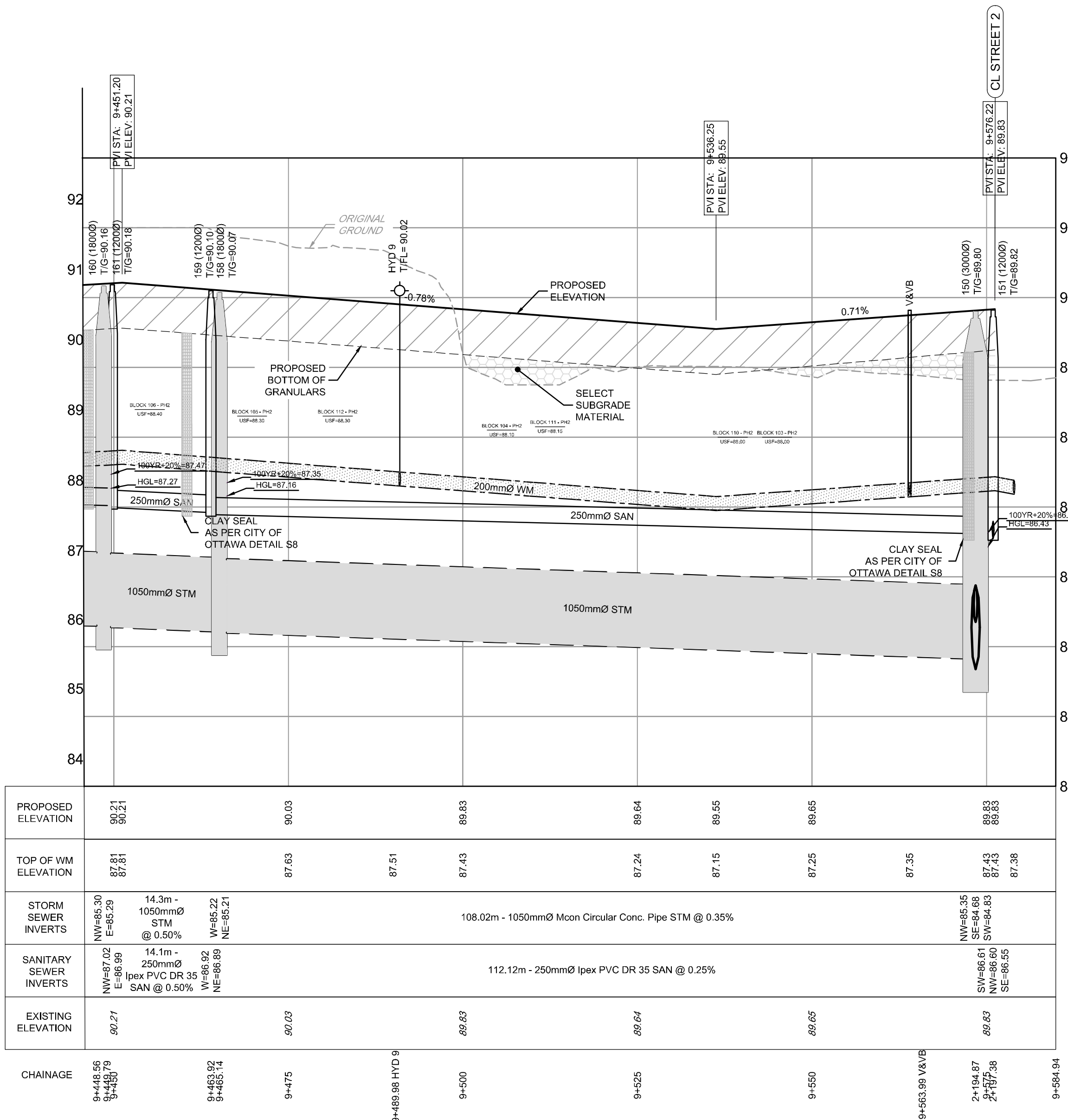


LEGEND

200mmØ WM	PROPOSED WATERMAIN		PROPOSED STORM MH & SEWER
	PROPOSED VALVE LOCATION	LYCB	PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
V&VB	VALVE & VALVE BOX	LYCB	PROPOSED LANDSCAPE ELBOW CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
HYD	PROPOSED HYDRANT C/W VALVE & LEAD	RYCBMH	PROPOSED REAR YARD CATCHBASIN MANHOLE & LEAD
T/F=98.45	PROPOSED TOP OF BOTTOM FLANGE	CB	PROPOSED ROAD CATCHBASIN
BEND	PROPOSED BEND AND THRUSTBLOCK (11.25', 22.5', 45' or TEE (SEE PLAN AND PROFILES))		DIRECTION OF FLOW
	SERVICE CONNECTION STUB (SINGLE)		EXISTING 1.8m CONCRETE SIDEWALK
├ 100mm STORM @1.0%			DRAINAGE EASEMENT
├ 19mm WATER		— X — X — X —	EXISTING FENCE - CHAINLINK
└ 125mm SANITARY @1.0%			SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
			UTILITY EASEMENT
			PROPOSED OVERLAY

LEGEND

BH 19-17 91.92	BOREHOLE LOCATION
	FILL
	TOP SOIL
	SAND
	CLAYEY SILT
	SILTY CLAY
	GLACIAL TILL
	WEATHERED BEDROCK



PROPOSED ELEVATION	90.21 90.21	90.03	89.83	89.64	89.55	89.65	89.83 89.83
TOP OF WM ELEVATION	87.81 87.81	87.63	87.51	87.43	87.24	87.15	87.43 87.43
STORM SEWER INVERTS	NW=86.30 E=86.29 SW=86.35 SE=86.33	14.3m - 1050mmØ STM @ 0.50%		108.02m - 1050mmØ Moon Circular Conc. Pipe STM @ 0.35%			NW=86.35 E=86.38 SW=86.33 SE=86.35
SANITARY SEWER INVERTS	NW=87.02 E=86.99 SW=86.61 SE=86.25	14.1m - 250mmØ Ipxx PVC DR 35 SAN @ 0.50%		112.12m - 250mmØ Ipxx PVC DR 35 SAN @ 0.25%			
EXISTING ELEVATION	90.21	90.03	89.83	89.64	89.65	89.83	89.83

CHAINAGE	9+448.56 9+448.79	9+463.92 9+465.14	9+475	9+489.88 HYD 9	9+500	9+525	9+550	9+563.99 V&VB	9+584.87 9+584.94
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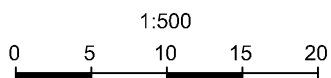
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1.	ISSUED FOR DISCUSSION	MAR 5/21	BHB

SCALE

1 : 500



DESIGN	DJC
CHECKED	BCS
DRAWN	DJC
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APPROVED	BHB

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LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME
**PLAN AND PROFILE
STREET 9
STATION 9+275 TO 9+450**

PROJECT No.

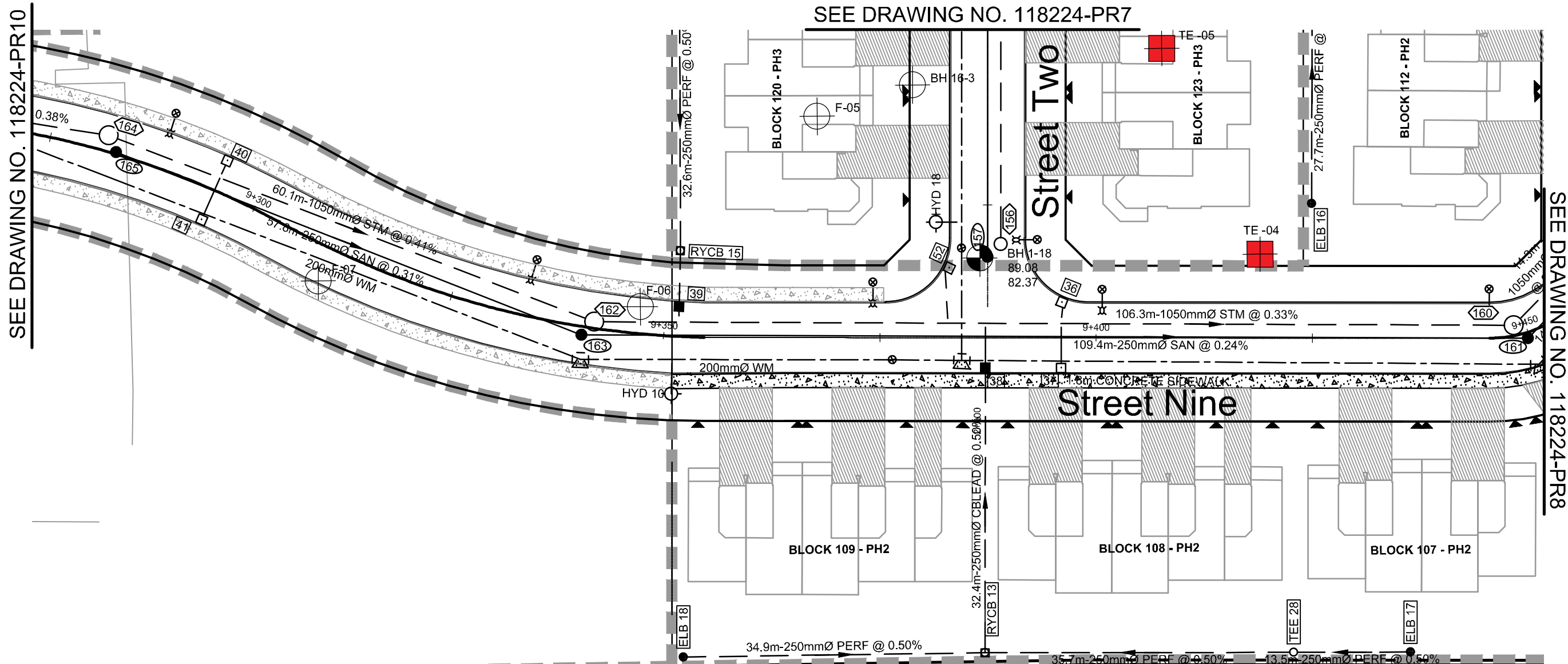
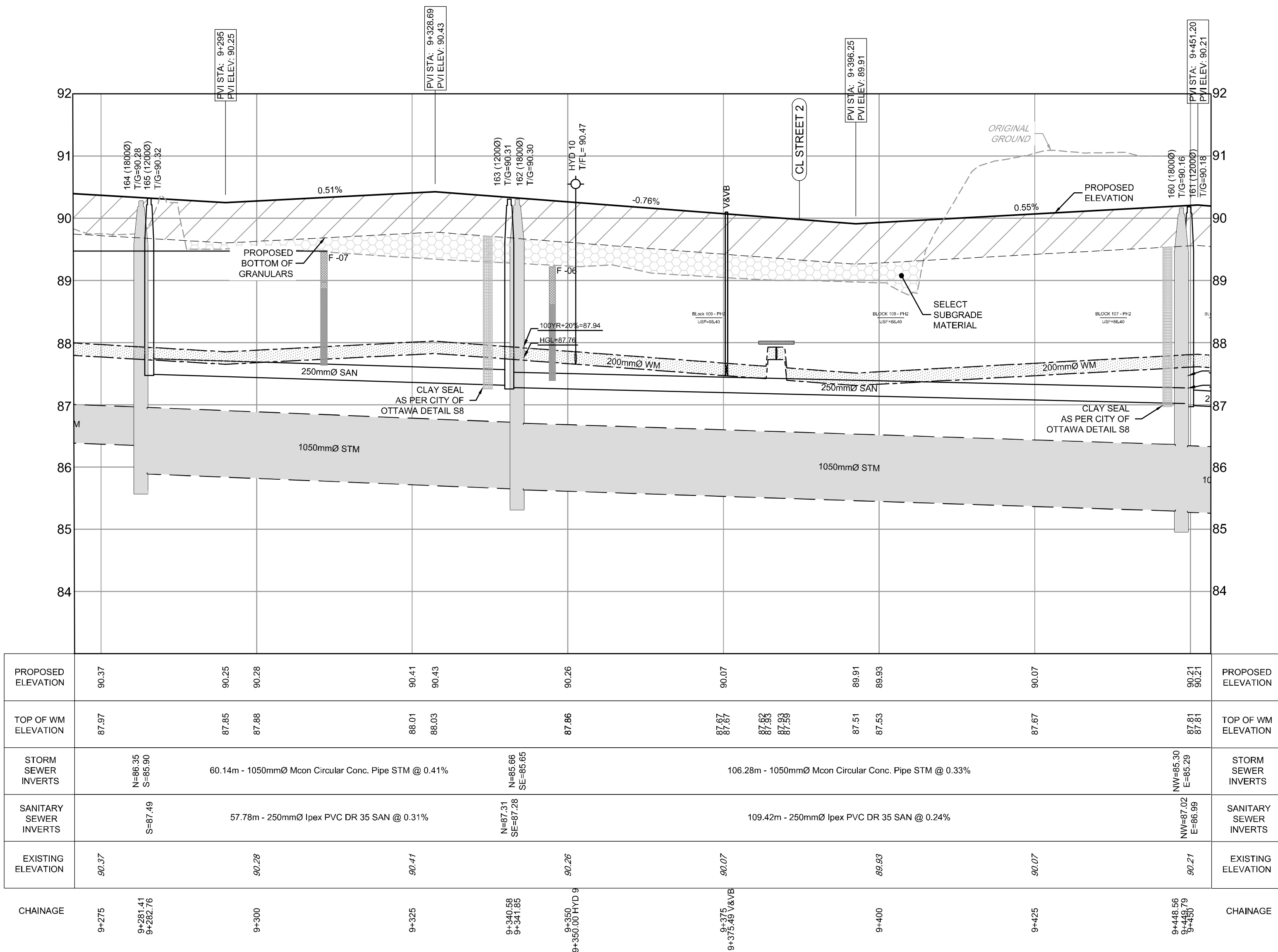
118224-00

REV

REV # 3

DRAWING No.

118224-PR9



LEGEND

200mmØ WM

V&VB

HYD

T/F=98.45

BEND

PROPOSED BEND AND THRUSTBLOCK
11.25°, 22.5°, 45° or TEE
(SEE PLAN AND PROFILES)

SERVICE CONNECTION STUB (SINGLE)

100mm STORM @1.0%

19mm WATER

125mm SANITARY @1.0%

PROPOSED WATERMAIN

PROPOSED VALVE LOCATION

VALVE & VALVE BOX

PROPOSED HYDRANT CW VALVE & LEAD

PROPOSED TOP OF BOTTOM FLANGE

PROPOSED BEND AND THRUSTBLOCK
11.25°, 22.5°, 45° or TEE
(SEE PLAN AND PROFILES)

SERVICE CONNECTION STUB (SINGLE)

100mm STORM @1.0%

19mm WATER

125mm SANITARY @1.0%

PROPOSED SANITARY MH & SEWER

PROPOSED STORM MH & SEWER

LYCB

PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31

LYCB

PROPOSED LANDSCAPE ELBOW CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31

RYCBMH

PROPOSED REAR YARD CATCHBASIN MANHOLE & LEAD

RYCB

PROPOSED REAR YARD CATCHBASIN & LEAD

CB

PROPOSED ROAD CATCHBASIN

DIRECTION OF FLOW

EXISTING 1.8m CONCRETE SIDEWALK

DRAINAGE EASEMENT

EXISTING FENCE - CHAINLINK

SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS

UTILITY EASEMENT

PROPOSED OVERLAY

LEGEND

BH 19.17
91.92

BOREHOLE LOCATION

FILL

TOP SOIL

SAND

CLAYEY SILT

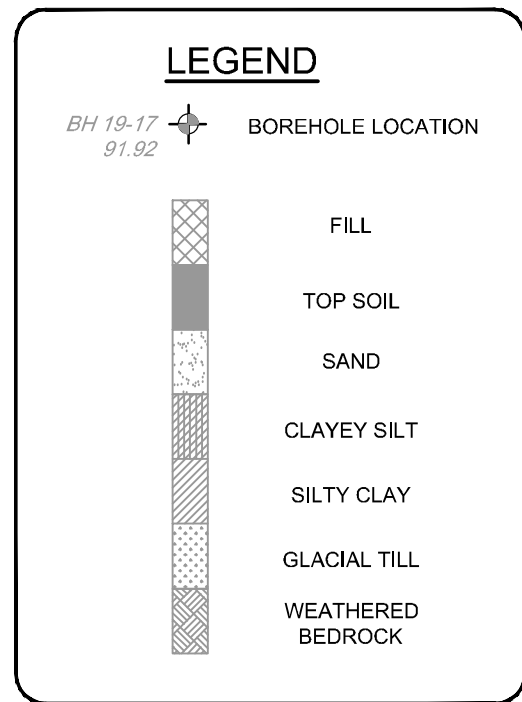
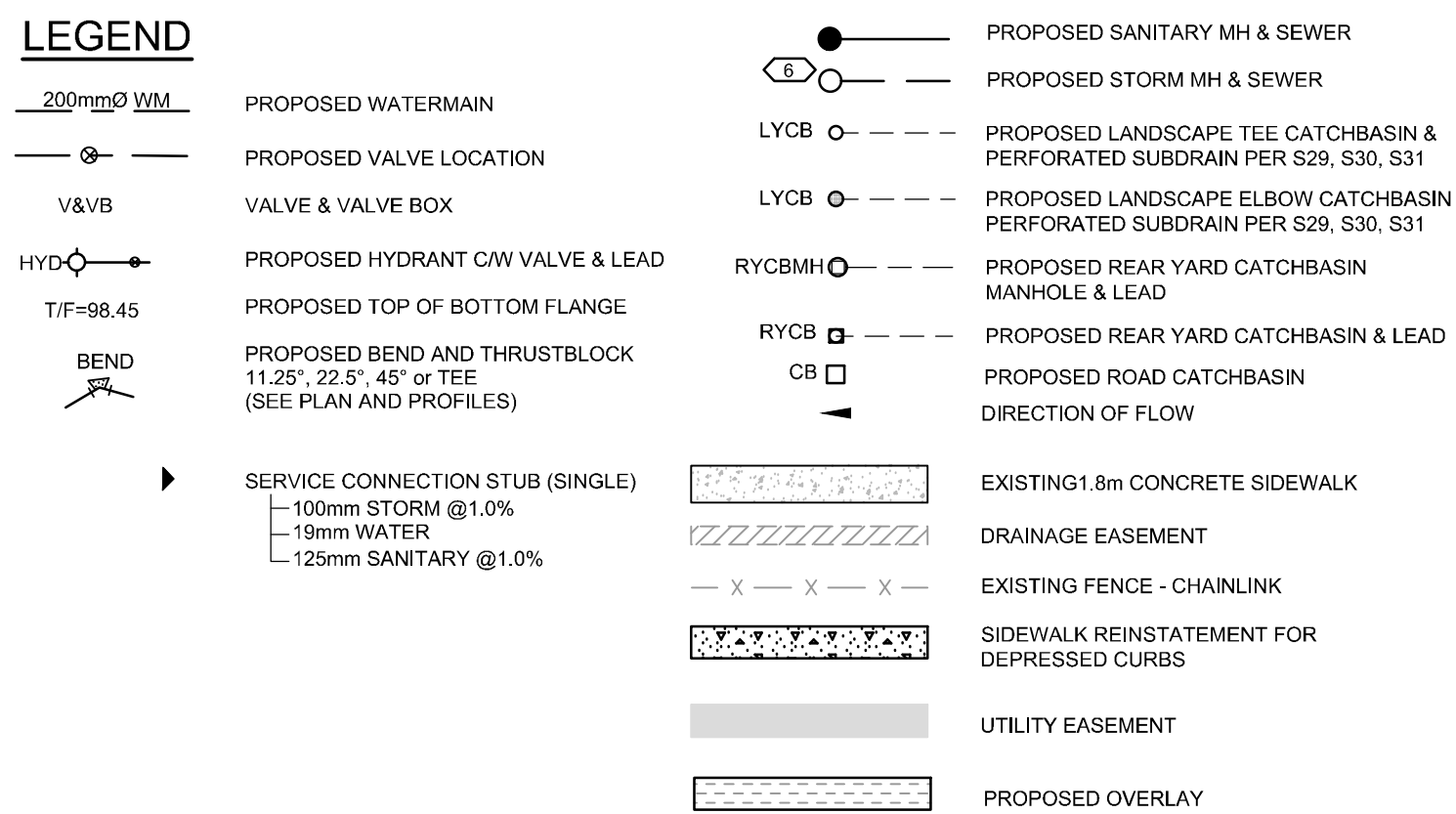
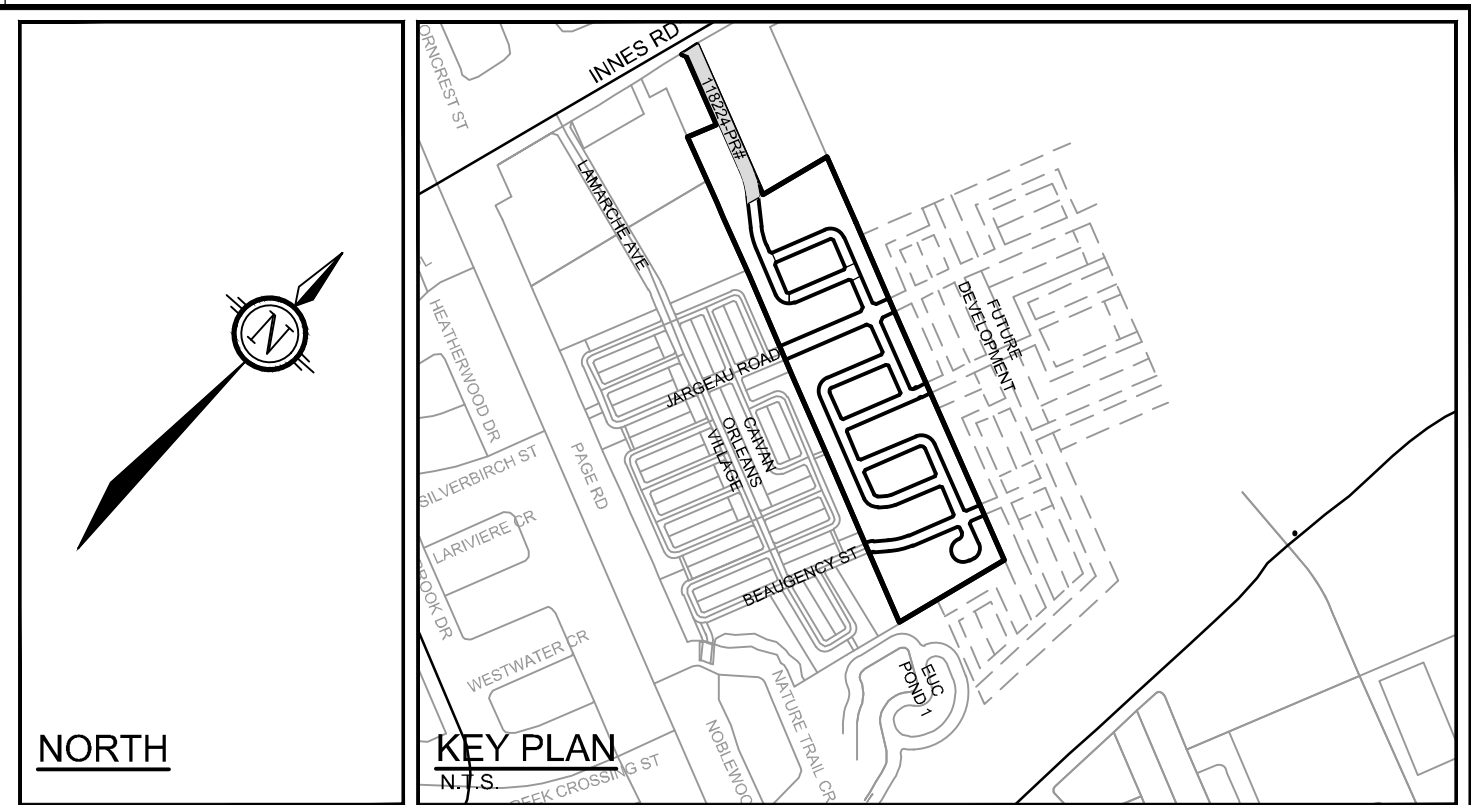
SILTY CLAY

GLACIAL TILL

WEATHERED BEDROCK

#18535

D07-16-19-0027



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2.	ISSUED FOR REVIEW	JUN 18/21	BHB	
1.	ISSUED FOR DISCUSSION	MAR 5/21	BHB	
No.	REVISION	DATE		BY

A scale bar for a map with a scale of 1:500. The bar is marked with 0, 5, 10, 15, and 20.

APPROVED _____ D: _____



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Facsimile (613) 254-5867
Website www.novatech-eng.com

PLAN AND PROFILE
STREET 9
STATION 9+000 TO 9+275

DRAWING No.

118224-PR10

D07-16-19-0027

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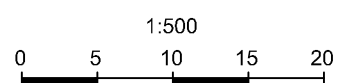
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SCALE

1 : 500



DESIGN	DJC
CHECKED	BCS
DRAWN	DJC
CHECKED	BCS
APPROVED	BHB

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LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME
**PLAN AND PROFILE
STREET 5
STATION 5+000 TO 5+169.83**

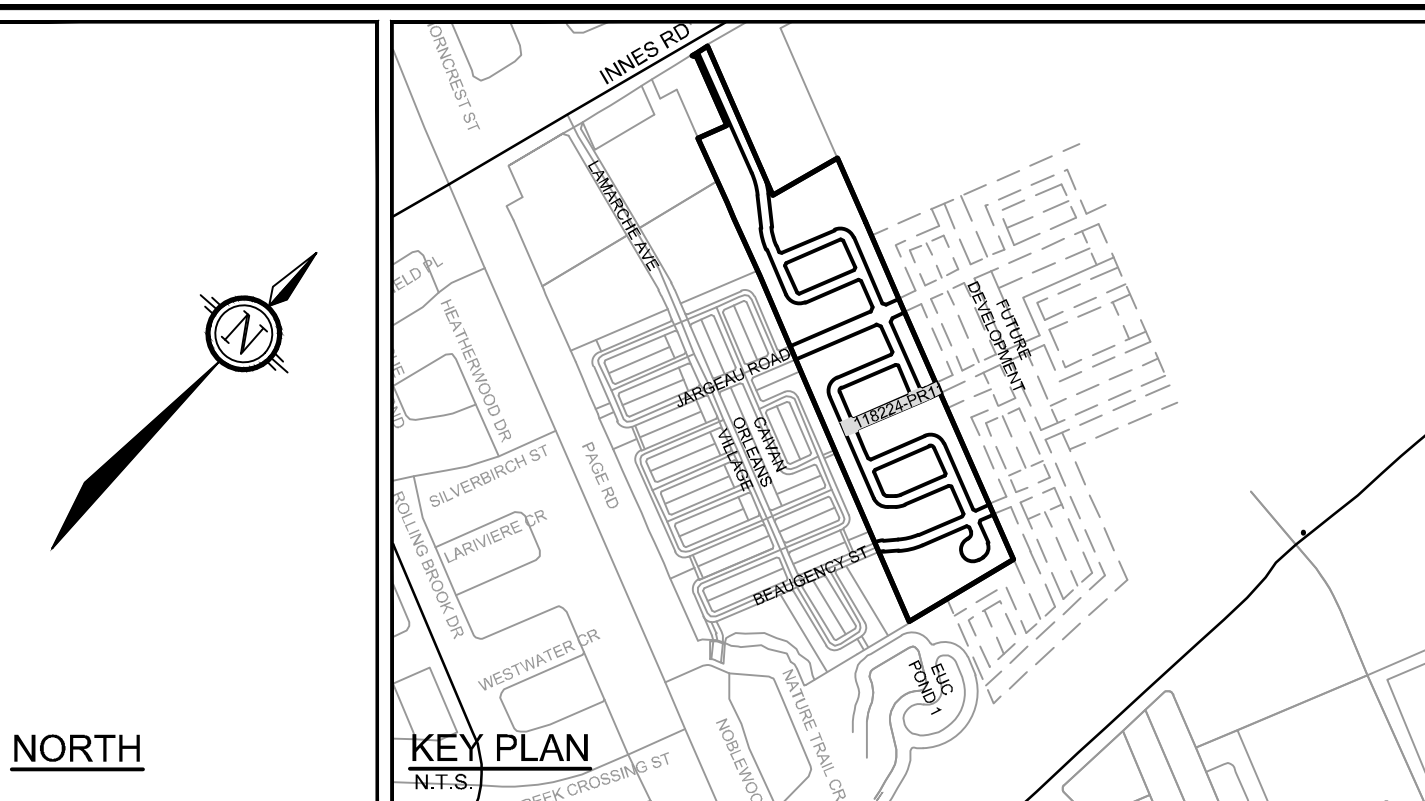
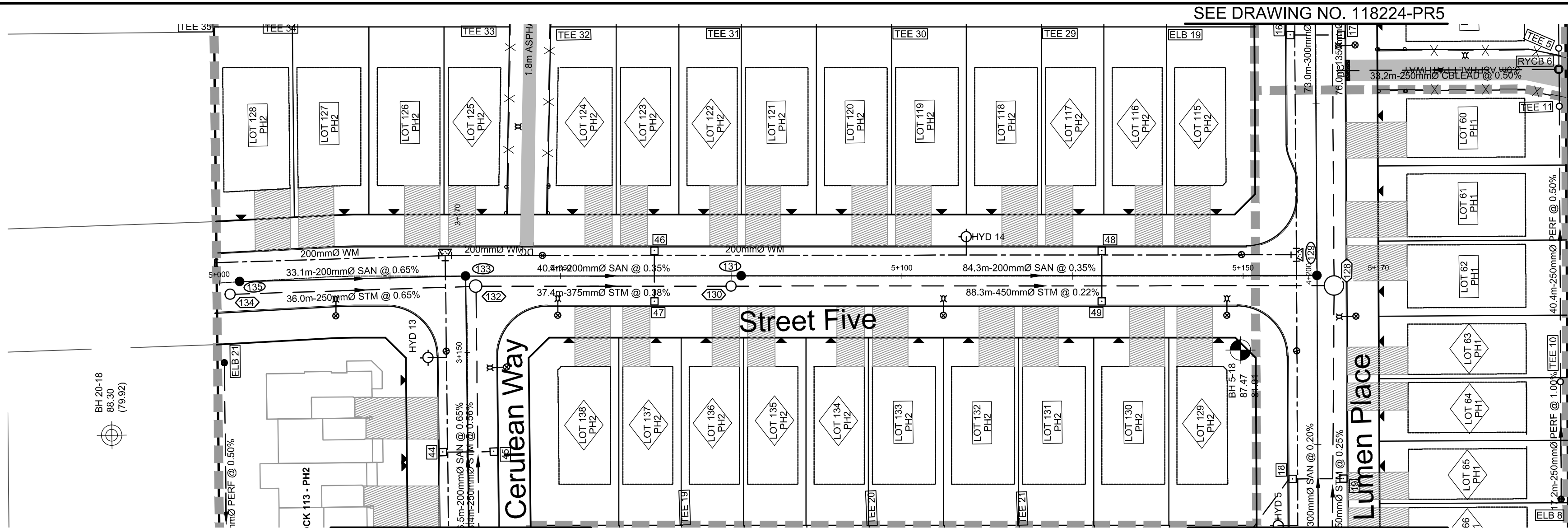
PROJECT No.
118224-00

REV
REV # 3

DRAWING No.
118224-PR11

#18535

D07-16-19-0027

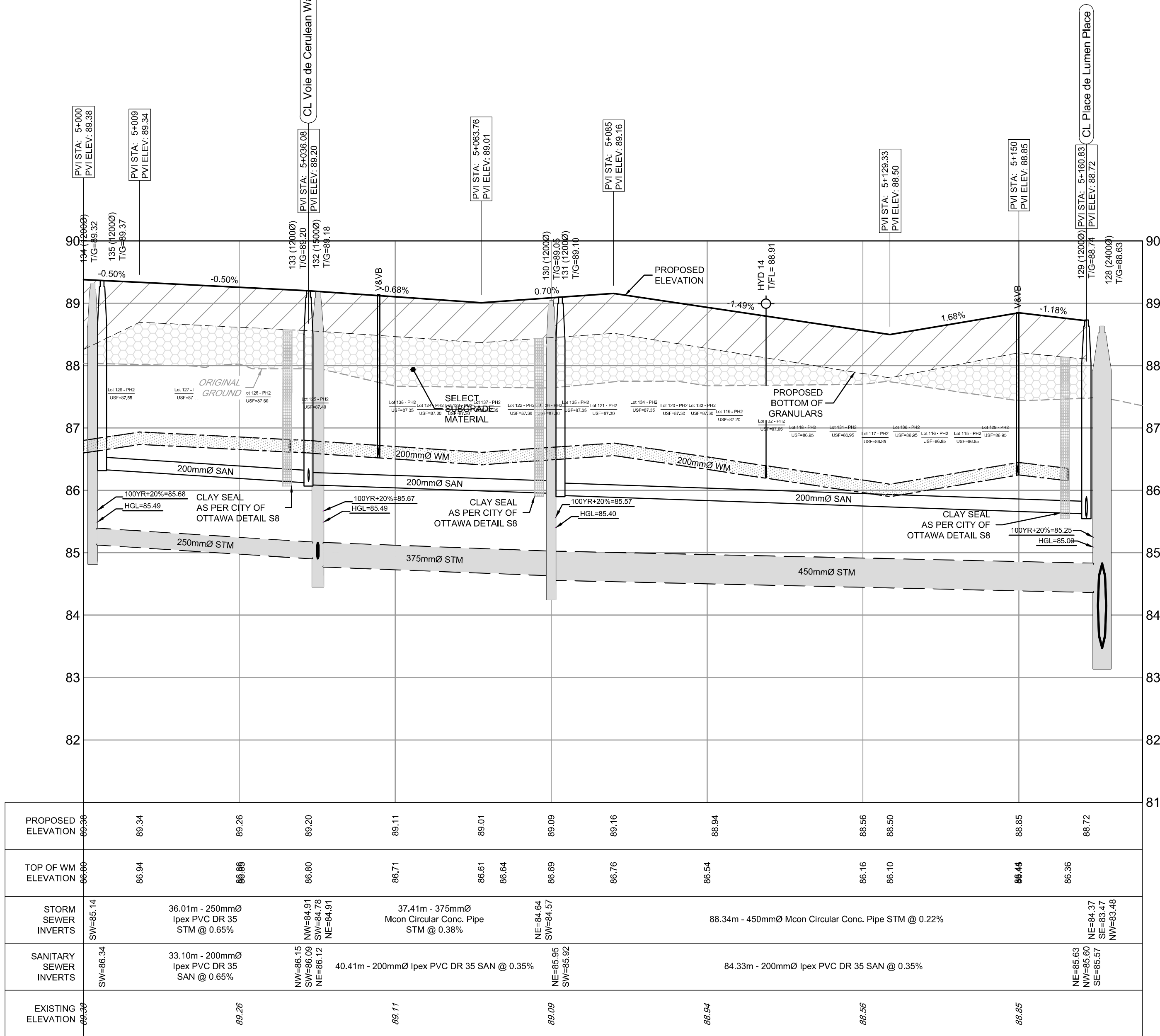


LEGEND

- 200mmØ WM PROPOSED WATERMAIN
- PROPOSED VALVE LOCATION
- V&VB VALVE & VALVE BOX
- HYD HYDRANT C/W VALVE & LEAD
- T/F=98.45 PROPOSED TOP OF BOTTOM FLANGE
- BEND PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)
- SERVICE CONNECTION STUB (SINGLE)
 - 100mm STORM @1.0%
 - 19mm WATER
 - 125mm SANITARY @1.0%
- PROPOSED SANITARY MH & SEWER
- PROPOSED STORM MH & SEWER
- LYCB PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
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- RYCBMH PROPOSED REAR YARD CATCHBASIN MANHOLE & LEAD
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- EXISTING FENCE - CHAINLINK
- SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
- UTILITY EASEMENT
- PROPOSED OVERLAY

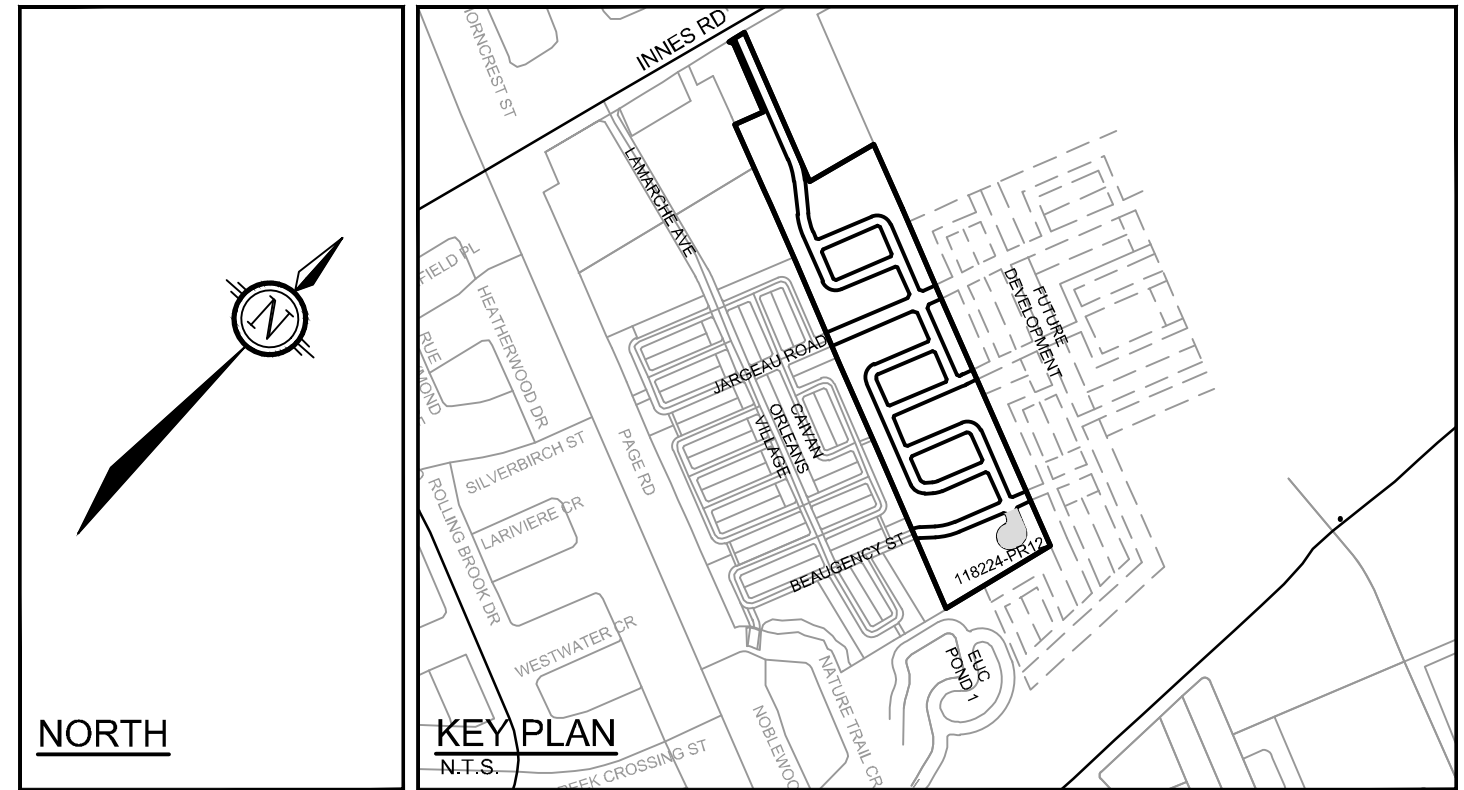
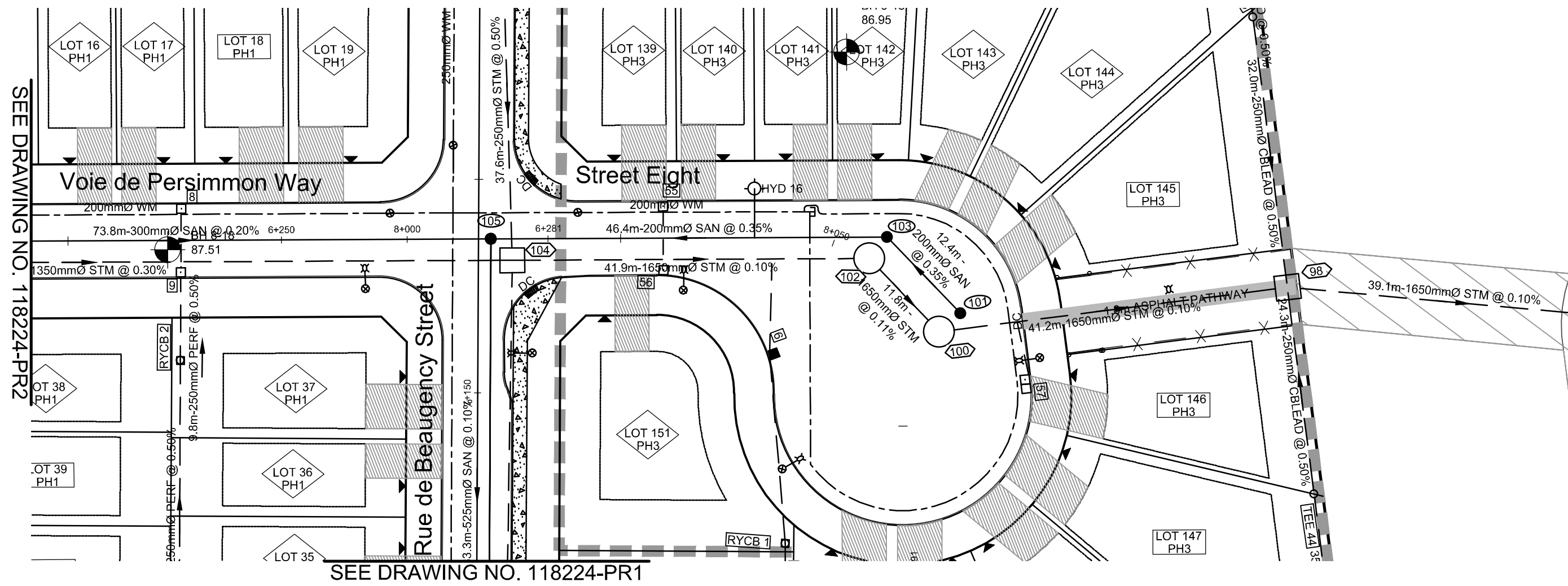
LEGEND

- BH 19-17 91.92 BOREHOLE LOCATION
- FILL
- TOP SOIL
- SAND
- CLAYEY SILT
- SILTY CLAY
- GLACIAL TILL
- WEATHERED BEDROCK

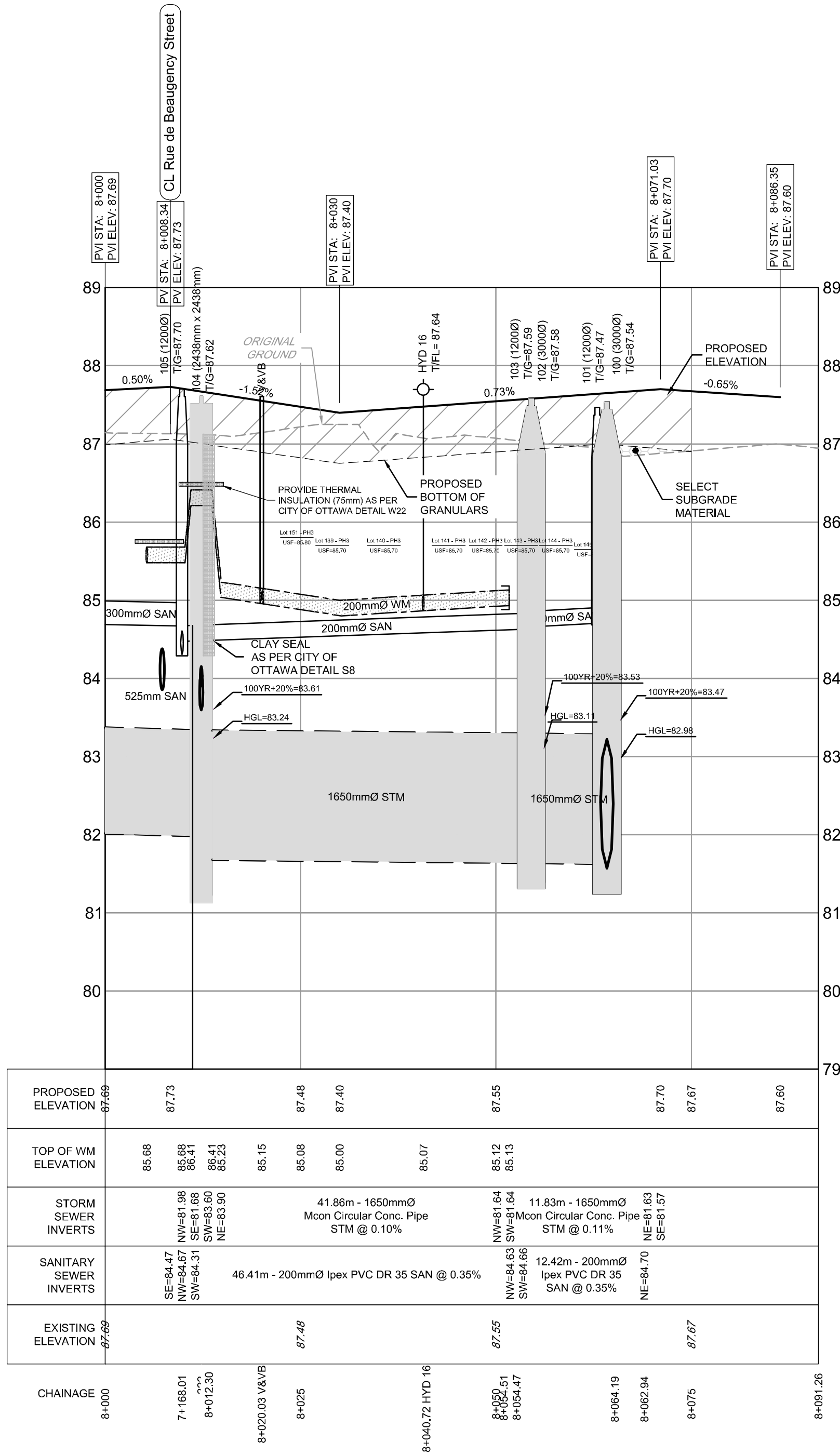


PROPOSED ELEVATION	89.36	89.34	89.26	89.20	89.11	89.01	89.09	89.16	88.94	88.66	88.50	88.05	88.72
TOP OF WM ELEVATION	88.90	88.94	88.86	88.80	88.71	88.61	88.69	88.76	88.54	88.16	88.10	88.45	88.36
STORM SEWER INVERTS	SW=85.14	36.01m - 250mmØ IpeX PVC DR 35 STM @ 0.65%	NW=84.91 SW=84.78 NE=84.51	40.41m - 200mmØ IpeX PVC DR 35 SAN @ 0.35%	37.41m - 375mmØ Mcon Circular Conc. Pipe STM @ 0.38%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%
SANITARY SEWER INVERTS	SW=86.34	33.10m - 200mmØ IpeX PVC DR 35 SAN @ 0.65%	NW=86.15 SW=86.12 NE=86.12	40.41m - 200mmØ IpeX PVC DR 35 SAN @ 0.35%	37.41m - 375mmØ Mcon Circular Conc. Pipe STM @ 0.38%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%	88.34m - 450mmØ Mcon Circular Conc. Pipe STM @ 0.22%
EXISTING ELEVATION	89.36	89.34	89.26	89.20	89.11	89.01	89.09	89.16	88.94	88.66	88.50	88.05	88.72

CHAINAGE	5+000 5+007.48 5+002.98	5+025 5+025.34 V&VB	5+036.10 5+037.60	5+050	5+075 5+075.60	5+100	5+148.81 V&VB 5+150	5+169.79 4+198.28	5+169.83
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- LEGEND**
- 200mm Ø WM: PROPOSED WATERMAIN
 - V&VB: PROPOSED VALVE LOCATION
 - HYD: PROPOSED HYDRANT C/W VALVE & LEAD
 - T/F=98.45: PROPOSED TOP OF BOTTOM FLANGE
 - BEND: PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)
 - SERVICE CONNECTION STUB (SINGLE): 100mm STORM @ 1.0%, 19mm WATER, 125mm SANITARY @ 1.0%
 - PROPOSED SANITARY MH & SEWER
 - PROPOSED STORM MH & SEWER
 - LYCB: PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
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 - RYCB: PROPOSED REAR YARD CATCHBASIN & LEAD
 - CB: PROPOSED ROAD CATCHBASIN
 - DIRECTION OF FLOW
 - EXISTING 1.8m CONCRETE SIDEWALK
 - DRAINAGE EASEMENT
 - EXISTING FENCE - CHAINLINK
 - SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
 - UTILITY EASEMENT
 - PROPOSED OVERLAY

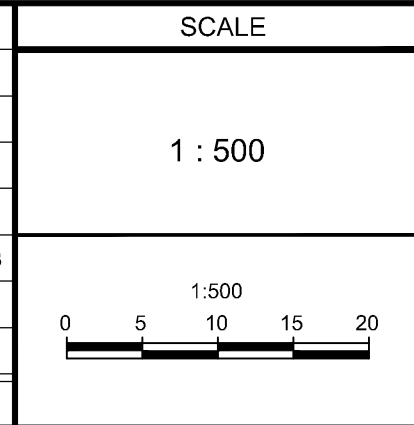


- LEGEND**
- BH 19.17, 91.92: BOREHOLE LOCATION
 - FILL
 - TOP SOIL
 - SAND
 - CLAYEY SILT
 - SILTY CLAY
 - GLACIAL TILL
 - WEATHERED BEDROCK

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

PRELIMINARY

No.	REVISION	DATE	BY
3.	REVISED AND REISSUED FOR REVIEW	NOV 26/21	BHB
2.	ISSUED FOR REVIEW	JUN 18/21	BHB
1.	ISSUED FOR DISCUSSION	MAR 5/21	BHB



DESIGN: DJC

CHECKED: BCS

DRAWN: DJC

CHECKED: BCS

APPROVED: BHB

FOR REVIEW ONLY

PROFESSIONAL ENGINEER

B. H. BAHIA
100164647
Nov 26, 2021
PROVINCE OF ONTARIO

NOVATECH

Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6

Telephone: (613) 254-9643
Facsimile: (613) 254-5867
Website: www.novatech-eng.com

LOCATION: CITY OF OTTAWA THE COMMONS

DRAWING NAME: PLAN AND PROFILE STREET 8 STATION 8+000 TO 8+091

PROJECT No.: 118224-00

REV: REV # 3

DRAWING No.: 118224-PR12

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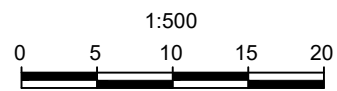
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2.	ISSUED FOR REVIEW	JUN 18/21	BHB
1.	ISSUED FOR DISCUSSION	MAR 5/21	BHB

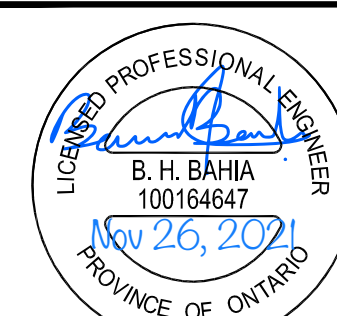
SCALE

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CHECKED	BCS
DRAWN	DJC
CHECKED	BCS
APPROVED	BHB

FOR REVIEW ONLY



NOVATECH

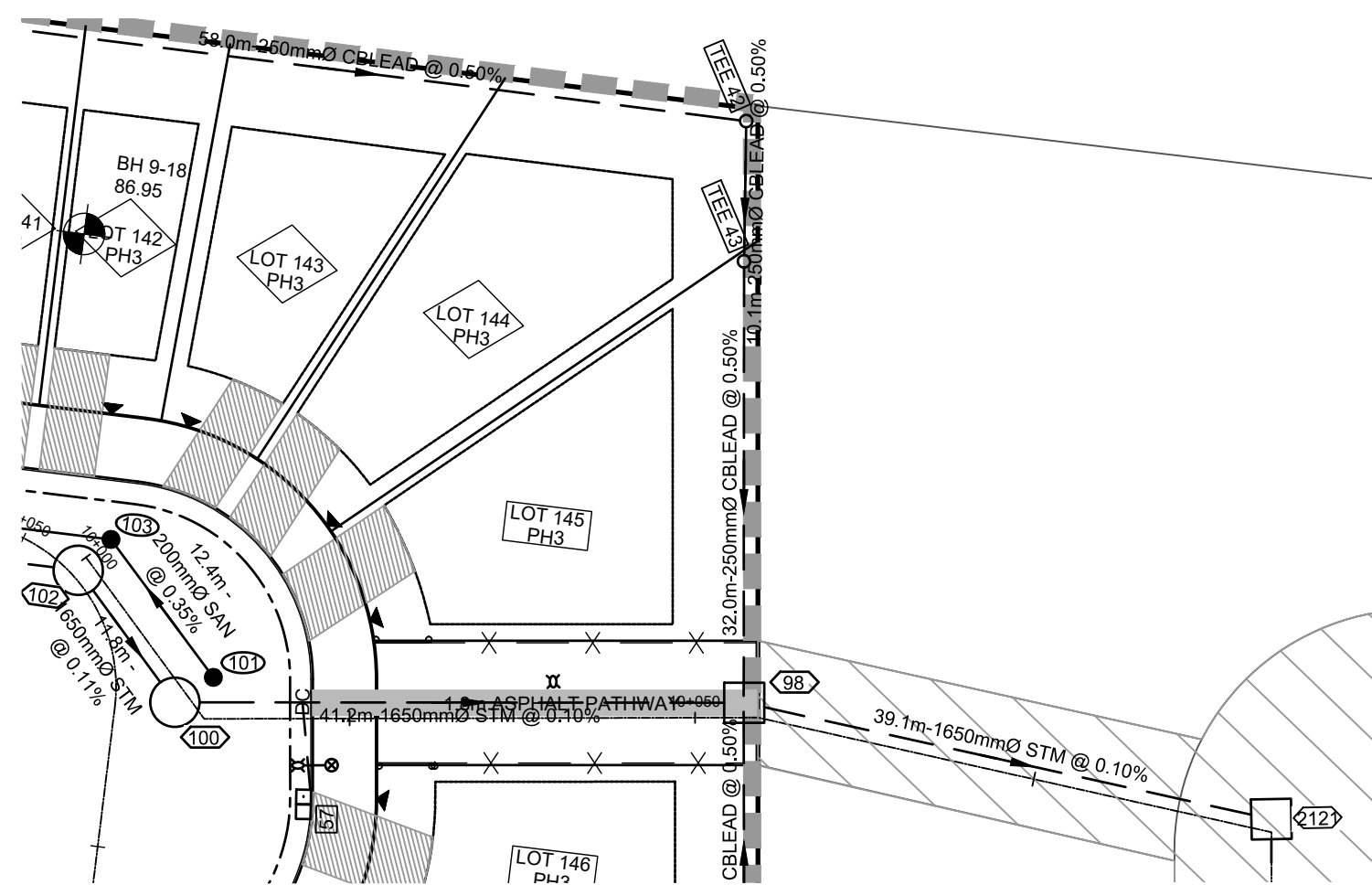
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Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

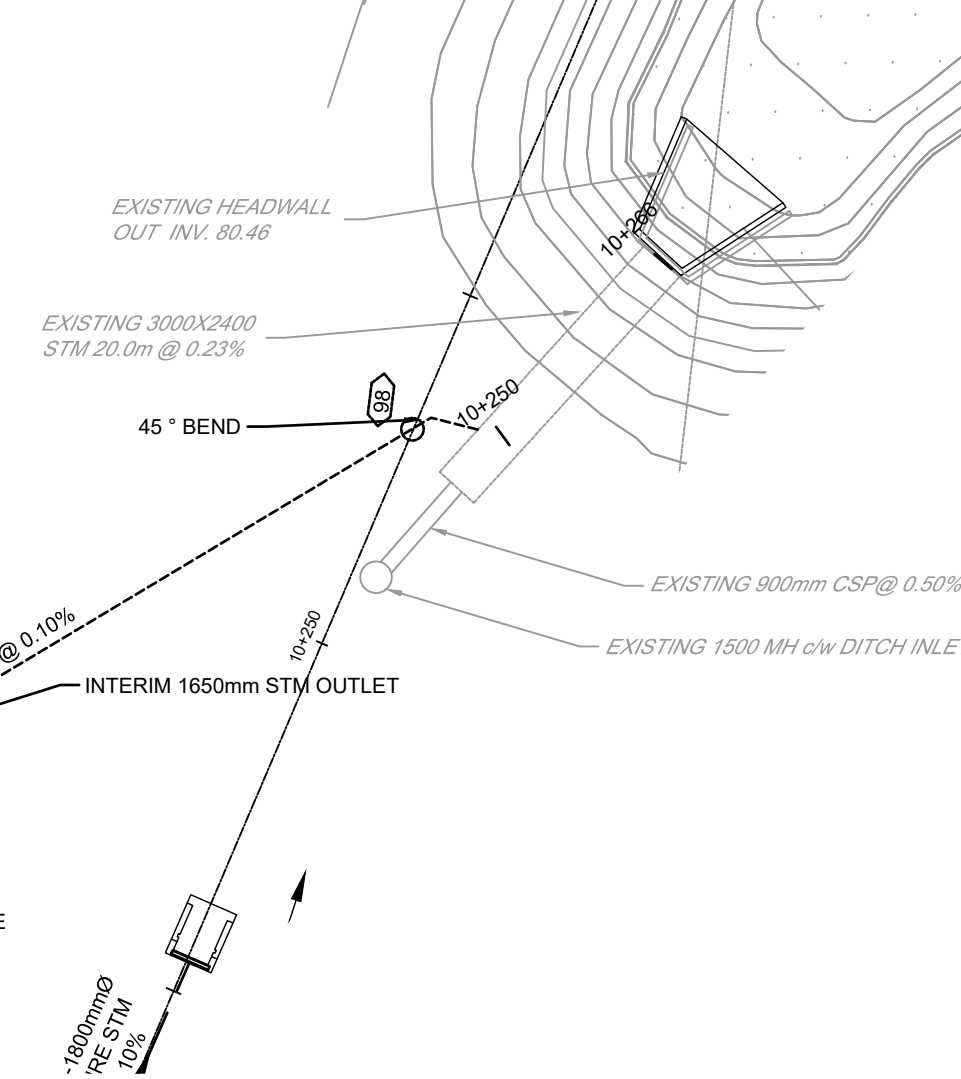
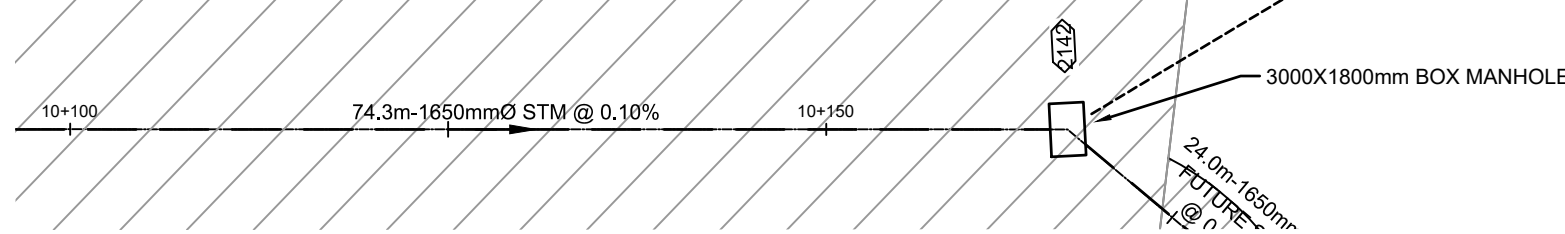
LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME
**PLAN AND PROFILE
INTERIM STORM OUTLET
STATION 10+000 TO 10+266**

PROJECT No.	118224-00
REV	REV # 3
DRAWING No.	118224-PR13



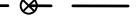
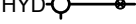
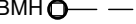
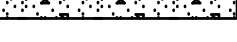
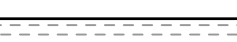
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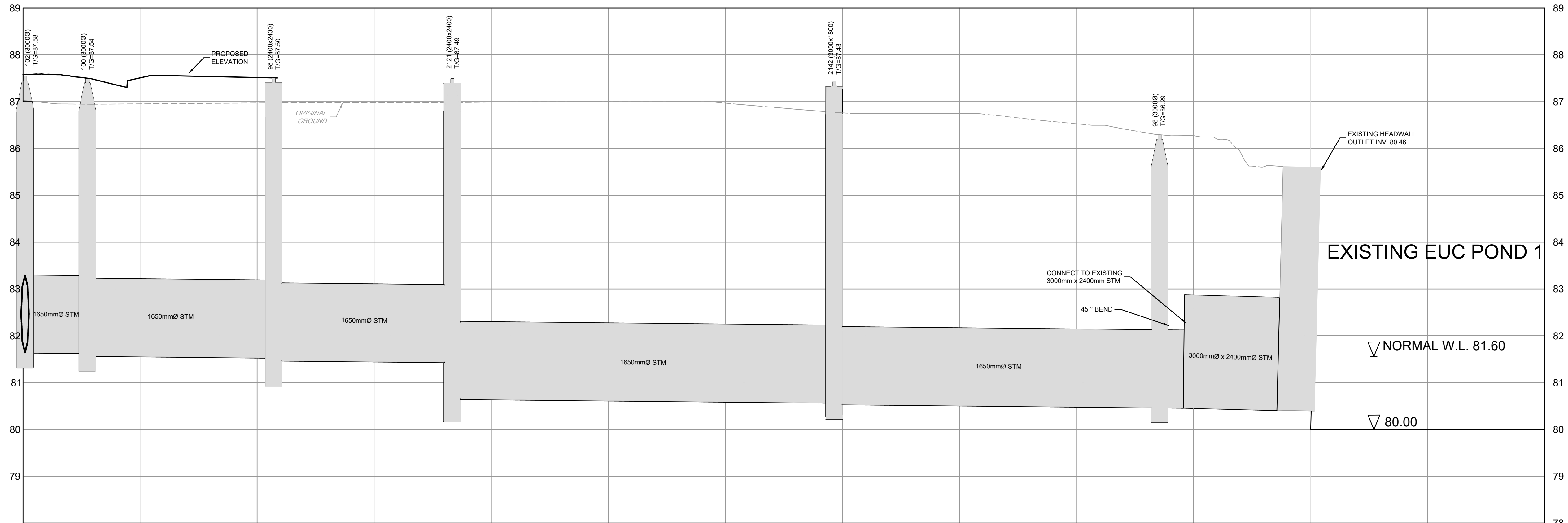


NORTH

KEY PLAN
N.T.S.

LEGEND

200mmØ WM	PROPOSED WATERMAIN		PROPOSED STORM MH & SEWER
	PROPOSED VALVE LOCATION	LYCB 	PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
V&VB	VALVE & VALVE BOX	LYCB 	PROPOSED LANDSCAPE ELBOW CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
HYD 	PROPOSED HYDRANT C/W VALVE & LEAD	RYCBMH 	PROPOSED REAR YARD CATCHBASIN MANHOLE & LEAD
T/F=98.45	PROPOSED TOP OF BOTTOM FLANGE	RYCB 	PROPOSED REAR YARD CATCHBASIN & LEAD
BEND 	PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)	CB 	PROPOSED ROAD CATCHBASIN
			DIRECTION OF FLOW
►	SERVICE CONNECTION STUB (SINGLE)		EXISTING 1.8m CONCRETE SIDEWALK
├ 100mm STORM @1.0%			DRAINAGE EASEMENT
├ 19mm WATER			EXISTING FENCE - CHAINLINK
├ 125mm SANITARY @1.0%			SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
			UTILITY EASEMENT
			PROPOSED OVERLAY



EXISTING EUC POND 1

▽ NORMAL W.L. 81.60

▽ 80.00

LEGEND

BH 19-17 91.92	BOREHOLE LOCATION
FILL	
TOP SOIL	
SAND	
CLAYEY SILT	
SILTY CLAY	
GLACIAL TILL	
WEATHERED BEDROCK	

#18535

D07-16-19-0027

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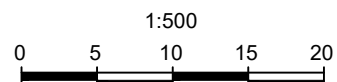
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PRELIMINARY

No.	REVISION	DATE	BY
3.	REVISED AND REISSUED FOR REVIEW	NOV 26/21	BHB
2.	ISSUED FOR REVIEW	JUN 18/21	BHB
1.	ISSUED FOR DISCUSSION	MAR 5/21	BHB

SCALE

1 : 500



DESIGN	DJC
CHECKED	BCS
DRAWN	DJC
CHECKED	BCS
APPROVED	BHB

FOR REVIEW ONLY



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Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
THE COMMONS

DRAWING NAME

PLAN AND PROFILE
ULTIMATE STORM OUTLET
STATION 10+000 TO 10+250.00

PROJECT No.

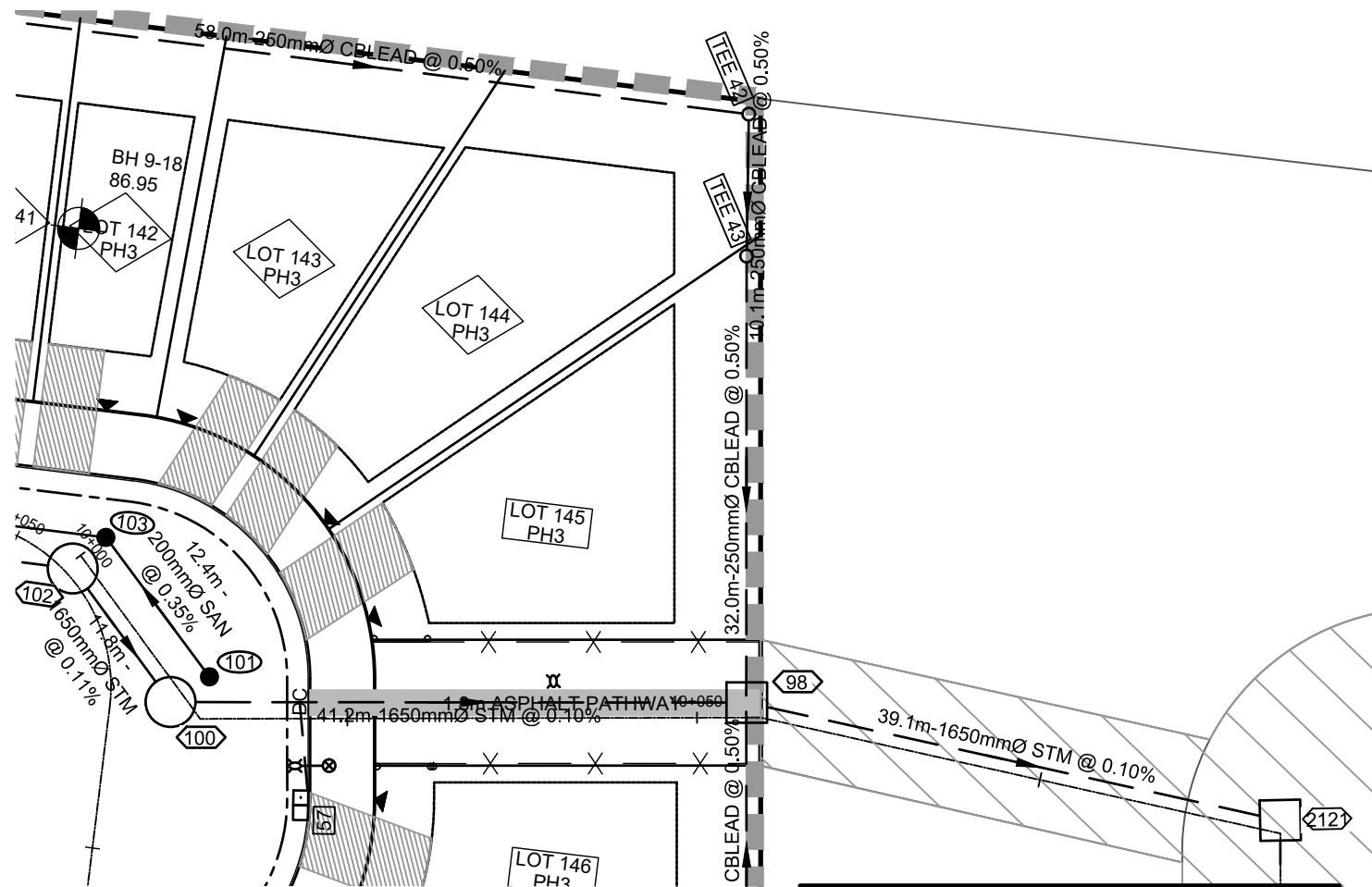
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REV

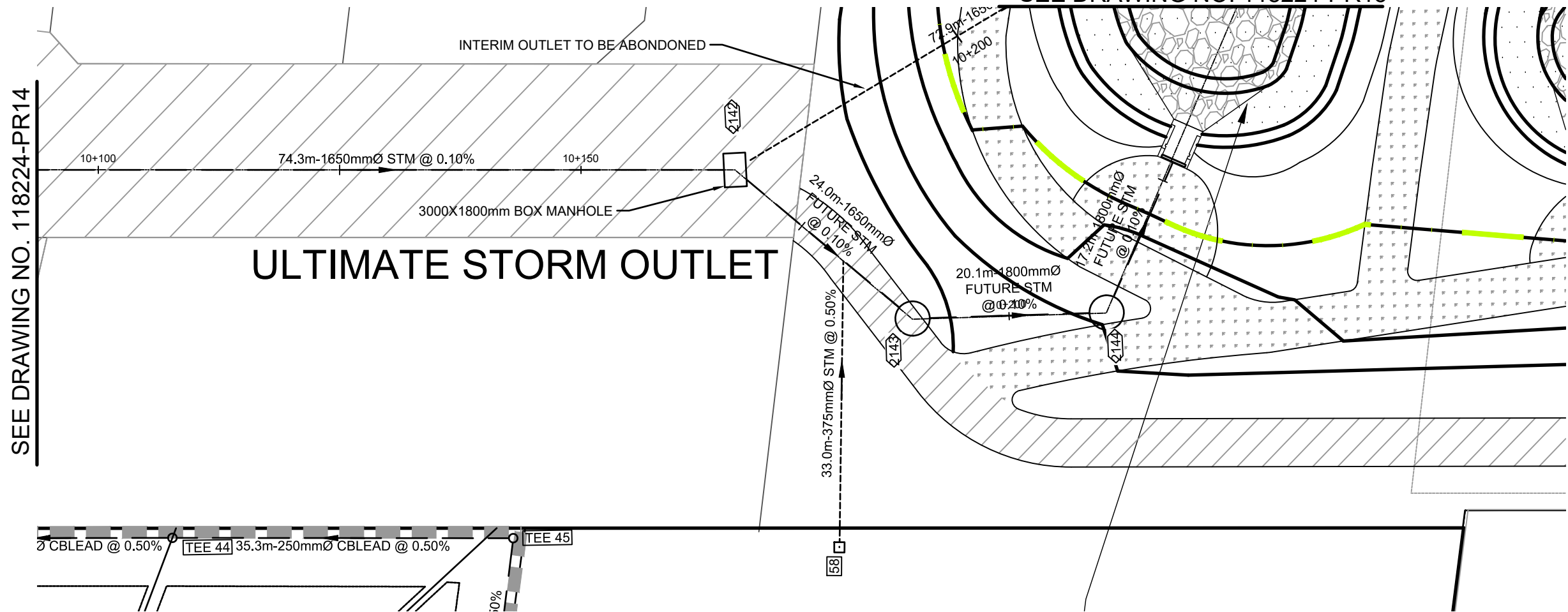
REV # 2

DRAWING No.

118224-PR14

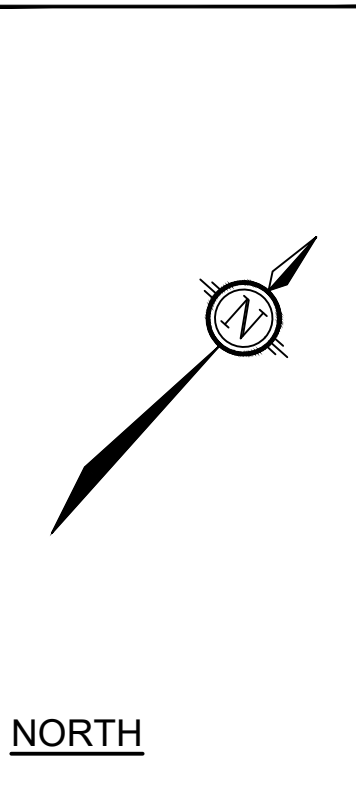


SEE DRAWING NO. 118224-PR14

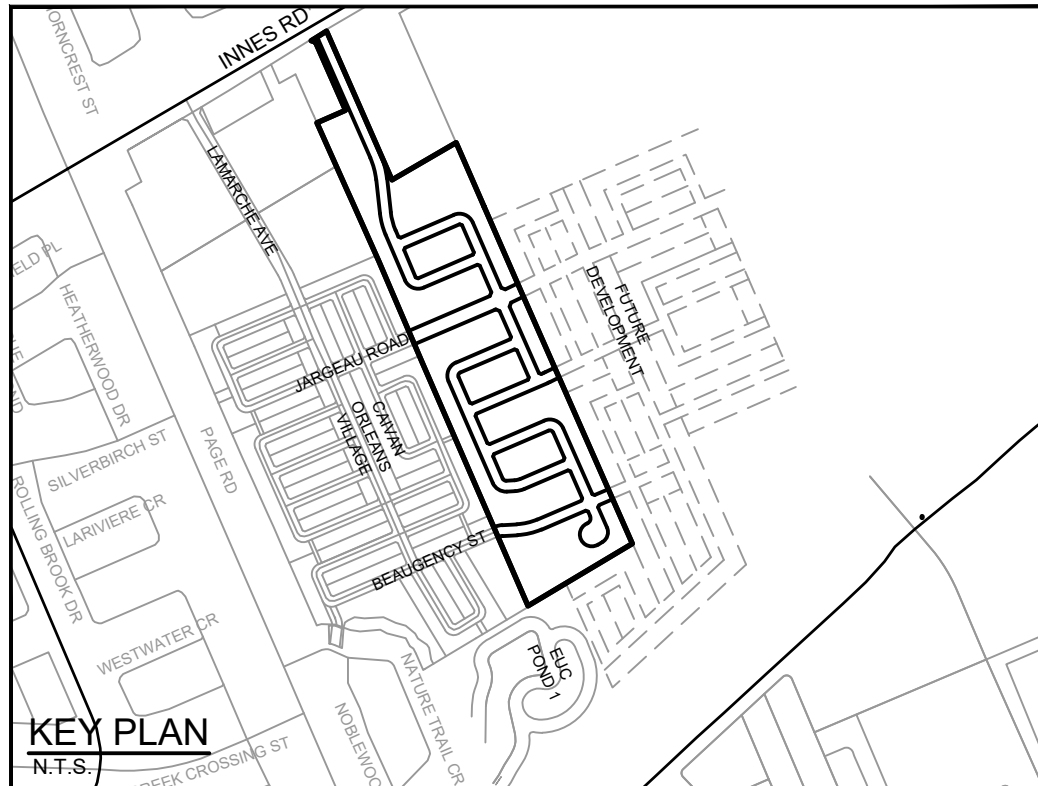


ULTIMATE STORM OUTLET

SEE DRAWING NO. 118224-PR15



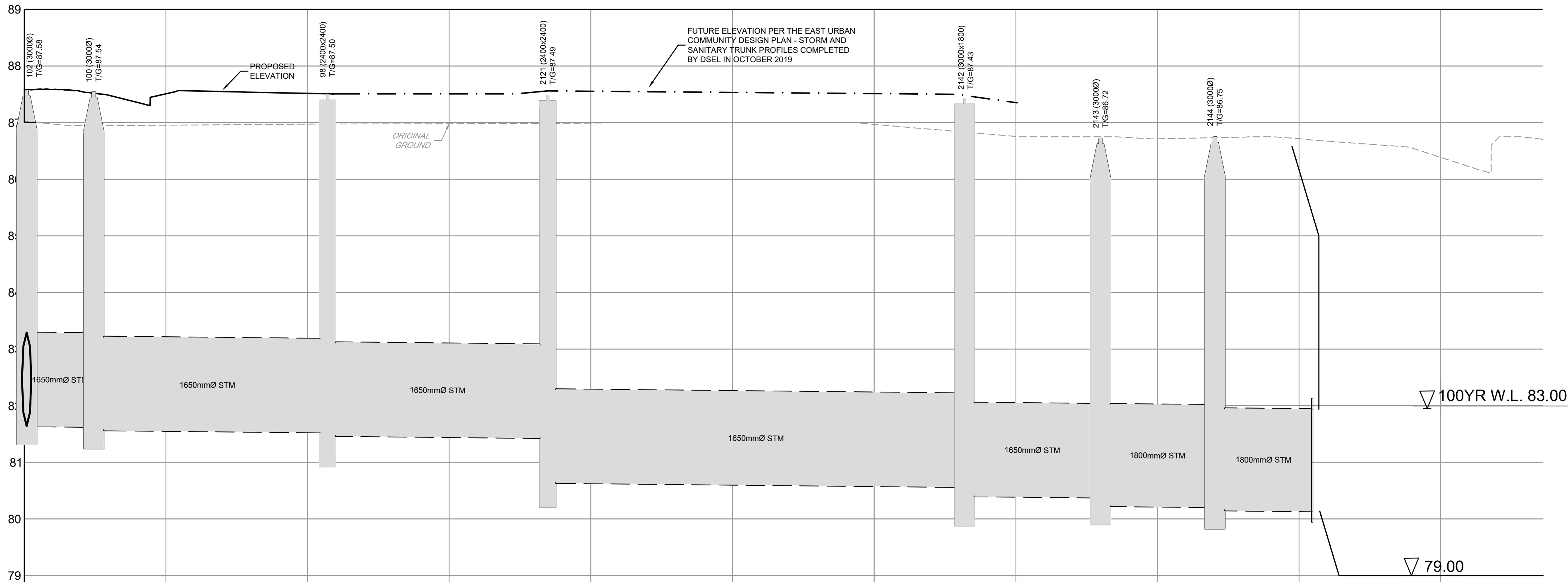
NORTH



KEY PLAN
N.T.S.

LEGEND

- 200mm Ø WM PROPOSED WATERMAIN
- V&VB VALVE & VALVE BOX
- HYD T/F=98.45 PROPOSED HYDRANT CW VALVE & LEAD
- BEND PROPOSED TOP OF BOTTOM FLANGE
- PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)
- SERVICE CONNECTION STUB (SINGLE)
 - 100mm STORM @ 1.0%
 - 19mm WATER
 - 125mm SANITARY @ 1.0%
- PROPOSED SANITARY MH & SEWER
- PROPOSED STORM MH & SEWER
- LYCB PROPOSED LANDSCAPE TEE CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
- LYCB PROPOSED LANDSCAPE ELBOW CATCHBASIN & PERFORATED SUBDRAIN PER S29, S30, S31
- RYCBMH PROPOSED REAR YARD CATCHBASIN MANHOLE & LEAD
- RYCB PROPOSED REAR YARD CATCHBASIN & LEAD
- CB PROPOSED ROAD CATCHBASIN
- DIRECTION OF FLOW
- EXISTING 1.8m CONCRETE SIDEWALK
- DRAINAGE EASEMENT
- EXISTING FENCE - CHAINLINK
- SIDEWALK REINSTATEMENT FOR DEPRESSED CURBS
- UTILITY EASEMENT
- PROPOSED OVERLAY



LEGEND

- BH 19-17 91.92 BOREHOLE LOCATION
- FILL
- TOP SOIL
- SAND
- CLAYEY SILT
- SILTY CLAY
- GLACIAL TILL
- WEATHERED BEDROCK

#18535

D07-16-19-0027

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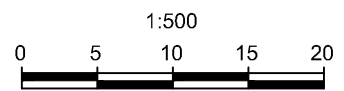
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PRELIMINARY

No.	REVISION	DATE	BY
2.	REVISED AND REISSUED FOR REVIEW	NOV 26/21	BHB
1.	ISSUED FOR REVIEW	JUN 18/21	BHB

SCALE

1 : 500



DESIGN	DJC
CHECKED	BCS
DRAWN	DJC
CHECKED	BCS
APPROVED	BHB

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NOVATECH

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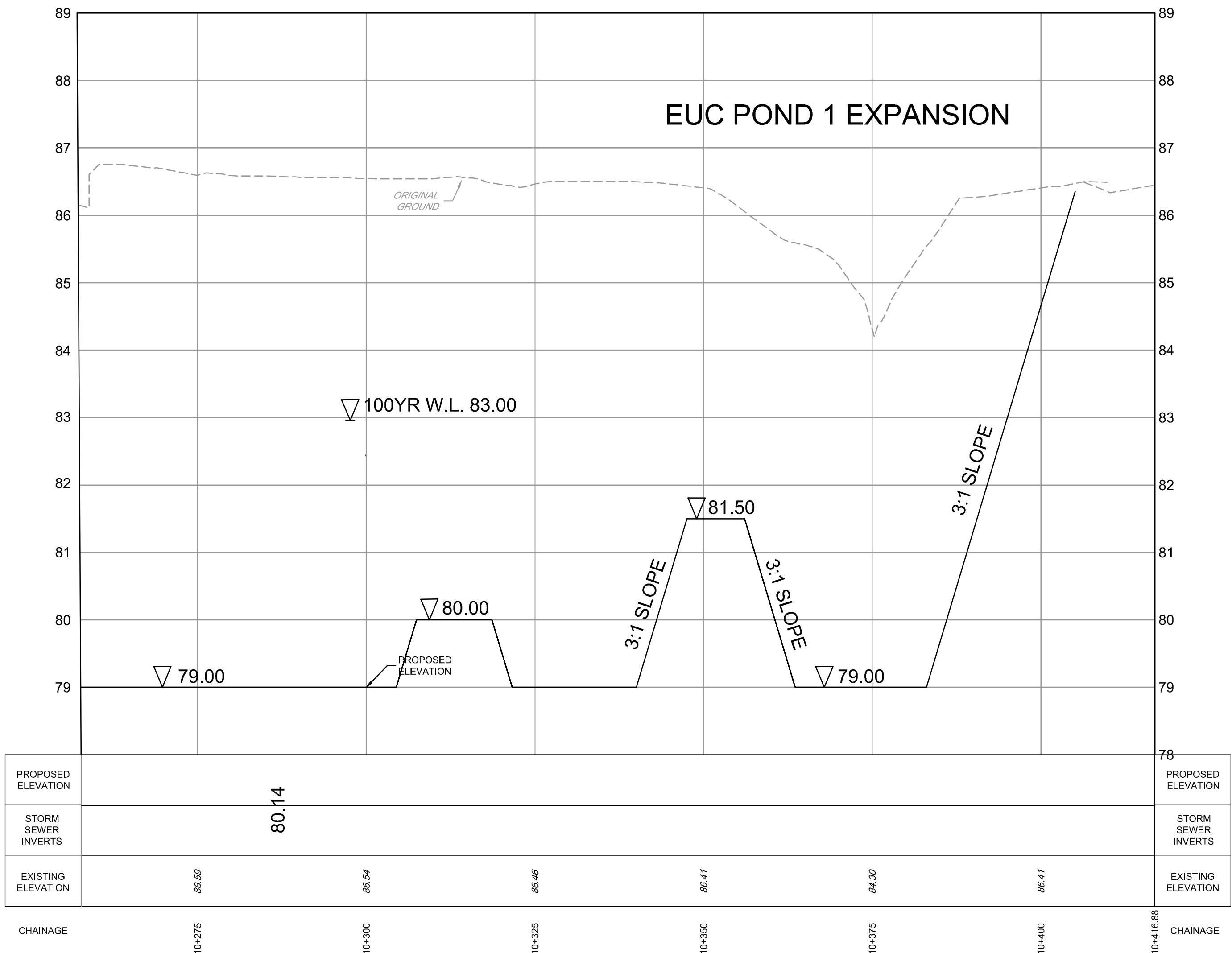
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LOCATION
CITY OF OTTAWA
THE COMMONS

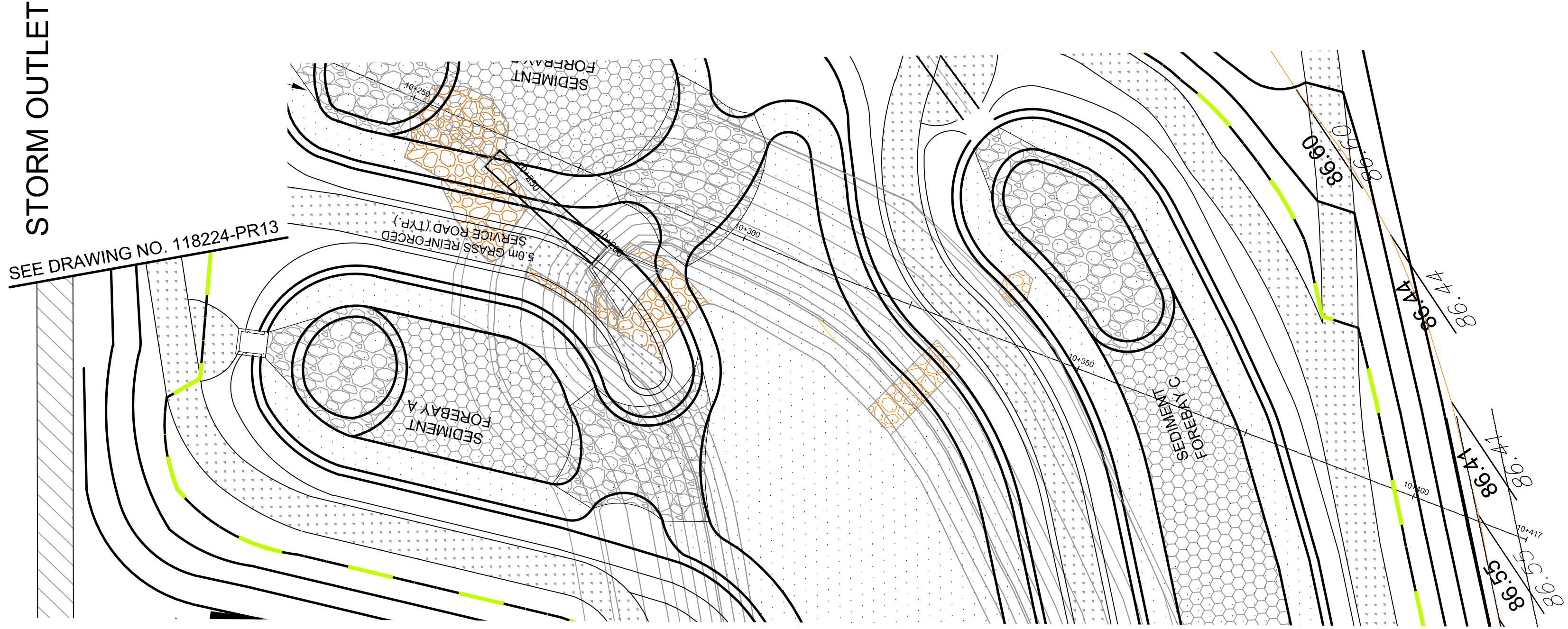
DRAWING NAME

PLAN AND PROFILE
ULTIMATE POND OUTLET
STATION 10+263.57 TO 10+470.67

PROJECT No.	118224-00
REV	REV # 2
DRAWING No.	118224-PR15

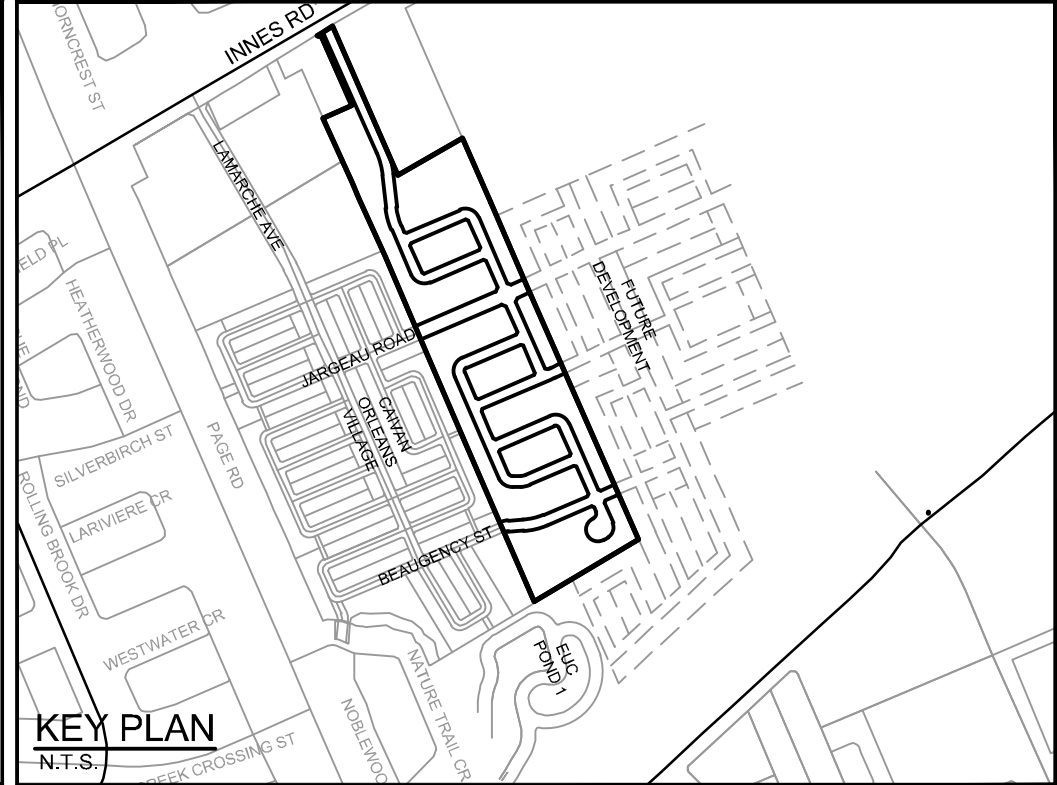
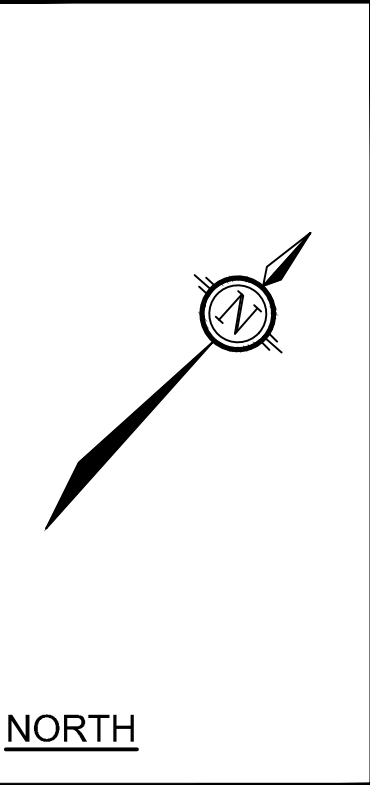


PROPOSED ELEVATION	80.14	PROPOSED ELEVATION	78
STORM SEWER INVERTS	80.14	STORM SEWER INVERTS	
EXISTING ELEVATION	86.59, 86.54, 86.46, 86.41, 84.30, 86.41	EXISTING ELEVATION	
CHAINAGE	10+275, 10+300, 10+325, 10+350, 10+375, 10+400, 10+416.88	CHAINAGE	



LEGEND

- 200mm Ø WM: PROPOSED WATERMAIN
- V&VB: PROPOSED VALVE LOCATION
- HYD: PROPOSED HYDRANT C/W VALVE & LEAD
- T/F=98.45: PROPOSED TOP OF BOTTOM FLANGE
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- 11.25°, 22.5°, 45° or TEE: (SEE PLAN AND PROFILES)
- SERVICE CONNECTION STUB (SINGLE): 100mm STORM @1.0%, 19mm WATER, 125mm SANITARY @1.0%
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D07-16-19-0027 #185335