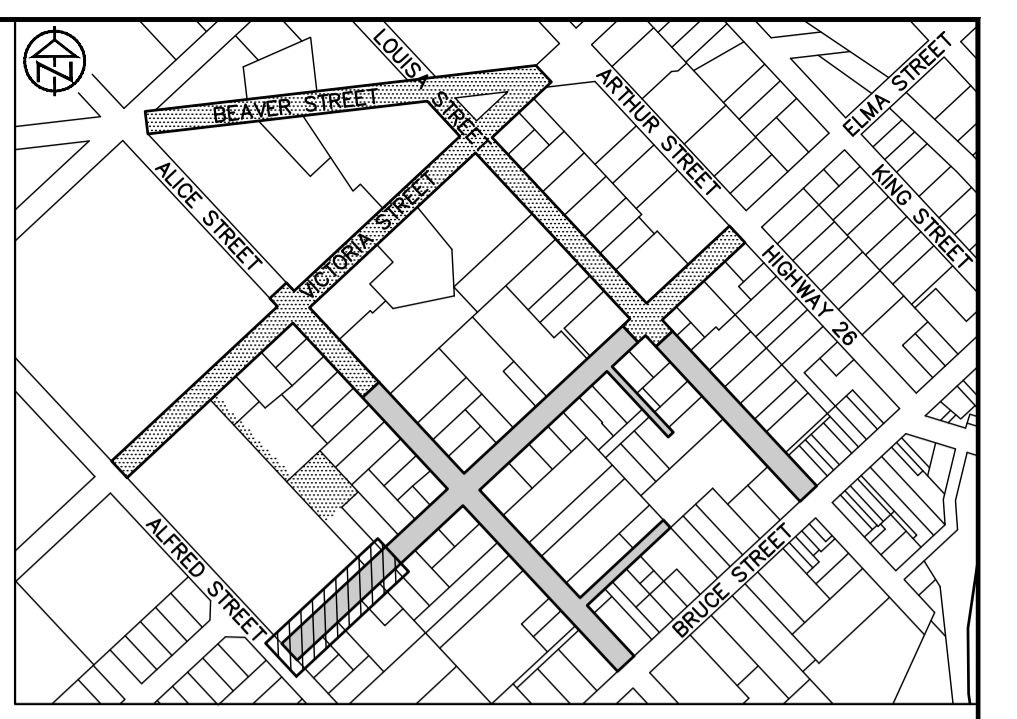


**DRAFT**



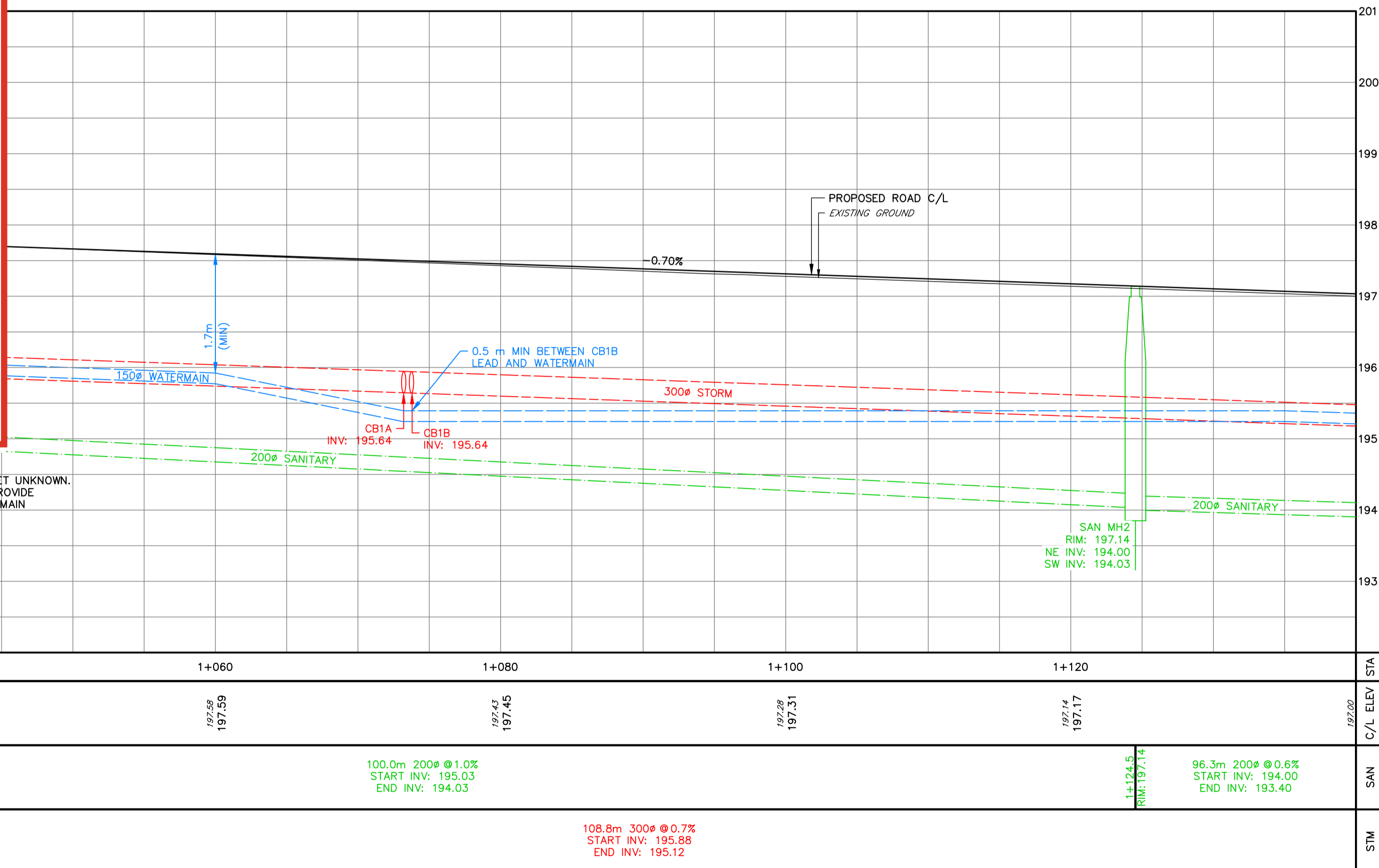
**KEY PLAN**

**PLANT LIST**

KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	SPACING	QTY
<b>Deciduous Trees</b>						
Co	Celtis occidentalis	Common Hackberry	50mm cal.	W.B.		5
Gd	Gymnocladus dioicus 'Espresso'	Kentucky Coffee Tree	50mm cal.	W.B.		5
Gt	Gleditsia triacanthos var. inermis	Honeylocust	50mm cal.	W.B.		4
Md	Malus 'Donald Wyman'	Donald Wyman Crabapple	50mm cal.	W.B.		7
Ms	Malus 'Sutyazan'	Sugar Tyme Crabapple	50mm cal.	W.B.		9
Qm	Quercus macrocarpa	Burr Oak	50mm cal.	W.B.		2
Qr	Quercus rubra	Red Oak	50mm cal.	W.B.		5
Ta	Tillia americana 'Redmond'	Redmond Basswood	50mm cal.	W.B.		5
<b>TOTAL DECIDUOUS TREES</b>						<b>42</b>

Homeowner at 47 Elma Street to confirm species

LOCATION OF SERVICE TO 36 ALFRED STREET UNKNOWN. SAN MH1 LOCATION TO BE ADJUSTED TO PROVIDE PERPENDICULAR CONNECTION TO SANITARY MAIN



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- REFER TO DE-1 FOR SERVICING FOR 38 ALFRED STREET.

**TREE PLANTING**

**TREE PLANTING UNDER HYDRO**

CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
CB1A	250 mm	1.3 m	2.0%
CB1B	250 mm	7.2 m	4.0%

STRUCTURES		
STRUCTURE	RIM	PIPES
CB1A	197.42	NW INV: 195.66 250Ø
CB1B	197.41	SE INV: 195.93 250Ø

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TBM2 - ELEVATION 193.12  
NAIL AND WASHERS IN NORTH FACE OF HYDRO POLE 2334 ON VICTORIA STREET SOUTH, 26m NORTH OF DRIVEWAY TO RANKIN'S LANDING.

REFER TO DRAWING IN-1 FOR A FULL LISTING OF BENCHMARKS WITHIN THE PROJECT AREA.

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TOPOGRAPHIC SURVEY COMPLETED BY WSP CANADA INC. AND TATHAM ENGINEERING LIMITED.

No.	REVISION DESCRIPTION	DATE
2.	60% DESIGN SUBMISSION	AUG 2021
3.	ISSUED FOR PREQUALIFICATION	NOV 2021
4.	90% DESIGN SUBMISSION	NOV 2021
5.	ISSUED FOR PREQUALIFICATION - PHASE 1B	NOV 2024
6.	ISSUED FOR TENDER	JAN 2025

**ENGINEER STAMP**

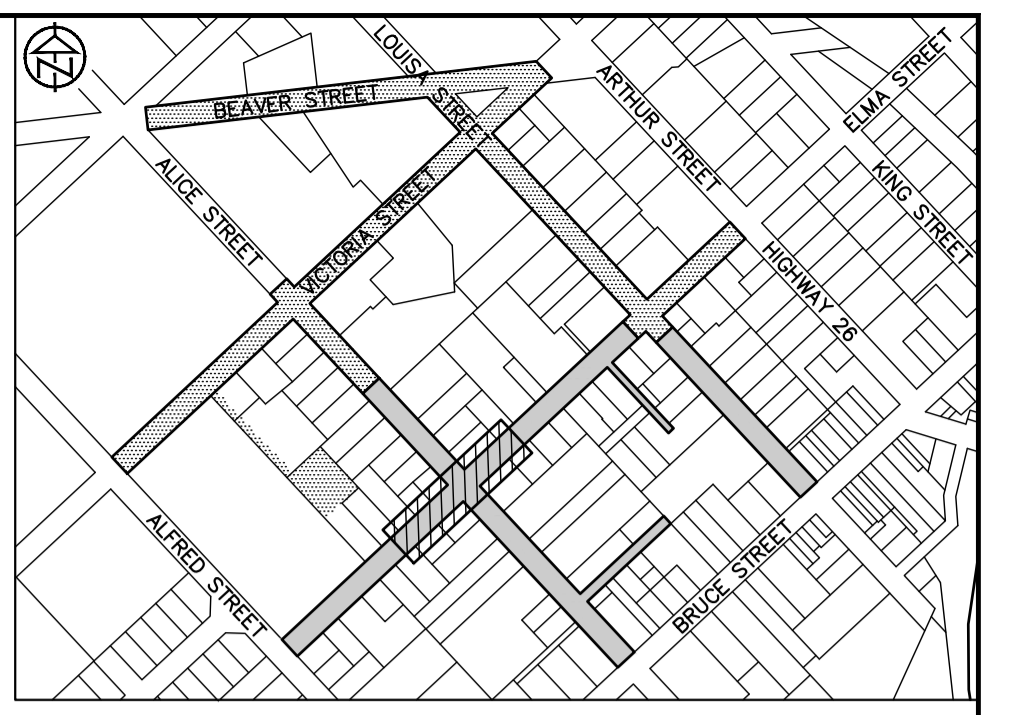
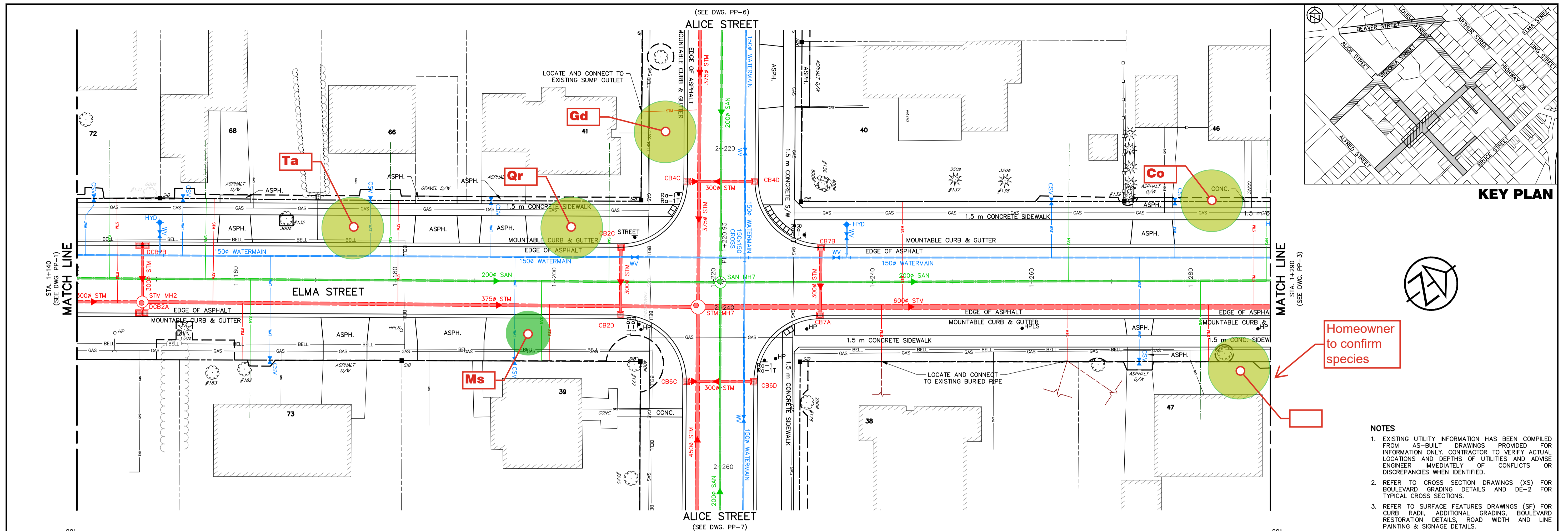
A. P. ROEPER  
100226212  
Jan 15, 2025  
PROVINCE OF ONTARIO

**THORNBURY WEST  
PHASE 1B  
TOWN OF THE BLUE MOUNTAINS**

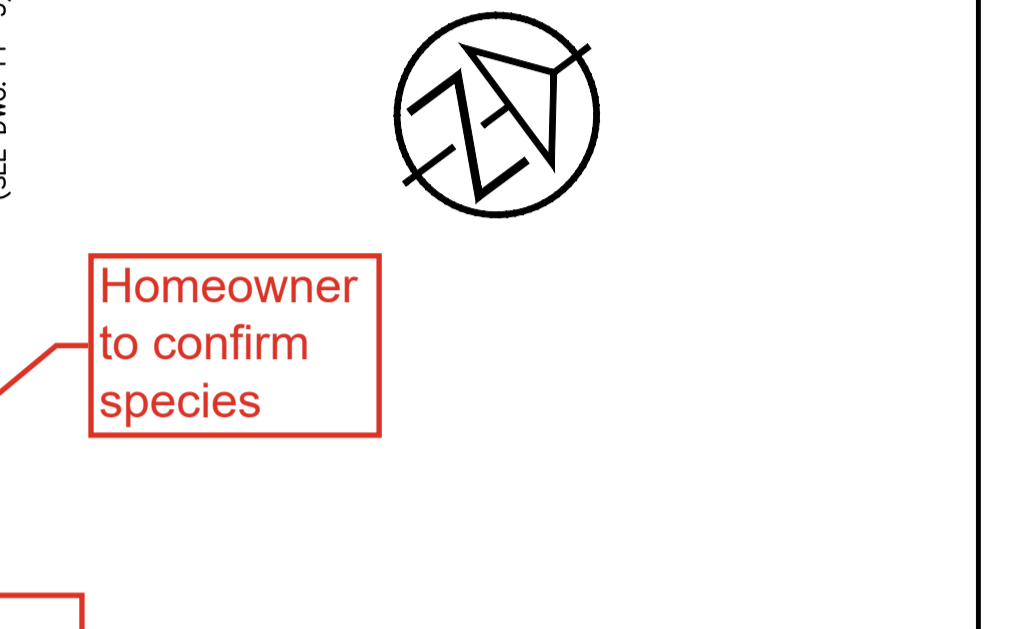
**PLAN AND PROFILE  
ELMA STREET  
STA. 1+000 TO 1+140**

**TATHAM ENGINEERING**

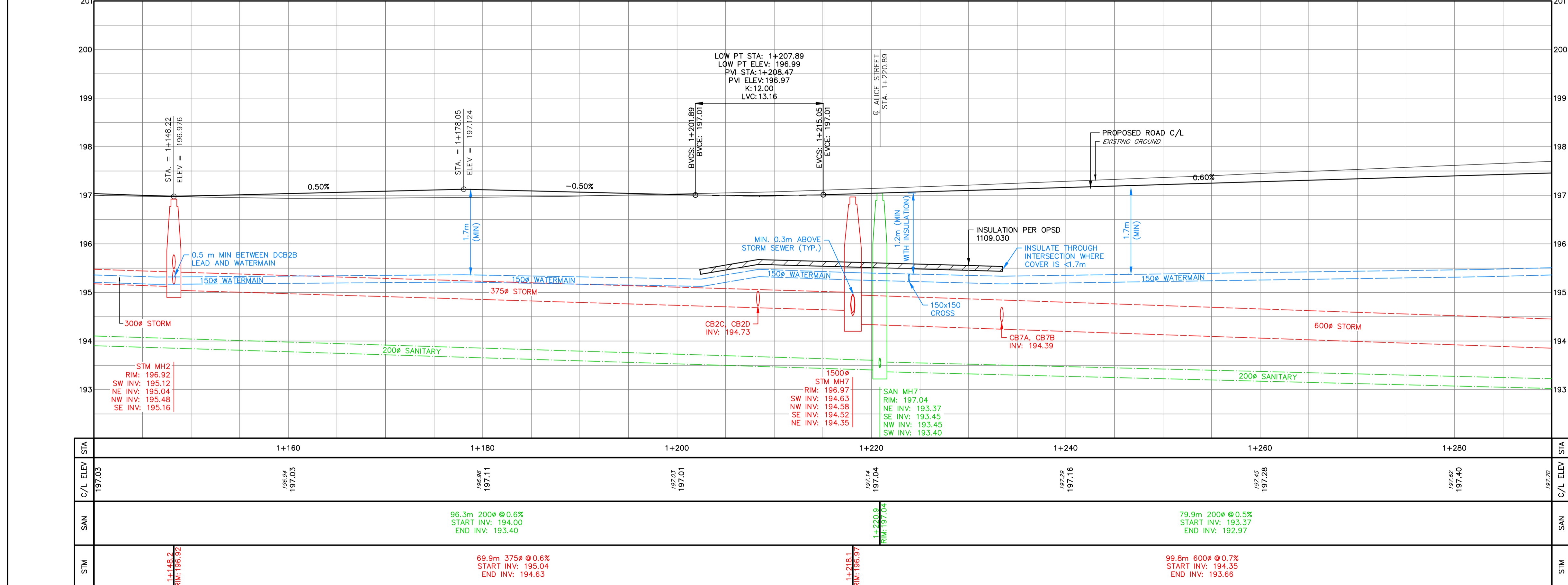
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DRAWN: APR/GEF DATE: OCT/2020 **PP-1**  
CHECK: AEB SCALE: 1:250 HORIZ. 1:50 VERT. Sheet No. 15 of 53



**KEY PLAN**



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CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
CB2C	300 mm	7.3 m	2.0%
CB2D	300 mm	1.0 m	2.0%
CB7A	300 mm	1.2 m	2.0%
CB7B	300 mm	7.2 m	2.0%
DCB2A	300 mm	1.4 m	2.0%
DCB2B	300 mm	7.1 m	4.0%

STRUCTURES		
STRUCTURE	RIM	PIPES
CB2C	196.91	SE INV: 194.88 300Ø
CB2D	196.91	NW INV: 194.75 300Ø
CB7A	197.04	NW INV: 194.41 300Ø
CB7B	197.03	SE INV: 194.53 300Ø
DCB2A	196.89	NW INV: 195.19 300Ø
DCB2B	196.89	SE INV: 195.76 300Ø

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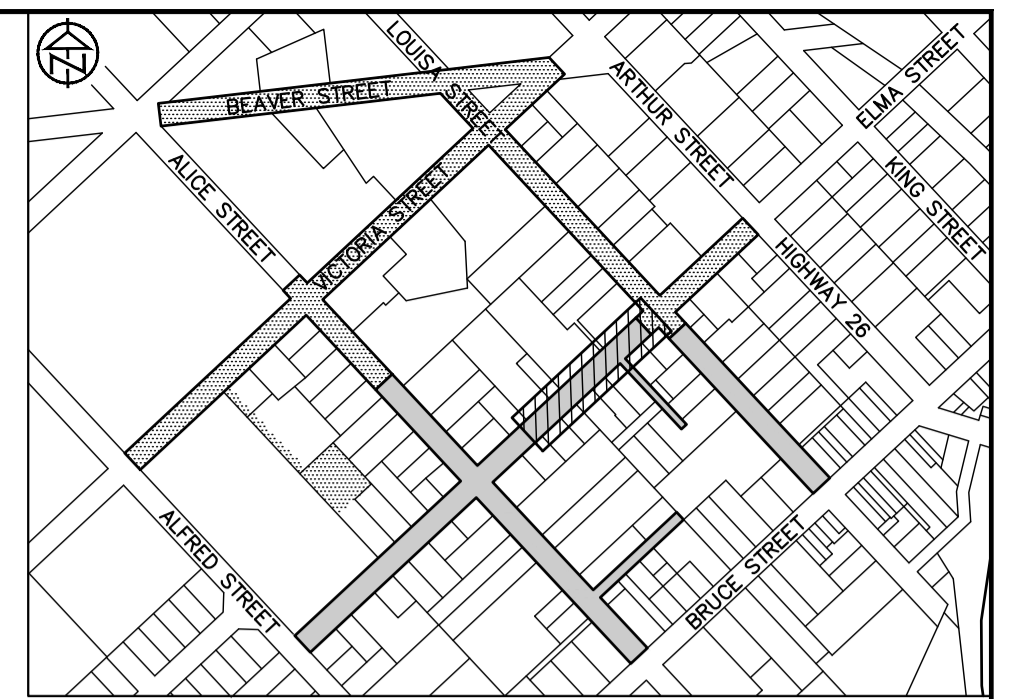
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5.	ISSUED FOR PREQUALIFICATION - PHASE 1B	NOV 2024
6.	ISSUED FOR TENDER	JAN 2025

**ENGINEER STAMP**

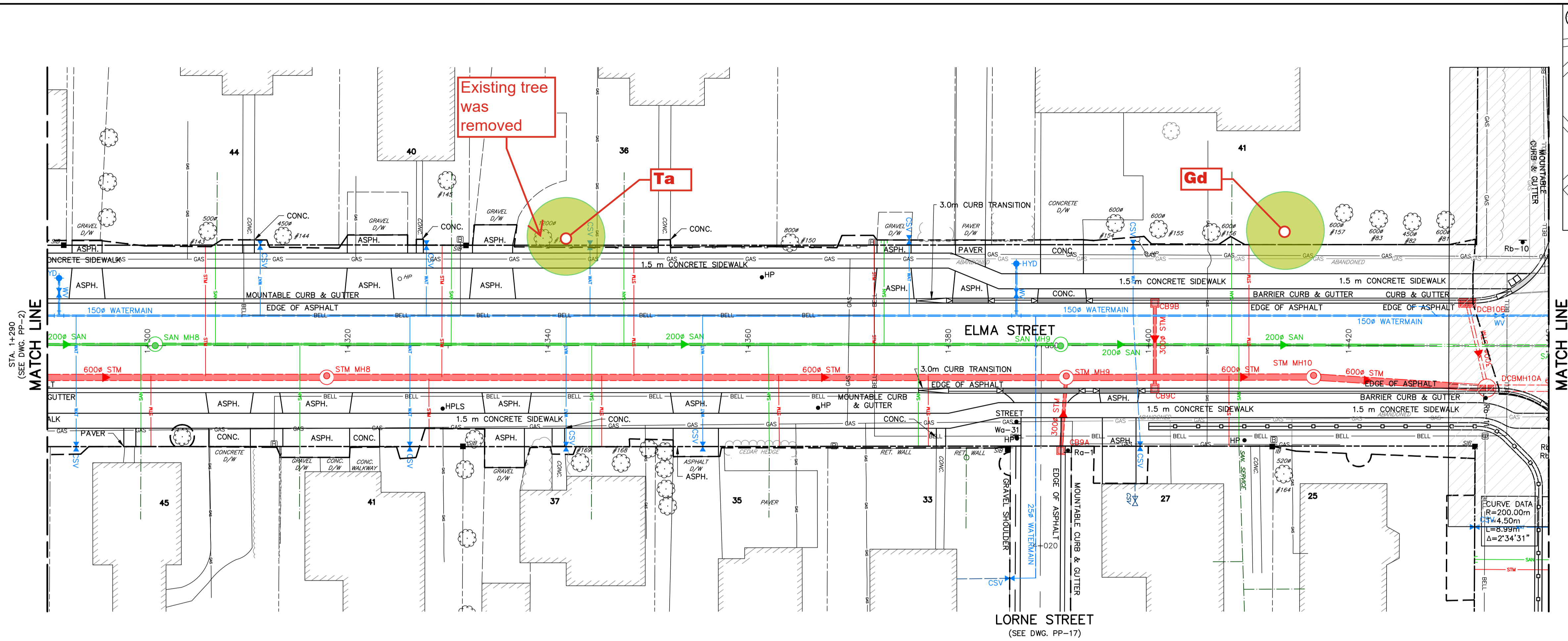
**THORNBURY WEST  
 PHASE 1B  
 TOWN OF THE BLUE MOUNTAINS**  
**PLAN AND PROFILE  
 ELMA STREET  
 STA. 1+140 TO 1+290**

**TATHAM ENGINEERING**

DESIGN: APR	FILE: 119105	DWG:
DRAWN: APR/GEF	DATE: OCT/2020	<b>PP-2</b>
CHECK: AEB	SCALE: 1:250 HORIZ. 1:50 VERT.	Sheet No. 16 of 53

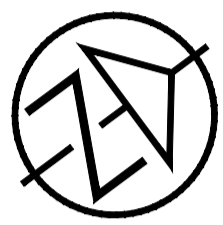


KEY PLAN



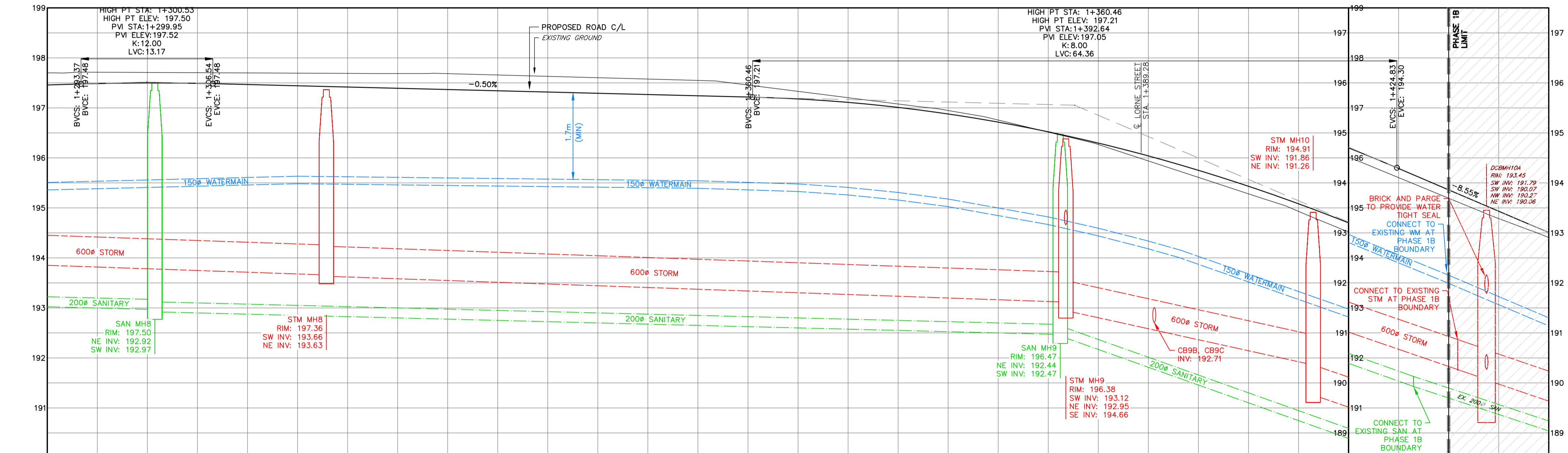
MATCH LINE  
STA. 1+440  
(SEE DWG. PP-4)

MATCH LINE  
STA. 1+290  
(SEE DWG. PP-2)



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CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
CB9A	300 mm	7.3 m	5.0%
CB9B	300 mm	7.2 m	4.0%
CB9C	300 mm	1.0 m	4.0%

STRUCTURES		
STRUCTURE	RIM	PIPES
CB9A	196.80	NW INV: 195.03 300Ø
CB9B	195.92	SE INV: 193.00 300Ø
CB9C	195.92	NW INV: 192.75 300Ø

STA	C/L ELEV	SAN	STM
1+300	197.46	79.9m 200Ø @ 0.5% START INV: 193.37 END INV: 192.97	99.8m 600Ø @ 0.7% START INV: 194.35 END INV: 193.66
1+320	197.42	90.5m 200Ø @ 0.5% START INV: 192.92 END INV: 192.47	73.9m 600Ø @ 0.7% START INV: 193.63 END INV: 193.12
1+340	197.22	35.3m 200Ø @ 7.1% START INV: 192.44 END INV: 189.93	24.7m 600Ø @ 4.4% START INV: 192.95 END INV: 191.86
1+360	196.88	17.3m 200Ø @ 6.6% START INV: 189.93 END INV: 188.79	14.5m 600Ø @ 6.9% START INV: 191.26 END INV: 190.27
1+380	196.04		
1+400	194.70		
1+420	192.81		

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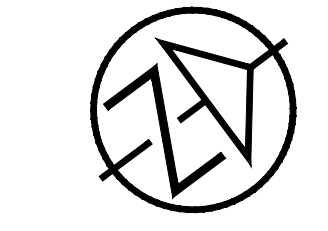
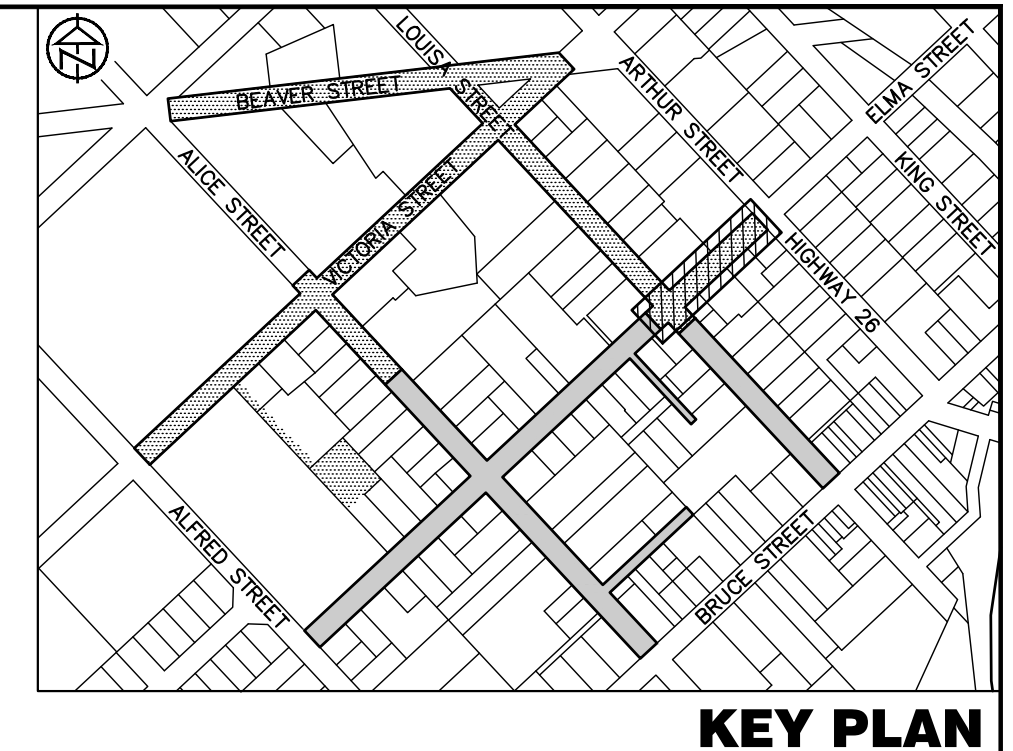
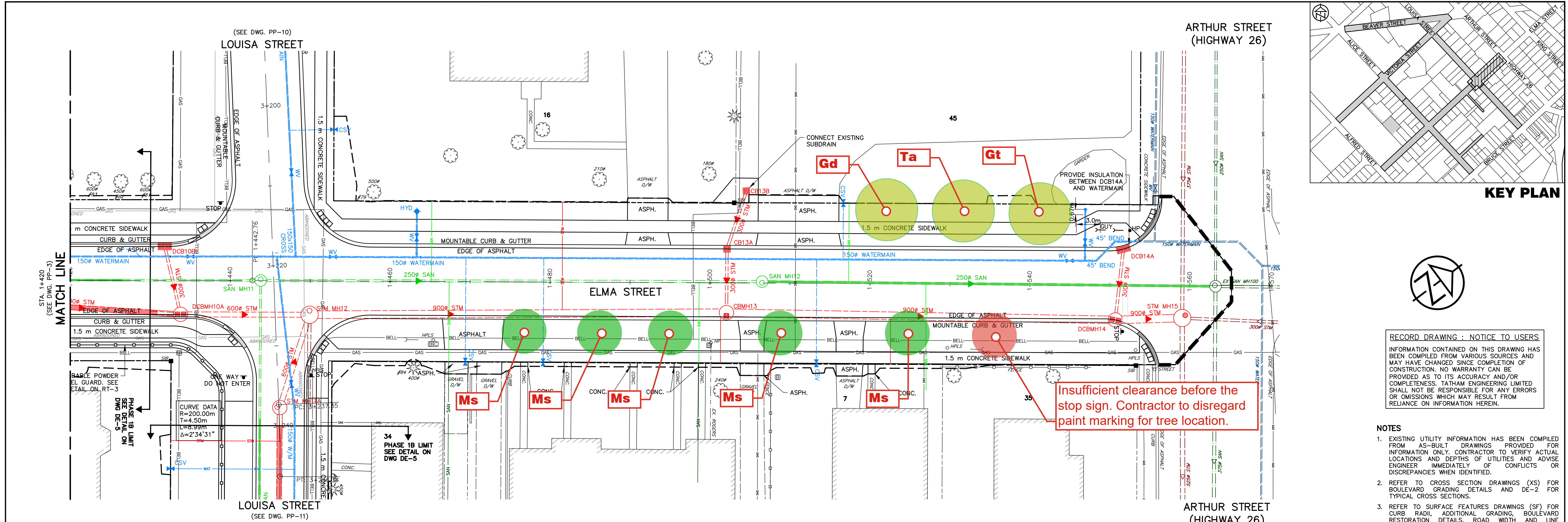
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No.	REVISION DESCRIPTION	DATE
2.	60% DESIGN SUBMISSION	AUG 2021
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4.	90% DESIGN SUBMISSION	NOV 2021
5.	ISSUED FOR PREQUALIFICATION - PHASE 1B	NOV 2024
6.	ISSUED FOR TENDER	JAN 2025

ENGINEER STAMP

**THORNBURY WEST  
PHASE 1B  
TOWN OF THE BLUE MOUNTAINS**  
**PLAN AND PROFILE  
ELMA STREET  
STA. 1+290 TO 1+440**

**TATHAM ENGINEERING**  
 DESIGN: APR FILE: 119105 DWG:  
 DRAWN: APR/GEF DATE: OCT/2020 **PP-3**  
 CHECK: AEB SCALE: 1:250 HORIZ. 1:50 VERT. Sheet No. 17 of 53



**RECORD DRAWING : NOTICE TO USERS**  
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**RECORD DRAWINGS**

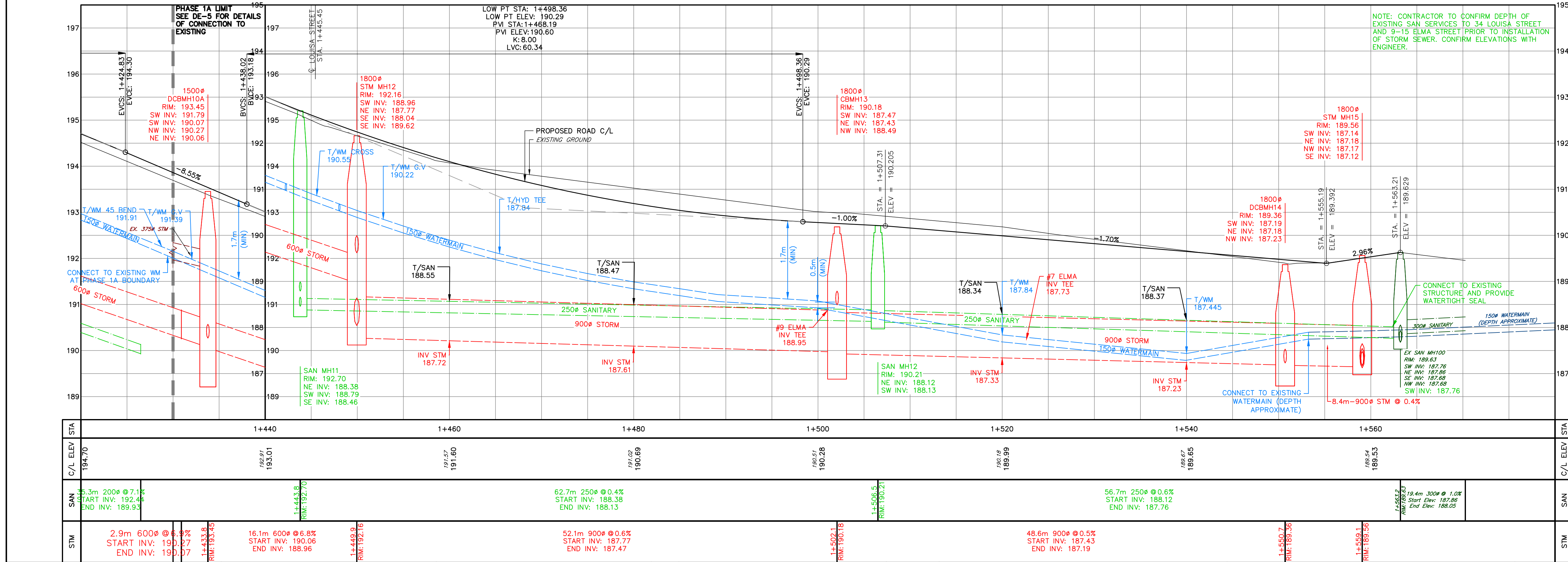
COMPILED BY: CT/RH	DATE: 14/07/23
CHECKED BY: APR	DATE: 20/08/23
DRAWN BY: GN	DATE: 20/08/23
CHECKED BY: APR	DATE: 23/04/24

**CATCH BASIN LEADS**

STRUCTURE	SIZE	LENGTH	SLOPE
CB13A	300 mm	8.0 m	2.9%
CB13B	300 mm	7.6 m	3.3%
DCB10B	300 mm	8.7 m	21.0%
DCB14A	300 mm	8.9 m	4.7%

**STRUCTURES**

STRUCTURE	RIM	PIPES
CB13A	190.17	SE INV: 188.72 300Ø NW INV: 188.74 300Ø
CB13B	190.03	SE INV: 188.80 300Ø NW INV: 189.05 300Ø
DCB10B	193.65	SE INV: 192.10 300Ø
DCB14A	189.34	SE INV: 187.65 300Ø

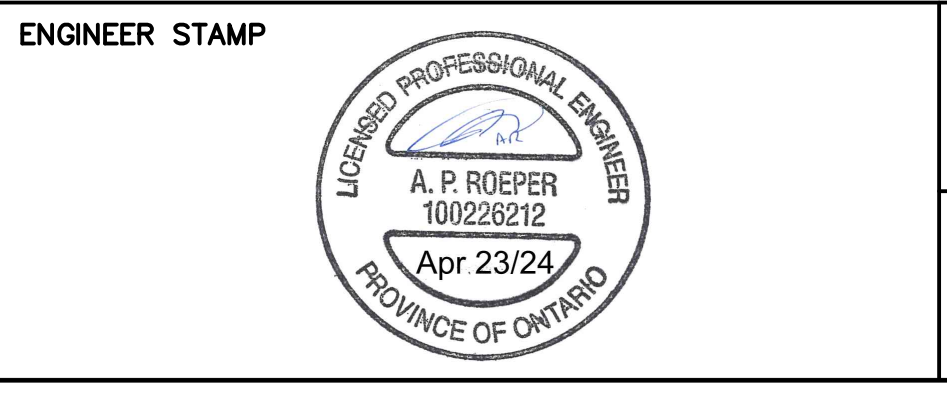


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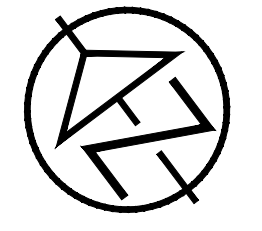
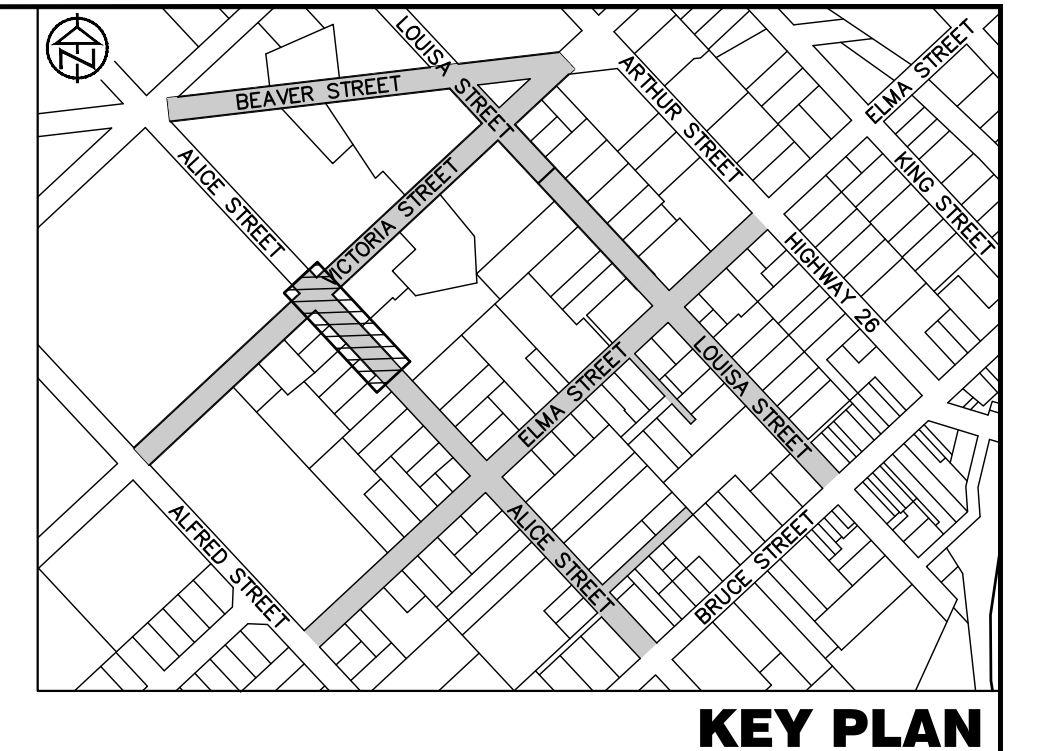
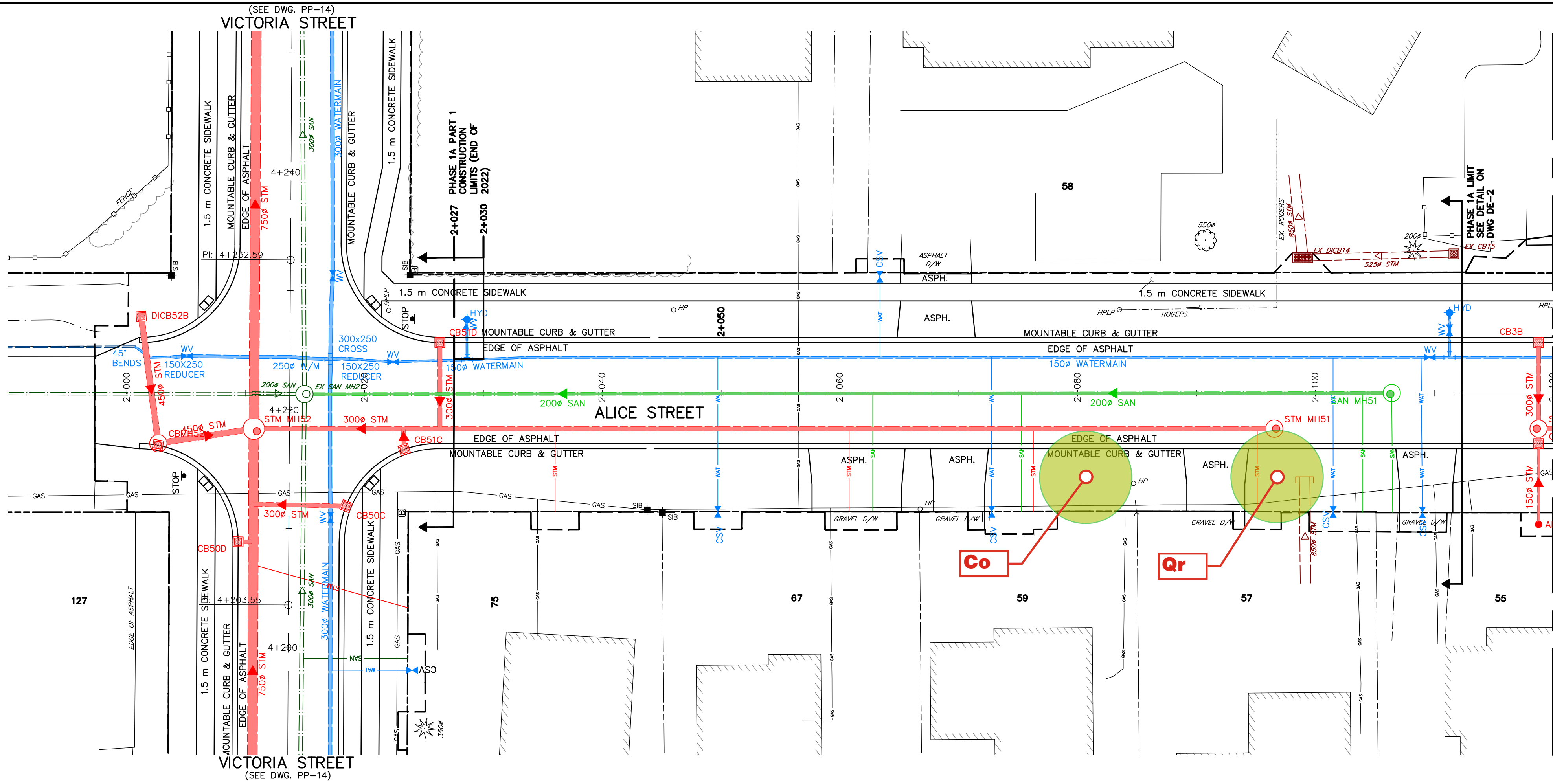
No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP
1.	RECORD DRAWINGS - PHASE 1A	APR 2024	



**THORNBURY WEST  
 RECONSTRUCTION PROJECT  
 TOWN OF THE BLUE MOUNTAINS**  
**PLAN AND PROFILE  
 ELMA STREET  
 STA. 1+420 TO 1+570**

**TATHAM ENGINEERING**

DESIGN: APR	FILE: 119105	DWG:
DRAWN: APR/MJF	DATE: NOVEMBER 2023	<b>PP-4</b>
CHECK: AEB	SCALE: 1:250 HORIZ. 1:50 VERT.	Sheet No. 19 of 40



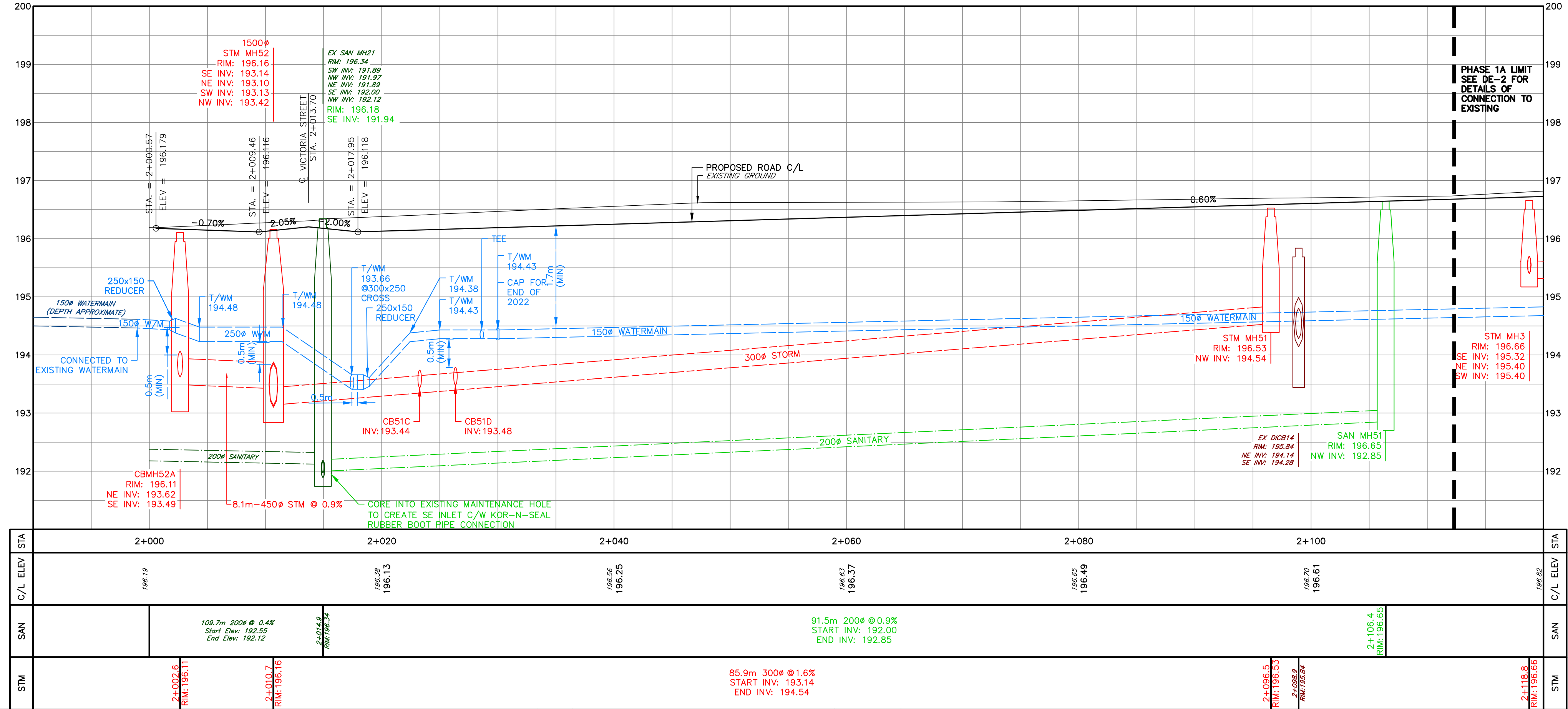
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**AS-BUILT DRAWINGS**

COMPILED BY: CT	DATE: 23/11/22
CHECKED BY: APR	DATE: 24/11/22
DRAWN BY: AJR	DATE: 30/11/22
CHECKED BY: APR	DATE: 1/12/22



CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
CB51C	300 mm	1.7 m	13.2%
CB51D	300 mm	7.1 m	2.0%
D/ICB52B	450 mm	10.8 m	0.5%

STRUCTURES		
STRUCTURE	RIM	PIPES
CB51C	196.08	NE INV: 193.66 300Ø
CB51D	196.08	SW INV: 193.62 300Ø
D/ICB52B*	194.90	SW INV: 193.67 450Ø

\*3:1 GRATE SLOPE

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LEGAL BOUNDARIES SHOWN ON THIS PLAN ARE FROM PLAN 17-08 AND 19-218 PREPARED BY HEWITT AND MILNE LIMITED, DATED OCTOBER 23, 2017 AND MARCH 4, 2020.

TOPOGRAPHIC SURVEY COMPLETED BY WSP CANADA INC. AND TATHAM ENGINEERING LIMITED.

No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP
1	AS CONSTRUCTED - PHASE 1A - PART 1	FEB 2023	



**THORNBURY WEST RECONSTRUCTION PROJECT**  
TOWN OF THE BLUE MOUNTAINS

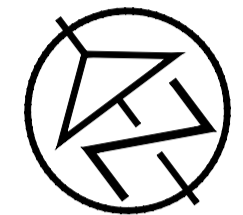
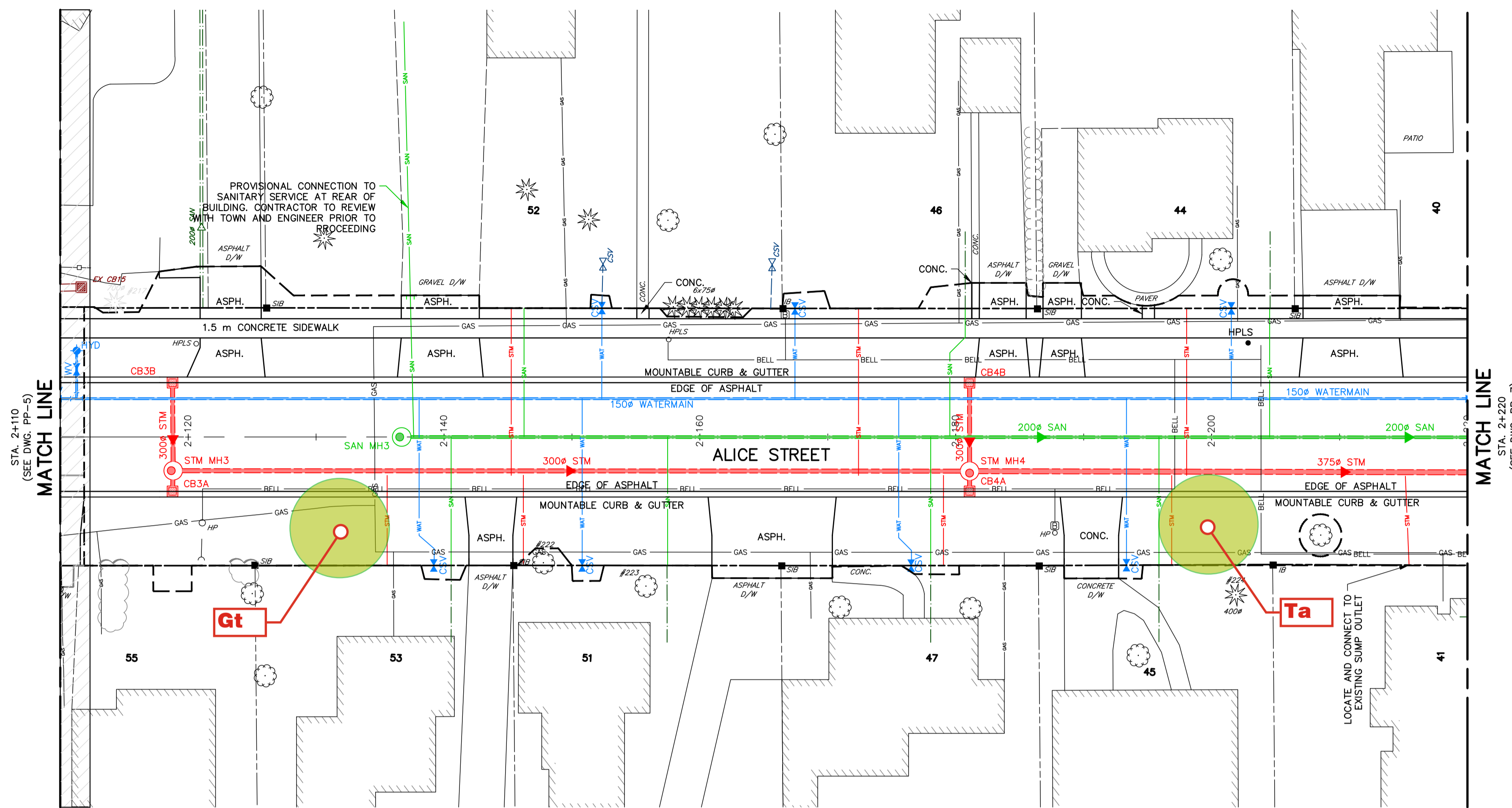
**PLAN AND PROFILE**  
ALICE STREET  
STA. 2+000 TO 2+120

**TATHAM ENGINEERING**

DESIGN: APR	FILE: 119105	DWG: PP-5
DRAWN: APR/AMF	DATE: JULY 2019	
CHECK: AEB	SCALE: 1:250 HORIZ. 1:50 VERT.	Sheet No. 13 of 40

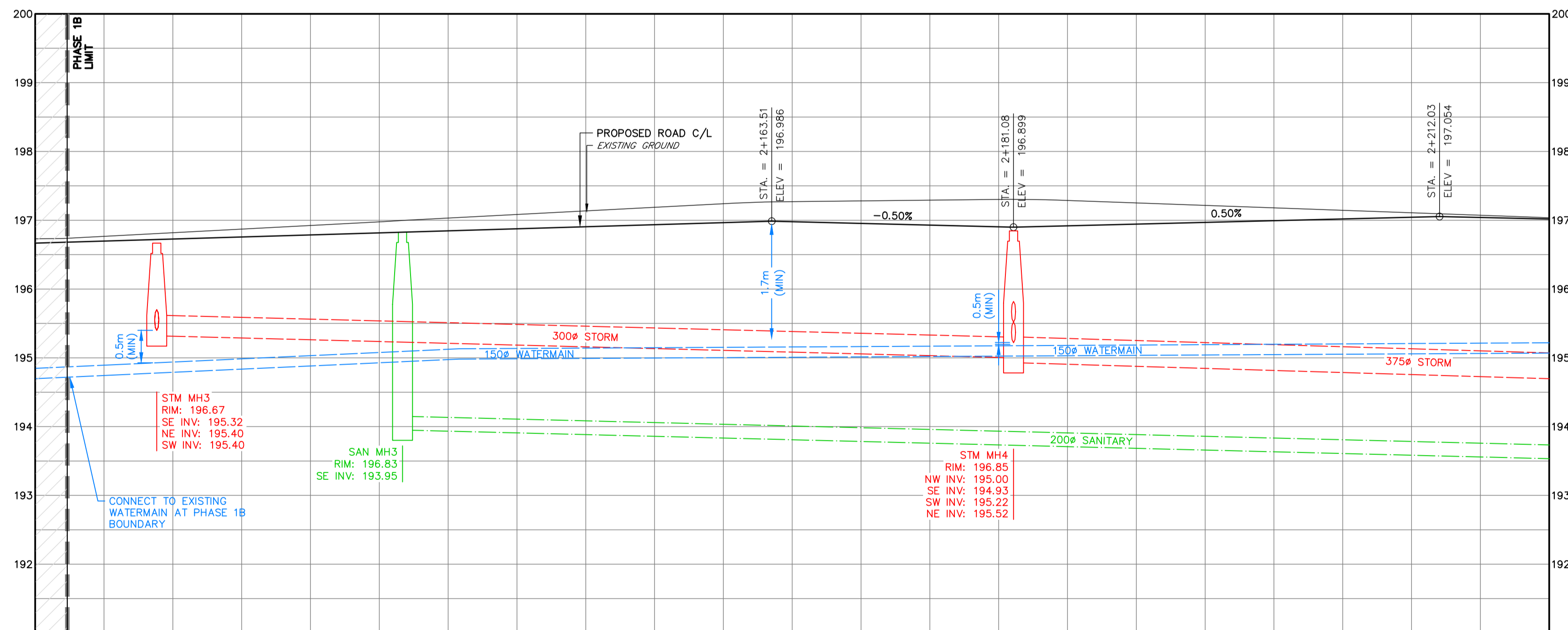


KEY PLAN



NOTES

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CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
CB3A	300 mm	1.6 m	2.0%
CB3B	300 mm	6.9 m	2.0%
CB4A	300 mm	1.6 m	2.0%
CB4B	300 mm	6.9 m	2.0%

STRUCTURES		
STRUCTURE	RIM	PIPES
CB3A	196.63	NE INV: 195.43 300Ø
CB3B	196.63	SW INV: 195.54 300Ø
CB4A	196.81	NE INV: 195.25 300Ø
CB4B	196.81	SW INV: 195.66 300Ø

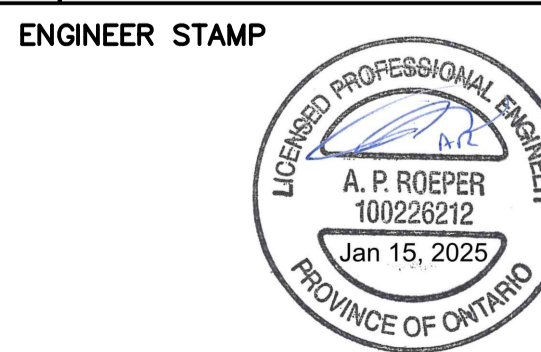
STA	2+120	2+140	2+160	2+180	2+200	STA
C/L ELEV	196.67	196.73	196.85	196.90	196.99	197.04
SAN		2+136.7 RIM: 196.83		100.1m 200Ø @ 0.5% START INV: 193.95 END INV: 193.45		
STM	2+118.8 RIM: 196.67		62.3m 300Ø @ 0.5% START INV: 195.32 END INV: 195.00	2+181.1 RIM: 196.85	58.8m 375Ø @ 0.6% START INV: 194.93 END INV: 194.58	

**DISCLAIMER AND COPYRIGHT**  
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TBM1 - ELEVATION 191.25  
NAIL AND WASHERS IN EAST FACE OF HYDRO POLE ON NORTH SIDE OF LOUISA STREET WEST ADJACENT TO 16 ELMA STREET SOUTH.  
TBM2 - ELEVATION 193.12  
NAIL AND WASHERS IN NORTH FACE OF HYDRO POLE NORTH SIDE OF VICTORIA STREET SOUTH, 26m NORTH OF DRIVEWAY TO RANKIN'S LANDING.  
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TOPOGRAPHIC SURVEY COMPLETED BY WSP CANADA INC. AND TATHAM ENGINEERING LIMITED.

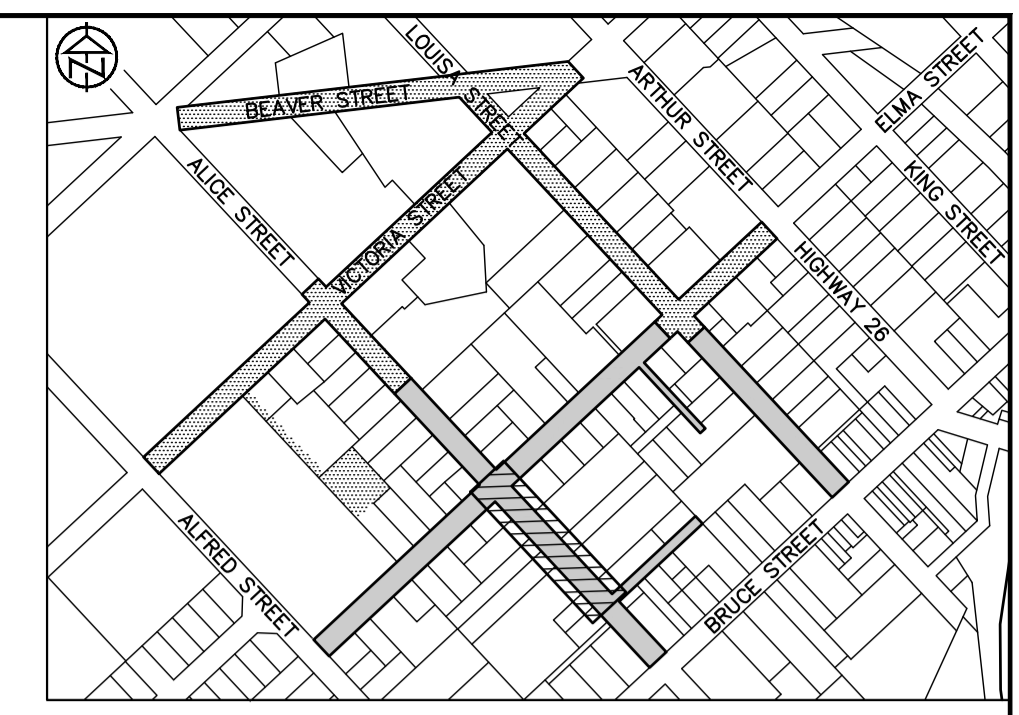
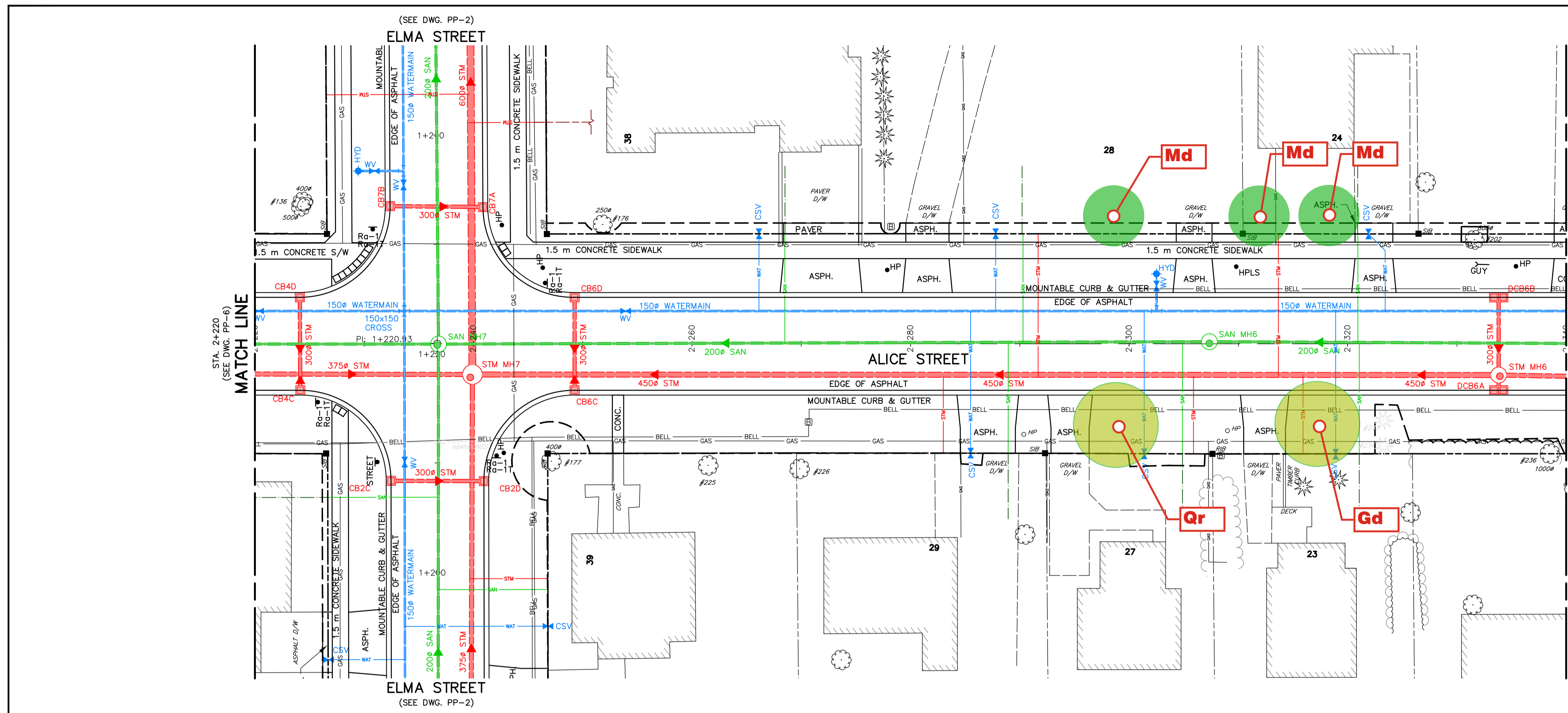
No.	REVISION DESCRIPTION	DATE
2.	60% DESIGN SUBMISSION	AUG 2021
3.	ISSUED FOR PREQUALIFICATION	NOV 2021
4.	90% DESIGN SUBMISSION	NOV 2021
5.	ISSUED FOR PREQUALIFICATION - PHASE 1B	NOV 2024
6.	ISSUED FOR TENDER	JAN 2025



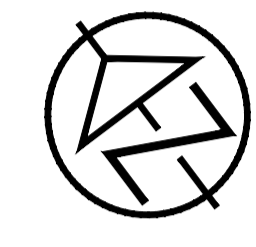
**THORNBURY WEST  
PHASE 1B  
TOWN OF THE BLUE MOUNTAINS**  
PLAN AND PROFILE  
ALICE STREET  
STA. 2+110 TO 2+220



DESIGN: APR	FILE: 119105	DWG:
DRAWN: APR/GEF	DATE: OCT/2020	<b>PP-6</b>
CHECK: AEB	SCALE: 1:250 HORIZ. 1:50 VERT.	Sheet No. 18 of 53

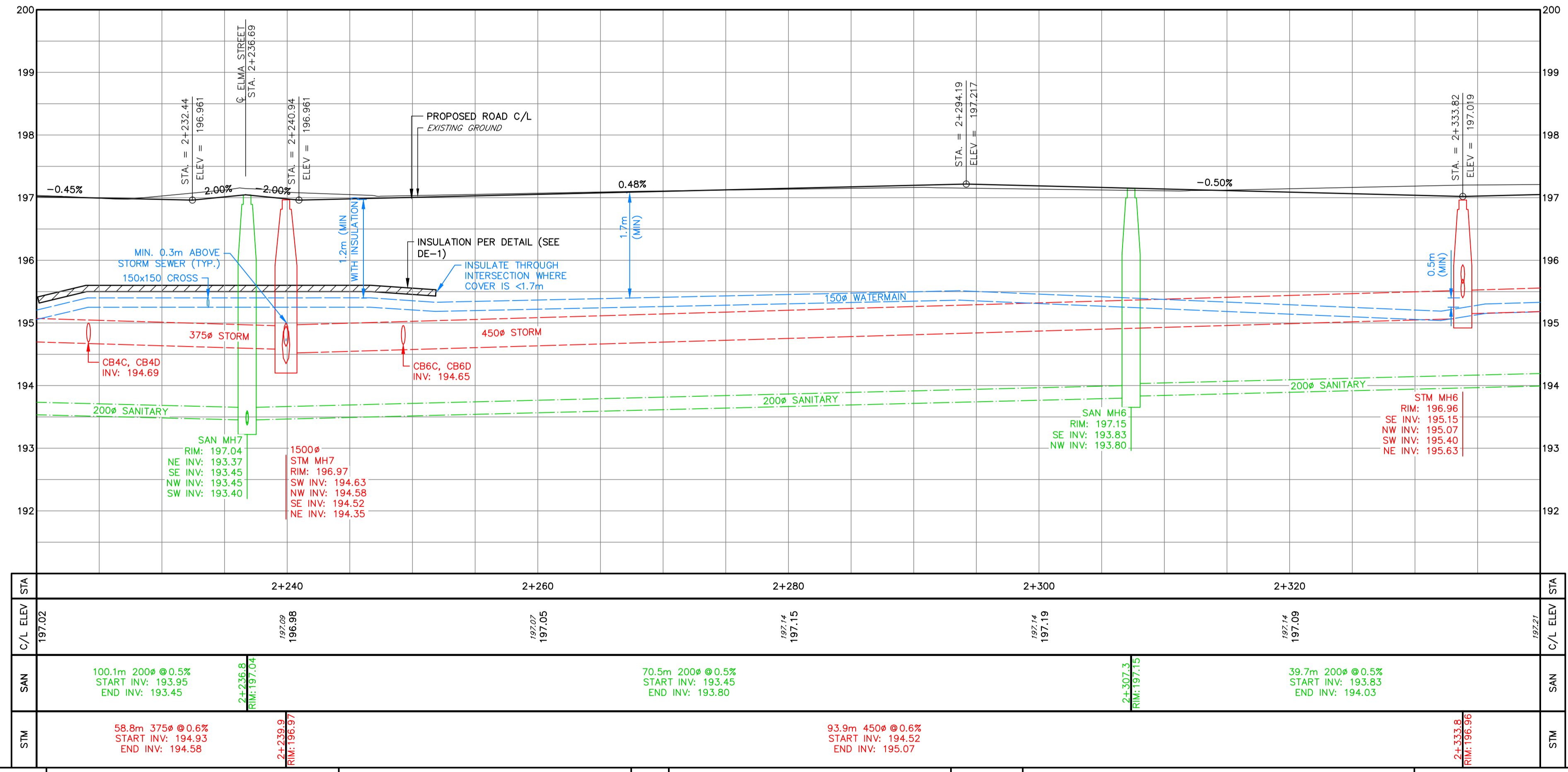


KEY PLAN



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CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
CB4C	300 mm	1.4 m	2.0%
CB4D	300 mm	7.1 m	2.0%
CB6C	300 mm	1.4 m	2.0%
CB6D	300 mm	7.1 m	2.0%
DCB6A	300 mm	1.4 m	2.0%
DCB6B	300 mm	7.1 m	2.0%

STRUCTURES		
STRUCTURE	RIM	PIPES
CB4C	196.91	NE INV: 194.71 300Ø
CB4D	196.91	SW INV: 194.83 300Ø
CB6C	196.92	NE INV: 194.67 300Ø
CB6D	196.92	SW INV: 194.79 300Ø
DCB6A	196.93	NE INV: 195.43 300Ø
DCB6B	196.93	SW INV: 195.77 300Ø

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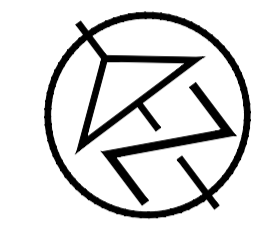
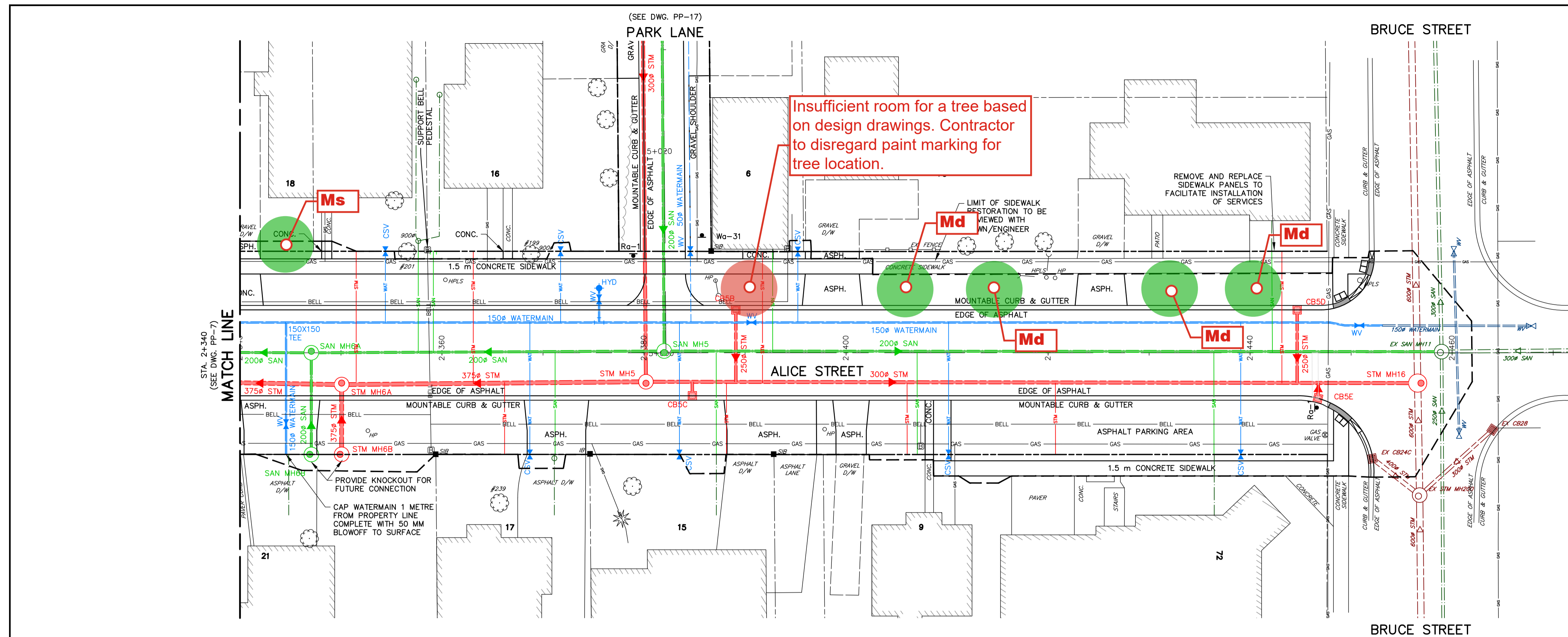
No.	REVISION DESCRIPTION	DATE
2.	60% DESIGN SUBMISSION	AUG 2021
3.	ISSUED FOR PREQUALIFICATION	NOV 2021
4.	90% DESIGN SUBMISSION	NOV 2021
5.	ISSUED FOR PREQUALIFICATION - PHASE 1B	NOV 2024
6.	ISSUED FOR TENDER	JAN 2025

**ENGINEER STAMP**  
 LICENSED PROFESSIONAL ENGINEER  
 A. P. ROEPER  
 100226212  
 Jan 15, 2025  
 PROVINCE OF ONTARIO

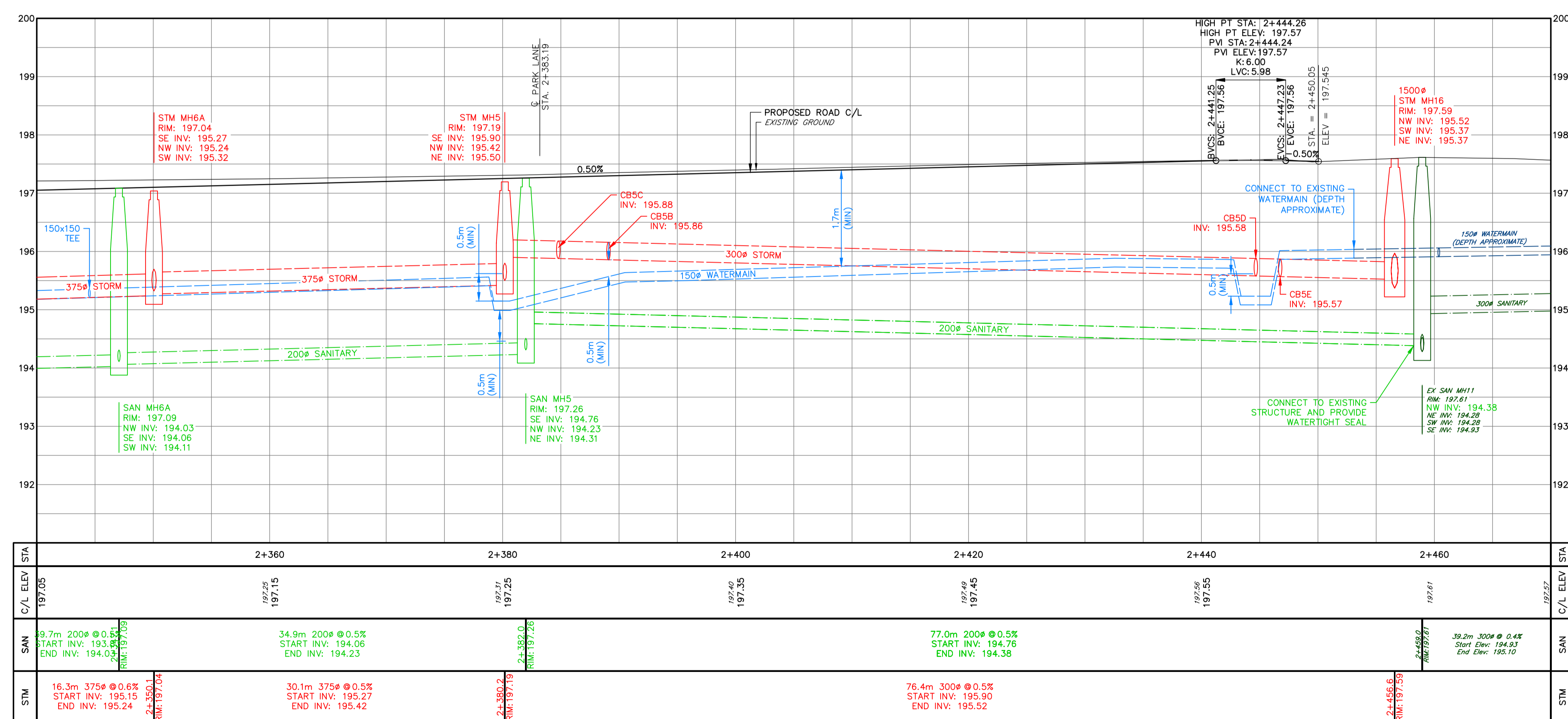
**THORNBURY WEST  
 PHASE 1B  
 TOWN OF THE BLUE MOUNTAINS  
 PLAN AND PROFILE  
 ALICE STREET  
 STA. 2+220 TO 2+340**

**TATHAM ENGINEERING**

DESIGN: APR	FILE: 119105	DWG:
DRAWN: APR/GEF	DATE: OCT/2020	<b>PP-7</b>
CHECK: AEB	SCALE: 1:250 HORIZ. 1:50 VERT.	Sheet No. 19 of 53



- NOTES**
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CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
CB5B	250 mm	7.1 m	2.0%
CB5C	250 mm	1.3 m	2.0%
CB5D	250 mm	7.2 m	4.0%
CB5E	250 mm	1.5 m	2.0%
STM MH6A	375 mm	6.9 m	0.4%

STRUCTURES		
STRUCTURE	RIM	PIPES
CB5B	197.21	SW INV: 196.00 250∅
CB5C	197.19	NE INV: 195.91 250∅
CB5D	197.45	SW INV: 195.87 250∅
CB5E	197.45	NE INV: 195.60 250∅

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**BENCHMARKS**  
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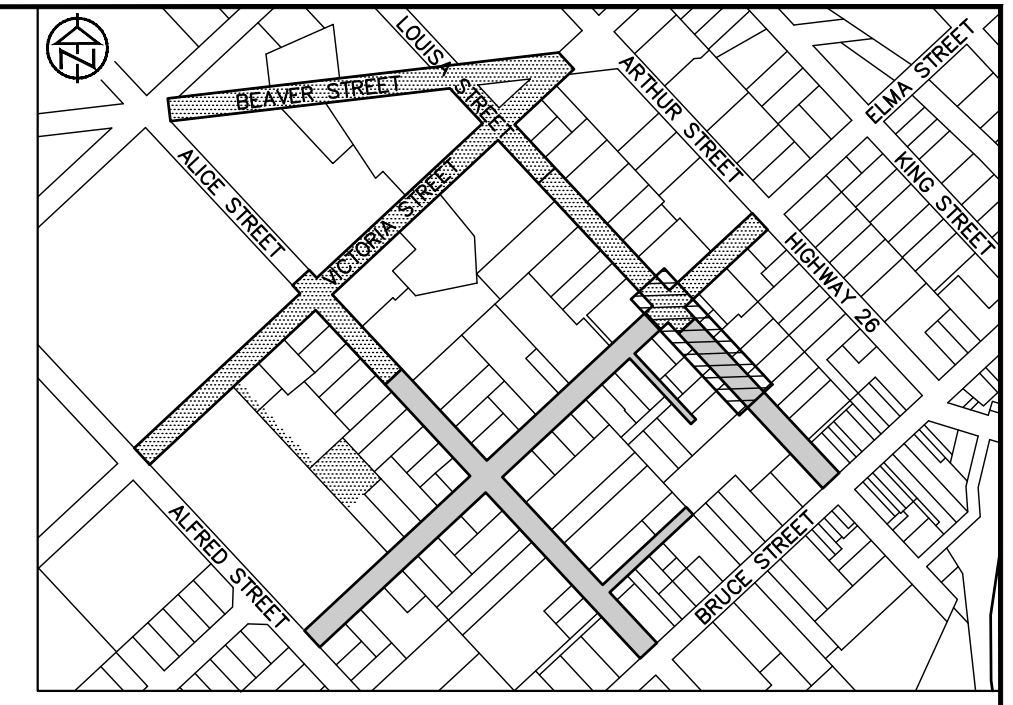
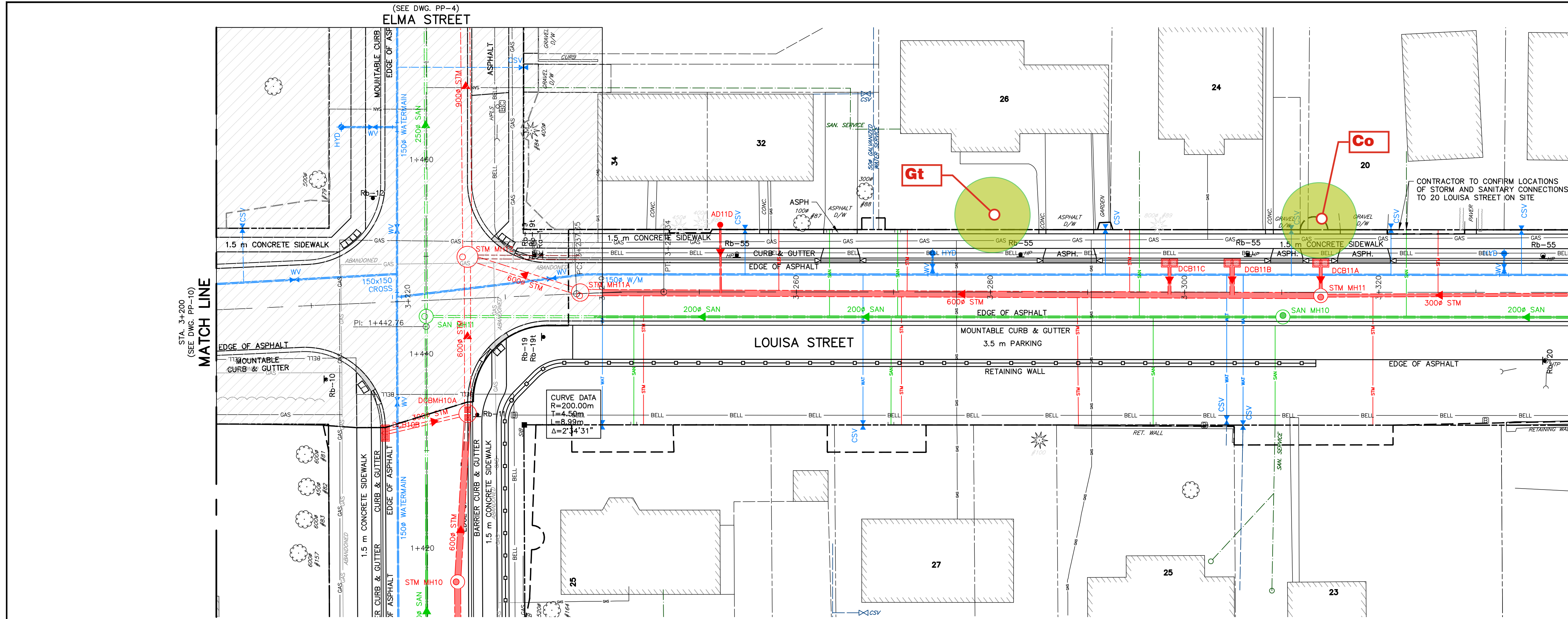
No.	REVISION DESCRIPTION	DATE
2.	60% DESIGN SUBMISSION	AUG 2021
3.	ISSUED FOR PREQUALIFICATION	NOV 2021
4.	90% DESIGN SUBMISSION	NOV 2021
5.	ISSUED FOR PREQUALIFICATION - PHASE 1B	NOV 2024
6.	ISSUED FOR TENDER	JAN 2025

**ENGINEER STAMP**  
 LICENSED PROFESSIONAL ENGINEER  
 A. P. ROEPER  
 100226212  
 Jan 15, 2025  
 PROVINCE OF ONTARIO

**THORNBURY WEST  
 PHASE 1B  
 TOWN OF THE BLUE MOUNTAINS  
 PLAN AND PROFILE  
 ALICE STREET  
 STA. 2+340 TO 2+470**

**TATHAM ENGINEERING**  
 DESIGN: APR FILE: 119105 DWG:  
 DRAWN: APR/GEF DATE: OCT/2020 **PP-8**  
 CHECK: AEB SCALE: 1:250 HORIZ. 1:50 VERT. Sheet No. 20 of 53

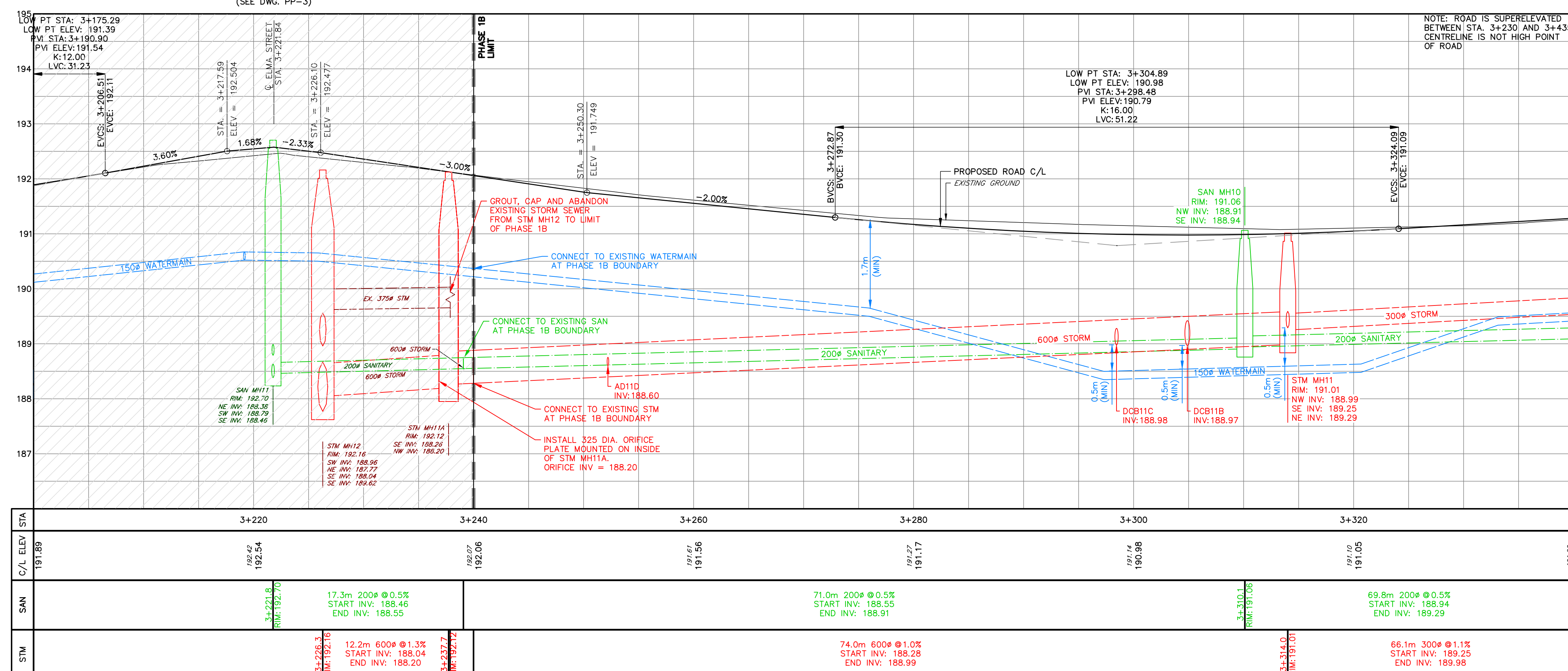




**KEY PLAN**

MATCH LINE  
STA. 3+340  
(SEE DWG. PP-12)

- NOTES**
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CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
AD11D	150 mm	7.0 m	18.5%
DCB11A	300 mm	3.3 m	2.0%
DCB11B	450 mm	3.3 m	2.0%
DCB11C	300 mm	3.2 m	2.0%

STRUCTURES		
STRUCTURE	RIM	PIPES
AD11D	191.54	SW INV: 189.90 150 $\varnothing$
DCB11A	190.91	SW INV: 189.36 300 $\varnothing$
DCB11B	190.89	SW INV: 189.04 450 $\varnothing$
DCB11C	190.90	SW INV: 189.04 300 $\varnothing$

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TOPOGRAPHIC SURVEY COMPLETED BY WSP CANADA INC. AND TATHAM ENGINEERING LIMITED.

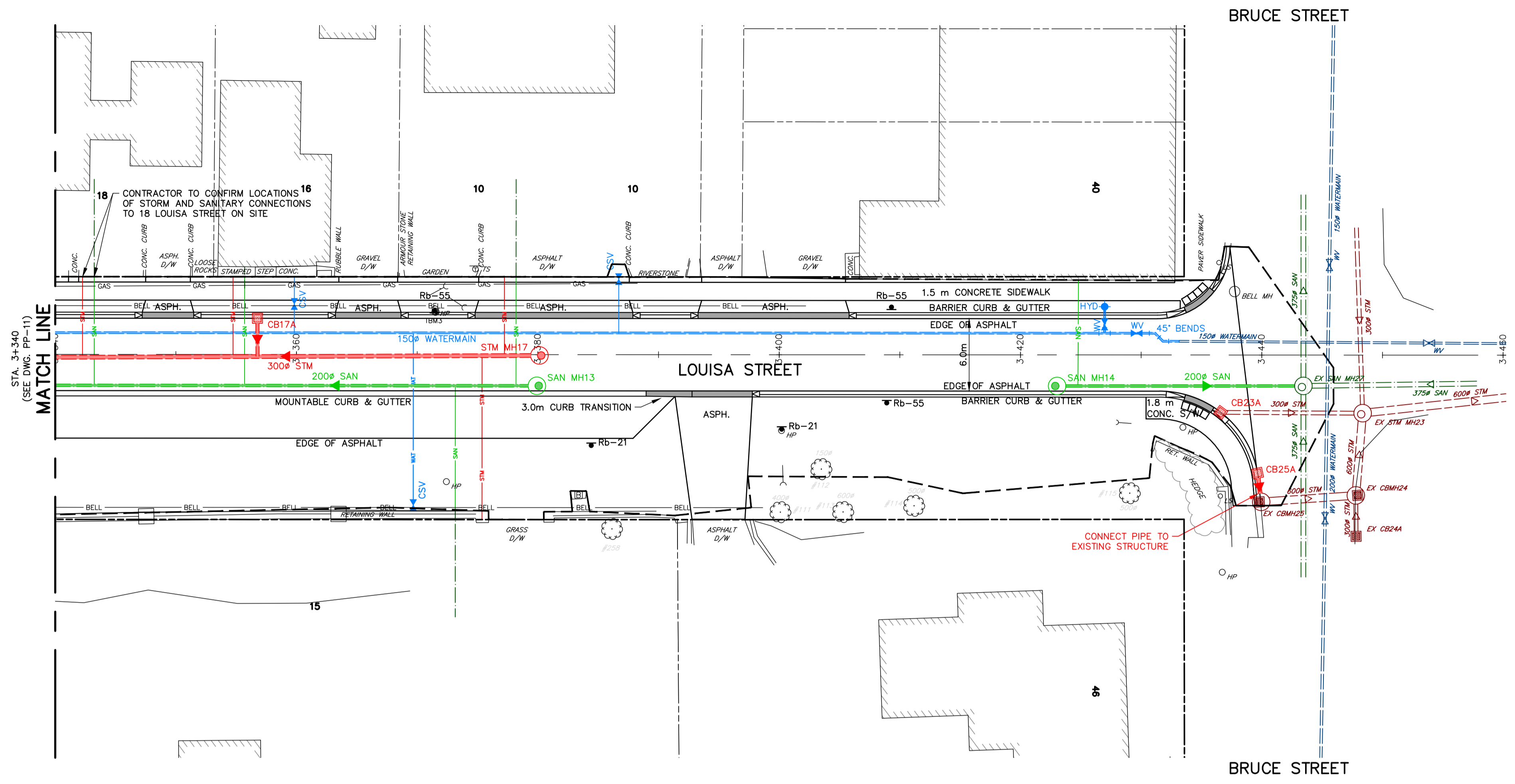
No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP
2.	CONTRACTOR DESIGN SUBMISSION 25	JULY 2023	
3.	ISSUED FOR PREQUALIFICATION	NOV 2023	
4.	90% DESIGN SUBMISSION	NOV 2021	
5.	ISSUED FOR PREQUALIFICATION - PHASE 1B	NOV 2024	
6.	ISSUED FOR TENDER	JAN 2025	

**THORNBURY WEST  
PHASE 1B  
TOWN OF THE BLUE MOUNTAINS**

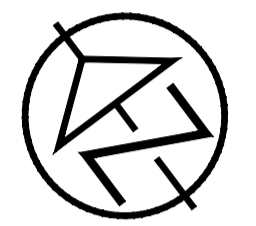
**PLAN AND PROFILE  
LOUISA STREET  
STA. 3+200 TO 3+340**

**TATHAM ENGINEERING**

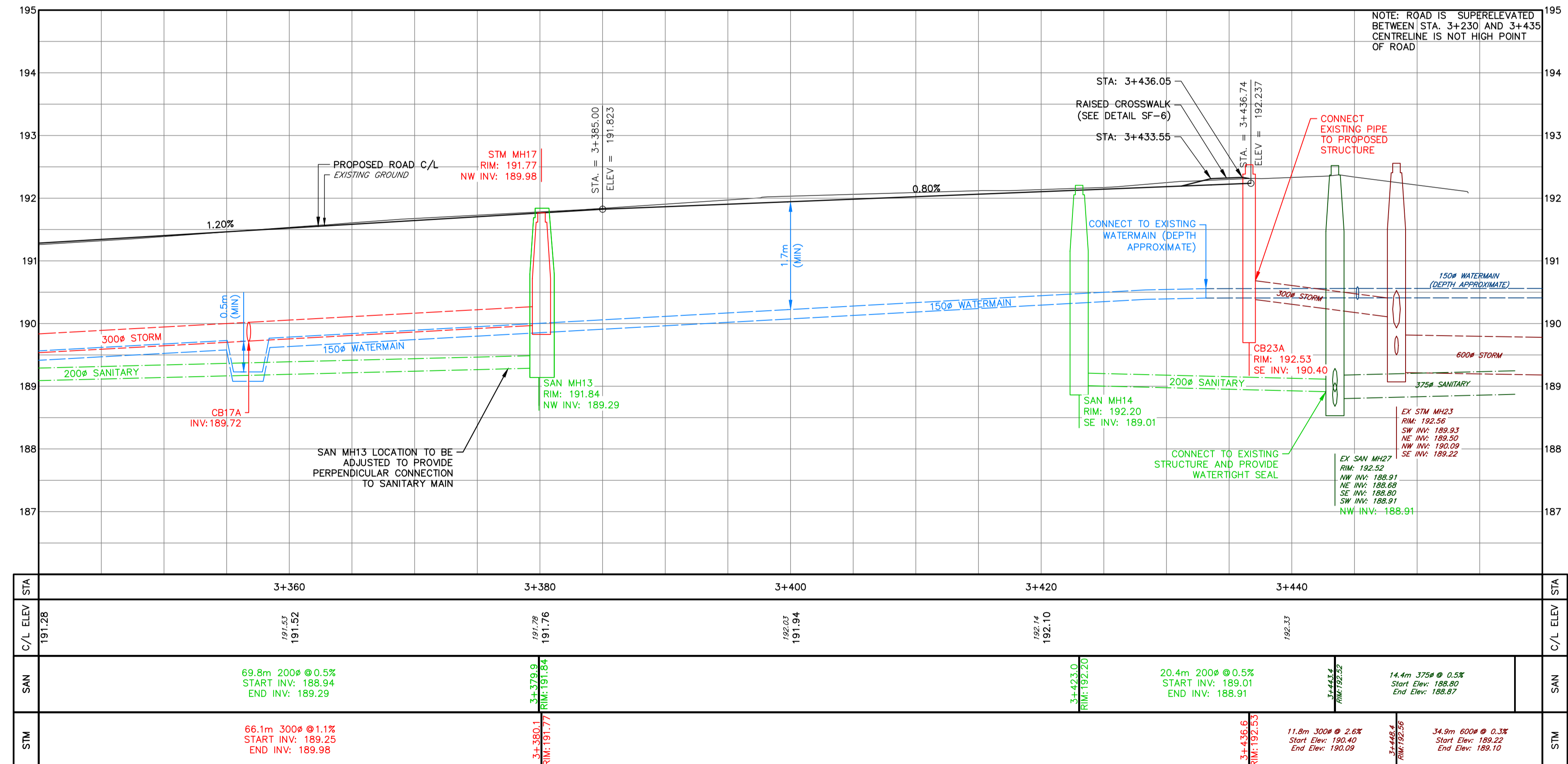
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DRAWN: APR/CEF DATE: OCT/2020 **PP-11**  
CHECK: AEB SCALE: 1:250 HORIZ. 1:50 VERT. Sheet No. 21 of 53



KEY PLAN



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CATCH BASIN LEADS			
STRUCTURE	SIZE	LENGTH	SLOPE
CB17A	250 mm	3.1 m	2.0%
CB25A	300 mm	2.4 m	2.0%

STRUCTURES		
STRUCTURE	RIM	PIPES
CB17A	191.39	SW INV: 189.78 250Ø
CB25A	191.15	SW INV: 190.55 300Ø

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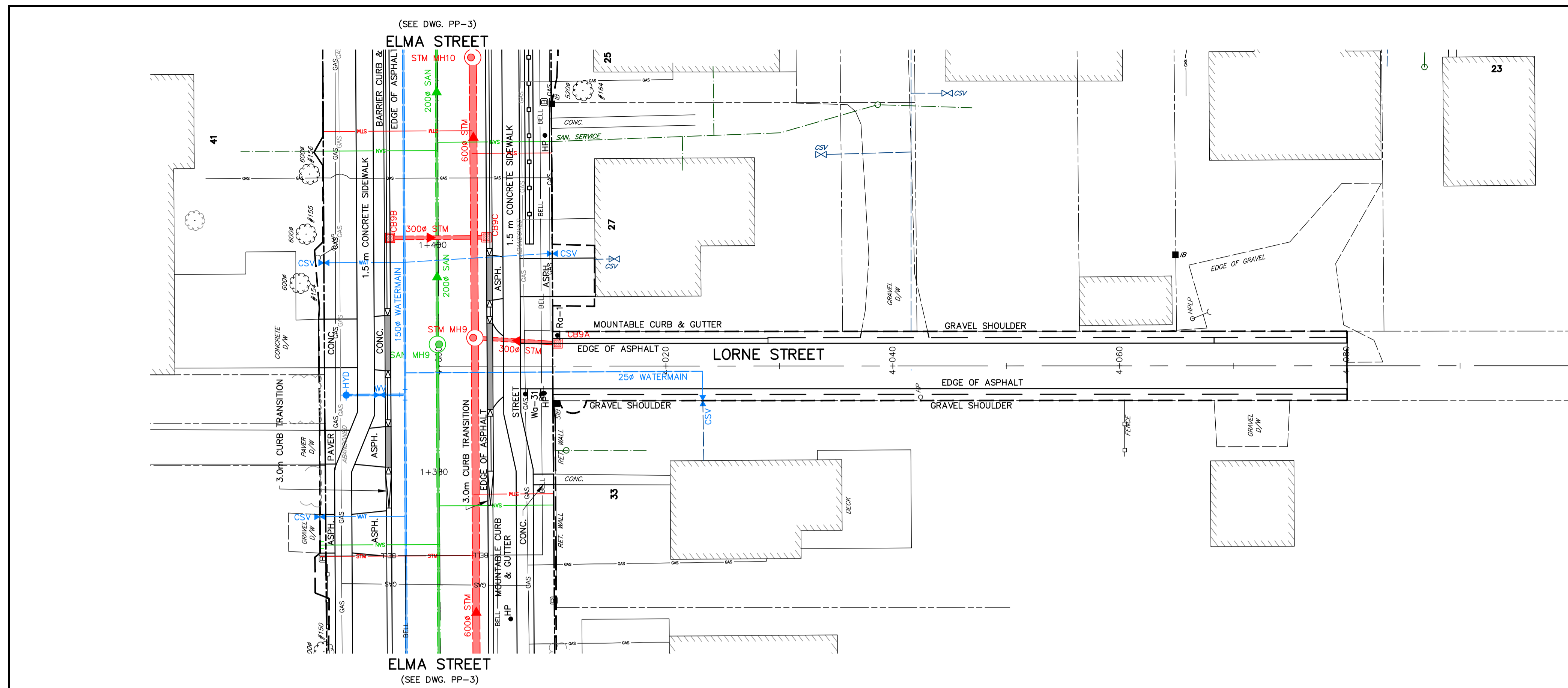
**ENGINEER STAMP**

**THORNBURY WEST  
 PHASE 1B  
 TOWN OF THE BLUE MOUNTAINS**

**PLAN AND PROFILE  
 LOUISA STREET  
 STA. 3+340 TO 3+460**

**TATHAM ENGINEERING**

DESIGN: APR FILE: 119105 DWG:  
 DRAWN: APR/CEF DATE: OCT/2020 **PP-12**  
 CHECK: AEB SCALE: 1:250 HORIZ. 1:50 VERT. Sheet No. 22 of 53

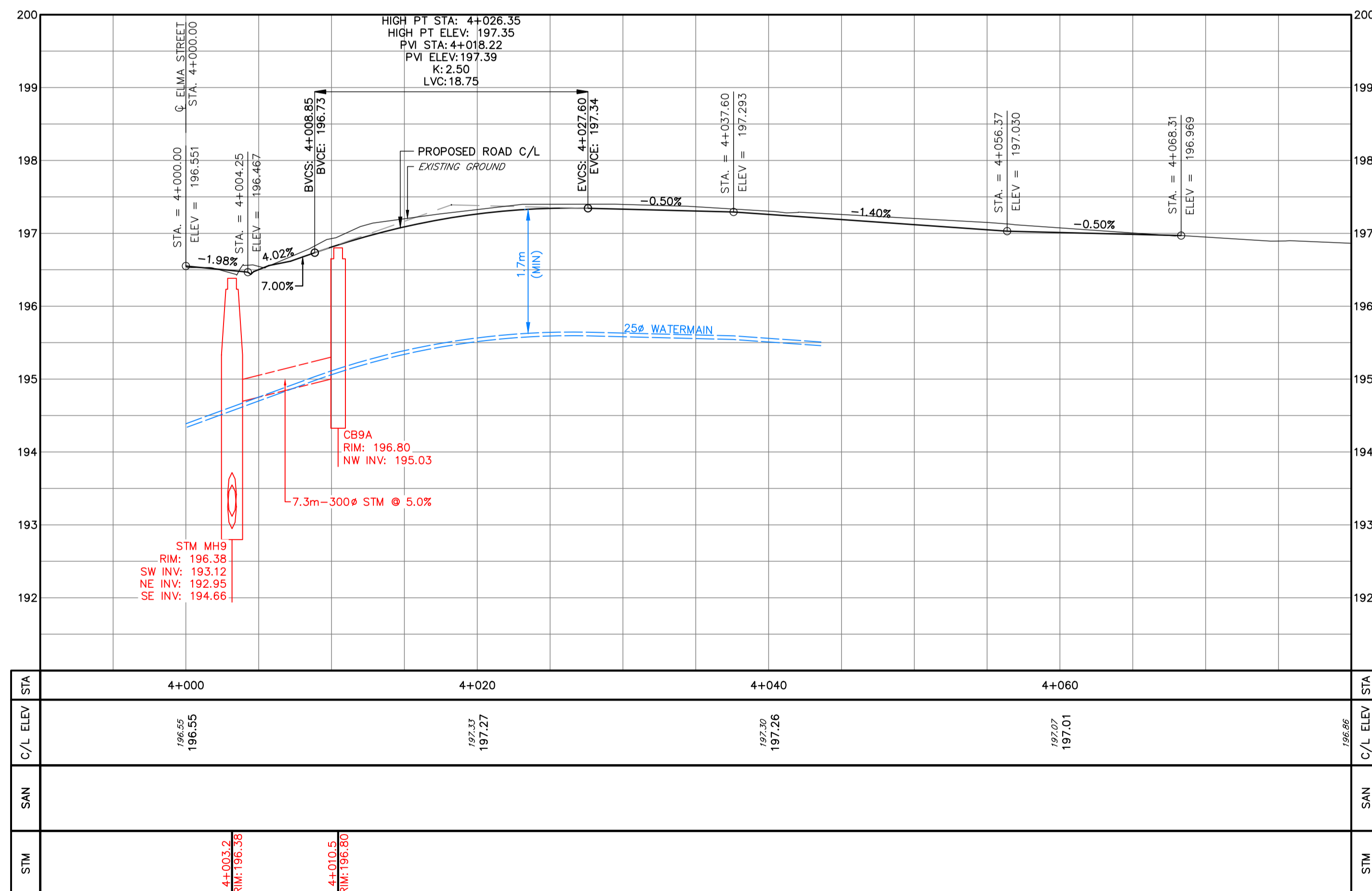


KEY PLAN



NOTES

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**BENCHMARKS**  
 TB1 - ELEVATION 191.25  
 NAIL AND WASHERS IN EAST FACE OF HYDRO POLE ON NORTH SIDE OF LOUISA STREET WEST ADJACENT TO 16 ELMA STREET SOUTH.  
 TB2 - ELEVATION 193.12  
 NAIL AND WASHERS IN NORTH FACE OF HYDRO POLE 23X4 ON VICTORIA STREET SOUTH, 26m NORTH OF DRIVEWAY TO RANKIN'S LANDING.  
 REFER TO DRAWING IN-1 FOR A FULL LISTING OF BENCHMARKS WITHIN THE PROJECT AREA.

**NOTES**  
 PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED. ELEVATIONS ARE IN METRES UNLESS INDICATED. ALL DIMENSIONS, ELEVATIONS AND SIZES ARE IN METRIC UNITS UNLESS INDICATED.  
 LEGAL BOUNDARIES SHOWN ON THIS PLAN ARE FROM PLAN 17-08 AND 19-218 PREPARED BY HEWITT AND MILNE LIMITED, DATED OCTOBER 23, 2017 AND MARCH 4, 2020.  
 TOPOGRAPHIC SURVEY COMPLETED BY WSP CANADA INC. AND TATHAM ENGINEERING LIMITED.

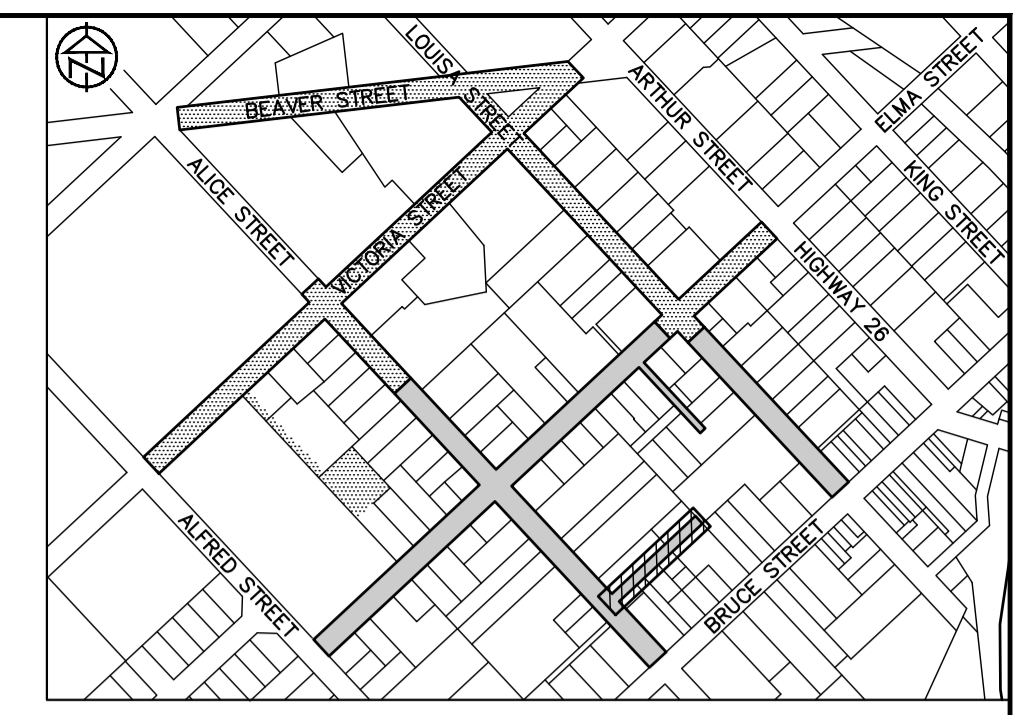
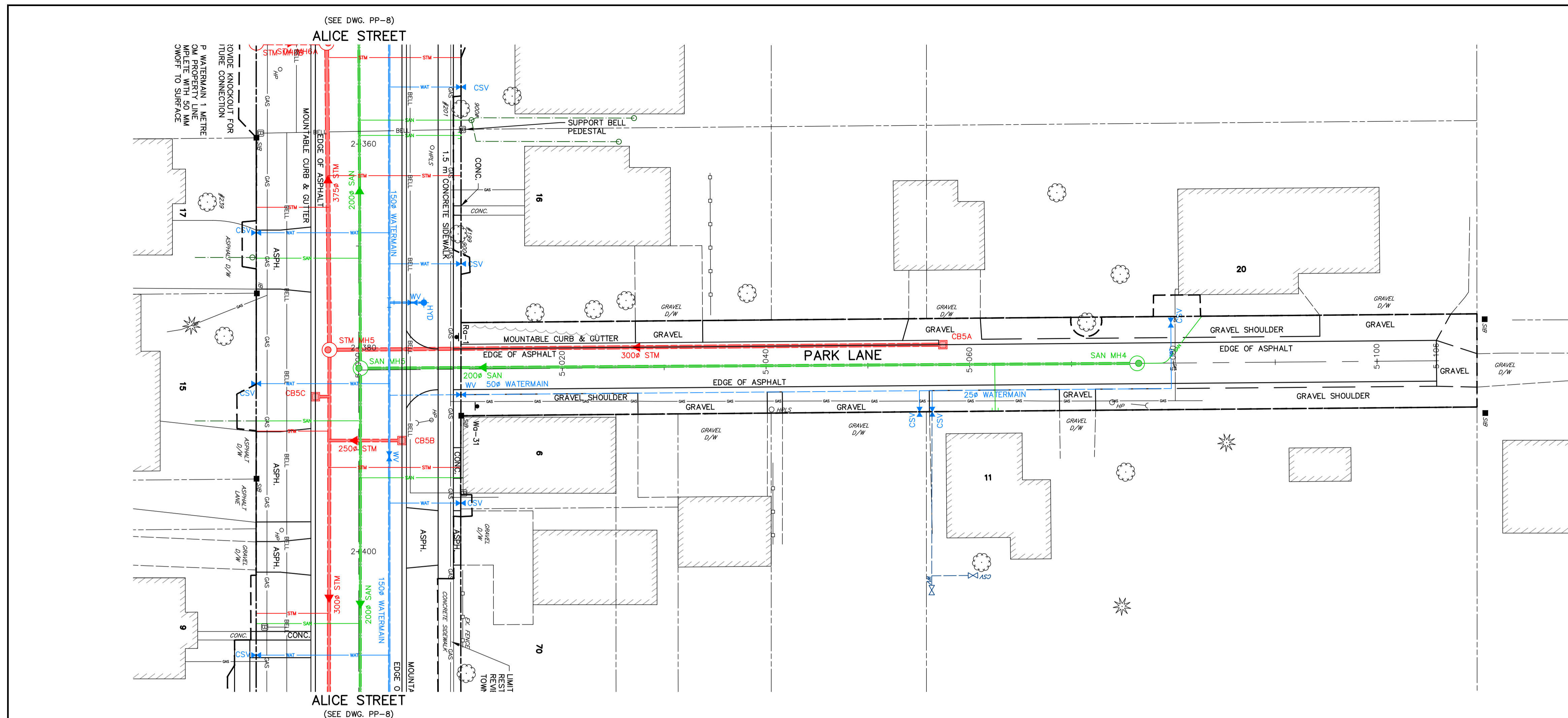
No.	REVISION DESCRIPTION	DATE
2.	60% DESIGN SUBMISSION	AUG 2021
3.	ISSUED FOR PREQUALIFICATION	NOV 2021
4.	90% DESIGN SUBMISSION	NOV 2021
5.	ISSUED FOR PREQUALIFICATION - PHASE 1B	NOV 2024
6.	ISSUED FOR TENDER	JAN 2025

ENGINEER STAMP

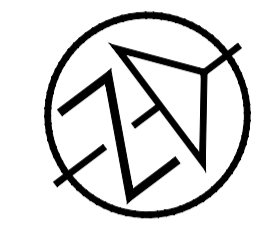
**THORNBURY WEST  
 PHASE 1B  
 TOWN OF THE BLUE MOUNTAINS**  
**PLAN AND PROFILE  
 LORNE STREET  
 STA. 4+000 TO 4+080**

**TATHAM ENGINEERING**

DESIGN: APR	FILE: 119105	DWG:
DRAWN: APR/GEF	DATE: OCT/2020	<b>PP-17</b>
CHECK: AEB	SCALE: 1:250 HORIZ. 1:50 VERT.	Sheet No. 23 of 53

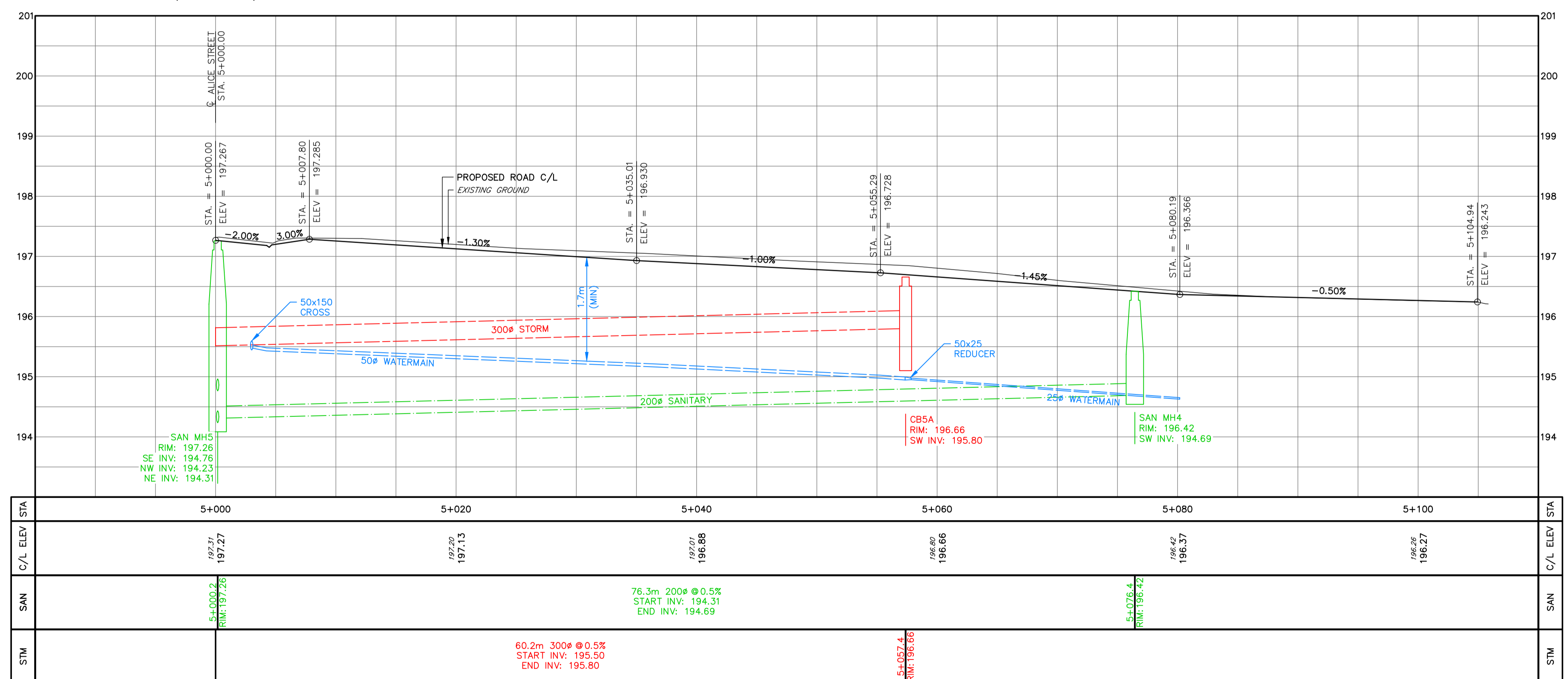


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6.	ISSUED FOR TENDER	JAN 2025

**ENGINEER STAMP**  
 LICENSED PROFESSIONAL ENGINEER  
 A. P. ROEPER  
 100226212  
 Jan 15, 2025  
 PROVINCE OF ONTARIO

**THORNBURY WEST  
 PHASE 1B  
 TOWN OF THE BLUE MOUNTAINS**  
**PLAN AND PROFILE  
 PARK LANE  
 STA. 5+000 TO 5+100**

**TATHAM ENGINEERING**

DESIGN: APR	FILE: 119105	DWG:
DRAWN: APR/CEF	DATE: OCT/2020	<b>PP-18</b>
CHECK: AEB	SCALE: 1:250 HORIZ. 1:50 VERT.	Sheet No. 24 of 53