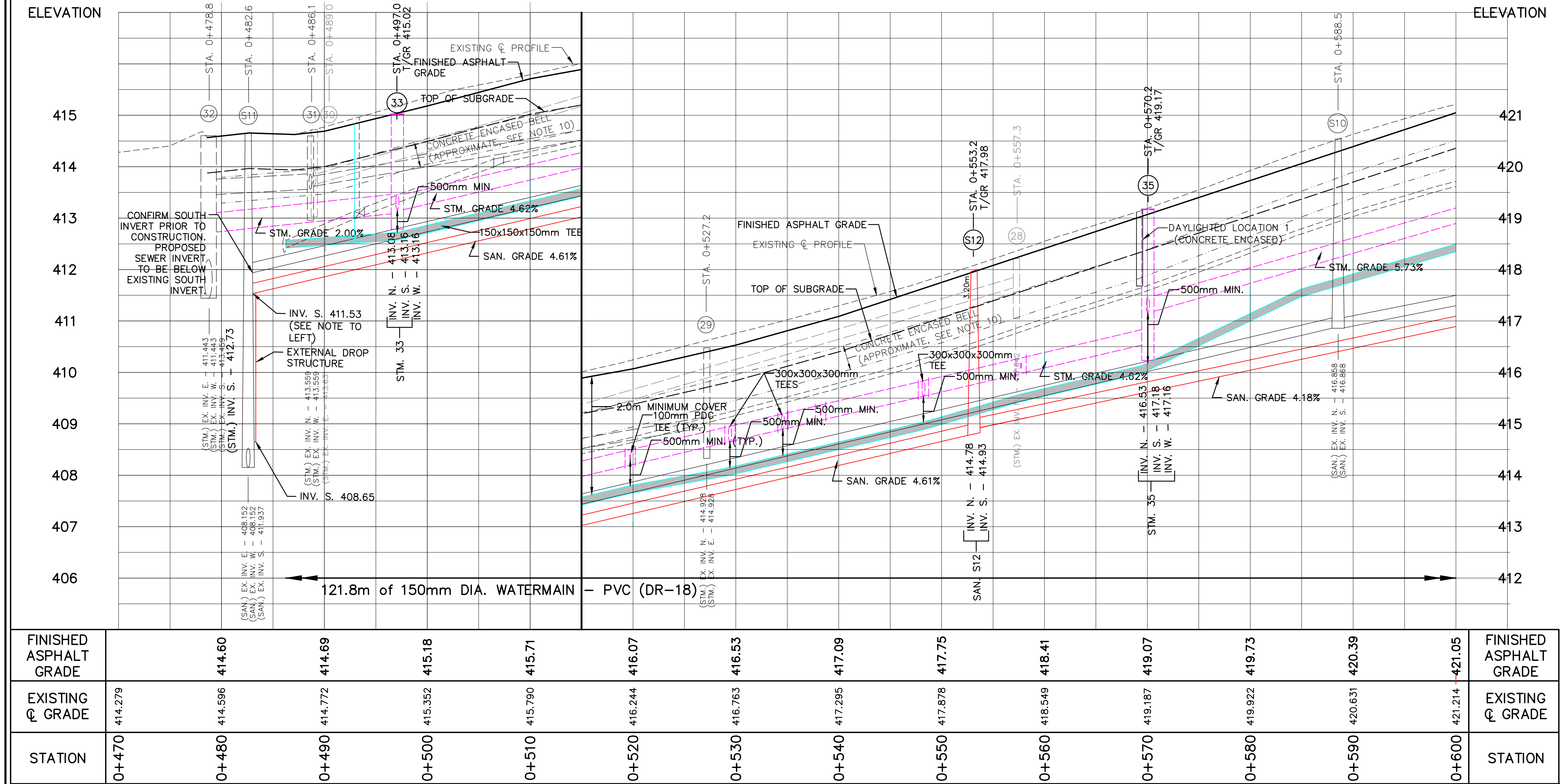


PRELIMINARY



STORM M.H. & C.B. DATA				
No	Station	O/S	Desc.	Grate
33	0+497.0	LT	701.010	400.110 (S)
34	0+497.1	RT	705.010	400.110 (S)
35	0+570.1	LT	701.010	400.110 (S)
36	0+570.1	RT	705.010	400.110 (S)
58	0+529.4	LT	INLINE	
32	0+478.7	LT	ADJUST	
28	0+557.3	RT	REMOVE	
29	0+527.2	LT	REMOVE	
30	0+489.0	RT	REMOVE	
31	0+488.7	LT	REMOVE	
59	0+534.6	RT	INLINE	
60	0+548.2	RT	INLINE	

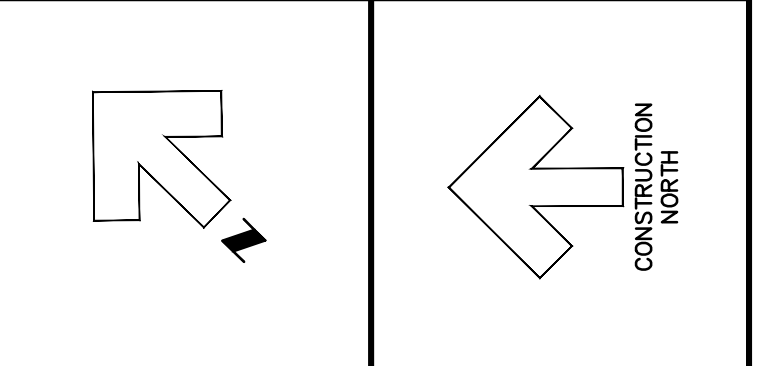
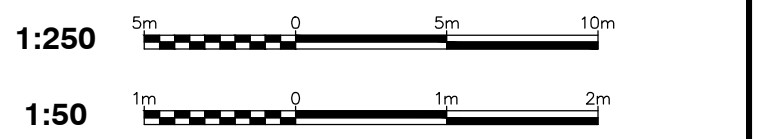
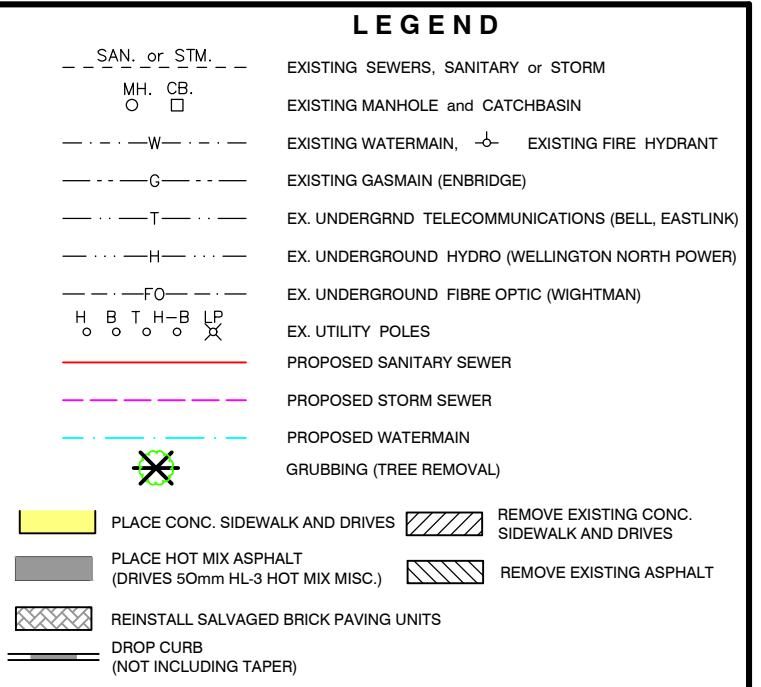
(S) DENOTES SUMP

STORM SEWER DATA				
No to No	Size	Type	Class	Length
37 - 35	300	HDPE	CSA B182.8	64.6
36 - 35	300	HDPE	CSA B182.8	9.5
35 - 33	300	HDPE	CSA B182.8	73.0
34 - 33	300	HDPE	CSA B182.8	8.3
33 - 32	375	HDPE	CSA B182.8	17.4
58 - TEE	300	HDPE	CSA B182.8	4.3
59 - TEE	300	HDPE	CSA B182.8	13.1
60 - TEE	300	HDPE	CSA B182.8	13.1

SANITARY M.H. DATA				
No	Station	O/S	Desc.	Grate
S12	0+553.1	LT	701.010	401.010A (B)
S11	0+482.6	LT	ADJUST	(E)
S10	0+588.5	RT	REMOVE	

(B) DENOTES BENCHING  
(E) DENOTES EXTERNAL DROP STRUCTURE

SANITARY SEWER DATA				
No to No	Size	Type	Class	Length
S13-S12	200	PVC	SDR35	71.4
S12-S11	200	PVC	SDR35	70.6



**NOTE**  
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**BENCHMARK INFORMATION**  
?  
?  
?

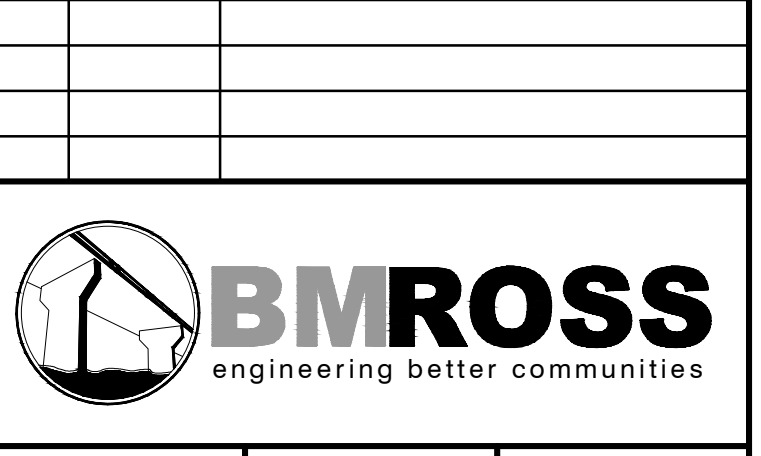
**BENCHMARK INFORMATION**  
?  
?  
?

**BENCHMARK INFORMATION**  
?  
?  
?

Design By: J.A.V. Checked By: I.S.D.

PRELIMINARY

No.	DATE	REVISION
1	Oct. 11, 2023	Issued to Client for Review (Draft Design)
2	Oct. 24, 2023	Issued for Public Information Centre
3	Oct. 26, 2023	Issued for Public Review



Goderich Mount Forest Sarnia



**TOWNSHIP OF WELLINGTON NORTH**  
**FERGUS STREET RECONSTRUCTION**  
**Plan and Profile from Sligo Road to Sta. 0+600**

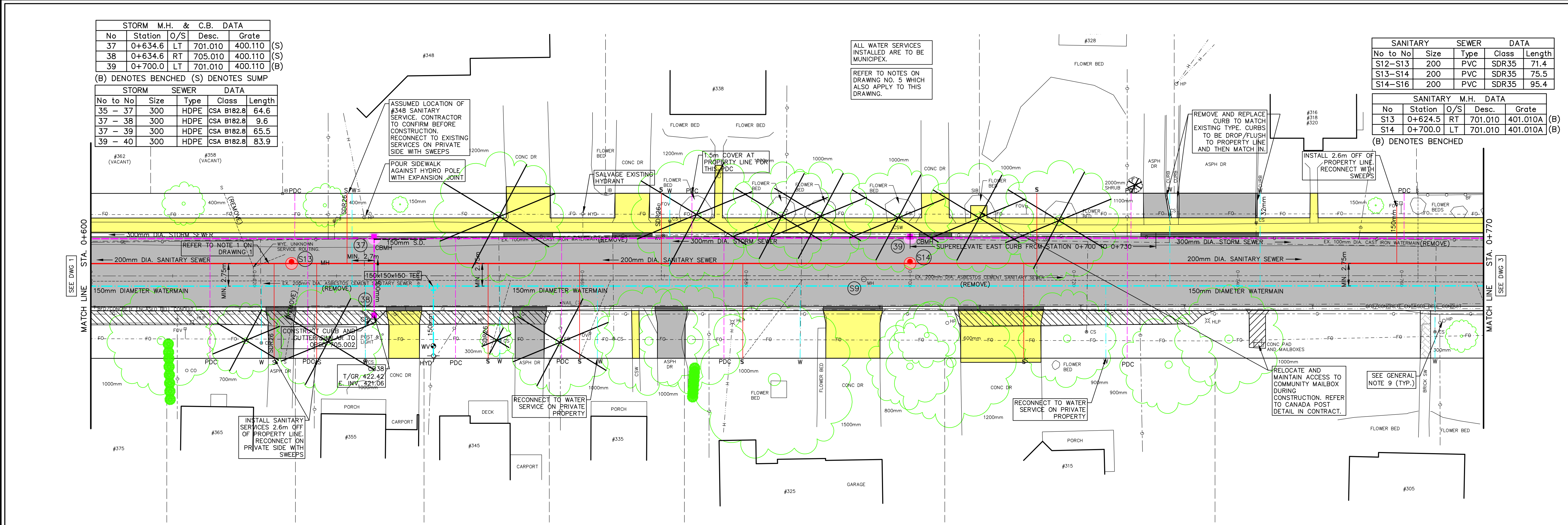
**Contract No.**  
?

**Project No.**  
21340

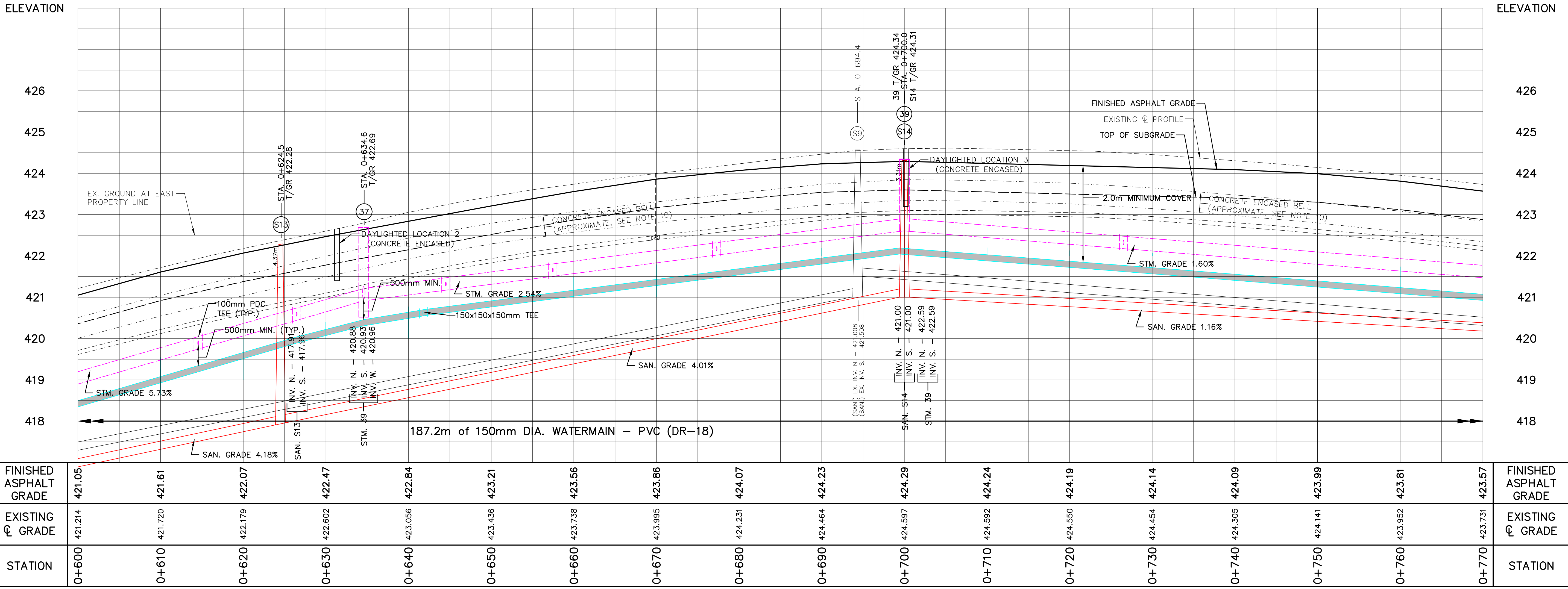
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Horizontal : 1:250  
Vertical : 1:50

**Drawing No.**  
1 of 7





PRELIMINARY



**LEGEND**

- SAN. or STM. M.H. CB.
- EXISTING SEWERS, SANITARY or STORM
- EXISTING MANHOLE and CATCHBASIN
- EXISTING WATERMAIN, -
- EXISTING FIRE HYDRANT
- EXISTING GASMAIN (ENRIDGE)
- EX. UNDERGROUND TELECOMMUNICATIONS (BELL, EASTLINK)
- EX. UNDERGROUND HYDRO (WELLINGTON NORTH POWER)
- EX. UNDERGROUND FIBRE OPTIC (NIGHTMAN)
- EX. UTILITY POLES
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATERMAIN
- GRUBBING (TREE REMOVAL)
- PLACE CONC. SIDEWALK AND DRIVES
- REMOVE EXISTING CONC. SIDEWALK AND DRIVES
- PLACE HOT MIX ASPHALT (DRIVES 50mm H-2 HOT MIX MISC.)
- REMOVE EXISTING ASPHALT
- REINSTALL SALVAGED BRICK PAVING UNITS
- DROP CURB (NOT INCLUDING TAPER)

**NOTE**

The locations of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or its representative. The contractor shall determine the exact location of all existing utilities before commencing work and agrees to be fully responsible for any damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.

**BENCHMARK INFORMATION**

B.M. ELEV 414.746  
CST Nail & Flag in NE face of hydro pole on south side of road at station 1+001 (#196 Birmingham Street)

B.M. ELEV 414.998  
CST Nail & Flag in NE face of hydro pole on south side of road at station 1+092 (#161 Fergus Street)

Design By: J.A.V. Checked By: I.S.D.

**PRELIMINARY**

No.	DATE	REVISION
1.	Oct. 11, 2023	Issued to Client for Review (Draft Design)
2.	Oct. 24, 2023	Issued for Public Information Centre
3.	Oct. 26, 2023	Issued for Public Review

**BMROSS**  
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**THE TOWNSHIP OF WELLINGTON NORTH**

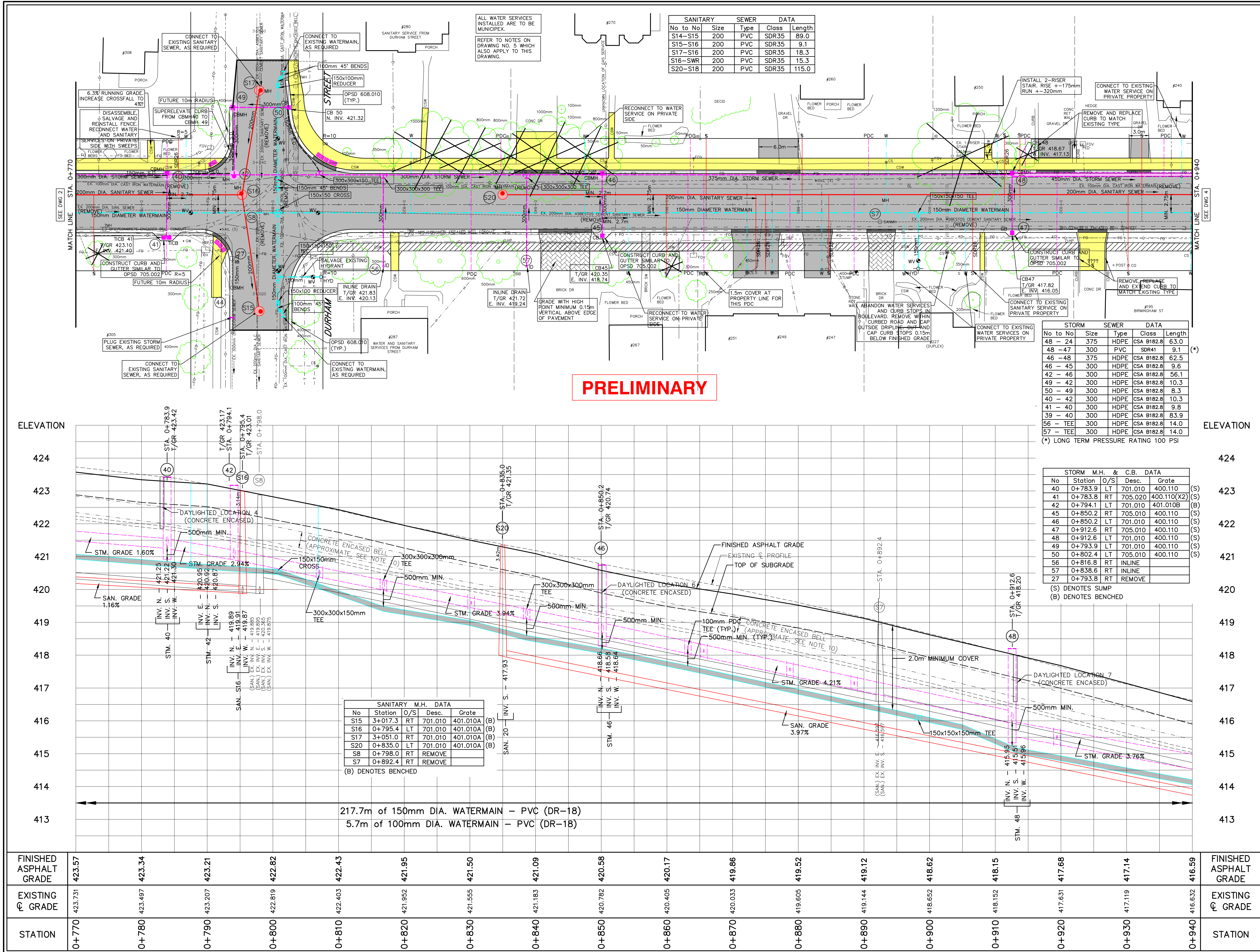
**TOWNSHIP OF WELLINGTON NORTH  
FERGUS STREET  
RECONSTRUCTION  
Plan and Profile from  
Sta. 0+650 to Sta. 0+770**

Contract No.	Project No.
?	21340

Scale (24x36)  
Horizontal : 1:250  
Vertical : 1:50

**Drawing No.  
2 of 7**





LEGEND

- SAN. or STM. M.H. CB.
- EXISTING SEWERS, SANITARY or STORM
- EXISTING MANHOLE and CATCHBASIN
- EXISTING WATERMAIN, -
- EXISTING FIRE HYDRANT
- EXISTING GASMAIN (ENRIDGE)
- EX UNDERGROUND TELECOMMUNICATIONS (BELL, EASTLINK)
- EX UNDERGROUND HYDRO (WELLINGTON NORTH POWER)
- EX UTILITY POLES
- EX UNDERGROUND FIBRE OPTIC (NIGHTMAN)
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATERMAIN
- GRUBBING (TREE REMOVAL)
- PLACE CONC. SIDEWALK AND DRIVES
- REMOVE EXISTING CONC. SIDEWALK AND DRIVES
- PLACE HOT MIX ASPHALT (DRIVES DOWN H/L HOT MIX MISC.)
- REMOVE EXISTING ASPHALT
- REINSTALL SALVAGED BRICK PAVING UNITS
- DROP CURB (NOT INCLUDING TAPER)

1:250

1:50

NOTE

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BENCHMARK INFORMATION

B.M. ELEV 414.746  
CST Nail & Flag in NE face of hydro pole on south side of road at station 1+001 (#196 Birmingham Street)

B.M. ELEV 414.998  
CST Nail & Flag in NE face of hydro pole on south side of road at station 1+092 (#161 Fergus Street)

Design By: J.A.V. Checked By: I.S.D.

PRELIMINARY

REVISION

No.	DATE	REVISION
1.	Oct. 11, 2023	Issued to Client for Review (Draft Design)
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3.	Oct. 26, 2023	Issued for Public Review

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THE TOWNSHIP OF WELLINGTON NORTH

TOWNSHIP OF WELLINGTON NORTH  
FERGUS STREET RECONSTRUCTION  
Plan and Profile from Sta. 0+770 to Sta. 0+940

Contract No. ? Project No. 21340

Scale (24x36)  
Horizontal : 1:250  
Vertical : 1:50

Drawing No. 3 of 7



SANITARY	SEWER	DATA
No to No	Size	Type Class Length
S6 - S1	200	PVC SDR35 15.7
S18 - S19	200	PVC SDR35 33.1
S19 - S1	200	PVC SDR35 6.4
S20 - S18	200	PVC SDR35 115.0

ALL WATER SERVICES INSTALLED ARE TO BE MUNICIPEX.

SANITARY	M.H.	DATA
No	Station	O/S Desc. Grate
S1	0+989.1	RT ADJUST 401.010A (B)
S2	0+989.4	RT REMOVE
S3	1+089.9	RT REBUILD 401.010A
S6	1+986.4	LT 701.010 401.010A (B)
S21	0+983.1	LT 701.010 401.010A (B)
S18	0+950.0	LT 701.010 401.010A (B)

(B) DENOTES BENCHMARK

STORM	SEWER	DATA (2 OF 2)
No to No	Size	Type Class Length
52 - 53	300	HDPE CSA B182.8 7.0
53 - 54	300	HDPE CSA B182.8 7.4
54 - 61	300	HDPE CSA B182.8 22.3
61 - SEWER	300	HDPE CSA B182.8 10.0
55 - 20	300	HDPE CSA B182.8 4.9
48 - 24	375	HDPE CSA B182.8 63.0

STORM	SEWER	DATA (1 OF 2)
No to No	Size	Type Class Length
1 - 2	300	HDPE CSA B182.8 10.2
18 - 3	525	HDPE CSA B182.8 13.8
16 - 6	375	HDPE CSA B182.8 6.3
20 - 6	375	HDPE CSA B182.8 2.5
23 - 24	300	HDPE CSA B182.8 8.9
24 - 3	450	HDPE CSA B182.8 15.5
25 - 18	375	HDPE CSA B182.8 8.3
51 - 18	450	HDPE CSA B182.8 20.1

STORM	M.H. & C.B.	DATA (1 OF 2)
No	Station	O/S Desc. Grate
26	0+985.2	RT REMOVE
52	1+024.5	RT INLINE
53	1+031.4	RT INLINE
54	1+038.8	RT INLINE
55	1+033.5	RT INLINE
61	1+061.1	RT INLINE

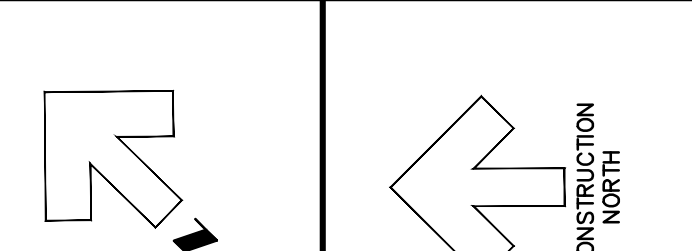
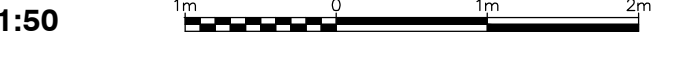
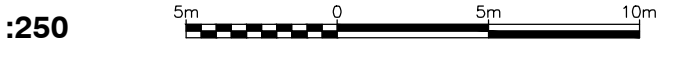
REFER TO NOTES ON DRAWING NO. 5 WHICH ALSO APPLY TO THIS DRAWING.

STORM	M.H. & C.B.	DATA (2 OF 2)
No	Station	O/S Desc. Grate
3	0+991.2	CL ADJUST 401.010B (B)
4	0+994.4	RT REMOVE
5	1+024.5	RT REMOVE
6	1+027.5	LT ADJUST REUSE (B)
8	1+032.0	RT 705.020 400.110 (S)
16	1+032.0	RT 705.020 400.110 (S)
18	0+995.2	RT 701.010 400.110 (S)
20	1+030.0	LT 705.020 400.110 (S)
22	0+985.3	RT REMOVE
23	0+975.2	RT 701.010 400.110 (S)
24	0+975.5	LT 705.010 400.110 (S)
25	0+985.2	RT 705.020 400.110 (S)

(S) DENOTES SUMP

LEGEND	
— SAN. or STM.	EXISTING SEWERS, SANITARY or STORM
— M.H. CB.	EXISTING MANHOLE and CATCHBASIN
— W—W—	EXISTING WATERMAIN, —, EXISTING FIRE HYDRANT
— G—G—	EXISTING GASMAIN (ENBRIDGE)
— T—T—	EX UNDERGROUND TELECOMMUNICATIONS (BELL, EASTLINK)
— H—H—	EX UNDERGROUND HYDRO (WELLINGTON NORTH POWER)
— F—F—	EX UNDERGROUND FIBRE OPTIC (NIGHTMAN)
— U—U—	EX UTILITY POLES
— S—S—	PROPOSED SANITARY SEWER
— P—P—	PROPOSED STORM SEWER
— W—W—	PROPOSED WATERMAIN
— R—R—	GRUBBING (TREE REMOVAL)

—	PLACE CONC. SIDEWALK AND DRIVES	—	REMOVE EXISTING CONC. SIDEWALK AND DRIVES
—	PLACE HOT MIX ASPHALT (DRIVES 50mm H.O.T. MIX MISC.)	—	REMOVE EXISTING ASPHALT
—	REINSTALL SALVAGED BRICK PAVING UNITS		
—	DROP CURB (NOT INCLUDING TAPER)		



**NOTE**  
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**BENCHMARK INFORMATION**  
B.M. ELEV 414.746  
CST Nail & Flag in NE face of hydro pole on south side of road at station 1+001 (#196 Birmingham Street)

B.M. ELEV 414.998  
CST Nail & Flag in NE face of hydro pole on south side of road at station 1+092 (#161 Fergus Street)

Design By: J.A.V. Checked By: I.S.D.

**PRELIMINARY**

No.	DATE	REVISION
1.	Apr. 21, 2023	Issued to Client for Review (Draft Design)
2.	Oct. 11, 2023	Issued to Client for Review (Draft Design)
3.	Oct. 24, 2023	Issued for Public Information Centre
4.	Oct. 26, 2023	Issued for Public Review

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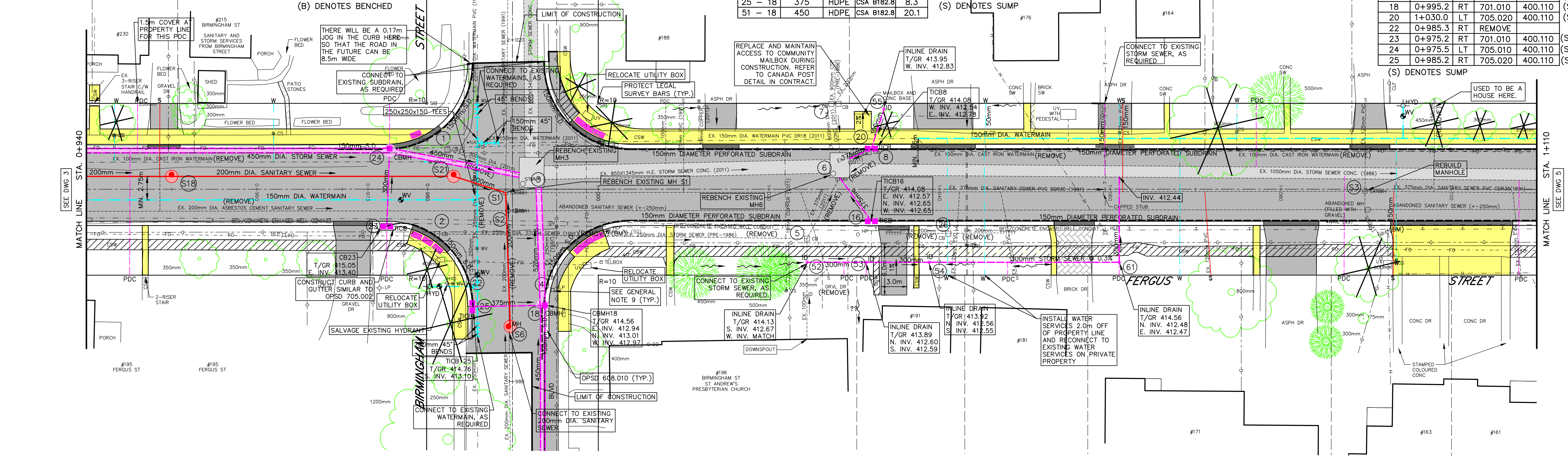
Goderich	Mount Forest	Sarnia
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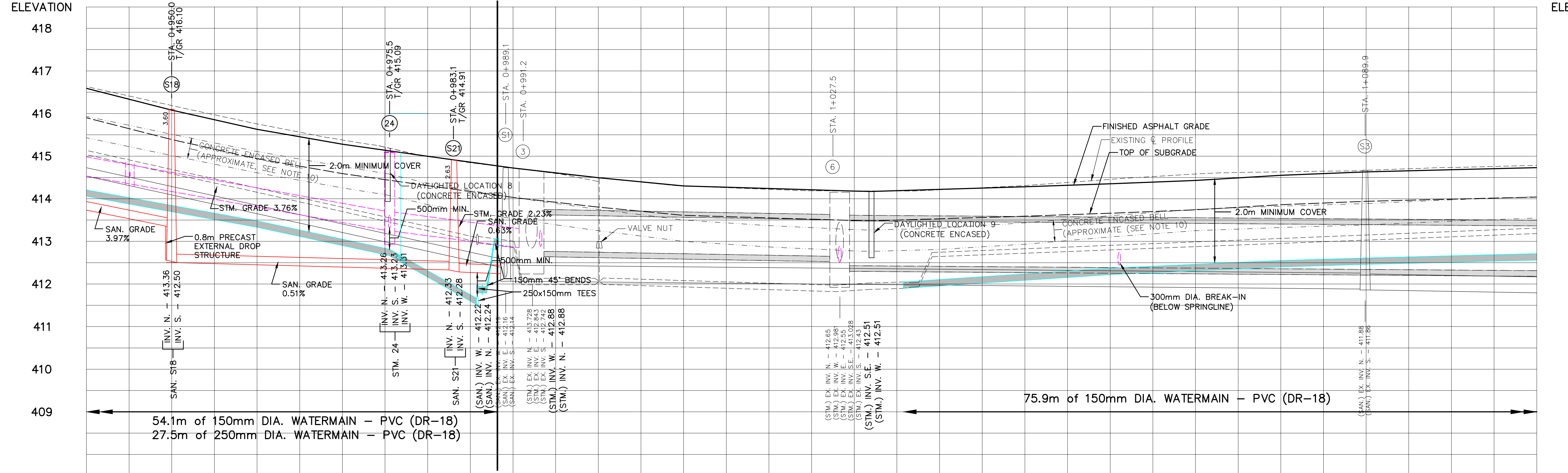
**TOWNSHIP OF WELLINGTON NORTH**  
**FERGUS STREET RECONSTRUCTION**  
Plan and Profile from Sta. 0+940 to Sta. 1+110

**Project No. 21340**

Scale (24x36)  
Horizontal : 1:250  
Vertical : 1:50  
**Drawing No. 4 of 7**

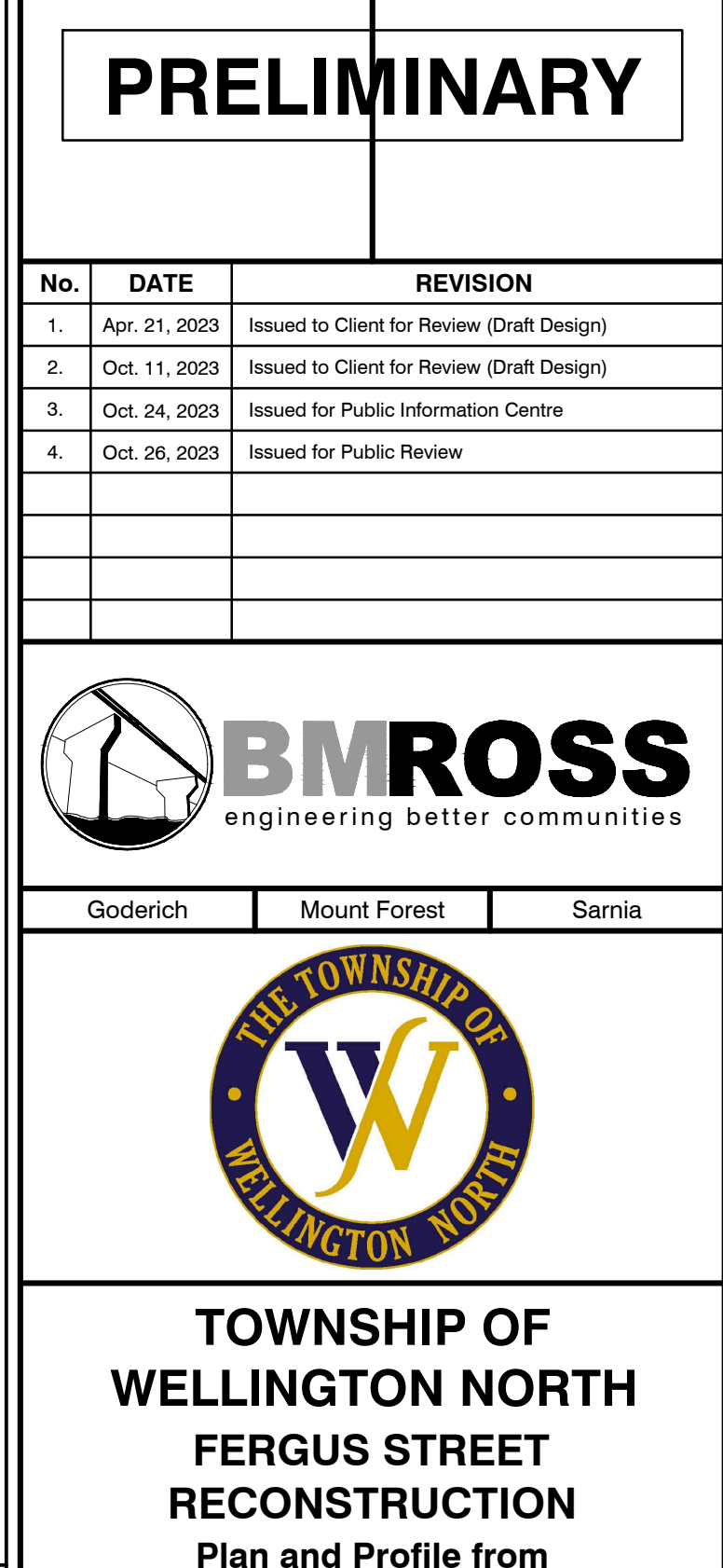
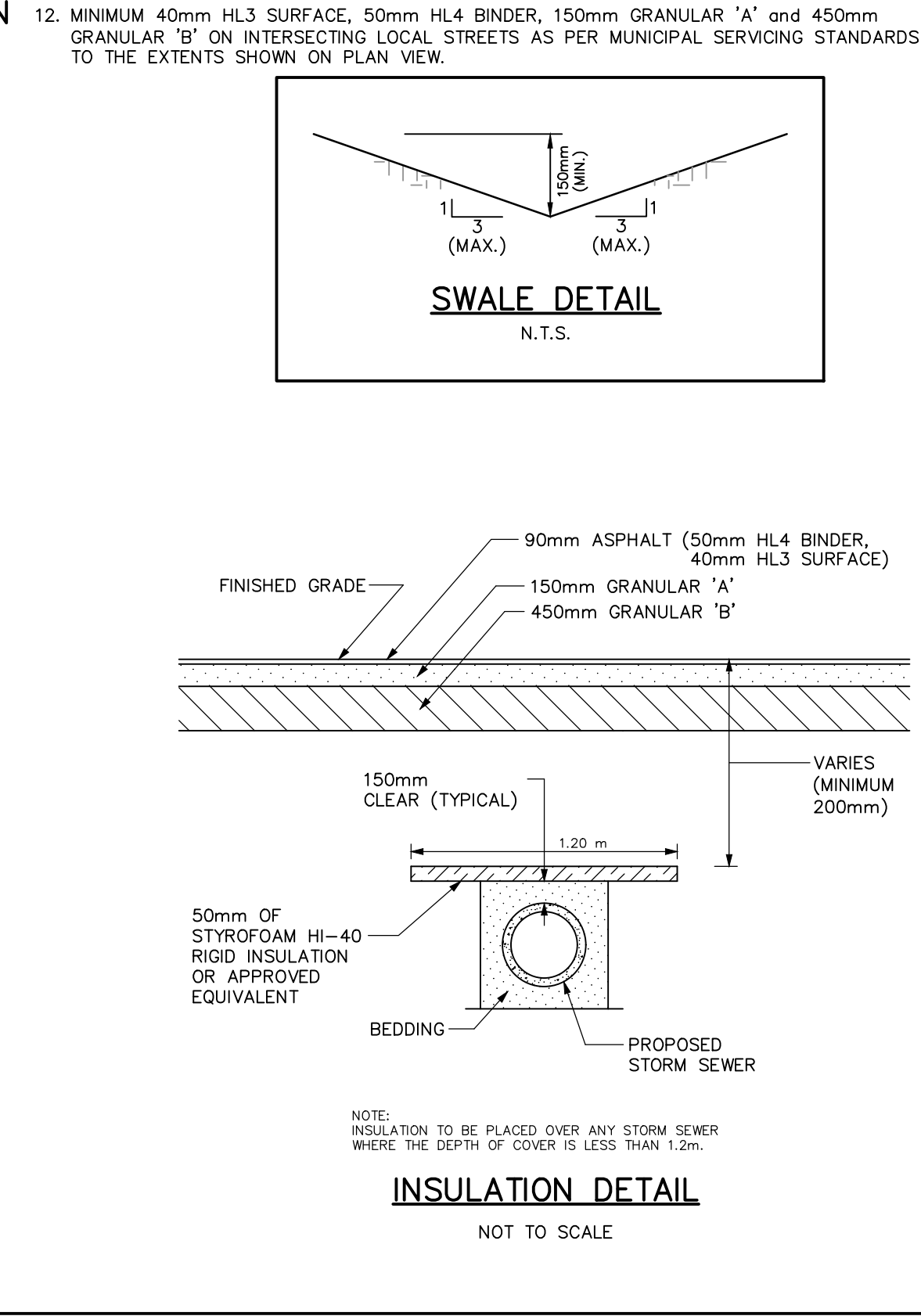
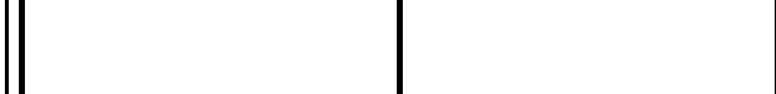
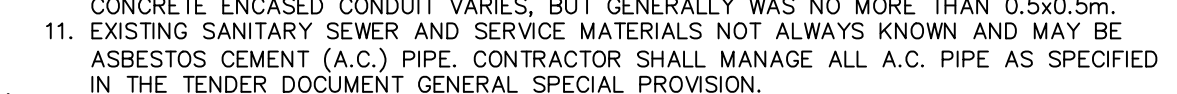
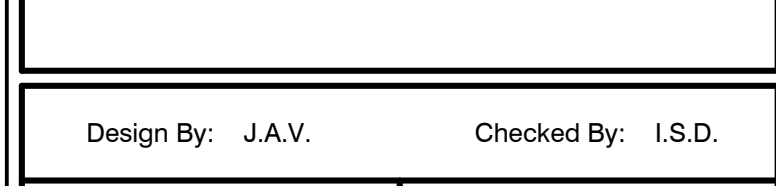
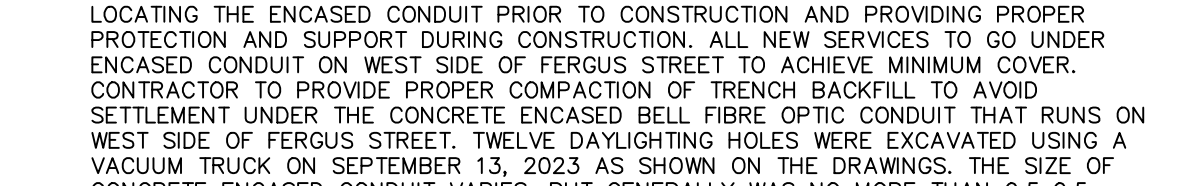
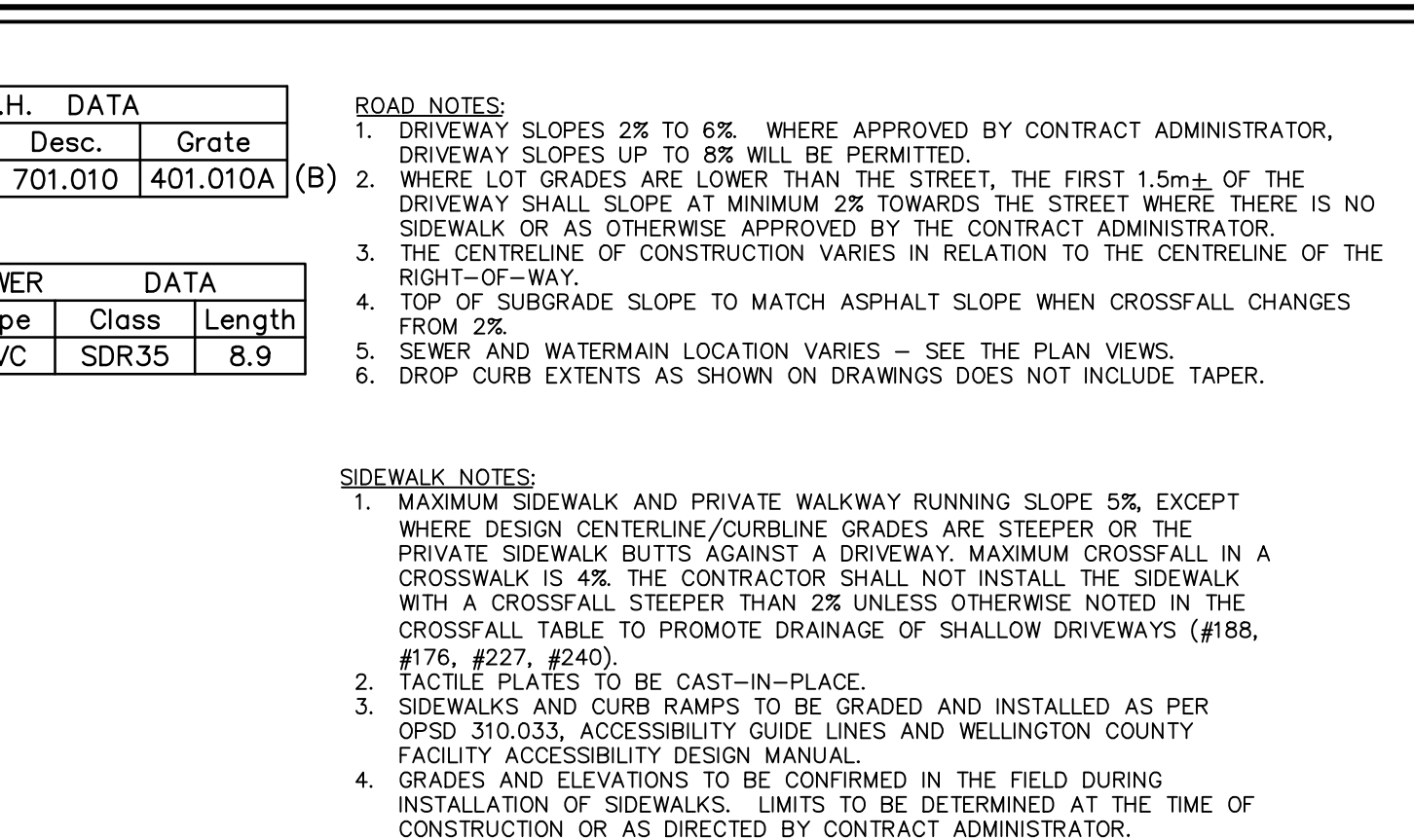


**PRELIMINARY**



FINISHED ASPHALT GRADE	416.59	416.08	415.63	415.28	415.00	414.72	414.49	414.30	414.24	414.18	414.17	414.22	414.28	414.35	414.43	414.55	414.63	414.68	414.73	FINISHED ASPHALT GRADE
EXISTING $\phi$ GRADE	416.632	416.187	415.756	415.379	414.997	414.721	414.495	414.298	414.221	414.184	414.17	414.210	414.310	414.455	414.580	414.631	414.666	414.733	414.784	EXISTING $\phi$ GRADE
STATION	0+940	0+950	0+960	0+970	0+980	0+990	1+000	1+010	1+020	1+030	1+032	1+040	1+050	1+060	1+070	1+080	1+090	1+100	1+110	STATION





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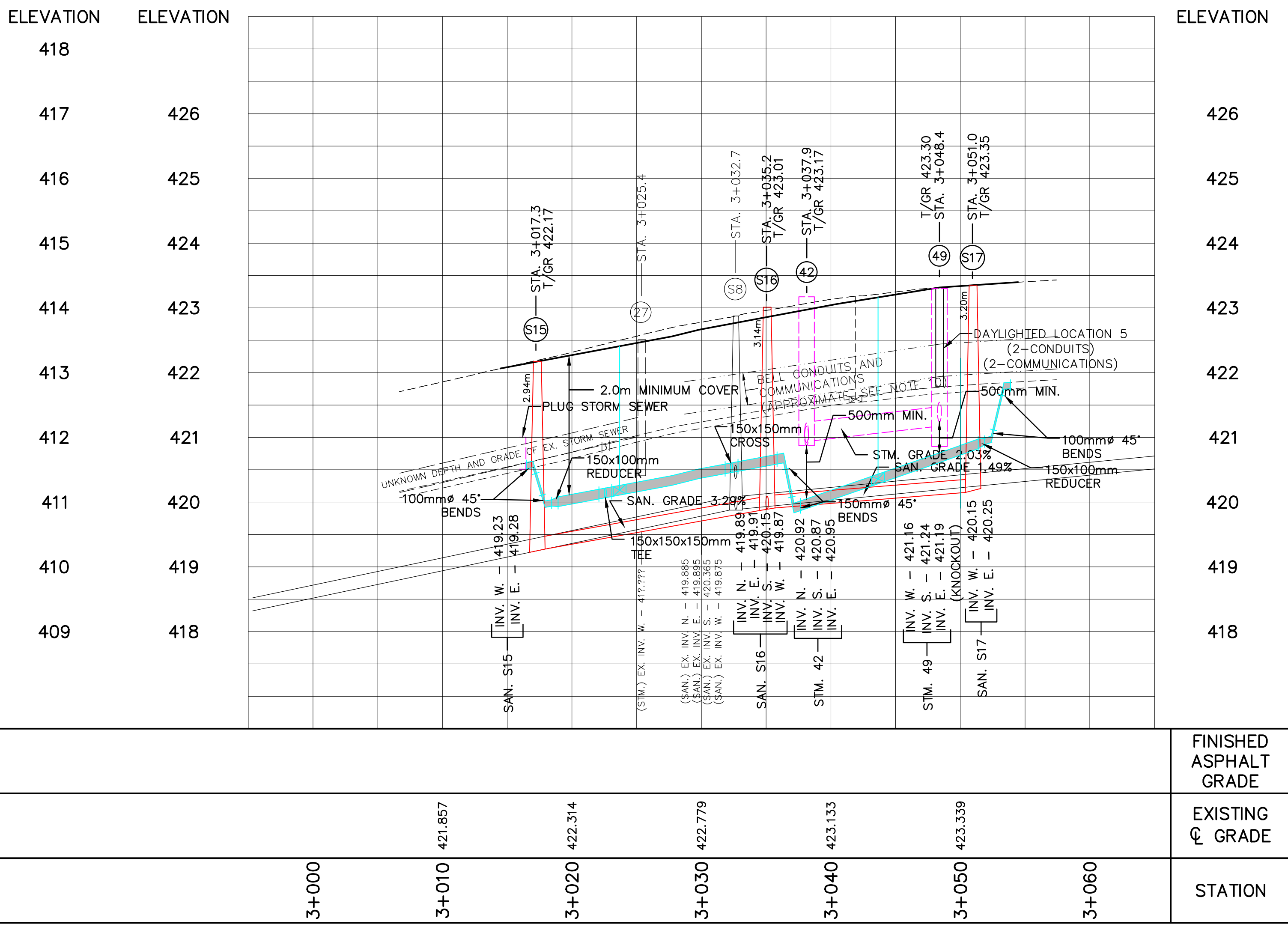
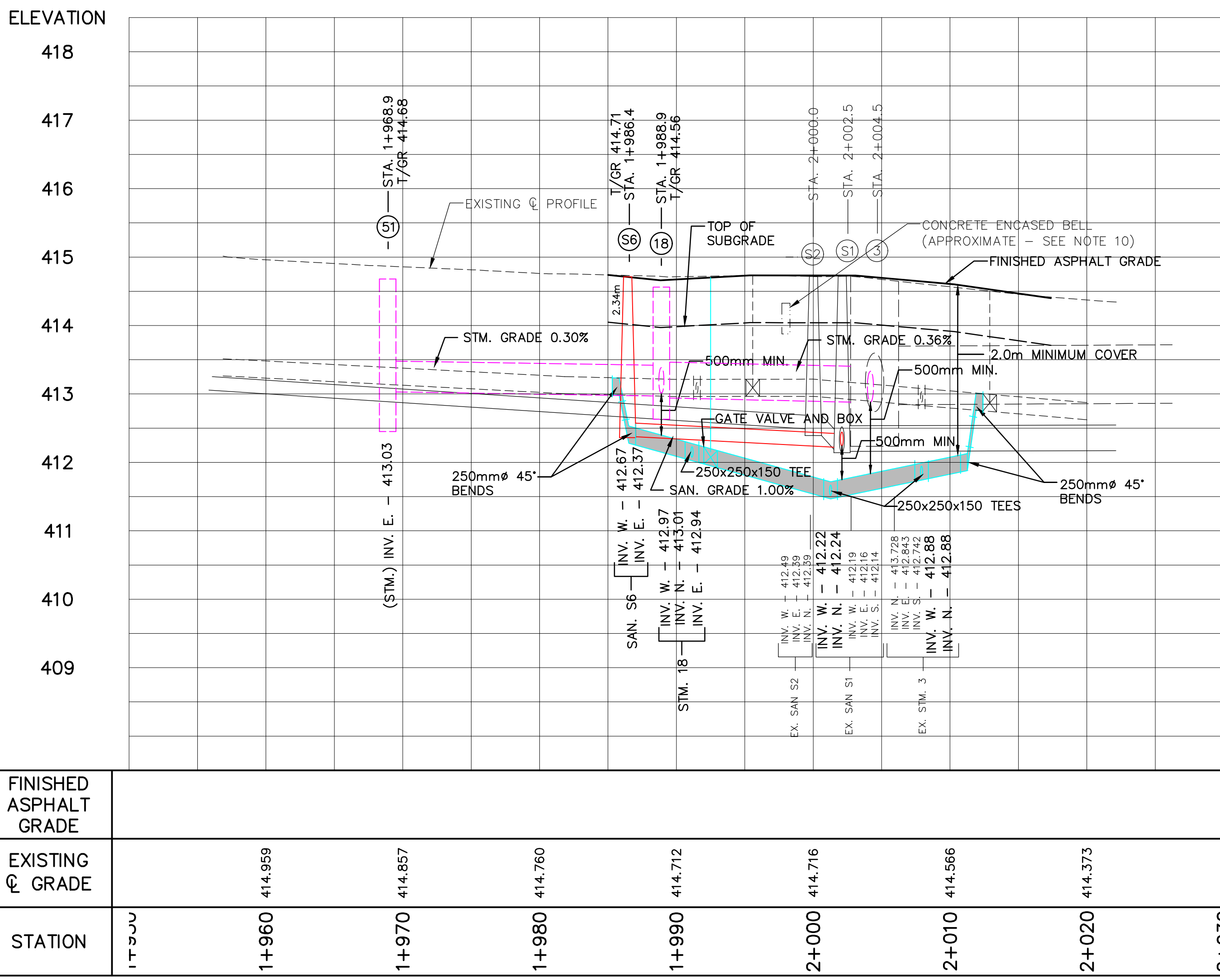
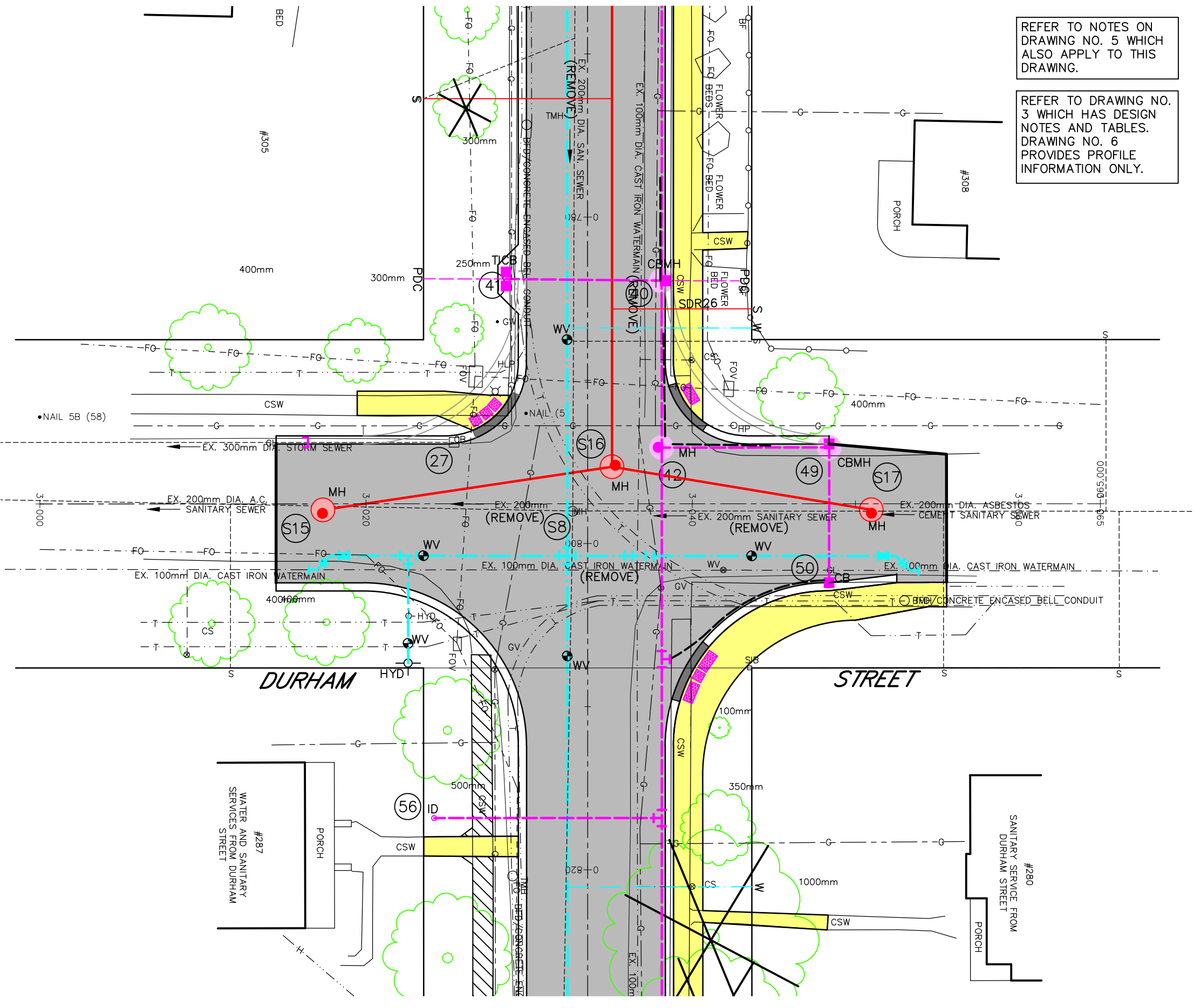
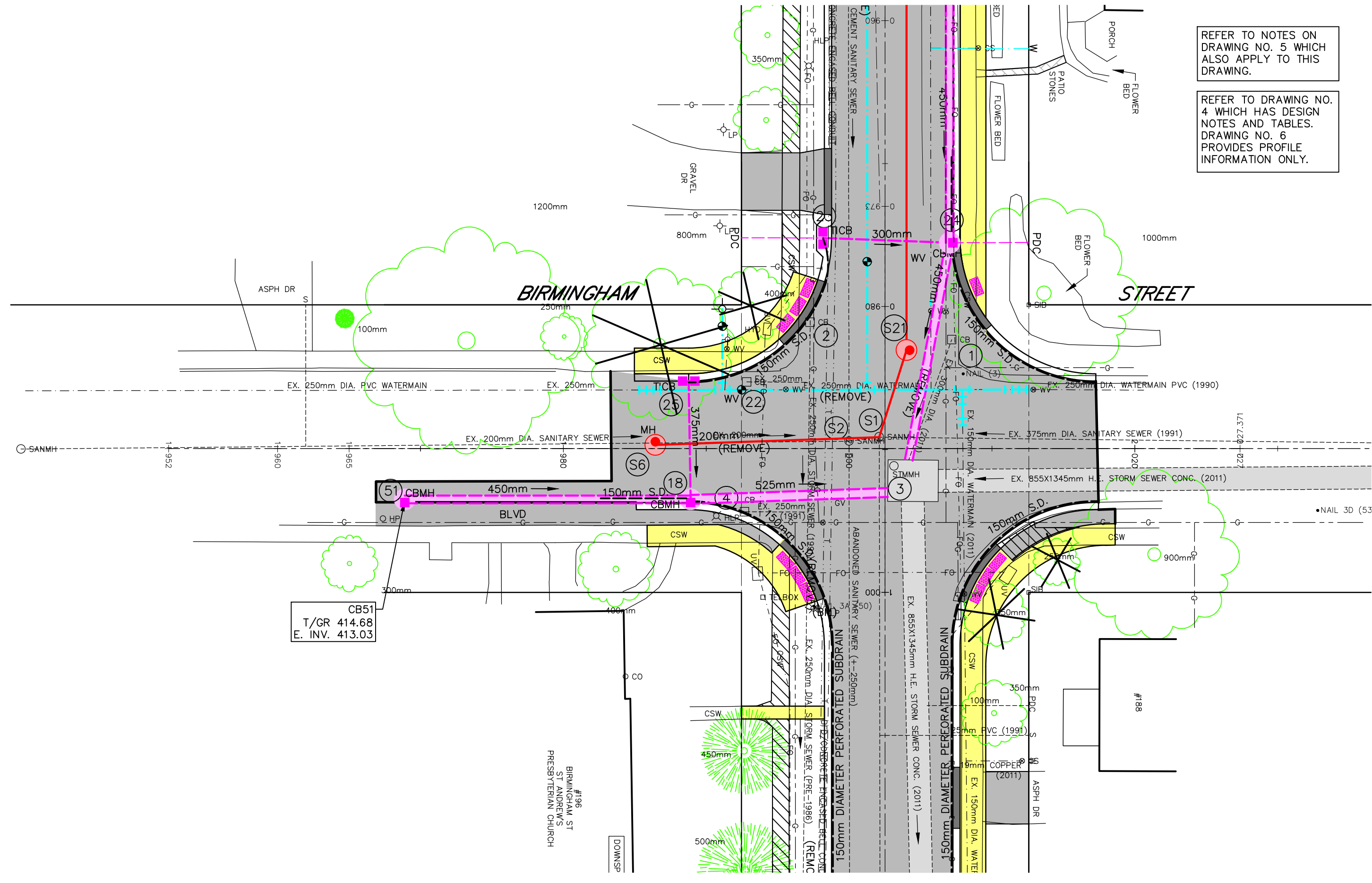
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Sta. 1 + 110 to Wellington Street	
	<b>Project No. 21340</b>
<b>Scale (24x36)</b> <b>Horizontal : 1:250</b> <b>Vertical : 1:50</b>	<b>Drawing No. 5 of 7</b>





**LEGEND**

- SAN. or STM.
- EXISTING SEWERS, SANITARY or STORM
- MANHOLE
- EXISTING MANHOLE and CATCHBASIN
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT
- EXISTING GASMAIN (ENBRIDGE)
- EXISTING UNDERGROUND TELECOMMUNICATIONS (BELL, EASTLINK)
- EXIST. UNDERGROUND HYDRO (WELLINGTON NORTH POWER)
- EXIST. UTILITY POLES
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATERMAIN
- GRUBBING (TREE REMOVAL)
- PLACE CONC. SIDEWALK AND DRIVES
- REMOVE EXISTING CONC. SIDEWALK AND DRIVES
- PLACE HOT MIX ASPHALT (DRIVES 50mm H.L.3 HOT MIX MISC.)
- REMOVE EXISTING ASPHALT
- REINSTALL SALVAGED BRICK PAVING UNITS
- DROP CURB (NOT INCLUDING TAPER)

**1:250**

**1:50**

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**BENCHMARK INFORMATION**

B.M. ELEV 414.746  
CST Nail & Flag in NE face of hydro pole on south side of road at station 1+001 (#196 Birmingham Street)

B.M. ELEV 414.998  
CST Nail & Flag in NE face of hydro pole on south side of road at station 1+092 (#161 Fergus Street)

Design By: J.A.V.      Checked By: I.S.D.

**PRELIMINARY**

No.	DATE	REVISION
1.	April 21, 2023	Issued to Client for Review (Draft Design)
2.	Oct. 11, 2023	Issued to Client for Review (Draft Design)
3.	Oct. 24, 2023	Issued for Public Information Centre
4.	Oct. 26, 2023	Issued for Public Review

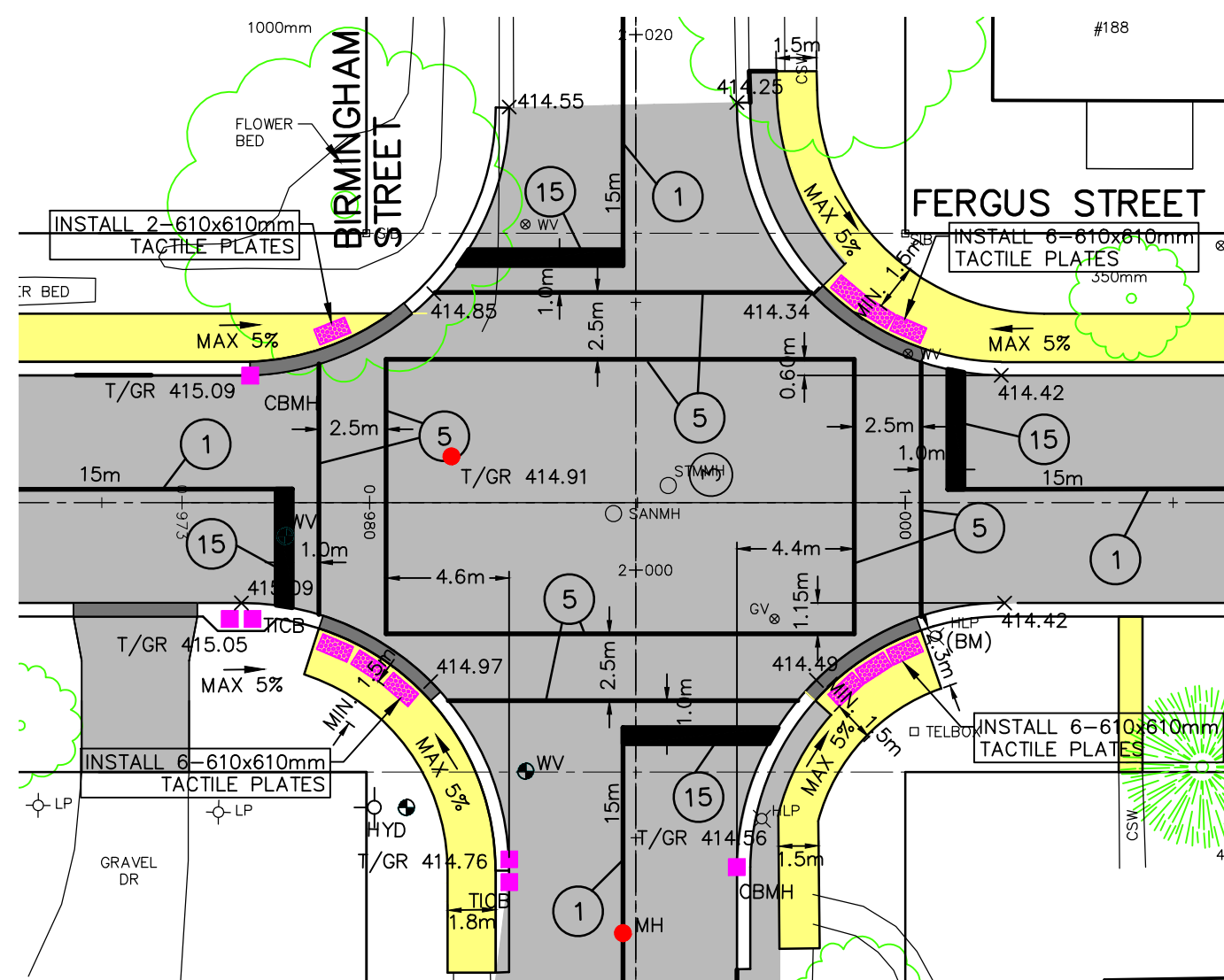
**BMROSS**  
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Goderich    Mount Forest    Sarnia

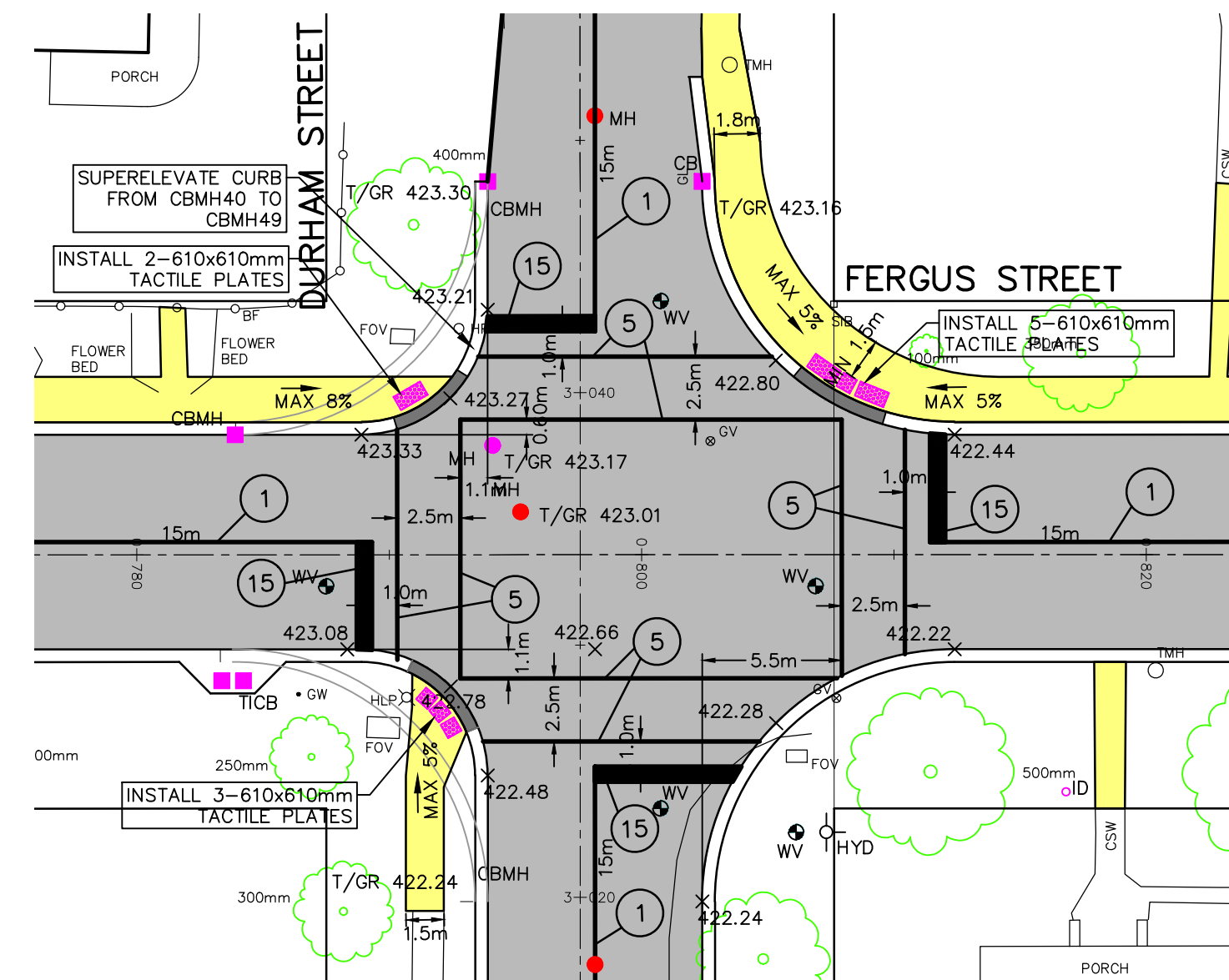
**TOWNSHIP OF WELLINGTON NORTH**  
**BIRMINGHAM AND DURAHM STREET RECONSTRUCTION**  
Plan and Profile at Intersection with Fergus Street

Project No. 21340
Drawing No. 6 of 7

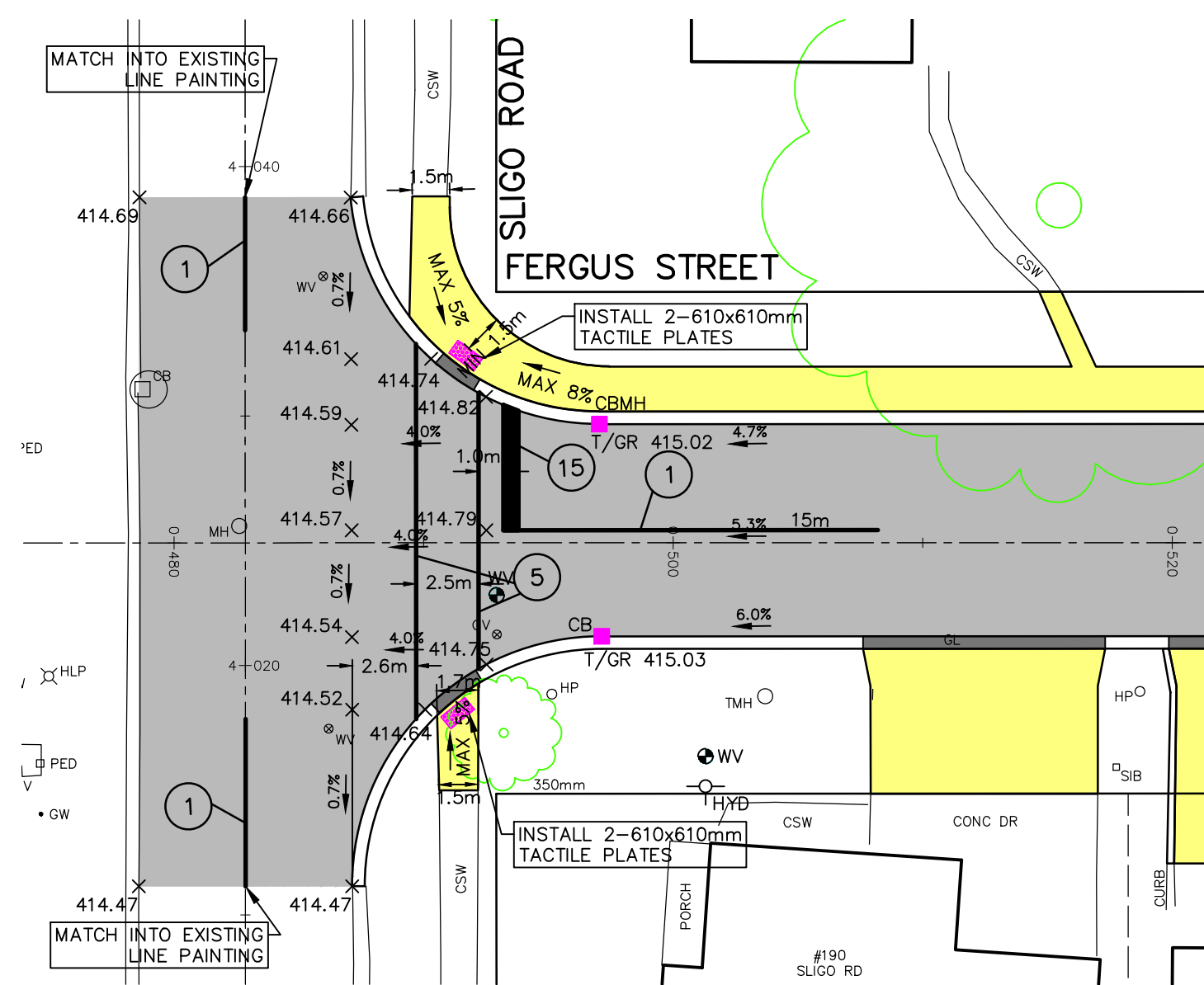




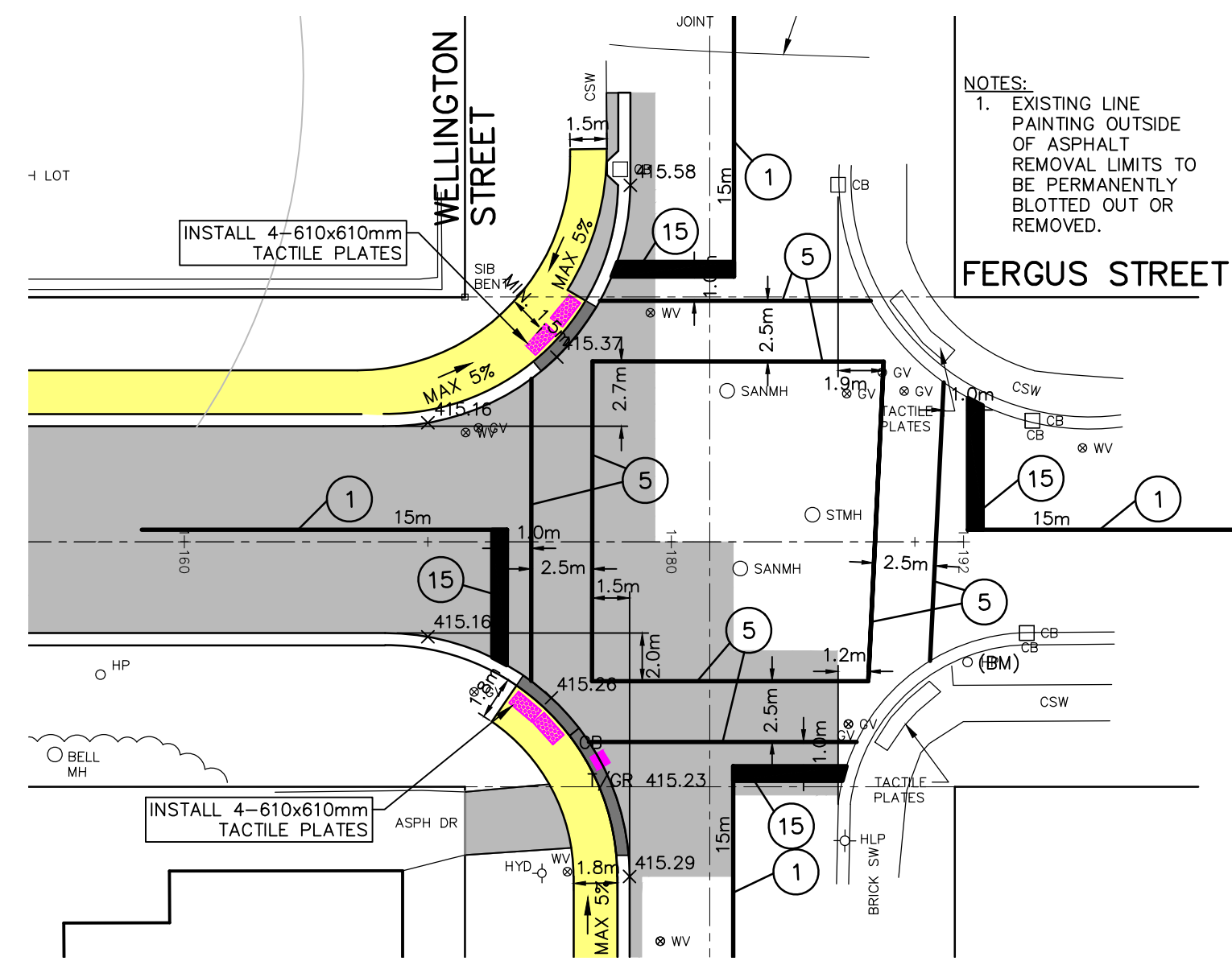
LINE PAINTING, SIDEWALK AND GRADING DETAIL  
(INTERSECTION OF FERGUS STREET NORTH AND  
BIRMINGHAM STREET)



LINE PAINTING, SIDEWALK AND GRADING DETAIL  
(INTERSECTION OF FERGUS STREET NORTH AND  
DURHAM STREET)

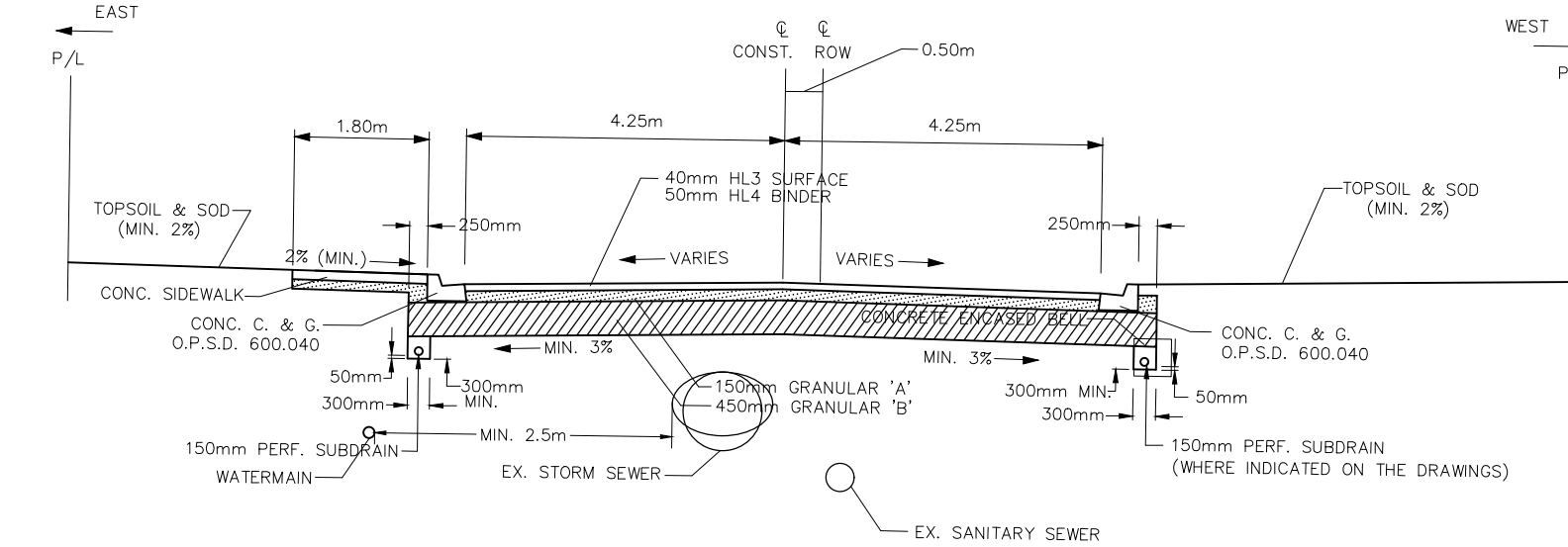


LINE PAINTING, SIDEWALK AND GRADING DETAIL  
(INTERSECTION OF FERGUS STREET NORTH AND  
SLIGO ROAD)

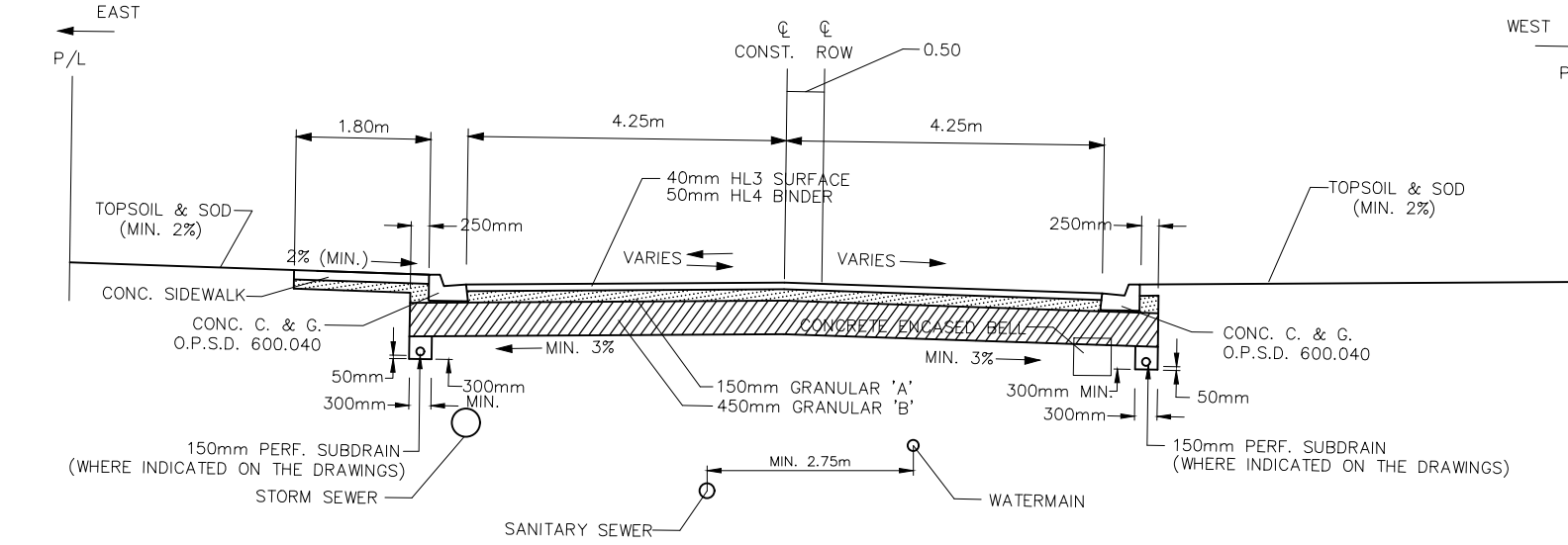


LINE PAINTING, SIDEWALK AND GRADING DETAIL  
(INTERSECTION OF FERGUS STREET NORTH AND  
WELLINGTON STREET)

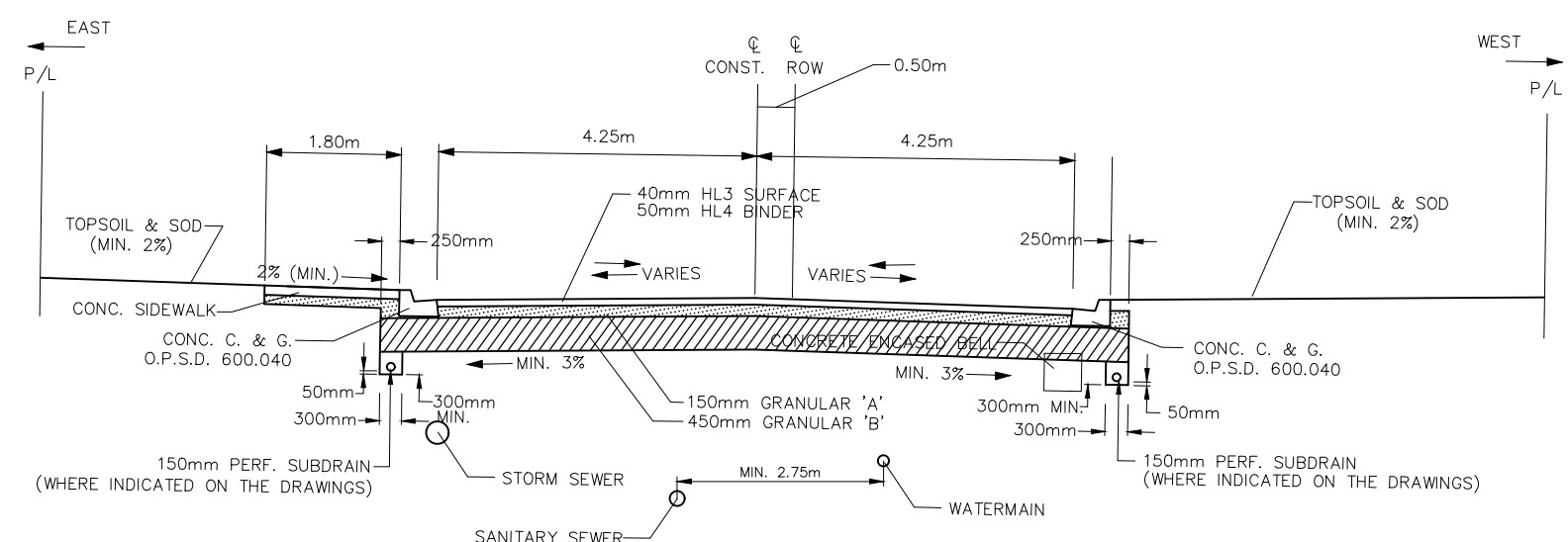
**PRELIMINARY**



**TYPICAL SECTION**  
FERGUS STREET NORTH  
WELLINGTON STREET TO BIRMINGHAM STREET  
N.T.S.



**TYPICAL SECTION**  
FERGUS STREET NORTH  
BIRMINGHAM STREET TO DURHAM STREET  
N.T.S.



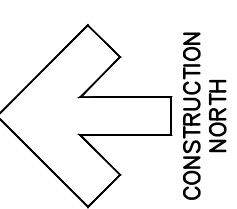
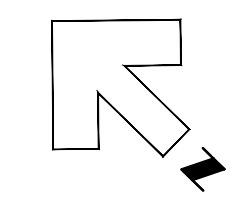
**TYPICAL SECTION**  
FERGUS STREET NORTH  
DURHAM STREET TO SLIGO ROAD  
N.T.S.

# LEGEND

1. SOLID YELLOW, 10cm
2. SOLID DOUBLE YELLOW, 10cm
3. 363 BROKEN YELLOW, 10cm
4. SOLID YELLOW, 20cm
5. SOLID WHITE, 10cm
6. 333 BROKEN WHITE, 10cm
7. 363 BROKEN WHITE, 10cm
8. 393 BROKEN WHITE, 10cm
9. SOLID WHITE, 20cm
10. 111 BROKEN WHITE, 20cm
11. 333 BROKEN WHITE, 20cm
12. 333 BROKEN WHITE, 30cm
13. SOLID WHITE, 30cm
14. SOLID WHITE, 45cm
15. SOLID WHITE, 60cm
20. SYMBOLS

NOTES (LINE PAINTING DRAWING)  
1. 333, 363, 393, DENOTES PAVEMENT MARKING SPACING (e.g. 3m line, 3m gap, 3m line)  
2. USE (1) TO DENOTE PAVEMENT MARKING  
3. USE (1) TO DENOTE PAVEMENT MARKING, DURABLE  
4. LINE PAINTING AT SIDE STREETS TO CONFORM TO OTM BOOK 11 FIGURE 31.

- CONC. CURB (NOT INCLUDING TAPER)
- PLACE CONC. SIDEWALK AND DRIVES  
PLACE HOT MIX ASPHALT (80mm HL-3 HOT MIX MISC. FOR DRIVEWAYS)
- 610x110mm CLAY RED CAST IRON TACTILE PLATE



1:250 5m 0 5m 10m

Design By: J.A.V.

Checked By: I.S.D.

**PRELIMINARY**

No.	DATE	REVISION
1.	Apr. 21, 2023	Issued to Client for Review (Draft Design)
2.	Oct. 11, 2023	Issued to Client for Review (Draft Design)
3.	Oct. 24, 2023	Issued for Public Information Centre
4.	Oct. 28, 2023	Issued for Public Review



Goderich Mount Forest Sarnia



**TOWNSHIP OF  
WELLINGTON NORTH**  
**FERGUS STREET  
RECONSTRUCTION**  
Typical Sections, and Line Painting,  
Sidewalk and Grading Details

Project No.  
21340

Scale (24x36)

1:250

Drawing No.  
7 of 7