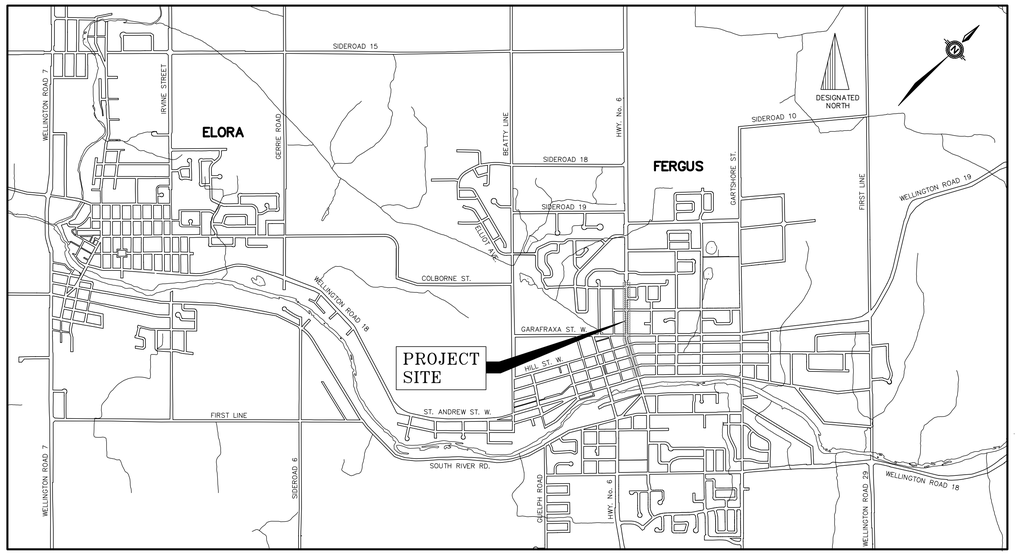


KEY PLAN – CENTRE WELLINGTON

Township of
Centre Wellington

Centre Wellington

RECONSTRUCTION OF
ST. DAVID ST. N. (HWY. 6) (FERGUS)

LIST OF DRAWINGS

01 – PLAN AND PROFILE
ST. ANDREW ST. TO ST. PATRICK ST.

02 – PLAN AND PROFILE
ST. PATRICK ST. TO 60m N. OF ST. GEORGE ST.

03 – PLAN AND PROFILE
60m N. OF ST. GEORGE ST. TO GARAFRAXA ST.

04 – PLAN AND PROFILE
GARAFRAXA STREET TO STA. 1+520

05 – PLAN AND PROFILE
STA. 1+520 TO STA. 1+700

06 – PLAN AND PROFILE
BERGIN AVE. TO EDINBURGH ST.

07 – TYPICAL SECTIONS AND DETAILS

08 – TYPICAL SECTIONS AND DETAILS

09 – SIGNALIZATION PLAN
ST. DAVID STREET AND GARAFRAXA STREET

GP-01 – GRADING PLAN
ST. ANDREW ST. TO 60m S. OF HILL ST.

GP-02 – GRADING PLAN
60m S. OF HILL ST. TO GARAFRAXA ST.

GP-03 – GRADING PLAN
GARAFRAXA STREET TO STA. 1+520

GP-04 – GRADING PLAN
STA. 1+520 TO EDINBURGH ST.

UP-01 – UTILITY PLAN
ST. ANDREW ST. TO 60m S. OF HILL ST.

UP-02 – UTILITY PLAN
60m S. OF HILL ST. TO GARAFRAXA ST.

UP-03 – UTILITY PLAN
GARAFRAXA STREET TO STA. 1+520

UP-04 – UTILITY PLAN
STA. 1+520 TO EDINBURGH ST.

PM-01 – PAVEMENT MARKING PLAN
ST. ANDREW ST. TO 60m S. OF HILL ST.

PM-02 – PAVEMENT MARKING PLAN
60m S. OF HILL ST. TO GARAFRAXA ST.

PM-03 – PAVEMENT MARKING PLAN
GARAFRAXA STREET TO STA. 1+520

PM-04 – PAVEMENT MARKING PLAN
STA. 1+520 TO EDINBURGH ST.

PROJECT No. M6148

CONTRACT No. RFT-12-24

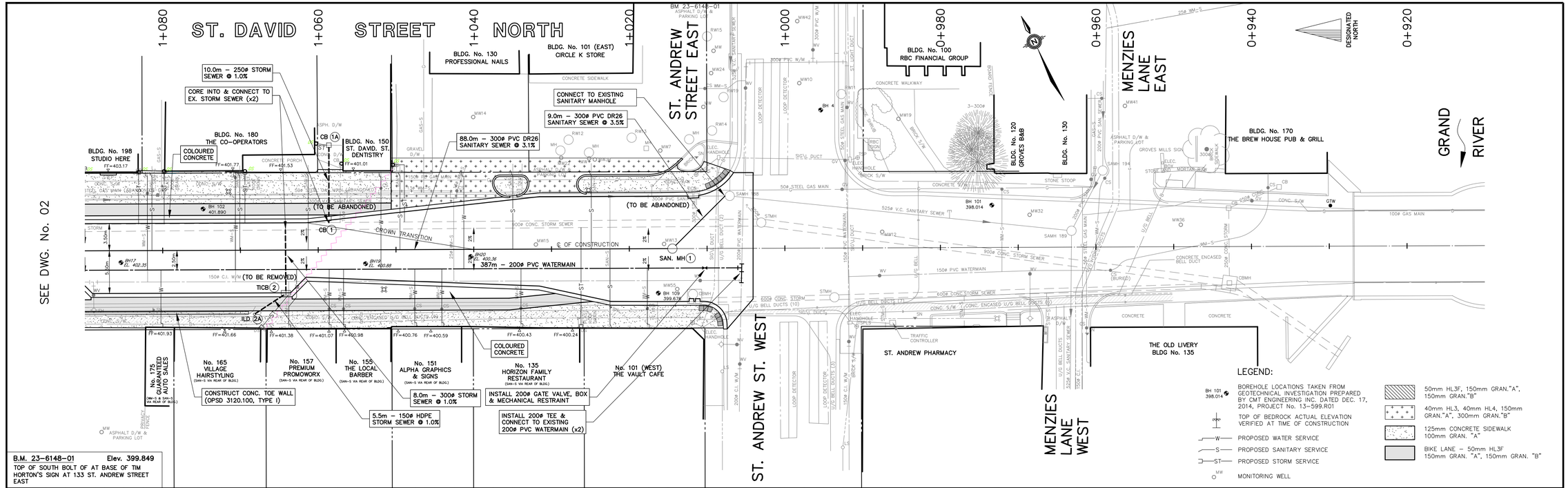
Mayor:
SHAWN WATTERS

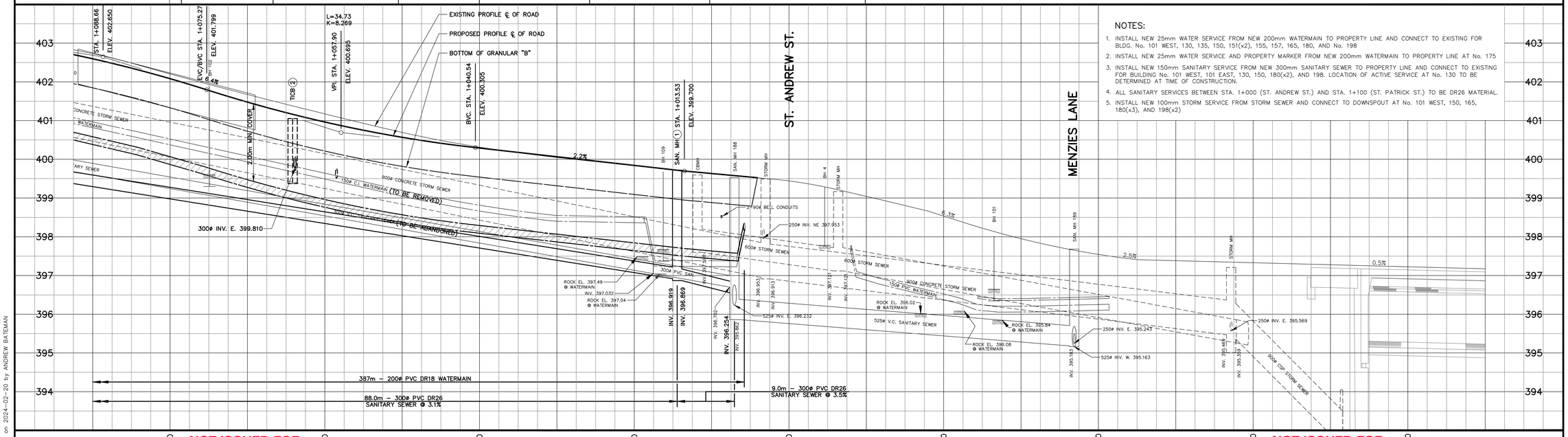
Chief Administrative Officer:
DAN WILSON

ISSUED FOR TENDER – FEB. 2024
ISSUED FOR CONSTRUCTION –
RECORDED INFORMATION –

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers
Fergus, Ontario

M6148 COVER.DWG Plotted on 2024-02-14 by ANDREW BATEMAN





NOTES:

1. INSTALL NEW 25mm WATER SERVICE FROM NEW 200mm WATERMAIN TO PROPERTY LINE AND CONNECT TO EXISTING FOR BLDG. No. 101 WEST, 130, 135, 150, 151(x2), 155, 157, 165, 180, AND No. 198
2. INSTALL NEW 25mm WATER SERVICE AND PROPERTY MARKER FROM NEW 200mm WATERMAIN TO PROPERTY LINE AT No. 175
3. INSTALL NEW 150mm SANITARY SERVICE FROM NEW 300mm SANITARY SEWER TO PROPERTY LINE AND CONNECT TO EXISTING FOR BUILDING No. 101 WEST, 101 EAST, 130, 150, 180(x2), AND 198. LOCATION OF ACTIVE SERVICE AT No. 130 TO BE DETERMINED AT TIME OF CONSTRUCTION.
4. ALL SANITARY SERVICES BETWEEN STA. 1+000 (ST. ANDREW ST.) AND STA. 1+100 (ST. PATRICK ST.) TO BE DR26 MATERIAL.
5. INSTALL NEW 100mm STORM SERVICE FROM STORM SEWER AND CONNECT TO DOWNSPOUT AT No. 101 WEST, 150, 165, 180(x3), AND 198(x2)

NOT ISSUED FOR CONSTRUCTION

NOT ISSUED FOR CONSTRUCTION

NOTES

THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE.

No	DATE	REVISION	INITIAL
1.	FEB. 2024	ISSUED FOR TENDER	d.g.d.

LICENSED PROFESSIONAL ENGINEER — A.S. BATEMAN — 90907052 — FEB 14/24 — PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER — D.G. DONALDSON — FEB 14/24 — PROVINCE OF ONTARIO

RECONSTRUCTION OF

ST. DAVID ST. N. (HWY. 6)

(FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

PLAN AND PROFILE
ST. ANDREW ST. TO ST. PATRICK ST.

CONTRACT No.	RFT-12-24
PROJECT No	M6148
DRAWN BY:	A.S.B. (MACAD)
CHECKED BY:	D.G.D.
APPROVED BY:	D.G.D.
DATE:	SEPTEMBER, 2020

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES

1:250 HORIZONTAL	1:50 VERTICAL

DRAWING NUMBER **01**

M6148 M6149 ACAD BASE.DWG Plotted on 2024-02-20 by ANDREW BATEMAN

B.M. 23-6148-02 Elev. 404.478
NAIL AND WASHERS IN WEST FACE OF HYDRO POLE ON NORTH EAST CORNER OF ST. PATRICK STREET AND ST. DAVID STREET

B.M. 23-6148-03 Elev. 408.104
NORTH CORNER OF CONCRETE PORCH AT HOUSE No. 298 ST. DAVID STREET

SEE DWG. No. 03

SEE DWG. No. 01

1+260 1+240 1+220 1+200 1+180 1+160 1+140 1+120 1+100 1+080

ST. GEORGE STREET EAST

ST. DAVID STREET NORTH

ST. PATRICK STREET EAST

ST. GEORGE STREET WEST

ST. PATRICK STREET WEST

LOT No. 115

CONNECT TO EXISTING 225ø V.C. SANITARY SEWER

CONNECT TO EXISTING 375ø C.P. STORM SEWER

5.0m – 375ø STORM SEWER – INV. TO MATCH EXISTING

13.0m – 250ø PVC SANITARY SEWER @ 1.7%

8.0m – 250ø STORM SEWER @ 1.0%

1.0m – 300ø STORM SEWER

CORE INTO & CONNECT TO EX. 825ø CONC. STORM SEWER

8.0m – 450ø CONC. STORM SEWER @ 2.0%

102.0m – 300ø PVC SANITARY SEWER @ 4.2%

INSTALL 2–45° BENDS & CONNECT TO EXISTING 150ø C.I. WATERMAIN

INSTALL 150ø GATE VALVE, BOX & MECHANICAL RESTRAINT

CONNECT TO EXISTING C.I.P. STORM MH

HSE. No. 298 (NM–S VIA ST. GEORGE ST.)

INTERNAL GASKET REPAIR

CONSTRUCT 3 CONCRETE STEPS

CORE INTO & CONNECT TO EX. 900ø CONC. STORM SEWER

HSE. No. 270

HSE. No. 240

98.0m – 300ø PVC SANITARY SEWER @ 3.2%

8.5m – 300ø STORM SEWER @ 2.7%

HSE. No. 240A

CONNECT TO EXISTING V.C. SANITARY SEWER

10.0m – 375ø STORM SEWER @ 5.4%

11.0m – 250ø PVC SANITARY SEWER @ 2.7%

CORE INTO & CONNECT TO EXISTING CONC. STORM SEWER

CONNECT TO EXISTING CONC. STORM SEWER

HSE. No. 200 (NM–S VIA ST. PATRICK ST.)

BM 23-6148-02

5.0m – 250ø PVC SANITARY SEWER @ 17%

8.0m – 300ø STORM SEWER @ 1.0%

CONNECT TO EXISTING 150ø C.I. WATERMAIN

INSTALL 2–45° BENDS & MECHANICAL RESTRAINTS

INSTALL 150ø GATE VALVE, BOX & MECHANICAL RESTRAINT

CONSTRUCT 1 CONCRETE STEP

BLDG. No. 198 STUDIO HERE FF=403.17

COLOURED CONCRETE

CONSTRUCT CONC. TOE WALL (OPSD 3120.100, TYPE I)

INSTALL HYDRANT SET

INSTALL 200x150ø TEES & MECHANICAL RESTRAINTS

INSTALL 2–45° BENDS & MECHANICAL RESTRAINTS

No. 175 FORMER AUTO SALES (NM–E SIDE OF WM HEAD OF ROAD)

387m – 200ø PVC WATERMAIN

150ø C.I. W/M (TO BE REMOVED)

(TO BE ABANDONED)

(TO BE REMOVED)

12m – 150ø PVC WATERMAIN (TO BE REMOVED)

18m – 150ø PVC WATERMAIN (TO BE REMOVED)

CROWN TRANSITION

SICB 8

TICB 8A

TICB 7

TICB 5

TICB 4A

SAN. MH 3

SAN. MH 3A

TICBMH 6

CB 6A

SAN. MH 2

SAN. MH 2A

SAN. MH 2B

TICB 3A

CBMH 3

TICB 4

COLOURED CONCRETE

REPLACE EXISTING CSP ARCH STORM SEWERS WITH 680x500mm CSP ARCH & CONNECT TO EX. STORM MH (x4)

INSTALL 200x150ø TEES & MECHANICAL RESTRAINTS

6.0m – 200ø PVC SANITARY SEWER @ 2.0% & CONNECT TO EX. 200ø PVC SANITARY SEWER

HSE. No. 285

HSE. No. 265

7.5m – 300ø STORM SEWER @ 3.2%

INSTALL 200ø GATE VALVE, BOX & MECHANICAL RESTRAINT

COLOURED CONCRETE

INSTALL 150ø GATE VALVE, BOX & MECHANICAL RESTRAINT

CONNECT TO EXISTING 150ø C.I. WATERMAIN

BLDG. No. 245 ECCLESTONE FINANCIAL GROUP INC

HSE. No. 365

HSE. No. 351

7.5m – 300ø STORM SEWER @ 3.7%

8.0m – 300ø STORM SEWER @ 5.5%

INSTALL 200ø GATE VALVE, BOX & MECHANICAL RESTRAINT

BLDG. No. 115 (NM–S VIA ST. GEORGE ST.)

INSTALL HYDRANT SET

INSTALL 150ø GATE VALVE, BOX & MECHANICAL RESTRAINT

CONNECT TO EXISTING 150ø C.I. WATERMAIN

LEGEND:

BH 101 398.014 — BOREHOLE LOCATIONS TAKEN FROM GEOTECHNICAL INVESTIGATION PREPARED BY CMT ENGINEERING INC. DATED DEC. 17, 2014, PROJECT No. 13-599.R01

25 — TOP OF BEDROCK ACTUAL ELEVATION VERIFIED AT TIME OF CONSTRUCTION

MW — MONITORING WELL

50mm HL3F, 150mm GRAN."A", 150mm GRAN."B"

BRICK PAVERS, 30mm SAND BASE, 200mm GRAN."A"

125mm CONCRETE SIDEWALK 100mm GRAN. "A"

BIKE LANE – 50mm HL3F 150mm GRAN. "A", 150mm GRAN. "B"

W — PROPOSED WATER SERVICE

S — PROPOSED SANITARY SERVICE

ST — PROPOSED STORM SERVICE

TACTILE PLATE

JL — APPROXIMATE TREE PLANTING LOCATION WITH EXTENT OF SOIL CELL; TREE SPECIES – REFER TO CONTRACT DOCUMENTS

TREE PROTECTION

411 410 409 408 407 406 405 404 403 402 401 400

STA. 1+239.50 ELEV. 408.980

5.6%

4.7%

4.0%

4.4%

3.6%

STA. 1+208.01 ELEV. 407.490

STA. 1+167.10 ELEV. 405.835

STA. 1+112.00 ELEV. 403.406

SAN. MH 2 ENC. STA. 1+102.06 ELEV. 403.052

STA. 1+088.66 VPI. STA. 1+088.66 ELEV. 402.650

L=26.79 K=5.568

EXISTING PROFILE ℄ OF ROAD

PROPOSED PROFILE ℄ OF ROAD

BOTTOM OF GRANULAR "B"

1500 C.I. W/M (TO BE REMOVED)

825ø CONCRETE STORM SEWER

300ø V.C. SANITARY SEWER (TO BE ABANDONED)

450ø INV. E. 405.585

300ø INV. W. 405.350

1200x900mm PIPE ARCH

300ø INV. 404.610

225ø INV. E. 404.540

250ø INV. E. 404.474

INSTALL INTERNAL DROP STRUCTURE (OPSD 1003.033) ON NORTH & EAST SIDE

200ø INV. W. 403.166

INV. 404.474

INV. 403.042

INV. 403.190

INV. 404.794

INV. 404.774

INV. 405.138

LOWER PROPOSED WATERMAIN AS NECESSARY TO MAINTAIN 0.5m VERTICAL SEPARATION BETWEEN TOP OF WATERMAIN AND INVERTS OF SEWER CROSSINGS

2x9.0m – 680x500mm PVC CSP ARCH STORM SEWER INVERTS TO MATCH EXISTING

102.0m – 300ø PVC DR35 SANITARY SEWER @ 4.2%

387m – 200ø PVC DR18 WATERMAIN

300ø INV. E. 403.830

900ø CONCRETE STORM SEWER

150ø V.C. SANITARY SEWER (TO BE ABANDONED)

300ø INV. E. 401.900

CONNECT TO EX. 900ø STORM SEWER AT EX OPENING INVERT TO BE DETERMINED AT TIME OF CONSTRUCTION

INV. 400.338

INV. 400.338

INV. 400.240

INV. 400.160

250ø INV. E. 400.270

INV. 399.940

INV. 399.690

98.0m – 300ø PVC DR35 SANITARY SEWER @ 3.2%

88.0m – 300ø PVC DR26 SANITARY SEWER @ 3.1%

200ø INV. SE 401.670

150ø INV. 401.530

225ø INV. E. 401.530

LOWER PROPOSED WATERMAIN AS NECESSARY TO MAINTAIN 0.5m VERTICAL SEPARATION BETWEEN TOP OF WATERMAIN AND INVERTS OF SEWER CROSSINGS

NOTES:

1. INSTALL NEW 25mm WATER SERVICE AND PROPERTY MARKER FROM NEW 200mm WATERMAIN TO PROPERTY LINE AT STA. 1+122 LT.
2. INSTALL NEW 25mm WATER SERVICE FROM NEW 200mm WATERMAIN TO PROPERTY LINE AND CONNECT TO EXISTING AT BLDG. No. 240, 245(x2), 265, 270, 285, 351, AND 365
3. INSTALL NEW 150mm SANITARY SERVICE AND PROPERTY MARKER FROM NEW 300mm SANITARY SEWER TO PROPERTY LINE AT STA. 1+120 LT.
4. INSTALL NEW 150mm SANITARY SERVICE FROM NEW 300mm SANITARY SEWER TO PROPERTY LINE AND CONNECT TO EXISTING FOR BLDG. No. 245
5. INSTALL NEW 100mm SANITARY SERVICE FROM NEW 300mm SANITARY SEWER TO PROPERTY LINE AND CONNECT TO EXISTING AT HOUSE No. 240, 265, 270, 285(x2), 298, 115(x2), 351, AND 365
6. LOCATION AND SIZE OF EXISTING SANITARY SERVICE FOR No. 200, 270, AND 298 IS TO BE VERIFIED AT TIME OF CONSTRUCTION.
7. INSTALL NEW 100mm STORM SERVICE FROM STORM SEWER AND CONNECT TO DOWNSPOUT AT No. 265

NOT ISSUED FOR CONSTRUCTION

NOTES

THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE.

No	DATE	REVISION	INITIAL
1.	FEB. 2024	ISSUED FOR TENDER	d.g.d.

A.S. BATEMAN 90907052 FEB 16/24

G.D. DONALDSON PROVINCE OF ONTARIO Feb 16/24

NOT ISSUED FOR CONSTRUCTION

RECONSTRUCTION OF

ST. DAVID ST. N. (HWY. 6)

(FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

PLAN AND PROFILE
ST. PATRICK ST. TO 60m N. OF ST. GEORGE ST.

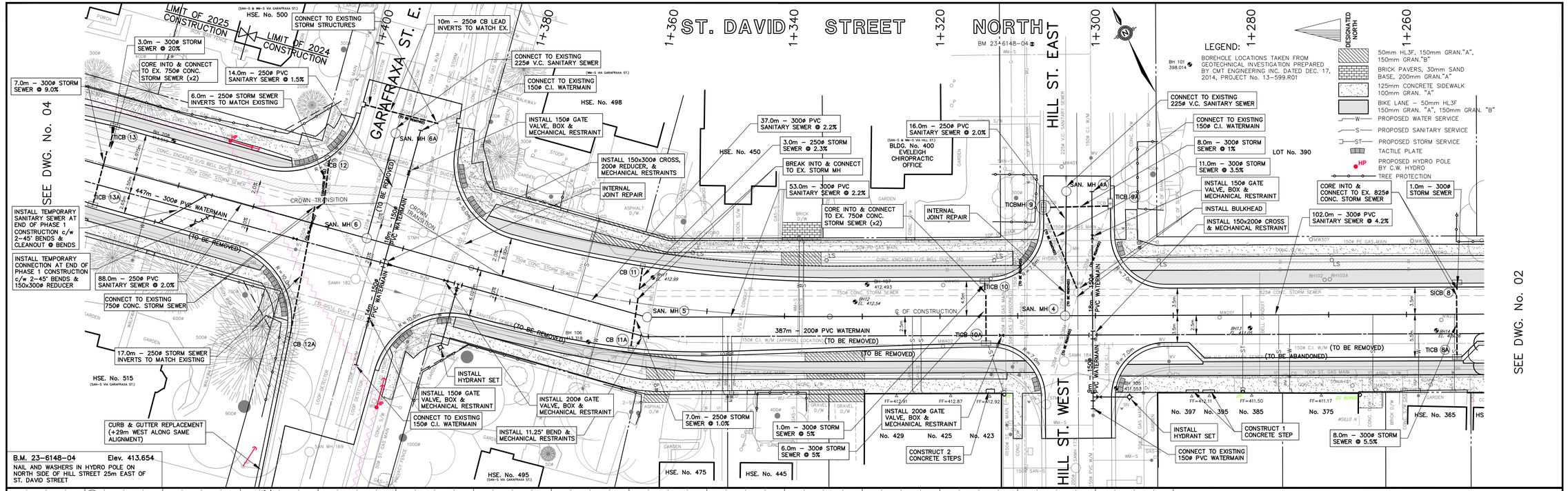
CONTRACT No.	RFT-12-24
PROJECT No	M6148
DRAWN BY:	A.S.B. (NAD83)
CHECKED BY:	D.G.D.
APPROVED BY:	D.G.D.
DATE:	SEPTEMBER, 2020

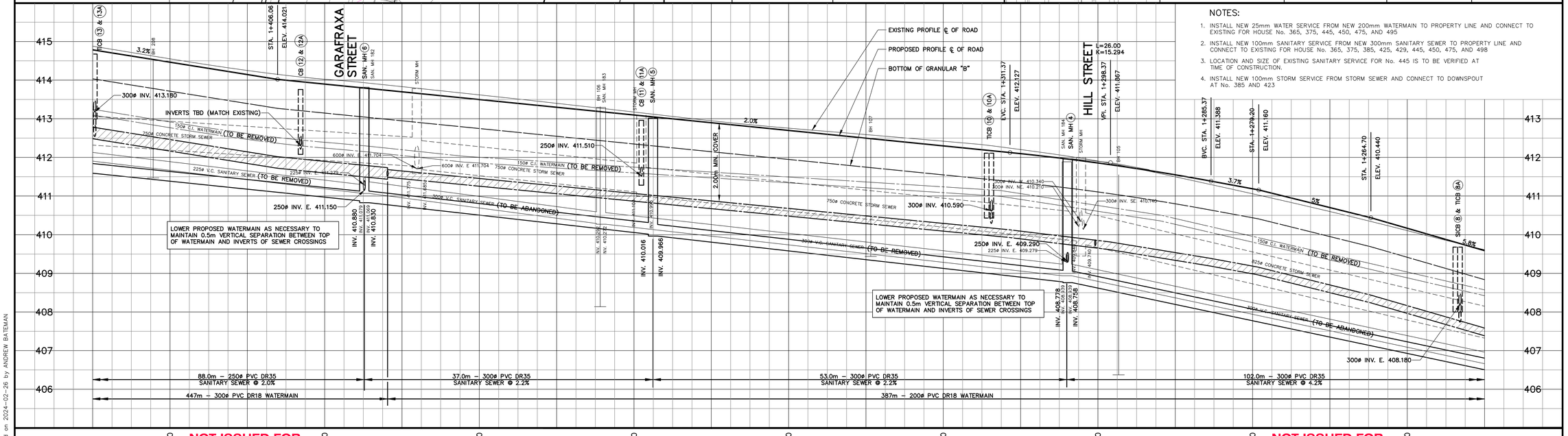
TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
1:250 HORIZONTAL
1:50 VERTICAL

DRAWING NUMBER 02

M6148 M6149 ACAD BASE.DWG Plotted on 2024-02-26 by ANDREW BATEMAN





NOTES:

1. INSTALL NEW 25mm WATER SERVICE FROM NEW 200mm WATERMAIN TO PROPERTY LINE AND CONNECT TO EXISTING FOR HOUSE No. 365, 375, 445, 450, 475, AND 495
2. INSTALL NEW 100mm SANITARY SERVICE FROM NEW 300mm SANITARY SEWER TO PROPERTY LINE AND CONNECT TO EXISTING FOR HOUSE No. 365, 375, 385, 425, 429, 445, 450, 475, AND 498
3. LOCATION AND SIZE OF EXISTING SANITARY SERVICE FOR No. 445 IS TO BE VERIFIED AT TIME OF CONSTRUCTION.
4. INSTALL NEW 100mm STORM SERVICE FROM STORM SEWER AND CONNECT TO DOWNSPOUT AT No. 385 AND 423

NOT ISSUED FOR CONSTRUCTION

NOT ISSUED FOR CONSTRUCTION

NOTES

THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE.

No	DATE	REVISION	INITIAL
1.	FEB. 2024	ISSUED FOR TENDER	d.g.d.

LICENCED PROFESSIONAL ENGINEER A.S. BATEMAN 90907358 PROVINCE OF ONTARIO FEB 14/24

LICENCED PROFESSIONAL ENGINEER D.G. DONALDSON PROVINCE OF ONTARIO Feb 14/24

NOT ISSUED FOR CONSTRUCTION

RECONSTRUCTION OF

ST. DAVID ST. N. (HWY. 6)

(FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

PLAN AND PROFILE
60m N. OF ST. GEORGE ST. TO GARAFRAXA ST.

CONTRACT No	RFT–12–24
PROJECT No	M6148
DRAWN BY:	A.S.B. (AutoCAD)
CHECKED BY:	D.G.D.
APPROVED BY:	D.G.D.
DATE:	SEPTEMBER, 2020

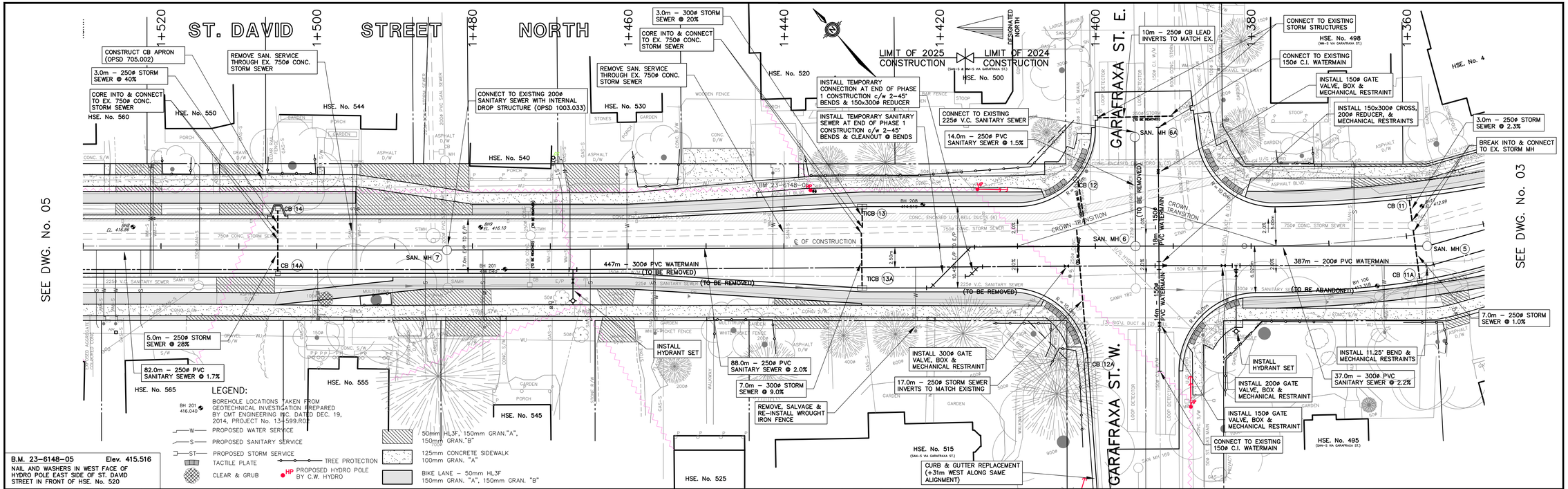
TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

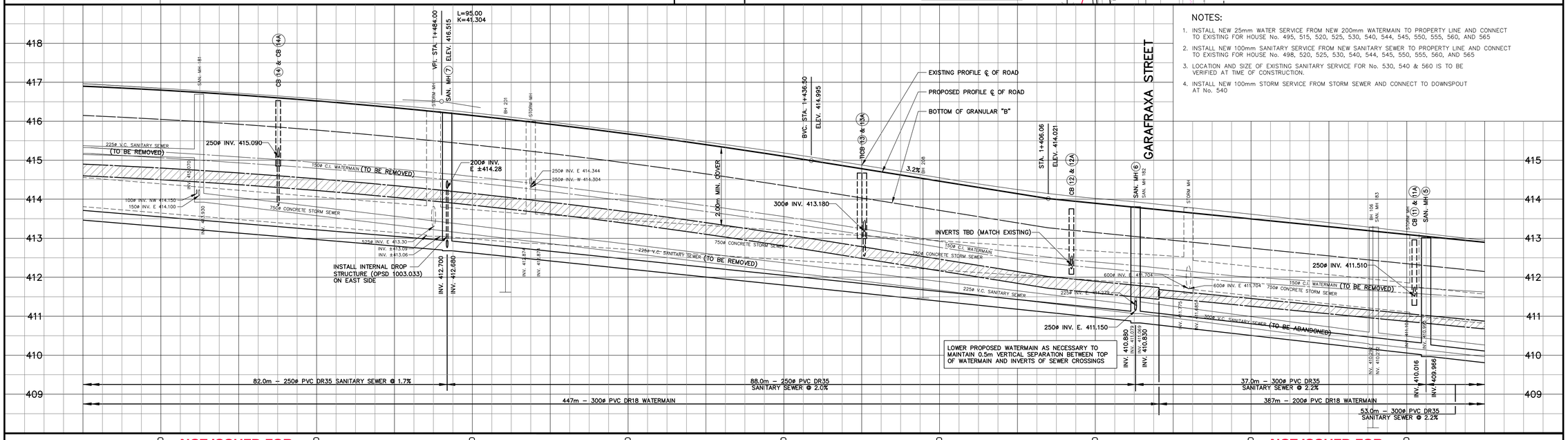
SCALES

1:250	1:50
HORIZONTAL	VERTICAL

DRAWING NUMBER **03**

M6148 M6149 ACAD BASE.DWG Plotted on 2024–02–26 by ANDREW BATEMAN





NOTES:

1. INSTALL NEW 25mm WATER SERVICE FROM NEW 200mm WATERMAIN TO PROPERTY LINE AND CONNECT TO EXISTING FOR HOUSE No. 495, 515, 520, 525, 530, 540, 544, 545, 550, 555, 560, AND 565
2. INSTALL NEW 100mm SANITARY SERVICE FROM NEW SANITARY SEWER TO PROPERTY LINE AND CONNECT TO EXISTING FOR HOUSE No. 498, 520, 525, 530, 540, 544, 545, 550, 555, 560, AND 565
3. LOCATION AND SIZE OF EXISTING SANITARY SERVICE FOR No. 530, 540 & 560 IS TO BE VERIFIED AT TIME OF CONSTRUCTION.
4. INSTALL NEW 100mm STORM SERVICE FROM STORM SEWER AND CONNECT TO DOWNSPOUT AT No. 540

NOT ISSUED FOR CONSTRUCTION

NOT ISSUED FOR CONSTRUCTION

NOTES

THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE.

No	DATE	REVISION	INITIAL
1.	FEB. 2024	ISSUED FOR TENDER	d.g.d.

LICENSED PROFESSIONAL ENGINEER A.S. BATEMAN 90907082 FEB 14/24 PROVINCE OF ONTARIO

NOT ISSUED FOR CONSTRUCTION

LICENSED PROFESSIONAL ENGINEER D.G. DONALDSON Feb 14/24 PROVINCE OF ONTARIO

RECONSTRUCTION OF

ST. DAVID ST. N. (HWY. 6)

(FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

PLAN AND PROFILE
GARAFRAXA STREET TO STA. 1+520

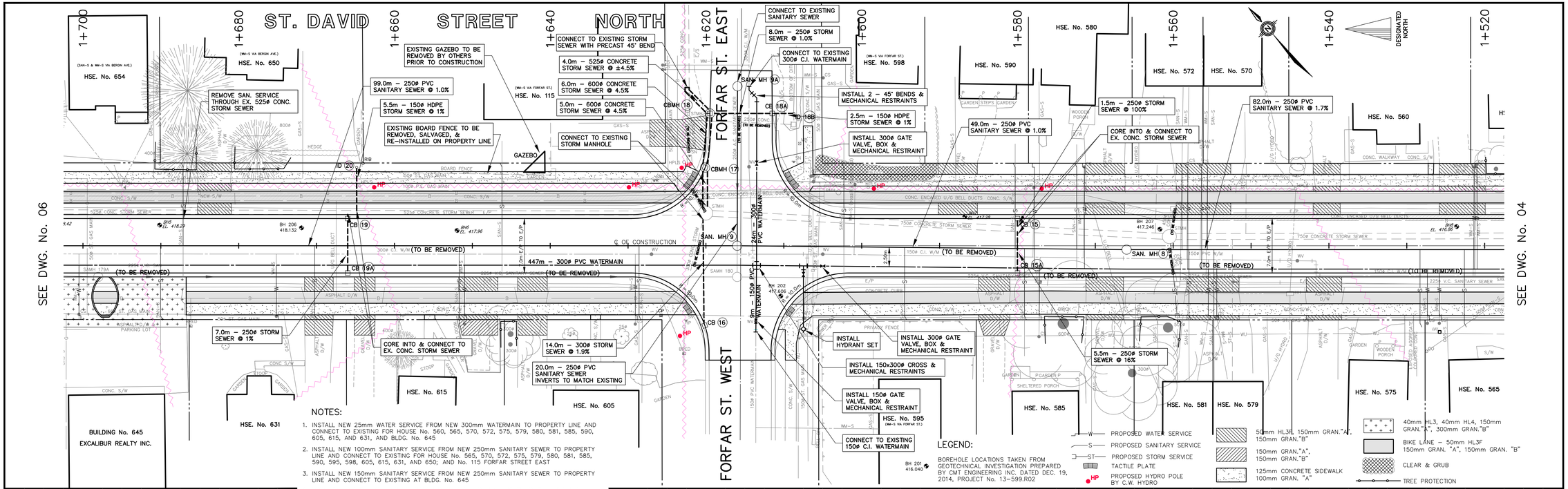
CONTRACT No.	RFT–12–24
PROJECT No	M6148
DRAWN BY:	A.S.B. (MADE)
CHECKED BY:	D.G.D.
APPROVED BY:	D.G.D.
DATE:	SEPTEMBER, 2020

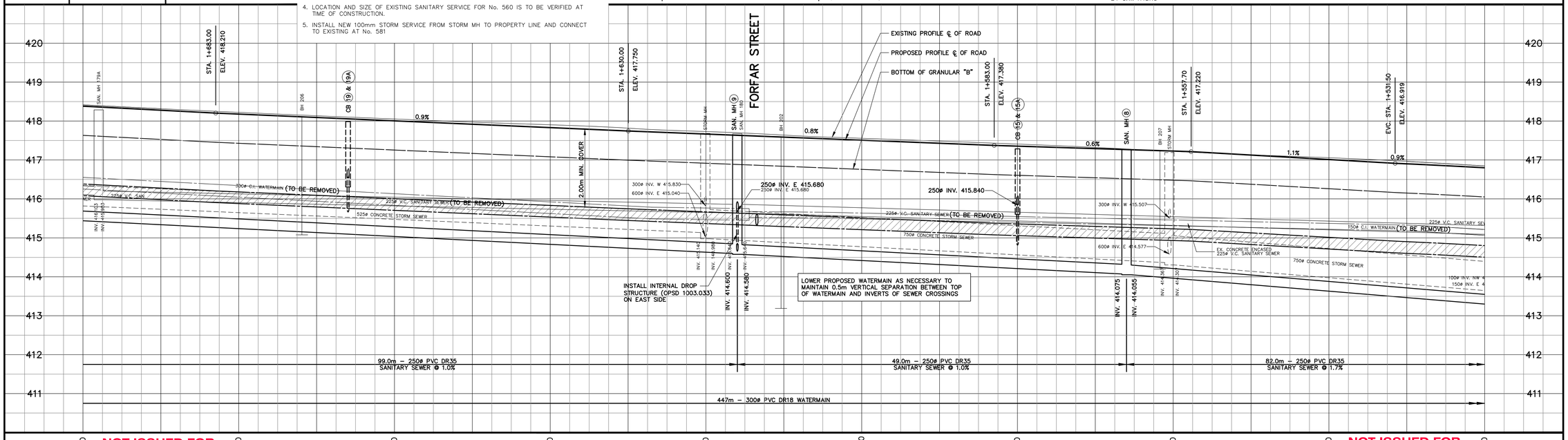
TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
1:250 HORIZONTAL
1:50 VERTICAL

DRAWING NUMBER **04**

M6148 M6149 ACAD BASE.DWG Plotted on 2024–02–20 by ANDREW BATEMAN





1+700 NOT ISSUED FOR CONSTRUCTION 1+680 1+660 1+640 1+620 1+600 1+580 1+560 1+540 NOT ISSUED FOR CONSTRUCTION 1+520

NOTES

THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE.

No	DATE	REVISION	INITIAL
1.	FEB. 2024	ISSUED FOR TENDER	d.g.d.

LICENSED PROFESSIONAL ENGINEER A.S. BATEMAN 90907082 FEB 14/24 PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER D.G. DONALDSON FEB 14/24 PROVINCE OF ONTARIO

NOT ISSUED FOR CONSTRUCTION

RECONSTRUCTION OF
ST. DAVID ST. N. (HWY. 6)
(FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

PLAN AND PROFILE
STA. 1+520 TO STA. 1+700

CONTRACT No.	RFT-12-24
PROJECT No	M6148
DRAWN BY:	A.S.B. (AutoCAD)
CHECKED BY:	D.G.D.
APPROVED BY:	D.G.D.
DATE:	SEPTEMBER, 2020

TRITON ENGINEERING SERVICES LIMITED Consulting Engineers

SCALES
1:250 HORIZONTAL 1:50 VERTICAL

DRAWING NUMBER 05

M6148 M6149 ACAD BASE.DWG Plotted on 2024-02-20 by ANDREW BATEMAN

NOTES:

1. INSTALL NEW 25mm WATER SERVICE FROM NEW 300mm WATERMAIN TO PROPERTY LINE AND CONNECT TO EXISTING FOR BLDG. No. 645, 675, 680, 684, 686, AND 695
2. INSTALL NEW 50mm WATER SERVICE FROM NEW 300mm WATERMAIN TO PROPERTY LINE AND CONNECT TO EXISTING AT BLDG. No. 655, AND AT STA. 1+745 LEFT
3. INSTALL NEW 150mm SANITARY SERVICE FROM NEW 250mm SANITARY SEWER TO PROPERTY LINE AND CONNECT TO EXISTING AT BLDG. No. 645, 655, 675, 680, 684(x2), 686, AND 695
4. LOCATION AND SIZE OF EXISTING SANITARY SERVICE FOR No. 680 IS TO BE VERIFIED AT TIME OF CONSTRUCTION.

B.M. 23-6148-06 Elev. 419.274
NAIL AND WASHERS IN WEST FACE OF HYDRO POLE ON NORTH EAST CORNER OF BERGIN STREET AND ST. DAVID STREET

B.M. 23-6148-07 Elev. 420.377
NAIL AND WASHERS IN WEST FACE OF HYDRO POLE ON SOUTH EAST CORNER OF EDINBURGH STREET AND ST. DAVID STREET

CONNECT TO EXISTING 150ø C.I. WATERMAIN
CONNECT TO EXISTING STORM MH
REPLACE 10m – 300ø STORM SEWER LEAD (INV. TO MATCH EXISTING)
REPLACE 3m – 250ø STORM SEWER LEADS (INV. TO MATCH EXISTING)
REPLACE 9m – 250ø STORM SEWER LEADS (INV. TO MATCH EXISTING)
INSTALL 150ø GATE VALVE, BOX & MECHANICAL RESTRAINT
CONNECT TO EXISTING STORM MH
58.0m – 250ø PVC SANITARY SEWER @ 1.0%
7.0m – 250ø STORM SEWER @ 1.0%
INSTALL 250ø CB LEAD AND BREAK INTO & CONNECT TO EXISTING STORM MH
58.0m – 250ø PVC SANITARY SEWER @ 1.0%
CONNECT TO EXISTING 200ø PVC SANITARY SEWER
5.0m – 200ø PVC SANITARY SEWER @ ±0.7%
CONNECT TO EXISTING 150ø PVC WATERMAIN
INSTALL 150ø GATE VALVE, BOX & MECHANICAL RESTRAINT
9.0m – 250ø STORM SEWER INVERTS TO MATCH EXISTING
INSTALL 2 – 45° BENDS & MECHANICAL RESTRAINTS & CONNECT TO EX. 300mm C.I. WATERMAIN
4.0m – 250ø PVC SANITARY SEWER @ 5.4%
BREAK INTO & CONNECT TO EXISTING SANITARY MH
INSTALL 300ø GATE VALVE, BOX & MECHANICAL RESTRAINT
INSTALL 300x300x150ø TEE & MECHANICAL RESTRAINT
INSTALL 300x300x300ø TEE & MECHANICAL RESTRAINT
INSTALL 300ø GATE VALVE, BOX & MECHANICAL RESTRAINT
CONNECT TO EXISTING 300ø PVC WATERMAIN
CONSTRUCT 1 CONCRETE STEP
INSTALL 300ø GATE VALVE & BOX
INSTALL 150x300ø TEE & MECHANICAL RESTRAINT
99.0m – 250ø PVC SANITARY SEWER @ 1.0%
INSTALL INTERNAL DROP STRUCTURE (OPSD 1003.033) ON EAST SIDE
LOWER PROPOSED WATERMAIN AS NECESSARY TO MAINTAIN 0.5m VERTICAL SEPARATION BETWEEN TOP OF WATERMAIN AND INVERTS OF SEWER CROSSINGS
LOWER PROPOSED WATERMAIN AS NECESSARY TO MAINTAIN 0.5m VERTICAL SEPARATION BETWEEN TOP OF WATERMAIN AND INVERTS OF SEWER CROSSINGS

BLDG. No. 686 RLB ACCOUNTANTS
BLDG. No. 684 GOLDEN FISH AND CHIPS RESTAURANT
BLDG. No. 680 GOODWILL DONATION CENTRE
BLDG. No. 695 TRUVIEW WINDOWS & DOORS
BLDG. No. 675 KENTUCKY FRIED CHICKEN
BUILDING No. 655 CAR WASH AUTO STORE SPARKLE BRITE LAUNDROMAT
BUILDING No. 645 EXCALIBUR REALTY INC.
HSE. No. 654

LEGEND:
BH 201 416.040 — BOREHOLE LOCATIONS TAKEN FROM GEOTECHNICAL INVESTIGATION PREPARED BY CMT ENGINEERING INC. DATED DEC. 19, 2014, PROJECT No. 13-599.R02
W — PROPOSED WATER SERVICE
S — PROPOSED SANITARY SERVICE
TACTILE PLATE
CLEAR & GRUB
NEW TREE LOCATION
JL — TREE SPECIES – REFER TO CONTRACT DOCUMENTS
50mm HL3F, 150mm GRAN."A", 150mm GRAN."B"
40mm HL3, 40mm HL4, 150mm GRAN."A", 300mm GRAN."B"
125mm CONCRETE SIDEWALK 100mm GRAN. "A"
BIKE LANE – 50mm HL3F 150mm GRAN. "A", 150mm GRAN. "B"

EXISTING PROFILE ℄ OF ROAD
PROPOSED PROFILE ℄ OF ROAD
BOTTOM OF GRANULAR "B"
447m – 300ø PVC WATERMAIN
447m – 300ø PVC DR18 WATERMAIN
4.0m – 250ø PVC DR35 SANITARY SEWER @ 5.4%
58.0m – 250ø PVC DR35 SANITARY SEWER @ 1.0%
58.0m – 250ø PVC DR35 SANITARY SEWER @ 1.0%
99.0m – 250ø PVC DR35 SANITARY SEWER @ 1.0%

NOT ISSUED FOR CONSTRUCTION
NOT ISSUED FOR CONSTRUCTION

SEE DWG. No. 05

NOTES
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No	DATE	REVISION	INITIAL
1.	FEB. 2024	ISSUED FOR TENDER	d.g.d.

LICENSED PROFESSIONAL ENGINEER A.S. BATEMAN 90907082 FEB 14/24 PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER D.G. DONALDSON FEB 14/24 PROVINCE OF ONTARIO

RECONSTRUCTION OF
ST. DAVID ST. N. (HWY. 6)
(FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MACDONALD SQUARE
ELORA, ONTARIO N0B 1S0

PLAN AND PROFILE
BERGIN AVE. TO EDINBURGH ST.

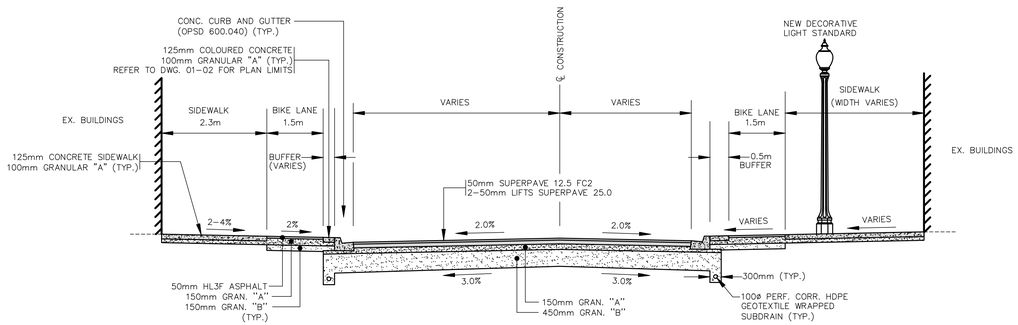
CONTRACT No.	RFT-12-24
PROJECT No	M6148
DRAWN BY:	A.S.B. (autoCAD)
CHECKED BY:	D.G.D.
APPROVED BY:	D.G.D.
DATE:	SEPTEMBER, 2020

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

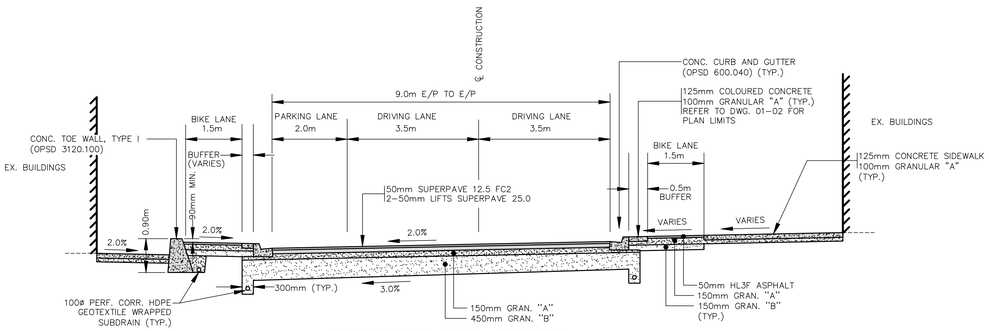
SCALES
1:250 HORIZONTAL
1:50 VERTICAL

DRAWING NUMBER 06

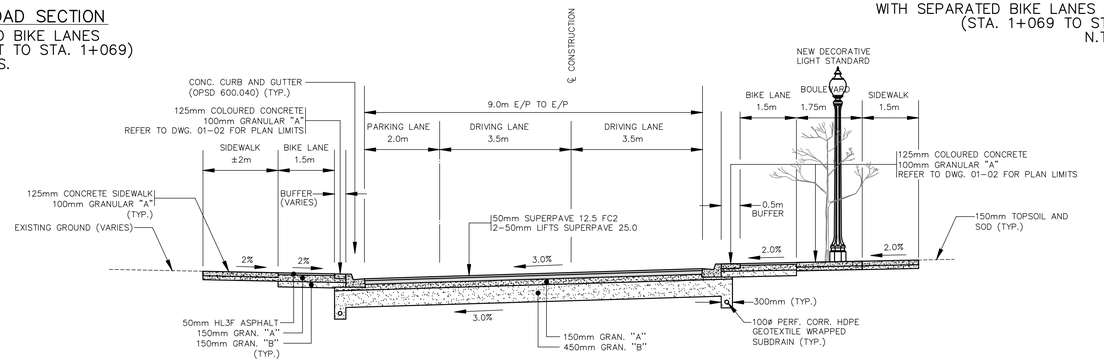
M6148 M6149 ACAD BASE.DWG Plotted on 2024-02-20 by ANDREW BATEMAN



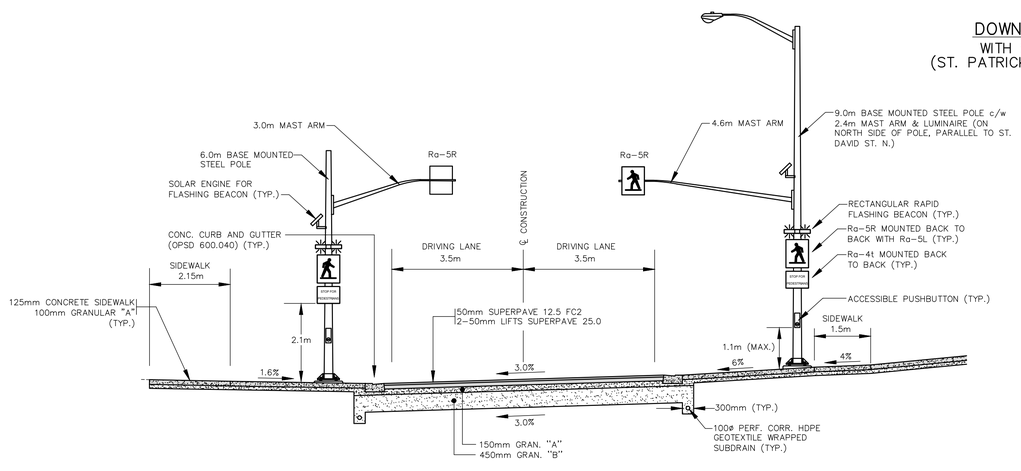
DOWNTOWN ROAD SECTION
WITH SEPARATED BIKE LANES
(ST. ANDREW STREET TO STA. 1+069)
N.T.S.



DOWNTOWN ROAD SECTION
WITH SEPARATED BIKE LANES & CONCRETE TOE WALL (LEFT)
(STA. 1+069 TO ST. PATRICK STREET)
N.T.S.

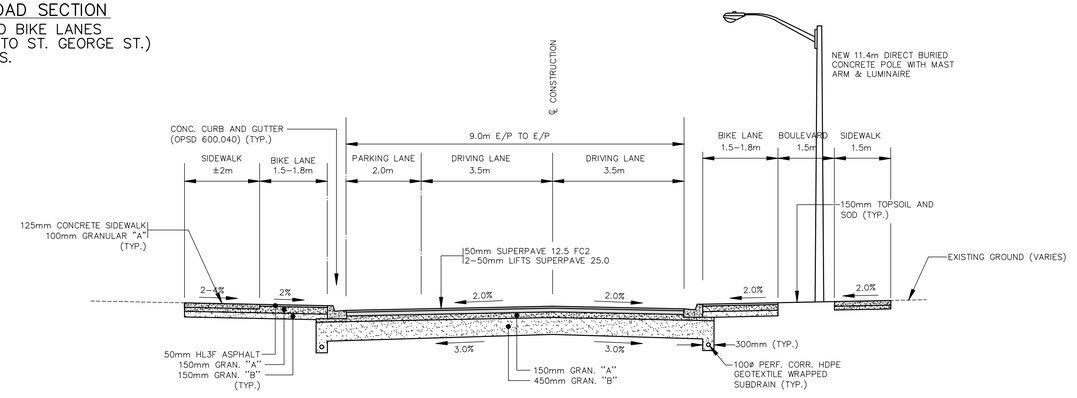


DOWNTOWN ROAD SECTION
WITH SEPARATED BIKE LANES
(ST. PATRICK STREET TO ST. GEORGE ST.)
N.T.S.



DOWNTOWN ROAD SECTION
AT PEDESTRIAN CROSS OVER AT ST. GEORGE STREET
N.T.S.

NOT ISSUED FOR CONSTRUCTION



TYPICAL ROAD SECTION
WITH SEPARATED BIKE LANES
(ST. GEORGE ST. TO HILL ST.)
N.T.S.

NOT ISSUED FOR CONSTRUCTION

M6148 SECTIONS AND DETAILS.DWG Plotted on 2024-02-20 by ANDREW BATEMAN

NOTES

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No	DATE	REVISION	INITIAL
1	FEB. 2024	ISSUED FOR TENDER	d.g.d.

LICENCED PROFESSIONAL ENGINEER A.S. BATEMAN 90072 FEB 14/24 PROVINCE OF ONTARIO

NOT ISSUED FOR CONSTRUCTION

REGISTERED PROFESSIONAL PLANNER D.A. DONALDSON Feb 14/24 PROVINCE OF ONTARIO

RECONSTRUCTION OF
ST. DAVID ST. N. (HWY. 6)
(FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MacDONALD SQUARE
ELORA, ONTARIO N0B 1S0

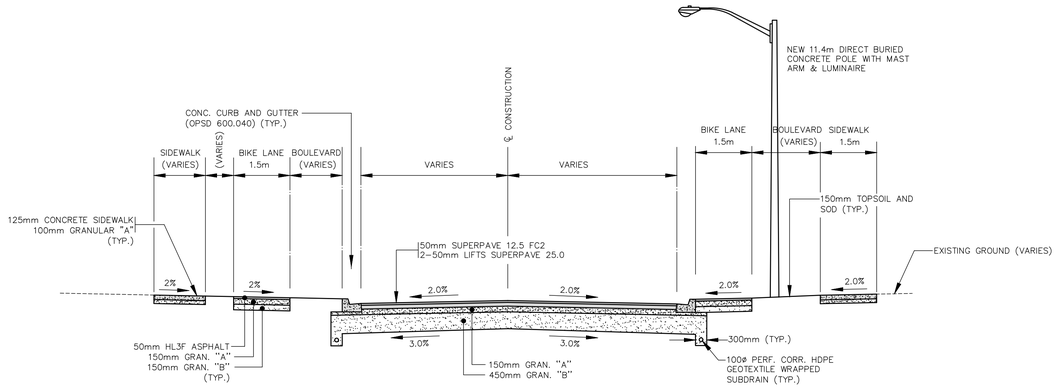
TYPICAL SECTIONS AND DETAILS

CONTRACT No	RFT-12-24
PROJECT No	M6148
DRAWN BY:	A.S.B. (AutoCAD)
CHECKED BY:	D.G.D.
APPROVED BY:	D.G.D.
DATE:	JANUARY 2024

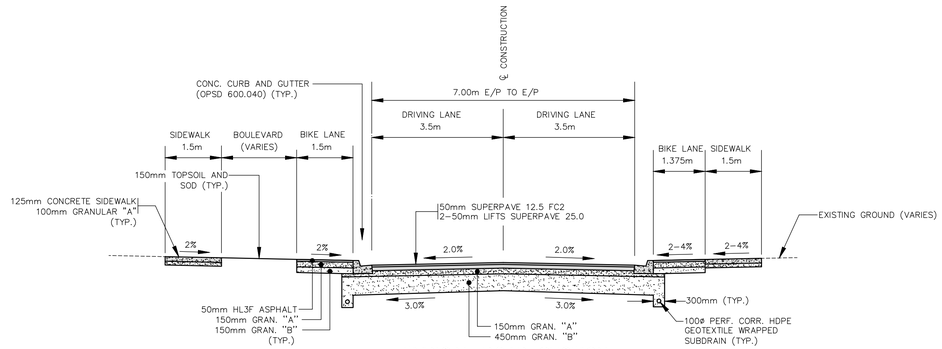
TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
N.T.S. HORIZONTAL
N.T.S. VERTICAL

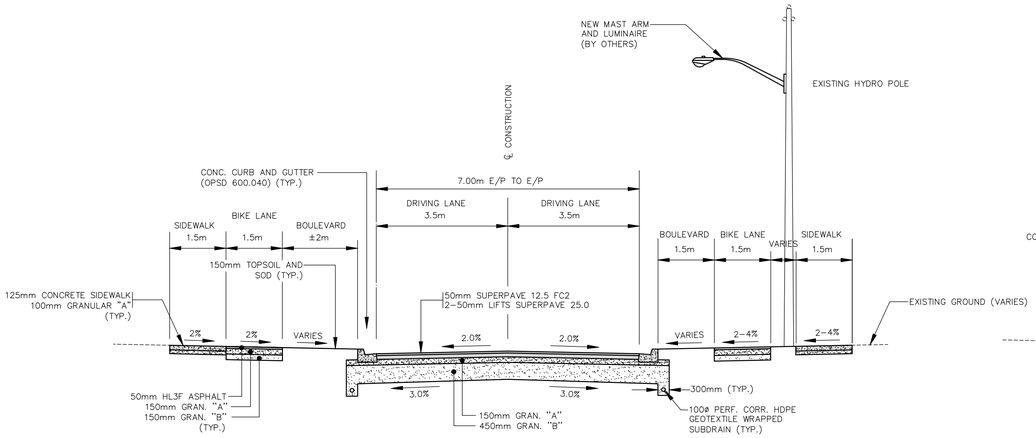
DRAWING NUMBER **07**



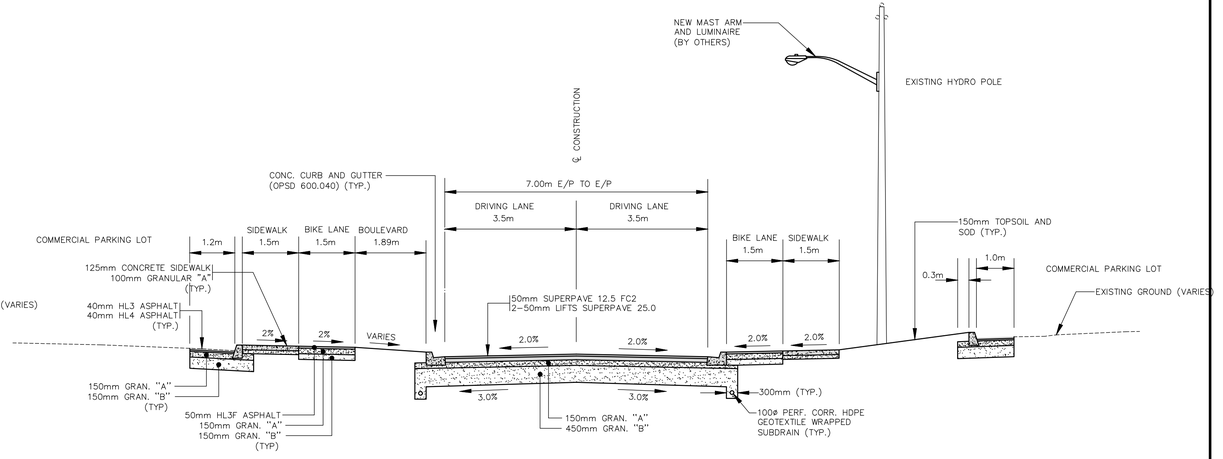
TYPICAL ROAD SECTION
WITH SEPARATED BIKE LANES
(HILL ST. TO GARAFRAXA ST.)
N.T.S.



TYPICAL ROAD SECTION
WITH SEPARATED BIKE LANES
(GARAFRAXA ST. TO STA. 1+490)
N.T.S.



TYPICAL ROAD SECTION
WITH SEPARATED BIKE LANES
(STA. 1+490 TO BERGIN AVE.)
N.T.S.



TYPICAL ROAD SECTION
WITH SEPARATED BIKE LANES
(BERGIN AVE. TO BLACK ST.)
N.T.S.

NOT ISSUED FOR CONSTRUCTION

NOT ISSUED FOR CONSTRUCTION

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No	DATE	REVISION	INITIAL
1	FEB. 2024	ISSUED FOR TENDER	d.g.d.

A.S. BATEMAN — 100187672 — LICENSED PROFESSIONAL ENGINEER — PROVINCE OF ONTARIO

D.G. MACDONALDSON — 100187672 — LICENSED PROFESSIONAL ENGINEER — PROVINCE OF ONTARIO

NOT ISSUED FOR CONSTRUCTION

RECONSTRUCTION OF
ST. DAVID ST. N. (HWY. 6)
(FERGUS)

TOWNSHIP OF CENTRE WELLINGTON
1 MacDONALD SQUARE
ELORA, ONTARIO N0B 1S0

TYPICAL SECTIONS AND DETAILS

CONTRACT No	RFT-12-24
PROJECT No	M6148
DRAWN BY:	A.S.B. (AutoCAD)
CHECKED BY:	D.G.D.
APPROVED BY:	D.G.D.
DATE:	JANUARY 2024

TRITON ENGINEERING SERVICES LIMITED
Consulting Engineers

SCALES
N.T.S. HORIZONTAL
N.T.S. VERTICAL

DRAWING NUMBER **08**

M6148 SECTIONS AND DETAILS.DWG Plotted on 2024-02-20 by ANDREW BATEMAN