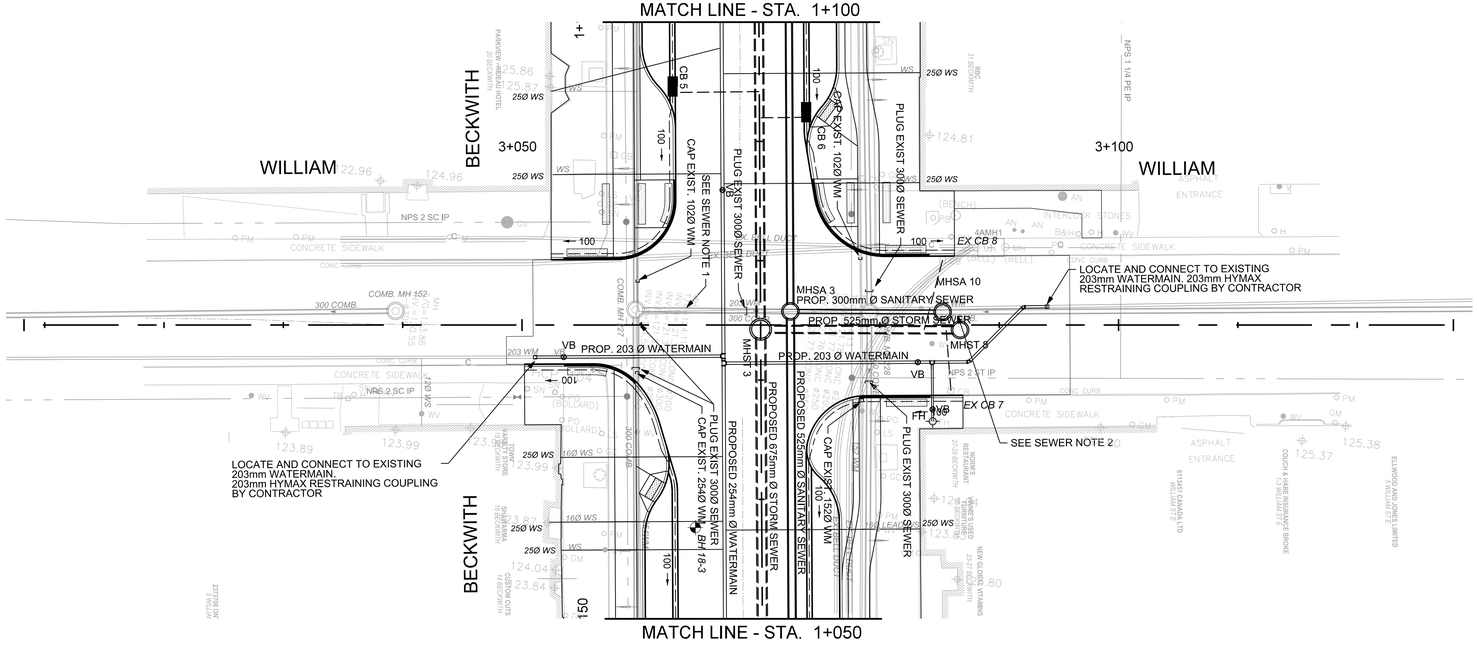

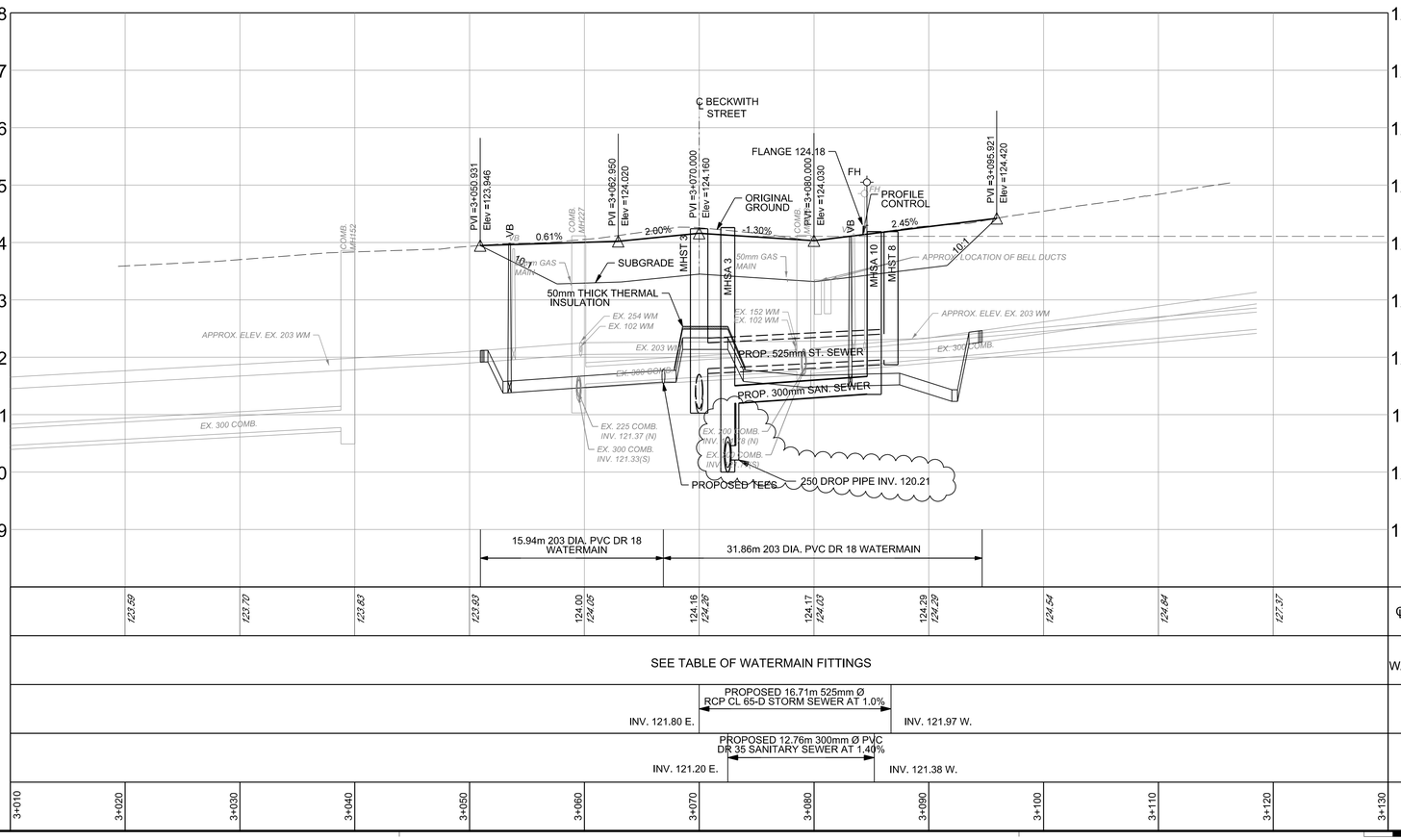

BECKWITH STREET RENEWAL
RUSSELL STREET TO CHAMBERS STREET

GRADING & DRAINAGE 5
WILLIAM STREET

W. TROY DUNLOP C.E.T.
Director

SMITHS FALLS
RISE AT THE FALLS

Contract No.	Dwg. No.
19-PW-001	011

Sheet 011 of 025

Des.	Chk'd.
DDC/PJH	CLER/MEM
Dwn.	Chk'd.
DDC/PJH	CLER/MEM

Const. Inspector

Scale:
HORIZONTAL
0m 2.5 5 10
0m 1 2
VERTICAL

NOTE: The locatlon of utilities is approximate only, the exact location should be determined by consulting the municipal authorities and utility companies concerned, The contractor shall prove the locatlon of utilities and shall be responsible for adequate protection from damage.

REVISIONS

No.	Description	By	Date (dd/mm/yy)
1	ISSUED FOR TENDER	K.P.	11/03/2019
②	ISSUED FOR ADDENDUM 1	K.P.	15/03/2019

SEWER NOTES:

1. EXISTING COMBINED SEWER TO BE ABANDONED AND FILLED WITH FLOWABLE 0.40mPA CONCRETE.
2. LOCATE AND CONNECT TO EXISTING SEWER. USE APPROVED SEWER TRANSITION COUPLING WHEN JOINING NEW PIPE TO EXISTING PIPE. SUBMIT SHOP DRAWINGS TO CONTRACT ADMINISTRATOR FOR REVIEW AND APPROVAL.
3. CONTRACTOR TO DETERMINE TYPE OF SEWER LATERAL, SANITARY OR STORM, WHICH LATERAL IS ACTIVE, AND CONNECT ACTIVE LATERALS TO THE NEW SEWERS.
4. FILL ABANDONED SEWER SERVICES WITH FLOWABLE 0.40 mPa CONCRETE.
5. BREAK INTO EXISTING MAINTENANCE HOLE, REMOVE AND REPLACE BENCHING TO MATCH INVERTS TO MAINTAIN FLOW.
6. SEE GRADING AND DRAINAGE 3 FOR CATCHBASIN DATA.

WATERMAIN NOTES:

1. EXISTING WATERMAINS TO BE CAPPED AND FILLED WITH FLOWABLE 0.40 mpa CONCRETE.
2. LOCATE AND CONNECT TO EXISTING WATERMAIN, USE APPROVED WATERMAIN COUPLING WHEN JOINING NEW PIPE TO EXISTING PIPE. SUBMIT SHOP DRAWINGS TO CONTRACT ADMINISTRATOR FOR REVIEW AND APPROVAL.
3. PROVIDE MINIMUM 2.40m OF COVER OVER WATERMAIN.
4. WATER SERVICE MATERIAL SHALL BE COPPER TYPE 'K'.

SANITARY MAINTENANCE HOLE DATA

NO.	STATION	OFFSET	COVER	STRUCTURE	ELEVATION T/GRATE	ELEVATION LOW/INV.
MHSA 10	3+085.26	1.1 LT	OPSD 401.020	OPSD 701.010	124.18	121.38

- OFFSETS ARE FROM CONTROL LINE TO CENTRE OF STRUCTURE
- SLF DENOTES SELF LEVEL FRAME

STORM MAINTENANCE HOLE DATA

NO.	STATION	OFFSET	COVER	STRUCTURE	ELEVATION T/GRATE	ELEVATION LOW/INV.
MHST 8	3+086.71	0.40 LT	OPSD 401.020	OPSD 701.010	124.19	121.97

- OFFSETS ARE FROM CONTROL LINE TO CENTRE OF STRUCTURE
- SLF DENOTES SELF LEVEL FRAME

TABLE OF WATERMAIN FITTINGS

STATION	OFFSET	FITTING	TOP OF WATERMAIN ELEVATION
3+051.10	2.69 RT	203 COUPLING	121.77
3+051.60	2.68 RT	203 22.5° VERT BEND	121.77
3+052.91	2.68 RT	203 22.5° VERT BEND	121.58
3+053.49	2.68 RT	203 GATE VALVE & VALVE BOX	121.58
3+066.89	2.60 RT	254 x 203 TEE	121.77
3+066.85	3.11 RT	254 x 203 TEE	121.77
3+068.13	3.11 RT	203 45° VERT BEND	121.93
3+068.56	3.11 RT	203 45° VERT BEND	122.34
3+072.50	3.11 RT	203 22.5° VERT BEND	122.34
3+073.84	3.11 RT	203 22.5° VERT BEND	121.78
3+083.17	3.11 RT	203 GATE VALVE & VALVE BOX	121.70
3+084.38	3.11 RT	203 x 152 TEE, 152 GATE VALVE & VALVE BOX, FIRE HYDRANT	121.71
3+087.46	3.09 RT	203 22.5° HOR. BEND	121.72
3+092.01	1.51 LT	203 22.5° HOR. BEND	121.44
3+092.50	1.51 LT	203 45° VERT. BEND	121.44
3+093.49	1.51 LT	203 45° VERT. BEND	122.44
3+094±	1.54 LT	203 COUPLING	122.5±

THRUST BLOCKS AND RESTRAINT JOINTS SHALL BE IN ACCORDANCE WITH OPSD 1103.010, 1103.020, 1103.021
CATHODIC PROTECTION PER OPSD 1109.011, 1109.025
INSULATION FOR WATERMAINS PER OPSD 1109.030
WATERMAIN MATERIALS: PVC, CL 150, DR-18

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Consultant's Information: H:\ISO\47674\61000\DWGS\05-Addendum\011-19-PW-001-30-GRD-05.Dgn