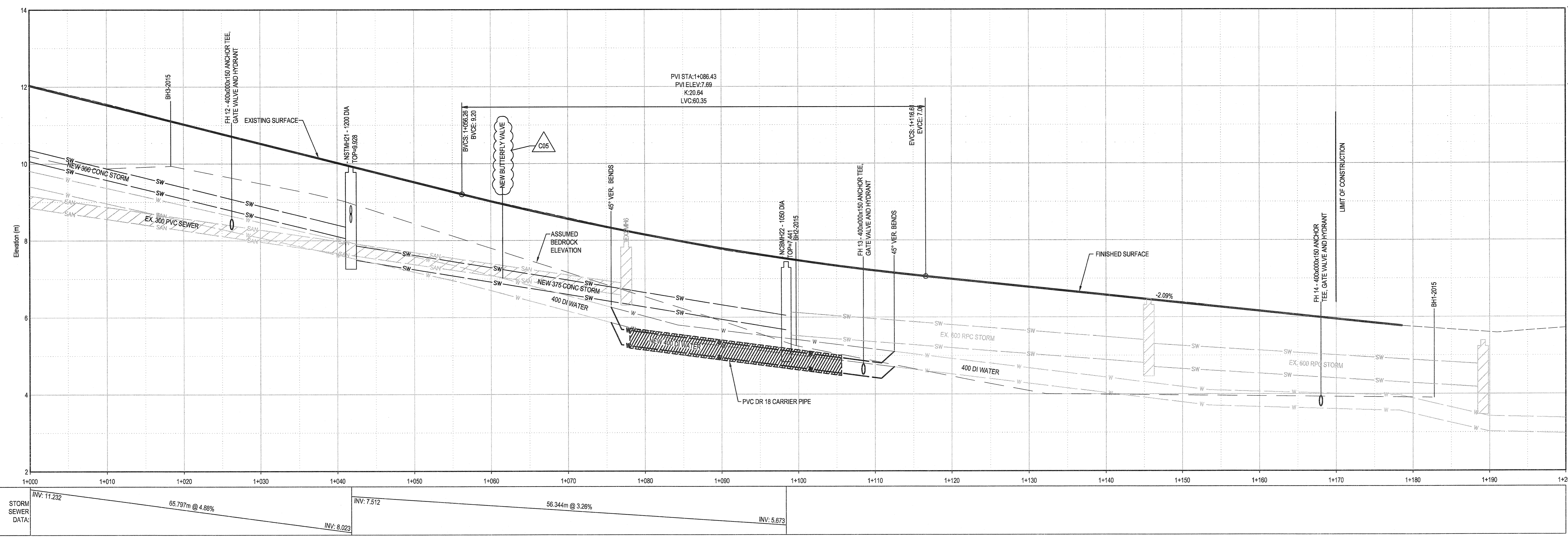


| LINE TABLE: ALIGNMENTS |            |                  |  |   |
|------------------------|------------|------------------|--|---|
| LINE #                 | LENGTH (m) | DIRECTION        | START POINT                                    | END POINT                                     |
| L6                     | 49.641     | N47° 00' 00.23"E | N: 4949882.104<br>E: 5570961.131<br>STA: 1+075 | N: 4949895.559<br>E: 5570967.44<br>STA: 1+125 |
| L7                     | 21.563     | N21° 13' 54.79"E | N: 4949842.110<br>E: 5571028.702<br>STA: 1+181 | N: 4949892.209<br>E: 5571036.51<br>STA: 1+203 |

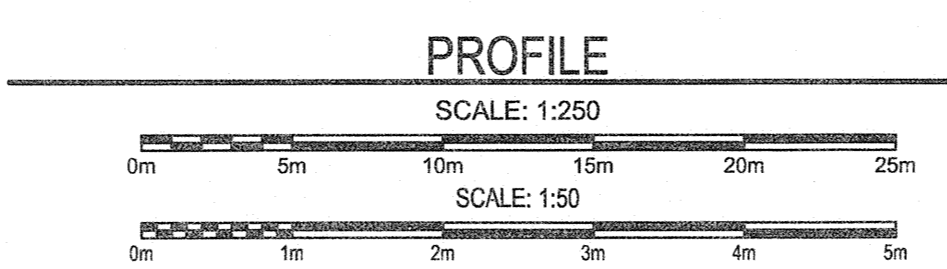
| CURVE TABLE: ALIGNMENTS |            |            |                  |        |  |   |  |  |
|-------------------------|------------|------------|------------------|--------|--|---|--|--|
| CURVE #                 | RADIUS (m) | LENGTH (m) | CHORD DIRECTION  | Δ      | START POINT                                    | POINT OF INTERSECTION                               | END POINT                                      |  |
| C5                      | 134.500    | 49.768     | N36° 23' 58.87"E | 21.201 | N: 5570931.786<br>E: 4949822.274<br>STA: 1+025 | N: 4949844.937<br>E: 5570942.7218<br>STA: 1+050.635 | N: 4949882.104<br>E: 5570961.131<br>STA: 1+075 |  |
| C6                      | 125.000    | 56.217     | N34° 08' 57.51"E | 25.768 | N: 5570997.436<br>E: 4949895.559<br>STA: 1+125 | N: 4949915.458<br>E: 5571018.3474<br>STA: 1+153.464 | N: 4949842.110<br>E: 5571028.702<br>STA: 1+181 |  |


| PROPOSED STORM CB STRUCTURE TABLE |           |         |              |           |            |
|-----------------------------------|-----------|---------|--------------|-----------|------------|
| Structure #                       | Dia. (mm) | Rim (m) | Pipe Out     | Dia. (mm) | Invert Out |
| NCB21A                            | 1050      | 10.215  | ncb21a       | 250       | 8.756      |
| NCB21B                            | 1050      | 10.128  | ncb21b       | 250       | 8.611      |
| NCB27                             | 1050      | 6.518   | ncb27        | 250       | 4.857      |
| NCBMH22                           | 1050      | 7.441   | Pipe - (187) | 600       | 5.540      |

| PROPOSED STORM CB LEAD TABLE |                     |                       |           |           |            |       |
|------------------------------|---------------------|-----------------------|-----------|-----------|------------|-------|
| Pipe #                       | Invert (m) Upstream | Invert (m) Downstream | Dia. (mm) | Type      | Length (m) | Slope |
| ncb21a                       | 8.756               | 8.672                 | 250       | PVC DR-35 | 8.393      | 1.00% |
| ncb21b                       | 8.611               | 8.469                 | 250       | PVC DR-35 | 7.087      | 2.00% |
| ncb27                        | 4.857               | 4.742                 | 250       | PVC DR-35 | 11.990     | 0.95% |

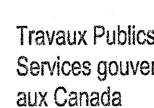


| STORM SEWER DATA: |                 |
|-------------------|-----------------|
| INV: 11.232       | 65.797m @ 4.88% |
| INV: 8.023        |                 |
| INV: 7.512        | 56.344m @ 3.26% |
| INV: 5.673        |                 |

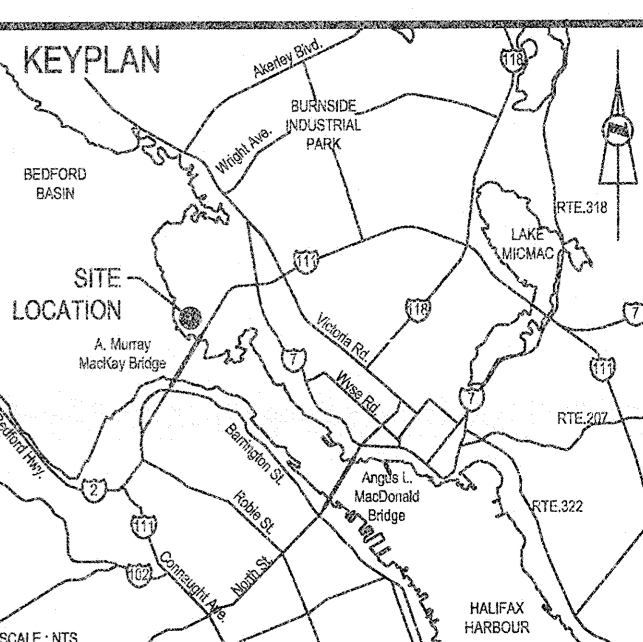




Public Works and  
Government Services  
Canada




Travaux Publics et  
Services gouvernement  
aux Canada



KEYPLAN

SITE LOCATION

SCALE: 1:10



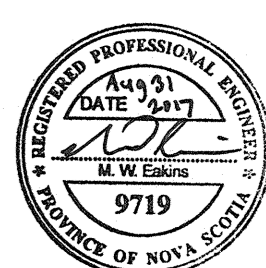
**SNC-LAVALIN**

SNC-LAVALIN Inc.  
Halifax, Nova Scotia, Canada

Member of the SNC-LAVALIN Group

NOTES:

- FOR LEGEND AND GENERAL NOTES SEE DRAWING C2.
- LIGHT POLE LAYOUT BASED ON FIXTURE ATB2 60BLED70 R2, ACCORDING TO HRM STANDARDS.
- INSTALLATION OF LIGHT POLE BASES TO BE COORDINATED WITH NSPI AND HERITAGE GAS.
- ALIGNMENT OF NATURAL GAS PIPELINES WAS OBTAINED FROM HERITAGE GAS. EXACT DEPTH OF BURY IS UNKNOWN, ESTIMATED TO BE APPROXIMATELY 0.6M. COORDINATE WITH HERITAGE GAS AS REQUIRED.



Professional Engineer  
Civil Engineering  
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Province of Nova Scotia

|                       |   |             |
|-----------------------|---|-------------|
| C05                   | ISSUED FOR ADDENDUM No. 001                     | AUG 31 2017 |
| C04                   | ISSUED FOR TENDER                               | AUG 23 2017 |
| revisions             |   | date        |
| project               | BEDFORD INSTITUTE OF OCEANOGRAPHY DARTMOUTH, NS |             |
| project               | SECOND ACCESS ROAD                              |             |
| drawing               | HUDSON WAY PLAN & PROFILE SHEET 6               |             |
| designed              | JG  | comp        |
| drawn                 | DB  | desig       |
| approved              | AGM   | approuv     |
| Tender                | Sourmission                                     |             |
| PWGSC Project Manager | Administrateur de projets TPWGC                 |             |
| project number        | no. du projet                                   |             |
| R.073592.001          |   |             |
| drawing no.           | no. du dessin                                   |             |
| C15                   |   |             |

PWGSC B1 (2004)

E-DRM/GDD-E: # 547537