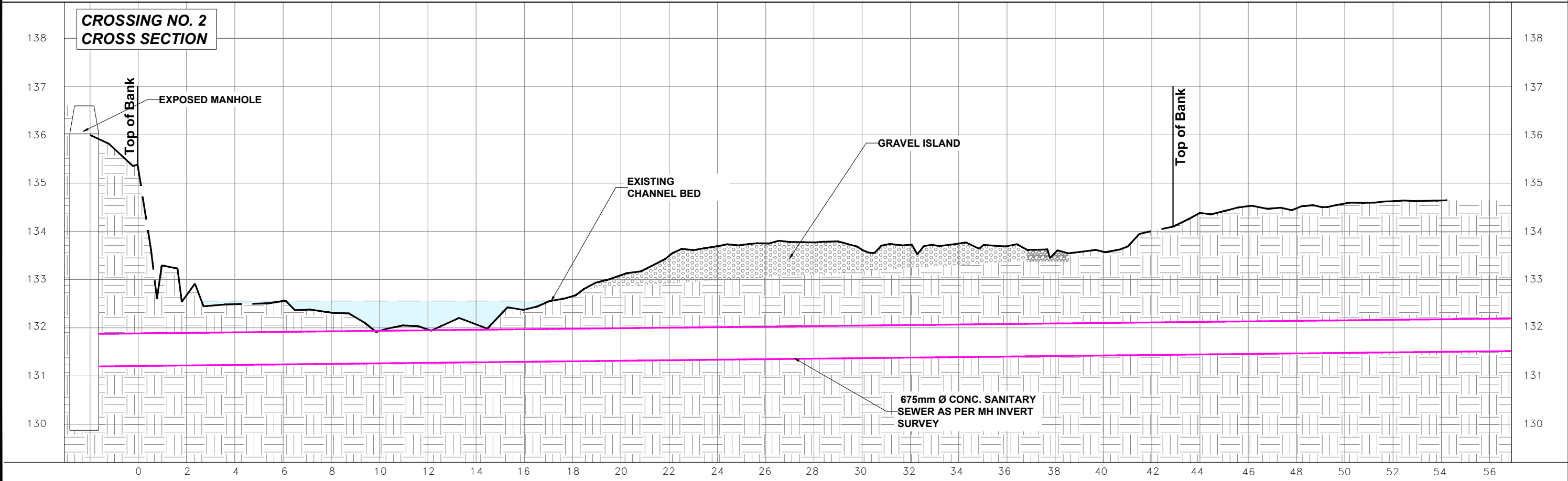
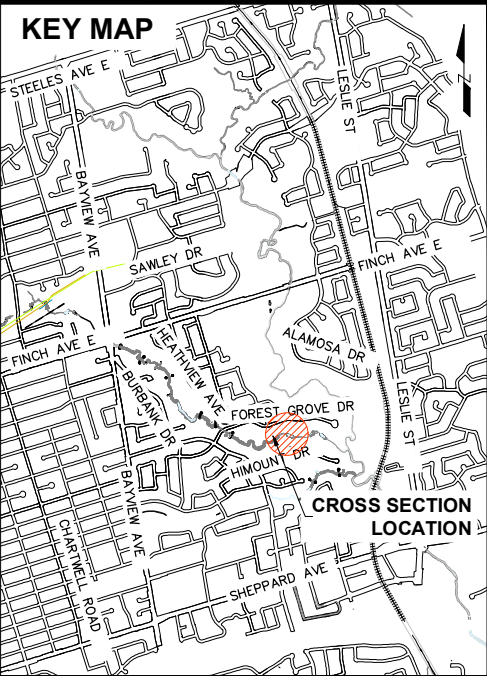
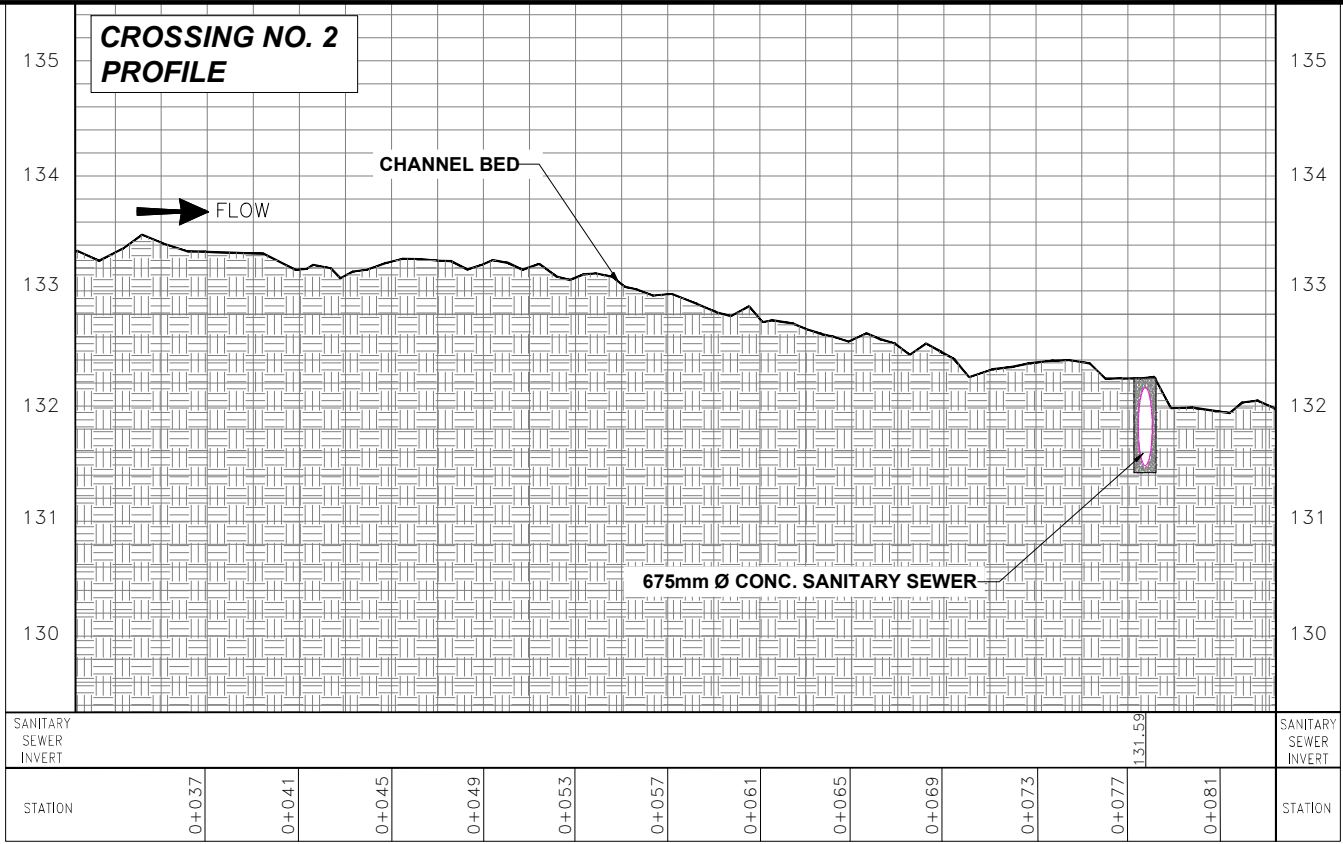
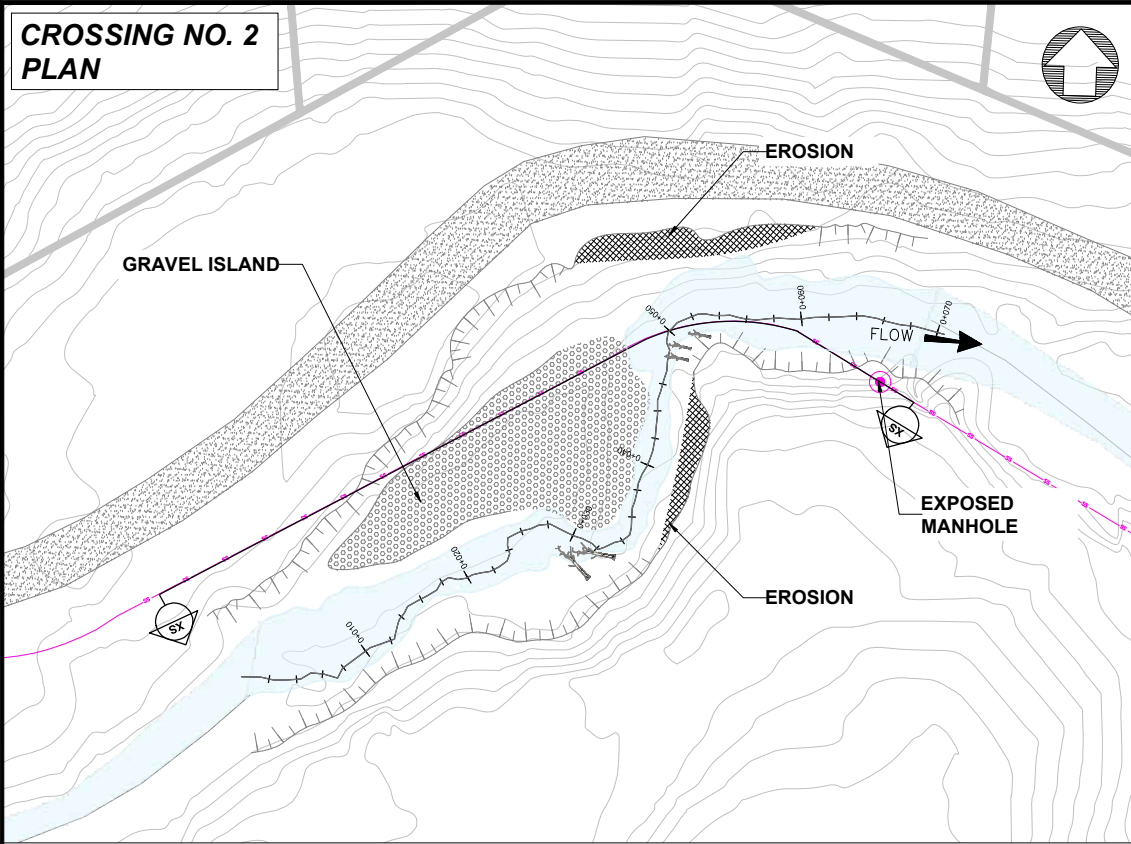


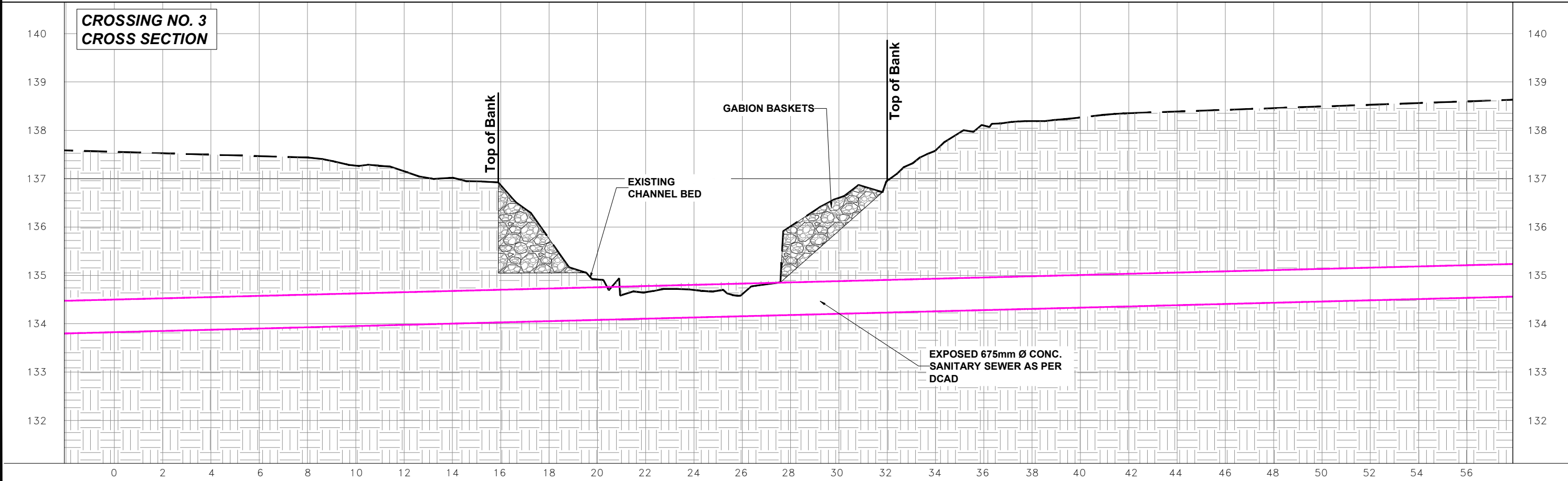
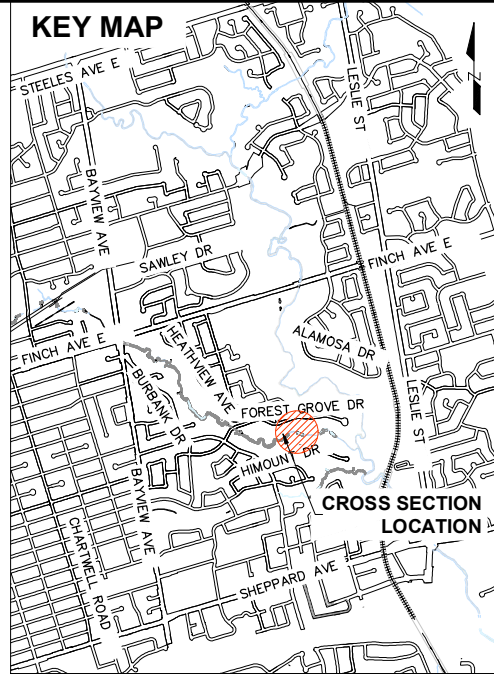
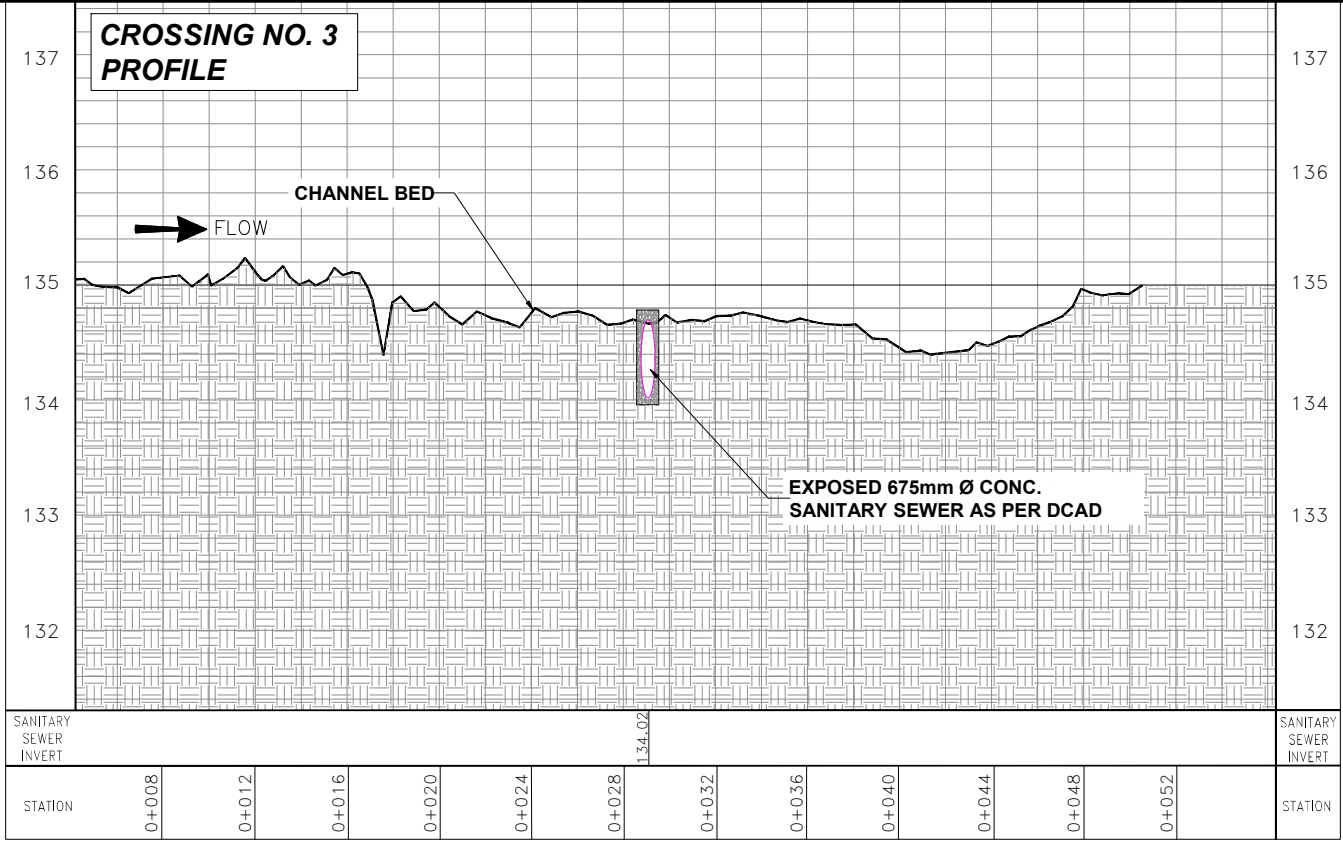
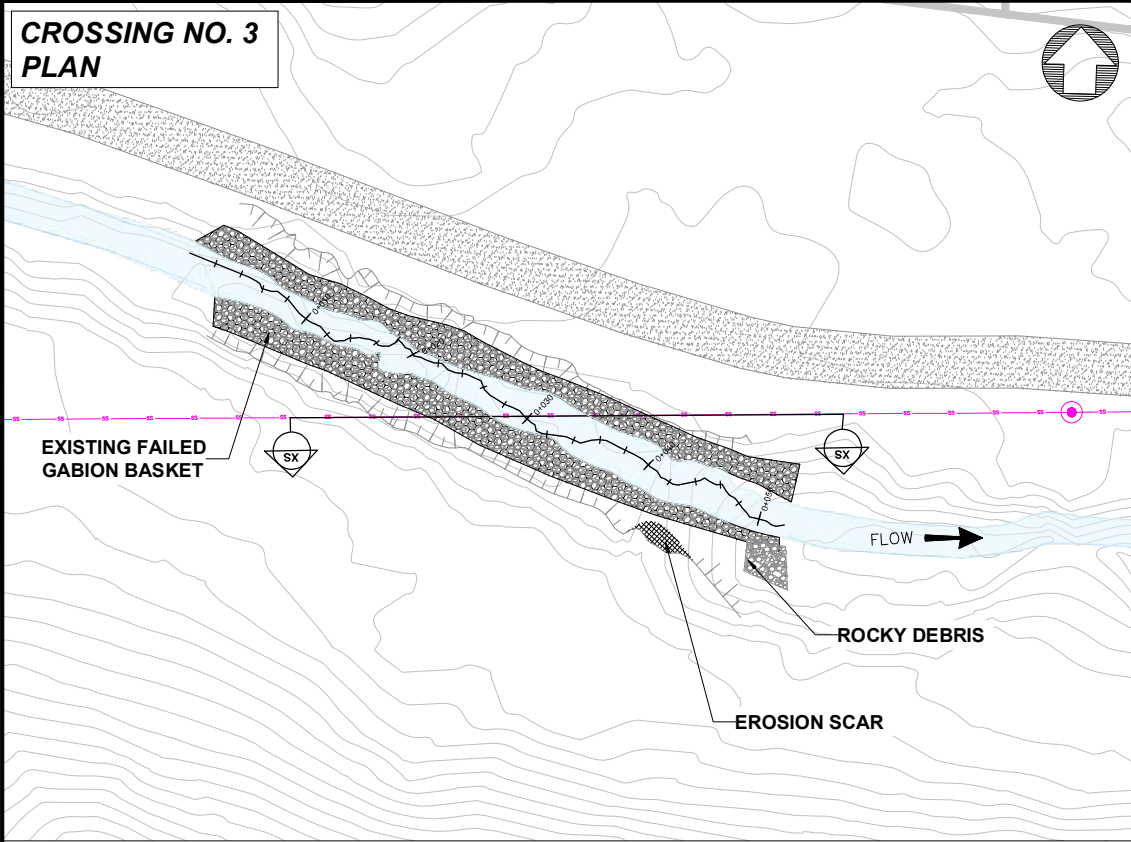
---

**Appendix S (Part 1)**

**Erosion Control Structures**

---







**DETACHED STORM OUTFALL & EXPOSED  
MANHOLE AT FOREST GROVE DRIVE  
OF4854214333**

**FOREST GROVE DRIVE**

EXISTING STORM TWIN CSP's

## EXPOSED MANHOLE

675mm Ø CMP. STM SEWER

**DETACHED STORM PIPE.  
GULLY/SLOPE EROSION  
OBSERVED ALONG THE  
PIPE ALIGNMENT.**

**FAILING STONE  
HEADWALL &  
OUTFALL CHANNEL**

**75 mm Ø STM OUTFALL**

## EXISTING GABION BASKET RETAINING WALL

Diagram illustrating a sewer line configuration. A manhole is shown on the left, connected to a sewer line. The sewer line runs horizontally and then turns vertically down to a catch basin. The catch basin is labeled "675mm Ø CP. SAN SEWER".



Diagram illustrating flow direction with an arrow pointing right and the word "FLOW" above it.

## KEY MAP

**CROSS SECTION  
LOCATION**



**Aquafor Beech**  
Limited

1-800-260-5274  
MISSISSAUGA, ONTARIO, L4W 5B2  
PHONE: (905) 429-0099 FAX: (905) 429-0099

**CU Toronto**

**LEGEND**

 STORM SEWER  
 SANITARY SEWER  
 STORM SEWER MANHOLE  
 SANITARY SEWER MANHOLE

 CREEK       EXISTING TRAIL  
 PROPERTY LINE  
 WATER MAIN  
 OUTFALL

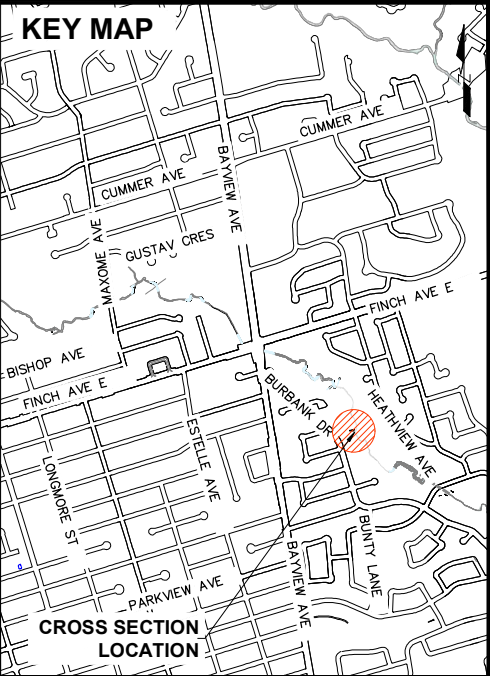
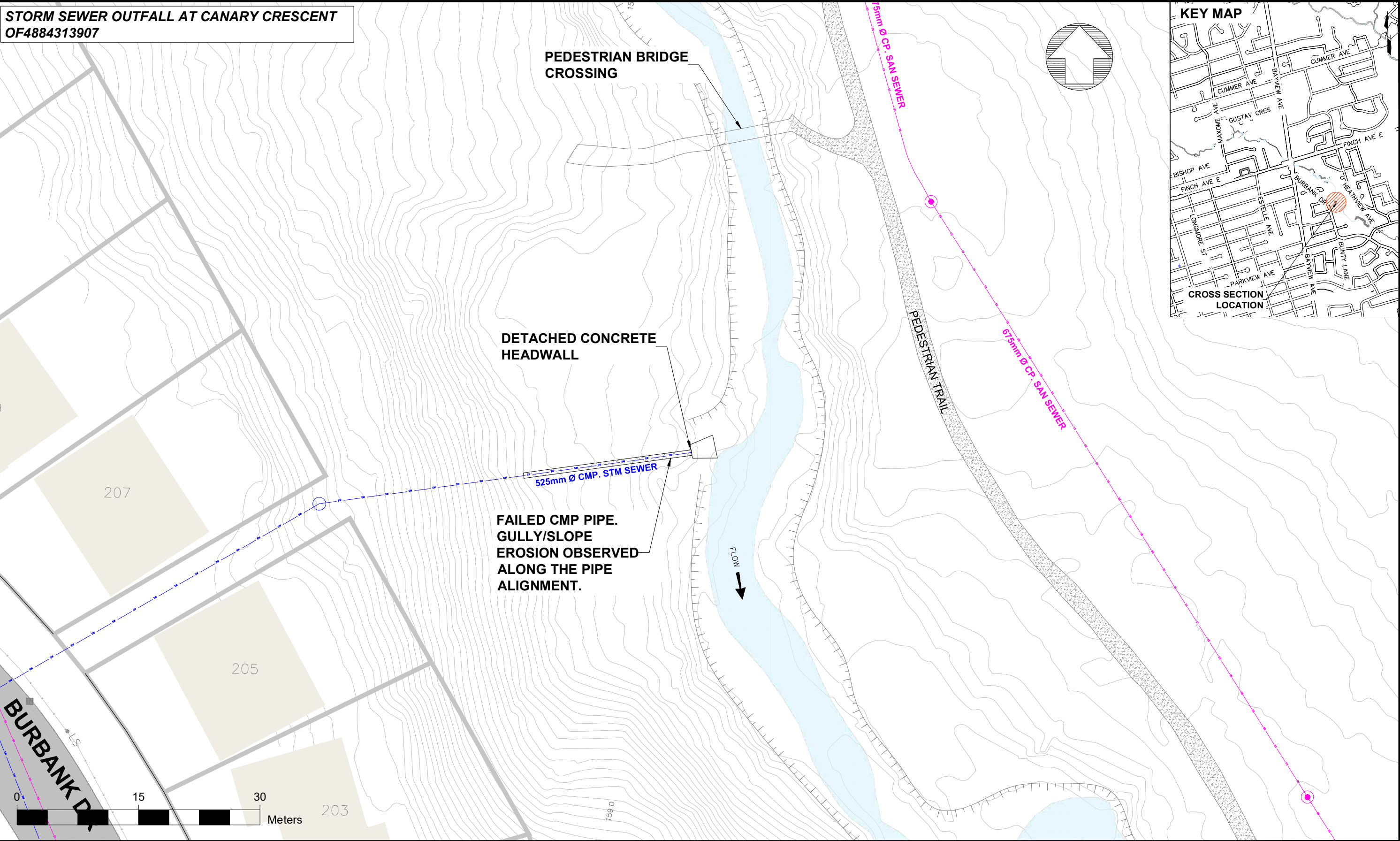
Toronto Water

NEWTONBROOK CREEK GEOMORPHIC SYSTEMS MASTER PLAN

City of Toronto

|                     |            |           |    |         |  |              |  |  |                     |
|---------------------|------------|-----------|----|---------|--|--------------|--|--|---------------------|
| STORM SEWER OUTFALL |            |           |    |         |  |              |  |  |                     |
| DESIGN:             |            | DRAFTING: | AB | CHECK:  |  | CONTRACT No. |  |  |                     |
| SCALE:              | N/A        |           |    | DRAWING |  |              |  |  | SHEET No.<br>1 OF 1 |
| DATE:               | 10/03/2022 |           |    | NUMBER: |  |              |  |  |                     |

## Consultants



| No. | DATE | REVISIONS | INITIAL | SIGNED |
|-----|------|-----------|---------|--------|
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |

**LEGEND**

STORM SEWER

SANITARY SEWER

STORM SEWER MANHOLE

SANITARY SEWER MANHOLE

CREEK

PROPERTY LINE

WATER MAIN

OUTFALL

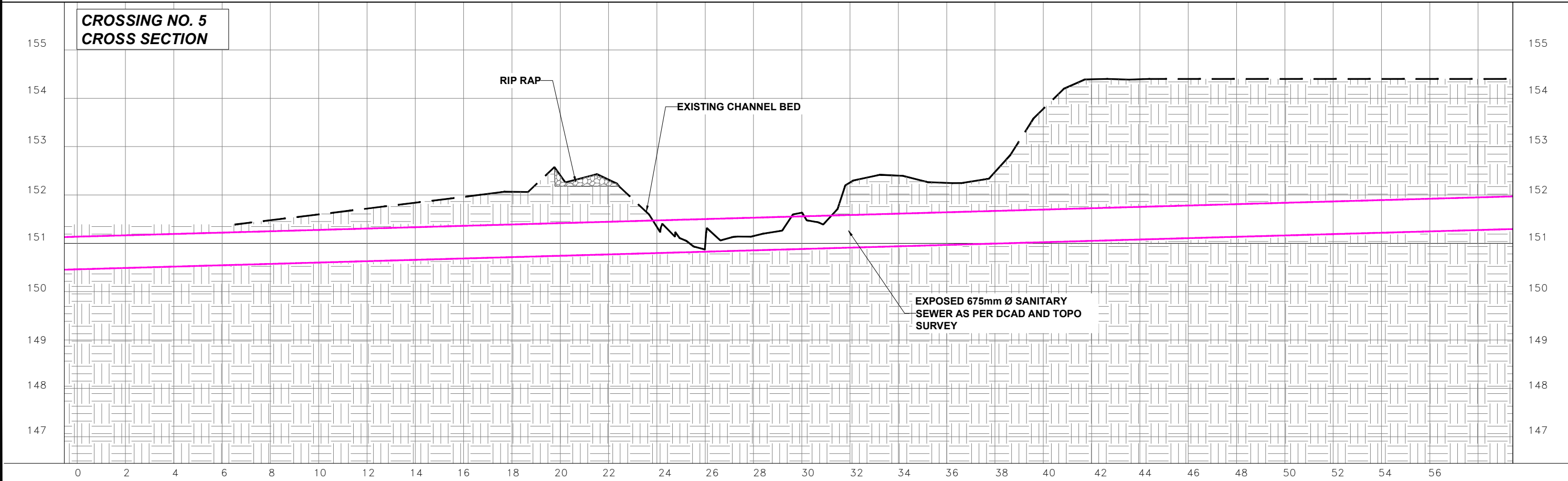
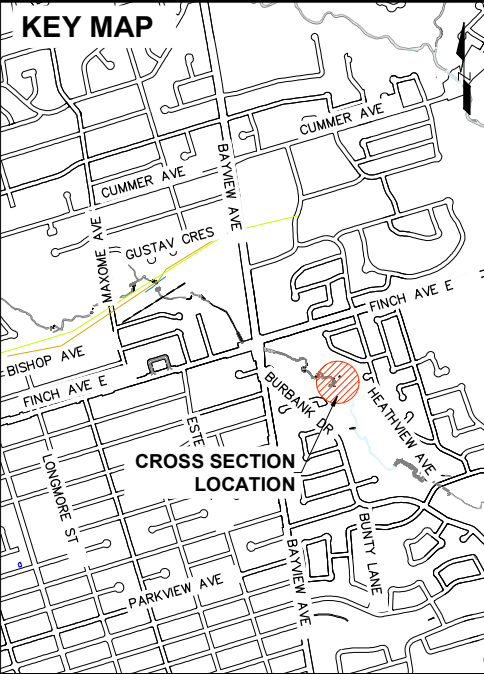
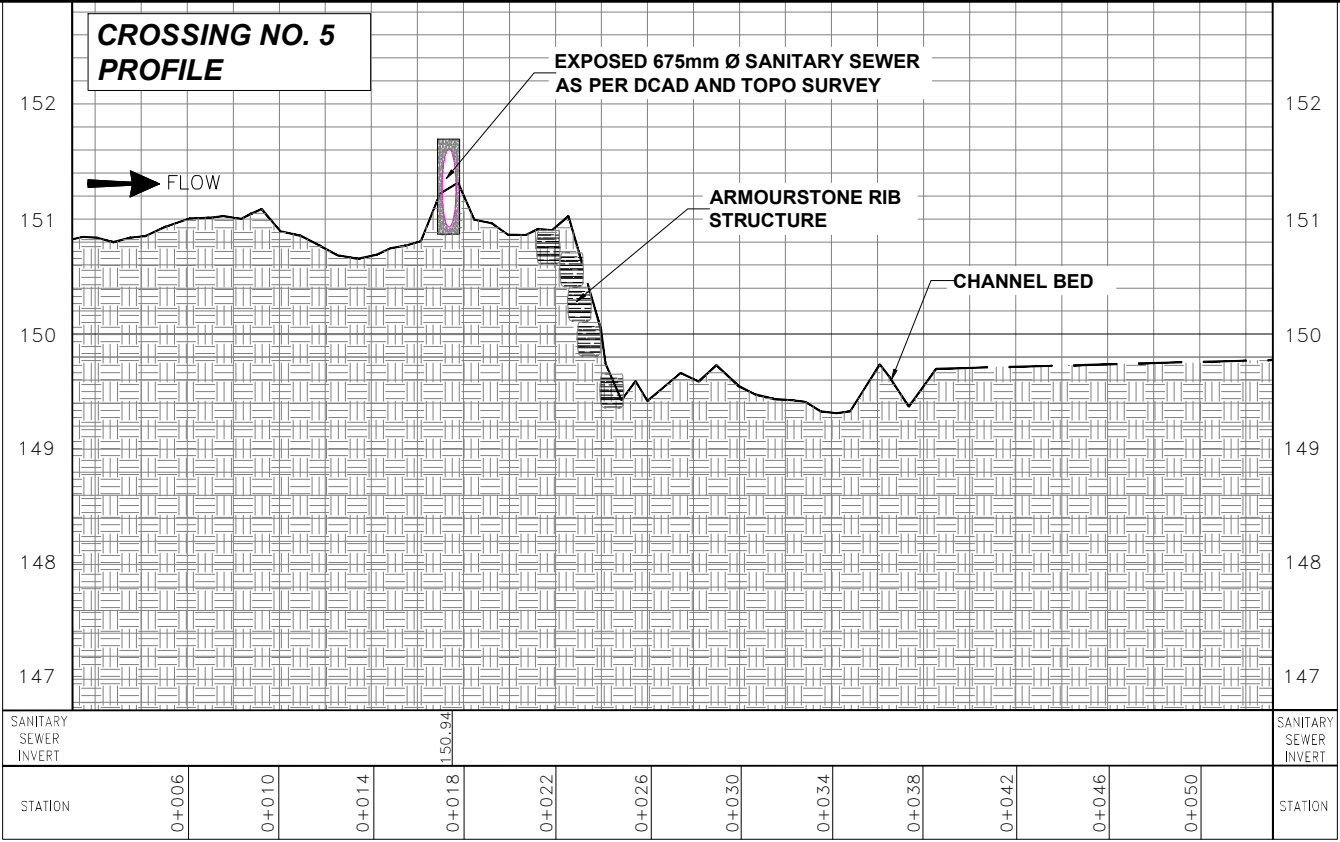
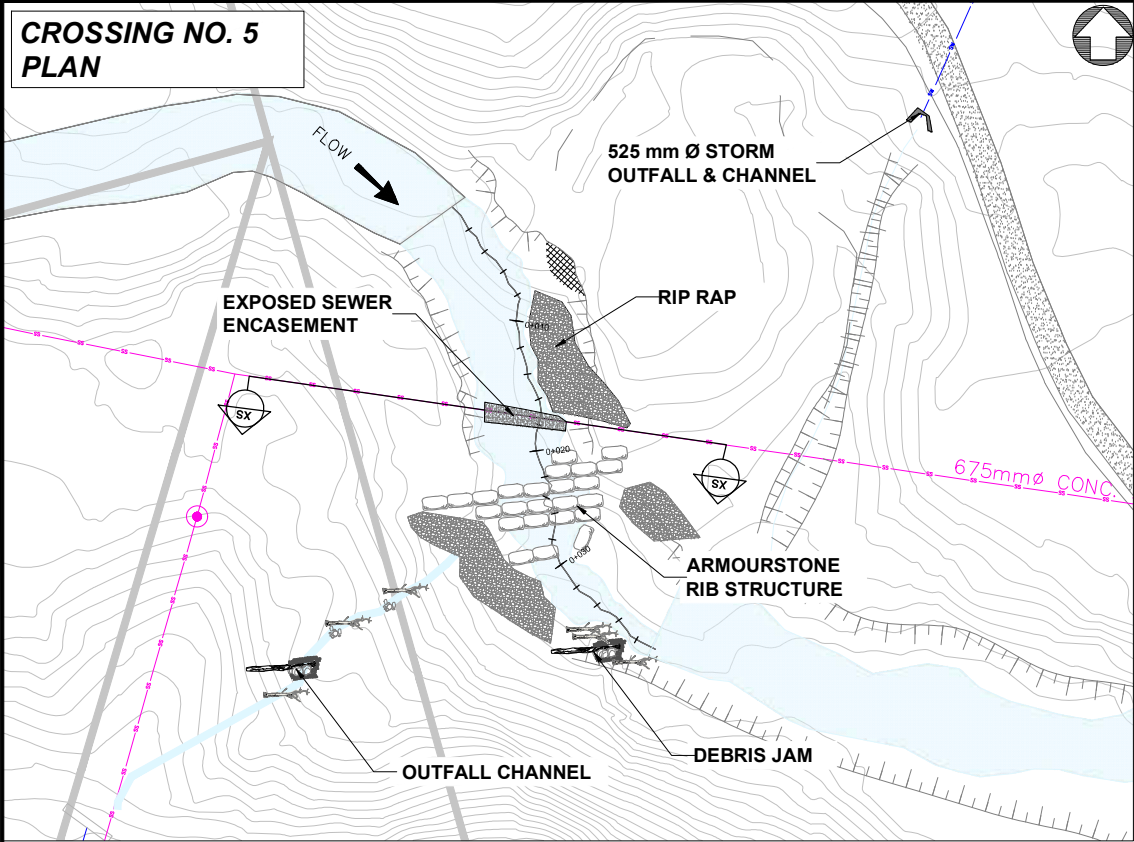
EXISTING TRAIL

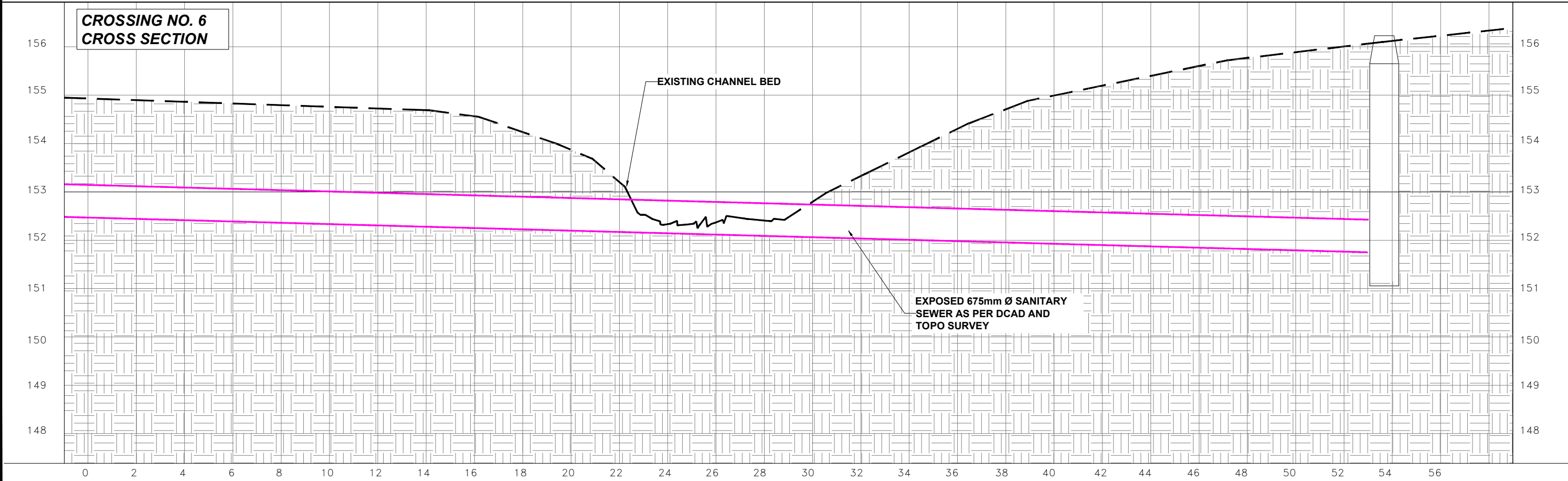
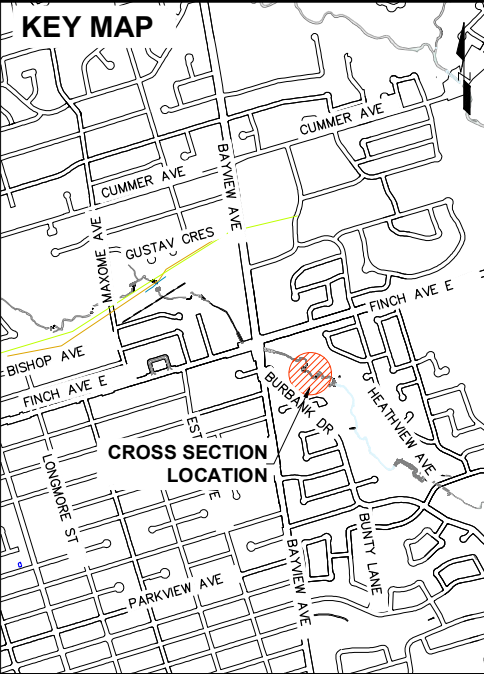
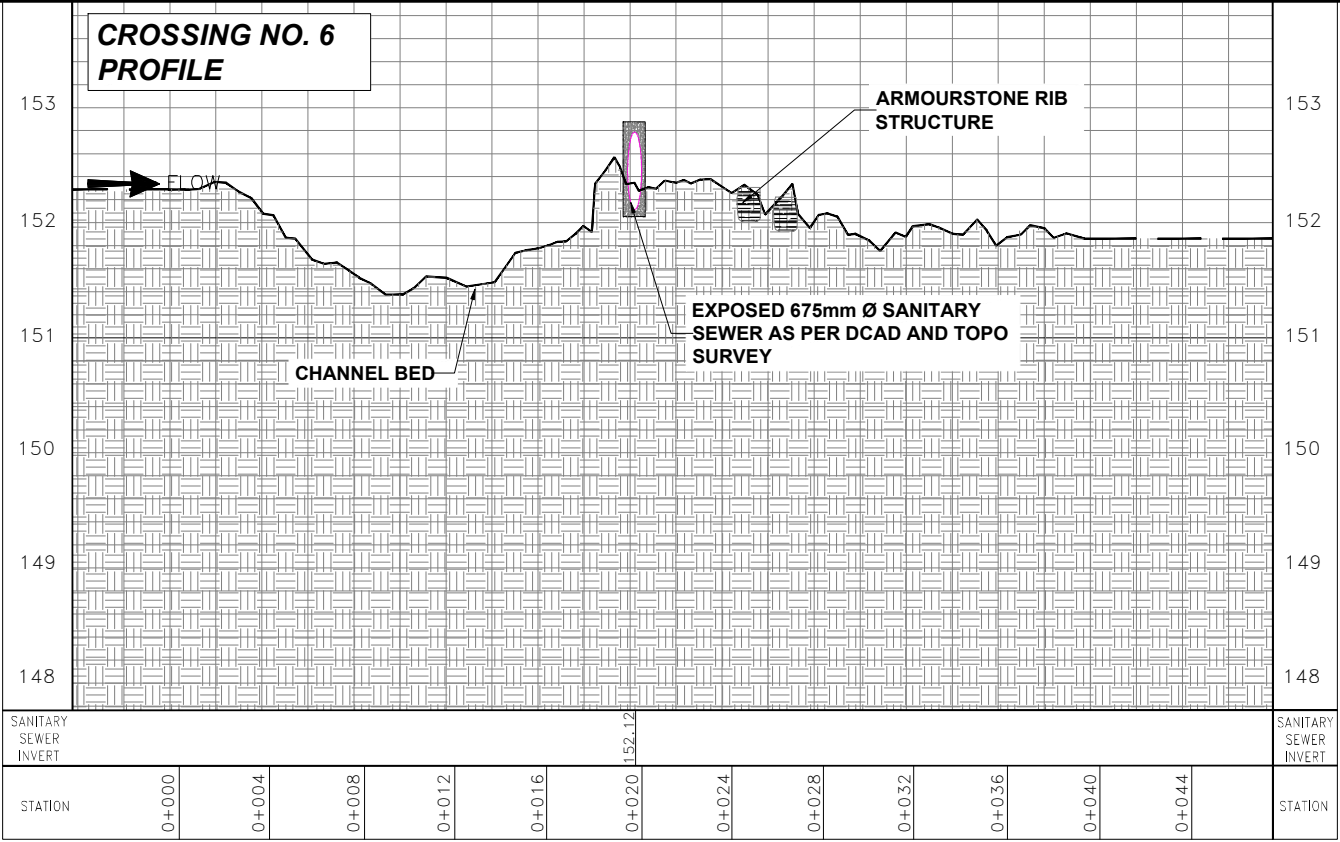
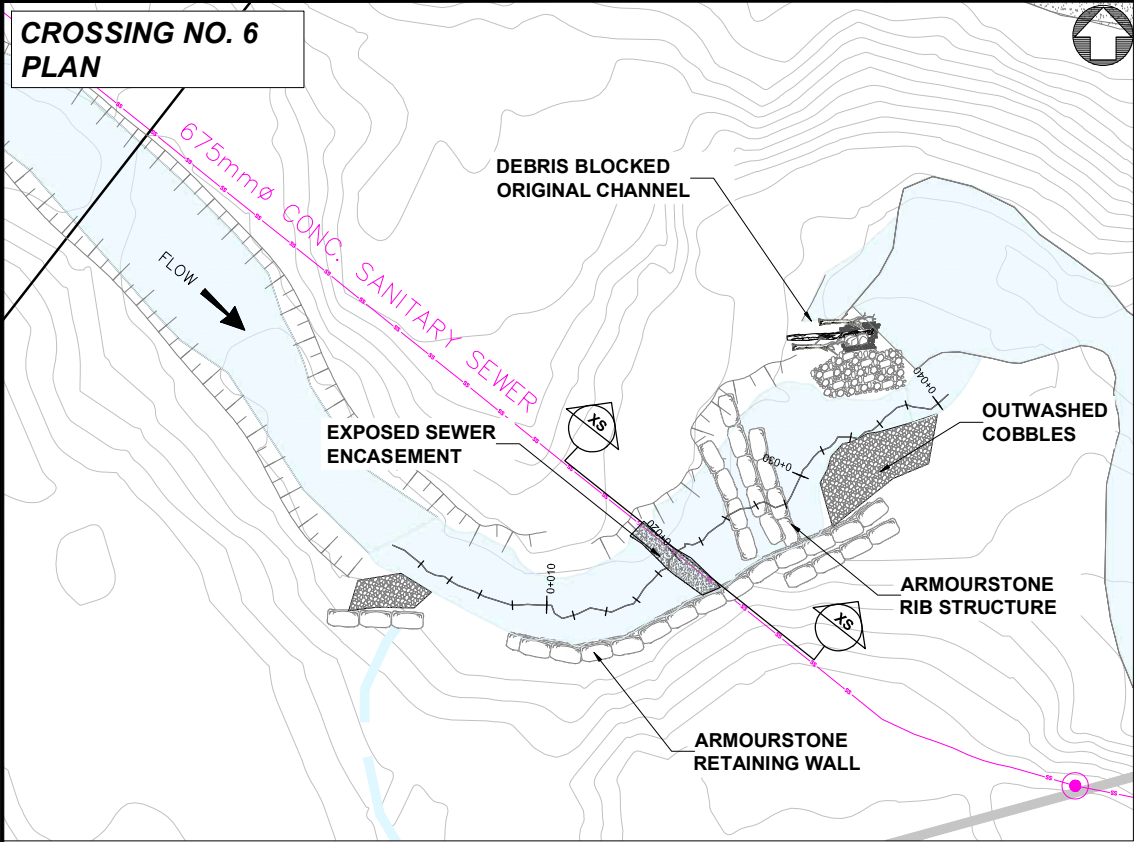
Toronto Water

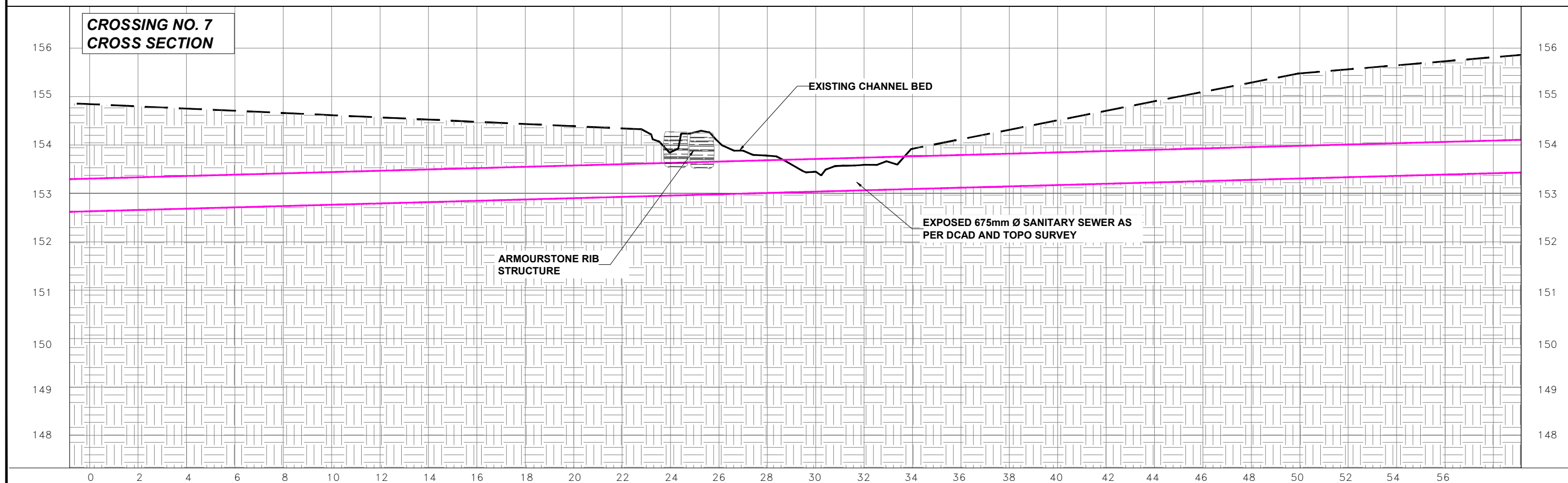
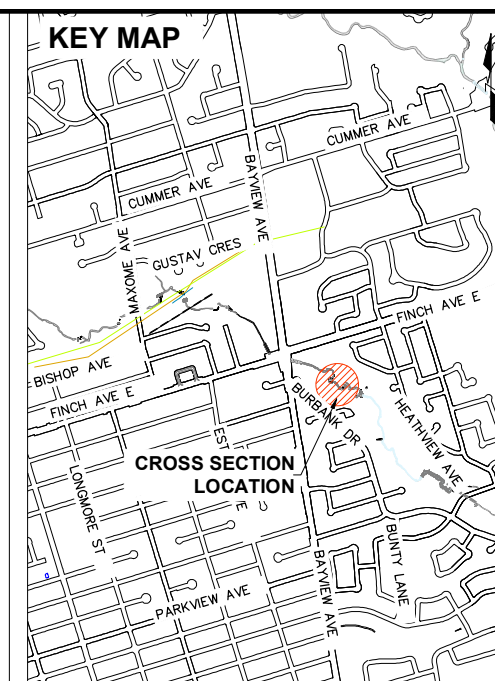
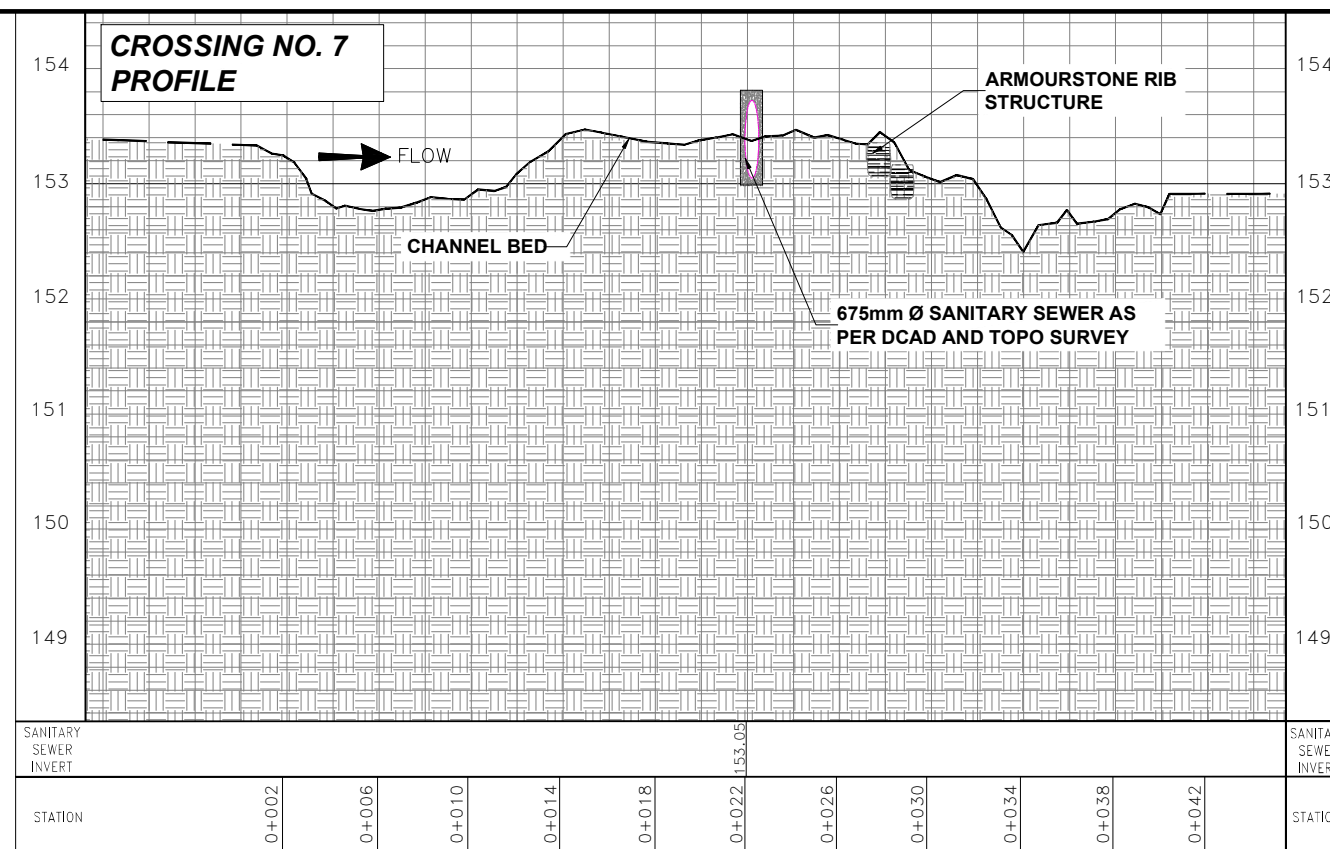
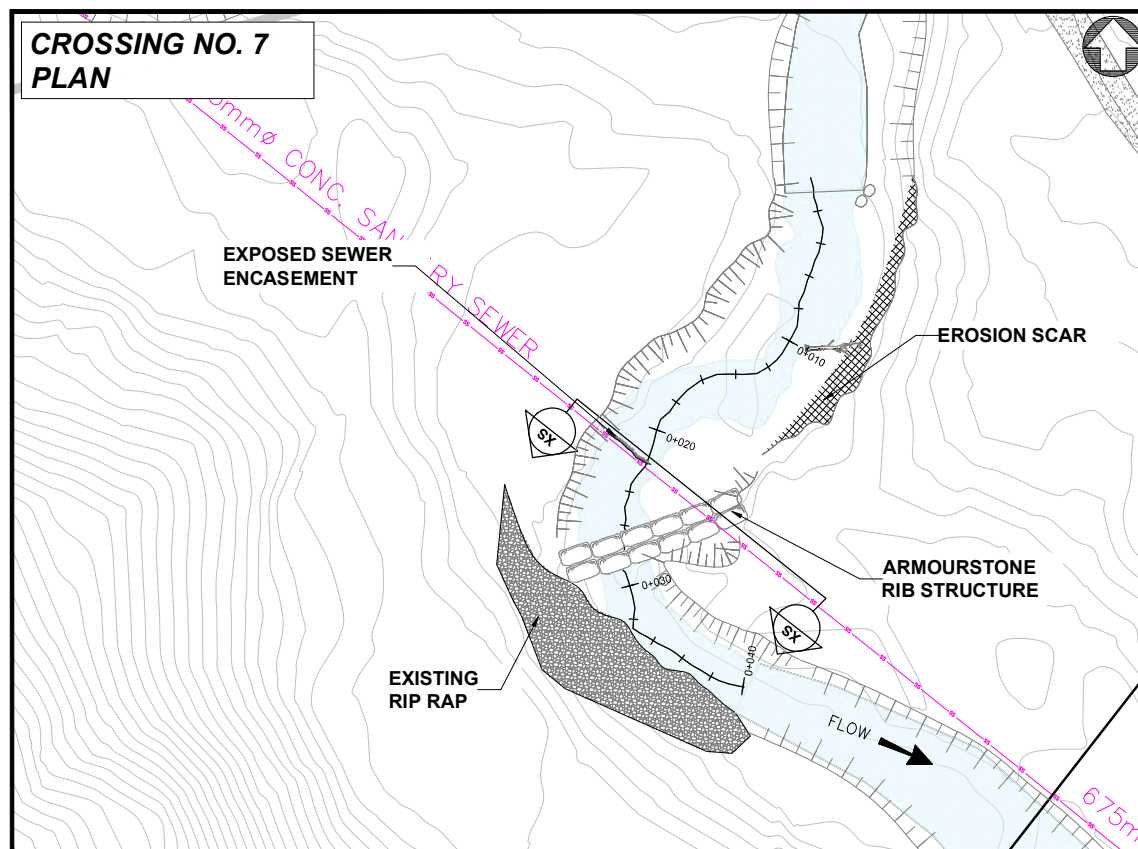
NEWTONBROOK CREEK GEOMORPHIC SYSTEMS MASTER PLAN

| City of Toronto     |                 |        |                  |
|---------------------|-----------------|--------|------------------|
| STORM SEWER OUTFALL |                 |        |                  |
| DESIGN:             | DRAFTING: AB    | CHECK: | CONTRACT No.     |
| SCALE: N/A          | DRAWING NUMBER: |        | SHEET No. 1 OF 1 |
| DATE: 10/03/2022    |                 |        |                  |



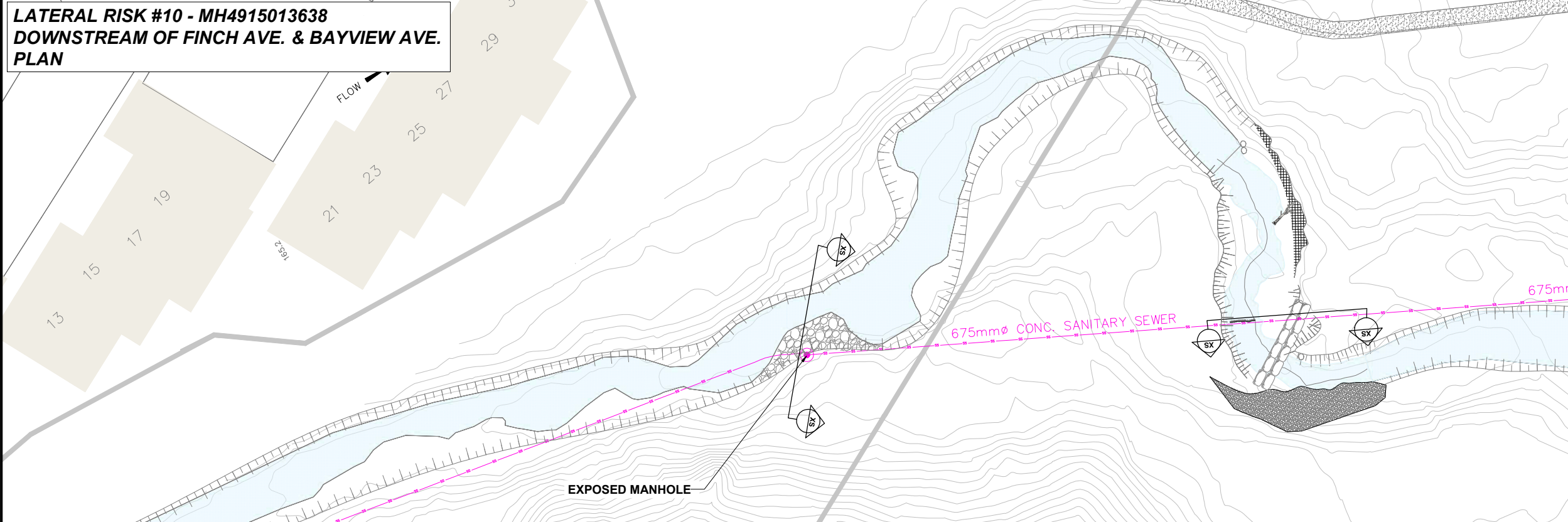




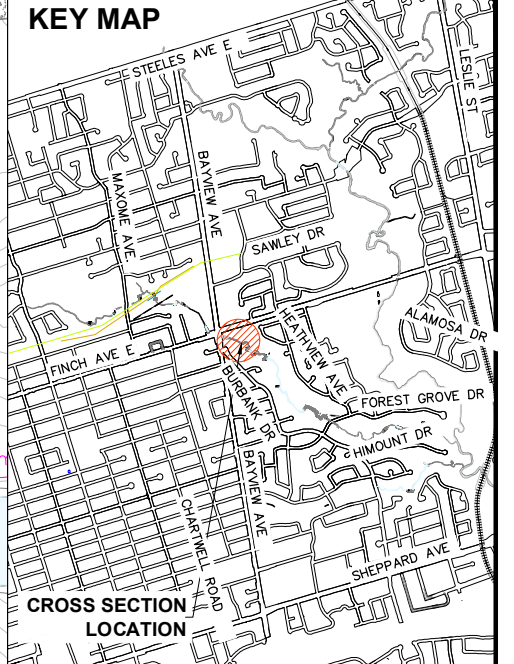




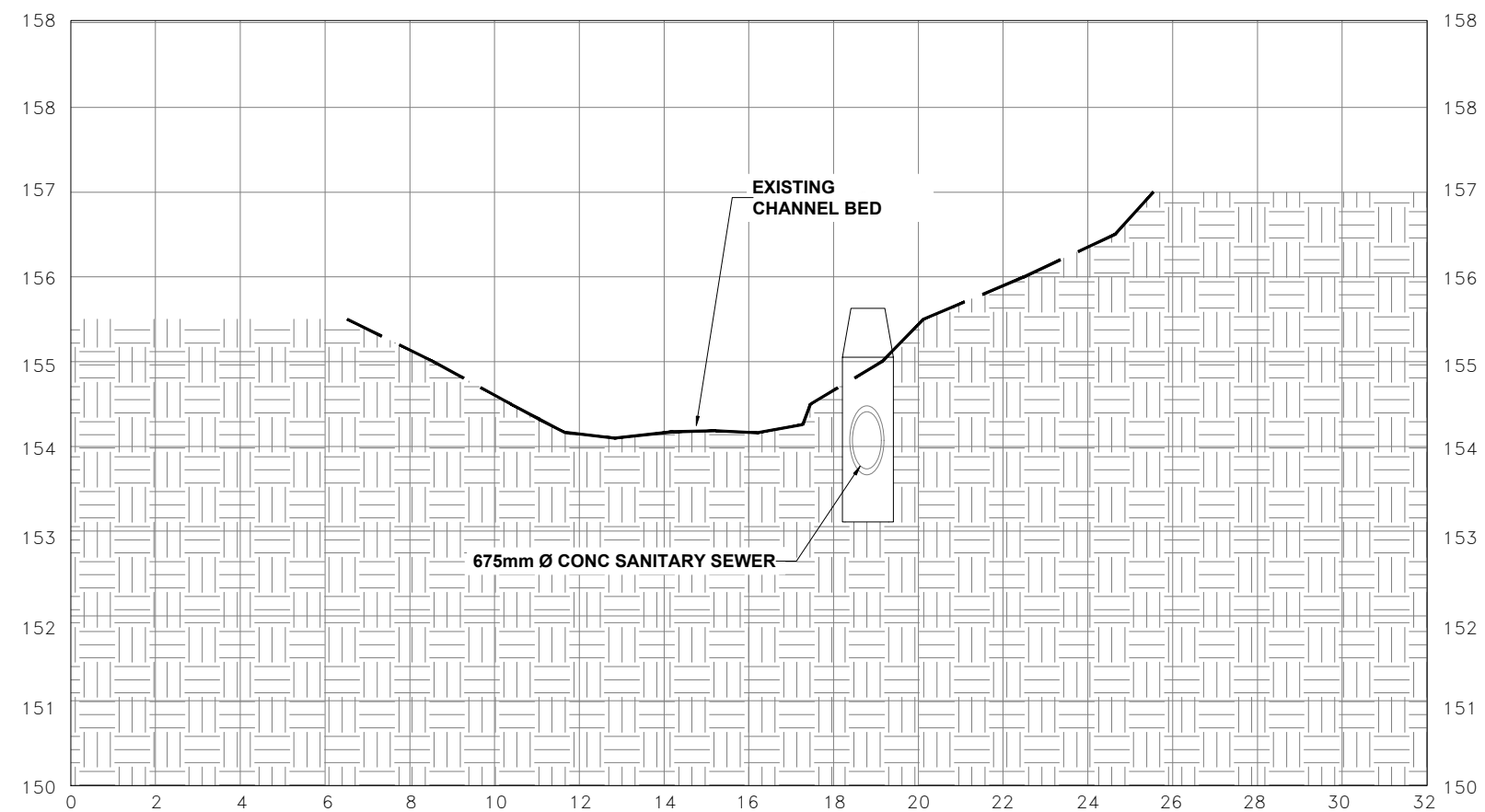
**LATERAL RISK #10 - MH4915013638  
DOWNSTREAM OF FINCH AVE. & BAYVIEW AVE.  
PLAN**



## KEY MAP



**LATERAL RISK #10 - MH4915013638  
DOWNSTREAM OF FINCH AVE. & BAYVIEW AVE.  
PLAN**



|     |      |           |         |        |
|-----|------|-----------|---------|--------|
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
|     |      |           |         |        |
| No. | DATE | REVISIONS | INITIAL | SIGNED |



## LEGEND

-  STORM SEWER
  CREEK
  EXISTING TRAIL
-  SANITARY SEWER
  PROPERTY LINE
-  STORM SEWER MANHOLE
  WATER MAIN
-  SANITARY SEWER MANHOLE
  OUTFALL

Toronto Water

NEWTONBROOK CREEK GEOMORPHIC SYSTEMS MASTER PLAN

City of Toronto

LATERAL RISK TO SANITARY SEWER - EXISTING CONDITIONS

|         |            |           |      |                    |                     |              |
|---------|------------|-----------|------|--------------------|---------------------|--------------|
| DESIGN: | R.A.       | DRAFTING: | P.S. | CHECK:             |                     | CONTRACT No. |
| SCALE:  | AS SHOWN   |           |      | DRAWING<br>NUMBER: | SHEET No.<br>1 OF 1 |              |
| DATE:   | 24/12/2021 |           |      |                    |                     |              |