Appendix 13-72

Ontario East Segment – Iroquois Section Detailed Route Map (Sheet 54)

Water Crossing Reference Table

Index No.	Crossing ID	Watercourse Name	Primary Crossing Method	Latitude	Longitude
1	ON-001-0	Foster Municipal Drain	Trenched (isolate if flowing)	N 44-53-26	W 75-17-34
2	ON-002-0	Landon McInnis Municipal Drain	Trenched (isolate if flowing)	N 44-53-41	W 75-17-01
3	ON-003-0	Unnamed Tributary to Landon McInnis Municipal Drain	Trenched (isolate if flowing)	N 44-53-45	W 75-16-52
4	ON-004-0	Unnamed Tributary to Landon McInnis Municipal Drain	Trenched (non-isolated)	N 44-53-47	W 75-16-47
5	ON-005-0	Zeran Municipal Drain	Trenched (isolate if flowing)	N 44-54-00	W 75-16-18
6	ON-006-5	Zeran Municipal Drain	Trenched (non-isolated)	N 44-54-05	W 75-16-07
7	ON-007-0	Zeran Municipal Drain	Trenched (open cut if dry or frozen)	N 44-54-07	W 75-16-02
8	ON-008-0	Unnamed Tributary to Zeran Municipal Drain	Trenched (open cut if dry or frozen)	N 44-54-09	W 75-15-57
9	ON-009-0	Unnamed Tributary to Zeran Municipal Drain	Trenched (open cut if dry or frozen)	N 44-54-19	W 75-15-37
10	ON-009-2	Unnamed Tributary to Zeran Municipal Drain	Trenched (isolate if flowing)	N 44-54-21	W 75-15-32
11	ON-010-0	Unnamed Tributary to Zeran Municipal Drain	Trenched (open cut if dry or frozen)	N 44-54-33	W 75-15-05
12	ON-011-0	Unnamed Tributary to Zeran Municipal Drain	Trenched (isolate if flowing)	N 44-54-35	W 75-15-01
13	ON-011-6	Unnamed Tributary to Zeran Municipal Drain	Trenched (isolate if flowing)	N 44-54-51	W 75-14-27
14	ON-011-7	Unnamed Tributary to Saddlemire Municipal Drain	Trenched (non-isolated)	N 44-54-53	W 75-14-22
15	ON-012-0	Zeran Municipal Drain	Trenched (isolate)	N 44-55-01	W 75-14-04
16	ON-013-0	Unnamed Tributary to Reuben Mattice Municipal Drain	Trenched (isolate if flowing)	N 44-55-31	W 75-12-47
17	ON-014-0	Unnamed Tributary to Reuben Mattice Municipal Drain	Trenched (isolate if flowing)	N 44-55-59	W 75-11-34
18	ON-015-0	Unnamed Tributary to Reuben Mattice Municipal Drain	Trenched (non-isolated)	N 44-56-02	W 75-11-26
19	ON-016-0	Unnamed Tributary to Wilson and Branches Municipal Drain	Trenched (isolate)	N 44-56-24	W 75-10-23
20	ON-017-0	Hoasic Creek	Trenched (isolate)	N 44-56-33	W 75-10-02
21	ON-018-0	Gogo Municipal Drain	Trenched (isolate if flowing)	N 44-57-36	W 75-07-37
22	ON-019-0	Gogo Municipal Drain	Trenched (isolate if flowing)	N 44-57-44	W 75-07-18
23	ON-019-2	Unnamed Tributary to Gogo Municipal Drain	Trenched (isolate if flowing)	N 44-57-47	W 75-07-10
24	ON-020-0	Unnamed Tributary to Aultsville Creek	Trenched (isolate)	N 44-58-16	W 75-06-02
25	ON-021-0	Unnamed Tributary to Aultsville Creek	Trenched (isolate)	N 44-58-43	W 75-04-56
26	ON-022-0	Unnamed Tributary to Aultsville Creek	Trenched (isolate if flowing)	N 44-58-47	W 75-04-47
27	ON-023-0	Unnamed Tributary to Aultsville Creek	Trenched (isolate if flowing)	N 44-58-48	W 75-04-46
28	ON-024-0	Unnamed Tributary to Aultsville Creek	Trenched (isolate if flowing)	N 44-58-49	W 75-04-43
29	ON-025-0	Unnamed Tributary to Aultsville Creek	Trenched (isolate if flowing)	N 44-58-50	W 75-04-41
30	ON-025-4	Unnamed Pond	Trenched (open cut if dry or frozen)	N 44-59-05	W 75-04-06
31	ON-027-0	Frank Dafoe Drain	Trenched (open cut if dry or frozen)	N 44-59-32	W 75-03-04
32	ON-027-2	Frank Dafoe Drain	Trenched (isolate if flowing)	N 44-59-34	W 75-02-58
33	ON-027-3	Frank Dafoe Drain	Trenched (open cut if dry or frozen)	N 44-59-34	W 75-02-57
34	ON-027-5	Frank Dafoe Drain	Trenched (isolate if flowing)	N 44-59-37	W 75-02-51
35	ON-028-0	Unnamed Tributary to the Dafoe Branch of Hoople Creek	Trenched (isolate)	N 45-00-10	W 75-01-40
36	ON-029-0	Unnamed Tributary to Hoople Creek	Trenched (isolate)	N 45-00-44	W 75-00-18
37	ON-029-2	Unnamed Tributary to Hoople Creek	Trenched (isolate if flowing)	N 45-00-45	W 75-00-16
38	ON-030-5	Hoople Creek	Trenched (isolate if flowing)	N 45-00-54	W 74-59-54
39	ON-031-5	Unnamed Tributary to Hoople Creek	Trenchless due to proximity to planned road crossing	N 45-00-55	W 74-59-50
40	ON-032-1	Unnamed Tributary to Hoople Creek	Trenchless (included in trenchless crossing of Stormont, Dundas, Glengarry Road 14)	N 45-00-55	W 74-59-49
41	ON-033-0	Unnamed Tributary to Hoople Creek	Trenched (open cut if dry or frozen)	N 45-01-04	W 74-59-26
42	ON-033-2	Unnamed Tributary to Hoople Creek	Trenched (isolate if flowing)	N 45-01-08	W 74-59-17
43	ON-034-0	A.J. Beckstead Drain	Trenched (isolate if flowing)	N 45-01-17	W 74-58-50
44	ON-035-4	Hanson Branch of A.J. Beckstead Drain	Trenched (isolate if flowing)	N 45-01-22	W 74-58-38
45	ON-036-0	Unnamed Tributary to St. Lawrence River	Trenched (open cut if dry or frozen)	N 45-01-36	W 74-57-59
46	ON-037-0	Unnamed Tributaries to Raisin River	Trenched (non-isolated)	N 45-01-40	W 74-57-50
47	ON-038-0	Unnamed Tributaries to Raisin River	Trenched (non-isolated)	N 45-01-40	W 74-57-49
48	ON-039-0	Unnamed Tributary to St. Lawrence River	Trenched (isolate if flowing)	N 45-01-46	W 74-57-34
49	ON-040-0	Unnamed Tributary to St. Lawrence River	Trenched (non-isolated)	N 45-01-48	W 74-57-28
50	ON-040-2	Unnamed Tributary to St. Lawrence River	Trenched (isolate if flowing)	N 45-01-50	W 74-57-22
51	ON-041-0	Campbell Drain	Trenched (isolate if flowing)	N 45-01-58	W 74-57-06
52	ON-042-0	Unnamed Tributary to St. Lawrence River	Trenched (non-isolated)	N 45-01-59	W 74-57-04
53	ON-043-0	Unnamed Tributary to St. Lawrence River	Trenched (non-isolated)	N 45-02-12	W 74-56-36
54	ON-044-0	Unnamed Tributary to St. Lawrence River	Trenched (non-isolated)	N 45-02-22	W 74-56-16
55	ON-045-0	Murray Drain	Trenched (isolate if flowing)	N 45-02-34	W 74-55-52
56	ON-046-0	Unnamed Tributary to Murray Drain	Trenched (isolate if flowing)	N 45-03-07	W 74-54-12
57	ON-047-0	Unnamed Pond	Trenched (non-isolated)	N 45-03-36	W 74-53-17
58	ON-047-5	Unnamed Tributary to Raisin River	Trenched (isolate if flowing)	N 45-04-16	W 74-51-47
59	ON-047-9	Unnamed Tributary to Raisin River	Trenched (isolate if flowing)	N 45-04-18	W 74-51-42
60	ON-048-0	Unnamed Tributary to Raisin River	Trenched (isolate if flowing)	N 45-04-51	W 74-50-20
61	ON-049-1	Unnamed Tributary to Raisin River	Trenched (isolate if flowing)	N 45-05-05	W 74-49-13
62	ON-050-0	Unnamed Tributary to Raisin River	Trenched (isolate if flowing)	N 45-05-09	W 74-48-43
63	ON-051-0	Unnamed Tributary to McIntosh Municipal Drain	Trenched (non-isolated)	N 45-06-22	W 74-45-58
64	ON-053-0	Murray Branch of the McIntosh Drain	Trenched (isolate if flowing)	N 45-06-47	W 74-45-18
65	ON-053-5	Unnamed Tributary to McIntosh Drain	Trenched (isolate if flowing)	N 45-06-56	W 74-45-03
66	ON-053-7	Unnamed Tributary to McIntosh Drain	Trenched (isolate if flowing)	N 45-07-00	W 74-44-58
67	ON-054-0	McIntosh Drain	Trenched (isolate if flowing)	N 45-07-10	W 74-44-42
68	ON-055-0	Unnamed Tributary to McIntosh Drain	Trenched (non-isolated)	N 45-07-27	W 74-44-13
69	ON-056-0	Unnamed Tributary to Glen Falloch Municipal Drain	Trenched (non-isolated)	N 45-08-03	W 74-43-14
70	ON-057-0	Raisin River	Trenchless	N 45-08-53	W 74-41-51
71	ON-057-4	Unnamed Tributary to Raisin River	Trenched (open cut if dry or frozen)	N 45-09-17	W 74-41-18
72	ON-058-0	Unnamed Tributary to Lefebvre Branch of McIntyre Creek	Trenched (non-isolated)	N 45-09-47	W 74-40-48
73	ON-059-0	Lefebrvre Branch of McIntyre Creek	Trenched (isolate if flowing)	N 45-10-02	W 74-40-33
74	ON-060-0	Unnamed Tributary to Lefebvre Branch of McIntyre Creek	Trenched (isolate if flowing)	N 45-10-09	W 74-40-28
75	ON-060-5	Unnamed Tributary to Lefebvre Branch of McIntryre Creek	Trenched (open cut if dry or frozen)	N 45-10-37	W 74-40-03
76	ON-061-2	Unnamed Tributary to Lefebvre Branch of McIntryre Creek	Trenched (isolate if flowing)	N 45-10-46	W 74-39-51
77	ON-062-0	Leblanc Van Overbeek Municipal Drain/McIntyre Creek	Trenched (isolate if flowing)	N 45-11-28	W 74-38-00
78	ON-062-2	Unnamed Tributary to Sutherland Creek	Trenched (isolate if flowing)	N 45-12-17	W 74-36-54
79	ON-062-3	Unnamed Tributary to Sutherland Creek	Trenched (isolate if flowing)	N 45-12-20	W 74-36-49
80	ON-062-4	Unnamed Tributary to Sutherland Creek	Trenched (isolate if flowing)	N 45-12-20	W 74-36-49
81	ON-062-5	Unnamed Tributary to Sutherland Creek	Trenched (isolate if flowing)	N 45-12-21	W 74-36-48

Crown Owned Segment Lengths - 1.9 km
Privately Owned Segment Lengths - 64.3 km

Teranet property mapping NOT A PLAN OF SURVEY
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Note: Corridor widths shown are not to scale and serve only as cartographic representations.

Note: Kilometre Posts (KP) shown are horizontal grid distances.

TransCanada

ENERGY EAST PIPELINE LTD

ENERGY EAST MAINLINE
ONTARIO SEGMENT
(IROQUOIS SECTION)

DETAILED ROUTE MAP

1:50,000 — 0 0.75 1.5 3 km

May 2, 2016	JDB-J8-MAP-054	Revision No. 2
Sheet 54	Alignment Route:EE4930-STCP-G-SU-0036_Ontario-Centreline-RevH-Slack-Chainage	