CITY OF VAUGHAN - HUMBER TRAIL

FEASIBILITY STUDY

BOYD CONSERVATION AREA TO STEELES AVENUE WEST
SEGMENT 1: PINE GROVE ROAD - BOYD CONSERVATION AREA

VAUGHAN

Toronto and Region Conservation Authority

SECTION P - P'

SECTION O - O'

SECTION N - N'

SECTION M - M'

SECTION L - L'

SECTION K - K'

*ALL TRAIL SEGMENT IN THIS SECTION SUBJECT TO MNRF REDSIDE DACE PERMIT

LEGEND

- 100 YEAR FLOODLINE
- 5 YEAR FLOODLINE
- 2 YEAR FLOODLINE
- PROPOSED CULVERT
- LAND PARCEL BOUNDARY
- EXISTING CYCLE ROUTE
- TRAIL CONNECTION
- WETLAND OR WATERCOURSE

TRAIL ALIGNMENT OPTION 1

- PROPOSED NEW AT GRADE TRAIL
- A PROPOSED ELEVATED PATHWAY/ BRIDGE/ SPAN
- V TO W — 255 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- W TO X — 22 M LENGTH BRIDGE CROSSING 1.5M ABOVE 2 YR FLOOD LEVEL (SUBJECT TO GEOMORPHIC STUDY)
- X TO Y — 430 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- Y TO Z — 22 M LENGTH BRIDGE CROSSING 1.5M ABOVE 2 YR FLOOD LEVEL (SUBJECT TO GEOMORPHIC STUDY)
- Z TO AA — 67 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- AA TO BB — 66 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE (SUBJECT TO REGION APPROVAL)
- BB TO CC — 380 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- CC TO DD — 36 M LENGTH BRIDGE CROSSING 1.5M ABOVE 2 YR FLOOD LEVEL (SUBJECT TO GEOMORPHIC STUDY)
- DD TO EE — 105 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE

FIXED ALIGNMENT

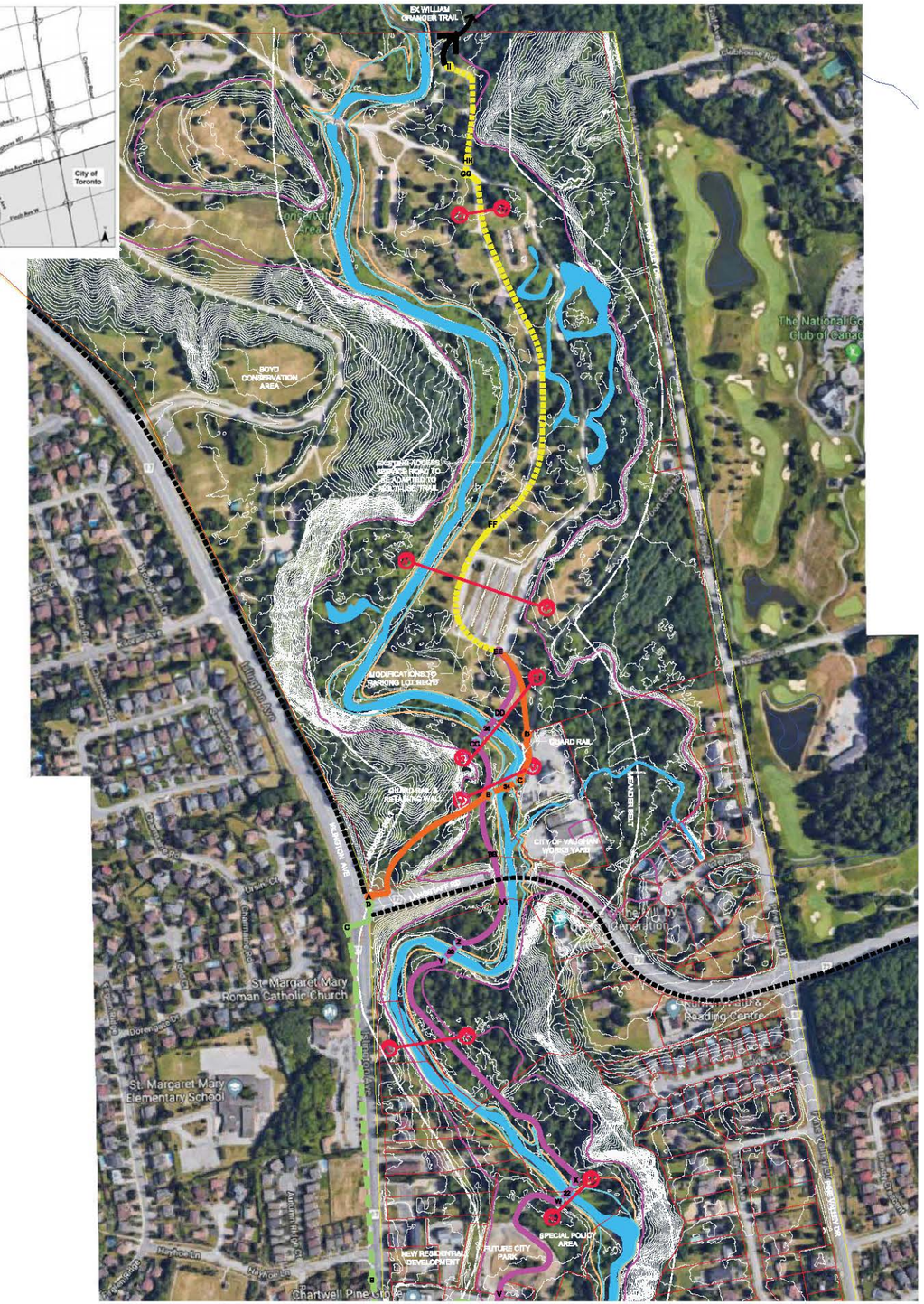
- RE-PURPOSED GRANULAR TRAIL
- EE TO FF — 240 M LENGTH GRANULAR TRAIL (RE-PURPOSED - WITHIN PARKING AREA)
- FF TO GG — 520 M LENGTH GRANULAR TRAIL (REPURPOSED ACCESS ROAD)
- GG TO HH — ROAD CROSSING (CONCRETE, LINEMARKING AND SIGNAGE)
- HH TO II — 160 M LENGTH GRANULAR TRAIL (REPURPOSED ACCESS ROAD)

TRAIL ALIGNMENT OPTION 2

- PROPOSED 3.0M WIDE BOULEVARD TRAIL
- B TO C — 495 M LENGTH BOULEVARD TRAIL ASPHALT TRAIL WITHIN ROAD R.O.W
- C TO D — PEDESTRIAN CROSSINGS (TWO) - SIGNAGE AND LINEMARKING

TRAIL ALIGNMENT OPTION 3

- PROPOSED 3.0M WIDE AT-GRADE TRAIL
- PROPOSED 3.0M WIDE ASPHALT TRAIL (ON INCLINED SECTIONS)
- A TO B — 236 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- B TO C — EXISTING BOWSTRING BRIDGE REPAIR OR REPLACEMENT (SUBJECT TO MNRF PERMIT & GEOMORPHIC STUDY)
- C TO D — 87 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- D TO EE — 180 M LENGTH GRANULAR TRAIL (RE-PURPOSED EXISTING TRAIL) TYPE B TRAIL - > 5 YR FLOODLINE



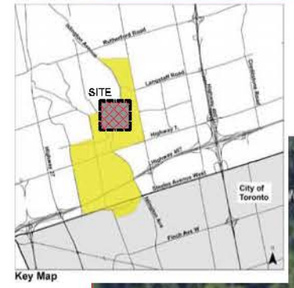
CITY OF VAUGHAN - HUMBER TRAIL

FEASIBILITY STUDY

BOYD CONSERVATION AREA TO STEELES AVENUE WEST
SEGMENT 2: THISTLEWOOD AVENUE - PINE GROVE ROAD

VAUGHAN

Toronto and Region Conservation Authority



TRAIL ALIGNMENT OPTION 1

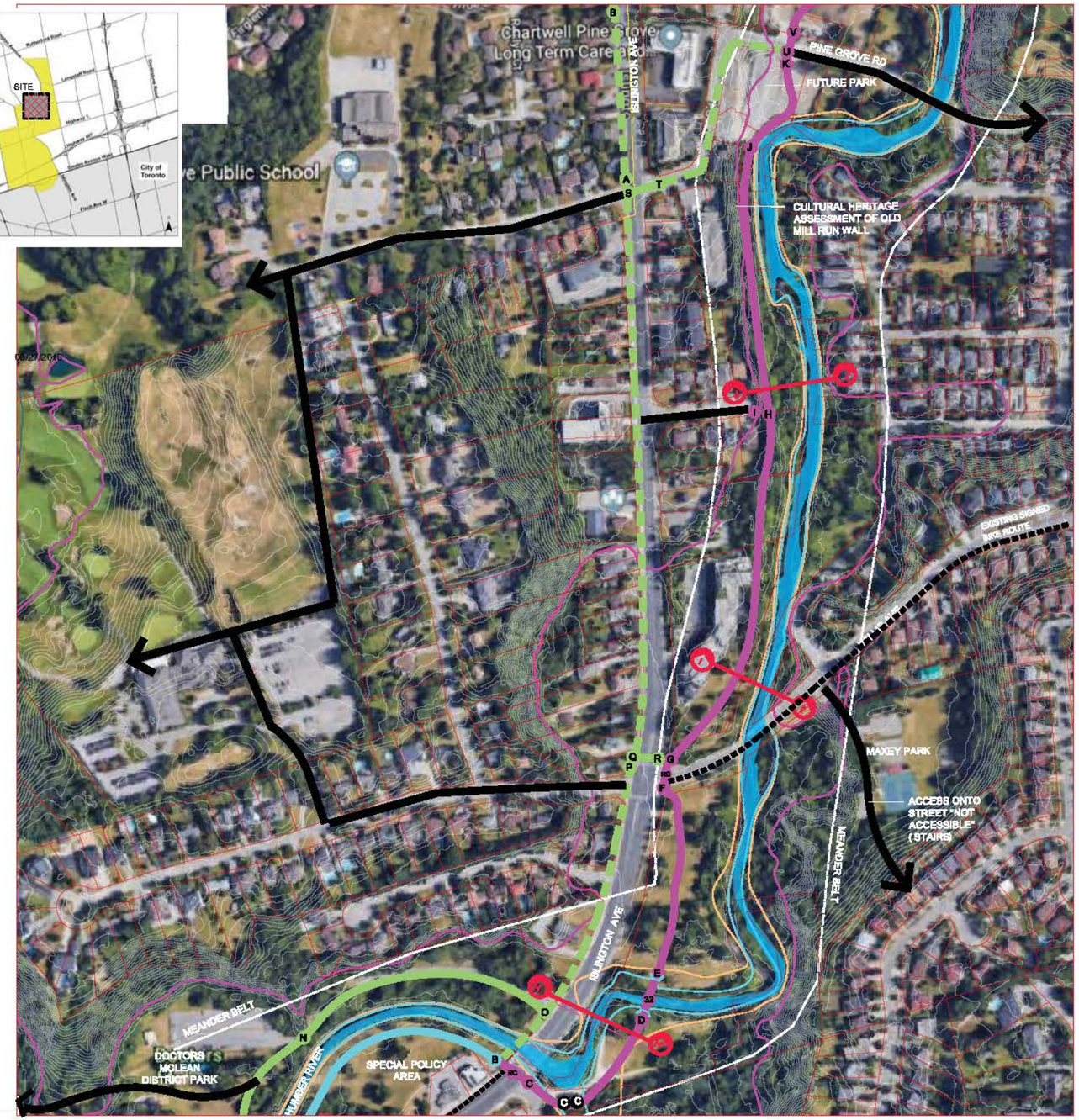
- PROPOSED 3.0M AT GRADE TRAIL
- PROPOSED 3.0M BOULEVARD TRAIL (R.O.W)
- PROPOSED LINEMARKING TRAIL (ON ROAD)
- N TO O — 280 M LENGTH ASPHALT TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- B TO D — 60 M LENGTH ASPHALT BOULEVARD TRAIL (WITHIN R.O.W)
- O TO P — 280 M LENGTH ASPHALT BOULEVARD TRAIL (WITHIN R.O.W)
- Q TO R — PROPOSED PEDESTRIAN ACTIVATED SIGNAL CROSSING WITH LINEMARKING
- Q TO S — 540 M LENGTH ASPHALT BOULEVARD TRAIL (WITHIN R.O.W)
- S TO T — PROPOSED PEDESTRIAN ACTIVATED SIGNAL CROSSING (SUBJECT TO TRAFFIC ANALYSIS)
- T TO U — 225M ON ROAD ROUTE (LINEMARKING AND SIGNAGE)
- U TO V — PROPOSED SIGNED PEDESTRIAN CROSSING WITH LINEMARKING
- A TO B — 170 M LENGTH ASPHALT BOULEVARD TRAIL (WITHIN R.O.W)

TRAIL ALIGNMENT OPTION 2

- PROPOSED NEW AT GRADE TRAIL
- PROPOSED ELEVATED PATHWAY/ BRIDGE
- PEDESTRIAN CROSSING ENHANCEMENTS
- B TO C — PROPOSED PEDESTRIAN ACTIVATED SIGNAL CROSSING
- C TO D — 160 M LENGTH GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- D TO E — 32 M LENGTH BRIDGE CROSSING 1.2M ABOVE 2 YR FLOOD LEVEL (SUBJECT TO GEOMORPHIC STUDY)
- E TO F — 195 M LENGTH GRANULAR TRAIL TYPE B TRAIL -> 5 YR FLOODLINE
- F TO G — PROPOSED PEDESTRIAN ACTIVATED SIGNAL CROSSING
- G TO H — 260 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE SUBJECT TO EASEMENT/ APPROVAL OF PRIVATE LANDOWNER. A PORTION OF THE LAND OWED BY TRCA.
- I — STAIRWAY ON HELICAL PILES
- H TO J — 260 M LENGTH BOARDWALK OR GRANULAR TRAIL WITH DRAINAGE BENEATH TRAIL (REQUIRES LAND ACQUISITION) (SUBJECT TO CULTURAL / HERITAGE AND STORMWATER MANAGEMENT STUDY)
- J TO K — 105 M LENGTH GRANULAR TRAIL TYPE B TRAIL -> 5 YR FLOODLINE (THROUGH CITY PARKLAND)

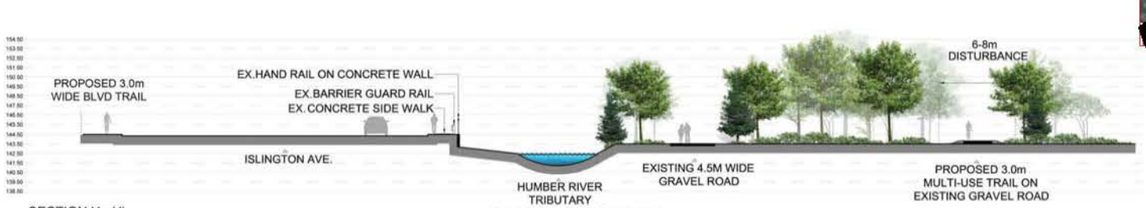
LEGEND

- 100 YEAR FLOODLINE
- 5 YEAR FLOODLINE
- 2 YEAR FLOODLINE
- PROPOSED CULVERT
- LAND PARCEL BOUNDARY
- EXISTING CYCLE ROUTE
- FUTURE NEIGHBOURHOOD CONNECTION
- WETLAND OR WATERCOURSE



SECTION J - J'

SECTION I - I'



SECTION H - H'

CITY OF VAUGHAN - HUMBER TRAIL

FEASIBILITY STUDY

BOYD CONSERVATION AREA TO STEELES AVENUE WEST
SEGMENT 3: HIGHWAY 7 - THISTLEWOOD AVENUE

VAUGHAN

Toronto and Region Conservation Authority

FIXED ALIGNMENT

- PROPOSED ELEVATED PEDESTRIAN BRIDGE SPAN
- PROPOSED 3.0M WIDE AT-GRADE TRAIL
- PROPOSED ROAD CROSSING

(H) TO (I) 150 M LENGTH ASPHALT TRAIL (WITHIN PARKING) TYPE 6 TRAIL - > 5 YR FLOODLINE

(I) TO (J) 240 M LENGTH MULTI-PURPOSED CONCRETE TRAIL WIDENED CONCRETE PATHWAY

TRAIL ALIGNMENT OPTION 1

(J) TO (K) PROPOSED PEDESTRIAN ACTIVATED SIGNAL CROSSINGS

(K) TO (L) 200 M LENGTH ASPHALT TRAIL TYPE 6 TRAIL - > 5 YR FLOODLINE

(L) TO (M) 22 M LENGTH BRIDGE CROSSING 1.5M ABOVE 5 YR FLOOD LEVEL (SUBJECT TO GEOMORPHO STUDY)

(M) TO (N) 160 M LENGTH ASPHALT TRAIL TYPE 6 TRAIL - > 5 YR FLOODLINE

TRAIL ALIGNMENT OPTION 2

- PROPOSED REP AT GRADE TRAIL

(A) TO (B) 600M LENGTH GRANULAR TRAIL TYPE 6 TRAIL - > 5 YR FLOODLINE

TRAIL ALIGNMENT OPTION 3

- PROPOSED 4.0M WIDE GRANULAR AT-GRADE TRAIL

(C) TO (D) 320 M LENGTH GRANULAR TRAIL TYPE 6 TRAIL - > 5 YR FLOODLINE

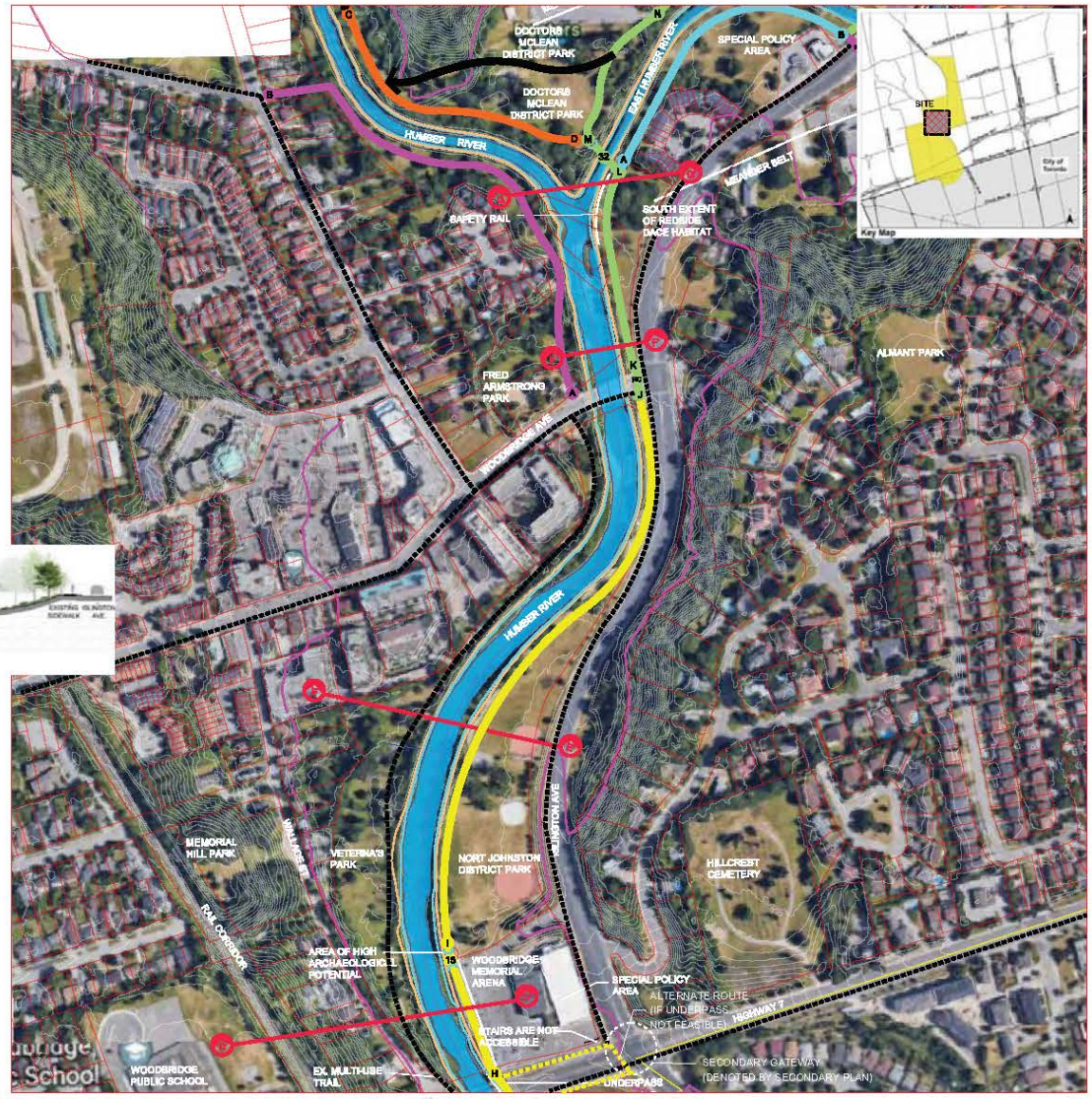
TRAIL ALIGNMENT OPTION 4

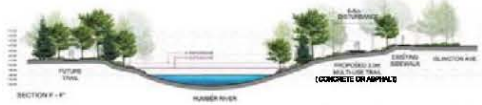
- PROPOSED 3.0M TRUE GRANULAR AT-GRADE TRAIL

(A) TO (B) 520 M LENGTH ASPHALT TRAIL TYPE 6 TRAIL - > 5 YR FLOODLINE

LEGEND

- 100 YEAR FLOODLINE
- 5 YEAR FLOODLINE
- 2 YEAR FLOODLINE
- PROPOSED CULVERT
- LAND PARCEL BOUNDARY
- EXISTING CYCLE ROUTE
- POTENTIAL FUTURE TRAIL LINKS
- WETLAND OR WATERCOURSE





CITY OF VAUGHAN - HUMBER TRAIL

FEASIBILITY STUDY

BOYD CONSERVATION AREA TO STEELES AVENUE WEST
SEGMENT 4: HIGHWAY 407 - HIGHWAY 7

VAUGHAN

Toronto and Region Conservation Authority

SECTION A - A'

SECTION B - B'

FIXED TRAIL ALIGNMENT

PROPOSED AT-GRADE TRAIL

- A TO B — 280 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- B TO C — 40 M LENGTH GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- C TO D — 75 M LENGTH BRIDGE CROSSING 1.5M ABOVE 5 YR FLOOD LEVEL (SUBJECT TO GEOMORPHIC STUDY)
- D TO E — 140 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- E TO F — 116 M LENGTH WITHIN R.O.W. LINEMARKING - SHARED ROADWAY
- F TO G — 155 M LENGTH GRANULAR TRAIL TYPE C TRAIL > 100 YR FLOODLINE
- G TO H — 40 M LENGTH GRANULAR TRAIL UNDERPASS MUNICIPAL ROAD

TRAIL ALIGNMENT OPTION 1

PROPOSED NEW AT GRADE PATHWAY

PROPOSED ELEVATED PATHWAYS/BRIDGE

PROPOSED RE-PURPOSED TRAIL (EXISTING)

- A TO B — 50 M LENGTH GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- B TO C — 32 M LENGTH BRIDGE CROSSING 1.5M ABOVE 2 YR FLOOD LEVEL
- C TO D — 295 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- D TO E — 380 M LENGTH RE-PURPOSED GRAN. TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- E TO F — 100 M LENGTH GRANULAR TRAIL FILL - APPROACH TO BRIDGE DECK
- F TO G — 78 M LENGTH BRIDGE/ BOARDWALK 1.5M ABOVE 2 YR FLOOD LEVEL
- G TO H — 60 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE

TRAIL ALIGNMENT OPTION 2

PROPOSED NEW AT GRADE TRAIL

PROPOSED RE-PURPOSED TRAIL

- A TO B — 475 M LENGTH RE-PURPOSED GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- B TO C — 280 M LENGTH BOARDWALK
- C TO D — 700 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE

TRAIL ALIGNMENT OPTION 4

PROPOSED ASPHALT BOULEVARD TRAIL

- A TO B — 150 M LENGTH RE-PURPOSED GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- B TO C — 590 M LENGTH ASPHALT TRAIL WITHIN BOULEVARD ROW
- C TO D — 125 M LENGTH ASPHALT TRAIL WITHIN BOULEVARD ROW

TRAIL ALIGNMENT OPTION 3

PROPOSED NEW AT GRADE TRAIL

PROPOSED ELEVATED PATHWAYS/BRIDGE

- A TO B — 75 M LENGTH GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- B TO C — 480 M LENGTH BRIDGE
- C TO D — 60 M LENGTH GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- D TO E — 100 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- E TO F — 60M LENGTH BRIDGE
- F TO G — 35 M LENGTH GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- G TO D — 440 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE

SECTION C - C'

CITY OF VAUGHAN - HUMBER TRAIL

FEASIBILITY STUDY

BOYD CONSERVATION AREA TO STEELES AVENUE WEST
SEGMENT 5 : STEELES AVENUE WEST TO HIGHWAY 407

VAUGHAN

Toronto and Region Conservation Authority

FIXED ALIGNMENT

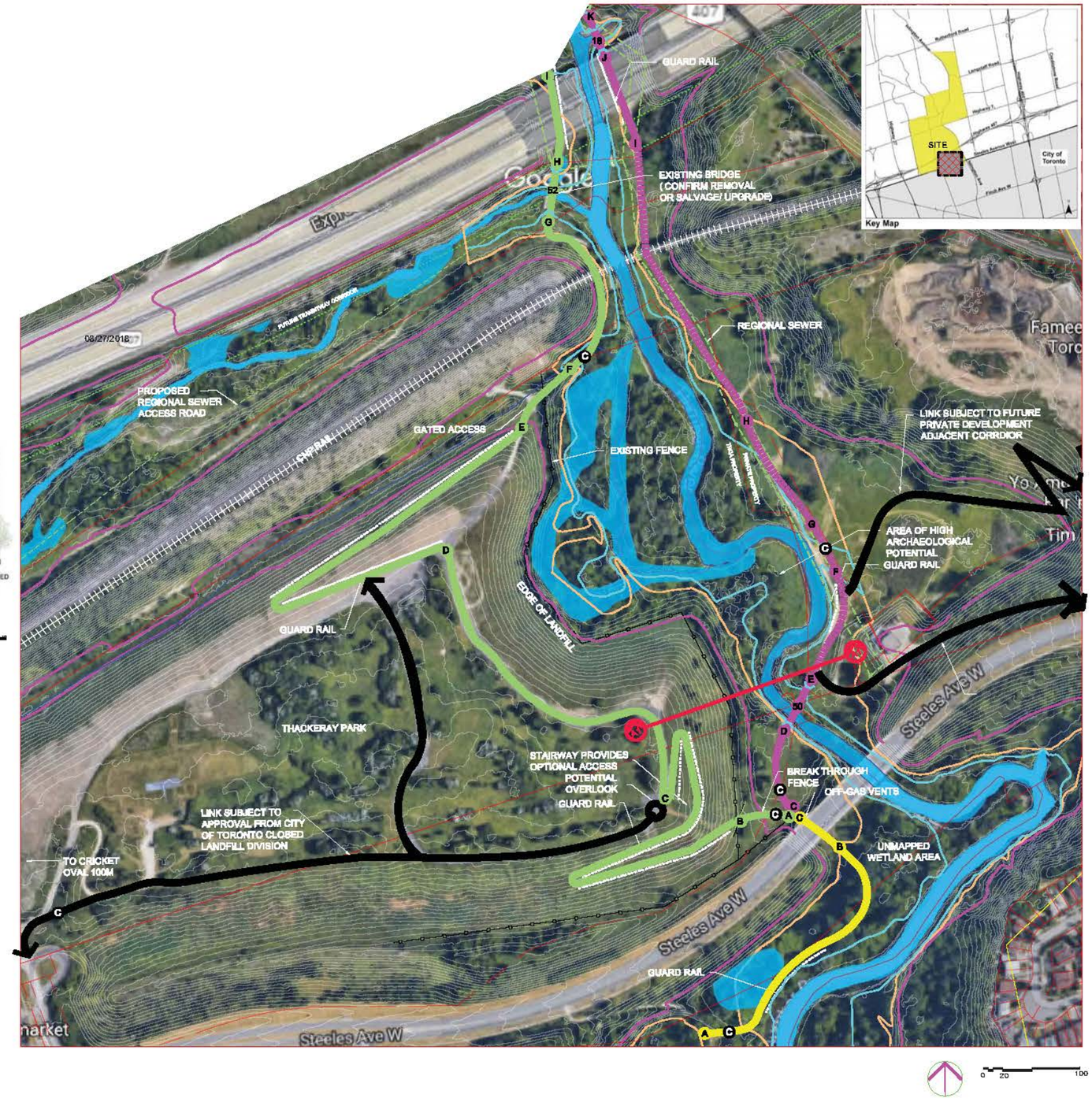
- PROPOSED 3.0M WIDE AT-GRADE TRAIL
- A TO B — 280 M LENGTH GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- B TO C — 55 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE

TRAIL ALIGNMENT OPTION 1

- PROPOSED 3.0M WIDE AT-GRADE TRAIL
- PROPOSED STAIRCASE
- A TO B — 85 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- B TO C — STAIRWAY (60 STEPS) 8 LANDINGS
- CITY OF TORONTO LANDFILL SITE
  - B TO C — 525 M LENGTH ASPHALT TRAIL FILL ON EMBANKMENT (MAX 10%) GUARD RAIL DOWNSLOPE SIDE
  - C TO D — 410 M LENGTH NEW GRANULAR TRAIL TYPE C TRAIL - > 100 YR FLOODLINE
  - D TO E — 640 M LENGTH NEW ASPHALT TRAIL FILL ON EMBANKMENT (MAX 10%) GUARD RAIL DOWNSLOPE SIDE
- E TO F — 60 M LENGTH NEW GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- F TO G — 205 M LENGTH GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- G TO H — EXISTING 40 M SPAN BRIDGE REPURPOSEMENT OR REPLACEMENT 110 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE (SUBJECT TO APPROVAL BY 407 ETR)

TRAIL ALIGNMENT OPTION 2

- PROPOSED 3.0M WIDE AT-GRADE TRAIL
- PROPOSED ELEVATED PATHWAY/ BRIDGE
- PROPOSED 3.0M WIDE TRAIL (EXISTING RE-PURPOSED TRAIL)
- C TO D — 110 M LENGTH GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE
- D TO E — 50 M LENGTH BRIDGE DECK LEVEL < 5 YR FLOODLINE
- E TO F — 180 M LENGTH RE-PURPOSED GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- F TO G — 40 M LENGTH TRAIL (BOARDWALK) TYPE A TRAIL - < 2 YR FLOODLINE
- G TO H — 135 M LENGTH RE-PURPOSED GRANULAR TRAIL TYPE A TRAIL - < 5 YR FLOODLINE
- H TO I — 320 M LENGTH PROPOSED GRANULAR TRAIL TYPE B TRAIL -> 5 YR FLOODLINE
- I TO J — 500 M LENGTH PROPOSED GRANULAR TRAIL TYPE B TRAIL - > 5 YR FLOODLINE) (SUBJECT TO ETR APPROVAL)
- J K — 50 M LENGTH PROPOSED GRANULAR TRAIL + BRIDGE TYPE B TRAIL -> 5 YR FLOODLINE

LEGEND

- 100 YEAR FLOODLINE
- 5 YEAR FLOODLINE
- 2 YEAR FLOODLINE
- PROPOSED CULVERT
- LAND PARCEL BOUNDARY
- FUTURE NEIGHBOURHOOD CONNECTION
- WETLAND OR WATERCOURSE