

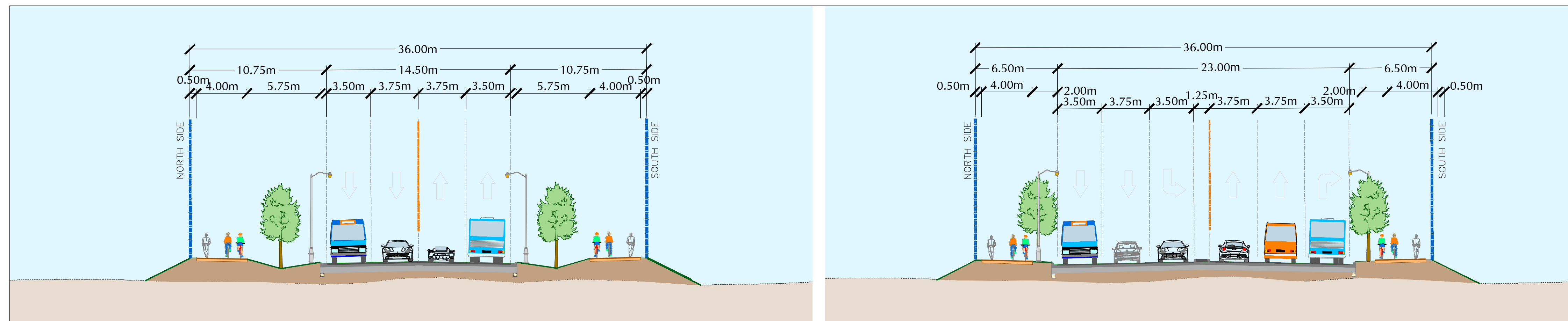


APPENDIX D
PRELIMINARY DESIGN

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for 2-sided printing purposes

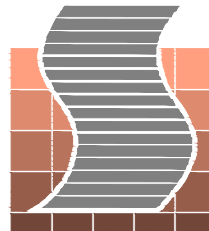
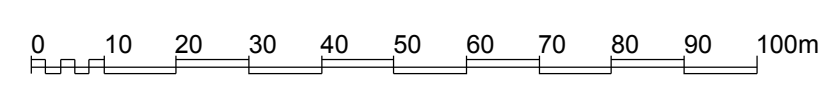

MID-BLOCK

AT INTERSECTIONS WITH AUXILIARY LANES



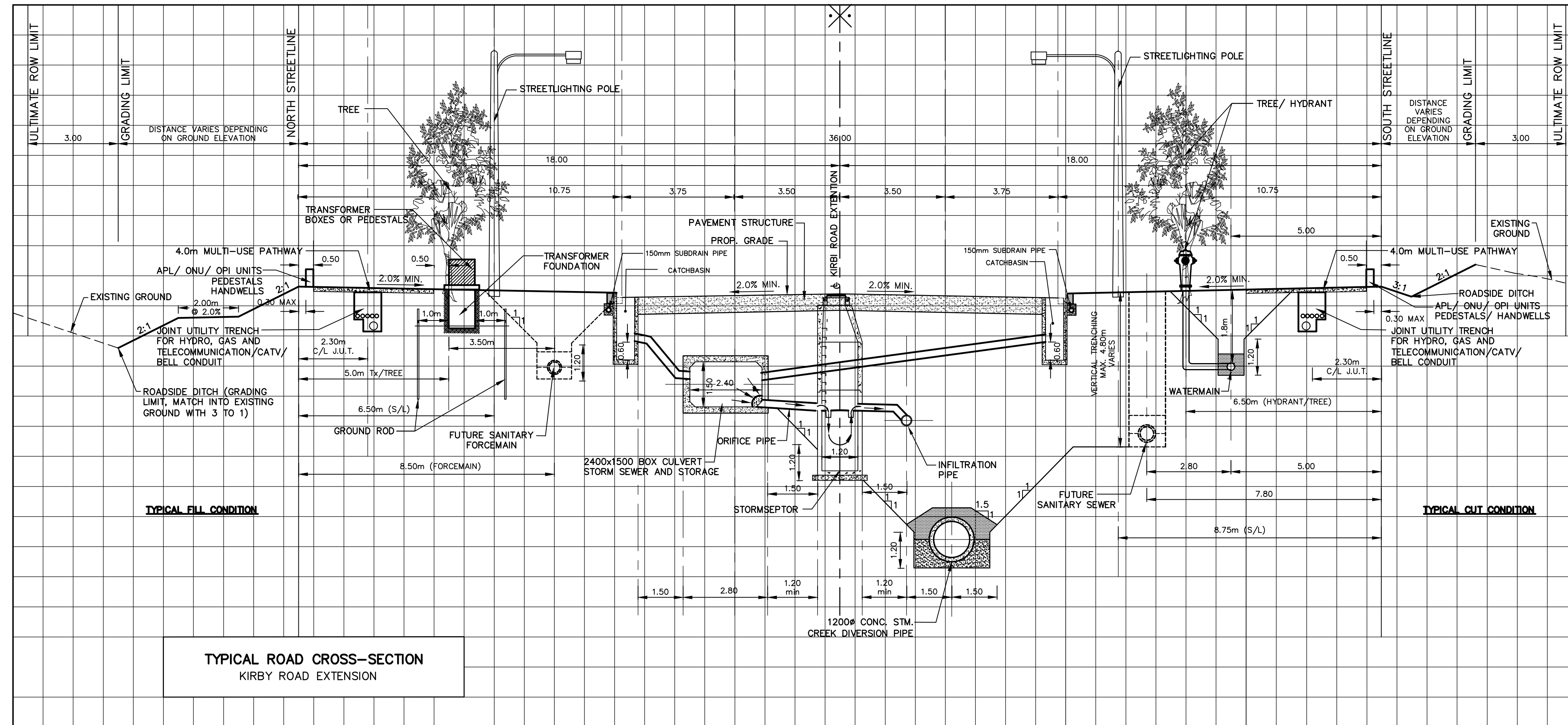
NOTE:

FOR UNDERGROUND INFRASTRUCTURE DETAILS REFER TO DWG PP1-TO PP-6 AND SEC-1

 SCHAEFFERS <small>SCHAEFFER & ASSOCIATES LTD.</small>		6 Ronrose Drive, Concord, Ontario L4K 4R3 Tel: (905) 738-6100 Fax: (905) 738-6875 E-mail: design@schaeffers.com	
PROJECT No. 2015-4339		DRAWING No.	
SCALE			
	 Kirby Road Extension Class EA PREFERRED DESIGN CONCEPT FOR TYPICAL ROAD CROSS SECTION		
DESIGNED BY: D.L.	DATE: AUG. 2019	CHECKED BY: N.L.	
DRAWN BY: D.L.		APPROVED BY: P.S.	
SCALE: N.T.S.		DWG. No. DET-1	

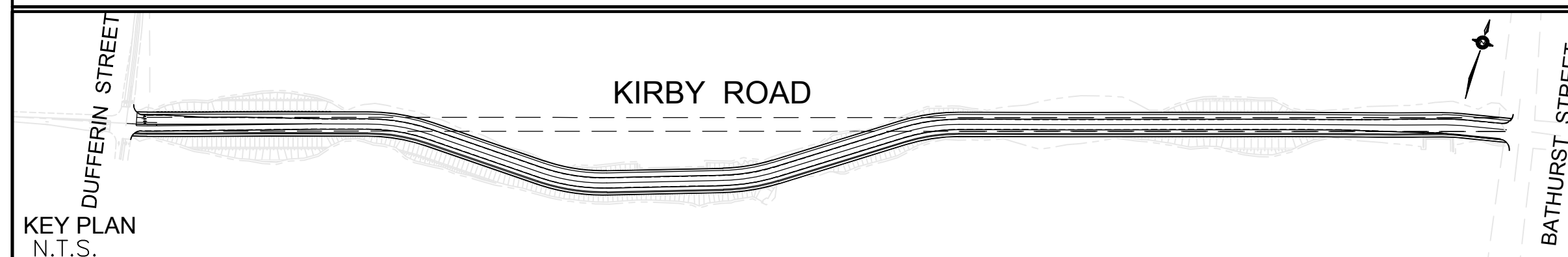
PRELIMINARY DESIGN

Subject to next project phases for detailed design, engineering and construction.



SCALE 1:100

SUBJECT TO NEXT PROJECT PHASES FOR DETAILED DESIGN, ENGINEERING AND CONSTRUCTION.



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MUNICIPALITY

VAUGHAN

PROJECT No. 2015-4339

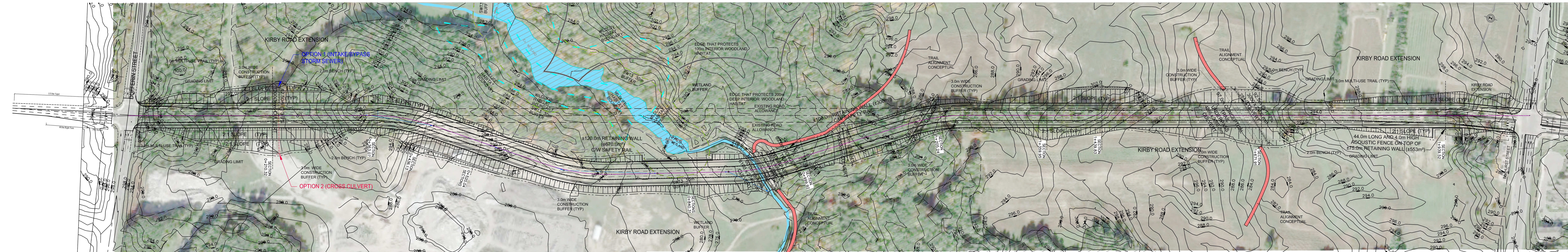
SCALE: AS SHOWN

**KIRBY ROAD EXTENSION
MUNICIPAL CLASS
ENVIRONMENTAL ASSESSMENT**

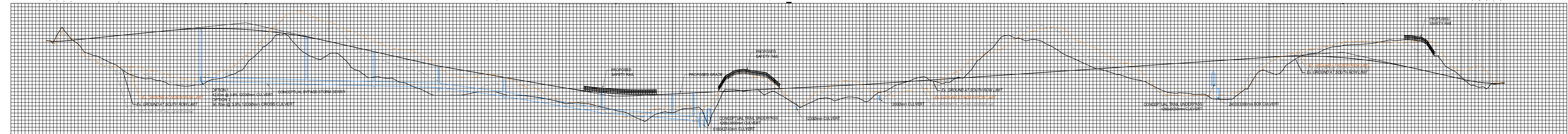
TYPICAL ROAD CROSS-SECTION

DWG.No
SEC-1

DATE:
2019/08/28



- LEGEND**
- DENOTES INTERIOR FOREST
 - DENOTES PROVINCIALLY SIGNIFICANT WETLAND
 - DENOTES EXISTING GROUND CONTOUR ELEVATION
 - DENOTES SEEPS AND SPRINGS
 - DENOTES 3.0m (TYP) LIMIT OF CONSTRUCTION BUFFER
 - DENOTES SLOPES IN FILL
 - DENOTES SLOPES IN CUT
 - DENOTES WATER COURSE
 - DENOTES CONCEPTUAL TRAIL ALIGNMENT
 - DENOTES CONCEPTUAL BYPASS STORM SEWER
 - DENOTES MANHOLES
 - DENOTES CATCH BASIN



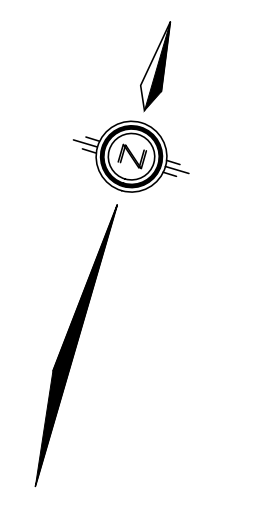
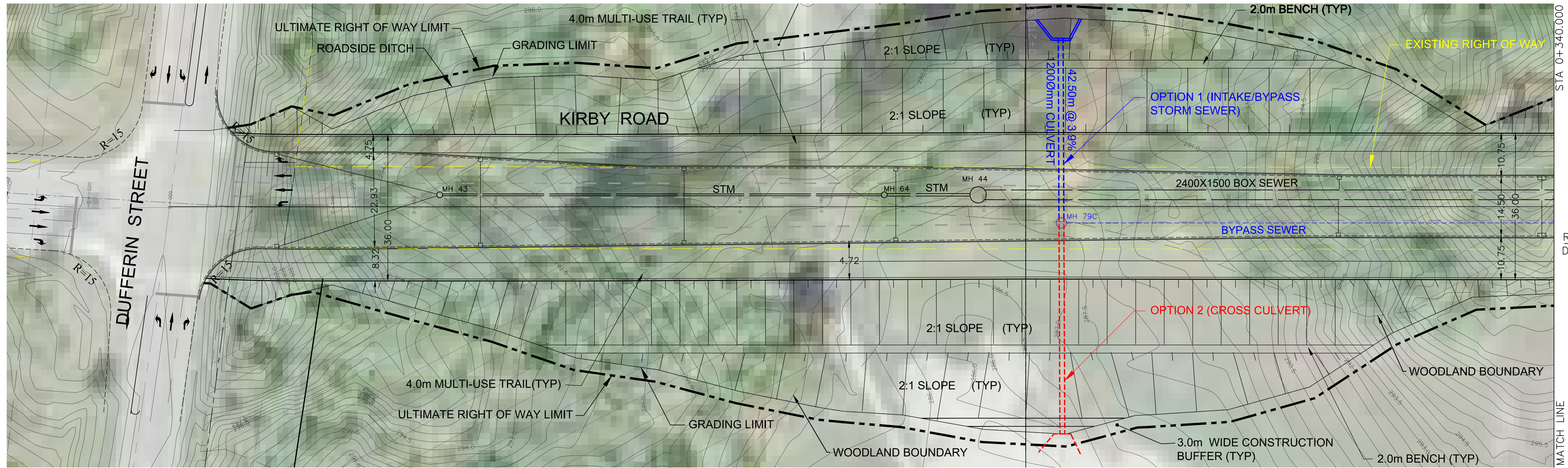
NOTE:
FOR UNDERGROUND INFRASTRUCTURE DETAILS REFER TO DWG PP-1 TO PP-6 AND SEC-1

SCALE	SCHAEFFERS <small>6 Roseme Drive, Concord, Ontario L4K 4R3 Tel: (905) 738-6100 Fax: (905) 738-6875 E-mail: design@schaeffers.com</small>	
	PROJECT No. 2015-4339	DRAWING No.
 Kirby Road Extension Class EA PLAN AND PROFILE ALIGNMENT 5A		
DESIGNED BY: D.L.	DATE: AUG. 2019	CHECKED BY: N.L.
DRAWN BY: D.L.		APPROVED BY: P.S.
SCALE: 1:1000 AS SHOWN		DWG. No. PP-5A

SCALE:
H 1:1000
V 1:200

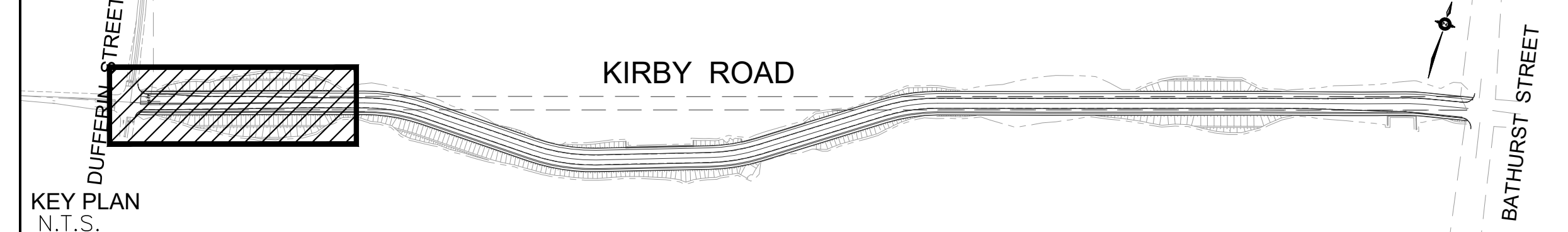
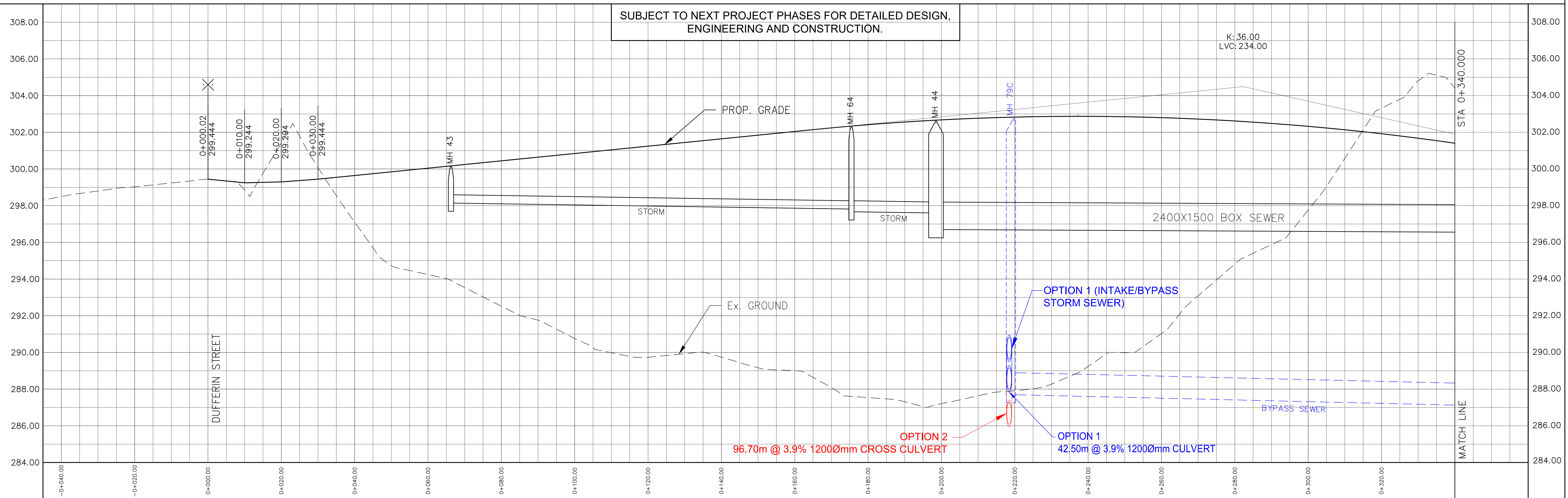
PRELIMINARY DESIGN

Subject to next project phases for detailed design, engineering and construction.



REFER TO DWG. No. PP-2

SUBJECT TO NEXT PROJECT PHASES FOR DETAILED DESIGN, ENGINEERING AND CONSTRUCTION.



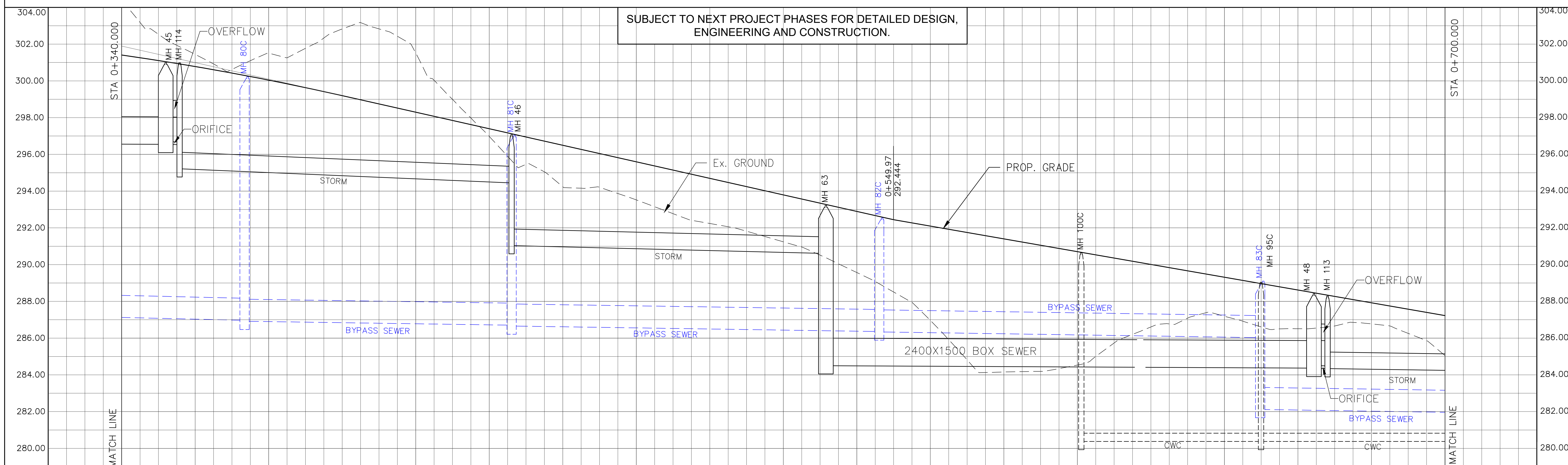
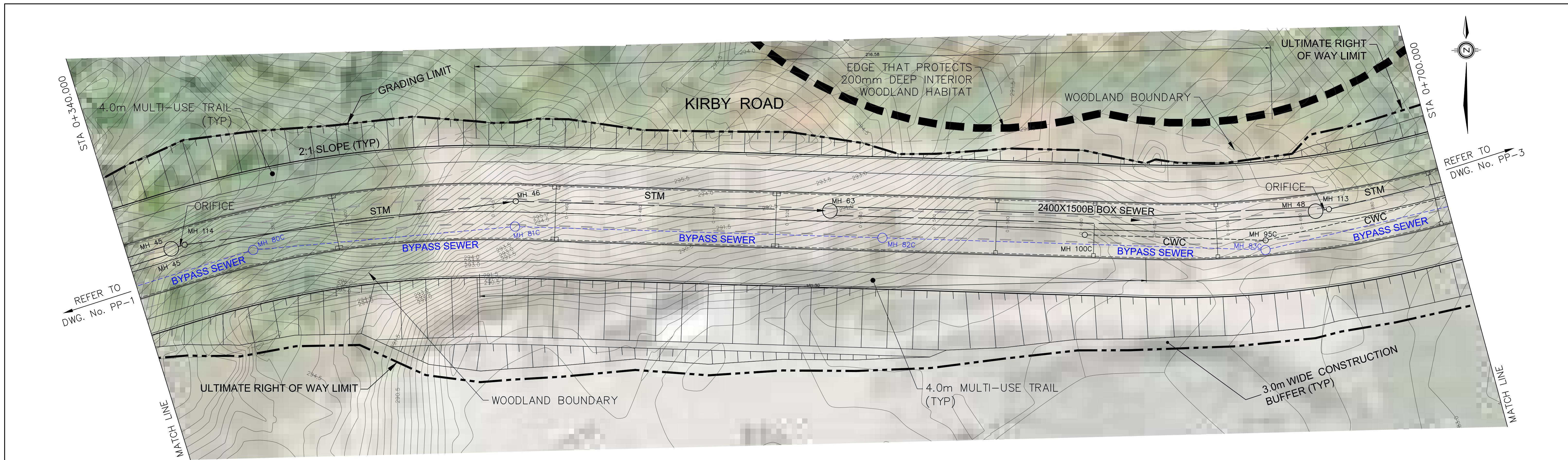
CONSULTANT
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 Fax: (905) 738-6875
 E-mail: design@schaeffers.com
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VAUGHAN

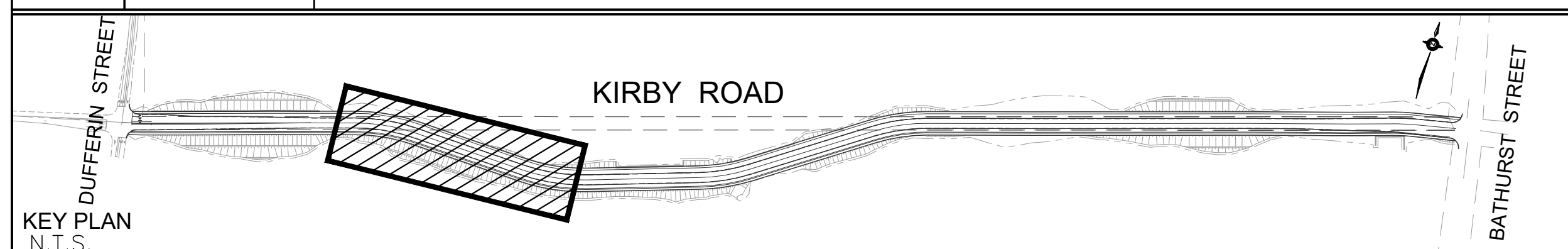
PROJECT No. 2015-4339
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 VERTICAL 0 1 2 3 4 5 6 7 8 9 10m

KIRBY ROAD EXTENSION MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT
 PLAN AND PROFILE
 FROM STA.0+040.000 TO STA. 0+340.000

DWG.No
 PP-1
 DATE:
 2019/08/28



SUBJECT TO NEXT PROJECT PHASES FOR DETAILED DESIGN, ENGINEERING AND CONSTRUCTION.



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MUNICIPALITY

VAUGHAN

PROJECT No. 2015-4339

SCALE:

HORIZONTAL 0 5 10 15 20 25 30 35 40 45 50m

VERTICAL 0 1 2 3 4 5 6 7 8 9 10m

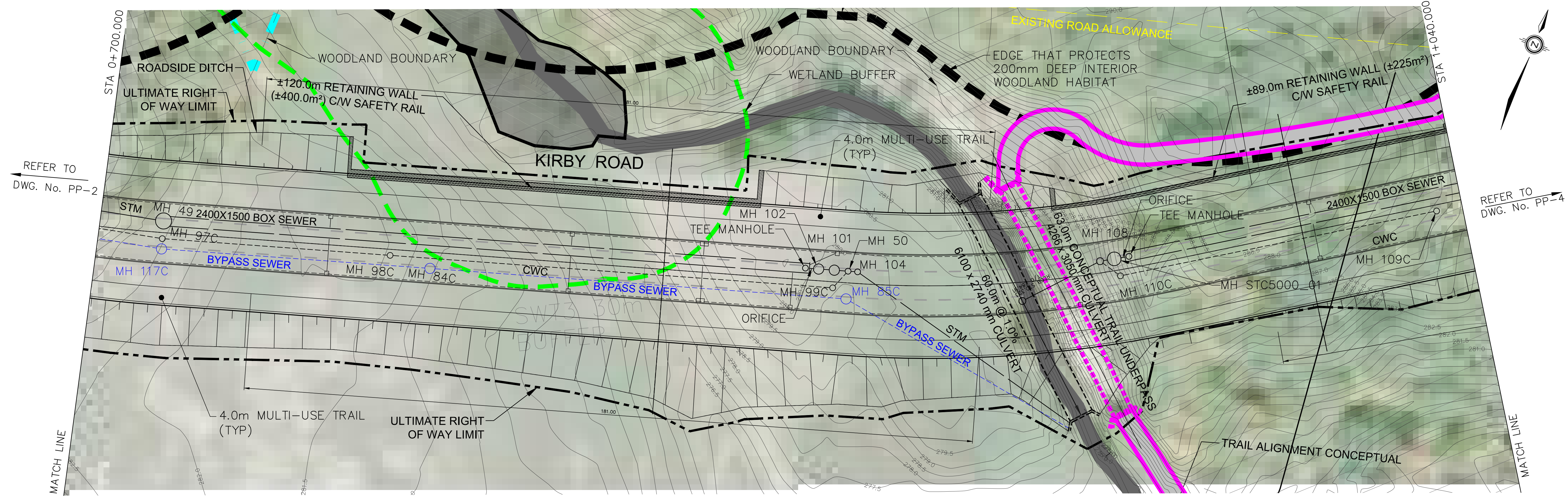
KIRBY ROAD EXTENSION
MUNICIPAL CLASS
ENVIRONMENTAL ASSESSMENT

PLAN AND PROFILE

FROM STA. 0+340.000 TO STA. 0+700.000

DWG.No
PP- 2

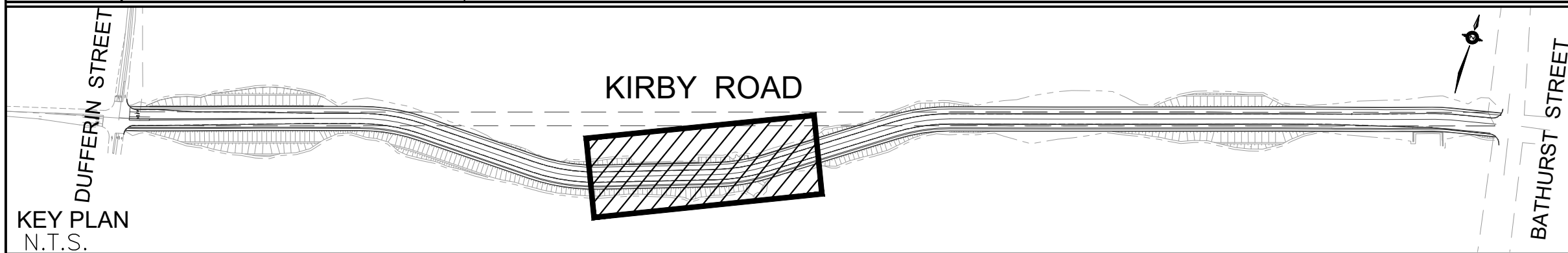
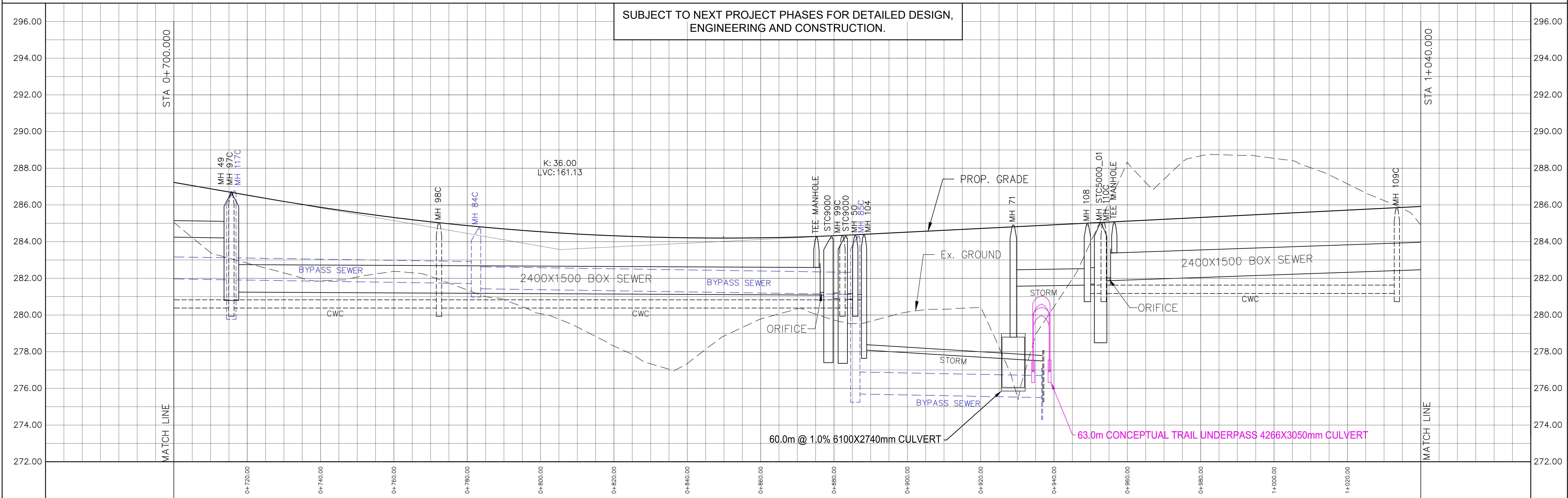
DATE:
2019/08/28



REFER TO
DWG. No. PP-2

REFER TO
DWG. No. PP-4

SUBJECT TO NEXT PROJECT PHASES FOR DETAILED DESIGN,
ENGINEERING AND CONSTRUCTION.



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E-mail: design@schaeffers.com

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MUNICIPALITY

VAUGHAN

PROJECT No. 2015-4339

SCALE:

HORIZONTAL 0 5 10 15 20 25 30 35 40 45 50m

VERTICAL 0 1 2 3 4 5 6 7 8 9 10m

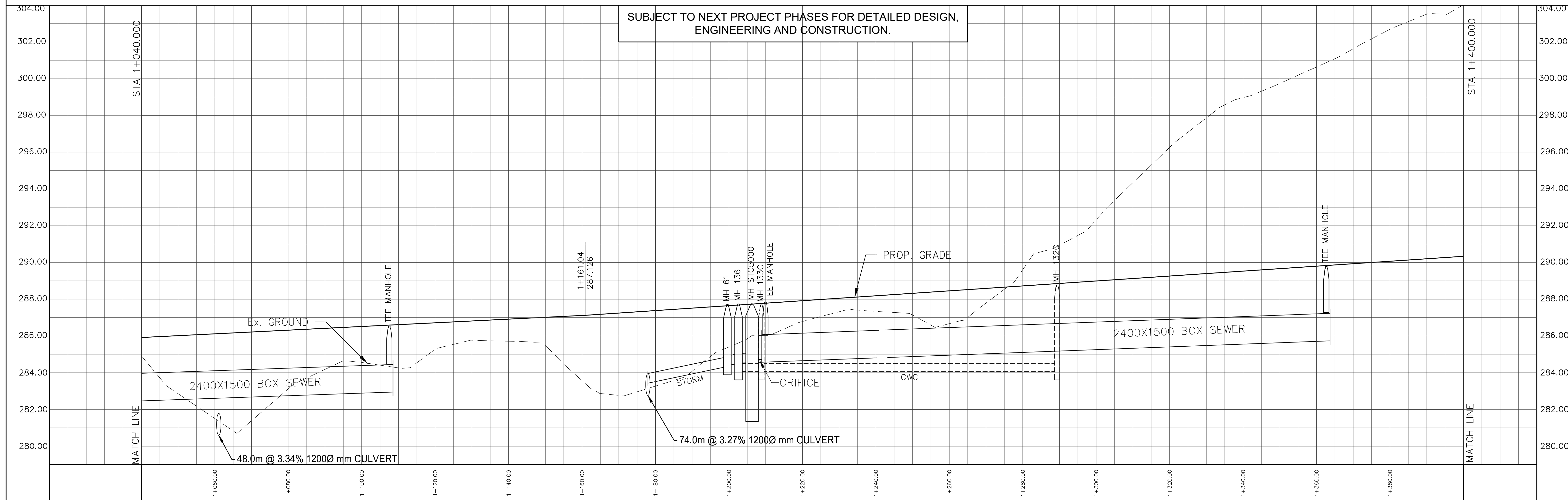
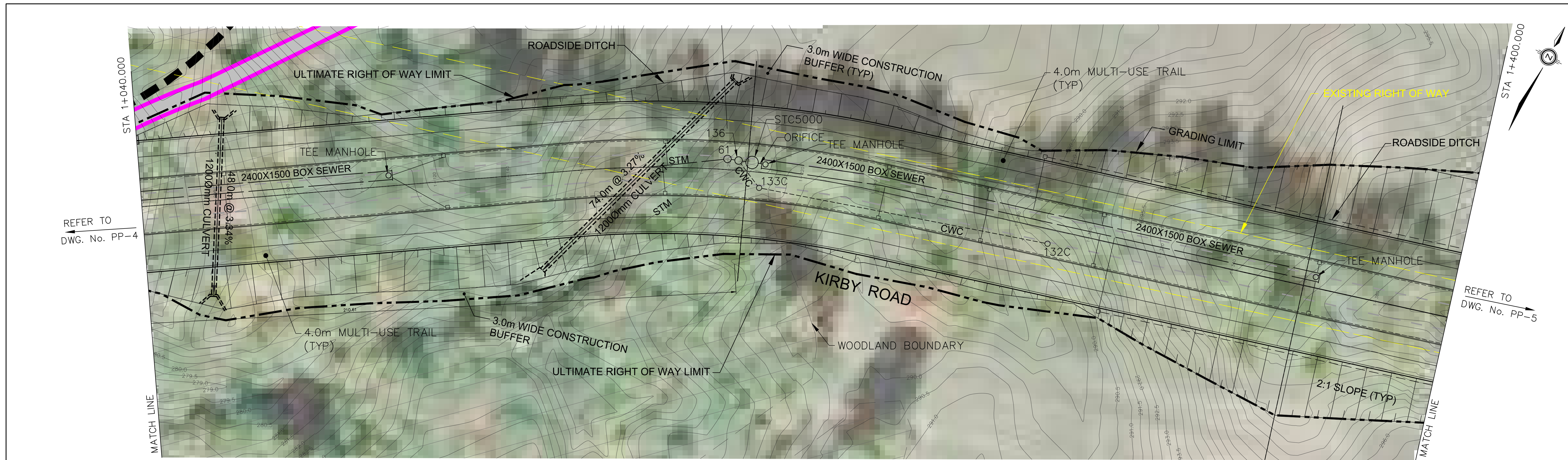
**KIRBY ROAD EXTENSION
MUNICIPAL CLASS
ENVIRONMENTAL ASSESSMENT**

PLAN AND PROFILE

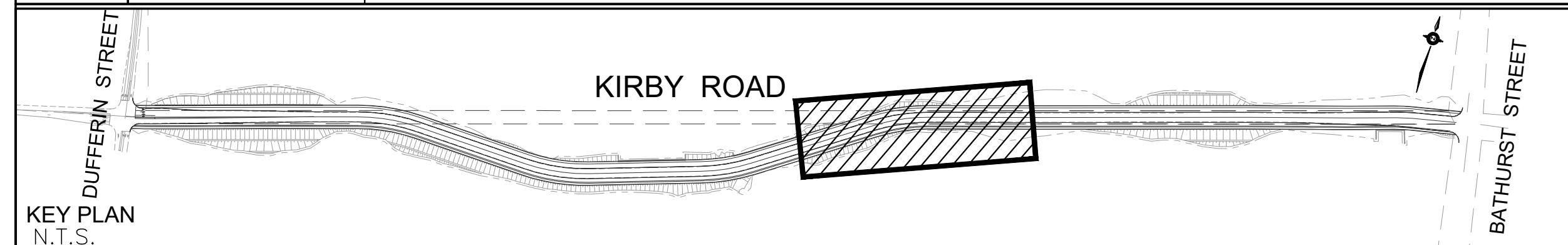
FROM STA. 0+700.000 TO STA. 1+040.000

DWG.No
PP-3

DATE:
2019/08/28



SUBJECT TO NEXT PROJECT PHASES FOR DETAILED DESIGN, ENGINEERING AND CONSTRUCTION.



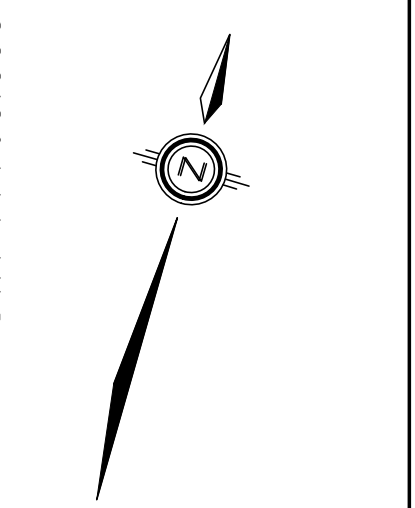
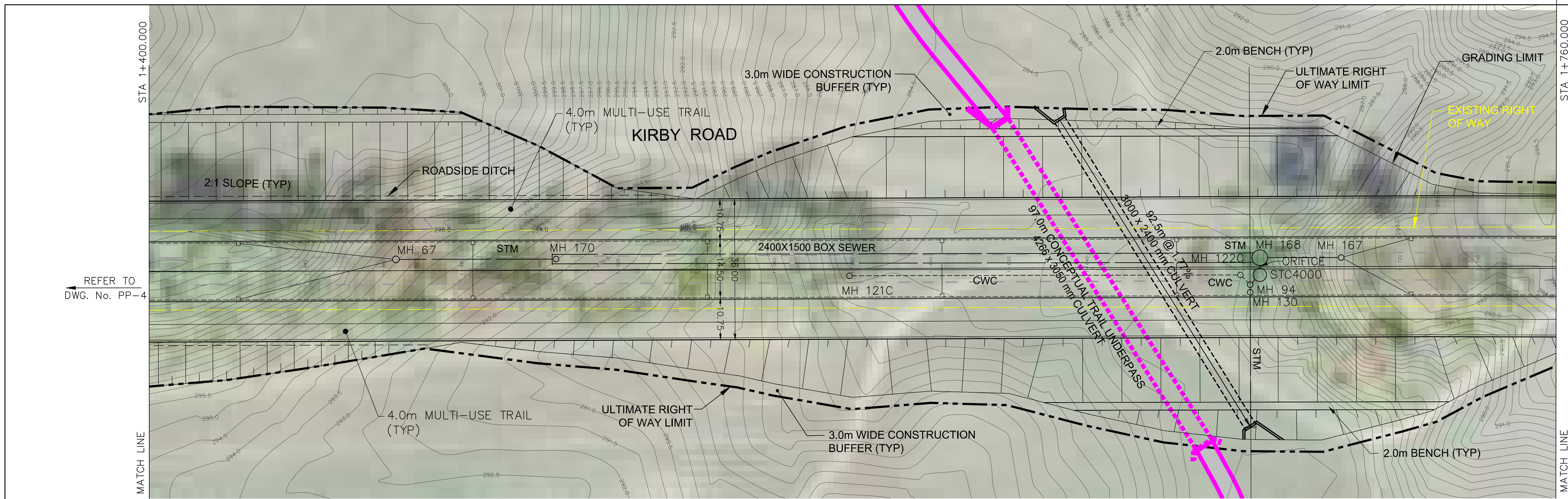
CONSULTANT
SCHAEFFERS
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 Fax: (905) 738-6875
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VAUGHAN

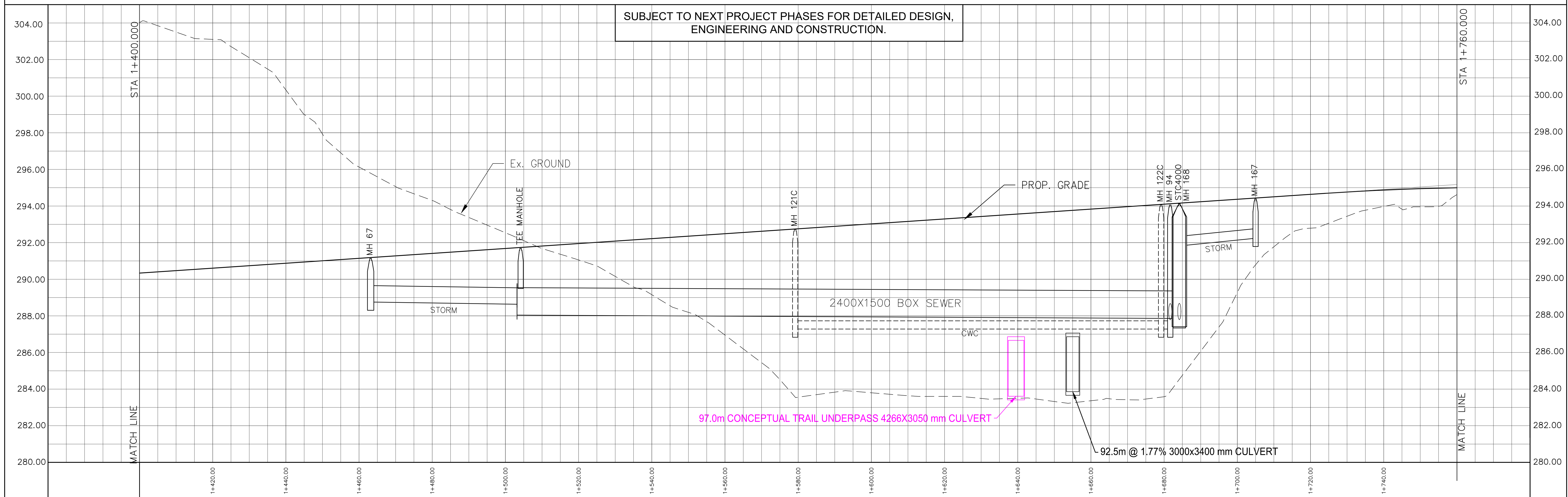
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SCALE:
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 VERTICAL 0 1 2 3 4 5 6 7 8 9 10m

KIRBY ROAD EXTENSION MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT
PLAN AND PROFILE
 FROM STA. 1+040.000 TO STA. 1+400.000

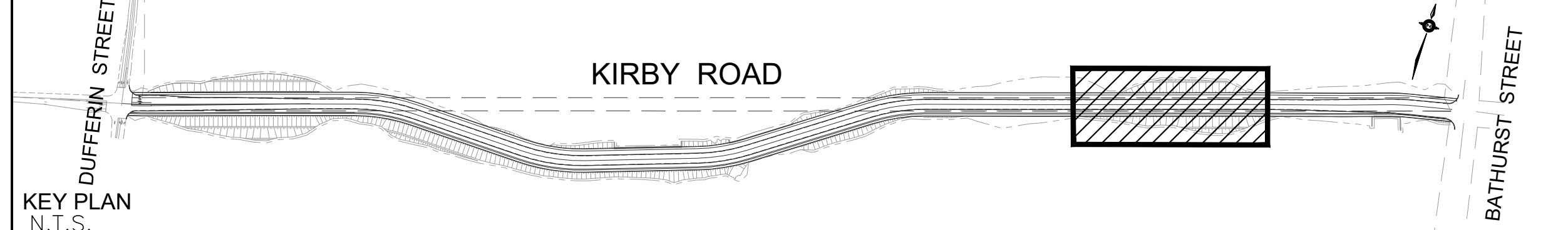
DWG.No
 PP-4
DATE:
 2019/08/28



REFER TO DWG. No. PP-6



SUBJECT TO NEXT PROJECT PHASES FOR DETAILED DESIGN, ENGINEERING AND CONSTRUCTION.



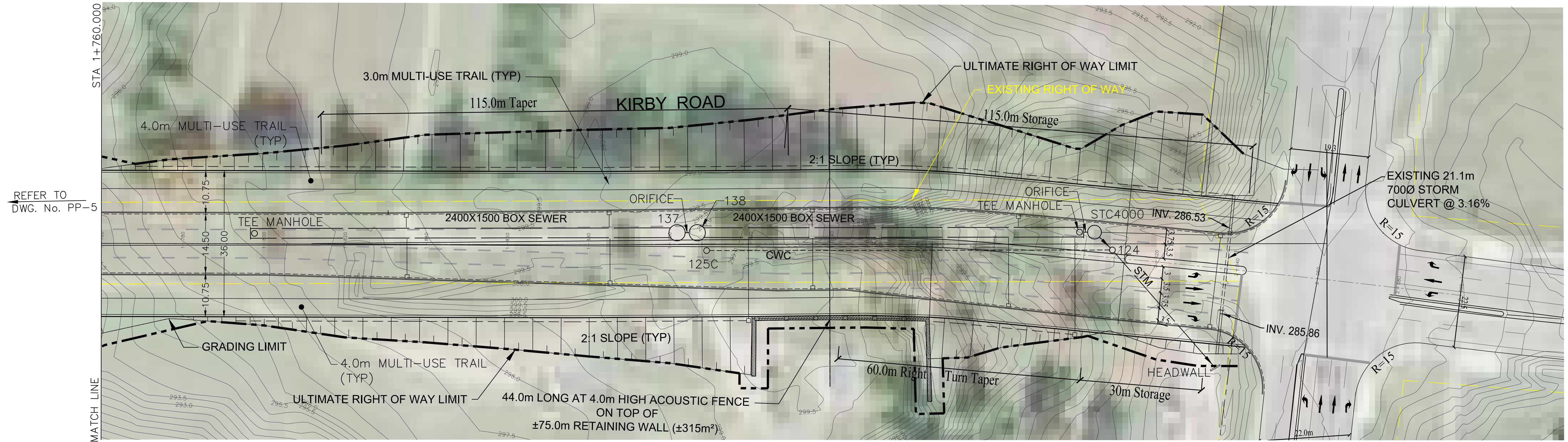
CONSULTANT
SCHAEFFERS
 CONSULTING ENGINEERS
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 Tel: (905) 738-6100
 Fax: (905) 738-6875
 E-mail: design@schaeffers.com
 SCHAEFFER & ASSOCIATES LTD.

MUNICIPALITY
VAUGHAN

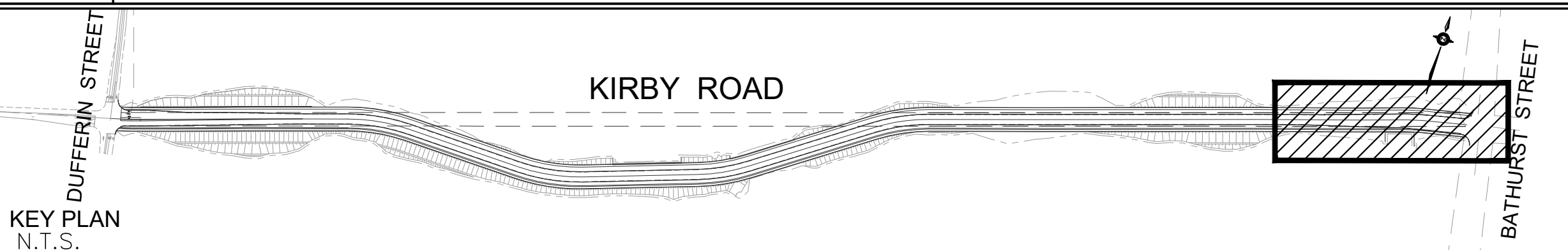
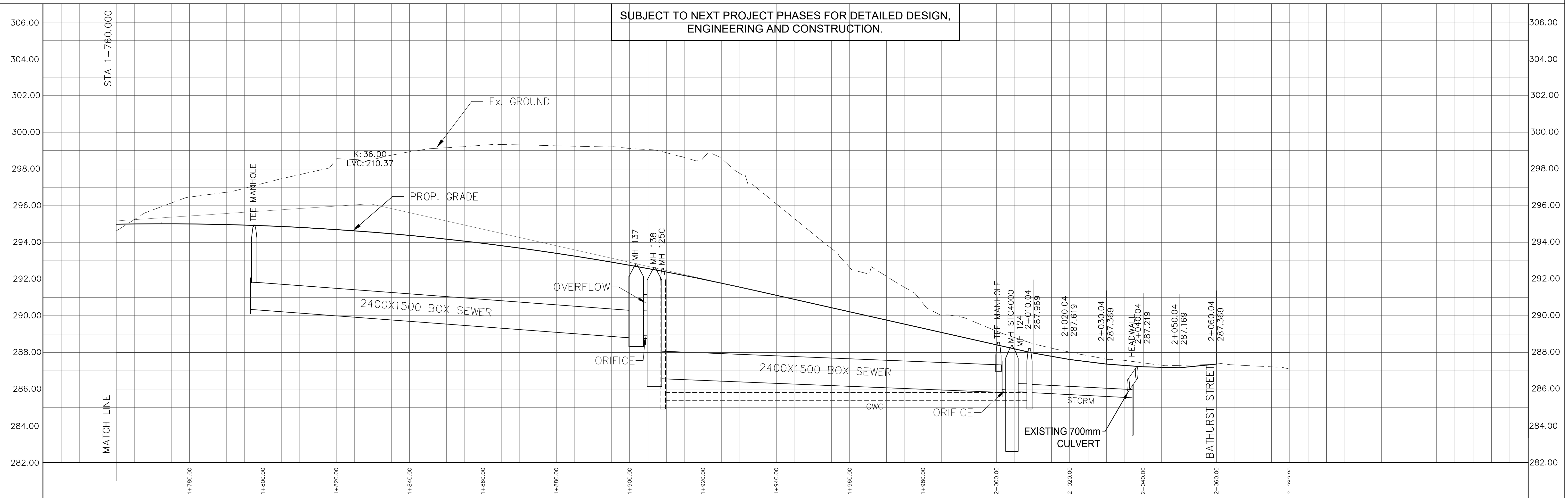
PROJECT No. 2015-4339
SCALE:
 HORIZONTAL 0 5 10 15 20 25 30 35 40 45 50m
 VERTICAL 0 1 2 3 4 5 6 7 8 9 10m

KIRBY ROAD EXTENSION MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT
PLAN AND PROFILE
 FROM STA. 1+400.000 TO STA. 1+760.000

DWG.No. PP-5
 DATE: 2019/08/28



SUBJECT TO NEXT PROJECT PHASES FOR DETAILED DESIGN, ENGINEERING AND CONSTRUCTION.



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MUNICIPALITY

VAUGHAN

PROJECT No. 2015-4339

SCALE:

HORIZONTAL 0 5 10 15 20 25 30 35 40 45 50m
VERTICAL 0 1 2 3 4 5 6 7 8 9 10m

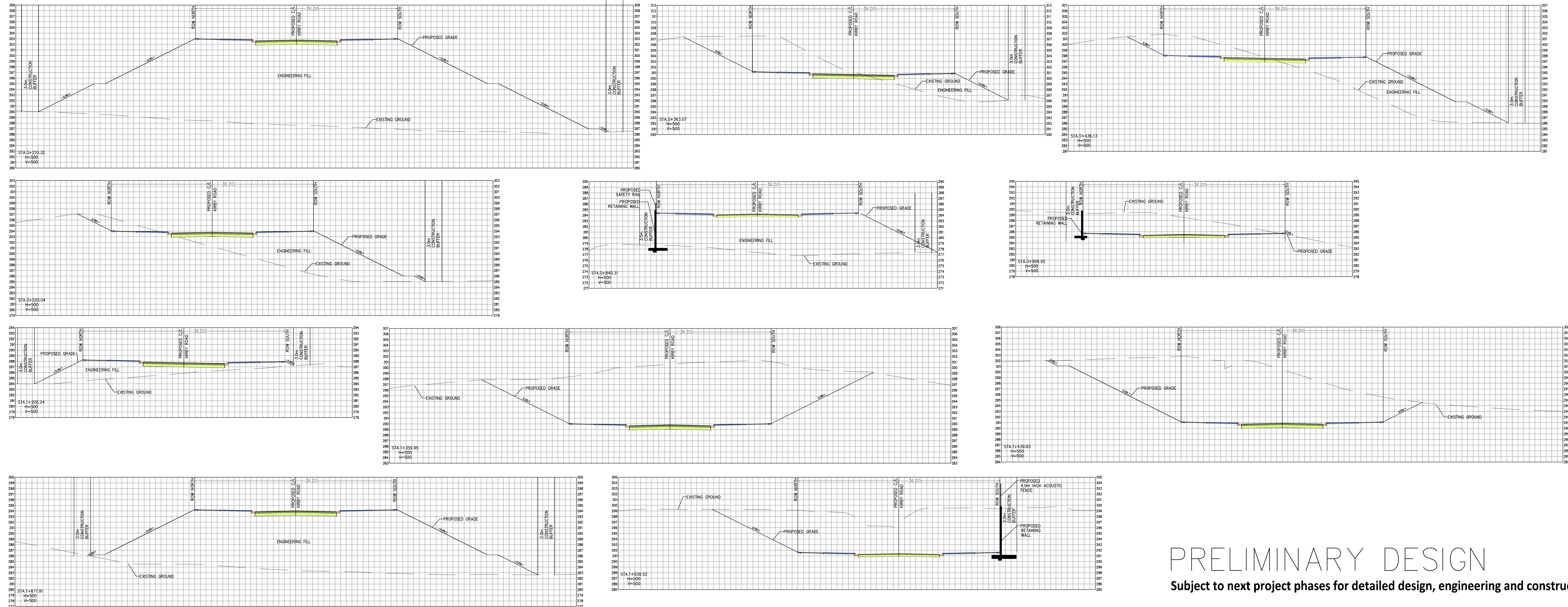
KIRBY ROAD EXTENSION MUNICIPAL CLASS ENVIRONMENTAL ASSESSMENT

PLAN AND PROFILE

FROM STA. 1+760.000 TO STA. 2+060.000

DWG.No
PP-6

DATE:
2019/08/28

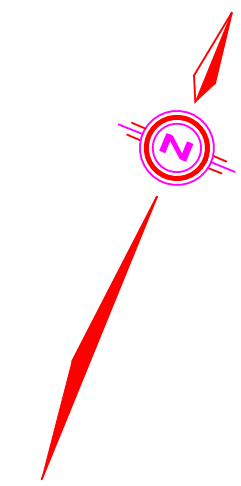


PRELIMINARY DESIGN

Subject to next project phases for detailed design, engineering and construction.

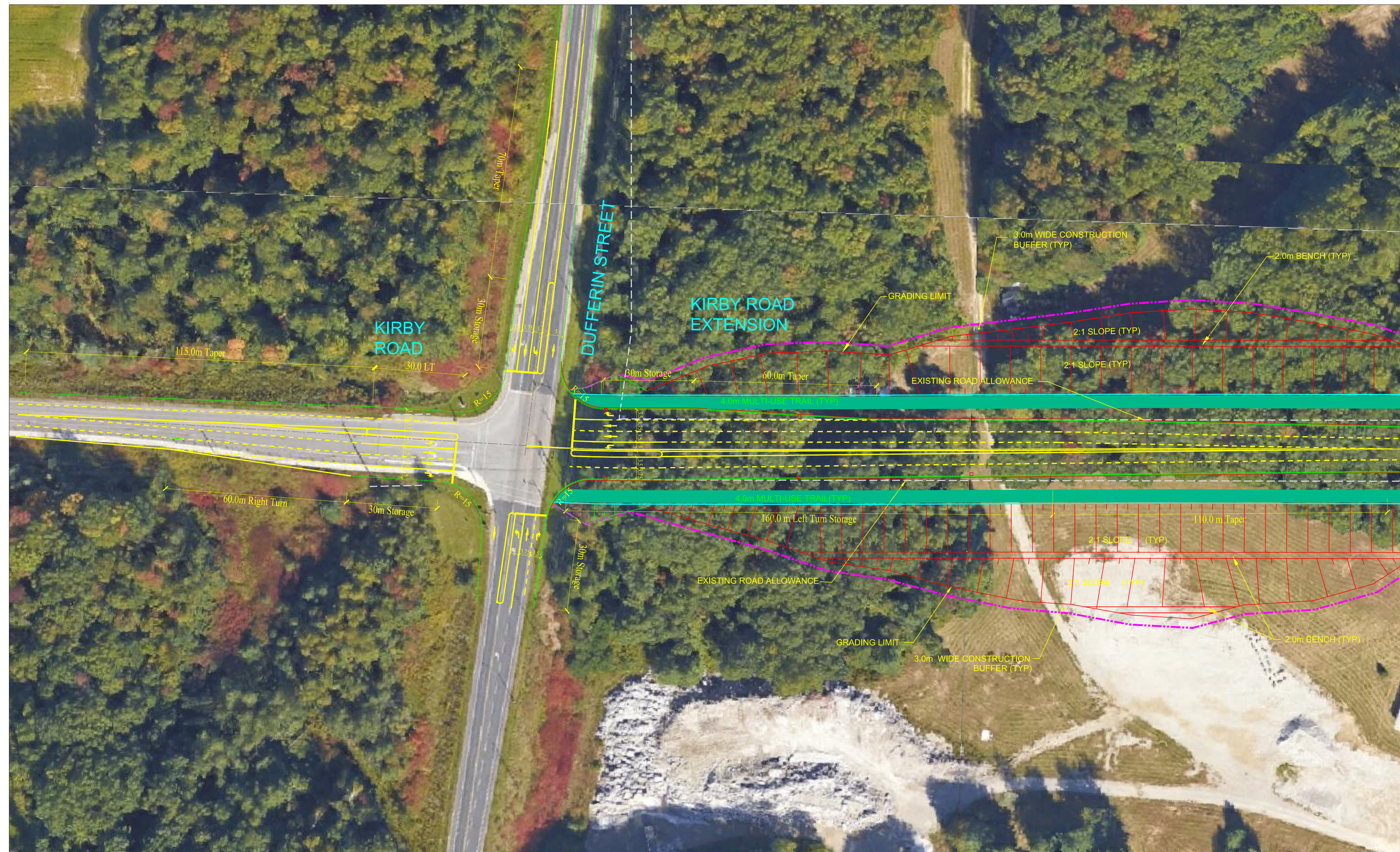
NOTE:
FOR UNDERGROUND INFRASTRUCTURE DETAILS
REFER TO DWG PP1-TO PP-6 AND SEC-1

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PROJECT No.	2015-4339	DRAWING No.
VAUGHAN		
Kirby Road Extension Class EA SECTIONS ALIGNMENT 5A		
DESIGNED BY: D.L.	DATE: AUG. 2019	CHECKED BY: N.L.
DRAWN BY: D.L.		APPROVED BY: P.S.
SCALE: AS SHOWN		DWG. No. SEC-5A



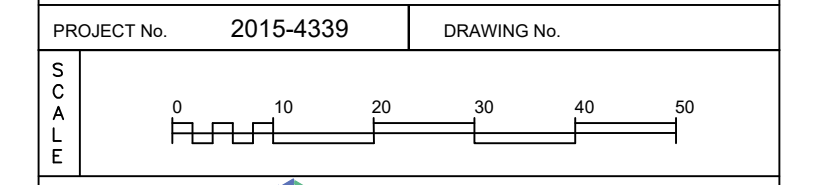
LEGEND

- DENOTES MULTI-USE TRAIL
- DENOTES ULTIMATE ROW LIMIT
- DENOTES EXISTING ROAD ALLOWANCE
- DENOTES PROPOSED ROAD CENTERLINE
- DENOTES EXISTING ROAD CENTERLINE
- DENOTES SLOPE TO MATCH EXISTING GROUND
- DENOTES PROPOSED RETAINING WALL
- DENOTES PROPOSED CURB
- DENOTES LANE PAINTING
- DENOTES LIMIT OF 3.0m WIDE CONSTRUCTION BUFFER
- DENOTES PROPOSED CATCH BASIN



NOTE:
FOR UNDERGROUND INFRASTRUCTURE DETAILS REFER TO DWG PP1-TO PP-6 AND SEC-1

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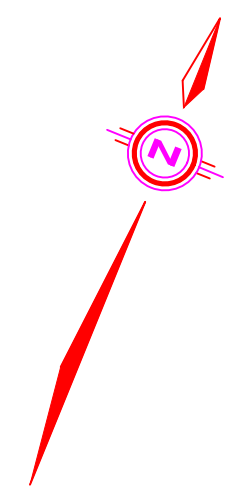
VAUGHAN

Kirby Road Extension Class EA
 PRELIMINARY INTERSECTION LAYOUT
 AT DUFFERIN STREET

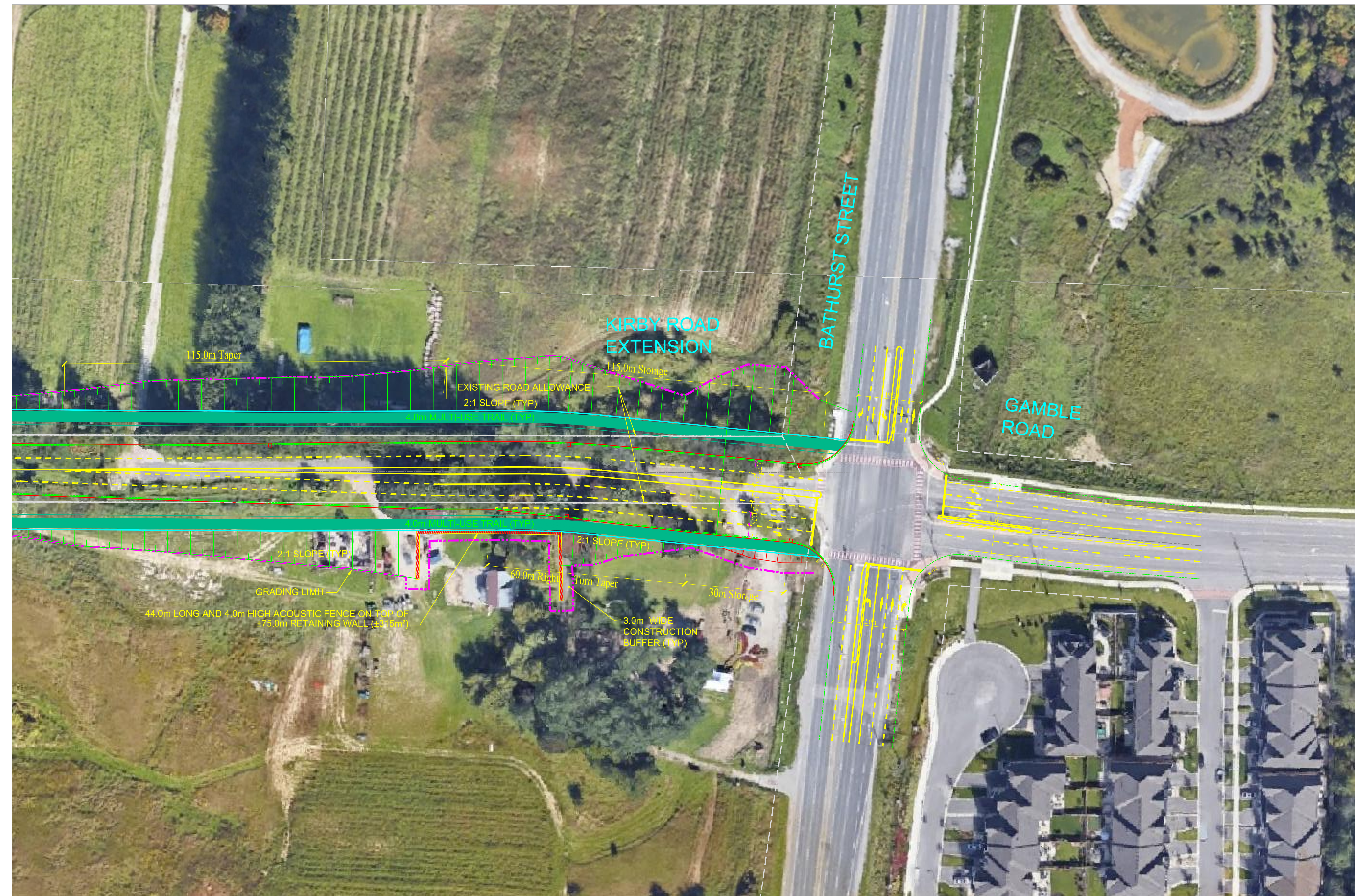
DESIGNED BY: D.L.	DATE: AUG. 2019	CHECKED BY: N.L.
DRAWN BY: D.L.		APPROVED BY: P.S.
SCALE: 1:750		DWG. No. INT-1

PRELIMINARY DESIGN

Subject to next project phases for detailed design, engineering and construction.



- LEGEND**
- DENOTES MULTI-USE TRAIL
 - DENOTES ULTIMATE ROW LIMIT
 - DENOTES EXISTING ROAD ALLOWANCE
 - DENOTES PROPOSED ROAD CENTERLINE
 - DENOTES EXISTING ROAD CENTERLINE
 - DENOTES SLOPE TO MATCH EXISTING GROUND
 - DENOTES PROPOSED RETAINING WALL
 - DENOTES PROPOSED CURB
 - DENOTES LANE PAINTING
 - DENOTES LIMIT OF 3.0m WIDE CONSTRUCTION BUFFER
 - DENOTES PROPOSED CATCH BASIN



NOTE:
FOR UNDERGROUND INFRASTRUCTURE DETAILS REFER TO DWG PP1-TO PP-6 AND SEC-1

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 Ontario L4K 4K3
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 E-mail: design@schaeffers.com

PROJECT No.	2015-4339	DRAWING No.	
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VAUGHAN

Kirby Road Extension Class EA
 PRELIMINARY INTERSECTION LAYOUT
 AT BATHURST STREET

DESIGNED BY: D.L.	DATE: AUG. 2019	CHECKED BY: N.L.
DRAWN BY: D.L.		APPROVED BY: P.S.
SCALE: 1:750		DWG. No. INT-2

PRELIMINARY DESIGN

Subject to next project phases for detailed design, engineering and construction.