



Public Works - Environmental Services

YORK REGION SEWAGE WORKS - PROJECT REPORT NORTH YDSS EXPANSION THE REGIONAL MUNICIPALITY OF YORK



PROJECT AREA

File Location: D:\ACAD\Proj\WorkDir\Projects\84058405-GHD-XX-DWG-CI-0001.dwg Last Saved: October 18, 2023, by: s4642 Project: October 18, 2023

W. EMMERSON
REGIONAL CHAIR

E. MAHONEY
COMMISSIONER OF PUBLIC WORKS

OCTOBER 2023



DRAWING INDEX

GENERAL	DWG. No.	DRAWING DESCRIPTION
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02	CI-D002	DRAWING LIST AND GENERAL NOTES
03	CI-D003	SITE PLAN

CIVIL

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04	CI-D004	Y9-A NEW MARKET EAST SPS - SITE PLAN
05	CI-D005	Y12-A 2ND CONCESSION NORTH GRAVITY SEWER
06	CI-D006	Y12-A 2ND CONCESSION NORTH GRAVITY SEWER STA. 0+000 TO 3+943
07	CI-D007	Y12-B 2ND CONCESSION SOUTH GRAVITY SEWER PLAN & PROFILE STA. 0+000 TO 2+089
08	CI-D008	Y9-B NEWMARKET EAST SPS FORCEMAIN STA. 0+000 TO 2+186
09	CI-D009	Y11-B QUEENSVILLE EAST SPS FORCEMAIN PLAN & PROFILE STA. 0+000 TO 1+800
10	CI-D010	Y11-B QUEENSVILLE EAST SPS FORCEMAIN PLAN & PROFILE STA. 1+800 TO 3+877

11	CI-D011	Y3-B AURORA EAST SPS - SITE PLAN
12	CI-D012	Y13-B MULOCK SPS - SITE PLAN
13	CI-D013	Y10 AURORA SPS GRAVITY SWR TWINNING PLAN & PROFILE STA. 0+000 TO 0+879
14	CI-D014	Y13-A LESLIE ST TRNK SWR PHASE 3 PLAN & PROFILE STA. 0+000 TO 2+600
15	CI-D015	Y13-A LESLIE ST TRNK SWR PHASE 3 PLAN & PROFILE STA. 2+600 TO 4+205
16	CI-D016	Y3-C AURORA EAST SPS F/M PLAN & PROFILE STA. 0+000 TO 1+800
17	CI-D017	Y3-C AURORA EAST SPS F/M PLAN & PROFILE STA. 1+800 TO 3+424
18	CI-D018	Y13-C MULOCK SPS F/M PLAN & PROFILE STA. 2+100 TO 4+500
19	CI-D019	Y1-A LESLIE STREET TRUNK SEWER PHASE 1&2 STA. 0+000 TO 3+100
20	CI-D020	Y1-A LESLIE STREET TRUNK SEWER PHASE 1&2 STA. 3+100 TO 6+100
21	CI-D021	Y1-A LESLIE STREET TRUNK SEWER PHASE 1&2 STA. 6+100 TO 9+100
22	CI-D022	Y1-A LESLIE STREET TRUNK SEWER PHASE 1&2 STA. 9+100 TO 12+100
23	CI-D023	Y1-A LESLIE STREET TRUNK SEWER PHASE 1&2 STA. 12+100 TO 14+720
24	CI-D024	Y14 BLOOMINGTON INCPR SWR PLAN & PROFILE STA. 0+000 TO 2+108

84405-GHD-XX-XX-DRG-CI-D002.dwg



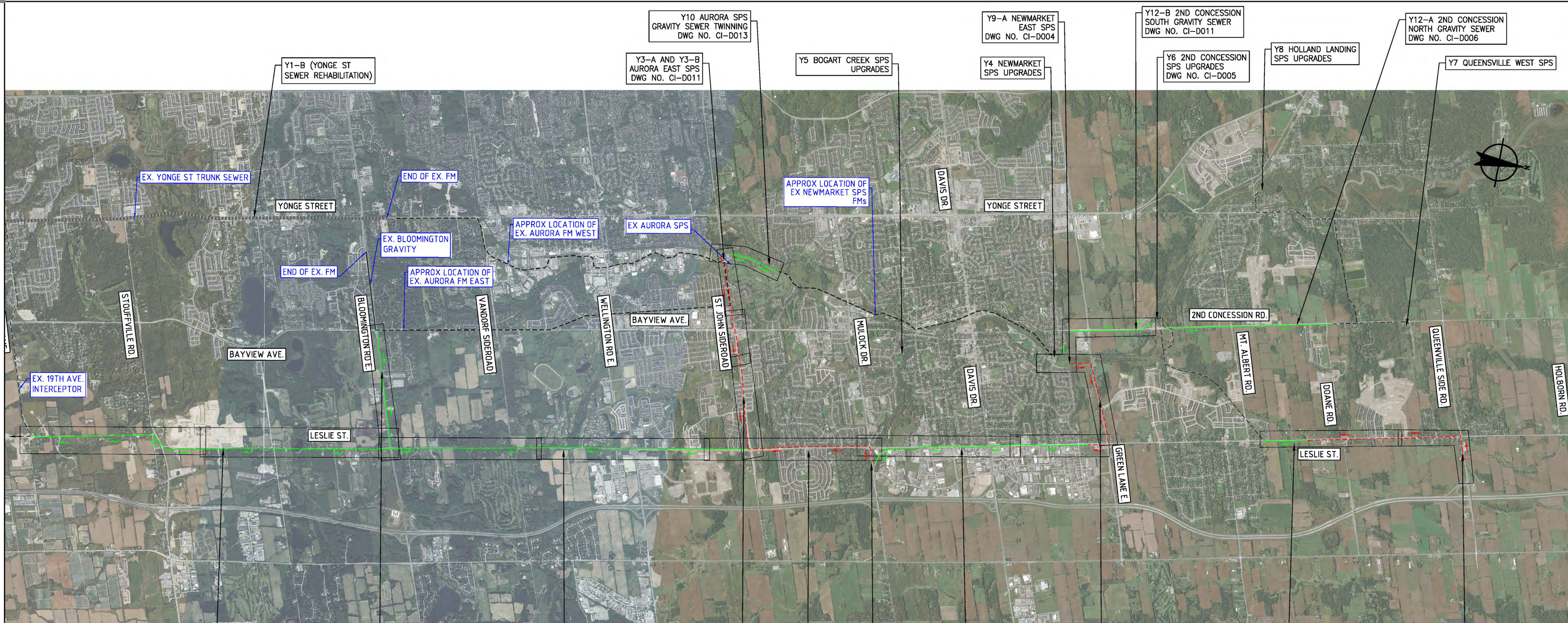
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No.	DATE	REVISIONS	BY
1	2023-09-29	ISSUED FOR YRSW PROJECT REPORT	T.C.



DATE	DESIGN	DRAWN	CHECKED	SCALE
APR. 2023		E.Lee	G.Procunier	YORK REGION SEWAGE WORKS PROJECT NORTH YDSS EXPANSION
				DRAWING LIST AND GENERAL NOTES
				DWG. NO. CI-D002
				CONT. NO. 0
				SHEET NO. 2



- GENERAL NOTES:
1. THE HORIZONTAL AND VERTICAL ALIGNMENTS PRESENTED ON THIS SET OF DRAWINGS IS BASED ON A CONCEPTUAL DESIGN CREATED AS A PROOF OF CONCEPT TO CONVEY ANTICIPATED WASTEWATER FLOWS AS OUTLINED IN THE PROJECT REPORT. THE FINAL LOCATIONS AND ELEVATIONS OF PUMP STATIONS, GRAVITY SEWERS, FORCEMAINS, AND OTHER SUPPORTING INFRASTRUCTURE ARE CONCEPTUAL AND SUBJECT TO REVISION WITHIN THE STUDY AREAS FOLLOWING FURTHER FIELD INVESTIGATION, UTILITY COORDINATION, AND DESIGN.
 2. ALL ALIGNMENTS ARE SUBJECT TO CONSIDERATION OF CONCURRENT PROJECTS BY OTHER STAKEHOLDERS.
 3. THE VERTICAL PROFILE IS SUBJECT TO CHANGE BASED ON DETAILED ENGINEERING INVESTIGATIONS AND ENGINEERING ANALYSIS. DEPTH OF SEWER INVERTS AND SHAFTS MAY BE ADJUSTED TO SUIT HYDRAULIC IMPROVEMENTS, CLEARANCES BELOW WATER BODIES, EXISTING INFRASTRUCTURE, AND GEOTECHNICAL AND HYDROGEOLOGICAL CONDITIONS.
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 6. REGION OF YORK ORTHOPHOTOGRAPHY PROVIDED BY ArcGIS

THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED.



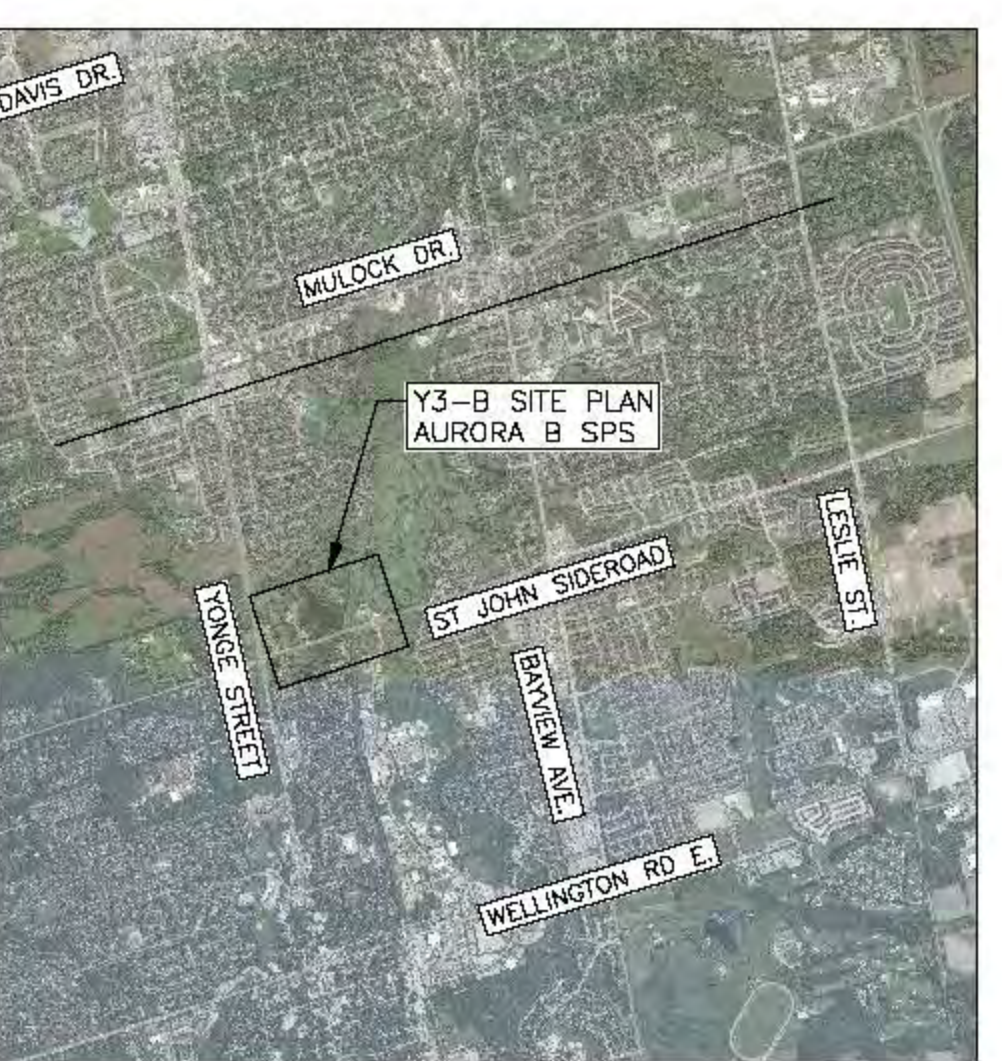
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1	2023-09-29	ISSUED FOR YRSW PROJECT REPORT	T.C.



DATE MAY 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION YDSS NORTH EXPANSION SITE PLAN	SCALE NTS
DESIGN		DWG. NO. CI-D003
DRAWN E.Lee		CONT. NO. 0
CHECKED G.Procunier		SHEET NO. 3

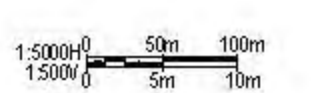
B.4405-GHD-XX-XX-DRG-CI-D003.dwg



KEY PLAN
N.T.S

LEGEND	
SYMBOLS	DESCRIPTION
	PROTECTED COUNTRY SIDE
	LSRCA REGULATORY LIMIT
	SHAFT LOCATION
	GRAVITY ALIGNMENT
	FORCEMAIN ALIGNMENT
	LAND PARCELS
	CONSTRUCTION COMPOUND

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AURORA SPS B

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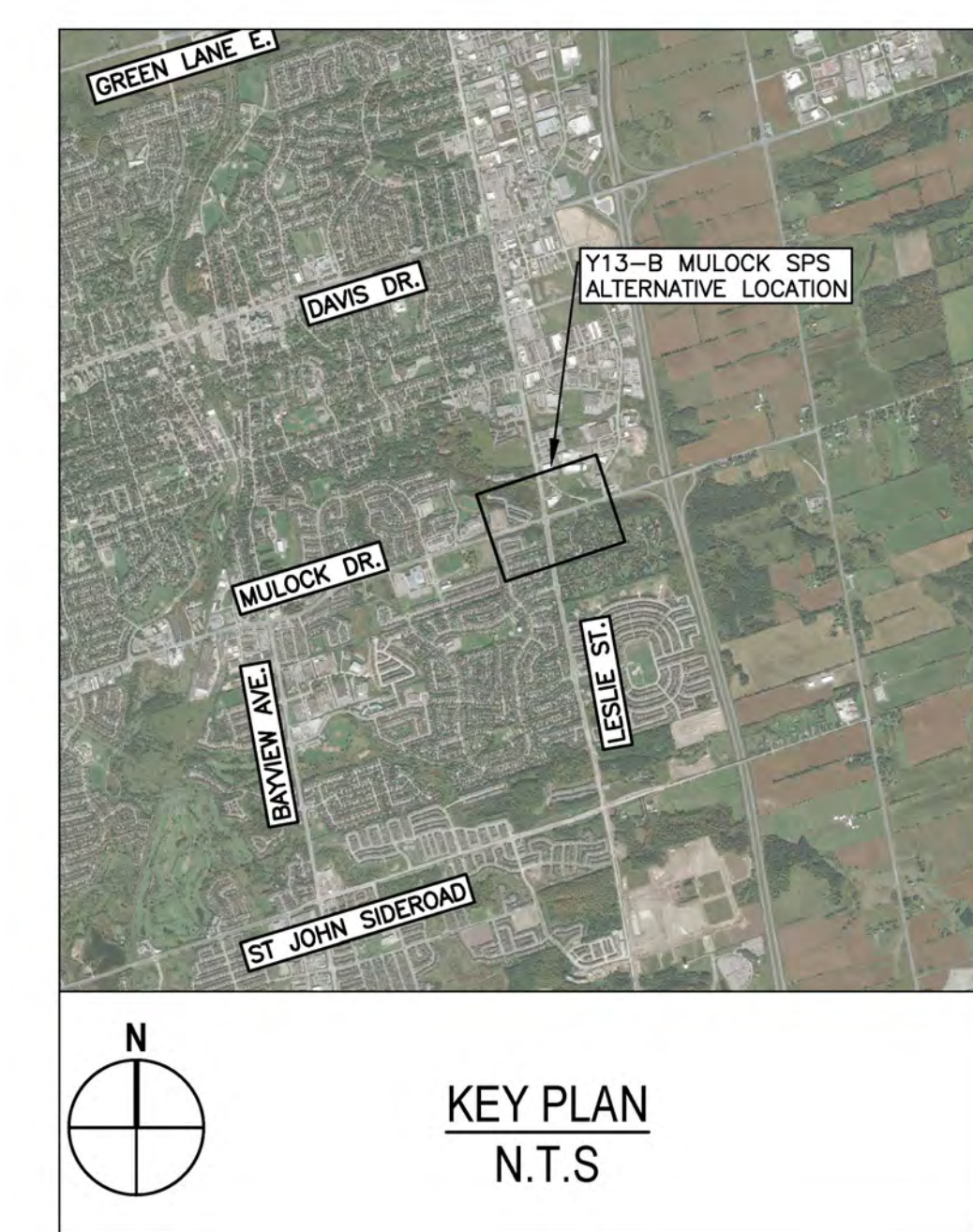
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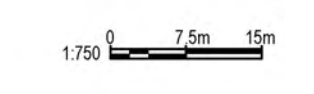
DATE APR. 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION SYSTEM UPGRADES CONCEPTUAL DESIGN Y3-B AURORA EAST SPS SITE PLAN	SCALE 1:750
DESIGN		DWG. NO. CI-D011
DRAWN E.Lee		CONT. NO. 0
CHECKED G.Procunier		SHEET NO. 11

B4405-GHD-XX-03-DRG-CI-D011.dwg



LEGEND	
SYMBOLS	DESCRIPTION
	PROTECTED COUNTRY SIDE
	LSRCA / TRCA REGULATORY LIMIT
	SHAFT LOCATION
	GRAVITY ALIGNMENT
	FORCEMAIN ALIGNMENT
	LAND PARCELS
	CONSTRUCTION COMPOUND

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 6. REGION OF YORK ORTHOPHOTOGRAPHY PROVIDED BY ArcGIS



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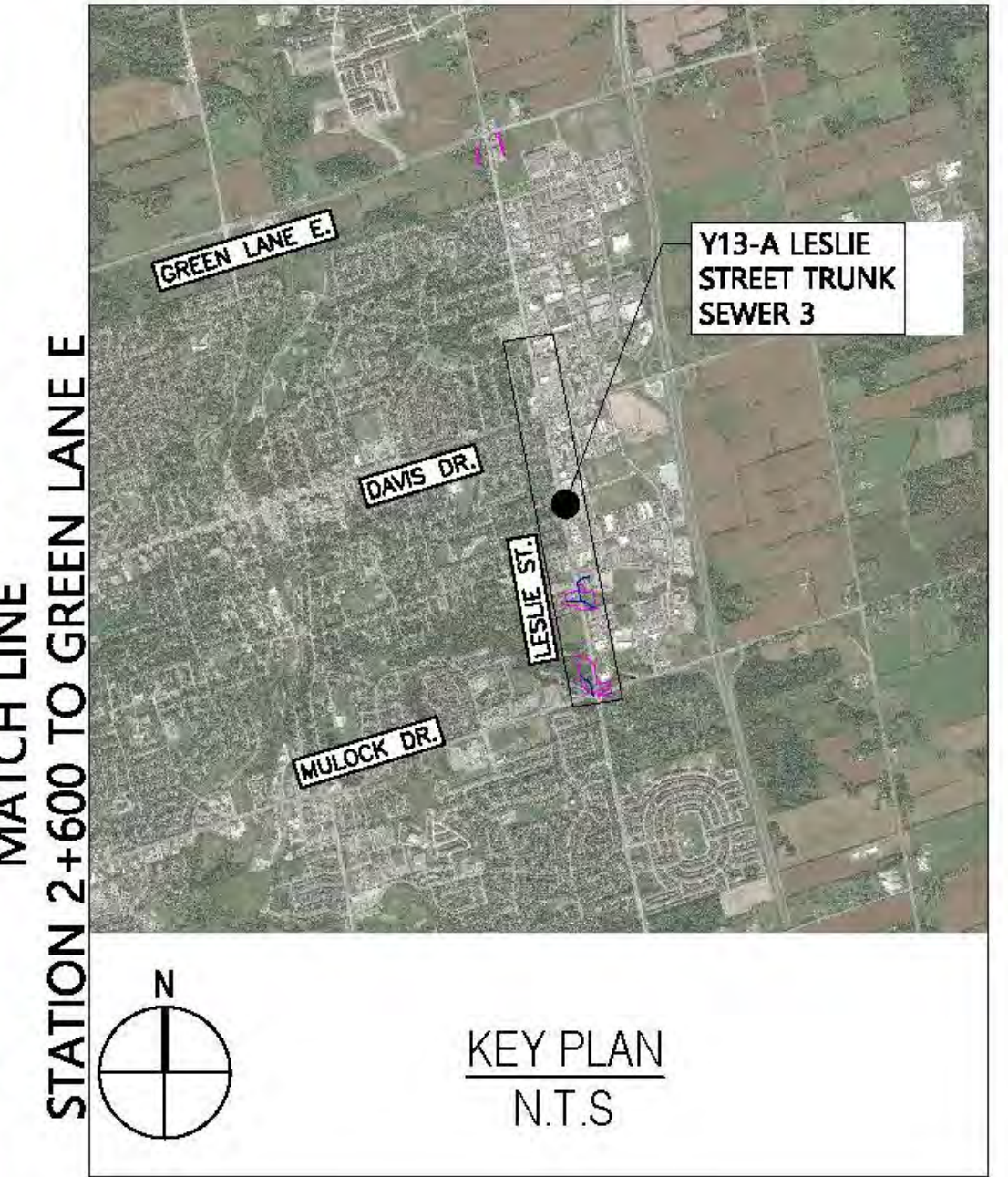
MULOCK SPS ALTERNATIVE LOCATION

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1	2023-09-29	ISSUED FOR YRSW PROJECT REPORT	T.C.

DATE JUL. 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION Y13-B MULOCK SPS	SCALE 1:750
DESIGN		DWG. NO. CI-D012
DRAWN E.Lee		CONT. NO. 0
CHECKED G.Procunier		SHEET NO. 12

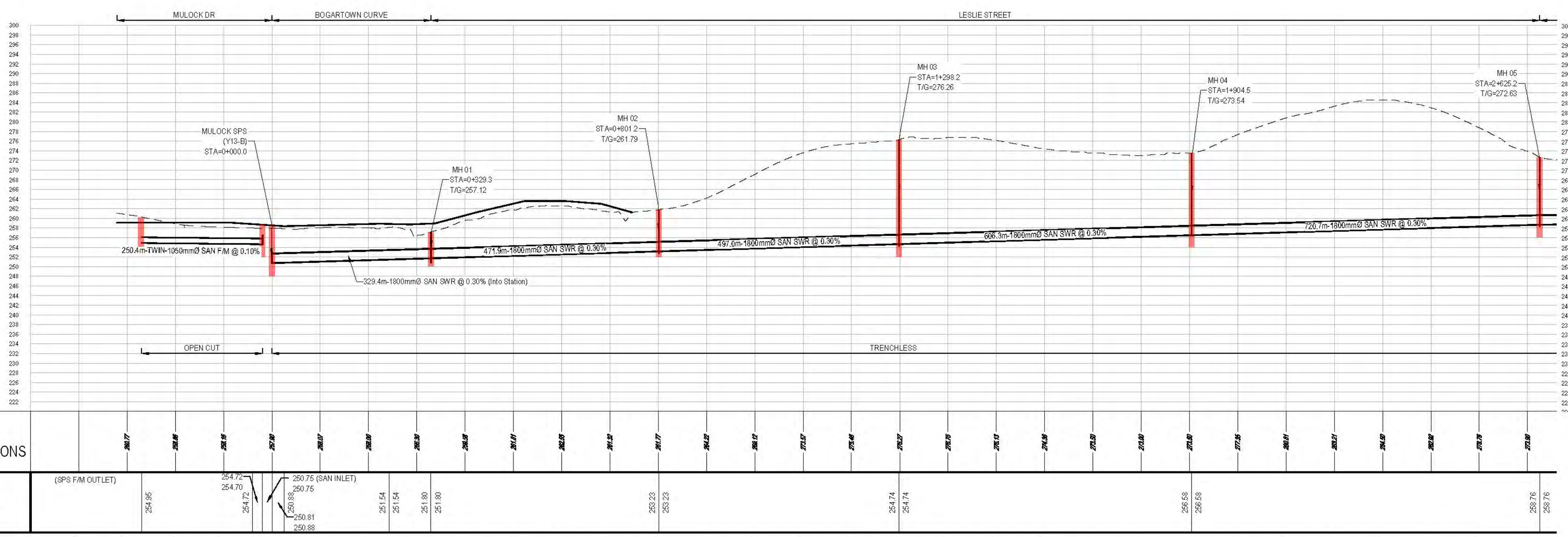
84405-GHD-XX-16-DRG-CI-D012.dwg



LESLIE STREET

MATCH LINE
STATION 2+600 TO GREEN LANE E

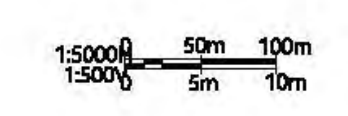
LEGEND	
SYMBOLS	DESCRIPTION
	PROTECTED COUNTRY SIDE
	LSRCA / TRCA REGULATORY LIMIT
	SHAFT LOCATION
	GRAVITY ALIGNMENT
	FORCEMAIN ALIGNMENT
	LAND PARCELS
	CONSTRUCTION COMPOUND



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6. REGION OF YORK ORTHOPHOTOGRAHY PROVIDED BY ArcGIS

EXISTING GROUND ELEVATIONS	INVERT ELEVATIONS
281.7	(SPS FM OUTLET)
281.6	254.85
281.5	254.72
281.4	254.70
281.3	250.75 (SAN INLET)
281.2	250.76
281.1	250.88
281.0	250.81
280.9	250.88
280.8	251.54
280.7	251.54
280.6	251.80
280.5	251.80
280.4	251.80
280.3	250.23
280.2	250.23
280.1	254.74
280.0	254.74
279.9	255.58
279.8	255.58
279.7	255.76
279.6	255.76



84405-GHD-XX-15-DRG-CI-D014.dwg

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DATE	JUL. 2023
DESIGN	
DRAWN	E.Lee
CHECKED	E.Lee

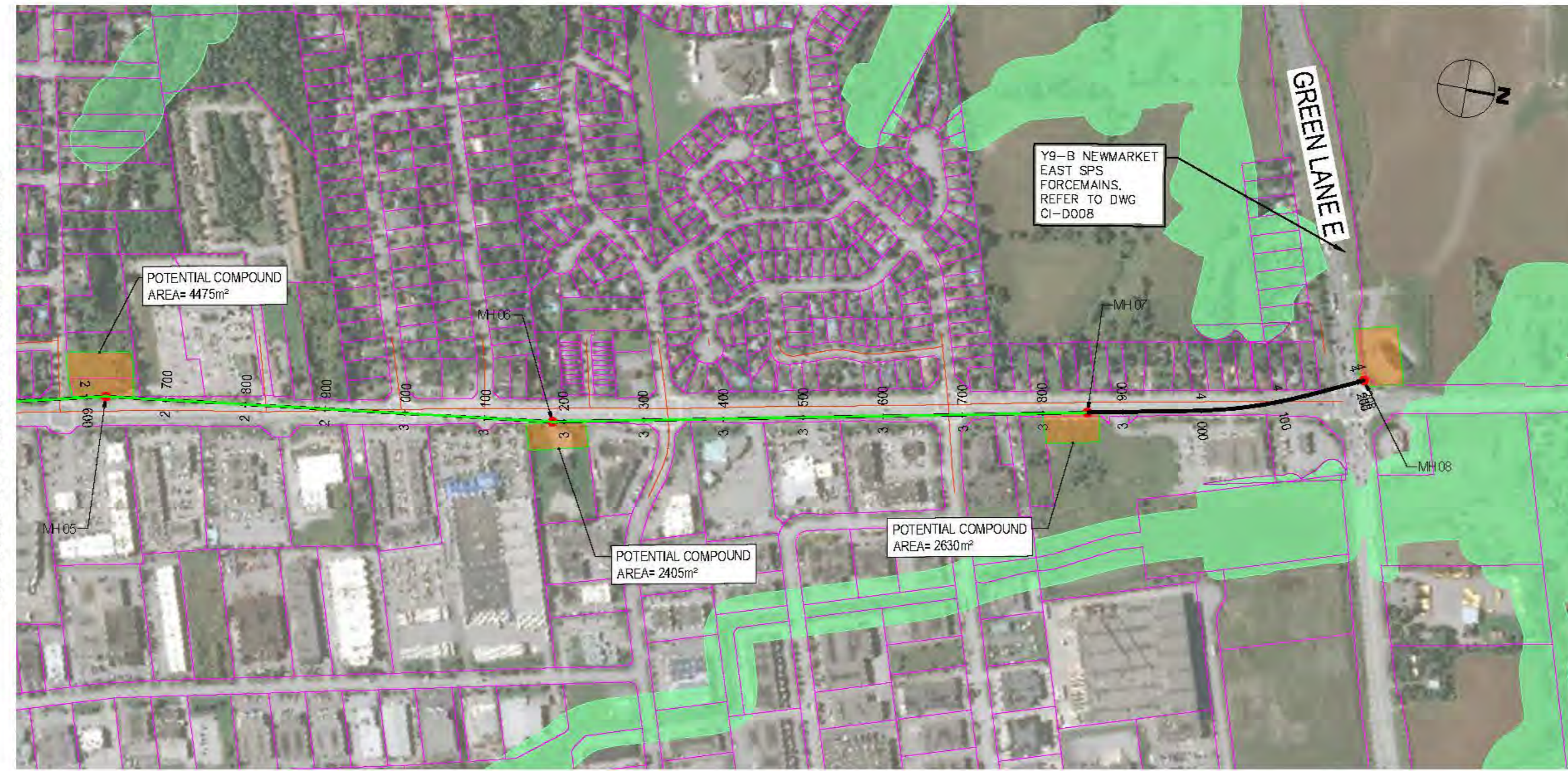
YORK REGION SEWAGE WORKS
NORTH YDSS EXPANSION

**Y13-A LESLIE STREET TRUNK
SEWER PHASE 3 PLAN AND
PROFILE**

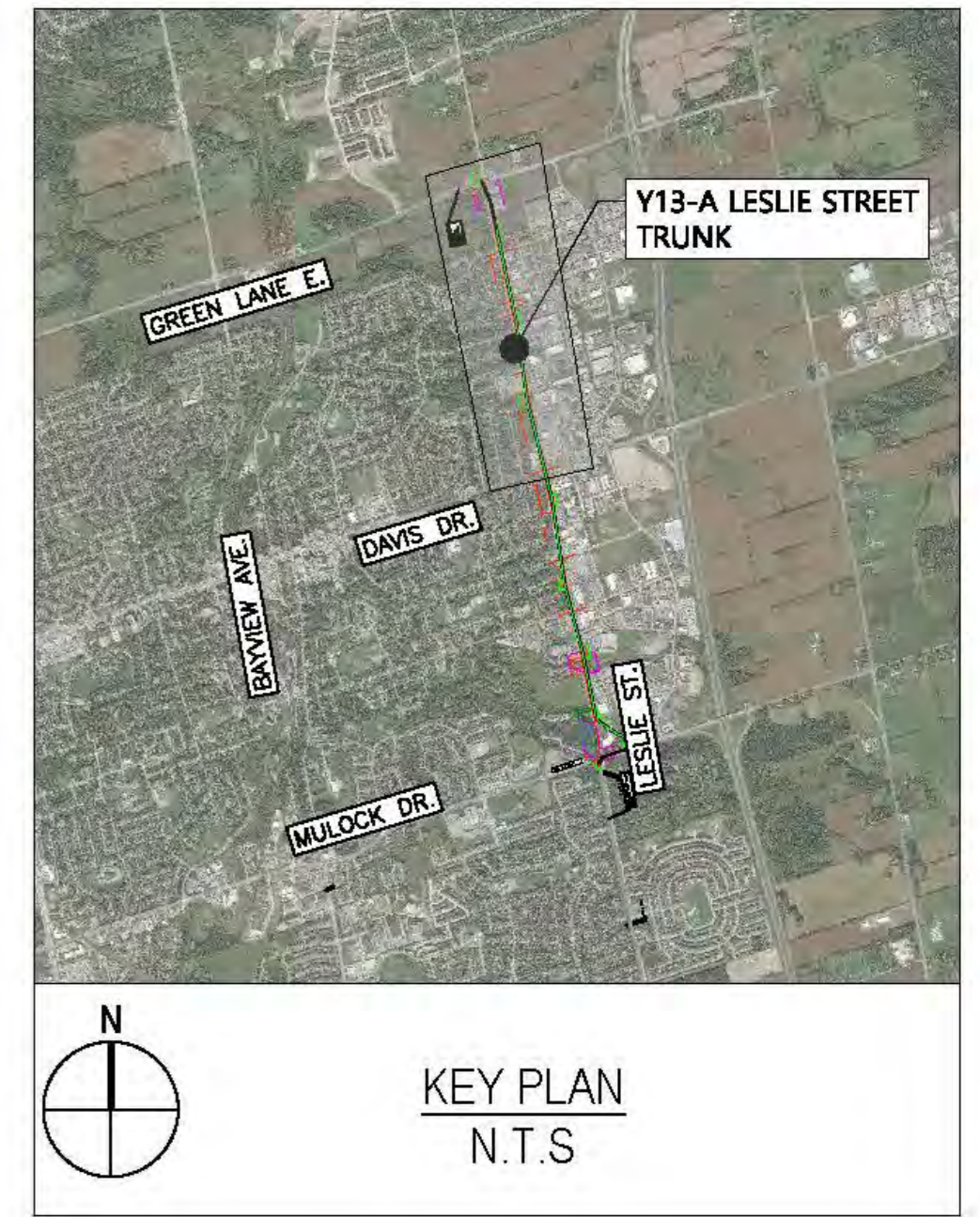
STA. 0+000 TO 2+600

SCALE	1:5000
DWG. NO.	CI-D014
CONT. NO.	
SHEET NO.	14

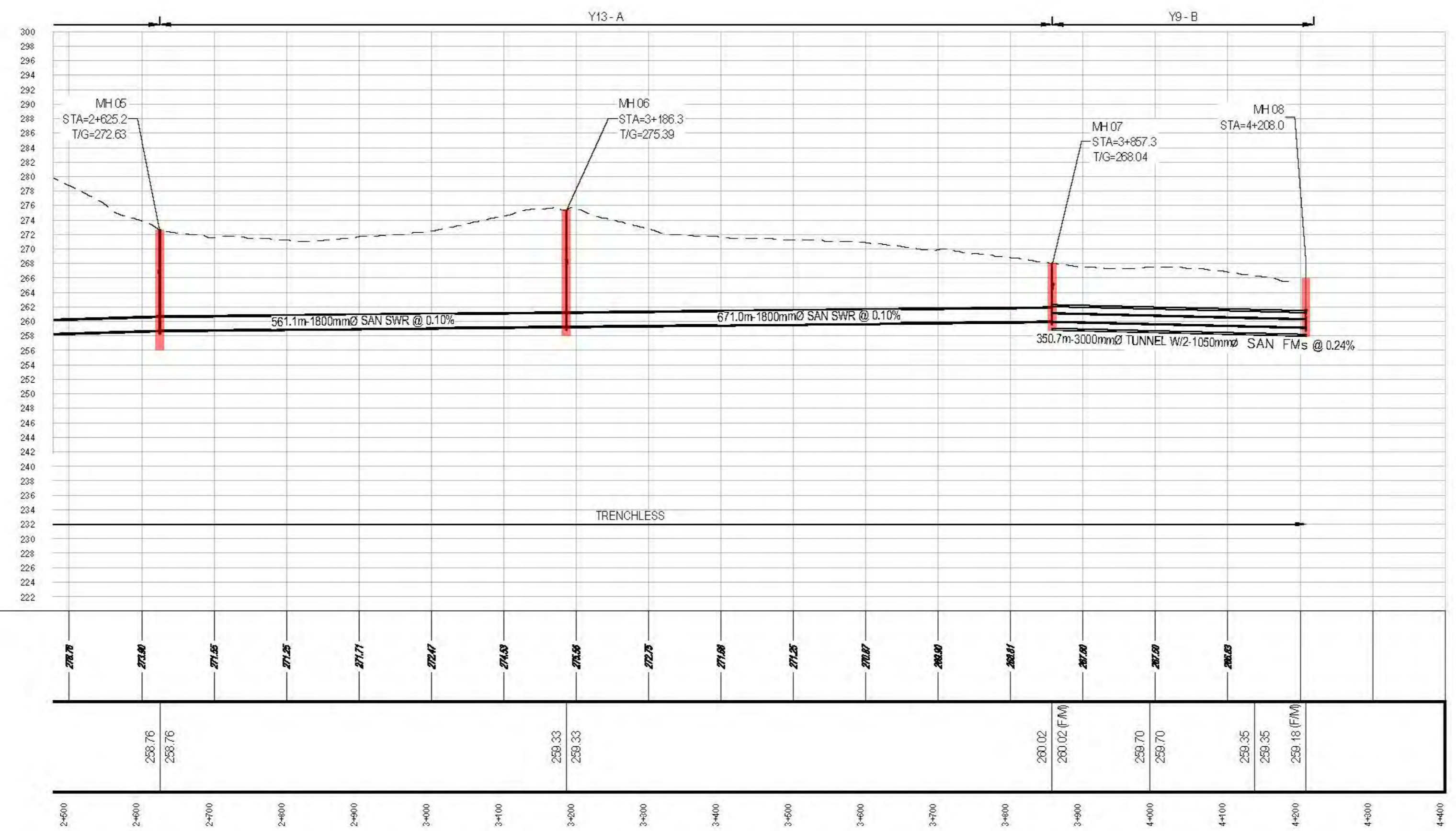
MATCH LINE
STATION 2+600 TO MULOCK DR



LESLIE STREET



LEGEND	
SYMBOLS	DESCRIPTION
	PROTECTED COUNTRY SIDE
	LSRCA / TRCA REGULATORY LIMIT
	SHAFT LOCATION
	GRAVITY ALIGNMENT
	FORCEMAIN ALIGNMENT
	LAND PARCELS
	CONSTRUCTION COMPOUND



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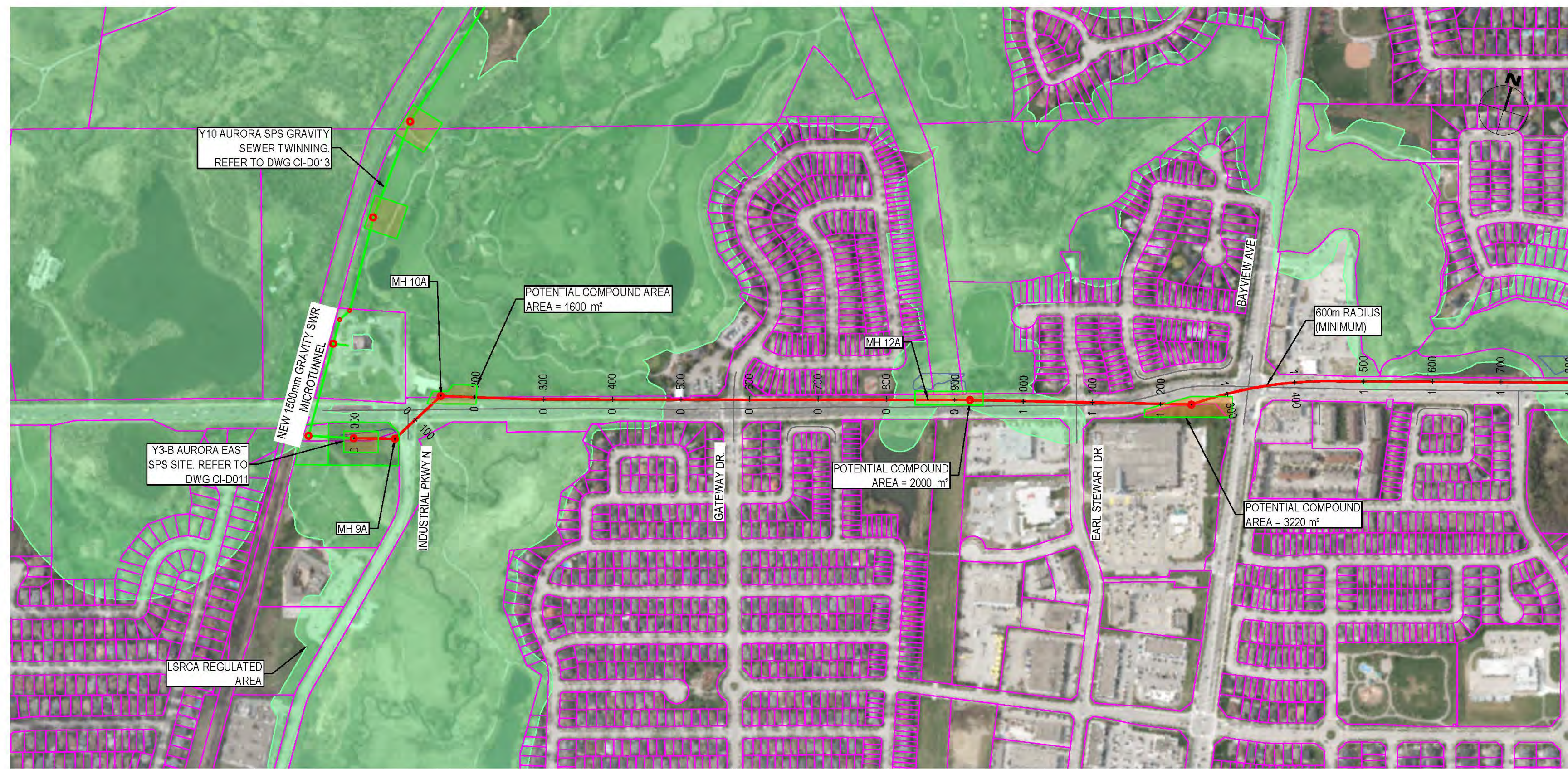
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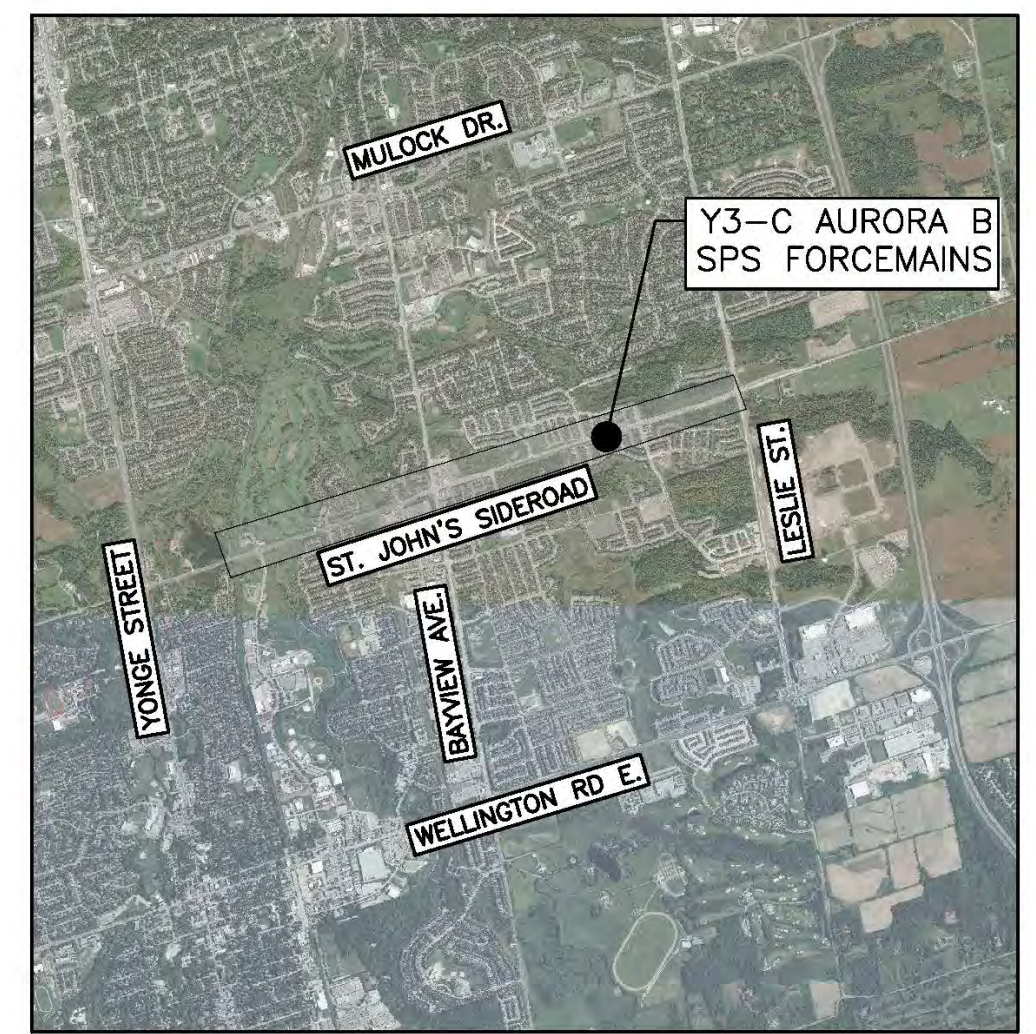
DATE	JUL. 2023
DESIGN	
DRAWN	E.Lee
CHECKED	G.Procunier

YORK REGION SEWAGE WORKS
NORTH YDSS EXPANSION
**Y13-A LESLIE STREET
TRUNK SEWER PHASE 3
PLAN AND PROFILE
STA. 2+600 TO 4+205**

SCALE	1:5000
DWG. NO.	CI-D015
CONT. NO.	0
SHEET NO.	15



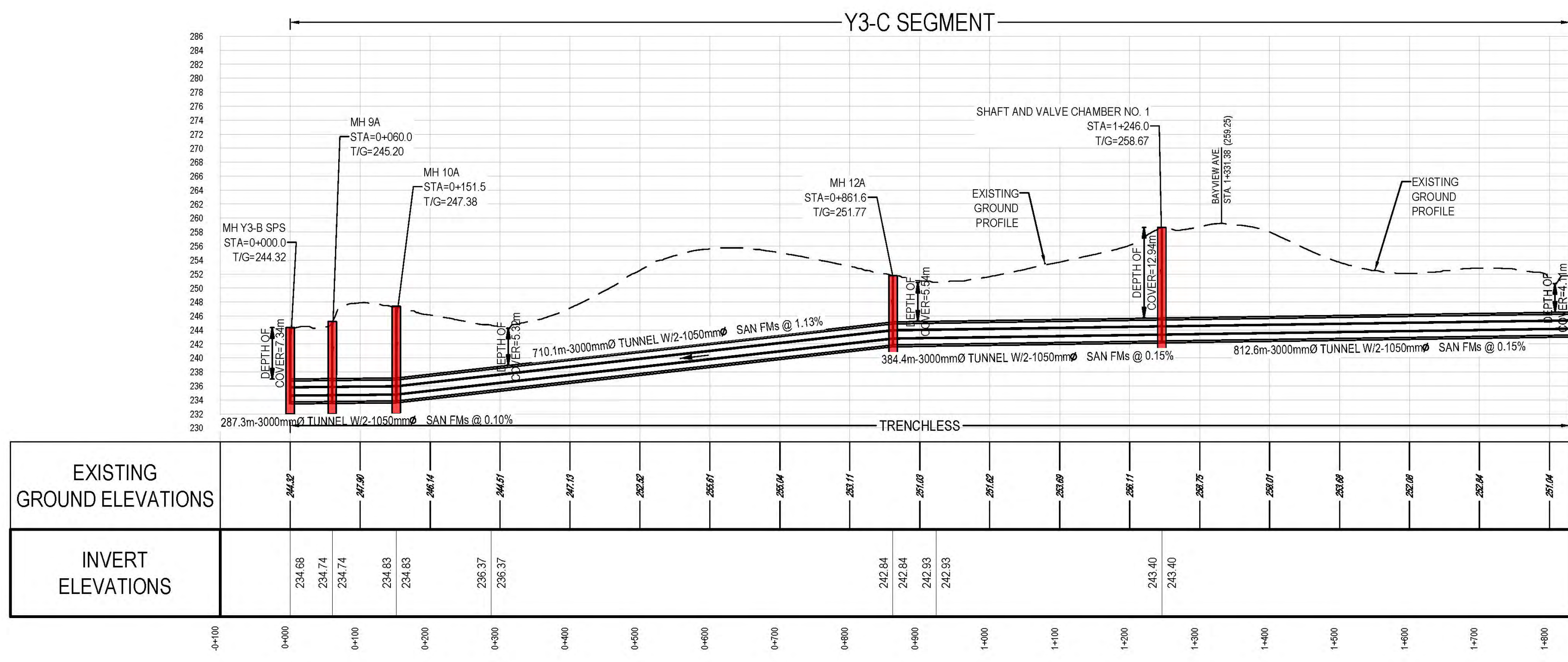
MATCH LINE
STATION 1+800 TO LESLIE ST.



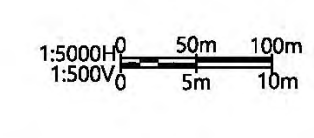
KEY PLAN
N.T.S

ST. JOHN'S SIDEROAD

LEGEND	
SYMBOLS	DESCRIPTION
	PROTECTED COUNTRY SIDE LIMIT
	LSRCA / TRCA REGULATORY LIMIT
	SHAFT LOCATION
	GRAVITY ALIGNMENT
	FORCEMAIN ALIGNMENT
	LAND PARCELS
	CONSTRUCTION COMPOUND



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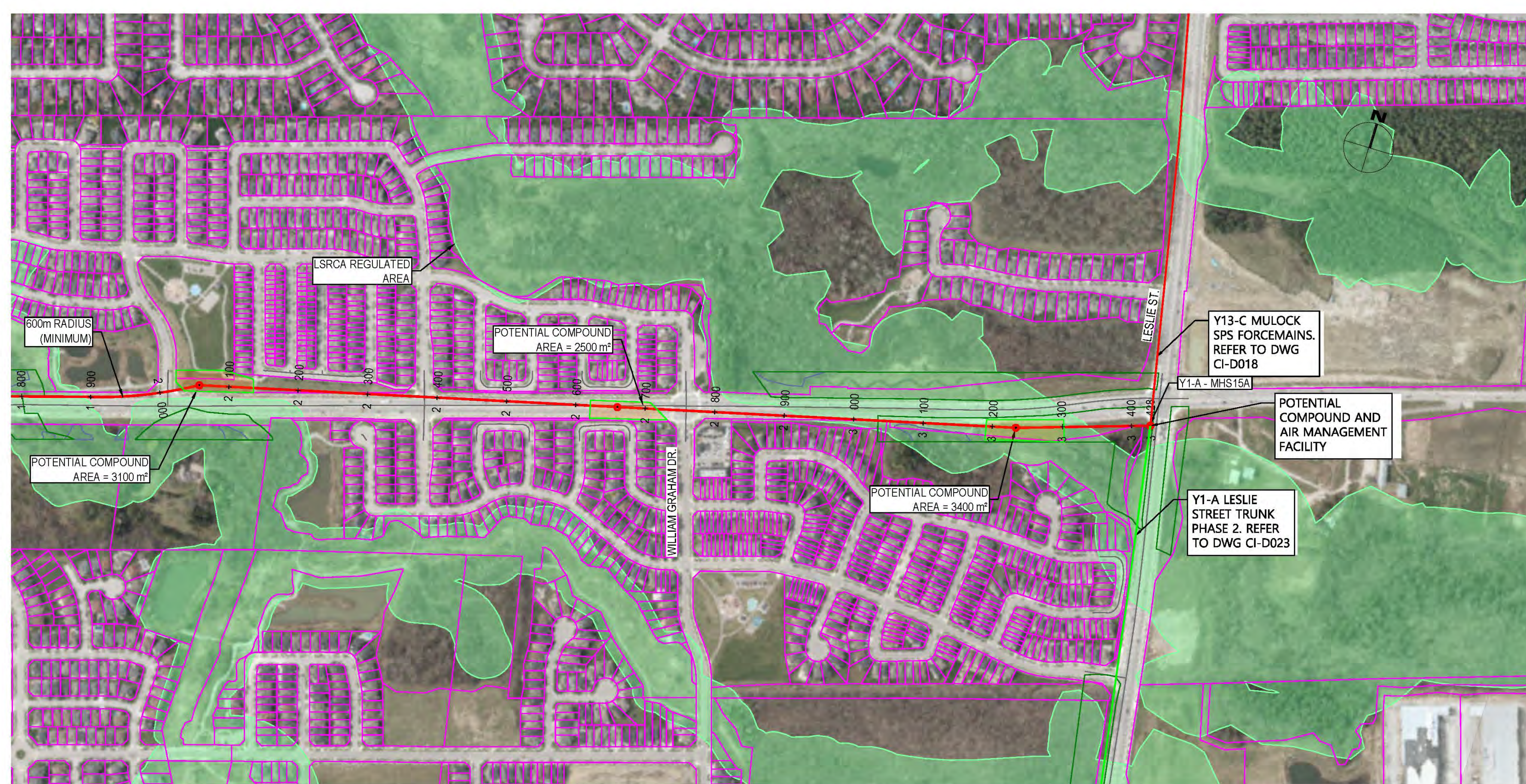
No.	DATE	REVISIONS	BY
1	2023-09-29	ISSUED FOR YRSW PROJECT REPORT	T.C.



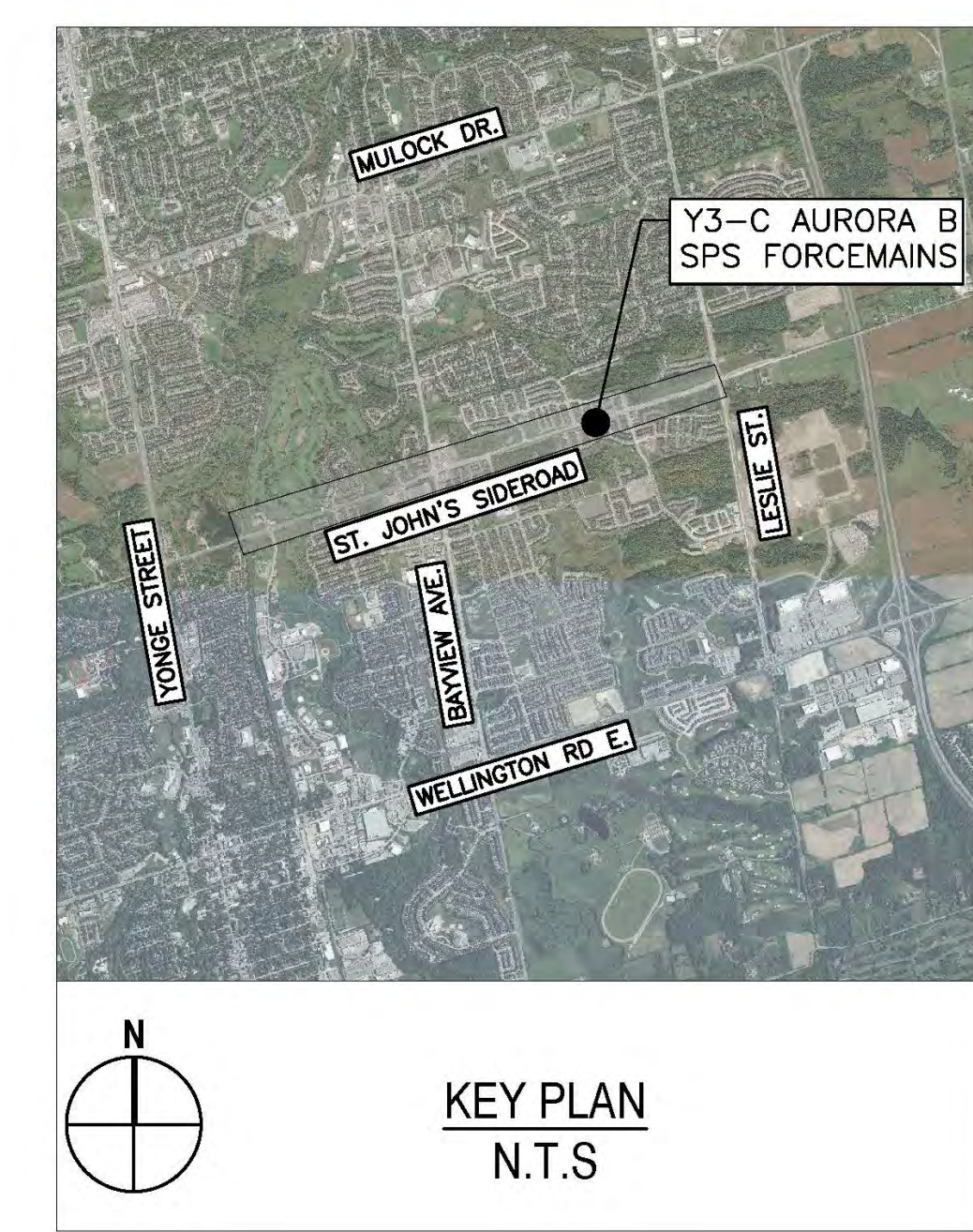
DATE APR. 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION	SCALE 1:5000
DESIGN		DWG. NO. CI-D016
DRAWN E.Lee		CONT. NO. 0
CHECKED G.Procunier		SHEET NO. 16

**Y3-C AURORA EAST SPS F/M
PLAN & PROFILE
STA. 0+000 TO 1+800**

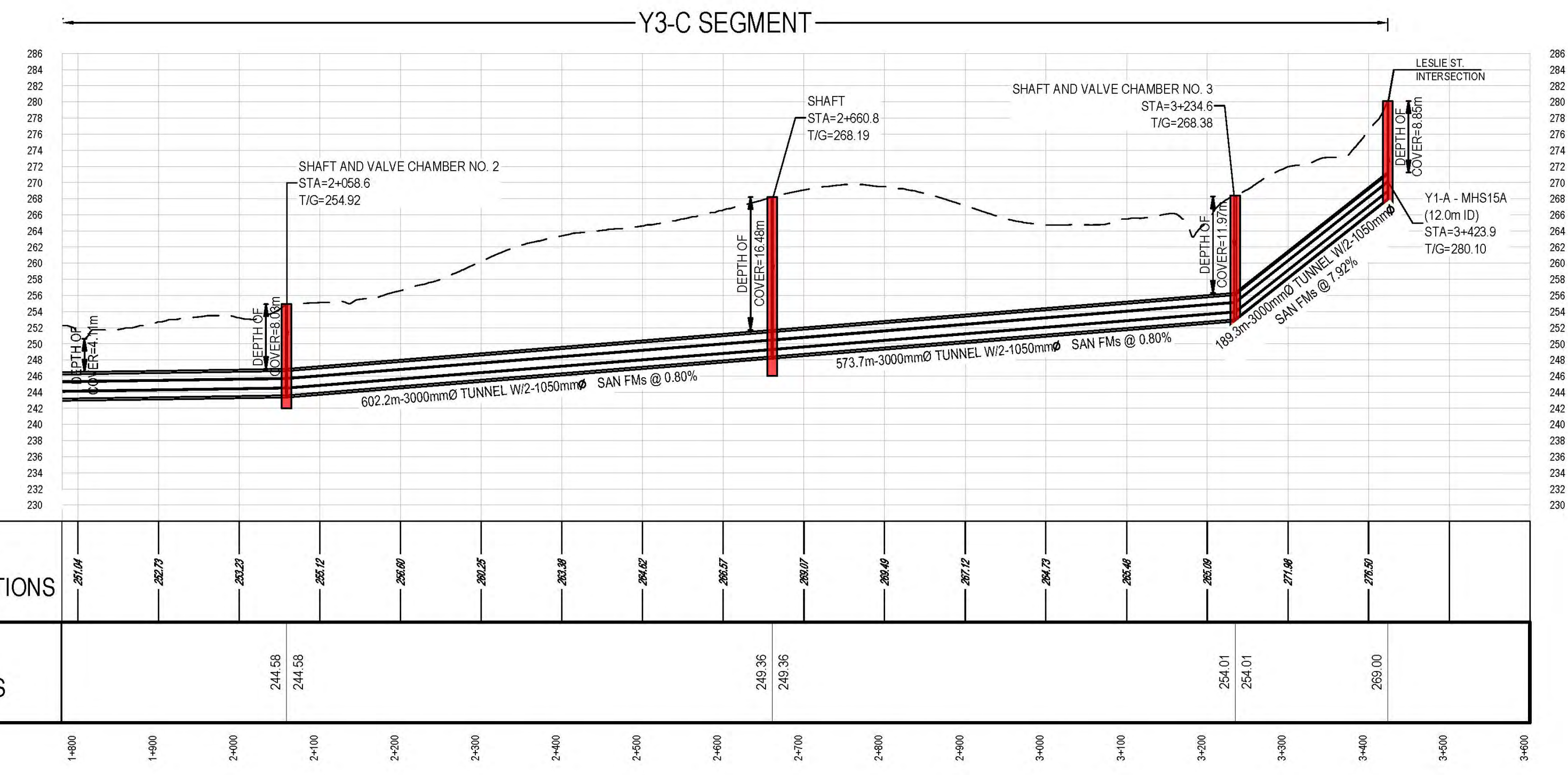
MATCH LINE
STATION 1+800 FROM Y3-B SPS.



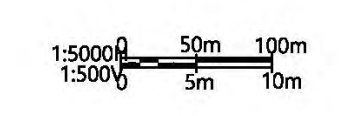
ST. JOHN'S SIDEROAD



LEGEND	
SYMBOLS	DESCRIPTION
	PROTECTED COUNTRY SIDE
	LSRCA / TRCA REGULATORY LIMIT
	SHAFT LOCATION
	GRAVITY ALIGNMENT
	FORCEMAIN ALIGNMENT
	LAND PARCELS
	CONSTRUCTION COMPOUND



- GENERAL NOTES:
1. THE HORIZONTAL AND VERTICAL ALIGNMENTS PRESENTED ON THIS SET OF DRAWINGS IS BASED ON A CONCEPTUAL DESIGN CREATED AS A PROOF OF CONCEPT TO CONVEY ANTICIPATED WASTEWATER FLOWS AS OUTLINED IN THE PROJECT REPORT. THE FINAL LOCATIONS AND ELEVATIONS OF PUMP STATIONS, GRAVITY SEWERS, FORCEMAINS, AND OTHER SUPPORTING INFRASTRUCTURE ARE CONCEPTUAL AND SUBJECT TO REVISION WITHIN THE STUDY AREAS FOLLOWING FURTHER FIELD INVESTIGATION, UTILITY COORDINATION, AND DESIGN.
 2. ALL ALIGNMENTS ARE SUBJECT TO CONSIDERATION OF CONCURRENT PROJECTS BY OTHER STAKEHOLDERS.
 3. THE VERTICAL PROFILE IS SUBJECT TO CHANGE BASED ON DETAILED ENGINEERING INVESTIGATIONS AND ENGINEERING ANALYSIS. DEPTH OF SEWER INVERTS AND SHAFTS MAY BE ADJUSTED TO SUIT HYDRAULIC IMPROVEMENTS, CLEARANCES BELOW WATER BODIES, EXISTING INFRASTRUCTURE, AND GEOTECHNICAL AND HYDROGEOLOGICAL CONDITIONS.
 4. POTENTIAL COMPOUND AREAS ARE IDENTIFIED ON THE DRAWINGS AND ARE SUBJECT TO CHANGE IN SIZE, SHAPE, LOCATION AND QUANTITY IN ORDER TO SUPPORT CONSTRUCTION ACTIVITIES.
 5. WHERE CONCEPT DESIGN LOCATIONS ARE LOCATED WITHIN CONSERVATION AUTHORITY REGULATED AREAS, FURTHER INVESTIGATION WILL BE UNDERTAKEN TO DETERMINE AND MINIMIZE IMPACTS. IF CONSTRUCTION WITHIN A FLOODPLAIN AREA CANNOT BE AVOIDED THEN THE LOCATIONS WHERE FLOODPLAIN STORAGE OR COMPENSATION COULD BE ACCOMMODATED WILL BE IDENTIFIED DURING DESIGN.
 6. REGION OF YORK ORTHOPHOTOGRAPHY PROVIDED BY ArcGIS



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THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED.



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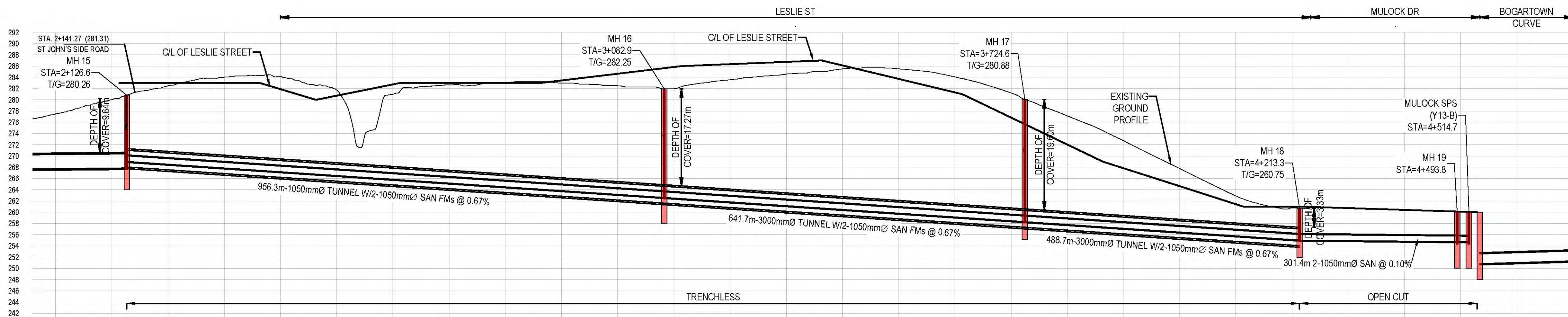
DATE APR. 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION	SCALE 1:5000
DESIGN		DWG. NO. CI-D017
DRAWN E.Lee		CONT. NO. 0
CHECKED G.Procunier		SHEET NO. 17
Y3-C AURORA EAST SPS F/M PLAN & PROFILE STA. 1+800 TO 3+424		



LESLIE STREET



LEGEND	
SYMBOLS	DESCRIPTION
	PROTECTED COUNTRY SIDE
	LSRCA / TRCA REGULATORY LIMIT
	SHAFT LOCATION
	GRAVITY ALIGNMENT
	FORCEMAIN ALIGNMENT
	LAND PARCELS
	CONSTRUCTION COMPOUND



EXISTING GROUND ELEVATIONS	INVERT ELEVATIONS
277.50	257.85 (S)
286.02	268.00 (S)
282.10	
284.02	
281.74	266.21
282.89	266.21
282.88	
282.02	
282.00	
282.89	262.58
281.89	262.58
282.89	
284.55	
286.51	
282.89	
284.89	
281.22	258.28
277.14	258.28
272.72	
287.78	
282.88	
282.88	
282.74	255.00
282.74	255.00
284.95	254.95
284.95	254.95
254.72	254.72
254.72	254.72
250.81	250.81
250.88	250.88

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 - REGION OF YORK ORTHOPHOTOGRAPHY PROVIDED BY ArcGIS

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DATE JUL 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION Y13-C MULOCK SPS F/M PLAN & PROFILE STA. 2+100 TO 4+500	SCALE 5000
DESIGN		DWG. NO. CI-D018
DRAWN E.Lee		CONT. NO. 0
CHECKED D.Paynter		SHEET NO. 18