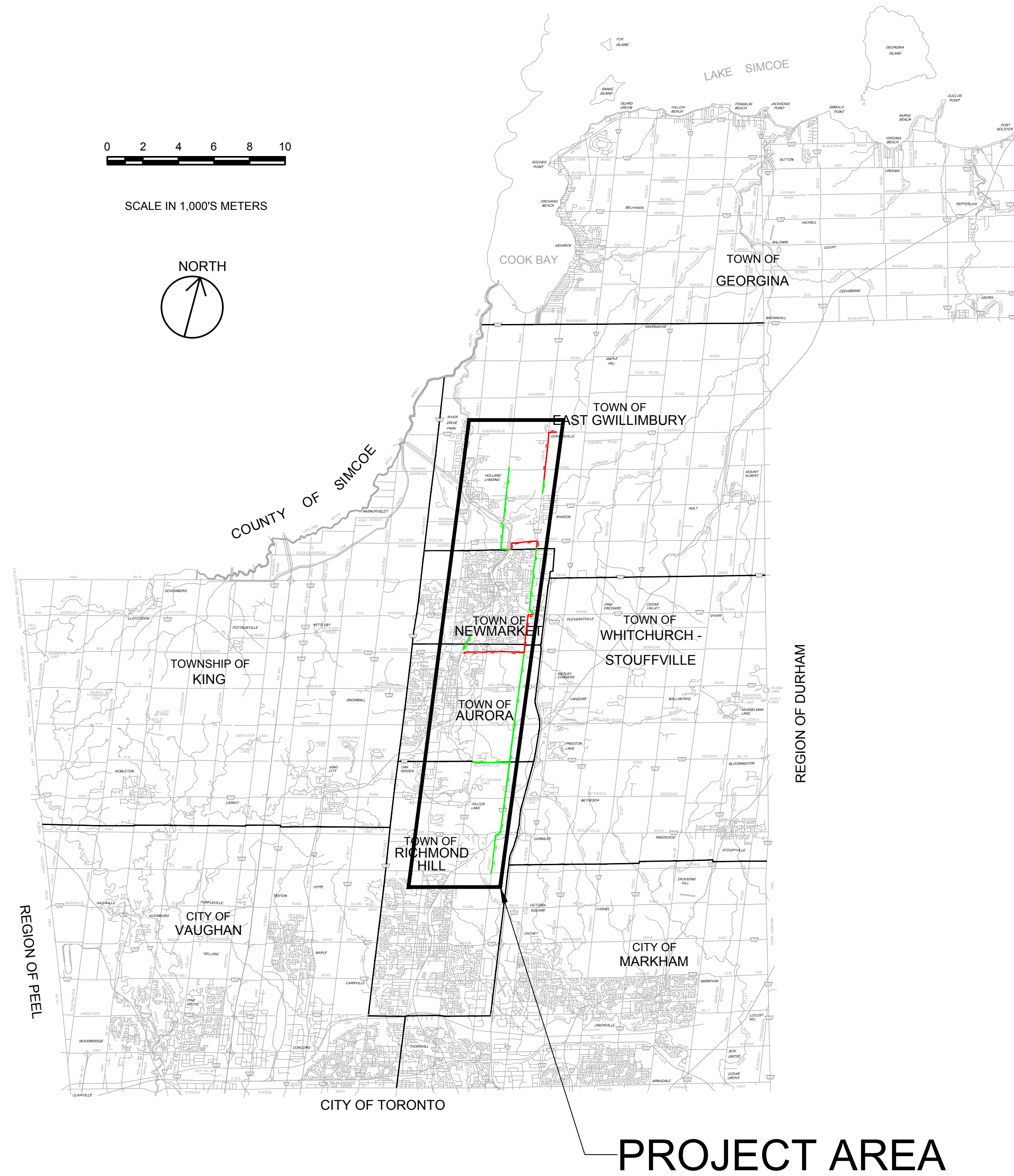




Public Works - Environmental Services

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



File Location: D:\ACAD\Proj\WorkDir\Projects\840584405-GHD-XX-DRG-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
01	CI-D001	COVER SHEET
02	CI-D002	DRAWING LIST AND GENERAL NOTES
03	CI-D003	SITE PLAN

CIVIL

SHEET NO.	DRAWING NUMBER	DRAWING DESCRIPTION
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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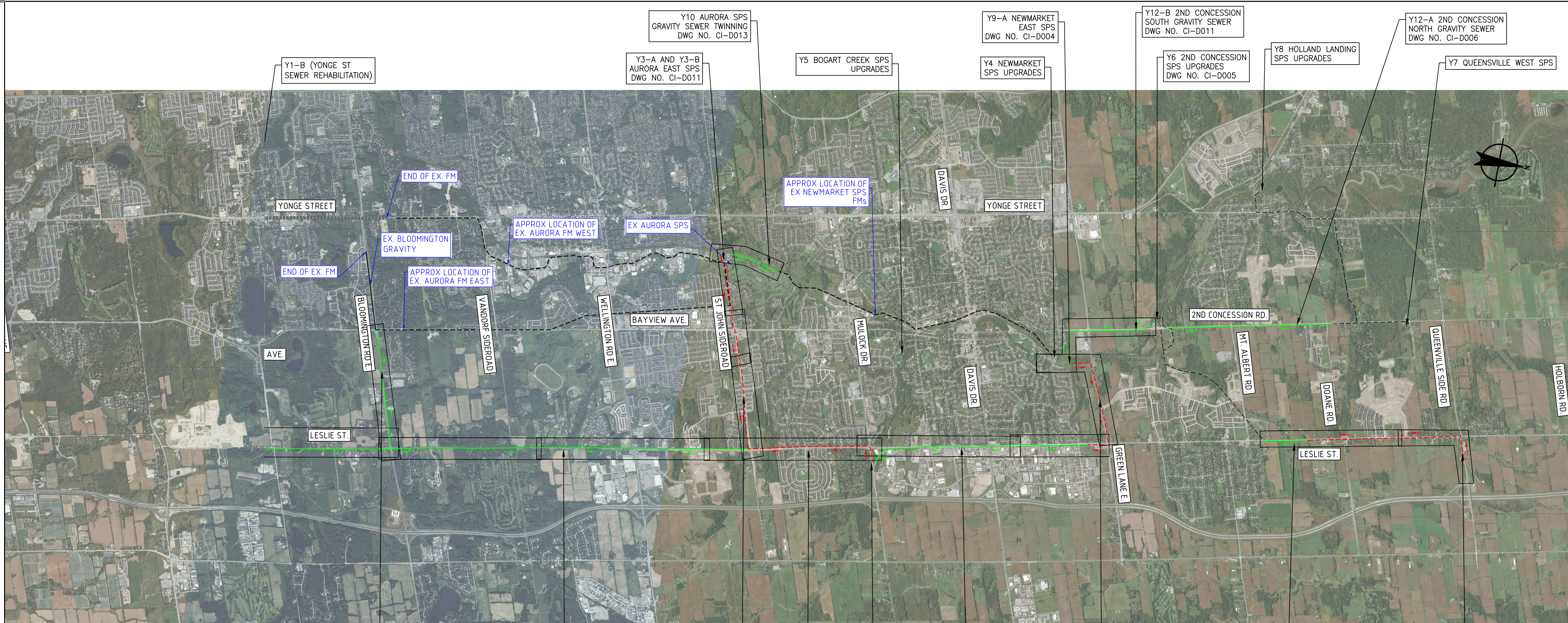


DATE APR. 2023
DESIGN
DRAWN E.Lee
CHECKED G.Procunier

YORK REGION SEWAGE WORKS PROJECT  
NORTH YDSS EXPANSION

DRAWING LIST AND  
GENERAL NOTES


SCALE
DWG. NO. CI-D002
CONT. NO. 0
SHEET NO. 2



- Y1-B (YONGE ST SEWER REHABILITATION)
- Y1-A1 LESLIE STREET TRUNK SEWER 1 DWG NO. CI-D019 DWG NO. CI-D020 DWG NO. CI-D021
- Y14 - BLOOMINGTON GRAVITY SEWER DWG NO. CI-D024
- Y1-A2 LESLIE STREET TRUNK SEWER 2 DWG NO. CI-D021 DWG NO. CI-D022 DWG NO. CI-D023
- Y10 AURORA SPS GRAVITY SEWER TWINNING DWG NO. CI-D013
- Y3-A AND Y3-B AURORA EAST SPS DWG NO. CI-D011
- Y3-C AURORA B SPS FORCEMAINS DWG NO. CI-D016 DWG NO. CI-D017
- Y13-C MULOCK SPS FM DWG NO. CI-D018
- Y5 BOGART CREEK SPS UPGRADES
- Y13-A LESLIE STREET TRUNK SEWER 3 DWG NO. CI-D014 DWG NO. CI-D015
- Y9-A NEWMARKET EAST SPS DWG NO. CI-D004
- Y4 NEWMARKET SPS UPGRADES
- Y9-B NEWMARKET EAST SPS FM DWG NO. CI-D008
- Y12-B 2ND CONCESSION SOUTH GRAVITY SEWER DWG NO. CI-D011
- Y6 2ND CONCESSION SPS UPGRADES DWG NO. CI-D005
- Y11-B QUEENSVILLE EAST FM DWG NO. CI-D009 DWG NO. CI-D010
- Y8 HOLLAND LANDING SPS UPGRADES
- Y12-A 2ND CONCESSION NORTH GRAVITY SEWER DWG NO. CI-D006
- Y7 QUEENSVILLE WEST SPS
- Y11-A QUEENSVILLE EAST SPS

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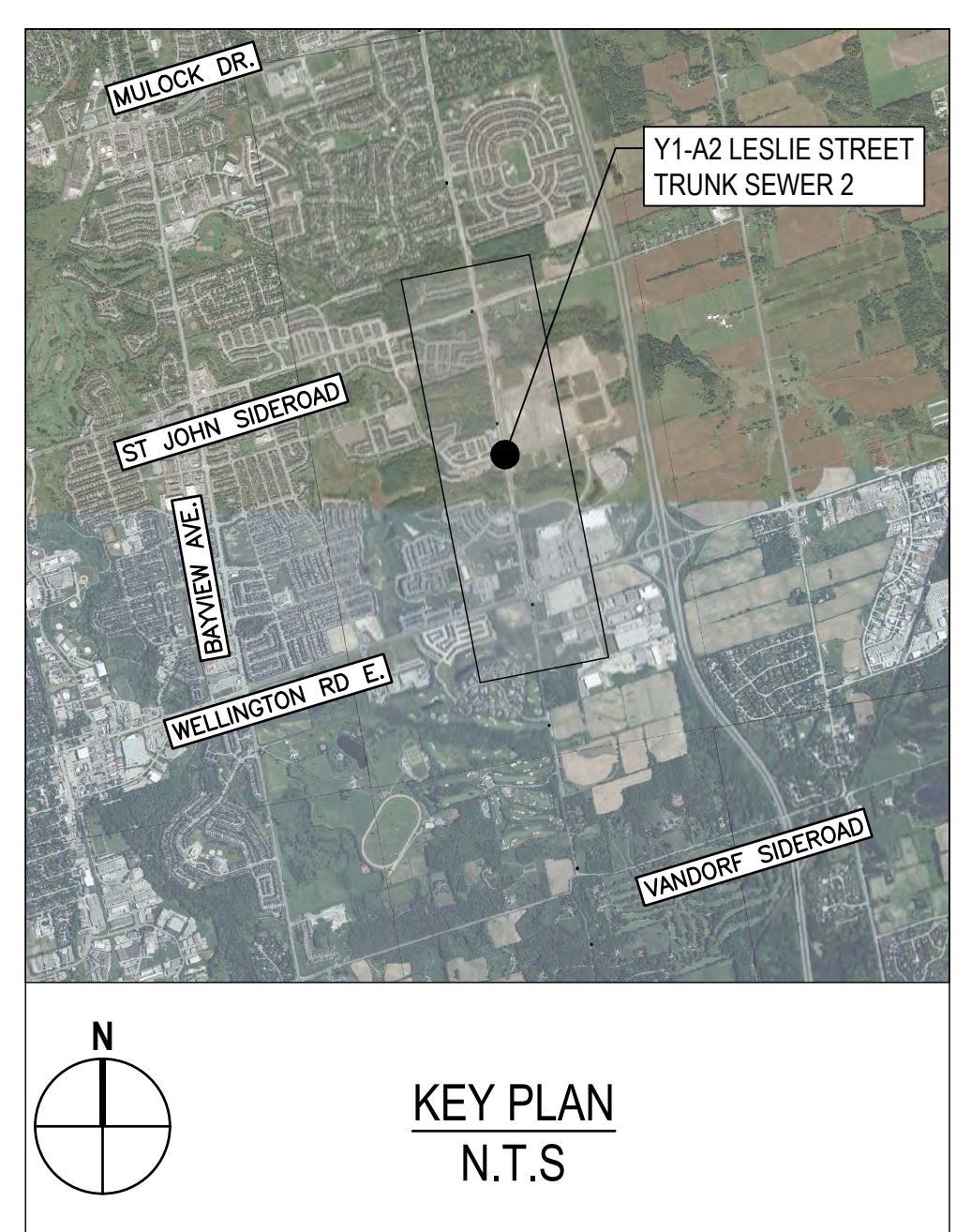
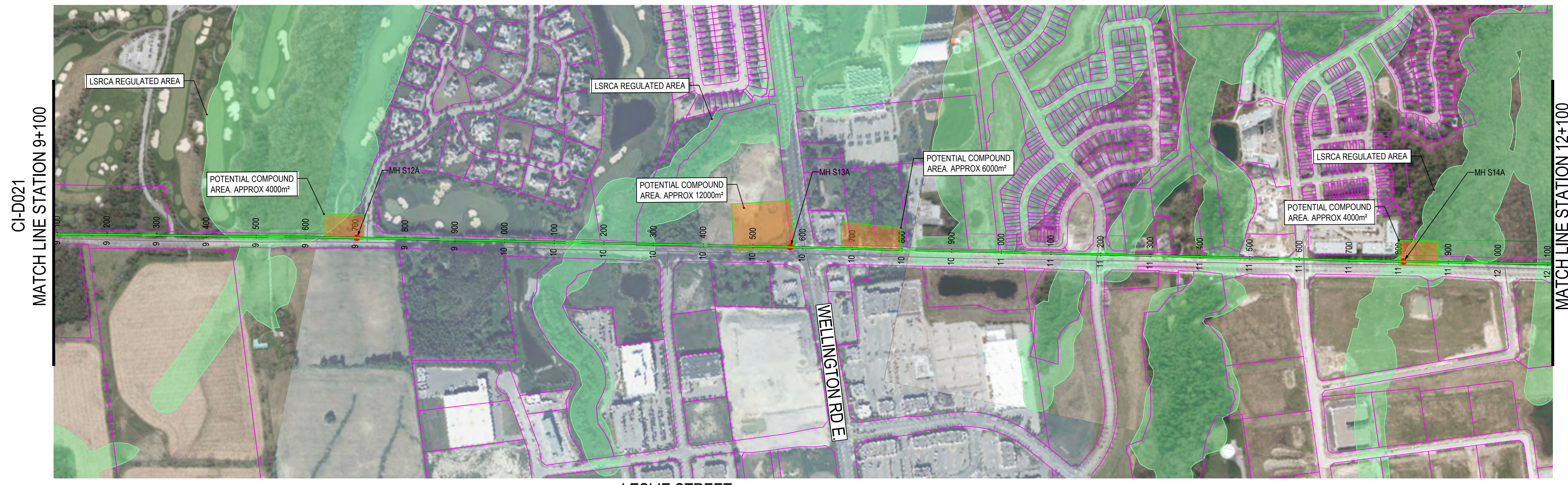
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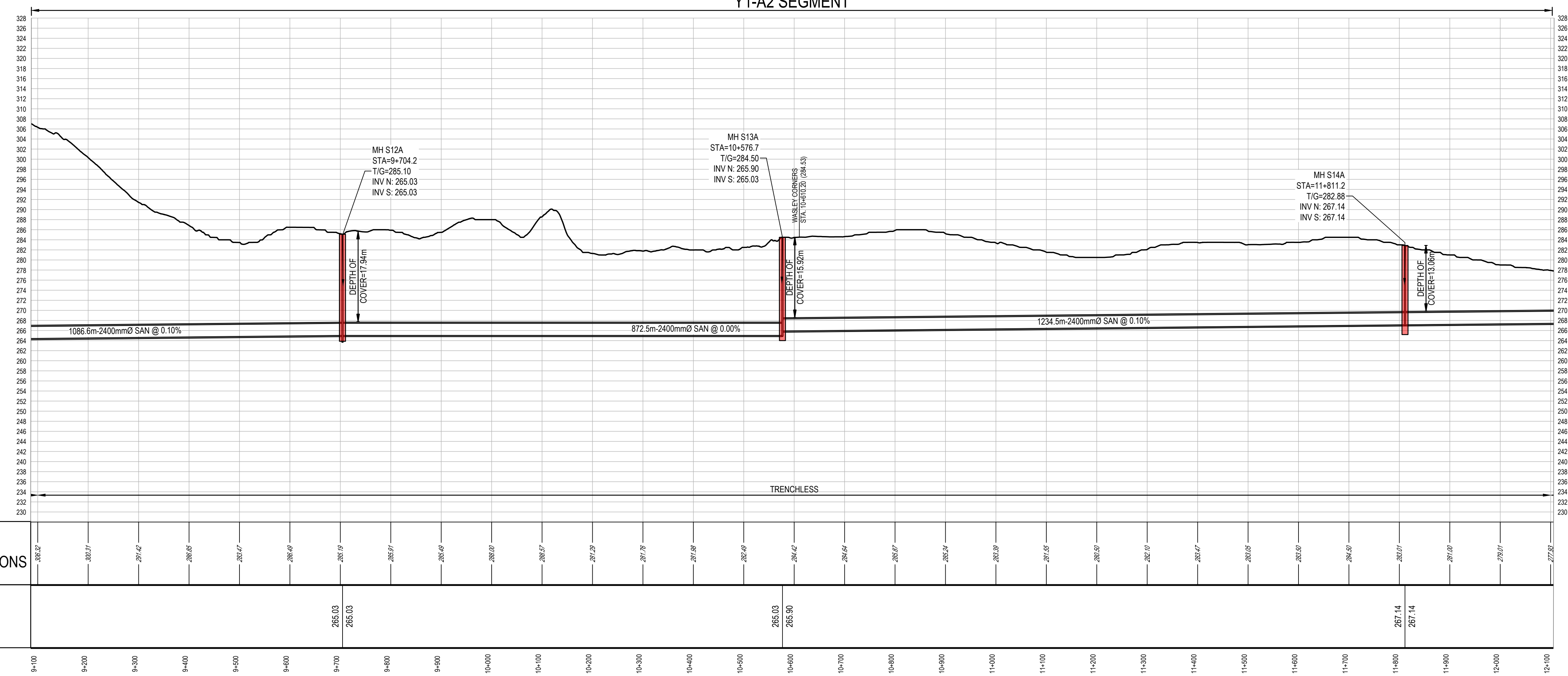
DATE MAY 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION  YDSS NORTH EXPANSION SITE PLAN	SCALE NTS
DESIGN		DWG. NO. CI-D003
DRAWN E.Lee		CONT. NO. 0
CHECKED G.Procunier		SHEET NO. 3

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



KEY PLAN  
N.T.S

LESLIE STREET  
Y1-A2 SEGMENT



Station	Existing Ground Elevations (m)	Invert Elevations (m)
9+100	305.2	
9+200	302.7	
9+300	291.4	
9+400	286.6	
9+500	284.7	
9+600	286.9	
9+700	285.9	265.03
9+800	286.7	265.03
9+900	286.6	
10+000	288.0	
10+100	288.7	
10+200	287.3	
10+300	287.8	
10+400	286.8	
10+500	286.9	
10+600	284.7	265.03
10+700	284.4	265.90
10+800	286.7	
10+900	285.2	
11+000	284.9	
11+100	281.5	
11+200	286.9	
11+300	282.0	
11+400	284.7	
11+500	282.0	
11+600	282.9	
11+700	286.9	
11+800	282.0	
11+900	282.0	267.14
12+000	278.0	267.14
12+100	277.9	

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

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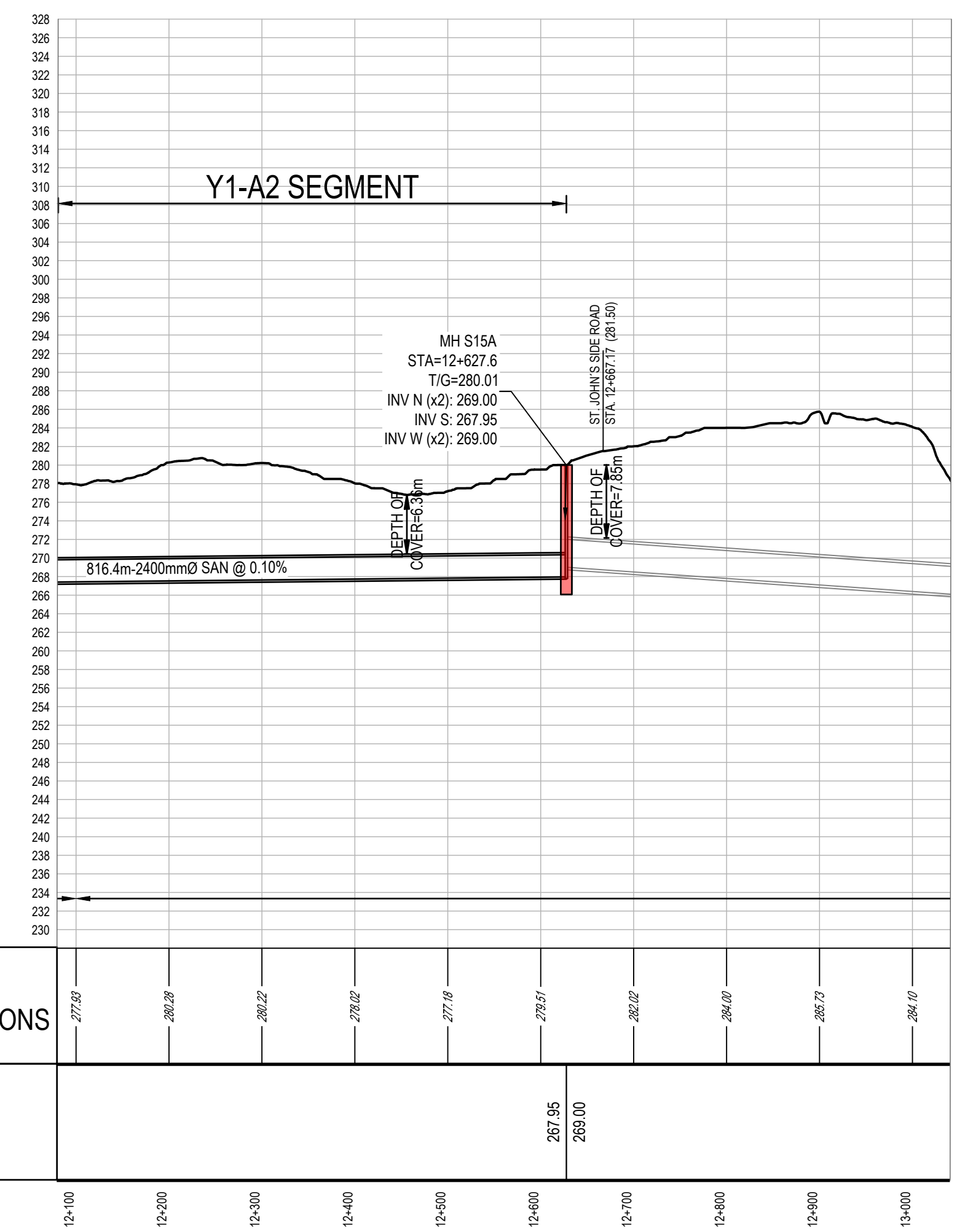
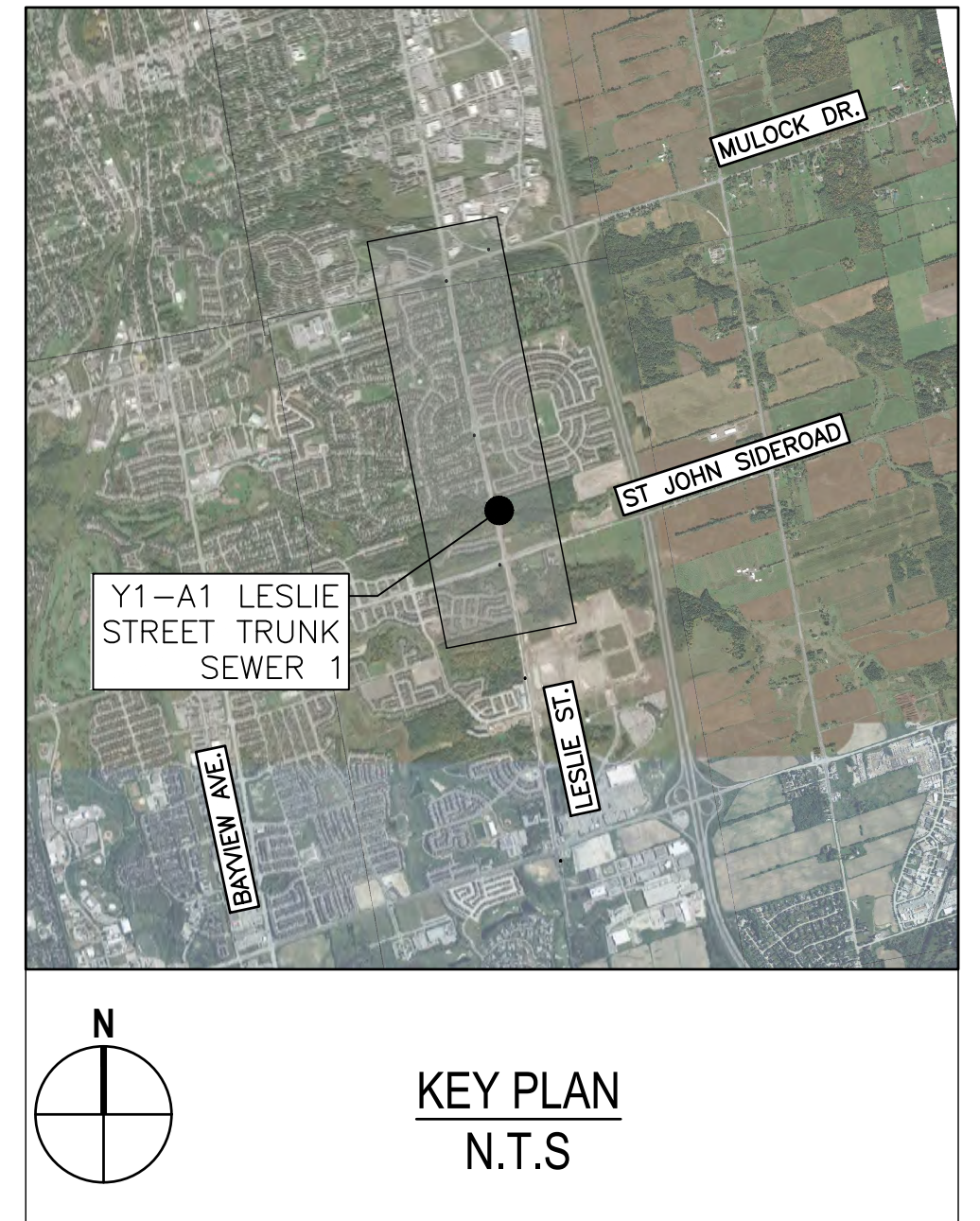
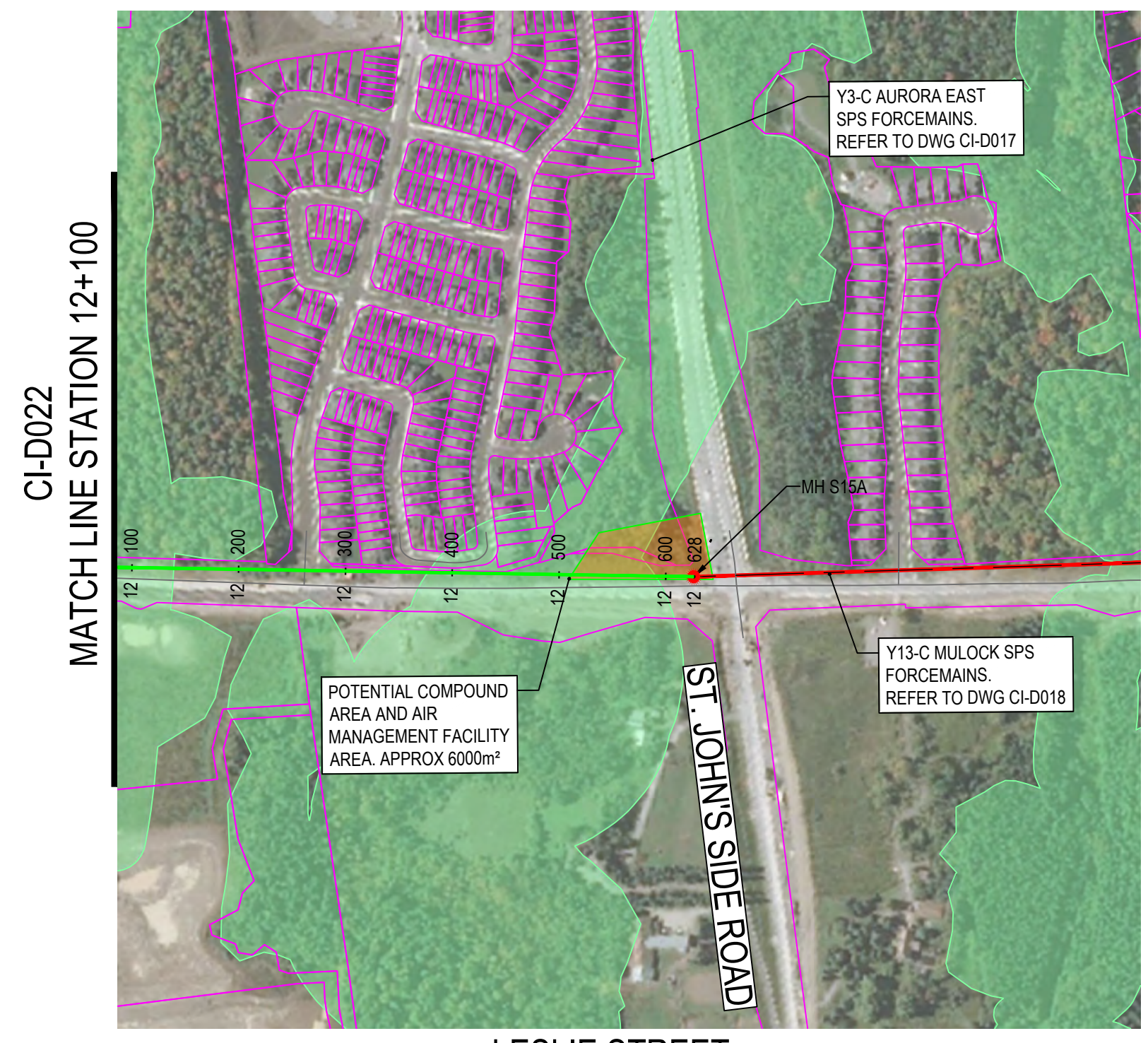
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1	2023-09-29	ISSUED FOR YRSW PROJECT REPORT	T.C.

DATE APR. 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION	SCALE 1:5000
DESIGN H.M.		DWG. NO. CI-D022
DRAWN E.Lee		CONT. NO. 0
CHECKED M.Blouin		SHEET NO. 22
Y1-A LESLIE ST TRUNK SWR PHASES 1&2 PLAN & PROFILE STA. 9+100 TO 12+100		



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

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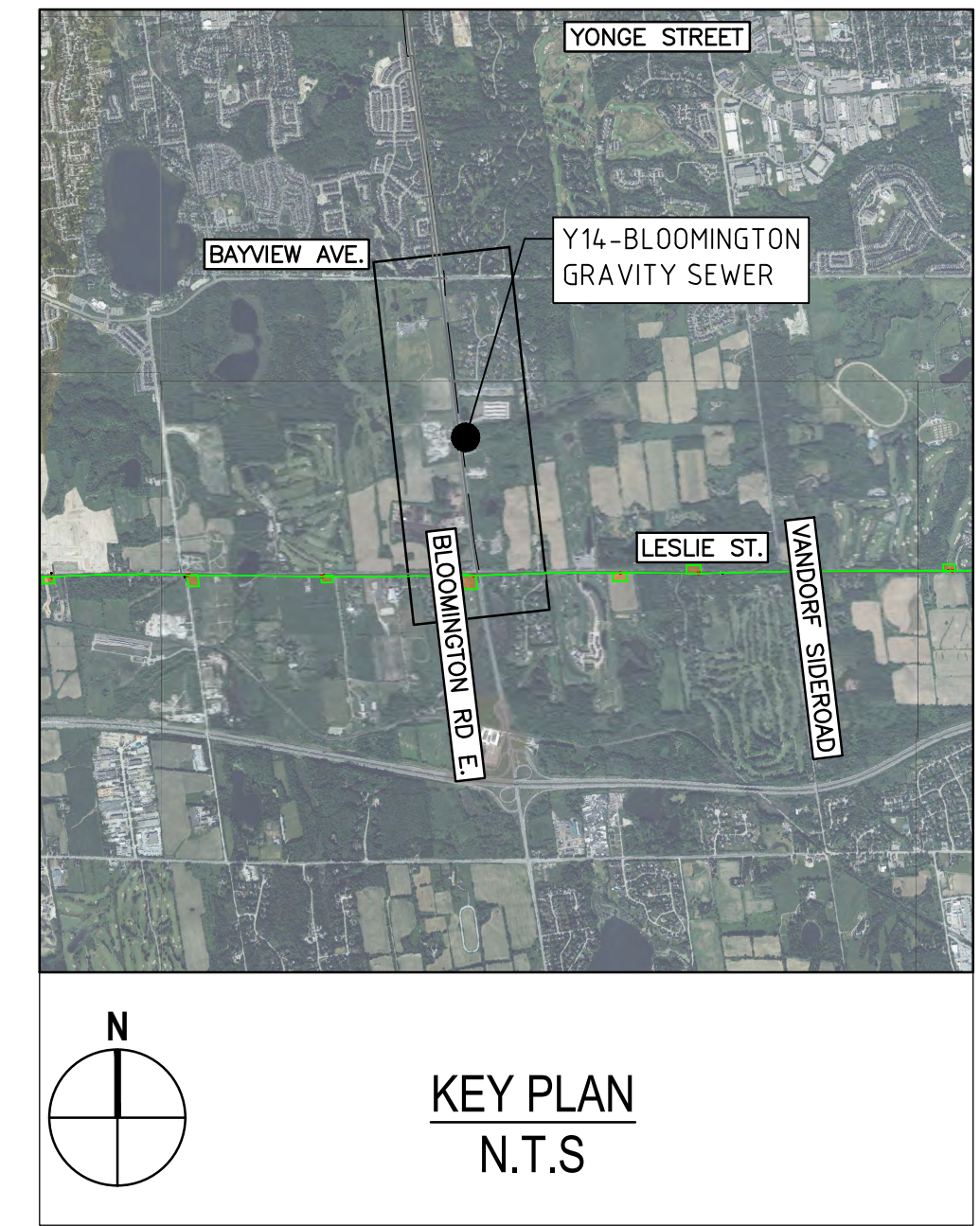
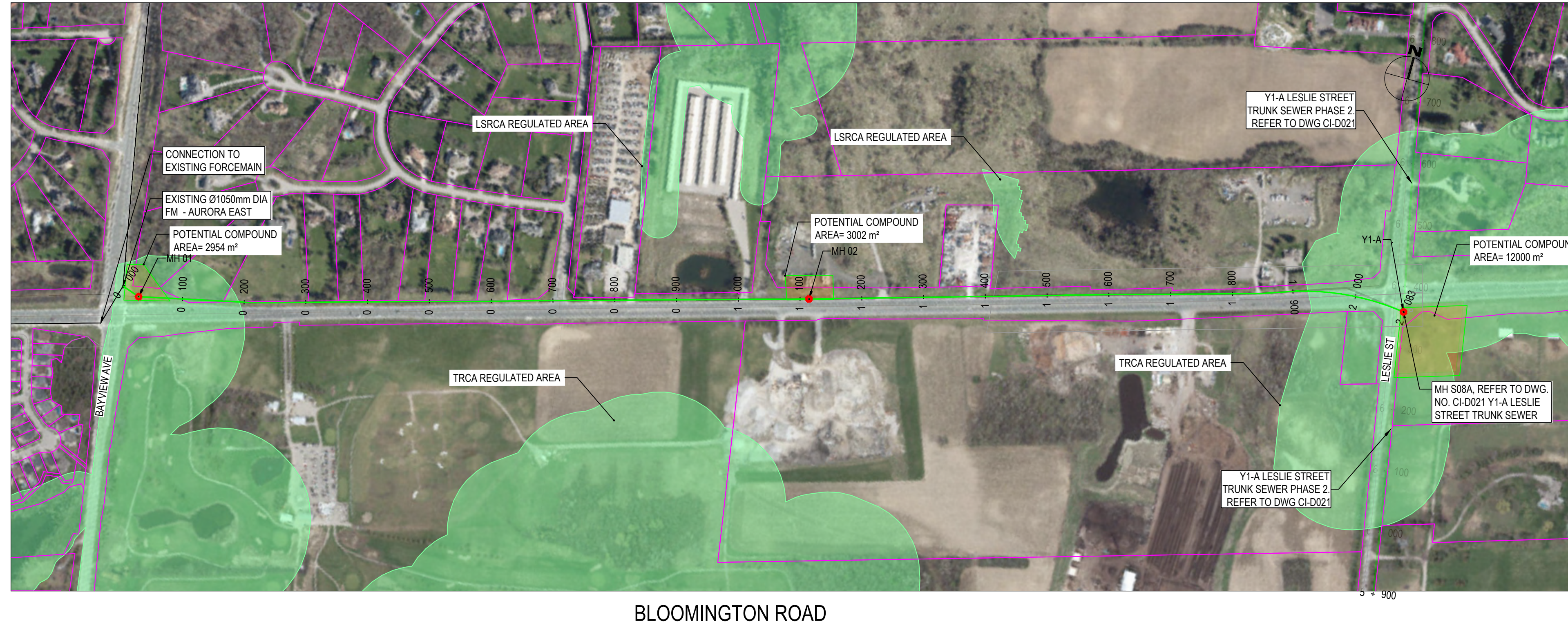
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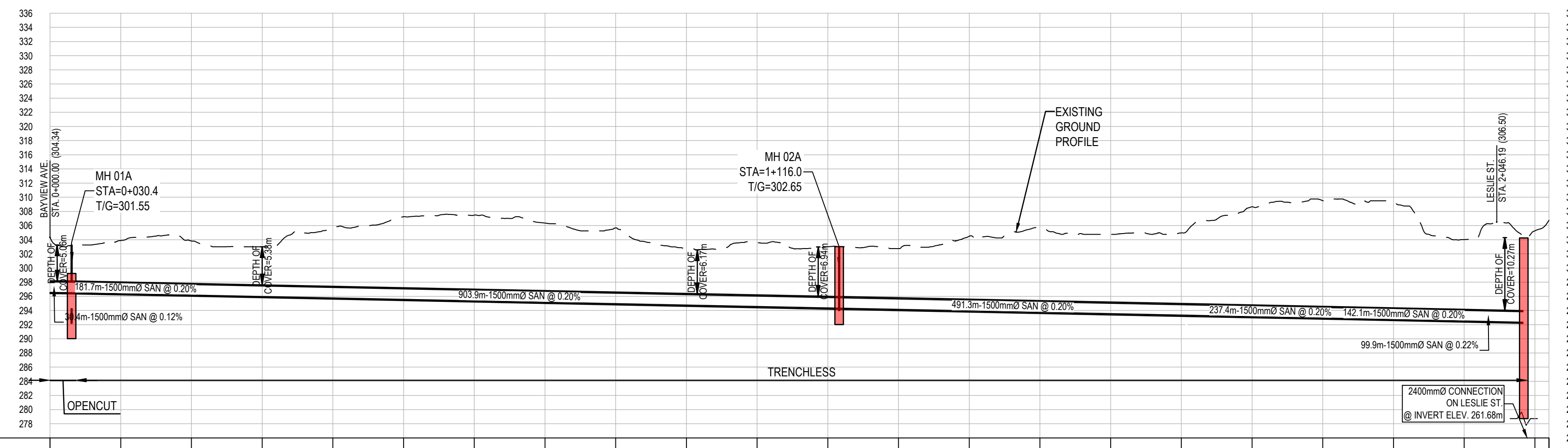
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DATE APR. 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION	SCALE 1:5000
DESIGN H.M.		DWG. NO. CI-D023
DRAWN E.Lee		CONT. NO. 0
CHECKED M.Blouin		SHEET NO. 23
Y1-A LESLIE ST TRUNK SWR PHASES 1&2 PLAN & PROFILE STA. 12+100 TO 14+720		



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



	0+000	0+100	0+200	0+300	0+400	0+500	0+600	0+700	0+800	0+900	1+000	1+100	1+200	1+300	1+400	1+500	1+600	1+700	1+800	1+900	2+000	2+100	
EXISTING GROUND ELEVATIONS	304.84	303.88	303.62	303.69	303.69	303.25	303.47	306.85	306.67	302.85	303.89	302.97	302.75	304.46	305.79	304.79	304.46	303.85	303.82	303.27	304.07	305.56	305.75
INVERT ELEVATIONS	296.55	296.51	296.14	296.15							294.31	294.31					293.32	293.32		292.84	292.84	292.55	292.55

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DATE JUN 2023	YORK REGION SEWAGE WORKS NORTH YDSS EXPANSION  <b>Y14 - BLOOMINGTON INTERCEPTOR SEWER PLAN &amp; PROFILE</b> STA. 0+000 TO 2+108	SCALE 1:5000
DESIGN		DWG. NO. CI-D024
DRAWN E.Lee		CONT. NO. 0
CHECKED G.Procunier		SHEET NO. 24