PUBLIC NOTICE

October 11, 2022

The City of North Tonawanda has filed an application to construct approximately 1.8 miles of off-road bike and pedestrian trail between Mayor's Park and the North Tonawanda Botanical Gardens, which are two waterfront parks with direct access to the Erie Canal. Extending the existing trail originating in the City's downtown will connect another waterfront park to the regional trail system and give a large residential area of the City access to the Erie Canal. In order to determine whether this action may or will not have a significant impact on the environment, the City Engineer will be reviewing the Short Environmental Assessment Form provided by the City of North Tonawanda. The City Engineer will receive written views from the public on the proposed action on or before 4:30 PM, Thursday November 10, 2022. The plans are available for review in the City Engineer's Office, Room 9, second floor of City Hall, 216 Payne Avenue, or online at www.northtonawanda.org

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information

Name of Action or Project:

PIN 5764.74 Erie Canal Bike Path Extension

Project Location (describe, and attach a location map):

Located from Mayor's Park (987 Sweeney St) to NT Botanical Gardens (1825 Sweeney St) in the City of North Tonawanda, Niagara County, NY

Brief Description of Proposed Action:

The project will construct an off-road two-mile bike and pedestrian trail between Mayor's Park and the North Tonawanda Botanical Gardens, which are two waterfront parks with direct access to the Erie Canal. Extending the existing trail originating in the City's downtown will connect another waterfront park to the regional trail system and give a large residential area of the city access to the Erie Canal.

Name of Applicant or Sponsor:	Telephone: (716) 695-8540
Austin Tylec, Mayor, City of North Tonawanda	E-Mail: ATylec@northtonawanda.org

Address:

216 Payne Avenue

City/PO:	State:	Zip Code:
North Tonawanda	NY	14120

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☑	☐
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval: USACE Nationwide Permit 42, NYSDEC NOI, Canal Corp Permit	☐	☑

3. a. Total acreage of the site of the proposed action? 14.40 acres
   b. Total acreage to be physically disturbed? 4.40 acres
   c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 14.40 acres

4. Check all land uses that occur on, are adjoining or near the proposed action:

5. ☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☑ Residential (suburban)
   ☑ Forest ☐ Agriculture ☑ Aquatic ☐ Other(Specify):
   ☑ Parkland

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☑	☐
b. Consistent with the adopted comprehensive plan?	☐	☑	☐

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☑

	NO	YES
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	☑	☐

	NO	YES
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	☑	☐
b. Are public transportation services available at or near the site of the proposed action?	☐	☑
c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	☐	☑

	NO	YES
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ _____	☑	☐

	NO	YES
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ _____	☑	☐

	NO	YES
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ _____	☑	☐

	NO	YES
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places?	☐	☑
b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	☐	☑

	NO	YES
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	☐	☑
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	☐	☑
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ The project will impact 400 sq. feet of the banks of a Tributary to the Erie Canal (837-19). _____ _____		

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:

☐ Shoreline ☑ Forest ☐ Agricultural/grasslands ☐ Early mid-successional

☑ Wetland ☐ Urban ☑ Suburban

	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	☑	☐
16. Is the project site located in the 100-year flood plan?	☐	☑
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☐	☑
If Yes,		
a. Will storm water discharges flow to adjacent properties?	☑	☐
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?	☐	☑
If Yes, briefly describe: Storm Water runoff from the new trail will be collected in established conveyance systems.		
18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)? If Yes, explain the purpose and size of the impoundment:	☑	☐
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe:	☑	☐
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: Underground Storage Tank-WARDELL'S MARINA - Facility ID NY265257- Completed	☐	☑

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

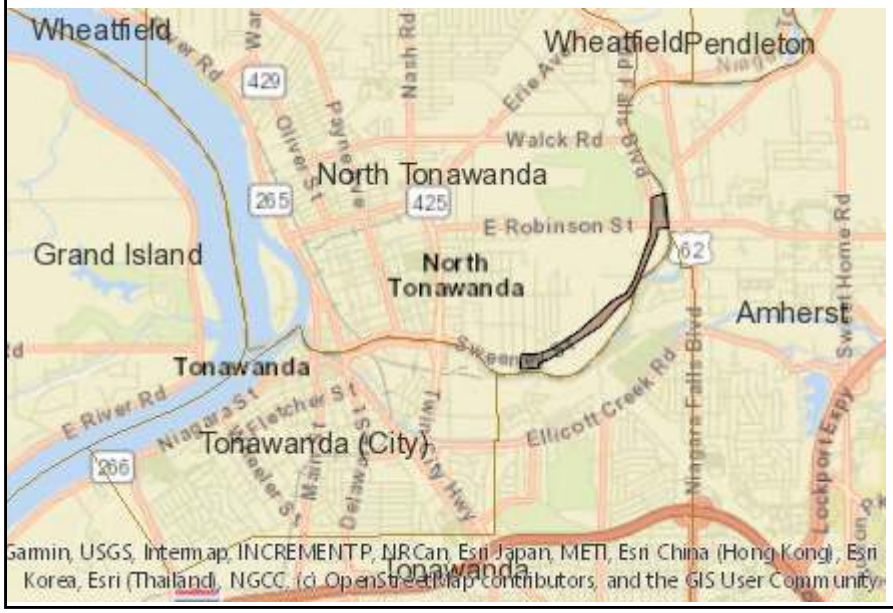
Applicant/sponsor/name: Austin Tylec, City of North Tonawanda Date: _____

Signature: _____ Title: Mayor

PRINT FORM

EAF Mapper Summary Report

Friday, September 23, 2022 12:36 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	Yes
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	Yes
Part 1 / Question 20 [Remediation Site]	Yes

POB
HCL STA T 10+00
N: 1100548.16
E: 1077507.14

HORIZONTAL CURVE NO. T1	
D= 114°35'30" I= 15°00'00" RT R= 50.00' L= 13.09' T= 6.58' E= 0.43'	PC STA T 10+63.94 N: 1100612.11 E: 1077507.14
	PI STA T 10+70.53 N: 1100618.69 E: 1077507.14
	PT STA T 10+77.03 N: 1100625.05 E: 1077508.85

HORIZONTAL CURVE NO. T2	
D= 143°14'22" I= 15°00'00" LT R= 40.00' L= 10.47' T= 5.27' E= 0.35'	PC STA T 11+22.62 N: 1100669.08 E: 1077520.65
	PI STA T 11+27.89 N: 1100674.17 E: 1077522.09
	PT STA T 11+33.10 N: 1100679.44 E: 1077522.09

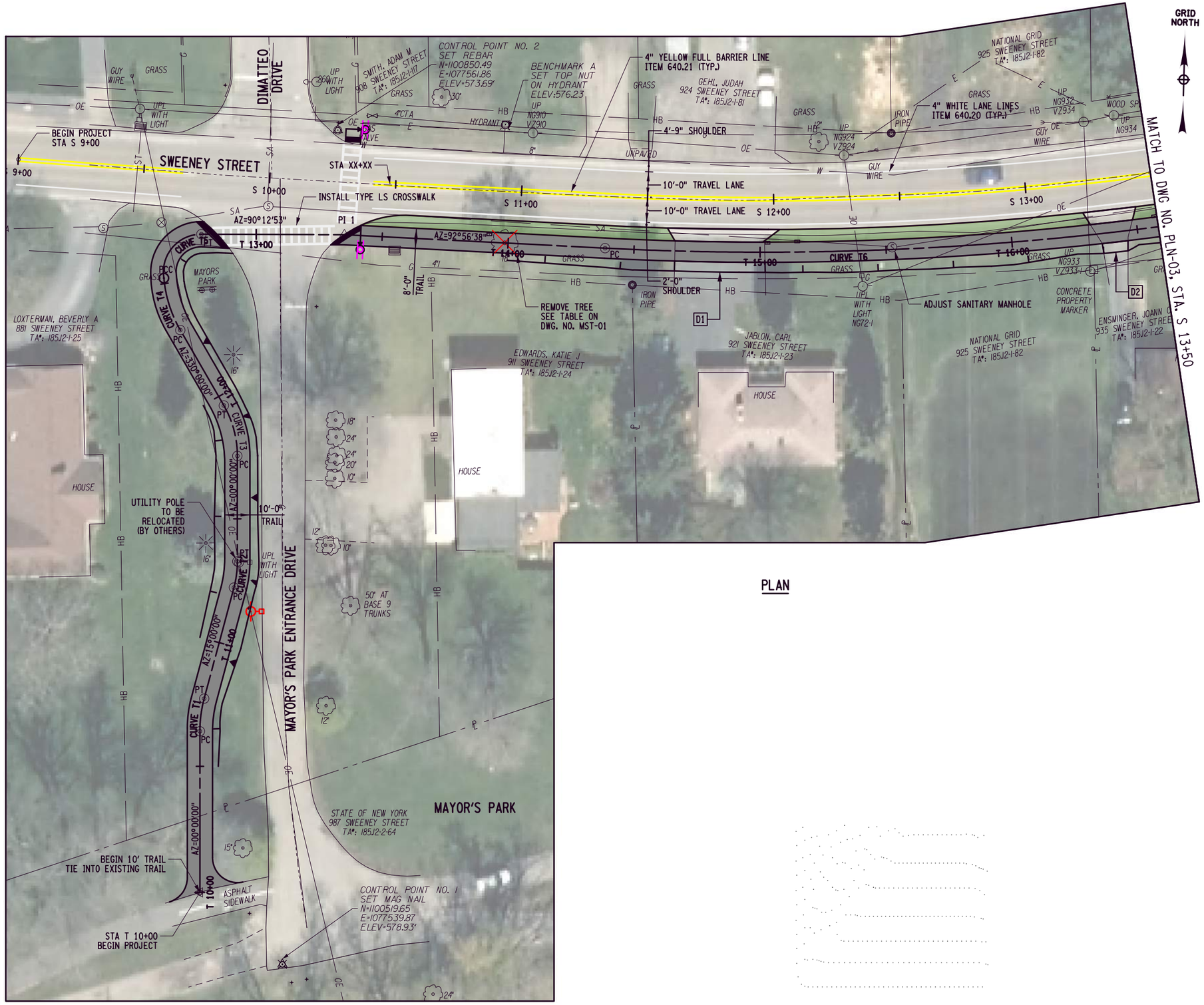
HORIZONTAL CURVE NO. T3	
D= 143°14'22" I= 30°00'00" LT R= 40.00' L= 20.94' T= 10.72' E= 1.41'	PC STA T 11+74.94 N: 1100721.28 E: 1077522.09
	PI STA T 11+85.66 N: 1100732.00 E: 1077522.00
	PT STA T 11+95.89 N: 1100741.28 E: 1077516.65

HORIZONTAL CURVE NO. T4	
D= 114°35'30" I= 24°58'13" RT R= 50.00' L= 21.79' T= 11.07' E= 1.21'	PC STA T 12+30.44 N: 1100771.20 E: 1077499.38
	PI STA T 12+41.51 N: 1100780.79 E: 1077493.84
	PCC STA T 12+52.23 N: 1100791.82 E: 1077492.87

HORIZONTAL CURVE NO. T5	
D= 381°58'19" I= 99°24'16" RT R= 15.00' L= 26.02' T= 17.69' E= 8.19'	PCC STA T 12+52.23 N: 1100791.82 E: 1077492.87
	PI STA T 12+69.92 N: 1100809.28 E: 177490.04
	PT STA T 12+78.25 N: 1100809.22 E: 1077507.73

PI 1
HCL STA T 13+34.96
N: 1100809.00
E: 1077564.44

HORIZONTAL CURVE NO. T6	
D= 4°41'33" I= 11°30'53" LT R= 1221.00' L= 245.39' T= 123.11' E= 6.19'	PC STA T 14+38.51 N: 1100803.69 E: 1077667.85
	PI STA T 15+61.62 N: 1100797.36 E: 1077790.80
	PT STA T 16+83.89 N: 1100815.71 E: 1077912.53



PLAN

20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

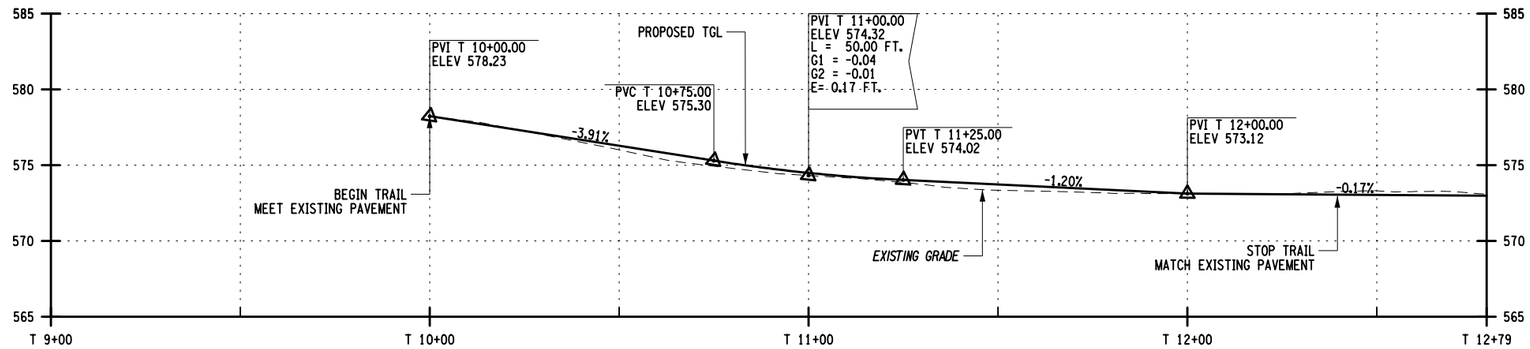
GENERAL PLAN

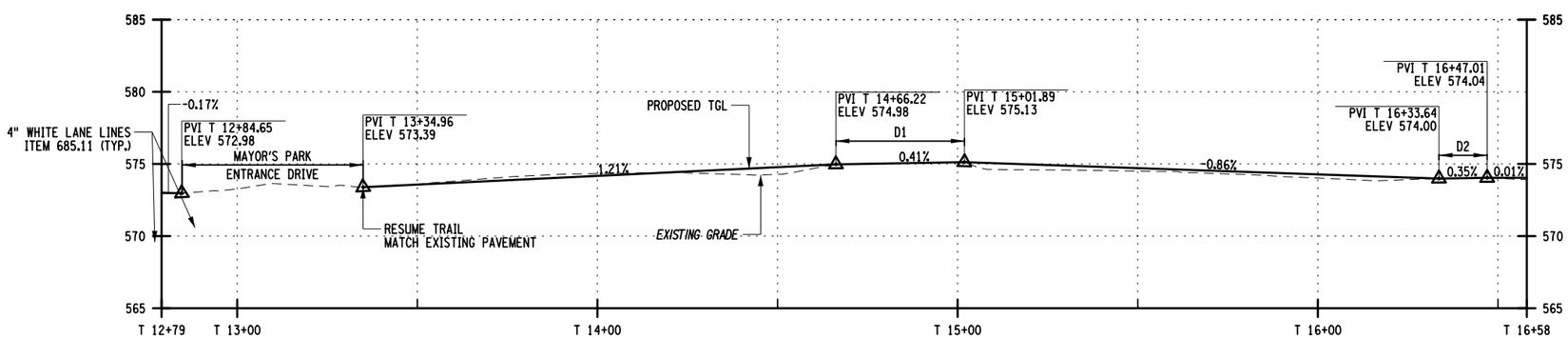
PLN-01

SHEET XX OF XX

S.Sweeney
10/3/2022
\\cscos.com\cs\file-Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-01.dgn
343206 PM

Copyright ©





NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

GRID NORTH

C&S COMPANIES®

C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PIN 5764.74

PROJECT NO. 2020-04

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-02

SHEET XX OF XX

SSweeney 10/3/2022 3:43:07 PM \\cscos.com\cs\file\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-02.dgn

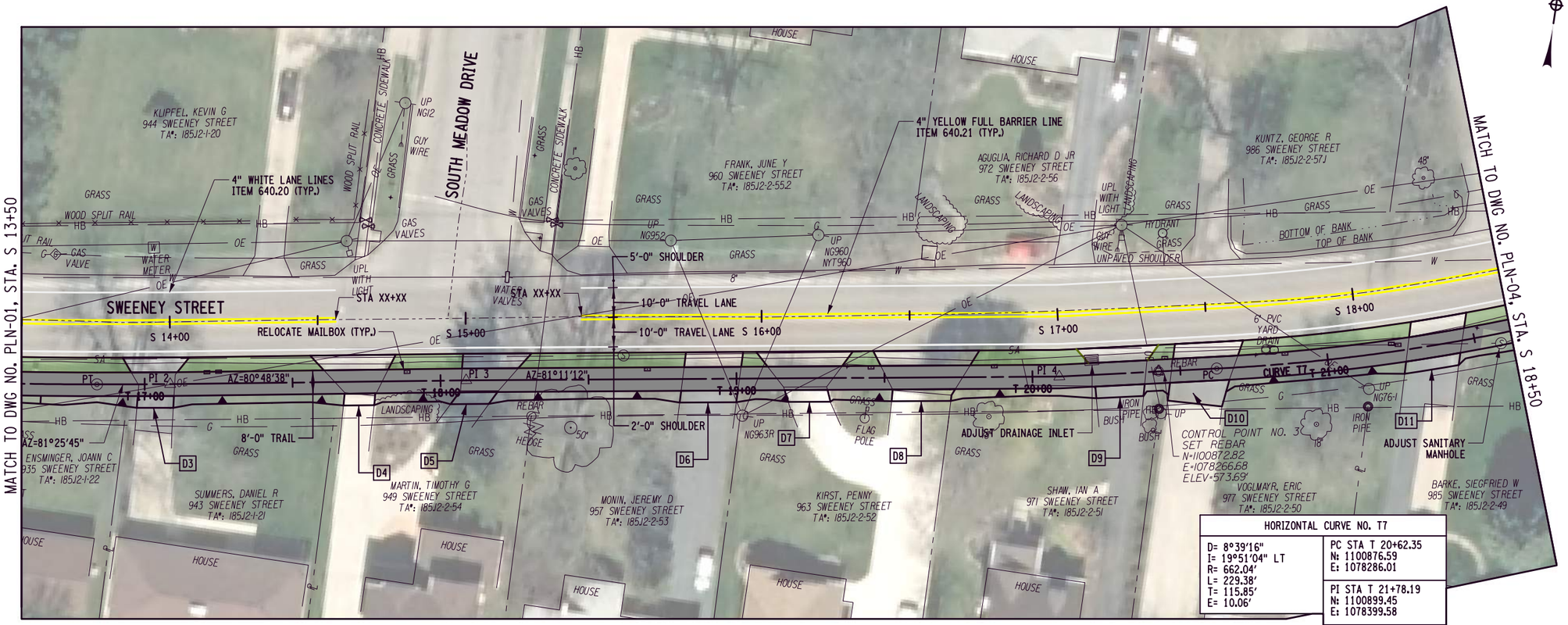
Copyright ©

PI 2
HCL STA T 17+08.62
N: 1100819.40
E: 1077936.98

PI 3
HCL STA T 18+08.67
N: 1100835.37
E: 1078035.75

PI 4
HCL STA T 20+09.07
N: 1100866.08
E: 1078233.78

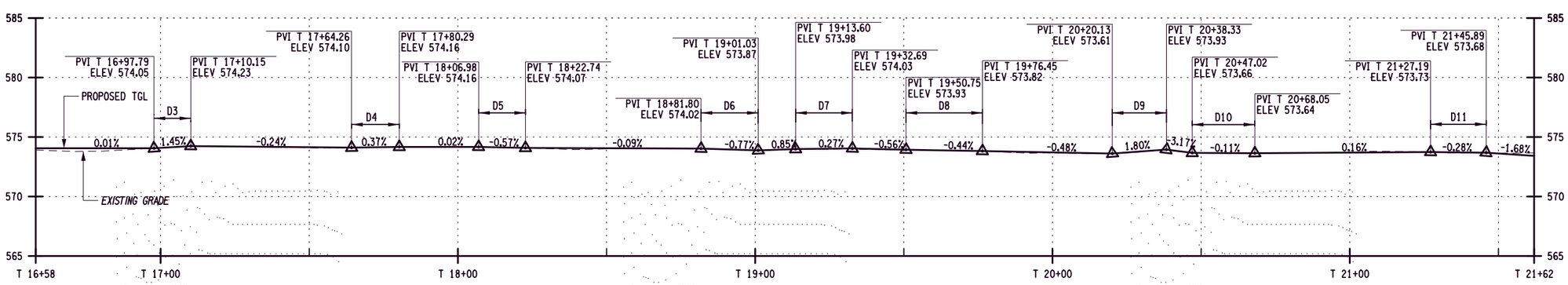
GRID NORTH



HORIZONTAL CURVE NO. T7	
D= 8°39'16" I= 19°51'04" LT R= 662.04' L= 229.38' T= 115.85' E= 10.06'	PC STA T 20+62.35 N: 1100876.59 E: 1078286.01
	PI STA T 21+78.19 N: 1100899.45 E: 1078399.58
	PT STA T 22+91.72 N: 1100959.51 E: 1078498.64

PERMANENT PAVEMENT REMOVAL,
SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW.

GENERAL PLAN

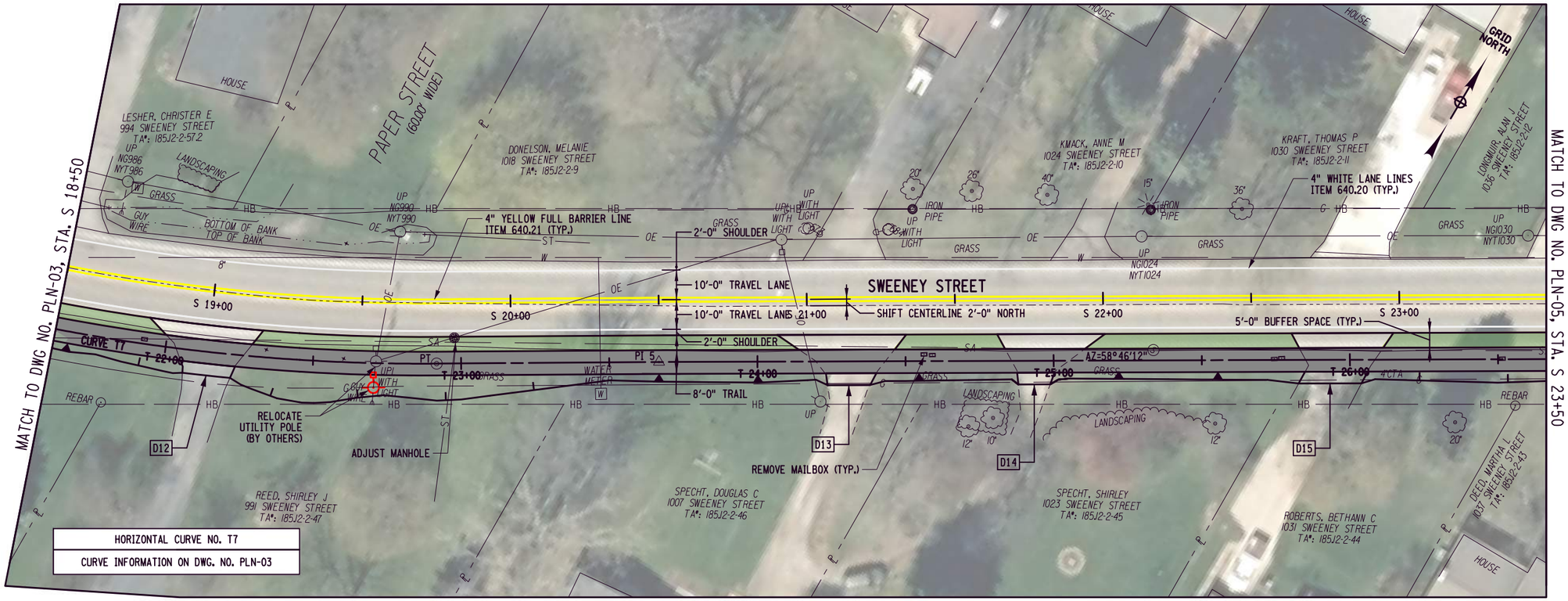
PLN-03

SHEET XX OF XX

SSweeney
10/3/2022
\\cscos.com\cs\file\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-03.dgn
3:43:08 PM

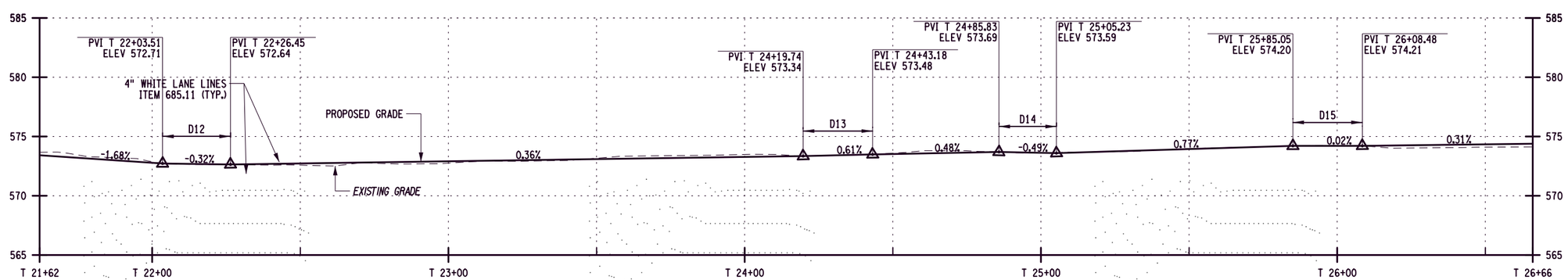
Copyright ©

PI 5
HCL STA T 23+66.77
N: 1100998.42
E: 1078562.82



PERMANENT PAVEMENT REMOVAL,
SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO: 823.005.001
DATE: SEPTEMBER 2022
DRAWN BY: S. SWEENEY
DESIGNED BY: D. BORCZ
CHECKED BY: S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

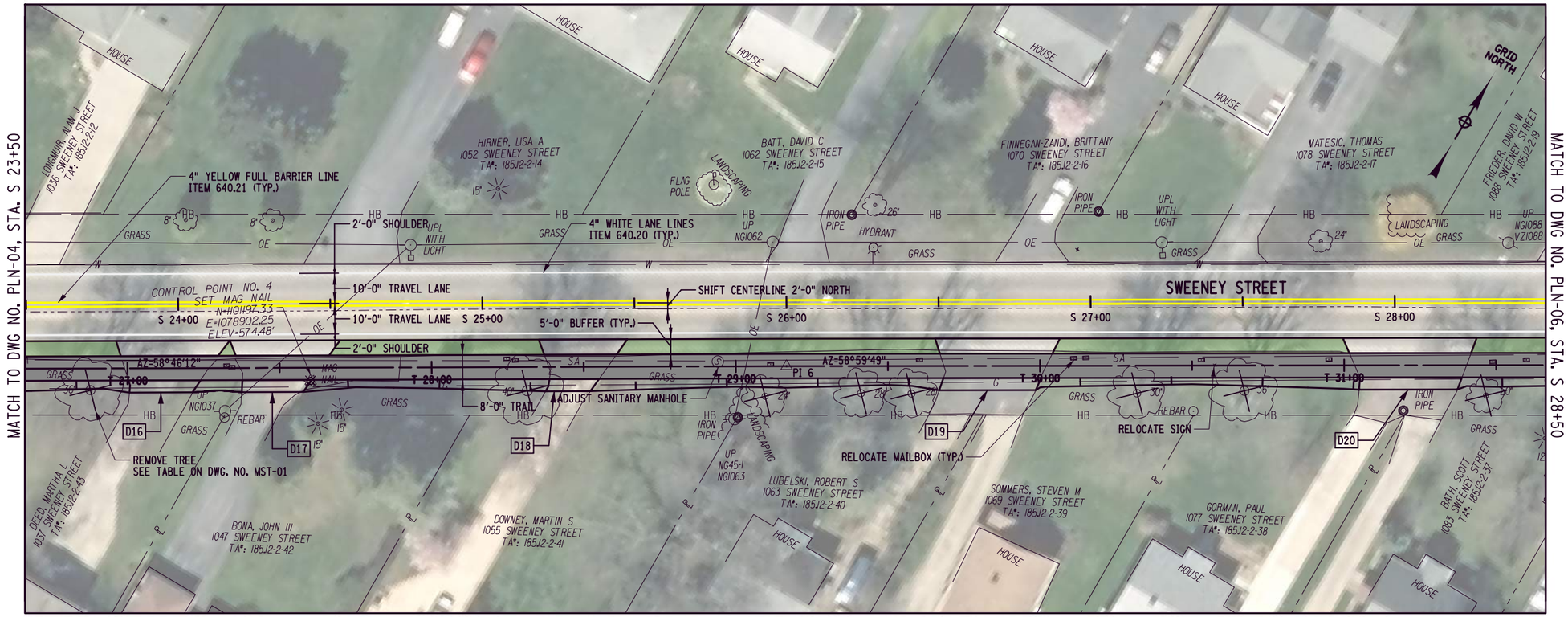
PLN-04

SHEET XX OF XX

SSweeney 10/3/2022 3:43:10 PM \\cscos.com\csfile\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-04.dgn

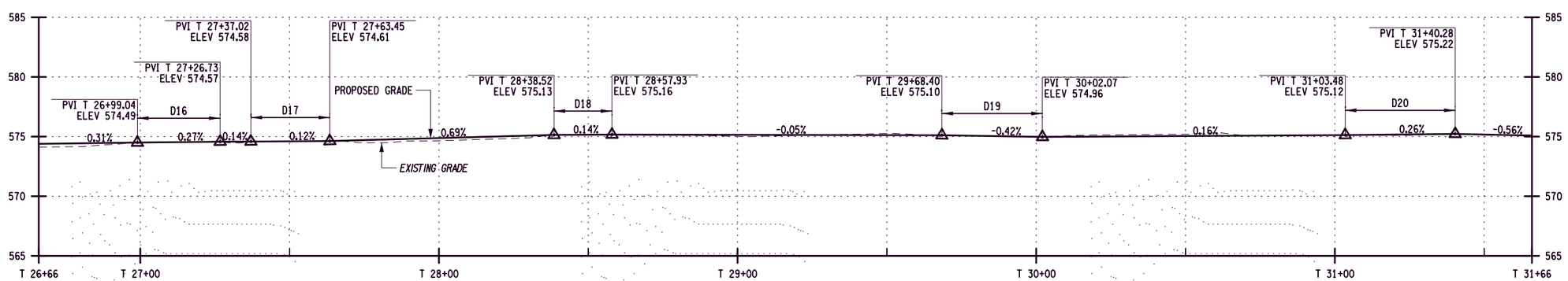
Copyright ©

PI 6
HCL STA T 29+16.71
N: 1101281.69
E: 1079034.19



PLAN

PERMANENT PAVEMENT REMOVAL,
SEE DETAIL ON DWG. NO. MSD-01



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-05

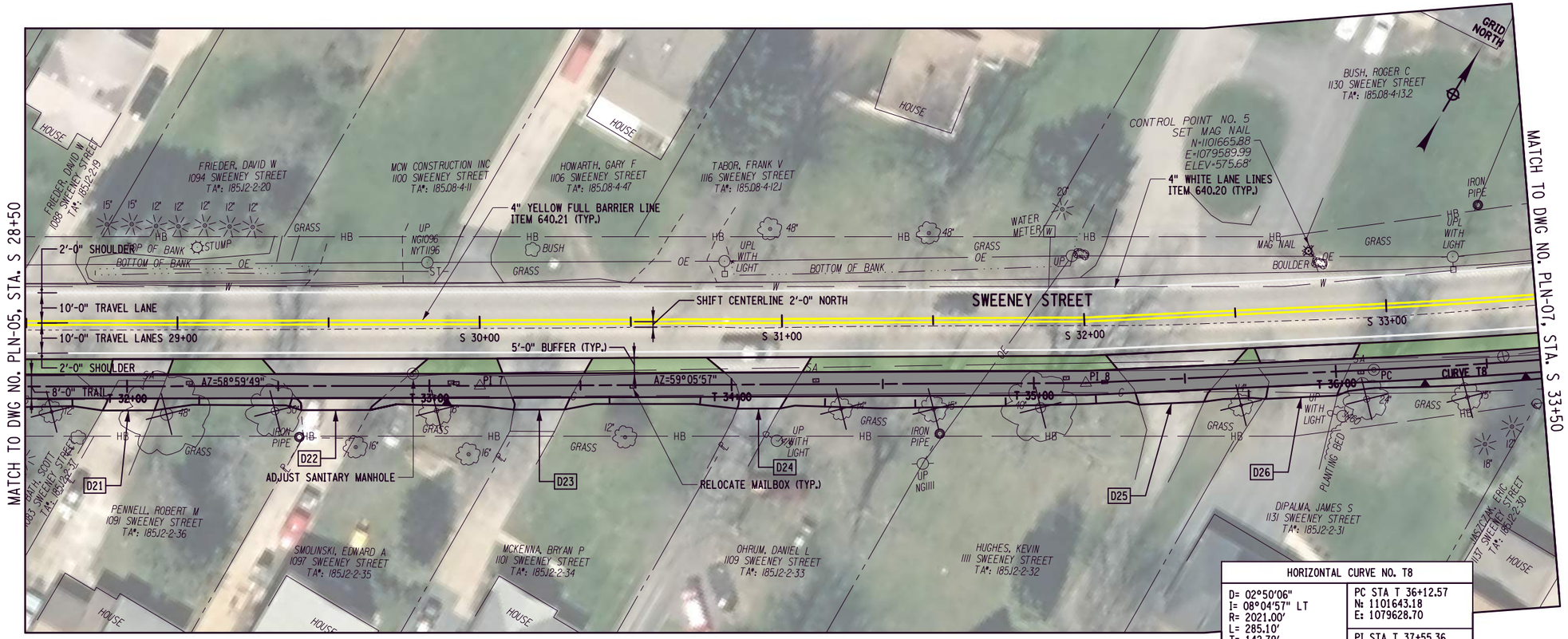
SHEET XX OF XX

S.Sweeney
10/3/2022
3:43:12 PM
\\cscos.com\cscfile\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN05.dgn

Copyright ©

PI 7
HCL STA T 33+16.73
N: 1101487.12
E: 1079377.43

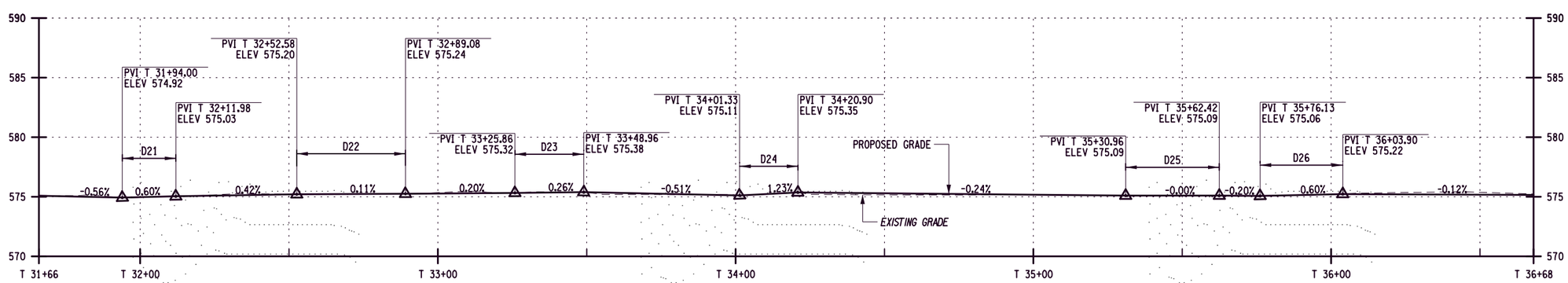
PI 8
HCL STA T 35+17.20
N: 1101590.61
E: 1079549.12



HORIZONTAL CURVE NO. T8	
D= 02°50'06" I= 08°04'57" LT R= 2021.00' L= 285.10' T= 142.79' E= 5.04'	PC STA T 36+12.57 N: 1101643.18 E: 1079628.70
	PI STA T 37+55.36 N: 1101721.89 E: 1079747.83
	PT STA T 38+97.67 N: 1101816.56 E: 1079854.71

PERMANENT PAVEMENT REMOVAL, SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

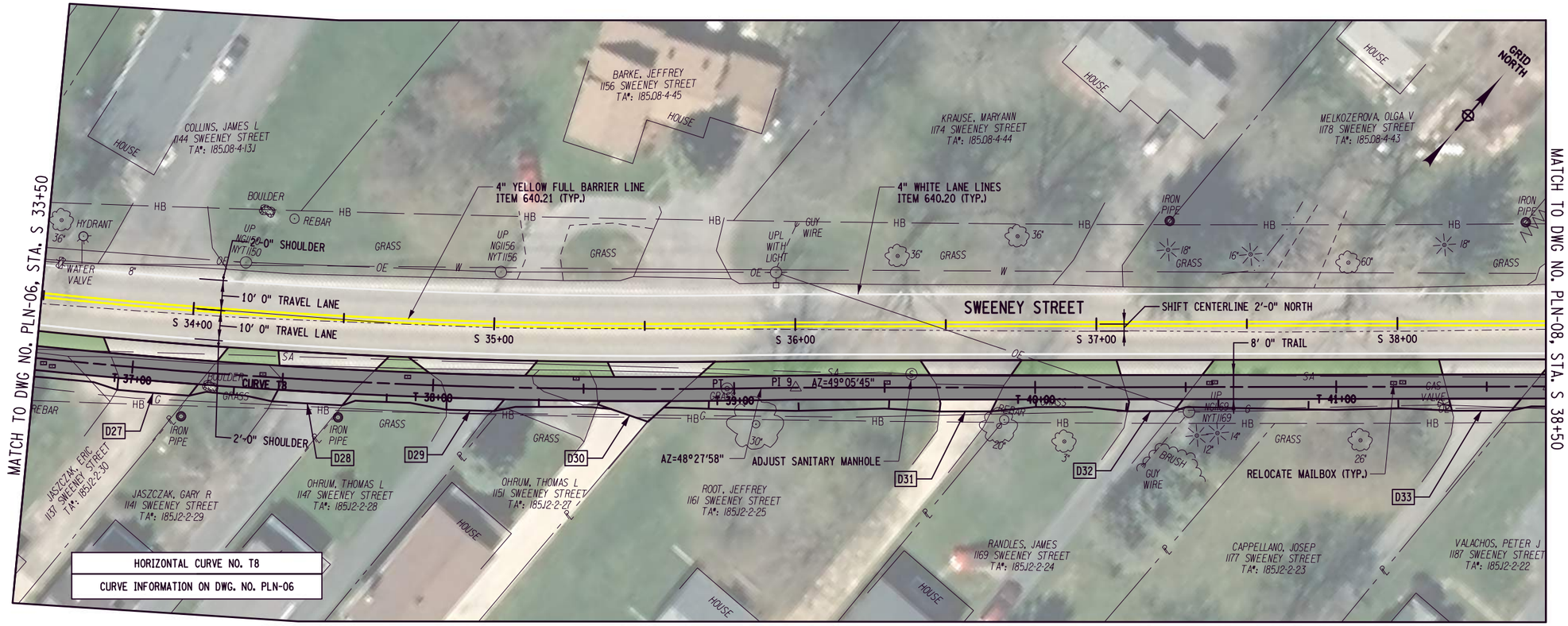
PLN-06

SHEET XX OF XX

SSweeney
10/3/2022
\\cscos.com\cs\file\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-06.dgn
3:43:13 PM

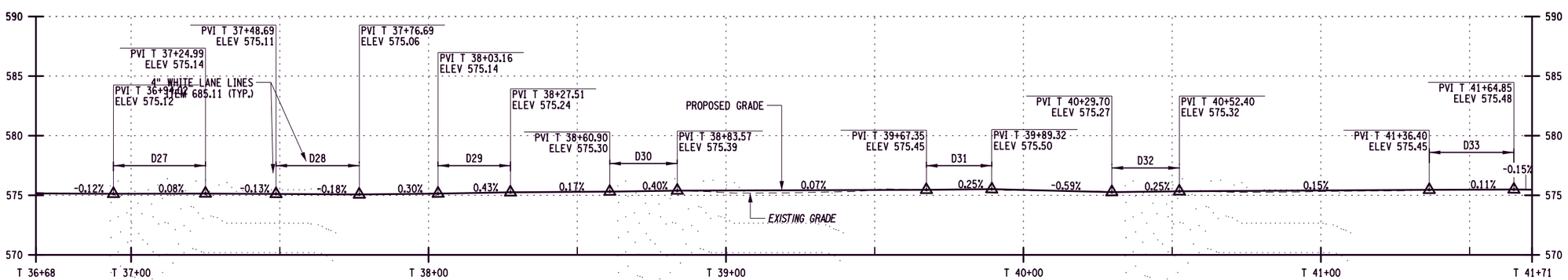
Copyright ©

PI 9
HCL STA T 39+20.48
N: 1101831.69
E: 1079871.79



PERMANENT PAVEMENT REMOVAL,
SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-07

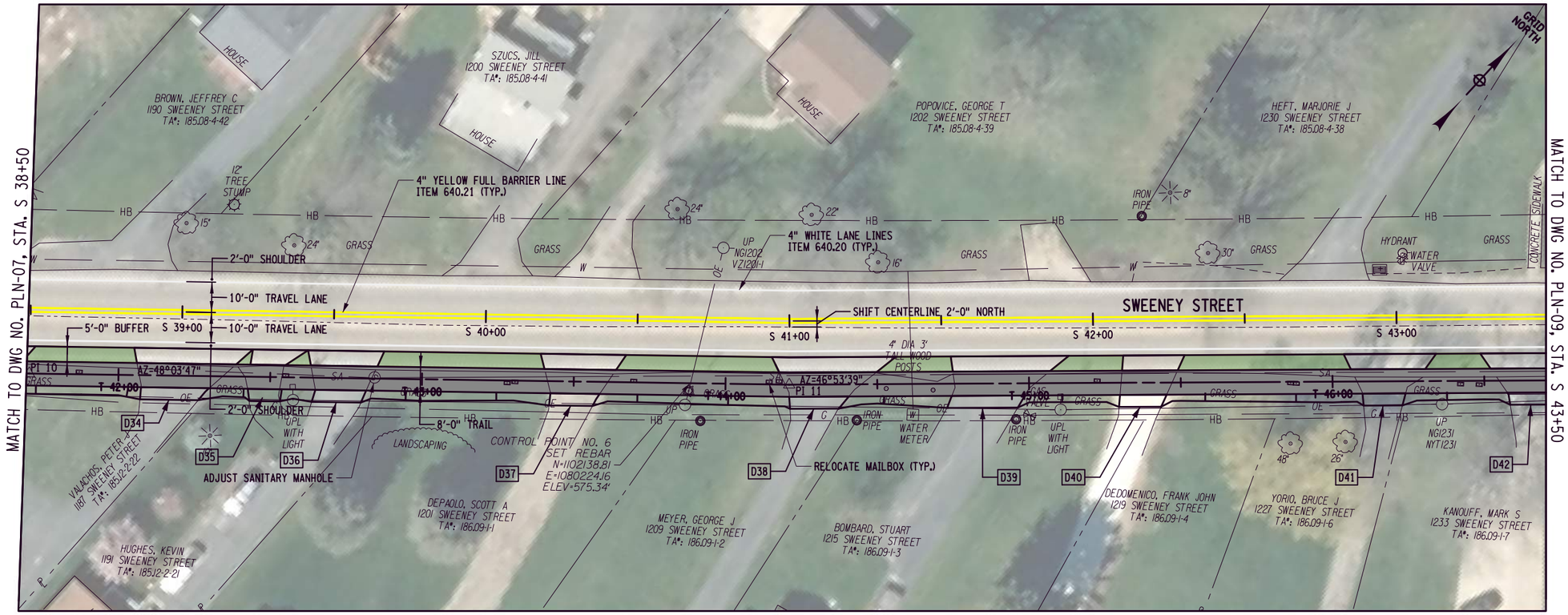
SHEET XX OF XX

S.Sweeney
10/3/2022
3:43:16 PM
\\cscos.com\cs\File\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-07.dgn

Copyright ©

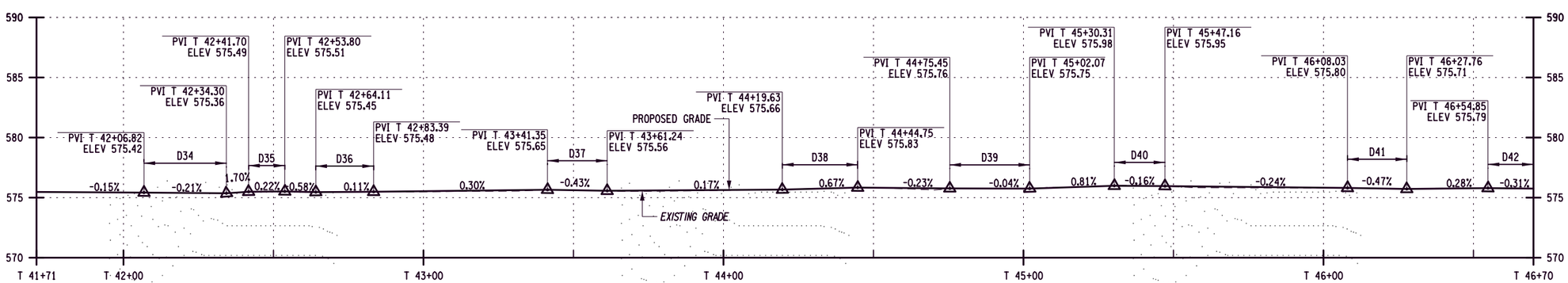
PI 10
HCL STA T 41+70.55
N: 1101995.43
E: 1080060.79

PI 11
HCL STA T 44+20.96
N: 1102162.78
E: 1080247.06



PERMANENT PAVEMENT REMOVAL, SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW.

GENERAL PLAN

PLN-08

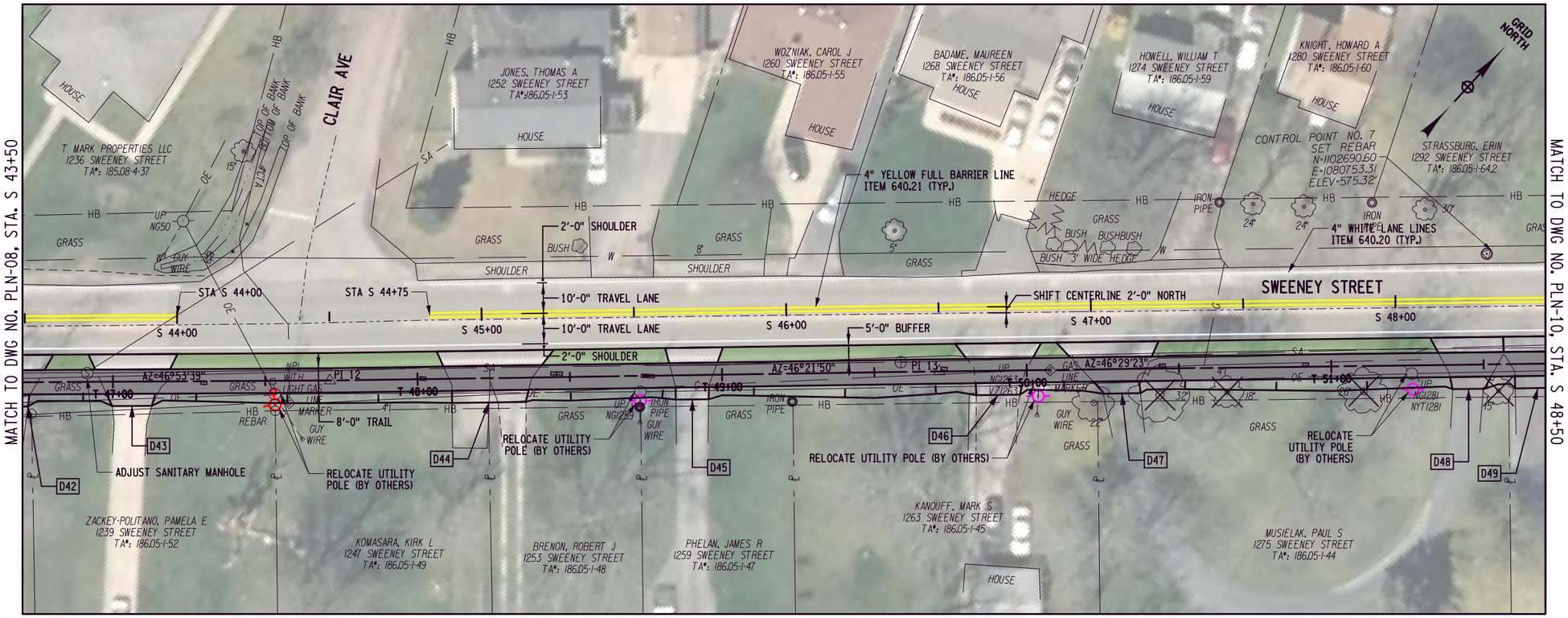
SHEET XX OF XX

SSweeney
10/3/2022
3:43:19 PM
\\cscos.com\cs\file\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-08.dgn

Copyright ©

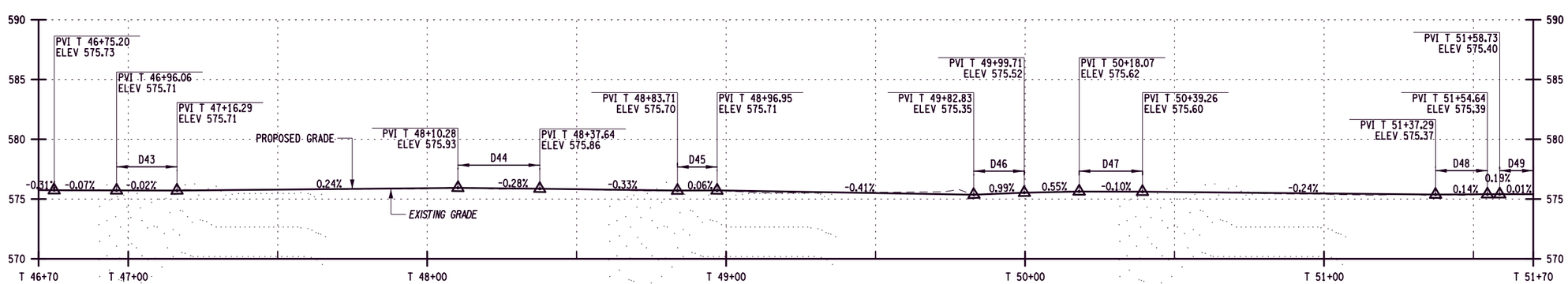
PI 12
HCL STA T 47+71.27
N: 1102402.17
E: 1080502.82

PI 13
HCL STA T 49+71.34
N: 1102540.23
E: 1080647.63



PERMANENT PAVEMENT REMOVAL, SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-09

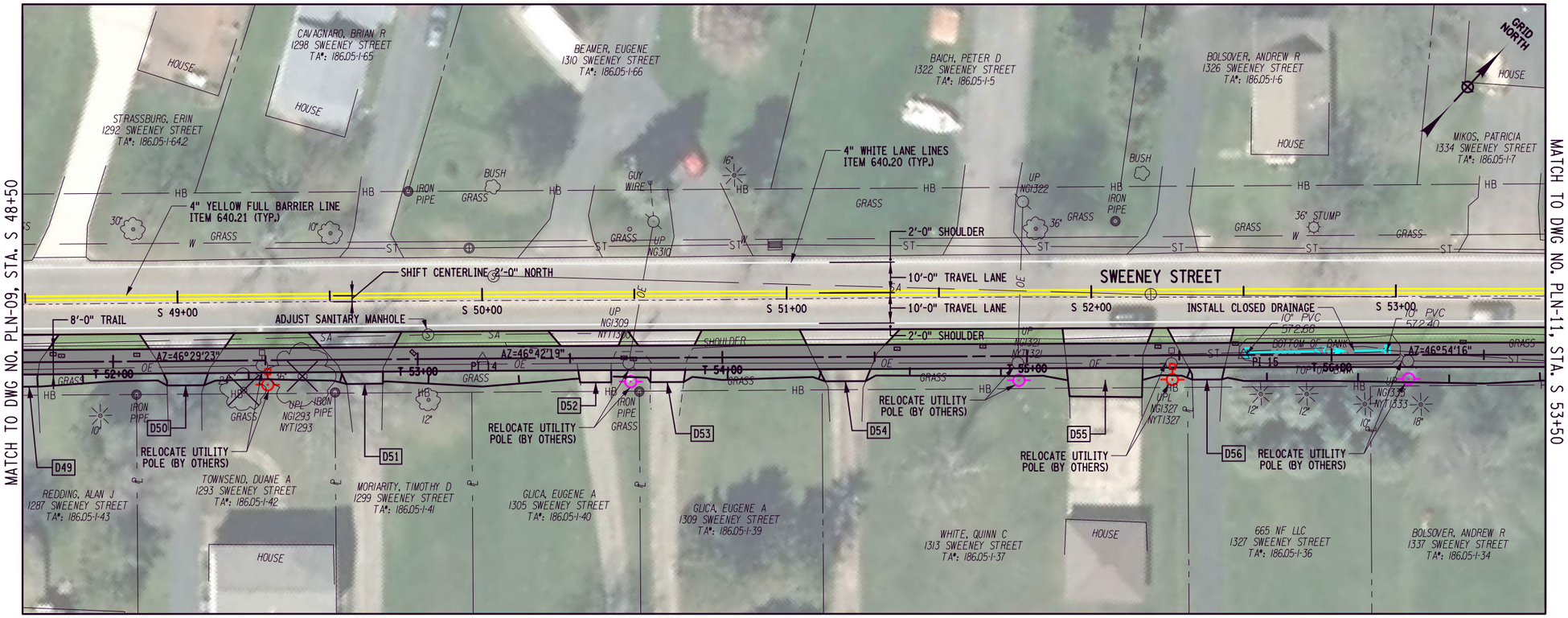
SHEET XX OF XX

S.Sweeney
10/3/2022
\\cscos.com\cs\file\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-09.dgn
34x21 PM

Copyright ©

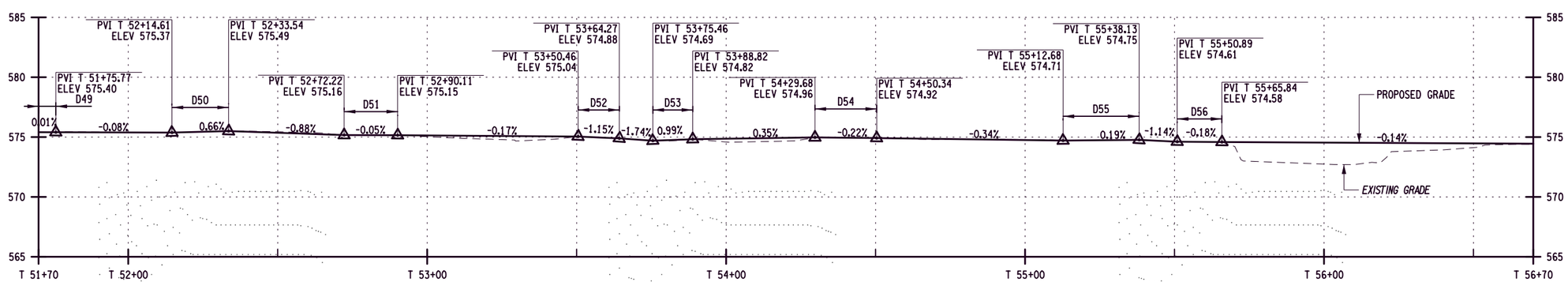
PI 14
HCL STA T 53+21.28
N: 1102781.16
E: 1080901.42

PI 15
HCL STA T 55+71.20
N: 1102952.55
E: 1081083.32



PERMANENT PAVEMENT REMOVAL, SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®

C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO: 823.005.001
DATE: SEPTEMBER 2022
DRAWN BY: S. SWEENEY
DESIGNED BY: D. BORCZ
CHECKED BY: S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-10

SHEET XX OF XX

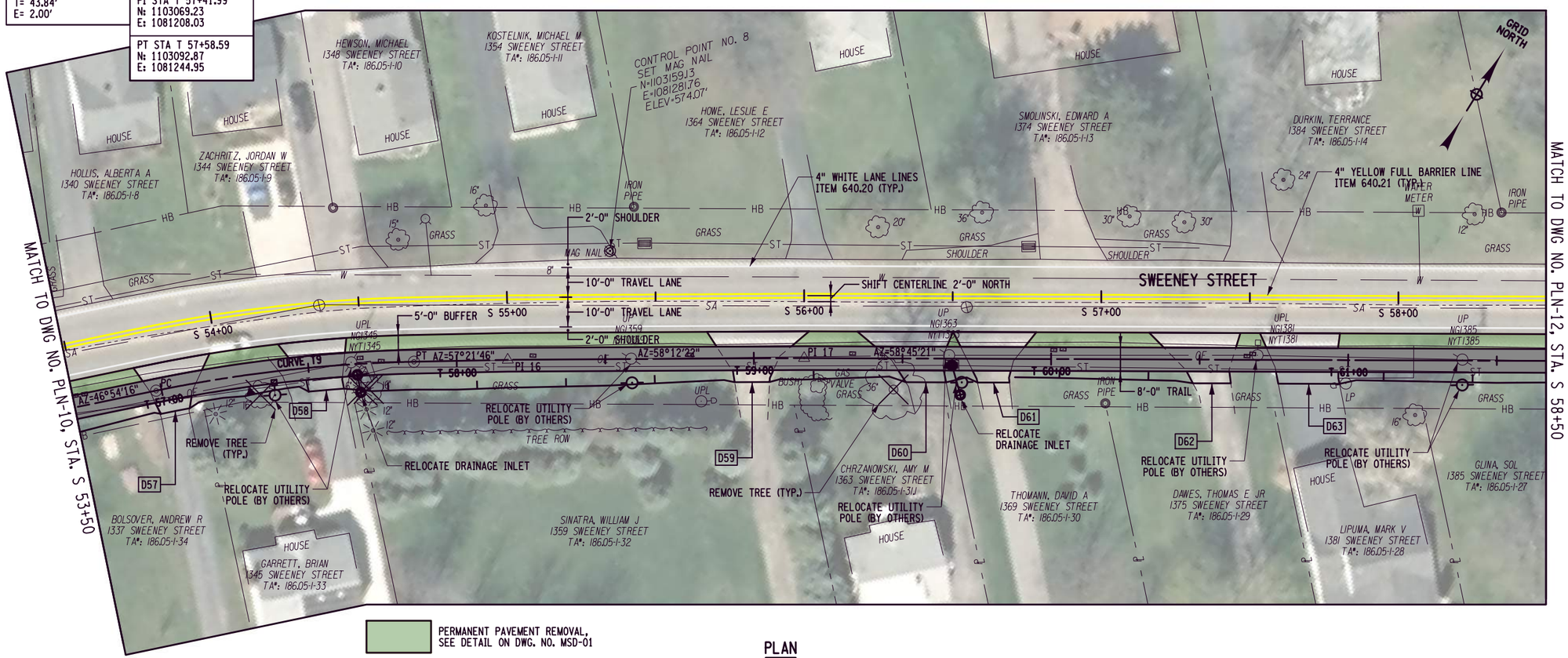
SSweeney 10/3/2022 3:43:24 PM \\cscos.com\csfile\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-10.dgn

Copyright ©

HORIZONTAL CURVE NO. T9	
D= 11°57'42" I= 10°27'30" RT R= 479.00' L= 87.83' T= 43.84' E= 2.00'	PC STA T 56+98.15 N: 1103039.28 E: 1081176.02 PI STA T 57+41.99 N: 1103069.23 E: 1081208.03 PT STA T 57+58.59 N: 1103092.87 E: 1081244.95

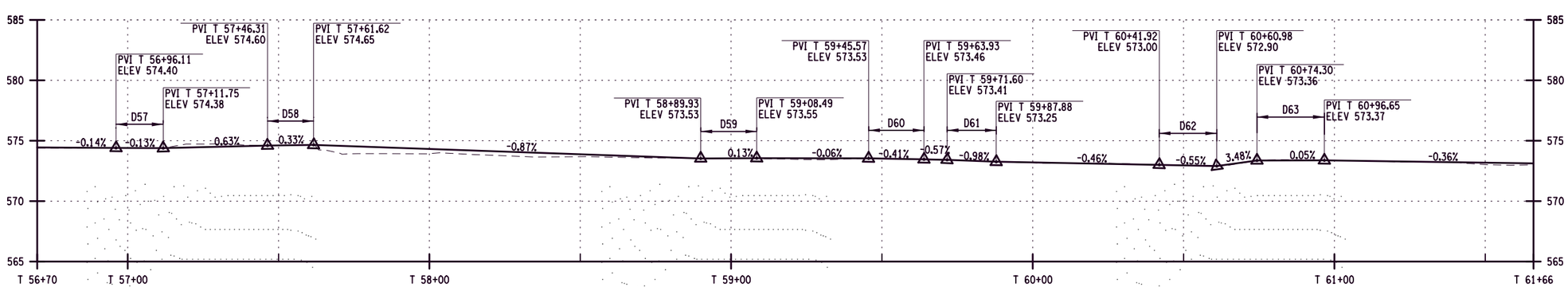
PI 16
HCL STA T 58+17.18
N: 1103109.91
E: 1081271.55

PI 17
HCL STA T 59+16.92
N: 1103162.46
E: 1081356.33



PERMANENT PAVEMENT REMOVAL, SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

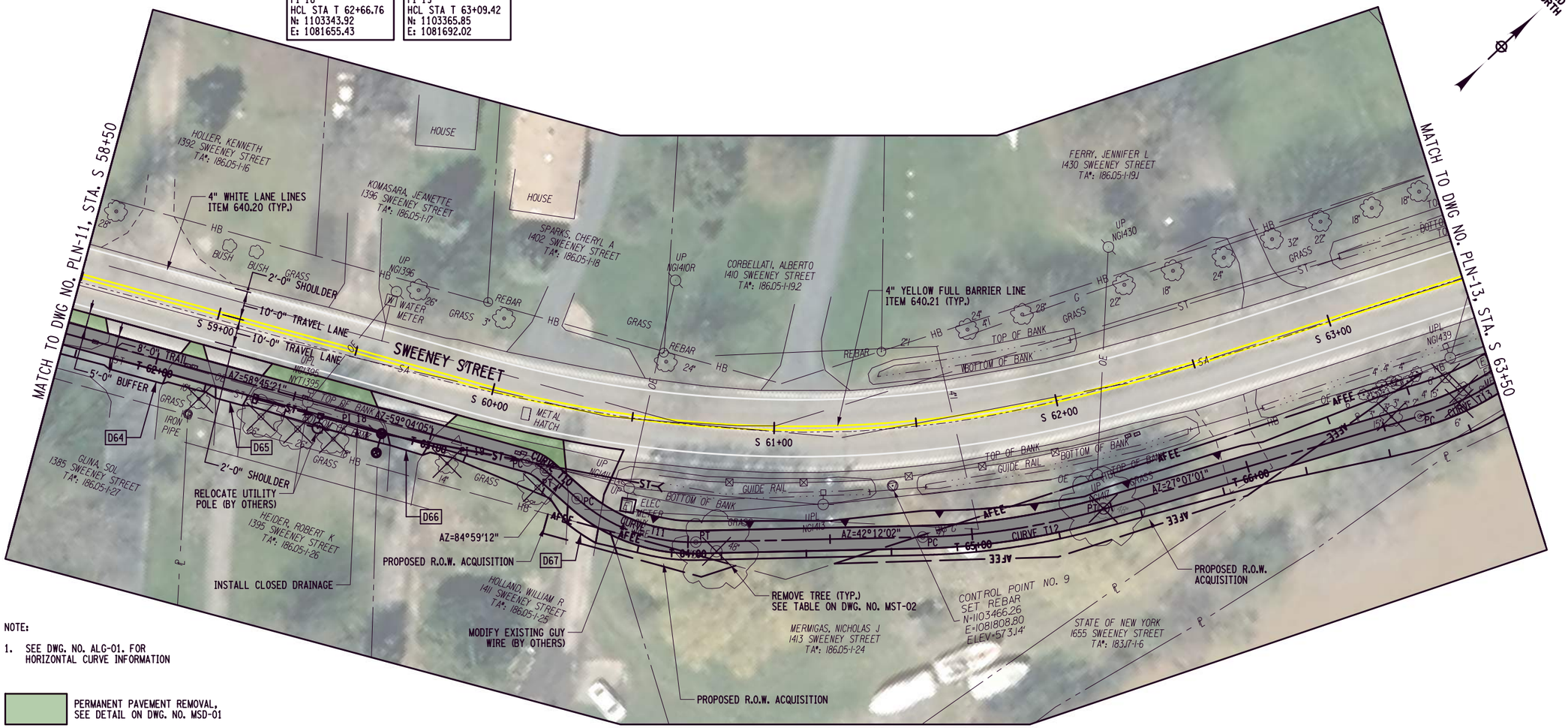
PLN-11

SHEET XX OF XX

S.Sweeney
10/3/2022
\\cscos.com\cs\file\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-11.dgn
3:43:27 PM

Copyright ©

PI 18	PI 19
HCL STA T 62+66.76	HCL STA T 63+09.42
N: 1103343.92	N: 1103365.85
E: 1081655.43	E: 1081692.02

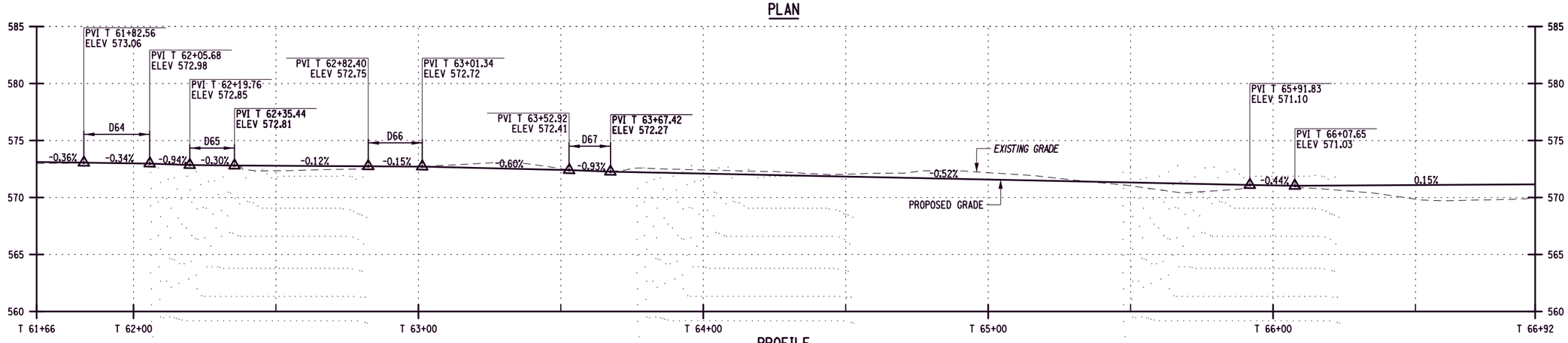


NOTE:

1. SEE DWG. NO. ALG-01. FOR HORIZONTAL CURVE INFORMATION

PERMANENT PAVEMENT REMOVAL, SEE DETAIL ON DWG. NO. MSD-01

PLAN



PROFILE

NOTE:

1. D: MATCH EXISTING DRIVEWAY

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®

C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-12

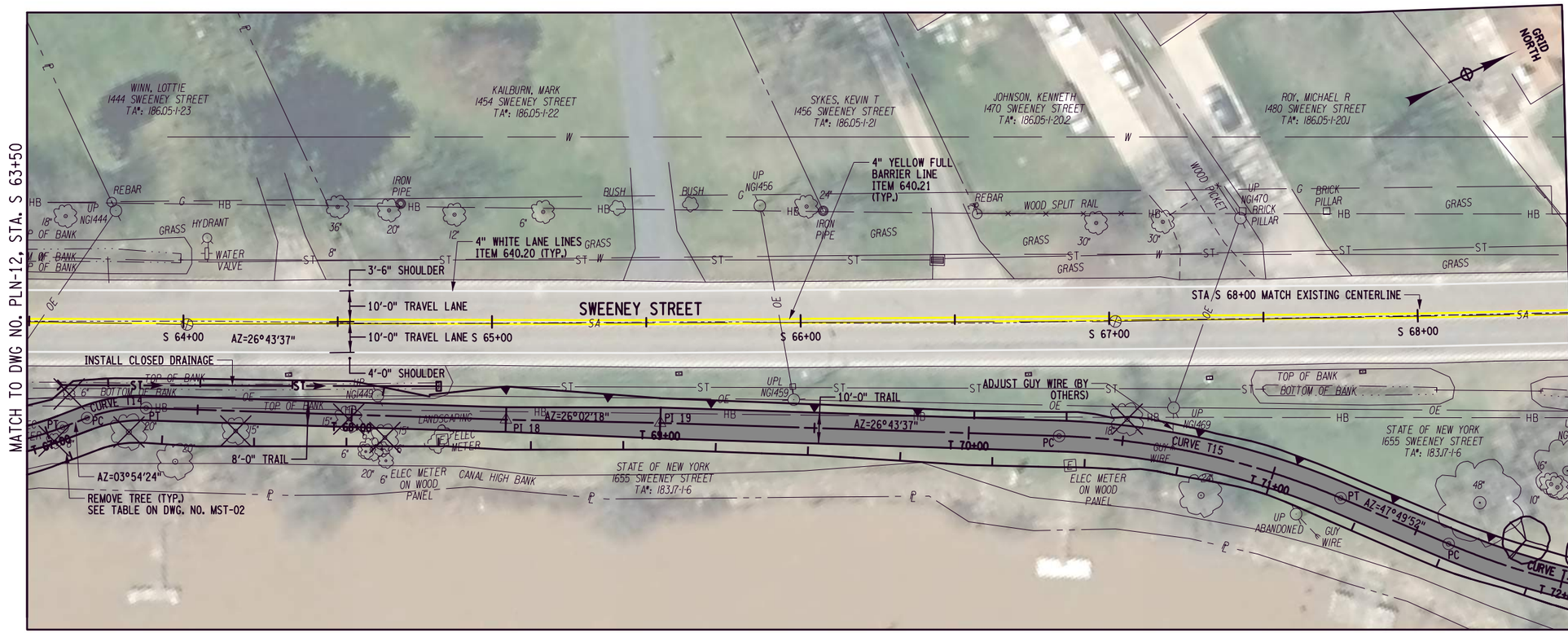
SHEET XX OF XX

Copyright ©

SSweeney
10/3/2022
3:43:29 PM
\\cscos.com\cs\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-12.dgn

PI 18
HCL STA T 68+50
N: 1103789.44
E: 108198.88

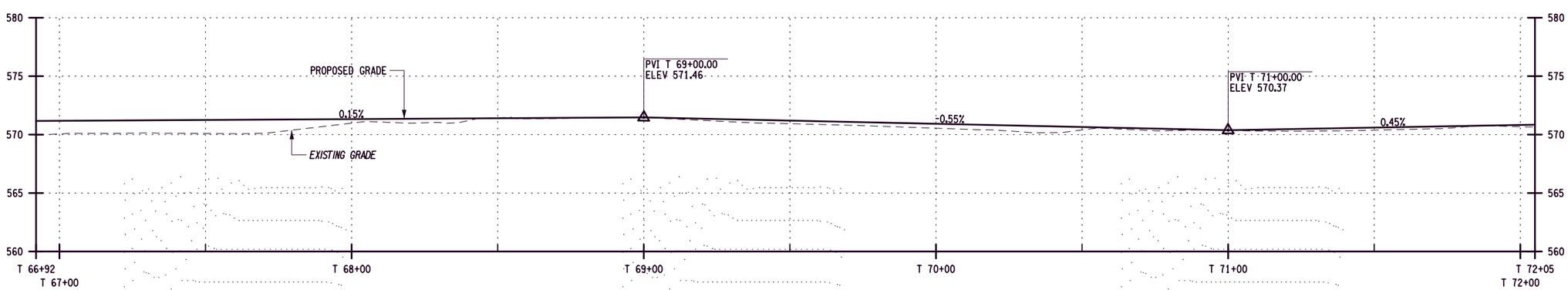
PI 19
HCL STA T 69+00
N: 1103834.36
E: 1082009.98



NOTE:

1. SEE DWG. NO. ALG-01. FOR HORIZONTAL CURVE INFORMATION

PLAN



PROFILE

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO: 823.005.001
DATE: SEPTEMBER 2022
DRAWN BY: S. SWEENEY
DESIGNED BY: D. BORCZ
CHECKED BY: S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

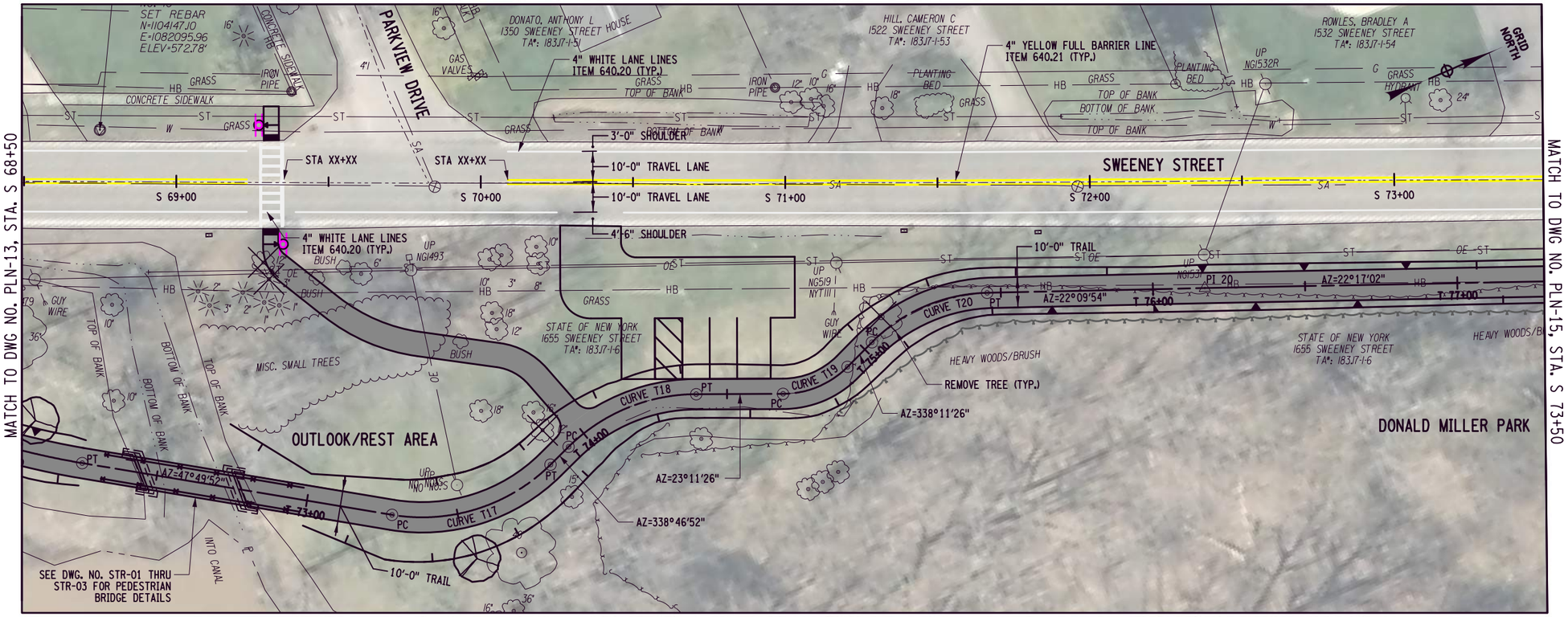
PLN-13

SHEET XX OF XX

SSweeney 10/3/2022 3:43:31 PM \\cscos.com\csfile\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-13.dgn

Copyright ©

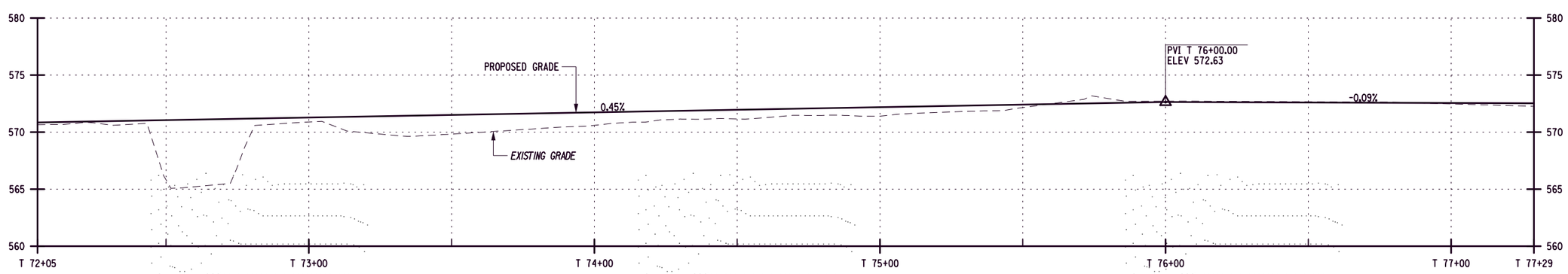
PI 20
HCL STA T 76+17.03
N: 1104459.45
E: 1082287.89



NOTE:

1. SEE DWG. NO. ALG-01. FOR HORIZONTAL CURVE INFORMATION

PLAN



PROFILE

VERTICAL 5 0 5 10

HORIZONTAL 20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW.

GENERAL PLAN

PLN-14

SHEET XX OF XX

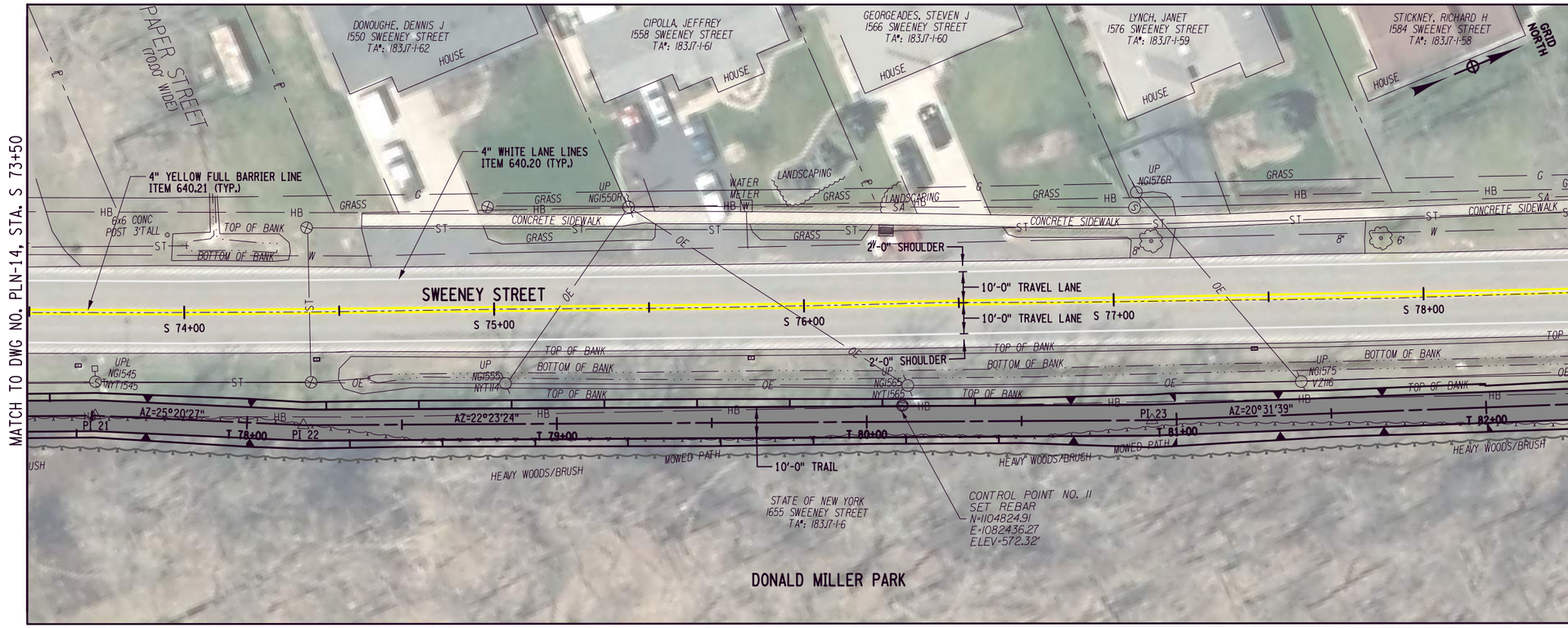
Copyright ©

SSweeney 10/3/2022 3:43:34 PM \\cscos.com\cs\file\Eng\Projects\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-14.dgn

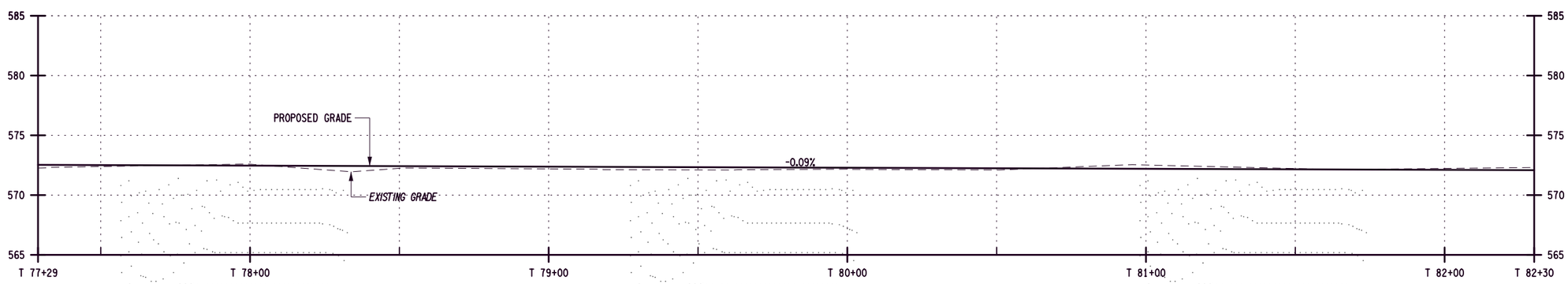
PI 21
HCL STA T 77+50.91
N: 1104583.33
E: 1082338.66

PI 22
HCL STA T 78+18.20
N: 1104644.15
E: 1082367.46

PI 23
HCL STA T 80+92.08
N: 1104897.38
E: 1082471.78



PLAN



PROFILE

20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PIN 5764.74

PROJECT NO. 2020-04

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

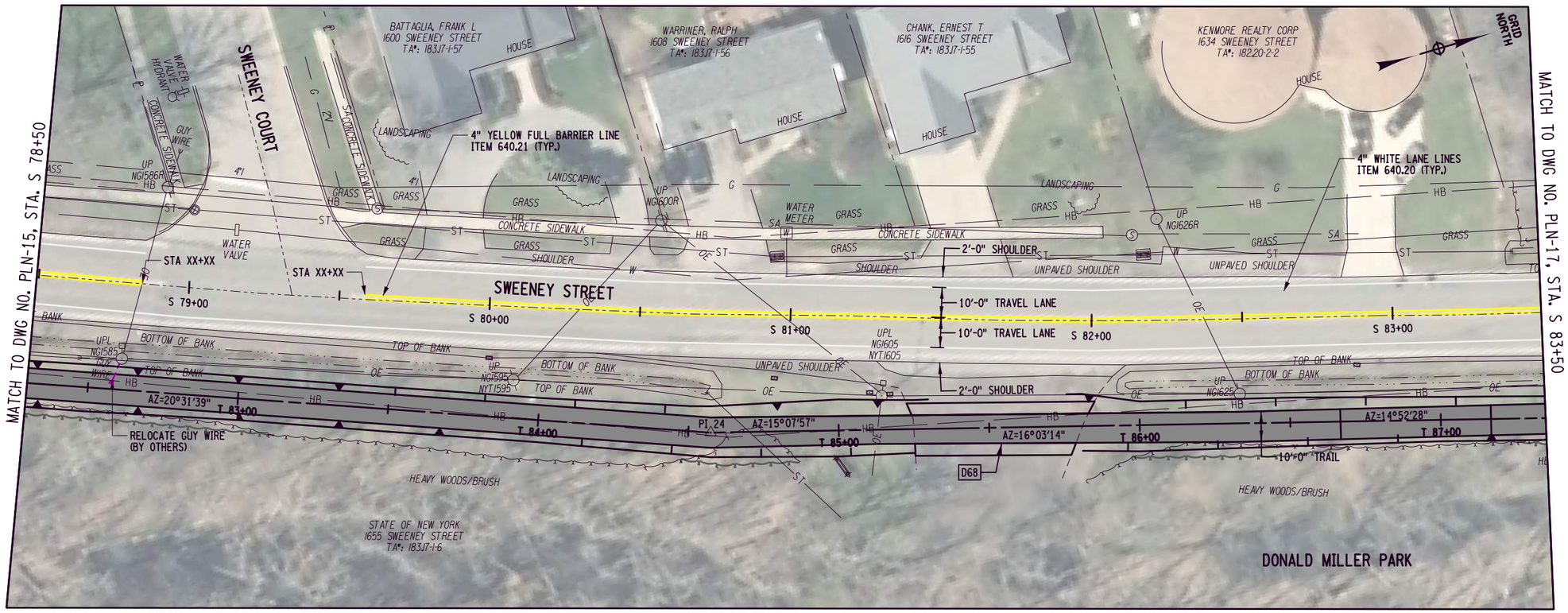
SSweeney
10/3/2022
3:43:38 PM
\\cscos.com\cs\file\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-15.dgn

PLN-15

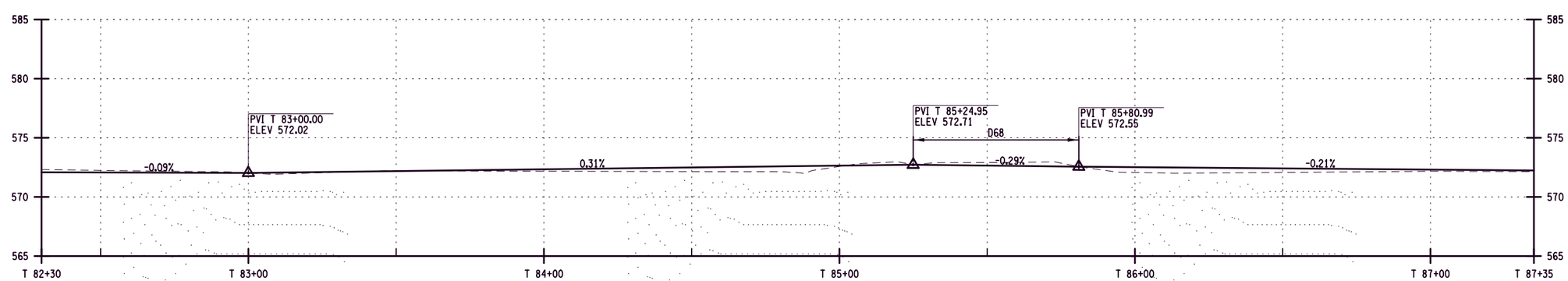
SHEET XX OF XX

Copyright ©

PI 24
HCL STA T 84+57.46
N: 1105239.55
E: 1082599.90



PLAN



PROFILE

20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PIN 5764.74

PROJECT NO. 2020-04

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW.

GENERAL PLAN

PLN-16

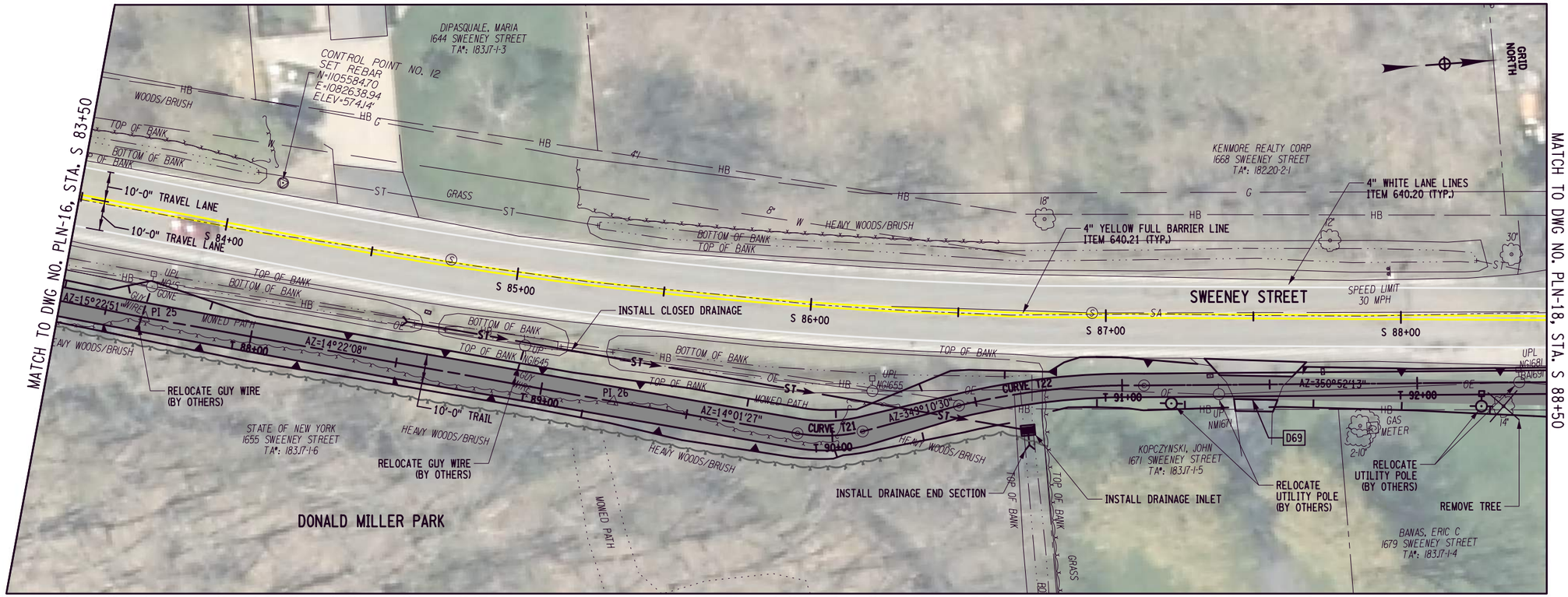
SHEET XX OF XX

SSweeney
10/3/2022
3:43:39 PM
\\cscos.com\cs\file\Eng\Projects\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-16.dgn

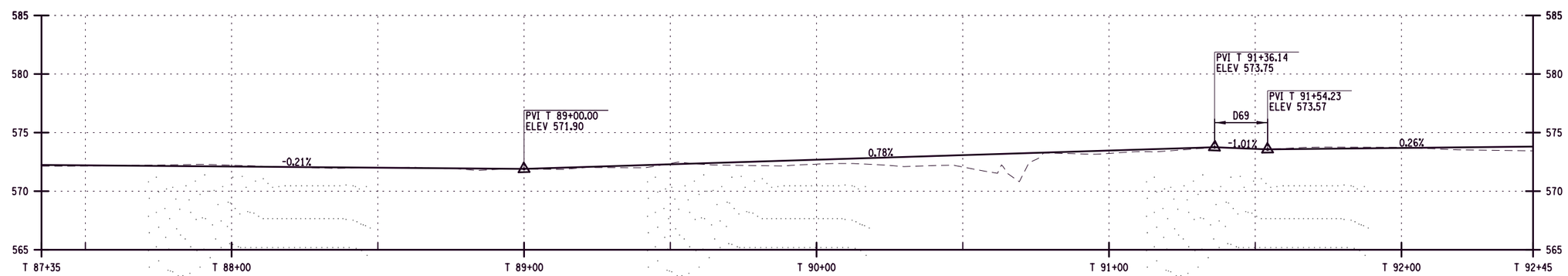
Copyright ©

PI 25
HCL STA T 87+63.42
N: 1105534.56
E: 1082681.06

PI 26
HCL STA T 89+24.72
N: 1105690.82
E: 1082721.09



PLAN



PROFILE

20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-17

SHEET XX OF XX

SSweeney 10/3/2022 3:43:42 PM \\cscos.com\csfile\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-17.dgn

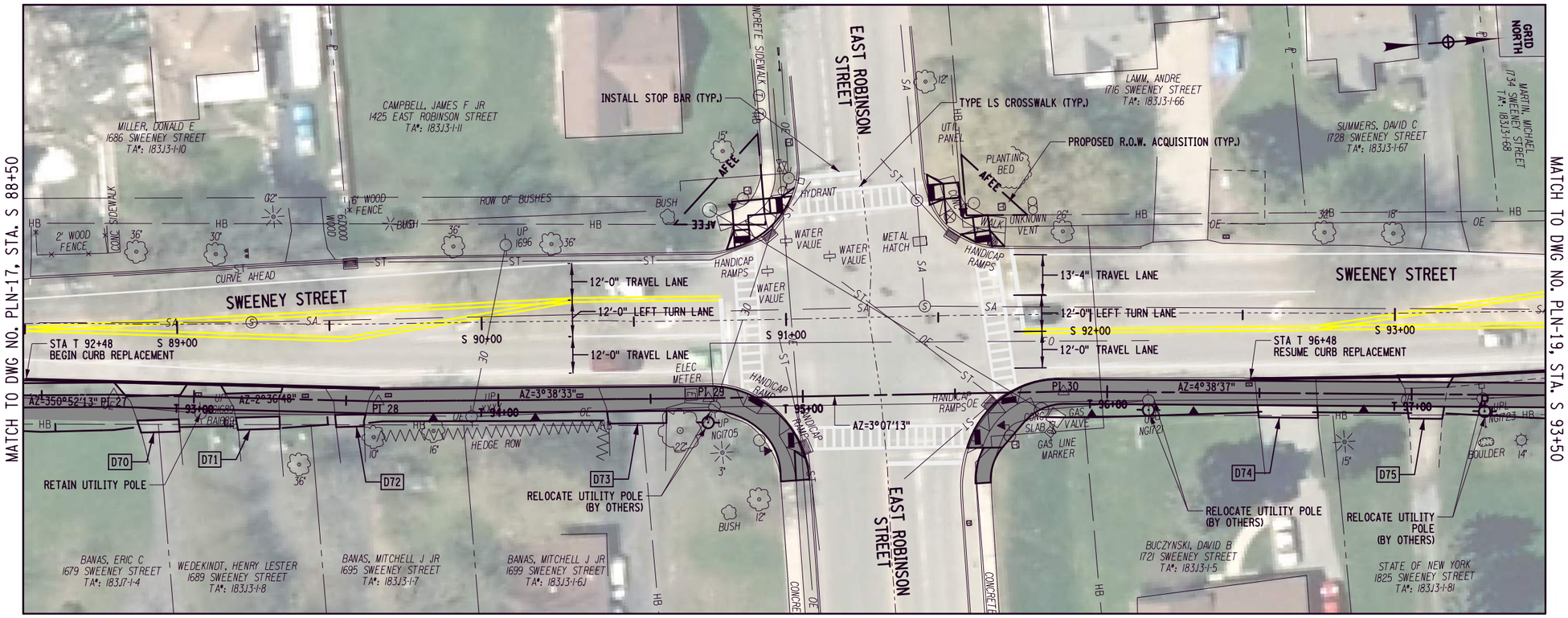
Copyright ©

PI 27
HCL STA T 92+73.34
N: 1106035.84
E: 1082744.37

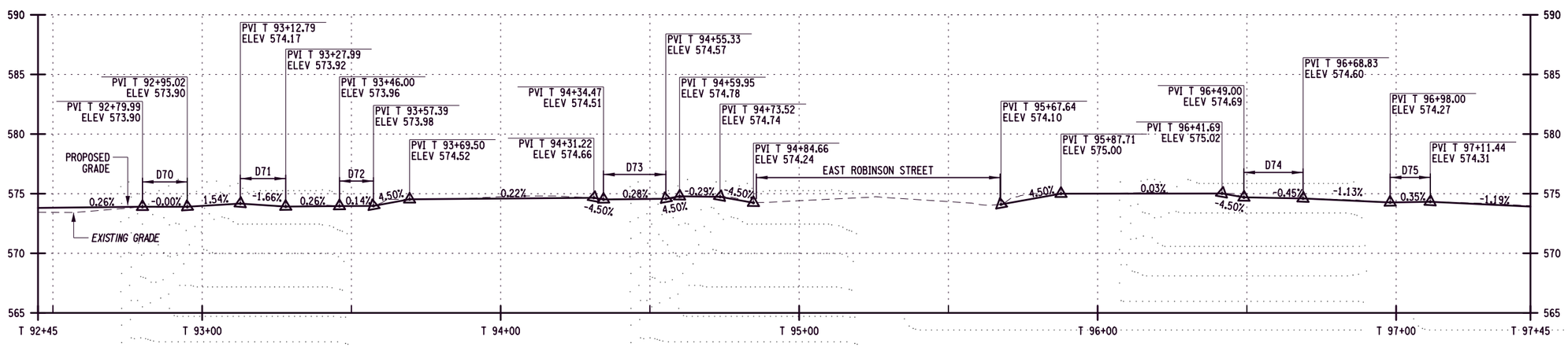
PI 28
HCL STA T 93+61.91
N: 1106124.32
E: 1082748.41

PI 29
HCL STA T 94+69.04
N: 1106231.23
E: 1082755.22

PI 30
HCL STA T 95+85.67
N: 1106347.69
E: 1082761.56



PLAN



PROFILE

20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PROJECT NO. 2020-04

PIN 5764.74

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-18

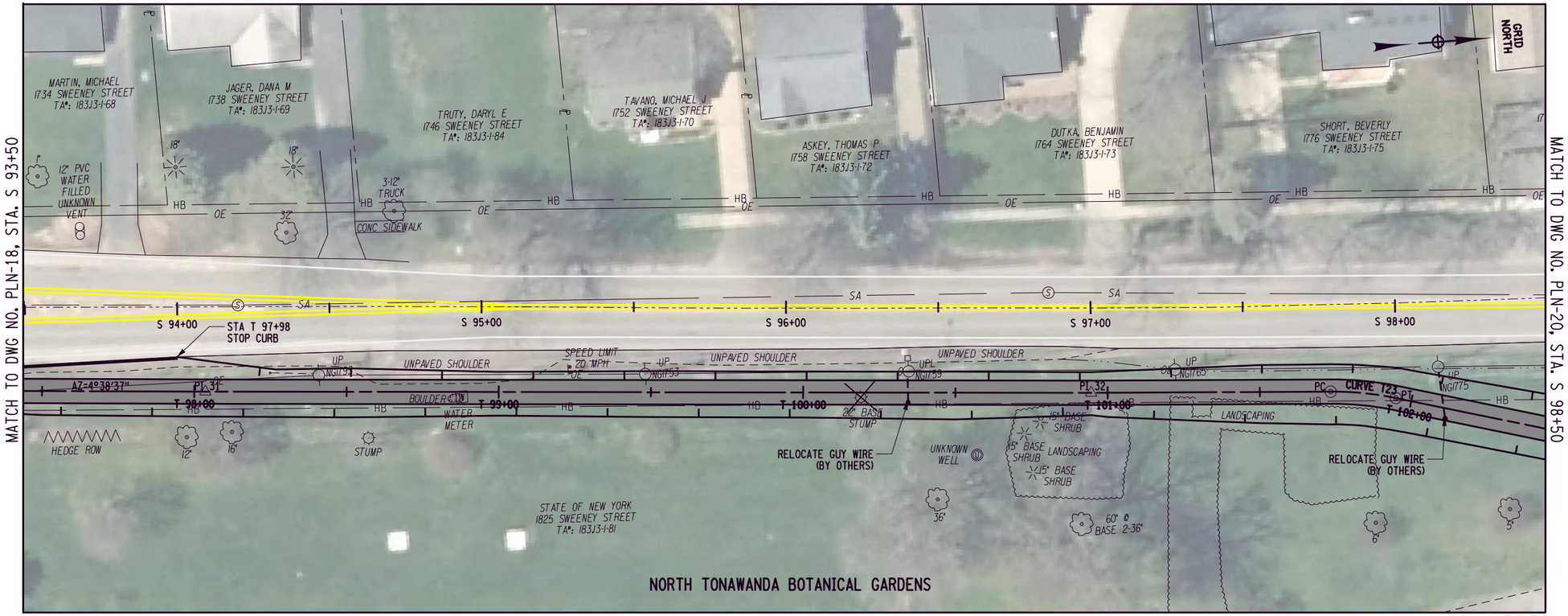
SHEET XX OF XX

SSweeney
10/3/2022
\\cscos.com\cs\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-18.dgn
3x3x4 PM

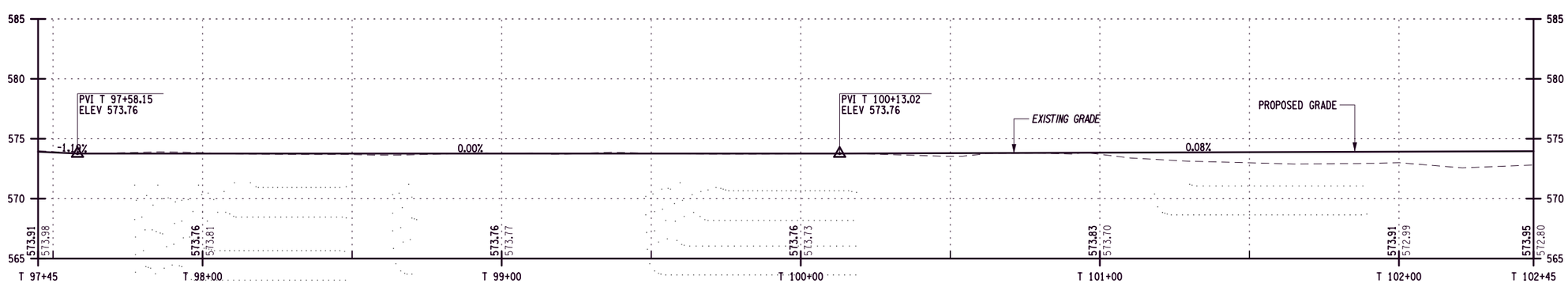
Copyright ©

PI 31
HCL STA T 98+03.65
N: 1106564.95
E: 1082779.21

PI 32
HCL STA T 100+94.64
N: 1106855.03
E: 1082802.25



PLAN



PROFILE

20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PIN 5764.74

PROJECT NO. 2020-04

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO: 823.005.001
DATE: SEPTEMBER 2022
DRAWN BY: S. SWEENEY
DESIGNED BY: D. BORCZ
CHECKED BY: S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-19

SHEET XX OF XX

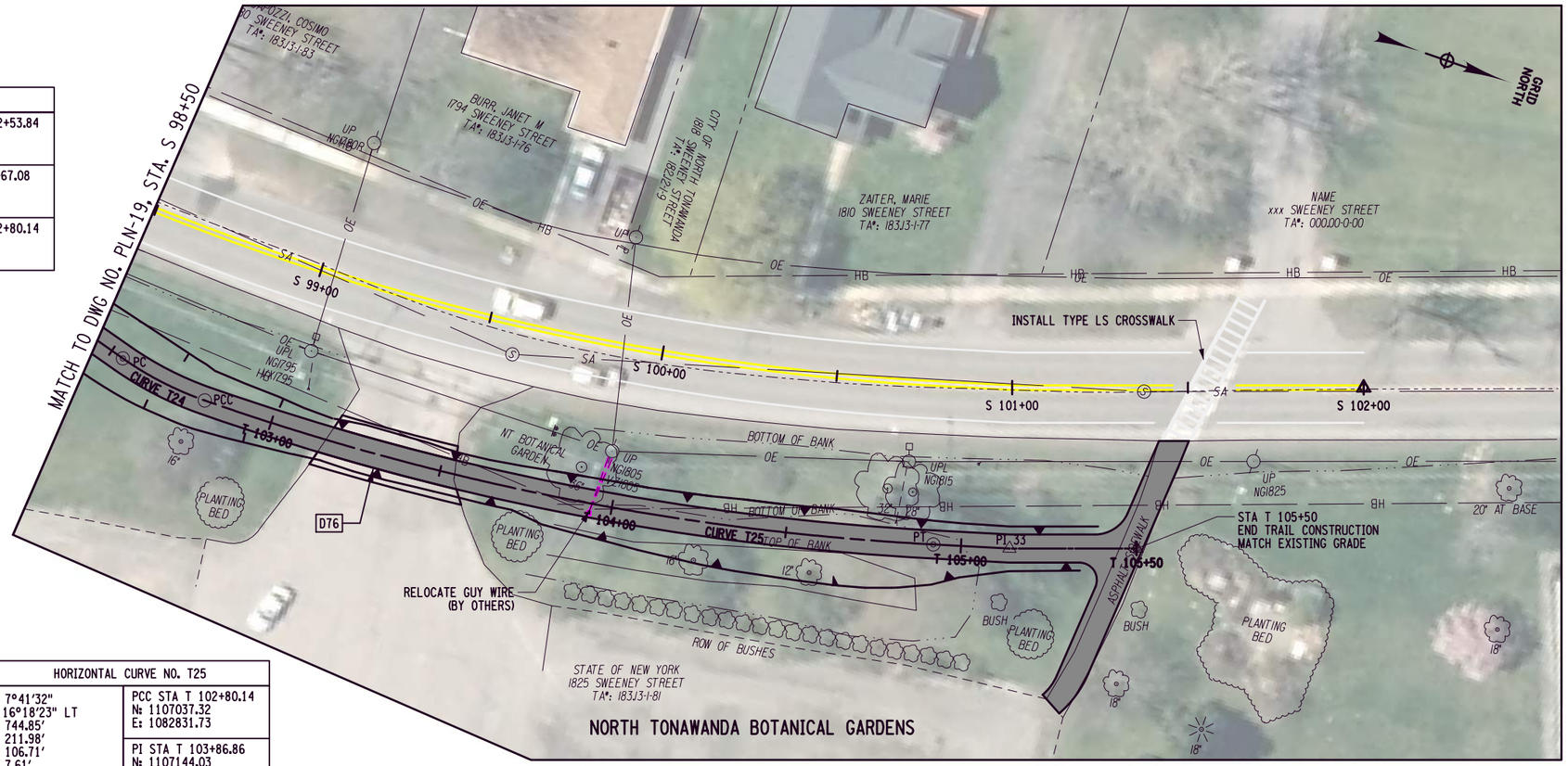
S.Sweeney
10/3/2022
3:43:47 PM
\\cscos.com\cs\file\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\PLN-19.dgn

Copyright ©

PI 33
HCL STA T 105+13.83
N: 1107267.48
E: 1082796.97

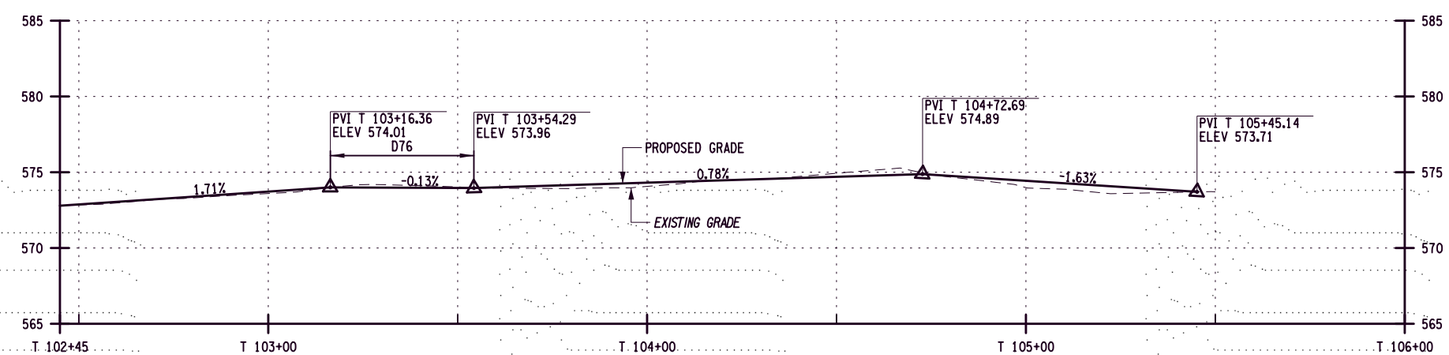
POE
HCL STA T 105+50.43
N: 1107302.08
E: 1082785.05

HORIZONTAL CURVE NO. T24	
D= 59°40'59" I= 15°41'44" LT R= 96.00' L= 26.30' T= 13.23' E= 0.91'	PC STA T 1102+53.84 N: 1107011.37 E: 1082828.00
	PI STA T 102+67.08 N: 1107024.08 E: 1082831.66
	PCC STA T 102+80.14 N: 1107037.32 E: 1082831.73



HORIZONTAL CURVE NO. T25	
D= 7°41'32" I= 16°18'23" LT R= 744.85' L= 211.98' T= 106.71' E= 7.61'	PCC STA T 102+80.14 N: 1107037.32 E: 1082831.73
	PI STA T 103+86.86 N: 1107144.03 E: 1082832.33
	PT STA T 104+92.13 N: 1107246.62 E: 1082802.94

PLAN



PROFILE

20 0 20 40

C&S COMPANIES®
C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

CITY OF NORTH TONAWANDA, N.Y.

CITY OF NORTH TONAWANDA
ERIE CANAL BIKE PATH EXTENSION

CITY OF NORTH TONAWANDA
DEPARTMENT OF ENGINEERING

PIN 5764.74

PROJECT NO. 2020-04

REVISIONS

MARK	DATE	DESCRIPTION

PROJECT NO:	823.005.001
DATE:	SEPTEMBER 2022
DRAWN BY:	S. SWEENEY
DESIGNED BY:	D. BORCZ
CHECKED BY:	S. KAEUPER

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

GENERAL PLAN

PLN-20

SHEET XX OF XX

S.Sweeney
10/3/2022
\\cscos.com\cscfile\Eng\Project\823 - City of North Tonawanda\823005001 - Erie Canal Bike Path Ext\Design\CADD\Sheet Files\Pl.N-20.dgn
3:43:59 PM

Copyright ©