



City of Ithaca
 Department of Public Works
**CAYUGA WATERFRONT
 TRAIL PHASE 2**

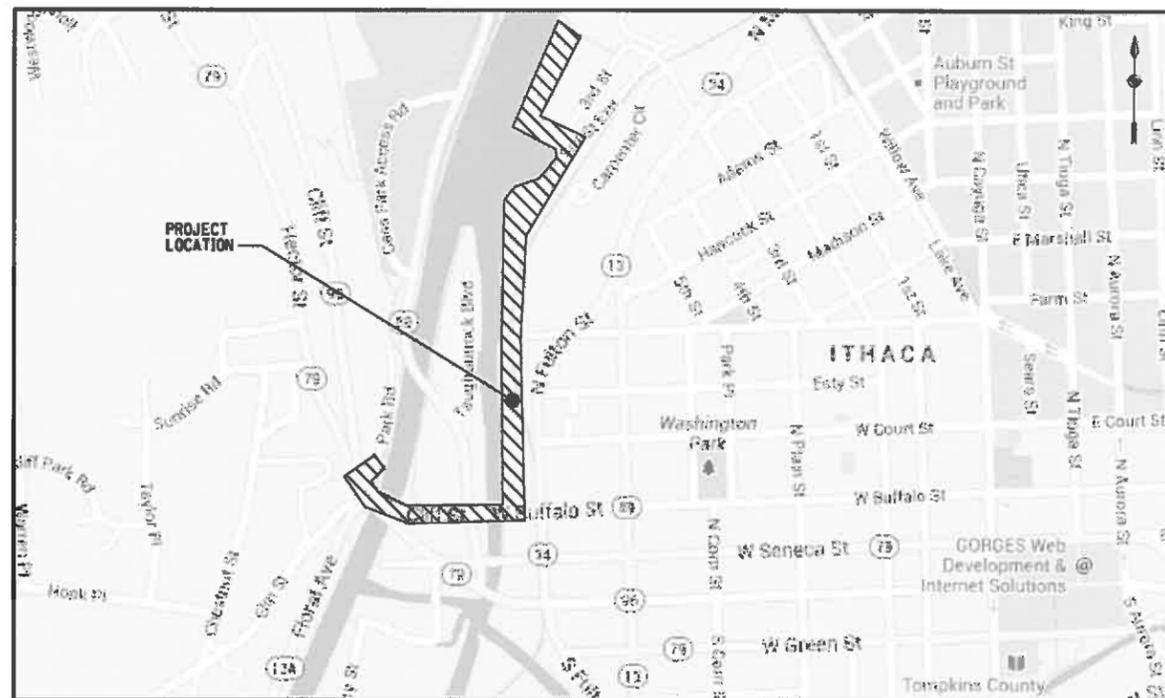
**P.I.N. 395047
 (FORMERLY P.I.N. 3950.24)**

STANDARD SHEETS
 203-05, 209-01, 209-03, 209-04, 209-05, 603-01, 603-02, 604-02, 604-02,
 606-04, 608-01, 609-01, 609-02, 619-01, 619-02, 619-10, 619-11, 619-12,
 619-20, 619-50, 619-51, 619-60, 619-61, 645-01, 645-02, 645-03, 645-09,
 645-14, 646-12, 646-13, 646-14, 646-15, 655-04, 663-05, 680-10, 685-01

UNLESS OTHERWISE LISTED ABOVE, THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE NYSOT, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.

CONTRACTOR'S NAME _____
 AWARD DATE _____
 COMPLETION DATE _____
 FINAL ACCEPTANCE DATE _____
 ENGINEER IN CHARGE _____
 FINAL COST TOTAL _____
 FISCAL SHARE _____ COST(S) _____

**PRE-PS&E
 SUBMISSION
 AUGUST 23, 2013**



**LOCATION PLAN
 NOT TO SCALE**

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON JULY 7, 2009.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE NYSOT STANDARD SPECIFICATIONS (ENGLISH UNITS) OF MAY 1, 2008 WITH CURRENT ADDITIONS AND MODIFICATIONS EXCEPT AS MODIFIED ON THESE PLANS AND IN THE ITEMIZED PROPOSAL.

Bergmann
 associates
 architects // engineers // planners

28 East Main Street
 200 First Federal Plaza
 Rochester, New York 14614-1909

office: 585.232.5135
 fax: 585.232.4652
 www.bergmannpc.com

PREPARED BY:

APPROVED BY:

MARK JOHNS, ASLA
 BERGMANN ASSOCIATES
 ASLA LICENSE NO. 001280

DATE

TOM WEST
 DIRECTOR OF ENGINEERING
 CITY OF ITHACA DEPARTMENT OF PUBLIC WORKS

DATE

**Cayuga
Waterfront Trail
Phase 2
PIN 395047**

City of Ithaca

City Hall
108 East Green Street
Ithaca, NY 14850

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REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CHKD

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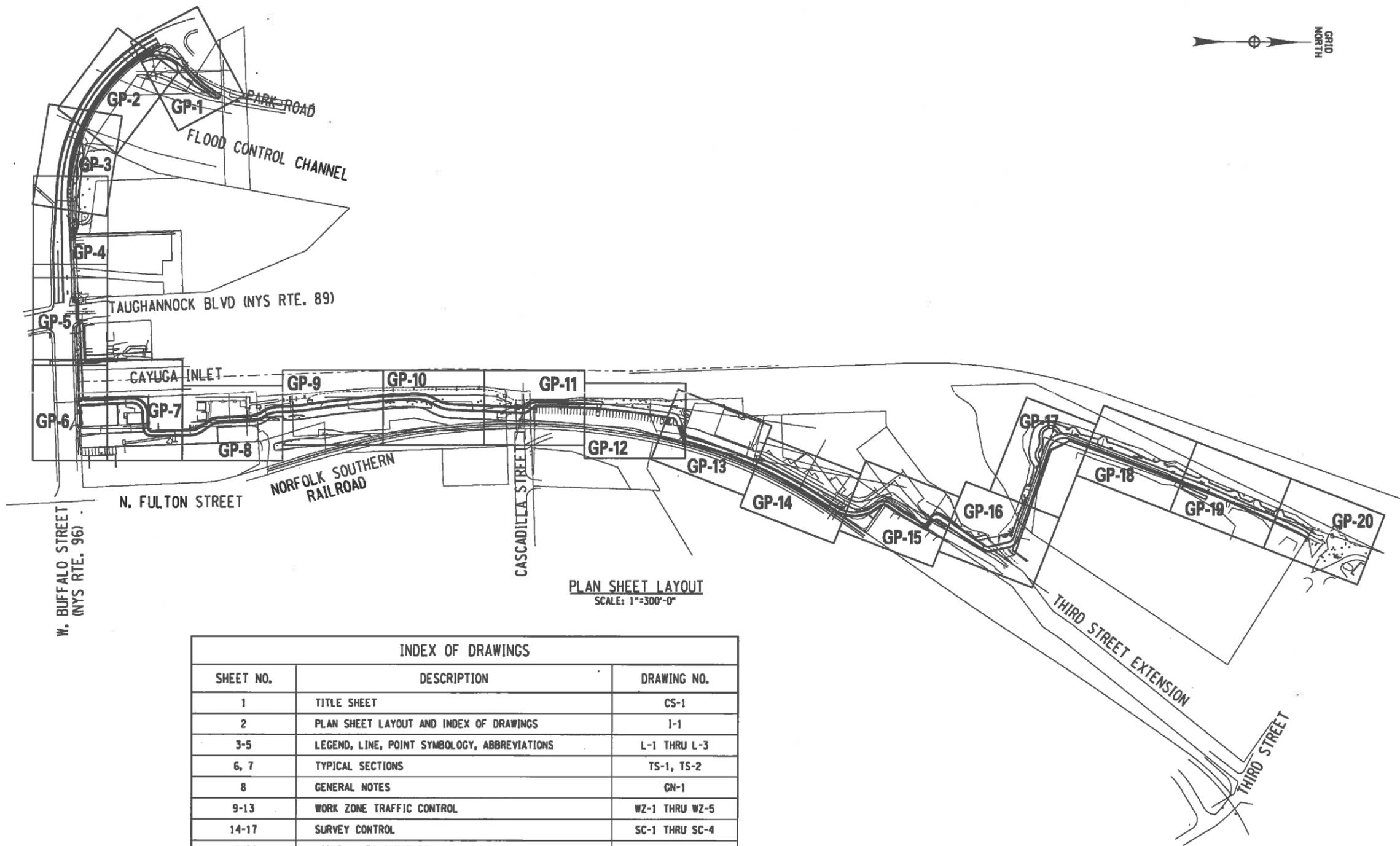
**PRE - PS&E
SUBMISSION**

XX/XX/XX
Date

**PLAN SHEET
LAYOUT AND
INDEX OF DRAWINGS**

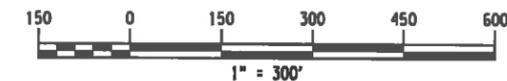
Unauthorized alteration or addition to this drawing is a violation of the New York State Education Law Article 145, Section 7209.

Project Manager:
M.R.J.
Designed By: R.J.S. Project Number: 6091.10
Drawn By: D.W.T. Date Issued: JULY 19, 2013
Checked By: D.F. Scale: 1" = 300'-0"
Drawing Number:



PLAN SHEET LAYOUT
SCALE: 1"=300'-0"

INDEX OF DRAWINGS		
SHEET NO.	DESCRIPTION	DRAWING NO.
1	TITLE SHEET	CS-1
2	PLAN SHEET LAYOUT AND INDEX OF DRAWINGS	I-1
3-5	LEGEND, LINE, POINT SYMBOLOLOGY, ABBREVIATIONS	L-1 THRU L-3
6, 7	TYPICAL SECTIONS	TS-1, TS-2
8	GENERAL NOTES	GN-1
9-13	WORK ZONE TRAFFIC CONTROL	WZ-1 THRU WZ-5
14-17	SURVEY CONTROL	SC-1 THRU SC-4
18-20	MISCELLANEOUS TABLES	MT-1 THRU MT-3
21, 22	MISCELLANEOUS DETAILS	MD-1, MD-2
23, 24	LANDSCAPING DETAILS	LD-1, LD-2
25-44	GENERAL PLANS (1"=20')	GP-1 THRU GP-20
45-51	STRUCTURAL DRAWINGS	ST-1 THRU ST-7



I-1

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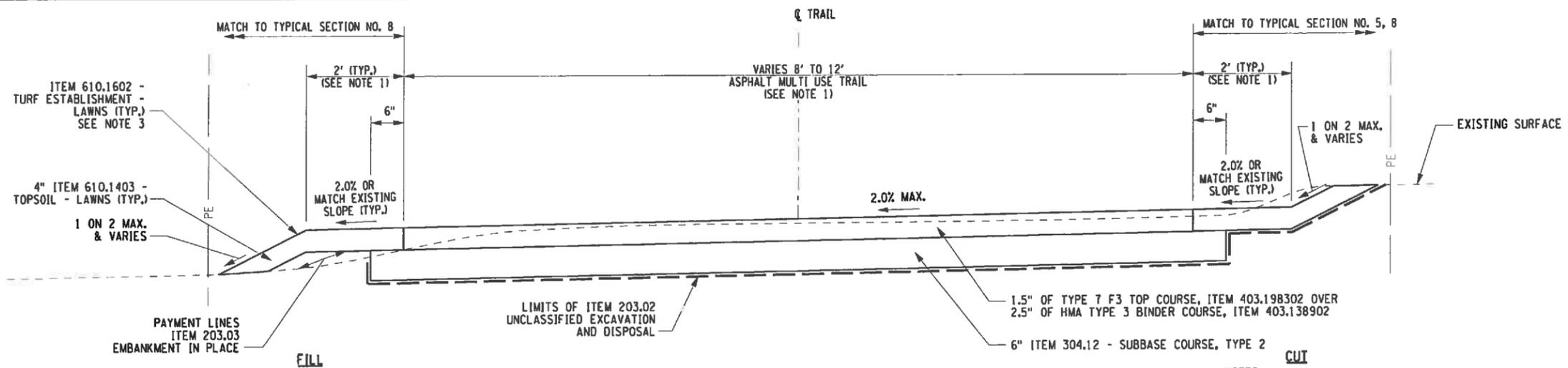
TYPICAL SECTIONS

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Project Manager: M.R.J.
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 Drawing Number: _____

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 Scale: AS SHOWN

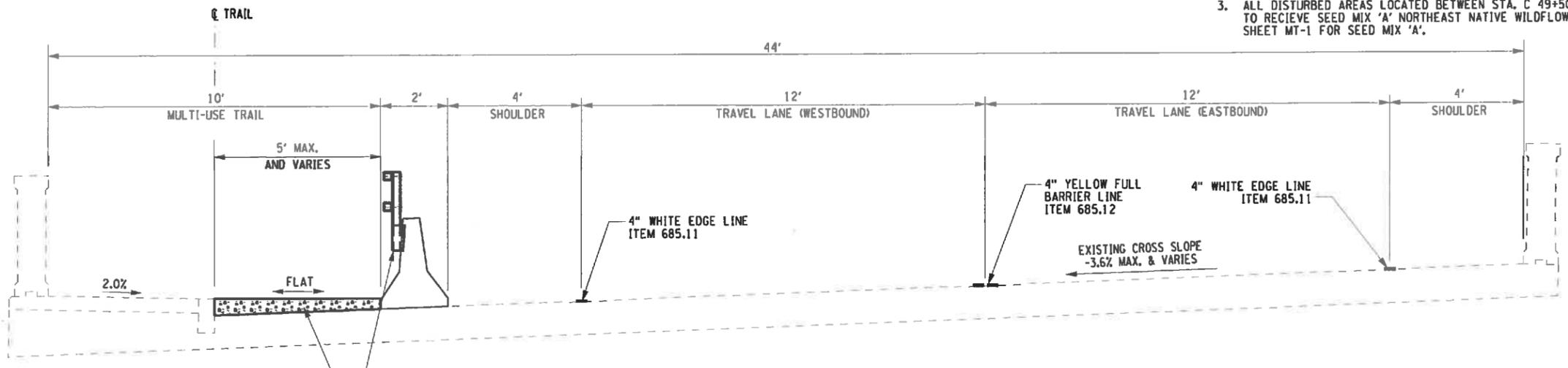
TS-1



TYPICAL SECTION 1 - ASPHALT TRAIL OFF-ROAD SECTION

SCALE: 1/2" = 1'-0"
 STA. C 10+40 TO STA. C 12+40
 STA. C 27+97 TO STA. C 37+50
 STA. C 40+04 TO STA. C 47+31
 STA. C 47+56 TO STA. C 60+42

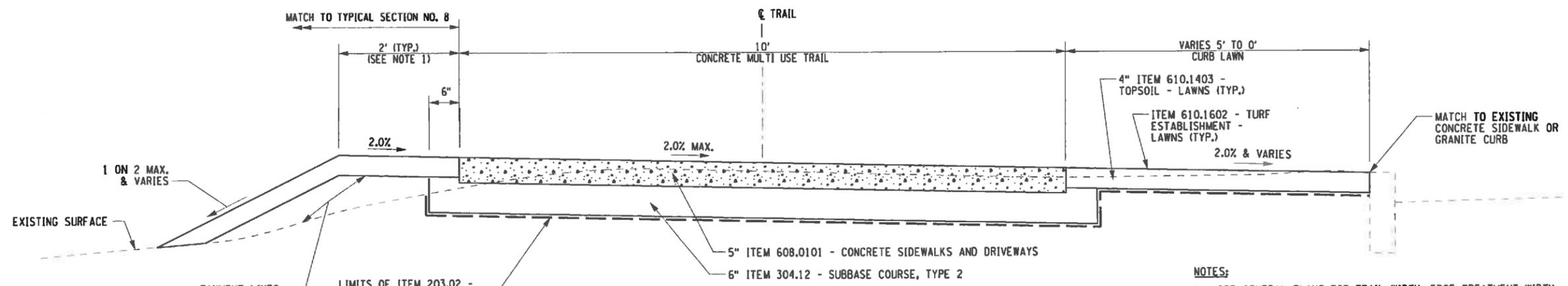
- NOTES:**
- SEE GENERAL PLANS FOR TRAIL WIDTH, EDGE TREATMENT WIDTH, AND CROSS SLOPE.
 - SEE DWG. NO. LD-2 FOR BOX BEAM GUIDE RAIL AND TIMBER FENCE INSTALLATION DETAILS.
 - ALL DISTURBED AREAS LOCATED BETWEEN STA. C 49+50 TO STA. C 60+40 TO RECEIVE SEED MIX 'A' NORTHEAST NATIVE WILDFLOWER & GRASS MIX. SEE SHEET MT-1 FOR SEED MIX 'A'.



TYPICAL SECTION 2 - ON-ROAD SECTION BUFFALO STREET (NYS ROUTE 96) BRIDGE

SCALE: 1/4" = 1'-0"
 STA. C 12+63 TO STA. C 16+77 (LOOKING EAST)

FOR ADDITIONAL DETAILS, SEE STRUCTURAL DWG. NO. ST-3



TYPICAL SECTION 3 - CONCRETE TRAIL ON-ROAD SECTION

SCALE: 1/2" = 1'-0"
 STA. C 16+77 TO STA. C 18+38
 STA. C 20+65 TO STA. C 21+62

- NOTES:**
- SEE GENERAL PLANS FOR TRAIL WIDTH, EDGE TREATMENT WIDTH, AND CROSS SLOPE.
 - SEE DWG. NO. LD-2 FOR BOX BEAM GUIDE RAIL AND TIMBER FENCE INSTALLATION DETAILS.

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SUBMISSION

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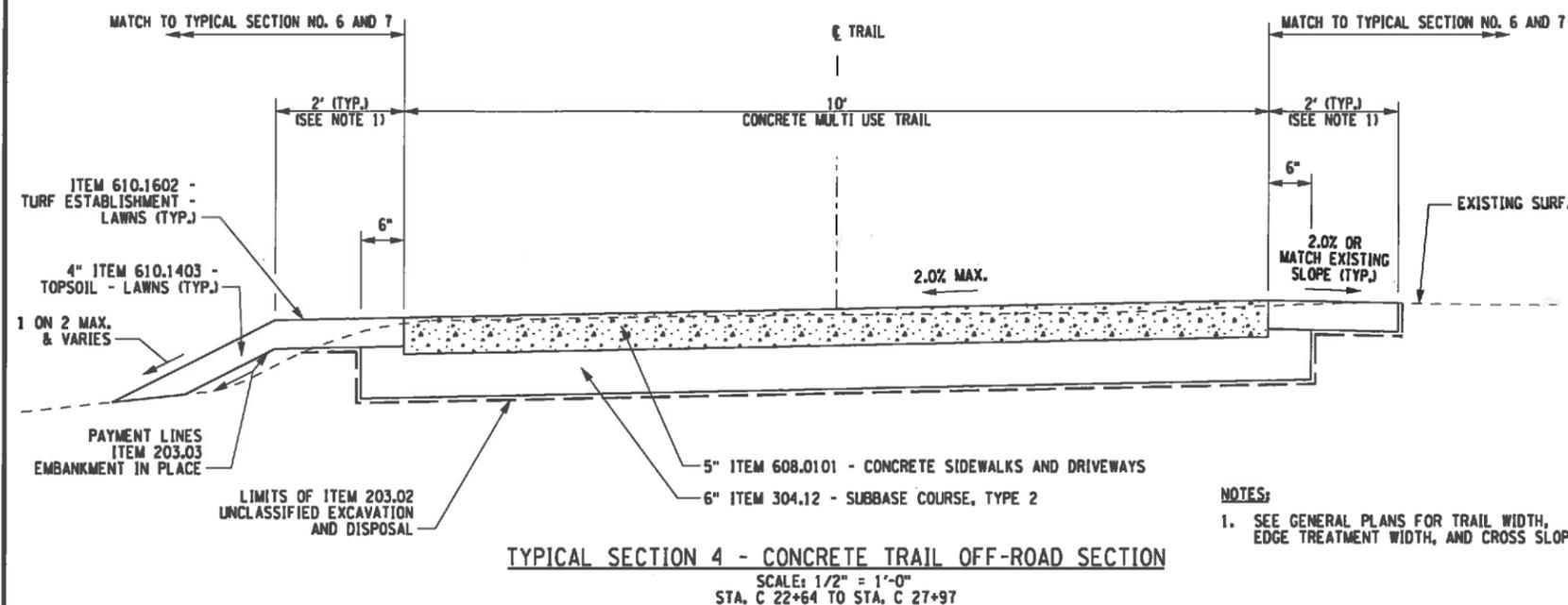
Drawing Number:

Project Number:
6091.10

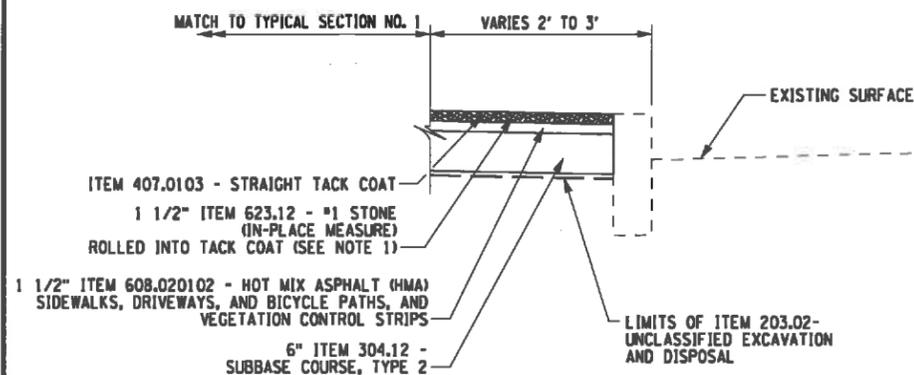
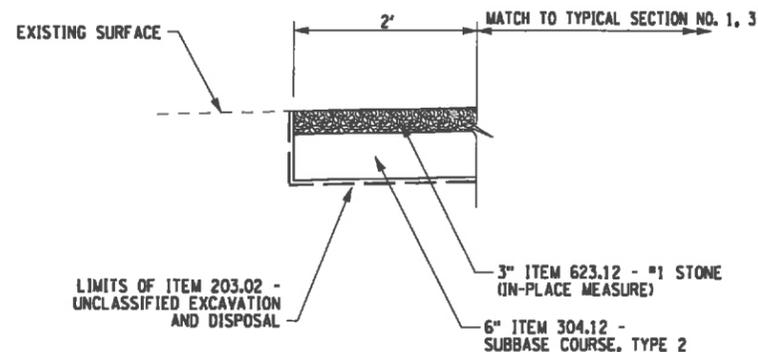
Date Issued:
JULY 19, 2013

Scale:
1/2" = 1'-0"

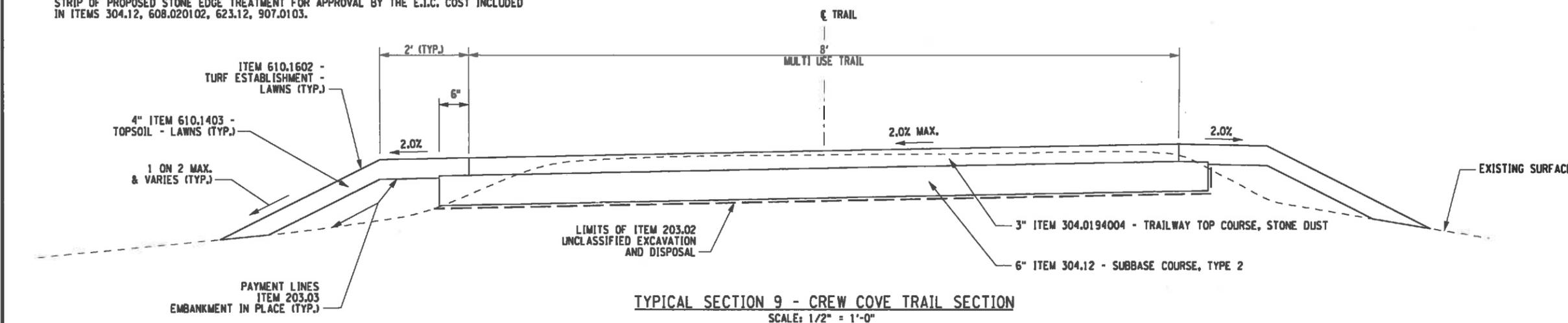
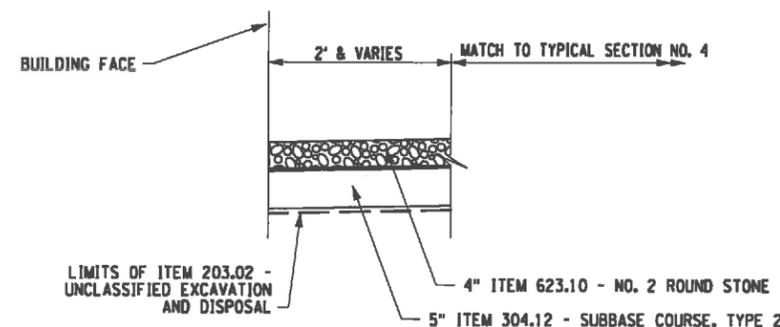
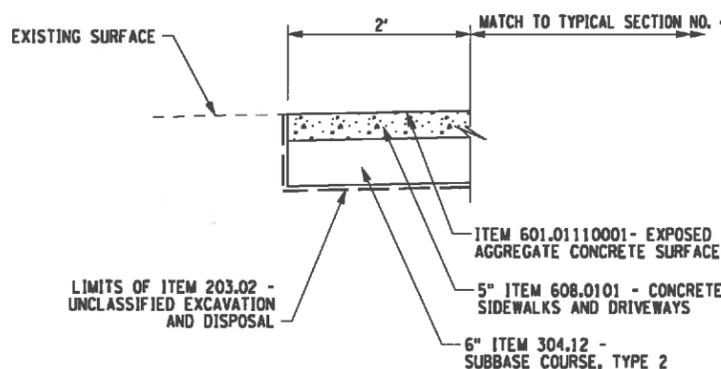
TS-2



NOTES:
1. SEE GENERAL PLANS FOR TRAIL WIDTH, EDGE TREATMENT WIDTH, AND CROSS SLOPE.



NOTE:
1. PROPOSED STONE EDGE TREATMENT AT BOAT HOUSE PARKING LOT SHALL MATCH EXISTING STONE EDGE TREATMENT. PRIOR TO INSTALLATION, CONTRACTOR SHALL CONSTRUCT TEST STRIP OF PROPOSED STONE EDGE TREATMENT FOR APPROVAL BY THE E.I.C. COST INCLUDED IN ITEMS 304.12, 608.020102, 623.12, 907.0103.



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MISCELLANEOUS TABLES

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M.R.J.

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Drawn By:
E.F.H.

Checked By:
D.F.

Drawing Number:

Project Number:
6091.10

Date Issued:
JULY 19, 2013

Scale:
NO SCALE

MT-1

EXISTING TREE DISPOSITION TABLE

STATION	SIDE	OFFSET (FT.)	DISPOSITION	TREE TYPE	ITEM 614.060104 (>4"-6")	ITEM 614.060204 (>6"-12")	ITEM 614.060304 (>12"-18")	ITEM 614.060404 (>18"-24")	ITEM 607.41010010 (FT)
C 11+24	LT	17	PROTECT EXISTING TREE	6" OAK					26
C 11+31	LT	18	PROTECT EXISTING TREE	7" BOXELDER					
C 16+07	LT	10	PROTECT EXISTING TREE	3" SYCAMORE					16
C 16+86	CL	0	REMOVE EXISTING TREE	5" SYCAMORE	1				
C 17+23	LT	2	REMOVE EXISTING TREE	6" SYCAMORE	1				
C 18+12	CL	0	REMOVE EXISTING TREE	8" MAPLE		1			
C 20+87	RT	1	REMOVE EXISTING TREE	6" CRABAPPLE	1				
C 21+00	LT	4	REMOVE EXISTING TREE	4" SPRUCE	1				
C 21+11	LT	4	REMOVE EXISTING TREE	4" SPRUCE	1				
C 21+15	RT	2.3	REMOVE EXISTING TREE	5" CRABAPPLE	1				
C 21+22	LT	3	REMOVE EXISTING TREE	4" SPRUCE	1				
C 21+31	RT	2	REMOVE EXISTING TREE	7" SYCAMORE		1			
C 21+46	LT	2	REMOVE EXISTING TREE	7" SYCAMORE		1			
C 22+62	LT	3	REMOVE EXISTING TREE	18" CATALPA			1		
C 25+86	RT	23.5	PROTECT EXISTING TREE	12" LOCUST					16
C 29+19	RT	20	PROTECT EXISTING TREE	40" POPLAR					42
C 29+29	RT	25	PROTECT EXISTING TREE	30" POPLAR					27
C 31+77	RT	14	PROTECT EXISTING TREE	40" POPLAR					31
C 32+36	RT	21	PROTECT EXISTING TREE	36" POPLAR					33
C 32+79	RT	12	PROTECT EXISTING TREE	30" POPLAR					29
C 32+82	RT	16.5	PROTECT EXISTING TREE	24" POPLAR					20
C 34+92	RT	11	PROTECT EXISTING TREE	30" POPLAR					22
C 35+69	RT	11.6	PROTECT EXISTING TREE	3" MAPLE					23
C 36+19	RT	4	REMOVE EXISTING TREE	14" WALNUT			1		
C 36+52	LT	7.4	REMOVE EXISTING TREE	18" WALNUT			1		
C 36+93	RT	0.5	REMOVE EXISTING TREE	16" WALNUT			1		
C 37+45	RT	14.4	PROTECT EXISTING TREE	4" UNKNOWN					14
C 49+90	LT	26	PROTECT EXISTING TREE	22" UNKNOWN					20
C 51+37	LT	16	REMOVE EXISTING TREE	14" UNKNOWN			1		
C 51+67	LT	12	PROTECT EXISTING TREE	14" UNKNOWN					18
C 51+88	LT	14	PROTECT EXISTING TREE	14" UNKNOWN					18
C 52+23	LT	4	REMOVE EXISTING TREE	12" MAPLE		1			
C 52+26	LT	3	REMOVE EXISTING TREE	14" UNKNOWN			1		
C 52+34	LT	8	REMOVE EXISTING TREE	8" UNKNOWN		1			
C 53+04	LT	10	REMOVE EXISTING TREE	12" UNKNOWN		1			
C 53+14	LT	19	REMOVE EXISTING TREE	10" UNKNOWN		1			
C 53+43	LT	19	PROTECT EXISTING TREE	6" UNKNOWN					14
C 55+46	LT	14	PROTECT EXISTING TREE	50" WILLOW				1	20
C 57+50	RT	1.5	REMOVE EXISTING TREE	24" UNKNOWN				1	
C 58+33	LT	6	REMOVE EXISTING TREE	6" UNKNOWN		1			
C 59+31	LT	10	PROTECT EXISTING TREE	48" WILLOW					18
MISCELLANEOUS TREE PROTECTION									376
TOTAL					7	8	6	1	727

PAYMENT WILL BE MADE UNDER:

ITEM 607.41010010 - TEMPORARY PLASTIC BARRIER FENCE

ITEM 614.060104 - TREE REMOVAL - OVER 4" TO 6" DIAMETER BREAST HEIGHT, STUMP GRUBBED

ITEM 614.060204 - TREE REMOVAL - OVER 6" TO 12" DIAMETER BREAST HEIGHT, STUMP GRUBBED

ITEM 614.060304 - TREE REMOVAL - OVER 12" TO 18" DIAMETER BREAST HEIGHT, STUMP GRUBBED

ITEM 614.060404 - TREE REMOVAL - OVER 18" TO 24" DIAMETER BREAST HEIGHT, STUMP GRUBBED

PLANT LIST

Key	Qty.	Botanic Name	Common Name	Height	Spread	Installed Size	Condition	NOTES
Large								
AL	1	Amelanchier laevis	Allegheny Serviceberry	15-25' Ht	5-10' Sprd	8' Ht.	B&B	Clump Form
PA	4	Platanus x acerifolia 'Bloodgood'	Bloodgood London Plane	60' Ht.	60' Sprd	2.5" Cal.	B&B	
QB	5	Quercus bicolor	Swamp White Oak	50-60' Ht.	50-60' Sprd	2.5" Cal.	B&B	
Medium / Medium Trees								
MD	1	Malus 'Donald Wyman'	Donald Wyman Crabapple	15-20' Ht	17-22' Sprd	2.5" Cal.	B&B	
Deciduous: Deciduous Shrubs								
RA	13	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	2' Ht.	6-8' Sprd	No 3	Cont	
RP	19	Rosa 'Dwarf Pavement'	Dwarf Pavement Rose	2' Ht	3' Sprd	No 3	Cont	
Perennial Perennials / Groundcover / Vine								
EG	8	Eupatorium purpureum 'Gateway'	Gateway Joe Pye Weed	4-6' Ht	3-5' Sprd	No 2	Cont	
EP	20	Echinacea purpurea	Prairie Coneflower	2.5' Ht	1.5-2' Sprd	No 2	Cont	
PQ	98	Parthenocissus quinquefolia	Virginia Creeper	30-50' Ht	5-10' Sprd	No 1	Cont	
RF	16	Rudbeckia fulgida	Black Eyed Susan	2-3' Ht	2-2.5' Sprd	No 2	Cont	
SP	35	Silphium perfoliatum	Cup Plant	4-8' Ht	1-3' Sprd	No 2	Cont	

DETECTABLE WARNING UNITS TABLE

STATION	OFFSET (FT)	SIDE	ITEM 608.20 (SY)
C 20+06	3.7	RT	3.1
C 20+20	69.7	RT	0.9
C 20+30	79.5	RT	0.9
C 20+57	0	CL	2.2
C 20+72	13.4	RT	0.9
C 20+74	77.8	RT	0.9
C 20+79	71.8	RT	0.9
C 40+06	0	CL	1.8
C 47+31	0	CL	2.0
C 47+59	0	CL	2.5
TOTAL			16.1

PAYMENT WILL BE MADE UNDER:

ITEM 608.20 - SURFACE APPLIED DETECTABLE WARNING UNITS

UTILITY POLE DISPOSITION TABLE

STATION	SIDE	EXISTING OFFSET (FT.)	RELOCATE	REMARKS
C 18+04	LT	0.8	1	RELOCATE EXISTING UTILITY POLE (BY OTHERS)
C 20+66	LT	1.7	1	RELOCATE EXISTING UTILITY POLE (BY OTHERS)
C 26+80	LT	9	0	EXISTING UTILITY POLE TO REMAIN
C 28+35	RT	13.3	0	EXISTING UTILITY POLE TO REMAIN
C 34+77	LT	22.4	0	EXISTING UTILITY POLE TO REMAIN
C 35+42	LT	11	0	EXISTING UTILITY POLE TO REMAIN
C 46+96	LT	4.5	1	RELOCATE EXISTING UTILITY POLE (BY OTHERS)

SNOW PLOWING MARKER AND DELINEATOR TABLE

LOCATION/SIDE	OFFSET (FT.)	ITEM 646.22 (EA.)		
		SINGLE MARKER (GREEN)	DOUBLE MARKER (GREEN)	DELINEATOR (WHITE)
C 12+44 / RT	19	1 (BRACKET)		
C 12+63 / RT	6.9			1 (POST)
C 12+88 / RT	6			1 (BRACKET)
C 14+30 / RT	6			1 (BRACKET)
C 15+75 / RT	6			1 (BRACKET)
C 16+20 / RT	7.5			1 (BRACKET)
C 16+76 / RT	8.4		1 (BRACKET)	
C 16+76 / RT	12.8			1 (POST)

PAYMENT WILL BE MADE UNDER:
ITEM 646.22 - DELINEATOR, SNOWPLOWING MARKER, SUPPLEMENTARY SNOWPLOWING MARKER PANELS
ITEM 646.31 - STEEL POST, 1.1 LB/FT
ITEM 646.50 - BRACKETS FOR BARRIER AND MULTIDIRECTIONAL MOUNTING

SIGN REMOVAL TABLE

ID #	DESCRIPTION	ITEM 647.61 (EA)
1-1	DEAD END	1
1-2	NO STANDING	1
1-3	RIGHT LANE MUST TURN RIGHT	1
3-1	RIGHT LANE MUST TURN RIGHT	1
3-2	NO STANDING	1
4-1	CITY SPEED LIMIT 30 MPH	1
4-2	THRU TRAFFIC USE LEFT LANE & MILE MARKER 98/3602/2122	1

NOTES:

1. CONTRACTOR SHALL REMOVE AND STORE ALL REMOVED SIGNS AND POSTS. CONTRACTOR SHALL COORDINATE PICKUP TIME AND LOCATION WITH THE CITY OF ITHACA DEPARTMENT OF PUBLIC WORKS. COST INCLUDED IN ITEM 647.61.

PAYMENT WILL BE MADE UNDER:

ITEM 647.61: REMOVE AND DISPOSE SIGNS, GROUND MOUNTED TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE I (UNDER 30 SQUARE FEET)

SIGNS TO REMAIN TABLE

ID #	DESCRIPTION
1-1	7' CLEARANCE
5-1	NO STANDING
5-2	ROUTE SIGN
5-3	THE JEWELBOX
5-4	ROUTE SIGN
5-5	NO STANDING TO CORNER & NO PARKING
5-6	SENECA BYWAY & CAYUGA LAKE
8-1	RESERVED PARKING
8-2	NO PARKING
8-3	ENTERPRISE RENTAL SIGN
9-1	NO PARKING
9-2	RESERVED PARKING
11-1	UNKNOWN
12-1	HANDICAP
13-1	NO PARKING ANYTIME
13-2	HANDICAP
20-1	STOP & NO PARKING DURING MARKET HOURS
20-2	NO PARKING FIRE LANE

SEED MIX 'A' - NORTHEAST NATIVE WILDFLOWER & GRASS MIX

PERCENTAGE	COMMON NAME	BOTANIC NAME
ERNMX - 153 AS PROVIDED BY ERNST CONSERVATION SEEDS OR APPROVED EQUAL		
37%	Big bluestem, 'Niagara'	Andropogon gerardii, 'Niagara'
10%	Virginia Wildrye, PA Ecotype	Elymus virginicus, PA Ecotype
10%	Sideoats Grama, 'Butte'	Bouteloua curtipendula, 'Butte'
9%	Indiangrass, PA Ecotype	Sorghastrum nutans, PA Ecotype
4%	Partridge Pea, PA Ecotype	Chamaecrista fasciculata (Cassia f.), PA Ecotype
3%	Blackeyed Susan, Coastal Plan NC Ecotype	Rudbeckia hirta, Coastal Plan NC Ecotype
3%	Ohio Spiderwort, PA Ecotype	Tradescantia ohioensis, PA Ecotype
3%	Tall White Beardtongue	Penstemon digitalis
3%	Marsh (Dense) Blazing Star (Spiked Gayfeather), PA Ecotype	Liatris spicata, PA Ecotype
2%	Hairy Beardtongue	Penstemon hirsutus
2%	Zigzag Aster, PA Ecotype ()	Aster prenanthoides, Symphyotrichum p., PA Ecotype
2%	New England Aster, PA Ecotype	Aster novae-angliae, Symphyotrichum n., PA Ecotype
2%	Wild Senna, VA & WV Ecotype	Senna hebecarpa (Cassia h.), VA & WV Ecotype
2%	Oxeye Sunflower, PA Ecotype	Heliopsis helianthoides, PA Ecotype
2%	Autumn Bentgrass, Albany Pine Bush-NY Ecotype	Agrostis perennans, Albany Pine Bush-NY Ecotype
1%	Blue False Indigo, Southern WV Ecotype	Baptisia australis, Southern WV Ecotype
1%	Maryland Senna	Senna marilandica (Cassia m.)
1%	Early Goldenrod, PA Ecotype	Solidago juncea, PA Ecotype
1%	Wild Bergamot, PA Ecotype	Monarda fistulosa, PA Ecotype
1%	Orange Coneflower, Northern VA Ecotype	Rudbeckia fulgida var. fulgida, Northern VA Ecotype
1%	Butterfly Milkweed	Asclepias tuberosa
100%		

Application Rate: 15 lbs per acre or 1/3-1/2 lb per 1,000 square feet.

Cayuga Waterfront Trail Phase 2

PIN 395047

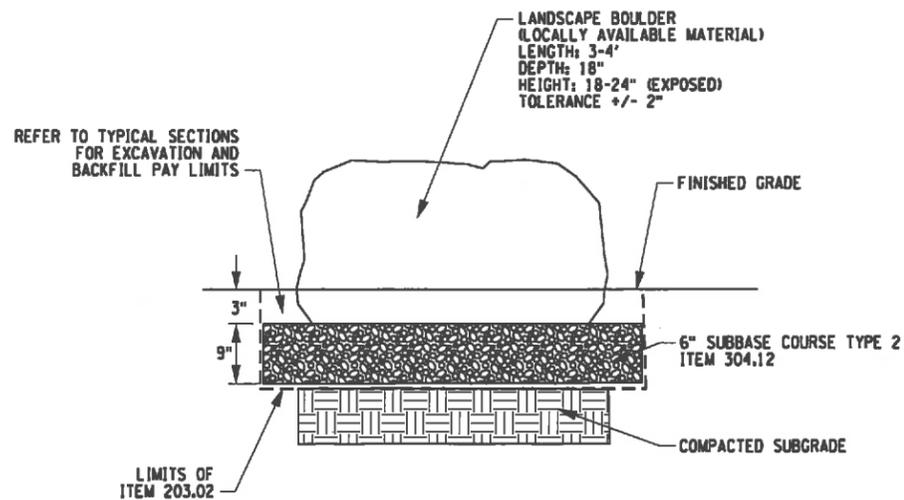
City of Ithaca

City Hall
108 East Green Street
Ithaca, NY 14850

Bergmann
associates
architects // engineers // planners

28 East Main Street
200 First Federal Plaza
Rochester, New York 14614-1909
office: 585.232.5135
fax: 585.232.4652
www.bergmannpc.com

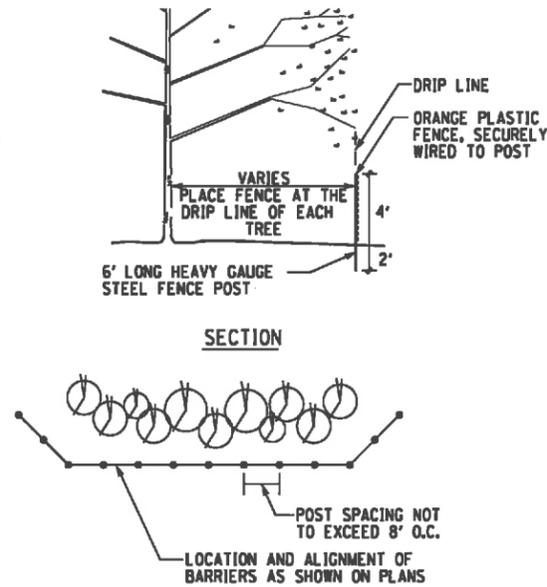
REVISIONS			
NO.	DATE	DESCRIPTION	REV. CK'D



NOTES:

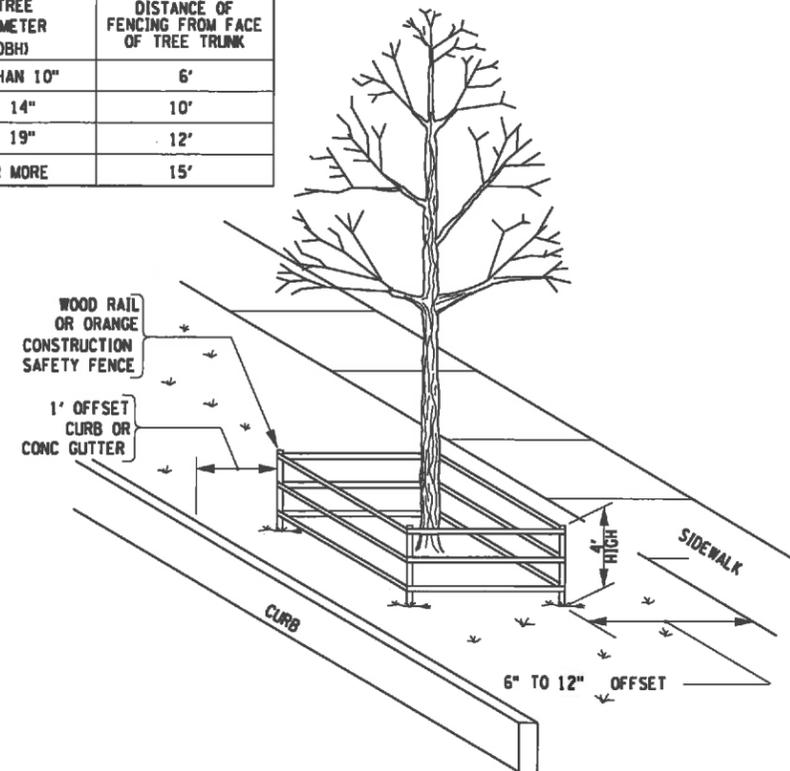
1. CONTRACTOR TO FURNISH AND INSTALL BOULDERS.
2. BOULDERS PROPOSED FOR USE ON TRAIL SHALL BE APPROVED BY ENGINEER PRIOR TO DELIVERY TO SITE.

LANDSCAPE BOULDER
ITEM 615.99060104
NO SCALE



VEGETATION PROTECTION FENCING
NO SCALE

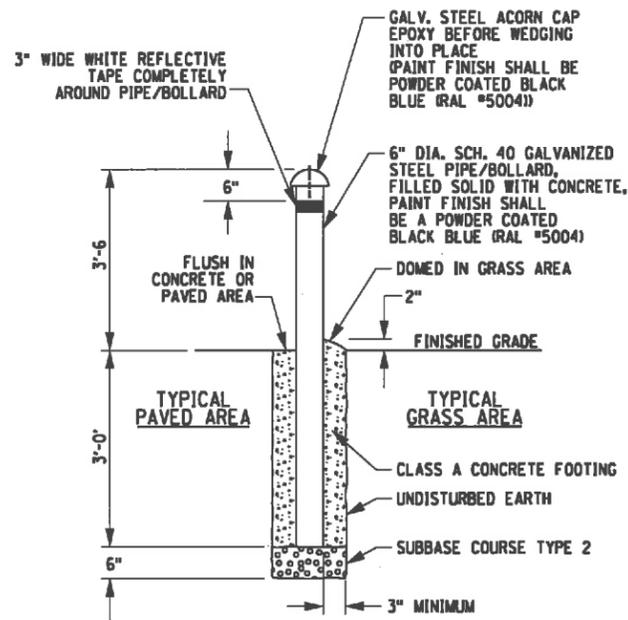
TREE DIAMETER (DBH)	DISTANCE OF FENCING FROM FACE OF TREE TRUNK
LESS THAN 10"	6'
10" - 14"	10'
15" - 19"	12'
20" OR MORE	15'



NOTES:

1. ALL TREES WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN, ARE TO RECEIVE THIS TREATMENT.
2. DO NOT LEAVE CONSTRUCTION EQUIPMENT RUNNING (IDLING) UNDER TREE CANOPY.

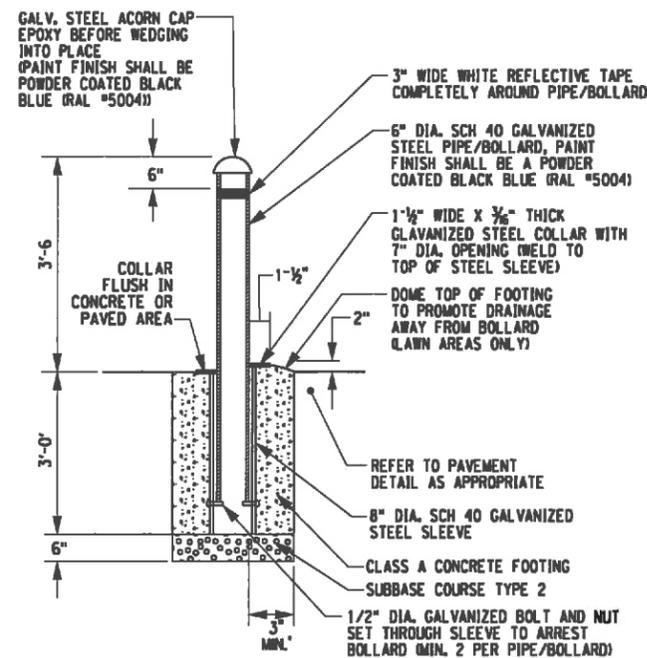
TREE PROTECTION
NO SCALE



NOTES:

1. ALL ITEMS ASSOCIATED WITH INSTALLATION OF FIXED BOLLARD INCLUDING EXCAVATION, SUBBASE AND CONCRETE FOOTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 608.72136108, EXCEPT THAT THE PAINTING OF GALVANIZED MATERIALS SHALL BE PAID FOR UNDER ITEM 657.020002.

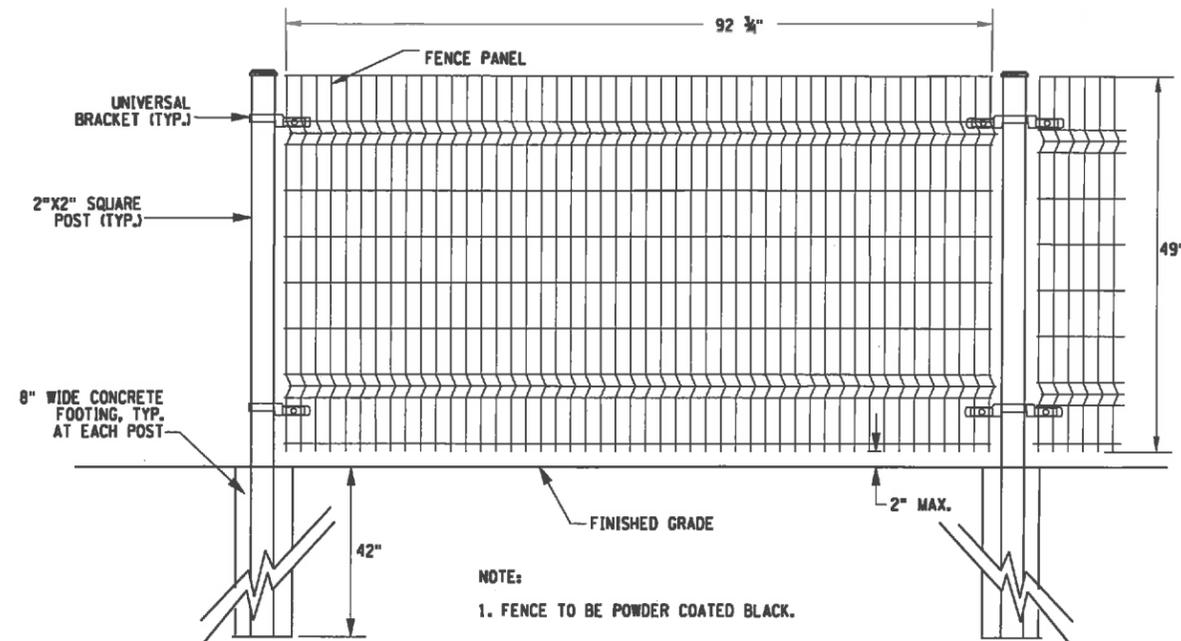
STEEL BOLLARD (FIXED)
ITEM 608.72136108
NO SCALE



NOTES:

1. WHEN BOLLARD IS TO BE INSTALLED IN GRASS, FOOTING SHALL BE EXTENDED TO FINISHED GRADE AND DOMED TO PROMOTE DRAINAGE AWAY FROM BOLLARD.
2. ALL ITEMS ASSOCIATED WITH INSTALLATION OF REMOVABLE BOLLARD INCLUDING EXCAVATION, SUBBASE AND CONCRETE FOOTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 608.73136108, EXCEPT THAT PAINTING OF GALVANIZED MATERIALS SHALL BE PAID FOR UNDER ITEM 657.020002.

STEEL BOLLARD (REMOVABLE)
ITEM 608.73136108
NO SCALE



NOTE:

1. FENCE TO BE POWDER COATED BLACK.

ORNAMENTAL STEEL MESH FENCE
ITEM 607.45120011
NO SCALE

PRE - PS&E SUBMISSION

XX/XX/XX
Date

LANDSCAPE DETAILS

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Project Manager: M.R.J.
Designed By: E.J.S.
Drawn By: E.F.H.
Checked By: M.R.J.
Drawing Number: LD-1

Project Number: 6081.10
Date Issued: JULY 19, 2013
Scale: NO SCALE

LD-1

Cayuga Waterfront Trail Phase 2

PIN 395047

City of Ithaca

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REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CK'D

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PRE - PS&E
SUBMISSION

XX/XX/XX
Date

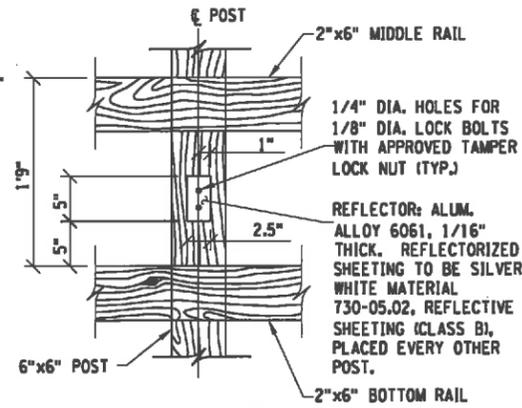
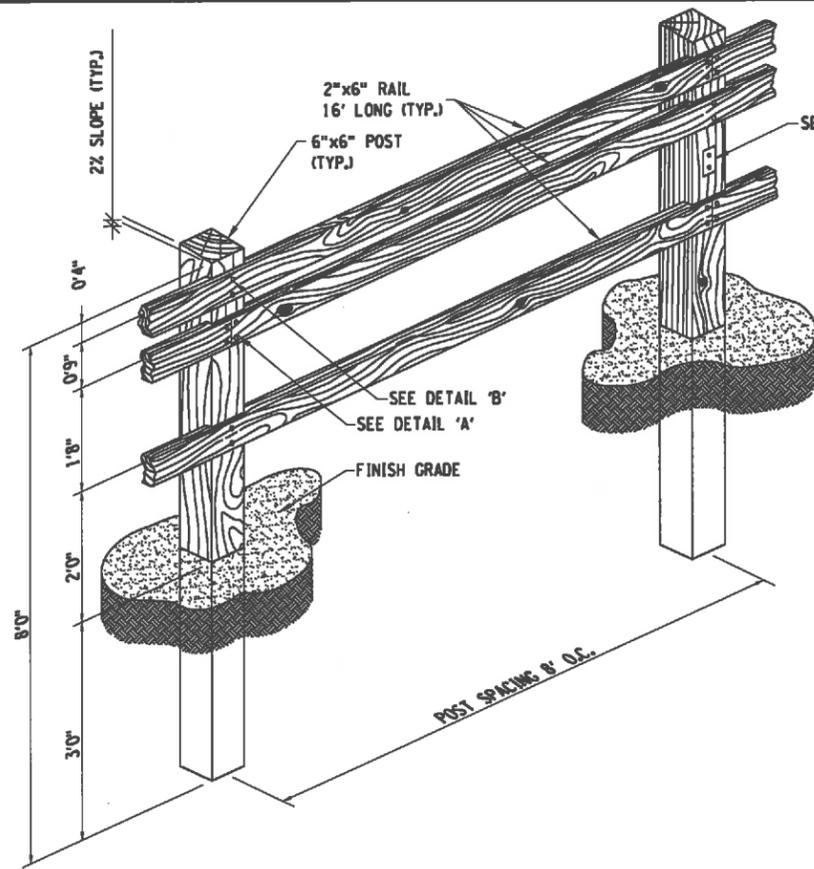
LANDSCAPE DETAILS

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Project Manager:
M.R.J.
Designed By:
E.J.S.
Drawn By:
E.F.H.
Checked By:
M.R.J.
Drawing Number:

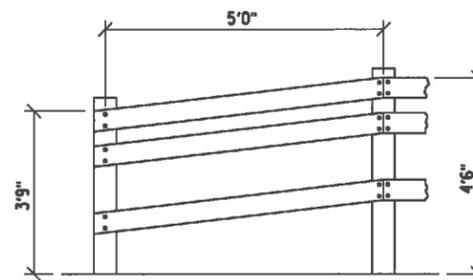
Project Number:
6081.10
Date Issued:
JULY 19, 2013
Scale:
NO SCALE

LD-2

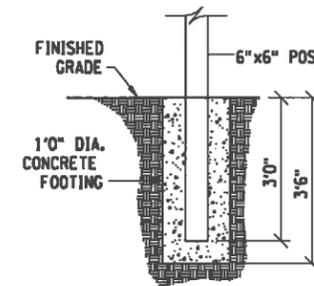


NOTES:

- RAIL TO BE PROVIDED IN SIXTEEN FOOT LENGTHS. INSTALLATION OF ENTIRE POST, AND RAIL FENCE SHALL BE PAID FOR UNDER ITEM 607.96010010
- SPLICES SHALL BE STAGGERED SO THAT NO MORE THAN ONE RAIL IS DISCONTINUOUS AT ANY GIVEN POST.
- ALL WOOD SHALL MEET SECTION 710-13 OF THE STANDARD SPECS.
- ONLY ONE WOOD TYPE SHALL BE USED IN THE FENCE.
- CONTRACTOR SHALL INSTALL REFLECTORS ONLY ON EACH POST OF PROPOSED WOOD FENCE THAT IS BORDERING A CURVE. COST TO BE INCLUDED UNDER ITEM 607.96010010.
- 3-RAIL WOOD FENCE SHALL BE PLACED A MINIMUM OF THREE FEET FROM THE EDGE OF TRAIL BACKUP. FOR A DISTANCE OF FIVE FEET, THE FENCE SHALL TAPER TO THE TWO FOOT BRIDGE RAIL OFFSET FROM THE EDGE OF TRAIL.
- LAST SECTION OF FENCE SHALL BE FLARED OUT A MIN. OF FIVE FEET FROM THE EDGE OF TRAIL.

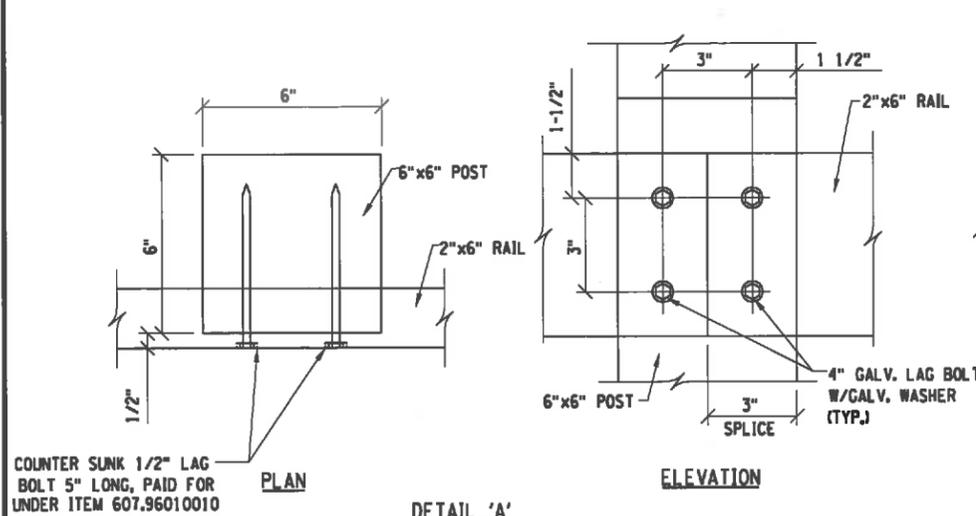


END/TRANSITION SECTION

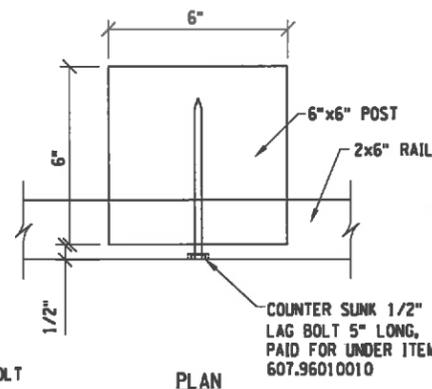


- INCLUDE THE COST OF THE CONCRETE FOOTING WORK IN THE COST FOR BID ITEM 607.96010010.

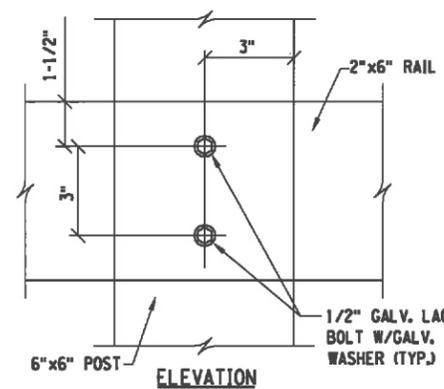
CONCRETE FOOTING DETAIL



DETAIL 'A'

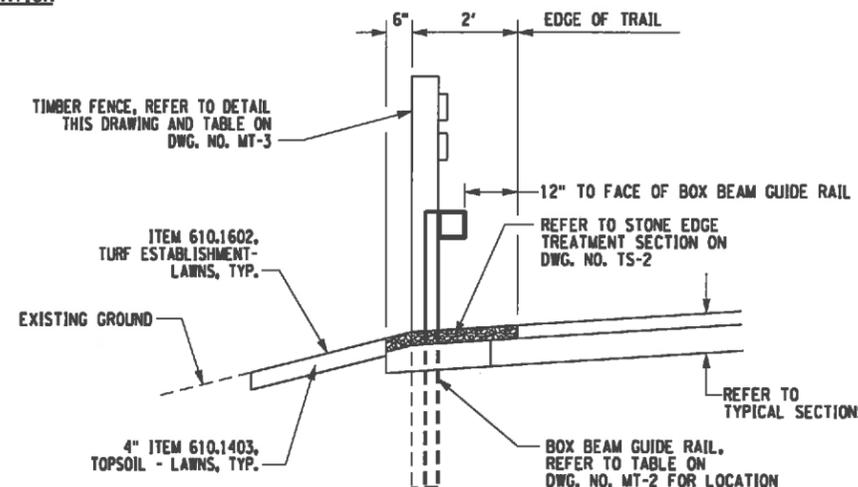


DETAIL 'B'



ELEVATION

DECORATIVE TIMBER RAIL
ITEM 607.96010010
NO SCALE



TIMBER RAIL & BOX BEAM INSTALLATION DETAIL
NO SCALE

Cayuga Waterfront Trail Phase 2

PIN 395047

City of Ithaca

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REVISIONS			
NO.	DATE	DESCRIPTION	REV. CKD

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PRE - PS&E
SUBMISSION

XX/XX/XX
Date

GENERAL PLAN

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Project Manager:
M.R.J.

Designed By:
R.J.S./D.W.T.

Drawn By:
D.W.T.

Checked By:
D.F.

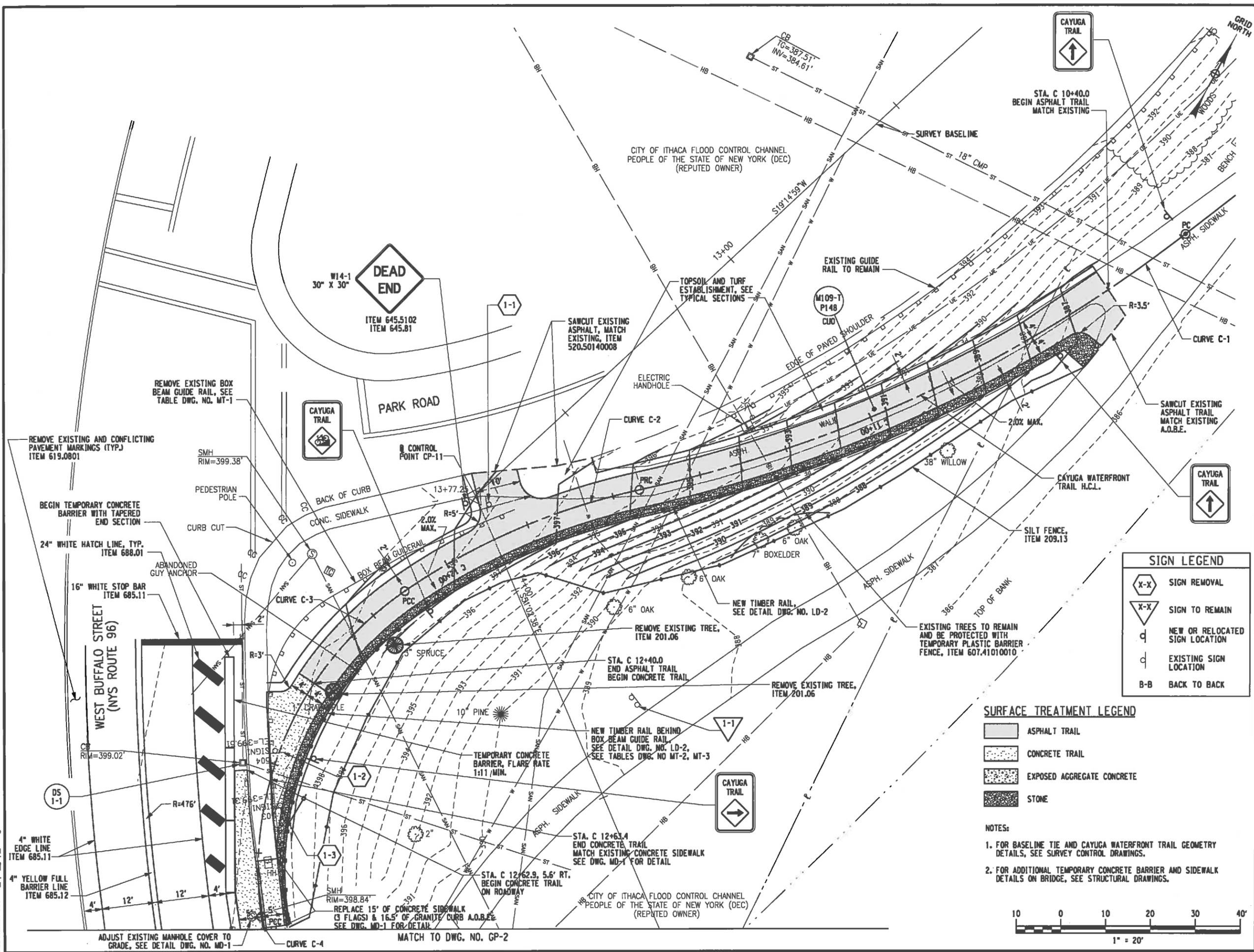
Drawing Number:

Project Number:
6091.10

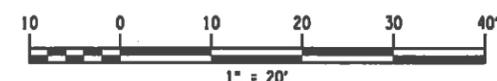
Date Issued:
JULY 19, 2013

Scale:
1" = 20'-0"

GP-1



Print Date: 10/2/2013
File Name: 609110_cph_gmp_01.dgn



Cayuga Waterfront Trail Phase 2

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**PRE - PS&E
SUBMISSION**

XX/XX/XX
Date

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Designed By:
R.J.S./D.W.T.

Drawn By:
D.W.T.

Checked By:
D.F.

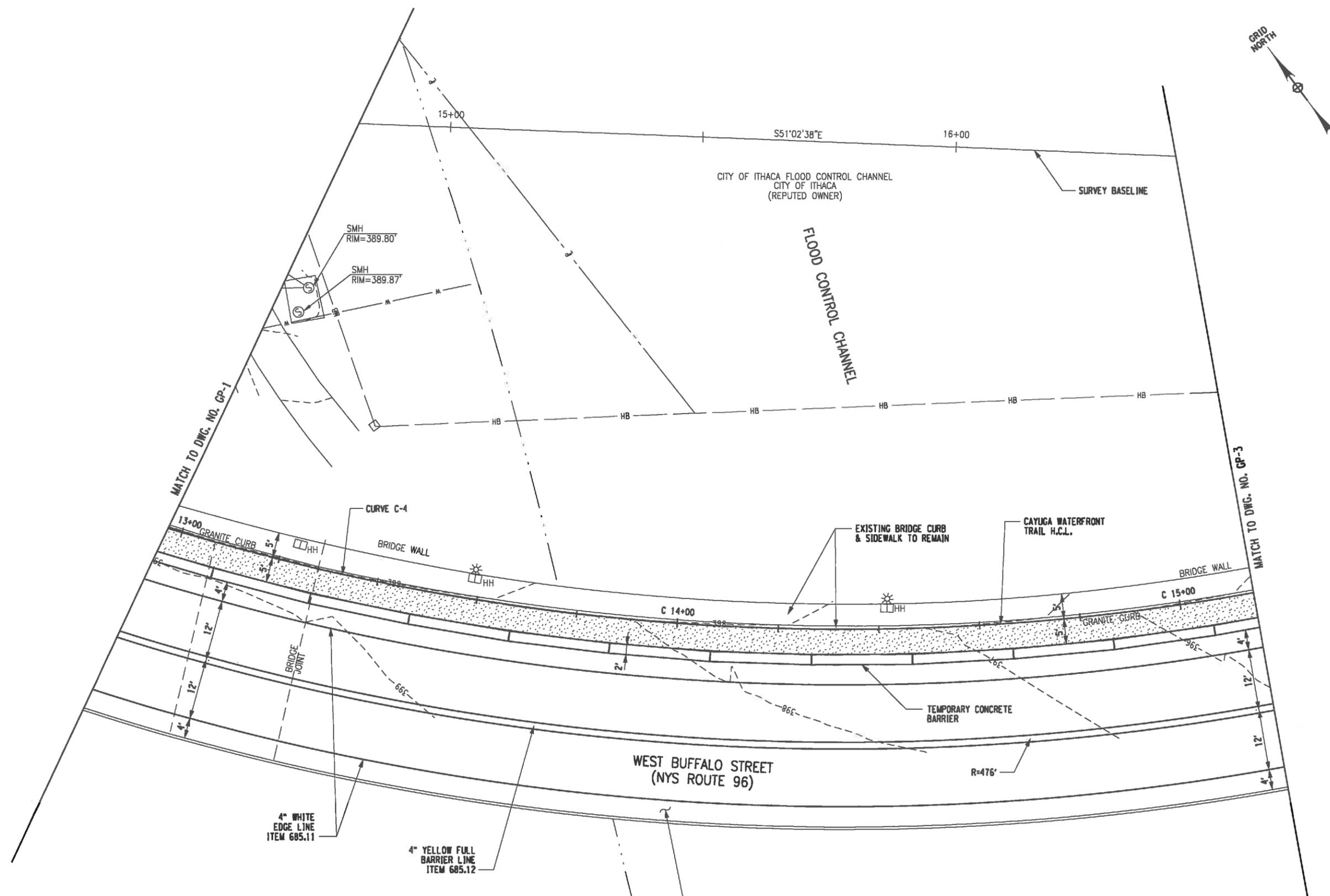
Drawing Number:

Project Number:
6091.10

Date Issued:
JULY 19, 2013

Scale:
1" = 20'-0"

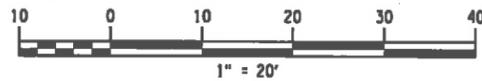
GP-2



- NOTES:**
- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
 - FOR ADDITIONAL TEMPORARY CONCRETE BARRIER AND SIDEWALK DETAILS ON BRIDGE, SEE STRUCTURAL DRAWINGS.

SURFACE TREATMENT LEGEND

-  ASPHALT TRAIL
-  CONCRETE TRAIL
-  EXPOSED AGGREGATE CONCRETE
-  STONE



Print Date: 10/2/2013
File Name: 609110_cph_gmp_02.dgn

Cayuga Waterfront Trail Phase 2

PIN 395047

City of Ithaca

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REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CK'D

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**PRE - PS&E
SUBMISSION**

XX/XX/XX
Date

GENERAL PLAN

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Project Manager:
M.R.J.

Designed By:
R.J.S./D.W.T.

Drawn By:
D.W.T.

Checked By:
D.F.

Drawing Number:

Project Number:
6081.10

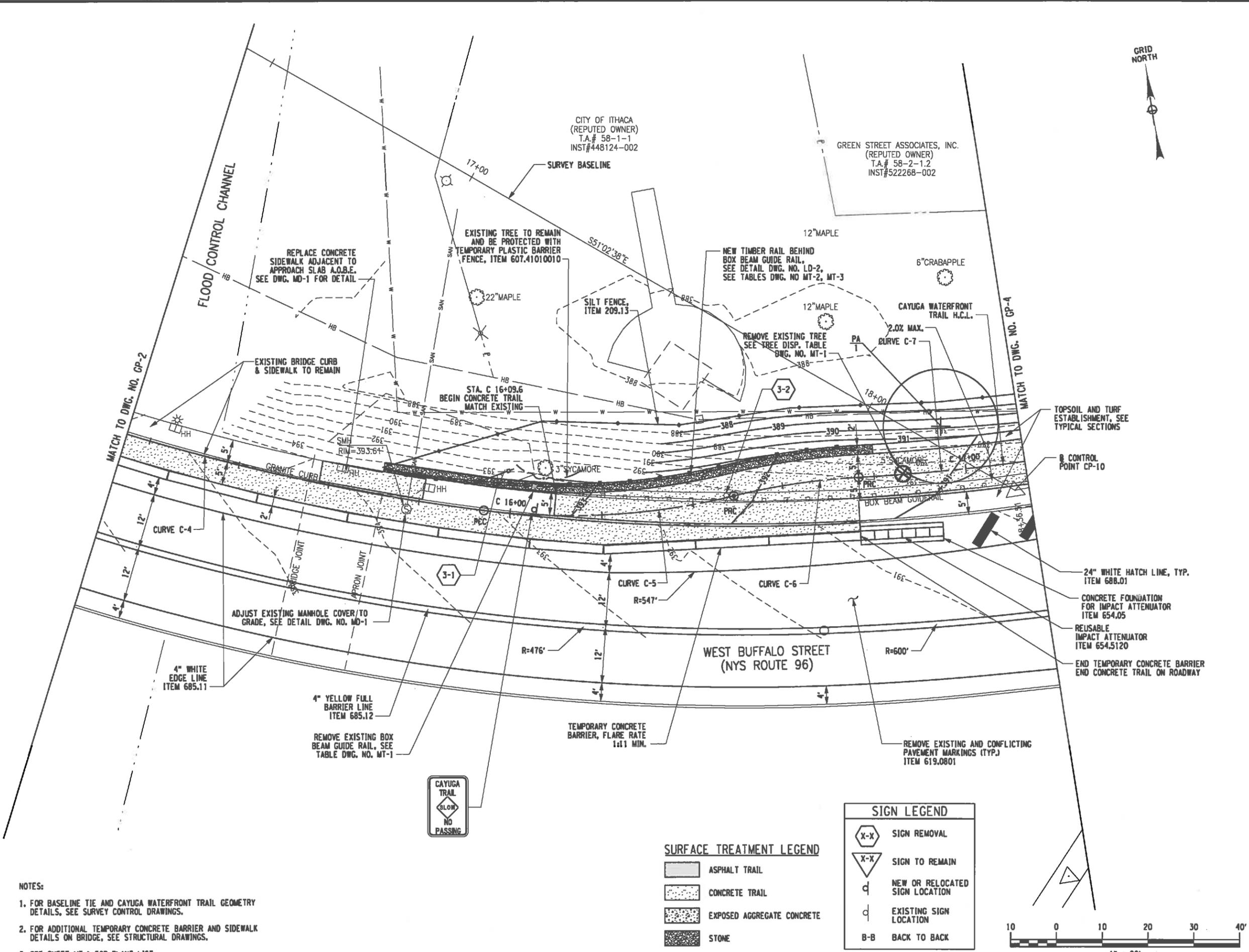
Date Issued:
JULY 19, 2013

Scale:
1" = 20'-0"

GP-3

27 of 51

Print Date: 10/2/2013
File Name: 608110_cpl_gmp_03.dgn



- NOTES:**
- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
 - FOR ADDITIONAL TEMPORARY CONCRETE BARRIER AND SIDEWALK DETAILS ON BRIDGE, SEE STRUCTURAL DRAWINGS.
 - SEE SHEET MT-1 FOR PLANT LIST.

SURFACE TREATMENT LEGEND

	ASPHALT TRAIL
	CONCRETE TRAIL
	EXPOSED AGGREGATE CONCRETE
	STONE

SIGN LEGEND

	SIGN REMOVAL
	SIGN TO REMAIN
	NEW OR RELOCATED SIGN LOCATION
	EXISTING SIGN LOCATION
	BACK TO BACK



Cayuga Waterfront Trail Phase 2

PIN 395047

City of Ithaca

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REVISIONS

NO.	DATE	DESCRIPTION	REV.	CHK'D

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**PRE - PS&E
SUBMISSION**

XXXXXX
Date

GENERAL PLAN

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Project Manager:
M.R.J.

Designed By:
R.J.S./D.W.T.

Drawn By:
D.W.T.

Checked By:
D.F.

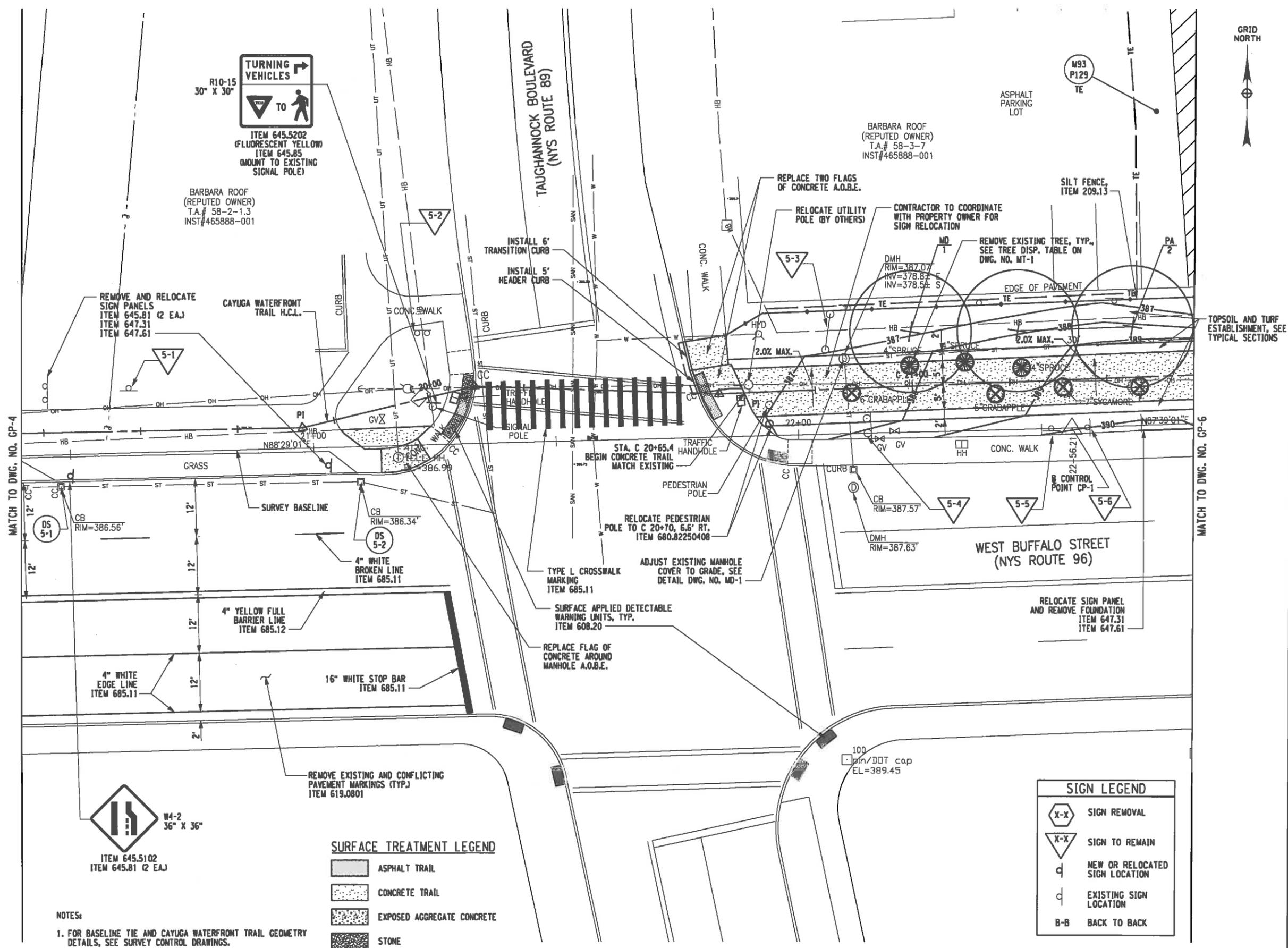
Drawing Number:

Project Number:
6091.10

Date Issued:
JULY 19, 2013

Scale:
1" = 20'-0"

GP-5



MATCH TO DWG. NO. GP-4

MATCH TO DWG. NO. GP-6

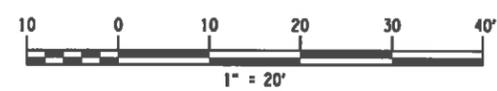
- NOTES:
- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
 - SEE SHEET MT-1 FOR PLANT LIST.

SURFACE TREATMENT LEGEND

	ASPHALT TRAIL
	CONCRETE TRAIL
	EXPOSED AGGREGATE CONCRETE
	STONE

SIGN LEGEND

	SIGN REMOVAL
	SIGN TO REMAIN
	NEW OR RELOCATED SIGN LOCATION
	EXISTING SIGN LOCATION
	BACK TO BACK



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REVISIONS				
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PRE - PS&E
SUBMISSION

XX/XX/XX
Date

GENERAL PLAN

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Project Manager:
M.R.J.

Designed By:
R.J.S./D.W.T.

Drawn By:
D.W.T.

Checked By:
D.F.

Drawing Number:

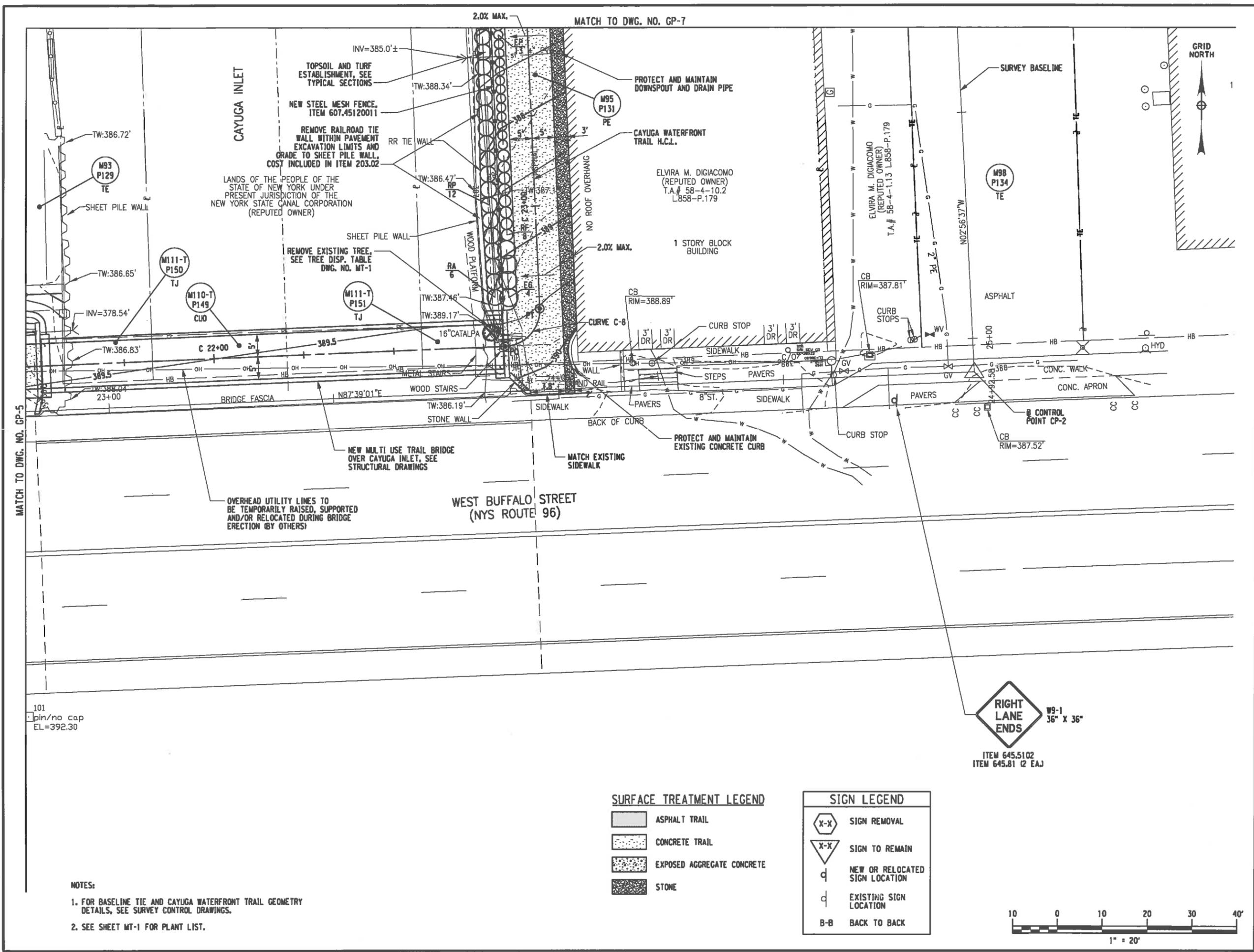
Project Number:
6091.10

Date Issued:
JULY 19, 2013

Scale:
1" = 20'-0"

GP-6

30 of 51



Print Date: 10/2/2013
File Name: 609110_cph_gmp_06.dgn

NOTES:

- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
- SEE SHEET MT-1 FOR PLANT LIST.

SURFACE TREATMENT LEGEND

- ASPHALT TRAIL
- CONCRETE TRAIL
- EXPOSED AGGREGATE CONCRETE
- STONE

SIGN LEGEND

- SIGN REMOVAL
- SIGN TO REMAIN
- NEW OR RELOCATED SIGN LOCATION
- EXISTING SIGN LOCATION
- BACK TO BACK



NOTES:

1. FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.

2. SEE SHEET MT-1 FOR PLANT LIST.

SURFACE TREATMENT LEGEND

-  ASPHALT TRAIL
-  CONCRETE TRAIL
-  EXPOSED AGGREGATE CONCRETE
-  STONE

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REVISIONS

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PRE - PS&E SUBMISSION

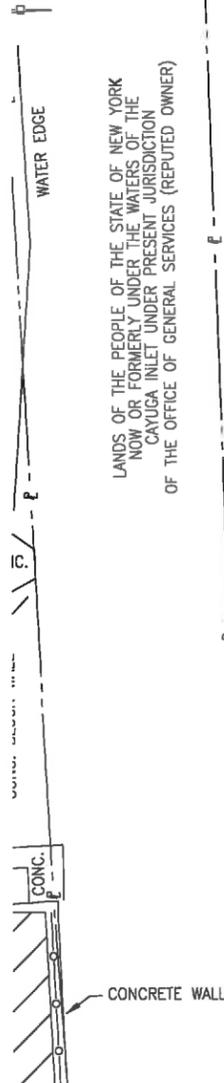
XX/XX/XX
Date

GENERAL PLAN

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Project Manager: M.R.J.
Designed By: R.J.S./D.W.T.
Drawn By: D.W.T.
Checked By: D.F.
Project Number: 6091.10
Date Issued: JULY 19, 2013
Scale: 1" = 20'-0"
Drawing Number:

GP-7



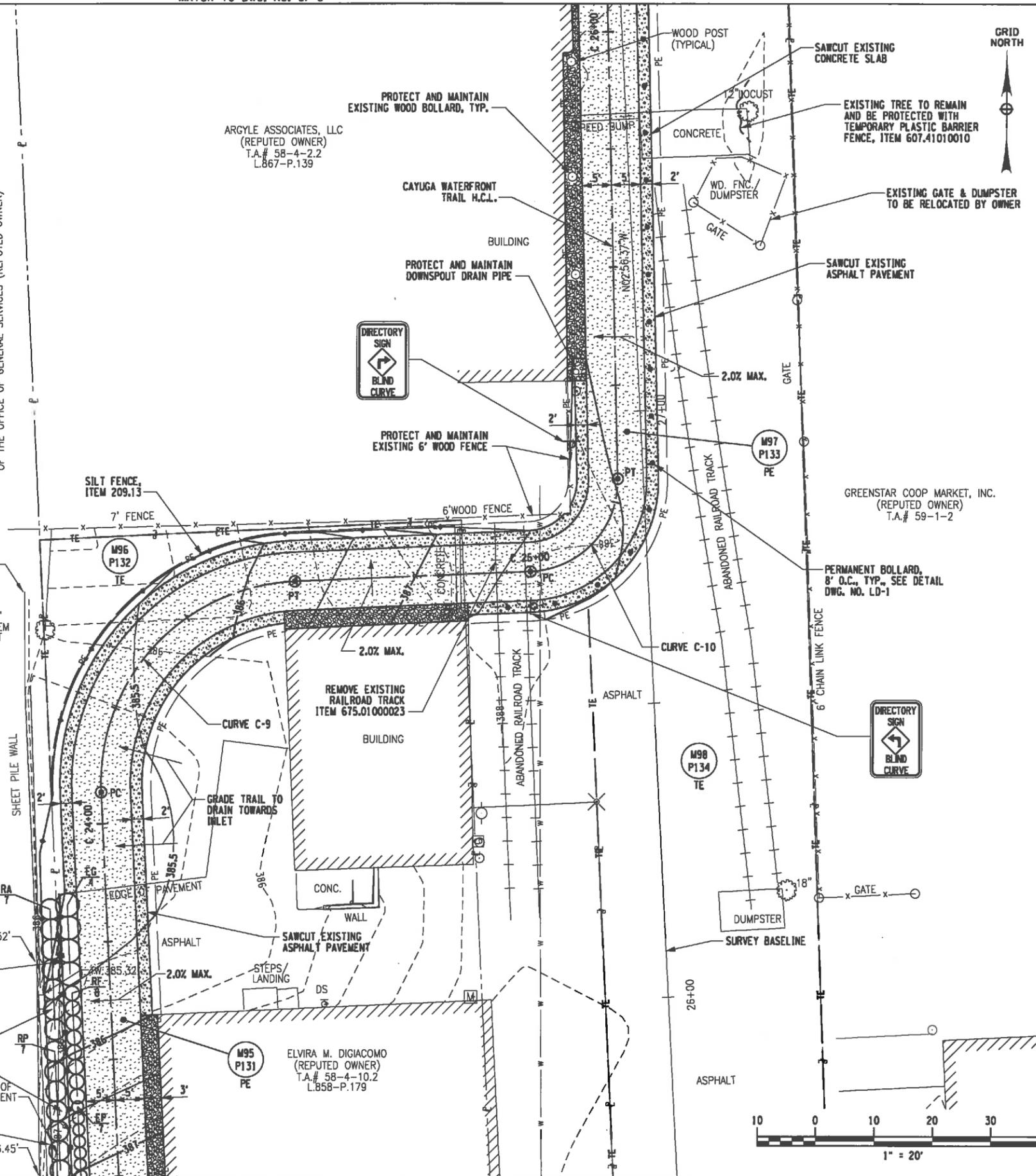
LANDS OF THE PEOPLE OF THE STATE OF NEW YORK NOW OR FORMERLY UNDER THE WATERS OF THE CAYUGA INLET UNDER PRESENT JURISDICTION OF THE OFFICE OF GENERAL SERVICES (REPUTED OWNER)

CAYUGA INLET
TW:386.61'
8" - 24" MULTISTEM LOCUST
TW:386.52'
NEW STEEL MESH FENCE, ITEM 607.45120011
TOPSOIL AND TURF ESTABLISHMENT, SEE TYPICAL SECTIONS
REMOVE RAILROAD TIE WALL, GRADE TO SHEET PILE WALL, COST TO BE INCLUDED IN ITEM 203.02
TW:386.45'

LANDS OF THE PEOPLE OF THE STATE OF NEW YORK NOW OR FORMERLY UNDER THE WATERS OF THE CAYUGA INLET UNDER PRESENT JURISDICTION OF THE OFFICE OF GENERAL SERVICES (REPUTED OWNER)

ARGYLE ASSOCIATES, LLC (REPUTED OWNER)
T.A.# 58-4-2.2
L.867-P.139

ELVIRA M. DIGIACOMO (REPUTED OWNER)
T.A.# 58-4-10.2
L.858-P.179



Cayuga Waterfront Trail Phase 2

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**PRE - PS&E
SUBMISSION**

XX/XX/XX
Date

GENERAL PLAN

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Project Manager:
M.R.J.

Designed By:
R.J.S./D.W.T.

Drawn By:
D.W.T.

Checked By:
D.F.

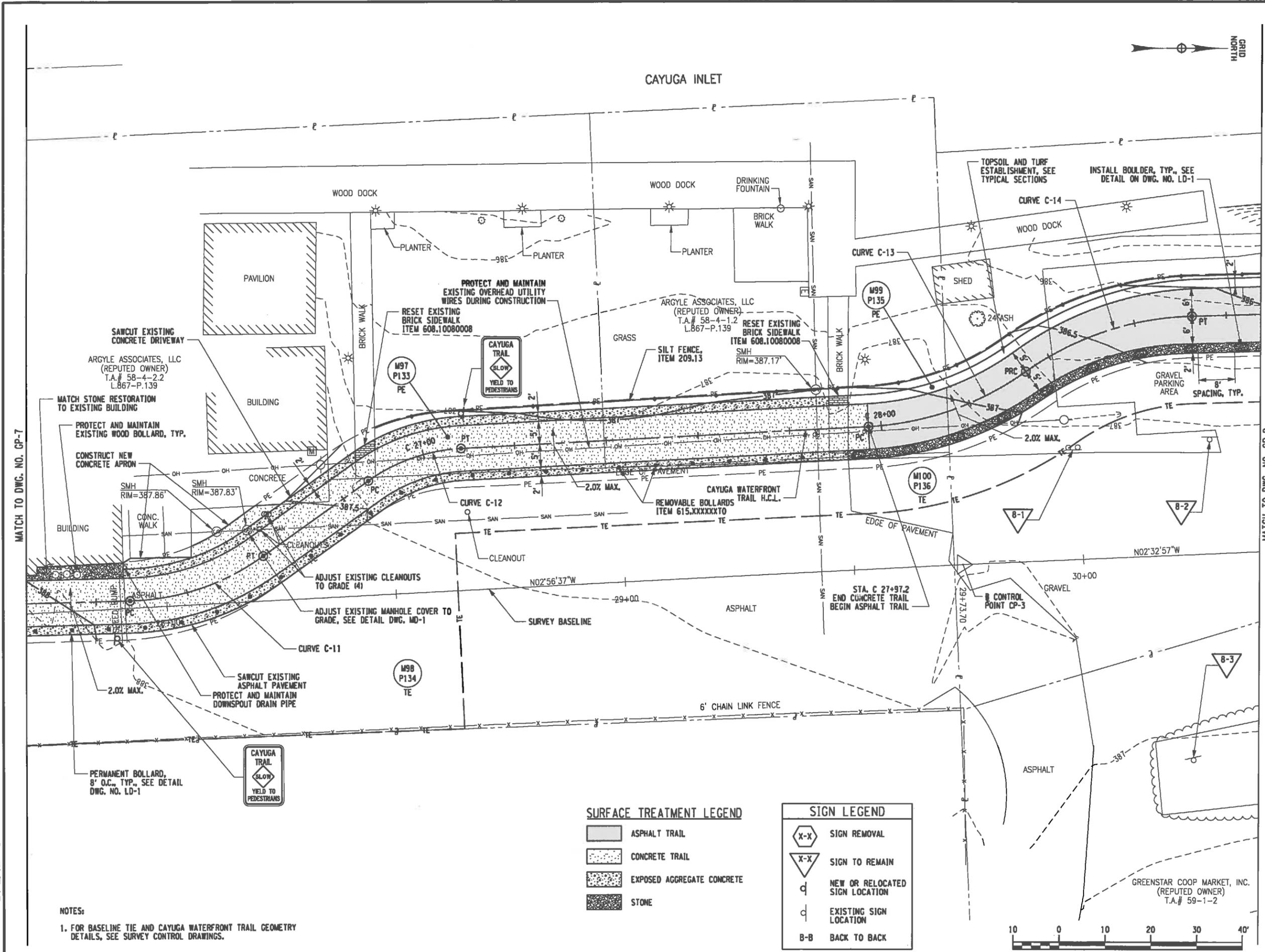
Drawing Number:

Project Number:
8091.10

Date Issued:
JULY 19, 2013

Scale:
1" = 20'-0"

GP-8

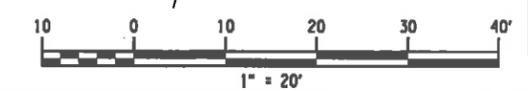


SURFACE TREATMENT LEGEND

	ASPHALT TRAIL
	CONCRETE TRAIL
	EXPOSED AGGREGATE CONCRETE
	STONE

SIGN LEGEND

	SIGN REMOVAL
	SIGN TO REMAIN
	NEW OR RELOCATED SIGN LOCATION
	EXISTING SIGN LOCATION
B-B	BACK TO BACK



Print Date: 10/2/2013
File Name: 609110_cph_gmp_08.dgn

NOTES:
1. FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.

Cayuga Waterfront Trail Phase 2

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SUBMISSION**

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D.W.T.
Checked By:
D.F.
Drawing Number:

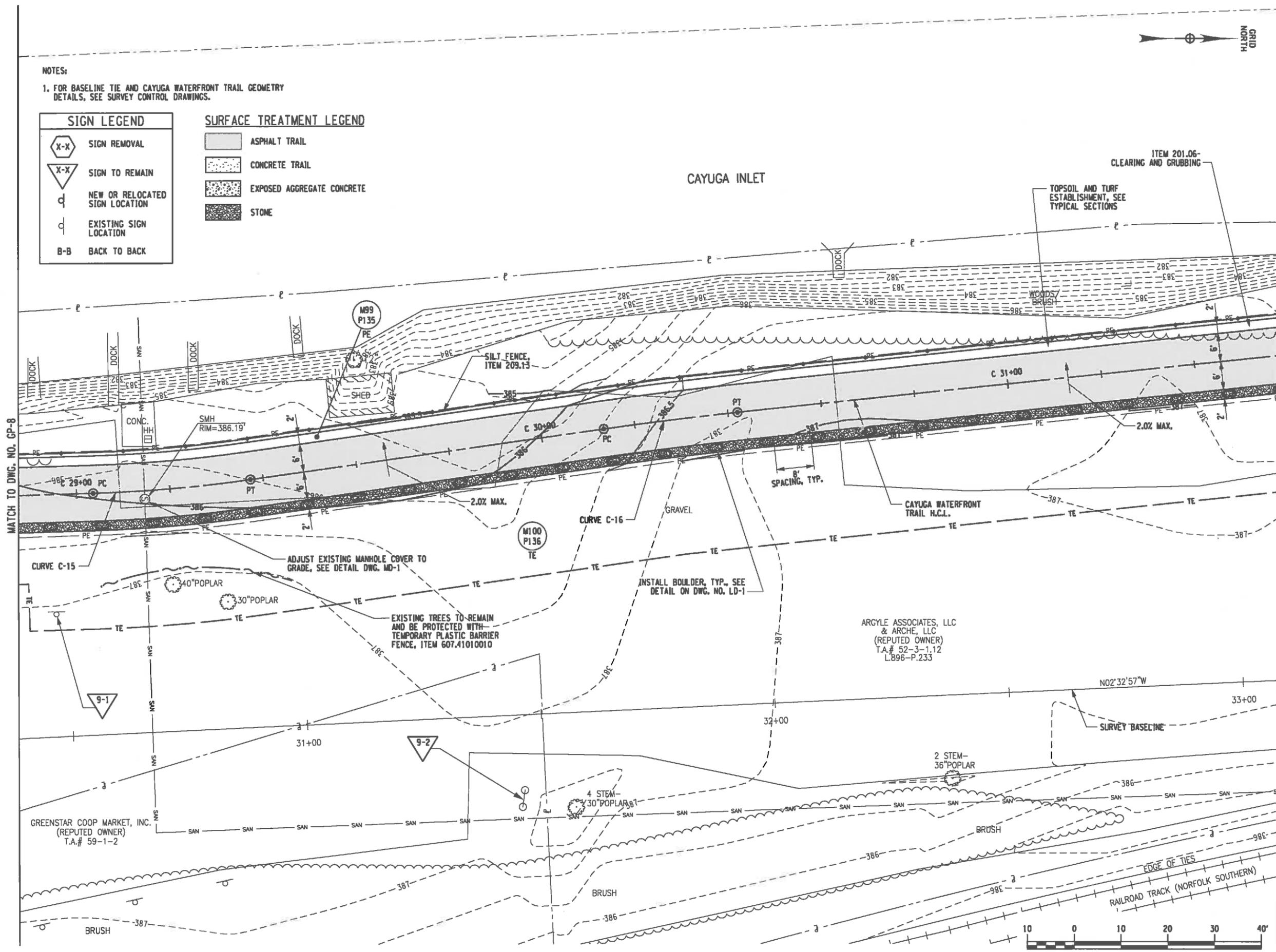
Project Number:
6091.10
Date Issued:
JULY 19, 2013
Scale:
1" = 20'-0"

GP-9

NOTES:
1. FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.

SIGN LEGEND	
	SIGN REMOVAL
	SIGN TO REMAIN
	NEW OR RELOCATED SIGN LOCATION
	EXISTING SIGN LOCATION
B-B	BACK TO BACK

SURFACE TREATMENT LEGEND	
	ASPHALT TRAIL
	CONCRETE TRAIL
	EXPOSED AGGREGATE CONCRETE
	STONE



Cayuga Waterfront Trail Phase 2

PIN 395047

City of Ithaca

City Hall
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Ithaca, NY 14850

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office: 585.232.5135
fax: 585.232.4852

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REVISIONS

NO.	DATE	DESCRIPTION	REV.	CR'D

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PRE - PS&E
SUBMISSION

XX/XX/XX
Date

GENERAL PLAN

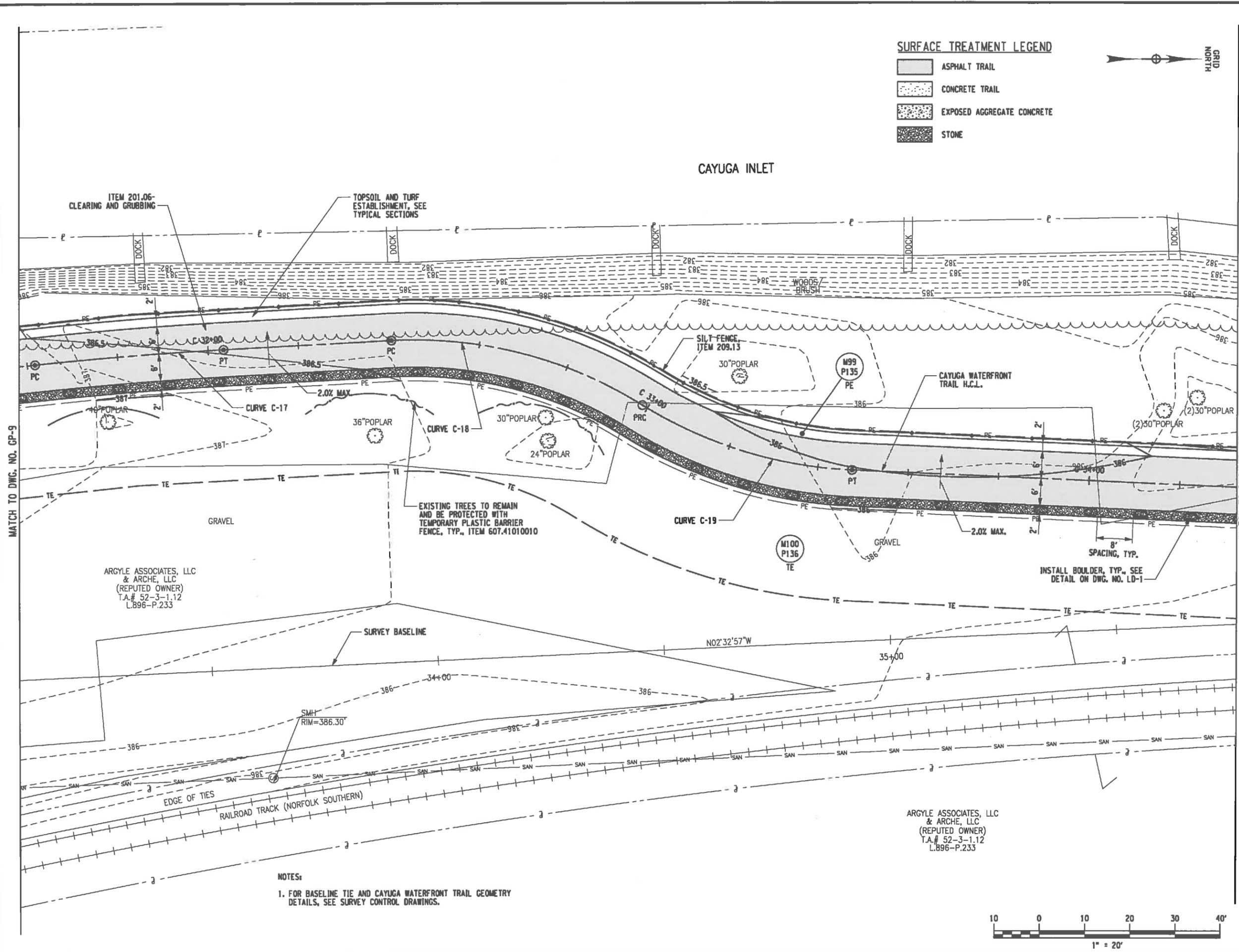
Unauthorized alteration or addition to this drawing is a violation of the New York State Education Law Article 145, Section 7209.

Project Manager:
M.R.J.
Designed By:
R.J.S./D.W.T.
Drawn By:
D.W.T.
Checked By:
D.F.
Project Number:
8091.10
Date Issued:
JULY 19, 2013
Scale:
1" = 20'-0"

Drawing Number:

GP-10

34 of 51



Cayuga Waterfront Trail Phase 2

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**PRE - PS&E
SUBMISSION**

XXXXXX
Date

GENERAL PLAN

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Project Manager:
M.R.J.
Designed By:
R.J.S./D.W.T.
Drawn By:
D.W.T.
Checked By:
D.F.
Drawing Number:
GP-11

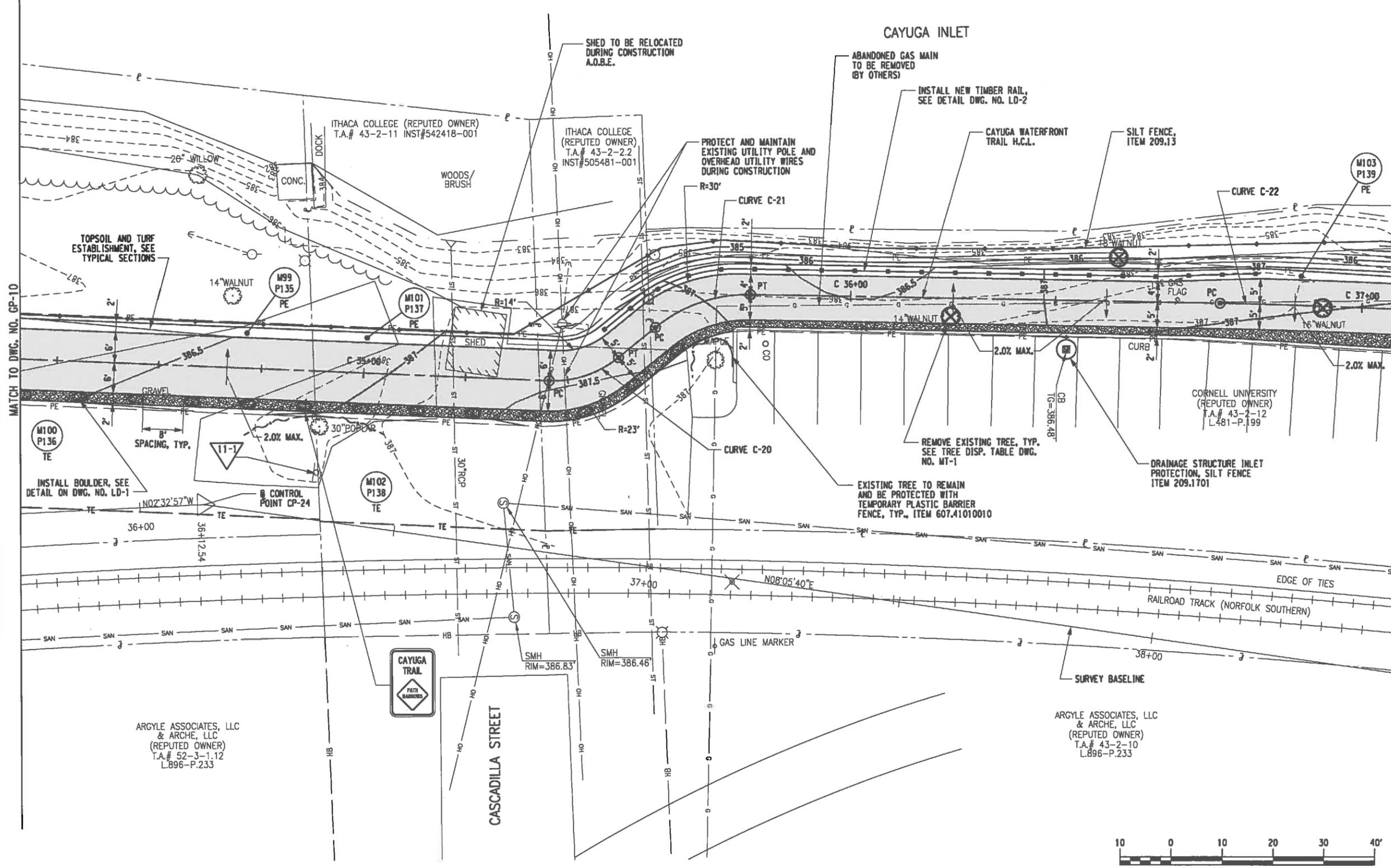
Project Number:
8091.10
Date Issued:
JULY 19, 2013
Scale:
1" = 20'-0"

GP-11

NOTES:
1. FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.

SURFACE TREATMENT LEGEND

-  ASPHALT TRAIL
-  CONCRETE TRAIL
-  EXPOSED AGGREGATE CONCRETE
-  STONE



Print Date: 10/2/2013
File Name: 608110_cph_gmp_11.dgn

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**PRE - PS&E
SUBMISSION**

XX/XX/XX
Date

GENERAL PLAN

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Project Manager:
M.F.J.

Designed By:
R.J.S./D.W.T.

Drawn By:
D.W.T.

Checked By:
D.F.

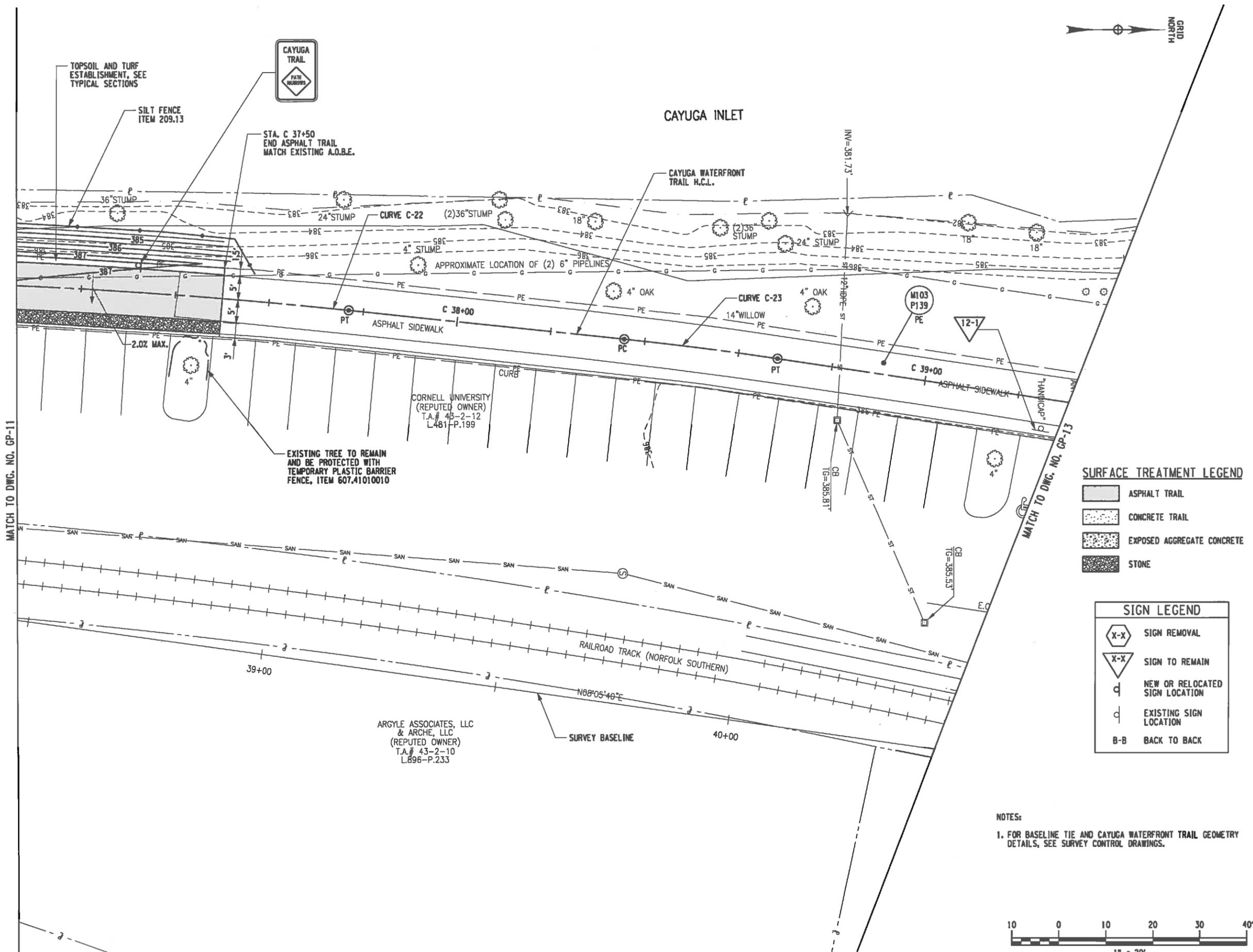
Drawing Number:

Project Number:
6091.10

Date Issued:
JULY 19, 2013

Scale:
1" = 20'-0"

GP-12



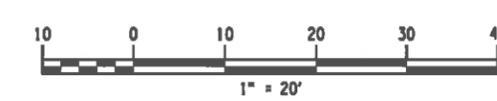
SURFACE TREATMENT LEGEND

	ASPHALT TRAIL
	CONCRETE TRAIL
	EXPOSED AGGREGATE CONCRETE
	STONE

SIGN LEGEND

	SIGN REMOVAL
	SIGN TO REMAIN
	NEW OR RELOCATED SIGN LOCATION
	EXISTING SIGN LOCATION
	BACK TO BACK

NOTES:
1. FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.



Print Date: 10/2/2013
File Name: 609110_cph_gmp_12.dgn

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**PRE - PS&E
SUBMISSION**

XX/XX/XX
Date

GENERAL PLAN

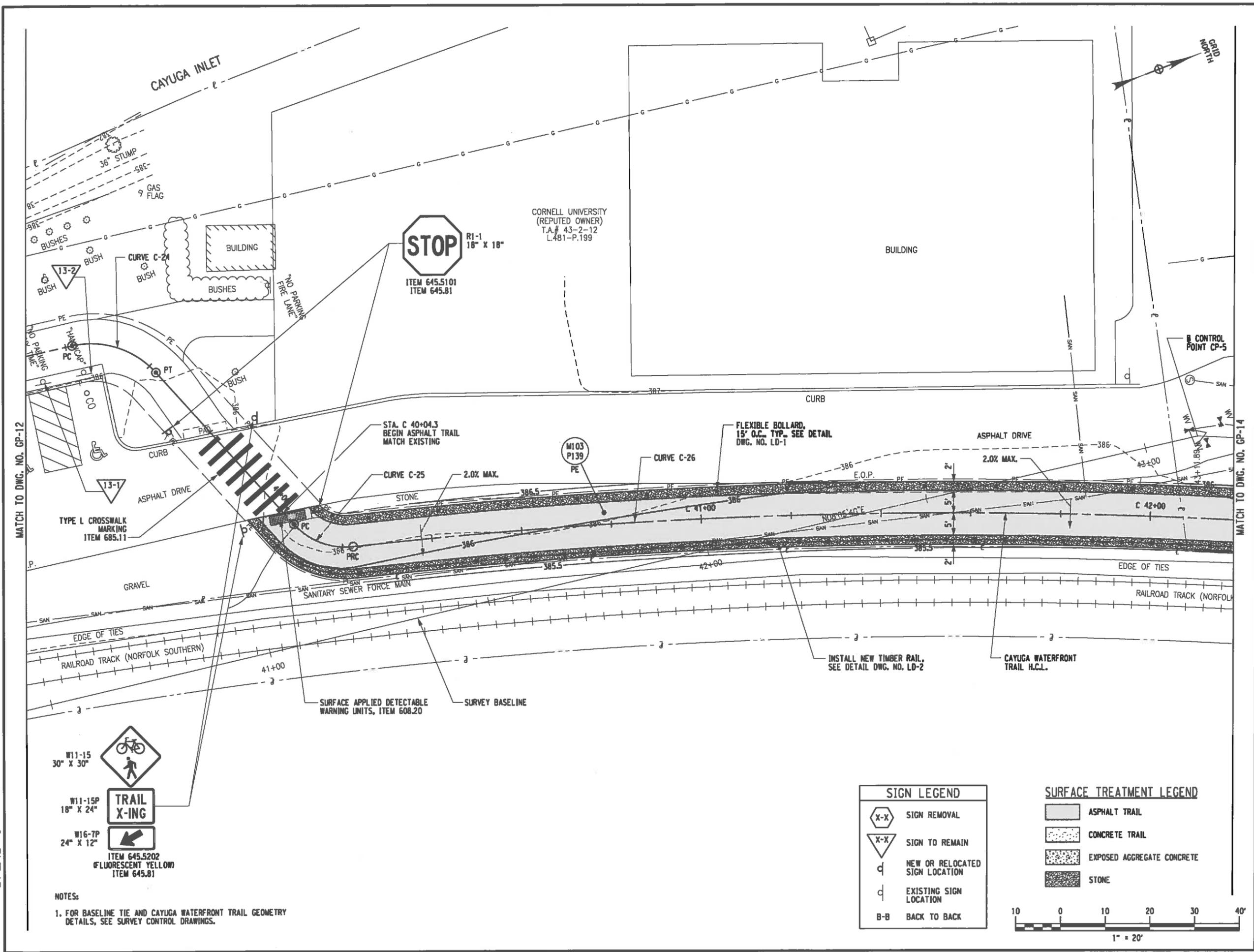
Unauthorized alteration or addition to this drawing is a violation of the New York State Education Law Article 145, Section 7209.

Project Manager:
M.R.J.
Designed By:
R.J.S./D.W.T.
Drawn By:
D.W.T.
Checked By:
D.J.F.

Project Number:
6091.10
Date Issued:
JULY 19, 2013
Scale:
1" = 20'-0"

Drawing Number:

GP-13

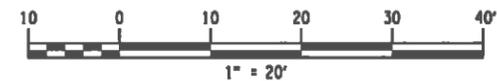


STOP
R1-1
18" X 18"
ITEM 645.5101
ITEM 645.81

CORNELL UNIVERSITY
(REPUTED OWNER)
T.A.# 43-2-12
L.481-P.199

SIGN LEGEND	
	SIGN REMOVAL
	SIGN TO REMAIN
	NEW OR RELOCATED SIGN LOCATION
	EXISTING SIGN LOCATION
	BACK TO BACK

SURFACE TREATMENT LEGEND	
	ASPHALT TRAIL
	CONCRETE TRAIL
	EXPOSED AGGREGATE CONCRETE
	STONE



W11-15
30" X 30"

W11-15P
18" X 24"

TRAIL X-ING

W16-7P
24" X 12"

ITEM 645.5202
FLUORESCENT YELLOW
ITEM 645.81

NOTES:
1. FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.

Cayuga Waterfront Trail Phase 2

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REVISIONS				
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**PRE - PS&E
SUBMISSION**

XX/XX/XX
Date

GENERAL PLAN

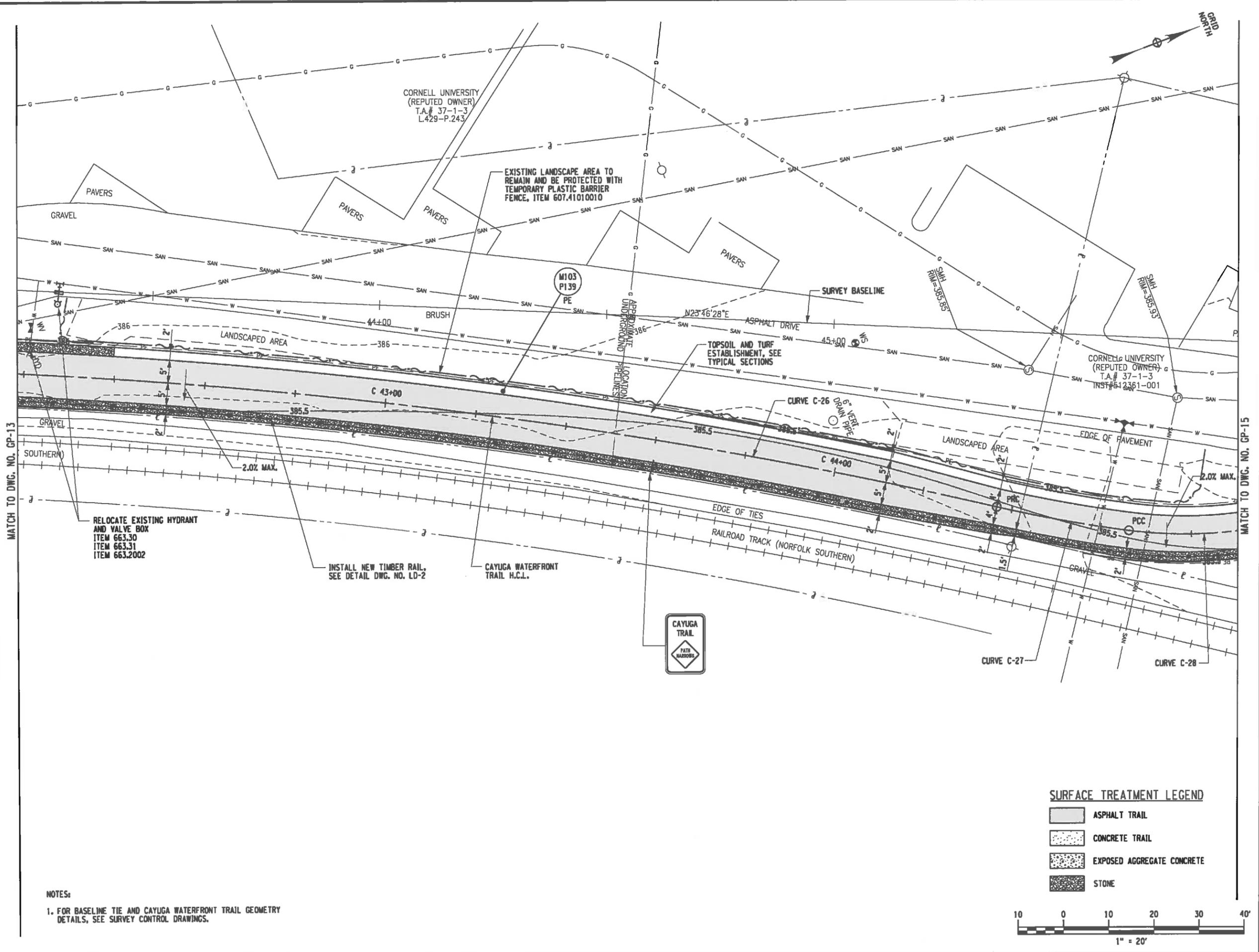
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Project Manager: M.R.J.
Designed By: R.J.S./D.W.T.
Drawn By: D.W.T.
Checked By: D.F.

Project Number: 6091.10
Date Issued: JULY 19, 2013
Scale: 1" = 20'-0"

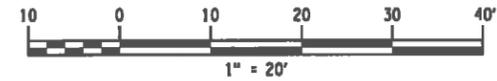
Drawing Number:

GP-14



SURFACE TREATMENT LEGEND

- ASPHALT TRAIL
- CONCRETE TRAIL
- EXPOSED AGGREGATE CONCRETE
- STONE



NOTES:
1. FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.

Cayuga Waterfront Trail Phase 2

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REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CKD

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PRE - PS&E SUBMISSION

XX/XX/XX
Date

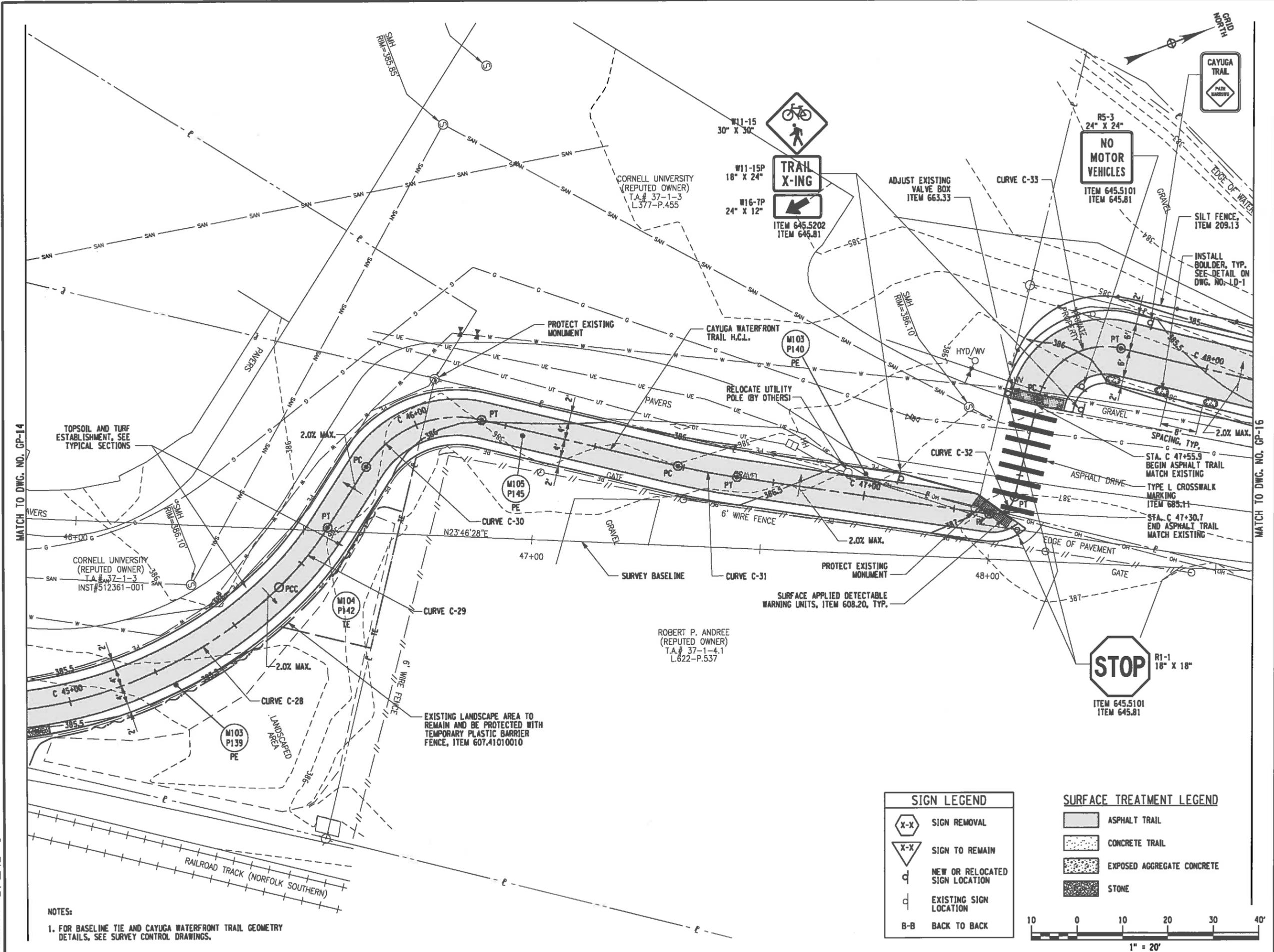
GENERAL PLAN

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Project Manager: M.R.J.
Designed By: R.J.S./D.W.T.
Drawn By: D.W.T.
Checked By: D.F.
Project Number: 6081.10
Date Issued: JULY 19, 2013
Scale: 1" = 20'-0"

Drawing Number:

GP-15



SIGN LEGEND	
	SIGN REMOVAL
	SIGN TO REMAIN
	NEW OR RELOCATED SIGN LOCATION
	EXISTING SIGN LOCATION
	BACK TO BACK

SURFACE TREATMENT LEGEND	
	ASPHALT TRAIL
	CONCRETE TRAIL
	EXPOSED AGGREGATE CONCRETE
	STONE



NOTES:
1. FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.

Print Date: 10/2/2013
File Name: 608110_gph_gmp_15.dgn

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**PRE - PS&E
SUBMISSION**

XXXXXX
Date

GENERAL PLAN

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Project Manager:
M.R.J.
Designed By:
R.J.S./D.W.T.
Drawn By:
D.W.T.
Checked By:
D.F.
Project Number:
6091.10
Date Issued:
JULY 19, 2013
Scale:
1" = 20'-0"

Drawing Number:

GP-16

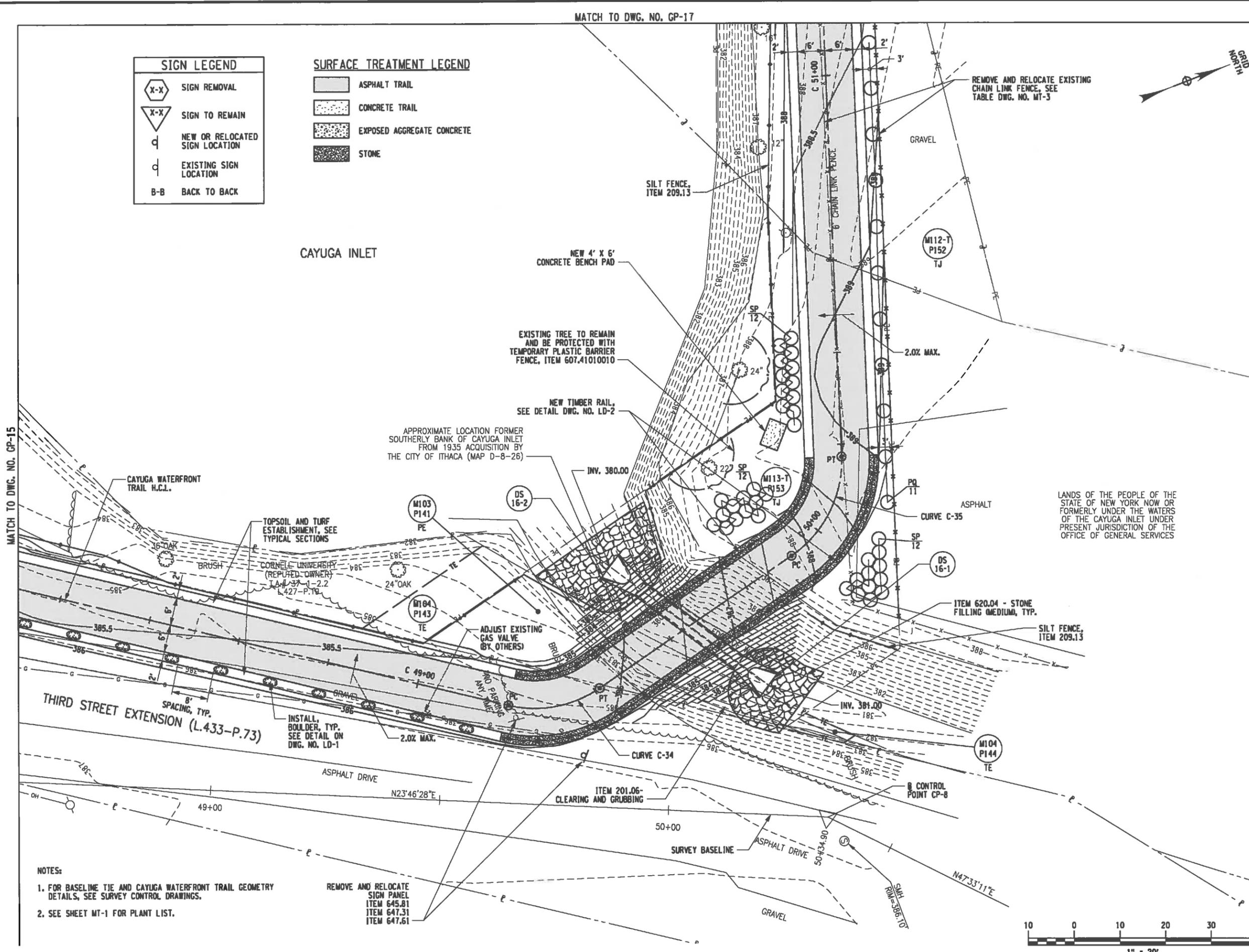
40 of 51

MATCH TO DWG. NO. GP-17

SIGN LEGEND	
	SIGN REMOVAL
	SIGN TO REMAIN
	NEW OR RELOCATED SIGN LOCATION
	EXISTING SIGN LOCATION
	BACK TO BACK

SURFACE TREATMENT LEGEND

	ASPHALT TRAIL
	CONCRETE TRAIL
	EXPOSED AGGREGATE CONCRETE
	STONE



- NOTES:
- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
 - SEE SHEET MT-1 FOR PLANT LIST.

REMOVE AND RELOCATE SIGN PANEL
ITEM 645.81
ITEM 647.31
ITEM 647.61



Print Date: 10/2/2013
File Name: 608110_cph_gmp_16.dgn

Cayuga Waterfront Trail Phase 2

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REVISIONS			
NO.	DATE	DESCRIPTION	REV. CRD.

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PRE - PS&E SUBMISSION

XXXXXX
Date

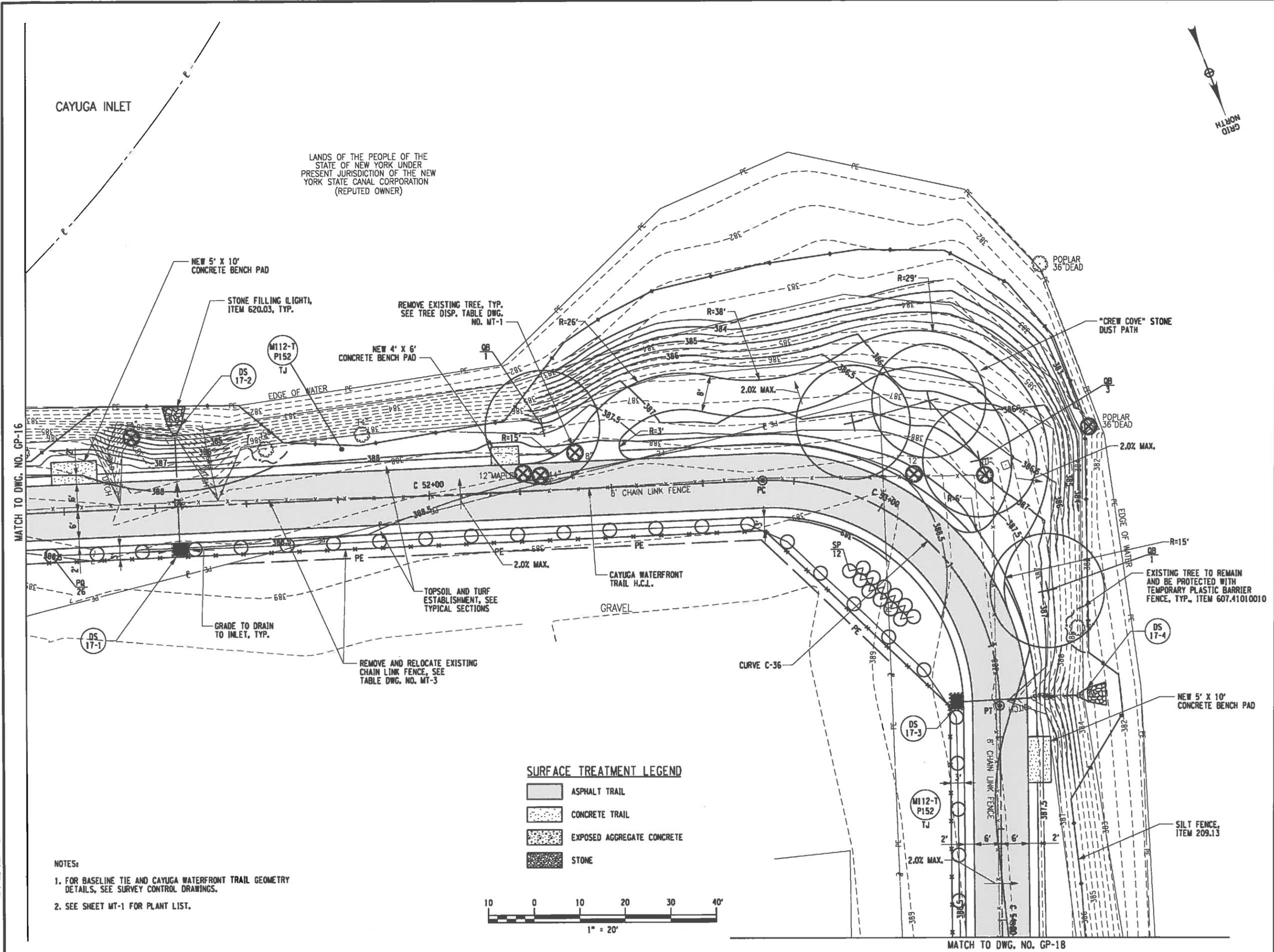
GENERAL PLAN

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Project Manager:
M.R.J.
Designed By:
R.J.S./D.W.T.
Drawn By:
D.W.T.
Checked By:
D.F.
Project Number:
6091.10
Date Issued:
JULY 19, 2013
Scale:
1" = 20'-0"

Drawing Number:

GP-17



Print Date: 10/2/2013
File Name: 609110_cph_gmp_17.dgn

- NOTES:
- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
 - SEE SHEET MT-1 FOR PLANT LIST.

SURFACE TREATMENT LEGEND

- ASPHALT TRAIL
- CONCRETE TRAIL
- EXPOSED AGGREGATE CONCRETE
- STONE

10 0 10 20 30 40'
1" = 20'

Cayuga Waterfront Trail Phase 2

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**PRE - PS&E
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Project Manager:
M.R.J.
Designed By:
R.J.S./D.W.T.
Drawn By:
D.W.T.
Checked By:
D.F.

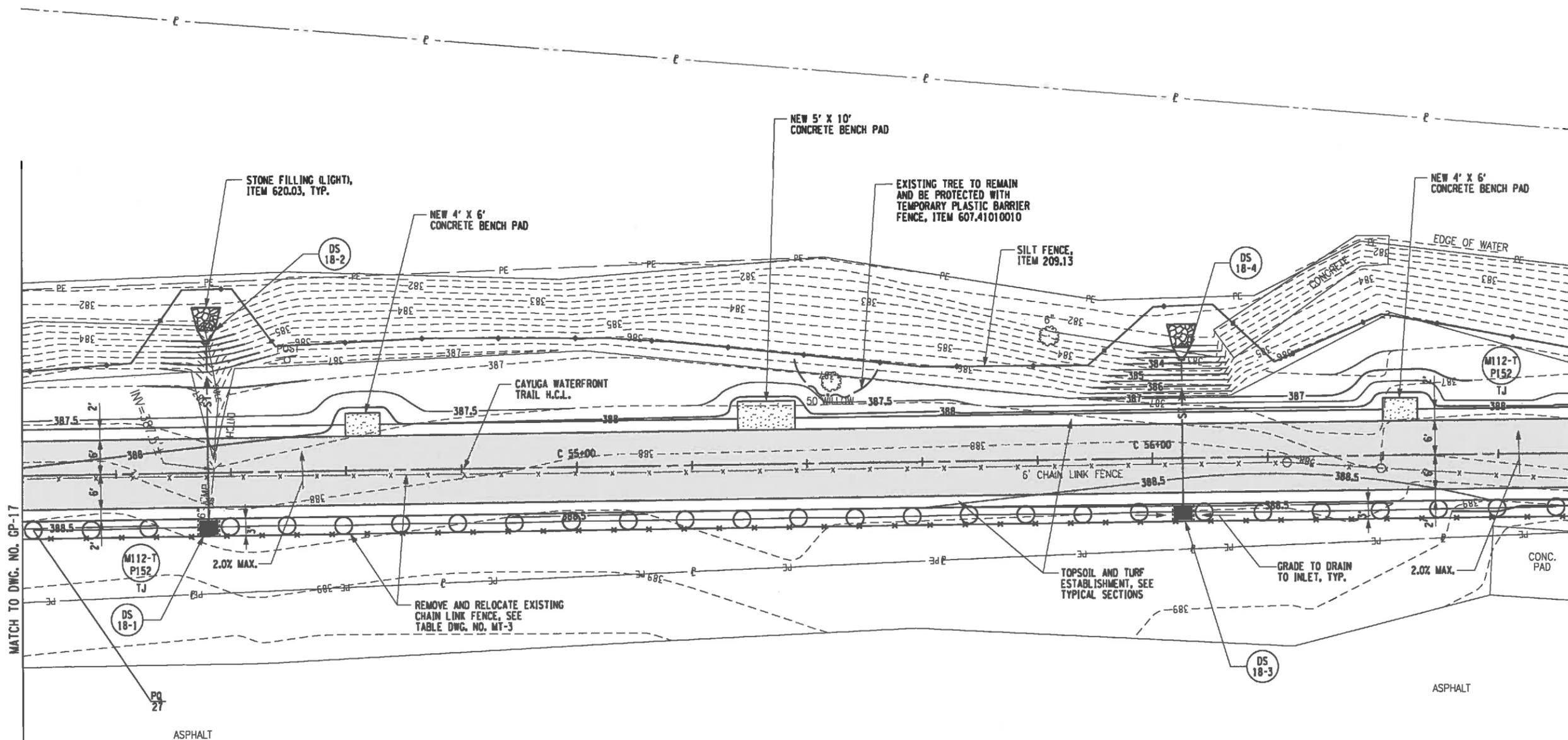
Project Number:
6091.10
Date Issued:
JULY 19, 2013
Scale:
1" = 20'-0"

Drawing Number:

GP-18

LANDS OF THE PEOPLE OF THE
STATE OF NEW YORK UNDER
PRESENT JURISDICTION OF THE
NEW YORK STATE CANAL
CORPORATION
(REPUTED OWNER)

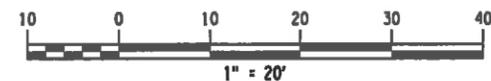
CAYUGA INLET



LANDS OF THE PEOPLE OF THE
STATE OF NEW YORK UNDER
PRESENT JURISDICTION OF THE NEW
YORK STATE DEPARTMENT OF
TRANSPORTATION
(REPUTED OWNER)
TAX ID 37-1-1
MAP 1 PARCEL 1

SURFACE TREATMENT LEGEND

- ASPHALT TRAIL
- CONCRETE TRAIL
- EXPOSED AGGREGATE CONCRETE
- STONE



NOTES:

- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
- SEE SHEET MT-1 FOR PLANT LIST.

Cayuga Waterfront Trail Phase 2

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REVISIONS			
NO.	DATE	DESCRIPTION	REV. CRD

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**PRE - PS&E
SUBMISSION**

XX/XX/XX
Date

GENERAL PLAN

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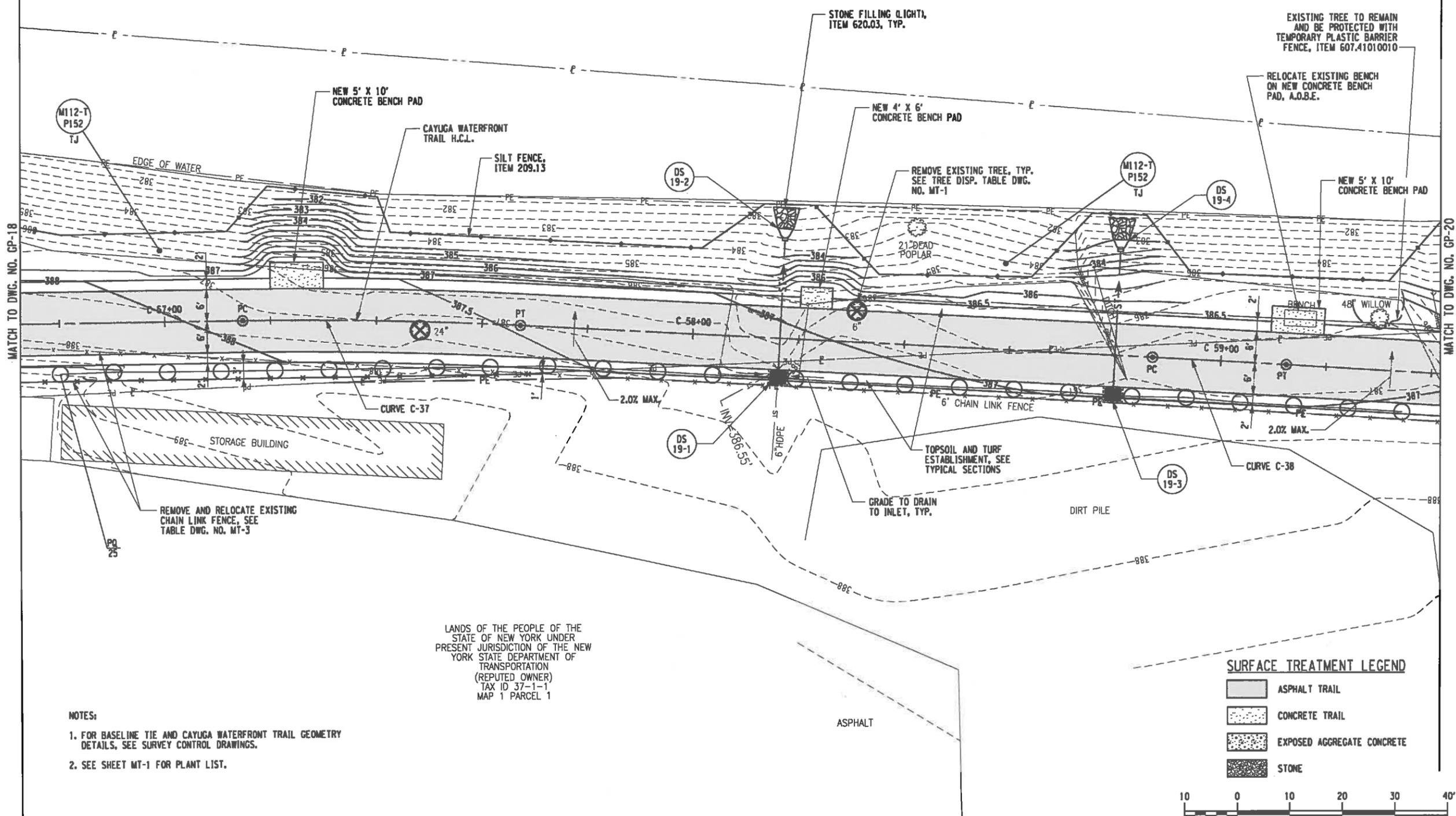
Project Manager: M.R.J.
Designed By: R.J.S./D.W.T.
Drawn By: D.W.T.
Checked By: D.F.
Project Number: 6091.10
Date Issued: JULY 19, 2013
Scale: 1" = 20'-0"

Drawing Number:

GP-19

LANDS OF THE PEOPLE OF THE STATE OF NEW YORK UNDER PRESENT JURISDICTION OF THE NEW YORK STATE CANAL CORPORATION (REPUTED OWNER)

CAYUGA INLET



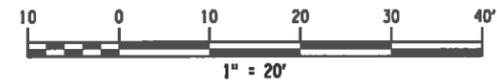
LANDS OF THE PEOPLE OF THE STATE OF NEW YORK UNDER PRESENT JURISDICTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (REPUTED OWNER)
TAX ID 37-1-1
MAP 1 PARCEL 1

NOTES:

- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
- SEE SHEET MT-1 FOR PLANT LIST.

SURFACE TREATMENT LEGEND

- ASPHALT TRAIL
- CONCRETE TRAIL
- EXPOSED AGGREGATE CONCRETE
- STONE



Cayuga Waterfront Trail Phase 2

PIN 395047

City of Ithaca

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REVISIONS			
NO.	DATE	DESCRIPTION	REV. CR'D

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PRE - PS&E SUBMISSION

XX/XX/XX
Date

GENERAL PLAN

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Project Manager: M.R.J.
Designed By: R.J.S./D.W.T.
Drawn By: D.W.T.
Checked By: D.F.
Project Number: 6091.10
Date Issued: JULY 18, 2013
Scale: 1" = 20'-0"

Drawing Number:

GP-20

CAYUGA INLET

NOTES:

- FOR BASELINE TIE AND CAYUGA WATERFRONT TRAIL GEOMETRY DETAILS, SEE SURVEY CONTROL DRAWINGS.
- SEE SHEET MT-1 FOR PLANT LIST.



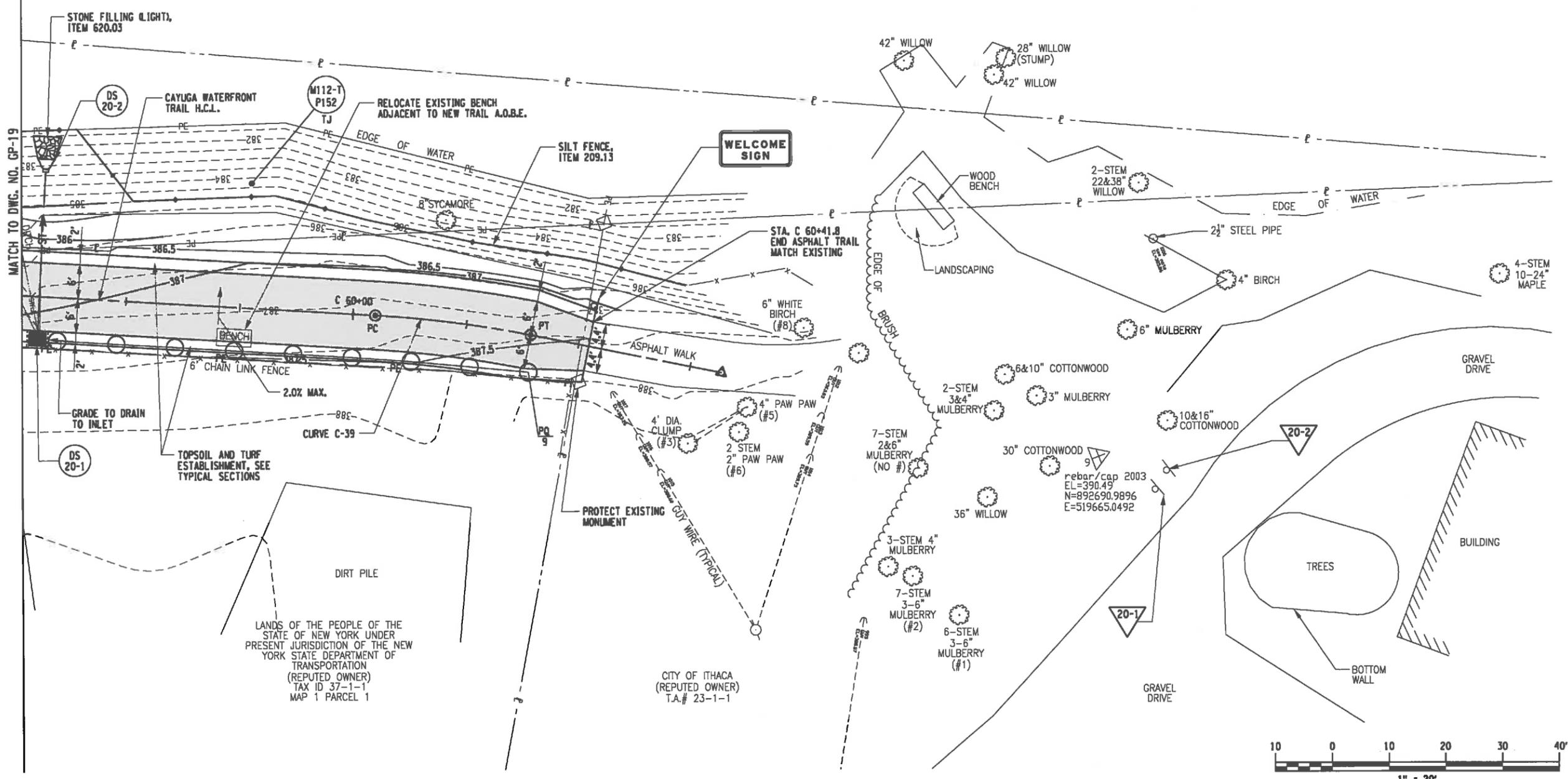
LANDS OF THE PEOPLE OF THE STATE OF NEW YORK UNDER PRESENT JURISDICTION OF THE NEW YORK STATE CANAL CORPORATION (REPUTED OWNER)

SURFACE TREATMENT LEGEND

- ASPHALT TRAIL
- CONCRETE TRAIL
- EXPOSED AGGREGATE CONCRETE
- STONE

SIGN LEGEND

- SIGN REMOVAL
- SIGN TO REMAIN
- NEW OR RELOCATED SIGN LOCATION
- EXISTING SIGN LOCATION
- B-B** BACK TO BACK



LANDS OF THE PEOPLE OF THE STATE OF NEW YORK UNDER PRESENT JURISDICTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (REPUTED OWNER)
TAX ID 37-1-1
MAP 1 PARCEL 1

CITY OF ITHACA (REPUTED OWNER)
T.A.# 23-1-1

Cayuga Waterfront Trail Phase 2

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**PRE - PS&E
SUBMISSION**

Date _____

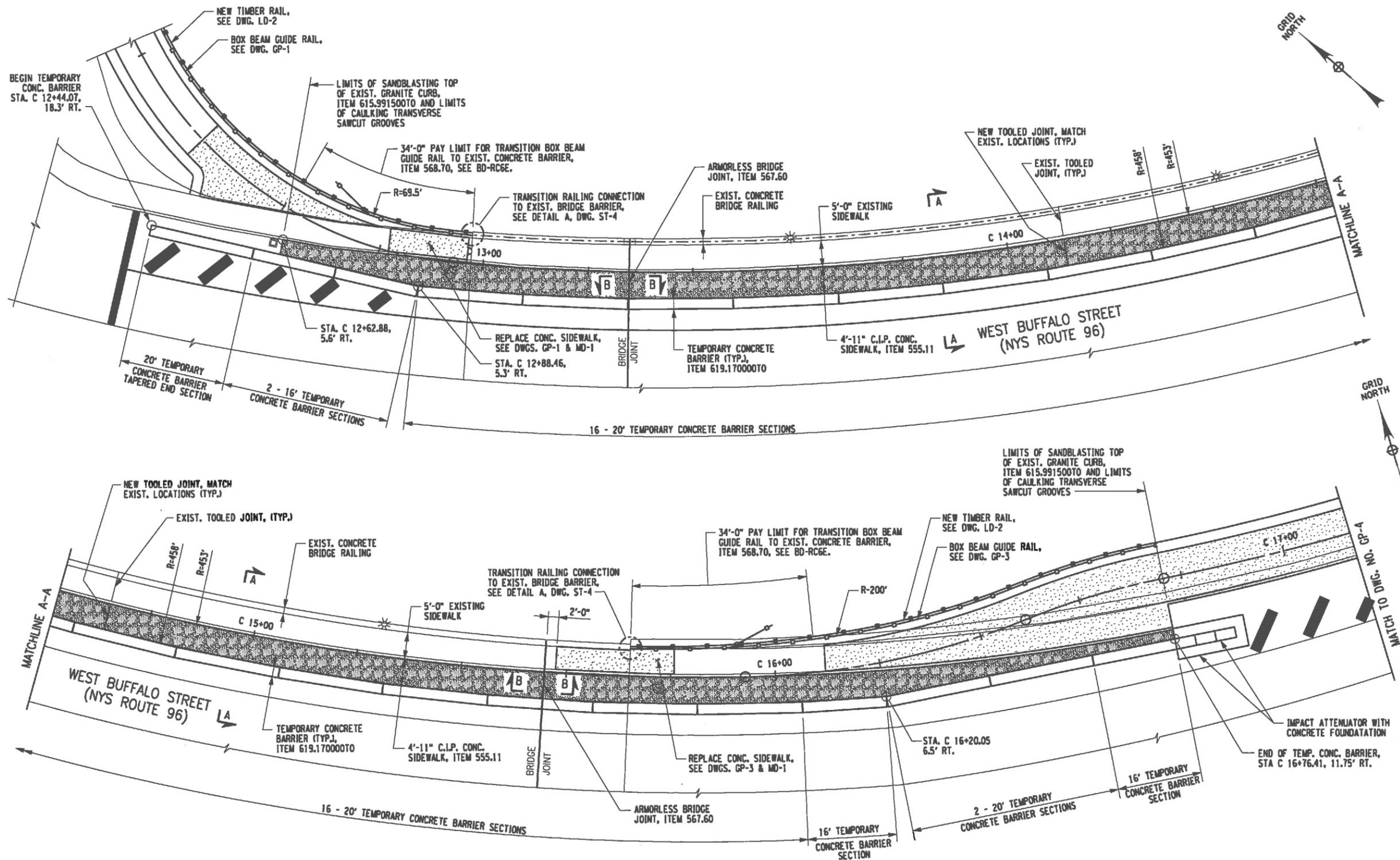
WEST BUFFALO ST. BRIDGE OVER FLOOD CONTROL CHANNEL GENERAL BRIDGE PLAN

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Project Manager: M.R.J.
Designed By: P.J.M.
Drawn By: D.E.H.
Checked By: A.J.B.
Project Number: 6091.10
Date Issued: JULY 19, 2013
Scale: AS SHOWN

Drawing Number:

ST-2



BRIDGE PLAN

Cayuga Waterfront Trail Phase 2 PIN 395047

City of Ithaca

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REVISIONS				
NO.	DATE	DESCRIPTION	REV.	CRD.

The underground structures and utilities shown on this drawing have been plotted from available surveys or utility record maps. They are not certified to the accuracy of their location or their completeness. It is the Contractor's responsibility to verify the location and extent of all underground structures and utilities.

PRE - PS&E
SUBMISSION

Date

WEST BUFFALO ST. BRIDGE OVER FLOOD CONTROL CHANNEL RAILING DETAILS

Unauthorized alteration or addition to this drawing is a violation of the New York State Education Law Article 145, Section 7209.

Project Manager:
M.R.J.

Designed By:
P.J.M.

Drawn By:
D.E.H.

Checked By:
A.J.B.

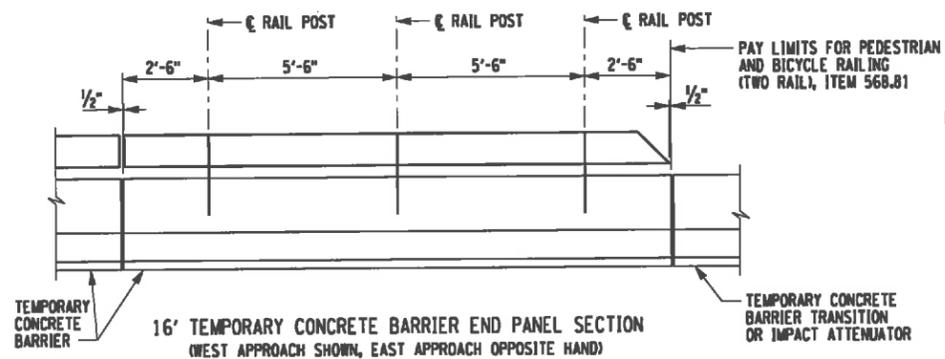
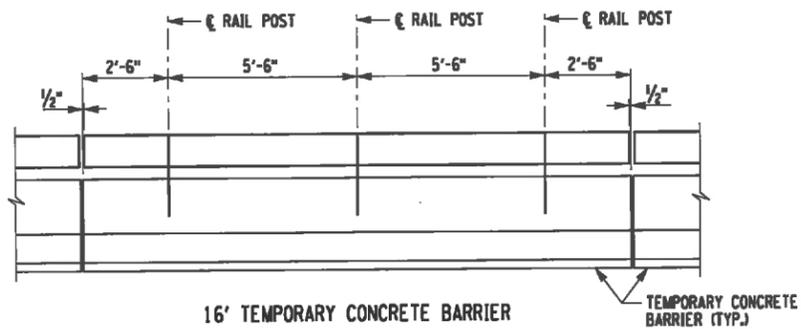
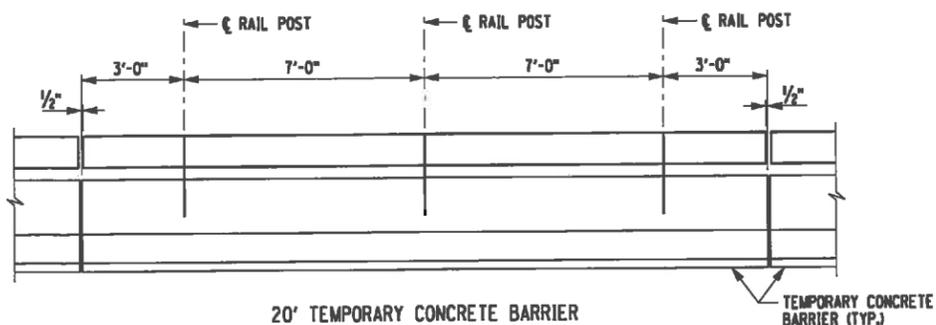
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Project Number:
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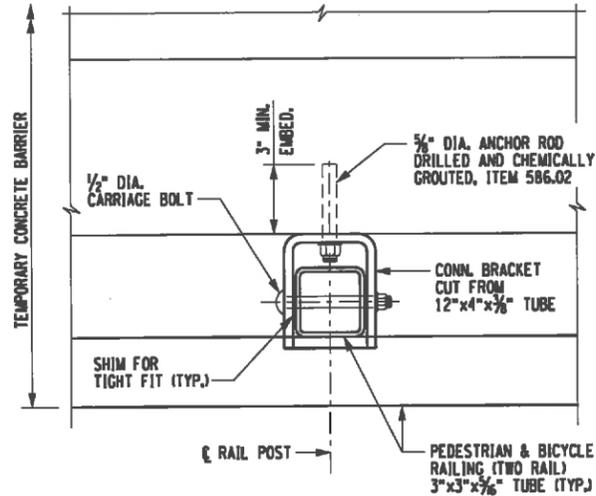
Date Issued:
JULY 19, 2013

Scale:
AS SHOWN

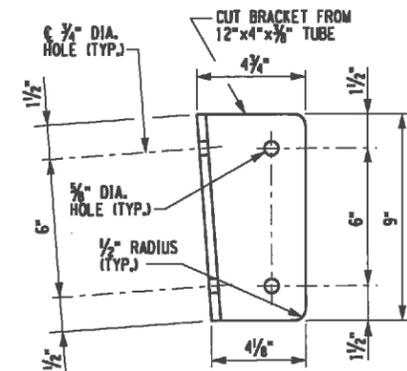
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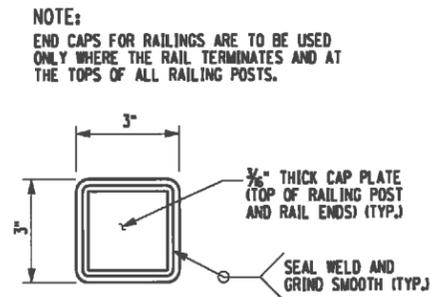
TYPICAL RAILING POST LAYOUT



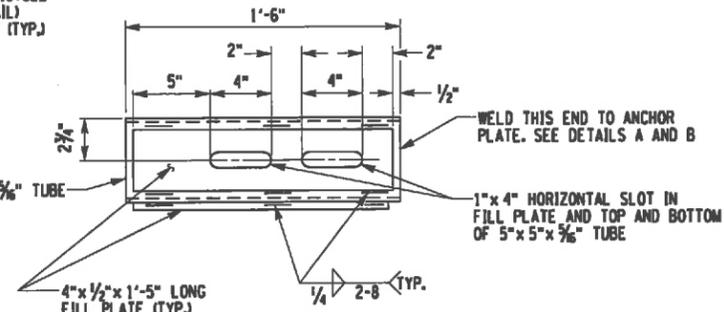
SECTION C-C



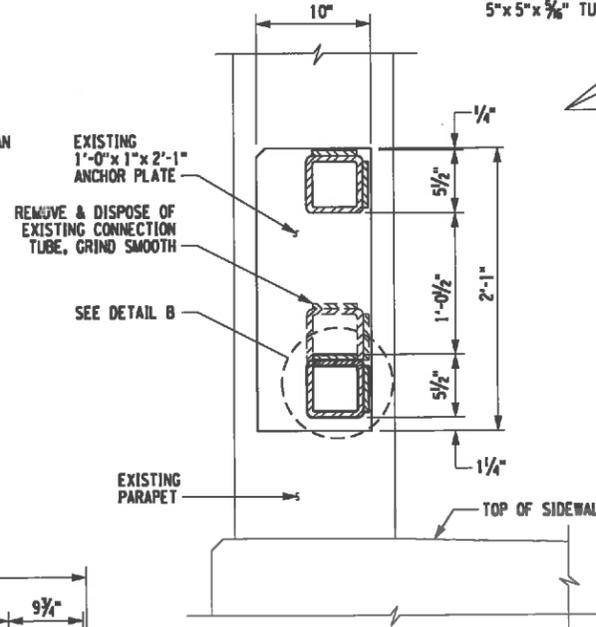
* CONNECTION BRACKET



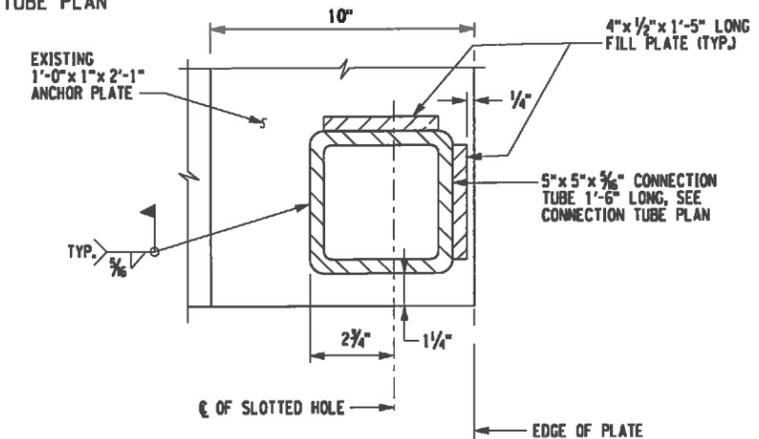
CAP PLATE DETAIL



CONNECTION TUBE PLAN



DETAIL A



DETAIL B

TRANSITION RAILING CONNECTION MODIFICATION DETAILS
ITEM 656.01

RAILING NOTES:

CONTRACTOR TO FIELD VERIFY DIMENSIONS PRIOR TO FABRICATION.
PRIOR TO GALVANIZING, GRIND ALL SHARP EDGES TO A MINIMUM RADIUS OF 1/8".

ALL NEW STEEL SHALL BE GALVANIZED. ALL DAMAGED AREAS OF GALVANIZED ZINC COATING SHALL BE REPAIRED. GALVANIZED COATINGS AND REPAIR METHODS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 719-01 OF THE SPECIFICATIONS.

ALL RAILING TO BE FABRICATED AND ERECTED SO THAT THE RAILS ARE PARALLEL TO EACH OTHER AND THE POSTS ARE TRULY VERTICAL.

TUBULAR STEEL RAILS, POSTS, BASE PLATES, ANCHOR STUDS, NUTS, WASHERS, RAILING JOINT ASSEMBLIES AND ANY NECESSARY SHIMS SHALL BE PAID FOR UNDER THE PEDESTRIAN-BICYCLE RAILING, ITEM 568.81

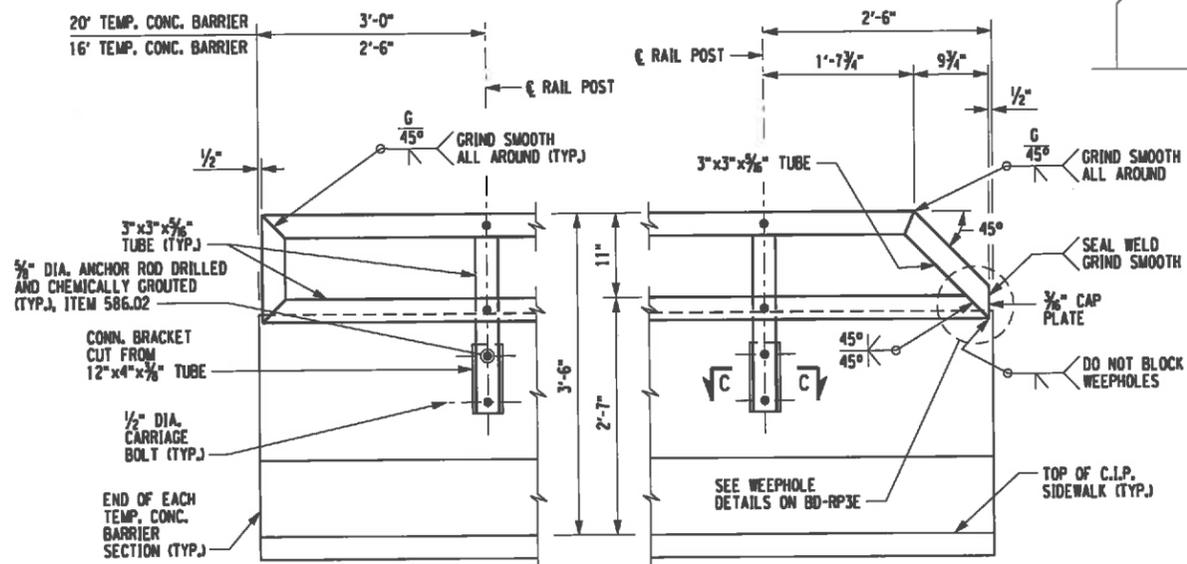
RAILING COMPONENTS INCLUDING CONNECTION BRACKET AND EXPOSED CONNECTION HARDWARE ARE TO BE PAINTED. PAINTING SHALL CONFORM TO SECTION 657 OF THE STANDARD SPECIFICATIONS AND SHALL BE PAID UNDER ITEM 657.020001.

UNLESS NOTED OTHERWISE, WELD AND BOLT DETAILS FOR RAILING SHALL CONFORM TO NYS DOT BRIDGE DETAIL SHEET BD-RP1.

THE RAILING ANCHOR BOLTS SHALL BE DRILLED AND CHEMICALLY GROUTED INTO CONCRETE WITH A MAXIMUM OF 10" IN ACCORDANCE WITH THE NYS DOT STANDARD SPECIFICATION SECTION 586. AS AN OPTION, THE CONTRACTOR MAY CAST THE ANCHOR STUDS INTO THE BARRIER AT NO ADDITIONAL COST TO THE CITY.

ANY GALVANIZED SURFACES REQUIRED TO BE PAINTED SHALL BE PAINTED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 657 OF THE STANDARD SPECIFICATIONS. FINISH COAT COLOR SHALL BE BLACK BLUE. THE COLOR SHALL CONFORM TO RAL 5004. VIEWING SHALL BE DONE UNDER NORTH STANDARD DAYLIGHT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 657.020001.

* DIMENSIONS SHOWN ARE BASED ON A 4% GRADE CROSS SECTION. CONTRACTOR SHALL FIELD VERIFY CROSS SLOPE AND MODIFY DIMENSIONS AS REQUIRED PRIOR TO FABRICATION.



TYPICAL PANEL ELEVATION

END PANEL ELEVATION
(2 LOCATIONS)

TEMPORARY CONCRETE BARRIER & RAILING
ITEM 568.81 & ITEM 619.170000T0

