

# BOROUGH OF NEWTOWN

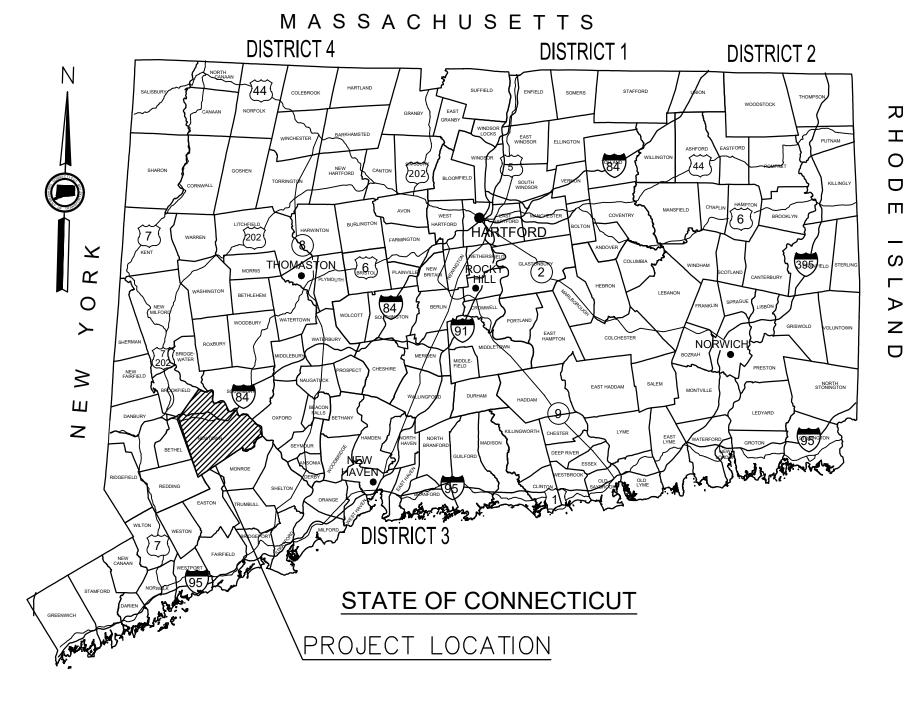
Plans For

## PEDESTRIAN IMPROVEMENTS - SUGAR STREET

MAINTENANCE RESPONSIBILITY

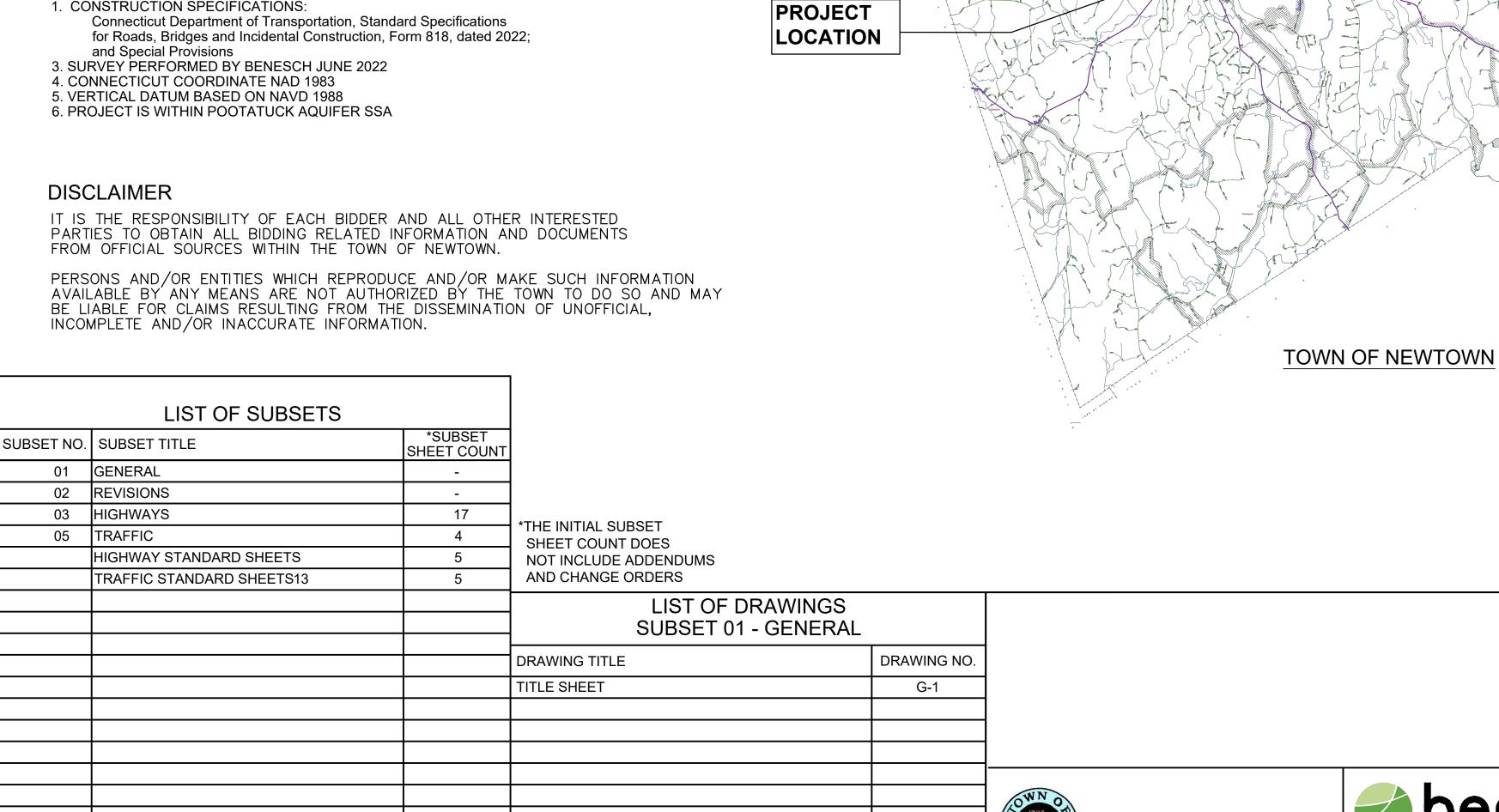
ROAD

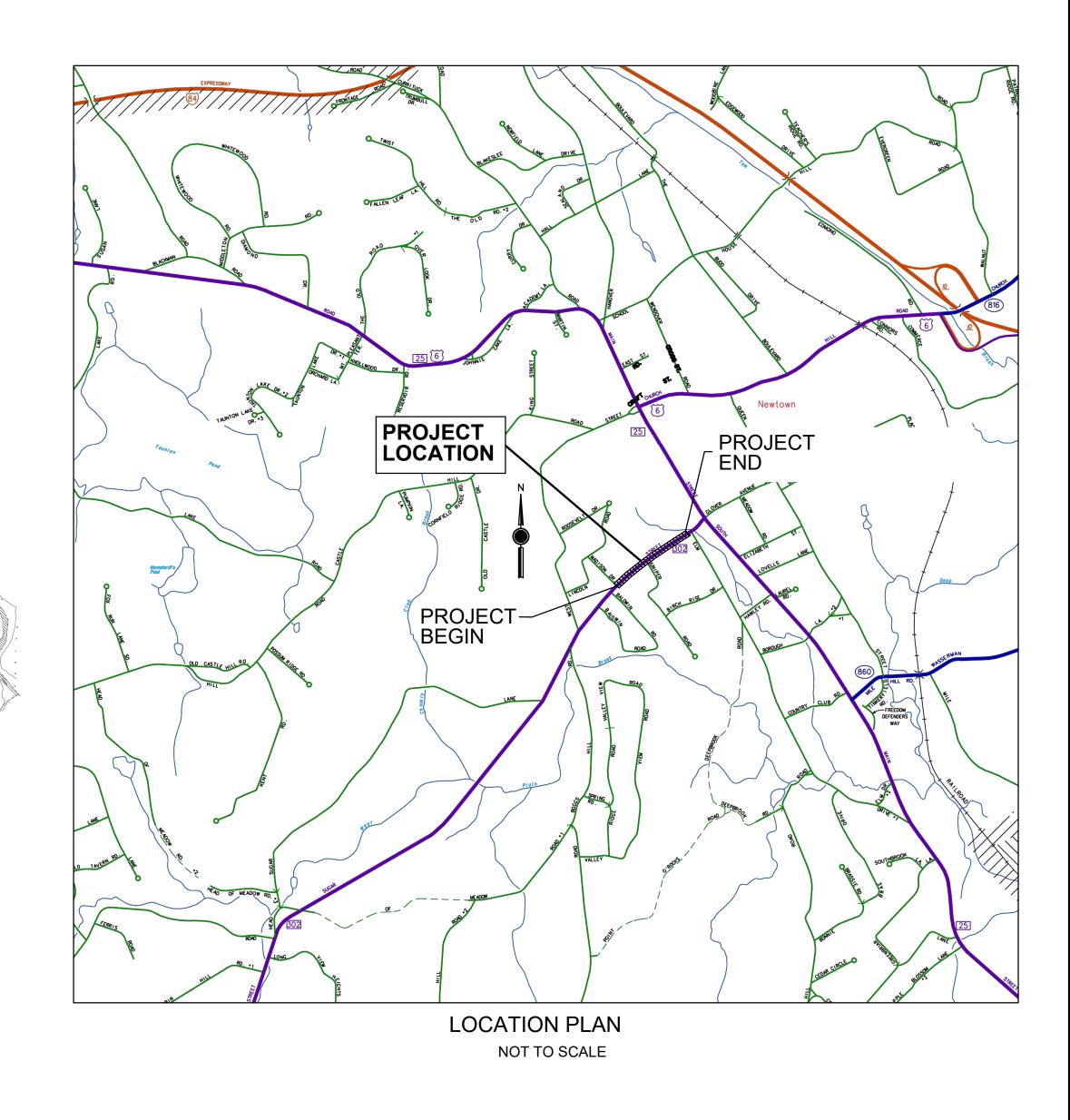
LENGTH



#### **GENERAL NOTES:**

1. CONSTRUCTION SPECIFICATIONS:





FINAL DESIGN REVIEW JANUARY 27, 2023

Plans For PEDESTRIAN IMPROVEMENTS SUGAR STREET

Town NEWTOWN

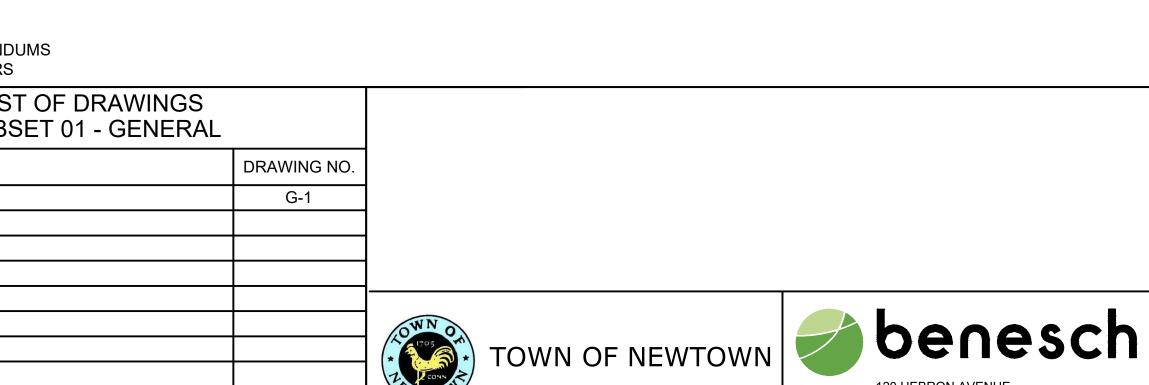
STATE PROJECT NO.

NAME/DATE/TIME:

**DESIGNER APPROVAL:** 

120 HEBRON AVENUE, SECOND FLOOR GLASTONBURY, CT 06033

G-1 01.01



## 03 - HIGHWAY INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
H-01	INDEX OF DRAWINGS		
IND-02	INDEX PLAN		
TYP-01	TYPICAL SECTIONS		
DES-01	DETAIL ESTIMATE SHEET		
MDS-01	MISCELLANEOUS DETAILS SHEET		
SV-01 TO SV-02	TOPOGRAPHY SURVEY		
HWY-01 TO HWY-02	HIGHWAY PLANS		
XSC-01 TO XSC-04	CROSS SECTIONS		
GS-01 TO GS-05	GUIDE SHEETS		

FINAL DESIGN REVIEW
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. SHEET NO. Plotted Date: JANUARY 2023 REVISION DESCRIPTION

ESIGNER/DRAFTER:
L. AL-ATTAR, J. LECOUR R.SCRITTORALE



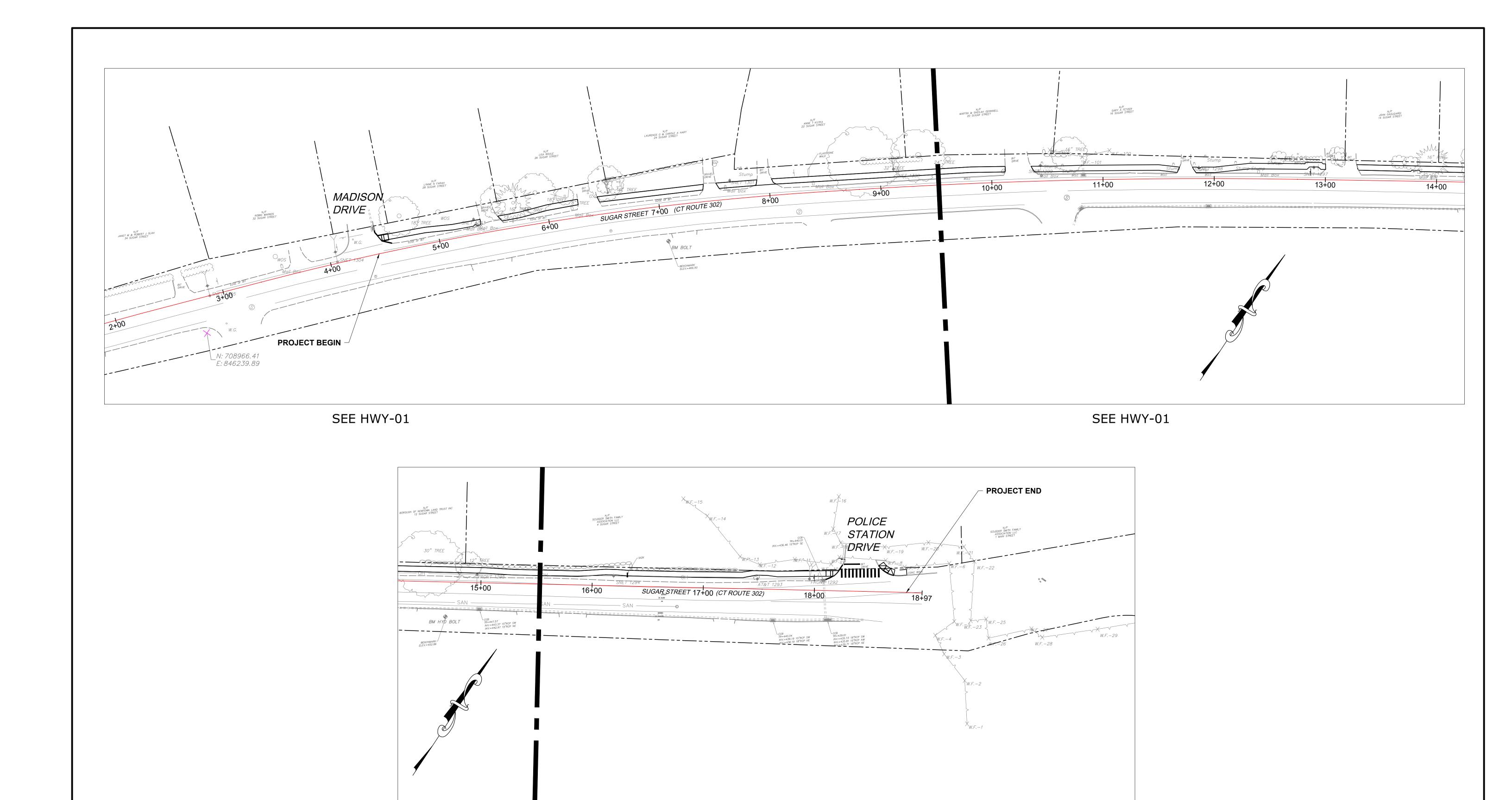
Filename: 70681.00\_Newtown\_Sidewalk\_Sugar\_St.

TOWN OF NEWTOWN



BOROUGH OF NEWTOWN PEDESTRIAN IMPROVEMENTS SUGAR STREET

OWN:	NEWTOWN	PROJECT NO. 70681.00
RAWING TITL	. <del>-</del> .	DRAWING NO. H-01
IN	IDEX OF DRAWINGS	3.01



FINAL DESIGN REVIEW PROJECT NO. 70681.00 DRAWING NO. IND-02 SIGNER/DRAFTER:
L. AL-ATTAR, J. LECOUR NEWTOWN THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. BOROUGH OF NEWTOWN R.SCRITTORALE TOWN OF NEWTOWN benesch PEDESTRIAN IMPROVEMENTS SUGAR STREET SCALE IN FEET INDEX PLAN 3.02 SCALE 1"=40'

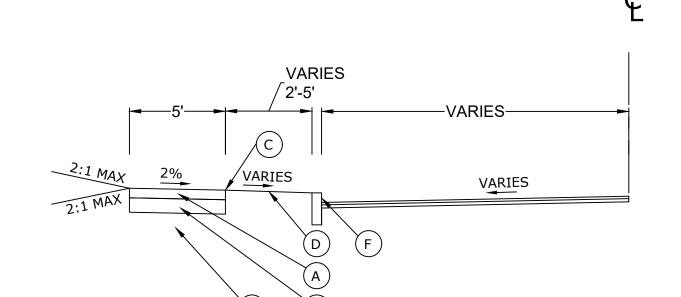
Filename: 70681.00\_Newtown\_Sidewalk\_Sugar\_St.

SEE HWY-02

SEE HWY-01

SHEET NO. Plotted Date: JANUARY 2023

REVISION DESCRIPTION



CONSTR

### LEGEND

- (A) 5" CONCRETE SIDEWALK
- B 8" GRANULAR FILL
- (C) POINT OF APPLICATION OF GRADE
- (D) 4" TOPSOIL WITH TURF ESTABLISHMENT
- (E) BORROW
- F CONCRETE CURB

## TYPICAL SECTION 5' WALK

N.T.S.

STA: 4+44.42 - 4+57

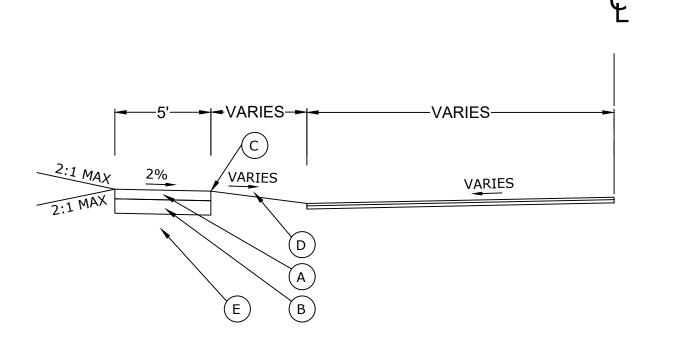
STA: 8+45 - 13+80

STA: 18+10 - 18+25

STA: 18+58 - 18+82.77

### <u>LEGEND</u>

- (A) 5" CONCRETE SIDEWALK
- B 8" GRANULAR FILL
- (C) POINT OF APPLICATION OF GRADE
- D 4" TOPSOIL WITH TURF ESTABLISHMENT
- E BORROW



CONSTR

## TYPICAL SECTION 5' WALK

N.T.S. STA: 4+57 - 8+45 STA: 13+80 - 18+10

FINAL DESIGN REVIEW

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REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: JANUARY 2023

DESIGNER/DRAFTER:
L. AL-ATTAR, J. LECOUR
CHECKED BY:
R.SCRITTORALE
SCALE IN FEET

SCALE 1"=20'

TONN ON TONN A CONN A C

Filename: 70681.00\_Newtown\_Sidewalk\_Sugar\_St.



BOROUGH OF NEWTOWN PEDESTRIAN IMPROVEMENTS SUGAR STREET NEWTOWN

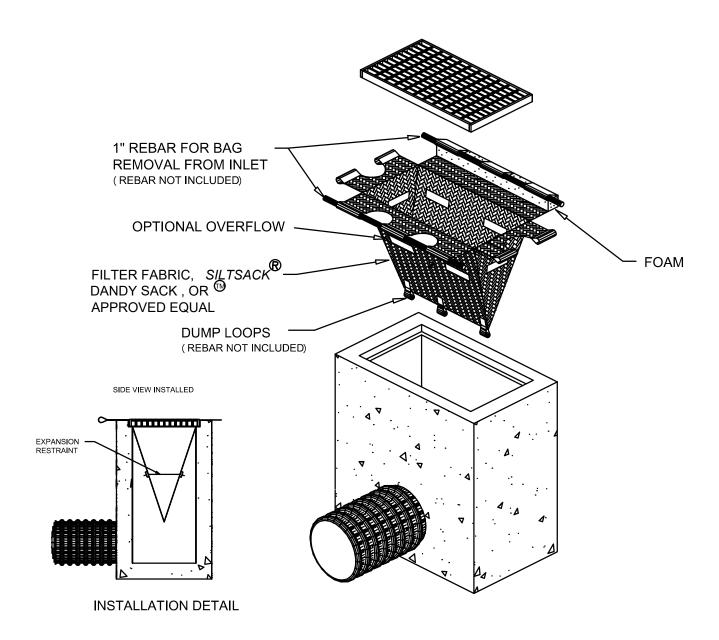
ORAWING TITLE:

TYPICAL SECTION

TYP-01

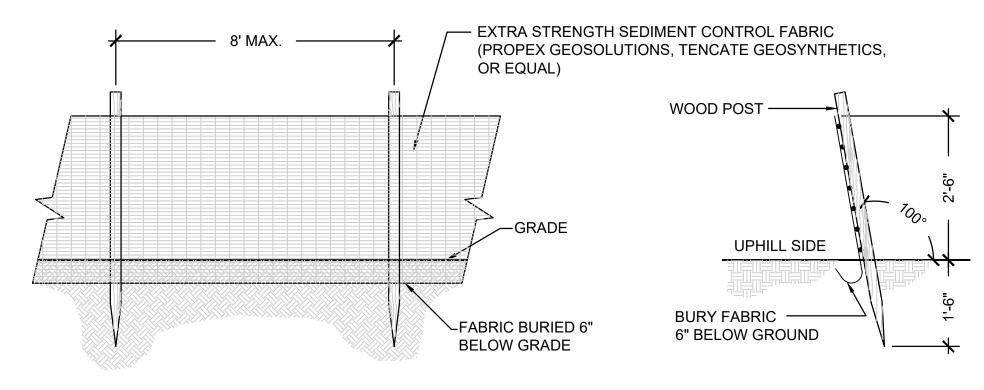
SHEET NO.

3.03



CATCH BASIN SEDIMENT FILTER

N.T.S.



**ELEVATION** 

SECTION

## SILT FENCE

N.T.S.

## Town of Newtown Inland Wetlands Short Form Permit Conditions

Please read carefully as you will be expected to abide by the following conditions Please contact the Land Use Agency (203) 270-4276 with any questions.

- A. The permit term shall be five 5 years from the date signed by the Inland Wetlands Agent.
- B. Erosion and sediment controls shall be maintained as illustrated on the plan and where deemed necessary by the Inland Wetlands Agent. E&S will be installed prior to construction and maintained until directed by the Inland Wetlands Agent.
- C. The Inland Wetlands Agent must be notified one week prior to commencement of the permitted activity and again upon completion of the activity.
- D. A copy of the approved plans will be on site at all times.
- E. The Inland Wetlands Agent must inspect and approve the marked limits of disturbance on the site prior to any site activity.
- F. No alterations of the site plans are allowed for this permit, unless a modification is requested and granted by the commission or its agent.
- G. No site activities shall occur beyond the proposed site location of the Erosion and Sedimentation controls as depicted on the approved site plans.
- H. A quarterly status report on forms provided on the Town of Newtown website or in the Land Use office will be submitted to the commission until the project is complete.
- Please note that any violations of this permit can result in required mitigation via an Inland Wetlands Permit Application (long or short form), fines and/or penalties as the law allows.

		THE INFORMATION, INCLUDING ESTIMATED
		QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED
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		THE CONDITIONS OF ACTUAL QUANTITIES
		OF WORK WHICH WILL BE REQUIRED.

REVISION DESCRIPTION

DATE

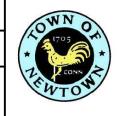
SHEET NO. Plotted Date: JANUARY 2023

DESIGNER/DRAFTER:

L. AL-ATTAR, J. LECOUR

CHECKED BY:

R.SCRITTORALE



TOWN OF NEWTOWN

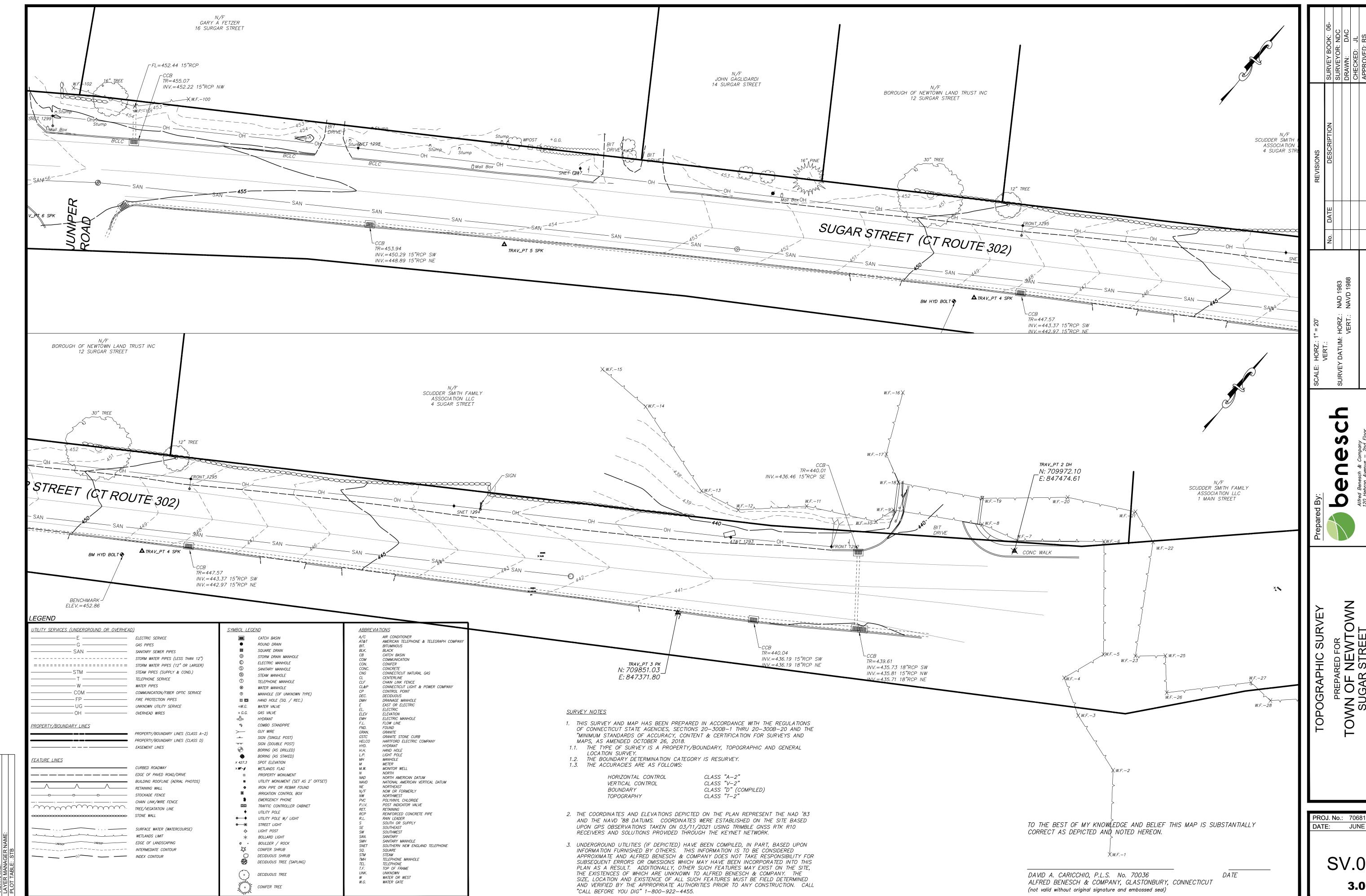


BOROUGH OF NEWTOWN
PEDESTRIAN IMPROVEMENTS
SUGAR STREET

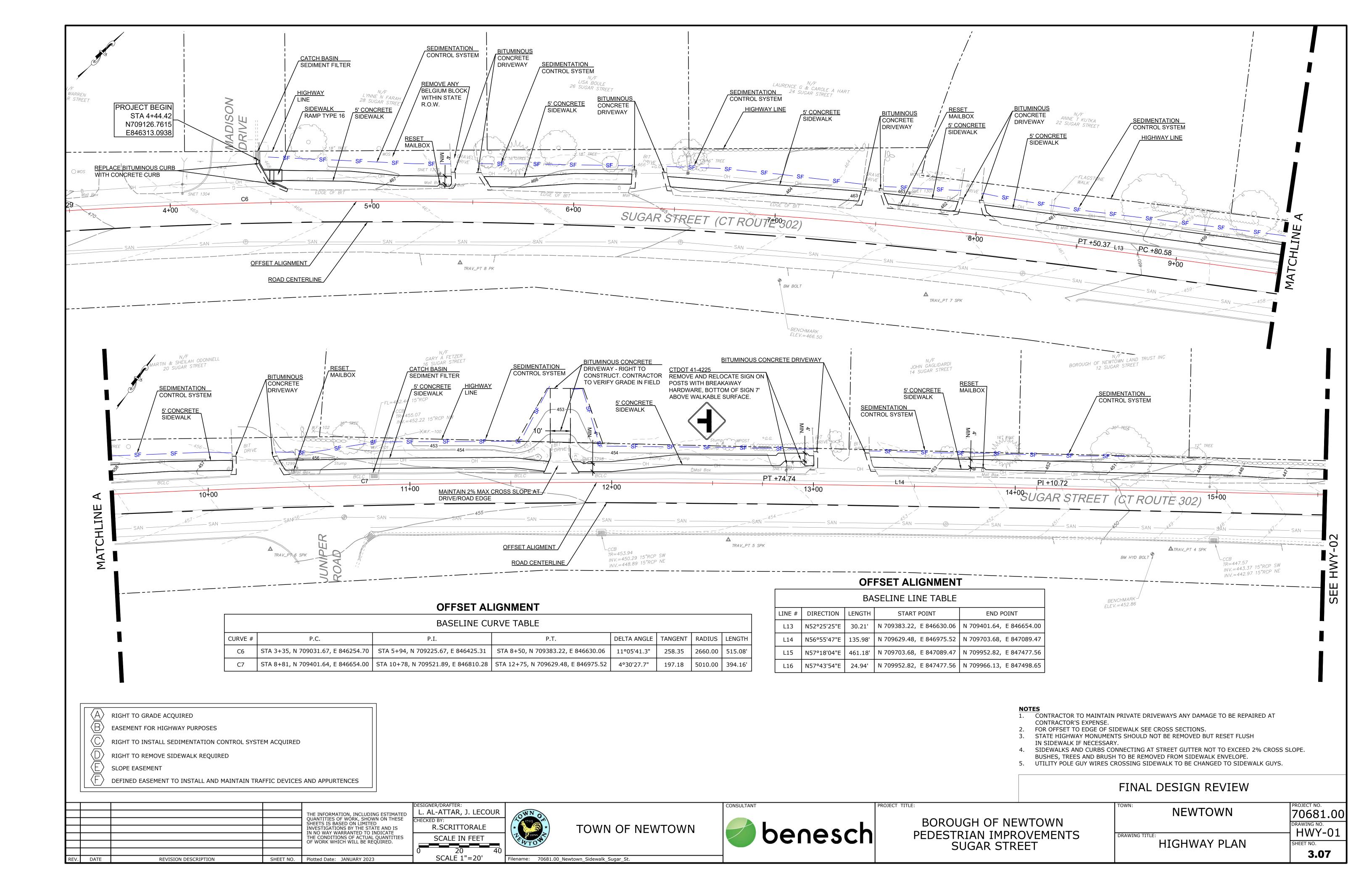
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INLVVIOVIN	70681
	DRAWING NO.
DRAWING TITLE:	MSD
MISC. DETAILS	SHEET NO.
	3.0

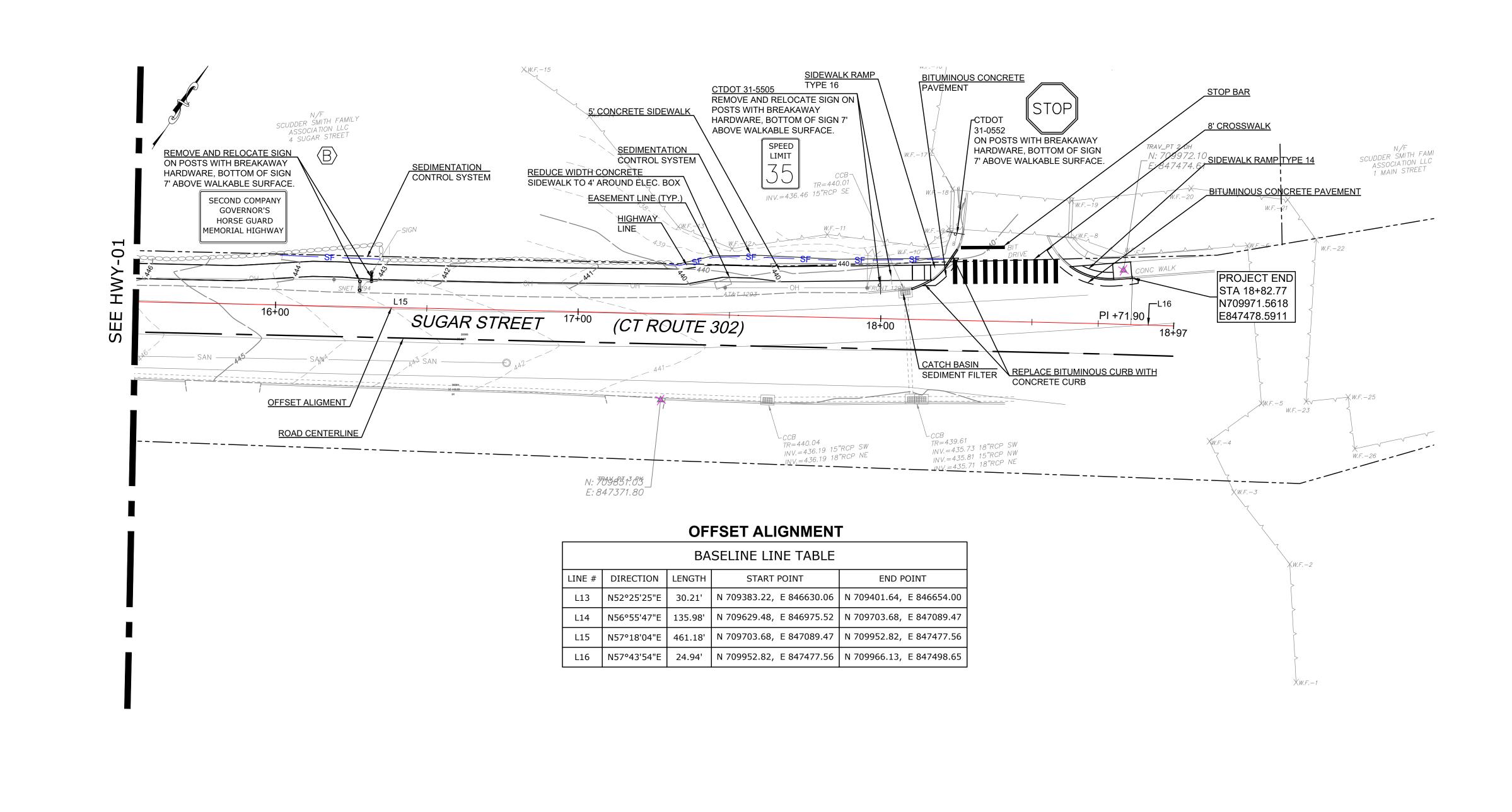
FINAL DESIGN REVIEW

Filename: 70681.00\_Newtown\_Sidewalk\_Sugar\_St.



DATE: JUNE 2022



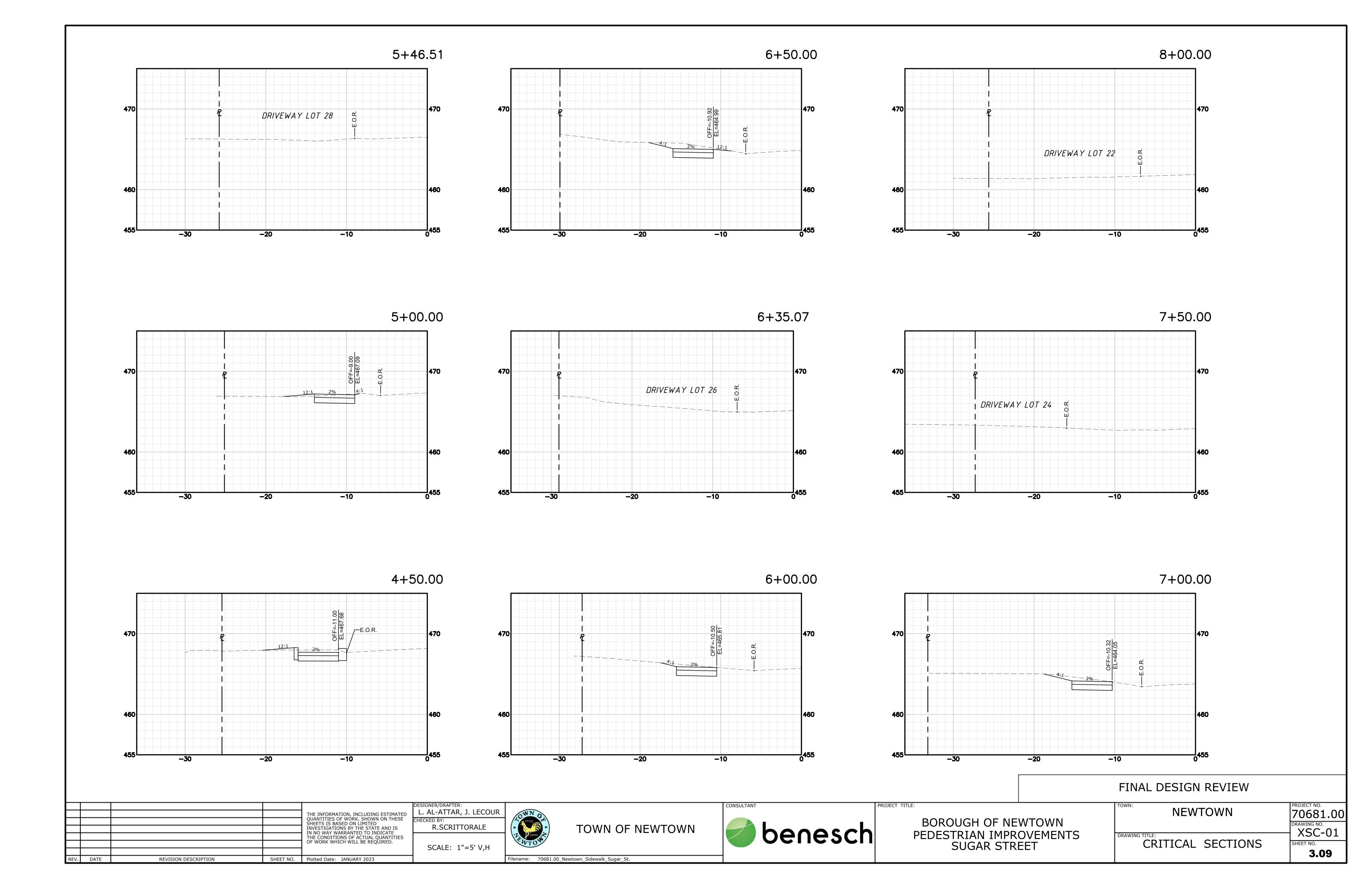


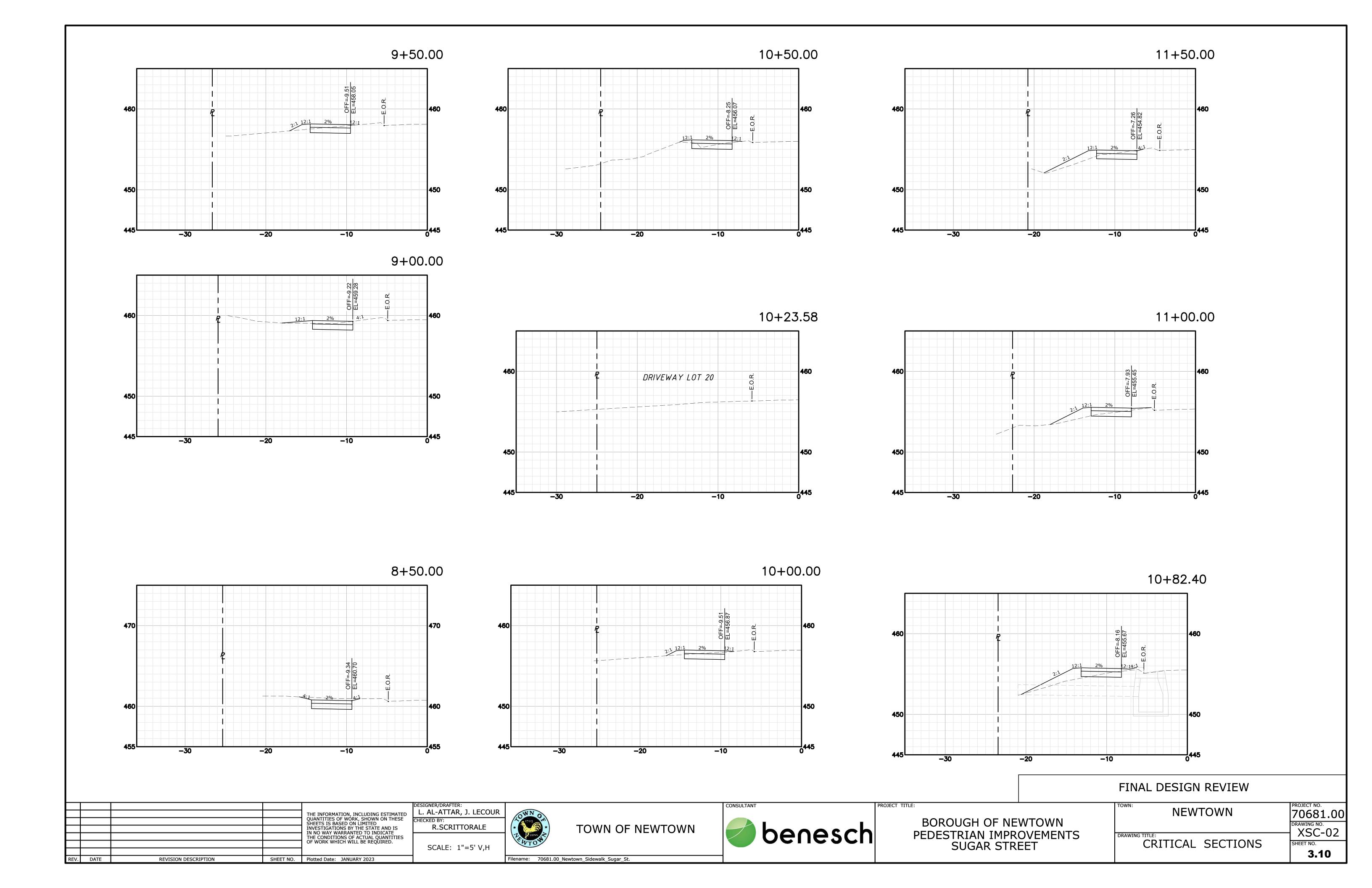


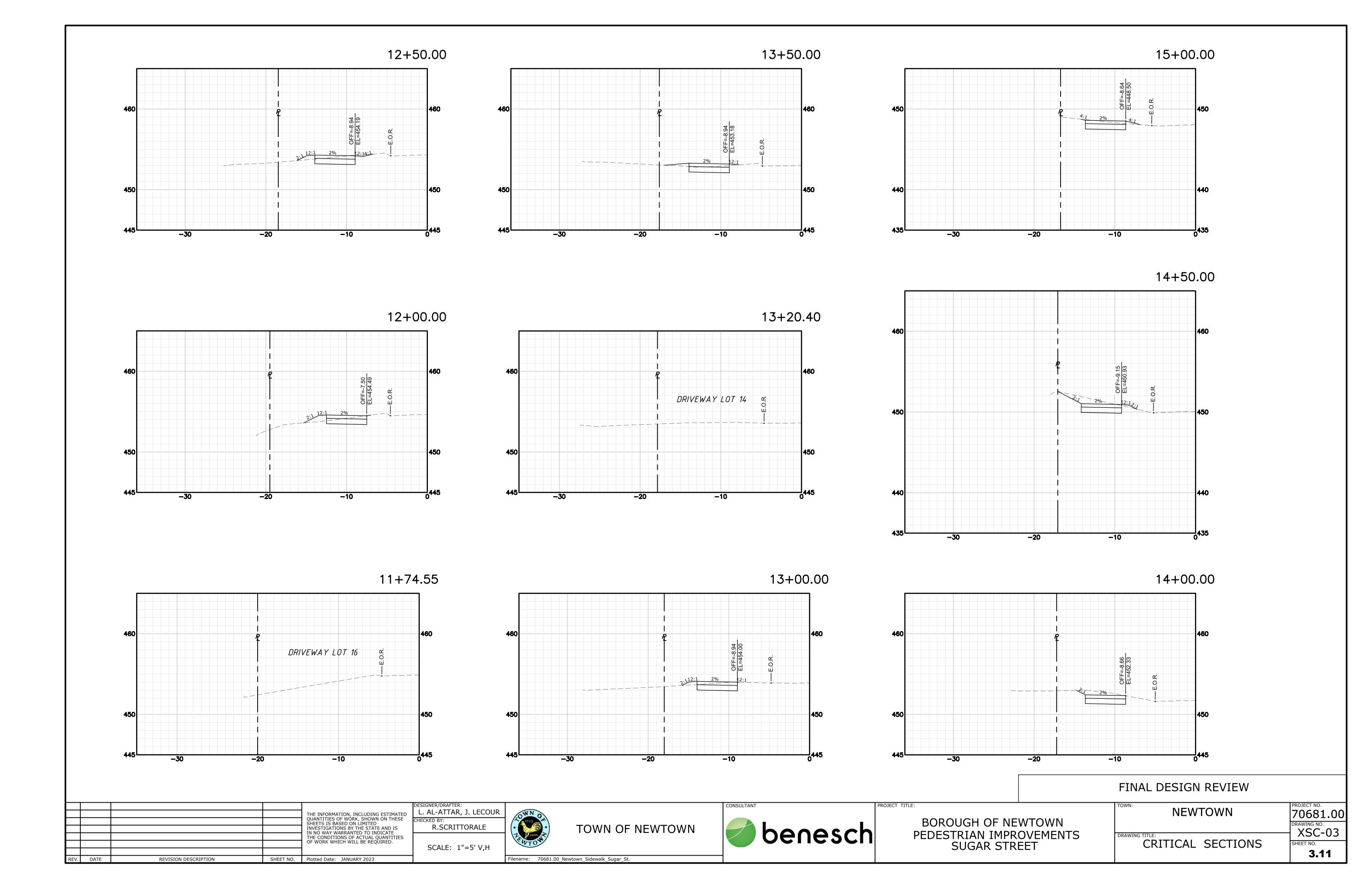
- 1. CONTRACTOR TO MAINTAIN PRIVATE DRIVEWAYS ANY DAMAGE TO BE REPAIRED AT
- CONTRACTOR'S EXPENSE. 2. FOR OFFSET TO EDGE OF SIDEWALK SEE CROSS SECTIONS.
- 3. STATE HIGHWAY MONUMENTS SHOULD NOT BE REMOVED BUT RESET FLUSH
- IN SIDEWALK IF NECESSARY. 4. SIDEWALKS AND CURBS CONNECTING AT STREET GUTTER NOT TO EXCEED 2% CROSS SLOPE.
- BUSHES, TREES AND BRUSH TO BE REMOVED FROM SIDEWALK ENVELOPE.
- 5. UTILITY POLE GUY WIRES CROSSING SIDEWALK TO BE CHANGED TO SIDEWALK GUYS.

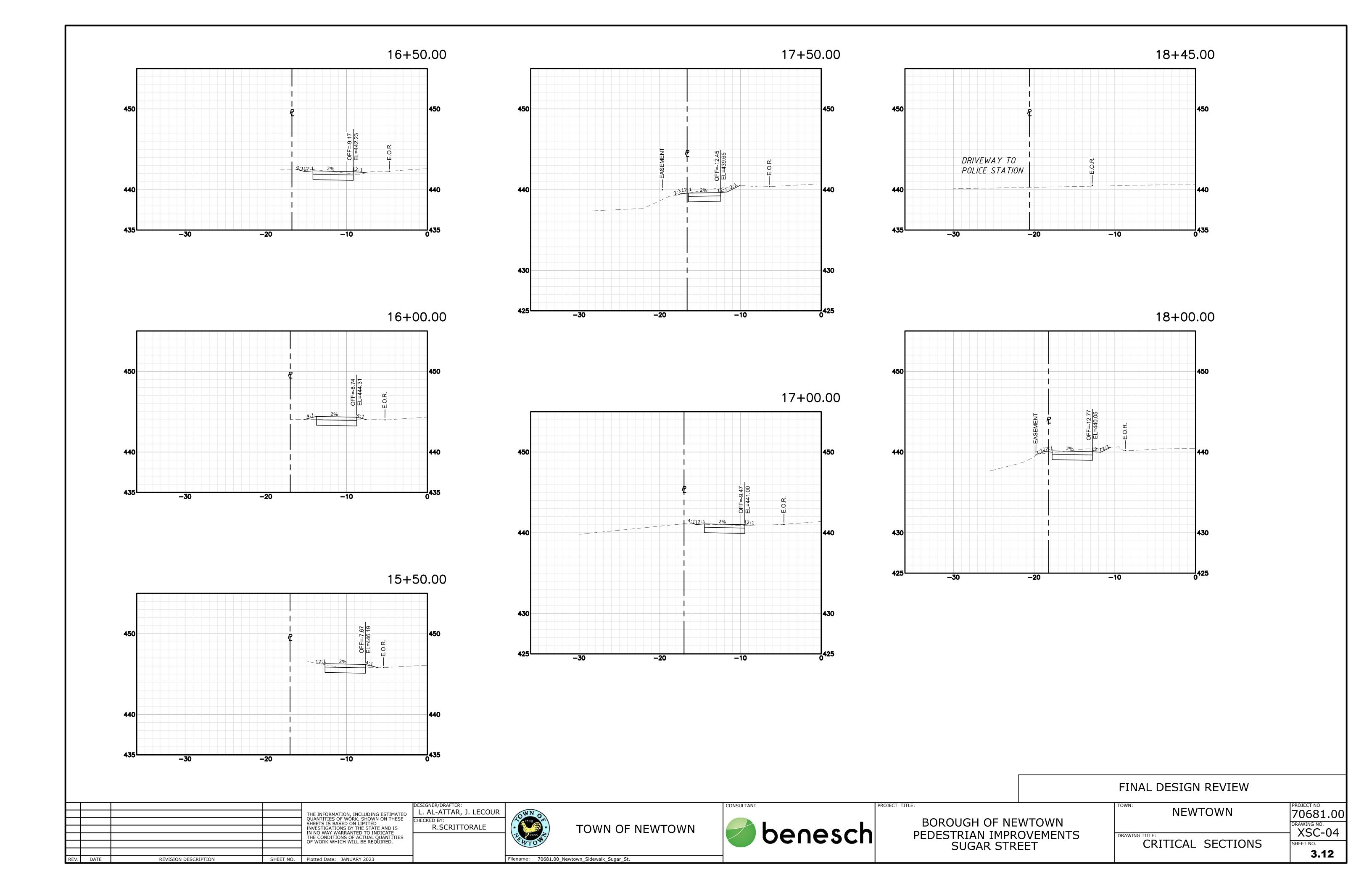
## FINAL DESIGN REVIEW

F		THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE CHECKED BY:	ATTAR, J. LECOUR	CONSULTANT	PROJECT TITLE:	NEWTOWN	PROJECT NO. 70681.00
E		SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES  SC.	CALE IN FEET TOWN OF NEWTOWN	benesch	BOROUGH OF NEWTOWN PEDESTRIAN IMPROVEMENTS	DRAWING TITLE:	HWY-02
RE	V. DATE	OF WORK WHICH WILL BE REQUIRED.	20 40 SCALE 1"=20' Filename: 70681.00_Newtown_Sidewalk_Sugar_St.		SUGAR STREET	HIGHWAY PLAN	3.08



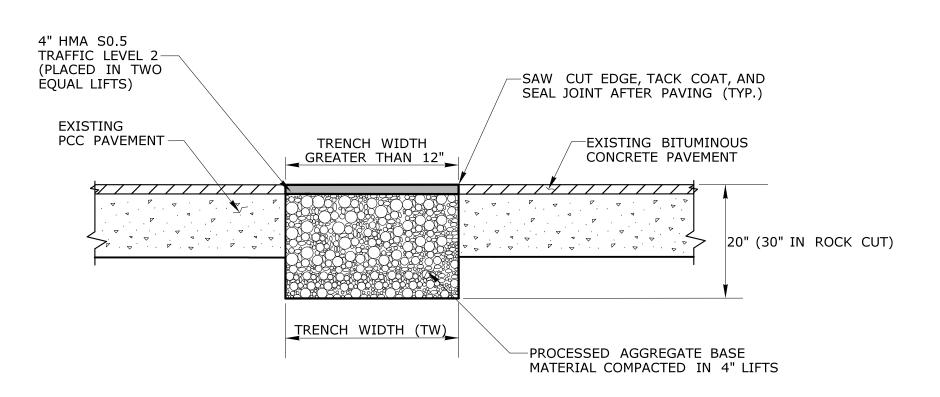




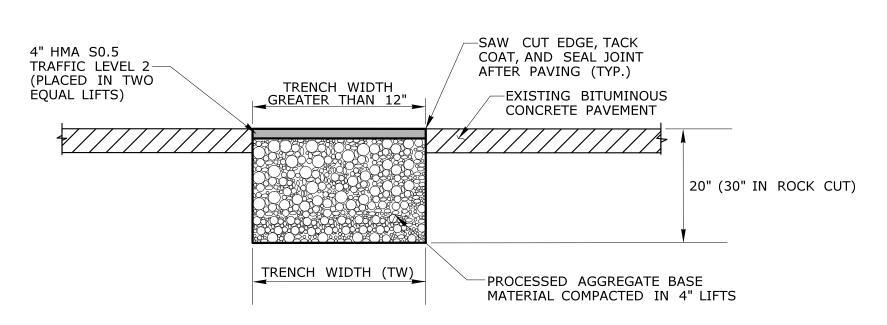


#### -SAW CUT EDGE, TACK COAT, AND 4" HMA S0.5 SEAL JOINT AFTER PAVING (TYP.) TRAFFIC LEVEL 2-(PLACED IN TWO **EQUAL LIFTS**) -EXISTING BITUMINOUS 6" TO 12" CONCRETE PAVEMENT 20" (30" IN ROCK CUT) **EXISTING BITUMINOUS-**OR PCC PAVEMENT TRENCH WIDTH (TW) -PROCESSED AGGREGATE BASE MATERIAL COMPACTED IN 4" LIFTS

#### TEMPORARY PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")



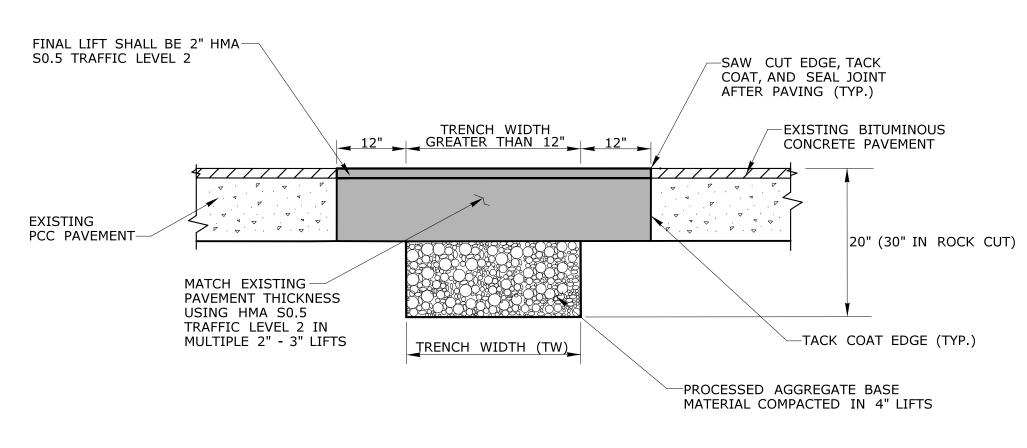
#### TEMPORARY PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



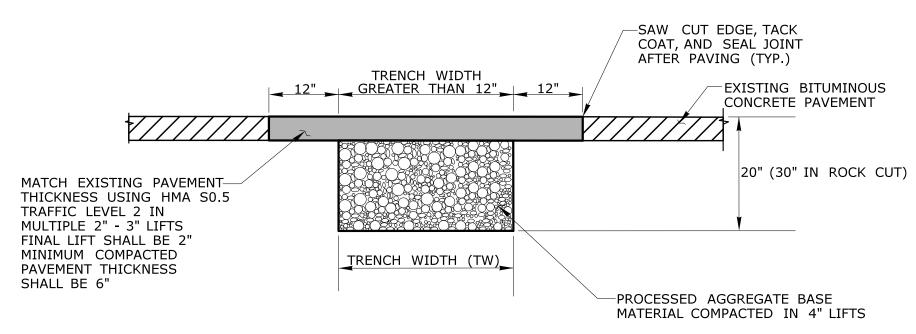
TEMPORARY PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE (TRENCH WIDTH GREATER THAN 12")

#### MILL 2" THEN PLACE, 2" HMA S0.375— TRAFFIC LEVEL 2 OR, 2" HMA S0.5 TRAFFIC LEVEL 2, AND SAWCUT -TACK COAT, AND SEAL JOINT TRANSVERSE ENDS OF THE TRENCH AFTER PAVING (TYP.) -EXISTING BITUMINOUS 12" 6" TO 12" EXISTING BITUMINOUS CONCRETE PAVEMENT OR PCC PAVEMENT-20" (30" IN ROCK CUT) MATCH EXISTING PAVEMENT THICKNESS USING HMA S0.375 TACK COAT EDGE (TYP.) TRAFFIC LEVEL 2 IN TRENCH WIDTH (TW) MULTIPLE 2" - 3" LIFTS MINIMUM COMPACTED -PROCESSED AGGREGATE BASE PAVEMENT THICKNESS MATERIAL COMPACTED IN 4" LIFTS SHALL BE 4"

#### PERMANENT PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")



#### PERMANENT PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



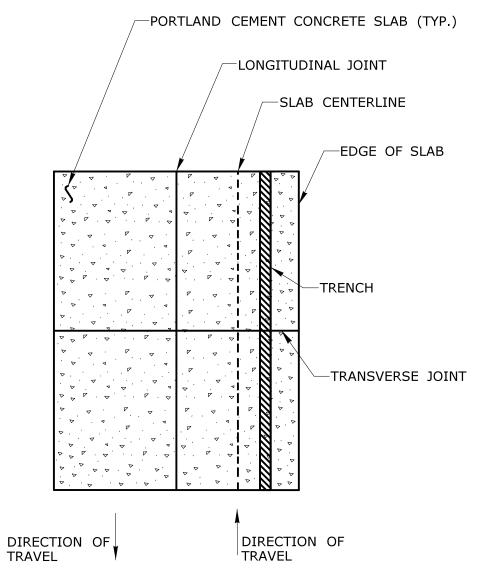
PERMANENT PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE

#### **GENERAL NOTES:**

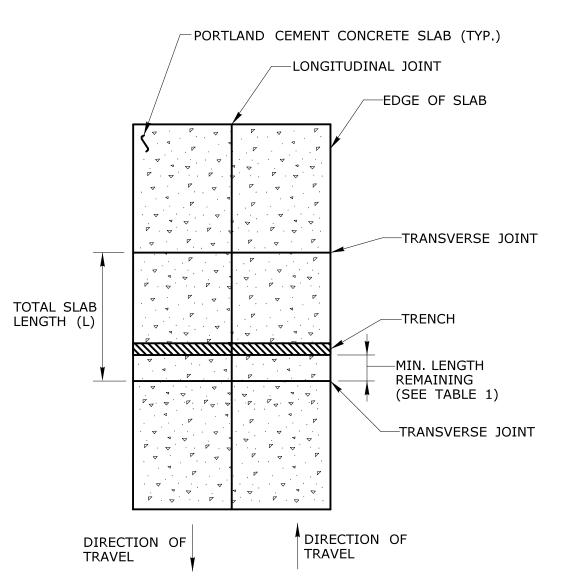
- 1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT
- A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD, IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:
  - a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS b. PLACE HMA SO.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"
- 2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:

TABLE 1			
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING		
40' OR LONGER	1/4 L		
15' - 40'	10'		
15' OR SHORTER	REBUILD TO NEAREST JOINT		

- A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:
  - a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS b. PLACE HMA SO.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS WITH THE FINAL LIFT BEING 2"



#### LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 1)



TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT

SIGNATURE/ BLOCK: ESIGNER/DRAFTER:

OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111

APPROVED BY:

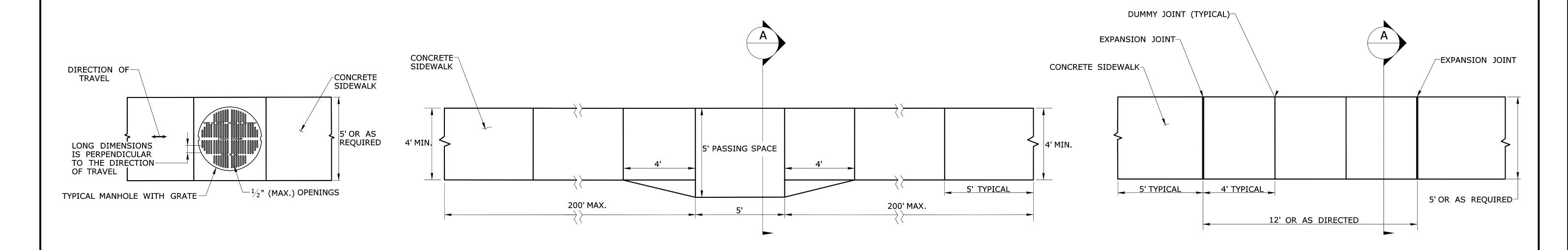
STATE OF CONNECTICUT **DEPARTMENT TRANSPORTATION** 

PROJECT NUMBER: #### PROJECT DESCRIPTION: #### TOWN(S): #### DRAWING TITLE: PAVEMENT REPAIR

3.13

#### **GENERAL NOTES:**

- 1. SEE CONCRETE SIDEWALK RAMPS GUIDE SHEETS FOR PEDESTRIAN RAMP TYPES.
- 2. ALL CURBING SHALL BE INSTALLED AS EITHER PRECAST OR CAST IN PLACE AS DIRECTED.

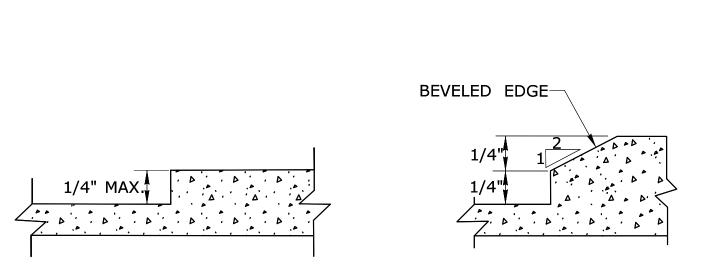


#### PEDESTRIAN ACCESS ROUTE **OVER A MANHOLE WITH GRATE**

- 1. HORIZONTAL OPENINGS IN GRATES AND JOINTS MUST NOT BE MORE THAN  $^{1}\!\!/_{2}$  INCH
- 2. ELONGATED OPENINGS IN GRATES MUST BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL

#### 5' PASSING SPACE FOR 4' WIDE SIDEWALK **PLAN**

PASSING SPACES SHALL BE PROVIDED AT INTERVALS OF 200' MAXIMUM FOR SIDEWALKS LESS THAN 5' IN WIDTH 5' WIDE SIDEWALK **PLAN** 



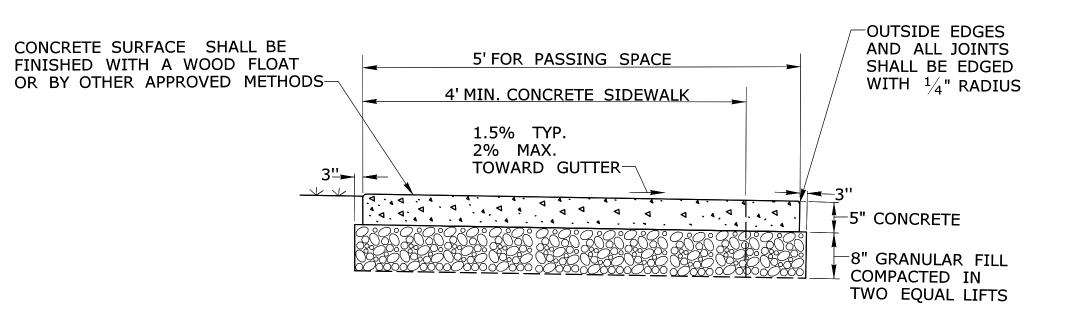
BLOCK:

### **VERTICAL SURFACE DISCONTINUITIES**

VERTICAL SURFACE DISCONTINUITIES MUST BE BEVELED TO A HEIGHT NOT GREATER THAN  $\frac{1}{4}$  INCH. THE BEVEL MUST BE THE ENTIRE WIDTH OF THE DISCONTINUITY.

2800 BERLIN TURNPIKE

NEWINGTON, CT 06111



#### 5' PASSING SPACE FOR 4' WIDE SIDEWALK

SECTION A

APPROVED BY: OFFICE OF ENGINEERING

STATE OF CONNECTICUT TRANSPORTATION

PROJECT NUMBER: #### PROJECT DESCRIPTION: #### DRAWING TITLE: CONCRETE SIDEWALKS AND RAMPS

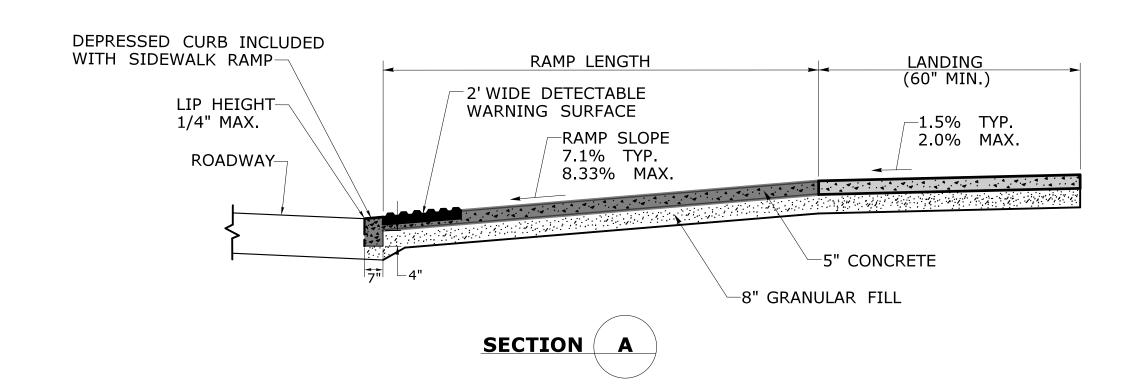
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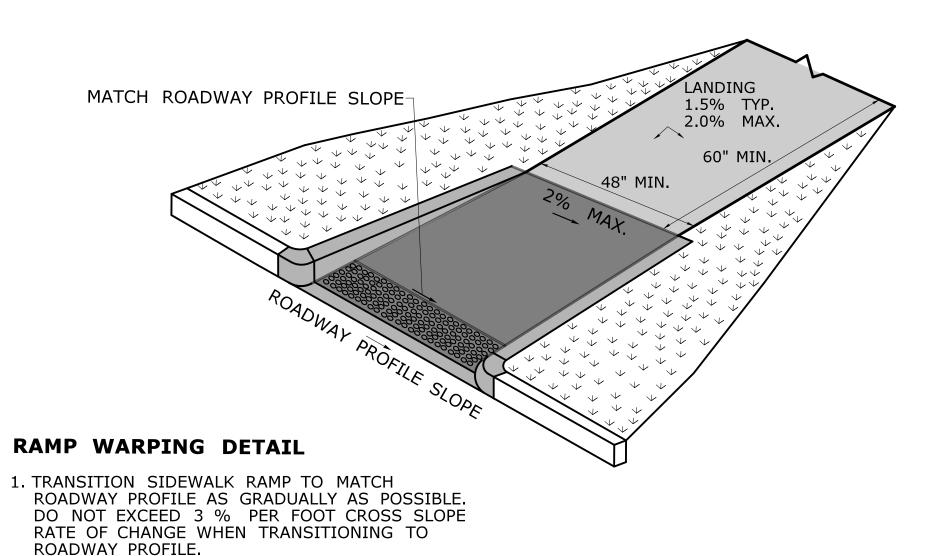
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DESIGNER/DRAFTER:

## LASTED SAVED BY: RichardEH FILE NAME: W:\CT\_CONNECT\_DDE\CT\_Configuration\Organization\Cell\CTDOT\_Borders\_Contract.cel PLOTTED DATE: 10/15/2021

## 1.5% TYP. 2.0% MAX. CURBING-60" MIN. SLOPED CURBING INCLUDED-WITH RAMP (TYP.) 2' WIDE DETECTABLE WARNING SURFACE LIP HEIGHT-1/4" MAX. PERPENDICULAR SIDEWALK RAMP AND SECTION





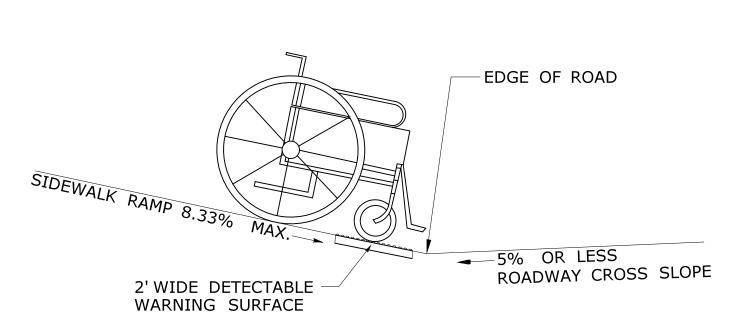
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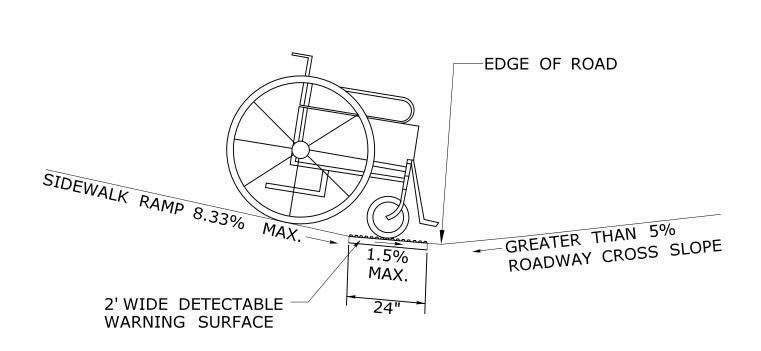
2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.

### **GENERAL NOTES:**

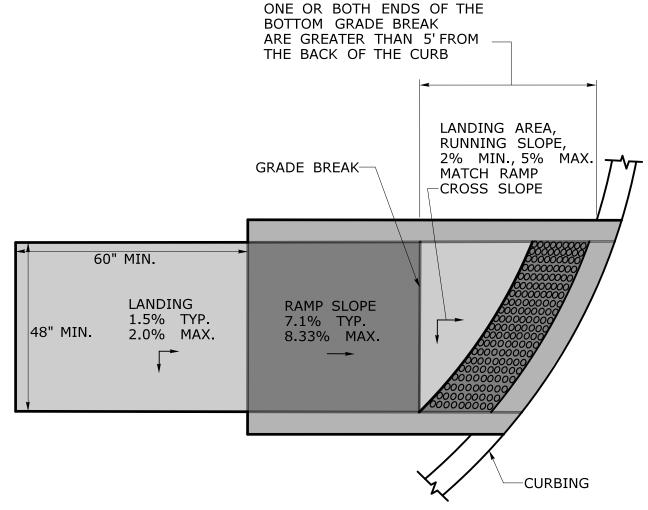
- 1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. 2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED  $\frac{1}{4}$  INCH.
- 3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
- 4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.



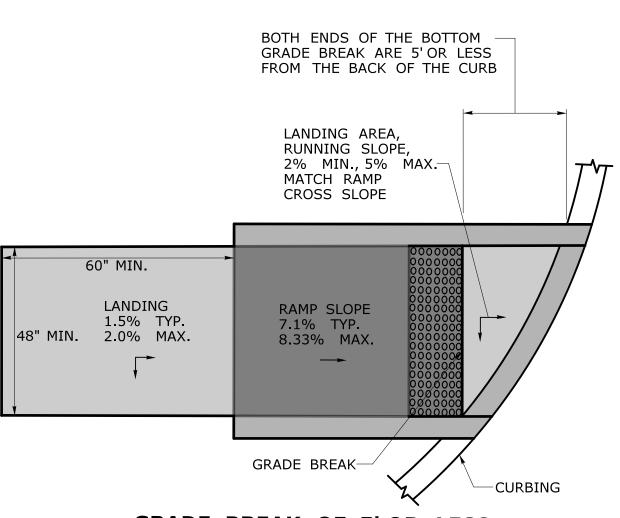
#### SIDEWALK RAMP GRADE AT **ROADWAY CROSS SLOPE OF 5% OR LESS GUTTER COUNTER SLOPE**



SIDEWALK RAMP GRADE AT **ROADWAY CROSS SLOPE OF GREATER THAN 5% GUTTER COUNTER SLOPE** 

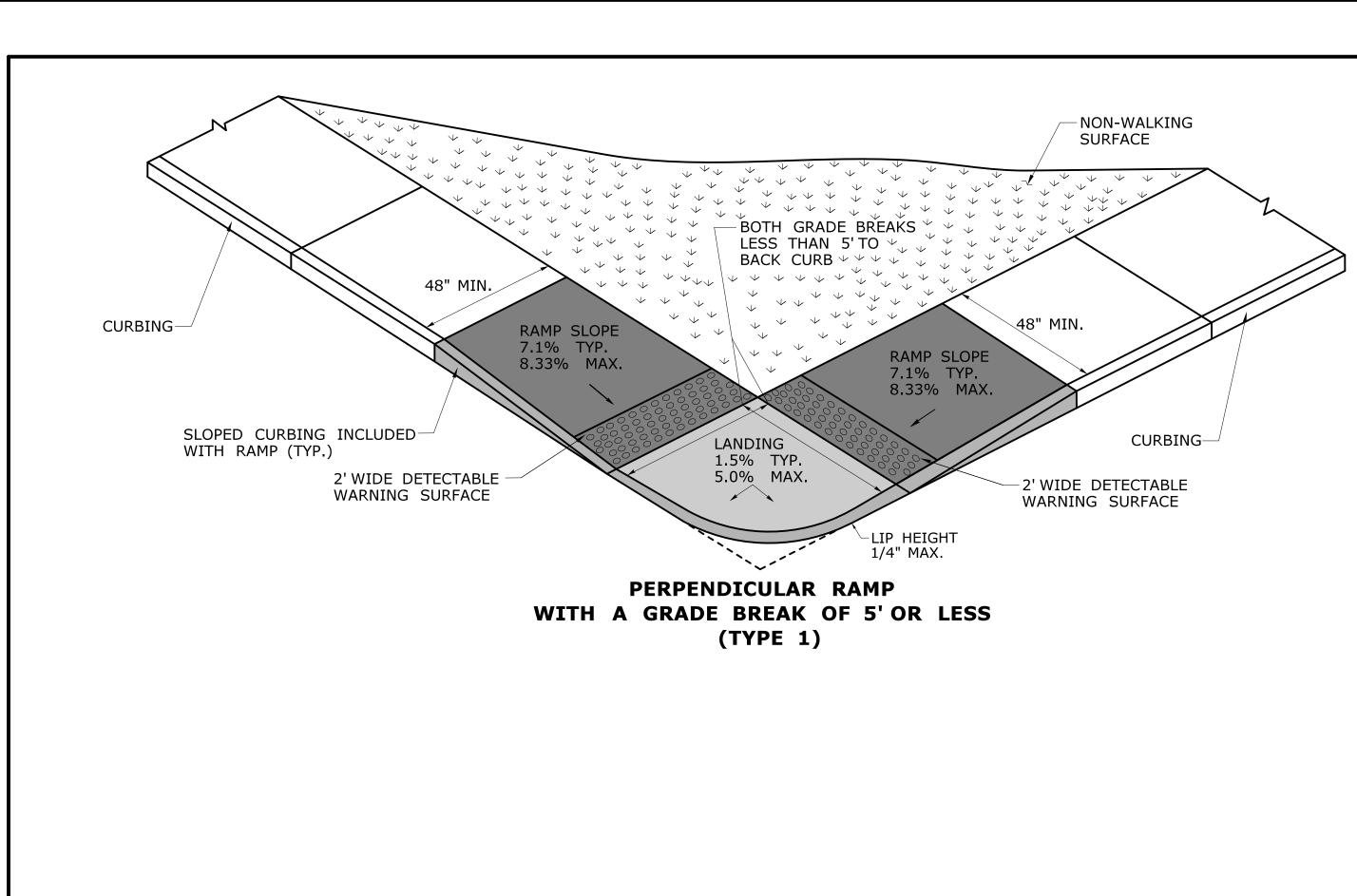


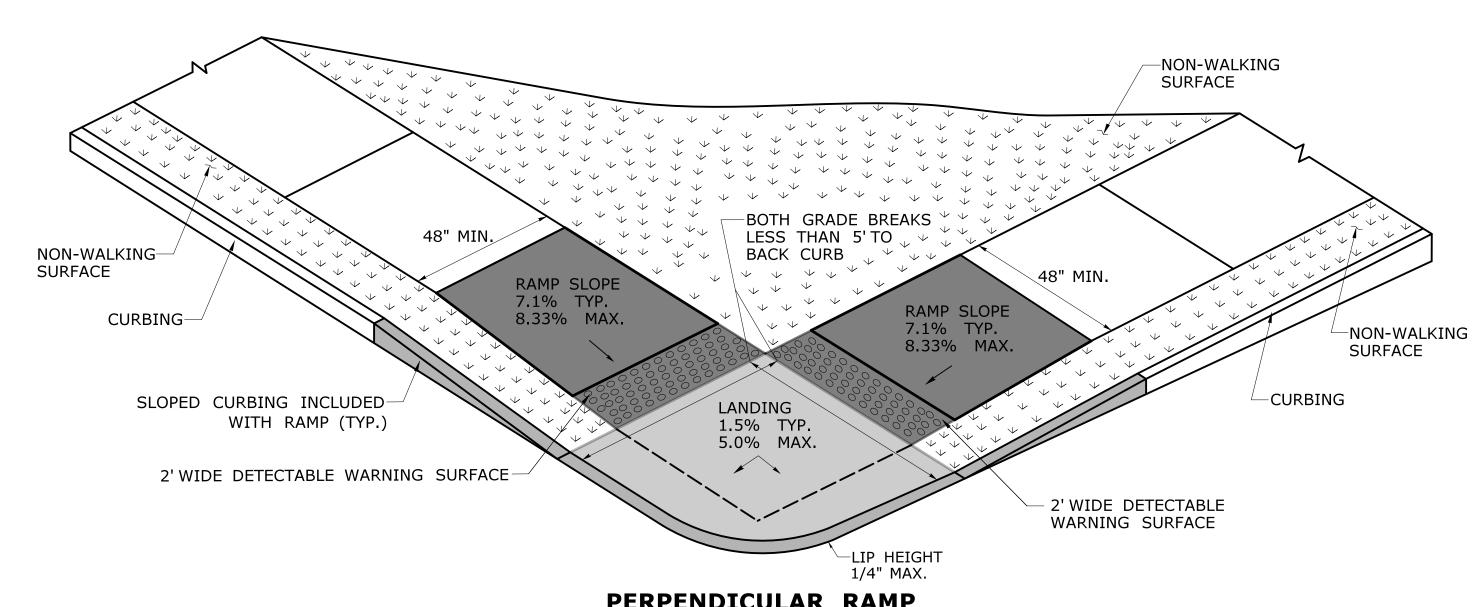
**GRADE BREAK GREATER THAN 5'** DETECTABLE WARNING SURFACE LOCATION



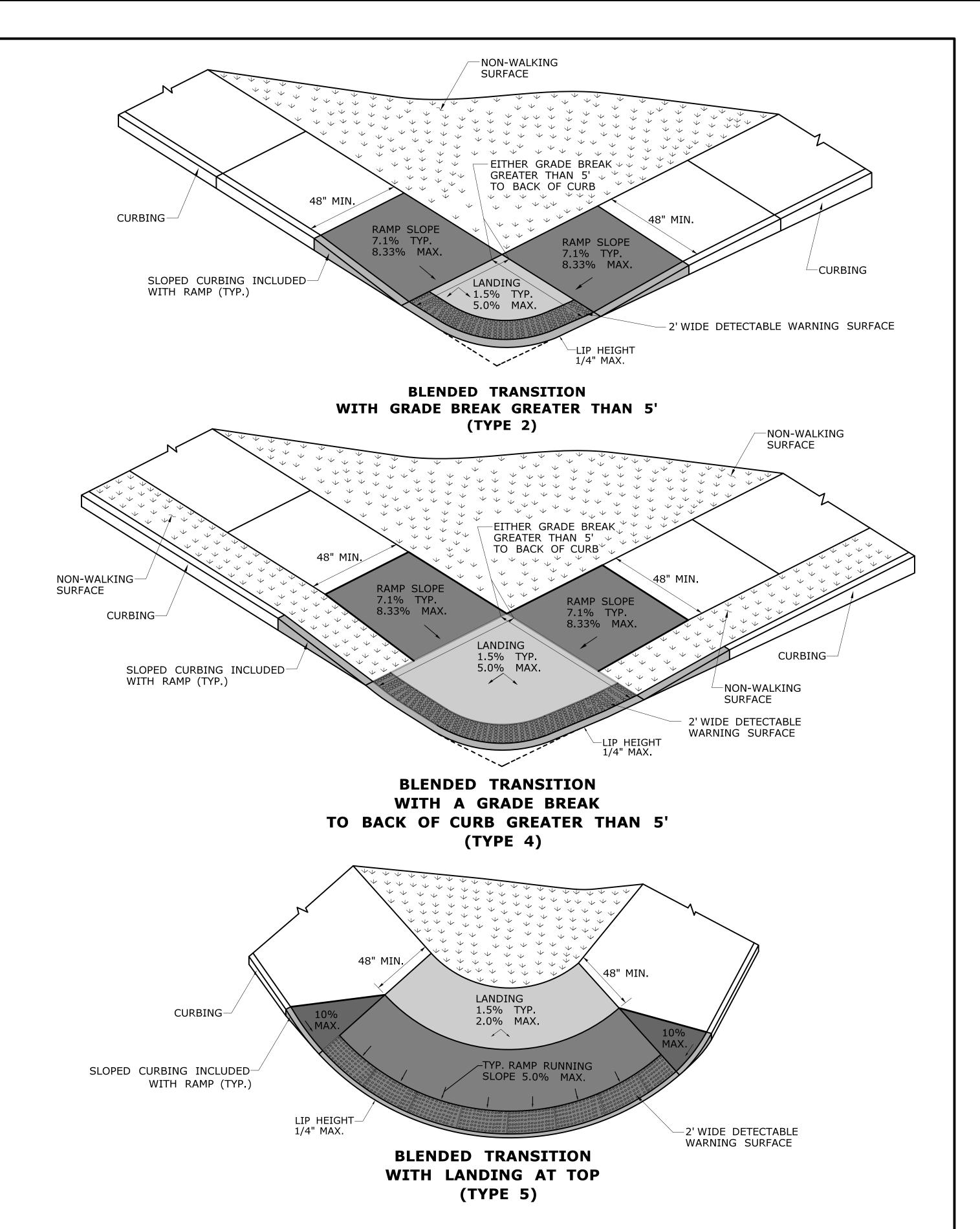
**GRADE BREAK OF 5' OR LESS** DETECTABLE WARNING SURFACE LOCATION

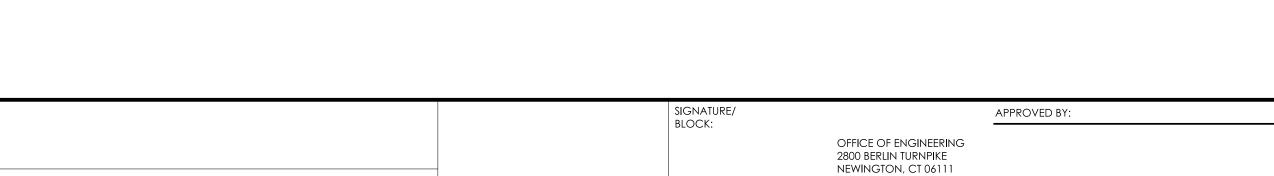
DESIGNER/DRAFTER:





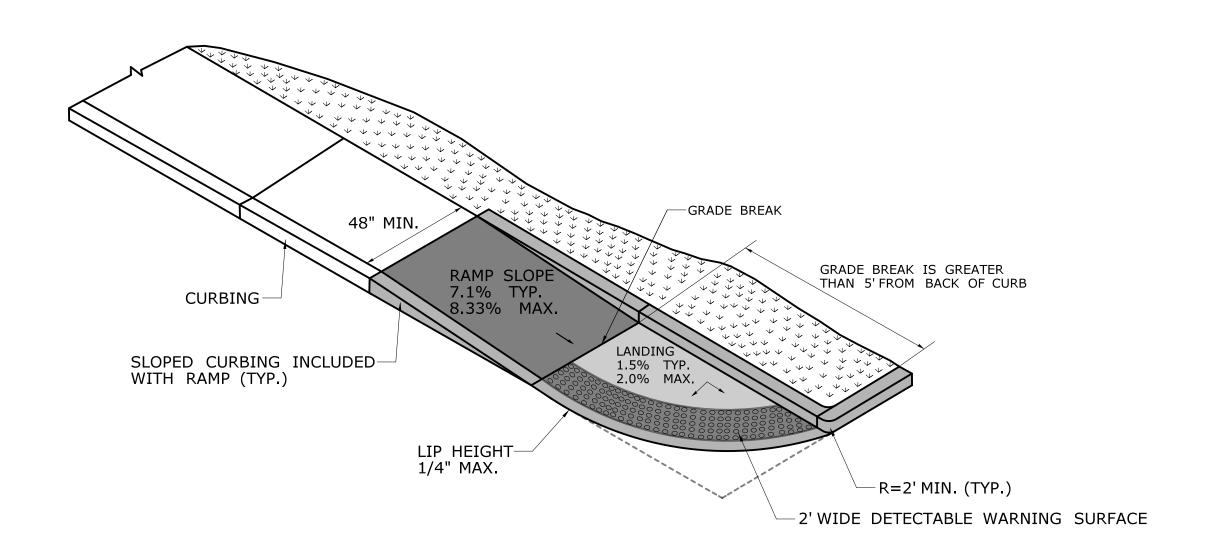
PERPENDICULAR RAMP WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS (TYPE 3)



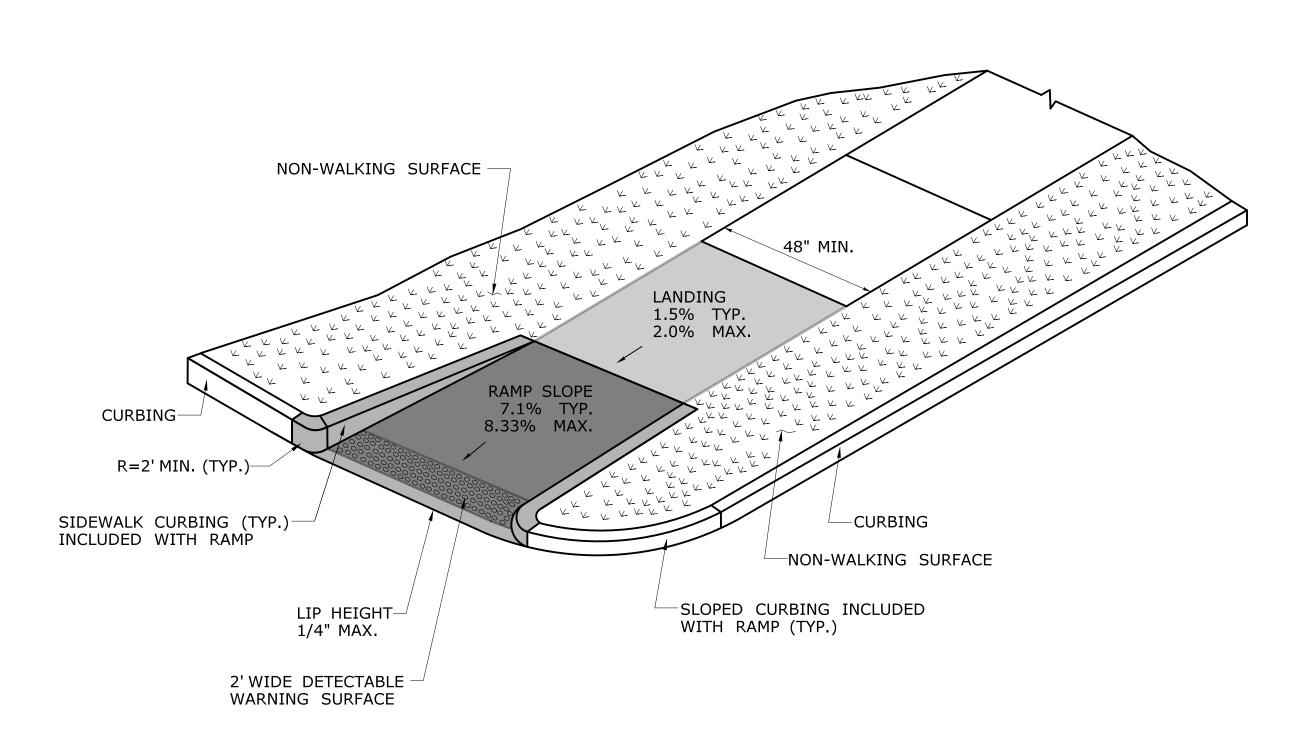




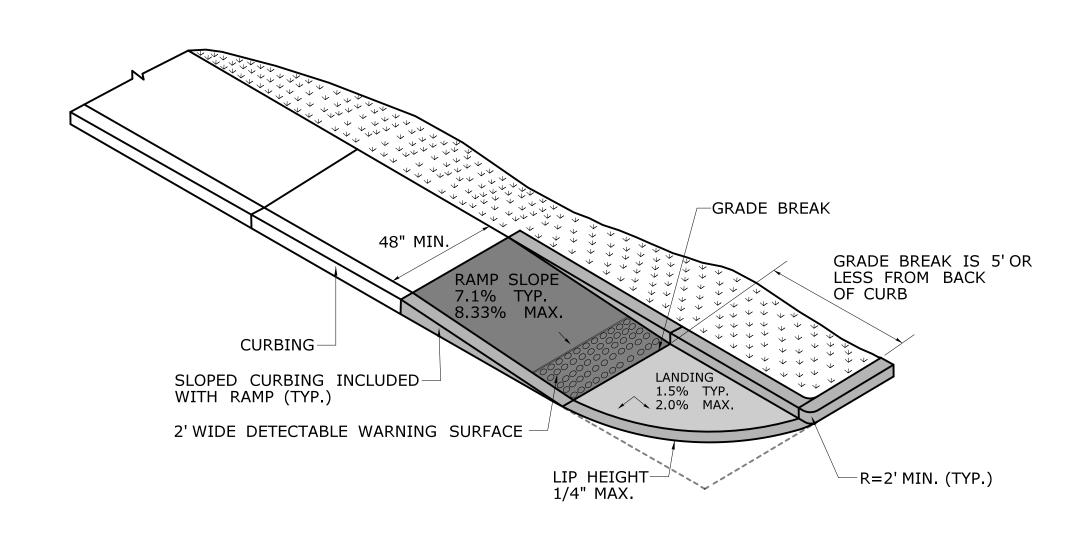
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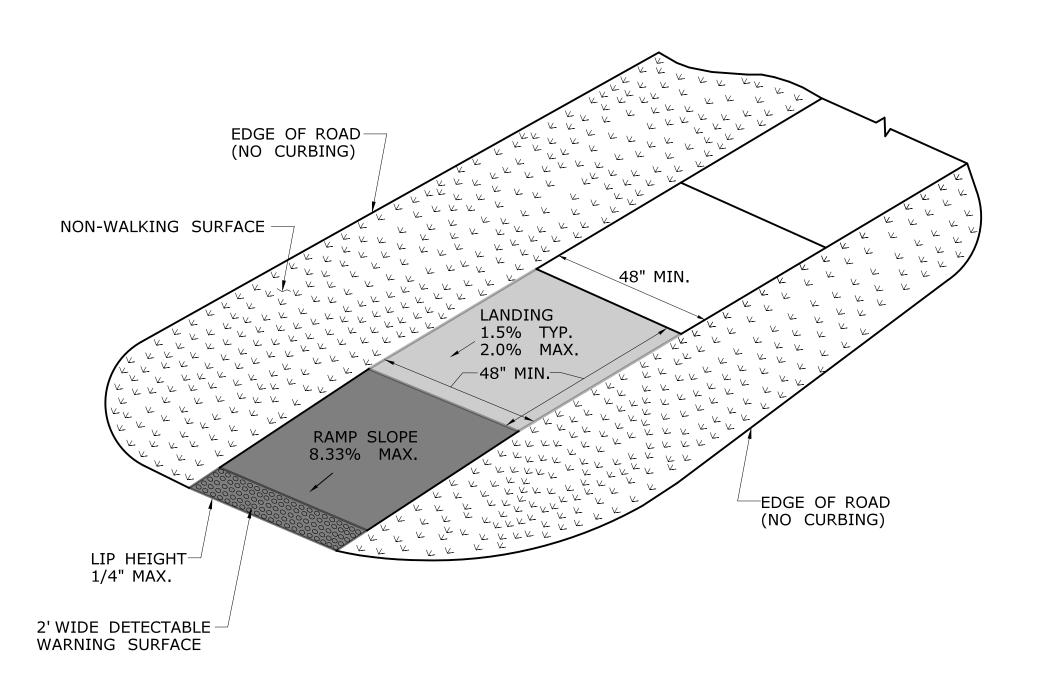
#### SINGLE DIRECTION RAMP WITHOUT NON-WALKING SURFACE **GRADE BREAK GREATER THAN 5'** (TYPE 14)



### SINGLE DIRECTION - RETURN CURB WITH NON-WALKING SURFACE (TYPE 16)



#### SINGLE DIRECTION RAMP WITHOUT NON-WALKING SURFACE **GRADE BREAK 5' OR LESS** (TYPE 15)



SINGLE DIRECTION - NO CURB WITH NON-WALKING SURFACE (TYPE 17)

SIGNATURE/ BLOCK: APPROVED BY: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111



STATE OF CONNECTICUT TRANSPORTATION

PROJECT NUMBER: #### PROJECT DESCRIPTION: #### DRAWING TITLE: CONCRETE SIDEWALK RAMP SHEET 6

#### 3.17

## 05 - TRAFFIC INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
TR-GS-01 TO TR-GS-03	GUIDE SHEETS		

FINAL DESIGN REVIEW

					DESI
				THE INFORMATION, INCLUDING ESTIMATED	L.
·				QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED	CHE
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REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: JANUARY 2023	

DESIGNER/DRAFTER:
L. AL-ATTAR, J. LECOUR
CHECKED BY:
R.SCRITTORALE



Filename: 70681.00\_Newtown\_Sidewalk\_Sugar\_St.

TOWN OF NEWTOWN

CONSULTANT		PROJECT TITLE:	
b	enesch	P	BOROUGI EDESTRIA SUG

GH OF NEWTOWN IAN IMPROVEMENTS
IGAR STREET

OWN:	NEWTOWN	PROJECT NO. 70681.00
RAWING TITL	<del></del>	T-01
IN	IDEX OF DRAWINGS	SHEET NO. <b>5.01</b>

