COLCHESTER TOWN GREEN BICYCLE & PEDESTRIAN IMPROVEMENT PROJECT
ADDENDUM NO. 2
SEPTEMBER 10, 2021

TO ALL BIDDERS:

All instructions contained in this addendum shall be reflected in the Bid and will be made part of the Contract Documents when the Contract is awarded. Sealed Bids are still due to be received at the office of the First Selectman of the Town of Colchester, 127 Norwich Avenue, Suite 201, Colchester, Connecticut, 06415; Attention: Ms. Mary Bylone, First Selectman until **2:00 p.m. prevailing time on Wednesday, September 15, 2021**

Addenda will be issued to those contractors who attended the mandatory prebid meeting and posted on the Town's website. It is the responsibility of contractors bidding the project to distribute copies of this addendum to all subcontractors, suppliers and other entities providing quotations.

The following questions received from contractors form this addendum:

1. Is there a specification on what should be done with existing exposed roots in the existing paths? Should they be cut or will the new path be compacted over the existing roots?

2. Is it possible to get a view cut of the bulletin board? We would like to know if there is a plywood overlay, and are the studs are 2x4?

3. The detail sheet and the layout sheet seem to contradict each other regarding the electrical conduit. The layout plan states (1) two inch PVC conduit on each side of the walkway, though the detail sheet shows the conduit trench with two PVC conduit. We would like clarification on the amount of PVC piping and the locations.

4. Will any of the existing electrical be reused, or is it all to be new conduit and wiring from the electrical box on? Is the intent to remove all existing conduit, wiring, and electrical posts and replace them with new conduit and wiring for the lamp posts?

5. Will the bus shelter plan be released soon? Need to know If I will need a metal fabricator or if it is a prefabricated structure that I will need to find?

In addition to the questions above, this addendum also includes a photometric plan, as well as an updated detail sheet.

Responses and Clarifications:

Please accept the following responses in ***bold italic*** below each question.

1. Is there a specification on what should be done with existing exposed roots in the existing paths? Should they be cut or will the new path be compacted over the existing roots?

   Response: ***The proposed path shall be laid out in such a way to avoid existing roots to the greatest extent possible. The exact route of the proposed path shall be field verified. The intent of the proposed pathway is to protect and preserve all existing trees on the property.***

2. Is it possible to get a view cut of the bulletin board? We would like to know if there is a plywood overlay, and are the studs are 2x4?

   Response: ***The event board shall be reconstructed with pressure treated materials and galvanized or stainless steel hardware. Structural and aesthetic design elements shall match the exiting board, and any variation from existing event board's design and construction shall be reviewed and approved by town staff prior to fabrication. It is our recommendation at this time that contractors shall conduct a site visit to examine the materials and construction of the existing board and plan on matching that to the greatest extent possible.***

3. The detail sheet and the layout sheet seem to contradict each other regarding the electrical conduit. The layout plan states (1) two inch PVC conduit on each side of the walkway, though the detail sheet shows the conduit trench with two PVC conduit. We would like clarification on the amount of PVC piping and the locations.

   Response: ***See the attached revised detail sheet. The revised detail sheet includes a detail for a single underground conduit for areas along either side of the pathway, as well as a detail for multiple underground conduits for the area connecting the conduits along the path to the electrical service connection box.***

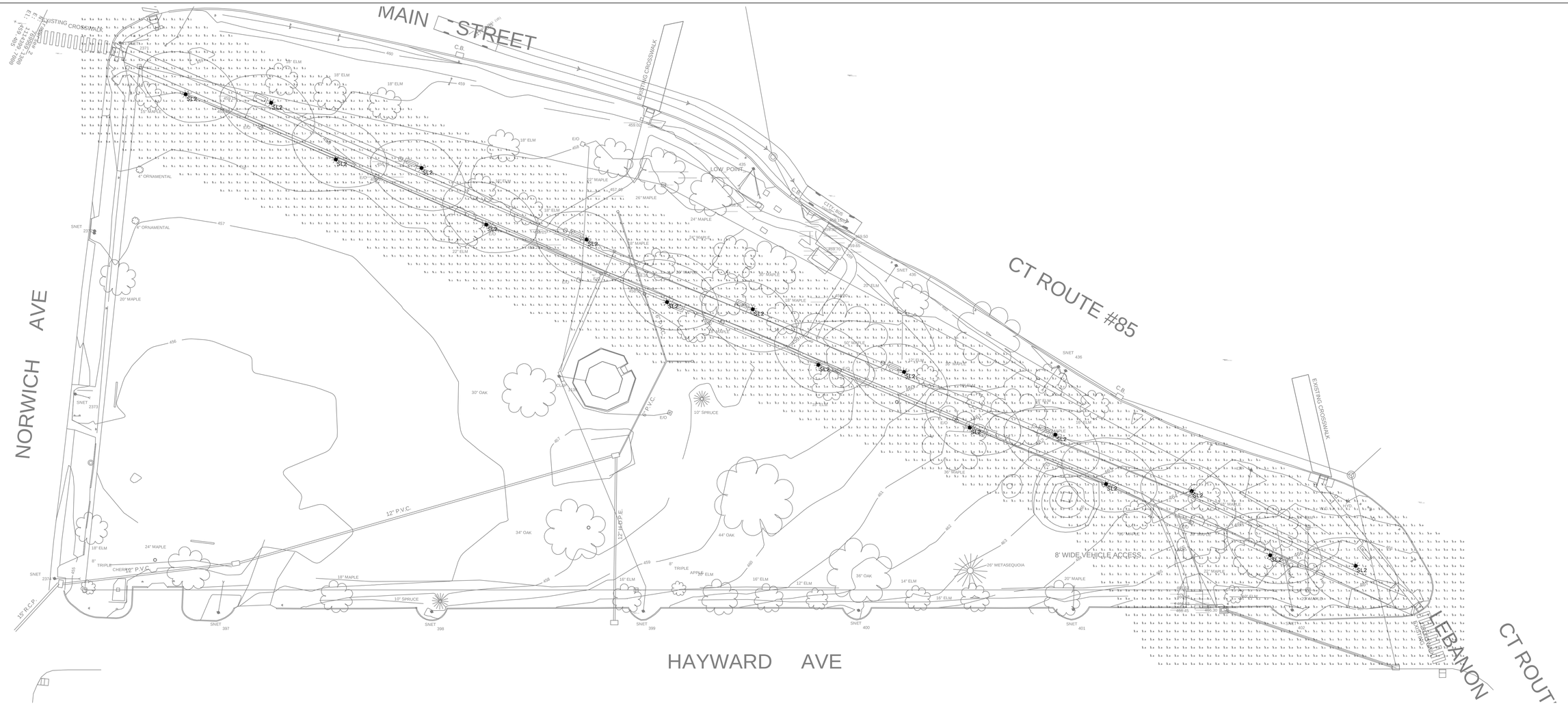
4. Will any of the existing electrical be reused, or is it all to be new conduit and wiring from the electrical box on? Is the intent to remove all existing conduit, wiring, and electrical posts and replace them with new conduit and wiring for the lamp posts?

   Response: ***The scope of work includes installing all new conduit and wiring from the electrical box on, unless specifically noted. Existing conduit, wiring and electrical posts shall be removed and/or abandoned in place and replaced with new conduit and wiring, unless otherwise noted.***

5. Will the bus shelter plan be released soon? Need to know If I will need a metal fabricator or if it is a prefabricated structure that I will need to find?

   Response: ***Plans for the bus shelter are still being developed by the architect. The allowance provided is intended to cover all work related to the bus shelter as final plans and documents have not yet been completed at this time.***

6. **Additional light pole specifications have been provided by apex lighting solutions. The Luminaire Schedule for this project includes 16 HADCO VX151-48-G3-A-F-2-N-730-A-3-SP1-L / MOUNTED TO VI-D/INT/CI/11FT7IN-DB-WPC-3INX3IN TENON-AB poles.**



JOB NAME: COLCHESTER TOWN GREEN - BIKE & PEDESTRIAN IMPROVEMENTS - COLCHESTER, CT
APEX LIGHTING SOLUTIONS
WORKPLANE/CALC PLANE: AT FINISH GRADE
MOUNTING HEIGHT: SEE LUMINAIRE SCHEDULE
APPS: LED
SALES: SP
SPECIFIER: TOWN OF COLCHESTER & ANCHOR ENGINEERING

Luminaire Schedule							
Qty	Label	Arrangement	Lumens	Input Watts	LLF	BUG Rating	Description
16	SL2	SINGLE	5483	51	0.850	B2-U3-G3	HADCO VX151-48-G3-A-F-2-N-730-A-3-SP1-L / MOUNTED TO VI-D/INT/CI/11FT7IN-DB-WPC-3INX3IN TENON-AB

Calculation Summary						
Label	Grid Height	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	0	0.70	3.4	0.0	N.A.	N.A.
BIKE & PEDESTRIAN PATH		2.21	3.4	0.2	11.05	17.00

GENERAL DISCLAIMER:

Calculations have been performed according to IES standards and good practice Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

* LLF Determined Using Current Published Lamp Data

NOTE TO REVIEWER:

Total Light Loss Factor (LLF) applied at time of design is determined by applying the Lamp Lumen Depreciation (LLD) from current lamp manufacturer's catalog, a Luminaire Dirt Depreciation Factor (LDD) based on IES recommended values and a Ballast Factor (BF) from current ballast specification sheets. Application of an incorrect Light Loss Factor (LLF) will result in forecasts of performance that will not accurately depict actual results.

For proper comparison of photometric layouts, it is essential that you insist all designers use correct Light Loss Factors.

APEX LIGHTING SOLUTIONS
THE POINT WHERE ALL ASCENDING LINES CONVERGE
telephone 860.632.8766
www.apexlightingsolutions.com

PROJECT TITLE:

COLCHESTER TOWN GREEN
BIKE & PEDESTRIAN IMPROVEMENTS
COLCHESTER, CT

DRAWING TITLE:

SITE LIGHTING
PHOTOMETRIC CALCULATION

SCALE : 1"=30'-0"

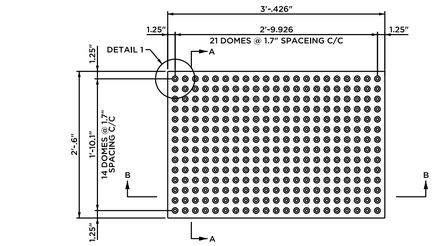
DATE: 9/9/21

DRAWN BY: LED

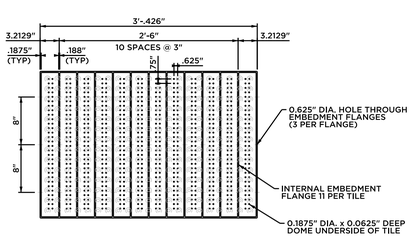
SHEET:

SL-1

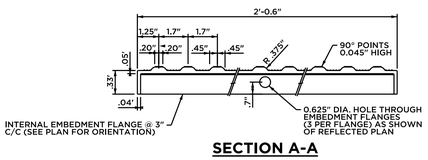
FILE NAME: SL-1 COLCHESTER TOWN GREEN - BIKE & PED IMPROVEMENTS - COLCHESTER, CT 09-09-2021 LED.dwg



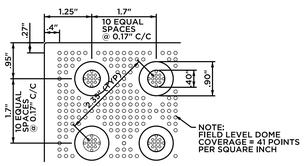
PLAN - TILE



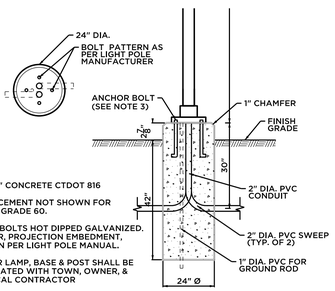
REFLECTED PLAN - TILE



SECTION A-A



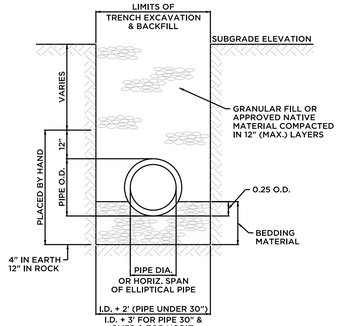
DETAIL 1



NOTES:
1. CLASS "F" CONCRETE CTDOT 816
2. REINFORCEMENT NOT SHOWN FOR CLARITY. GRADE 60.
3. ANCHOR BOLTS HOT DIPPED GALVANIZED. DIAMETER, PROJECTION EMBEDMENT, LOCATION PER LIGHT POLE MANUAL.
4. EXTERIOR LAMP, BASE & POST SHALL BE COORDINATED WITH TOWN, OWNER, & ELECTRICAL CONTRACTOR

LIGHT POLE & BASE

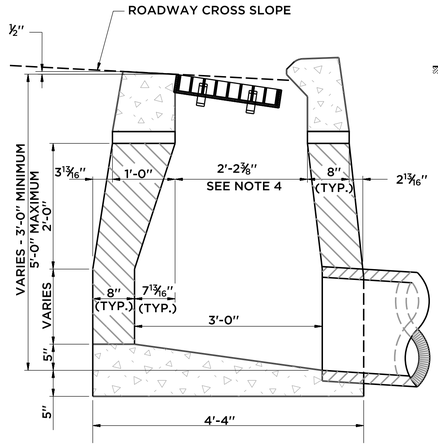
NOT TO SCALE



NOTES:
1. ALL PIPE TO BE HDPE UNLESS OTHERWISE SPECIFIED.
2. USE WATERTIGHT RUBBER GASKETS IN ALL PIPE JOINTS.

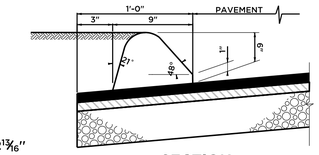
TRENCHING & BACKFILLING

NOT TO SCALE



TYPE "C" DROP INLET

NOT TO SCALE

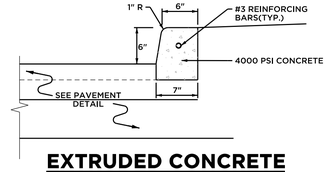


SECTION

CURB NOTES:
1. SURFACE ON WHICH CURBING IS PLACED SHALL BE CLEAN AND AN APPROVED TACK COAT SHALL BE APPLIED JUST PRIOR TO PLACING CURB.
2. CURBING SHALL BE MACHINE EXTRUDED.

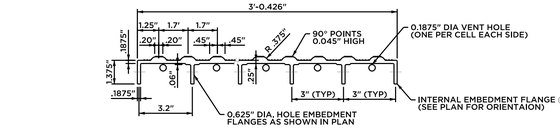
BITUMINOUS CONCRETE CURB (BCLC)

NOT TO SCALE

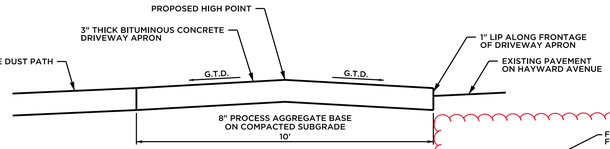


EXTRUDED CONCRETE LIP CURB (ECLC)

NOT TO SCALE

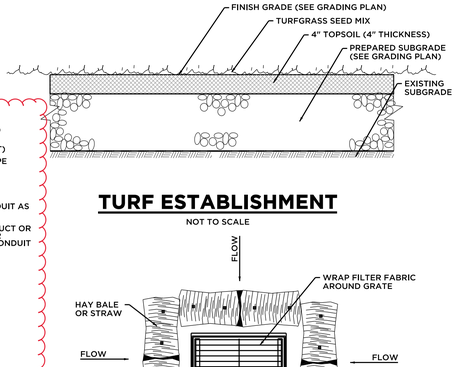


SECTION B-B



10' x 10' DRIVEWAY APRON

NOT TO SCALE

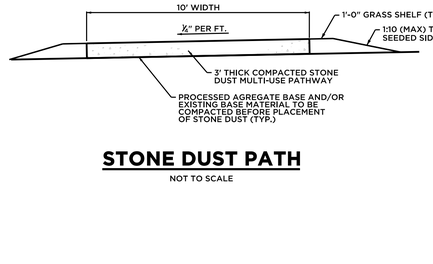


TYPICAL UG CONDUIT (SINGLE CONDUIT)

NOT TO SCALE

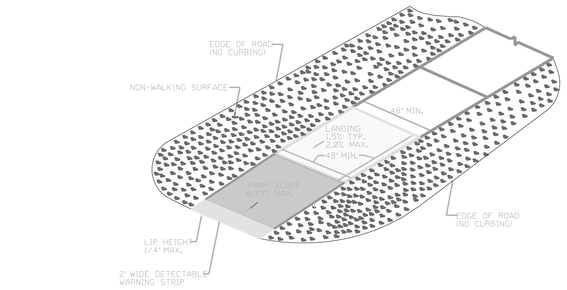
TURF ESTABLISHMENT

NOT TO SCALE



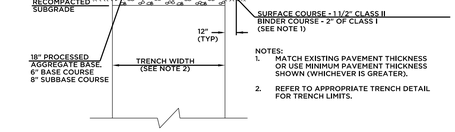
STONE DUST PATH

NOT TO SCALE



PAVEMENT REPAIR

NOT TO SCALE

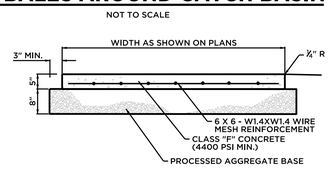


NOTES:
1. MATCH EXISTING PAVEMENT THICKNESS OR USE MINIMUM PAVEMENT THICKNESS SHOWN (WHICHEVER IS GREATER).
2. REFER TO APPROPRIATE TRENCH DETAIL FOR TRENCH LIMITS.

PLAN

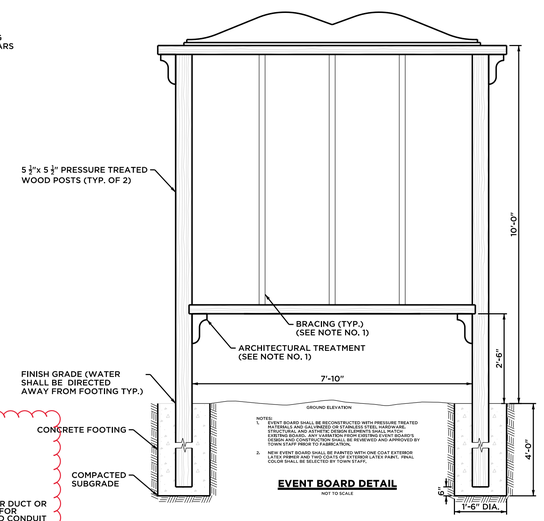
HAY BALES AROUND CATCH BASIN

NOT TO SCALE



CONCRETE PAD

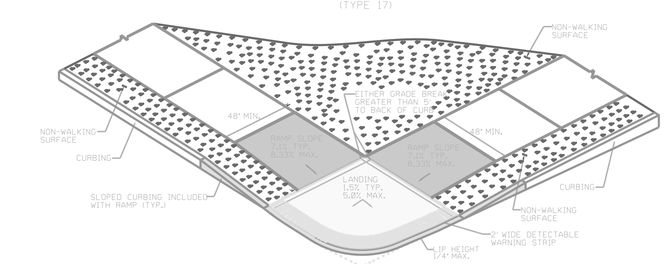
NOT TO SCALE

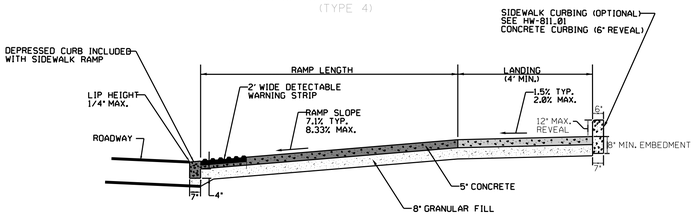


NOTES:
1. EVENT BOARD SHALL BE RECONSTRUCTED WITH PRESSURE TREATED MATERIALS AND GALVANIZED OR STAINLESS STEEL HARDWARE. STRUCTURAL AND AESTHETIC DESIGN ELEMENTS SHALL MATCH EXISTING EVENT BOARD AS CLOSELY AS POSSIBLE. ANY CHANGES TO DESIGN AND CONSTRUCTION SHALL BE REVIEWED AND APPROVED BY TOWN STAFF PRIOR TO CONSTRUCTION.
2. NEW EVENT BOARD SHALL BE PAINTED WITH ONE COAT EXTERIOR LATEX PRIMER AND TWO COATS OF EXTERIOR LATEX PAINT. FINAL COLOR SHALL BE SELECTED BY TOWN STAFF.

EVENT BOARD DETAIL

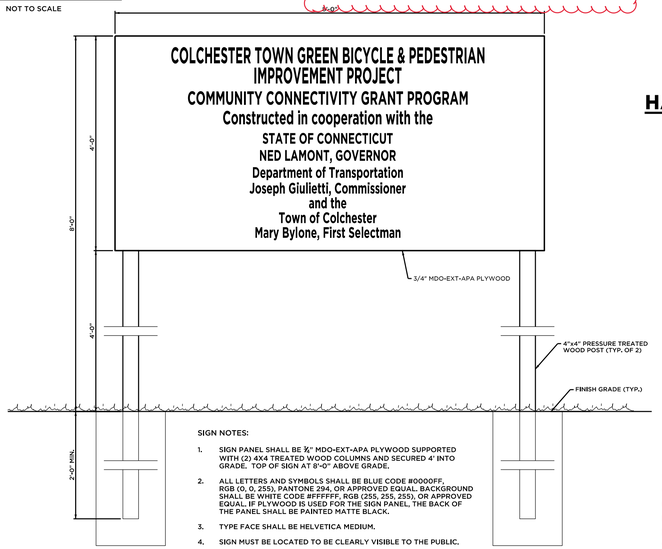
NOT TO SCALE





TYPICAL SIDEWALK RAMP SECTION

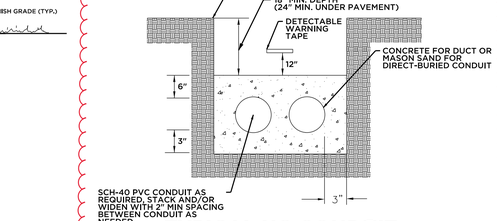
NOT TO SCALE



SIGN NOTES:
1. SIGN PANEL SHALL BE ¾" MDO-EXT-APA PLYWOOD SUPPORTED WITH (2) 4X4 TREATED WOOD COLUMNS AND SECURED 4' INTO GRADE. TOP OF SIGN AT 8'-0" ABOVE GRADE.
2. ALL LETTERS AND SYMBOLS SHALL BE BLUE CODE #0000FF, RGB (0, 0, 255), PANTONE 294, OR APPROVED EQUAL. BACKGROUND SHALL BE WHITE CODE #FFFFFF, RGB (255, 255, 255), OR APPROVED EQUAL. IF PLYWOOD IS USED FOR THE SIGN PANEL, THE BACK OF THE PANEL SHALL BE PAINTED MATTE BLACK.
3. TYPE FACE SHALL BE HELVETICA MEDIUM.
4. SIGN MUST BE LOCATED TO BE CLEARLY VISIBLE TO THE PUBLIC.
5. SIGN SHALL BE INSTALLED AT THE START OF CONSTRUCTION AND REMOVED AT CONSTRUCTION COMPLETION.
6. SEE STATE OF CONNECTICUT DEPARTMENT TRANSPORTATION CT CONNECTIVITY CCGP, REQUIREMENTS FOR PROJECT FUNDING SIGNS DOCUMENT FOR MORE DETAILS.
7. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO ORDERING AND INSTALLING.

STATE OF CONNECTICUT - PROJECT SIGN

NOT TO SCALE



TYPICAL UG CONDUIT (MULTIPLE CONDUIT)

NOT TO SCALE

J:\08417\Design\PLOT_Colchester Green.dgn

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Civil Engineering • Environmental Consulting • Land Surveying • Construction Management

PROJ. ENGINEER	MJP
PROJ. MANAGER	KRG
OFFICE REVIEW	MMZ

REVISIONS

SCALE: AS NOTED

SITE DETAILS

PREPARED FOR TOWN OF COLCHESTER

COLCHESTER TOWN GREEN BICYCLE & PEDESTRIAN IMPROVEMENT PROJECT

NORWICH AVENUE (RT. 616) COLCHESTER, CT

PROJECT	DATE	SHEET NO.		
84-17	06/08/21	3	OF	3