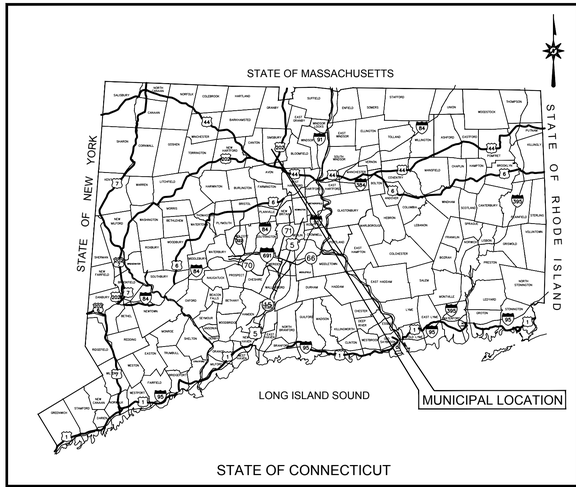


LOCATION MAP

N.T.S.

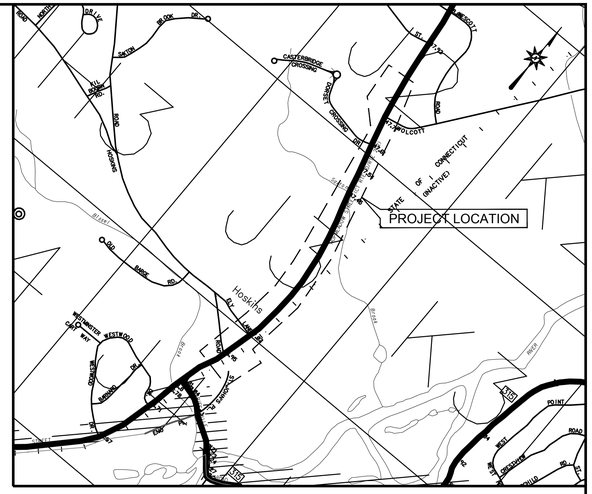
FINAL DESIGN SUBMISSION

LOTCIP PROJECT NO. L128-0002
HOPMEADOW STREET CONNECTIVITY PROJECT
HOPMEADOW STREET (CT RTE 10/US RTE 202)
SIMSBURY, CONNECTICUT

PREPARED FOR:

TOWN OF SIMSBURY
66 TOWN FOREST ROAD
WEST SIMSBURY, CT 06092

DIRECTOR OF PUBLIC WORKS: TOM ROY, P.E.



VICINITY MAP

SCALE: 1"=1,000'

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION FROM 818, DATED 2020; SUPPLEMENTAL SPECIFICATIONS DATED JULY 2021; AND SPECIAL PROVISIONS.

ALL HORIZONTAL GEOMETRY ON THIS PROJECT IS BASED ON A FIELD SURVEY PERFORMED BY BL COMPANIES DATED: DECEMBER 2020 ON HORIZONTAL DATUM NAD83.

ALL ELEVATIONS ON THIS PROJECT BASED ON NAVD88.

DESIGN STANDARDS:

TOWN OF SIMSBURY DESIGN STANDARDS.

CONNECTICUT DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL (2003) AND REVISIONS (2020).

SIDEWALK TO BE MAINTAINED BY THE TOWN OF SIMSBURY.

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MDS-01	MISCELLANEOUS DETAILS
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XSC-01 - 06	HOPMEADOW STREET CROSS SECTIONS
XSC-07	ADDITIONAL CROSS SECTIONS
S-01	RETAINING WALL PLAN AND SECTION VIEW
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GD-12 - 14	SIGN FACE SHEET ALUMINUM GUIDE SHEETS
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	HIGHWAY STANDARD INDEX SHEETS
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HW-586_01	CATCH BASIN AND DROP INLET TYPES "C" AND "C-L"
HW-586_07	CATCH BASIN TOPS TYPE "C" AND "C-L"
HW-586_08	CATCH BASIN FRAMES AND GRATES
HW-586_10a	MANHOLE FRAME AND COVER
HW-811_01	CONCRETE CURBING
HW-815_01	BITUMINOUS CONCRETE CURBING
HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB
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HW-911_01	R-B END ANCHORAGE TYPE I AND II
HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS
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	TRAFFIC STANDARD INDEX SHEET
TR-1010-01	CONCRETE HANDHOLE
TR-1205_01	DELINEATION, DELINEATORS AND OBJECT MARKER DETAILS
TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS
TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS
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TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS
TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

PREPARED BY:

BL Companies
ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING
100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103
(860) 249-2200
(860) 249-2400 Fax

TOWN OF SIMSBURY, CONNECTICUT

APPROVED BY: Maria E. Capriola

MARIA CAPRIOLA
TOWN MANAGER
4/22/2022
DATE

BL Companies
100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103

MICHAEL FISHER, P.E.
CT. PROFESSIONAL ENGINEER REG. NO. 21170
04/22/2022
DATE

STATE OF CONNECTICUT · MICHAEL G. FISHER · No. 21170 · LICENSED PROFESSIONAL ENGINEER

DATES

ISSUE DATE: FEBRUARY 10, 2022
REVISION:

CAD FILE: TSH200035301
XREF(S): XXXXXXXX

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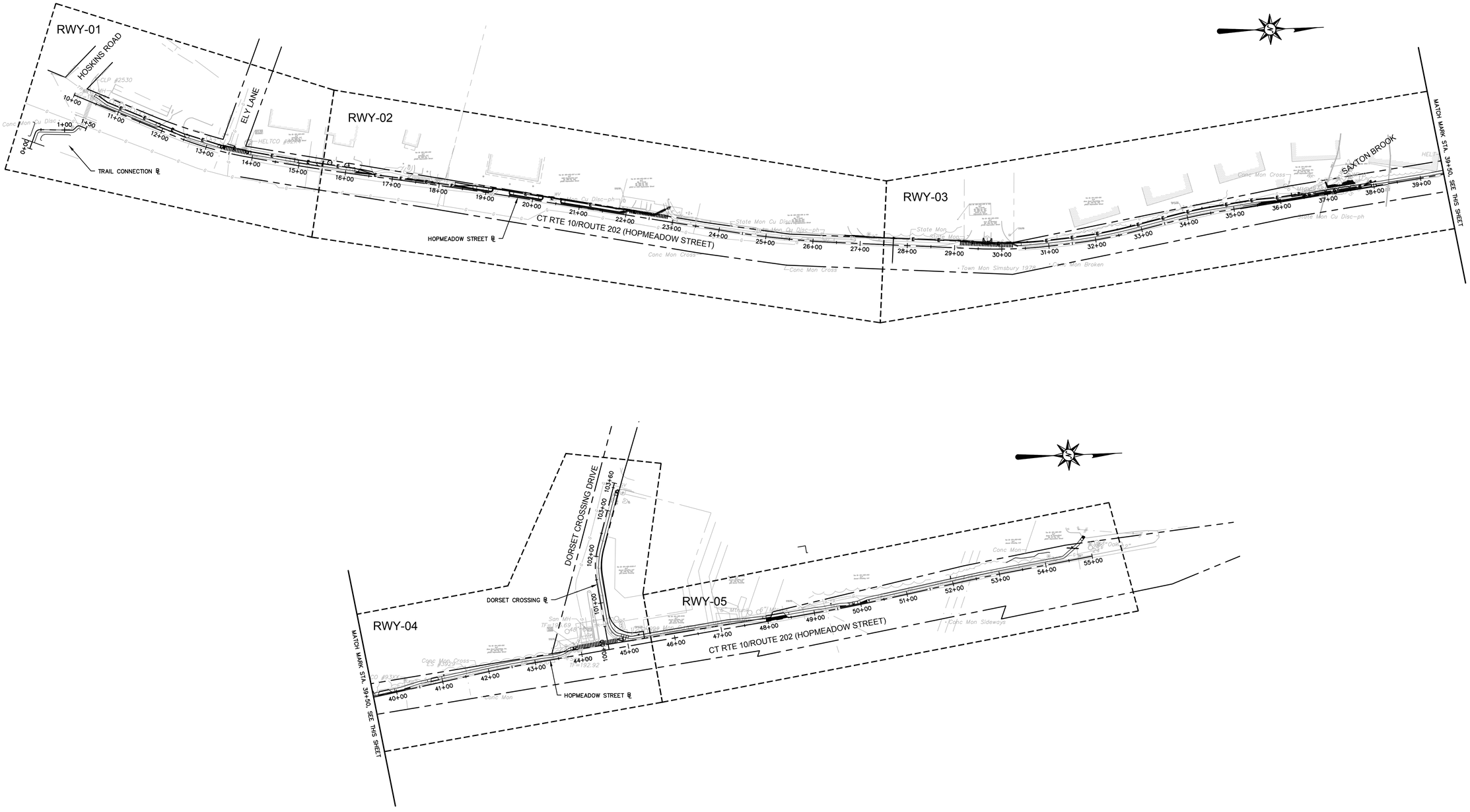

Companies

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ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

100 Constitution Plaza, 10th Floor
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax

HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=100'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	INX200035301

Title

INDEX PLAN

Sheet No.

INX-01

Xref (s): ; XR200035301 ; XY200035301 ; BD200035302

Feb 04, 2022 3:51pm Cmastriano G:\JOBS20\02\2000353\DWG\INX200035301.dwg
Layout: INX-01 24X36 20SC

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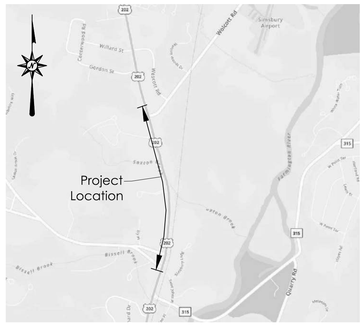

MAP REFERENCES

A. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF SIMSBURY COLLEGE HIGHWAY FROM THE GRANBY TOWN LINE SOUTHERLY TO HOSKINS CROSSING ROUTE NO. 116", SCALE 1"=40', DATE DEC. 30, 1931, REVISED AUGUST 15, 1986, NUMBER 338, SHEET NO. 1 THRU 3 OF 3.

B. "COMPILATION PLAN PROPOSED UTILITY EASEMENT PLAN TO BE ACQUIRED BY AQUARION WATER COMPANY ACROSS THE PROPERTY OF DORSET CROSSING LLC, HOPMEADOW STREET, SIMSBURY, CONNECTICUT", EA-1, DATE: 01-10-12, SCALE: 1"=40' BY F.A. HESKETH & ASSOCIATES, INC., EAST GRANBY, CT AND FILED AS MAP 3974 IN THE SIMSBURY TOWN CLERK'S OFFICE.

C. "COMPILATION PLAN, CL&P FILE NUMBER: E2017, MAP SHOWING EASEMENT AREA TO BE GRANTED TO THE CONNECTICUT LIGHT AND POWER COMPANY ACROSS THE PROPERTY OF DORSET CROSSING LLC, HOPMEADOW STREET, SIMSBURY, CT", EA-2, DATE: 03-15-12, SCALE: 1"=40' BY F.A. HESKETH & ASSOCIATES, INC., EAST GRANBY, CT AND FILED AS MAP 3982 IN THE SIMSBURY TOWN CLERK'S OFFICE.

D. "EASEMENT SURVEY, TOWN OF SIMSBURY MAP SHOWING EASEMENTS ACQUIRED FROM DORSET CROSSING, LLC BY THE STATE OF CONNECTICUT, HOPMEADOW STREET US RTE 202, SCALE: 1"=40', DATE: JULY 2009", REVISED 04-12-12, TOWN NO. 128, PROJECT NO. 000, SERIAL NO. 80, SHEET 1 OF 1 BY F.A. HESKETH & ASSOCIATES, INC., EAST GRANBY, CT AND FILED AS MAP 3991 IN THE SIMSBURY TOWN CLERK'S OFFICE.

E. "COMPILATION PLAN MAP SHOWING EASEMENT AREA TO BE GRANTED TO COMCAST OF CONNECTICUT, INC. ACROSS THE PROPERTY OF DORSET CROSSING, LLC, DORSET CROSSING DRIVE, SIMSBURY, CONNECTICUT", COM-1, DATE: 07-30-2013, SCALE: 1"=60' BY F.A. HESKETH & ASSOCIATES, INC., EAST GRANBY, CT AND FILED AS MAP 4039 IN THE SIMSBURY TOWN CLERK'S OFFICE.

F. "PERIMETER SURVEY, RESUBDIVISION PLAN PREPARED FOR DORSET CROSSING, LLC, 115 & 130 CASTERBRIDGE CROSSING, SIMSBURY, CONNECTICUT", RESUB-2, DATE: 04-11-2012, REVISED 06-10-2019, SCALE: 1"=100' BY F.A. HESKETH & ASSOCIATES, INC., EAST GRANBY, CT AND FILED AS MAP 4287 IN THE SIMSBURY TOWN CLERK'S OFFICE.

GENERAL NOTES

1. A) THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. AUGUST 29, 2019.

   B) THIS PLAN CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2.

   C) BOUNDARY DETERMINATION OF HOPMEADOW STREET (ROUTE 10 & 202) RIGHT-OF-WAY IS BASED UPON A RESURVEY OF MAP REFERENCE A AND IS TO CLASS A-2 ACCURACY. BOUNDARY DETERMINATION OF THE ABUTTING PROPERTY LINES IS TO CLASS D ACCURACY AND IS BASED UPON MAPS, DEEDS AND RECORD RESEARCH AND IS NOT THE RESULT OF A FIELD SURVEY.

   D) THE TYPE OF SURVEY PERFORMED IS A LIMITED BOUNDARY/TOPOGRAPHIC AND IS INTENDED TO DEPICT THE EXISTING CONDITIONS ALONG THE WESTERLY SIDE OF HOPMEADOW STREET (ROUTE 10 & 202) WITH RESPECT TO MONUMENTATION FOUND, STRUCTURES, EASEMENTS, ENCROACHMENTS, VISIBLE UTILITIES, ROADWAYS AND CONTOURS.

2. NORTH ARROW AND BEARINGS REFER TO THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (CT NAD 83 – EPOCH 2010) AND ARE BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES DURING NOVEMBER 2020 REFERENCED TO THE C.O.R.S. NETWORK BASE STATION "CTEG" LOCATED IN EAST GRANBY, CT HAVING THE FOLLOWING PUBLISHED VALUES:
   STATION: CTEG (H5829)
   COORDINATES (US FT): N:897206.96, E:1013918.74
   ELLIPSOID HEIGHT (US FT): 99.37 (30.287m)

3. ELEVATIONS REFER TO THE NORTH AMERICAN DATUM OF 1988 (NAVD 88). THE DATUM WAS DETERMINED BY USING (GEOID 18) AND IS BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES IN NOVEMBER 2020 AND REFERENCED TO C.O.R.S. BASE STATION "CTEG" LOCATED IN EAST GRANBY, CT HAVING THE PUBLISHED COORDINATE AND ELEVATION VALUES AS DESCRIBED IN NOTE 2 ABOVE.

4. PROJECT IS LOCATED IN A FLOOD AREA "X", (AREAS DETERMINED TO BE OUTSIDE THE 0.2% CHANCE FLOODPLAIN) AND A PORTION OF THE PROJECT IS LOCATED IN FLOOD HAZARD AREA "A", (NO BASE FLOOD ELEVATIONS DETERMINED) GRAPHICALLY PLOTTED FROM MAPPING, AS DEPICTED ON F.I.R.M. COMMUNITY PANEL NO. 09003C0191F PANEL 191 OF 675 EFFECTIVE DATE: SEPTEMBER 26, 2008 AND ON F.I.R.M. COMMUNITY PANEL NO. 09003C0193F PANEL 193 OF 675 EFFECTIVE DATE: SEPTEMBER 26, 2008.

5. THE UNDERGROUND UTILITIES DEPICTED HAVE BEEN PLOTTED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED THOUGH THEY ARE PLOTTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY EXPOSED THE UNDERGROUND UTILITIES. PER CONNECTICUT STATE LAW THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION. CALL BEFORE YOU DIG 1-800-922-4455.

Hoskins Road

Hopmeadow Street (Route 10 & 202)

Ely Lane

Bit Curb

Approximate R.O.W.

CLP #2530

Easement To Town Of Simsbury For Roadway Purposes Bk. 818 Pg. 1150

Tel MH TF=180.39

Conc Walk

CB TF=179.64

CB TF=177.78

CB TF=177.86

CB TF=177.68

CB TF=177.99

CB TF=176.55

Bit Pavement

Grd Vel

Bench Mark Nail in Pole El.=179.39

HELTCO #32X4

Tax ID: 105-403-019
N/F
Antonio5, LLC
Bk. 886 Pg. 1
#1225 Hopmeadow Street

MATCHLINE "A" SEE SHEET 2 OF 5

LEGEND

Property Line	Handhole
Easement Line	Electric Meter
Edge of Water	Utility Pole
Treeline	Utility Pole w/ Light
-50- Major Contour	Guy Wire
Minor Contour	Light Pole
Guide Rail	Flood Light
X X Fence	GV Gas Valve
Overhead Wires	CB Catch Basin
E E Underground Electric Line	MH Manhole
G G Gas Line	Span Pole
TR TR Underground Traffic Signal Cable	Cantilever Pole
	Pedestal-mounted Traffic Signal
	Pedestrian Signal
	Fire Hydrant
	WV Water Valve
	UV Valve- Utility Type Unknown
	Sign
	Irrigation Control Box
	Deciduous Tree

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

THIS SURVEY WAS PREPARED DURING THE COVID-19 PANDEMIC OF 2020 AT WHICH TIME PHYSICAL ACCESS TO THE LOCAL LAND RECORDS AND OTHER MUNICIPAL OFFICES HAS NOT BEEN AVAILABLE. AS A RESULT, THIS SURVEY HAS BEEN BASED ON TITLE RESEARCH DERIVED FROM ON-LINE RECORDS AND OTHER SOURCES AND IS SUBJECT TO THE RESULTS OF A PROPER TITLE SEARCH.

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

PATRICK J. CORLESS, JR. L.S. #70015

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE NAMED LAND SURVEYOR.

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Meriden, CT 06450
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(203) 630-2615 Fax

HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed	J.W.
Drawn	J.W./J.S.
Reviewed	-
Scale	1"=20'
Project No.	2000353
Date	12/07/2020
Field Book	543
CAD File:	EX200035301

Title

EXISTING CONDITIONS MAP

EX-01

Feb 04, 2022 3:52pm Christiano G:\JOBS\20\02\2000353\DWG\EX200035301.dwg
Layout: EX-1 24x36 USS

Xref (s): XY2000353301 - B2000353301

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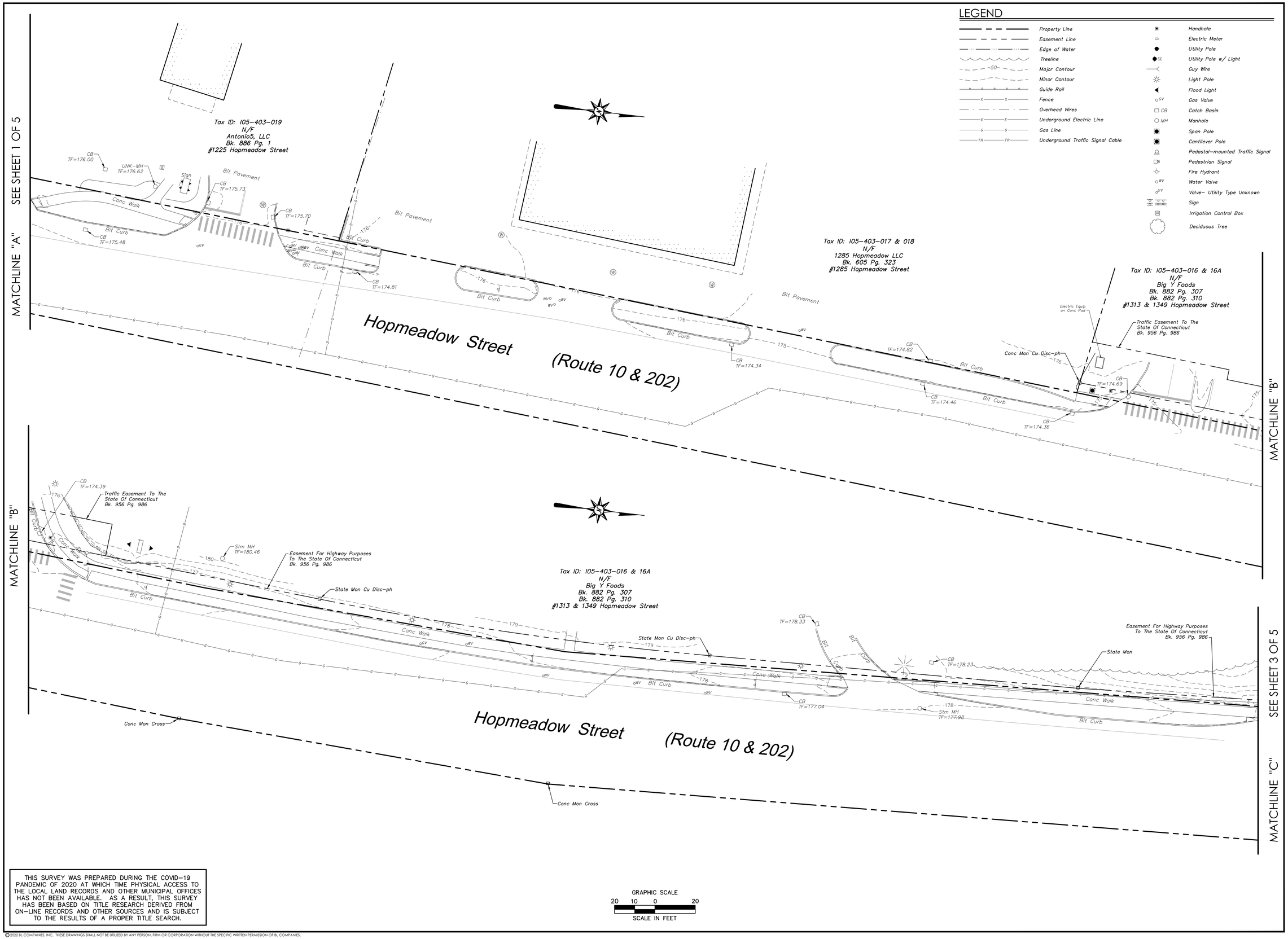

THIS SURVEY WAS PREPARED DURING THE COVID-19 PANDEMIC OF 2020 AT WHICH TIME PHYSICAL ACCESS TO THE LOCAL LAND RECORDS AND OTHER MUNICIPAL OFFICES HAS NOT BEEN AVAILABLE. AS A RESULT, THIS SURVEY HAS BEEN BASED ON TITLE RESEARCH DERIVED FROM ON-LINE RECORDS AND OTHER SOURCES AND IS SUBJECT TO THE RESULTS OF A PROPER TITLE SEARCH.

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	J.W.
Drawn	J.W./JS.
Reviewed	-
Scale	1"=20'
Project No.	2000353
Date	12/07/2020
Field Book	543
CAD File:	EX200035301

Title

EXISTING CONDITIONS MAP

EX-02

Xref (s): : XY200035301 : BD200035301

Feb 04, 2022 3:52pm CMastriano G:\JOBS20\02\2000353\DWG\EX200035301.dwg
Layout: EX-1 24X36 2015

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LEGEND

Property Line		Handhole		Pedestal–mounted Traffic Signal	
Easement Line		Electric Meter	EM	Pedestrian Signal	
Edge of Water		Utility Pole		Fire Hydrant	
Treeline		Utility Pole w/ Light		Water Valve	WV
Major Contour	50	Guy Wire		Valve– Utility Type Unknown	UV
Minor Contour		Light Pole		Sign	
Guide Rail		Flood Light		Irrigation Control Box	IRR
Fence	X X	Gas Valve	GV	Deciduous Tree	
Overhead Wires		Catch Basin	CB		
Underground Electric Line	E E	Manhole	MH		
Gas Line	G G	Span Pole			
Underground Traffic Signal Cable	TR TR	Cantilever Pole			

MATCHLINE "C" SEE SHEET 2 OF 5

MATCHLINE "D"

Tax ID: I05–403–016 & 16A
N/F
Big Y Foods
Bk. 882 Pg. 307
Bk. 882 Pg. 310
#1313 & 1349
Hopmeadow Street

Tax ID: I05–403–015A
N/F
Town Of Simsbury
Bk. 460 Pg. 636
#1375 Hopmeadow Street

Tax ID: I04–403–015
N/F
River Bend Associates, Inc.
Bk. 472 Pg. 331
#1503 Hopmeadow Street

Tax ID: I04–403–015
N/F
River Bend Associates, Inc.
Bk. 472 Pg. 331
#1503 Hopmeadow Street

Hopmeadow Street (Route 10 & 202)

Town Mon Simsbury 1978

Conc Mon Broken

State Mon Cu Disc–ph

Conc Mon Cross

State Mon

Telcom Equip on Conc Pad

Support Pole CLP #2166S

CB TF=177.52

CB TF=176.39

CB TF=175.31

UNK–MH TF=175.78

CB TF=176.88

CB TF=179.81

HELT–CO #93XX

36" Cedar

CB TF=183.02

Mtrunk

Metal Beam Guard Rail

Bit Curb

EOP

SPECIAL FLOOD HAZARD AREA A

ZONE X

ZONE A

MATCHLINE "E" SEE SHEET 4 OF 5

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

THIS SURVEY WAS PREPARED DURING THE COVID–19 PANDEMIC OF 2020 AT WHICH TIME PHYSICAL ACCESS TO THE LOCAL LAND RECORDS AND OTHER MUNICIPAL OFFICES HAS NOT BEEN AVAILABLE. AS A RESULT, THIS SURVEY HAS BEEN BASED ON TITLE RESEARCH DERIVED FROM ON–LINE RECORDS AND OTHER SOURCES AND IS SUBJECT TO THE RESULTS OF A PROPER TITLE SEARCH.

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed	J.W.
Drawn	J.W./J.S.
Reviewed	-
Scale	1"=20'
Project No.	2000353
Date	12/07/2020
Field Book	543
CAD File:	EX200035301

Title

EXISTING CONDITIONS MAP

EX-03

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Layout: EX-1 24x36 SMS

Xref Fil: ...XY2000353 - EX200035301

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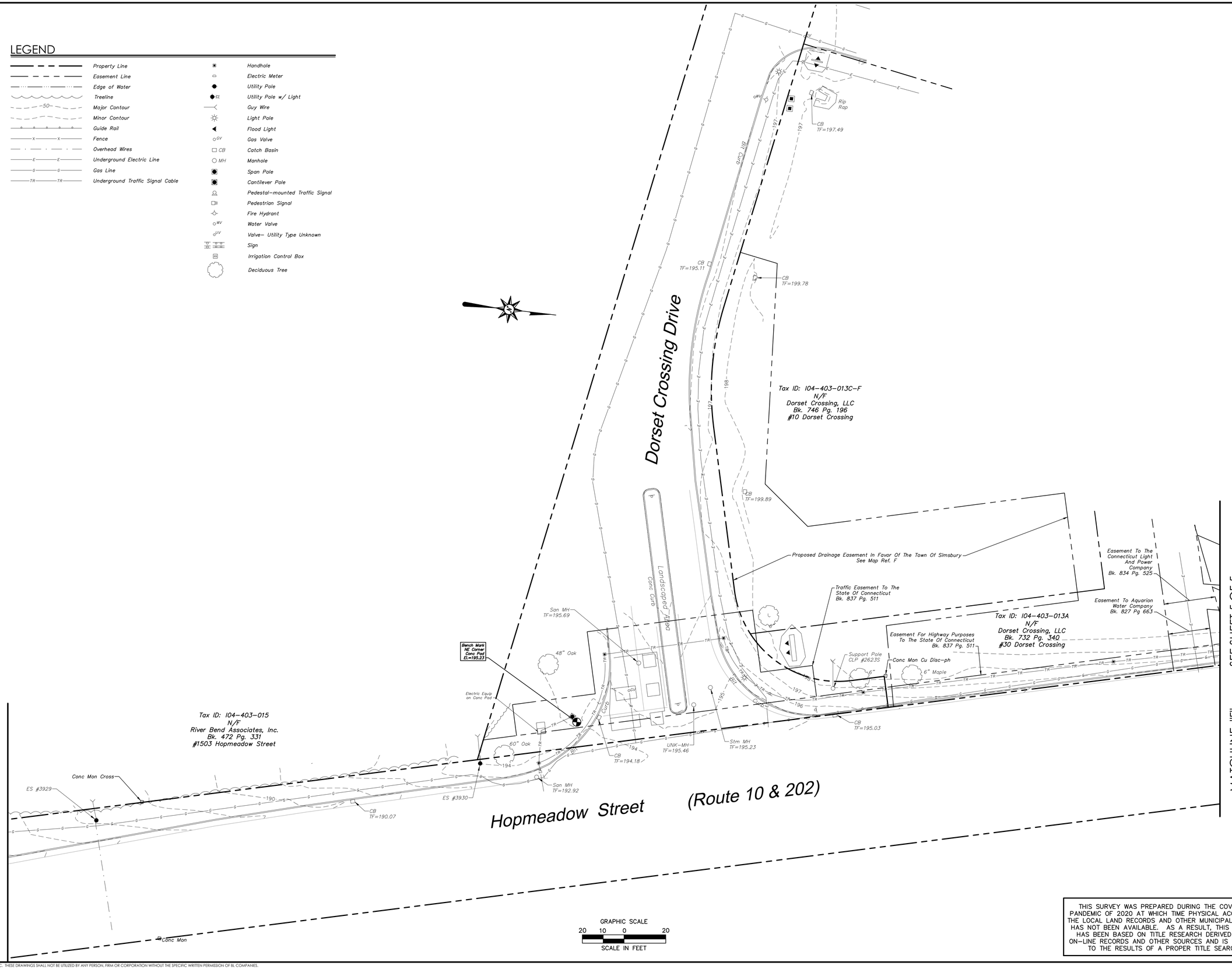
LEGEND

Property Line	Handhole
Easement Line	Electric Meter
Edge of Water	Utility Pole
Treeline	Utility Pole w/ Light
Major Contour	Guy Wire
Minor Contour	Light Pole
Guide Rail	Flood Light
Fence	Gas Valve
Overhead Wires	Catch Basin
Underground Electric Line	Manhole
Gas Line	Span Pole
Underground Traffic Signal Cable	Cantilever Pole
	Pedestal-mounted Traffic Signal
	Pedestrian Signal
	Fire Hydrant
	Water Valve
	Valve- Utility Type Unknown
	Sign
	Irrigation Control Box
	Deciduous Tree



THIS SURVEY WAS PREPARED DURING THE COVID-19 PANDEMIC OF 2020 AT WHICH TIME PHYSICAL ACCESS TO THE LOCAL LAND RECORDS AND OTHER MUNICIPAL OFFICES HAS NOT BEEN AVAILABLE. AS A RESULT, THIS SURVEY HAS BEEN BASED ON TITLE RESEARCH DERIVED FROM ON-LINE RECORDS AND OTHER SOURCES AND IS SUBJECT TO THE RESULTS OF A PROPER TITLE SEARCH.

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	J.W.
Drawn	J.W./JS.
Reviewed	-
Scale	1"=20'
Project No.	2000353
Date	12/07/2020
Field Book	543
CAD File:	EX200035301

Title

EXISTING CONDITIONS MAP

EX-04

Xref (s): : XY200035301 : BD200035301

Feb 04, 2022 3:52pm C:\Mastriano G:\JOBS20\02\2000353\DWG\EX200035301.dwg
Layout: EX-1 24X36 4x15

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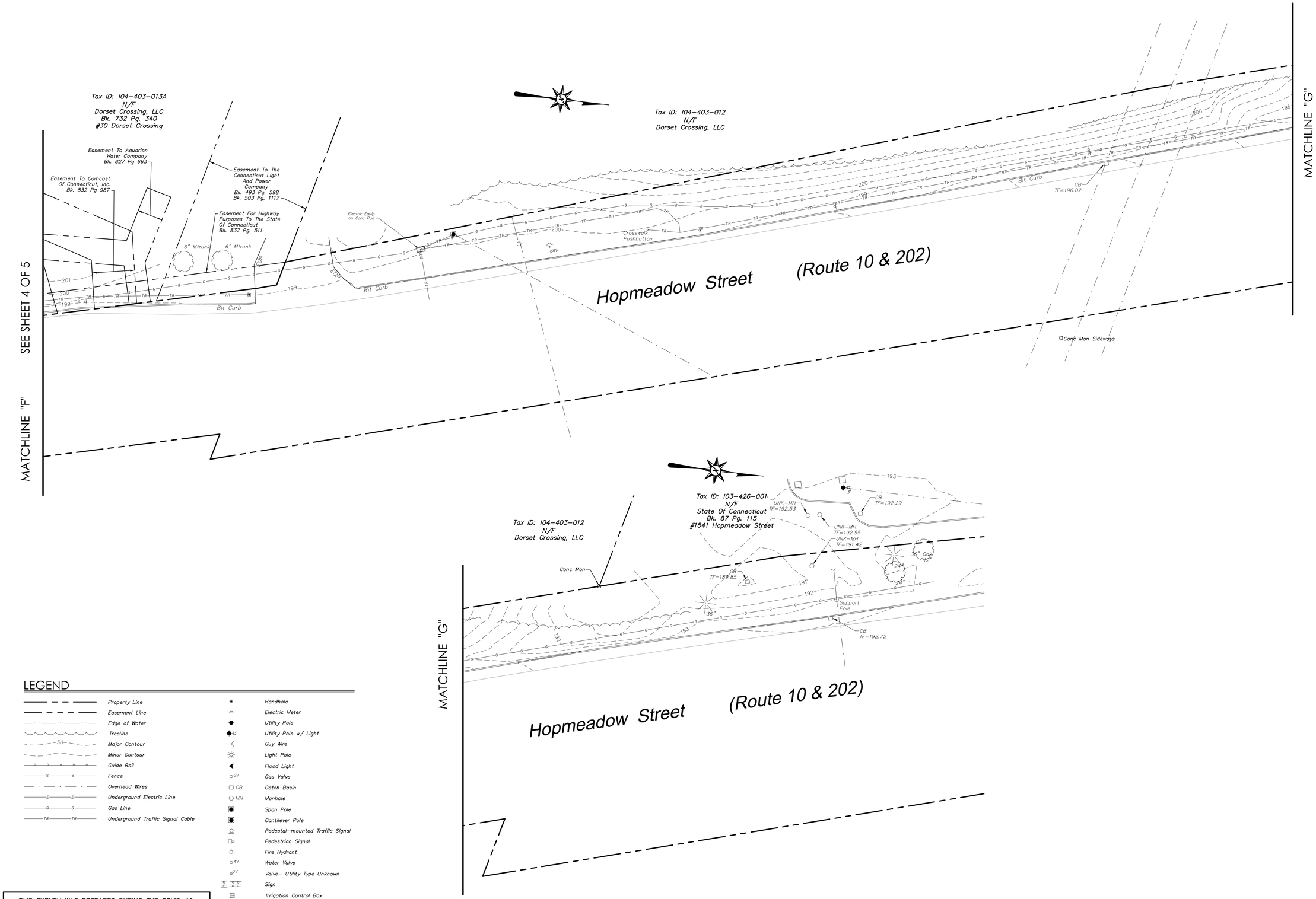

LEGEND

	Property Line		Handhole
	Easement Line		Electric Meter
	Edge of Water		Utility Pole
	Treeline		Utility Pole w/ Light
50	Major Contour		Guy Wire
	Minor Contour		Light Pole
	Guide Rail		Flood Light
X	Fence	GV	Gas Valve
	Overhead Wires	CB	Catch Basin
E	Underground Electric Line	MH	Manhole
G	Gas Line		Span Pole
TR	Underground Traffic Signal Cable		Cantilever Pole
			Pedestal-mounted Traffic Signal
			Pedestrian Signal
			Fire Hydrant
		WV	Water Valve
		UV	Valve- Utility Type Unknown
			Sign
			Irrigation Control Box
			Deciduous Tree

THIS SURVEY WAS PREPARED DURING THE COVID-19 PANDEMIC OF 2020 AT WHICH TIME PHYSICAL ACCESS TO THE LOCAL LAND RECORDS AND OTHER MUNICIPAL OFFICES HAS NOT BEEN AVAILABLE. AS A RESULT, THIS SURVEY HAS BEEN BASED ON TITLE RESEARCH DERIVED FROM ON-LINE RECORDS AND OTHER SOURCES AND IS SUBJECT TO THE RESULTS OF A PROPER TITLE SEARCH.

Feb 04, 2022 3:52pm CMastriano G:\JOB5220\02\2000353\DWG\EX200035301.dwg
Layout: EX-1 24X36 Sol5

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HOPMEADOW STREET CONNECTIVITY PROJECT
HOPMEADOW STREET
SIMSBURY, CONNECTICUT

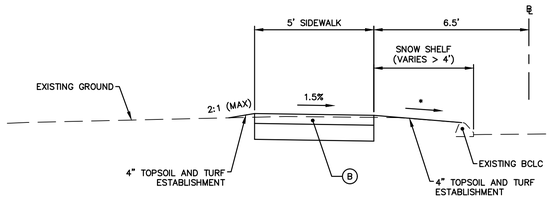
REVISIONS
No. Date Desc.

Surveyed	J.W.
Drawn	J.W./JS.
Reviewed	-
Scale	1"=20'
Project No.	2000353
Date	12/07/2020
Field Book	543
CAD File:	EX200035301

Title
EXISTING CONDITIONS MAP

EX-05

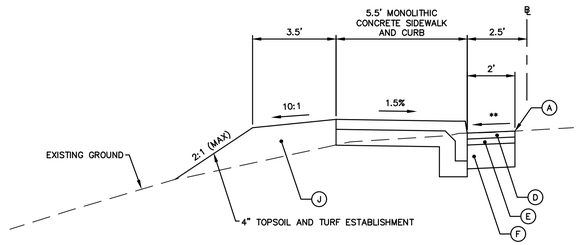
Xref (s): : XY200035301 : BD200035301



CONCRETE SIDEWALK - SHELF GREATER THAN 4'

SCALE: N.T.S.
* VARIES (1.5% – 25%)

STA. 10+70 LT TO STA. 11+83 LT
STA. 12+60 LT TO STA. 12+95 LT
STA. 13+95 LT TO STA. 14+90 LT
STA. 15+65 LT TO STA. 16+18 LT
STA. 30+70 LT TO STA. 32+50 LT
STA. 40+50 LT TO STA. 40+70 LT
STA. 41+00 LT TO STA. 43+15 LT
STA. 48+46 LT TO STA. 49+00 LT
STA. 50+14 LT TO STA. 52+80 LT



CONCRETE SIDEWALK - MONOLITHIC

SCALE: N.T.S.
** MATCH EXISTING CROSS SLOPE
NOTE: SEE SHEET NO. S-01 FOR RETAINING WALL DETAILS

STA. 36+00 LT TO STA. 37+70 LT

CONCRETE SIDEWALK - POURED AGAINST CURB

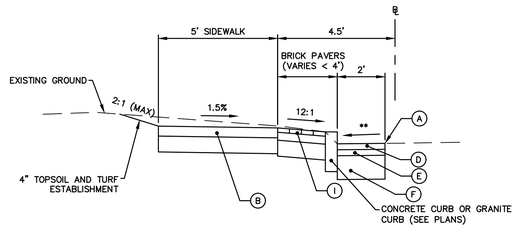
SCALE: N.T.S.

STA. 37+70 LT TO STA. 39+60 LT

CONCRETE SIDEWALK - SHELF GREATER THAN 4' W/ BACKING CURB

SCALE: N.T.S.
* VARIES (1.5% – 25%)

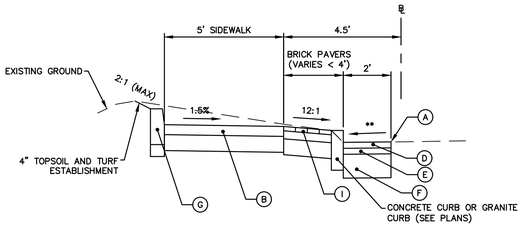
STA. 32+50 LT TO STA. 35+59 LT



CONCRETE SIDEWALK - SHELF LESS THAN 4'

SCALE: N.T.S.
** MATCH EXISTING CROSS SLOPE

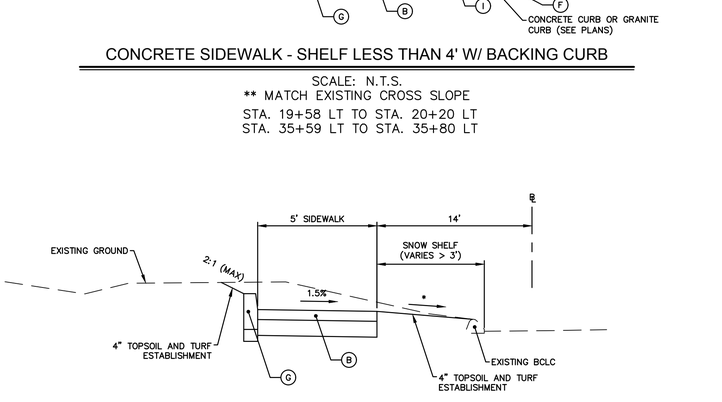
STA. 18+79 LT TO STA. 19+04 LT
STA. 20+68 LT TO STA. 21+86 LT
STA. 35+80 LT TO STA. 36+00 LT
STA. 40+10 LT TO STA. 40+30 LT
STA. 49+56 LT TO STA. 49+73 LT
STA. 49+96 LT TO STA. 50+14 LT



CONCRETE SIDEWALK - SHELF LESS THAN 4' W/ BACKING CURB

SCALE: N.T.S.
** MATCH EXISTING CROSS SLOPE

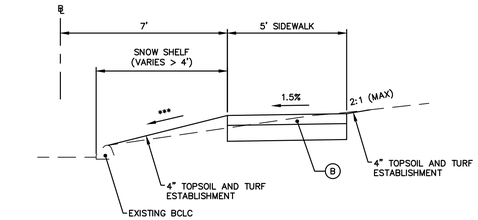
STA. 19+58 LT TO STA. 20+20 LT
STA. 35+59 LT TO STA. 35+80 LT



CONCRETE SIDEWALK - CONNECTION TO PARK AND RIDE

SCALE: N.T.S.

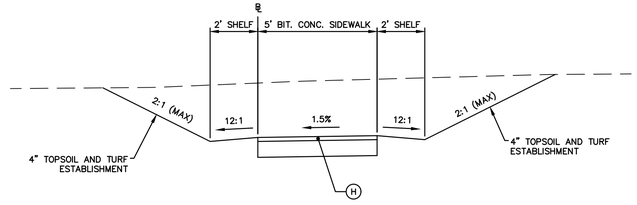
STA. 54+35 LT TO STA. 54+83 LT



CONCRETE SIDEWALK - DORSET CROSSING DRIVE

SCALE: N.T.S.
*** VARIES (12:1 – 4:1)

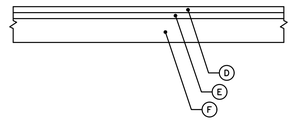
STA. 100+25 RT TO STA. 103+36 RT



BITUMINOUS CONCRETE SIDEWALK - TRAIL CONNECTION

SCALE: N.T.S.

STA. 00+15 TO STA. 01+36



FULL-DEPTH PAVEMENT RECONSTRUCTION

SCALE: N.T.S.

NOTES

1. "MATERIAL FOR TACK COAT" SHALL BE APPLIED AS PER SECTION 4.06 – BITUMINOUS CONCRETE

LEGEND

- (A) SAWCUT AND SEAL
- (B) CONCRETE SIDEWALK
- (C) MONOLITHIC CONCRETE SIDEWALK AND CURB
- (D) 3" HMA S0.5
- (E) 3" HMA S1.0
- (F) 12" SUBBASE
- (G) CONCRETE CURBING – 8" REVEAL
- (H) BITUMINOUS CONCRETE SIDEWALK
- (I) BRICK PAVER SIDEWALK
- (J) SUITABLE BACKFILL MATERIAL

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HOPMEADOW STREET CONNECTIVITY PROJECT
HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	AS NOTED
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	TYP200035301

Title
TYPICAL SECTIONS

Sheet No.
TYP-01

Xref (s): ; BI2000353302

Feb 04, 2022 3:53pm Okeefejm G:\JOBS20\02\2000353\DWG\TYP200035301.dwg
Layout: TYP-01 24X36 AS NOTED

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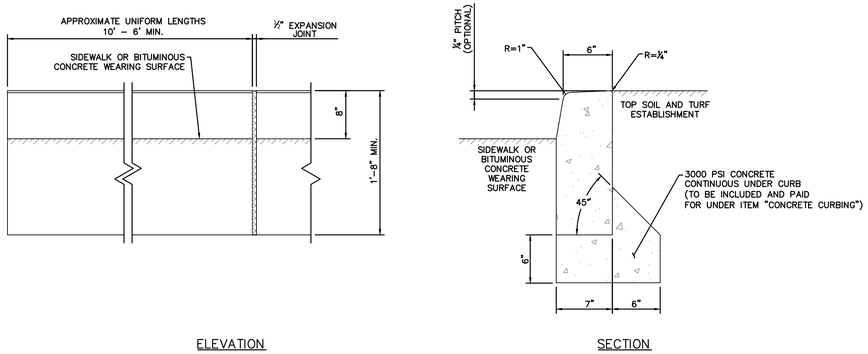
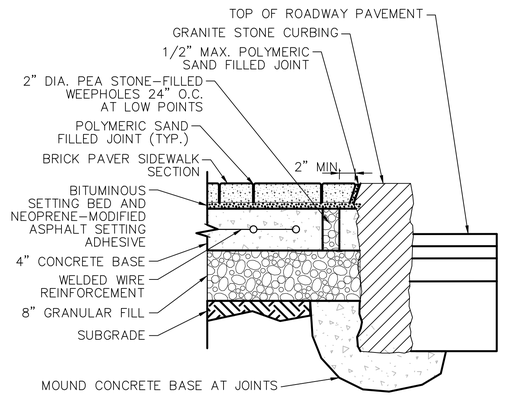


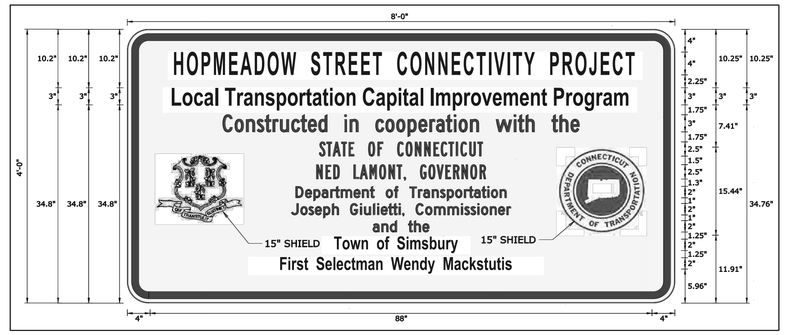
PRECAST CONCRETE CURBING - 8" REVEAL

SCALE: N.T.S.



BRICK PAVERS AT GRANITE STONE CURBING

SCALE: N.T.S.



PROJECT FUNDING PROGRAM SIGN

SCALE: N.T.S.

NOTES:

SIGN PANEL: SIGNS SHOULD BE MADE FROM SUITABLE MATERIALS TO PERFORM EFFECTIVELY FOR A MINIMUM OF 3 YEARS. EXAMPLE OF ALLOWABLE MATERIALS INCLUDE ¾" MDO–EXT–APA PLYWOOD OR 0.125–GAUGE SHEET ALUMINUM. THE FOLLOWING TYPES OF MATERIALS SHALL NOT BE USED: MESH, NON–RIGID, ROLL–UP, CORRUGATED OR WAFFLE BOARD TYPES SUBSTRATES, FOAM CORE AND COMPOSITE ALUMINUM SIGN SUBSTRATES.

SUITABLE ATTACHMENTS SHALL BE PROVIDED SO THAT THE SIGNS CAN BE FIRMLY ATTACHED TO THE SIGN SUPPORTS WITHOUT CAUSING DAMAGE TO THE SIGNS.

SIGNS MAY BE PAINTED OR USE NON–REFLECTIVE PLASTIC SHEETING. PAINT SHALL BE EXTREMELY DURABLE, HIGH QUALITY, SEMI–GLOSS ENAMEL RESISTANT TO AIR, SUN AND WATER. NON–REFLECTIVE PLASTIC SHEETING SHALL BE PERMANENTLY ADHERED TO THE BACKING. THE MATERIAL SHALL WITHSTAND 3 YEARS' VERTICAL, SOUTH–FACING EXTERIOR EXPOSURE.

COLORS: 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.

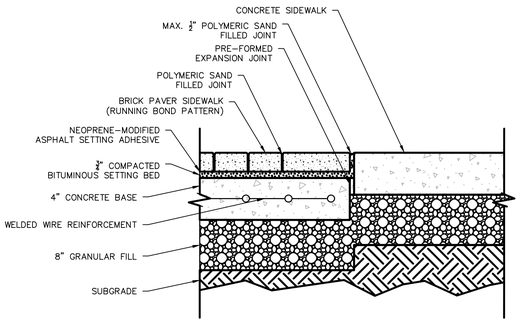
TYPEFACE: HELVETICA MEDIUM

SIGN SUPPORT: SIGN PANELS SHALL BE ATTACHED TO VERTICAL SIGN SUPPORT POSTS. ALL SIGN SUPPORTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS". THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGN PANEL AT 60–MPH WIND LOADING. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. A MINIMUM 2–FT EMBEDMENT DEPTH BELOW THE GROUND LINE IS REQUIRED.

LOCATION: THE SIGNS SHALL BE INSTALLED PARALLEL TO THE TRAVELWAY, SO THEY ARE NOT EASILY VIEWABLE BY DRIVERS, AS THE SIGNS ARE NOT MUTCD COMPLIANT AND NOT INTENDED TO BE ROADWAY SIGNS.
THE LATERAL OFFSET FROM THE EDGE OF ROAD TO THE FACE OF SIGN SHOULD BE 6–12 FEET. 12 FEET IS PREFERRED WHERE SPACE IS AVAILABLE FOR INSTALLATION. WHEN INSTALLED ON A TRAIL, THE LATERAL OFFSET SHOULD BE 2 FEET.
THE BOTTOM OF THE SIGN SHOULD BE MOUNTED 7 FEET ABOVE THE EDGE OF ROAD.

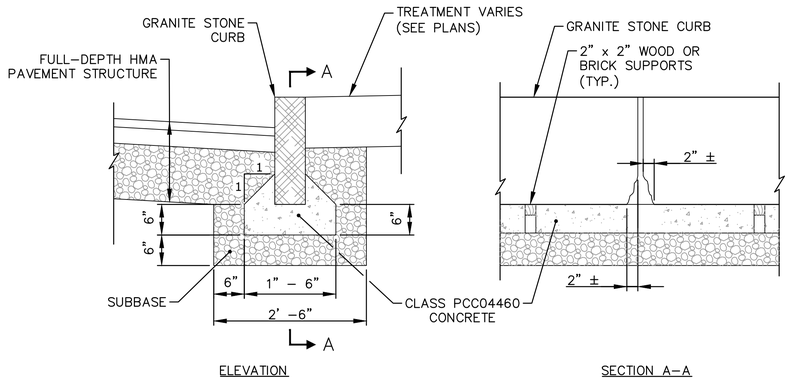
DURATION: THE SIGNS SHALL BE ERECTED FOR THE LIFE OF THE CONSTRUCTION PROJECT. THIS MEANS THAT THEY SHOULD BE ERECTED ONLY AFTER NOTICE TO PROCEED HAS BEEN GIVEN TO THE CONTRACTOR AND SHOULD BE REMOVED WITH ALL OTHER CONSTRUCTION RELATED SIGNS AT THE END OF THE PROJECT CONSIDERED TO BE THE POINT THAT ACCEPTANCE OF THE CONSTRUCTION WORK IS GIVEN.

PROGRAM FUNDING SIGN SHALL BE PAID FOR UNDER ITEM #1220013 – CONSTRUCTION SIGNS–BRIGHT FLUORESCENT SHEETING.



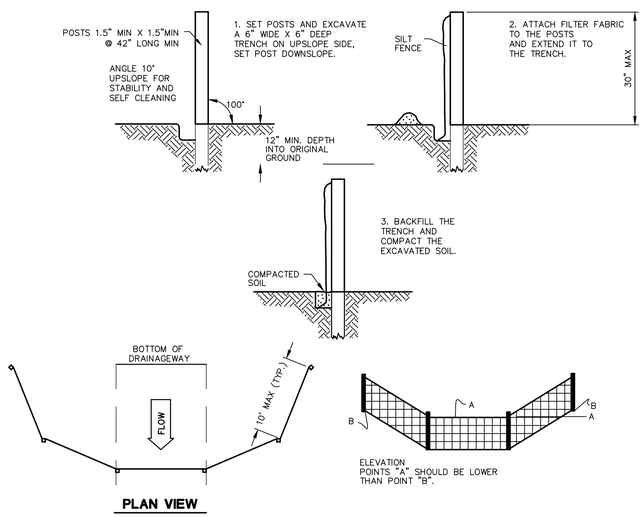
BRICK PAVERS AT CONCRETE SIDEWALK

SCALE: N.T.S.



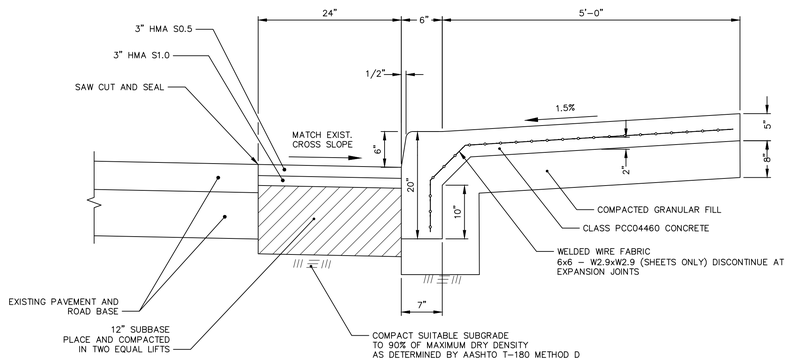
SETTING GRANITE STONE CURBING

SCALE: N.T.S.



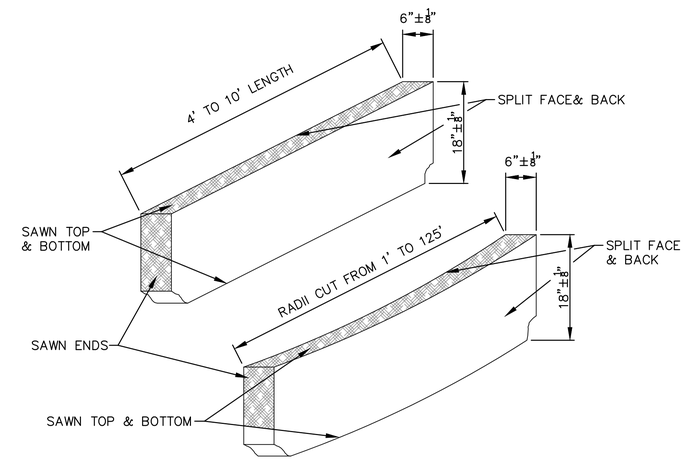
SEDIMENTATION CONTROL SYSTEM

SCALE: N.T.S.



MONOLITHIC CONCRETE SIDEWALK AND CURB

SCALE: N.T.S.



GRANITE STONE CURBING

SCALE: N.T.S.

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SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	AS NOTED
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	MDS200035301

Title

MISCELLANEOUS DETAILS

Sheet No.

MDS-01

Xref (s): ; B0200035302

Feb 04, 2022 - 2:53pm GMartinez G:\JOBS20\02\2000353\DWG\MDS200035301.dwg
Layout: MDS-01 24X36 AS NOTED

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ARBORIST NOTES

1. WHERE EXCAVATION IS WITHIN 3–5 TIMES THE DBH (DIAMETER BREAST HEIGHT) OF ANY TREE WITHIN THE PROJECT, A LICENSED ARBORIST, HIRED BY THE CONTRACTOR WILL BE REQUIRED ON SITE TO INSPECT AND PRUNE ANY ROOTS DAMAGED.
2. TREES WITH ROOT DAMAGE DURING EXCAVATION MAY REQUIRE A FERTILIZATION AND WATERING PROGRAM.
3. ANY TREE THAT SUSTAINS MORE THAN 33% ROOT DAMAGE MAY BE REQUIRED TO BE REMOVED AT THE CONTRACTOR'S EXPENSE.
4. AT NO TIME SHALL EXCAVATED MATERIAL BE PILED AROUND THE BASE OF ANY TREE OR ITS ROOT SYSTEM.
5. A WRITTEN REPORT OF ANY ROOTS DAMAGED WITHIN THE PROJECT LIMITS SHALL BE SUBMITTED TO THE DISTRICT LANDSCAPE DESIGNER.

SCHEDULE OF RIGHTS AND EASEMENTS

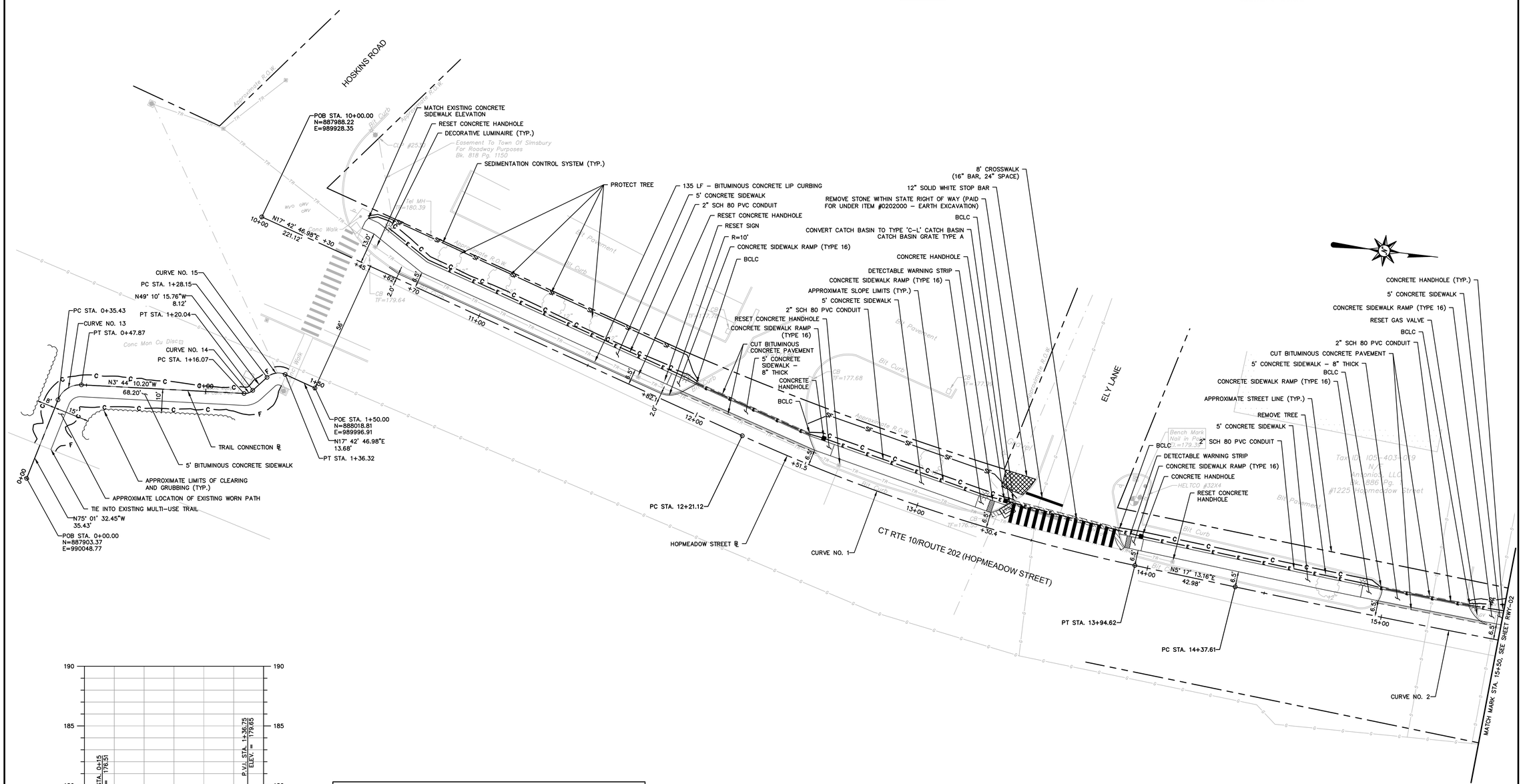
- (A) RIGHT TO GRADE ACQUIRED
- (B) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED
- (C) RIGHT TO CONSTRUCT SIDEWALK ACQUIRED

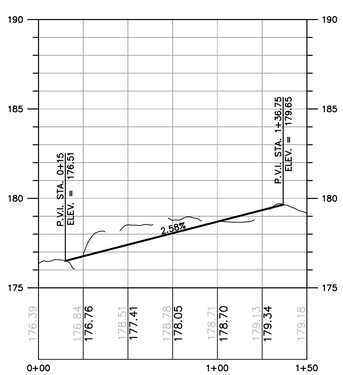
LEGEND

- BITUMINOUS CONCRETE DRIVEWAY
- FULL–DEPTH PAVEMENT STRUCTURE

GENERAL NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. ALL CROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN.
3. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGH THE SITE DURING CONSTRUCTION.
4. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS PRIOR TO BEGINNING OF CONSTRUCTION.
5. ALL EXISTING INVERT ELEVATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
6. EXISTING PAINTED PAVEMENT MARKINGS SHALL BE REMOVED BY THE CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE TOWN. GRINDING IS NOT ALLOWED.
7. CONCRETE HANDHOLE COVERS SHALL BE EMBOSSED AND LABELED 'ELECTRICAL'.
8. NOTE THAT DETECTABLE WARNING STRIPS ARE NOT REQUIRED FOR EACH SIDEWALK RAMP. SEE PLAN FOR SPECIFIC LOCATIONS.
9. CONTRACTOR TO COORDINATE WITH CONNECTICUT NATURAL GAS ON GAS MAIN LOCATION.
10. REFER TO CONCRETE APRON DETAIL ON STANDARD SHEET NO. HW–921_01 FOR 8" THICK SIDEWALK STRUCTURE.





TRAIL CONNECTION PROFILE

CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 1	PC	888198.86	989995.63	12°25'34"	800.00'	87.09'	173.50'
	PI	888281.82	990022.13				
	PT	888368.55	990030.15				
CURVE NO. 2	PC	888411.34	990034.11	2°30'36"	5000.00'	109.54'	219.05'
	PI	888520.42	990044.21				
	PT	888628.83	990049.51				
CURVE NO. 13	PC	887912.53	990014.54	71°17'22"	10.00'	7.17'	12.44'
	PI	887914.38	990007.61				
	PT	887921.54	990007.15				
CURVE NO. 14	PC	887989.59	990002.70	45°26'06"	5.00'	2.09'	3.96'
	PI	887991.68	990002.57				
	PT	887993.05	990000.98				
CURVE NO. 15	PC	887998.36	989994.84	66°53'03"	7.00'	4.62'	8.17'
	PI	888001.38	989991.34				
	PT	888005.78	989992.75				

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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Layout: RWY–01 24x36 2050

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REVISIONS
No. Date Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	RWY200035301

Title
SIDEWALK PLAN

Sheet No.
RWY-01

Xref (s): ; XR200035301 ; XY200035301 ; BD200035302

SCHEDULE OF RIGHTS AND EASEMENTS

- (A) RIGHT TO GRADE ACQUIRED
- (B) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED
- (C) RIGHT TO CONSTRUCT SIDEWALK ACQUIRED

LEGEND

- BITUMINOUS CONCRETE DRIVEWAY
- FULL-DEPTH PAVEMENT STRUCTURE

GENERAL NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. ALL CROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN.
3. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGH THE SITE DURING CONSTRUCTION.
4. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS PRIOR TO BEGINNING OF CONSTRUCTION.
5. ALL EXISTING INVERT ELEVATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
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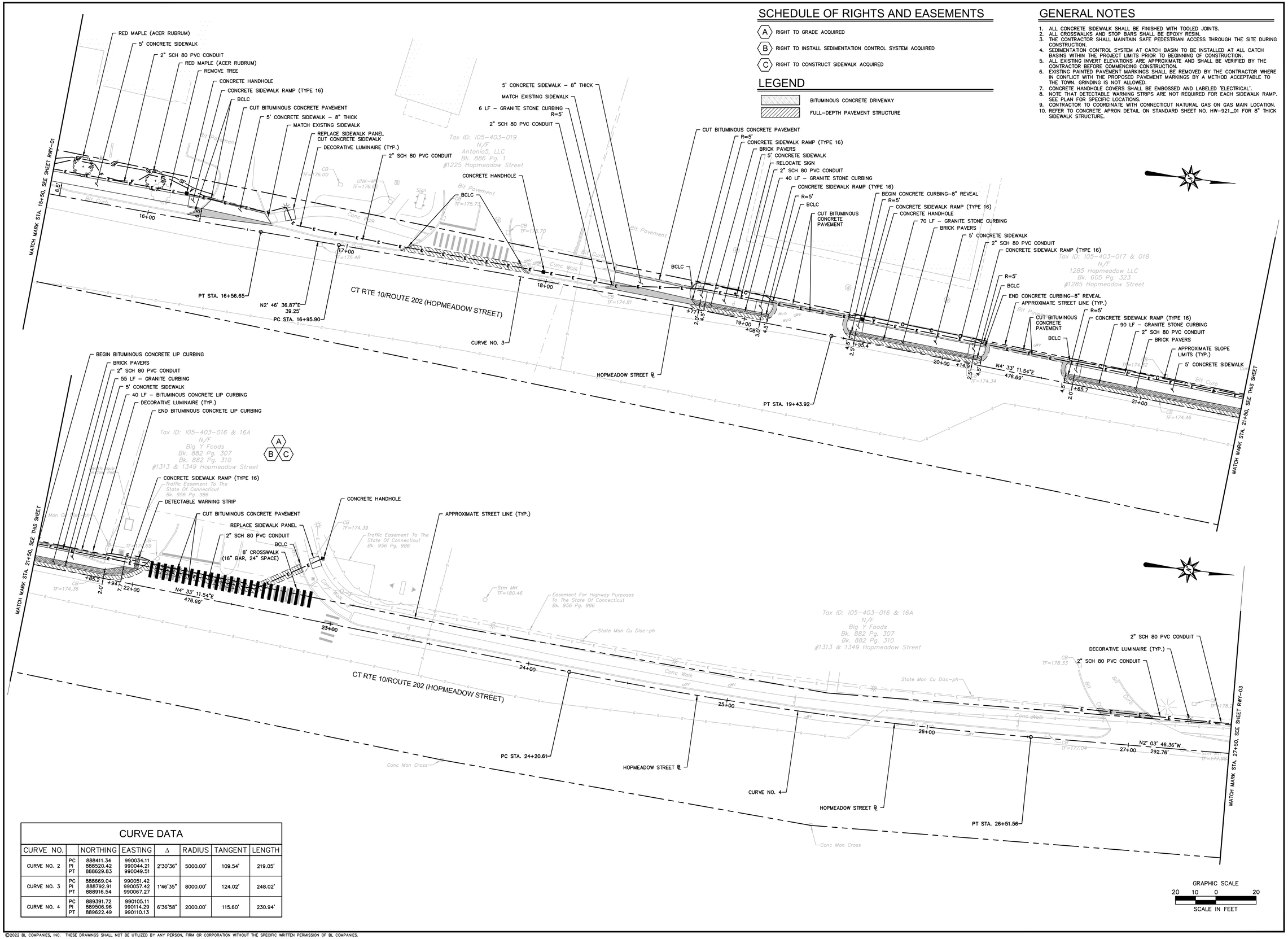
7. CONCRETE HANDHOLE COVERS SHALL BE EMBOSSED AND LABELED 'ELECTRICAL'.
8. NOTE THAT DETECTABLE WARNING STRIPS ARE NOT REQUIRED FOR EACH SIDEWALK RAMP. SEE PLAN FOR SPECIFIC LOCATIONS.
9. CONTRACTOR TO COORDINATE WITH CONNECTICUT NATURAL GAS ON GAS MAIN LOCATION.
10. REFER TO CONCRETE APRON DETAIL ON STANDARD SHEET NO. HW-921_01 FOR 8" THICK SIDEWALK STRUCTURE.



CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 2	PC	888411.34	990034.11	2°30'36"	5000.00'	109.54'	219.05'
	PI	888520.42	990044.21				
	PT	888629.83	990049.51				
CURVE NO. 3	PC	888669.04	990051.42	1°46'35"	8000.00'	124.02'	248.02'
	PI	888792.91	990057.42				
	PT	888916.54	990067.27				
CURVE NO. 4	PC	889391.72	990105.11	6°36'58"	2000.00'	115.60'	230.94'
	PI	889506.96	990114.29				
	PT	889622.49	990110.13				

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	RWY200035301

Title

SIDEWALK PLAN

Sheet No.

RWY-02

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Layout: RWY-02 24x36 2050

Xref (s): ; X\200035301 ; X\200035301 ; B\200035302

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SCHEDULE OF RIGHTS AND EASEMENTS

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(B) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED

(C) RIGHT TO CONSTRUCT SIDEWALK ACQUIRED

LEGEND

BITUMINOUS CONCRETE DRIVEWAY

FULL-DEPTH PAVEMENT STRUCTURE

GENERAL NOTES

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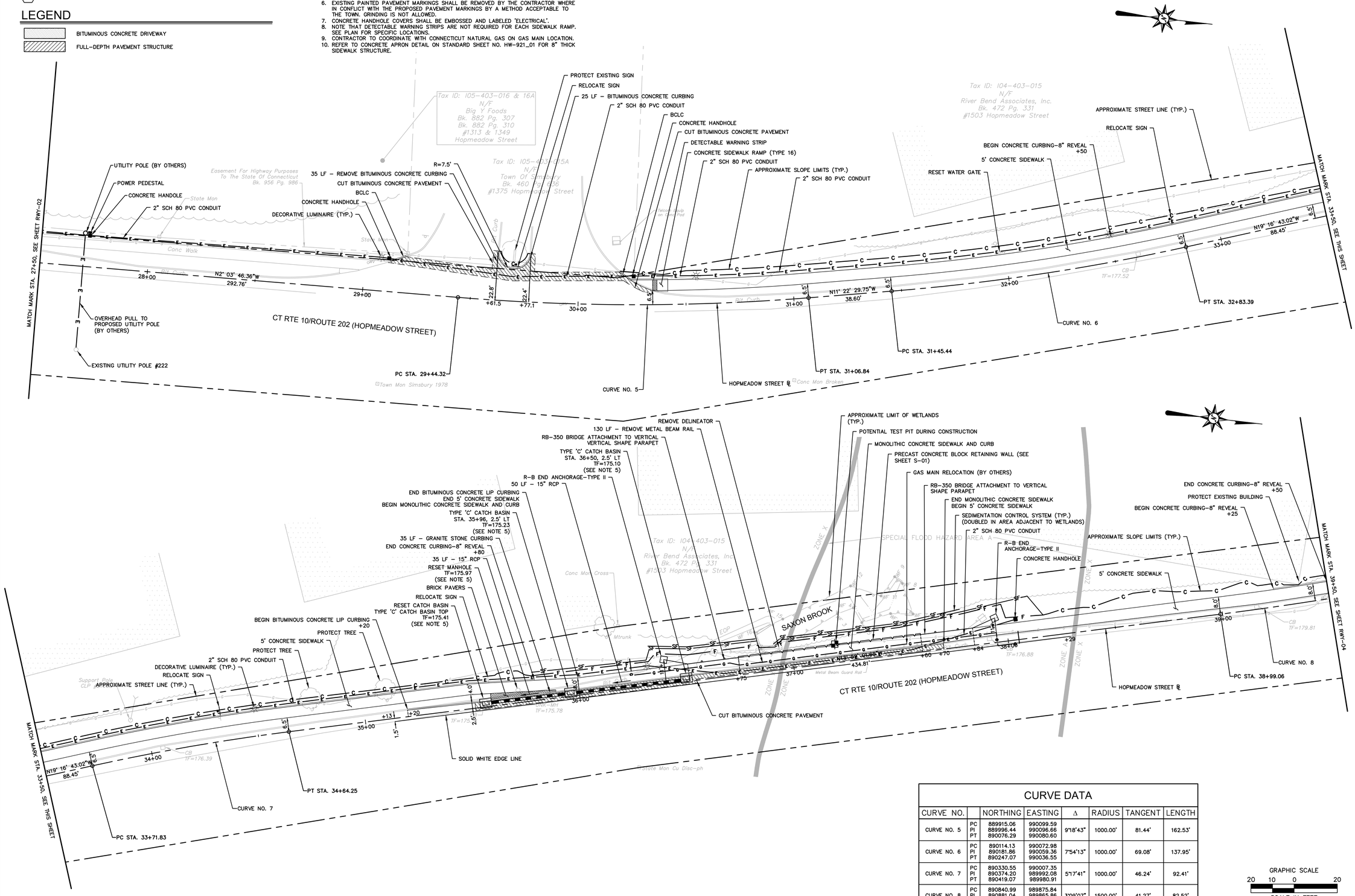
4. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS PRIOR TO BEGINNING OF CONSTRUCTION.
5. ALL EXISTING INVERT ELEVATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
6. EXISTING PAINTED PAVEMENT MARKINGS SHALL BE REMOVED BY THE CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE TOWN. GRINDING IS NOT ALLOWED.
7. CONCRETE HANDHOLE COVERS SHALL BE EMBOSSED AND LABELED 'ELECTRICAL'.
8. NOTE THAT DETECTABLE WARNING STRIPS ARE NOT REQUIRED FOR EACH SIDEWALK RAMP. SEE PLAN FOR SPECIFIC LOCATIONS.
9. CONTRACTOR TO COORDINATE WITH CONNECTICUT NATURAL GAS ON GAS MAIN LOCATION.
10. REFER TO CONCRETE APRON DETAIL ON STANDARD SHEET NO. HW-921_01 FOR 8" THICK SIDEWALK STRUCTURE.



CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 5	PC	889915.06	990099.59	9°18'43"	1000.00'	81.44'	162.53'
	PI	889996.44	990096.66				
	PT	890076.29	990080.60				
CURVE NO. 6	PC	890114.13	990072.98	7°54'13"	1000.00'	69.08'	137.95'
	PI	890181.86	990059.36				
	PT	890247.07	990036.55				
CURVE NO. 7	PC	890330.55	990007.35	5°17'41"	1000.00'	46.24'	92.41'
	PI	890374.20	989992.08				
	PT	890419.07	989980.91				
CURVE NO. 8	PC	890840.99	989875.84	3°09'07"	1500.00'	41.27'	82.52'
	PI	890881.04	989865.86				
	PT	890920.48	989853.70				

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	RWY200035301

Title

SIDEWALK PLAN

Sheet No.

RWY-03

Xref (s): ; XR200035301 ; XY200035301 - BD200035302

Apr 07, 2022 10:20am OMastriona C:\Temp\AcPublish_24900\RWY200035301.dwg
Layout: RW-03 24x36 205C

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SCHEDULE OF RIGHTS AND EASEMENTS

(A) RIGHT TO GRADE ACQUIRED

(B) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED

(C) RIGHT TO CONSTRUCT SIDEWALK ACQUIRED

LEGEND

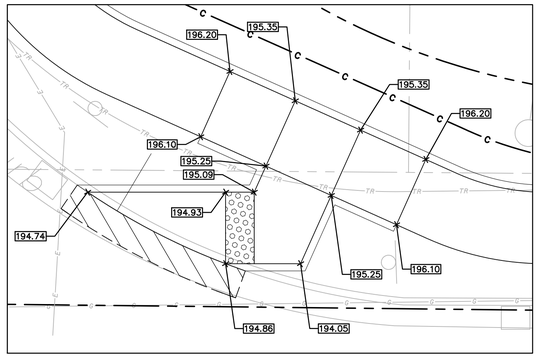
BITUMINOUS CONCRETE DRIVEWAY

FULL-DEPTH PAVEMENT STRUCTURE

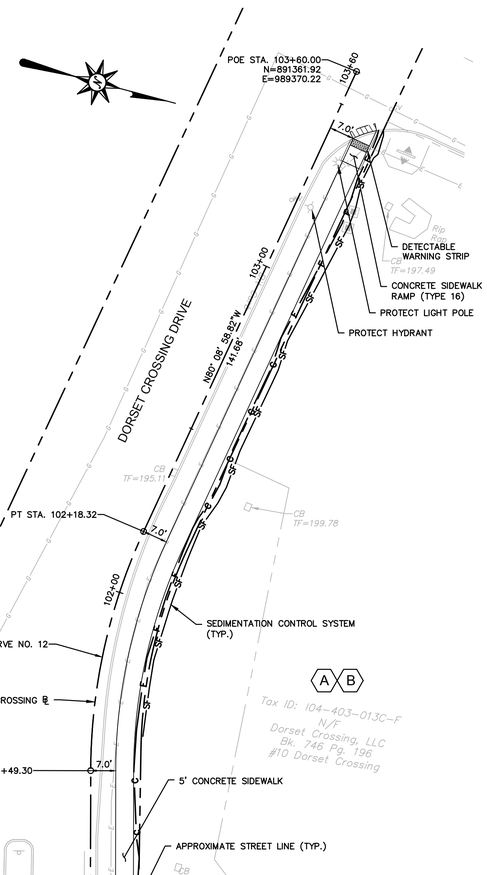
GENERAL NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. ALL CROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN.
3. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGH THE SITE DURING CONSTRUCTION.
4. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS PRIOR TO BEGINNING OF CONSTRUCTION.
5. ALL EXISTING INVERT ELEVATIONS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
6. EXISTING PAINTED PAVEMENT MARKINGS SHALL BE REMOVED BY THE CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE TOWN. GRINDING IS NOT ALLOWED.
7. CONCRETE HANDHOLE COVERS SHALL BE EMBOSSED AND LABELED 'ELECTRICAL'.
8. NOTE THAT DETECTABLE WARNING STRIPS ARE NOT REQUIRED FOR EACH SIDEWALK RAMP. SEE PLAN FOR SPECIFIC LOCATIONS.
9. CONTRACTOR TO COORDINATE WITH CONNECTICUT NATURAL GAS ON GAS MAIN LOCATION.
10. REFER TO CONCRETE APRON DETAIL ON STANDARD SHEET NO. HW-921_01 FOR 8" THICK SIDEWALK STRUCTURE.

CURVE DATA							
CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 8	PC PI PT	890840.99 890881.04 890920.48	989875.84 989865.86 989853.70	3°09'07"	1500.00'	41.27'	82.52'
CURVE NO. 9	PC PI PT	891117.98 891158.94 891200.41	989792.81 989780.18 989769.32	2°27'21"	2000.00'	42.87'	85.72'
CURVE NO. 12	PC PI PT	891340.68 891331.69 891337.68	989578.23 989544.35 989509.81	24°42'59"	160.00'	35.06'	69.02'



PEDESTRIAN SIDEWALK RAMP DETAIL



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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	RWY200035301

Title

SIDEWALK PLAN

Sheet No.

RWY-04

Apr 07, 2022 10:20am DMastriona C:\Temp\Act-Publish_24900\RWY200035301.dwg
Layout: RWY-04 24x36 2052

Xref (s): ; XR200035301 ; XY200035301 - BD200035302

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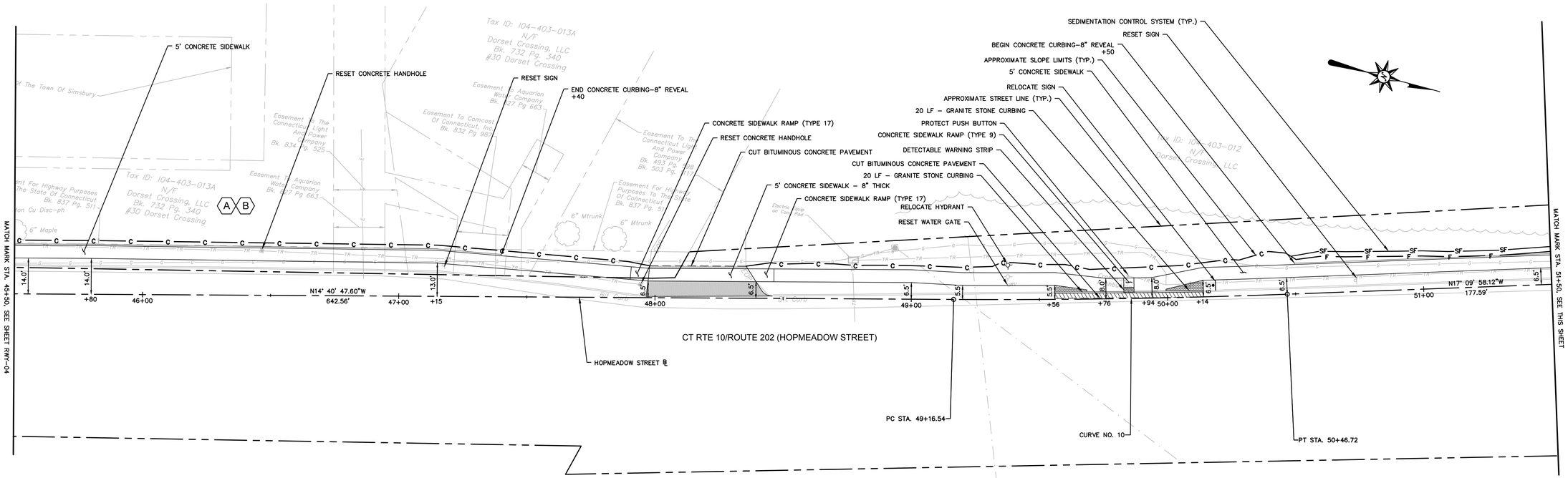

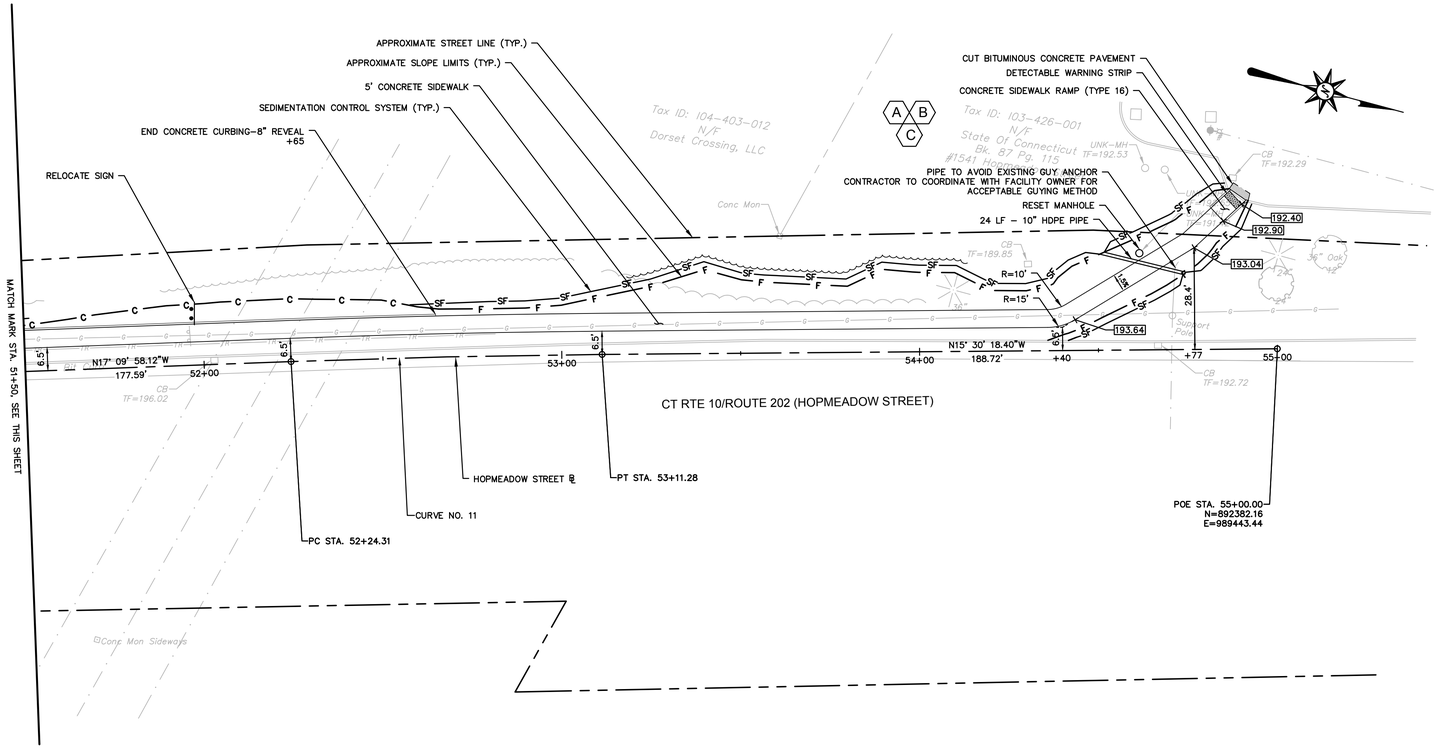

GENERAL NOTES

1. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
2. ALL CROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN.
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10. REFER TO CONCRETE APRON DETAIL ON STANDARD SHEET NO. HW–921_01 FOR 8" THICK SIDEWALK STRUCTURE.

SCHEDULE OF RIGHTS AND EASEMENTS

(A) RIGHT TO GRADE ACQUIRED

(B) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM ACQUIRED

(C) RIGHT TO CONSTRUCT SIDEWALK ACQUIRED

LEGEND

BITUMINOUS CONCRETE DRIVEWAY

FULL–DEPTH PAVEMENT STRUCTURE

CURVE DATA

CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
CURVE NO. 10	PC	891822.00	989606.48	2°29'11"	3000.00'	65.10'	130.18'
	PI	891884.97	989589.98				
	PT	891947.17	989570.77				
CURVE NO. 11	PC	892116.85	989518.35	1°39'40"	3000.00'	43.49'	86.97'
	PI	892158.40	989505.52				
	PT	892200.31	989493.89				

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed
Drawn C.L.M.
Reviewed K.P.R.
Scale 1"=20'
Project No. 2000353
Date 02/10/2022
Field Book
CAD File: RWY200035301

Title
SIDEWALK PLAN

Sheet No.
RWY-05

Xref (s): ; XR200035301 ; XY200035301 ; BD200035302

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Layout: RWY-05 24X36 ZOSC

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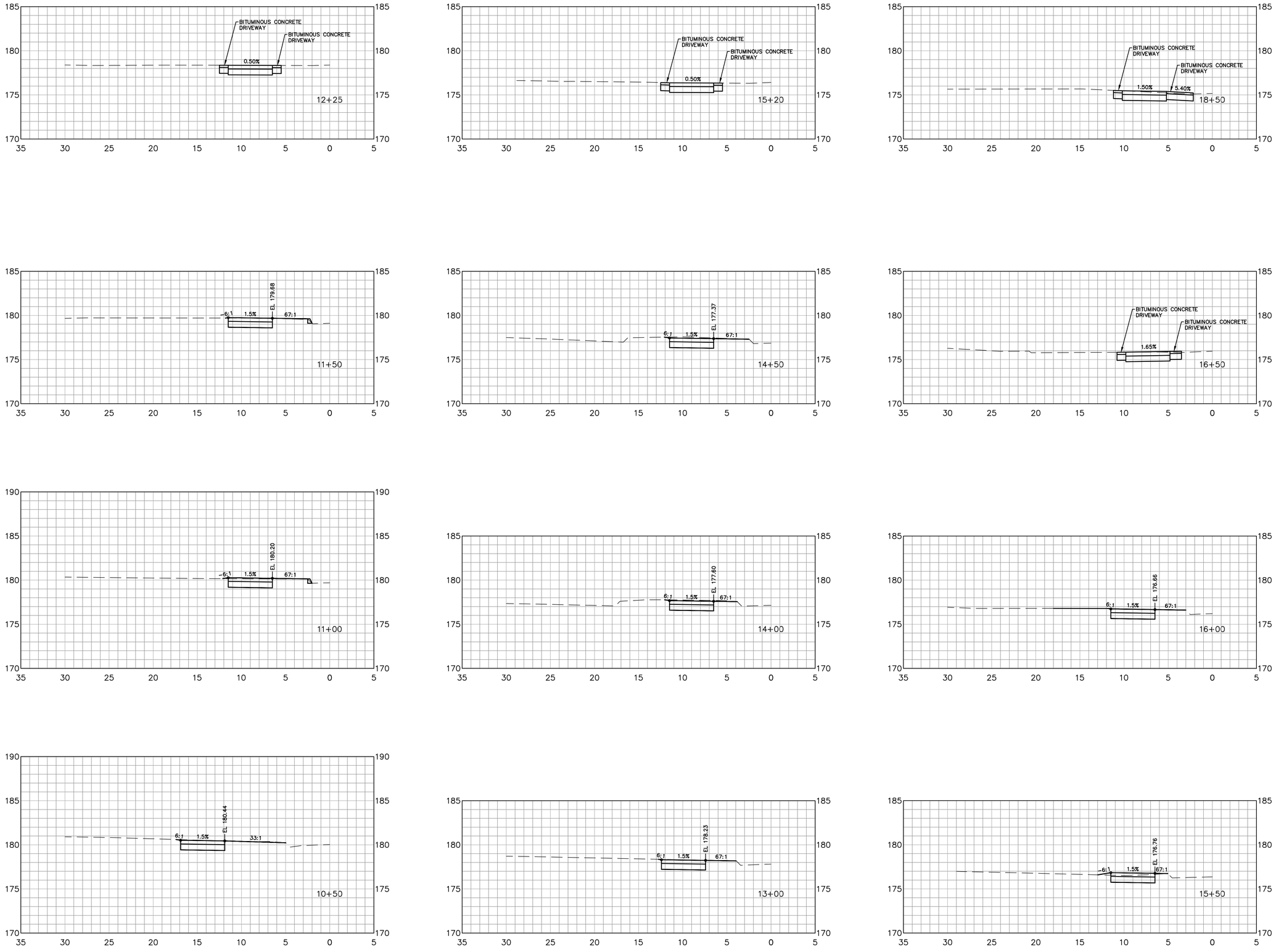

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=5'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	TXSC200035301

Title

HOPMEADOW STREET CROSS SECTIONS

Sheet No.

XSC-01

Xref (s): ; XY200035301 ; XR200035301 ; BD200035302

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Layout: XSC-01 24X36 SSC

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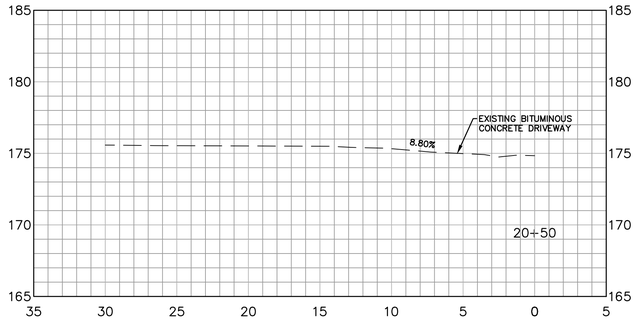

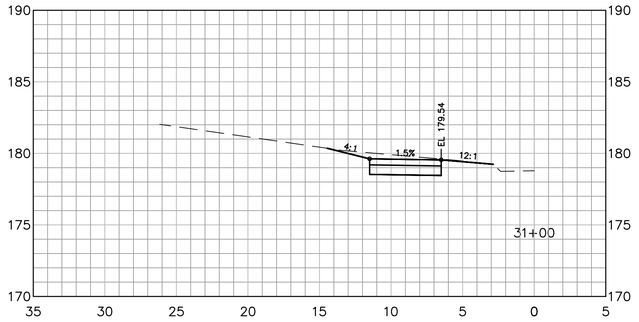

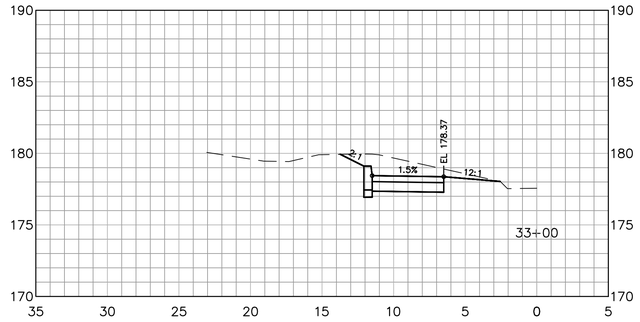

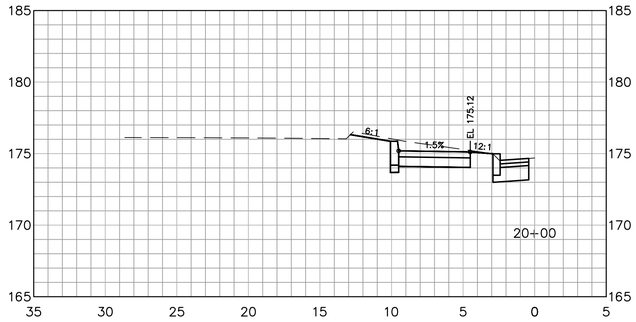

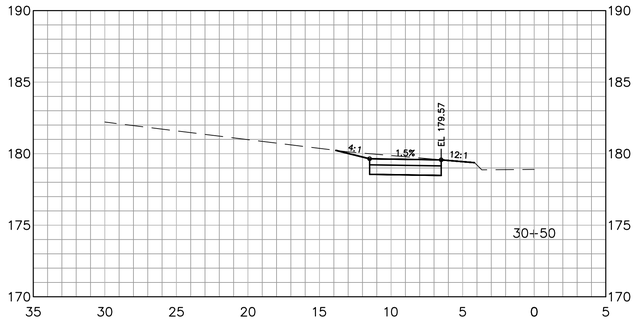

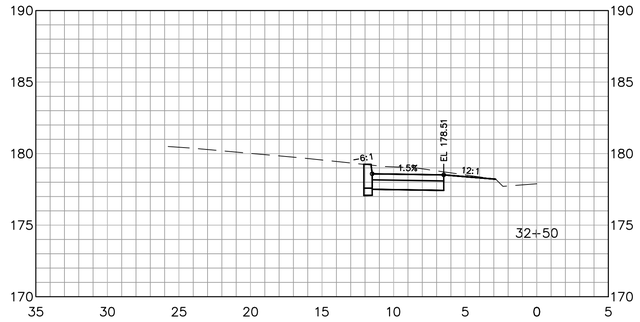

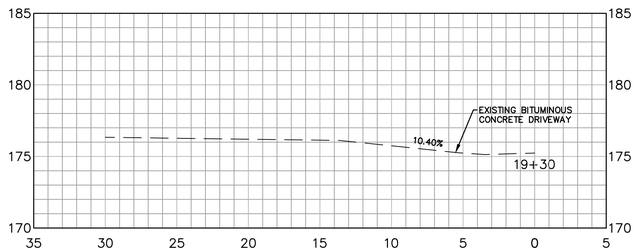

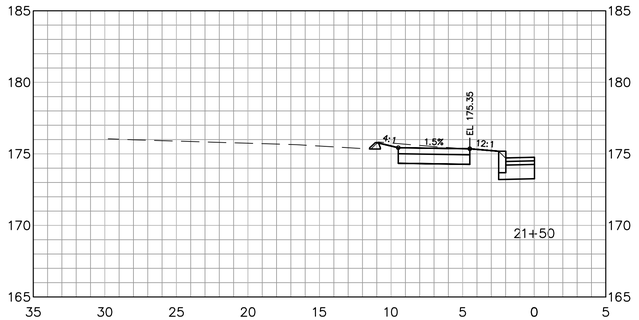

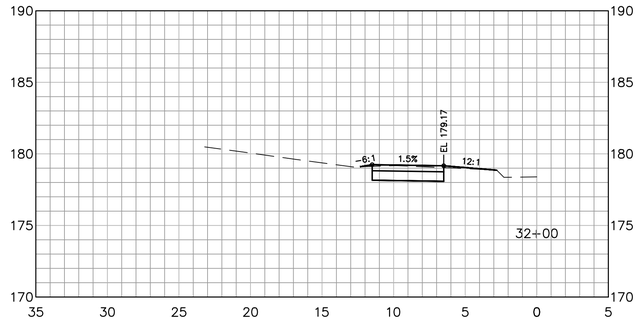

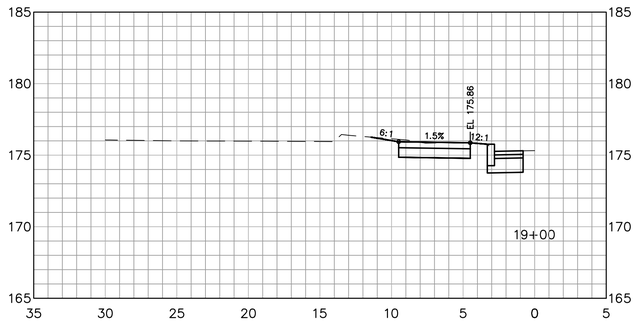

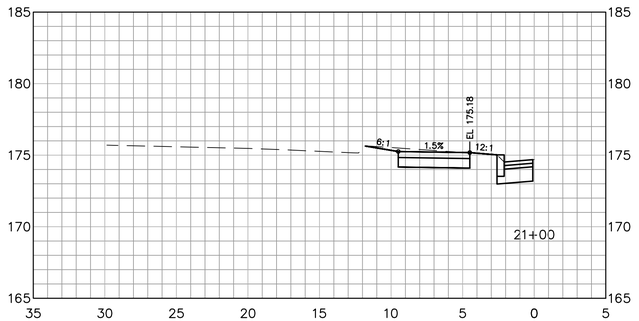

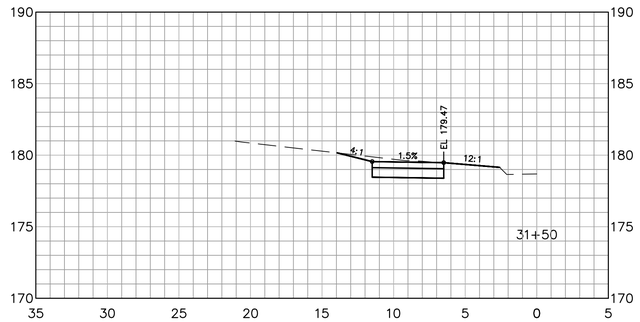

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=5'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File: TXSC2000355301	

Title

HOPMEADOW STREET CROSS SECTIONS

Sheet No.

XSC-02

Xref (s): ; XY2000353301 ; XR2000353301 ; BD2000353302

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Layout: XSC-02 24X36 SSC

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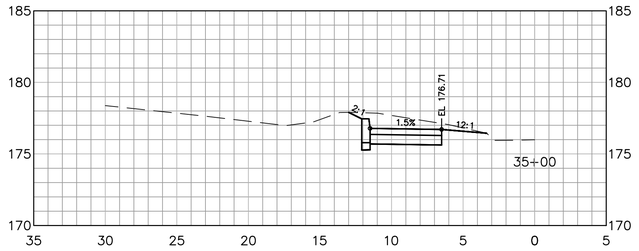

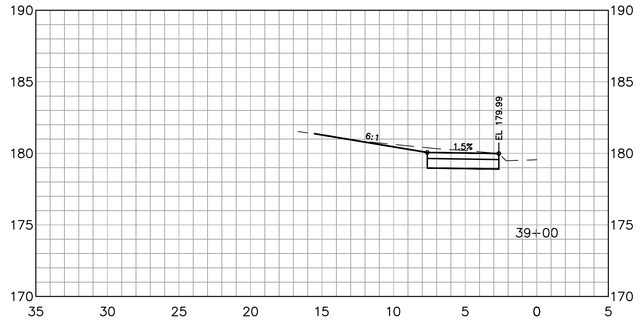

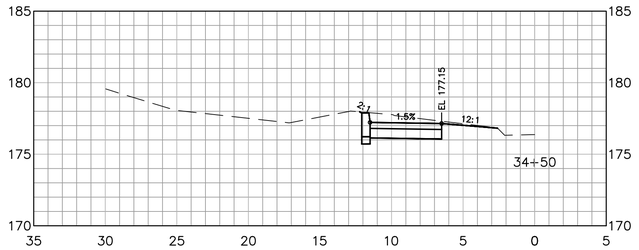

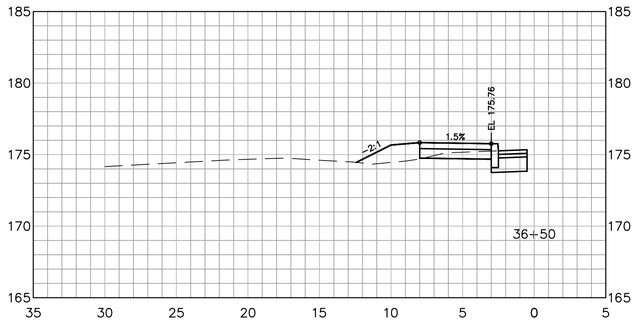

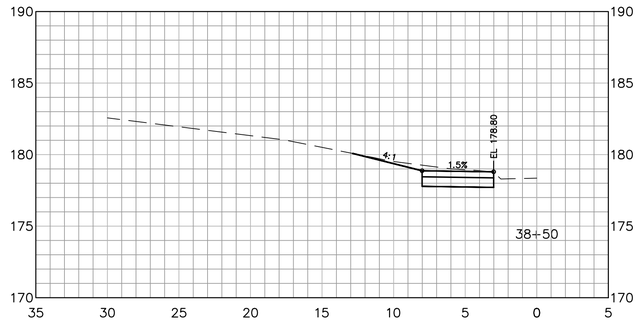

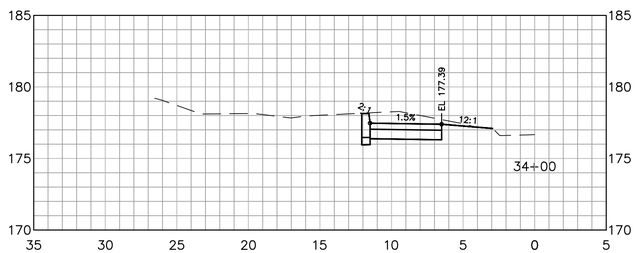

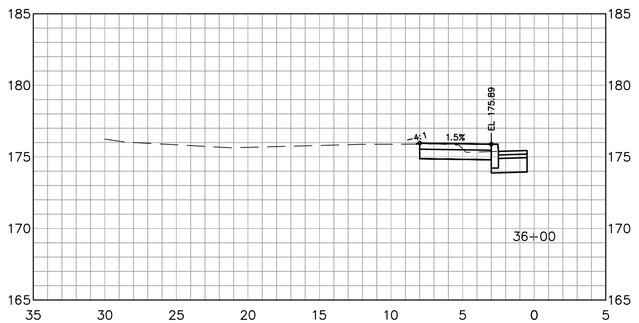

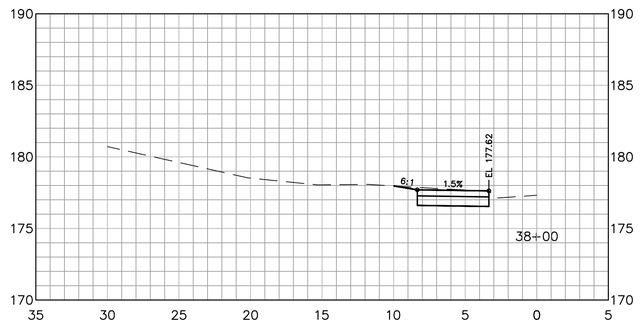

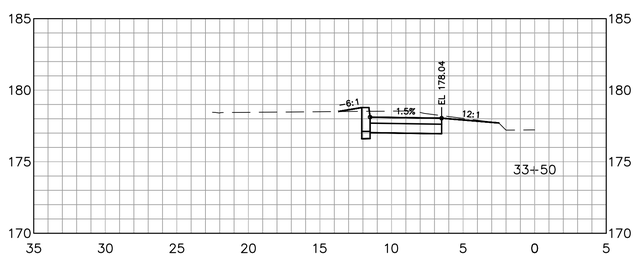

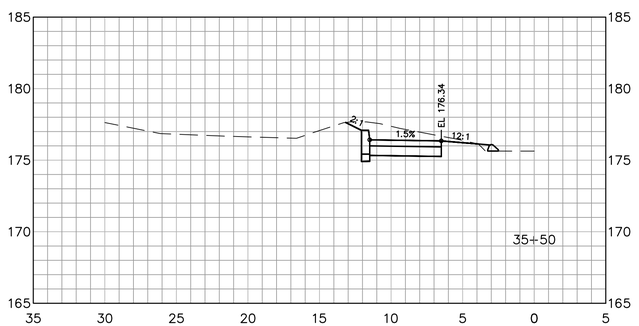

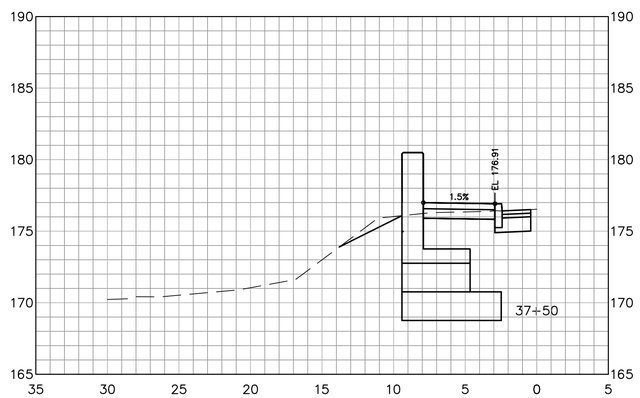

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed
Drawn C.L.M.
Reviewed K.P.R.
Scale 1"=5'
Project No. 2000353
Date 02/10/2022
Field Book
CAD File: TXSC200035301

Title

HOPMEADOW STREET CROSS SECTIONS

Sheet No.

XSC-03

Xref (s): ; XY200035301 ; XR200035301 ; BD200035302

Feb 04, 2022 - 4:01pm GMastriano G:\JOBS\20\02\2000353\DWG\TXSC200035301.dwg
Layout: XSC-03 24X36 SSC

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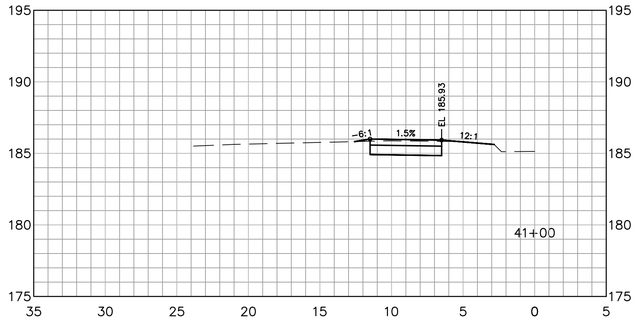

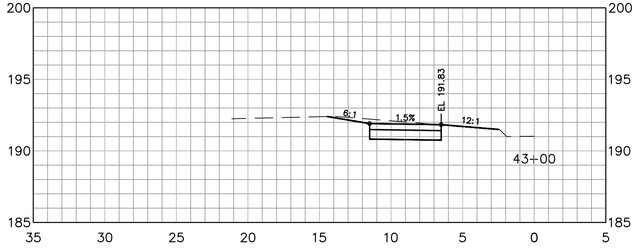

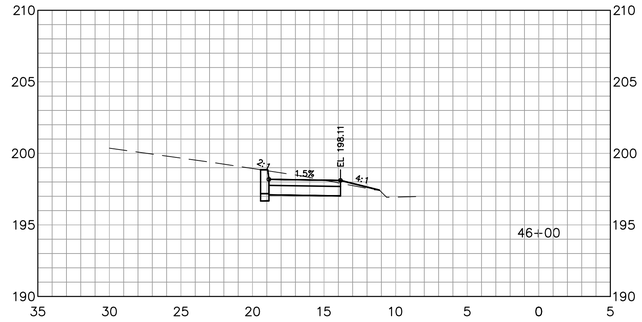

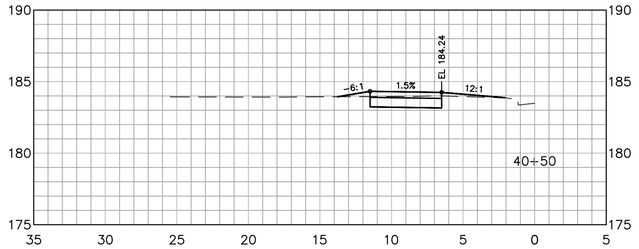

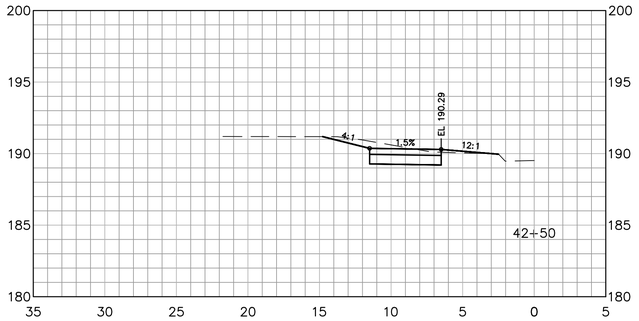

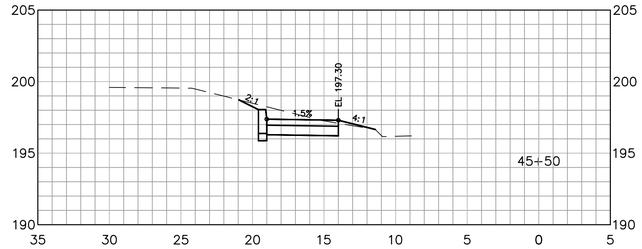

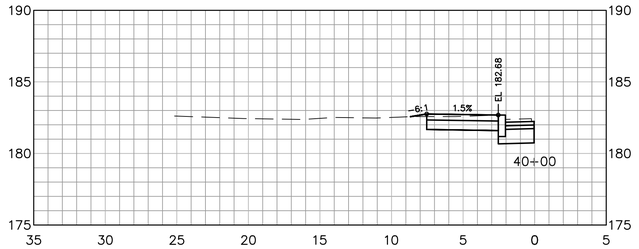

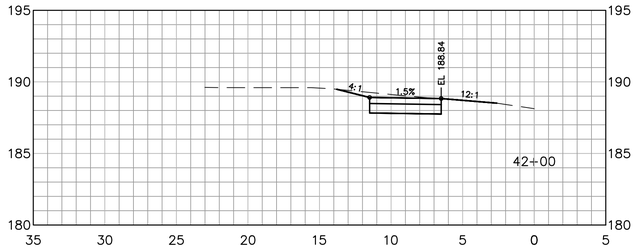

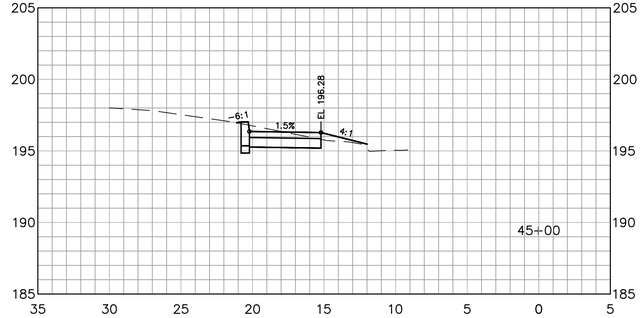

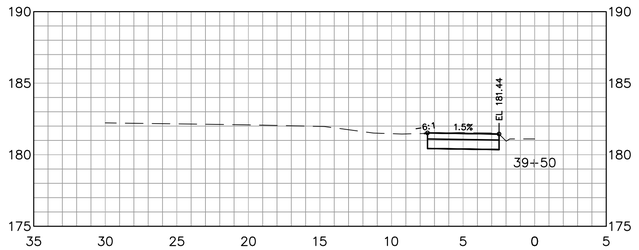

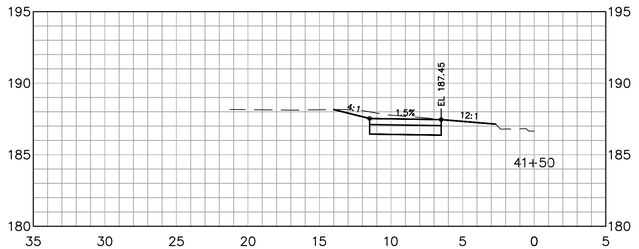

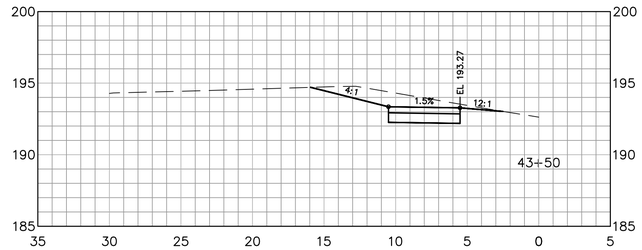

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=5'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File: TXSC200035301	

Title

HOPMEADOW STREET CROSS SECTIONS

Sheet No.

XSC-04

Xref (s): ; XY200035301 ; XR200035301 ; BD200035302

Feb 04, 2022 - 1:01pm GMastriano G:\JOBS\20\02\2000353\DWG\TXSC200035301.dwg
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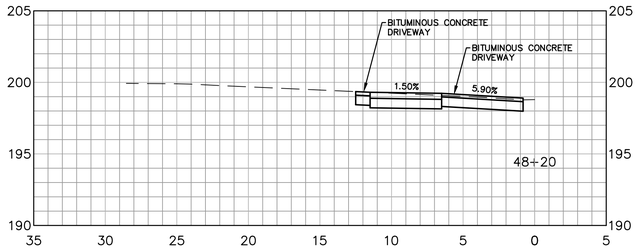

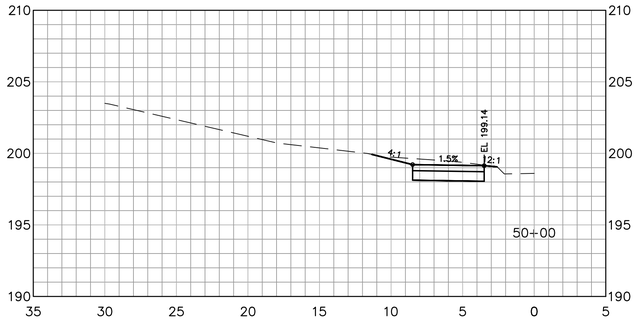

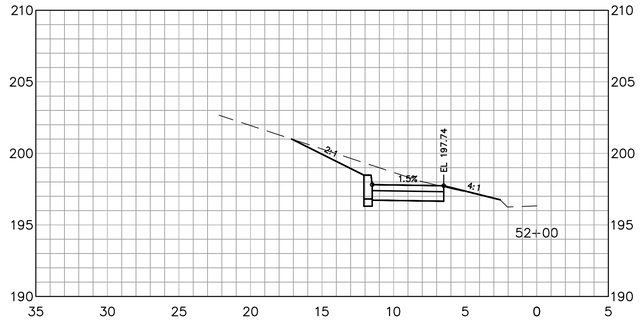

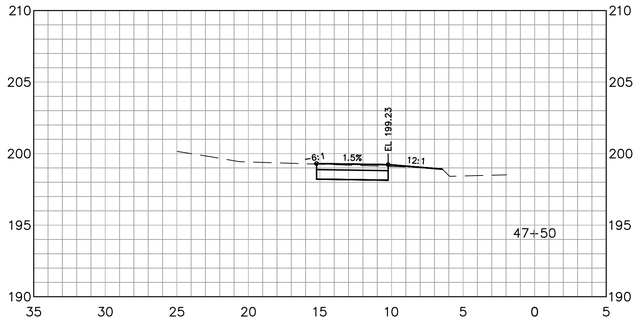

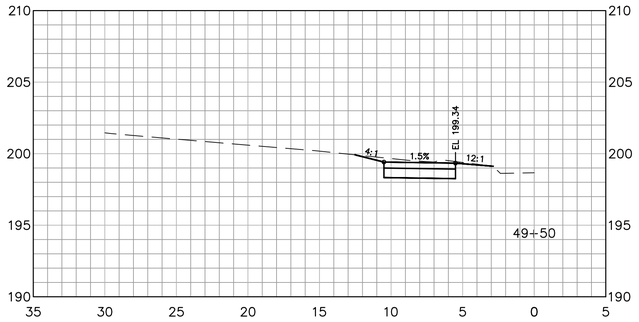

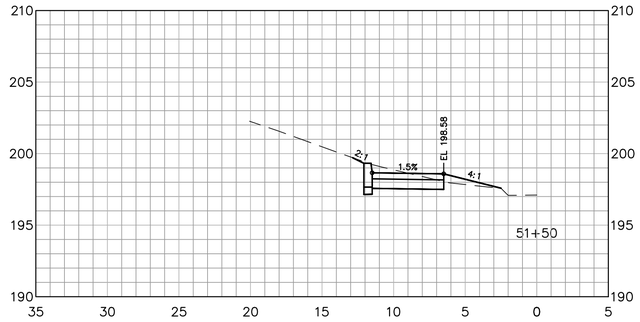

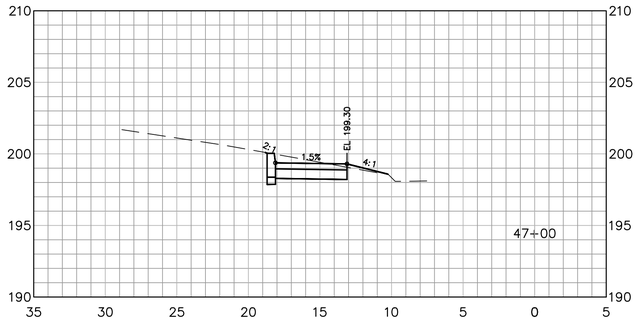

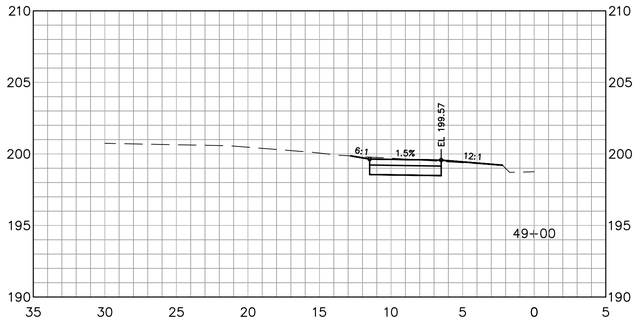

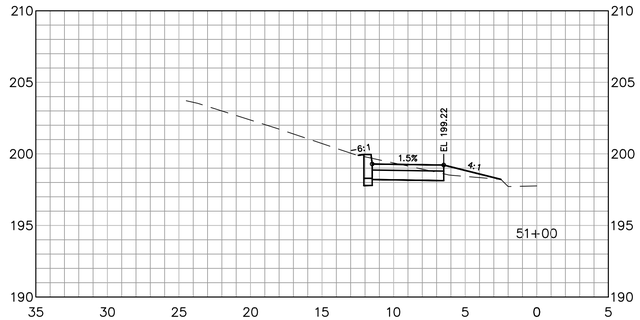

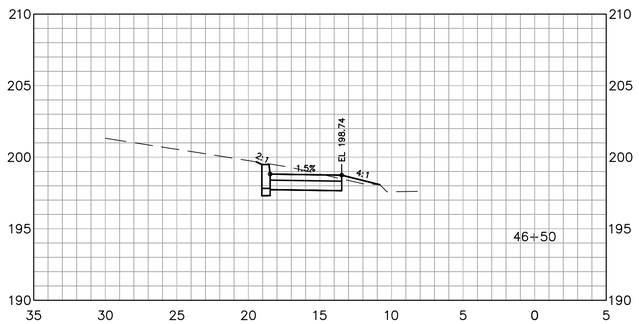

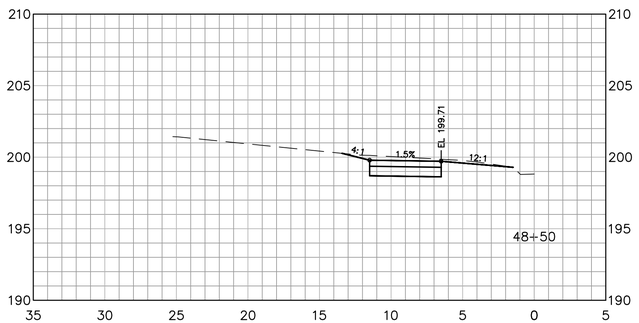

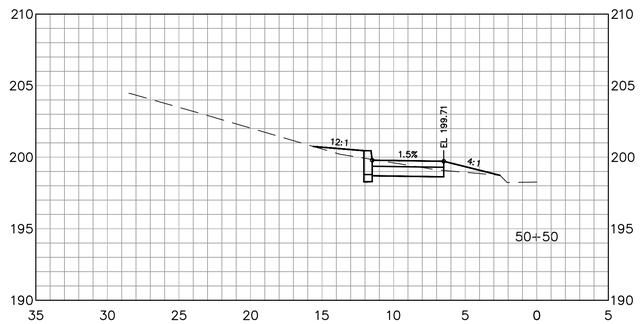

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=5'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File: TXSC200035301	

Title

HOPMEADOW STREET CROSS SECTIONS

Sheet No.

XSC-05

Xref (s): ; XY200035301 ; XR200035301 ; BD200035302

Feb 04, 2022 - 4:01pm GMartinez G:\JOBS\20\02\2000353\DWG\TXSC200035301.dwg
Layout: XSC-05 24X36 SSC

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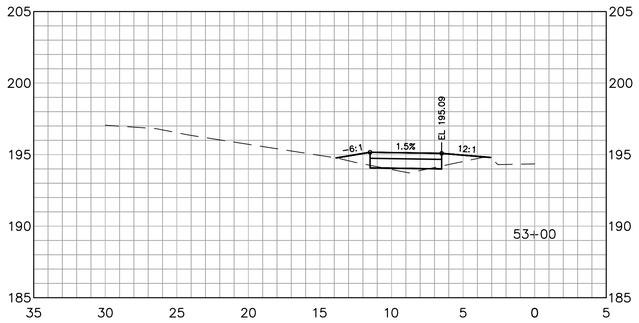

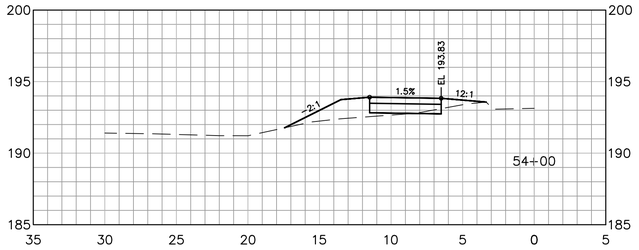

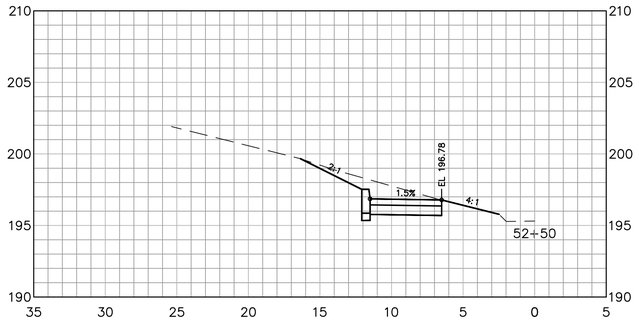

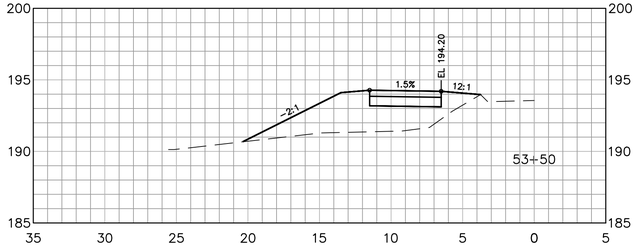

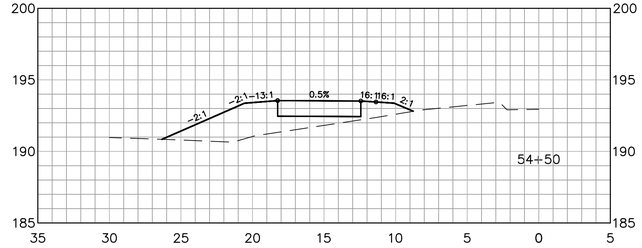

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Layout: XSC-06 24X36 SSC

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=5'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	TXSC200035301

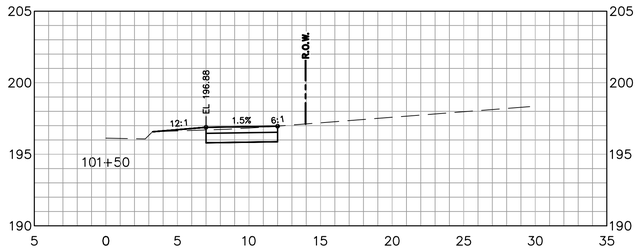
Title

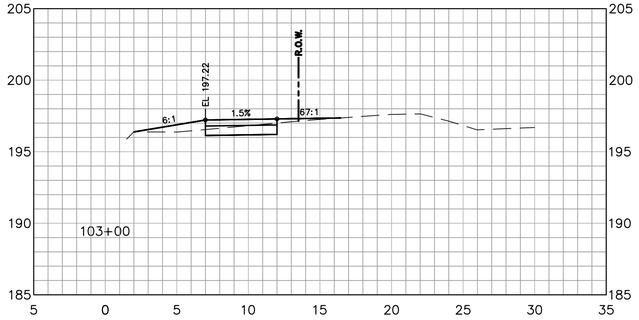
HOPMEADOW STREET CROSS SECTIONS

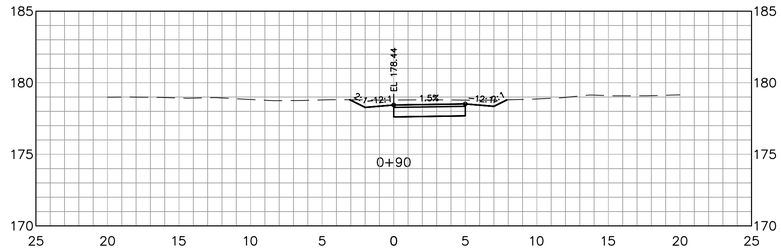
Sheet No.

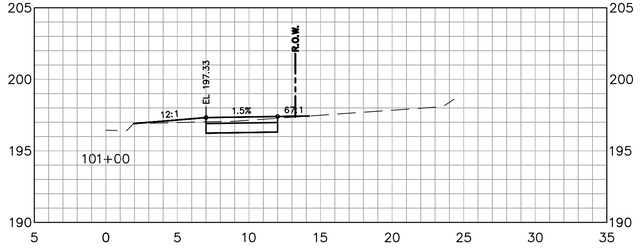
XSC-06

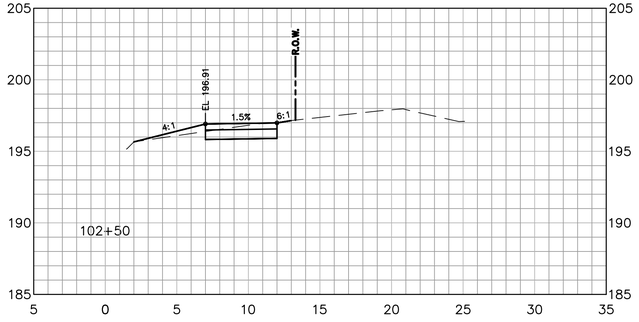
Xref (s): ; XY200035301 ; XR200035301 ; BD200035302

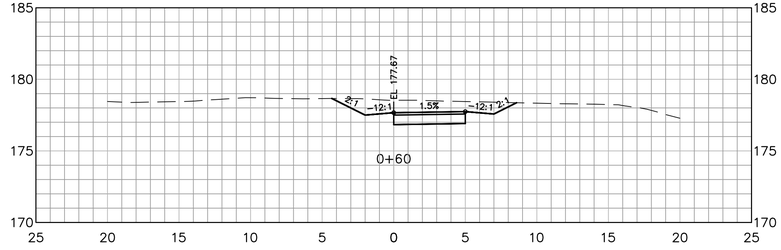


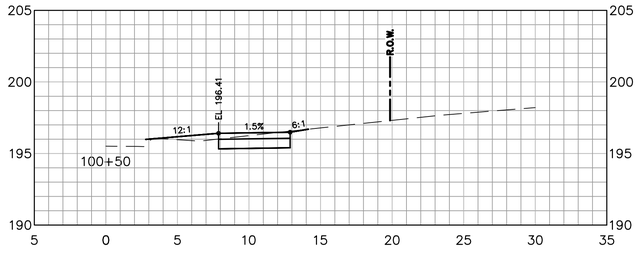


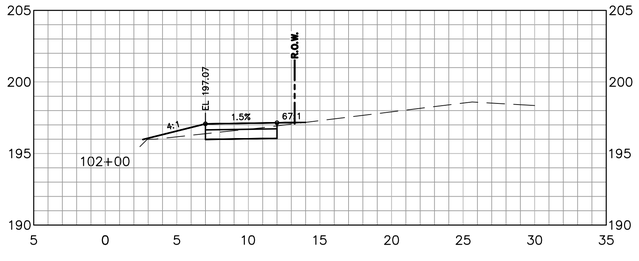


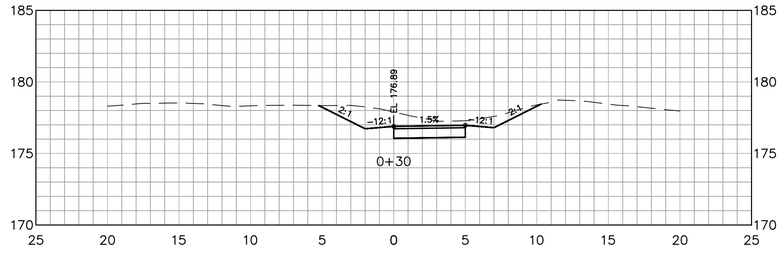












DORSETT CROSSING

TRAIL CONNECTION

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	1"=5'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File: TXSC200035301	

Title

ADDITIONAL CROSS SECTIONS

Sheet No.

XSC-07

Xref (s): ; XY200035301 ; XR200035301 ; BI200035302

Feb 04, 2022 4:01pm CMastriano G:\JOBS20\02\2000353\DWG\TXSC200035301.dwg
Layout: XSC-07 24X36 SSC

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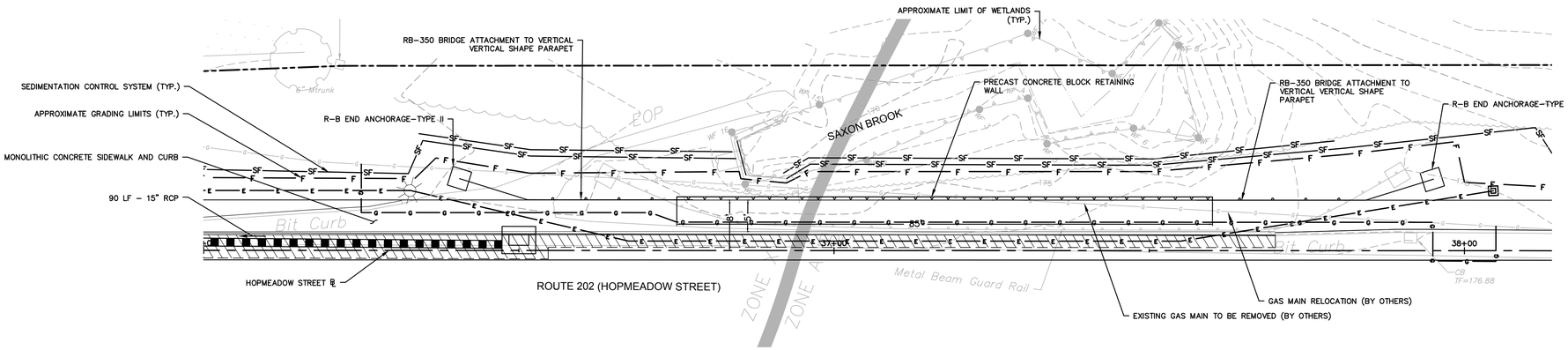
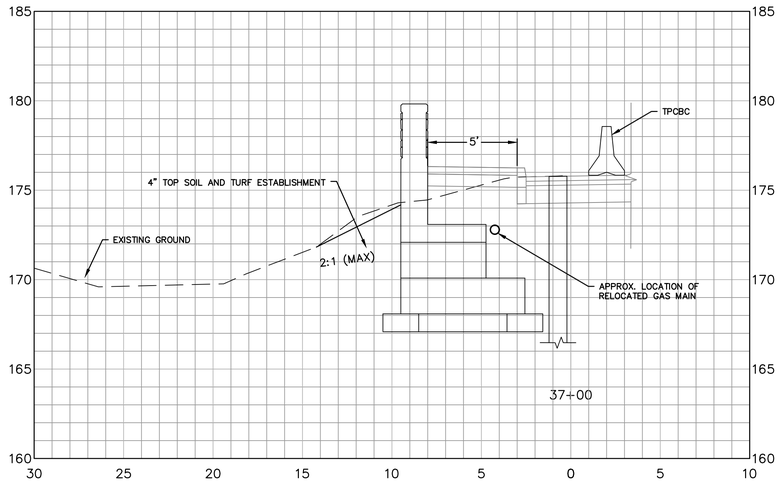


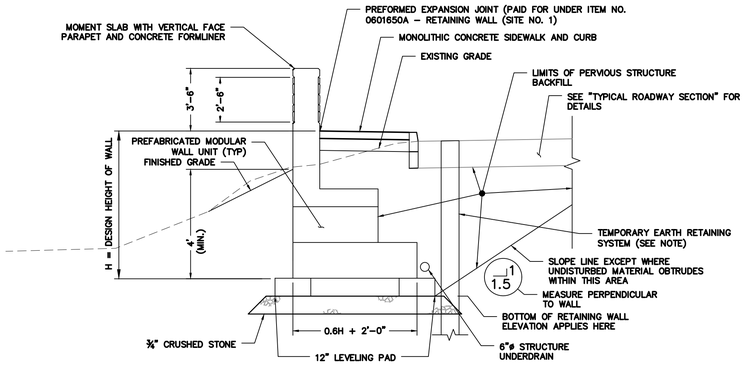
PLAN

SCALE: 1"=10'



SECTION VIEW

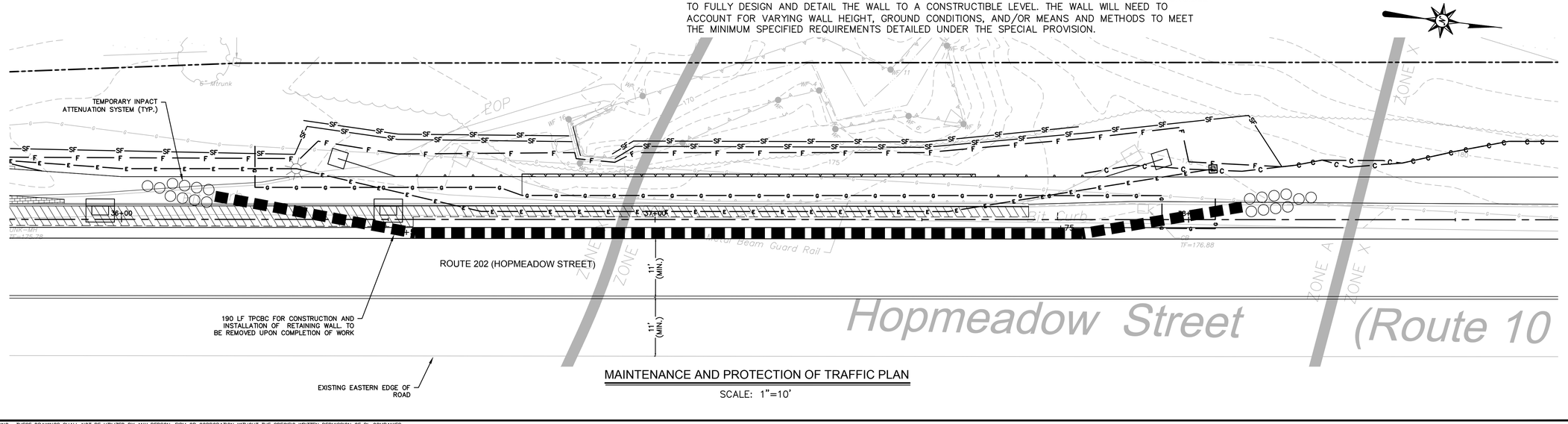
SCALE: 1"=4'



TYPICAL WALL SECTION

SCALE: N.T.S.

NOTE: WALL DETAILS SHOWN ON THIS SHEET ARE NOT SPECIFIC AND ARE PROVIDED TO SHOW A GENERAL REPRESENTATION OF THE DESIGN INTENT. THE CONTRACTOR'S DESIGNER WILL BE RESPONSIBLE TO FULLY DESIGN AND DETAIL THE WALL TO A CONSTRUCTIBLE LEVEL. THE WALL WILL NEED TO ACCOUNT FOR VARYING WALL HEIGHT, GROUND CONDITIONS, AND/OR MEANS AND METHODS TO MEET THE MINIMUM SPECIFIED REQUIREMENTS DETAILED UNDER THE SPECIAL PROVISION.



MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

SCALE: 1"=10'

NOTES

1. THE PRECAST CONCRETE BLOCK RETAINING WALL SHALL BE PAID UNDER ITEM #0601650A "RETAINING WALL (SITE NO. 1)".
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE PRECAST CONCRETE STRUCTURE, FOOTINGS, PARAPET AND MOMENT SLAB, AND GEOTECHNICAL DATA PER SPECIAL PROVISION FOR ITEM #0601650A – "RETAINING WALL (SITE NO. 1)".
3. CONSTRUCTION & INSTALLATION OF THE STRUCTURE SHALL CONFORM TO ALL PERMITTING CONDITIONS, SOIL EROSION & SOIL MANAGEMENT SPECIFICATIONS.
4. CONTRACTOR SHALL NOT DISTURB WETLANDS WHEN INSTALLING PROPOSED RETAINING WALL.
5. PERVIOUS STRUCTURE BACKFILL AND GRANULAR FILL REQUIRED FOR THE WALL SHALL BE PAID FOR UNDER ITEM #0601650A – "RETAINING WALL (SITE NO. 1)".
6. THE CONTRACTOR SHALL INSTALL A STRUCTURE UNDERDRAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEVELOPMENT OF DETAILS. ALL COSTS ASSOCIATED WITH THE DESIGN AND CONSTRUCTION OF THE UNDERDRAIN SYSTEM INCLUDING CONNECTIONS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM #0601650A – "RETAINING WALL (SITE NO. 1)".
7. TO LIMIT THE DISRUPTION AND DISTURBANCE TO THE TRAVELING PUBLIC, THE CONTRACTOR SHALL NOT PROCEED WITH PHYSICAL CONSTRUCTION AND INSTALLATION OF WALL UNTIL ALL APPROVALS HAVE BEEN RECEIVED AND ALL MATERIALS HAVE BEEN FABRICATED AND PROCURED BY THE CONTRACTOR TO COMPLETE THE CONSTRUCTION OF THE WALL IN ITS ENTIRETY.
8. PRECAST MATERIALS SHALL NOT BE SHIPPED UNTIL DESIGN STRENGTH HAS BEEN REACHED UNLESS OTHERWISE APPROVED BY THE OWNER.
9. CONCRETE FORMLINER PATTERN AND COLORING TO BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION OF PARAPET. CONCRETE FORMLINER AND COLORING TO BE CONSIDERED INCIDENTAL OF THE CONSTRUCTION OF THE WALL PARAPET AND SHALL BE PAID FOR UNDER ITEM #0601650A – "RETAINING WALL (SITE NO. 1)".
10. DURING THE CONSTRUCTION OF THE WALL, THE MINIMUM TRAVEL LANES SHALL BE MAINTAINED AS DEPICTED IN THE MAINTENANCE AND PROTECTION OF TRAFFIC PLAN AND SPECIAL PROVISION 0971001A – "MAINTENANCE AND PROTECTION OF TRAFFIC".

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

No.	Date	Desc.

Surveyed	
Drawn	S.E.P.
Reviewed	K.P.R.
Scale	VARIES
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File: TBRG200035301	

Title

RETAINING WALL PLAN AND SECTION VIEW

Sheet No.

S-01

Xref (s): : (DETATCH Upon Opening) EAT_Revisions : B020035302 : XY200035301 : XR200035301 : ZZ200035301

Feb 04, 2022 - 4:01pm Cikastrions G: \JOBS2P\07\2000353\DWG\TBRG200035301.dwg
Layout: S-01 (24X36)

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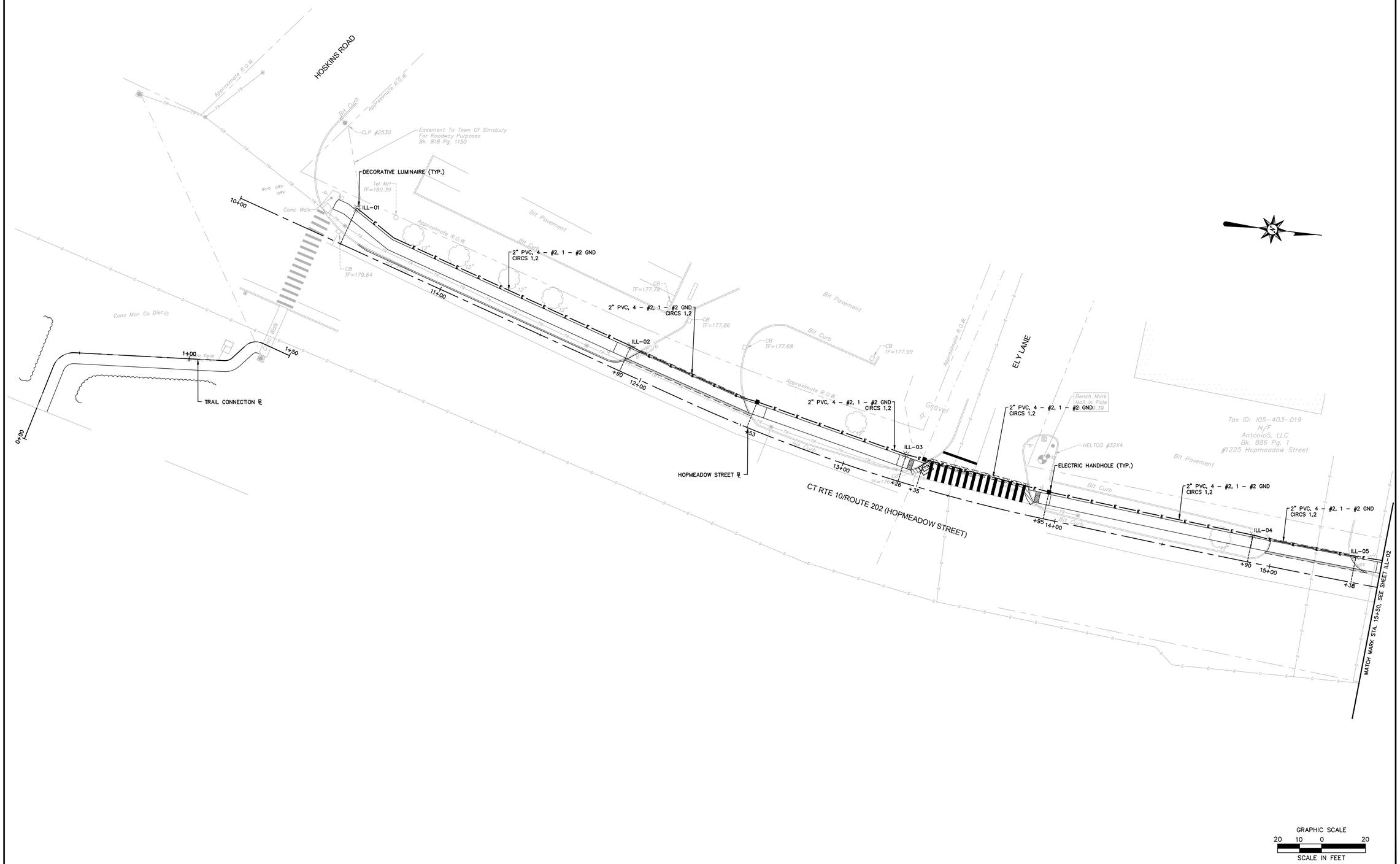
LEGEND

- BITUMINOUS CONCRETE DRIVEWAY
- FULL-DEPTH PAVEMENT STRUCTURE
- CONCRETE HANDHOLE
- 2" SCHEDULE 80 PVC
- DECORATIVE LUMINAIRE

TYPE	LUMS	WATTS	POLE HEIGHT	MOUNT	MANUFACTURER	FIXTURE #
	1	54W LED	12'-0"	POLE	LUMEC SQUARE LANTERN LARGE LUMINAIRE	SL-2 [S26A-004]-55W32LED4K-G3-GL-[C-002]-LE5-120-DMG-PH8-BKTX
POLE MODEL #	SL2 RTA906V-12-BKTX					



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HOPMEADOW STREET CONNECTIVITY PROJECT
HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

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Drawn	S.E.P.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	ILL200035301

Title
ILLUMINATION PLAN

Sheet No.
ILL-01

Feb 04, 2022 4:03pm CMastriano G:\JOBS20\02\2000353\DWG\ILL200035301.dwg
Layout: ILL-01 24X36 20SC

Xref (s): : XR200035301 : XY200035301 : BD200035302

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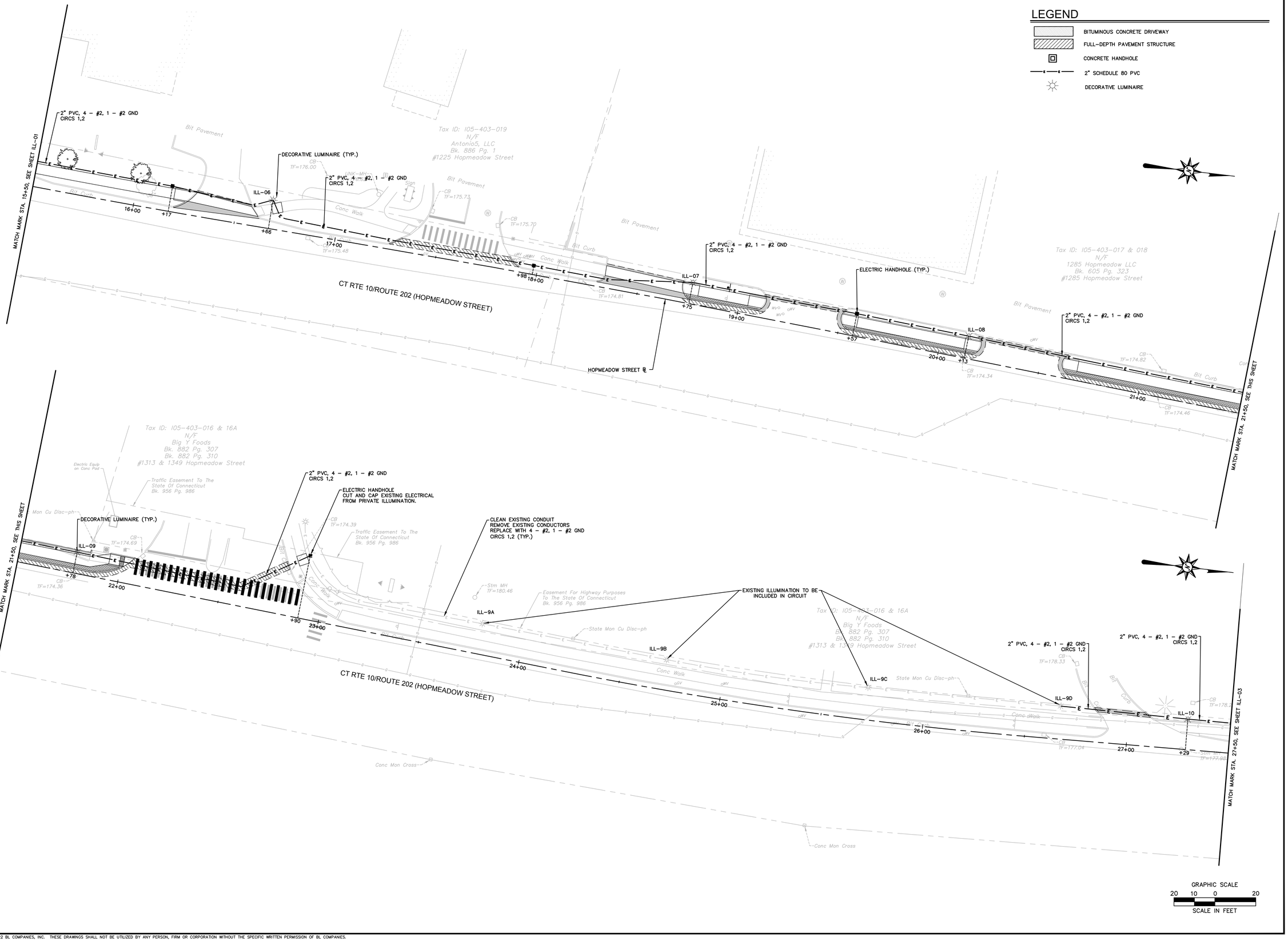

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REVISIONS

No.	Date	Desc.

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Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	ILL200035301
Title	

Sheet No.

ILL-02

Xref (s): ; XR200035301 ; XY200035301 ; BD200035302

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Layout: ILL-02 24X36 2DSC

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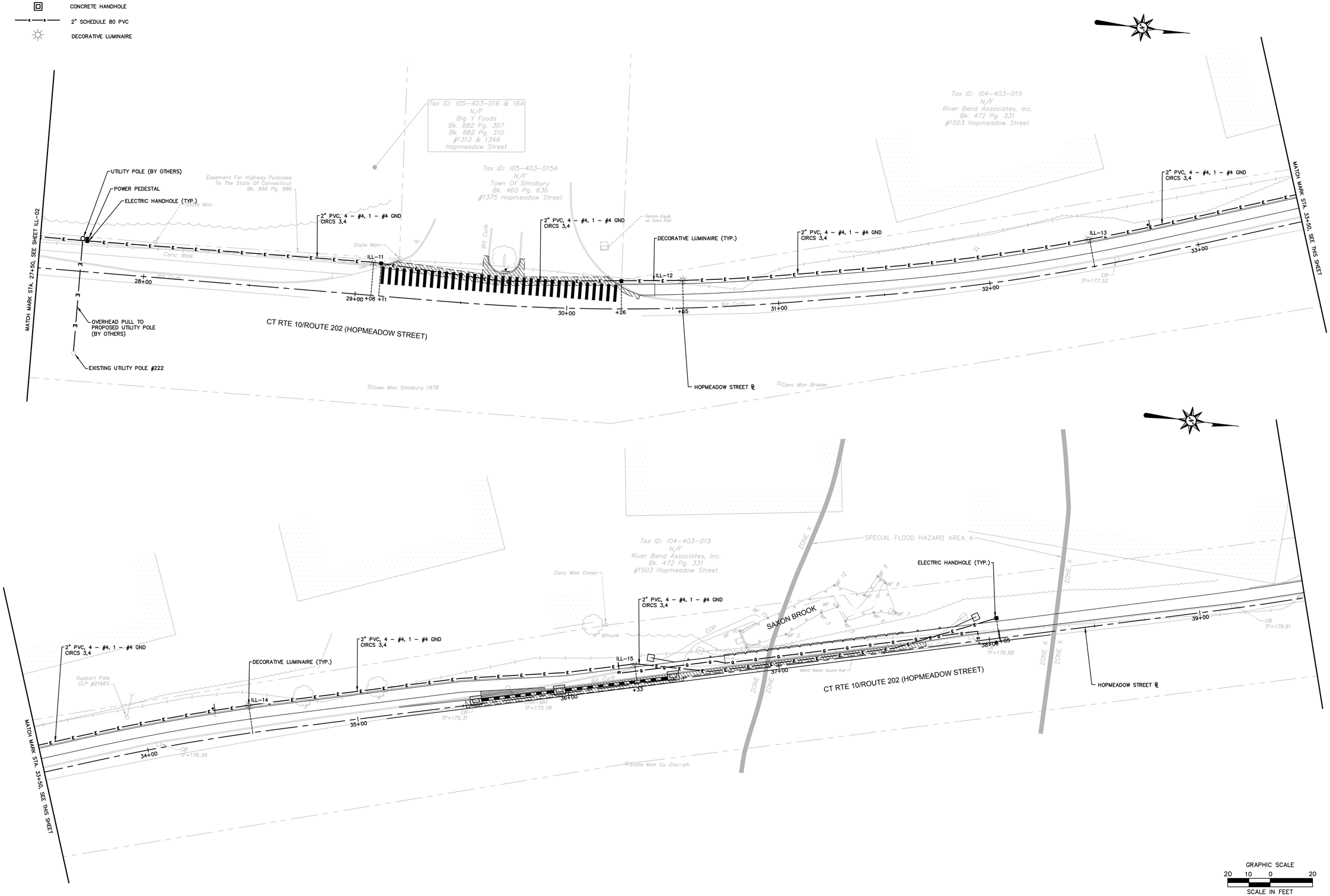
- FULL-DEPTH PAVEMENT STRUCTURE
- CONCRETE HANDHOLE
- 2" SCHEDULE 80 PVC
- DECORATIVE LUMINAIRE



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No.	Date	Desc.

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Drawn	S.E.P.
Reviewed	K.P.R.
Scale	1"=20'
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	ILL200035301

Title

ILLUMINATION PLAN

Sheet No.

ILL-03

Xref (s): ; XR200035301 ; XY200035301 | BD200035302

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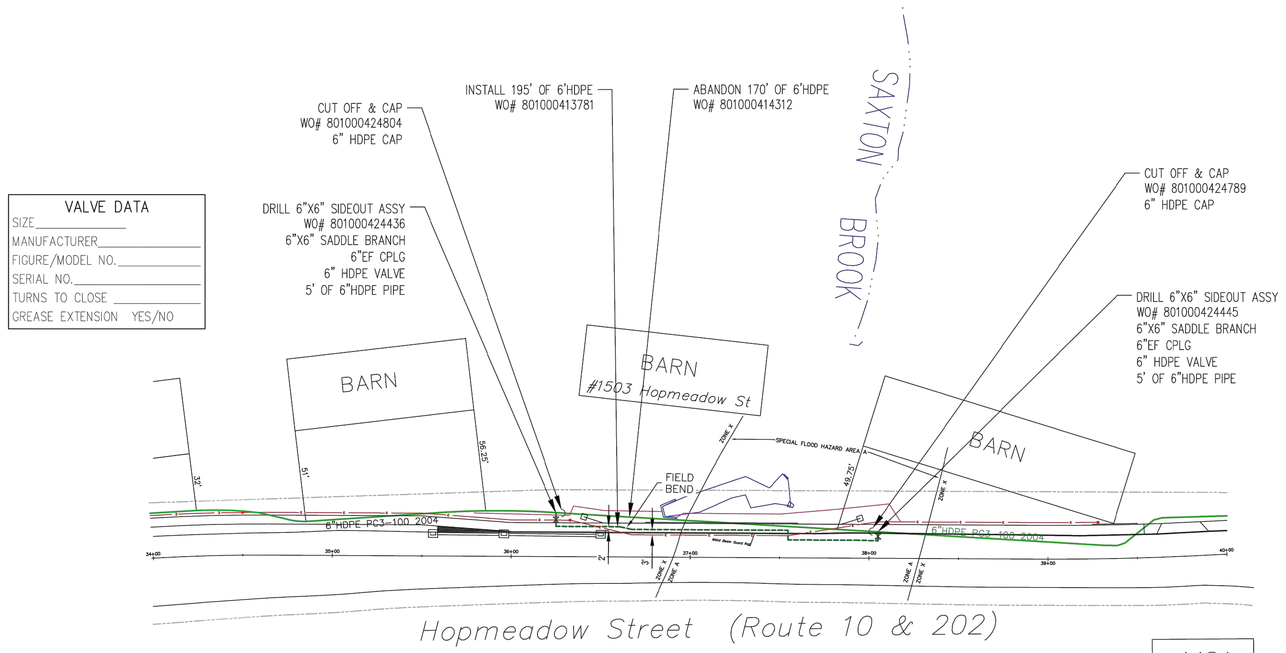

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Reviewed
Scale 1"=40'
Project No. 2000353
Date 02/10/2022
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FOR INFORMATION ONLY - GAS

Sheet No.

FIO-01

Xref (s): : BI0200035302

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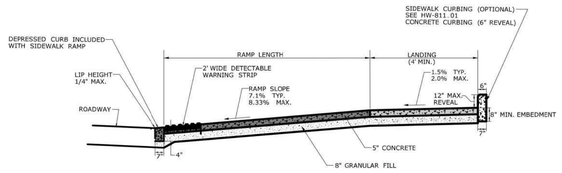
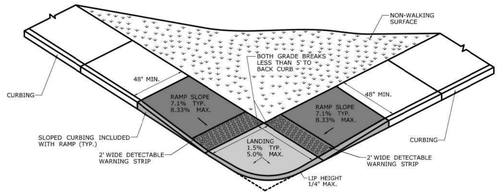


BASIC RAMP ATTRIBUTES

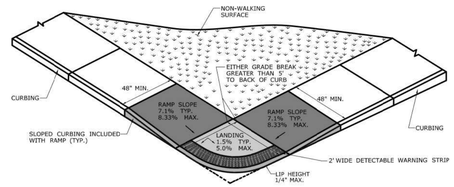
- Plan view of Ramp Components
- Section View of Typical Ramp
- Wheelchair Cross-slope Criteria
- Ramp Warping Detail



PERPENDICULAR RAMP(S)
LANDING'S GRADE BREAK OF 5' OR LESS

TYPE 1 SIDEWALK ABUTS ROADWAY

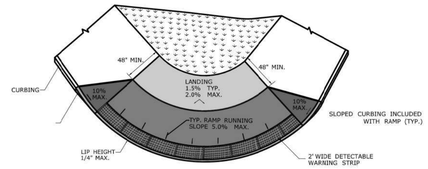
TYPE 3 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA



BLENDED RAMP(S)
LANDING'S GRADE BREAK GREATER THAN 5'

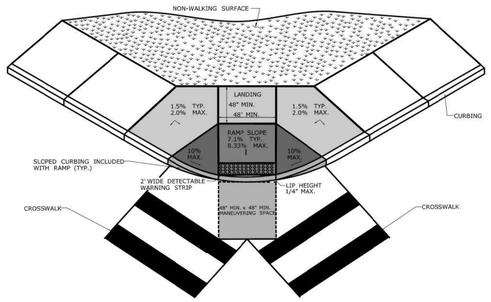
TYPE 2 SIDEWALK ABUTS ROADWAY

TYPE 4 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA



BLENDED RAMP(S)
LANDING'S IS LOCATED ON TOP

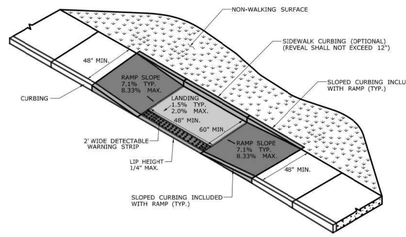
TYPE 5 SIDEWALK ABUTS ROADWAY



PERPENDICULAR RAMP(S) WITH STREET MANEUVERING SPACE

TYPE 6 LANDING OBSTRUCTION PRESENT

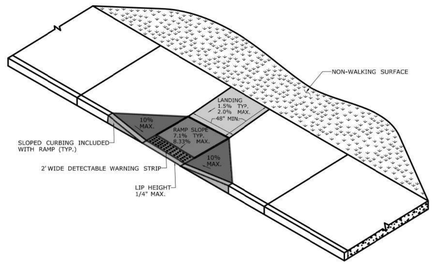
TYPE 7 NO LANDING OBSTRUCTION



PARALLEL RAMP(S)

TYPE 9 TWO RAMP(S) APPROACH TO LANDING

TYPE 10 SINGLE RAMP TO LANDING



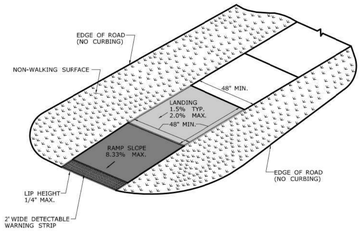
PERPENDICULAR RAMP(S)

TYPE 8 LANDING BYPASS WITH WALKABLE SURFACE

TYPE 13 LANDING WITH NON-WALKABLE SURFACE

TYPE 12 60" X 48" LANDING WITH NON-WALKABLE SURFACE

TYPE 11 60" X 60" LANDING WITH NON-WALKABLE SURFACE



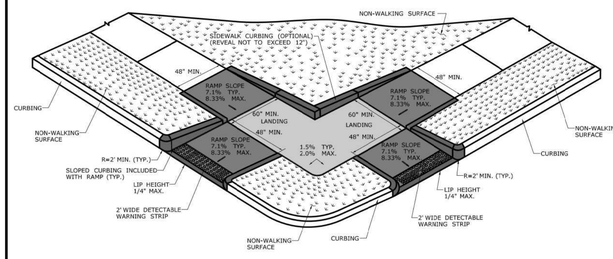
SINGLE DIRECTION RAMP(S)

TYPE 15 LANDING'S GRADE BREAK LESS THAN 5 FT

TYPE 14 LANDING'S GRADE BREAK GREATER 5 FT

TYPE 16 RAMP WITH RETURN CURBING

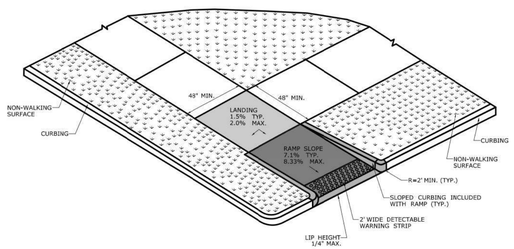
TYPE 17 RAMP WITH NO RETURN CURBING



PERPENDICULAR RAMP(S)

TYPE 18 EXAMPLE OF RAMP FLARE/CURB APPLICATIONS

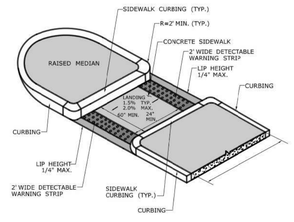
TYPE 19 COMBINATION SIDEWALK RAMPS



RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP(S)

TYPE 20 SINGLE RAMP FROM LANDING

TYPE 21 TWO RAMP(S) TO LANDING



PEDESTRIAN REFUGE ISLAND(S)

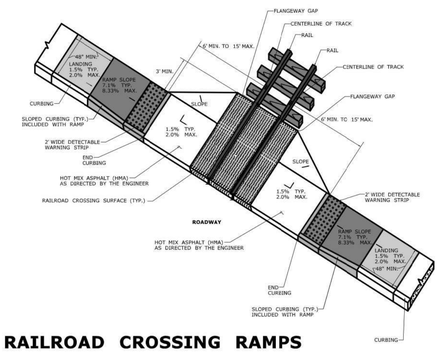
TYPE 22 ISLAND WIDTH 6 FT OR MORE

TYPE 23 ISLAND LESS THAN 6 FT WIDE

TYPE 24 REFUDGE ISLAND WITH ELEVATED LANDING

TYPE 25 RIGHT TURN SLIP-LANE REFUDGE ISLAND

TYPE 26 REFUDGE ISLAND WITH OFFSET ACCESS



RAILROAD CROSSING RAMPS

TYPE 27 RAILROAD CROSSING WITHOUT GATE

TYPE 28 RAILROAD CROSSING WITH GATE

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HOPMEADOW STREET CONNECTIVITY PROJECT

HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

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Reviewed	K.P.R.
Scale	AS NOTED
Project No.	2000353
Date	02/10/2022
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Title

SIDEWALK RAMP GUIDE SHEETS

Sheet No.

GD-01

Xref (s): : B02000353\02

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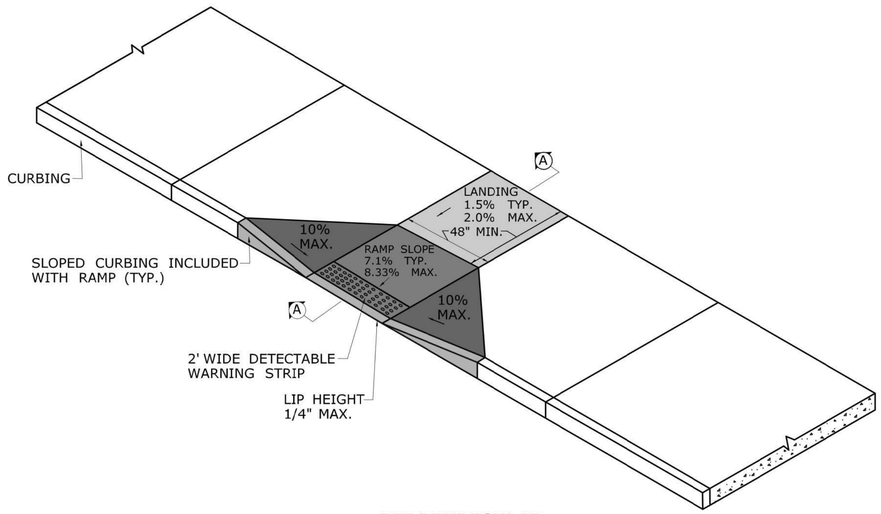
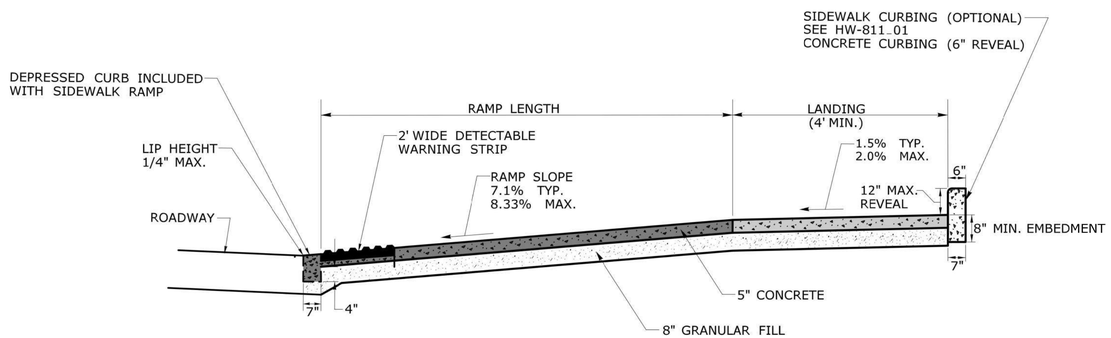


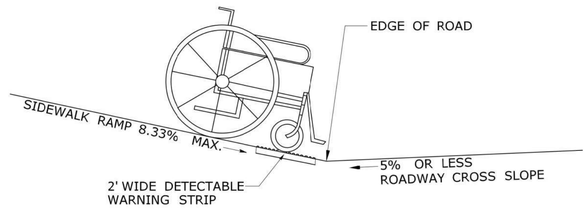
PERPENDICULAR SIDEWALK RAMP



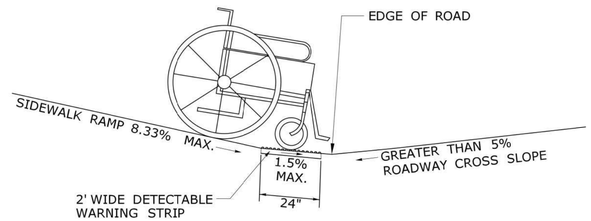
SECTION AA

GENERAL NOTES:

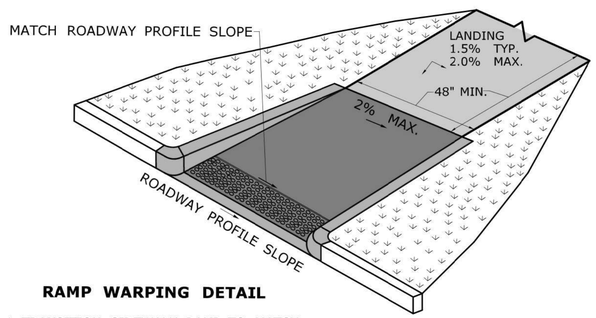
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.3 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.



SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS



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



RAMP WARPING DETAIL

1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3 % PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.

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SIMSBURY, CONNECTICUT

REVISIONS
No. Date Desc.

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Drawn	C.L.M.
Reviewed	K.P.R.
Scale	AS NOTED
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File:	GD200035301

Title
SIDEWALK RAMP GUIDE SHEETS

Sheet No.
GD-02

Xref (s): : BD200035302

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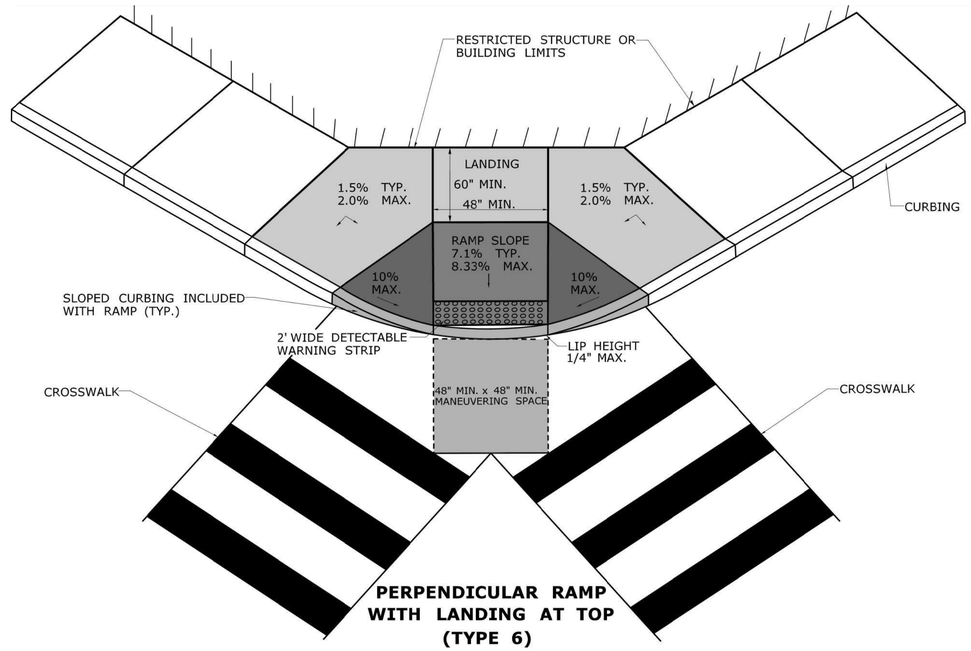
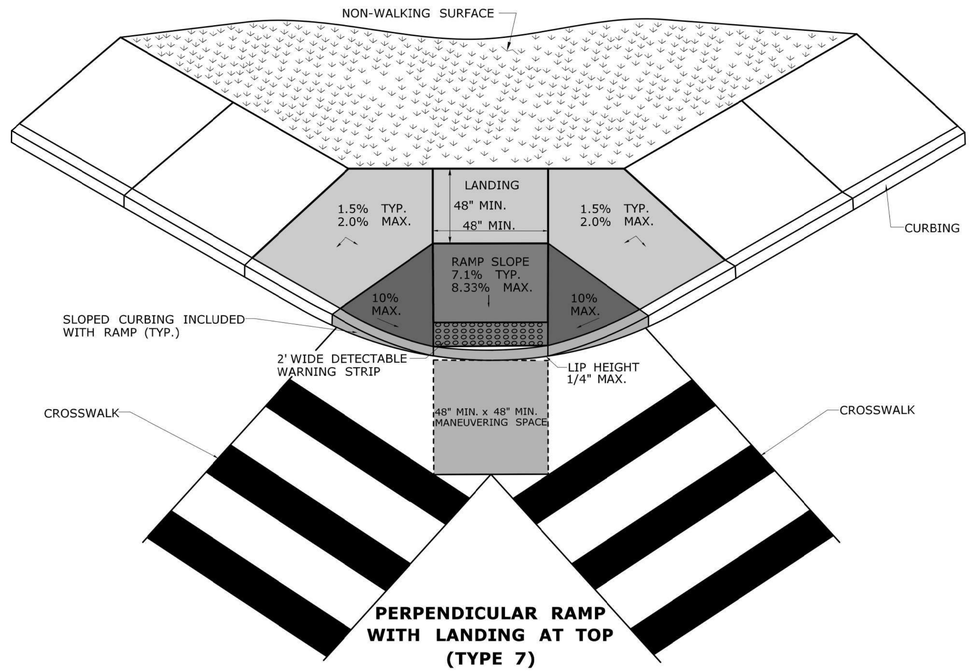


PERPENDICULAR RAMP WITH LANDING AT TOP (TYPE 6)



PERPENDICULAR RAMP WITH LANDING AT TOP (TYPE 7)

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HOPMEADOW STREET CONNECTIVITY PROJECT

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REVISIONS

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Drawn	C.L.M.
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Scale	AS NOTED
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Field Book	
CAD File:	GD200035301

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SIDEWALK RAMP GUIDE SHEETS

Sheet No.

GD-03

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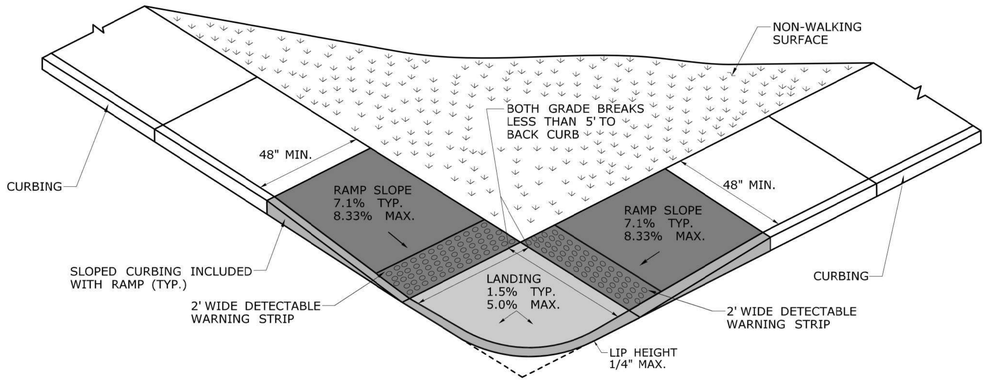
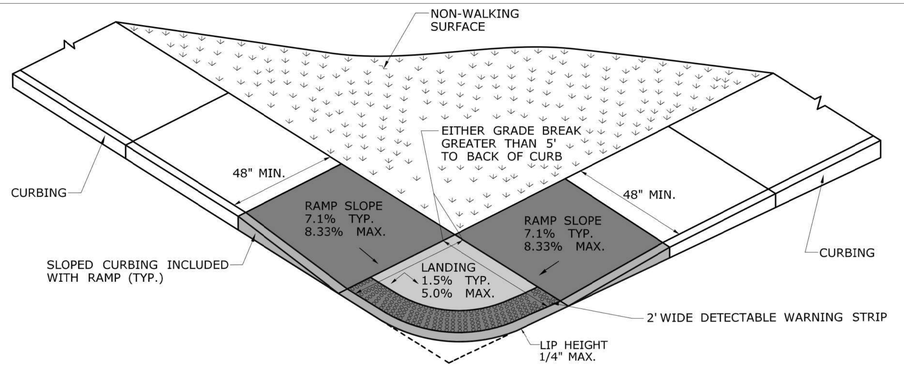
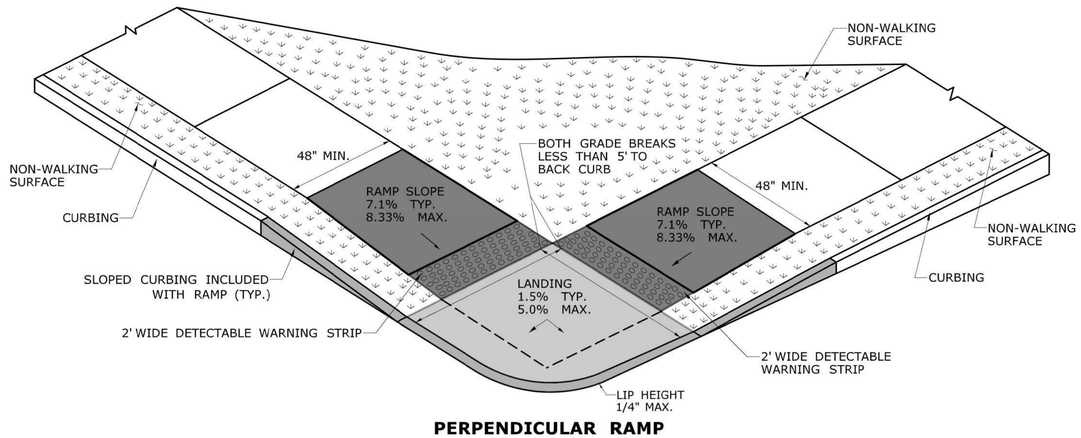


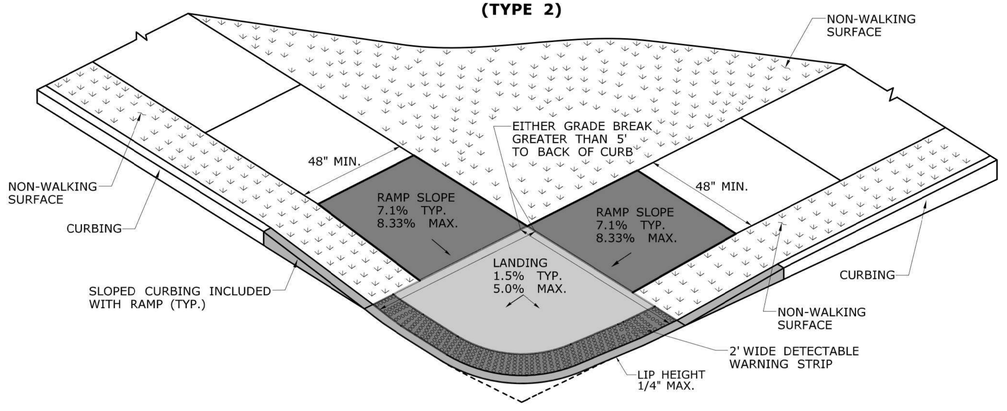
PERPENDICULAR RAMP WITH A GRADE BREAK OF 5' OR LESS (TYPE 1)



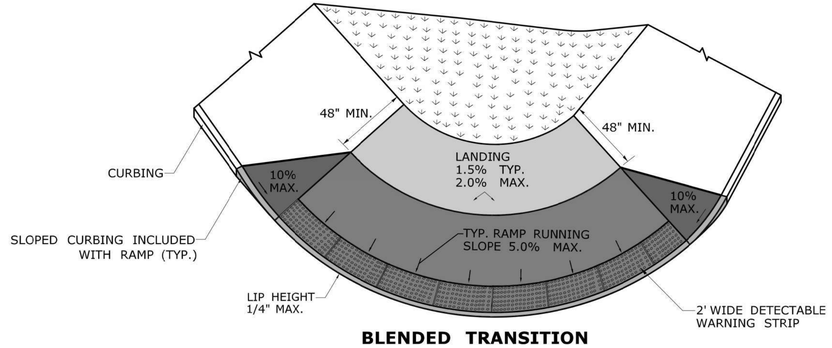
BLENDED TRANSITION WITH GRADE BREAK GREATER THAN 5' (TYPE 2)



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



BLENDED TRANSITION WITH A GRADE BREAK TO BACK OF CURB GREATER THAN 5' (TYPE 4)



BLENDED TRANSITION WITH LANDING AT TOP

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CAD File:	GD200035301

Title
SIDEWALK RAMP GUIDE SHEETS

Sheet No.
GD-04

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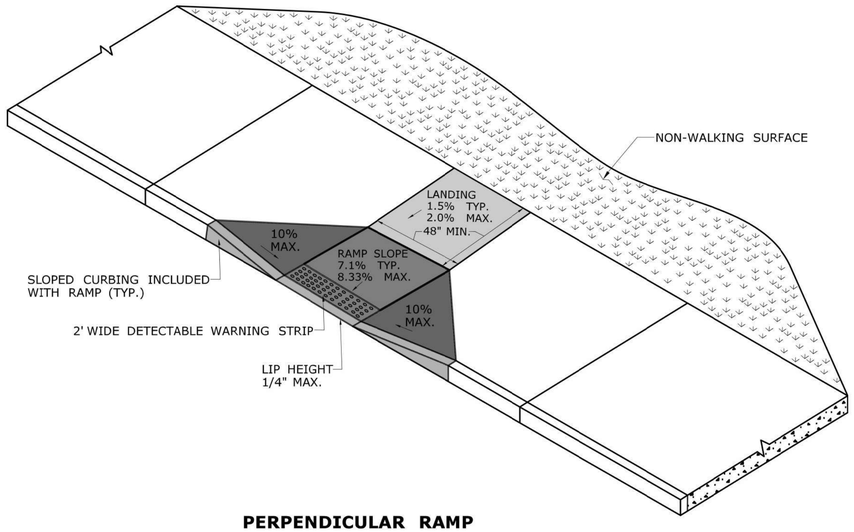
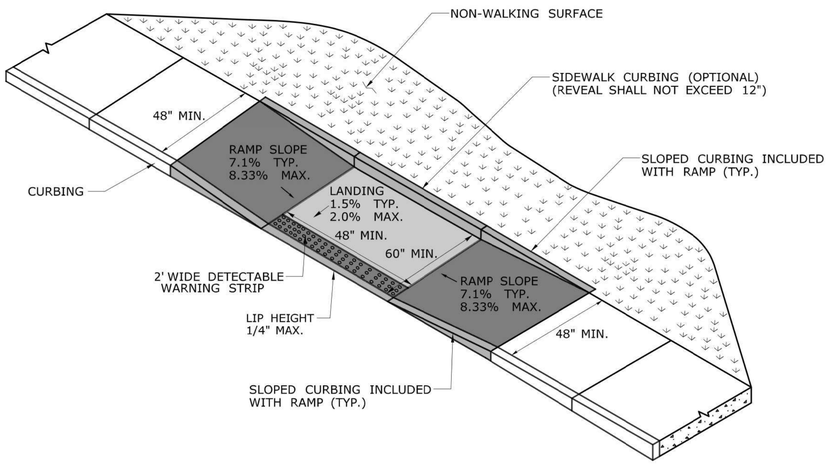
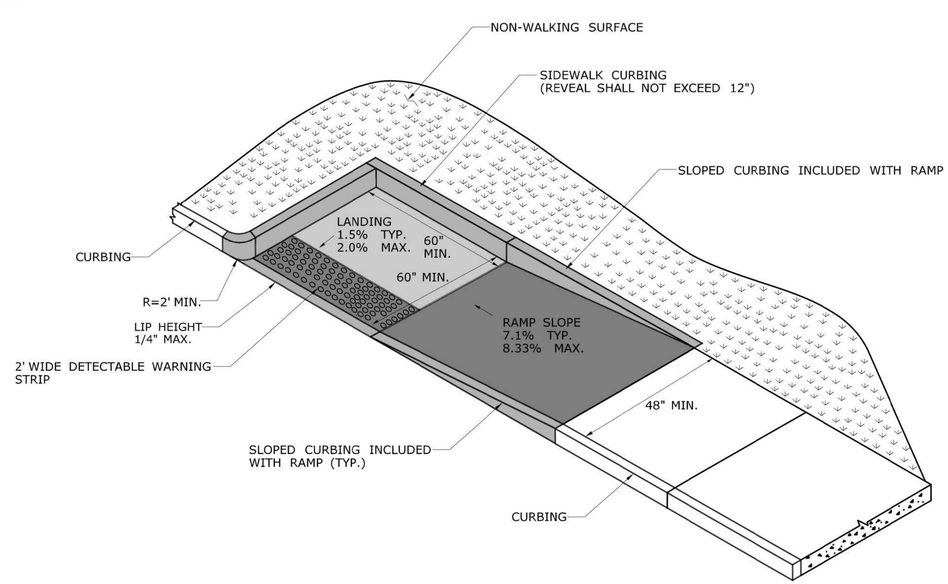


PERPENDICULAR RAMP
WITH 48" BY-PASS
(TYPE 8)



PARALLEL RAMP WITHOUT
NON-WALKING SURFACE
(TYPE 9)



PARALLEL RAMP
WITH LANDING AT BOTTOM ON CORNER
(TYPE 10)

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REVISIONS
No. Date Desc.

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Reviewed	K.P.R.
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Title
SIDEWALK RAMP GUIDE SHEETS

Sheet No.
GD-05

Feb 04, 2022 4:05pm CMastriano G:\JOBS\20\02\2000353\DWG\GD2000035301.dwg
Layout: GD-05 24x36 NTS

Xref (s): : BD2000353O2

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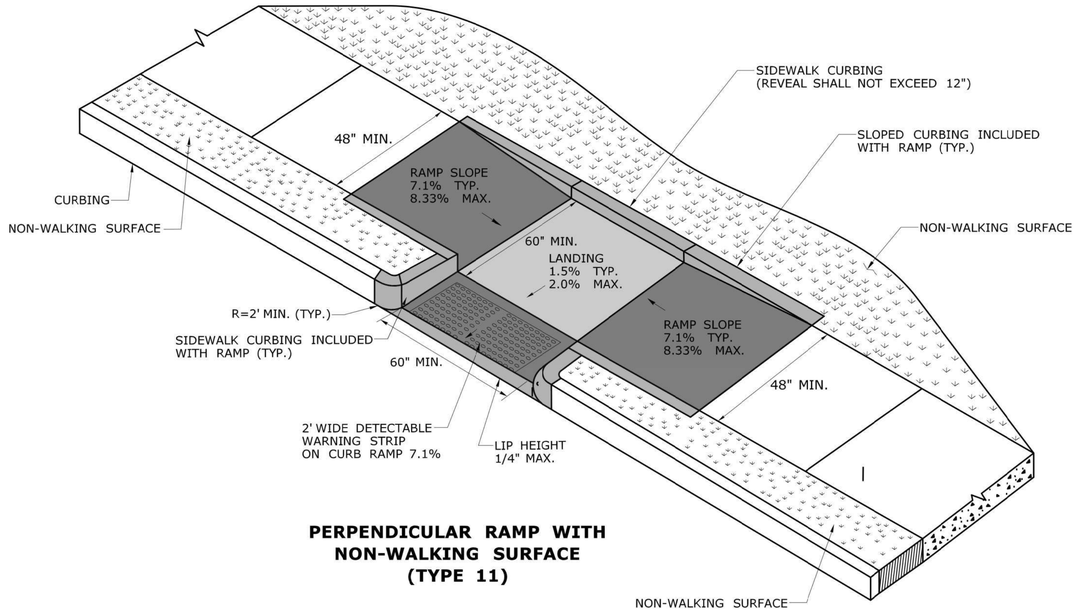
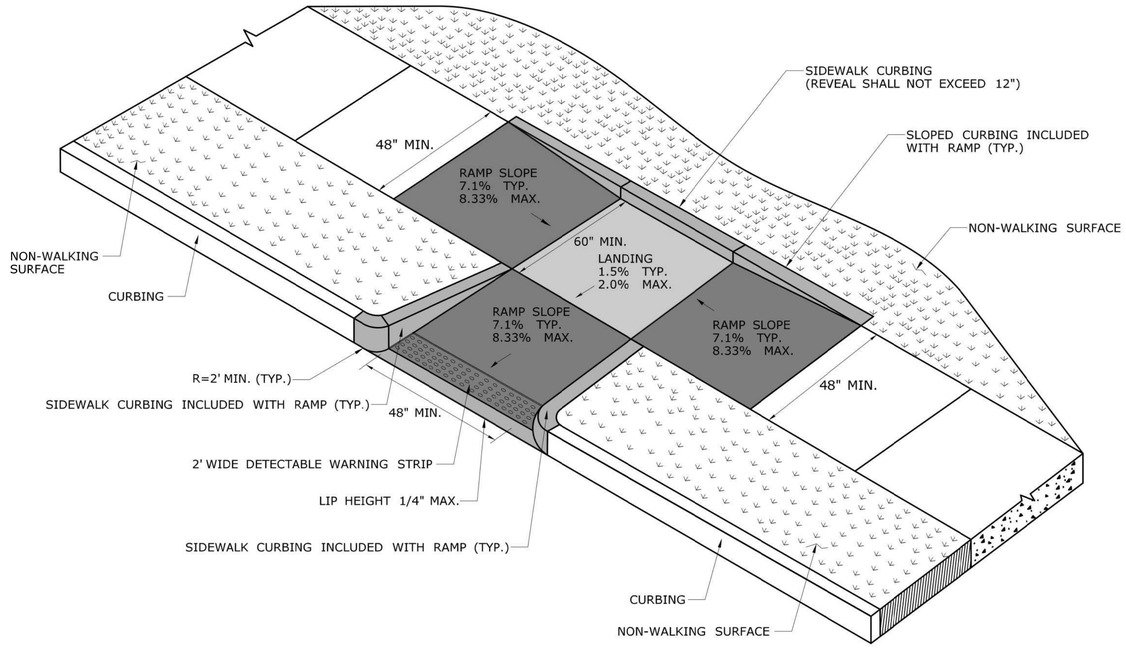
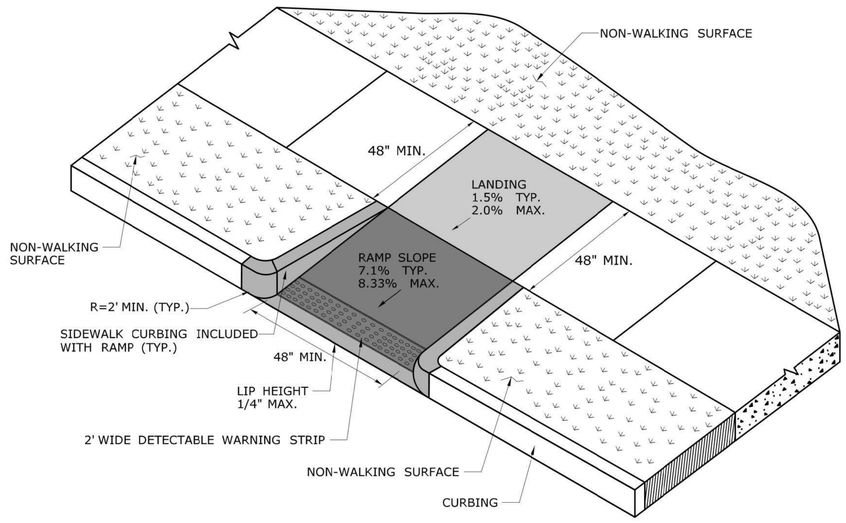


PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 11)



PERPENDICULAR RAMP WITH SIDEWALK CURB AND NON-WALKING SURFACE (TYPE 12)



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 13)

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Field Book	
CAD File: GD200035301	

Title

SIDEWALK RAMP GUIDE SHEETS

Sheet No.

GD-06

Xref (s): : BD200035302

File: 04_2022-4-05pm C:\Users\rians c_JOBS\20\02\2000353\DWG\GD200035301.dwg
Layout: GD-06 24x36 NTS

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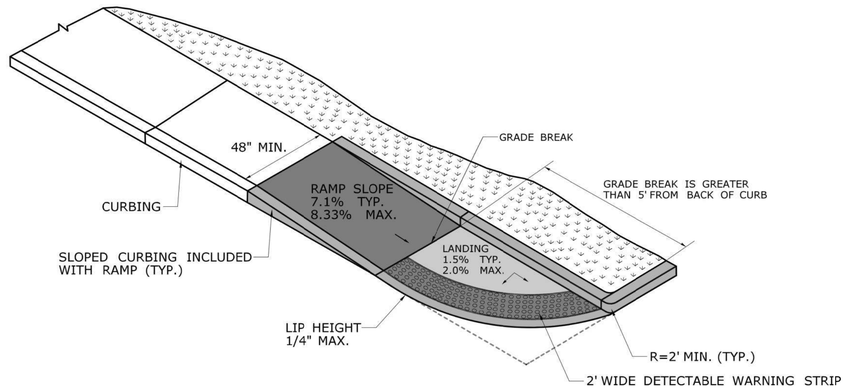
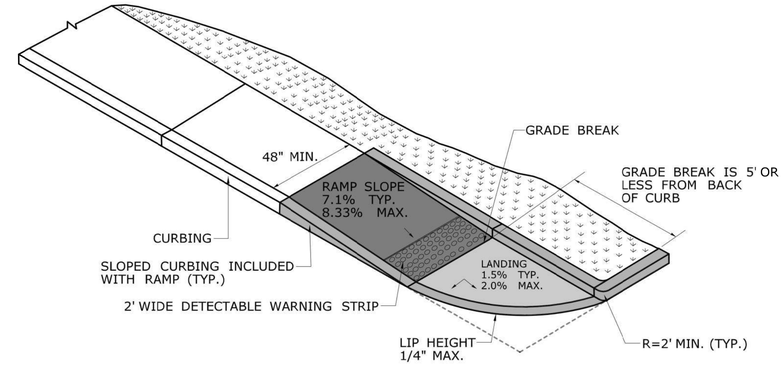
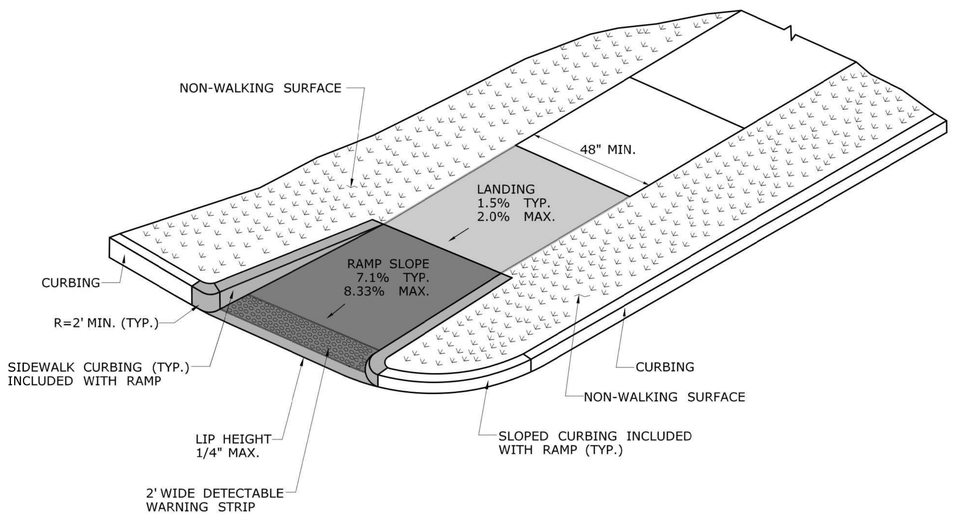


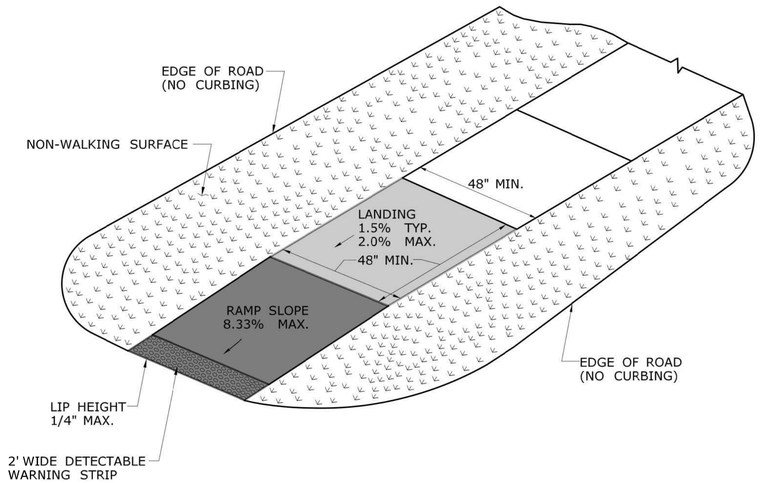
SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK GREATER THAN 5'
(TYPE 14)



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



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



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

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Title
SIDEWALK RAMP GUIDE SHEETS

Sheet No.
GD-07

Xref (s): : BD200035302

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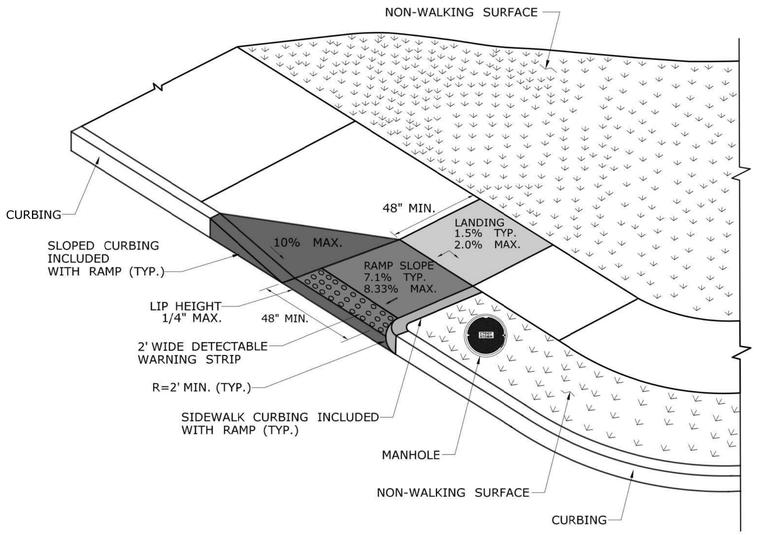
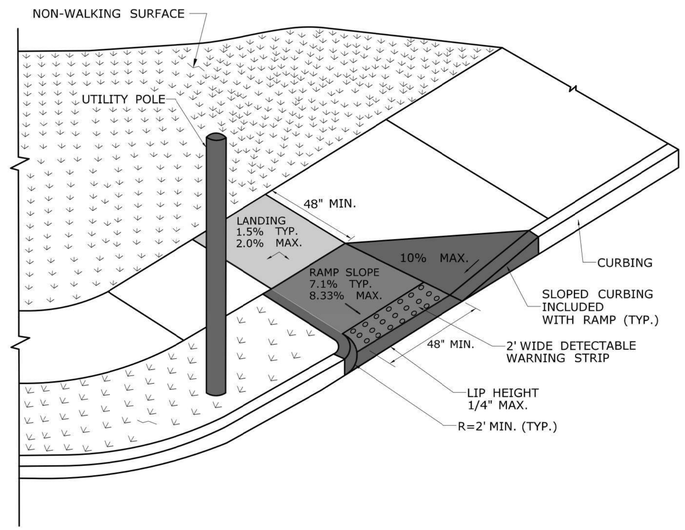
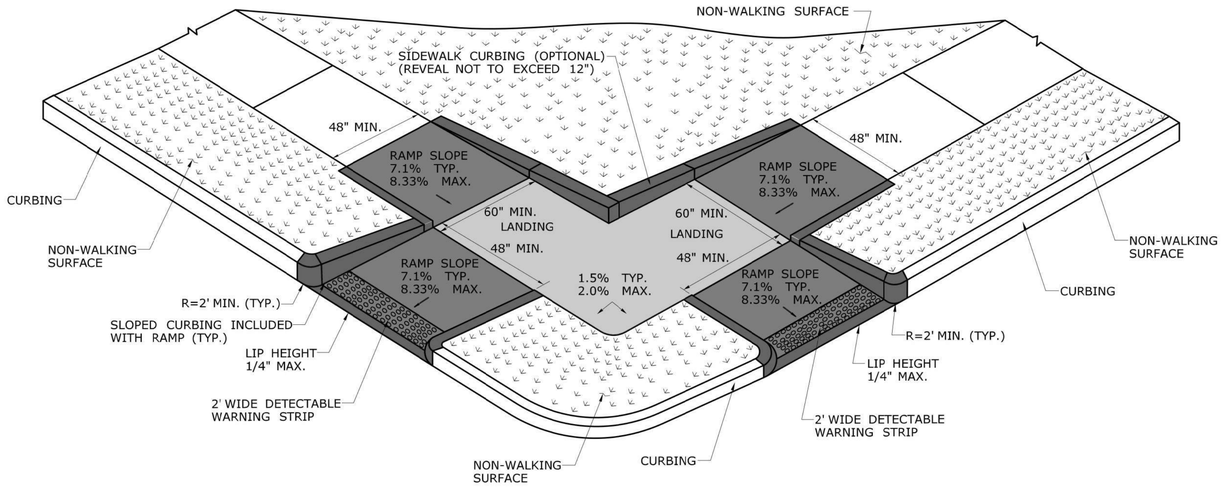


PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 18 LEFT)



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 18 RIGHT)



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 19)

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SIDEWALK RAMP GUIDE SHEETS

Sheet No.
GD-08

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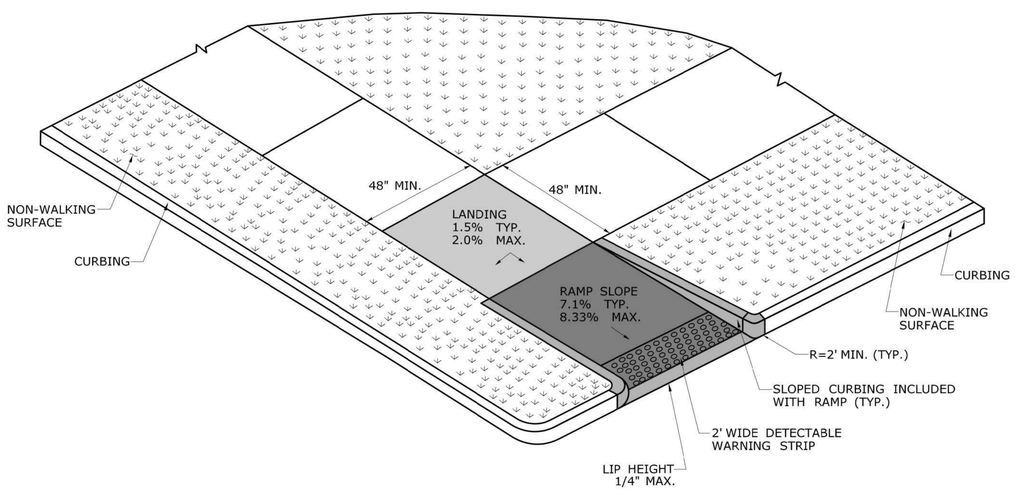
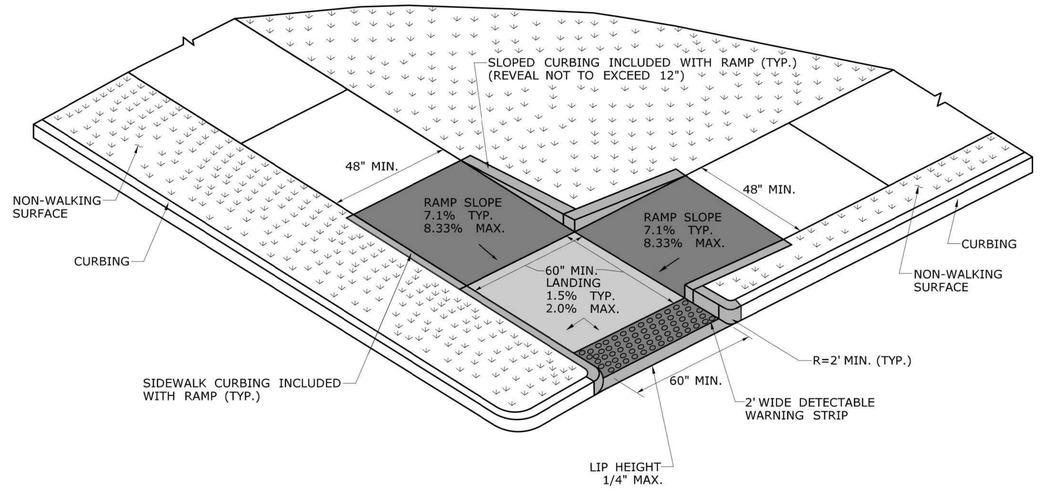


RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP WITH NON-WALKING SURFACE (TYPE 20)



RESTRICTED PEDESTRIAN CROSSING WITH LANDING AT BOTTOM AND NON-WALKING SURFACE (TYPE 21)

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SIDEWALK RAMP GUIDE SHEETS

Sheet No.

GD-09

Xref (s): : B0200035302

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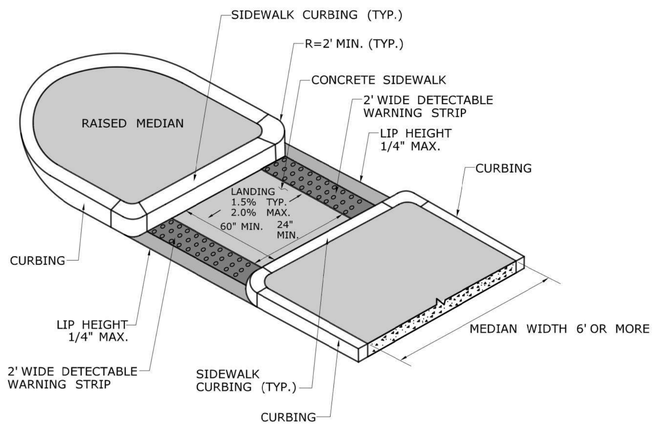
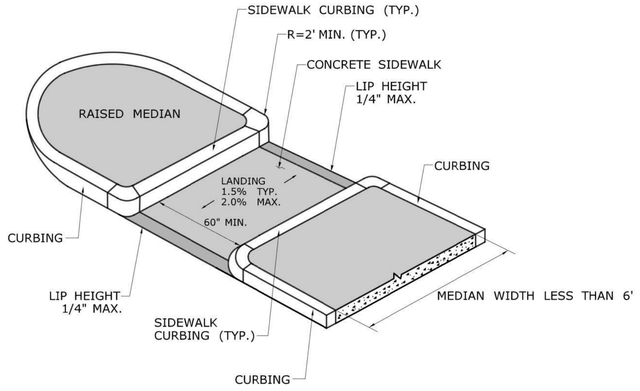
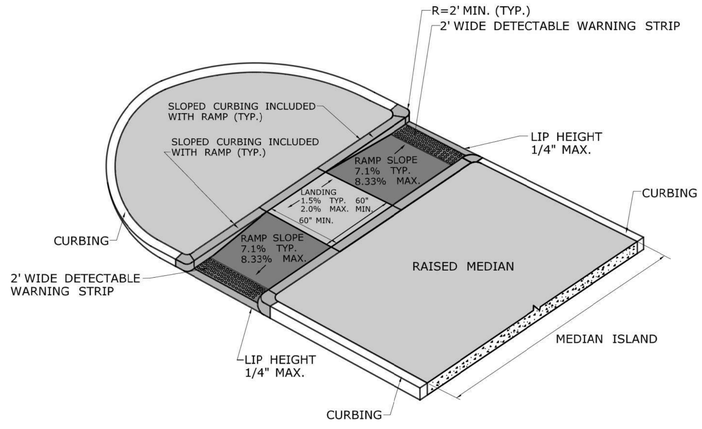


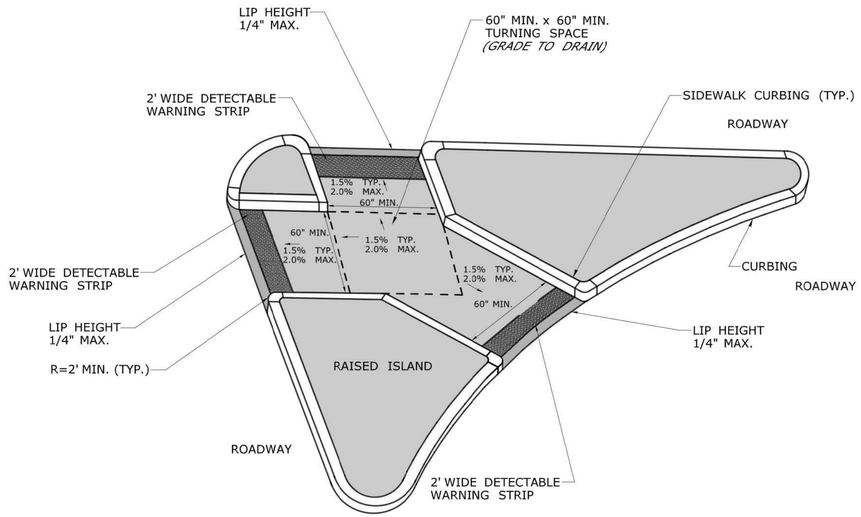
CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH 6' OR MORE
(TYPE 22)



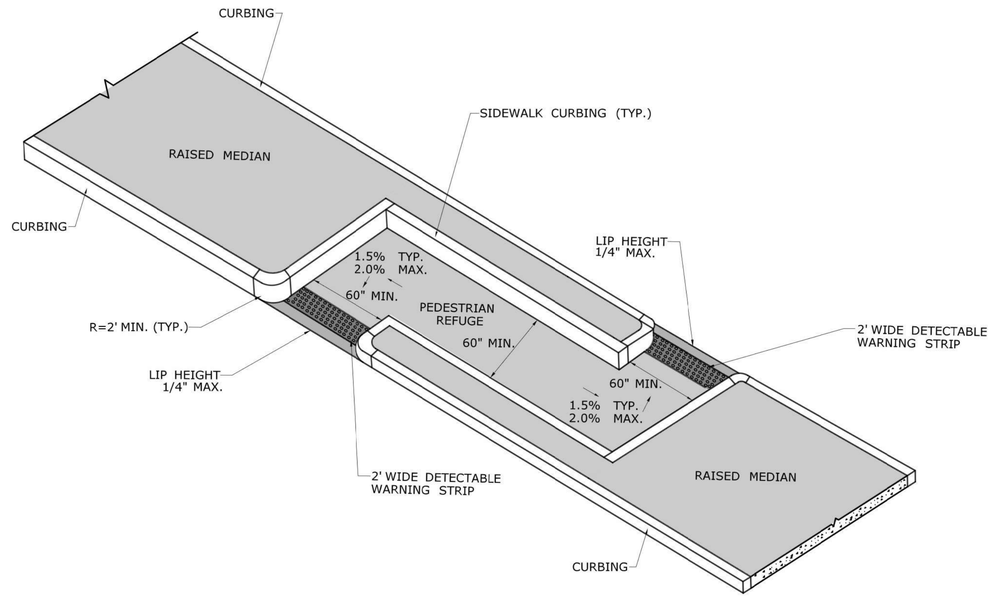
CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH LESS THAN 6'
(TYPE 23)



PEDESTRIAN REFUGE ISLAND WITH LANDING AND RAMPS
(TYPE 24)



CUT-THROUGH PEDESTRIAN REFUGE ISLAND
(TYPE 25)



CUT-THROUGH PEDESTRIAN REFUGE ISLAND
OFFSET CONFIGURATION
(TYPE 26)

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Title
SIDEWALK RAMP GUIDE SHEETS

Sheet No.
GD-10

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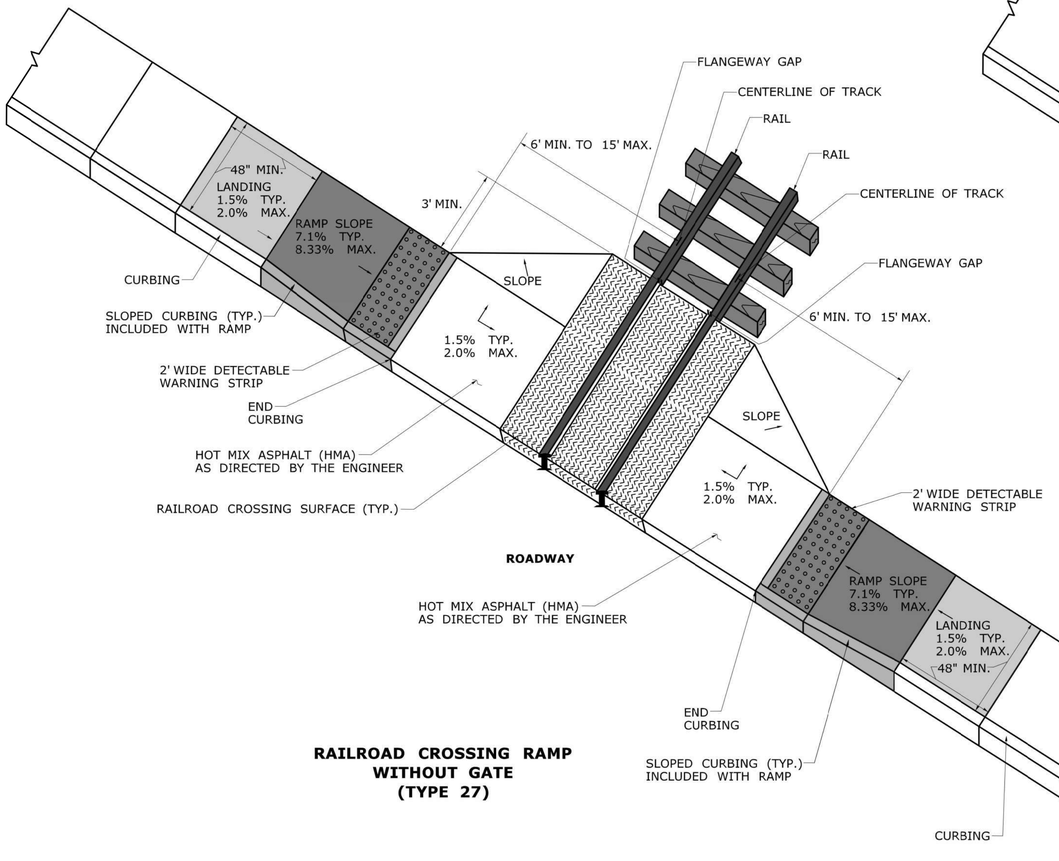
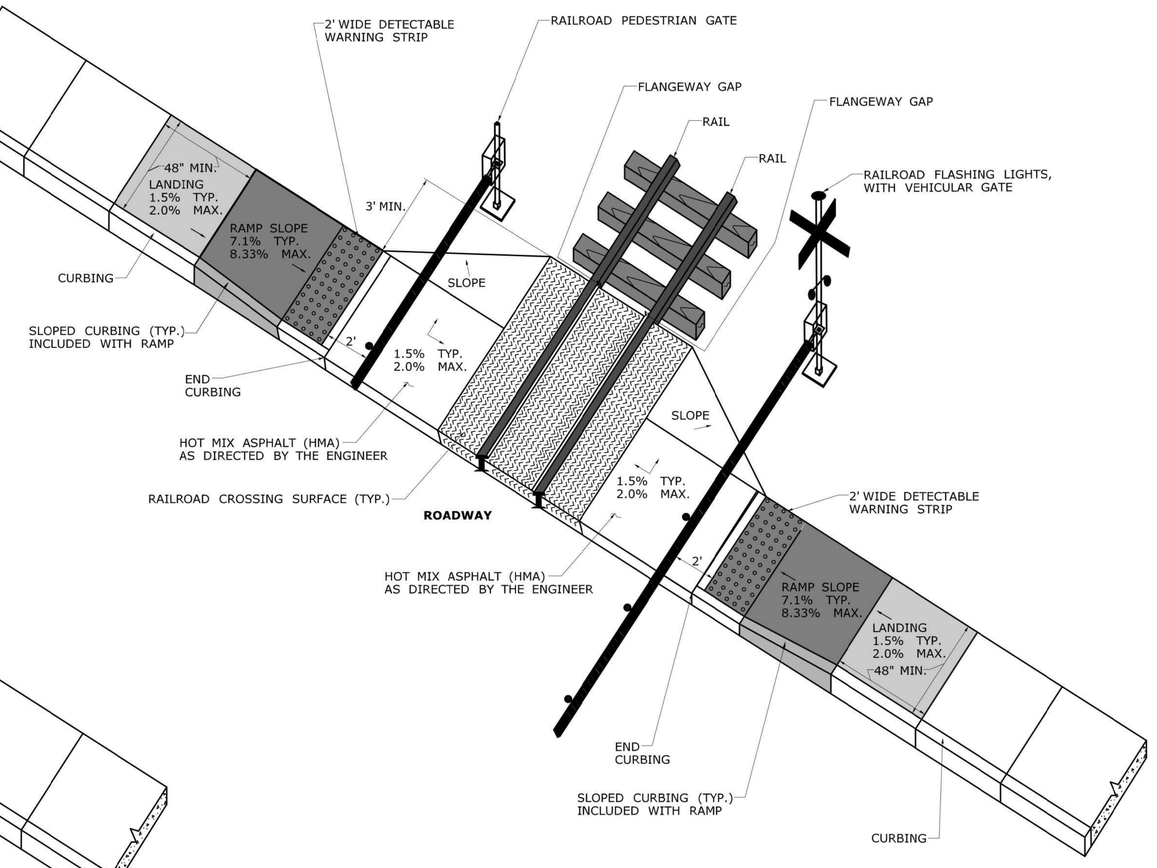
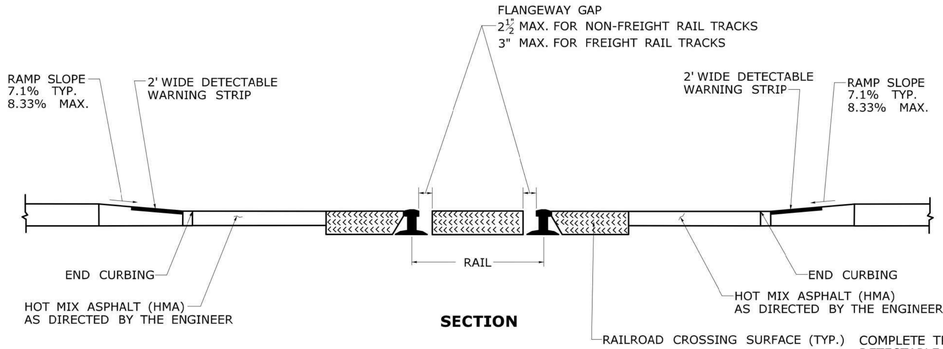


RAILROAD CROSSING RAMP WITHOUT GATE (TYPE 27)



RAILROAD CROSSING RAMP WITH GATE (TYPE 28)



SECTION

RAILROAD CROSSING SURFACE (TYP.) COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.

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Title

SIDEWALK RAMP GUIDE SHEETS

Sheet No.

GD-11

Xref (s): : BD200035302

R1 - SERIES

R1-1

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.85	18	31-0532	1	.080
5.19	30	31-0552	1	.080
7.98	36	31-0553	1	.080
13.3	48	31-0557	2	.100

R1-2

LEGEND - RED
BACKGROUND -WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.97	18	31-0520	1	.080
3.90	36	31-0523	1	.080
6.77	48	31-0522	2	.100
10.83	60	31-0528	2	.100

R1-3P

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	31-0508		.080

R2 - SERIES

R2-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-5505	1	.080
7.50	30X36	31-5504	1	.080
12.00	36X48	31-5506	2	.100
20.00	48X60	31-5507	2	.100

R2-4a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32	48X96	31-5510	2	.125

R3 - SERIES

R3-1

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1604	1	.080
9.00	36X36	31-1627	2	.080

R3-2

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1603	1	.080
9.00	36X36	31-1629	2	.080

R3-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1648	1	.080
9.00	36X36	31-1647	2	.080

R3-4

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1622	1	.080
9.00	36X36	31-1632	2	.080

R3-5

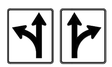
31-0183 31-0184

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-6

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0175	1	.080

R3-6



31-0157 31-0158

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0117	1	.080
9.00	36X36	31-0120	2	.080

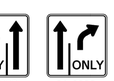
R3-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0118	1	.080
9.00	36X36	31-0123	2	.080

R3-8

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	31-0290	1	.080

R3-8



31-0222 31-0223

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

R3-8

31-0262 31-0261

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

R3-8

31-0282 31-0283

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

R3-8

31-0295 31-0219

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

R3-8

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0279	2	.100

R3-8

31-0370 31-0371

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30		2	.100

R3-8b

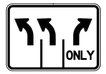
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30	31-0302	2	.100

R3-8b

31-0307 31-0372

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30		2	.100

R3-8b



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0334	2	.100

R3-8b

31-0371

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30		2	.100

R4 - SERIES

R4-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1502	1	.080

R4-16

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1574	2	.100

R4-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1562	1	.080
20.00	48X60	31-1564	2	.100

R4-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1526	1	.080
12.00	36X48	31-1536	2	.100
20.00	48X60	31-1546	2	.100

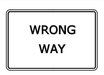
R5 - SERIES

R5-1

LEGEND - WHITE
BACKGROUND - WHITE
CIRCLE - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-1119	1	.080
9.00	36X36	31-1120	2	.080
16.00	48X48	31-1121	2	.100

R5-1a



LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	36X24	31-1122	2	.080
8.75	42X30	31-1123	2	.100

R5-10a(CT)

LEGEND - BLACK
TOP SECTION BACKGROUND - YELLOW
BOTTON SECTION BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	60X78	31-1719	2	.125

R5-10c

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	31-1774	1	.080

R5-10a(CT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-1775	2	.100

R5-11

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-1790	1	.080
20.00	48X36	31-1792	2	.100

R6 - SERIES

R6-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1188	1	.080
6.75	54X18	31-1189	2	.100

R6-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1177	1	.080
6.75	54X18	31-1178	2	.100

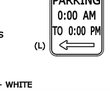
R7 - SERIES

R7-1

LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0630	1	.080

R7-2a



LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0603	1	.080

R8 - SERIES

R8-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	48X36	31-0670	2	.100

R9 - SERIES

R9-3

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	31-1705	1	.080
4.00	24x24	31-1769	1	.080
6.25	30x30	31-1770	1	.080

R9-3a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-1702	1	.080

R10 - SERIES

R10-6

31-0801

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	24X36		1	.080

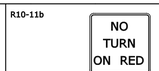
R10-6

31-0802

R10-7

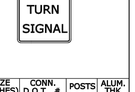
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0806	1	.080

R10-11b



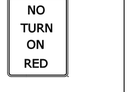
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-0816	2	.080

R10-10L



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0852	1	.080

R10-11a



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0830	1	.080
12.00	36X48	31-0819	2	.100

R10-11c(CT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0847	1	.080

R11 - SERIES

R11-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1915	1	.080
20.00	48X60	31-1918	2	.100

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.00	4X48	31-5003	1	.080
2.00	4X72	31-5004	1	.080

NOTES:

1. THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R- SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
2. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
3. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
4. POSTS SHALL BE 4 LBS./FT.
5. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
6. FOR OVERHEAD MOUNTED SIGNS, SEE STANDARD SHEET TR-1114_01 - "BONDING AND UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAIL."

COLORS:

BACKGROUND - WHITE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

BL Companies
ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

100 Constitution Plaza, 10th Floor
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(860) 249-2200
(860) 249-2400 Fax

HOPMEADOW STREET CONNECTIVITY PROJECT
HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	AS NOTED
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File: GD200035301	

Title
SIGN FACE SHEET ALUMINUM GUIDE SIGNS

Sheet No.
GD-12

Xref (s): : BD200035302

Plot: Oct 04, 2022 - 4:06pm CMartinsons G:\JOBS\20\02\2000353\DWG\GD2000353301.dwg
Layout: GD-12 24x36 NTS

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S - SERIES

S1-1

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	36	41-2112	1	.080
12.00	48	41-2113	2	.100

W1 - SERIES

W1-1L

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4006	1	.080
9.00	36	41-4031	1	.080

W1-1R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4005	1	.080
9.00	36	41-4160	1	.080

W1-6

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW
(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4223	2	.100
12.50	60X30	41-4262	2	.100

W1-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4029	1	.080
9.00	36	41-4169	1	.080

W1-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4168	1	.080
9.00	36	41-4032	1	.080

W1-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4207	2	.100
12.50	60X30	41-4208	2	.100

W1-8

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW
(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	41-3951	1	.080
7.50	30X36	41-4211	1	.080
12.00	36X48	41-4260	2	.080

W2 - SERIES

W2-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4226	1	.080
9.00	36	41-4236	1	.080

W2-2

(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4225	1	.080
9.00	36	41-4235	1	.080

W3 - SERIES

W3-1

OCTAGON - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0501	1	.080
16.00	48	41-0503	2	.100

W3-2

TRIANGLE - RED & WHITE

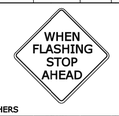
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0504	1	.080
16.00	48	41-0506	2	.100

W3-3

SYMBOL & LEGEND - BLACK
BACKGROUND - YELLOW
TOP CIRCLE - RED
BOTTOM CIRCLE - GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0835	1	.080
16.00	48	41-0848	2	.100

WHEN FLASHING STOP AHEAD



W/ FLASHERS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
25.00	60	41-0534	2	.125

W4 - SERIES

W4-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4448	1	.080
16.00	48	41-4452	2	.100

W4-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4449	1	.080
16.00	48	41-4459	2	.100

W4-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4442	1	.080
16.00	48	41-4446	2	.100

W4-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4441	1	.080
16.00	48	41-4447	2	.100

W4-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4468	1	.080
16.00	48	41-4435	2	.100

W4-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4470	1	.080
16.00	48	41-4434	2	.100

W5 - SERIES

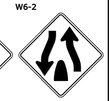
W5-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4402	1	.080
16.00	48	41-4404	2	.100

W6 - SERIES

W6-1

W6-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4335	1	.080
16.00	48	41-4330	2	.100

W6-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4329	1	.080
16.00	48	41-4331	2	.100

W7 - SERIES

W7-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4506	1	.080
9.00	36	41-4530	1	.080
16.00	48	41-4508	2	.100

W8 - SERIES

W8-5

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4519	1	.080
9.00	36	41-4520	1	.080
16.00	48	41-4521	2	.100

W9 - SERIES

W9-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4443	1	.080
16.00	48	41-4444	2	.100

W9-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4440	1	.080
16.00	48	41-4445	2	.100

W9-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4454	1	.080
16.00	48	41-4456	2	.100

W9-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4453	1	.080
16.00	48	41-4455	2	.100

W11 - SERIES

W11-2

LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4829	1	.080
9.00	36	41-4830	1	.080

W11-8

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4680	1	.080
9.00	36	41-4681	1	.080

W12 - SERIES

W12-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4213	1	.080
9.00	36	41-4215	1	.080

W12-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4706	1	.080
16.00	48	41-4708	2	.100

LEFT LANE

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	41-4721		.080

RIGHT LANE

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	41-4722		.080

W13 - SERIES

W13-1P

(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	41-5566		.080
4.00	24X24	41-5567		.080
6.25	30X30	41-5574		.080

W13-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	36X48	41-5596	2	.100

W13-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	36X48	41-5581	2	.100

W16 - SERIES

W16-2aP

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6140		.080

W16-7PL

(SUBPLATE)
USE AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2617		.080

W16-7PR

(SUBPLATE)
USE AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

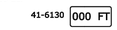
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2619		.080

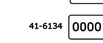
W16-9P

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6126		.080
3.75	30X18	41-6137		.080

W16-2aP

41-6130 

41-6134 

(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6130		.080
3.75	30X18	41-6134		.080

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	4X72	41-5010	1	.080

LEGEND - N/A
BACKGROUND - FLUORESCENT YELLOW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	4X48	41-5001	1	.080
2.00	4X72	41-5006	1	.080

NOTES:

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING.
   FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS".
   SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS SHALL BE 4 LBS./FT.
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM.
   SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
5. FLUORESCENT YELLOW RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR W1-6 AND W1-8 SIGNS.
   FLUORESCENT YELLOW GREEN RETROREFLECTIVE STRIPS SHALL BE INSTALLED ON ALL SIGN POSTS FOR S1-1 AND W11-2 SIGNS LOCATED AT CROSSINGS. RETROREFLECTIVE STRIPS SHOULD NOT BE INSTALLED ON ADVANCE CROSSING WARNING SIGNS.
   SEE STANDARD SHEET TR-1208_01 "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS" FOR RETROREFLECTIVE STRIP DETAILS AND INSTALLATION.

COLORS:

BACKGROUND - YELLOW - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

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HOPMEADOW STREET CONNECTIVITY PROJECT
HOPMEADOW STREET
SIMSBURY, CONNECTICUT

REVISIONS

No.	Date	Desc.

Surveyed	
Drawn	C.L.M.
Reviewed	K.P.R.
Scale	AS NOTED
Project No.	2000353
Date	02/10/2022
Field Book	
CAD File: GD2000353O1	

Title
SIGN FACE SHEET ALUMINUM GUIDE SIGNS

Sheet No.
GD-13

Xref (s): : BD2000353O2

Feb 04, 2022 - 4:06pm CMartirano G:\JOBS20\20\2000353\DWG\GD2000353O1.dwg
Layout: GD-13 24x36 NTS

D1 - SERIES

D1-1 — 51-5202 — Variable →

D1-2 — 51-5203 — Variable / Variable →

VARIABLE LEGEND & ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	60X12	51-5202	2	.100
10.00	60X24	51-5203	2	.100

D3 - SERIES

D3-1 — Variable Road Name

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	48X18	51-2004	2	.100
7.50	60X18	51-2001	2	.100
9.00	72X18	51-2002	2	.125
10.50	84X18	51-2003	2	.125

D4 - SERIES

D4-2 — PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6006	1	.080
7.50	30X36	51-6007	1	.080

D4-2 — EXIT 000 — PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2082	3	.125

D4-2 — PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6033	1	.080
7.50	30X36	51-6034	1	.080

D4-2 — EXIT 000 — PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2095	3	.125

D4-2 — PARK - RIDE →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6044	1	.080
7.50	30X36	51-6045	1	.080

D4-2 — EXIT 000 — PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2097	3	.125

D4-2 — EXIT 000 — PARK - RIDE

VARIABLE EXIT NUMBER

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
38.50	84X66	51-2099	3	.125

D5 - SERIES

D5-2b — REST AREA →

LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
42.25	78X78	51-6901	2	.125

SERVICE PLAZA →

LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
39.00	72X78	51-6158	2	.125

D7 - SERIES

D-7 — 51-6802 — Variable →

51-6803 — Variable / Variable →

W or W/O ARROW
VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.17	60X12	51-6802	2	.100
8.33	60X24	51-6803	2	.100

D9 - SERIES

D9-2 — H

** FOR ARROW SUBPLATES USE M5 & M6 SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6788	1	.080

51-6705 DIESEL →
51-6706 FOOD →
51-6708 GAS →
51-6709 LODGING →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	36X9		2	.080

51-5405 STATE POLICE →
51-6714 CAMPING →
51-6960 INFO →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	36X9		2	.080

D10 - SERIES

D10-4 — NORTH / 95 / MILE / 000

CARDINAL DIRECTION, SHIELD AND NUMERALS ARE VARIABLE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	18X54	51-5307	1	.080

RECREATIONAL RS- SERIES

RS-054

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6873	1	.080

RS-117

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-7872	1	.080

51-2705 ↑ — 51-2706 L or R →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.19	21X15	51-2705		.080
2.19	21X15	51-2706		.080

E5 - SERIES

E5-1a — EXIT →

FOR USE AT "NO NUMBERED" EXITS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
30.00	72X60	51-6150	2	.125

E5-1a — EXIT 00 ↖ — 51-6124 — EXIT 00 ↗ — 51-6125

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	78X60		2	.125

E5-1a — EXIT 00 B ↖ — 51-6126 — EXIT 00 B ↗ — 51-6127

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
45.00	108X60		2	.125

E5-1a — EXIT 00 A-B ↖ — 51-6128 — EXIT 00 A-B ↗ — 51-6129

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
57.50	138X60		2	.125

I - SERIES

I-3 — (Variable) River

VARIABLE: RIVER, BROOK, CREEK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	18X12	51-2009	1	.080
4.50	36X18	51-2007	2	.080
12.00	48X36	51-2051	2	.100

(Town Name) (INCORPORATED OR SETTLED) (DATE) TOWN LINE

VARIABLE: TOWN / CITY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	40X27	51-2020	2	.080

I-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-1448	1	.080
6.25	30X30	51-1445	1	.080

PARKING AREA PATROLLED

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	51-5937	2	.080

INCIDENT MANAGEMENT

N 0 0 .0 — N 0 0 0 .0 — N 0 0 0 0 .0

CARDINAL DIRECTION VARIABLE - N, S, E, W

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	12X36	51-5103	1	.080
4.00	12X48	51-5104	1	.080
5.00	12X60	51-5105	1	.080

SYMBOL - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	51-5943	1	.080

51-6504 Variable →
51-6505 Variable / Variable →

TO BE SUBMOUNTED W/ 51-5943
LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	51-6504		.080
1.50	18X12	51-6505		.080

M1 - SERIES

M1-1 — INTERSTATE CONNECTICUT 00 — 51-6662 / 51-6666 VARIABLE: 1 or 2 DIGITS
INTERSTATE CONNECTICUT 000 — 51-6663 / 51-6667 VARIABLE: 3 DIGITS

LEGEND - WHITE
BACKGROUND - RED & BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.	COLOR	ALUM. THK.
3.20	24X24	51-6662	1	.080		
3.99	30X24	51-6663	1	.080	2.19 21X15	51-6640 (1) .080
7.20	36X36	51-6666	2	.080	2.19 21X15	51-6610 (2) .080
8.99	45X36	51-6667	2	.100		

M1-4 — 00 — 51-6615 / 51-6635 VARIABLE: 1 or 2 DIGITS
000 — 51-6644 / 51-6645 VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6615	1	.080
5.00	30X24	51-6644	1	.080
9.00	36X36	51-6635	2	.080
11.25	45X36	51-6645	2	.100

M1-5 — 00 — 51-6616 / 51-6636 VARIABLE: 1 or 2 DIGITS
000 — 51-6647 / 51-6646 VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6616	1	.080
5.00	30X24	51-6647	1	.080
9.00	36X36	51-6636	2	.080
11.25	45X36	51-6646	2	.100

M2 - SERIES

M2-1 — JCT

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6651	(1)	.080
2.00	24X12	51-6611	(2)	.080
4.50	36X18	51-6655	(1)	.080
4.50	36X18	51-6625	(2)	.080

M3 - SERIES

M3-1 — NORTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6651	(1)	.080
2.00	24X12	51-6611	(2)	.080
4.50	36X18	51-6655	(1)	.080
4.50	36X18	51-6625	(2)	.080

M3-4 — WEST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6654	(1)	.080
2.00	24X12	51-6614	(2)	.080
4.50	36X18	51-6658	(1)	.080
4.50	36X18	51-6628	(2)	.080

M3-2 — EAST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6652	(1)	.080
2.00	24X12	51-6612	(2)	.080
4.50	36X18	51-6656	(1)	.080
4.50	36X18	51-6626	(2)	.080

M3-3 — SOUTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6653	(1)	.080
2.00	24X12	51-6613	(2)	.080
4.50	36X18	51-6657	(1)	.080
4.50	36X18	51-6627	(2)	.080

M4 - SERIES

M4-5 — TO

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6650	(1)	.080
2.00	24X12	51-6620	(2)	.080

M5 - SERIES

M5-1 — 51-2690 ← / 51-2630 — 51-2691 → / 51-2631

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2690	(1)	.080
2.19	21X15	51-2691	(1)	.080
2.19	21X15	51-2630	(2)	.080
2.19	21X15	51-2631	(2)	.080

M5-2 — 51-2692 ↖ / 51-2632 — 51-2693 ↗ / 51-2633

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2692	(1)	.080
2.19	21X15	51-2693	(1)	.080
2.19	21X15	51-2632	(2)	.080
2.19	21X15	51-2633	(2)	.080

M6 - SERIES

M6-1 — → L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2686	(1)	.080
2.19	21X15	51-2626	(2)	.080

M6-4 — ↔

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2697	(1)	.080
2.19	21X15	51-2627	(2)	.080

M6-2 — 51-2688 51-2629 ↖ — 51-2689 51-2628 51-2609 ↗

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2688	(1)	.080
2.19	21X15	51-2689	(1)	.080
2.19	21X15	51-2628	(2)	.080
2.19	21X15	51-2629	(2)	.080
4.38	30X21	51-2609	(2)	.080

M6-3 — ↑

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2685	(1)	.080
2.19	21X15	51-2625	(2)	.080

NOTES:

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2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS SHALL BE 4 LBS./FT.
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

D - SERIES
D1, 2, 3, 4, 10 BACKGROUND-GREEN, LEGEND-WHITE
D7, RS BACKGROUND-BROWN, LEGEND-WHITE
D9 BACKGROUND-BLUE, LEGEND-WHITE
ALL OTHER D-SERIES AS NOTED

E - SERIES
BACKGROUND-GREEN, LEGEND-WHITE

I - SERIES
BACKGROUND-GREEN, LEGEND-WHITE
(EXCEPT AS NOTED)

M2 - M6 SERIES
(1) BACKGROUND-BLUE, LEGEND-WHITE
(2) BACKGROUND-WHITE, LEGEND-BLACK

ALL COLORS SHALL BE TYPE IX RETROREFLECTIVE WITH THE EXCEPTION OF BROWN WHICH SHALL BE TYPE IV RETROREFLECTIVE AND BLACK WHICH SHALL BE OPAQUE.

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REVISIONS
No. Date Desc.

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Drawn C.L.M.
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Scale AS NOTED
Project No. 2000353
Date 02/10/2022
Field Book
CAD File: GD200035301

Title
SIGN FACE SHEET ALUMINUM GUIDE SHEETS

Sheet No.
GD-14

Xref (s): : BD200035302

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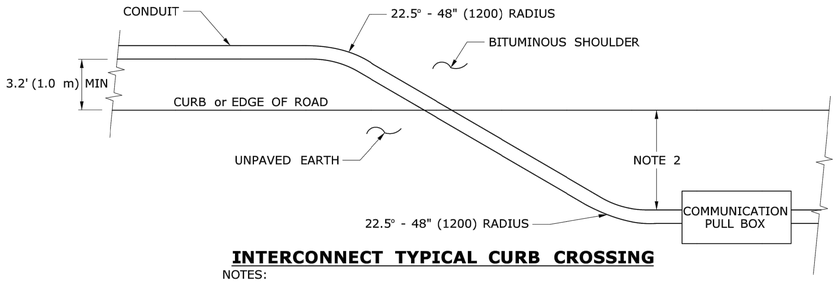
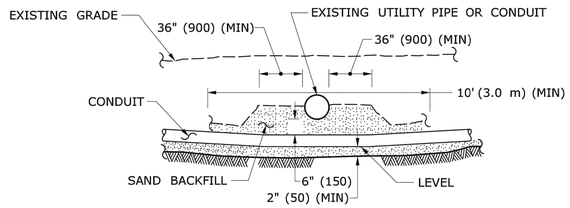
Layout: GD-14 24x36 NTS



INTERCONNECT TYPICAL CURB CROSSING

NOTES:

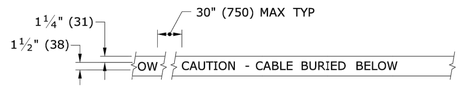
1. RESTORE AREAS DISTURBED BY TRENCH TO ORIGINAL CONDITION.
2. INSTALL PULL BOX A MINIMUM OF 10' (3.0 m) FROM CURB UNLESS OTHERWISE SHOWN ON PLANS OR DIRECTED BY ENGINEER.



CROSSING UNDER EXISTING UTILITY

NOTES:

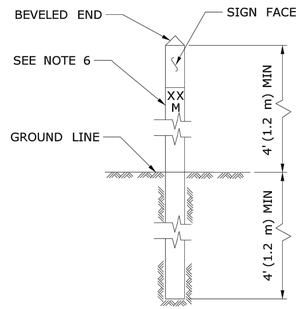
1. WHEN ENCOUNTERED AT APPROXIMATELY THE SAME DEPTH, CROSS BENEATH.
2. PROTECT & SUPPORT EXPOSED EXISTING UTILITY.



DETECTABLE WARNING TAPE

NOTE:
STANDARD SPECIFICATIONS, ARTICLE: 1.05.15

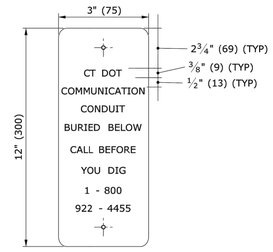
1. TAPE COLORS:
   COMMUNICATION - ORANGE BACKGROUND / BLACK LEGEND
   POWER - RED BACKGROUND / BLACK LEGEND



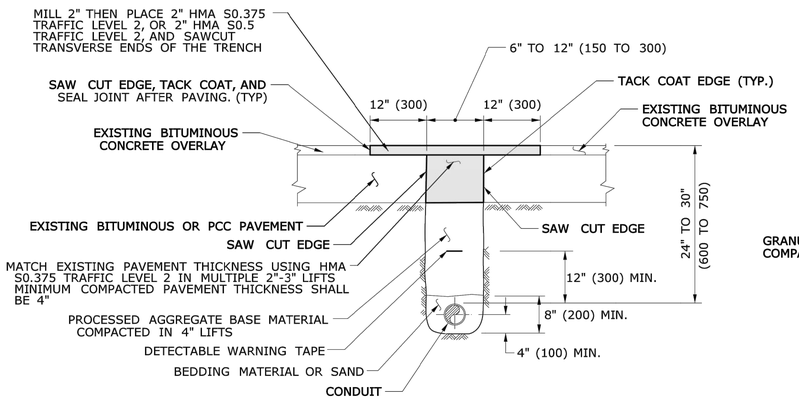
INTERCONNECT CONDUIT IDENTIFICATION POST

NOTES:

1. 4" x 4" (100 x 100) NOMINAL, PRESSURE TREATED WOOD POST.
2. ATTACH SIGN TO POST WITH ¼" x 1¼" (6 x 31) STAINLESS STEEL LAG SCREW WITH NYLON WASHER ON FACE OF SIGN.
3. SIGN COLORS: BACKGROUND - ORANGE (RETROREFLECTIVE) LEGEND - BLACK (OPAQUE).
4. INSTALL POST APPROX 24" (600) FROM RMC IN VICINITY OF EACH PULL BOX.
5. INSTALL POSTS BETWEEN PULL BOXES, APPROX 10' (3.0 m) OFF CURB. SPACE POSTS 1500'± (460 m±) APART.
6. PERMANENTLY ATTACH STAINLESS STEEL NUMBERS INDICATING DISTANCE TO TRENCH IN FEET (METERS) CONTAINING COMMUNICATION CABLE. ATTACH NUMBERS TO SIDE OF POST FACING CONDUIT. INCLUDE "M" SUFFIX IF METERS.



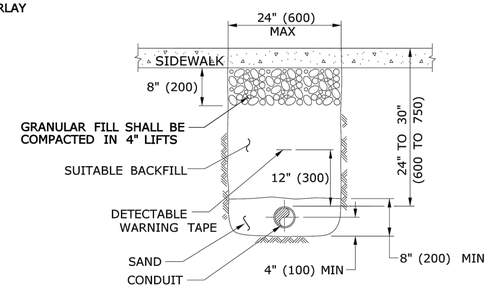
SIGN FACE DETAIL
SIGN # 41-4669



PAVEMENT - BITUMINOUS CONCRETE OR OVERLAYED PORTLAND CEMENT CONCRETE

NOTES:
STANDARD SPECIFICATION, ARTICLE 3.04 AND SPECIAL PROVISION, SECTION 4.06.03

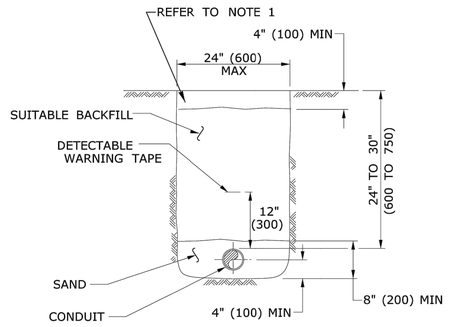
1. TOTAL HOT MIX ASPHALT (HMA) THICKNESS TO MATCH EXISTING BITUMINOUS CONCRETE AND PORTLAND CEMENT CONCRETE (PCC) THICKNESS.
2. WHEN ALLOWED BY ENGINEER, USE CONTROLLED LOW STRENGTH MATERIAL (CLSM) AS BEDDING MATERIAL. TOP OF CLSM AT LEAST 20" (500) BELOW SURFACE.



SIDEWALK

NOTES:
STANDARD SPECIFICATIONS, ARTICLE: 9.21 & 9.22

1. WHERE CONCRETE SIDEWALK DAMAGED OR CUT, REPLACE THE ENTIRE SECTION BETWEEN JOINTS. REPLACEMENT SIDEWALK IS PAID FOR AT THE CONTRACT UNIT PRICE FOR "CONCRETE SIDEWALK".



EARTH

NOTES:
STANDARD SPECIFICATIONS, ARTICLE: 9.50

1. IN MOWED AREAS: PLACE TOPSOIL, FERTILIZER, SEED, & MULCH.

GENERAL NOTES:

1. TOP OF CONDUIT NO LESS THAN 24" (600) DEEP.
2. COMPACT BACKFILL IN ≤6" (150) LIFTS. HAND COMPACTION NOT PERMITTED.

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:
—·— RMC (RIGID METAL CONDUIT)

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Feb 04, 2022 - 4:13pm Gtsotrinos G:\JOBS\01\02\2000353\DWG\GD2000353301.dwg
Layout: GD-15 24x36 NTS

BL Companies
ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

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HOPMEADOW STREET CONNECTIVITY PROJECT
HOPMEADOW STREET
SIMSBURY, CONNECTICUT

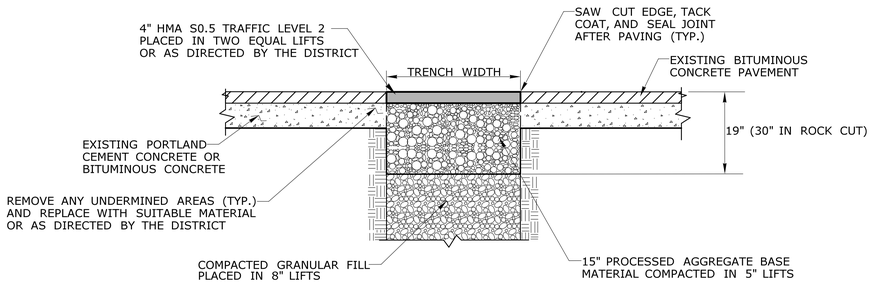
REVISIONS
No. Date Desc.

Surveyed
Drawn C.L.M.
Reviewed K.P.R.
Scale AS NOTED
Project No. 2000353
Date 02/10/2022
Field Book
CAD File: GD2000353301

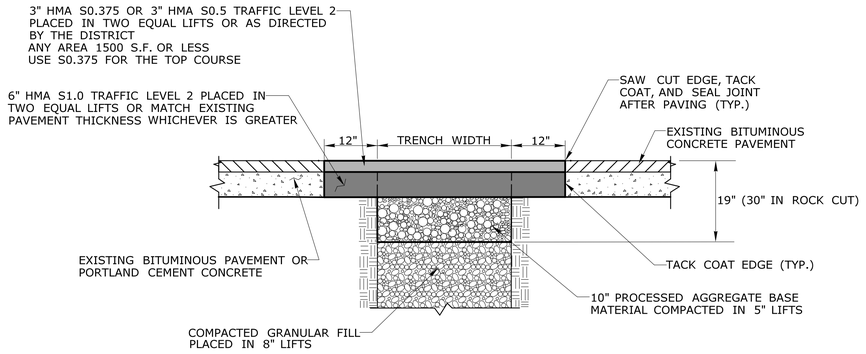
Title
TRENCHING & BACKFILLING, ELECTRICAL CONDUIT

Sheet No.
GD-15

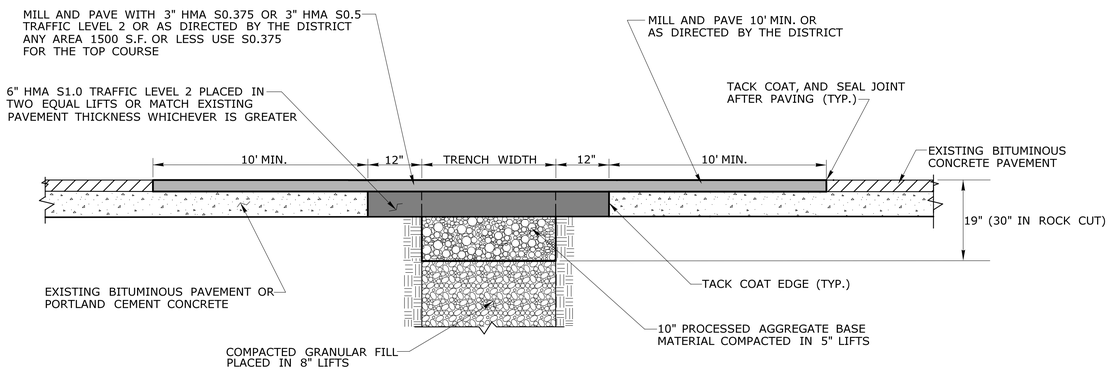
Xref (s): : B02000353302



TEMPORARY PAVEMENT REPAIR FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PAVEMENT



PERMANENT PAVEMENT REPAIR WITHOUT MILLING - THROUGH PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PAVEMENT



PERMANENT PAVEMENT REPAIR WITH MILLING

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:

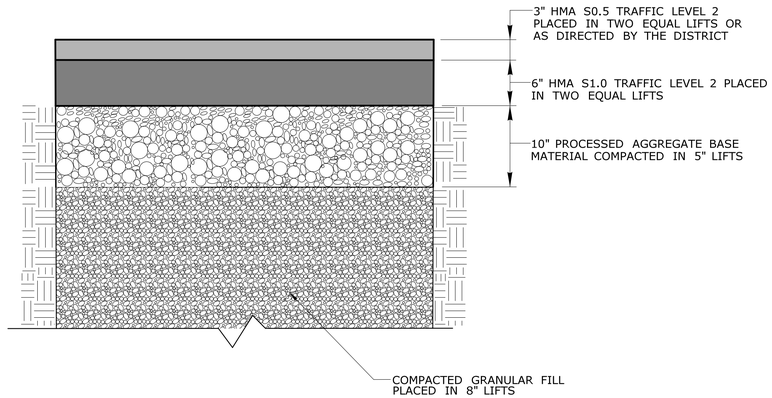
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:

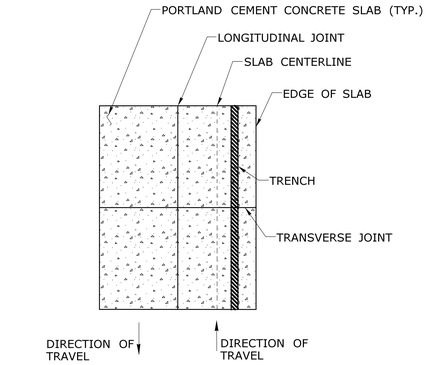
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

   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:

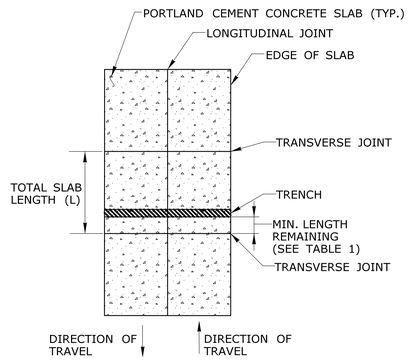
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



ROADWAY PROFILE



LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT
(SEE NOTE 1)



TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT
(SEE NOTE 2)

DRAFTER: MS CHECKED BY: EL NO SCALE	HIGHWAY OPERATIONS	OFFICE OF MAINTENANCE OPERATIONS SPECIAL SERVICES AND PLANNING	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	DRAWING TITLE: ENCROACHMENT PERMIT - PAVEMENT REPAIR

***ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #**

****REVISED OR ADDED**

✓*	SHEET NO.	TITLE	APPROVAL DATE**
✓	HW-286_01	DRAINAGE TRENCH EXCAVATION	7-15-20
	HW-506_01	ENDWALLS, SLOPE PAVED INLETS AND OUTLETS	1-26-12
	HW-506_02	TYPE "D-G" & "L" ENDWALLS	7-13-12
	HW-506_03	ENDWALLS FOR PIPE - ARCH	9-18-09
✓	HW-586_01	CATCH BASIN AND DROP INLET TYPES "C" AND "C-L"	7-15-20
	HW-586_02	CATCH BASIN TOPS (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE I	7-15-20
	HW-586_03	CATCH BASIN TOPS (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE II	7-15-20
	HW-586_04	PRECAST CATCH BASIN AND ROUND STRUCTURE	7-15-20
	HW-586_05	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE I	7-15-20
	HW-586_06	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE II	7-15-20
✓	HW-586_07	CATCH BASIN TOPS TYPE "C" AND "C-L"	7-15-20
✓	HW-586_08	CATCH BASIN FRAMES AND GRATES	7-15-20
	HW-586_09	CATCH BASIN LOCK DOWN TOPS	7-15-20
✓	HW-586_10a	MANHOLE FRAME AND COVER	7-15-20
	HW-586_10b	MANHOLE FRAME AND GRATE	7-15-20
	HW-586_10c	REINFORCED PRECAST CONCRETE MANHOLE	7-15-20
	HW-586_10d	MANHOLE NON-PRECAST CONCRETE UNIT	7-15-20
	HW-686_01	C.C.M. PIPE INSTALLATION	7-15-20
	HW-686_02	PIPE ENDS	7-15-20
	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	7-12-12
	HW-803_01a	PAVED APRONS	6-07-17
	HW-803_01b	PAVED DITCHES AND PAVED CHANNELS	6-07-17
✓	HW-811_01	CONCRETE CURBING	6-07-17
	HW-813_01	GRANITE STONE TRANSITION CURBING	7-24-13
	HW-813_02	STONE CURBING	6-07-17
✓	HW-815_01	BITUMINOUS CONCRETE CURBING	6-07-17
	HW-821_01a	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_01b	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10
	HW-821_01c	TRANSITION - 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	1-26-12
	HW-821_02a	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	1-27-20
	HW-821_02b	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	1-27-20
	HW-821_03a	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-821_03b	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10
	HW-821_03c	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	10-18-10
	HW-821_03d	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 4	10-18-10
	HW-821_03e	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) F-SHAPE	7-24-13
	HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	6-09-11
	HW-821_04b	MERRITT PARKWAY - 2' (610) WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	7-24-13
	HW-821_05a	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_05b	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 2	1-26-12
	HW-821_06	54" (1372) VERTICAL SHAPE BARRIER	2-06-12
	HW-821_07	MISCELLANOUS DETAILS FOR BARRIER TRANSITIONS	7-12-12
	HW-821_08a	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM	1-09-20
	HW-821_08b	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM - REINF.	1-09-20
	HW-821_09a	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM	1-09-20
	HW-821_09b	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM - REINF.	1-09-20
	HW-821_10a	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM	1-09-20
	HW-821_10b	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM - REINF.	1-09-20
	HW-821_11a	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 1	1-27-20
	HW-821_11b	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 2	1-27-20
✓	HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	7-24-13
	HW-905_01	STONE WALL FENCE	1-25-19
	HW-906_01	WIRE FENCE	1-25-19
	HW-910_01	W-BEAM METAL BEAM RAIL HARDWARE	6-09-11
	HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	6-09-11
	HW-910_03	METAL BEAM RAIL (TYPE MD-B 350) GUIDERAIL	6-09-11
	HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	6-09-11
	HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	7-24-13
	HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	6-09-11
✓	HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	1-25-19
	HW-910_08	R-B 350 BRIDGE ATTACHMENT TRAILING END	6-09-11
	HW-910_09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	1-26-12
	HW-910_09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	7-25-12
	HW-910_10	METAL BEAM RAIL 8" (203) X 6" (152) BOX BEAM	7-24-13
	HW-910_11	CURVED GUIDERAIL TREATMENT DETAIL	7-25-12

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

Digitally signed by Michael Fisher
Date: 2022.04.22 14:42:39-04'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:

HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:

1 OF 2

PLOTTED DATE: 7/22/2020

***ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #**

****REVISED OR ADDED**

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910_12a	MERRITT PARKWAY GUIDERAIL LEADING END ATTACHMENTS AND SYSTEMS 2&3	7-24-13
	HW-910_12b	MERRITT PARKWAY GUIDERAIL HARDWARE DETAILS	7-24-13
	HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	7-24-13
	HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	6-09-11
	HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	7-24-13
	HW-910_13b	THRIE-BEAM TRANSITIONS	7-24-13
	HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	6-09-11
	HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	6-09-11
	HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	6-09-11
	HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	6-09-11
	HW-910_17	R-B TERMINAL SECTION	7-24-13
	HW-910_18	METAL BEAM RAIL (TYPE MD-I) GUIDERAIL	10-18-10
	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	7-24-13
	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	7-24-13
	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	7-24-13
	HW-910_20	MASH W-BEAM HARDWARE	1-05-18
	HW-910_21	METAL BEAM RAIL (R-B MASH) GUIDERAIL	1-25-19
	HW-910_22	METAL BEAM RAIL (MD-B MASH) GUIDERAIL	1-05-18
	HW-910_23	METAL BEAM RAIL (R-B MASH) HALF & QUARTER POST SPACING GUIDERAIL	1-05-18
	HW-910_24	METAL BEAM RAIL SPAN SECTION TYPES II AND III	1-05-18
	HW-910_25	METAL BEAM RAIL TRANSITION 350 TO MASH	1-05-18
	HW-910_26	THRIE-BEAM ATTACHMENT HARDWARE	1-09-20
	HW-910_27	THRIE-BEAM ATTACHMENT	1-09-20
✓	HW-911_01	R-B END ANCHORAGE TYPE I AND II	1-25-19
	HW-911_02	MD-B END ANCHORAGE TYPE I	1-05-18
	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	10-18-10
	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	7-24-13
	HW-913_01a	CHAIN LINK FENCE	5-06-19
	HW-913_01b	CHAIN LINK FENCE HARDWARE	5-06-19
	HW-913_02	CHAIN LINK FENCE GATES	5-06-19
	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	7-24-13
	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	1-26-12
	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	7-24-13

✓*	SHEET NO.	TITLE	APPROVAL DATE**
✓	HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS	6-07-17
	HW-949_01a	LANDSCAPE PLANTING	6-15-19
✓	HW-949_01b	TREE STAKING	6-15-19
	HW-1800_01	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)	1-25-19
	HW-1800 02	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (MEDIAN/GORE)	1-25-20

NOT TO SCALE

####

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2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

Digitally signed by Michael Fisher
Date: 2022.04.22 14:41:57-04'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

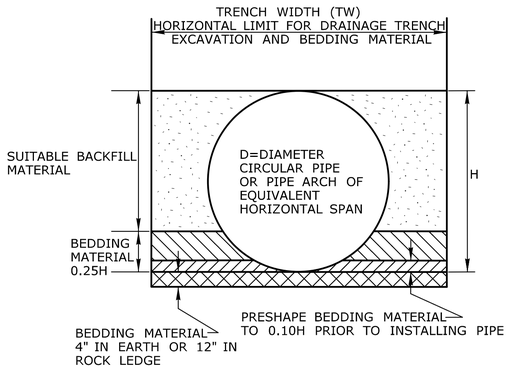
STANDARD SHEET TITLE:

HIGHWAY STANDARD SHEET INDEX

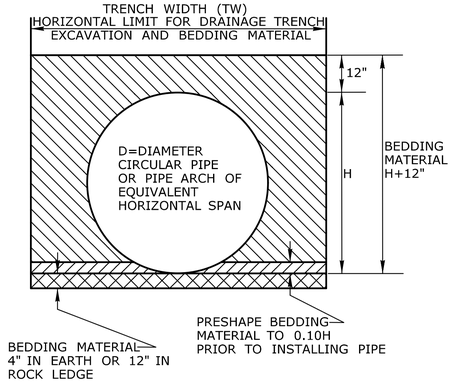
STANDARD SHEET NO.:

2 OF 2

PLOTTED DATE: 7/22/2020



PIPE TRENCH FOR PIPES LESS THAN 48"



PIPE TRENCH FOR PIPES GREATER THAN OR EQUAL TO 48"

TRENCH WIDTH (TW) CHART

PIPE, PIPE-ARCH, OR DRAINAGE STRUCTURE	TRENCH WIDTH
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN LESS THAN 30"	2' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH WITH NOMINAL INSIDE HORIZONTAL SPAN GREATER THAN OR EQUAL TO 30"	3' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
PIPE OR PIPE-ARCH FABRICATED FROM STRUCTURAL PLATES	4' GREATER THAN NOMINAL INSIDE HORIZONTAL SPAN
DRAINAGE STRUCTURES	2' BEYOND ALL EXTERIOR OR FOUNDATION WALLS

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

Leo Fontaine, P.E.
2020.07.08 09:20:49-04'00'

APPROVED BY:

James Fallon, P.E.

Digitally signed by James Fallon, P.E.
DN: c=US, o=State of Connecticut, cn=James Fallon, P.E.
OU=Department of Transportation, OU=Bureau of Engineering and Construction, OU=Office of Engineering and Construction, OU=State of Connecticut, email=James.Fallon@ct.gov
Date: 2020.07.14 08:07:19-04'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

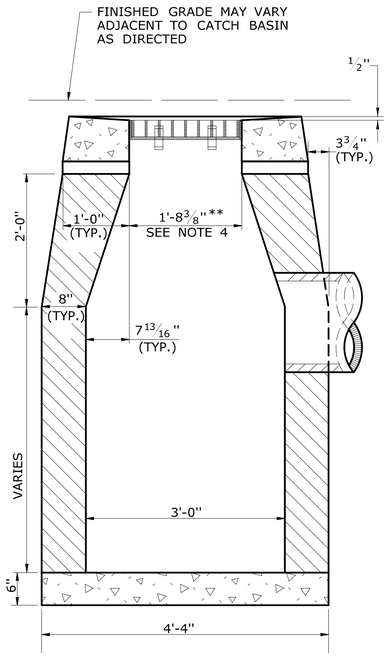
STANDARD SHEET TITLE:

DRAINAGE TRENCH EXCAVATION

STANDARD SHEET NO.:

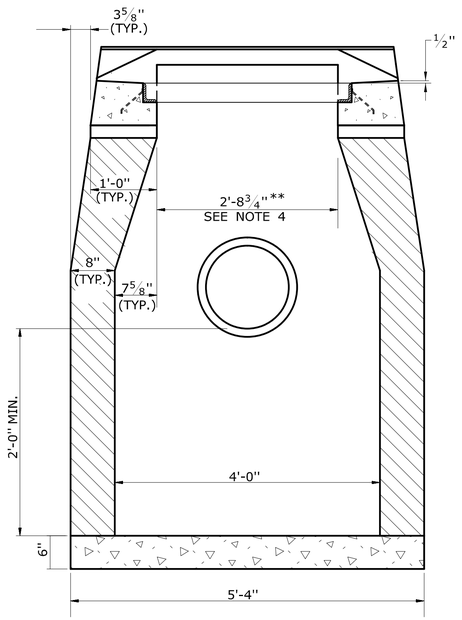
HW-286_01

PLOTTED DATE: 7/7/2020



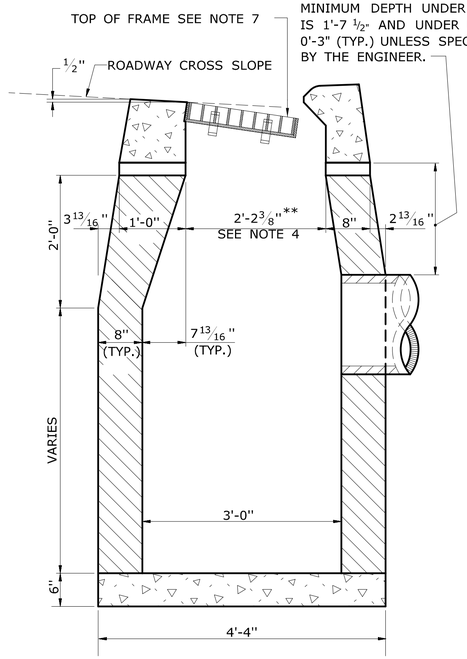
SECTION B

TYPE "C-L" CATCH BASIN



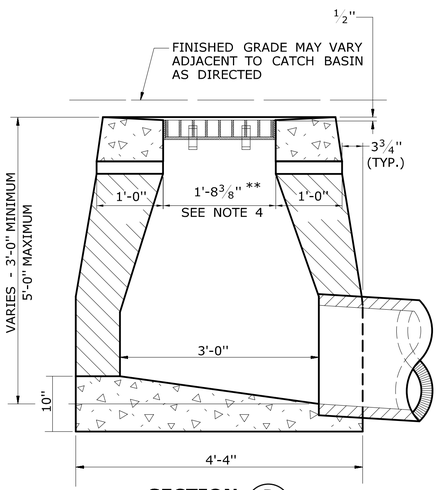
SECTION A

TYPE "C" & "C-L" CATCH BASIN (TYPE "C" TOP SHOWN)



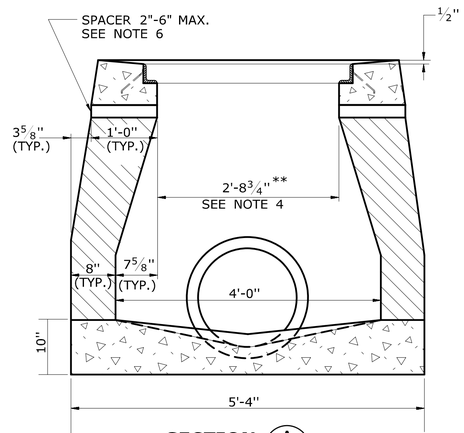
SECTION B

TYPE "C" CATCH BASIN



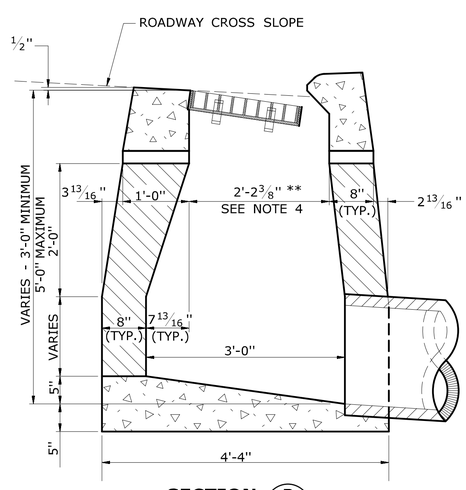
SECTION B

TYPE "C-L" DROP INLET



SECTION A

TYPE "C" & "C-L" DROP INLET (TYPE "C-L" TOP SHOWN)

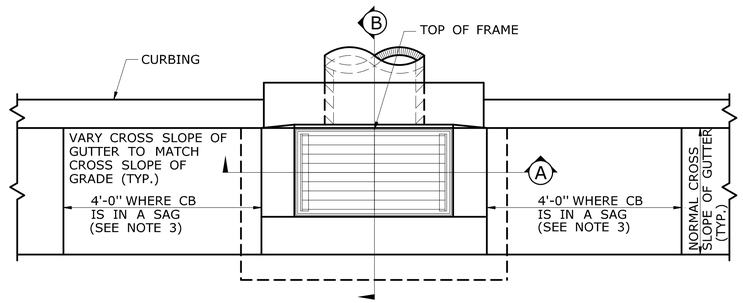


SECTION B

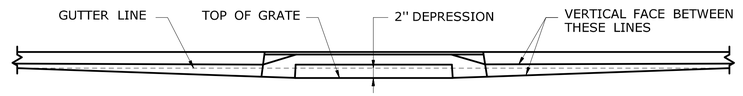
TYPE "C" DROP INLET

GENERAL NOTES:

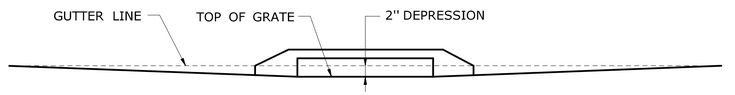
1. FOR CATCH BASIN TOPS, SEE SHEET NO. HW-586_07.
2. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL.
3. USE 6'-0" ON UPGRADE SIDE (SEE PLAN VIEW) OF CONTINUOUS GRADE AND 1'-0" ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED BY THE ENGINEER.
4. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE DIMENSIONS SHOWN. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3". NO PROJECTION SHALL EXTEND INSIDE THE LIMITS FOR THE CATCH BASIN OPENINGS SHOWN IN THE SECTION VIEWS **.
5. WALL THICKNESS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" THICKNESS SHALL START AFTER THE FIRST 10'.
6. SPACERS CAN BE EITHER CONCRETE MASONRY UNIT OR PRECAST WITH THE REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE THE PROPER GRADE SHOWN ON THE PLANS.
7. TOP OF FRAME ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE AT GUTTER LINE.



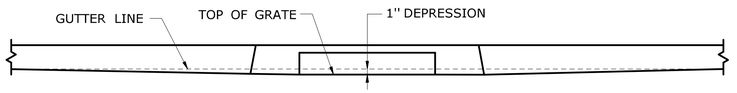
PLAN



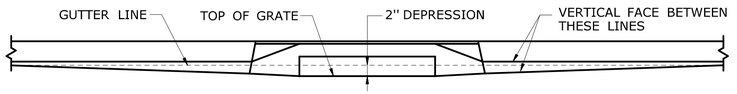
CATCH BASINS IN A LINE WITH 4" CONCRETE PARK CURBING OR 4" BITUMINOUS CONCRETE PARK CURBING



CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



CATCH BASINS IN A LINE WITH 6" CONCRETE CURBING OR 6" STONE CURBING

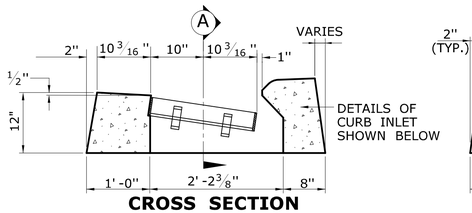


CATCH BASINS IN A LINE WITH 6" BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

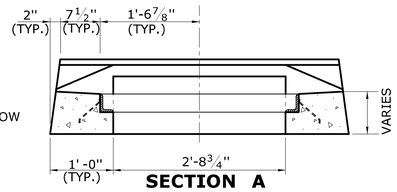
DETAILS OF DEPRESSED GUTTER STRIP FOR TYPE "C" CATCH BASIN

	NOT TO SCALE ###	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Lee Fontaine, P.E. 2020.07.08 09:22:22-04'00'	APPROVED BY: James Fallon, P.E. Digitally signed by James Fallon, P.E. DN: C=US, E=James.Fallon@ct.gov, O=State of Connecticut, Department of Transportation, OU=Manager of Facilities & Transit, Quality Assurance Engineering and Materials Testing, CN=James Fallon, L=Newington, S=Connecticut, C=US Date: 2020.07.14 09:58:50-04'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN AND DROP INLET TYPES "C" AND "C-L"	STANDARD SHEET NO.: HW-586_01

PLOTTED DATE: 7/7/2020

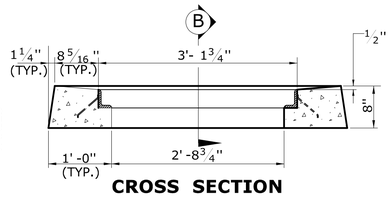


CROSS SECTION

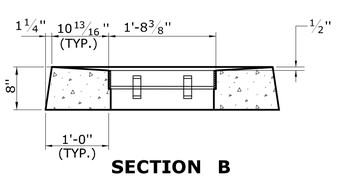


SECTION A

TYPE "C" CATCH BASIN TOP



CROSS SECTION

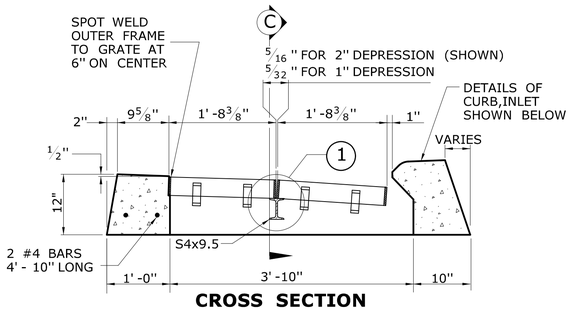


SECTION B

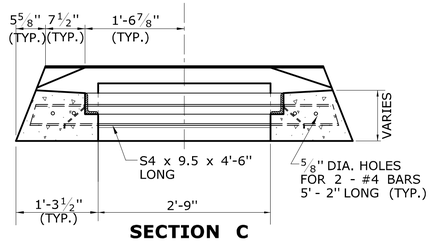
TYPE "C-L" CATCH BASIN TOP

GENERAL NOTES:

1. FOR DETAILS OF FRAMES AND GRATES, SEE SHEET NO. HW-586_08.
2. ALL BARS SHALL HAVE A MINIMUM 2" COVER.

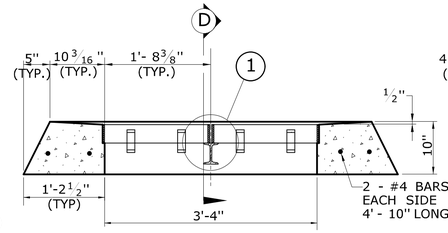


CROSS SECTION

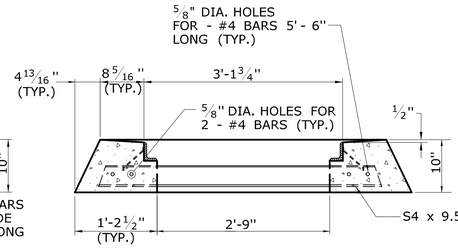


SECTION C

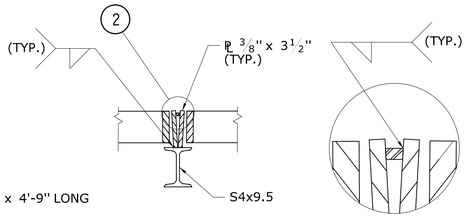
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP



CROSS SECTION



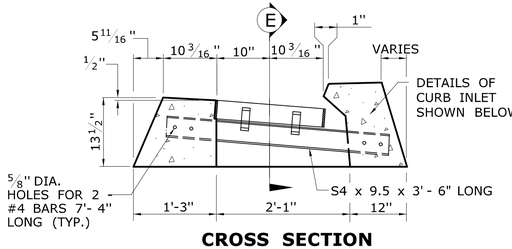
SECTION D



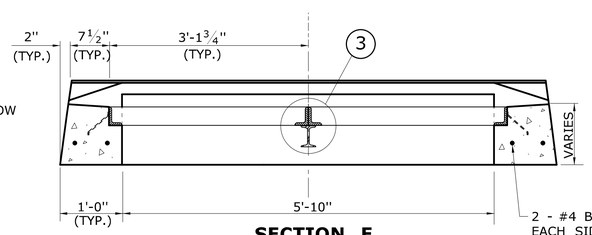
DETAIL "1"

DETAIL "2"

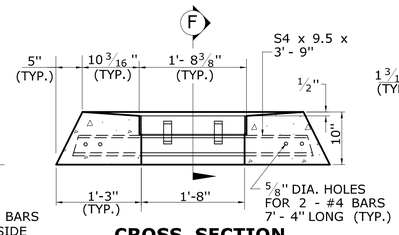
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP



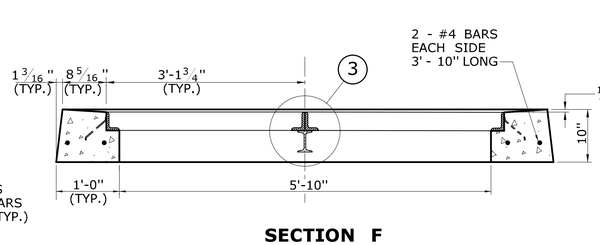
CROSS SECTION



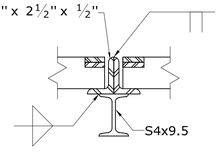
SECTION E



CROSS SECTION

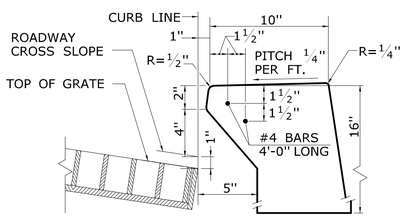


SECTION F

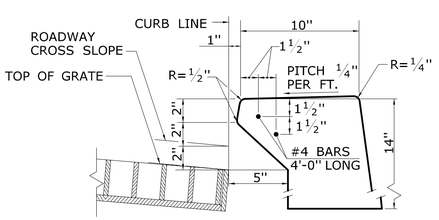


DETAIL "3"

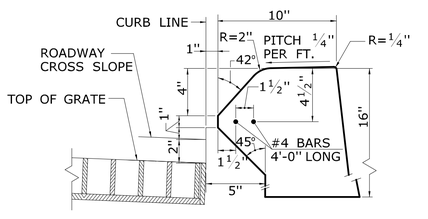
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



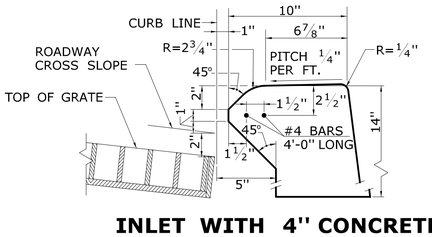
INLET WITH 6" CONCRETE OR STONE CURBING FOR TYPE "C" CB



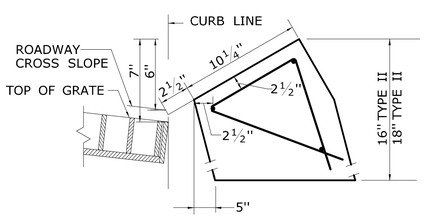
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB



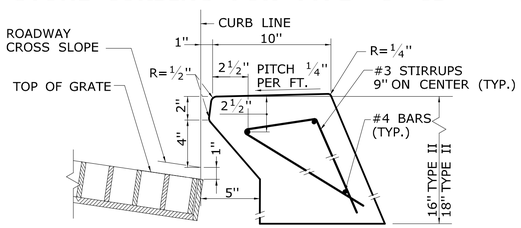
INLET WITH 6" BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB



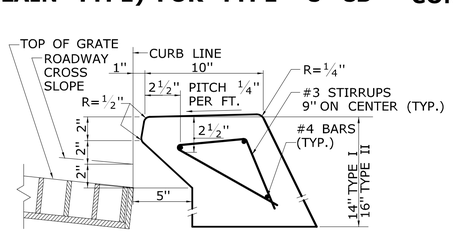
INLET WITH 4" CONCRETE PARK CURBING FOR TYPE "C" CB



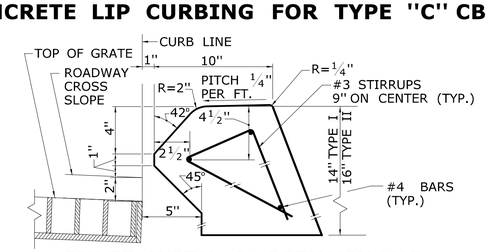
INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB



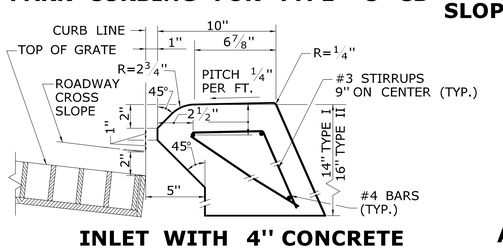
INLET WITH 6" CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



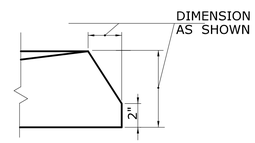
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 6" BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



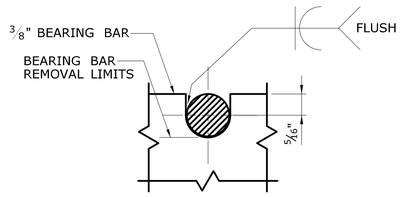
INLET WITH 4" CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



ALTERNATE CONSTRUCTION OF TYPE II TOP

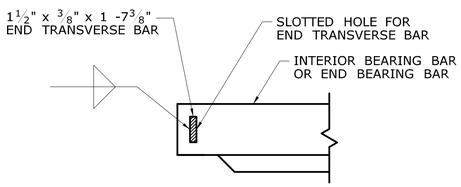
	NOT TO SCALE ###	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 09:24:52-04'00'	APPROVED BY: James Fallon, P.E.	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN TOPS TYPE "C" AND "C-L"	STANDARD SHEET NO.: HW-586_07

PLOTTED DATE: 6/30/2020

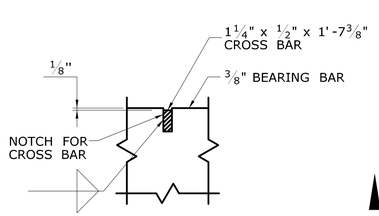


NOTE:
5/8" DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

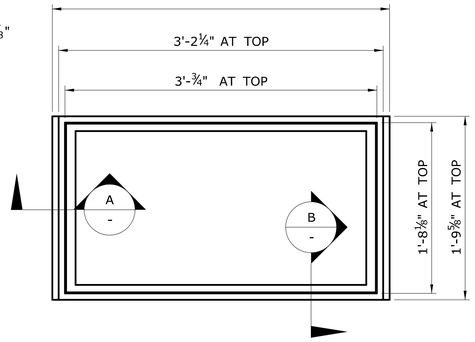
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A AND B



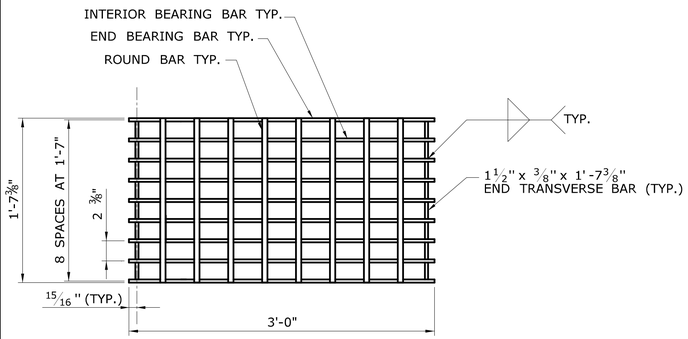
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



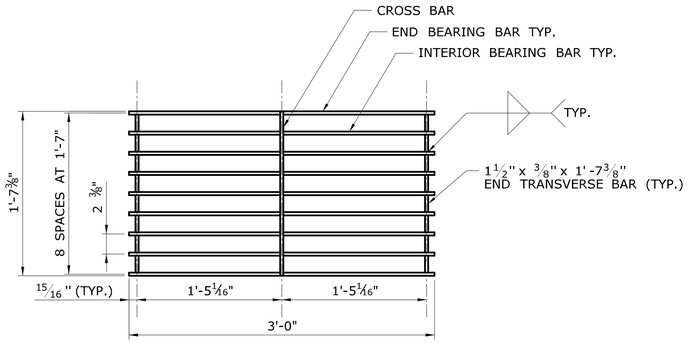
PLAN

GENERAL NOTES:

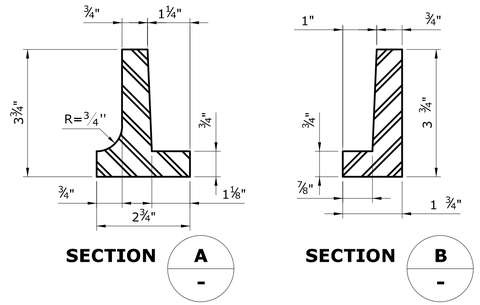
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" AND "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR ON HEAVY DUTY LOCK DOWN TOPS AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. DO NOT GALVANIZE CAST IRON FRAMES.
5. DIMENSIONAL TOLERANCES SHALL BE ± 1/16 INCH.
6. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.



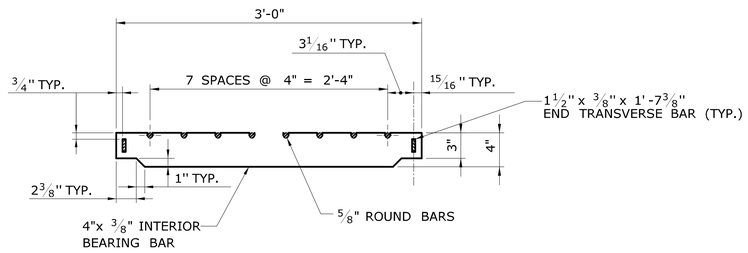
PLAN



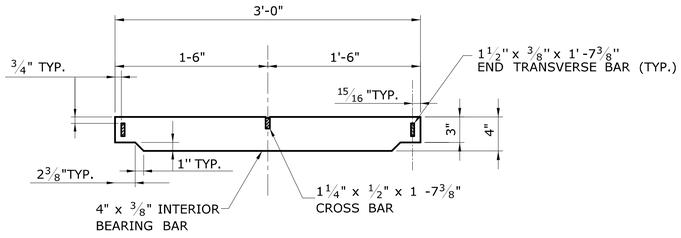
PLAN



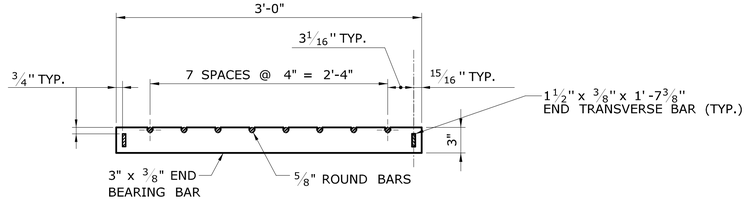
CAST IRON FRAME ALTERNATE



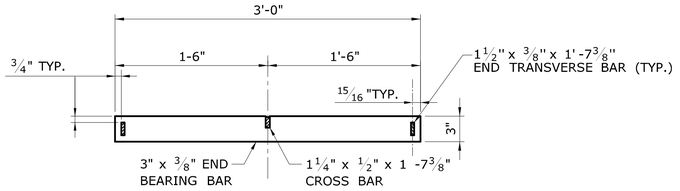
ELEVATION- INTERIOR BEARING BAR



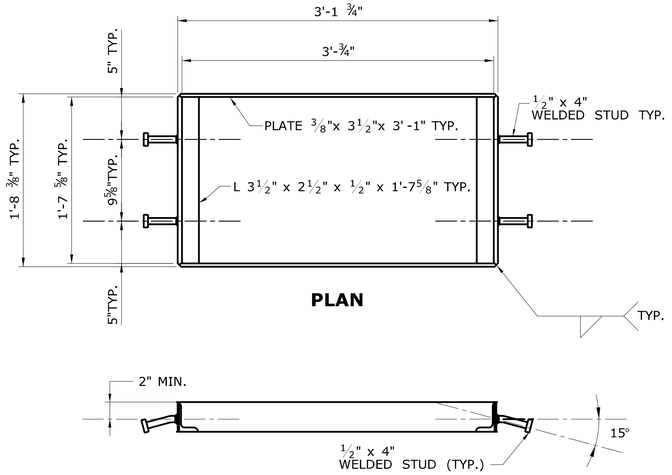
ELEVATION- INTERIOR BEARING BAR



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



PLAN

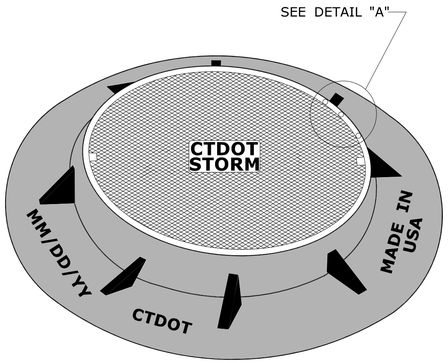
WELDED STUD ANCHOR DETAILS
STEEL FRAME

	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 09:25:23-04'00'	APPROVED BY: James Fallon, P.E.	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CATCH BASIN FRAMES AND GRATES	STANDARD SHEET NO.: HW-586_08

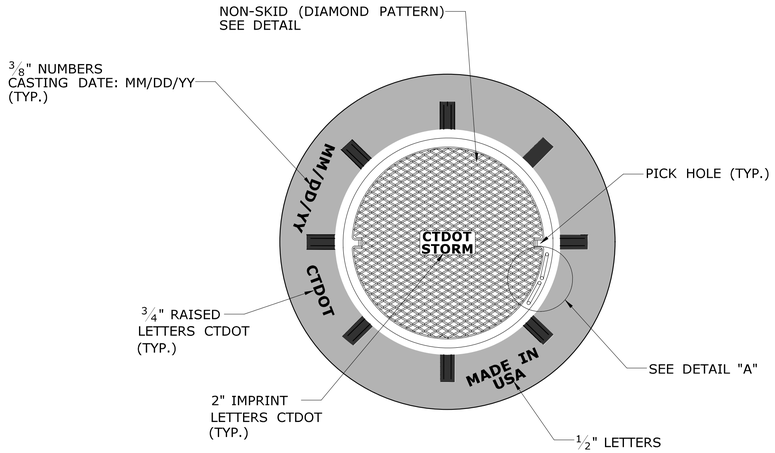
PLOTTED DATE: 6/30/2020

GENERAL NOTES:

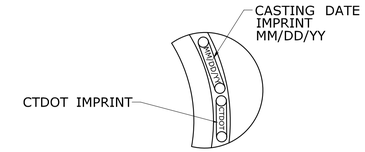
1. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.



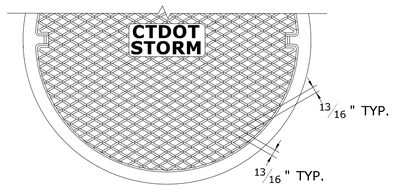
MANHOLE FRAME AND COVER



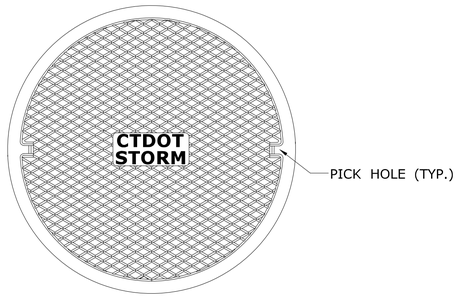
PLAN



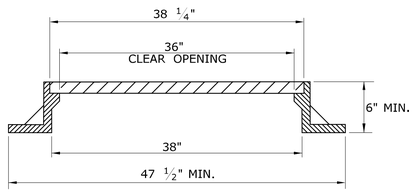
DETAIL "A"



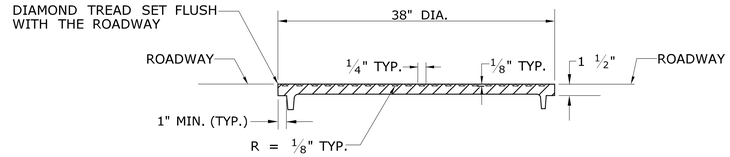
DIAMOND PATTERN PLAN



MANHOLE COVER PLAN



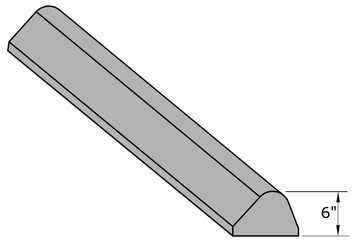
MANHOLE FRAME AND COVER



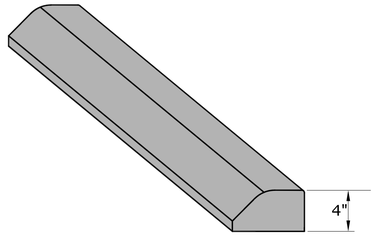
MANHOLE COVER WITH DIAMOND PATTERN

	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 09:26:08-04'00'	APPROVED BY: James Fallon, P.E.	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: MANHOLE FRAME AND COVER	STANDARD SHEET NO.: HW-586_10a

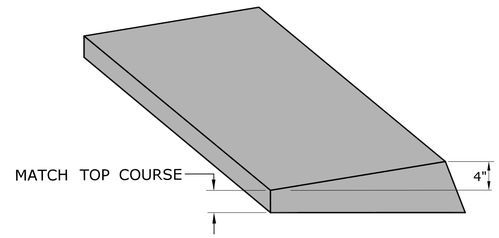
PLOTTED DATE: 6/30/2020



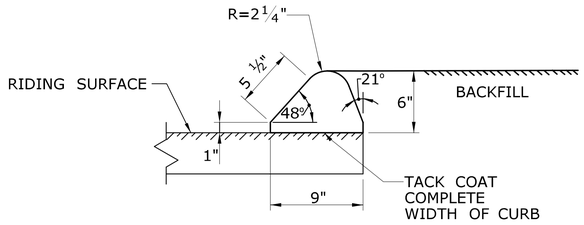
BITUMINOUS CONCRETE LIP CURBING
(6" HIGH)



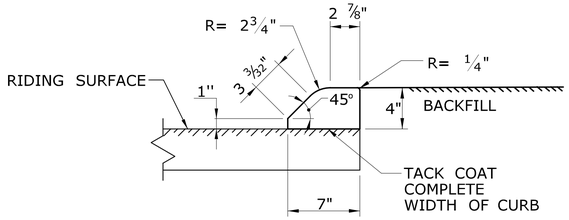
BITUMINOUS CONCRETE PARK CURBING
(4" HIGH)



BITUMINOUS CONCRETE BERM CURBING
(4" HIGH)



SECTION



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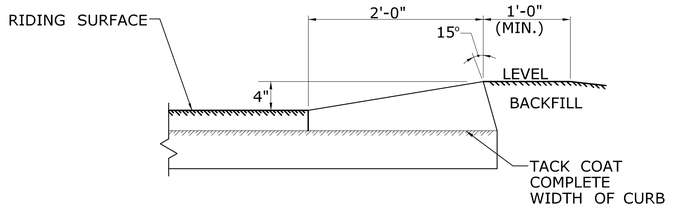


SECTION

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

Leo Fontaine, P.E.
2020.07.08
09:34:54-04'00'

APPROVED BY:

James Fallon, P.E.

Digitally signed by James Fallon, P.E.
DN: c=US, o=State of Connecticut, ou=Department of Transportation, ou=Bureau of Engineering and Construction, ou=Office of Engineering and Construction, ou=State of Connecticut, cn=James Fallon, P.E., email=James.Fallon@ct.gov
Date: 2020.07.14 08:45:11-04'00'

STATE OF CONNECTICUT
DEPARTMENT
OF
TRANSPORTATION

CTDOT
STANDARD SHEET

STANDARD SHEET TITLE:

BITUMINOUS CONCRETE CURBING

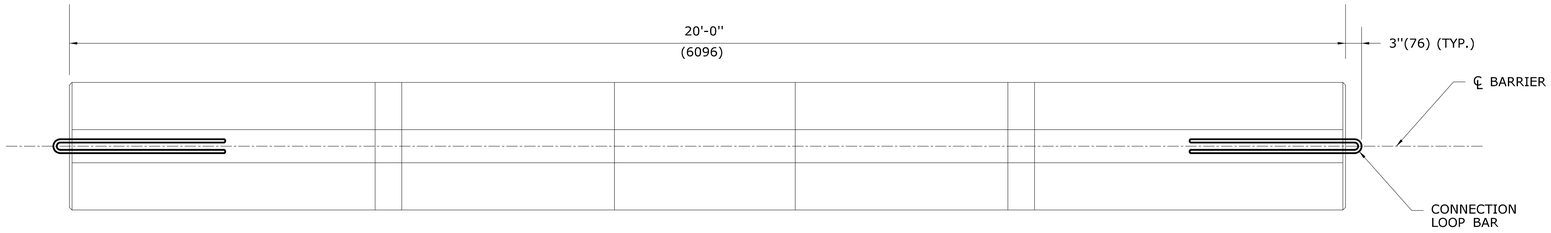
STANDARD SHEET NO.:

HW-815_01

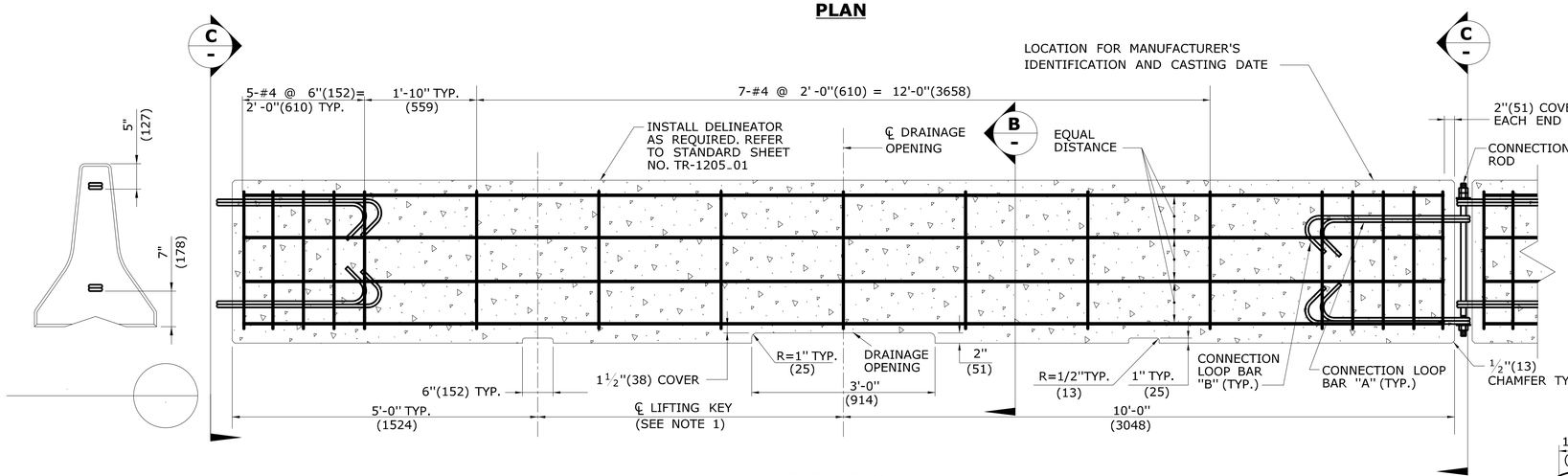
PLOTTED DATE: 7/7/2020

GENERAL NOTES:

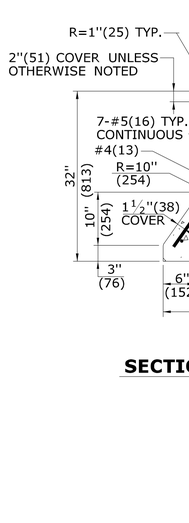
1. ALTERNATE DESIGNS FOR LIFTING KEYS, HOLES OR OTHER HANDLING DEVICES MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. EXPECTED PERMANENT DYNAMIC DEFLECTION IS 3'-6" (1148) BASED ON TL-3 CRASH TESTS WITH 240' (73152) OF TPCBC.



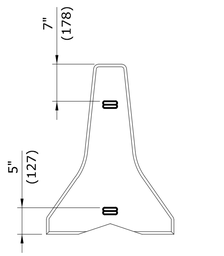
PLAN



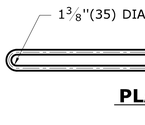
ELEVATION



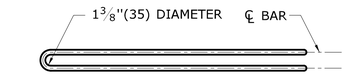
SECTION B -



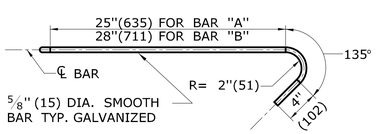
END VIEW C -



WASHER DETAIL



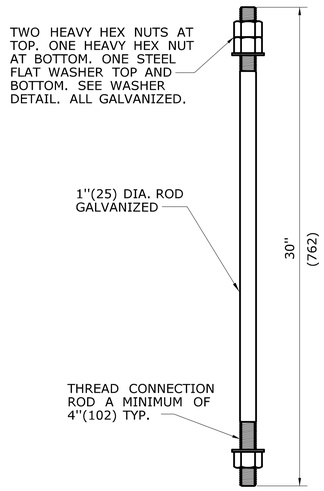
PLAN



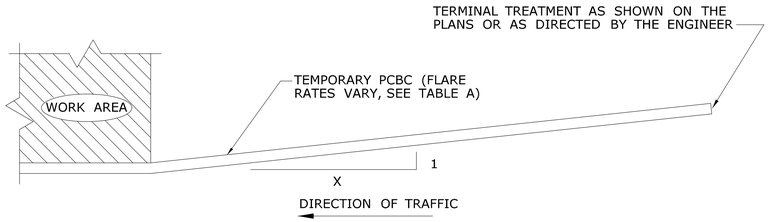
ELEVATION

BAR "A" = 6'-0"(1829) TOTAL
BAR "B" = 6'-6"(1981) TOTAL

CONNECTION LOOP BAR



CONNECTION ROD



PLAN - TYPICAL INSTALLATION

TABLE A

FLARE RATES

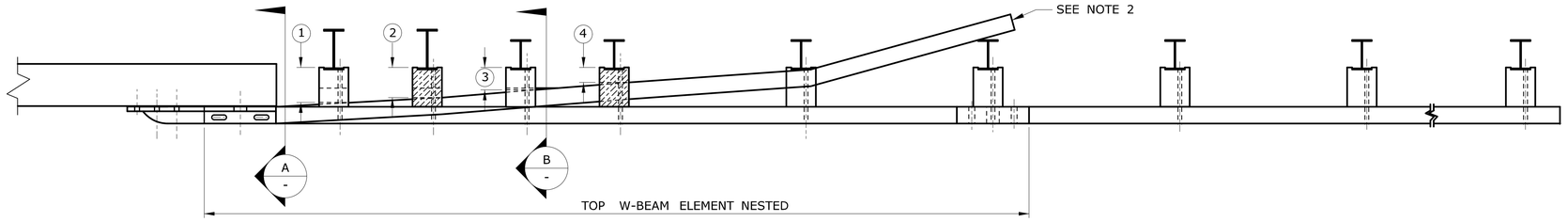
* SPEED	FLARE RATE (X : 1)
≤ 30MPH(48KPH)	4 : 1
> 30MPH(48KPH) <45MPH(72KPH)	6 : 1
≥ 45MPH(72KPH) NON-LIMITED ACCESS HIGHWAYS	8 : 1
ALL LIMITED ACCESS HIGHWAYS	10 : 1

* DESIGN SPEED THROUGH THE WORK AREA.

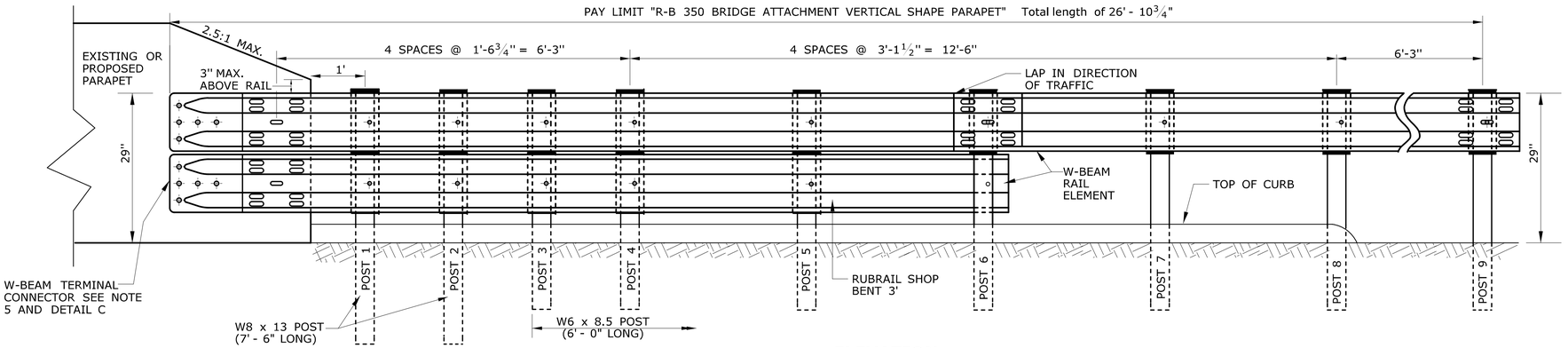
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

	NOT TO SCALE ###	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 09:56:23-04'00'	APPROVED BY: James Fallon, P.E. 2020.07.15 09:55:49-04'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: TEMPORARY PRECAST CONCRETE BARRIER CURB	STANDARD SHEET NO.: HW-822_01

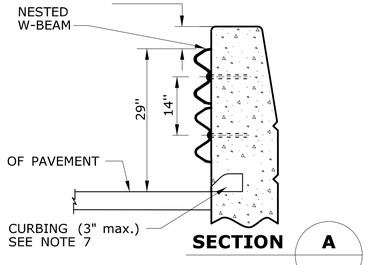
PLOTTED DATE: 7/7/2020



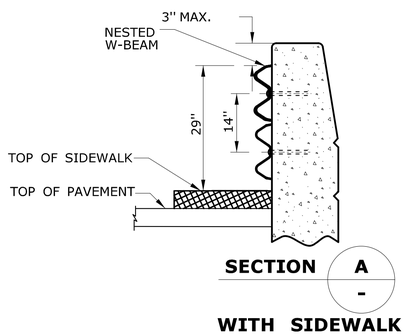
PLAN



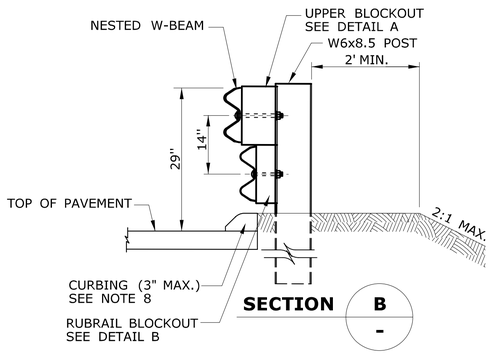
ELEVATION



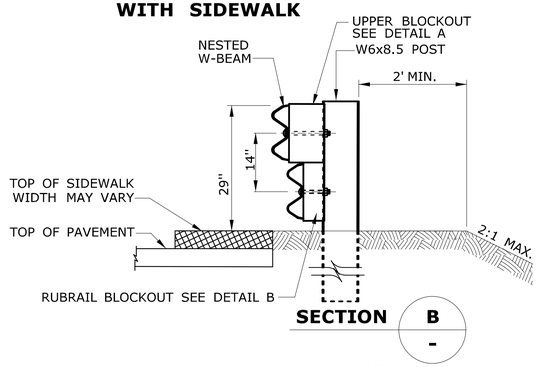
SECTION A - WITH CURBING



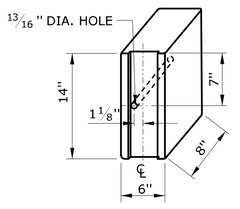
SECTION A - WITH SIDEWALK



SECTION B - WITH CURBING

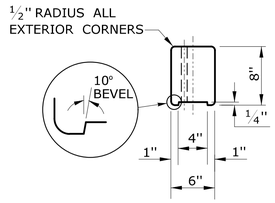


SECTION B - WITH SIDEWALK

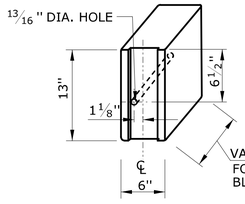


DETAIL A

UPPER BLOCKOUT



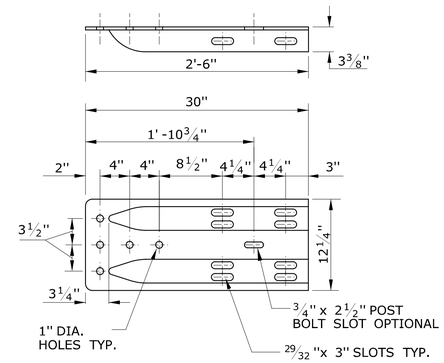
TOP



DETAIL B

RUBRAIL BLOCKOUT

RUBRAIL BLOCKOUTS 13" HIGH x 6" WIDE		
POST	THICKNESS	BOLT LENGTH
1	7"	9"
2	6"	8"
3	4 1/2"	6"
4	3"	5"



DETAIL C

W-BEAM TERMINAL CONNECTOR CLASS B TYPE II

SEE NOTE 5

GENERAL NOTES:

1. RUBRAIL BLOCKOUTS FOR POSTS 1 THROUGH 4 ARE ATTACHED TO POST AND RAIL WITH A 5/8" BUTTONHEAD BOLTS (SEE CHART FOR BOLT LENGTH). RUBRAIL ONLY IS ATTACHED TO POST 5 WITH A 5/8" x 1 1/4" BUTTONHEAD BOLT.
2. THE RUBRAIL SHALL BE SHOP BENT IN THE LAST 3' TO FACILITATE INSTALLATION. DO NOT ATTACH RUBRAIL TO BACK OF POST 6.
3. ANCHORAGE:
   (A) AT EXISTING PARAPETS EACH W-BEAM TERMINAL CONNECTOR SHALL BE ANCHORED USING FOUR 7/8" x 12" CHEMICALLY ANCHORED BOLTS WITH WASHERS OR AS DETAILED ON STRUCTURE SHEETS. MAXIMUM BOLT PROJECTION BEYOND THE NUT SHALL BE 1/2". THE 12" MINIMUM LENGTH OF CHEMICALLY ANCHORED BOLTS SHALL INCLUDE A MINIMUM EMBEDMENT DEPTH OF 10" INTO SUITABLY REINFORCED CONCRETE OR AS RECOMMENDED BY THE MANUFACTURER OF BONDING MATERIAL.
   (B) FOR NEW PARAPETS OR BARRIERS, THE W-BEAM TERMINAL CONNECTORS SHALL BE ANCHORED AS DETAILED ON THE STRUCTURE SHEETS.
4. ADDITIONAL BLOCKOUTS WITH POSTS 1 THROUGH 6 SHOULD BE AVOIDED.
5. FOR SINGLE DIRECTION ROADWAY:
   INSTALL W-BEAM TERMINAL CONNECTOR BETWEEN NESTED GUIDE RAIL ELEMENTS.
   FOR DUAL DIRECTION ROADWAY FOR APPROACHING TRAFFIC:
   INSTALL W-BEAM TERMINAL CONNECTOR BETWEEN NESTED GUIDE RAIL ELEMENTS.
   FOR TRAILING END:
   INSTALL W-BEAM TERMINAL CONNECTOR OUTSIDE OF THE NESTED GUIDE RAIL ELEMENTS.
6. MINIMUM RAIL HEIGHT FOR NEW CONSTRUCTION SHALL BE 29" +/- 1".
7. USE MODIFIED 4" BITUMINOUS CONCRETE PARK CURBING REDUCED TO A 3 INCH REVEAL BENEATH THE RUBRAIL IF CURBING IS REQUIRED.

NOT TO SCALE

####

SIGNATURE BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

SUBMITTED BY:

Leo Fontaine, P.E.
2020.07.08
10:00:15-04'00'

APPROVED BY:

James Fallon, P.E.
2020.07.15
09:58:42-04'00'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:

R-B 350 BRIDGE ATTACHMENT TO VERTICAL SAFETY SHAPE PARAPET

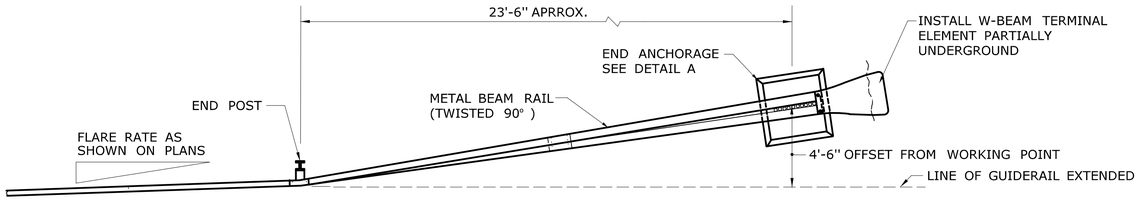
STANDARD SHEET NO.:

HW-910_07

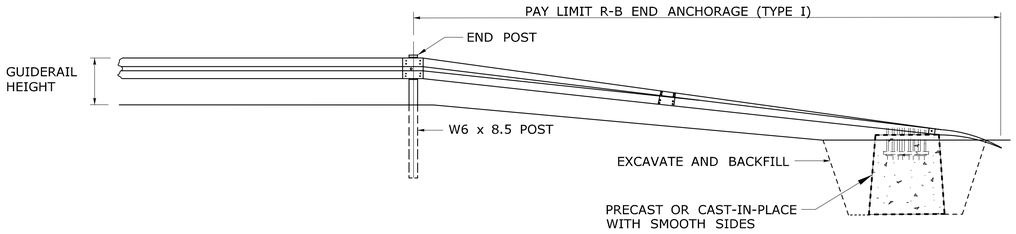
PLOTTED DATE: 7/1/2020

GENERAL NOTES:

1. J-HOOK BOLTS MAY BE SUBSTITUTED FOR BOTTOM PLATE ANCHORAGE IN CONCRETE END ANCHORS USING THE SAME SIZE, STRENGTH, AND LENGTH AS NOTED ON THE PLANS.
2. INSTALLATION OF RADII DIFFERENT THAN WHAT IS SHOWN IN DETAIL "C" FOR R-B END ANCHORAGE TYPE II MUST BE APPROVED BY THE ENGINEER.

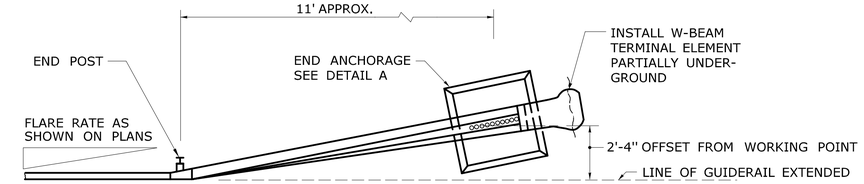


PLAN

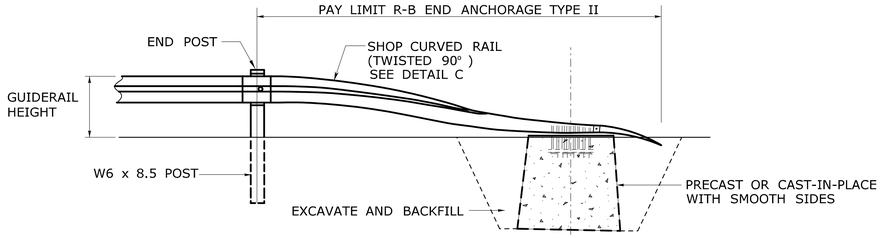


ELEVATION

R-B END ANCHORAGE TYPE I

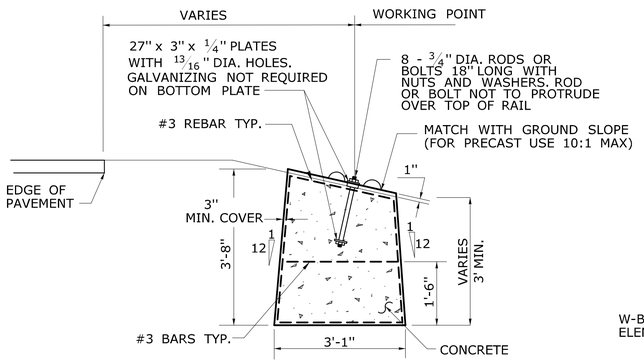


PLAN

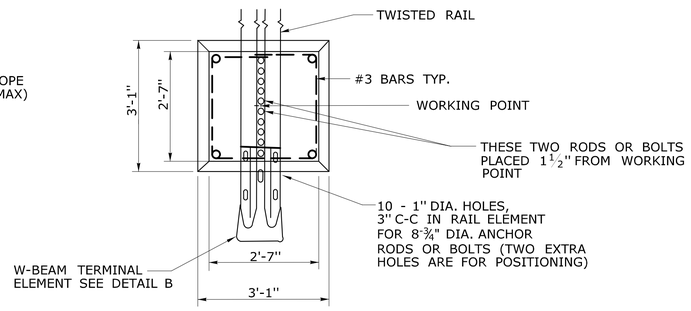


ELEVATION

R-B END ANCHORAGE TYPE II

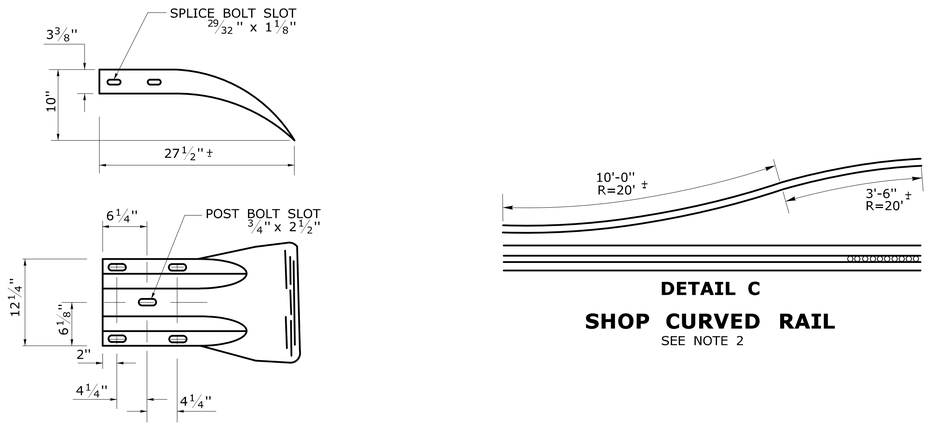


ELEVATION



PLAN

DETAIL A
ROADSIDE CONCRETE END ANCHOR
SEE NOTE 2

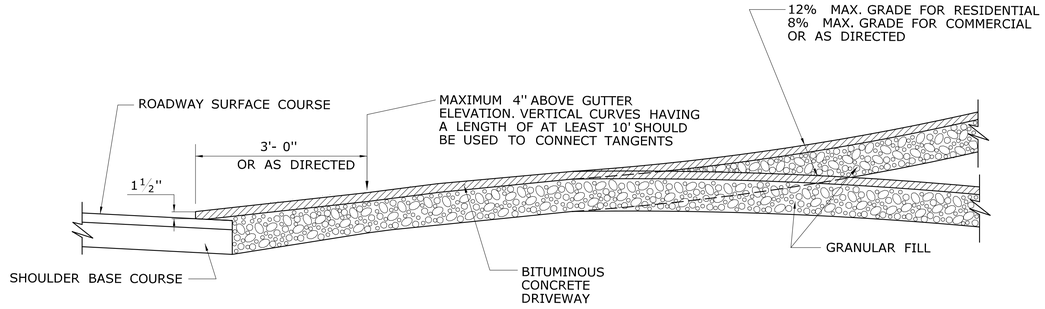


DETAIL B
W-BEAM TERMINAL ELEMENT

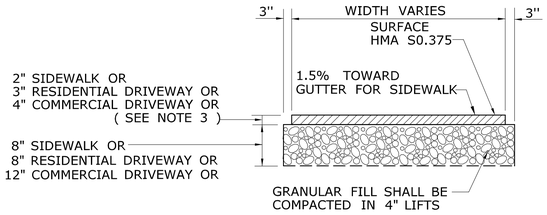
DETAIL C
SHOP CURVED RAIL
SEE NOTE 2

	NOT TO SCALE ###	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 10:28:15-04'00'	APPROVED BY: James Fallon, P.E. 2020.07.15 10:19:27-04'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: R-B END ANCHORAGE TYPE I AND II	STANDARD SHEET NO.: HW-911_01

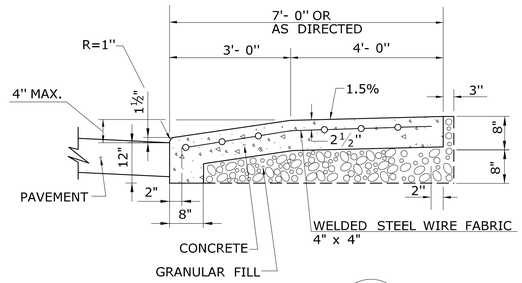
PLOTTED DATE: 7/1/2020



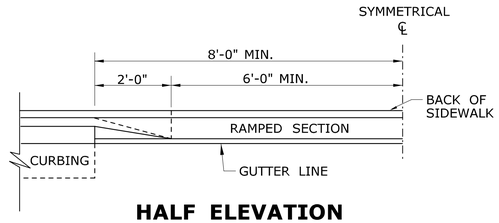
SECTION A



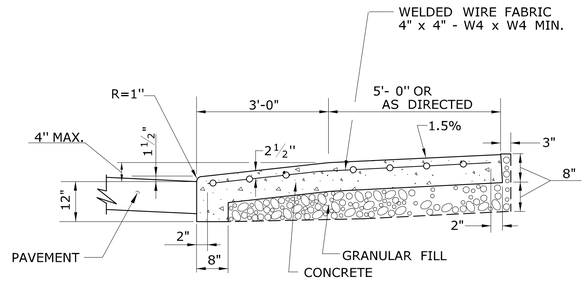
TYPICAL SECTION
BITUMINOUS CONCRETE
SIDEWALK AND DRIVEWAY



SECTION B



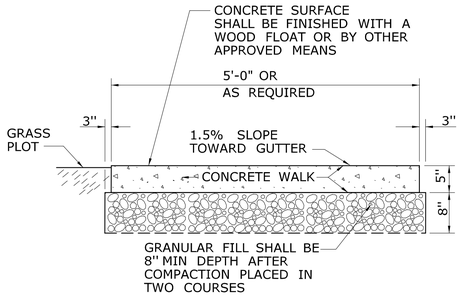
HALF ELEVATION



SECTION C

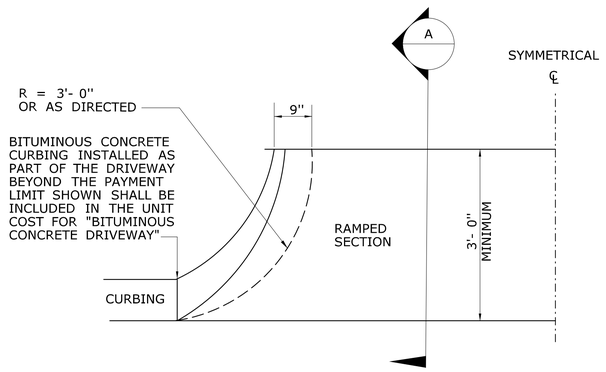
GENERAL NOTES:

1. DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' WIDE, EXCLUDING CURBING WHEN PRESENT.
2. WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.
3. SURFACE HMA S0.375 TO BE PLACED IN TWO EQUAL LIFTS FOR BOTH RESIDENTIAL AND COMMERCIAL DRIVEWAYS.

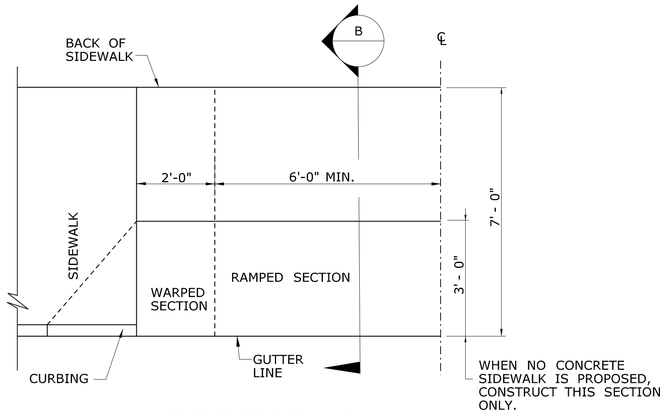


SECTION D

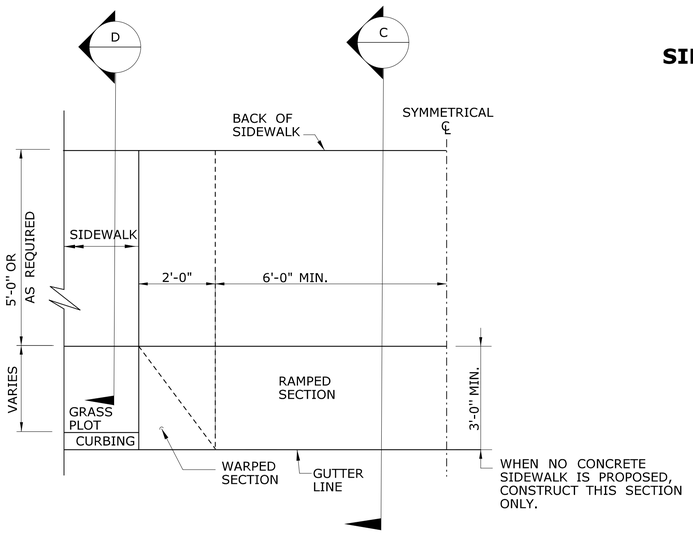
5' WIDE CONCRETE
SIDEWALK WITH GRASS PLOT



HALF BITUMINOUS CONCRETE
DRIVEWAY PLAN



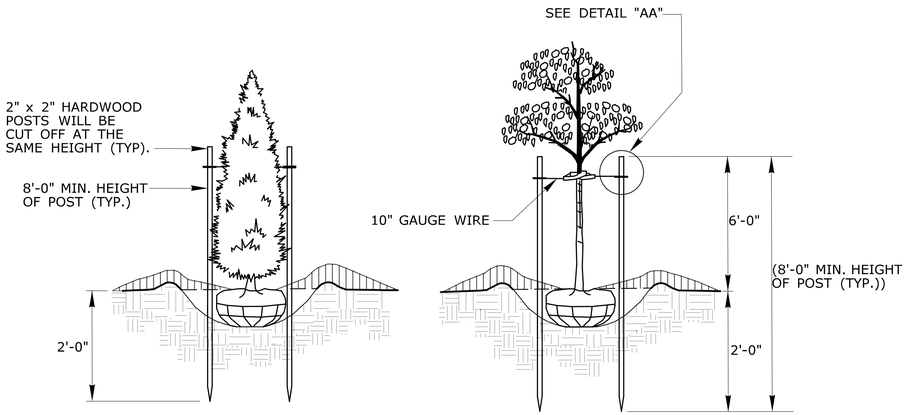
HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
SIDEWALK ADJOINS CURBING



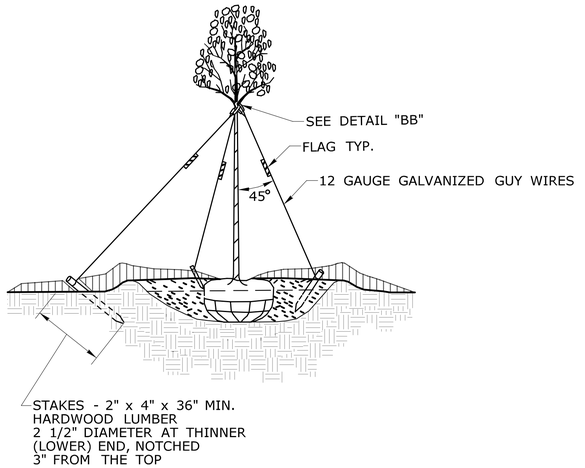
HALF PLAN OF
CONCRETE DRIVEWAY RAMP WHERE
CURB IS SEPARATED FROM
SIDEWALK BY GRASS PLOT

	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 10:32:47-04'00'	APPROVED BY: James Fallon, P.E. 2020.07.15 12:16:04-04'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: DRIVEWAY RAMPS AND SIDEWALKS	STANDARD SHEET NO.: HW-921_01

PLOTTED DATE: 7/1/2020



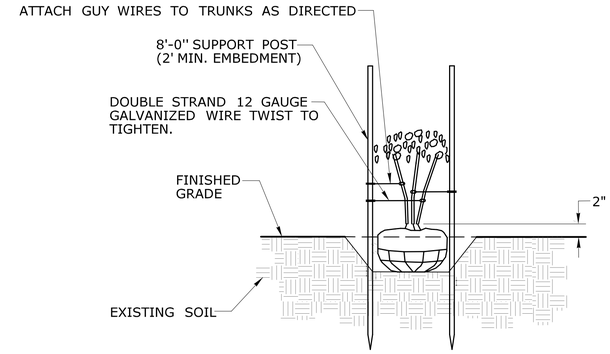
TWO STAKES



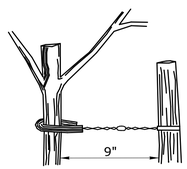
THREE GUYS AND STAKES

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT A STAKING PLAN FOR APPROVAL.
2. THE CONTRACTOR SHALL SUBMIT THE USE OF ANY OTHER MATERIALS FOR APPROVAL.
3. USE 3 POSTS FOR STAKING TREES 3" CALIPER OR GREATER AND EVERGREEN TREES 8' HIGH OR GREATER
4. USE DOUBLE STRAND 12 GAUGE GALVANIZED GUY WIRE FOR DECIDUOUS TREES GREATER THAN OR EQUAL TO 3" CALIPER AND USE DOUBLE STRAND 10 GAUGE GALVANIZED GUY WIRE FOR EVERGREEN TREES GREATER THAN OR EQUAL TO 8" CALIPER



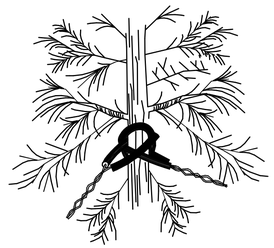
STAKING FOR MULTI-STEMMED TREES



DETAIL "AA" POST AND GUY WIRE

ANCHOR TREE TO POST(S) USING GALVANIZED GUY WIRE AND 3/8" MIN. INSIDE DIAMETER RUBBER HOSE

GUY WIRES SHOULD BE PLACED AT LEAST HALF WAY UP THE TRUNK



DETAIL "BB" GUY WIRES AROUND TRUNK

ANCHOR TREE TO STAKES USING GALVANIZED GUY WIRES AND 3/8" MIN. INSIDE DIAMETER RUBBER HOSE

GUY WIRES SHOULD BE PLACED AT LEAST HALF WAY UP THE TRUNK

	NOT TO SCALE ####	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY: Leo Fontaine, P.E. 2020.07.08 10:33:30-04'00'	APPROVED BY: James Fallon, P.E. 2020.07.15 12:16:46-04'00'	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: TREE STAKING	STANDARD SHEET NO.: HW-949_01b

PLOTTED DATE: 7/1/2020

ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #

	SHEET NO.	TITLE	APPROVAL DATE
☐	TR-1000_01	GENERAL CLAUSES (TEST PROCEDURES)	1/2014
☐	TR-1001_01	TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	4/2012
☐	TR-1002_01	TRAFFIC CONTROL FOUNDATIONS	1/2014
☑	TR-1010_01	CONCRETE HANDHOLE	4/2014
☐	TR-1102_01	PEDESTALS, PEDESTRIAN SIGNALS	4/2012
☐	TR-1105_01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS	8/2018
☐	TR-1107_01	PEDESTRIAN PUSH BUTTON	8/2018
☐	TR-1108_01	CONTROLLERS	5/2013
☐	TR-1111_01	LOOP VEHICLE DETECTOR AND SAWCUT	4/2014
☐	TR-1113_01	CONTROL CABLE	4/2014
☐	TR-1114_01	BONDING & UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAILS	8/2018

	SHEET NO.	TITLE	APPROVAL DATE
☑	TR-1205_01	DELINEATION, DELINEATORS AND OBJECT MARKER DETAILS	8/2018
☑	TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS	8/2018
☑	TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS	6/2017
☐	TR-1210_01	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS	OBSOLETE
☐	TR-1210_02	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS	OBSOLETE
☐	TR-1210_03	SPECIAL DETAILS & TYPICAL PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS	OBSOLETE
☑	TR-1210_04	PAVEMENT MARKING LINES AND SYMBOLS	8/2018
☐	TR-1210_05	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	4/2017
☐	TR-1210_06	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	8/2018
☐	TR-1210_07	PAVEMENT MARKINGS FOR EXIT RAMPS	4/2017
☑	TR-1210_08	PAVEMENT MARKINGS FOR NON FREEWAYS	8/2018
☐	TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS	4/2017
☑	TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS	8/2018
☑	TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES	8/2018

STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS

REV.	DATE	REVISION DESCRIPTION
4	4-2017	REMOVED TR-1210_01 TO TR-1210_03. ADDED TR-1210_04 TO TR-1210_09
3	4-2014	REMOVED TR-1111_02.
2	1-2014	REMOVED TR-1103_01.
1	4-2012	RENUMBERED TR-1107_02 TO TR-1114_01. REMOVED TR-1116_01.

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.

Plotted Date: 8/16/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD_DGN.DGN Model: TR-01-STD_INDEX

SUBMITTED BY: NAME/DATE/TIME:

Digitally signed by Michael Fisher
Date: 2022.04.22 14:39:54-04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

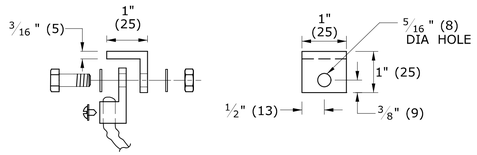
TRAFFIC STANDARD SHEET INDEX

STANDARD SHEET NO.:

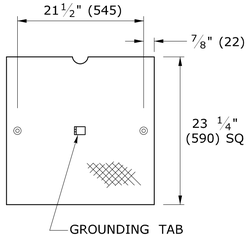
TR-STD_INDEX

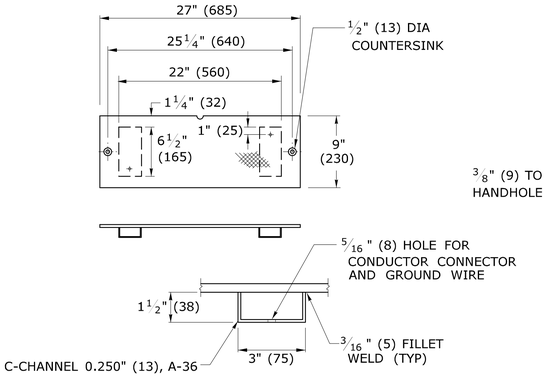
COVER NOTES:

1. GROUNDING TAB WELDED TO BOTTOM CENTER OF COVER WITH 3/16" (5) WELD (3 SIDES).
2. ATTACH 6' (2 m) LENGTH OF NO. 8 GROUND WIRE TO GROUNDING TAB WITH CONDUCTOR CONNECTOR, 1/4" - 20 X 3/4" (M6 X 20) LG SST HEX HEAD BOLT, AND SST FLAT WASHER. ATTACH FREE END OF GROUND WIRE TO CONDUIT BONDING BUSHING IN HANDHOLE.
3. CONDUCTOR CONNECTOR: COPPER ALLOY BODY, BRASS SCREW, BRASS OR COPPER ALLOY PRESSURE PLATE.
4. COVER SCREW INSERT: 3/8"-16 (9-16), 1 1/2"L (37L), STAINLESS STEEL.
5. COVER SCREW: 3/8"-16 (9-16), 1"L (25L), FLAT HEAD, SLOTTED, STAINLESS STEEL.

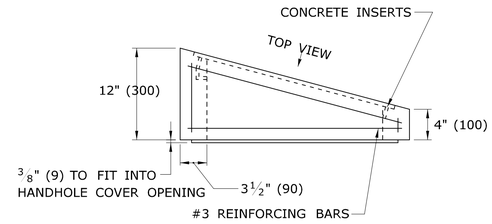


STEEL GROUNDING TAB w/ CONDUCTOR CONNECTOR

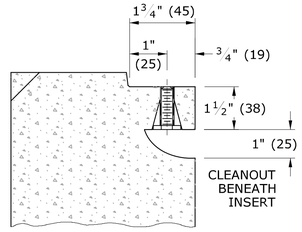




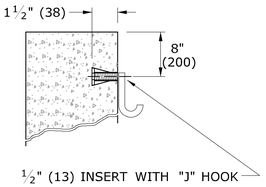
NON SKID FLOOR PLATE GALVANIZED STEEL, 3/8" (10)



BANK ADAPTER

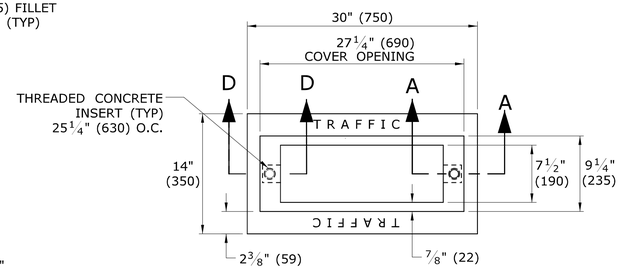


SECTION D-D

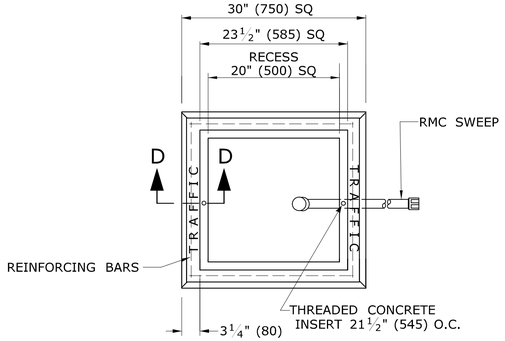


INSERT DETAIL

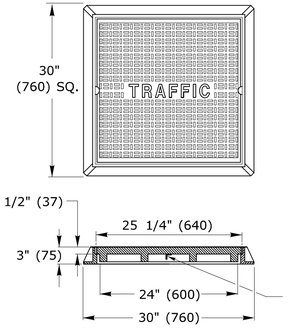
TYP IN TWO PLACES FOR ALL HANDHOLES

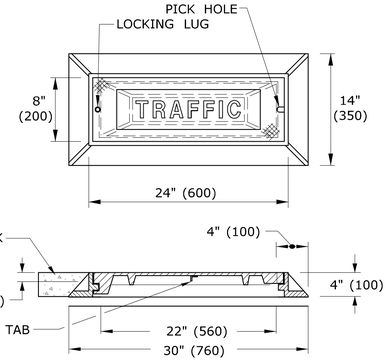


PLAN VIEW

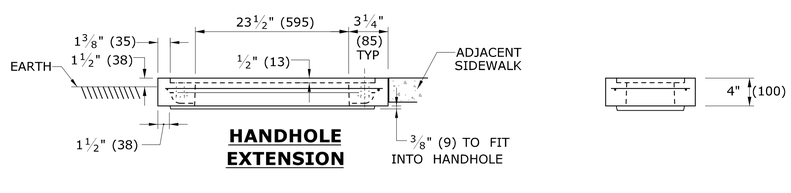


PLAN VIEW

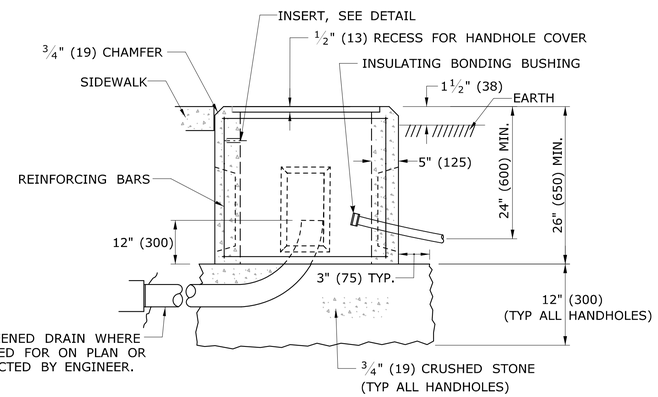




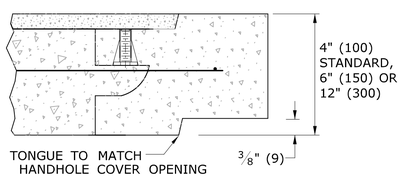
CAST IRON HANDHOLE COVERS



HANDHOLE EXTENSION

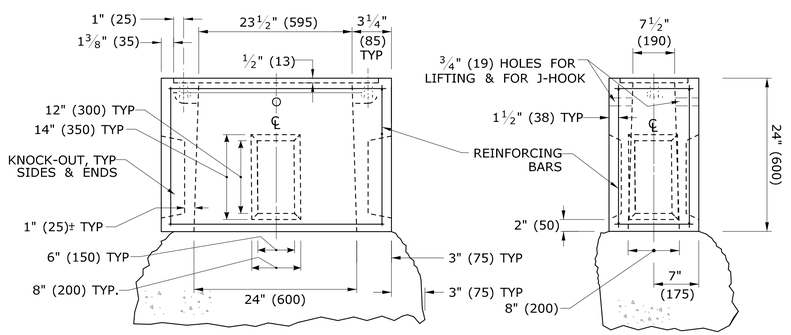


CONCRETE HANDHOLE TYPE I



SECTION A-A
HANDHOLE EXTENSIONS

4 - #8 REINFORCING BARS REQ'D



BASE SECTION
CONCRETE HANDHOLE TYPE II

HANDHOLE NOTES:

1. MINIMUM CLASS "C" CONCRETE.
2. COMPLETE TYPE II HANDHOLE:
   IN EARTH AREAS, CONSISTS OF A BASE SECTION WITH 4" (100) HANDHOLE EXTENSION,
   IN SIDEWALK AREAS, CONSISTS OF A BASE SECTION WITH 4" (100) CAST IRON COVER.
3. PLAN VIEW DIMENSIONS, SECTION VIEW, & DETAILS, SAME FOR BASE SECTION, EXTENSIONS & BANK ADAPTER.
4. GROUT AROUND ALL CONDUITS.
5. INSTALL 30" (750) SIDE PARALLEL TO ROAD UNLESS OTHERWISE NOTED.
6. INSTALL HANDHOLES APPROX. 12" (300) BEHIND CURB OR IF NO CURB, 24" (600) BEHIND EDGE OF ROAD UNLESS OTHERWISE SPECIFIED.
7. CAST THE WORD "TRAFFIC" INTO TOP EDGE OF HANDHOLE, 1 1/2" (38) LETTERS.
8. WHERE AN EXISTING CONCRETE SIDEWALK SLAB ABUTTING A HANDHOLE IS DAMAGED OR CUT DURING INSTALLATION, REPLACE THE ENTIRE SIDEWALK SECTION.
9. 12-#3 REINFORCING BARS REQUIRED FOR ALL HANDHOLES. (8 HORIZONTAL, 4 VERTICAL)

LEGEND AS SHOWN ON TRAFFIC CONTROL SIGNAL PLAN:

- PROPOSED HANDHOLE
- EXISTING HANDHOLE

REV.	DATE	REVISION DESCRIPTION
2	4-2014	REVISED HANDHOLES NOTES, ADDED NOTE #6.
		ADDED "J" HOOK TO INSERT DETAIL.
1	4-2012	CAST IRON COVER: CHANGED BOLT TO PICK HOLE. ADDED EXTENSIONS,
		C-CHANNEL, CONDUCTOR CONNECTOR & MINOR REVISIONS.

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Plotted Date: 4/11/2014

DIMENSIONS ARE IN ENGLISH (") & METRIC UNITS (mm).
METRIC DIMENSIONS ARE ROUNDED:
- OVER 1" TO NEAREST 5 mm
- UNDER 1" TO NEAREST 1 mm.

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.DGN Model: TR-1010_01

SUBMITTED BY: NAME/DATE/TIME:
Tracy L. Fogarty, P.E. 2014.04.25 16:01:09-04'00'

APPROVED BY: NAME/DATE/TIME:
Digitally signed by Charles S. Harlow, P.E. Date: 2014.04.29 14:26:25-04'00'

CTDOT STANDARD SHEET

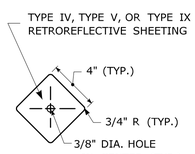
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
CONCRETE HANDHOLE

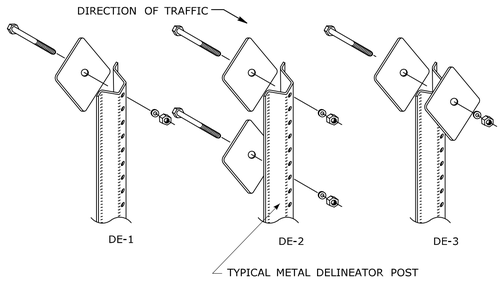
STANDARD SHEET NO.:
TR-1010_01

DELINEATORS DE-1, DE-2, DE-3

INSTALLATION ON DELINEATOR POSTS



SIGN #51-5028 WHITE
SIGN #51-5029 YELLOW



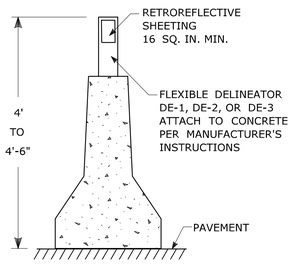
COLORS: - YELLOW OR WHITE.

DELINEATORS - .0625" THK. ALUMINUM ALLOY.

FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE IV, TYPE V, OR TYPE IX RETROREFLECTIVE SHEETING.

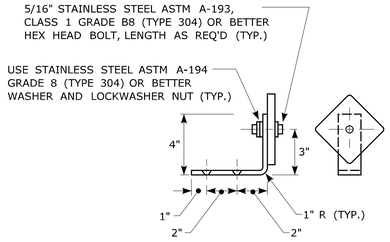
DELINEATORS SHALL BE FASTENED WITH 5/16" STAINLESS STEEL ASTM A-193 CLASS 1, GRADE B8 (TYPE 304) OR BETTER HEX HEAD BOLT (LENGTH AS REQUIRED), WASHER AND FIBER INSERT SELF LOCKING NUT, ON STANDARD METAL DELINEATOR POST.

INSTALLATION ON PERMANENT CONCRETE BARRIER, BRIDGE PARAPETS AND RETAINING WALLS

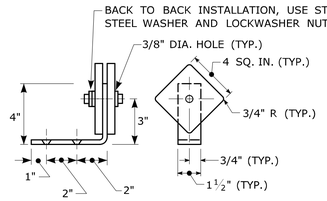


DELINEATORS DE-1, DE-2, DE-3 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

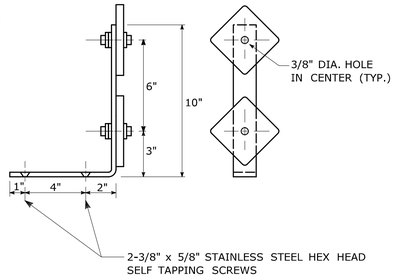
DELINEATORS DE-4, DE-4A, DE-5 FOR INSTALLATION ON METAL BRIDGE RAIL



DE-4



DE-4A

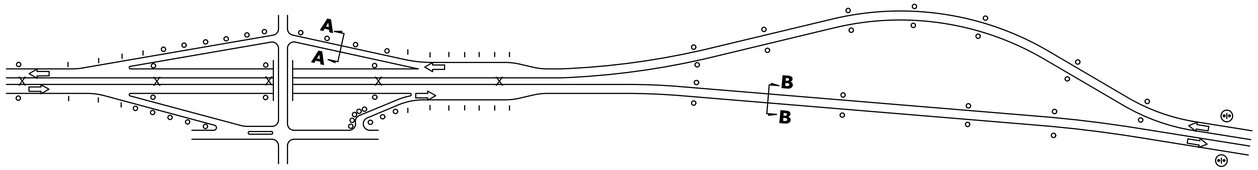


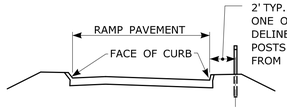
DE-5

COLORS: - YELLOW OR WHITE.
DELINEATORS - .0625" THK. ALUMINUM ALLOY.
BRACKET - .125" THK. ALUMINUM ALLOY, AND SHALL CONFORM TO SPECIFICATION M.18.07-03 BRIDGE RAIL MOUNTING BRACKETS.
FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE IV, TYPE V, OR TYPE IX RETROREFLECTIVE SHEETING.
USE STAINLESS STEEL WASHERS ON FACE OF DELINEATORS, 5/8" O.D. X 3/8" I.D. X .032" THK. (TYP.)

DELINEATORS TYPE DE-4, DE-4A, AND DE-5 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

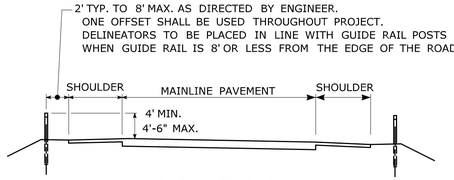
TYPICAL MAINLINE & INTERCHANGE DELINEATION





SECTION A-A

DELINEATOR PLACEMENT ON RAMPS
ON TANGENT SECTIONS - RIGHT SIDE OF RAMP
ON CURVED SECTIONS - BOTH SIDES OF CURVE



SECTION B-B

DELINEATOR PLACEMENT ON MAINLINE

DELINEATOR SPACING NOTES:

1) AT LOCATIONS WHERE THE MEDIAN WIDTH (BETWEEN SHOULDERS) IS 12' OR LESS, AND MEDIAN BEAM RAIL IS PRESENT, TYPE DE-3 DELINEATORS SHALL BE MOUNTED WITHIN THE MEDIAN BEAM RAIL.

2) SPACING ON MAINLINE EXPRESSWAY TANGENTS SHALL BE 400'.

3) SPACING ON MAINLINE EXPRESSWAY CURVES SHALL BE AS SPECIFIED IN TABLE 3F-1 OF THE MUTCD.

4) ON ACCELERATION AND DECELERATION LANES AND ON-RAMP TANGENT SECTIONS, DELINEATOR SPACING SHALL BE 100'.

5) ON CURVED PORTIONS OF RAMPS, DELINEATOR SPACING SHALL BE IN ACCORDANCE WITH TABLE 3F-1 OF THE MUTCD, BUT NOT TO EXCEED 100'.

LEGEND:

- ○ DE-1 DELINEATORS OR DE-4 DELINEATOR ASSEMBLY
- ı DE-2 DELINEATORS OR DE-5 DELINEATOR ASSEMBLY
- X DE-3 DELINEATORS ASSEMBLY OR DE-4A DELINEATOR
- (D1) D10-1, 2, 3, OR 4 ASSEMBLY TO BE INSTALLED WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

COLOR APPLICATION, FOR DE-1 THRU DE-5

LEFT SIDE OF ALL ROADWAYS AND RAMPS - YELLOW
RIGHT SIDE OF ALL ROADWAYS AND RAMPS - WHITE

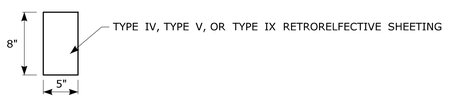
MUTCD TABLE 3F-1 APPROXIMATE SPACING FOR DELINEATORS ON HORIZONTAL CURVES

RADIUS (R) OF CURVE (feet)	APPROXIMATE SPACING (S) ON CURVE (feet)
50	20
115	25
180	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90

DISTANCE IN FEET WERE ROUNDED TO THE NEAREST 5 FEET. SPACING FOR SPECIFIC RADII MAY BE INTERPOLATED FROM TABLE. THE MINIMUM SPACING SHOULD BE 20 FEET. THE SPACING ON CURVES SHOULD NOT EXCEED 300 FEET. IN ADVANCE OF OR BEYOND A CURVE, AND PROCEEDING AWAY FROM THE END OF THE CURVE, THE SPACING OF THE FIRST DELINEATOR IS 2S, THE SECOND IS 3S, AND THE THIRD 6S BUT NOT TO EXCEED 300 FEET.

S REFERS TO THE DELINEATOR SPACING FOR SPECIFIC RADII COMPUTED FROM THE FORMULA: $S=3\sqrt{R-50}$.

DELINEATORS DE-7, DE-7A, DE-7B, DE-7D FOR INSTALLATION ON TEMPORARY PRECAST CONCRETE BARRIER CURB AND TEMPORARY PRECAST CONCRETE BARRIER CURB (STRUCTURE)



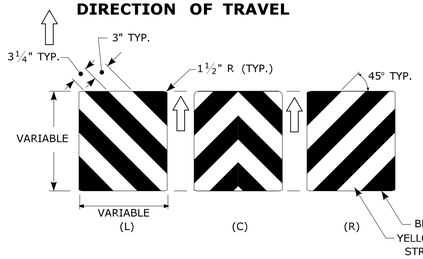
DE-7 ONE WAY WHITE
DE-7A ONE WAY YELLOW
DE-7B TWO WAY YELLOW
DE-7D TWO WAY WHITE
TEMPORARY PRECAST CONCRETE BARRIER DELINEATORS ARE TO BE FABRICATED OF ALUMINUM, STEEL, PLASTIC, OR OF A MATERIAL APPROVED BY THE ENGINEER AND MOUNTED IN THE CENTER OF EACH SECTION OF TEMPORARY BARRIER AS REQUIRED AND PER MANUFACTURER'S INSTRUCTIONS.

SPACING FOR TEMPORARY BARRIER CURB DELINEATORS:

ON THE LEADING TAPERED SECTION - EVERY 20',
ON THE FIRST 100' OF THE PARALLEL SECTION - EVERY 20',
ON THE REMAINING LENGTH - EVERY 100', MINIMUM OF 2 IF LESS THAN 100',
ALTERNATING ONE WAY TRAFFIC - EVERY 20',
ALL OTHER ROADWAYS SHALL BE DELINEATED IN ACCORDANCE WITH MUTCD.

DELINEATORS DE-7, DE-7A, DE-7B, AND DE-7D TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

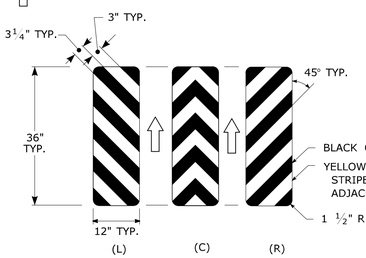
ATTENUATOR REFLECTORS SIGN #40-4266



THIS SHEETING WITHOUT A SUBSTRATE TO BE INSTALLED ON THE NOSE OF THE IMPACT ATTENUATOR WITH ADHESIVE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
THE SHEETING SHALL COVER THE NOSE OF THE IMPACT ATTENUATOR.
ON A CURVED NOSE, THE WIDTH OF THE SHEETING SHALL EXTEND 1" BEYOND THE POINT OF CURVATURE ON EACH SIDE OF THE NOSE.
THE HEIGHT AND WIDTH OF THE SHEETING VARIES DEPENDING ON THE SIZE OF THE NOSE OF THE IMPACT ATTENUATOR.

ATTENUATOR REFLECTOR TO BE PAID FOR UNDER SECTION 18.0 IMPACT ATTENUATOR

TYPE 3 OBJECT MARKERS SIGN #41-4267



SIGN #41-4267 MARKER MOUNTED ON 4lb. METAL SIGN POST.
BOTTOM OF SIGN #41-4267 TO BE 4' ABOVE ADJACENT EDGE OF PAVEMENT.
FINAL LOCATIONS OF SIGN #41-4267 MARKERS WILL BE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

TYPE 3 OBJECT MARKER TO BE PAID FOR UNDER SECTION 12.08 SIGN FACE SHEET ALUMINUM

REV.	DATE	REVISION DESCRIPTION
5	8-2018	INCLUDED DE-7D AND REMOVED DE-7C, DE-9, AND DE-10.
4	4-2017	REVISED ATTENUATOR REFLECTOR AND TYPE 3 OBJECT MARKERS.
3	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
2	2-2011	MINOR REVISIONS.
1	1-2010	INCLUDED DETAILS IN D10-1, D10-2, D10-3 DELINEATORS.

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.

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1205_01_1_2018.dgn Model: TR-1205_01

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17
09:04:28-04'00'

APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:47:46-04'00'

CTDOT STANDARD SHEET

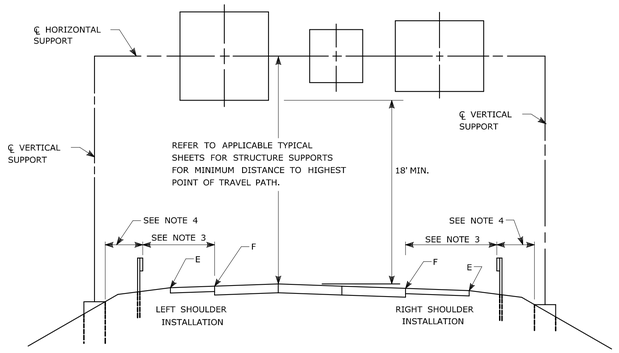
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

DELINEATION, DELINEATORS AND OBJECT MARKER DETAILS

STANDARD SHEET NO.:

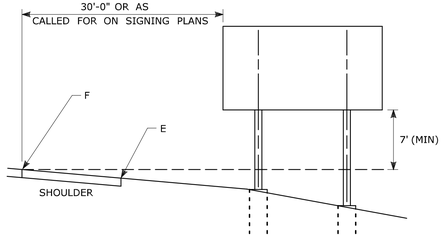
TR-1205_01



TYPICAL PLACEMENT OF OVERHEAD SIGNS ON SIGN SUPPORTS

NOTES:

1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.
2) BARRIER SYSTEMS MAY BE REQUIRED FOR BOTH SIDES OF SUPPORTS IN MEDIANS.
3) IMPACT PROTECTION SHALL BE PROVIDED FOR THE SIGN SUPPORTS LOCATED WITHIN CLEAR ZONE.
4) SIGN SUPPORT FOUNDATIONS SHALL BE LOCATED OUTSIDE OF BARRIER SYSTEMS DEFLECTION AREA.
5) ALL SIGNS ARE TO BE LEVEL, REGARDLESS OF CAMBER IN SUPPORT.



TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

NOTES:

1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 7'.
2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.
3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF OF SIGN FACE SHALL BE 6' MIN. FROM POINT "E".
4) IF 30'-0" MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.

FOR MAXIMUM EFFECTIVENESS, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:

ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES. SIGNS LOCATED 30 FT OR MORE FROM THE EDGE OF THE ROAD SHALL BE TURNED APPROXIMATELY 3° TOWARD THE ROAD.

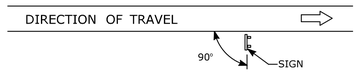


DIAGRAM "A"

ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.

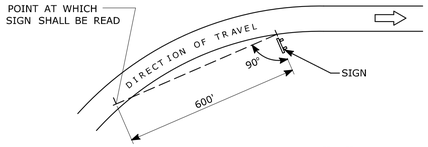
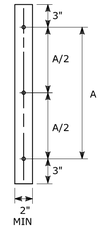


DIAGRAM "B"

SIGN ORIENTATION DETAILS FOR SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

RETROREFLECTIVE STRIPS 48" LONG OR LESS:

RETROREFLECTIVE STRIPS OVER 48" LONG:

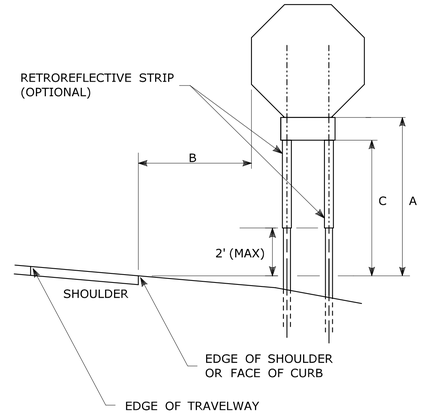


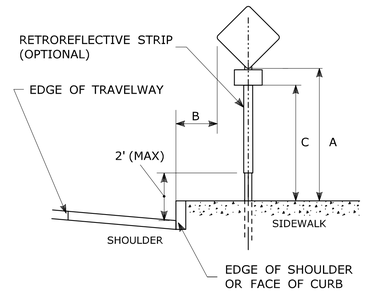
RETROREFLECTIVE STRIP DETAIL

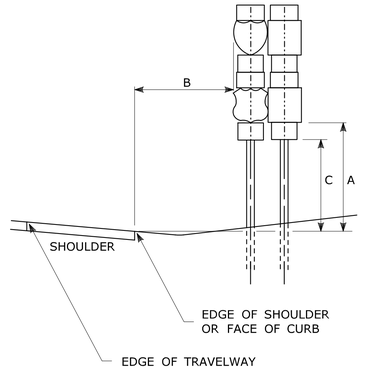
NOTES:

RETROREFLECTIVE STRIPS WHICH ARE 48 IN LONG OR LESS SHALL BE ATTACHED USING 2 BOLTS AND RETROREFLECTIVE STRIPS OVER 48 IN LONG SHALL BE ATTACHED USING 3 BOLTS AS SHOWN ON THE DETAILS ABOVE.
REFER TO STANDARD SHEET No. TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR MOUNTING DETAILS.

RETROREFLECTIVE STRIP COLOR SHALL MATCH THE BACKGROUND COLOR OF THE SIGN, EXCEPT THAT THE COLOR OF THE STRIP FOR "YIELD" AND "DO NOT ENTER" SIGNS SHALL BE RED.







TYPICAL SIGN PLACEMENT DETAIL

NOTES:

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY.

REFER TO STANDARD SHEET No. TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS AND SIGN MOUNTING.

IF A RETFOREFLECTIVE STRIP IS USED ON SIGN SUPPORT, IT SHALL BE PLACED FOR THE FULL LENGTH OF THE SUPPORT FROM THE BOTTOM OF THE SIGN TO WITHIN 2 FT ABOVE THE EDGE OF THE ROADWAY.

PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

DIM."A" MIN SIGN HEIGHT	DIM."B" MIN LATERAL OFFSET ①	DIM."C" MIN PLAQUE HEIGHT ①	ASSEMBLY LOCATION
7' ②	6' 12' ③	5'	SIGNS ON FREEWAYS AND EXPRESSWAYS EXCEPT CHEVRON ALIGNMENT SIGNS, ONE-DIRECTION LARGE ARROW SIGNS, DO NOT ENTER SIGNS, AND WRONG WAY SIGNS
5'	2'	4'	• SIGNS IN RURAL AREAS • DO NOT ENTER AND WRONG WAY SIGNS ALONG EXIT RAMPS • DO NOT ENTER AND WRONG WAY SIGNS ON LIMITED ACCESS HIGHWAYS
5'	2'	N/A	• CHEVRON ALIGNMENT SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS • ONE-DIRECTION LARGE ARROW SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS
4'	6' 12' ③	N/A	INCIDENT MANAGEMENT SIGNS AND MILE POST MARKER ASSEMBLIES LOCATED ON FREEWAYS AND EXPRESSWAYS
4'	2'	4'	CENTRAL ISLANDS OF ROUNDABOUTS
7'	2' ④	6'	BUSINESS & RESIDENTIAL AREAS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY
7'	2' ④	7'	SIDEWALKS ⑤

① OR AS DIRECTED BY THE ENGINEER

② 8 FT MINIMUM HEIGHT REQUIRED IF A SUPPLEMENTAL PLAQUE IS SUBMOUNTED BELOW THE MAJOR SIGN.

③ 6 FT FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6 FT WIDE
12 FT FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6 FT WIDE.

④ A LATERAL OFFSET OF AT LEAST 1 FT FROM THE FACE OF THE CURB MAY BE USED WHERE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING UTILITY POLES ARE CLOSE TO THE CURB.

⑤ A CLEAR PATH OF NOT LESS THAN 4 FT SHALL BE PROVIDED IN SIDEWALK AREAS.

REV.	DATE	REVISION DESCRIPTION
3	8-2018	INCLUDED INCIDENT MANAGEMENT AND MILE MARKER SIGNS.
2	4-2017	MINOR REVISIONS.
1	2-2011	MINOR REVISIONS.

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.

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR_1208_01_1_2018.dgn Model: TR-1208_01

SUBMITTED BY: NAME/DATE/TIME: Mark F. Makuch, P.E. 2018.08.17 09:06:06-04'00'

APPROVED BY: NAME/DATE/TIME: Mark F. Carlino, P.E. 2018.08.21 07:48:06-04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

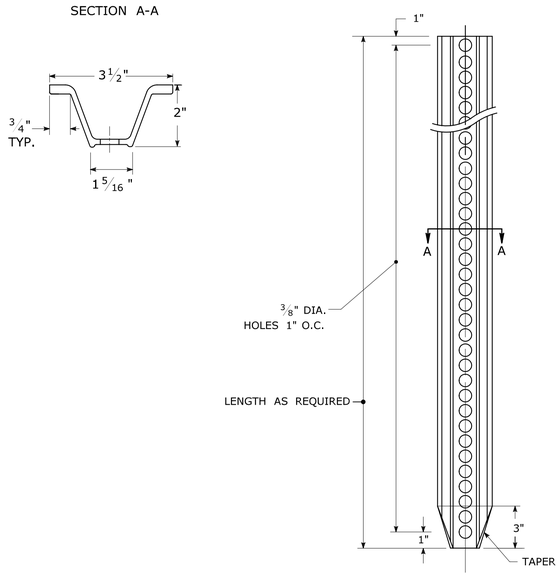
STANDARD SHEET TITLE:

SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS

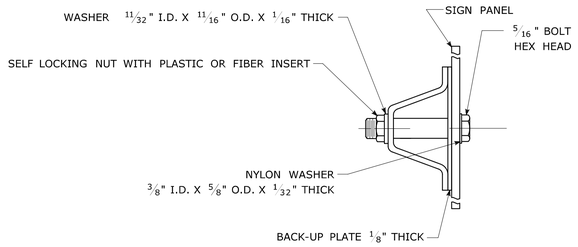
STANDARD SHEET NO.:

TR-1208_01

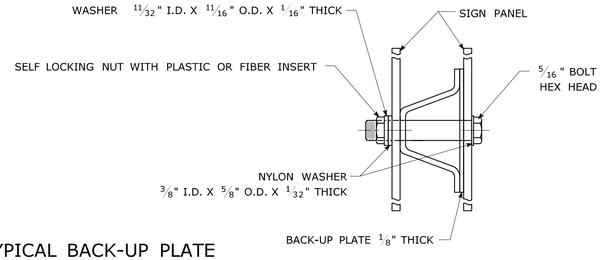
TYPICAL METAL SIGN POSTS



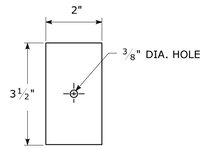
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



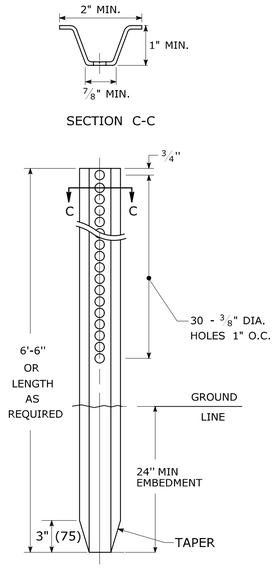
TYPICAL BACK-UP PLATE



BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240, (ALLOY TYPES 304 OR 316).

METAL DELINEATOR POST

WT./FT. = 1.12 LBS./FT. MIN.

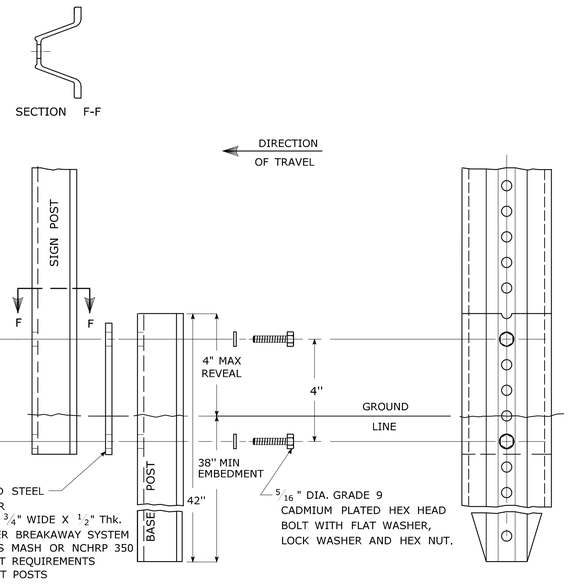


GENERAL NOTES:

1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
3. WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
4. SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
5. ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
6. ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 mph WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
7. SIGN POSTS SHALL BE 4 LBS./FT.

BREAKAWAY INSTALLATION

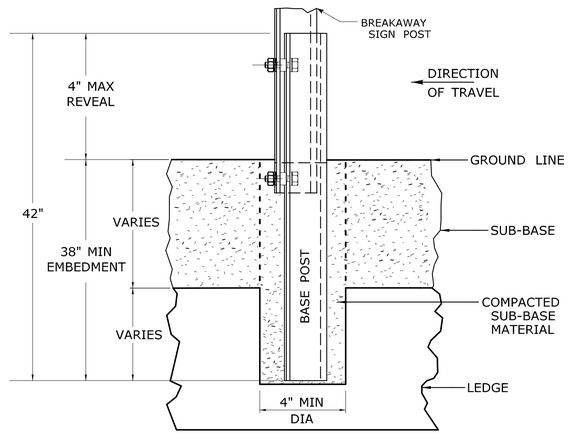
FOR 4 LBS./FT. POSTS



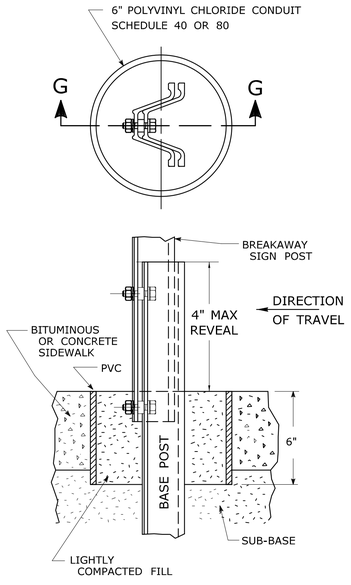
TYPICAL SIGN POST INSTALLATION IN LEDGE

LEDGE SHALL BE REMOVED TO DRIVE THE BASE POST TO A DEPTH OF 38".

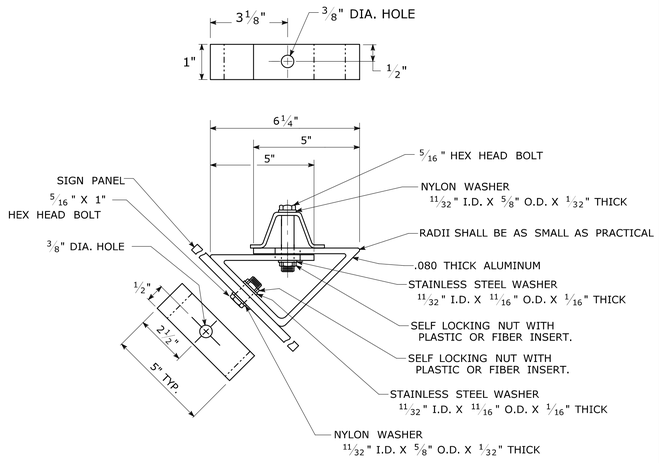
HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



TYPICAL SLEEVE FOR PAVED AREAS



45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS



REV.	DATE	REVISION DESCRIPTION
2	6-2017	SIGN POST REVISIONS.
1	2-2011	MINOR REVISIONS.

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.

Plotted Date: 6/6/2017

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1208_02_May_2017_Revision.dgn Model: TR-1208_02

SUBMITTED BY:	NAME/DATE/TIME:
Mark Makuch	Mark F. Makuch, P.E. 2017.06.07 07:30:30-04'00'
Mary E. Baker	Mary E. Baker, P.E. 2017.06.13 15:28:14-04'00'
APPROVED BY:	NAME/DATE/TIME:
Gregory M. Dorosh	Gregory M. Dorosh, P.E. 2017.06.15 09:27:29-04'00'

CTDOT STANDARD SHEET

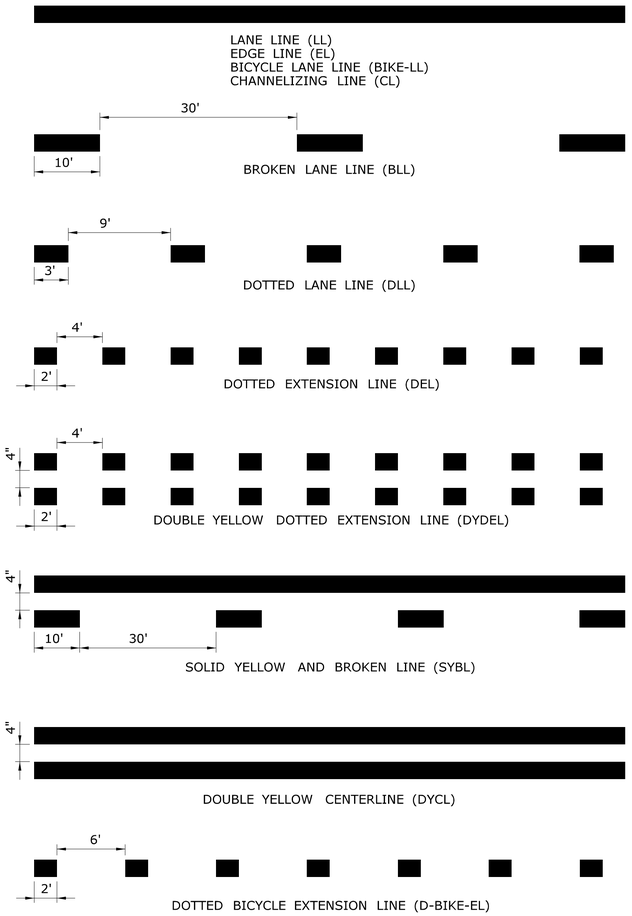
OFFICE OF ENGINEERING

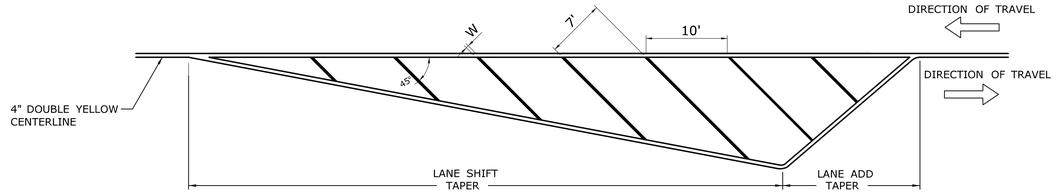
STANDARD SHEET TITLE:

METAL SIGN POSTS AND SIGN MOUNTING DETAILS

GUIDE SHEET NO.:

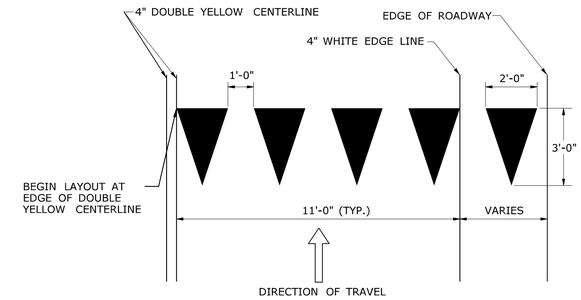
TR-1208_02



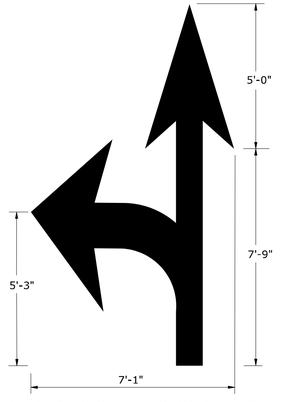


CROSS HATCHED ISLAND DETAIL
(YELLOW)

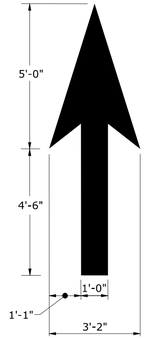
W IS TO BE 6" WHEN POSTED SPEED ≤ 45 MPH
W IS TO BE 12" WHEN POSTED SPEED > 45 MPH
CROSS HATCHED ISLANDS ARE TO BE INSTALLED WHERE CALLED FOR ON THE PLANS



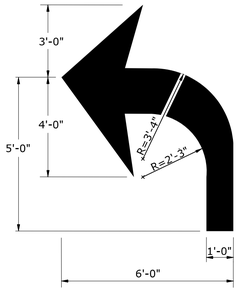
YIELD LINE DETAIL
(WHITE)



REFER TO ADJACENT VIEWS FOR DIMENSIONING
27.0 S.F.



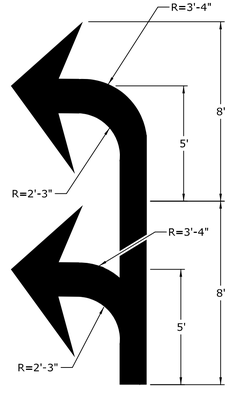
12.5 S.F.



15.5 S.F.

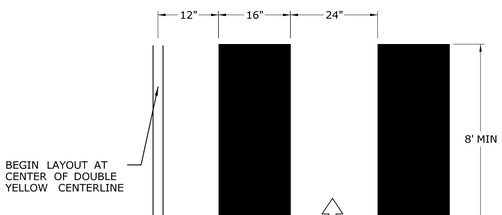
27.0 S.F.
LEFT & RIGHT
ARROW COMBO

38.5 S.F.
3 WAY ARROW
COMBO



35 S.F.
DOUBLE LEFT
ARROW

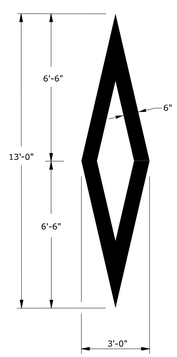
PAVEMENT ARROW DETAILS
(WHITE)
ARROWS SHALL BE CENTERED IN TRAVEL LANE



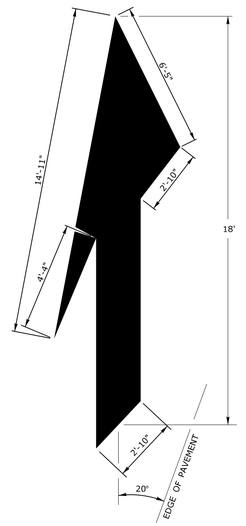
CROSSWALK DETAIL
(WHITE)

NOTES :

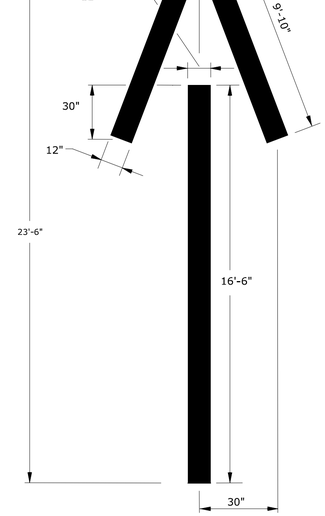
1. AREA OF PAVEMENT MARKINGS AS INDICATED IS APPROXIMATE.
2. RIGHT TURN PAVEMENT MARKING ARROWS ARE MIRROR IMAGE OF LEFT TURN PAVEMENT MARKING ARROWS.



WHITE PREFERENTIAL
LANE SYMBOL
13.0 S.F.



WHITE LANE
REDUCTION ARROW
41.8 S.F.



WHITE WRONG WAY
PAVEMENT ARROW
36.2 S.F.

REV.	DATE	REVISION DESCRIPTION
1	8-2018	REMOVED ROUNDABOUT MARKINGS.

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.

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_04.dgn Model: CT_Civil_2D_Sheet

SUBMITTED BY:	NAME/DATE/TIME:
Mark Makuch	Mark F. Makuch, P.E. 2018.08.17 09:07:44-04'00'
APPROVED BY:	NAME/DATE/TIME:
	Mark F. Carlino, P.E. 2018.08.21 07:48:45-04'00'

CTDOT
STANDARD SHEET

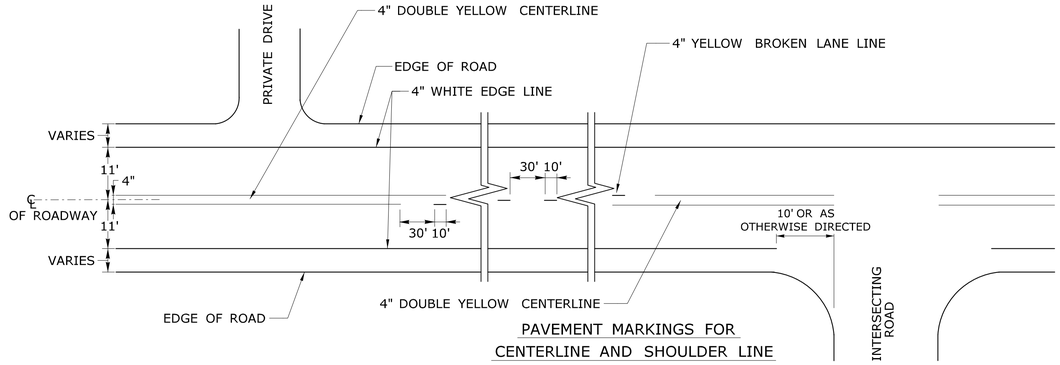
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

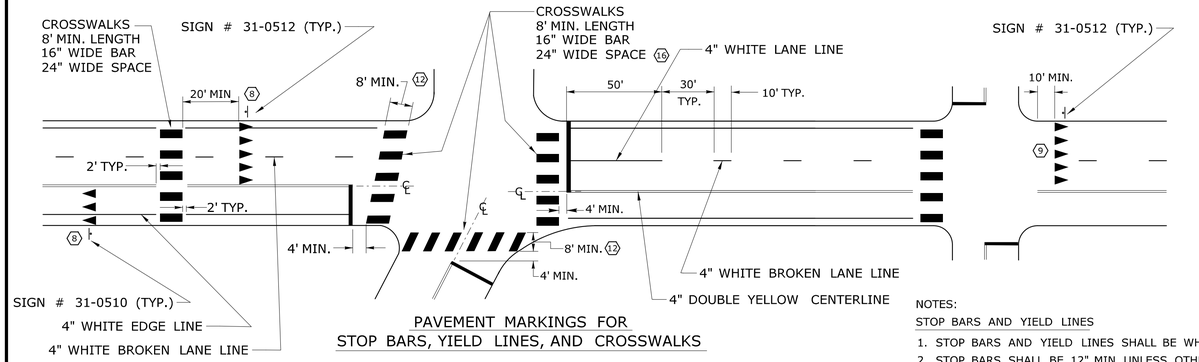
PAVEMENT MARKING LINES AND SYMBOLS

STANDARD SHEET NO.:

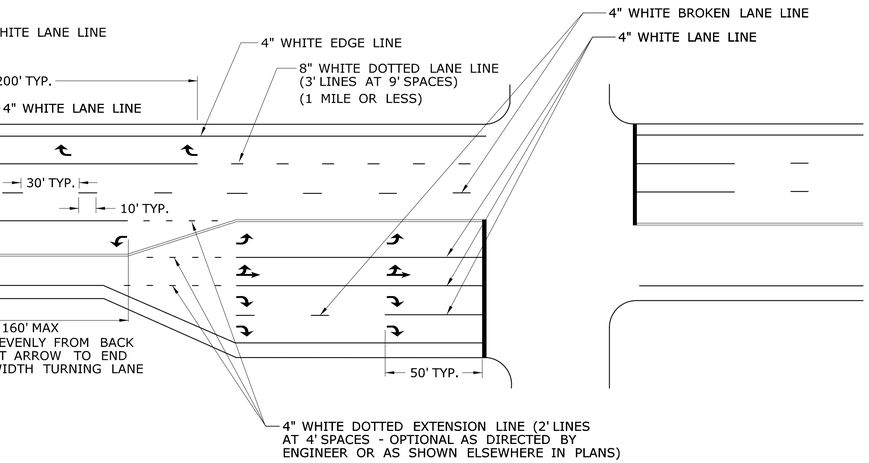
TR-1210_04



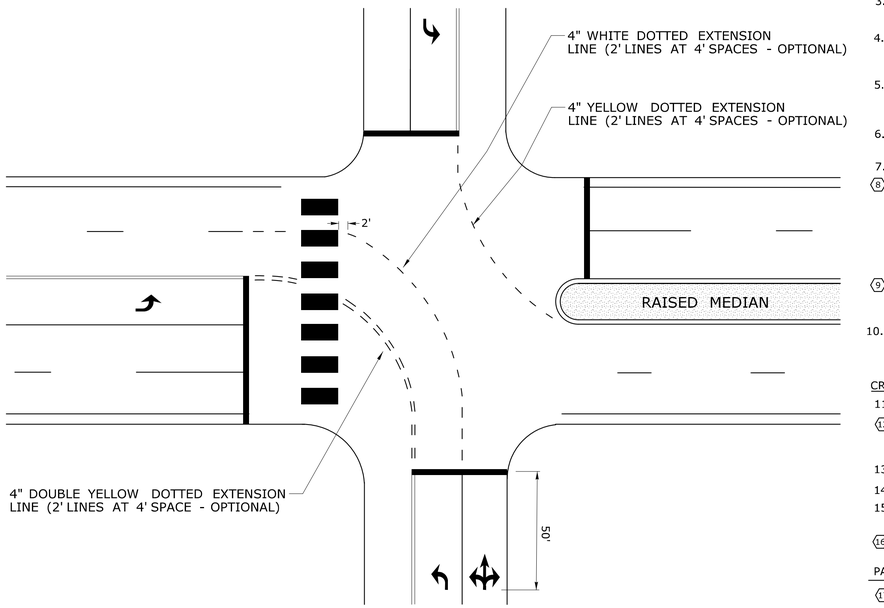
PAVEMENT MARKINGS FOR
CENTERLINE AND SHOULDER LINE



PAVEMENT MARKINGS FOR
STOP BARS, YIELD LINES, AND CROSSWALKS



PAVEMENT MARKINGS FOR TURNING LANES
AND ROAD LANE-DROP



TURNING EXTENSIONS

NOTES:

STOP BARS AND YIELD LINES

1. STOP BARS AND YIELD LINES SHALL BE WHITE.
2. STOP BARS SHALL BE 12" MIN. UNLESS OTHERWISE NOTED ON PLANS.
3. STOP BARS TO BE PLACED A MINIMUM OF 4' IN ADVANCE OF THE NEAREST EDGE OF CROSSWALK AND SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY.
4. IN THE ABSENCE OF A MARKED CROSSWALK THE STOP BAR SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY, AT THE DESIRED STOPPING POINT AT LEAST 5' AND NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY.
5. THE STOP SIGN SHOULD BE PLACED IN LINE WITH THE STOP BAR. HOWEVER, IF THE STOP SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO STOP, THE STOP BAR SHOULD BE PLACED AT THE STOPPING POINT.
6. FOR STOP BARS AT RAMPS SEE DETAILS "R", "S", "T", & "U" AND NOTES ON TRAFFIC STANDARD SHEET TR-1210 07 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS EXIT RAMPS".
7. FOR YIELD LINE INSTALLATIONS, ONLY FULL TRIANGLES ARE TO BE INSTALLED.

(8) MID-BLOCK CROSSWALKS ARE CROSSWALKS LOCATED MORE THAN 50 FEET FROM A SIGNALIZED OR UNSIGNALIZED INTERSECTION. YIELD LINES ASSOCIATED WITH MIDBLOCK CROSSWALKS SHALL BE INSTALLED AND SHOULD BE LOCATED 20 TO 50 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE OR AS DIRECTED BY THE ENGINEER.
WHERE A YIELD LINE EXISTS ON AN APPROACH TO A CROSSWALK, THE APPROAPRIATE "YIELD TO PEDESTRIANS" SIGN IS REQUIRED.

(9) FOR CROSSWALKS AT UNSIGNALIZED INTERSECTIONS WITH MINOR STREET STOP CONTROL, YIELD LINES SHALL BE INSTALLED ON MULTI-LANE APPROACHES, BUT NOT SINGLE LANE APPROACHES.

10. THE YIELD SIGN SHOULD BE PLACED IN LINE WITH A YIELD LINE. HOWEVER, IF THE YIELD SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO YIELD, THE YIELD LINE SHOULD BE PLACED AT THE YIELDING POINT.

CROSSWALKS

11. CROSSWALK MARKINGS SHALL BE WHITE.

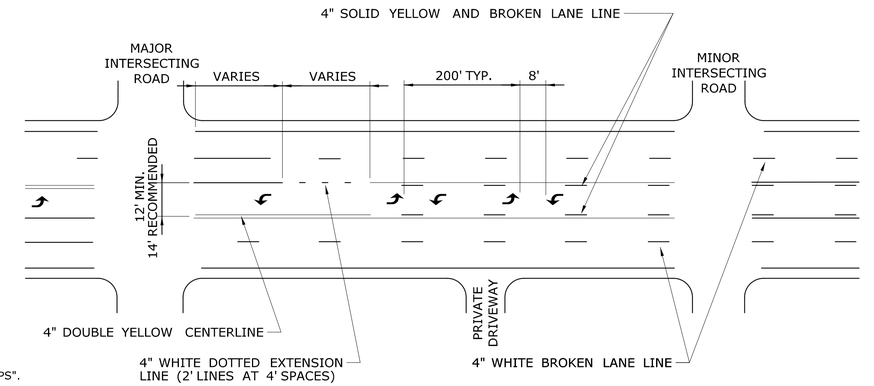
(12) AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.

13. BARS SHOULD BE NO CLOSER THAN 1' FROM EDGE OF ROAD.
14. ONLY FULL LENGTH BARS ARE TO BE INSTALLED.
15. DECORATIVE CROSSWALKS SHALL BE BANDED FROM CURB TO CURB WITH A MINIMUM 12" WIDE WHITE TRANSVERSE LINE ALONG EACH EDGE.

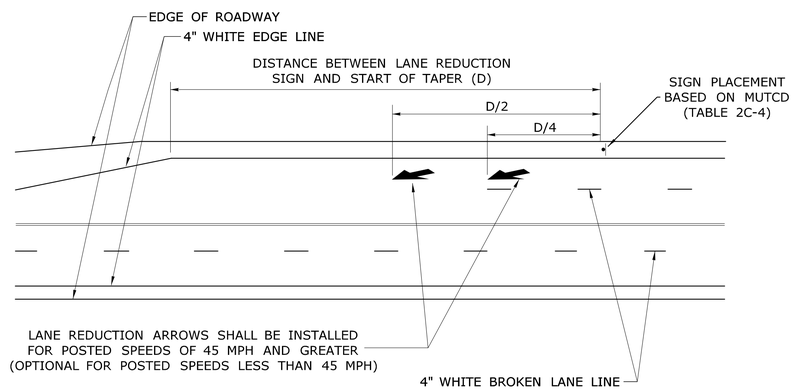
(16) 24" WIDE SPACE TO BE CENTERED ON YELLOW CENTERLINE.

PAVEMENT MARKINGS FOR TURNING LANES

(17) INSTALL AT LEAST TWO ARROWS PER LANE WHERE STORAGE LENGTH IS GREATER THAN 150 FEET.



TWO-WAY LEFT-TURN MARKINGS APPLICATIONS



LANE REDUCTION TRANSITIONS

REV.	DATE	REVISION DESCRIPTION
1	8-2018	REVISED YIELD LINE SIGNAGE AND NOTES.

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.

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1210_08.DGN Model: TR-1210_05

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17 09:10:18-04'00'

APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:49:18-04'00'

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
PAVEMENT MARKINGS
FOR NON FREEWAYS

STANDARD SHEET NO.:
TR-1210_08

E5 - SERIES

E5-1

COPY & BORDER - WHITE
BACKGROUND - GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	51-6147	2

16 - SERIES

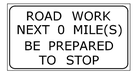
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-M	5.0	30X24	80-1613	1
16-H	17.5	60X42	80-1608	2
16-E	35.0	84X60	80-1605	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-S	10.0	48X30	80-1619	2

G20 - SERIES

G20-2a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
8.0	48X24	80-9612	2



VARIABLE MILEAGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
90.0	120X108	80-9728	

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9711	1
16.0	48	80-9712	2

VARIABLE MILEAGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
7.0	72X14	80-9720	

VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	50-5934	2

M4 - SERIES

M4-8

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9707	1

M4-9b

VARIABLE ARROW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	30X24	80-9703	1

M4-8a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.0	24X18	80-9708	1

M4-9b

VARIABLE ARROW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
6.25	30X30	80-9706	1

M4-10

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
6.0	48X18	80-9701R	2
6.0	48X18	80-9702L	2

VARIABLE ARROW

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	30X24	80-9710	1

R1 - SERIES

R1-1

COPY & BORDER - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.19	30	31-0552	1
13.30	48	31-0557	2

R1-2

COPY & BORDER - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.90	36	31-0523	1
10.83	60	31-0528	2

R4 - SERIES

R4-7

COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	24X30	31-1526	1

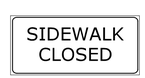
R4-9

COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
5.0	24X30	31-1517	1
12.0	36X48	31-1518	1
20.0	48X60	31-1519	2

R9 & R11 - SERIES

R9-9



COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.75	30X18	80-9076	1

R11-3a

VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.5	60X30	80-9077	2

R9-11

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.0	24X18	80-9074	1

R11-3b

VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

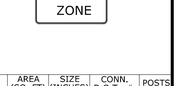
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.5	60X30	80-9078	2

R9-11a

VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9075	1

R11-3b



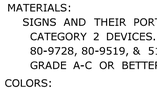
COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.5	60X30	80-9081	2

R11-2

COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
10.0	48X30	80-9080	2

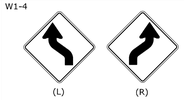


COPY & BORDER - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
22.5	60X54	31-1907	2

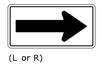
W1 - SERIES

W1-4



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9432L	1
9.0	36	80-9431R	1
16.0	48	80-9452L	2
16.0	48	80-9451R	2

W1-6



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
8.0	48X24	80-9424	2
12.5	60X30	80-9423	2

W1-8

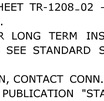
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
3.0	18X24	80-9401	1
5.0	24X30	80-9403	1
7.5	30X36	80-9404	1

BOTH LANES SHIFT LEFT / BOTH LANES SHIFT RIGHT

(L) (R)

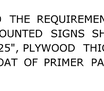
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9433L	2
16.0	48	80-9435R	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9434L	2
16.0	48	80-9436R	2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
25.0	60	80-9443L	2
25.0	60	80-9445R	2

W1-4b



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
25.0	60	80-9444L	2
25.0	60	80-9446R	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
25.0	60	80-9483L	2
25.0	60	80-9485R	2

W1-4c

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
25.0	60	80-9484L	2
25.0	60	80-9486R	2

W3 - SERIES

W3-1

OCTAGON - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9050	1
16.0	48	80-9051	2

W3-2

TRIANGLE - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9054	1
16.0	48	80-9055	2

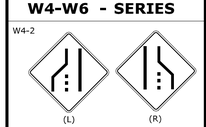
W3-3

TOP CIRCLE - RED
MIDDLE CIRCLE - YELLOW
BOTTOM CIRCLE - GREEN
COPY & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9052	1
16.0	48	80-9053	2

W4-W6 - SERIES

W4-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9918L	2
16.0	48	80-9917R	2

W6-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9945	2

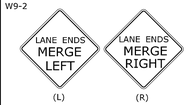
W8-W9 - SERIES

W8-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9901	1
16.0	48	80-9902	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9801	1
16.0	48	80-9802	2

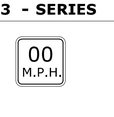
W9-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9910L	2
16.0	48	80-9911R	2

W13 - SERIES

W13-1



SUBPLATE
VARIABLE SPEED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
4.0	24	80-9569	1
6.25	30	80-9567	1

VARIABLE SPEED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9506	1
16.0	48	80-9508	2

W3-5

VARIABLE SPEED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9520	1
16.0	48	80-9521	2

W16 - SERIES

W16-15P

COPY & BORDER - BLACK
BACKGROUND - ORANGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9049	

W20 - SERIES

W20-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
6.25	30	80-9602	1
9.0	36	80-9603	1
16.0	48	80-9604	2

W20-1

VARIABLE DISTANCE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9614	1
16.0	48	80-9615	2

W20-2

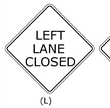
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9805	1
16.0	48	80-9806	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9834	1
16.0	48	80-9835	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L) 16.0	48	80-9836	2
(R) 16.0	48	80-9839	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L) 16.0	48	80-9837	2
(R) 16.0	48	80-9838	2

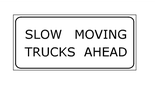
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L) 16.0	48	80-9847	2
(R) 16.0	48	80-9848	2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L) 16.0	48	80-9846	2
(R) 16.0	48	80-9849	2

W20-7a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9803	1
16.0	48	80-9804	2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
32.0	96X48	80-9815	2

W16-9P

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.0	24X12	80-9870	
3.75	30X18	80-9871	

W16-3aP

VARIABLE MILEAGE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.5	30X12	80-9872	
4.5	36X18	80-9873	

W21 - SERIES

W21-6

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9607	1

W22 - SERIES

W22-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9620	1
16.0	48	80-9625	2

W22-2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
10.5	42X36	80-9623	2

W22-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
10.5	42X36	80-9621	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
4.17	60X10	80-9913	2
12.0	96X18	80-9914	2
3.33	48X10	80-9916	2

BLANK OR
VARIABLE LEGEND

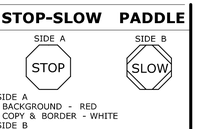
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
9.0	36	80-9933	1
16.0	48	80-9934	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16.0	48	80-9956	2

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
12.5	60X30	80-9928	2
24.0	72X48	80-9929	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(1)	16.0	48	80-9957	2
(2)	9.0	36	80-9958	1
(2)	16.0	48	80-9959	2

STOP-SLOW PADDLE



SIDE A
BACKGROUND - RED
COPY & BORDER - WHITE
SIDE B
BACKGROUND - ORANGE
COPY & BORDER - BLACK PLAIN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
2.25	18	80-9950	PADDLE

NOTES:
1. R1-SERIES SIGN THE LEGEND "O.S.T.A." SHALL APPEAR.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
3. POSTS SHALL BE 4 LBS./FT.
4. ALL POSTS NOTED ARE FOR LONG TERM INSTALLATION. SEE STANDARD SHEET TR-1208_02.
5. FOR TEMPORARY SUPPORTS SEE STANDARD SHEET TR-1220_02 - "CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES".
6. FOR SPECIFIC SIGN DESIGN, CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
7. ALL CONSTRUCTION SIGNS TO BE PAID FOR UNDER THE CONSTRUCTION SIGNS ITEM IN THE CONTRACT.
8. MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.

MATERIALS:
SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES. ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE .100" EXCEPT SIGN #s. 80-1605, 80-9914, 80-9815, 80-9728, 80-9519, & 51-6147 (L OR R) WHICH SHALL BE .125", PLYWOOD THICKNESS FOR POST MOUNTED SIGNS SHALL BE 1/2" EXTERIOR GRADE A-C OR BETTER. SIGN BLANKS SHALL HAVE ONE COAT OF PRIMER PAINT PRIOR TO APPLICATION OF RETROREFLECTIVE SHEETING & COPY.

COLORS:
BACKGROUND - FLUORESCENT ORANGE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS WITH FLUORESCENT ORANGE BACKGROUND TO USE TYPE VIII RETROREFLECTIVE SHEETING.
ALL OTHER SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION
6	8-2018	REVISED POST REQUIREMENTS AND SHEETING TYPE.
5	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
4	6-2012	REVISED NOTE #1 TO REFERENCE "O.S.T.A."
3	4-2012	REVISED NEW SIGNAL SIGN(S) TO CONFORM TO 2009 MUTCD.
2	2-2011	MINOR REVISIONS.
1	3-2010	REMOVED OBSOLETE SIGNS (50-5925, 50-5935).

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.

Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1220_01_1_2018.dgn Model: TR-1220_01

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17
09:11:08-04'00'

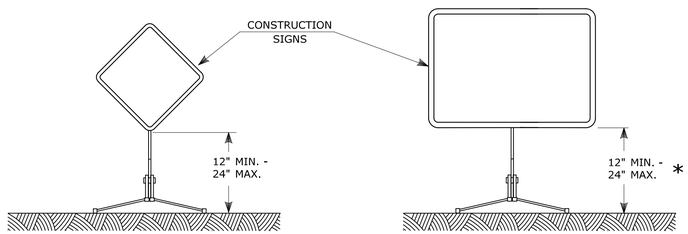
APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:49:34-04'00'

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS

STANDARD SHEET NO.:
TR-1220_01

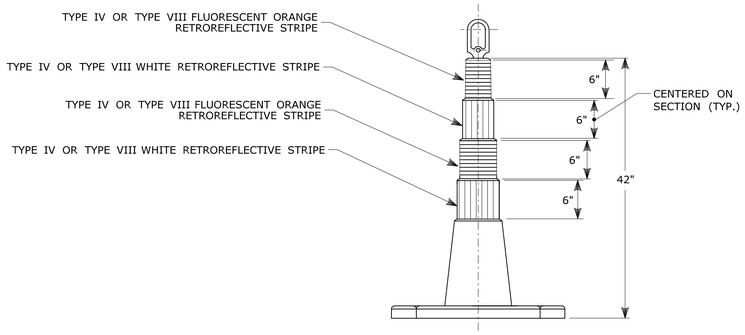


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

1. SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
4. PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
5. PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220_01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

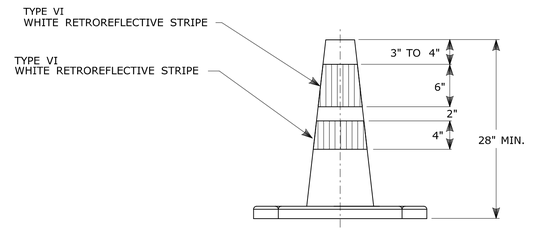
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

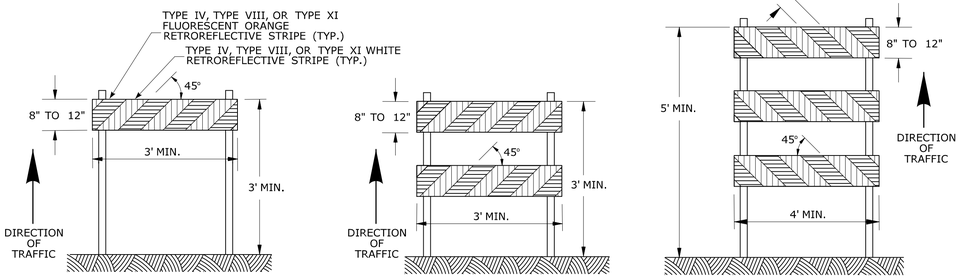
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



TRAFFIC CONE

NOTES:

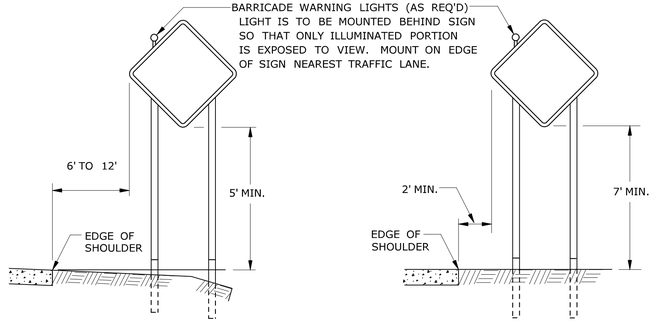
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. THE ENTIRE AREA OF WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
6. TRAFFIC CONES NOT USED AT NIGHT MAY UTILIZE TYPE III SHEETING.
7. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



CONSTRUCTION BARRICADES

NOTES:

1. CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
2. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE FLUORESCENT ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
3. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
6. SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.

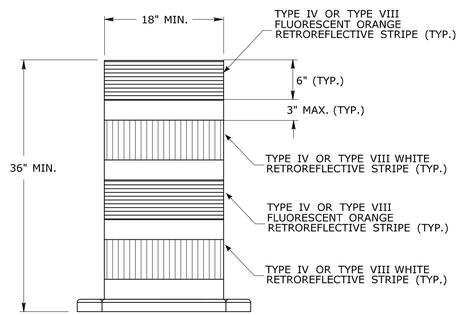


PLACEMENT OF CONSTRUCTION SIGNS
TYPICAL LONG TERM INSTALLATION

NOTES:

SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.

REFER TO STANDARD SHEETS:
TR-1208_01 - "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS."
TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."



TRAFFIC DRUM
FRONT VIEW

NOTES:

1. TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
4. THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

REV.	DATE	REVISION DESCRIPTION
3	8-2018	UPDATED SHEETING TYPE AND COLOR.
2	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
1	2-2011	MINOR REVISIONS.

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Plotted Date: 8/10/2018

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: TR-1220_02_3_2018.dgn Model: TR-1220_02

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2018.08.17 09:12:43-04'00'

APPROVED BY: NAME/DATE/TIME:
Mark F. Carlino, P.E.
2018.08.21 07:49:51-04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

STANDARD SHEET NO.:
TR-1220_02