

DESIGN DOCUMENTS FOR ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CONNECTICUT STATE PROJECT No. L027-0001

FINAL DESIGN SUBMISSION FEBRUARY 08, 2023

Revised March 26, 2024



PROJECT LOCATION MAP
1"=500'

2020 SPECIFICATIONS, 818 INCLUDING SUPPLEMENTS THERETO DATED.

SURVEY WAS PERFORMED BY GESICK & ASSOCIATES P.C. UTILIZING THE CONNECTICUT GRID SYSTEM NAD 83.
ALL ELEVATIONS REFER TO NAVD 1988 DATUM.

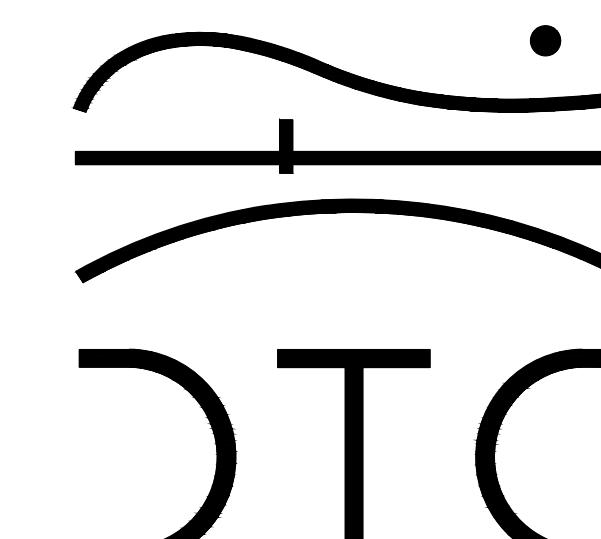
THE LOCATIONS OF ALL UTILITIES HEREON ARE BASED ON THE BEST AVAILABLE DATA, THE LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" 1-800-922-4455 AND HAVE ALL UTILITIES MARKED ON THE GROUND.

FROM STA. 116+00 TO STA. 140+00
2,400 FT.
DESIGN SCALES PLAN 1 IN.= 20 FT.
PROFILE HOR. 1 IN.= 20 FT. VERT. 1 IN. = 2FT.
CROSS SECTIONS 1 IN.= 5 FT.
OTHER SCALES AS NOTED

X
RICHARD BROWN
TOWN MANAGER

TODD HAJEK
DIRECTOR OF PUBLIC WORKS

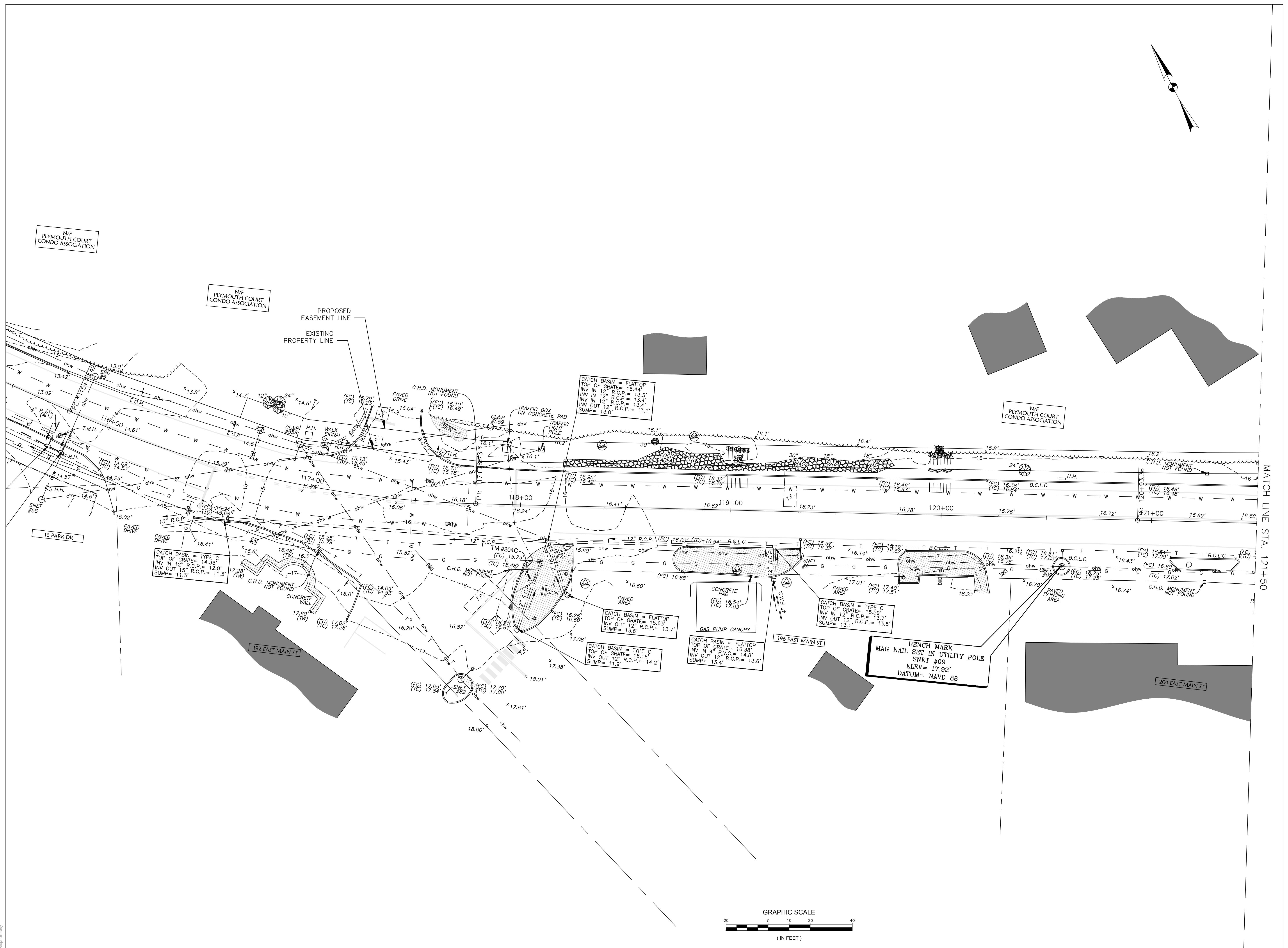
(TO BE MAINTAINED BY TOWN OF CLINTON)



2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
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www.teamdtc.com

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DT.01 to DT.09	CTDOT SIDEWALK RAMP DETAIL SHEETS
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DT.11	CTDOT BITUMINOUS CONCRETE CURBING DETAILS
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DT.15	CTDOT PAVEMENT MARKINGS FOR NON FREEWAY DETAILS
DT.16	CTDOT PAVEMENT MARKING LINE AND SYMBOL DETAILS
DT.17	CTDOT METAL SIGN POSTS AND SIGN MOUNTING DETAILS





OTES:

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**ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT**

DESIGN DOCUMENTS

EXISTING CONDITIONS

TC PROJECT NUMBER: 16-157-176

EC DRAWING FILE: EX.DWG

C DRAWING FILE: EX.DWG

SCALE: 1" = 20'

DATE: 03/06/2020

SHEET:

— 11 —

— 5 —

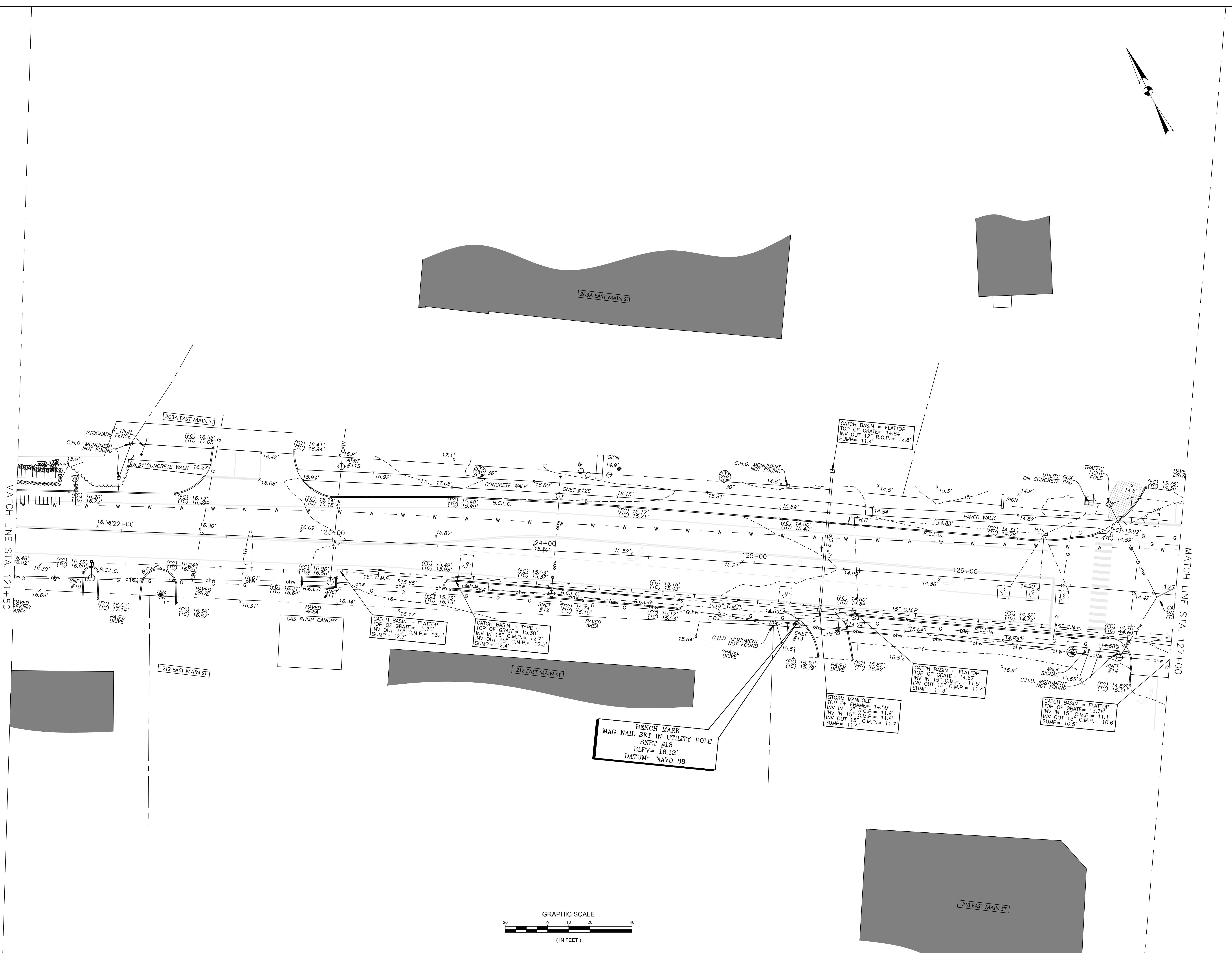
EX.0

ANSWER

1100 J. Neurosci., November 1, 2006 • 26(44):1092–1100

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FX 01



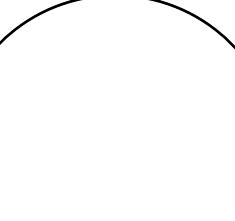
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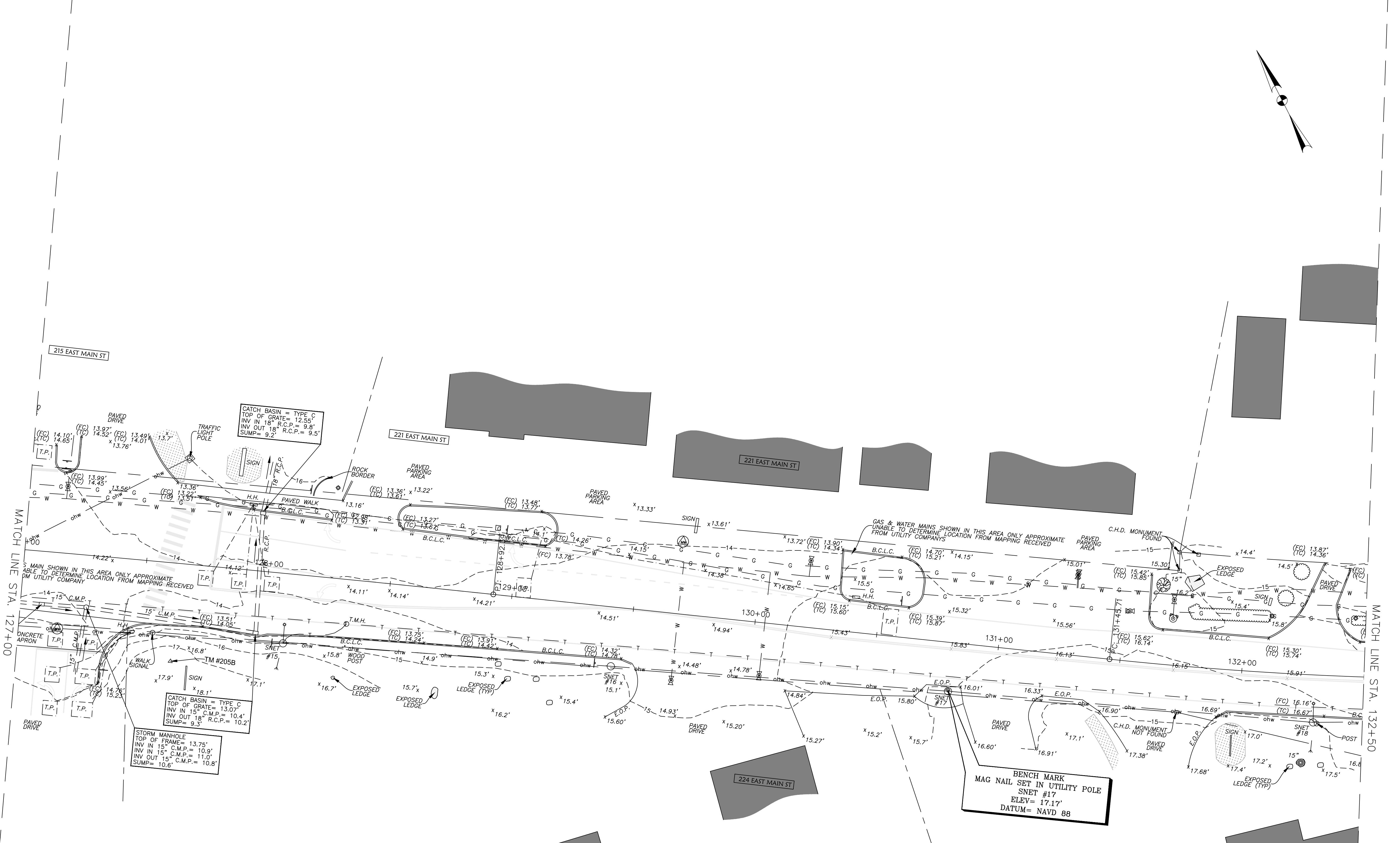
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**ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT**

DESIGN DOCUMENTS

DTC PROJECT NUMBER: 16-157-176	
DTC DRAWING FILE: EX.DWG	
SCALE: 1" = 20'	DRAWN BY: JL
DATE: 03/06/2020	CHECKED BY: --
	
SHEET: EX.02	



NOTES:

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ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

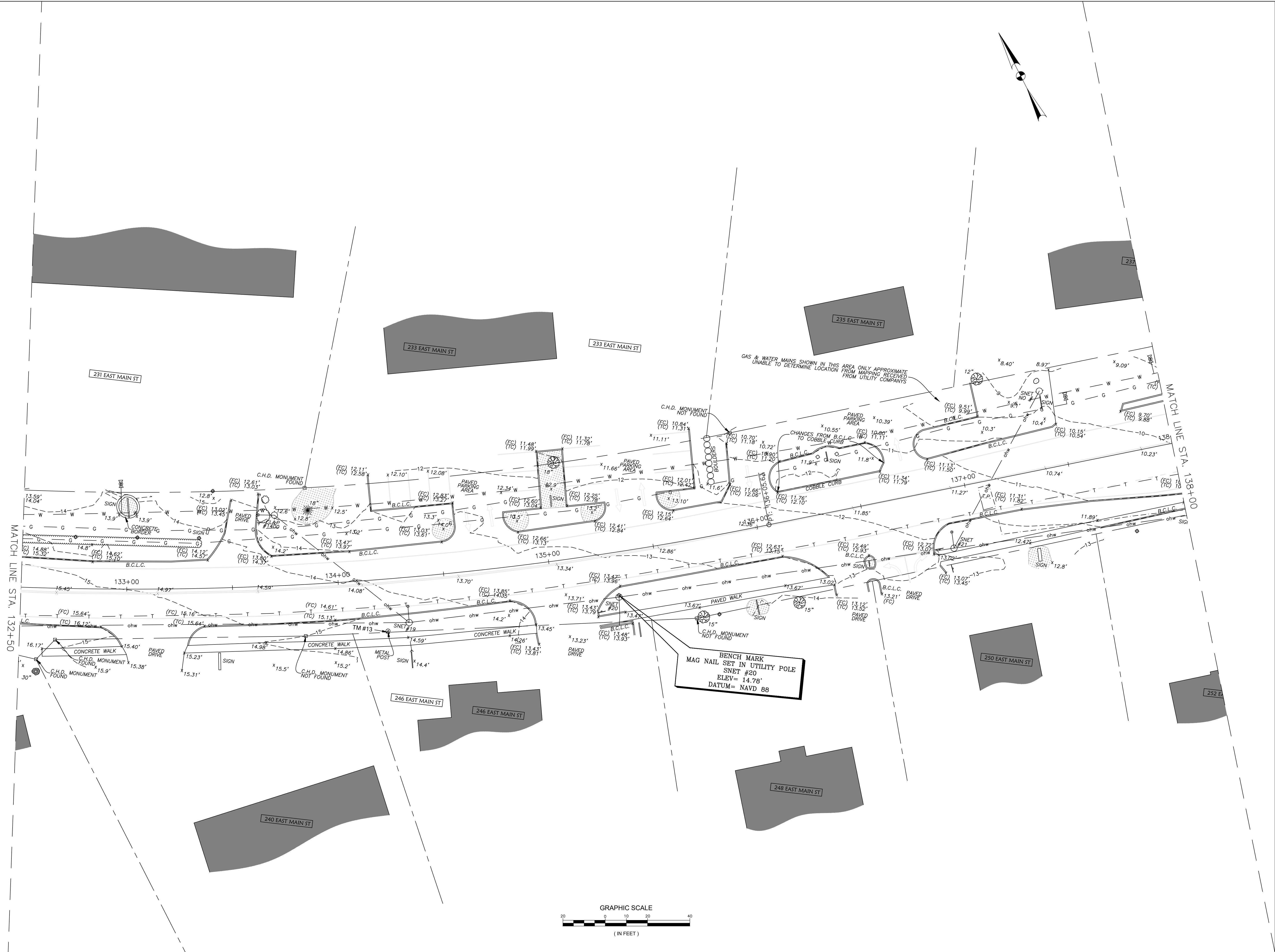
DESIGN DOCUMENTS

DTC PROJECT NUMBER: 16-157-176

DTC DRAWING FILE: EX.DWG

SCALE: 1" = 20'	DRAWN BY: JLW
DATE: 03/06/2020	CHECKED BY: --
	
SHEET:	

A large circle is positioned on the left side of the frame, centered within a square frame. On the right side, the text "EX.03" is displayed in a large, bold, black font. The background is white.



NOTES:

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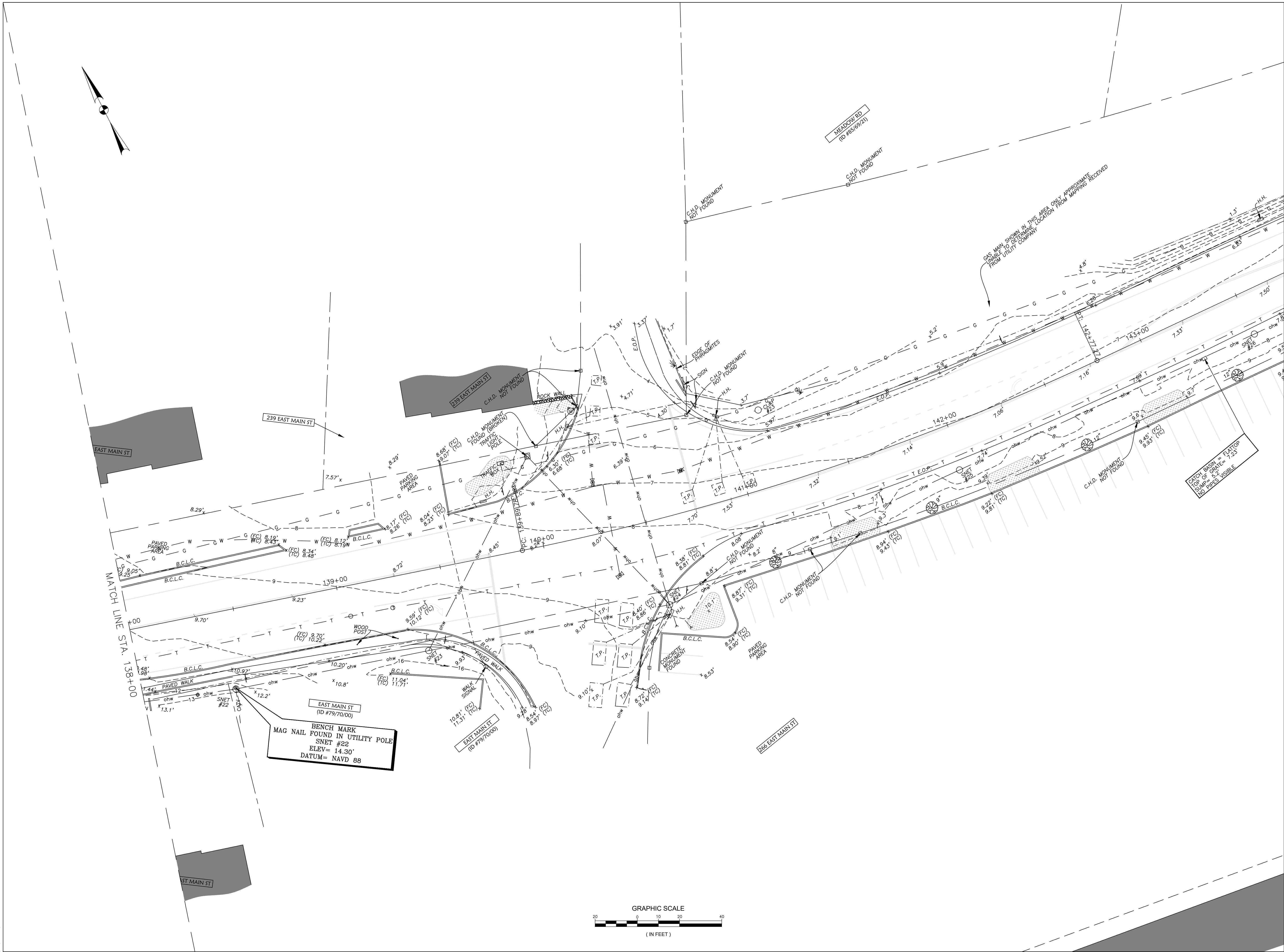
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ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS

DTC PROJECT NUMBER: 16-157-176

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DTC DRAWING FILE: EX.DWG	
SCALE: 1" = 20'	DRAWN BY: JLW
DATE: 03/06/2020	CHECKED BY: --
SHEET:	
EX.04	



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For more information, contact the Office of the Vice President for Research and the Office of the Vice President for Student Affairs.

ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS

OTC PROJECT NUMBER: 16-157-176
OTC DRAWING FILE: EX.DWG

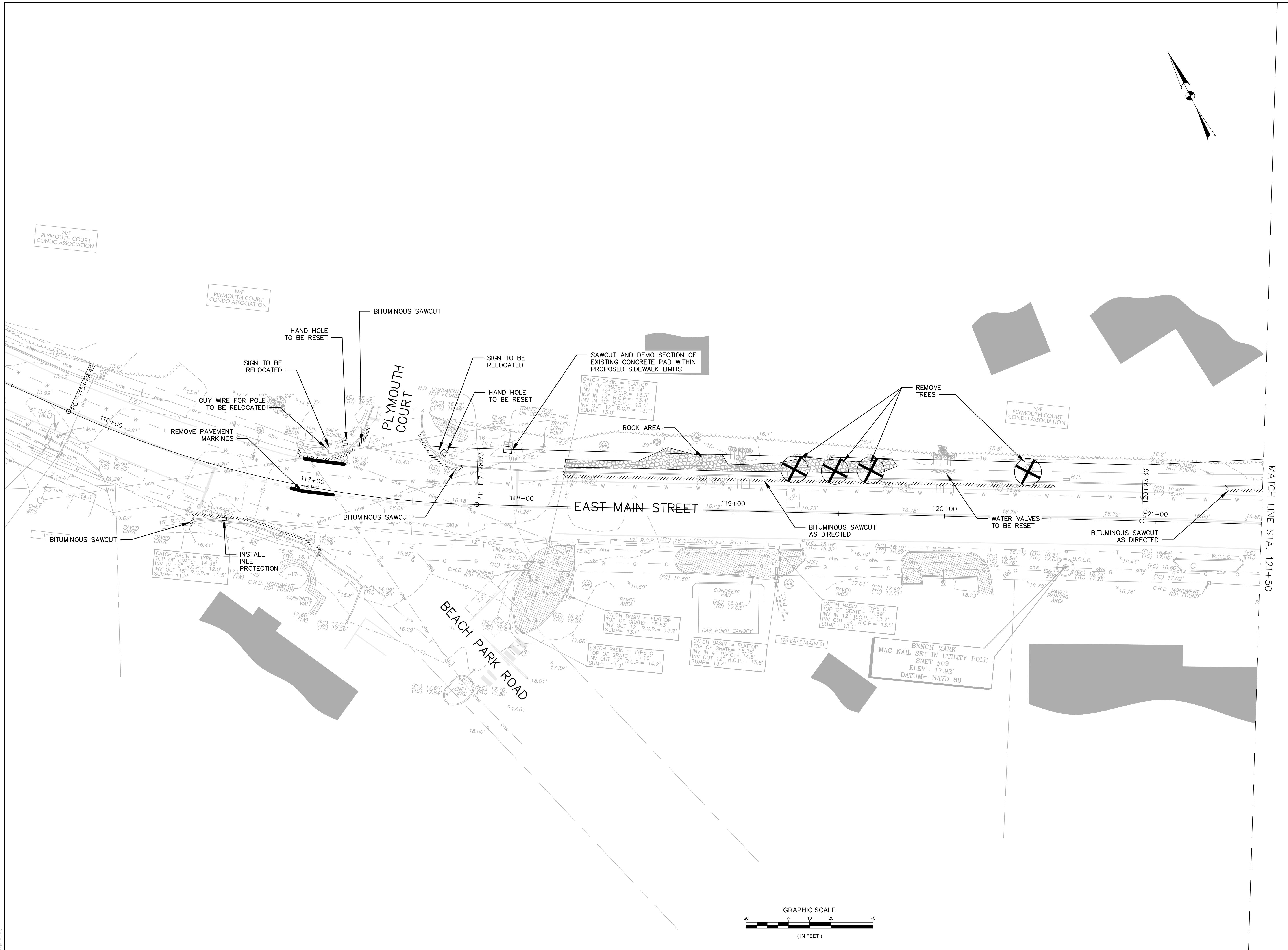
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SCALE: 1" = 20'	DRAWN BY: JLW
DATE: 03/06/2020	CHECKED BY: --

DATE: 06/06/2020	CHECKED BY:
SHEET:	

EX.05

ANSWER



NOTES:

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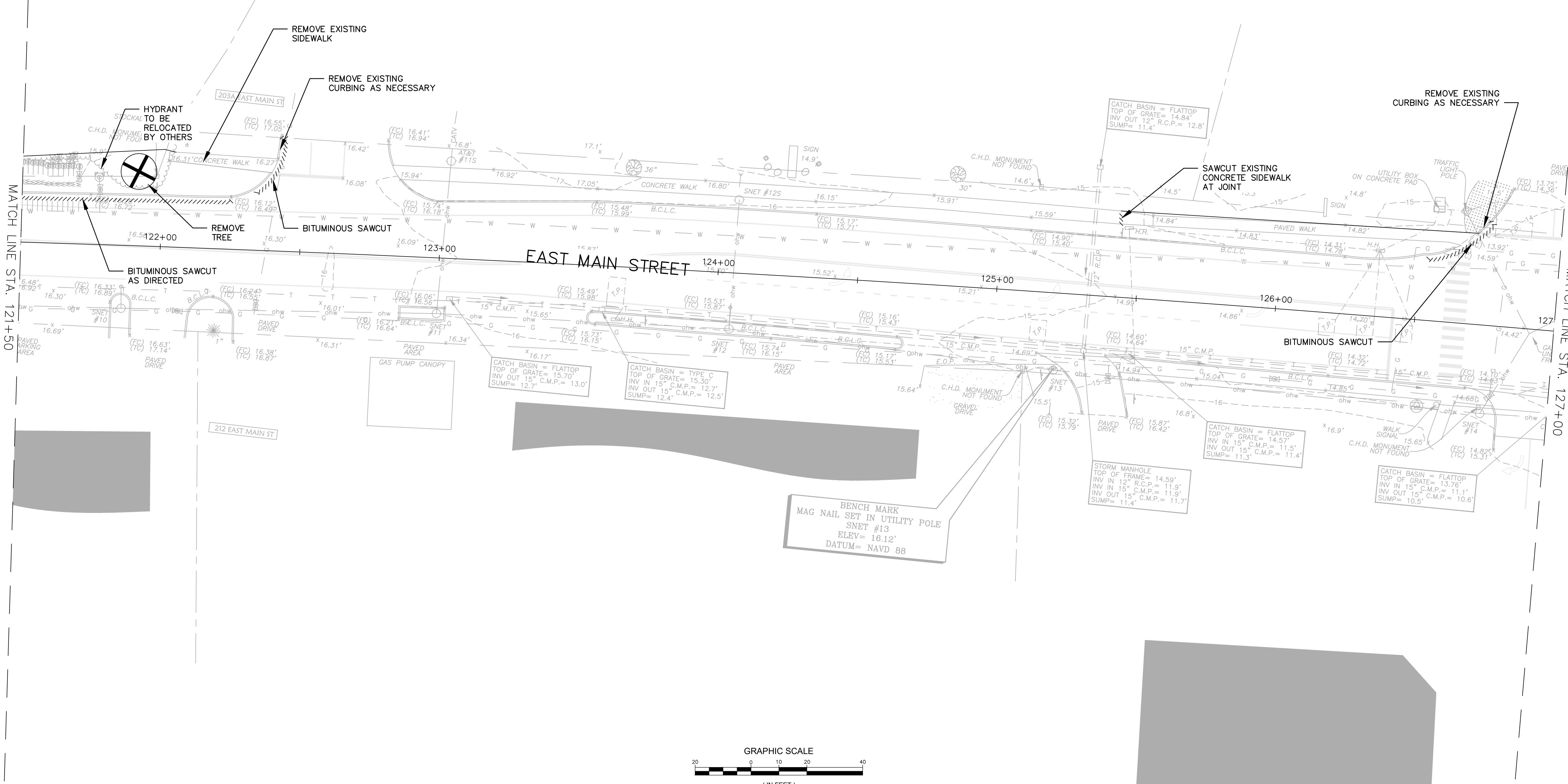
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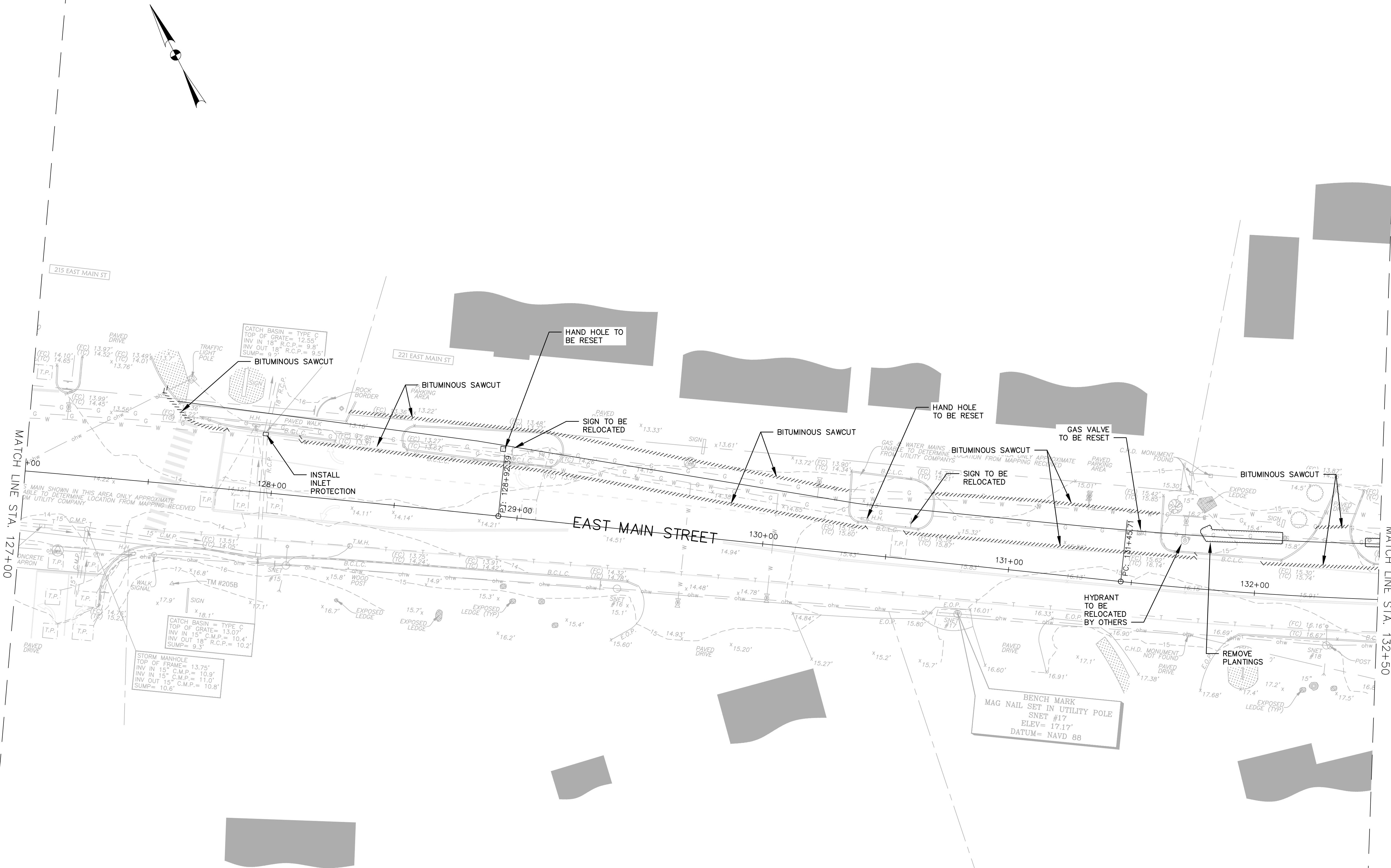
ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON CT

DESIGN DOCUMENTS

DEMOLITION PLANS

DTC PROJECT NUMBER: 16-157-176	
DTC DRAWING FILE: DE.DWG	
SCALE: 1" = 20'	DRAWN BY: JLW
DATE: 03/06/2020	CHECKED BY: --
SHEET:	
DE.01	





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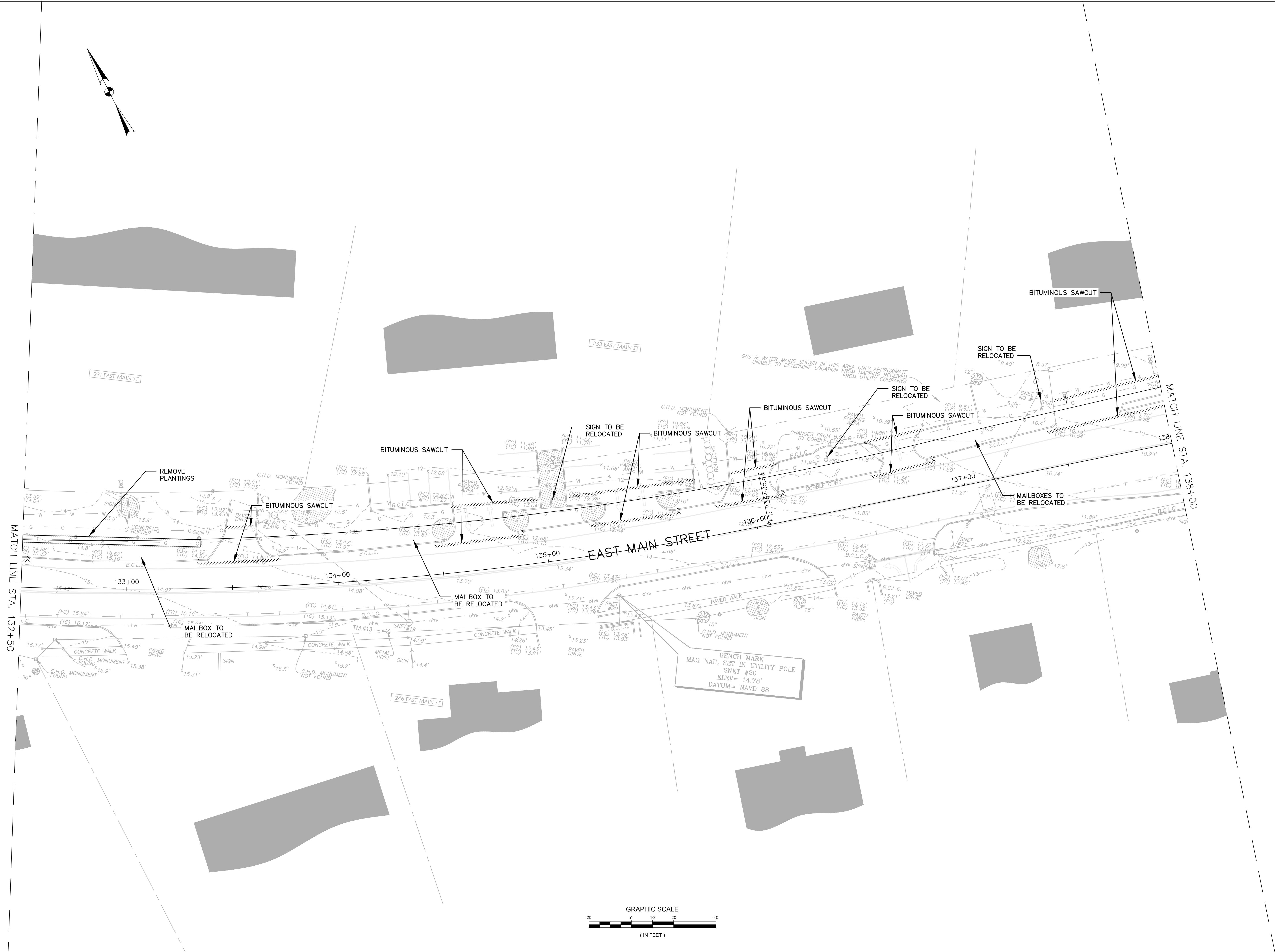
The logo for JTC is a black and white graphic. It features a stylized monogram of the letters 'J', 'T', and 'C'. The 'J' is a large, sweeping curve on the left. The 'T' is a vertical line in the center. The 'C' is a large, sweeping curve on the right. Above the 'T', there is a horizontal line with a small, solid black circle at the top right. There is also a short, thick vertical line segment positioned between the horizontal line and the 'T'.

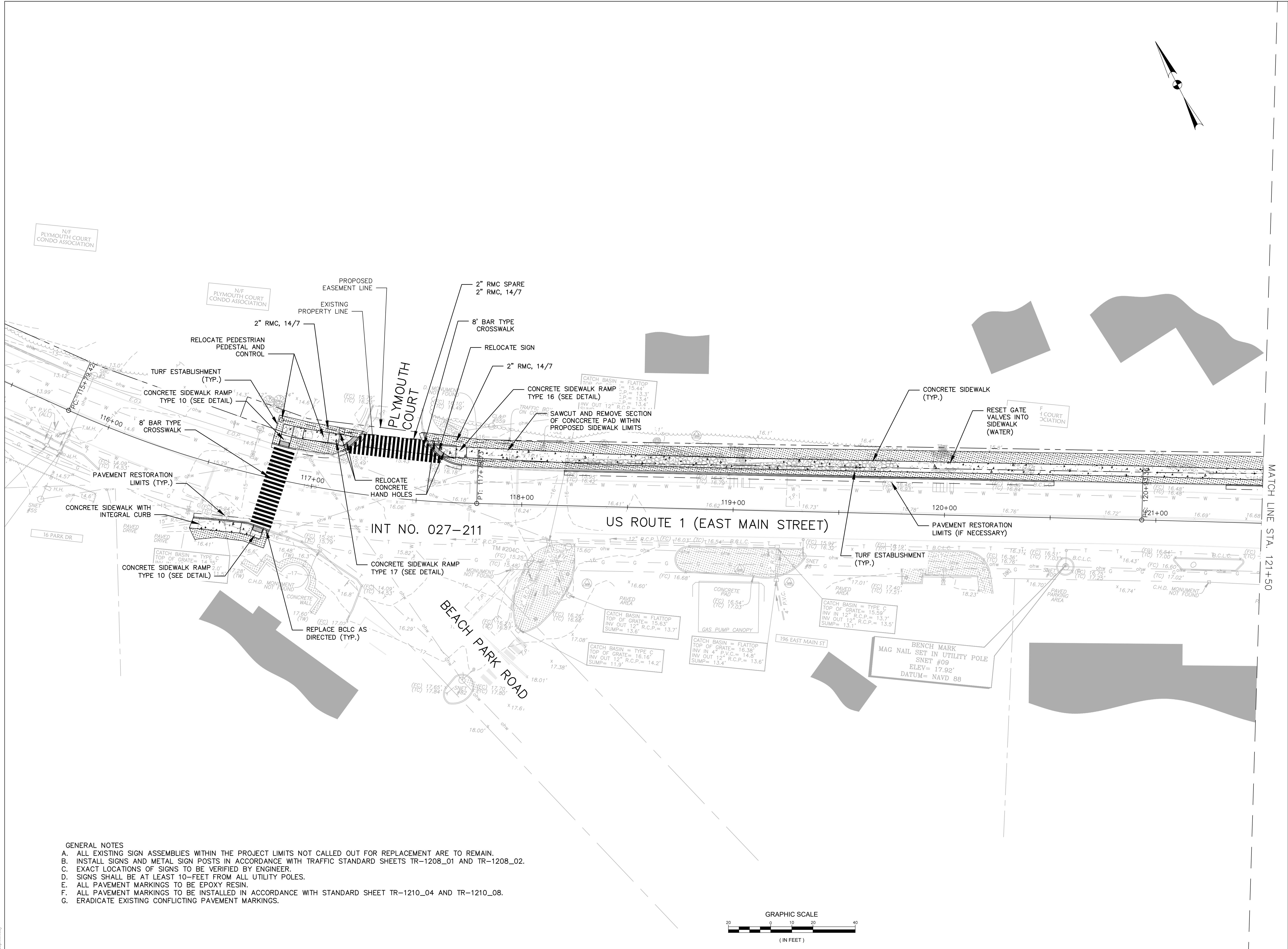
ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON CT

DESIGN DOCUMENTS

DEMOLITION PLANS

DTC PROJECT NUMBER: 16-157-176	
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SCALE: 1" = 20'	DRAWN BY: JLW
DATE: 03/06/2020	CHECKED BY: --
SHEET:	
DE.03	





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www.teamhito.com

DESIGN DOCUMENTS

<divPROPOSED CONDITIONS LAYOUT

OTC PROJECT NUMBER: 16-157-176

DTC DRAWING FILE: LY.DWG

SCALE: 1" = 20' DRAWN BY: J. W.

SCALE: 1 - 20 DRAWN BY: JEW

DATE: 03/06/2020 CHECKED BY: --

SHEET:

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Digitized by srujanika@gmail.com

LV 01

ET.01

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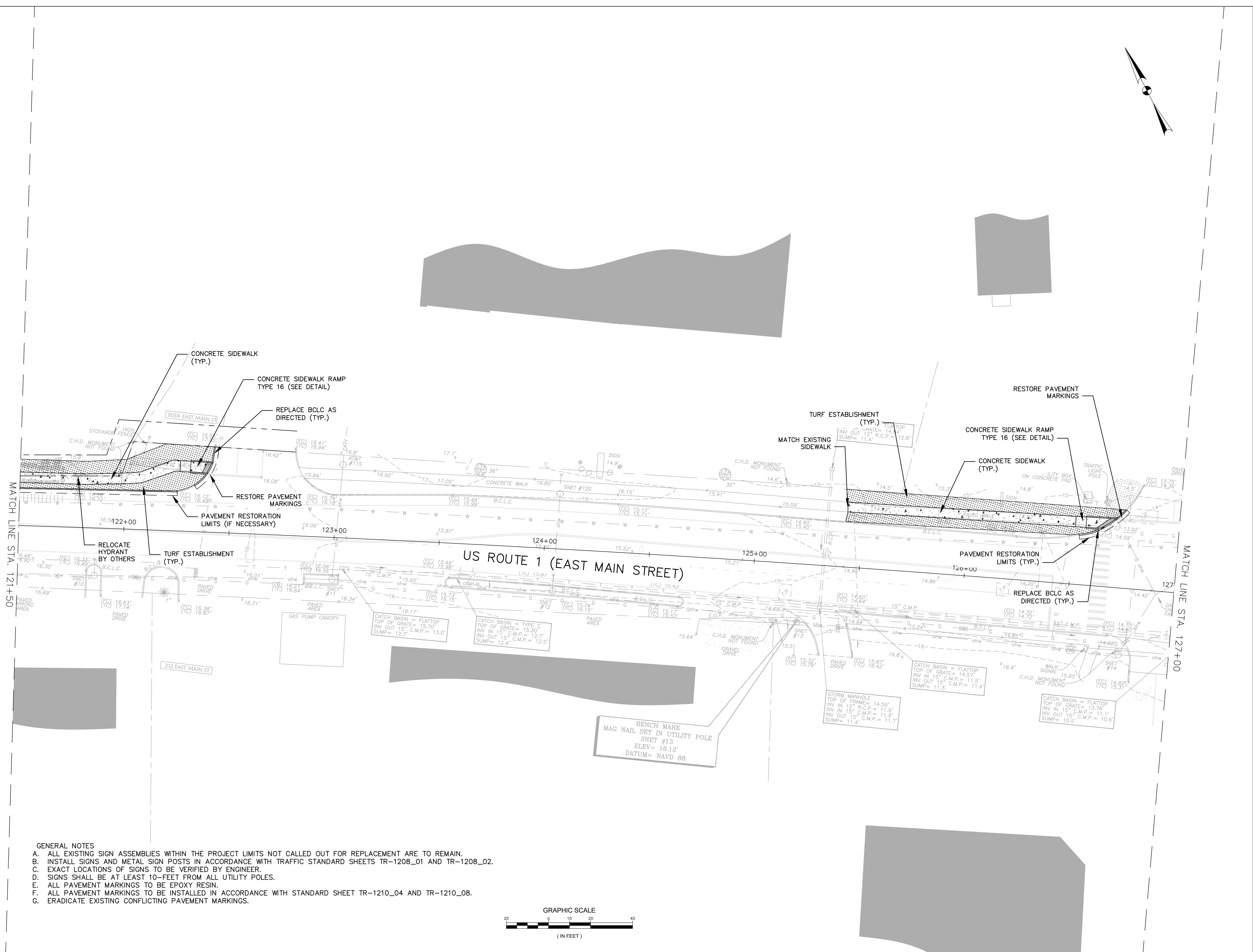
Figure 1. A schematic diagram of the experimental setup. The light source is a pulsed laser diode (LD) with a central wavelength of $\lambda = 532$ nm. The beam is expanded by a lens L_1 and focused by a lens L_2 onto a sample. The sample is a thin film of SiO_2 on a substrate. The scattered light is collected by a lens L_3 and focused onto a photomultiplier tube (PMT). The PMT signal is processed by a lock-in amplifier to obtain the intensity profile of the scattered light.

GENERAL NOTES

GENERAL NOTES

- A. ALL EXISTING SIGN ASSEMBLIES WITHIN THE PROJECT LIMITS NOT CALLED OUT FOR REPLACEMENT ARE TO REMAIN.
- B. INSTALL SIGNS AND METAL SIGN POSTS IN ACCORDANCE WITH TRAFFIC STANDARD SHEETS TR-1208_01 AND TR-1208_02.
- C. EXACT LOCATIONS OF SIGNS TO BE VERIFIED BY ENGINEER.
- D. SIGNS SHALL BE AT LEAST 10-FEET FROM ALL UTILITY POLES.
- E. ALL PAVEMENT MARKINGS TO BE EPOXY RESIN.
- F. ALL PAVEMENT MARKINGS TO BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET TR-1210_04 AND TR-1210_08.
- G. ERADICATE EXISTING CONFLICTING PAVEMENT MARKINGS.

Nov 20, 2023 – 11:18am
P:\2016\16157 Clinton Town Eng\176 Route 1 Sidewalks\106\0-Current\LY.dwg
joseph.whitley



NOTES:

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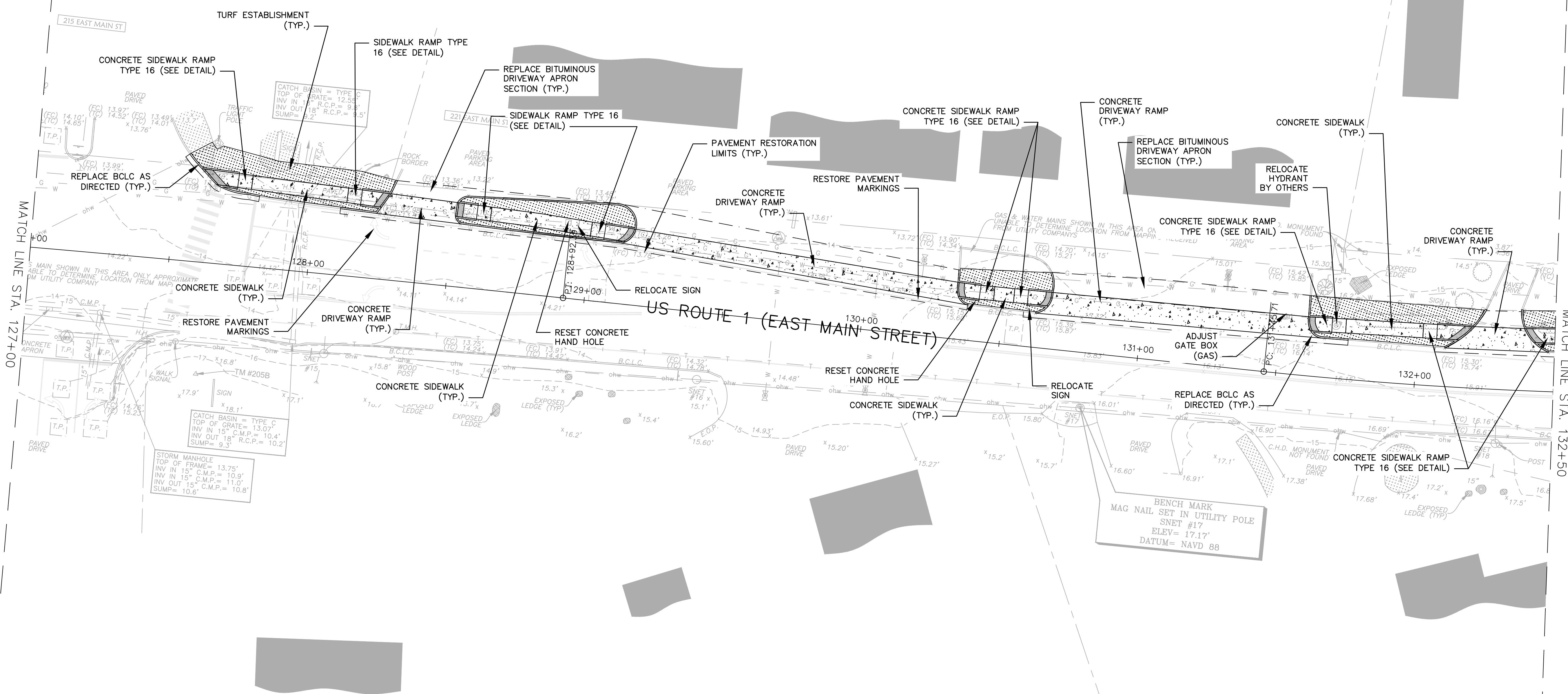
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**ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON CT**

DESIGN DOCUMENTS

PROPOSED CONDITIONS LAYOUT

DTC PROJECT NUMBER: 16-157-176	
DTC DRAWING FILE: LY.DWG	
SCALE: 1" = 20'	DRAWN BY: JL
DATE: 03/06/2020	CHECKED BY: --
SHEET: LY.02	

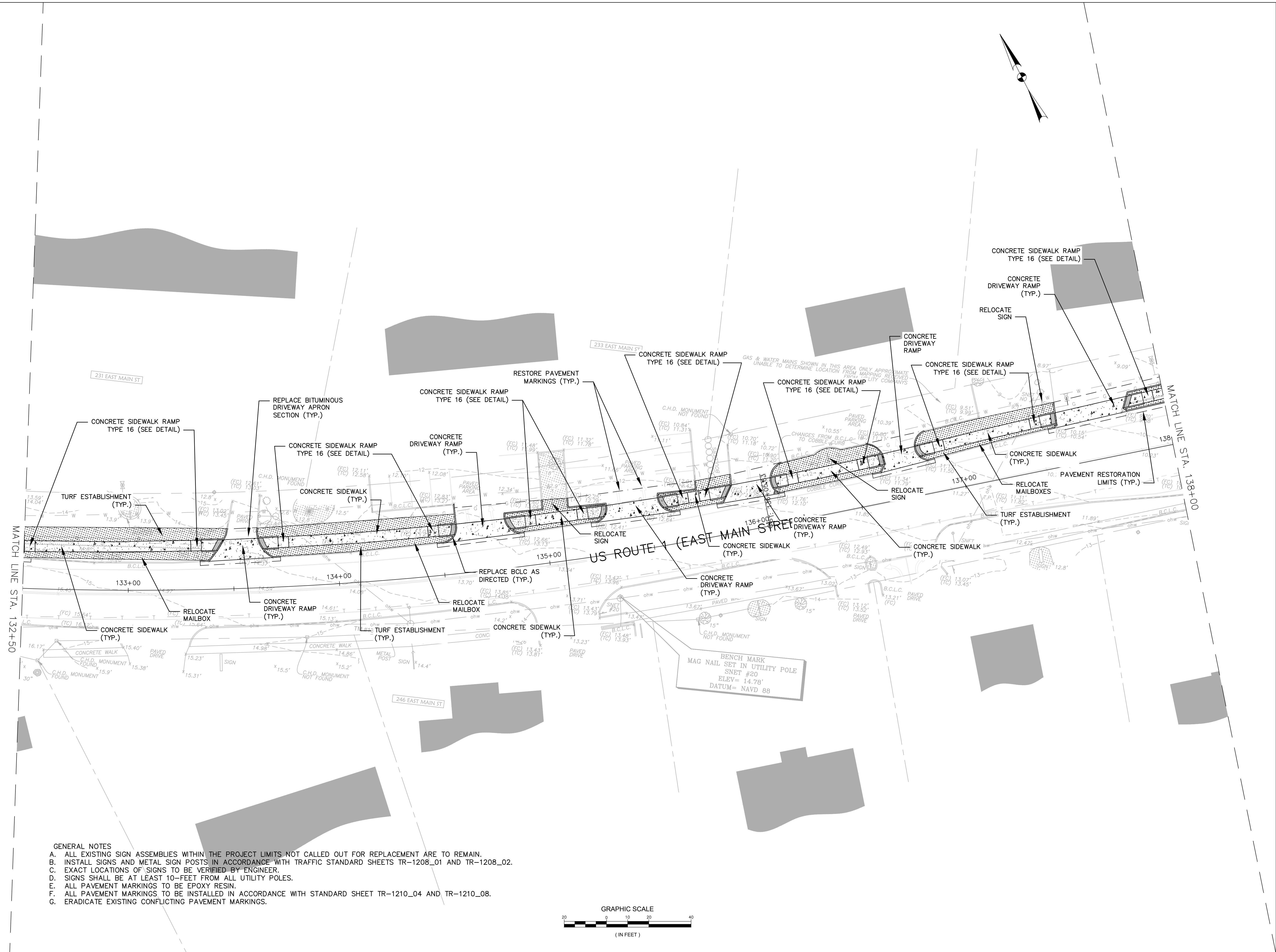


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ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS
PROPOSED CONDITIONS LAYOUT
DTC PROJECT NUMBER: 16-157-176 DTC DRAWING FILE: LY.DWG SCALE: 1" = 20' DRAWN BY: JLW DATE: 03/06/2020 CHECKED BY: -- SHEET: LY.03

- GENERAL NOTES
 A. ALL EXISTING SIGN ASSEMBLIES WITHIN THE PROJECT LIMITS NOT CALLED OUT FOR REPLACEMENT ARE TO REMAIN.
 B. INSTALL SIGNS AND METAL SIGN POSTS IN ACCORDANCE WITH TRAFFIC STANDARD SHEETS TR-1208_01 AND TR-1208_02.
 C. EXACT LOCATIONS OF SIGNS TO BE VERIFIED BY ENGINEER.
 D. SIGNS SHALL BE AT LEAST 10-FEET FROM ALL UTILITY POLES.
 E. ALL PAVEMENT MARKINGS TO BE EPOXY RESIN.
 F. ALL PAVEMENT MARKINGS TO BE INSTALLED IN ACCORDANCE WITH STANDARD SHEET TR-1210_04 AND TR-1210_08.
 G. ERADICATE EXISTING CONFLICTING PAVEMENT MARKINGS.



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ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

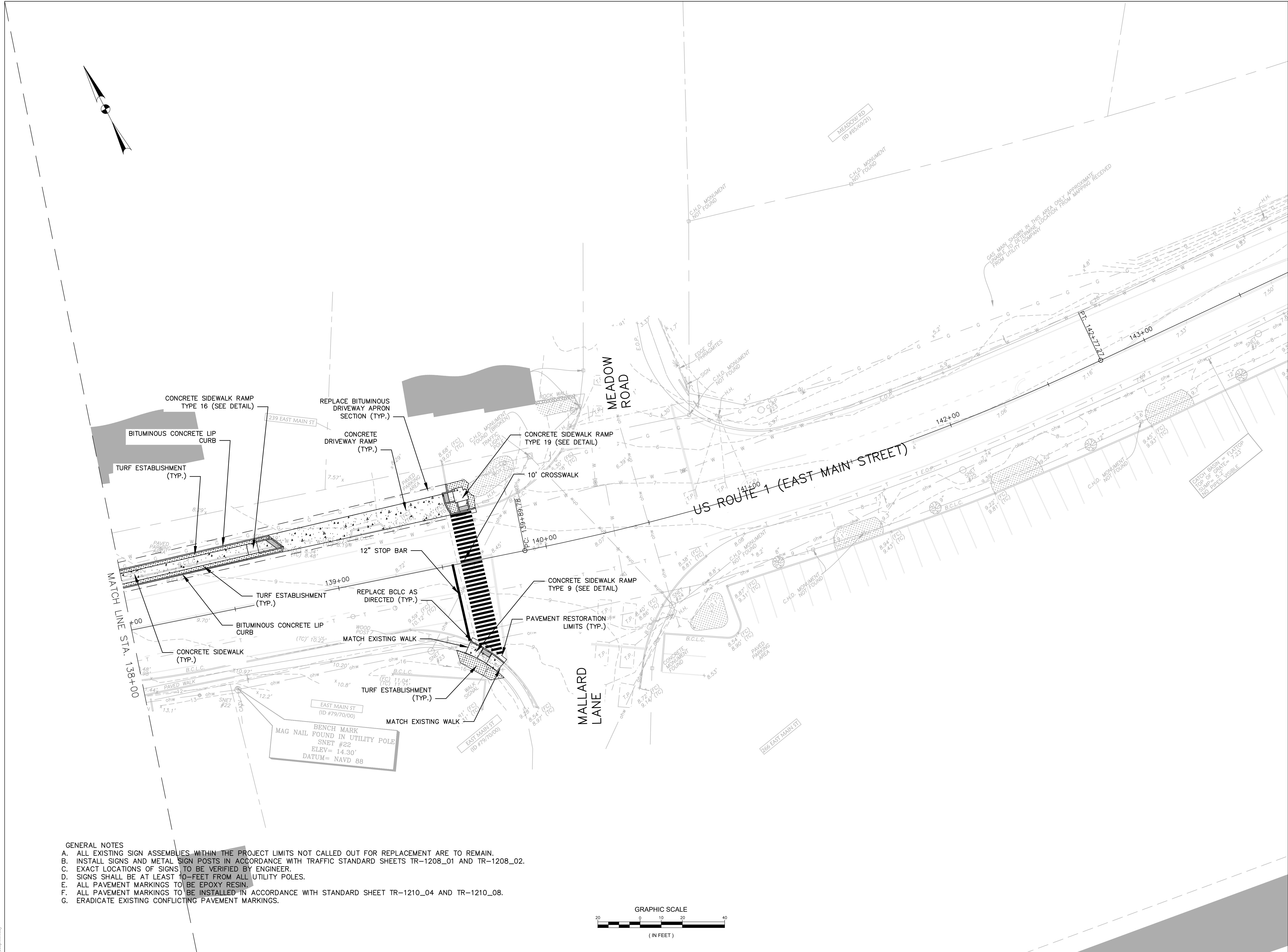
DESIGN DOCUMENTS

PROPOSED CONDITIONS LAYOUT

DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: LY.DWG

DTC PROJECT NUMBER: 16-157-176	
DTC DRAWING FILE: LY.DWG	
SCALE: 1" = 20'	DRAWN BY: JLW
DATE: 03/06/2020	CHECKED BY: --

LY.04

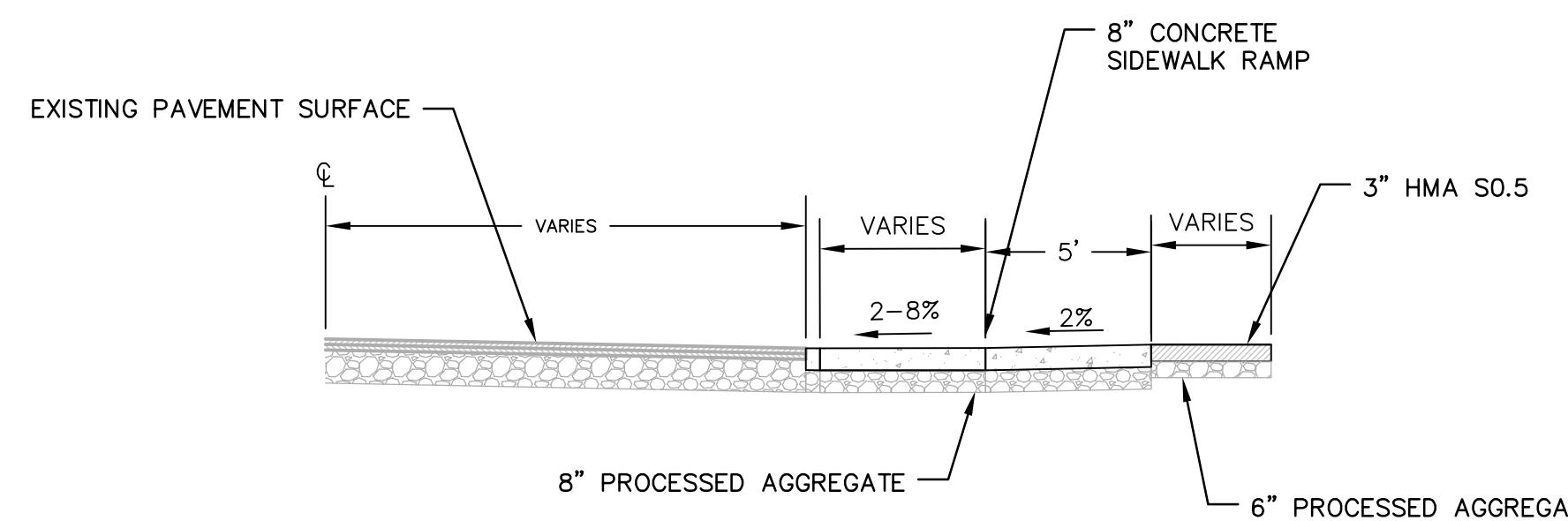


NOTES:

REVISIONS

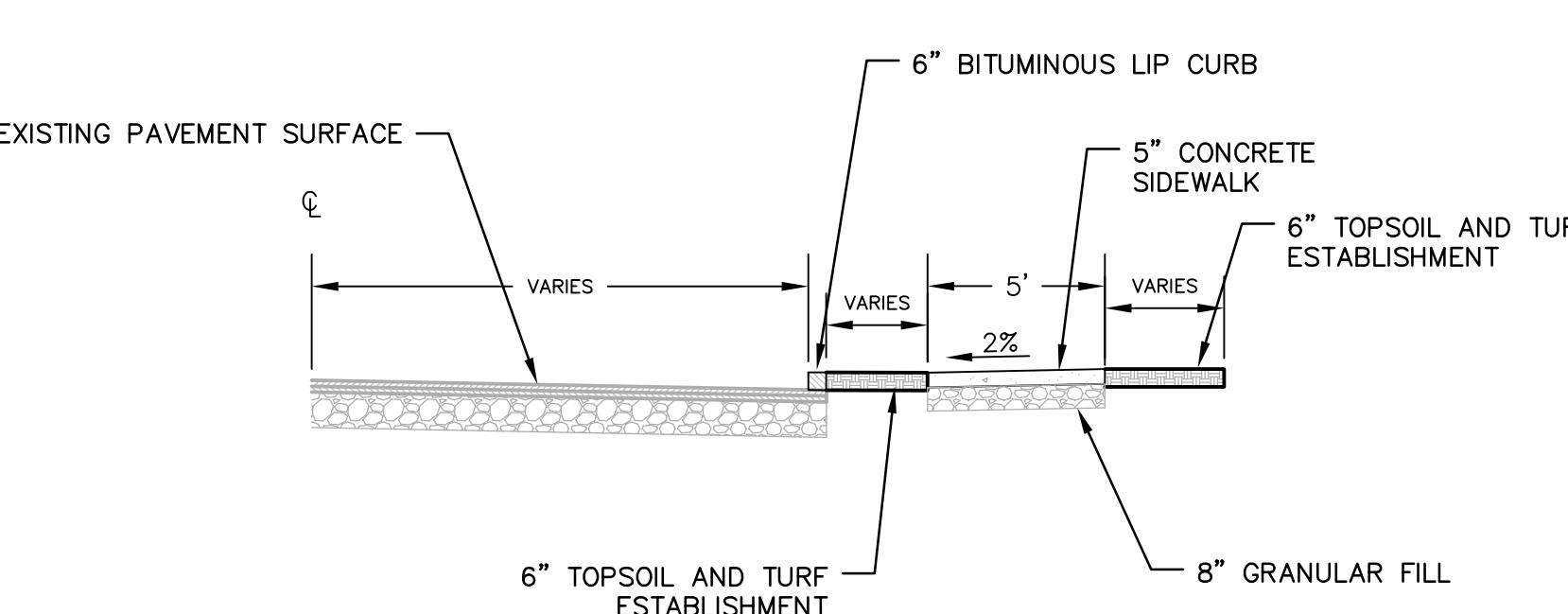
**EAST MAIN STREET
CONCRETE DRIVEWAY RAMP
TYPICAL SECTION**

STATION 128+21 TO 128+53 LT
STATION 129+20 TO 130+37 LT
STATION 130+62 TO 131+65 LT
STATION 132+10 TO 132+48 LT
STATION 133+39 TO 133+69 LT
STATION 134+51 TO 134+87 LT
STATION 135+24 TO 135+62 LT
STATION 135+86 TO 136+13 LT
STATION 136+62 TO 136+85 LT
STATION 137+46 TO 137+79 LT
STATION 138+80 TO 139+59 LT



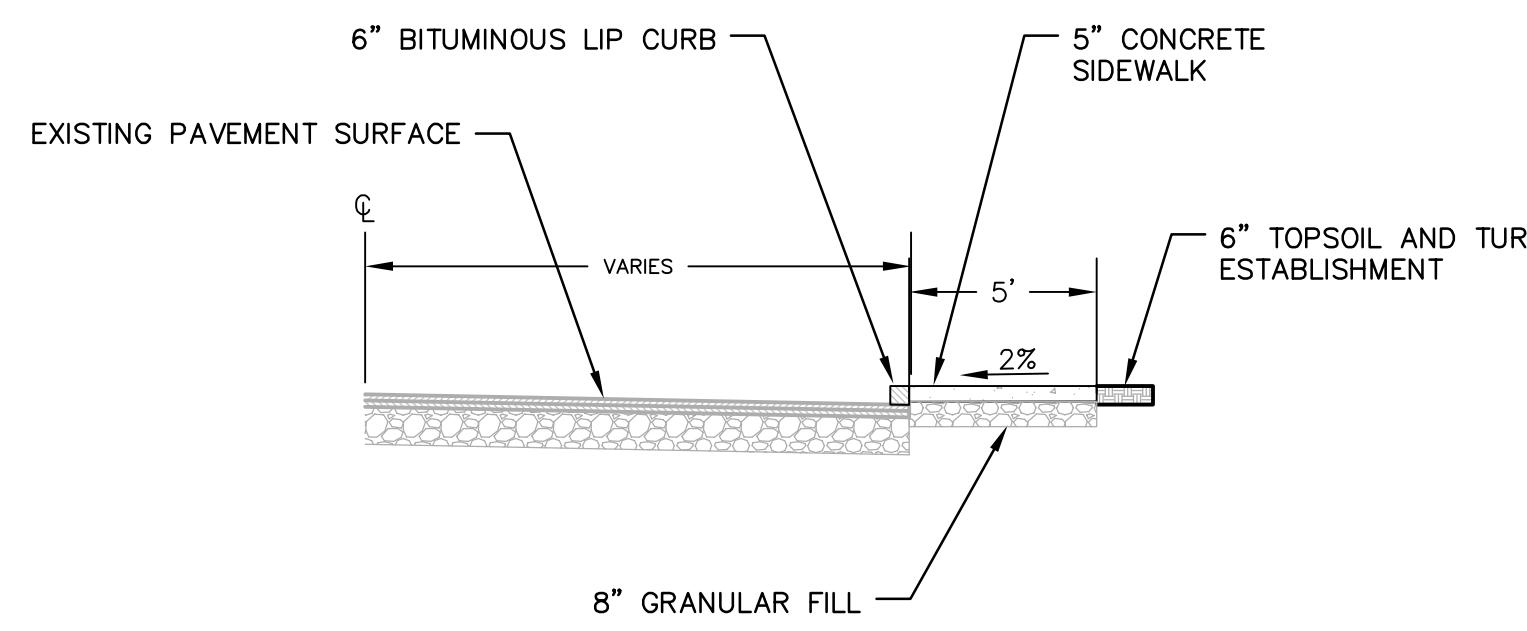
**EAST MAIN STREET
CONCRETE SIDEWALK
TYPICAL SECTION**

STATION 117+60 TO 122+05 LT
STATION 125+42 TO 126+70 LT
STATION 127+65 TO 128+21 LT
STATION 128+53 TO 129+20 LT
STATION 130+37 TO 130+62 LT
STATION 131+65 TO 132+10 LT
STATION 132+48 TO 133+39 LT
STATION 133+69 TO 134+51 LT
STATION 134+87 TO 135+24 LT
STATION 135+62 TO 135+86 LT
STATION 136+13 TO 136+62 LT
STATION 136+85 TO 137+46 LT
STATION 137+79 TO 138+80 LT

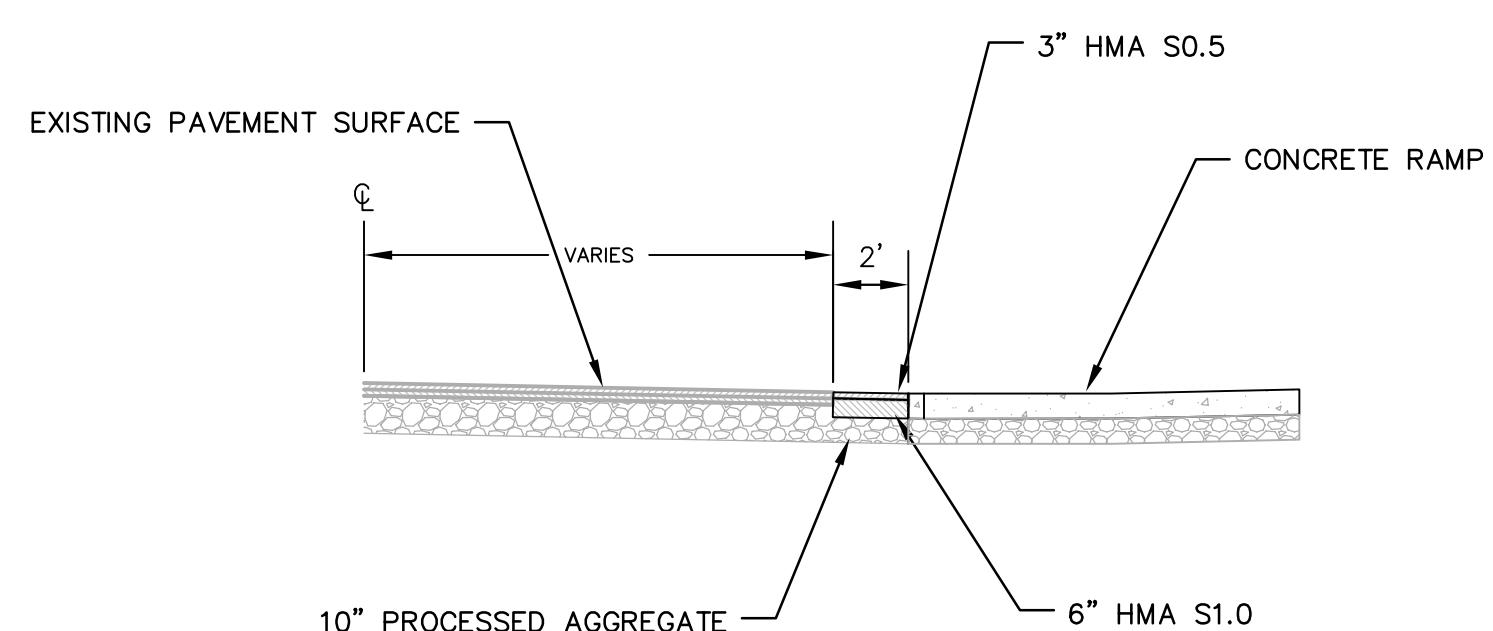


**EAST MAIN STREET
CONCRETE SIDEWALK
TYPICAL SECTION**

STATION 116+50 TO 116+90 RT



**EAST MAIN STREET
PAVEMENT RESTORATION
TYPICAL SECTION**



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**ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT**

DESIGN DOCUMENTS

TYPICAL SECTIONS

DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: XS.DWG

SCALE: 1" = 20'
DRAWN BY: JLW

DATE: 03/06/2020
CHECKED BY: --

SHEET:

TS.01

- MAINTENANCE AND PROTECTION OF TRAFFIC – GENERAL NOTES
- MAINTENANCE AND PROTECTION OF TRAFFIC PLANS SHOWN HEREIN ARE FOR GUIDANCE AND DEPICT THE MINIMUM REQUIREMENTS. ALL SIGNS AND DEVICES MAY NOT BE SHOWN. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE ALL SIGNS, DEVICES AND OTHER APPURTENANCES NECESSARY TO MAINTAIN PEDESTRIAN AND VEHICLE TRAFFIC SAFETY THROUGH THE WORK ZONE IN COMPLETE COMPLIANCE WITH ALL TOWN OF CLINTON REQUIREMENTS. THERE SHALL BE NO LIMIT TO THE NUMBER OF SIGNS OF THE TYPE SHOWN ON THESE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS, OR TO THE NUMBER OF TRAFFIC CONES, TRAFFIC DRUMS, CONSTRUCTION BARRICADES, PRECAST CONCRETE BARRIER CURBS, ETC. AS SHOWN IN THE PLANS. ALL COSTS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR THE ITEM "MAINTENANCE AND PROTECTION OF TRAFFIC." THERE SHALL BE NO ADDITIONAL PAYMENT FOR MAINTENANCE AND PROTECTION OF TRAFFIC WORK SHOWN BUT REQUIRED BY THE TOWN, OR THE ENGINEER.
 - CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE TOWN OF CLINTON. THE COST OF ALL SIGNS AND PROTECTIVE DEVICES REQUIRED BY ALL PERMITS IS INCLUDED IN THE LUMP SUM PRICE FOR THE ITEM "MAINTENANCE AND PROTECTION OF TRAFFIC."
 - CONTRACTOR SHALL MODIFY THE TEMPORARY TRAFFIC AT THE DIRECTION OF POLICE INCLUDING RELOCATING TRAFFIC CONTROL DEVICES OR PROVIDING ADDITIONAL TRAFFIC CONTROL DEVICES.
 - ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2009 EDITION, LATEST REVISION.
 - ALLOWABLE WORK ZONE TIMES ARE PER THE ROAD OPENING PERMITS. WORK HOURS SHALL BE 7:00 AM TO 7:00 PM MONDAY THROUGH FRIDAY UNLESS OTHERWISE SHOWN ON THE PLANS OR PERMIT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE TOWN OF CLINTON TO ESTABLISH AND REVIEW METHODS TO BE UTILIZED FOR THE SAFE PASSAGE OF SCHOOL AGED CHILDREN AND PASSAGE OF SCHOOL BUSES ON STREETS AFFECTED BY WORK UNDER THIS CONTRACT.
 - ANY MODIFICATION OF THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS SHOWN HEREIN SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR TO THE ENGINEER FOR REVIEW AND APPROVAL BY THE TOWN OF CLINTON AT LEAST TEN BUSINESS DAYS IN ADVANCE OF DATE OF MODIFICATION.
 - ALL TRAFFIC CONTROL DEVICES AND SIGNS SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. LOCATIONS FOR TEMPORARY SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER SO AS NOT TO CONFLICT WITH EXISTING PERMANENT SIGNS OR SIGNS FOR ANY OTHER CONSTRUCTION ACTIVITY. DO NOT INSTALL DUPLICATE SIGNS WHERE EXISTING CONSTRUCTION SIGNS CURRENTLY EXIST. EXISTING SIGNS IN CONFLICT WITH TEMPORARY SIGNS SHALL BE COVERED OR ADJUSTED TO MEET FIELD CONDITIONS. SIGNS, DRUMS, CONES, BARRICADES, PRECAST CONCRETE BARRIER CURBS AND OTHER TRAFFIC CONTROL DEVICES ARE SHOWN SCHEMATICALLY TO DEPICT THE GENERAL ARRANGEMENT OF THE WORK ZONE AND AREA TRAFFIC PATTERNS. THESE ARE THE MINIMUM AMOUNT ACCEPTABLE. THE CONTRACTOR IS SOLELY RESPONSIBLE TO PROVIDE ALL DEVICES, APPURTENANCES AND ADJUST ALL TRAFFIC CONTROL DEVICES AS REQUIRED TO COMPLY WITH TOWN STANDARDS AND MAINTAIN THE SAFETY OF THE WORK ZONE AND PUBLIC. ALL SIGNS SHALL BE COVERED WHEN NOT IN USE AND REMOVED WHEN NO LONGER NEEDED. ALL COSTS ARE INCLUDED IN THE LUMP SUM PRICE FOR THE ITEM "MAINTENANCE AND PROTECTION OF TRAFFIC."
 - MAINTAIN 10' MIN. TRAVEL LANES UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER OR POLICE.
 - ALL TEMPORARY CONSTRUCTION SIGNS SHALL BE MOUNTED ON EXISTING POLES OR POSTS, INSTALLED IN GRASS AREAS, OR ON PORTABLE SIGN SUPPORTS. SPECIFIC APPROVAL BY THE TOWN OF CLINTON IS REQUIRED FOR ALL OTHER SIGN INSTALLATIONS. THE CONTRACTOR SHALL RESTORE TOWN FIXTURES AND/OR ASSETS TO PRIOR CONDITION WHEN SIGNS ARE NO LONGER NEEDED.
 - NO PERMANENT SIGNS OR PAVEMENT MARKINGS ARE TO BE REMOVED WITHOUT SPECIFIC PERMISSION OF THE TOWN OF CLINTON.
 - TEMPORARY PAVEMENT MARKINGS SHALL BE REQUIRED FOR ALL PATTERNS THAT WILL REMAIN IN USE FOR LONGER THAN 24 HOURS. TEMPORARY PAVEMENT MARKINGS AND SYMBOLS SHALL BE PLACED AT LOCATIONS AS SHOWN ON THE PLANS, REQUIRED BY THE TOWN, OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE PAVEMENT MARKINGS ON TEMPORARY PATCHES PRIOR TO OPENING THE WORK ZONE TO TRAFFIC. THE WORK SHALL INCLUDE PLACING THE TEMPORARY PAVEMENT MARKINGS, REMOVING CONFLICTING PAVEMENT MARKINGS, AND REMOVING TEMPORARY PAVEMENT MARKINGS WHEN NO LONGER REQUIRED, AS DIRECTED BY THE ENGINEER. THE COST IS INCLUDED IN THE RESPECTIVE TEMPORARY PAVEMENT MARKING ITEM.
 - TEMPORARY SIGNS AND OTHER TEMPORARY TRAFFIC PROTECTIVE DEVICES SHALL REMAIN IN PLACE AS SHOWN THROUGHOUT THE FULL DURATION OF EACH STAGE OF CONSTRUCTION. TRAFFICMEN SHALL BE REQUIRED WHEN DEVICES SHOWN ARE INSTALLED, RELOCATED, OR REMOVED.
 - ALL "ROAD WORK AHEAD" SIGNS INCLUDING SUPPLEMENTAL PLAQUES SHALL BE DISPLAYED AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION.
 - NO SIGNAGE SHALL BE PLACED THAT OBSTRUCTS EXISTING SIGNAGE.
 - ALL SIGNAGE REMOVED TO ACCOMMODATE CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE TOWN OF CLINTON AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR SHALL PROVIDE ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
 - CONTRACTOR SHALL STAGE HIS WORK SO THAT ACCESS IS MAINTAINED TO ALL PROPERTIES, INCLUDING BUSINESSES, AT ALL TIMES.
 - ACCESSIBLE PEDESTRIAN ACCESS THROUGH WORK ZONES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL PROTECT AND MAINTAIN SIDEWALKS AND PEDESTRIAN CROSSINGS THAT ARE NOT IDENTIFIED FOR CLOSURE ON THE PLANS. PROVIDE TEMPORARY PEDESTRIAN CROSSINGS AT INTERSECTIONS. THE CONTRACTOR SHALL SUBMIT IN WRITING TO THE ENGINEER FOR APPROVAL BY THE TOWN MAINTENANCE AND PROTECTION OF TRAFFIC PLANS FOR MAINTAINING PEDESTRIAN TRAFFIC AT SIDEWALKS AND CROSSWALKS, INCLUDING DETOURS IF REQUIRED, FOR AREAS NOT SHOWN ON THE PLANS. THE COST IS INCLUDED IN THE ITEM "MAINTENANCE AND PROTECTION OF TRAFFIC."
 - PITS SHALL BE PROTECTED BY PLACING TEMPORARY PRECAST CONCRETE BARRIER CURBS ON THE TRAFFIC SIDES AND A 6' HIGH CHAIN LINK FENCE ADJACENT TO PEDESTRIAN AREAS. WHEN THE CONTRACTOR IS NOT ACTIVELY WORKING AT THE PIT, A 6' HIGH CHAIN LINK FENCE SHALL COMPLETELY ENCLOSE THE PIT. DEPENDING ON ACTUAL PIT LAYOUT AND SITE CONDITIONS, A PORTION OF THE SIDEWALK MAY HAVE TO BE SUPPORTED OVER THE PIT. THIS WORK IS INCLUDED IN THE COST OF THE PIT. COVERED SIDEWALKS ARE REQUIRED ADJACENT TO THE JACKING PITS UNLESS SPECIFIED ELSEWHERE. THE COST IS INCLUDED IN THE ITEM "TEMPORARY COVERED PEDESTRIAN WALKWAYS."
 - CONTRACTOR SHALL PROVIDE A PHOTLOG OF THE PROPOSED WORK AREA WHICH SHALL INCLUDE EXISTING RIGHT-OF-ELEMENTS INCLUDING SIGNS, SIGNALS, WALK LIGHTS, PAVEMENT MARKINGS, BUS SHELTERS, ETC. AT THE TIME OF THE PERMIT APPLICATION. SUCH PHOTLOG SHALL BE PROVIDED IN THE FORMAT OF A SINGLE, MULTIPAGE .PDF FILE.
 - UPON COMPLETION OF THE PROJECT OR AS SOON AS MAJOR WORK IN THE AREA IS COMPLETED, ALL EXISTING SIGNS AND PAVEMENT MARKINGS WHICH ARE REMOVED IN ADVANCE OF STAGE CONSTRUCTION SHALL BE RE-ESTABLISHED AS DIRECTED BY THE ENGINEER. PERMANENT PAVEMENT MARKINGS SHALL BE OF THE SAME TYPE AND SIZE WHICH EXISTED PRIOR TO CONSTRUCTION IN ACCORDANCE WITH CITY OF WEST HAVEN SPECIFICATION FOR PAVEMENT MARKINGS UNLESS DIRECTED OTHERWISE BY THE CITY.
 - PAVEMENT REPAIRS MUST BE IMMEDIATELY PREMARKED WITH TABS IN THE COLOR OF

- THE REMOVED LINE AND FINAL PAVEMENT MARKINGS (IN A MATERIAL APPROVED BY THE TOWN) MUST BE APPLIED WITHIN 48 HOURS OF THE PERMANENT REPAIR.
- PROVIDE TOWN POLICE AS REQUIRED BY PERMIT OR AS DIRECTED FOR WORK ON TOWN STREETS AND STATE POLICE ON HIGHWAYS. THE COST IS PAID FOR UNDER THE ITEM "UNIFORMED LOCAL AND STATE POLICE OFFICERS."
 - CONTRACTOR SHALL NOTIFY THE TOWN OF CLINTON AT LEAST TWO WEEKS PRIOR TO IMPLEMENTING ANY DETOUR AND 72 HOURS IN ADVANCE OF CHANGING TRAFFIC PATTERNS WHICH WILL RESULT IN A REDUCTION OF PAVEMENT WIDTHS OR CLOSING OF STREETS.
 - STREETS MAY NOT BE CLOSED WITHOUT SPECIFIC PERMISSION FROM THE TOWN OF CLINTON.
 - ALL TRENCHES SHALL BE BACKFILLED AND PAVED OR PLATED AND APPROPRIATELY SIGNED "STEEL PLATES IN ROAD" AT THE END OF EACH DAY.
 - CONTRACTOR SHALL NOT UTILIZE AREAS BEYOND THE ACTIVE WORK ZONE FOR STORAGE OF MATERIALS OR EQUIPMENT DURING WORK HOURS OR AT NIGHT.
 - ALL CONSTRUCTION SIGNS SHALL HAVE THE CONTRACTOR'S NAME ON THE BACK OF EACH SIGN.
 - COORDINATE THE WORK WITH ADJACENT PROPERTY OWNERS, MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES UNLESS OTHER ACCOMMODATIONS ARE MADE WITH PROPERTY OWNERS IN ADVANCE OF THE WORK.

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Table 6H-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or support trailer		Surveyor
	Crash cushion		Temporary barrier
	Direction of temporary traffic detour		Temporary barrier with warning light
	Direction of traffic		Traffic or pedestrian signal
	Flagger		Truck-mounted attenuator
	High-level warning device (flag tree)		Type 3 barricade
	Longitudinal channelizing device		Warning light
	Luminaire		Work space
	Pavement markings that should be removed for a long-term project		Work vehicle

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* Speed category to be determined by highway agency
** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-48. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Length

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = \frac{WS}{S}$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th percentile speed prior to tapering, or the anticipated operating speed in mph

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ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT

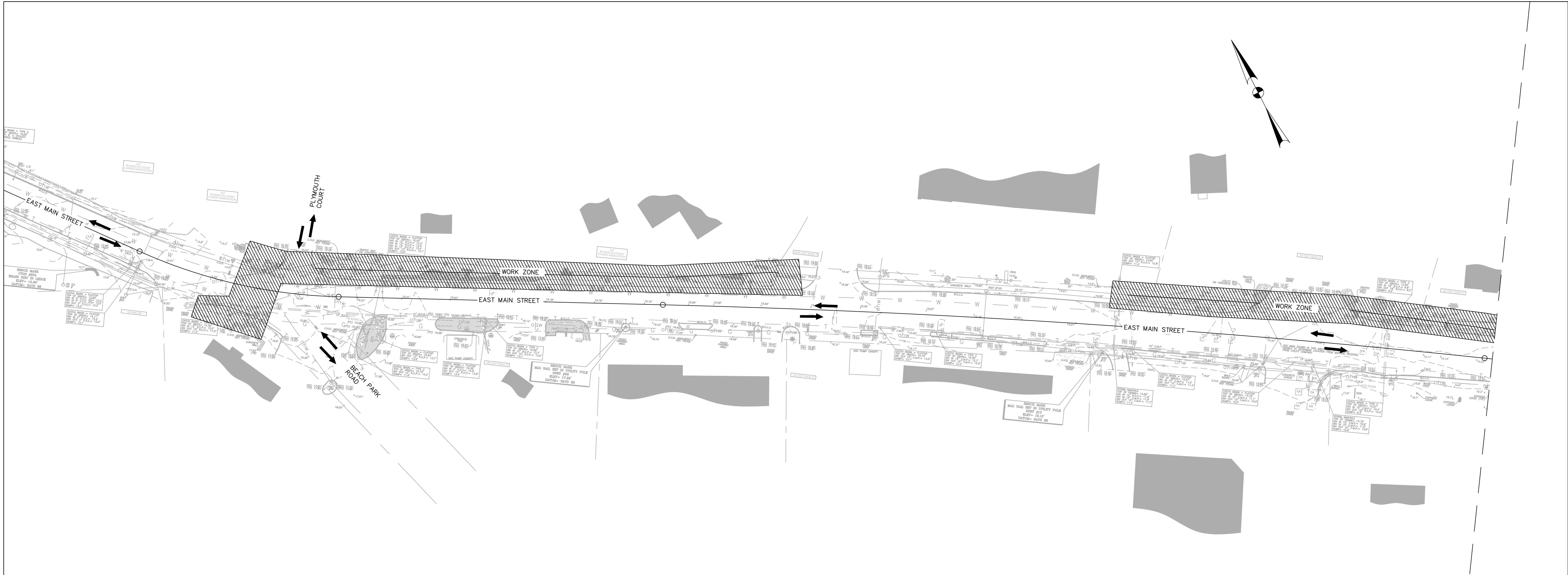
DESIGN DOCUMENTS

MAINTENANCE AND
PROTECTION OF
TRAFFIC

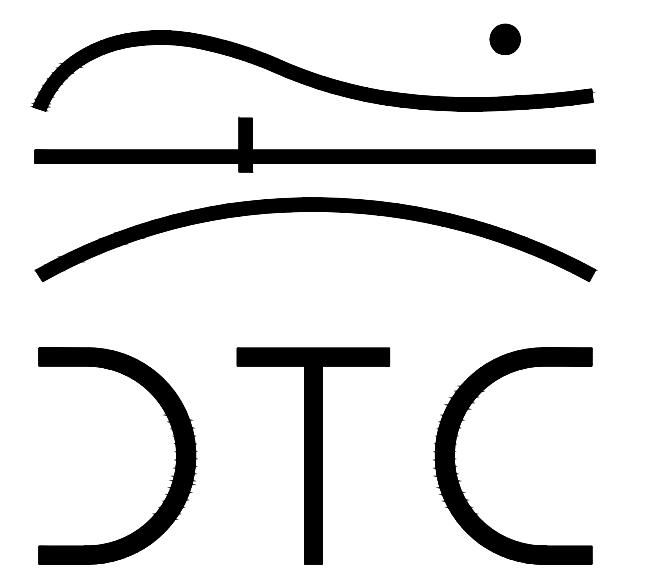
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SCALE: 1" = 20'
DRAWN BY: JLW
DATE: 03/06/2020
CHECKED BY: -

SHEET: MT.01



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ROUTE 1
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DTC PROJECT NUMBER: 16-157-176
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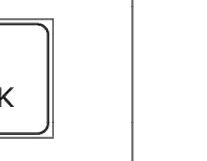
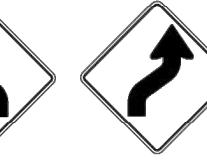
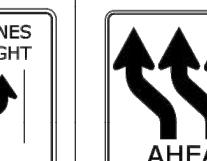
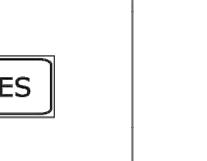
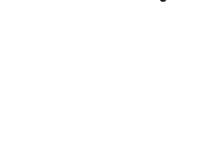
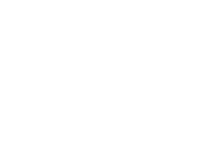
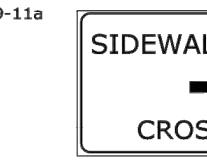
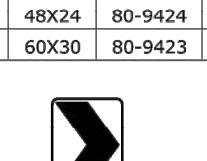
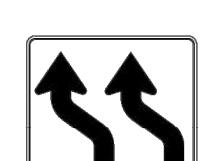
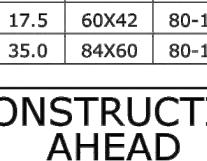
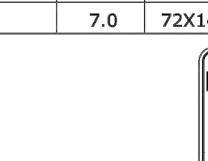
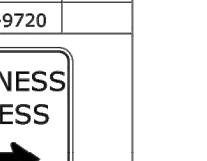
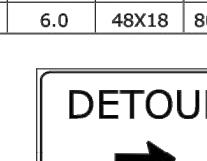
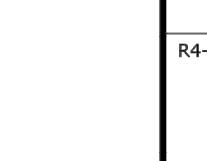
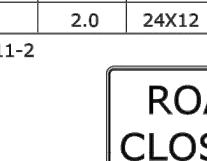
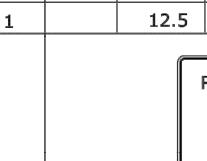
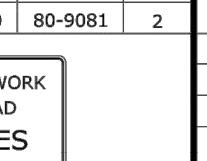
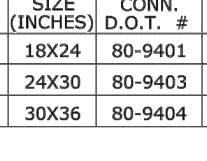
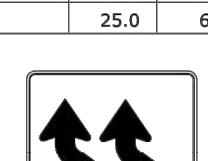
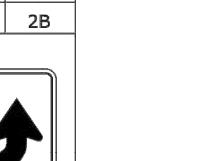
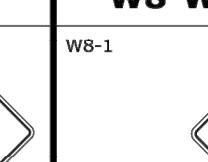
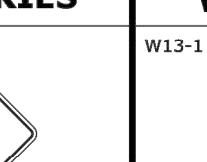
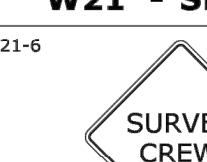
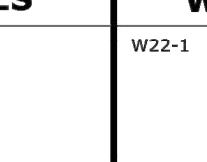
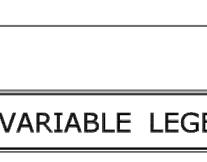
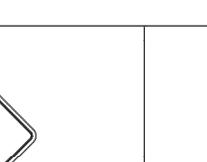
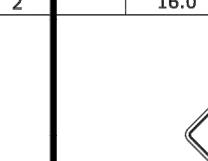
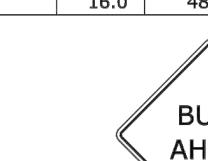
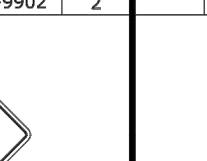
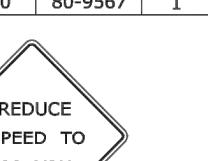
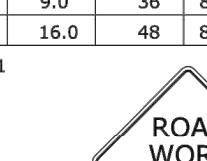
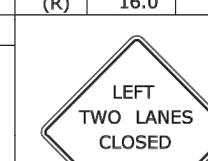
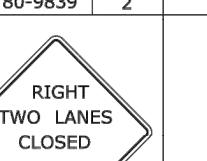
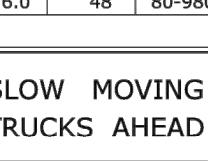
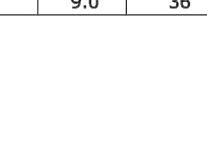
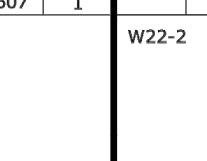
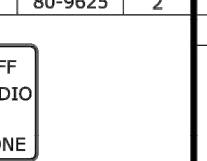
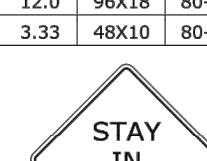
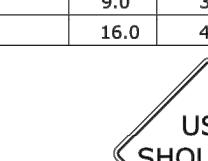
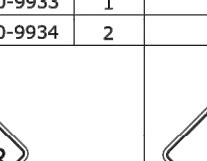
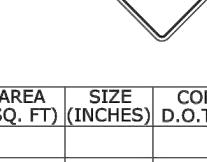
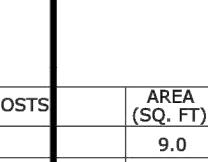
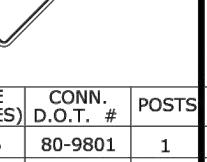
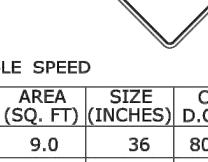
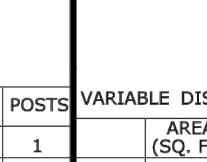
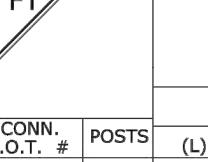
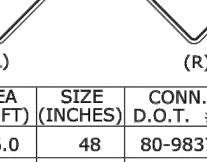
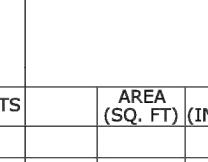
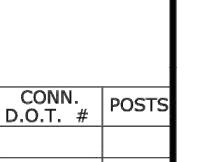
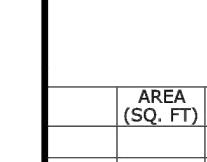
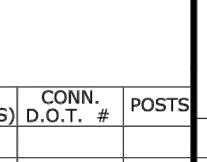
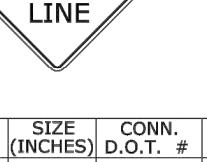
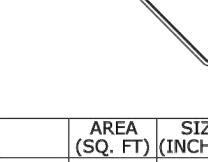
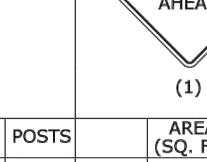
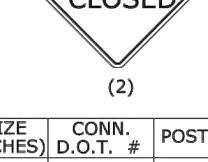
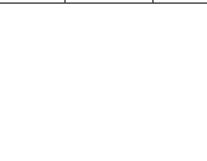
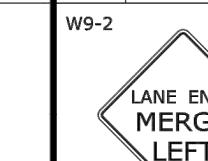
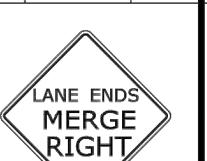
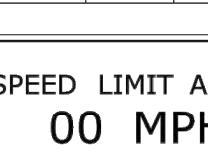
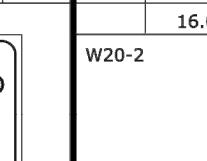
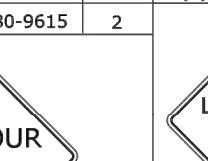
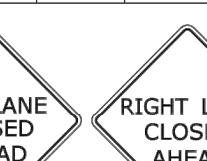
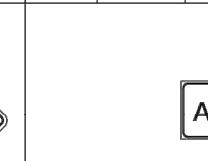
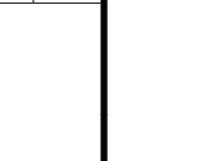
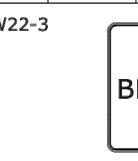
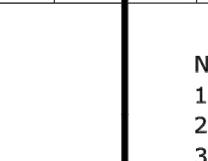
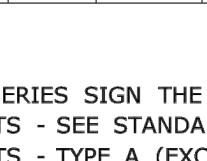
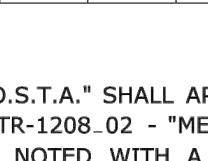
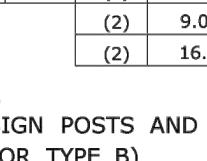
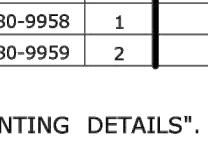
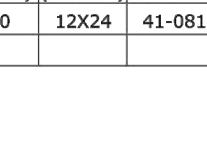
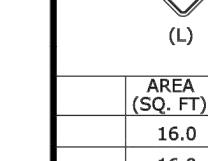
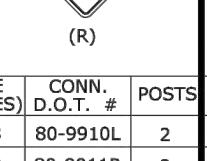
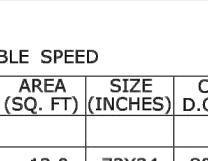
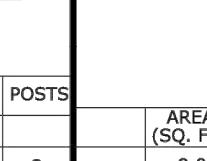
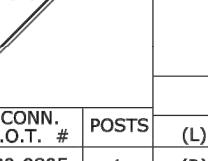
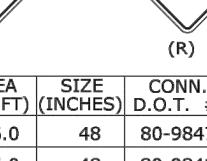
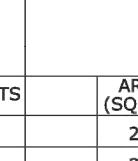
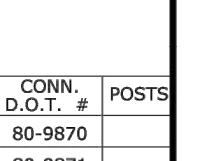
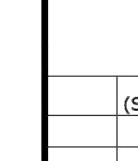
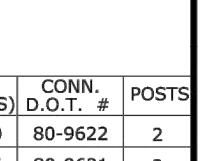
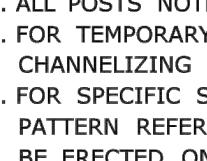
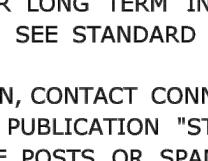
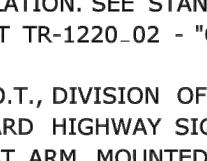
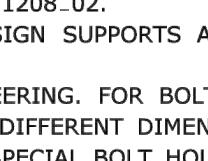
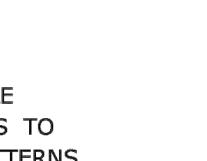
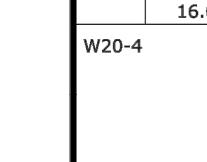
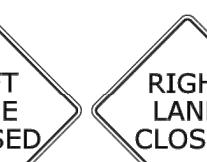
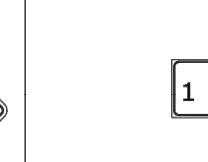
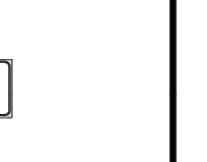
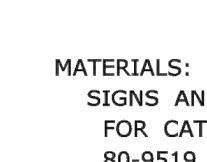
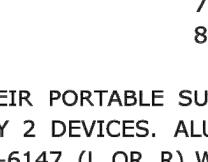
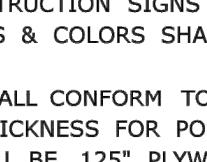
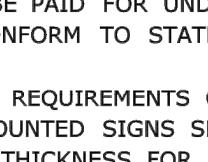
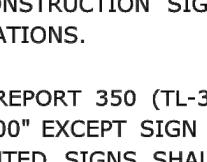
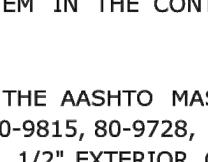
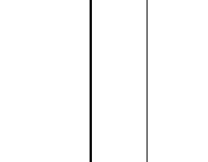
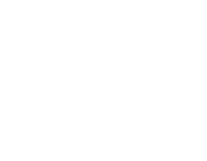
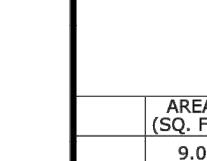
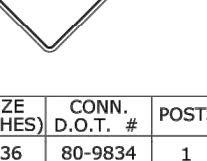
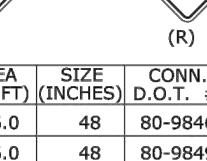
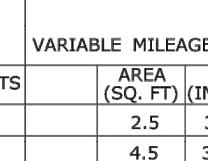
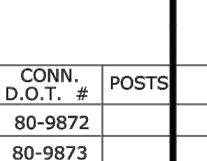
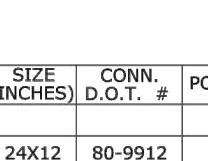
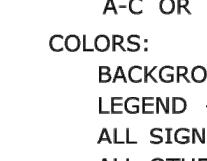
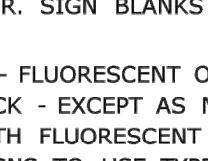
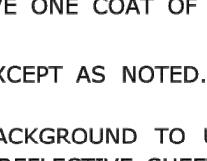
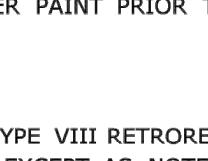
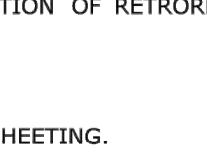
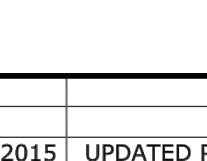
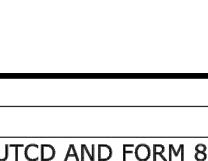
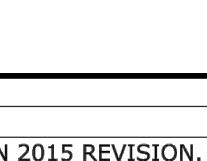
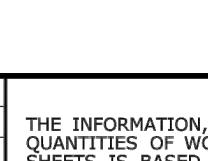
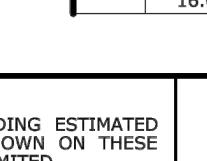
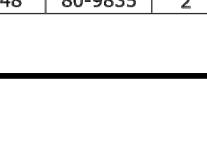
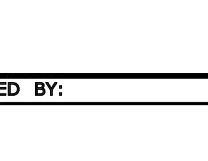
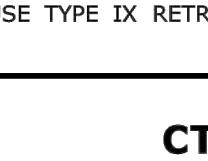
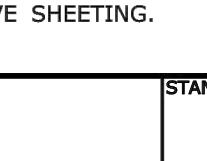
SHEET:
MT.02

ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT

DESIGN DOCUMENTS

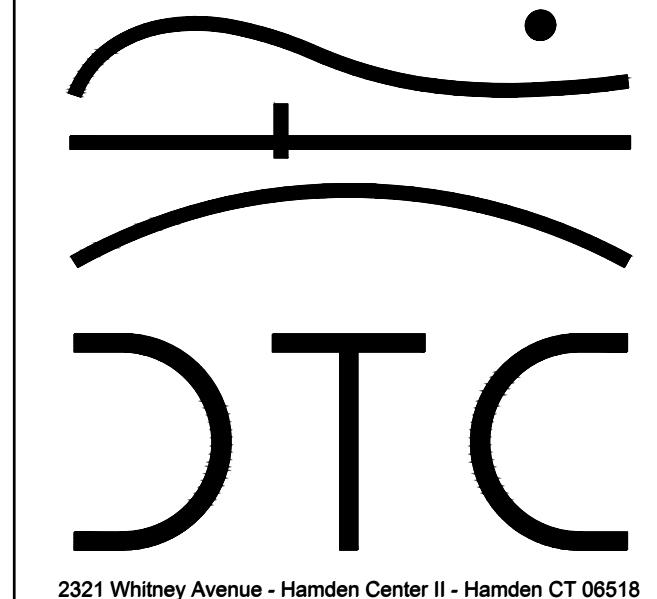
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DTC DRAWING FILE: MPT.DWGSCALE: 1" = 20'
DRAWN BY: JLW
DATE: 03/06/2020
CHECKED BY: -
SHEET:

MT.03

E5 - SERIES		G20 - SERIES		M4 - SERIES		R1 - SERIES		R9 & R11 - SERIES		W1 - SERIES		W3 - SERIES			
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16 - SERIES  ROAD USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13-115, 13n-145 COMMISSIONER OF TRANSPORTATION		 		 		 		 		 		 		 	
16 - SERIES  SIDEWALK USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13n-15, 13n-145 COMMISSIONER OF TRANSPORTATION		 		 		 		 		 		 		 	
W4-W6 - SERIES		W8-W9 - SERIES		W13 - SERIES		W20 - SERIES		W21 - SERIES		W22 - SERIES		STOP-SLOW PADDLE			
 		 		 		  		 		 		 			
 		 		 		  		 		 		 			
  		 		 		  		 		 		 			
  		 		  		  		 		 		 			
  		 		  		  		 		 		 			
  		  		  		  		 		 		 			
  		  		  		  		 		 		 			
  		  		  		  		 		 		 			
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<p>SIGN FOR CONSTRUCTION AND PERMIT OPERATIONS</p> <p>STANDARD SHEET TITLE: TR-1220_01</p>															

NOTES:

REVISIONS



ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

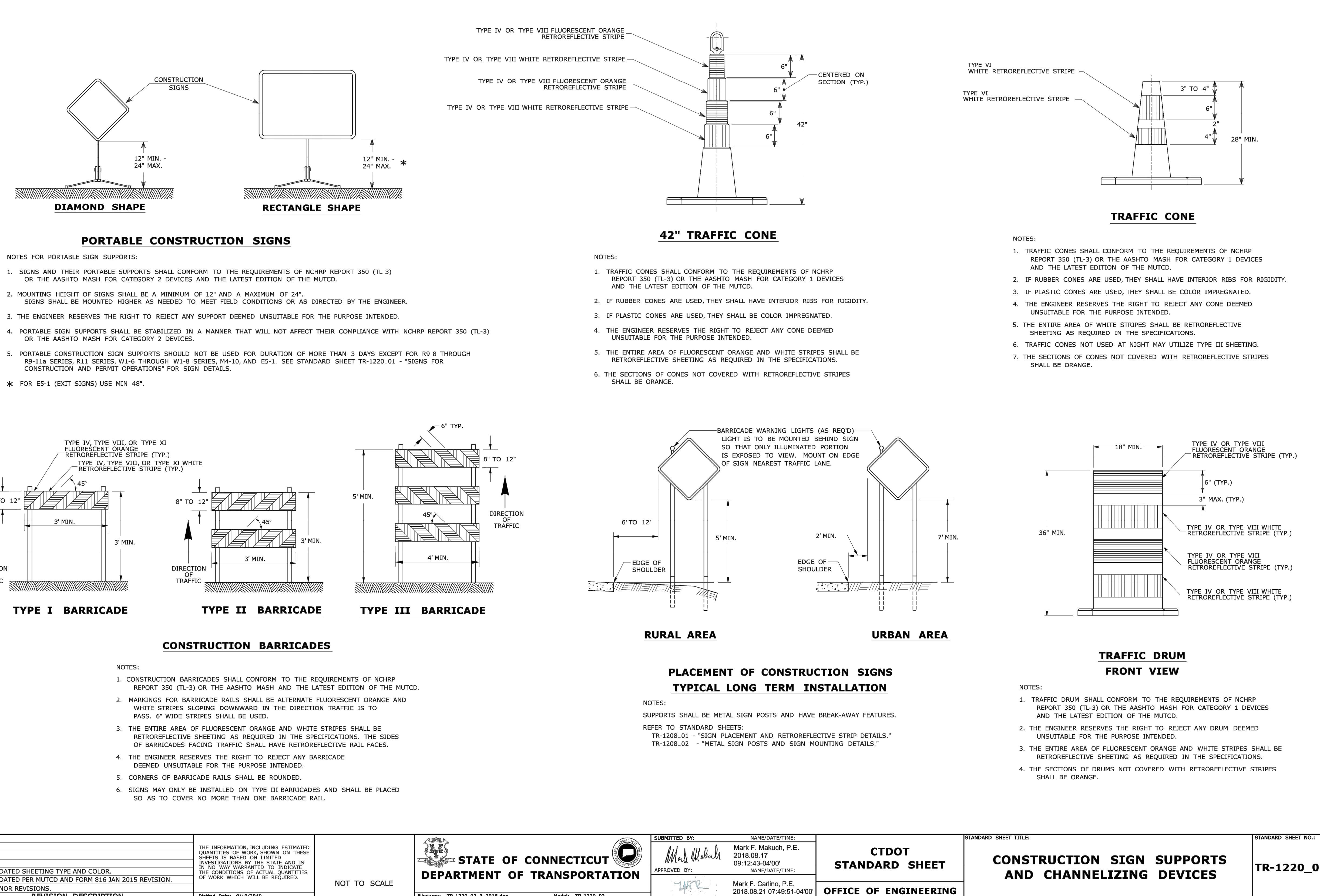
DESIGN DOCUMENTS

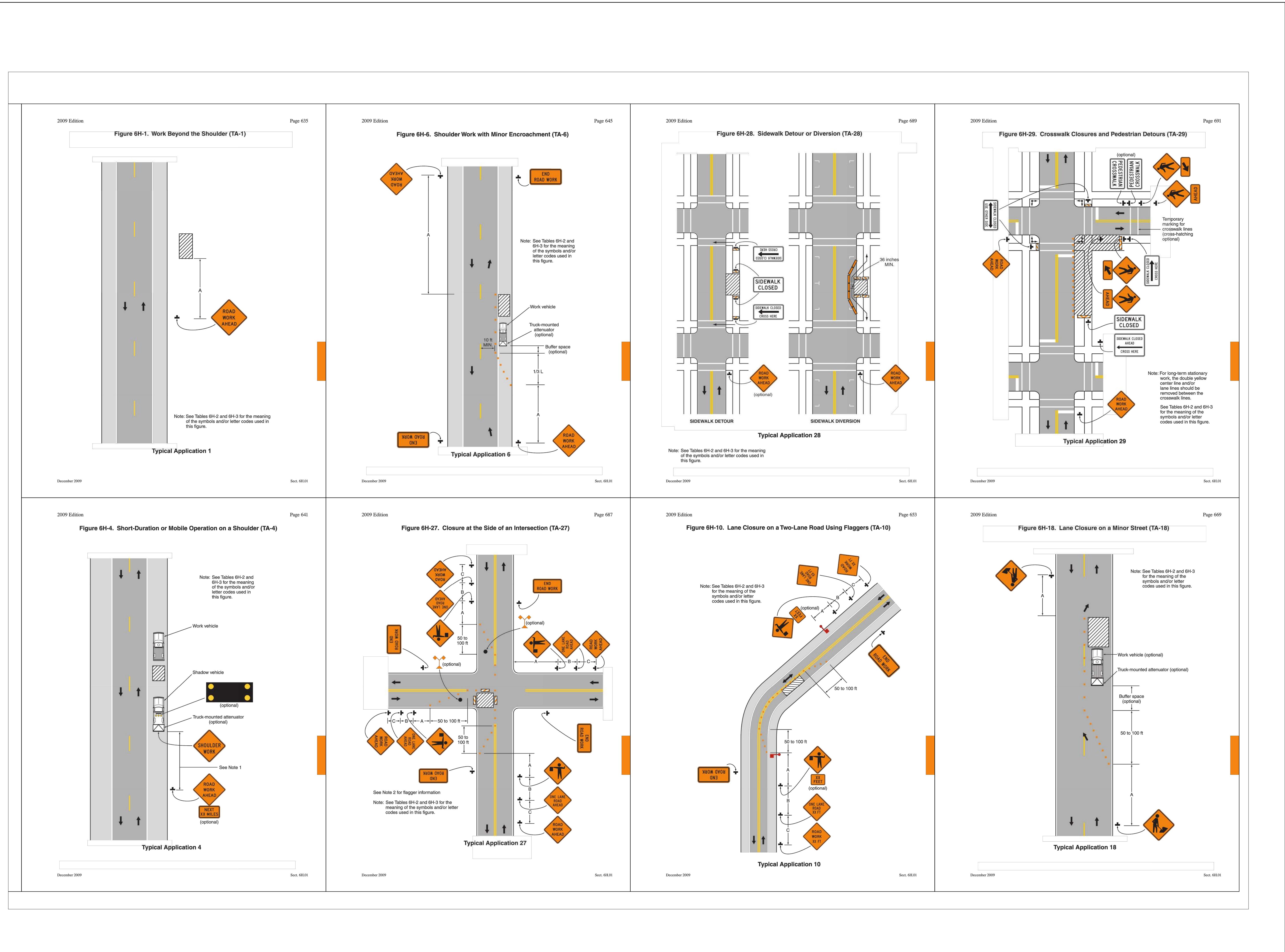
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DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: MPT.DWG

SCALE: 1" = 20'
DRAWN BY: JLW
DATE: 03/06/2020
CHECKED BY: -

SHEET:
MT.04





NOTES:

REVISION

2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
Ph: 203 239 4200 Fax: 203 234 7376

www.teamdtc.com

ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS

MAINTENANCE AND PROTECTION OF TRAFFIC

DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: MPT.DWG

SCALE: 1" = 20'	DRAWN BY: JLW
DATE: 03/06/2020	CHECKED BY: --

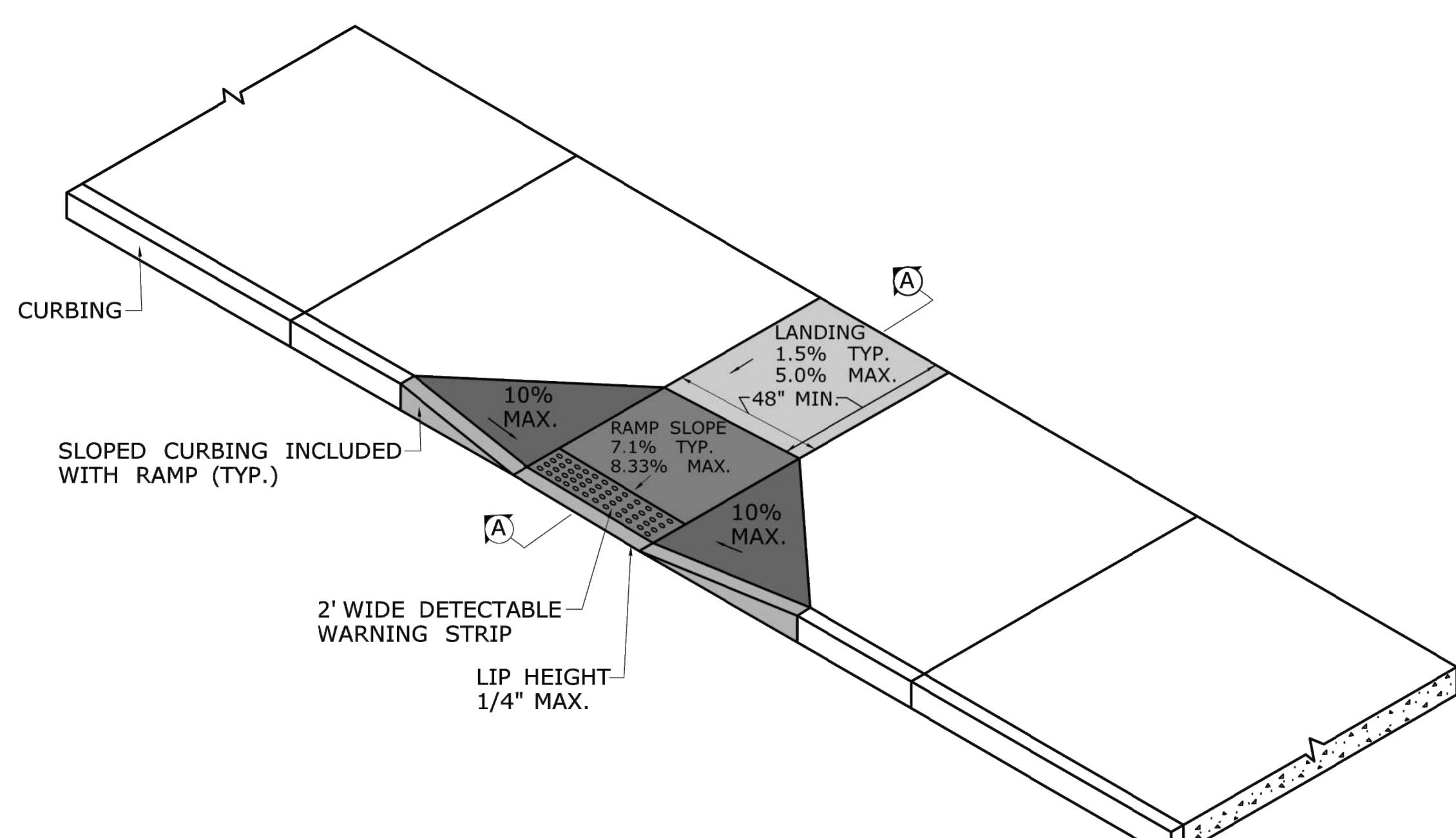
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ME 25

MI.05

Figure 1. A schematic diagram of the experimental setup.

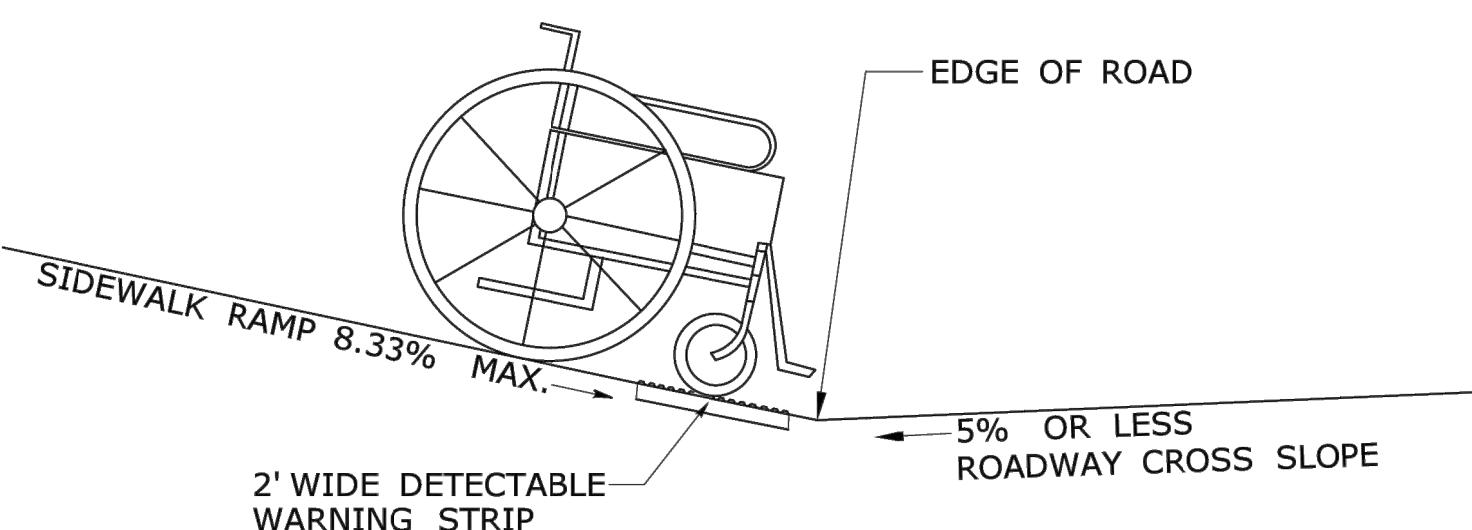
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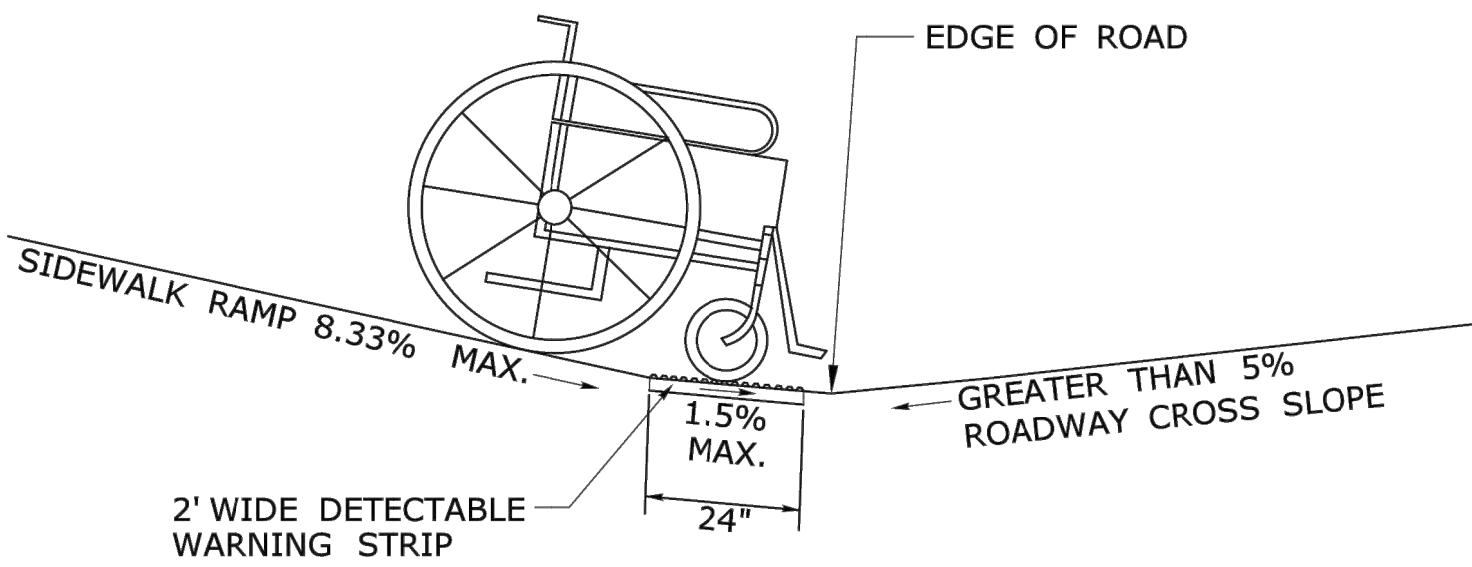
PERPENDICULAR SIDEWALK RAMP

GENERAL NOTES:

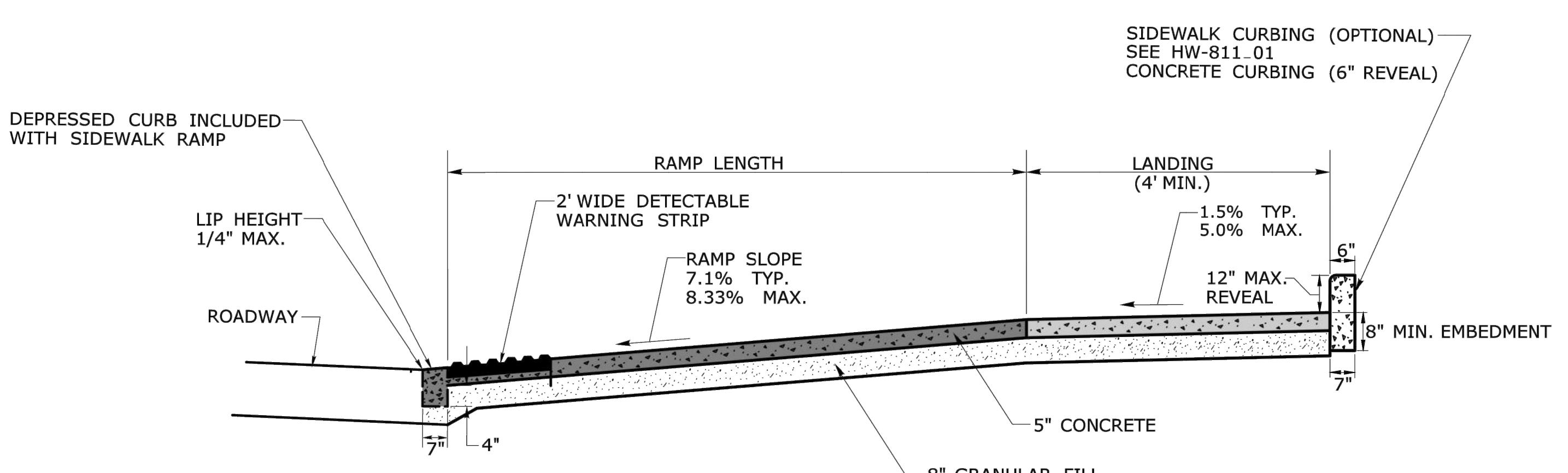
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE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



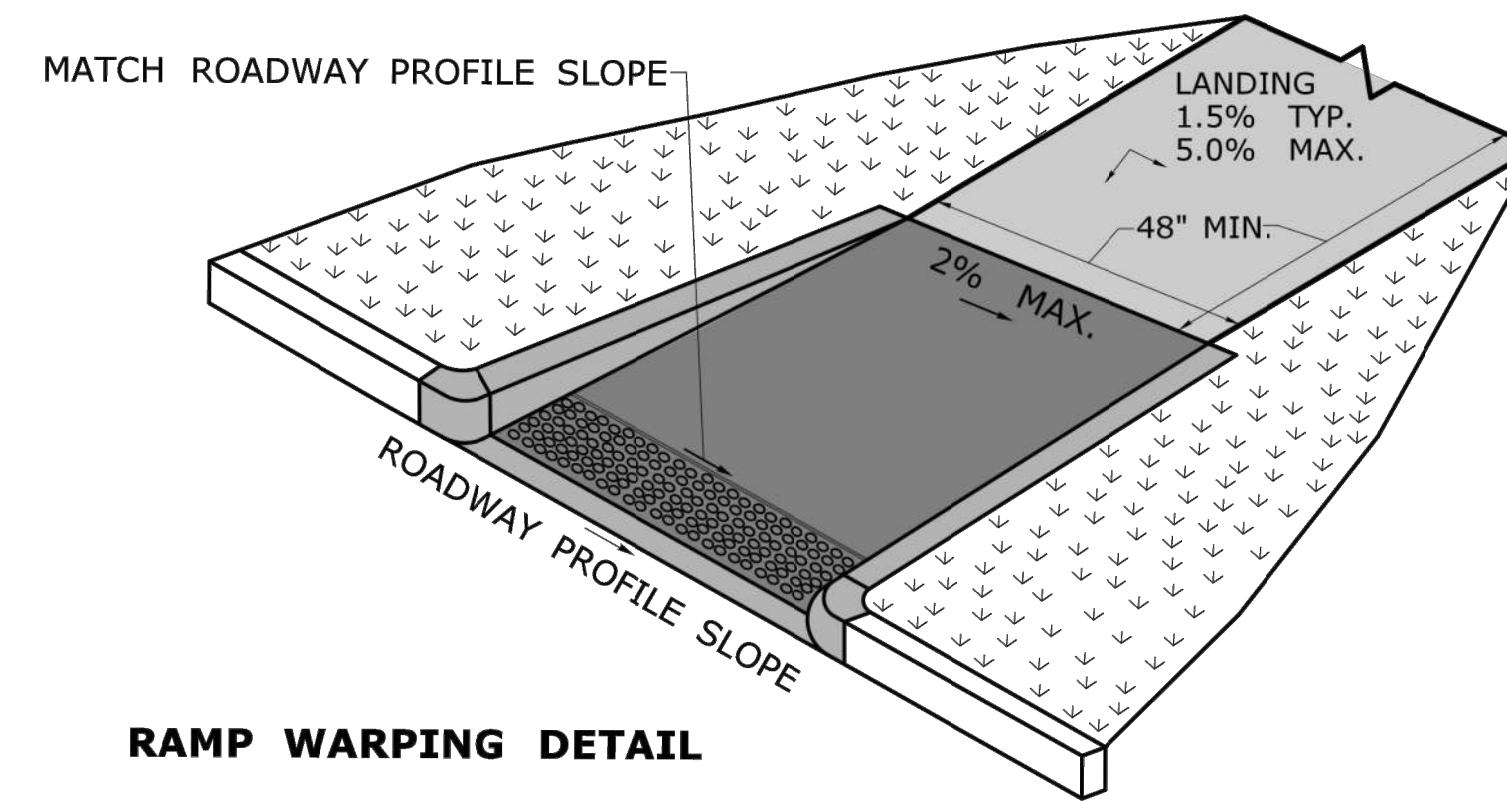
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS



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



SECTION AA



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.

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REVISION DESCRIPTION	REVISION DATE	REVISION SHEET NO.	REVISION PLOTTED DATE	DESIGNER/DRAFTER:	CHECKED BY:	SIGNATURE/BLOCK:	PROJECT TITLE:	TOWN:	PROJECT NO.:
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				STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	APPROVED BY:		-	-	DRAWING NO.:

DTC PROJECT NUMBER: 16-157-176

DTC DRAWING FILE: DT.DWG

SCALE: 1" = 20'

DRAWN BY: JLW

DATE: 03/06/2020

CHECKED BY: --

SHEET:

DT.01

ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT

DESIGN DOCUMENTS

DETAILS

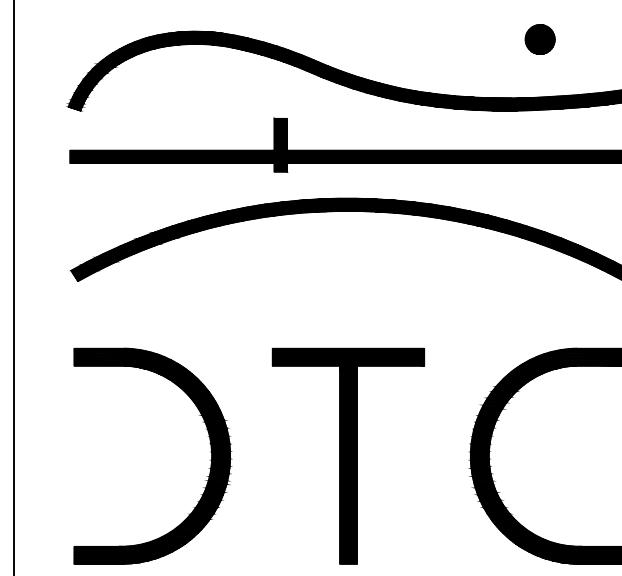
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REVISIONS

2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
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NOTES:

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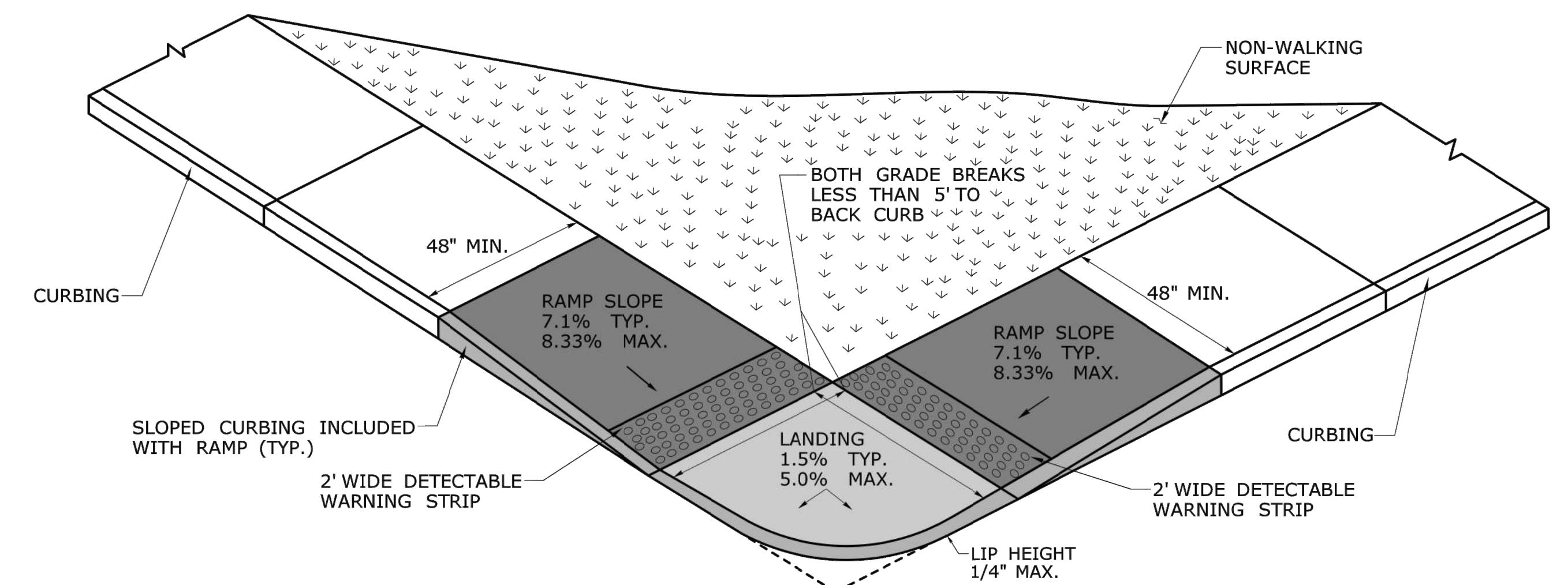


ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

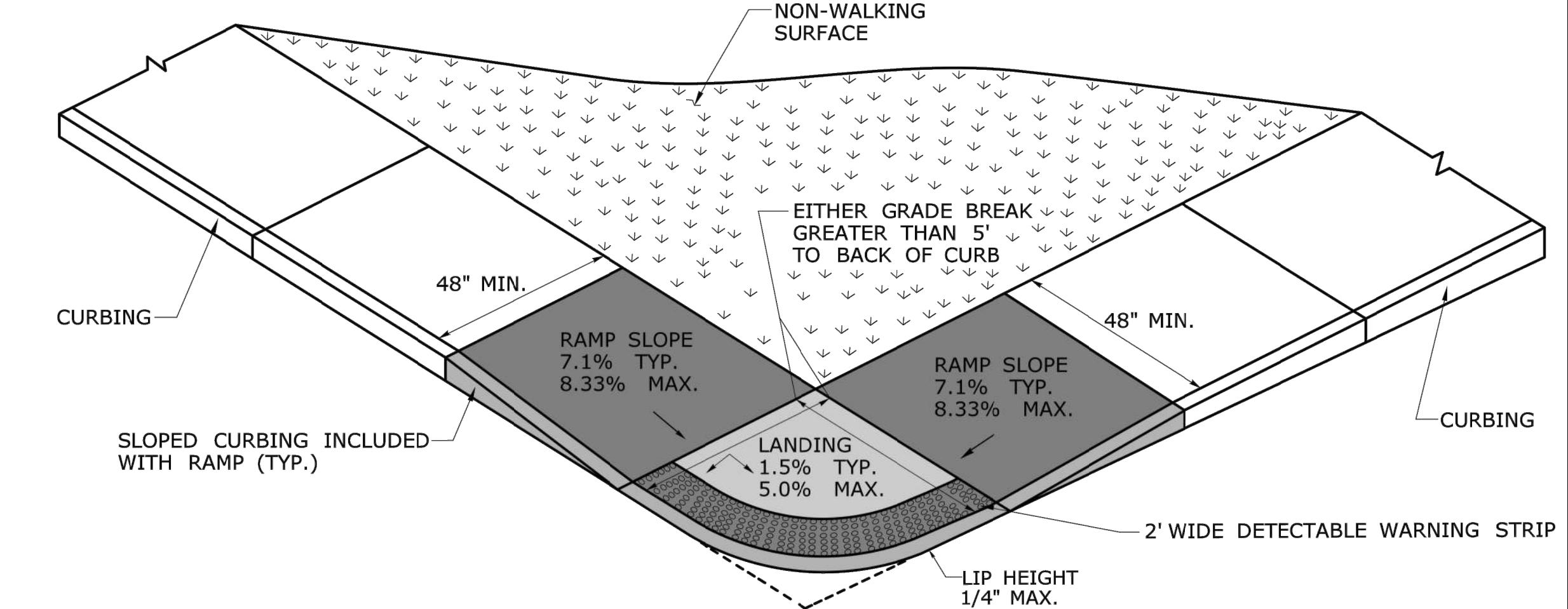
DESIGN DOCUMENTS

DETAILS

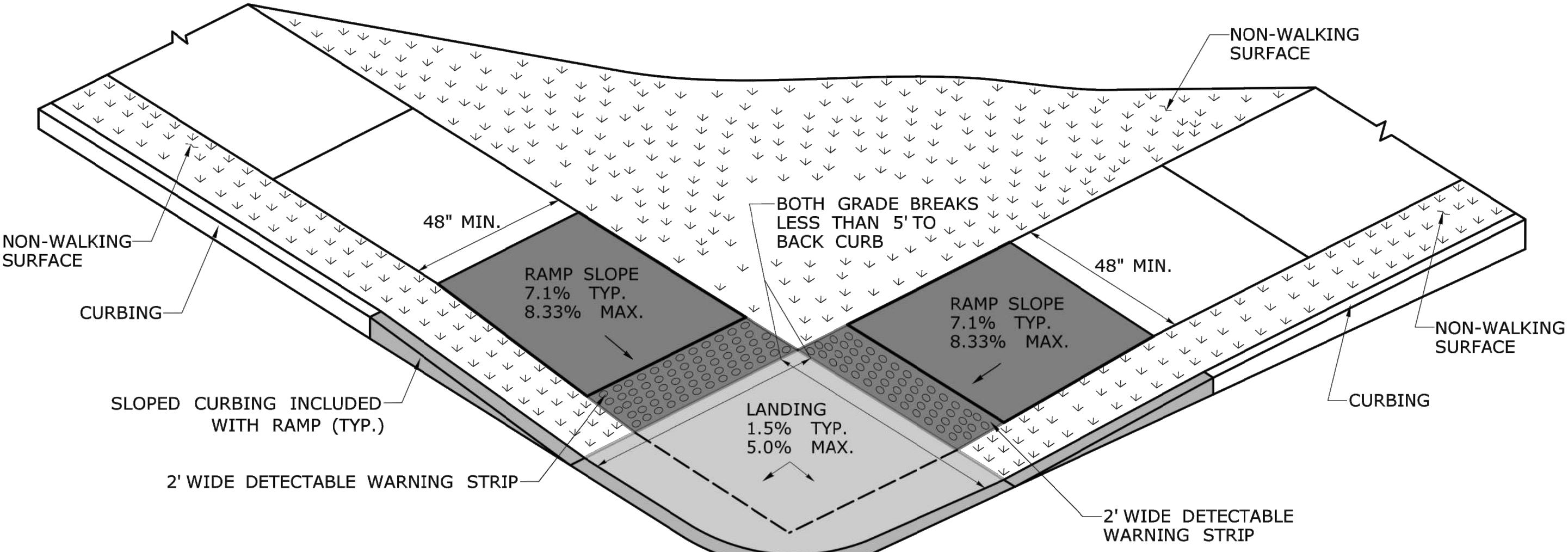
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SCALE:	1" = 20'
DRAWN BY:	JLW
DATE:	03/06/2020
CHECKED BY:	--
SHEET:	DT.02



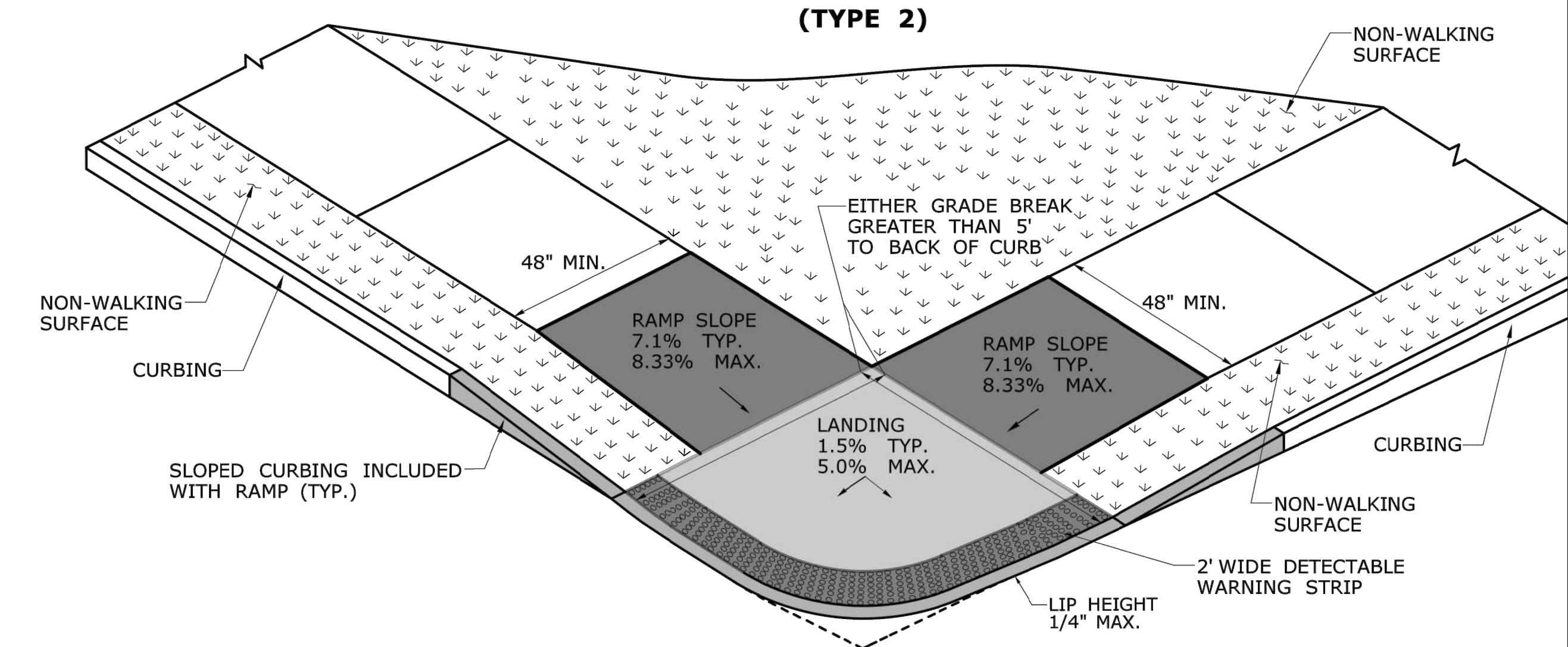
PERPENDICULAR RAMP
WITH A GRADE BREAK OF 5' OR LESS
(TYPE 1)



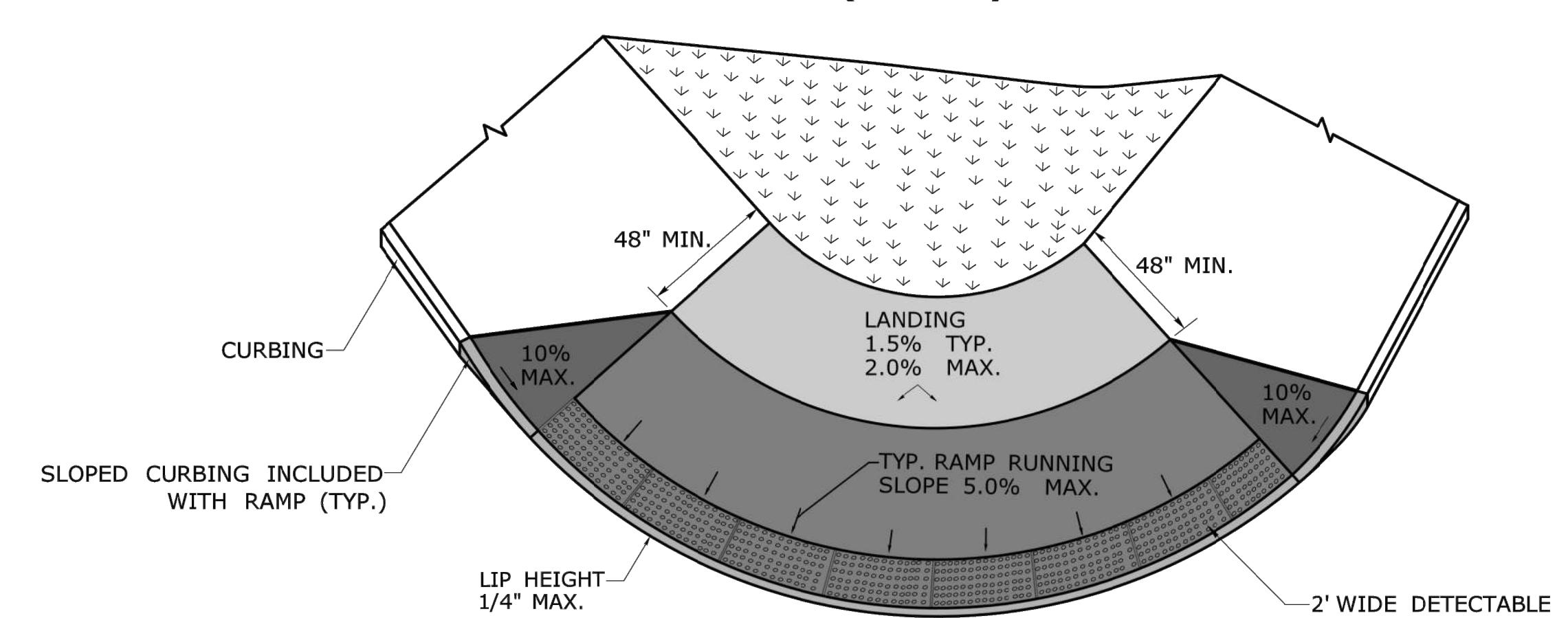
BLENDED TRANSITION
WITH GRADE BREAK GREATER THAN 5'
(TYPE 2)



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



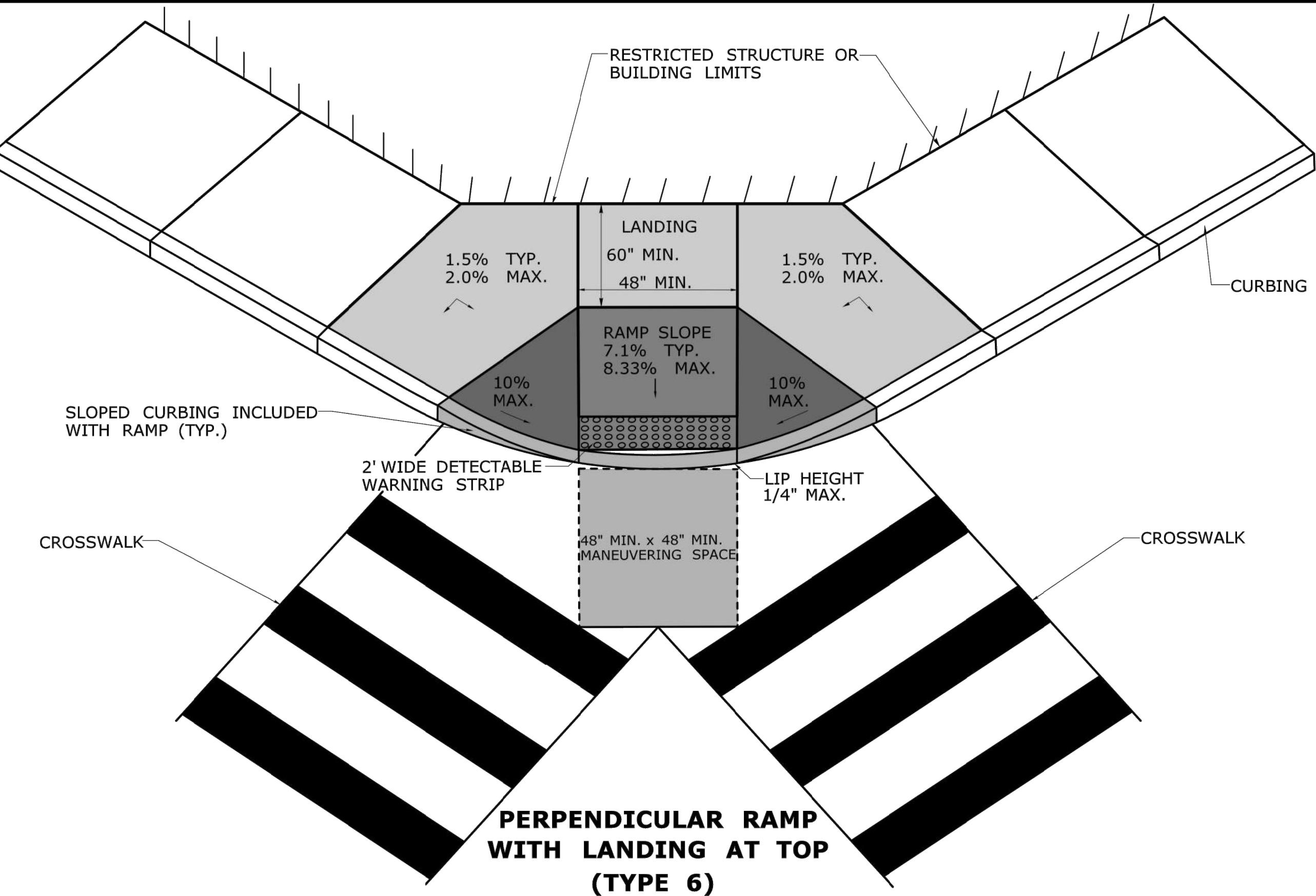
BLENDED TRANSITION
WITH A GRADE BREAK
TO BACK OF CURB GREATER THAN 5'
(TYPE 4)



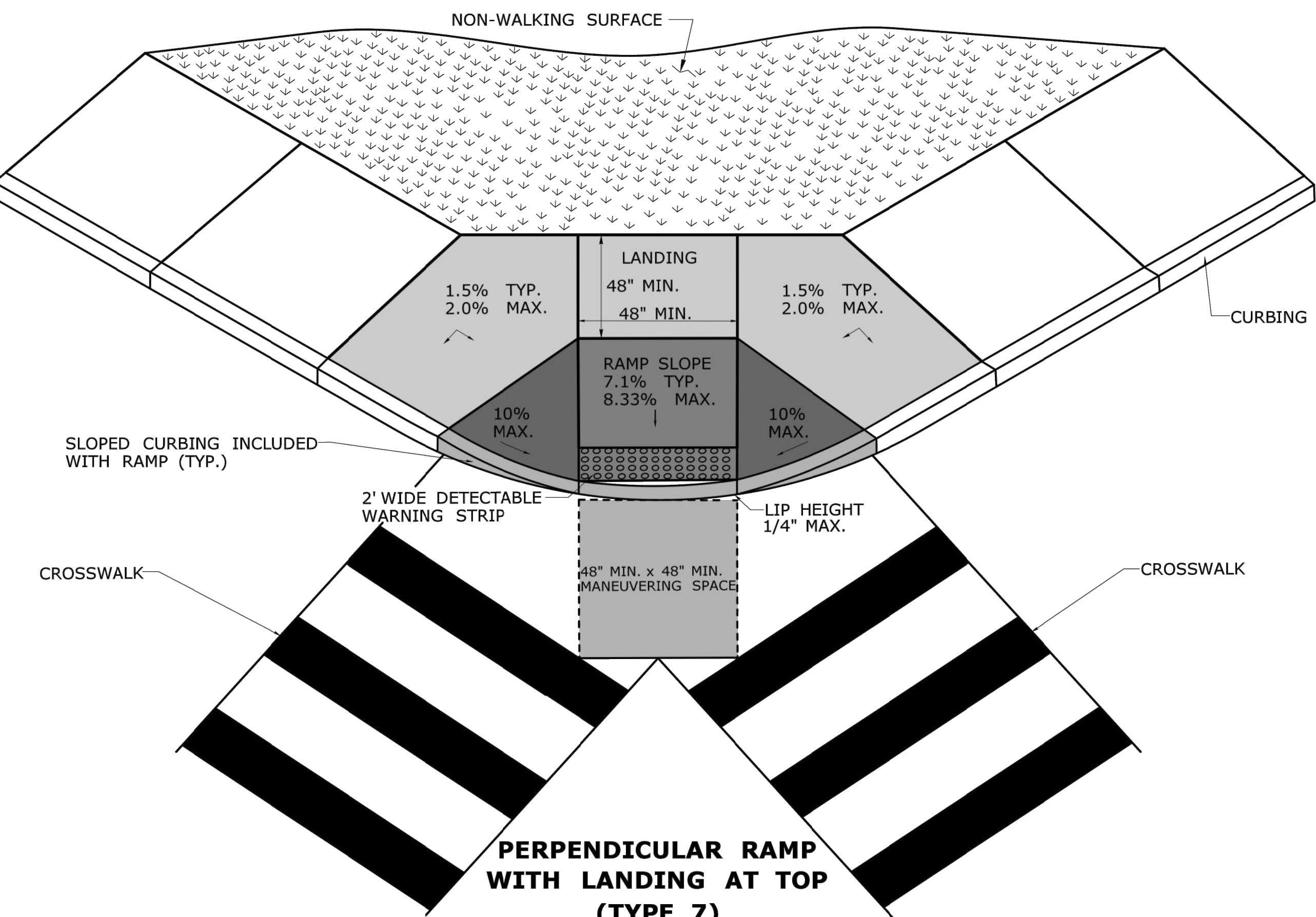
BLENDED TRANSITION
WITH LANDING AT TOP
(TYPE 5)

DESIGN INITIATED CHANGE ORDER NO. Y - m

REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019	DESIGNER/DRAFTER: CHECKED BY:	SIGNATURE/ BLOCK: APPROVED BY: OFFICE OF ENGINEERING	PROJECT TITLE: TOWN: DRAWING TITLE: CONCRETE SIDEWALK RAMPS - SHEET 2



PERPENDICULAR RAMP WITH LANDING AT TOP (TYPE 6)

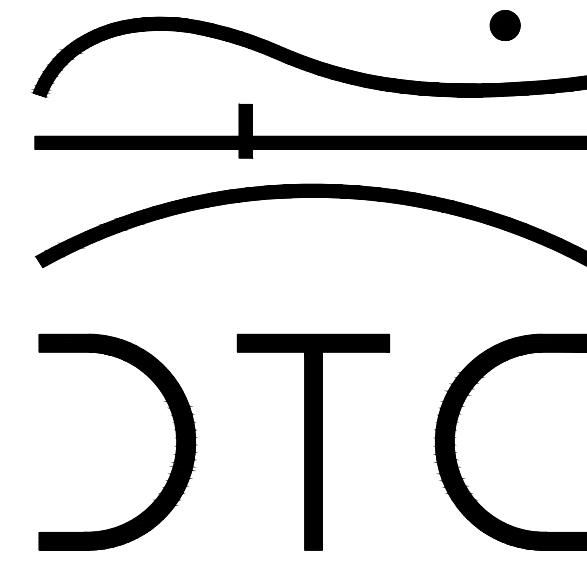


PERPENDICULAR RAMP WITH LANDING AT TOP (TYPE 7)

DESIGN INITIATED CHANGE ORDER NO. Y - m

NOTES:

REVISIONS



ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT

DESIGN DOCUMENTS

DETAILS

DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: DT.DWG
SCALE: 1" = 20'
DRAWN BY: JLW
DATE: 03/06/2020
CHECKED BY: --
SHEET: DT.04

DESIGN INITIATED CHANGE ORDER NO. Y - M



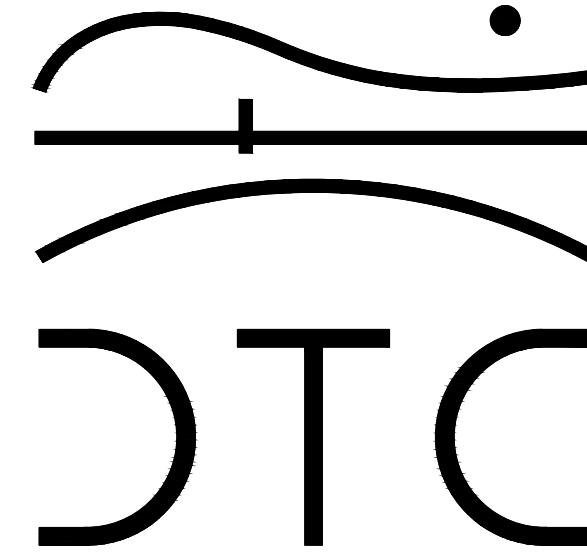
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OFFICE OF ENGINEERING
APPROVED BY:
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PROJECT TITLE:
-
-
-
TOWN: -
DRAWING TITLE:
**CONCRETE SIDEWALK
RAMPS SHEET 4**

REV. DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019

NOTES:

REVISIONS

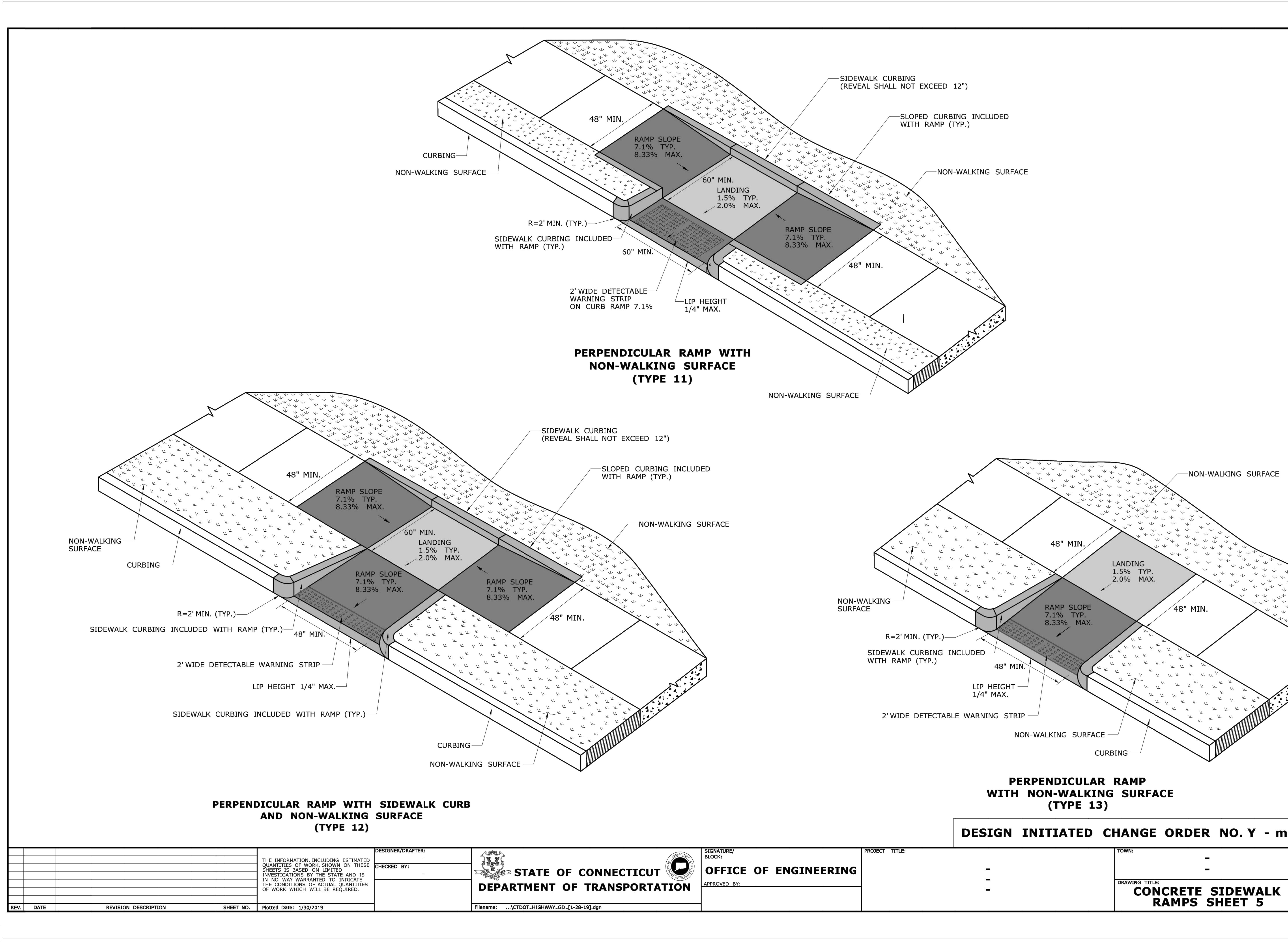


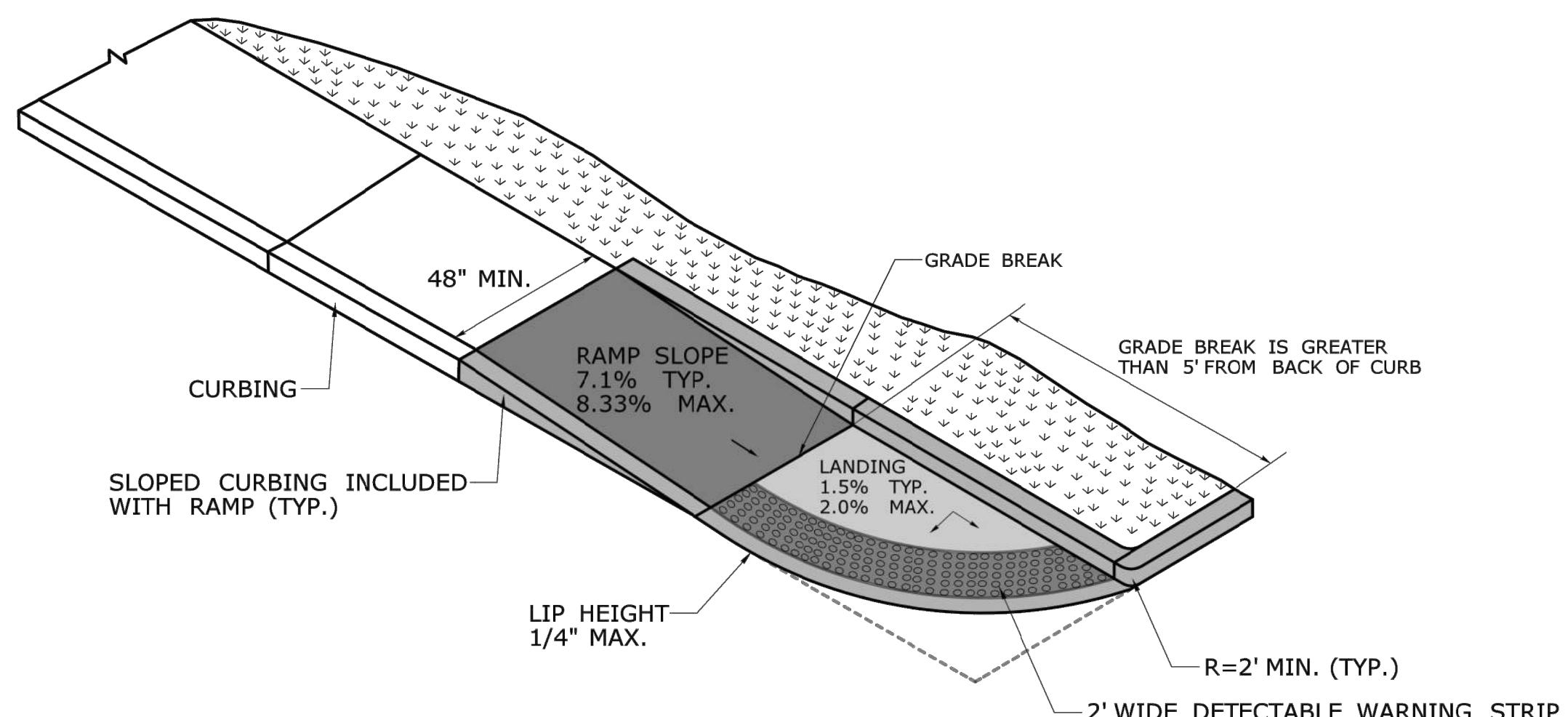
ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT

DESIGN DOCUMENTS

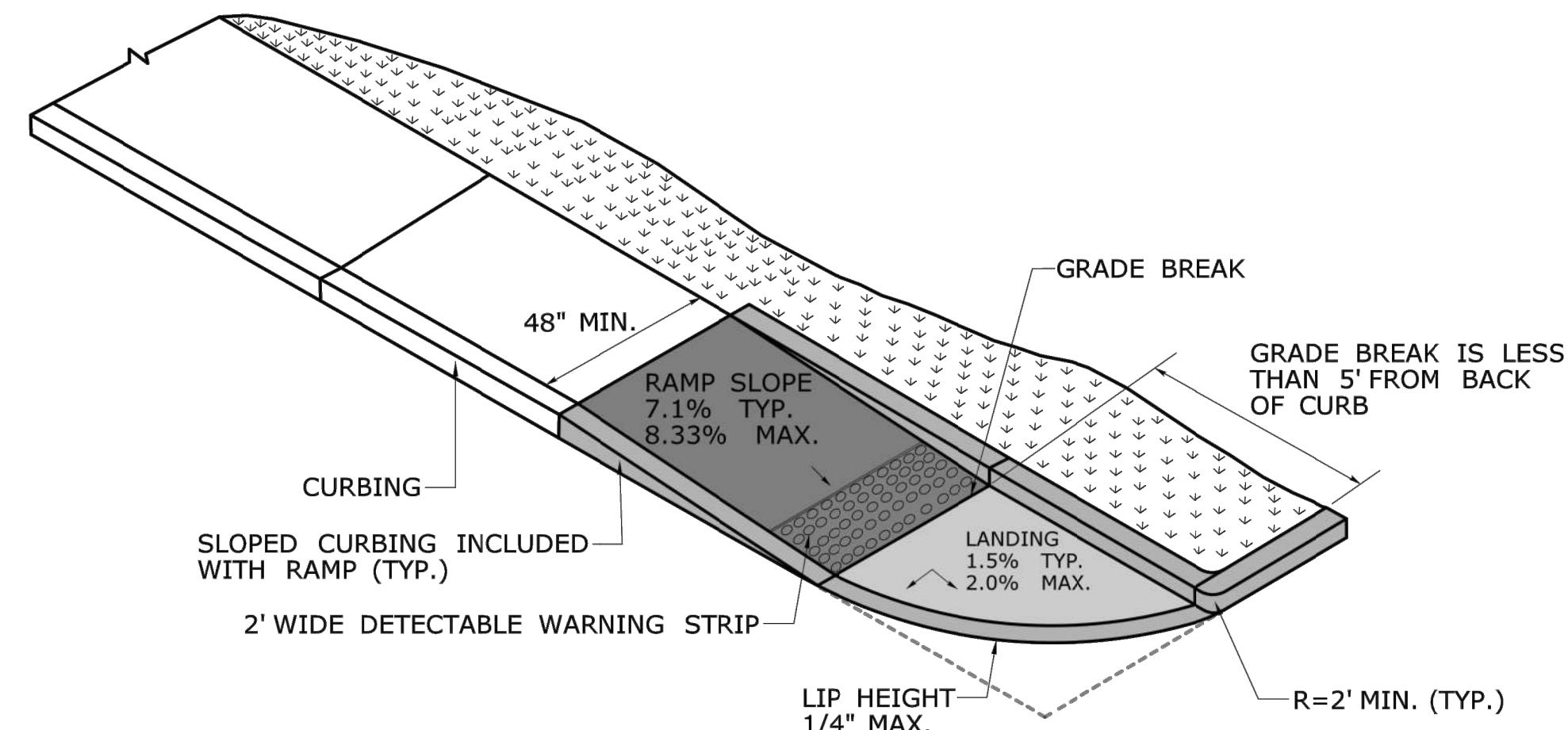
DETAILS

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DATE: 03/06/2020	CHECKED BY: --
SHEET: DT.05	

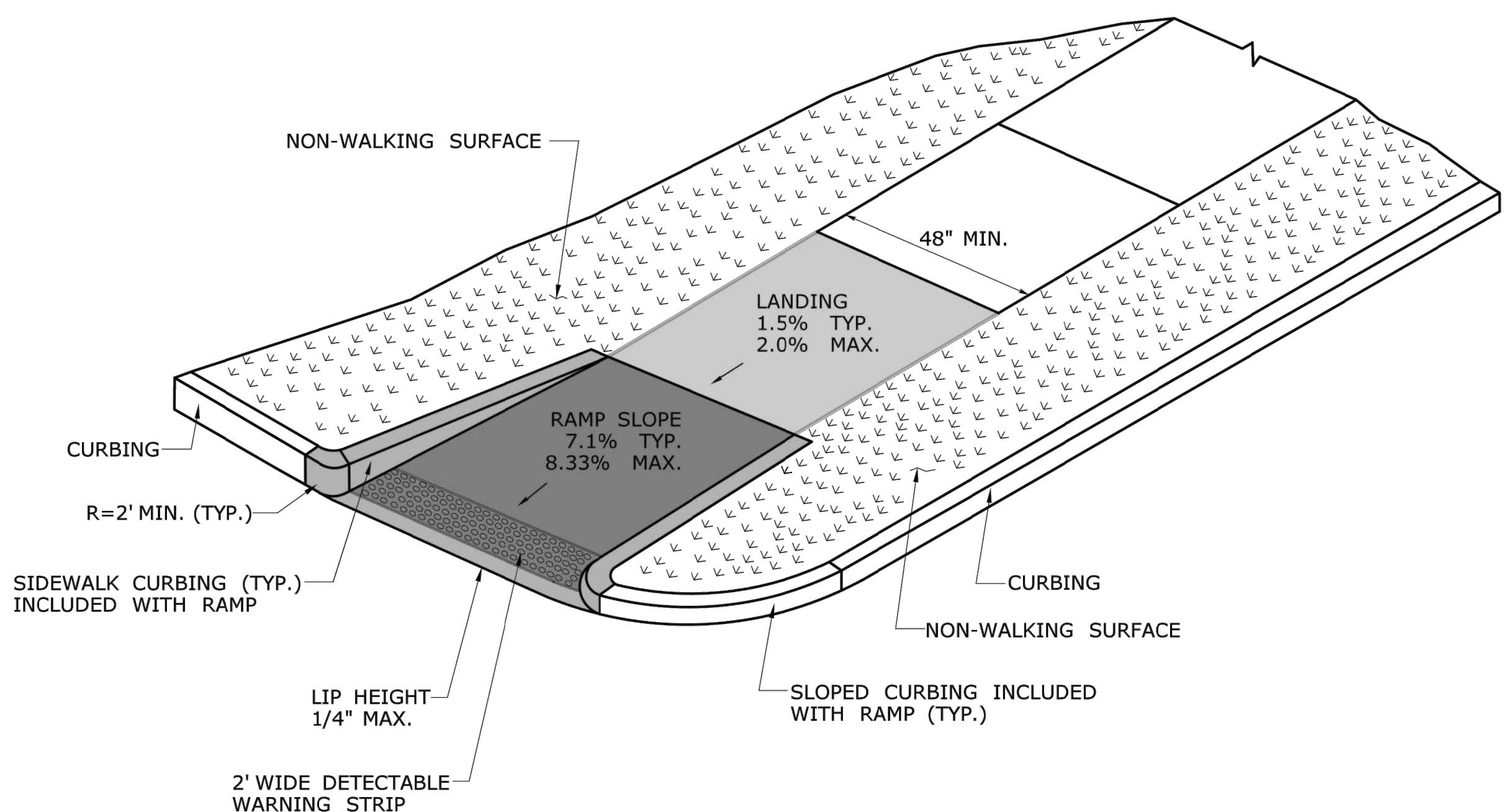




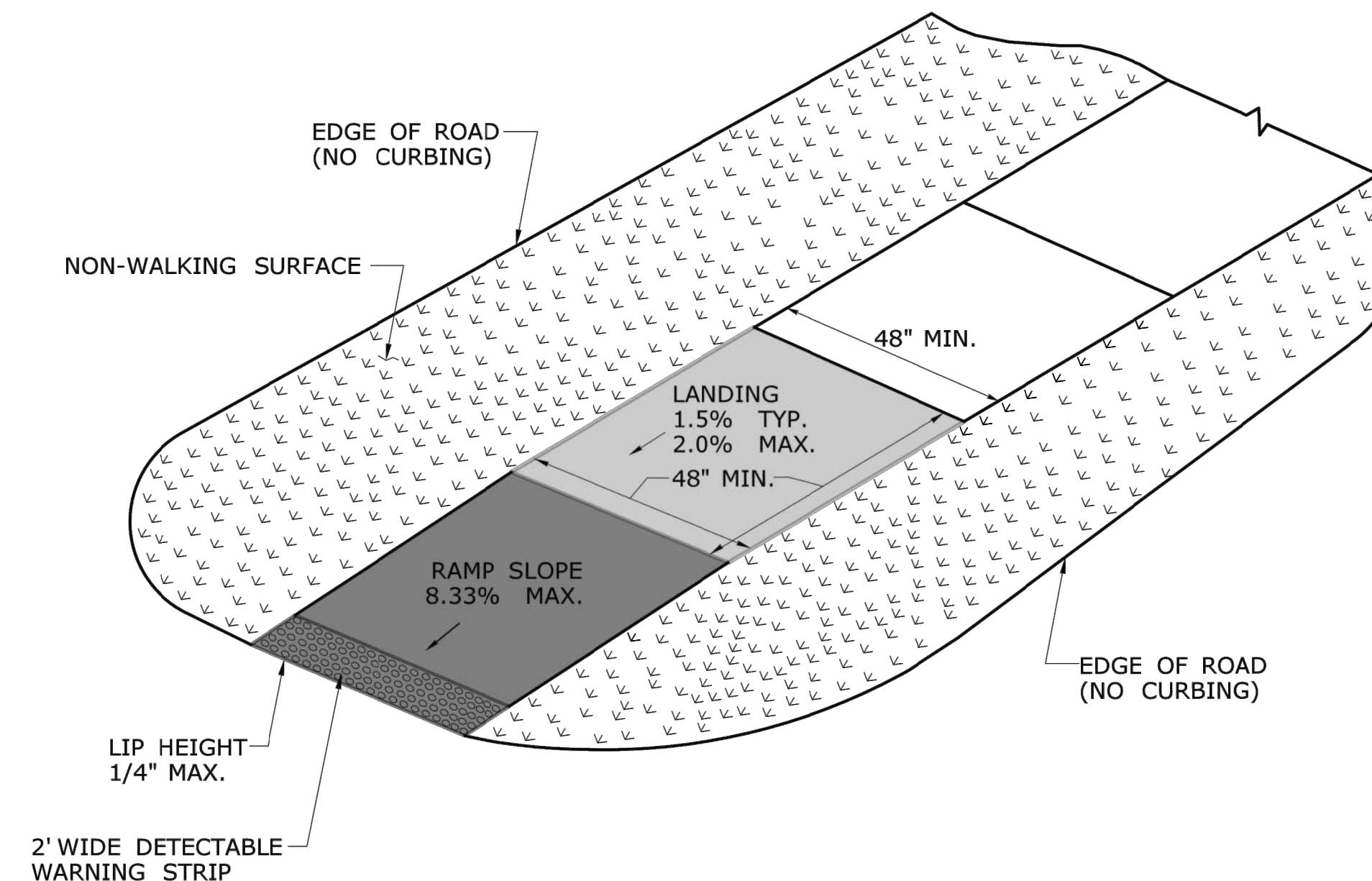
**SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK GREATER THAN 5'
(TYPE 14)**



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



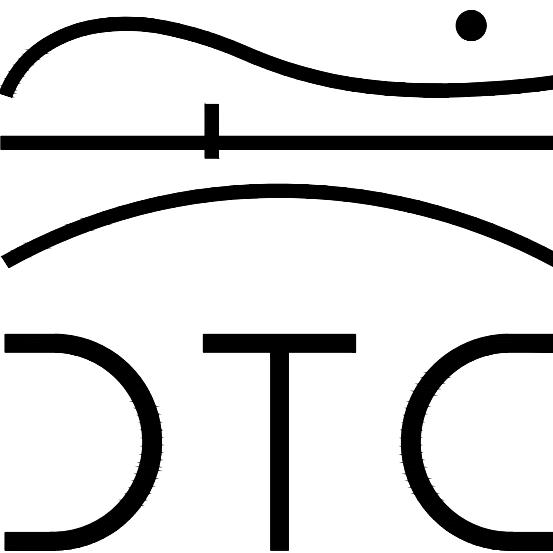
SINGLE DIRECTION - RETURN CURB WITH NON-WALKING SURFACE (TYPE 16)



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

NOTES:

REVISION



2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
Ph: 203 239 4200 Fax: 203 234 7376

ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS

DETAILS

<p>TION, INCLUDING ESTIMATED F WORK, SHOWN ON THESE ASED ON LIMITED NS BY THE STATE AND IS ARRANTED TO INDICATE NS OF ACTUAL QUANTITIES ICH WILL BE REQUIRED.</p>	<p>DESIGNER/DRAFTER: - CHECKED BY: - -</p>
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	SIGNATURE/ BLOCK:	OFFICE OF ENGINEERING
	APPROVED BY:	

PROJECT TITLE:

DESIGN INITIATED CHANGE ORDER NO. Y - m

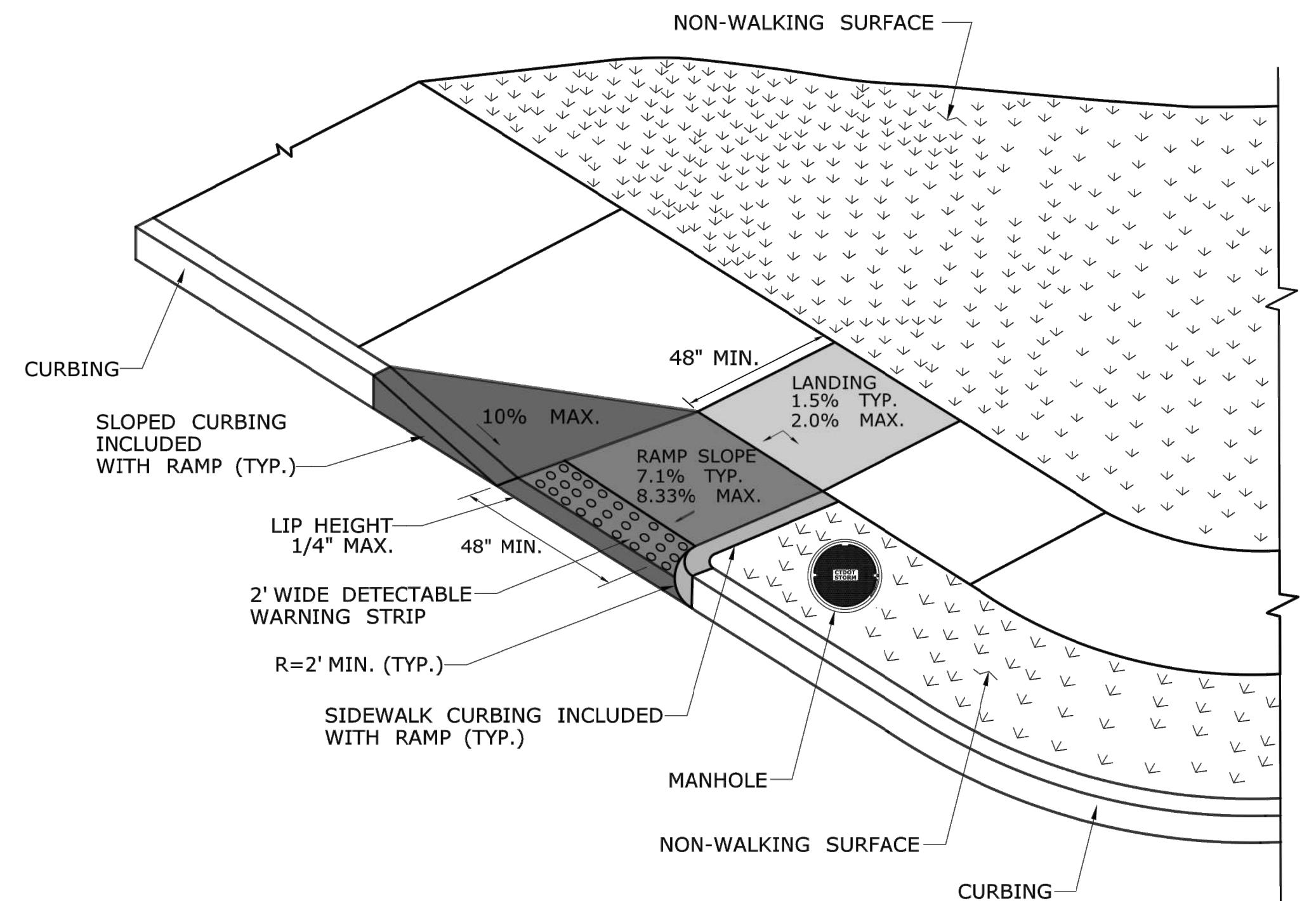
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	<p>DRAWING TITLE:</p> <p>CONCRETE SIDEWALK RAMPS SHEET 6</p>

DTC PROJECT NUMBER: 16-157-176

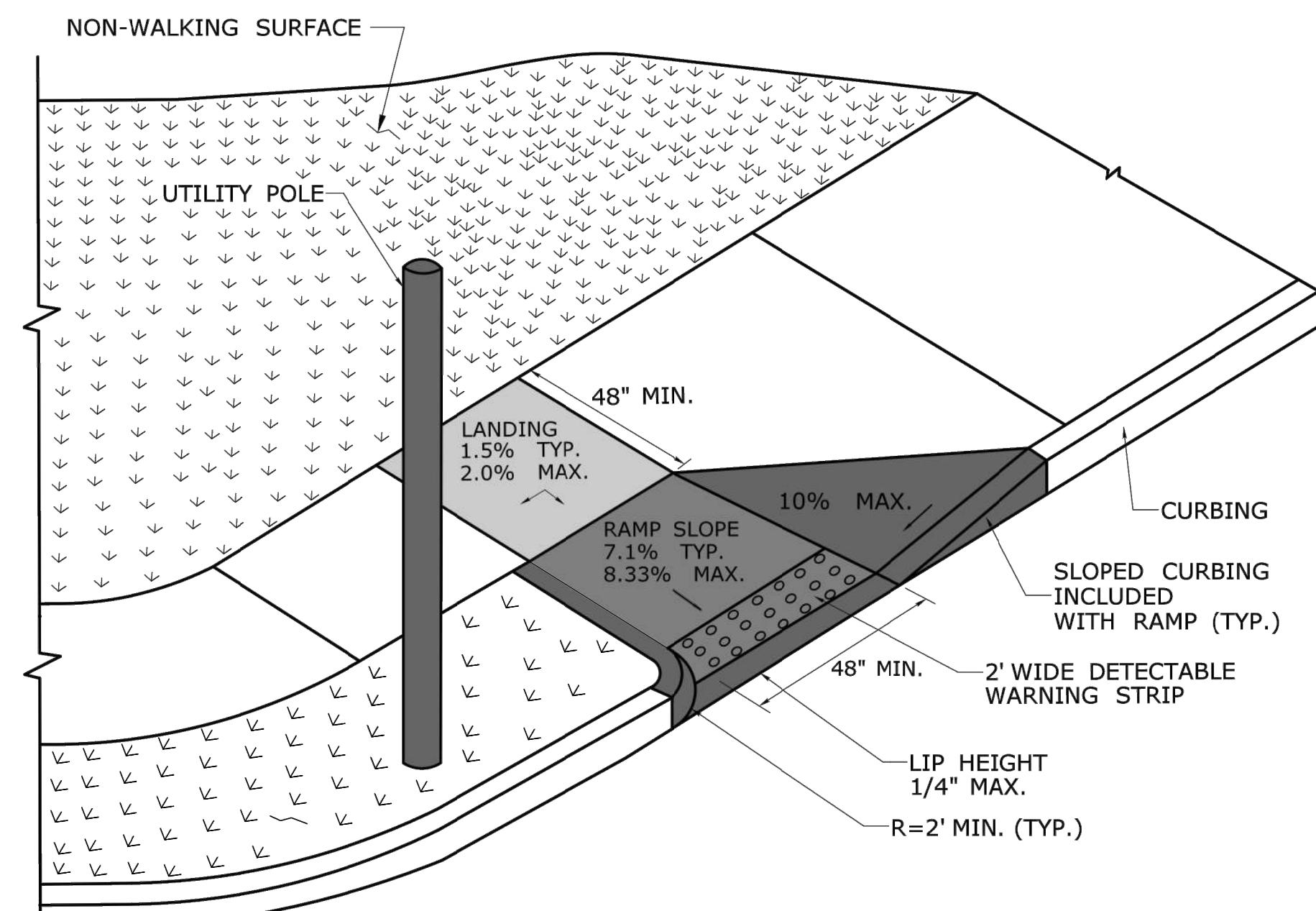
DTC DRAWING FILE: DT.DWG

SCALE: 1" = 20'	DRAWN BY: JLW
DATE: 03/06/2020	CHECKED BY: --
SHEET: 1	

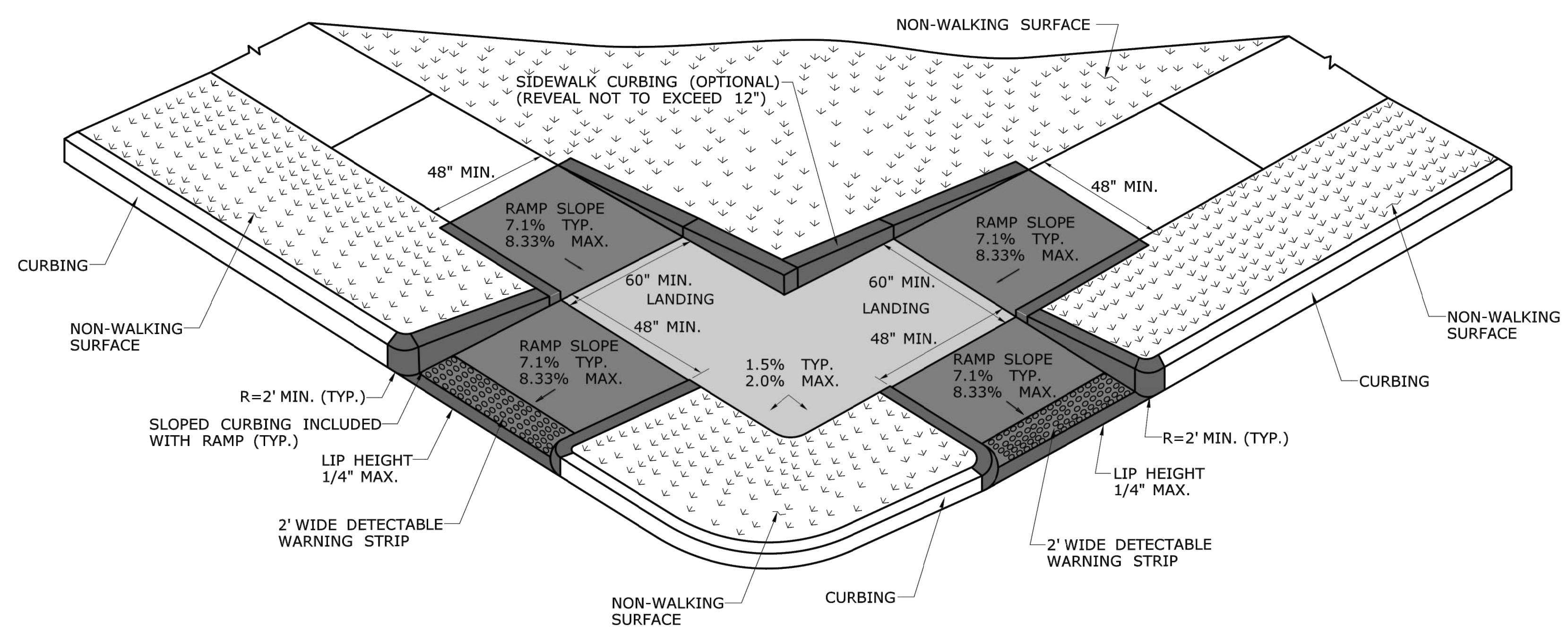
A large, thin-lined circle is positioned on the left side of the frame. To its right is a vertical line that extends from the top to the bottom of the image. The text 'DT.06' is centered within this vertical space.



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



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

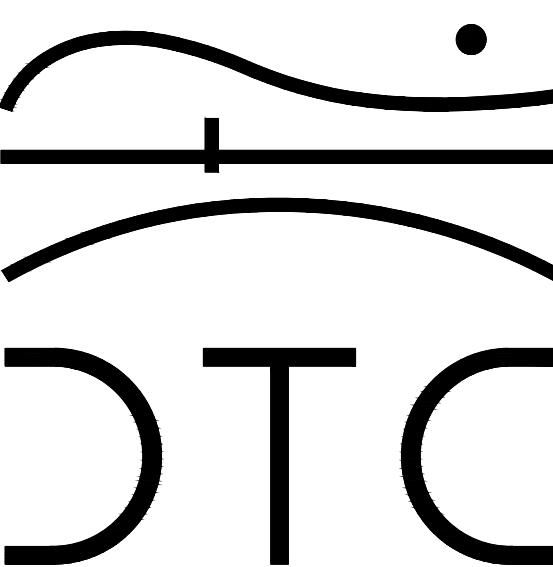


PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 19)

DESIGN INITIATED CHANGE ORDER NO. Y - m

NOTES:

REVISION



ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON CT

DESIGN DOCUMENTS

NUMBER: 16-157-176

NUMBER. 16-157-176

FILE: D1.DWG

DRAWN BY: J

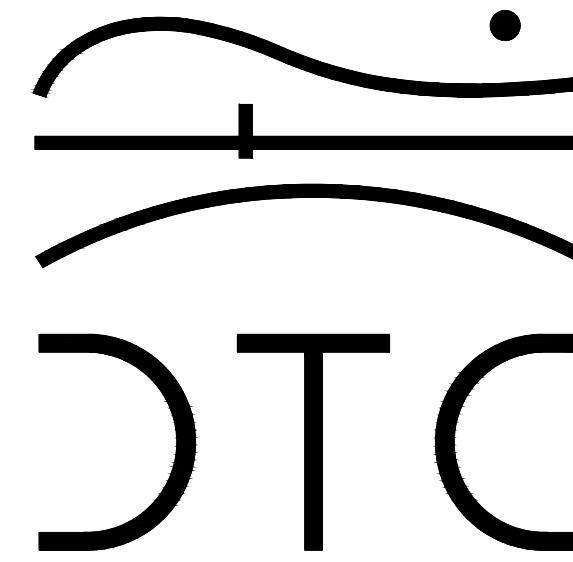
2020 CHECKED BY: -

SHEET:

BT 87

NOTES:

REVISIONS



2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
Ph: 203 239 4200 Fax: 203 234 7376
www.teamdtc.com

ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT

DESIGN DOCUMENTS

DETAILS

DTC PROJECT NUMBER: 16-157-176

DTC DRAWING FILE: DT.DWG

SCALE: 1" = 20'

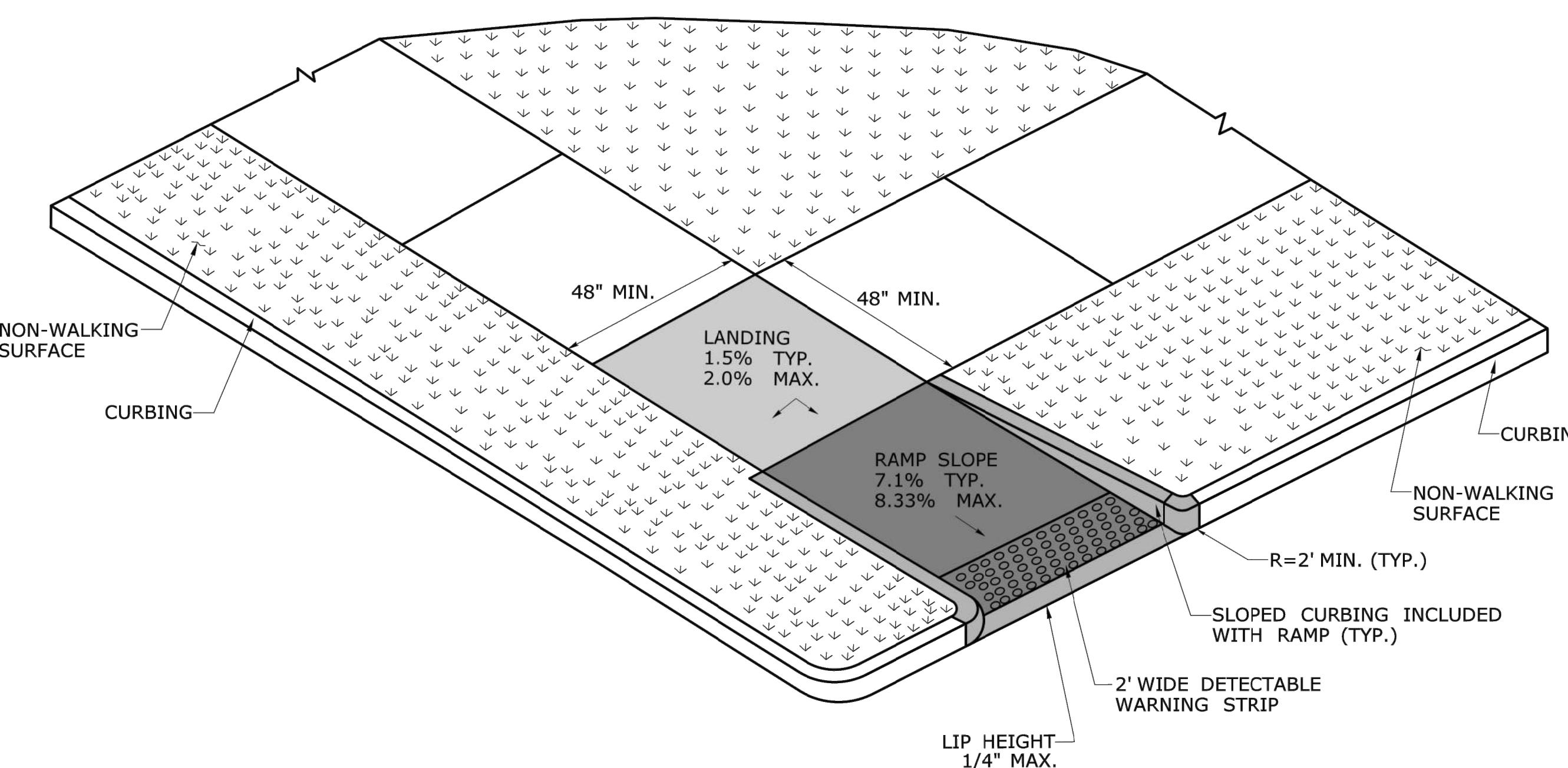
DRAWN BY: JLW

DATE: 03/06/2020

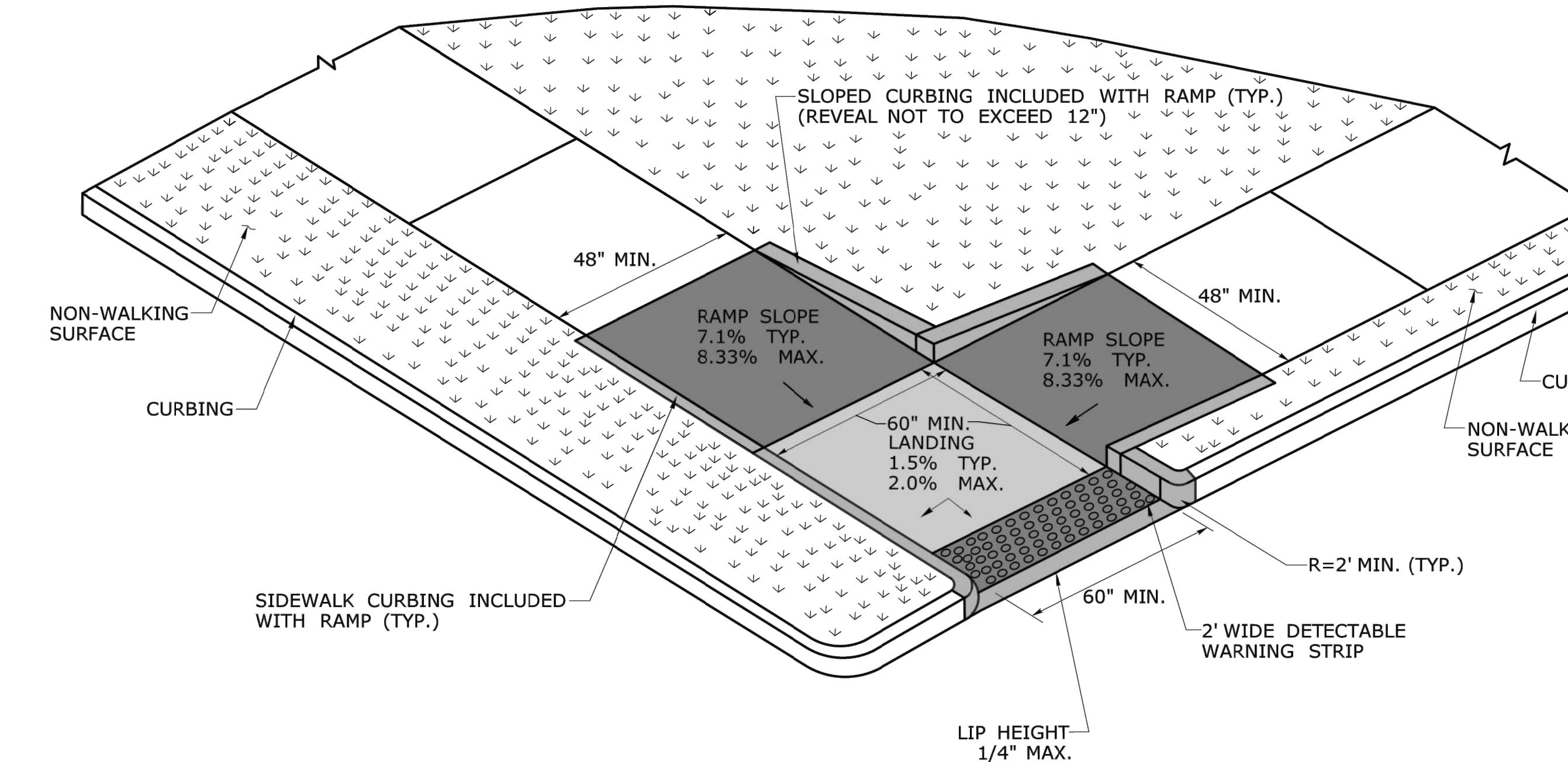
CHECKED BY: --

SHEET:

DT.08



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



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

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES AND COSTS, CONTAINED ON THESE INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INCLINATE THE CONDITIONS OR ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER: -

CHECKED BY: -



SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

Filename: ...\\CTDOT-HIGHWAY.GD-[1-28-19].dgn

PROJECT TITLE: -

-

-

-

TOWN: -

-

-

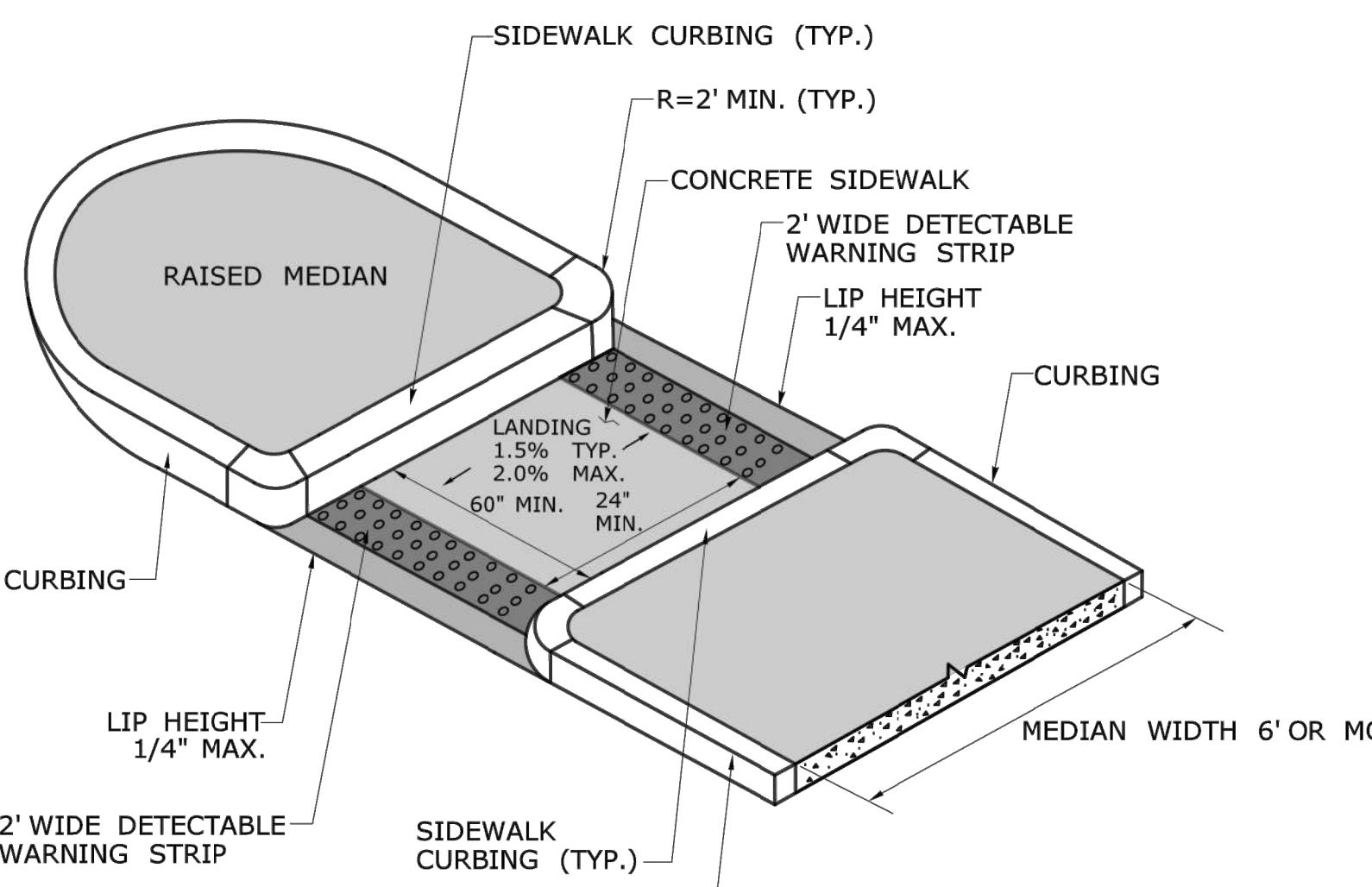
DRAWING TITLE: -

-

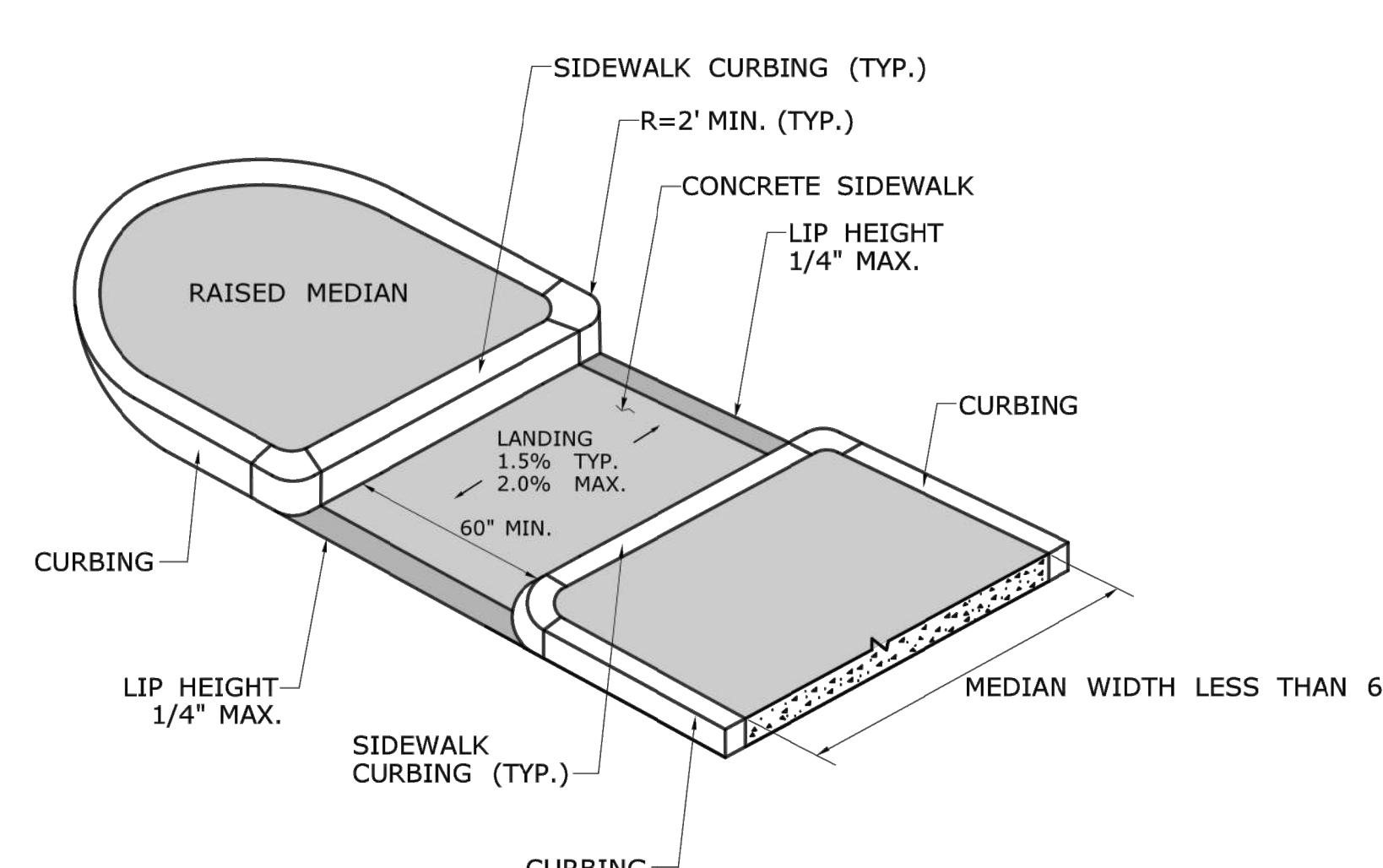
-

CONCRETE SIDEWALK
RAMPS SHEET 8

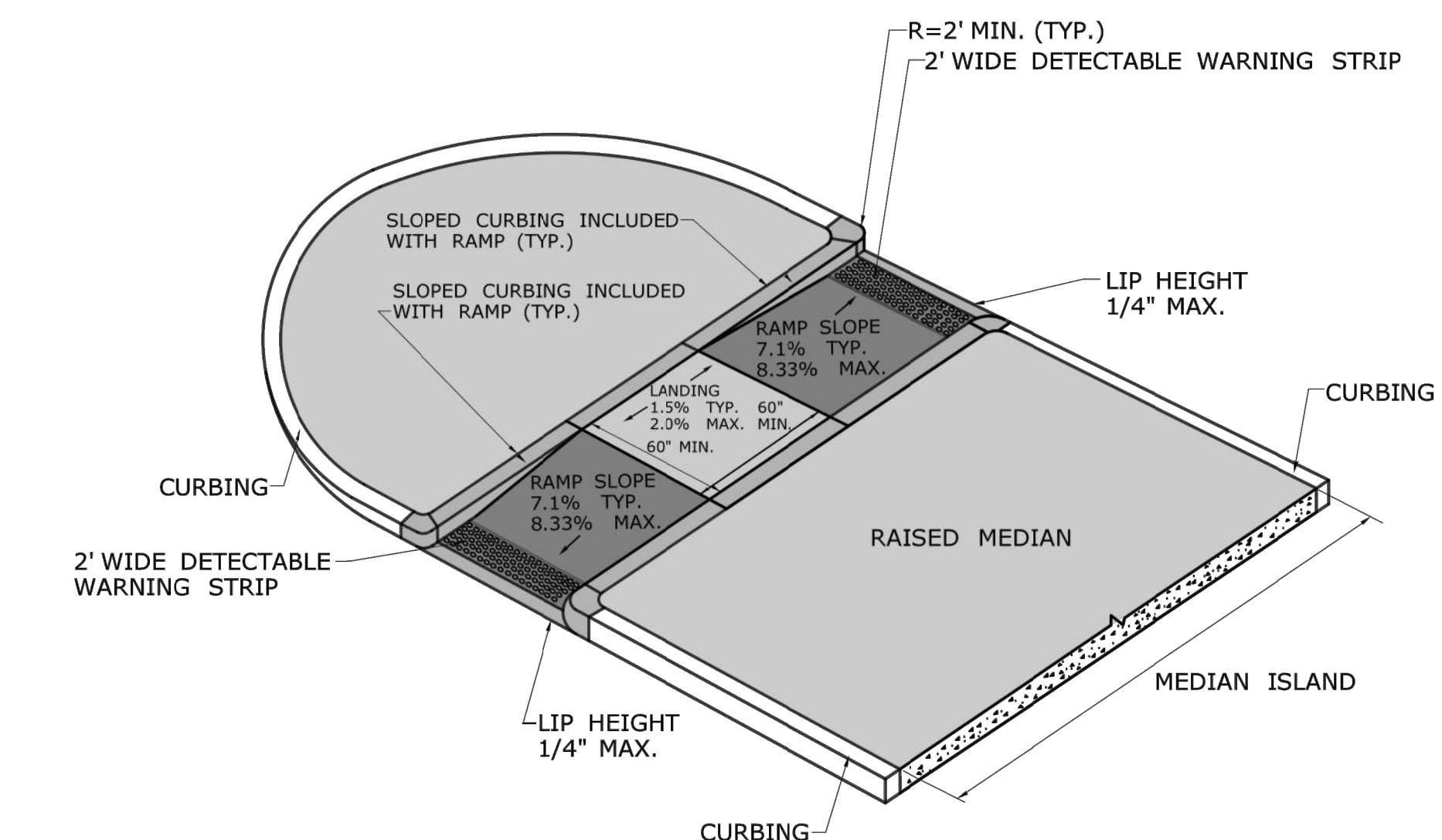
DESIGN INITIATED CHANGE ORDER NO. Y - m



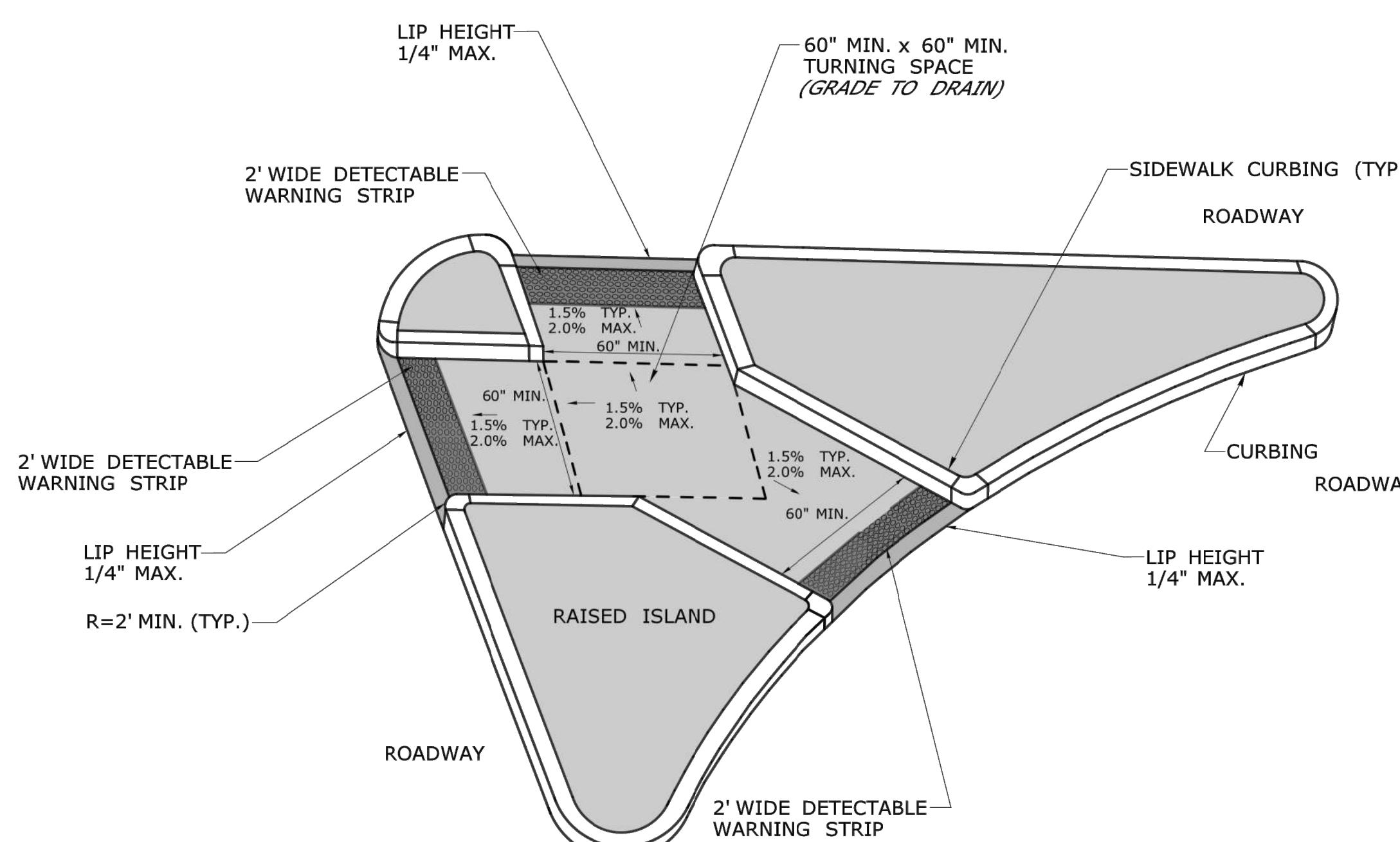
**CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH 6' OR MORE
(TYPE 22)**



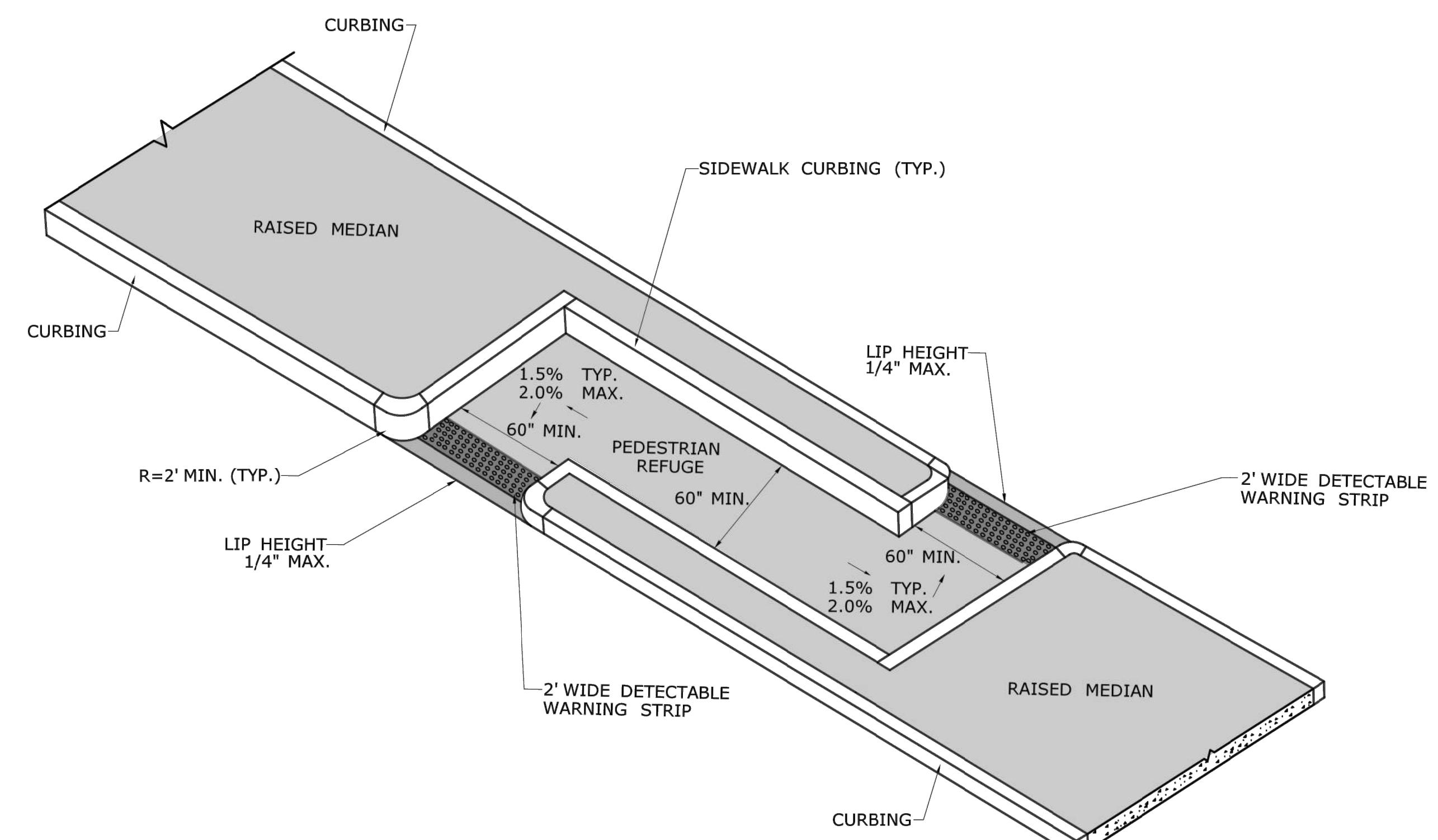
**CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH LESS THAN 6'
(TYPE 23)**



PEDESTRIAN REFUGE ISLAND WITH LANDING AND RAMPS (TYPE 24)

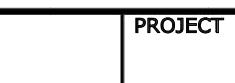


CUT-THROUGH PEDESTRIAN REFUGE ISLAND (TYPE 25)



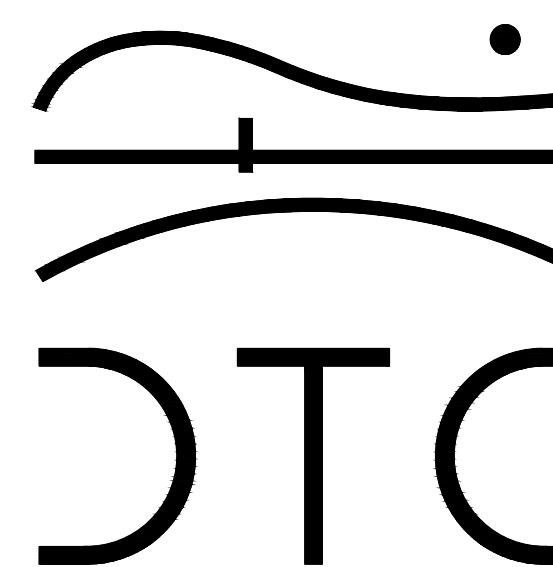
CUT-THROUGH PEDESTRIAN REFUGE ISLAND OFFSET CONFIGURATION (TYPE 26)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

<p>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.</p>				DESIGNER/DRAFTER:	-	<p>PROJECT TITLE: TOWN: PROJECT NO. - SIGNATURE/ BLOCK: DRAWING NO. - APPROVED BY: DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 9</p>		
				CHECKED BY:	-			
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019		 <p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>		
<p>Filename: ...\\CTDOT_HIGHWAY_GD-[1-28-19].dgn</p>								

NOTES:

REVISION



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ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS

DETAILS

PTC PROJECT NUMBER: 16-157-176

DTC DRAWING FILE: DT.DWG

SCALE: 1" = 20'

SCALED: 1 - 25	DRAWN BY: J
DATE: 03/06/2020	CHECKED BY: -

DATE:	30/06/2020	CHEKED BY:
		SHEET:

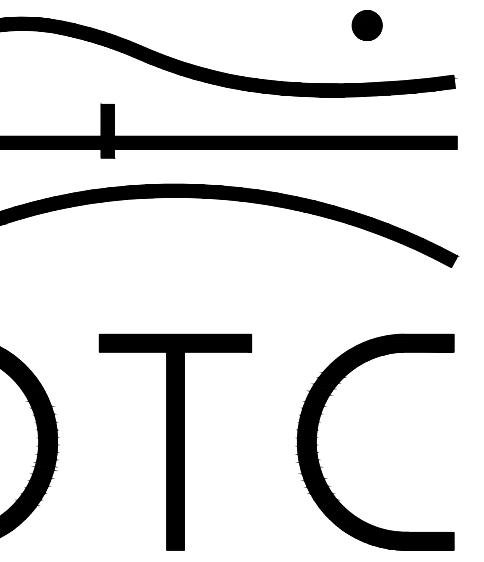
Figure 1. A schematic diagram of the two-stage model of the evolution of the brain. The first stage is the evolution of the brain from a small, simple structure to a large, complex structure. The second stage is the evolution of the brain from a large, complex structure to a small, simple structure.

DT OS

DT.03

Figure 10. The effect of the number of hidden neurons on the performance of the proposed model. The proposed model with 10 hidden neurons has the best performance.

DT.09

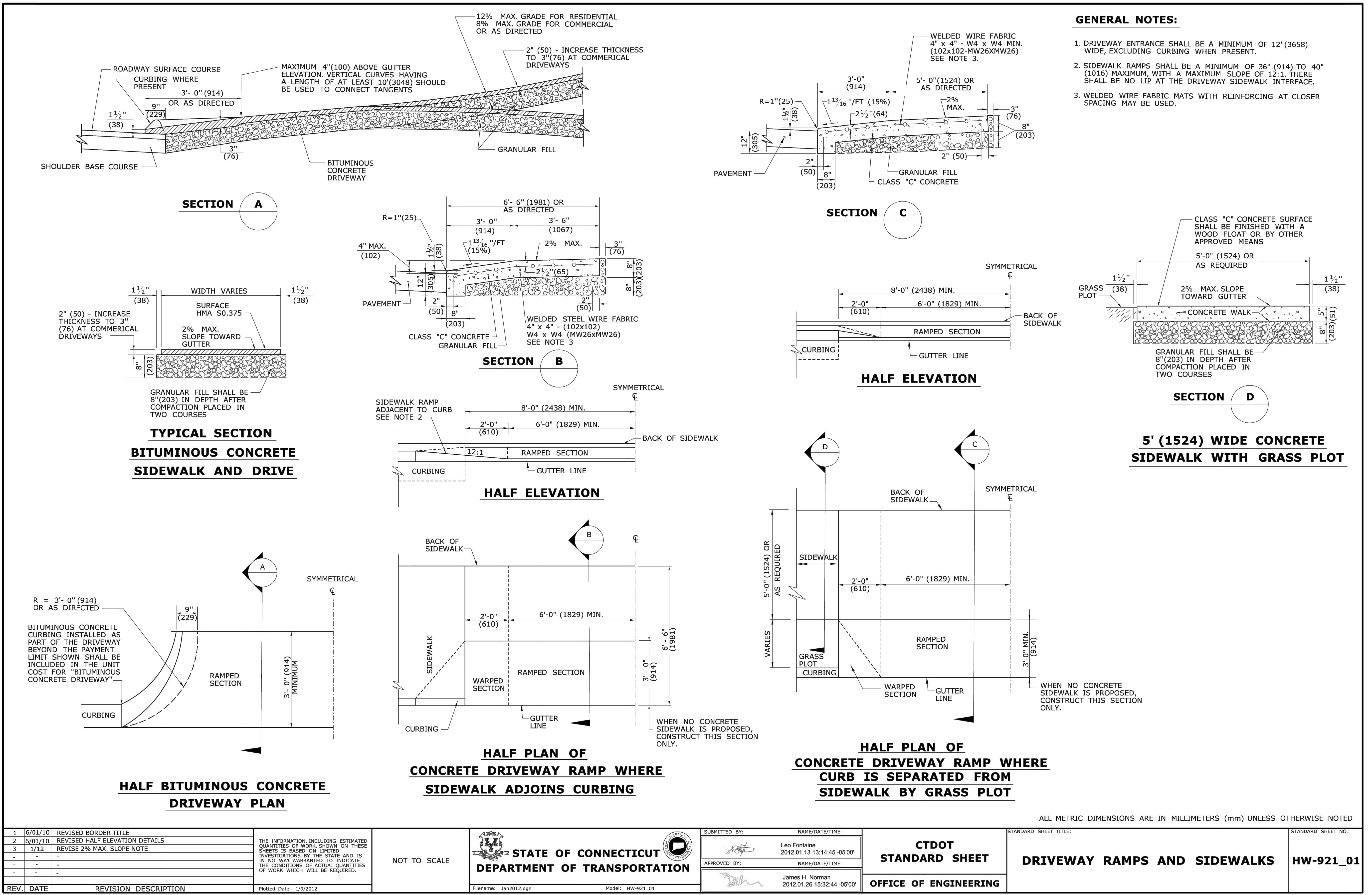


ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS

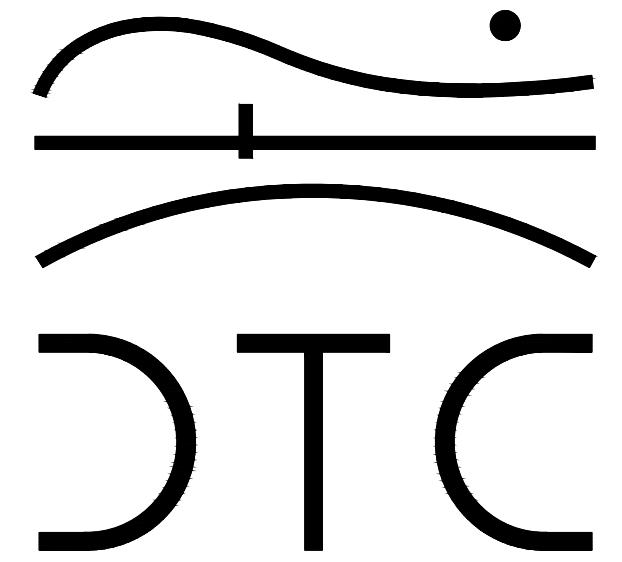
DETAILS

DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: DT.DWG
SCALE: 1" = 20'
DRAWN BY: JLW
DATE: 03/06/2020
CHECKED BY: --
SHEET: DT.10



NOTES:

REVISIONS



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ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT

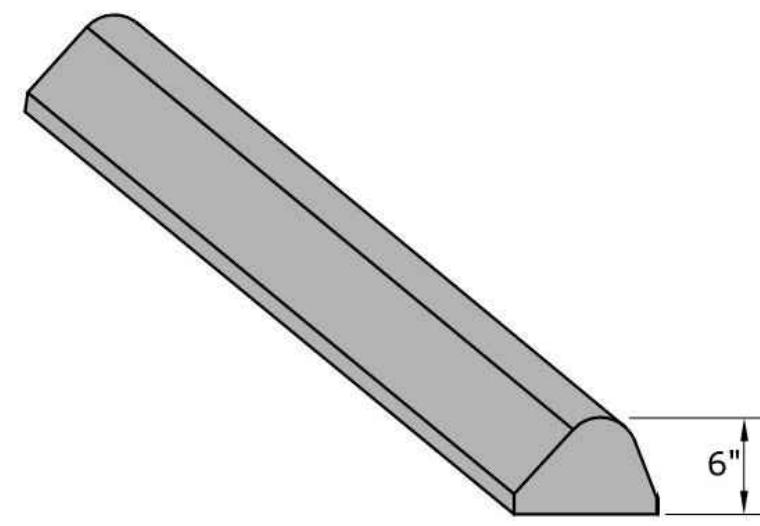
DESIGN DOCUMENTS

DETAILS

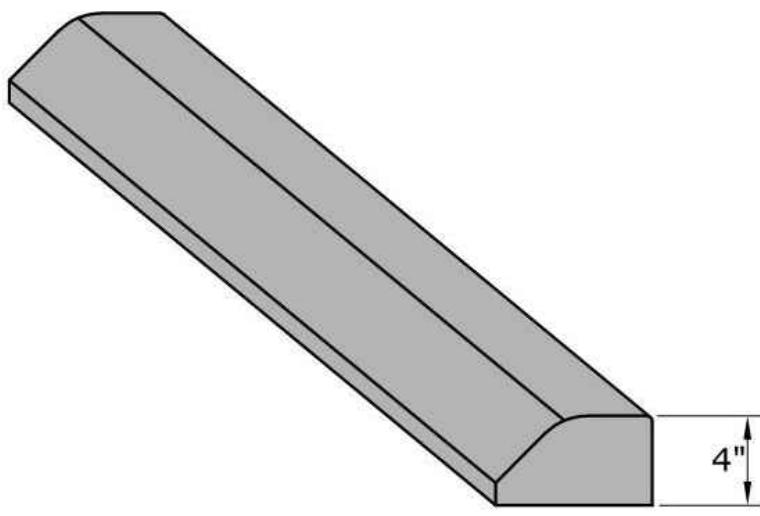
DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: DT.DWG

SCALE: 1" = 20'
DRAWN BY: JLW
DATE: 03/06/2020
CHECKED BY: --

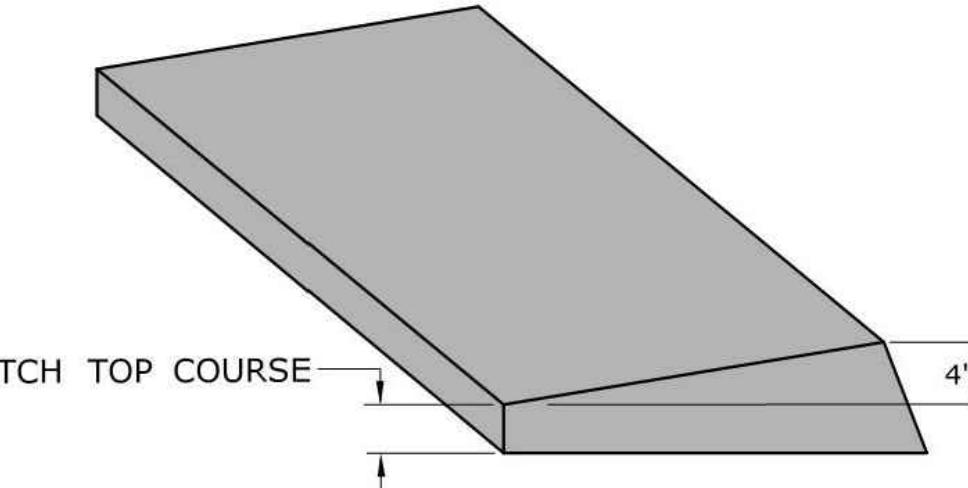
SHEET:
DT.11



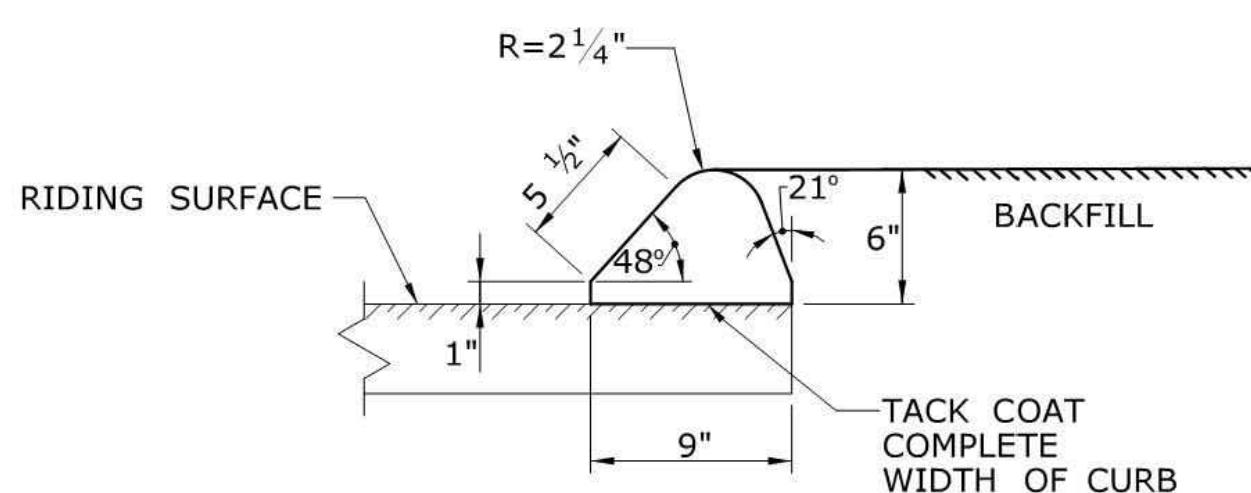
BITUMINOUS CONCRETE LIP CURBING
(6" HIGH)



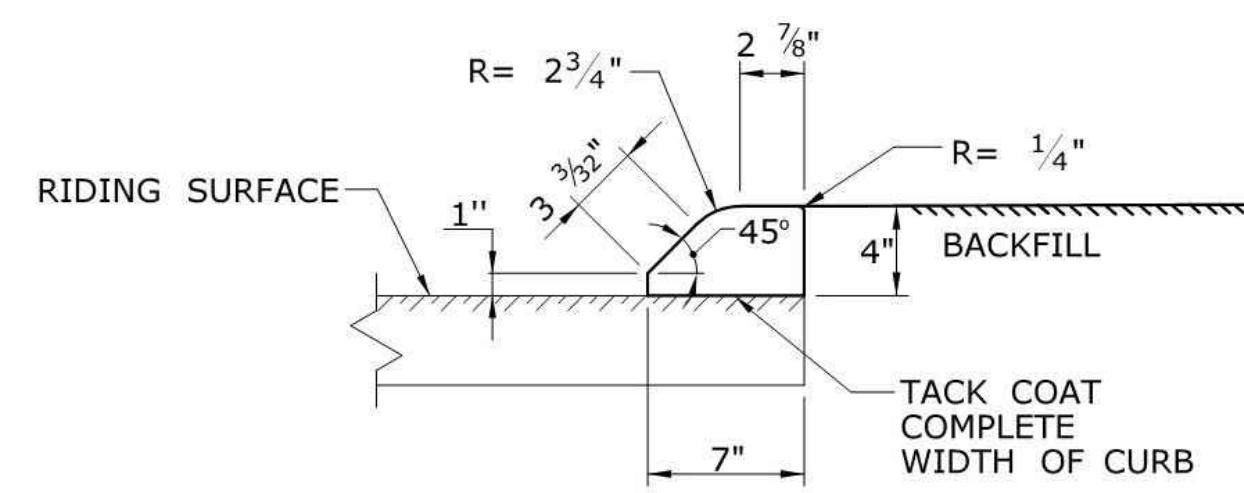
BITUMINOUS CONCRETE PARK CURBING
(4" HIGH)



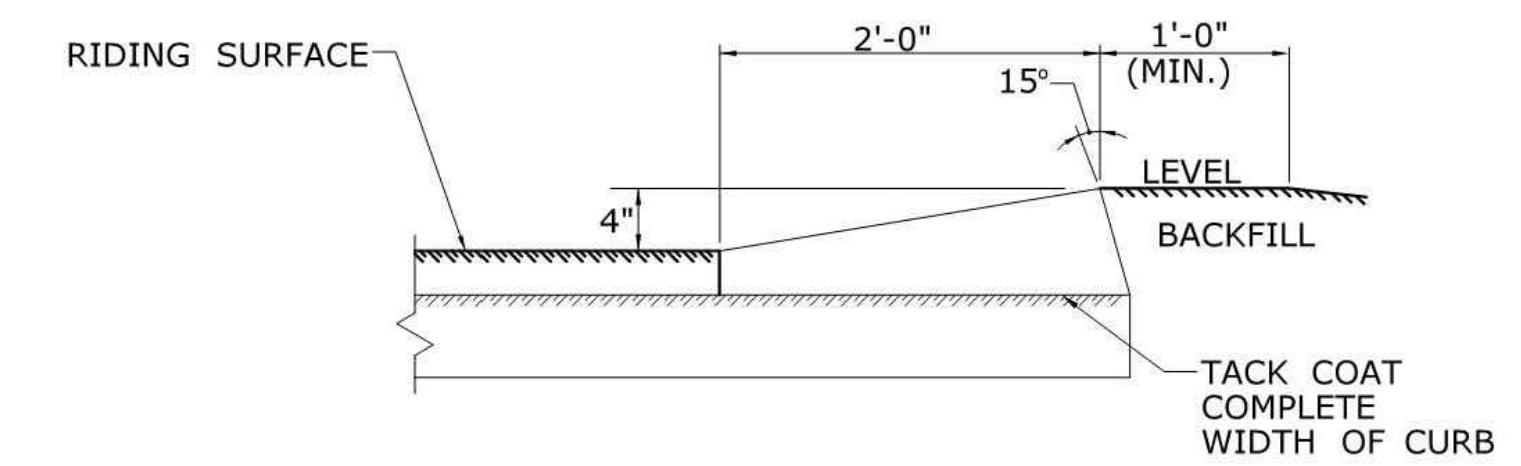
BITUMINOUS CONCRETE BERM CURBING
(4" HIGH)



SECTION



SECTION



SECTION

1	6/17	NEW SHEET
		THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS ARE THE PROPERTY OF THE STATE AND ARE NOT TO BE COPIED OR REPRODUCED IN WHOLE OR IN PART, OR INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE COMPLETENESS OR ACCURACY OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.
REV. DATE	REVISION DESCRIPTION	Plotted Date: 6/6/2017

NOT TO SCALE



SUBMITTED BY: NAME/DATE/TIME:
Leo Fontaine, P.E.
2017.06.07 07:35:51-04'00'
APPROVED BY: NAME/DATE/TIME:
Gregory M. Dorosh, P.E.
2017.06.07 10:44:27-04'00'

STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
BITUMINOUS CONCRETE CURBING

STANDARD SHEET NO.:
HW-815_01

NOTES:

UNDISTURBED EXISTING PAVEMENT

EXISTING BITUMINOUS CONCRETE 4"

EXISTING REINFORCED CONCRETE BASE 9"

APPLY BIT. TACK COAT TO ALL VERTICAL EDGES WHERE NEW PAVEMENT MEETS EXISTING AND SEAL JOINT USING SEALANT PER LATEST VERSION OF AASHTO M324 TYPE II (TYP.)

PERMANENT PAVEMENT

3" BITUMINOUS CONCRETE HMA 50.5 PLACED IN TWO EQUAL LIFTS

6" BITUMINOUS CONCRETE HMA S1 PLACED IN TWO EQUAL LIFTS

10" PROCESSED AGGREGATE BASE

TRENCH WIDTH 1' 0"

PERMANENT PAVEMENT TRENCH DETAIL
TRENCHES PERPENDICULAR TO EDGE OF PAVEMENT

APPLY BIT, TACK COAT TO ALL VERTICAL EDGES WHERE NEW PAVEMENT MEETS EXISTING AND SEAL JOINT USING SEALANT PER LATEST VERSION OF AASHTO M324 TYPE II (TYP.)

UNDISTURBED EXISTING PAVEMENT

EXISTING BITUMINOUS CONCRETE 4" \pm

EXISTING REINFORCED CONCRETE BASE 9" \pm

PERMANENT PAVEMENT

3" BITUMINOUS CONCRETE HMA S0.5 PLACED IN TWO EQUAL LIFTS

6" BITUMINOUS CONCRETE HMA S1 PLACED IN TWO EQUAL LIFTS

10" PROCESSED AGGREGATE BASE

1' \pm

TRENCH WIDTH

1' \pm

PERMANENT PAVEMENT TRENCH DETAIL
TRENCH PARALLEL TO EDGE OF PAVEMENT

UNDISTURBED EXISTING PAVEMENT

EXISTING BITUMINOUS CONCRETE 4" \pm

EXISTING REINFORCED CONCRETE BASE 9" \pm

SAW CUT EXISTING BITUMINOUS PAVEMENT AND CONCRETE BASE

TEMPORARY PAVEMENT

4" MIN. BITUMINOUS CONCRETE HMA S0.5 PLACED IN TWO EQUAL LIFTS

TRENCH WIDTH

15" PROCESSED AGGREGATE BASE - STATE ROAD TRAVEL AREA & SHOULDER

EXISTING BITUMINOUS CONCRETE BASE AND REINFORCED CONCRETE BASE SHALL BE REMOVED BETWEEN EDGES OF TRENCH IN THIS AREA

TEMPORARY PAVEMENT DETAIL
TRENCHES PERPENDICULAR TO EDGE OF PAVEMENT

GENERAL NOTES:

1. THESE TRENCH DETAILS ARE INTENDED FOR USE ON ROADS WITH AND WITHOUT CONCRETE PAVEMENT STRUCTURES.
2. FOR TRENCH IN CONCRETE PAVEMENT STRUCTURES, ANY PORTION OF THE REMAINING CONCRETE SLAB < 3' SHALL BE REMOVED IN ITS ENTIRETY OR AS DIRECTED BY THE ENGINEER.
3. WIDTH OF PERMANENT OR TEMPORARY PAVEMENT SHALL BE 2' WIDER THAN TRENCH EXCAVATION OR AS FIELD CONDITIONS WARRANT AS DIRECTED BY THE ENGINEER.
4. "T" (10' CUT BACK) FOR FINAL PAVEMENT MILLING LIMITS, WILL BE AT THE DISCRETION OF THE ENGINEER + 10' IN ANY DIRECTION.
5. ALL DISTURBED PAVEMENT MARKINGS SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

UNDISTURBED EXISTING PAVEMENT

LIMITS OF OVERLAY

10'

10'

SAW CUT EDGE AND APPLY BIT. TACK COAT WHERE NEW PAVEMENT MEETS EXISTING. SEAL JOINT USING SEALANT PER THE LATEST VERSION OF AASHTO M324 TYPE II (TYP.)

MILL EXISTING PAVEMENT ON BOTH SIDES OF PERMANENT PAVEMENT AND TRENCH PAVEMENT TO A 2" DEPTH, AND OVERLAY WITH 2" MIN. COMPAKTED THICKNESS OF BITUMINOUS CONCRETE HMA S0.5

TRENCH WIDTH

1'+

1'+

7" BITUMINOUS CONCRETE HMA S1 PLACED IN TWO EQUAL LIFTS

10" PROCESSED AGGREGATE BASE

MILLING AND OVERLAY
TRENCHES PERPENDICULAR TO EDGE OF PAVEMENT

MILLING AND OVERLAY
TRENCH PARALLEL TO EDGE OF PAVEMENT

TEMPORARY PAVEMENT DETAIL
TRENCH PARALLEL TO EDGE OF PAVEMENT

1	9/23/14	Change to HMA by MGB	-		DESIGNER/DRAFTER: M. BURNS	SIGNATURE/ BLOCK: 	PROJECT TITLE: DISTRICT PERMIT OFFICE	PRODUCT NO.: -
2	4/6/15	ADD NOTES PER MAINT.	-		CHECKED BY: MAINT.	-	-	DRAWING NO.: -
-	-	-	-		NOT TO SCALE	-	-	DRAWING TITLE: TRENCH DETAILS FOR
-	-	-	-			-	-	STATE ROADS
-	-	-	-					SPRINT NO.: -
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Pinned Date: 4/6/2015					Filename: TRENCH DET.STE.RDS.dgn

2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
Ph: 203 239 4200 Fax: 203 234 7376

ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON CT

DESIGN DOCUMENTS

DETAILS

DTC PROJECT NUMBER: 16-157-176	
DTC DRAWING FILE: DT.DWG	
SCALE: 1" = 20'	DRAWN BY:
DATE: 03/06/2020	CHECKED BY:

PT.12

NOTE:

1. ALL CONSTRUCTION DIMENSIONS ARE NOMINAL.

TYPICAL SECTION SHOWING SLOPE CURBING SET ADJACENT TO BITUMINOUS CONCRETE SURFACES

TYPICAL SECTION SHOWING SLOPE CURBING SET ADJACENT TO CONCRETE SURFACES

GRANITE SLOPE CURBING

6"(150) BITUMINOUS CONCRETE LIP CURBING

4"(100) BITUMINOUS CONCRETE PARK CURBING

BITUMINOUS CONCRETE BERM

PLAN

ELEVATION

SECTION A -

SECTION B -

SECTION C -

STONE CURBING

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

-	-	-	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INFORMATION AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		NOT TO SCALE	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SUBMITTED BY: NAME/DATE/TIME: <i>[Signature]</i>	APPROVED BY: NAME/DATE/TIME: <i>[Signature]</i>	STANDARD SHEET TITLE: CURBING	STANDARD SHEET NO.: HW-811_01
1	6/01/10	REVISED TITLE FOR 6" CONC. CURB	Plotted Date: 6/23/2011							

NOTES:

REVISION

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Ph: 203 239 4200 Fax: 203 234 7376

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ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS

DETAILS

OTC PROJECT NUMBER: 16-157-176
OTC DRAWING FILE: DT.DWG

DT DRAWING FILE: DT.DWG

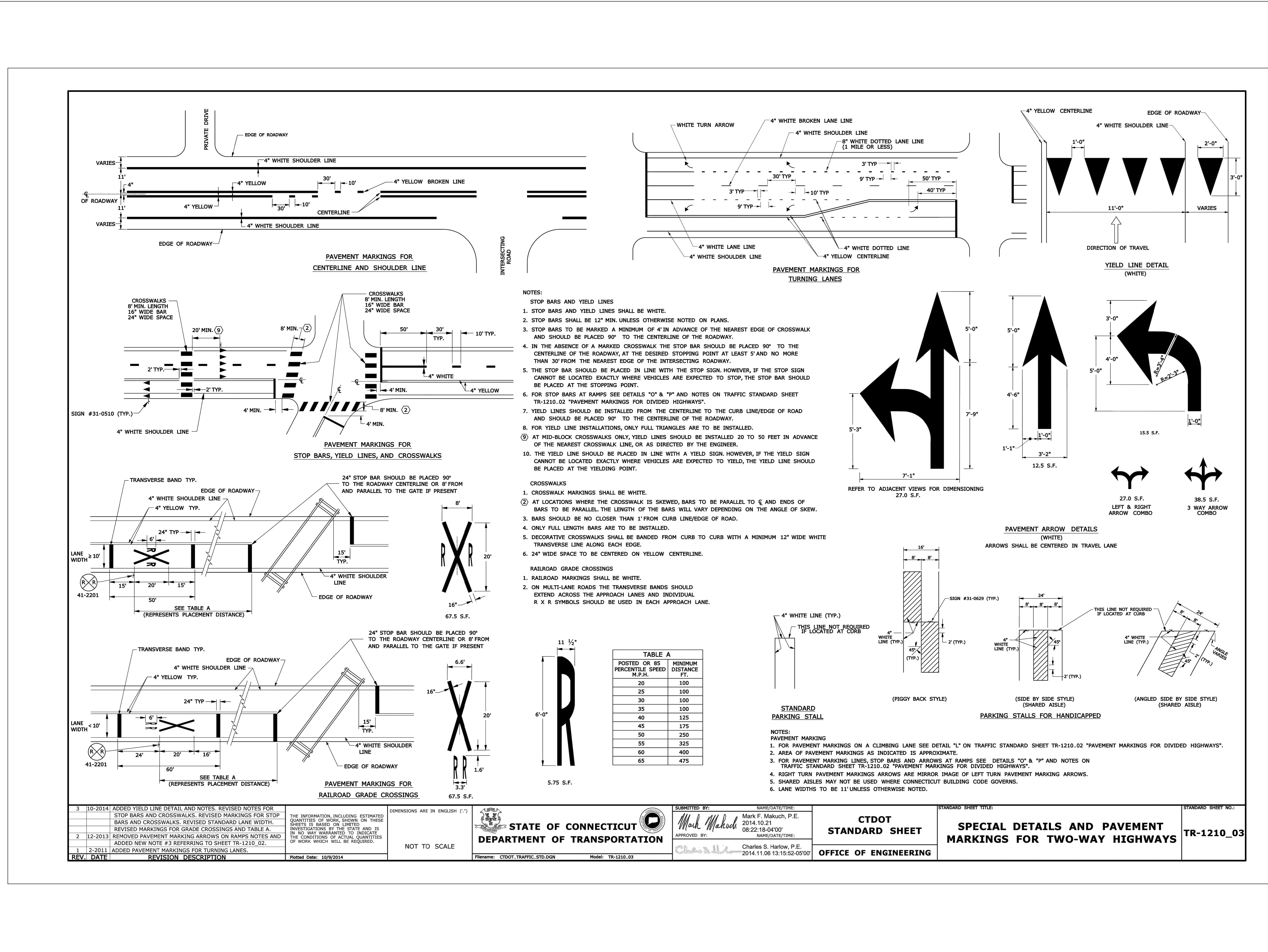
SCALE: 1" = 20'	DRAWN BY: JLW
-----------------	---------------

DATE: 03/06/2020	CHECKED BY: --
	
SHEET: 1	

A diagram consisting of a short vertical line segment on the right side, with a curved line segment extending from its top-left corner towards the left, forming a shape reminiscent of a stylized 'C' or a drop of liquid.

DT.13

Aug 10, 2022 - 11:31am
C:\Users\Joseph.Whitley\appdata\local\temp\AcPublish_10332\DT.dwg
joseph.whitley



NOTES:

REVISIONS

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www.teandtc.com

ROUTE 1 SIDEWALK IMPROVEMENTS CLINTON, CT

DESIGN DOCUMENTS

DETAILS

DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: DT.DWG

SCALE: 1" = 20'
DRAWN BY: JLW
DATE: 03/06/2020
CHECKED BY: --

SHEET:
DT.14

TYPICAL METAL SIGN POSTS

TYPICAL SIGN PANEL ATTACHMENT

TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT

TYPICAL BACK-UP PLATE

METAL DELINEATOR POST
WT./FT. = 1.12 LBS./FT. MIN.

GENERAL NOTES:

- 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.
- AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123.
- WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
- SPACER BAR FOR BREAKAWAY INSTALLATION SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A36.
- ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153.
- 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.
- SIGN POSTS SHALL BE 4 LBS./FT.

BREAKAWAY INSTALLATION
FOR 4 LBS./FT. POSTS

TYPICAL SIGN POST INSTALLATION IN LEDGE

TYPICAL SLEEVE FOR PAVED AREAS

45° MOUNTING BRACKET FOR INSTALLATION OF PARKING SIGNS

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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2 6-2017 SIGN POST REVISIONS.
1 2-2011 MINOR REVISIONS.
REV. DATE REVISION DESCRIPTION Plotted Date: 6/6/2017

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

APPROVED BY:

NAME/DATE/TIME:
NAME/DATE/TIME:
NAME/DATE/TIME:

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
METAL SIGN POSTS AND SIGN MOUNTING DETAILS

GUIDE SHEET NO.:
TR-1208_02

NOTES:

REVISIONS

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Ph: 203 239 4200 Fax: 203 234 7376
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ROUTE 1
SIDEWALK
IMPROVEMENTS
CLINTON, CT

DESIGN DOCUMENTS

DETAILS

DTC PROJECT NUMBER: 16-157-176
DTC DRAWING FILE: DT.DWG

SCALE: 1" = 20'
DRAWN BY: JLW
DATE: 03/06/2020
CHECKED BY: --

SHEET:
DT.17

Aug 10, 2022 - 11:33 am
C:\Users\JosephWhitney\appdata\local\temp\AcPublish-10332\Di\drag