## Town of Southington Standard Construction Detail Sheets

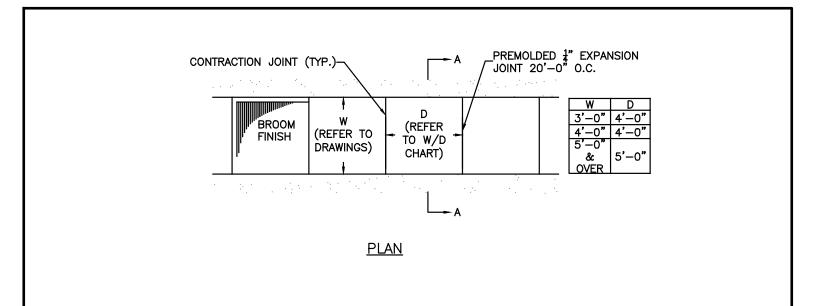
- 3. 5" Concrete Sidewalk
- 4. Curbing & Ramp Installation at Bituminous Concrete Driveways
- 5. Bituminous Concrete Lip Curbing
- 6. Bituminous Concrete Sidewalk & Driveway
- 7. Concrete Curbing
- 8. Monolithic Concrete Sidewalk & Curbing
- 9. Concrete Driveway
- 10. Concrete Ramp (Where Curb is Separated from Sidewalk by Grass Plot)
- 11. Concrete Ramp (Where Sidewalk Adjoins Curb)
- 12. Construction Entrance
- 13. Standard Section for Construction of Subdivision Roadways
- 14. Geotextile Fence System
- 15. Geotextile Filter Bag
- 16. Gravel or Stone Driveway
- 17. Design Standards for Parking
- 18. Reserved Accessible Parking Spaces
- 19. Reserved Accessible Parking Sign
- 20. Loam & Seed
- 21. Manhole Doghouse
- 22. Inside Drop (PVC Pipe Sewers 12" Diameter and Smaller)
- 23. Manhole Riser with Eccentric Cone Top
- 24. Sanitary Manhole (Precast Concrete)
- 25. Standard Bolted Sanitary Manhole Cover
- 26. Standard Sanitary Manhole Cover
- 27. Standard Bolted Storm Manhole Cover
- 28. Standard Storm Manhole Cover
- 29. Typical Sidewalk Section (Not for Subdivisions)
- 30. Inlet Sediment Control Device (Without Curb Deflector)
- 31. Inlet Sediment Control Device (With Curb Deflector)
- 32. Standard Catch Basin (Type "C")
- 33. Standard Catch Basin (Type "CL")
- 34. Stone Curbing
- 35. Straw Bale Erosion Control
- 36. Street Sign
- 37. Trench Dam
- 38. Typical Sanitary Sewer Trench
- 39. Typical HDPE Trench
- 40. Pavement Patch

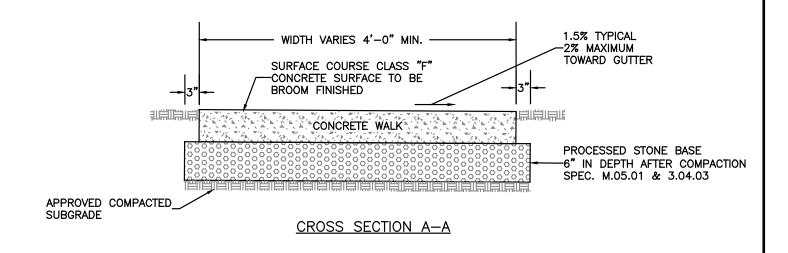
Revised 7-2022 Page 1

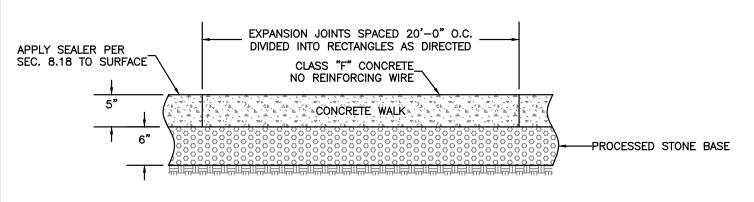
## Town of Southington Standard Construction Detail Sheets

- 41. Typical Treatment of Driveway with Sidewalk
- 42. Typical Treatment of Driveway without Sidewalk
- 43. 49. Streetlights
- 50. 61. Sidewalk Ramps

Revised 7-2022 Page 2



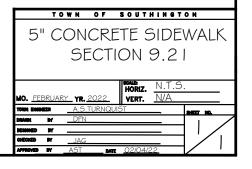


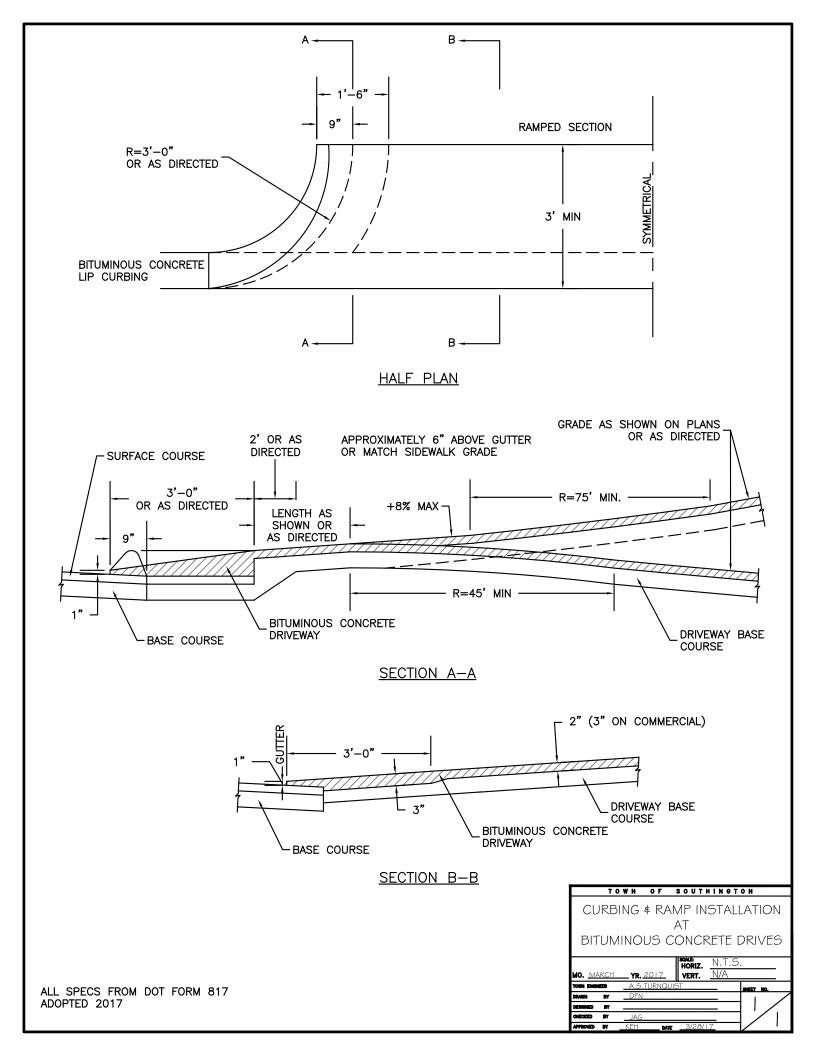


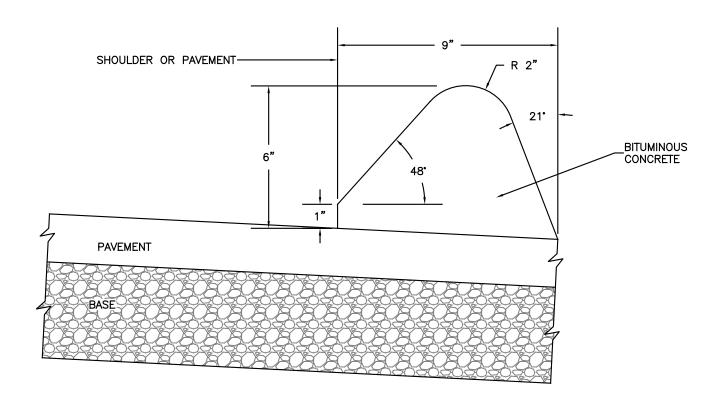
## LONGITUDINAL SECTION

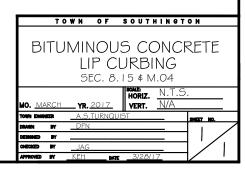
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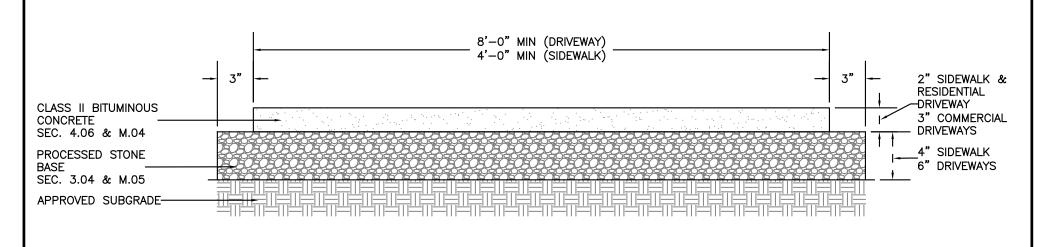
CLASS "F" CONCRETE PER DOT 817 SECTION M.03.02 MIX DESIGN REQUIREMENTS

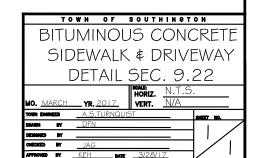


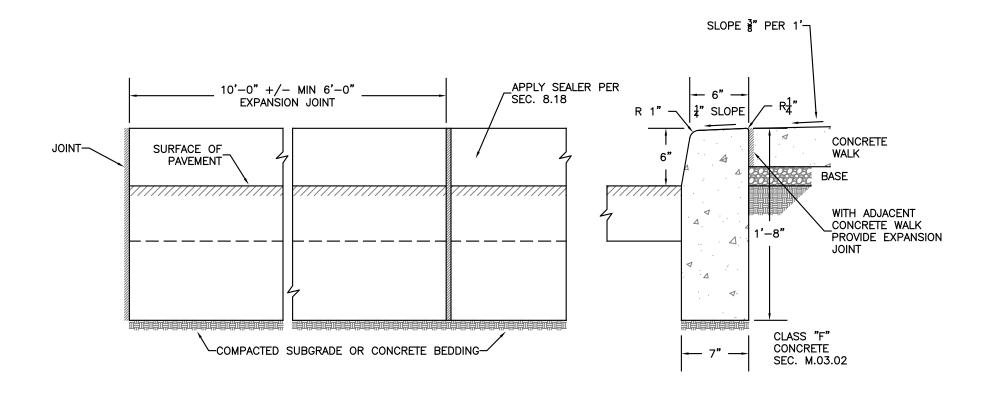


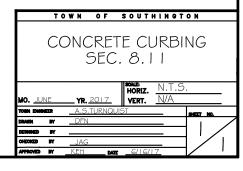


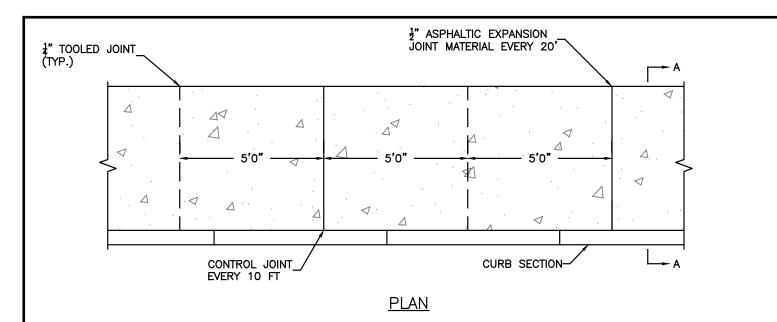


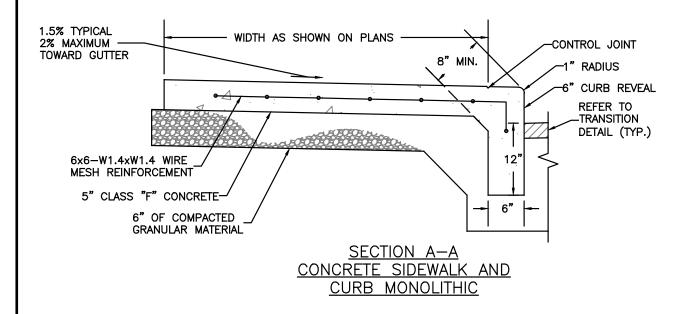








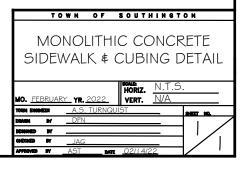


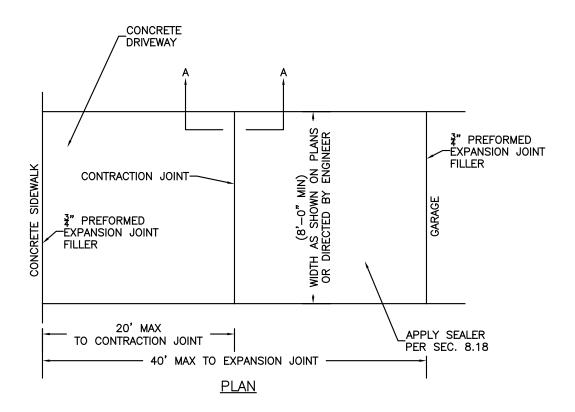


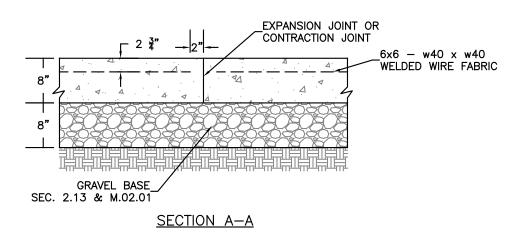
## NOTE:

CLASS "F" CONCRETE PER DOT 817 SECTION M.03.02 MIX DESIGN REQUIREMENTS

ALL SPECS FROM DOT FORM 817 LATEST VERSION

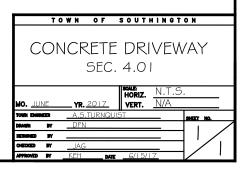


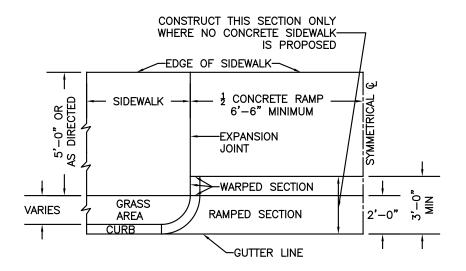




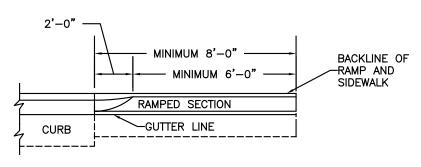
#### NOTE:

- 1. CLASS "F" CONCRETE PER DOT 817 SECTION M.03.02 MIX DESIGN REQUIREMENTS
- 2. REINFORCING STEEL TO BE ASTM A497, fy=60,000 PSI
- 3. BROOM FINISH

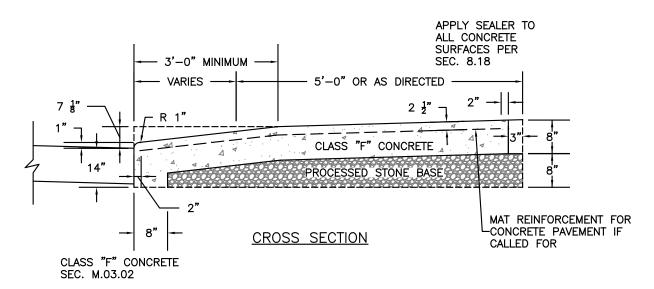


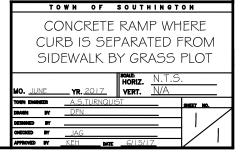


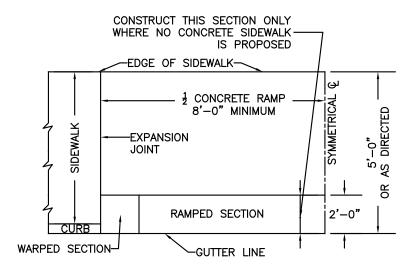
#### HALF PLAN



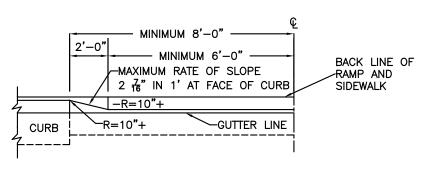
#### HALF ELEVATION



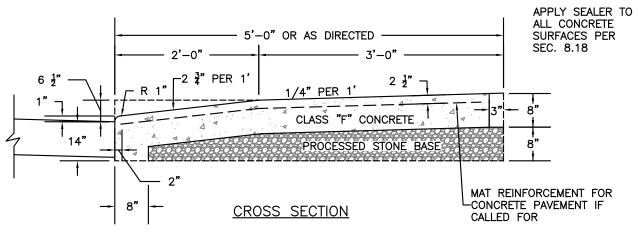




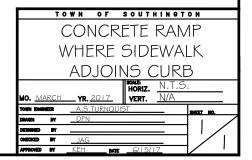
#### HALF PLAN

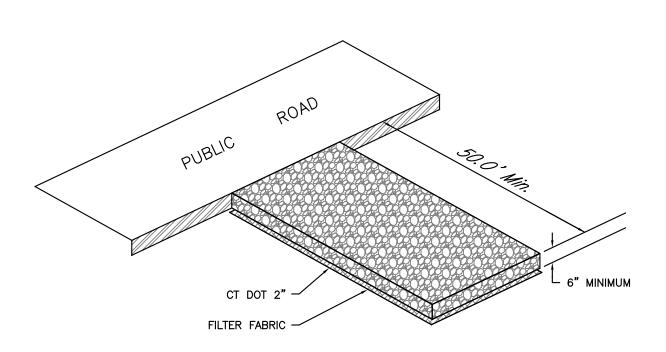


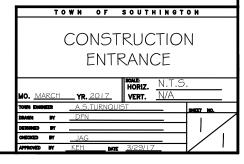
#### **HALF ELEVATION**

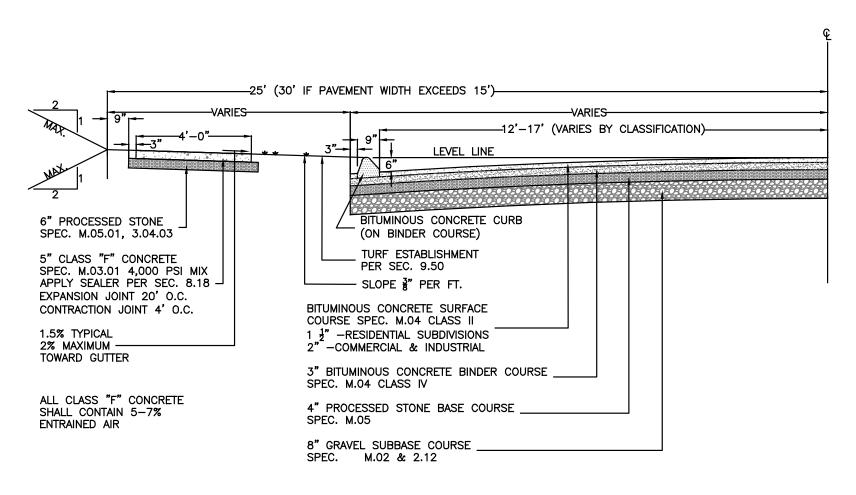


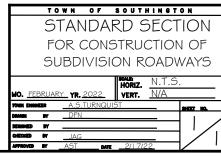
CLASS "F" CONCRETE SEC. M.03.02

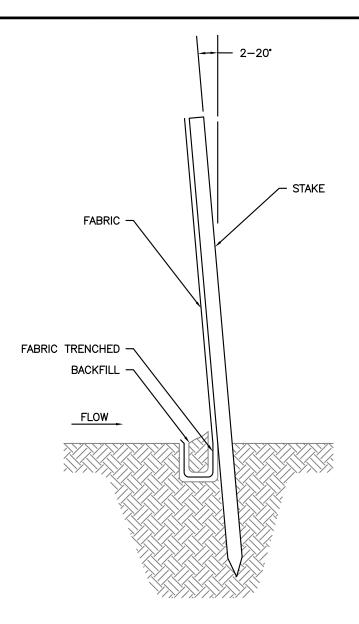






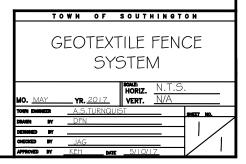


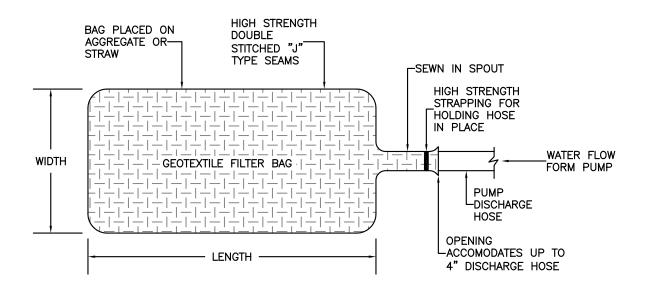




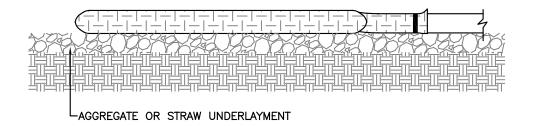
#### **GENERAL NOTES:**

- 1. GEOTEXTILE FENCE SHOULD BE PLACED SO THE FENCE LEANS TOWARD THE SOURCE OF SEDIMENT.
- 2. MAXIMUM SPACING FOR WOODEN STAKES OR STEEL POSTS IS 10.0'
- 3. WOOD STAKES SHALL HAVE MINIMUM CROSS—SECTION SIZE OF 1.5" X 1.5" AND MINIMUM LENGTH OF 4 FT. STEEL POSTS SHALL BE AT LEAST 0.5 LB PER FOOT WITH A MINIMUM LENGTH OF 4 FT.
- 4. WOODEN STAKES OR STEEL POSTS SHALL BE DRIVEN TO A MINIMUM 1' INTO THE GROUND.
- 5. 6" OF GEOTEXTILE SHALL BE BURIED BY BACKFILLING OR TRENCHING AND AT LEAST 2.5" IN HEIGHT OF GEOTEXTILE SHALL BE EXPOSED.
- 6. FABRIC SHALL BE JOINED ONLY AT A SUPPORT POST WITH A MINIMUM OF 6" OVERLAP AND SECURITY SEALED.
- 7. UPON RE-ESTABLISHMENT OF GROUND COVER IN DISTURBED AREAS WHEN DIRECTED BY THE ENGINEER, OR UPON FINAL INSPECTION FENCE AND ANY SEDIMENT SHALL BE REMOVED. AT NO TIME WILL THE FENCE REMAIN IN PLACE AFTER PROJECT COMPLETION.
- 8. GEOTEXTILE FENCE SHALL NOT BE USED IN A WATER COURSE.
- 9. CLEAN OUT ACCUMULATION OF SEDIMENT WHEN ONE—HALF OF THE ORIGINAL HEIGHT OF THE GEOTEXTILE FENCE, AS INSTALLED, BECOMES FILLED WITH SEDIMENT OR AS DIRECTED BY THE ENGINEER.





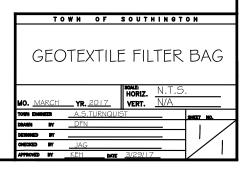
TOP VIEW

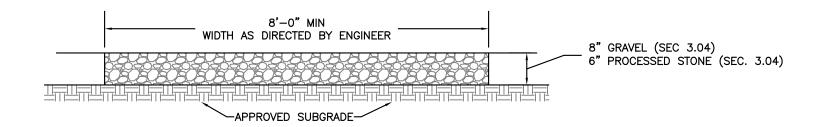


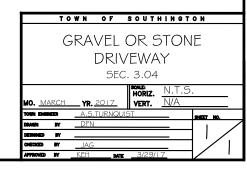
#### SIDE VIEW

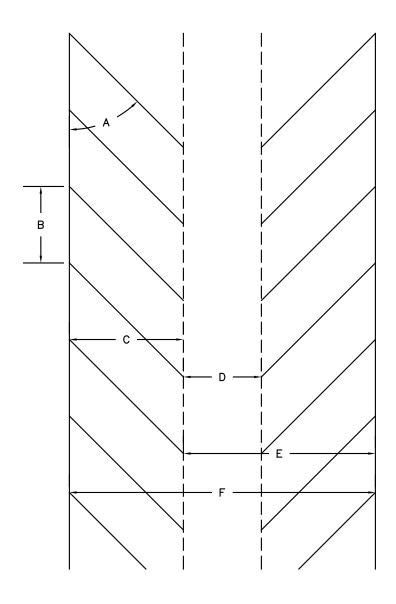
### NOTES:

- 1. INSTALL FILTER BAG ON A SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH FILTER BAG WITHOUT CREATING MORE EROSION.
- 2. STRAP THE NECK OF THE FILTER BAG TIGHTLY TO THE DISCHARGE HOSE.
- 3. PLACE BAG ON AGGREGATE OR HAYBALE BED TO MAXIMIZE WATER FLOW THROUGH THE SURFACE OF THE BAG.
- 4. FILTER BAG IS FULL WHEN IT CAN NO LONGER EFFICIENTLY FILTER SEDIMENT OR ALLOW WATER TO PASS AT A REASONABLE RATE. CHECK MANUFACTURERS RECOMMENDATIONS ON ACCEPTABLE FLOW RATES FOR THE FILTER BAG IN ORDER TO AVOID RUPTURE OR FAILURE AT HOSE ATTACHMENT.
- 5. FOLLOWING USE, IF ALLOWED, BAG MAY BE CUT OPEN AND THE CONTENTS SEEDED AFTER THE REMOVAL OF VISIBLE FABRIC. IF NOT ALLOWED TO REUSE SEDIMENT, BAG SHALL BE HAULED OFF SITE AND DISPOSED OF IN AN APPROVED MANNER.





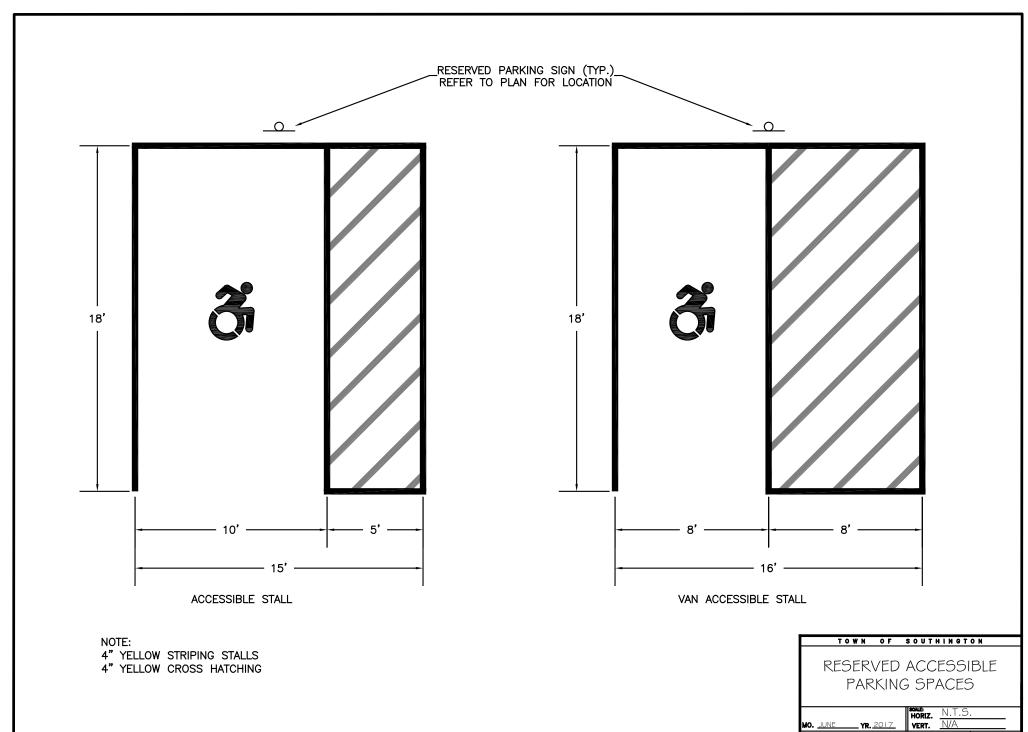




A.	PARKING ANGLE	0.	30°	45°	60°	90°
В.	CURB LENGTH PER CAR	21'-0"	18'-0"	12'-9"	10'-5"	9'-0"
c.	STALL DEPTH	9'-0"	16'-10"	19 <b>'</b> –0 <b>"</b>	20'-0"	18'-0"
D.	VEHICULAR AISLE WIDTH	12'-0"*	11'-0"	13'-0"	18'-0"	24'-0"
E.	LOT WIDTH FOR 1 ROW + DRIVEWAY	21'-0"**	27'-10"	32'-0"	38'-0"	42'-0"
F.	LOT WIDTH FOR 2 ROWS + DRIVEWAY	30'-0"**	44'-8"	51'-0"	58'-0"	60'-0"

- \* 12'-0" FOR ONE WAY CIRCULATION; 24'-0" FOR TWO-WAY CIRCULATION
- \*\* FOR TWO-WAY CIRCULATION, ADD 12'







# **RESERVED PARKING**

**PERMIT REQUIRED** 

**VIOLATORS WILL BE** FINED MIN \$150

24"

**VAN ACCESSIBLE** 

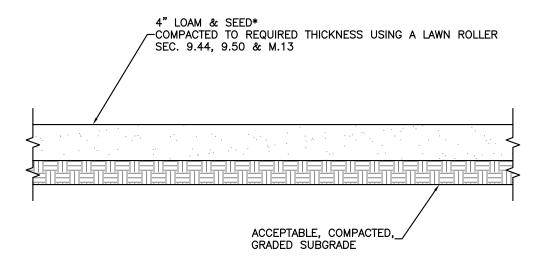
#### NOTES:

- 1. EACH RESERVED PARKING SPACE SHALL COMPLY WITH CONNECTICUT GENERAL STATUTE 14-253A, AND DISPLAY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN ACCORDANCE WITH PUBLIC ACT 16-78.
  EACH RESERVED PARKING SPACE SHALL HAVE AN ACCESSIBLE PARKING SIGN.
- "VAN ACCESSIBLE" SIGNS ARE REQUIRED BELOW EACH RESERVED PARKING SIGN, WHERE APPLICABLE.

## TOWN OF SOUTHINGTON

RESERVED ACCESSIBLE PARKING SIGN

MO. <u>August</u>	YR. 2017	HORIZ. VERT.	N/A	<i>.</i>
TOWN ENGINEER	A.S.TURNQUIS	ΣT	_	SHEET NO.
DRAWN BY	DFN		_	_
DESIGNED BY	DFN		_	
CHECKED BY	JAG			/
APPROVED BY	KEH DATE	8/14/1	7	/ '



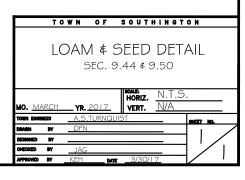
- GENERIC SEED MIXTURE

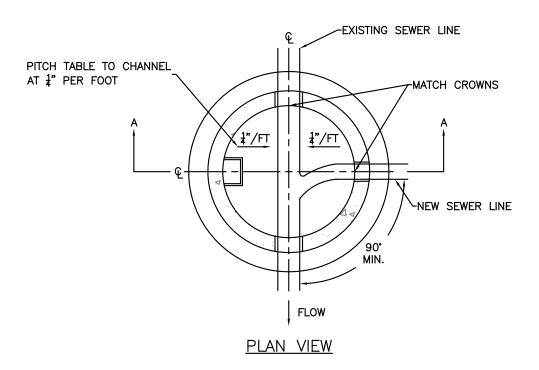
  -\*SEED MIXTURE TO BE USED UNLESS OTHERWISE DIRECTED BY ENGINEER

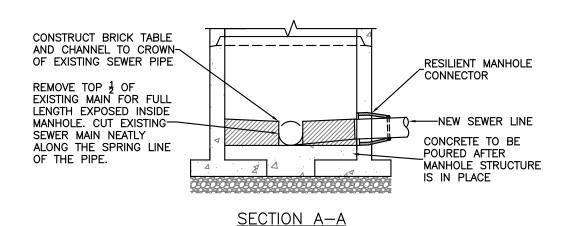
  -25-30% KENTUCKY BLUE GRASS 80% GERMINATION

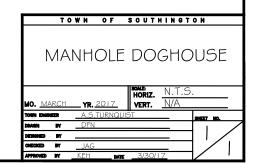
  -30-35% RED FESCUE 90% GERMINATION

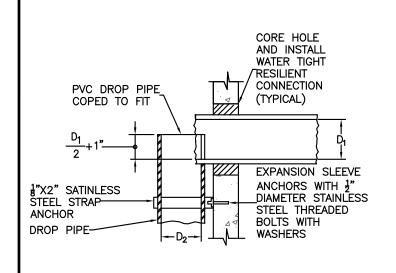
  -30-40% PERENNIAL RYE GRASS MIXTURES 85% GERMINATION

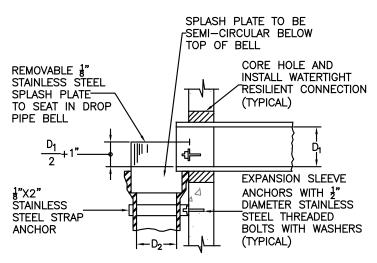






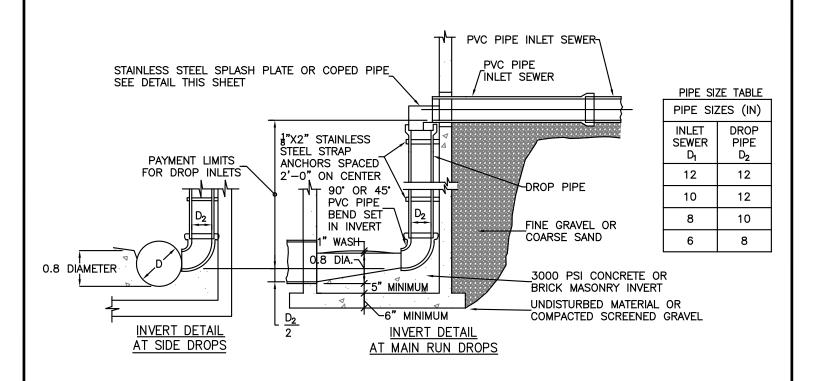


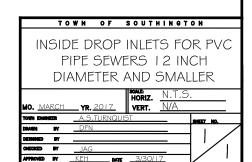


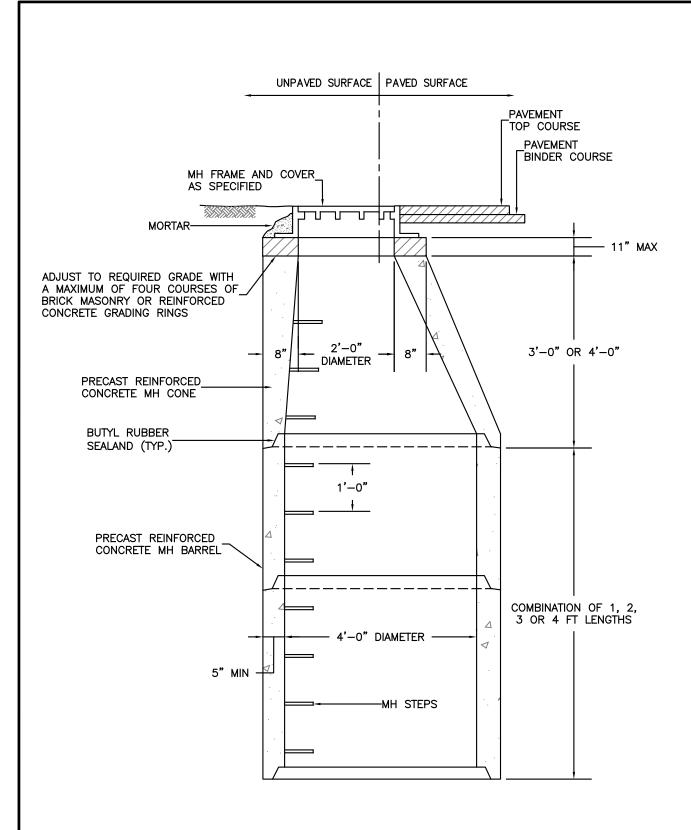


COPED PIPE DETAIL

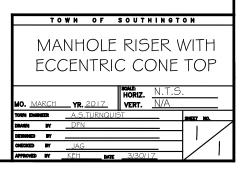
SPLASH PLATE DETAIL

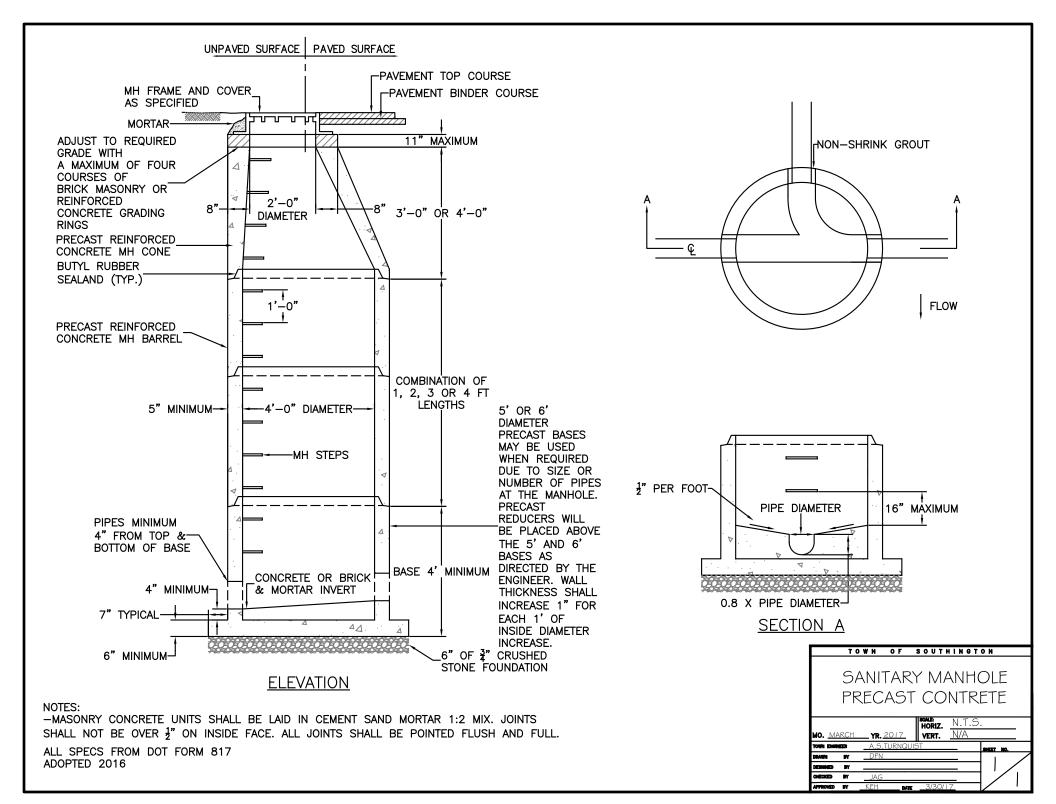


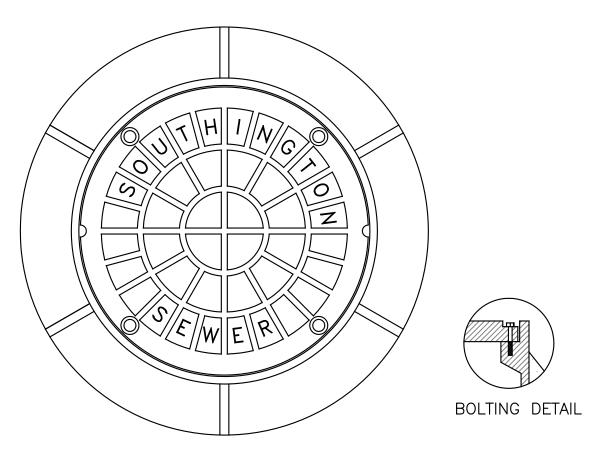




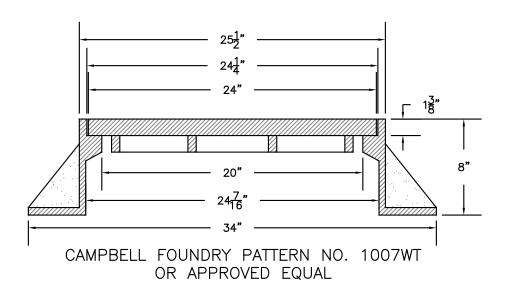
NOTES: —MASONRY CONCRETE UNITS SHALL BE LAID IN CEMENT SAND MORTAR 1:2 MIX. JOINTS SHALL NOT BE OVER  $\frac{1}{2}$ " ON INSIDE FACE. ALL JOINTS SHALL BE POINTED FLUSH AND FULL.







AASHTO HS20-44 HIGHWAY LOADING



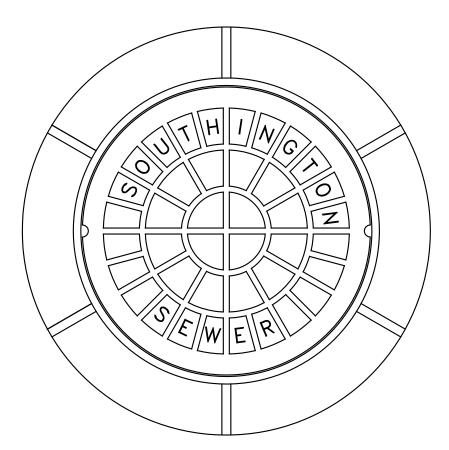
## **NOTES:**

- 1. COVER SHALL BE BOLTED TO FRAME WITH 4 RECESSED, EQUALLY SPACED  $\frac{1}{2}$ "-13SS HEX HEAD CAP SCREWS AND MADE WATERTIGHT WITH  $\frac{1}{4}$ " NEOPRENE GASKET AND NON PENETRATING PICK HOLES
- 2. FLANGE SHALL HAVE 3 EQUALLY SPACED 1" DIAMETER ANCHORING HOLES ON A 32" DIAMETER CENTER
- 3. CASTINGS ARE SUPPLIED WITHOUT PAINT OR COATING

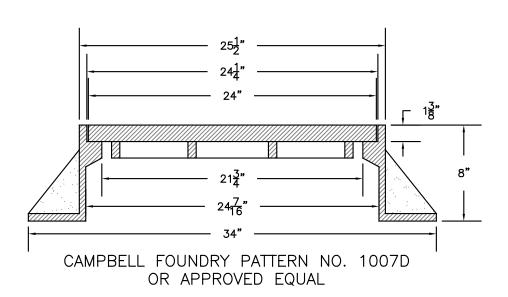
ALL SPECS FROM DOT FORM 817 ADOPTED 2016

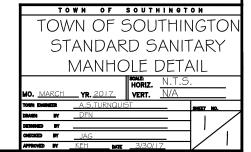
TOWN OF SOUTHINGTON
TOWN OF SOUTHINGTON
STANDARD BOLTED
SANITARY MANHOLE DETAIL
HORIZ. N.T.S.

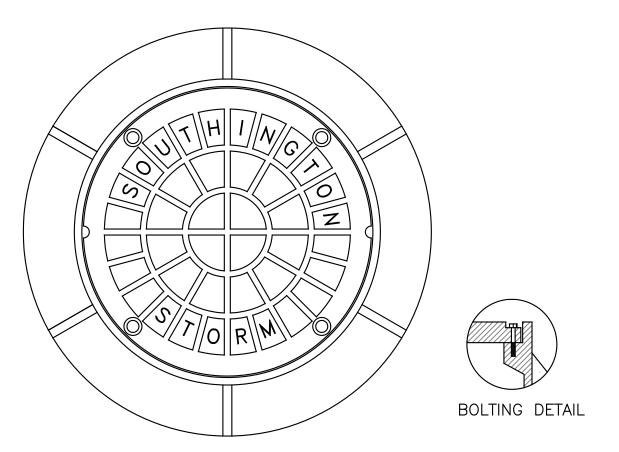
			HORIZ.	N.T.S.	
0. <u>Mar</u>	<u> </u>	2017	VERT.	N/A	
WI DIONETH	_A.S.1	URNQUIS	T	_	SHEET NO.
AMM B	Y <u>DFN</u>				_
SIGNED I	·			_	
ECKED IF	<b>J</b> AG				
PROVED IN	KEH	DATE	3/30/1	7	



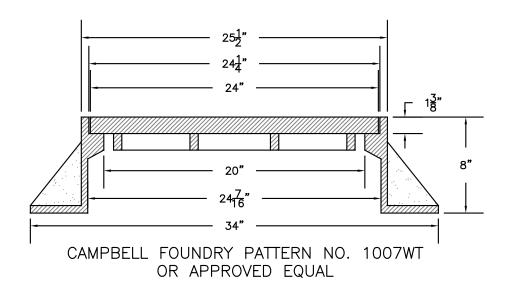
AASHTO HS20-44 HIGHWAY LOADING







AASHTO HS20-44 HIGHWAY LOADING

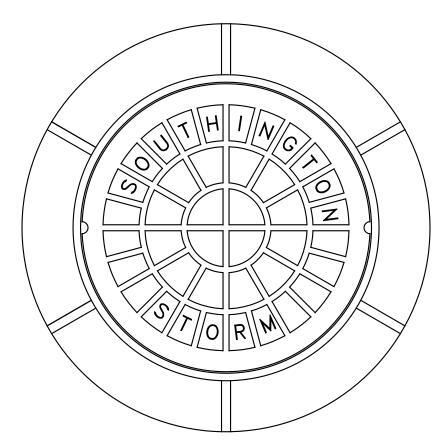


## **NOTES:**

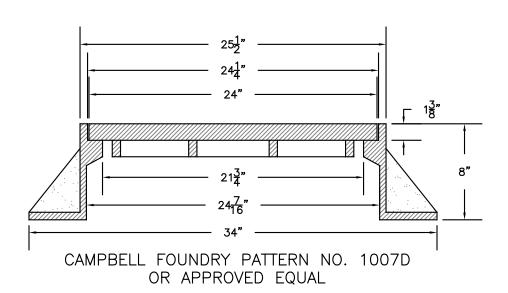
- 1. COVER SHALL BE BOLTED TO FRAME WITH 4 RECESSED, EQUALLY SPACED  $\frac{1}{2}$ "-13SS HEX HEAD CAP SCREWS AND MADE WATERTIGHT WITH  $\frac{1}{4}$ " NEOPRENE GASKET AND NON PENETRATING PICK HOLES
- 2. FLANGE SHALL HAVE 3 EQUALLY SPACED 1" DIAMETER ANCHORING HOLES ON A 32" DIAMETER CENTER
- 3. CASTINGS ARE SUPPLIED WITHOUT PAINT OR COATING

ALL SPECS FROM DOT FORM 817 ADOPTED 2016 TOWN OF SOUTHINGTON
TOWN OF SOUTHINGTON
STANDARD BOLTED STORM
MANHOLE DETAIL

		HORIZ.	N.T.S	
O. <u>March</u>	YR. 2017	VERT.	N/A	
WI DIGHEER	A.S.TURNQUIS	ŜΤ.		SHEET NO.
ANN BY	DFN		_	_
310060 BY			_	
ECKED BY	JAG		_	/
PROVED BY	KEH DATE	3/30/1	7	

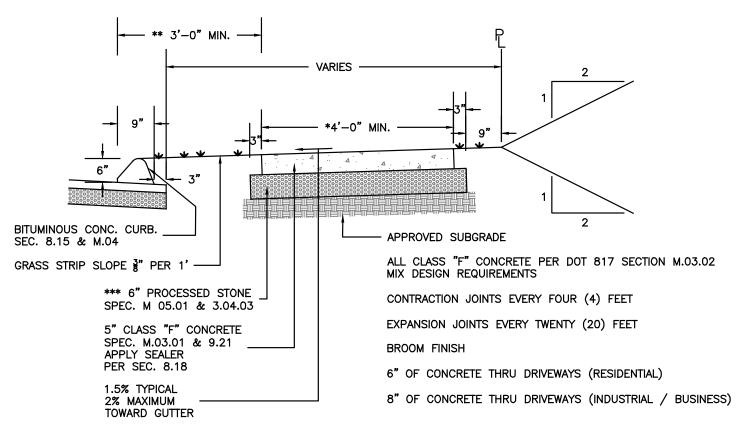


AASHTO HS20-44 HIGHWAY LOADING

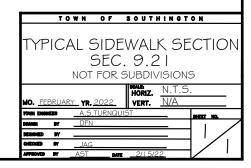


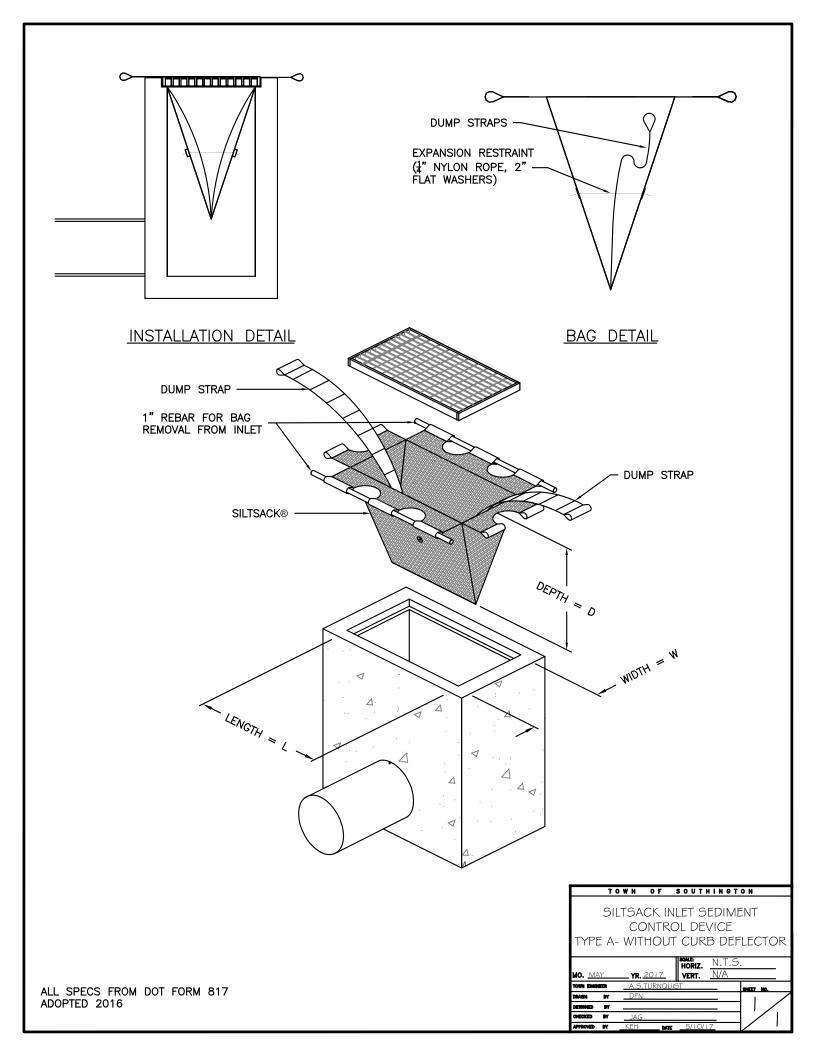


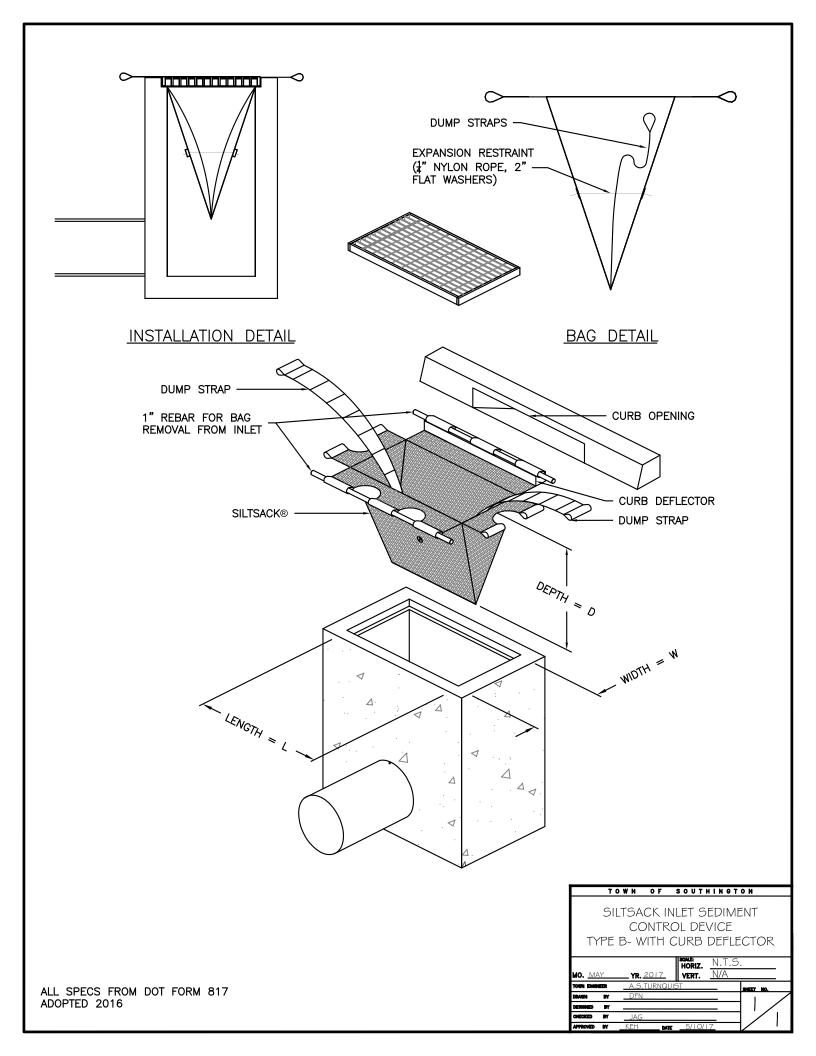
		HORIZ.	N.T.S	
MO. <u>March</u>	YR. 2017	VERT.	N/A	
TOWN ENGINEER	_A.S.TURNQUIS	5T		SHEET NO.
DRAIM BY	DFN		_	
DESIGNED BY			_	
CHECKED BY	JAG			/
APPROVED BY	KEH DATE	3/30/1	7	

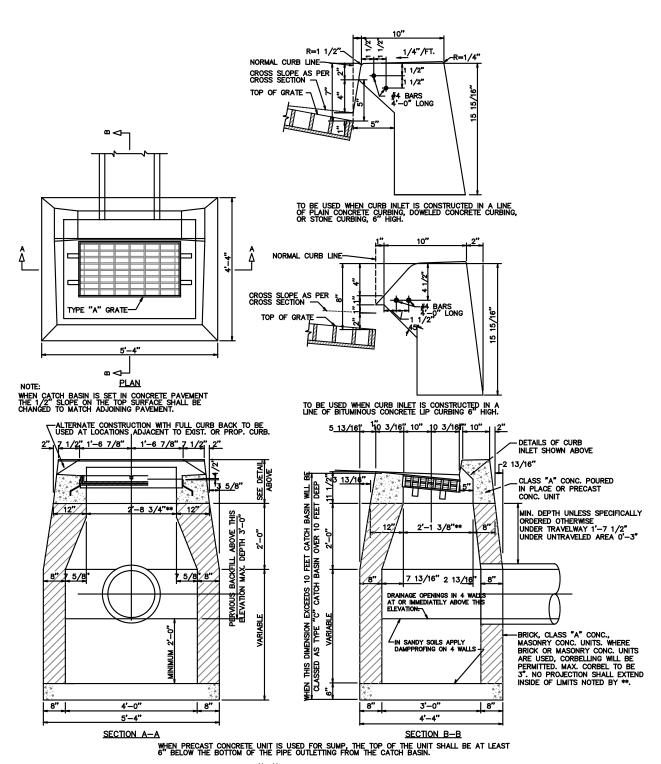


- \*\*\* UNLESS OTHERWISE DIRECTED BY ENGINEER
- \*\* IF SEPARATION BETWEEN GUTTER LINE AND FRONT EDGE OF WALK IS LES THAN 3', TOWN ENGINEER MAY MODIFY THE TYPICAL SECTION BASED ON FIELD CONDITIONS AND CONCRETE CURB, CONCRETE D.W. RAMPS AND WIDER WALKS MAY BE REQUIRED.
- \* WIDTH OF WALK SHALL BE WIDENED TO MATCH FIELD CONDITIONS UNLESS MODIFIED BY TOWN ENGINEER ON FIELD CONDITIONS.

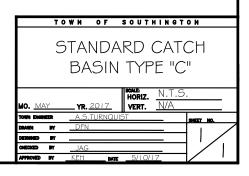


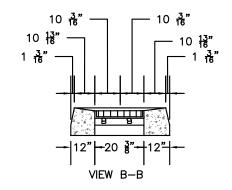


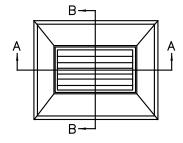


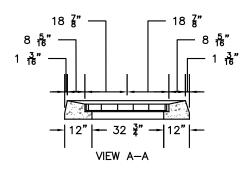


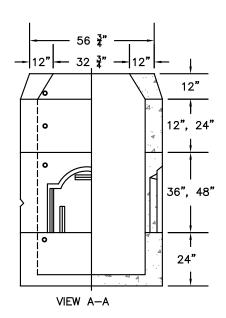
TYPE "C" CATCH BASIN

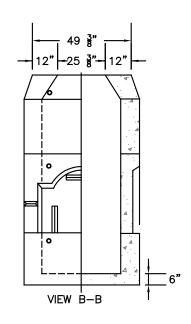




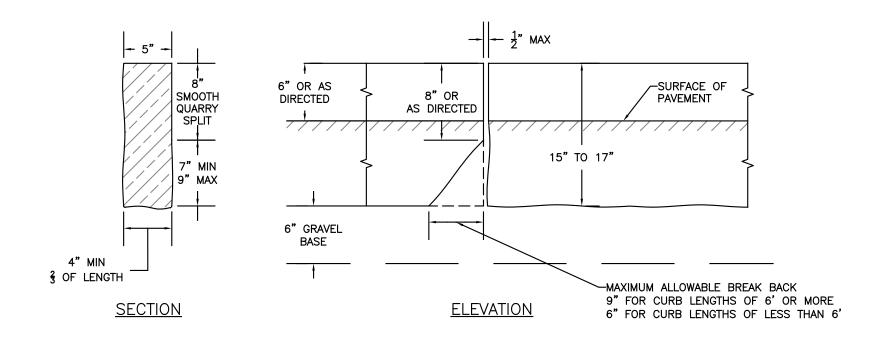


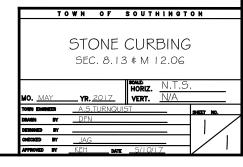


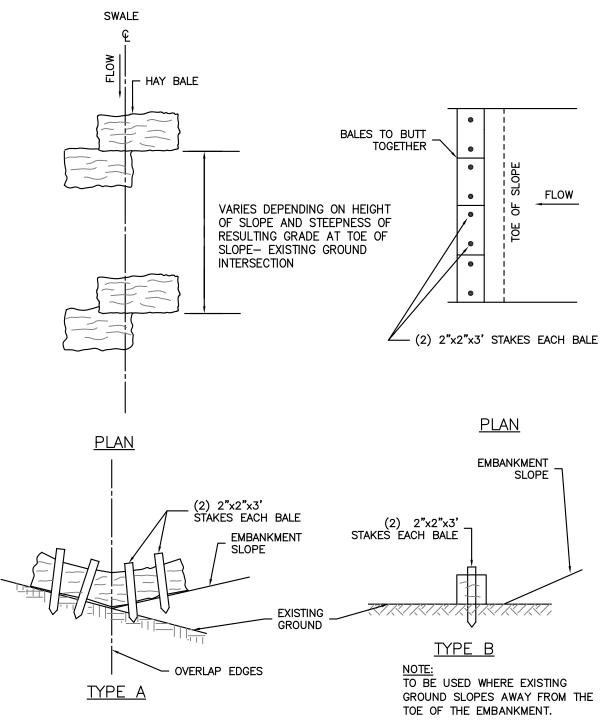




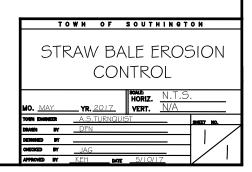
	TOWN	0 F	SOUT	HINGT	0 N
	GTA	NID/	ARD .	$\cap \Lambda T$	^H
	$\mathcal{I}\mathcal{A}$	NDF	$\mathbb{N}$	CAIL	ا ار
	B A	412	I TYF	FOI	
	DF	1011	1	$\Gamma$	-
			HORIZ.	N.T.S	
MO. <u>MA</u>	YR.	2017	VERT.	N/A	
TOWN ENGINE	■ <u>A.</u> S	TURNQL	JIST		SHEET NO.
DRAWN	W DFN				
DESIGNED	BY				
CHECKER	<b>IV</b> 10.0				l '/ i







NOTE:
TO BE USED IN LOCATION WHERE
THE EXISTING GROUND SLOPES IN
TOWARD THE TOE OF THE EMBANKMENT.



ALUMINUM SIGN BLANK IS 9" IN HEIGHT AND WIDTH IS DETERMINED BY LENGTH OF NAME.



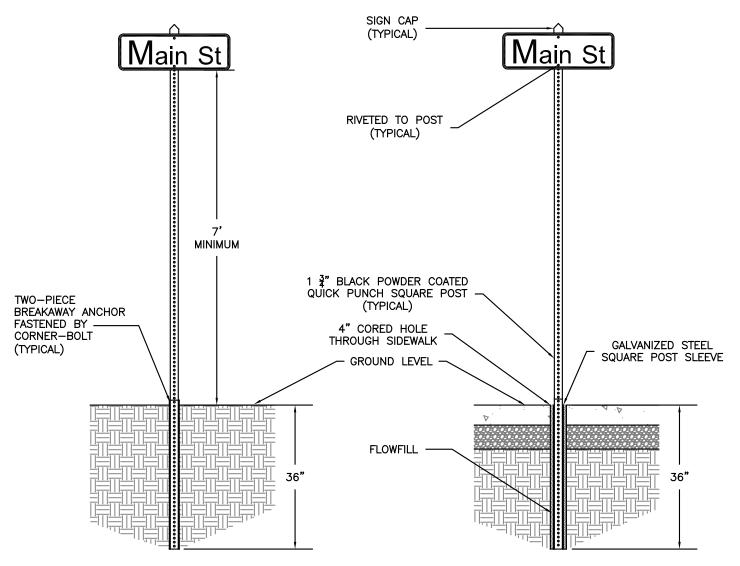
SIGN TO BE 9" IN HEIGHT WITH 6" LETTERS AND 4.5" SUBSCRIPT. FONT TO BE CLEARVIEW—HWY 2—W AND IN UPPER AND LOWER CASE PER SAMPLE.

THE LETTERS AND BORDER ARE TO BE WHITE 3M HI—INTENSITY PRISMATIC SHEETING, AND THE GREEN BACKGROUND IS 3M EC 1177 TRANSPARENT SHEETING.

FOR SIGNS GREATER THAN 24" LONG, PROVIDE ADDITIONAL SUPPORT WITH A SPACER AT BOTH ENDS.

MOUNTED IN DIRT / SOD

MOUNTED IN SIDEWALK / HARD SURFACE



STREET SIGN DETAIL

MO. MAY YR. 2017 FORM DESCRIPTION OF SOUTHINGTON

STREET SIGN DETAIL

MO. MAY YR. 2017 VERT.

N.T.S.

W/A

TOWN DESCRIPTION OF SOUTHINGTON

MO. MAY YR. 2017 N.T.S.

W/A

TOWN DESCRIPTION OF SOUTHINGTON

MO. MAY YR. 2017 N.T.S.

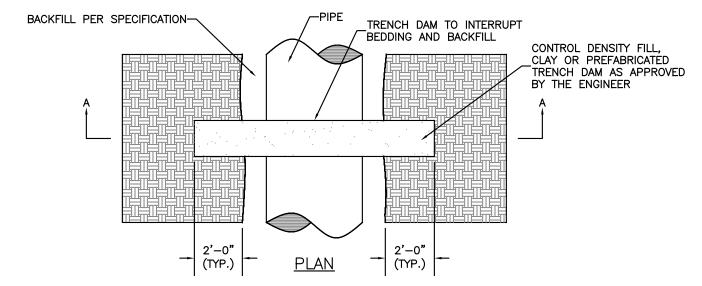
W/A

MORE SOUTHINGTON

MORE SOUTHINGTON

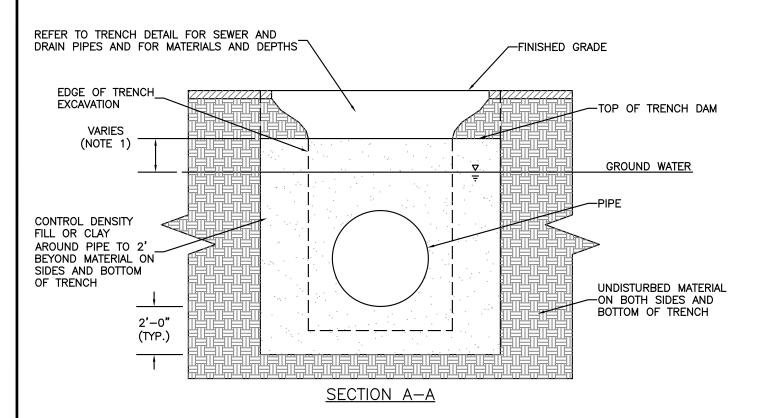
MORE SOUTHINGTON

MORE SOUTHINGTON



### NOTES:

1. FOR CONTROL FILL OR CLAY: NOTCH TRENCH DAM A MINIMUM OF 2'-0" BEYOND UNDISTURBED MATERIAL ON SIDES AND BOTTOM OF TRENCH.
2. FOR PREFABRICATED TRENCH DAM: INSTALL AS INDICATED BY THE MANUFACTURER OR AS DIRECTED BY THE ENGINEER.



### NOTES:

FOR CONTROL FILL OR CLAY:

- 1. THE TOP OF THE TRENCH DAM SHALL EXTEND A MINIMUM OF 5'-0" ABOVE THE GROUND WATER LEVEL, AS DETERMINED BY THE NEAREST BORING OR BY THE ENGINEER, BUT SHALL NOT EXCEED A DEPTH OF 1'-0" BELOW FINISHED GRADE.

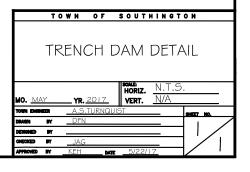
  2. TRENCH DAMS SHALL BE INSTALLED AS INDICATED ON THE CONTRACT DRAWINGS OR
- AS DIRECTED BY THE ENGINEER.

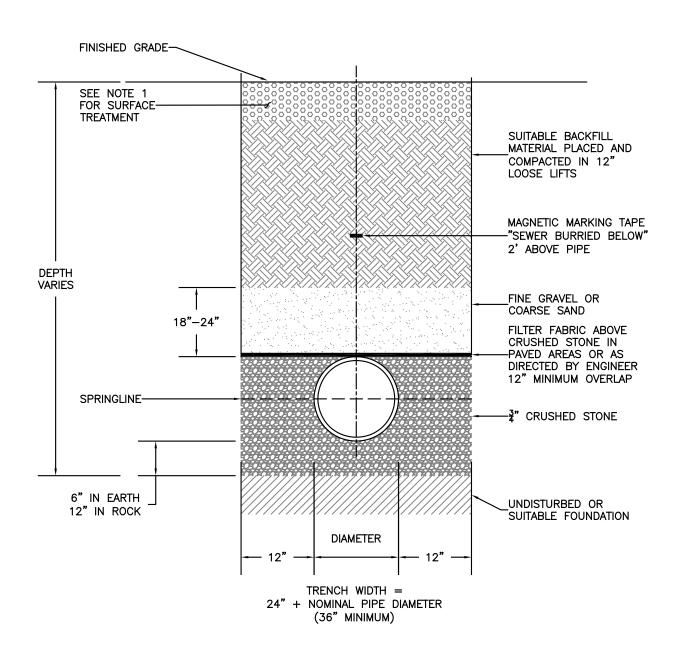
  3. IF PIPE MATERIAL IS DUCTILE IRON USE A NON FLY ASH BASED CONTROL DENSITY

FOR PREFABRICATED TRENCH DAM:

1. INSTALL AS INDICATED BY THE MANUFACTURER OR AS DIRECTED BY THE ENGINEER.

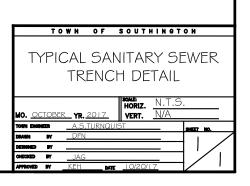
ALL SPECS FROM DOT FORM 817 ADOPTED 2016

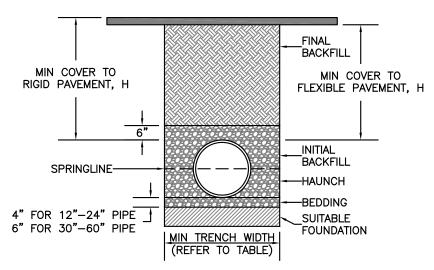




### NOTE:

- 1. FOR SURFACE TREATMENT REFER TO APPLICABLE DETAIL: CONSTRUCTION OF SUBDIVISION ROADWAY, PAVEMENT REPAIR, OR LOAM & SEED.
- 2. ALL SPECS FROM DOT FORM 817 ADOPTED 2016





### RECOMMENDED MINIMUM TRENCH WIDTHS 21" 6" 23" 8" 26' 10" 28" 12" 30" 15" 34" 18" 39" 24" 48" 30" 56" 36" 64" 42" 72" 48" 80" 54" 88"

96"

### MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

	SURFACE LIVE LOADING CONDITION							
PIPE DIAMETER	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *						
12"-48"	12"	48"						
54"-60"	24"	60"						

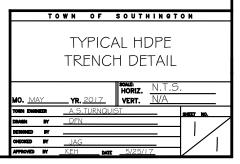
\*VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

### NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS". LATEST ADDITION

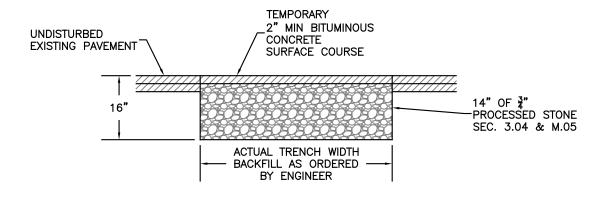
60"

- 2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL. WHEN REQUIRED.
- 3. <u>FOUNDATION:</u> WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING GEOTEXTILE MATERIAL.
- 4. <u>BEDDING:</u> SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
- 5. <u>INITIAL BACKFILL:</u> SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- 6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.



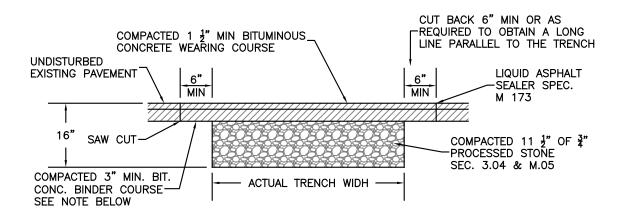
ALL SPECS FROM DOT FORM 817 ADOPTED 2016

# TEMPORARY PAVEMENT DETAIL SEC. 9.23

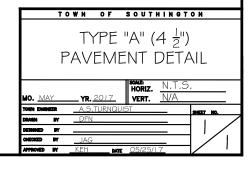


NOTE: TEMPORARY SURFACE COURSE SHALL BE CLASS II SEC. 9.23 & M.04

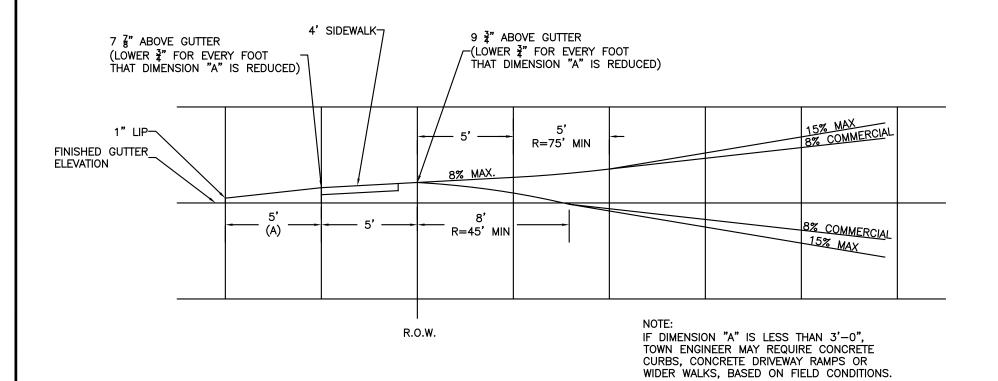
# PERMANENT PAVEMENT DETAIL SEC. 4.06



NOTE: WEARING COURSE SHALL BE CLASS II BINDER COURSE SHALL BE CLASS IV SEC. 4.06 & M.04 PERMANENT PAVEMENT THICKNESS TO MATCH EXISTING, IF GREATER THAN 4 ½"



ALL SPECS FROM DOT FORM 817 ADOPTED 2016



TOWN OF SOUTHINGTON

TYPICAL TREATMENT OF DRIVE WITH SIDEWALK

MO. NOVEMBER YR. 2017 FORM: DIVIDENCE A.S. TURNQUIST BRANCH BY DEN

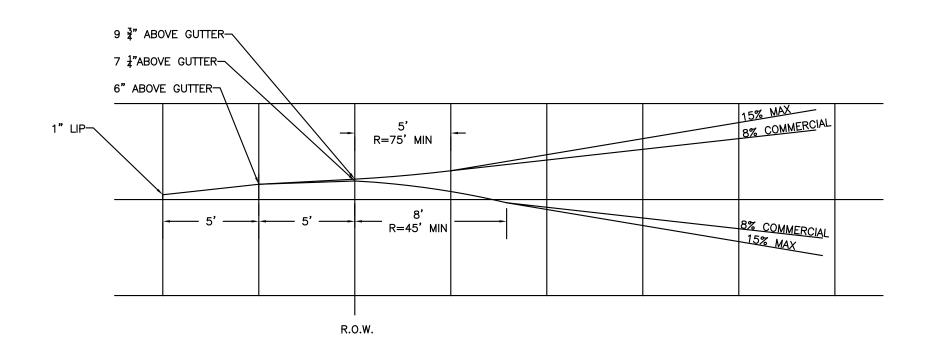
BENNE BY JAG

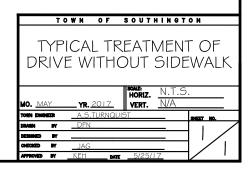
TOWN OF SOUTHINGTON

N.T.S.

VERT. NO.

BENNE BY JAG





ALL SPECS FROM DOT FORM 817 ADOPTED 2016



19845 US Highway 76 Newberry, SC 29108 T: 800-800-9008 F: 803-276-8940 www.skp-cs.com

# STRAIGHT SQUARE COMPOSITE POLES



COMPOSITE TUFF-POLE<sup>®</sup> Straight Square Composite Poles offer a unique solution to today's demanding requirements for lighting standards that enhance design. Their contemporary look is favored by architects, engineers and planners.

### **BENEFITS**

- Ease of installation
- Lightweight for easy handling
- Will not rust, rot or corrode
- Dent resistant
- Non-conductive

### 4" SQUARE SS4A AND SS4B SERIES

(Anchor Base and Direct Burial)

- 4" x 4" Straight Square
- Mounting Heights to 25'
- Smooth Finish
- Multiple Color Options
- Tenon Top or Capped for Side Drilling
- Anchor Bolts Included (5/8" x 21" x 3")
- Base Cover Included
- 8" 12.5" Bolt Circle

### 5" SQUARE SS5A AND SS5B SERIES

(Anchor Base and Direct Burial)

- 5" x 5" Straight Square
- Mounting Heights to 30'
- Smooth Finish
- Multiple Color Options
- Tenon Top or Capped for Side Drilling
- Anchor Bolts Included (3/4" x 30" x 3")
- Base Cover Included
- 10" 12.5" Bolt Circle



19845 US Highway 76 Newberry, SC 29108 T: 800-800-9008 F: 803-276-8940

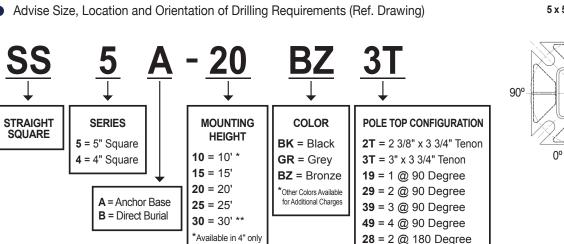
www.skp-cs.com

SS4: Straigh	t Square (	Compo	site Po	ole 4" F	Profile	Anchor Ba	se (SS4 <u>A</u> -)	Direct Buri	al (SS4 <u>B</u> -)	
Anchor Base (A)	Mounting	Effect	ive Proje	cted Area	(sq ft)	Ancho	r Base	Direct Burial		
or Direct Burial (B)	Height (ft)	90 MPH	100 MPH	110 MPH	120 MPH	Bolt Hole Circle (in)	Weight (lbs)	Shaft Length (ft)	Weight (lbs)	
SS4 10	10'	21.5	17.0	13.7	11.1	8" - 12.5"	27#	13'	28#	
SS4 15	15'	12.9	9.8	7.5	5.7	8" - 12.5"	37#	19'	40#	
SS4 20	20'	7.4	5.2	3.5	2.3	8" - 12.5"	47#	25'	55#	
SS4 25	25'	3.8	2.1	0.8	-	8" - 12.5"	57#	30'	70#	
SS5: Straigh	t Square C	ompo	site Po	ole 5" P	rofile	Anchor Bas	se (SS5 <u>A</u> -)	Direct Buri	al (SS5 <u>B</u> -)	
SS5 15	15'	28.7	22.1	17.3	13.6	10" - 12.5"	99#	19'	97#	
SS5 20	20'	17.5	12.7	9.2	6.5	10" - 12.5"	125#	25'	123#	
SS5 25	25'	10.2	6.5	3.8	1.7	10" - 12.5"	150#	30'	154#	
SS5 30	30'	5.0	2.0	-	-	10" - 12.5"	176#	35'	180#	

Product improvements may be made without prior notice.

- Reduced Lead Time (higher quantities may require longer lead time, consult factory)
- 30' Poles require shipment by flatbed and will ship first available flatbed.
- Freight Allowed \$2,000.00, Prepaid & add under \$2,000.00 SS4A and SS5A - Include anchor bolts and base cover
- SS4A and SS5A Pre-Shipped Anchor Bolts are prepaid and add
- Standard colors are Black, Bronze, and Grey
- Standard tenon sizes are 2 3/8" and 3"
- For cut down poles use full length pole price (Ex. SS5A-22 use SS5A-25 price)
- Contact factory for pricing regarding options or modifications

\*Avaiable in 5" only

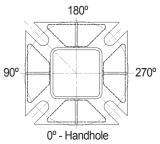


ND = Capped (No Drilling)

4 x 4 Anchor Base

180° 270° 0° - Handhole

5 x 5 Anchor Base



### PRODUCT OVERVIEW



### Applications:

Streetscapes Walkways Pathways Parks

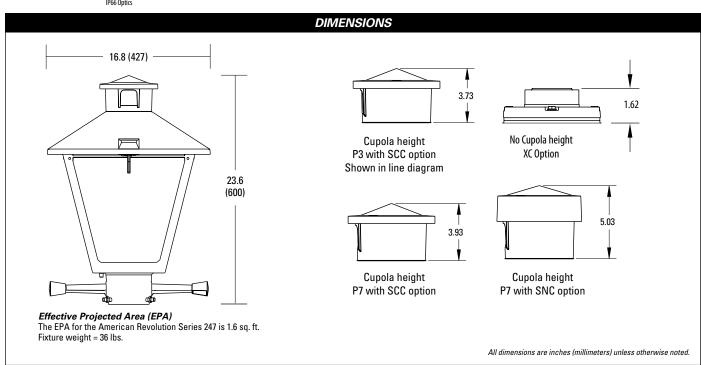






### Features:

- Colonial LED lantern, replaces up to 250W HID models for street and area lighting applications
- Fifteen (15) LED performance packages deliver just the right amount of light for any given application up to 9,000 lumens
- Available in color temperature choices of 2700K, 3000K and 4000K
- Four (4) distinct light distribution options provide design flexibility, available in Type II, Type III, Type IV, and Type V
- Available with acrylic or polycarbonate lens
- Die-cast aluminum housing, engineered for sturdy lifelong performance
- · Luminaire is rated for 3g vibration per ANSI C136.31
- Die-cast aluminum hood features a trigger latch (TL) option and captive thumb screws for fast, easy electrical and optical chamber access
- · Standard paint finish is smooth gloss
- Housing is tenon pole-mounted and designed for use with a 3" tall by 2-3/8" to 3" diameter tenon, and secured by three set screws
- Rated LED and driver life greater than 100,000 hours at 25°C
- Complies with all applicable ANSI C136 standards.
- CSA listed and suitable for up to 40°C ambient
- Surge protection device (standard) exceeds ANSI/IEEE C62.41-2002 Category C High (10kV/10kA) and ANSI C136.2-2015 Enhanced (10kV/5kA).
   20KV Option exceeds ANSI/IEEE C62.41-2002 Category C High (10kV/10kA) and ANSI C136.2-2015 Extreme (20kV/10kA)
- Equipped with LED electronic 0-10V dimmable driver with DALI driver option

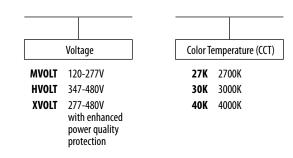


### ORDERING INFORMATION

Example: 247L P155 MVOLT 40K R3 AY BK SCC PR7



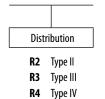
	Performance I	Package
Package	Input Watts	Lumens (nomina
P101	20	2,300
P102	30	3,000
P103	40	4,000
P104	49	4,700
P151	30	3,500
P152	40	4,200
P153	50	5,100
P154	60	5,900
P155	70	6,600
P201	70	7,200
P202	80	7,900
P300	41	4,700
P301	60	6,800
P302	70	7,600
P303	80	8,400



### Town of Southington Lighting Packages:

247L P101 MVOLT 40K R3 AY BK PCLL 247L P102 MVOLT 40K R3 AY BK PCLL

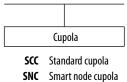
Contact the Engineering Department prior to ordering



R5 Type V



Paint (smooth gloss) BK Black GY Gray Dark Bronze DDB WH White ΒZ Bronze



No cupola

Photocontrol Receptacle NR No photocontrol receptacle 3 pin NEMA photocontrol PR7 7 pin NEMA photocontrol

n	Inti	i۸i	nc
- U	ш	0	15

Option	<u>is</u>
PCLL	Solid State Long Life Photocontrol, 120-277V (fail off)
P34	Solid State Long Life Photocontrol, 347V (fail off)
P48	Solid State Long Life Photocontrol, 480V (fail off)
PCSS	Solid state photocontrol, 120-277V (Not CSA Listed) (fail on)
SH	Shorting cap
AO	Field adjustable output module
DALI	DALI driver (RFD required)

<u>Miscella</u>	neous
SS	Stainless steel hardware
TL	Tool-less trigger latch entry
NL1X1	1"x 1" NEMA label
NL2X2	2" x 2" NEMA label
XL	Not CSA Listed
LDR	Ladder Rest
CR	Epoxy Pre-Coat Finish
20kV	20kV/10kA surge protection de
CNV	Field convertible to full cutoff

II	aneous	House-	Side Shields
S	Stainless steel hardware	HSB	House Side Black
L	Tool-less trigger latch entry	HSW	House Side White
1	1"x 1" NEMA label	<u>Prewire</u>	ed leads
2	2" x 2" NEMA label	L1H	1.5 ft. prewire leads
L	Not CSA Listed	L03	3 ft. prewire leads
2	Ladder Rest	L10	10 ft. prewire leads
2	Epoxy Pre-Coat Finish	L20	20 ft. prewire leads
ı	20kV/10kA surge protection device	L25	25 ft. prewire leads
I	Field convertible to full cutoff	L30	30 ft. prewire leads
	Note: Check the OPTIONS MATRIX on Page	3 for comp	atibility & restrictions

	Special Pack	<u>aging</u>
	SSP	Sample pack (UPS)
	Accessories (	ship separately):
S	247LFHSW	Field installable white shield (HSW)
_	247LFHSB	Field installable black shield (HSB)
5	247LFAY	Field installable acrylic
5		(AY) optic
5	247LFPY	Field installable

polycarbonate (PY) optic



### OPTIONS MATRIX

			Voltage			Distril	oution			Cupola		R	eceptac	le		Ph	otocont	rol				Other		
		MVOLT	HVOLT	XVOLT	R2	R3	R4	R5	SCC	SNC	XC	PR3	PR7	NR	PCLL	PCSS	P34	P48	SH	AO	DALI	20KV	CNV	XL
	P101	Υ	N	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	Υ	Υ	Υ
	P102	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P103	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P104	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P151	Υ	Υ	N	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P152	Υ	Υ	N	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P153	Υ	Υ	Υ	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
Lumen Package	P154	Υ	Υ	Υ	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
rackage	P155	Υ	Υ	N	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P201	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P202	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P300	Υ	Υ	N	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P301	Υ	Υ	Υ	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P302	Υ	Υ	Υ	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	P303	Υ	Υ	Υ	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	MVOLT				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	N	Υ	Υ	RFD	Υ	Υ	Υ
Voltage	HVOLT				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	N	Υ	Υ	Υ	Υ	N	Υ	Υ	Υ
	XVOLT				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	Υ	Υ	Υ
	SCC	Υ	Υ	Υ	Υ	Υ	Υ	Υ				Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Y
Cupola	SNC	Υ	Υ	Y	Υ	Υ	Υ	Υ				N	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	XC	Y	Υ	Υ	Υ	Υ	Υ	Υ				Υ	Υ	N	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Y
	PR3	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	Υ				Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Y
Receptacle	PR7	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ				Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	Υ	Υ
	NR	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	N				N	N	N	N	N	Υ	RFD	Υ	Υ	Y
	PCLL	Y	N	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	ļ					Υ	RFD	Υ	Υ	Υ
	PCSS	Υ	N	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	ļ					Υ	RFD	Υ	Υ	Υ
Photocontrol	P34	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N						Υ	RFD	Υ	Υ	Y
	P48	N	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N						Υ	RFD	Υ	Υ	Y
	SH	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N						Υ	RFD	Υ	Υ	Υ
	AO	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ		N	Υ	Υ	Υ
	DALI	RFD	N	N	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	RFD	RFD	RFD	RFD	RFD	RFD	RFD	N		RFD	RFD	RFD
Other	20KV	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	RFD		Υ	Υ
	CNV	Υ	Υ	Y	Υ	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Y	Υ	Υ	Υ	Υ	Υ	RFD	Υ		N
	XL	Y	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	RFD	Υ	N	

### MATRIX KEY

Y = Option combination is available

N = Option combination is not available

 $\label{eq:RFD} \textbf{RFD} = \textbf{Option combination is available but additional information required. Consult factory.}$ 

### OPERATING CHARACTERISTICS

			AY Optic										
Performance	Wattage	age CCT	F	12	R	13	R	4	R5				
Package			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW			
		2700K	2,182	109	2,169	108	2,130	107	2,240	112			
P101	20	3000K	2,277	114	2,264	113	2,224	111	LPW         Lumens           107         2,240           111         2,338           116         2,440           96         3,034           100         3,166           105         3,304           93         3,896           97         4,066           101         4,243           89         4,627           93         4,830           97         5,039            3,769            3,724            4,149            4,519            5,233            5,233            5,797            6,540            7,160           97         7,111           101         7,422           105         7,745           93         7,801           97         8,143           101         8,497            4,615            4,615            7,507            7,507            7,507 <td>117</td>	117			
		4000K	2,376	119	2,362	118	2,320	116	2,440	122			
		2700K	2,954	98	2,937	98	2,885	96	3,034	101			
P102	30	3000K	3,083	103	3,066	102	3,011	100	3,166	106			
		4000K	3,217	107	3,199	107	3,142	105	3,304	110			
		2700K	3,794	95	3,772	94	3,705	93	3,896	97			
P103	40	3000K	3,960	99	3,937	98	3,867	97	4,066	102			
		4000K	4,132	103	4,108	103	4,035	101	4,243	106			
		2700K	4,506	91	4,480	91	4,400	89	4,627	94			
P104	49	3000K	4,703	95	4,676	95	4,593	93	4,830	98			
		4000K	4,908	99	4,880	99	4,793	97	5,039	102			
		2700K	3,329	111	3,310	110			3,419	114			
P151	30	3000K	3,475	116	3,455	115			3,569	119			
		4000K	3,626	121	3,606	120			3,724	124			
		2700K	4,040	101	4,017	100			· ·	104			
P152	40	3000K	4,217	105	4,193	105			· ·	108			
		4000K	4,400	110	4,375	109				113			
		2700K	4,883	98	4,855	97			·	100			
P153	50	3000K	5,096	102	5,067	101				105			
1 155	30	4000K	5,318	106	5,288	106			-	109			
		2700K	5,645	94	5,613	94				97			
P154	60	3000K	5,892	98	5,858	98				101			
1 151		4000K	6,148	102	6,113	102			· '	105			
		2700K	6,402	91	6,366	91				94			
P155	70	3000K	6,682	95	6,644	95			· ·	98			
LIDD	70	4000K	6,973	100	6,933	99			· '	102			
		2700K	6,925	99	6,885	98	6,763		· '	102			
P201	70	3000K	7,228	103	· '	103	7,059		· ·	102			
P201	/0				7,187		-						
		4000K	7,542	108	7,499	107	7,366		-	111			
מבח	00	2700K	7,597	95	7,554	94	7,419		-	98			
P202	80	3000K	7,929	99	7,884	99	7,744			102			
		4000K	8,274	103	8,227	103	8,080		· '	106			
		2700K	4,494	111	4,468	110			,	114			
P300	41	3000K	4,690	116	4,664	115			· ·	119			
		4000K	4,894	121	4,866	120				124			
Dans		2700K	6,544	109	6,507	108				112			
P301	60	3000K	6,831	114	6,792	113				117			
		4000K	7,128	119	7,087	118				122			
		2700K	7,310	104	7,269	104				107			
P302	70	3000K	7,630	109	7,587	108			· · · · · · · · · · · · · · · · · · ·	112			
		4000K	7,962	114	7,917	113			8,176	117			
		2700K	8,064	101	8,018	100			8,281	104			
P303	80	3000K	8,417	105	8,369	105			8,643	108			
		4000K	8,783	110	8,733	109			9,019	113			

Optic	Factor
AY	1.00
PY	.92



### **PROJECTED LED LUMEN MAINTENANCE**

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). For other lumen maintenance values, contact factory.

LED Lumen Maintenance										
Performance Package	Initial	25k hours	36k hours	50k hours	60k hours	75k hours	100k hours			
P101, P102, P151, P300	1.00	0.96	0.94	0.92	0.90	0.88	0.85			
P103, P152	1.00	0.95	0.93	0.91	0.90	0.87	0.84			
P153, P301, P302	1.00	0.95	0.93	0.91	0.89	0.87	0.83			
P104, P154, P201, P303	1.00	0.95	0.93	0.90	0.89	0.86	0.82			
P155, P202	1.00	0.94	0.92	0.89	0.88	0.85	0.80			

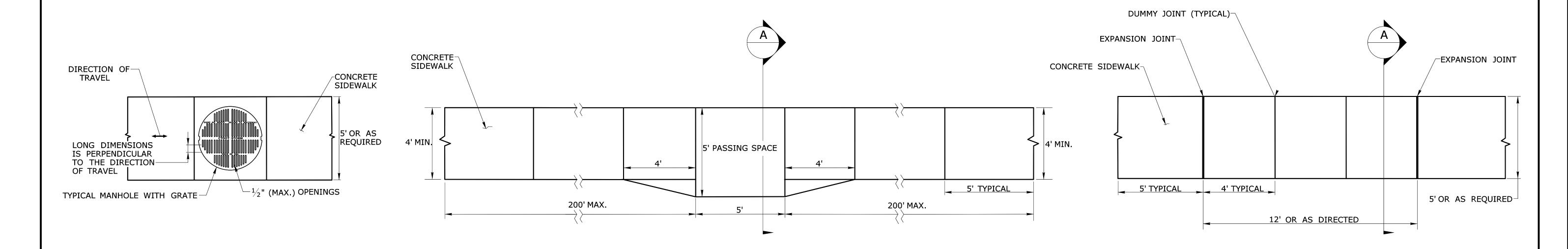
### **LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS**

Use these factors to determine relative lumen output for average ambient temperatures from 0-40  $^{\circ}$ C (32-104  $^{\circ}$ F).

Luminaire Ambient Temperature (LAT) Multiplier								
0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C
1.04	1.03	1.02	1.02	1.01	1.00	0.99	0.98	0.97

# **GENERAL NOTES:**

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

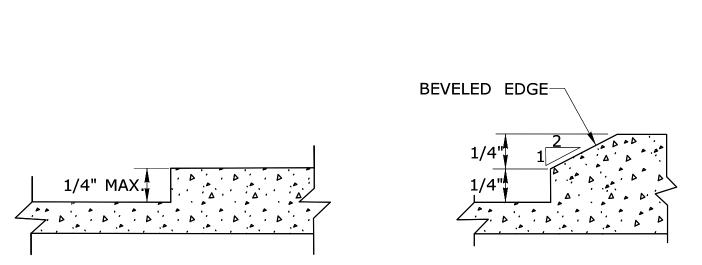


## PEDESTRIAN ACCESS ROUTE **OVER A MANHOLE WITH GRATE**

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

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

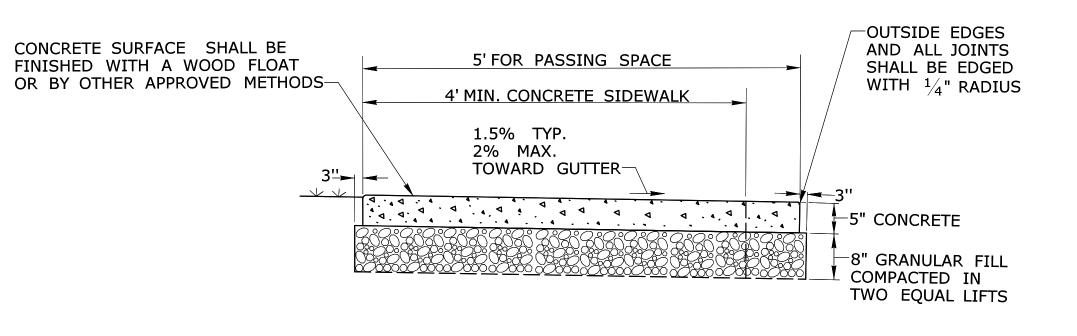
PASSING SPACES SHALL BE PROVIDED AT INTERVALS OF 200' MAXIMUM FOR SIDEWALKS LESS THAN 5' IN WIDTH 5' WIDE SIDEWALK **PLAN** 



# **VERTICAL SURFACE DISCONTINUITIES**

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

> OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111



## 5' PASSING SPACE FOR 4' WIDE SIDEWALK

SECTION A

BLOCK:

APPROVED BY:

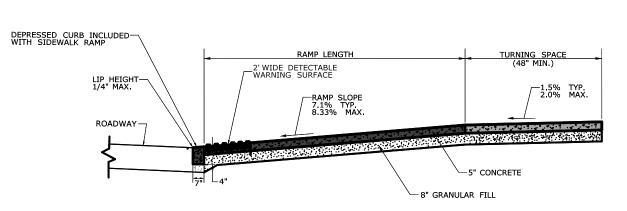
STATE OF CONNECTICUT TRANSPORTATION

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

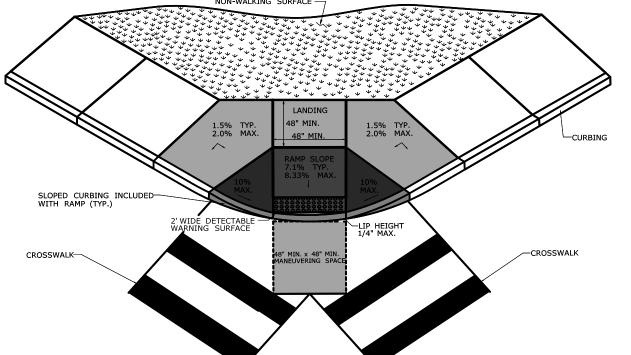
####

DESIGNER/DRAFTER:

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

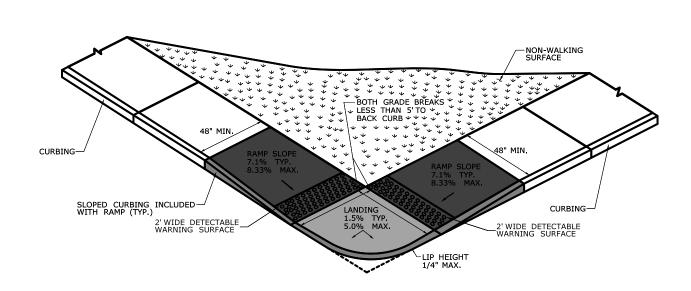


- BASIC RAMP ATTRIBUTES
   Plan view of Ramp Components
   Section View of Typical Ramp
   Wheelchair Cross-slope Criteria
   Ramp Warping Detail



# PERPENDICULAR RAMP(S) WITH STREET MANEUVERING SPACE

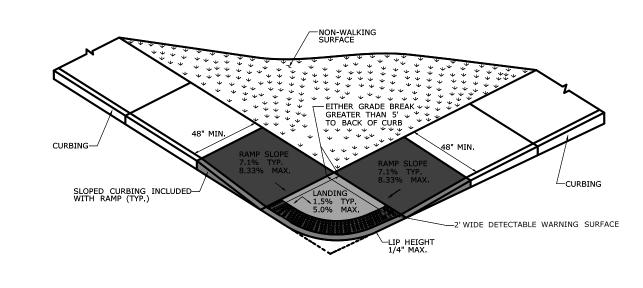
TYPE 6 LANDING OBSTRUCTION PRESENT TYPE 7 NO LANDING OBSTRUCTION



### **GRADE BREAK OF 5' OR LESS**

TYPE 1 SIDEWALK ABUTS ROADWAY

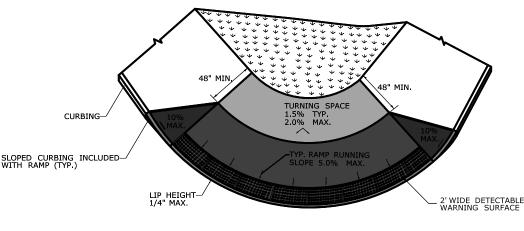
TYPE 3 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA



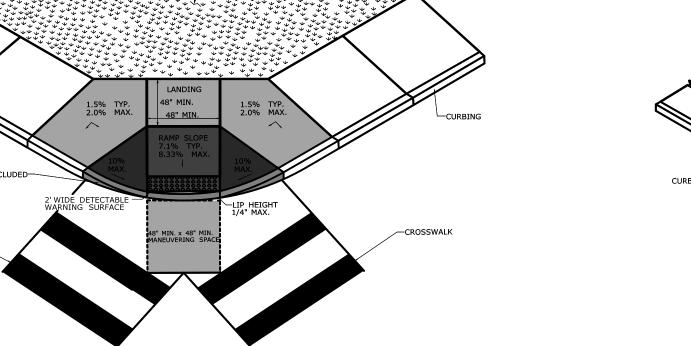
## **GRADE BREAK GREATER THAN 5'**

TYPE 2 SIDEWALK ABUTS ROADWAY

TYPE 4 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA



# **BLENDED RAMP WITH** TURNING SPACE AT THE TOP TYPE 5 SIDEWALK ABUTS ROADWAY

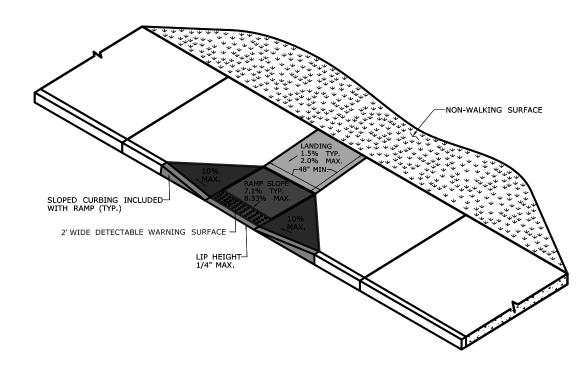


# PARALLEL RAMP(S)

TYPE 9 TWO RAMP(S) APPROACH TO LANDING

SLOPED CURBING INCLUDED WITH RAMP (TYP.)

TYPE 10 SINGLE RAMP TO LANDING



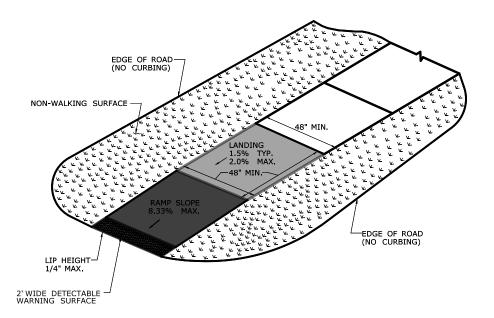
# PERPENDICULAR RAMP(S)

TYPE 8 LANDING BYPASS WITH WALKABLE SURFACE

LANDING WITH NON-WALKABLE SURFACE

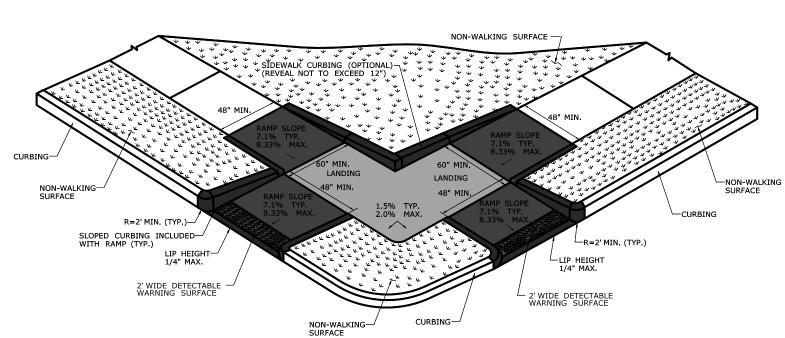
TYPE 12 60" X 48" LANDING WITH NON-WALKABLE SURFACE

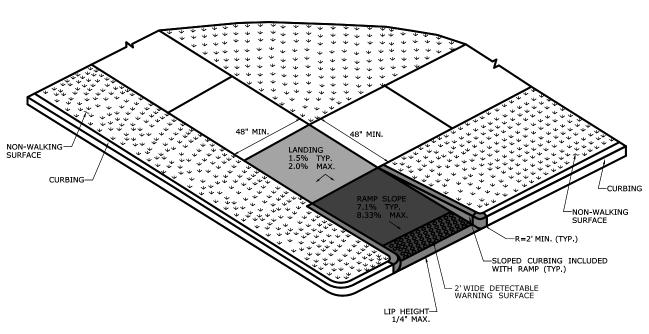
TYPE 11 60" X 60" LANDING WITH NON-WALKABLE SURFACE



# **SINGLE DIRECTION RAMP(S)**

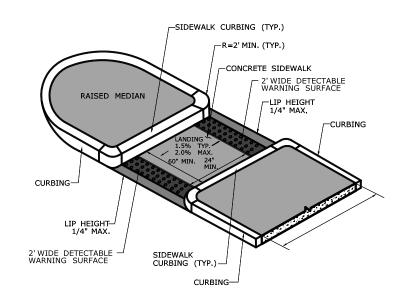
TYPE 15 LANDING'S GRADE BREAK LESS THAN 5 FT TYPE 14 LANDING'S GRADE BREAK GREATER 5 FT TYPE 16 RAMP WITH RETURN CURBING TYPE 17 RAMP WITH NO RETURN CURBING





# RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP(S)

TYPE 20 SINGLE RAMP FROM LANDING TYPE 21 TWO RAMP(S) TO LANDING



# PEDESTRIAN REFUGE ISLAND(S)

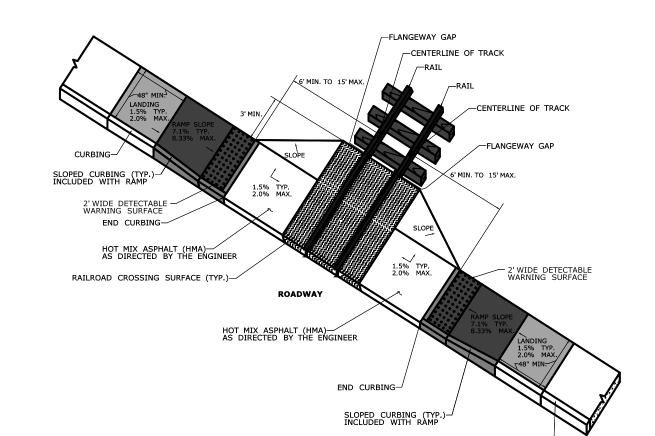
TYPE 22 ISLAND WIDTH 6 FT OR MORE

TYPE 23 ISLAND LESS THAN 6 FT WIDE

TYPE 24 REFUGE ISLAND WITH ELEVATED LANDING

TYPE 25 RIGHT TURN SLIP-LANE REFUGE ISLAND

TYPE 26 REFUGE ISLAND WITH OFFSET ACCESS



### RAILROAD CROSSING RAMPS

TYPE 27 RAILROAD CROSSING WITHOUT GATE TYPE 28 RAILROAD CROSSING WITH GATE

PERPENDICULAR RAMP(S) TYPE 18 EXAMPLE OF RAMP FLARE/CURB APPLICATIONS TYPE 19 COMBINATION SIDEWALK RAMPS

> SIGNATURE/ BLOCK: APPROVED BY: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE

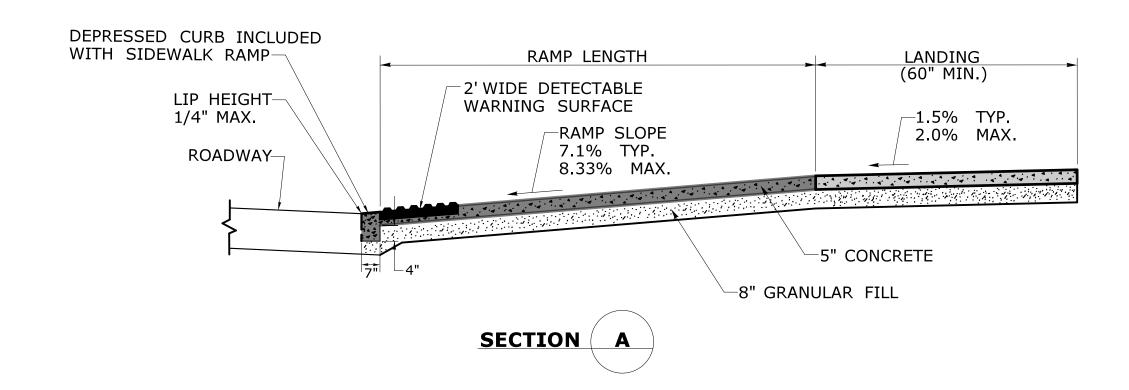
NEWINGTON, CT 06111

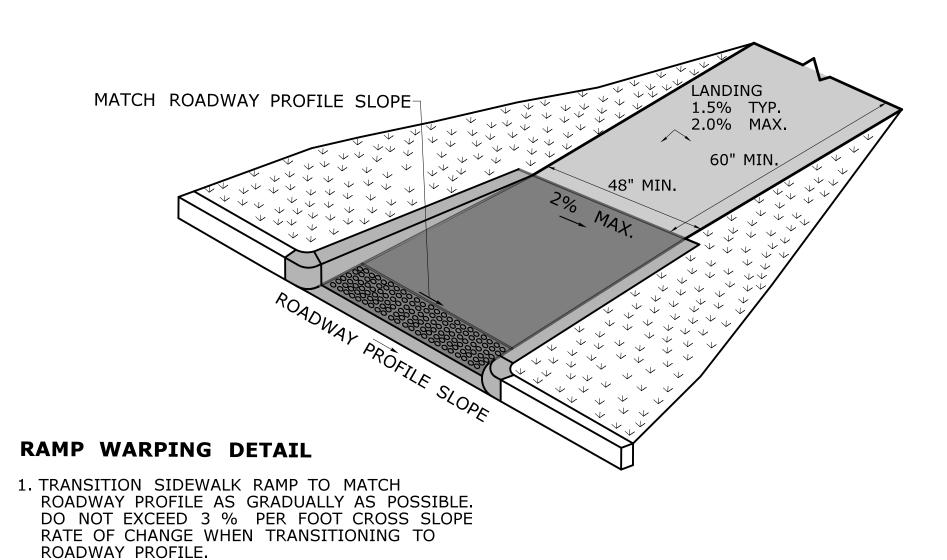


PROJECT NUMBER: #### PROJECT DESCRIPTION: #### DRAWING TITLE: CONCRETE SIDEWALK RAMP INDEX SHEET ####

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

# CURBING CURBING 10% MAX. RAMP SLOPE 2.0% MAX. PERPENDICULAR SIDEWALK RAMP AND SECTION

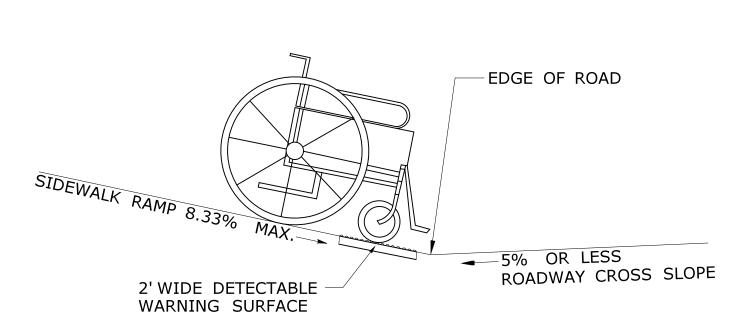




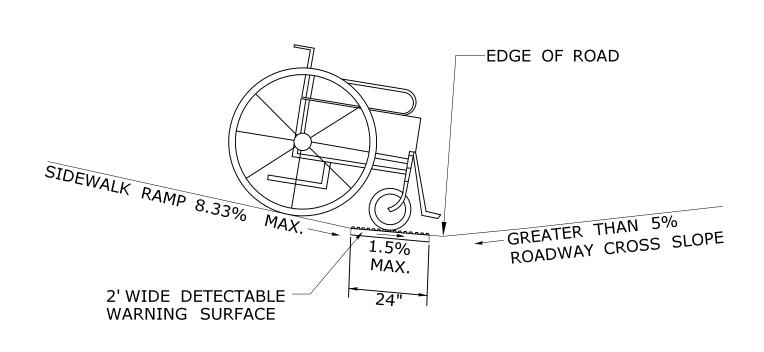
2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.

# **GENERAL NOTES:**

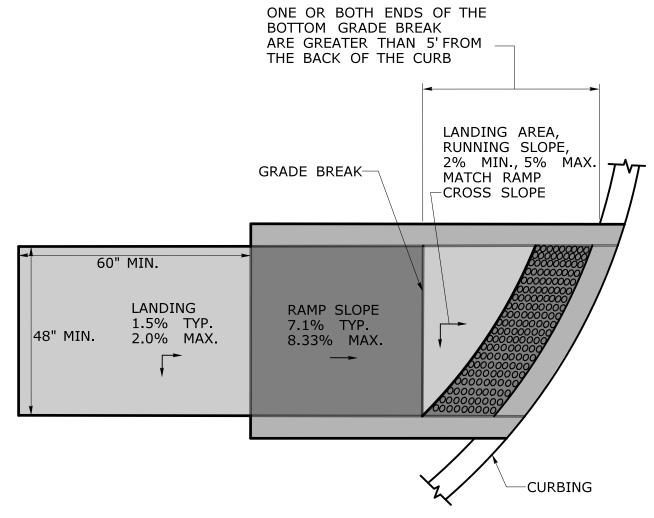
- 1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP. 2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
- 3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
- 4. THE RUNNING SLOPE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



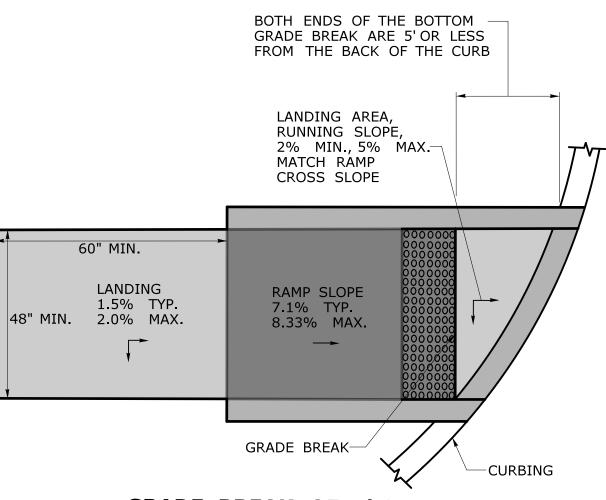
SIDEWALK RAMP GRADE AT
ROADWAY CROSS SLOPE OF 5% OR LESS
GUTTER COUNTER SLOPE



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

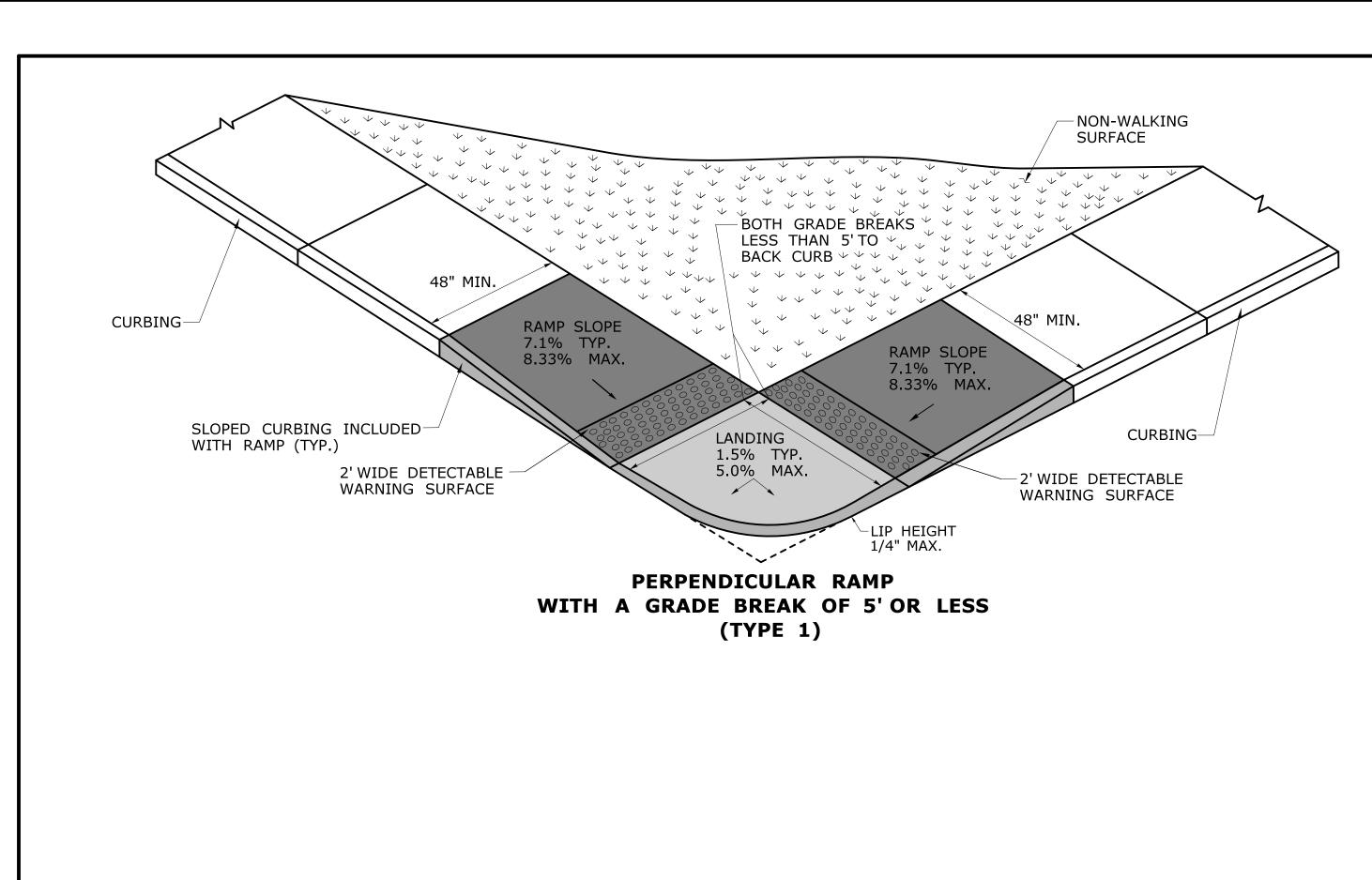


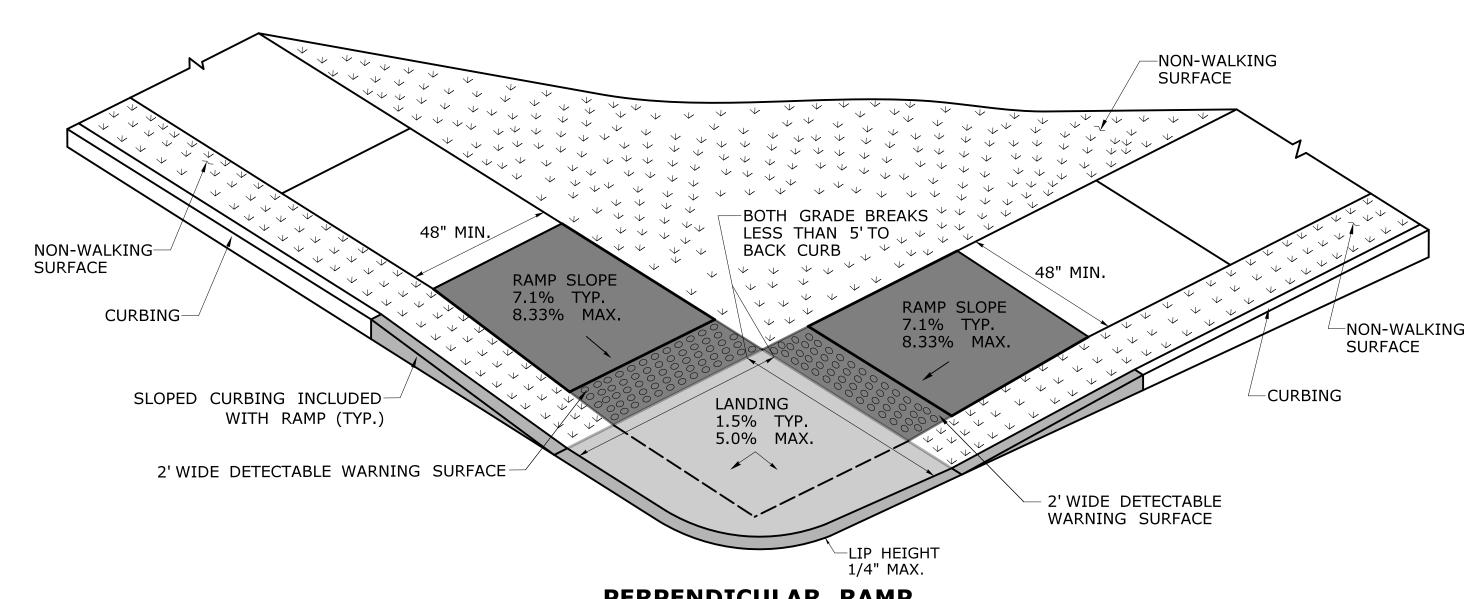
GRADE BREAK GREATER THAN 5'
DETECTABLE WARNING SURFACE LOCATION



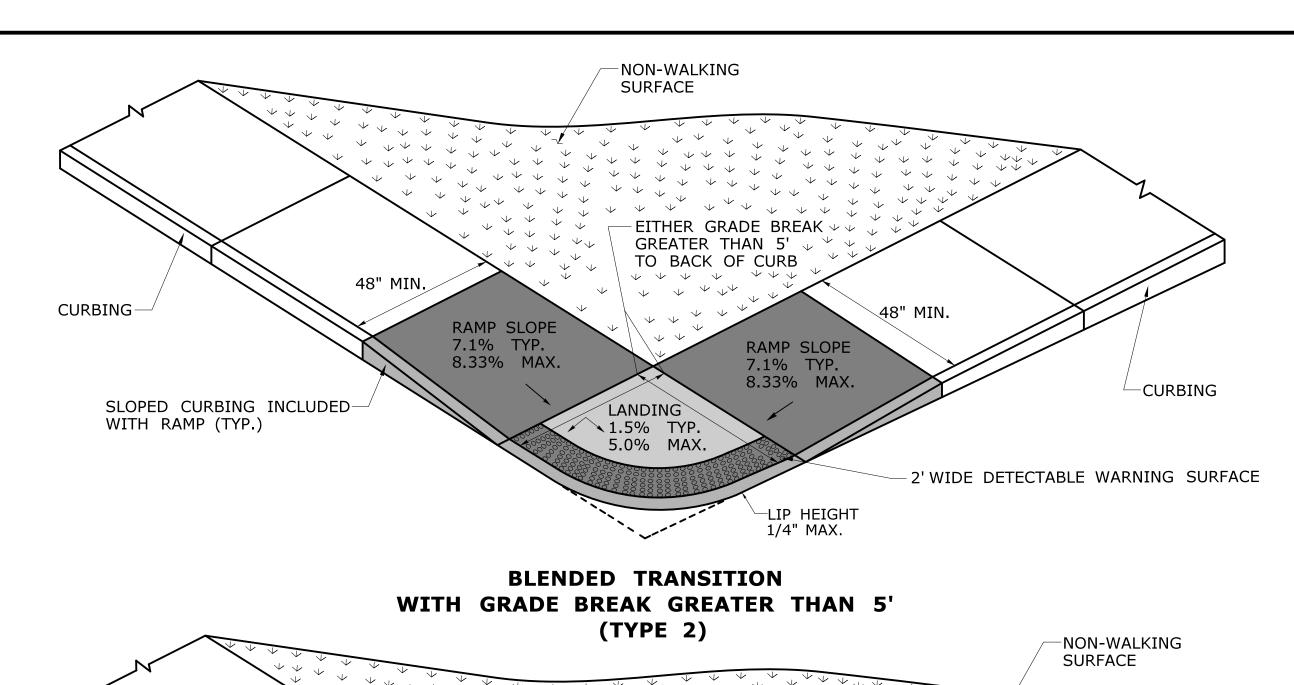
GRADE BREAK OF 5' OR LESS
DETECTABLE WARNING SURFACE LOCATION

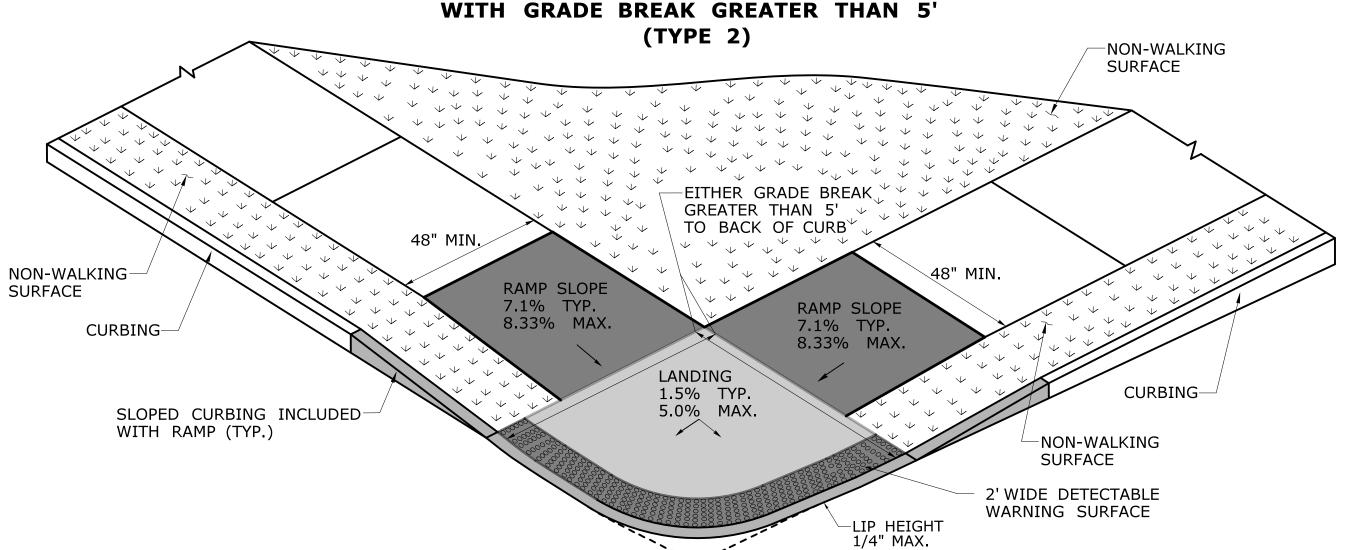
DESIGNER/DRAFTER:



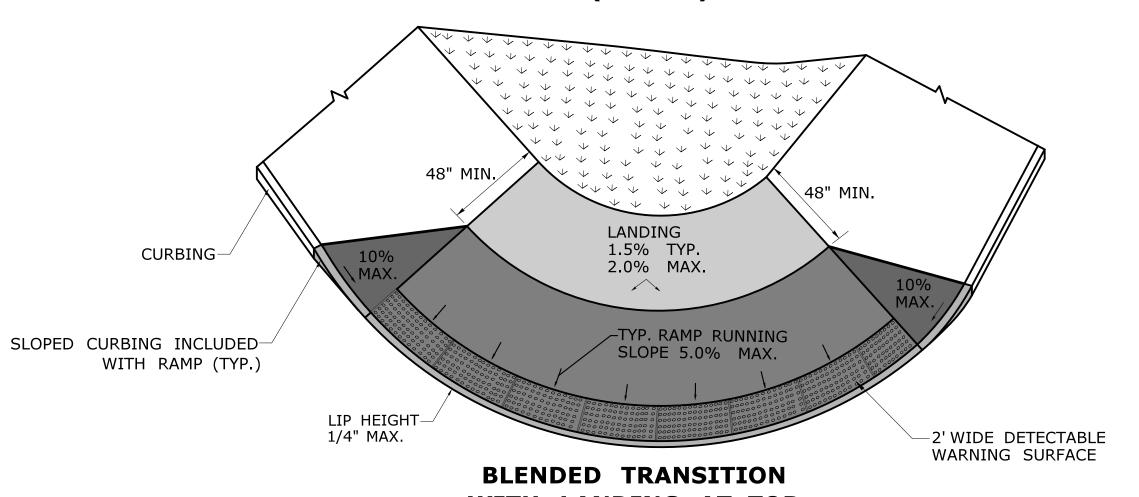


PERPENDICULAR RAMP WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS (TYPE 3)



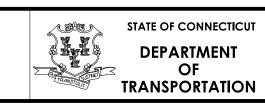


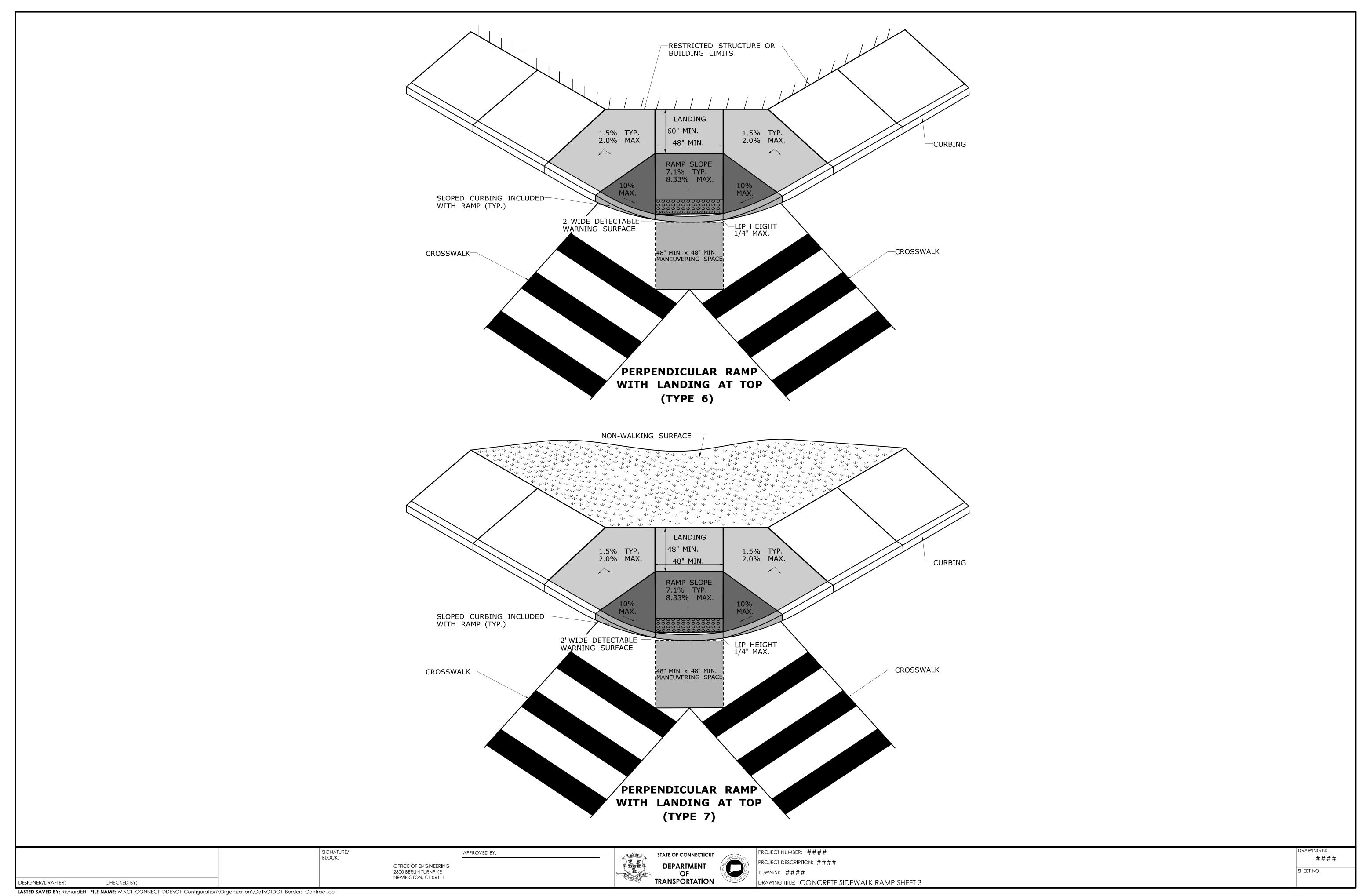
# **BLENDED TRANSITION** WITH A GRADE BREAK TO BACK OF CURB GREATER THAN 5' (TYPE 4)

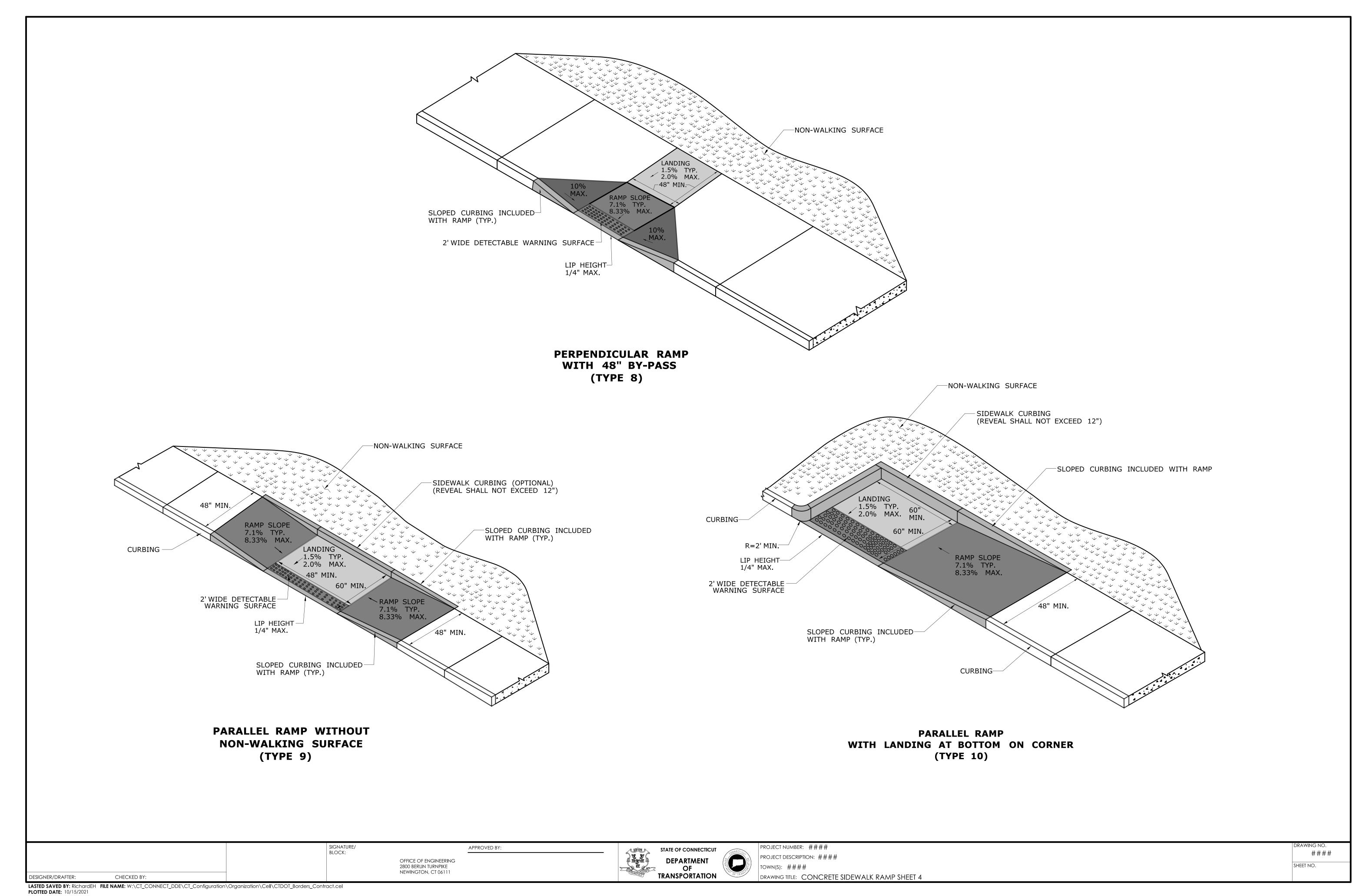


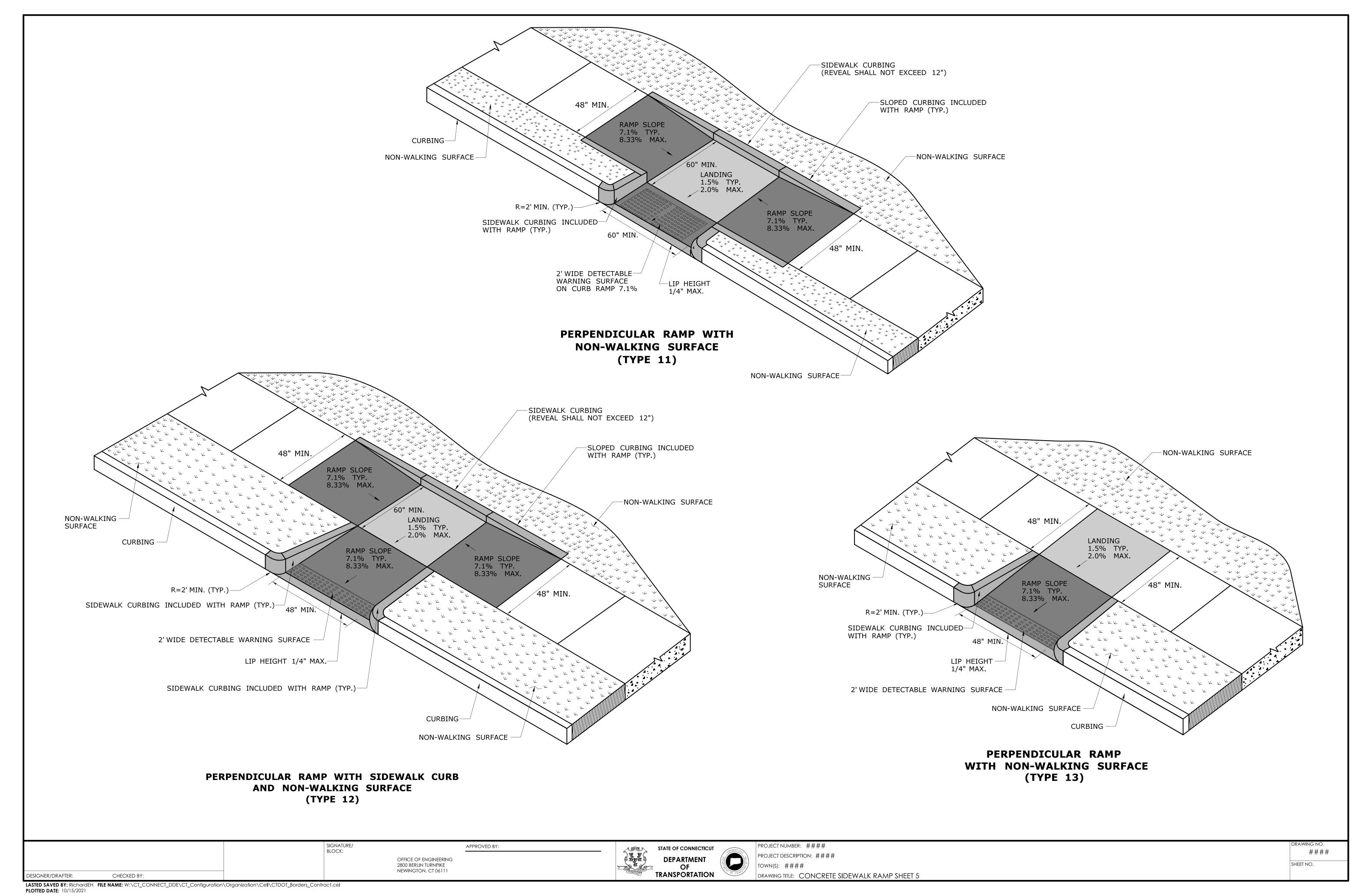
WITH LANDING AT TOP (TYPE 5)

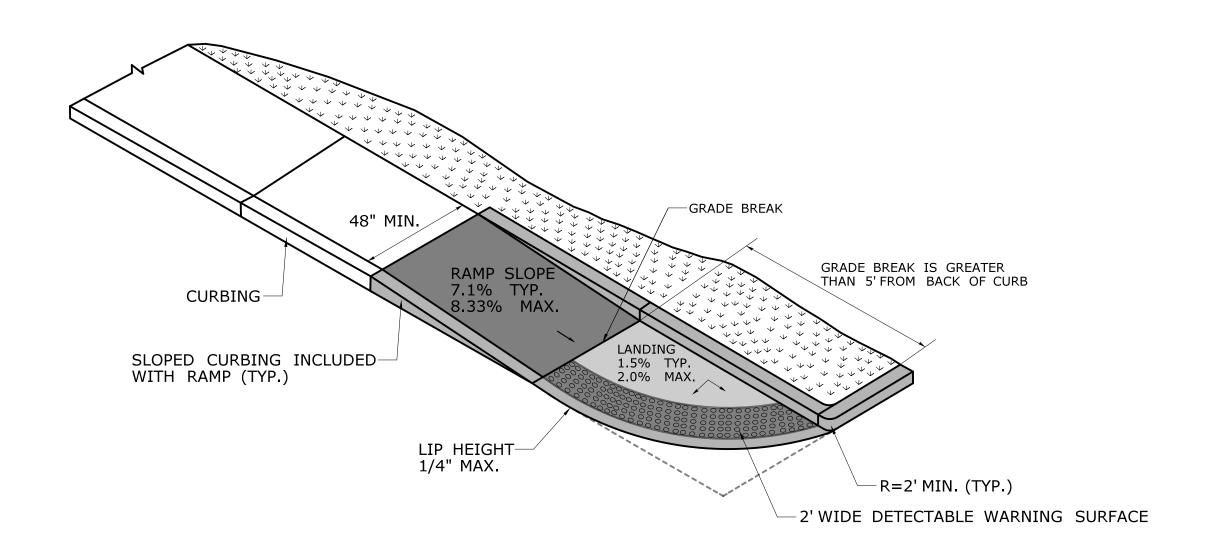
SIGNATURE/ BLOCK: APPROVED BY: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111



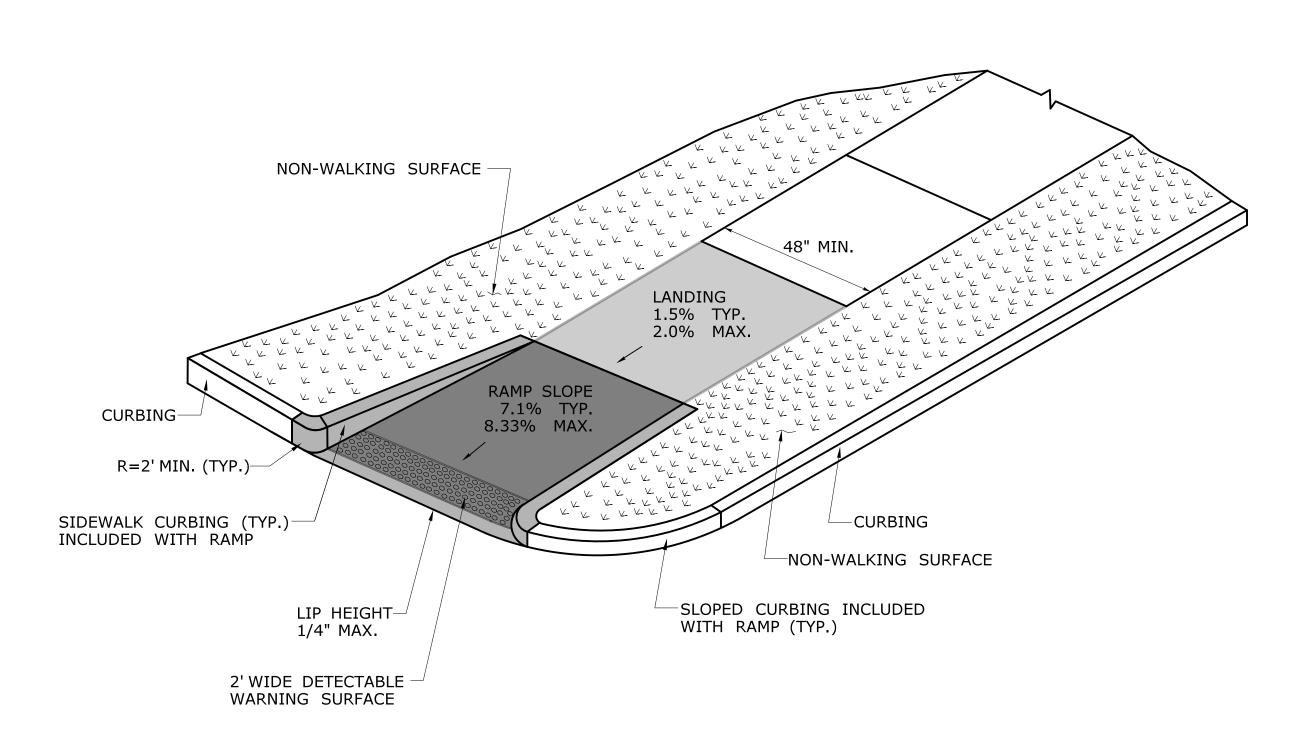




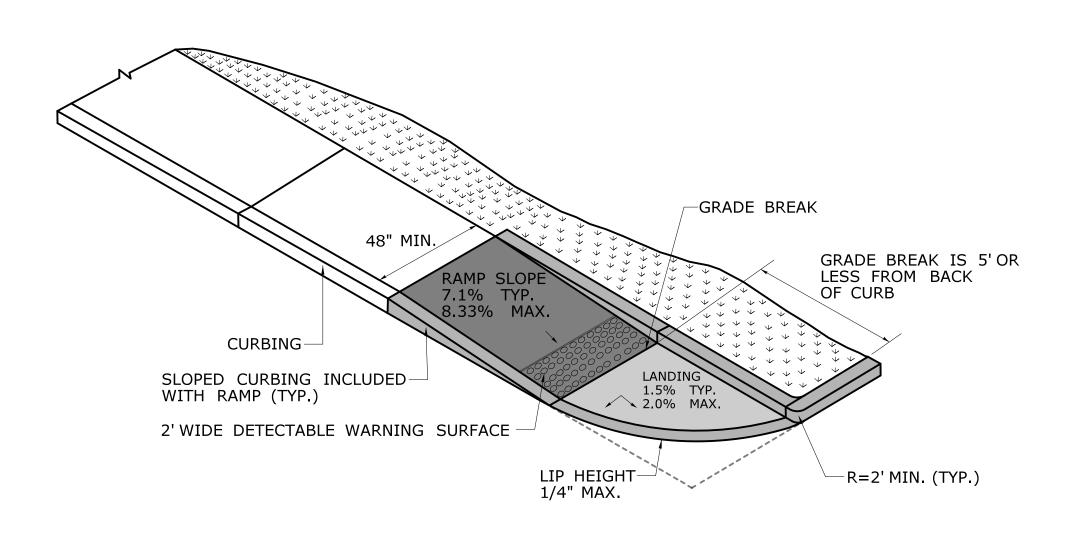




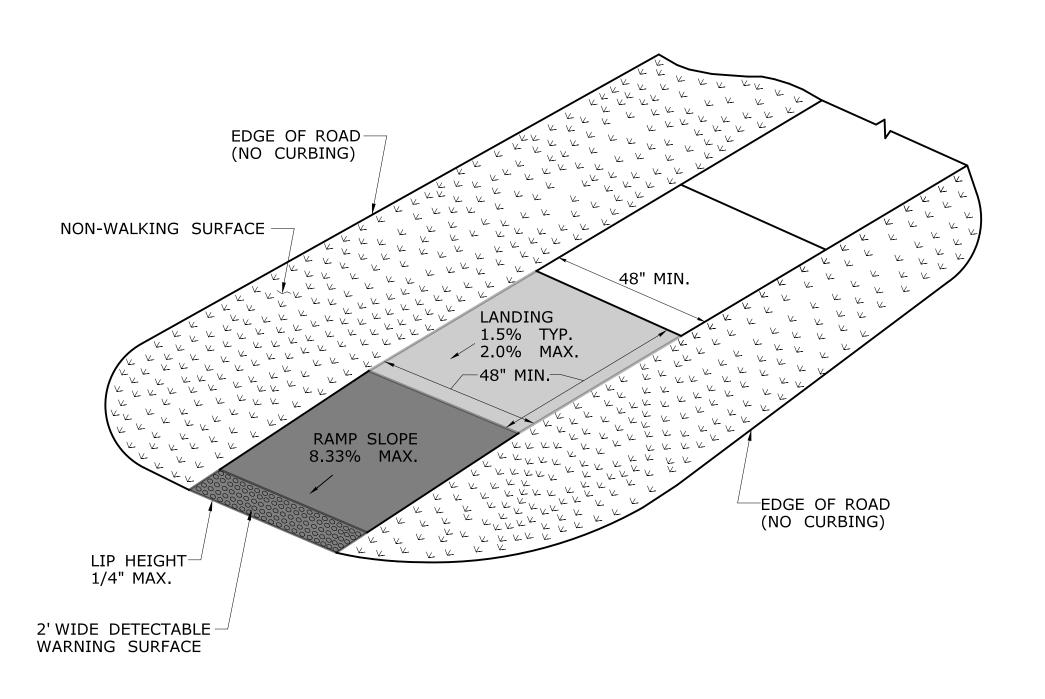
# SINGLE DIRECTION RAMP WITHOUT NON-WALKING SURFACE **GRADE BREAK GREATER THAN 5'** (TYPE 14)



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



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



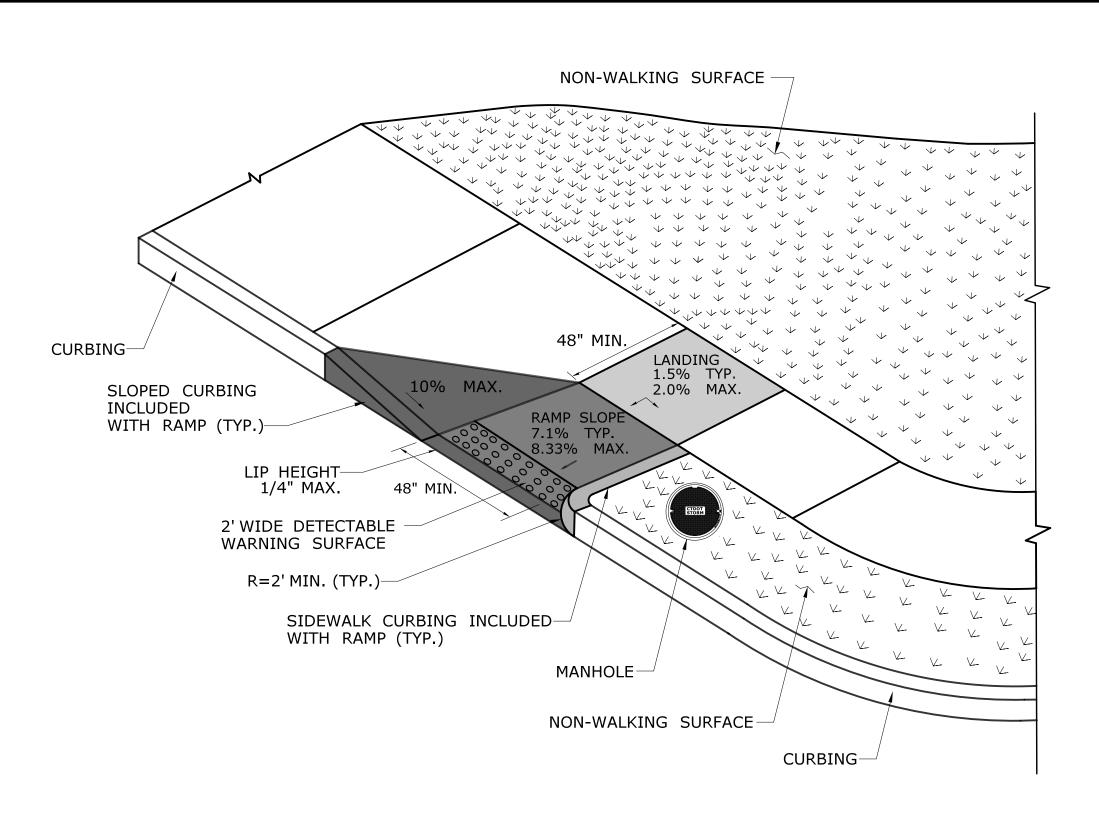
SINGLE DIRECTION - NO CURB WITH NON-WALKING SURFACE (TYPE 17)

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

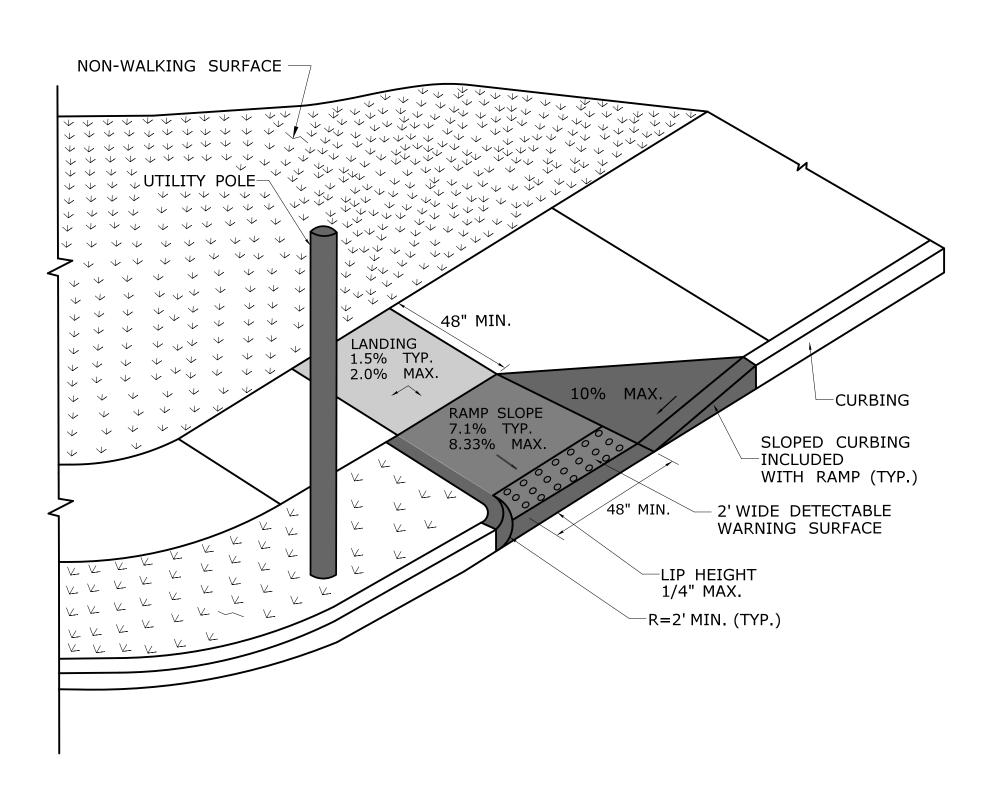
STATE OF CONNECTICUT TRANSPORTATION

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

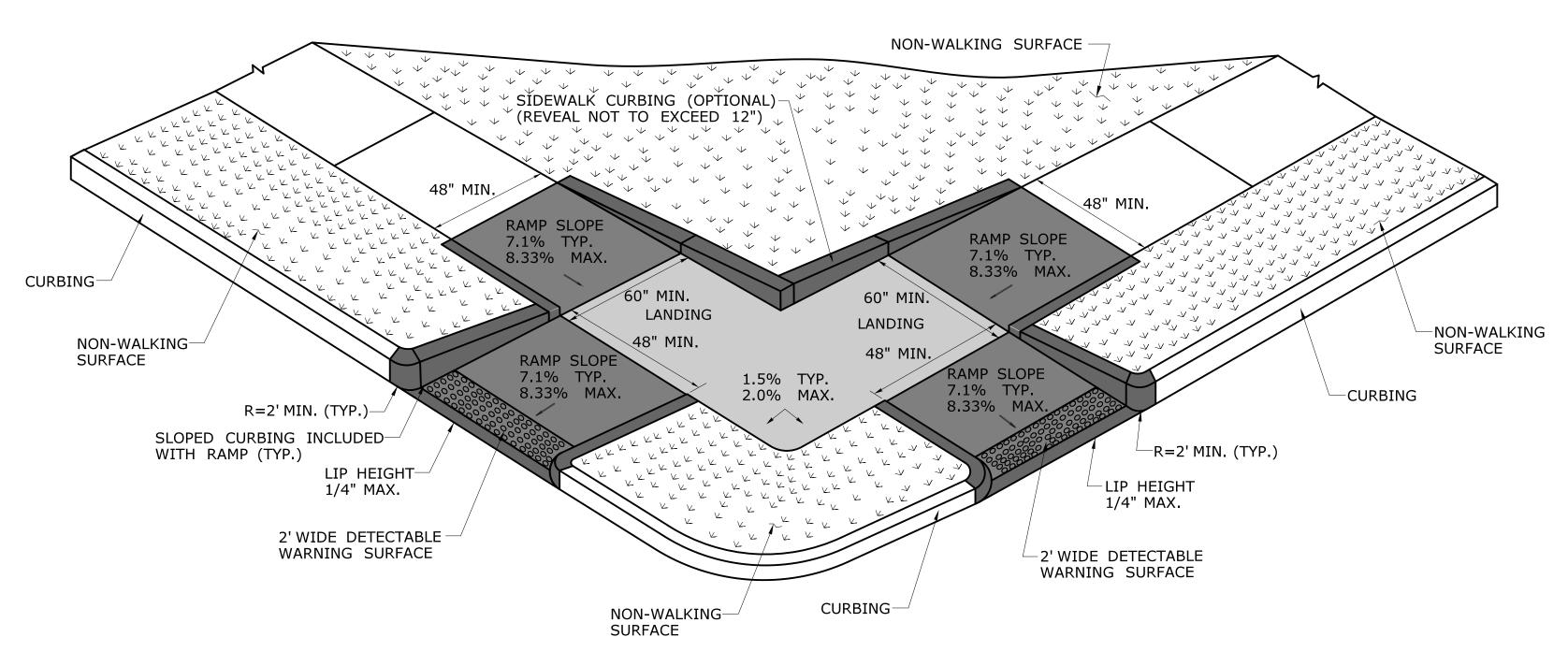
####



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

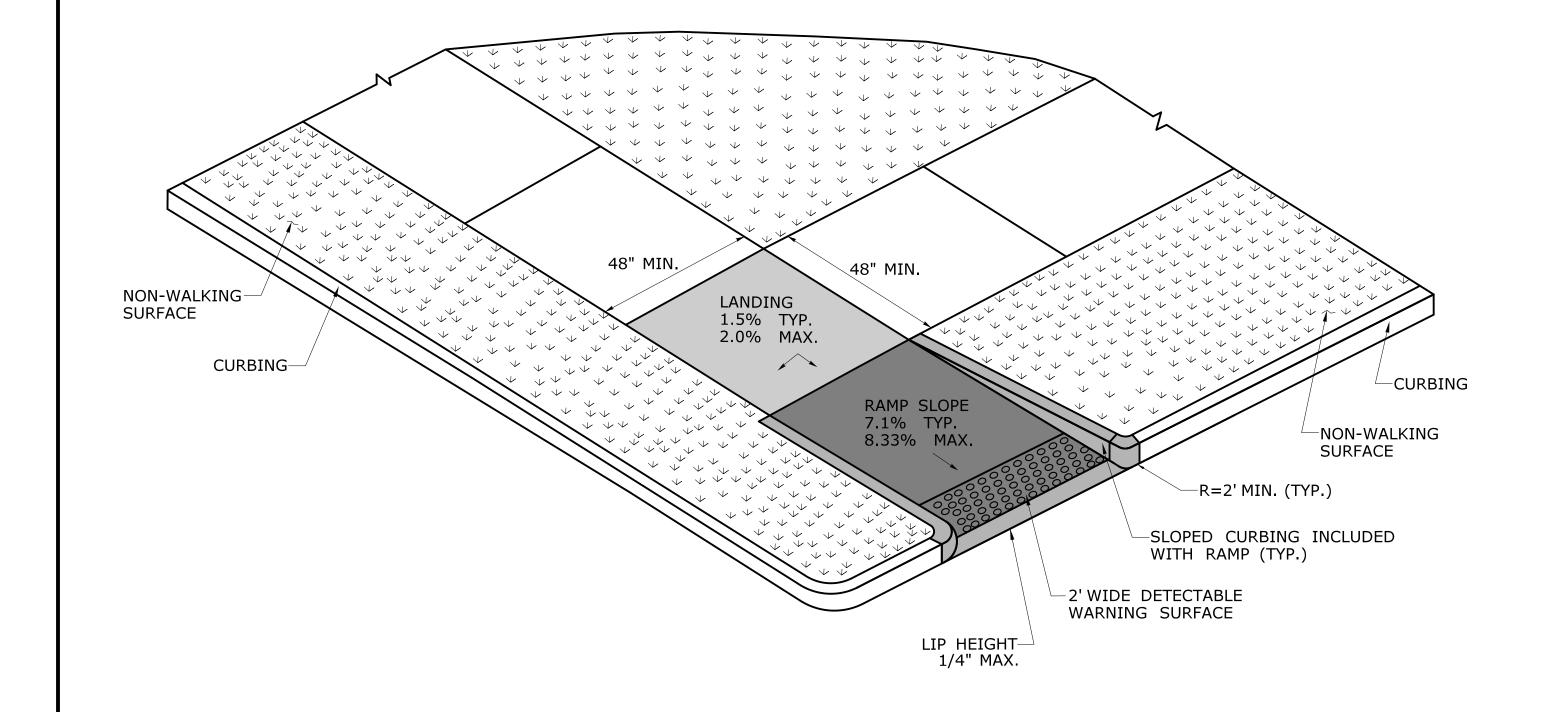


# PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 18 RIGHT)



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 19)

SIGNATURE/ BLOCK: PROJECT NUMBER: #### APPROVED BY: STATE OF CONNECTICUT #### PROJECT DESCRIPTION: #### OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111 TRANSPORTATION DRAWING TITLE: CONCRETE SIDEWALK RAMP SHEET 7 DESIGNER/DRAFTER:



-SLOPED CURBING INCLUDED WITH RAMP (TYP.) (REVEAL NOT TO EXCEED 12") 48" MIN. NON-WALKING-SURFACE RAMP SLOPE 7.1% TYP. 8.33% MAX. RAMP SLOPE 7.1% TYP. 8.33% MAX. -CURBING CURBING-60" MIN. LANDING 1.5% TYP. 2.0% MAX. NON-WALKING
SURFACE R=2' MIN. (TYP.) SIDEWALK CURBING INCLUDED—WITH RAMP (TYP.) \_2' WIDE DETECTABLE WARNING SURFACE LIP HEIGHT— 1/4" MAX.

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

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

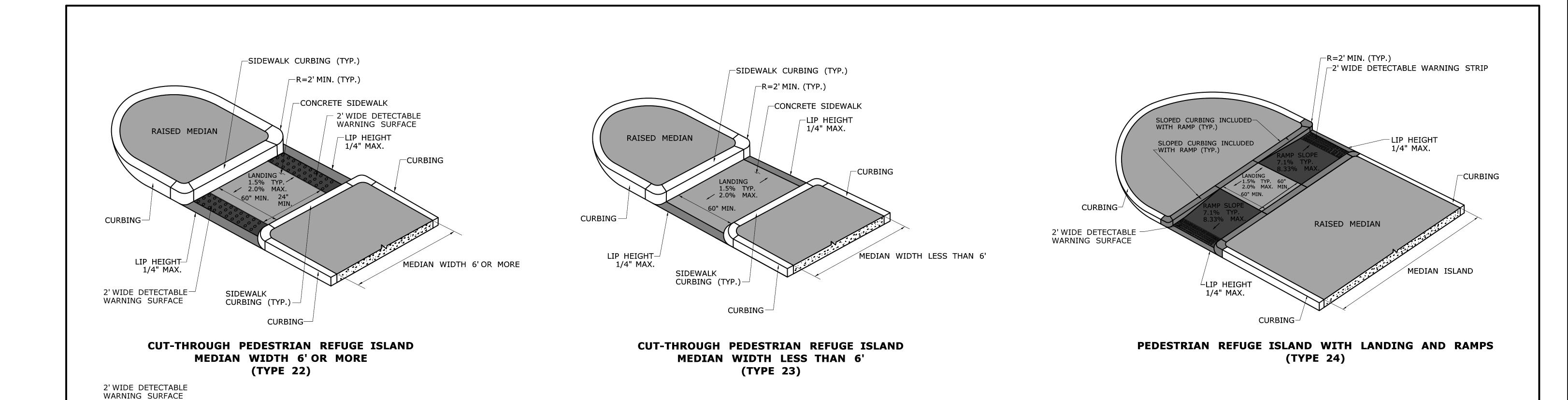
SIGNATURE/ BLOCK:

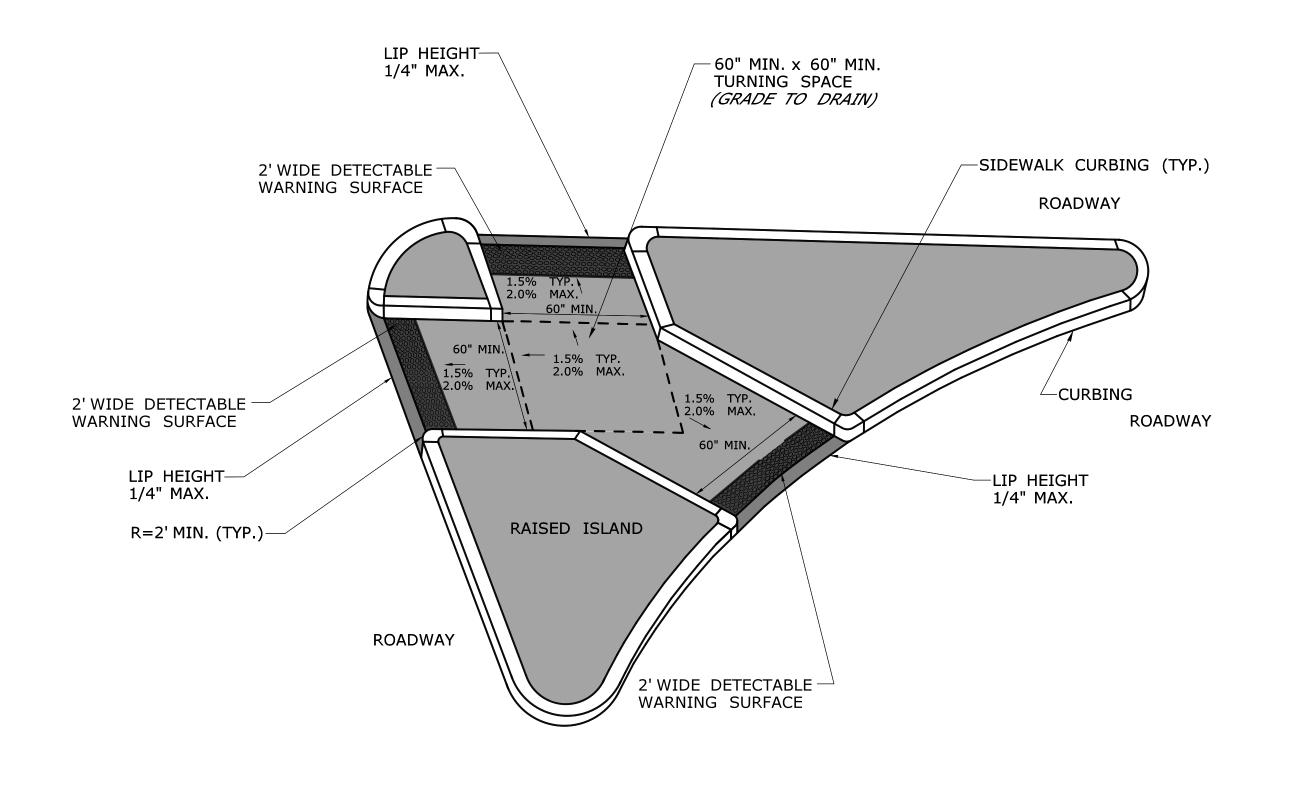
APPROVED BY: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111

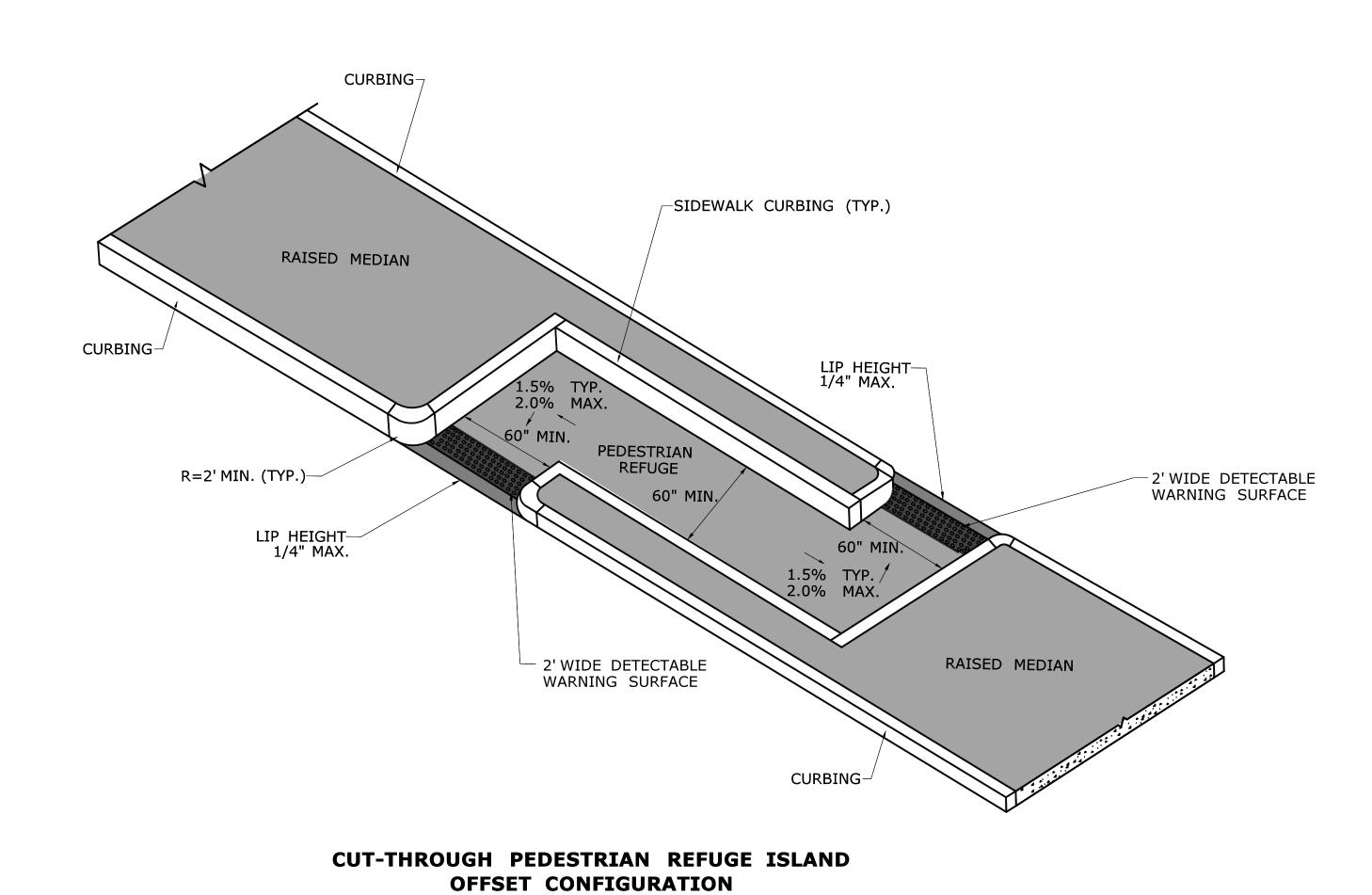
STATE OF CONNECTICUT TRANSPORTATION

PROJECT NUMBER: #### PROJECT DESCRIPTION: #### DRAWING TITLE: CONCRETE SIDEWALK RAMP SHEET 8

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(TYPE 26)

**CUT-THROUGH PEDESTRIAN REFUGE ISLAND** (TYPE 25)

SIGNATURE/ BLOCK: PROJECT NUMBER: #### APPROVED BY: STATE OF CONNECTICUT #### PROJECT DESCRIPTION: #### OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111 **TRANSPORTATION** DRAWING TITLE: CONCRETE SIDEWALK RAMP SHEET 9 DESIGNER/DRAFTER:

