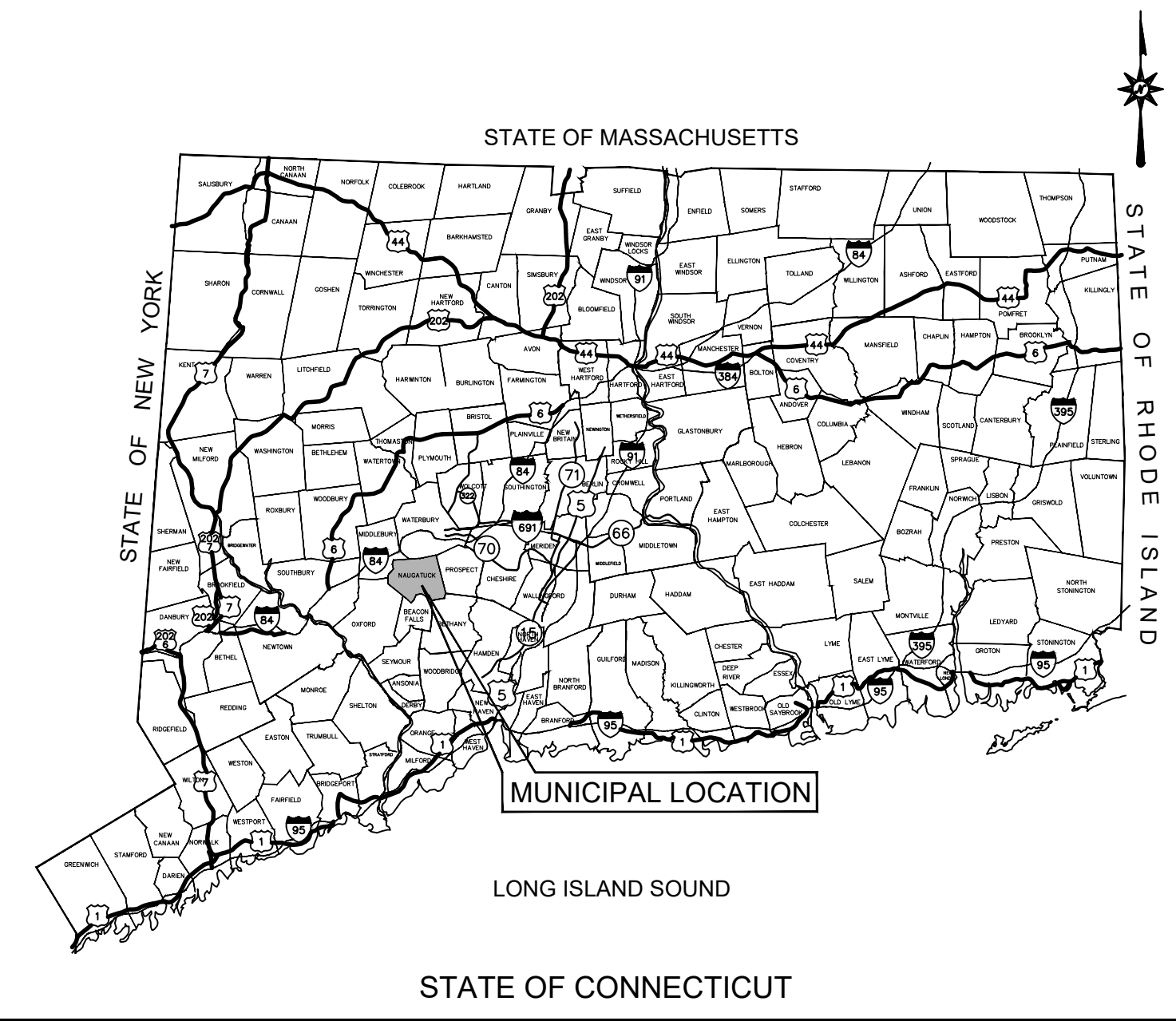
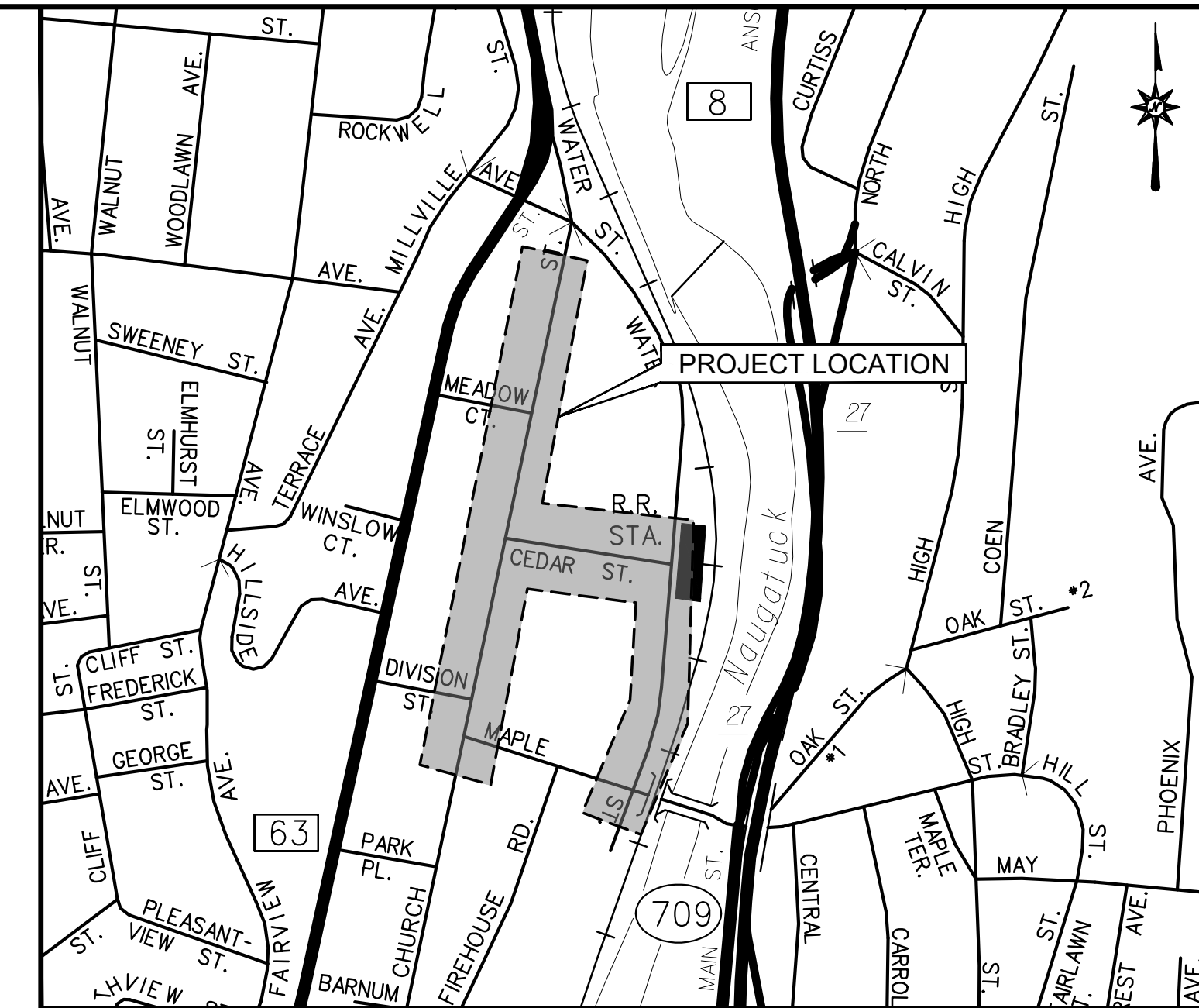


FINAL DESIGN SUBMISSION

DOWNTOWN COMMUNITY CONNECTIVITY BIKE AND PEDESTRIAN IMPROVEMENTS NAUGATUCK, CONNECTICUT



LOCATION MAP
N.T.S.



VICINITY MAP
SCALE: 1"=500'

PREPARED FOR:
BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CONNECTICUT 06770

BOROUGH ENGINEER: WAYNE ZIROLI, PE, LS

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

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

ALL ELEVATIONS ON THIS PROJECT BASED ON NAVD88.

DESIGN STANDARDS:

BOROUGH OF NAUGATUCK DESIGN STANDARDS.

CONNECTICUT DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL.

PUBLIC RIGHT-OF-WAY GUIDELINES.

AMERICANS WITH DISABILITIES ACT.

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PREPARED BY:



ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103
(860) 249-2200
(860) 249-2400 Fax

CONTENTS

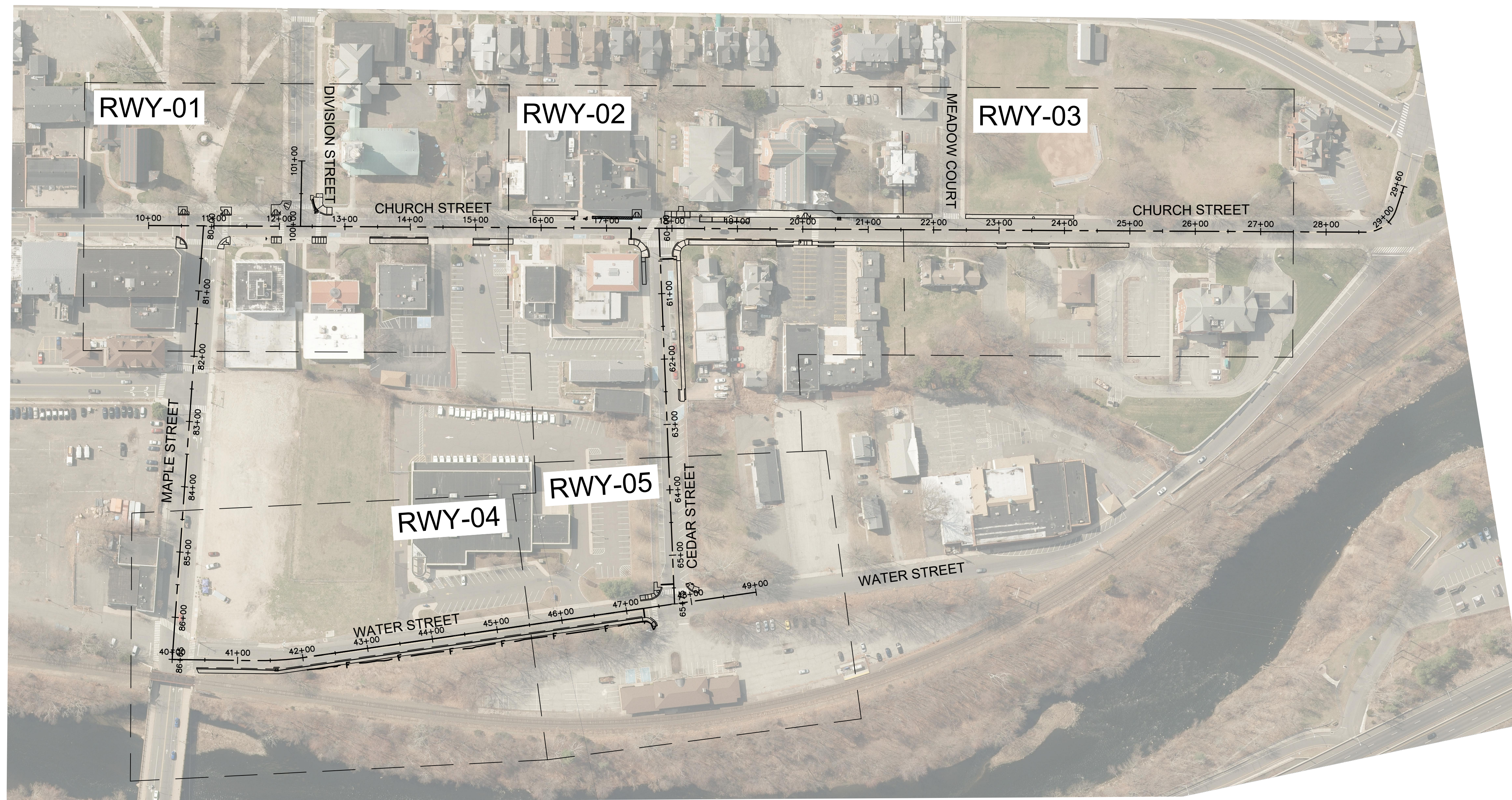
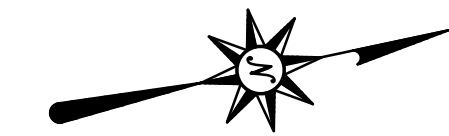
	TITLE SHEET
INX-1	INDEX SHEET
MDS-1-2	MISCELLANEOUS DETAILS
TYP-1-2	TYPICAL CROSS SECTIONS
RWY-1-5	ROADWAY PLANS

CTDOT GUIDE SHEETS

GS-1-11	CONCRETE SIDEWALK RAMP SHEETS
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DATES

ISSUE DATE: JUNE 18, 2021
REVISION:



**DOWNTOWN COMMUNITY CONNECTIVITY
BIKE AND PEDESTRIAN IMPROVEMENTS**
NAUGATUCK, CONNECTICUT

REVISIONS No.	Date	Desc.

Surveyed
 Drawn K.H.E.
 Reviewed K.P.R.
 Scale 1" = 100'
 Project No. 1901639
 Date 06/18/2021

CAD File: NX190163901

Title: **INDEX SHEET**

Sheet No.

INX-1

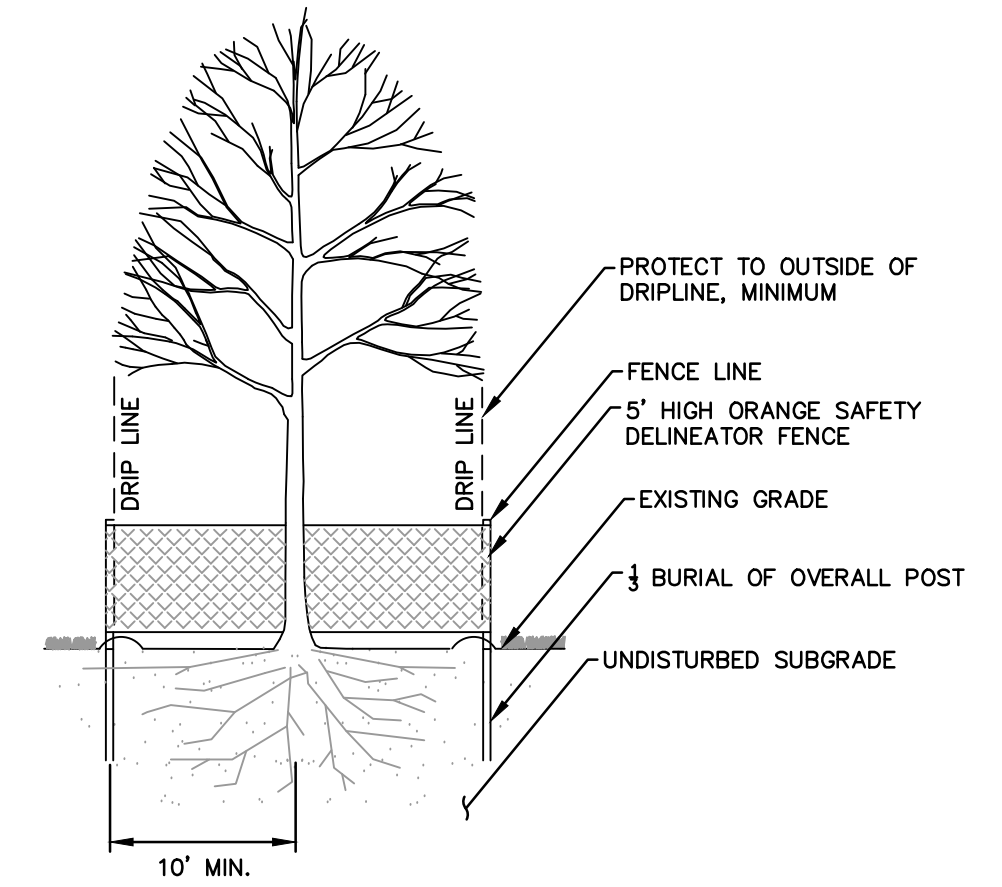
NOTES

STOP BARS AND YIELD LINES

- STOP BARS AND YIELD LINES SHALL BE WHITE.
- STOP BARS SHALL BE 12" MIN. UNLESS OTHERWISE NOTED ON PLANS.
- STOP BARS TO BE PLACED A MINIMUM OF 4' IN ADVANCE OF THE NEAREST EDGE OF CROSSWALK AND SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY.
- IN THE ABSENCE OF A MARKED CROSSWALK THE STOP BAR SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY, AT THE DESIRED STOPPING POINT AT LEAST 5' AND NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY.
- THE STOP SIGN SHOULD BE PLACED IN LINE WITH THE STOP BAR. HOWEVER, IF THE STOP SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO STOP, THE STOP BAR SHOULD BE PLACED AT THE STOPPING POINT.
- FOR STOP BARS AT RAMP SEE DETAILS "R", "S", "T", & "U" AND NOTES ON TRAFFIC STANDARD SHEET TR-1210_07 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS EXIT RAMP".
- FOR YIELD LINE INSTALLATIONS, ONLY FULL TRIANGLES ARE TO BE INSTALLED.
- MID-BLOCK CROSSWALKS ARE CROSSWALKS LOCATED MORE THAN 50 FEET FROM A SIGNALIZED OR UNSIGNALIZED INTERSECTION. YIELD LINES ASSOCIATED WITH MIDBLOCK CROSSWALKS SHALL BE INSTALLED AND SHOULD BE LOCATED 20 TO 50 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE OR AS DIRECTED BY THE ENGINEER. WHERE A YIELD LINE EXISTS ON AN APPROACH TO A CROSSWALK, THE APPROPRIATE "YIELD TO PEDESTRIANS" SIGN IS REQUIRED.
- FOR CROSSWALKS AT UNSIGNALIZED INTERSECTIONS WITH MINOR STREET STOP CONTROL, YIELD LINES SHALL BE INSTALLED ON MULTI-LANE APPROACHES, BUT NOT SINGLE LANE APPROACHES.
- THE YIELD SIGN SHOULD BE PLACED IN LINE WITH A YIELD LINE. HOWEVER, IF THE YIELD SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO YIELD, THE YIELD LINE SHOULD BE PLACED AT THE YIELDING POINT.

CROSSWALKS

- CROSSWALK MARKINGS SHALL BE WHITE.
- AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO \bar{C} AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.
- BARS SHOULD BE NO CLOSER THAN 1' FROM EDGE OF ROAD.
- ONLY FULL LENGTH BARS ARE TO BE INSTALLED.
- DECORATIVE CROSSWALKS SHALL BE BANDED FROM CURB TO CURB WITH A MINIMUM 12" WIDE WHITE TRANSVERSE LINE ALONG EACH EDGE.
- 24" WIDE SPACE TO BE CENTERED ON YELLOW CENTERLINE.

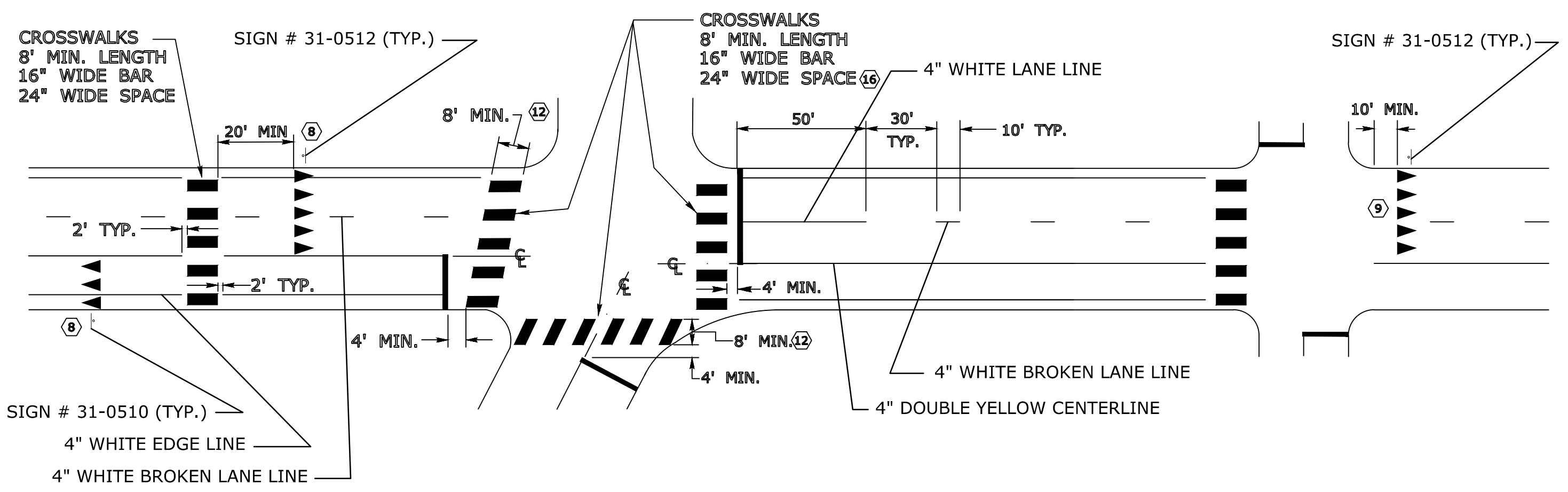


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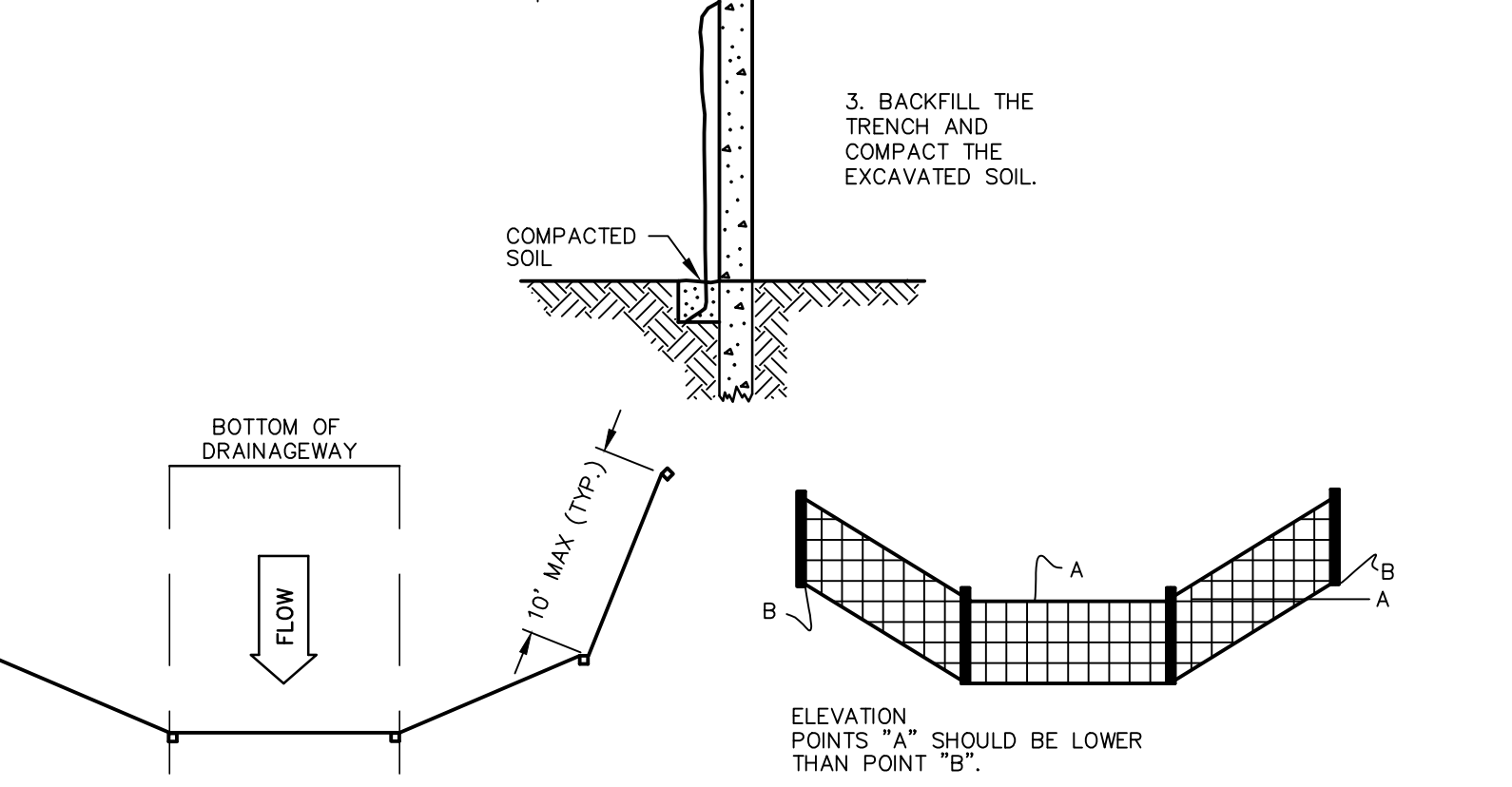
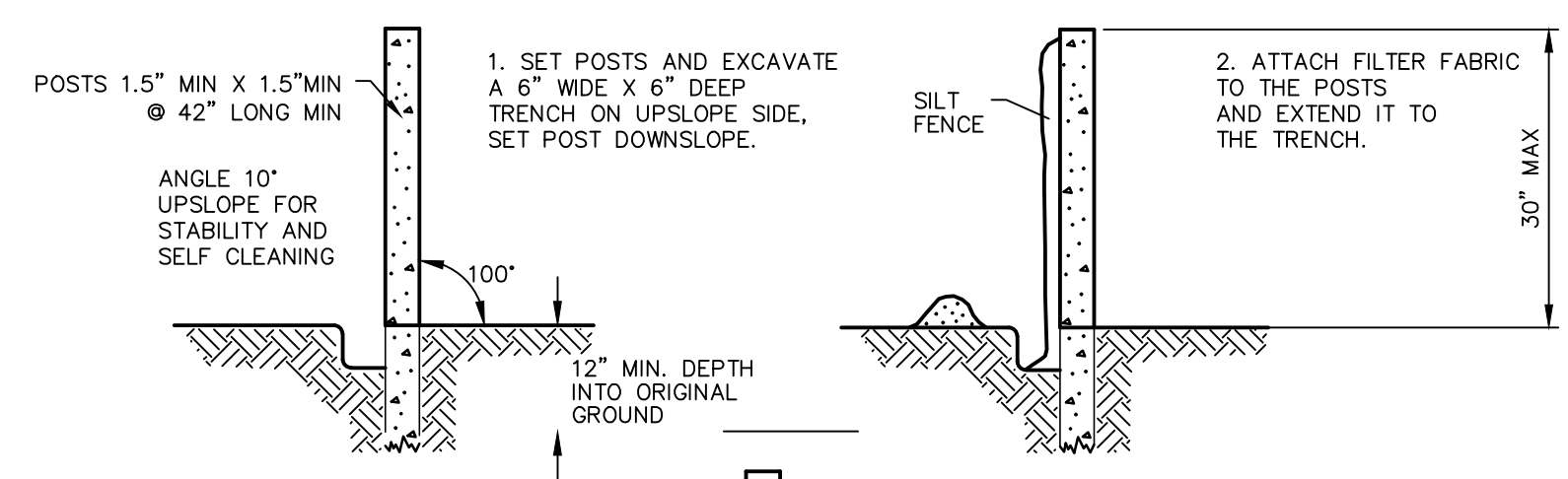
- COORDINATE LOCATION OF FENCE WITH PROJECT ENGINEER.
- IF EXCAVATION OCCURS WITHIN DRIPLINE, EXISTING ROOTS SHALL BE CLEANLY CUT PRIOR TO EXCAVATION BY A CERTIFIED ARBORIST AND TREES SHALL BE WATERED.

TREE PROTECTION FENCING

N.T.S.

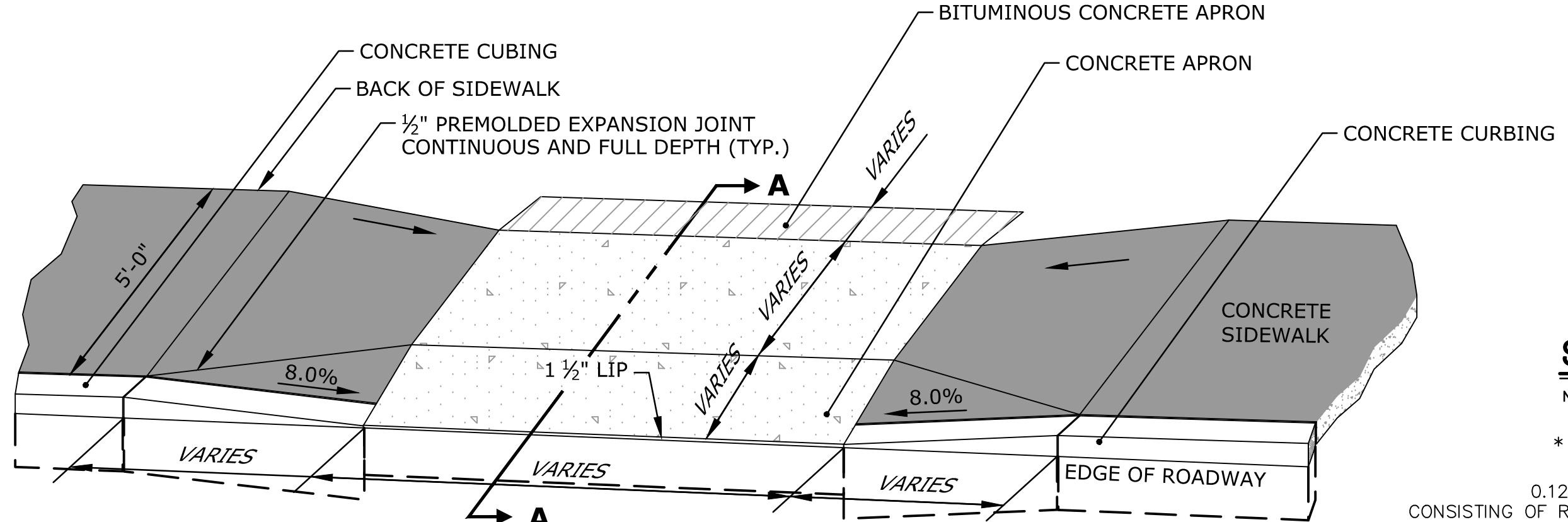


PAVEMENT MARKINGS FOR STOP BARS, YIELD LINES, AND CROSSWALKS

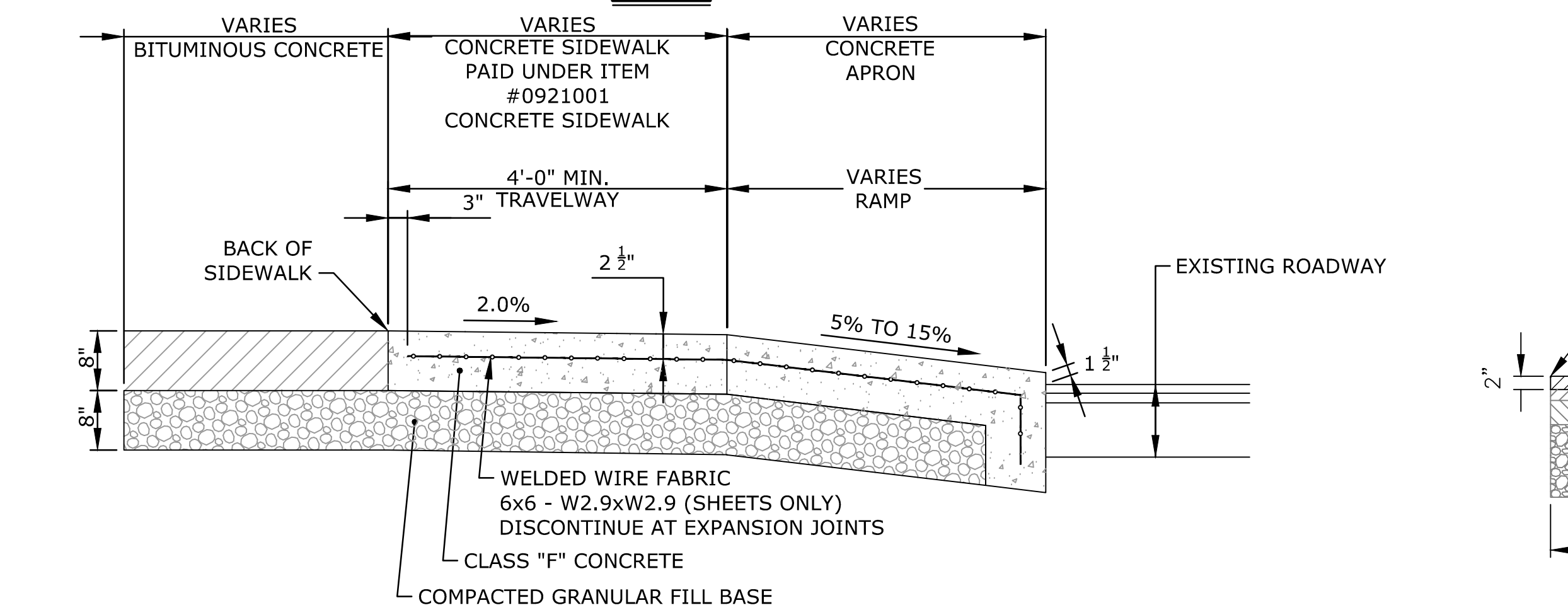


SEDIMENTATION CONTROL SYSTEM

N.T.S.



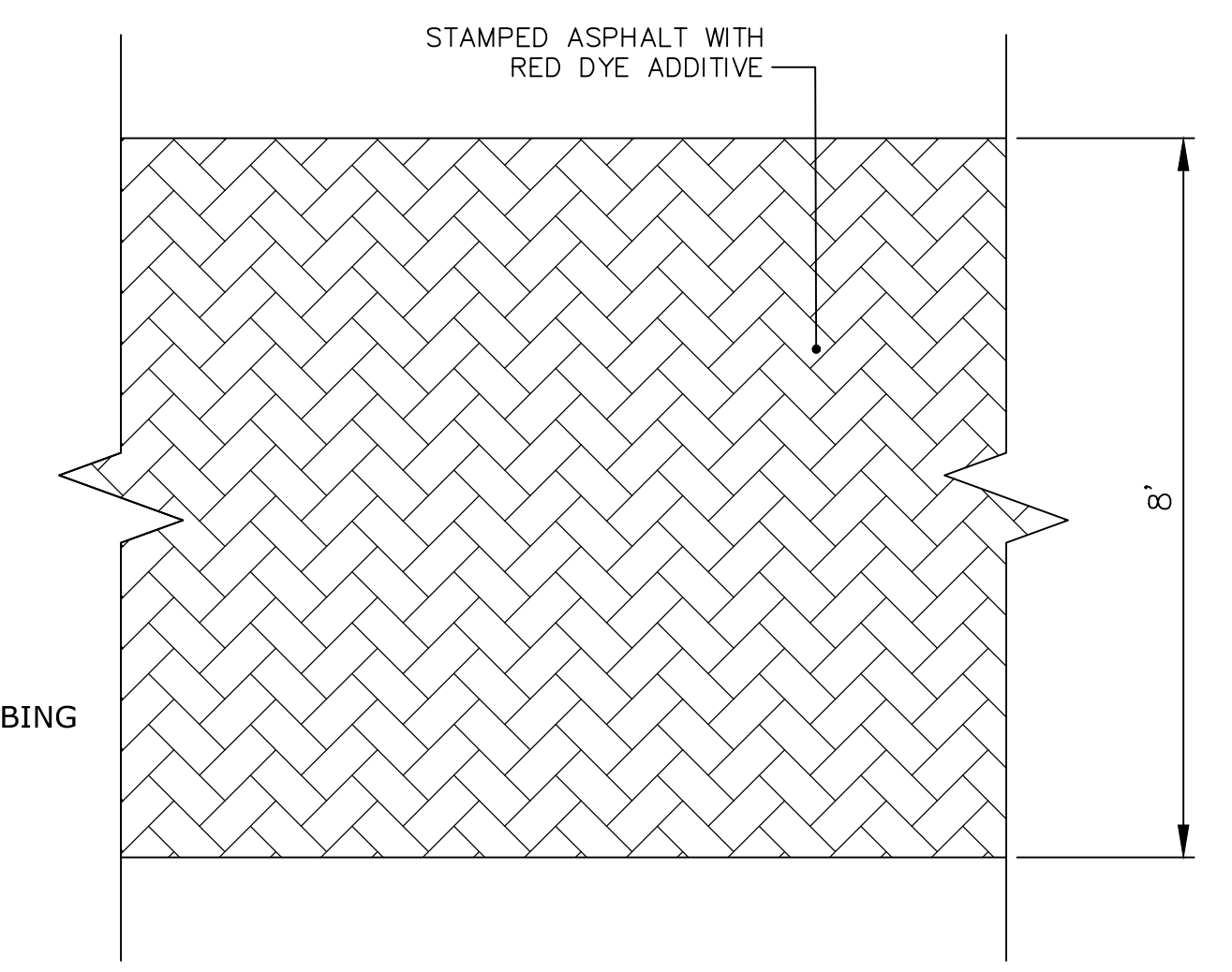
PLAN



SECTION A-A

DRIVEWAY APRON

N.T.S.

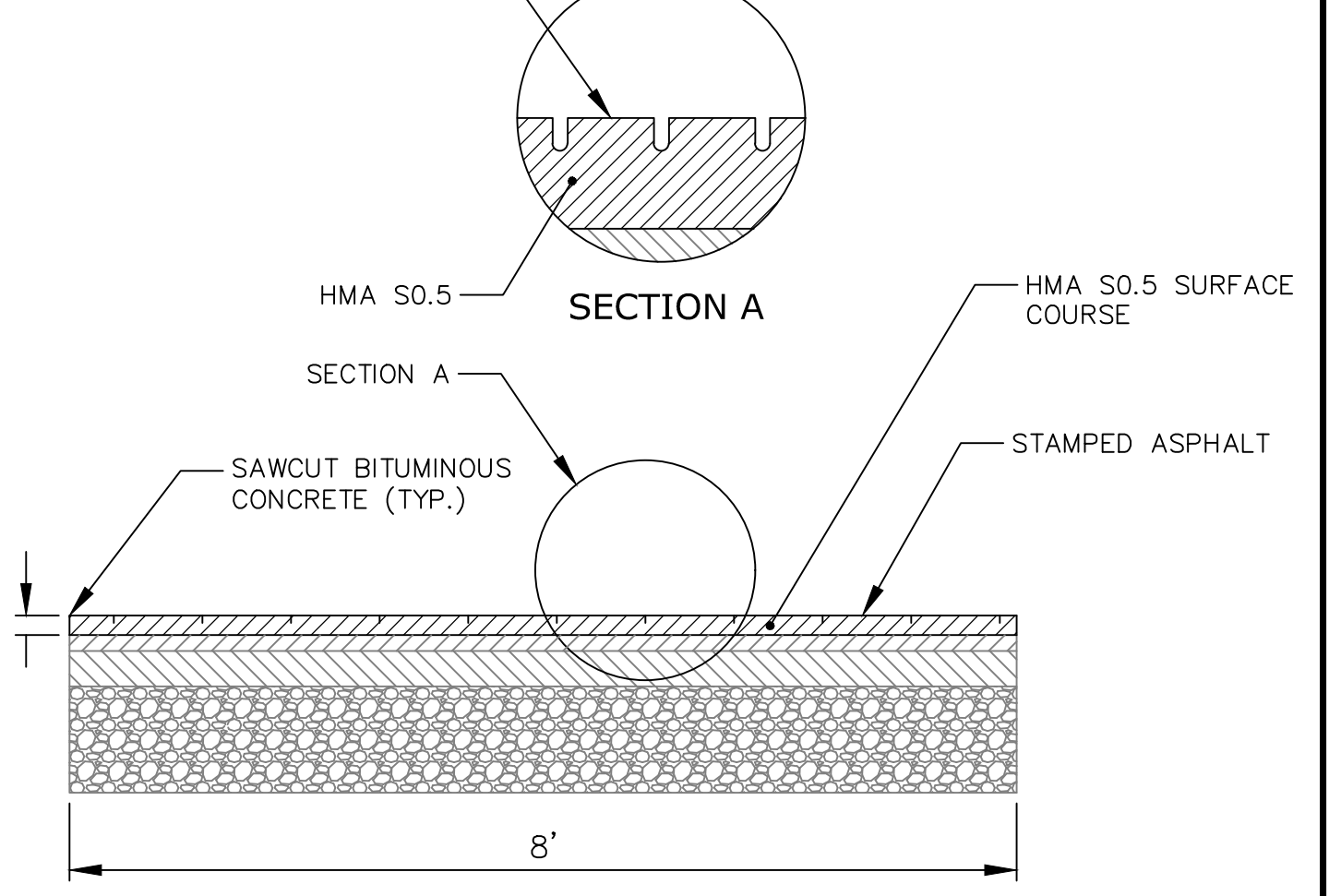


STAMPED ASPHALT CROSSWALK PLAN

N.T.S.

* REBAR NOT SHOWN IN PLAN VIEW FOR CLARITY.

0.125 MILS OF THERMOPLASTIC CONSISTING OF RED EARTH & WHITE TONES

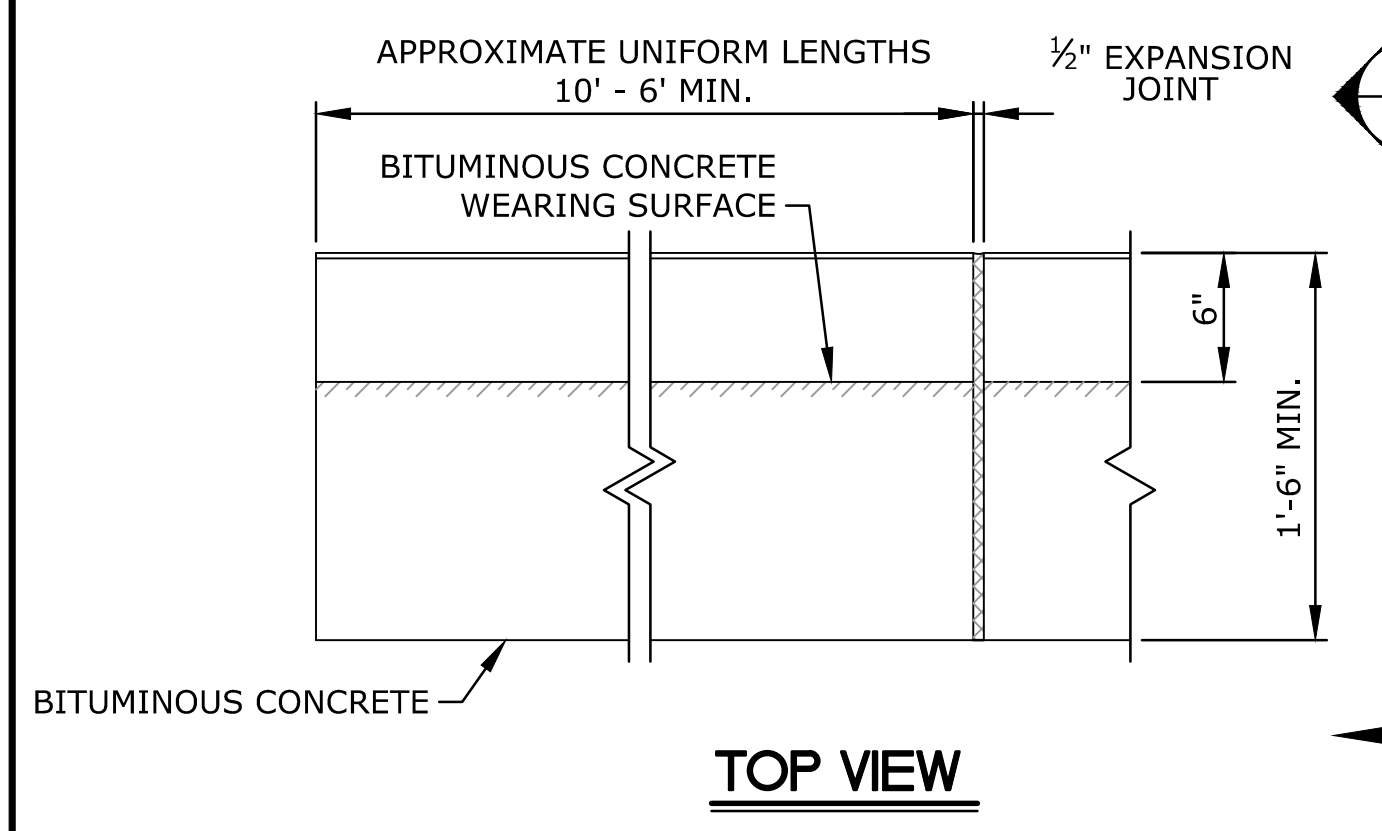
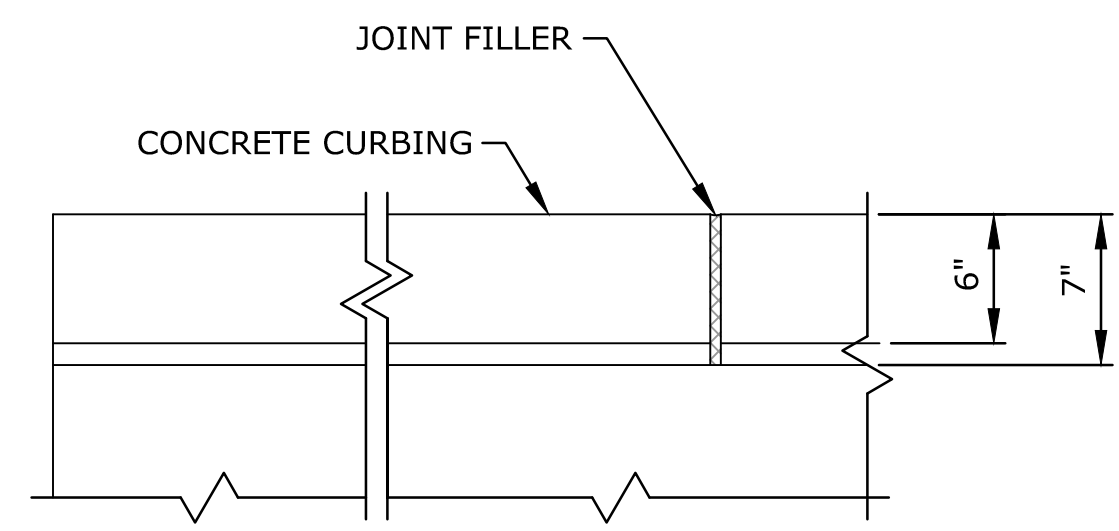


STAMPED ASPHALT CROSSWALK SECTION

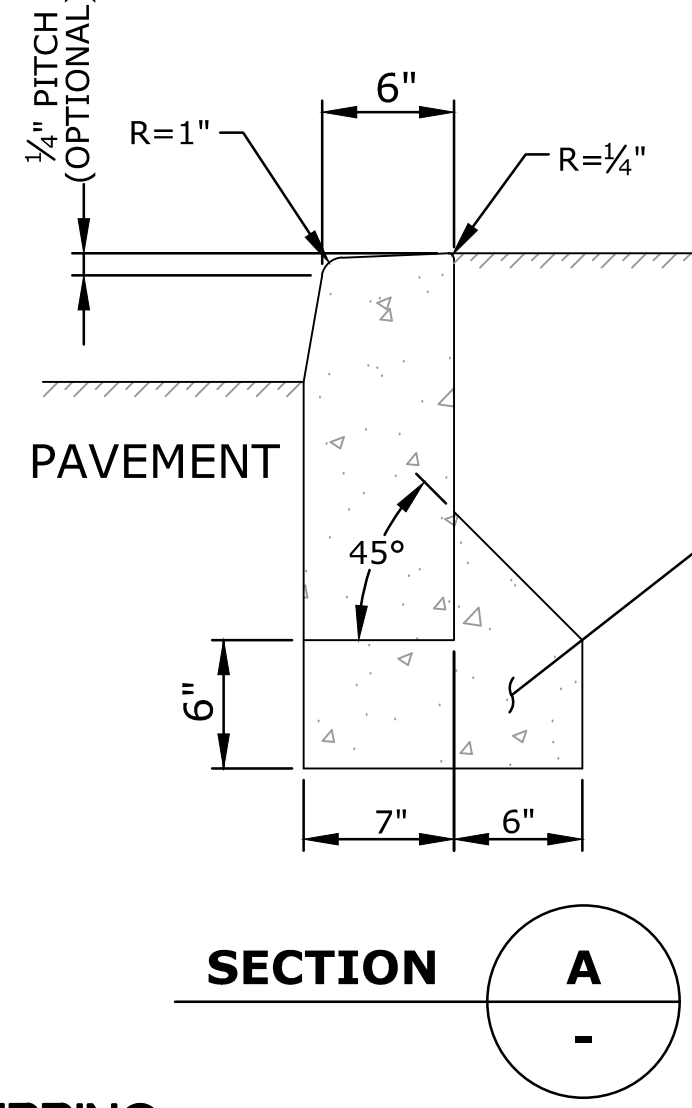
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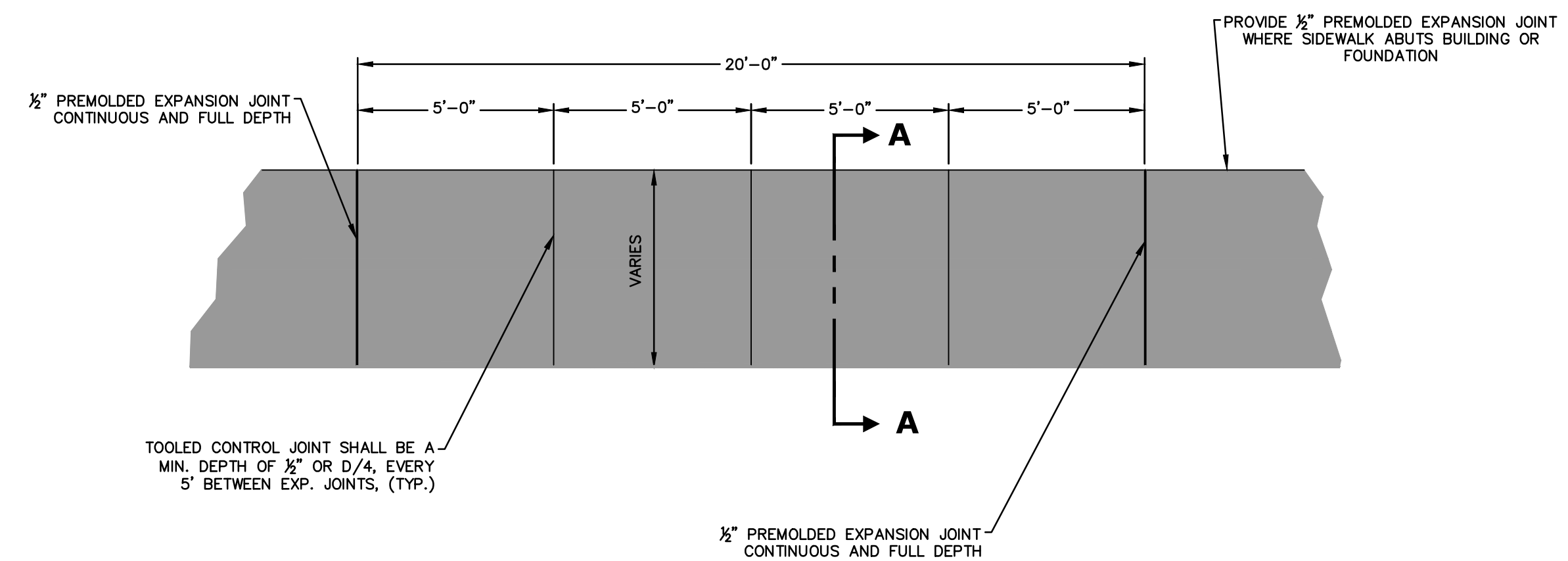
- BOROUGH SHALL SELECT PATTERN AND COLOR. CONTRACTOR TO PROVIDE 48" X 48" SAMPLE FOR ENGINEER AND OWNER APPROVAL.
- HMA S0.5 SURFACE COURSE SHALL BE INCLUDED IN ITEM NO. 0922005A - STAMPED ASPHALT CROSSWALK.



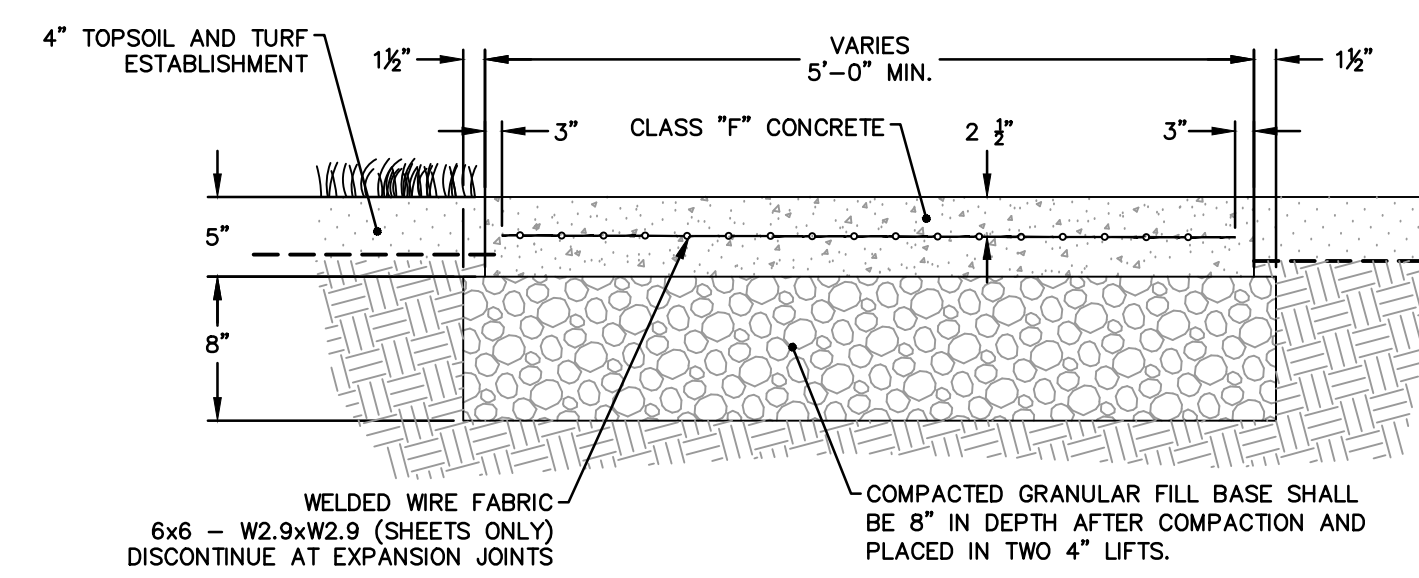
6" CONCRETE CURBING
N.T.S.



CLASS F CONCRETE CONTINUOUS UNDER CURB (TO BE INCLUDED AND PAID FOR UNDER ITEM "CONCRETE CURBING")

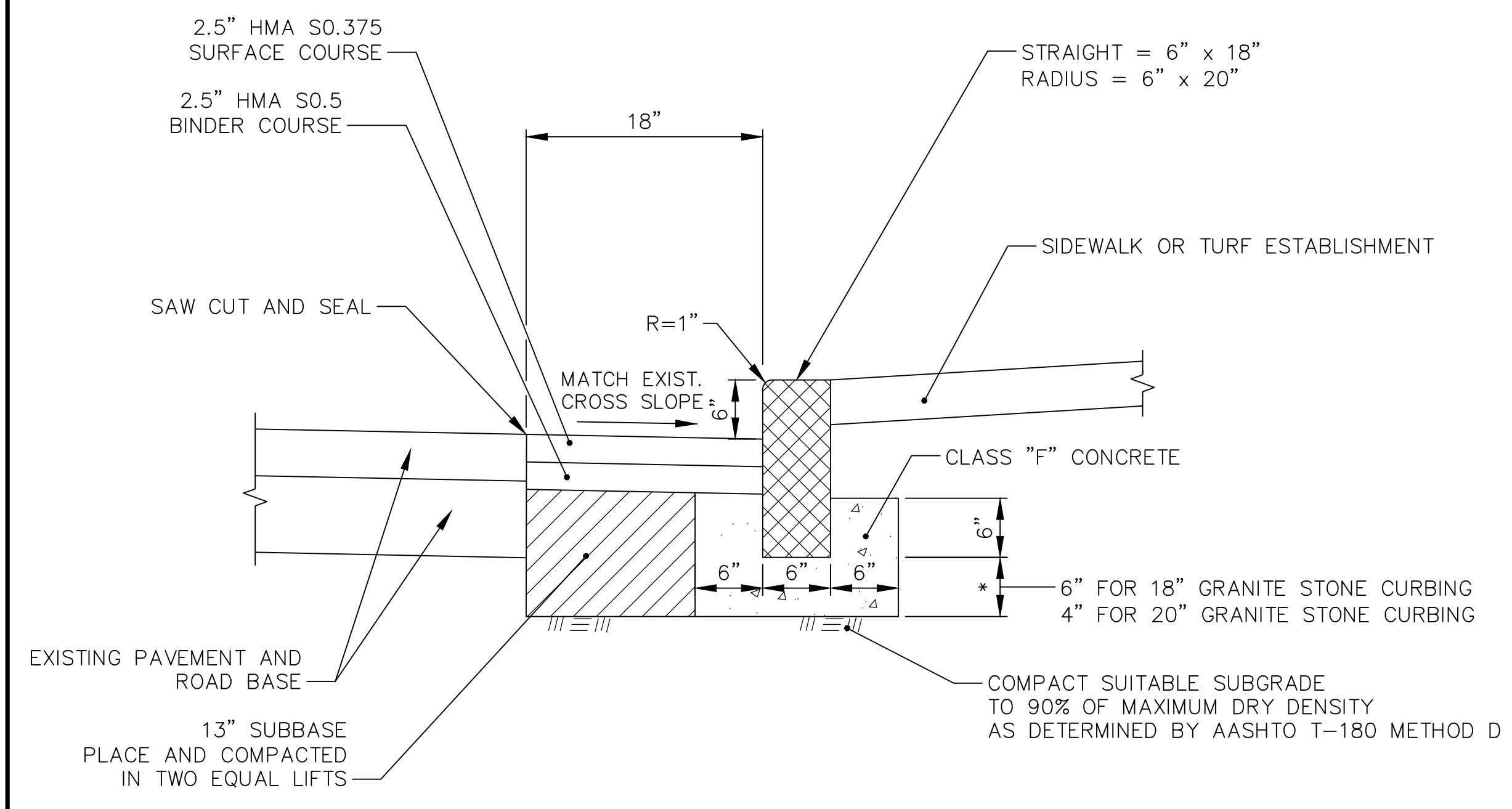


PLAN

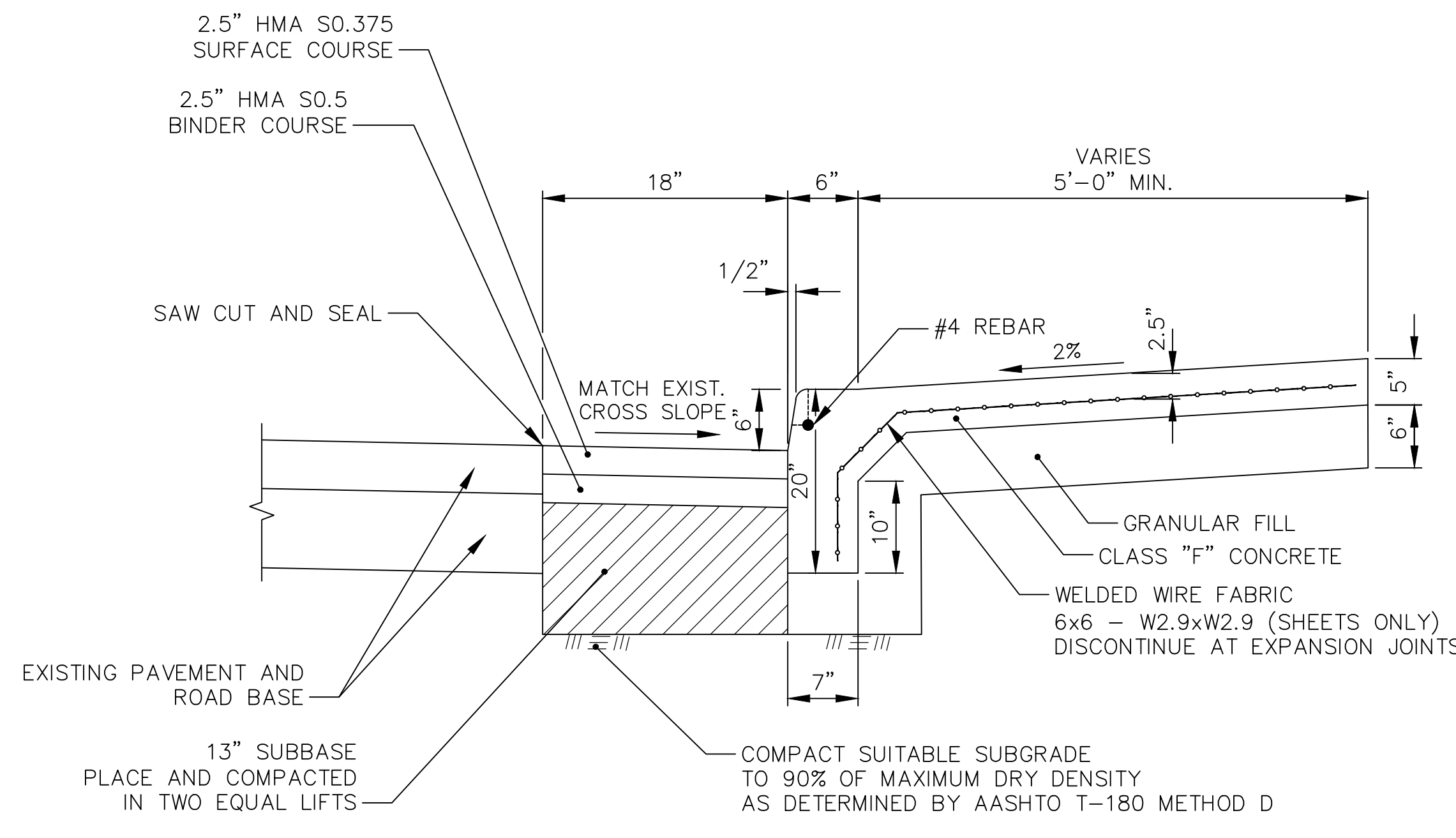


SECTION A-A

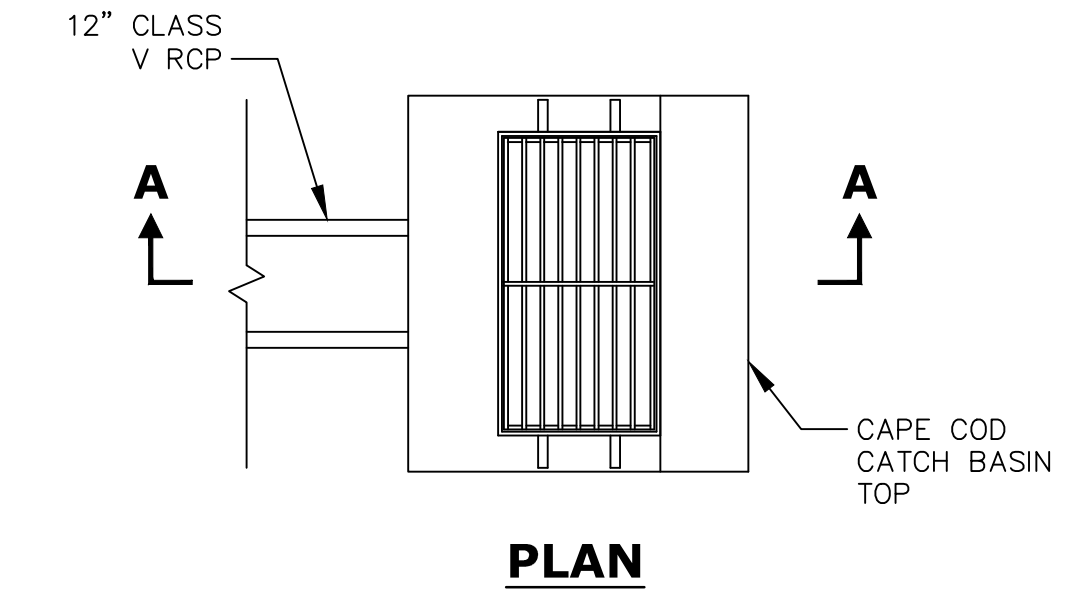
CONCRETE SIDEWALK
N.T.S.



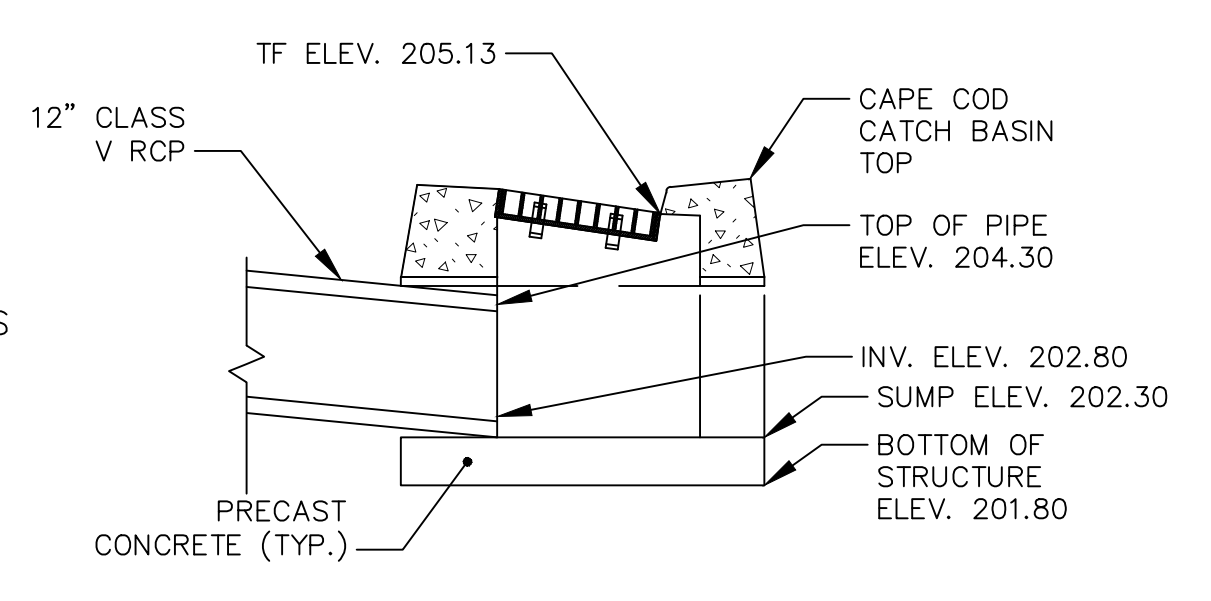
GRANITE STONE CURBING ON EXISTING ROAD WITH 6" REVEAL
N.T.S.



MONOLITHIC CONCRETE SIDEWALK AND CURB
N.T.S.



PLAN



SECTION A-A

SPECIAL CAPE COD CATCH BASIN
N.T.S.

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REVISIONS	No.	Date	Desc.

Surveyed	K.H.E.
Drawn	K.P.R.
Reviewed	N.T.S.
Scale	N.T.S.
Project No.	1901639
Date	06/18/2021

CAD File: MDS190163901
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Sheet No.

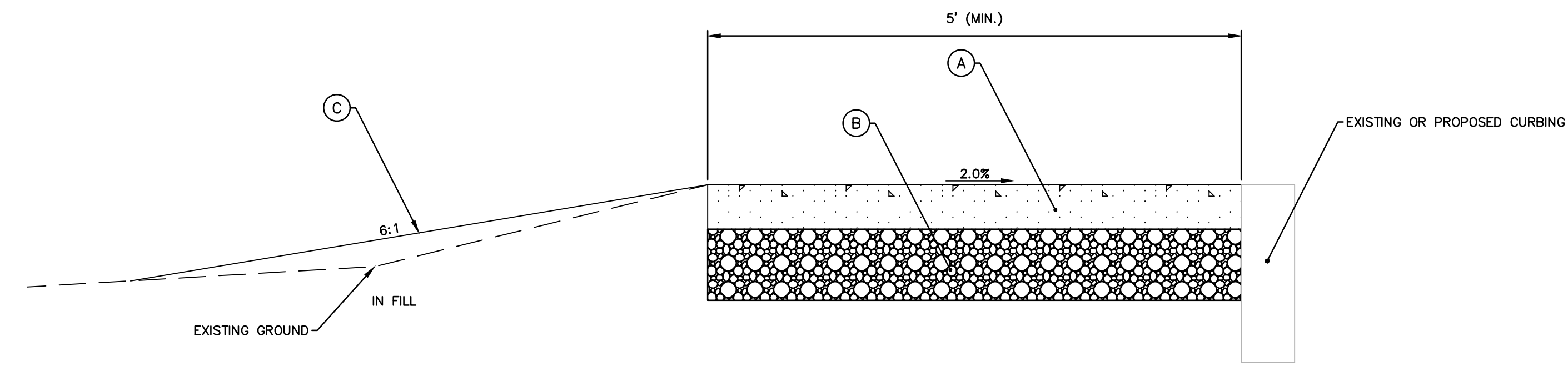
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LEGEND FOR TYPICAL SECTIONS

- Ⓐ 5" CLASS "F" CONCRETE
- Ⓑ 8" GRANULAR FILL
- Ⓒ 4" TOPSOIL AND TURF ESTABLISHMENT

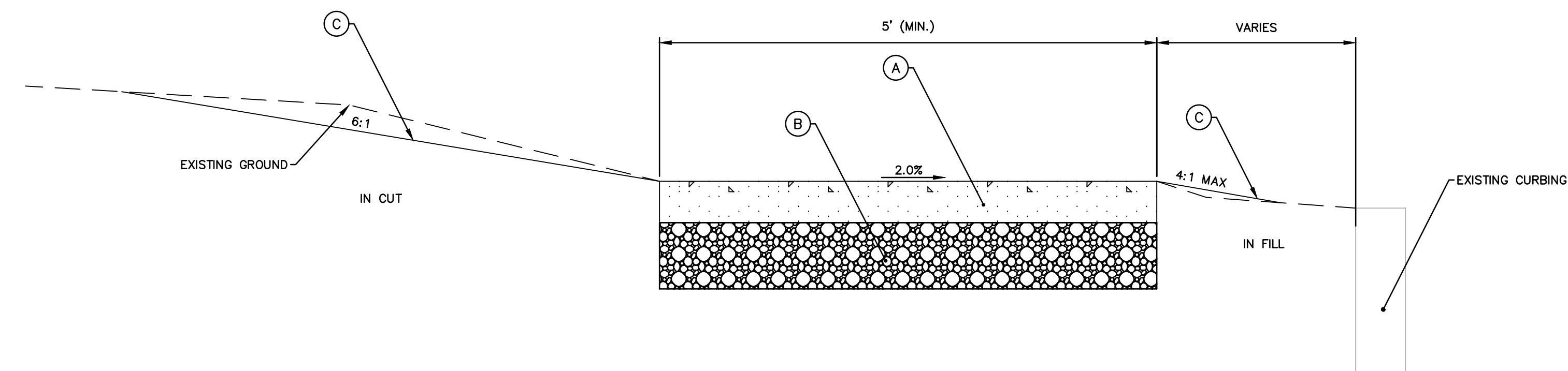
NOTES

1. VARIATIONS TO TYPICAL SECTIONS SHOWN ON THIS SHEET EXIST IN SOME AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ANY WORK ITEMS THAT VARY FROM THE TYPICAL SECTION AND CONSTRUCT THEM ACCORDINGLY.



TYPICAL SIDEWALK

N.T.S.
STA. 13+39 TO STA. 25+00 (CHURCH STREET)



TYPICAL SIDEWALK NEAR CURBING

N.T.S.
STA. 60+00 RT TO STA. 60+85 RT (CEDAR STREET)
STA. 60+00 LT TO STA. 62+75 LT (CEDAR STREET)

Jun 18, 2021 5:24pm spe@bbl.com \\06B19\16\1901639\DWG\TYP190163901.dwg

REVISIONS	Desc.
No.	Date

Surveyed
Drawn K.H.E.
Reviewed K.P.R.
Scale N.T.S.
Project No. 1901639
Date 06/18/2021

CAD File:
TYP190163901

Title
TYPICAL SECTIONS

Sheet No.

TYP-1

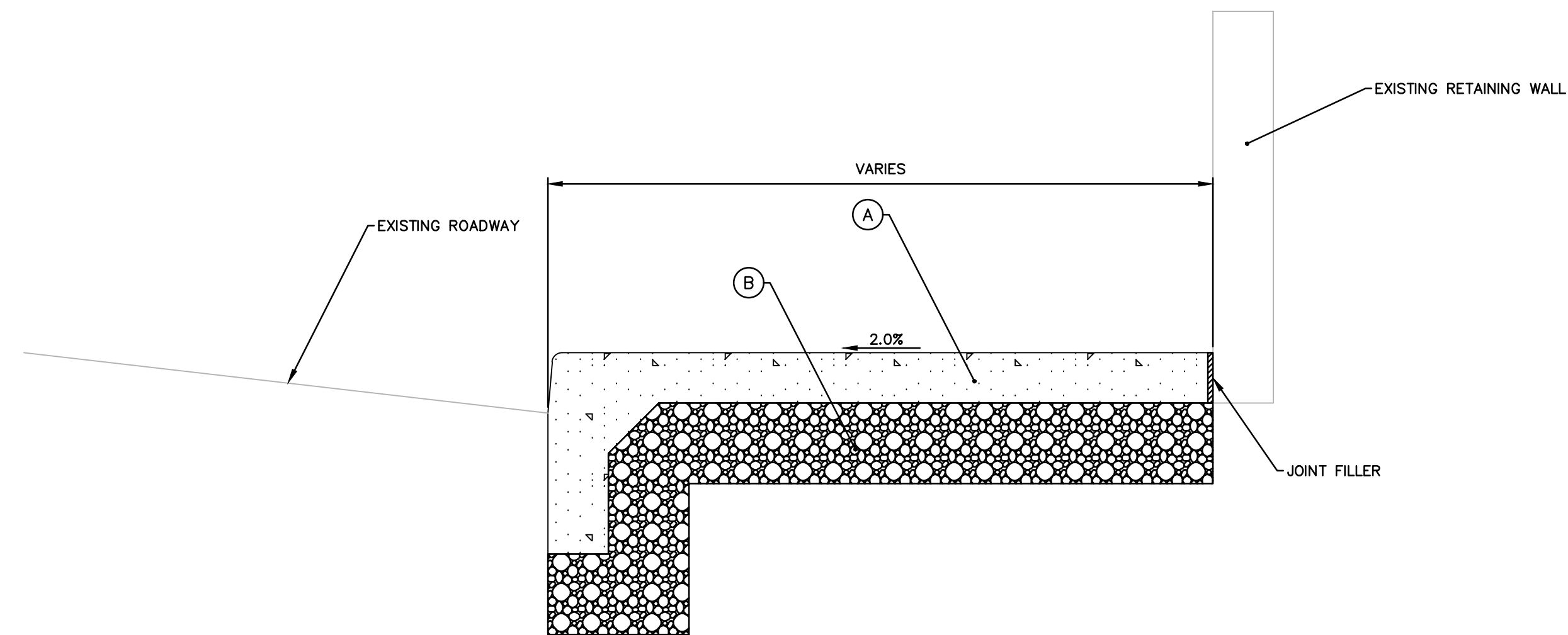
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LEGEND FOR TYPICAL SECTIONS

- Ⓐ 5" CLASS "F" CONCRETE
- Ⓑ 8" GRANULAR FILL
- Ⓒ 4" TOPSOIL AND TURF ESTABLISHMENT

NOTES

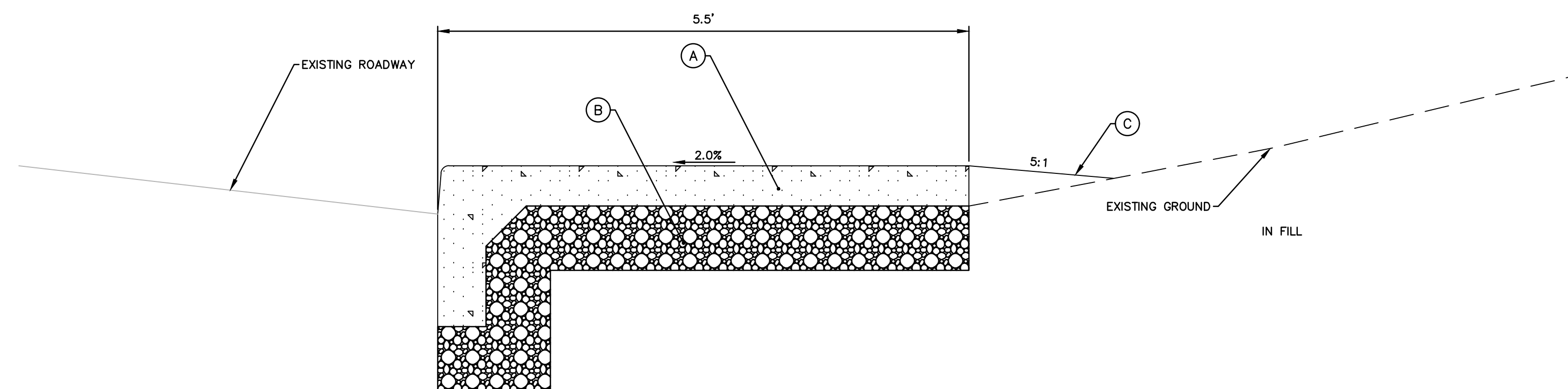
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TYPICAL MONOLITHIC CONCRETE SIDEWALK AND CURB

N.T.S.

STA. 40+40 RT TO STA. 42+00 RT (WATER STREET)



TYPICAL MONOLITHIC CONCRETE SIDEWALK AND CURB

N.T.S.

STA. 42+00 RT TO STA. 47+25 RT (WATER STREET)
STA. 18+25 TO 19+60 RT (CHURCH STREET)

REVISIONS	Desc.
No.	Date

Surveyed	
Drawn	K.H.E.
Reviewed	K.P.R.
Scale	N.T.S.
Project No.	1901639
Date	06/18/2021

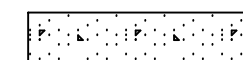
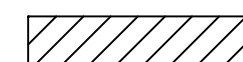
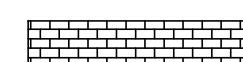






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Title
**TYPICAL
SECTIONS**

Sheet No.

TYP-2

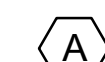
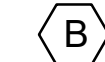
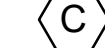
LEGEND

-  CONCRETE SIDEWALK
-  DRIVEWAY APRON
-  STAMPED ASPHALT CROSSWALK
-  FULL DEPTH RECONSTRUCTION
-  SEDIMENTATION CONTROL SYSTEM
-  EXISTING RIGHT-OF-WAY LINE
-  CUT BITUMINOUS CONCRETE PAVEMENT
-  APPROXIMATE SLOPE LIMITS
-  2" PVC CONDUIT SCHEDULE 80

NOTES

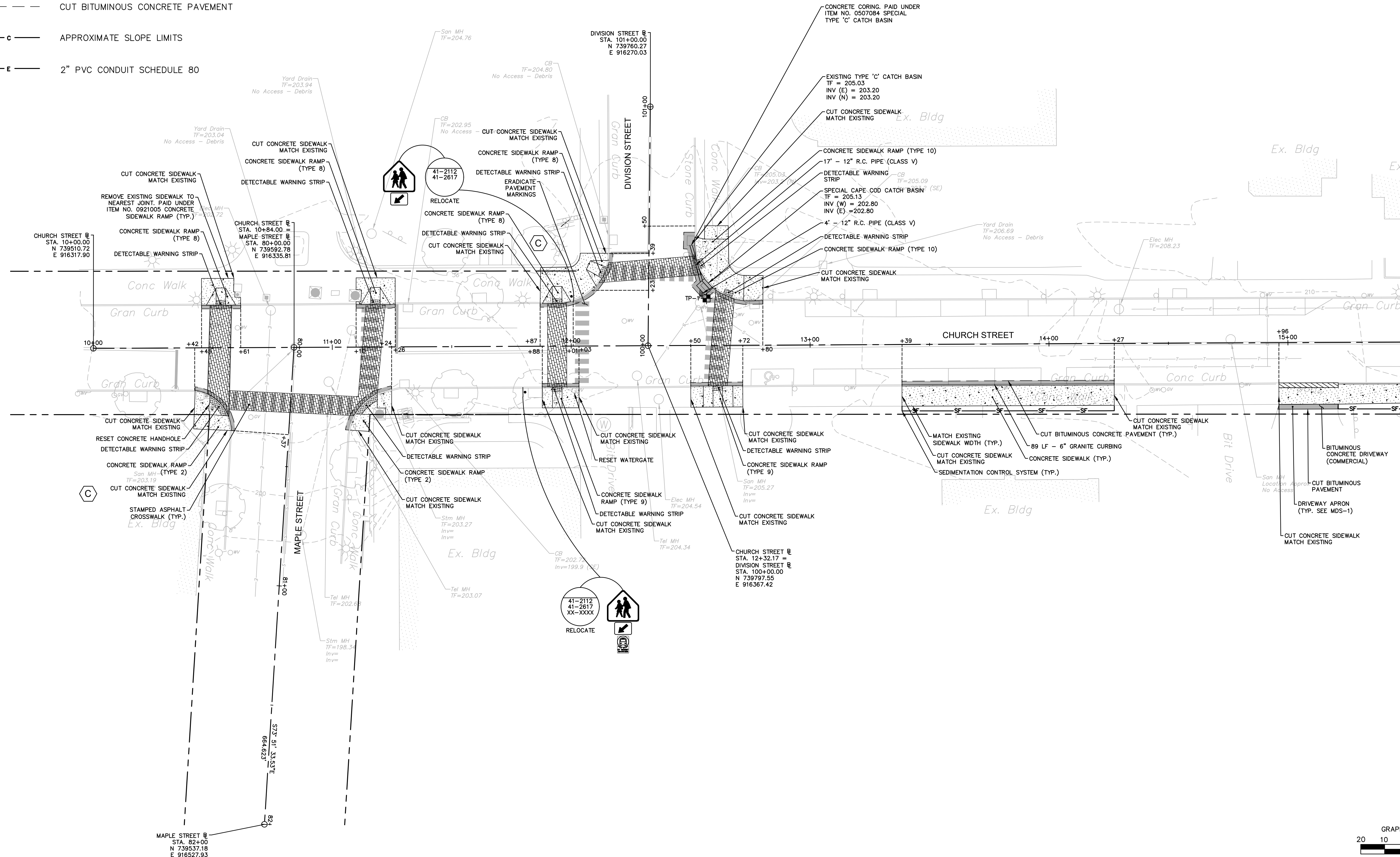
1. EXISTING CONCRETE SIDEWALK THAT HAS MORE THAN A 1/4" "TRIPPING HAZARD" SHALL BE REMOVED AND REPLACED THROUGHOUT THE PROJECT LIMITS PER THE DIRECTION OF THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM NO. 0921001A - CONCRETE SIDEWALK.
2. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
3. ALL EXISTING CONCRETE SIDEWALK BEING REMOVED FOR INSTALLATION OF CONCRETE SIDEWALK RAMPS SHALL BE CUT AT THE NEAREST JOINTS.
4. ALL CROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN UNLESS OTHERWISE NOTED.
5. EXISTING SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT.
6. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM NO. 0201001 "CLEARING AND GRUBBING".
7. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
8. ALL INVERT ELEVATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
9. EXACT SIGN LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
10. INSTALL ALL PAVEMENT MARKINGS WITHIN THE LIMITS OF CONSTRUCTION UNLESS OTHERWISE SHOWN OR AS DIRECTED BY THE ENGINEER. MATCH TO EXISTING PAVEMENT MARKINGS AT THE LIMIT OF CONSTRUCTION.
11. EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE BOROUGH. GRINDING IS NOT ALLOWED.
12. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGH THE SITE DURING CONSTRUCTION.
13. EXISTING CURBING TO BE REMOVED AT PROPOSED CONCRETE SIDEWALK RAMP LOCATIONS SHALL BE PAID FOR UNDER ITEM NO. 0921005 - CONCRETE SIDEWALK RAMP.
14. TEST PIT NO. 1 IS REQUIRED FOR THE PROPOSED CATCH BASIN LOCATED WITHIN THE VICINITY OF THE EXISTING ELECTRICAL FACILITY.
15. DECORATIVE LIGHT POLE FOUNDATION SHALL BE DESIGNED BY THE CONTRACTOR PER THE SPECIAL PROVISION.

SCHEDULE OF RIGHTS AND EASEMENTS

-  A RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
-  B RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
-  C RIGHT TO CONSTRUCT SIDEWALK REQUIRED

STRIPING LEGEND

- SDYL 4" SOLID DOUBLE YELLOW LINE
- SWSB 12" SOLID WHITE STOP BAR



355 Research Parkway
Middletown, CT 06450
(203) 630-1406
(203) 630-2615 Fax

**DOWNTOWN COMMUNITY CONNECTIVITY
BIKE AND PEDESTRIAN IMPROVEMENTS**
NAUGATUCK, CONNECTICUT

REVISIONS	
No.	Date

Surveyed
Drawn K.H.E.
Reviewed K.P.R.
Scale 1" = 20'
Project No. 19016390
Date 06/18/2021

CAD File: TRW190163901
Title: **ROADWAY PLAN**
Sheet No.

RWY-1

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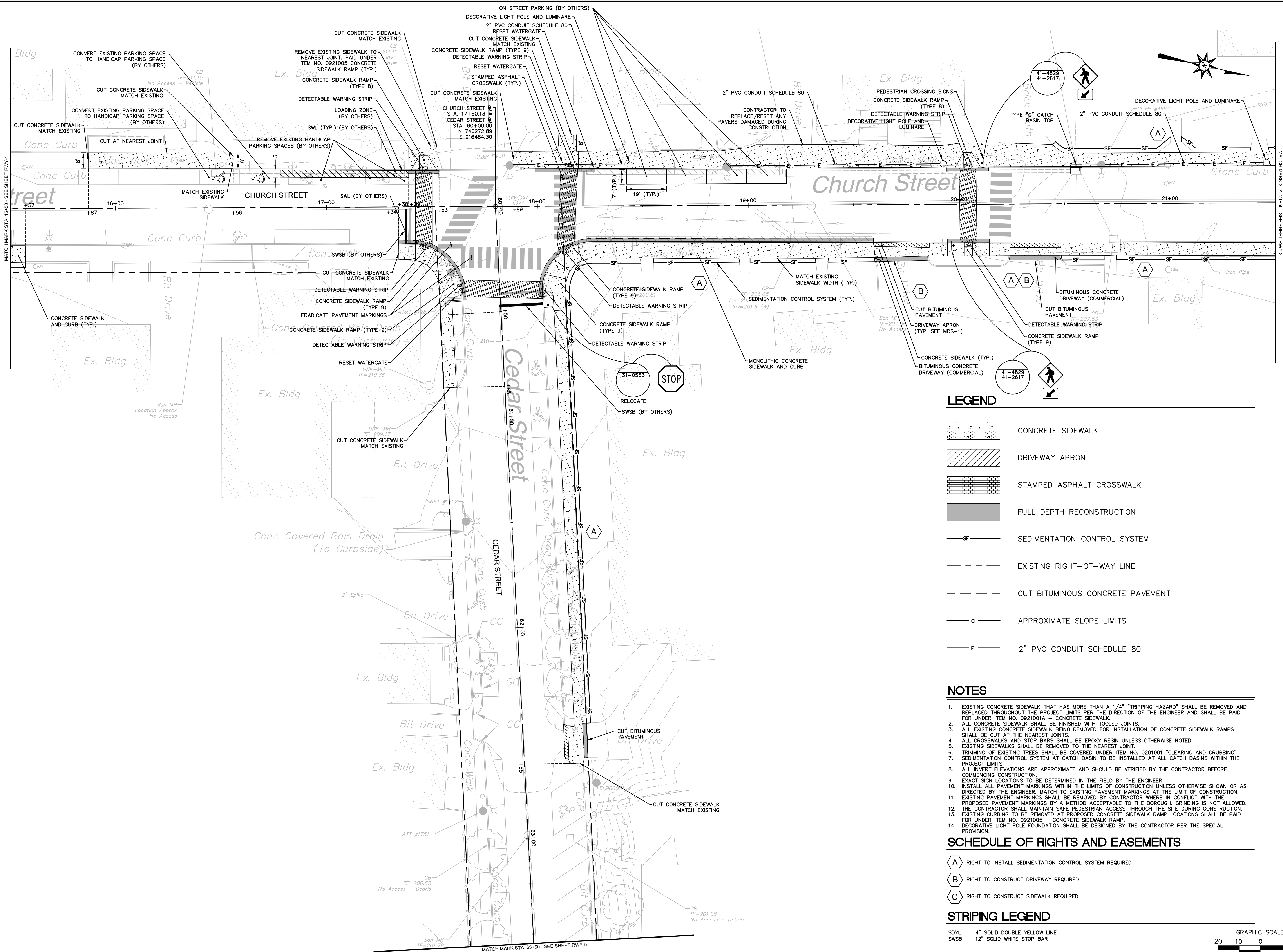
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Surveyed			K.H.E.
Drawn			K.P.R.
Reviewed			1" = 20'
Scale			Project No. 1901639
Date		06/18/2021	

CAD File: TRW190163901

**ROADWAY
PLAN**

Sheet No.

RWY-2



LEGEND

- CONCRETE SIDEWALK
- DRIVEWAY APRON
- STAMPED ASPHALT CROSSWALK
- FULL DEPTH RECONSTRUCTION
- SEDIMENTATION CONTROL SYSTEM
- EXISTING RIGHT-OF-WAY LINE
- CUT BITUMINOUS CONCRETE PAVEMENT
- APPROXIMATE SLOPE LIMITS
- 2" PVC CONDUIT SCHEDULE 80

NOTES

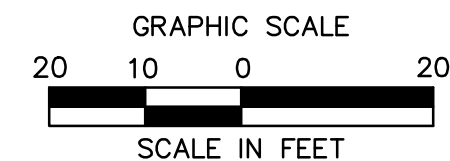
1. EXISTING CONCRETE SIDEWALK THAT HAS MORE THAN A 1/4" "TRIPPING HAZARD" SHALL BE REMOVED AND REPLACED THROUGHOUT THE PROJECT LIMITS PER THE DIRECTION OF THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM NO. 0921001A - CONCRETE SIDEWALK.
2. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
3. ALL EXISTING CONCRETE SIDEWALK BEING REMOVED FOR INSTALLATION OF CONCRETE SIDEWALK RAMPS SHALL BE CUT AT THE NEAREST JOINTS.
4. ALL CROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN UNLESS OTHERWISE NOTED.
5. EXISTING SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT.
6. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM NO. 0201001 "CLEARING AND GRUBBING".
7. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
8. ALL INVERT ELEVATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
9. EXACT SIGN LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
10. INSTALL ALL PAVEMENT MARKINGS WITHIN THE LIMITS OF CONSTRUCTION UNLESS OTHERWISE SHOWN OR AS DIRECTED BY THE ENGINEER. MATCH TO EXISTING PAVEMENT MARKINGS AT THE LIMIT OF CONSTRUCTION.
11. EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE BOROUGH. GRINDING IS NOT ALLOWED. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGH THE SITE DURING CONSTRUCTION.
12. EXISTING CURBING TO BE REMOVED AT PROPOSED CONCRETE SIDEWALK RAMP LOCATIONS SHALL BE PAID FOR UNDER ITEM NO. 0921005 - CONCRETE SIDEWALK RAMP.
13. DECORATIVE LIGHT POLE FOUNDATION SHALL BE DESIGNED BY THE CONTRACTOR PER THE SPECIAL PROVISION.

SCHEDULE OF RIGHTS AND EASEMENTS



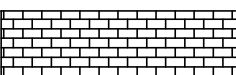

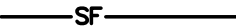




- (A) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
- (B) RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
- (C) RIGHT TO CONSTRUCT SIDEWALK REQUIRED

STRIPING LEGEND

- SDYL 4" SOLID DOUBLE YELLOW LINE
- SWSB 12" SOLID WHITE STOP BAR






LEGEND

-  CONCRETE SIDEWALK
-  DRIVEWAY APRON
-  STAMPED ASPHALT CROSSWALK
-  FULL DEPTH RECONSTRUCTION
-  SEDIMENTATION CONTROL SYSTEM
-  EXISTING RIGHT-OF-WAY LINE
-  CUT BITUMINOUS CONCRETE PAVEMENT
-  APPROXIMATE SLOPE LIMITS
-  2" PVC CONDUIT SCHEDULE 80

NOTES

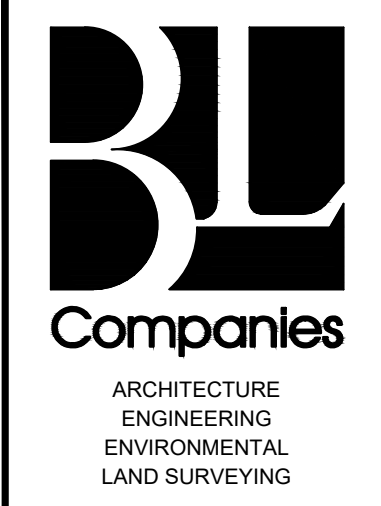
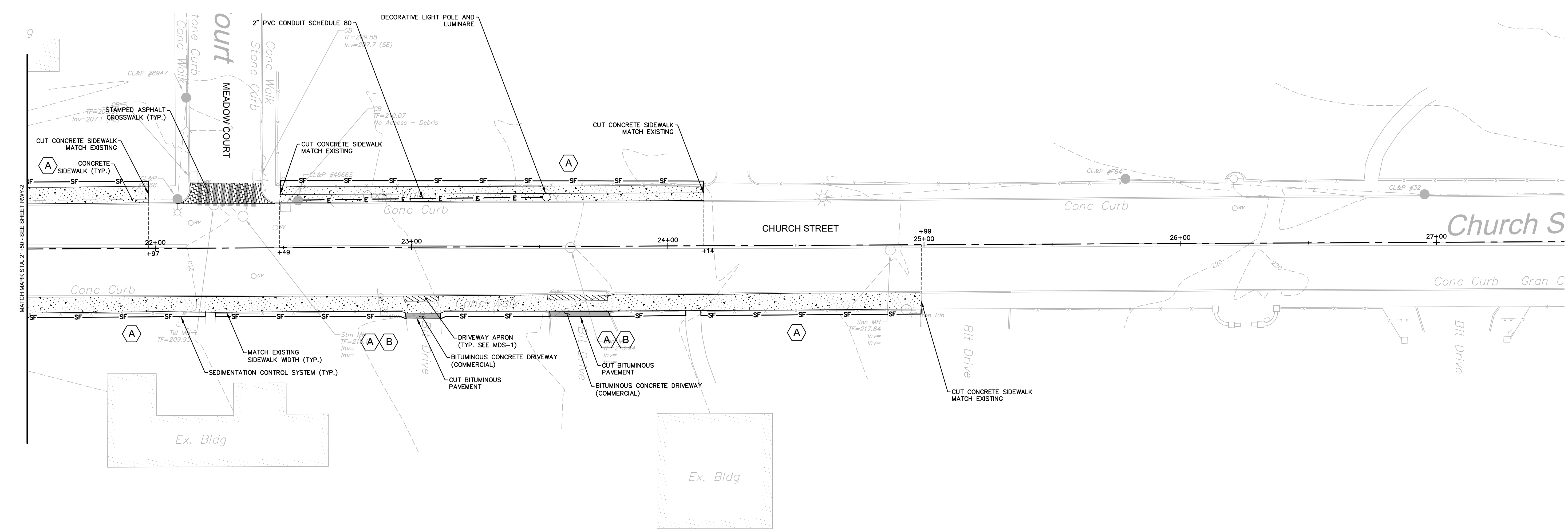
1. EXISTING CONCRETE SIDEWALK THAT HAS MORE THAN A 1/4" "TRIPPING HAZARD" SHALL BE REMOVED AND REPLACED THROUGHOUT THE PROJECT LIMITS PER THE DIRECTION OF THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM NO. 0921001A - CONCRETE SIDEWALK.
2. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
3. ALL EXISTING CONCRETE SIDEWALK BEING REMOVED FOR INSTALLATION OF CONCRETE SIDEWALK RAMP SHALL BE CUT AT THE NEAREST JOINTS.
4. ALL CROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN UNLESS OTHERWISE NOTED.
5. EXISTING SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT.
6. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM NO. 0201001 "CLEARING AND GRUBBING".
7. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
8. ALL INVERT ELEVATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
9. EXACT SIGN LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
10. INSTALL ALL PAVEMENT MARKINGS WITHIN THE LIMITS OF CONSTRUCTION UNLESS OTHERWISE SHOWN OR AS DIRECTED BY THE ENGINEER. MATCH TO EXISTING PAVEMENT MARKINGS AT THE LIMIT OF CONSTRUCTION.
11. EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE BOROUGH. GRINDING IS NOT ALLOWED.
12. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGHOUT THE SITE DURING CONSTRUCTION.
13. EXISTING CURBING TO BE REMOVED AT PROPOSED CONCRETE SIDEWALK RAMP LOCATIONS SHALL BE PAID FOR UNDER ITEM NO. 0921005 - CONCRETE SIDEWALK RAMP.
14. DECORATIVE LIGHT POLE FOUNDATION SHALL BE DESIGNED BY THE CONTRACTOR PER THE SPECIAL PROVISION.

SCHEDULE OF RIGHTS AND EASEMENTS

-  RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
-  RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
-  RIGHT TO CONSTRUCT SIDEWALK REQUIRED

STRIPING LEGEND

- SDYL 4" SOLID DOUBLE YELLOW LINE
- WSWB 12" SOLID WHITE STOP BAR



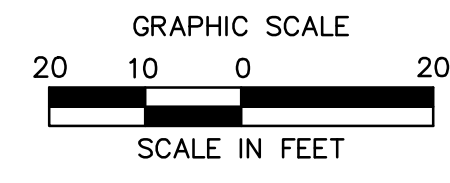
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

**DOWNTOWN COMMUNITY CONNECTIVITY
BIKE AND PEDESTRIAN IMPROVEMENTS**
 NAUGATUCK, CONNECTICUT

REVISIONS	Desc.
No.	Date

Surveyed
 Drawn K.H.E.
 Reviewed K.P.R.
 Scale 1" = 20'
 Project No. 1901639
 Date 06/18/2021

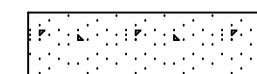

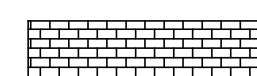

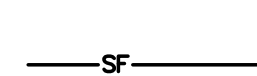




CAD File: TRW190163901
 Title: **ROADWAY PLAN**
 Sheet No.



RWY-3

Jun 16, 2021 5:29pm sp19163901.dwg
 User: TRW-3 2/16/21



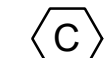
LEGEND

-  CONCRETE SIDEWALK
-  DRIVEWAY APRON
-  STAMPED ASPHALT CROSSWALK
-  FULL DEPTH RECONSTRUCTION
-  SF SEDIMENTATION CONTROL SYSTEM
-  --- EXISTING RIGHT-OF-WAY LINE
-  --- CUT BITUMINOUS CONCRETE PAVEMENT
-  --- c APPROXIMATE SLOPE LIMITS
-  --- E 2" PVC CONDUIT SCHEDULE 80

NOTES

1. EXISTING CONCRETE SIDEWALK THAT HAS MORE THAN A 1/4" "TRIPPING HAZARD" SHALL BE REMOVED AND REPLACED THROUGHOUT THE PROJECT LIMITS PER THE DIRECTION OF THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM NO. 0921001A - CONCRETE SIDEWALK.
2. ALL CONCRETE SIDEWALK SHALL BE FINISHED WITH TOOLED JOINTS.
3. ALL EXISTING CONCRETE SIDEWALK BEING REMOVED FOR INSTALLATION OF CONCRETE SIDEWALK RAMPS SHALL BE CUT AT THE NEAREST JOINTS.
4. ALL CROSSWALKS AND STOP BARS SHALL BE EPOXY RESIN UNLESS OTHERWISE NOTED.
5. EXISTING SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT.
6. TRIMMING OF EXISTING TREES SHALL BE COVERED UNDER ITEM NO. 0201001 "CLEARING AND GRUBBING"
7. SEDIMENTATION CONTROL SYSTEM AT CATCH BASIN TO BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT LIMITS.
8. ALL INVERT ELEVATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR BEFORE COMMENCING CONSTRUCTION.
9. EXACT SIGN LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
10. INSTALL ALL PAVEMENT MARKINGS WITHIN THE LIMITS OF CONSTRUCTION UNLESS OTHERWISE SHOWN OR AS DIRECTED BY THE ENGINEER. MATCH TO EXISTING PAVEMENT MARKINGS AT THE LIMIT OF CONSTRUCTION.
11. EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY CONTRACTOR WHERE IN CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS BY A METHOD ACCEPTABLE TO THE BOROUGH. GRINDING IS NOT ALLOWED. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS THROUGH THE SITE DURING CONSTRUCTION.
12. EXISTING CURBING TO BE REMOVED AT PROPOSED CONCRETE SIDEWALK RAMP LOCATIONS SHALL BE PAID FOR UNDER ITEM NO. 0921005 - CONCRETE SIDEWALK RAMP.
13. EXISTING CURBING TO BE REMOVED AT PROPOSED CONCRETE SIDEWALK RAMP LOCATIONS SHALL BE PAID FOR UNDER ITEM NO. 0921005 - CONCRETE SIDEWALK RAMP.
14. DECORATIVE LIGHT POLE FOUNDATION SHALL BE DESIGNED BY THE CONTRACTOR PER THE SPECIAL PROVISION.

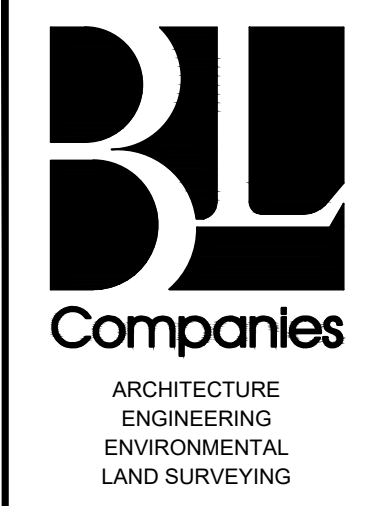
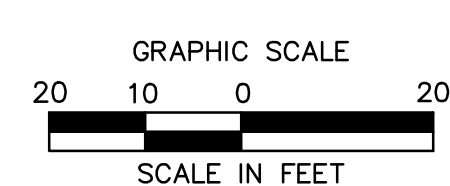
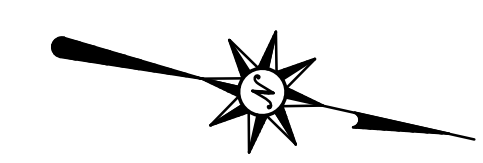
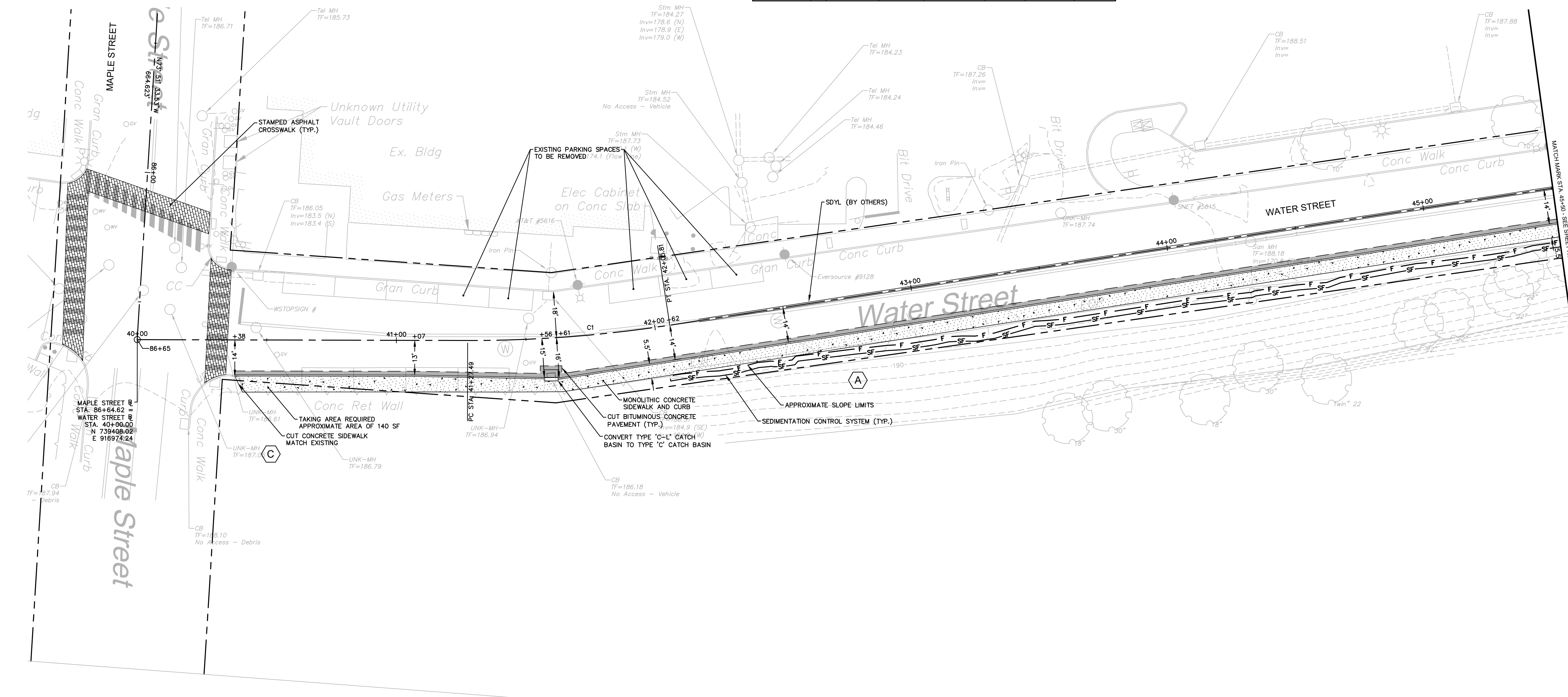
SCHEDULE OF RIGHTS AND EASEMENTS

-  A RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
-  B RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
-  C RIGHT TO CONSTRUCT SIDEWALK REQUIRED

STRIPING LEGEND

- SDYL 4" SOLID DOUBLE YELLOW LINE
- SWSB 12" SOLID WHITE STOP BAR

CURVE DATA						
CURVE NO.	PC	NORTHING	EASTING	Δ	RADIUS	TANGENT
C1	PT	739532.37	917002.34	N08° 14' 52.14"E	500.0'	39.24'
		739570.65	917010.99			
		739609.81	917013.57			78.3'



355 Research Parkway
Middletown, CT 06450
(203) 630-1406
(203) 630-2615 Fax

**DOWNTOWN COMMUNITY CONNECTIVITY
BIKE AND PEDESTRIAN IMPROVEMENTS**
 NAUGATUCK, CONNECTICUT

REVISIONS	Desc.
No.	Date



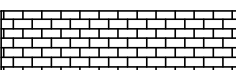






Surveyed
 Drawn K.H.E.
 Reviewed K.P.R.
 Scale 1" = 20'
 Project No. 1901639
 Date 06/18/2021

CAD File: TRWY190163901
 Title: **ROADWAY PLAN**

Sheet No.

RWY-4




LEGEND

-  CONCRETE SIDEWALK
-  DRIVEWAY APRON
-  STAMPED ASPHALT CROSSWALK
-  FULL DEPTH RECONSTRUCTION
-  SEDIMENTATION CONTROL SYSTEM
-  EXISTING RIGHT-OF-WAY LINE
-  CUT BITUMINOUS CONCRETE PAVEMENT
-  APPROXIMATE SLOPE LIMITS
-  2" PVC CONDUIT SCHEDULE 80

NOTES

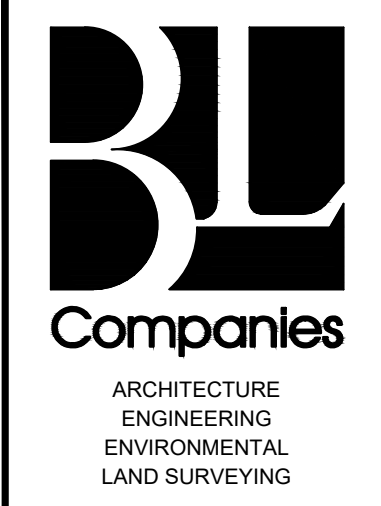
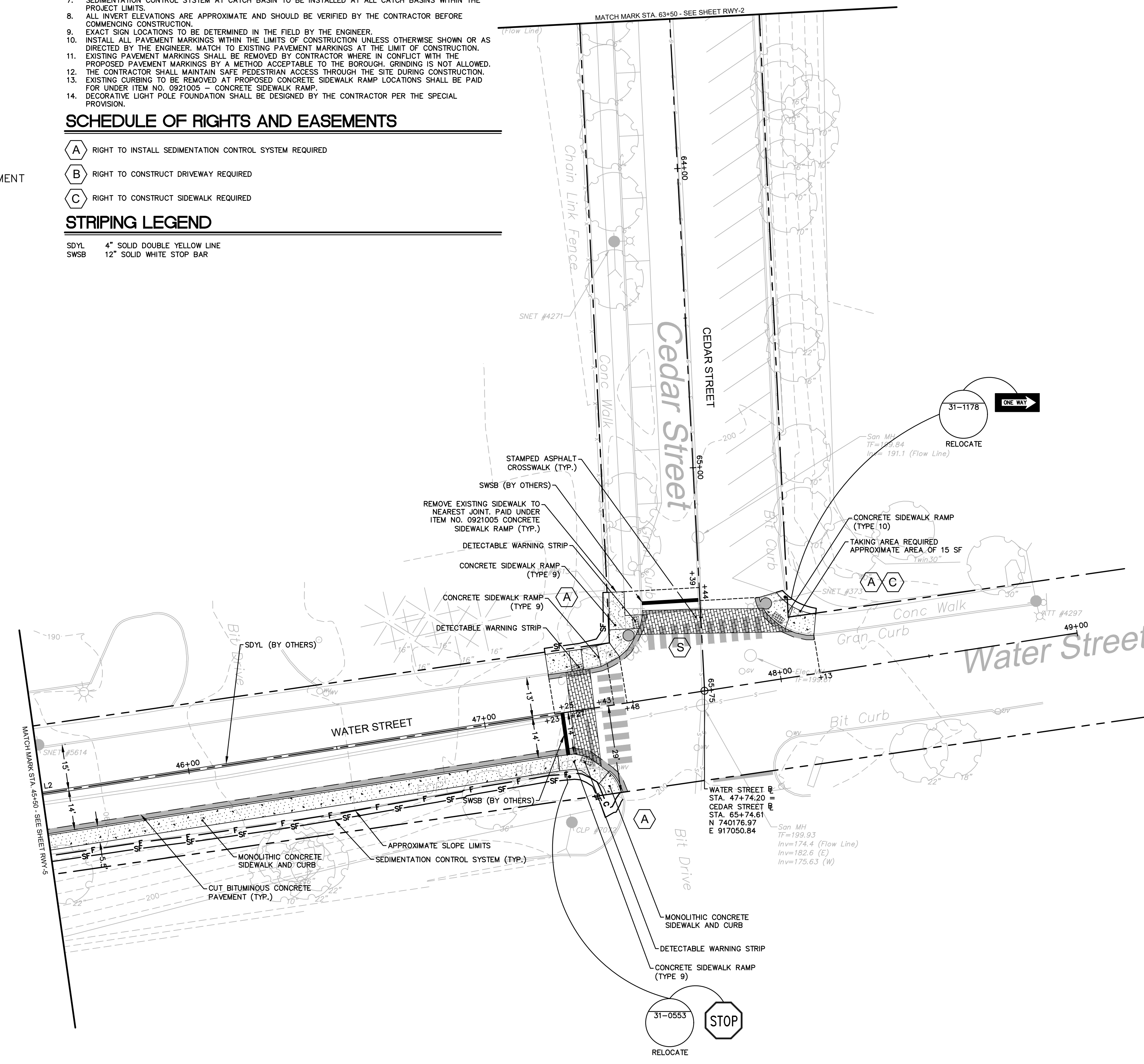
1. EXISTING CONCRETE SIDEWALK THAT HAS MORE THAN A 1/4" "TRIPPING HAZARD" SHALL BE REMOVED AND REPLACED THROUGHOUT THE PROJECT LIMITS PER THE DIRECTION OF THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM NO. 0921001A - CONCRETE SIDEWALK.
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14. DECORATIVE LIGHT POLE FOUNDATION SHALL BE DESIGNED BY THE CONTRACTOR PER THE SPECIAL PROVISION.

SCHEDULE OF RIGHTS AND EASEMENTS

-  RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
-  RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
-  RIGHT TO CONSTRUCT SIDEWALK REQUIRED

STRIPING LEGEND

- SDYL 4" SOLID DOUBLE YELLOW LINE
- SWSB 12" SOLID WHITE STOP BAR



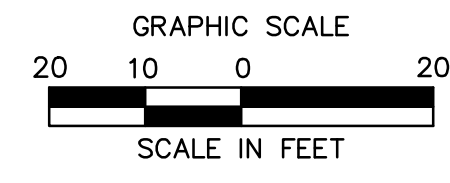
355 Research Parkway
Meriden, CT 06450
(203) 630-1406
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**DOWNTOWN COMMUNITY CONNECTIVITY
BIKE AND PEDESTRIAN IMPROVEMENTS**
NAUGATUCK, CONNECTICUT

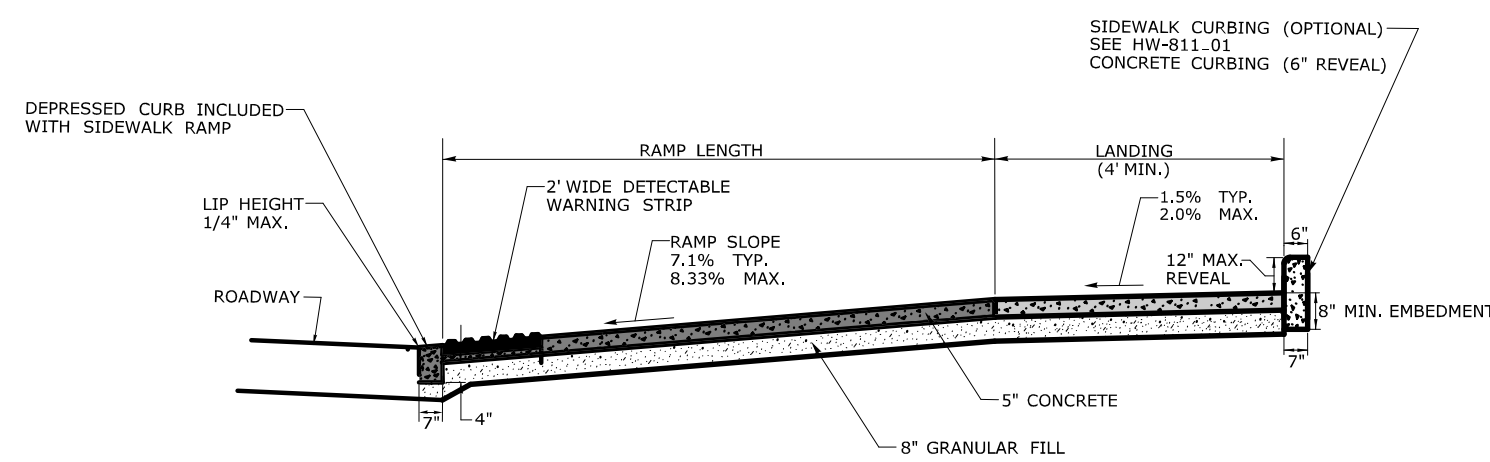
REVISIONS	Desc.
No.	Date

Surveyed
Drawn K.H.E.
Reviewed K.P.R.
Scale 1" = 20'
Project No. 1901639
Date 06/18/2021

CAD File: TRW190163901
Title: **ROADWAY PLAN**
Sheet No.

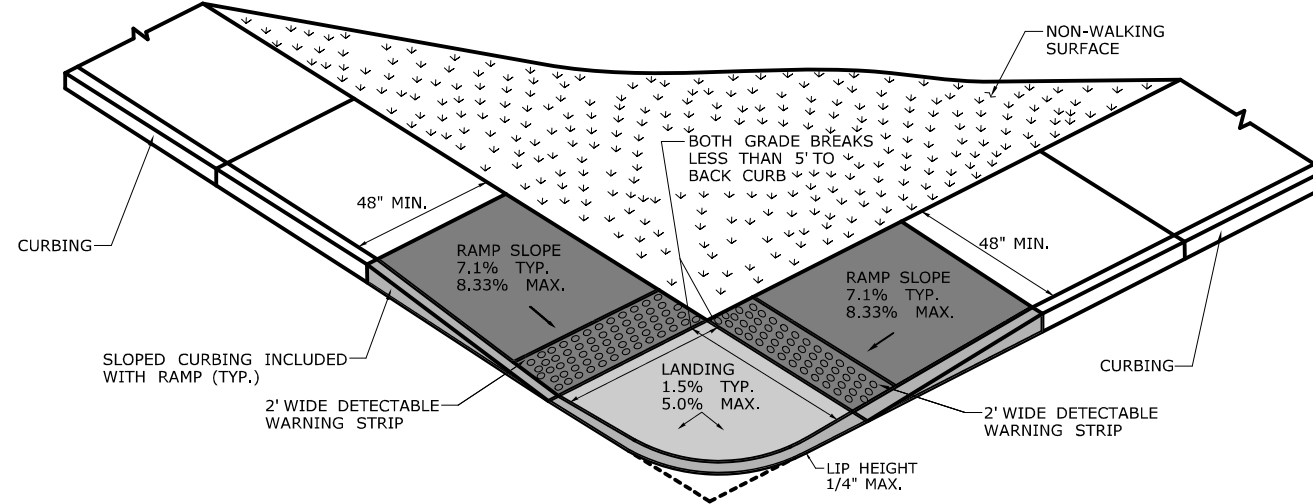


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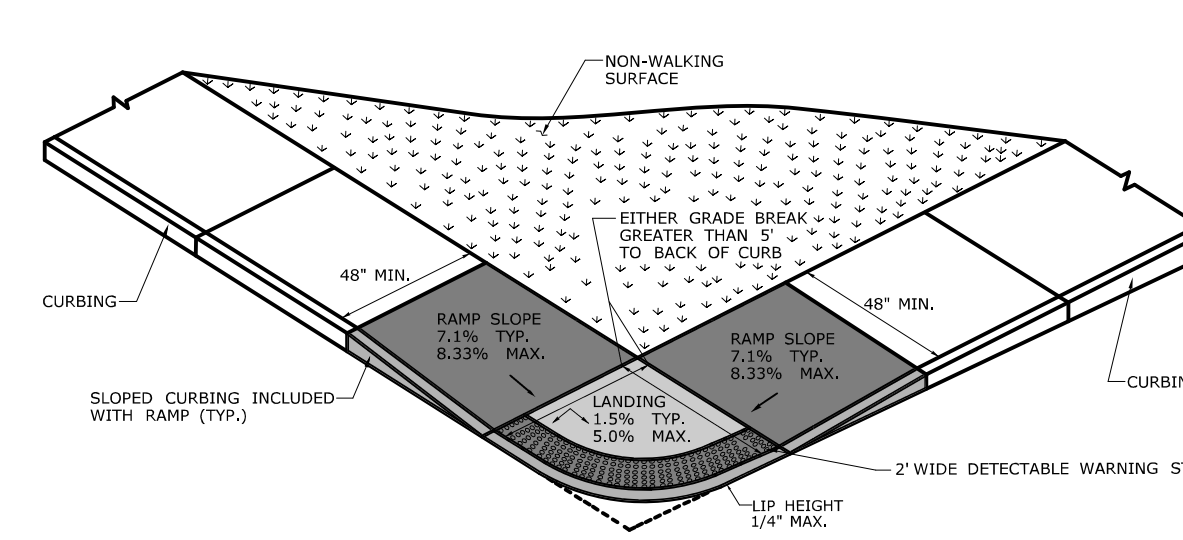
BASIC RAMP ATTRIBUTES

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



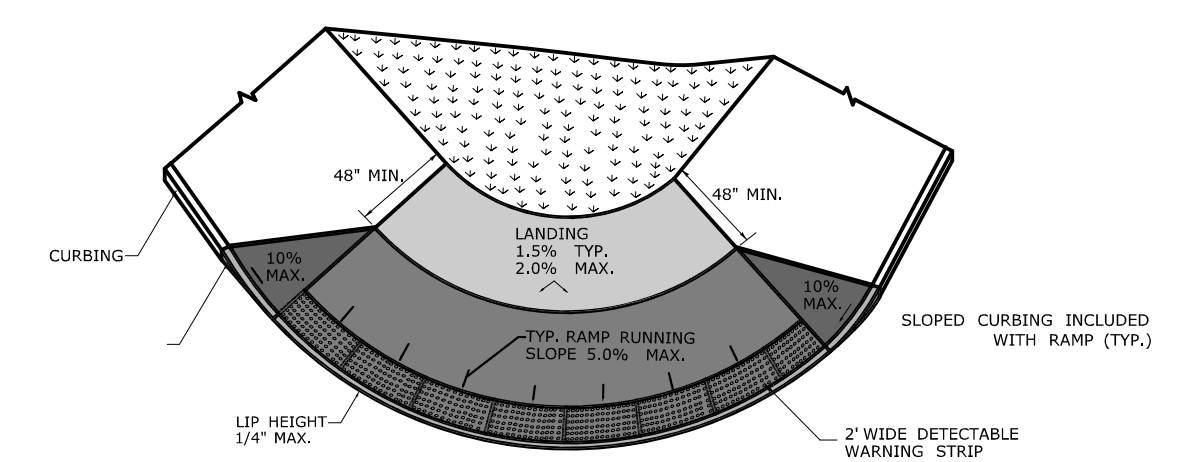
**PERPENDICULAR RAMP(S)
LANDING'S GRADE BREAK OF 5' OR LESS**

- TYPE 1 SIDEWALK ABUTS ROADWAY
- TYPE 3 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA

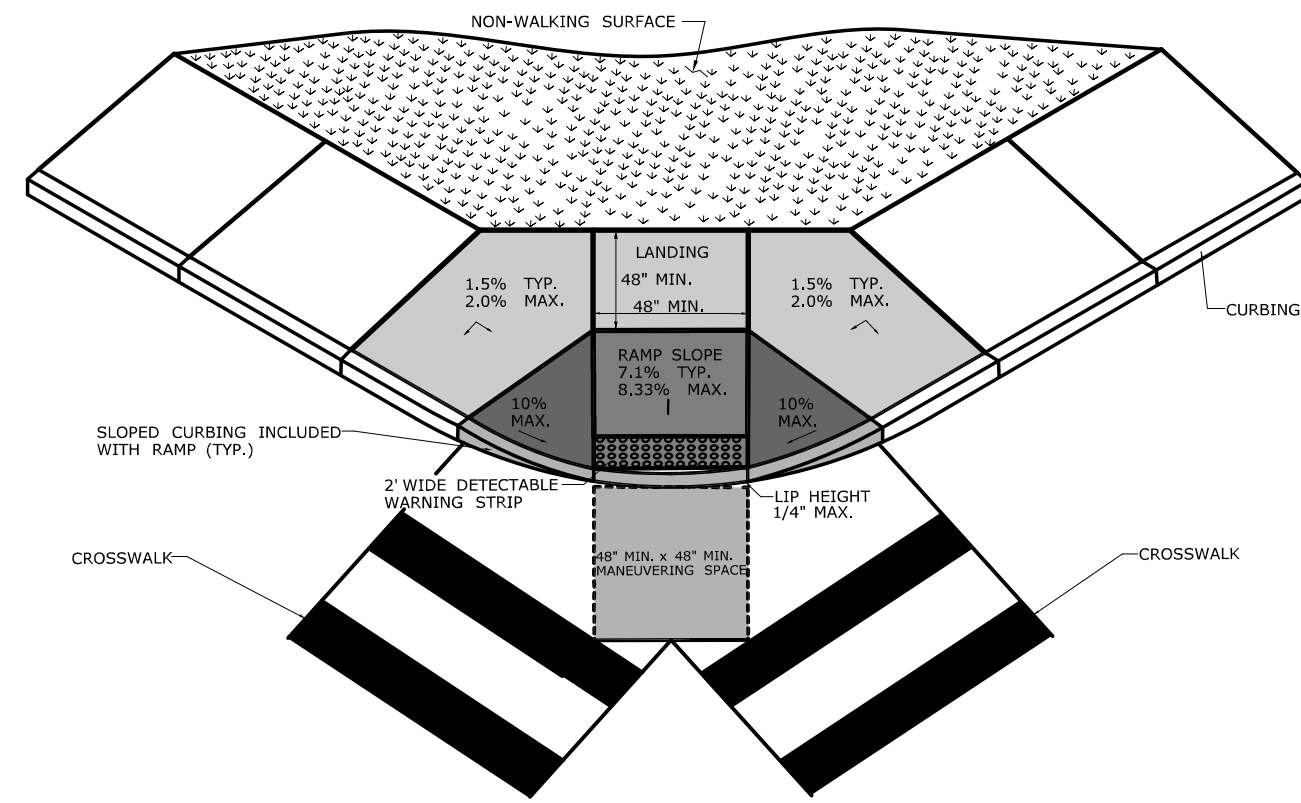


**BLENDED RAMP(S)
LANDING'S GRADE BREAK GREATER THAN 5'**

- TYPE 2 SIDEWALK ABUTS ROADWAY
- TYPE 4 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA

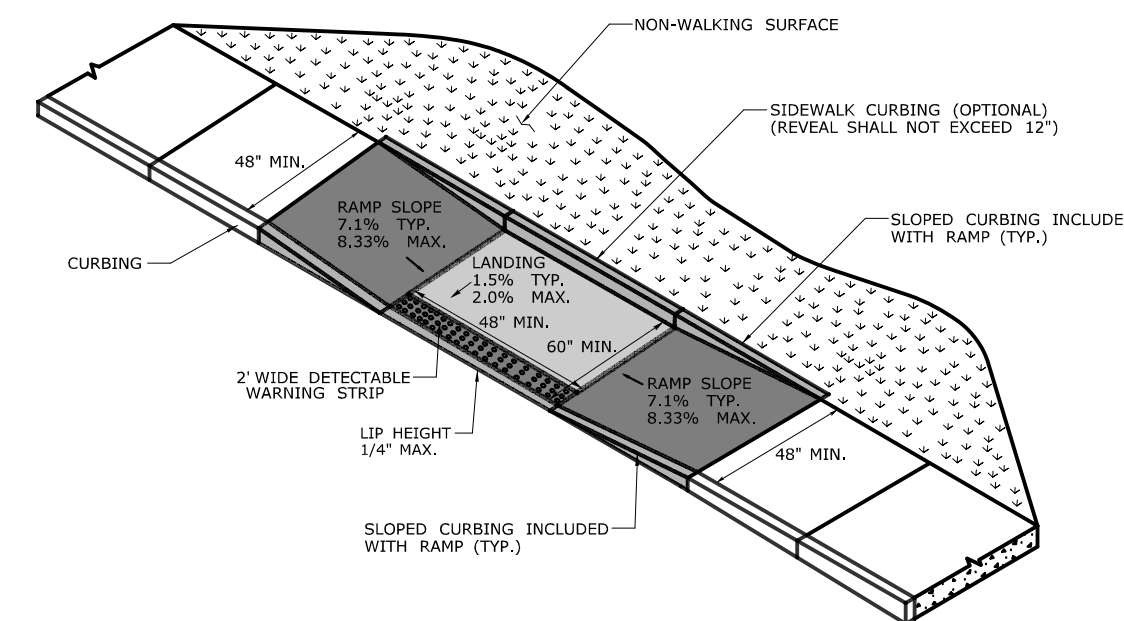


**BLENDED RAMP(S)
LANDING'S IS LOCATED ON TOP
TYPE 5 SIDEWALK ABUTS ROADWAY**



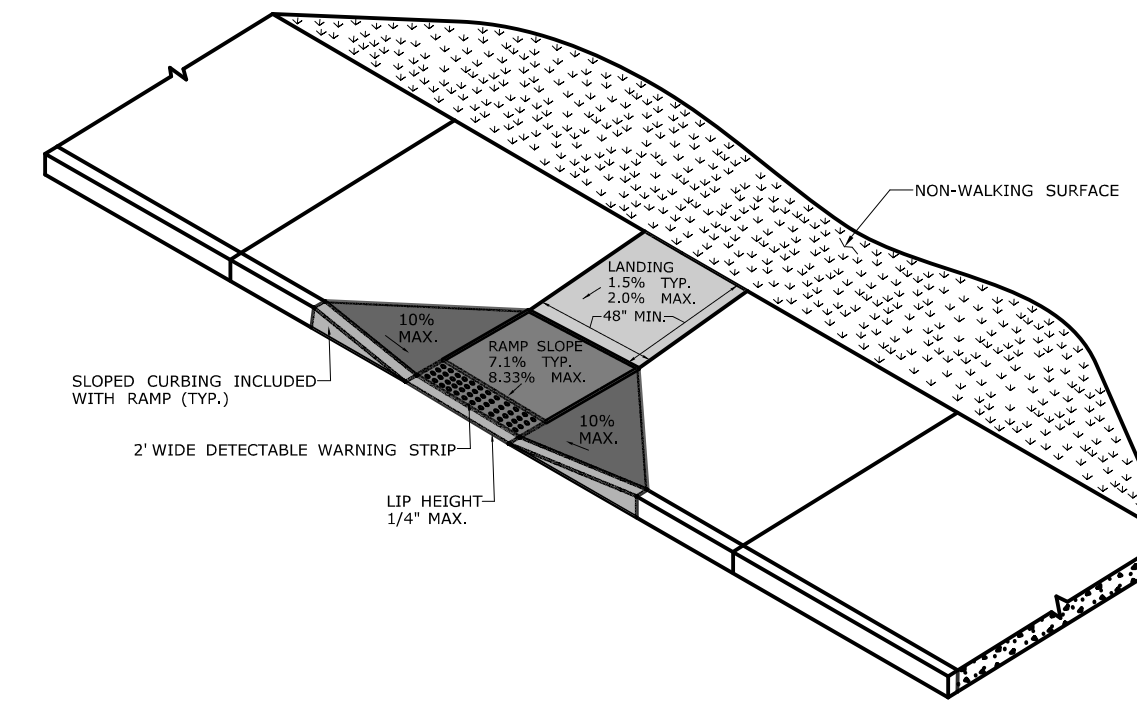
**PERPENDICULAR RAMP(S) WITH
STREET MANEUVERING SPACE**

- TYPE 6 LANDING OBSTRUCTION PRESENT
- TYPE 7 NO LANDING OBSTRUCTION



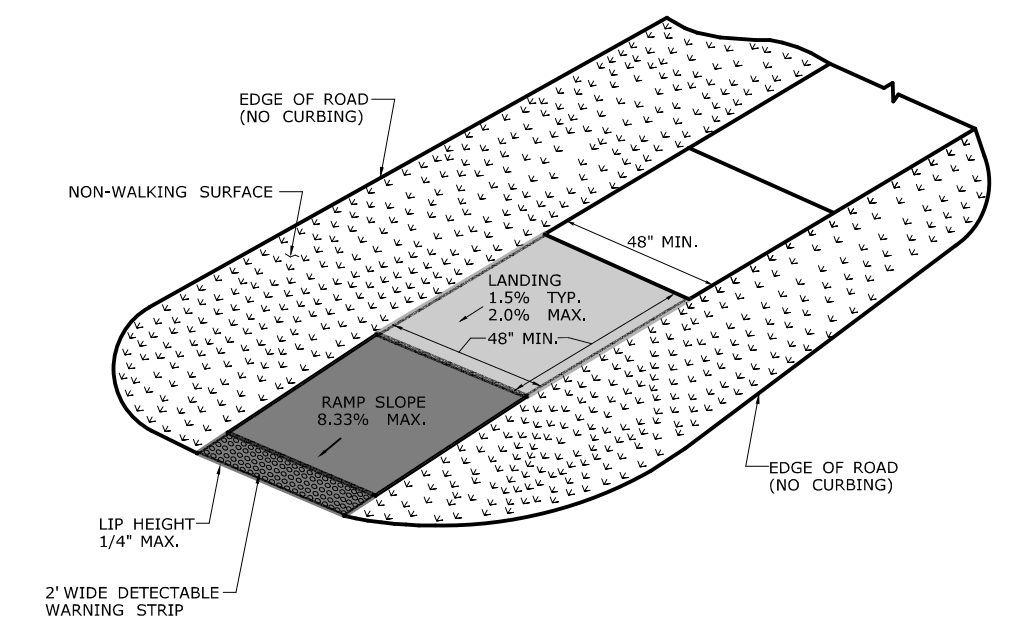
PARALLEL RAMP(S)

- TYPE 9 TWO RAMP(S) APPROACH TO LANDING
- TYPE 10 SINGLE RAMP TO LANDING



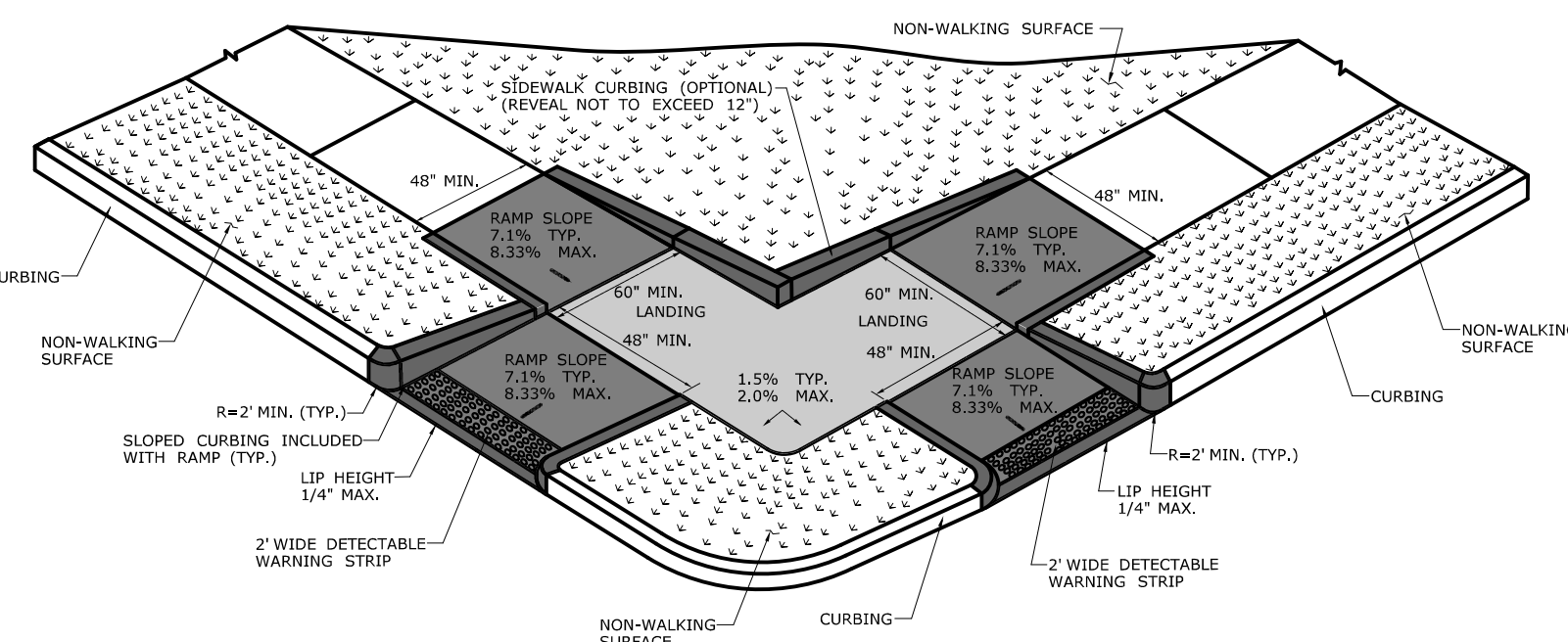
PERPENDICULAR RAMP(S)

- TYPE 8 LANDING BYPASS WITH WALKABLE SURFACE
- TYPE 13 LANDING WITH NON-WALKABLE SURFACE
- TYPE 12 60" X 48" LANDING WITH NON-WALKABLE SURFACE
- TYPE 11 60" X 60" LANDING WITH NON-WALKABLE SURFACE



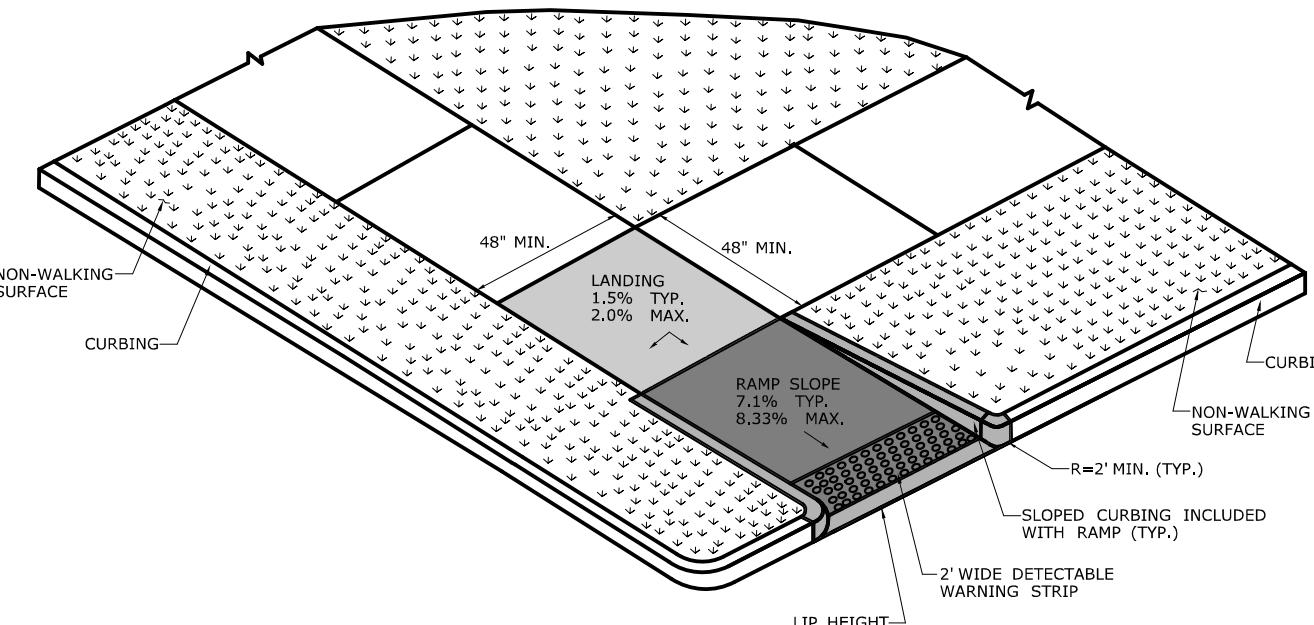
SINGLE DIRECTION RAMP(S)

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



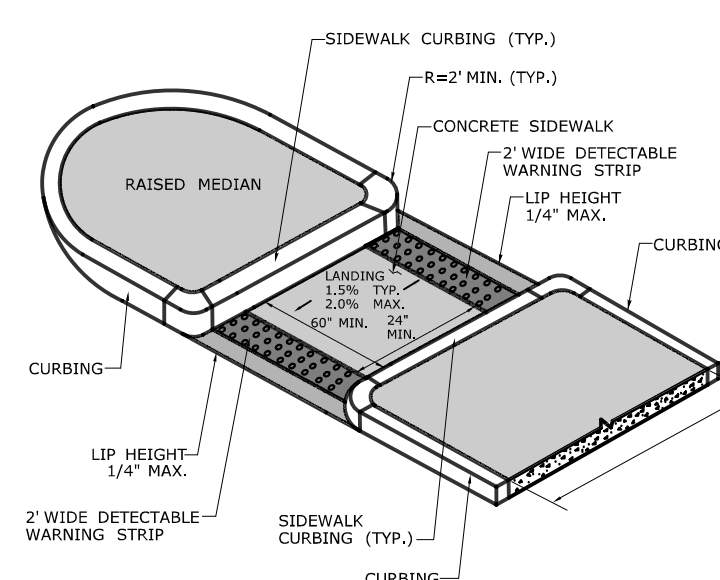
PERPENDICULAR RAMP(S)

- TYPE 18 EXAMPLE OF RAMP FLARE/CURB APPLICATIONS
- TYPE 19 COMBINATION SIDEWALK RAMPS



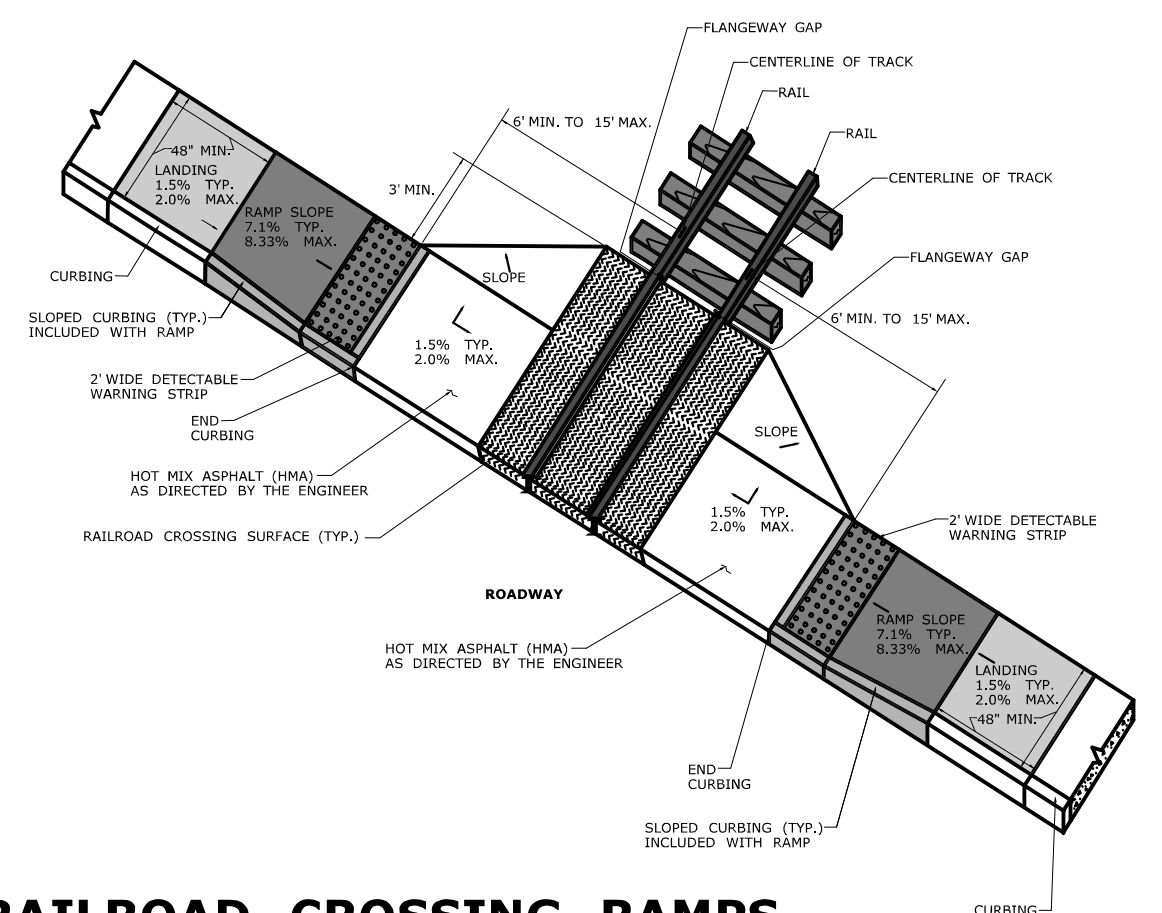
**RESTRICTED PEDESTRIAN CROSSING
SIDEWALK RAMP(S)**

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



PEDESTRIAN REFUGE ISLAND(S)

- TYPE 22 ISLAND WIDTH 6 FT OR MORE
- TYPE 23 ISLAND LESS THAN 6 FT WIDE
- TYPE 24 REFUGGE ISLAND WITH ELEVATED LANDING
- TYPE 25 RIGHT TURN SLIP-LANE REFUGGE ISLAND
- TYPE 26 REFUGGE ISLAND WITH OFFSET ACCESS




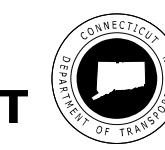
RAILROAD CROSSING RAMPS

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

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 6/11/2019

DESIGNER/DRAFTER:	
CHECKED BY:	


STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

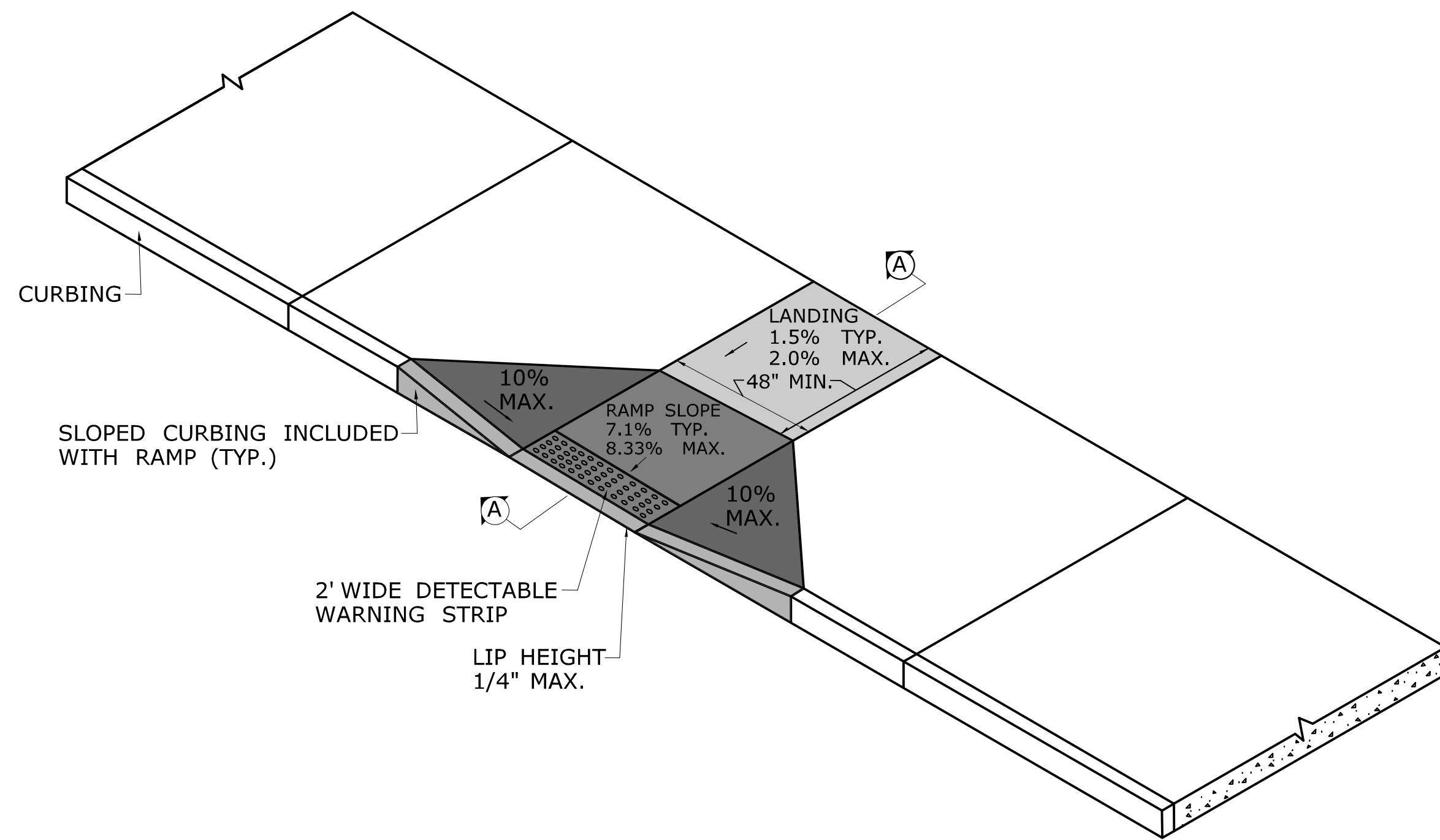


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APPROVED BY:	- -

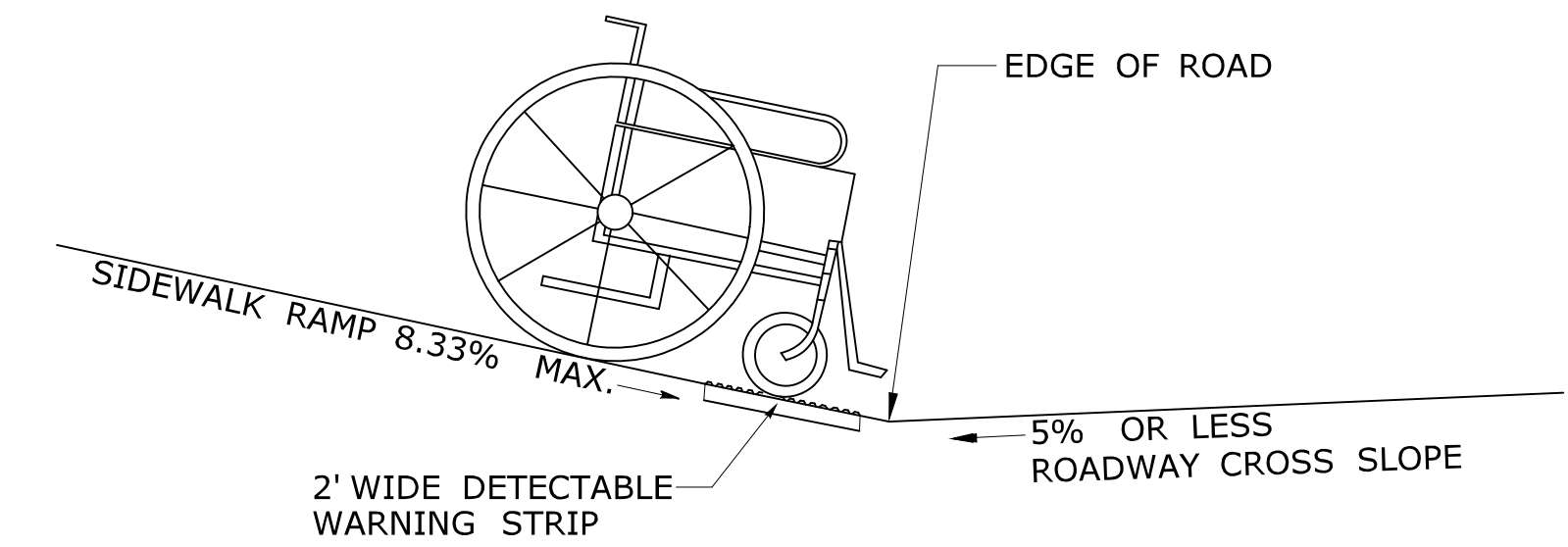
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TOWN:	-
DRAWING TITLE:	CONCRETE SIDEWALK RAMP(S) INDEX

PROJECT NO.	-
DRAWING NO.	-
SHEET NO.	

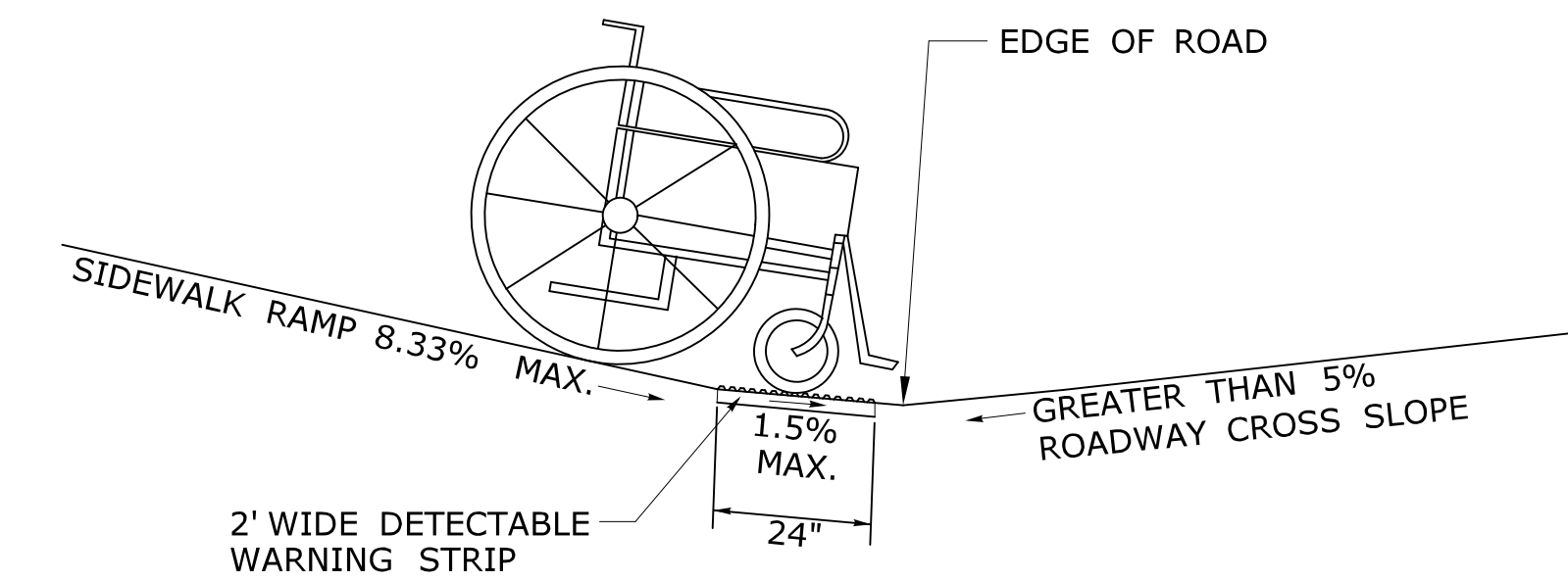


**PERPENDICULAR
SIDEWALK RAMP**

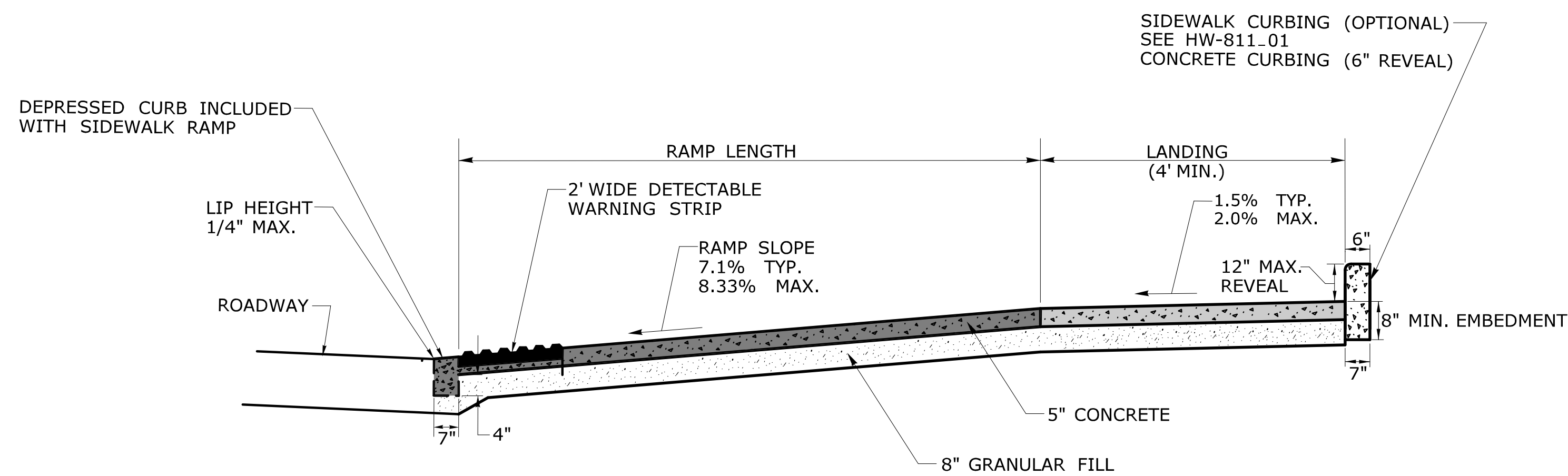
- GENERAL NOTES:**
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRAVERSE TO THE SLOPE OF THE RAMP.
 2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
 3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
 4. THE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



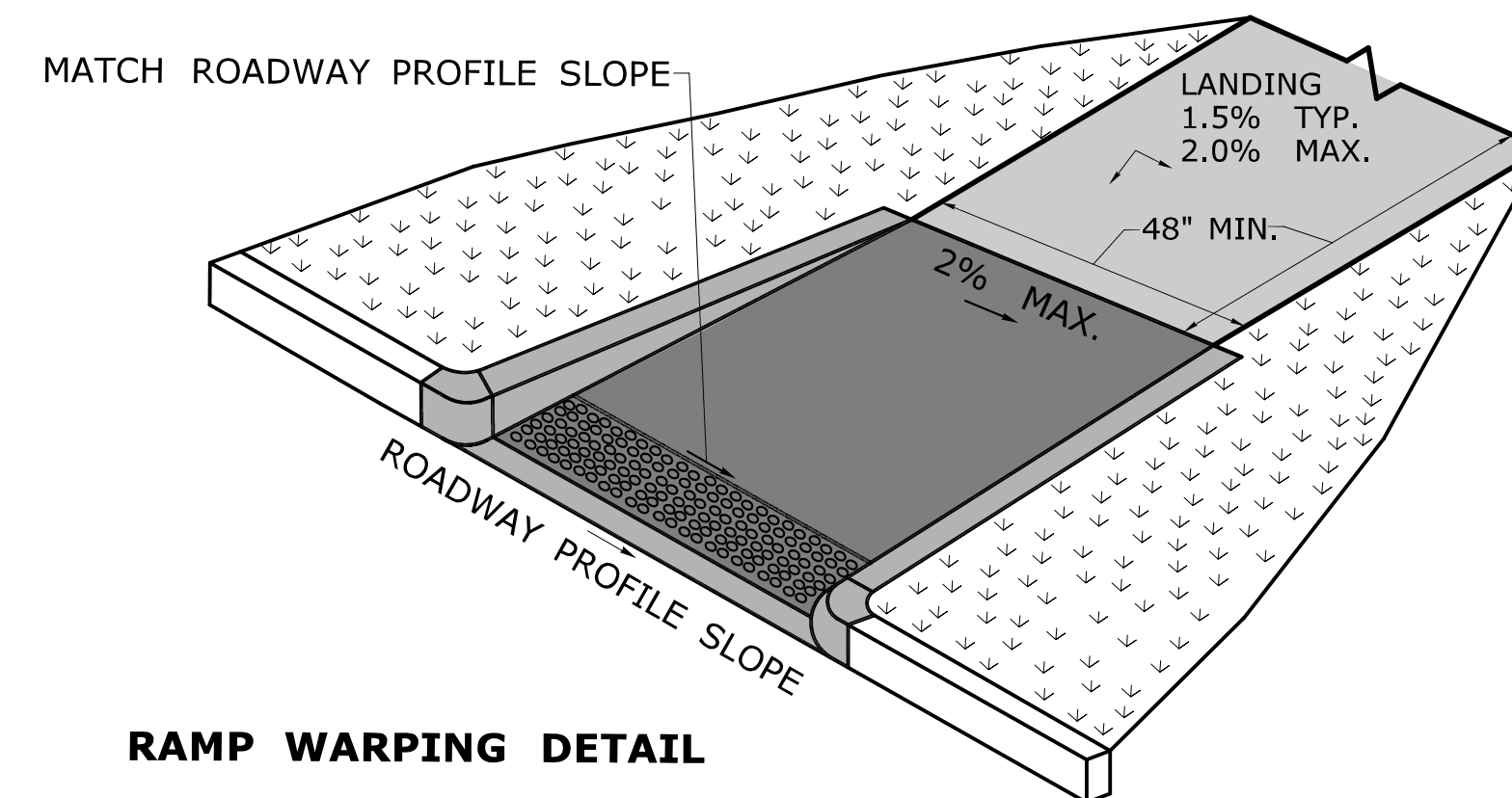
**SIDEWALK RAMP GRADE AT
ROADWAY CROSS SLOPE OF 5% OR LESS**



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



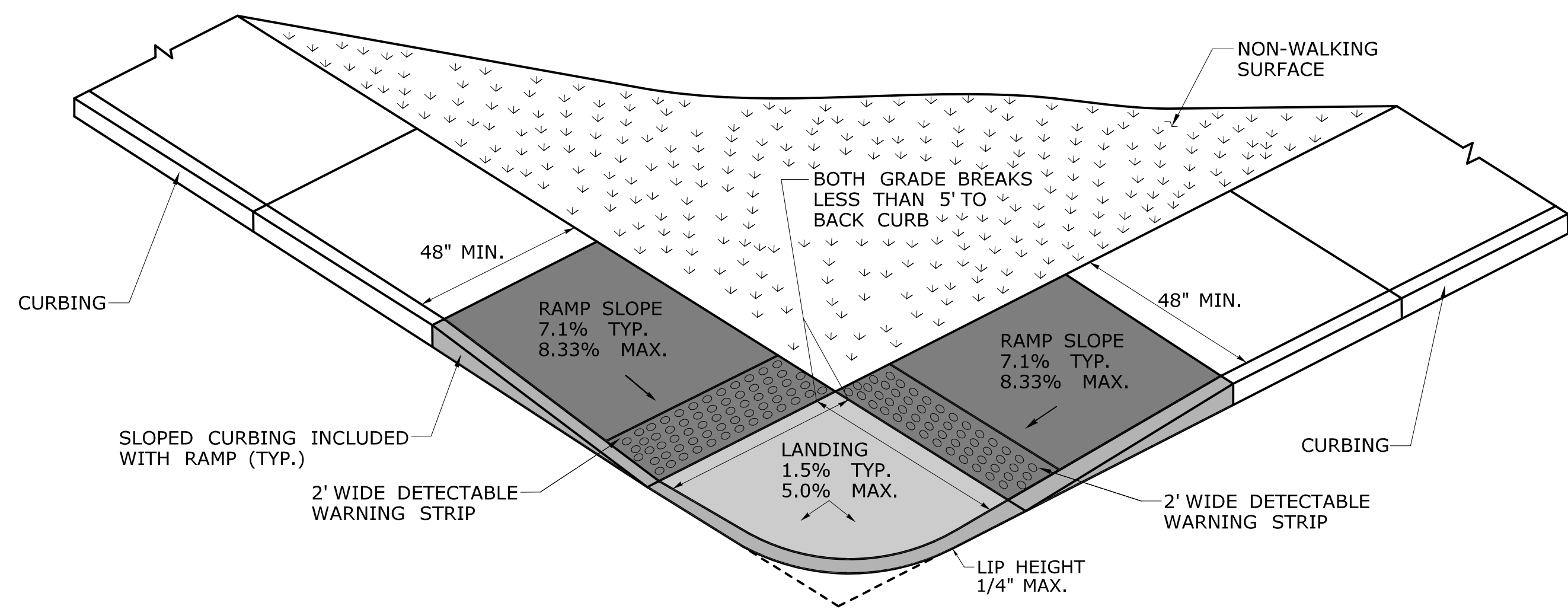
SECTION AA



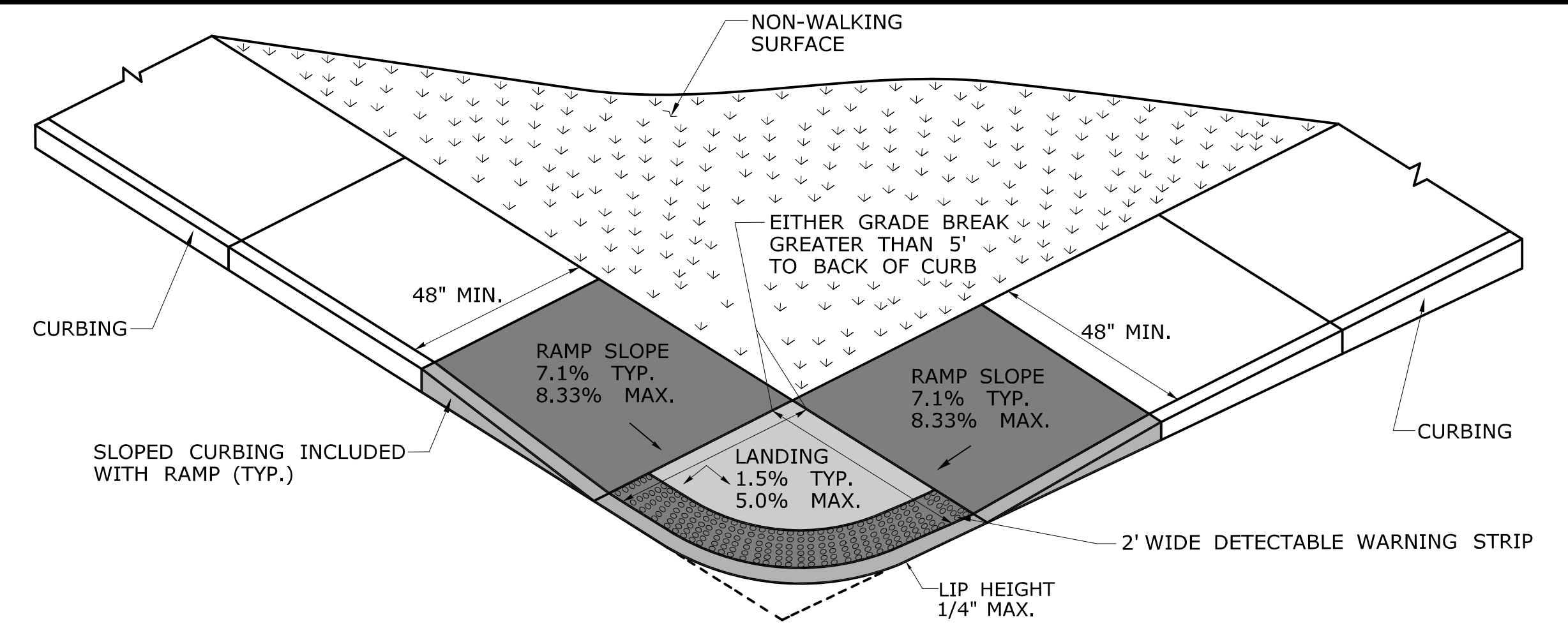
RAMP WARPING DETAIL

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.

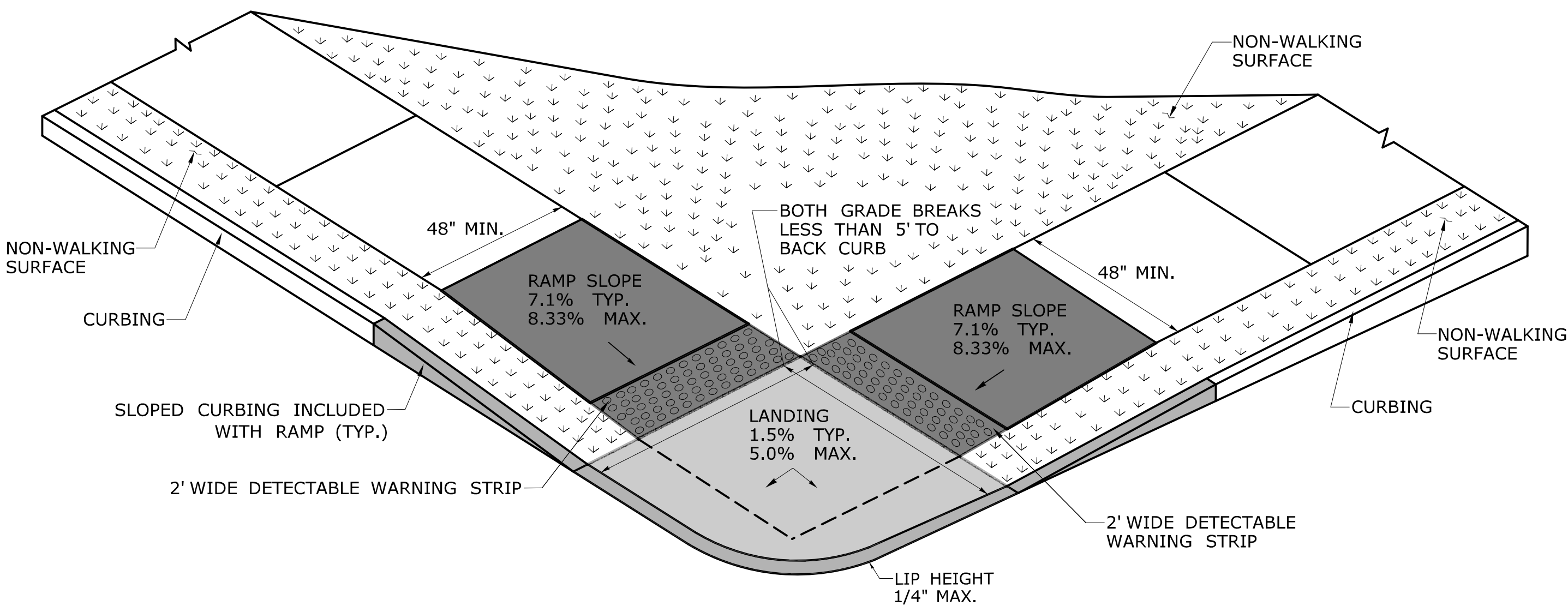
1.	6/19	REVISED MAX LANDING SLOPE TO 2% AND DRAWING TITLE		DESIGNER/DRAFTER: -	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK: -	PROJECT TITLE: -	TOWN: -	PROJECT NO. -	
				CHECKED BY: -		OFFICE OF ENGINEERING	-	-	-	DRAWING NO. -
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 6/11/2019	Filename: ...CTDOT_HIGHWAY_GD [5-30-19].dgn	APPROVED BY: -				
								DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 1		SHEET NO.



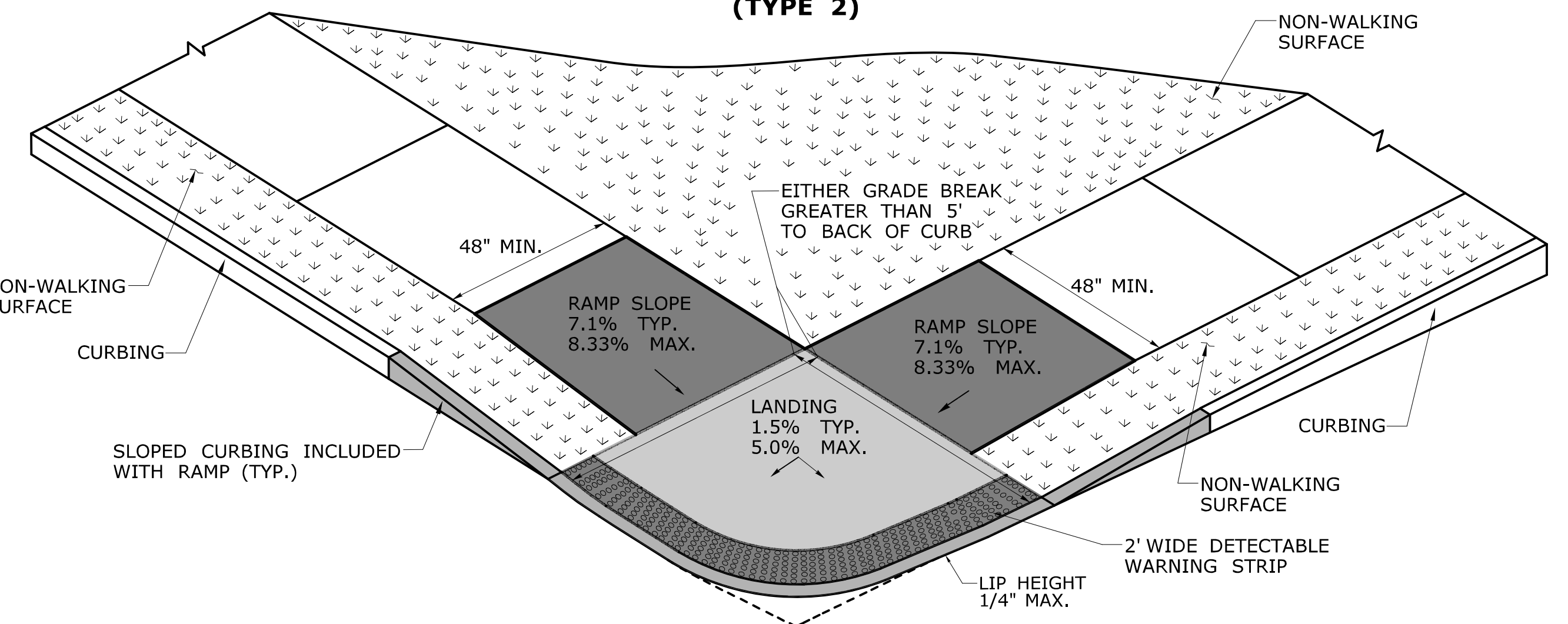
PERPENDICULAR RAMP WITH A GRADE BREAK OF 5' OR LESS (TYPE 1)



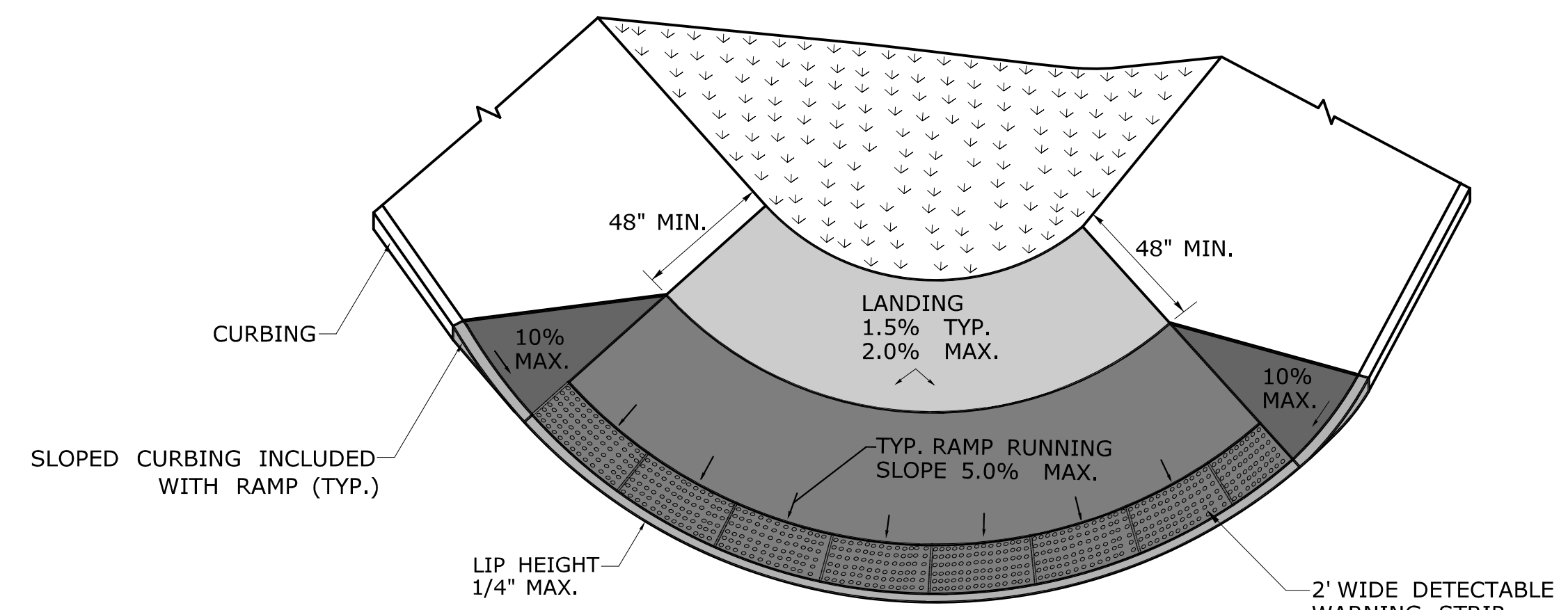
BLENDED TRANSITION WITH GRADE BREAK GREATER THAN 5' (TYPE 2)



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



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

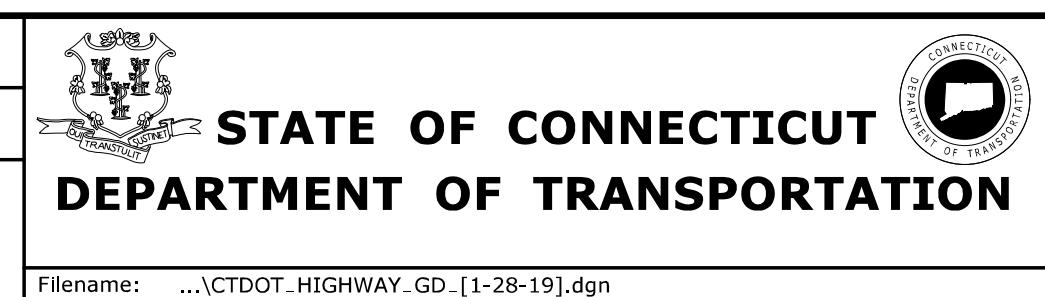


BLENDED TRANSITION WITH LANDING AT TOP (TYPE 5)

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

Plotted Date: 1/30/2019

DESIGNER/DRAFTER:
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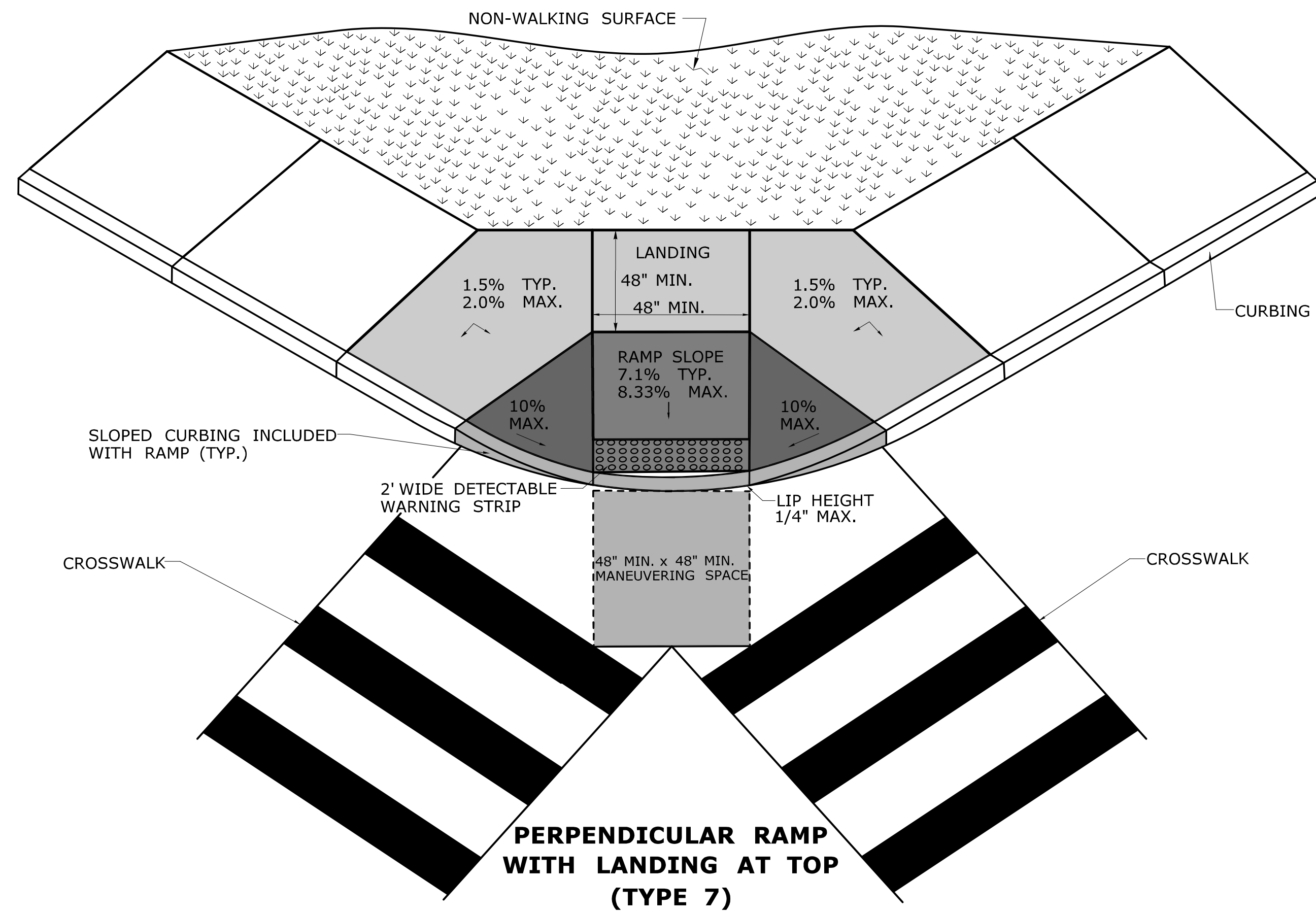
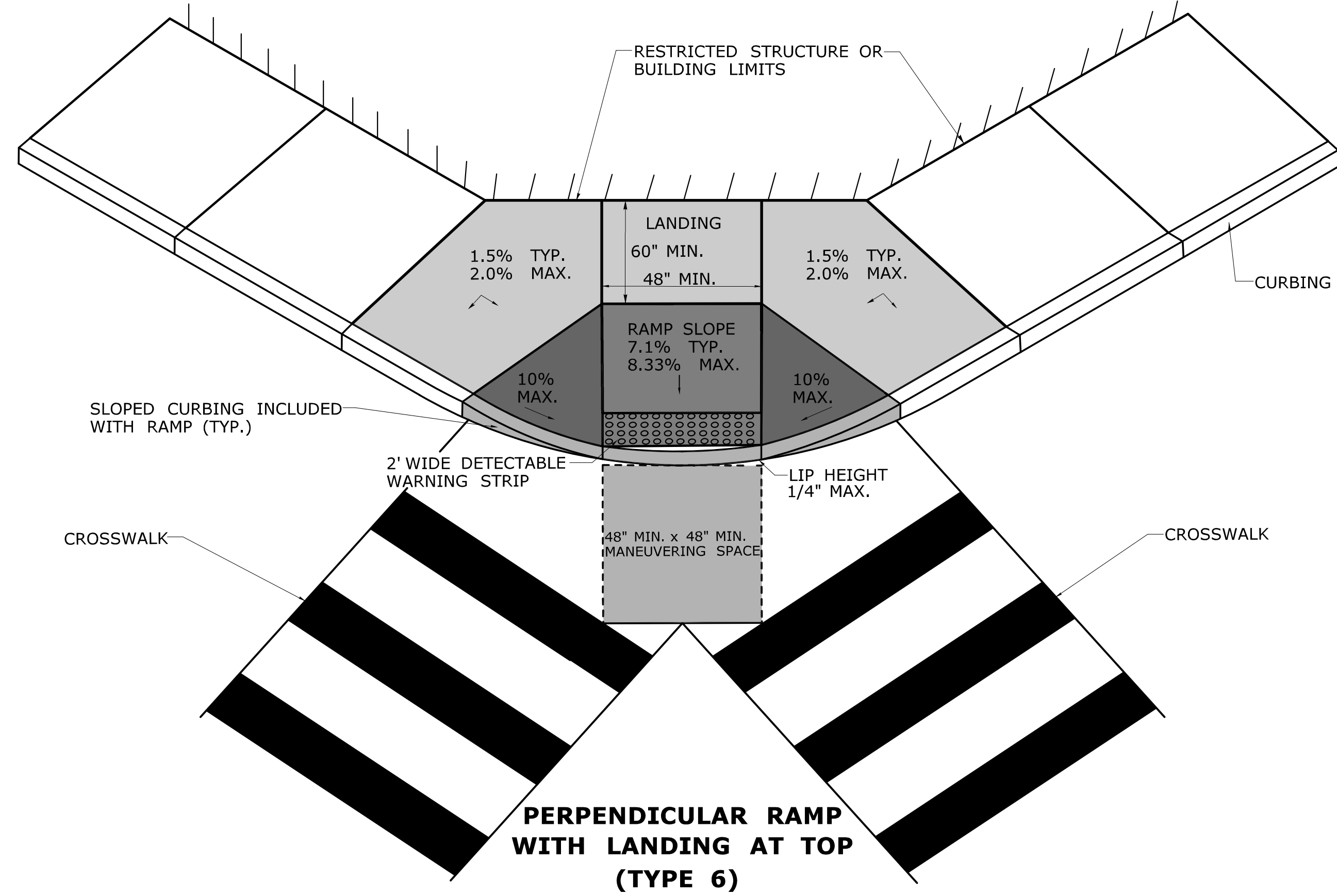



SIGNATURE/BLOCK:
OFFICE OF ENGINEERING
APPROVED BY: -

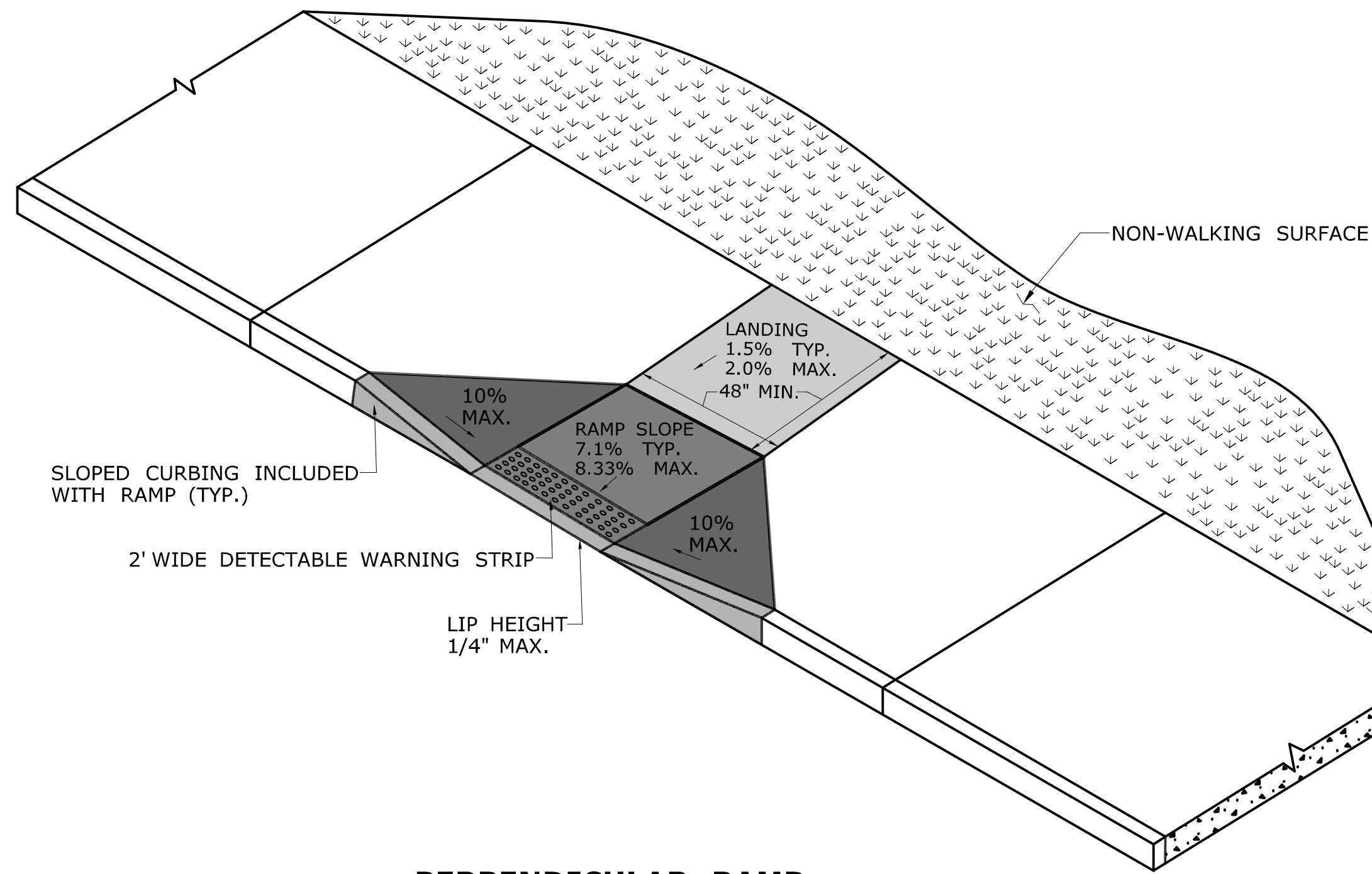
PROJECT TITLE:
TOWN: -

DRAWING TITLE:
CONCRETE SIDEWALK RAMPS - SHEET 2

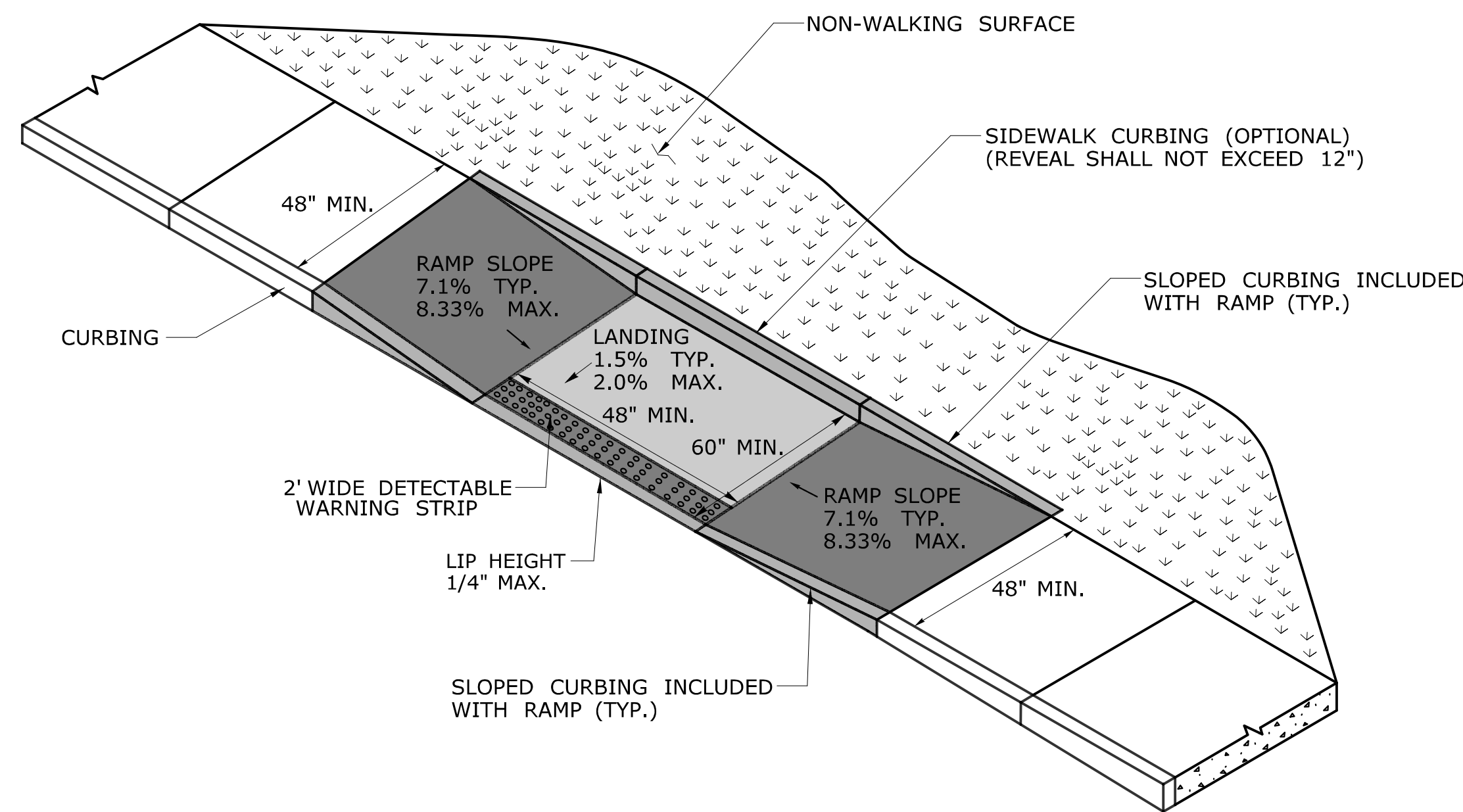
PROJECT NO. -
DRAWING NO. -
SHEET NO. -



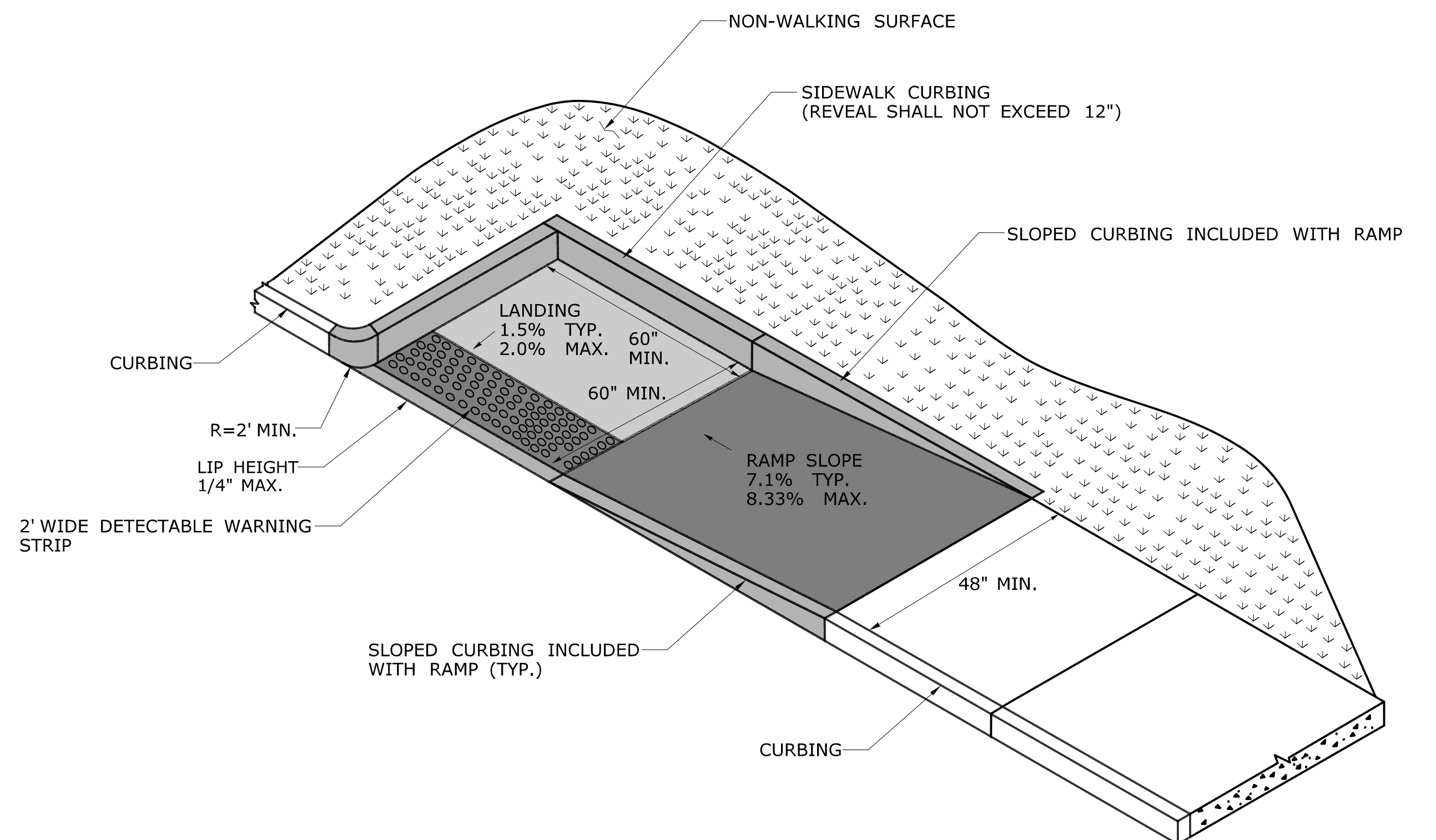
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 1/30/2019	DESIGNER/DRAFTER: CHECKED BY:	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...CTDOT_HIGHWAY_GD_[1-28-19].dgn	SIGNATURE/ BLOCK: OFFICE OF ENGINEERING APPROVED BY:	PROJECT TITLE:	TOWN:	PROJECT NO.
									-	-
										DRAWING NO.
										SHEET NO.
										CONCRETE SIDEWALK RAMP SHEET 3



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



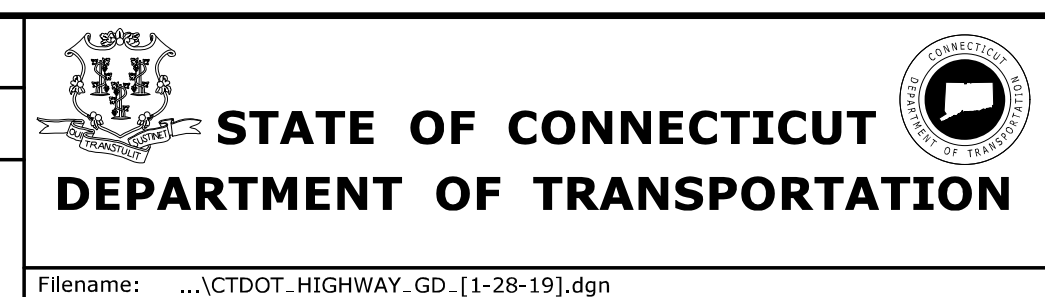
PARALLEL RAMP WITHOUT NON-WALKING SURFACE (TYPE 9)



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

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

DESIGNER/DRAFTER: -
 CHECKED BY: -

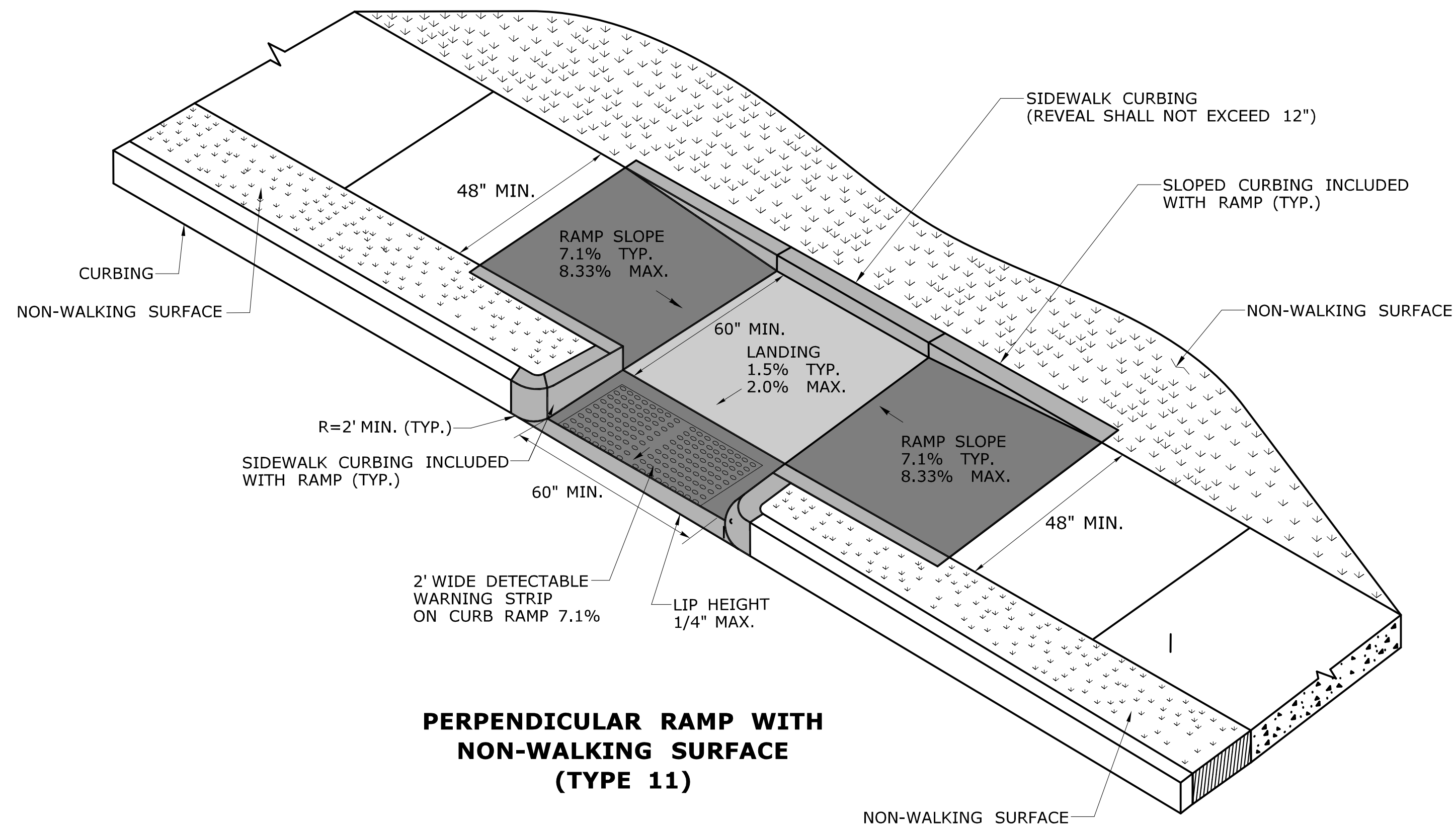


SIGNATURE/BLOCK: -
OFFICE OF ENGINEERING
 APPROVED BY: -

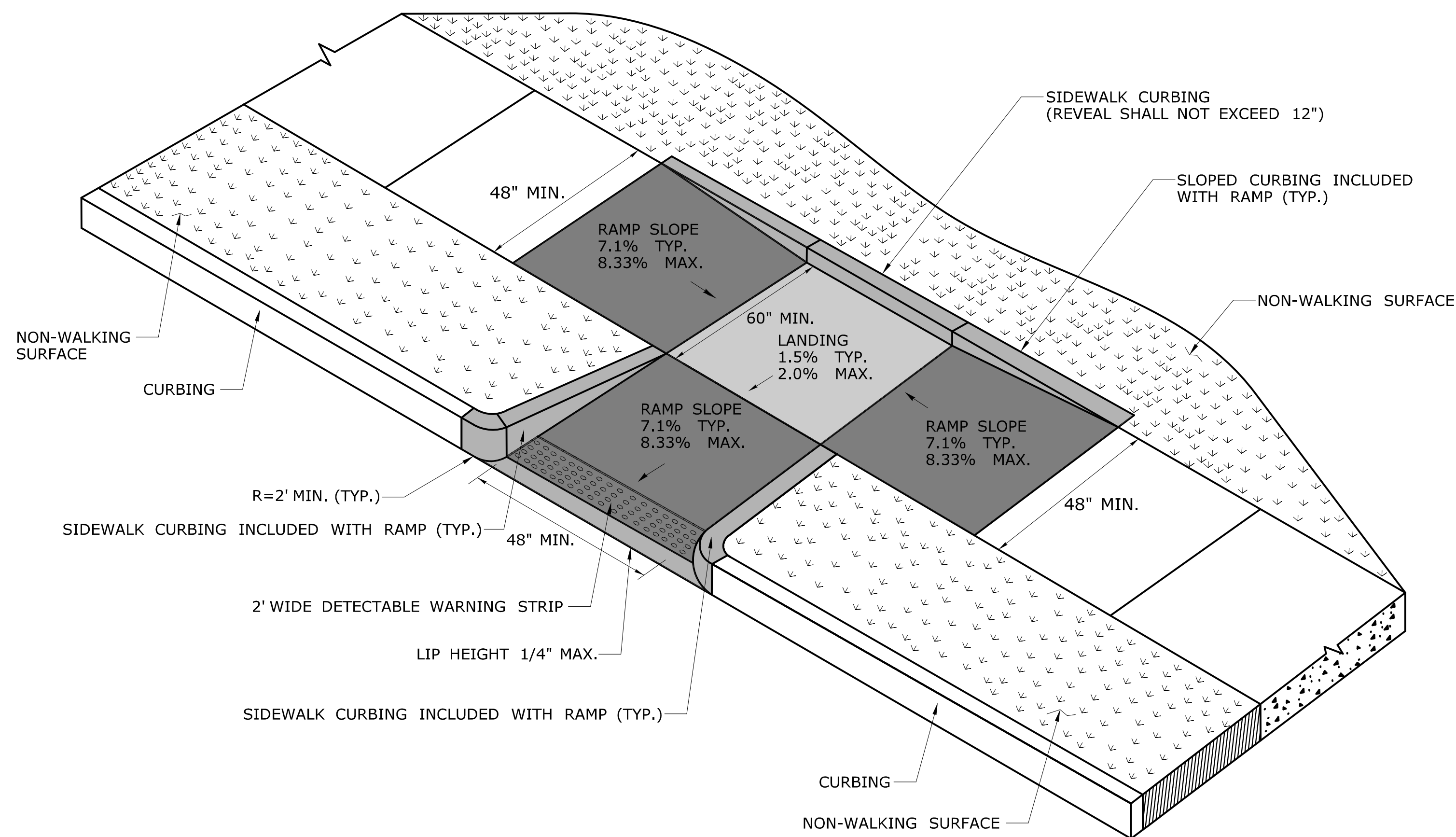
PROJECT TITLE: -
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TOWN: -
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 DRAWING TITLE:
CONCRETE SIDEWALK RAMPS SHEET 4

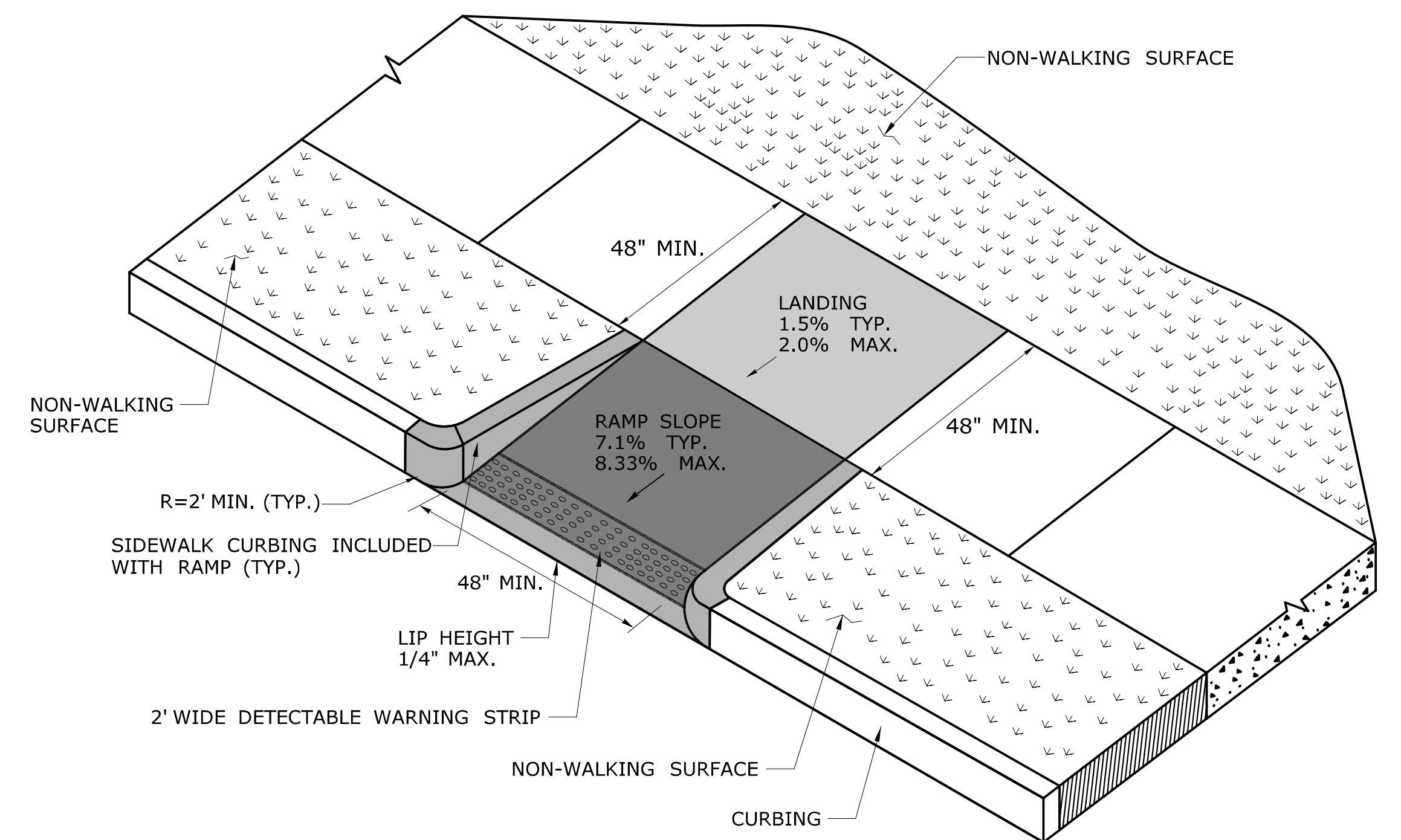
PROJECT NO. -
 DRAWING NO. -
 SHEET NO. -



**PERPENDICULAR RAMP WITH
NON-WALKING SURFACE
(TYPE 11)**

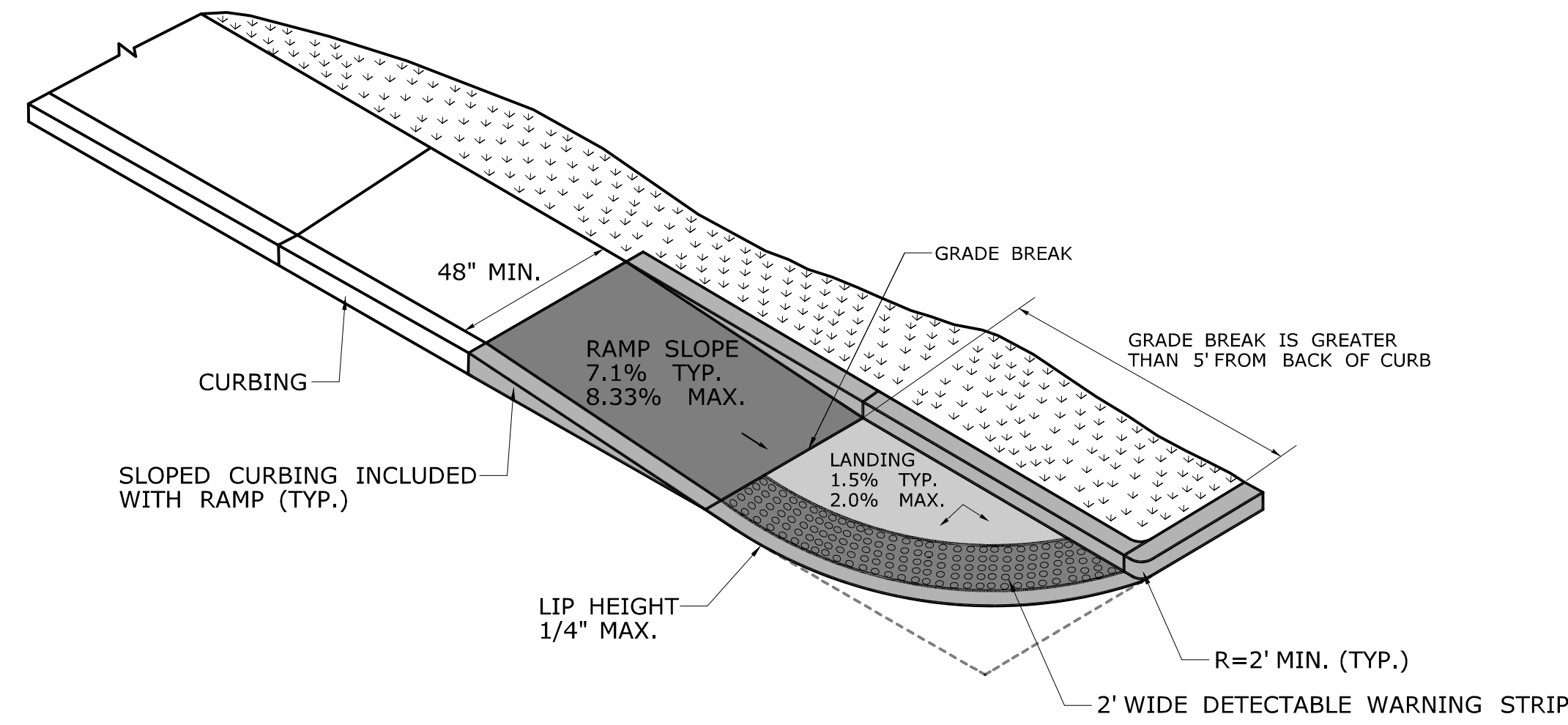


**PERPENDICULAR RAMP WITH SIDEWALK CURB
AND NON-WALKING SURFACE
(TYPE 12)**

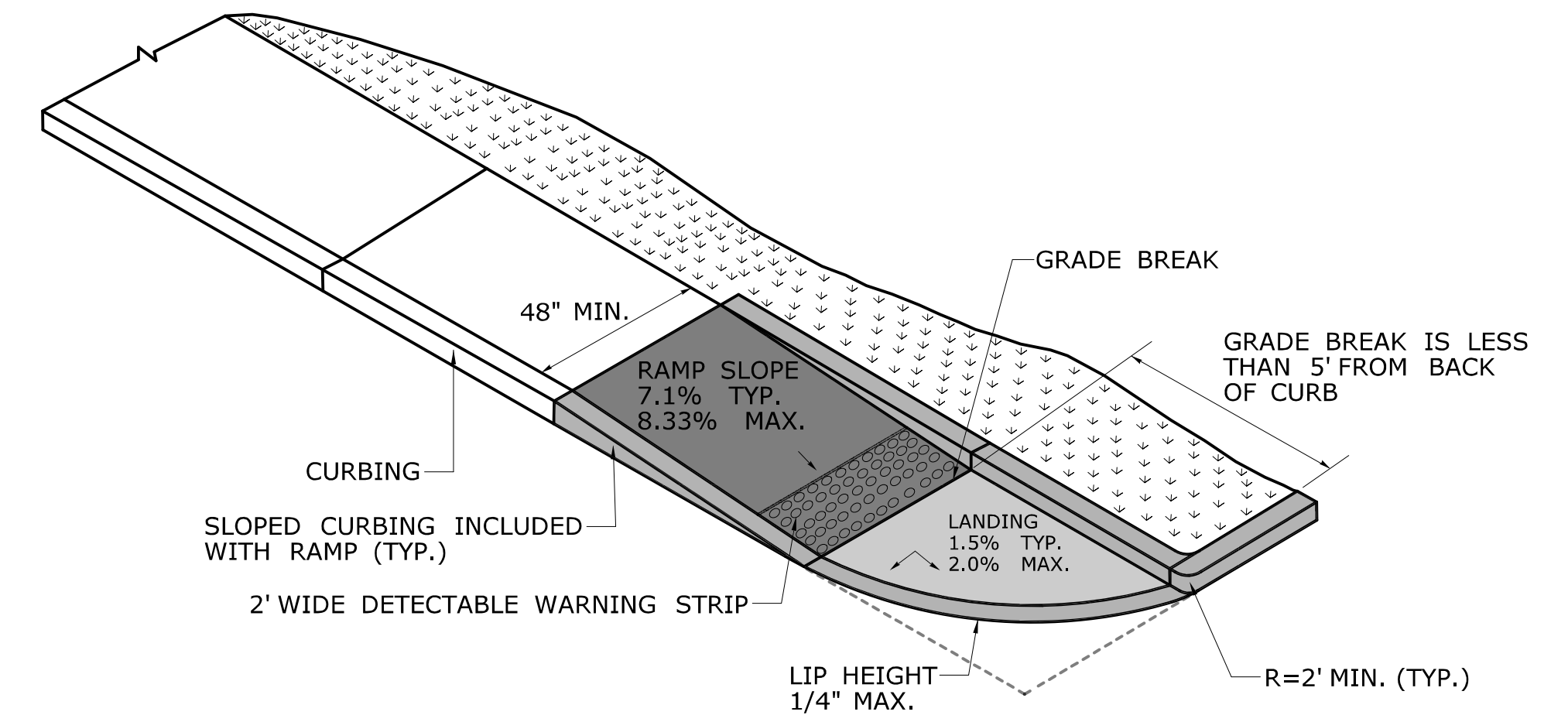


**PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 13)**

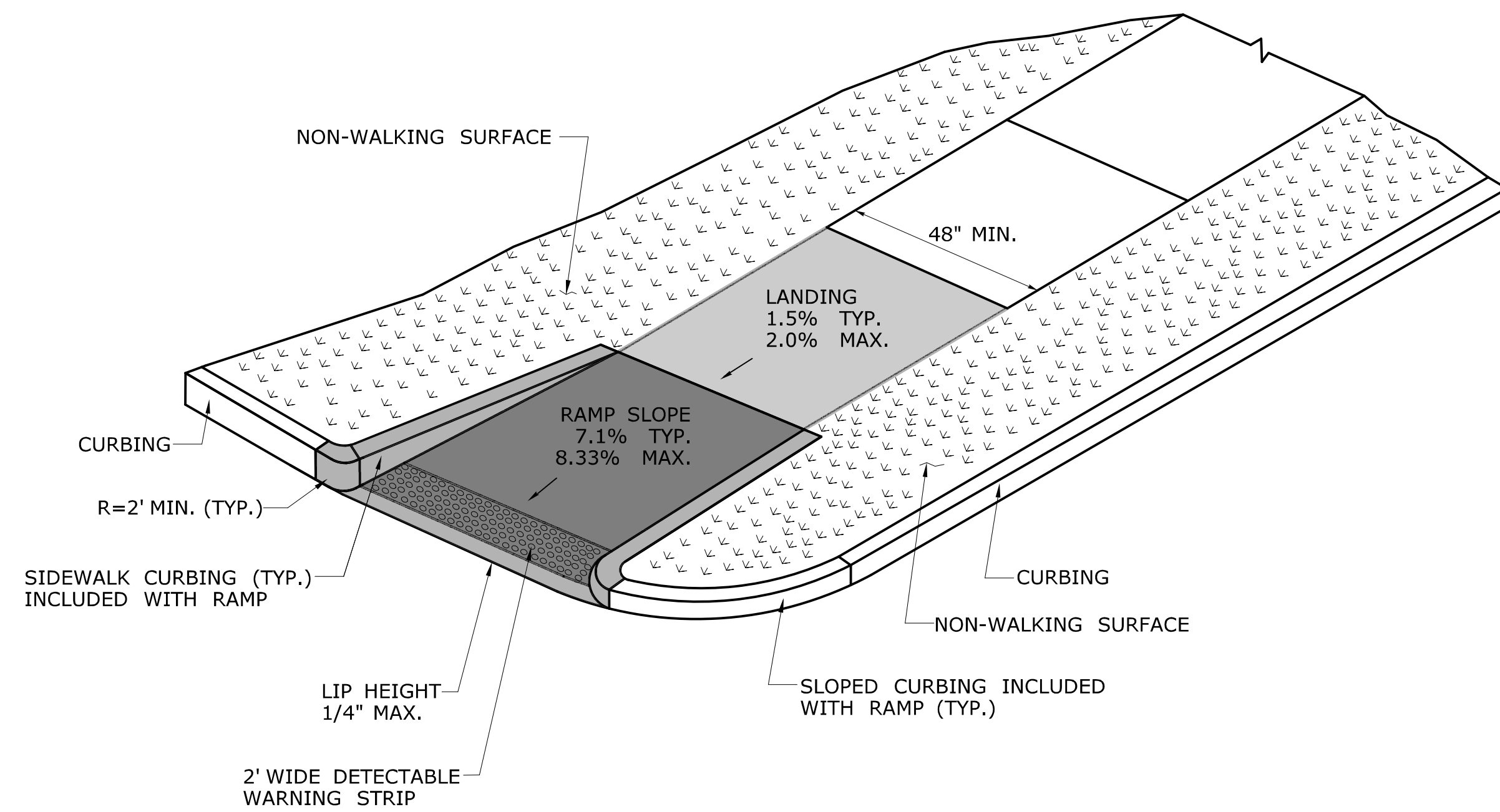
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: CHECKED BY:	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Signature/Block: _____ Approved By: _____</p>	PROJECT TITLE: TOWN:	PROJECT NO.: DRAWING NO.: SHEET NO.:
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 1/30/2019	FILENAME: ...CTDOT_HIGHWAY_GD_[1-28-19].dgn	OFFICE OF ENGINEERING		DRAWING TITLE: CONCRETE SIDEWALK RAMP SHEET 5	



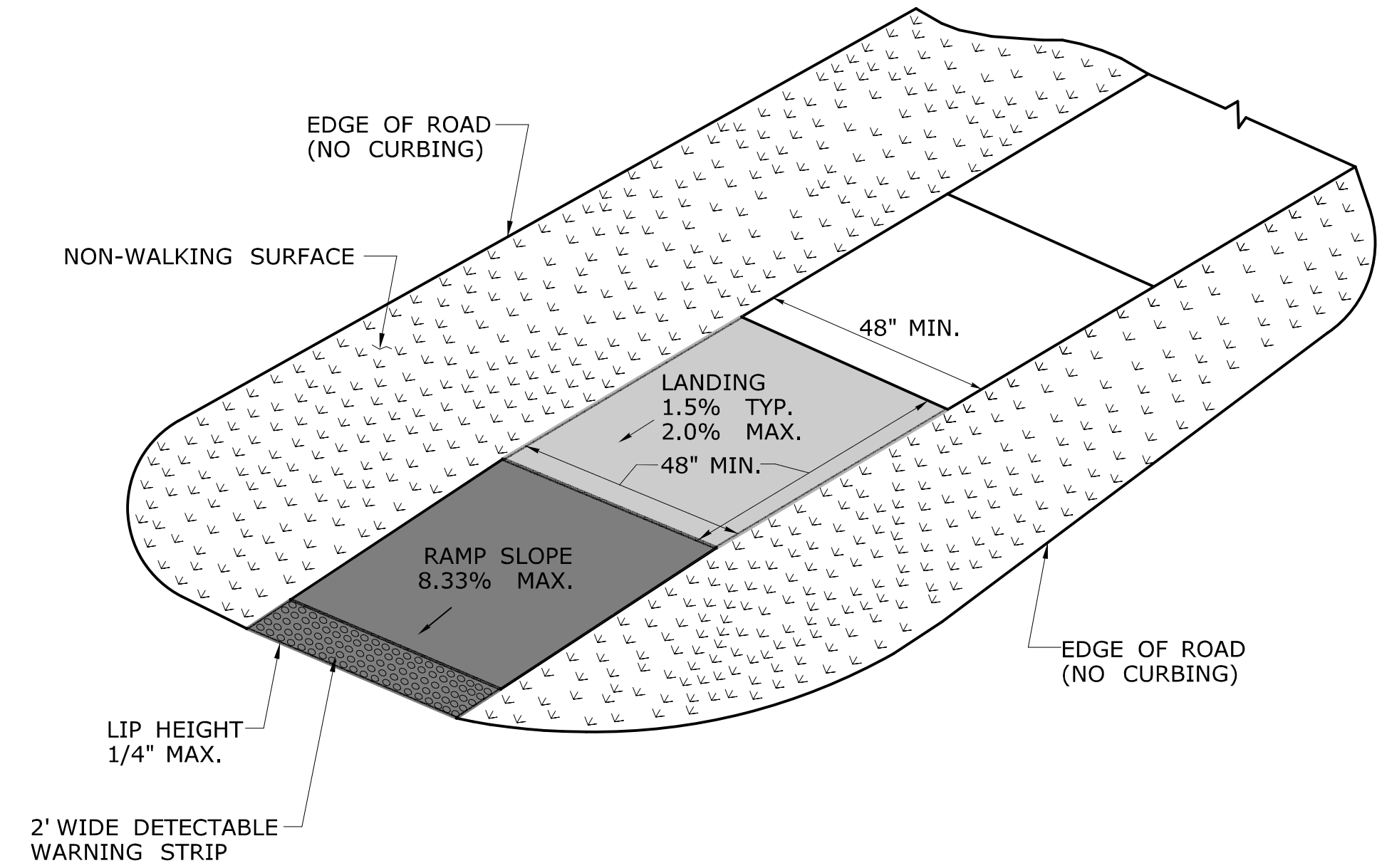
**SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK GREATER THAN 5'
(TYPE 14)**



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

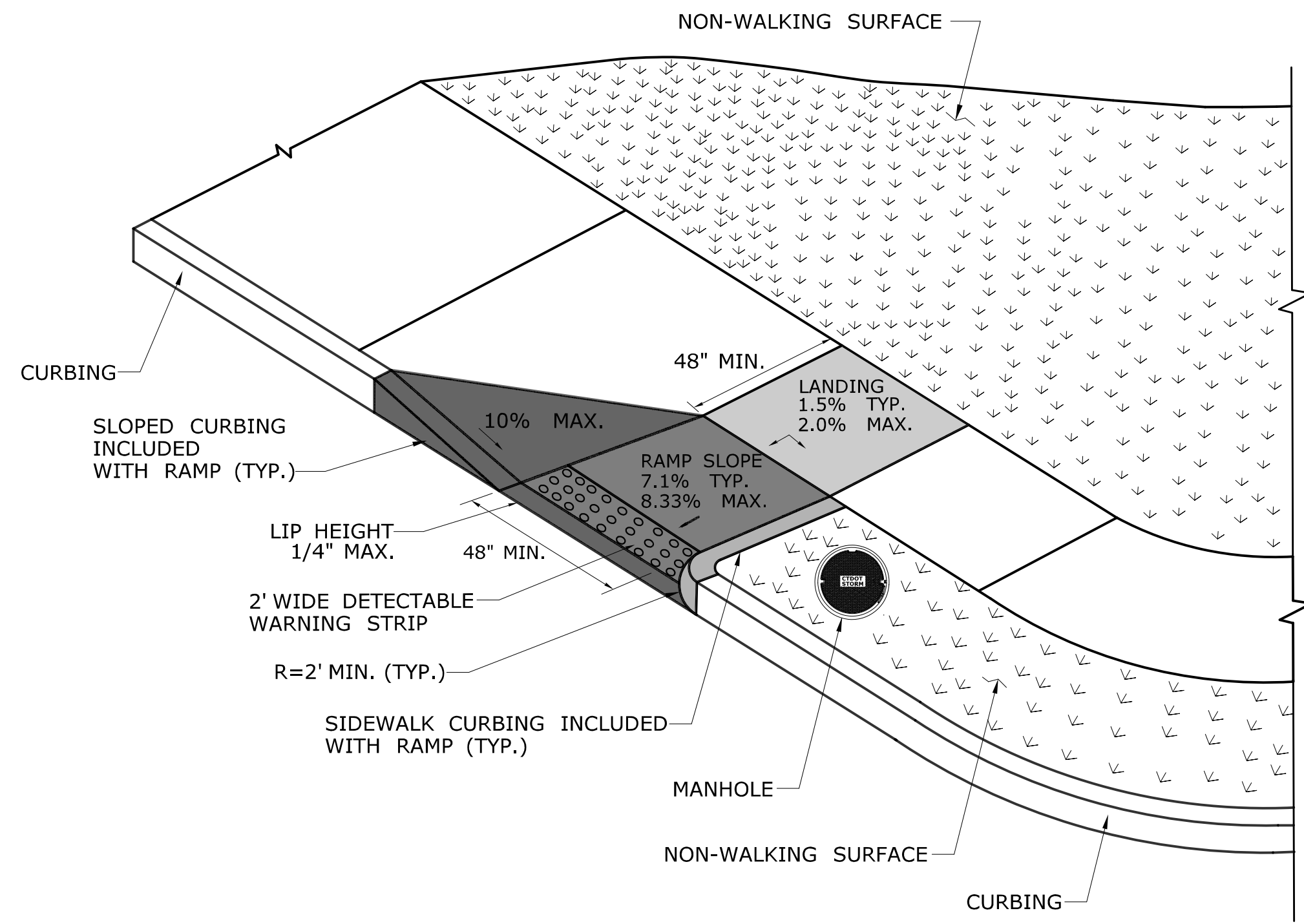


**SINGLE DIRECTION - RETURN CURB
WITH NON-WALKING SURFACE
(TYPE 16)**

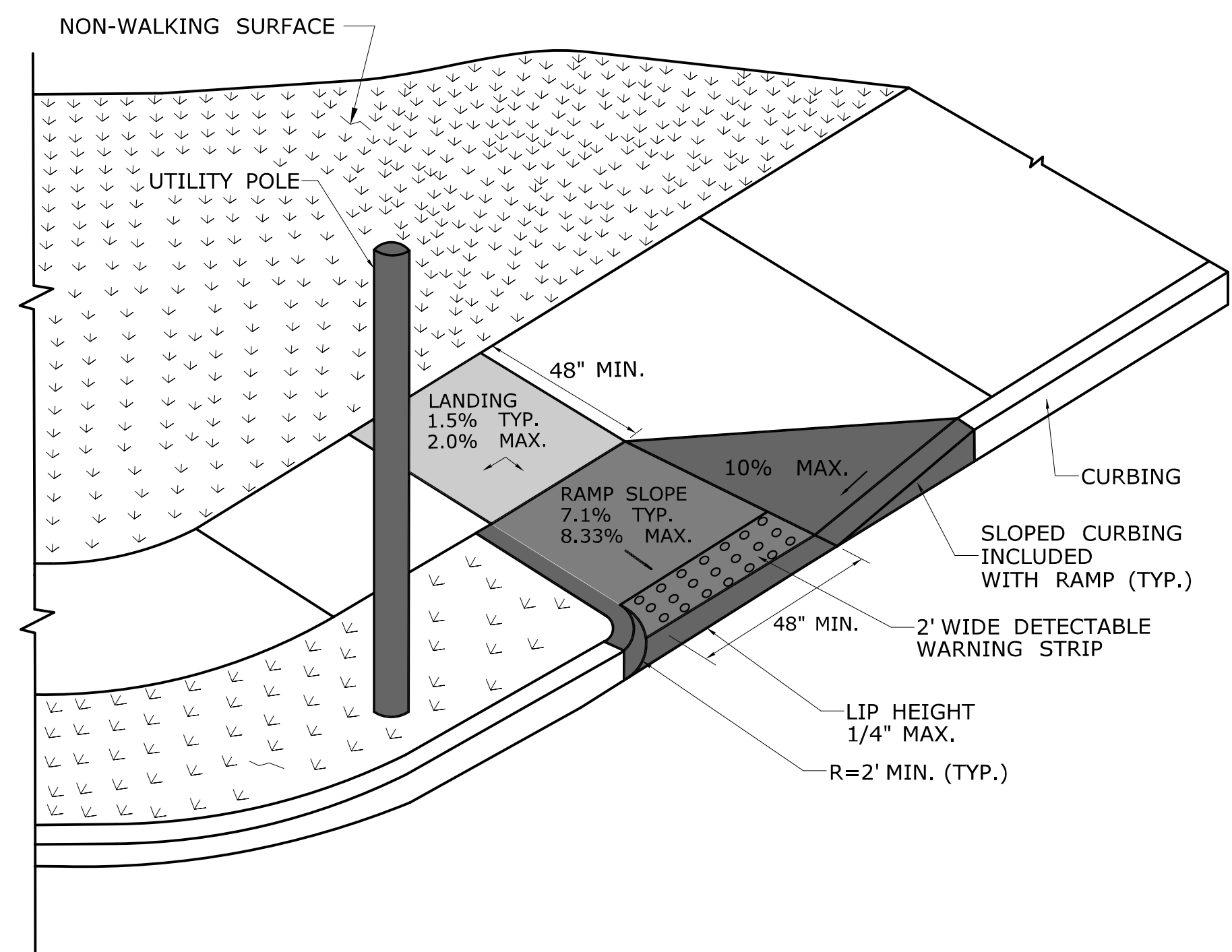


**SINGLE DIRECTION - NO CURB
WITH NON-WALKING SURFACE
(TYPE 17)**

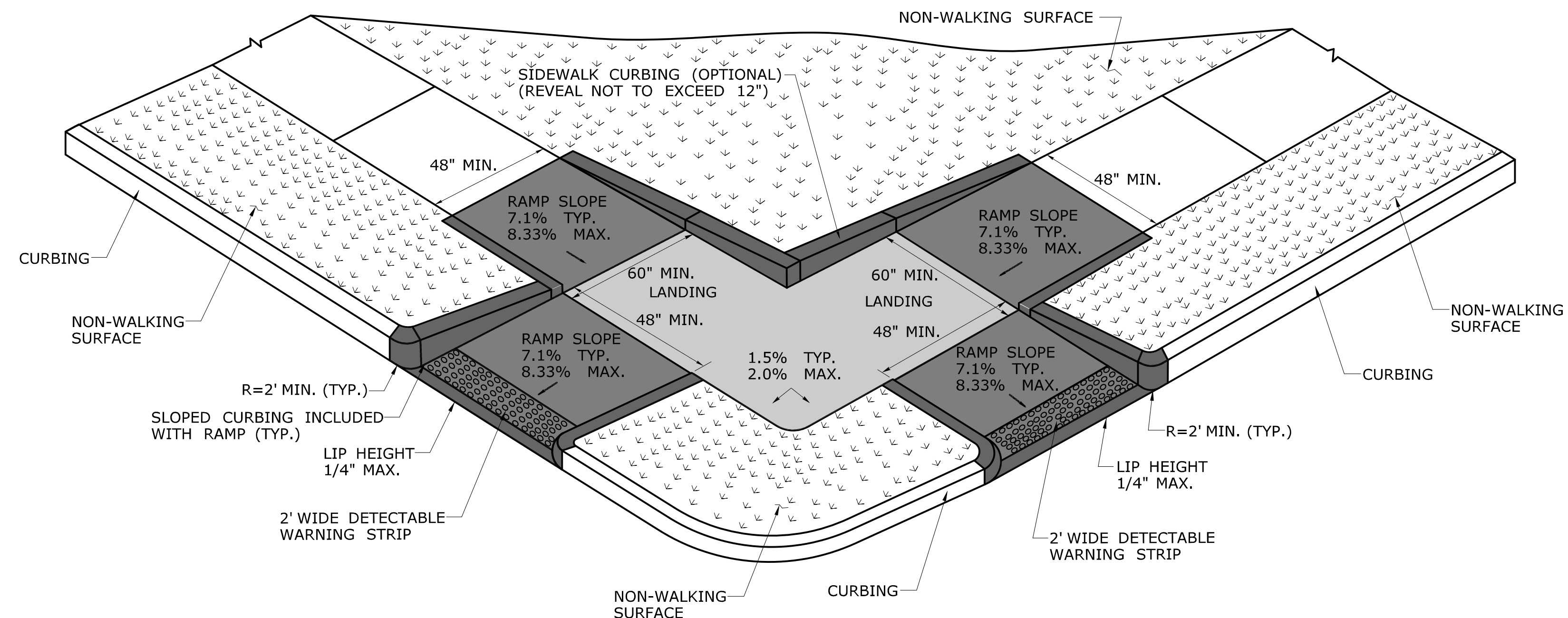
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: - CHECKED BY: -	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Signature/Block: OFFICE OF ENGINEERING Approved By: -</p>	PROJECT TITLE: - TOWN: -	PROJECT NO. - DRAWING NO. - SHEET NO. -
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 1/30/2019	Filename: ... \CTDOT_HIGHWAY_GD_[1-28-19].dgn			DRAWING TITLE: CONCRETE SIDEWALK RAMP SHEET 6	



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

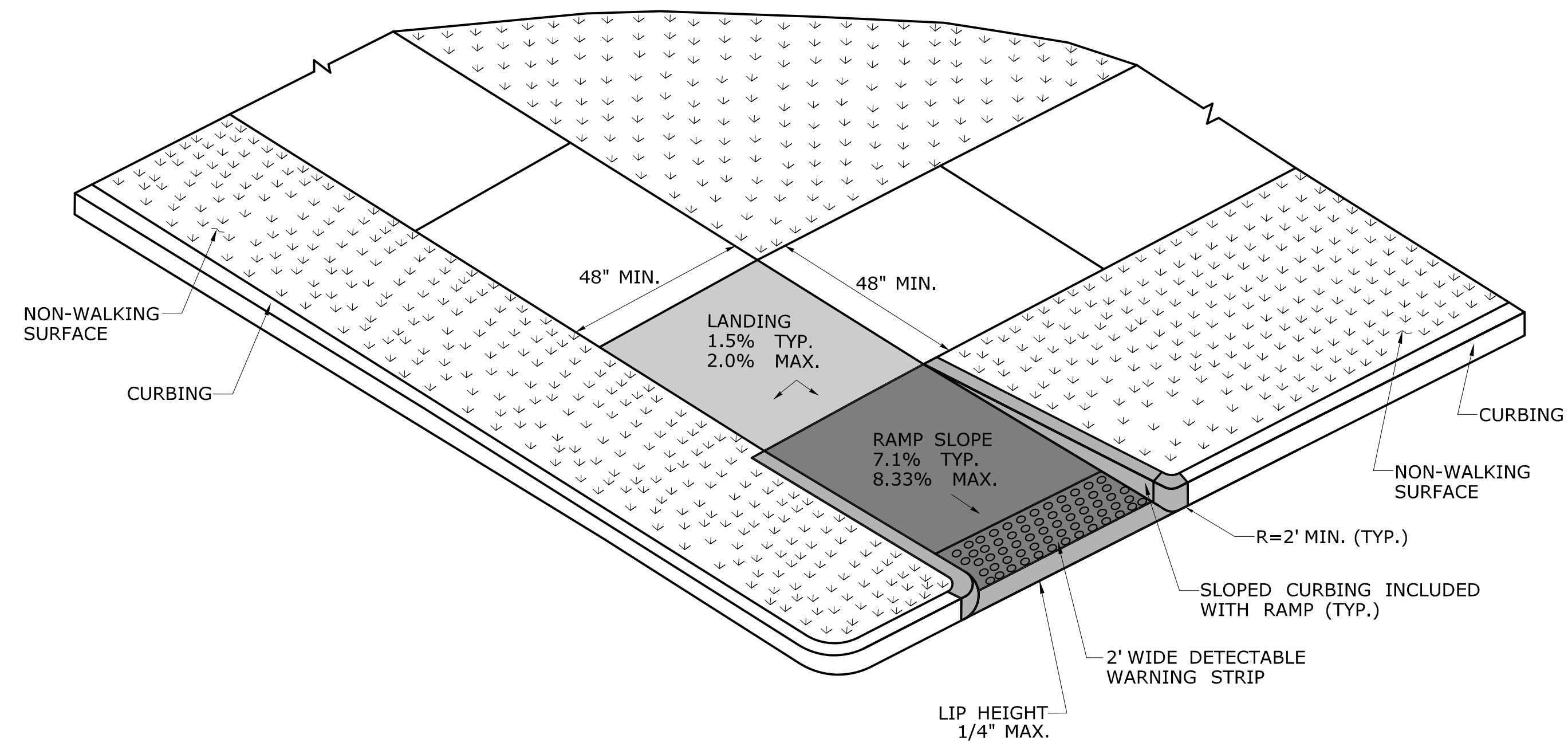


**PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 18 RIGHT)**

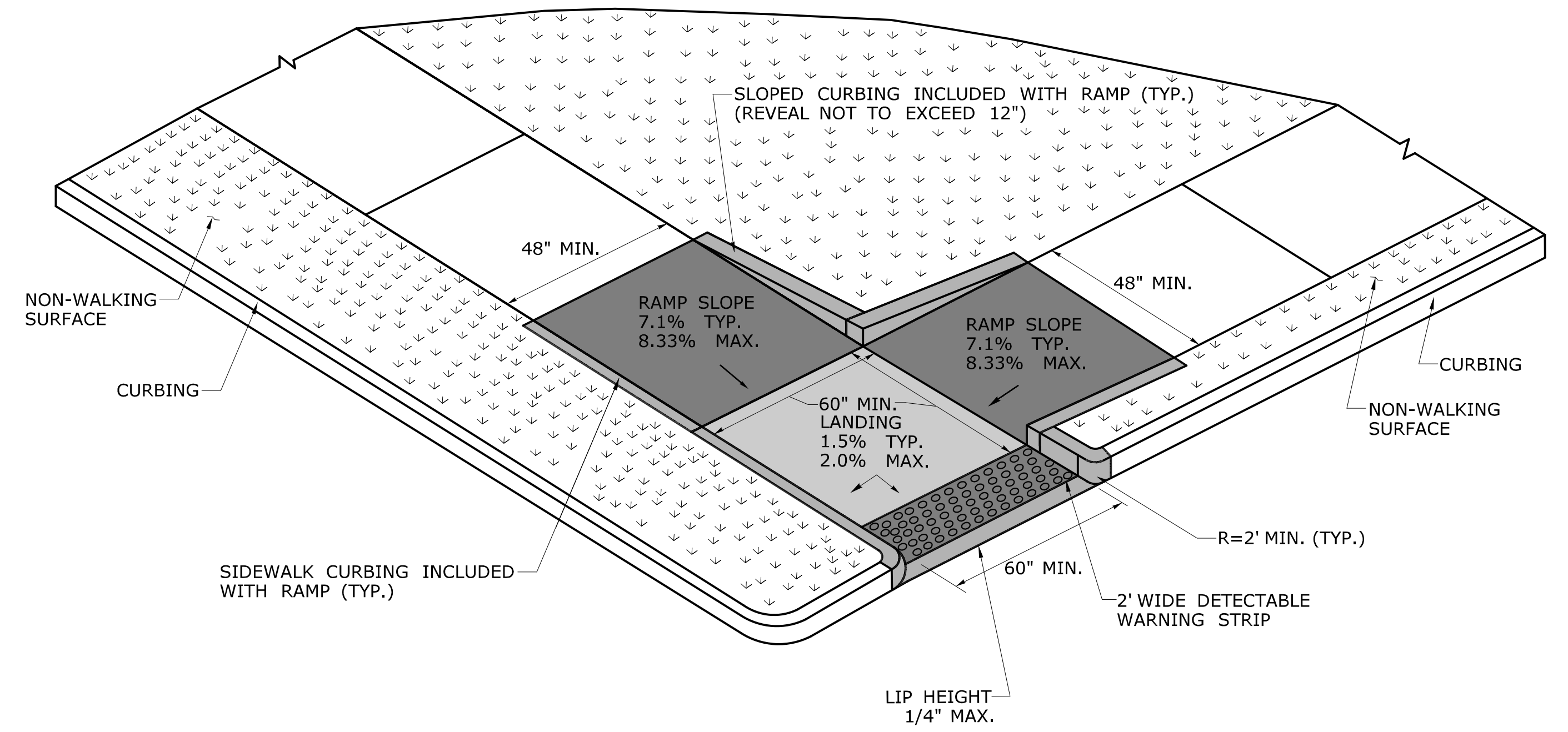


**PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 19)**

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.		DESIGNER/DRAFTER: - CHECKED BY: -	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ... \CTDOT_HIGHWAY_GD_[1-28-19].dgn</p>	SIGNATURE/BLOCK: - APPROVED BY: -	PROJECT TITLE: -	TOWN: -	PROJECT NO. - DRAWING NO. - SHEET NO. -
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 1/30/2019	<p align="center">CONCRETE SIDEWALK RAMP SHEET 7</p>						

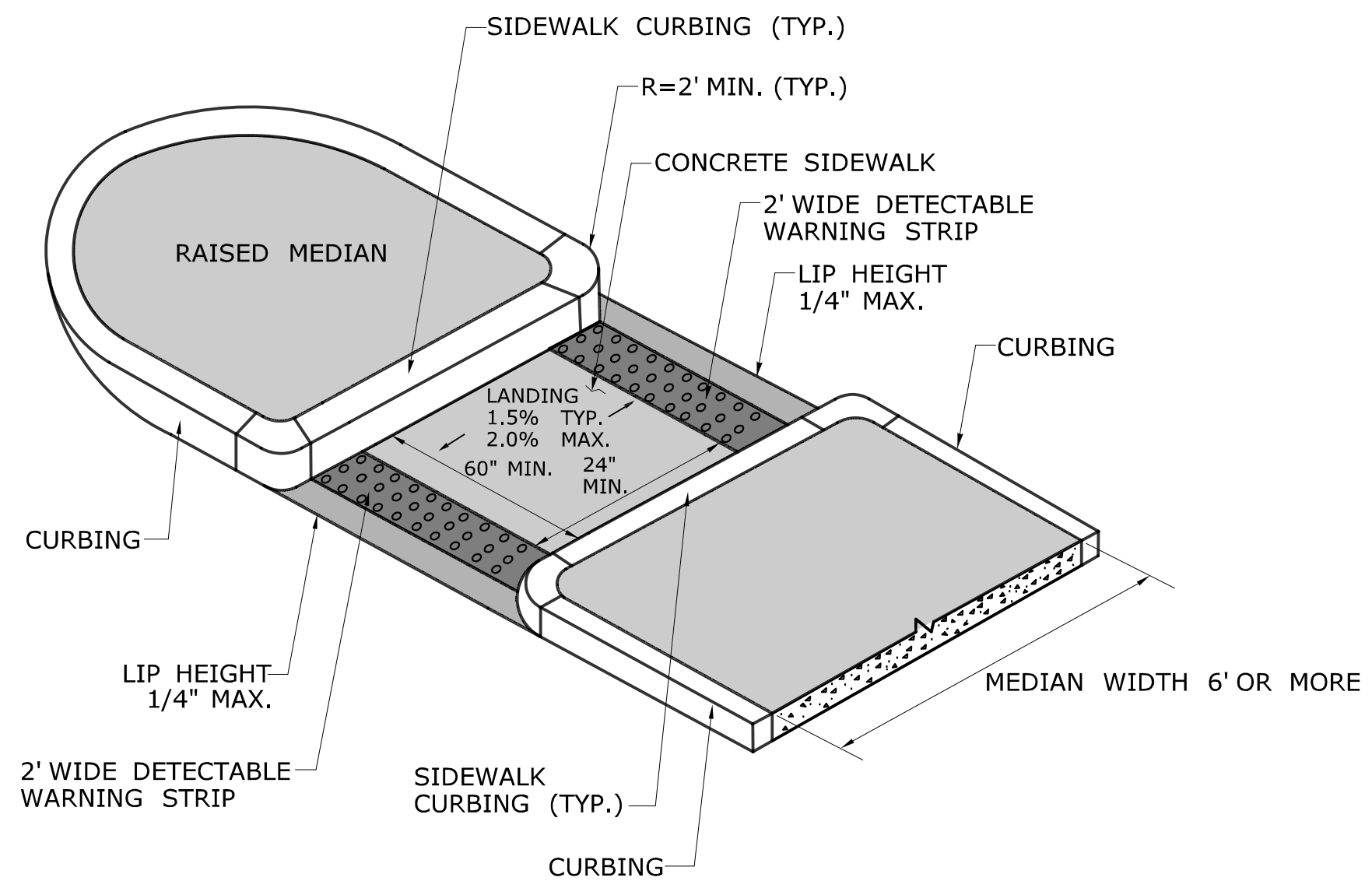


**RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP
WITH NON-WALKING SURFACE
(TYPE 20)**

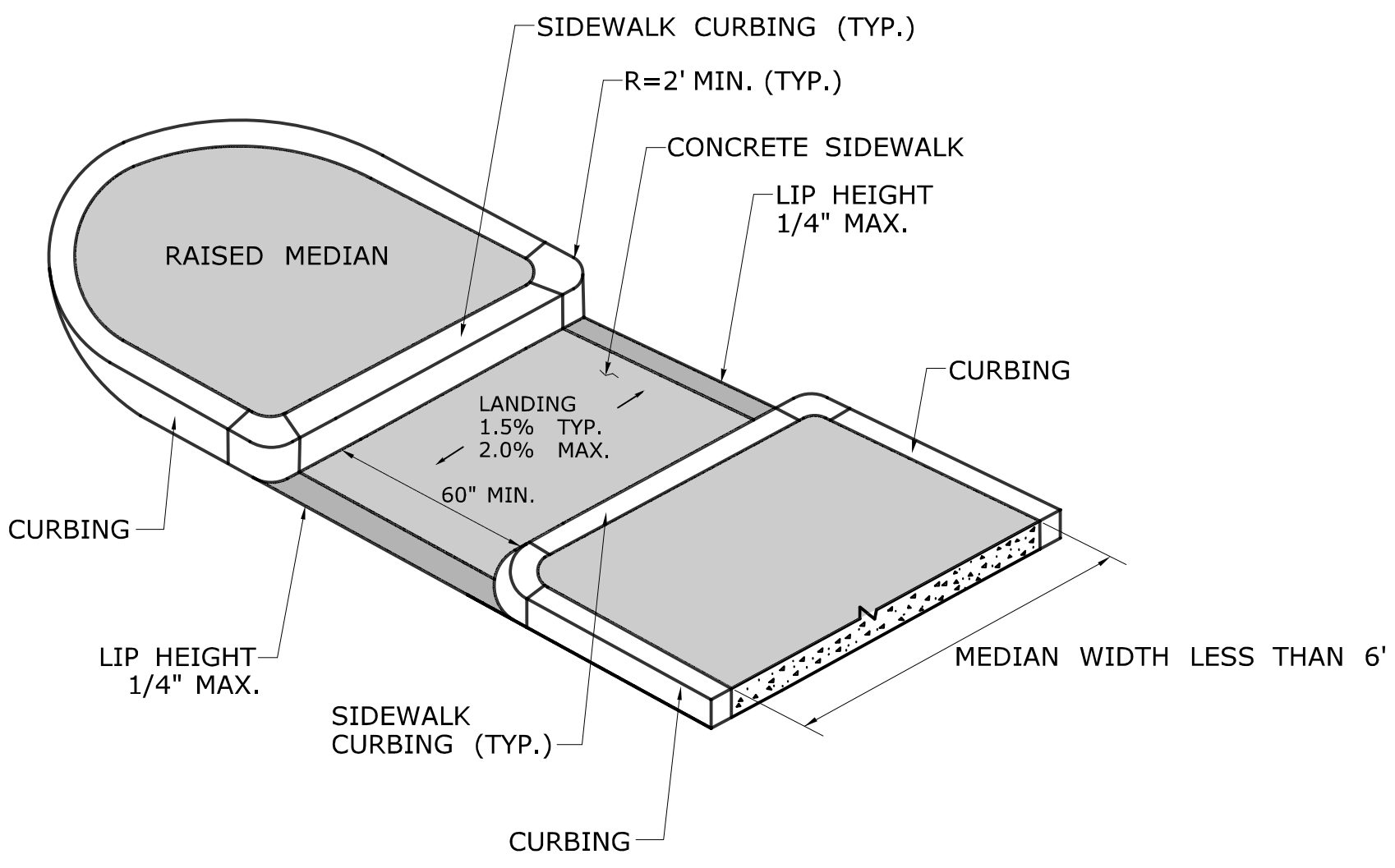


**RESTRICTED PEDESTRIAN CROSSING
WITH LANDING AT BOTTOM AND NON-WALKING SURFACE
(TYPE 21)**

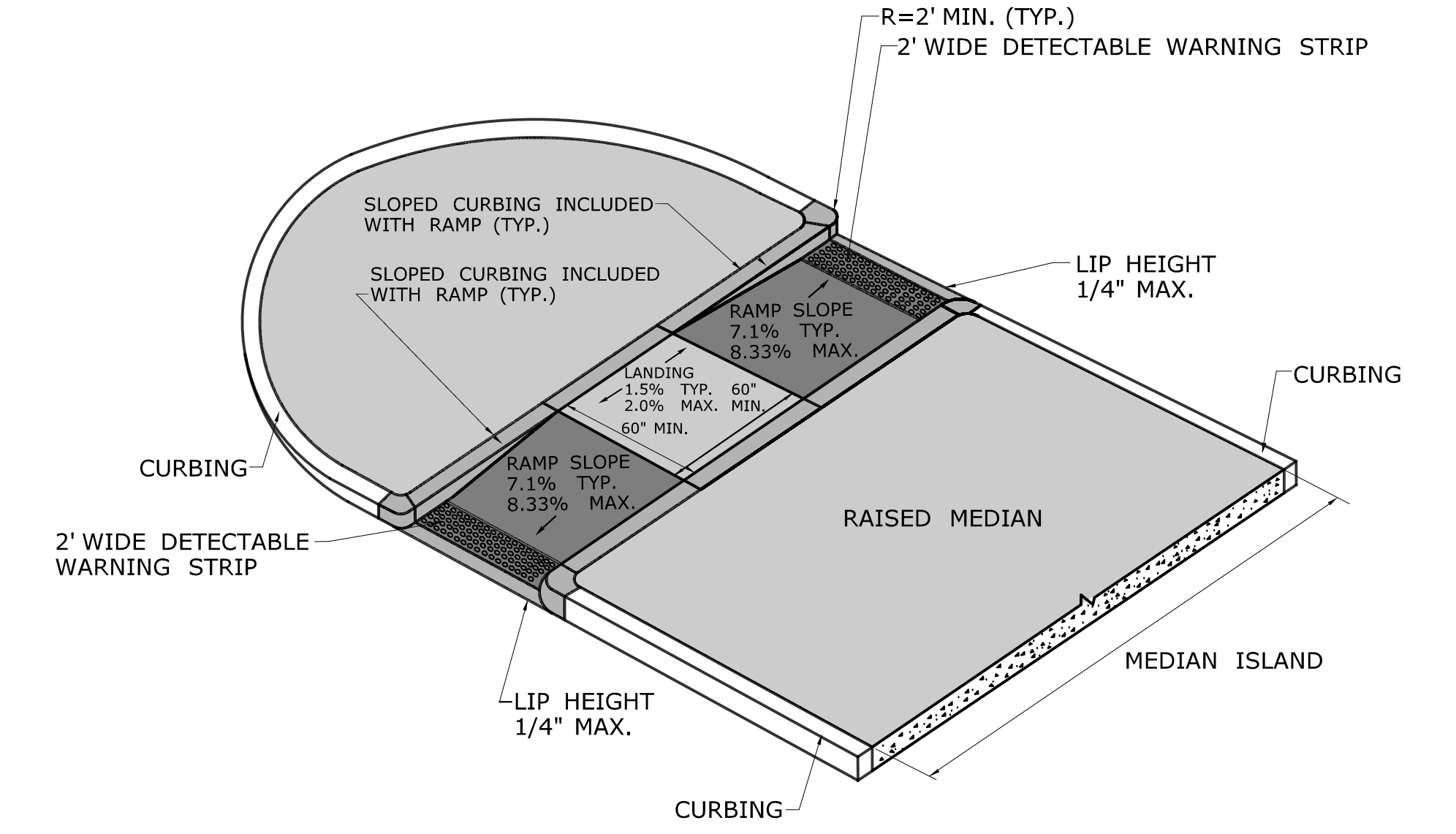
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: - CHECKED BY: -	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p> <p>Filename: ...CTDOT_HIGHWAY_GD_[1-28-19].dgn</p>	SIGNATURE/BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE: - -	TOWN: - -	PROJECT NO.: - DRAWING NO.: - SHEET NO.: -
REV. DATE REVISION DESCRIPTION SHEET NO. Plotted Date: 1/30/2019				APPROVED BY:	CONCRETE SIDEWALK RAMP SHEET 8		



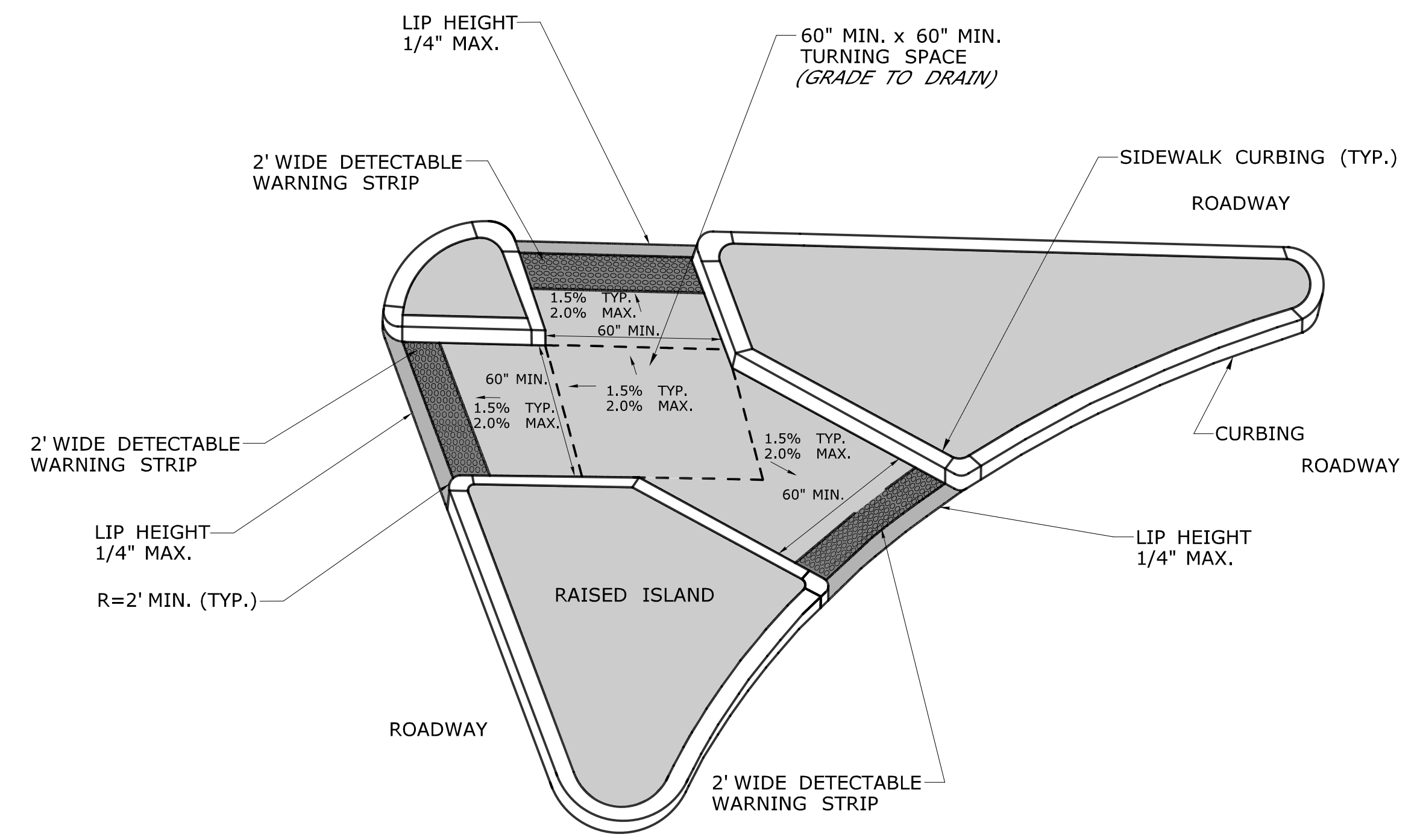
**CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH 6' OR MORE
(TYPE 22)**



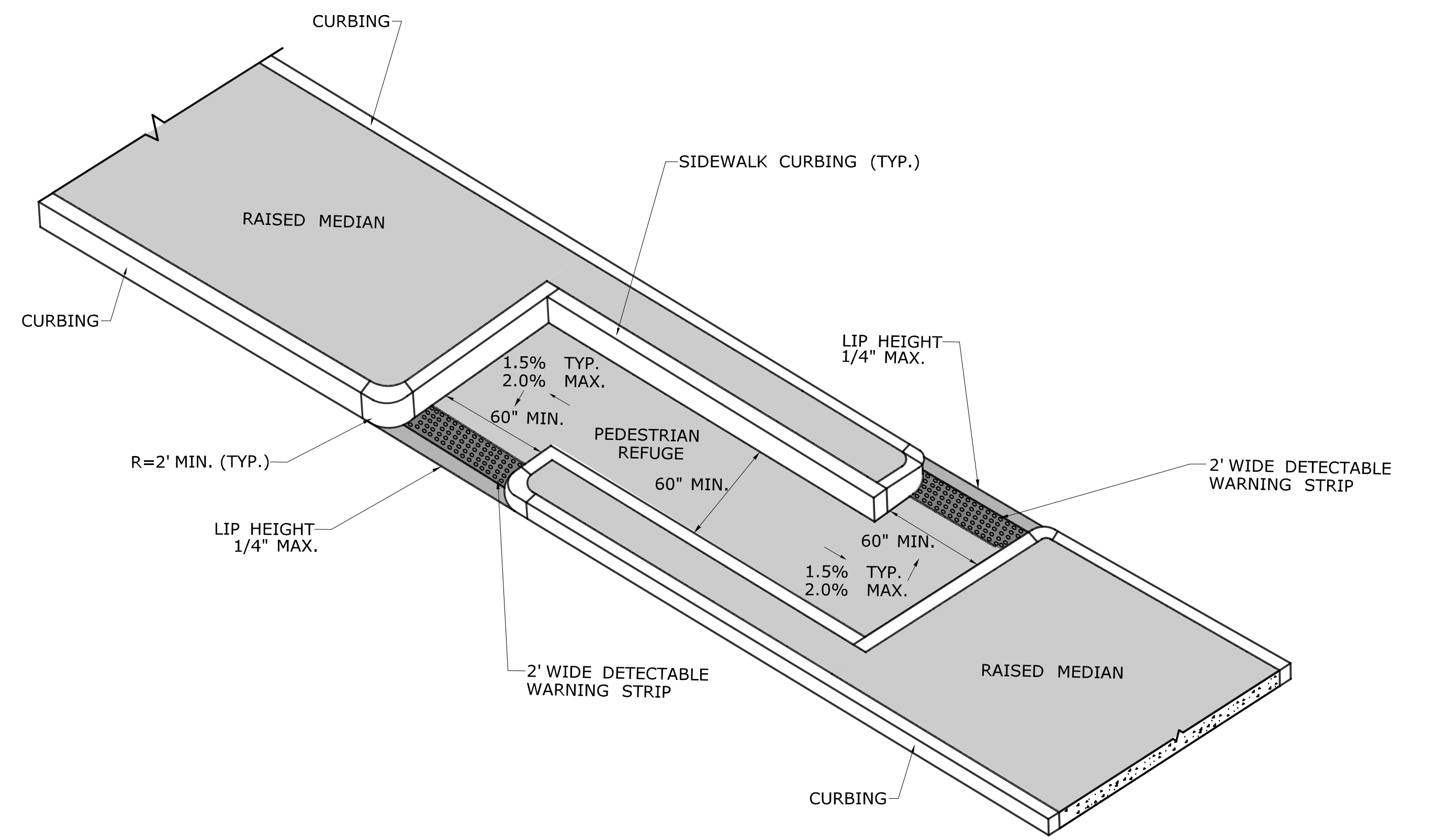
**CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH LESS THAN 6'
(TYPE 23)**



**PEDESTRIAN REFUGE ISLAND WITH LANDING AND RAMPS
(TYPE 24)**

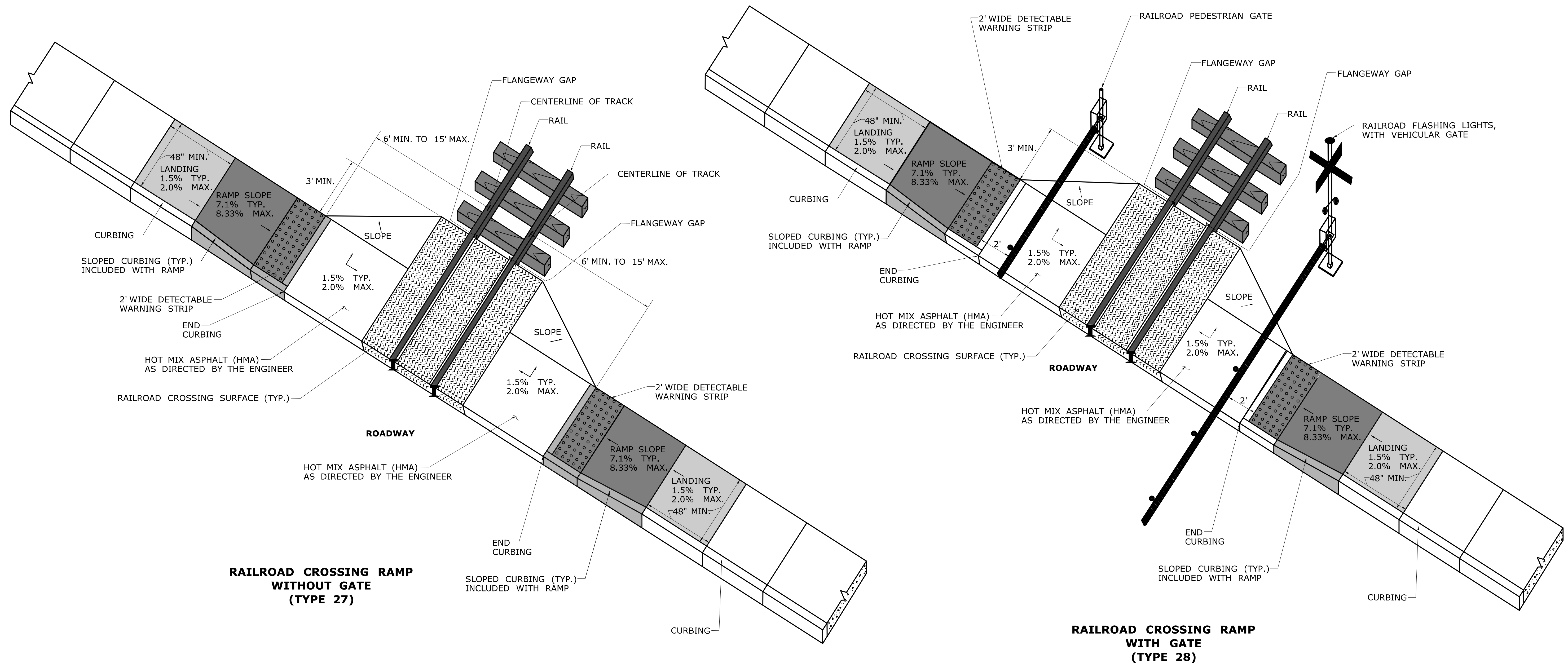


**CUT-THROUGH PEDESTRIAN REFUGE ISLAND
(TYPE 25)**



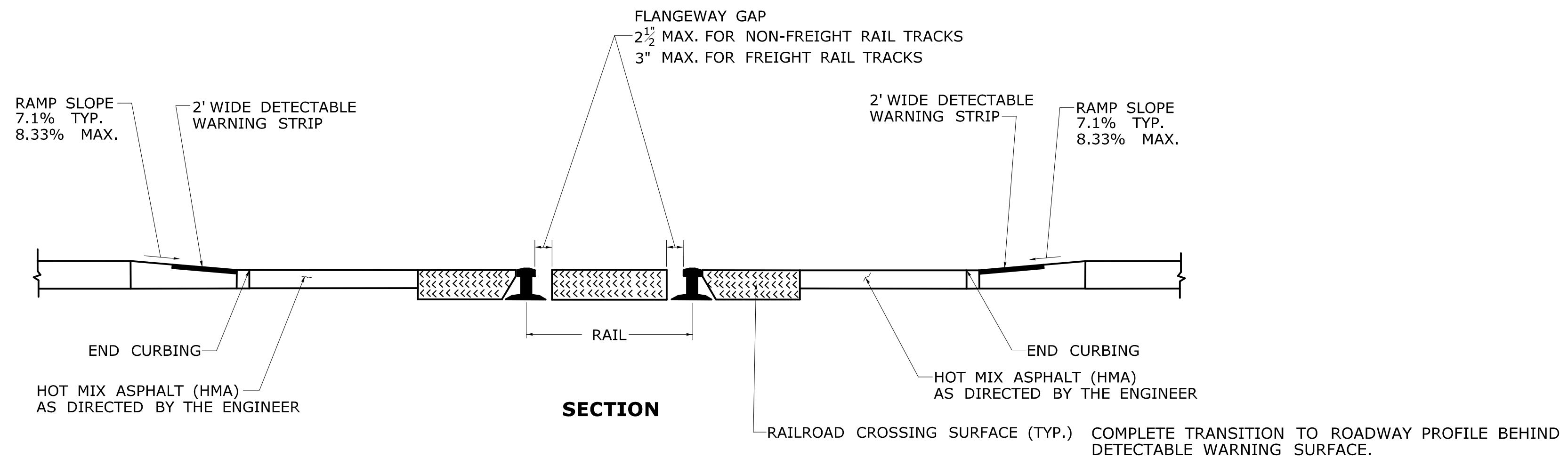
**CUT-THROUGH PEDESTRIAN REFUGE ISLAND
OFFSET CONFIGURATION
(TYPE 26)**

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



RAILROAD CROSSING RAMP WITHOUT GATE (TYPE 27)

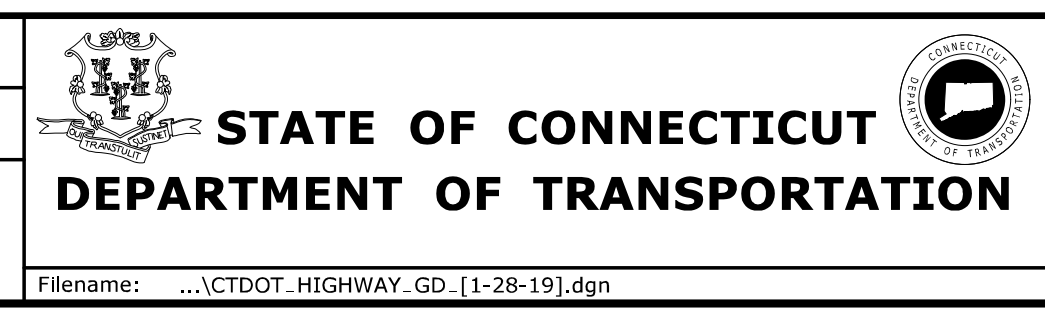
RAILROAD CROSSING RAMP WITH GATE (TYPE 28)



SECTION

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

DESIGNER/DRAFTER:
CHECKED BY:



SIGNATURE/BLOCK:
OFFICE OF ENGINEERING
APPROVED BY:

PROJECT TITLE:
TOWN:
DRAWING TITLE:
CONCRETE SIDEWALK RAMPS SHEET 10

PROJECT NO.
DRAWING NO.
SHEET NO.