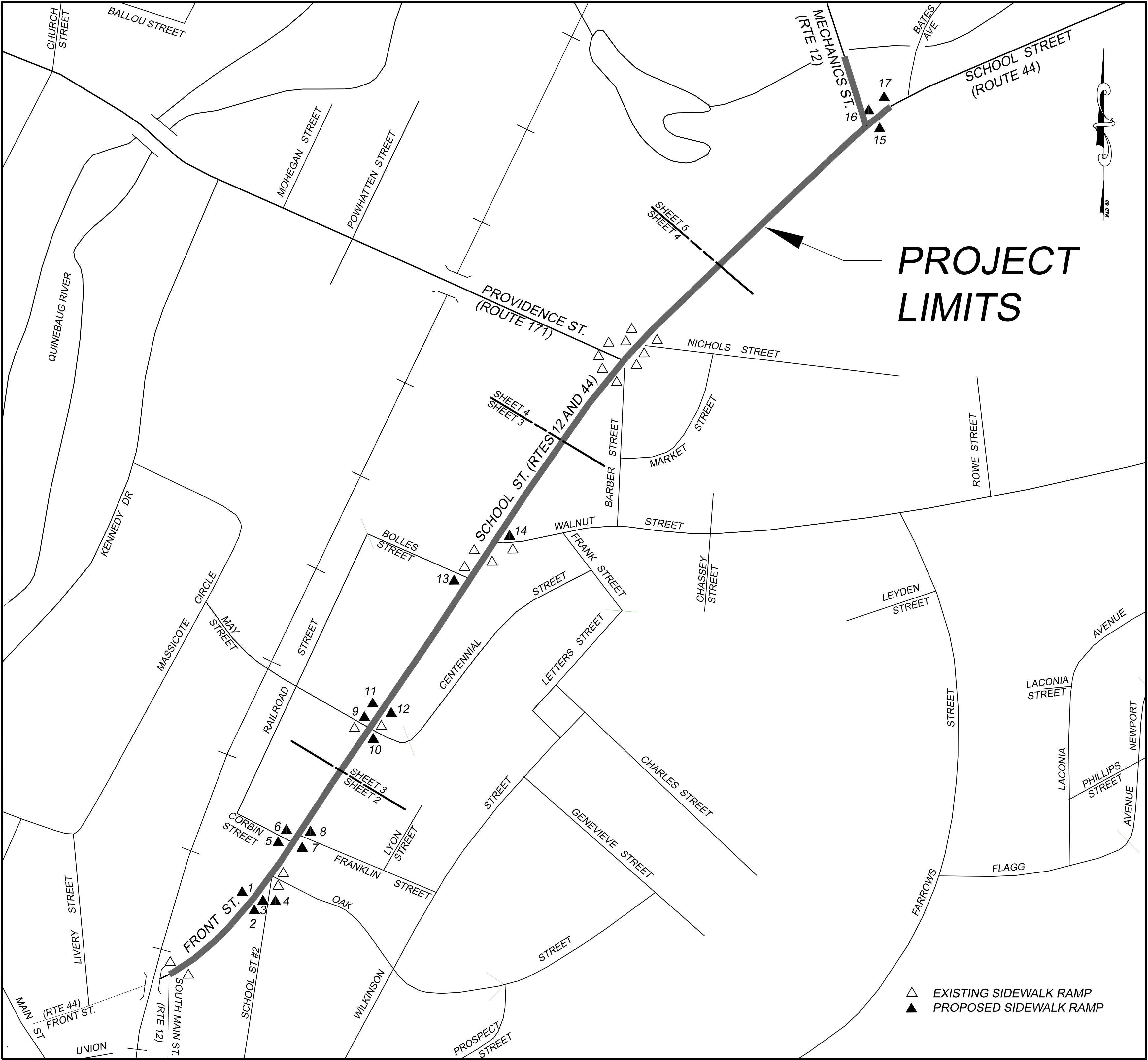


TOWN OF PUTNAM, CONNECTICUT
ROUTE 44 SIDEWALK RECONSTRUCTION
PROJECT NO. L115-0003
OCTOBER 25, 2022, REVISED THROUGH APRIL 3, 2024

INDEX OF DRAWINGS

NO.	DESCRIPTION
1	LOCATION MAP, INDEX, LEGEND
2	PLAN VIEW FRONT ST. - 142 SCHOOL ST.
3	PLAN VIEW 142 SCHOOL ST. - 231 SCHOOL ST.
4	PLAN VIEW 231 SCHOOL ST. - 296 SCHOOL ST.
5	PLAN VIEW 296 SCHOOL ST. - BATES AVE.
6	SIDEWALK DETAILS AND CONSTRUCTION NOTES
UNNUMBERED	CONNDOT, SIDEWALK RAMPS, SHEET 1
UNNUMBERED	CONNDOT, SIDEWALK RAMPS, SHEET 2
UNNUMBERED	CONNDOT, SIDEWALK RAMPS, SHEET 3
UNNUMBERED	CONNDOT, SIDEWALK RAMPS, SHEET 4
UNNUMBERED	CONNDOT, SIDEWALK RAMPS, SHEET 6
HW-921_01	CONNDOT, CONCRETE SIDEWALKS
HW-924_01	CONNDOT, CONCRETE DRIVEWAY RAMPS
TR-1208_01	CONNDOT, SIGN PLACEMENT AND RETROFELFECTIVE STRIP DETAILS
TR-1208_02	CONNDOT, METAL SIGNPOSTS AND SIGN MOUNTING DETAILS
TR-1220_01	CONNDOT, SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS
TR-1220_02	CONNDOT, CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES
UNNUMBERED	CONNDOT, ENCROACHMENT PERMIT - PAVEMENT REPAIR



LOCATION MAP WITH SIDEWALK RAMP LOCATIONS

1" = 200'

J & D CIVIL ENGINEERS, LLC

401 RAVENELLE ROAD
THOMPSON, CT 06255

PHONE: 860-923-2920
JDCIVILENGINEERS.COM

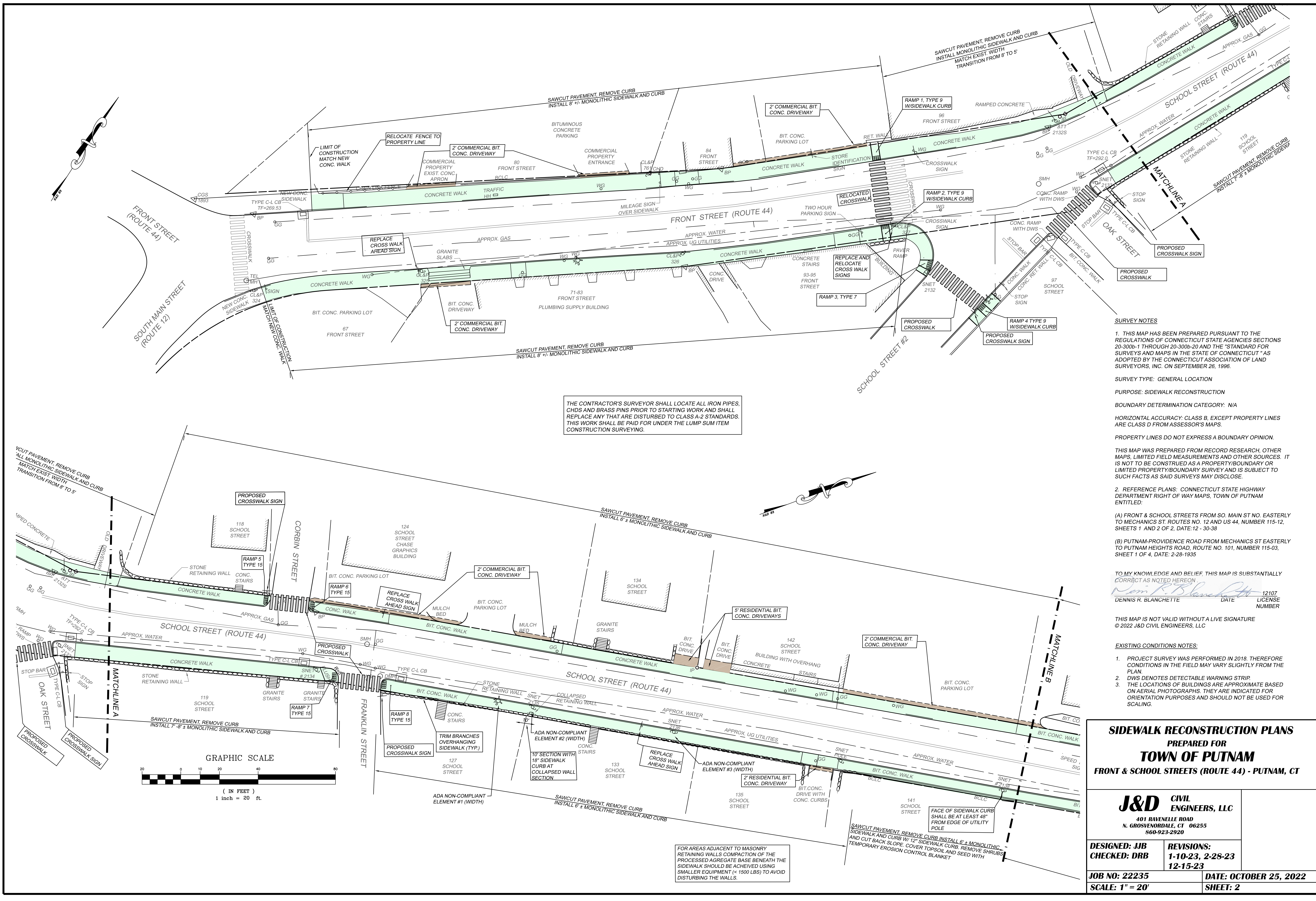
LEGEND

- EXISTING CONTOUR
- STONE WALL
- CB CATCHBASIN
- DMH DRAINAGE MANHOLE
- GG GAS GATE
- HYDRANT
- WG WATER GATE
- SMH SANITARY MANHOLE
- LP LIGHT POLE
- UTILITY POLE
- TELEPHONE MANHOLE
- BP BRASS PIN
- MONUMENT
- STOP SIGN
- DWS DETECTABLE WARNING STRIP
- EXISTING SIDEWALK RAMP
- PROPOSED SIDEWALK RAMP

CONNDOT STANDARD SPECS FOR ROADS, BRIDGES, FACILITIES & INCIDENTAL CONSTRUCTION, FORM 818, DATED 2020 WITH SUPPLEMENTS THROUGH JULY 2022 SHALL GOVERN.

BEGINNING AT SOUTH MAIN STREET, ENDING AT BATES AVENUE
PROJECT LENGTH = 3700' ±

TOWN ADMINISTRATOR: ELAINE SISTARE
MAYOR: BARNEY SENEY



THE CONTRACTOR'S SURVEYOR SHALL LOCATE ALL IRON PIPES, CHDS AND BRASS PINS PRIOR TO STARTING WORK AND SHALL REPLACE ANY THAT ARE DISTURBED TO CLASS A-2 STANDARDS. THIS WORK SHALL BE PAID FOR UNDER THE LUMP SUM ITEM CONSTRUCTION SURVEYING.

SURVEY NOTES
1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

SURVEY TYPE: GENERAL LOCATION
PURPOSE: SIDEWALK RECONSTRUCTION
BOUNDARY DETERMINATION CATEGORY: N/A
HORIZONTAL ACCURACY: CLASS B, EXCEPT PROPERTY LINES ARE CLASS D FROM ASSESSOR'S MAPS.
PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE.

2. REFERENCE PLANS: CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAPS, TOWN OF PUTNAM ENTITLED:

(A) FRONT & SCHOOL STREETS FROM SO. MAIN ST. NO. EASTERLY TO MECHANICS ST. ROUTES NO. 12 AND US 44, NUMBER 115-12, SHEETS 1 AND 2 OF 2, DATE: 12-30-38

(B) PUTNAM-PROVIDENCE ROAD FROM MECHANICS ST. EASTERLY TO PUTNAM HEIGHTS ROAD, ROUTE NO. 101, NUMBER 115-03, SHEET 1 OF 4, DATE: 2-28-1935

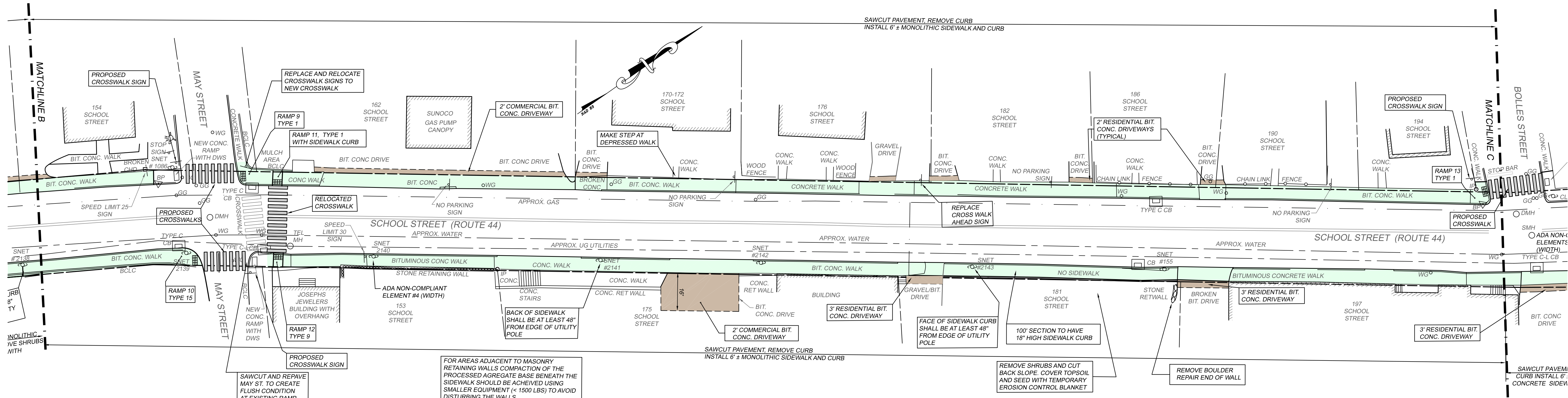
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON
Dennis R. Blanchette 12107
DENNIS R. BLANCHETTE DATE LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2022 J&D CIVIL ENGINEERS, LLC

EXISTING CONDITIONS NOTES:
1. PROJECT SURVEY WAS PERFORMED IN 2018. THEREFORE CONDITIONS IN THE FIELD MAY VARY SLIGHTLY FROM THE PLAN.
2. DWS DENOTES DETECTABLE WARNING STRIP.
3. THE LOCATIONS OF BUILDINGS ARE APPROXIMATE BASED ON AERIAL PHOTOGRAPHS. THEY ARE INDICATED FOR ORIENTATION PURPOSES AND SHOULD NOT BE USED FOR SCALING.

SIDEWALK RECONSTRUCTION PLANS
PREPARED FOR
TOWN OF PUTNAM
FRONT & SCHOOL STREETS (ROUTE 44) - PUTNAM, CT

J&D CIVIL ENGINEERS, LLC 401 RAVENELLE ROAD N. GROSVENORDALE, CT 06255 860-923-2920	
DESIGNED: JJB CHECKED: DRB	REVISIONS: 1-10-23, 2-28-23 12-15-23
JOB NO: 22235	DATE: OCTOBER 25, 2022
SCALE: 1" = 20'	SHEET: 2



THE CONTRACTOR'S SURVEYOR SHALL LOCATE ALL IRON PIPES, CHDS AND BRASS PINS PRIOR TO STARTING WORK AND SHALL REPLACE ANY THAT ARE DISTURBED TO CLASS A-2 STANDARDS. THIS WORK SHALL BE PAID FOR UNDER THE LUMP SUM ITEM CONSTRUCTION SURVEYING.

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SURVEY TYPE: GENERAL LOCATION

PURPOSE: SIDEWALK RECONSTRUCTION

BOUNDARY DETERMINATION CATEGORY: N/A

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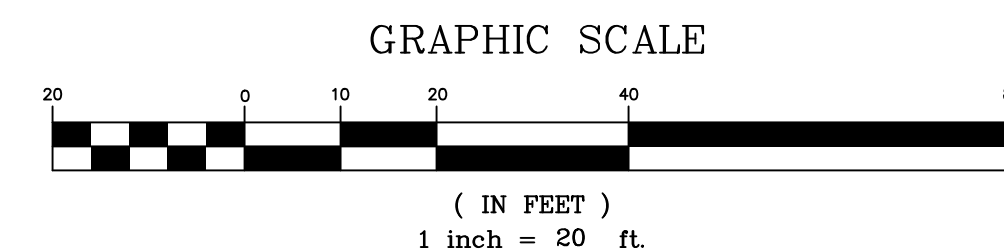
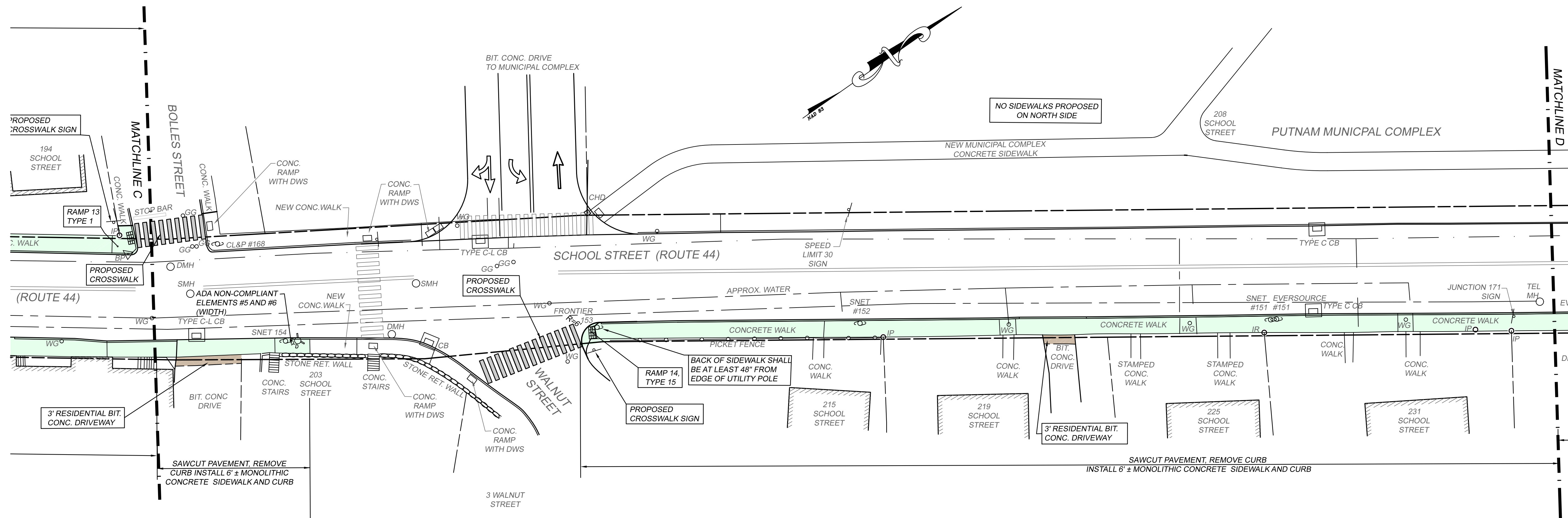
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

DENNIS R. BLANCHETTE DATE 12/07/2022 LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE
© 2022 J&D CIVIL ENGINEERS, LLC

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- DWS DENOTES DETECTABLE WARNING STRIP.
- THE LOCATIONS OF BUILDINGS ARE APPROXIMATE BASED ON AERIAL PHOTOGRAPHS. THEY ARE INDICATED FOR ORIENTATION PURPOSES AND SHOULD NOT BE USED FOR SCALING.



SIDEWALK RECONSTRUCTION PLANS PREPARED FOR TOWN OF PUTNAM FRONT & SCHOOL STREETS (ROUTE 44) - PUTNAM, CT

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB
CHECKED: DRB

REVISIONS:
2-28-23

JOB NO: 22235
SCALE: 1" = 20'

DATE: OCTOBER 25, 2022
SHEET: 3

SURVEY NOTES

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(B) PUTNAM-PROVIDENCE ROAD FROM MECHANICS ST EASTERLY TO PUTNAM HEIGHTS ROAD, ROUTE NO. 101, NUMBER 115-03, SHEET 1 OF 4, DATE: 2-28-1935

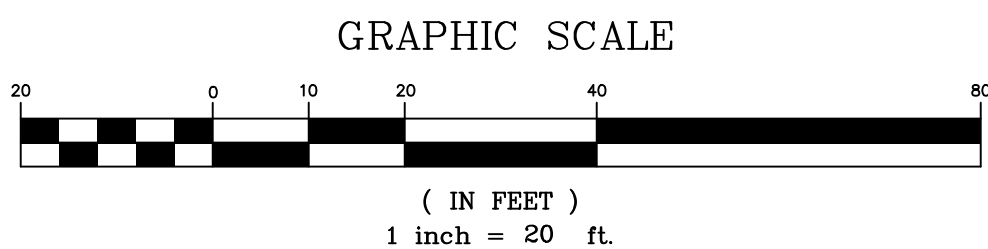
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

DENNIS R. BLANCHETTE DATE 12/07/2022 LICENSE NUMBER 12107

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SIDEWALK RECONSTRUCTION PLANS
PREPARED FOR
TOWN OF PUTNAM
FRONT & SCHOOL STREETS (ROUTE 44) - PUTNAM, CT

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860-923-2920

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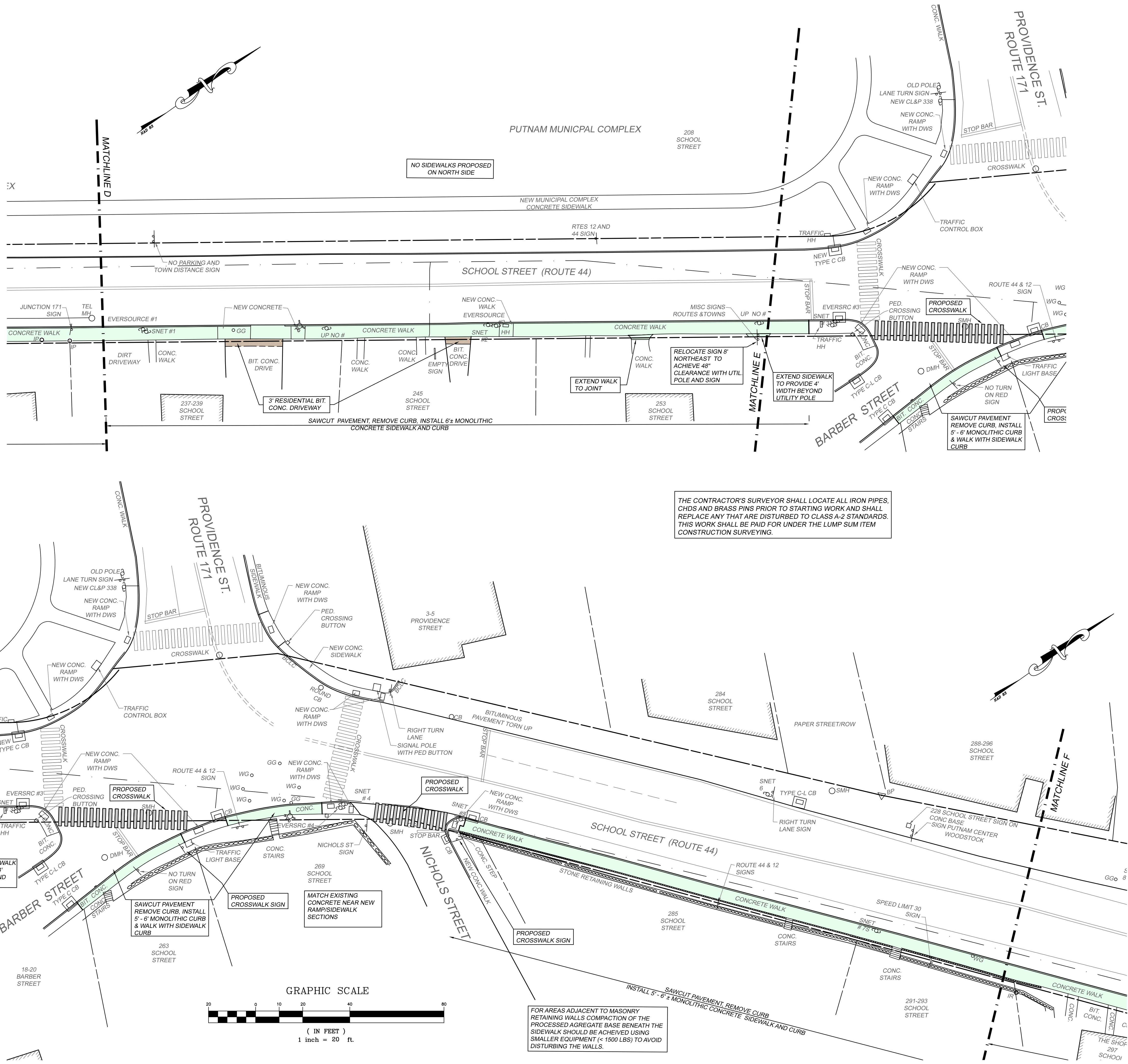
REVISIONS:
2-28-23

JOB NO: 22235

SCALE: 1" = 20'

DATE: OCTOBER 25, 2022

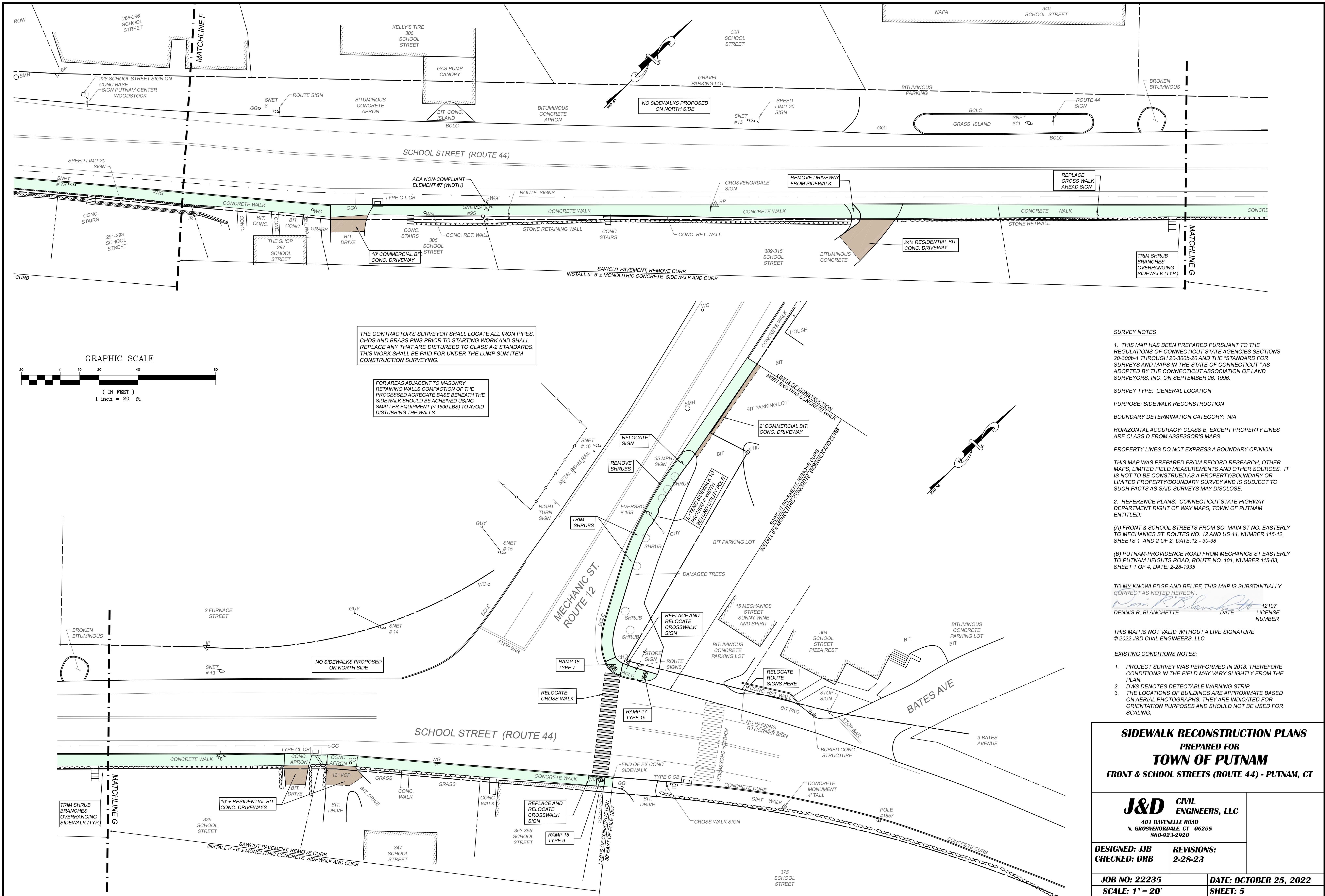
SHEET: 4



THE CONTRACTOR'S SURVEYOR SHALL LOCATE ALL IRON PIPES, CHDS AND BRASS PINS PRIOR TO STARTING WORK AND SHALL REPLACE ANY THAT ARE DISTURBED TO CLASS A-2 STANDARDS. THIS WORK SHALL BE PAID FOR UNDER THE LUMP SUM ITEM CONSTRUCTION SURVEYING.

FOR AREAS ADJACENT TO MASONRY RETAINING WALLS COMPACTION OF THE PROCESSED AGGREGATE BASE BENEATH THE SIDEWALK SHOULD BE ACHIEVED USING SMALLER EQUIPMENT (< 1500 LBS) TO AVOID DISTURBING THE WALLS.

22235 School St sidewalks 2023-02-28 dwg Sheet 5 2/28/2023 11:08:36



SURVEY NOTES

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Dennis R. Blanchette 12107
DENNIS R. BLANCHETTE DATE LICENSE
NUMBER

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SIDEWALK RECONSTRUCTION PLANS
PREPARED FOR
TOWN OF PUTNAM
FRONT & SCHOOL STREETS (ROUTE 44) - PUTNAM, CT

J&D CIVIL
ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: JJB
CHECKED: DRB

REVISIONS:
2-28-23

JOB NO: 22235

DATE: OCTOBER 25, 2022

SCALE: 1" = 20'

SHEET: 5



1. SILT SOCK MANUFACTURER SHALL BE SILT SOXX OR ENGINEER APPROVED EQUAL
2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS
3. SEDIMENT SILT SOCK TO BE FILLED WITH LEAF COMPOST AND/OR WOODY MULCH PER MANUFACTURER'S REQUIREMENTS.
4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL SHALL BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE ENGINEER.

SILT SOCK DETAIL
NOT TO SCALE

- CONSTRUCTION NOTES:

1. EXISTING SIDEWALKS AND CURB TO BE REMOVED AND DISPOSED OF IN A APPROPRIATE MANNER. NEW MONOLITHIC SIDEWALKS AND CURBING ARE TO BE CONSTRUCTED PER THE DETAIL ON THIS SHEET.
2. ALL DISTURBED AREAS NOT SCHEDULED FOR PAVEMENT OR CONCRETE WALKS SHALL BE PERMANENTLY ESTABLISHED AS TURF, UNLESS OTHERWISE NOTED ON THE PLANS.
3. THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES AND CONTACT "CALL BEFORE YOU DIG" AT (860) 922-4455 AND OBTAIN ALL APPLICABLE PERMITS, PRIOR TO ANY EXCAVATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING TO GRADE ALL GATE BOXES, CURB STEP BOXES, MANHOLE FRAME AND CATCH BASIN FRAMES THAT ARE DIRECTLY AFFECTED BY CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 24-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTACT INFORMATION IS AS FOLLOWS:

WATER	GAS
PUTNAM WATER POLLUTION CONTROL AUTHORITY 200 SCHOOL STREET PUTNAM, CT 06260 (860) 963 - 6800 X252	EVERSOURCE ENERGY 1 COMMERCE AVE DANIELSON, CT 06239 (888) 544 - 4826
ELECTRIC	TELEPHONE
EVERSOURCE ENERGY (888) 544 - 4826	FRONTIER COMMUNICATIONS 134 CLUB ROAD NO. WINDHAM , CT 06256 (860) 450 -2793

6. THE CONTRACTOR SHALL VERIFY AND FIELD FIT THE ELEVATIONS OF ALL CURBS, SIDEWALKS AND STORM DRAINAGE STRUCTURES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL CURBING, INCLUDING GRANITE, THAT IS REMOVED.

EROSION & SEDIMENTATION NOTES AND SEQUENCE OF OPERATIONS

1. THE PROPOSED ACTIVITY CONSISTS OF THE REPLACEMENT/ADDITION OF CONCRETE MONOLITHIC SIDEWALK WITH CURB.
2. PRIOR TO ANY CONSTRUCTION, EXCAVATION OR FILLING, ALL IMPROVEMENTS SHALL BE ACCURATELY STAKED IN THE FIELD BY A LAND SURVEYOR WHO IS REGISTERED IN THE STATE OF CONNECTICUT.
3. ALL TREES AND BRUSH WITHIN THE AREAS OF DISTURBANCE SHALL BE REMOVED. STUMPS SHALL BE EXCAVATED FROM THE DISTURBED AREAS AND, ALONG WITH BRUSH, LIMBS AND SAPLINGS, SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS.
4. FINAL GRADES SHALL BE ACHIEVED AS QUICKLY AS POSSIBLE AND, IMMEDIATELY THEREAFTER, SIDESLOPES SHALL BE STABILIZED WITH 4" OF TOPSOIL. THE AREA SHALL BE SEEDED AND PROTECTED WITH STRAW MULCH IN ACCORDANCE WITH THE SPECIFICATIONS CONTAINED HEREIN.
5. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS OF THE "2002 CONNECTICUT EROSION & SEDIMENTATION GUIDELINES"; CT DEP BULLETIN NO.34.
6. ANY EROSION CONTROL DEVICES DAMAGED AS A RESULT OF A STORM EVENT OR CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY REPAIRED.
7. THE TOWN OF PUTNAM SHALL BE NOTIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION AND AT KEY POINTS DURING CONSTRUCTION SO THAT INSPECTIONS OF EROSION AND SEDIMENTATION CONTROL MEASURES CAN BE SCHEDULED.
8. THE RESPONSIBILITY FOR IMPLEMENTATION OF THE PLAN SHALL REST WITH THE CONTRACTOR AWARDED THE PROJECT.
9. THE SEED MIXTURE TO BE USED ON THIS PROJECT IS THE FOLLOWING:

SEED	LB/1,000 SF
KENTUCKY BLUEGRASS	.45
CREeping RED FESCUE (PENNLAWN, WINTERGREEN	.45
PERENNIAL RYEGRASS (NORLEAS, MANHATTEN)	.10
	TOTAL = 1.00

TRAFFIC SIGN NOTES:

1. ALL CROSSWALK AND CROSSWALK AHEAD SIGNS SHALL BE NEW. EXISTING SIGNS SHALL BE REPLACED EXCEPT FOR THE NEW SIGNS ASSOCIATED WITH THE NEW CROSSWALK AT THE ENTRANCE TO THE MUNICIPAL COMPLEX AT 200 SCHOOL STREET.
2. ALL NEW CROSSWALK AND CROSSWALK AHEAD SIGNS SHALL HAVE FLUORESCENT YELLOW GREEN RETROREFLECTIVE STRIPS ON THE POSTS.
3. CROSS WALK SIGNS PEDESTRIAN SYMBOL SHALL BE CT DOT CATALOG SIGN NUMBER 41-4829.
4. DIAGONAL ARROWS BELOW PEDESTRIAN SYMBOLS SHALL BE CT DOT CATALOG SIGN NUMBER 41-2617 OR 41-2619.
5. AHEAD PLAQUE FOR CROSSWALK AHEAD SIGNS SHALL BE CT DOT CATALOG SIGN NUMBER 41-6126.

**SIDEWALK DETAILS AND
CONSTRUCTION NOTES
PREPARED FOR
TOWN OF PUTNAM
FRONT & SCHOOL STREETS (ROUTE 44) - PUTNAM, CT**

J&D CIVIL
ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
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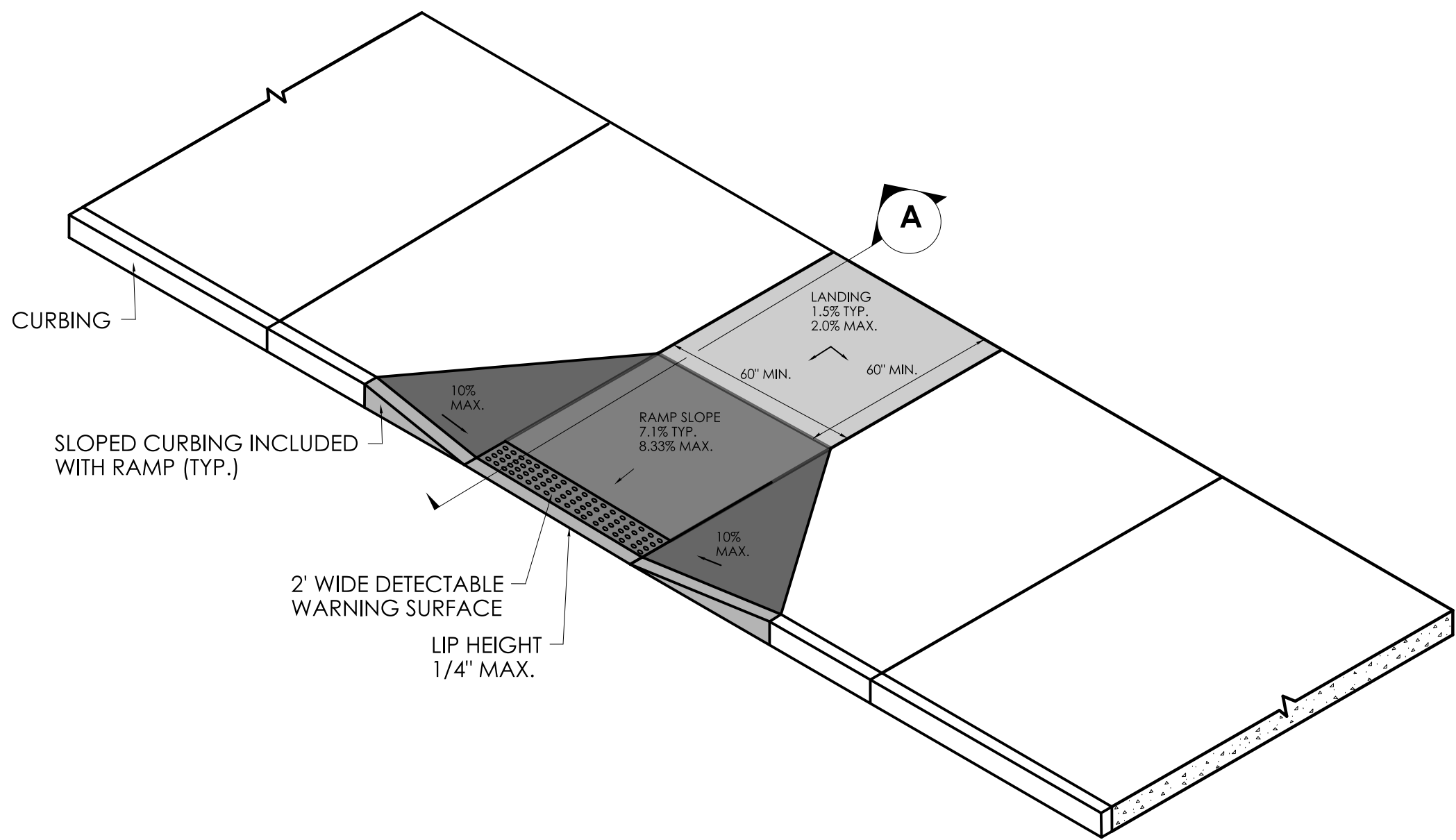
REVISIONS:
2-28-23

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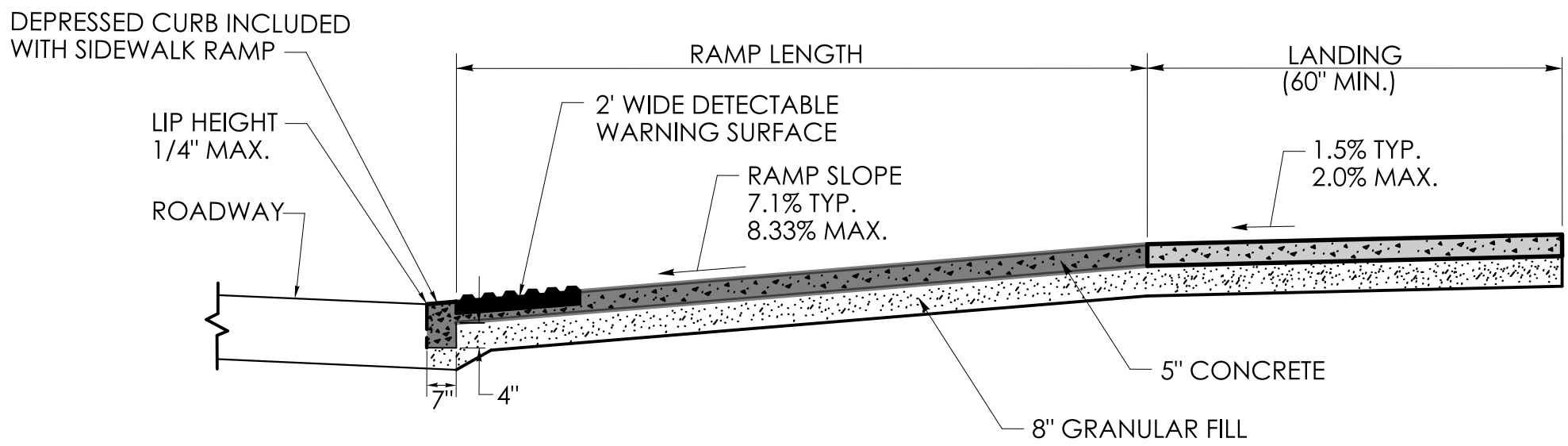
DATE: OCTOBER 25, 2022

SCALE: AS NOTED

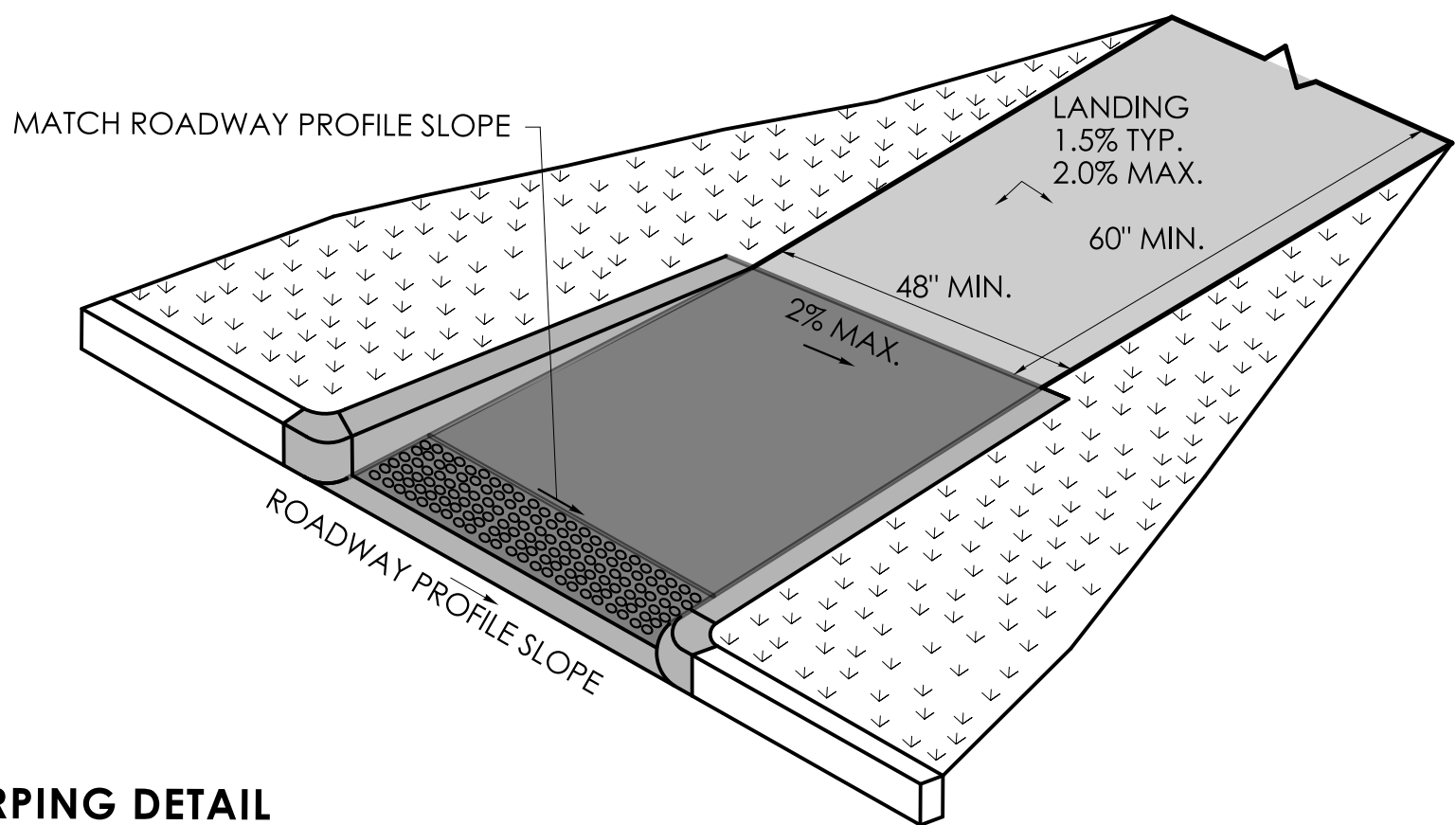
SHEET: 6



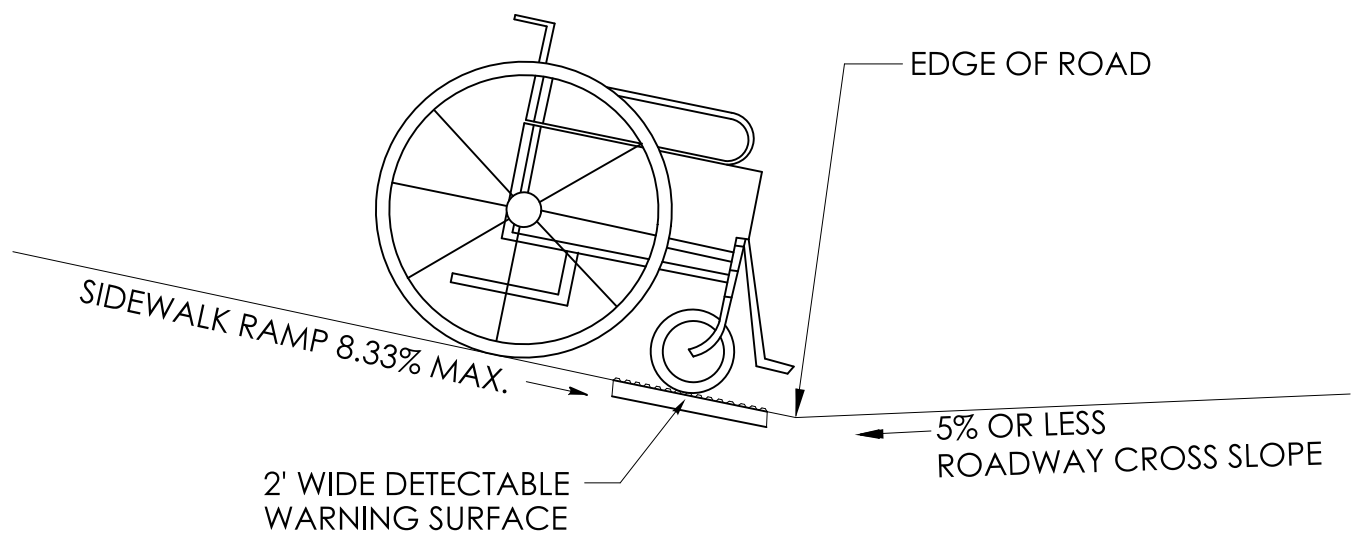
PERPENDICULAR SIDEWALK RAMP
AND SECTION



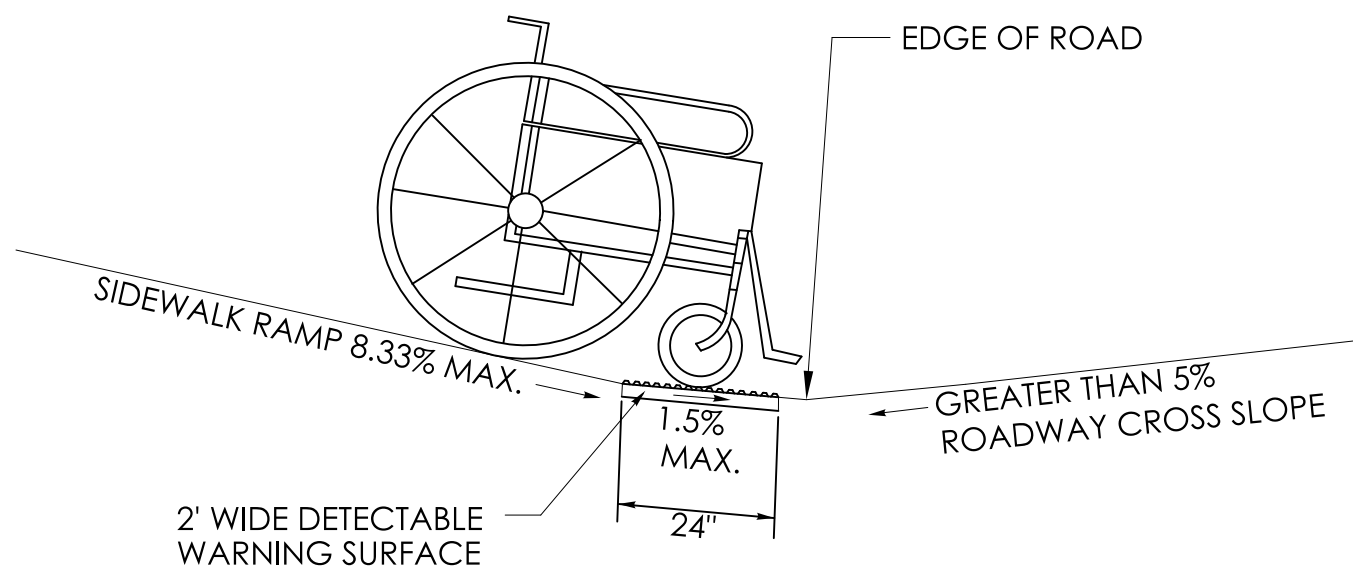
SECTION A



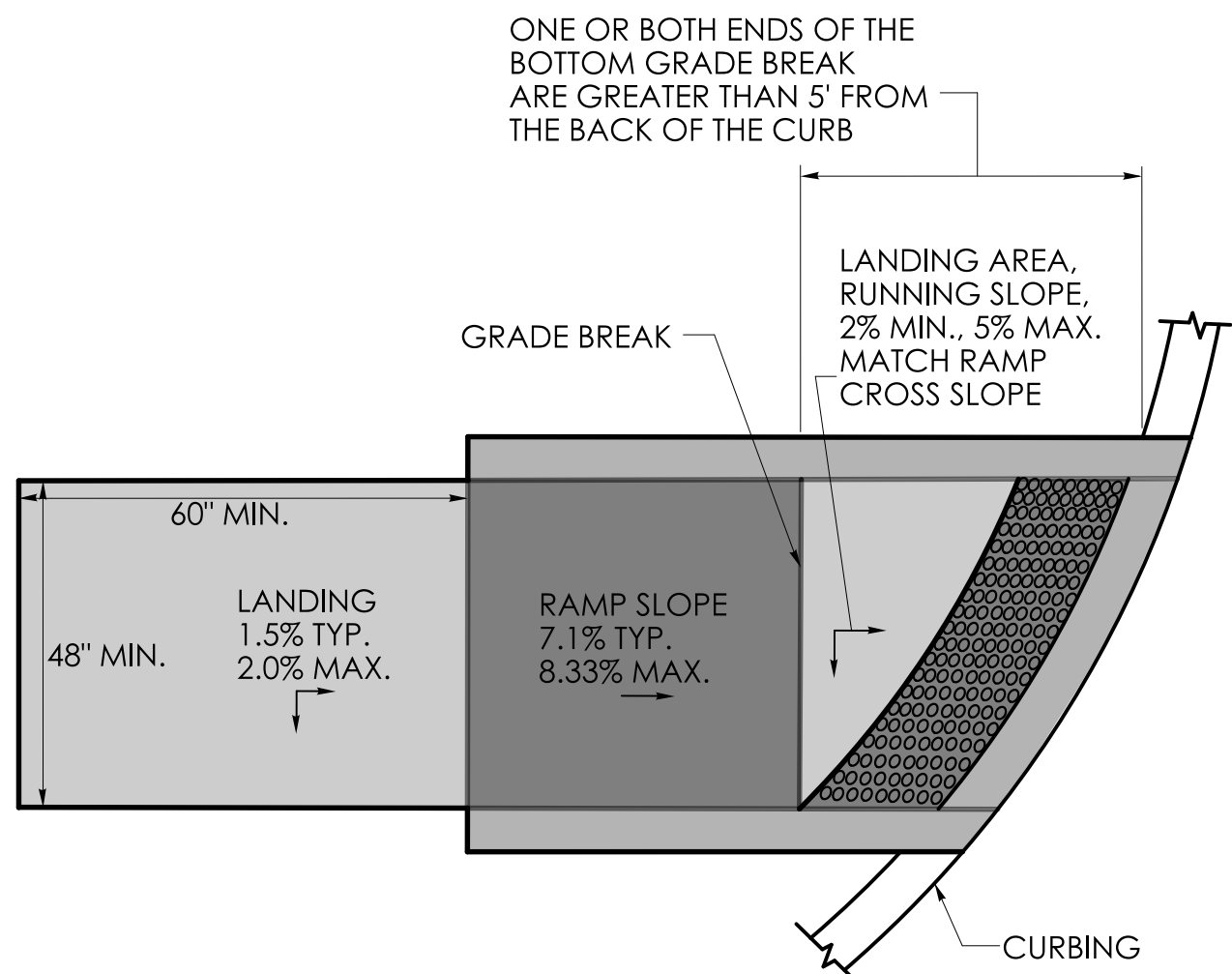
- RAMP WARPING DETAIL**
1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3% PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
 2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.



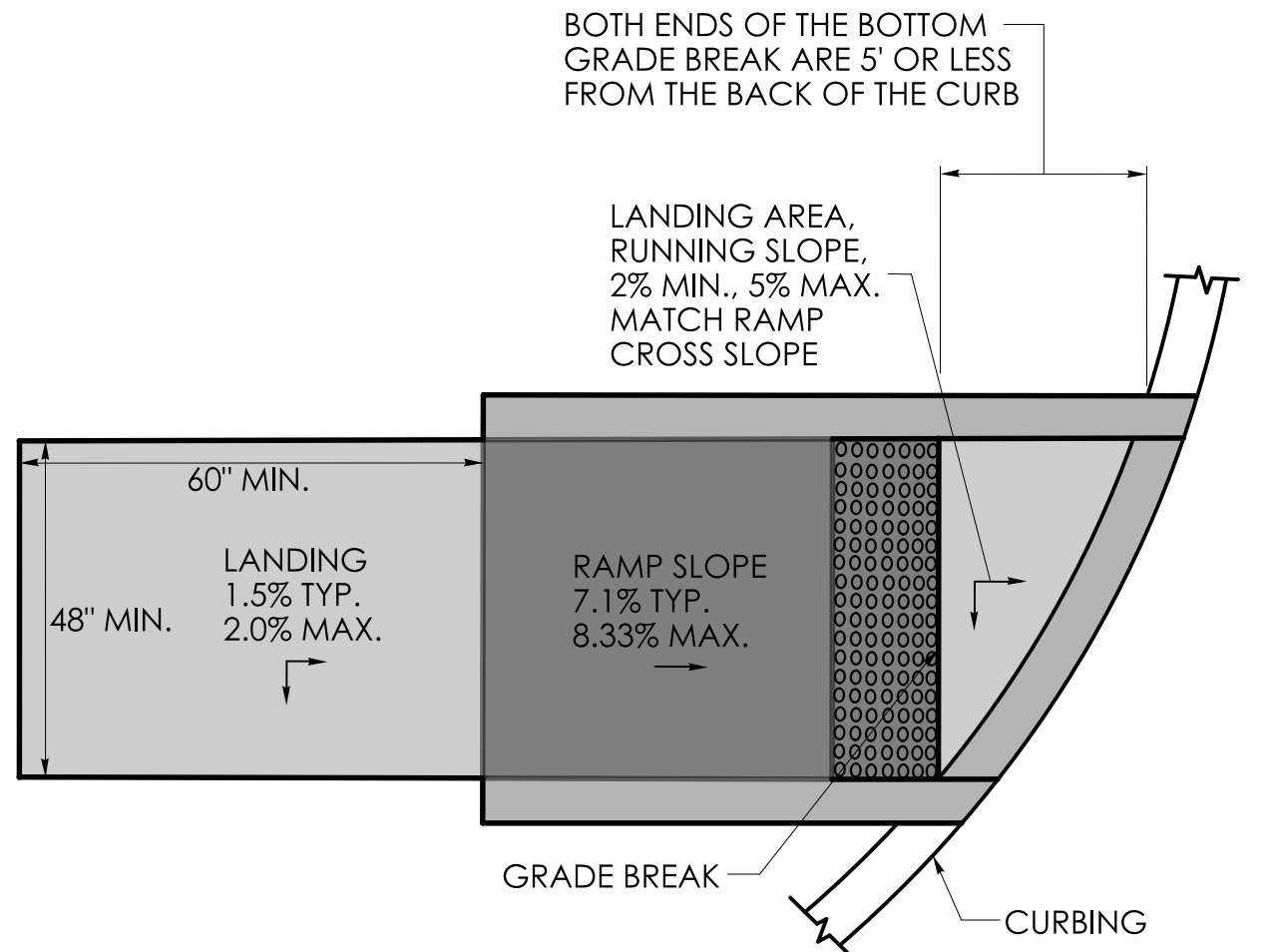
SIDEWALK RAMP GRADE AT
ROADWAY CROSS SLOPE OF 5% OR LESS
GUTTER COUNTER SLOPE



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



GRADE BREAK GREATER THAN 5'
DETECTABLE WARNING SURFACE LOCATION

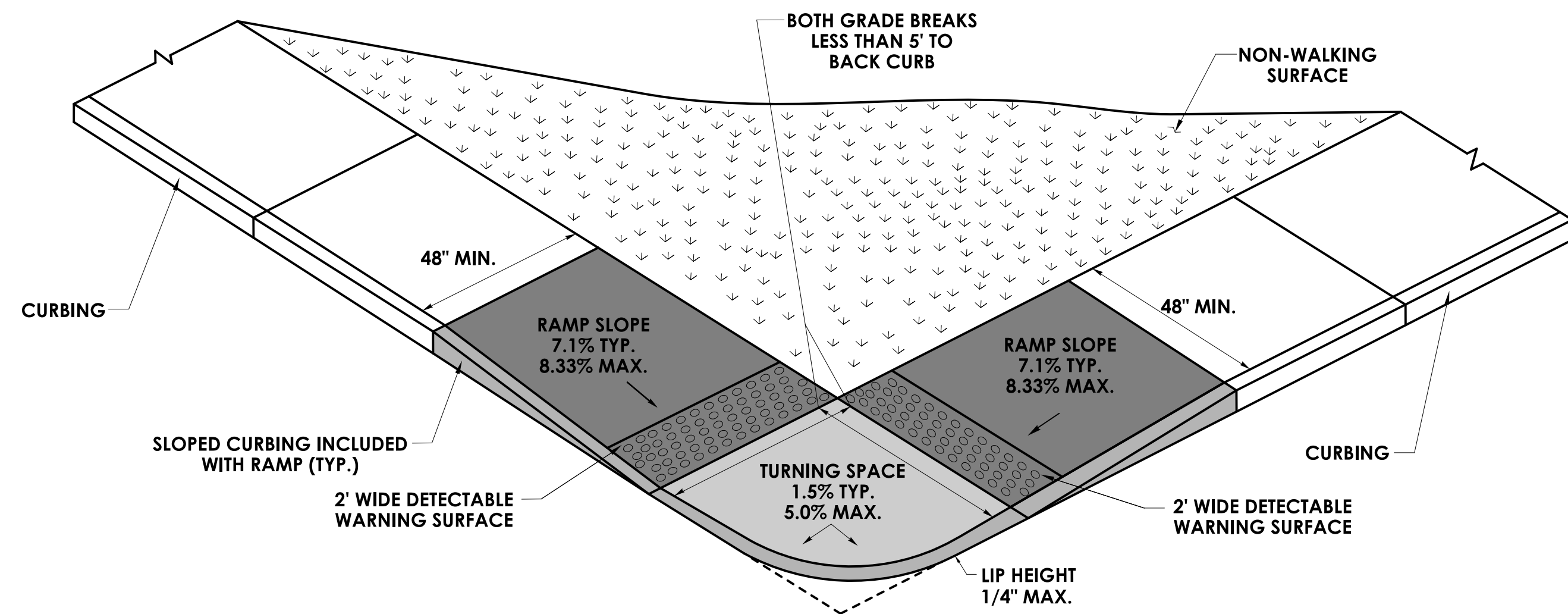


GRADE BREAK OF 5' OR LESS
DETECTABLE WARNING SURFACE LOCATION

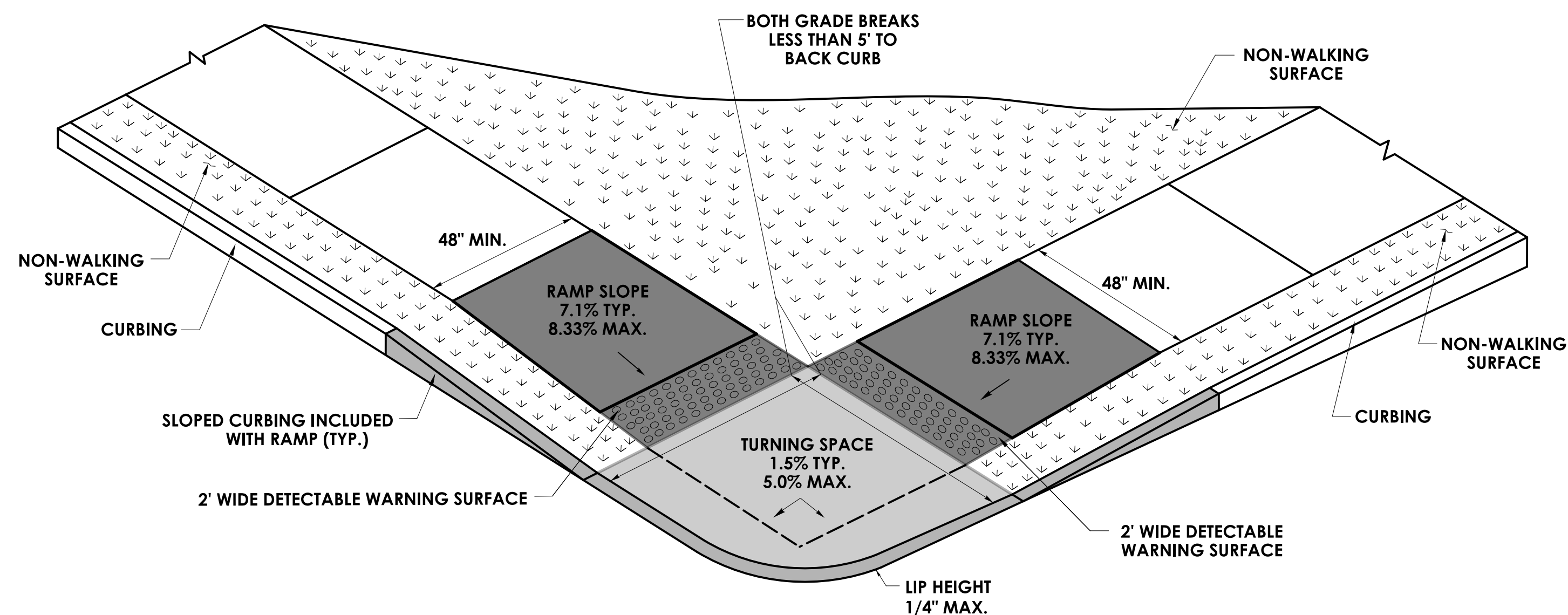
GENERAL NOTES:

1. SIDEWALK RAMP 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.

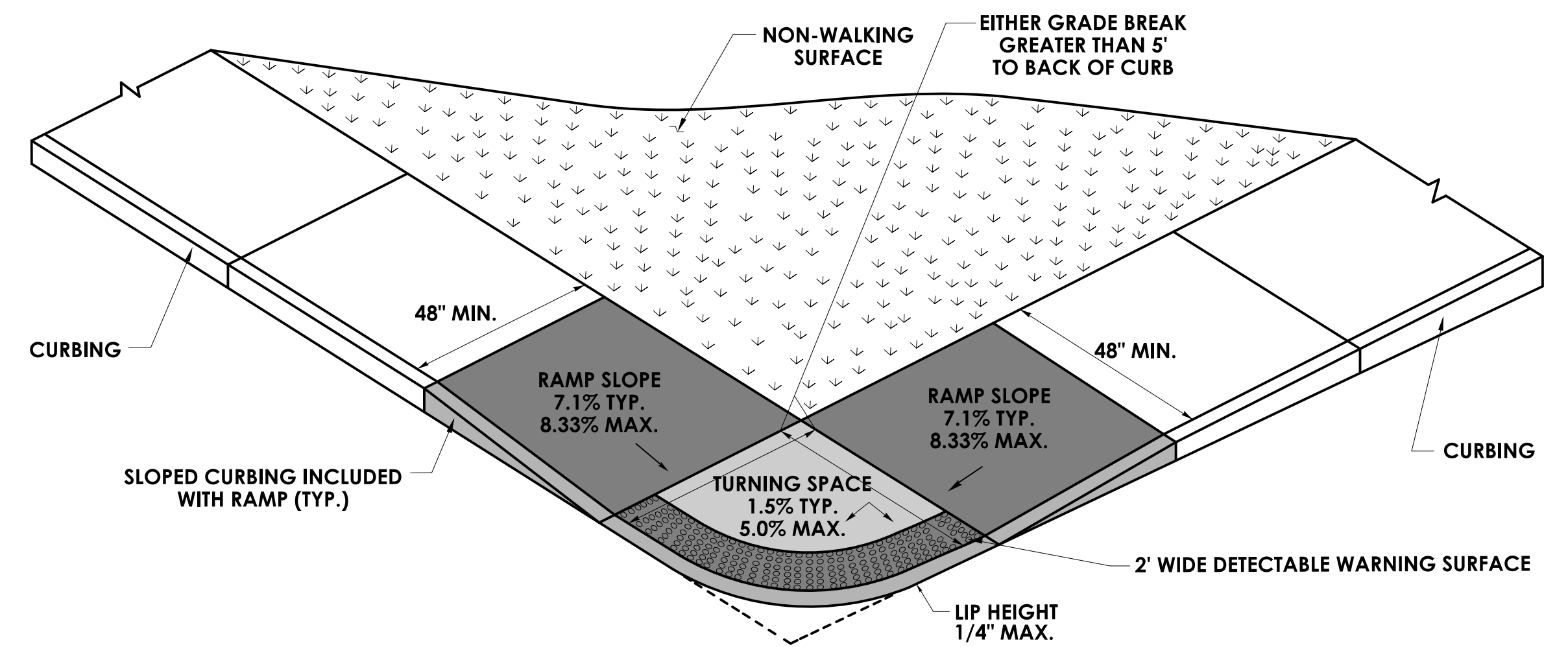
REV.	DATE	REVISION DESCRIPTION



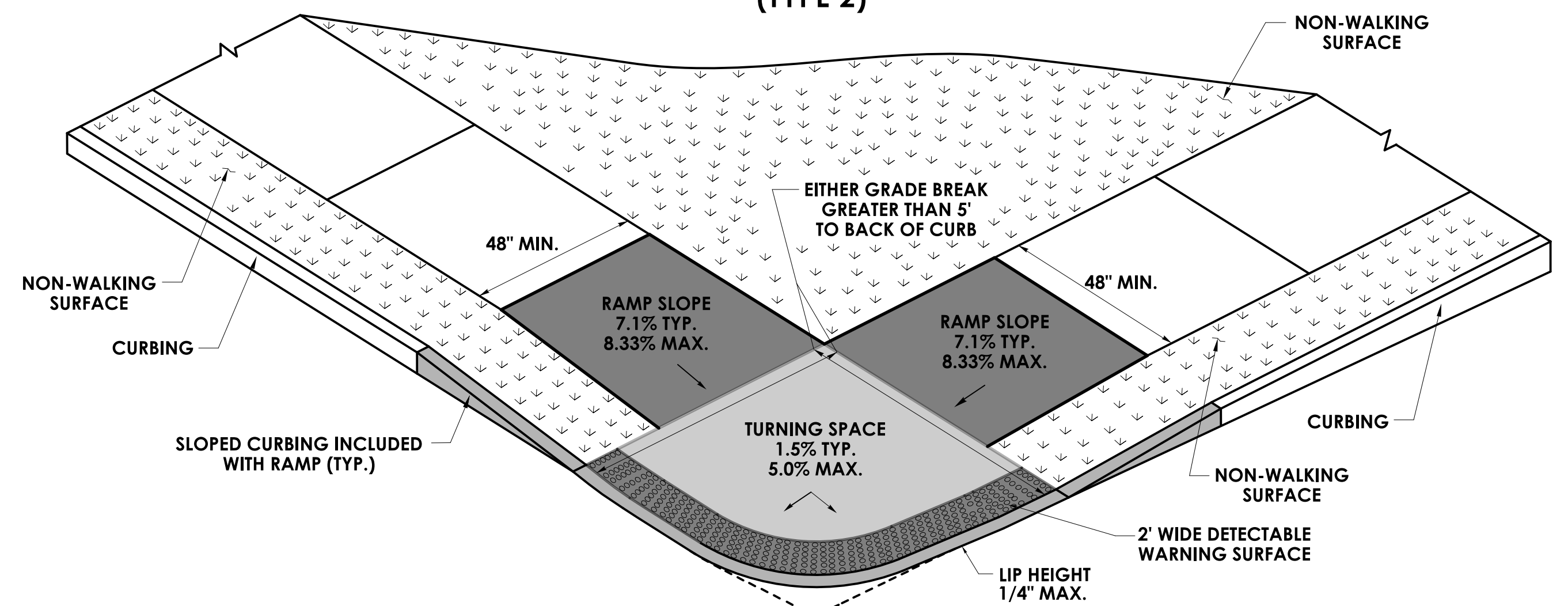
PERPENDICULAR RAMP
WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS
(TYPE 1)



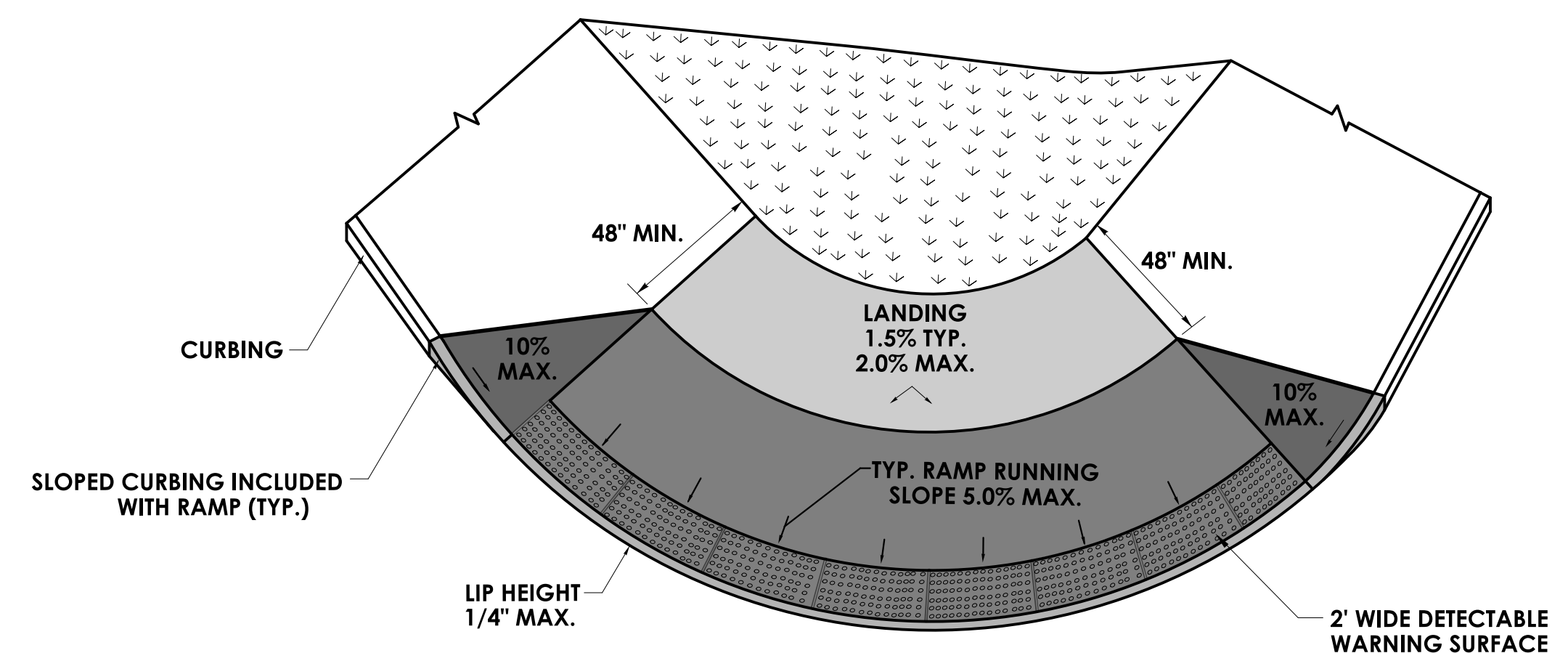
PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB OF 5' OR LESS
WITH NON-WALKING SURFACE
(TYPE 3)



BLENDED TRANSITION
WITH GRADE BREAK TO BACK OF CURB GREATER THAN 5'
(TYPE 2)

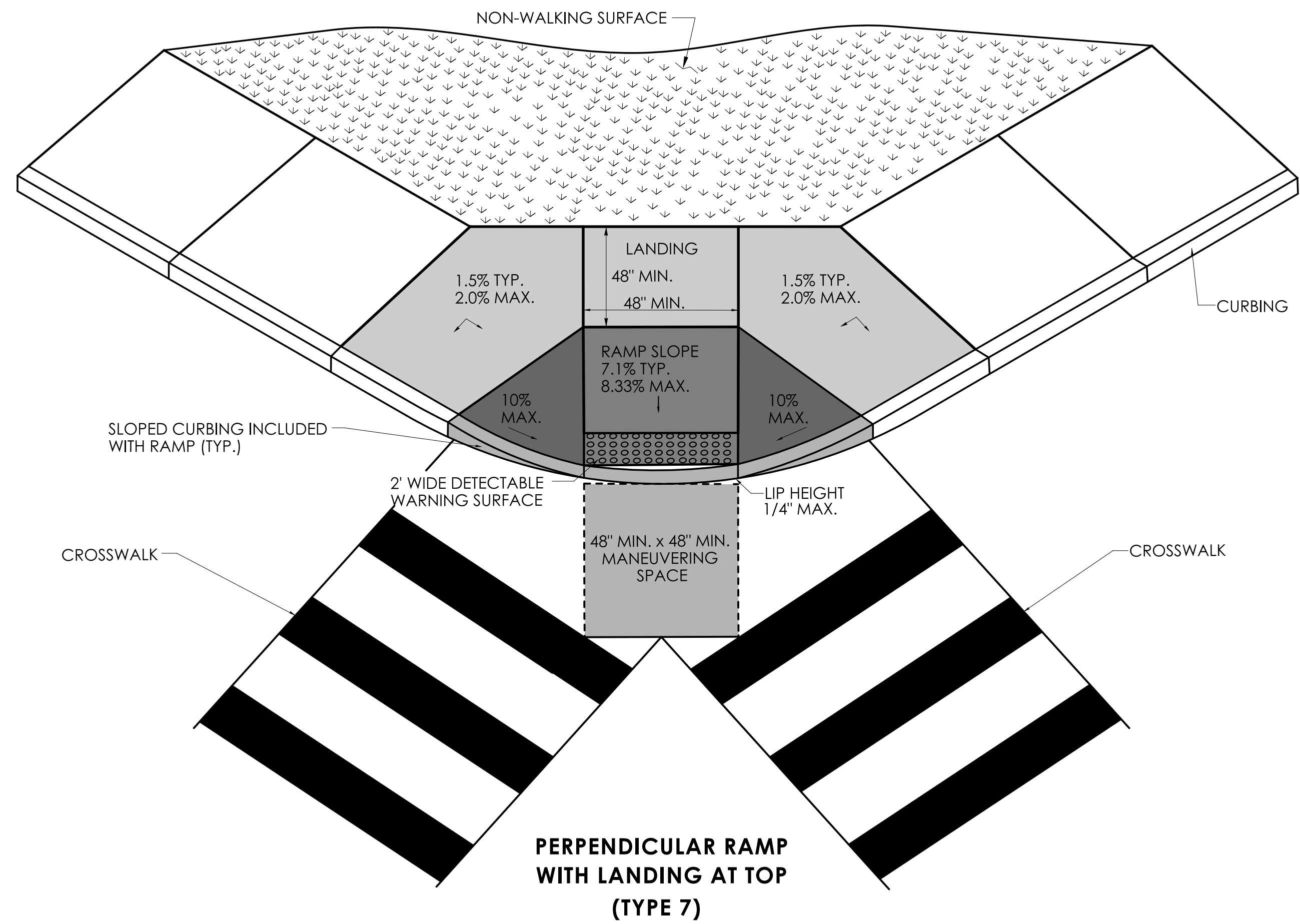
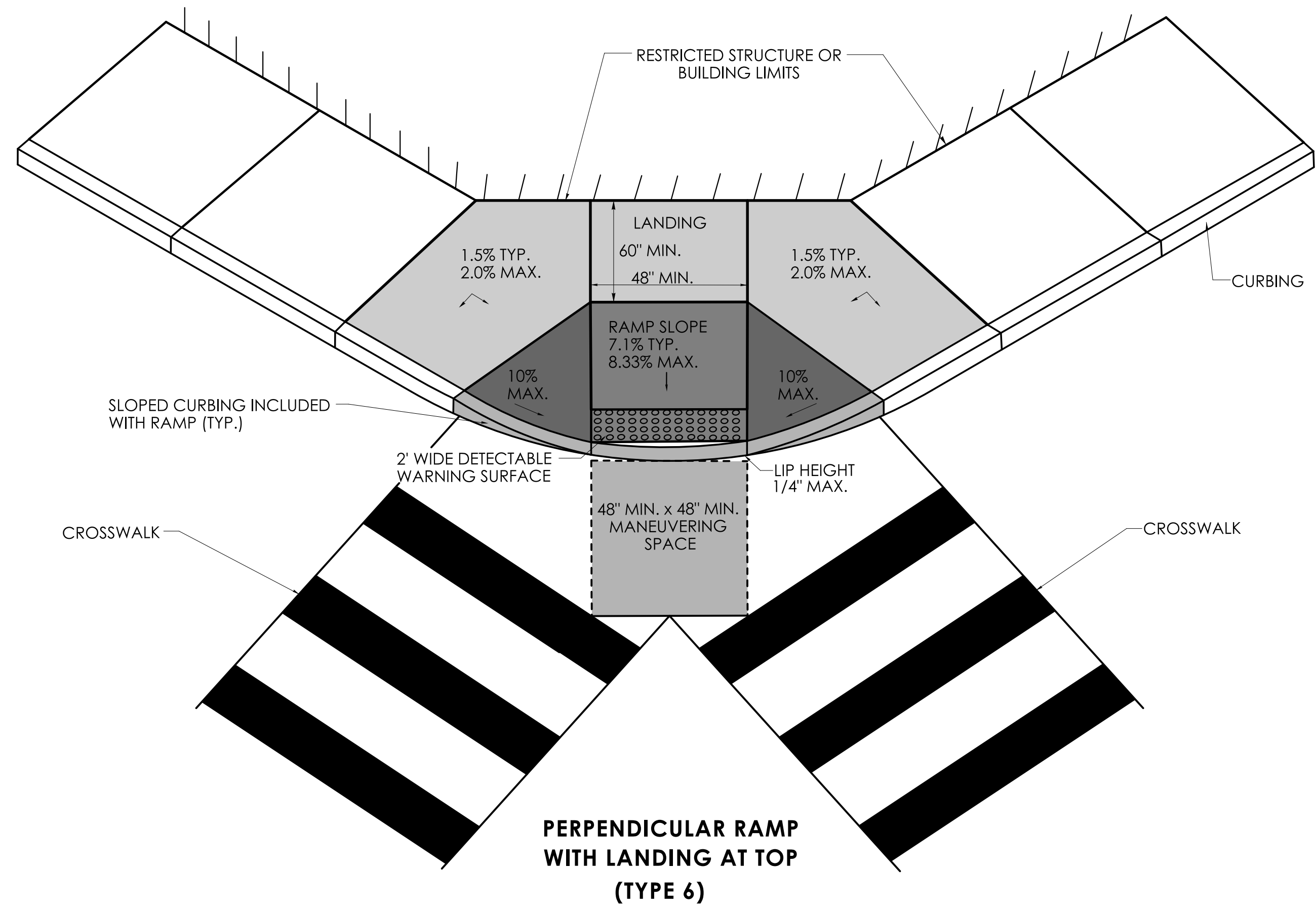


BLENDED TRANSITION
WITH A GRADE BREAK
TO BACK OF CURB GREATER THAN 5'
WITH NON-WALKING SURFACE
(TYPE 4)



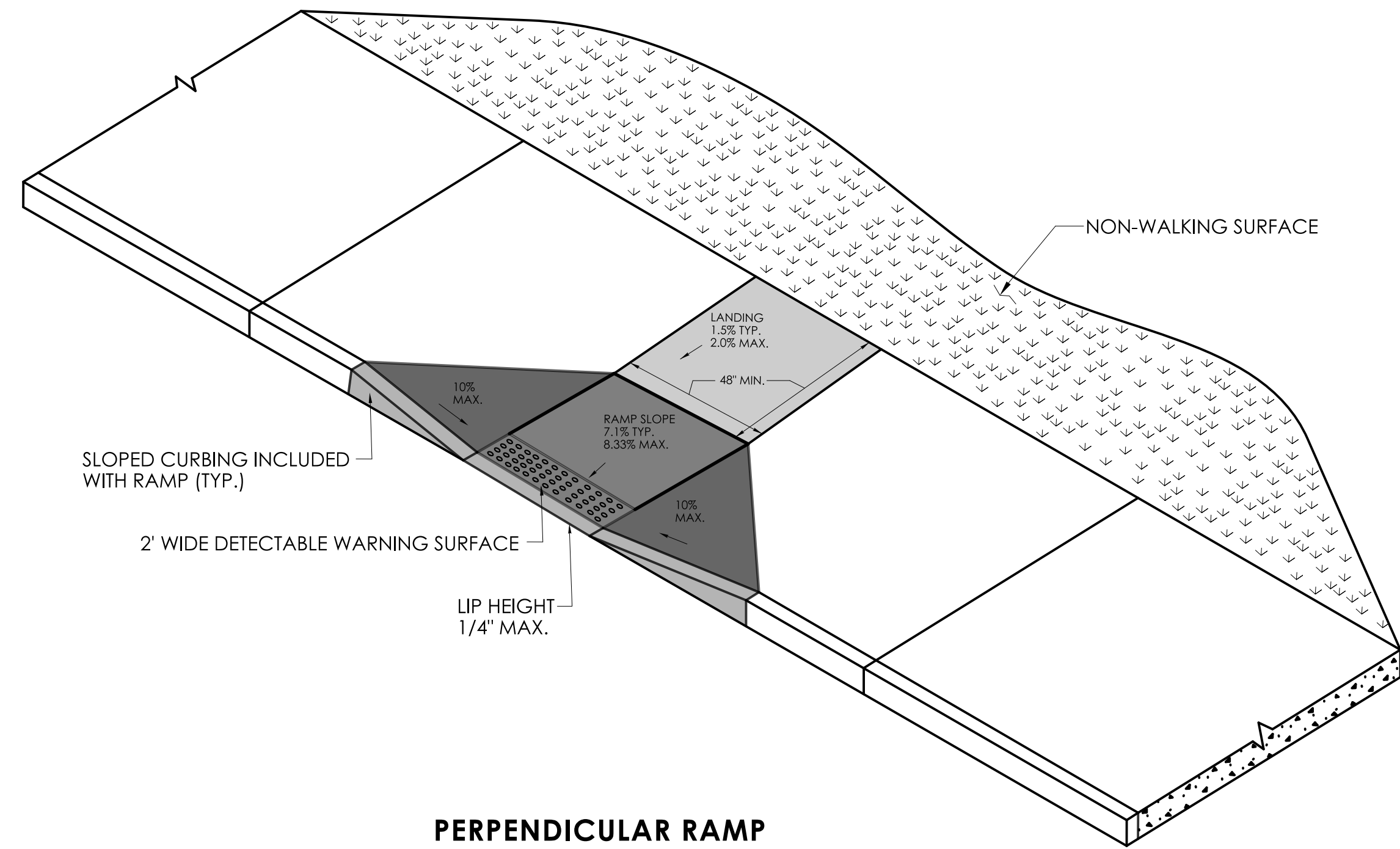
BLENDED TRANSITION
WITH LANDING AT TOP
(TYPE 5)

REV.	DATE	REVISION DESCRIPTION

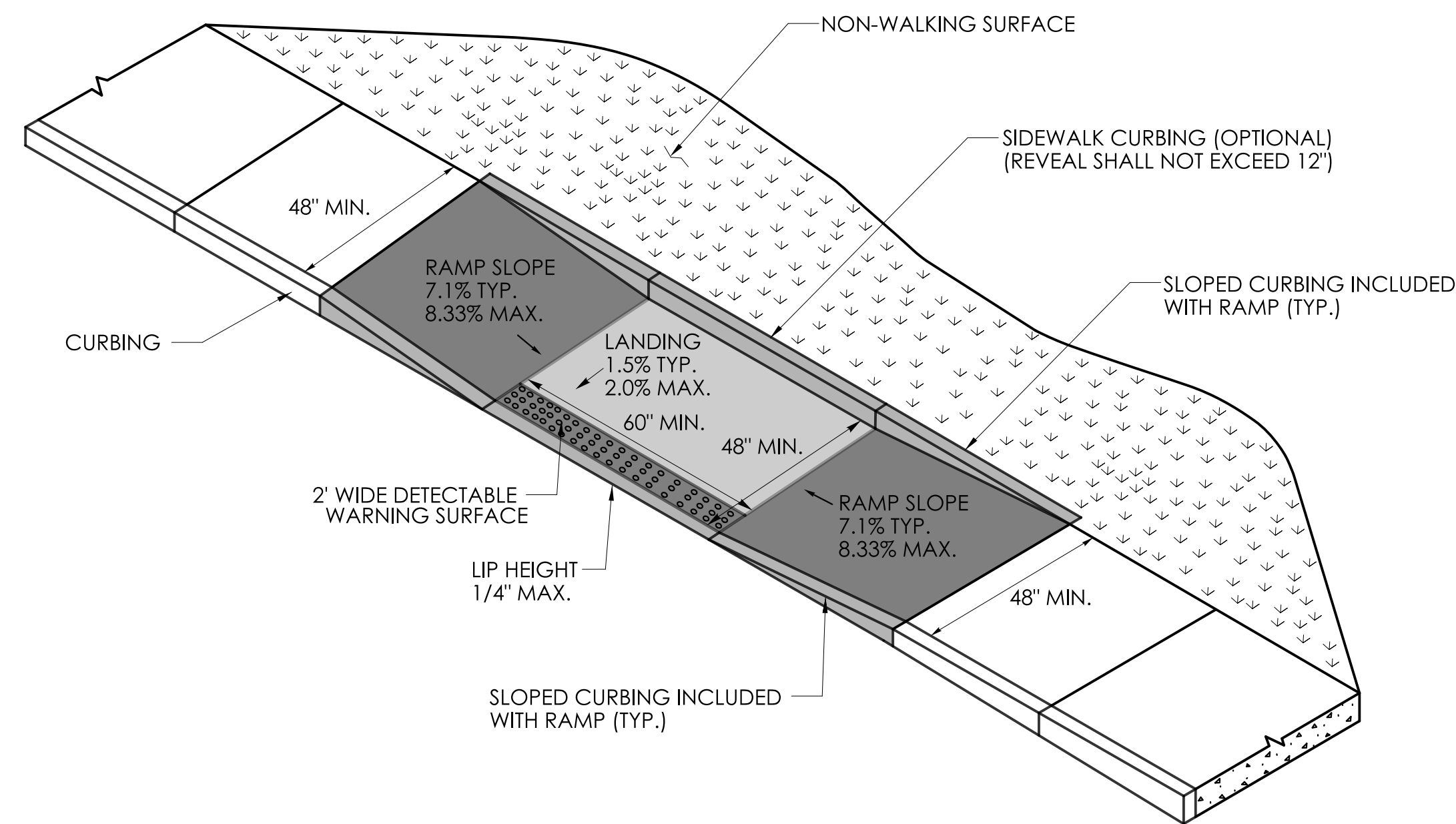


REV.	DATE	REVISION DESCRIPTION

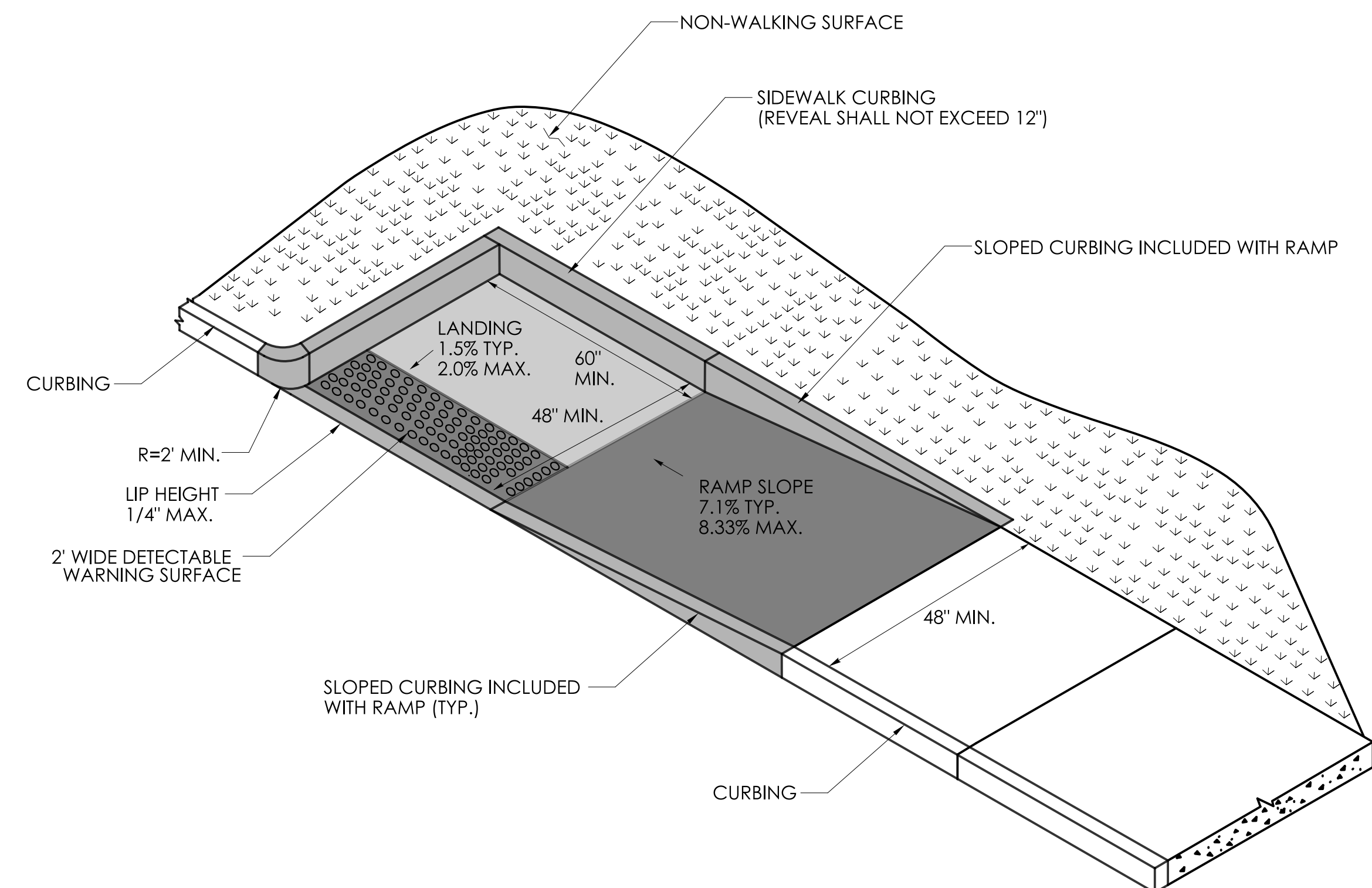
DESIGNER/DRAFTER:	CHECKED BY:	SIGNATURE/ BLOCK:	APPROVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER: 0000-0000 PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION TOWN(S): SAMPLE TOWN(S) DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 3 OF 11	DRAWING NO.
LASTED SAVED BY: RichardEH FILE NAME: W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel PLOTTED DATE: 11/23/2022				OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111		SHEET NO.



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



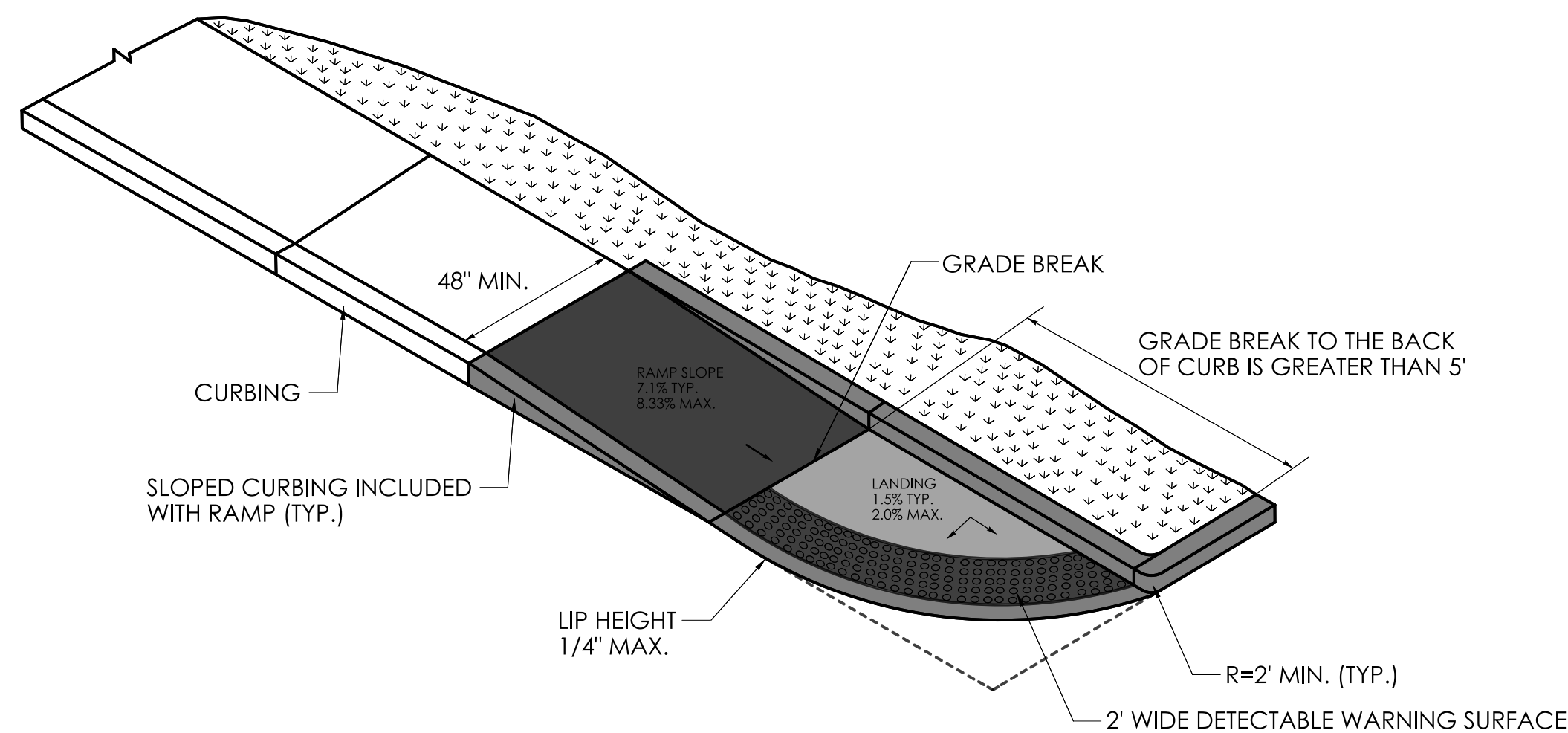
**PARALLEL RAMP WITHOUT
NON-WALKING SURFACE
(TYPE 9)**



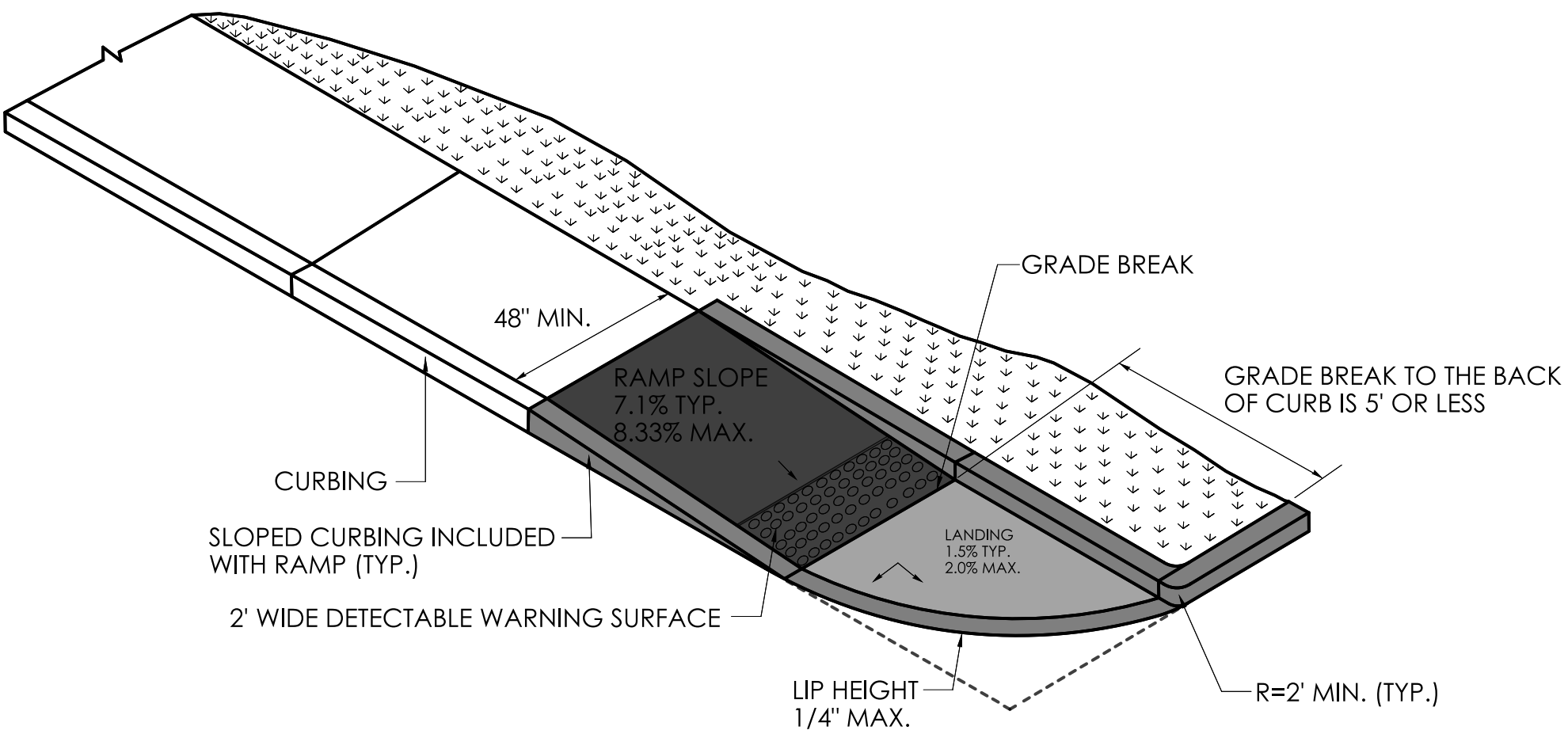
**PARALLEL RAMP
WITH LANDING AT BOTTOM ON CORNER
(TYPE 10)**

REVISION DESCRIPTION	
REV.	DATE

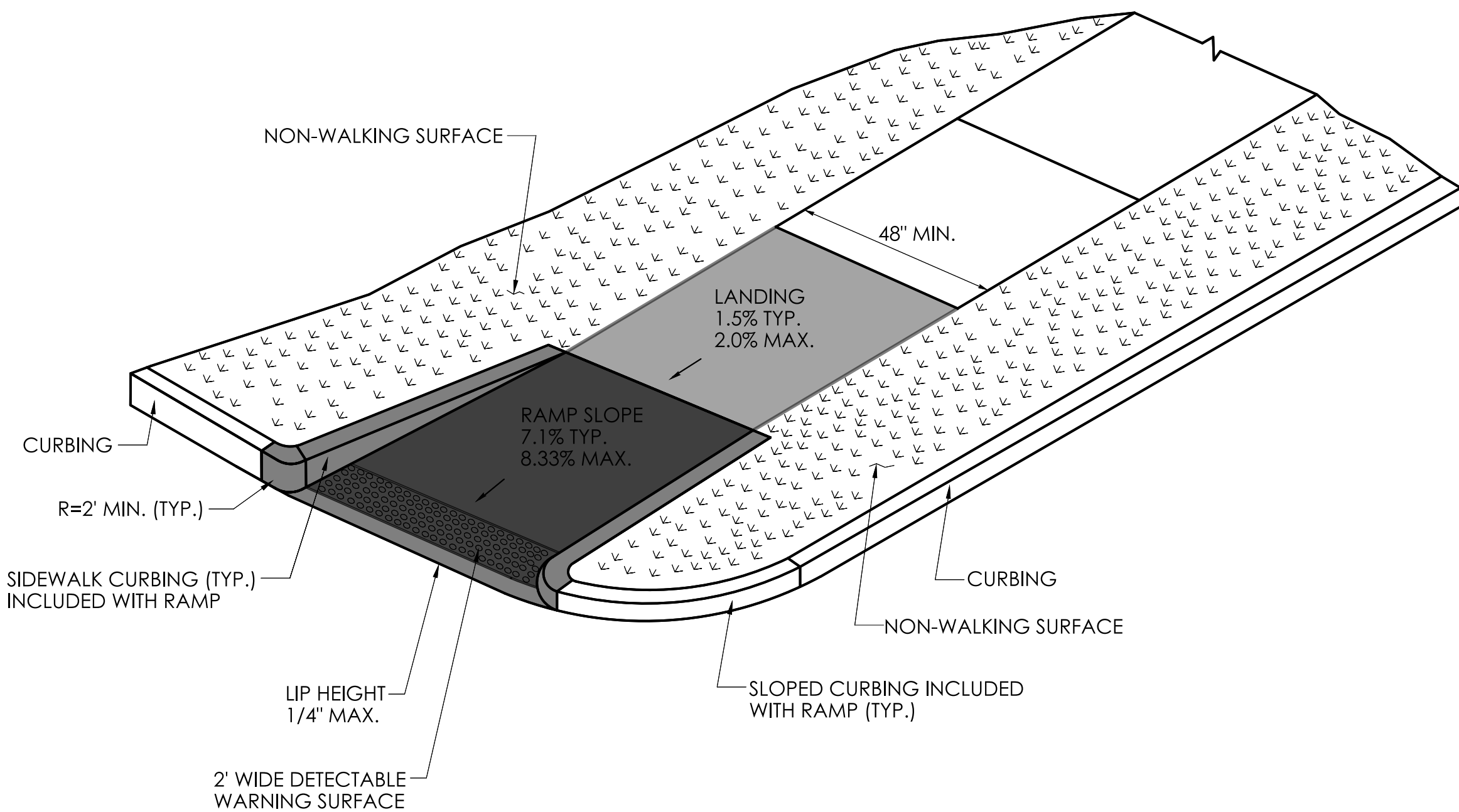
DESIGNER/DRAFTER:	CHECKED BY:	SIGNATURE/ BLOCK:	APPROVED BY:	PROJECT NUMBER: 0000-0000	DRAWING NO.
LASTED SAVED BY: RichardEH	FILE NAME: W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel	OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION	SHEET NO.
PLOTTED DATE: 11/23/2022				TOWN(S): SAMPLE TOWN(S)	
				DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 4 OF 11	



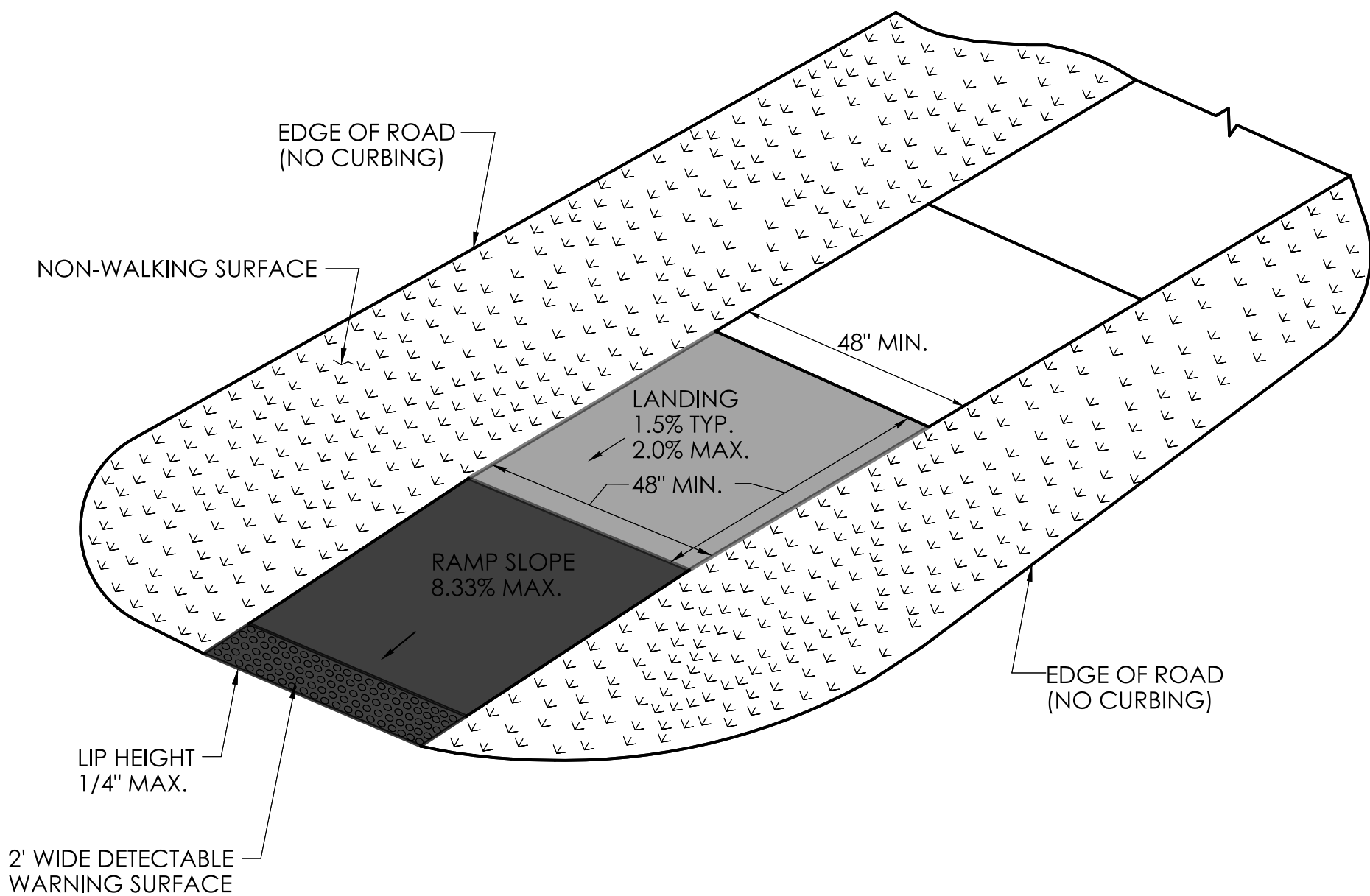
**SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK GREATER THAN 5'
(TYPE 14)**



**SINGLE DIRECTION RAMP
GRADE BREAK TO THE BACK
OF CURB IS 5' OR LESS
(TYPE 15)**



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



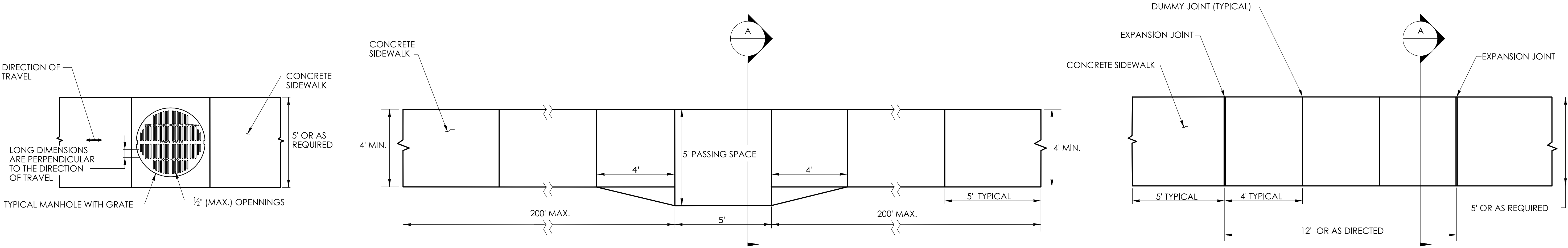
**SINGLE DIRECTION - NO CURB
WITH NON-WALKING SURFACE
(TYPE 17)**

REV.	DATE	REVISION DESCRIPTION

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.



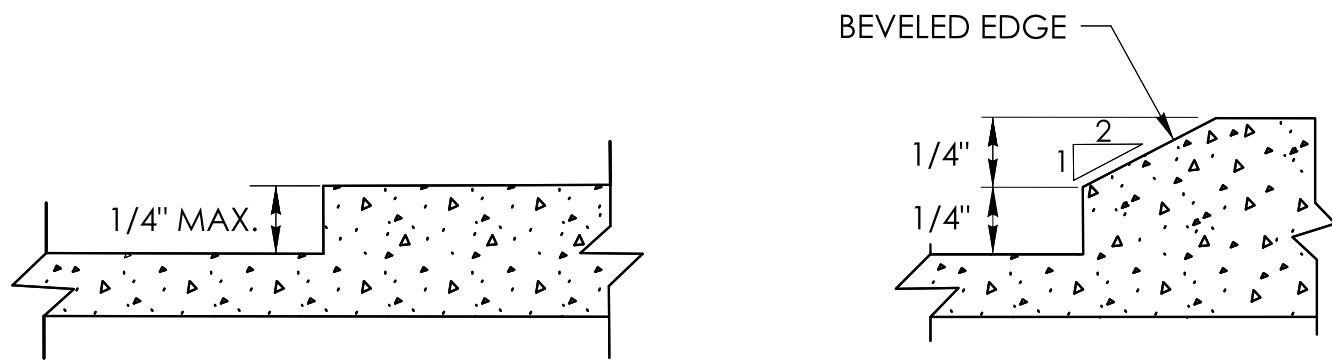
**PEDESTRIAN ACCESS ROUTE
OVER A MANHOLE WITH GRATE**

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**

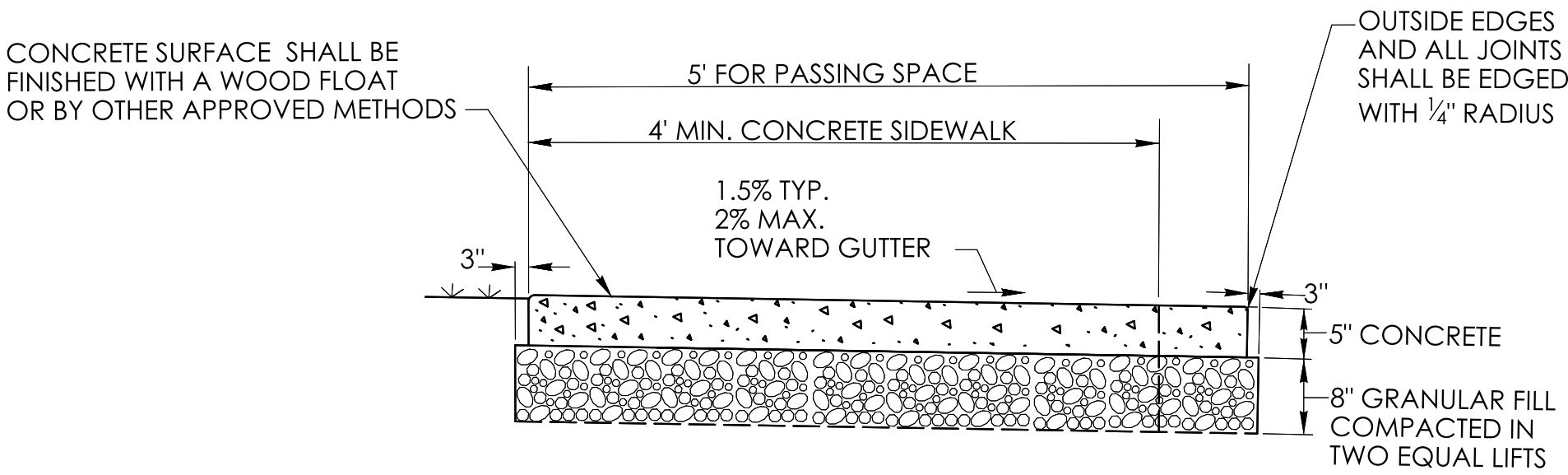
PASSING SPACES SHALL BE PROVIDED AT INTERVALS OF 200' MAXIMUM FOR SIDEWALKS LESS THAN 5' IN WIDTH

**5' WIDE SIDEWALK
PLAN**



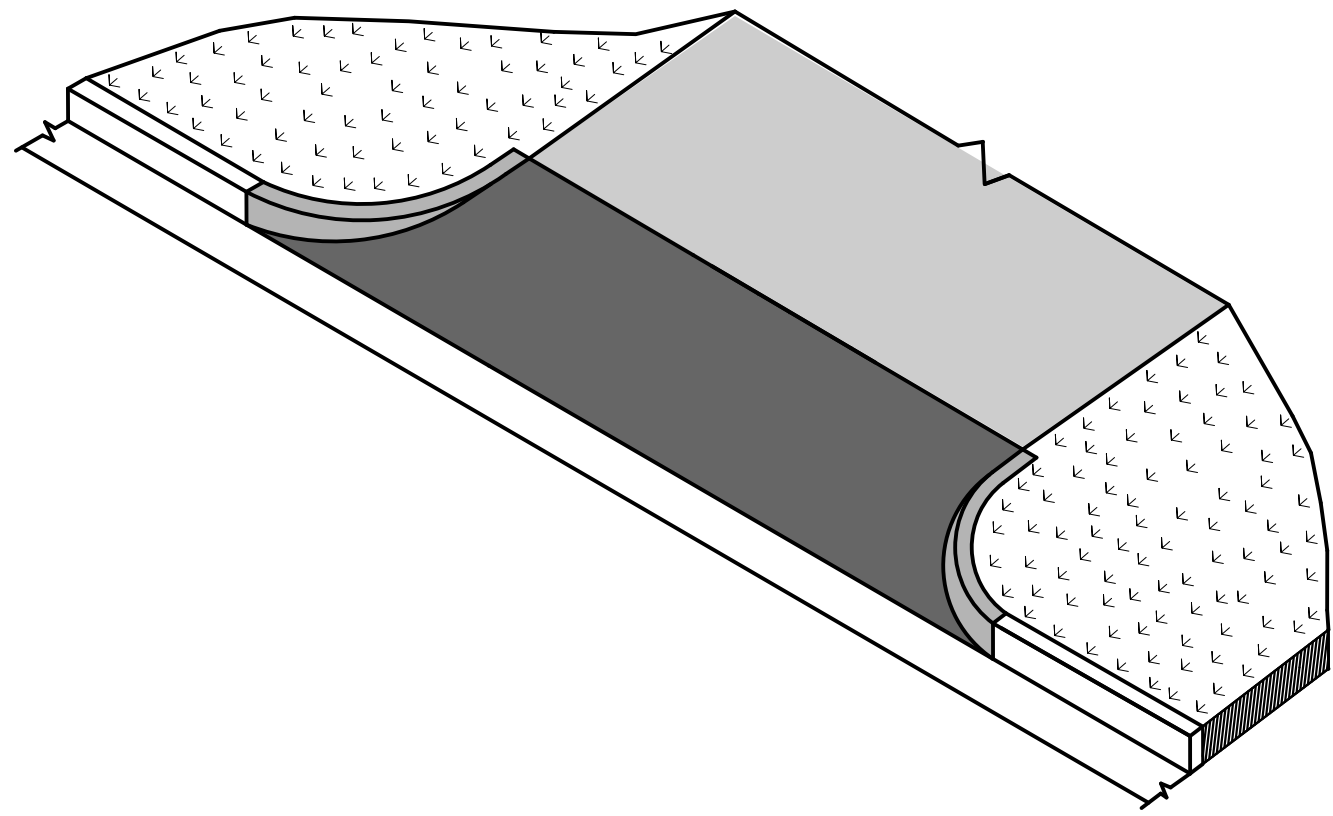
VERTICAL SURFACE DISCONTINUITIES

VERTICAL SURFACE DISCONTINUITIES MUST BE BEVELED TO A HEIGHT NOT GREATER THAN 1/4 INCH. THE BEVEL MUST BE THE ENTIRE WIDTH OF THE DISCONTINUITY

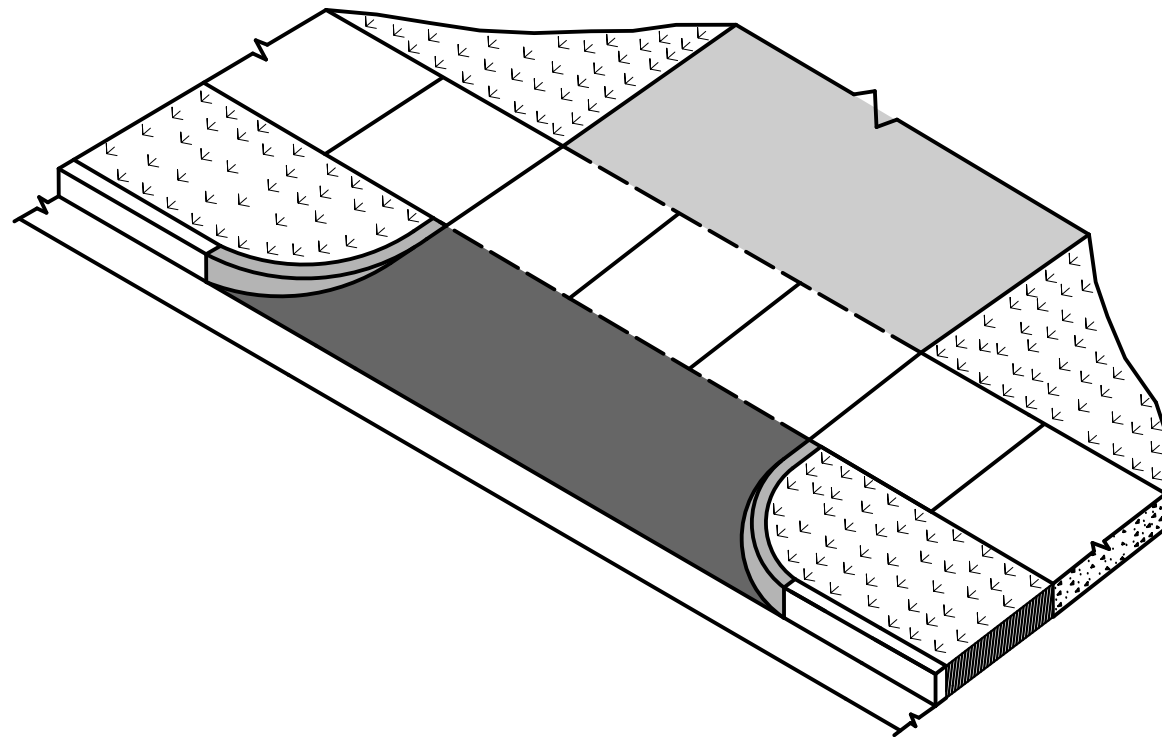


5' PASSING SPACE FOR 4' WIDE SIDEWALK

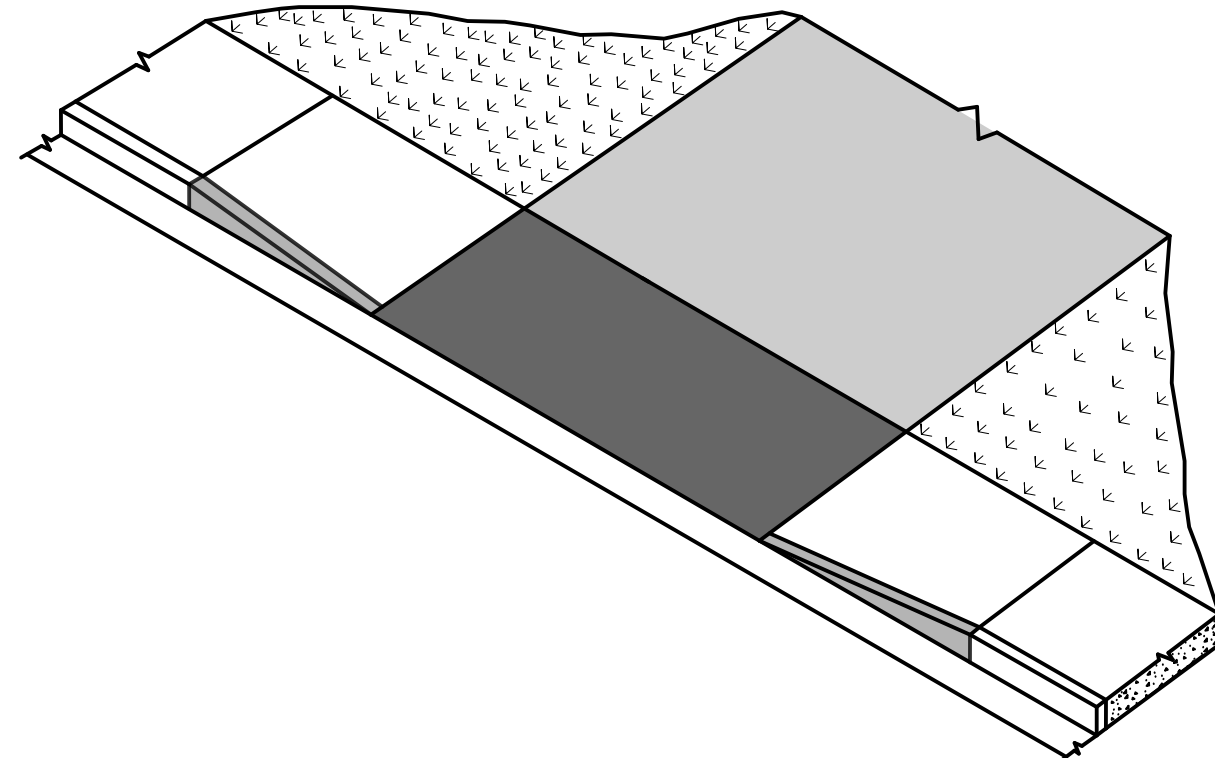
SECTION A



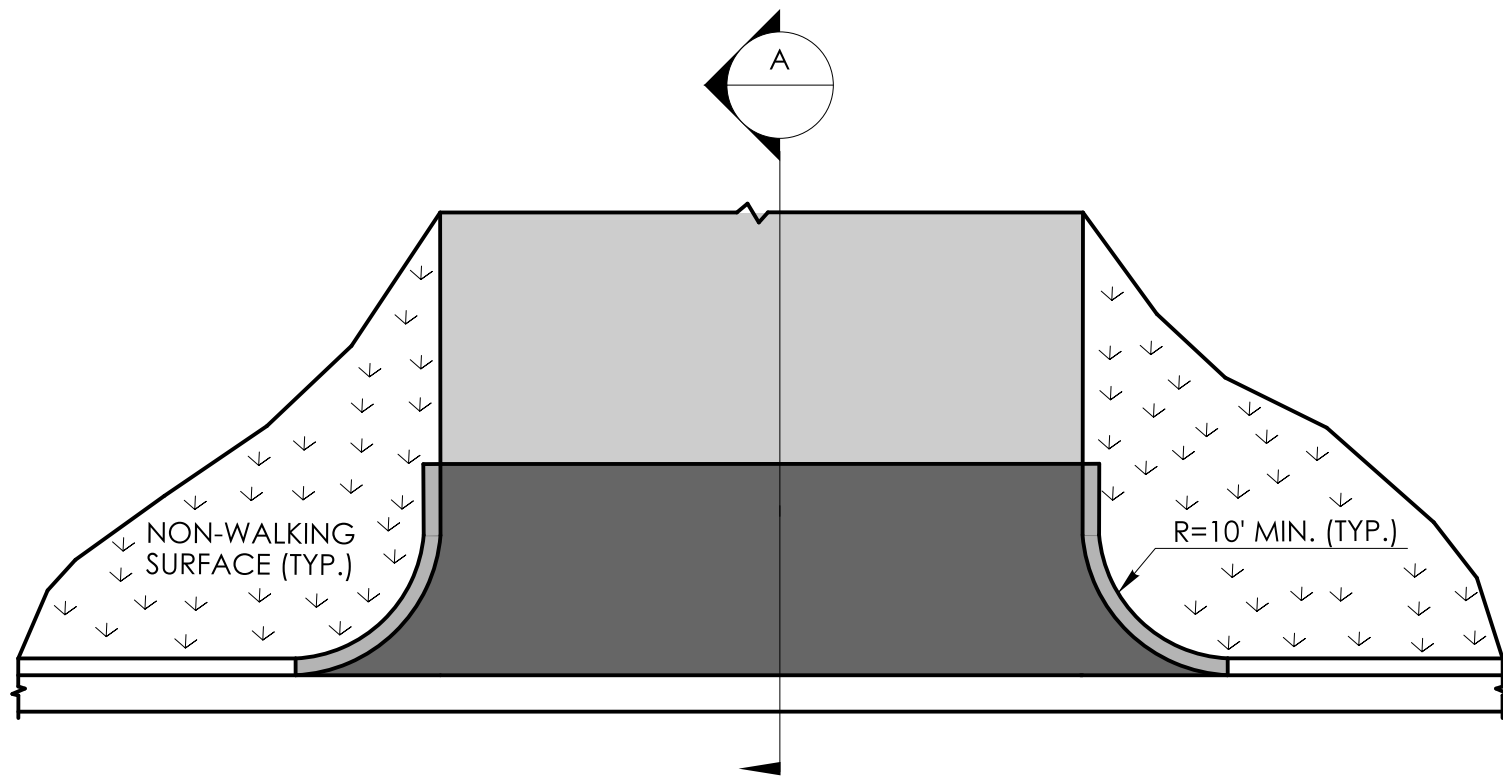
CONCRETE DRIVEWAY RAMP



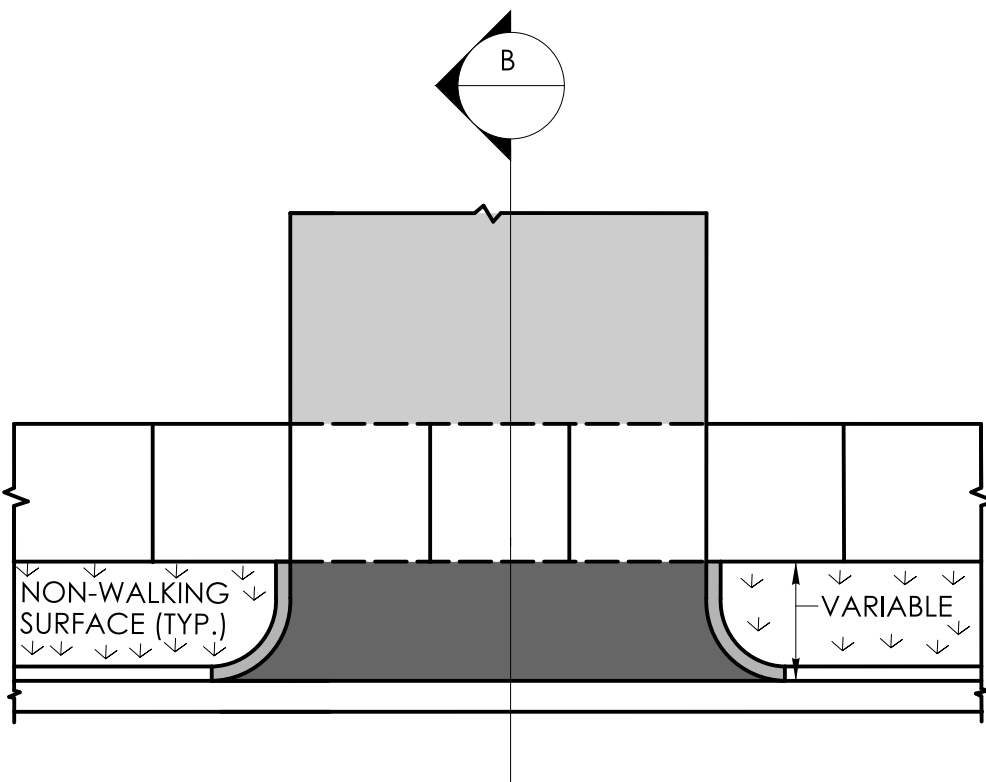
CONCRETE DRIVEWAY RAMP
WITH A PEDESTRIAN SIDEWALK SETBACK



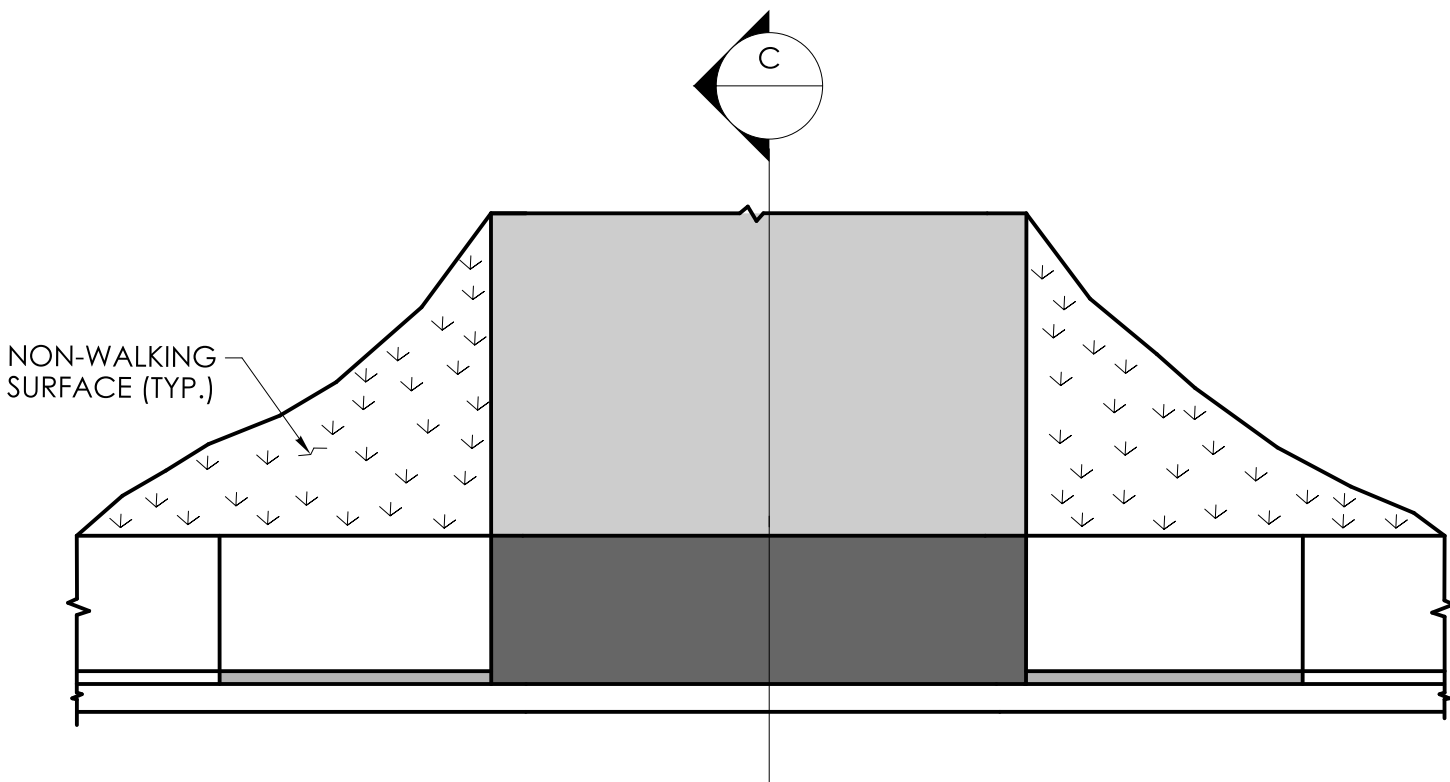
CONCRETE DRIVEWAY RAMP
WITH PEDESTRIAN SIDEWALK AT THE CURB



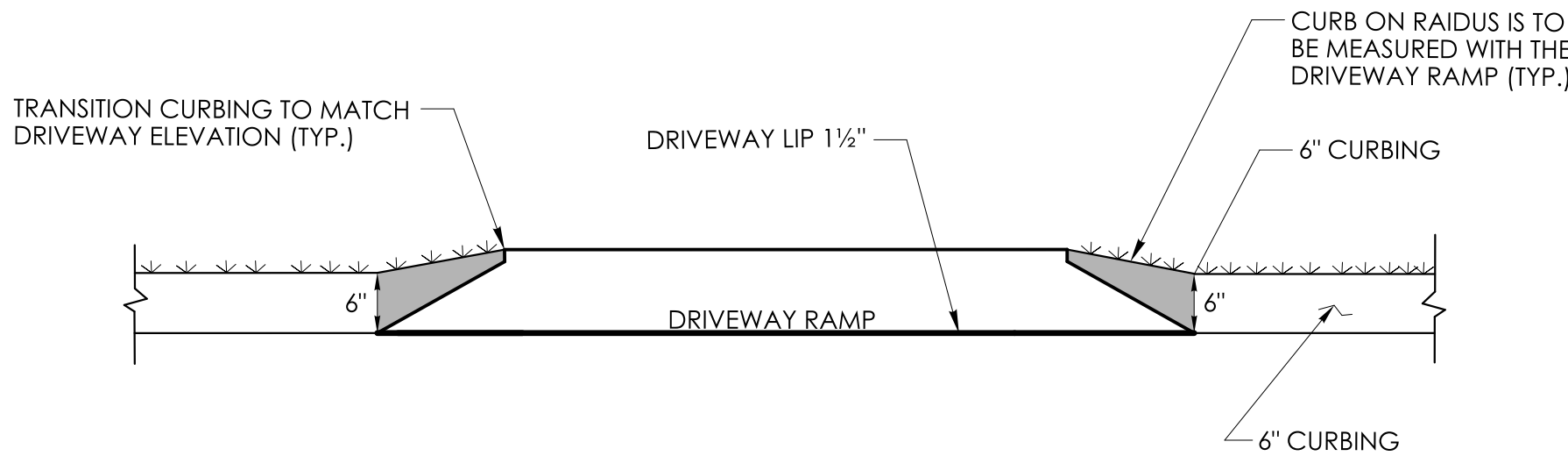
PLAN



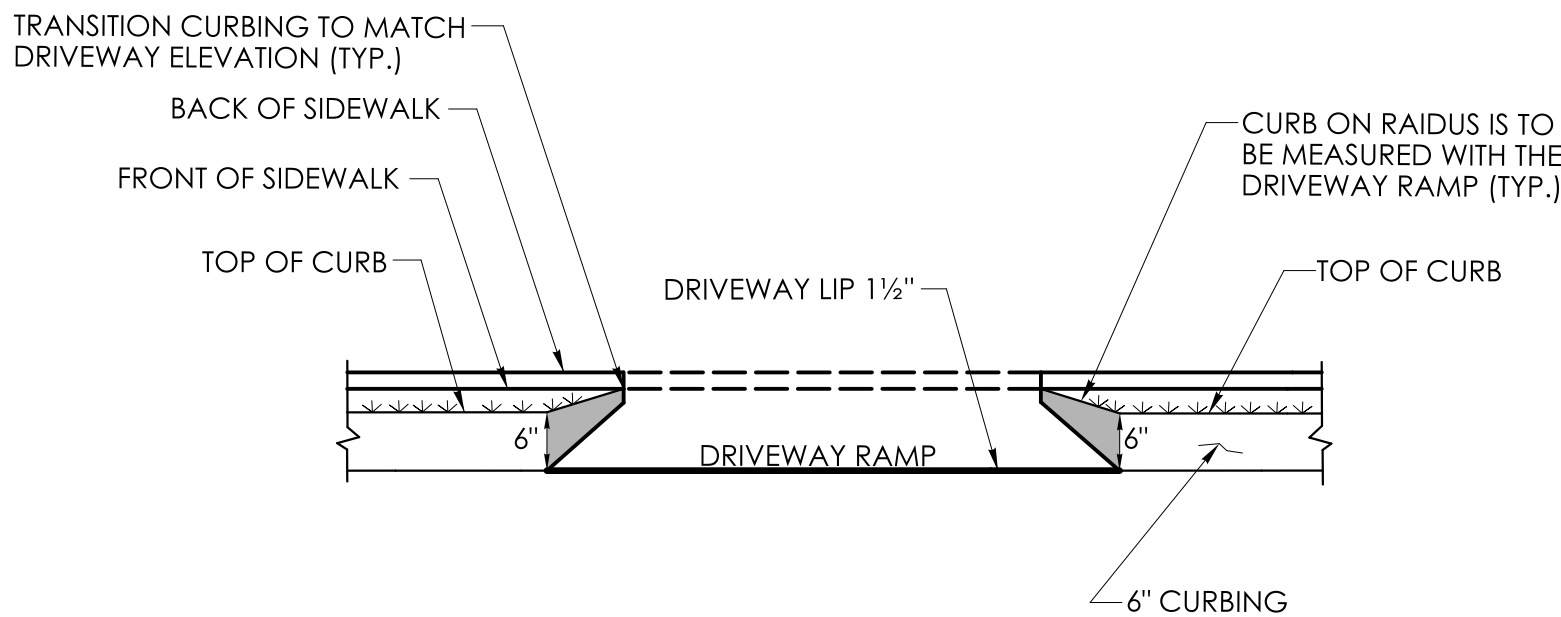
PLAN



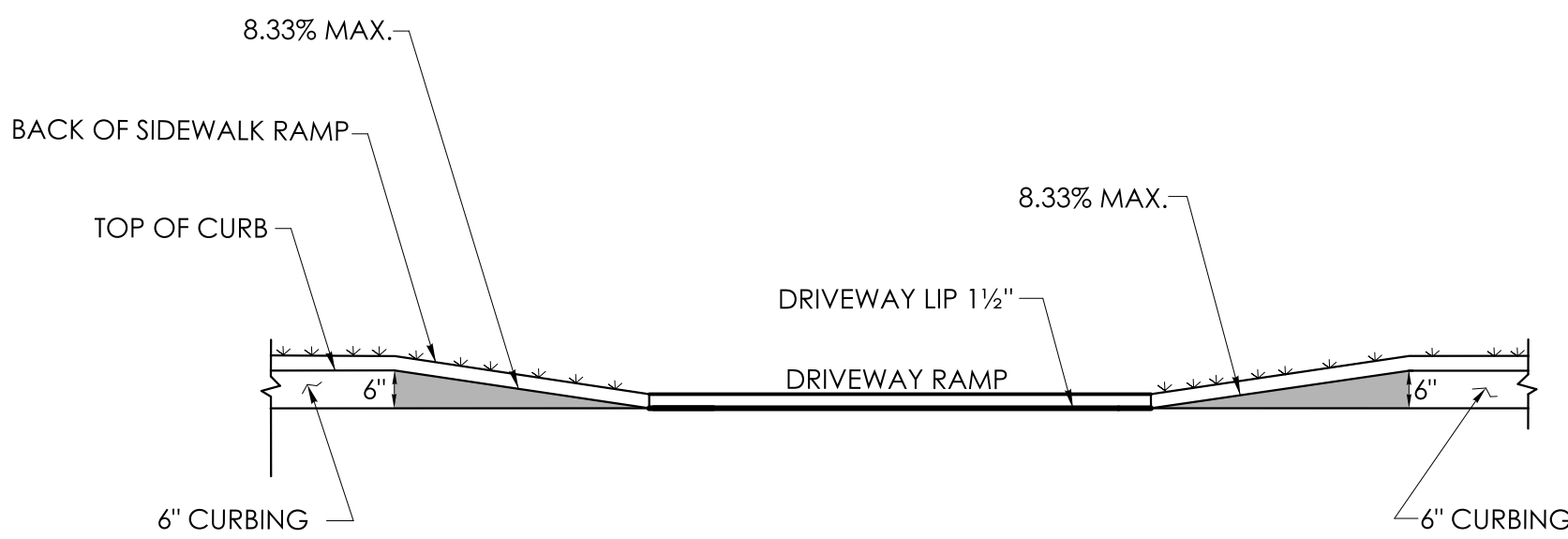
PLAN



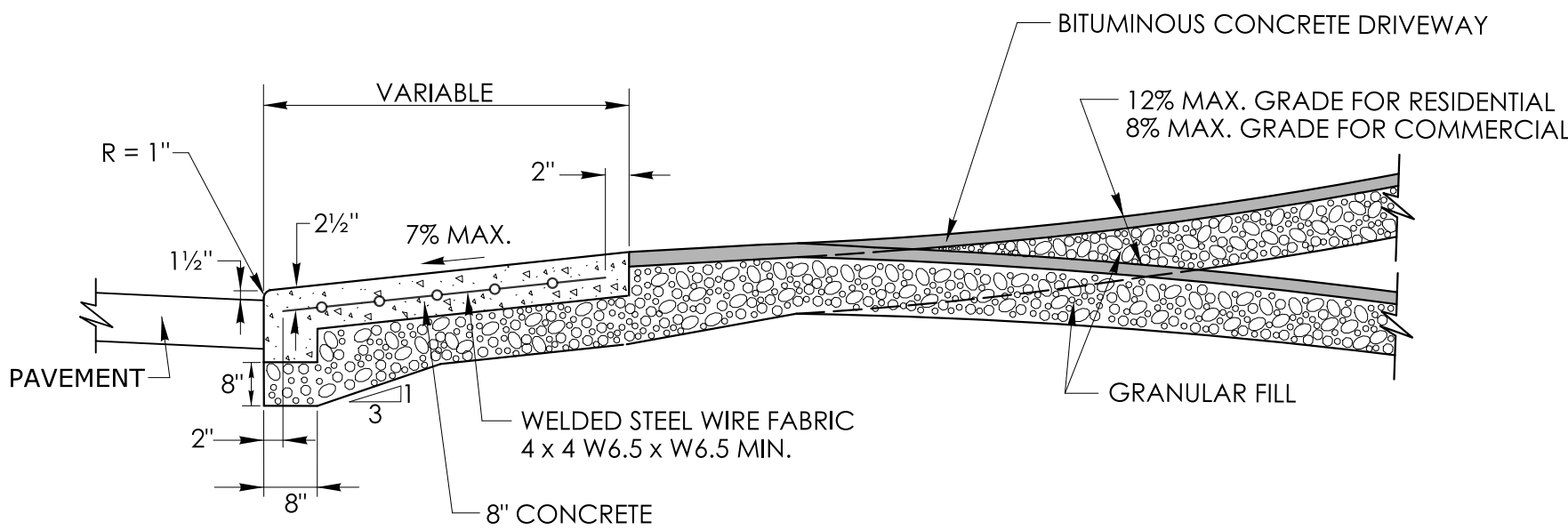
ELEVATION



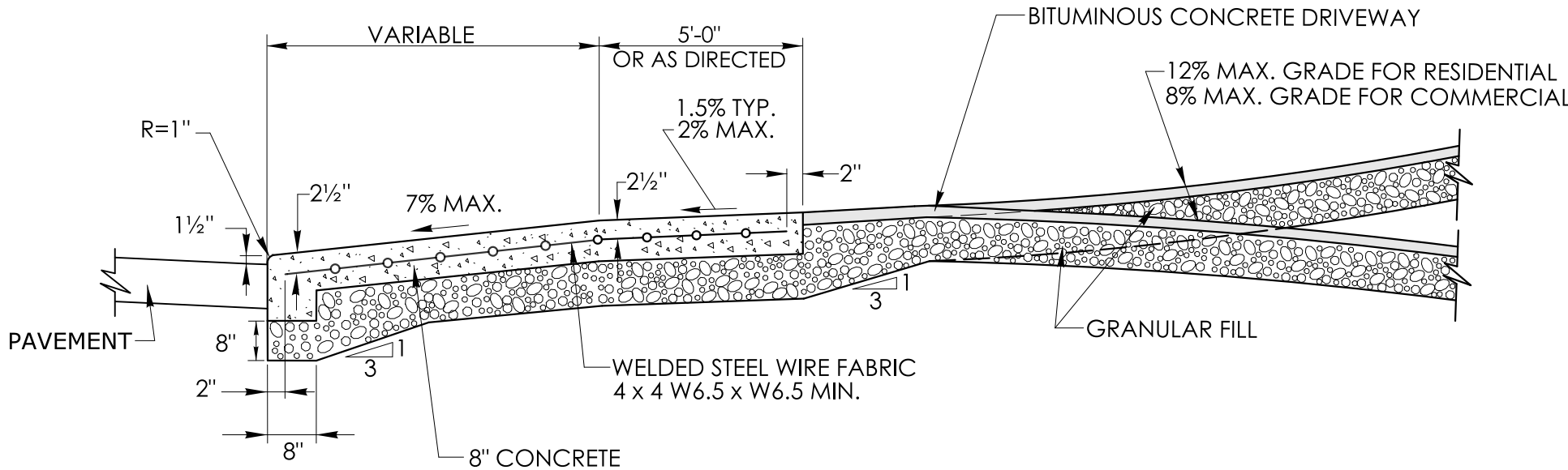
ELEVATION



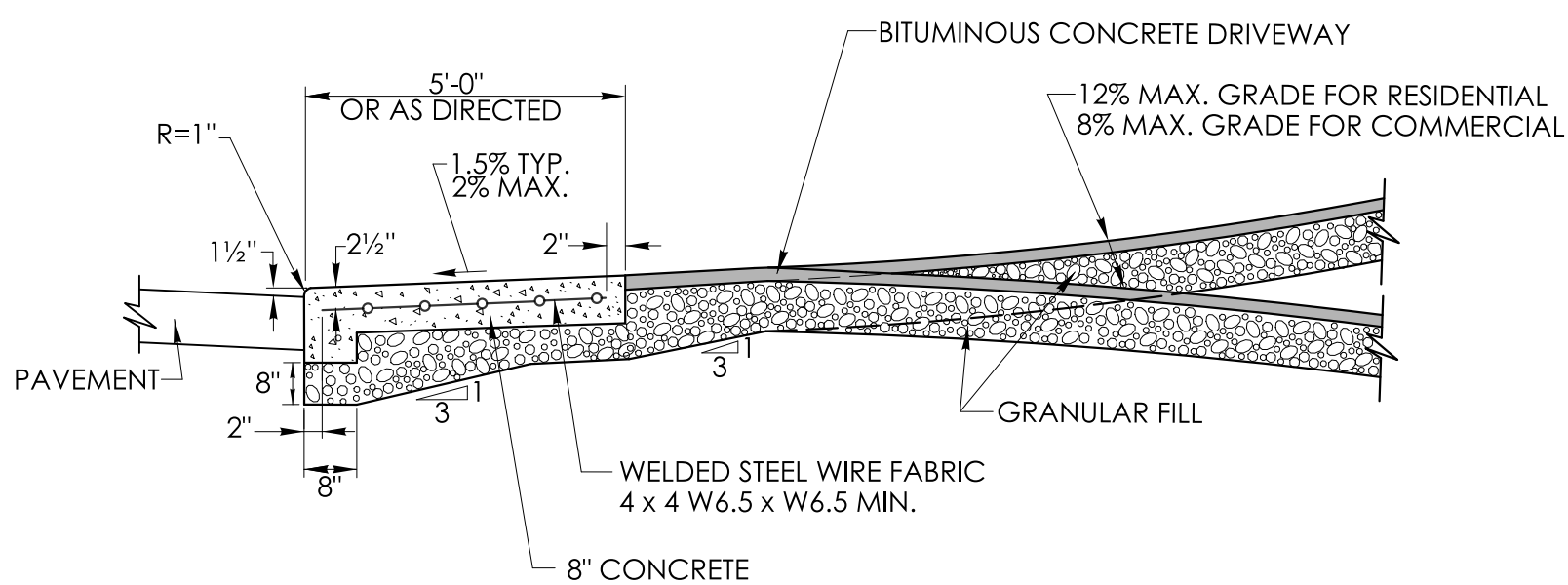
ELEVATION



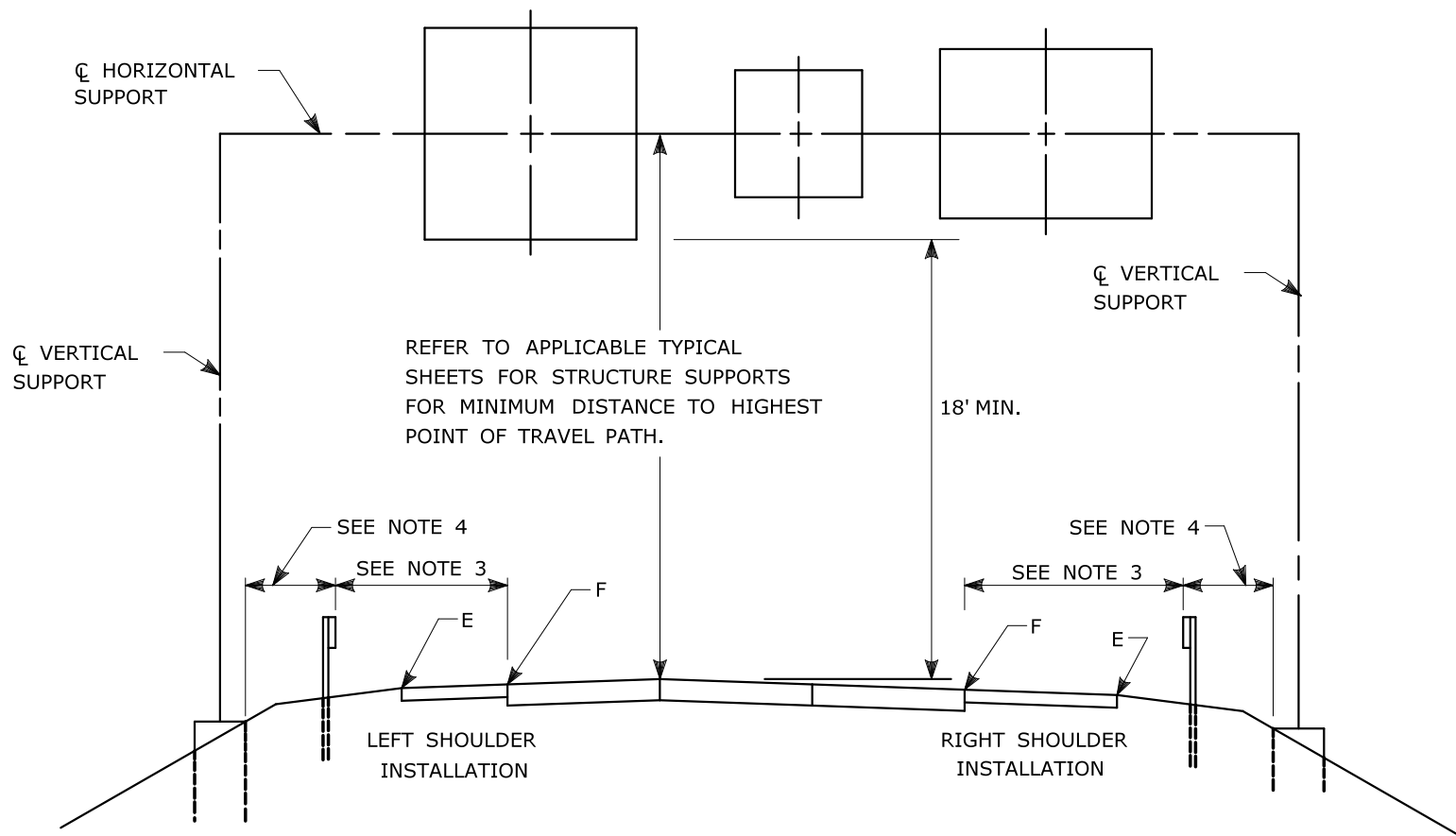
SECTION A



SECTION B

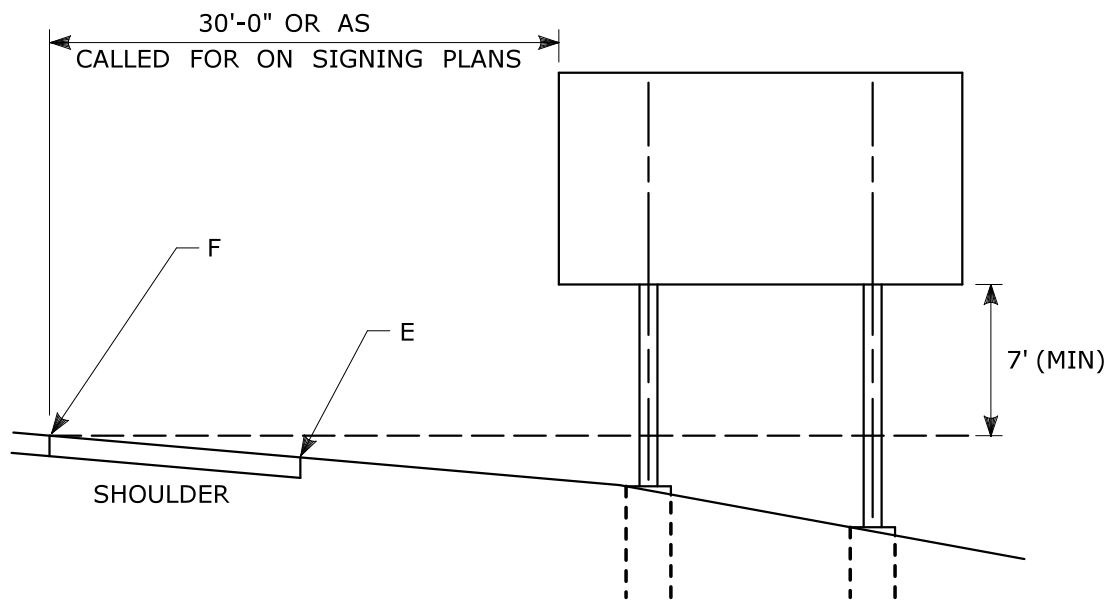


SECTION C



TYPICAL PLACEMENT OF OVERHEAD SIGNS ON SIGN SUPPORTS

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



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

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

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

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

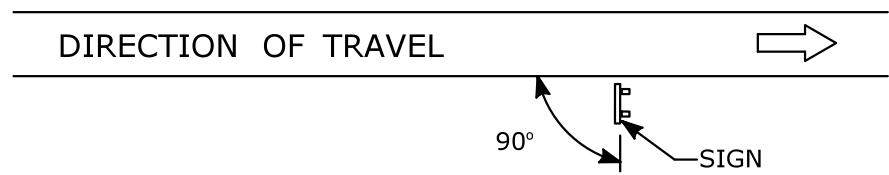


DIAGRAM "A"

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

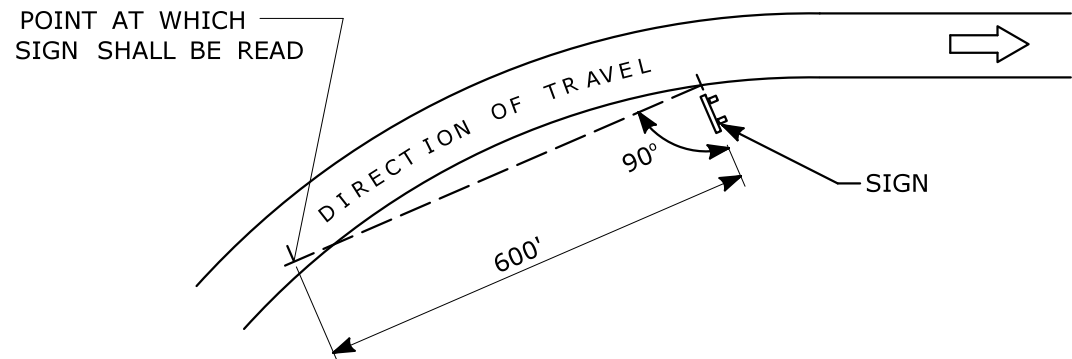
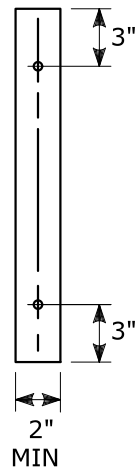


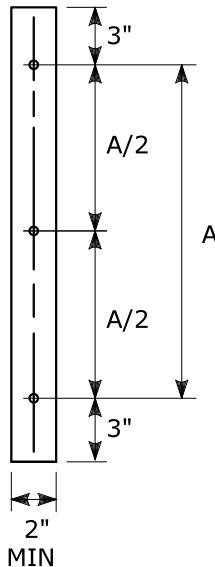
DIAGRAM "B"

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

RETROREFLECTIVE STRIPS
48" LONG OR LESS:



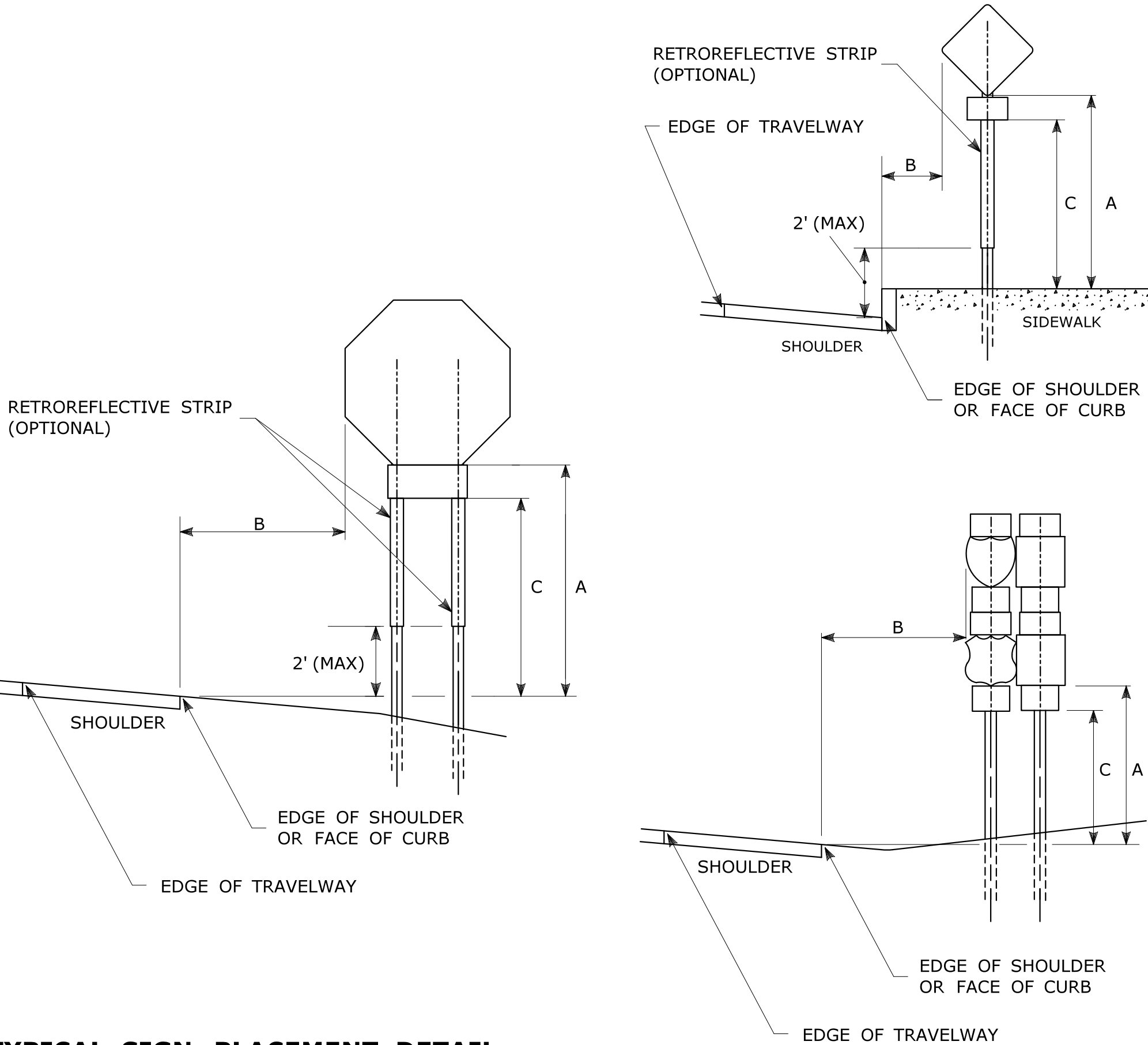
RETROREFLECTIVE STRIPS
OVER 48" LONG:



RETROREFLECTIVE STRIP DETAIL

NOTES:

RETROREFLECTIVE STRIPS WHICH ARE 48 IN LONG OR LESS SHALL BE ATTACHED USING 2 BOLTS AND RETROREFLECTIVE STRIPS OVER 48 IN LONG SHALL BE ATTACHED USING 3 BOLTS AS SHOWN ON THE DETAILS ABOVE.
REFER TO STANDARD SHEET No. TR-1208.02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR MOUNTING DETAILS.
RETROREFLECTIVE STRIP COLOR SHALL MATCH THE BACKGROUND COLOR OF THE SIGN, EXCEPT THAT THE COLOR OF THE STRIP FOR "YIELD" AND "DO NOT ENTER" SIGNS SHALL BE RED.



TYPICAL SIGN PLACEMENT DETAIL

NOTES:

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY.

REFER TO STANDARD SHEET No. TR-1208.02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS AND SIGN MOUNTING.

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

PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

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

① OR AS DIRECTED BY THE ENGINEER

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

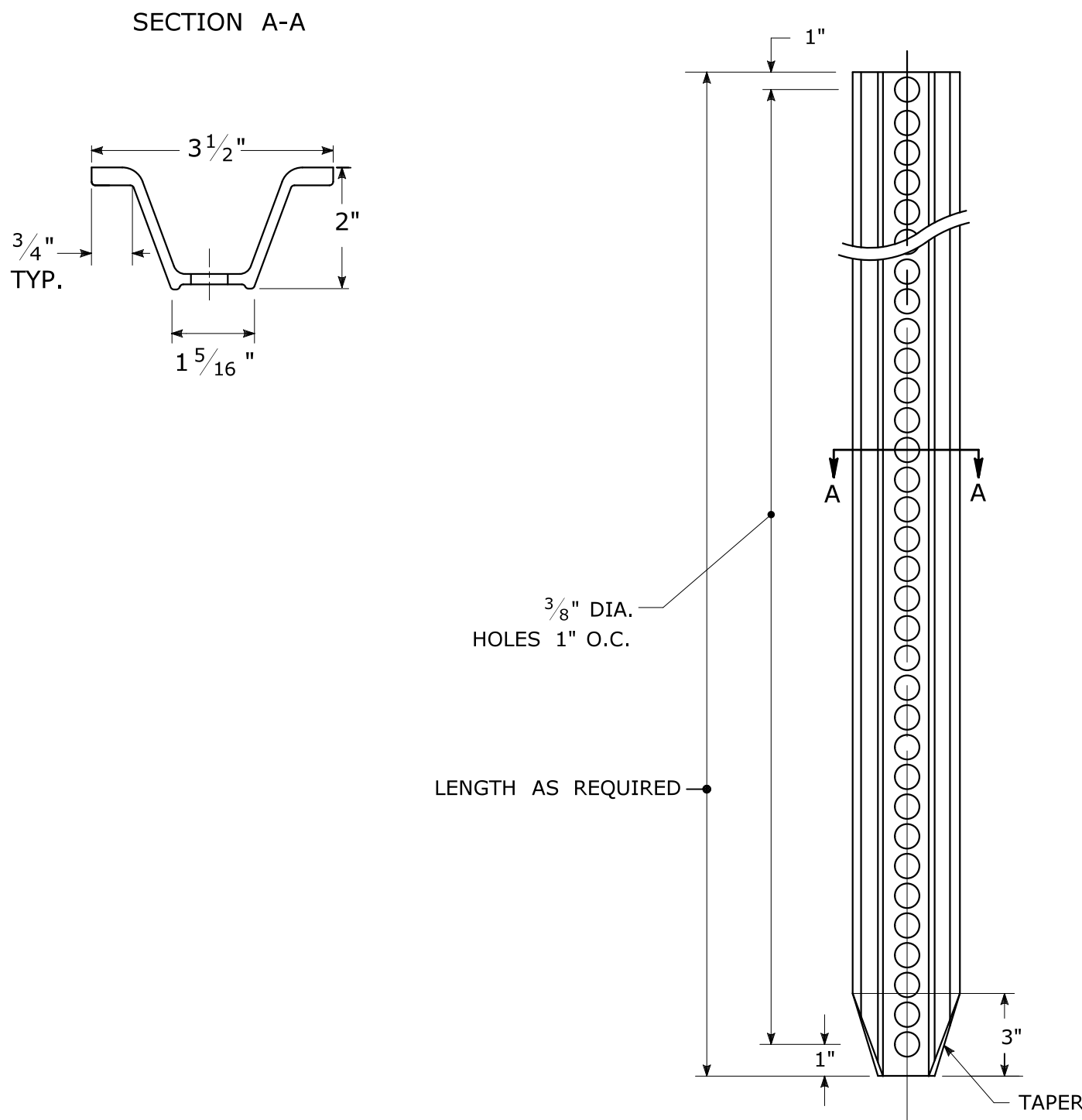
③ 6 FT FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6 FT WIDE
12 FT FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6 FT WIDE.

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

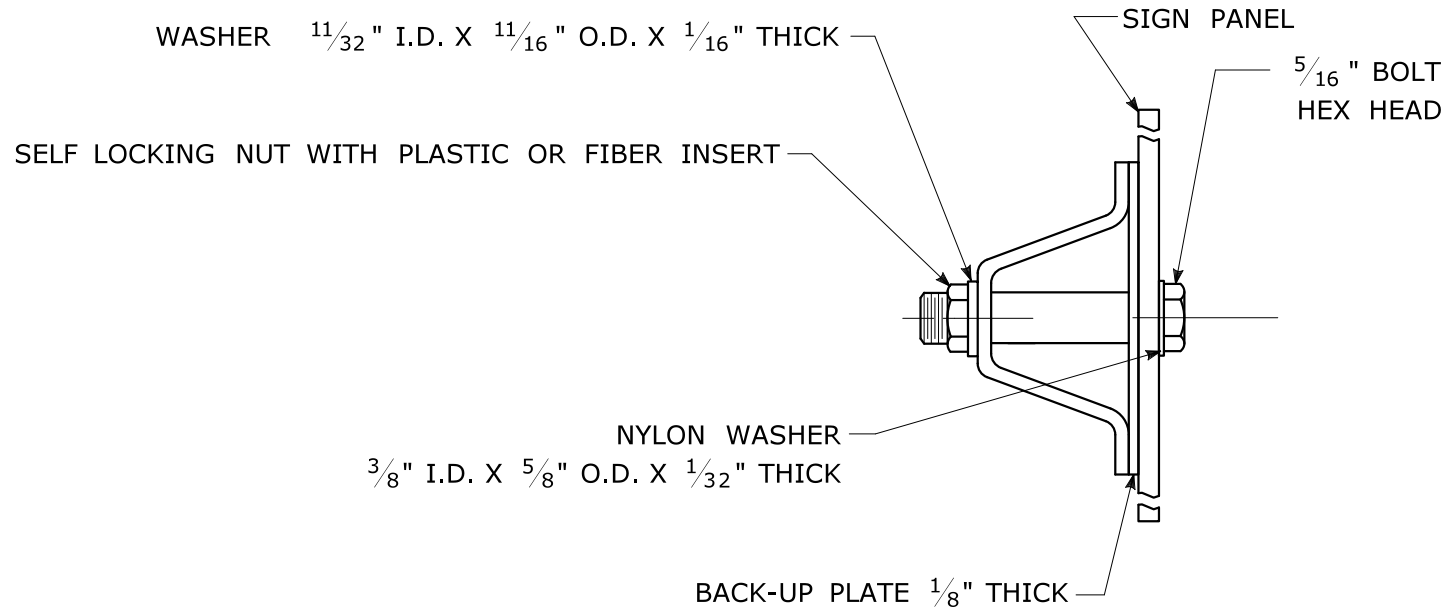
⑤ A CLEAR PATH OF NOT LESS THAN 4 FT SHALL BE PROVIDED IN SIDEWALK AREAS.

			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.			STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	FILENAME: TR_1208_01_1_2018.dgn MODEL: TR-1208_01	SUBMITTED BY: NAME/DATE/TIME: APPROVED BY: NAME/DATE/TIME: 	CTDOT STANDARD SHEET OFFICE OF ENGINEERING	STANDARD SHEET TITLE: SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS	STANDARD SHEET NO.: TR-1208_01
3	8-2018	INCLUDED INCIDENT MANAGEMENT AND MILE MARKER SIGNS.									
2	4-2017	MINOR REVISIONS.									
1	2-2011	MINOR REVISIONS.									
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 8/10/2018	NOT TO SCALE							

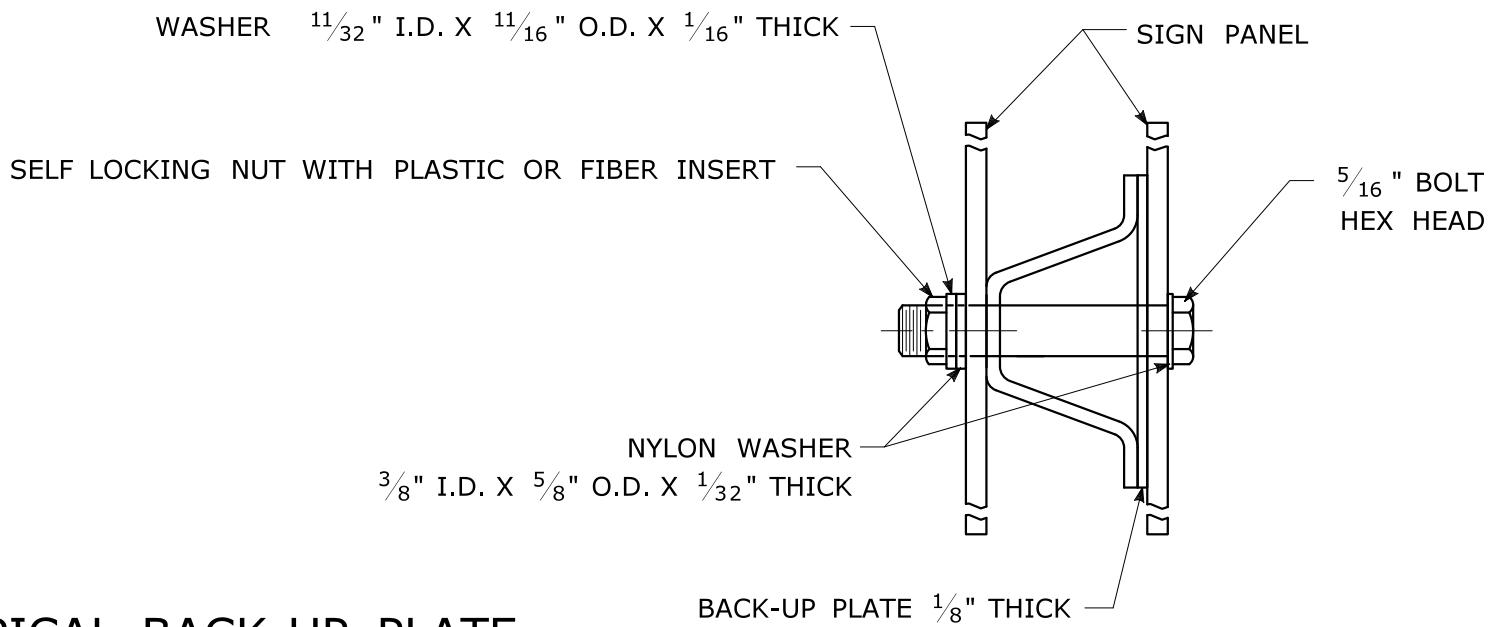
TYPICAL METAL SIGN POSTS



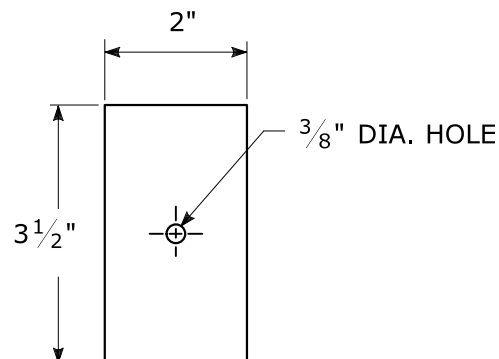
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



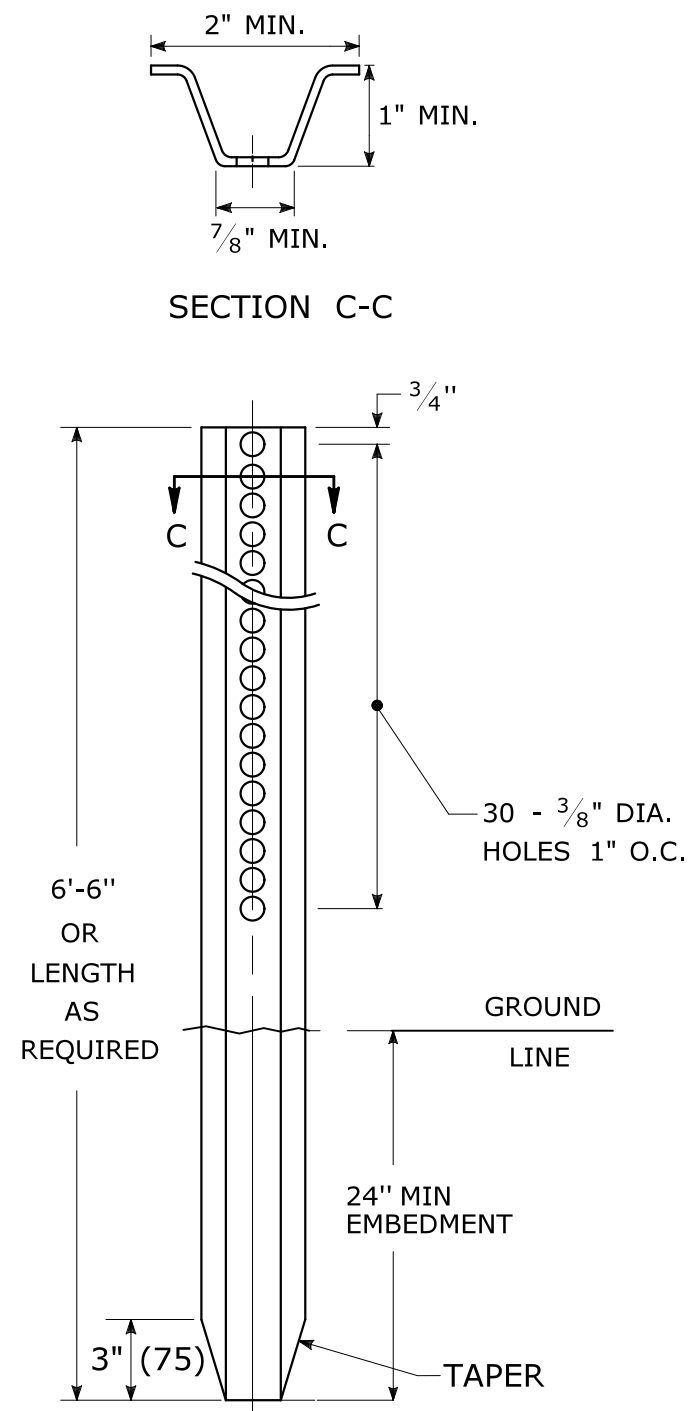
TYPICAL BACK-UP PLATE



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

METAL DELINEATOR POST

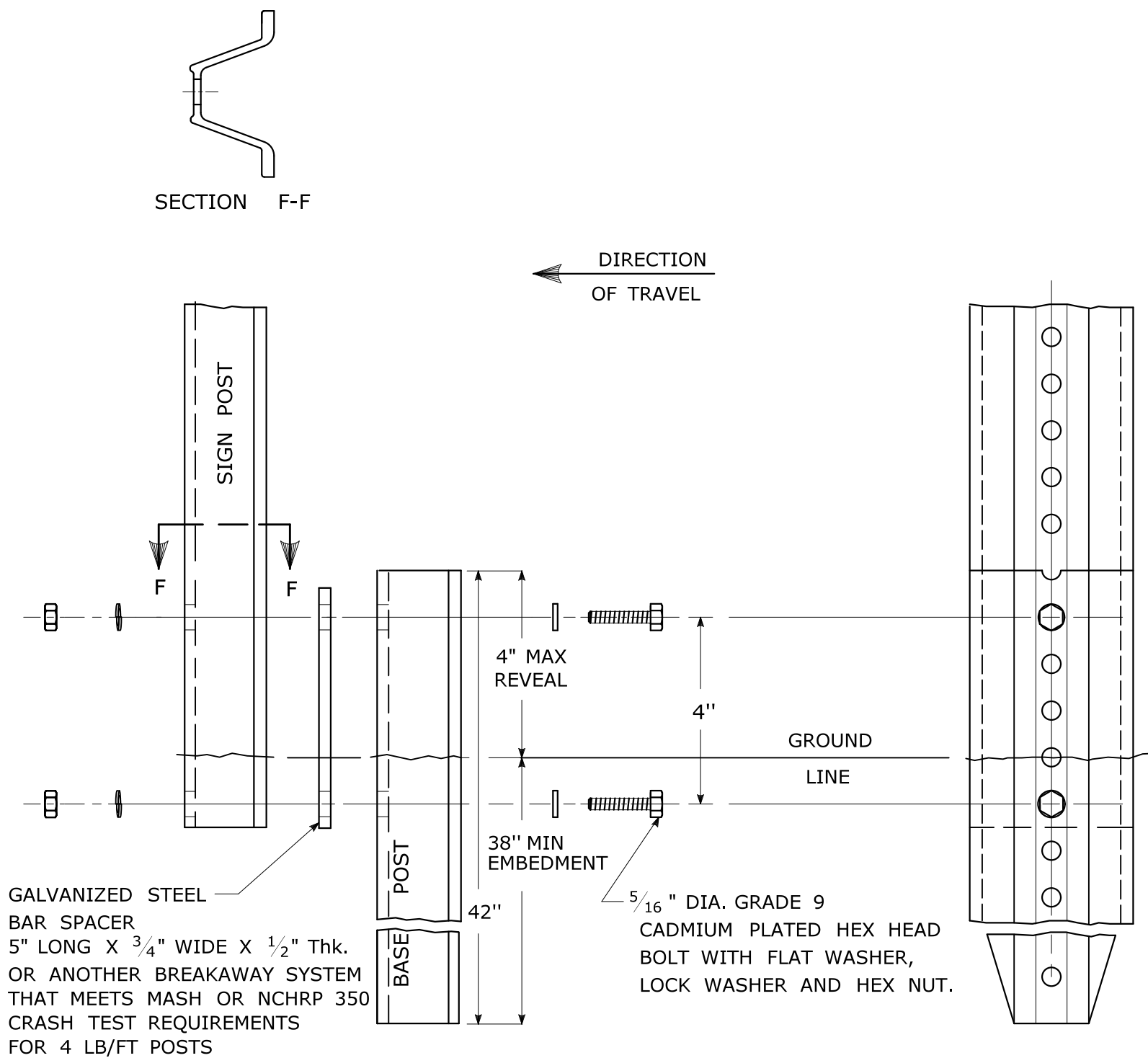
WT./FT. = 1.12 LBS./FT. MIN.



GENERAL NOTES:

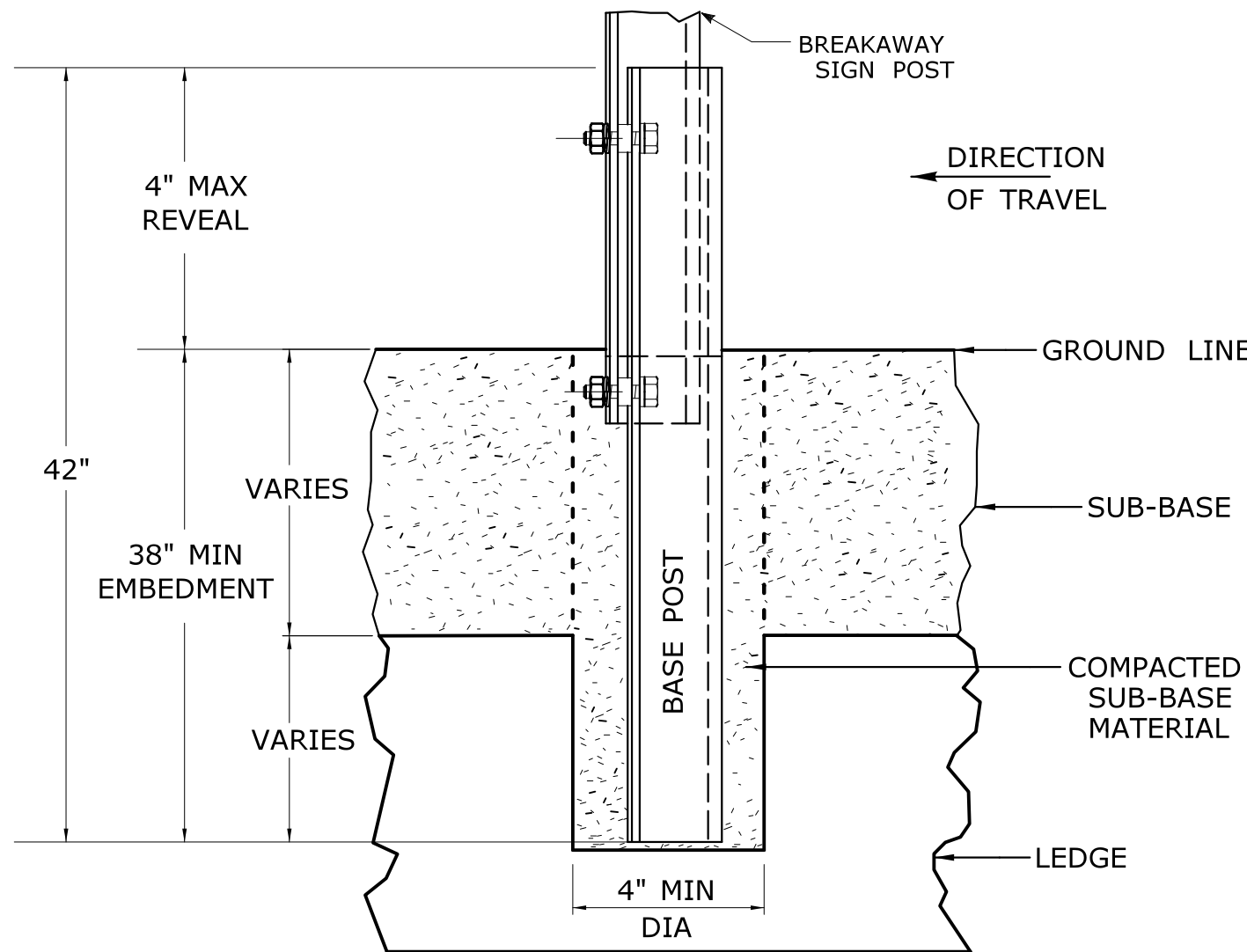
1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 80 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91 LBS. OR GREATER PER LINEAR YARD.
2. AFTER FABRICATION,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

BREAKAWAY INSTALLATION
FOR 4 LBS./FT. POSTS

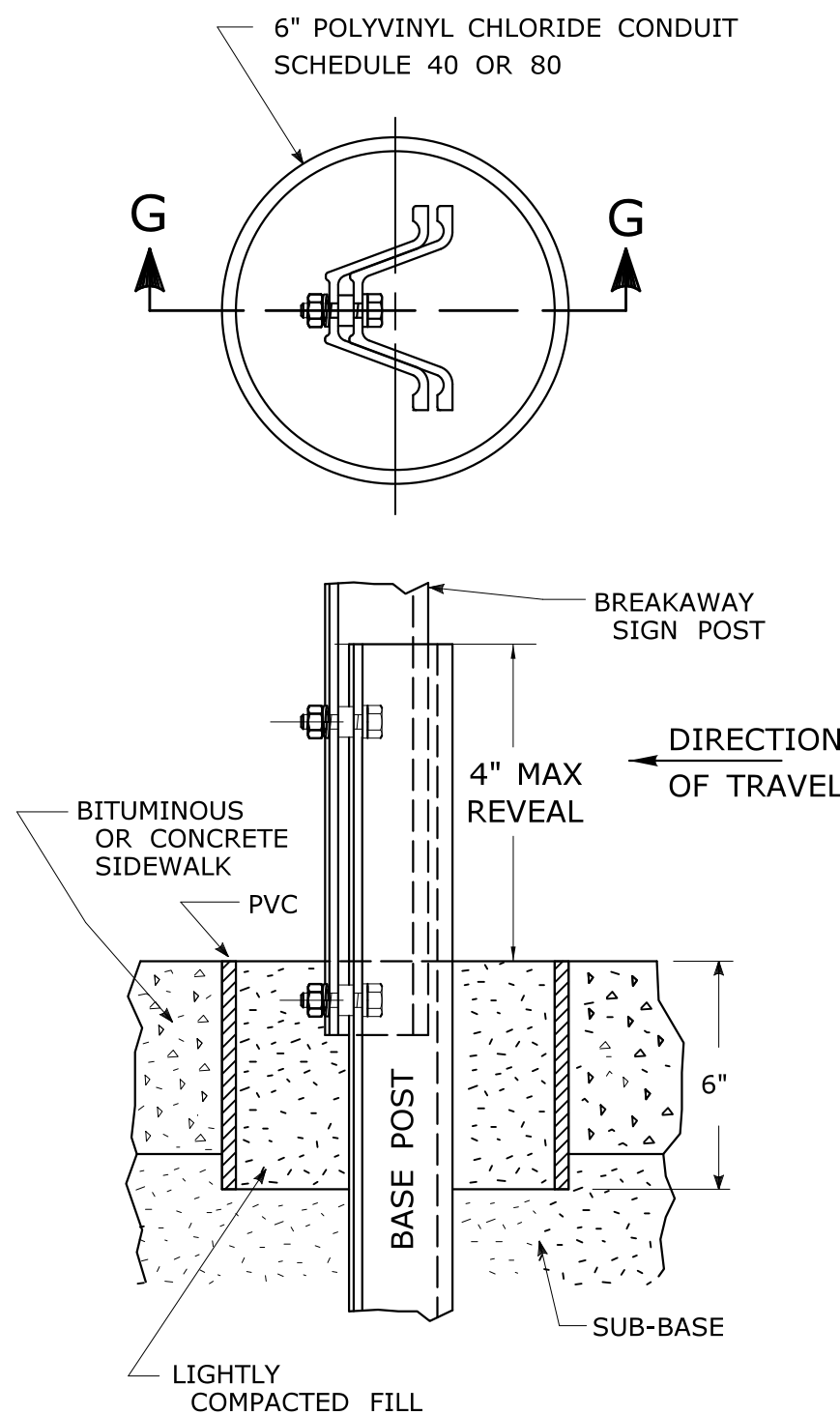


TYPICAL SIGN POST INSTALLATION IN LEDGE

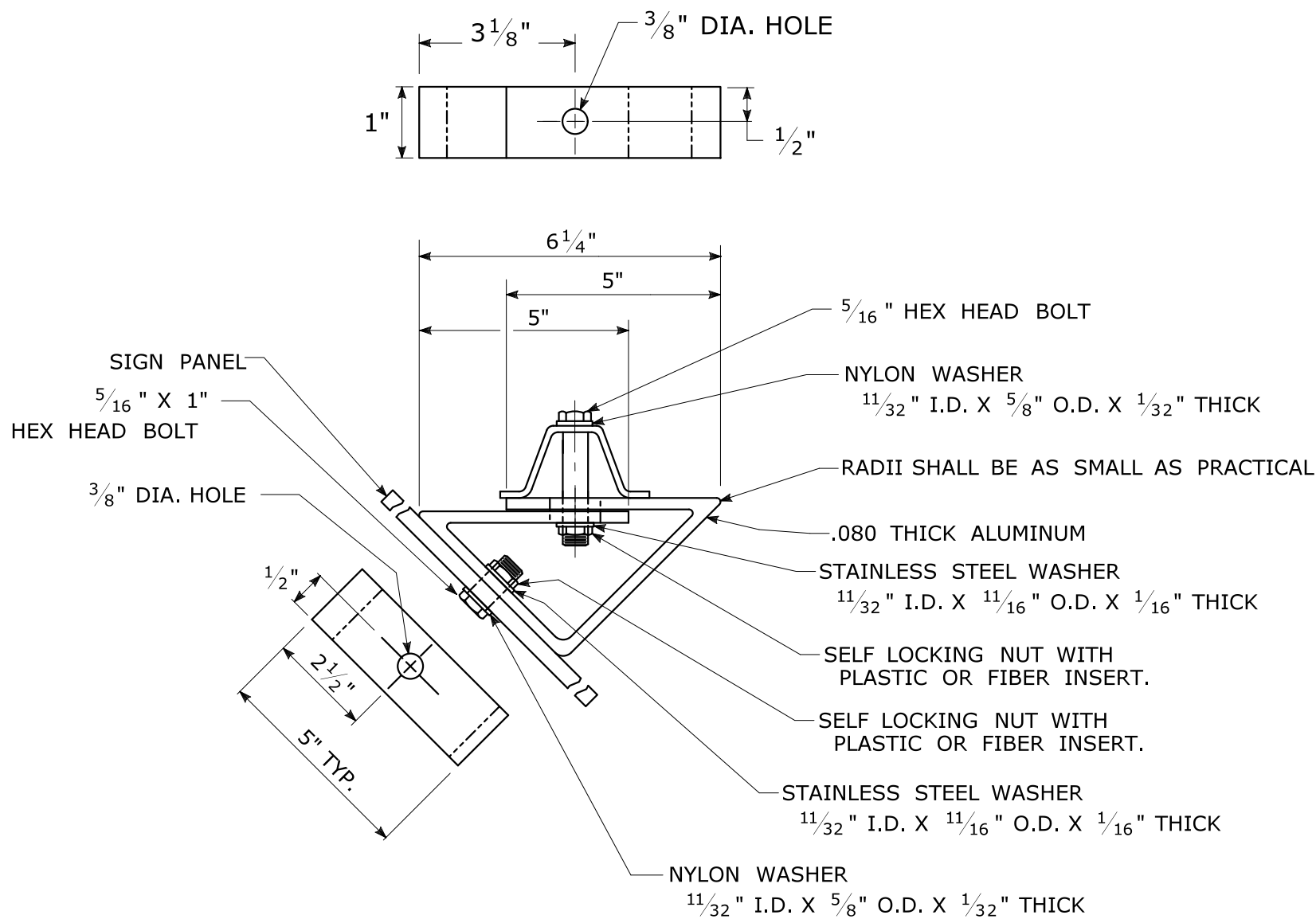
LEDGE SHALL BE REMOVED TO DRIVE THE BASE POST TO A DEPTH OF 38".
HOLE SHALL BE FILLED WITH SUB-BASE MATERIAL AND COMPACTED WITH A TAMPING BAR, OR TECHNIQUE APPROVED BY THE ENGINEER, PRIOR TO BASE POST INSTALLATION.



TYPICAL SLEEVE
FOR PAVED AREAS



45° MOUNTING BRACKET
FOR INSTALLATION OF PARKING SIGNS

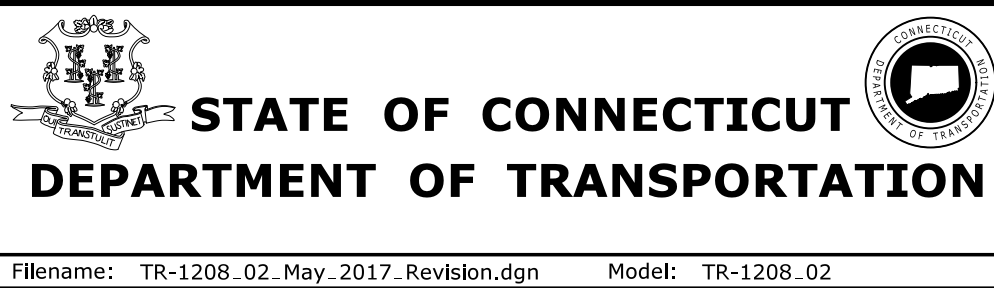


REV.	DATE	REVISION DESCRIPTION
2	6-2017	SIGN POST REVISIONS.
1	2-2011	MINOR REVISIONS.

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Plotted Date: 6/6/2017


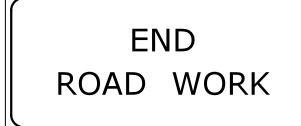




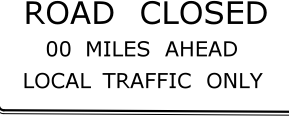



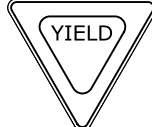


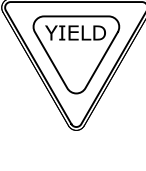


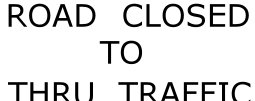

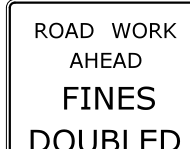
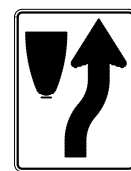


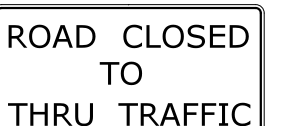


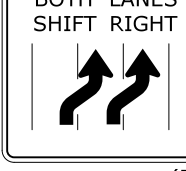
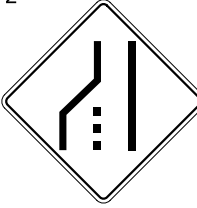
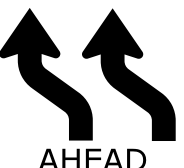

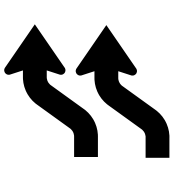


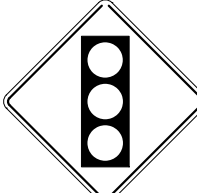

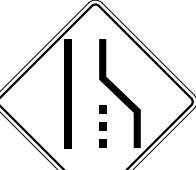
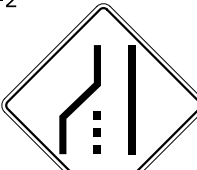
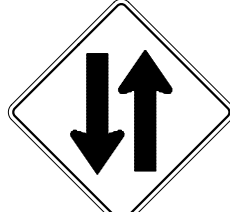
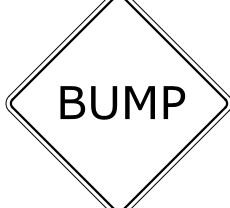





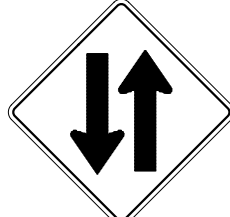
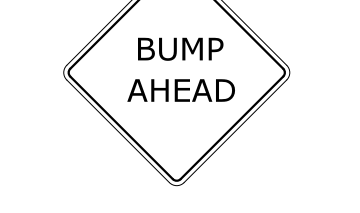

NOT TO SCALE

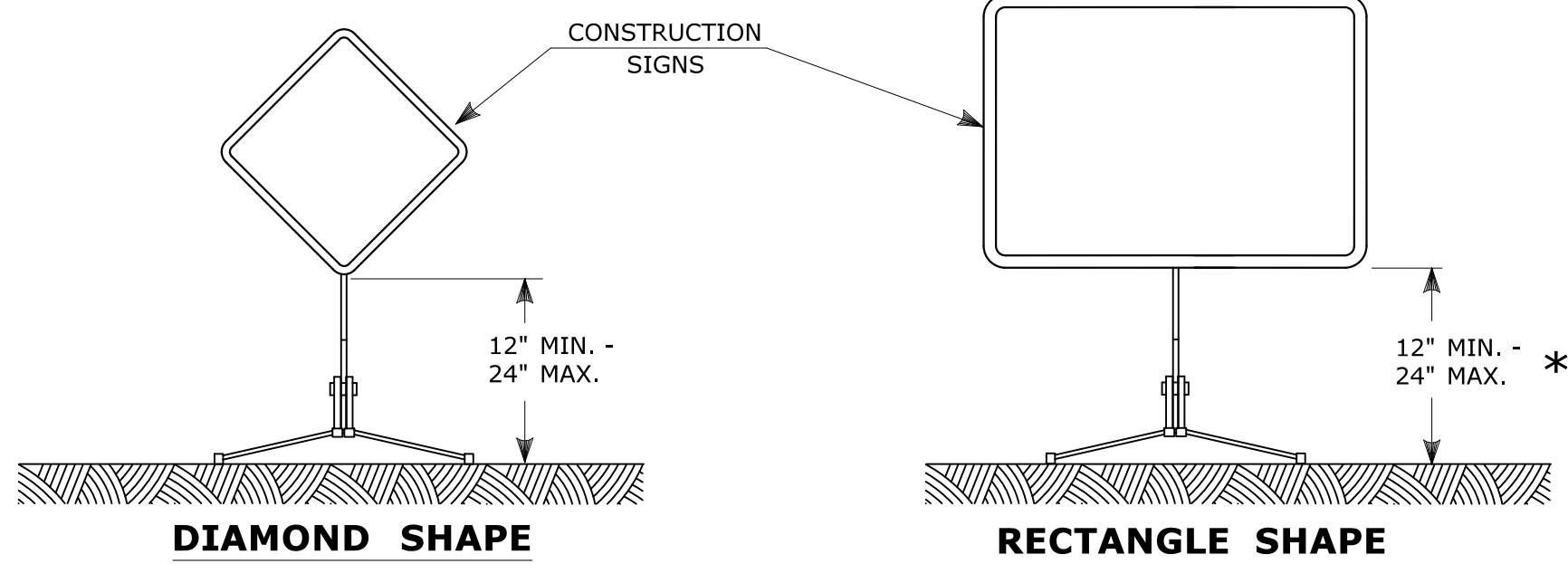


SUBMITTED BY:	NAME/DATE/TIME:
APPROVED BY:	NAME/DATE/TIME:

CTDOT STANDARD SHEET
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:	GUIDE SHEET NO.:
METAL SIGN POSTS AND SIGN MOUNTING DETAILS	TR-1208_02

E5 - SERIES				G20 - SERIES				M4 - SERIES				R1 - SERIES				R9 & R11 - SERIES				W1 - SERIES				W3 - SERIES																																																																																																																			
<div>E5-1</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - GREEN</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>16.0</td><td>48</td><td>51-6147</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	16.0	48	51-6147	2	<div>G20-2a</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - GREEN</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>8.0</td><td>48X24</td><td>80-9612</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	8.0	48X24	80-9612	2	<div>VARIABLE MILEAGE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>90.0</td><td>120X108</td><td>80-9728</td><td></td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	90.0	120X108	80-9728		<div>M4-8</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - RED</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>2.0</td><td>24X12</td><td>80-9707</td><td>1</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	2.0	24X12	80-9707	1	<div>M4-9b</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - RED</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>5.0</td><td>30X24</td><td>80-9703</td><td>1</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	5.0	30X24	80-9703	1	<div>R1-1</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - RED</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>5.19</td><td>30</td><td>31-0552</td><td>1</td></tr><tr><td>13.30</td><td>48</td><td>31-0557</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	5.19	30	31-0552	1	13.30	48	31-0557	2	<div>R9-9</div> <div></div> <div>COPY & BORDER - BLACK BACKGROUND - WHITE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>3.75</td><td>30X18</td><td>80-9076</td><td>1</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	3.75	30X18	80-9076	1	<div>R11-3a</div> <div></div> <div>VARIABLE MILEAGE COPY & BORDER - BLACK BACKGROUND - WHITE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>12.5</td><td>60X30</td><td>80-9077</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	12.5	60X30	80-9077	2	<div>W1-4</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - GREEN</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>9.0</td><td>36</td><td>80-9432L</td><td>1</td></tr><tr><td>9.0</td><td>36</td><td>80-9431R</td><td>1</td></tr><tr><td>16.0</td><td>48</td><td>80-9452L</td><td>2</td></tr><tr><td>16.0</td><td>48</td><td>80-9451R</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	9.0	36	80-9432L	1	9.0	36	80-9431R	1	16.0	48	80-9452L	2	16.0	48	80-9451R	2	<div>W3-1</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - GREEN</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>9.0</td><td>36</td><td>80-9050</td><td>1</td></tr><tr><td>16.0</td><td>48</td><td>80-9051</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	9.0	36	80-9050	1	16.0	48	80-9051	2
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<div>CONSTRUCTION AHEAD</div> <div>SIDEWALK USE RESTRICTED STATE LIABILITY LIMITED</div> <div>GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>16-S</td><td>10.0</td><td>48X30</td><td>80-1619</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	16-S	10.0	48X30	80-1619	2	<div>VARIABLE ARROW</div> <div>COPY & BORDER - WHITE BACKGROUND - BLUE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>9.0</td><td>36</td><td>50-5934</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	9.0	36	50-5934	2	<div>M4-10</div> <div></div> <div>COPY & BORDER - BLACK BACKGROUND - WHITE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>6.0</td><td>48X18</td><td>80-9701R</td><td>2</td></tr><tr><td>6.0</td><td>48X18</td><td>80-9702L</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	6.0	48X18	80-9701R	2	6.0	48X18	80-9702L	2	<div>R4 - SERIES</div> <div></div> <div>COPY & BORDER - BLACK BACKGROUND - WHITE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>5.0</td><td>24X30</td><td>31-1526</td><td>1</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	5.0	24X30	31-1526	1	<div>R4-9</div> <div></div> <div>COPY & BORDER - BLACK BACKGROUND - WHITE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>5.0</td><td>24X30</td><td>31-1517</td><td>1</td></tr><tr><td>12.0</td><td>36X48</td><td>31-1518</td><td>1</td></tr><tr><td>20.0</td><td>48X60</td><td>31-1519</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	5.0	24X30	31-1517	1	12.0	36X48	31-1518	1	20.0	48X60	31-1519	2	<div>R11-2</div> <div></div> <div>COPY & BORDER - BLACK BACKGROUND - WHITE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>2.0</td><td>24X12</td><td>80-9075</td><td>1</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	2.0	24X12	80-9075	1	<div>R11-3b</div> <div></div> <div>COPY & BORDER - BLACK BACKGROUND - WHITE</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>12.5</td><td>60X30</td><td>80-9081</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	12.5	60X30	80-9081	2	<div>W1-8</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - GREEN</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>3.0</td><td>18X24</td><td>80-9401</td><td>1</td></tr><tr><td>5.0</td><td>24X30</td><td>80-9403</td><td>1</td></tr><tr><td>7.5</td><td>30X36</td><td>80-9404</td><td>1</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	3.0	18X24	80-9401	1	5.0	24X30	80-9403	1	7.5	30X36	80-9404	1	<div>W3-3</div> <div></div> <div>COPY & BORDER - WHITE BACKGROUND - GREEN</div> <table><tr><th>AREA (SQ. FT)</th><th>SIZE (INCHES)</th><th>CONN. D.O.T. #</th><th>POSTS</th></tr><tr><td>9.0</td><td>36</td><td>80-9052</td><td>1</td></tr><tr><td>16.0</td><td>48</td><td>80-9053</td><td>2</td></tr></table>				AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	9.0	36	80-9052	1	16.0	48	80-9053	2							
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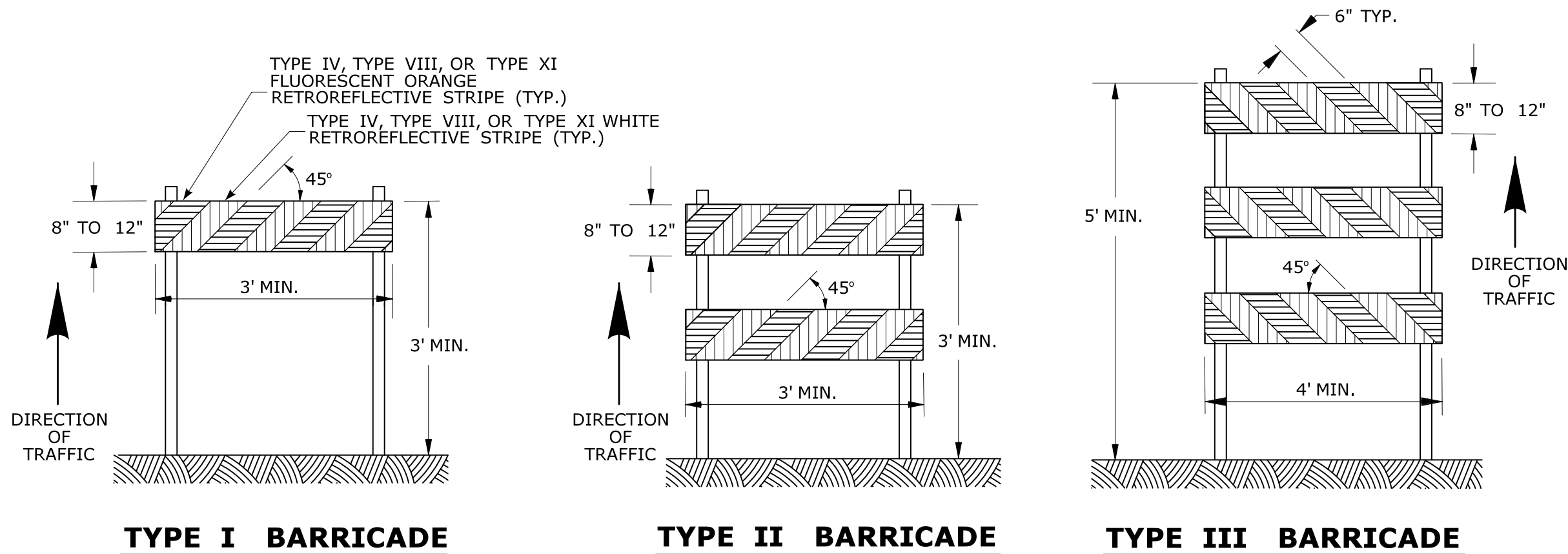


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

- SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
- PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220.01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

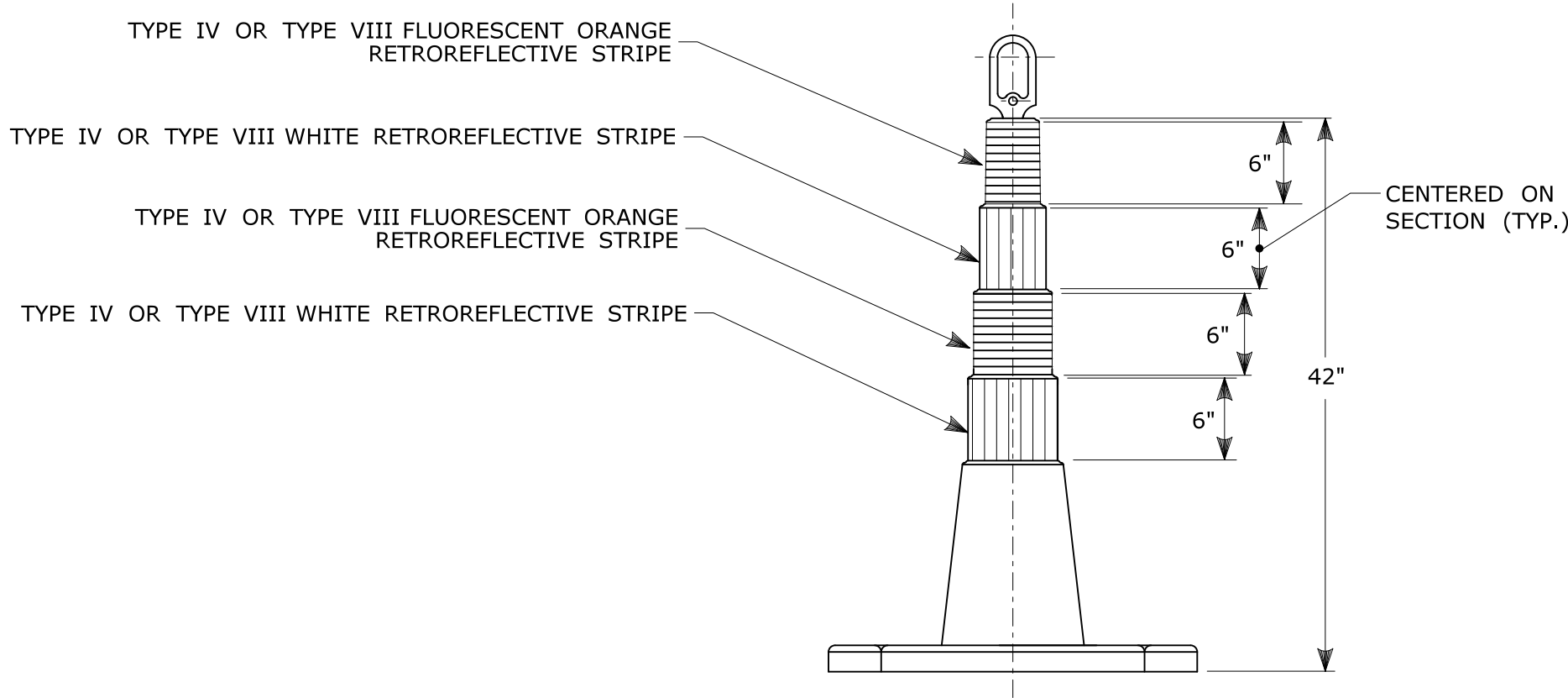
★ FOR E5-1 (EXIT SIGNS) USE MIN 48".



CONSTRUCTION BARRICADES

NOTES:

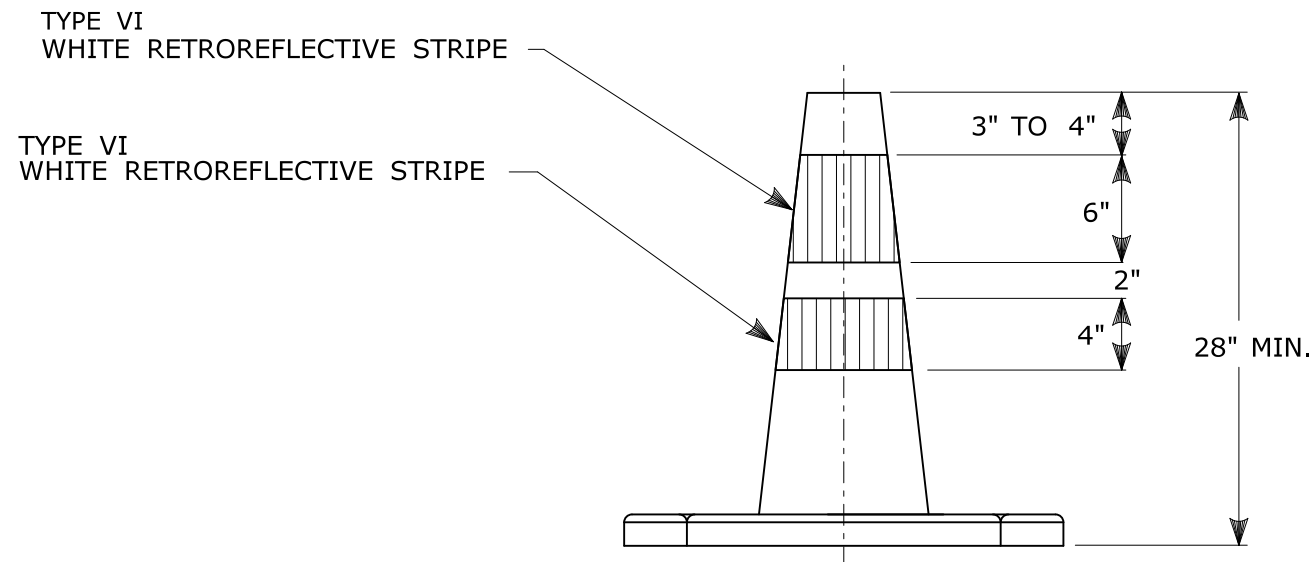
- CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
- MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE FLUORESCENT ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL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



42" TRAFFIC CONE

NOTES:

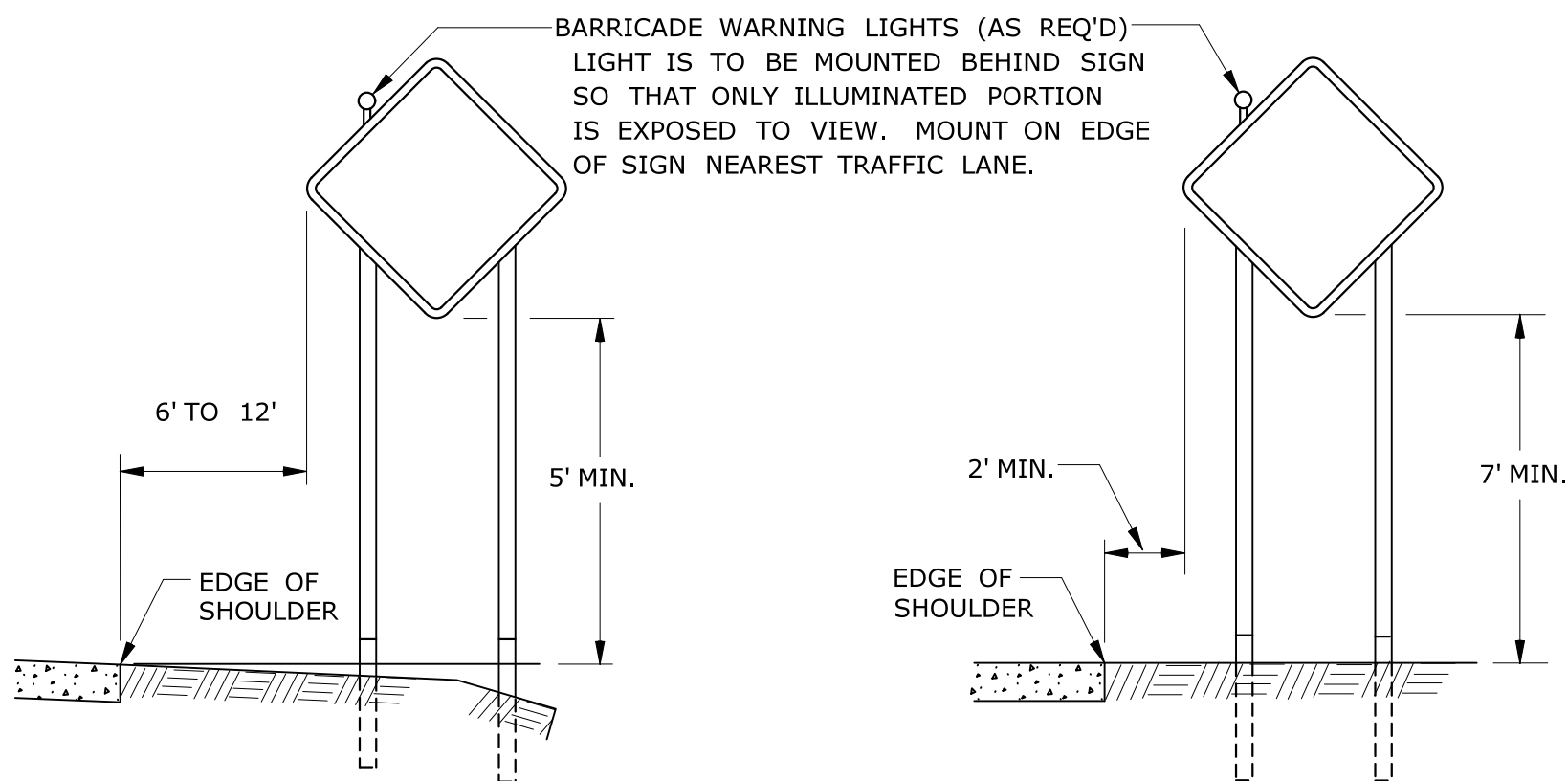
- TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
- IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- THE ENGINEER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



TRAFFIC CONE

NOTES:

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



RURAL AREA

URBAN AREA

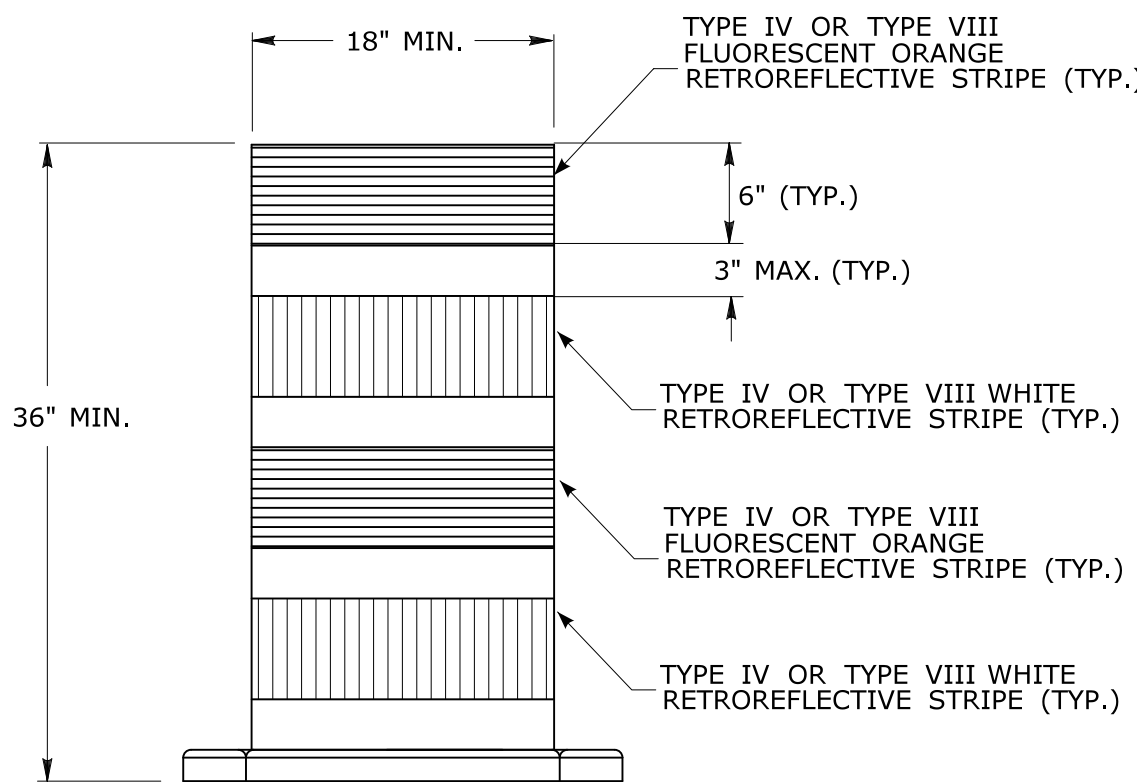
PLACEMENT OF CONSTRUCTION SIGNS
TYPICAL LONG TERM INSTALLATION

NOTES:

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

REFER TO STANDARD SHEETS:



- TR-1208.01 - "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS."
TR-1208.02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."



TRAFFIC DRUM
FRONT VIEW

NOTES:

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

			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.	NOT TO SCALE	<div><div>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</div></div> <div>Filename: TR-1220.02.3.2018.dgn Model: TR-1220.02</div>	SUBMITTED BY: NAME/DATE/TIME:	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES	STANDARD SHEET NO.:
3	8-2018	UPDATED SHEETING TYPE AND COLOR.	APPROVED BY: NAME/DATE/TIME:						
2	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.							
1	2-2011	MINOR REVISIONS.				OFFICE OF ENGINEERING			
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 8/10/2018						



b. PLACE HMA 5.05 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

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