

TOWN OF WINDSOR

ENGINEERING



CONTRACT DOCUMENTS

FOR

CY2025 ON-CALL SIDEWALK REPAIRS

WINDSOR, CT

Proposals will be received until 2:00 P.M. on March 27, 2025, in the Engineering Department, Town Hall, Windsor, Connecticut.

This is an Invitation for Proposals and the Town reserves the right to negotiate and contract with anyone or no one, high or low, as it determines to be in the best interests of the Town of Windsor.

**CY2025 On-Call Sidewalk Repairs
Windsor, CT
E2025-05**

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Request for Proposals
CY2025 On-Call Concrete Sidewalk Repairs
Windsor, CT
RFP E2025-05

THIS IS NOT A REQUEST FOR BIDS AND THE TOWN RESERVES THE RIGHT TO NEGOTIATE AND CONTRACT WITH ANYONE OR NO ONE, HIGH OR LOW, AS IT DETERMINES TO BE IN THE BEST INTERESTS OF THE TOWN OF WINDSOR.

The Town of Windsor is accepting sealed proposals from qualified contractors for the **CY 2025 On-Call Concrete Sidewalk Repairs** project. Proposals will be received until **2:00 PM** on **March 27, 2025** in the Engineering Department, Town Hall, Windsor, Connecticut.

The project will consist of the excavation, removal, disposal and replacement of concrete and reinforced concrete sidewalks, concrete curb ramps, bituminous curbing, bituminous walks, and bituminous concrete driveways at various locations within the Town of Windsor.

Proposals must be executed in accordance with and subject to instructions contained in the Information for Contractors. It is the responsibility of the Contractor to ensure the sealed proposal is delivered prior to the deadline above.

Contractors may obtain complete sets of Bidding Documents online from the State of Connecticut Department of Administrative Services (DAS) CTSOURCE bid board: <https://portal.ct.gov/das/ctsource/bidboard>. Bidding documents will be made available for viewing after 12:00 pm local time on February 27, 2025.

The right is reserved to reject any or all proposals or to waive defects in same if it is deemed in the best interest of the Town of Windsor.

For further information please send questions via email zinky@townofwindsorct.com. Pertinent questions will be answered via Addendum by close of business on March 24, 2025. Addenda will be issued through CTSOURCE. Faxes, mailings, or emails of Addenda will not be provided by the Engineer or Town.

The Town of Windsor is an equal opportunity/affirmative action employer. Disadvantaged, minority, small, and women's Business Enterprises are encouraged to respond.

INFORMATION FOR CONTRACTORS

CY2025 On-Call Sidewalk Repairs Windsor, CT

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INFORMATION FOR CONTRACTORS

1. Intent

The Town of Windsor is soliciting sealed proposals for an on-call Contractor to perform repairs and replacement of sidewalks and curb ramps at various locations throughout the Town.

Contractors are advised that quantities shown as part of the bid may not reflect a true and accurate estimate of the work to be performed. The intent of this bid is to establish unit pricing for the various items shown so that in the event a particular need arises requiring sidewalks or driveway aprons, the Town will have a contractor available at known unit rates.

The Town anticipates the following work will be completed as part of this contract:

- Replacement of concrete sidewalks and ramps on Town property and within the public right-of-way to eliminate trip hazards
- Installation or replacement of concrete curb sidewalk ramps along roadways included in the Town's upcoming Annual Paving Program
- Installation or replacement of concrete sidewalks and ramps on Town property as part of other municipal projects
- Incidental improvements associated with contract include resetting of brick pavers, removal and replacement of curbing, driveway repairs, and lawn restoration.

The Contractor must be prepared by having adequate labor, materials, and equipment available to start and complete work within the periods of time specified herein. The Contractor is advised that replacement of concrete sidewalks and ramps along roads to be paved as part of the Town's Annual Paving Programs must be completed prior to commencement of road work.

2. Receipt of Proposals

This solicitation is a request for proposals and not a request for bids. The Town reserves the right to negotiate and contract with anyone or no one, low or high, as it determines to be in the best interests of the Town of Windsor.

Proposals for performing the work hereinafter described will be received in the Engineering Department, Town Hall, 275 Broad Street, Windsor, CT until the time and date as shown on the title page of the contract documents.

3. Preparation of Proposals

Proposals must be made on the form furnished by the Town of Windsor and attached hereto. Contractors will state, both in numerals and in words, the proposed price for the work. If any price is omitted, the blank may be filled with the highest price proposed by any other contractor for such omitted item or the entire proposal may be rejected.

The unit price and/or lump sum for each of the several items in the proposal of each contractor shall include its pro rata share of overhead so that the sum of the products obtained by multiplying the quantity shown for each item by the unit price and/or lump sum proposal represents the total proposal. Any proposal not conforming to this requirement may be rejected as informal. The special attention of all contractors is called to this provision, for should conditions make it necessary to revise the quantities, no limit will be fixed for such increased or decreased quantities nor compensation allowed.

The following documents shall be submitted with proposals. Proposals not including all forms shall be considered incomplete and will be rejected.

1. Proposal Form
2. List of proposed subcontractors
3. List of a minimum of five (5) references for similar work
4. Copy of Contractor's current "Contractor Prequalification Certificate" issued by the State of CT Department of Administrative Services or Copy of Contractor's current "Contractor Prequalification" issued by the State of CT Department of Transportation (CON-16)

4. Competency of Contractors

The Town reserves the right to select contractors and may refuse to consider a proposal form from any individual, firm or corporation based upon, but not limited to, one or more of the following facts:

- (1) For having defaulted on previous contracts or is currently in litigation or arbitration with the Town of Windsor.
- (2) For having failed to complete contracts within the time required without acceptable reasons.
- (3) For having performed similar work in an unsatisfactory manner.
- (4) For having failed to prosecute work continuously, diligently and cooperatively in an orderly sequence.
- (5) When in the Town's judgment the contractor does not have the required experience in the class of work to be performed, fails to have proper labor and equipment to prosecute the work within the time allowed, or fails to have sufficient capital and quick assets to finance the work.

5. Rejection of Proposals

Proposals may be rejected if they show any irregularities, omissions, alteration of form or additions not called for, or do not comply with instructions to contractors, or contain conditional or alternate items, unless proposals on alternate materials are specifically called for in the proposal form.

6. Modification by E-mail or Facsimile

Any contractor may modify his proposal by e-mail or facsimile at any time prior to the scheduled closing time for receipt of proposals, provided such communication is received by the Town prior to the closing time, and provided further that the Town is satisfied that a written confirmation of the modification with the signature of the contractor was mailed prior to the closing time. The communication should not reveal the proposal price but should provide the addition or subtraction or other modification so that the final prices or terms will not be known by the Town until the sealed proposal is opened. If written confirmation is not received within two (2) days from the closing time, no consideration will be given to the modification.

7. Errors or Omissions

The Contractor shall be and is required to check all dimensions and quantities on the Contract Drawings and all statements in the Information for Contractors and Specifications before undertaking any portion of the work, and shall notify the Engineer of all errors or omissions therein, which he may discover by such examination and checking. The Contractor will not be allowed to take advantage of any error or omission in these Specifications or in the Contract Drawings or in the Information for Contractors. Full instructions will be issued by the Engineer should such error or omission be discovered and the Contractor shall carry out such instructions as if originally specified.

8. Subcontracts

The Contractor is advised that any person, firm or other party to whom it is proposed to award a subcontract under this contract must be acceptable to and approved by the Town.

9. Qualifications of Contractor

The Town of Windsor may make such investigation as deemed necessary to determine the ability of the contractor to discharge his contract. The contractor shall furnish the Town with all such information and data as may be required for that purpose. The Town reserves the right to reject any proposal if the contractor fails to satisfactorily convince the town that he is properly qualified by experience and facilities to carry out the obligation of the contract and to satisfactorily complete the work called for herein. Conditional proposals will not be accepted.

10. Disqualification of Contractors

Any or all proposals will be rejected if there is reason to believe that collusion exists among the contractors, and no participants in such collusion will be considered in future proposals for the same work. Proposals in which the prices obviously are unbalanced may be rejected. Unbalanced prices shall be interpreted to mean that the unit price for any item is such that it is unreasonable for that particular item when considered by itself and not considered in connection with the proposal submitted on any other item or items. No contract will be awarded except to competent contractors capable of performing the class of work contemplated.

11. Damages for Failure to Enter into Contract

The party to whom the contract is awarded will be required to execute the agreement and within ten (10) calendar days from the date when notice of award is delivered to the contractor.

12. Addenda & Interpretations

Any request from prospective contractors for interpretation of meaning of contract drawings, specifications or other contract documents shall be made in writing to the Project Engineer, Jenna Zinky at zinky@townofwindsorct.com or 275 Broad Street, Windsor, CT 06095. **All questions must be received at least seven (7) days prior to date fixed for submission of proposals in order to be considered.**

Interpretations will be made in form of written addenda to contract documents, which addenda shall become a part of contract. Addenda will be posted to CTSource at least three (3) days prior to date for receipt of proposals. Faxes, mailings, or emails of Addenda will not be provided by the Engineer or Town. Failure of any contractor to receive any such addenda shall not relieve the contractor from any obligation under his proposal as submitted.

13. Execution of Contract & Notice to Proceed

Upon receipt of acceptable insurance certificates and signed agreement, the Town will, within ten (10) days, enter into and sign the Agreement unless it deems it not to be in the best interest of the Town.

The Town will be proposing the work to be completed in multiple phases. The Town will coordinate the schedule of work with the assistance of the selected Contractor. Each phase of work will be initiated by a Work Order issued by the Town Engineer or their designee. The work order shall serve as the Notice to Proceed for the work outlined.

The Contract term may be extended, by mutual agreement between all parties, for up to three (3) annual renewals.

14. Time of Completion

The Town will be proposing the work to be completed in multiple phases throughout the term of the contract. The Town will coordinate the schedule of work with the assistance of the selected Contractor. Continuous progress, as determined by the Engineer, shall be made by the Contractor on sidewalk repair and replacement work throughout the contract period.

The Contractor is advised that replacement of concrete sidewalks and ramps along roads to be paved as part of the Town's Annual Paving Programs must be completed prior to commencement of road work.

Each designated area of sidewalk repair and replacement work shall be completed and disturbed areas shall be restored within seven (7) calendar days from the start of work in that area. No excavated areas shall be left open for a period of more than 48-hours.

15. Conditions of Work

At the date fixed for the receipt of proposals, it will be presumed that each contractor has made an examination of the work to be done under contract and has read and become thoroughly familiar with Contract Documents, including contract specifications and addenda.

16. Method of Award

This solicitation is a request for proposals and not a request for bids. The Town reserves the right to negotiate and contract with anyone or no one, low or high, as it determines to be in the best interests of the Town of Windsor.

It is intended that the contract or contracts will be awarded to the lowest qualified, responsible and eligible contractor(s) possessing the skill, ability, and experience necessary to faithfully perform the work. However, the Town reserves the right to reject any or all proposals, for any reason the Town deems advisable, and to award the contract(s) to any of the contractors submitting proposals for the work regardless of number of proposals.

Any proposal in which the prices obviously are unbalanced is a cause for the proposal to be rejected. Unbalanced prices shall be interpreted to mean that the unit price for any item is such that it is unreasonable for the particular item when considered by itself and not considered in connection with the cost submitted on any other item or items.

The contractor to whom the award is made will be notified at the earliest possible date. The successful contractor shall execute and deliver to the Town, within ten (10) days after notification of the award, an agreement in the form included in the contract documents, in such number as the Town shall require.

17. Laws and Regulations

The contractor's attention is directed to the fact that all applicable federal and state laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full.

18. Sales Tax

Under the terms of the regulations referring to CONTRACTORS and SUBCONTRACTORS issued by the State Tax Commission in administration of the State Sales and Use Tax, to which the contractor is referred, the contractor may purchase materials or supplies to be consumed in the performance of this contract without payment of tax and shall not include in his proposal nor charge any use or sales tax thereon.

Any non-resident Contractor shall obtain and provide to the Town of Windsor a certificate from the Connecticut Commissioner of Revenue Services of compliance with Connecticut General Statutes Section 12-430(7) or the Town will be required to deduct five percent (5%) of all amounts payable to such non-resident Contractor and pay it over to the Commissioner of Revenue Services.

19. Insurance

The Contractor shall provide all insurance documents as specified in Article 33 of the General Conditions, including insurance documents for all proposed Subcontractors, within the time specified above.

20. Rights-of-Way

The Town shall provide, upon request, any information which is pertinent to and delineates and describes the land owned and rights-of-way acquired or to be acquired.

21. Limit of Construction

The contractor is advised that the limit and location of work will be established based on the funding allocation and the proposal results. The proposal quantity established reflects the total amount of work desired for completion in Calendar Year 2025. However, the contractor is advised that the town may elect to extend or delete portions of the contract to maximize funding allocations.

22. Compliance with The Town of Windsor Code of Ethics

No former town employee in administrative pay grade 3 or above and no former board of education employee in a cabinet level position or above shall work for a private firm who has a contract with the town any time within six months after terminating service with the town. If this occurs, the vendor could be subject to penalties up to and including contract termination. (Chapter 2, Article IV, Section 11. Sec. 2-30.)

SPECIAL CONDITIONS

CY2025 On-Call Sidewalk Repairs Windsor, CT

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SPECIAL CONDITIONS

1. Inspection

Authorized representatives and agents of the Town of Windsor shall have access and be permitted to inspect all work, materials, payrolls, contract records, invoices of materials and other relevant data in the development and progress of the project.

2. Labor Standards/Wage Rates

State prevailing occupational wage rates and labor standards in accordance with the Connecticut Department of Labor (CT DOL) Wage and Workplace Standards **SHALL NOT** apply.

3. Permits

The Town will obtain "Encroachment Permits" from the State of Connecticut Department of Transportation prior to the contractor commencing construction within any state right-of-way and shall be responsible for all associated fees and requirements.

All other permits required by the Town or other agencies shall be the sole responsibility of the Contractor unless provided for under this contract.

All local permits and licenses necessary for completion of work, including General Excavation Permits, shall be secured by Contractor. **The Town will waive the fees associated with local permits and licenses required for this project.**

4. Protection and Coordination of Utilities

Existing utilities shall be maintained during construction except as specifically stated herein and/or noted on the plans and as coordinated with the utilities. The Contractor shall verify the location of underground, structure mounted and overhead utilities. Construction work within the vicinity of utilities shall be performed in accordance with current safety regulations.

The Contractor shall notify "Call Before You Dig", dial 811 or go to CBYD.com for the location of public utility, in accordance with Section 16-345 of the Regulations of the Department of Utility Control.

Representatives of the various utility companies shall be provided access to the work, by the Contractor.

Contractors are cautioned that it is their responsibility to verify locations, conditions, and field dimensions of all existing features, as actual conditions may differ from the information shown on the plans or contained elsewhere in the specifications.

The Contractor shall notify the Engineer prior to the start of work and shall be responsible for all coordination with the Engineer. The Contractor shall allow the Engineer complete access to the work.

The Contractor shall be liable for all damages or claims received or sustained by any persons, corporations or property in consequence of damage to the existing utilities, their appurtenances, or other facilities caused directly or indirectly by the operations of the Contractor.

Any damage to any existing private and public utility, as a result of the Contractor's operations, shall be repaired to the utility's and Engineer's satisfaction at no cost to the Town or the Utilities, including all materials, labor, etc., required to complete the repairs.

The Contractor's attention is directed to the requirements of CT DOT Form 819 Section 1.07.13 – "Contractor's Responsibility for Adjacent Property, Facilities and Services".

Prior to opening an excavation, effort shall be made by the Contractor to determine whether underground installations, i.e., water, sanitary, gas, electric ducts, communication ducts, etc., will be encountered and, if so, where such underground installations are located. When the excavation approaches the estimated location of such an installation, the exact location shall be determined by the Contractor through careful probing or hand digging, and when it is uncovered, proper supports shall be provided by the Contractor for the existing installation. Utility companies shall be contacted and advised of proposed work prior to the start of actual excavation, as noted above.

The Contractor shall coordinate all utility relocations with the respective utility company.

The Contractor shall notify appropriate utility companies two weeks in advance of the required valve box, handholes, or other utility box adjustments as shown on the plans. The Contractor will be responsible for making these adjustments, unless directed otherwise by the Engineer.

5. Public Utility Plans and Utility Specifications

It is the Contractor's responsibility to coordinate all utility relocations and there will be no reimbursement for any delays caused by utility relocations. The contractor's stage construction must accommodate the required utility relocations.

The contractor is hereby notified that all utility specifications contained elsewhere herein shall be made a part of this contract, and that the contractor shall be bound to comply with all requirements of such specifications. The requirements and conditions set forth in the subject specifications shall be binding on the contractor just as any other specification would be.

6. Emergency Vehicle Access

The Contractor is hereby notified that emergency vehicle access through the project during construction shall be maintained at all times and shall be considered a priority in terms of public safety. The Town will not consider delay or other claims associated with temporary work stoppage due to emergency responses.

Contact information for the Windsor Volunteer Fire Department and Police Department shall be:

Windsor Volunteer Fire Department
Chief William Lewis
275 Broad Street
Windsor, CT 06095
Phone: 860-285-1983
Emergency Calls: 911

Windsor Police Department
Chief Don Melanson
110 Addison Road
Windsor, CT 06095
Phone: 860-688-5273
Emergency Calls: 911

7. Safety Signs and Traffic Control

The Contractor shall furnish all warning signs, barricades, detour signs, including appropriate illumination, to ensure the safety of local traffic, cyclists, pedestrians, workmen, or any person in the vicinity of the construction area and establish such warning and traffic signs as directed. All signs shall be in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways, as published by the U.S. Department of Transportation, Federal Highway Administration, latest issue.

8. Daily Cleanup

Before the completion of each day's work, the Contractor shall be responsible for cleaning up and removing or relocating all excavated material, debris, equipment and the like and for temporarily backfilling or filling excavations as necessary to ensure the continuous flow of traffic in roadways where work is progressing, including access to private property during non-working hours.

9. Dust Control

The Contractor is responsible for controlling air pollution at all times during work of this contract, 24 hours a day, 7 days per week, including non-working hours, weekends and holidays.

The Contractor shall comply with all State and Federal regulations pertaining to dust control. Particular attention shall be made to the Regulations of Connecticut State Agencies Section 22a-174-18a,b "Control of Particulate Emissions."

The Contractor shall submit a dust control plan to the Engineer within 30 days after the Award of the Contract. The dust control plan shall include contact information for the responsible individual(s) from the contractor (24-hour availability) who have authority to implement necessary controls. The plan should detail dust control procedures for anticipated activities that may typically generate dust (ex. Jack hammering, saw-cutting pavement, haul roads, material storage sites, etc.)

10. Signs

Any signs disturbed or removed by the Contractor, whether shown on the plans or not, shall be reset or replaced at the Contractor's expense as directed by the Engineer. Any traffic control devices damaged due to negligence shall be replaced by the contractor at his expense.

11. Surveys

The Contractor will furnish all lines, grades and measurements in laying out the work. Such stakes or marks as the Contractor may set shall be preserved by the Contractor. If such stakes are moved or destroyed by any party, they shall be replaced by the Contractor at the Contractor's expense.

If any existing Windsor Highway bounds, CT Department of Transportation bounds, or any other public or private property bounds are disturbed during construction, they will be carefully and exactly replaced under the supervision of the Engineer. This work shall be at the expense of the Contractor.

12. Verification of Plan Dimensions and Field Measurements

The Contractor is responsible for verifying all dimensions before any work is begun. Dimensions of the existing structures shown on the plans are for general reference only; they are not guaranteed. The Contractor shall take all field measurements necessary to assure proper fit of the finished work and shall assume full responsibility for their accuracy. When shop drawings and/or working drawings based on field measurements are submitted for approval and/or review, the field measurements shall also be submitted for reference by the reviewer.

In the field, the Contractor shall examine and verify all existing and given conditions and dimensions with those shown on the plans. If field conditions and dimensions differ from those shown on the plans, the Contractor shall use the field conditions and dimensions and make the appropriate changes to those shown on the plans as approved by the Engineer. All field conditions and dimensions shall be so noted on the as-built drawings submitted for approval.

There shall be no claim made against the Town by the Contractor for work pertaining to modifications required by any difference between actual field conditions and those shown by the details and dimensions on the contract plans. The Contractor will be paid at the unit price bid for the actual quantities of materials used or for the work performed, as indicated by the various items in the contract.

13. Metric Units

The Contractor is hereby notified that a number of the CT State standard details list English units and the equivalent metric units in parentheses. It should be noted that this is an English unit project and any references to metric units should be disregarded.

14. Materials Testing

The Town is authorized to conduct, or have conducted, such tests as deemed necessary, including tests of concrete used in work under these specifications. The contractor shall furnish to the Town, at no additional cost, concrete under job conditions for the making of

standard test cylinders. The Town Engineer shall base his approval of methods and details of proportioning, batching, mixing and placing of concrete upon the results of these tests.

The contractor shall forward daily to the Town Engineer, a copy of each concrete delivery slip for each truck load of concrete which will include all data as specified.

The Town will be responsible for all sampling and testing. The responsibility of payment for such test will be the Town's unless the quality of work or material does not meet the specifications. In such cases, the Contractor will pay for all unsatisfactory tests taken.

15. Reports, Records, and Data

The Contractor and each of his subcontractors shall submit to the Town, schedules of quantities and costs, progress schedules, payroll reports, estimates, records and other data as the Town may request concerning the work performed or to be performed under this contract.

16. Right to Eliminate Work

The Town of Windsor reserves the right to eliminate from the Contract any of the items of work. This includes limiting the scope of work, in the event it deems it to be in the best interest of the Town.

17. Conditions of the Site and Constraints

The Contractor shall furnish all warning signs, barricades, and other temporary traffic control devices to ensure the safety of local traffic, bicyclists, pedestrians, and transit users in the vicinity of the construction area. The work site will be maintained in an orderly manner and protected to ensure that no possibility exists where people may wander onto the construction site, fall into an open excavation or be injured due to the site conditions. If in the opinion of the Engineer or the Inspector, the site is not protected against such possibilities, the Contractor may be directed to provide temporary fencing or other protective measures to insure the safety of the work area. Any such measures so ordered will be at the expense of the Contractor. No additional compensation will be granted.

Required precautions shall be taken concerning noise, clean up, safety, security, etc.

All excavation, trench cuts or other temporary disturbances of the travel surface shall be filled, leveled, and compacted in order to maintain vehicle passage. Gravel, stone, temporary bituminous, or other methods used to stabilize an area for safe passage will be the responsibility of the Contractor. If directed by the Engineer to make the parking area passable, the Contractor will immediately correct the deficiency at no additional cost to the Town.

The Contractor must submit to the Engineer for review and approval any areas he intends to use for staging and laydown. In addition to review and approval by the Engineer, potential sites to be obtained by the Contractor from private owners must be submitted to the Town of Windsor for approval. The Contractor must submit verification of approval to the Engineer prior to use.

18. Sanitary Provisions

The Contractor shall provide and maintain in a neat and sanitary condition such accommodations for the use of his employees as may be necessary to comply with the requirements and regulations of the State Department of Health or of other bodies or tribunals having jurisdiction therewith.

19. Use of Reclaimed Materials

Notwithstanding any language to the contrary in the Contract Documents, including the Technical Specifications, Form 819, etc. the Contractor shall **not** use any reclaimed materials on this project from sources outside the project limits. This prohibition does not apply to any reclaimed product used to produce Superpave, subject to DOT specifications.

20. Submittals for Imported Aggregates

In addition to the requirements of CT DOT Form 819, the Contractor is hereby notified of the requirement to provide product data submittals which include, but may not be limited to, test results on the gradation, abrasion and soundness of the aggregate materials proposed for use on this project. The tests must be current and based on a specific source location/pile. No material shall be imported until the Engineer issues a written approval.

21. Project Execution

The Town will be proposing the work to be completed in multiple phases from date of contract through December 31, 2025.

The attached Work Order Form will be used by the Town to initiate each phase of work. The Town Engineer, or their designee, will order work as needed. The Town will coordinate the schedule of work with the assistance of the selected Contractor. Continuous progress, as determined by the Engineer, shall be made by the Contractor on sidewalk repair and replacement work throughout the contract period.

Each designated area of sidewalk repair and replacement work shall be completed and disturbed areas shall be restored within seven (7) calendar days from the start of work in that area. No excavated areas shall be left open for a period of more than 48-hours.

The Contractor shall notify the Engineering Department a minimum of twenty-four (24) hours prior to start of construction at specific locations and also one (1) hour prior to placement of processed aggregate base material and pouring of concrete so the Town can inspect for proper excavation depths for installation of base and concrete forms, respectively

**CY2025 On-Call Sidewalk Repairs
Windsor, CT**

E2025-05

INDEX OF TECHNICAL SPECIFICATIONS

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240A	BITUMINOUS CONCRETE CURBING
265A	CONCRETE SIDEWALKS AND RAMPS
270A	BRICK PAVERS

**TECHNICAL SPECIFICATION 210A
PROCESSED AGGREGATE BASE**

210.1 SCOPE OF WORK

This item shall consist of the furnishing of all labor, materials, testing, submittals, tools, and equipment necessary to properly place processed aggregate on prepared subbase or subgrade in accordance with the lines, grades, compacted thickness, and typical cross-section as shown on the plans.

210.2.1 MATERIALS

1. **Gradation:** Coarse and fine aggregates shall be combined and mixed by approved methods so that the resulting material shall conform to one of the following gradation requirements as specified:

Percent Passing by Weight		
<u>Square Mesh Sieves</u>	<u>Medium Gradation</u>	<u>Coarse Gradation</u>
2-1/4"	-	100
2"	-	95 – 100
1-1/2"	100	-
1"	90 – 100	-
3/4"	75 – 100	50 – 75
1/4"	30– 60	25 – 45
#40	10 – 25	5 – 20
#100	3 - 12	2 – 12

2. **Coarse Aggregate:** Coarse aggregate shall be broken stone. When tested by means of the Los Angeles Abrasion Machine, using AASHTO Method T 96, the coarse aggregate shall not have a loss of more than 50 percent. Broken stone shall consist of sound, tough, durable fragments of rock of uniform quality throughout. It shall be free from soft, disintegrated pieces, mud, dirt, organic or other injurious material.

Gravel or reclaimed miscellaneous aggregate will not be accepted as an alternative for processed aggregate.

3. **Fine Aggregate:** The fine aggregate shall conform to Form 819, Section M.05.01-3.

210.3 SUBMITTALS

The following submittals shall be provided to the Engineer for review and approval prior to installation:

- Gradation test results for processed aggregates
- Field Density testing and inspection records shall be submitted to the Engineer within 48 hours of the test

210.4 CONSTRUCTION METHODS

The processed aggregate base shall be placed in conformance with Form 819, Section 3.04.03 except that gravel, recycled or reclaimed material shall not be used.

210.5 MEASUREMENT

“Processed Aggregate Base” will be measured horizontally in place after final grading and compaction. Materials placed beyond the horizontal limits indicated on the plans will not be measured for payment.

The total thickness shall be as indicated on the plans, or as ordered by the Engineer and within a tolerance of -3/4 inch to +1/2 inch. Measurements to determine the thickness will be taken by the Engineer at intervals of 500 feet or less, along lanes, and shall be considered representative of the lane. For the purpose of these measurements, a shoulder or a sidewalk will be considered a lane.

If a thickness measurement is taken and found deficient, additional measurements will be taken as is considered necessary by the Engineer to determine the longitudinal limits of the deficiency. The Engineer may waive an occasional measurement outside the tolerances if in his judgment it is not representative of true conditions and providing that:

- (a) Other thickness measurements taken nearby for the course are within acceptable limits;
- (b) Proper controls have been exercised by the Contractor; and
- (c) If there would be no impairment to the serviceability of the complete construction.

No adjustment of the quantity accepted for payment will be made where the thickness does not exceed the allowable plus or minus tolerances. Where the thickness exceeds that indicated on the plans by more than the prescribed tolerance, that material which is in excess of the total planned depth, plus the tolerance, will not be included for payment.

Areas represented by measurements deficient in thickness in excess of the allowable minus deviation shall be corrected at the Contractor’s expense; or with written permission of the Engineer, the deficient areas may remain, and payment will be made at an equitable adjusted price.

210.6 PAYMENT

Payment for this item will be based on the contract unit price per cubic yard for “Processed Aggregate Base”, complete in place, which price will include all labor, materials, tools, equipment, compaction testing, and work incidental thereto.

<u>Pay Item</u>	<u>Pay Unit</u>
Processed Aggregate Base	CY

TECHNICAL SPECIFICATION 225A
BITUMINOUS CONCRETE SIDEWALKS, DRIVEWAYS AND
PARKING AREAS

225.1 SCOPE OF WORK

This item shall consist of the construction of bituminous concrete sidewalks, driveways, and parking areas on processed aggregate base course in the locations and to the dimensions and details shown on the plans or as directed by the Engineer.

225.2 MATERIALS

1. Suitable subbase material shall be bank run gravel as specified in Technical Specification 205
2. Processed Aggregate Base shall conform to the requirements of Technical Specification 210 Coarse Gradation
3. Bituminous Concrete shall conform to CT DOT State Specifications Form 819 or Form 816 (July 2015 Supplement) Section M.04.02, as applicable. The job mix used for construction of sidewalks, driveways, and parking areas shall be:
 - a. Binder course shall be HMA S0.5 or Marshall Mix Class 1
 - b. Wearing course shall be HMA S0.375 or Marshall Mix Class 2
4. Tack coat material shall conform to Section M.04.01 of Form 819
5. Joint Seal shall conform to the requirements of Form 819 Section M.04.01

225.3 SUBMITTALS

The following submittals shall be provided to the Engineer for review and approval prior to installation:

- Gradation test results for Subbase Material
- Gradation test results for Processed Aggregate Base
- Bituminous Concrete Job Mix Formula
- Tack Coat Material Data Sheet
- Joint Seal Material Data Sheet
- Field Density testing and inspection records shall be submitted to the Engineer within 48 hours of the test

225.4 CONSTRUCTION METHODS

1. **Excavation:** Excavation, including saw cutting or removal of any existing sidewalk or driveway shall be made to the required depth below finished grade. All soft and yielding material shall be removed and replaced with suitable material.
 - a. For all “Bituminous Concrete Sidewalk”, “Bituminous Concrete Driveway” construction excavation shall extend a minimum of 3 inches beyond the outside edges of the proposed walk, drive or back of curb.
 - b. For all “Bituminous Concrete Parking Area” and “Bituminous Concrete Driveway – Commercial” excavation shall extend a minimum of 6 inches beyond the outside edges of the paved area or 3 inches beyond the back of curb.

The subgrade shall be properly graded in accordance with the requirements of Technical Specification 200. Any material, which, in the opinion of the Engineer, is unsuitable to receive the base material, shall be excavated, removed, disposed and replaced with suitable material and compacted as approved by the Engineer.

Leveling material used to fill ruts, holes or irregularities in the subbase is the responsibility of the Contractor and is considered part of this item.

2. **Subbase:** Subbase, if required, shall be placed in accordance with the requirements of Technical Specification 205.
3. **Base Course:** Processed Aggregate Base shall be uniformly spread to the required depth by a method approved by the Engineer. The thickness of each course shall not be more than 4 inches after compaction, unless otherwise ordered. The Contractor shall perform in-place density testing at a sufficient frequency to ensure that the specified results are continuously met in accordance with the requirements of Form 819 Section 3.04.03
 - a. For all “Bituminous Concrete Sidewalk” and “Bituminous Concrete Driveway”, the base shall extend a minimum of 3 inches beyond the outside edges of the proposed walk, drive or back of curb and shall be thoroughly compacted utilizing a roller with a weight of at least 2,000 pounds.
 - b. For all “Bituminous Concrete Parking Areas” and “Bituminous Concrete Driveway – Commercial”, the base shall extend a minimum of 6 inches beyond the outside edges of the paved area or 3 inches beyond the back of curb and shall be thoroughly compacted utilizing a roller with a weight of at least 10,000 pounds.

The Contractor shall perform in-place density testing at a sufficient frequency to ensure that the specified results are continuously met

4. **Bituminous Concrete Surface:** Bituminous concrete shall be placed and compacted in 2-inch lifts to the required depth. Tack coat shall be applied between lifts in accordance with the requirements of Technical Specification 220. At any point where new pavement will match existing pavement, the existing pavement shall be saw cut vertically to a smooth edge and a tack

coat shall be applied. The joint between the new and old pavement shall be sealed with an approved hot poured joint sealant.

- a. All "Bituminous Concrete Driveway" and "Bituminous Concrete Sidewalk" shall be installed full width, with no cold joints, unless prior approval is granted by the Engineer to install the driveway or sidewalk in sections. Bituminous concrete shall be compacted utilizing a roller with a weight of at least 2,000 pounds.
- b. All "Bituminous Concrete Parking Area" and "Bituminous Concrete Driveway – Commercial" shall be compacted utilizing a roller with a weight of at least 10,000 pounds.

225.5 MEASUREMENT

"Bituminous Concrete Sidewalk", "Bituminous Concrete Driveway", "Bituminous Concrete Driveway – Commercial", and "Bituminous Concrete Parking Area" will be measured by the actual number of square yards of completed and accepted sidewalk, driveway, or parking area. This area shall include the area under and beyond the back of the bituminous concrete lip curbing.

Saw cutting existing bituminous concrete pavement will not be measured for payment but shall be included in the price bid for the sidewalk, driveway, or parking area.

Excavation below the finished grade of the sidewalk, driveway, or parking area, backfilling, and disposal of surplus material will not be measured for payment; but the cost shall be included in the price bid for the sidewalk, driveway, or parking area. Excavation above the finished grade of the sidewalk, driveway, or parking area will be classified and paid for in accordance with Technical Specification 105.

Processed Aggregate Base will not be measured for payment but the cost shall be included in the price bid for the sidewalk, driveway, or parking area.

Tack coat shall be classified and paid for in accordance with Technical Specification 220.

225.6 PAYMENT

Payment for this item will be based on the contract unit price per square yard for "Bituminous Concrete Sidewalk", "Bituminous Concrete Driveway", "Bituminous Concrete Driveway – Commercial", or "Bituminous Concrete Parking Area", complete in place, which price will include all saw cutting, excavation as specified above, backfill, disposal of surplus material, processed aggregate base, joint sealant, and all labor, materials, tools, and equipment incidental thereto.

<u>Pay Item</u>	<u>Pay Unit</u>
Bituminous Concrete Sidewalk	SY
Bituminous Concrete Driveway	SY
Bituminous Concrete Driveway – Commercial	SY
Bituminous Concrete Parking Area	SY

TECHNICAL SPECIFICATION 240A
BITUMINOUS CONCRETE CURBING

240.1 SCOPE OF WORK

This item shall consist of the furnishing of all labor, materials, testing, submittals, tools, and equipment necessary to construct machine laid bituminous concrete curbing in accordance with the dimensions and details as shown on the plans or as directed by the Engineer.

240.2.1 MATERIALS

Materials, including tack coat, for the work shall conform to the requirements of Form 816 Section M.04 (July 2015 Supplement), Bituminous Class 3 or Form 819 Section M.04, Curb Mix.

240.3 SUBMITTALS

- Bituminous Concrete Job Mix Formula
- Tack Coat Material Data Sheet

240.4 CONSTRUCTION METHODS

The bituminous concrete curbing shall be placed in accordance with Form 819 Section 8.15.03. In new construction, it shall be placed on the binder course. Prior to the placement of the bituminous concrete curbing, the area shall be cleaned of all loose and foreign materials, and tack coat shall be applied.

240.5 MEASUREMENT

Measurement for this item will be based on the number of linear feet of specified bituminous concrete curbing placed and accepted.

240.6 PAYMENT

Payment for this item will be based the contract unit price per linear foot for “Bituminous Concrete Curbing” of the type specified, complete in place, which price shall include all labor, materials, tools, equipment, compaction testing, and work incidental thereto.

<u>Pay Item</u>	<u>Pay Unit</u>
Bituminous Concrete (Type) Curbing	LF

TECHNICAL SPECIFICATION 265A
PORTLAND CEMENT CONCRETE SIDEWALKS AND RAMPS

265.1 SCOPE OF WORK

This shall consist of the construction of concrete sidewalks and ramps on processed aggregate base course in the locations and to the dimensions and details shown on the plans or as directed by the Engineer.

265.2.1 MATERIALS

1. Suitable subbase material shall be bank run gravel as specified in Technical Specification 205
2. Processed Aggregate Base shall conform to the requirements of Technical Specifications 210, Coarse Gradation
3. Portland Cement Concrete shall conform to the following specifications

All concrete used shall be proportioned by weight for one cubic yard as follows:

Cement (7 sacks)	658 lbs.
Sand	1,244 lbs.
3/8" crushed stone	700 lbs.
3/4" crushed stone	1,080 lbs.
Water	34 gals.
Darex II (A.E.A.)	3.29 oz.
Air Entrainment	5-7 percent
Slump	3 inches (max.)
Strength (28 day)	4,000 PSI (min.)

The proportions listed are based on the weight of cement and surface dry aggregates with a bulk specific gravity of 2.65 for sand with a fineness modulus of 2.70 and trap rock with a specific gravity of 2.90.

All Portland Cement Concrete used shall be "ready-mixed concrete", (Portland Cement Concrete manufactured for delivery to a purchaser in a plastic state and delivered to the job site suitably mixed for placing in the work).

Ready-mixed concrete shall be obtained from suppliers approved by the Engineer and shall be either

- a. mixed completely at a central mix plant and transported to the job in a truck mixer operating at agitator speed or

- b. mixed completely in a truck mixer while in transit or at the point of delivery.

Batching equipment, stationary mixes and truck mixers shall conform to the requirements of Form 817, Section 4.01.03 and Section 6.01.03, as applicable, and be in good condition and operated as designated by the manufacturer.

As determined in accordance with AASHTO T-119, discharge of the batch shall be complete within one (1) hour of the addition of water to the mix. Concrete delivered in outdoor temperatures lower than 40° F shall be discharged at the work site having a temperature not less than 60° F nor greater than 90° F. Every load of concrete delivered to the job site shall have a ticket clearly marked indicating the proportionment of the batch and stamped by a time clock indicating the time the batch was placed in the truck mixer. This ticket shall be presented to the Inspector on the job prior to beginning discharge. Additional water for tempering will be added to the mix only on direction of the Inspector. The concrete supplier shall guarantee proper frequency of delivery to allow conformance with placing requirements of these specifications. Failure to conform with all the requirements of this technical specification will result in the rejection of the nonconforming load(s). Rejected loads that have been "doctored up" will not be accepted. Repeated failure of a supplier to conform to these specifications will result in loss of approval by the Engineer as an approved source of material for construction within the Town.

The concrete shall be discharged at the site of the work in a thoroughly mixed and uniform mass of the consistency and workability required without the use of additional mixing water. The slump of the concrete at and during discharge at the work shall be three (3) inches or less.

- 4. Portland Cement shall be Type II or IIA and shall comply with AASHTO M-85. Type III or IIIA may not be used except as directed by the Engineer for special conditions. All cements must meet requirements of ASTM C-150. Should air entraining cement be used, it must be capable of producing entrained air within the specified limits without air entraining admixtures.
- 5. The air entraining agent used shall be of the vinsol resin type and shall conform to Form 819, Sections M.03.01-5. The air entraining agent shall be added to the mixing water prior to its addition to the mix, for non air entrained cement mixes only. Air entraining agent may not be used with air entrained cement.
- 6. Premolded joint material shall be Kork Pak, Proflex Reflex or equivalent approved by the Engineer.
- 7. Curing Materials:
 - a. Waterproof paper shall be double sheet, bituminous cemented Kraft Paper, reinforced in both directions and conforming to the requirements of AASHTO M-139.
 - b. Polyethylene (i.e. Plastic) Sheeting shall not be allowed except to cover the waterproof paper in case of inclement weather.
- 8. Curing Compound: Liquid membrane-forming compound shall be white pigmented and conform to Form 819, Section M.03.04.

9. Dowels shall be 5/8-inch diameter x 24-inch long intermediate grade steel conforming to AASHTO M-38 and shall be smooth. Speed Dowel plastic sleeve or approved equal to cover one end of the dowel shall be 12-inches long by 5/8-inch diameter.
10. Wire mesh reinforcing shall be cold-drawn steel wire conforming to the requirements of AASHTO M-32 and M-35, and shall be welded steel, no. 8 wire, spaced 6 inches by 6 inches, both ways. All 8-inch concrete walks, drives, and ramps shall be reinforced.
11. Detectable warning strips shall be prefabricated cast-in-place truncated dome detectable warning surface tile as manufactured by ADA Fabricators, Inc. P.O. Box 179, North Billerica, MA 01862. The color shall be brick red and approved by the Engineer.

265.3 SUBMITTALS

The following submittals shall be provided to the Engineer for review and approval prior to installation:

- Gradation test results for Subbase Material
- Gradation test results for Processed Aggregate Base
- Concrete specifications from supplier
- Manufacturer's cut sheet for premolded joint material
- Manufacturer's cut sheet for waterproof paper
- Label or manufacturer's cut sheet for curing compound
- Manufacturer's cut sheet for dowels
- Manufacturer's cut sheet for wire mesh reinforcing
- Material certification for detectable warning strips

265.4 CONSTRUCTION METHODS

1. **Excavation:** Excavation, including saw cutting or removal of any existing sidewalk or driveway shall be made to the required depth below finished grade. All soft and yielding material shall be removed and replaced with suitable material. Excavation shall extend a minimum of 3 inches minimum and a maximum of 6 inches maximum outside the edges of the proposed walk. Ledge rock encountered within 13 inches of the finished walk grade shall be removed.

After completion of excavation, and prior to placing of base material, the subgrade shall be compacted by at least 2 passes of a motor driven vibratory compactor. All soft and yielding material shall be removed and replaced with suitable material.

2. **Subbase:** Subbase, if required, shall be placed in accordance with the requirements of Technical Specification 205.
3. **Base Course:** Processed Aggregate Base material shall be placed in two 4-inch lifts, the full width of the excavation, and shall be compacted to the satisfaction of the Inspector with at least 2 passes of a motor driven vibratory compactor. Base should extend a minimum of 3 inches beyond the

outside edges of the walk and shall be compacted to the satisfaction of the Engineer with at least 2 passes of a motor driven vibratory compactor. Additional fine material shall be added to fill any voids that may have developed during compaction and to bring the completed foundation to true line and cross section below and parallel to the finished grade of the walk.

The Contractor shall perform in-place density testing at a sufficient frequency to ensure that the specified results are continuously met in accordance with the requirements of Form 819 Section 3.04.03

4. **Forms:** Forms shall be of metal or wood, straight, free from warp and of sufficient strength to resist springing from the pressure of the concrete. Wood, forms for 5-inch-thick walks shall be 2 inches by 6-inch smooth surfaced plank, except that at sharp curves, thinner material may be used. Forms for 8-inch-thick walks and ramps shall be 8 inches deep. Metal forms shall be of section approved by the Inspector, and shall have a flat surface on the top. Forms shall be of a depth equal to the depth of the walk.

Forms shall be securely staked, braced and held firmly to the required line and grade; special care shall be taken to maintain the proper shape of all curves. Forms shall remain in place for at least 24 hours after finishing of concrete. No stakes or bracing shall project above the top of the form. Forms shall be sufficiently tight to prevent leakage of concrete.

All forms shall be cleaned and oiled before concrete is placed against them. Sheet metal templates, 1/4 inch thick of the full depth and width of the walk, shall be placed at every expansion joint or as ordered by the Inspector. If concrete is placed in alternate sections, these templates shall remain in place until concrete has been placed on both sides of the templates. As soon as the concrete has obtained its initial set, the template shall be removed.

5. **Wire Mesh Reinforcing:** The mesh shall be placed 4 inches below the required finished grade and all adjacent sections of the mesh shall be lapped 8 inches and tied together with wire, spaced not over 24 inches on centers, to prevent displacement. Wire mesh shall be continuous transversely between sides of the sidewalk. No more than two pieces of wire mesh may be used per 10 longitudinal feet of sidewalk. Scrap pieces of wire mesh shall not be placed in the sidewalk but shall be disposed of by the Contractor. Wire mesh shall not be placed within 2 inches of sidewalk edges or isolation joints. The concrete shall be placed 4 inches deep and struck off to a reasonably true grade prior to placing the wire mesh and the final 4 inches of concrete. Wire mesh, if supplied in rolls, shall be cut to the proper size and flattened out prior to placement in the concrete.
6. **Joints:** Transverse dummy joints shall be constructed at a longitudinal spacing equal to the width of the walk but not over 5 feet apart; or to match adjoining walk. Doweled transverse expansion joints shall be constructed to replace every third dummy joint and at change of walk thickness. Dowels are also to be installed between new and existing concrete slabs. Where new or repaired walks abut existing concrete sidewalks, the Contractor shall drill holes measuring $\frac{3}{4}$ inch in diameter and 12 inches deep into the existing concrete slab. Transverse expansion joints shall be $\frac{1}{2}$ inch thick by the depth of concrete (5 inches or 8 inches), premolded joint material and shall have 5/8-inch diameter by 24 inches long dowels spaced as shown in the details or as ordered by the Inspector. One end of each dowel shall be set in a 12-inch long 5/8-inch ID Speed Dowel plastic sleeve. The Contractor is to ensure that the expansion joint is kept straight and perpendicular to the forms by use of a steel or wood spacer drilled to accommodate the dowels. Dowels are to be

centered vertically in the slab. In areas where dowels are not specified, premolded joint material shall be 1/4 inch thick.

Isolation joints, 1/4 inch by the depth of the concrete (5 or 8) inches, premolded joint material shall be used between the walk being constructed and existing concrete walks, entrance walks, building foundations, retaining walls, light pole bases, vaults, manholes and all similar structures. Where dowels are specified, the premolded joint material shall be 1/2 inch thick. Utility poles, hydrants, fire alarm boxes, gate boxes and similar installations located in the walk area shall be separated from the main walk by isolation joints of suitable pattern as ordered by the Inspector. No transverse dummy joint, or expansion joint, shall be located within 12 inches of any structure in the walk. For repair work, all joints shall be similar in pattern to the joints in the adjacent existing walk.

All concrete areas, wider than the normal sidewalk width, will have isolation joints limiting the size of the continuous slab to a maximum of one 144 square feet.

7. **Placing of Concrete:** The Contractor shall give the Inspector assigned to the work a 24-hour notice before placing concrete. All expansion joints and other embedded material items shall be in place, and all necessary placing and finishing tools, and all curing and protection materials shall be on the job prior to commencement of placing concrete.

Before the concrete is placed, the sub-grade shall be thoroughly dampened so that it is moist throughout, but without puddles of water. Concrete shall be placed as near to its final position as practicable, and precautions shall be taken not to overwork the concrete while it is still plastic. The concrete shall be uniformly placed along the forms or screens. The concrete shall be placed in one course and struck off as hereinafter specified to the required graded cross section. The top shall be struck off by use of a suitable screed resting on the forms or screed support to the required grade and cross section.

8. **Finishing of Concrete:** No finishing operation shall be performed while free water is present; finishing operations shall be delayed until all bleed water and water sheen have left the surface and the concrete has started to set. Dusting the surface with cement to promote drying will not be permitted.

After water sheen has disappeared, all exposed walk edges, and edges on each side of expansion joints shall be finished with a 1/4 inch radius edging tool. Transverse dummy joints shall be formed by cutting a slot in the concrete, 1 inch deep. The slot may be cut by a 1-inch-deep T-bar forced into the fresh concrete or by a 1-inch bit jointer held against a straight edge. After the concrete has partially hardened, the joint shall be edged with a jointer having a 1-inch bit and 1/4 inch fillets held against a straight edge to make a clean straight joint. All other dummy joints in the walk shall be treated as above specified for transverse dummy joints. All completed dummy joints shall be 1 inch deep.

After edging and jointing operations, the surface shall be floated with a wood float. In very warm weather, care shall be taken to prevent final set by shading until all finishing operations have been performed. If necessary, all tooled joints and edges shall be rerun after floating to maintain uniformity. After floating, the surface shall be brushed by drawing a soft bristled push broom, across the entire sidewalk width, perpendicular to the direction of pedestrian traffic, with a long handle over the surface of the concrete, to produce a non-slip surface.

"Picture frame" finishes should NOT be provided. A rain spattered finish will not be acceptable. Forms shall not be stripped for at least 24 hours after completion of finishing; care shall be taken to not damage the green concrete during stripping of forms.

9. **Detectable Warning Strips:** The detectable warning strips for new construction shall be set directly in poured concrete according to the plans and the manufacturer's specifications, or as directed by the Engineer. The Contractor shall place two 25-pound concrete blocks or sandbags on each tile to prevent the tiles from floating after installation in wet concrete.

The Contractor is responsible for removing any material splatters or debris and repairing any damage to the existing sidewalks arising from the installation of the tile.

10. **Curing:** In case of inclement weather, a forecast of inclement weather, or when ordered by the Engineer, immediately following the final finishing and as soon as possible without marring the surface, the concrete shall be covered with waterproof paper conforming to Section 265.2 (d) of these specifications.

The waterproof paper shall extend at least 12 inches beyond the edge of the walk and, if required, shall be lapped a minimum of 6 inches. It shall be held down on all edges and laps by continuous wood planks or piles of sand. Use of rocks or broken concrete will not be permitted. Paper shall not be removed for at least 72 hours.

11. **Cold Weather Concrete:** No Portland Cement Concrete shall be placed when the air temperature is 40° F or below. When, in the opinion of the Engineer, the condition of the weather is such that any concrete which has not been completely cured is liable to become frozen, such concrete shall be protected using suitable blanketing materials approved by the Engineer to prevent freezing of the concrete. During the period of time of such protection, the Contractor shall be responsible for the quality and strength of the concrete placed during cold weather, and any concrete damaged by frost action shall be removed and replaced at the Contractor's expense.

12. **Conditions for Reinforced Concrete Walks and Ramps:** Construction of reinforced concrete pedestrian ramps shall conform to all provisions of this specification, except as follows:

- a. Regardless of the type of pavement of adjacent sidewalks, all pedestrian ramps shall be constructed of Portland Cement Concrete.
- b. The final texture of the concrete surface shall be a coarse broom finish, transverse to the slope of the ramp.
- c. Ramps shall conform to detail drawings as shown in the plans and contract documents and shall comply with all applicable laws and regulations governing handicap access to public sidewalks.
- d. Ramps shall be a minimum of 5 feet in length.
- e. Expansion joint material and dowels shall be placed between 8-inch walks and 5-inch walks.

265.5 MEASUREMENT

“Concrete Sidewalk” and “Concrete Sidewalk Ramp” will be measured by the actual number of square feet of completed and accepted concrete sidewalk or concrete sidewalk ramp.

“Detectable Warning Strip” shall be measured for payment by the actual number of square feet of detectable warning surface installed and accepted.

Excavation below the finished grade of the sidewalk or ramp, backfilling, and disposal of surplus material will not be measured for payment; but the cost shall be included in the price bid for the sidewalk, driveway, or parking area. Excavation above the finished grade of the sidewalk, or ramp will be classified and paid for in accordance with Technical Specification 105.

Processed Aggregate Base will not be measured for payment but the cost shall be included in the price bid for the sidewalk or ramp.

265.6 PAYMENT

Construction of Concrete Sidewalk or Ramp paid for at the contract unit price per square foot for “Concrete Sidewalk”, “Reinforced Concrete Sidewalk” or “Concrete Sidewalk Ramp”, complete in place, which price will include all saw cutting, excavation as specified above, backfill, disposal of surplus material, processed aggregate base, joint sealant, and all labor, materials, tools, and equipment incidental thereto.

A new detectable warning surface will be paid for at the Contract unit price per square foot of “Detectable Warning Strip” installed and complete in place. This price shall include all tiles, materials, equipment, tools and labor incidental thereto.

<u>Pay Item</u>	<u>Pay Unit</u>
Concrete Sidewalk	SF
Reinforced Concrete Sidewalk	SF
Concrete Sidewalk Ramp	SF
Detectable Warning Strip	SF

TECHNICAL SPECIFICATION 270A BRICK PAVERS

270.1 SCOPE OF WORK

This item shall consist the furnishing, installation, and resetting of brick pavers, or other paving materials such as stone, slate, etc., to grade as shown on the plans or as directed by the Engineer. Prior to installation of the bricks, all work within the brick paver limits shall be complete and shall include, but not be limited to, the adjustments of all public and private frames, grates, covers and utility boxes.

270.2 MATERIALS

1. Brick Pavers shall conform to ANSI/ASTM C 902-79a Standard Specification for Pedestrian and Light Traffic Paving Brick, Class SX, Type II (Referred to as Glen-Gary Paver) or equivalent as approved by the Engineer.
2. Filter fabric conforming to Form 819, Section M.08.01.19 shall be used when dry setting brick.
3. Processed Aggregate Base shall conform to the requirements of Technical Specification 210, Medium Gradation
4. Leveling Course
 - a. Levelling Course for dry set bricks shall be commercial grade crushed stone dust conforming to the requirements for "Screenings" of the Form 819 Section M.01.03
 - b. Leveling Course for mortar set brick shall be Portland Cement Concrete which shall conform to all provisions of Technical Specification 265
5. Paver Joints shall be filled with either commercial grade crushed stone dust, masonry sand, or commercial grade polymeric stabilizing sand, as shown on the plans or as directed by the Engineer.
6. Joint Material:
 - a. Transverse Expansion Joint material shall be asphalt impregnated fiber material, Kork Pak, Proflex Reflex, or approved equivalent.
 - b. Expansion Joint material between the curb and concrete/brick shall be Harris Strip-Off closed cell foam with peel-off top or approved equivalent. The joint using closed cell foam material shall be sealed with Sikaflex polyurethane joint sealant, or approved equivalent.
7. Edge Restraints shall be snap-edge Pave Tech – Pave Edge, or approved equivalent.

270.3 SUBMITTALS

The following submittals shall be submitted to the Engineer for review and approval prior to installation:

- Two bricks shall be submitted; replacement brick shall match the existing brick as closely as possible
- Manufacturer's cut sheet for filter fabric
- Gradation test results for Processed Aggregate Base
- Material certification for commercial grade stone dust
- Material certification for polymeric stabilizing sand
- Material certification for masonry sand
- Concrete specifications from supplier
- Manufacturer's cut sheet for joint materials
- Manufacturer's cut sheet for edge restraints

270.4 CONSTRUCTION METHODS

1. **Excavation:** Excavation, including saw cutting or removal of any existing sidewalk or driveway shall be made to the required depth below finished grade. All soft and yielding material shall be removed and replaced with suitable material.
2. **Base Course:** Processed Aggregate Base shall be uniformly spread to the required depth by a method approved by the Engineer. The thickness of each course shall not be more than 4 inches after compaction, unless otherwise ordered. The base shall be thoroughly compacted utilizing a roller with a weight of at least 2,000 pounds.
3. **Levelling Course:**
 - a. For all "Mortar Set Brick", the levelling course shall be Portland Cement Concrete installed monolithically with the adjacent sidewalk as shown in the plans and details. All mortar set bricks shall be set on a bed of mortar. All joints shall be mortared, being careful not to get mortar on exposed faces of brick.
 - b. For all "Dry Set Brick", filter fabric placed on top of the aggregate. The leveling course on top of the filter fabric shall consist of a minimum $\frac{3}{4}$ inches (maximum 1 inch) of compacted crushed stone dust
4. **Joints:** There shall be no expansion joint between the concrete sidewalks and the brick pavers. Transverse expansion joints in the concrete sidewalks shall be carried through the concrete base and the brick pavers. The transverse expansion joints shall also be carried through the brick pavers. Transverse dummy joints in the concrete sidewalk shall not be carried through the concrete base under the brick pavers. An expansion joint shall be made between the granite curb and concrete/brick face.

5. **Setting Bricks:** When placed, the bricks shall tightly abut each other. Exposed edges of bricks shall be set on a plastic angle edge restraint. Final setting of brick shall be with a plate compactor taking care to have sufficient material so as to not damage the brick. After compacting with masonry sand, the area shall be flushed with water to ensure that joints have been filled. Any area that shows gaps in the joints shall be recompact and appropriately swept, misted, or flushed. All joints shall be filled with commercial grade crushed stone dust, masonry sand, or commercial grade polymeric stabilizing sand as shown on the plans or as directed by the Engineer.

If the polymeric sand manufacturer specifies a water mist for setting the joints, all the brick and adjacent areas shall be swept clear of all polymeric sand residue.

270.5 MEASUREMENT

“Dry Set Brick” and “Mortar Set Brick” will be measured for payment by the actual number of square feet of brick pavers furnished, installed and accepted, complete in place.

“Reset Brick Pavers” will be measured for payment by the actual number of square feet of brick pavers removed, stored, rese and accepted, complete in place.

Excavation below the finished grade of the pavers, backfilling, and disposal of surplus material will not be measured for payment; but the cost shall be included in the price bid for the construction of pavers. Excavation above the finished grade of the pavers will be classified and paid for in accordance with Technical Specification 105.

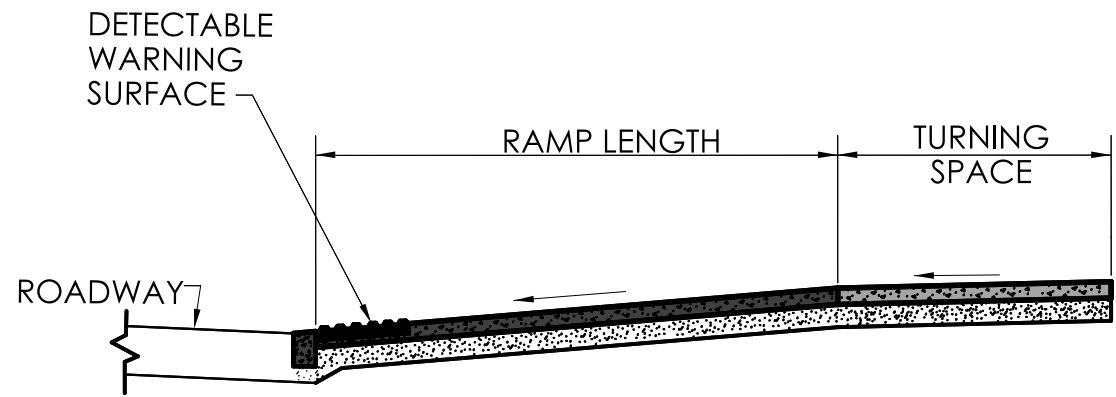
Processed Aggregate Base will not be measured for payment but the cost shall be included in the price bid for the sidewalk, driveway, or parking area.

270.6 PAYMENT

Payment for this item will be based on the unit price per square foot for “Mortar Set Brick Paver”, “Dry Set Brick Paver”, or “Reset Brick Paver”, complete in place, which price shall include all excavation as specified above, backfill, disposal of surplus material, processed aggregate base, stone dust levelling course, mortar, and polymeric sand, and all labor, materials, tools, and equipment incidental thereto.

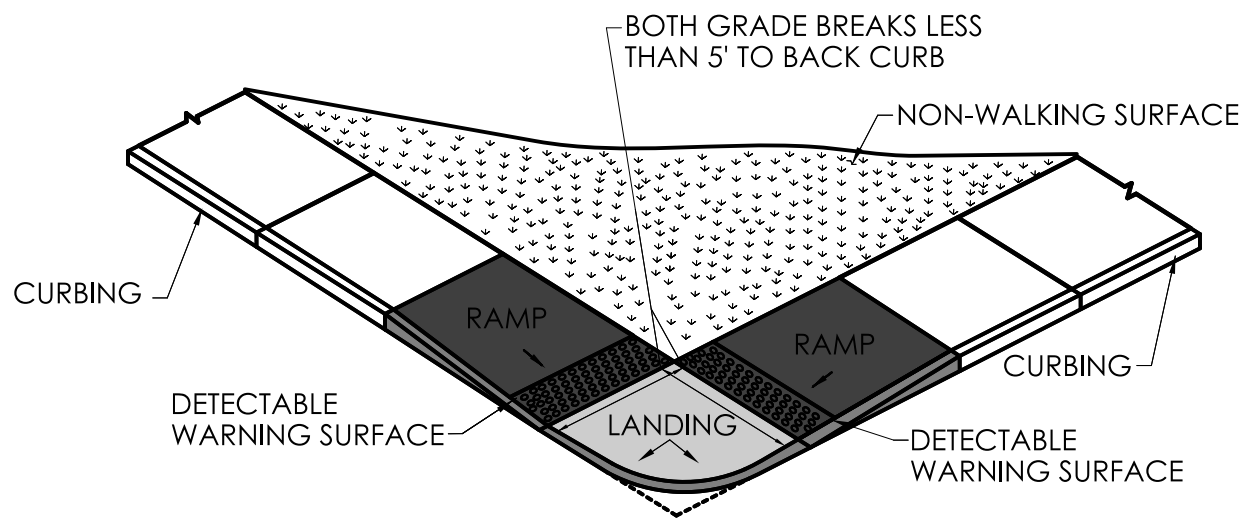
<u>Pay Item</u>	<u>Pay Unit</u>
Mortar Set Brick	SF
Dry Set Brick	SF
Reset Brick Pavers	SF

Appendix A - CT DOT Guide Sheets - Concrete Sidewalk Ramps



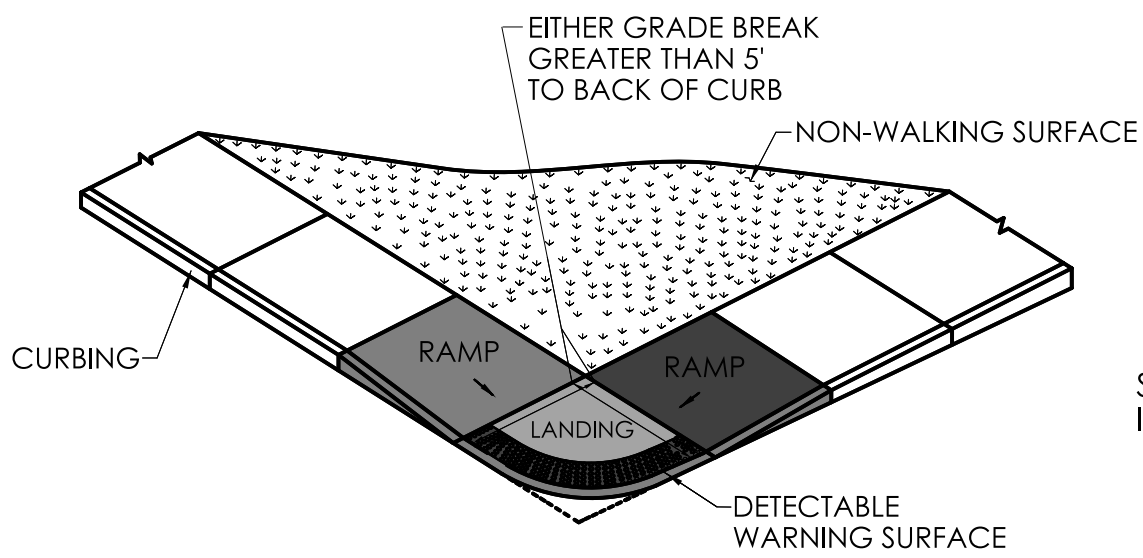
BASIC RAMP ATTRIBUTES

- Plan view of Ramp Components
- Section View of Typical Ramp
- Wheelchair Cross-slope Criteria
- Ramp Warping Detail
- Gutter Counter Slope Details
- Grade Break Details



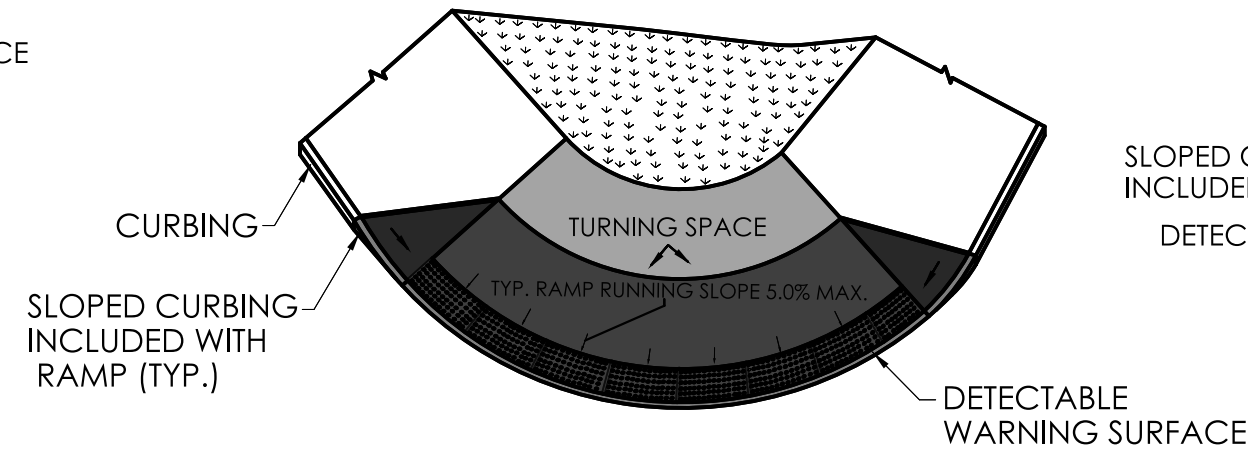
PERPENDICULAR RAMP(S)
GRADE BREAK OF 5' OR LESS

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



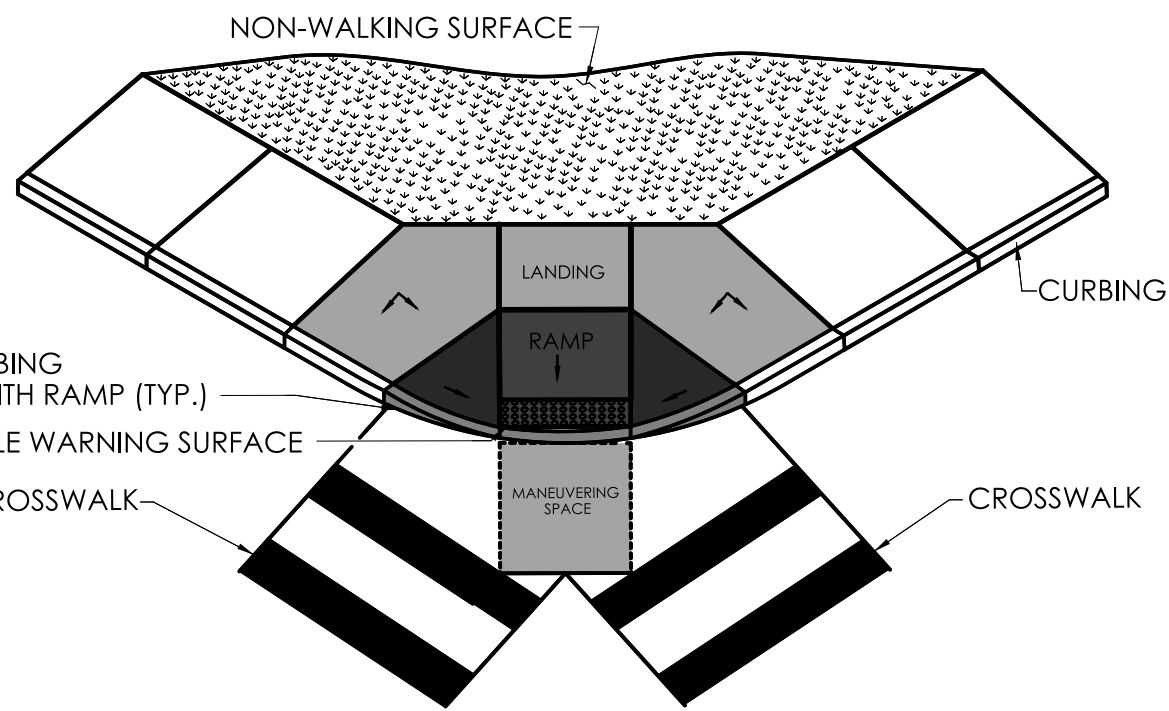
PERPENDICULAR RAMP(S)
GRADE BREAK GREATER THAN 5'

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



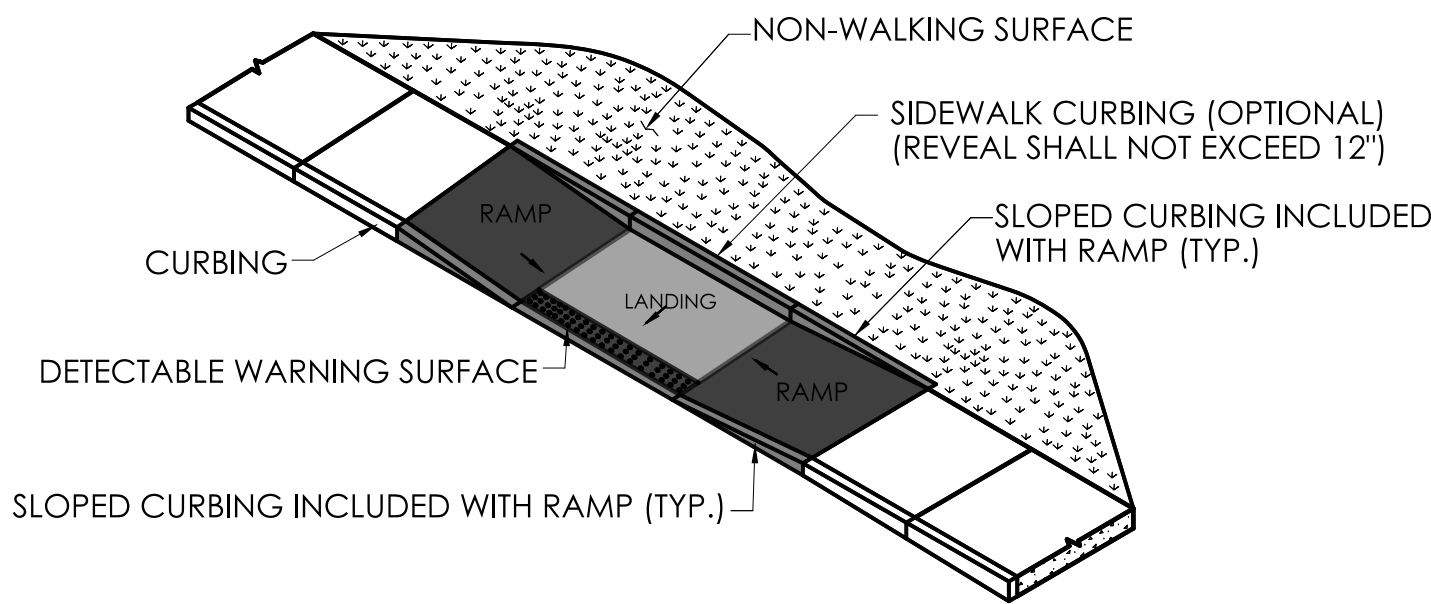
BLENDED RAMP WITH
TURNING SPACE AT THE TOP

- TYPE 5 SIDEWALK ABUTS ROADWAY



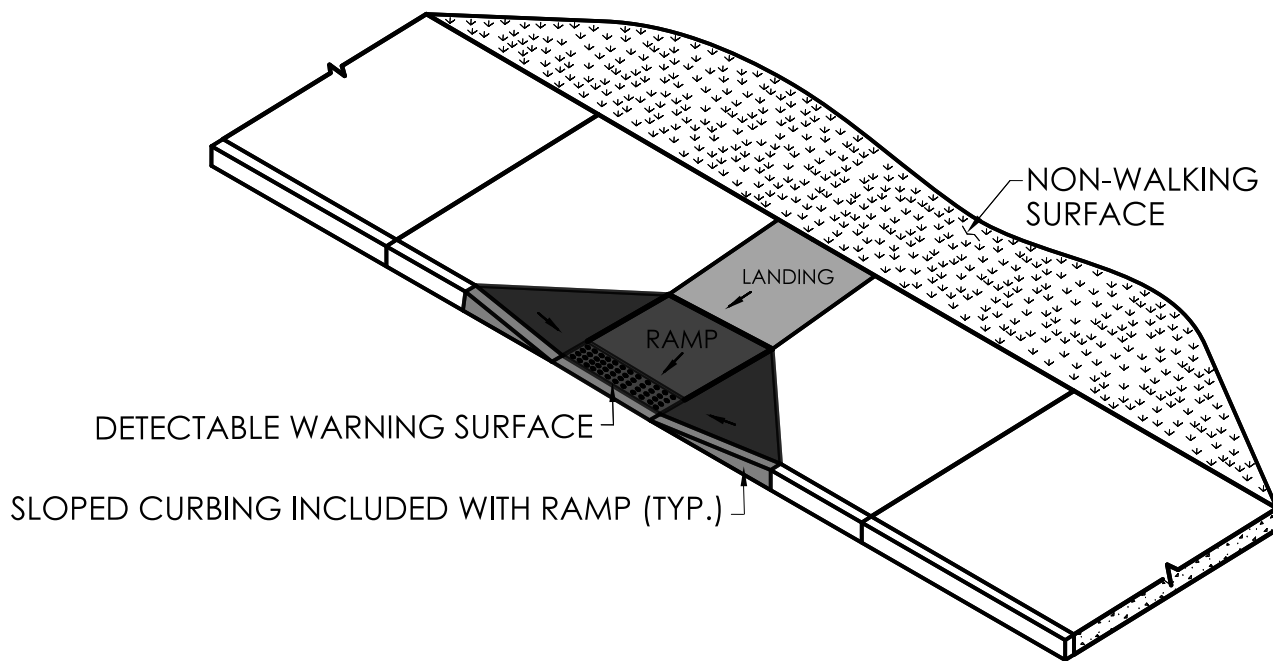
PERPENDICULAR RAMP(S) WITH
STREET MANEUVERING SPACE

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



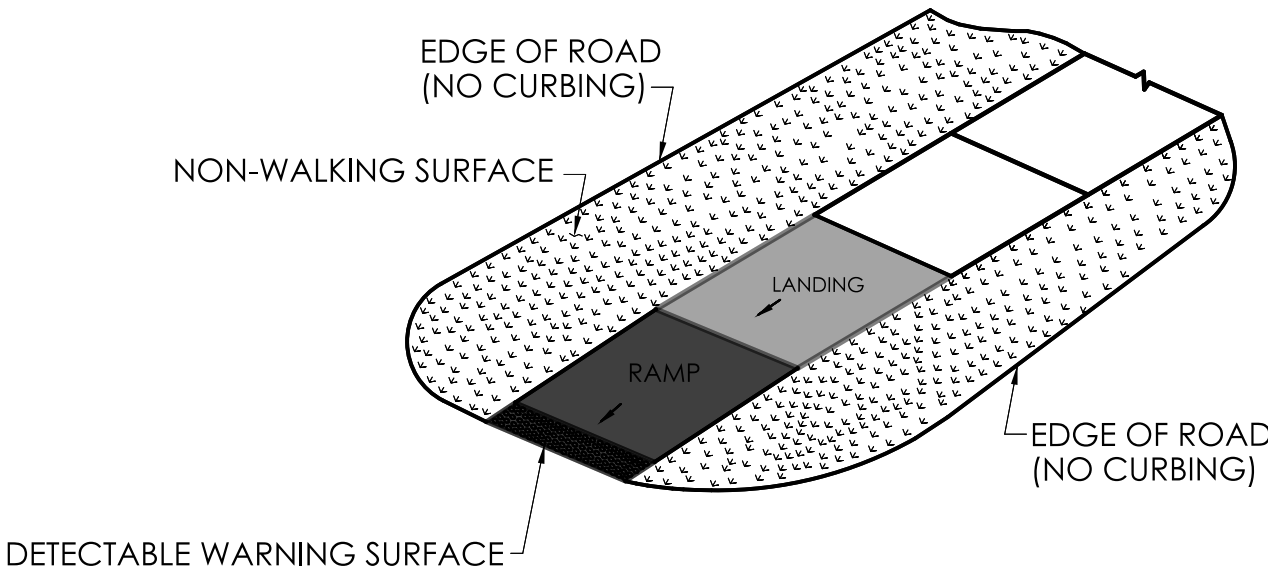
PARALLEL RAMP(S)

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



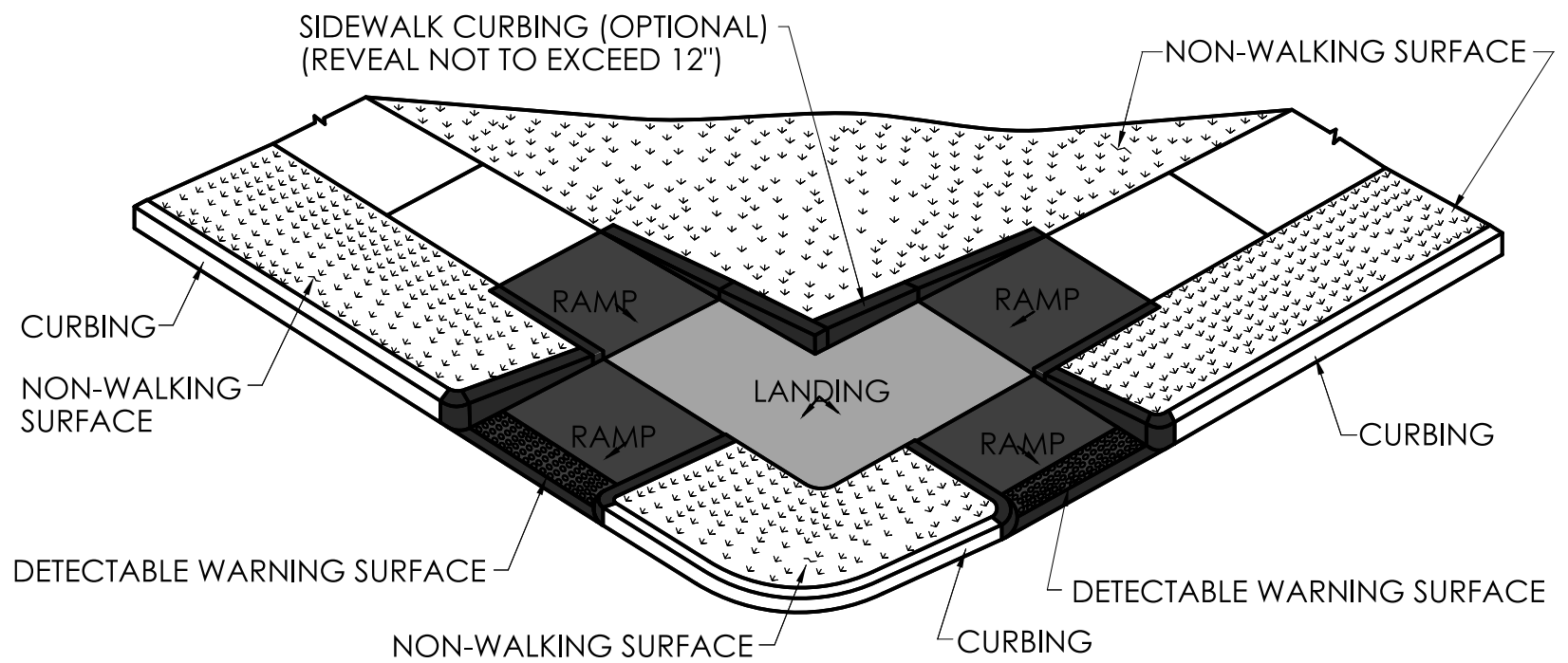
PERPENDICULAR RAMP(S)

- 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



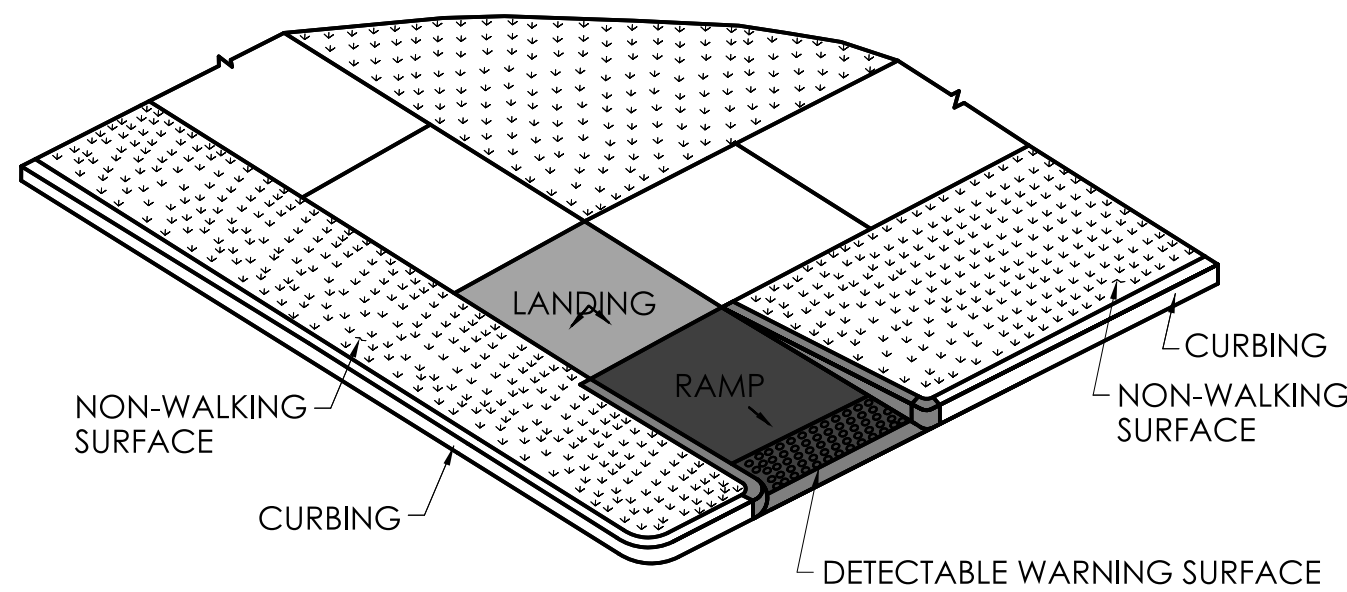
SINGLE DIRECTION RAMP(S)

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



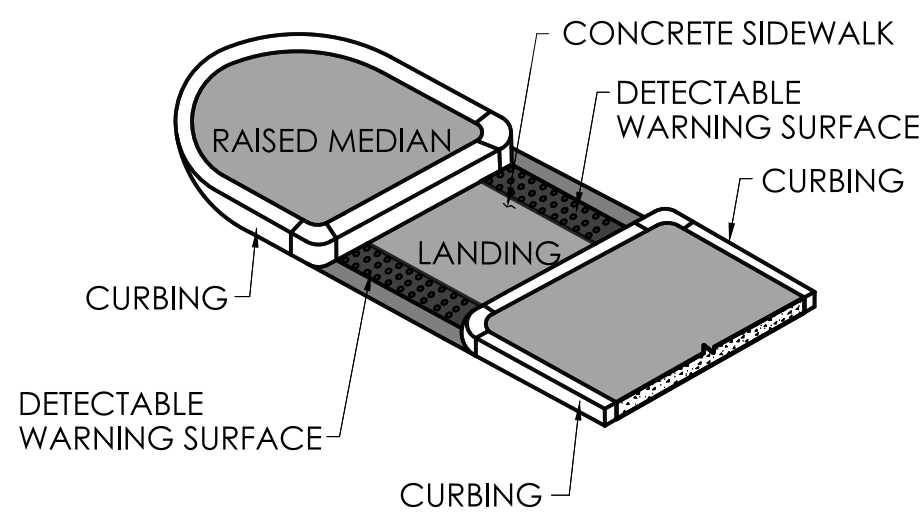
PERPENDICULAR RAMP(S)

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



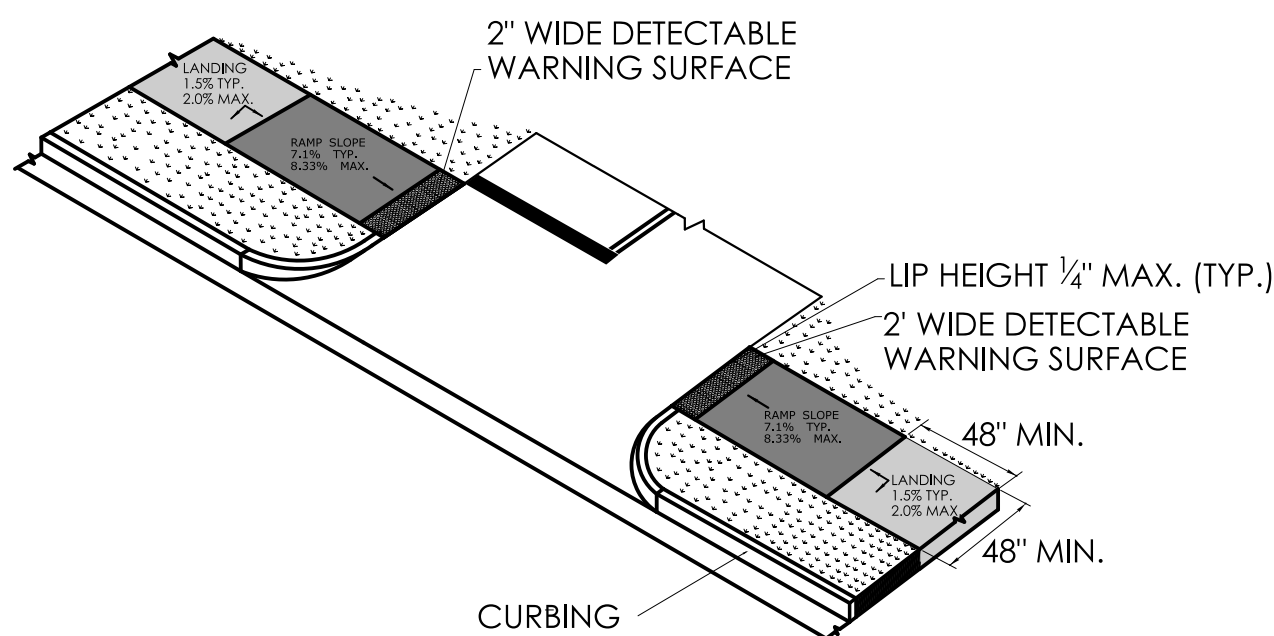
RESTRICTED PEDESTRIAN CROSSING
SIDEWALK RAMP(S)

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



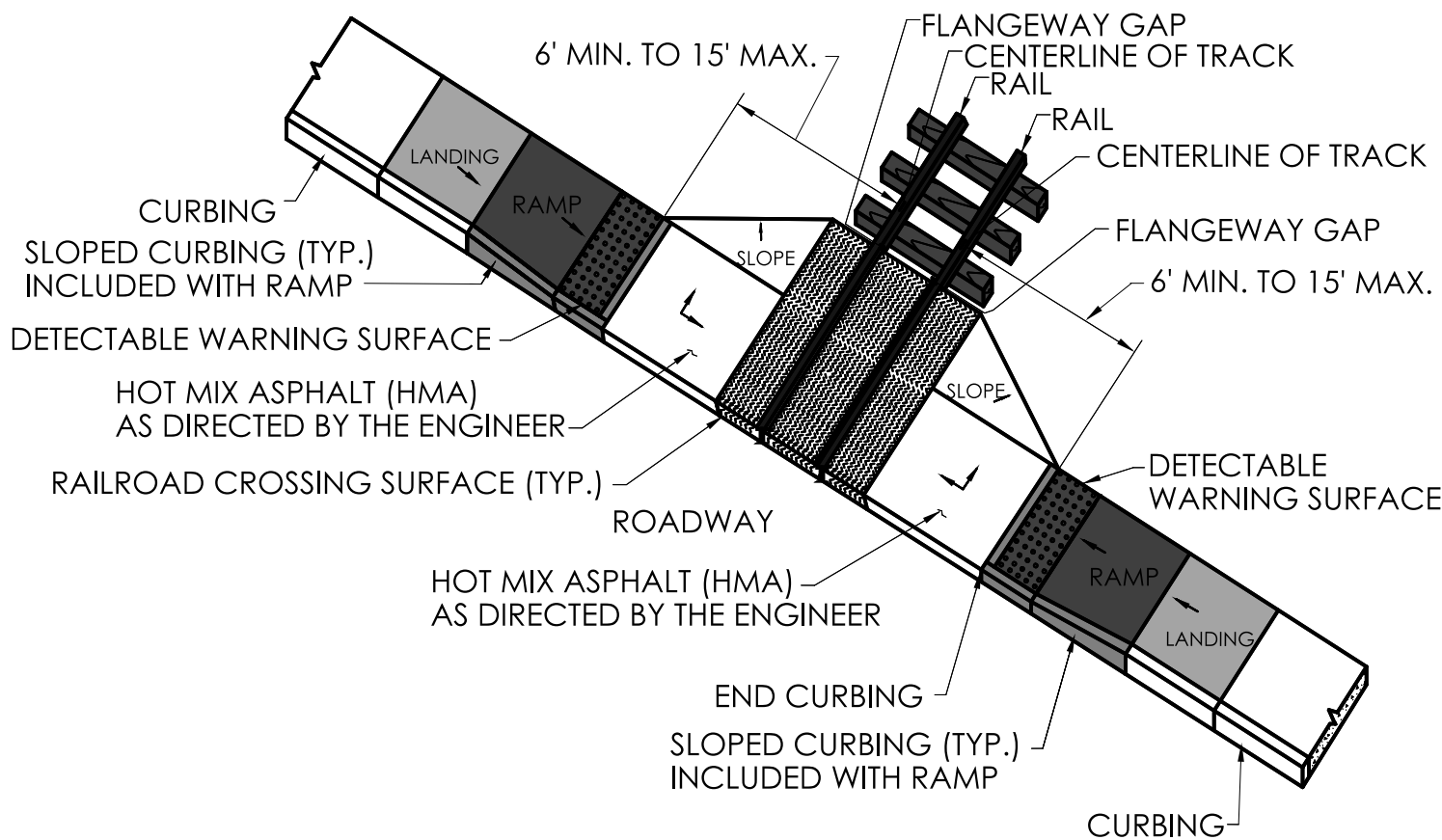
PEDESTRIAN REFUGE ISLAND(S)

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



RESIDENTIAL AND COMMERICAL DRIVEWAY(S)

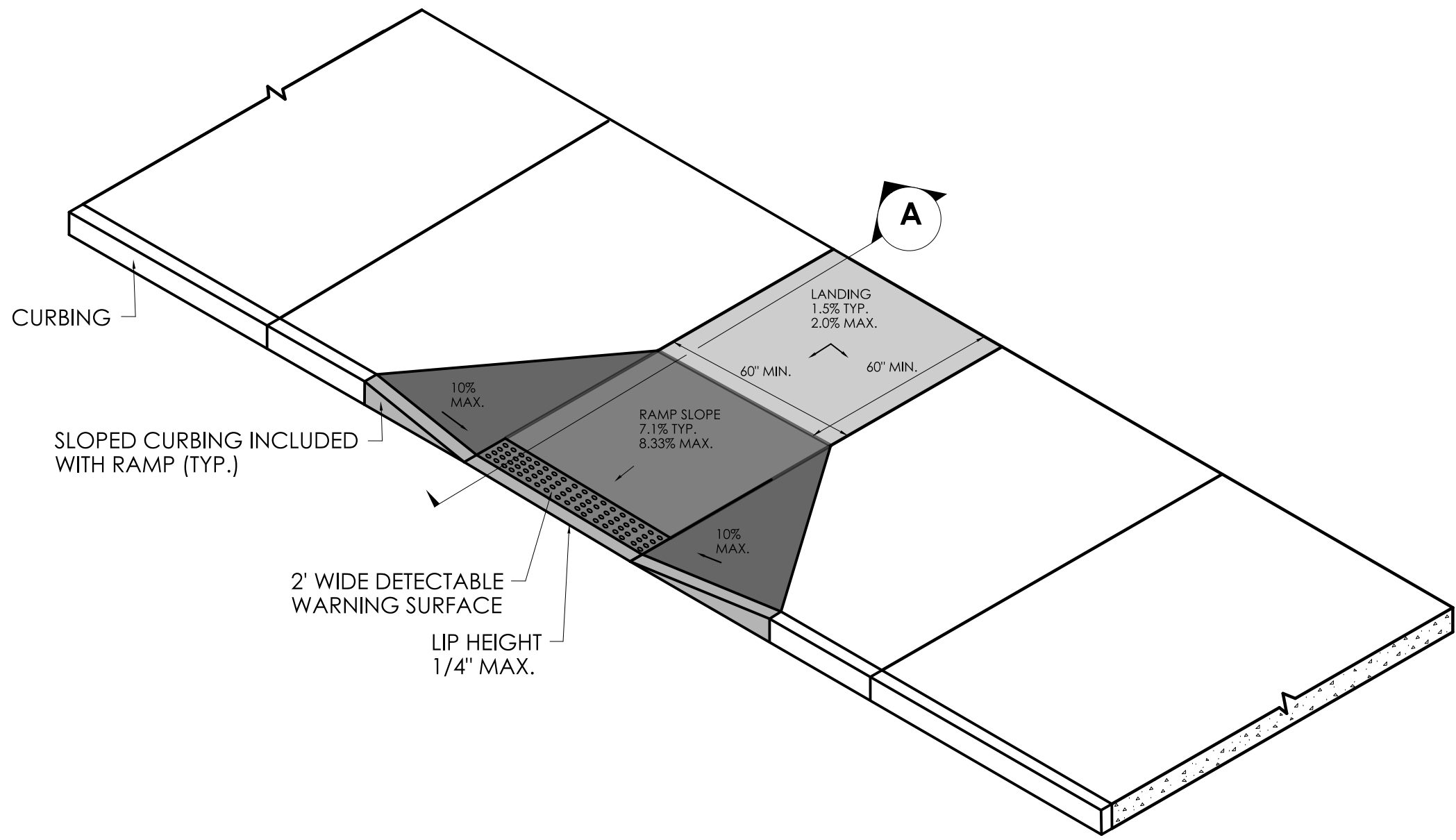
- TYPE 29 SIGNALIZED OR STOP CONTROLLED COMMERCIAL DRIVEWAY WITH DETECTABLE WARNING SURFACE
- TYPE 30 RESIDENTIAL OR COMMERCIAL DRIVEWAY WITHOUT DETECTABLE WARNNG SURFACE
- TYPE 31 SIGNALIZED OR STOP CONTROLLED MAJOR COMMERCIAL DRIVWAY WITH DETECTABLE WARNING SURFACE
- TYPE 32 RESIDENTIAL OR MINOR COMMERCIAL DRIVEWAY WITHOUT DETECTABLE WARNING SURFACE



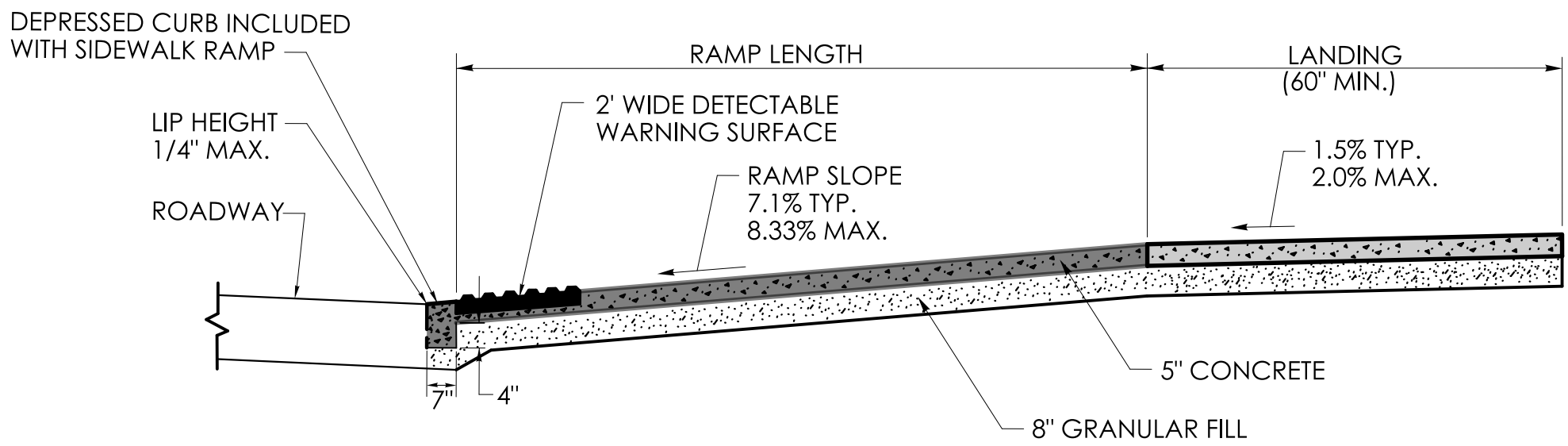
RAILROAD CROSSING RAMPS

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

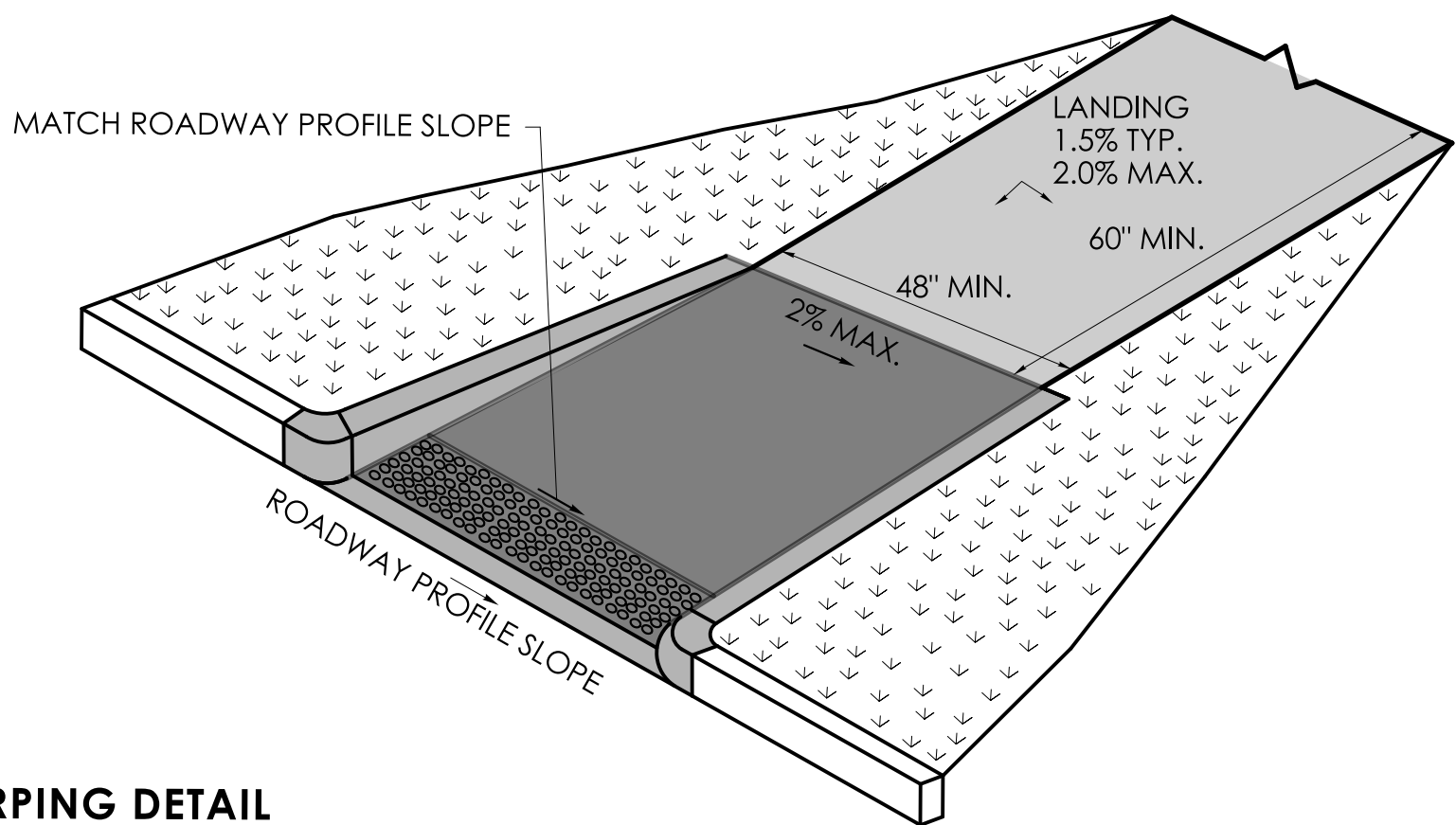
REV.	DATE	REVISION DESCRIPTION



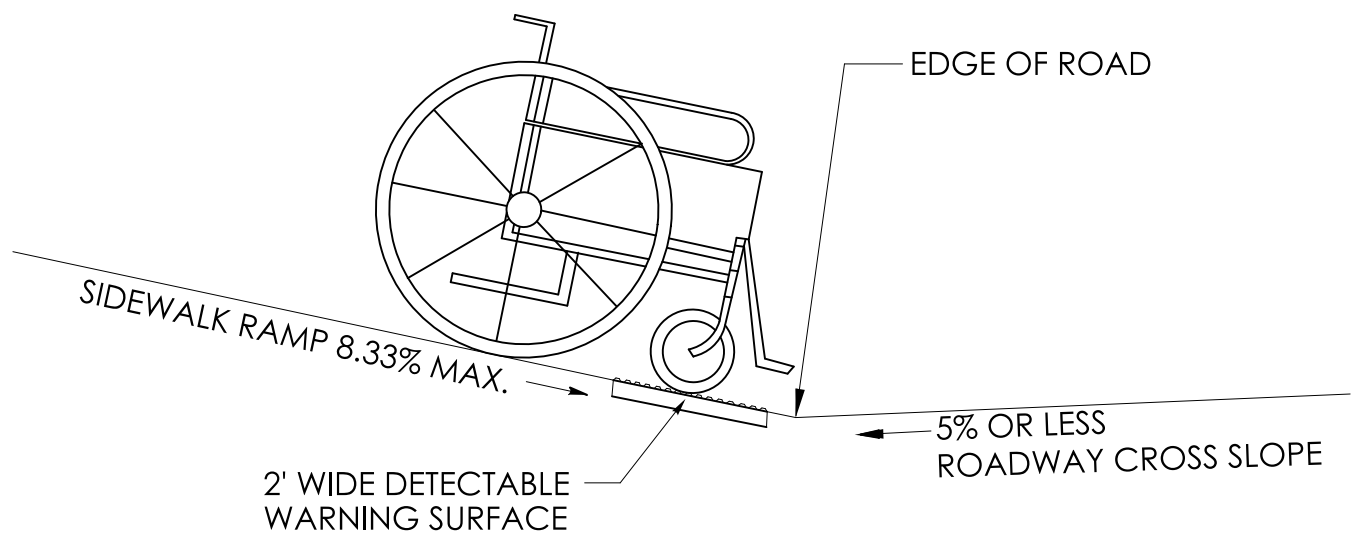
PERPENDICULAR SIDEWALK RAMP
AND SECTION



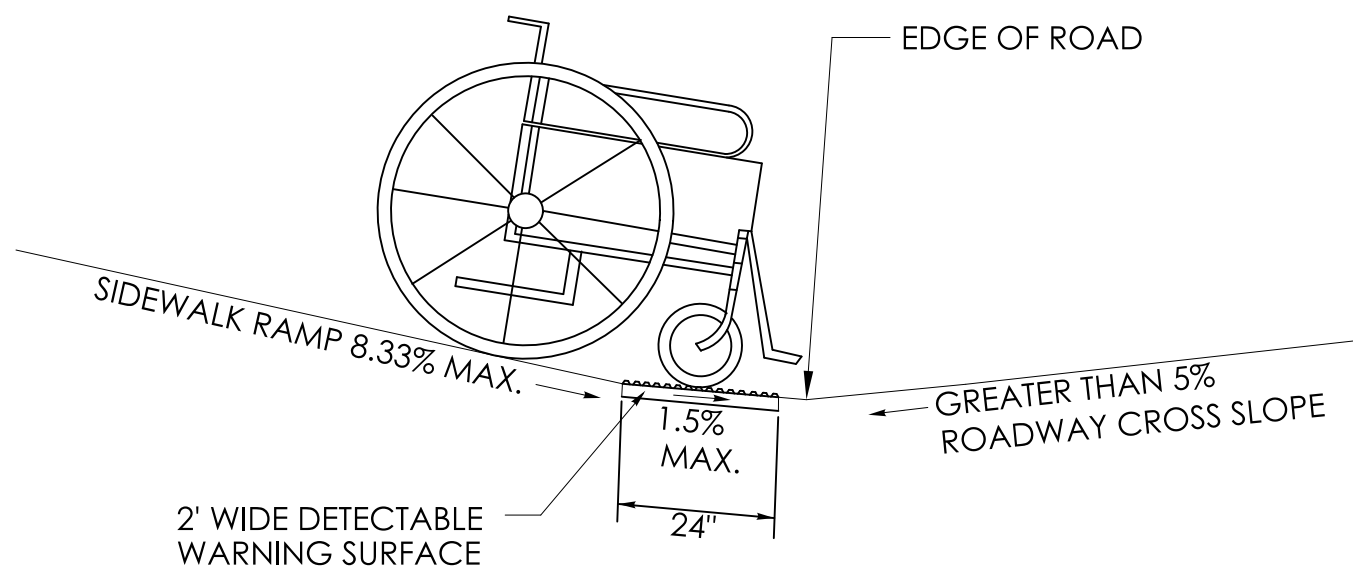
SECTION A



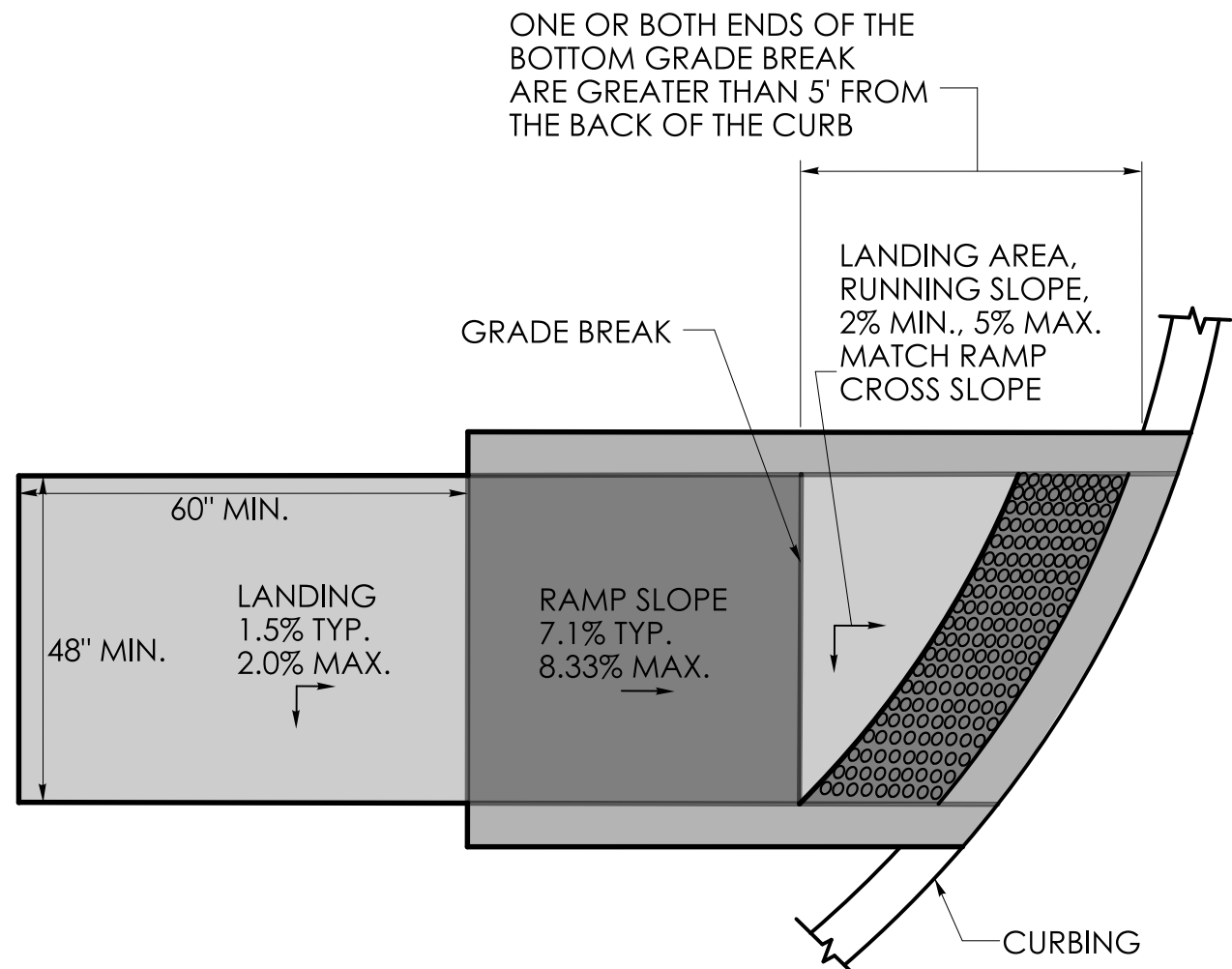
- RAMP WARPING DETAIL**
1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3% PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
 2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.



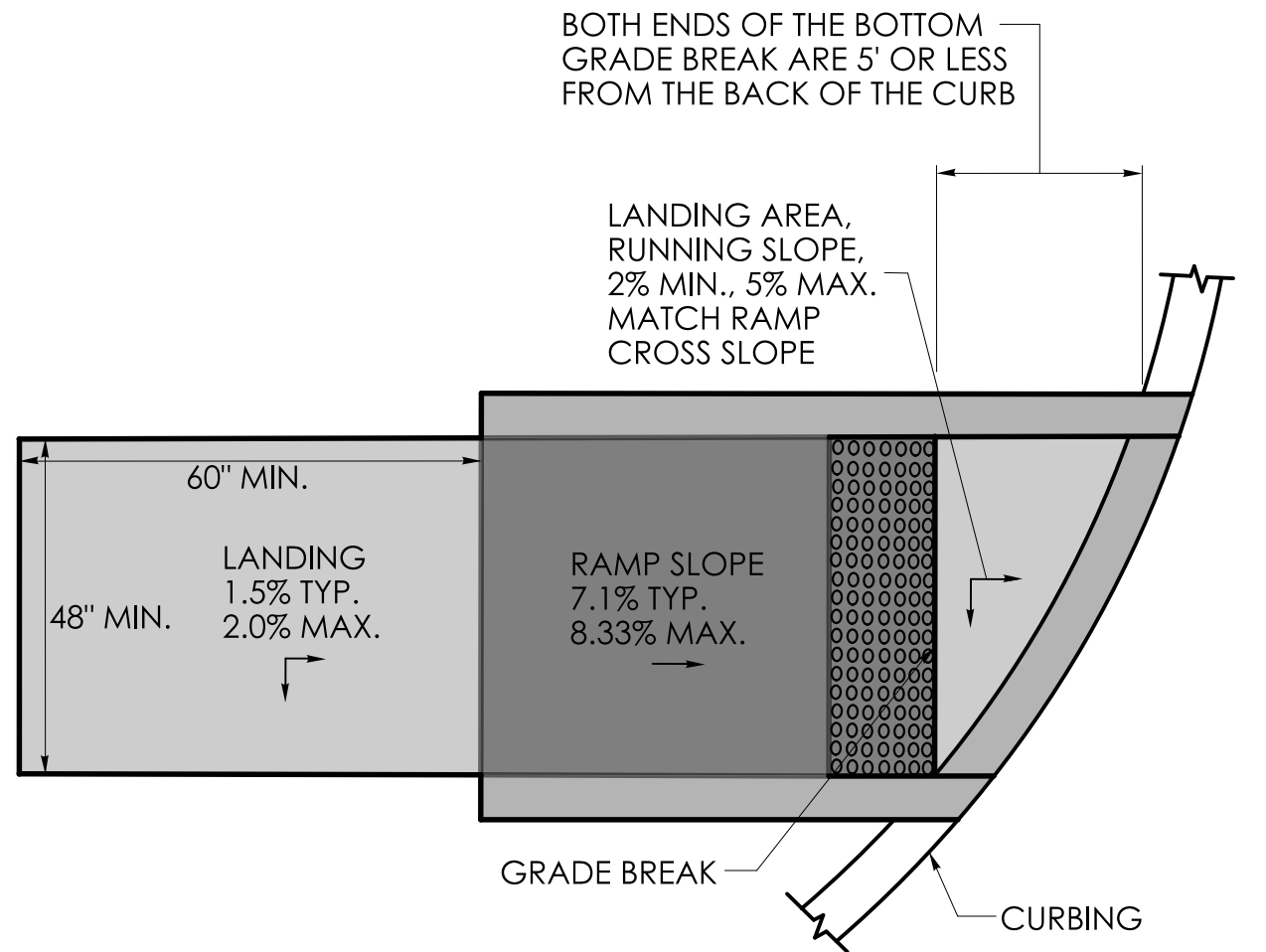
SIDEWALK RAMP GRADE AT
ROADWAY CROSS SLOPE OF 5% OR LESS
GUTTER COUNTER SLOPE



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



GRADE BREAK GREATER THAN 5'
DETECTABLE WARNING SURFACE LOCATION

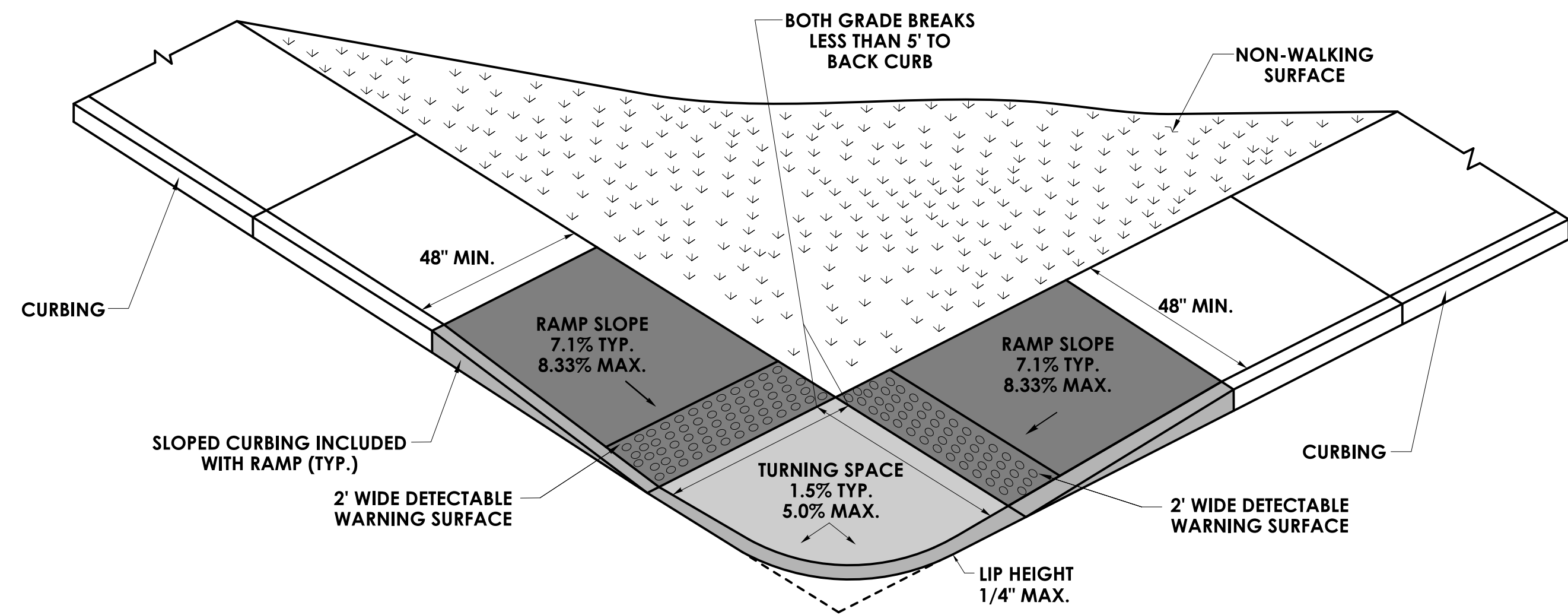


GRADE BREAK OF 5' OR LESS
DETECTABLE WARNING SURFACE LOCATION

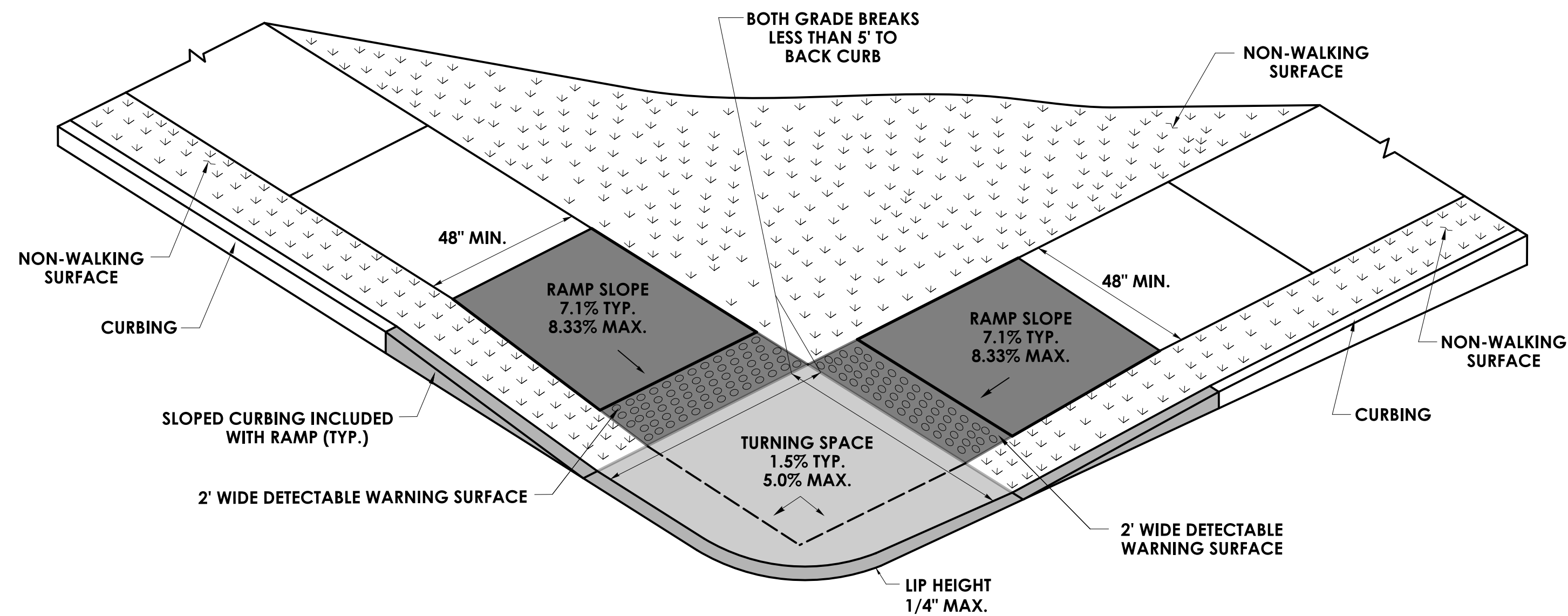
GENERAL NOTES:

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

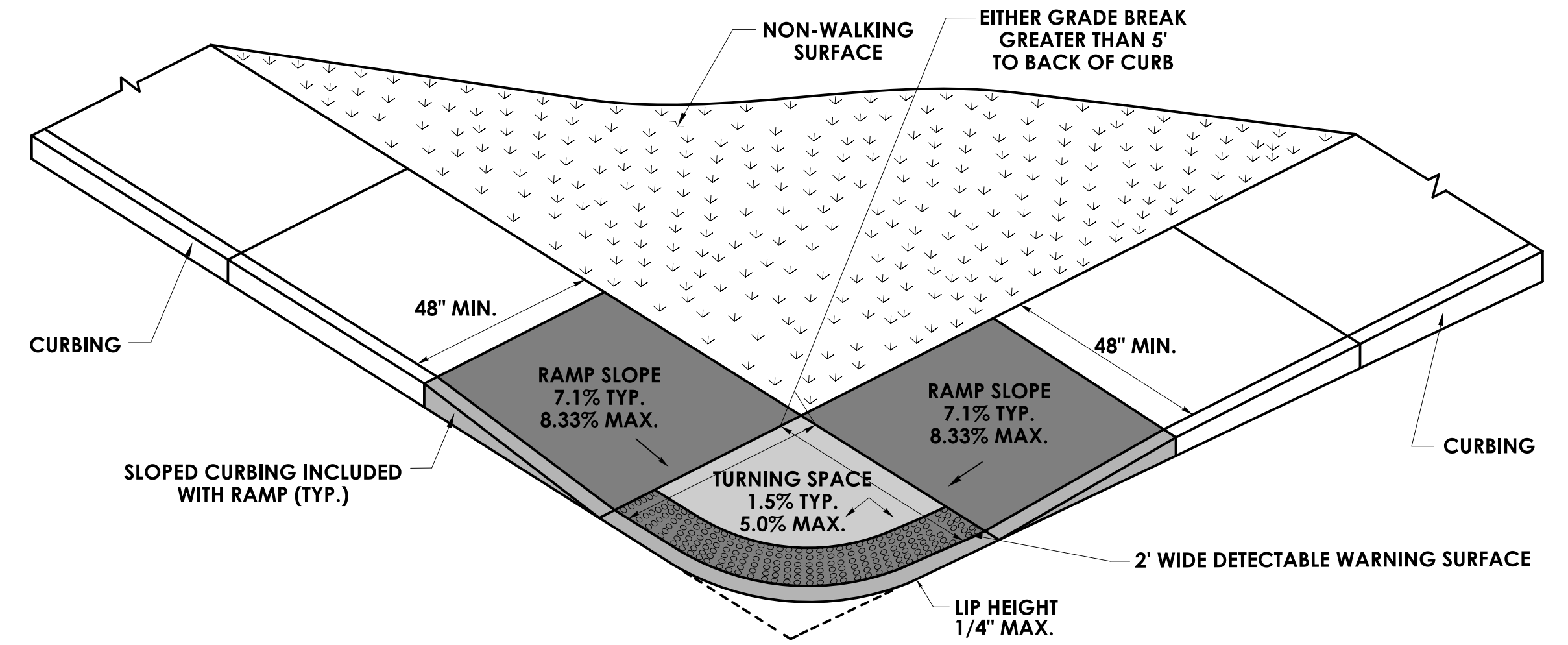
REV.	DATE	REVISION DESCRIPTION



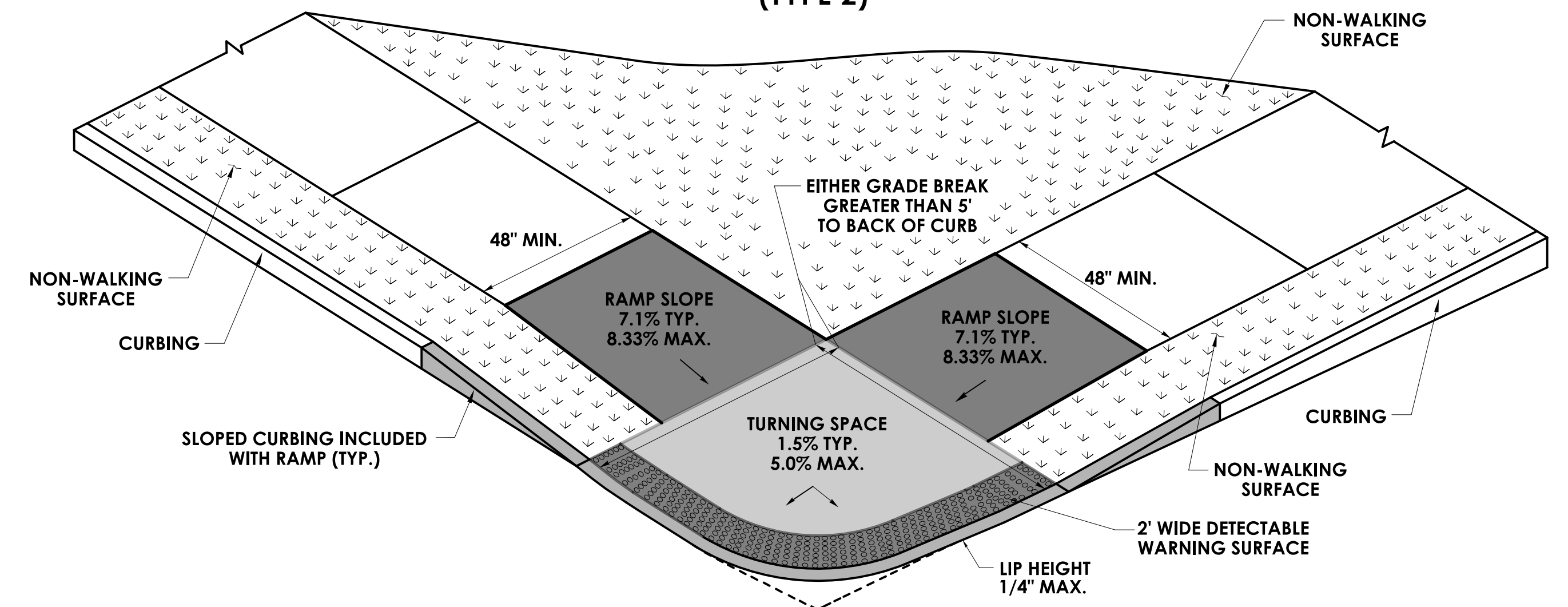
**PERPENDICULAR RAMP
WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS
(TYPE 1)**



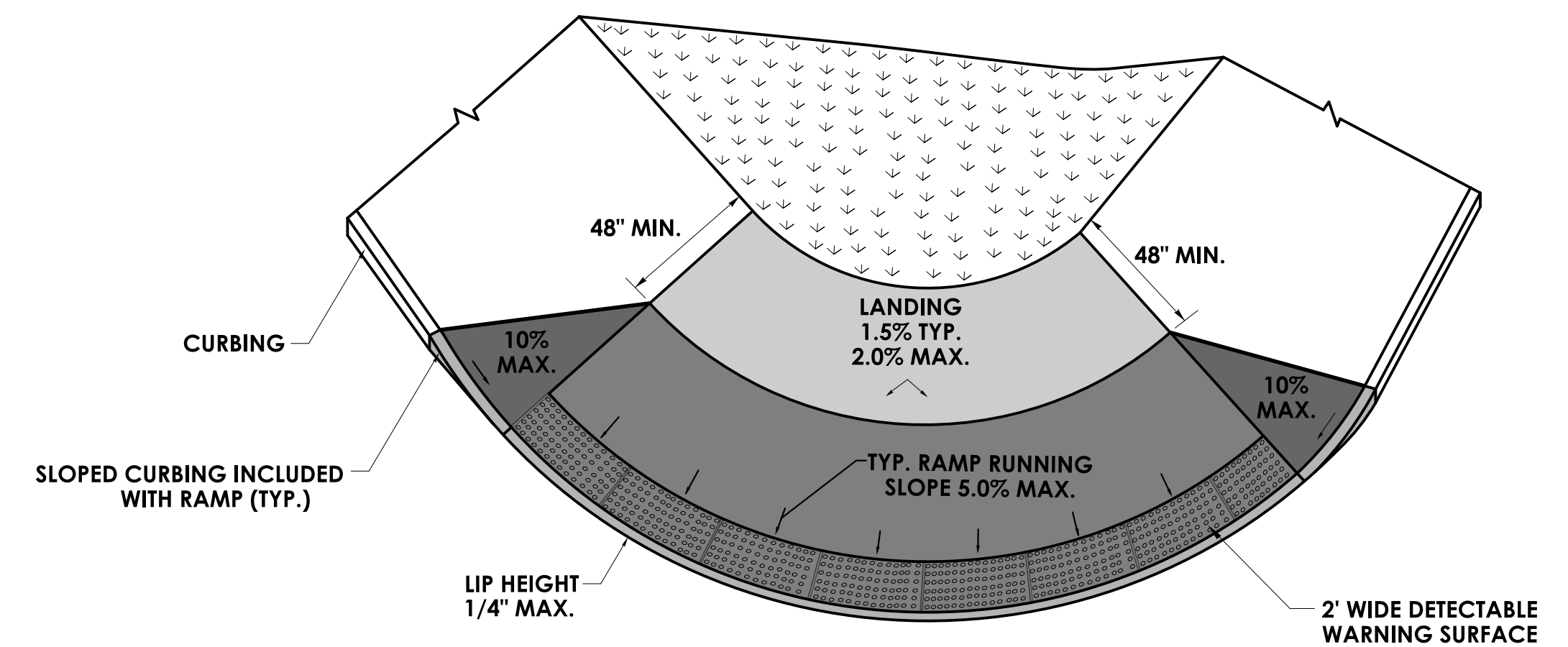
**PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB OF 5' OR LESS
WITH NON-WALKING SURFACE
(TYPE 3)**



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

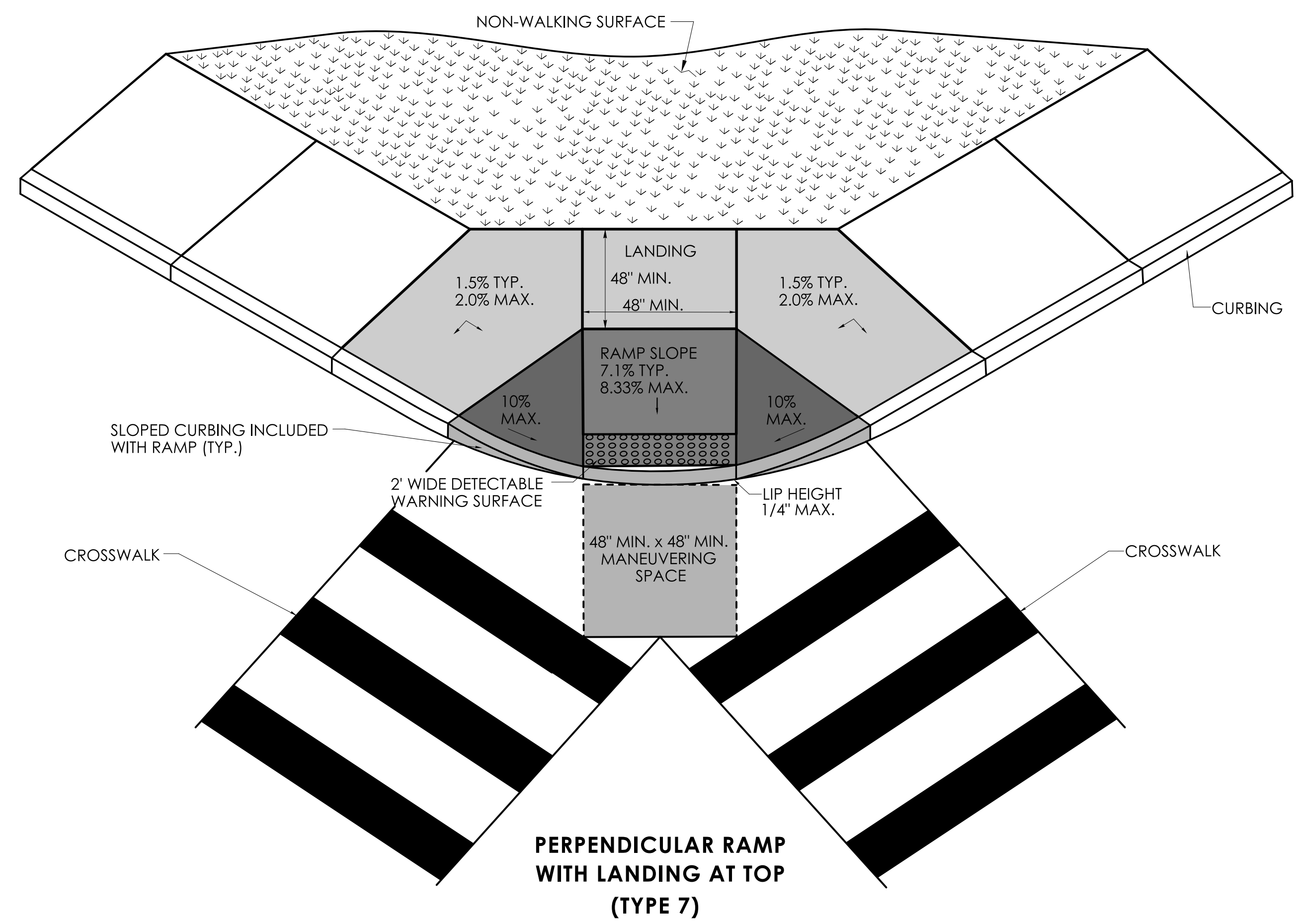
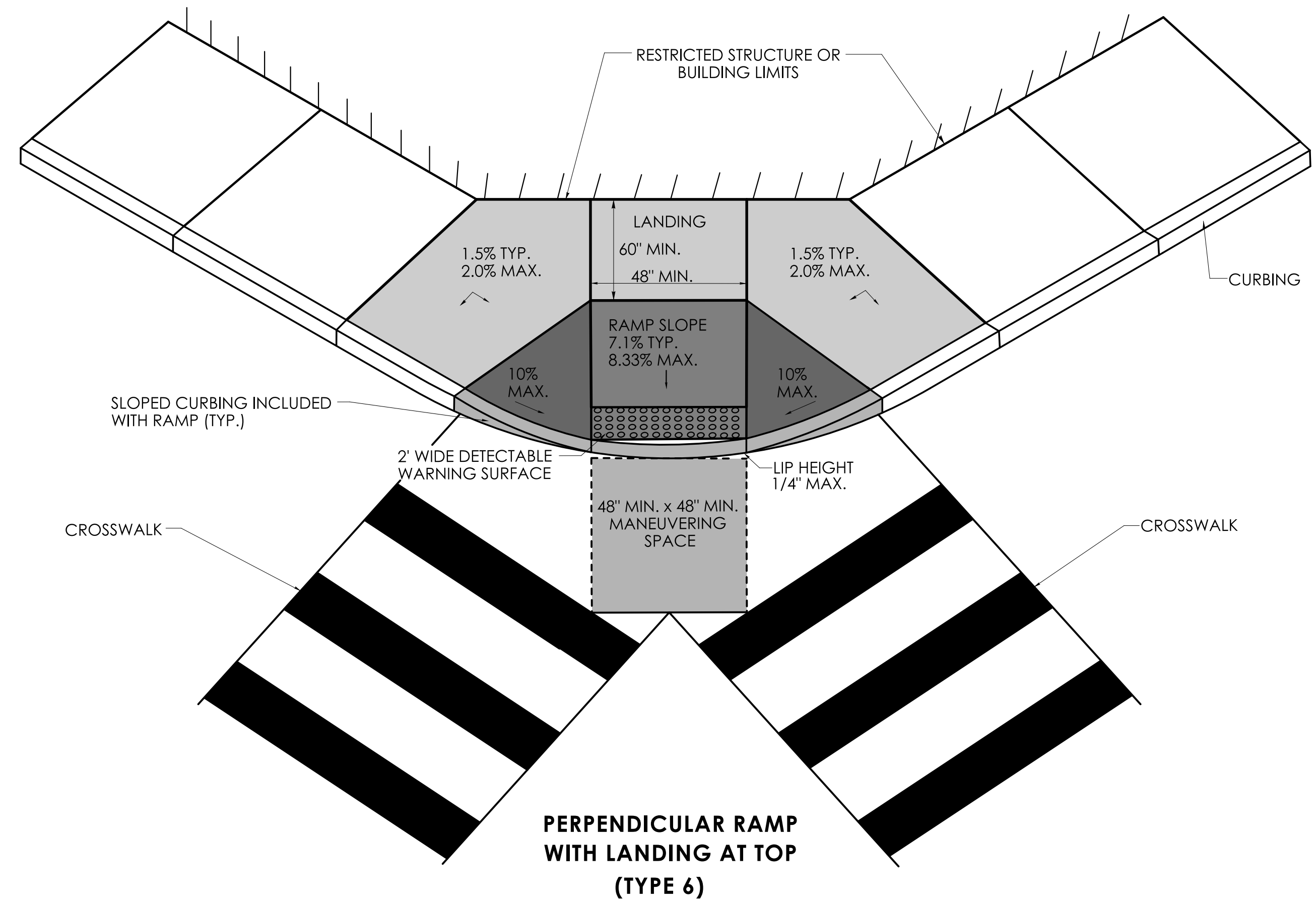


**BLENDED TRANSITION
WITH A GRADE BREAK
TO BACK OF CURB GREATER THAN 5'
WITH NON-WALKING SURFACE
(TYPE 4)**

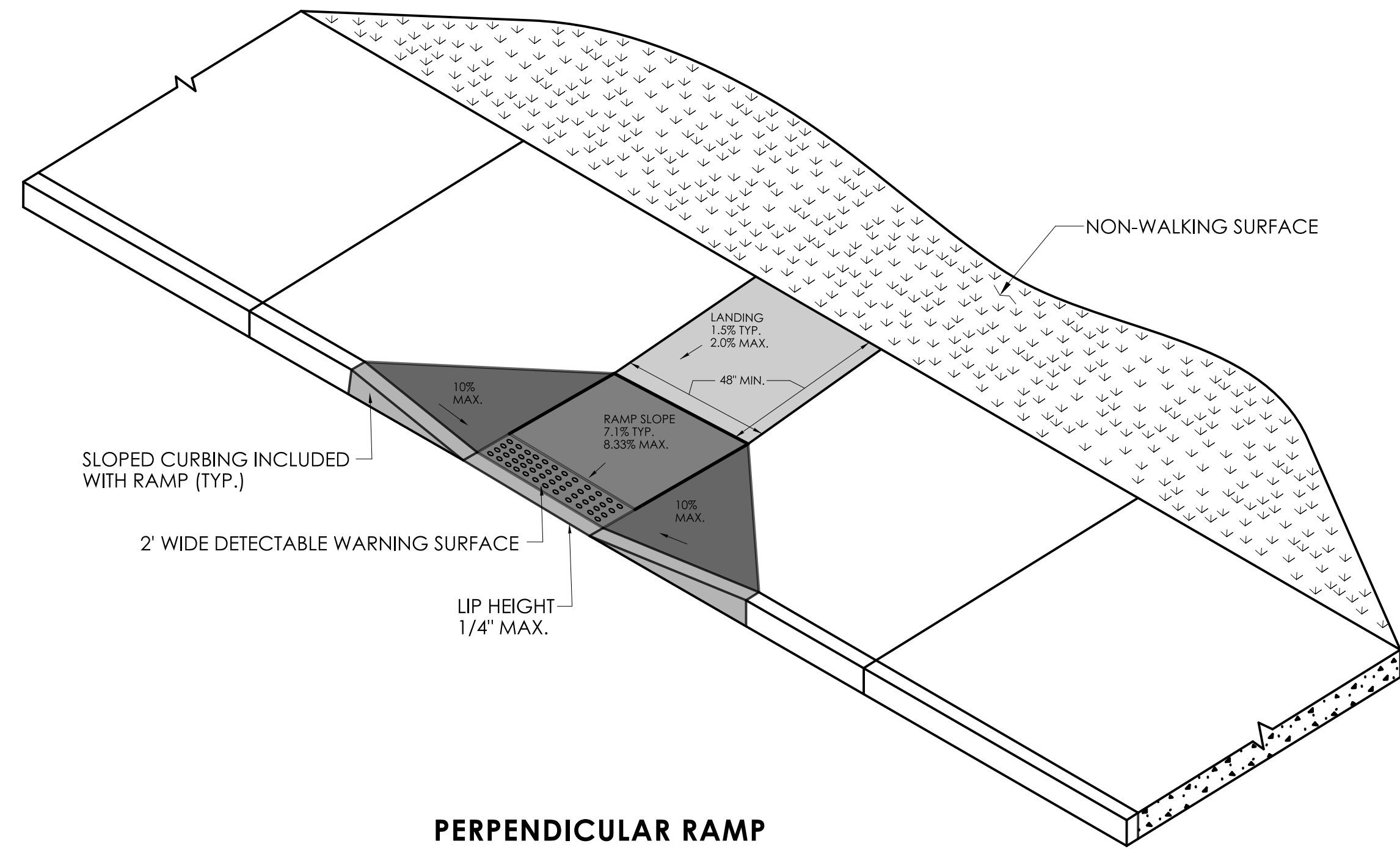


**BLENDED TRANSITION
WITH LANDING AT TOP
(TYPE 5)**

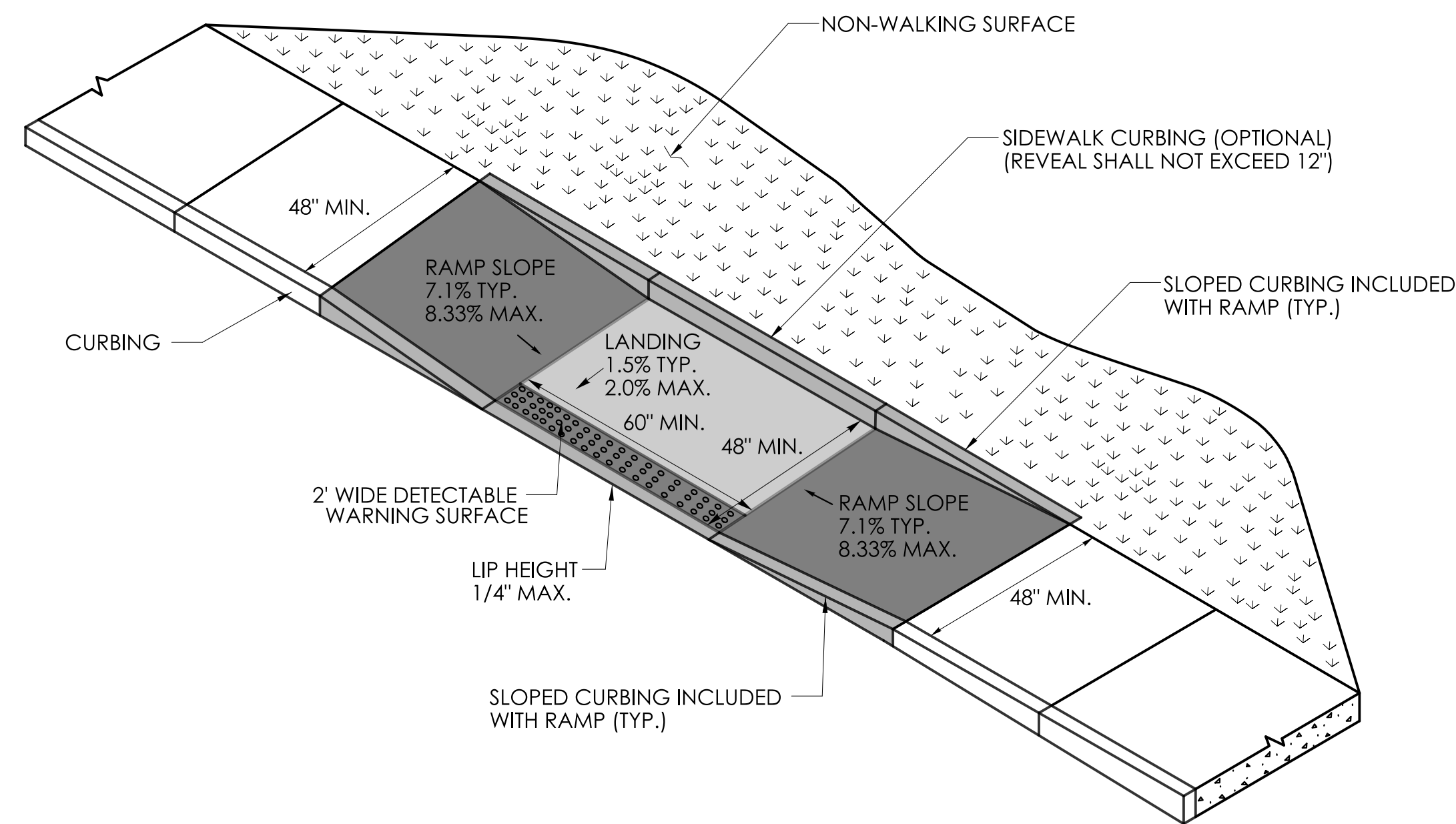
REV.	DATE	REVISION DESCRIPTION



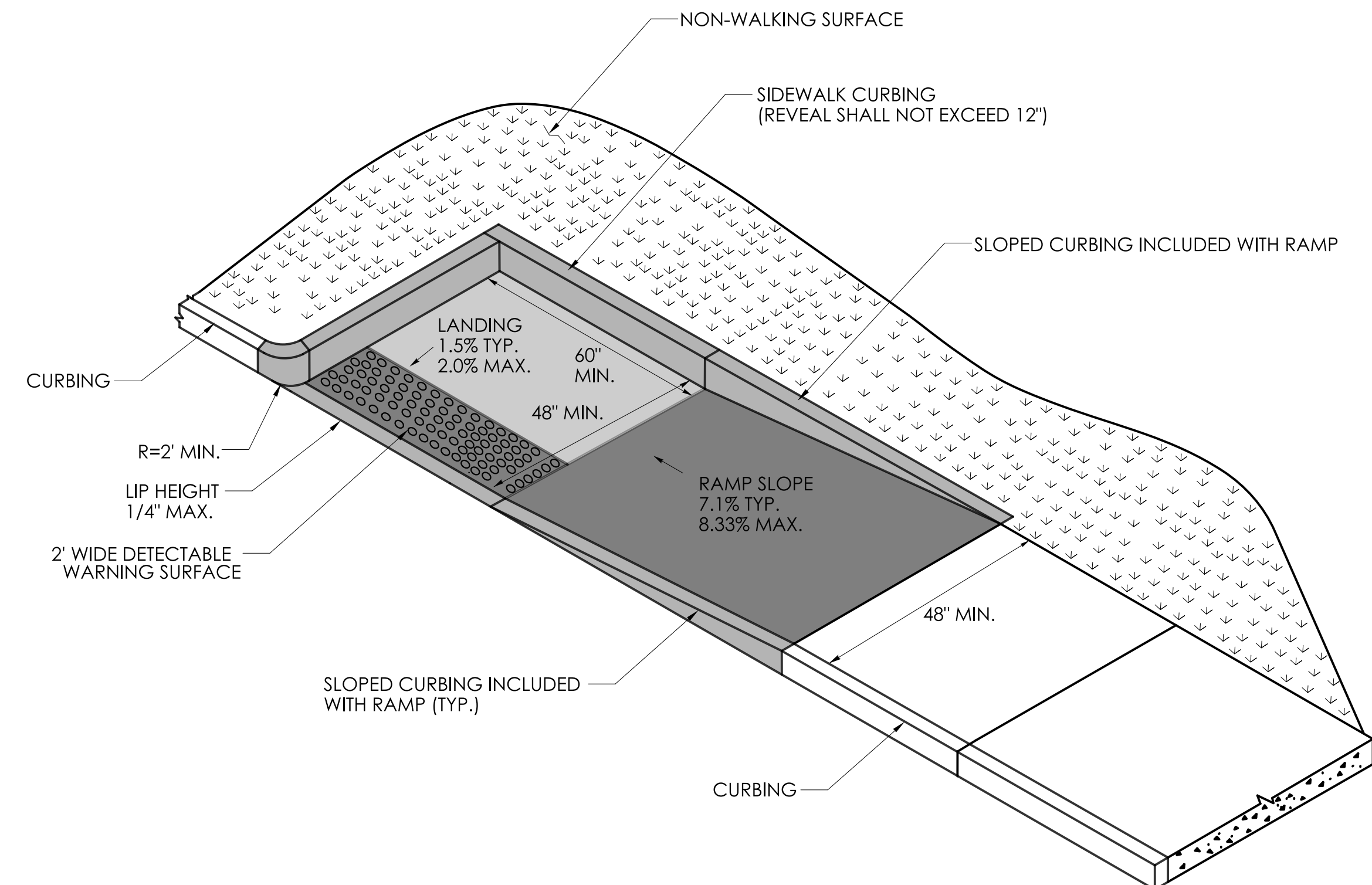
REV.	DATE	REVISION DESCRIPTION



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



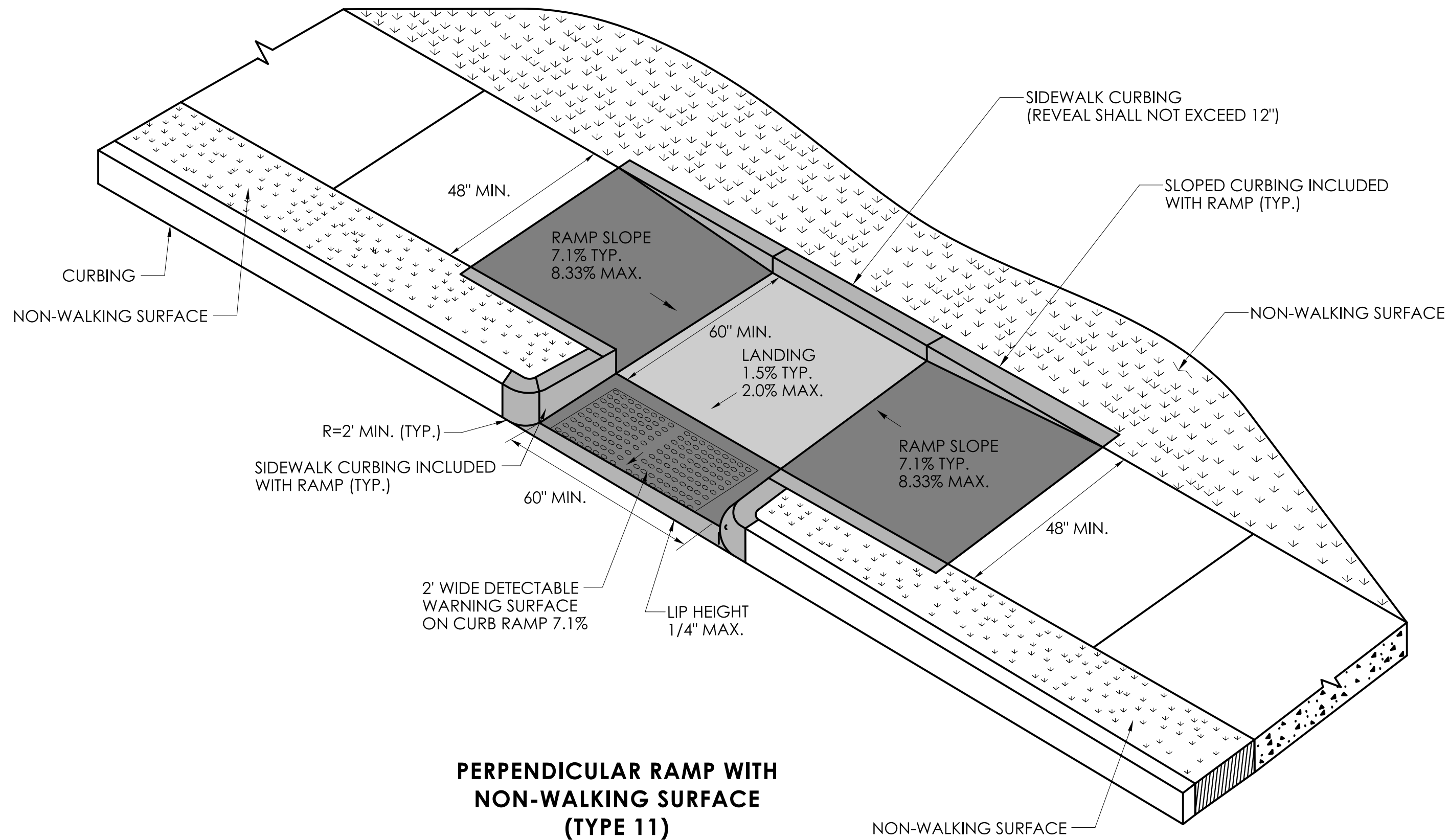
**PARALLEL RAMP WITHOUT
NON-WALKING SURFACE
(TYPE 9)**



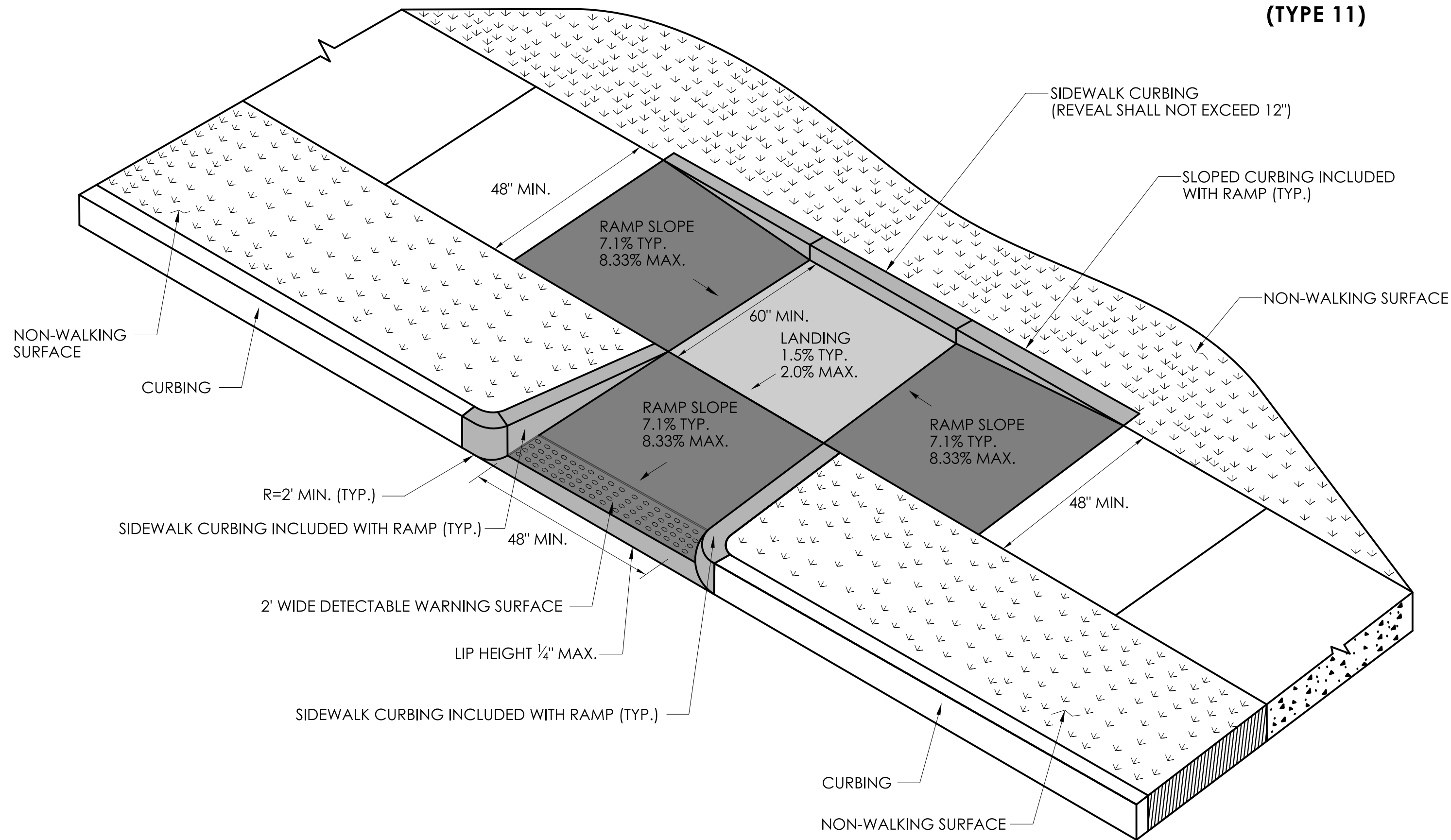
**PARALLEL RAMP
WITH LANDING AT BOTTOM ON CORNER
(TYPE 10)**

REV.	DATE	REVISION DESCRIPTION

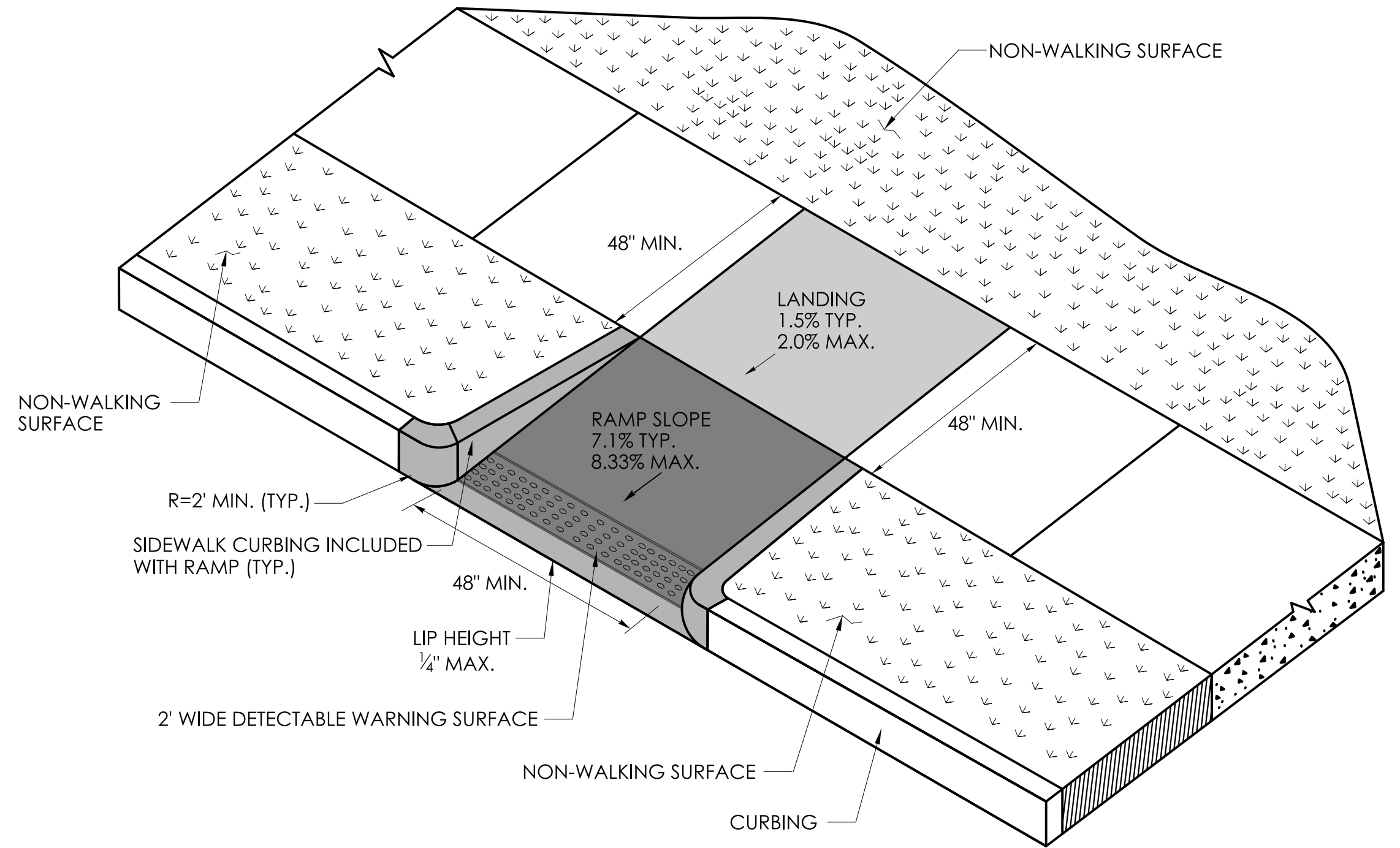
DESIGNER/DRAFTER:	CHECKED BY:	SIGNATURE/ BLOCK:	APPROVED BY:	PROJECT NUMBER: 0000-0000	DRAWING NO.
LASTED SAVED BY: RichardEH	FILE NAME: W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel	OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	STATE OF CONNECTICUT 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	



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

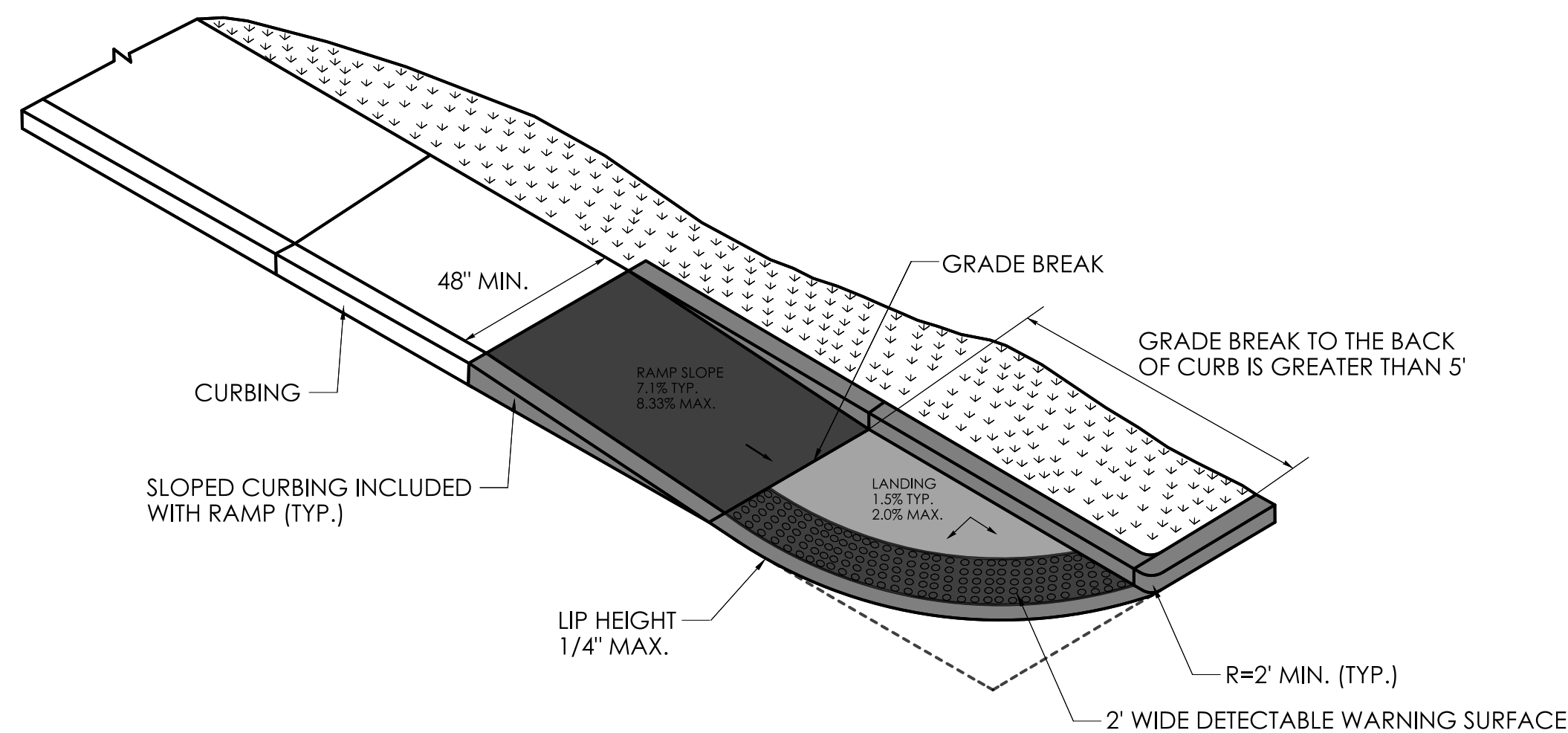


**PERPENDICULAR RAMP WITH SIDEWALK CURB
AND NON-WALKING SURFACE
(TYPE 12)**

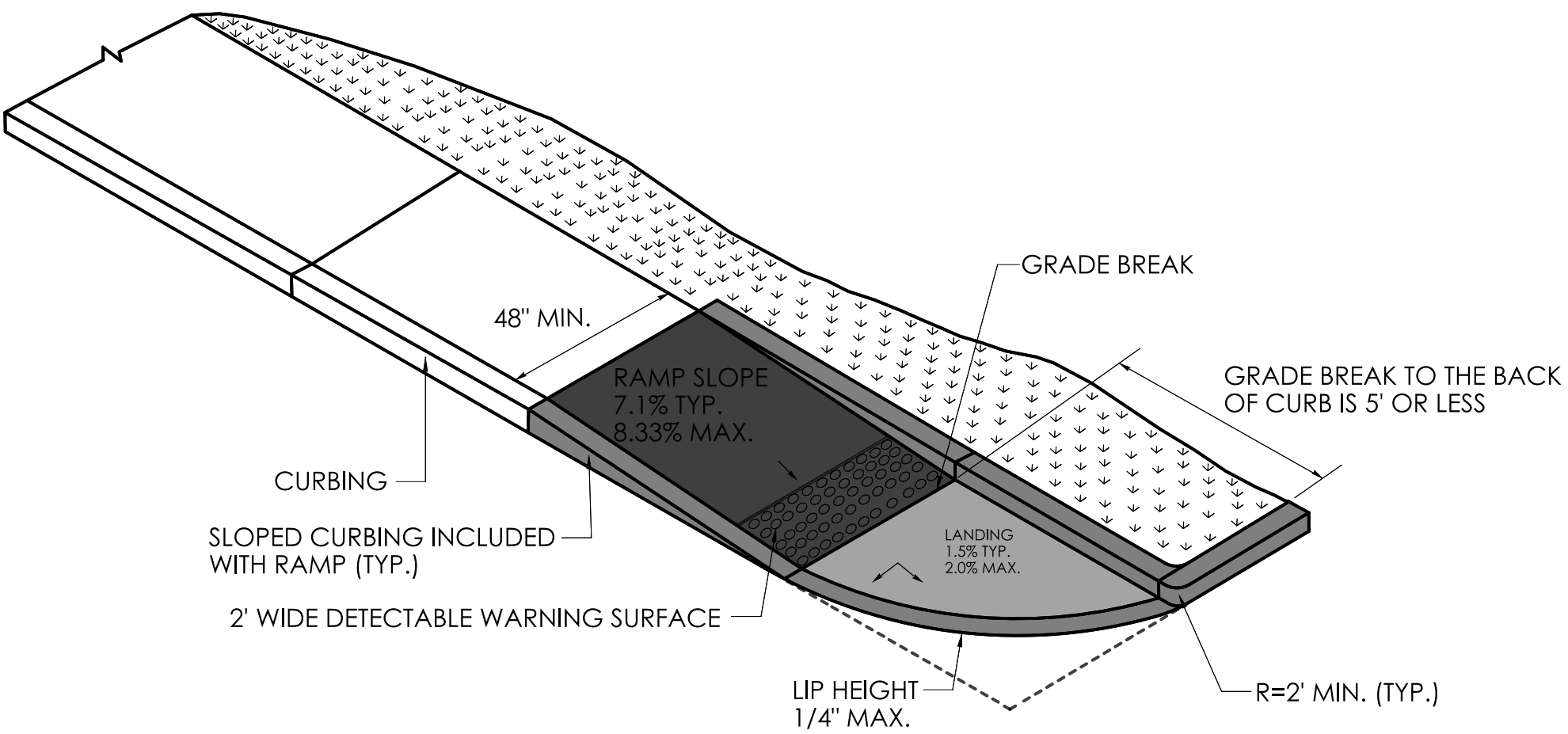


**PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 13)**

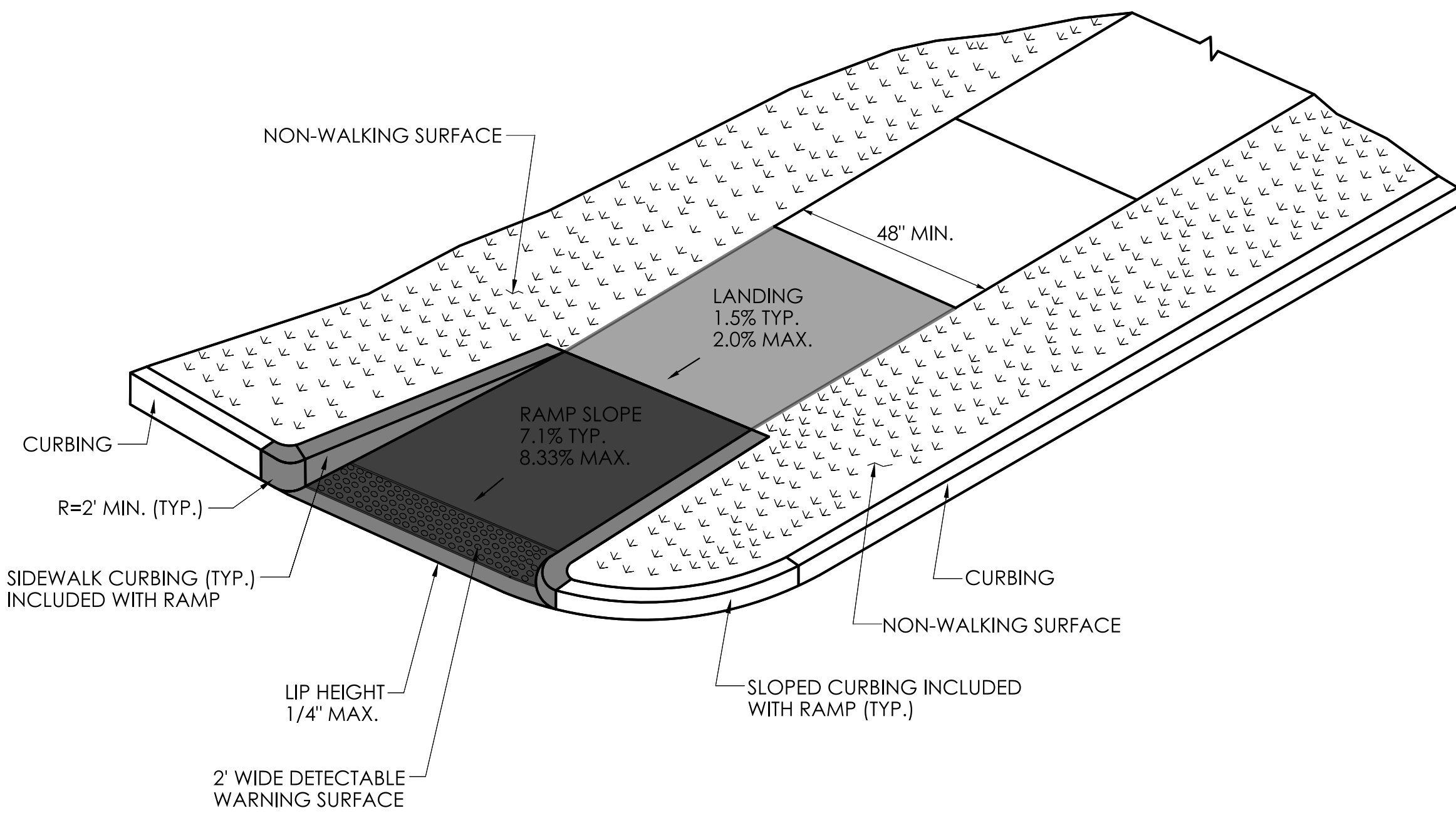
REV.	DATE	REVISION DESCRIPTION



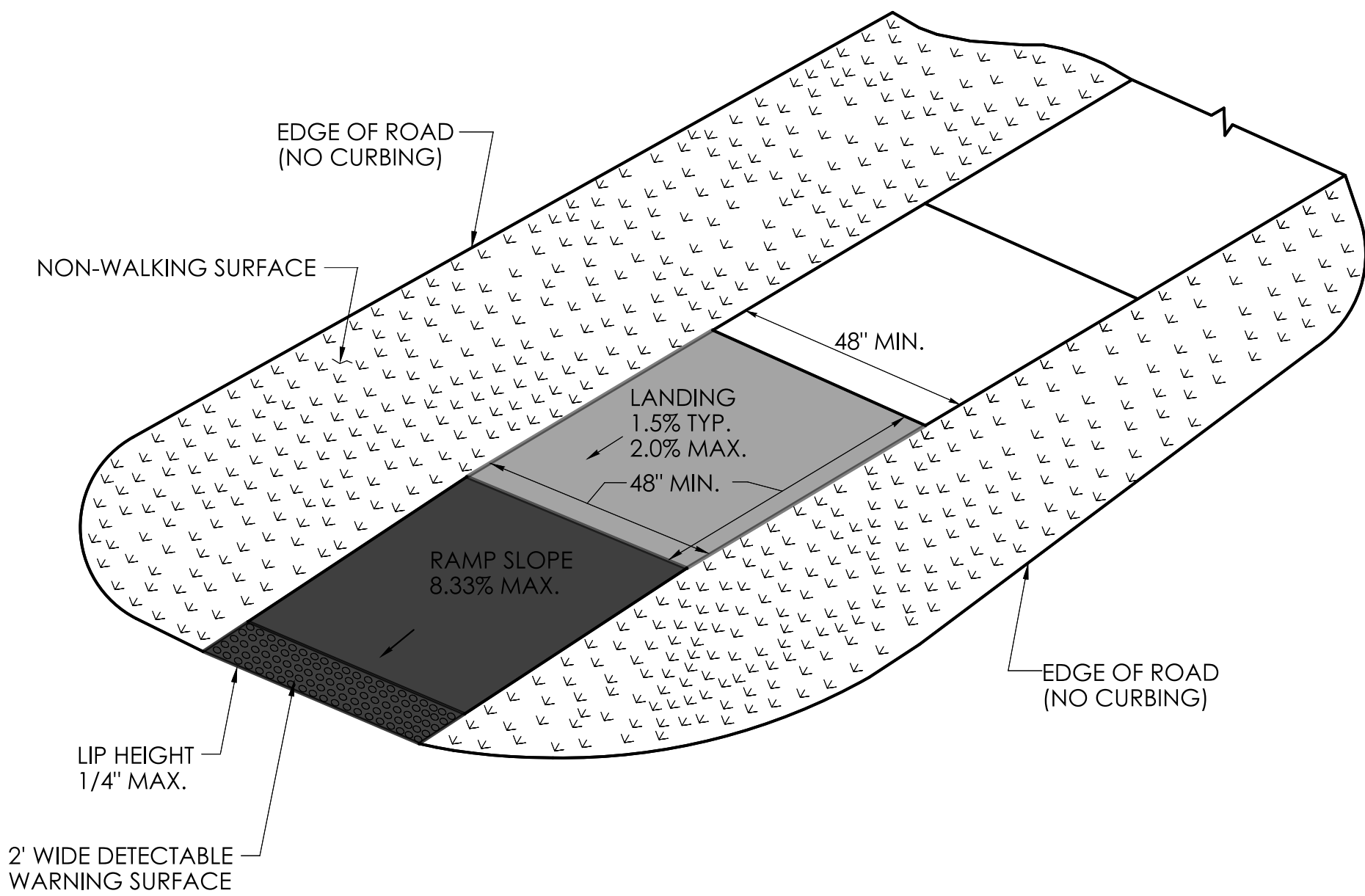
**SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK GREATER THAN 5'
(TYPE 14)**



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

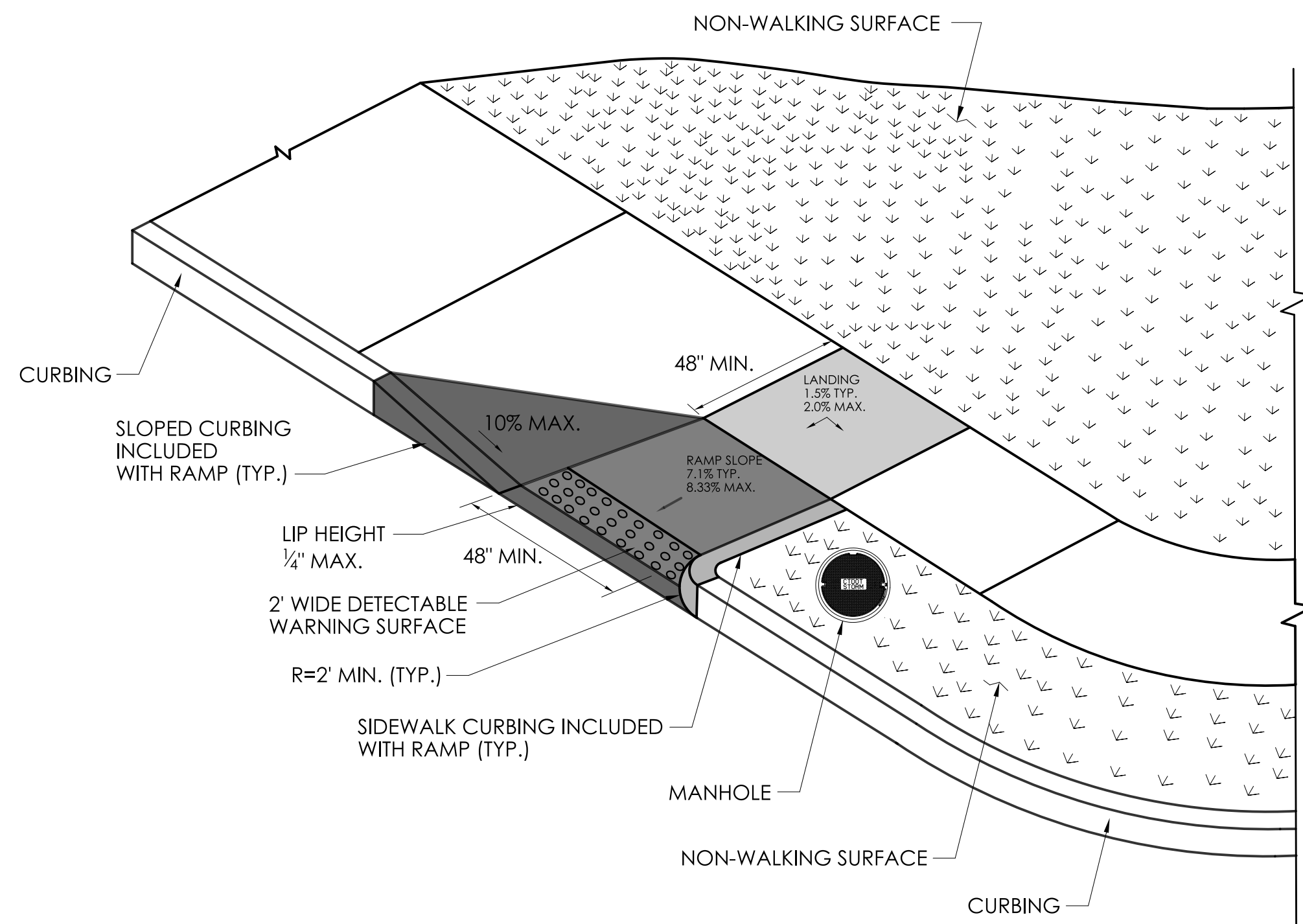


**SINGLE DIRECTION - RETURN CURB
WITH NON-WALKING SURFACE
(TYPE 16)**

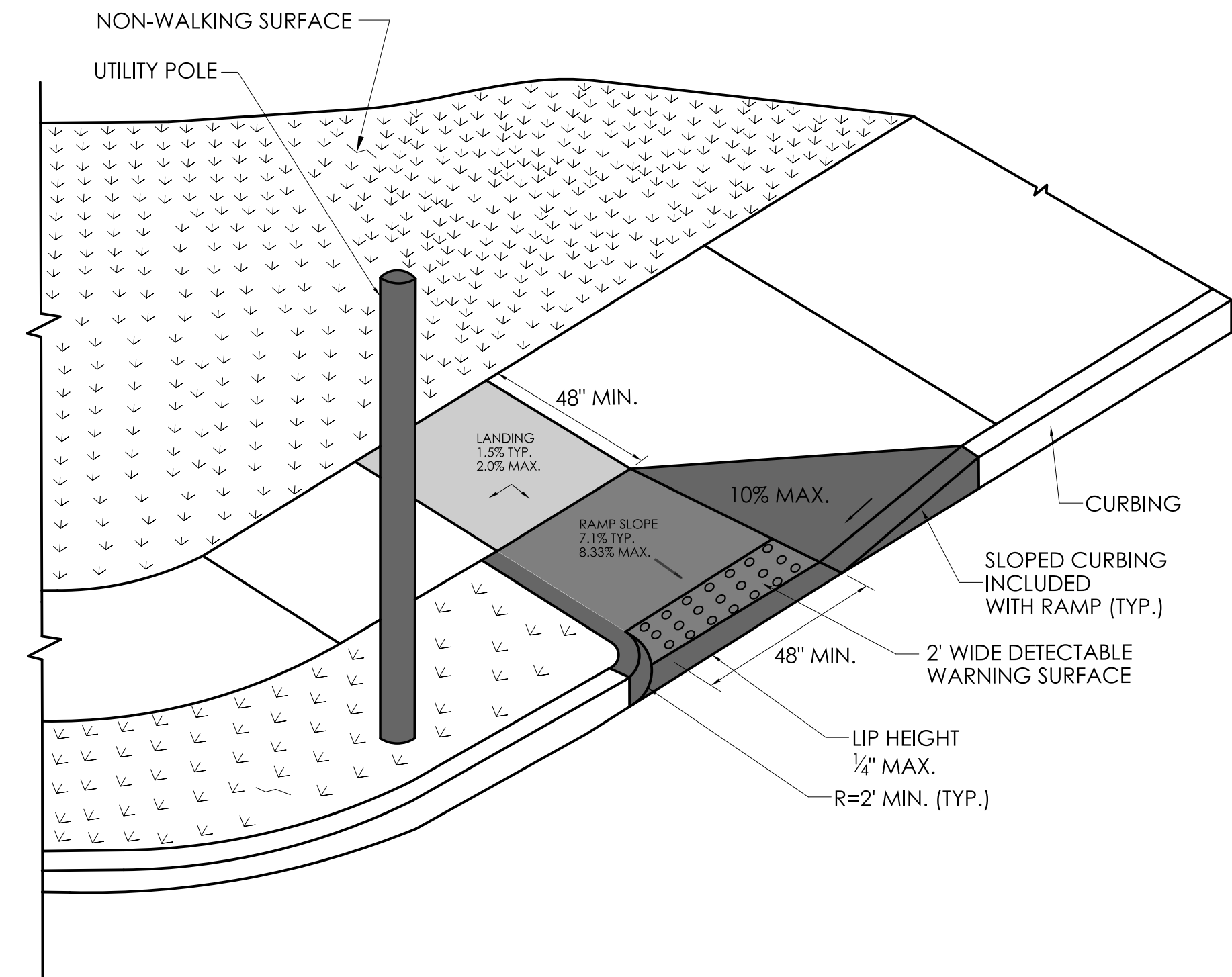


**SINGLE DIRECTION - NO CURB
WITH NON-WALKING SURFACE
(TYPE 17)**

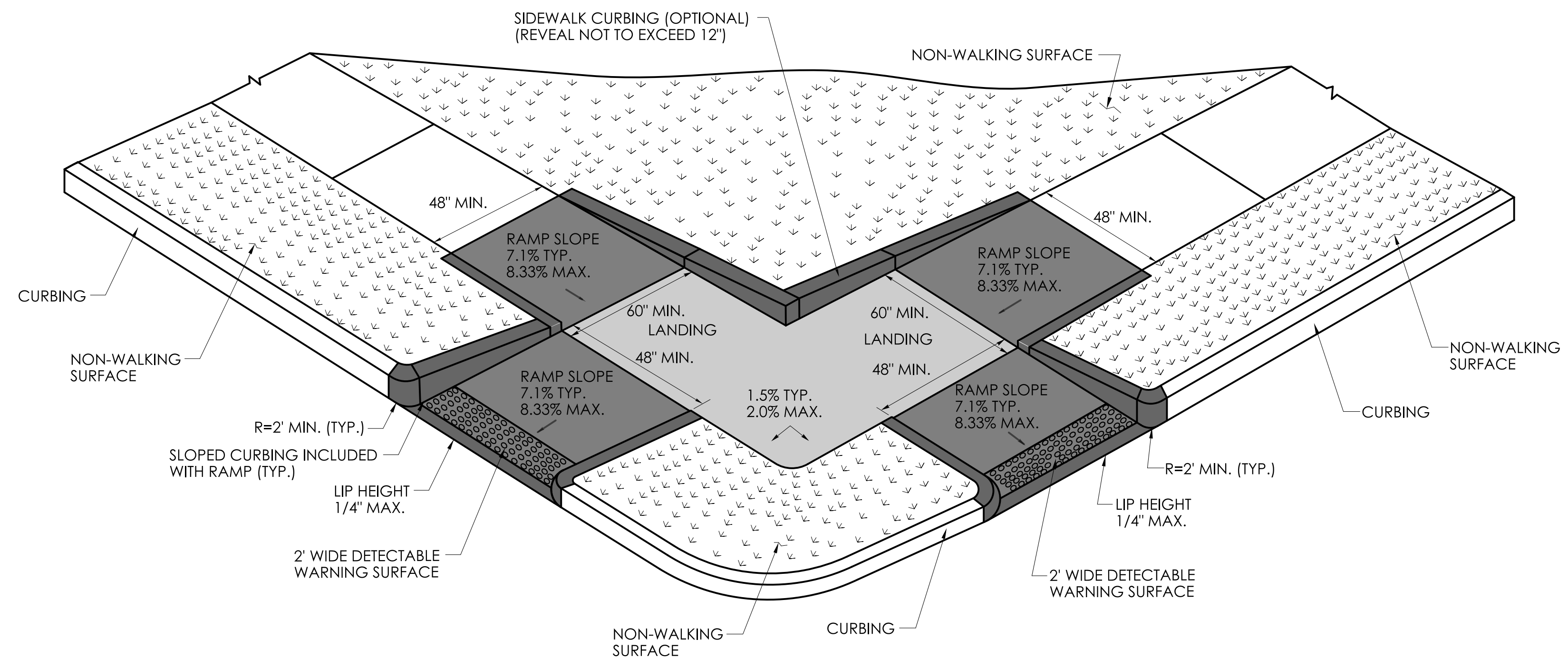
REV.	DATE	REVISION DESCRIPTION



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



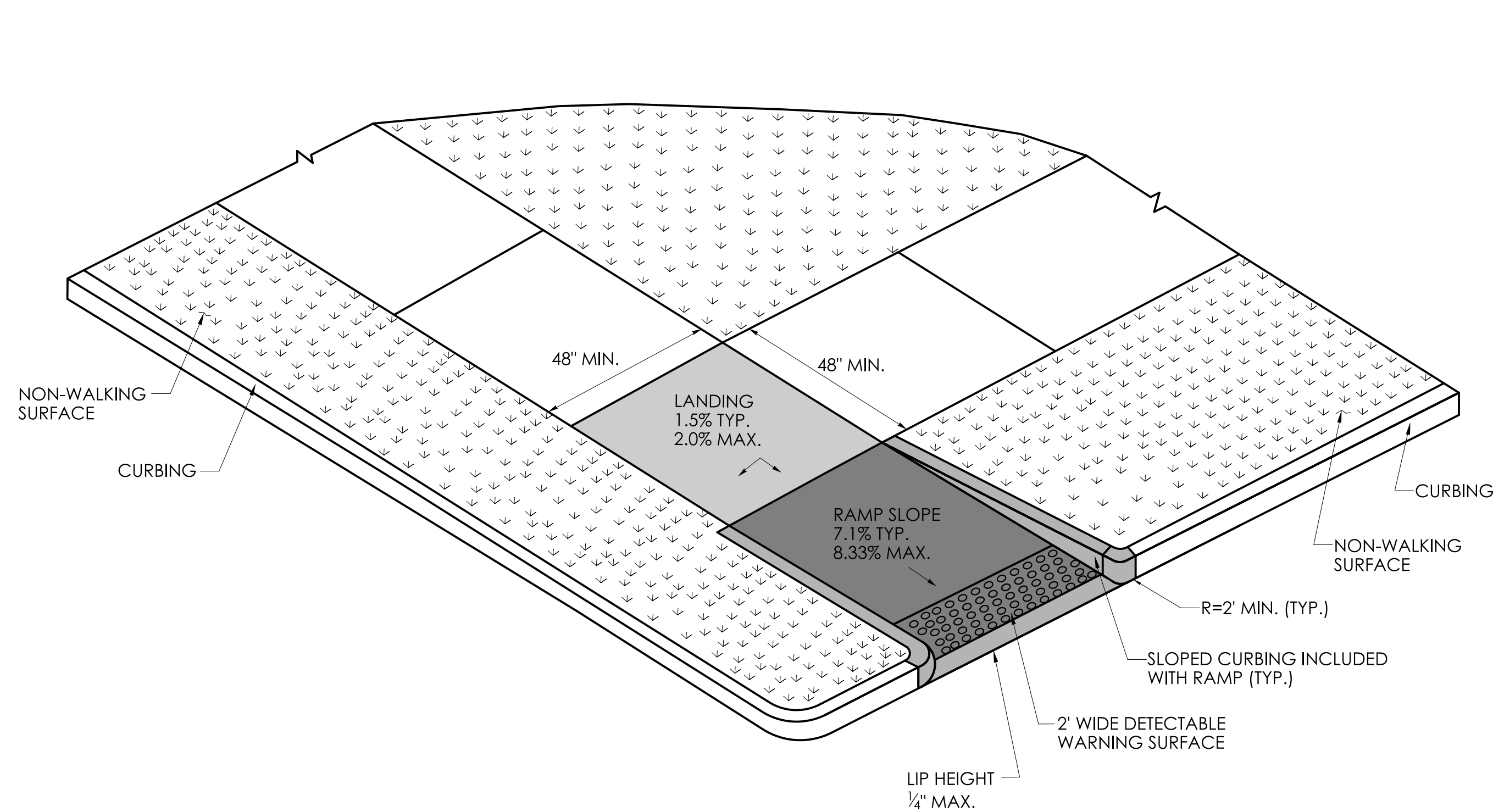
**PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 18 RIGHT)**



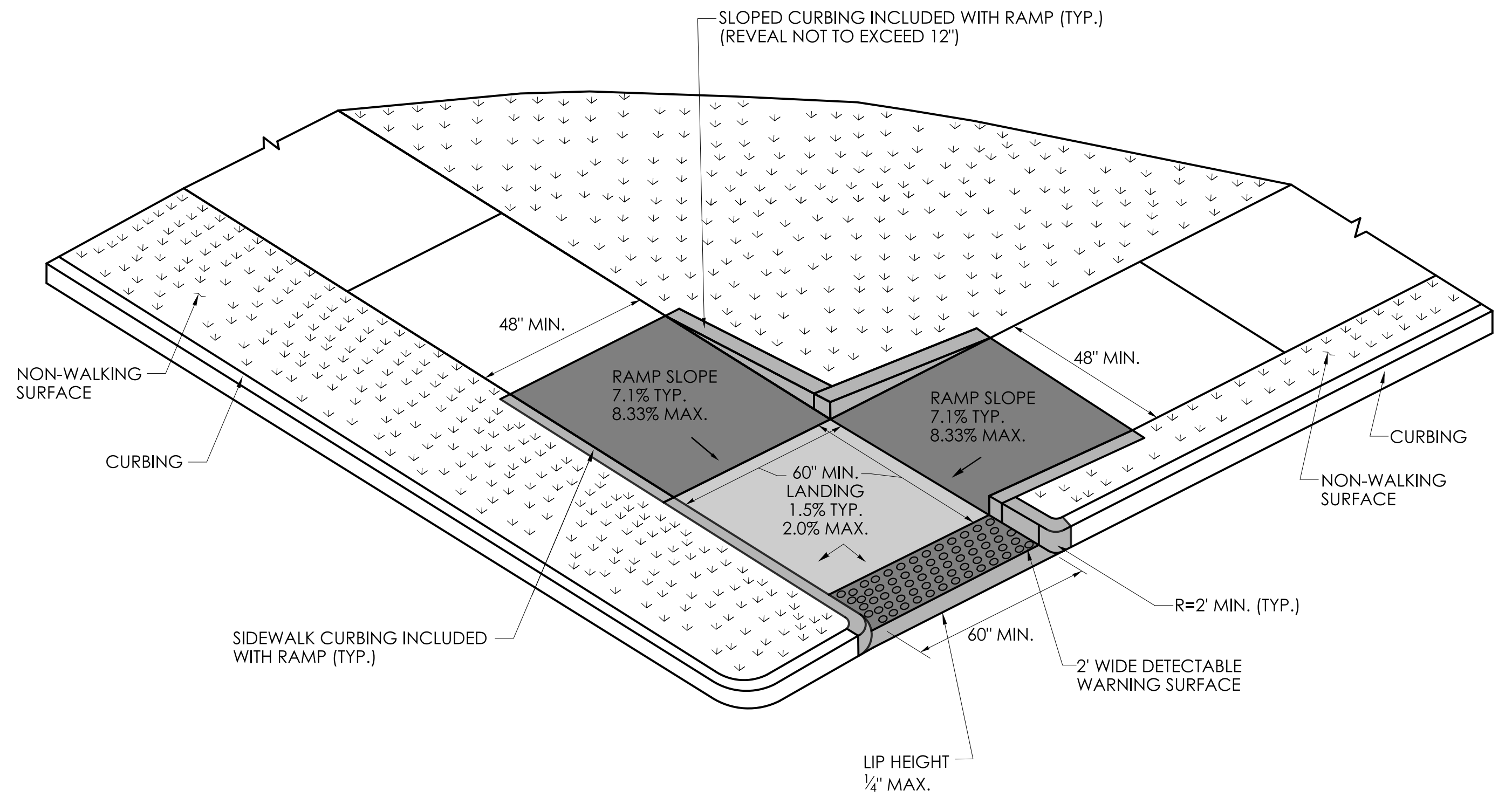
**PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 19)**

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 7 OF 11	DRAWING NO.
OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111						SHEET NO.



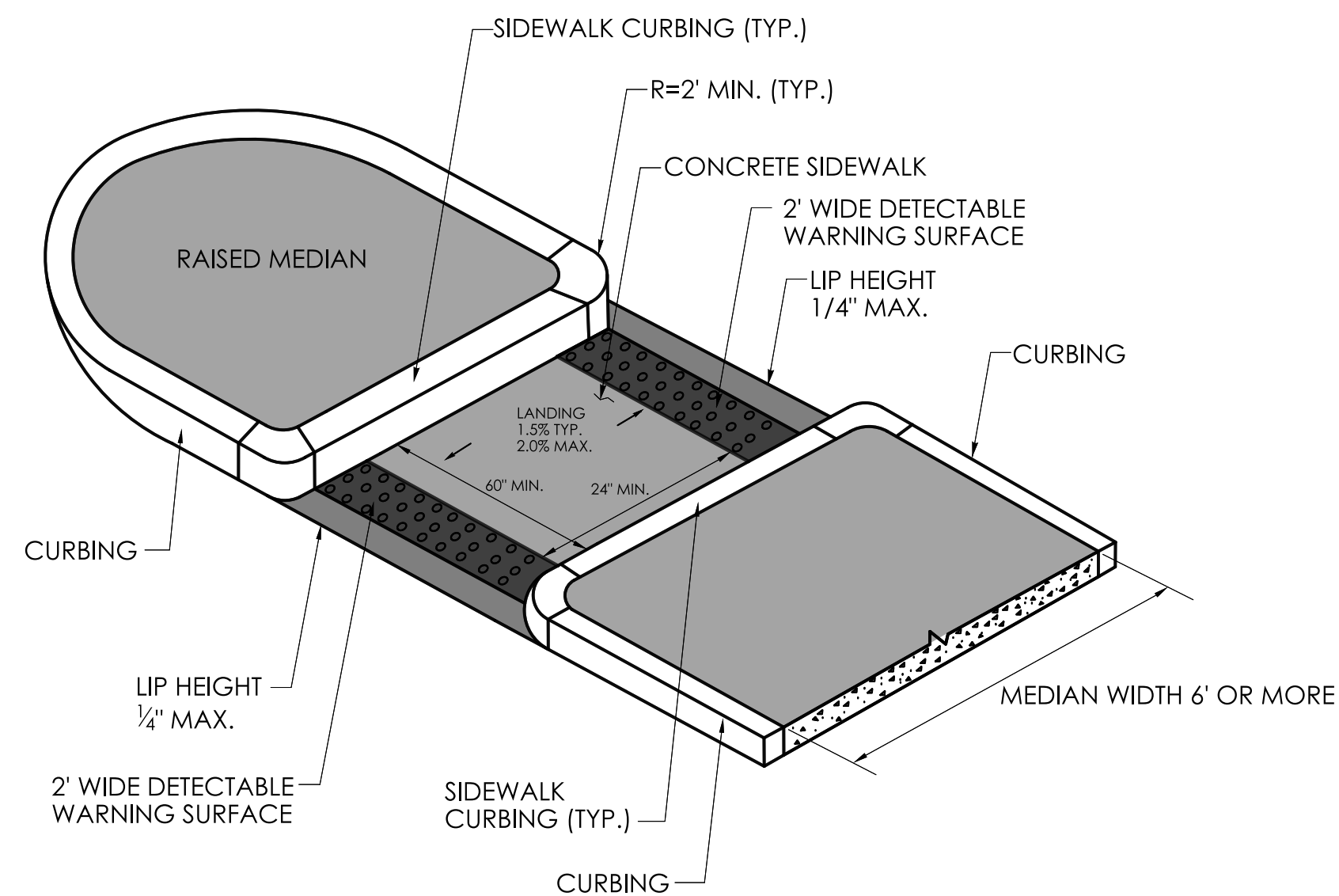
**RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP
WITH NON-WALKING SURFACE
(TYPE 20)**



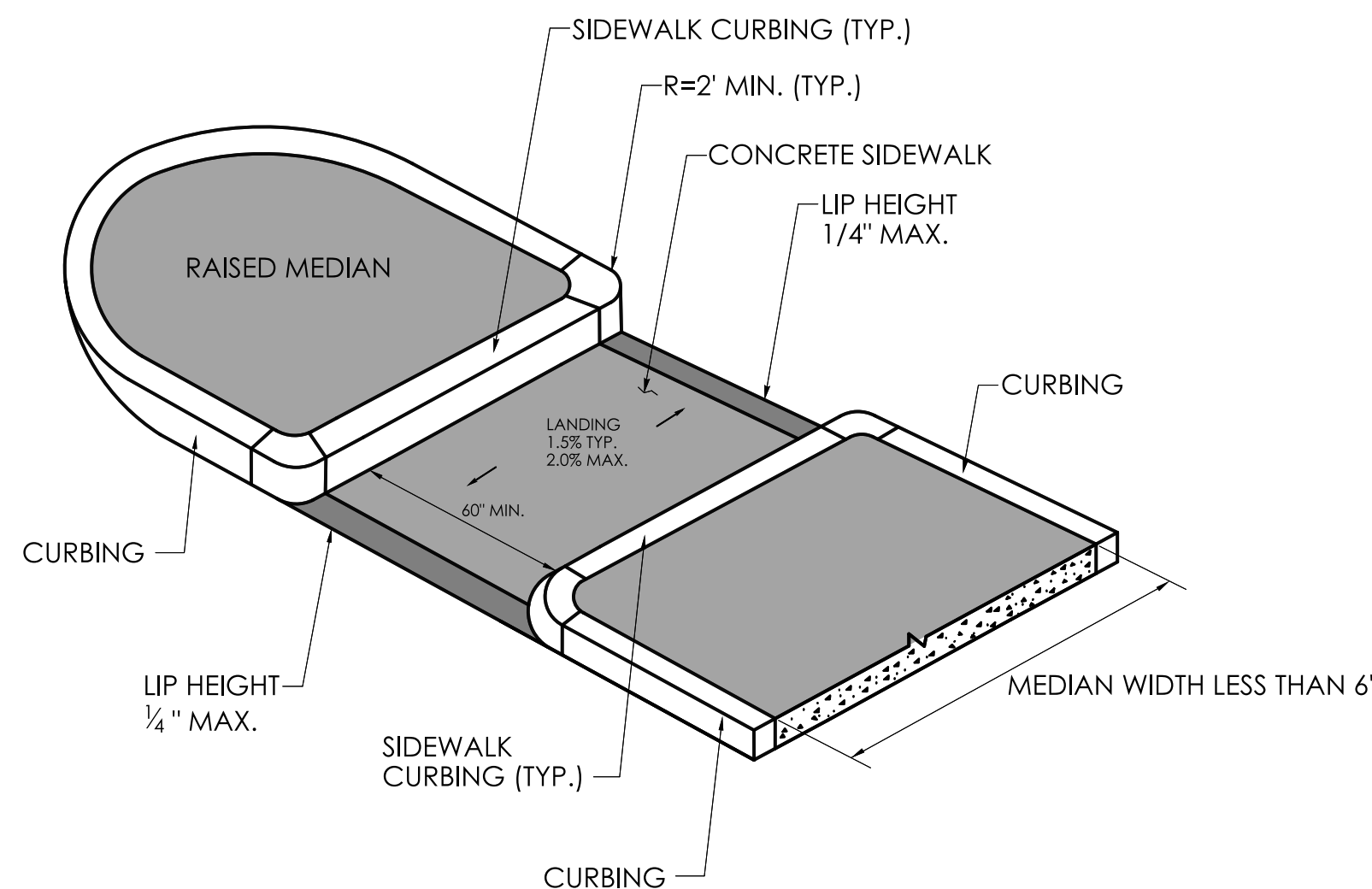
**RESTRICTED PEDESTRIAN CROSSING
WITH LANDING AT BOTTOM AND NON-WALKING SURFACE
(TYPE 21)**

REVISION DESCRIPTION			
REV.	DATE	DESIGNER/DRAFTER	CHECKED BY:

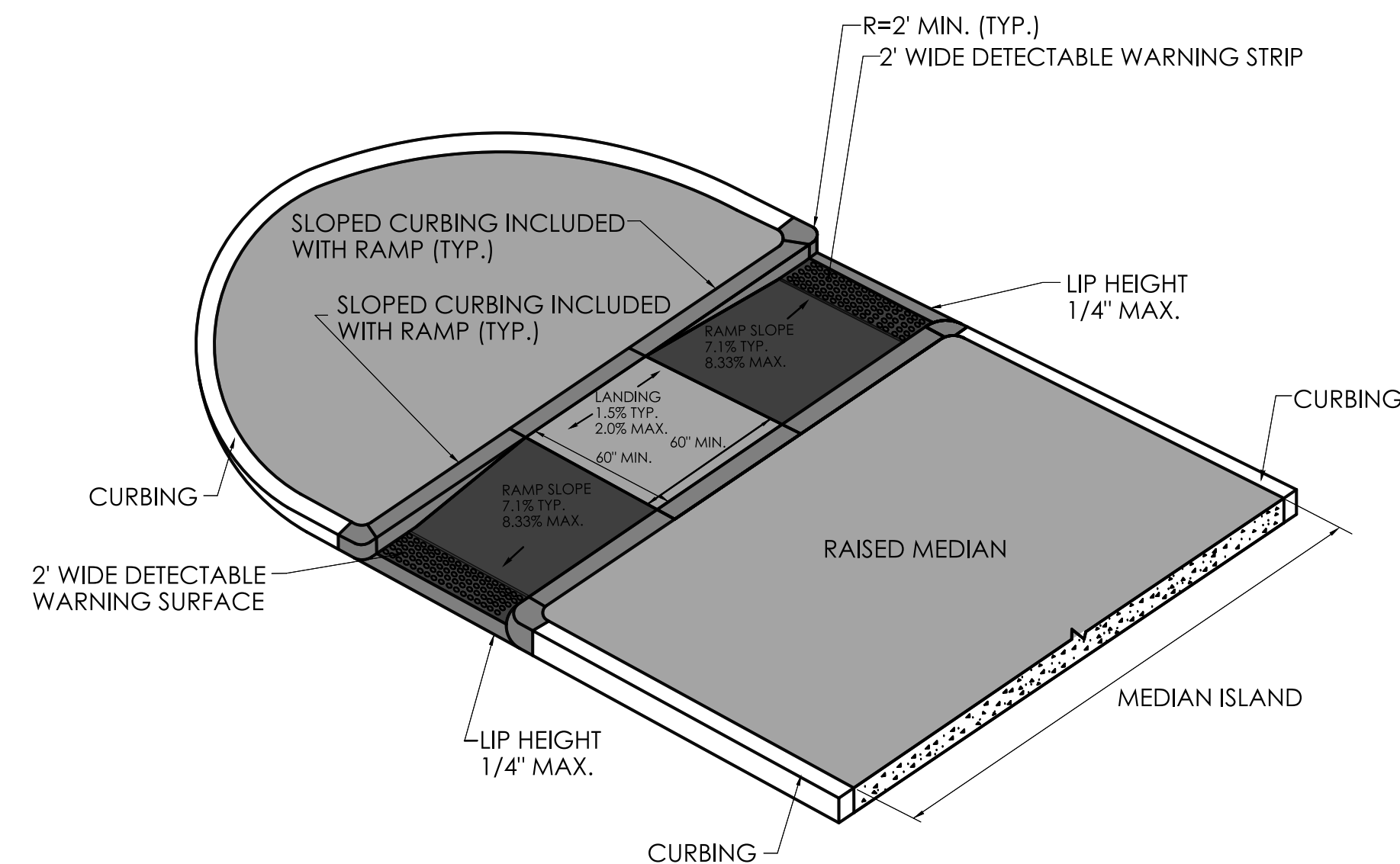
DESIGNER/DRAFTER: CHECKED BY:		SIGNATURE/ BLOCK:	APPROVED BY:	PROJECT NUMBER: 0000-0000 PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION TOWN(S): SAMPLE TOWN(S) DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 8 OF 11	DRAWING NO. SHEET NO.
LASTED SAVED BY: RichardEH FILE NAME: W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel PLOTTED DATE: 11/23/2022		OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111		STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	



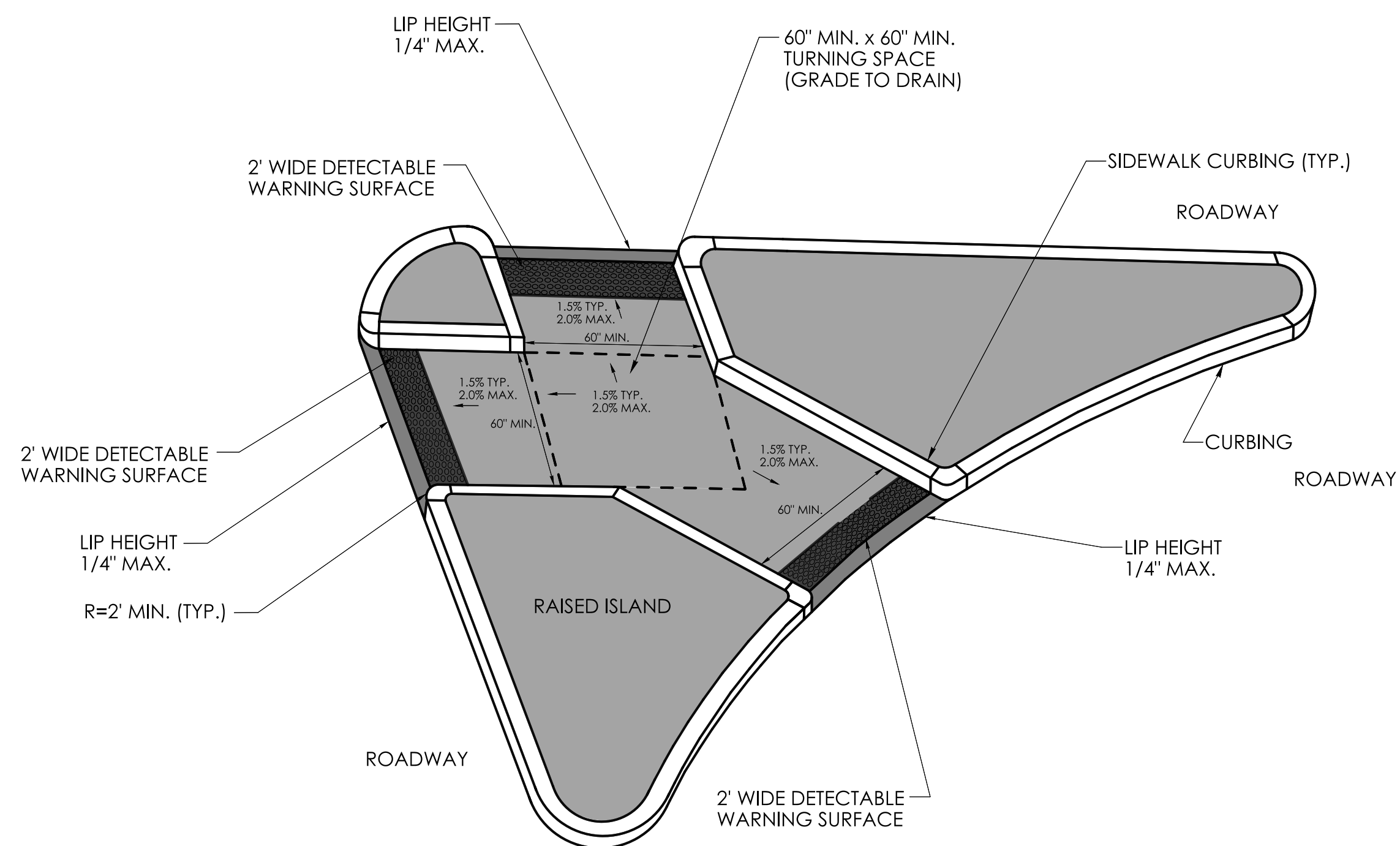
**CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH 6' OR MORE
(TYPE 22)**



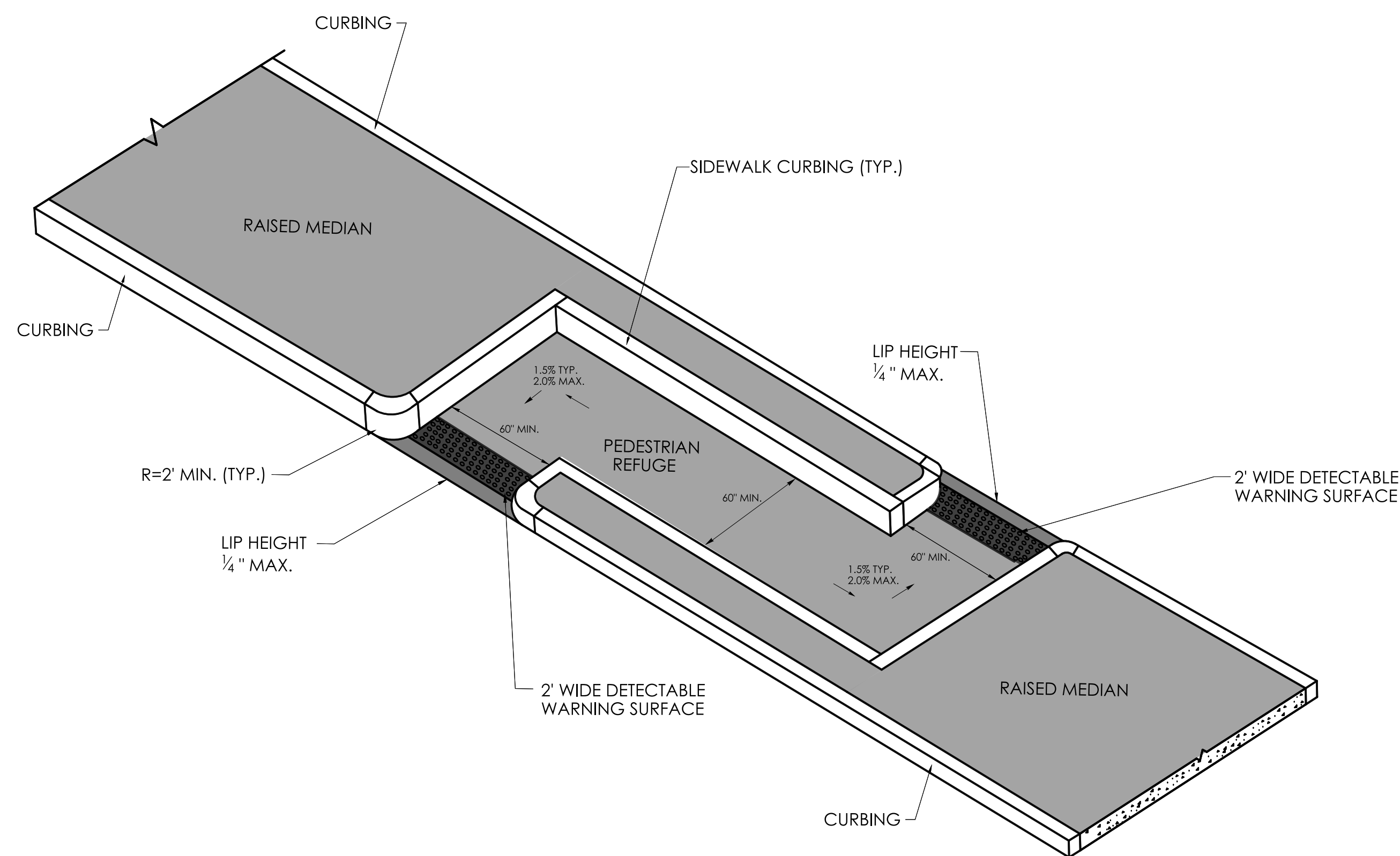
**CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH LESS THAN 6'
(TYPE 23)**



**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)**

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: _____
CHECKED BY: _____

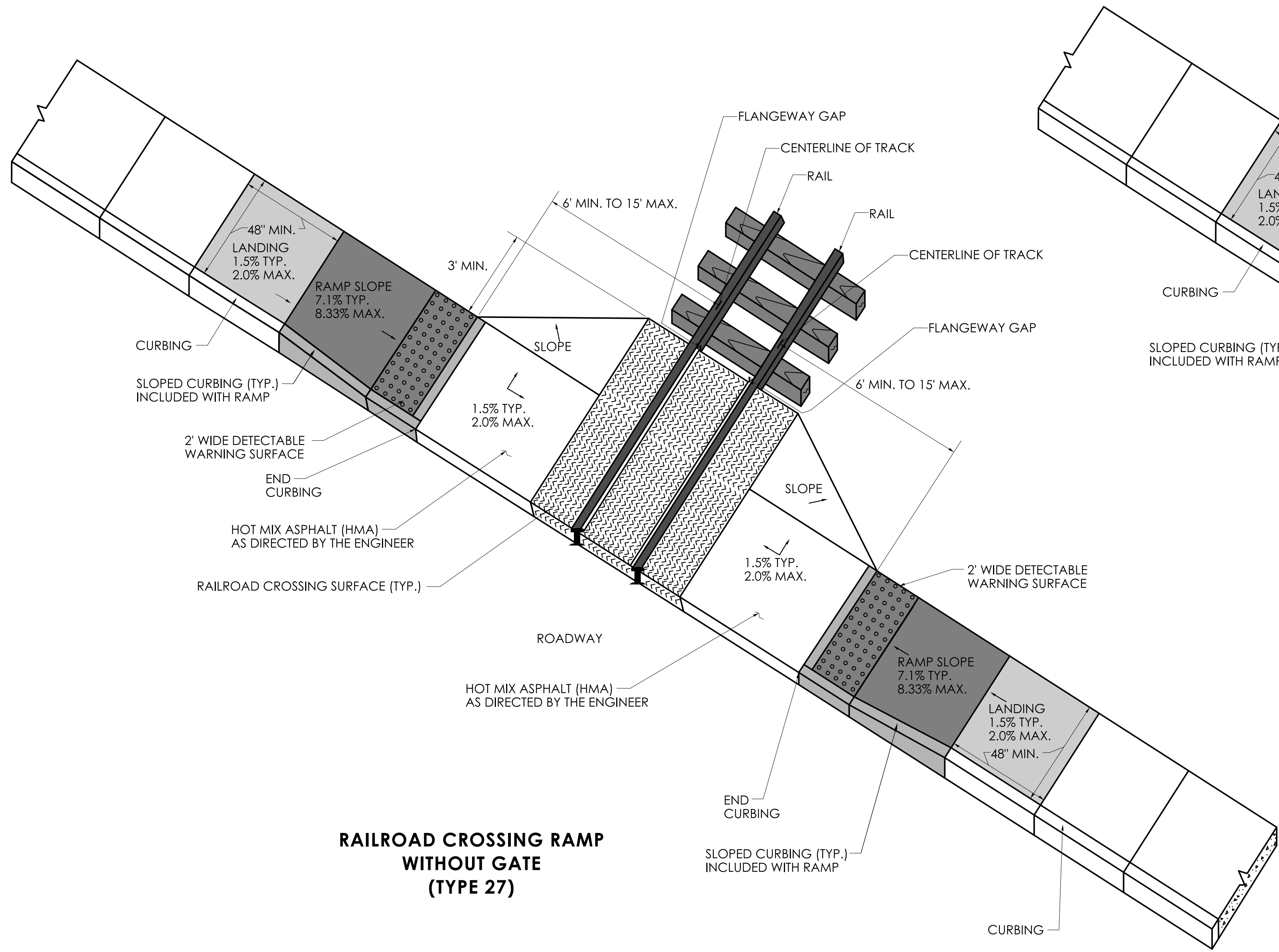
SIGNATURE/
BLOCK: _____
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY: _____

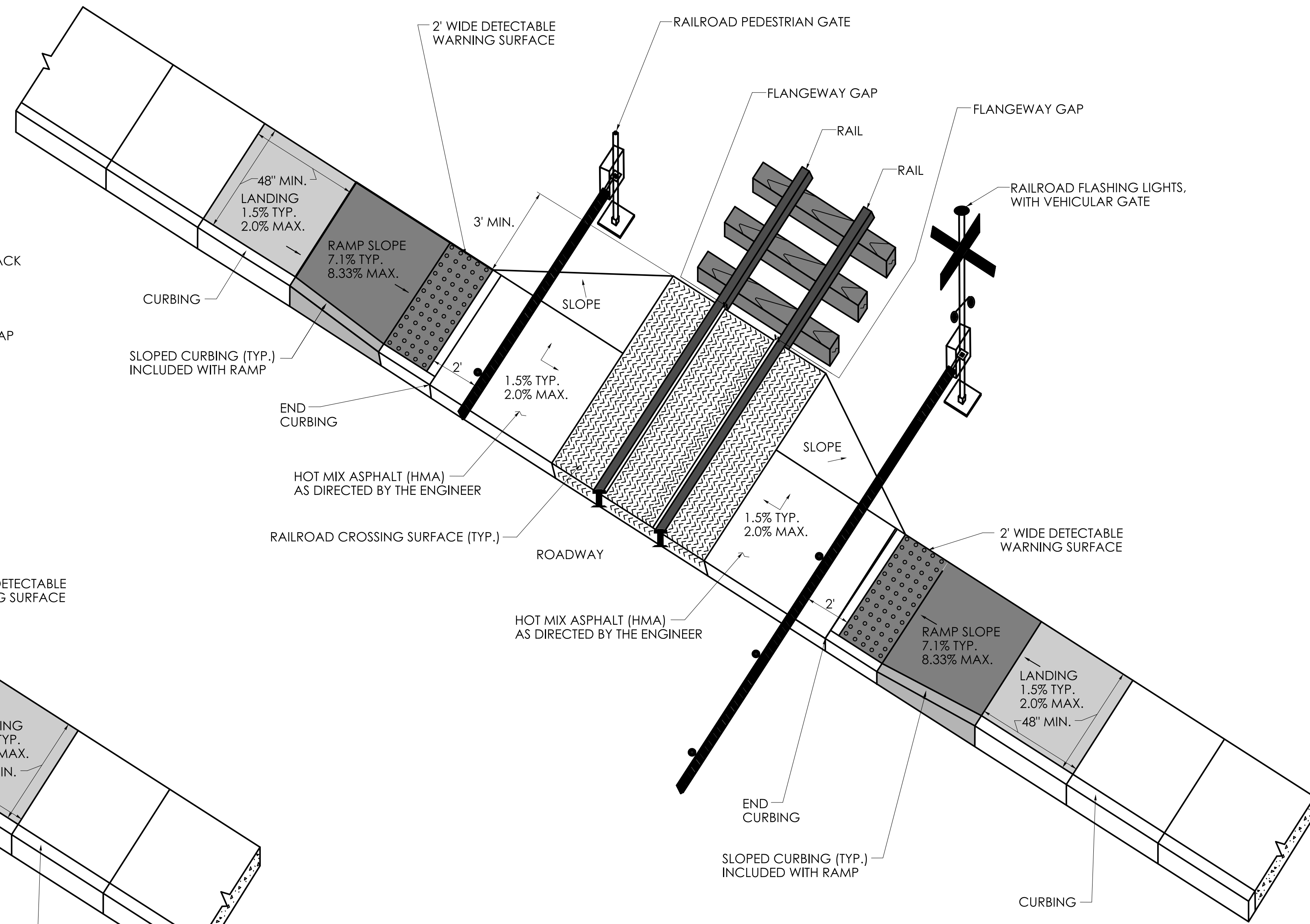


PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 9 OF 11

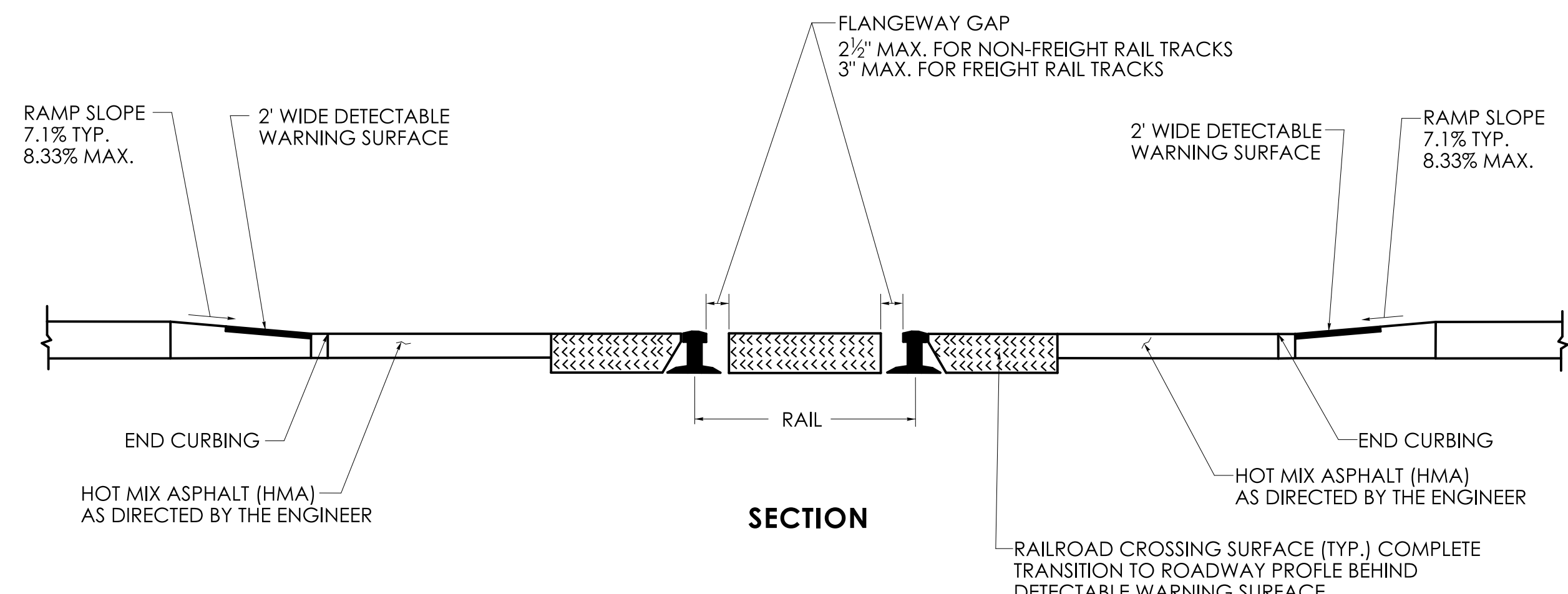
DRAWING NO. _____
SHEET NO. _____



**RAILROAD CROSSING RAMP
WITHOUT GATE
(TYPE 27)**

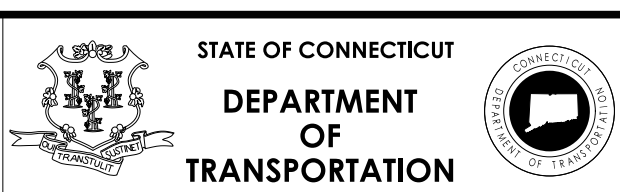


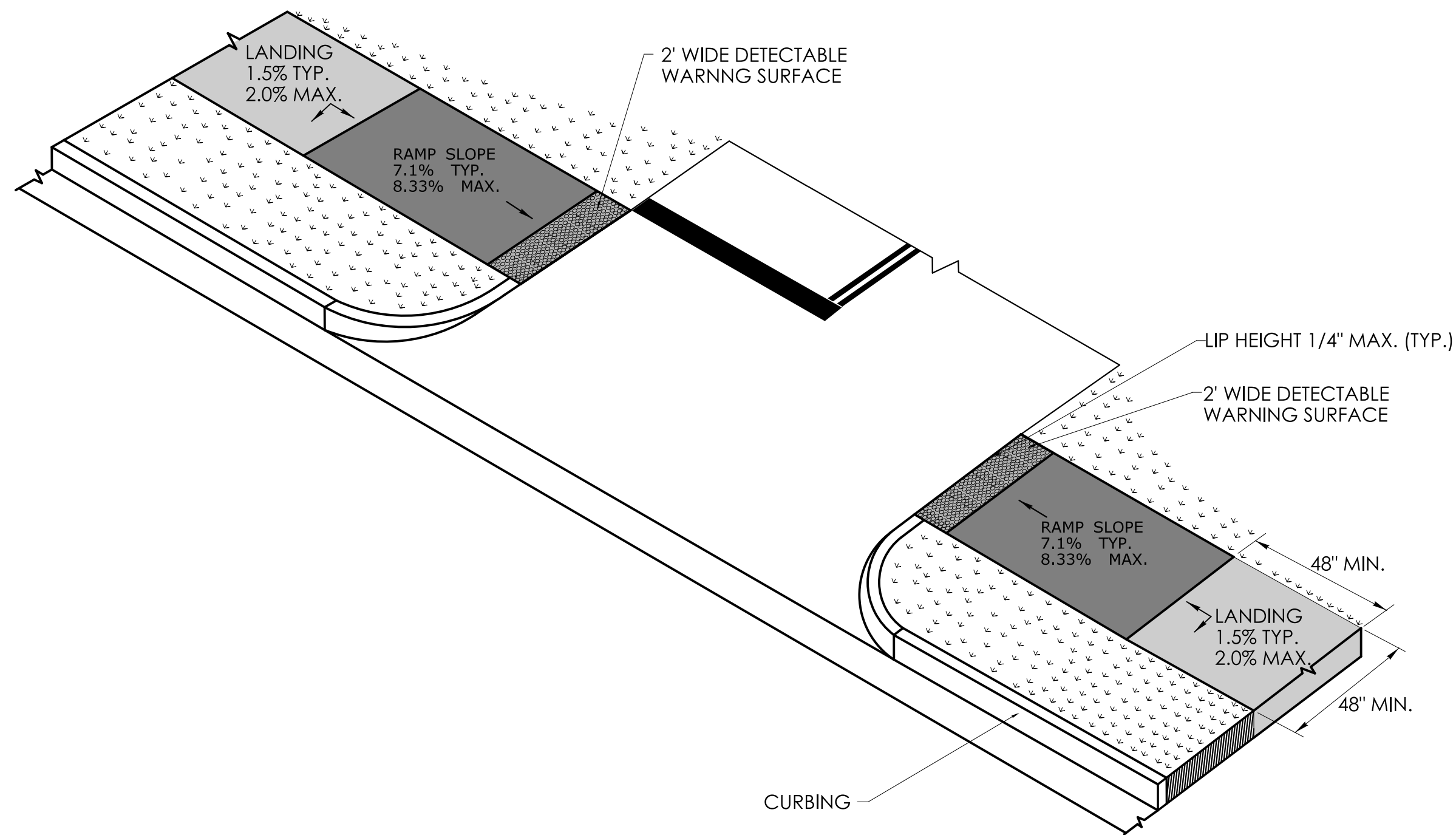
**RAILROAD CROSSING RAMP
WITH GATE
(TYPE 28)**



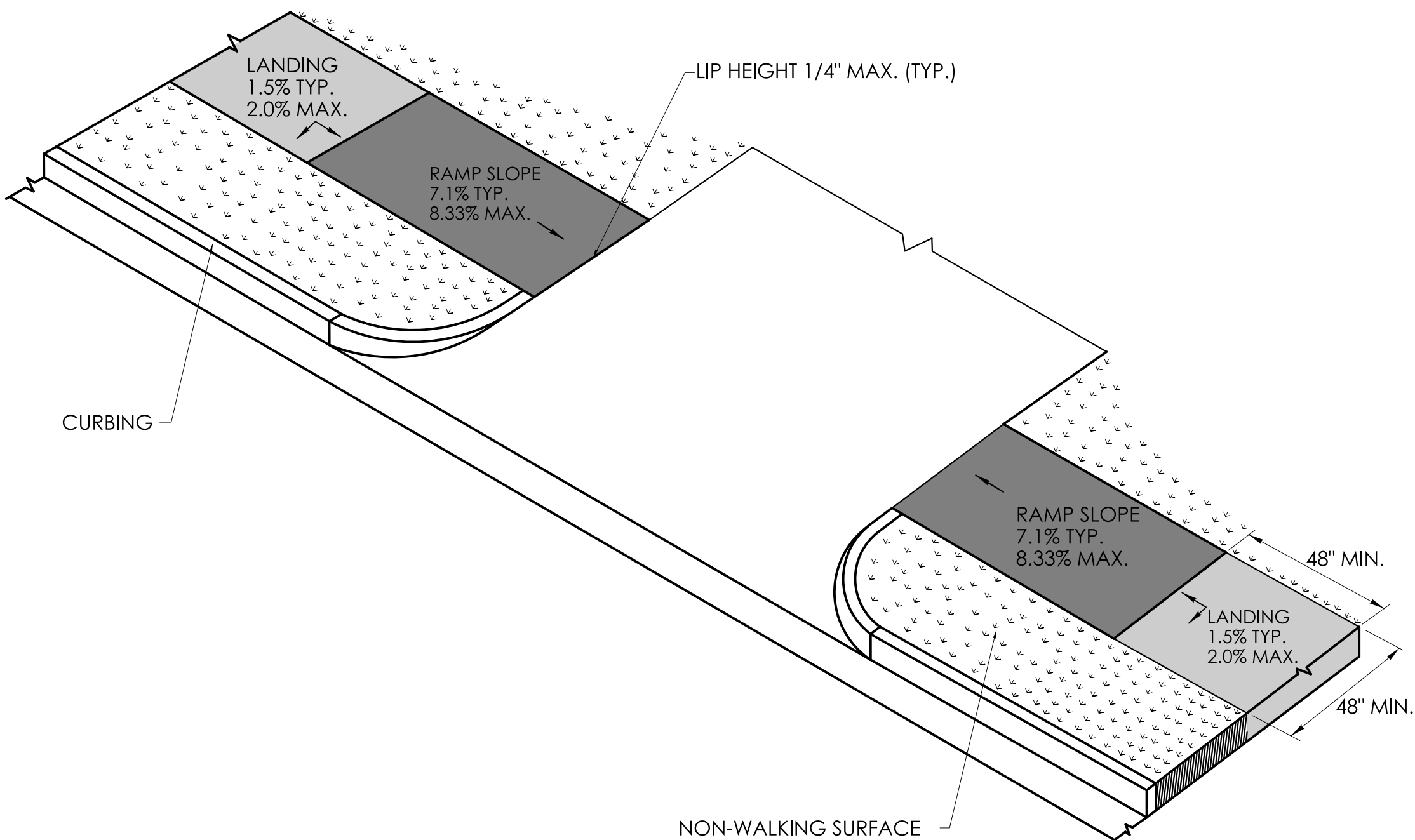
SECTION

REVISION DESCRIPTION		
REV.	DATE	

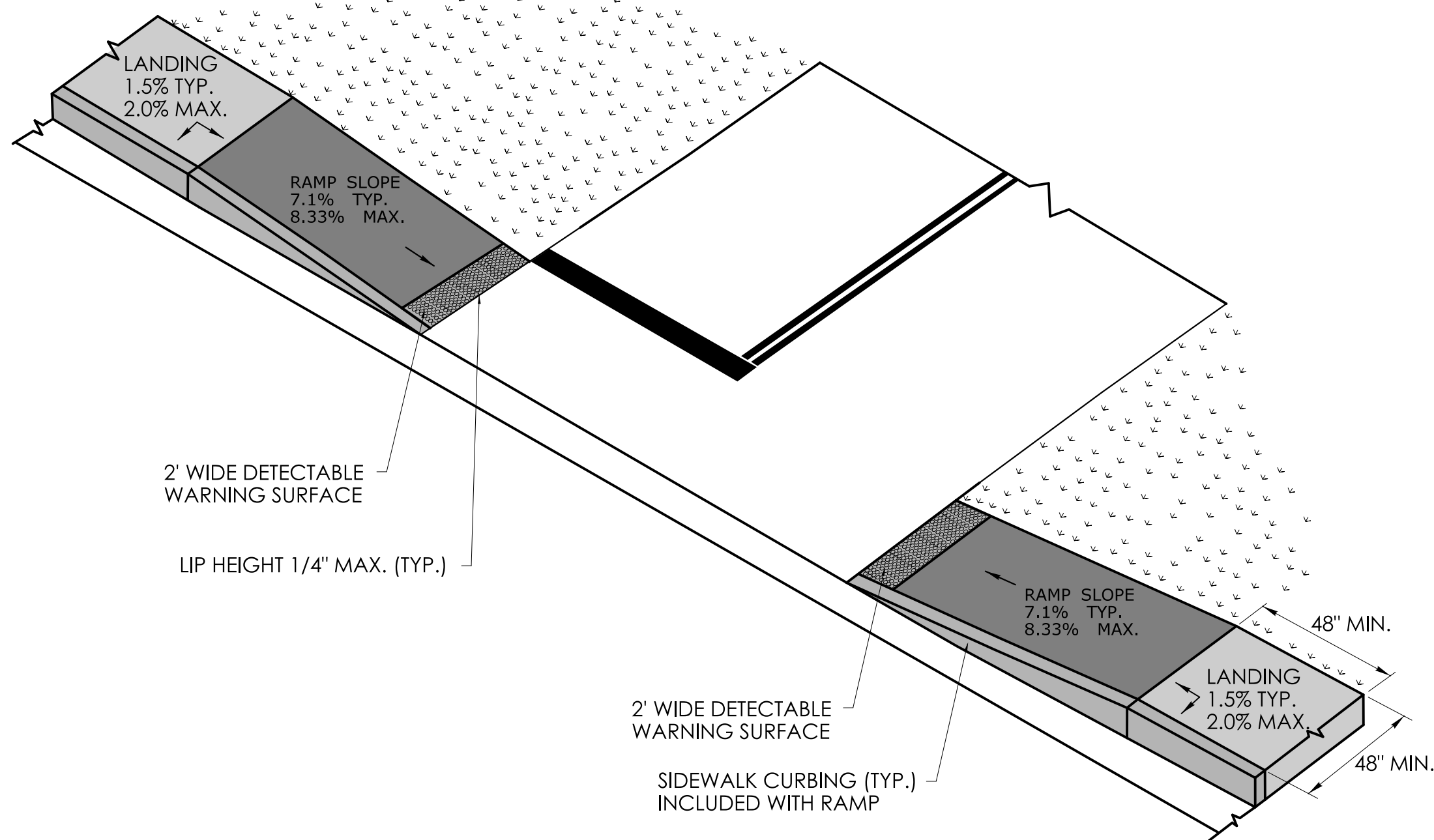




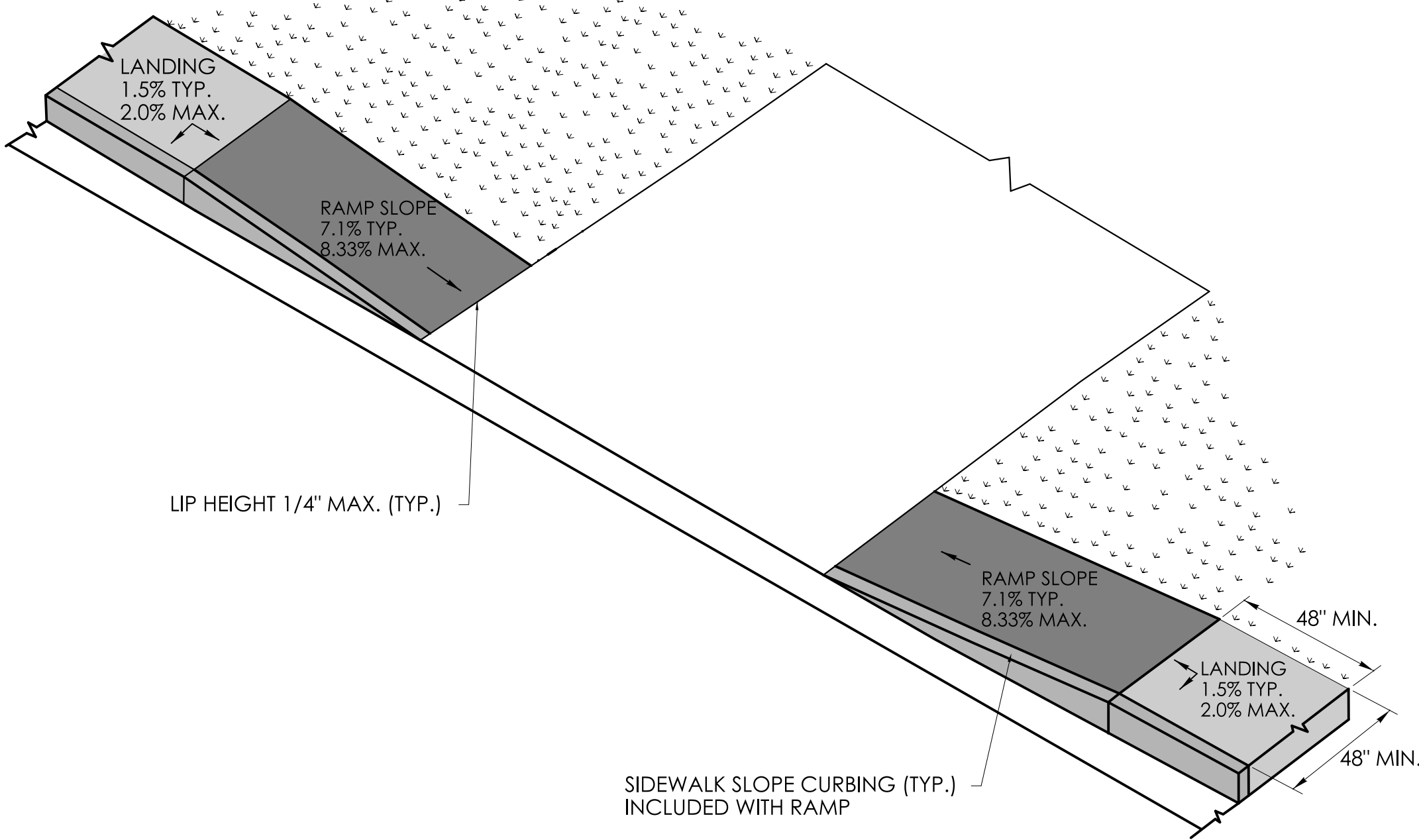
**SINGLE DIRECTION
FOR SIGNALIZED OR STOP CONTROLLED MAJOR COMMERCIAL DRIVEWAY
WITH DETECTABLE WARNING SURFACE
(TYPE 29)**



**SINGLE DIRECTION
FOR RESIDENTIAL OR MINOR COMMERCIAL DRIVEWAY
WITHOUT A DETECTABLE WARNING SURFACE
(TYPE 30)**



**SINGLE DIRECTION
FOR SIGNALIZED OR STOP CONTROLLED MAJOR COMMERCIAL DRIVEWAY
WITH DETECTABLE WARNING SURFACE
(TYPE 31)**



**SINGLE DIRECTION
FOR RESIDENTIAL OR MINOR COMMERCIAL DRIVEWAY
WITHOUT DETECTABLE WARNING SURFACE
(TYPE 32)**

REV.	DATE	REVISION DESCRIPTION

Appendix B - Sample Agreement

SAMPLE AGREEMENT
CY2025 On-Call Sidewalk Repairs
Windsor, CT

Scope of Work:

Work consists of furnishing all labor, equipment and materials necessary to repair and replace existing sidewalks throughout the Town of Windsor, CT. The Work is to be performed per the attached Special Provisions and the Town of Windsor Highway Engineering Standards and Specifications.

Each phase of work will be initiated by the attached Work Order issued by the Town Engineer or their designee. The Work Order shall serve as the Notice to Proceed for the work outlined.

Contract Price:

Work for this contract shall be paid at the unit prices on the attached proposal form, dated {date}.

Time for Completion:

The initial contract period shall be from the date of award through December 31, 2025. The Town will be proposing the work to be completed in multiple phases throughout the contract period. The Town will coordinate the schedule of work with the assistance of the selected Contractor. Continuous progress, as determined by the Engineer, shall be made by the Contractor on sidewalk repair and replacement work throughout the contract period.

Each designated area of sidewalk repair and replacement work shall be completed and disturbed areas shall be restored within seven (7) calendar days from the start of work in that area. No excavated areas shall be left open for a period of more than 48-hours.

If mutually agreeable by the Town and Contractor, the parties may extend the Agreement annually for up to three (3) additional years, through December 31, 2028, or until all work that has been ordered by the Town has been completed by the Contractor. The unit prices charged to the Town for the additional years shall be by mutual agreement between the Town and the Contractor.

Payments:

All Work is to be done in a workmanlike manner. The Contractor shall be paid in full within 14 calendar days of final completion of the Work ordered and submittal by the Contractor of an invoice approved by the Town of Windsor.

Bonds:

The contractor shall be required to obtain a license from the Town of Windsor Engineering Department prior to making any excavation in or digging below the surface within the public right-of-way. The application for a license shall be made by the owner of said business to the Town on a form furnished by the Town. All licenses shall expire on December 31st of each year.

No license shall be issued or renewed unless the licensee has filed a cash bond or satisfactory surety bond with the Town in the minimum sum of TEN THOUSAND DOLLARS (\$10,000) that is issued by a surety company authorized to do business in the State of Connecticut, indemnifying the Town of Windsor against any loss or expense in repairing, remedying or correcting the work performed by the licensee if the same is defective or not in accordance with the ordinance of the Town of Windsor.

Laws and Regulations:

The contractor shall comply with all applicable federal, state and local regulations in the performance of the Work.

Compliance with the Town of Windsor Code of Ethics:

No former town employee in administrative pay grade 3 or above and no former board of education employee in a cabinet level position or above shall work for a private firm who has a contract with the town any time within six months after terminating service with the town. If this occurs, the vendor could be subject to penalties up to and including contract termination.

Insurance:

Prior to starting the Work, the Contractor shall furnish Certificates of Insurance, including Automobile, Commercial General Liability, Umbrella Liability, and Worker's Compensation insurance in the following amounts:

1. Commercial General Liability Insurance:

The Contractor shall provide Commercial General Liability insurance with a combined single limit of \$1,000,000 per occurrence, \$1,000,000 aggregate for bodily injury and property damage.

The CGL shall be written on ISO occurrence form CG 00 01 10 93 (or a substitute form providing equivalent coverage) and shall cover liability arising from premises, operations, independent contractors, products-completed operations, personal injury and advertising injury, and liability assumed under an insured contract (including the tort liability of another assumed in a business contract).

2. Commercial Automobile Liability Insurance

The Contractor shall provide Commercial Automobile Liability insurance with a combined single limit of \$1,000,000 per occurrence, \$1,000,000 aggregate, and shall include coverage for all owned, hired, and non-owned vehicles.

3. Worker's Compensation Insurance

The Contractor shall provide Worker's Compensation Insurance in the required amount as applies to the State of Connecticut and Employers Liability Insurance as follows:

Bodily Injury by Accident - \$100,000 each accident

Bodily Injury by Disease - \$500,000 policy limit

Bodily Injury by Disease - \$100,000 each employee

4. Umbrella Liability Insurance

The Contractor shall provide Commercial Umbrella Liability insurance with a combined single limit of \$1,000,000 per occurrence, \$1,000,000 aggregate for bodily injury and property damage.

Each Policy of Insurance shall include a waiver of subrogation in favor of the TOWN OF WINDSOR and shall provide no less than thirty (30) days notice to the TOWN OF WINDSOR in the event of a cancellation or change in conditions or amounts of coverage. The Commercial General Liability, Automobile, and Umbrella Liability shall name the TOWN OF WINDSOR as an additional insured.

Certificates of Insurance, acceptable to the TOWN OF WINDSOR shall be delivered to the TOWN OF WINDSOR prior to the commencement of the Work and kept in force throughout the term hereof.

The above insurance requirements shall also apply to all Subcontractors and the Contractor shall not allow any Subcontractor to commence work until the Subcontractor's insurance has been so obtained and approved.

Indemnification:

The Contractor shall indemnify and hold harmless the TOWN OF WINDSOR and its agents and employees from and against all claims, damages, losses and expenses, including attorney's fees arising out of, or resulting from the negligent performance of the work.

IN WITNESS WHEREOF, the parties hereto executed this Agreement, this _____ day of {month} {year}.

Signed, Sealed and Delivered in
the presence of:

TOWN OF WINDSOR

By _____

Peter Souza

Its Town Manager

Duly Authorized

[CONTRACTOR]

By _____

[NAME]

Its [TITLE]

Duly Authorized

Appendix C - Sample Work Order



SAMPLE - WORK ORDER

PROJECT: E2025-05
On-Call Sidewalk Repairs
Windsor, CT

WORK ORDER NO.: [ORDER NO.]

DATE ISSUED: [DATE]

TO: [CONTRACTOR]

FROM: Engineering Department
Town of Windsor
275 Broad Street
Windsor, CT 06095

This work order authorizes performance of the following work under the Contract for the above referenced project:

LOCATION	ITEM	LENGTH (FT)	WIDTH (FT)	QUANTITY	UNIT
----------	------	-------------	------------	----------	------

NOTES:

ISSUED BY:

NAME:
TITLE:
DATE:

Appendix D - Proposal Form

Proposal Sheet

CY2025 On-Call Sidewalk Repairs Windsor, CT E2025-05

Having carefully examined the Specifications, including the Information for Bidders, General Conditions, Special Conditions, Technical Provisions and Drawings for the various categories of work, the undersigned hereby proposes to complete the below listed work for the lump sum and unit prices for the work in place for the following items and quantities listed under each category of work. In case of discrepancy, the amount shown in words will govern.

The Town of Windsor reserves the right to eliminate from the contract any of the Bid Items of work shown on the bid form in the event it deems it to be in the best interest of the Town. Items with quantities bid as non lump sum will be paid at the unit bid price submitted, whether or not the quantity used differs from the estimated quantity by any amount, significant or otherwise.

Item	Est. Qty	Unit	Description and Written Unit Price	Unit Price	Amount
225.01A	100	SY	BITUMINOUS CONCRETE SIDEWALK _____ dollars and _____ cents per square yard		
225.02A	50	SY	BITUMINOUS CONCRETE DRIVEWAY _____ dollars and _____ cents per square yard		
225.03A	25	SY	BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL) _____ dollars and _____ cents per square yard		
240.01A	200	LF	BITUMINOUS CONCRETE LIP CURBING _____ dollars and _____ cents per linear foot		
265.01A	1,500	SF	5" CONCRETE SIDEWALK _____ dollars and _____ cents per square foot		
265.02A	500	SF	8" REINFORCED CONCRETE SIDEWALK _____ dollars and _____ cents per square foot		
265.03A	1,500	SF	8" REINFORCED CONCRETE SIDEWALK RAMP _____ dollars and _____ cents per square foot		
265.04A	350	SF	DETECTABLE WARNING STRIP _____ dollars and _____ cents per square foot		
270.03A	250	SF	RESET BRICK PAVERS _____ dollars and _____ cents per square foot		
415.02	500	SY	LOAMING AND SEEDING _____ dollars and _____ cents per square yard		
TOTAL PROPOSAL:				\$	-

Proposal Sheet

CY2025 On-Call Sidewalk Repairs
Windsor, CT
E2025-05

Acknowledgement of Addenda: The undersigned acknowledges receipt of the following addenda:

Number	Date
_____	_____
_____	_____
_____	_____
_____	_____

The Contractor hereby acknowledges the above information is accurate and inclusive of all personnel, equipment, materials, insurance, bonds, and permits necessary to complete the work listed in the Bid Documents.

Company Name

Phone Number

Company Street Address

Email

Signature of Authorized Representative

Date

Printed Name of Authorized Representative

Title