

Thomas M. McElrath, Architect
717 Merit Springs Road
Gadsden, AL 35901
PHONE: 256-490-8244
EMAIL: tom@tmm-architect.com

ADDENDUM NO. 2

April 24, 2024

PROJECT: **A NEW CITY HALL and MUNICIPAL OFFICE FACILITY
located at 350 W. Main Street
Centre, Alabama**

ARCHITECT'S PROJECT NO. 2022-06

TO: ALL BIDDERS AND PLAN HOLDERS OF RECORD

This Addendum forms a part of the Contract Documents and modifies the original Project Manual and Drawings, dated February 28, 2024. Bidders shall acknowledge receipt of this Addendum on the Proposal Form. This Addendum contains Thirty-five (35) - 8-1/2" x 11", pages and Five (5) 24" x 36" drawings.

A. MODIFICATIONS TO PART I - CONTRACTURAL & LEGAL REQUIREMENTS:

1. Advertisement for Bids: A Mandatory Attendance Pre-Bid Meeting was held on 4-22-24 at the project site. Only those General Contractor firms who were in attendance will be permitted to bid this project. See attached Pre-Bid Minutes and Roster of Attendance for those parties in attendance. The following firms did not have anyone in attendance at this meeting: **Forsyth Building Company, Inc., Lambert Contracting and Sam Construction, Inc.** See attached Minutes of Pre-Bid Meeting.
2. Special Instructions to Bidders: At paragraph 1.04, CONSIDERATION OF BIDS, the following is the minimum list of sub-contractors that shall be submitted within twenty-four (24) hours of receipt of bids: **Demolition/Site Work, Concrete, Paving, Steel Erection, Steel Stud Framing, Metal Trusses, Plumbing, Mechanical, Electrical, Masonry, E.I.F.S., Roofing/Pre-fin. Metal, Drywall, Flooring (Hard Tile and Resilient), Casework.**

B. MODIFICATIONS TO PART II - TECHNICAL SPECIFICATIONS:

1. SECTION 02115 Erosion and Sedimentation Controls:
 - a. Attached and made part of this Addendum in its entirety is Section 02115 Erosion and Sedimentation Controls.
 - b. The following ALDOT Permits are made a part of this Addendum. Contractor shall comply with all requirements.
 1. Permit 1-5-10847 to Centre Water Works and Sewer Board for installation of new water lines.
 2. ALDOT Form MB-05 for Grading and Sidewalk on Highway 411 R.O.W. This form will not be approved by ALDOT until the ADEM Stormwater Permit to be obtained by the Contractor is in effect.

C. MODIFICATIONS TO DRAWINGS:

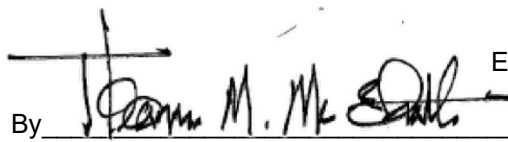
1. SHEET C4 of 12:
 - a. Attached and made a part of this addendum is the revised Sheet C4 of 12. This replacement sheet supersedes the previously issued Sheet C4 of 12
2. SHEET C11 of 12:

- a. On Detail C, the Concrete Curb and Gutter shall be minimum 3,000 psi concrete.
- 3. SHEET A2.1 of 20:
 - a. The following walls are to have sound insulation extended to the underside of the roof trusses: West wall of Rooms 107 and 108 and south wall of 107, North, South and West walls of 113 and North wall of 117. Sound insulation at all other interior partition locations can terminate at 4" above highest adjacent ceiling. See Cross Section Sheets A6.0 AND A6.1 for additional information.
- 4. SHEET A3.0 of 20:
 - a. At Schedule of Window Types, the section cut at Type "F" should read 6/A3.1 in lieu of 7/A3.1.
 - b. At Schedule of Doors and Frames, the Head, Jamb and Sill section indications should read 7/A3.1 in lieu of 7/A3.2.

D. CLARIFICATIONS TO DRAWINGS:

- 1. SHEET S2.1:
 - a. At Mechanical Mezzanine Floor Framing Plan, all studs below this mezzanine are to be 4" studs with 1 5/8" flange, type 400-S162-54 mil (16 ga.) @ 16" o.c. See Sheet S1.0, Steel Deck Notes for attachment of composite deck to studs.
- 2. SPECIFICATION SECTION 02060:
 - a. Reference paragraph 3.03.I and 3.03.J, Landfill tickets are required for all materials removed from the site, except that certain non-hazardous materials may be removed from the site and salvaged.
 - b. All asbestos noted in the report made available in the Contract Documents is still in place and must be removed and disposed of by the Contractor. No prior asbestos abatement has been performed on the site.
- 3. SHEET A5.0:
 - a. At ROOF ASSEMBLY "TYPE ONE", Synthetic underlayment will be required over the entire field of roofing. Ice and Water Shield will be required at the perimeter of all roof surfaces (rake and eaves) and at any valley locations.

DI. **PRIOR APPROVALS:** NONE (Prior Approval window has expired)

By 

END OF ADDENDUM NO. 2

Thomas M. McElrath, Architect



Alabama Department of Transportation

North Region- Guntersville Area- Gadsden District

Office of District Administrator

4509 Airport Road

Gadsden, AL 35904

Telephone 256-442-4436 Fax: 256-413-3604



Kay Ivey
Governor

John R. Cooper
Transportation Director

April 4, 2024

Centre Water Works & Sewer Board
130 South River Street
Centre, AL 35960
Attn: David Garrett

Re: Permit 1-5-10847
Cherokee County

Dear Sir:

Attached is an approved permit for Centre Water Works & Sewer Board. Work will consist of installing new water lines on Alabama Highway 25 at milepost 241.29 R

Please contact this office 48 hours prior to beginning work at 256-442-4436.

Respectfully,

A handwritten signature in blue ink, appearing to read "J. Cody Adams".

J. Cody Adams
District Administrator

/dws
Attachments
cc: File

ALABAMA DEPARTMENT OF TRANSPORTATION
PERMIT AGREEMENT FOR THE ACCOMMODATION OF UTILITY
FACILITIES ON PUBLIC RIGHT-OF-WAY

County Cherokee
Route Number AL 25 (U.S. Highway No. 411)
Milepost 241.29 R

FOR OFFICIAL USE ONLY
DATE RECEIVED FROM APPLICANT: 4/3/24
PERMIT NUMBER: 1-5-10847

Bonding Agency WESTERN SURETY Bond Number 69290666

Associated Permits and/or Documents Key Map, Permit Forms, Planview, Bond information

THIS AGREEMENT is entered into this the 18th day of March, 2024, by and between the Alabama Department of Transportation acting by and through its Transportation Director hereinafter referred to as ALDOT and Centre Water Works & Sewer Board, a Utility hereinafter referred to as the APPLICANT.

WITNESSETH

WHEREAS, the APPLICANT desires to have its facilities accommodated on public highway right-of-way in Cherokee County, Alabama consisting approximately of the following:

The installation of 1.28 LF of 2" copper tubing with corporation stop and saddle along with
1.28 LF of 6" CL 350 D.I. with tapping sleeve and 6" valve.

_____ ; and

WHEREAS, ALDOT hereby grants to the APPLICANT approval to cross or locate its facilities on the public right-of-way at the location and in the manner hereinafter set forth:

NOW, THEREFORE, it is agreed by and between the parties hereto as follows:

1. The APPLICANT will install its facilities on public right-of-way in accordance with plans and specifications of the APPLICANT as approved by ALDOT which plans and specifications are hereby made a part of this permit by reference.
2. In the installation of facilities and performing work under this agreement, the APPLICANT will conform to the provisions of the latest edition of the Alabama Department of Transportation Utility Manual, which manual is of record in ALDOT and is hereby made a part of this permit by reference.
3. The national Manual on Uniform Traffic Control Devices, ALDOT approved edition, is hereby made a part of this permit by reference and will be conformed to as the provisions thereof are applicable to such work. Such Manual is of record in ALDOT at the execution of this Agreement.
4. The Federal Water Pollution Control Act, The Federal Insecticide, Fungicide, and Rodenticide Act, The Alabama Water Pollution Control Act, The Alabama Environmental Management Act, The Clean Water Act (1987), and the Alabama Nonpoint Source Management Program (1989) are hereby made a part of this permit by reference.

5. The APPLICANT will conform to the regulations of the Environmental Protection Agency (EPA) and of the Alabama Department of Environmental Management (ADEM), latest edition, for both installation and maintenance of such facilities.

The APPLICANT will provide proof of applicable permit coverage and conform to the above referenced regulations for both the facility installation and maintenance of permitted facilities and areas of rights-of-way. The APPLICANT must provide a copy of the Notice of Intent (NOI) issued by ADEM. This will assure compliance with Phase II of storm-water construction requirements. In the event a NOI is not required, APPLICANT must submit to ALDOT a Best Management Practices (BMP) plan to control sediment run-off.

6. In the event that ALDOT is issued a citation or any other enforcement document by ADEM/EPA for failure to comply with applicable requirements, it shall be the responsibility of the APPLICANT to bring all BMPs into compliance and to pay for any fines, assessments, etc. that may be issued to ALDOT by ADEM/EPA.

7. Underground Damage Prevention Legislation, Alabama Act 94-487, is hereby made a part of this permit by reference. The APPLICANT will conform to the above referenced regulations for both the facility installation and maintenance of permitted facilities and areas of rights-of-way. Should the permitted work require a locate request ticket, no work shall begin until a copy of such ticket is obtained and the APPLICANT shall keep a copy of such ticket at the site of work.

8. If hazardous materials, wastes, substances, or as otherwise defined by Code of Alabama § 6-5-332.1(a)(2) (1993 Repl. Vol.) are encountered in the execution of this Agreement it will be the responsibility of the APPLICANT to notify the proper agency responsible for said hazardous materials and to comply with any and all environmental regulations as established by the Environmental Protection Agency (EPA), Alabama Department of Environmental Management (ADEM), and of the Occupational Safety and Health Administration (OSHA) in the proper disposition of the hazardous materials encountered.

9. This permit is valid for the contract period which is defined as follows: All proposed work as described and submitted in the permit documents must be completed within one year from the approved date of the permit and for a period covering one year from ALDOT acceptance of proposed work.

10. The APPLICANT will perform or cause to be performed the work applied for in this permit contract and will restore the highway in the work area in as good condition as the same was prior to the work and will maintain the accomplished work and highway work area in a condition satisfactory to ALDOT. Should the APPLICANT not maintain the work or create an unsafe condition during the contract period, ALDOT reserves the right to remove any work and restore the ROW to a safe condition at the expense of the APPLICANT and the APPLICANT agrees to pay ALDOT all such costs as a result.

11. Once work is begun, the APPLICANT shall pursue the work continuously and diligently until completion. Should the APPLICANT feel that the work cannot be completed in a one year period, they shall submit in writing (30 days prior to the termination date) to ALDOT the reasons for an extension of time. ALDOT will determine whether an extension may be approved.

12. For Small Wireless Facility applications, the APPLICANT hereby enters into the following permit tolling agreement with ALDOT upon its execution of this Agreement:

Any written request from ALDOT for revision, addition, or clarification related to a complete application shall toll the processing deadline of said permit until the APPLICANT provides written response properly addressing ALDOT's request. Failure by the APPLICANT to address the request(s) within thirty (30) days will result in the denial of the application.

13. The APPLICANT will file with ALDOT an acceptable certified check or bond in the penal amount of \$ 25,000 (Bond Number: 69290666) to guarantee the faithful performance of this permit contract in its entirety during the contract period as defined in Item 9. Upon satisfactory completion and acceptance of all work provided for in this permit contract, the check or bond, as applicable, will be returned to the APPLICANT; otherwise, the proceeds from the check, or any amount received by ALDOT as a result of the bond, will be applied to complete and fulfill the permit contract terms. In the instance that ALDOT determines a bond on record is necessary, the APPLICANT shall provide such bond to ALDOT. The bond amount shall be determined by ALDOT.

14. Indemnification Provisions. Please check the appropriate type of applicant:

By entering into this agreement, the APPLICANT is not an agent of the State, its officers, employees, agents or assigns. The APPLICANT is an independent entity from the State and nothing in this agreement creates an agency relationship between the parties.



If the applicant is an incorporated municipality or gas district then:

Subject to the limitations on damages applicable to municipal corporations under Ala. Code § 11-47-190 (1975), the APPLICANT shall defend, indemnify, and hold harmless the State of Alabama, ALDOT, its officers, officials, agents, servants, and employees, in both their official and individual capacities, from and against (1) claims, damages, losses, and expenses, including but not limited to attorneys' fees arising out of, connected with, resulting from or related to the work performed by the APPLICANT, or its officers, employees, contracts, agents or assigns (2) the provision of any services or expenditure of funds required, authorized, or undertaken by the APPLICANT pursuant to the terms of this Agreement, or (3) any damage, loss, expense, bodily injury, or death, or injury or destruction of tangible property (other than the work itself), including loss of use therefrom, and including but not limited to attorneys' fees, caused by the negligent, careless or unskillful acts of the APPLICANT its agents, servants, representatives or employees, or the misuse, misappropriation, misapplication, or misexpenditure of any source of funding, compensation or reimbursement by the APPLICANT, its agents, servants, representatives or employees, or anyone for whose acts the APPLICANT may be liable.

If the applicant is county government then:

The APPLICANT shall be responsible at all times for all of the work performed under this agreement and, as provided in Ala. Code § 11-93-2 (1975), the APPLICANT shall protect, defend, indemnify and hold harmless the State of Alabama, The Alabama Department of Transportation, its officials, officers, servants, and employees, in both their official and individual capacities, and their agents and/or assigns.

For all claims not subject to Ala. Code § 11-93-2 (1975), the APPLICANT shall indemnify and hold harmless the State of Alabama, the Alabama Department of Transportation, the officials, officers, servants, and employees, in both their official and individual capacities, and their agents and/or assigns from and against any and all action, damages, claims, loss, liabilities, attorney's fees or expense whatsoever or any amount paid in compromise thereof arising out of, connected with, or related to the (1) work performed under this Agreement, (2) the provision of any services or expenditure of funds required, authorized, or undertaken by the APPLICANT pursuant to the terms of this agreement, or (3) misuse, misappropriation, misapplication, or misexpenditure of any source of funding, compensation or reimbursement by the APPLICANT, its agents, servants, representatives, employees or assigns.

_____ If the applicant is a state governmental agency or institution then:

The APPLICANT shall be responsible for damage to life and property due to activities of the APPLICANT of employees of APPLICANT in connection with the work or services under this Agreement. The APPLICANT agrees that its contractors, subcontractors, agents, servants, vendors or employees of APPLICANT shall possess the experience, knowledge and skill necessary to perform the particular duties required or necessary under this Agreement. The APPLICANT is a state institution and is limited by the Alabama Constitution in its ability to indemnify and hold harmless another entity. The APPLICANT maintains self-insurance coverage applicable to the negligent acts and omissions of its officers and employees, which occur within the scope of their employment by the APPLICANT. The APPLICANT has no insurance coverage applicable to third-party acts, omissions or claims, and can undertake no obligation that might create a debt on the State Treasury. The APPLICANT agrees ALDOT shall not be responsible for the willful, deliberate, wanton or negligent acts of the APPLICANT, or its officials, employees, agents, servants, vendors, contractors or subcontractors. The APPLICANT shall require, its contractors and its subcontractors, agents, servants or vendors, as a term of its contract with the APPLICANT, to include ALDOT as an additional insured in any insurance policy providing coverage for the work to be performed pursuant to and under this Agreement and to provide the APPLICANT a copy of the insurance policy declaration sheet confirming the addition of ALDOT thereto.

_____ If the applicant is not a county, incorporated municipality, or state governmental agency or institution then:

The APPLICANT will protect, defend, indemnify and hold harmless the State of Alabama, ALDOT, the officials, officers, and employees, in both their official and individual capacities, and their agents and/or assigns, from and against any and all actions, damages, claims, loss, liabilities, attorney's fees or expense whatsoever or any amount paid in compromise thereof arising out of or connected with the work performed under this Permit, and/or the APPLICANT's failure to comply with all applicable laws or regulations.

15. The APPLICANT will be obligated for the payment of damages occasioned to private property, public utilities or the general public, caused by the legal liability (in accordance with Alabama and/or Federal law) of the APPLICANT, its agents, servants, employees or facilities.

16. ALDOT in executing this Agreement does not in any way assume the responsibility for the maintenance of the facilities of the APPLICANT, nor the responsibility for any damage to the facilities caused by third parties.

17. The APPLICANT will have a copy of this Agreement on the project site at all times while said work is being performed.

18. Nothing contained in this Permit Agreement, nor the issuance or receipt thereof, shall be construed to alter or affect the title of ALDOT to the public right-of-way nor to increase, decrease or modify in any way the rights of the APPLICANT provided by law with respect to the construction, operation or maintenance of its facilities on the public right-of-way.

19. Reimbursement for future relocations of the APPLICANT'S facilities will be in accordance with State law in effect at the time such relocations are made.

20. The APPLICANT stipulates that the specific use of these facilities located upon public right-of-way is the transmission of potable water and fire protection water.
The APPLICANT further stipulates that should this specific use change at any time in the future that the APPLICANT will notify ALDOT immediately of the change.

This Agreement is deemed to be executed on the date hereinabove set forth by the parties hereto in their respective names by those persons and officials thereunto duly authorized. Witness our hands and seals, this the 18TH day of MARCH, 2024.

WITNESS:

Harlene Rieger

CENTRE WATER WORKS & SEWER BOARD
Legal Name of Applicant

By: [Signature]
Authorized Signature and Title for Applicant

DAVID GARRETT
Typed or Printed Name of Signee

130 SOUTH RIVER STREET
Address Line 1

CENTRE, ALABAMA 35960
Address Line 2

256-927-3281
Telephone Number

Contact Email Address

FOR OFFICIAL USE ONLY

RECOMMENDED FOR APPROVAL:

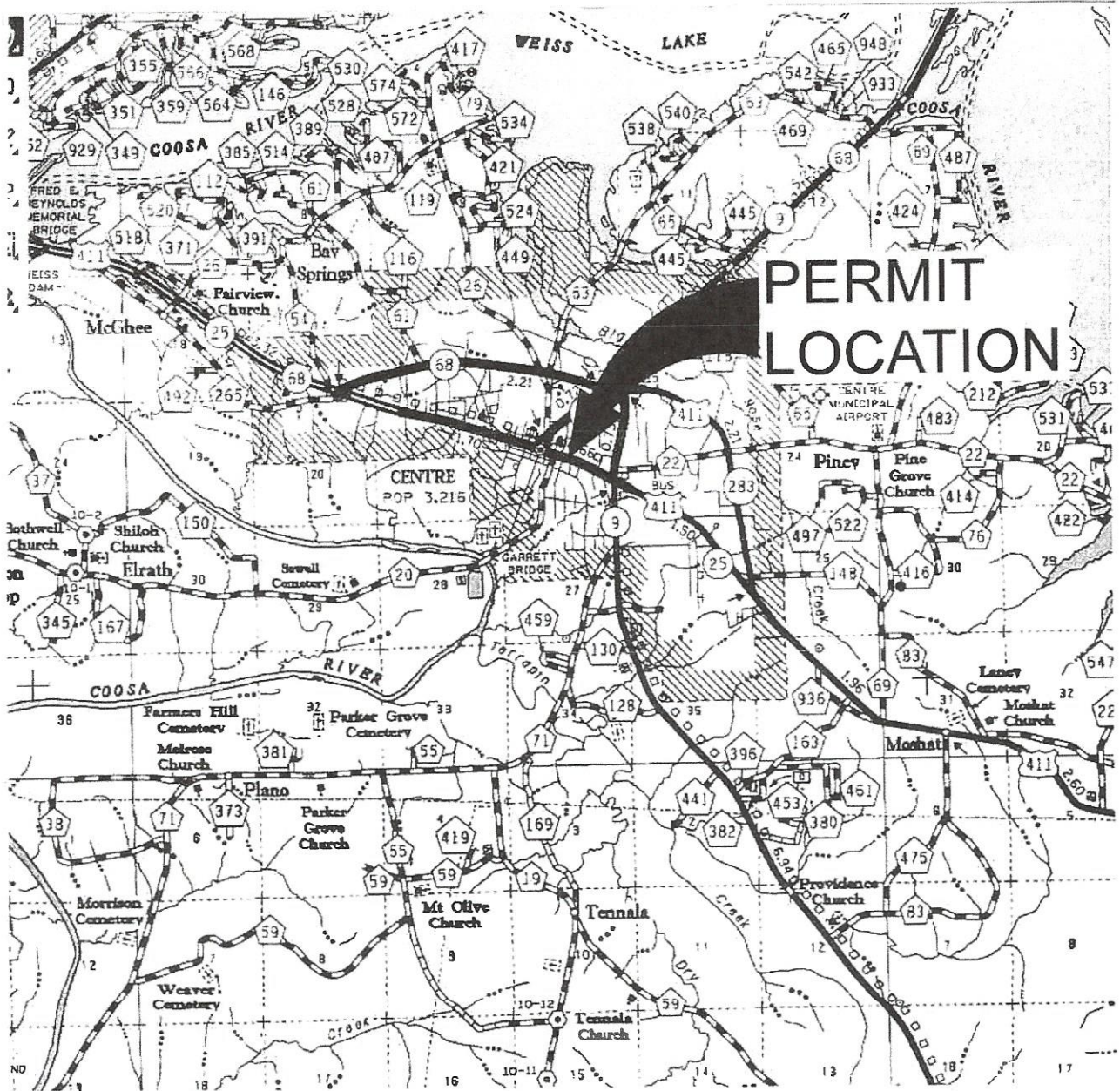
DISTRICT:	_____	_____	_____
	Printed Name	Signature	Date
AREA:	_____	_____	_____
	Printed Name	Signature	Date
REGION:	_____	_____	_____
	Printed Name	Signature	Date

APPROVED:
ALABAMA DEPARTMENT OF TRANSPORTATION
ACTING BY AND THROUGH ITS TRANSPORTATION
DIRECTOR

(PLEASE CHECK APPROPRIATE BOX)

- CENTRAL OFFICE
- REGION
- AREA
- DISTRICT

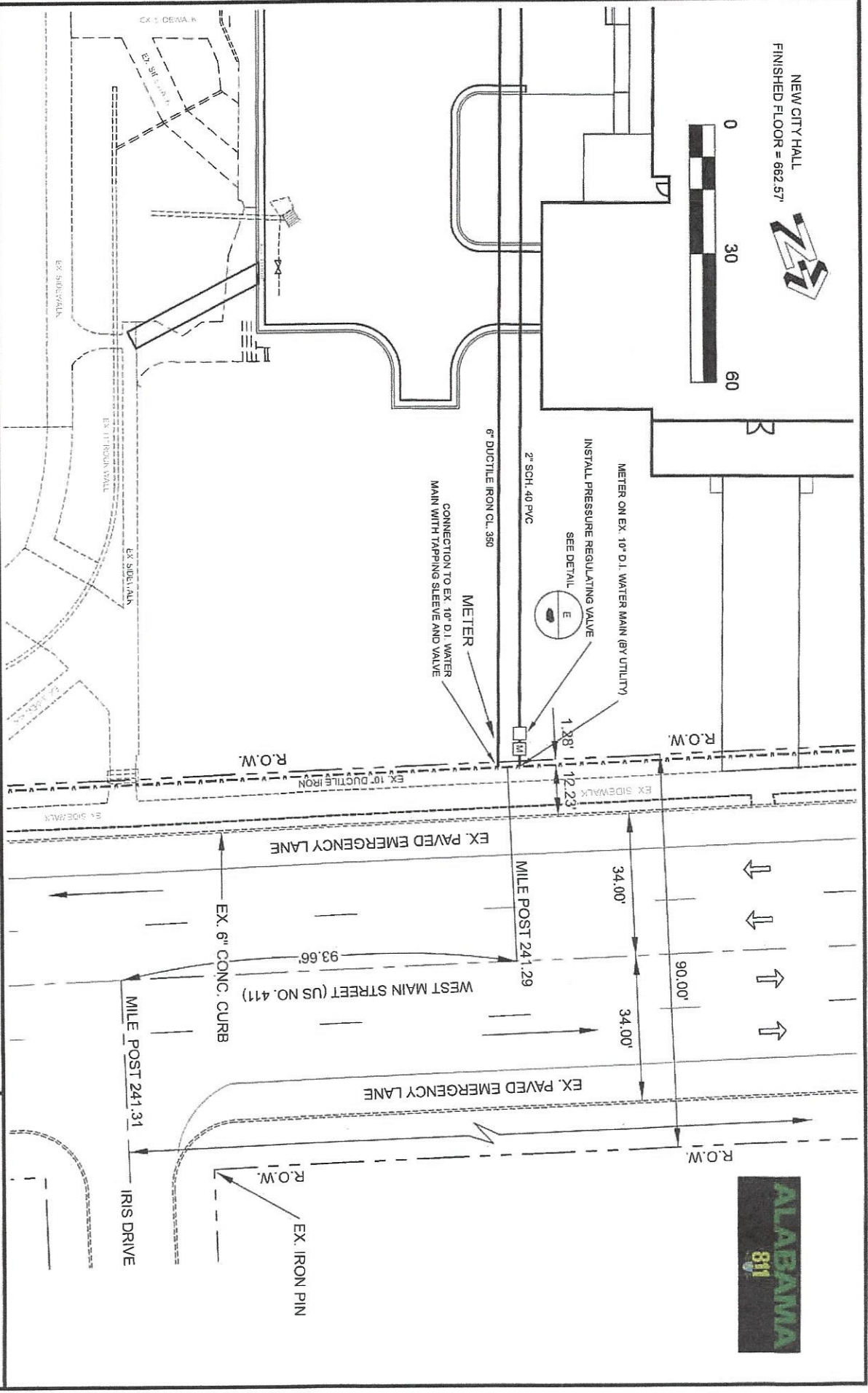
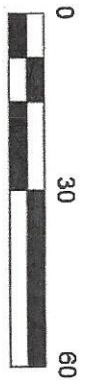
By: J. Cooy Adams [Signature] 4/4/24
Printed Name Signature Date



KEY MAP

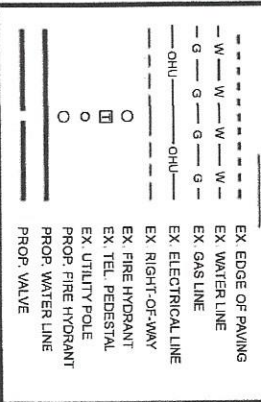
ALDOT MB-01
 ALABAMA STATE ROUTE NO.25 (U.S. HIGHWAY 411)
 MILE POST 241.29
 FOR
 CENTRE WATER WORKS & SEWER BOARD
 130 SOUTH RIVER STREET
 CENTRE, ALABAMA 35960
 256-927-3281
 BY
 LADD ENVIRONMENTAL CONSULTANTS, INC.
 1207 CHITWOOD AVE. SE
 FORT PAYNE, ALABAMA 35967
 256-845-5315 kevin@laddenv.com

NEW CITY HALL
FINISHED FLOOR = 662.57'



1. CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATION. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATION.
2. DETECTOR TAPE TO BE USED WITH ALL PVC PIPE.
3. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF PART 6 OF THE MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD).
4. THE UTILITY WILL ABIDE BY AND FOLLOW THE GUIDELINES SET FORTH IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT AND CONTROL, STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS.
5. ALL DISTURBED AREAS SHALL BE RESEDED OR SEEDED IN ACCORDANCE WITH THE LATEST ALOD SPECIFICATIONS FOR GRASSING OR AS DIRECTED BY THE DEPARTMENT OF TRANSPORTATION DISTRICT MANAGER.
6. ALL MANHOLES AND VALVE BOXES SHALL BE MOUNTED FLUSH WITH EXISTING GROUND.

- NOTES**
7. ALL PAVED DRIVES WILL BE BORED, IF A PAVED DRIVE CANNOT BE BORED, WRITTEN PERMISSION WILL BE OBTAINED FROM THE PROPERTY OWNER PRIOR TO OPEN CUTTING.
 8. A SPECIAL AGREEMENT IS NEEDED FOR UTILITY WORK THAT IS ASSOCIATED WITH AN AGREEMENT WITH ANY PROJECT.
 9. MINIMUM DEPTH OF COVERS IS 36" OR 48" BENEATH ROADWAYS.
 10. ALL WATER METERS MUST BE INSTALLED OFF ALDOT R.O.W.
 11. LINE WORK - 6" D.I. / 7" SCH. 40 / 70 PSI WORKING PRESSURE
 12. WATER MAINS TO BE INSTALLED USING OPEN CUT METHOD.
 13. ALL CONSTRUCTION DEBRIS, BRUSH, TREES AND MATERIALS TO BE REMOVED FROM A.L.D.O.T. RIGHT-OF-WAYS AND DISPOSED OF.
 14. FINAL CONDITION OF COUNTY ROADS AND STATE ROUTE TO BE RETURNED TO EXISTING CONDITION.
 15. EXISTING WATER LINES THAT WILL BE NO LONGER IN SERVICE SHALL BE ABANDONED IN PLACE.



ALDOT MB-01
ALABAMA STATE ROUTE NO 26 (U.S. HIGHWAY 411)
MILE POST 241.29
FOR
CENTRE WATER WORKS & SEWER BOARD
130 SOUTH RIVER STREET
CENTRE, ALABAMA 35960
256-827-3281
BY
LADD ENVIRONMENTAL CONSULTANTS, INC
1207 CHITWOOD AVE. SE
FORT PAYNE, ALABAMA 35981
256-845-5315 levin@laddenv.com





Western Surety Company

CONTINUATION CERTIFICATE

Western Surety Company hereby continues in force Bond No. 69290666 briefly described as RIGHT OF WAY COUNTY OF CHEROKEE

for WATERWORKS AND SEWER BOARD OF THE CITY OF CENTRE

, as Principal,

in the sum of \$ TWENTY-FIVE THOUSAND AND NO/100 Dollars, for the term beginning

February 11, 2024, and ending February 11, 2025, subject to all

the covenants and conditions of the original bond referred to above.

This continuation is issued upon the express condition that the liability of Western Surety Company under said Bond and this and all continuations thereof shall not be cumulative and shall in no event exceed the total sum above written.

Dated this 9th day of January, 2024.

WESTERN SURETY COMPANY

By Larry Kasten
Larry Kasten, Vice President



THIS "Continuation Certificate" MUST BE FILED WITH THE ABOVE BOND.

Western Surety Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That WESTERN SURETY COMPANY, a corporation organized and existing under the laws of the State of South Dakota, and authorized and licensed to do business in the States of Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming, and the United States of America, does hereby make, constitute and appoint

Larry Kasten of Sioux Falls,
State of South Dakota, its regularly elected Vice President,
as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, the following bond:

One RIGHT OF WAY COUNTY OF CHEROKEE

bond with bond number 69290666

for WATERWORKS AND SEWER BOARD OF THE CITY OF CENTRE
as Principal in the penalty amount not to exceed: \$25,000.00

Western Surety Company further certifies that the following is a true and exact copy of Section 7 of the by-laws of Western Surety Company duly adopted and now in force, to-wit:

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

In Witness Whereof, the said WESTERN SURETY COMPANY has caused these presents to be executed by its Vice President Larry Kasten with the corporate seal affixed this 9th day of January, 2024.

ATTEST

L. Bauder
L. Bauder, Assistant Secretary



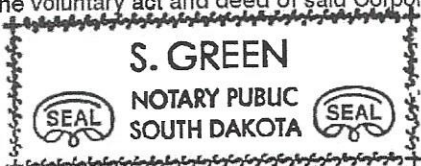
WESTERN SURETY COMPANY

Larry Kasten
Larry Kasten, Vice President

STATE OF SOUTH DAKOTA }
COUNTY OF MINNEHAHA } ss

On this 9th day of January, 2024, before me, a Notary Public, personally appeared Larry Kasten and L. Bauder

who, being by me duly sworn, acknowledged that they signed the above Power of Attorney as Vice President and Assistant Secretary, respectively, of the said WESTERN SURETY COMPANY, and acknowledged said instrument to be the voluntary act and deed of said Corporation.

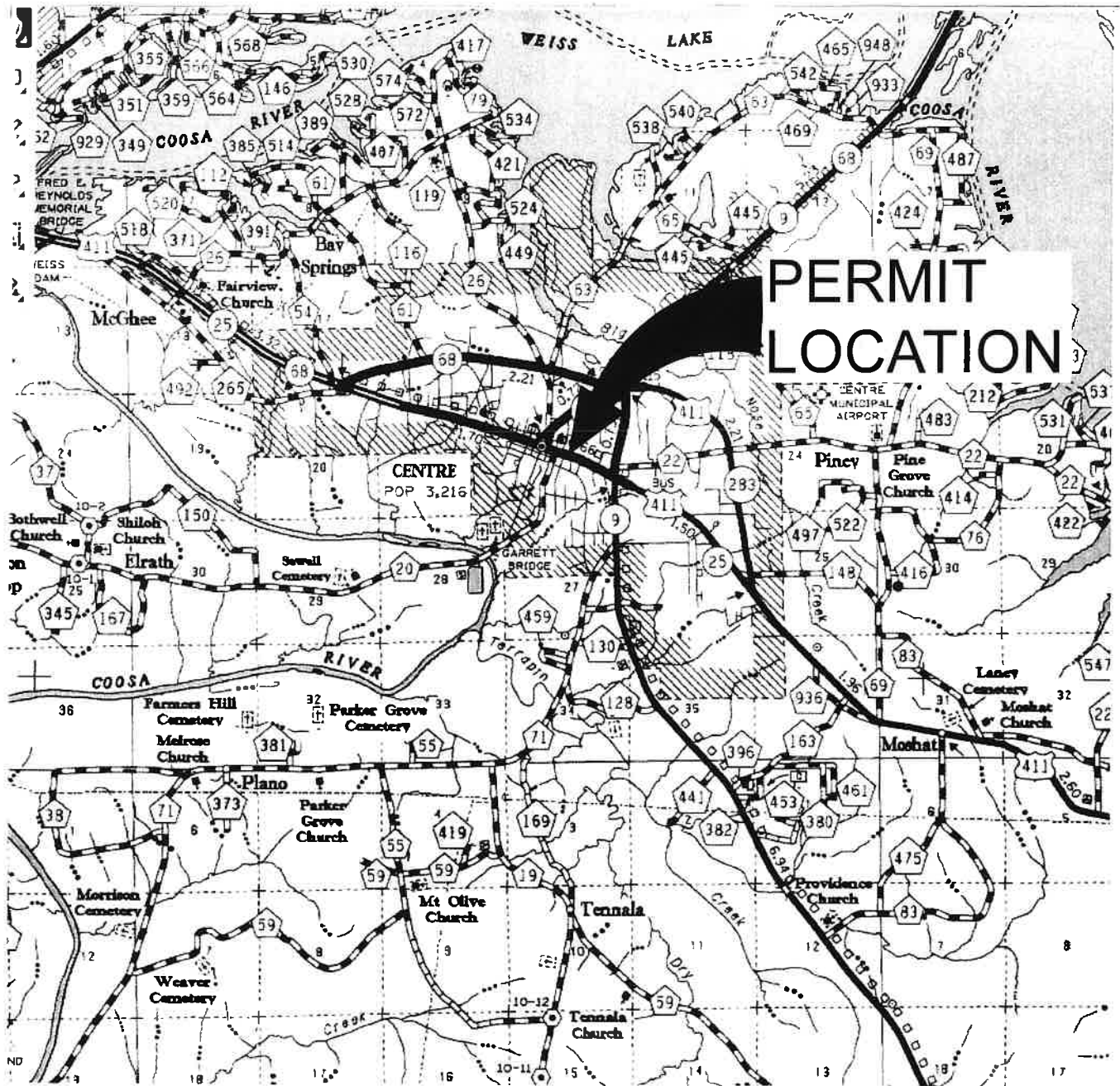


S. Green
Notary Public

My Commission Expires February 12, 2027

To validate bond authenticity, go to www.cnasurety.com > Owner/Obligee Services > Validate Bond Coverage.





KEY MAP

ALDOT MB-05
 ALABAMA STATE ROUTE NO.25 (U.S. HIGHWAY 411)
 MILE POST 241.25 THRU MILE POST 241.28
 FOR
 THE CITY OF CENTRE
 635 ARMORY ROAD
 CENTRE, ALABAMA 35960
 256-927-5222
 BY
 LADD ENVIRONMENTAL CONSULTANTS, INC.
 1207 CHITWOOD AVE. SE
 FORT PAYNE, ALABAMA 35967
 256-845-5315 kevin@laddenv.com

ALABAMA DEPARTMENT OF TRANSPORTATION
AGREEMENT FOR GRADING AND/OR LANDSCAPING
ON RIGHT OF WAY

County CHEROKEE

Route Number AL 25 (U.S. HWY NO. 411)

Milepost 241.25 THRU 241.28

Bonding Agency N/A

Bond Number N/A

Associated Permits and/or Documents _____

<p><i>FOR OFFICIAL USE ONLY</i></p> <p>DATE RECEIVED FROM APPLICANT: <u> </u> / <u> </u> / <u> </u></p> <p>PERMIT NUMBER: _____</p>
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THIS AGREEMENT is entered into this the 15th day of March, 202024, by and between the Alabama Department of Transportation acting by and through its Transportation Director hereinafter referred to as ALDOT and THE CITY OF CENTRE, hereinafter referred to as the APPLICANT.

WITNESSETH

WHEREAS, the APPLICANT proposes to grade and/or landscape ALDOT Right of Way located and described as follows: Minor grading in ROW and replacement of two sidewalks that connect from the sidewalk along US Hwy 411 and the existing school building to be demolished and replaced with a new City Hall

NOW, THEREFORE, in order to preserve the right-of-way in an appropriate functional condition it is agreed between the parties hereto as follows:

1. All grading on the right-of-way will be confined to and coextensive with the limits of the APPLICANT's own property which is adjacent to and coextensive with the right-of-way.
2. All work shall be subject to the inspection and approval of ALDOT and located as shown on the approved plans previously submitted to ALDOT which are hereby made a part of this Agreement by reference.
3. A copy of the Agreement and the plans will be kept at the site of work, at all times, by the APPLICANT.
4. ALDOT does not grant the APPLICANT any right, title, or claim to any highway right-of-way.

5. The APPLICANT will not store material, excess dirt, or equipment on the shoulders or pavement and in event of multi-lane highways, in the median strips. The pavement will be kept free by the APPLICANT from mud and from excavation waste from trucks or other equipment. On completion of the work, all excess material will be removed from the right-of-way by the APPLICANT.

6. All disturbed areas shall be top-soiled and re-vegetated by the APPLICANT in accordance with the standard specifications of ALDOT.

7. In accomplishment of the work by the APPLICANT, no drainage structures or channels will be changed or altered other than as shown on the plans.

8. In no case shall post development drainage from beyond the ROW Limits, directed toward the roadway, be greater than the pre-construction runoff nor shall the post development increase the runoff within the ROW. Should the post development drainage increase to unacceptable levels, the property owner shall restore drainage to the pre-construction levels and restore the ROW to pre-construction conditions.

9. The Federal Water Pollution Control Act, The Federal Insecticide, Fungicide, and Rodenticide Act, The Alabama Water Pollution Control Act, The Alabama Environmental Management Act, The Clean Water Act (1987), and the Alabama Nonpoint Source Management Program (1989) are hereby made a part of this permit by reference.

10. The APPLICANT will conform to the regulations of the Environmental Protection Agency (EPA) and of the Alabama Department of Environmental Management (ADEM), latest edition, for both installation and maintenance of such facilities.

The APPLICANT will provide proof of applicable permit coverage and conform to the above referenced regulations for both the facility installation and maintenance of permitted facilities and areas of rights-of-way. The APPLICANT must provide a copy of the Notice of Intent (NOI) issued by ADEM. This will assure compliance with Phase II of storm-water construction requirements. In the event a NOI is not required, APPLICANT must submit to ALDOT a Best Management Practices (BMP) plan to control sediment run-off.

11. In the event that ALDOT is issued a citation or any other enforcement document by ADEM/EPA for failure to comply with applicable requirements, it shall be the responsibility of the APPLICANT to bring all BMPs into compliance and to pay for any fines, assessments, etc. that may be issued to ALDOT by ADEM/EPA.

12. Underground Damage Prevention Legislation, Alabama Act 94-487, is hereby made a part of this permit by reference. The APPLICANT will conform to the above referenced regulations for both the facility installation and maintenance of permitted facilities and areas of rights-of-way. Should the permitted work require a locate request ticket, no work shall begin until a copy of such ticket is obtained and the APPLICANT shall keep a copy of such ticket at the site of work.

13. The APPLICANT will provide all necessary and adequate safety precautions such as signs, flags, lights, barricades, and flagmen in accordance with the national Manual on Uniform Traffic Control Devices, of record in ALDOT.

14. If hazardous material is encountered in the execution of this Agreement it will be the responsibility of the APPLICANT to notify the proper agency responsible for said hazardous material and to comply with any and all environmental regulations as established by the Environmental Protection Agency (EPA), Alabama Department of Environmental Management (ADEM), and of the Occupational Safety and Health Administration (OSHA) in the proper disposition of the hazardous material encountered.

15. Any utility adjustment will be by agreement between the APPLICANT and the Utility, and any such agreement shall be subject to the approval of ALDOT.

16. This permit is valid for the contract period which is defined as follows: All proposed work as described and submitted in the permit documents must be completed within one year from the approved date of the permit and for a period covering one year from ALDOT acceptance of proposed work.

17. The APPLICANT will perform or cause to be performed the work applied for in this permit contract and will restore the highway in the work area in as good condition as the same was prior to the work and will maintain the accomplished work and highway work area in a condition satisfactory to ALDOT. Should the APPLICANT not maintain the work or create an unsafe condition during the contract period, ALDOT reserves the right to remove any work and restore the ROW to a safe condition at the expense of the APPLICANT and the APPLICANT agrees to pay ALDOT all such costs as a result.

18. Once work is begun, the APPLICANT shall pursue the work continuously and diligently until completion. Should the APPLICANT feel that the work cannot be completed in a one year period, they shall submit in writing (30 days prior to the termination date) to ALDOT the reasons for an extension of time. ALDOT will determine whether an extension may be approved.

19. The APPLICANT will file with ALDOT an acceptable certified check or bond in the penal amount of \$ 0.00 (Bond Number: N/A) to guarantee the faithful performance of this permit contract in its entirety during the contract period as defined in item 16. Upon satisfactory completion and acceptance of all work provided for in this permit contract, the check or bond, as applicable, will be returned to the APPLICANT; otherwise, the proceeds from the check, or any amount received by ALDOT as a result of the bond, will be applied to complete and fulfill the permit contract terms.

20. Indemnification Provisions. Please check the appropriate type of applicant:

By entering into this agreement, the APPLICANT is not an agent of the State, its officers, employees, agents or assigns. The APPLICANT is an independent entity from the State and nothing in this agreement creates an agency relationship between the parties.



If the applicant is an incorporated municipality or gas district then:

Subject to the limitations on damages applicable to municipal corporations under Ala. Code § 11-47-190 (1975), the APPLICANT shall defend, indemnify, and hold harmless the State of Alabama, ALDOT, its officers, officials, agents, servants, and employees, in both their official and individual capacities, from and against (1) claims, damages, losses, and expenses, including but not limited to attorneys' fees arising out of, connected with, resulting from or related to the work performed by the APPLICANT, or its officers, employees, contracts, agents or assigns (2) the provision of any services or expenditure of funds required, authorized, or undertaken by the APPLICANT pursuant to the terms of this Agreement, or (3) any damage, loss, expense, bodily injury, or death, or injury or destruction of tangible property (other than the work itself), including loss of use therefrom, and including but not limited to attorneys' fees, caused by the negligent, careless or unskillful acts of the APPLICANT its agents, servants, representatives or employees, or the misuse, misappropriation, misapplication, or misexpenditure of any source of funding, compensation or reimbursement by the APPLICANT, its agents, servants, representatives or employees, or anyone for whose acts the APPLICANT may be liable.

If the applicant is county government then:

The APPLICANT shall be responsible at all times for all of the work performed under this agreement and, as provided in Ala. Code § 11-93-2 (1975), the APPLICANT shall protect, defend, indemnify and hold harmless the State of Alabama, The Alabama Department of Transportation, its officials, officers, servants, and employees, in their official capacities, and their agents and/or assigns.

For all claims not subject to Ala. Code § 11-93-2 (1975), the APPLICANT shall indemnify and hold harmless the State of Alabama, the Alabama Department of Transportation, the officials, officers, servants, and employees, in both their official and individual capacities, and their agents and/or assigns from and against any and all action, damages, claims, loss, liabilities, attorney's fees or expense whatsoever or any amount paid in compromise thereof arising out of, connected with, or related to the (1) work performed under this Agreement, (2) the provision of any services or expenditure of funds required, authorized, or undertaken by the APPLICANT pursuant to the terms of this agreement, or (3) misuse, misappropriation, misapplication, or misexpenditure of any source of funding, compensation or reimbursement by the APPLICANT, its agents, servants, representatives, employees or assigns.

If the applicant is a state governmental agency or institution then:

The APPLICANT shall be responsible for damage to life and property due to activities of the APPLICANT of employees of APPLICANT in connection with the work or services under this Agreement. The APPLICANT agrees that its contractors, subcontractors, agents, servants, vendors or employees of APPLICANT shall possess the experience, knowledge and skill necessary to perform the particular duties required or necessary under this Agreement. The APPLICANT is a state institution and is limited by the Alabama Constitution in its ability to indemnify and hold harmless another entity. The APPLICANT maintains self-insurance coverage applicable to the negligent acts and omissions of its officers and employees, which occur within the scope of their employment by the APPLICANT. The APPLICANT has no insurance coverage applicable to third-party acts, omissions or claims, and can undertake no obligation that might create a debt on the State Treasury. The APPLICANT agrees ALDOT shall not be responsible for the willful, deliberate, wanton or negligent acts of the APPLICANT, or its officials, employees, agents, servants, vendors, contractors or subcontractors. The APPLICANT shall require, its contractors and its subcontractors, agents, servants or vendors, as a term or its contract with the APPLICANT, to include ALDOT as an additional insured in any insurance policy providing coverage for the work to be performed pursuant to and under this Agreement and to provide the APPLICANT a copy of the insurance policy declaration sheet confirming the addition of ALDOT thereto.

If the applicant is not a county, incorporated municipality, or state governmental agency or institution then:

The APPLICANT will protect, defend, indemnify and hold harmless the State of Alabama, ALDOT, the officials, officers, and employees, in both their official and individual capacities, and their agents and/or assigns, from and against any and all actions, damages, claims, loss, liabilities, attorney's fees or expense whatsoever or any amount paid in compromise thereof arising out of or connected with the work performed under this Permit, and/or the APPLICANT's failure to comply with all applicable laws or regulations.

21. This agreement when executed will not be valid or binding until the APPLICANT has complied with all existing ordinances, laws, and zoning boards that have jurisdiction in the county, city, or municipality in which the facilities are located.

This Agreement is deemed to be executed on the date hereinabove set forth by the parties hereto in their respective names by those persons and officials thereunto duly authorized. Witness our hands and seals, this the 15th day of March, 2024.

WITNESS:

James Payton

CITY OF CENTRE
Legal Name of Applicant

By:


Authorized Signature and Title for Applicant

MARK MANSFIELD
Typed or Printed Name of Signee

635 ARMORY ROAD
Address Line 1

CENTRE, AL. 35960
Address Line 2

256-927-5222
Telephone Number

FOR OFFICIAL USE ONLY

RECOMMENDED FOR APPROVAL:

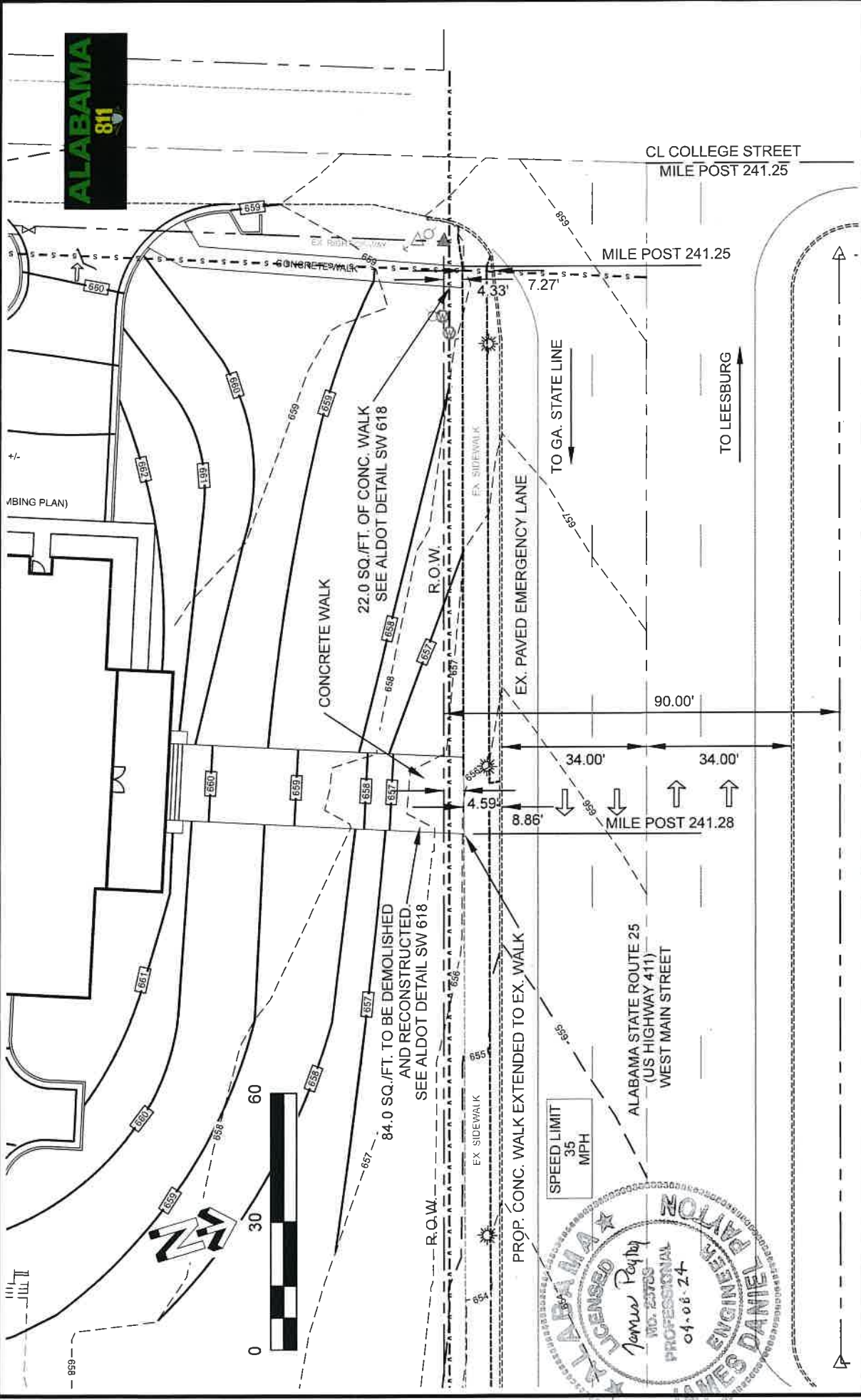
DISTRICT:	_____	_____	_____
	Printed Name	Signature	Date
AREA:	_____	_____	_____
	Printed Name	Signature	Date
REGION:	_____	_____	_____
	Printed Name	Signature	Date

APPROVED:
ALABAMA DEPARTMENT OF TRANSPORTATION
ACTING BY AND THROUGH ITS TRANSPORTATION
DIRECTOR

(PLEASE CHECK APPROPRIATE BOX)

- CENTRAL OFFICE
- REGION
- AREA
- DISTRICT

By: _____
Printed Name Signature Date



ALDOT MB-05
 ALABAMA STATE ROUTE NO.25 (U.S. HIGHWAY 411)
 MILE POST 241.25 THRU MILE POST 241.28
 FOR
 CITY OF CENTRE
 635 ARMORY ROAD
 CENTRE, ALABAMA 35960
 256-927-5222
 BY
 LADD ENVIRONMENTAL CONSULTANTS, INC.
 1207 CHITWOOD AVE. SE
 FORT PAYNE, ALABAMA 35981
 256-845-5315 kevin@laddenv.com

LEGEND

---	EX. EDGE OF PAVING
-W-	EX. WATER LINE
-G-	EX. GAS LINE
-OHU-	EX. ELECTRICAL LINE
---	EX. RIGHT-OF-WAY
---	EX. FIRE HYDRANT
---	EX. TEL. PEDESTAL
---	EX. UTILITY POLE
---	PROP. FIRE HYDRANT
---	PROP. CONTOUR
---	EXISTING CONTOUR

- NOTES**
- CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATION. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATION.
 - DETECTOR TAPE TO BE USED WITH ALL PVC PIPE.
 - ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF PART 6 OF THE MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD).
 - THE UTILITY WILL ABIDE BY AND FOLLOW THE GUIDELINES SET FORTH IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT AND CONTROL STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS.
 - ALL DISTURBED AREAS SHALL BE RECORDED OR SEEDED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS FOR GRASSING AS REQUIRED BY THE DEPARTMENT OF TRANSPORTATION'S DISTRICT MANAGER.
 - ALL MANHOLES AND VALVE BOXES SHALL BE MOUNTED FLUSH WITH EXISTING GROUND.
 - ALL PAVED DRIVES WILL BE BORED. IF A PAVED DRIVE CANNOT BE BORED, WRITTEN PERMISSION WILL BE OBTAINED FROM THE PROPERTY OWNER PRIOR TO OPEN CUTTING.
 - A SPECIAL AGREEMENT IS NEEDED FOR UTILITY WORK THAT IS ASSOCIATED WITH AN ONGOING HIGHWAY PROJECT.
 - MINIMUM DEPTH OF COVER IS 36" OR 48" BENEATH ROADWAYS.
 - ALL WATER METERS MUST BE INSTALLED OFF ALDOT R.O.W.
 - LINE WORK - 6" DI 1/2" SCH 40 70 PSI WORKING PRESSURE.
 - WATER MAINS TO BE INSTALLED USING OPEN CUT METHOD.
 - ALL CONSTRUCTION DEBRIS, BRUSH, TREES, AND MATERIALS TO BE REMOVED FROM A.L.D.O.T. RIGHT-OF-WAYS AND DISPOSED OF PROPERLY.
 - FINAL CONSTRUCTION OF COUNTY ROADS AND STATE ROUTE TO BE RETURNED TO EXISTING WATER LINES THAT WILL BE NO LONGER IN SERVICE SHALL BE ABANDONED IN PLACE.
 - DRAINAGE WILL BE DECREASED FROM PRE TO POST RUNOFF.



The ADEM Stormwater Permit is in the scope of the General Contractor and must be obtained prior to disturbance on-site.

Cherokee Revenue Commissioner's Parcel Viewer

Find address or place:

- Navigation Tools
- Search Tools
- Map Tools

- Layers
 - Parcel Popup
 - Cherokee County Data
 - Cherokee County Contours
 - APC Contours
 - Cherokee Imagery 2021

Legend

Search

By Attribute By Shape

Select A Layer:

Parcels

Owner Name: (at least 3 chars)

Enter Search Address or PIN Search

Parcel Number: (at least 3 chars)

1405223001016000

PIN (Parcel Identification Number): (at least 1 chars)

15322

Search

Print

Title: Viewer Map

Format PDF



CITY OF CENTRE
A NEW CITY HALL AND MUNICIPAL OFFICE BUILDING
CHEROKEE COUNTY TAX MAP

**CENTRE CITY HALL
JOB NO. 5200**

**PRE-DEVELOPMENT
Rainfall Runoff - Rational Method**

Area:	31,363 ft ²	Slope:	1.4 %
	0.72 ac	Length:	440 ft
Rainfall Intensity:	6.42 in/hr	Runoff Coefficient:	0.45
Design Storm:	50 yr	Time of Concentration:	18 min
Runoff Coefficient:	0.45		
Q:	2.1 cfs		
	941.4 gpm		

**POST-DEVELOPMENT
Rainfall Runoff - Rational Method**

Area:	31,363 ft ²	Slope:	1.8 %
	0.72 ac	Length:	280 ft
Rainfall Intensity:	5.54 in/hr	Runoff Coefficient:	0.27
Design Storm:	50 yr	Time of Concentration:	25 min
Runoff Coefficient:	0.27		
Q:	1.1 cfs		
	487.4 gpm		

Rainfall from Attached Chart, 50 yr Storm
For Tc=18 min, I = 6.42 in/hr
For Tc=25 min, I = 5.54 in/hr
Runoff Coefficient from Attached Sheets

PRE-DEVELOPMENT RUNOFF (2.1 CFS) IS GREATER THAN POST-DEVELOPMENT RUNOFF (1.1 CFS)



1" = 60'

CENTRE CITY HALL J# 5200



POST DEV
A = 0.53 AC

PRE-DEV
A = 0.72 AC

CBMPP TOTAL DISTURBED
2.27 AC ±
98902 SQFT

2.97 ACRES TOTAL

CBMPP TOTAL UNDISTURBED
0.73 AC ±
30370.84 SQFT



NOAA Atlas 14, Volume 9, Version 2
Location name: Centre, Alabama, USA*
Latitude: 34.1509°, Longitude: -85.6783°
Elevation: 650 ft**



* source: ESRI Maps
 ** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffery Bonnln

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps & aeriels](#)

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	4.91 (3.89-6.18)	5.70 (4.51-7.20)	7.07 (5.57-8.94)	8.27 (6.47-10.5)	10.0 (7.60-13.1)	11.4 (8.44-15.0)	12.9 (9.18-17.3)	14.4 (9.85-19.7)	16.6 (10.9-23.1)	18.3 (11.6-25.7)
10-min	3.59 (2.84-4.53)	4.18 (3.30-5.27)	5.18 (4.08-6.54)	6.05 (4.74-7.67)	7.32 (5.56-9.57)	8.35 (6.18-11.0)	9.42 (6.73-12.6)	10.6 (7.21-14.4)	12.1 (7.96-16.9)	13.4 (8.51-18.8)
15-min	2.92 (2.31-3.68)	3.40 (2.68-4.28)	4.21 (3.32-5.32)	4.92 (3.85-6.24)	5.95 (4.52-7.78)	6.79 (5.02-8.95)	7.66 (5.47-10.3)	8.58 (5.86-11.7)	9.86 (6.47-13.8)	10.9 (6.92-15.3)
30-min	2.11 (1.67-2.66)	2.46 (1.94-3.10)	3.05 (2.40-3.85)	3.57 (2.79-4.52)	4.31 (3.27-5.64)	4.92 (3.64-6.48)	5.55 (3.96-7.45)	6.22 (4.25-8.51)	7.14 (4.69-9.97)	7.87 (5.02-11.1)
60-min	1.38 (1.09-1.74)	1.60 (1.26-2.02)	1.97 (1.55-2.49)	2.30 (1.80-2.92)	2.79 (2.12-3.65)	3.19 (2.36-4.21)	3.60 (2.58-4.84)	4.05 (2.77-5.55)	4.67 (3.06-6.52)	5.16 (3.29-7.26)
2-hr	0.852 (0.681-1.06)	0.983 (0.784-1.23)	1.21 (0.963-1.52)	1.41 (1.12-1.77)	1.71 (1.32-2.22)	1.96 (1.47-2.56)	2.22 (1.60-2.95)	2.49 (1.73-3.39)	2.88 (1.92-3.99)	3.19 (2.06-4.45)
3-hr	0.637 (0.512-0.791)	0.732 (0.587-0.909)	0.898 (0.717-1.12)	1.05 (0.831-1.31)	1.27 (0.980-1.64)	1.45 (1.09-1.88)	1.64 (1.19-2.17)	1.85 (1.29-2.50)	2.14 (1.43-2.95)	2.37 (1.54-3.29)
6-hr	0.390 (0.316-0.480)	0.446 (0.361-0.549)	0.544 (0.439-0.671)	0.631 (0.507-0.781)	0.761 (0.595-0.973)	0.868 (0.662-1.12)	0.981 (0.723-1.29)	1.10 (0.779-1.48)	1.27 (0.865-1.74)	1.41 (0.930-1.94)
12-hr	0.237 (0.194-0.289)	0.271 (0.222-0.330)	0.330 (0.269-0.402)	0.381 (0.309-0.467)	0.456 (0.360-0.576)	0.517 (0.398-0.659)	0.581 (0.433-0.753)	0.649 (0.464-0.858)	0.744 (0.511-1.00)	0.819 (0.547-1.11)
24-hr	0.142 (0.118-0.172)	0.164 (0.135-0.197)	0.199 (0.164-0.241)	0.230 (0.188-0.278)	0.273 (0.217-0.340)	0.308 (0.239-0.387)	0.343 (0.258-0.440)	0.381 (0.275-0.497)	0.432 (0.300-0.575)	0.471 (0.319-0.634)
2-day	0.083 (0.070-0.100)	0.096 (0.080-0.114)	0.116 (0.097-0.139)	0.134 (0.111-0.161)	0.158 (0.127-0.195)	0.177 (0.139-0.220)	0.197 (0.149-0.249)	0.217 (0.158-0.280)	0.244 (0.172-0.321)	0.264 (0.181-0.352)
3-day	0.061 (0.051-0.073)	0.070 (0.059-0.083)	0.084 (0.070-0.100)	0.096 (0.080-0.115)	0.113 (0.091-0.138)	0.126 (0.100-0.156)	0.140 (0.107-0.176)	0.153 (0.113-0.197)	0.172 (0.122-0.225)	0.186 (0.129-0.246)
4-day	0.050 (0.042-0.059)	0.056 (0.047-0.067)	0.067 (0.056-0.080)	0.076 (0.064-0.091)	0.089 (0.072-0.109)	0.099 (0.079-0.122)	0.110 (0.084-0.137)	0.120 (0.089-0.154)	0.134 (0.096-0.175)	0.145 (0.101-0.192)
7-day	0.034 (0.029-0.040)	0.038 (0.032-0.044)	0.044 (0.038-0.052)	0.050 (0.042-0.059)	0.058 (0.047-0.070)	0.064 (0.051-0.078)	0.070 (0.054-0.087)	0.076 (0.057-0.097)	0.085 (0.061-0.110)	0.091 (0.064-0.119)
10-day	0.027 (0.023-0.031)	0.030 (0.025-0.035)	0.035 (0.030-0.041)	0.039 (0.033-0.046)	0.045 (0.037-0.054)	0.049 (0.040-0.060)	0.054 (0.042-0.066)	0.058 (0.044-0.074)	0.064 (0.047-0.083)	0.069 (0.049-0.090)
20-day	0.018 (0.015-0.021)	0.020 (0.017-0.023)	0.023 (0.020-0.026)	0.025 (0.022-0.029)	0.029 (0.024-0.034)	0.031 (0.025-0.037)	0.034 (0.027-0.041)	0.036 (0.028-0.045)	0.040 (0.029-0.050)	0.042 (0.030-0.054)
30-day	0.015 (0.013-0.017)	0.016 (0.014-0.018)	0.018 (0.016-0.021)	0.020 (0.017-0.023)	0.023 (0.019-0.027)	0.025 (0.020-0.029)	0.026 (0.021-0.032)	0.028 (0.022-0.035)	0.031 (0.023-0.039)	0.032 (0.023-0.041)
45-day	0.012 (0.010-0.014)	0.013 (0.011-0.015)	0.015 (0.013-0.017)	0.017 (0.014-0.019)	0.018 (0.015-0.022)	0.020 (0.016-0.024)	0.021 (0.017-0.026)	0.023 (0.017-0.028)	0.024 (0.018-0.030)	0.025 (0.018-0.032)
60-day	0.010 (0.009-0.012)	0.012 (0.010-0.013)	0.013 (0.011-0.015)	0.014 (0.013-0.017)	0.016 (0.014-0.019)	0.017 (0.014-0.020)	0.018 (0.015-0.022)	0.019 (0.015-0.024)	0.021 (0.015-0.026)	0.021 (0.016-0.027)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

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PF graphical

TABLE 7.1 TYPICAL RUNOFF COEFFICIENTS (C VALUES) FOR 50-YEAR FREQUENCY STORM

LAND-USE DESCRIPTION	HYDROLOGIC SOIL GROUP			
	A	B	C	D
Cultivated Land: without conservation treatment with conservation treatment	0.49	0.67	0.81	0.88
	0.27	0.43	0.61	0.67
Pasture or range land: poor condition good condition	0.38	0.63	0.79	0.84
	0.17	0.25	0.51	0.65
Meadow: good condition	0.15	0.22	0.44	0.61
Wood or forest land: thin stand, poor cover, no mulch good cover	0.20	0.31	0.59	0.79
	0.15	0.21	0.45	0.59
Open spaces, lawns, parks, golf courses, cemeteries: good condition, grass cover on 75% or more of area fair condition, grass cover on 50-75% of area	0.17	0.25	0.51	0.65
	0.30	0.45	0.63	0.74
Commercial and business areas (85% impervious)	0.84	0.90	0.93	0.96
Industrial districts (72% impervious)	0.67	0.81	0.88	0.92
Residential: Average lot size				
1/6 acre	0.59	0.76	0.86	0.90
1/4 acre	0.26	0.55	0.70	0.80
1/3 acre	0.24	0.49	0.67	0.78
1/2 acre	0.22	0.45	0.65	0.76
1 acre	0.20	0.41	0.63	0.74
Paved parking lots, roofs, driveways, etc.	0.99	0.99	0.99	0.99
Streets and roads: paved with curbs and storm sewers gravel dirt	0.99 0.57 0.49	0.99 0.76 0.69	0.99 0.84 0.80	0.99 0.88 0.84

NOTE: GREEN text indicates the value was not available and has been estimated.

SOURCE: *Technical Manual for Land Use Regulation Program*, Department of Environmental Protection, Bureau of Inland and Coastal Regulations, Stream Encroachment Permits (Trenton, New Jersey, revised September 1995), p. 12.

GREEN = ESTIMATED PARAMETER
 BLACK = TEXT OR STANDARD VALUE
 RED = INPUT
 BLUE = CALCULATED VALUE
 ORANGE = SUMMATION CHECKS (SHOULD ALL EQUAL 100%)

Cr Factor

RATIONAL "C" = 0.28					0%	100%	0%	0.27
HYDROLOGICAL SOIL GROUP %		CONDITION %		A	B	C	D	
LAND USE %								
0%	80%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
	20%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
96%	0%	0.0000	0.0000	0.0000	0.2400	0.0000	0.0000	
	100%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	100%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	0%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	100%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	0%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	0%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	0%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	0%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
4%	0%	0.0000	0.0000	0.0000	0.0396	0.0000	0.0000	
0%	100%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	0%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	100%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
0%	0%	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
4%	0%	0.0000	0.0000	0.0000	0.0396	0.0000	0.0000	

100%

CR Factor for Storm
 100 1
 50 0.96
 25 0.88
 10 0.8
 5 0.72
 1 0.64

TABLE 7.1 TYPICAL RUNOFF COEFFICIENTS (C VALUES) FOR 50-YEAR FREQUENCY STORM

LAND-USE DESCRIPTION	HYDROLOGIC SOIL GROUP			
	A	B	C	D
Cultivated land: without conservation treatment with conservation treatment	0.49	0.67	0.81	0.88
	0.27	0.43	0.61	0.67
Pasture or range land: poor condition good condition	0.38	0.63	0.79	0.84
	0.17	0.25	0.51	0.65
Meadow: good condition	0.15	0.22	0.44	0.61
Wood or forest land: thin stand, poor cover, no mulch good cover	0.20	0.31	0.59	0.79
	0.15	0.21	0.45	0.59
Open spaces, lawns, parks, golf courses, cemeteries: good condition, grass cover on 75% or more of area fair condition, grass cover on 50-75% of area	0.17	0.25	0.51	0.65
	0.30	0.45	0.63	0.74
Commercial and business areas (85% impervious)	0.84	0.90	0.93	0.96
Industrial districts (72% impervious)	0.67	0.81	0.88	0.92
Residential:				
Average lot size				
1/6 acre	0.59	0.76	0.86	0.90
1/4 acre	0.26	0.55	0.70	0.80
1/3 acre	0.24	0.49	0.67	0.78
1/2 acre	0.22	0.45	0.65	0.76
1 acre	0.20	0.41	0.63	0.74
Paved parking lots, roofs, driveways, etc.	0.99	0.99	0.99	0.99
Streets and roads:				
paved with curbs and storm sewers	0.99	0.99	0.99	0.99
gravel	0.57	0.76	0.84	0.88
dirt	0.49	0.69	0.80	0.84

NOTE: GREEN text indicates the value was not available and has been estimated.

SOURCE: *Technical Manual for Land Use Regulation Program*, Department of Environmental Protection, Bureau of Inland and Coastal Regulations, Stream Encroachment Permits (Trenton, New Jersey, revised September 1995), p. 12.

Cr Factor

RATIONAL "C" = 0.46					0%	100%	0%	0.45
HYDROLOGICAL SOIL GROUP %		CONDITION %		A	B	C	D	0%
LAND USE %								
0%		80%		0.0000	0.0000	0.0000	0.0000	0.0000
		20%		0.0000	0.0000	0.0000	0.0000	0.0000
71%		0%		0.0000	0.0000	0.0000	0.0000	0.0000
		100%		0.0000	0.1775	0.0000	0.0000	0.0000
0%				0.0000	0.0000	0.0000	0.0000	0.0000
0%		100%		0.0000	0.0000	0.0000	0.0000	0.0000
		0%		0.0000	0.0000	0.0000	0.0000	0.0000
0%		100%		0.0000	0.0000	0.0000	0.0000	0.0000
0%		0%		0.0000	0.0000	0.0000	0.0000	0.0000
0%				0.0000	0.0000	0.0000	0.0000	0.0000
0%				0.0000	0.0000	0.0000	0.0000	0.0000
29%				0.0000	0.2871	0.0000	0.0000	0.0000
0%		0%		0.0000	0.0000	0.0000	0.0000	0.0000
		100%		0.0000	0.0000	0.0000	0.0000	0.0000
		0%		0.0000	0.0000	0.0000	0.0000	0.0000

100%

CR Factor for Storm

100	1
50	0.96
25	0.88
10	0.8
5	0.72
1	0.64

GREEN = ESTIMATED PARAMETER

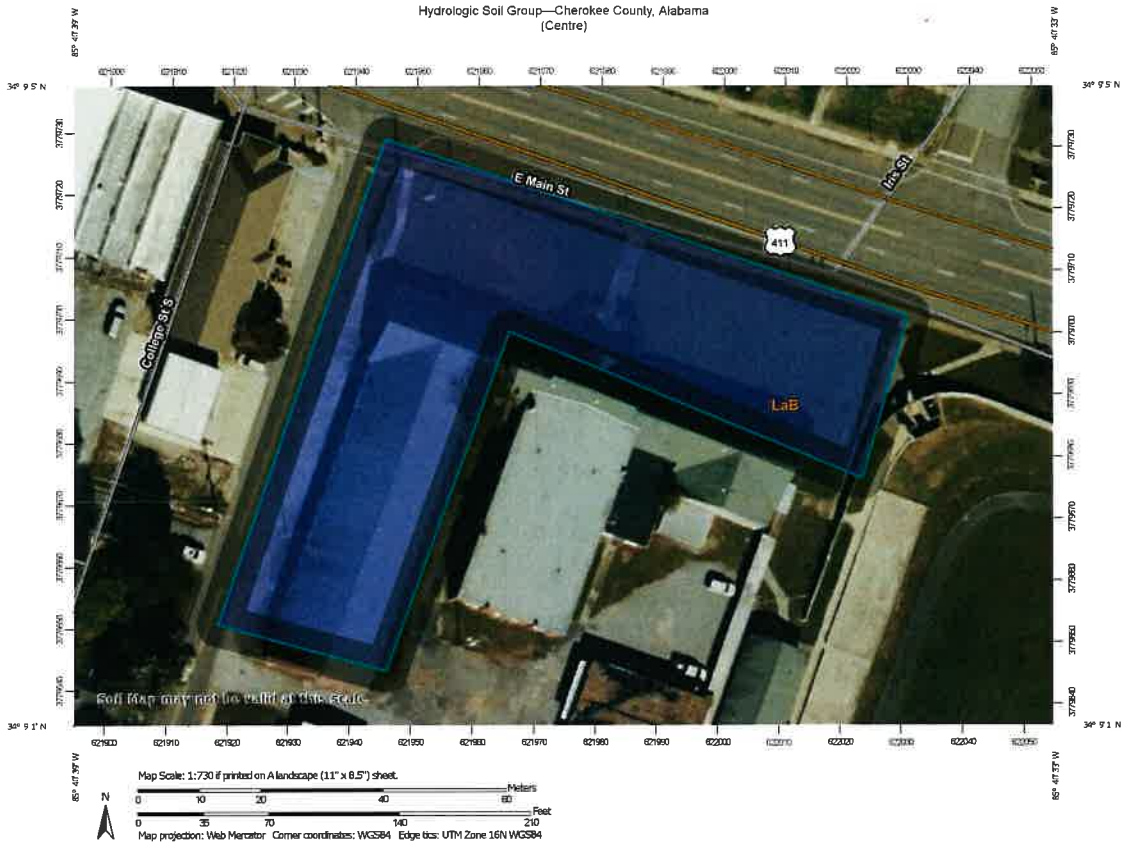
BLACK = TEXT OR STANDARD VALUE

RED = INPUT

BLUE = CALCULATED VALUE

ORANGE = SUMMATION CHECKS (SHOULD ALL EQUAL 100%)

Hydrologic Soil Group—Cherokee County, Alabama
(Centre)



Hydrologic Soil Group—Cherokee County, Alabama
(Centre)

MAP LEGEND		MAP INFORMATION
<p>Area of Interest (AOI)</p> <ul style="list-style-type: none"> Area of Interest (AOI) 		<p>The soil surveys that comprise your AOI were mapped at 1:20,000</p> <div style="border: 1px solid gray; padding: 5px; margin: 5px 0;"> <p>Warning: Soil Map may not be valid at this scale</p> <p>Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Cherokee County, Alabama Survey Area Date: Version 19, Sep 12, 2023</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Oct 23, 2021—Dec 2, 2021</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p>
<p>Soils</p> <p>Soil Rating Polygons</p> <ul style="list-style-type: none"> A A/D B B/D C C/D D Not rated or not available <p>Soil Rating Lines</p> <ul style="list-style-type: none"> A A/D B B/D C C/D D Not rated or not available <p>Soil Rating Points</p> <ul style="list-style-type: none"> A A/D B B/D 		
<p>Water Features</p> <ul style="list-style-type: none"> Streams and Canals <p>Transportation</p> <ul style="list-style-type: none"> Rails Interstate Highways US Routes Major Roads Local Roads <p>Background</p> <ul style="list-style-type: none"> Aerial Photography 		

Hydrologic Soil Group

B

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
LaB	Leesburg gravelly fine sandy loam, 2 to 6 percent slopes	B	1.0	100.0%
Totals for Area of Interest			1.0	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

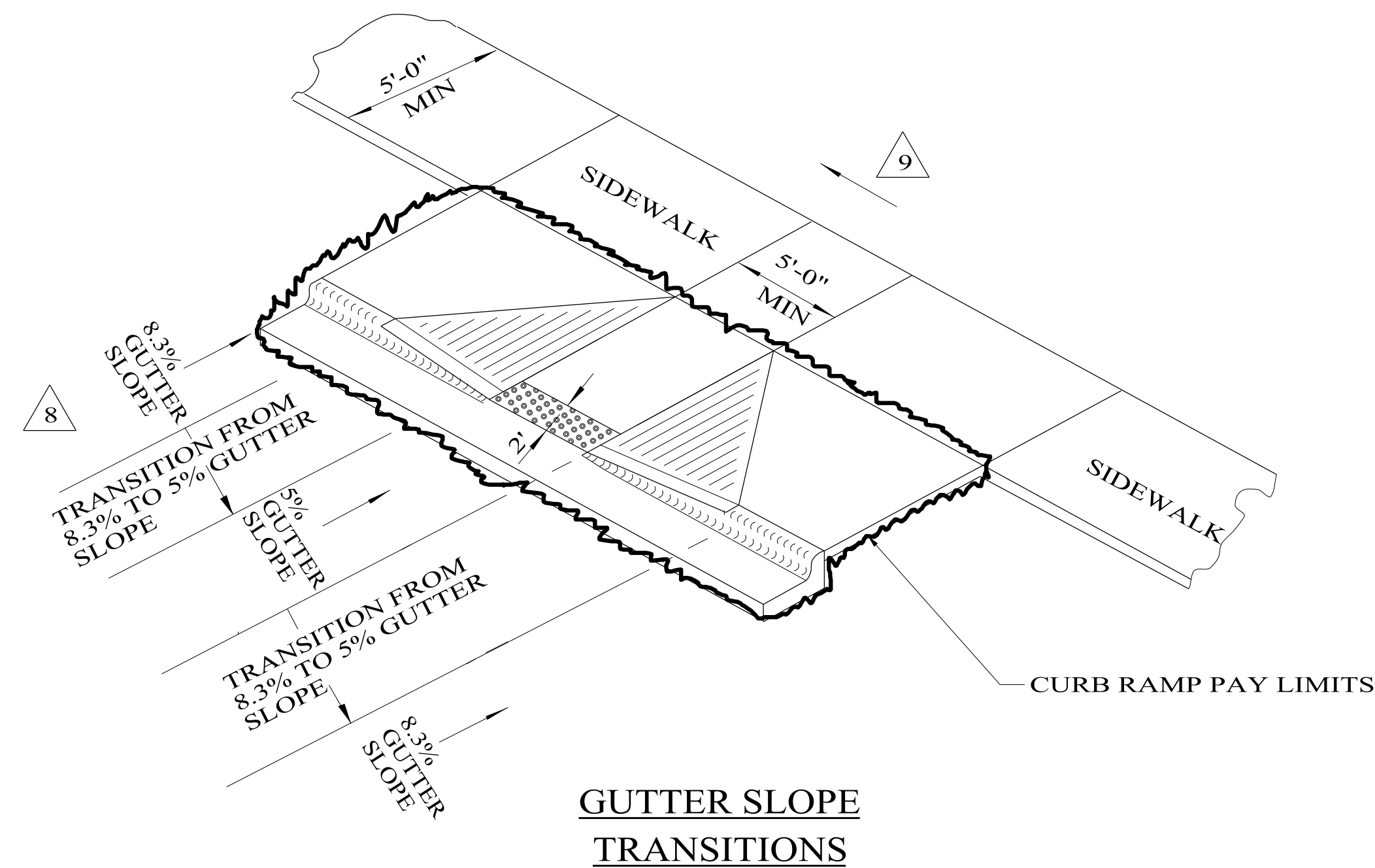
Rating Options

Aggregation Method: Dominant Condition

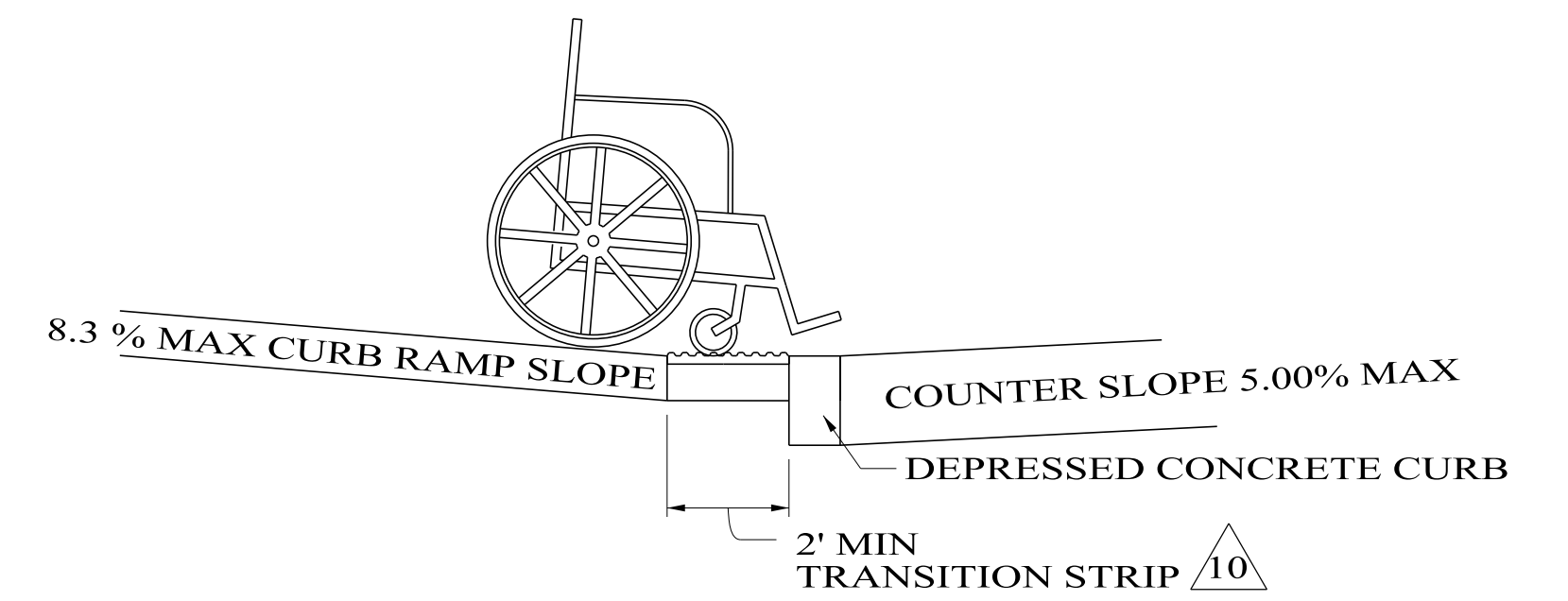
Component Percent Cutoff: None Specified
Tie-break Rule: Higher

DETAIL CALL-OUTS: $\triangle 14$

- ① RAMP
15'-0" MAX LENGTH
8.3% (12:1) MAX RUNNING SLOPE
5.0% (20:1) MIN RUNNING SLOPE
2.0% (50:1) MAX CROSS SLOPE
- ② FLARES
10.0% (10:1) MAX RUNNING SLOPE
- ③ LANDING OR TURNING SPACE
2.0% (50:1) MAX RUNNING SLOPE
2.0% (50:1) MAX CROSS SLOPE
- ④ OMIT
- ⑤ SIDEWALKS
5.0% (20:1) MAX RUNNING SLOPE
2.0% (50:1) MAX CROSS SLOPE
- ⑥ DRIVEWAYS
8.0% (12.5:1) MAX CHANGE IN GRADE BETWEEN ROAD SURFACES AND DRIVEWAY
8.0% (12.5:1) MAX CHANGE IN GRADE BETWEEN DRIVEWAY AND SIDEWALK



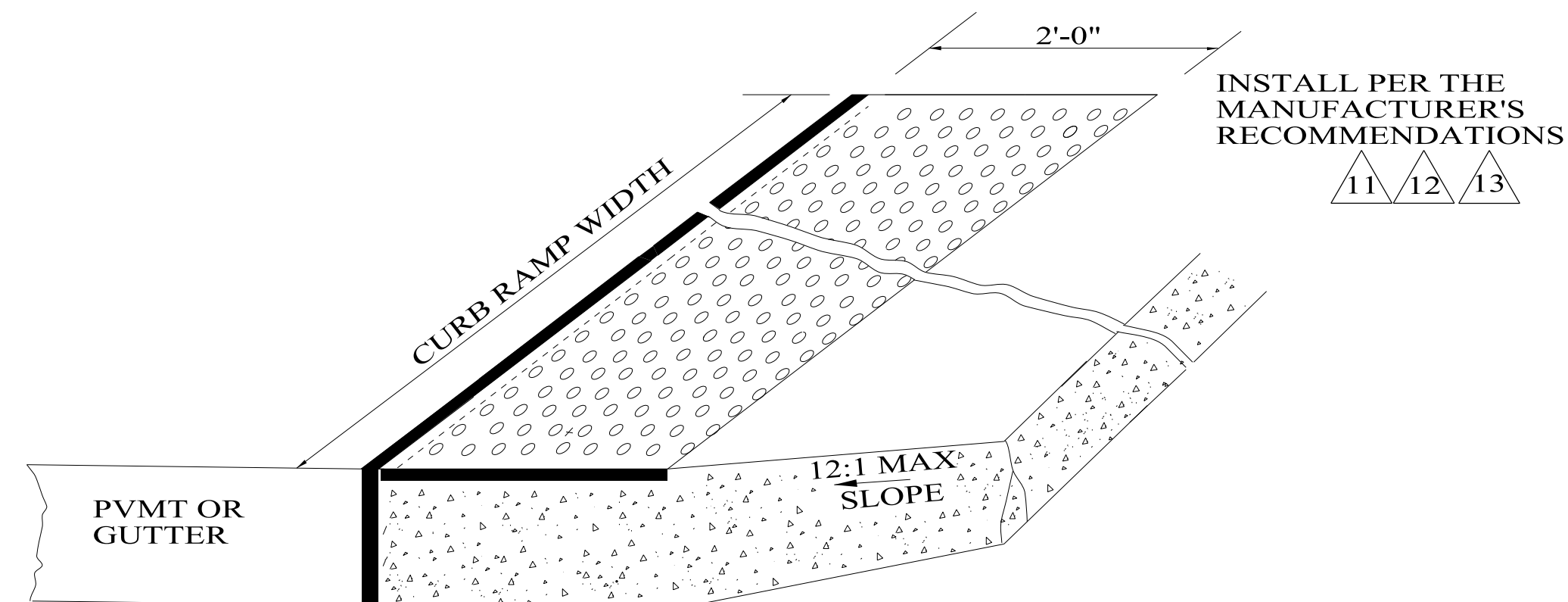
GUTTER SLOPE TRANSITIONS



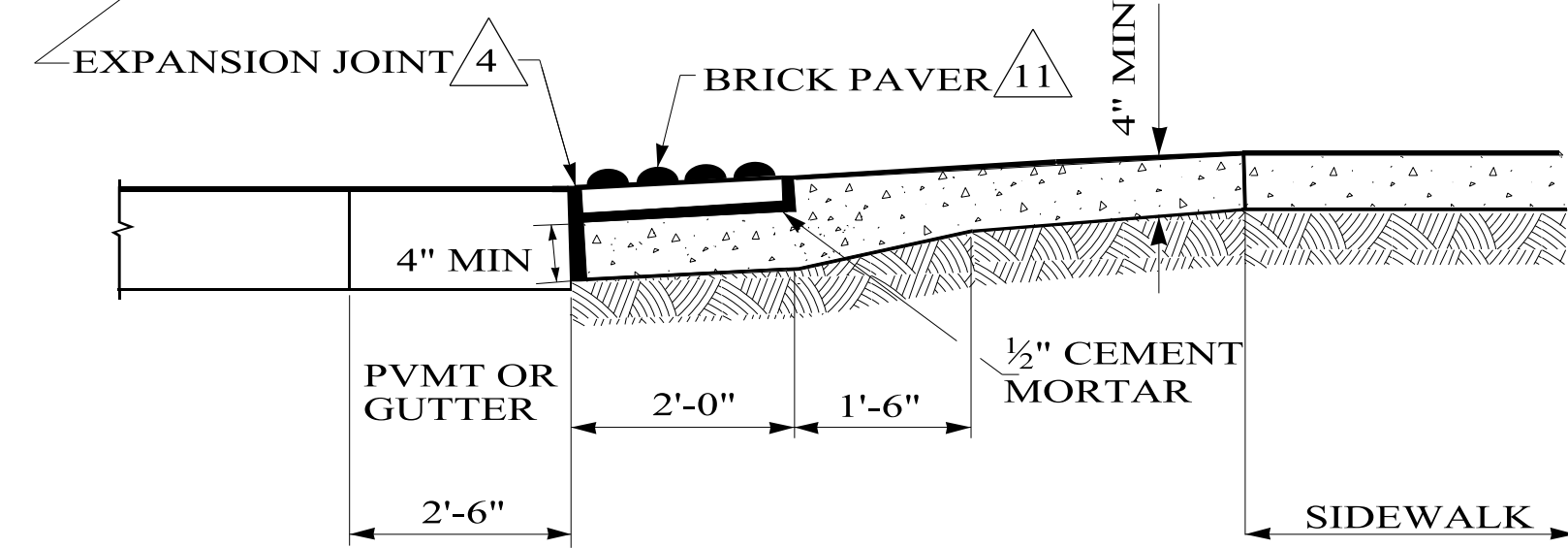
CHANGE OF GRADE LIMITATIONS

GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS:

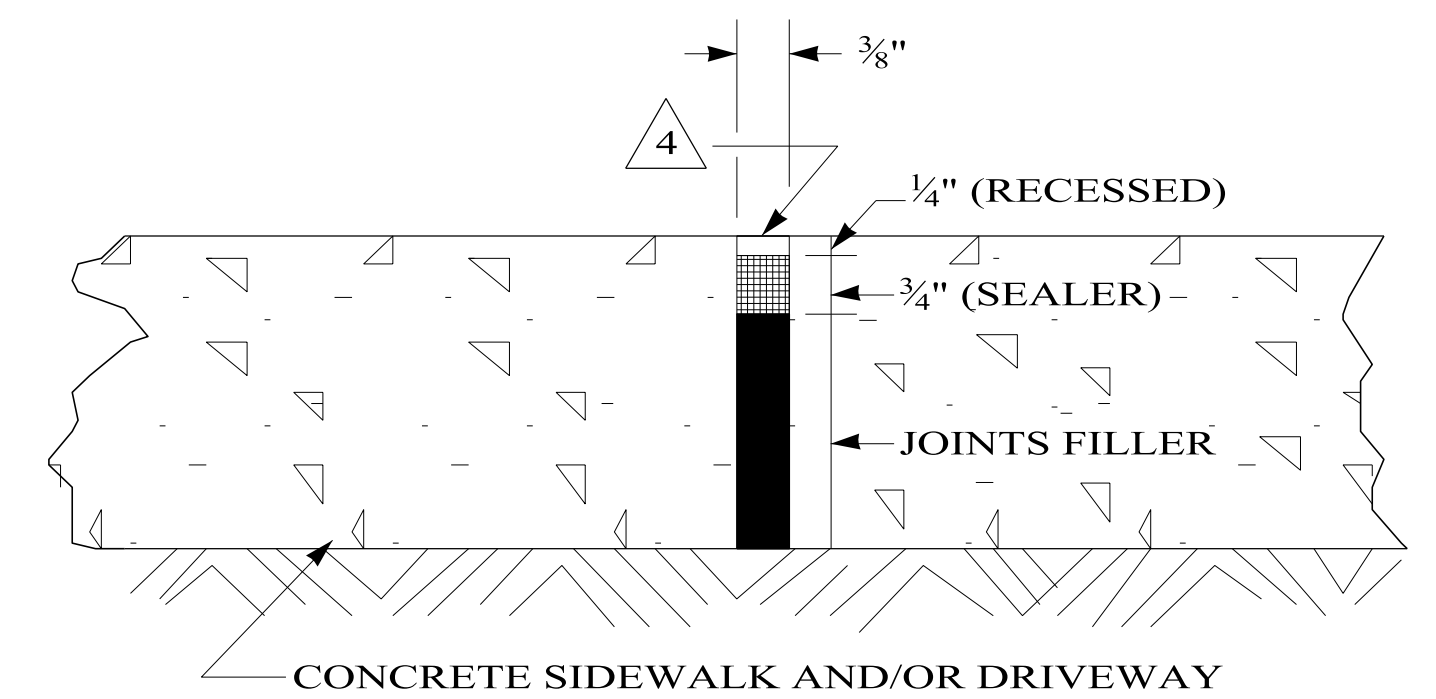
1. WHERE THE TURNING SPACE IS CONSTRAINED AT THE BACK-OF-SIDEWALK SUCH AS, A BUILDING ADJACENT TO THE SIDEWALK, THE TURNING SPACE SHALL BE 4'-0" MIN BY 5'-0" MIN. THE 5'-0" DIMENSION SHALL BE PROVIDED IN THE DIRECTION OF THE RAMP RUN.
2. SIDEWALK, RAMP, AND CURB RAMP SURFACES SHALL BE NON-SKID PREPARED BY BRUSHING.
3. 2% (50:1) OR LESS IS CONSIDERED FLAT.
- $\triangle 4$ INSTALL EXPANSION JOINT MATERIAL WHERE NEW CONSTRUCTION MEETS EXISTING SIDEWALKS, CURBS, GUTTERS, OR FOUNDATIONS. THE CONSTRUCTION JOINT MATERIAL SHALL MEET THE REQUIREMENT OF SECTION 832.01 AND SEALED IN ACCORDANCE WITH SECTION 832.02.
5. THE SUBGRADE SHALL BE FREE OF ALL ROOTS AND OTHER UNDESIRABLE MATERIALS WITH THE ROOTS CUT BACK ONE (1) FOOT FROM FACE OF SIDEWALK.
6. SIDEWALKS, RAMPS, LANDINGS, AND CURB RAMPS SHALL BE FOUR (4) INCHES THICK UNLESS NOTED OTHERWISE.
7. RAMP AND CURB RAMP GRADE(SLOPE IN THE DIRECTION OF PEDESTRIAN TRAVEL) SHALL NOT EXCEED 8.3% (12:1).
- $\triangle 8$ GUTTER SLOPE SHALL NOT EXCEED 8.3% (12:1). THIS APPLIES WHETHER OR NOT GUTTERS ARE DEPECTED IN THE EXAMPLES.
- $\triangle 9$ WITHIN THE STREET OR HIGHWAY RIGHT-OF-WAY, THE GRADE OF THE PEDESTRIAN ACCESS ROUTES SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET OR HIGHWAY. WHERE PEDESTRIAN ACCESS ROUTES ARE NOT CONTAINED WITHIN A STREET OR HIGHWAY RIGHT-OF-WAY, THEY SHALL HAVE A MAXIMUM SLOPE OF 20:1 (5.0%).
- $\triangle 10$ PROVIDE A TWO (2) FEET MINIMUM TRANSITION STRIP IF ALGEBRAIC DIFFERENCES BETWEEN ROADWAY SLOPE AND CURB RAMP SLOPE ARE GREATER THAN 9:1 (11.0%). TRANSITION STRIP SHALL NOT EXCEED 2.0% (50:1).
- $\triangle 11$ DETECTABLE WARNING SURFACES MUST BE TWO (2) FEET IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP. THE DETECTABLE WARNING MATERIAL AND MANUFACTURER SHALL BE FROM THE ALABAMA DEPARTMENT OF TRANSPORTATION LIST OF QUALIFIED MATERIAL, SOURCES, AND DEVICES. THE COLOR SHALL BE BRICK RED OR A COLOR APPROVED BY THE ENGINEER THAT SHALL CONTRAST THE SURROUNDING SURFACES LIGHT-ON-DARK OR DARK-ON-LIGHT.
- $\triangle 12$ VERTICAL SURFACE DISCONTINUITIES SHALL BE 0.50 INCH MAXIMUM. VERTICAL SURFACE DISCONTINUITIES BETWEEN 0.25 AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN 2:1 (50.0%).
- $\triangle 13$ DOMES SHALL BE PARALLEL TO THE RAMP SO THAT THE WHEELCHAIR WHEELS CAN TRAVEL BETWEEN THE DOMES. (WHERE POSSIBLE ON CURVED INSTALLATIONS.)
- $\triangle 14$ THESE MAXIMUM SLOPES SHALL NOT BE EXCEEDED.
- $\triangle 15$ TO PREVENT STANDING WATER AT THE BASE OF CURB RAMPS, LOCATE STORM DRAIN INLETS UPSTREAM.
16. IF A 4 FOOT SIDEWALK IS REQUIRED, THEN A 5 FOOT X 5 FOOT PASSING ZONE SHALL BE CONSTRUCTED EVERY 200 FEET.
17. IF THE SIDEWALK IS ADJACENT TO THE CURB, THE WIDTH SHOULD BE 6 FOOT; 5 FOOT MINIMUM IF ROW CONSTRAINTS EXIST.



PREFABRICATED MAT OPTION (INLAID)



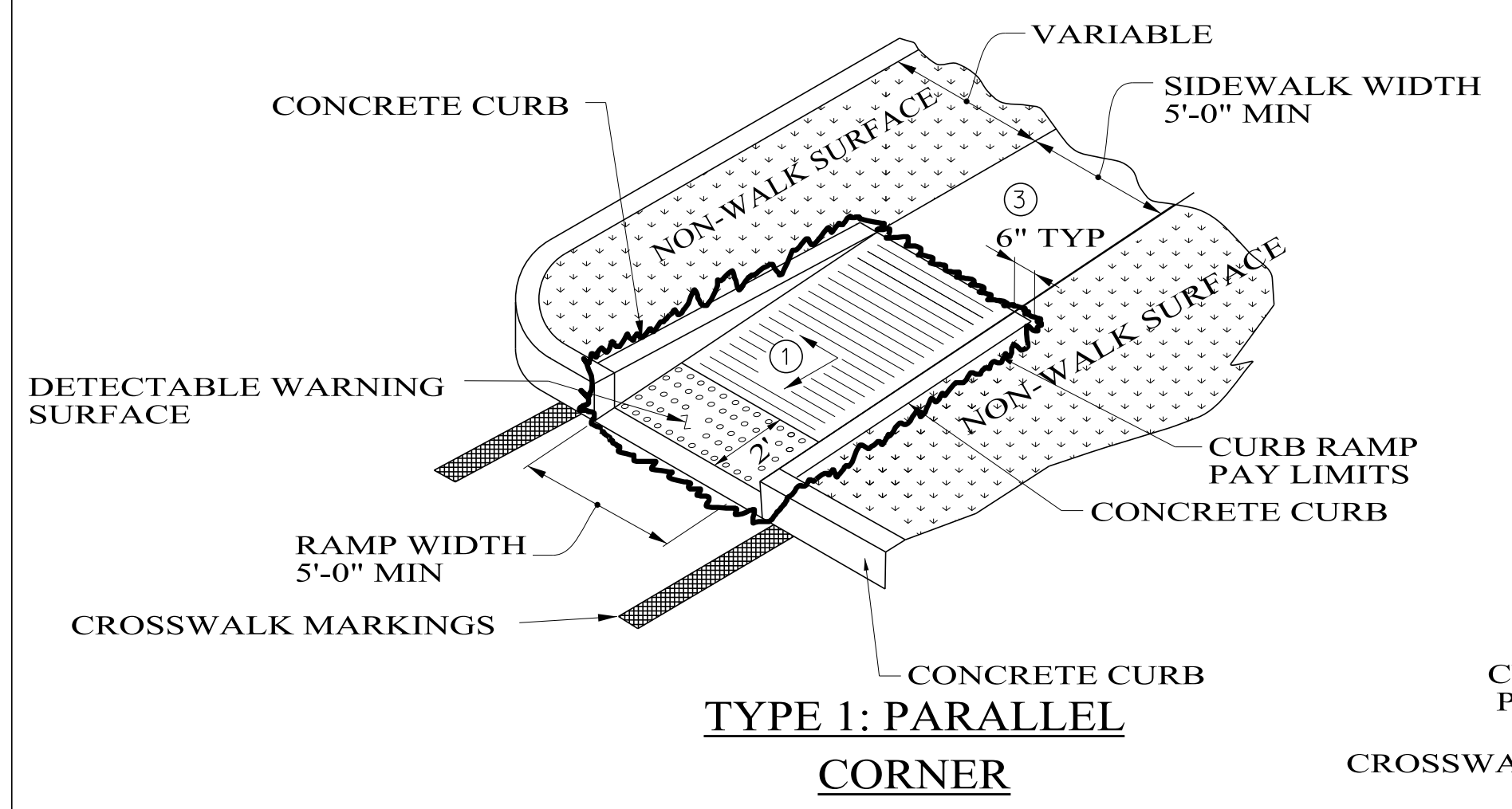
BRICK PAVER OPTION



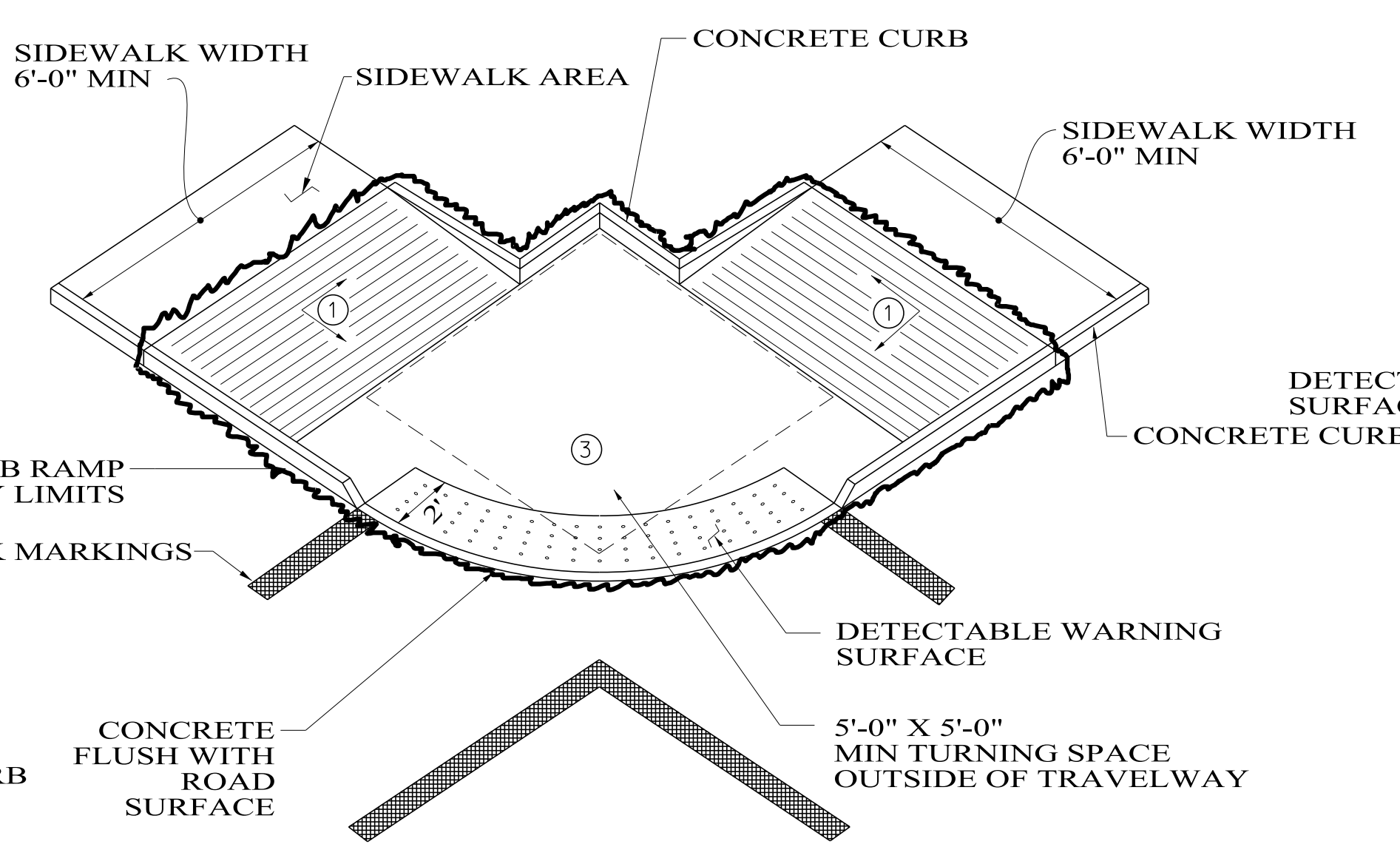
EXPANSION JOINT DETAILS

NOT TO SCALE

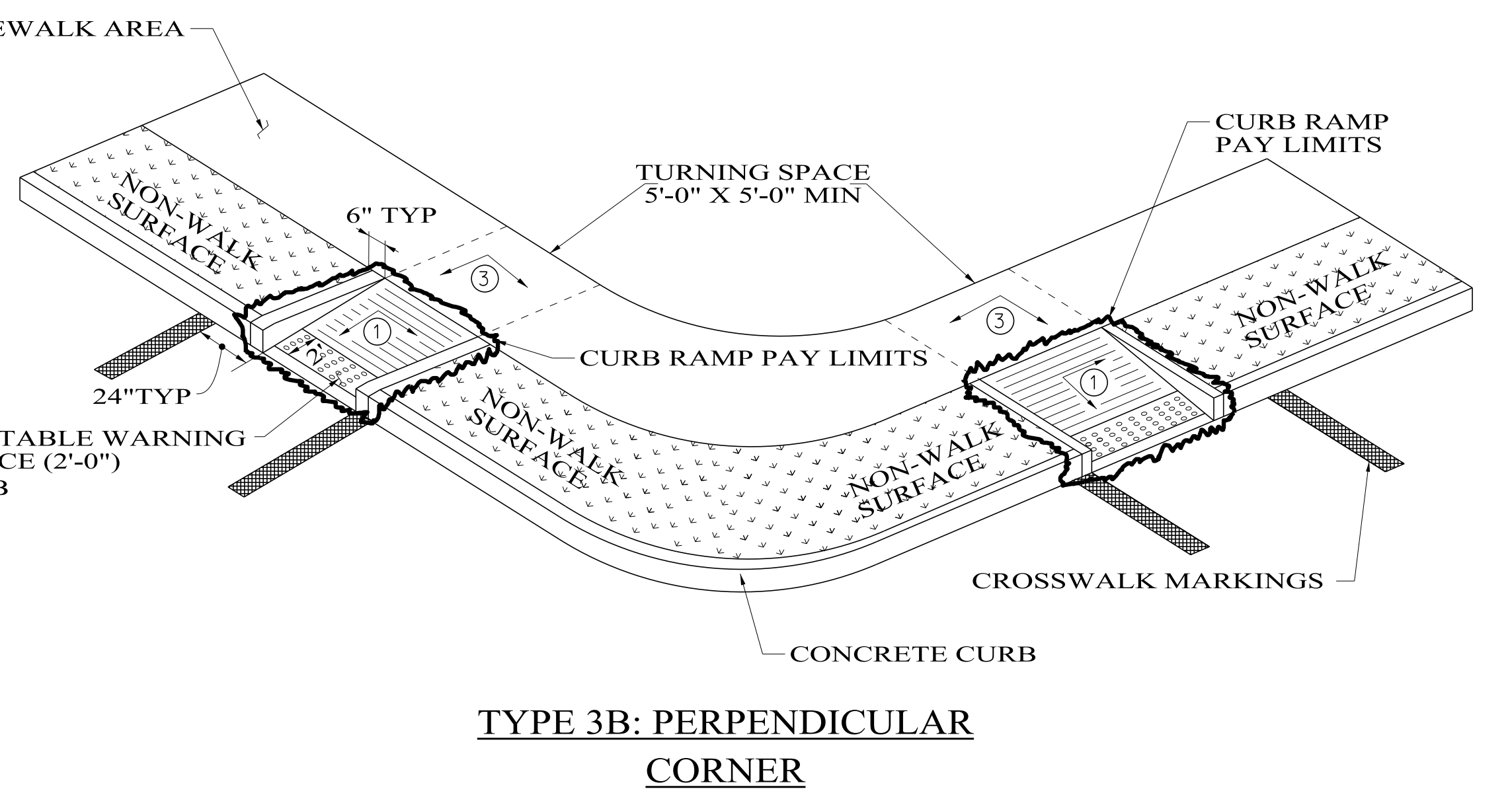
--SPECIFICATIONS--	
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	
SPECIAL DRAWING NO	INDEX NO
SW-618 (SHEET 1 OF 4)	61801



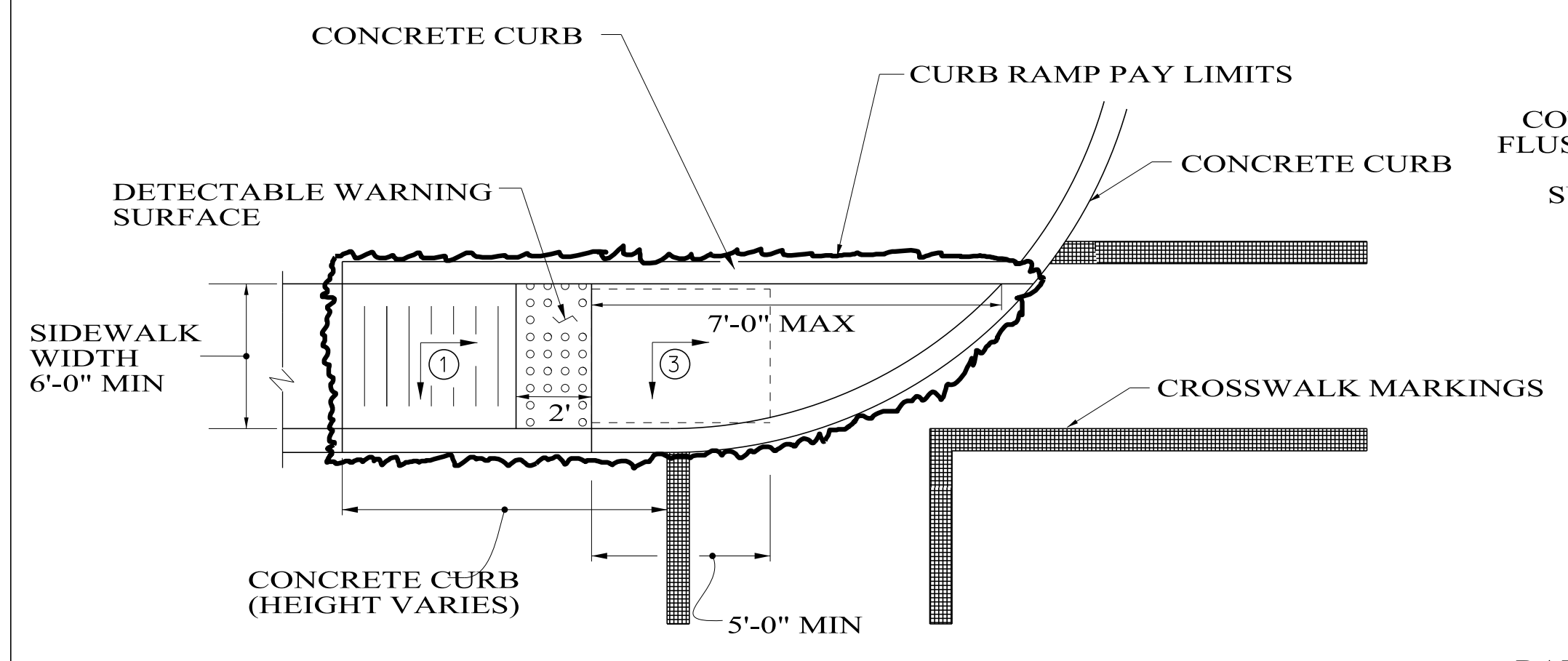
TYPE 1: PARALLEL CORNER



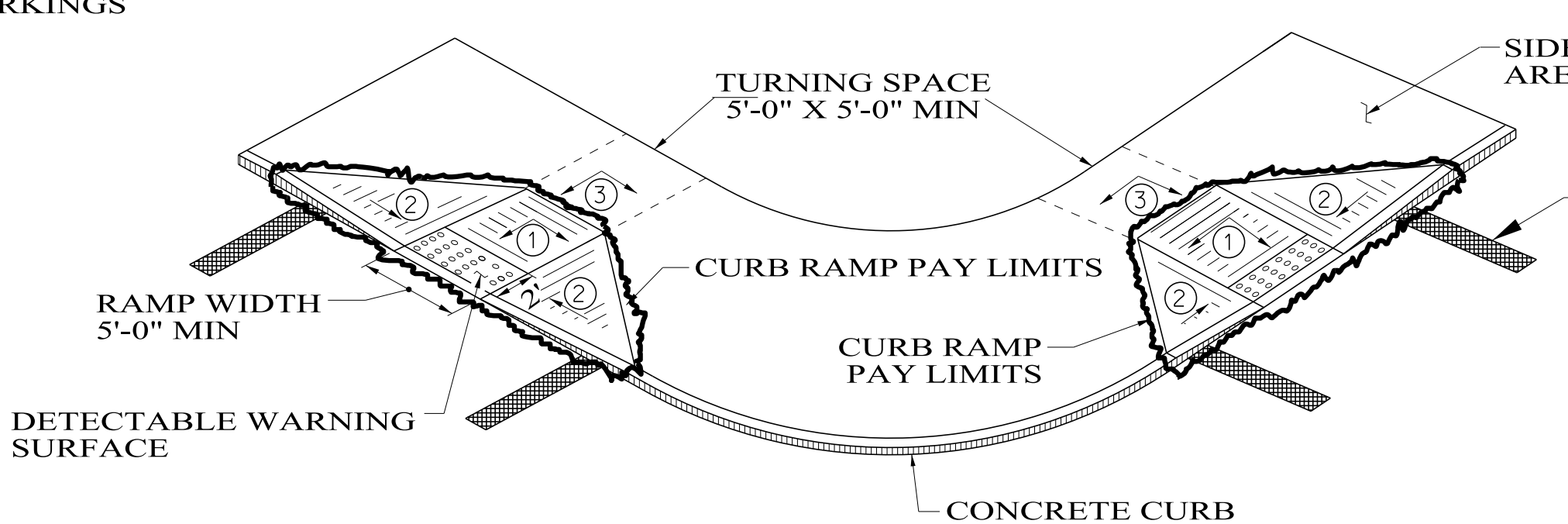
TYPE 2: BLENDED CORNER



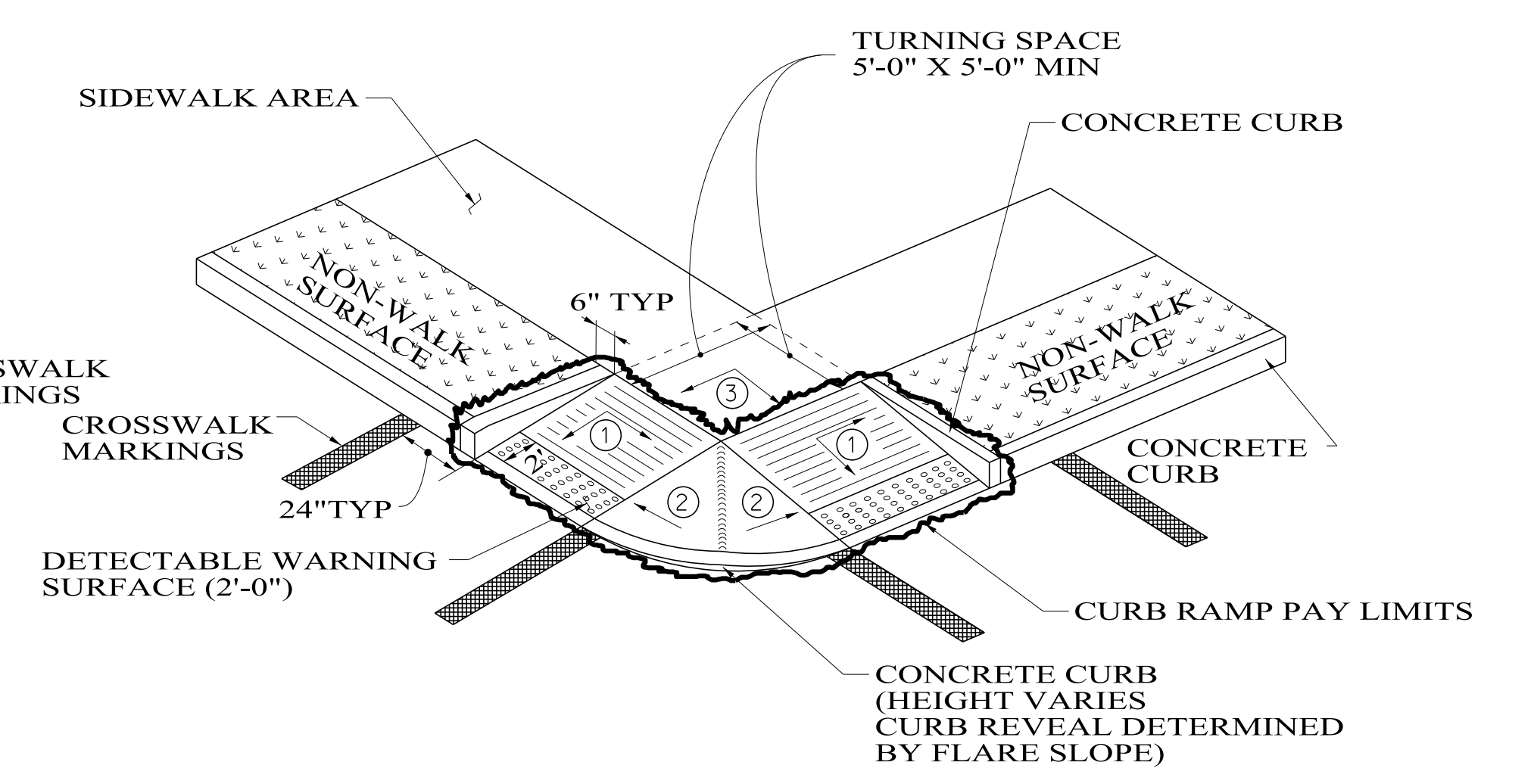
TYPE 3B: PERPENDICULAR CORNER



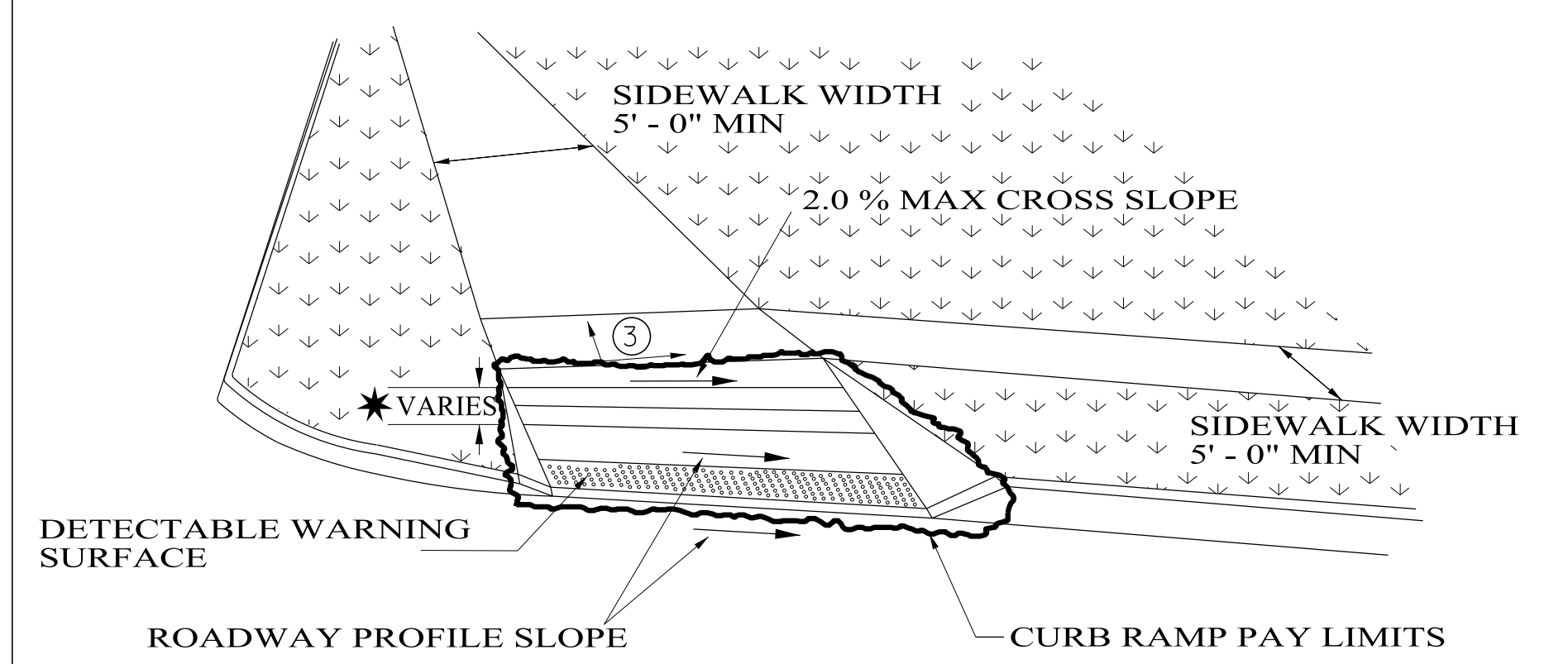
TYPE 1A: PARALLEL CORNER



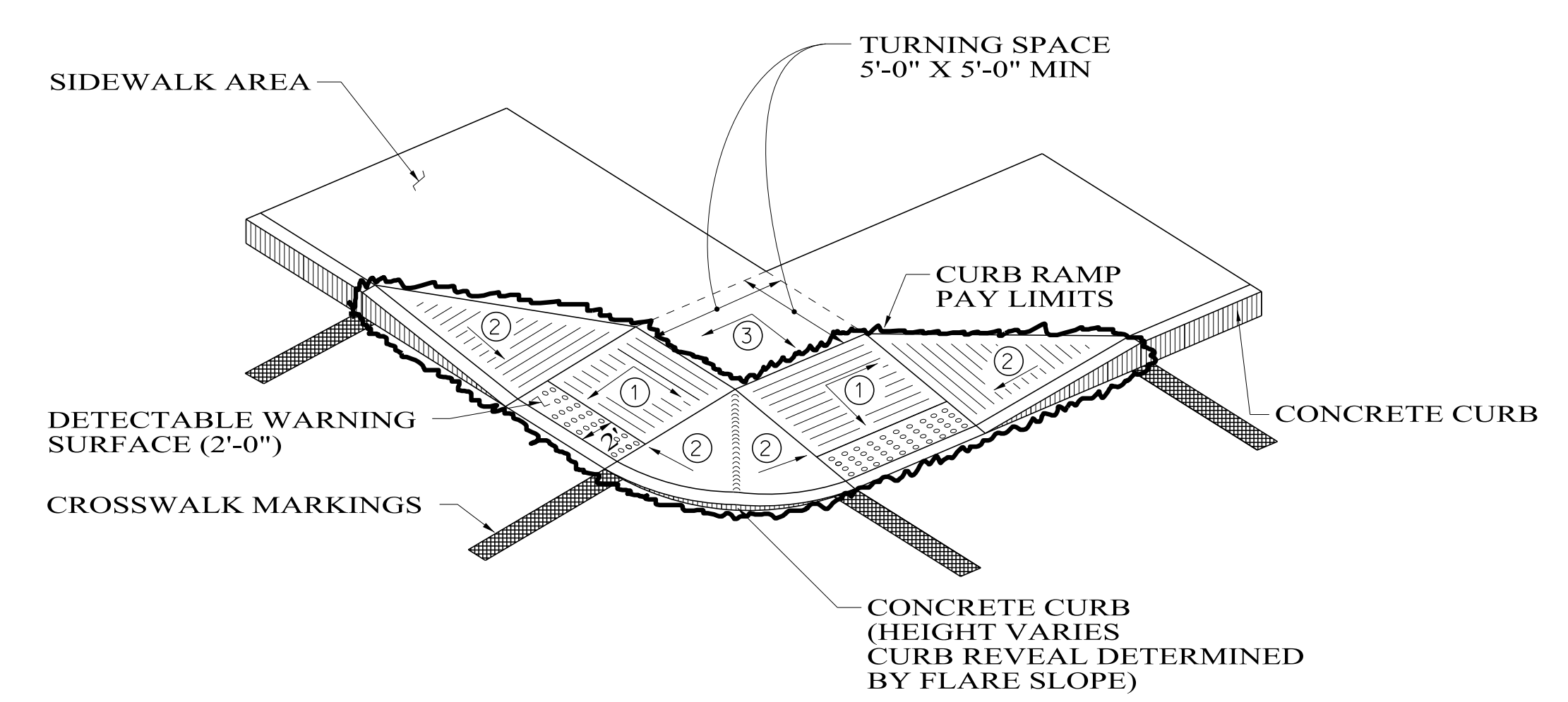
TYPE 3: PERPENDICULAR CORNER



TYPE 3C: PERPENDICULAR CORNER



TYPE 1B: PARALLEL CORNER WITH SIDE ROAD SLOPE



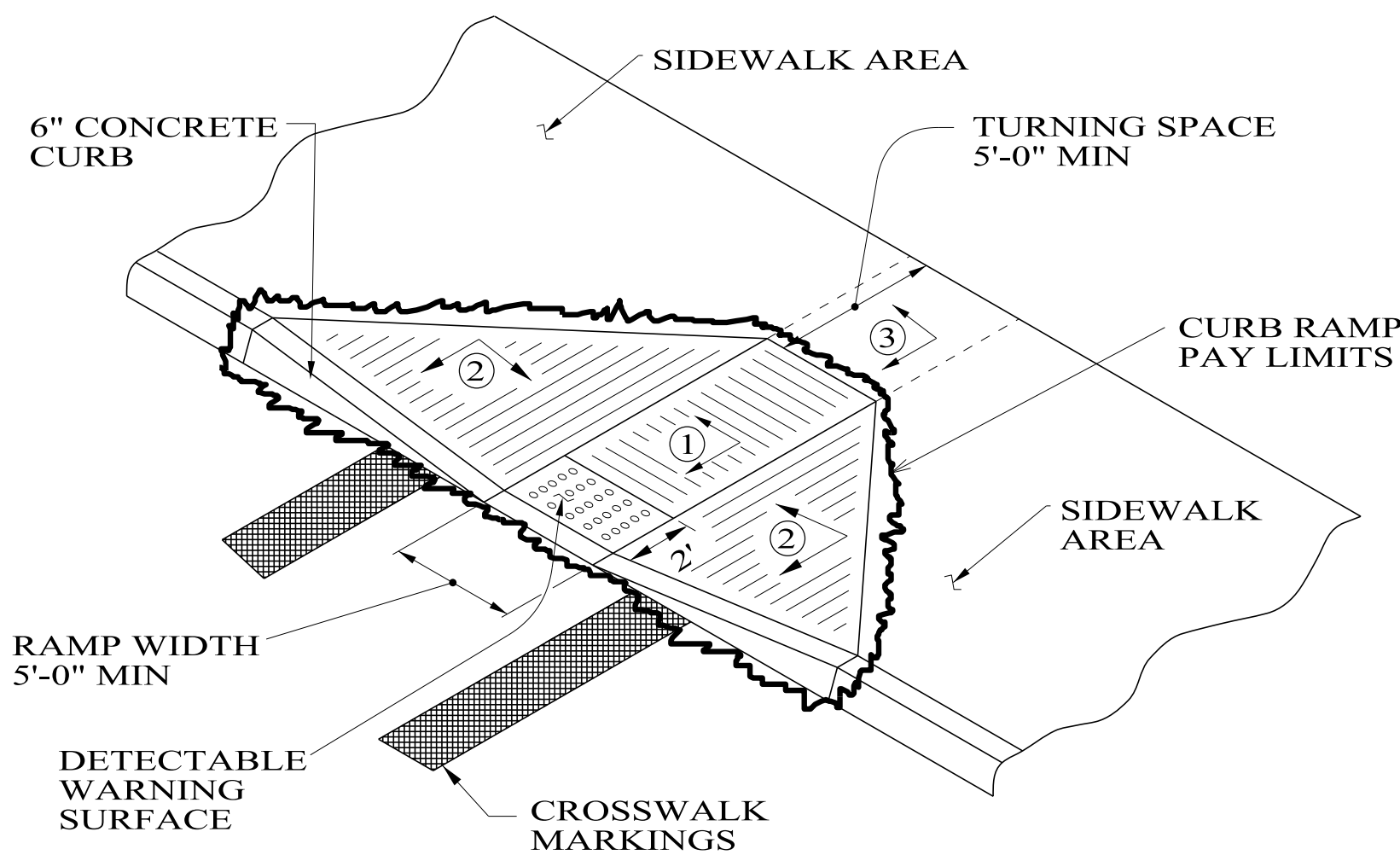
TYPE 3A: PERPENDICULAR CORNER

• SEE SHEET 1 OF 4 FOR DETAIL CALL OUTS ①②③
 • SEE SHEET 1 OF 4 FOR GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS.

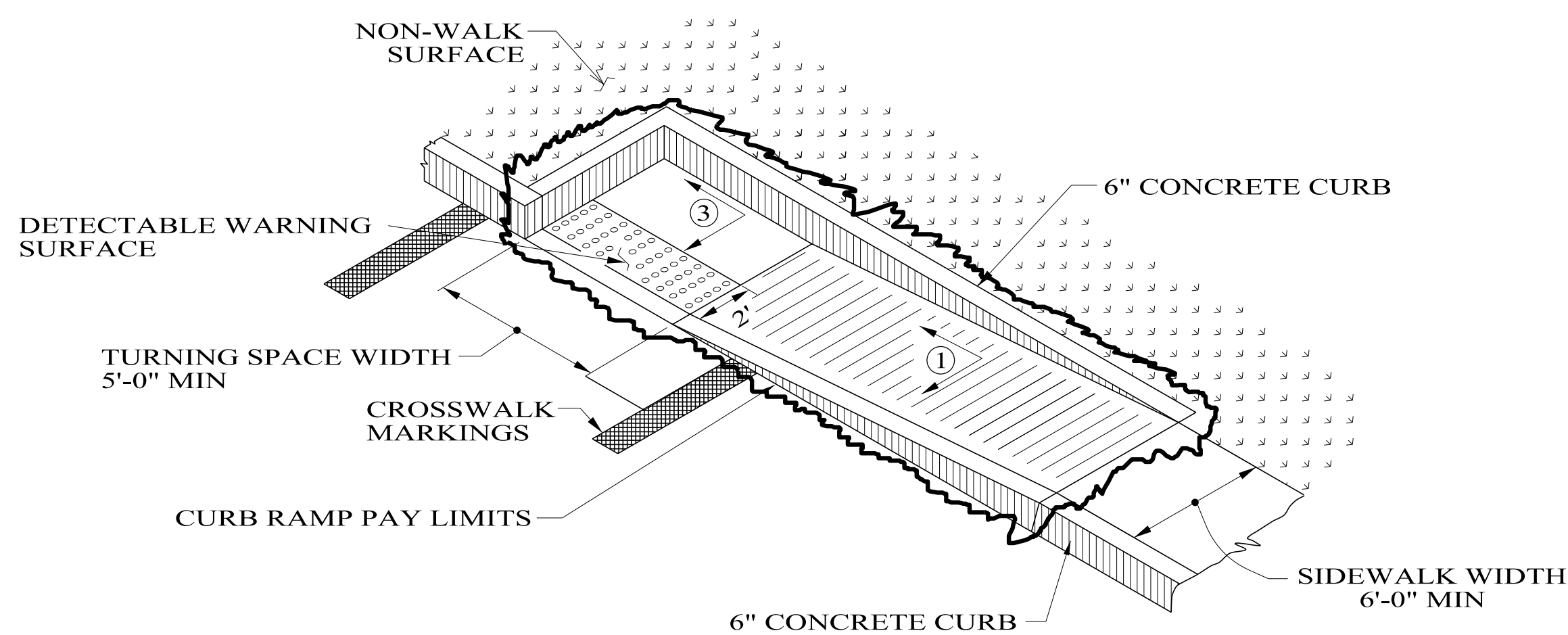
* TRANSITION CURB RAMP CROSS SLOPE IN THIS AREA TO MATCH THE ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3.00% CHANGE IN CROSS SLOPE PER 1' - 0" LONGITUDINAL DISTANCE ALONG CURB RAMP WHEN TRANSITIONING TO ROADWAY PROFILE. THIS AREA MAY NEED TO BE LENGTHENED TO ACCOMMODATE AN ACCEPTABLE TRANSITION.

COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE OR USE 1' - 0" DETECTABLE WARNING SURFACE WIDTH.

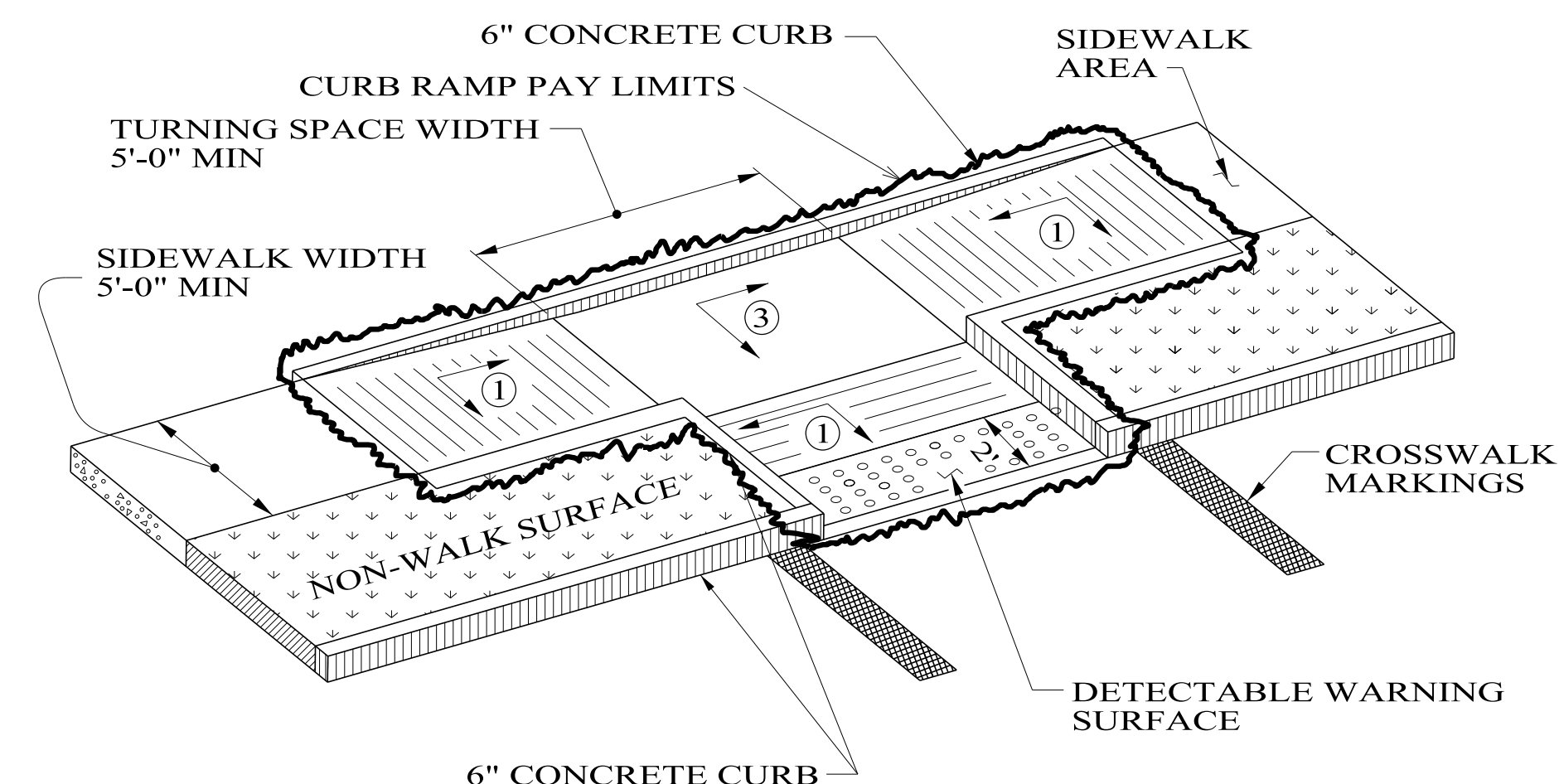
CONSTRUCT DEPRESSED CURB SLOPE TO MATCH ROADWAY PROFILE.



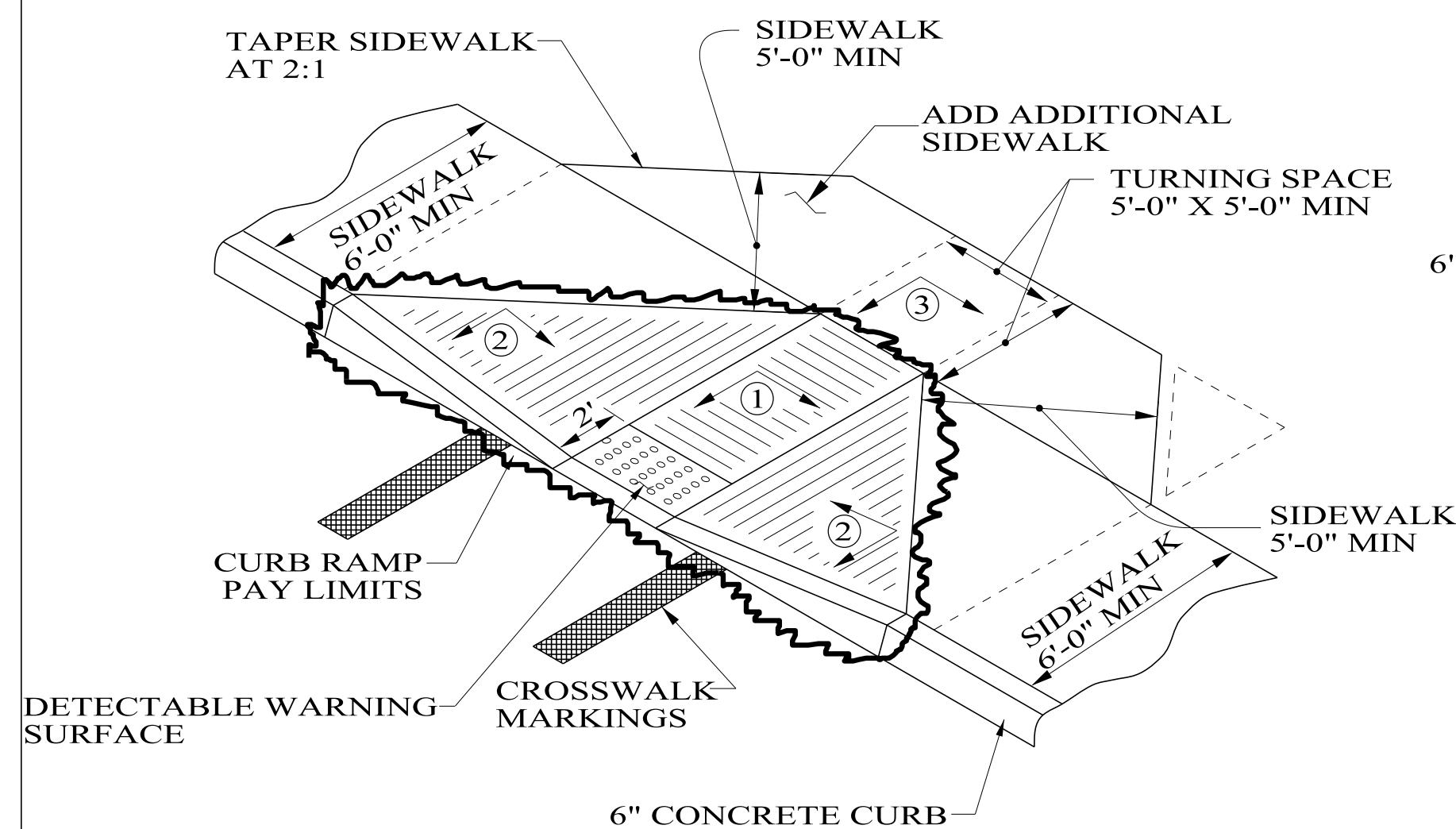
**TYPE 1: PERPENDICULAR
MIDBLOCK**



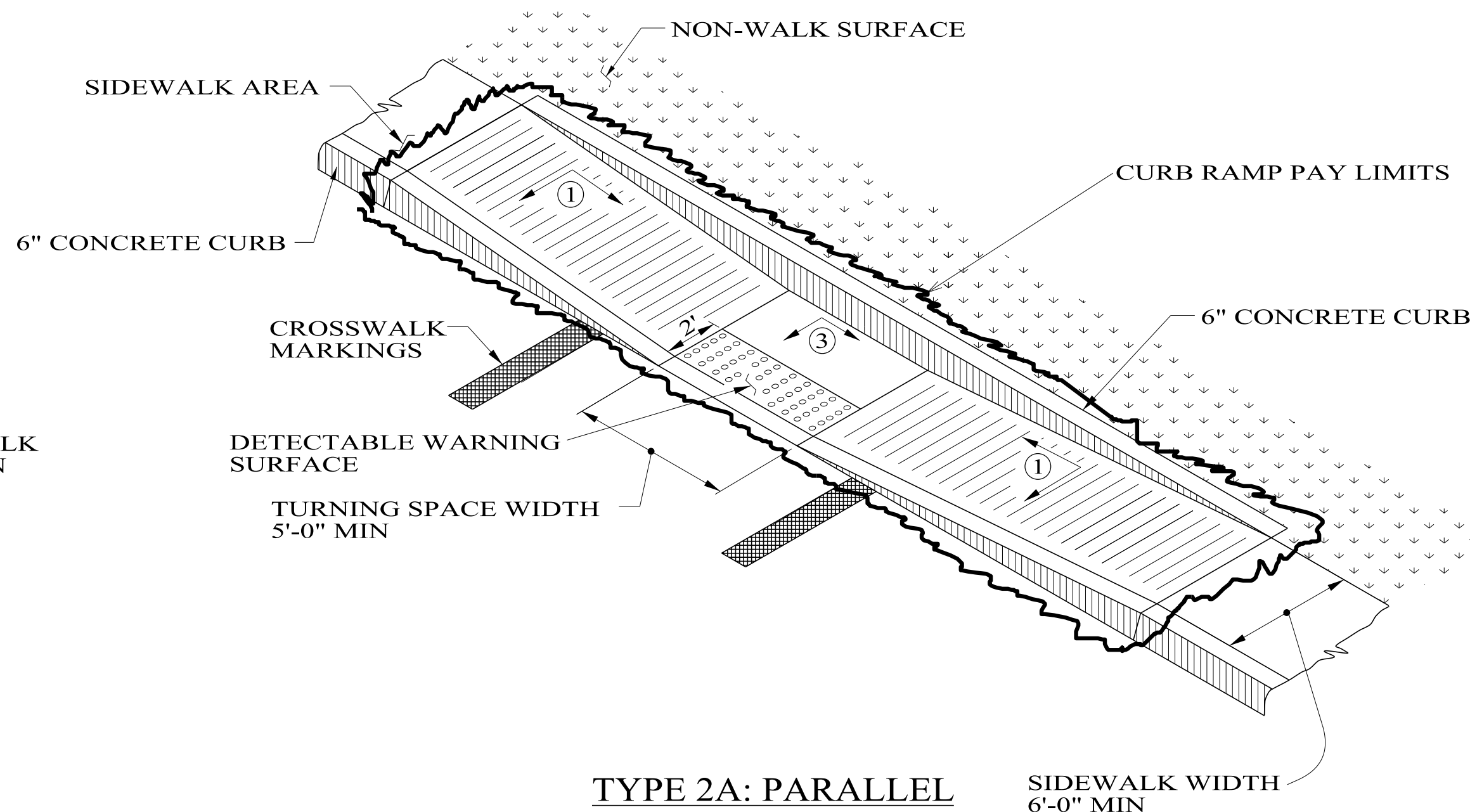
**TYPE 2: PARALLEL
MIDBLOCK**



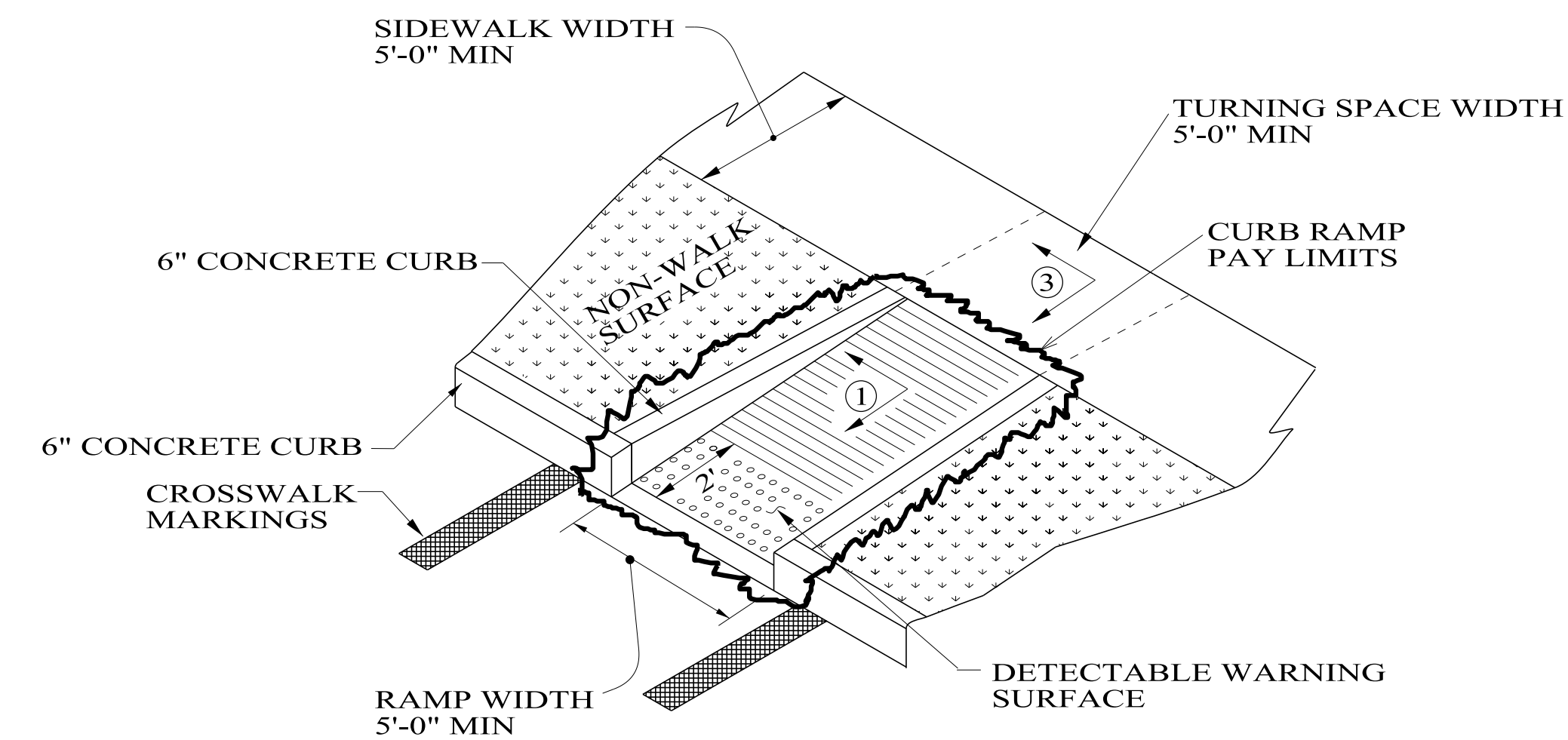
**TYPE 3: COMBINATION
MIDBLOCK**



**TYPE 1A: PERPENDICULAR
MIDBLOCK**

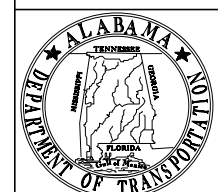


**TYPE 2A: PARALLEL
MIDBLOCK**



**TYPE 4: PERPENDICULAR
MIDBLOCK**

SEE SHEET 1 OF 4 FOR DETAIL CALL OUTS ①, ②, ③
SEE SHEET 1 OF 4 FOR GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS.



**ALABAMA DEPARTMENT
OF TRANSPORTATION**
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

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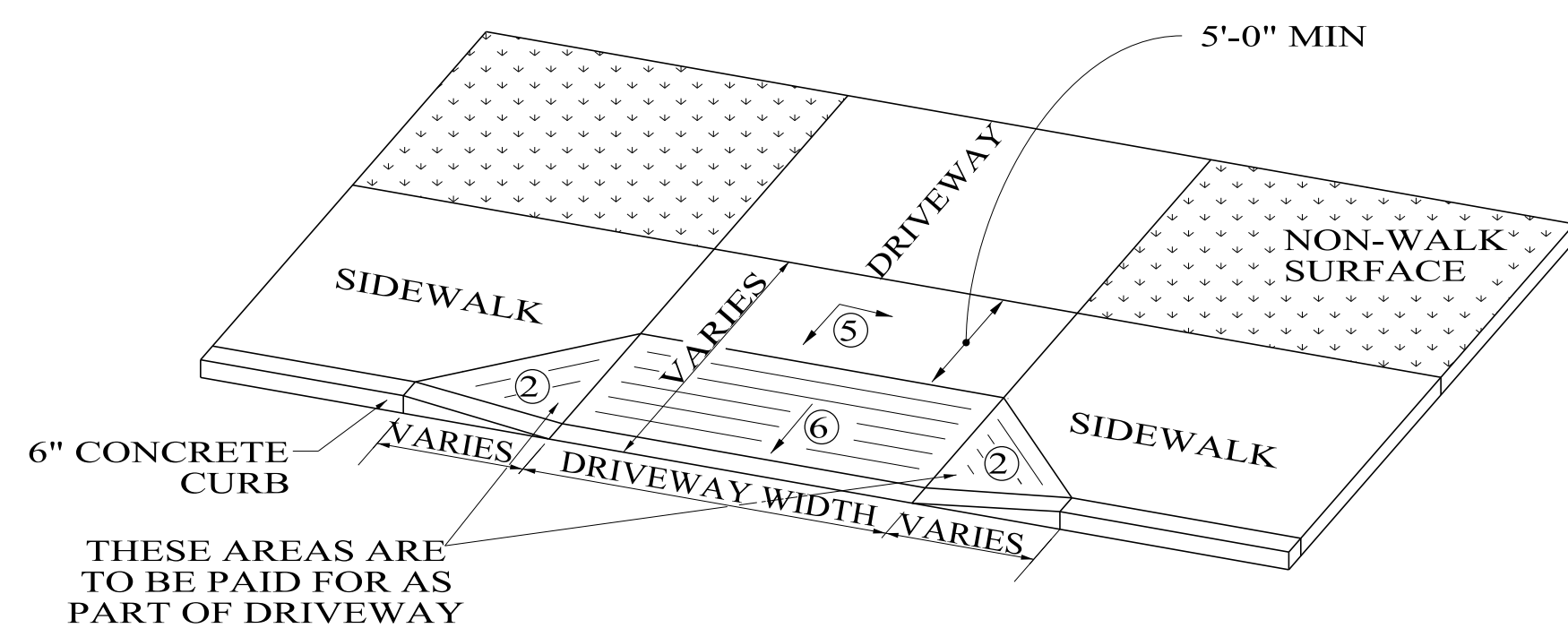
REVISIONS:
1. Revised sidewalk width to 5' min and 6' min along curb on 10-25-2018 by G.L.D.
2. Identified curb ramp pay limits and cleaned up misc callouts and labels on 8-22-2019 by D.J.W.
3. Adjusted spacing of crosswalk markings on 6-10-2020 by J.F.T.

Bureau Std Engr: D.J.W.
DRAWN BY: _____
DATE DRAWN: _____
REVISED DATE: 6-10-2020

DESIGN BUREAU SPECIAL DRAWING
MIDBLOCK CURB RAMPS

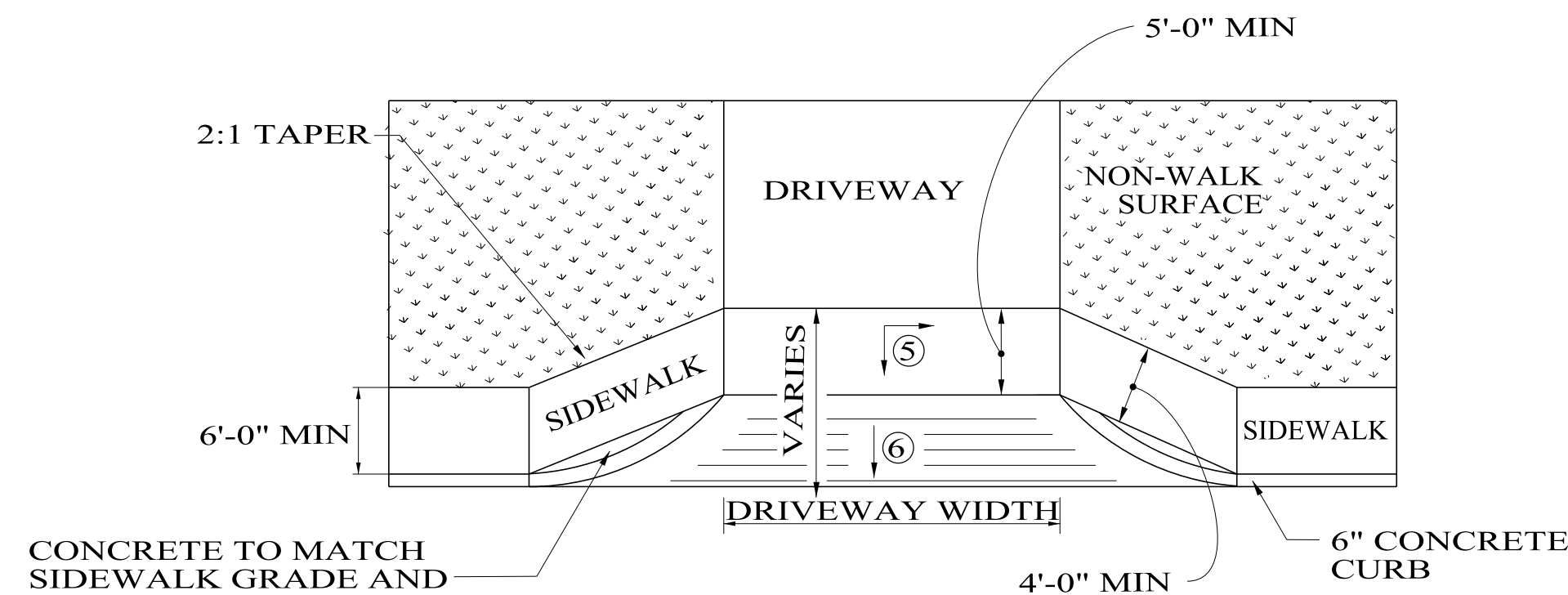
NOT TO SCALE

--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION	
SPECIAL DRAWING NO SW-618 (SHEET 3 OF 4)	INDEX NO 61803



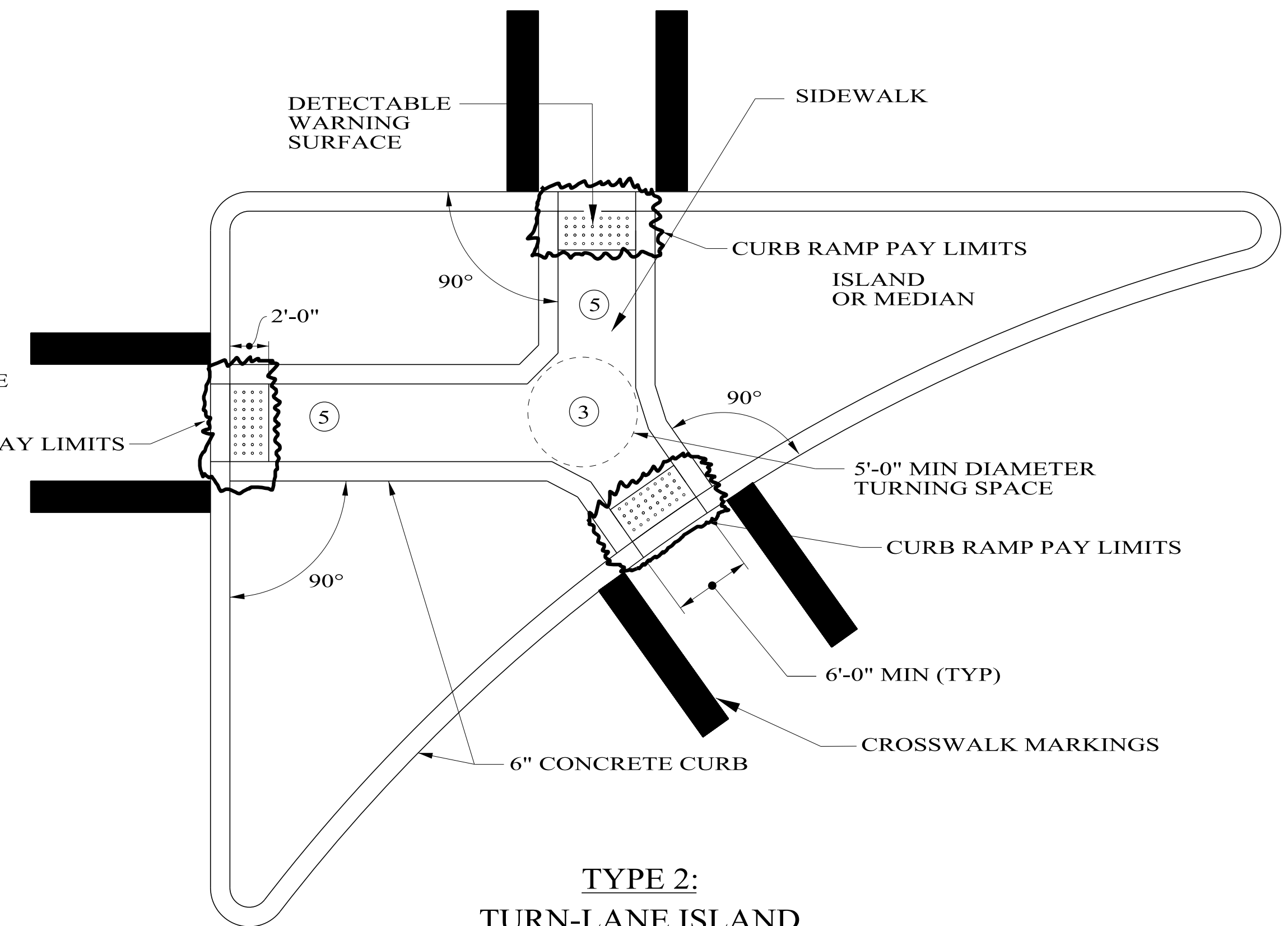
TYPE 1: DRIVEWAY CROSSING

(NOTE: DRIVEWAY AND SIDEWALK SURFACES AT SAME ELEVATION)

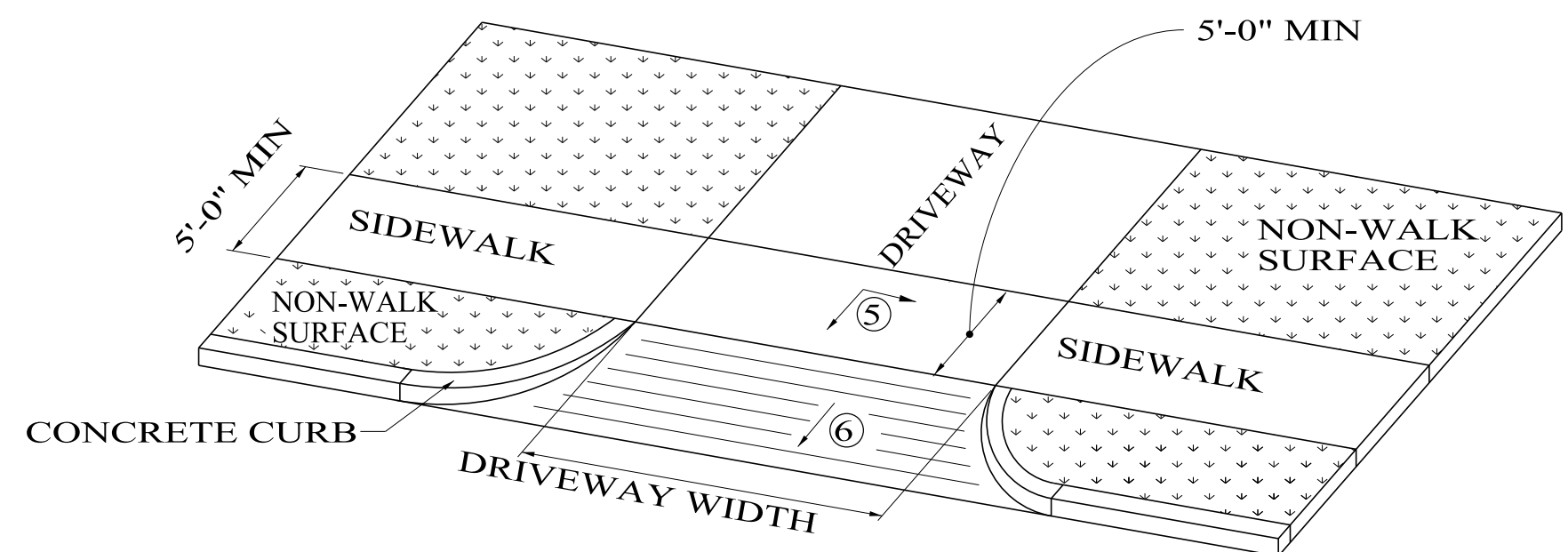


TYPE 4: DRIVEWAY CROSSING

(NOTE: DRIVEWAY AND SIDEWALK SURFACES AT SAME ELEVATION)

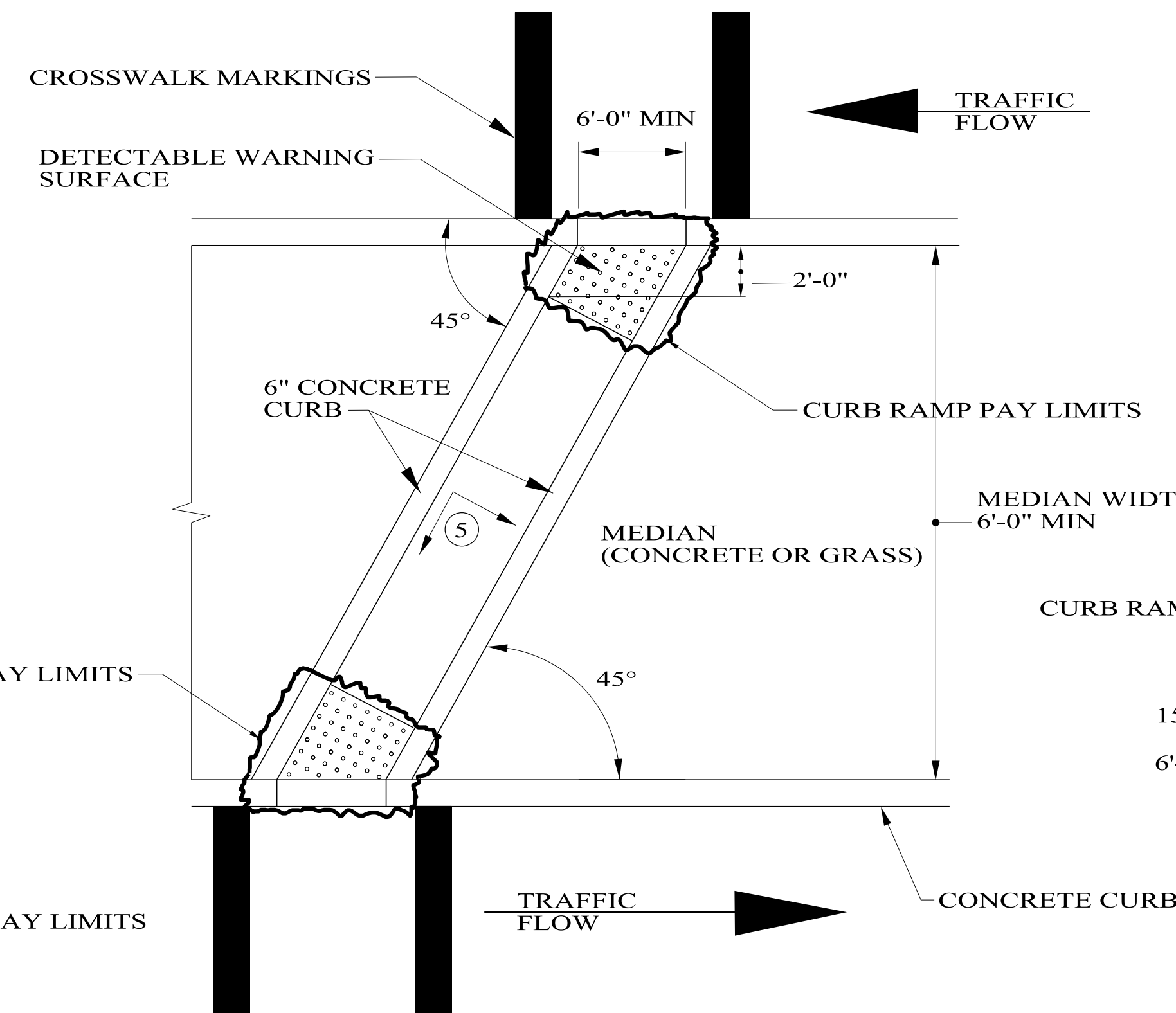


**TYPE 2:
TURN-LANE ISLAND
CUT-THROUGH OPENING**

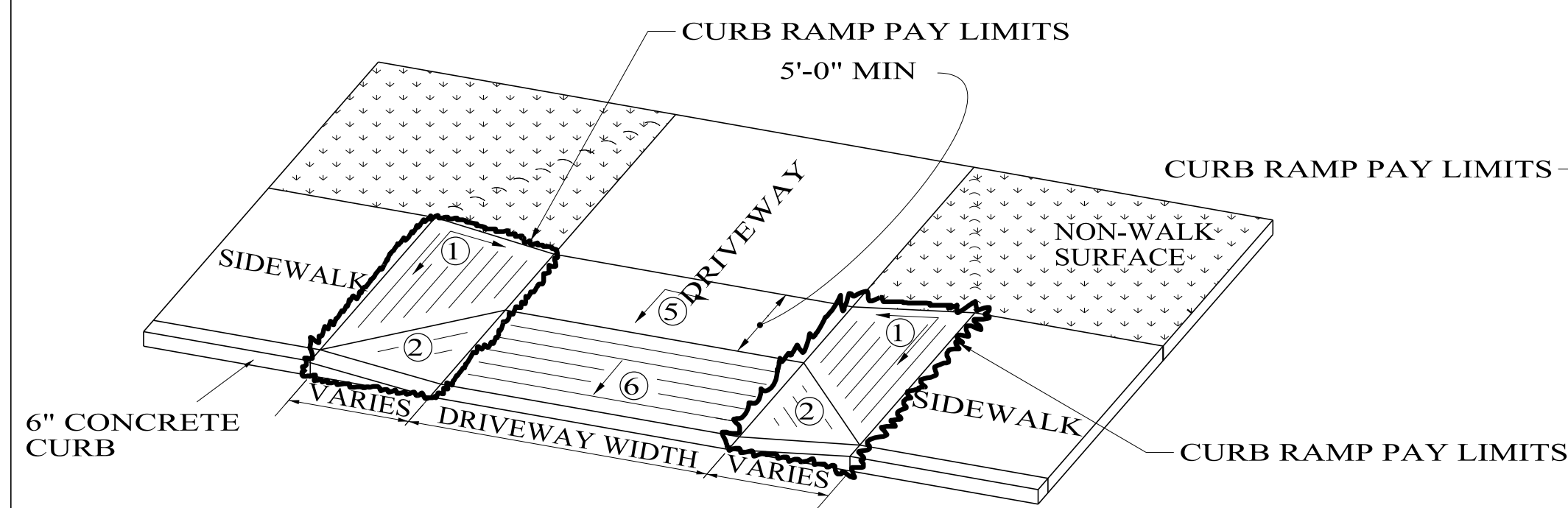


TYPE 2: DRIVEWAY CROSSING

(NOTE: DRIVEWAY AND SIDEWALK SURFACES AT SAME ELEVATION)

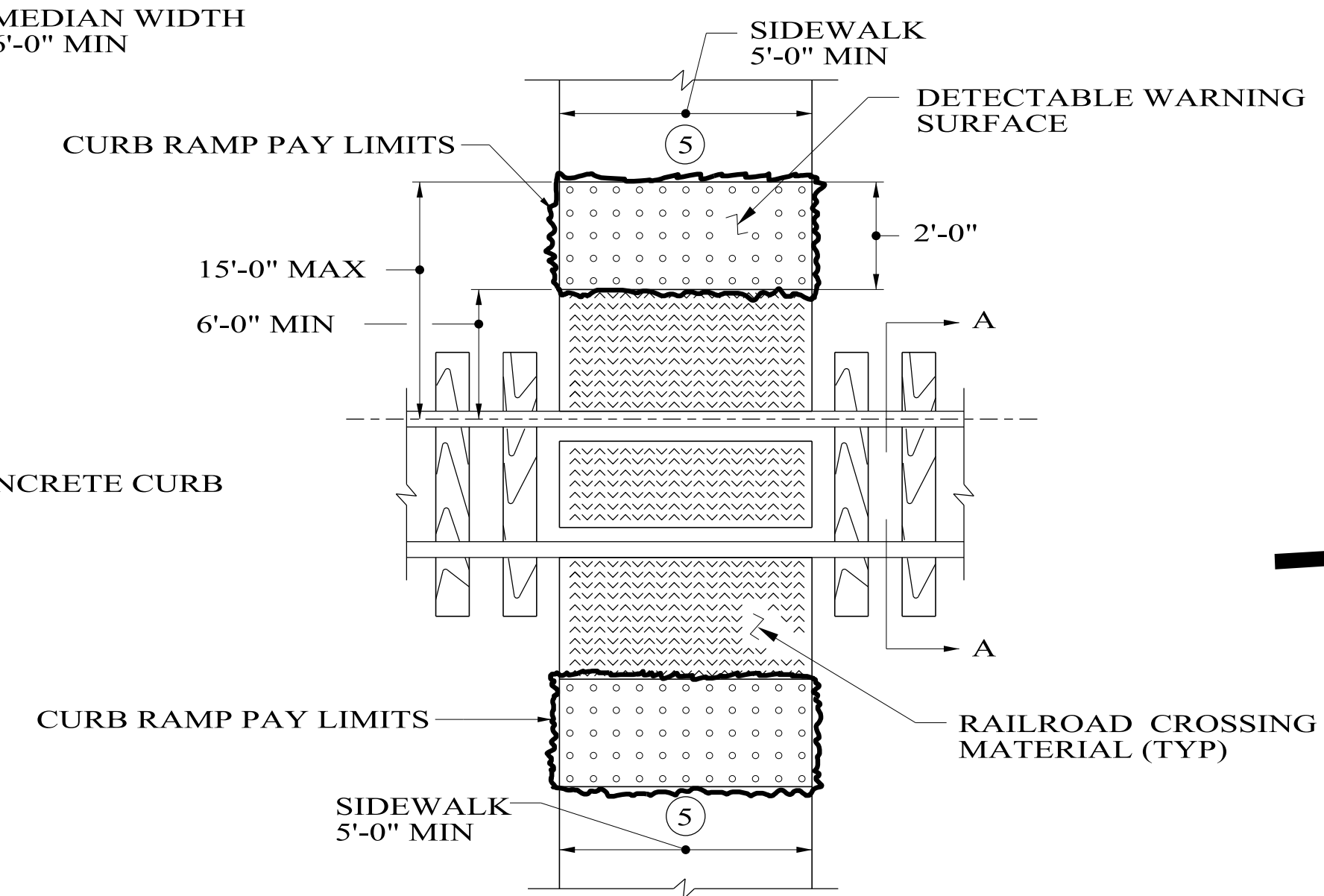


**TYPE 1:
MEDIAN OR ISLAND
CUT-THROUGH OPENING**



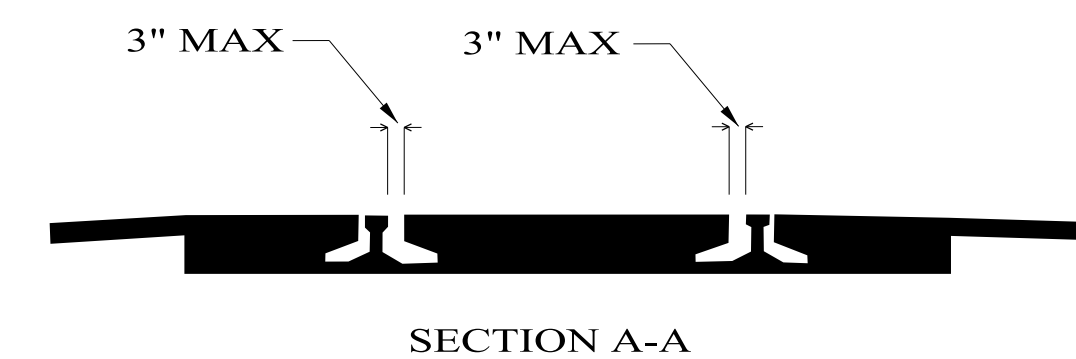
TYPE 3: DRIVEWAY CROSSING

(NOTE: DRIVEWAY SURFACE AT LOWER ELEVATION THAN SIDEWALK SURFACE)

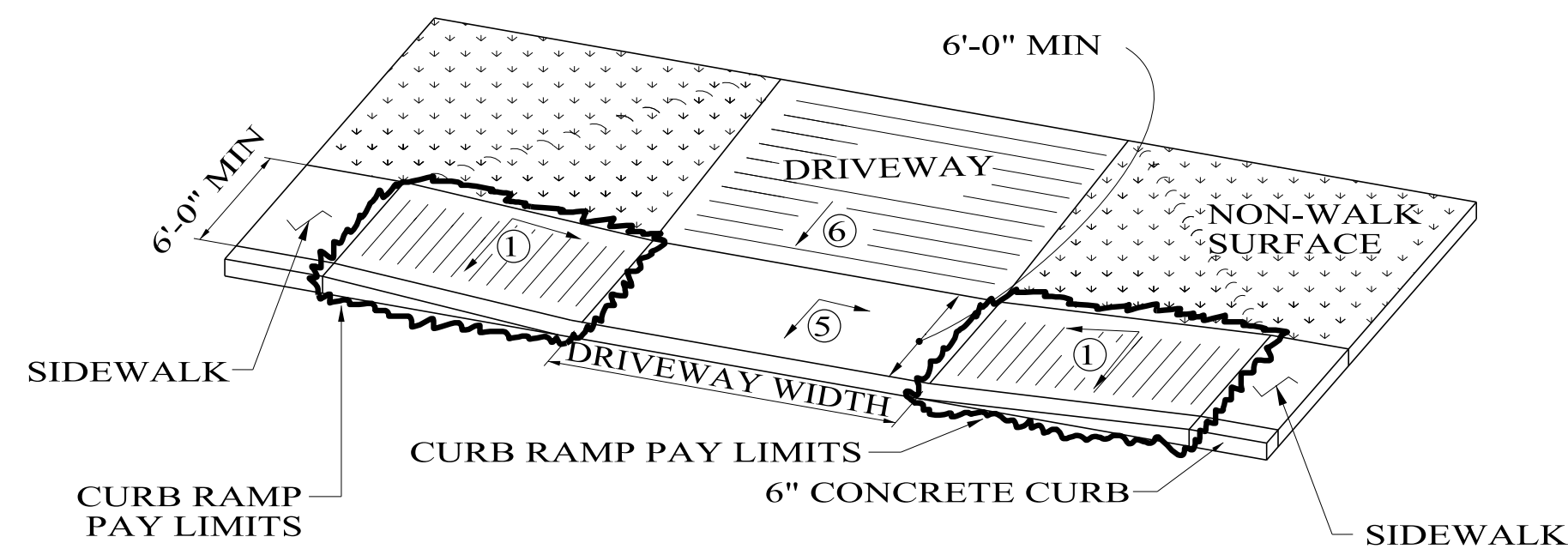


**TYPE 3:
RAILROAD CROSSING**

• SEE SHEET 1 OF 4 FOR DETAIL CALL OUTS ①, ②, ③, ⑤, ⑥
• SEE SHEET 1 OF 4 FOR GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS.



SECTION A-A



TYPE 3A: DRIVEWAY CROSSING

(NOTE: DRIVEWAY SURFACE AT LOWER ELEVATION THAN SIDEWALK SURFACE)

SECTION 02115
EROSION AND SEDIMENTATION CONTROLS

PART 1 GENERAL

- 1.01 Section Includes
 - A. Erosion and Sedimentation Controls.
 - B. Permitting requirements.
- 1.02 Related Sections
 - A. Applicable to Work of this Section are the Drawings and General Provisions of the Contract.
 - B. Construction Best Management Practices Plan (CBMPP).
- 1.03 References
 - A. Alabama Hand Book for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas – Volumes 1 and 2.
 - B. Alabama Department of Environmental Management General Permit.
 - C. All applicable local ordinances.
- 1.04 Coordination
 - A. Coordinate Work with all land disturbance activities.
- 1.05 Regulatory Requirements
 - A. Conform to applicable local, state and federal requirements.
 - B. Obtain all required local, state and federal permits.
- 1.06 Project Record Documents
 - A. Maintain all records required by the CBMPP.
- 1.07 Scheduling
 - A. Schedule Work as appropriate to precede all excavation work and new construction.

PART 2 PRODUCTS

- 2.01 Materials
 - A. Contractor shall utilize materials as required by the Plans and CBMPP, or as otherwise determined by the Contractor to be necessary to prevent erosion and release of sediment.
 - B. Ensure that all materials and meet the requirements of the appropriate agency.

- C. The following materials (not inclusive) may be used as part of the erosion and sedimentation controls:
1. Aggregate or Riprap.
 2. Sediment Barrier (Silt Fence).
 3. Wattles.
 4. Floating Turbidity Barrier.
 5. Flocculant.
 6. Seed.
 7. Mulch.
 8. Erosion Control Blankets.
 9. Channel Stabiization.
 10. Topsoil.
 11. Concrete Washout Area.
 12. Sand Bags.

PART 3 EXECUTION

3.01 Examination

- A. The Contractor is advised that, during the construction of the project, all measures shall be taken as necessary to control erosion and downstream siltation due to stormwater run-off from the disturbed area or discharge water utilized in the construction project.

3.02 Preparation

- A. Temporary erosion and siltation control procedures utilized by the Contractor for the project may include temporary berms, dikes, sediment basins, drains, silt fences, rock filter check dams, erosion control netting, hay bales, sand bags or other control procedures as deemed necessary by the Engineer or Contractor.
- B. The Contractor is advised that the following erosion control procedures must be adhered to during construction of any stream crossings or adjacent to any natural streams in order to minimize erosion and siltation which may cause pollution of the steam or interfere with the existing natural flow:
1. The natural ground adjacent to the proposed pipeline and structures shall not be disturbed. Only that excavation as absolutely required for the installation of the pipeline and structures shall be permitted.
 2. The natural stream bed adjacent to the installation shall not be disturbed, except to the minimum extent as required for the construction of the project.
 3. No excavated material or debris shall be deposited on the downstream side of the trench during the pipeline construction. The excavated material to be used for final backfill shall be placed on

the upstream side. Any excavated rock or other debris not approved by the Engineer for final backfill shall be removed from the stream bed. The existing natural stream bed and channel shall be maintained in its natural state and no rock, material, or debris shall be deposited so as to interfere with the natural stream bed.

- C. NPDES General Stormwater Permit: The Contractor shall be totally responsible for securing, when required, the EPA NPDES General Stormwater Permit for the construction project unless specifically noted otherwise. The Contractor shall be responsible for all costs associated with the application and issuance of this permit unless specifically noted otherwise. Contact Alabama Department of Environmental Management at 334-271-7700.
 - D. Refer to Part VI, Technical Specifications, Division No. 2 and Plans for finished surface requirements.
 - E. Install all required signs and rain gauge.
- 3.03 Installation
- A. Install all required erosion and sedimentation control measures including Construction Exit Pad.
 - B. The Plans and CBMPP include required measures. Contractor is responsible for all measures necessary to contain erosion and prevent sedimentation leaving the site, even if measures beyond what is specifically called for on the Plans and CBMPP are not adequate.
 - C. Maintain all required measures including dust control from prior to first land disturbance until the final stabilization is achieved.
 - D. Maintain all required measures including dust control from prior to first land disturbance until final stabilization is achieved.
 - E. On-site areas which are subject to severe erosion, and off-site areas which are especially vulnerable to damage from erosion and/or sedimentation, are to be identified and receive special attention.
 - F. All land-disturbing activities are to be planned and conducted to minimize the size of the area to be exposed at any one time, and the length of time of exposure.
 - G. Surface water runoff originating upgrade or exposed areas should be controlled by the use of diversion ditches, and/or interceptor dikes, to reduce erosion and sediment loss during the period of exposure.
 - H. When the increase in the peak rates and velocity of stormwater runoff resulting from a land-disturbing activity causes accelerated erosion of the receiving stream, provide measures to control both velocity and rate of release so as to minimize accelerated erosion and increased sedimentation of the stream. This may be accomplished through the use of riprap, level spreaders or other energy dissipation devices.
 - I. All land-disturbing activities are to be planned and conducted so as to minimize off-site sedimentation damage.

3.04 Field Quality Control

- A. Perform all required inspections per schedule in CBMPP and per Regulatory requirements.
- B. Record all required inspections including rainfall, testing data, inspection reports, corrective actions, grading and stabilization activities and training.

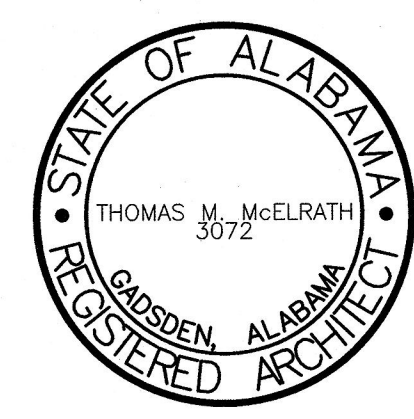
- C. The Specifications and drawings are not represented as being comprehensive, but rather convey the intent to provide complete slope protection and erosion control for both the Owner's and adjacent properties.

3.05 Project Close-Out

- A. Submit the required Notice of Termination upon final stabilization of the site.
- B. Remove all erosion and control measures unless they are designated by the Engineer to be permanent.

[5200]
[04/2024]

END OF SECTION

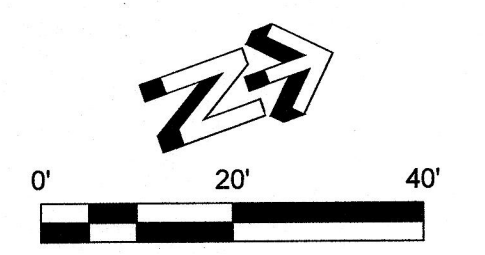
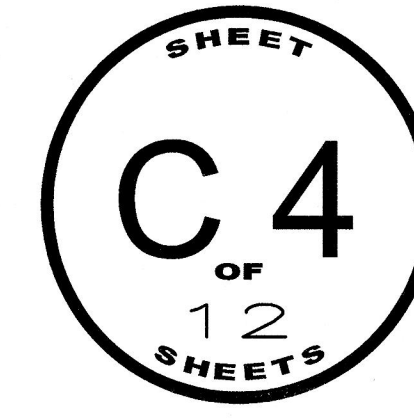


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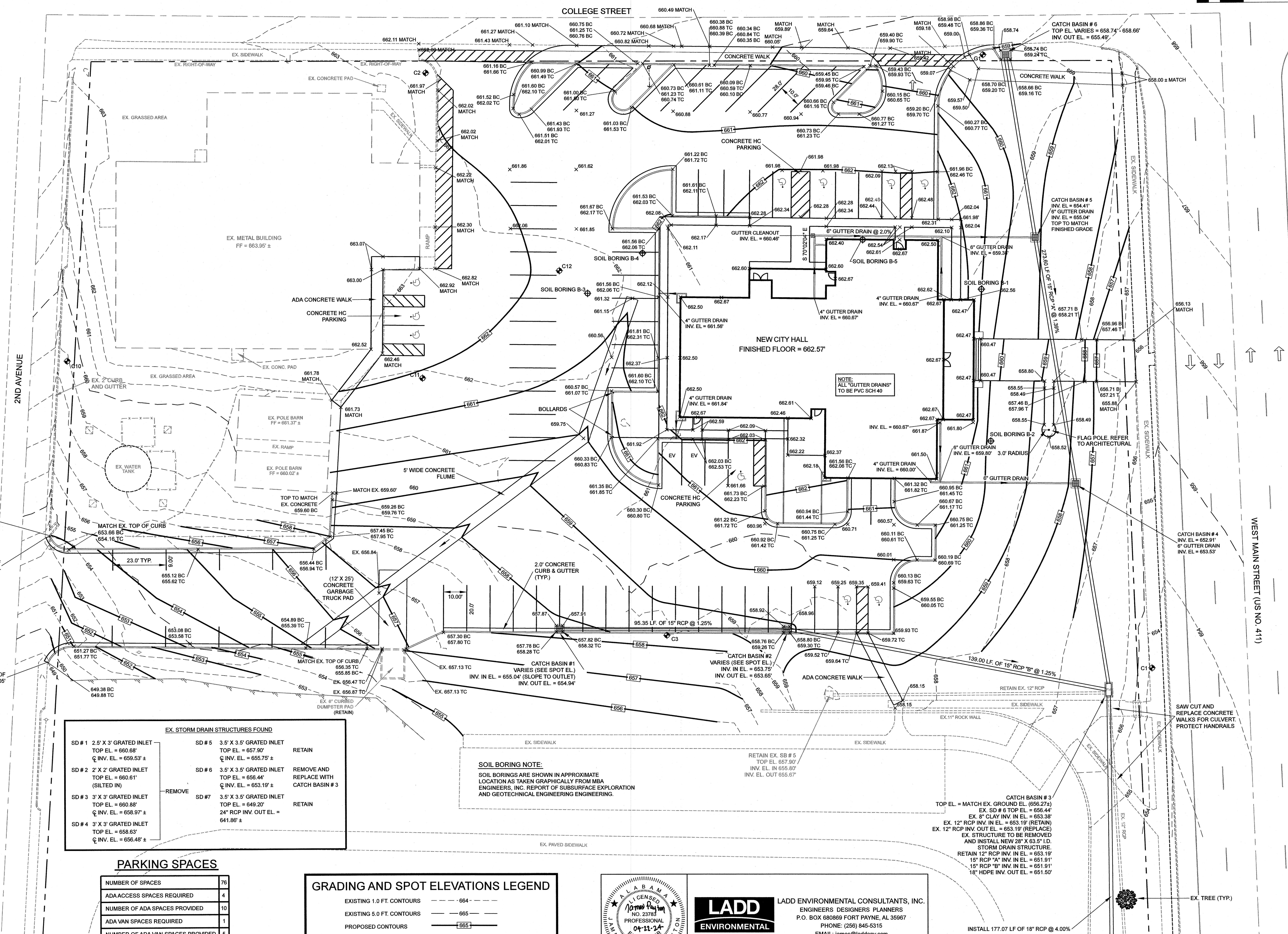
**A NEW CITY HALL
and
MUNICIPAL OFFICE FACILITY**
for the
CITY OF CENTRE, ALABAMA
350 E. MAIN STREET

REVISED GRADING
SOUTH OF CONC.
FLUME 4/22/24

DRAWN
CHECKED
SCALE AS NOTED
FILE
JOB NO. 22-06
REVISIONS



- CONTROL POINTS**
- G1 MAG NAIL SET EL. = 659.30'
 - C1 MAG NAIL SET EL. = 653.75'
 - C2 MAG HUB SET EL. = 662.64'
 - C3 MAG NAIL SET EL. = 658.99'
 - C10 MAG HUB SET EL. = 658.87'
 - C11 MAG NAIL SET EL. = 661.83'
 - C12 MAG NAIL SET EL. = 662.54'



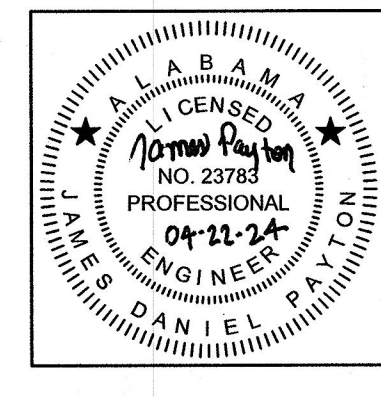
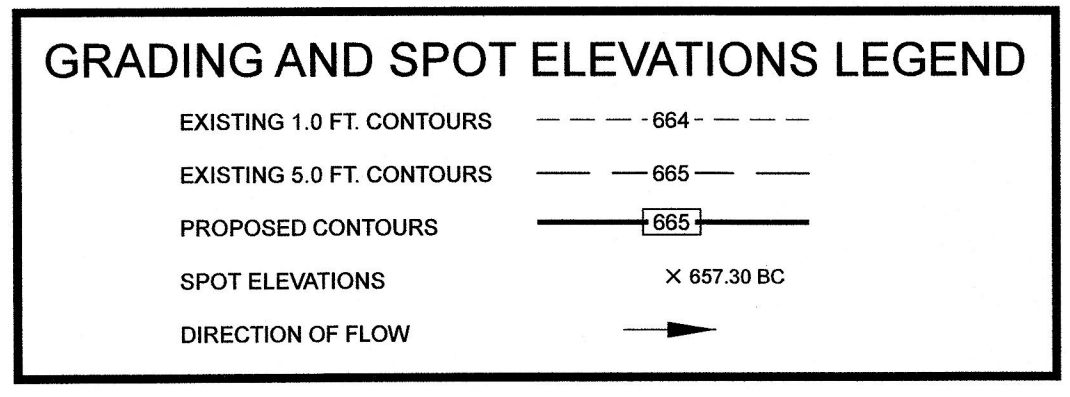
EX. STORM DRAIN STRUCTURES FOUND

SD #1 2.5' X 3' GRATED INLET TOP EL. = 660.68' C. INV. EL. = 659.53' ±	SD #5 3.5' X 3.5' GRATED INLET TOP EL. = 657.90' C. INV. EL. = 655.75' ±	RETAIN
SD #2 2' X 2' GRATED INLET TOP EL. = 660.61' (SILTED IN)	SD #6 3.5' X 3.5' GRATED INLET TOP EL. = 656.44' C. INV. EL. = 653.19' ±	REMOVE AND REPLACE WITH CATCH BASIN # 3
SD #3 3' X 3' GRATED INLET TOP EL. = 660.88' C. INV. EL. = 658.97' ±	SD #7 3.5' X 3.5' GRATED INLET TOP EL. = 649.20' 24" RCP INV. OUT EL. = 641.86' ±	RETAIN
SD #4 3' X 3' GRATED INLET TOP EL. = 658.63' C. INV. EL. = 656.48' ±		

PARKING SPACES

NUMBER OF SPACES	76
ADA ACCESS SPACES REQUIRED	4
NUMBER OF ADA SPACES PROVIDED	10
ADA VAN SPACES REQUIRED	1
NUMBER OF ADA VAN SPACES PROVIDED	5

PARKING SPACE NOTE:
PROVIDE CONCRETE WHEEL STOP FOR EACH PARKING SPACE. PLACE 2.0' FROM END OF SPACE. ANCHOR WITH STEEL PINS PER MANUFACTURER'S RECOMMENDATIONS. NOT APPLICABLE FOR FULL THROUGH PARKING SPACES.



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CATCH BASIN #3
TOP EL. = MATCH EX. GROUND EL. (656.274)
EX. SD # 3 TOP EL. = 655.44'
EX. 8" CLAY INV. IN EL. = 653.38'
EX. 12" RCP INV. IN EL. = 653.19' (RETAIN)
EX. 12" RCP INV. OUT EL. = 653.19' (REPLACE)
EX. STRUCTURE TO BE REMOVED AND INSTALL NEW 28" X 63.5" I.D. STORM DRAIN STRUCTURE.
RETAIN 12" RCP INV. IN EL. = 653.19'
15" RCP "A" INV. IN EL. = 651.91'
15" RCP "B" INV. IN EL. = 651.91'
18" HDPE INV. OUT EL. = 651.50'

SITE, GRADING AND STORM DRAINAGE PLAN #1