

NOTICE

Issued by:

Department of Public Works

Notice #:

DPW-25-01

Release Date:

6/5/25

Contact:

Matt Diehl
Customer Relations
Manager

Phone #:

410-222-4557

Design and Construction Standards Update

As a result of recommendations from the Technical Workgroup meetings, the Department of Public Works (DPW) is updating the Design and Construction Standards. These updates followed the Revision Process outlined in Appendix G of Chapter 1 of the 2024 Engineering and Construction Standards and are summarized in the attached memo.

This draft Orange Notice opens a 30-day comment period. The Design and Construction Standards updates will not be official until after this review period expires.



Karen Henry
Director



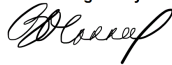
MEMORANDUM

TO: Anne Arundel County Engineering & Construction Standards Users

FROM: Beth O'Connell, P.E., Deputy Director, Bureau of Engineering,
Department of Public Works

SUBJECT: Engineering and Construction Standards Update

DATE: May 29, 2025

DocuSigned by:

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The 2025 updates to the Anne Arundel County Engineering and Construction Standards are attached

These updates are scheduled to be approved with an effective date of July 1, 2025.

Updates included are the following, and are shown in red text on the attachments:

24-01

- Increase Through Lane width on Local Road to 12' for emergency vehicle access and provide 24' minimum of pavement on all roads.
- "No Parking" to be designated in cul-de-sacs.

24-02

- Update Section GP-2.01 to provide additional categories to be used for bid advertisement purposes - existing language tops at \$3M.

Prior Exemption

In conjunction with the Department of Inspections & Permits, the implementation of these revisions will provide for a Prior Exemption period related to development projects. Final Plans and Site Development Plans that have made an official submission through the Permit Center by **June 30, 2025**, will be allowed to proceed under the conditions of the current Design and Construction Standards. This Prior Exemption provision will remain in place as long as the project receives Final Plan/Site Development Plan approval no later than **June 30, 2027**, and is under construction by **June 30, 2028**.


All other projects are subject to the July 2025 Design and Construction Standards provisions as of July 1, 2025.

BO/dcb



MEMORANDUM

TO: Distribution List

FROM: Beth O'Connell, Deputy Director, Bureau of Engineering 

SUBJECT: Engineering & Construction Standards Revision Request 24-01

DATE: January 22, 2025

I have reviewed and **approved** the attached request for a revision to the Engineering & Construction Standards 24-01. This revision will be issued as part of the 2025 annual update.

cc: Engineering & Construction Standards TRC

STANDARD CROSS-SECTION REQUIREMENTS

Updated October 2024

	Road Classification	Principal Arterial - Closed	Principal Arterial - Open	Minor Arterial - Closed	Minor Arterial - Open	Collector - Closed	Collector - Open	Local - Closed	Local - Open
A.	Slope (outside R/W line)	C1	C1	C1	C1	C1	C1	C1	C1
B.	Stormwater Conveyance	C2	C2	C2	Y; 9' min	C2	Y; 9' min	C2	Y; 9' min
C.	Street Trees/Buffer (see C14)	5' min	5' min	5' min	5' min	5' min	5' min	5' min	5' min
D.	Sidewalk	5' min	C3; 5' min	5' min	C3; 5' min	5' min	C3; 5' min	5' min	C3; 5' min
E.	Shared Use Path	C4; 10' min	C4; 10' min	C4; 10' min	C4; 10' min	C4; 10' min	C4; 10' min	N	N
F.	Utility Strip	C5; 4' min	C5; 4' min	C5; 4' min	C5; 4' min	C5; 4' min	C5; 4' min	C5; 4' min	C5; 4' min
G.	Curb/Gutter	2'	N	2'	N	2'	N	2'	N
H.	Shoulder (see C15)	12' min	10' min	8' min	8' min	N	N	N	N
I.	Parking Lane	N	N	N	N	C6; 8'	C6; 8'	C6; 8'	C6; 8'
J.	Dedicated Bicycle Facilities	C7; 6-10'	C7; 6-10'	C7; 6-10'	C7; 6-10'	C9; 4-6'	C9; 4-6'	N	N
K.	Right Turn Lane	C10; 10' min	C10; 10' min	C10; 10' min	C10; 10' min	C10; 10' min	C10; 10' min	N	N
L.	Through Lane	C11; 11-12'	C11; 11-12'	C11; 10-12'	C11; 10-12'	C11; 10-11'	C11; 10-11'	12'*	12'*
M.	Left Turn Lane	C12; 10' min	C12; 10' min	C12; 10' min	C12; 10' min	C12; 10' min	C12; 10' min	N	N
N.	Median	C13; 16'min	C13; 16'min	C13; 6'min	C13; 6'min	C13; 6'min	C13; 6'min	N	N

C - Conditional; see notes below

Y - Required

N - Not Required

* - All roads must provide a minimum of 24' of pavement for emergency access.

Pavement for this purpose includes through lanes, turn lanes, parking lanes, and shoulders.

- C1:** Slope to tie-in right-of-way(r/w) grade to existing grade, or retaining wall, MUST be located outside the public r/w; 2:1 max slope.
- C2:** Stormwater conveyance consists of roadside ditching. If provided, width shall be based on Design Manual requirements to handle design flow volume. Stormwater management facilities shall not be located in the public right-of-way unless approved by the DPW Bureau of Highways. R/W width shall be adjusted as necessary for facility to be completely in public r/w, and no utility structures located between top of banks of facility.
- C3:** Sidewalk required on all roads unless 25-year ADT < 400, AND average lot size is over 30,000 sf, AND entrance to development is not within 1.5 miles of any pedestrian generator when measured along the public right-of-way.
- C4:** Shared Use Paths shall be installed when required by the County, in lieu of sidewalk on that side, in accordance with adopted master plans, corridor studies, extension of existing paths, or other multimodal impact that may be identified.
- C5:** Utility Strip to be located between curb and sidewalk shall include Signage, Fire Hydrants, Street Lighting. Private utilities (i.e. BGE, Verizon, CATV) shall be located under the sidewalk.
- C6:** Parking lane shall be required on all roads where average lot width is less than 80 feet as follows:
For lot widths between 30'-80', parking lane required on one side of road
If lot widths ≤30' and rear alley access provided, parking lane required on both sides of road
If lot widths ≤30' and no rear access, no on-street parking shall be provided. Instead, additional parking shall be provided in accordance with the requirements of the County Code (17-6-604(e)) when on-street parking is prohibited.
- C7:** The appropriate facilities will be determined by the County in accordance with current Federal, State, and Local standards, and may include separated bike lanes (characterized by a vertical barrier) of a width appropriate for the speed and volumes, shared use paths, or buffered bike lanes.
- C9:** Provide a striped and marked bicycle lane in accordance with the following:
Posted speed ≤35 mph - 4'
Posted speed >35 mph and ≤45 mph with ≤8% trucks - 5'
Posted speed >35 mph and ≤45 mph with >8% trucks - 6'
Posted speed >45 mph - 6'
If adjacent to parking or a physical barrier such as a guardrail or curb with no gutter pan, provide a 6' marked bicycle lane.
- C10:** Right Turn Lane required if volume warrants met - see Exhibit C10. R/W shall be widened as necessary for facilities to be completely in public r/w. Full width pavement is required along the total length of the lane. The taper is to be established via pavement markings.
- C11:** Lane width based on speed and volume - see Exhibit C11.
- C12:** Left Turn lane required if volume warrants met - see Exhibit C12(a-c). R/W shall be widened as necessary for facilities to be completely in public r/w. Full width pavement is required along the total length of the lane. The taper is to be established via pavement markings.
- C13:** If median is provided, minimum width provided shall be based on the ultimate road design for its classification, the characteristics of the area, and meet all ADA and other regulatory requirements.
- C14:** If credit for street trees is provided through existing trees preserved immediately abutting the right of way, 5' grass buffer must still be provided.
- C15:** Requirement for shoulder on multi-lane arterials shall be determined by the County during development plan review.

NOTES:

1. Unless otherwise shown/prescribed in an adopted plan, authorized corridor study, or active/completed CIP design, the above typical section requirements shall apply to the design of all public roads, including State roads subject to SHA approval of an Accesss Permit.
2. The right-of-way of any proposed road, or road impacted by required frontage improvements, shall be adjusted as necessary so that all required elements are within the delineated right-of-way.

F. Cross-Sections

The design professional shall prepare cross-sections for all proposed road construction or widening of County owned roads. Cross-sections shall be plotted at a natural scale of not greater than 1 inch = 5 feet. Cross-section sheets shall be kept neat and legible and shall be a part of the Contract Documents. Cross-sections shall be plotted at 50-foot station intervals and at intersecting roads, drives, or entrances. Cross-sections shall show at a minimum existing ground, proposed ground, tie-in points, right-of-way lines and easements. Cross-sections, where shown, shall take precedence over typical sections.

G. Parking Restrictions

The design professional shall prepare plans for all proposed roadways under the following parking restrictions:


1. Roadway width greater than 36' shall allow for 2 sided parallel parking.
2. Roadway widths between 28' - 36' shall allow for 1 sided parallel parking.
3. Roadway width less than 28' - NO PARKING on either side of the roadway.
4. The design professional shall mark NO PARKING on plans and add statement to proposal and plans.
5. No parking is allowed in cul-de-sacs or turnarounds.

IV. APPENDIX**A. References****B. Road and Street Contract Drawing Check List****C. Sight Distance at Intersections****D. Guidelines for Traffic Impact Studies****E. Anne Arundel County Standards for Gatehouses, Fences and Community Signs within County Right-of-Way****F. Anne Arundel County Guidelines for Traffic Control Devices, Street Lights and Street Trees for New Development Projects****G. Anne Arundel County Standard Cross-Section Requirements.**



MEMORANDUM

TO: Distribution List

FROM: Beth O'Connell, Deputy Director, Bureau of Engineering 

SUBJECT: Engineering & Construction Standards Revision Request 24-02

DATE: January 22, 2025

I have reviewed and **approved** the attached request for a revision to the Engineering & Construction Standards 24-02. This revision will be issued as part of the 2025 annual update.

cc: Engineering & Construction Standards TRC

GP-2**BIDDING REQUIREMENTS AND CONDITIONS****GP-2.01 NOTICE TO CONTRACTORS (ADVERTISEMENT)**

After the date is fixed for the letting of Work, the County will give notice of such letting to Contractors. The Notice to Contractors, which will be published as an advertisement, will contain a description of the proposed Work, the time and place where Sealed Proposals will be received, together with information regarding access to Information to Bidders, Proposal, Bid Bond, Plans and Specifications, and the reservation of the right of the County to reject any or all bids.

The County will estimate the cost of the Contract and classify it as falling within one of a series of cost groups as follows:

Up to \$100,000
\$100,000 to \$250,000
\$250,000 to \$500,000
\$500,000 to \$1,000,000
\$1,000,000 to \$1,500,000
\$1,500,000 to \$2,000,000
\$2,000,000 to \$5,000,000
\$5,000,000 to \$10,000,000
\$10,000,000 to \$15,000,000
\$15,000,000 to \$20,000,000
\$20,000,000 to \$25,000,000
above \$25,000,000

The cost group will be published as part of the advertisement.

GP-2.02 PROPOSAL CONTENTS

The Proposal shall describe the location and type of Work contemplated by the Contract and include a listing of pay items. Where pay items are unit price items, the Proposal will further show the approximate estimate of quantities expected to occur in such unit price items.

The Proposal will also set forth the place, date and time of opening bids, the requirements for a Bid Bond or Certified Check, and the time to be allowed for completing the Contract.

The Notice to Contractors, Pre-Bidding Conference Data, Information to Bidders, Proposal Forms, Contract Forms, Performance Bond Forms, Labor and Material Bond Forms, Corporate Resolution Forms; and two sets each of Experience and Equipment Certificates, affidavits, Bid Bonds, and Lists of Subcontractors and Equipment Suppliers, as appropriate; and all other papers included in, bound thereto, or attached to the Proposal are necessary parts thereof and shall not be altered in their intent or content.

The Plans, these Standard Specifications, Standard Details, Special Provisions, Referred-to Specifications, Addenda, and other documents so designated will be considered a part of the Proposal whether attached thereto or not.