



Wes Moore  
Governor  
Aruna Miller  
Lieutenant Governor  
Paul J. Wiedefeld  
Secretary  
Holly Arnold  
Administrator

TO: All Prospective Proposers

FROM: Maryland Transit Administration

SUBJECT: Addendum No. 1

T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION

DATE: DECEMBER 4, 2023

**Addendum No. 1 is three (3) page and includes the following:**

ITEM No. 1 --- Provides SIGN-IN SHEETS for the PRE-BID CONFERENCE for T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION held on Wednesday, November 29, 2023 at 10:00 AM. EST.

ITEM No. 2 --- Provides SIGN-IN SHEETS for the SITE VISIT for T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION held on Wednesday, November 29, 2023 at 2:00 P.M. EST

All other terms and conditions remain unchanged.

Sincerely,

*Christie E. Williams*

Christie E. Williams, CPPB

Chief of Construction, Procurement

Acknowledgement of receipt of Addendum No. 1 to T-1994-0250.

Vendor Name: \_\_\_\_\_

\_\_\_\_\_  
Representative's Signature                      Date                      \_\_\_\_\_ Authorized

This is the end of Addendum No. 1



**MARYLAND TRANSIT ADMINISTRATION  
OFFICE OF PROCUREMENT  
SOLICITATION # T-1994-0250  
CONTRACT TITLE – Owings Mill Park & Ride Rehabilitation**

DATE: November 29, 2023

PRE-BID CONFERENCE

TIME: 10 A.M.

COMPANY NAME	PRINTED NAME	SIGNATURE	PHONE NUMBER	E-MAIL ADDRESS
MTA / PROCUREMENT	Christie Williams	Online Attendance	410-767-3352	Cwilliams@mdot.maryland.gov
MTA/ PROCUREMENT	Joe Adams	Online Attendance	484-832-6379	jadams@rkk.com
MTA/ DBE	Corey Johnson	Online Attendance		
MTA/ PROCUREMENT	Ebony Reddick	Online Attendance		
MTA	Douglas Rau	Online Attendance	410-767-3814	drau@mdot.maryland.gov
MTA / ENGINEERING	Lewis Lema	Online Attendance		
MT Laney Co.	Dan Trumpower	Online Attendance	410-795-1761	bids@mtlaney.com
HMF Paving Contractors, Inc.	Michael Strube	Online Attendance	301-607-1100	HMFPaving@aol.com
PEM Inc.	Gayan Kularathne	Online Attendance	240-252-0841	gkula@peminc.biz
CJ Miller LLC	Mark Warner	Online Attendance	410-239-8006	mwarner@cjmillerllc.com
Wallace Montgomery	Seth Darlington	Online Attendance		
Tri-Logistics	Michael Belcher	Online Attendance		michael.belcher@tri-logistics.net
		Online Attendance		
		Online Attendance		
		Online Attendance		

MTA

REV. 10/15

**Minutes:**



Wes Moore  
Governor  
Aruna Miller  
Lieutenant Governor  
Paul J. Wiedefeld  
Secretary  
Holly Arnold  
Administrator

TO: All Prospective Proposers

FROM: Maryland Transit Administration

SUBJECT: Addendum No. 2  
T-1994-0250 OWINGS MILLS METRO PARK AND RIDE  
REHABILITATION

DATE: January 10, 2024

**Addendum No. 2 is Thirty-Seven (37) pages and includes the following:**

ITEM No. 1 --- Provides Revised Bid Form (adds sealing cracks bid item, removes site clearing bid item, revised quantity of 5" concrete sidewalk bid item, revised temporary sign quantity bid item)

ITEM No. 2 --- Provides Revised seal coat and site clearing spec (removed from Contract)  
All other terms and conditions remain unchanged.

ITEM No. 3 --- Provides Revised and added "Sealing Cracks and Asphalt Pavement" spec section to the contract documents which added another measurable bid item to be paid by Linear Foot.

ITEM No. 4 --- Provides Revised plans to address temporary ADA sign configuration, remove reference to concrete bases for signs, revise quantity of sidewalk, give direction on crack sealing asphalt base after milling.

ITEM No. 5 --- Provides a new DUE DATE: Bids must be submitted through the eMMA portal and marked "Bid for Contract No. T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION", no later 2 P.M. EST, Thursday, January 25, 2024.

ITEM No. 6 --- Provides the Questions and Answers (RFI posting) for the project.

Sincerely,

*Christie E. Williams*

Christie E. Williams, CPPB Chief of Construction, Procurement

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Acknowledgement of receipt of Addendum No. 2 to T-1994-0250.

Vendor Name: \_\_\_\_\_



\_\_\_\_\_  
Representative's Signature      Date

Authorized

This is the end of Addendum No. 2



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION  
MARYLAND TRANSIT ADMINISTRATION

**BID FORM**

FOR

CONTRACT NO.: T-1994-0250

TO: MARYLAND TRANSIT ADMINISTRATION  
ATTN: PROCUREMENT DIVISION  
6 SAINT PAUL STREET, 7<sup>TH</sup> FLOOR  
BALTIMORE, MD 21202-1614

BID OPENING DATE:

**1/25/2024**

BID OPENING TIME:

**2:30PM**

BID OF: \_\_\_\_\_  
(Bidder's Name)

PROJECT DESCRIPTION:

1. This bid is hereby submitted to the Maryland Transit Administration (hereinafter sometimes called the "Administration") in response to NOTICE TO CONTRACTORS dated \_\_\_\_\_ .

2. The UNDERSIGNED has thoroughly examined, acknowledges receipt of, and is familiar with the Contract Documents as well as the various instructions, information, and requirements covering the same, all as mentioned herein and in said NOTICE TO CONTRACTORS.

3. In compliance with said NOTICE TO CONTRACTORS the UNDERSIGNED hereby proposes to furnish all labor, equipment, and materials and perform all work described and in strict accordance with the provisions of the Contract Documents for the consideration of the amounts, lump sum and unit prices listed in the attached Unit Price Schedule, and agrees that, upon Notice of Award, within one hundred eighty(180) calendar days after the date of opening of bids, unless mutually extended, he will within ten (10) calendar days after receipt of the prescribed forms, execute the Contract and furnish a performance bond and payment bond (if such bonds are required by the Contract Documents) on forms furnished by the Administration with good and sufficient surety or sureties.

4. The UNDERSIGNED agrees and understands that the time of completion is as specified in the Special Provisions, unless the completion dates are extended as provided for in the Contract Documents.

5. The UNDERSIGNED agrees to pay liquidated damages in the amount specified in the Special Provisions for each and every calendar day after the completion date that the work remains incomplete unless an extension is granted as provided for in the Contract Documents.

6. The UNDERSIGNED hereby certifies that the \_\_\_\_\_

(Bidder's Name) / \_\_\_ / is, / \_\_\_ / is not (CHECK ONE) included on the GSA list of Parties Excluded from Procurement. **AND**

The UNDERSIGNED hereby certifies that the \_\_\_\_\_  
(Bidder's Name) / \_\_\_ / is, / \_\_\_ / is not (CHECK ONE) included on the List of Contractors Suspended or Debarred from Contracting with the State of Maryland.

7. The UNDERSIGNED, as the Contractor, will perform on the Site, with its own organization, \_\_\_\_\_ percent ( \_\_\_ %) of the total amount of work to be performed under this contract.

8. PARENT COMPANY

a. The UNDERSIGNED represents that it / \_\_\_ / is, / \_\_\_ / is not, (CHECK ONE) owned or controlled by a parent company. For this purpose a parent company is defined as one which either owns or controls the activities and basic business policies of the UNDERSIGNED. To own another company means the parent company must own at least a majority (more than 50 percent) of the voting rights in that company. To control another company such ownership is not required; if another company is able to formulate, determine or veto basic business policy decisions of the bidder, such other company is considered the parent of the bidder. This control may be exercised through the use of dominant minority voting rights, use of proxy voting, contractual arrangements, or otherwise.

b. If UNDERSIGNED is owned or controlled by a parent company, insert in the space below the name and main office address of the parent company

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State Zip

9. ARREARAGES

By submitting a response to this solicitation, the undersigned shall be deemed to represent that it is not in arrears in the payment of any obligations due and owing the State of Maryland, including the payment of taxes and employee benefits, and that it shall not become so arrears during the term of the contract if selected for contract award.

10. CERTIFICATION OF NON-MARYLAND CORPORATION (FOREIGN CORPORATION)

a. A corporation not incorporated in the State of Maryland is considered to be a foreign corporation and, therefore, is required to be registered with the Maryland State Department of Assessment and Taxation if awarded this contract.

b. Where a foreign corporation is currently registered with the Department of Assessments and Taxation, such a bidder shall submit with his bid a copy of the department's certification of his registration or qualification acknowledgment.

c. If a foreign corporation is not currently registered, such a bidder shall submit with his bid his certification that, if notified of his apparent award of the contract, he will register with the Maryland State Department of Assessments and Taxation and provide a copy of the department's certification of his registration or qualification acknowledgment along with the executed contract.

11. The Contractor shall, prior to the time of execution of the contract, obtain all applicable licenses and comply with all applicable laws and regulations in the Annotated Code of Maryland.

12. All bidders must submit with their bid the following documents fully executed.

- a) Contract number and title
- b) Name and address of the Bidder
- c) Completed Insurance Premium Worksheet
- d) Bid Form
- e) Bid/Proposal Affidavit.
- f) Bid Bond in the Amount of \$ \_\_\_\_\_ Or 5% of the bid price
- g) Signed Cover Letter for each Addendum issued by MTA
- h) Contractor's Questionnaire Pre-Award Evaluation Data
- i) MDOT MBE Form A, "Certified MBE Utilization and Fair Solicitation Affidavit" (two page document)
- j) MDOT MBE Form B, "MBE Participation Schedule"
- k) Buy America Certificate
- l) Certification Regarding Lobbying
- m) Certification Regarding Investments in Iran
- n) Location of the Performance of Services Disclosure
- o) Mercury Affidavit
- p) Conflict of Interest
- q) Payment of Employee Healthcare Expenses Worksheet
- r) Payment of Employee Health Expenses Certification
- s) Corporate Diversity Addendum

**UNIT PRICE SCHEDULE**

<b>Item</b>	<b>Section</b>	<b>Description</b>	<b>Estimate of Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
001	01 15 00	Mobilization	1	LS	\$60,000.00	\$60,000.00
002	01 21 00	Miscellaneous Work Allowance	1	ALLOW	\$50,000.00	\$50,000.00
003	01 43 00	Quality Assurance/Quality Control - Allowance	1	ALLOW	\$25,000.00	\$25,000.00
004	01 52 13	Engineer's Field Office	1	ALLOW	\$8,500.00	\$8,500.00
005	01 55 26	Portable Variable Message Sign (PVMS)	45	UD		
006	01 55 26	Maintenance and Control of Traffic - Allowance	1	ALLOW	\$30,000.00	\$30,000.00
007	01 55 26	Temporary Traffic Signs for Maintenance of Traffic	40	SF		
008	01 55 26	Type III Barricade for Maintenance of Traffic	30	EA		
009	01 55 26	Furnish and Place Temporary Orange Construction Fence	15	LF		
010	01 55 26	5 Inch Temporary Pavement Striping Tape	480	LF		



<b>Item</b>	<b>Section</b>	<b>Description</b>	<b>Estimate of Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
011	01 57 13	Inlet Protection	10	EA		
012	02 41 13	Remove and Dispose Existing Sign & Post	46	EA		
013	02 41 13	Grind Existing Bolts to Pavement Elevation	1	LS		
014	02 41 43	Remove Existing Wheel Stop	14	EA		
015	05 52 00	Handrail	20	LF		
016	05 52 00	Remove and Dispose Existing Handrail	10	LF		
017	05 59 10	Install New Bollards	14	EA		
018	10 14 53	Relocate Existing Sign	14	EA		
019	10 14 53	2" X 2" Steel Sign Supports	26	EA		
020	10 14 53	Signs	11	SF		

<b>Item</b>	<b>Section</b>	<b>Description</b>	<b>Estimate of Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
021	31 10 00	Tree Pruning and Removal	121	LF		
022	32 01 16	Mill and Overlay HMA Pavement 2 Inch Depth	7410	SY		
023	32 01 17	Sealing Cracks	5000	LF		
024	32 12 16	HMA Full Depth Pavement Repair	142	SY		
025	32 13 13	Concrete Pavement Patching	400	SY		
026	32 16 13	Replace Concrete Curb and Gutter	140	LF		
027	32 16 23	5" Concrete Sidewalk	1432	SF		
028	32 17 23	5 inch Solid White Pavement Marking Line (Paint)	9882	LF		
029	32 17 23	12 Inch Solid White Pavement Marking Line (Paint)	1907	LF		
030	32 17 23	24 inch Solid White Pavement Marking Line (Paint)	55	LF		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
031	32 17 23	5 inch Solid Yellow Pavement Marking Line (Paint)	1200	LF		
032	32 17 23	Removal of Existing Pavement Marking (Any Width)	275	LF		
033	32 17 26	Tactile Warning Surface	62	SF		
034	32 93 00	Plant Tree - Platanus Hybrida (London Planetree)	3	EA		
035	32 93 00	Plant Tree - Hackberry Celtis Occidentalalis	2	EA		
036	33 40 00	Reset Inlet Top	2	EA		

Basis of Award: Total amount of items 001 thru 036

\_\_\_\_\_ (figures)

\_\_\_\_\_

\_\_\_\_\_ (words)

037		Insurance Premium (Contingency)	LS	LS	LS	
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This amount will only be added to the base bid in the event that the bidder is excluded from the wrap-up insurance program or the program is terminated mid-term. The Insurance Premium Worksheet must be attached to the bid.

A. CORPORATION BID:

FEIN: \_\_\_\_\_

\_\_\_\_\_  
Name of Corporation

\_\_\_\_\_  
State in which Incorporated

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Telephone Number / Fax Number

ATTEST:

By:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
President or Vice President

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

B. PARTNERSHIP BID:

FEIN: \_\_\_\_\_

\_\_\_\_\_  
Name of Partnership

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Telephone Number / Fax Number

Names of each Partner:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Witness:

By:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

C. INDIVIDUAL BID:

Witness:

\_\_\_\_\_  
Print Name

D. JOINT VENTURE

ATTEST

\_\_\_\_\_  
Secretary

Print Name

\_\_\_\_\_  
Print Name

S.S. No.: \_\_\_\_\_

\_\_\_\_\_  
Name

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Telephone Number / Fax Number

By:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

FEIN: \_\_\_\_\_

\_\_\_\_\_  
Name of Corporation

\_\_\_\_\_  
State in which Incorporated

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Telephone Number / Fax Number

By:

\_\_\_\_\_  
President or Vice President

\_\_\_\_\_  
Print Names

FEIN: \_\_\_\_\_

\_\_\_\_\_  
Name of Corporation

\_\_\_\_\_  
State in which Incorporated



**SECTION 32 12 36  
SEAL COATS****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Plans and general provisions of the Contract, including General Provisions for Construction Contracts and Supplementary General Provisions for Construction Contracts and Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. Section Includes:
1. This work consists of furnishing and applying a bituminous seal coat on an approved surface, in accordance with these specifications as shown on the plans or as directed by the Engineer.
- B. Related Requirements:
1. Section 32 01 17.61 Sealing Cracks in Asphalt Paving

**1.3 REFERENCES**

- A. For additional references, refer to the General Provisions and Supplementary Provisions.
- B. Abbreviations and Acronyms:
1. MDOT-SHA: Maryland Department of Transportation – State Highway Administration

**1.4 ACTION/INFORMATIONAL SUBMITTALS**

- A. Product Data:
1. Submit the material specifications for approval
  2. Submit mix design data for approval.
- B. Certificates: Submit certified weight tickets for the emulsion, aggregate, and any other additives. The weight tickets will be used to determine in-place application rates.
- C. Source Quality Control Submittals:
1. Submit the material source of supply for approval, for all materials listed in Part 2.

**1.5 QUALITY ASSURANCE**

- A. Quality Control Plan: Submit a Quality Control Plan (QCP) for approval at least 30 days prior to any seal coat application. The QCP shall document the proposed methods for controlling the equipment, materials, production, and operations to ensure conformance. The QCP shall also contain a list of technicians working on the project, their qualifications,

and a list of all equipment to be used on the project. Discuss the plan requirements with the Administration prior to construction.

- B. Qualifications: Technicians working on the project must take a mandatory online course from National Highway Institute (NHI), Course No. FHWA-NHI-131110F - Pavement Preservation Treatment Series: Fog Seals. An unofficial transcript of successful completion of the course can be downloaded from NHI's website. Submit transcripts with the QCF.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Water from a potable source, or as approved by the engineer.
- B. Sand or other appropriate blotter material, as approved by the engineer.
- C. Asphalt Emulsion designated CSS-1h or CQS-1h (Quick-Set Mixing Grade) conforming to the applicable requirements AASHTO Designation M-208. The emulsion shall not contain coal-tar. The contractor shall submit the pertinent material specifications to the Administration for approval at least 30 days prior to any seal application. Each load of emulsified asphalt shall be accompanied by certification stating the emulsion meets specification requirements.
  - 1. Dilution Procedure: Prior to application the asphalt emulsion shall be diluted with water. The order of addition shall be asphalt emulsion followed by an equal portion of water. The resulting dilution shall be mixed mechanically. Use caution not to over agitate causing excessive foaming or breaking of the emulsion. Diluted material should be applied the same day and not stored for later use. Dilution shall be 50% asphalt emulsion and 50% water.
    - a. All additives for emulsified asphalts shall be approved prior to use.
    - b. Water may be checked for compatibility with the emulsion by mixing a small amount of emulsion in a can (approximately one liter). The materials are mixed for 2 to 3 minutes with a stirrer and the resulting mixture is poured through a pre-wetted 150  $\mu$ m sieve. If more than 1% by weight of material is retained on the sieve, the water is not compatible and clogging in spray jets may result.
    - c. Incompatible water may be treated with 0.5 to 1.0% of a compatible emulsifier solution (the emulsion manufacturer can provide advice regarding compatible solutions). The emulsifier solution should be added to the water tank and circulated for 10 to 15 minutes via a pump before adding to the emulsion. If a water treatment is used, the compatibility test should be repeated using the treated water to ensure compatibility.
    - d. Emulsified asphalt shall be homogenous. It shall show no separation of asphalt at the time of use and shall be used within

thirty calendar days after delivery from the manufacturer/supplier.

- e. Emulsified asphalt shall not be allowed to freeze.

## 2.2 QUALITY CONTROL

- A. **Non-Conforming Work:** Correct defective work not meeting the following criteria, unless otherwise directed in writing and as determined; to the satisfaction of the Administration and at no additional cost.
  - 1. Defective work is as defined in MDOT-SHA Standard Specification Section 507.03.11

## PART 3 - EXECUTION

### 3.1 GENERAL REQUIREMENTS:

- A. **Construction:** Perform any necessary patching, crack sealing, crack filling, and other surface preparation as prescribed or directed prior to applying the seal coat.
- B. **Weather Restrictions:** Place the emulsion when the air and surface temperatures are at least 50 F, when it is not raining or foggy, and when the local weather forecast does not predict precipitation or the temperature to fall below 40 F within 24 hours from the time the emulsion is to be placed. Cease placement when the surface or air temperature falls below the specified limits. Any further placement is at the Contractor's risk.
- C. **Bituminous Distributor:** Refer to ASTM D2995. Use a calibrated bituminous distributor equipped to spray the emulsion uniformly across the designated surface at the temperature recommended by the manufacturer. Spray the seal coat at readily determined and controlled rates from 0.06 to 0.22 gal/yd<sup>2</sup> with an allowable variation from the specified rate of not more than plus or minus 5 percent.
- D. **Mixing Equipment:** The contractor must furnish all equipment necessary for the performance of the work.
- E. **Power Broom:** The contractor must provide a power broom and/or blower for removing loose material from the pavement surface. When truck mounted machines are used, have at least two units on the project prior to construction. Take caution not to direct blowing towards pedestrian or vehicles where damage or injury could occur.
- F. **Surface Preparation:** Dry and clean the surface of all loose and foreign materials prior to applying the seal coat. Remove pavement marking per MDOT-SHA Standard Specification Section 565
- G. **Test Section:** Prepare a representative test section on site on the pavement, 50 feet long and 10 feet in width to determine the application rate. The area to be tested will be designated by the engineer and will be located on the existing pavement. If the emulsion in the test section remains ponded and is not absorbed into the surface after 15-20 minutes, a

new test section will be required with a decreased application rate. Continue to prepare additional test sections until an application rate is approved.

- H. **Application:** Refer to Table 1. Apply the seal coat uniformly over the pavement surface in one application so that it penetrates the pavement without ponding. The application rate may be adjusted as directed. Thoroughly spray areas missed by the bituminous distributor by hand to ensure uniform coverage.

TABLE 1 Recommended Fog Seal Coat Application Rates			
% Water In Original Emulsion	Dilution Rate	Existing Pavement Surface	
		Dense Graded Asphalt Surface	Open Graded Asphalt Surface
		(gal/yd <sup>2</sup> )	(gal/yd <sup>2</sup> )
50	1:1	0.03 – 0.11	0.09 – 0.22

Prevent the seal coat from being applied outside the designated areas using a fine aggregate dam or other approved method. All adjacent concrete surfaces, manhole and valve covers, drop inlets, and other such appurtenances shall be protected from the bituminous material by placing reinforced, waterproof, all-purpose paper or other suitable material, approved by the Engineer. Completely remove any seal coat applied or tracked outside of designated areas at no additional cost.

- I. **Fine Aggregate Application:** Apply fine aggregate to the seal coat at the rate of .5 to 1 lb/yd<sup>2</sup> before it breaks, uniformly across the treated surface. Remove the fine aggregate by means of a rotary broom and vacuum truck within ten (10) days after the application of the seal. Re-sand any areas affected by bleeding. Correct all rough and non-uniform areas as determined.
- J. **Traffic:** Allow the seal coat to cure completely before opening to traffic. Allow 2 hours for the seal coat to cure before permitting traffic on the pavement, or as determined by the engineer. Repair sealed areas damaged by traffic at no additional cost.

**PART 4 - MEASUREMENT AND PAYMENT**

**4.1 ASPHALT SEAL COATING:**

- A. Asphalt Seal Coating will be measured at the contract unit price per square yard.
- B. The payment for Asphalt Seal Coating will be full compensation for furnishing and placement, aggregate, tie-ins to entrances and connecting roads, emulsion, test strip, sealing cracks and for all material, labor, equipment, tools, and incidentals necessary to complete the

**END OF SECTION**



**SECTION 31 10 00  
SITE CLEARING****PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Plans and general provisions of the Contract, including General Provisions for Construction Contracts and Supplementary General Provisions for Construction Contracts and Division 01 Specification Sections, apply to this Section.

**1.2 SUMMARY**

- A. Section Includes:
1. This work shall consist of clearing and grubbing within the limits specified in the Contract Documents.
- B. Related Requirements:
1. Section 31 13 00: Tree Pruning And Removal

**1.3 REFERENCES**

- A. For additional references, refer to the General Provisions and Supplementary Provisions.
- B. Abbreviations and Acronyms:
1. MDOT-SHA: Maryland Department of Transportation – State Highway Administration
- C. Definitions:
1. Refer to MDOT-SHA Standard Specification Section 100.01.01
- D. Reference Standards:
1. Maryland Department of Transportation – State Highway Administration (MDOT-SHA)
    - a. SHA-MDOT Section 101 for Clearing and Grubbing

**PART 2 - PRODUCTS****PART 3 - EXECUTION****3.1 ERECTION/INSTALLATION/APPLICATION**

- A. Refer to MDOT-SHA Standard Specification Section 101.03, except as follows:
1. Perform Tree Branch Pruning in conformance with Section 31 13 00: Tree Pruning And Removal, unless noted otherwise.

**PART 4 - MEASUREMENT AND PAYMENT**

**4.1 SITE CLEARING:**

- A. Site Clearing will not be measured for payment.
- B. Site Clearing will be paid at the Contract lump sum price, complete in place, accepted, which price will be full compensation for clearing and grubbing, removal and disposal of fences, selective tree trimming and scar repair, and removal and disposal of existing buildings when not covered as a specific pay item in the Contract Documents, and for all material, labor, equipment, tools, and work incidental to complete the item as specified.

**END OF SECTION**

**SECTION 32 01 17.61**  
**SEALING CRACKS IN ASPHALT PAVING**

**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Plans and general provisions of the Contract, including General Provisions for Construction Contracts and Supplementary General Provisions for Construction Contracts and Division 01 Specification Sections, apply to this Section.
- B. Reference Standards
  - 1. Maryland Department of Transportation, Maryland State Highway Administration's (MDOT-SHA) latest Standard Specifications For Construction and Materials

**1.2 SUMMARY**

- A. This work shall consist of cleaning and filling crack 1/2 to 2 in. wide in hot mix asphalt (HMA) pavement as specified in the Contract Documents or as directed by the Engineer. Cracks less than 1/2 in. wide shall not be filled. Distressed areas shall be repaired as specified herein and as directed by the Engineer. Cracks more than 2 in. wide; and map, edge or alligator cracks requiring major repairs are not included in this special provision.
- B. Related Requirements:
  - 1. MDOT-SHA Section 510 – Sealing Cracks and Joints in Asphalt Pavements

**1.3 REFERENCES**

- A. For additional references, refer to the General Provisions and Supplementary Provisions.
- B. Abbreviations and Acronyms:
  - 1. MDOT-SHA: Maryland Department of Transportation – State Highway Administration

**1.4 ACTION/INFORMATIONAL SUBMITTALS**

- A. In accordance with SECTION 01 33 00 Submittals, the Contractor shall submit to the engineer
  - 1. Crack Sealer – Submit product data to confirm compliance with MDOT-SHA Spec 911.01.01
  - 2. Asphalt Repair Mastic - Submit product data to confirm compliance with MDOT-SHA Spec 911.01.02

**1.5 EQUIPMENT**

- A. Equipment shall conform to MDOT-SHA Standard Specification 510.03.01, unless noted otherwise

- B. All equipment shall be subject to approval by the Engineer

## **1.6 QUALITY ASSURANCE**

- A. Quality Control Plan. Submit a Quality Control Plan (QCP) for approval at least 30 days prior to the placement of any crack sealer or asphalt repair mastic. The Plan shall document the proposed methods of controlling the equipment, materials, production, and operations to ensure conformance. The Plan shall also contain a list of technicians working on the project, their qualifications, and a list of all equipment to be used on the project. Discuss the Plan requirements with the Administration prior to the construction.
- B. Training. Technicians working the project must take a mandatory online course from National Highway Institute (NHI), Course No. FHWA-NHI-131110C – Pavement Preservation Treatment Series: Crack Sealing & Filling, and Joint Sealing. The course is provided free of cost. An unofficial transcript of successful completion of the course can be downloaded from NHI's website. Submit transcripts with the QCP.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Crack Sealer – Crack Sealer shall conform to MDOT-SHA Spec 911.01 Joint Sealer and Crack Sealer unless noted otherwise.
- B. Asphalt Repair Mastic – Asphalt Repair Mastic shall conform to MDOT-SHA Spec 911.01.02 Asphalt Repair Mastic unless noted otherwise:

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Cracks shall be identified for repair:
  1. As specified in MDOT SHA Section 510.03.04 Crack Identification.
  2. As specified in MDOT SHA Section 510.03.05 Crack Sealing
  3. As specified in MDOT SHA Section 510.03.06 Asphalt Repair Mastic.
  4. And as directed by the Engineer.

### **3.2 PREPARATION**

- A. Prepare the work as specified in MDOT-SHA Section 510.03.07 Cleaning and Preparation.

### **3.3 INSTALLATION**

- A. Crack sealing shall be performed as specified in MDOT-SHA Section 510.03.08.01 Crack Sealing.

- B. Asphalt repair mastic shall be applied in compliance with MDOT-SHA Section 510.03.08.02 Asphalt Repair Mastic.

**PART 4 - MEASUREMENT AND PAYMENT**

**4.1 SEALING CRACKS:**

- A. Sealing Cracks will be measured per linear foot.
- B. Sealing Cracks will be paid for at the Contract unit price bid, in place. This shall be full compensation for all materials, equipment, labor and tools necessary to complete this work.



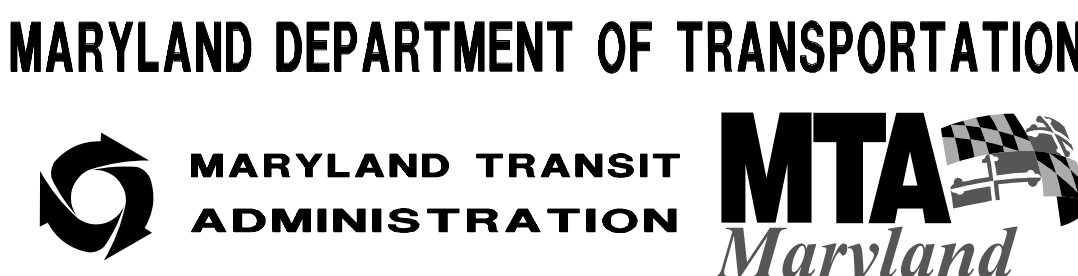


**END OF SECTION**





# INDEX OF SHEETS

SHEET NO.	DWG. NO.	DESCRIPTION	SHEET NO.	DWG. NO.	DESCRIPTION	SHEET NO.	DWG. NO.	DESCRIPTION
<b>GENERAL DRAWINGS</b>								
1	T101	TITLE SHEET						
2	G101	INDEX OF SHEETS						
3	CS01	CIVIL ABBREVIATIONS AND SYMBOLS						
4	GNO1	GENERAL NOTES						
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6	CV01	CIVIL PLAN						
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<b>SIGNING AND PAVEMENT MARKING</b>								
11	TD01	SIGNING AND PAVEMENT MARKING PLAN PARKING LOT 1						
12	TD02	SIGNING AND PAVEMENT MARKING PLAN PARKING LOT 2						
<b>MAINTENANCE OF TRAFFIC</b>								
13	MT01	MAINTENANCE OF TRAFFIC PLAN						

 <b>MARYLAND DEPARTMENT OF TRANSPORTATION</b> MARYLAND TRANSIT ADMINISTRATION <b>MTA</b> Maryland	 <b>AECOM</b>	 <b>WALLACE MONTGOMERY</b> <small>ENGINEERS-PLANNERS-SURVEYORS-CONSTRUCTION MANAGERS</small>	PROFESSIONAL CERTIFICATION <small>I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.</small> <hr/> <small>39917      1/18/2025</small> <small>License No.      Expiration Date</small>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 10%;">BY</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DESCRIPTION	BY	DATE																	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">           APPR    CHECK    DRAWN    DESIGN            SHD      SA      SHD      MCN         </td> <td style="width: 50%; text-align: center;">           OWINGS MILLS METRO PARK &amp; RIDE REHABILITATION             INDEX OF SHEETS             DATE: JULY 1, 2023      SCALE: N.T.S.         </td> </tr> </table>	APPR    CHECK    DRAWN    DESIGN SHD      SA      SHD      MCN	OWINGS MILLS METRO PARK & RIDE REHABILITATION  INDEX OF SHEETS  DATE: JULY 1, 2023      SCALE: N.T.S.	CONTRACT NO. <b>T-1994-0250</b> DRAWING NO. <b>GI01</b> SHEET NO. <b>2 OF 13</b>
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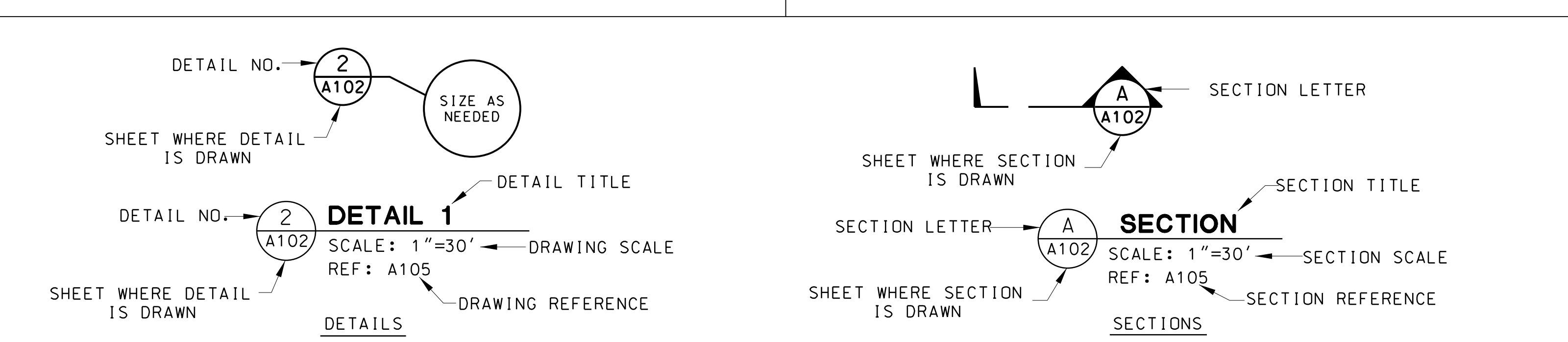
p:\m\mtacbpwapp1\mta\_pw\_data\documents\00- Current Projects- CMAPS\907 AG\01 AGY Facilities - Pavement\1994 Metro Pavement Renob FY22\1994-0220 Owings Mills P&R Rehabilitation\Engineering\Cadd and Survey\

## ABBREVIATIONS

<p>△ TOTAL CENTRAL ANGLE OF SPIRAL AND CIRCULAR CURVES</p> <p>△c CENTRAL ANGLE OF CIRCULAR CURVE</p> <p>AASHTO AMERICAN SOCIETY OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS</p> <p>AC ASPHALT CONCRETE</p> <p>ABAN ABANDONED</p> <p>ABUT ABUTMENT</p> <p>ADAAG ADA ACCESSIBILITY GUIDELINES</p> <p>AGIP AT GRADE INLET PROTECTION</p> <p>AGG AGGREGATE</p> <p>AHD AHEAD</p> <p>AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION</p> <p>APPROX APPROXIMATE</p> <p>ASPH ASPHALT</p> <p>ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS</p> <p>@ AT</p> <p>BIT BITUMINOUS</p> <p>BCCMP BITUMINOUS COATED CORRUGATED METAL PIPE</p> <p>BK BACK</p> <p>BLDG BUILDING</p> <p>B BASELINE</p> <p>BLVD BOULEVARD</p> <p>BM BENCHMARK</p> <p>BOT BOTTOM</p> <p>BRG BEARING</p> <p>BSMT BASEMENT</p> <p>CB CATCH BASIN</p> <p>CC CONCRETE CURB</p> <p>C/C CENTER TO CENTER</p> <p>CD STONE CHECK DAM</p> <p>CEM CEMENT</p> <p>CG CONCRETE GUTTER</p> <p>C&amp;G CURB AND GUTTER</p> <p>CGSP CORR. GALVANIZED STEEL PIPE</p> <p>CIP CAST IRON PIPE</p> <p>C CENTERLINE</p> <p>CL CLASS</p> <p>CMP CORRUGATED METAL PIPE</p> <p>CLR CLEAR</p> <p>CO CLEAN OUT</p> <p>COL COLUMN</p> <p>COMB COMBINED SEWER</p> <p>CONC CONCRETE</p> <p>CONN CONNECTION</p> <p>CONST CONSTRUCTION</p> <p>CRB CURB LINE</p> <p>CSXT CSX TRANSPORTATION INCORPORATED</p> <p>C/T CROSSOVER TRACK</p> <p>CTB CEMENT TREATED BASE</p> <p>Dc DEGREE OF CIRCULAR CURVE</p> <p>DEFL DEFLECTION</p> <p>DEG. ° DEGREES</p> <p>D/I DROP INLET</p> <p>DIA DIAMETER</p> <p>DIP DUCTILE IRON PIPE</p> <p>DN DOWNSPOUT</p> <p>DRWY DRIVEWAY</p> <p>DWG DRAWING</p> <p>DWLG DWELLING</p> <p>E EAST</p> <p>EA EACH</p> <p>EB EASTBOUND</p> <p>EL ELEVATION</p> <p>ELCP ELLIPTICAL CONCRETE PIPE</p> <p>ELEC ELECTRIC</p> <p>EM ELECTRIC METER</p> <p>EMB EMBANKMENT</p> <p>E/P EDGE OF PAVEMENT</p> <p>EQ EQUAL</p> <p>EQL EQUILATERAL</p> <p>EON EQUATION</p> <p>E/R EDGE OF ROAD</p> <p>E/S EDGE OF STREAM</p> <p>ESMT EASEMENT</p> <p>EXIST EXISTING</p> <p>EXP EXPANSION</p> <p>EXT EXTERIOR</p> <p>FC FIELD CONNECTION</p>	<p>FF FAR FACE</p> <p>FG FINISH GRADE</p> <p>FH FIRE HYDRANT</p> <p>FL FLOOR, FLOWLINE</p> <p>FR FRAME</p> <p>FT. ' FOOT, FEET</p> <p>F/T FUTURE TRACK</p> <p>FUT FUTURE</p> <p>GALV GALVANIZED</p> <p>GM GAS METER</p> <p>GND GROUND</p> <p>GR GRADE</p> <p>GV GAS VALVE</p> <p>GW GUY WIRE</p> <p>H HEIGHT</p> <p>HBX HAND BOX</p> <p>HDPE HIGH DENSITY POLYETHYLENE</p> <p>HMA HOT MIX ASPHALT</p> <p>HORIZ HORIZONTAL</p> <p>HP HIGH POINT</p> <p>H/W HEAD WALL</p> <p>I INLET</p> <p>ID INSIDE DIAMETER</p> <p>IN. " INCH</p> <p>INT INTERIOR</p> <p>INV INVERT</p> <p>JB JUNCTION BOX</p> <p>LB POUND</p> <p>Lc TOTAL LENGTH OF CIRCULAR CURVE, IN FEET</p> <p>LF LINEAR FEET</p> <p>LOD LIMIT OF DISTURBANCE</p> <p>LP LOW POINT</p> <p>LPLG LEAD PLUG (SURVEY MONUMENT)</p> <p>LR LONG RADIUS</p> <p>LRT LIGHT RAIL TRANSIT</p> <p>LRV LIGHT RAIL VEHICLE</p> <p>LT LEFT</p> <p>MARC MARYLAND RAIL COMMUTER</p> <p>MAX MAXIMUM</p> <p>MH MANHOLE</p> <p>MIN MINIMUM</p> <p>MIN. ' MINUTE</p> <p>MISC MISCELLANEOUS</p> <p>MON MONUMENT</p> <p>MPH MILES PER HOUR</p> <p>MSL MEAN SEA LEVEL</p> <p>MTA MARYLAND TRANSIT ADMINISTRATION</p> <p>N NORTH</p> <p>N/A NOT APPLICABLE</p> <p>NB NORTHBOUND</p> <p>N/E NORTH LINE - EAST TRACK</p> <p>NF NEAR FACE</p> <p>N/F NOW OR FORMERLY</p> <p>NIC NOT IN CONTRACT</p> <p>NO. # NUMBER</p> <p>NTS NOT TO SCALE</p> <p>N/W NORTH LINE-WEST TRACK</p> <p>OD OUTSIDE DIAMETER</p> <p>OPP OPPOSITE</p> <p>PAVT PAVEMENT</p> <p>PC POINT OF CHANGE FROM TANGENT TO CIRCULAR CURVE</p> <p>PCC POINT OF COMPOUND CIRCULAR CURVES</p> <p>PED PEDESTRIAN</p> <p>PERF PERFORATED</p> <p>PERM PERMANENT</p> <p>PGE PROFILE GRADE ELEVATION</p> <p>PGL PROFILE GRADE LINE</p> <p>PI POINT OF INTERSECTION OF TWO TANGENTS</p> <p>PK PARKER-KALON NAIL (SURVEY MARKER)</p> <p>PKG PARKING</p> <p>PL PROPERTY LINE</p> <p>PLAT PLATFORM</p> <p>POB POINT OF BEGINNING</p> <p>POC POINT ON CURVE</p> <p>POE POINT OF ENDING</p> <p>POL POINT ON LINE</p> <p>POT POINT ON TANGENT</p> <p>PRC POINT OF REVERSE CURVES</p>	<p>PROP PROPOSED</p> <p>PST PORTABLE SEDIMENT TANK</p> <p>PT POINT OF CHANGE FROM CIRCULAR CURVE TO TANGENT</p> <p>PV PETROLEUM VALVE</p> <p>PVC POLYVINYL CHLORIDE</p> <p>R RADIUS</p> <p>RCEP REINFORCED CONCRETE ELLIPTICAL PIPE</p> <p>RCP REINFORCED CONCRETE PIPE</p> <p>REF REFERENCE</p> <p>REINF REINFORCED</p> <p>REOD REQUIRED</p> <p>RET RETAINING</p> <p>RP RAMP</p> <p>RR RAILROAD</p> <p>RT RIGHT</p> <p>R/W RIGHT OF WAY</p> <p>S SOUTH</p> <p>SAN SANITARY</p> <p>SB SOUTHBOUND</p> <p>SCE STABILIZED CONSTRUCTION ENTRANCE</p> <p>SCH SCHEDULE</p> <p>SD STORM DRAIN</p> <p>S/E SOUTH LINE - EAST TRACK</p> <p>SEC. " SECOND</p> <p>SECT SECTION</p> <p>SF SILT FENCE</p> <p>S.F. SQUARE FOOT</p> <p>SG SUBGRADE</p> <p>SHA STATE HIGHWAY ADMINISTRATION</p> <p>SHLD SHOULDER</p> <p>SHT SHEET</p> <p>SIG SIGNAL</p> <p>SLP SLOPE</p> <p>SP SPACING</p> <p>STA STATION</p> <p>STD STANDARD</p> <p>STL STEEL</p> <p>STR STRUCTURE</p> <p>SURF SURFACE</p> <p>SW SIDE WALK</p> <p>S/W SOUTH LINE - WEST TRACK</p> <p>SWM STORMWATER MANAGEMENT</p> <p>TB TEST BORING</p> <p>Tc TANGENT LENGTH OF CIRCULAR CURVE</p> <p>T/C TOP OF CURB</p> <p>TEL TELEPHONE</p> <p>TEMP TEMPORARY</p> <p>T/G TOP OF GROUND</p> <p>T.G. TOP OF GRATE</p> <p>TOPO TOPOGRAPHY</p> <p>TP TEST PIT</p> <p>T/P TOP OF PAVEMENT</p> <p>T/R TOP OF RAIL</p> <p>TRK TRACK</p> <p>TR SIG TRAFFIC SIGNAL</p> <p>T.S. TOP OF STRUCTURE</p> <p>TYP TYPICAL</p> <p>UD UNDERDRAIN</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>V VELOCITY</p> <p>VAR VARIES</p> <p>VCP VITRIFIED CLAY PIPE</p> <p>VERT VERTICAL</p> <p>W WEST</p> <p>W/ WITH</p> <p>W/O WITHOUT</p> <p>WAT WATER</p> <p>WB WESTBOUND</p> <p>WHSE WAREHOUSE</p> <p>WM WATER METER</p> <p>WMATA WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</p> <p>WP WORK POINT</p> <p>WS WATER SURFACE</p> <p>WV WATER VALVE</p> <p>X-ING CROSSING</p> <p>X-OVER CROSSOVER</p>
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## SYMBOLS

EXISTING	PROPOSED	EXISTING	PROPOSED
----- RIGHT-OF-WAY	=====	140 MAJOR CONTOUR LINE	140 MAJOR CONTOUR LINE
----- PROPERTY LINE	-----	141 MINOR CONTOUR LINE	141 MINOR CONTOUR LINE
----- PARCEL NUMBER	#500	103.1 x SPOT ELEVATION	103.1 SPOT ELEVATION
----- MATCHLINE AND SECTION LINE	-----	▽ EL. HIGH WATER	▽ EL. HIGH WATER
----- TRACK (TRANSIT) CENTER LINE	-----	----- DITCH	----- DITCH
----- CENTER LINE	-----	===== SWALE	===== SWALE
----- BASE LINE	-----	----- SURFACE FLOW DIRECTION	----- SURFACE FLOW DIRECTION
----- POINT OF INTERSECTION OF TANGENTS	-----	27" RCP STORM DRAIN LINE	27" RCP STORM DRAIN LINE
----- STATION EQUATION OR INTERSECTION OF BASELINES	-----	UD UNDERDRAIN LINE	UD UNDERDRAIN LINE
TRAV. PT. 10 △ PRIMARY HORIZONTAL CONTROL - TRAVERSE POINT	-----	DI DROP INLET, CATCH BASIN OR DRAIN	DI DROP INLET, CATCH BASIN OR DRAIN
△ BENCH MARK	-----	CULVERT WITH HEADWALLS	CULVERT WITH HEADWALLS
TB 18 TEST BORING 18	-----	MANHOLE (TYPE AS NOTED)	MANHOLE (TYPE AS NOTED)
TP 22 TEST PIT	-----	CLEANOUT	CLEANOUT
----- STRUCTURE OUTLINE	-----	8" W WATER LINE	12" W WATER LINE
----- METAL FENCE (CHAIN LINK)	-----	12" G GAS LINE	6" G GAS LINE
----- ORNAMENTAL METAL FENCE	-----	8" S SANITARY LINE	12" S SANITARY LINE
----- WOOD FENCE	-----	----- UNDERGROUND TELEPHONE LINE	----- UNDERGROUND TELEPHONE LINE
RAILROAD TRACKS	RAILROAD TRACKS	----- OVERHEAD TELEPHONE LINE	----- OVERHEAD TELEPHONE LINE
CC CONCRETE CURB	CC CONCRETE CURB	----- UNDERGROUND ELECTRIC LINE	----- UNDERGROUND ELECTRIC LINE
C&G CONCRETE CURB AND GUTTER	C&G CONCRETE CURB AND GUTTER	----- OVERHEAD ELECTRIC LINE	----- OVERHEAD ELECTRIC LINE
DETECTABLE WARNING SURFACE	DETECTABLE WARNING SURFACE	----- ELECTRICAL JUNCTION BOX	----- ELECTRICAL JUNCTION BOX
WALLS	WALLS	----- ELECTRIC METER	----- ELECTRIC METER
TRAFFIC BARRIER	TRAFFIC BARRIER	----- UNDERGROUND FIBER OPTIC LINE	----- UNDERGROUND FIBER OPTIC LINE
BILLBOARD OR LARGE SIGN	BILLBOARD OR LARGE SIGN	----- OVERHEAD FIBER OPTIC LINE	----- OVERHEAD FIBER OPTIC LINE
SIGNS - NON-TRAFFIC	SIGNS - NON-TRAFFIC	POLE NO. UTILITY POLE	POLE NO. UTILITY POLE
SIGNS - TRAFFIC	SIGNS - TRAFFIC	LIGHT POLE	LIGHT POLE
CUT SLOPE - TOP	CUT SLOPE - TOP	----- FIRE HYDRANT	----- FIRE HYDRANT
FILL SLOPE - TOE	FILL SLOPE - TOE	----- ITEM TO BE REMOVED	----- ITEM TO BE REMOVED



**MARYLAND DEPARTMENT OF TRANSPORTATION**



**PROFESSIONAL CERTIFICATION**

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland

39917 License No. 1/18/2025 Expiration Date

NO.	DESCRIPTION	BY	DATE

<p>OWINGS MILLS METRO PARK &amp; RIDE REHABILITATION</p>	<p>CONTRACT NO. T-1994-0250</p>
<p>CIVIL ABBREVIATIONS AND SYMBOLS</p>	<p>DRAWING NO. CS01</p>
<p>DATE: JULY 1, 2023</p>	<p>SHEET NO. 3 OF 13</p>
<p>SCALE: N.T.S.</p>	

p:\MTACBP\WAPP1\MTA\_PW\_Data\Documents\00- Current Projects- CMAPS\907 AG\01 AGY Facilities - Pavement\1994 Metro Pavement Rehab FY22\1994-0220 Owings Mills P&R Rehabilitation\Engineering\Cadd and Survey\



## GENERAL NOTES

1. HORIZONTAL CONTROL: THIS PROJECT IS ORIENTATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM NAD 83/91.
2. VERTICAL CONTROL: ALL ELEVATIONS ARE IN FEET AND ARE RELATIVE TO EXISTING FEATURES.
3. BASE TOPOGRAPHIC SURVEY INFORMATION FOR THIS CONTRACT WAS ESTABLISHED FROM AERIAL PHOTOGRAMMETRIC MAPPING IN 2016, PARKING LOT AS-BUILT PLANS FROM 1999 AND 2014, AND A SITE VISIT IN NOV 2022.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO GRADE FOR POSITIVE DRAINAGE WITHIN THE PARKING LOT, AT ALL ENTRANCES, AND ALONG ALL CURB LINES IN ACCORDANCE WITH THE PROPOSED DRAINAGE PATTERNS AS SHOWN ON THE PLANS. IN NO CASE SHALL THIS REQUIREMENT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO CONSTRUCT ALL FACILITIES WITHIN ADA REGULATIONS.
5. ALL EXISTING STORM DRAIN STRUCTURES, SEWER MANHOLES, UTILITY MANHOLES, INLETS, VALVE BOXES, VAULTS, ETC. SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET THE FINISHED GRADE ELEVATION AS NOTED ON THE PLANS, UNLESS THESE APPURTENANCES ARE ABANDONED UNDER THIS CONTRACT.
6. THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ON THESE PLANS ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ALL CONCERNED UTILITY OWNERS PRIOR TO CONSTRUCTION.
7. REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION SHALL BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.
8. MATERIAL REMOVED DURING CONSTRUCTION INCLUDING ASPHALT, SIGNS, LIGHT POLES, ETC. SHALL BECOME THE CONTRACTOR'S PROPERTY UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESET ANY SIGN POST OR OTHER APPURTENANCES REMOVED DURING THE CONSTRUCTION TO FACILITATE HIS WORK, EXCEPT WHERE SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL PERFORM ALL WORK IN A MANNER THAT WILL ENSURE THE SAFETY OF THE GENERAL PUBLIC, COMMUTERS, AND EMPLOYEES OF THE CONTRACTOR, MTA, ETC.
11. ANY DAMAGE TO EXISTING CURBING ADJACENT TO NEW PAVING SHALL BE REPAIRED OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
12. UNLESS OTHERWISE NOTED, ALL SAW CUTTING SHALL BE FULL DEPTH.
13. PRIOR TO PERFORMING EXCAVATION OR GRADING AT ANY LOCATION, CONTACT "MISS UTILITY", 1-800-257-7777 AT LEAST 48 HOURS IN ADVANCE OF THE PROPOSED WORK.
14. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A SITE SPECIFIC PROJECT SAFETY PLAN TO THE ENGINEER. NO WORK ACTIVITIES WILL BE PERMITTED BY THE CONTRACTOR ON SITE UNTIL THE PROJECT SAFETY PLAN HAS BEEN REVIEWED AND APPROVED BY MTA.

**MARYLAND DEPARTMENT OF TRANSPORTATION**



**PROFESSIONAL CERTIFICATION**

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland

39917      1/18/2025  
License No.      Expiration Date

NO.	DESCRIPTION	BY	DATE
REVISIONS			

APPR	SHD
CHECK	SHD
DRAWN	SA
DESIGN	MCN

<p><b>OWINGS MILLS METRO PARK &amp; RIDE REHABILITATION</b></p> <p><b>GENERAL NOTES</b></p> <p>DATE: JULY 1, 2023      SCALE: N.T.S.</p>
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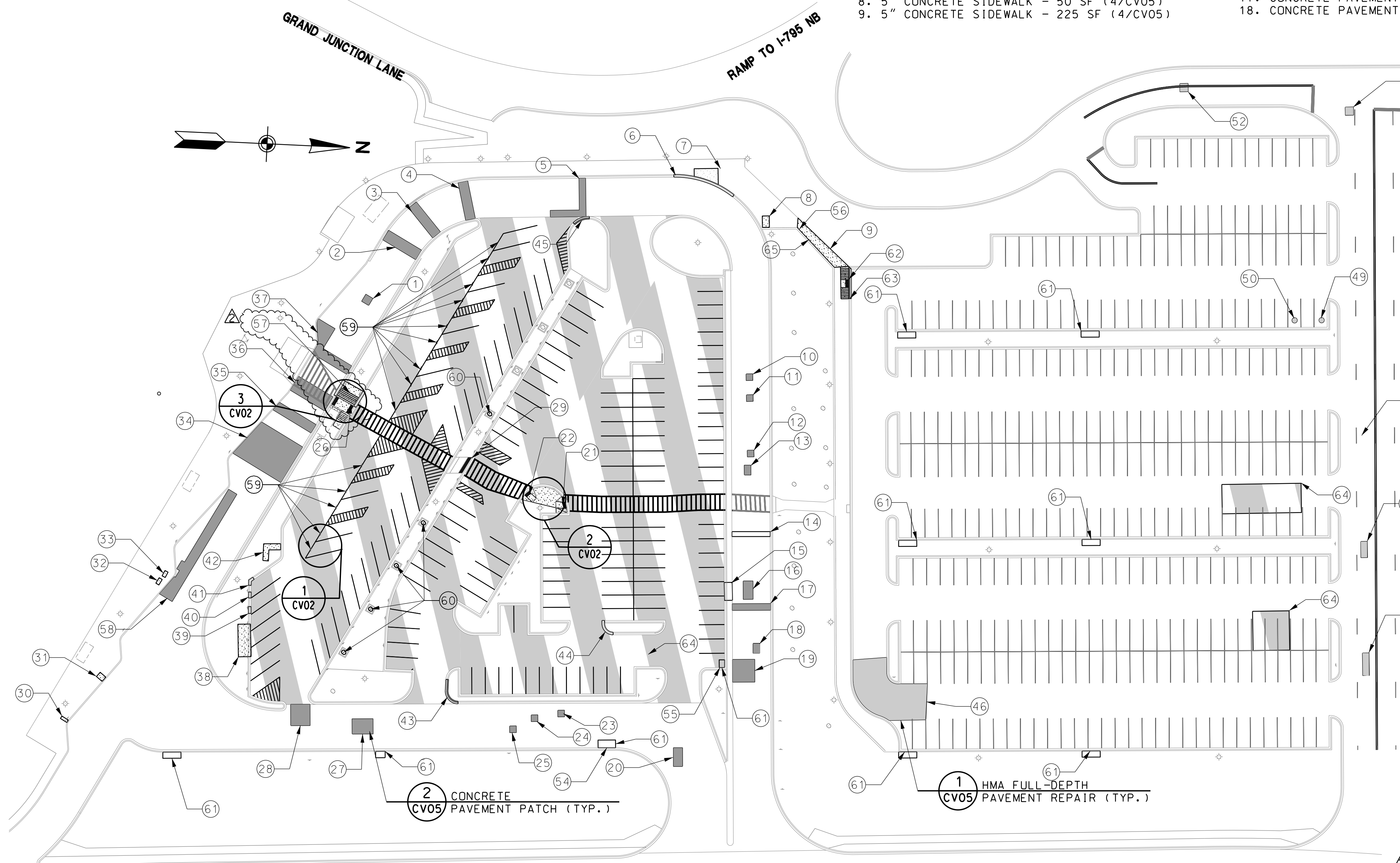
CONTRACT NO. T-1994-0250	DRAWING NO. GN01
SHEET NO.	
4	OF 13

p:\MTACBP\WAPP1\MTA\_PW\_Data\Documents\00- Current Projects\CMAPS\907 AG\01 AGY Facilities - Pavement\1994 Metro Pavement Renob FY22\1994-0220 Owings Mills P&R Rehabilitation\Engineering\Cadd and Survey\



QUANTITY TABULATION BREAKDOWN BY LOCATION

- |   |  |  |
|---|--|--|
| 1. CONCRETE PAVEMENT PATCHING - 25 SF (2/CV05)  | 10. CONCRETE PAVEMENT PATCHING - 16 SF (2/CV05)  | 19. CONCRETE PAVEMENT PATCHING - 195 SF (2/CV05) |
| 2. CONCRETE PAVEMENT PATCHING - 165 SF (2/CV05) | 11. CONCRETE PAVEMENT PATCHING - 16 SF (2/CV05)  | 20. CONCRETE PAVEMENT PATCHING - 65 SF (2/CV05)  |
| 3. CONCRETE PAVEMENT PATCHING - 145 SF (2/CV05) | 12. CONCRETE PAVEMENT PATCHING - 16 SF (2/CV05)  | 21. TACTILE WARNING SURFACE - 10 SF (2/CV04)     |
| 4. CONCRETE PAVEMENT PATCHING - 144 SF (2/CV05) | 13. CONCRETE PAVEMENT PATCHING - 24 SF (2/CV05)  | 22. TACTILE WARNING SURFACE - 10 SF (2/CV04)     |
| 5. CONCRETE PAVEMENT PATCHING - 265 SF (2/CV05) | 14. GRIND BOLTS TO EXISTING PAVEMENT ELEVATION   | 23. CONCRETE PAVEMENT PATCHING - 16 SF (2/CV05)  |
| 6. REPLACE CONC. CURB & GUTTER - 40 LF (1/CV03) | 15. REPLACE CONC. CURB & GUTTER - 12 LF (1/CV03) | 24. CONCRETE PAVEMENT PATCHING - 16 SF (2/CV05)  |
| 7. 5" CONCRETE SIDEWALK - 300 SF (4/CV05)       | 16. CONCRETE PAVEMENT PATCHING - 69 SF (2/CV05)  | 25. CONCRETE PAVEMENT PATCHING - 16 SF (2/CV05)  |
| 8. 5" CONCRETE SIDEWALK - 50 SF (4/CV05)        | 17. CONCRETE PAVEMENT PATCHING - 96 SF (2/CV05)  | 26. TACTILE WARNING SURFACE - 24 SF (2/CV04)     |
| 9. 5" CONCRETE SIDEWALK - 225 SF (4/CV05)       | 18. CONCRETE PAVEMENT PATCHING - 24 SF (2/CV05)  |  |



- |   |
|---|
| 27. CONCRETE PAVEMENT PATCHING - 121 SF (2/CV05)                    |
| 28. CONCRETE PAVEMENT PATCHING - 158 SF (2/CV05)                    |
| 29. TACTILE WARNING SURFACE - 20 SF (2/CV04)                        |
| 30. 5" CONCRETE SIDEWALK - 25 SF (4/CV05)                           |
| 31. 5" CONCRETE SIDEWALK - 25 SF (4/CV05)                           |
| 32. 5" CONCRETE SIDEWALK - 25 SF (4/CV05)                           |
| 33. 5" CONCRETE SIDEWALK - 25 SF (4/CV05)                           |
| 34. CONCRETE PAVEMENT PATCHING - 850 SF (2/CV05)                    |
| 35. CONCRETE PAVEMENT PATCHING - 164 SF (2/CV05)                    |
| 36. CONCRETE PAVEMENT PATCHING - 250 SF (2/CV05)                    |
| 37. CONCRETE PAVEMENT PATCHING - 270 SF (2/CV05)                    |
| 38. 5" CONCRETE SIDEWALK - 175 SF (4/CV05)                          |
| 39. REPLACE CONC. CURB & GUTTER - 4.5 LF (1/CV03)                   |
| 40. REPLACE CONC. CURB & GUTTER - 4 LF (1/CV03)                     |
| 41. REPLACE CONC. CURB & GUTTER - 6LF (1/CV03)                      |
| 42. 5" CONCRETE SIDEWALK - 75 SF (4/CV05)                           |
| 43. REPLACE CONC. CURB & GUTTER - 20 LF (1/CV03)                    |
| 44. REPLACE CONC. CURB & GUTTER - 13 LF (1/CV03)                    |
| 45. REPLACE CONC. CURB & GUTTER - 11 LF (1/CV03)                    |
| 46. HMA FULL-DEPTH PAVEMENT REPAIR - 136 SY (1/CV05)                |
| 47. HMA FULL-DEPTH PAVEMENT REPAIR - 7 SY (1/CV05)                  |
| 48. HMA FULL-DEPTH PAVEMENT REPAIR - 5 SY (1/CV05)                  |
| 49. HMA FULL-DEPTH PAVEMENT REPAIR - 1 SY (1/CV05)                  |
| 50. HMA FULL-DEPTH PAVEMENT REPAIR - 1 SY (1/CV05)                  |
| 51. HMA FULL-DEPTH PAVEMENT REPAIR - 3 SY (1/CV05)                  |
| 52. HMA FULL-DEPTH PAVEMENT REPAIR - 3 SY (1/CV05)                  |
| 53. REMOVAL OF EXISTING PAVEMENT MARKING - 400 SF                   |
| 54. RESET INLET TOP - 1 EA  |
| 55. RESET INLET TOP - 1 EA  |
| 56. HANDRAIL - 20 LF (4/CV03)                                       |
| 57. 5" CONCRETE SIDEWALK - 286 SF (37/CV02) (4/CV05)                |
| 58. CONCRETE PAVEMENT PATCHING - 508 SF (27/CV05)                   |
| 59. REMOVE EX. WHEEL STOP AND INSTALL NEW BOLLARDS - 14 EA (1/CV02) |
| 60. PLANT TREE - 5 EA   |
| 61. INLET PROTECTION - 5 EA   |
| 62. TACTILE WARNING SURFACE - 10 SF (2/CV04)                        |
| 63. REPLACE CONC. CURB & GUTTER - 20 LF (1/CV03)                    |
| 64. MILL AND OVERLAY HMA PAVEMENT 2 INCH DEPTH - 7410 SY (3/CV05)   |
| 65. REMOVE AND DISPOSE EXISTING HANDRAIL - 10 LF (4/CV03)           |

SUGGESTED SEQUENCE OF CONSTRUCTION

- |  |   |
|--|---|
| 1. PLACE STANDARD INLET PROTECTION SEDIMENT CONTROL DEVICES AT INLETS DOWNSTREAM OF CONSTRUCTION THAT MAY EXPOSE EARTH.  | 3. AN ACCESSIBLE ROUTE FROM THE ACCESSIBLE PARKING AREA TO THE BUS STOPS AND METRO STATION MUST BE MAINTAINED WITH CURRENT LEVEL OF ACCESSIBILITY AT ALL TIMES. A MINIMUM OF 12 ACCESSIBLE PARKING SPACES INCLUDING 2 VAN ACCESSIBLE PARKING SPACES MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION |
| 2. INSTALL TRAFFIC CONTROL DEVICES AND PVMS SIGN IN ADVANCE OF CONSTRUCTION WORK. PLACE DRUMS FOR MAINTENANCE OF TRAFFIC. WORK SHALL BE STAGED IN A WAY THAT DOES NOT CLOSE MORE THAN 1/4 OF THE TOTAL NUMBER OF PARKING SPACES DURING REVENUE HOURS | 4. BUS TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION  |
|  | 5. CONSTRUCT CONCRETE PAVEMENT, CONCRETE CURB REPLACEMENT, FULL-DEPTH HMA PAVEMENT, MILLING AND OVERLAY HMA PAVEMENT, CONCRETE RAMPS AND SIDEWALK   |
|  | 6. REMOVE TEMPORARY CHANNELIZING DEVICES, AND SEDIMENT CONTROL DEVICES.   |

NOTES:

- PRIOR TO THE REMOVAL/DEMOLITION OF PAVEMENT OR CONCRETE CURB, CONTRACTOR SHALL MEET WITH THE RESIDENT ENGINEER TO AGREE ON THE LIMITS AND SIZE OF ALL REPAIRS. FINAL DIMENSIONS OF REPAIRS CAN BE ADJUSTED AT THE RESIDENT ENGINEER'S DISCRETION.
- AFTER MILLING OPERATION, CONTRACTOR SHALL APPLY CRACK SEAL TO CRACKS BETWEEN 1/2" AND 2" IN ASPHALT BASE. CONTRACTOR SHALL DELINEATE CRACKS AND GAIN RESIDENT ENGINEER APPROVAL PRIOR TO PERFORMING THE WORK.
- SEE TD01 TO TD02 FOR SIGNING AND PAVEMENT MARKING PLAN.

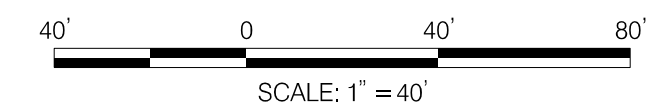
LEGEND

- HMA MILL & OVERLAY
- HMA FULL-DEPTH PAVEMENT REPAIR
- CONCRETE PAVEMENT PATCHING
- CONCRETE SIDEWALK REPLACEMENT

QUANTITY TABULATION TOTALS

PAVEMENT	
142 S.Y.	HMA FULL-DEPTH PAVEMENT REPAIR
7244 S.Y.	HMA MILL & OVERLAY PAVEMENT
408 S.Y.	CONCRETE PAVEMENT PATCHING
5000 L.F.	CRACK SEAL ASPHALT BASE
SIDEWALK	
1432 S.F.	5 INCH CONCRETE SIDEWALK
62 S.F.	TACTILE WARNING SURFACE
121 L.F.	REPLACE COMB. CONCRETE CURB & GUTTER
14 EA.	REMOVE WHEEL STOPS
14 EA.	INSTALL NEW BOLLARDS

PAINTERS MILL ROAD



**MARYLAND DEPARTMENT OF TRANSPORTATION**

**MARYLAND TRANSIT ADMINISTRATION**

**MTA Maryland**

**AECOM**

**WALLACE MONTGOMERY**  
ENGINEERS-PLANNERS-SURVEYORS-CONSTRUCTION MANAGERS

PROFESSIONAL CERTIFICATION  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland

39917 License No. 1/18/2025 Expiration Date

NO.	DESCRIPTION	BY	DATE
REVISIONS			

ADDENDUM #2.  
EJM 01/2024

**OWINGS MILLS METRO PARK & RIDE REHABILITATION**

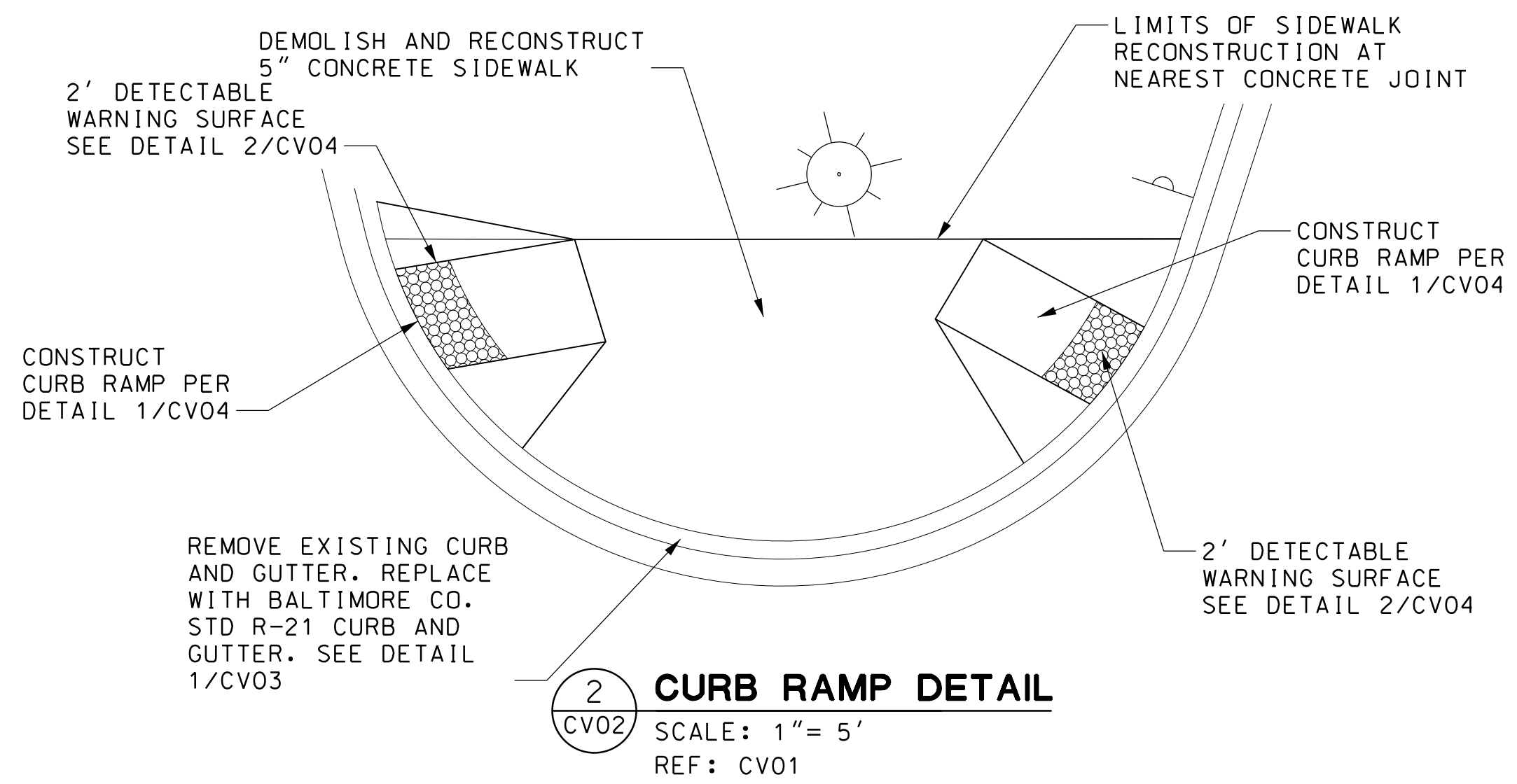
CIVIL PLAN

DATE: JULY 1, 2023 SCALE: 1" = 40'

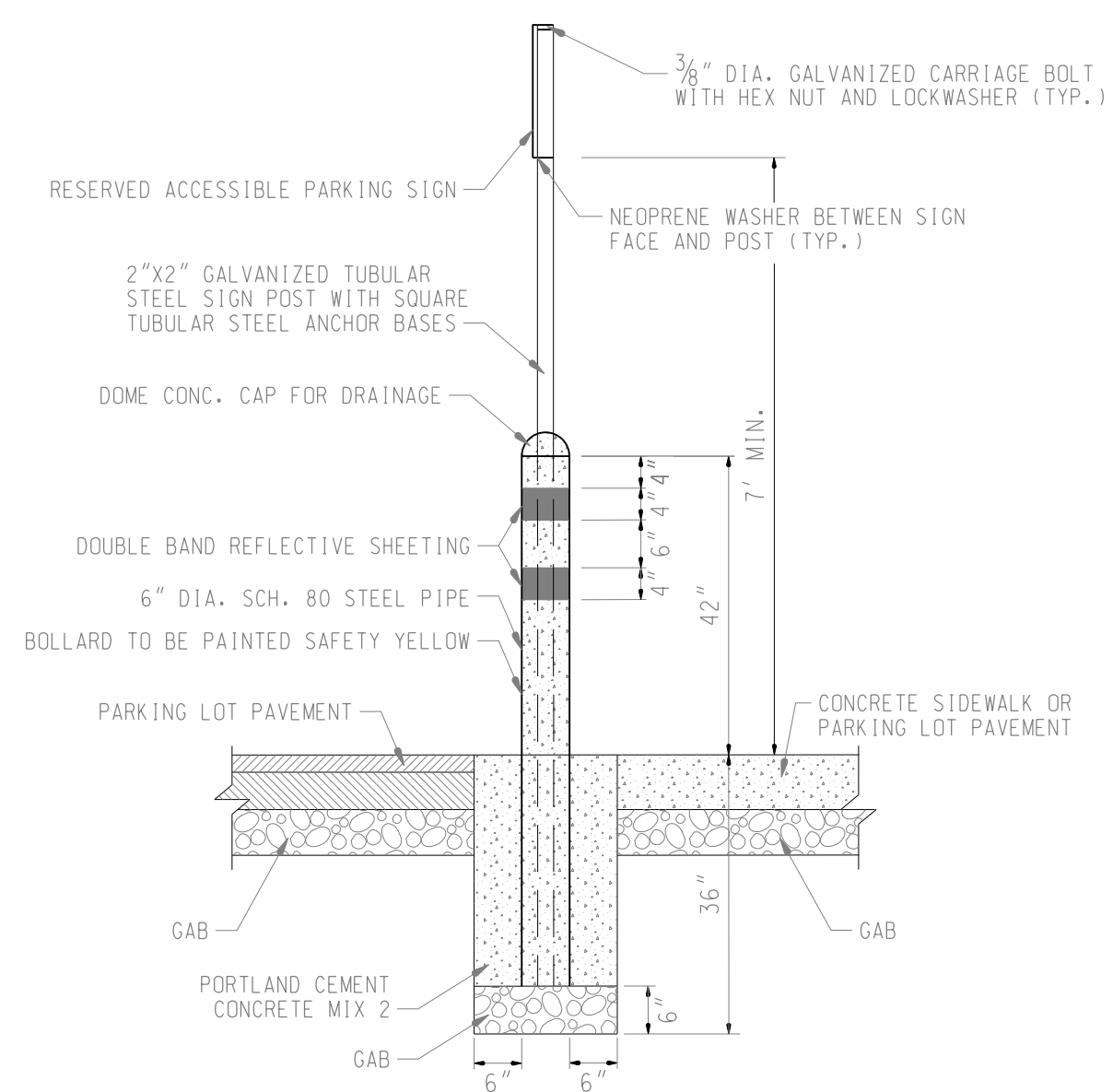
CONTRACT NO. T-1994-0250
DRAWING NO. CV01
SHEET NO. 6 OF 13

P:\MTACBP\WAPP1\MTA\_PW\_Data\Documents\00- Current Projects - CMAPS\907 AG\01 AGY Facilities - Pavement\1994 Metro Pavement Renob FY22\1994-0220 Owings Mills P&R Rehabilitation\Engineering\Cadd and Survey\

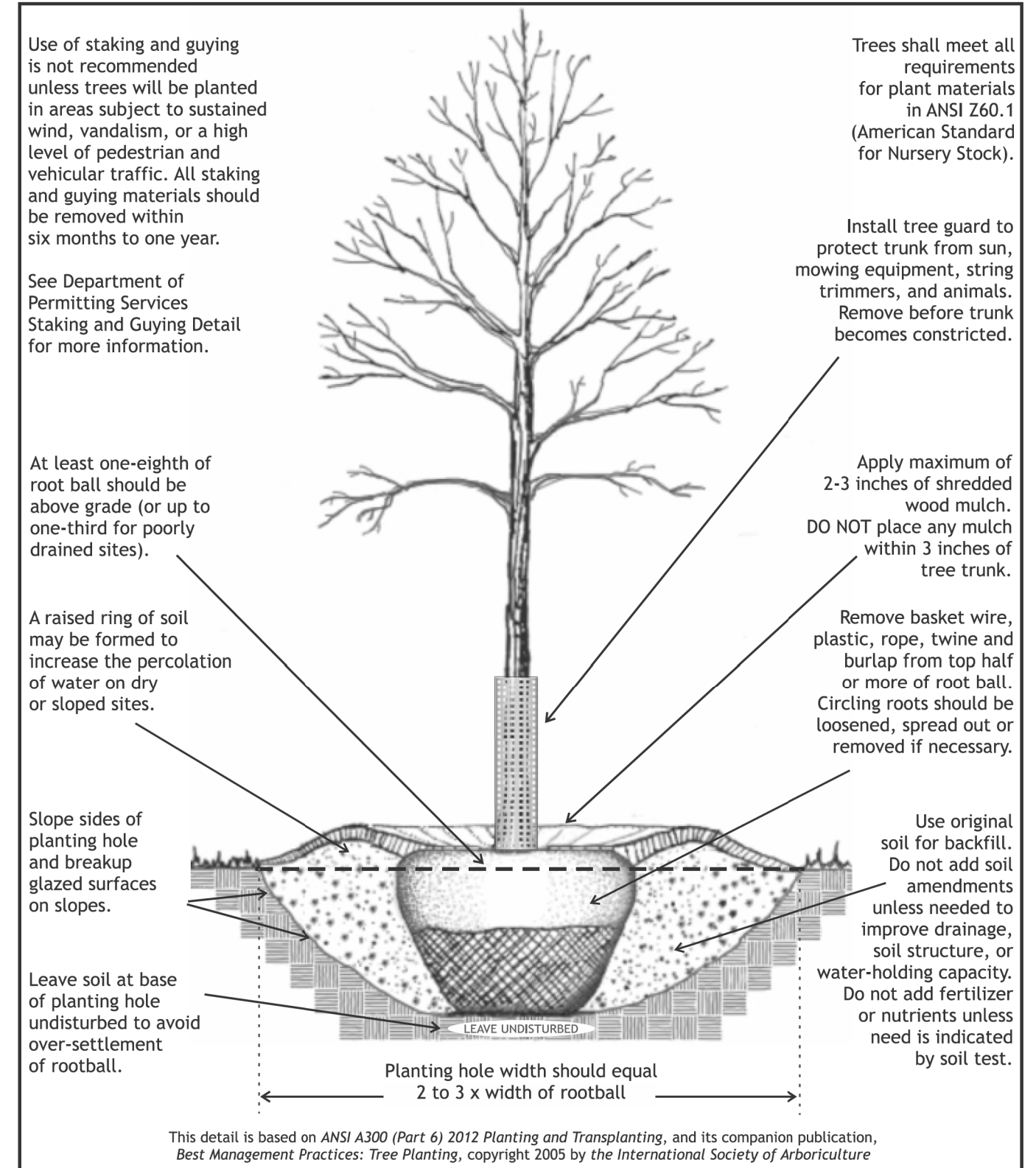




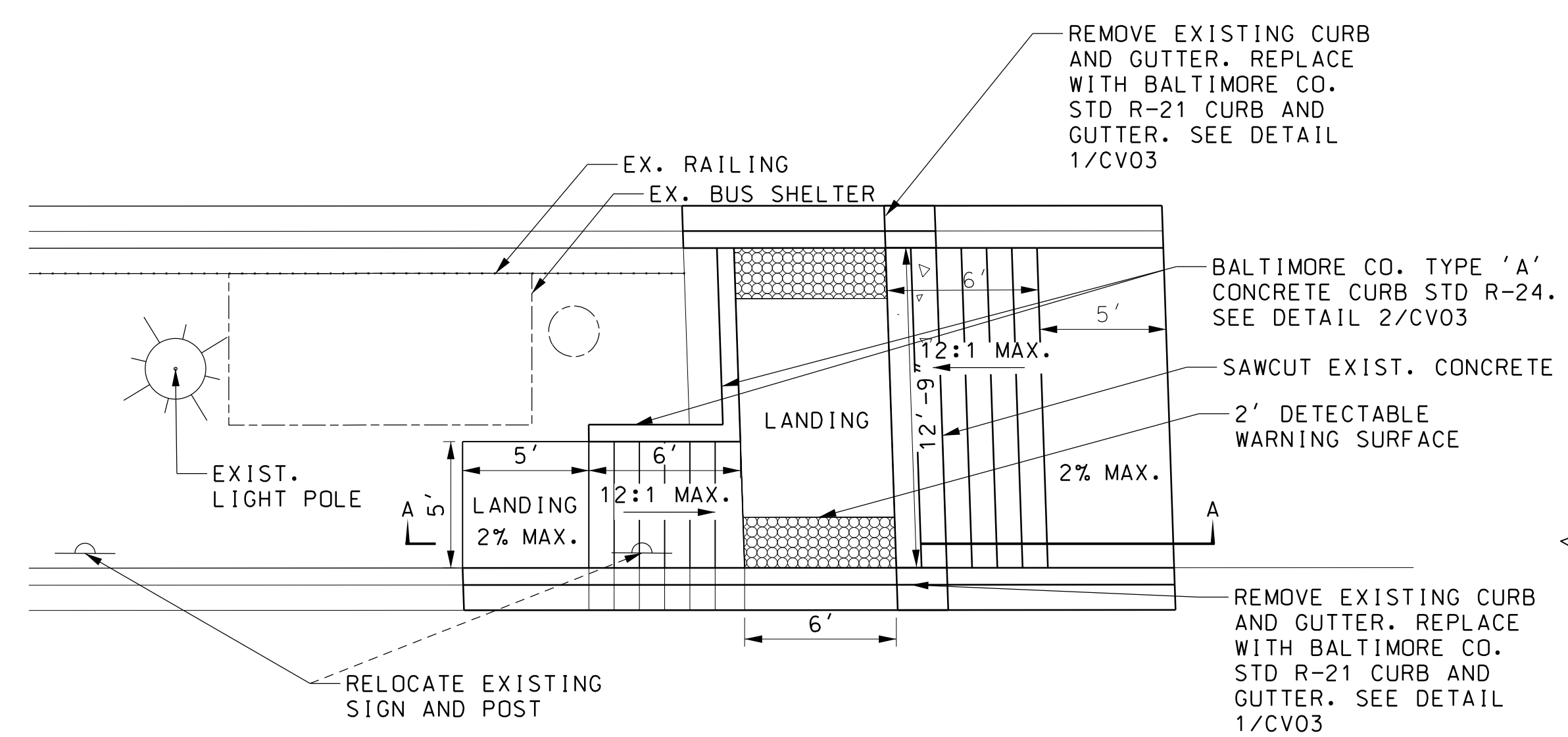
**2 CURB RAMP DETAIL**  
 SCALE: 1" = 5'  
 REF: CV01



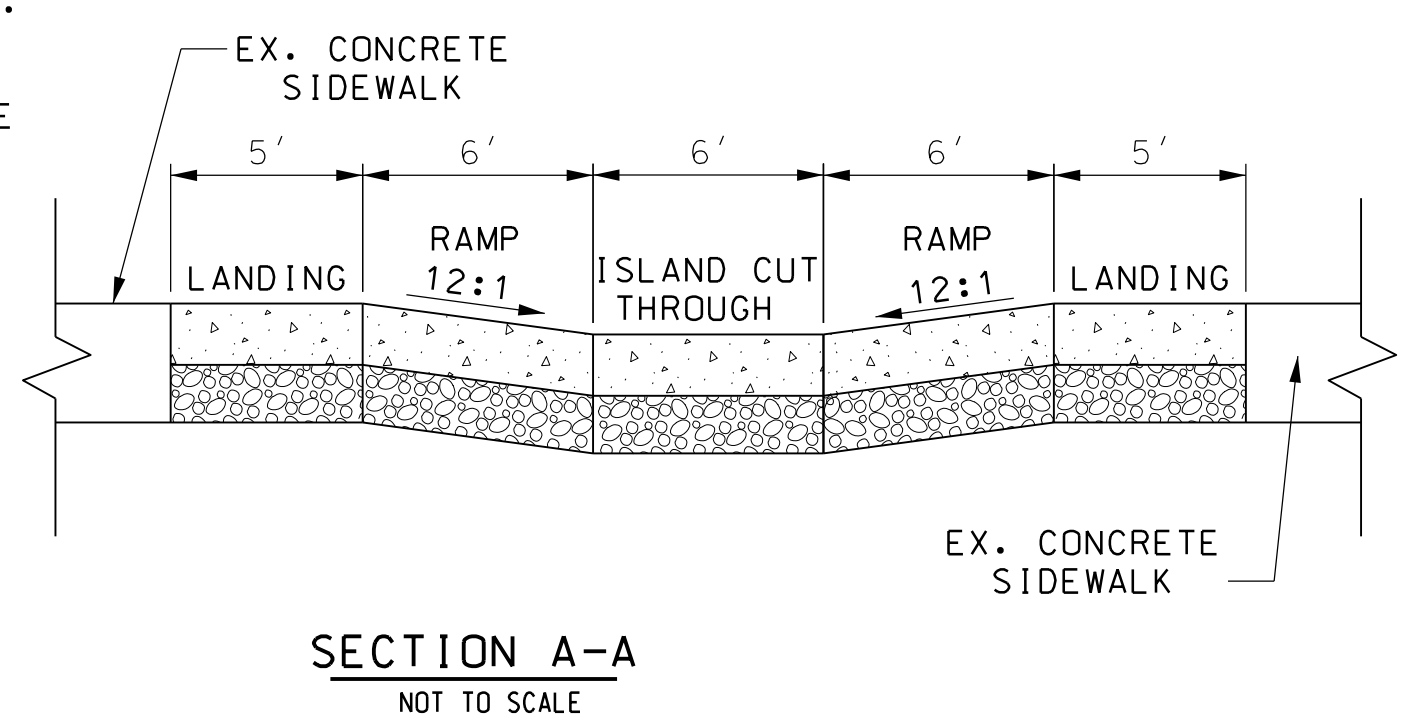
**1 STEEL BOLLARD**  
 SCALE: N.T.S.  
 REF: CV01



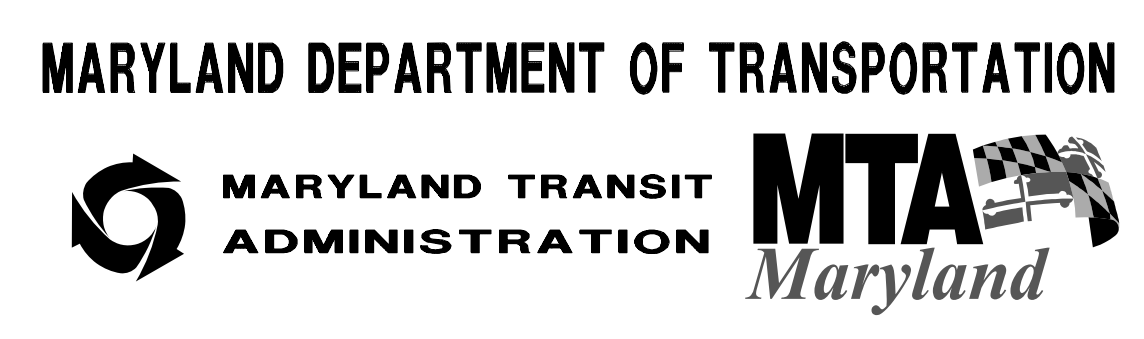
**4 TREE PLANTING**  
 SCALE: N.T.S.  
 REF: CV01



**3 CURB RAMP DETAIL**  
 SCALE: NOT TO SCALE  
 REF: CV01



**SECTION A-A**  
 NOT TO SCALE



PROFESSIONAL CERTIFICATION  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland  
 39917 License No. 1/18/2025 Expiration Date

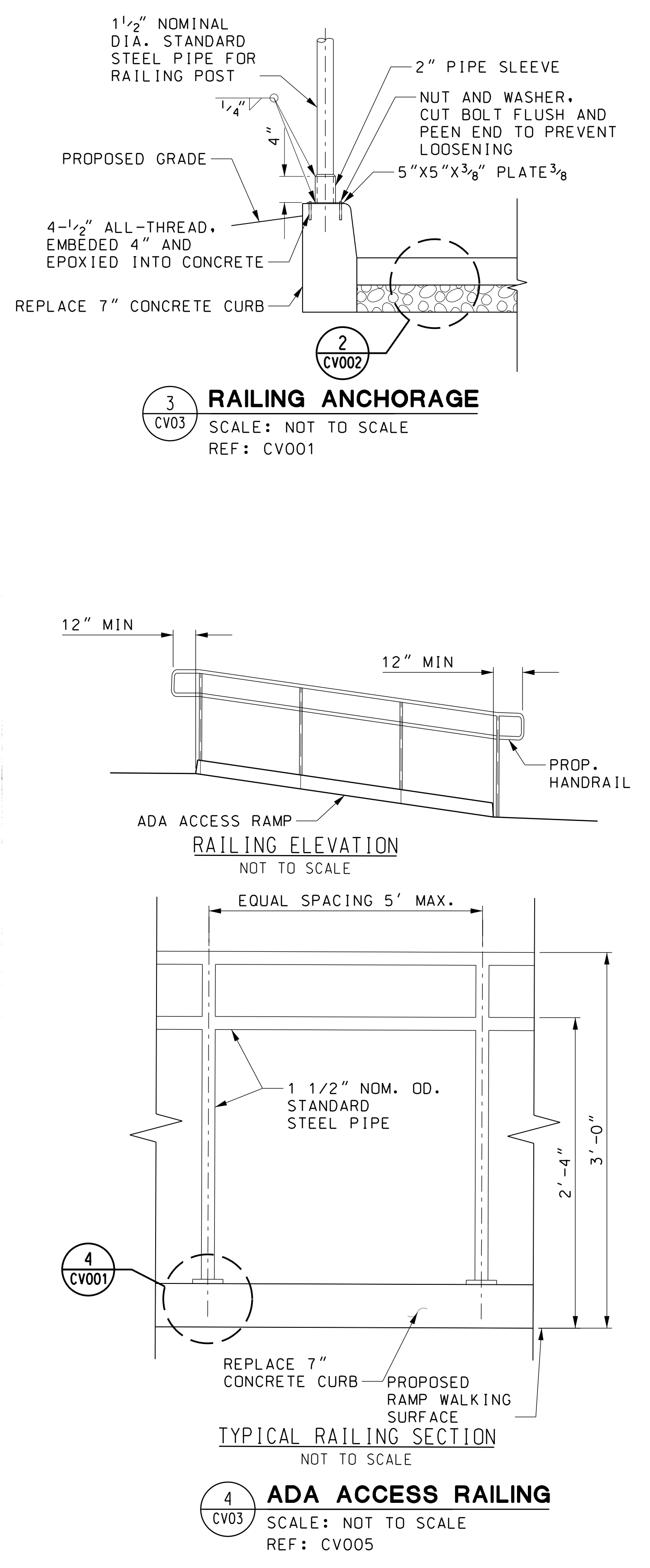
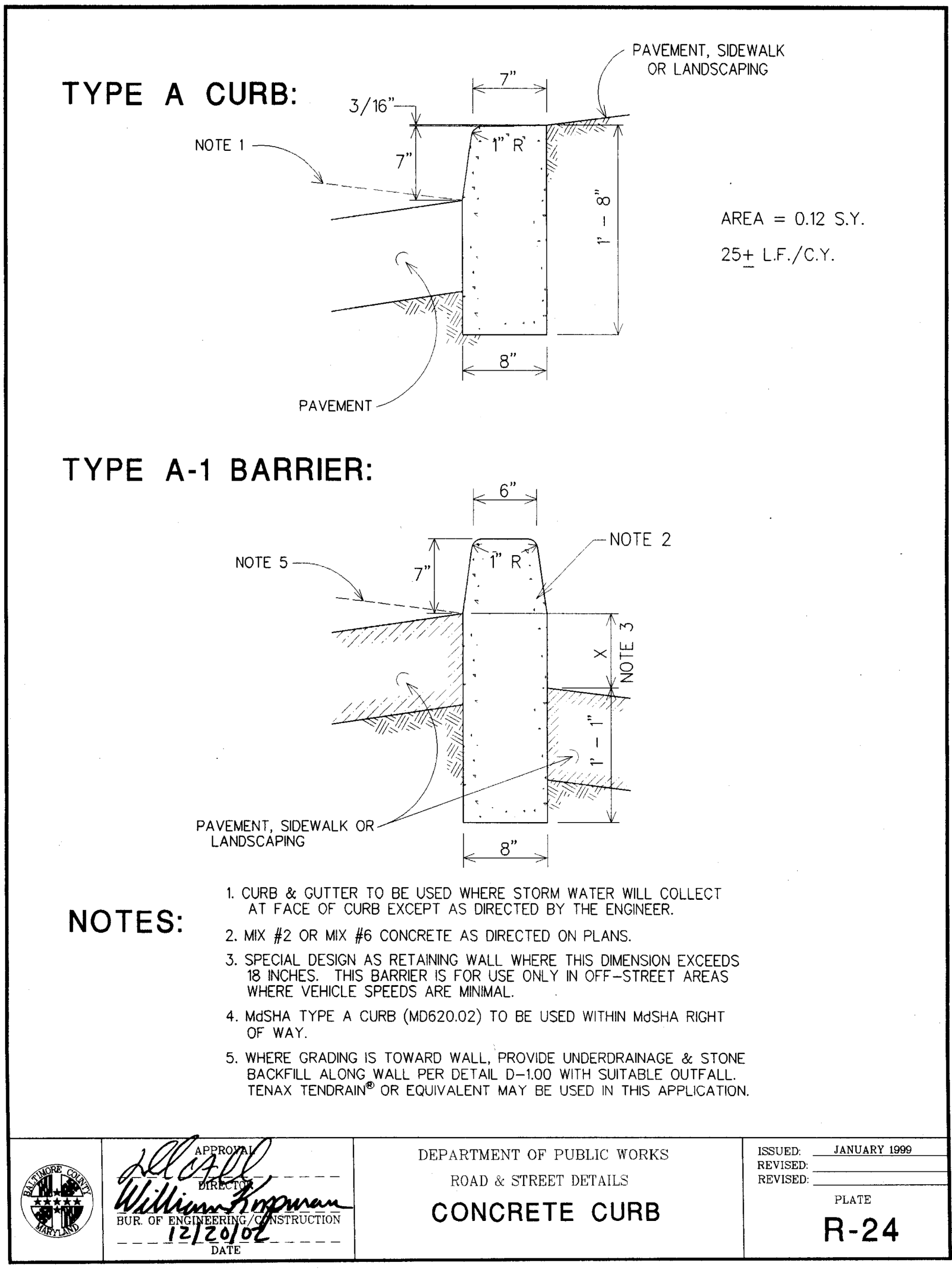
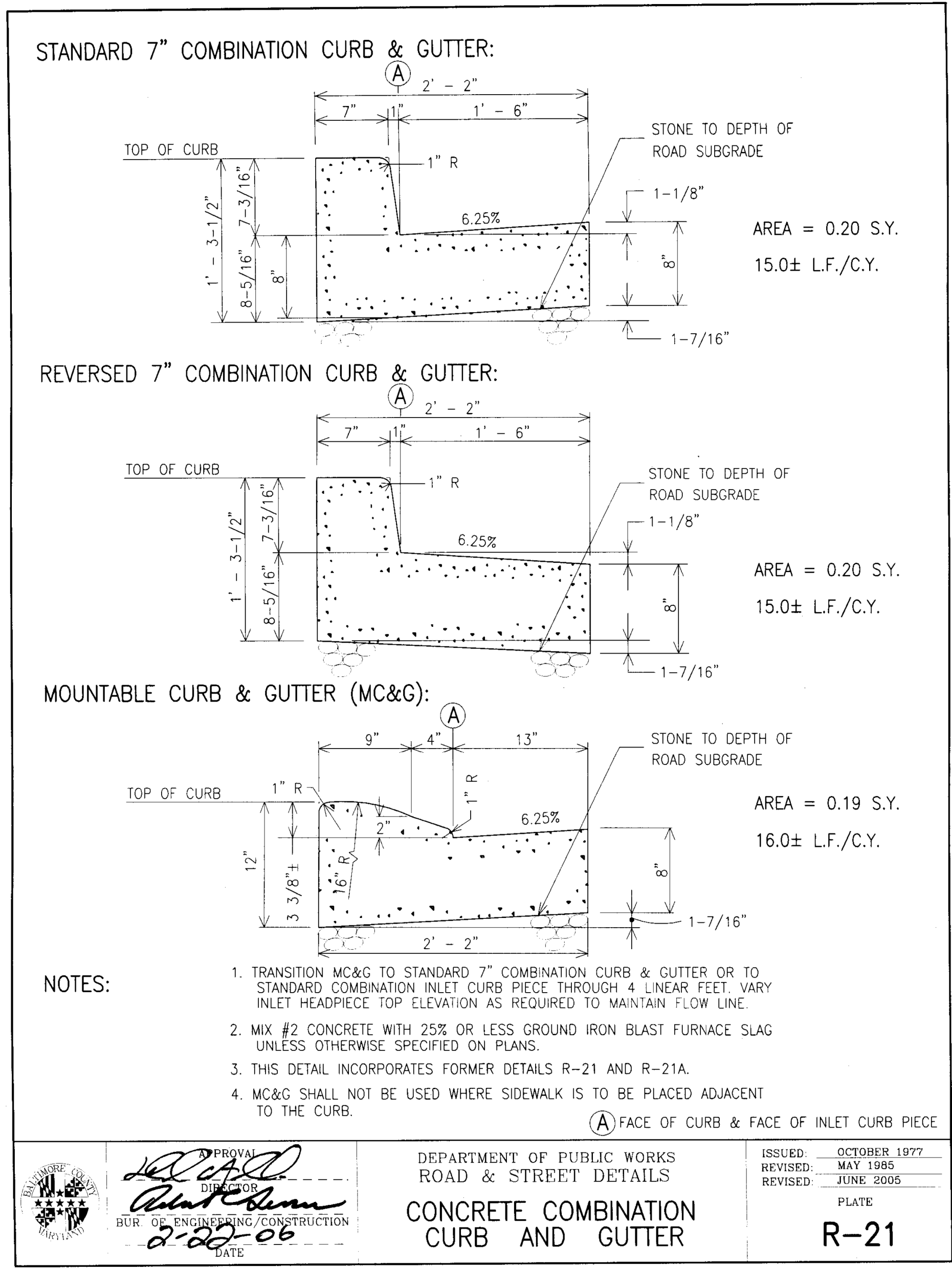
NO.	DESCRIPTION	BY	DATE

APPR	MCN
CHECK	SA
DRAWN	SHD
DESIGN	SHD

OWINGS MILLS METRO PARK & RIDE REHABILITATION  
 CIVIL DETAILS  
 DATE: JULY 1, 2023 SCALE: AS SHOWN

CONTRACT NO.	T-1994-0250
DRAWING NO.	CV02
SHEET NO.	7 OF 13

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**1 REPLACE COMBINATION CONCRETE CURB AND GUTTER DETAIL**  
CV03 SCALE: NOT TO SCALE  
REF: CV01, CV02  
**NOTE:**  
CURB HEIGHT AND TYPE SHALL MATCH EXISTING

**2 CONCRETE CURB DETAIL**  
CV03 SCALE: NOT TO SCALE  
REF: CV02

**4 ADA ACCESS RAILING**  
CV03 SCALE: NOT TO SCALE  
REF: CV005

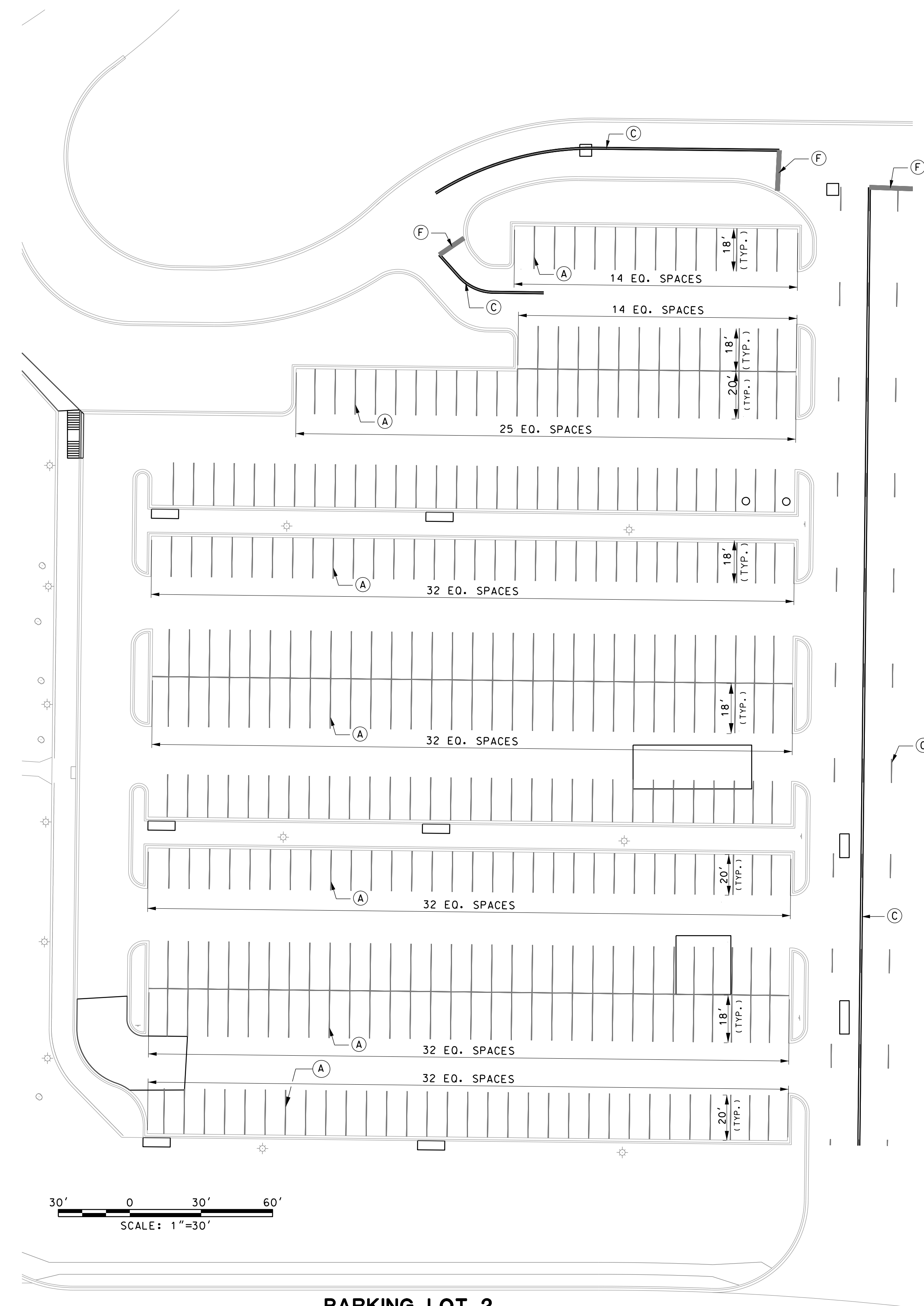












**PARKING LOT 2**

SCALE: 1"=30'

**LEGEND**

- (A) 5" SOLID WHITE PAVEMENT MARKING PAINT LINES
- (B) 5" SOLID WHITE PAVEMENT MARKING HATCHING PAINT LINES AT 45° (2' OFFSET ON CENTER)
- (C) 5" DOUBLE YELLOW PAVEMENT MARKING PAINT LINES
- (D) 12" SOLID WHITE PAVEMENT MARKING PAINT LINES FOR CROSSWALK
- (E) 12" SOLID WHITE PAVEMENT MARKING HATCHING PAINT LINES AT 90° (2' OFFSET ON CENTER) FOR CROSSWALK
- (F) 24" SOLID WHITE PAVEMENT MARKING PAINT LINES FOR STOP BAR
- (G) 5" BROKEN WHITE PAVEMENT MARKING. COST TO BE INCLUDED IN 5-INCH SOLID WHITE PAVEMENT MARKING LINE ITEM.

SIGNING AND PAVEMENT MARKING NOTES:

1. ALL PAVEMENT MARKINGS ON THIS PLAN SHALL BE PLACED OVER EXISTING MARKINGS. ANY EXISTING PAVEMENT MARKINGS NOT REPAINTED MUST BE FULLY REMOVED.
2. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE MANUAL ON UNIFORM CONTROL DEVICES (MUTCD), THE MARYLAND SUPPLEMENT TO THE MUTCD, THE MARYLAND SHA STANDARDS AND SPECIFICATIONS, AND AS INCLUDED IN THE PROJECT SPECIAL PROVISIONS.
3. UNLESS OTHERWISE NOTED, PAVEMENT MARKING LINES, SYMBOLS AND LETTERS SHALL BE NONTOXIC LEAD FREE WATERBORNE PAVEMENT MARKING MATERIALS.
4. THE CONTRACTOR SHALL SPOT LOCATE ALL PROPOSED PAVEMENT MARKINGS AND RECEIVE APPROVAL FROM THE ENGINEER PRIOR TO PLACEMENT.
5. ANY DISCREPANCY IN THE FINAL MARKINGS SHALL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. THE WIDTH OF THE CROSSWALK SHALL BE 10', MEASURED IN BETWEEN THE CENTER OF THE PAVEMENT MARKINGS, AND FULLY ENCOMPASSING EXISTING CURB RAMPS, UNLESS OTHERWISE NOTED ON THIS PLAN.

MARYLAND DEPARTMENT OF TRANSPORTATION



PROFESSIONAL CERTIFICATION

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland

39917 License No. 1/18/2025 Expiration Date

NO.	DESCRIPTION	BY	DATE
ADDENDUM #2.		EJM	01/2024
REVISIONS			

APPR	MCN
CHECK	SA
DRAWN	SHD
DESIGN	SHD

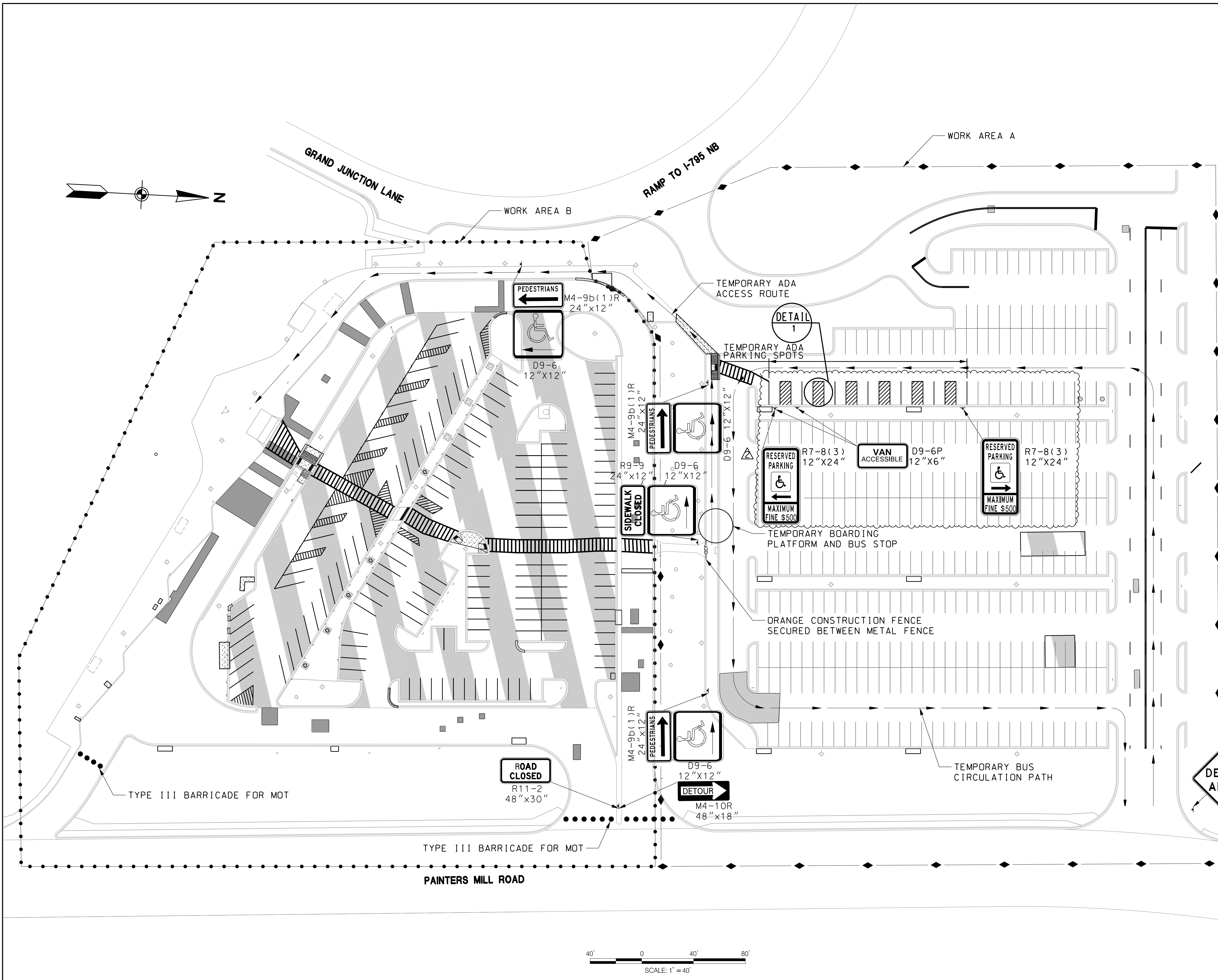
OWINGS MILLS METRO PARK & RIDE  
REHABILITATION

SIGNING AND PAVEMENT MARKING PLAN  
PARKING LOT 2

DATE: JULY 1, 2023

SCALE: 1" = 30'

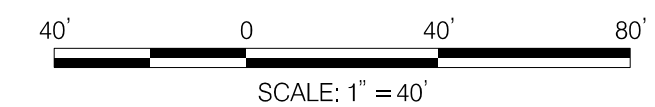
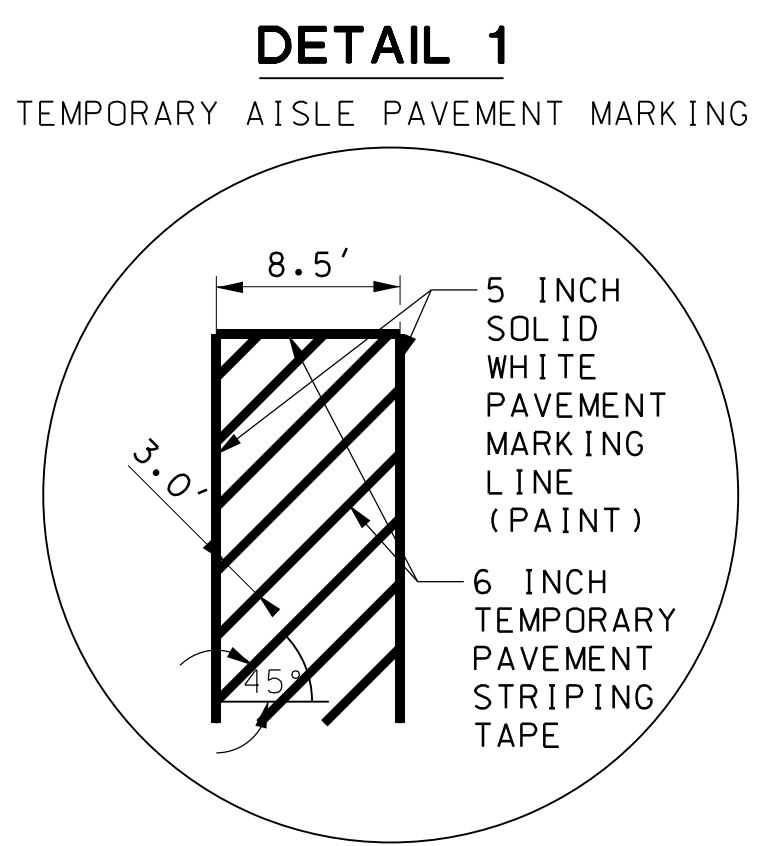
CONTRACT NO.  
T-1994-0250  
DRAWING NO.  
TD02  
SHEET NO.  
12 OF 13



- NOTES:**
1. CONTRACTOR SHALL MAKE EVERY REASONABLE EFFORT TO MINIMIZE SERVICE INTERRUPTIONS OR ALTERATIONS OF PARKING LOT USE.
  2. DURATION OF DISTURBANCE SHALL BE MINIMIZED THROUGH THE USE OF OVERNIGHT OR WEEKEND WORKING TIMES.
  3. THE SUGGESTED PHASED SEQUENCE OF CONSTRUCTION AND MOT PLANS HAVE BEEN DEVELOPED TO ACCOMMODATE CONSTRUCTION DURATIONS GREATER THAN 2 DAYS.
  4. WORK AREA A AND B SHALL CONSTRUCTED ON AT SEPARATE TIMES.
  5. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LEVEL OF ADAAG COMPLIANT PEDESTRIAN ACCESSIBILITY AT ALL TIMES THROUGH TEMPORARY ACCESS ROUTES.
  6. A NOTICE SHOULD BE PLACED IN THE GARAGE ON THE SOUTH SIDE OF THE METRO STATION TO UTILIZE ADA PARKING SPOTS DURING CONSTRUCTION.

- SUGGESTED SEQUENCE OF CONSTRUCTION:**
- PHASE 1:**
1. ONE WEEK PRIOR TO STARTING WORK, PLACE PORTABLE VARIABLE MESSAGE SIGN (PVMS) AT LOCATION SHOWN, WITH THE FOLLOWING MESSAGE:  
ON OR \* ABOUT \* XX/XX/XX  
PARKING \* LOT \* CONSTRUCTION
  2. AT THE START OF CONSTRUCTION, CHANGE PVMS TO SHOW THE FOLLOWING MESSAGE:  
ON OR \* ABOUT \* XX/XX/XX  
PARKING \* LOT \* CONSTRUCTION
  3. PERFORM PAVEMENT REPAIRS IN THE NORTH LOT (WORK AREA A).
  4. CONSTRUCT ADA RAMP AND SIDEWALK REPAIRS IN SOUTH LOT (WORK AREA B) TO PROVIDE TEMPORARY ADA ACCESS TO THE METRO STATION ENTRANCE AT THE SOUTH LOT.
  5. DESIGNATE THE TEMPORARY ADA ACCESS ROUTE AND DESIGNATE THE NORTH LOT (WORK AREA A) AS THE TEMPORARY BUS LOOP TO ACCOMMODATE BUS TRAFFIC WHILE THE SOUTH PARKING LOT (WORK AREA B) UNDERGOES CONSTRUCTION.
  6. PROVIDE TEMPORARY BUS STOP FACILITY AT LOCATION SHOWN.
- PHASE 2:**
7. CLOSE PUBLIC ACCESS TO SOUTH PARKING LOT (WORK AREA B).
  8. PERFORM REPAIRS IN SOUTH PARKING LOT (WORK AREA B).
  9. REMOVE TEMPORARY BOARDING PLATFORM AND CHANNELIZING DEVICES FOR TEMPORARY BOARDING AND LAYOVER AREAS.
  10. OPEN WORK AREA A AND B FOR TRAFFIC.

- LEGEND**
- TEMPORARY ACCESS ROUTE
  - TYPE III BARRICADE FOR MOT
  - ▭ PVMS BOARD
  - OCF— ORANGE CONSTRUCTION FENCE
  - ▭ WORK AREA A
  - ▭ WORK AREA B
  - ▭ INSTALL TEMPORARY SIGN ON NEW 2"x2" TUBULAR STEEL POST



**MARYLAND DEPARTMENT OF TRANSPORTATION**  
**MARYLAND TRANSIT ADMINISTRATION**  
**MTA Maryland**

**AECOM**

**WALLACE MONTGOMERY**  
ENGINEERS-PLANNERS-SURVEYORS-CONSTRUCTION MANAGERS

**PROFESSIONAL CERTIFICATION**  
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 39917 License No. 1/18/2025 Expiration Date

ADDENDUM #2.	EJM	01/2024	MCN
	EJM		
	SHD		
	SHD		
<b>NO. DESCRIPTION</b>	<b>BY</b>	<b>DATE</b>	
<b>REVISIONS</b>			

**OWINGS MILLS METRO PARK & RIDE REHABILITATION**  
**MAINTENANCE OF TRAFFIC PLAN**  
 DATE: JULY 1, 2023 SCALE: 1" = 40'

CONTRACT NO. T-1994-0250  
 DRAWING NO. MT-1  
 SHEET NO. 13 OF 13

p:\m\mta\p\p\1\mta\_pw\_data\documents\00- Current Projects - CMAPS\907 AG\01 AGY Facilities - Pavement\1994 Metro Pavement Rehab FY22\1994-0220 Owings Mills P&R Rehabilitation\Engineering\Cadd and Survey\

**Project T-1994-0250 Owings Mills Metro Park and Ride Rehabilitation Project**

**Invitation for Bid- Contractor Questions & Responses**

1. Will we be reimbursed for all actual costs, even if those costs exceed the allowance amount, for bid items 01 43 00 (Item 3), Quality Assurance / Quality Control – Allowance and 01 52 13 (Item 4), Engineer’s Field Office and 01 55 26 (Item 5), Maintenance and Control of Traffic - Allowance, or is the intent of these items being allowance meant to limit the price of these items regardless of the actual costs we incur?

**RESPONSE: Please refer to the Measurement and Payment sections (Section 4.0) of each specification for payment terms.**

2. Will we be reimbursed for all actual costs, even if those costs exceed the allowance amount, for bid items 01 43 00 (Item 3), Quality Assurance / Quality Control – Allowance and 01 52 13 (Item 4), Engineer’s Field Office and 01 55 26 (Item 5), Maintenance and Control of Traffic - Allowance, or is the intent of these items being allowance meant to limit the price of these items regardless of the actual costs we incur?

**RESPONSE: See answer #1.**

3. Sections 1/CV05 & 2/CV05 note manipulating existing 3” graded aggregate base and replacing unsuitable material as directed by the engineer.

A. Please confirm no new GAB is incidental to the corresponding bid items.

**RESPONSE: Manipulating existing GAB and furnish and place new GAB is incidental to corresponding bid items: 5” Concrete Sidewalk, HMA Full Depth Pavement Repair, and Concrete Pavement Patching.**

B. Please confirm under which bid item removal and replacement of unsuitable material will be paid.

**RESPONSE: Remove and replace unsuitable material are incidental to corresponding bid items: HMA Full Depth Pavement Repair, and Concrete Pavement Patching.**

4. Sections 1/CV05 & 2/CV05 note manipulating existing 3” graded aggregate base and replacing unsuitable material as directed by the engineer.

**RESPONSE: See answer #3.**

5. Please confirm no new GAB is incidental to the corresponding bid items.

**RESPONSE: See answer #3.**

6. Please confirm under which bid item removal and replacement of unsuitable material will be paid.

**RESPONSE: See answer #3.**

7. Does the designation of the temporary ADA access route and the designation of the north lot as the temporary bus loop consist of anything other than the temporary signage shown on plan sheet 13 of 13?

**RESPONSE: Sheet 13 shows all necessary temporary work to support the temporary access route and temporary bus loop.**

8. Detail 1 on plan sheet 13 of 13 indicates 5" solid white pavement marking lines. Are these temporary? Are these paid under bid item 32 17 23 (Item 28)?

**RESPONSE: The temporary pavement striping tape is used for the hatching, and this item is paid under bid item 10 (01 55 26). The parking stall edge lines are (permanent) 5" paint lines, and are paid under item 28 (32 17 23).**

9. Please confirm the following for all temporary traffic signs shown on plan sheet 13 of 13:

- a. These will be paid for under bid item 7 including posts and concrete.

**RESPONSE: yes**

- b. What diameter and depth shall the concrete foundation be?

**RESPONSE: Addendum #2 removed the reference to a concrete base, which is not required. Temporary signs can be installed using the contractor's preferred method, subject to MTA approval and any damage from removal of temporary signs shall be repaired to the satisfaction of the MTA Engineer. A product such as <https://www.seton.com/square-sign-post-anchor-base-24202d.html> (or equal) with expanding concrete anchors would be acceptable and easily removed after construction.**

- c. Shall the concrete foundations be removed when the signs are in concrete and the concrete be patched? Is this incidental to the temporary sign bid item?

**RESPONSE: See answer #9b.**

10. Are the signs and posts on bollards incidental to the bollard bid item (17) or paid for under items 19 and 20?

**RESPONSE: The signs and posts are measured and paid as items 19 and 20.**

11. Specification section 32 01 17.61, Sealing Cracks in Asphalt Paving, states that this work shall not be measured and shall be incidental to the appropriate bid item.

- a. We request that a linear foot bid item be established for this work.

- b. Is this limited to only areas that are to be milled and overlaid or for entirety of both the north and south lots?

**RESPONSE: Addendum #2 has added a pay item for crack seal along with an estimated quantity (item 24), and clarification that it is only for sealing cracks in asphalt base after the milling operation.**

12. There is no bid item nor limits shown for seal coating as per specification section 32 12 36, Seal Coats. Is this work included in this contract?

**RESPONSE: Addendum #2 removes this specification. Seal Coating is not part of the scope of work.**

13. Specification section 31 10 00, Site Clearing includes clearing and grubbing, removal and disposal of fences, selective tree trimming and scar repair and removal and disposal of existing buildings. None of this work is detailed or shown on the plans. Please clarify.

**RESPONSE: Addendum #2 removes this specification and pay item. Site Clearing is not part of the scope of work.**

14. Legend number 57 on sheet 6 of 13 is not shown in the plan view. Please indicate where this work is located.

**RESPONSE: Addendum #2 includes the location of item #57.**





Wes Moore  
Governor  
Aruna Miller  
Lieutenant Governor  
Paul J. Wiedefeld  
Secretary  
Holly Arnold  
Administrator

TO: All Prospective Proposers

FROM: Maryland Transit Administration

SUBJECT: Addendum No. 3  
T-1994-0250 OWINGS MILLS METRO PARK AND RIDE  
REHABILITATION

DATE: January 24, 2024

**Addendum No. 3 is Ten (10) pages and includes the following:**

ITEM No. 5 --- Provides a new DUE DATE: Bids must be submitted through the eMMA portal and marked "Bid for Contract No. T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION", no later 2 P.M. EST, Tuesday, February 6, 2024.

Sincerely,

*Christie E. Williams*

Christie E. Williams, CPPB Chief of Construction, Procurement

Acknowledgement of receipt of Addendum No. 3 to T-1994-0250.

Vendor Name: \_\_\_\_\_

\_\_\_\_\_  
Representative's Signature                      Date                      \_\_\_\_\_ Authorized

This is the end of Addendum No. 3



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION  
MARYLAND TRANSIT ADMINISTRATION

**BID FORM**

FOR

CONTRACT NO.: T-1994-0250

TO: MARYLAND TRANSIT ADMINISTRATION  
ATTN: PROCUREMENT DIVISION  
6 SAINT PAUL STREET, 7<sup>TH</sup> FLOOR  
BALTIMORE, MD 21202-1614

BID OPENING DATE:

**2/06/2024**

BID OPENING TIME:

**2:30PM**

BID OF: \_\_\_\_\_  
(Bidder's Name)

PROJECT DESCRIPTION:

1. This bid is hereby submitted to the Maryland Transit Administration (hereinafter sometimes called the "Administration") in response to NOTICE TO CONTRACTORS dated \_\_\_\_\_ .

2. The UNDERSIGNED has thoroughly examined, acknowledges receipt of, and is familiar with the Contract Documents as well as the various instructions, information, and requirements covering the same, all as mentioned herein and in said NOTICE TO CONTRACTORS.

3. In compliance with said NOTICE TO CONTRACTORS the UNDERSIGNED hereby proposes to furnish all labor, equipment, and materials and perform all work described and in strict accordance with the provisions of the Contract Documents for the consideration of the amounts, lump sum and unit prices listed in the attached Unit Price Schedule, and agrees that, upon Notice of Award, within one hundred eighty(180) calendar days after the date of opening of bids, unless mutually extended, he will within ten (10) calendar days after receipt of the prescribed forms, execute the Contract and furnish a performance bond and payment bond (if such bonds are required by the Contract Documents) on forms furnished by the Administration with good and sufficient surety or sureties.

4. The UNDERSIGNED agrees and understands that the time of completion is as specified in the Special Provisions, unless the completion dates are extended as provided for in the Contract Documents.

5. The UNDERSIGNED agrees to pay liquidated damages in the amount specified in the Special Provisions for each and every calendar day after the completion date that the work remains incomplete unless an extension is granted as provided for in the Contract Documents.

6. The UNDERSIGNED hereby certifies that the \_\_\_\_\_

(Bidder's Name) / \_\_\_ / is, / \_\_\_ / is not (CHECK ONE) included on the GSA list of Parties Excluded from Procurement. **AND**

The UNDERSIGNED hereby certifies that the \_\_\_\_\_  
(Bidder's Name) / \_\_\_ / is, / \_\_\_ / is not (CHECK ONE) included on the List of Contractors Suspended or Debarred from Contracting with the State of Maryland.

7. The UNDERSIGNED, as the Contractor, will perform on the Site, with its own organization, \_\_\_\_\_ percent ( \_\_\_ %) of the total amount of work to be performed under this contract.

8. PARENT COMPANY

a. The UNDERSIGNED represents that it / \_\_\_ / is, / \_\_\_ / is not, (CHECK ONE) owned or controlled by a parent company. For this purpose a parent company is defined as one which either owns or controls the activities and basic business policies of the UNDERSIGNED. To own another company means the parent company must own at least a majority (more than 50 percent) of the voting rights in that company. To control another company such ownership is not required; if another company is able to formulate, determine or veto basic business policy decisions of the bidder, such other company is considered the parent of the bidder. This control may be exercised through the use of dominant minority voting rights, use of proxy voting, contractual arrangements, or otherwise.

b. If UNDERSIGNED is owned or controlled by a parent company, insert in the space below the name and main office address of the parent company

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State Zip

9. ARREARAGES

By submitting a response to this solicitation, the undersigned shall be deemed to represent that it is not in arrears in the payment of any obligations due and owing the State of Maryland, including the payment of taxes and employee benefits, and that it shall not become so arrears during the term of the contract if selected for contract award.

10. CERTIFICATION OF NON-MARYLAND CORPORATION (FOREIGN CORPORATION)

a. A corporation not incorporated in the State of Maryland is considered to be a foreign corporation and, therefore, is required to be registered with the Maryland State Department of Assessment and Taxation if awarded this contract.

b. Where a foreign corporation is currently registered with the Department of Assessments and Taxation, such a bidder shall submit with his bid a copy of the department's certification of his registration or qualification acknowledgment.

c. If a foreign corporation is not currently registered, such a bidder shall submit with his bid his certification that, if notified of his apparent award of the contract, he will register with the Maryland State Department of Assessments and Taxation and provide a copy of the department's certification of his registration or qualification acknowledgment along with the executed contract.

11. The Contractor shall, prior to the time of execution of the contract, obtain all applicable licenses and comply with all applicable laws and regulations in the Annotated Code of Maryland.

12. All bidders must submit with their bid the following documents fully executed.

- a) Contract number and title
- b) Name and address of the Bidder
- c) Completed Insurance Premium Worksheet
- d) Bid Form
- e) Bid/Proposal Affidavit.
- f) Bid Bond in the Amount of \$ \_\_\_\_\_ Or 5% of the bid price
- g) Signed Cover Letter for each Addendum issued by MTA
- h) Contractor's Questionnaire Pre-Award Evaluation Data
- i) MDOT MBE Form A, "Certified MBE Utilization and Fair Solicitation Affidavit" (two page document)
- j) MDOT MBE Form B, "MBE Participation Schedule"
- k) Buy America Certificate
- l) Certification Regarding Lobbying
- m) Certification Regarding Investments in Iran
- n) Location of the Performance of Services Disclosure
- o) Mercury Affidavit
- p) Conflict of Interest
- q) Payment of Employee Healthcare Expenses Worksheet
- r) Payment of Employee Health Expenses Certification
- s) Corporate Diversity Addendum

**UNIT PRICE SCHEDULE**

<b>Item</b>	<b>Section</b>	<b>Description</b>	<b>Estimate of Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
001	01 15 00	Mobilization	1	LS	\$60,000.00	\$60,000.00
002	01 21 00	Miscellaneous Work Allowance	1	ALLOW	\$50,000.00	\$50,000.00
003	01 43 00	Quality Assurance/Quality Control - Allowance	1	ALLOW	\$25,000.00	\$25,000.00
004	01 52 13	Engineer's Field Office	1	ALLOW	\$8,500.00	\$8,500.00
005	01 55 26	Portable Variable Message Sign (PVMS)	45	UD		
006	01 55 26	Maintenance and Control of Traffic - Allowance	1	ALLOW	\$30,000.00	\$30,000.00
007	01 55 26	Temporary Traffic Signs for Maintenance of Traffic	40	SF		
008	01 55 26	Type III Barricade for Maintenance of Traffic	30	EA		
009	01 55 26	Furnish and Place Temporary Orange Construction Fence	15	LF		
010	01 55 26	5 Inch Temporary Pavement Striping Tape	480	LF		

<b>Item</b>	<b>Section</b>	<b>Description</b>	<b>Estimate of Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
011	01 57 13	Inlet Protection	10	EA		
012	02 41 13	Remove and Dispose Existing Sign & Post	46	EA		
013	02 41 13	Grind Existing Bolts to Pavement Elevation	1	LS		
014	02 41 43	Remove Existing Wheel Stop	14	EA		
015	05 52 00	Handrail	20	LF		
016	05 52 00	Remove and Dispose Existing Handrail	10	LF		
017	05 59 10	Install New Bollards	14	EA		
018	10 14 53	Relocate Existing Sign	14	EA		
019	10 14 53	2" X 2" Steel Sign Supports	26	EA		
020	10 14 53	Signs	11	SF		

<b>Item</b>	<b>Section</b>	<b>Description</b>	<b>Estimate of Quantity</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Price</b>
021	31 10 00	Tree Pruning and Removal	121	LF		
022	32 01 16	Mill and Overlay HMA Pavement 2 Inch Depth	7410	SY		
023	32 01 17	Sealing Cracks	5000	LF		
024	32 12 16	HMA Full Depth Pavement Repair	142	SY		
025	32 13 13	Concrete Pavement Patching	400	SY		
026	32 16 13	Replace Concrete Curb and Gutter	140	LF		
027	32 16 23	5" Concrete Sidewalk	1432	SF		
028	32 17 23	5 inch Solid White Pavement Marking Line (Paint)	9882	LF		
029	32 17 23	12 Inch Solid White Pavement Marking Line (Paint)	1907	LF		
030	32 17 23	24 inch Solid White Pavement Marking Line (Paint)	55	LF		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
031	32 17 23	5 inch Solid Yellow Pavement Marking Line (Paint)	1200	LF		
032	32 17 23	Removal of Existing Pavement Marking (Any Width)	275	LF		
033	32 17 26	Tactile Warning Surface	62	SF		
034	32 93 00	Plant Tree - Platanus Hybrida (London Planetree)	3	EA		
035	32 93 00	Plant Tree - Hackberry Celtis Occidentalalis	2	EA		
036	33 40 00	Reset Inlet Top	2	EA		

Basis of Award: Total amount of items 001 thru 036 \_\_\_\_\_ (figures)

\_\_\_\_\_

\_\_\_\_\_ (words)

037		Insurance Premium (Contingency)	LS	LS	LS	
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This amount will only be added to the base bid in the event that the bidder is excluded from the wrap-up insurance program or the program is terminated mid-term. The Insurance Premium Worksheet must be attached to the bid.



A. CORPORATION BID:

FEIN: \_\_\_\_\_

\_\_\_\_\_  
Name of Corporation

\_\_\_\_\_  
State in which Incorporated

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Telephone Number / Fax Number

ATTEST:

By:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
President or Vice President

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

B. PARTNERSHIP BID:

FEIN: \_\_\_\_\_

\_\_\_\_\_  
Name of Partnership

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Telephone Number / Fax Number

Names of each Partner:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Witness:

By:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

C. INDIVIDUAL BID:

Witness:

\_\_\_\_\_  
Print Name

D. JOINT VENTURE

ATTEST

\_\_\_\_\_  
Secretary

Print Name

\_\_\_\_\_  
Print Name

S.S. No.: \_\_\_\_\_

\_\_\_\_\_  
Name

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Telephone Number / Fax Number

By:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

FEIN: \_\_\_\_\_

\_\_\_\_\_  
Name of Corporation

\_\_\_\_\_  
State in which Incorporated

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Telephone Number / Fax Number

By:

\_\_\_\_\_  
President or Vice President

\_\_\_\_\_  
Print Names

FEIN: \_\_\_\_\_

\_\_\_\_\_  
Name of Corporation

\_\_\_\_\_  
State in which Incorporated



Wes Moore  
Governor  
Aruna Miller  
Lieutenant Governor  
Paul J. Wiedefeld  
Secretary  
Holly Arnold  
Administrator

TO: All Prospective Proposers

FROM: Maryland Transit Administration

SUBJECT: Addendum No. 4  
T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION

DATE: February 6, 2024

**Addendum No. 4 is One (1) page and includes the following:**

ITEM No. 1 --- Provides a new DUE DATE: Bids must be submitted through the eMMA portal and marked "Bid for Contract No. T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION", no later 2 P.M. EST, Thursday, February 22, 2024.

Sincerely,

*Christie E. Williams*

Christie E. Williams, CPPB Chief of Construction, Procurement

Acknowledgement of receipt of Addendum No. 4 to T-1994-0250.

Vendor Name: \_\_\_\_\_

\_\_\_\_\_  
Representative's Signature                      Date                      Authorized

This is the end of Addendum No. 4



Wes Moore  
Governor  
Aruna Miller  
Lieutenant Governor  
Paul J. Wiedefeld  
Secretary  
Holly Arnold  
Administrator

TO: All Prospective Proposers

FROM: Maryland Transit Administration

SUBJECT: Addendum No. 5  
T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION

DATE: February 20, 2024

**Addendum No. 5 is Two (2) pages and includes the following:**

ITEM No. 1 --- Provides a new DUE DATE: Bids must be submitted through the eMMA portal and marked "Bid for Contract No. T-1994-0250 OWINGS MILLS METRO PARK AND RIDE REHABILITATION", no later 2 P.M. EST, Wednesday, March 6, 2024.

ITEM No. 2 --- Provides the "RFI" Questions and Answers for the project.

Sincerely,

*Christie E. Williams*

Christie E. Williams, CPPB Chief of Construction, Procurement

Acknowledgement of receipt of Addendum No. 5 to T-1994-0250.

Vendor Name: \_\_\_\_\_

\_\_\_\_\_  
Representative's Signature                      Date                      Authorized

This is the end of Addendum No. 5

**Project T-1994-0250 Owings Mills Metro Park and Ride Rehabilitation Project**

**Addendum No. 05**

**Invitation for Bid- Contractor Questions & Responses**

1. There is a Temporary Boarding Platform and Bus Stop called out on sheet MT-1, but there is no item or specification for this. Please advise where this item should be paid for and provide a detail and/or specification for this item.  
**RESPONSE: This notation is for information only. No construction is needed for the temporary platform.**
2. There is joint sealing in the concrete patching specification, but there is not a joint sealing detail and the concrete patching detail does not mention it as well. Please advise if we should include joint sawing and sealing for the concrete patching, and if so, please provide a detail.  
**RESPONSE: Joint sealing is not required for concrete patching.**
3. Detail 3 on sheet CV03 shows to replace 7" curb at the handrail location – but there is not an existing 7" curb to replace. Please advise.  
**RESPONSE: The detail is for the railing anchorage. Curb replacement is not part of the railing pay item.**
4. What size caliper should the new tree items for 034 and 035 be?  
**RESPONSE: Trees shall be a minimum of 2" caliper.**
5. There is a tree pruning and removal item 023 for the project but no indication on the plans for these items. Please advise.  
**RESPONSE: The tree pruning item is intended to be used along the bus loop.**