

### HISTORIC PRESERVATION COMMISSION

Marc Elrich County Executive Robert K. Sutton Chairman

Date: January 26, 2024

#### MEMORANDUM

TO: Rabbiah Sabbakhan, DPS Director Department of Permitting Services

FROM: Rebeccah Ballo
 Historic Preservation Section Maryland-National Capital Park & Planning Commission
 Historic Area Work Permit #1054192 - Revisions to retaining wall treatments associated
 SUBJECT: with shared use path.

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was <u>Approved</u> by the HPC at its January 24, 2024 meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant:MCDOT (Yasamin Esmaili, Agent)Address:23515 Frederick Road to 23200 Stringtown Road, Clarksburg

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Rebeccah Ballo at 301-563-3404 or rebeccah.ballo@montgomeryplanning.org to schedule a follow-up site visit.



#### MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION STAFF REPORT

Address:	23515 Frederick Road to 23200 Stringtown Road, Clarksburg	Meeting Date:	1/24/2024
<b>Resource:</b>	Multiple Resources	<b>Report Date:</b>	1/17/2024
Applicant:	Clarksburg Historic District	Public Notice:	1/10/2024
	MCDOT (Yasamin Esmaili, Agent)	Tax Credit:	N/A
Review:	HAWP	Staff:	Rebeccah Ballo
Case Number:	1054192		

**PROPOSAL:** Revisions to retaining wall treatments associated with the previously approved shared-use path.

#### **<u>STAFF RECOMMENDATION</u>**:

Staff recommends that the HPC **<u>approve</u>** the HAWP application.

#### **ARCHITECTURAL DESCRIPTION:**

SIGNIFICANCE:	Multiple Resources within the Clarksburg Historic District
STYLE:	Various
DATE:	Platted Early 1790s



Fig. 1: Clarksburg Historic District.

#### **HISTORIC CONTEXT:**

The following was excerpted from *Places From the Past: The Tradition of Gardez Bien in Montgomery County, Maryland*:

13/10 CLARKSBURG IDSTORIC DISTRICT (Platted Early 1790s)

Early in the county's history, Clarksburg was a substantial center of commerce and transportation. John Clark surveyed the land and subdivided lots along Frederick Road in the early 1790s, yet the town's origins extended back to the mid-1700s. Michael Dowden built a hotel and tavern about 1754. A popular stop along the well-traveled Great Road between Frederick and Georgetown, Dowden's Ordinary is said to have provided lodging and entertainment for such well-known travelers as General E. Braddock, George Washington, and Andrew Jackson. According to tradition, John Clark's father William, from Lancaster County, Pennsylvania, had chosen this location, at the intersection of two Indian trails, as early as 1735 as a site for trading with Native Americans. His trading post may have influenced Dowden's choice for locating his ordinary.

John Clark built a general store and became the community's first postmaster. The post office, established 1800, was one of the first in the county. By 1850, the town was the third most populous in the county, and the residents numbered 250 by 1879.

One of the earliest structures in the community is found at the Clark-Waters House, 23346 Frederick Road. According to tradition, John Clark constructed the rear section in 1 797. The building was enlarged and updated in the 1840s with the Italianate-style front section, under the ownership of Clark's daughter and son-in-law Mary and William Willson. One of the few remaining log buildings in the community is found at 23415 Frederick Road. Thomas Kirk probably built the John Leaman House (23415), now covered with clapboard siding, in 1801. John Leaman, a carpenter, purchased the house in 1871 and built the substantial rear addition around 1890.

John Clark, a Methodist, was a leader in organizing the Clarksburg Methodist Episcopal Church in 1788. The church has one of the oldest continuous Methodist congregations in the County. A log chapel was built on this site in 1794, a brick structure in 1853, and the present Gothic Revival-style church in 1909. As a major stagecoach stop between Frederick and Georgetown, Clarksburg supported several inns and taverns. By the mid-1800s, the town also included general stores, a tannery and blacksmiths, and wheelwrights. William Willson probably built Willson 's Store, 23341 Frederick Road, around 1842. In 1879, Clarksburg had 250 residents, making it the third most populous town in the County. The Queen Anne-style house at 23310 Frederick Road, known as Hammer Hill, as built c.1891-1900 by Clarksburg physician Dr. James Deetz and his wife Sarah. The name, Hammer Hill, comes from the tract name given this land in 1752. The William Hurley Shoe Shop, 23421 Frederick Road, probably built around 1842, is typical of early rural commercial structures in its simplicity and small scale. In the early 20th-century, it housed Helen Hurley's millinery shop. The house, located behind the shop, originally consisted of the rear portion that was built by Arnold Warfield about 1800. The building may contain an early log section. Hurley family owners of the house and shoe shop included shoemaker William Hurley and Clarksburg Brass Band organizer J. Mortimer Hurley.

Clarksburg has historically been a bi-racial town. While many African Americans settled, after the Civil War, in communities separate from white settlements, freed slaves in Clarksburg built houses in and around the town. In 1885, John Henry Wims built his frame house in Clarksburg's center, at 23311 Frederick Road. The location of his dwelling near the post office was a convenience for Wims, one of the few black mail carriers working in the county. One of the County's last and most elaborate remaining examples of a two-room schoolhouse is the Clarksburg School, 13530 Redgrave Place, built in 1909. One of the County's last and most elaborate remaining examples of the two-room schoolhouse, the Clarksburg School was in continuous use from 1909 to 1972. The cruciform-shaped building has a Colonial Revival-influenced design with pedimented and pilastered doorframe, oversize cornice returns, and gable overhang. Near the school are the sites of the earlier Clarksburg Academy (1833) and a one-room school.

Growth in Clarksburg declined in the late 19th century, when the B & 0 Railroad bypassed the town for nearby Boyds. The advent of the automobile and improved roads brought something of an economic revival beginning in the 1920s. New boarding houses opened in town to accommodate the new auto tourism.

#### **BACKGROUND:**

The applicants previously appeared before the Commission at the February 12, 2020 HPC meeting for a preliminary consultation.<sup>1</sup> The applicants subsequently appeared before the Commission with a HAWP application at the October 28, 2020 HPC meeting.<sup>2</sup> During the October 28 hearing, it was determined that the application was incomplete, as some required plans and specifications were missing. The applicants submitted the missing information, and the project was approved in part at the November 18, 2020 HPC meeting.<sup>3</sup> Although the applicants provided plans for two related projects (MD 355 – Shared Use Path and MD 355/Clarksburg Road Intersection Improvements), the Commission only approved the MD 355 – Shared Use Path project at the November 18, 2020 HPC meeting. The Commission required the MD 355/Clarksburg Road Intersection Improvements project to be submitted separately and recommended revisions to the make it compatible with the streetscape of the historic district and consistent with the MD 355 – Shared Use Path project. The applicant/MCDOT submitted the final HAWP application and the HPC approved it on December 16, 2020.<sup>4</sup> The final proposal included all approves for construction an 8' wide shared-use path along the east side of MD 355 (Frederick Road) within the Clarksburg Historic District. The proposal also includes intersection improvements, tree removal/planting, and streetlamp installation.

#### **PROPOSAL:**

The applicant is proposing the installation of a stone veneer on the new retaining walls that are proposed as part of the shared use path. Staff notes that while this is a revision to a previously approved HAWP, it has a new permit number. The previously approved HAWP#13/10-20C is no longer keyed to a valid

<sup>1</sup> Link to February 12, 2020 HPC meeting audio/video transcript:

http://mncppc.granicus.com/MediaPlayer.php?publish\_id=cf45bbd0-4e99-11ea-9ca4-0050569183fa Link to February 12, 2020 preliminary consultation staff report: <u>https://montgomeryplanning.org/wp-</u>content/uploads/2020/02/II.A-Multiple-Addresses-Clarksburg.pdf

<sup>2</sup> Link to October 28, 2020 HPC meeting audio/video transcript:

http://mncppc.granicus.com/MediaPlayer.php?publish\_id=ba4854d9-1a21-11eb-a4b6-0050569183fa Link to October 28, 2020 HAWP application staff report: <u>https://montgomeryplanning.org/wp-</u> content/uploads/2020/10/I.K-23515-Frederick-Road-to-23200-Stringtown-Road-Clarksburg.pdf

<sup>3</sup> Link to November 18, 2020 HPC meeting audio/video transcript:

http://mncppc.granicus.com/MediaPlayer.php?publish\_id=cc6acf70-2a8c-11eb-a4b6-0050569183fa

Link to November 18, 2020 HAWP application staff report (Part 1): <u>https://montgomeryplanning.org/wp-content/uploads/2020/11/I.R-23515-Frederick-Road-to-23200-Stringtown-Road-Clarksburg-part-1-compressed.pdf</u> Link to November 18, 2020 HAWP application staff report (Part 2): <u>https://montgomeryplanning.org/wp-content/uploads/2020/11/I.R-23515-Frederick-Road-to-23200-Stringtown-Road-Clarksburg-part-2-compressed.pdf</u> <sup>4</sup> Link to the December 16, 2020 HAWP application staff report: <u>https://montgomeryplanning.org/wp-</u>

content/uploads/2020/12/I.A-23515-Frederick-Road-to-23200-Stringtown-Road-Clarksburg.pdf

numbering system since the HP Office has switched over entirely to Department of Permitting Services generated HAWP case numbers and has moved away from internally generated permit numbers.

#### **APPLICABLE GUIDELINES:**

When reviewing alterations and new construction within the Clarksburg Historic District several documents are to be utilized as guidelines to assist the Commission in developing their decision. These documents include *Montgomery County Code Chapter 24A* (*Chapter 24A*), the *Vision of Clarksburg: A Long-Range Preservation Plan (Vision)*, and the *Secretary of the Interior's Standards for Rehabilitation (Standards)*. The pertinent information in these documents is outlined below.

#### Montgomery County Code; Chapter 24A-8

- (b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to ensure conformity with the purposes and requirements of this chapter, if it finds that:
  - (1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or
  - (2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or
  - (3) The proposal would enhance or aid in the protection, preservation and public or private utilization of the historic site or historic resource located within an historic district in a manner compatible with the historical, archeological, architectural or cultural value of the historic site or historic district in which an historic resource is located; or
  - (4) The proposal is necessary in order that unsafe conditions or health hazards be remedied; or
  - (5) The proposal is necessary in order that the owner of the subject property not be deprived of reasonable use of the property or suffer undue hardship; or
  - (6) In balancing the interests of the public in preserving the historic site or historic resource located within an historic district, with the interests of the public from the use and benefit of the alternative proposal, the general public welfare is better served by granting the permit.
- (c) It is not the intent of this chapter to limit new construction, alteration or repairs to any 1 period or architectural style.
- (d) In the case of an application for work on an historic resource located within an historic district, the commission shall be lenient in its judgment of plans for structures of little historical or design significance or for plans involving new construction, unless such plans would seriously impair the historic or architectural value of surrounding historic resources or would impair the character of the historic district. (Ord. No. 9-4, § 1; Ord. No. 11-59.)

#### Secretary of Interior's Standards for Rehabilitation

The Secretary of the Interior defines rehabilitation as "the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values." The *Standards* are as follows:

- 2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
- 9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
- 10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

#### **STAFF DISCUSSION:**

During previous reviews of this project in November and December 2010, the HPC considered and rejected a portion of the proposal that called for cultured stone veneer and/or stamped concrete on the retaining walls at Stations 512.00 and 513.90. Staff made findings, and the HPC concurred that typical cultured stone veneers and/or stamped concrete (or form liners) would be an inappropriate and incompatible treatment for the proposed retaining wall. Staff recommended a condition of approval, stipulating that the proposed retaining wall be plain concrete or block to be compatible with the streetscape of the historic district.

Since that time, MCDOT and HP staff have continued in conversations with residents and owners within the Clarksburg Historic District, and have heard concern about the visual blankness of the approved plain concrete walls. MCDOT has returned with a proposal to face the concrete retaining walls with the exact same stone that was used to face retaining walls in the Hyattstown Historic District. While the use of stone and brick is more prevalent within Hyattstown, the lack of brick and stone buildings or foundations, and the preponderance of frame construction in Clarksburg should not automatically lead to a finding that the stone veneer is incompatible. The character of these rural village historic districts is similar and they both date to the same period of significance beginning in the 18<sup>th</sup> centuries. Concerns that the blank concrete may attract graffiti or other nuisances were not addressed at the previous HPC hearings, and while there is no evidence or submissions from MCDOT that demonstrate graffiti is an issue in the District, staff is supportive of the desire of the residents to present a more traditionally decorative treatment on the substantial new retaining walls. The grade changes have already been approved by HPC with the previous HAWP#13/10-20C on December 16, 2020, so the decorative treatment is not furthering altering the features within the District. The stone veneers could be removed and the walls refaced in the future with a subsequent HAWP if desired by MCDOT and the community. Additionally, seeing how well the stone veneers have weathered over time in Hyattstown, staff finds that this same material would be visually compatible with the character of this historic district as well.

After full and fair consideration of the applicant's submission, staff finds the proposal, as modified by the condition, as being consistent with the Criteria for Issuance in Chapter 24A-(b)(1), (2), and (d), having found the proposal is consistent with the *Secretary of the Interior's Standards for Rehabilitation* #2 and #9 and #10 outlined above.

#### **STAFF RECOMMENDATION:**

Staff recommends that the Commission <u>approve</u> the HAWP application under the Criteria for Issuance in Chapter 24A-8(b), (1), (2) & (d), having found that the proposal, as modified by the condition, will not substantially alter the exterior features of the historic resource and is compatible in character with the district and the purposes of Chapter 24A;

and with the Secretary of the Interior's Standards for Rehabilitation #2 and #9 and #10;

and with the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP application at staff's discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make any alterations to the approved plans. Once the work is completed the applicant will <u>contact the staff person</u> assigned to this application at 301-563-3404 or <u>rebeccah.ballo@montgomeryplanning.org</u> to schedule a follow-up site visit.

	For Staff only: HAWP#
APPLICAT	DATE ASSIGNED
HISTORIC AREA	
HISTORIC PRESERVA 301.563	TION COMMISSION
APPLICANT: Revision to HAV	
Name: Ms. Yasamin Esmaili	Yasamin.Esmaili@montgomerycountymd.gov
Address: 100 Edison Park Dr, 4th Flr	<sub>City:</sub> Gaithersburg <sub>Zip:</sub> 20878
Daytime Phone: 240-777-7226	Tax Account No.:
AGENT/CONTACT (if applicable):	
Name: Tim Connor or Van de Jarnette	E-mail:tconnor@gfnet.com
Address:7133 Rutherford Road	City: <u>Milfrod Mill</u> Zip: <u>21244</u>
Daytime Phone:	Contractor Registration No.:
LOCATION OF BUILDING/PREMISE: MIHP # of H	listoric Property
Is the Property Located within an Historic District?	
Is there an Historic Preservation/Land Trust/Envir	No/Individual Site Name onmental Easement on the Property? If YES, include a
map of the easement, and documentation from the	
Are other Planning and/or Hearing Examiner App	rovals / Reviews I APPROVED
(Conditional Use, Variance, Record Plat, etc.?) If Y	ES, include inform Montgomery County
supplemental information.	Historic Preservation Commission
Building Number By Rebeccah Ballo at 1:51 pm,	Jan 26, 2024
Town/City: Neares	
· · ·	1 anne a / Vana
Lot: Block: Subdivi	sion: Pa
TYPE OF WORK PROPOSED: See the checklist	
for proposed work are submitted with this ap be accepted for review. Check all that apply:	
New Construction Deck/Porch	Shed/Garage/Accessory Structure
Addition Fence	Tree removal/planting
Demolition Hardscape/	
Grading/Excavation Roof	✓     Other: Retaining wall
	the foregoing application, that the application is correct by with plans reviewed and approved by all necessary
-	is to be a condition for the issuance of this permit.
Yasamin Esmaili	12-20-2023

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

There are 24 properties listed on the MD Inventory of Historic Properties within a one-mile radius of the Study Area, which includes the Clarksburg Historic District (MO:13-10). The historic district primarily contains a mix of late 18th through 20th century residential and commercial structures, but the majority of historic structures date back to the 19th century of this transportation and trade center. A Historic Built Environment Investigation was conducted and zero properties listed on the MD Inventory of Historic Properties within the proposed project study area would be affected.

Description of Work Proposed: Please give an overview of the work to be undertaken:

In association with work being performed under Permit 935441 a retaining wall is proposed along the east side of MD 355 behind the proposed 8 ft wide shared-use path beginning 300 feet north of the MD 355 at Clarksburg Rd intersection extending an additional 200 feet north. The attached figure illustrates the possible aesthetic treatments that could be incorporated into this wall. A Historic Built Environment Investigation was previously conducted and zero properties listed on the MD Inventory of Historic Properties within the proposed project study area are affected.

APPROVED				
Montgomery County				
Historic Preservation Commission				
Ramth. Man				

**REVIEWED** By Rebeccah Ballo at 1:51 pm, Jan 26, 2024

The Stone Facing is approved, NOT the white textured block face.

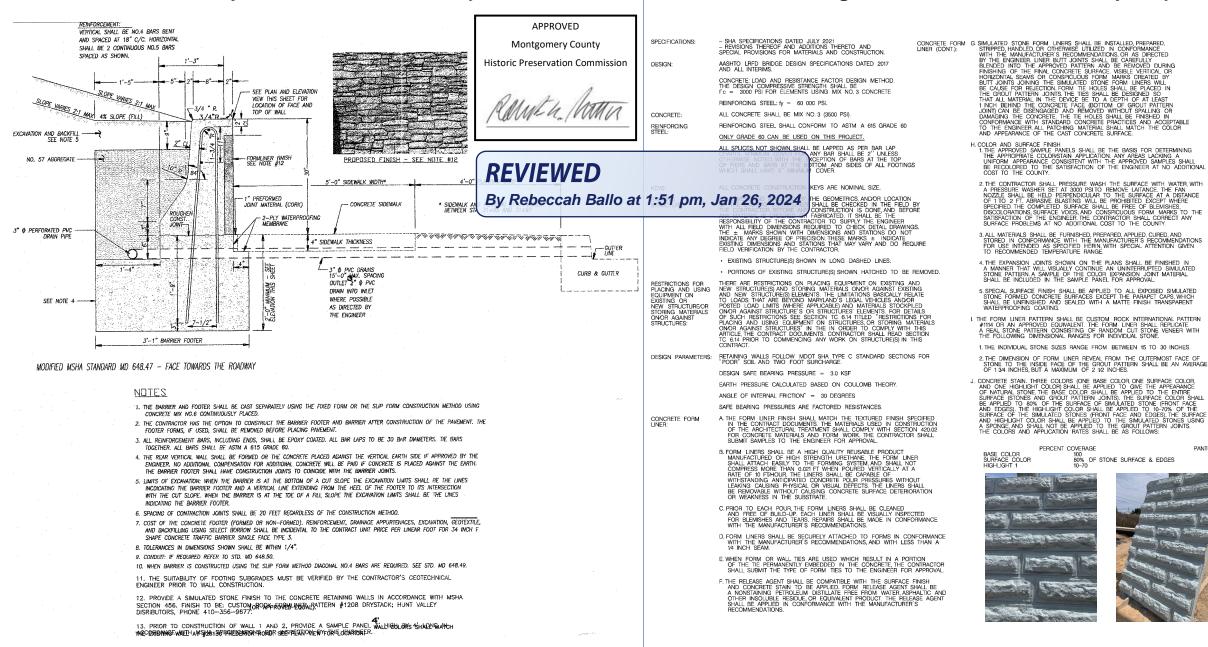
Work Item 1:	
Description of Current Condition:	Proposed Work:
Refer to plans provided under Permit 935441.	Refer to attached figure for surface treatment examples.
Work Item 2:	
Description of Current Condition:	Proposed Work:

Work Item 3:	-		
Description of Current Condition:	Proposed Work:		

#### HISTORIC AREA WORK PERMIT CHECKLIST OF APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Exc avation/Land scaing	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*

# Hyattstown Sidewalk Project



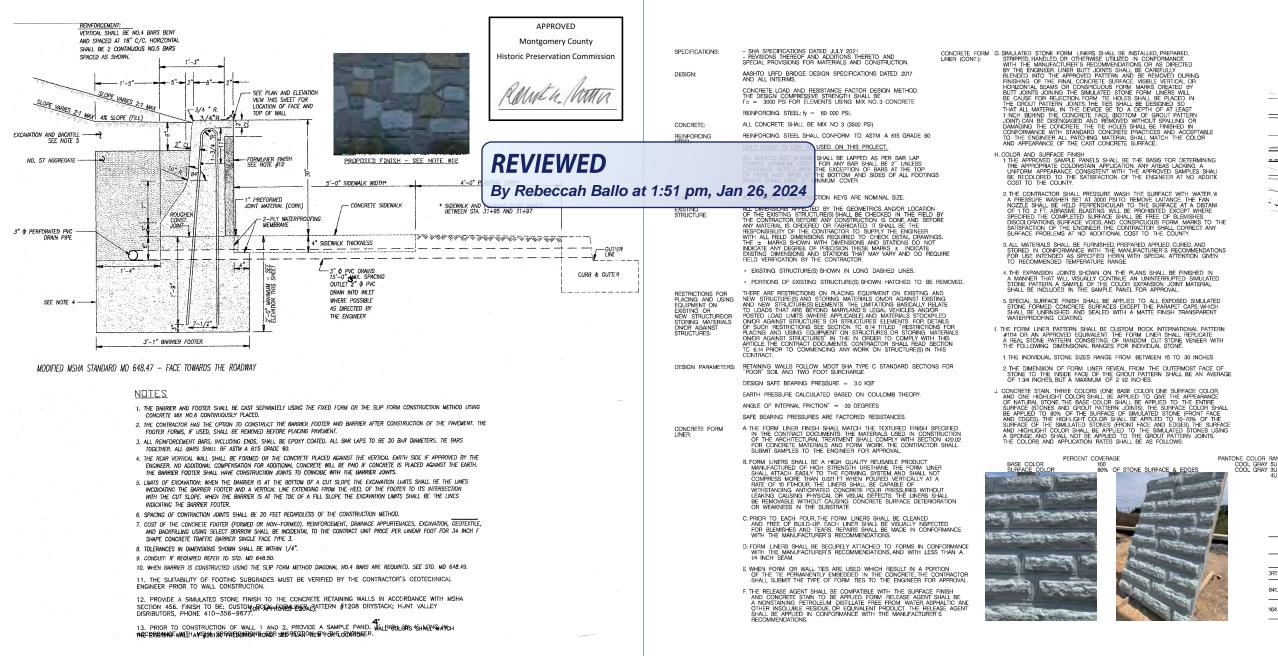
# Clarksburg Rd at Snowden Farm Pkwy Project

PANTONE COLOR RANGE

COOL GRAY 5U COOL GRAY 3U COOL GRAY 4U

# Hyattstown Sidewalk Project

# Clarksburg Rd at Snowden Farm Pkwy Project





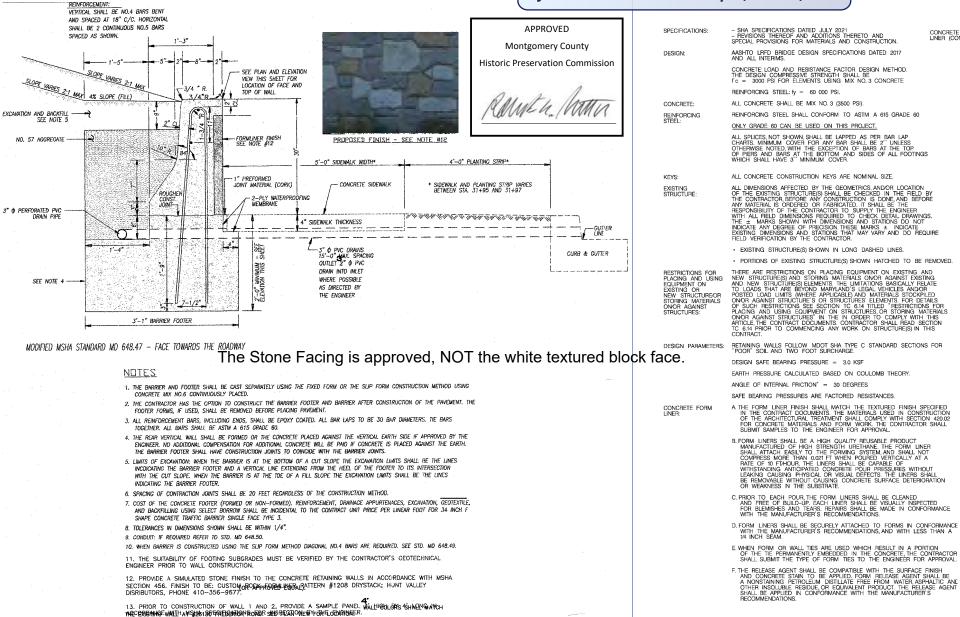


Hyattstown Sidewalk Project

# REVIEWED

# Clarksburg Rd at Snowden Farm Pkwy Project

By Rebeccah Ballo at 1:50 pm, Jan 26, 2024



SHA SPECIFICATIONS DATED JULY 2021 REVISIONS THEREOF AND ADDITIONS THERETO AND PECIAL PROVISIONS FOR MATERIALS AND CONSTRUCTION.	CONCRETE FORM LINER (CONT.):	G SIMULATED STONE FORM LINERS SHALL BE INSTALLED, PREPARED, STRIPPED, HANDLED, OR OTHERWISE UTILIZED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, OR AS DIRECTED
ASHTO LRFD BRIDGE DESIGN SPECIFICATIONS DATED 2017 ND ALL INTERIMS.		BY THE ENGINEER, LINER BUTT JOINTS SHALL BE CAREFULLY BLENDED INTO THE APPROVED PATTERN AND BE REMOVED DURING FINISHING OF THE FINAL CONCRETE SURFACE, VISIBLE VERTICAL OR
ONCRETE: LOAD AND RESISTANCE FACTOR DESIGN METHOD. HE DESIGN COMPRESSIVE STRENGTH SHALL BE c = 3000 PSI FOR ELEMENTS USING MIX NO.3 CONCRETE		WITH THE WANUERACTUREN'S RECOMMENDATIONS OR AS DIRECTED BY THE ENGINEER. LINE BUTT JOINTS SHALL BE CAREFULLY BLENDED INTO THE APPROVED PATTERN AND BE REMOVED DURING HINISHING OF THE FIAL CONCRETE SURFACE USING VERTICAL OR HORIZONTAL SEAMS OR CONSPICUOUS FORM MARKS CREATED BY BE CAUSE FOR REJECTION FORM THE HOLES SHALL BE PLACED IN THE GROUT PATTERN JOINTS. THE THES SHALL BE PLACED IN THE GROUT PATTERN JOINTS. THE THES SHALL BE DESIGNED SO THAT ALL MATERIAL IN THE DEVICE BY TO A DEPTH OF AT LEAST INCH BEHIND THE CONCRETE FACE (BOTTOM OF GROUT PATTERN JOINT CAN BE DISENGAGED AND REMOVED WITHOUT SPALLING ON DAMAGING THE CONCRETE FACE (BOTTOM OF GROUT PATTERN JOINT CAN BE DISENGAGED AND REMOVED WITHOUT SPALLING ON DAMAGING THE CONCRETE FACE (BOTTOM OF GROUT PATTERN TO THE ROINTER ALL PATCHING MARKEN LINE IN ACCH TABLE OT OTHE PROVINE THAT LINTOHING ANTERIAL SHALL FINATED THE AND APPEARANCE OF THE CAST CONCRETE SURFACE.
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LL CONCRETE SHALL BE MIX NO. 3 (3500 PSI).		JOINT) CAN BE DISENGAGED AND REMOVED WITHOUT SPALLING OR DAMAGING THE CONCRETE. THE TIE HOLES SHALL BE FINISHED IN
EINFORCING STEEL SHALL CONFORM TO ASTM A 615 GRADE 60		CONFORMANCE WITH STANDARD CONCRETE PRACTICES AND ACCEPTABLE TO THE ENGINEER ALL PATCHING MATERIAL SHALL MATCH THE COLOR
INLY GRADE 60 CAN BE USED ON THIS PROJECT.		AND APPEARANCE OF THE CAST CONCRETE SURFACE.
LL SPLICES, NOT SHOWN, SHALL BE LAPPED AS PER BAR LAP HARTS, MINIMUM COVER FOR ANY BAR SHALL BE 2" UNLESS THERWISE NOTED, WITH THE EXCEPTION OF BARS AT THE TOP IF PIERS AND BARS AT THE BOTTOM AND SIDES OF ALL FOOTINGS (HICH SHALL HAVE 3" MINIMUM COVER.	:	H.COLOR AND SUFFACE FINISH T.THE APPROVED SAMPLE PANELS SHALL BE THE BASIS FOR DETERMINING THE APPROPRIATE COLORISTAIN APPLICATION. ANY AREAS LACKING A UNIFORM APPEARANCE CONSISTENT WITH THE APPROVED SAMPLES SHALL BE RECOLORED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIK COST TO THE COUNTY.
LL CONCRETE CONSTRUCTION KEYS ARE NOMINAL SIZE.		2. THE CONTRACTOR SHALL PRESSURE WASH THE SURFACE WITH WATER, M A PRESSURE WASHER SET AT 3000 PSITO REMOVE LATANCE. THE FAN
LL DIMENSIONS AFFECTED BY THE GEOMETRICS AND/OR LOCATION IN IF THE EXISTING STRUCTURES (SHALL BE CHECKED IN THE FIELD E HE CONTRACTOR BEFORE ANY CONSTRUCTION IS DONE AND BEFOR IN MATERIAL IS ORDERED OR FABRICATED. IT SHALL BE THE ESPONSIBILITY OF THE CONTRACTOR TO SUPPLY THE ENGINEER INT ALL FEID DIMENSIONS PEOLISET DO CHECK OFTAL DRAMMOR	BY RE	2. THE CONTRACTOR SHALL PHESSURE WASH THE SUFFACE WITH WATER, W A PRESSURE WASHER SET AT 300 PSTIO FEMORY LATANCE THE FAN NOZZLE SHALL BE HELD PERPENDICULAR TO THE SUFFACE AT A DISTAN OF ITO 2 FT. ARBASINE BLASTING WILL BE PROFILIED EXCEPT WHERE SPECIFIED THE COMPLETED SUFFACE SHALL BE FREE OF BLEMISHES, DISCOLORATIONS, SUFFACE VOIDS, AND CONSPICUOUS FORM MARKS TO THE SATISFACTION OF THE ENGINEER THE CONTRACTOR SHALL CORRECT ANY SUFFACE FROBLEWS AT NO ADDITIONAL COST TO THE COUNTE
The ponsibility for the ECONTRACTOR who support the Entitle Contractor who support the Entitle Drawing and the ECONTRACTOR who support the Entitle Drawing the E. Marks SHOWN WITH Dimensions and Stations do not Dicate any Eggree of Precision these Marks $\pm$ Indicate Stations of the ELD VERIFICATION BY THE CONTRACTOR WAY AND DO REQUED VERIFICATION BY THE CONTRACTOR.	UIRE	3. ALL MATERIALS SHALL BE FURNISHED, PREPARED, APPLIED, CURED, AND STORED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR USE INTENDED AS SPECIFIED HERIN, WITH SPECIAL ATTENTION GIVEN TO RECOMMENDED TEMPERATURE RANGE.
EXISTING STRUCTURE(S) SHOWN IN LONG DASHED LINES.		
PORTIONS OF EXISTING STRUCTURE(S) SHOWN HATCHED TO BE F		4. THE EXPANSION JOINTS SHOWN ON THE PLANS SHALL BE FINISHED IN A MANNER THAT WILL VISUALLY CONTINUE AN UNITERRUPTED SIMULATED STONE PATTERN. A SAMPLE OF THE COLOR EXPANSION JOINT MATERIAL SHALL BE INCLUDED IN THE SAMPLE PANEL FOR APPROVAL
HERE ARE RESTRICTIONS ON PLACING EQUIPMENT ON EXISTING AN EW STRUCTURES() AND STONIG MATERIA'S OWOR AGAINST EXISTI ND NEW STRUCTURES() ELEMENTS. THE LIMITATIONS BASICALLY REL O LOADS THAT ARE BEYOND MAPYLAND'S LEGAL VEHICES ANDOR OSTED LOAD LIMITS (WHERE APPLICABLE) AND MATERIALS STOCKPIU NOR AGAINST STRUCTURE'S OF STRUCTURES ELEMENTS. FOR DET	NG ATE ED AILS	5.SPECIAL SURFACE FINISH SHALL BE APPLIED TO ALL EXPOSED SIMULATED STONE FORMED CONCRETE SURFACES EXCEPT THE PARAPET CAPS WHICH SHALL BE UNFINISHED AND SEALED WITH A MATTE FINISH TRANSPARENT WATERPROOFING COATING.
NO NEW STRUCTURESS ELEMENTS IN HE UMITATIONS BASICALLY HED COTTO LCANT, UMIS EWHERE MPICABLE STOCOPI NOR AGAINST STRUCTURES OR STRUCTURES ELEMENTS. FOR DET IS UCH RESTRUCTURES OR STRUCTURES ELEMENTS. FOR DET LACING AND USING EQUIPMENT ON STRUCTURES, OR STORING MA NOR AGAINST STRUCTURES IN THE IN OPDER TO COMPLY WITH HTCLE, THE CONTRACT DOCUMENTS. CONTRACTOR SHALL READ SEC (5.14) PRIOR TO COMMENDING ANY WORK ON STRUCTURES) NT	S FOR TERIALS THIS CTION HIS	I. THE FORM LINER PATTERN SHALL BE CUSTOM ROCK INTERNATIONAL PATTERN #1114 OR AN APPROVED EQUIVALENT. THE FORM LINER SHALL REPLICATE A REAL STONE PATTERN CONSISTING OF RANDOM CUT STONE VENEER WITH THE FOLLOWING DIMENSIONAL PANGES FOR INDIVIDUAL STONE.
onmaon.		1. THE INDIVIDUAL STONE SIZES RANGE FROM BETWEEN 15 TO 30 INCHES.
ETAINING WALLS FOLLOW MOOT SHA TYPE C STANDARD SECTIONS POOR" SOIL AND TWO FOOT SURCHARGE.	FOR	<ol> <li>THE DIMENSION OF FORM LINER REVEAL FROM THE OUTERMOST FACE OF STONE TO THE INSIDE FACE OF THE GROUT PATTERN SHALL BE AN AVERAGE OF 134 INCHES, BUT A MAXIMUM OF 2 12 INCHES.</li> </ol>
ESIGN SAFE BEARING PRESSURE = 3.0 KSF		
ARTH PRESSURE CALCULATED BASED ON COULOMB THEORY.		AND ONE HIGHLIGHT COLORI SHALL BE APPLIED TO GIVE THE APPEARANCE OF NATURAL STONE. THE BASE COLOR SHALL BE APPLIED TO THE ENTIRE
NGLE OF INTERNAL FRICTION" = 30 DEGREES		SURFACE (STONES AND GROUT PATTERN JOINTS). THE SURFACE COLOR SHALL BE APPLIED TO 80% OF THE SURFACE OF SIMULATED STONE (FRONT FACE
AFE BEARING PRESSURES ARE FACTORED RESISTANCES.		AND EDGES). THE HIGHLIGHT COLOR SHALL BE APPLIED TO 10-70% OF THE SURFACE OF THE SIMULATED STONES (FRONT FACE AND EDGES). THE SURFACE
THE FORM LINER FINISH SHALL MATCH THE TEXTURED FINISH SP IN THE CONTRACT DOCUMENTS THE MATERIALS USED IN CONST OF THE ARCHITECTURAL TREATMENT SHALL COMPLY WITH SECTION FOR CONCRETE MATERIALS AND FORM WORK. THE CONTRACTOR SUBMIT SAMPLES TO THE ENGINEER FOR APPROVAL.	ECIFIED RUCTION N 420.02 SHALL	J. CONCRETE STAIN. THREE COLORS (ONE BASE COLOR ONE SURFACE COLOR, AND ONE HIGHLIGHT COLOR) SHALL BE APPLIED TO GIVE THE APPEARANCE OF NATURAL STONE. THE BASE COLOR SHALL BE APPLIED TO THE ENTIRE SURFACE (STONES AND GROUT PATTERN JOINTS, THE SURFACE COLOR SHALL AND STORES) THE HIGHLIGHT COLOR SHALL BE APPLIED TO THE COLORS SHALL SURFACE OF THE SUMLATED STONES (FROM FACE AND EDGES) THE SURFACE AND DEDES) THE HIGHLIGHT COLOR SHALL BE APPLIED TO THE CONS. OF THE SURFACE OF THE SIMULATED STONES (FROM FACE AND EDGES) THE SURFACE AS SPONGE, AND SHALL NOT BE APPLIED TO THE GROUT PATTERN JOINTS. THE COLORS AND APPLICATION RATES SHALL BE AS FOLLOWS:
FORM LINERS SHALL BE A HIGH QUALITY REUSABLE PRODUCT	P	PERCENT COVERAGE PANT BASE COLOR 100
FORM LINERS SHALL BE A HIGH QUALITY REUSABLE PRODUCT MANUFACTURED OF HIGH STERIOSTI UNETHANE. THE FORM LINE SHALL ATTACH EASILY TO THE FORMING SYSTEM, AND SHALL NO COMPRESS MORE THAN DUELT FWIELD POURED VERTICALLY AT A RATE OF 10 TOHOUT THE LINERS SHALL BE CAPABLE OF UT AND A SHALL AND A SHALL AND A SHALL AND A SHALL AND LEAKING CAUSING PHYSICAL OR MISLIAL OPETICST. THE LINERS SH BE REMOVABLE WITHOUT CAUSING CONCRETE SURFACE DETERIO FOR WEAKNESS IN THE SUBSTRATE.	rt JT IALL RATION	SUFFACE COLOR 80% OF STONE SUFFACE & EDGES
OR WEAKNESS IN THE SUBSTRATE.		



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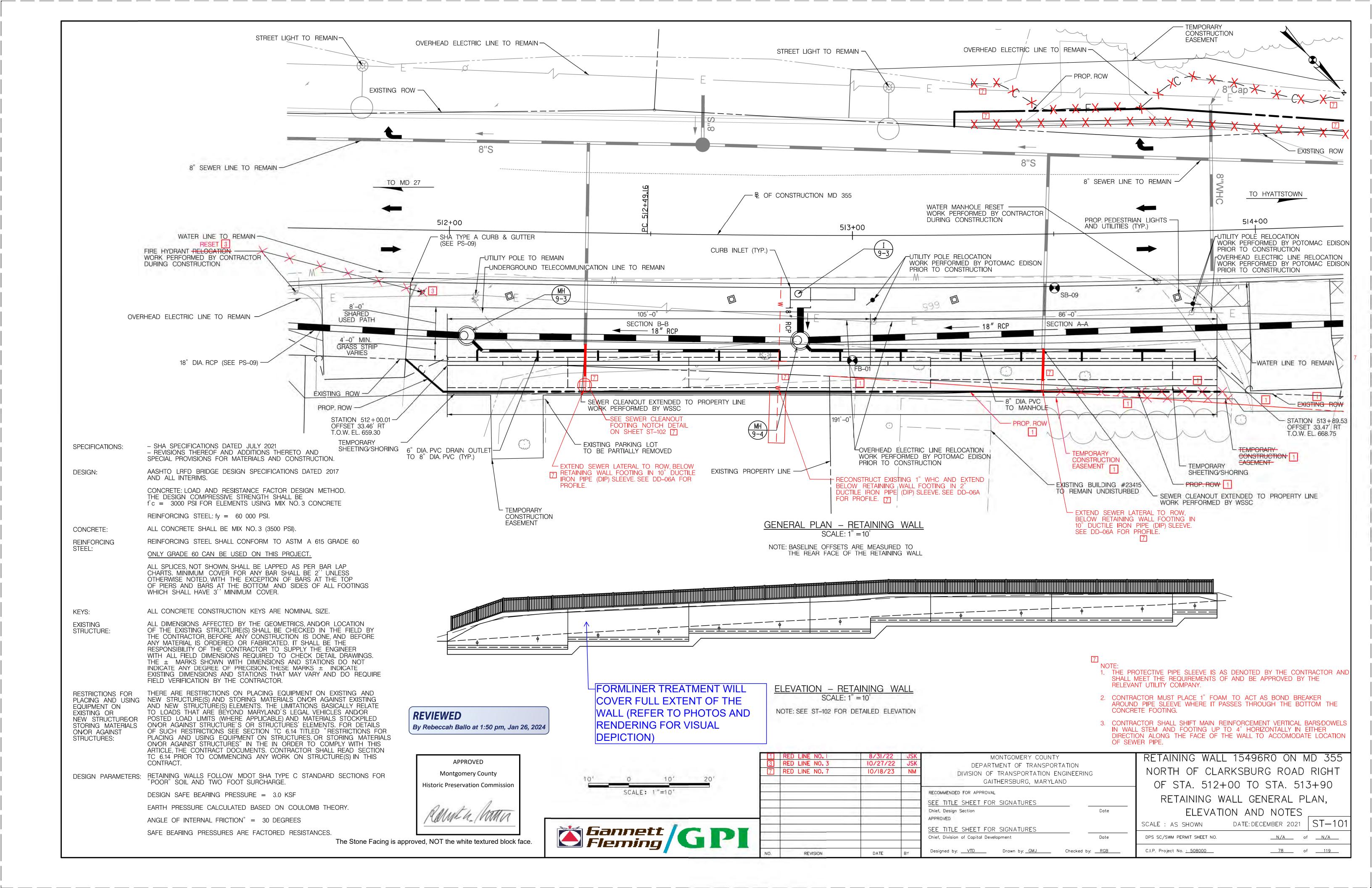
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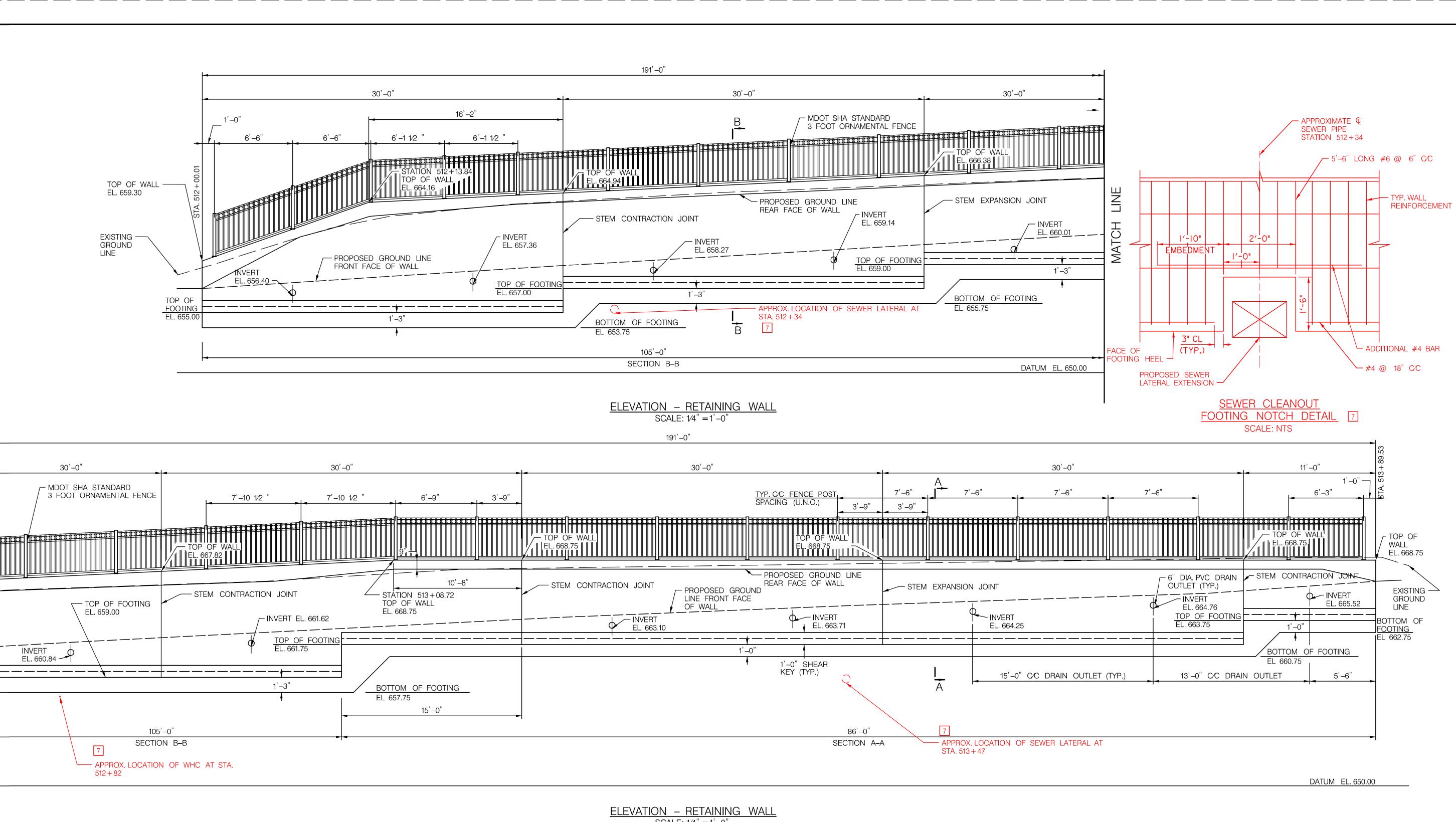
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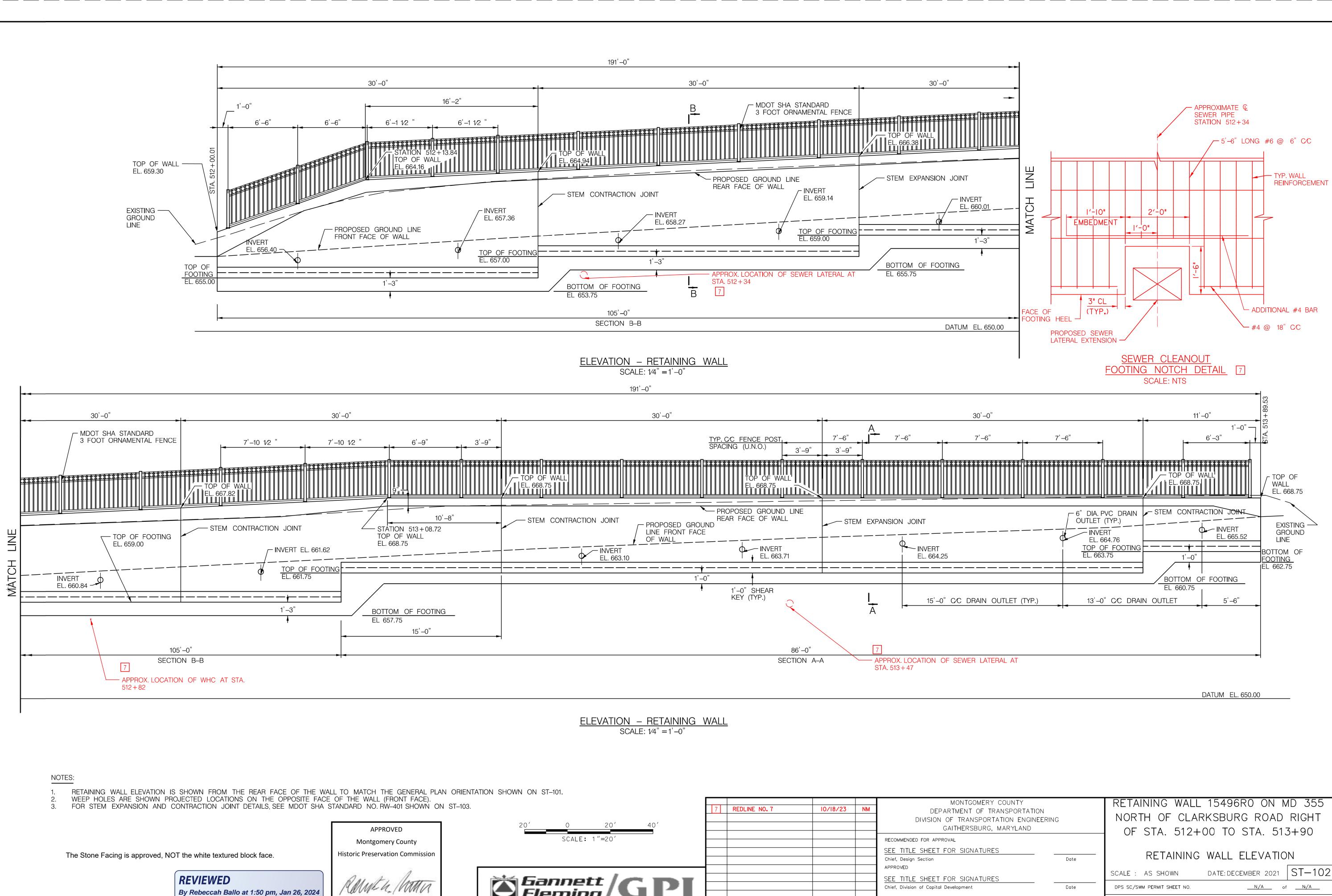
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Hyattstown along Frederick Rd Constructed Retaining Wall

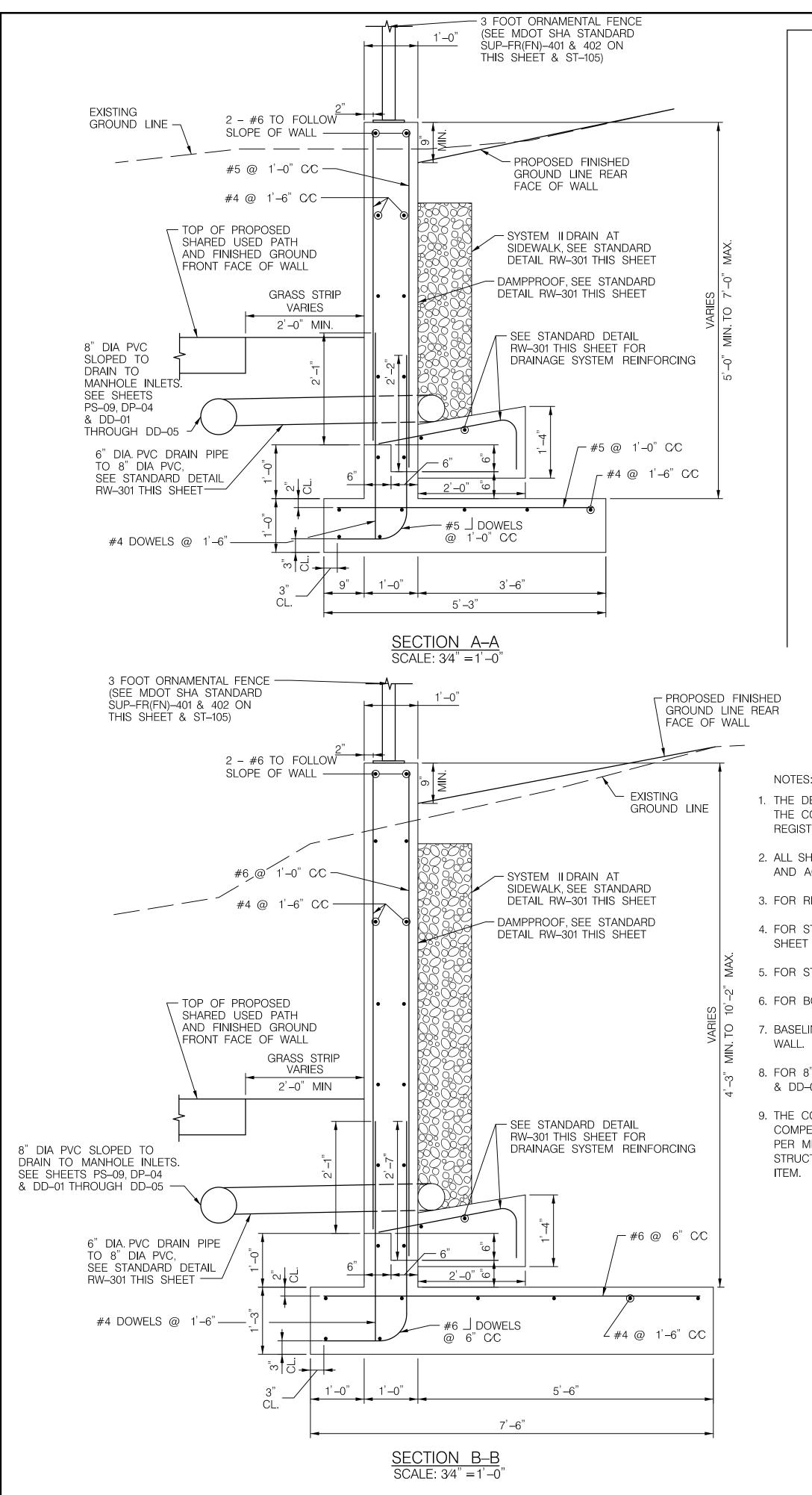


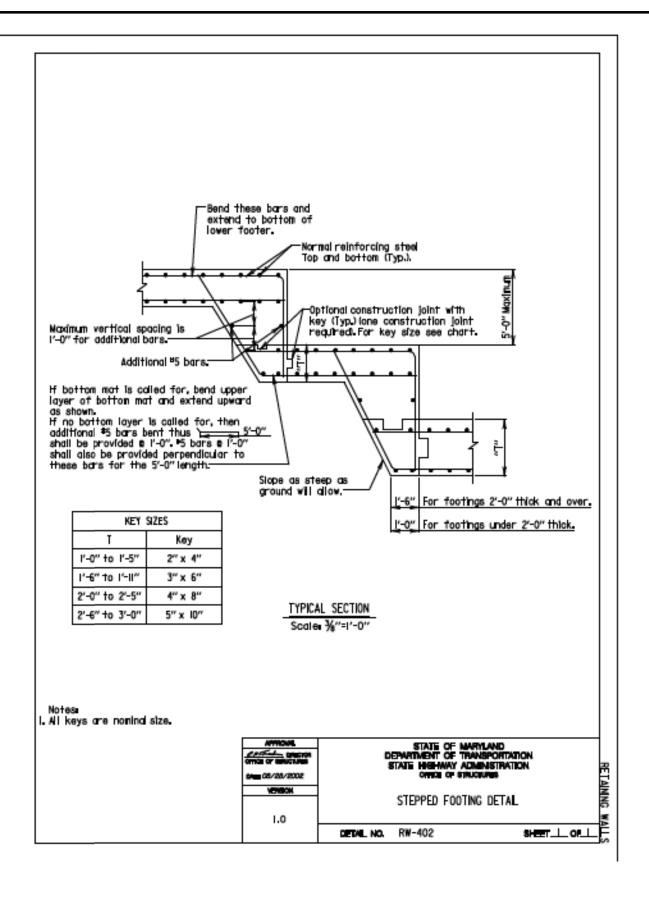


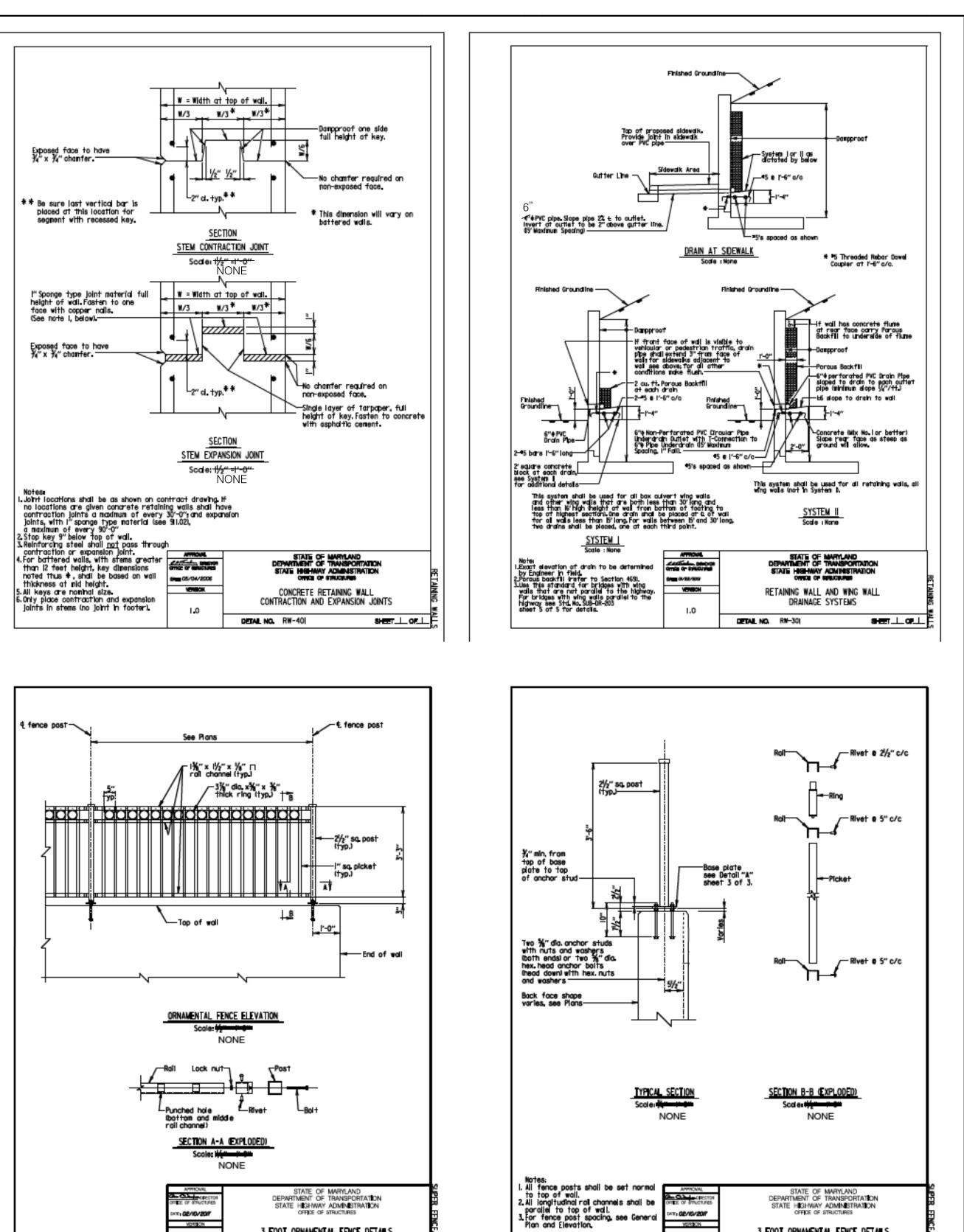


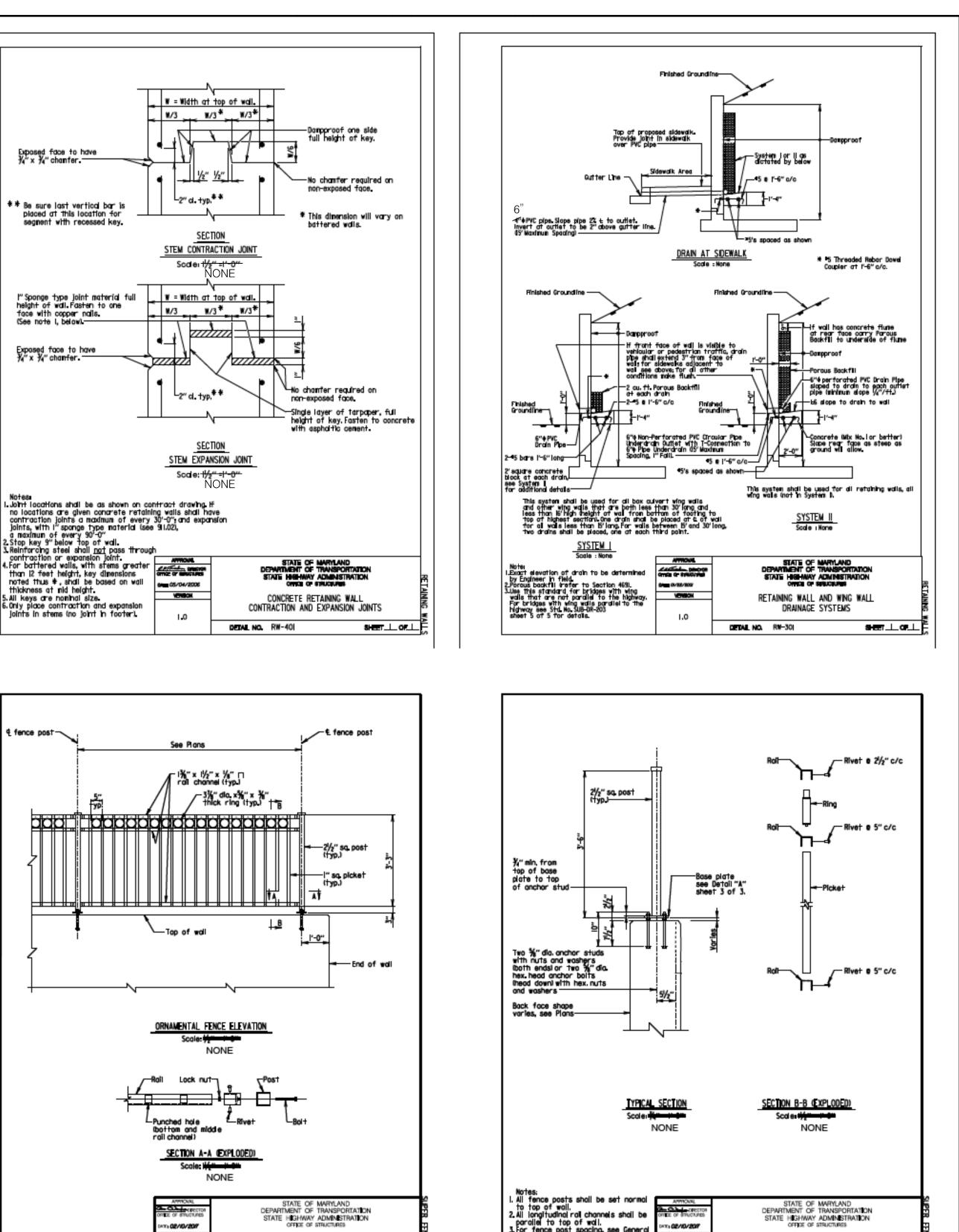


AN ORIENT	ATION SHOWN ON ST-101.						
ON ST-103.		7 REDLINE NO. 7	10/18/23	NM	MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND	RETAINING WALL 15496R0 ON MD 355 NORTH OF CLARKSBURG ROAD RIGHT OF STA. 512+00 TO STA. 513+90	
	SCALE: 1"=20'				RECOMMENDED FOR APPROVAL         SEE TITLE SHEET FOR SIGNATURES         Chief, Design Section         Date	RETAINING WALL ELEVATION	
	Sannett / GPI	NO. REVISION	DATE	BY	APPROVED         SEE TITLE SHEET FOR SIGNATURES         Chief, Division of Capital Development         Designed by:       VTD         Drawn by:       GMJ         Checked by:       RGB	SCALE : AS SHOWN       DATE: DECEMBER 2021       ST-102         DPS SC/SWM PERMIT SHEET NO.	







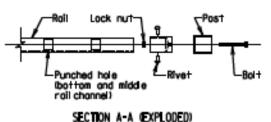


3 FOOT ORNAMENTAL FENCE DETAILS

DETAIL NO. SUP-FRIEND-402

SHEET 2 OF 3

1.0





VERSION 3 FOOT ORNAMENTAL FENCE DETAILS 1.0

DETAIL NO. SUP-TREND-402

SHEET OF 3

Romath. Matter		MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND	RETAINING WALL 15496R0 ON MD 355 NORTH OF CLARKSBURG ROAD RIGHT OF STA. 512+00 TO STA. 513+90
<b>REVIEWED</b> By Rebeccah Ballo at 1:50 pm, Jan 26, 2024		RECOMMENDED FOR APPROVAL          SEE TITLE SHEET FOR SIGNATURES	- RETAINING WALL SECTIONS AND RETAINING WALL DETAILS SCALE : AS SHOWN DATE: DECEMBER 2021 ST-103
Sannett / GPI	NO.     REVISION     DATE     BY	SEE TITLE SHEET FOR SIGNATURES         Chief, Division of Capital Development       Date         Designed by:       VTD         Drawn by:       GMJ       Checked by:       RGB	SCALE :         AS SHOWN         DATE: DECEMBER 2021         ST = 100           DPS SC/SWM PERMIT SHEET NO.

- 1. THE DESIGN OF THE TEMPORARY SHEETING/SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE DONE BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND.
- 2. ALL SHOP DRAWINGS, INCLUDING TEMPORARY SHEETING/SHORING, SHALL BE REVIEWED AND ACCEPTED BY THE ENGINEER-OF-RECORD AND MDOT SHA OFFICE OF STRUCTURES.
- 3. FOR RETAINING WALL ELEVATION, REFER TO SHEET ST-102.
- 4. FOR STANDARD JOINT AND WALL DRAINAGE SYSTEM DETAILS, REFER TO SHEET ST-103.
- 5. FOR STANDARD REINFORCING DETAILS, REFER TO SHEETS ST-104 & ST-105.
- 6. FOR BORING LOGS REFER TO SHEET ST-106.
- 7. BASELINE OFFSETS ARE MEASURED TO THE REAR FACE OF THE RETAINING
- 8. FOR 8" DIA PVC AND ADDITIONAL DRAINAGE DETAILS SEE SHEETS PS-09, DP-04 & DD-01 THROUGH DD-05.
- 9. THE CONTRACTOR IS FULLY RESPONSIBLE FOR MAINTAINING THE STRUCTURAL COMPETENCY OF THE ADJACENT BUILDING #23415 DURING CONSTRUCTION AS PER MDOT SHA STANDARD SPECIFICATIONS SECTION 404 - PROTECTION OF EXISTING STRUCTURES, WITH ALL ASSOCIATED COSTS INCIDENTAL TO THE RETAINING WALL
  - The Stone Facing is approved, NOT the white textured block face.

