CITY OF CHARLES TOWN
HISTORIC LANDMARKS COMMISSION
AGENDA • AUGUST 14, 2023

Committee Meeting **CITY HALL** **7:00 PM**
101 E Washington Street, Charles Town, WV 25414

1. CALL TO ORDER

2. APPROVAL OF MINUTES

2.1 : July 10 2023 Draft Minutes
HLC Minutes 7-10-23.pdf

3. UNFINISHED BUSINESS

3.1 : Annual Report
2022-23 Historic Landmarks Commission Annual Report.pdf

4. NEW BUSINESS

4.1 : **Public Hearing:**
COA2023-010 - 520 W. Congress - Request for Demolition
1. Report.pdf
2. Application.pdf
3. Staff photos.pdf

4.2 : **Public Hearing:**
COA2023-11 - 111/113 W. North St. - Request for demolition of a duplex and construction of a new duplex
1. Report.pdf
2. Application.pdf
3. Narrative.pdf
4. Staff Photos.pdf

4.3 : Commission Review - Happy Retreat
1. Staff Report.pdf
2. Application.pdf
3. Plans.pdf

4.4 : Commission Review - Augustine Trail
1. Staff report.pdf
2. State Request.pdf
3. Plans.pdf

5. ADJOURNMENT

6. NOTICE: The Public May View the Meeting Live by Clicking on the Event Link at:

https://www.charlestownwv.us/government/agendas-and-minutes/

Historic Landmarks Commission
101 East Washington Street
Charles Town, WV 25414

Meeting: 08/14/23
Department: Historic Landmarks Commission
Category: Report
Initiator:

SCHEDULED

AGENDA ITEM (ID #)

July 10 2023 Draft Minutes

ATTACHMENTS:

- HLC Minutes 7-10-23.pdf

CITY OF CHARLES TOWN

HISTORIC LANDMARKS COMMISSION

MINUTES • July 10, 2023

Committee Meeting	**CITY HALL**	**7:00 PM**

101 East Washington Street, Charles Town, WV 25414

1. CALL TO ORDER

Present: Nick Zaglifa, Chair
Amanda Updike, Vice Chair
Diane Drake*

Absent: Jeff Whitten

*Diane Drake attended the meeting via Zoom.

Meeting started late at 7:08pm.

2. APPROVAL OF MINUTES

- 2.1: Minutes – June 12th, 2023

Motion to approve minutes.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Nick Zaglifa
SECONDER:	Diane Drake
AYES:	Nick Zaglifa, Diane Drake, Amanda Updike

3. UNFINISHED BUSINESS

4. NEW BUSINESS

4.1: **COA 2023-09: Request for wall-mounted signs at 308 W. Congress St.**

Motion to open public hearing.

DRAFT

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Amanda Updike
SECONDER:	Diane Drake
AYES:	Nick Zaglifa, Diane Drake, Amanda Updike

Property is zoned old town mixed-use commercial. The applicant seeks to add 2 wall-mounted signs made of high-density propylene aluminum in two different locations: one outside the office door, and one outside the garage service door.

No questions from the Commission. No public comment.

Motion to close Public Hearing.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Diane Drake
SECONDER:	Amanda Updike
AYES:	Nick Zaglifa, Diane Drake, Amanda Updike

Motion to approve the application.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Amanda Updike
SECONDER:	Diane Drake
AYES:	Nick Zaglifa, Diane Drake, Amanda Updike

4.2: HLC Annual Report

Chair requested that this item be placed back on the August agenda for official approval vote.

Chair inquired about historic preservation courses offered to fulfill educational requirements.

DRAFT

5. ADJOURNMENT

Motion to adjourn.

RESULT:	**APPROVED [UNANIMOUS]**
MOVER:	Diane Drake
SECONDER:	Amanda Updike
AYES:	Nick Zaglifa, Diane Drake, Amanda Updike

DRAFT

Historic Landmarks Commission
101 East Washington Street
Charles Town, WV 25414

Meeting: 08/14/23
Department: Historic Landmarks Commission
Category: Report
Initiator:

SCHEDULED

AGENDA ITEM (ID #)

Annual Report

ATTACHMENTS:

- 2022-23 Historic Landmarks Commission Annual Report.pdf

CITY OF CHARLES TOWN HISTORIC LANDMARKS COMMISSION

CERTIFIED LOCAL GOVERNMENT ANNUAL REPORT FISCAL YEAR 2022-2023

City of Charles Town
Department of Community Development

REPORT CONTENTS OUTLINE

Date of Completion: 7/5/2023

A Certified Local Government is responsible for submitting an annual report to the West Virginia State Historic Preservation Office. The report is due within 60 days of the end of the local government's fiscal year, and must include the following information:

I. CONTACT INFORMATION

Commission Name: Historic Landmarks Commission
Mailing Address: 101 E. Washington Street, Charles Town, WV

Commission Members:

Chair:	Nick Zaglifa | nickforcharlestown@gmail.com
Vice Chair:	Amanda Updike | mandiux3@gmail.com
Member:	Diane Drake | dianemdrake@yahoo.com
Member:	Jeff Whitten | jkwhitten@gmail.com
Member:	Pam Hird | hirdpam@gmail.com

II. LOCAL LEGISLATION

1. Copies of any new ordinances, amendments, bylaws, or guidelines enacted during this period. **NONE**
2. Number and list of new historic districts or landmark designations. A map must also be submitted showing site locations. **NONE**
3. Number of cases reviewed under authority of local ordinance (see table below)

CASES REVIEWED:

July 1, 2022 - June 30, 2023

	Approved	Denied	Appealed	Total
Maintenance	3	1	0	4
Facade Improvement	4	0	0	4
Signage	12	0	0	12
Demolitions	0	0	0	0
New Construction*	3	1	0	4

*New Construction refers to deck replacement, ramps, new structures, etc.



Commission-approved sign and facade work at Caverns Ice Cream, 212 North George Street.



Construction continues at 515 West Washington Street.



Sign at Firehouse Gallery,
108 North George Street.



Commission-approved hanging sign at
119 East Liberty Street.

III. LOCAL HISTORIC PRESERVATION COMMISSION:

1. Any changes to the membership of the commission. For vacancies, please indicate length of vacancy, how an attempt was made to obtain qualified professionals to fill the vacancy, and how the new appointee(s) demonstrate an avocation, interest, competence, or knowledge of historic preservation. In addition, please submit a resume for any new commission members.
2. Summary of how the commission obtained qualified professional expertise in the review of nominations or other actions normally evaluated by a professional if such expertise is not available on the commission.
    - The HLC receives staff reports before each meeting detailing the requests of the applicant.
    - Commissioner Jeff Whitten actively works as a historic preservation contractor.
3. Number of commission meetings held during this period.
    - 10 commission meetings were held between July 2022 and June 2023.
4. Explanation of how commission meetings were advertised in advance.
    - All public hearings were advertised in the *Spirit of Jefferson*, posted at City Hall, and indicated with yard signs and placards at the address of the establishment. Hearings were also advertised on the City website.
5. Indication of the number of meetings which each commission member attended.
    - See next page.

COMMISSION MEMBER ATTENDANCE

Commissioner	Present	Absent	Cancelled
Chair Nick Zaglifa	10	0	1
Vice Chair Amanda Updike	10	0	1
Jeff Whitten	8	2	1
Diane Drake	10	0	1
Pam Hird	6	4	1

6. Indication of any historic preservation training sessions which each commission member attended during this period.
   - Commissioner Jeff Whitten attended a National Trust for Historic Preservation conference.

IV. NATIONAL REGISTER NOMINATIONS:

1. List of activities affecting any National Register sites in the commission's jurisdiction.
   - **NONE**
2. List of National Register nominations reviewed by the commission.
   - **NONE**
3. List of persons contacted during the review and comment period.
   - **NONE**

V. LOCAL SURVEY AND INVENTORY:

1. List and copies of new inventory forms completed for individual buildings, historic districts, and archaeological sites. A map must be included that indicates newly inventoried sites.
   - **NONE**
2. Summary of survey activities including future plans.
   - **NONE**

VI. PUBLIC PARTICIPATION:

1. Outline of public participation procedures which complied with West Virginia Open Law 6-9A-1 et seq.
    - All meetings are open to the public and held in City Hall. All public hearings are advertised at least 14 days in advance in the local newspaper, agenda is posted at City Hall, and a sign is placed on the property for which the application was made.

VII. TECHNICAL ASSISTANCE:

1. Technical assistance needs for the upcoming year.
    - **NONE**

HISTORICALLY HIP.

CHARLES TOWN, WV

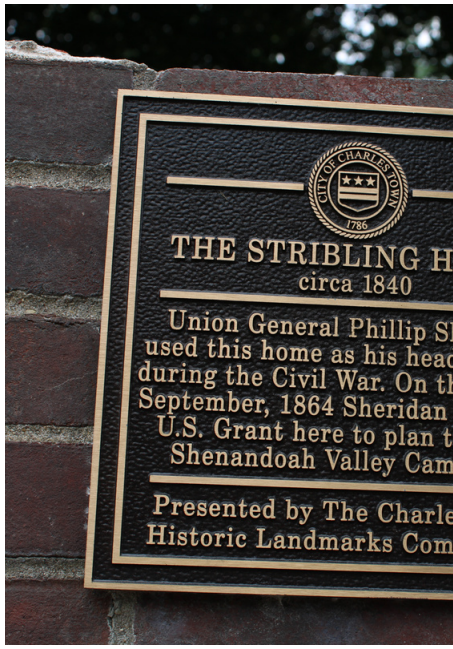












Historic Landmarks Commission
101 E. Washington St.
Charles Town, WV 25414
charlestownwv.us

Historic Landmarks Commission
101 East Washington Street
Charles Town, WV 25414

Meeting: 08/14/23
Department: Historic Landmarks Commission
Category: Report
Initiator:

SCHEDULED

AGENDA ITEM (ID #)

Public Hearing:
COA2023-010 - 520 W. Congress - Request for Demolition

ATTACHMENTS:

- 1. Report.pdf
- 2. Application.pdf
- 3. Staff photos.pdf

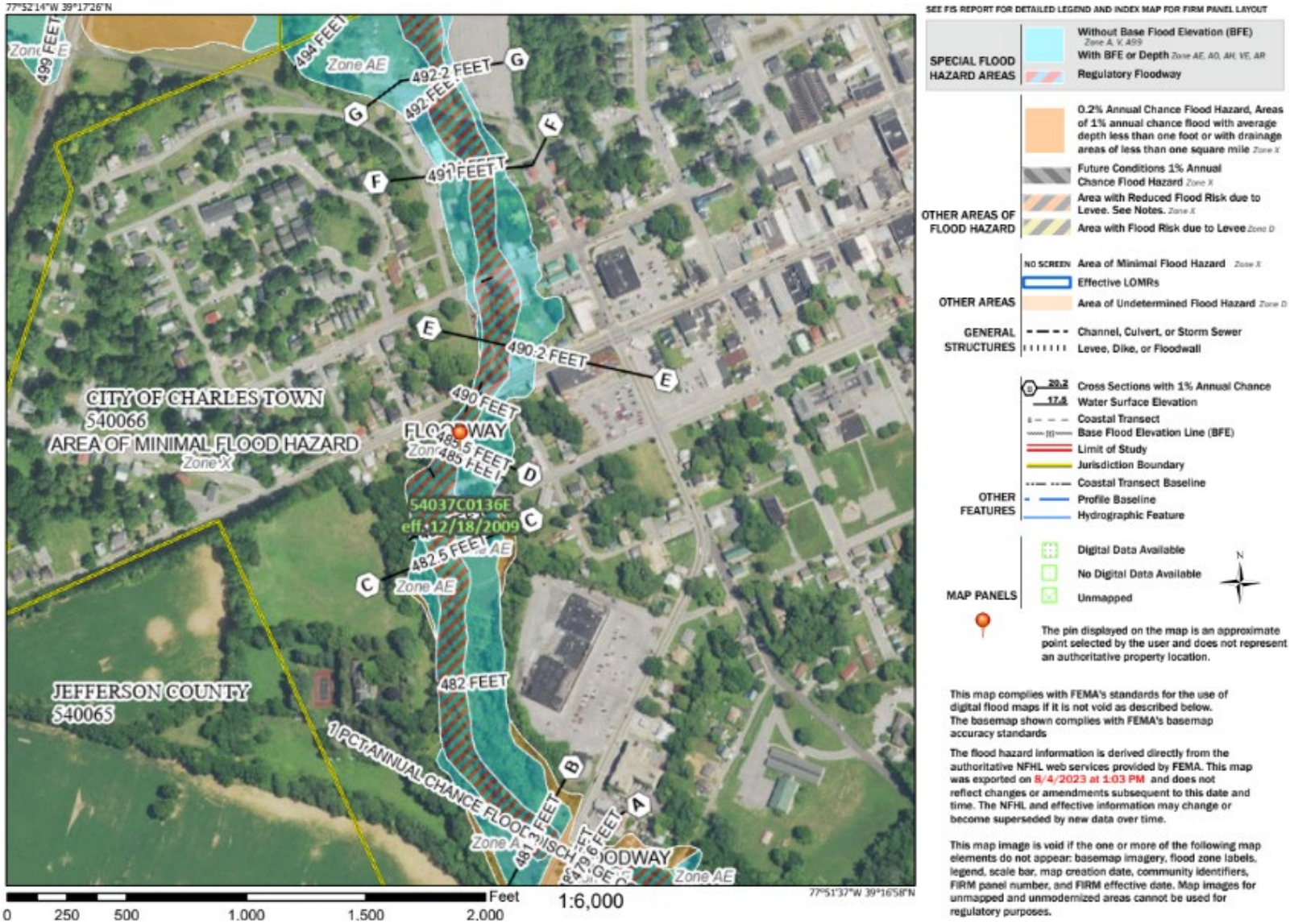
Public Hearing – Certificate of Appropriateness
COA-2023-10 – 520 W. Congress

Date: For the August 14, 2023, Historic Landmarks Commission meeting
Applicant: Mark Roper
Property Owner: Proper Consultants LLC
Report by: James Newman, City Planner, Zoning/Subdivision Administrator
Proposal: Certificate of Appropriateness for demolition
Property Location: TD: 03 / Map: 1 / Pcl: 211
Current Zoning: Old Town Residential (OT-R) and Historic Overlay District (HOD)



HISTORIC SURVEY BUILDING INFORMATION: Old Charles Town Historic District.
No. 368. End of 500 Block of West Congress Street. Two story I-house. Two front bays 6/6 double-hung window sash, Gable end chimney. Asphalt shingle siding. Three turned porch pillars, and two turned pilasters. Standing seam metal roof. Shed porch roof. Stone foundation. Rear extension. Circa 1880. One **contributing** building.

FLOOD INFORMATION
The property lies within a special flood hazard area.



PROPOSAL
The demolition of the structure at 520 W. Congress St. The applicant states that the cost to rehabilitate the structure to make it safe for living is prohibitively expensive. If the request is not approved, there is danger of the structure collapsing into Evitts Run and blocking the stream, and possibly damaging adjacent properties, especially the adjacent home at 519 W. Washington Street.

SELECT VIEWS

FRONT FAÇADE VIEW OF THE STRUCTURE



FRONT PORCH



INTERIOR



OUTBUILDINGS



BUILDING CORNER FALLING INTO CREEK



HISTORIC DISTRICT REQUIREMENTS

From page 55 of the Design Review Standards:

> *Demolition is forever. Once a building is gone it takes away another piece of the City's character. Demolition of a historic building or resource that has most of its original design and features should be an action of last resort.*
>
> …
>
> *An application for a Certificate of Appropriateness must be submitted, reviewed and evaluated for approval or disapproval by the CTHLC before a demolition permit, whether for full demolition, partial or constructive removal, will be granted. The list below includes, but is not limited to, factors which will be considered in evaluating a request for a demolition:*

Review Criteria

1. *Whether or not the structure is of such old or distinctive design, texture, or scarce materials that it could not be reproduced or could be reproduced only with great difficulty and expense and, whether or not the structure is one of only a few remaining of that style or is particularly unique in its character.*

   The house dates from approx. 1880. There are approximately 55 structures in the City listed with a construction date of 'Circa 1880'. There is no feature which stands out as unique in style or character worthy of saving on its own. The structure has fallen into disrepair and there is no viable plan to save it.

2. *Whether or not the proposed demolition may adversely affect other historic buildings or the character of the historic district.*

   Demolition of the structure in a safe manner will prevent it from falling into Evitts Run, and damaging other nearby historic structures.

3. *The reason for demolishing the structure and whether or not alternatives exist.*

   The structure is at danger of falling into Evitts Run, creating a dam as well an environmental hazard from materials in the house leaching into the waterway. It is unsafe for habitation, and demolition is the only viable path forward; the amount of money required to fix the house is more than the applicant is reasonably able put forth.

4. *Whether or not there has been a professional economic and structural feasibility study for rehabilitating or reusing the structure and if so, whether or not its findings support the proposed demolition.*

   No study has been performed.

5. *Whether or not the structure is so significantly altered, so as to have irretrievably "lost" it's architectural and historical integrity. The fact that two significant historical styles may exist within a structure will not, in itself, constitute loss of architectural and historical integrity for the purposes of this paragraph.*

   The house is described as "*Two story I-house. Two front bays 6/6 double-hung window sash, Gable end chimney. Asphalt shingle siding. Three turned porch pillars, and two turned pilasters. Standing seam metal roof. Shed porch roof. Stone foundation. Rear extension. Circa 1880. One* ***contributing*** *building.*"

   The structure leans towards Evitts Run due to it's dilapidated state. The pilasters and turned pillars no longer exist. The siding does not appear to be asphalt shingle. The roof retains the standing seam metal, and the structure has a stone base.

   The structure still retains core historic features: the stone base, the standing seam roof, the overall design and aesthetic style of an I-house.

STAFF RECOMMENDATION

Approval. The Commission should approve the demolition of the structure. It is unsafe, lists towards Evitts Run, and the cost to rehabilitate the structure is beyond a reasonable expense for the applicant. The structure, while historic and contributing, is not of such a rear and undiluted character as to necessitate saving at all cost.

COA Application No._____

RECEIVED
JUN 27 2023
BY:_____

CERTIFICATE OF APPROPRIATENESS APPLICATION

ZONING ORDINANCE SECTION 1322.13, HISTORIC OVERLAY DISTRICT
AND
ARTICLE 141 OF THE CHARLES TOWN CODIFIED ORDINANCE
AND
DESIGN REVIEW STANDARDS

All proposed activity must be approved by the Historic Landmarks Commission (HLC) via issuance of a Certificate of Appropriateness (COA).

Many of the activities for which a COA is required also requires building permit, which is a separate process from obtaining a COA.

If applying for the Façade Improvement Program, the "Addendum – Façade Improvement Program" will be required in addition to this application.

1. DATE June 27, 2023

2. APPLICANT'S NAME* Mark Roper

Address: 418 S. Samuel St Charles Town, WV 25414

Telephone Number: (304) 671-5262 Fax Number (304) 725-7789

Email Address: MRConstructionWV@gmail.com

Relationship to Owner: ___Lessee ✓Contractor ___Architect ___Consultant ____Other: (explain)_____

3. PROPERTY OWNER'S NAME Proper Consultants LLC

Address: PO Box 144 Charles Town, WV 25414

Telephone Number: (304) 820-3459 Fax Number (___)

Email Address: ProperWVLLC@gmail.com

*Applicants include: Property owner(s), Engineer(s), Surveyor(s), or Consultant(s)

4. LEGAL DESCRIPTION OF THE SUBJECT PROPERTY (List all parcels that apply)

Property Address: 520 W. Congress Street Charles Town, WV

Tax Map # and Parcel(s): _____

Deed Book and Page #: _____

Zoning District: Charles Town

5. DESCRIPTION OF FORMER USE(S) OF THE PROPERTY

Residence

6. DESCRIBE THE CURRENT OR PROPOSED USE OF THE SUBJECT PROPERTY

Remove structure from public creek

7. TYPE OF WORK:

A. _____ Exterior alteration or repairs.

B. _____ New Construction: 1)____Primary Structure; 2)____Garage; 3)____New Addition; 4)____Other;

C. ✓ Demolition: 1) ✓ Whole Structure; 2)____Part of Structure;

D. _____Relocation of Structure

8. EXTERIOR ALTERATION OR REPAIR

A. Check all that apply for which approval of the proposed activity is requested:

____Architectural feature (decorative ornamentation)	____Metal trim	____Iron fences
____Material changes (wood, brick, metal, etc.)	____Windows - replacement, removal, elimination or new opening	____New construction
____Roof – Change in shape/profile	____Shutters	____Additions or alterations
____Skylights or dormers	____Door and transoms	____Signs
____Masonry - cleaning, tuckpointing, removal of masonry or other changes to the masonry	____Cut stone steps	____Solar panels
____Removal of historic markings and paintings	____Security Features	____Mothballing
____Wood cornices and concealed box gutters	____Porch or deck	✓ Demolition
____Wood trim	____Awnings and canopies	

B. List and describe in detail all work to be done for each item checked. Include the following materials when appropriate:

1) Sketches, photographs, specifications, manufacturer's illustrations or other description of proposed changes to the building's exterior. Detailed drawings are required for major changes in architectural features.
2) If material changes are proposed, please provide a description of them. The architect's specifications or brochures may suffice; however, the Commission may request samples of new materials.

C. SIGNS:

1) See page 6 of this application for more information.
2) Signage activities are regulated under Article 1324 (Signs) and Section 1322.13 (Historic Overlay District) of the City of Charles Town's Zoning Ordinance and by extension the Design Review Standards. **All permitted sign sizes, location of placement and additional sign standards are regulated by Article 1324 and shall meet those standards.** The HLC role is to review the sign for appropriateness within the Historic Overlay District.

D. NEW CONSTRUCTION: Describe the nature of the proposed project. Include the following materials when appropriate:

1) Site plan with measured distances.
2) Elevation drawings of each façade and specifications which clearly show the exterior appearance of the project.
3) Samples or other description of materials to be used.
4) Drawings or other description of site improvements such as fences, sidewalks, lighting, pavement, decks, etc.

E. DEMOLITION OF STRUCTURE

1) Describe the structure's condition and reason for demolition.
2) Additional criteria is found in the Design Review Standards, including the need to prove economic hardship.
3) Describe the proposed reuse of the site, including drawings of any proposed new structure or landscaping.

F. RELOCATION OF STRUCTURE

1) Explain what will be moved, why, and proposed changes.
2) If a building will be moved into a district from outside, include photographs.
3) Include a site plan of the proposed location in the district and describe any site features which will be altered or may be disturbed, including foundations, walls, vegetation, etc.

G. MOTHBALLING OF STRUCTURE

1) Describe how the structure will be secured from unwanted entry.
2) Describe measures to be taken to keep the weather and pest out.
3) If the property owner will not be in the state of West Virginia, designate a local contact.
4) If any door(s) or window(s) are to be boarded up, they must be painted to look like a door or window or decals that look like door and window must be adhered to the boards on the window or door.
5) Additional criteria is found in the Design Review Standards, including the need to prove economic hardship.
6) Describe how the property will be maintained so as to not become a code violation, such yard maintenance.

DESCRIPTION OF THE PROPOSED ACTIVITY:

E. 1) The structure was built 1900. As of 2022 the foundation is in the public creek of Evitts Run.
2) Public Water Safety
3) Remediate the waterflow of the creek by demolishing the current structure. The property will be cleared and maintained as always.

APPLICANT CERTIFICATION

I certify that, to the best of my knowledge, the submitted information and statements are true and correct. I also certify that I have read the relevant provisions of the Charles Town Design Review Standards pertaining to this application, Section 1322.13, of the Zoning Ordinance and for a sign request, Article 1324 of the Zoning Ordinance.

Signature of Applicant _____ Date 6-27-23

Signature of Property Owner(s) (If different than Applicant) _____ Date 6-27-2023

Please submit an original completed petition to the following:

Zoning Administrator
City of Charles Town
101 E. Washington Street
Charles Town, WV 25414

N/A

Signs – Additional Information

ESTIMATED COST OF SIGN(S) (Excluding Labor & Installation):

SIGN CONTRACTOR:

Contractor License #: WV & City of Charles Town:

TYPE OF SIGN

Type of Sign	Check One	Type of Sign	Check One
Free Standing		Suspended	
Building Mounted		Awning	
Window Lettering		Other (List)	

Where on the property or building will the sign(s) be located?

SIGN MATERIAL:

SIGN DIMENSIONS:

Height	Width	Depth

WILL SIGN(S) BE LIGHTED? If yes, list the type of lighting to be used:

PLEASE PROVIDE PROOF OF INSURANCE (In case of sign damage) Insurance Company:

PROVIDE AN ILLUSTRATION OR PHOTOGRAPH OF THE PROPOSED SIGN(S)

FOR CITY USE ONLY

Application Number:_____ Date Application Received:_____

Zoning District: _____

Fee: $_____ Paid: $_____ Check No._____

Receipt No._____

Zoning Administrator Approval:_____ Date:_____

Historic Landmarks Commission Approval:_____Date:_____

Comments:_____

_____

_____

_____

_____

_____


2023/07/27 00:06:49
30


2023/07/27 00:07:10
31


2023/07/27 00:07:19


2023/07/27 00:07:47
33


2023/07/27 00:07:58


2023/07/27 00:08:08
35

2023/07/27 00:08:20

36


2023/07/27 00:08:31
37


2023/07/27 00:08:51
38


2023/07/27 00:09:14
39


2023/07/27 00:10:31
40

Historic Landmarks Commission
101 East Washington Street
Charles Town, WV 25414

Meeting: 08/14/23
Department: Historic Landmarks Commission
Category: Report
Initiator:

SCHEDULED

AGENDA ITEM (ID #)

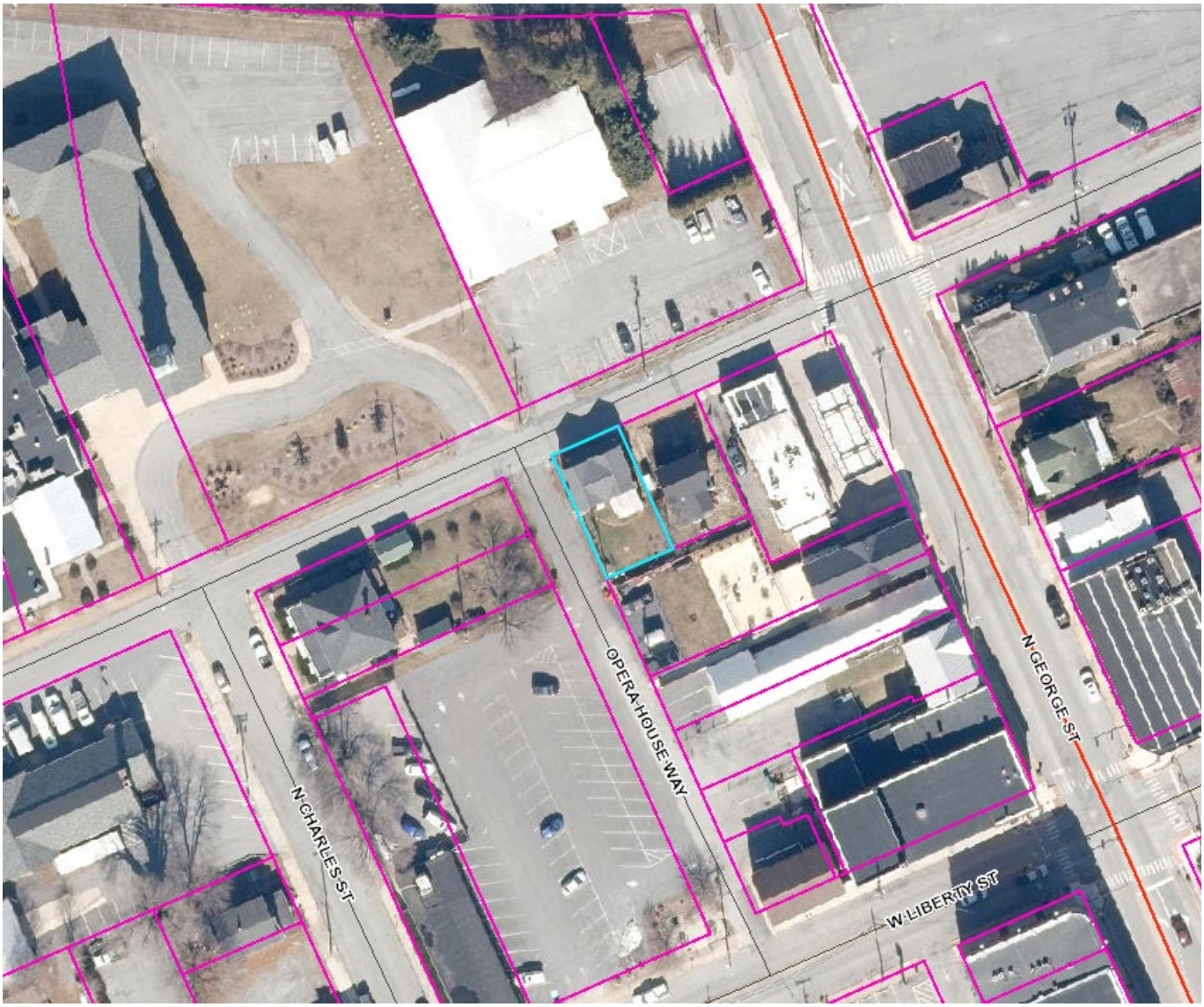
Public Hearing:
COA2023-11 - 111/113 W. North St. - Request for demolition of a duplex and construction of a new duplex

ATTACHMENTS:

- 1. Report.pdf
- 2. Application.pdf
- 3. Narrative.pdf
- 4. Staff Photos.pdf

Public Hearing – Certificate of Appropriateness
COA-2023-11 – 111/113 W. North St.

Date: For the August 14, 2023, Historic Landmarks Commission meeting
Applicant: David Leonard
Property Owner: Troy and Crystal Yoder
Report by: James Newman, City Planner, Zoning/Subdivision Administrator
Proposal: Certificate of Appropriateness for demolition of a duplex, and construction of a new structure for dwelling units.
Property Location: TD: 03 / Map: 2A / Pcl: 14
Current Zoning: Old Town Mixed Use Commercial (OT-MUC) and Historic Overlay District (HOD)



HISTORIC SURVEY BUILDING INFORMATION: Old Charles Town Historic District.
No. 147. 111-113 W. North Street. Duplex town house, two units. Gable front entries. Dry laid stone foundations, aluminum siding, four bays, 1/1 sash. Many evolutions. Circa 1870. One **contributing** building.

PROPOSAL

The demolition of the duplex structure at 111/113 W. North St. The applicant states that the cost to rehabilitate the structure to make it safe for living is prohibitively expensive. If the request is not approved, the structure may remain a vacant building subject to demolition by neglect.

One of the dwelling units was recently occupied, and the tenant hopes to be able to move back into the new structure when completed.

OWNERSHIP

Troy and Crystal Yoder purchased the property on 11/28/2022 from the estate of her mother. That estate is still listed as owner on the Jeferson County Geographic Information Systems website.

SELECT VIEWS

FRONT FAÇADE VIEW OF THE STRUCTURE



REAR VIEW



BASEMENT ENTRANCE (No interior connection to structure)



INTERIOR , FIRST-STORY



INTERIOR, SECOND STORY VIEW OF FLOOR (Rotten Boards)



HISTORIC DISTRICT REQUIREMENTS

From page 55 of the Design Review Standards:

> *Demolition is forever. Once a building is gone it takes away another piece of the City's character. Demolition of a historic building or resource that has most of its original design and features should be an action of last resort.*
>
> …
>
> *An application for a Certificate of Appropriateness must be submitted, reviewed and evaluated for approval or disapproval by the CTHLC before a demolition permit, whether for full demolition, partial or constructive removal, will be granted. The list below includes, but is not limited to, factors which will be considered in evaluating a request for a demolition:*

Review Criteria

1. *Whether or not the structure is of such old or distinctive design, texture, or scarce materials that it could not be reproduced or could be reproduced only with great difficulty and expense and, whether or not the structure is one of only a few remaining of that style or is particularly unique in its character.*

   The house dates from approx. 1870, and has been subject to many changes. There are approximately 50 structures in the City listed with a construction date of 'Circa 1870'. There is no feature which stands out as unique in style or character worthy of saving on its own. The structure has fallen into disrepair and there is no viable plan to save it.

2. *Whether or not the proposed demolition may adversely affect other historic buildings or the character of the historic district.*

   Demolition of the structure in a safe manner will not adversely impact adjacent historical buildings. Due to the buildings 'many evolutions', the impact to the character of the historic district should be minimal.

3. *The reason for demolishing the structure and whether or not alternatives exist.*

   Per the applicant:

   > *The defects include but are not limited to the dry laid stone foundations that are continuing to deteriorate from water penetrating through the stone, improper load point transfer from foundation to roof, excess sloping in the floor joists due to improper previous renovations and renovated additional structure on the back of the building is currently built directly on the dirt and the floor system is roofing. The cost to renovate the current structure is not economically feasible in relation to the rent that will be generated from the renovated structure making the project cost prohibitive in its current state.*

4. *Whether or not there has been a professional economic and structural feasibility study for rehabilitating or reusing the structure and if so, whether or not its findings support the proposed demolition.*

   The applicant states they have hired an engineering firm to do a structural analysis.

5. *Whether or not the structure is so significantly altered, so as to have irretrievably "lost" it's architectural and historical integrity. The fact that two significant historical styles may exist within a structure will not, in itself, constitute loss of architectural and historical integrity for the purposes of this paragraph.*

   The house is described as "*Duplex town house, two units. Gable front entries. Dry laid stone foundations, aluminum siding, four bays, 1/1 sash. Many evolutions. Circa 1870. One* ***contributing*** *building*". The current building has many non-historic elements: vinyl siding, vinyl window frames, cinder block chimney, and asphalt shingle roof. Due to its many evolutions, it no longer retains a single character or sense of place.

NEW CONSTRUCTION PROPOSAL

Construction of a new structure. Applicant is exploring the option of doing a duplex or more units (potentially four units):



DETAILS

Roof: Architectural asphalt shingle on an M-shaped roof.

Siding: The sides of the building will be clad in engineered wood, using 'LP Smart Siding'.

Doors: Prehung fiberglass door. Will be painted medium/royal blue.

Windows: Windows needed for egress will be 36 inches x 60 inches. Windows will be double hung. Shutters will be vinyl and blue color and use decorative black shutter hooks.

Lighting: Exterior lighting will be wall mounted via a lantern sconce.

Porch: Gabled roof portico with support rails along steps.

Driveway and Parking: Driveways shall be constructed at least 12 feet in width and of at least six (6) inches of compacted stone for a distance of at least twelve (12) feet beyond the right-of-way line. There is room in the rear yard to pave a driveway area for two vehicles side by side or four vehicles stacked in two pairs.

HISTORIC DISTRICT REQUIREMENTS

"*The dominant architectural styles expressed in the various Charles Town Districts are Federal, Greek Revival, Italianate, and Classical Revival, although the residential blocks of East Liberty Street, Mildred Street and the South Charles Town Historic District have a concentration of Foursquare and Bungalow style house.*

…

The Old Charles Town District reflects the earliest period with many structures from the late Colonial and Federal period with a large concentration from 1780-1830." – pg. 14, HLC Design Review Standards.

Review Items

1. **Setbacks**
   Front: Same as current (approximately 5 ft).
   Sides: Same as current (approx.. 4 ft on left/north-east, and 0 on right /south-west side)
   Rear: 20 ft.

   The structure location may be shifted slightly to allow for on-street parking on Opera House Way if the City is able to provide some portion of the right of way to be used as parking.

2. **Height**
   29 ft. 1 inch in height.

3. **Scale and massing**
   The replacement structure will have a 1,344 sq. ft. footprint. With a lot size of 2,592 sq. ft, the new structure will occupy 51.9% of the lot.

4. **Building materials and proportion of the following:** *window openings, door openings, porches, and roof pitches.*
   See *details* section above.

ORDINANCE REQUIREMENTS

Setbacks in the OT-MUC Zoning District are:

Front: 0 feet or Front Setbacks shall vary no more than 10% from the average Setbacks of the three Adjacent Properties to each side
Sides: 0 ft.
Rear: No requirement.

Height: Maximum height permitted is 55 ft./ 4 stories.

Fencing: Fences in a side or rear yard may be up to 6 ft. in height. Chain-link is not permitted as a fence material.

STAFF RECOMMENDATION

Demolition: Approval. The Commission should approve the demolition of the structure. The building contains rotten boards and support beams, has structural defects that affect its ability to safely carry a load, and the cost to rehabilitate the structure is beyond a reasonable expense for the applicant. The structure, while historic and contributing, is not of such a rear and undiluted character as to necessitate saving at all cost.

New Construction: Approval. The proposed structure will be a multi-tenant structure with a M-shaped roof, the same as what is there now. The parking area will be added to and improved. The new structure will have engineered wood siding, compared to the vinyl in place now. A new foundation will be put in place to make the basement into livable space, and the overall quality of construction will be an improvement over the existing structure.

COA Application No._____

RECEIVED
JUN 29 2023
BY:_____

CERTIFICATE OF APPROPRIATENESS APPLICATION

ZONING ORDINANCE SECTION 1322.13, HISTORIC OVERLAY DISTRICT
AND
ARTICLE 141 OF THE CHARLES TOWN CODIFIED ORDINANCE
AND
DESIGN REVIEW STANDARDS

All proposed activity must be approved by the Historic Landmarks Commission (HLC) via issuance of a Certificate of Appropriateness (COA).

Many of the activities for which a COA is required also requires building permit, which is a separate process from obtaining a COA.

If applying for the Façade Improvement Program, the "Addendum – Façade Improvement Program" will be required in addition to this application.

1. DATE June 9th, 2023

2. APPLICANT'S NAME* David Leonard

Address: 36 Bakerton Rd. Harpers Ferry, WV 25425

Telephone Number: (304) 671-4085 Fax Number (___)

Email Address: david.brickstreet@gmail.com

Relationship to Owner: ___Lessee ✓Contractor ___Architect ___Consultant ____Other: (explain)_____

3. PROPERTY OWNER'S NAME Troy and Crystal Yoder

Address: 507 East Race St Martinsburg, WV 25404

Telephone Number: (574) 238-6883 304-283-8771 Fax Number (___)

Email Address: troyyoder38@yahoo.com; crystal.craig32@yahoo.com

*Applicants include: Property owner(s), Engineer(s), Surveyor(s), or Consultant(s)

4. LEGAL DESCRIPTION OF THE SUBJECT PROPERTY (List all parcels that apply)

Property Address: 113W and 111W North St Charles Town, WV 25414

Tax Map # and Parcel(s): 03 2A001400000000

Deed Book and Page #: WB16/421

Zoning District: _____

5. DESCRIPTION OF FORMER USE(S) OF THE PROPERTY

The property was formerly a Duplex

6. DESCRIBE THE CURRENT OR PROPOSED USE OF THE SUBJECT PROPERTY

We would like to demolish the current structure and build a new building in its place. The structure will be able to accommodate 4 units instead of 2 based on an over/under design.

7. TYPE OF WORK:

A. _____ Exterior alteration or repairs.

B. ✓ New Construction: 1) ✓ Primary Structure; 2) ____ Garage; 3) ____ New Addition; 4) ____ Other;

C. ✓ Demolition: 1) ✓ Whole Structure; 2) ____ Part of Structure;

D. _____ Relocation of Structure

8. EXTERIOR ALTERATION OR REPAIR

A. Check all that apply for which approval of the proposed activity is requested:

____Architectural feature (decorative ornamentation)	____Metal trim	____Iron fences
____Material changes (wood, brick, metal, etc.)	____Windows - replacement, removal, elimination or new opening	____New construction
____Roof – Change in shape/profile	____Shutters	____Additions or alterations
____Skylights or dormers	____Door and transoms	____Signs
____Masonry - cleaning, tuckpointing, removal of masonry or other changes to the masonry	____Cut stone steps	____Solar panels
____Removal of historic markings and paintings	____Security Features	____Mothballing
____Wood cornices and concealed box gutters	____Porch or deck	____Demolition
____Wood trim	____Awnings and canopies	

B. List and describe in detail all work to be done for each item checked. Include the following materials when appropriate:

1) Sketches, photographs, specifications, manufacturer's illustrations or other description of proposed changes to the building's exterior. Detailed drawings are required for major changes in architectural features.
2) If material changes are proposed, please provide a description of them. The architect's specifications or brochures may suffice; however, the Commission may request samples of new materials.

C. SIGNS:

1) See page 6 of this application for more information.
2) Signage activities are regulated under Article 1324 (Signs) and Section 1322.13 (Historic Overlay District) of the City of Charles Town's Zoning Ordinance and by extension the Design Review Standards. **All permitted sign sizes, location of placement and additional sign standards are regulated by Article 1324 and shall meet those standards.** The HLC role is to review the sign for appropriateness within the Historic Overlay District.

D. NEW CONSTRUCTION: Describe the nature of the proposed project. Include the following materials when appropriate:

1) Site plan with measured distances.
2) Elevation drawings of each façade and specifications which clearly show the exterior appearance of the project.
3) Samples or other description of materials to be used.
4) Drawings or other description of site improvements such as fences, sidewalks, lighting, pavement, decks, etc.

E. DEMOLITION OF STRUCTURE

1) Describe the structure's condition and reason for demolition.
2) Additional criteria is found in the Design Review Standards, including the need to prove economic hardship.
3) Describe the proposed reuse of the site, including drawings of any proposed new structure or landscaping.

F. RELOCATION OF STRUCTURE

1) Explain what will be moved, why, and proposed changes.
2) If a building will be moved into a district from outside, include photographs.
3) Include a site plan of the proposed location in the district and describe any site features which will be altered or may be disturbed, including foundations, walls, vegetation, etc.

G. MOTHBALLING OF STRUCTURE

1) Describe how the structure will be secured from unwanted entry.
2) Describe measures to be taken to keep the weather and pest out.
3) If the property owner will not be in the state of West Virginia, designate a local contact.
4) If any door(s) or window(s) are to be boarded up, they must be painted to look like a door or window or decals that look like door and window must be adhered to the boards on the window or door.
5) Additional criteria is found in the Design Review Standards, including the need to prove economic hardship.
6) Describe how the property will be maintained so as to not become a code violation, such yard maintenance.

DESCRIPTION OF THE PROPOSED ACTIVITY:

We would like to be able to demolish the current building and build a new duplex unit with over/under in each unit that will accomodate 4 total rentals

APPLICANT CERTIFICATION

I certify that, to the best of my knowledge, the submitted information and statements are true and correct. I also certify that I have read the relevant provisions of the Charles Town Design Review Standards pertaining to this application, Section 1322.13, of the Zoning Ordinance and for a sign request, Article 1324 of the Zoning Ordinance.

Signature of Applicant

David Leonard, member Date 06/09/2023

Signature of Property Owner(s) (If different than Applicant)

Troy Yoder (Jun 28, 2023 15:36 EDT) Date Jun 28, 2023

Crystal yoder (Jun 28, 2023 18:24 EDT) Jun 28, 2023

Please submit an original completed petition to the following:

Zoning Administrator
City of Charles Town
101 E. Washington Street
Charles Town, WV 25414

Signs – Additional Information

ESTIMATED COST OF SIGN(S) (Excluding Labor & Installation):

SIGN CONTRACTOR:

Contractor License #: WV & City of Charles Town:

TYPE OF SIGN

Type of Sign	Check One	Type of Sign	Check One
Free Standing		Suspended	
Building Mounted		Awning	
Window Lettering		Other (List)	

Where on the property or building will the sign(s) be located?

SIGN MATERIAL:

SIGN DIMENSIONS:

Height	Width	Depth

WILL SIGN(S) BE LIGHTED? If yes, list the type of lighting to be used:

PLEASE PROVIDE PROOF OF INSURANCE (In case of sign damage) Insurance Company:

PROVIDE AN ILLUSTRATION OR PHOTOGRAPH OF THE PROPOSED SIGN(S)

FOR CITY USE ONLY

Application Number:_____ Date Application Received:_____

Zoning District: _____

Fee: $_____ Paid: $_____ Check No._____

Receipt No._____

Zoning Administrator Approval:_____ Date:_____

Historic Landmarks Commission Approval:_____Date:_____

Comments:_____

_____

_____

_____

_____

_____

Completed Certificate_of_Appropriateness_-_Final_Amended1-1 (1)

Final Audit Report 2023-06-28

Created:	2023-06-28
By:	David Leonard (lifestylesetup360@gmail.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAlHnM3LousCLQtri0V2OQGdxjL4Q3WwRX

"Completed Certificate_of_Appropriateness_-_Final_Amended1-1 (1)" History

Document created by David Leonard (lifestylesetup360@gmail.com)
2023-06-28 - 2:18:38 PM GMT

Document emailed to troyyoder38@yahoo.com for signature
2023-06-28 - 2:22:28 PM GMT

Email viewed by troyyoder38@yahoo.com
2023-06-28 - 7:16:41 PM GMT

Signer troyyoder38@yahoo.com entered name at signing as Troy Yoder
2023-06-28 - 7:36:24 PM GMT

Document e-signed by Troy Yoder (troyyoder38@yahoo.com)
Signature Date: 2023-06-28 - 7:36:26 PM GMT - Time Source: server

Document emailed to crystal.craig32@yahoo.com for signature
2023-06-28 - 7:36:27 PM GMT

Email viewed by crystal.craig32@yahoo.com
2023-06-28 - 10:05:38 PM GMT

Signer crystal.craig32@yahoo.com entered name at signing as Crystal yoder
2023-06-28 - 10:24:01 PM GMT

Document e-signed by Crystal yoder (crystal.craig32@yahoo.com)
Signature Date: 2023-06-28 - 10:24:03 PM GMT - Time Source: server

Agreement completed.
2023-06-28 - 10:24:03 PM GMT

Adobe Acrobat Sign

Certificate of Appropriateness Narrative

Brickstreet Homes, LLC has been building in Charles Town and Jefferson County for over 40 years. Brickstreet has completed multiple projects that have historical significance and understands the importance of maintaining architecturally historic design features.

Demolition

We are in the process of having a complete report from a structural engineer, based on our preliminary findings of structural defects that make the current structures uninhabitable. The defects include but are not limited to the dry laid stone foundations that are continuing to deteriorate from water penetrating through the stone, improper load point transfer from foundation to roof, excess sloping in the floor joists due to improper previous renovations and renovated additional structure on the back of the building is currently built directly on the dirt and the floor system is rooting. The cost to renovate the current structure is not economically feasible in relation to the rent that will be generated from the renovated structure making the project cost prohibitive in its current state. The goal is to continue to move the project forward to make it a habitable structure and return the dwelling to a contributing structure to the historic district. It is current state, the dwelling is an eye sore and needs to be dealt with.

The current dwellings have materials that are not period correct to include vinyl siding, vinyl windows, asphalt shingle roof, and cinder block chimney stacks.



In summary, the structure has been significantly altered from its original construction so much so that there is not much historically accurate to the extent that it no longer represents its historical character.

Best practices of deconstruction will be observed. This will include deconstruction of the dwelling and the salvation of materials that may be reusable to include the stone from the current foundation and any beams in the current structure that are sound and reusable.

Deconstruction will be conducted by Pentoney Brothers and will have minimal to no impact on traffic flow during demolition.

Construction

Architectural Elements of the current structure that define the period will be maintained such as the unique double gable duplex appearance in a colonial style.

Setbacks

The front, left, and right setbacks will be the same. The back setback will be roughly 20' The new structure will be roughly the same width at 32' as the current structure at 32'6" however we are asking to expand the length from 22'3" to 56' accommodate more density in the units.

Height

The current structure is roughly 22' tall. The proposed new structure will be 29'1" out of the ground

Scale and Massing

The lot size is 2592 sf and the new structure will be 1344 sf foot print, please see attached site plans for both existing structure and proposed structure.

The scale of the new structure will be bigger than the current.

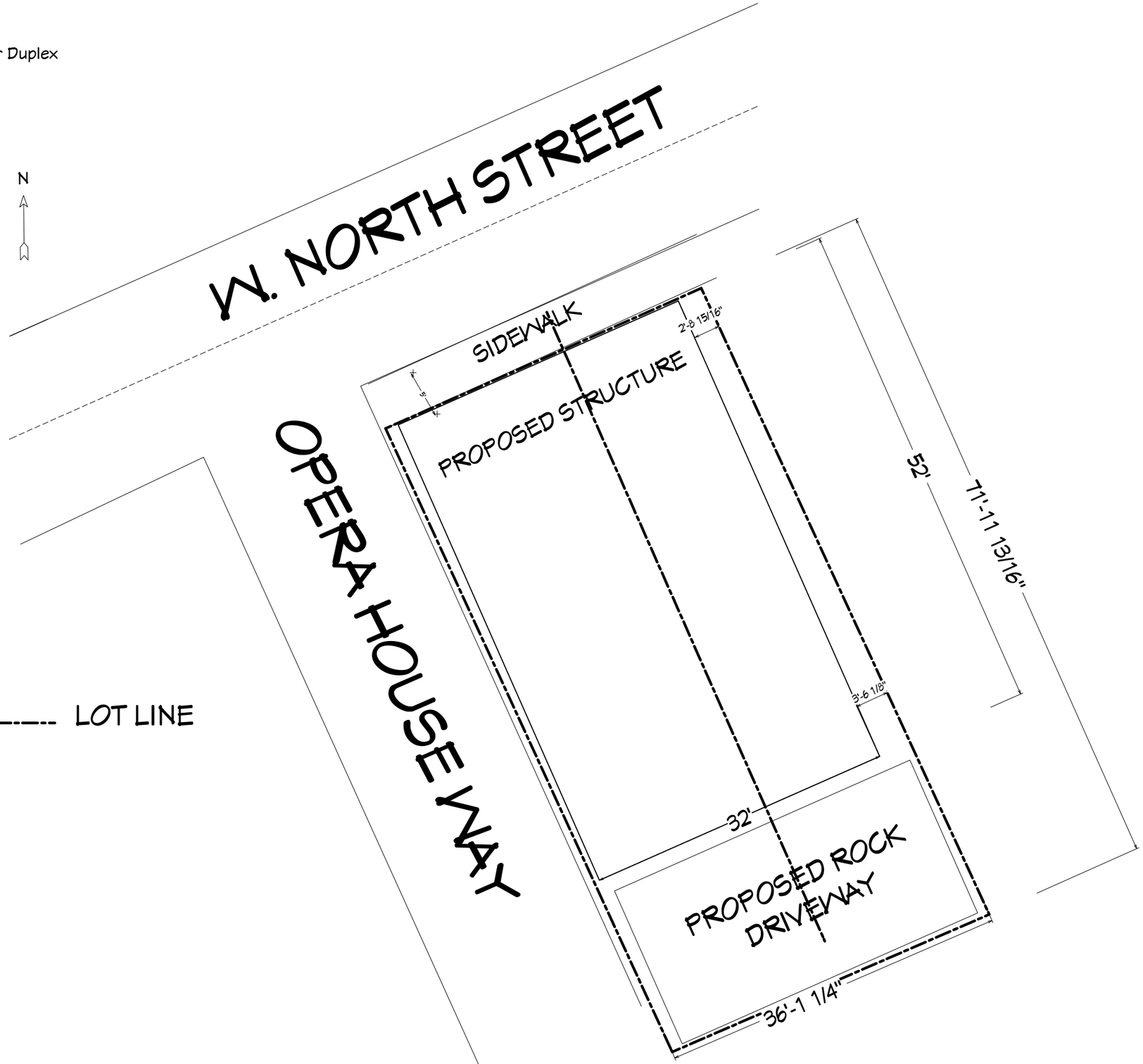
Building Materials

The new foundation will be a poured wall that will allow for a full height finished basement apartment that will be accessible from the front brick sidewalk below grade as shown in the rendering. The 1st and 2nd floors of the structure will be a 2 bed 2.5 bath unit. The roof pitch will be 6/12.

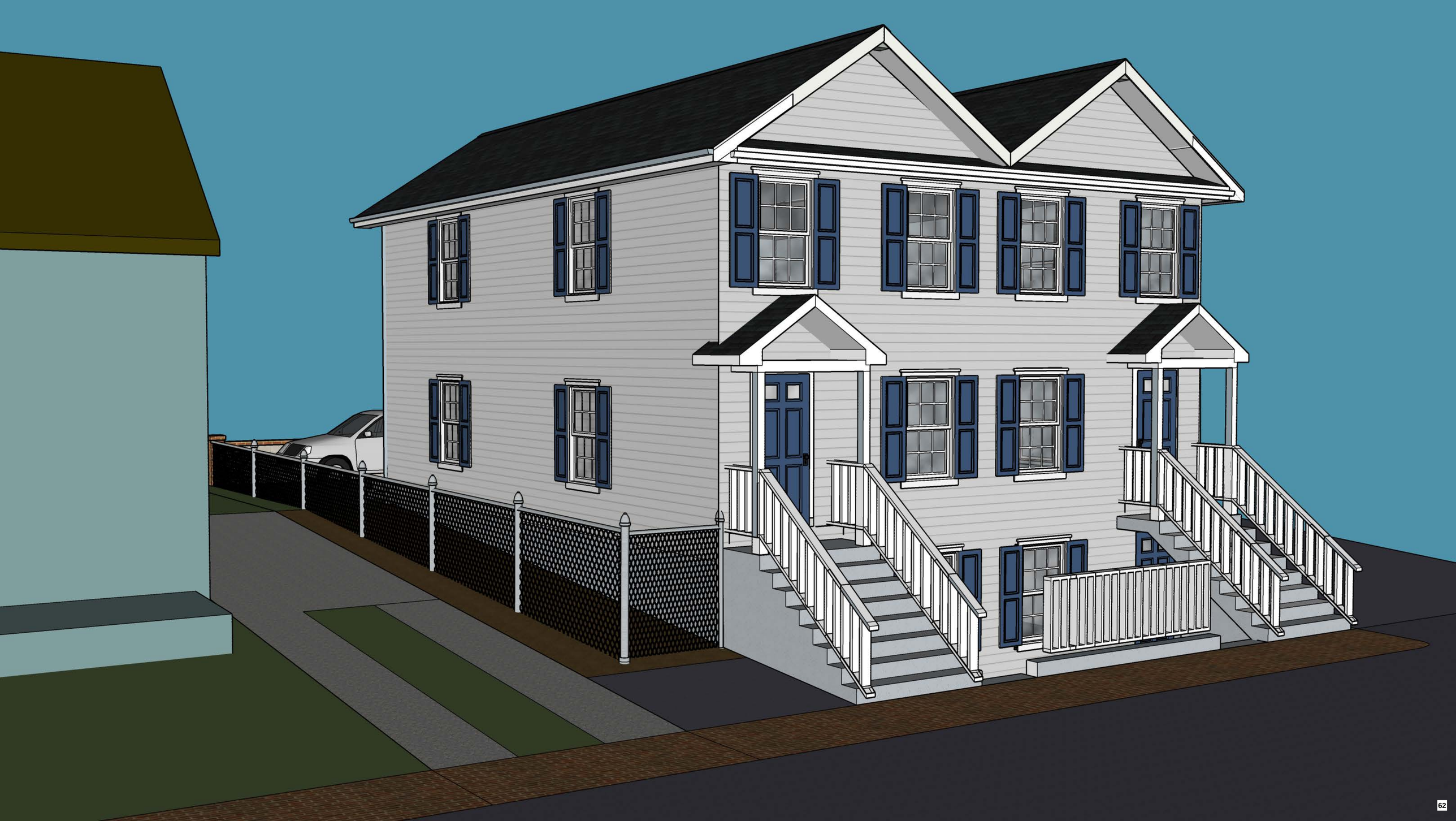
Existing Structure
111 & 113 W. North St

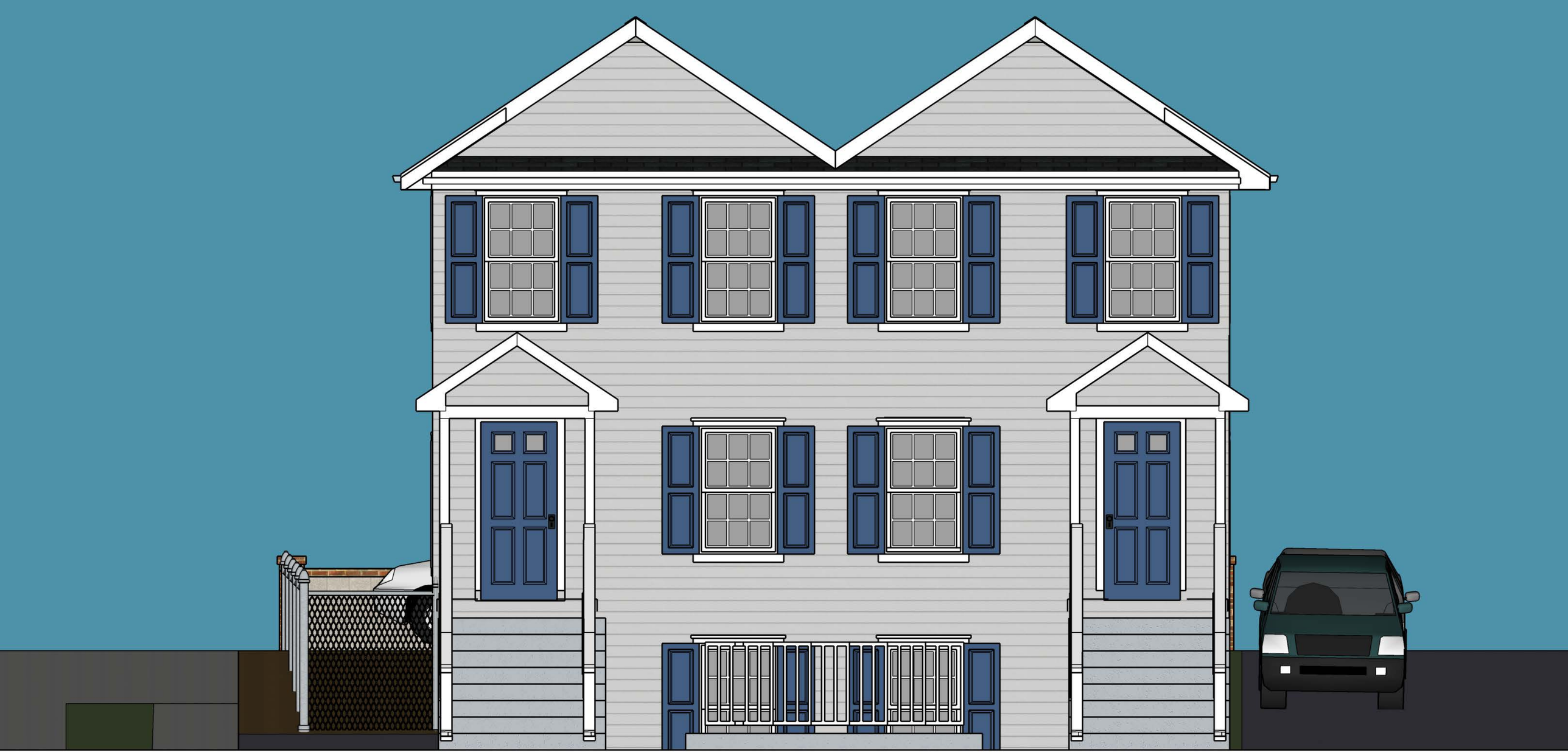


Proposed Site Plan Yoder Duplex
111 & 113 W. North St.



---------- LOT LINE



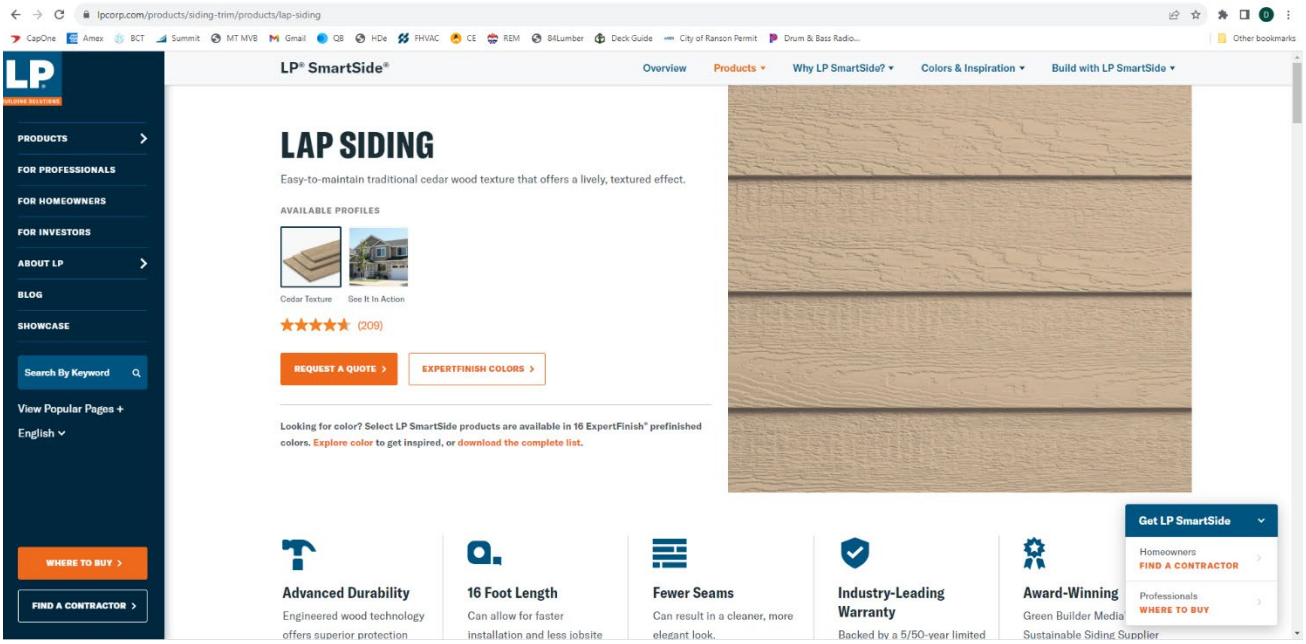








The materials used to finish the property will include, LP Smart siding painted Colonial White or similar per rendering.



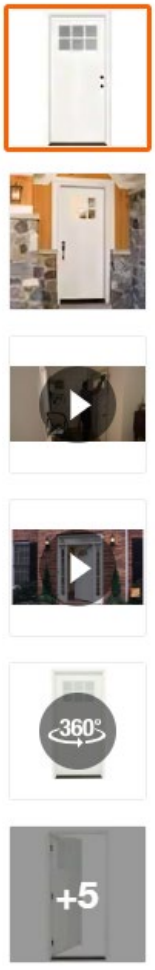
Window openings will have to meet current building code requirements to meet egress. 36”x60”

The door opening will be 36”x80” tall. The door below will be similar based on product availability. It will be painted a medium/royal blue as depicted in the rendering. The front doors are shown below.

Feather River Doors

36 in. x 80 in. 6 Lite Clear Craftsman Unfinished Smooth Left-Hand Inswing Fiberglass Prehung Front Door

★★★★☆ (274) Questions & Answers (162)





The back doors are shown below.

JELD-WEN

36 in. x 80 in. 9 Lite Primed Fiberglass Prehung Right-Hand Inswing Entry Door

★★★★☆ (74) Questions & Answers (25)

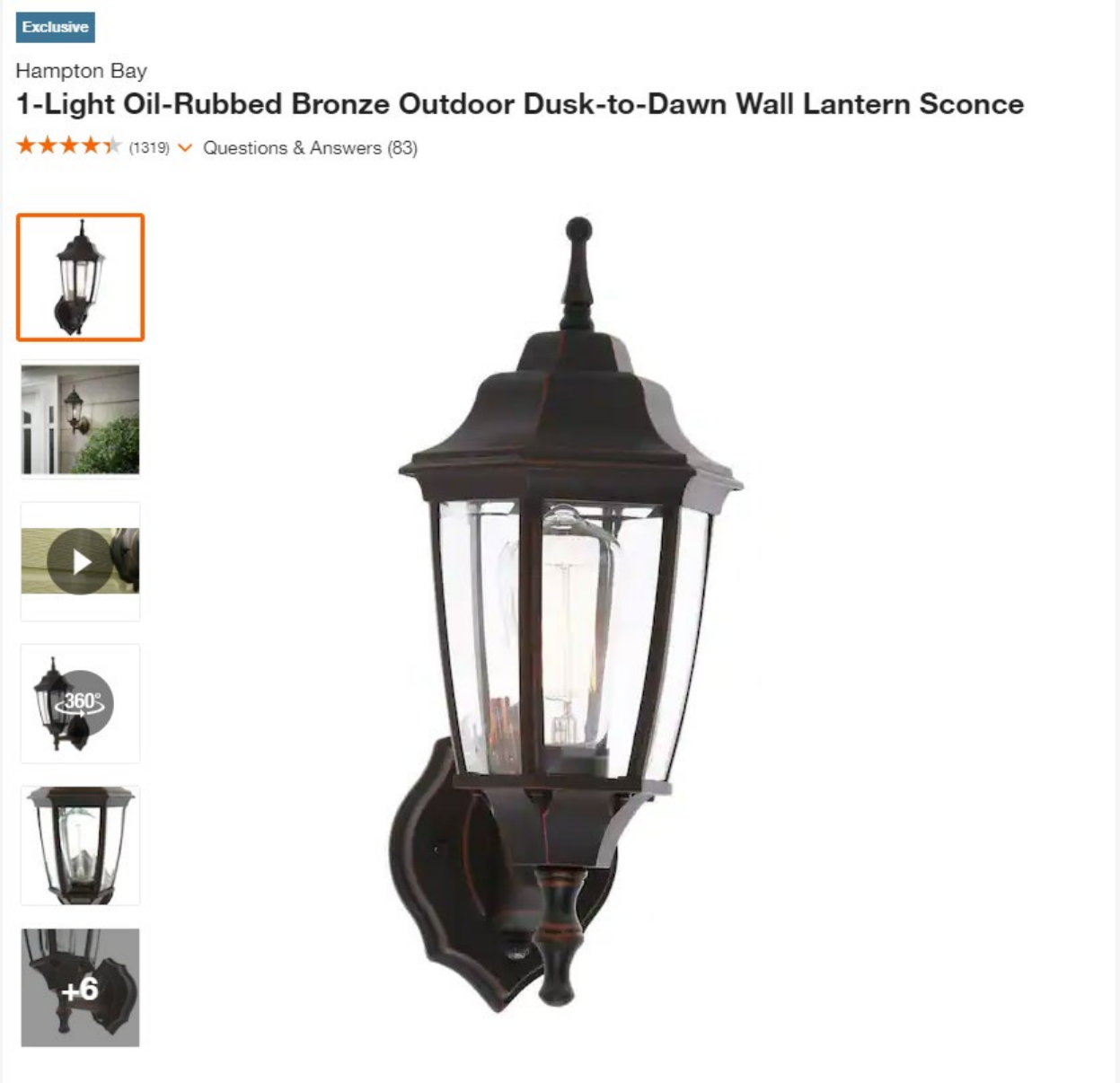









Light Fixtures will be similar to below



We would like to install shutters to maintain some of the period correct architecture painted the same color of the doors, and will include S hooks shown below

Builders Edge

14.75 in. x 63 in. Raised Panel Vinyl Exterior Shutters Pair in Classic Blue

★★★★½ (538) Questions & Answers (119)





Share Print

DELANEY HARDWARE

7 in. Black Exterior Shutter S Hooks (2-Pieces)

★★★★☆ (23) Questions & Answers (6)









There will be a covered porch over each front door

The Shingles will be architectural, asphalt color TBD.



Windows to be as depicted below for design purposes. Color TBD, probably white.

JELD-WEN

37.375 in. x 60 in. W-2500 Series White Painted Clad Wood Double Hung Window w/ Natural Interior and Screen

★★★★☆ (14) Questions & Answers (34)










During the demolition and construction phases, we will be careful to uninstall and reinstall the brick sidewalk to maintain the historical feature.


2023/07/10 01:58:58
75


2023/07/10 01:59:03
76


CertainTeed
OPEN OTHER END
OUVRIR L'AUTRE EXTRÉMITÉ
2023/07/10 01:59:37
77


CertainTeed
2023/07/10 01:59:45
78


HANDLE
WITH CARE!
MANIPULEZ
AVEC SOIN!
2023/07/10 02:00:30
79


CertainTeed
2023/07/10 02:01:01


2023/07/10 02:01:58


CertainTeed
2023/07/10 02:02:24
82


2023/07/10 02:02:36
83


Certainteed
Certainteed
2023/07/10 02:04:11
84


2023/07/10 02:04:15
85


2023/07/10 02:04:24
86


2023/07/10 02:04:29


CertainTeed
2023/07/10 02:05:05


2023/07/10 02:06:04
89


2023/07/10 02:08:05


2023/07/10 02:08:08
CRAFTSMAN


111
2023/07/10 02:08:39
92


2023/07/10 02:09:57


2023/07/10 02:10:15
94


2023/07/10 02:10:40
95


2023/07/10 02:10:50
96

Historic Landmarks Commission
101 East Washington Street
Charles Town, WV 25414

Meeting: 08/14/23
Department: Historic Landmarks Commission
Category: Information Only
Initiator:

SCHEDULED

AGENDA ITEM (ID #)

Commission Review - Happy Retreat

ATTACHMENTS:

- 1. Staff Report.pdf
- 2. Application.pdf
- 3. Plans.pdf

Informational Report

SLD2023-07

Date: For the August 14, 2023 Historic Landmarks Commission meeting

Applicant: Stromberg, Garrigan, and Associates Inc.

Property Owner: Parcel 3-5-6 is owned by Friends of Happy Retreat. Parcel 3-5-6.0001 is owned by the City of Charles Town Board of Parks and Recreation Commission.

Report by: James Newman, City Planner, Zoning/Subdivision Administrator.

Proposal: Construction of a parking lot.

Property Location: TD 3 / Map: 5 / Pcl: 6, 6.0001, located on Mordington Avenue.

Current Zoning: Old Town Residential.



PROJECT OVERVIEW

The property is 12.3 acres in size. The applicant has an existing cultural center on site, and is seeking to expand the parking lot for approximately 70 parking space.

CITY COUNCIL

The applicant gave a presentation to City Council on July 17, 2023. They explained the purpose of their project and provided details on grading the site, managing stormwater runoff, and landscaping. Council inquired about the safety of the stormwater ponds, cost of pervious vs. impervious surfacing material for the parking lot, and maintenance requirements.

PLANNING COMMISSION

The Commission first reviewed this item during a sketch-plan completeness check on June 26th. AT that meeting they deemed the application complete but asked that the item be brought before the Historic Landmarks Committee for informational purposes and feedback.

The Commission reviewed this item at a public hearing on July 24, 2023. They **approved** the sketch plan.

DEFINITION

A Cultural Center is defined as:

A use providing for display, performance, or enjoyment of heritage, history, or the arts. This use allows for the combination of the uses as follows, but is not limited to: museums, art performances, corporate retreats, art galleries, historic interpretation/reenactment, cultural activities, weddings, or interpretive sites, but does not include commercially-operated businesses.

ADJACENT USES AND ZONING

Adjacent uses comprise residential units, as well as the Jefferson County Board of Education offices. All adjacent residential units are zoned Old Town Residential; the Board of Education offices are zoned Old Town Mixed Use Commercial.

ZONING REVIEW

The property is zoned Old Town Residential (OTR). It is **not** located within the Historic Overlay District.

Setbacks

Front: 20 feet or Front Setbacks shall vary no more than 10% from the average Setbacks of the three Adjacent Properties to each side.
Sides: 10 ft.
Rear: 20 ft.

Density

Not applicable.

Lot coverage

Up to 70% of the lot may be developed. The applicant is developing (2.5 acres) 20% of the 12.3 acre site. The total impervious area of the parking lot is 26,400 sq. ft. (this figure does not include the entrance and exit drives, nor does it include the sidewalks).

Parking

There is no required parking for a cultural center. The applicant is proposing 70 parking spaces, including 4 handicap parking spaces.

Street Connections

There is an existing entrance onto Mordington Avenue. That existing entrance would stay as an entrance lane, and a new exit lane would be built, also connecting to Mordington Avenue.

Landscaping

In parking lots with over 25 spaces, there must be one tree shade tree planted per every 10 parking spaces, which the plan meet. Additionally, at least 5% of the parking to must be devoted to interior landscaping. Landscaping is not required to be shown in detail on a sketch plan. Interior landscape areas within the parking lot is currently shown as 6,580 square feet, totaling 24.9% of the overall parking lot area.

Buffers

A 6ft. tall opaque buffer is required between residential and non-residential uses. The plans show existing and proposed landscaping which will act as a buffer against lights from vehicles maneuvering within the parking lot.

Lighting

Lighting is not required to be shown on a sketch plan. Required lighting for parking lots must have acorn-style tops similar in design to what is used in the City's historic downtown.

Stormwater

Stormwater control facilities are not required to be shown on a sketch plan; they are required on a preliminary and final plan. The City's Engineering firm, Kimley-Horn, had no comments at this stage about stormwater control facilities.

COMPREHENSIVE PLAN

The 2040 Comprehensive Plan identifies this property as Public/Quasi-public land.

CONCLUSION

The applicant is seeking to expand the parking by adding a parking lot with approximately 70 parking spaces, and adding stormwater control ponds and sidewalks. No changes are proposed to the structure itself.

Sketch Plan Application No._____

RECEIVED
JUN 1 2023
BY:

SKETCH PLAN APPLICATION

SUBDIVISION AND LAND DEVELOPMENT ORDINANCE
ARTICLE 1332, SUBDIVISION AND LAND DEVELOPMENT APPLICATION & APPROVAL REQUIREMENTS

To assist the Subdivision Administrator in the review of a Sketch Plan Application, the Applicant must utilize this form to supply the City with the information prescribed under Section 1332.03 of the Charles Town S/LD Ordinance. The submission of this form, along with the prescribed information and required fees, shall serve as the Applicant's Sketch Plan Application as required by Ordinance Section 1332.03. Applicant is responsible to ensure the standards of Ordinance Section 1332.04, Sketch Plan Requirements, are met and provided herein is a checklist of the Sketch Plan requirements.

1. DATE June 1, 2023

2. APPLICATION TYPE*

☐ Zoning Use Permit, Special Exception Use and Sketch Plan requirements found in the Supplemental Regulations of the Zoning Ordinance
- Submit Three (3) 11" x 17" copies of the Sketch Plan shall be submitted and in Adobe PDF format

☑ Major S/LD Development
- Submit Three (3) 18" x 24" copies of the Sketch Plan shall be submitted and in Adobe PDF format

*There are two types of Sketch Plan submissions:

1. For Zoning Use Permit, Special Exception Use and Sketch Plan requirements found in the Supplemental Regulations of the Zoning Ordinance. Submission standards are found in Section 1332.04(D).
2. For a Sketch Plan for a Major S/LD application, submission standards are found in Section 1332.04(E)

3. APPLICANT'S NAME* Stromberg / Garrigan & Associates, Inc. (Michael Stromberg)

Address: 102 E Main Street, Suite 300, Somerset, PA 15501

Telephone Number (814) 443-1073 Fax Number (814) 444-0484

Email Address mstromberg@s-ga.com

4. PROPERTY OWNER'S NAME Friends of Happy Retreat, Inc. (Bill Senseney)

Address: P.O. Box 1427, Charles Town, WV 25414

Telephone Number (304) 724-7956 Fax Number ( )

Email Address billsenseney@hotmail.com

5. LEGAL DESCRIPTION OF THE SUBJECT PROPERTY (list all parcels that apply)

Property Address: 600 Mordington Avenue, Charles Town, WV

Tax Map # and Parcel: Tax Map #5, Parcel 6 (FOHR); Tax Map #5, Parcel 6.1 (CTBPRC)

Deed Book and Page #: DB 1158, Page 721 (FOHR); DB 1158, Page 718 (CTBPRC)

Property Area in Square Feet or Acres: 12.313 acres total (2.313 acres FOHR, 10 acres CTBPRC)

6. DESCRIPTION OF PROJECT AND PROPOSED USE(S) OF THE PROPERTY:

The Happy Retreat facility is a cultural heritage site and currently hosts occasional events on the property. The goal of this project is to create improved access and a permanent parking facility for the site so it is better equipped to hold events on a more frequent basis. No new building structures are proposed as a part of this project, only supporting infrastructure for vehicles and pedestrians, plus the associated earthwork and stormwater management needed for the improvements. The effort is led by Friends of Happy Retreat but will require approval from the Charles Town Board of Parks & Recreation Commissioners (CTBPRC), which owns 10 acres of the 12.3 acre facility.

7. DESCRIPTION OF THE EXISTING (OR FORMER) USE(S) OF THE PROPERTY AND CURRENT ZONING:

Current zoning is Old Town Residential. The site is a historic site and the former home of Charles Washington dating back to the 18th century. It was used as a home by a series of other owners in the intervening years. other owners in the intervening years. It is now owned by non-profit Friends of Happy Retreat, Inc. (Parcel 6) and the Charles Town Board of Park and Recreation Commisioners (Parcel 6.1) after a 2015 subdivision and conveyance of the property. It is now being preserved as a cultural heritage site.

*Applicants include: Property owner(s), Engineer(s), Surveyor(s), or Consultant(s)

8. ARE THERE ANY ANTICIPATED WAIVERS OR VARIANCES? IF YES, PROVIDE DETAILS.

No waivers/variances are anticipated at this time, however, final parking generation requirements for the future restored Happy Retreat facility are being reviewed. While this effort is being led by Friends of Happy Retreat, the CT Board of Parks & Rec will have to approve actions on their portions of the property. FOHR last met with CTBPRC on 4/27/2023 to review the plans for the project.

9. HAS THE PROPERTY BEEN THE SUBJECT OF ANY COURT ACTION?

☐ Yes (Please specify nature of all proceedings and current status and attach any documents showing court decisions, etc.)

☑ No

10. PARCEL HISTORY (List all pending or previously approved applications on the subject parcels inventoried above, including previous site plan applications if this application is a site plan amendment)

Application No.	Project Name and Phase	Status	Approval Date

11. INTERESTED PARTY ADDRESSES, FOR PUBLIC NOTICE (including across street)
(Interested parties are defined as adjacent properties within 100 feet).

Owner	# and Street	City, State, Zip
Charles Town Board of Parks & Rec Comm	(Evitts Run)	Charles Town, WV 25414
Board of Education	110 Mordington Avenue	Charles Town, WV 25414
Graves, Mark A & Amy E Collins Johns, Alice C	185 Mordington Avenue 187 Mordington Avenue	Charles Town, WV 25414
Glassford, David J Schottler, Robert J III & Sarah L Whitacre	144 Blakeley Place 145 Blakeley Place	Charles Town, WV 25414
Wilt, Angela L & David T Roll, Bethanny M	611 Mordington Avenue 621 Mordington Avenue	Charles Town, WV 25414
Kay, Marcella	620 Mordington Avenue	Charles Town, WV 25414
Thai Hung Viet	6602 Patrick Ct	Centreville, VA 20120
Murphy, Sean B & Candice D Obianwu, Anthony O	131 Springdale Drive 141 Springdale Drive	Charles Town, WV 25414
Solomon, Diana L Mayfield, Jennifer W & Mitchell D.	151 Springdale Drive 161 Springdale Drive	Charles Town, WV 25414

APPLICANT CERTIFICATION

I certify that, to the best of my knowledge, the submitted information and statements are true and correct. I also certify that I have received and read Section 1332.02 of the Charles Town S/LD Ordinance and relevant provisions of the Charles Town City Code.

Signature of Applicant

Michael Stromberg Date 6/1/2023

Signature of Property Owner (If different than Applicant)

William Cadney Date 6/1/2023

PRESIDENT
FRIENDS OF
HAPPY RETREAT

Please submit an original completed Application and specified number of Site Plan copies to the following:

Subdivision Administrator
City of Charles Town
101 E. Washington Street
Charles Town, WV 25414

FOR CITY USE ONLY

Application Number:_____ Date Application Received:_____

Fee: $_____ Paid:$_____ Check No._____

Receipt No._____

Subdivision Administrator Approval:_____ Date:_____

Planning Commission Approval:_____ Date:_____

Comments:_____

_____

_____

_____

_____

_____

CHARLES TOWN, WEST VIRGINIA
Department of Community Development
Division of Planning and Zoning

101 East Washington Street, P.O. Box 14
Charles Town, West Virginia 25414

Phone: (304) 725-2311 Fax (304) 725-1014

File Number: _____
Staff Initials: _____
Fees Paid: _____

https://goo.gl/KGzDMZ

Sketch Plan Review Checklist
Amended 2017 Subdivsion Ordinance

(please check one) ✓ **Major S/LD Application** or
_____ **Zoning Use Permit, Special Exception Use, or Sketch Plan (requirements found in the Supplemental Regulations of the Zoning Ordinance)**

Project Name: Happy Retreat Parking Lot & Circulation Project

Property Owner Information

Property Owner:	Friends of Happy Retreat, Inc.				
Mailing Address:	P.O. Box 1427				
City:	Charles Town	State:	WV	Zip Code:	25414
Phone Number:	304-724-7956	Email:	billsenseney@hotmail.com		
Signature:	Walter Washington PRESIDENT			Date:	6/1/2023

Applicant's Registered Engineer or Surveyor or Design Consultant

Name:	Stromberg / Garrigan & Associates, Inc.				
Mailing Address:	102 E Main Street, Suite 300				
City:	Somerset	State:	PA	Zip Code:	15501
Phone Number:	757-228-1962	Email:	mstromberg@s-ga.com		

Physical Property Details

Physical Address:	600 Mordington Avenue				
City:	Charles Town	State:	WV	Zip Code:	25414
Tax District:		Map No:	5	Parcel No:	6 & 6.1
Parcel Size:	12.313 total acres	Deed Book:	1158	Page No:	718 & 721

Zoning of Subject Property			Is the Project to Be:	Is Property In:
Urban Reserve (UR)	Residential Medium-High Density (R-15)	Neighborhood Commercial (NC)	Planned Unit Development (PUD)	Historic Overlay District (HOD)
General Commercial (GC)	Old Town Residential (OT-R)		No	Floodplain Overlay District (FOD)
Old Town Mixed Use Commercial (OT-MUC)	Neighborhood Residential (NR)			

City Use Only	1st Review	2nd Review	3rd Review	4th Review
Submittal Date				
Zoning Administrator				
City Planner				
GIS/Addressing				
Return Date				

Conditions of Approval (Attach Additional Comments As Needed)

Instructions

1. This checklist is provided as a quick reference guide only. The Consultant/Developer is responsible for reading the regulations and fully complying with all the requirements. All references to the Subdivision Ordinance and Zoning Ordinance are cited for informational purposes only.

2. The checklist shall be completed by the Engineer/Surveyor or Design Consultant and attached to the Sketch Plan review submission.

Requried Submittal Information

_____ 1 Check for Applciation Fees (check to be delivered separately)
✓ 1 Completed Application and Checklist (Signed by owner)
✓ 3 Sets of Sketch Plans and Adobe PDF Format

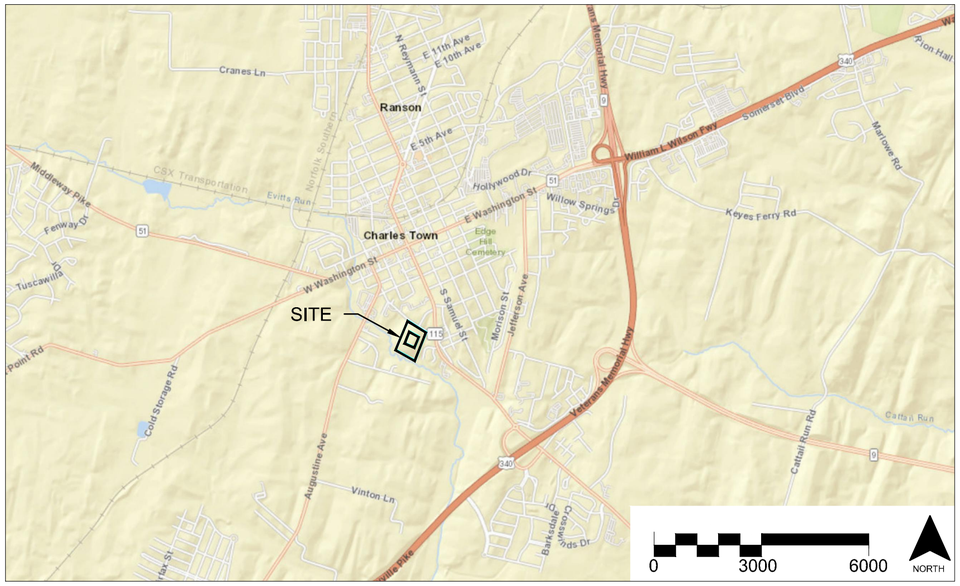
Sub-Section	Ordinance Requirements: (See instructions on page 2)	Engineer /Surveyor	1st Review	2nd Review	3rd Review	4th Review
	SUBDIVISION ORDINANCE **Section 1332.04, Sketch Plan Requirements**					
A	**THERE ARE TWO TYPES OF SKETCH PLAN SUBMISSIONS:** **Sections in Red and Blue are depict the different types.**					
A1 and D	For: • **Zoning Use Permit** • **Special Exception Use** • **Sketch Plan requirements found in the Supplemental Regulations of the Zoning Ordinance** The following information shall be provided for Sketch Plan review:					
D1	Three (3) 11" x 17" copies of the Sketch Plan shall be submitted and in Adobe PDF format.					
D2	The Sketch Plan shall be drawn to a 1"=50' scale					
D2	The Sketch Plan must illustrate the following elements in such a way that the Subdivision Administrator or authorized designee can determine if the proposed Subdivision or Land Development meets the criteria of this Ordinance, **as applicable:**					
D2a	Existing conditions, including boundary lines of the property					
D2b	A land use plan, showing the location, arrangement and approximate boundaries of all proposed land uses					
D2c	Vicinity map, north arrow, scale (written and graphic) and date					
D2d	Name of proposed project or other identifying title and date plan was prepared. Name and address of the Engineer, Surveyor, Architect, Landscape Architect, Land Planner or Property Owner who prepared the plan					
D2e	Current zoning and total area of the property					
D2f	Maximum and proposed density					
D2g	Available utilities					
D2h	All existing sanitary sewer facilities and combined sewer facilities					
D2i	Depict location or statement of proposed water and sewer supply and other utility improvements					
D2j	Existing covenants					
D2k	General layout of any proposed number of Lots, average Lot sizes and any proposed commercial uses, including any associated parking. Include proposed height of structures					
D2l	Statement of total acreage of the tract being subdivided or developed					
D2m	Location of proposed Street layout, including connections to adjoining streets or vacant lots					
D2n	The location of sidewalks, trails and crosswalks					
D2o	Proposed open space and/or recreation areas, including notes on the plan describing the proposed use, activity area and/or improvement					
D2p	Any other information requested by the Subdivision Administrator in order for the Subdivision Administrator to make an accurate determination.					
A2 and E	For a **Major S/LD Application**. The following information shall be provided for Sketch Plan review:					
E1	Three (3) 18" x 24" copies of the Sketch Plan shall be submitted and in Adobe PDF format.	✓				
E2	The Sketch Plan shall be drawn to a 1"=50' scale	✓				
E2	The Sketch Plan must illustrate the following elements in such a way that the Subdivision Administrator or authorized designee can determine if the proposed Subdivision or Land Development meets the criteria of this Ordinance:					
E2a	Existing conditions, including boundary lines of the property	✓				
E2b	A land use plan, showing the location, arrangement and approximate boundaries of all proposed land uses	✓				

Review Key	
✓	Ok
O	Incomplete
N/A	Not Applicable
X	Unacceptable

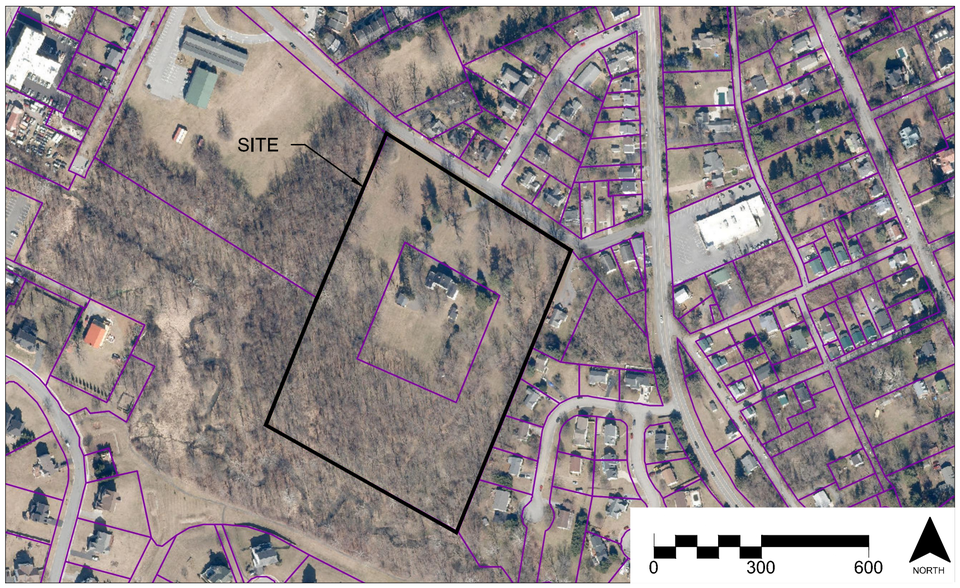
	Ordinance Requirements: (See instructions on page 2)	Engineer /Surveyor	1st Review	2nd Review	3rd Review	4th Review	Review Key	
							✓	Ok
							O	Incomplete
							N/A	Not Applicable
							X	Unacceptable
E2c	Vicinity Map, North arrow, scale (written and graphic) and date	✓						
E2d	Names of the abutting owners, adjoining lot lines and structures on abutting lots within 100 feet of the property	✓						
E2e	Title of the proposed project; the date, month and year the plan was prepared or revised; the name of the applicant(s), owner(s), and contract owner(s) and the name and address of the Engineer, Surveyor, Architect, Landscape Architect, or Land Planner who prepared the plan, including firm name	✓						
E2f	Current zoning and total area of the property	✓						
E2g	Maximum and proposed density based on the Net Buildable Land Area	N/A						
E2h	Available utilities	✓						
E2i	All existing sanitary sewer facilities and combined sewer facilities	✓						
E2j	Depict location or statement of proposed water and sewer supply and other utility improvements	✓						
E2k	Existing covenants	✓						
E2l	General layout of any proposed number of Lots, average Lot sizes and any proposed commercial uses, including any associated parking. Include proposed height of structures	N/A						
E2m	Statement of total acreage of the tract being subdivided or developed, including the Net Buildable Land Area	N/A						
E2n	The approximate acreage in common open space, in each use and housing type and in roads, streets or rights-of-way for the total development	N/A						
E2o	The proposed number of dwelling units of each type in each in the total development	N/A						
E2p	Location of proposed Street layout, including connections to adjoining streets or vacant lots	✓						
E2q	The location of sidewalks, trails and crosswalks, as may be applicable	✓						
E2r	Proposed open space and/or recreation areas, including notes on the plan describing the proposed use, activity area and/or improvement. The amount, approximate boundaries and location of common open space, with the percentage of the total acreage of the site to be placed in common open space	N/A						
E2s	The location of environmental sensitive land to be included in common open space	N/A						
E2t	Notes indicating any modifications, waivers, variances, special exceptions and/or conditional uses that are required	✓						
E2u	The location and extent of proposed buffers	✓						
E2v	The proposed location, arrangement, and right-of-way widths of roads and streets, including roads and streets providing access to adjoining parcels. The location and arrangement of street entrances, driveways and parking areas	N/A						
E2w	Calculations describing all proposed bonus factors with the location of and specifications for bonus improvements, when proposed	N/A						
E2x	Any other information requested by the Subdivision Administrator in order for the Subdivision Administrator to make an accurate determination	N/A						
Sub-Section	**SUBDIVISION ORDINANCE Section 1333.01, General Site Planning and Design Specifications**							
D1d	There is **no** requirement that a Sketch Plan or Preliminary Plat show phasing.							

HAPPY RETREAT PARKING LOT & CIRCULATION PROJECT

JULY 2023
600 MORDINGTON AVENUE
CHARLES TOWN, WV 25414



VICINITY MAP
SCALE: 1"=3000'



SITE LOCATION (2022 AERIAL)
SCALE:1"=300'

SKETCH PLAN SUBMISSION (NOT FOR CONSTRUCTION)

SITE INFORMATION:

Current Zoning	OT-R Old Town Residential
Total Area of the Property	12.313 Acres
Total Acreage of the Project/Tract	2.5 Acres

APPLICANT:

S/G/A LANDSCAPE ARCHITECTURE URBAN DESIGN
STROMBERG/GARRIGAN & ASSOCIATES

Stromberg/Garrigan & Associates
Suite 300
102 E. Main Street
Somerset, PA. 15501
(814) 443-1073

OWNER:

Friends of Happy Retreat
P.O. Box 1427
Charles Town, WV 25414

CONSULTANT INFORMATION:

LANDSCAPE ARCHITECT/SITE DEVELOPMENT/LAND PLANNING:

S/G/A LANDSCAPE ARCHITECTURE URBAN DESIGN
STROMBERG/GARRIGAN & ASSOCIATES

Stromberg/Garrigan & Associates
Suite 300
102 E. Main Street
Somerset, PA. 15501
(814) 443-1073

SURVEYOR:

THRASHER

The Thrasher Group, Inc.
600 White Oaks Blvd
P.O. Box 940
Bridgeport, WV 26330
(304) 624-4108

INDEX

Sheet Number	Sheet Title
SK1-00	Cover Sheet
SK2-00	Existing Conditions
SK3-00	Site Improvement Plan
SK4-00	Planting Plan

DRAWING PREPARED BY:
STROMBERG/GARRIGAN & ASSOCIATES, INC.
102E MAIN STREET, SUITE 300
SOMERSET, PA 1550

NAME: *MICHAEL STROMBERG*

DATE: *06/16/2023*

S/G/A
STROMBERG/GARRIGAN & ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE & URBAN DESIGN
102 E. MAIN STREET, SOMERSET, PA. 15501
P. 814.443.1073 F. 814.444.0484 WWW.S-GA.COM

PROJECT TITLE:

HAPPY RETREAT PARKING LOT & CIRCULATION

PROJECT ADDRESS:

600 MORDINGTON AVE
CHARLES TOWN, WV 25414

OWNER:

Friends of Happy Retreat
P.O. Box 1427
Charles Town, WV 25414

STAMP:

REVISIONS:

NO.	DATE	REMARKS

NOTE: DO NOT SCALE FROM DRAWINGS. VERIFY ALL DIMENSIONS ON SITE.

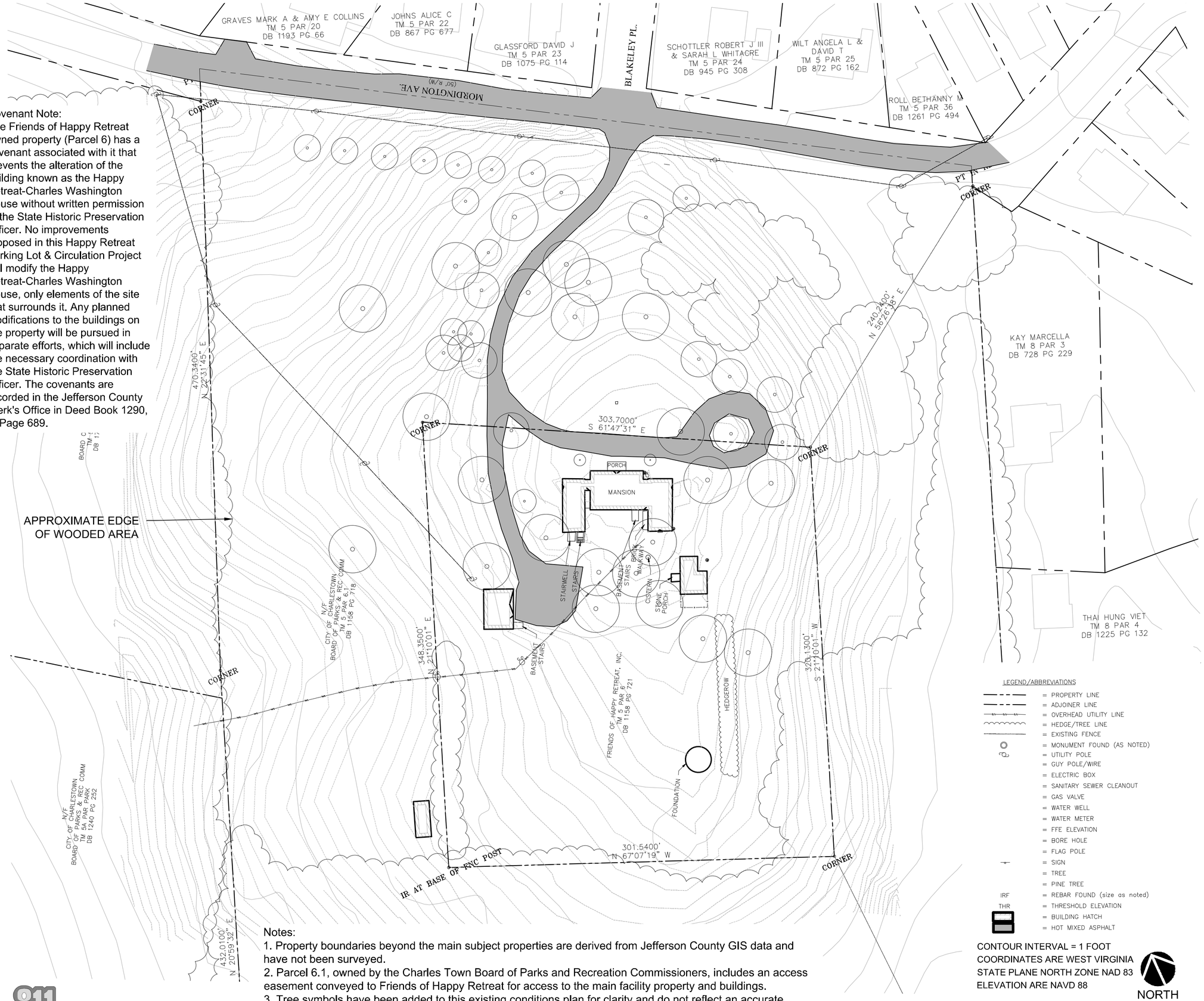
DRAWN BY: FH/HF
CHECKED BY: MS
JOB #: 22012
DATE: 07/19/2023
SCALE: AS SHOWN

SHEET TITLE:

COVER SHEET

SK1-00

Covenant Note:
The Friends of Happy Retreat owned property (Parcel 6) has a covenant associated with it that prevents the alteration of the building known as the Happy Retreat-Charles Washington House without written permission of the State Historic Preservation Officer. No improvements proposed in this Happy Retreat Parking Lot & Circulation Project will modify the Happy Retreat-Charles Washington House, only elements of the site that surrounds it. Any planned modifications to the buildings on the property will be pursued in separate efforts, which will include the necessary coordination with the State Historic Preservation Officer. The covenants are recorded in the Jefferson County Clerk's Office in Deed Book 1290, at Page 689.



Notes:
1. Property boundaries beyond the main subject properties are derived from Jefferson County GIS data and have not been surveyed.
2. Parcel 6.1, owned by the Charles Town Board of Parks and Recreation Commissioners, includes an access easement conveyed to Friends of Happy Retreat for access to the main facility property and buildings.
3. Tree symbols have been added to this existing conditions plan for clarity and do not reflect an accurate depiction of the extents of tree canopies.

LEGEND/ABBREVIATIONS

- = PROPERTY LINE
- = ADJOINER LINE
- = OVERHEAD UTILITY LINE
- = HEDGE/TREE LINE
- = EXISTING FENCE
- = MONUMENT FOUND (AS NOTED)
- = UTILITY POLE
- = GUY POLE/WIRE
- = ELECTRIC BOX
- = SANITARY SEWER CLEANOUT
- = GAS VALVE
- = WATER WELL
- = WATER METER
- = FFE ELEVATION
- = BORE HOLE
- = FLAG POLE
- = SIGN
- = TREE
- = PINE TREE
- IRF = REBAR FOUND (size as noted)
- THR = THRESHOLD ELEVATION
- = BUILDING HATCH
- = HOT MIXED ASPHALT

CONTOUR INTERVAL = 1 FOOT
COORDINATES ARE WEST VIRGINIA STATE PLANE NORTH ZONE NAD 83
ELEVATION ARE NAVD 88

NORTH

50 0 50 100
SCALE: 1" = 50'-0"

811 Know what's below Call before you dig
CALL BEFORE YOU DIG IN WEST VIRGINIA 1-800-245-4848

SKETCH PLAN SUBMISSION (NOT FOR CONSTRUCTION)

NOTE: The base plan is derived from a survey generated by The Thrasher Group, Inc., Surveying dated 1/2023.

S/G/A
STROMBERG/GARRIGAN & ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE & URBAN DESIGN
102 E. MAIN STREET, SOMERSET, PA. 15501
P. 814.443.1073 F. 814.444.0484 WWW.S-GA.COM

PROJECT TITLE:

HAPPY RETREAT PARKING LOT & CIRCULATION

PROJECT ADDRESS:

600 MORDINGTON AVE
CHARLES TOWN, WV 25414

OWNER:

Friends of Happy Retreat
P.O. Box 1427
Charles Town, WV 25414

SURVEYOR:

THRASHER
600 WHITE OAKS BLVD. P.O. BOX 940
BRIDGEPORT WV 26330
www.thrashereng.com
PHONE
(304) 624-4108
FAX
(304) 624-7831

STAMP:

REVISIONS:

NO.	DATE	REMARKS

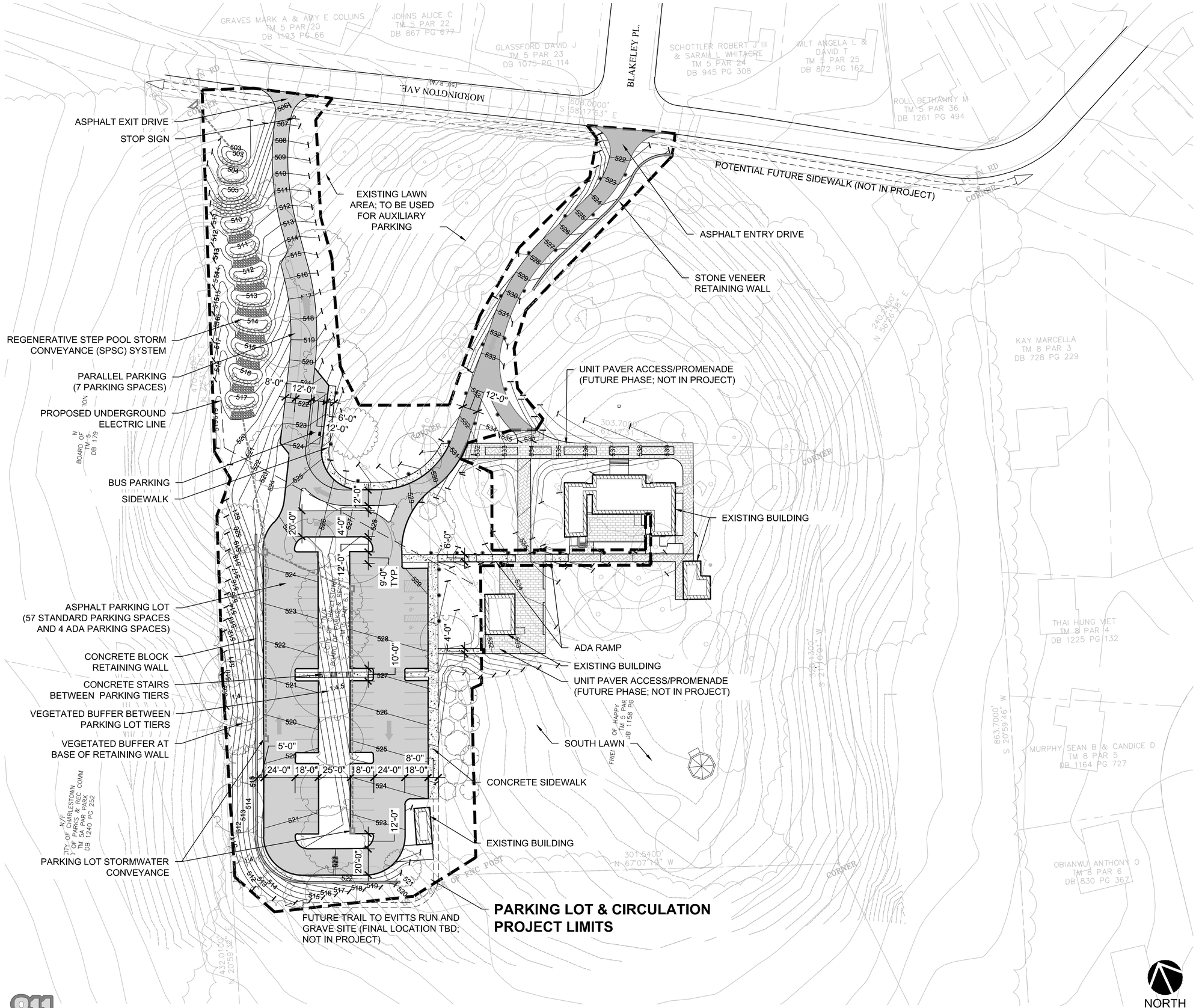
NOTE: DO NOT SCALE FROM DRAWINGS. VERIFY ALL DIMENSIONS ON SITE.

DRAWN BY: FH/HF
CHECKED BY: MS
JOB #: 22012
DATE: 05/31/2023
SCALE: AS SHOWN

SHEET TITLE:

EXISTING CONDITIONS

SK2-00



CALL BEFORE YOU DIG IN WEST VIRGINIA 1-800-245-4848
Know what's below Call before you dig

SKETCH PLAN SUBMISSION (NOT FOR CONSTRUCTION)

NOTE: The base plan is derived from a survey generated by The Thrasher Group, Inc., Surveying dated 1/2023.

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PROJECT TITLE:

HAPPY RETREAT PARKING LOT & CIRCULATION

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600 MORDINGTON AVE
CHARLES TOWN, WV 25414

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Friends of Happy Retreat
P.O. Box 1427
Charles Town, WV 25414

STAMP:

REVISIONS:

NO.	DATE	REMARKS

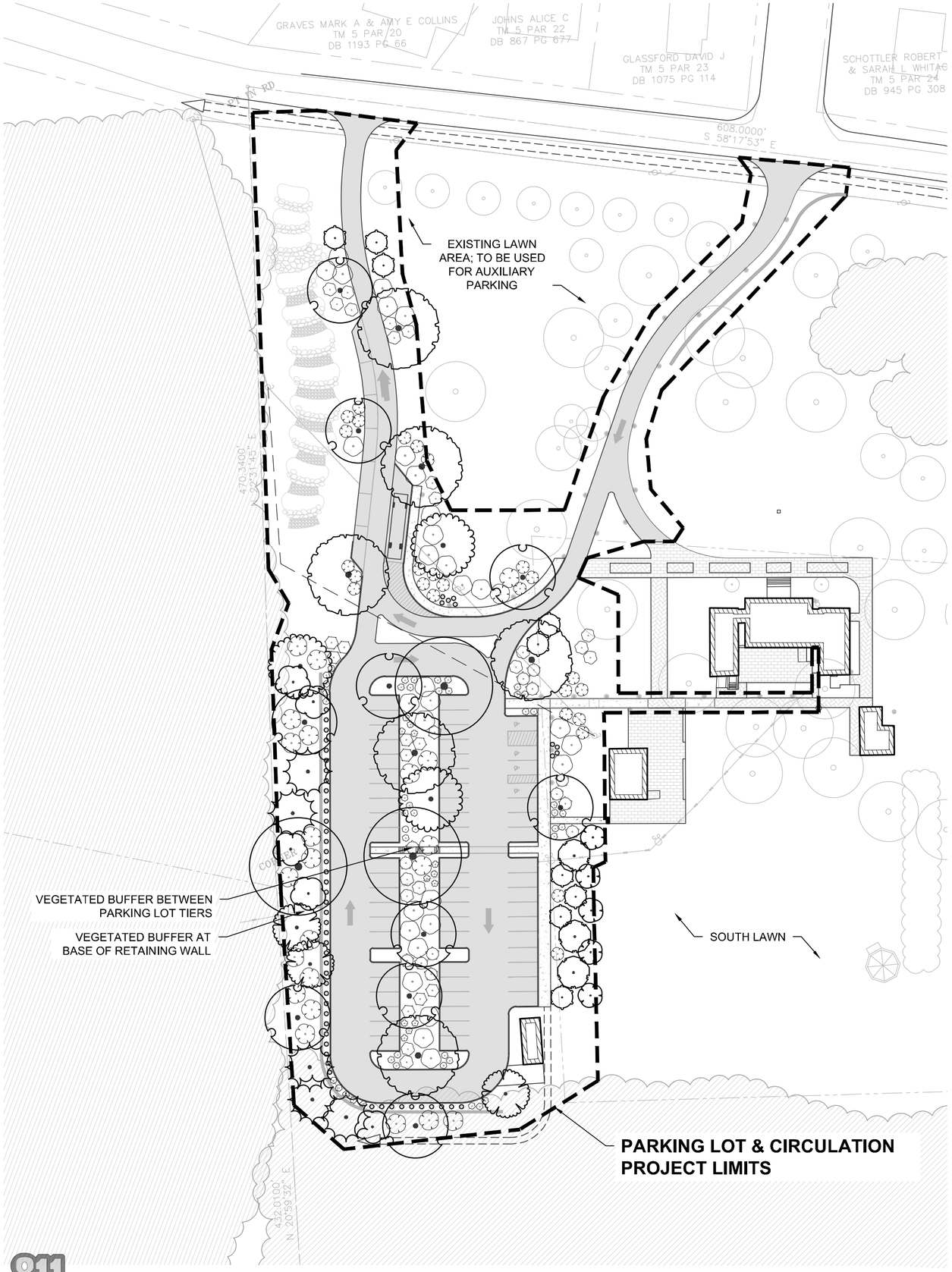
NOTE: DO NOT SCALE FROM DRAWINGS. VERIFY ALL DIMENSIONS ON SITE.

DRAWN BY: FH/HF
CHECKED BY: MS
JOB #: 22012
DATE: 07/19/2023
SCALE: AS SHOWN

SHEET TITLE:

SITE IMPROVEMENT PLAN

SK3-00



PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE
	CG	3	CARYA GLABRA / PIGNUT HICKORY	2" CAL.
	CF	5	CORNUS FLORIDA / FLOWERING DOGWOOD	1" CAL.
	HV	5	HAMAMELIS VIRGINIANA / COMMON WITCH HAZEL	10 GAL.
	IT	9	ILEX MONTANA / MOUNTAIN HOLLY	7 GAL.
	IO	3	ILEX OPACA / AMERICAN HOLLY	10 GAL.
	PS	5	PINUS STROBUS / WHITE PINE	15 GAL.
	QA	3	QUERCUS ALBA / WHITE OAK	3" CAL.
	QC	3	QUERCUS COCCINEA / SCARLET OAK	2" CAL.
	QM	10	QUERCUS MONTANA / CHESTNUT OAK	2" CAL.
	QR	6	QUERCUS RUBRA / RED OAK	2" CAL.

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	SPA
	CAL SWE	6	CALYCANTHUS FLORIDUS / SWEETSHRUB	---	96" c
	COR KLS	61	CORNUS SERICEA 'KELSEYI' / KELSEY'S DWARF RED TWIG DOGWOOD	---	36" c
	FA	47	FOTHERGILLA GARDENII 'MT. AIRY' / MT. AIRY DWARF WITCHALDER	---	48" c
	HQ	15	HYDRANGEA QUERCIFOLIA / OAKLEAF HYDRANGEA	---	96" c
	KL	11	KALMIA LATIFOLIA / MOUNTAIN LAUREL	---	96" c
	RC	27	RHODODENDRON CATAWBIENSE / CATAWBA RHODODENDRON	---	96" c
	RM	21	RHODODENDRON MAXIMUM / ROSEBAY RHODODENDRON	---	144"
	VP	12	VACCINIUM PALLIDUM / BLUEBERRY	---	48" c
	VD	17	VIBURNUM DENTATUM / VIBURNUM	---	96" c
	VB	31	VIBURNUM PRUNIFOLIUM / BLACKHAW VIBURNUM	---	144"

NORTH

50 0 50 100

SCALE: 1" = 50'-0"

811 Know what's below Call before you dig

CALL BEFORE YOU DIG IN WEST VIRGINIA 1-800-245-4848

SKETCH PLAN SUBMISSION (NOT FOR CONSTRUCTION)

NOTE: The base plan is derived from a survey generated by The Thrasher Group, Inc., Surveying dated 1/2023.

S/G/A
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STAMP:

REVISIONS:

NO.	DATE	REMARKS

NOTE: DO NOT SCALE FROM DRAWINGS. VERIFY ALL DIMENSIONS ON SITE.

DRAWN BY: AMS
CHECKED BY: MS
JOB #: 22012
DATE: 07/19/2023
SCALE: AS SHOWN

SHEET TITLE:

PLANTING PLAN

SK4-00

Historic Landmarks Commission
101 East Washington Street
Charles Town, WV 25414

Meeting: 08/14/23
Department: Historic Landmarks Commission
Category: Information Only
Initiator:

SCHEDULED

AGENDA ITEM (ID #)

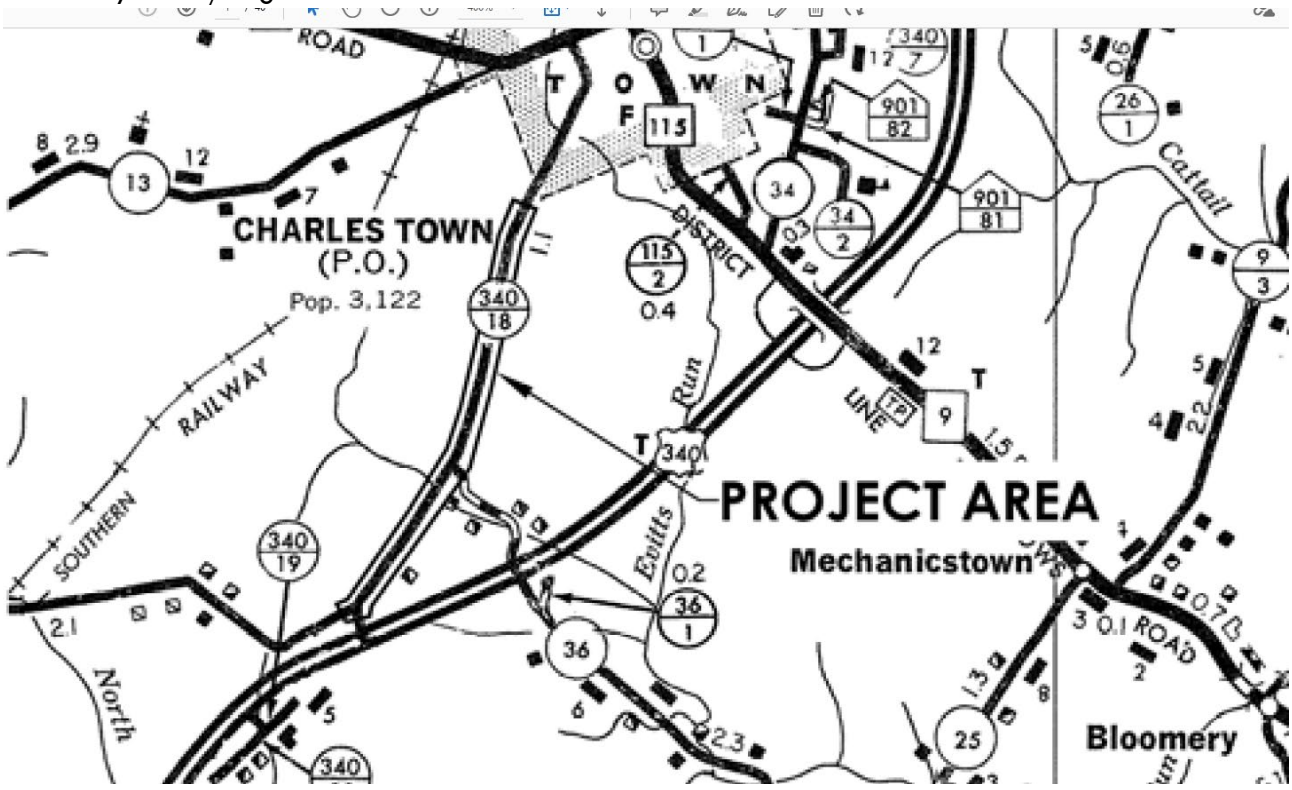
Commission Review - Augustine Trail

ATTACHMENTS:

- 1. Staff report.pdf
- 2. State Request.pdf
- 3. Plans.pdf

Discussion Item
Augustine Avenue Trail

Date: For the August 14, 2023 Historic Landmarks Commission meeting
Applicant: Karen E. Allen on behalf of the West Virginia Department of Highways
Property Owner: City of Charles Town
Report by: James Newman, City Planner, Zoning/Subdivision Administrator.
Proposal: Construction of a sidewalk /trail
Project Location: Form intersection of Old Cave Road/Augustine Avenue to the intersection of Creamery Place/Augustine Avenue



HISTORIC SURVEY BUILDING INFORMATION: Area is located outside of the Historic District.

PROPOSAL

The City of Charles Town received a Transportation Alternatives Program grant through the West Virginia Division of Highways (WVDOH) in the amount of $560,000 (80% federal) for the construction of 5,971 linear feet of new concrete sidewalk along the western side of Augustine Avenue between the driveway at The Hill property and Page Jackson School Drive.

The sidewalk will be ten feet wide with the exception of seven locations where it narrows to between six feet to eight feet wide due to the location of utility poles. It will also include Americans with Disabilities Act and drainage improvements (see attached plans). As part of the Section 106 process of
the National Historic Preservation Act, the WVDOH is soliciting comments in regards to any effects to historic resources.

TRAIL INFORMATION

The trail will be between 6 to10 ft wide (depending its location along the project area) and made of concrete.

IMPACT TO ADJACENT PROPERTIES

The proposed work is construction of sidewalks, curb, and gutters along the road. All work will take place on public right-of-way.

STAFF RECOMMENDATION

This item is for discussion by the Commission. If the Commission has questions, comments, or concerns, those comments will be taken by staff and provided to the Department of Highways. No action is required.

From: Allen, Karen E
To: James Newman
Subject: Charles Town Augustine Avenue Sidewalk Project
Date: Friday, July 28, 2023 7:50:32 AM
Attachments: Augustine Ave. 5-19-23 Full Set.pdf

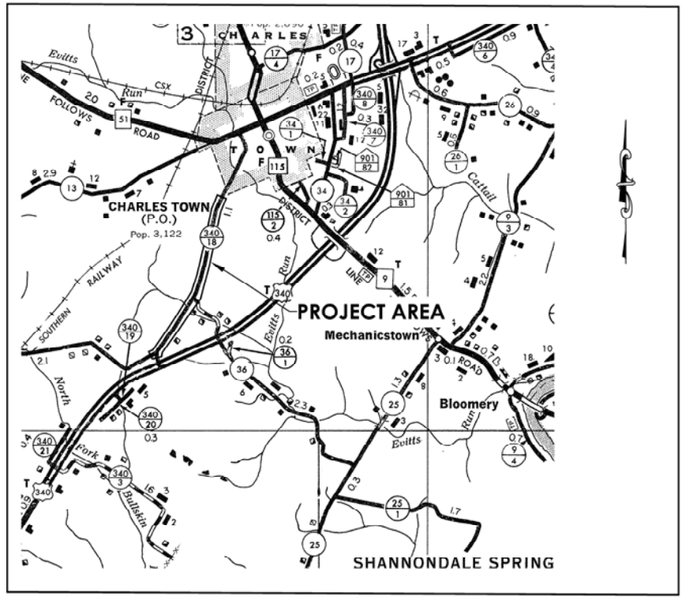
Good morning James,

The City of Charles Town received a Transportation Alternatives Program grant through the West Virginia Division of Highways (WVDOH) in the amount of $560,000 (80% federal) for the construction of 5,971 linear feet of new concrete sidewalk along the western side of Augustine Avenue between the driveway at The Hill property and Page Jackson School Drive. The sidewalk will be ten feet wide with the exception of seven locations where it narrows to between six feet to eight feet wide due to the location of utility poles. It will also include Americans with Disabilities Act and drainage improvements (see attached plans). As part of the Section 106 process of the National Historic Preservation Act, the WVDOH is soliciting comments in regards to any effects to historic resources.

Please feel free to contact me with any questions you may have.

Karen Ebert Allen
Transportation Environmental Resource Specialist Senior
304-414-6901

Beware - This email comes from outside the City of Charles Town.



WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR CONSTRUCTION

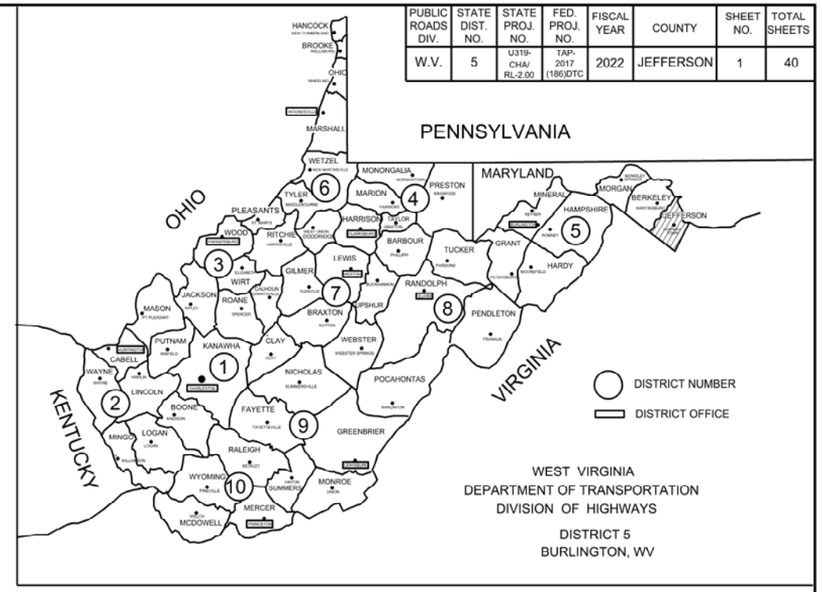
OF

STATE HIGHWAY
FEDERAL PROJECT NO. TAP-2017(186)DTC
STATE PROJECT NO. U319-CHA/RL-2.00
WV COUNTY ROUTE 340/18
CHARLES TOWN, WV
JEFFERSON COUNTY

AUGUSTINE AVENUE

	STATION		STATION		LF		MILE(S)
MULTI-USE PATH	45+16.39	to	104+87.39	=	5,971	=	1.13

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2022	JEFFERSON	1	40



TYPE OF CONSTRUCTION

MULTI-USE PATH - PHASE 1

UTILITIES ENCOUNTERED

WATER / SEWER

CHARLES TOWN UTILITY BOARD
661 S. GEORGE STREET
SUITE 101
CHARLES TOWN, WV 25414

POWER

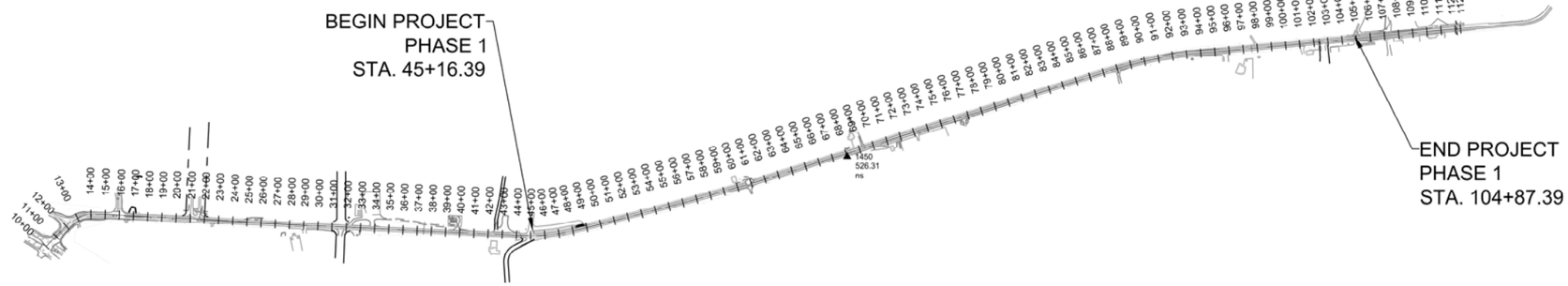
POTOMAC EDISON
901 WILSON STREET
MARTINSBURG, WV 25401
1-(304) 267-3248

CABLE

COMCAST
208 MILDRED STREET
RANSON, WV 25438

TELEPHONE

FRONTIER COMMUNICATIONS
1-(304) 271-8645



SCALE: 0 500'

CONVENTIONAL SIGNS

- STATE LINE
- COUNTY LINE
- CORPORATION LINE
- PROPOSED R/W & EASEMENT LINE
- EXISTING R/W LINE
- PROPERTY LINE
- EXISTING FENCE
- PROPOSED FENCE
- EDGE OF STREAM
- PROPOSED GUARD RAIL
- EXISTING GUARD RAIL
- RAILROAD
- SANITARY LINE (SAN)
- WATER LINE (W)
- TELEPHONE LINE (T)
- ELECTRIC LINE (OHW)
- TELEPHONE POLE
- POWER POLE
- COMBINE POWER AND TELEPHONE POLE
- TREE
- SHRUB
- RIGHT OF WAY MARKER

SCALES

PLAN HOR. 0 — 20 ft.
VERT. 10 ft.
PROFILE HOR. 0 — 10 ft.

INDEX TO SHEETS

NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
3	SUMMARY OF QUANTITIES
4-5	QUANTITIY TABLES
6	GENERAL NOTES
7	REFERENCE POINTS - SURVEY
8-13	GEOMETRIC LAYOUT
14	MAINTENANCE OF TRAFFIC
15-20	PLAN VIEWS
21	DETAILS
22-40	CROSS SECTIONS

I HEREBY CERTIFY THAT THIS IS A CORRECT COPY OF THE PLANS OF PROJECT U319-CHA/RL-2.00& TAP-2017(186)DTC.

EXECUTIVE SECRETARY

20___

PREPARED BY:
ALPHA ASSOCIATES, INC.

REG. PROF. ENG.

ALPHA ASSOCIATES, INC.
209 PRAIRIE AVENUE
MORGANTOWN, WV 26501
PHONE/FAX: 304-296-8216
TOLL FREE: 800-640-8216
www.thinkALPHAfirst.com
PROJECT NUMBER: 2205061.00

RECOMMENDED _____ PROJECT MANAGER

RECOMMENDED FOR APPROVAL _____ STATE HIGHWAY ENGINEER

APPROVED _____ COMMISSIONER OF HIGHWAYS

SUBMITTED: MAY 19, 2023

PROJECT NO. U319-CHA/RL-2.00, TAP-2017(186)DTC

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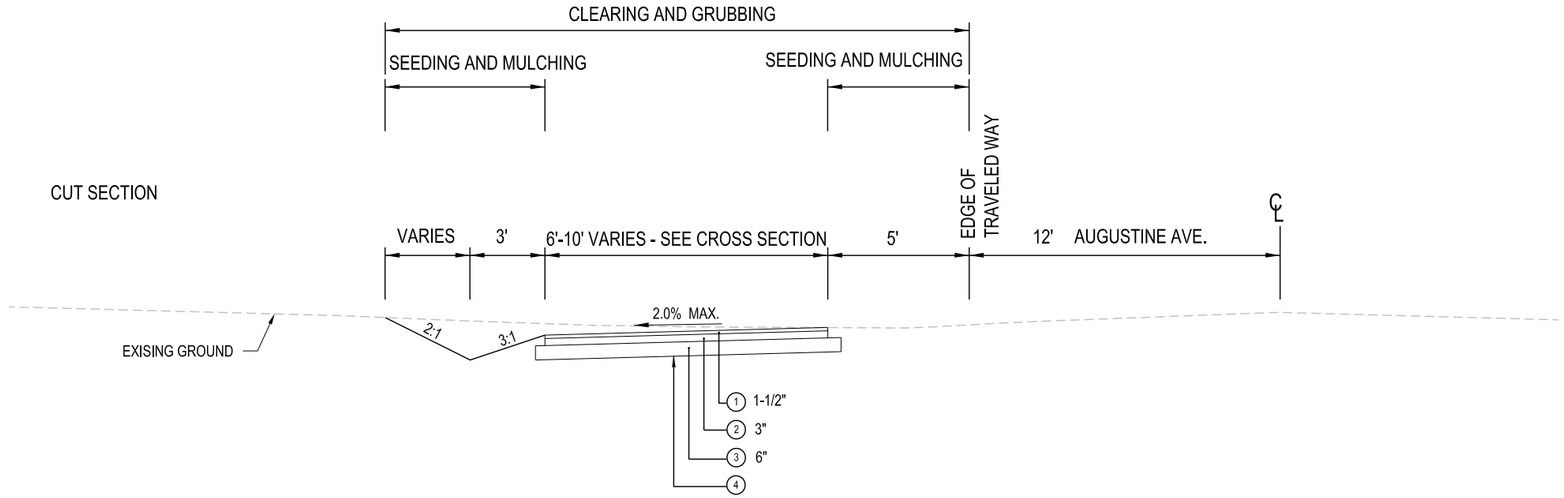
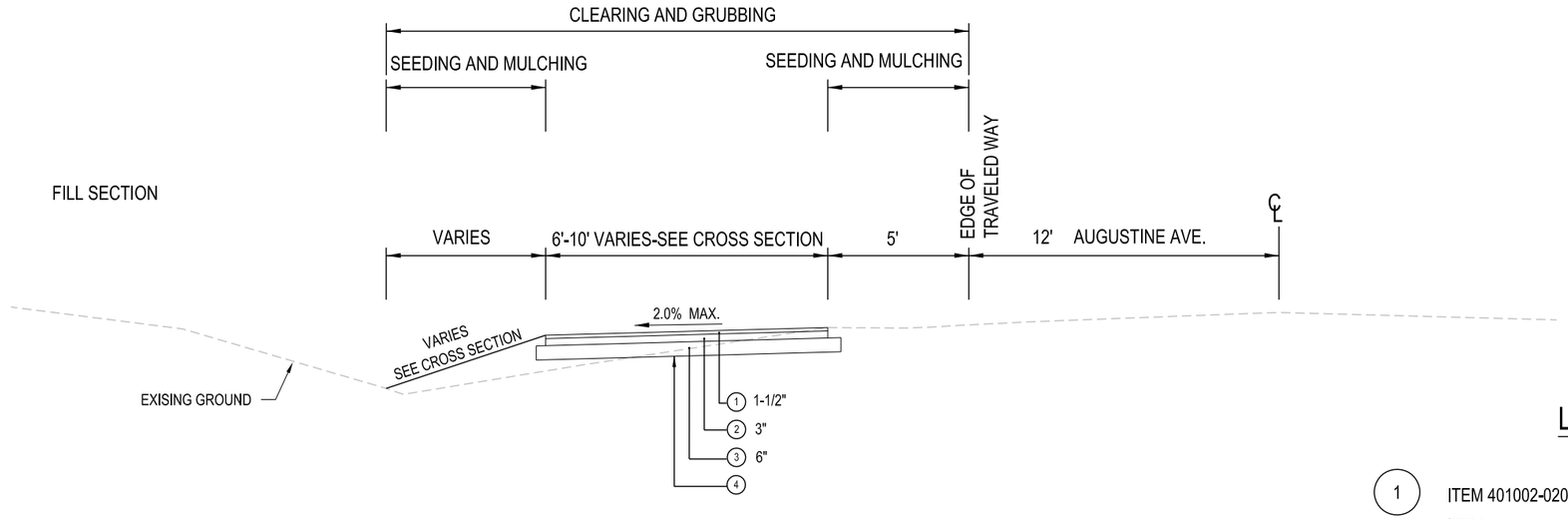
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	2	40





TYPICAL MULTI-USE PATH SECTION

NOT TO SCALE

LEGEND

1. ITEM 401002-020 MARSHALL ASPHALT WEARING CRSE, SG, TYPE I, TON
   ITEM 401002-021 MARSHALL ASPHALT WEARING CRSE, S, TYPE I, TON
2. ITEM 401001-023 MARSHALL ASPHALT BASE CRSE, SG, TYPE II, TON
   ITEM 401001-024 MARSHALL ASPHALT BASE CRSE, S, TYPE II, TON
3. ITEM 307001-000 AGGREGATE BASE COURSE, CLASS I, CY
4. ITEM 207034-000 FABRIC FOR SEPARATION

SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
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www.thinkALPHAfirst.com

ALPHA PROJECT: 2205061

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
TYPICAL SECTIONS

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PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	3	40

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	ALTERNATE	ITEM DESCRIPTION	UNIT	QUANTITY
		ROADWAY ITEMS		
201001-000		CLEARING AND GRUBBING	LS	1
204001-000		MOBILIZATION	LS	1
207001-001		UNCLASSIFIED EXCAVATION	CY	3423
207034-000		FABRIC FOR SEPARATION	SY	6635
211002-000		ROCK BORROW EXCAVATION	CY	50
240001-000		CLEAN CULVERT	LF	307
307001-000		AGGREGATE BASE COURSE, CLASS 1	CY	1106
508001-001		SAWING EXISTING CONCRETE PAVING	LF	198
601002-001		CLASS B CONCRETE	CY	5
604037-016		18 INCH REINFORCED CONCRETE PIPE, CLASS 1	LF	41
604037-020		24 INCH REINFORCED CONCRETE PIPE, CLASS 1	LF	5
605016-001		MODIFIED MANHOLE, TYPE 1	EA	1
609001-001		CONCRETE SIDEWALK	SY	5.42
609006-001		DETECTABLE WARNING SURFACE	EA	6
626003-001		MSE MODULAR BLOCK RETAINING WALL, CLASS 1	SF	215
636001-001		TRAFFIC CONTROL	LS	1
636011-001		TRAFFIC CONTROL DEVICE	UNIT	15,360
636022-001		CHANGEABLE MESSAGE SIGN	DA	380
636025-002		WARNING LIGHTS, TYPE B	DA	720

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	ALTERNATE	ITEM DESCRIPTION	UNIT	QUANTITY
639001-001		CONSTRUCTION LAYOUT STAKE	LS	1
640005-001		MINIMAL FIELD OFFICE	MO	6
640003-001		BUILDING EQUIPMENT	LS	1
642012-001		SILT FENCE	LF	11,942
652001-001		AGRICULTURAL LIMESTONE	TN	3
652002-001		FERTILIZER, 10-20-10	TN	0.8
652003-001		SEED MIXTURES, B, C-1, OR C-2	LB	200
652003-002		SEED MIXTURE, D	LB	134
652004-001		STRAW OR HAY MULCH	TN	4
663006-010		CROSSWALK LINE, TYPE V - 12 IN x 6 FT	LF	35
0000000-00		PEDESTRIAN YIELD SIGN & LIGHTS	EA	4
401002-020	AA1	MARSHALL ASPHALT WEARING CRSE, SG, TYPE I	TN	526
401002-021	AA2	MARSHALL ASPHALT WEARING CRSE, S, TYPE I	TN	502
401001-023	BB1	MARSHALL ASPHALT BASE CRSE, SG, TYPE II	TN	1095
401001-024	BB2	MARSHALL ASPHALT BASE CRSE, S, TYPE II	TN	1045

SUBMITTED: MAY 19, 2023

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ALPHA PROJECT: 2205061

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
SUMMARY OF QUANTITIES

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PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017(186)DTC	2023	JEFFERSON	4	40

GRADING SUMMARY*

LOCATION		(1) TOTAL UNCLASSIFIED EXCAVATION ITEM 207001-001	(2) UNSUITABLE EXCAVATION	(3) USABLE EXCAVATION	(4) SHRINK OR SWELL FACTOR	(5) ADJUSTED EXCAVATION	(6) UNCLASSIFIED EMBANKMENT	(7) SELECT EMBANKMENT	(8) TOTAL EMBANKMENT	(9) EXCESS (+) OR BORROW (-)
STATION	STATION	CY	CY	CY		CY	CY	CY	CY	CY
45+16.39	46+00.00	5.50	0	5.50	0.85	4.68	4.52	0	4.52	0.16
46+00.00	47+00.00	14.70	0	14.70	0.85	12.50	7.00	0	7.00	5.50
47+00.00	48+00.00	18.46	0	18.46	0.85	15.69	3.43	0	3.43	12.26
48+00.00	49+00.00	24.37	0	24.37	0.85	20.71	2.54	0	2.54	18.17
49+00.00	50+00.00	20.63	0	20.63	0.85	17.54	17.70	0	17.70	-0.16
50+00.00	51+00.00	12.28	0	12.28	0.85	10.44	44.67	0	44.67	-34.23
51+00.00	52+00.00	10.13	0	10.13	0.85	8.61	43.44	0	43.44	-34.83
52+00.00	53+00.00	12.17	0	12.17	0.85	10.34	17.63	0	17.63	-7.29
53+00.00	54+00.00	27.07	0	27.07	0.85	23.01	2.46	0	2.46	20.55
54+00.00	55+00.00	48.44	0	48.44	0.85	41.17	0.00	0	0.00	41.17
55+00.00	56+00.00	72.22	0	72.22	0.85	61.39	0.00	0	0.00	61.39
56+00.00	57+00.00	73.35	0	73.35	0.85	62.35	0.00	0	0.00	62.35
57+00.00	58+00.00	36.76	0	36.76	0.85	31.25	17.54	0	17.54	13.71
58+00.00	59+00.00	11.87	0	11.87	0.85	10.09	61.11	0	61.11	-51.02
59+00.00	60+00.00	128.26	0	128.26	0.85	109.02	43.57	0	43.57	65.45
60+00.00	61+00.00	146.35	0	146.35	0.85	124.40	0.00	0	0.00	124.40
61+00.00	62+00.00	27.26	0	27.26	0.85	23.17	7.94	0	7.94	15.23
62+00.00	62+08.80	1.18	0	1.18	0.85	1.00	1.82	0	1.82	-0.82
62+08.80	63+00.00	18.21	0	18.21	0.85	15.48	13.38	0	13.38	2.10
63+00.00	64+00.00	37.67	0	37.67	0.85	32.02	1.48	0	1.48	30.54
64+00.00	65+00.00	73.44	0	73.44	0.85	62.42	0.00	0	0.00	62.42
65+00.00	66+00.00	110.30	0	110.30	0.85	93.76	0.00	0	0.00	93.76
66+00.00	67+00.00	106.06	0	106.06	0.85	90.15	0.00	0	0.00	90.15
67+00.00	68+00.00	57.98	0	57.98	0.85	49.28	0.00	0	0.00	49.28
68+00.00	68+33.14	34.50	0	34.50	0.85	29.33	9.78	0	9.78	19.55
68+33.14	69+00.00	96.90	0	96.90	0.85	82.37	19.74	0	19.74	62.63
69+00.00	70+00.00	106.81	0	106.81	0.85	90.79	0.00	0	0.00	90.79
70+00.00	71+00.00	81.15	0	81.15	0.85	68.98	0.00	0	0.00	68.98
71+00.00	72+00.00	49.04	0	49.04	0.85	41.68	0.11	0	0.11	41.57
72+00.00	73+00.00	32.61	0	32.61	0.85	27.72	0.44	0	0.44	27.28
73+00.00	74+00.00	28.44	0	28.44	0.85	24.17	1.94	0	1.94	22.23
74+00.00	75+00.00	18.43	0	18.43	0.85	15.67	10.78	0	10.78	4.89
75+00.00	75+08.98	3.94	0	3.94	0.85	3.35	3.29	0	3.29	0.06
75+08.98	76+00.00	47.11	0	47.11	0.85	40.04	24.95	0	24.95	15.09
76+00.00	77+00.00	41.69	0	41.69	0.85	35.44	0.46	0	0.46	34.98
77+00.00	77+36.21	19.34	0	19.34	0.85	16.44	0.00	0	0.00	16.44
77+36.21	78+00.00	53.76	0	53.76	0.85	45.70	0.00	0	0.00	45.70
78+00.00	79+00.00	162.13	0	162.13	0.85	137.81	0.00	0	0.00	137.81
79+00.00	79+37.01	65.26	0	65.26	0.85	55.47	0.00	0	0.00	55.47
79+37.01	80+00.00	147.44	0	147.44	0.85	125.32	0.00	0	0.00	125.32
80+00.00	81+00.00	309.94	0	309.94	0.85	263.45	0.00	0	0.00	263.45
81+00.00	81+40.36	76.06	0	76.06	0.85	64.65	0.00	0	0.00	64.65
81+40.36	82+00.00	97.96	0	97.96	0.85	83.27	0.00	0	0.00	83.27
82+00.00	83+00.00	147.61	0	147.61	0.85	125.47	0.00	0	0.00	125.47
83+00.00	83+36.14	22.36	0	22.36	0.85	19.01	0.00	0	0.00	19.01
83+36.14	84+00.00	24.07	0	24.07	0.85	20.46	2.05	0	2.05	18.41
84+00.00	85+00.00	10.65	0	10.65	0.85	9.05	18.22	0	18.22	-9.17
85+00.00	86+00.00	7.00	0	7.00	0.85	5.95	39.02	0	39.02	-33.07
86+00.00	87+00.00	54.30	0	54.30	0.85	46.16	24.00	0	24.00	22.16
87+00.00	87+36.24	29.29	0	29.29	0.85	24.90	0.00	0	0.00	24.90
87+36.24	88+00.00	54.04	0	54.04	0.85	45.93	0.00	0	0.00	45.93

GRADING SUMMARY*

LOCATION		(1) TOTAL UNCLASSIFIED EXCAVATION ITEM 207001-001	(2) UNSUITABLE EXCAVATION	(3) USABLE EXCAVATION	(4) SHRINK OR SWELL FACTOR	(5) ADJUSTED EXCAVATION	(6) UNCLASSIFIED EMBANKMENT	(7) SELECT EMBANKMENT	(8) TOTAL EMBANKMENT	(9) EXCESS (+) OR BORROW (-)
STATION	STATION	CY	CY	CY		CY	CY	CY	CY	CY
88+00.00	89+00.00	129.46	0	129.46	0.85	110.04	0.00	0	0.00	110.04
89+00.00	89+81.87	103.28	0	103.28	0.85	87.79	0.00	0	0.00	87.79
89+81.97	90+00.00	33.04	0	33.04	0.85	28.08	0.00	0	0.00	28.08
90+00.00	91+00.00	180.80	0	180.80	0.85	153.68	0.00	0	0.00	153.68
91+00.00	92+00.00	95.98	0	95.98	0.85	81.58	0.00	0	0.00	81.58
92+00.00	93+00.00	61.57	0	61.57	0.85	52.33	0.00	0	0.00	52.33
93+00.00	94+00.00	39.80	0	39.80	0.85	33.83	0.09	0	0.09	33.74
94+00.00	95+00.00	34.44	0	34.44	0.85	29.27	0.17	0	0.17	29.10
95+00.00	96+00.00	22.11	0	22.11	0.85	18.79	13.09	0	13.09	5.70
96+00.00	97+00.00	12.22	0	12.22	0.85	10.39	15.46	0	15.46	-5.07
97+00.00	97+59.83	85.62	0	85.62	0.85	72.78	22.28	0	22.28	50.50
97+59.83	98+00.00	69.35	0	69.35	0.85	58.95	14.21	0	14.21	44.74
98+00.00	98+83.85	52.76	0	52.76	0.85	44.85	0.00	0	0.00	44.85
98+83.85	99+00.00	23.32	0	23.32	0.85	19.82	0.00	0	0.00	19.82
99+00.00	100+00.00	212.13	0	212.13	0.85	180.31	0.00	0	0.00	180.31
100+00.00	101+00.00	196.31	0	196.31	0.85	166.86	0.00	0	0.00	166.86
101+00.00	102+00.00	121.83	0	121.83	0.85	103.56	0.00	0	0.00	103.56
102+00.00	103+00.00	96.69	0	96.69	0.85	82.19	0.00	0	0.00	82.19
103+00.00	104+00.00	73.20	0	73.20	0.85	62.22	1.00	0	1.00	61.22
104+00.00	104+30.17	25.82	0	25.82	0.85	21.95	0.30	0	0.30	21.65
104+30.17	104+71.16	38.71	0	38.71	0.85	32.90	0.00	0	0.00	32.90
104+71.16	104+87.39	3.26	0	3.26	0.85	2.77	0.00	0	0.00	2.77
	TOTALS	4628.49		4628.49		3933.96	511.61		511.61	3422.35

SUMMARY OF PAVING QUANTITIES

LOCATION		ITEM 207034-000 FABRIC FOR SEPARATION	ITEM 307001-000 AGGREGATE BASE COURSE, CLASS 1	ITEM 401001-023 MARSHALL ASPHALT BASE COURSE, STONE OR GRAVEL, TYPE II	ITEM 401002-020 MARSHALL ASPHALT WEARING COURSE, STONE OR GRAVEL, TYPE I	REMARKS
STATION	STATION	SY	CY	TN	TN	
45+16.39	104+87.39	6635	1,105.73	1,094.69	525.44	
TOTALS		6635	1,105.73	1,094.69	525.44	

SUBMITTED: MAY 19, 2023

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www.thinkALPHAfirst.com
ALPHA PROJECT: 2205061

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
QUANTITY TABLES 1

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PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	5	40

CLEARING AND GRUBBING AND SEEDING AND MULCHING

LOCATION		CLEARING AND GRUBBING	SEEDING AND MULCHING	REMARKS
STATION	STATION	AC	AC	
45+16.39	46+00.00	0.02	0.01	
46+00.00	47+00.00	0.04	0.02	
47+00.00	48+00.00	0.04	0.02	
48+00.00	49+00.00	0.04	0.02	
49+00.00	50+00.00	0.05	0.03	
50+00.00	51+00.00	0.06	0.04	
51+00.00	52+00.00	0.06	0.04	
52+00.00	53+00.00	0.05	0.03	
53+00.00	54+00.00	0.04	0.02	
54+00.00	55+00.00	0.05	0.02	
55+00.00	56+00.00	0.05	0.03	
56+00.00	57+00.00	0.05	0.03	
57+00.00	58+00.00	0.05	0.03	
58+00.00	59+00.00	0.06	0.04	
59+00.00	60+00.00	0.07	0.04	
60+00.00	61+00.00	0.05	0.02	
61+00.00	62+00.00	0.04	0.01	
62+00.00	62+08.80	0.004	0.002	
62+08.80	63+00.00	0.04	0.02	
63+00.00	64+00.00	0.04	0.02	
64+00.00	65+00.00	0.05	0.03	
65+00.00	66+00.00	0.06	0.03	
66+00.00	67+00.00	0.06	0.03	
67+00.00	68+00.00	0.05	0.03	
68+00.00	68+33.14	0.02	0.01	
68+33.14	69+00.00	0.04	0.03	
69+00.00	70+00.00	0.06	0.03	
70+00.00	71+00.00	0.05	0.03	
71+00.00	72+00.00	0.05	0.02	
72+00.00	73+00.00	0.04	0.02	
73+00.00	74+00.00	0.04	0.02	
74+00.00	75+00.00	0.04	0.02	
75+00.00	75+08.98	0.005	0.003	
75+08.98	76+00.00	0.05	0.03	
76+00.00	77+00.00	0.04	0.02	
77+00.00	77+36.21	0.02	0.01	
77+36.21	78+00.00	0.03	0.02	
78+00.00	79+00.00	0.06	0.04	
79+00.00	79+37.01	0.02	0.01	
79+37.01	80+00.00	0.03	0.02	
80+00.00	81+00.00	0.07	0.05	
81+00.00	81+40.36	0.02	0.01	
81+40.36	82+00.00	0.03	0.02	
82+00.00	83+00.00	0.05	0.03	
83+00.00	83+36.14	0.01	0.01	
83+36.14	84+00.00	0.03	0.01	
84+00.00	85+00.00	0.05	0.02	
85+00.00	86+00.00	0.05	0.03	
86+00.00	87+00.00	0.05	0.03	
87+00.00	87+36.24	0.02	0.01	
87+36.24	88+00.00	0.03	0.02	
88+00.00	89+00.00	0.06	0.04	

CLEARING AND GRUBBING AND SEEDING AND MULCHING

LOCATION		CLEARING AND GRUBBING	SEEDING AND MULCHING	REMARKS
STATION	STATION	AC	AC	
89+00.00	89+81.87	0.05	0.03	
89+81.97	90+00.00	0.01	0.006	
90+00.00	91+00.00	0.07	0.05	
91+00.00	92+00.00	0.06	0.04	
92+00.00	93+00.00	0.05	0.03	
93+00.00	94+00.00	0.05	0.02	
94+00.00	95+00.00	0.04	0.02	
95+00.00	96+00.00	0.05	0.02	
96+00.00	97+00.00	0.05	0.02	
97+00.00	97+59.83	0.04	0.03	
97+59.83	98+00.00	0.03	0.02	
98+00.00	98+83.85	0.04	0.02	
98+83.85	99+00.00	0.01	0.01	
99+00.00	100+00.00	0.07	0.05	
100+00.00	101+00.00	0.07	0.05	
101+00.00	102+00.00	0.06	0.04	
102+00.00	103+00.00	0.06	0.04	
103+00.00	104+00.00	0.05	0.03	
104+00.00	104+30.17	0.02	0.01	
104+30.17	104+71.16	0.02	0.01	
104+71.16	104+87.39	0.003	0.001	
	TOTALS	3.09	1.77	

SUBMITTED: MAY 19, 2023

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ALPHA PROJECT: 2205061

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
QUANTITY TABLES 2

Z:\Projects\2022_Jobs\220506100\Drawings\Civil\Current\Construction\5-Quantities 2.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	6	40

GOVERNING SPECIFICATIONS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS ROADS AND BRIDGES, JANUARY 1, 2023 , THE CONTRACT DOCUMENTS, AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

THE FOREST SERVICE TRAIL ACCESSIBILITY GUIDELINES (FASTAG), THE FOREST SERVICE OUTDOOR RECREATION ACCESSIBILITY GUIDELINES (FSORAG), THE US FOREST SERVICE TRAIL FUNDAMENTALS AND TRAIL MANAGEMENT OBJECTIVES,THE ABA ACCESSIBILITY GUIDELINES (EFFECTIVE NOVEMBER 2013) ARE APPLICABLE TO THIS PROJECT.

THE ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (PROWAG) SHALL BE APPLICABLE TO THIS PROJECT.

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS (WVDOH) STANDARD DETAILS BOOK, VOLUME 1, DATED MAY 2016 WITH REVISIONS THROUGH DECEMBER 2021, IS HEREBY INCORPORATED INTO THESE PLANS EXCEPT AS OTHERWISE NOTED.

NOTICE TO CONTRACTORS

IT IS TO BE ANTICIPATED THAT OTHER CONTRACTORS MAY BE WORKING IN THIS AREA, AND IT IS IMPERATIVE THAT A STRICT PLAN OF COORDINATION BETWEEN CONTRACTORS BE AGREED ON IN REFERENCE TO WORKING PLANS AND STORAGE AREAS. THIS PLAN OF COORDINATION WILL BE PRESENTED TO THE PROJECT ENGINEER IN WRITING FOR REVIEW. THE CONTRACTOR SHALL COORDINATE WITH AND ALLOW ACCESS TO ALL OTHER CONTRACTORS.

EXISTING UTILITIES

THE LOCATION AND/OR ELEVATIONS OF ALL KNOWN UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION FROM EXISTING PLANS AND FROM FIELD INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE STATUS AND LOCATION OF EACH UTILITY PRIOR TO BEGINNING WORK AND TO TAKE THE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THESE UTILITIES. IN THE EVENT OF DAMAGE OR DISRUPTION OF THESE UTILITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY AN OFFICIAL OF THE AFFECTED UTILITY AND LEND ALL POSSIBLE ASSISTANCE IN RESTORING SERVICE. THE CONTRACTOR SHALL ASSUME ALL COSTS ASSOCIATED WITH THE REPAIR AND INTERRUPTION OF SUCH SERVICES.

THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-245-4848 AT LEAST 72 HOURS BEFORE COMMENCING WORK ON THIS PROJECT.

HMA PAVEMENT MIX

ALL HMA PAVEMENT FOR THIS PROJECT SHALL BE A MEDIUM MIX DESIGN.

BENCH MARKS

THE CONTRACTOR SHALL HOLD BENCH MARK LOCATIONS THROUGHOUT THE LIFE OF THE PROJECT. IN THE EVENT THAT A BENCH MARK IS DISTURBED, THE CONTRACTOR, AS DIRECTED BY THE PROJECT ENGINEER, WILL RELOCATE OR REESTABLISH THE BENCH MARK. NO ADDITIONAL PAYMENT OR COMPENSATION WILL BE MADE FOR THIS WORK.

ELEVATIONS

ALL ELEVATIONS SHOWN REFER TO NAVD 1988 DATUM.

COORDINATES

ALL COORDINATES SHOWN ARE WEST VIRGINIA STATE PLANE NORTH ZONE NAD 83 (2001).

EROSION AND SEDIMENT CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATER QUALITY THROUGHOUT THE DURATION OF CONSTRUCTION IN ACCORDANCE WITH THE GENERAL WEST VIRGINIA/NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) WATER POLLUTION CONTROL PERMIT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES, PERMIT NUMBER WV0115924 ISSUED JANUARY 10, 2019 BY THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP), AND ANY MODIFICATION(S) THERE TO. THE NPDES PERMIT EXPIRES FEBRUARY 9, 2024.

THE CONTRACTOR SHALL DEVELOP A SITE-SPECIFIC STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT BASED ON THE CONTRACTOR(S) MEANS AND METHODS, AND IN ACCORDANCE WITH THE WVDEP EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL (2006 EDITION, REVISED AUGUST 29, 2016) AND THE NPDES PERMIT. THE CONTRACTOR(S) SWPPP SHALL INCLUDE ALL EROSION AND SEDIMENT CONTROL DETAILS INCLUDED IN THE CONSTRUCTION PLANS AND DETAILS OF ADDITIONAL OR ALTERNATE BEST MANAGEMENT PRACTICES (BMPS)/ENHANCED BMPS PROPOSED BY THE CONTRACTOR.

THE CONTRACTOR SHALL PREPARE A GROUNDWATER PROTECTION PLAN (GPP) AS A SEPARATE, STAND-ALONE DOCUMENT SIGNED BY A COMPANY OFFICER. THE GPP WILL INCLUDE A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN AND, IF THE PROJECT IS LOCATED IN AN AREA KNOWN TO HAVE KARST TOPOGRAPHY, A KARST MITIGATION PLAN (KMP) IS REQUIRED. THE CONTRACTOR MAY USE THE KMP TEMPLATE PROVIDED BY THE WVDOH OR DEVELOP AND SUBMIT AN ALTERNATIVE KMP.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SPECIFIC EROSION AND SEDIMENT CONTROL (ESC) FEATURES BASED ON THE CONTRACTOR(S) MEANS, METHODS, AND PHASING. THE CONTRACTOR(S) SWPPP SHALL PROVIDE THE LOCATION OF THE ESC FEATURES INCLUDING BUT NOT LIMITED TO SEDIMENT TRAPS, ACCESS ROADS, INTERNAL CONTROLS, ETC. THE ESC FEATURES SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE WVDEP EROSION ANS SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL (2006 EDITION, REVISED AUGUST 29, 2016). DETAILS IN THE PLANS, THE CONDITIONS OF THE NPDES PERMIT AND THE MANUFACTURER(S) RECOMMENDATIONS (AS APPLICABLE).

ENHANCED BMPS SHALL BE USED ON THIS PROJECT, INCLUDING BUT NOT LIMITED TO:
* INSPECTION OF ALL ESC BMPS WITHIN THE PROJECT AREA BY A QUALIFIED PERSON AT LEAST ONCE EVERY FOUR (4) CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY PRECIPITATION EVENT OF 0.25 INCHES OR GREATER PER 24 HOUR PERIOD OR THE OCCURRENCE OF RUNOFF FROM SNOWMELT SUFFICIENT TO CAUSE A DISCHARGE.
* REPAIRS OR MAINTENANCE OF ANY DEFECTIVE BMPS IDENTIFIED DURING THE INSPECTION SHALL BE PERFORMED WITH IN 24 HOURS. HOWEVER, PERMITTEES MUST IMPLEMENT ALTERNATE BMPS PRIOR TO STORM EVENTS WHILE AWAITING REPAIR OF THE PRIMARY ENHANCED BMP.
* TEMPORARY SEEDING AND MULCHING OF DISTURBED AREAS WITHIN FOUR (4) DAYS WHEN THOSE AREAS WILL NOT BE RE-DISTURBED FOR MORE THAN 14 DAYS.
* PERMANENT SEEDING AND MULCHING WITHIN FOUR (4) DAYS OF REACHING FINAL GRADE.
* FINAL STABILIZATION WITHIN FOUR (4) DAYS AFTER CONSTRUCTION HAS BEEN COMPLETE.

THE CONTRACTOR SHALL PROVIDE THE WVDOH WITH A COPY OF THE SWPPP, GPP, KMP (IF REQUIRED), AND THE ORIGINAL CO-APPLICANT/PERMITTEE *1 SIGNATURE PAGE SIGNED BY AN OFFICER OF THE COMPANY OR A DESIGNEE. A DESIGNEE MAY HAVE SIGNATURE AUTHORITY IF A CORPORATE OFFICER PROVIDES A LETTER OF DESIGNATED AUTHORITY. THE WVDOH WILL PREPARED AND SUBMIT AN APPLICATION TO MODIFY THE NPDES PERMIT REGISTRATION ADDING THE SWPPP, GPP, KMP (IF REQUIRED), THE WVDOH CO-APPLICANT/PERMITTEE *2 SIGNATURE PAGE, AND THE CONTRACTOR(S) CO-APPLICANT/PERMITTEE *1 SIGNATURE PAGE.

EARTH DISTURBING ACTIVITIES SHALL NOT BE INITIATED UNTIL THE WVDEP HAS APPROVED THE NPDES PERMIT MODIFICATION, SWPPP, GPP, AND KMP (IF REQUIRED). THE WVDOH WILL NOT BE RESPONSIBLE FOR ANY DELAYS IN OBTAINING WVDEP APPROVAL OF THE NPDES PERMIT MODIFICATIONS DUE TO THE TIMELESS OF WVDEP(S) REVIEW OR THE CONTRACTOR(S) FAILURE TO PROVIDE A COMPLETE SWPPP, GPP, KMP (IF REQUIRED) OR SUBMIT CORRECTIONS AND/OR ADDITIONAL INFORMATION REQUIRED BY WVDEP IN A TIMELY MANNER. ANY ADDITIONAL/FUTURE NPDES PERMIT REGISTRATION MODIFICATION APPLICATIONS SHALL BE SUBMITTED BY THE CONTRACTOR THROUGH THE WVDEP ELECTRONIC SUBMISSION SYSTEM (ESS).

THE CONTRACTOR SHALL HAVE THE PRIMARY RESPONSIBILITY FOR COMPLIANCE WITH THE NPDES PERMIT.

IF ANY OF THE COMPONENTS OF THE APPROVED SWPPP PROVE INEFFECTIVE AT MINIMIZING OR PREVENTING SEDIMENT LADEN STORMWATER FROM LEAVING THE PROJECT SITE, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BMPS, MODIFY THE SWPPP, AND MODIFY THE NPDES PERMIT REGISTRATION TO PROVIDE A MORE EFFECTIVE MEANS OF CONTROLLING/ELIMINATING EROSION AND SILTATION FROM THE STORMWATER RUNOFF. IF APPROVED BMPS ARE INEFFECTIVE AT PROTECTING RECEIVING WATERS AND THE CONTRACTOR IS UNABLE TO IDENTIFY AND EMPLOY BMPS CAPABLE OF PREVENTING SEDIMENT LADEN RUNOFF FROM LEAVING THE PROJECT SITE, THE CONTRACTOR SHALL IMMEDIATELY CEASE FURTHER LAND DISTURBANCE UNTIL SUCH TIME THAT THE UNAUTHORIZED DISCHARGE CEASES.

IN THE EVENT THAT TEMPORARY EROSION AND POLLUTION CONTROL MEASURES ARE ORDERED BY THE ENGINEER DUE TO THE CONTRACTOR'S NEGLIGENCE, CARELESSNESS, OR FAILURE TO INSTALL PERMANENT CONTROLS AS PART OF THE WORK SCHEDULED, SUCH WORK SHALL BE PERFORMED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FUTURE NPDES PERMIT MODIFICATION APPLICATION FEES, ANNUAL RENEWAL FEES, AND PENALTIES/FINES/CONSENT ORDERS ASSOCIATED WITH THE NPDES PERMIT REGISTRATION UNTIL SUCH TIME THE CONTRACTOR IS RELEASED FROM THE CONSTRUCTION CONTRACT.

THE CONTRACTOR SHALL ESTABLISH ESC PLAN FEATURES AT THE EARLIEST POSSIBLE DATE. THE CONTRACTOR(S) FIRST ORDER OF WORK IS THE INSTALLATION OF SEDIMENT STRUCTURES AND BMPS/ENHANCED BMPS SUCH AS SUPER SILT FENCE, STABILIZED CLEAN STORMWATER DIVERSIONS, ETC. INITIAL CLEARING AND GRUBBING SHALL BE LIMITED TO WHAT IS NECESSARY TO ESTABLISH THE ESC PLAN FEATURES FOR THE PROPOSED DISTURBED AREA.

THE CONTRACTOR SHALL ENSURE THAT ALL ESC FEATURES ON THE PROJECT ARE INSPECTED AS REQUIRED BY THE NPDES PERMIT. THE CONTRACTOR SHALL REPLACE, CLEAN, AND/OR INSTALL ADDITIONAL ESC FEATURES, AS NECESSARY, TO REMAIN IN COMPLIANCE WITH THE NPDES PERMIT.

EROSION AND SEDIMENT CONTROL (CONT.)

IF OFF-SITE WASTE AND/OR BORROW AREAS ARE PROPOSED, THE CONTRACTOR AND/OR PROPERTY OWNER SHALL BE RESPONSIBLE TO APPLY FOR NPDES REGISTRATION OF ANY OFF-SITE WASTE AND/OR BORROW SITES (IF APPLICABLE). A COPY OF THE NPDES REGISTRATION AND ANY MODIFICATION(S) THERETO, AS WELL AS THE APPROVED SWPPP, GPP, ESC PLAN, AND SPILL PREVENTION, CONTROL AND COUNTERMEASURES PLAN, SHALL BE KEPT ON-SITE AND AVAILABLE FOR REVIEW AT ALL TIMES BY THE CONTRACTOR(S) EMPLOYEES, WVDOH. RESOURCE AGENCIES OR OTHER INTERESTED PARTIES UPON DEMAND, WVDOH SHALL NOT BE A CO-APPLICANT/PERMITTEE ON WASTE AND/OR BORROW SITES LOCATED OUTSIDE OF WVDOH RIGHT OF WAY.

FLOCCULANTS, OR OTHER TREATMENT CHEMICALS MAY BE USED ONLY IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES AND THE MANUFACTURER/SUPPLIER SPECIFICATIONS. DOSING RATES SHALL BE SPECIFIED AND MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE INCLUDED IN THE CONTRACTOR(S) SWPPP AND GPP, MAINTAINED ON SITE, AND AVAILABLE FOR INSPECTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR QUARTERLY TRAINING OF ALL ON-SITE PERSONNEL ON SPILL AND LEAK RESPONSE, INTERNAL REPORTING, GOOD HOUSEKEEPING, ROUTINE INSPECTION, AND MAINTENANCE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NPDES PERMIT, SWPPP, AND GPP.

PERIODIC INSPECTIONS OF THE SITE AND ESC BMPS WILL BE CONDUCTED BY REPRESENTATIVES OF THE WVDEP TO ENSURE COMPLIANCE WITH THE CONDITIONS AND REQUIREMENTS OF THE NPDES PERMIT. REPRESENTATIVES OF OTHER RESOURCE AGENCIES MAY ALSO CONDUCT SITE INSPECTIONS THROUGHOUT THE LIFE OF THE CONSTRUCTION CONTRACT.

WATER QUALITY

FOR THE DURATION OF CONSTRUCTION, THE PROJECT ENGINEER WILL WORK CLOSELY WITH THE CONTRACTOR SUPERINTENDENT. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE FOLLOWING:

- IMPLEMENTING AND MAINTAINING THE EROSION CONTROL PLAN.
- DIRECTING THE CONSTRUCTION, OPERATION, AND DISMANTLING OF TEMPORARY EROSION CONTROL FEATURES.
- IMPLEMENTING REMEDIAL ACTION REQUIRED TO REPAIR FAILING EROSION AND SEDIMENTATION CONTROL FEATURES.
- IMPLEMENTING STORM AND WINTER SHUTDOWN PROCEDURES.
- SHAPING EARTHWORK PRIOR TO THE SUSPENSION OF GRADING OPERATIONS EACH DAY IN A MANNER THAT WILL PERMIT STORM RUNOFF WITH A MINIMUM OF EROSION.
- OPERATING AND MAINTAINING EROSION CONTROL FEATURES IN AN ACCEPTABLE MANNER.
- CLEANING AND RESTORING, TO ITS ORIGINAL CONDITION, ANY EROSION OR SEDIMENT CONTROL FEATURE THAT HAS REACHED HALF OF ITS CAPACITY.

THE CONTRACTOR WILL BE REQUIRED TO PREPARE A SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) PLAN THAT ITEMIZES SPECIFIC MEASURES THAT WILL BE IMPLEMENTED TO PREVENT AND CLEAN UP CHEMICAL AND PETROLEUM PRODUCT SPILLS THAT MAY OCCUR DURING ALL PHASES OF PROJECT CONSTRUCTION. FUEL STORAGE AND REFUELING ACTIVITIES, EQUIPMENT MAINTENANCE ACTIVITIES, AND EQUIPMENT WASHING WILL BE KEPT AT LEAST 500 FEET AWAY FROM ANY PERENNIAL OR INTERMITTENT WATERCOURSE OR WETLAND.

DRAINAGE

THE CONTRACTOR SHALL MAINTAIN WORKING STORM DRAINAGE SYSTEMS THROUGHOUT THE WORK AREAS AT ALL TIMES DURING CONSTRUCTION. THE WORKING SYSTEM MAY CONSIST OF THE EXISTING STORM DRAINAGE SYSTEM, THE PROPOSED STORM DRAINAGE SYSTEM, OR A COMBINATION THEREOF. DRAINAGE PIPES FOR THE PROPOSED SYSTEMS SHALL BE CONSTRUCTED IN SECTION LENGTHS NECESSARY TO MAINTAIN THE LANES OF TRAFFIC INDICATED IN THE MAINTENANCE OF TRAFFIC NOTES OR DESIGNATED BY THE PROJECT SUPERVISOR. NO ADDITIONAL PAYMENT OR COMPENSATION WILL BE MADE FOR THIS WORK.

ALL PIPES TO REMAIN SHALL BE CONNECTED TO THE DRAINAGE SYSTEM OR HAVE A POSITIVE OUTLET.

ALL DRAINAGE OUTLET STRUCTURES SHALL BE FIELD ADJUSTED AS REQUIRED TO MATCH THE EXISTING GROUND AS DIRECTED BY THE ENGINEER.

ALL EXISTING DRAINAGE FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

WHERE THE EXISTING CULVERTS UNDER ROADWAYS WITHIN WORK LIMITS ARE TO REMAIN, THE CULVERTS ARE TO REMAIN OPEN AND ARE TO BE CLEANED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 240001-000, "CLEAN CULVERTS."

ALL DITCHES SHALL BE LINED WITH TYPE A MATTING UNLESS OTHERWISE NOTED.

PAVEMENT UNDERCUT

WHEN MATERIAL IS ENCOUNTERED AT SUBGRADE ELEVATION WHICH CANNOT BE COMPACTED TO THE REQUIRED DENSITY, IT SHALL BE UNDERCUT AND BACKFILLED WITH SELECT EMBANKMENT. THE VOLUME EXCAVATED SHALL BE PAID FOR AS ITEM 207001-001, UNCLASSIFIED EXCAVATION. THE BACKFILL SHALL BE SELECT EMBANKMENT. IF SELECT EMBANKMENT IS NOT AVAILABLE OR NOT ENOUGH QUANTITY IS AVAILABLE, THE ADDITIONAL NEEDED SELECT EMBANKMENT SHALL BE PAID FOR UNDER ITEM 211002-000, ROCK BORROW EXCAVATION. THE TOP 6" OF THE BACKFILL SHALL BE MADE WITH PARTICLES NOT LARGER THAN 3". THE DECISION FOR UNDERCUTTING AND THE DEPTH OF UNDERCUT WILL BE DETERMINED BY THE ENGINEER.

SIGNS -

ALL SIGNS WITHIN THE PROJECT AREA ARE TO BE REMOVED AND RESET INCIDENTAL TO ITEM #201001-000 CLEARING AND GRUBBING.

LEGEND

EXISTING	PROPOSED
INDEX CONTOUR	INDEX CONTOUR
INTERMEDIATE CONTOUR	INTERMEDIATE CONTOUR
WATERLINE	STORM SEWER
SANITARY SEWER LINE	STEAM LINE
OVERHEAD ELECTRIC	PROPERTY LINE
UNDERGROUND ELECTRIC	FENCE
OVERHEAD UTILITIES	GUARD RAIL
GAS LINE	SILT FENCE
STORM SEWER	LIMITS OF DISTURBANCE
STEAM LINE	DEMOLITION LINE
PROPERTY LINE	UTILITY POLE
FENCE	POLE MOUNTED LIGHT
GUARD RAIL	FIRE HYDRANT
	WATER VALVE
	SANITARY SEWER MANHOLE
UTILITY POLE	INLET PROTECTION
LIGHT POLE	CONCRETE/SIDEWALK
CONTROL POINTS	
FIRE HYDRANT	
SANITARY SEWER MANHOLE	
CONCRETE/SIDEWALK	

ABBREVIATIONS

AC	ACRES
BLDG	BUILDING
CONC	CONCRETE
CMP	CORRUGATED METAL PIPE
CRBF	CAPPED REBAR FOUND
DB	DEED BOOK
ELEV	ELEVATION
EX	EXISTING
FFE	FIRST FLOOR ELEVATION
GM	GAS METER
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
LF	LINEAR FEET
LT	LEFT
N/F	NOW OR FORMERLY
PCL	PARCEL
PG	PAGE
PROP	PROPOSED
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
RR	RAILROAD
RT	RIGHT
SF	SQUARE FEET
STA	STATION
SWM	STORM WATER MANAGEMENT
TBR	TO BE REMOVED
TBRL	TO BE RELOCATED
TM	TAX MAP
TYP	TYPICAL
WM	WATER METER
W/	WITH

SUBMITTED: MAY 19, 2023

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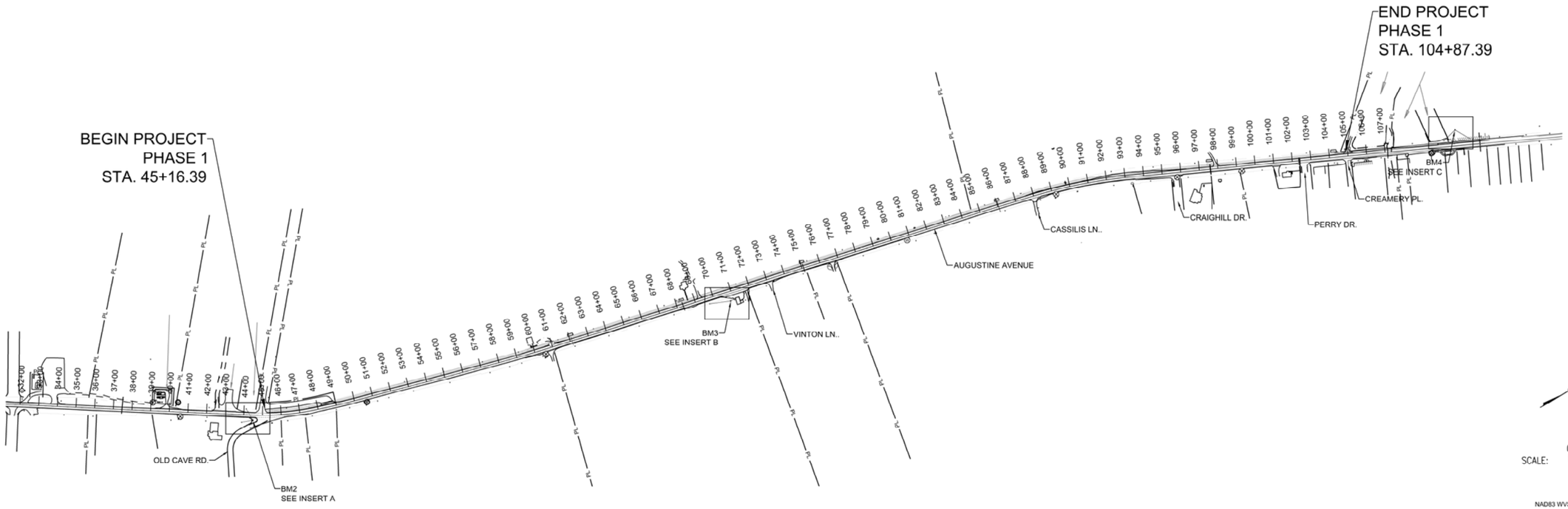
ALPHA PROJECT: 2205061

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
GENERAL NOTES

Z:\Projects\2022_Jobs\220506100\Drawings\Civil\Current\Construction\6-General Notes.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	7	40



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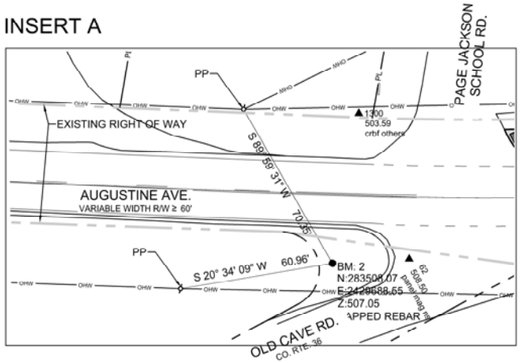

BM2
NOT TO SCALE

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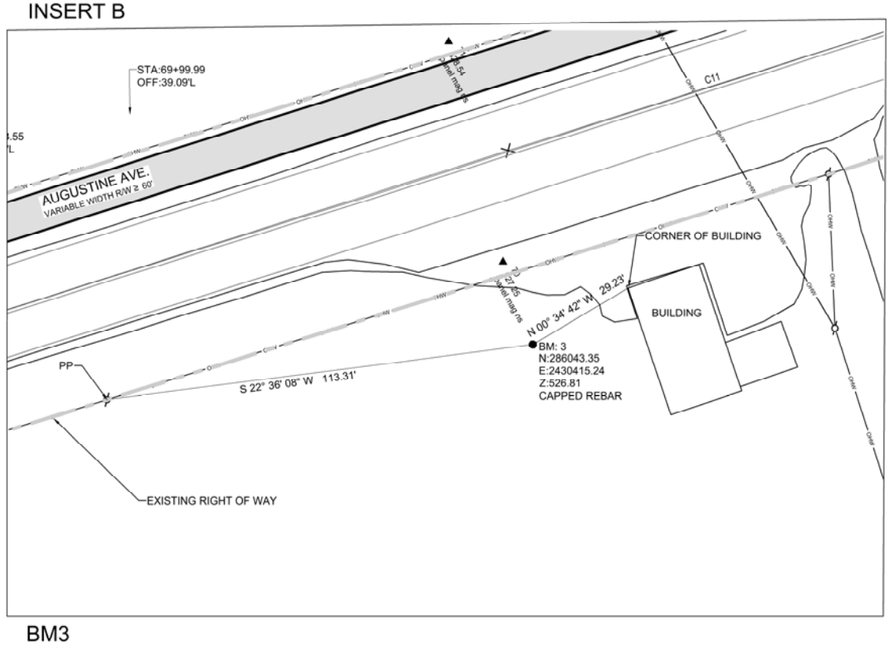

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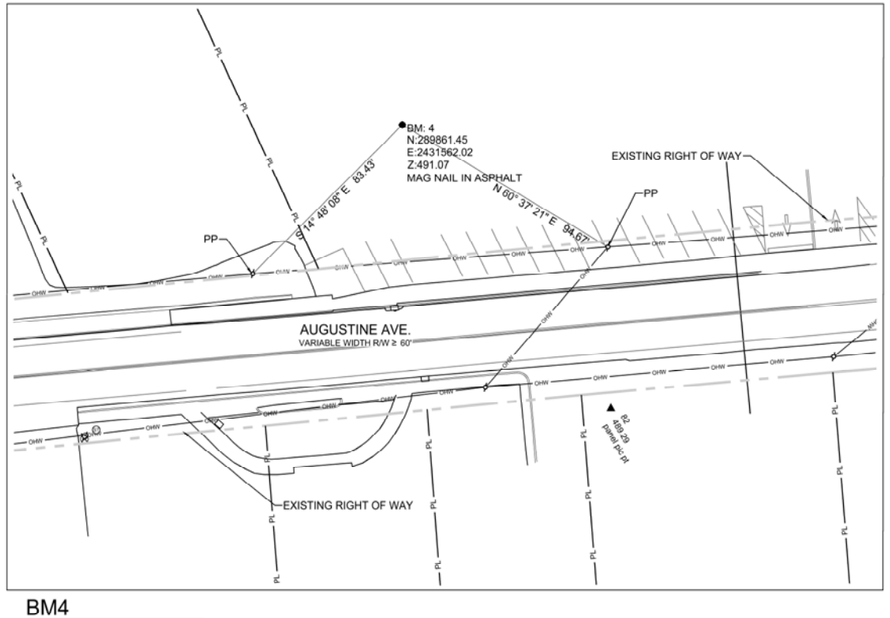

BM4
NOT TO SCALE

SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
REFERENCE POINTS

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PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	8	40

CURVE C1	
PI STA	45+00.85
Δ	3°26'14"
R	1200.00'
T	36.01'
L	71.99'
E	0.54'
S.E.	N/A

CURVE C2	
PI STA	45+92.94
Δ	4°48'32"
R	1000.00'
T	41.99'
L	83.93'
E	0.88'
S.E.	N/A

CURVE C3	
PI STA	47+02.86
Δ	5°12'10"
R	1100.00'
T	49.98'
L	99.89'
E	1.13'
S.E.	N/A

CURVE C4	
PI STA	48+52.54
Δ	2°36'52"
R	4372.14'
T	99.77'
L	199.50'
E	1.14'
S.E.	N/A

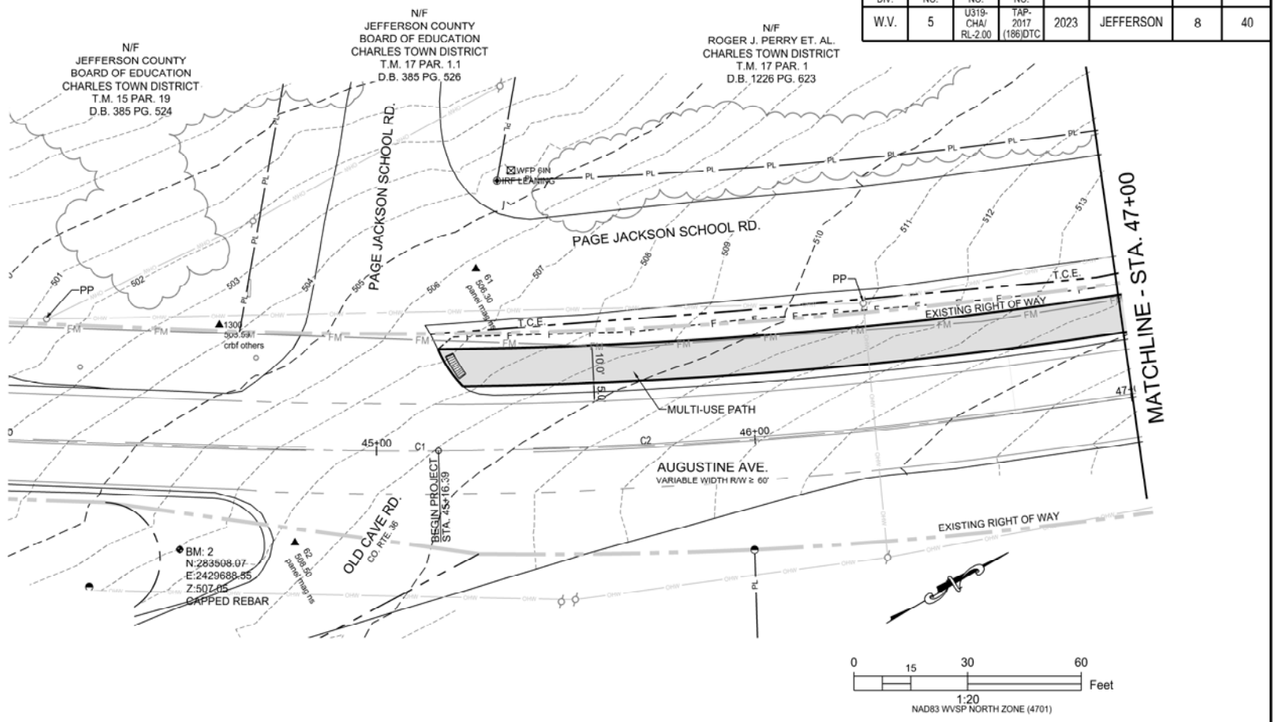
CURVE C5	
PI STA	49+93.87
Δ	0°36'30"
R	5000.00'
T	26.54'
L	53.09'
E	0.07'
S.E.	N/A

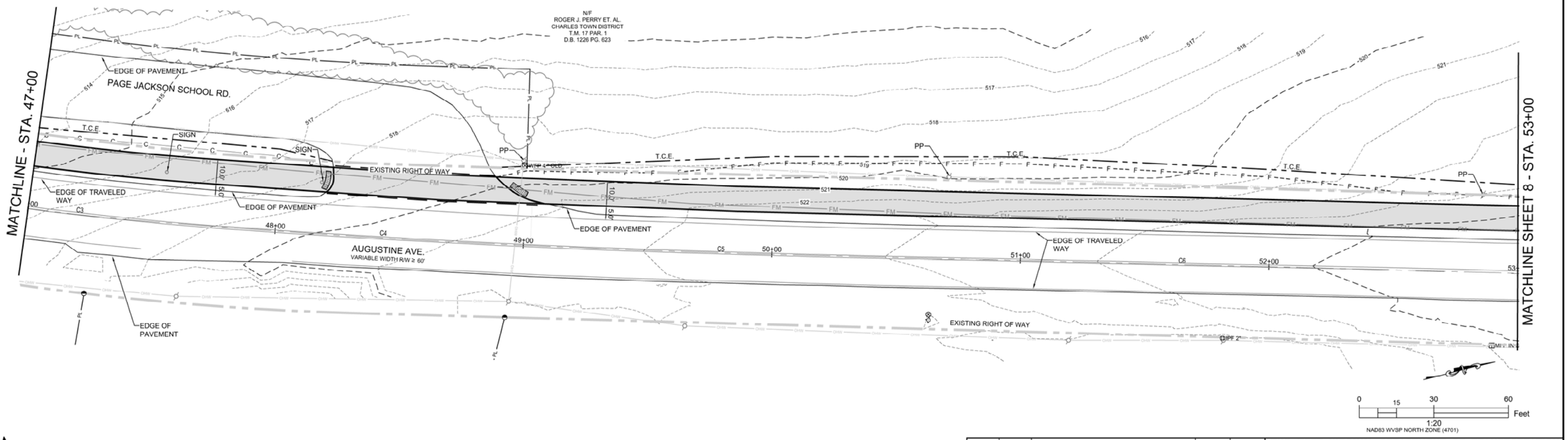
CURVE C6	
PI STA	51+74.01
Δ	0°09'26"
R	20000.00'
T	27.45'
L	54.90'
E	0.02'
S.E.	N/A

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PC: 44+64.85	283535.9550	2429673.7836
PT: 45+36.84	283598.0829	2429710.1301
PC: 45+50.95	283610.4703	2429716.8868
PT:46+34.88	283685.7522	2429753.9394

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PC: 46+52.89	283702.2303	2429761.2076
PCC: 47+52.77	283795.3240	2429797.3161
PT: 49+52.28	283985.7946	2429856.6094
PC: 49+67.32.	284000.2593	2429860.7527

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PT: 50+20.41	284051.3721	2429875.1006
PC: 51+46.56	284173.0094	2429908.5497
PT: 52+01.46	284225.9203	2429923.1778
PC: 52+93.14	284314.2535	2429947.7295





SUBMITTED: MAY 19, 2023

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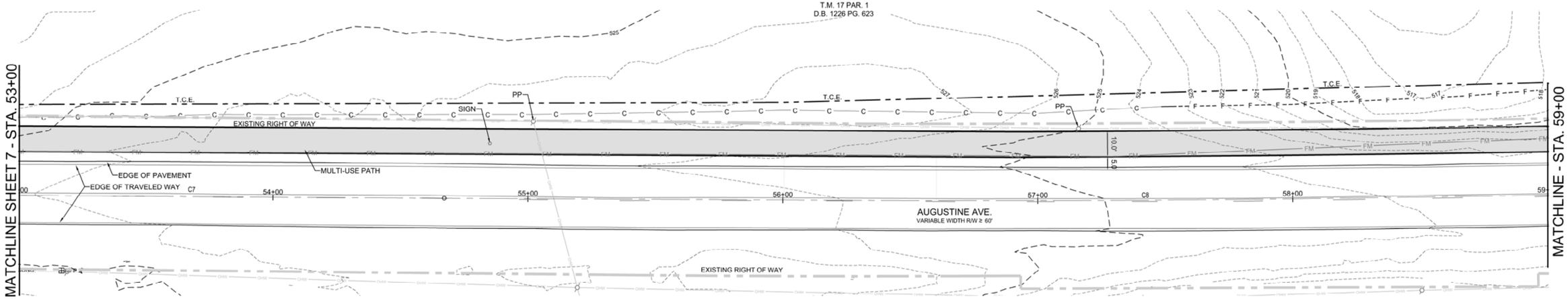
REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
GEOMETRIC LAYOUT 1

Z:\Projects\2022_Jobs\220506100\Drawings\Civil\Current\Construction\8-GEOMETRIC LAYOUT 1 - PHASE 1.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	9	40



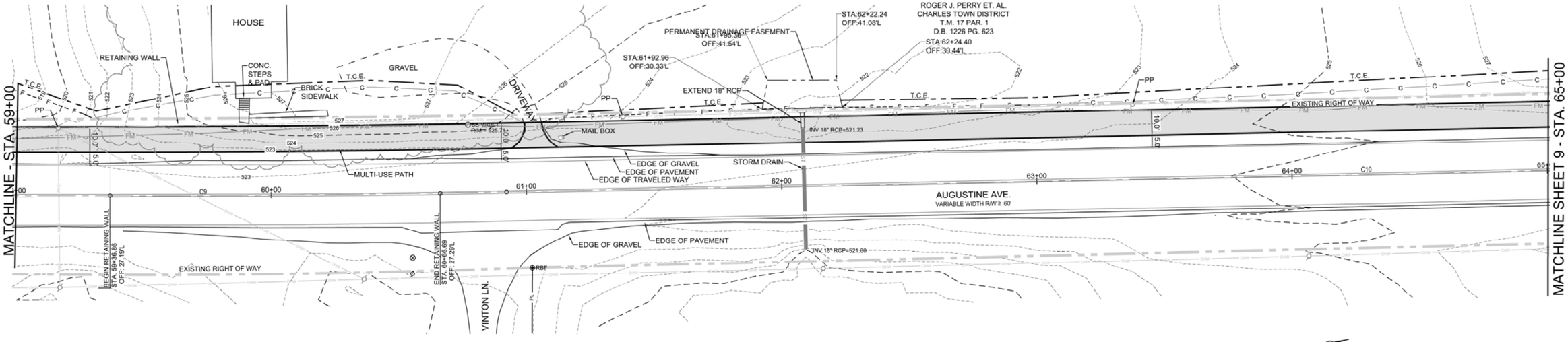
CURVE C7	
PI STA	53+80.17
Δ	0°14'58"
R	40000.00'
T	87.03'
L	174.06'
E	0.09'
S.E.	N/A

CURVE C8	
PI STA	57+31.26
Δ	1°08'37"
R	10000.00'
T	99.81'
L	199.62'
E	0.50'
S.E.	N/A

CURVE C9	
PI STA	60+03.35
Δ	1°16'24"
R	8000.00'
T	88.89'
L	177.78'
E	0.49'
S.E.	N/A

CURVE C10	
PI STA	64+53.39
Δ	0°26'45"
R	20000.00'
T	77.81'
L	155.63'
E	0.15'
S.E.	N/A

0 15 30 60 Feet
1:20
NAD83 WVSP NORTH ZONE (4701)



AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PT: 54+67.20	284482.0569	2429993.9766
PC: 56+31.45	284640.4933	2430037.2714
PT: 58+31.06	284833.5623	2430087.9647

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PC: 59+14.46	284914.4315	2430108.3376
PT: 60+92.24	285087.2904	2430149.8481
PC: 63+75.58	285363.5187	2430212.9440

0 15 30 60 Feet
1:20
NAD83 WVSP NORTH ZONE (4701)

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
GEOMETRIC LAYOUT 2

SUBMITTED: MAY 19, 2023

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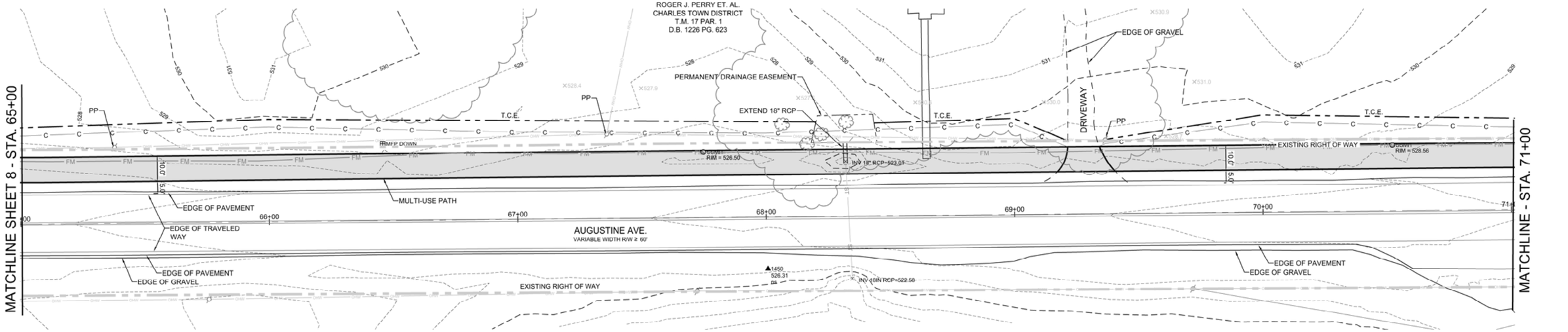
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	10	40



CURVE C11	
PI STA	71+55.17
Δ	0°08'39"
R	50000.00'
T	62.92'
L	125.85'
E	0.04'
S.E.	N/A

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PT: 65+31.20	285515.3702	2430247.0088
PC: 70+92.25	286063.2813	2430367.6844
PT: 72+18.09	286186.1468	2430394.9073

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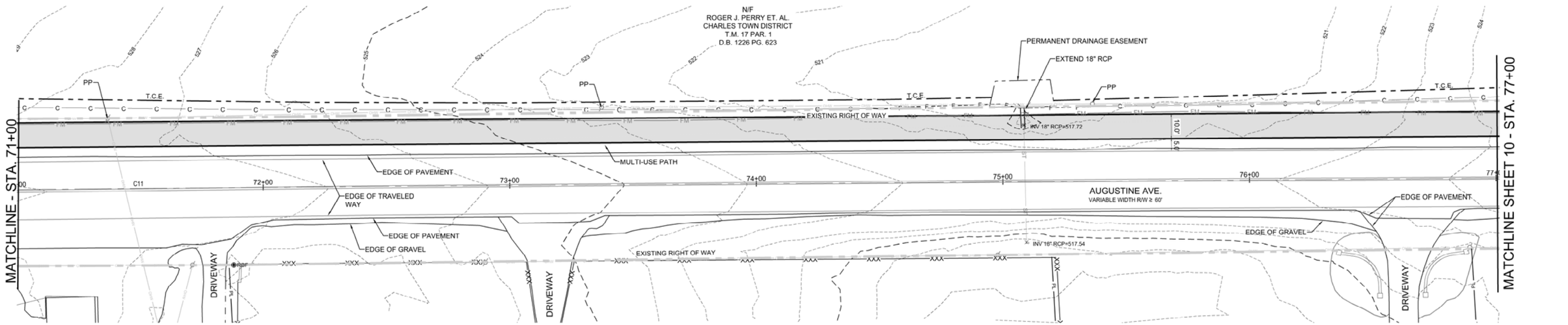
NAD83 WVSP NORTH ZONE (4701)



0 15 30 60 Feet
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NAD83 WVSP NORTH ZONE (4701)

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
GEOMETRIC LAYOUT 3

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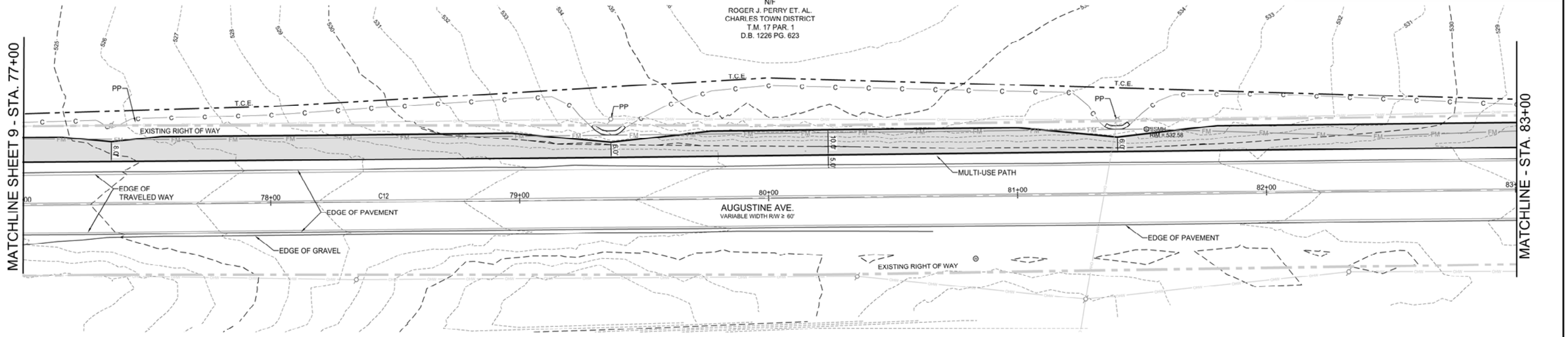
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	11	40

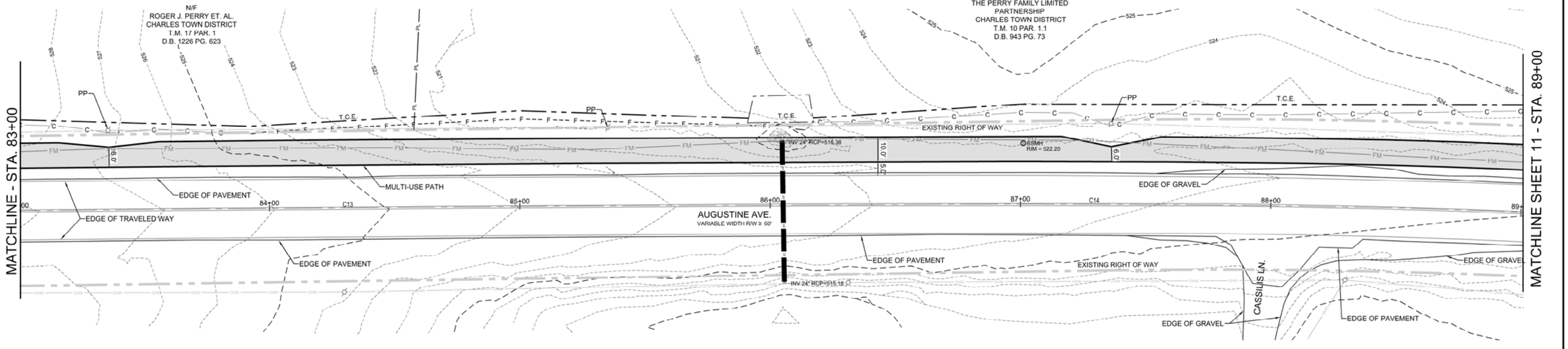


CURVE C12	
PI STA	78+56.61
Δ	0°11'05"
R	50000.00'
T	80.57'
L	161.13'
E	0.06'
S.E.	N/A

CURVE C13	
PI STA	84+46.11
Δ	0°21'52"
R	25000.00'
T	79.50'
L	159.00'
E	0.13'
S.E.	N/A

CURVE C14	
PI STA	87+28.73
Δ	0°52'19"
R	4000.00'
T	30.44'
L	60.87'
E	0.12'
S.E.	N/A

0 15 30 60 Feet
1:240
NAD83 WVSP NORTH ZONE (4701)



AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PC: 77+76.04	286730.7310	2430516.2881
PT: 79+37.17	286888.0584	2430551.0883
PC: 83+66.61	287307.5068	2430643.1601

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PT: 85+25.61	287462.6994	2430677.7436
PC: 86+98.30	287631.1347	2430715.8408
PT: 87+59.17	287690.4009	2430729.7206

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PC: 88+09.17	287738.9970	2430741.4923

0 15 30 60 Feet
1:20
NAD83 WVSP NORTH ZONE (4701)

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
GEOMETRIC LAYOUT 4

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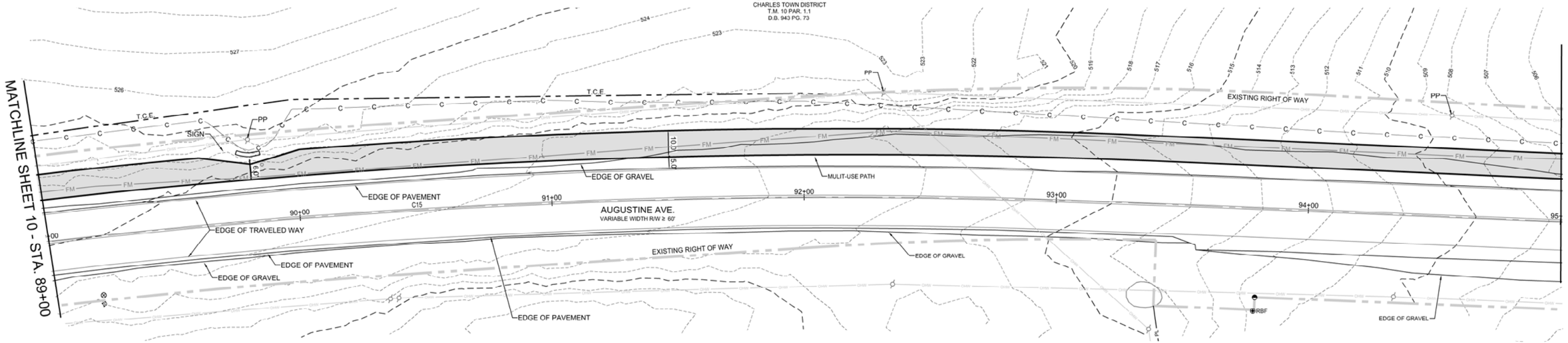
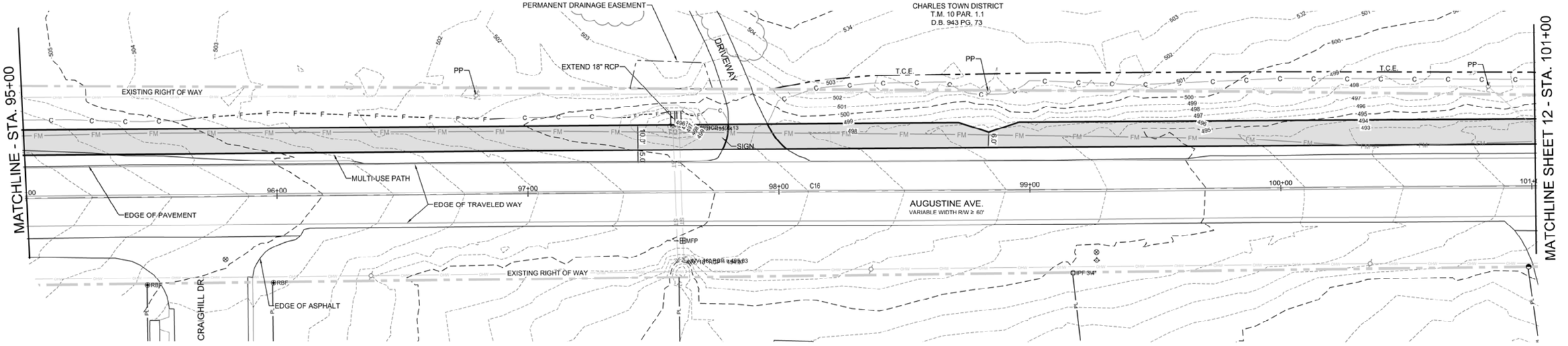
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	12	40



CURVE C15	
PI STA	90+73.74
Δ	10°54'06"
R	2772.59'
T	264.57'
L	527.54'
E	12.59'
S.E.	N/A

CURVE C16	
PI STA	98+11.18
Δ	0°04'14"
R	20000.00'
T	12.33'
L	24.66'
E	0.00'
S.E.	N/A

0 15 30 60 Feet
1:20
NAD83 WVSP NORTH ZONE (4701)



AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PT: 93+36.71	288236.8418	2430913.5712
PC: 97+98.85	288657.3124	2431105.3540
PT: 98+23.51	288679.7384	2431115.5996

0 15 30 60 Feet
1:20
NAD83 WVSP NORTH ZONE (4701)

SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
GEOMETRIC LAYOUT 5

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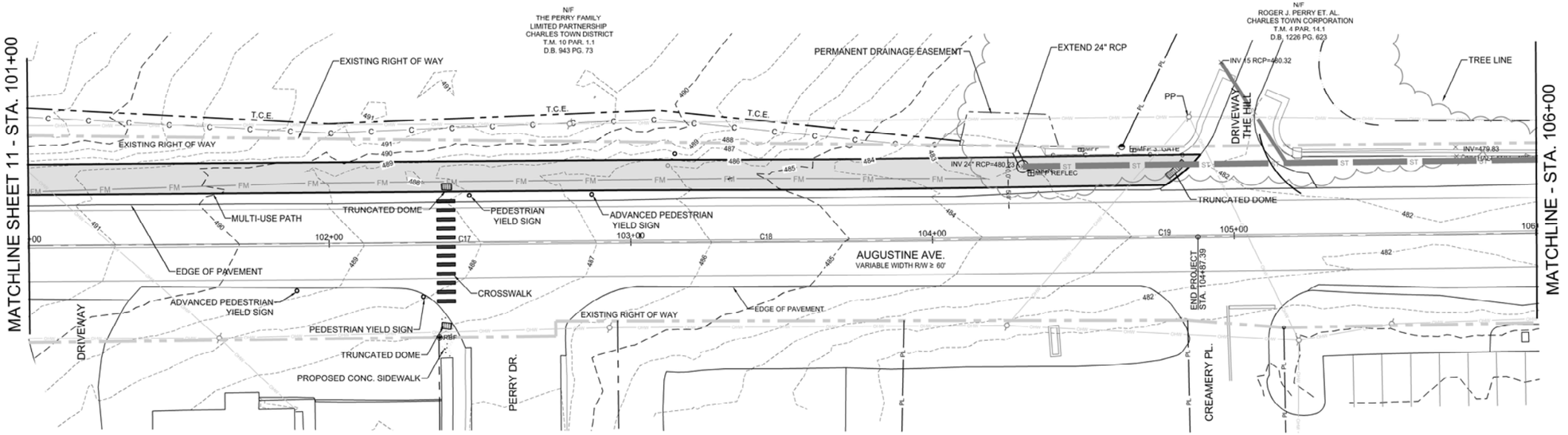
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	13	40



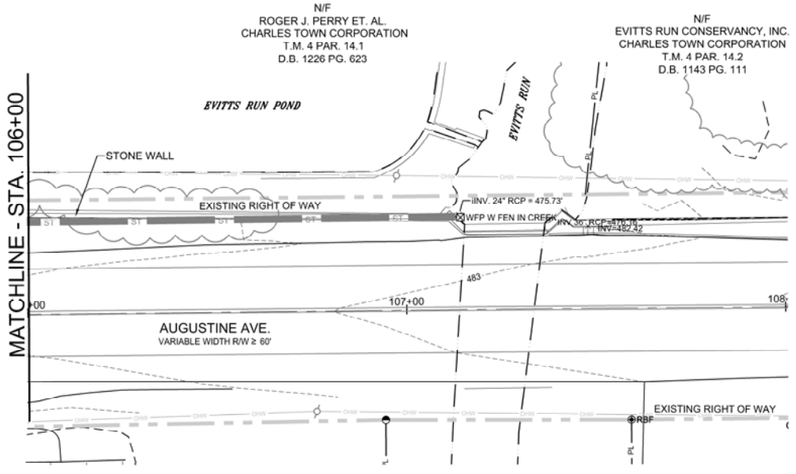
CURVE C17	
PI STA	102+48.00
Δ	0°14'58"
R	10000.00'
T	21.76'
L	43.52'
E	0.02'
S.E.	N/A

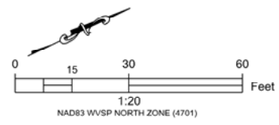
CURVE C18	
PI STA	103+65.34
Δ	0°41'44"
R	8000.00'
T	48.55'
L	97.10'
E	0.15'
S.E.	N/A

CURVE C19	
PI STA	105+79.65
Δ	0°27'57"
R	40000.00'
T	162.63'
L	325.26'
E	0.33'
S.E.	N/A

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PC: 102+26.24	289045.9491	2431283.1793
PT: 102+69.76	289085.4868	2431301.3761
PC: 103+16.79	289128.1625	2431321.1298

AUGUSTINE AVE.		
DESCRIPTION	NORTHING	EASTING
PT: 104+13.89	289216.5249	2431361.3816
PC: 104+17.02	289219.3810	2431362.6617
PT: 107+42.28	289515.6461	2431496.9037





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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
GEOMETRIC LAYOUT 6

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PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHAI RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	14	40

TEMPORARY TRAFFIC CONTROL PLAN

TEMPORARY TRAFFIC CONTROL NOTES

1. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH SECTION 636 OF THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS, ROADS AND BRIDGES, JANUARY 1, 2023, THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT, AND THE "MANUAL ON TEMPORARY TRAFFIC CONTROL FOR STREETS AND HIGHWAYS" 2006 EDITION, WHICH IS MADE PART OF THIS CONTRACT AND THE TRAFFIC PLAN FOR INDIVIDUAL SEGMENTS AS DESCRIBED BELOW:

2. REFLECTIVE SHEETING ON TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE OF NEW CONDITION AT THE BEGINNING OF THE PROJECT LIFE. THIS TO ENSURE THAT NIGHT VISIBILITY AND LEGIBILITY SHALL BE MAINTAINED.

3. WHEN COVERING EXISTING SIGNS THE CONTRACTOR HAS THE OPTION OF USING:
   - A. HEAVY DUTY BLACK OVERLAY (PLASTIC OR BURLAP TYPE)
   - B. THIN WOOD OVERLAY (E.G. PLYWOOD)
   - C. TAKING SIGNS DOWN AND REINSTALLING WHEN APPROPRIATE.
   - D. ANY DAMAGES CAUSED BY ABOVE-NAMED SHALL BE REPLACED/REPAIRED TO ORIGINAL CONDITION AT CONTRACTORS EXPENSE.
   - E. ALL ABOVE OPERATIONS SHALL BE BID INCIDENTAL TO ITEM 636011-001.

4. ACCESS TO ALL HOUSES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.

5. WORK ZONE SPEED LIMIT SIGNS (R2-1M; 25 MPH) SHALL BE INSTALLED FOR THIS PROJECT. THIS SIGN SHALL BE DUAL INSTALLED 500 FT. IN ADVANCE OF THE "SHOULDER CLOSED 1000 FT." SIGN. ANOTHER SIGN (R2-IM) SHALL BE INSTALLED 500 FT. AFTER THE BEGINNING OF THE FULL SHOULDER CLOSURE AND ONE EVERY 1/2 MILE FOR THE FULL LENGTH OF THE SHOULDER CLOSURE. ALL EXISTING SPEED LIMIT SIGNS WITHIN THIS CLOSURE SHALL BE COVERED. ALL WORK ZONE SPEED LIMIT SIGNS WITHIN THE CLOSURE SHALL BE MOUNTED ON THE RIGHT SIDE OF THE OPEN LANE.

6. EXISTING SIGNS
   ANY SUCH EXISTING FACILITIES MODIFIED, REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR AT HIS EXPENSE AND SUCH SHALL BE BID INCIDENTAL TO ITEM 636011-001.

7. NOTICE TO CONTRACTORS
   IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE TRAFFIC CONTROL WITH ANY ADJACENT CONSTRUCTION PROJECT. THIS COORDINATION SHALL BE DONE SO THAT ANY CLOSURE SHALL NOT CONFLICT WITH ANY OTHER CLOSURE. THIS PLAN OF COORDINATION SHALL BE PRESENTED TO THE ENGINEER IN WRITING FOR HIS APPROVAL.

8. MOVING FLAGGER SPECIAL PROVISIONS
   ALL FLAGGERS SHALL BE FURNISHED BY THE CONTRACTOR AND ALL FLAGGING SHALL BE HIS RESPONSIBILITY. WHERE A MOVING FLAGGER IS NOTED OR CALLED FOR, TWO FLAGGERS SHALL BE PROVIDED AT EACH END OF THE AREAS WHERE TRAFFIC IS BEING STOPPED. ONE FLAGGER IS TO BE POSITIONED IN ACCORDANCE WITH THE MANUAL, WHILE THE OTHER FLAGGER IS TO CONTINUALLY MOVE WITH STOPPING TRAFFIC. TWO-WAY RADIOS SHALL BE PROVIDED TO THE FLAGGERS WHEN THEY ARE OUT OF SIGHT OF EACH OTHER.

9. CHANGEABLE MESSAGE SIGNS
   THE CHANGEABLE MESSAGE SIGNS USED ON THIS PROJECT SHALL CONFORM TO SUBSECTION 636.19 OF THE CURRENT SPECIFICATIONS, CURRENT SUPPLEMENTAL SPECIFICATIONS, AND THE SPECIAL PROVISIONS WHICH ARE MADE A PART OF THESE PLANS. THESE SIGNS SHALL BE MANUFACTURED BY ADDCO, WINKOMATIC, OR AN APPROVED EQUAL. TWO CHANGEABLE MESSAGE SIGNS HAVE BEEN INCLUDED FOR THIS PROJECT. LOCATIONS AND NEED FOR USE TO BE DETERMINED BY THE CONTRACTOR. THEY WILL HAVE LEAD-INS 10 DAYS PRIOR TO BEGIN OF WORK FOR BOTH DIRECTIONS OR AS DIRECTED BY THE ENGINEER.

10. A ATSSA CERTIFIED OR EQUIVALENT TRAFFIC PERSON SHALL BE PROVIDED AT ALL TIMES WHEN WORKERS ARE PRESENT IN THE WORK ZONE AND AS DIRECTED BY THE ENGINEER.

11. USE CASE A3 OR APPLICABLE FOR SIDEWALK CONSTRUCTION AND TO INSTALL PERMANENT SIGNING AND PAVEMENT MARKINGS.

12. TYPE B LIGHTS SHALL BE INSTALLED ON ALL LEAD-IN SIGNING. ANY ADDITIONAL LIGHTS NEEDED SHALL BE AT THE DISCRETION OF THE PROJECT ENGINEER. THESE LIGHTS SHALL BE BID AS ITEM NUMBER 636025-001, WARNING LIGHTS, TYPE B.

SEQUENCE OF CONSTRUCTION

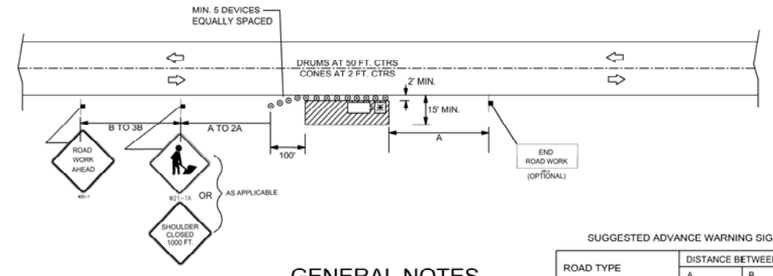
1. BEGIN GRADING IN AREAS OF PROPOSED WORK. DISPOSE OF WASTE MATERIAL PER SPECIFICATIONS. MILL EDGE OF EXISTING PAVEMENT SURFACE PER TYPICAL SECTION.
2. INSTALL RETAINING WALLS AT NOTED LOCATIONS ON PLANS.
3. INSTALL EXTENDED PIPES AND HEADWALLS.
4. INSTALL SEPARATION FABRIC, BEDDING STONE FOR SIDEWALKS AND AGGREGATE BASE FOR DRIVEWAY PADS.
5. CONSTRUCT ASPHALT SIDEWALKS, CURB RAMPS, AND DETECTABLE WARNING SURFACES.
6. REPLACE ASPHALT PAVEMENT IN AREAS THAT WERE MILLED PER TYPICAL SECTION.
7. SEED AND MULCH DISTURBED AREAS.
8. CLEAN UP SITE PRIOR TO DE-MOBILIZATION.

TEMPORARY TRAFFIC CONTROL DEVICE QUANTITY TABLE

DEVICE #	DESCRIPTION	VALUE IN UNITS EACH TRAFFIC CONTROL DEVICE	QUANTITIES	TOTAL UNITS
1	SIGNS ON PORTABLE MOUNTS AND BARRICADES (TOTAL SIGN AREA 16 SQ. FT. OR GREATER)	170	0	0
2	SIGNS ON PORTABLE MOUNTS AND BARRICADES (TOTAL SIGN AREA LESS THAN 16 SQ. FT.)	80	0	0
3	SIGNS ON PERMANENT POSTS (TOTAL SIGN AREA 16 SQ. FT. OR GREATER)	180	10	1800
4	SIGNS ON PERMANENT POSTS (TOTAL SIGN AREA LESS THAN 16 SQ. FT.)	90	0	0
5	BARRICADES-TYPE I	35	0	0
6	BARRICADES-TYPE II	60	0	0
7	BARRICADES-TYPE III	90	0	0
8	DRUMS	60	226	13560
9	CONES	5	0	0
10	VERTICAL PANEL OR GROUND MOUNTED DELINEATORS	10	0	0
11	BARRIER OR GUARDRAIL MOUNTED DELINEATORS (BID INCIDENTAL TO BARRIER OR GUARDRAIL)	0	0	0
12	CHANNELIZER CONES	40	0	0
13	OVERSIZE SIGNS	300	0	0
			TOTAL	15360

TRAFFIC CONTROL SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY UNIT	QUANTITY TOTAL
636011-001	TRAFFIC CONTROL DEVICE	UNIT	7440
636014-001	FLAGGER	HOUR	0
636022-001	CHANGEABLE MESSAGE SIGN	DAY	380
636025-001	WARNING LIGHTS, TYPE A	DAY	0
636025-001	WARNING LIGHTS, TYPE B	DAY	720



SYMBOLS

- WORK AREA
- SIGN
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- CHANNELIZATION DEVICES (DRUMS OR CONES)

TYPICAL APPLICATIONS

CULVERT EXTENSIONS
SIDE SLOPE CHANGES
GUARDRAIL INSTALLATION AND MAINTENANCE
DELINEATOR INSTALLATION AND MAINTENANCE
LANDSCAPING OPERATIONS
CLEANING DITCHES AND DRAINAGE STRUCTURES
SHOULDER REPAIR
ADJACENT WORK ON SIDE ROADS/BRIDGES
SIGNING OPERATIONS

GENERAL NOTES

1. OVERNIGHT OPERATIONS ILLUSTRATED AND IF SUCH, USE DRUMS. FOR DAYLIGHT OPERATIONS ONLY, USE CONES OR DRUMS AS DIRECTED BY THE ENGINEER.
2. ANY UNATTENDED OBSTACLE OR EXCAVATION IN THE WORK AREA OVERNIGHT SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES.
3. IF THE WORK OPERATION REQUIRES THAT FOUR OR MORE WORK VEHICLES ENTER THE THROUGH TRAFFIC LANES IN A ONE HOUR PERIOD A FLAGGER SHALL BE PROVIDED AND THE FLAGGER SIGN SHALL BE USED (AT 500 FT. IN ADVANCE).
4. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
5. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE ABOVE WARNING SIGNS, AS NEEDED ON THE PLANS, AND/OR AS DIRECTED BY THE ENGINEER.

* WORK VEHICLE (IF USED) SHALL HAVE DUAL FLASHERS AND FLASHING AMBER DOME LIGHT OPERATING.

SUGGESTED ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS (IN FT) A	B	C
URBAN (LOW SPEED)*	100	100	100
URBAN (HIGH SPEED)*	350	350	350
RURAL	500	500	500
EXPRESSWAY/FREEWAY	1,000	1,500	2,640

*SPEED CATEGORY TO BE DETERMINED BY WVDOH

CASE A3

TWO-LANE, TWO-WAY TRAFFIC
DAY OR NIGHT OPERATIONS.
(STATIONARY)

WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH ON THE AREA BETWEEN 2 FT. AND 15 FT. FROM THE EDGE OF PAVEMENT.

SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
209 PRAIRIE AVENUE
MORGANTOWN, WV 26501
PHONE/FAX: 304-296-8216
TOLL FREE: 800-640-8216
www.thinkALPHAfirst.com

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
MAINTENANCE OF TRAFFIC

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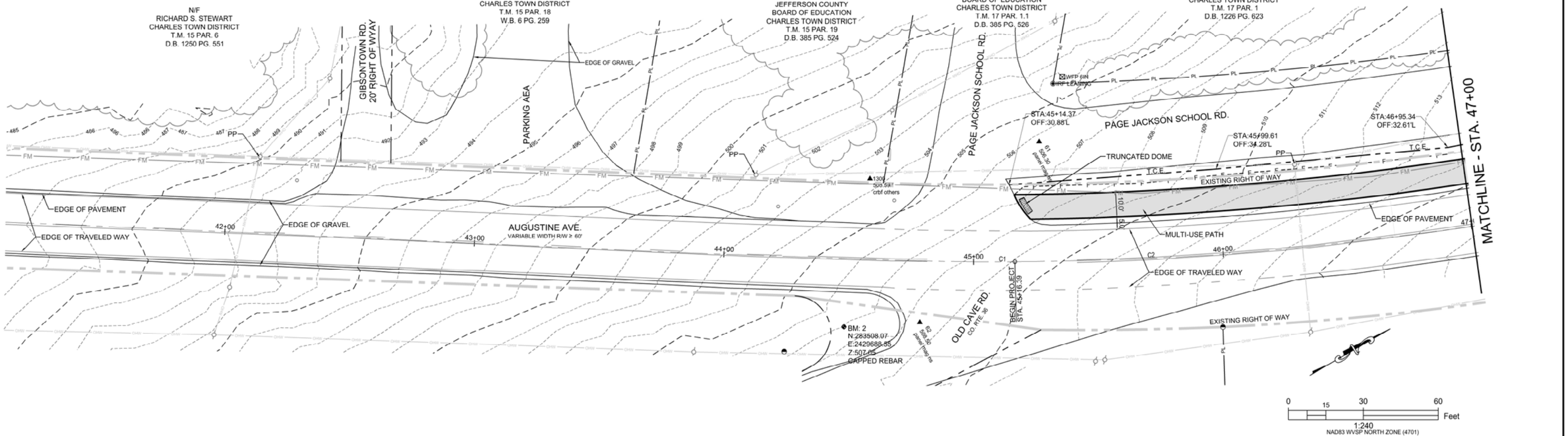
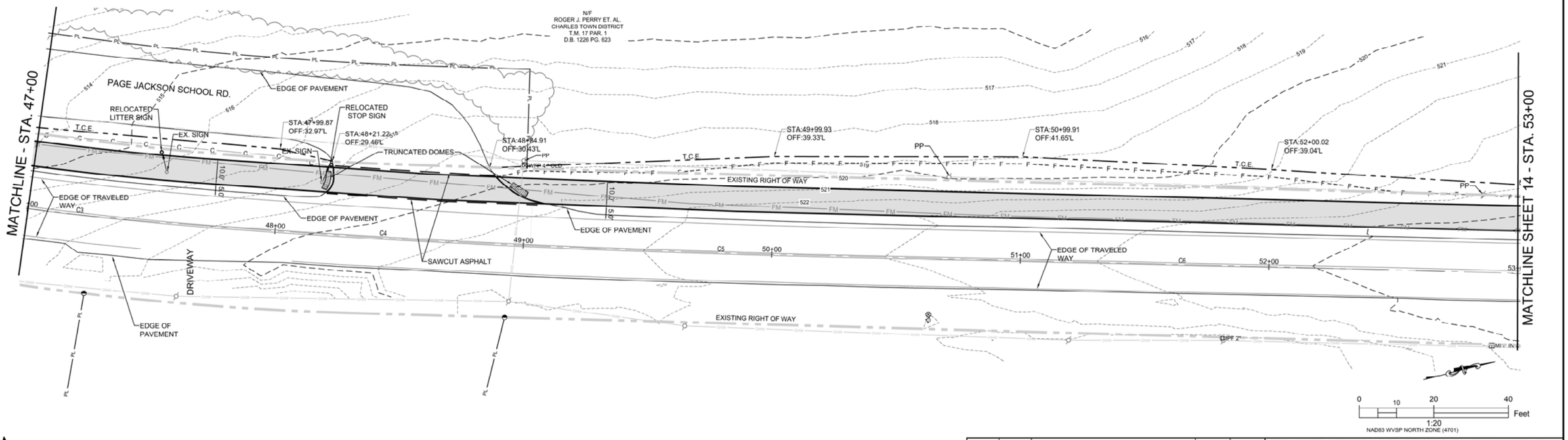
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	15	40





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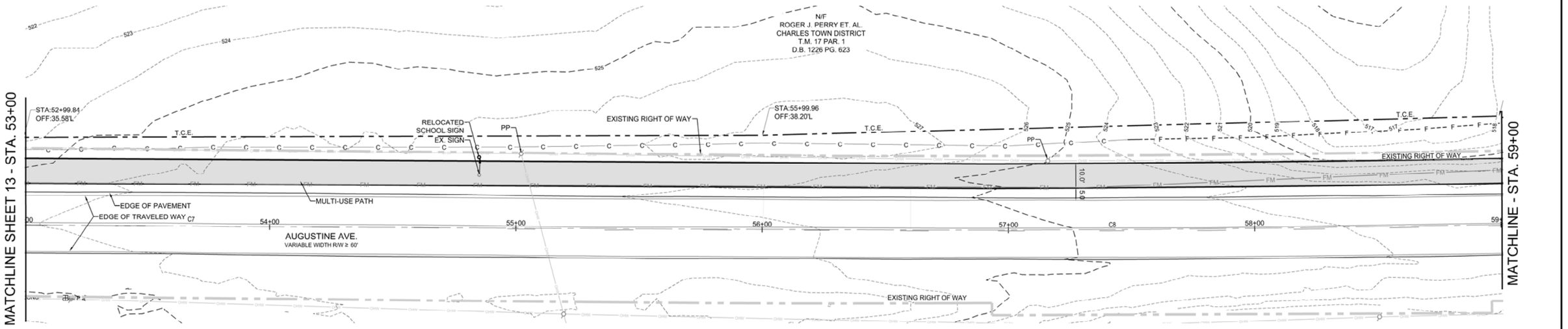
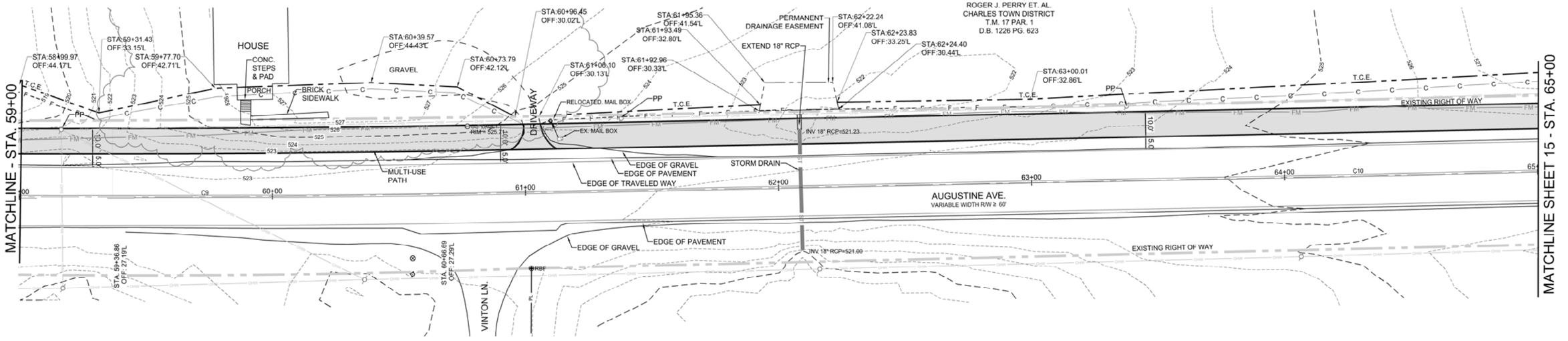
REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
PLAN VIEW 1

Z:\Projects\2022_Jobs\220506100\Drawings\Civil\Current\Construction\PLAN VIEW 1 - PHASE 1.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	16	40





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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
PLAN VIEW 2

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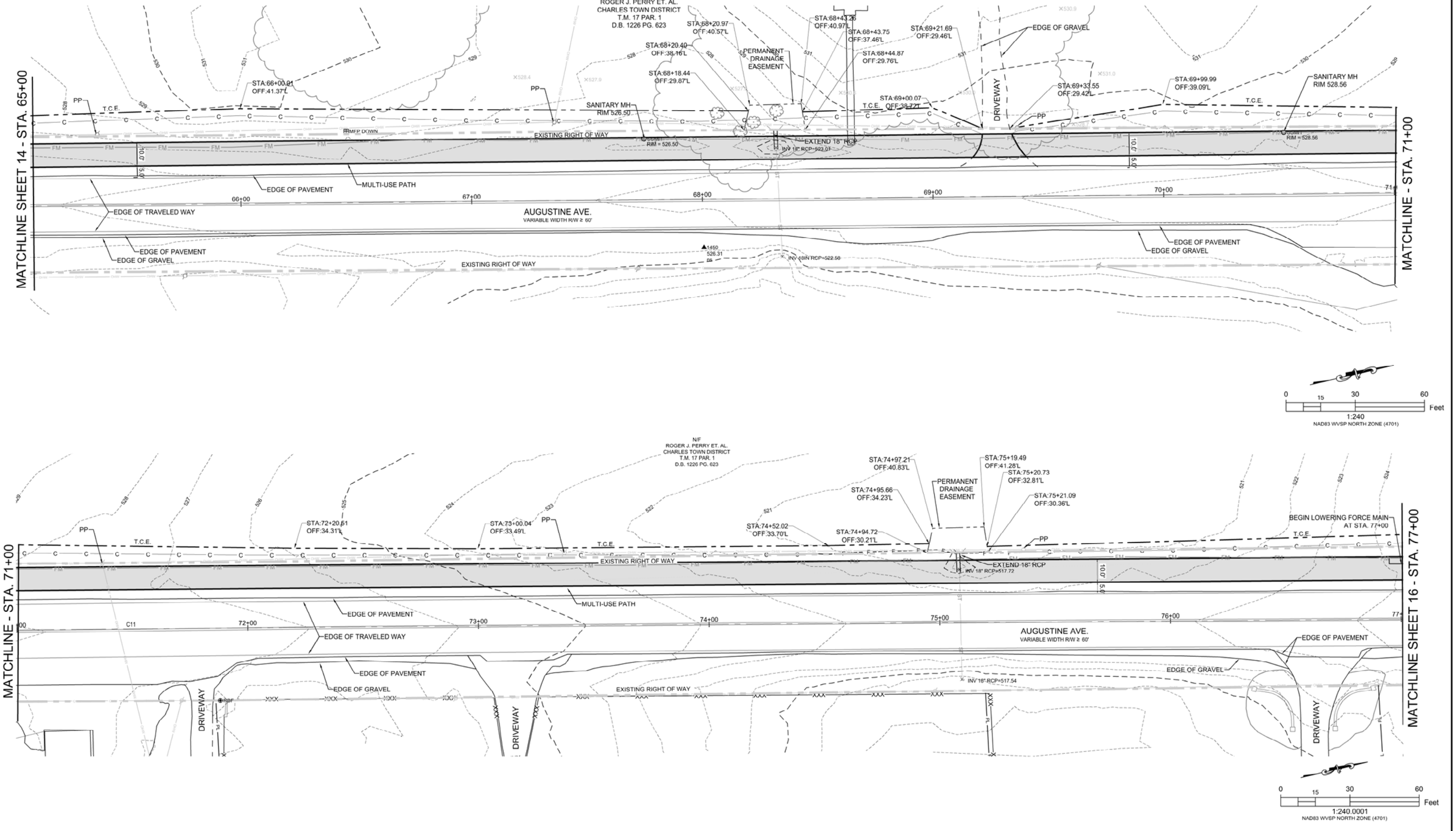
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	17	40



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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
PLAN VIEW 3

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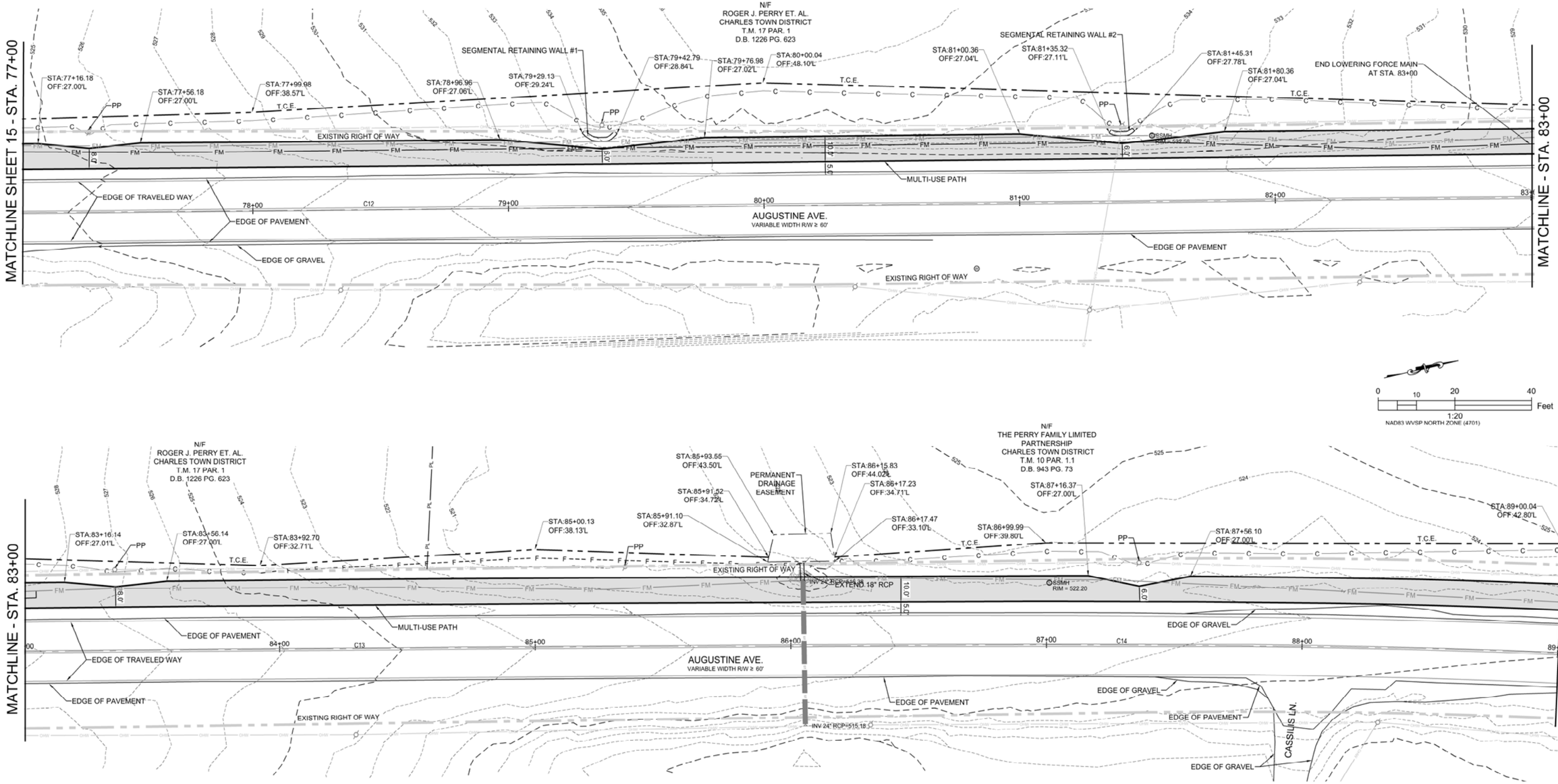
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	18	40



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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
PLAN VIEW 4

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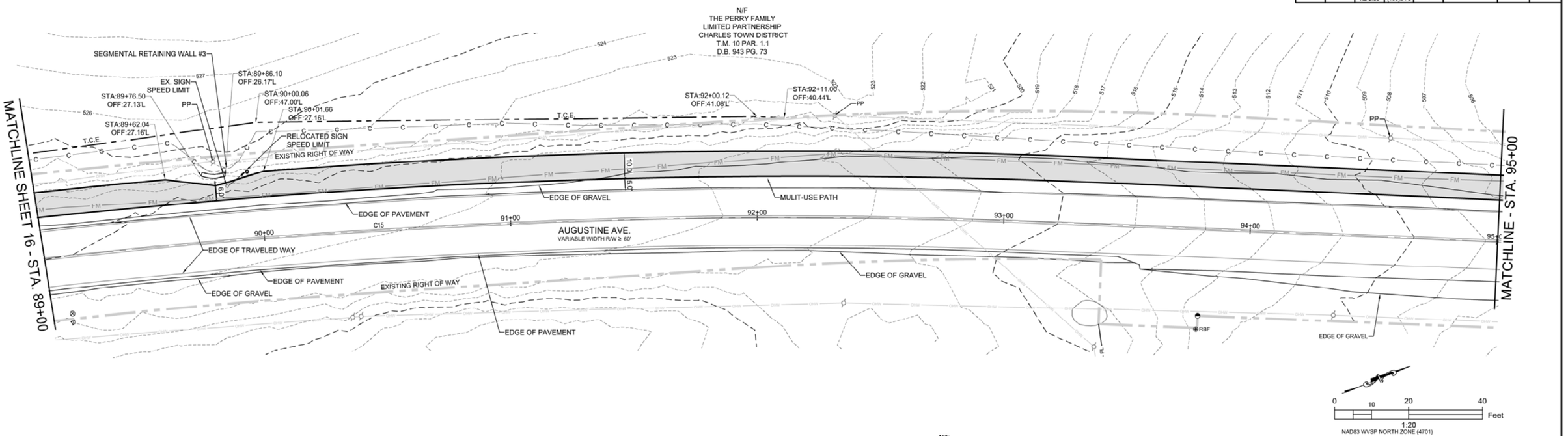
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	19	40



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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
PLAN VIEW 5

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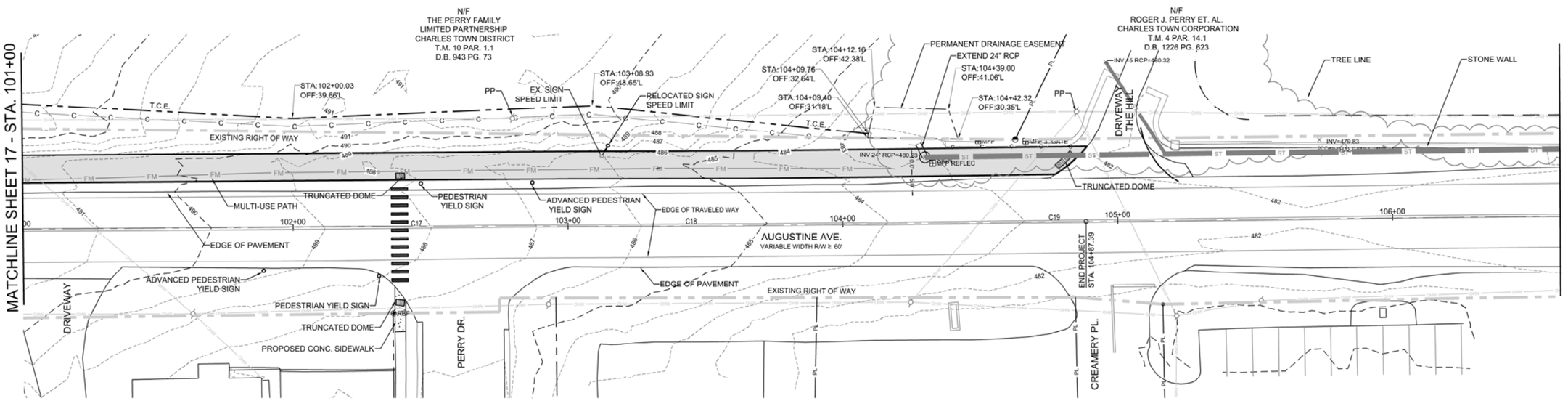
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	20	40



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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
PLAN VIEW 6

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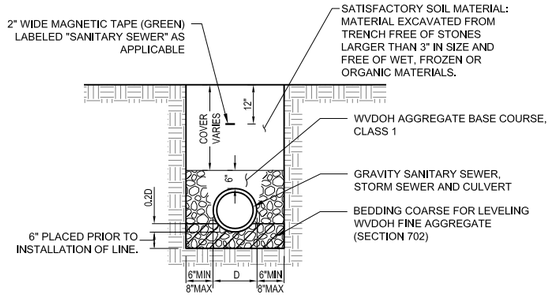
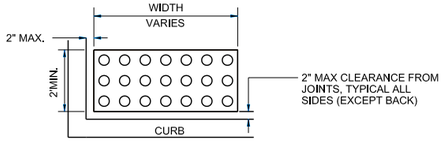
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	21	40



TRENCH DETAIL FOR GRAVITY SANITARY SEWER, STORM SEWER + CULVERT

NOT TO SCALE



DETECTABLE WARNING SURFACE (DWS)

NOT TO SCALE

NOTES

DETECTABLE WARNING SURFACES (DWS'S) SHALL ONLY BE PURCHASED FROM VENDORS ON THE WEST VIRGINIA DIVISION OF HIGHWAYS APPROVED VENDOR LIST 609.2 - DETECTABLE WARNING SURFACES.

DESIGN AND PLACEMENT OF DETECTABLE WARNING SURFACE (DWS) SHALL BE IN ACCORDANCE WITH SECTION 609 OF THE CURRENT WVDOT, DOH STANDARD SPECIFICATIONS ROADS AND BRIDGES AND SUBSEQUENT DOH SUPPLEMENTAL SPECIFICATIONS AND THE PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG) DATED JULY 26, 2011.

DETECTABLE WARNING SURFACES SHALL EXTEND ACROSS THE FULL WIDTH OF THE CURB RAMP THRESHOLD WHERE THE CURB IS FLUSH WITH THE ROADWAY AND SHALL BE PLACED AT THE BACK OF THE CURB WITH A 0" MINIMUM, 2" MAXIMUM BORDER DIMENSION FROM JOINTS ON EACH SIDE OF THE DWS, WHERE THE BACK OF THE CURB EDGE IS TOOLED TO PROVIDE A RADIUS, THE BORDER DIMENSION SHOULD BE MEASURED FROM THE END OF THE RADIUS.

DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET, OR HIGHWAY. EITHER LIGHT ON DARK OR DARK ON LIGHT.

A WET OR PLASTIC SET-IN-PLACE DETECTABLE WARNING SURFACE (DWS) SHALL BE INSTALLED AT THE TIME OF THE PLACEMENT OF THE CURB RAMP, WHILE THE CONCRETE IS STILL PLASTIC.

MOLD-IN-PLACE CONCRETE DOMES, BRICK PAVERS, OR IRON OR STEEL WARNING SYSTEMS SHALL NOT BE USED.

SET-IN-PLACE DWS SHALL BE USED IN NEW CONSTRUCTION. SURFACE MOUNTED DWS ARE NOT PERMITTED.

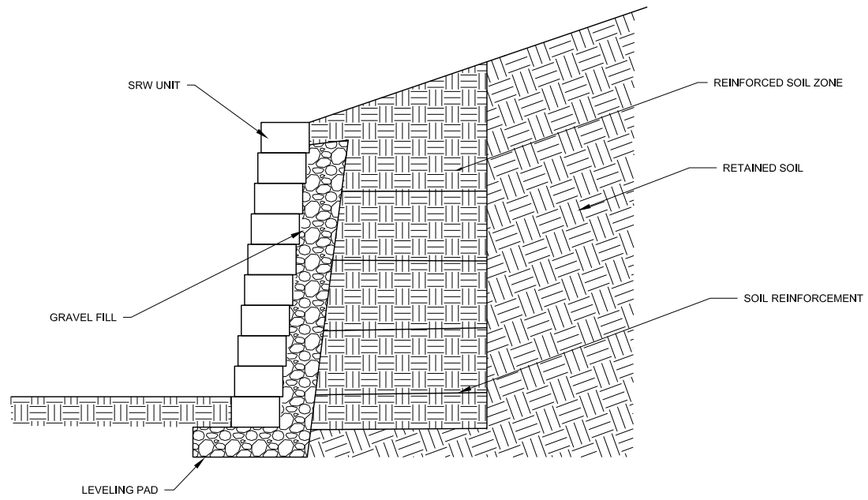
CONCRETE SHALL BE EDGED AROUND THE DWS AT TIME OF PLACEMENT.

A SINGLE DWS PANEL SHALL BE USED WITH CURB RAMP WIDTHS OF 5' OR LESS.

ANY CUTTING OF DWS DURING INSTALLATION SHALL BE APPROVED BY PROJECT ENGINEER.

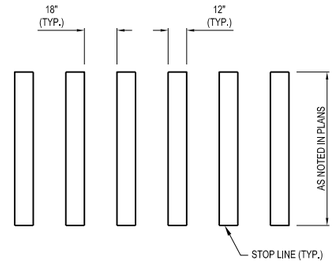
IF DWS IS CUT TO CONFORM TO A SPECIFIC SHAPE OF RAMP AND ANCHORING DEVICES BECOME PART OF THE WASTE, THEN ANCHOR WILL BE REMOVED AND REATTACHED INTO THE DWS AT THE ORIGINAL EDGE OFFSET AS PER MANUFACTURER.

ALL DOWEL BARS SHALL BE EPOXY COATED IN ACCORDANCE WITH SECTION 709.1 OF THE CURRENT WVDOH STANDARD SPECIFICATIONS ROADS AND BRIDGES.



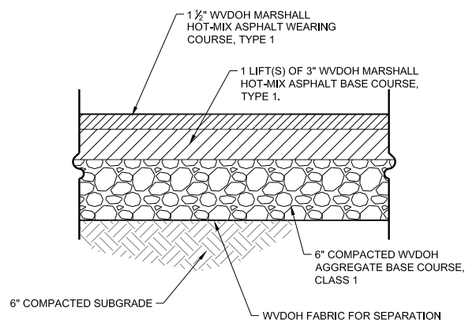
SEGMENTAL RETAINING WALL DETAIL

NOT TO SCALE



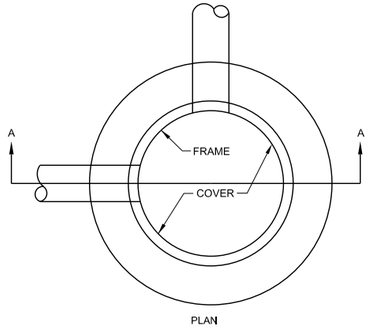
CROSS WALK DETAIL

NOT TO SCALE



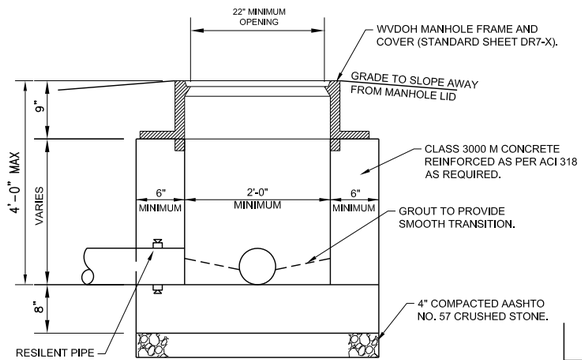
TRAIL SECTION

NOT TO SCALE



SECTION B-B

NTS



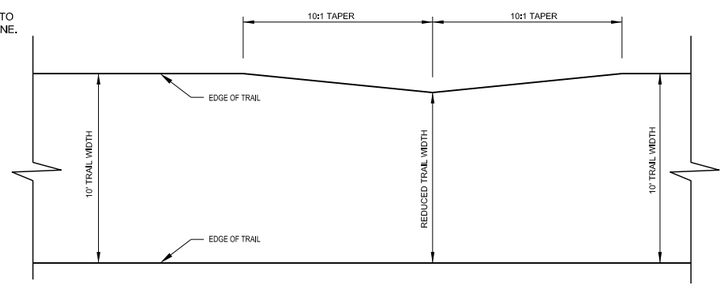
SECTION A-A

NTS

TYPICAL SHALLOW MANHOLE DETAIL

NOT TO SCALE

"SHALLOW MANHOLE" PER EACH SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL EARTHWORK, AASHTO NO. 57 CRUSHED STONE, SHALLOW MANHOLE, WATER TIGHT CONNECTION(S), GROUT, FRAME, AND COVER.



TRAIL TAPER DETAIL

NOT TO SCALE

SUBMITTED: MAY 19, 2023

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ALPHA PROJECT: 2205061

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
DETAILS

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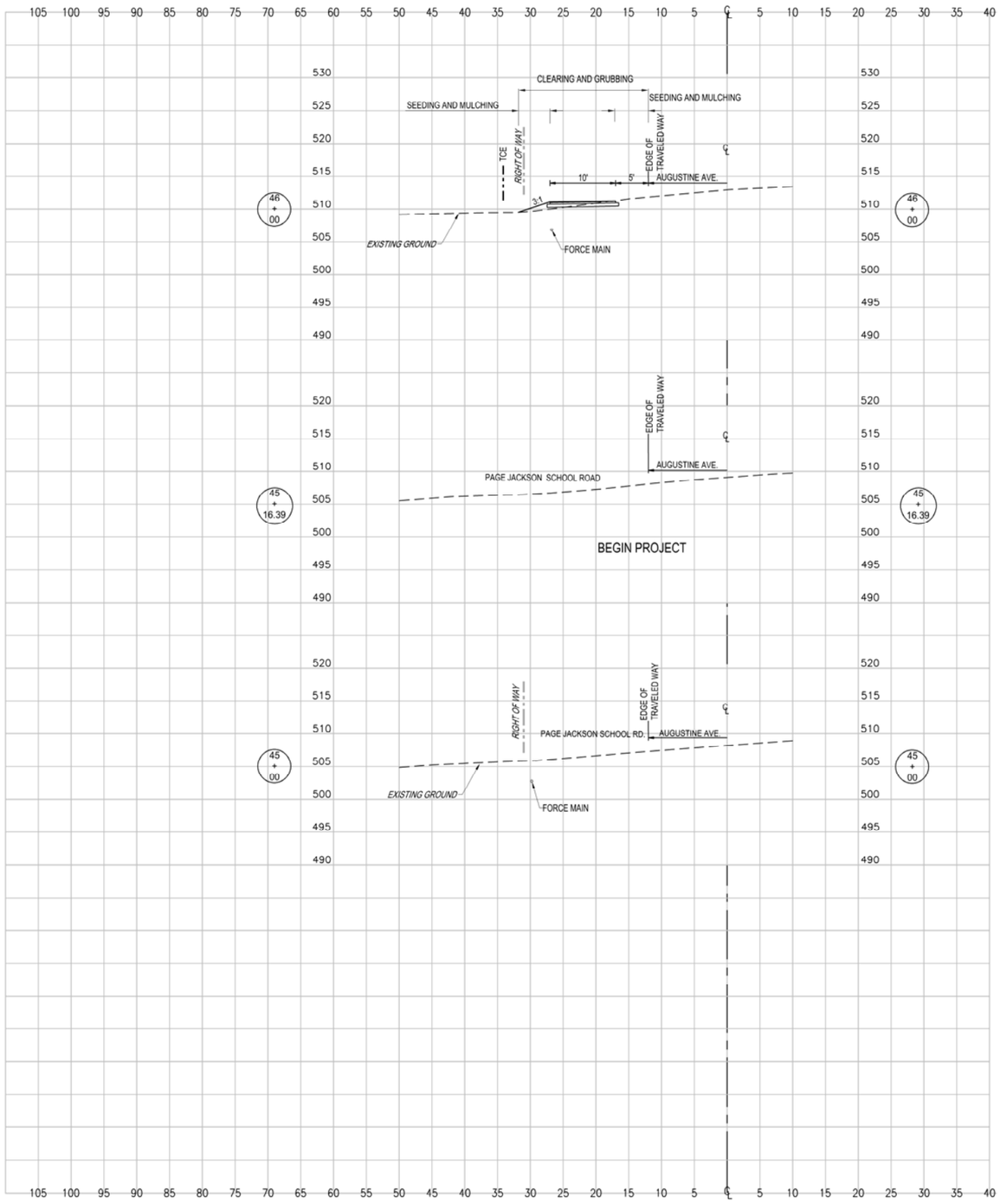
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	22	40



STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
46+00.00		9.92		19.78		3.55		0.00		2.92		0.00	
	83.61		414.71		826.90		5.50		0.00		4.52		0.00
45+16.39		0.00		0.00		0.00		0.00		0.00		0.00	

PROFILE
VERT. 10 ft.
HOR. 10 ft.

SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 1

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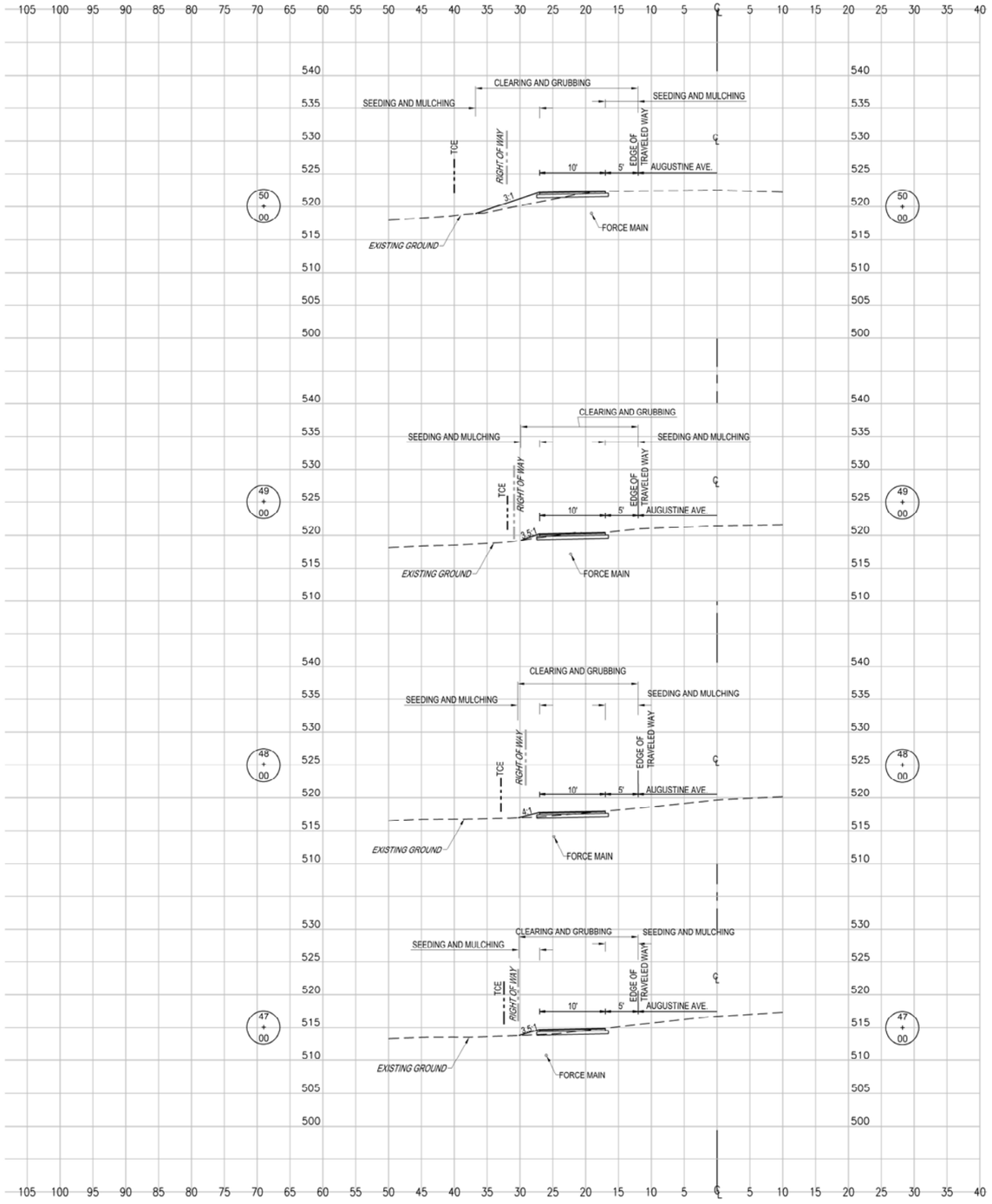
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	23	40

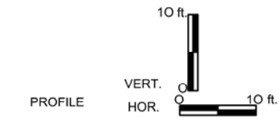


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
50+00.00		14.74		24.72		3.56		0.00		8.85		0.00	
	100.00		1131.00		2132.50		20.63		0.00		17.70		0.00
49+00.00		7.88		17.93		7.58		0.00		0.71		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
49+00.00		7.88		17.93		7.58		0.00		0.71		0.00	
	100.00		811.50		1813.50		24.37		0.00		2.54		0.00
48+00.00		8.35		18.34		5.58		0.00		0.66		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
48+00.00		8.35		18.34		5.58		0.00		0.99		0.00	
	100.00		826.00		1825.50		18.46		0.00		3.43		0.00
47+00.00		8.17		18.17		4.39		0.00		0.86		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
47+00.00		8.17		18.17		4.39		0.00		0.86		0.00	
	100.00		904.50		1897.50		14.70		0.00		7.00		0.00
46+00.00		9.92		19.78		3.55		0.00		2.92		0.00	



SUBMITTED: MAY 19, 2023

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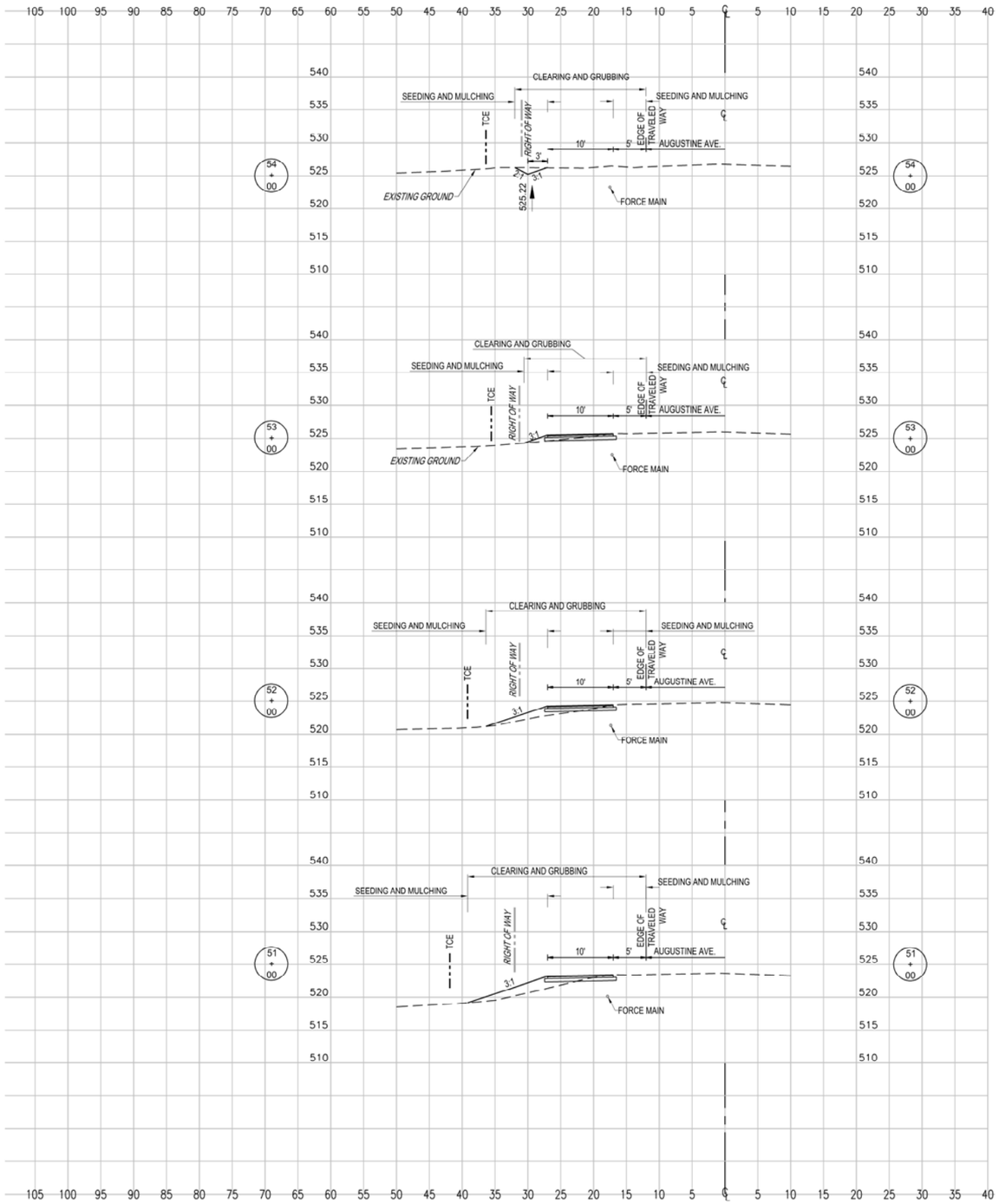
REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 2

Z:\Projects\2022_Jobs\220506100\Drawings\Civil\Current\Construction\Cross Section 2 - PHASE 1.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	24	40

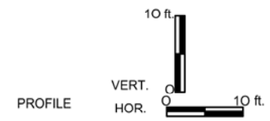


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
54+00.00		9.98		19.94		10.45		0.00		0.00		0.00	
	100.00		929.00		1928.00		27.07		0.00		2.46		0.00
53+00.00		8.60		18.62		4.17		0.00		1.33		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
53+00.00		8.60		18.62		4.17		0.00		1.33		0.00	
	100.00		1149.50		2149.00		12.17		0.00		17.63		0.00
52+00.00		14.39		24.36		2.40		0.00		8.19		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
52+00.00		14.39		24.36		2.40		0.00		8.19		0.00	
	100.00		1578.50		2426.00		10.13		0.00		43.44		0.00
51+00.00		17.18		24.16		3.07		0.00		15.27		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
51+00.00		17.18		24.16		3.07		0.00		15.27		0.00	
	100.00		1596.00		2444.00		12.28		0.00		44.67		0.00
50+00.00		14.74		24.72		3.56		0.00		8.85		0.00	



PROFILE

SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
209 PRAIRIE AVENUE
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PHONE/FAX: 304-296-8216
TOLL FREE: 800-640-8216
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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 3

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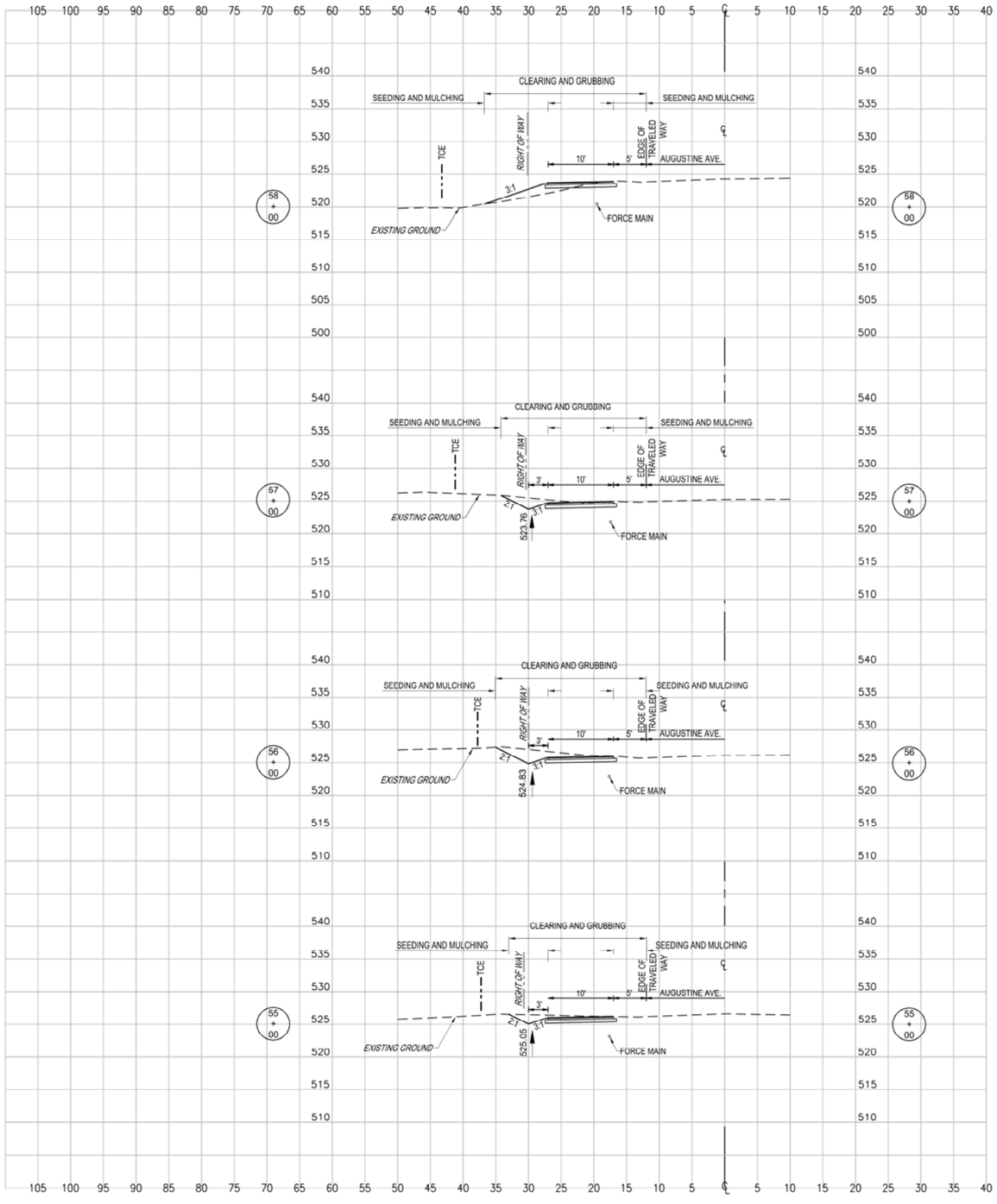
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	25	40

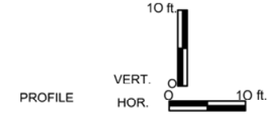


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
58+00.00		14.77		24.75		3.53		0.00		9.47		0.00	
	100.00		1350.00		2347.50		36.76		0.00		17.54		0.00
57+00.00		12.23		22.20		16.32		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
57+00.00		12.23		22.20		16.32		0.00		0.00		0.00	
	100.00		1265.00		2261.50		73.35		0.00		0.00		0.00
56+00.00		13.07		23.03		23.29		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
56+00.00		13.07		23.03		23.29		0.00		0.00		0.00	
	100.00		1204.50		2204.50		72.22		0.00		0.00		0.00
55+00.00		11.02		21.06		15.71		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
55+00.00		11.02		21.06		15.71		0.00		0.00		0.00	
	100.00		1050.00		2050.00		48.44		0.00		0.00		0.00
54+00.00		9.98		19.94		10.45		0.00		0.00		0.00	



SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
209 PRAIRIE AVENUE
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PHONE/FAX: 304-296-8216
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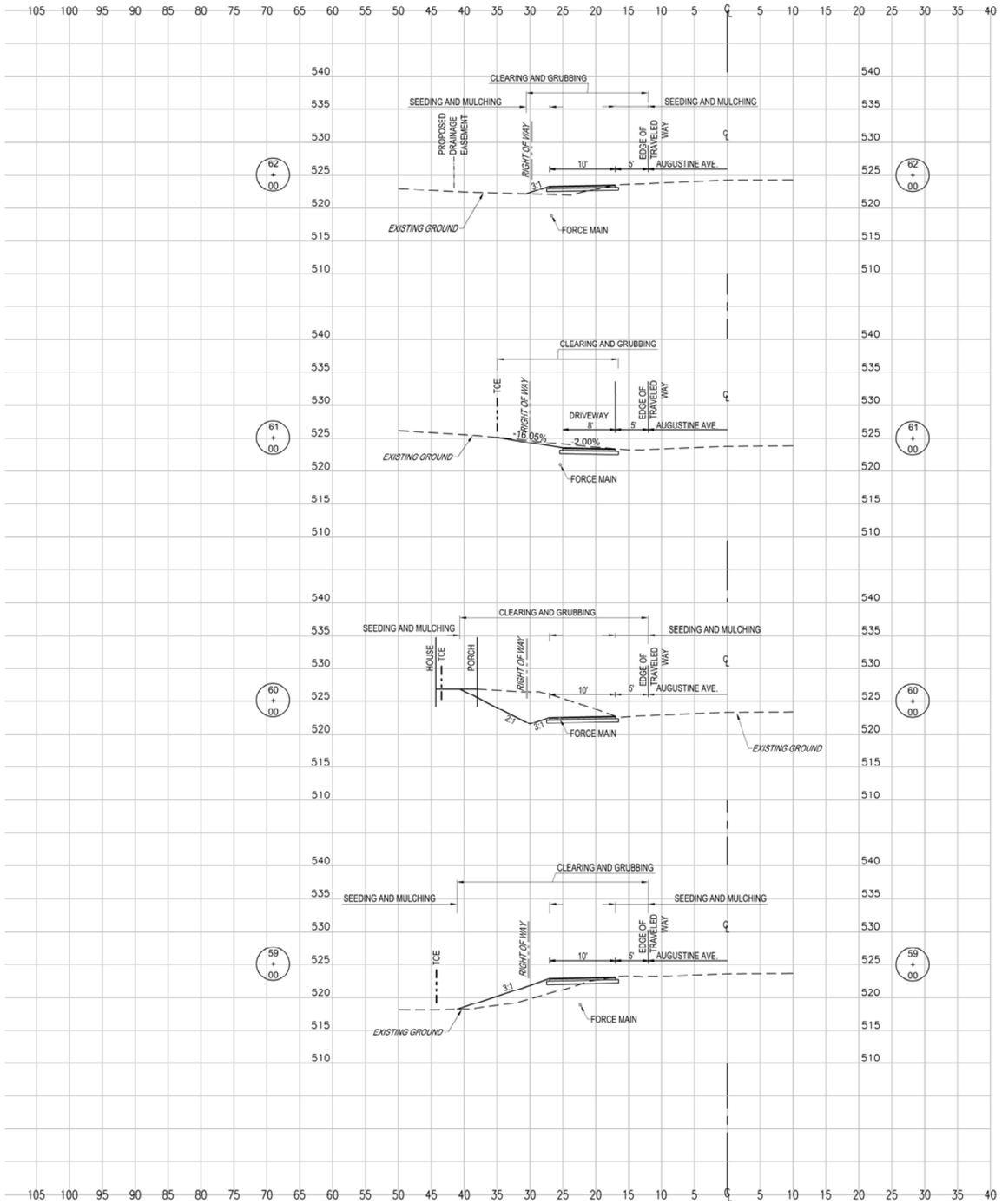
REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 4

Z:\Projects\2022_Jobs\220506100\Drawings\Civil\Current\Construction\Cross Section 4 - PHASE 1.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	26	40

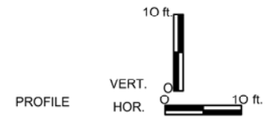


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
62+00.00		8.55		18.52		2.07		0.00		4.29		0.00	
	100.00		427.50		1845.50		27.26		0.00		7.94		0.00
61+00.00		0.00		18.39		12.65		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
61+00.00		0.00		18.39		12.65		0.00		0.00		0.00	
	100.00		932.00		2351.00		146.35		0.00		0.00		0.00
60+00.00		18.64		28.63		66.38		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
60+00.00		18.64		28.63		66.38		0.00		0.00		0.00	
	100.00		1886.50		2885.00		128.26		0.00		43.57		0.00
59+00.00		19.09		29.07		2.88		0.00		23.53		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
59+00.00		19.09		29.07		2.88		0.00		23.53		0.00	
	100.00		1693.00		2691.00		11.87		0.00		61.11		0.00
58+00.00		14.77		24.75		3.53		0.00		9.47		0.00	



SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 5

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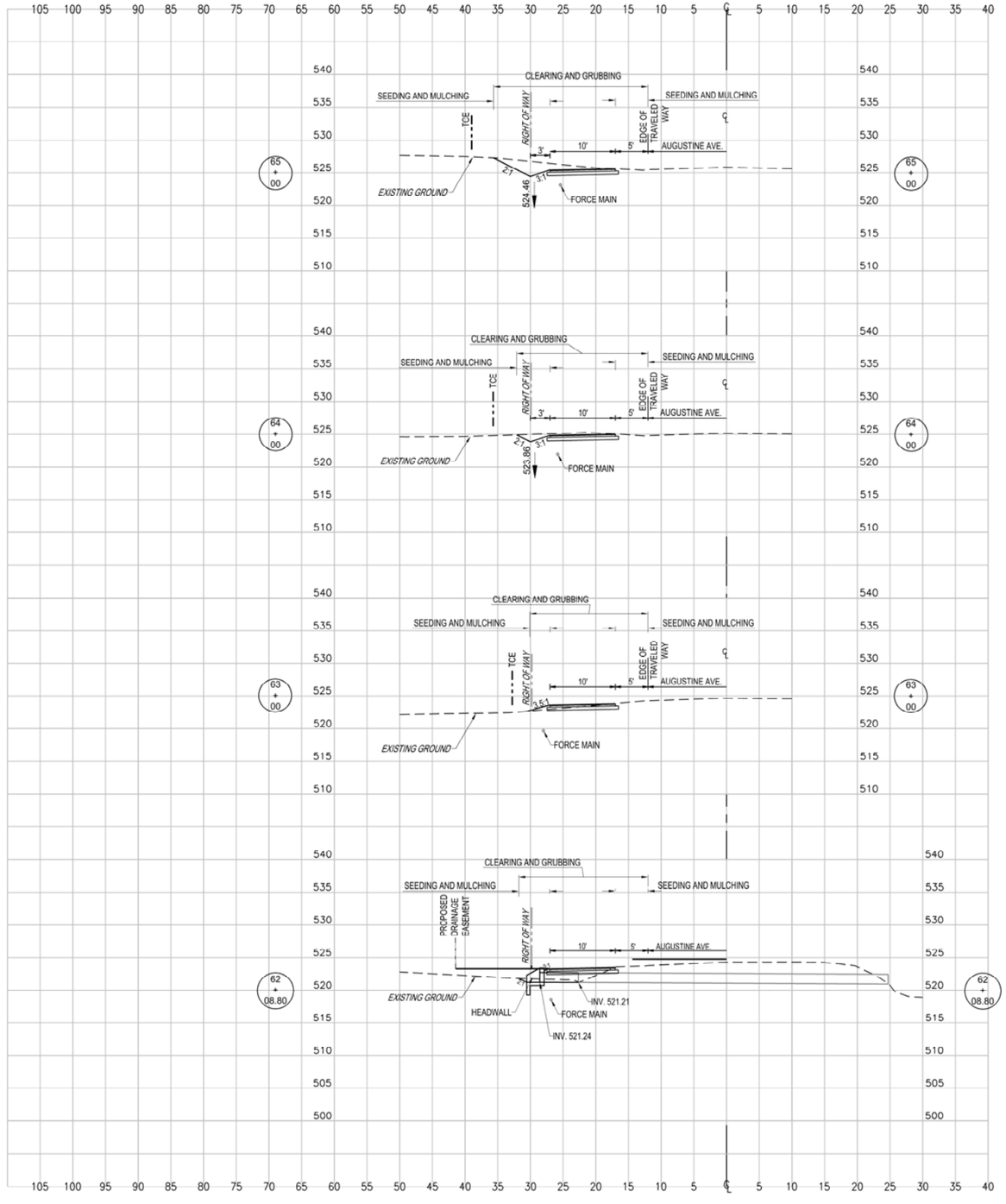
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	27	40

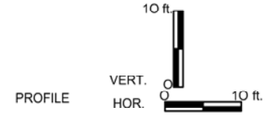


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
65+00.00		13.63		23.61		24.90		0.00		0.00		0.00	
	100.00		1187.00		2185.00		73.44		0.00		0.00		0.00
64+00.00		10.11		20.09		14.76		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
64+00.00		10.11		20.09		14.76		0.00		0.00		0.00	
	100.00		910.50		1903.50		37.67		0.00		1.48		0.00
63+00.00		8.10		17.98		5.58		0.00		0.80		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
63+00.00		8.10		17.98		5.58		0.00		1.02		0.00	
	91.20		813.96		1722.31		18.21		0.00		13.38		0.00
62+08.80		9.75		19.79		5.20		0.00		6.90		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
62+08.80		9.75		19.79		5.20		0.00		6.90		0.00	
	8.80		80.52		168.56		1.18		0.00		1.82		0.00
62+00.00		8.55		18.52		2.07		0.00		4.29		0.00	



PROFILE

SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
209 PRAIRIE AVENUE
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www.thinkALPHAfirst.com

REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 6

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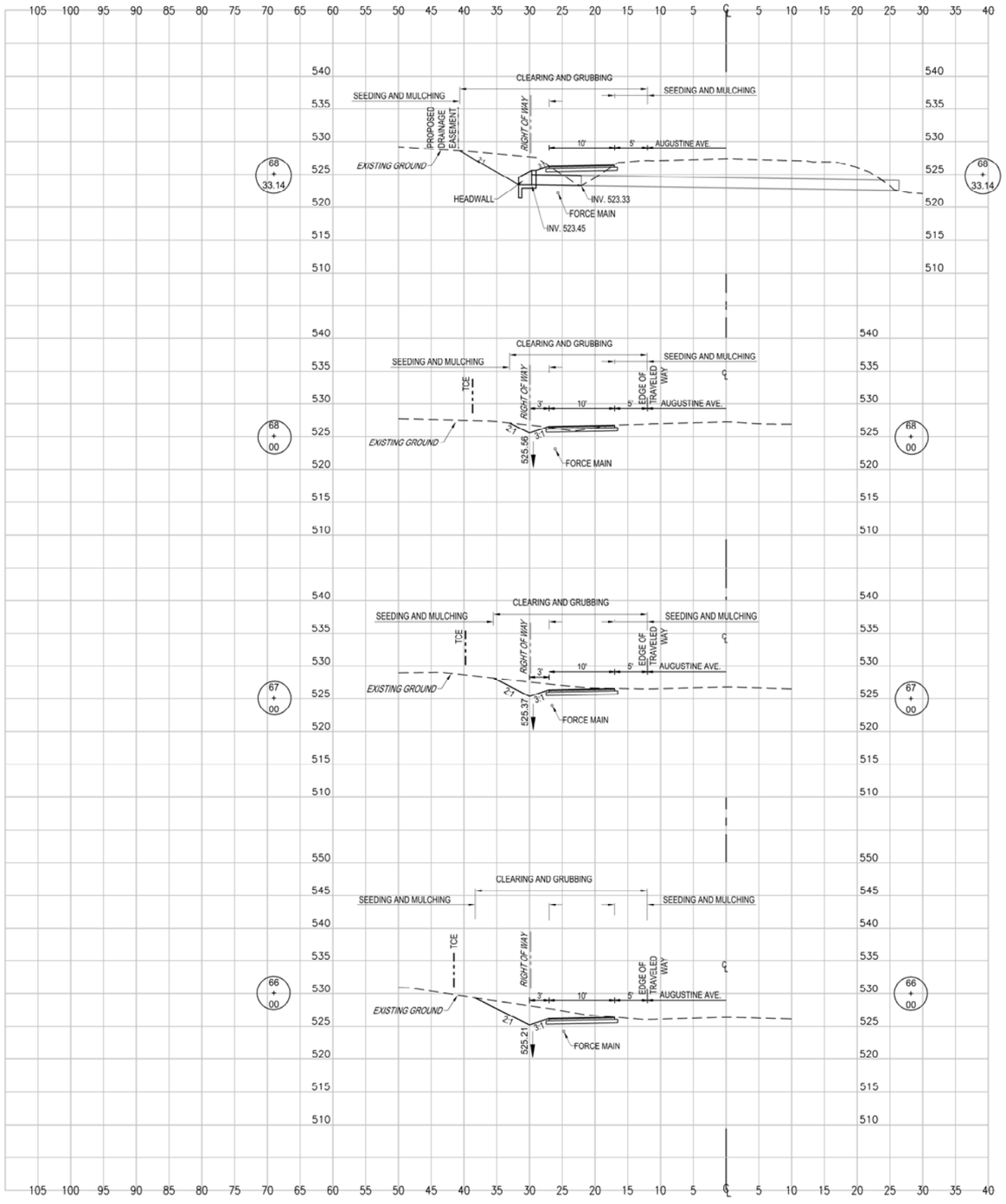
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	28	40

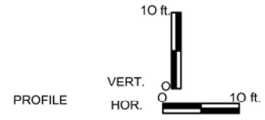


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
68+33.14		18.66		26.65		47.51		0.00		15.94		0.00	
	33.14		492.29		790.06		34.50		0.00		9.78		0.00
68+00.00		11.05		21.03		8.70		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
68+00.00		11.05		21.03		8.70		0.00		0.00		0.00	
	100.00		1227.50		2226.00		57.98		0.00		0.00		0.00
67+00.00		13.50		23.49		22.61		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
67+00.00		13.50		23.49		22.61		0.00		0.00		0.00	
	100.00		1489.00		2487.50		106.06		0.00		0.00		0.00
66+00.00		16.28		26.26		34.66		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
66+00.00		16.28		26.26		34.66		0.00		0.00		0.00	
	100.00		1495.50		2493.50		110.30		0.00		0.00		0.00
65+00.00		13.63		23.61		24.90		0.00		0.00		0.00	



PROFILE

SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 7

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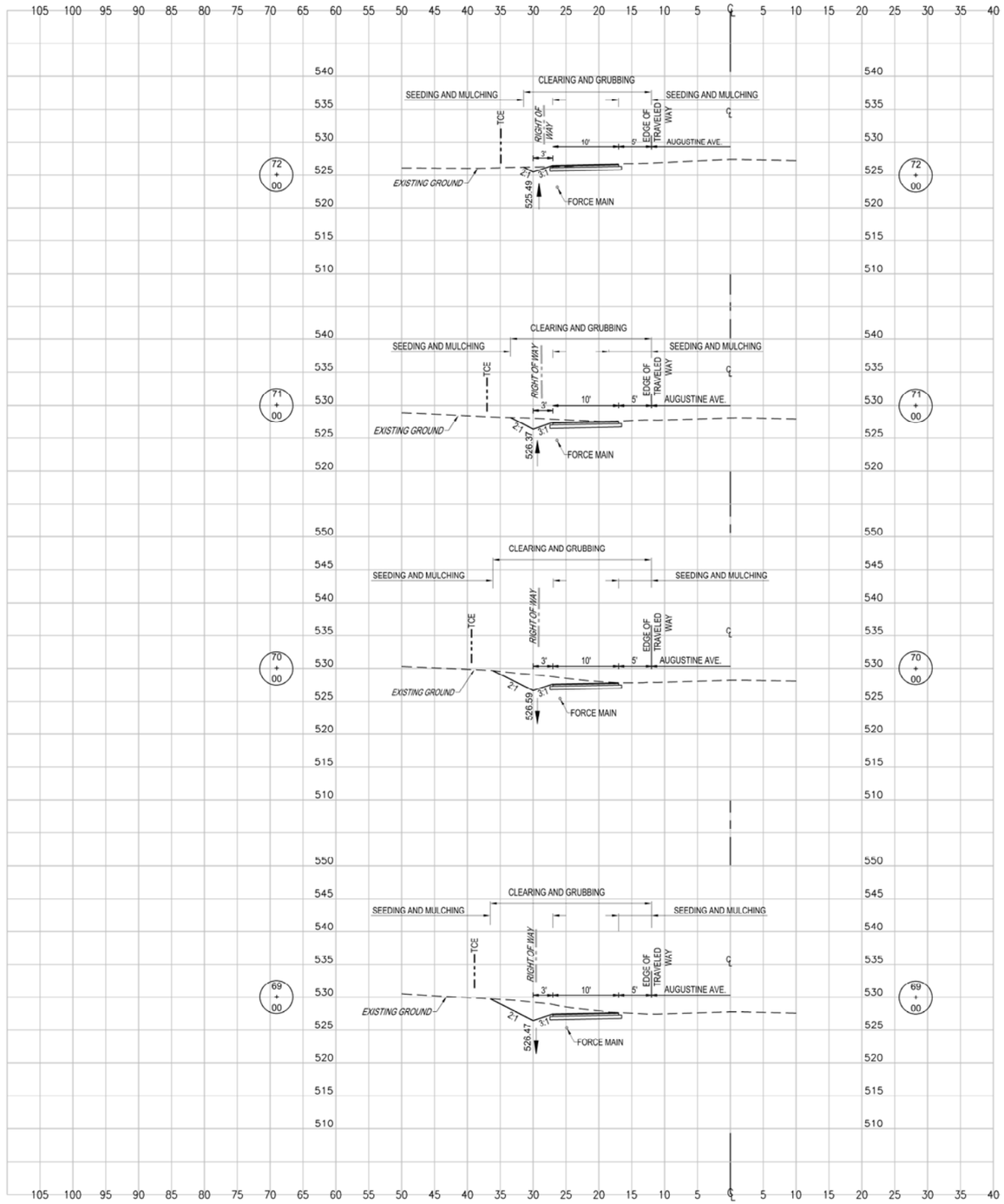
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	29	40



STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
72+00.00		9.45		19.43		9.59		0.00		0.06		0.00	
	100.00		1045.50		2043.00		49.04		0.00		0.11		0.00
71+00.00		11.46		21.43		16.89		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
71+00.00		11.46		21.43		16.89		0.00		0.00		0.00	
	100.00		1280.00		2277.00		81.15		0.00		0.00		0.00
70+00.00		14.14		24.11		26.93		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
70+00.00		14.14		24.11		26.93		0.00		0.00		0.00	
	100.00		1434.00		2431.50		106.81		0.00		0.00		0.00
69+00.00		14.54		24.52		30.75		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
69+00.00		14.54		24.52		30.75		0.00		0.00		0.00	
	66.86		1109.88		1710.61		96.90		0.00		19.74		0.00
68+33.14		18.66		26.65		47.51		0.00		15.94		0.00	

PROFILE
VERT. 10 ft.
HOR. 10 ft.

SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 8

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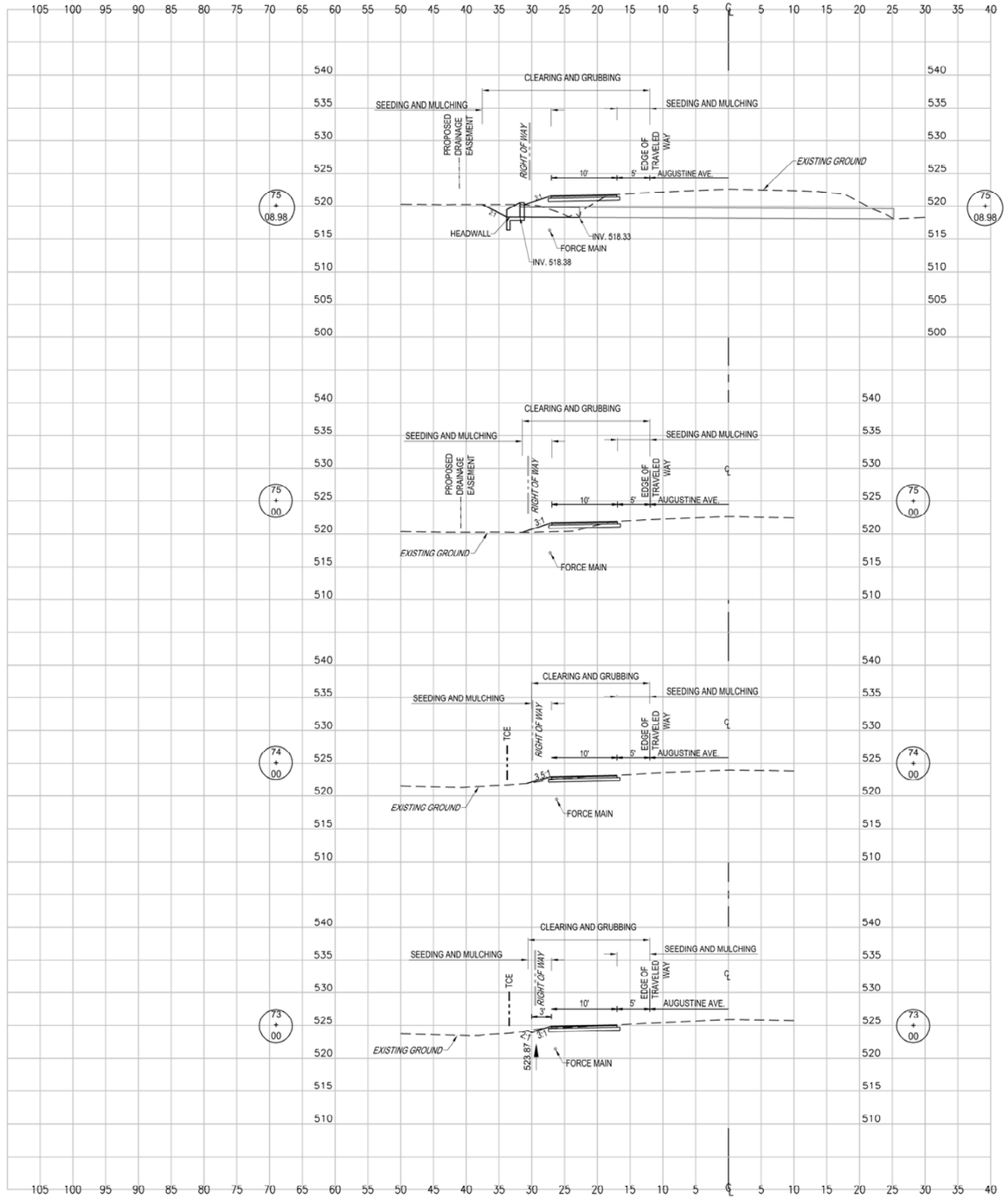
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	30	40



STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
75+08.98		15.51		25.55		21.07		0.00		14.55		0.00	
	8.98		112.25		202.14		3.94		0.00		3.29		0.00
75+00.00		9.49		19.47		2.61		0.00		5.22		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
75+00.00		9.49		19.47		2.61		0.00		5.22		0.00	
	100.00		874.50		1872.50		18.43		0.00		10.78		0.00
74+00.00		8.00		17.98		7.34		0.00		0.60		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
74+00.00		8.00		17.98		7.34		0.00		0.87		0.00	
	100.00		829.00		1828.00		28.44		0.00		1.94		0.00
73+00.00		8.58		18.58		8.02		0.00		0.18		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
73+00.00		8.58		18.58		8.02		0.00		0.18		0.00	
	100.00		901.50		1900.50		32.61		0.00		0.44		0.00
72+00.00		9.45		19.43		9.59		0.00		0.06		0.00	

PROFILE
VERT. 10 ft.
HOR. 10 ft.

SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
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PHONE/FAX: 304-296-8216
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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 9

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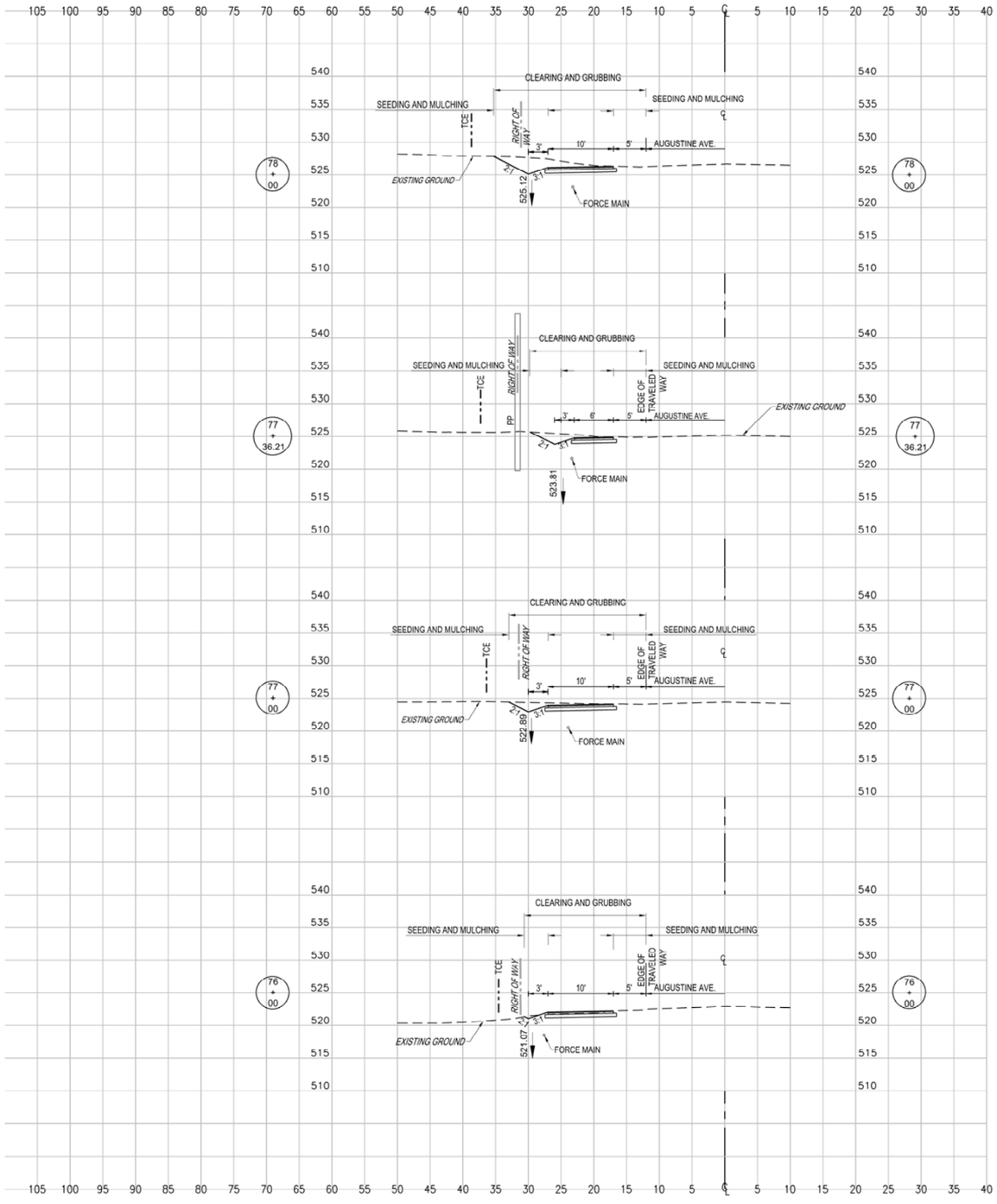
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	31	40

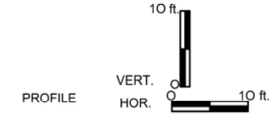


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
78+00.00		13.29		23.27		26.19		0.00		0.00		0.00	
	63.79		577.30		1310.25		53.76		0.00		0.00		0.00
77+36.21		4.81		17.81		19.32		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
77+36.21		4.81		17.81		13.34		0.00		0.00		0.00	
	36.21		285.88		701.75		19.43		0.00		0.00		0.00
77+00.00		10.98		20.95		15.63		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
77+00.00		10.98		20.95		15.63		0.00		0.00		0.00	
	100.00		980.00		1977.50		41.69		0.00		0.46		0.00
76+00.00		8.62		18.60		6.88		0.00		0.25		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
76+00.00		8.62		18.60		6.88		0.00		0.25		0.00	
	91.02		1098.16		2009.27		47.11		0.00		24.95		0.00
75+08.98		15.51		25.55		21.07		0.00		14.55		0.00	



PROFILE

SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
209 PRAIRIE AVENUE
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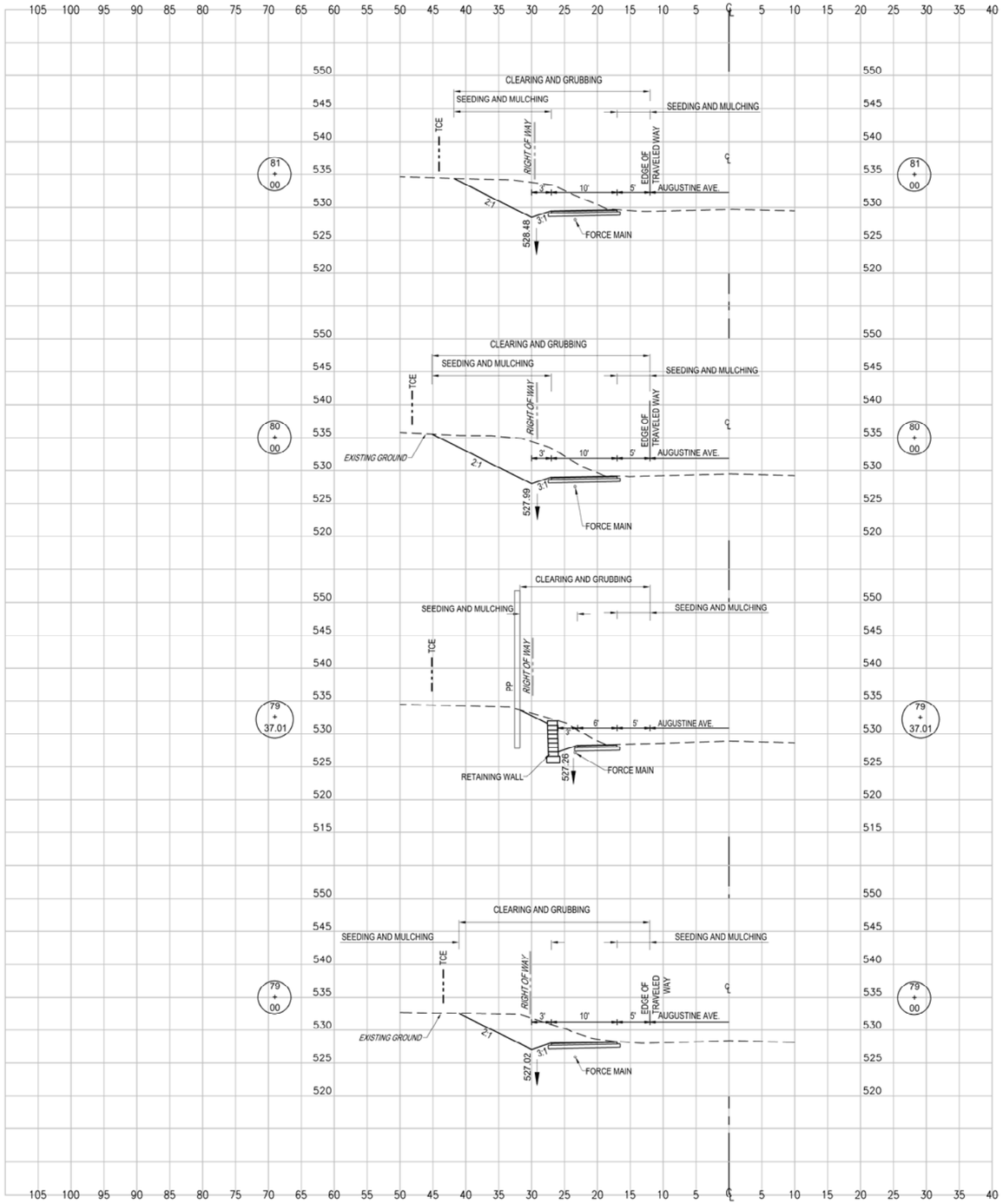
REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 10

Z:\Projects\2022_Jobs\220506100\Drawings\Civil\Current\Construction\Cross Section 10 - PHASE 1.dwg

PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	32	40

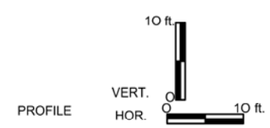


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
81+00.00		19.81		29.81		72.88		0.00		0.00		0.00	
	100.00		2147.50		3146.50		309.94		0.00		0.00		0.00
80+00.00		23.14		33.12		94.49		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
80+00.00		23.14		33.12		94.49		0.00		0.00		0.00	
	62.99		1162.48		1665.77		147.44		0.00		0.00		0.00
79+37.01		13.77		19.77		31.91		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
79+37.01		13.77		19.77		33.86		0.00		0.00		0.00	
	37.01		606.96		902.49		65.26		0.00		0.00		0.00
79+00.00		19.03		29.00		61.36		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
79+00.00		19.03		29.00		61.36		0.00		0.00		0.00	
	100.00		1616.00		2613.50		162.13		0.00		0.00		0.00
78+00.00		13.29		23.27		26.19		0.00		0.00		0.00	



PROFILE

SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 11

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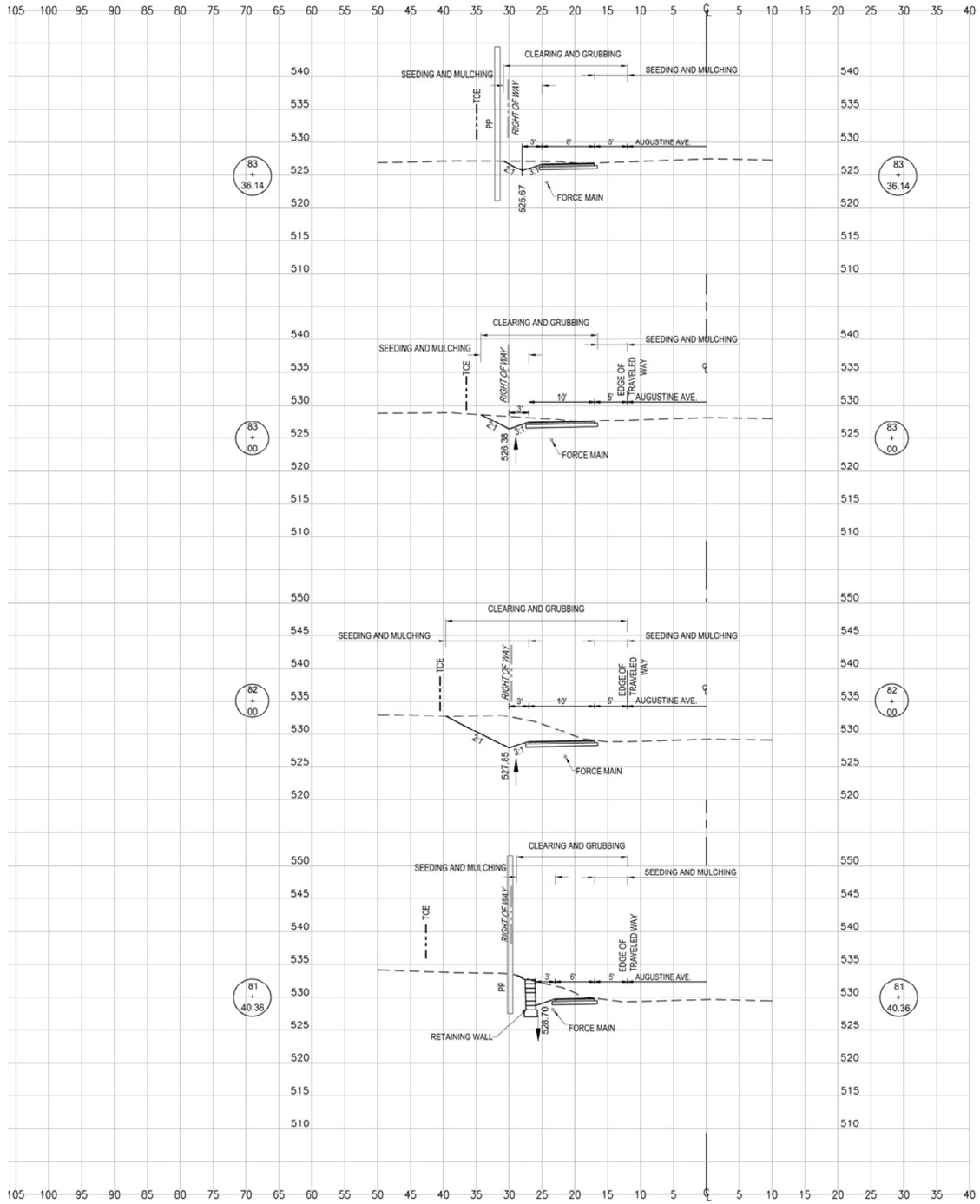
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	33	40

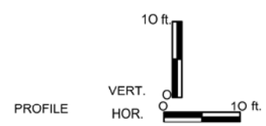


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
83+36.14		10.85		18.85		13.51		0.00		0.00		0.00	
	36.14		418.68		661.90		22.36		0.00		0.00		0.00
83+00.00		12.32		17.78		19.90		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
83+00.00		12.32		17.78		19.90		0.00		0.00		0.00	
	100.00		1498.50		2279.50		147.61		0.00		0.00		0.00
82+00.00		17.65		27.81		59.81		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
82+00.00		17.65		27.61		59.81		0.00		0.00		0.00	
	59.64		849.87		1325.80		97.96		0.00		0.00		0.00
81+40.36		10.85		16.85		28.89		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
81+40.36		10.85		16.85		29.16		0.00		0.00		0.00	
	40.36		618.72		941.60		76.27		0.00		0.00		0.00
81+00.00		19.81		29.81		72.88		0.00		0.00		0.00	



SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 12

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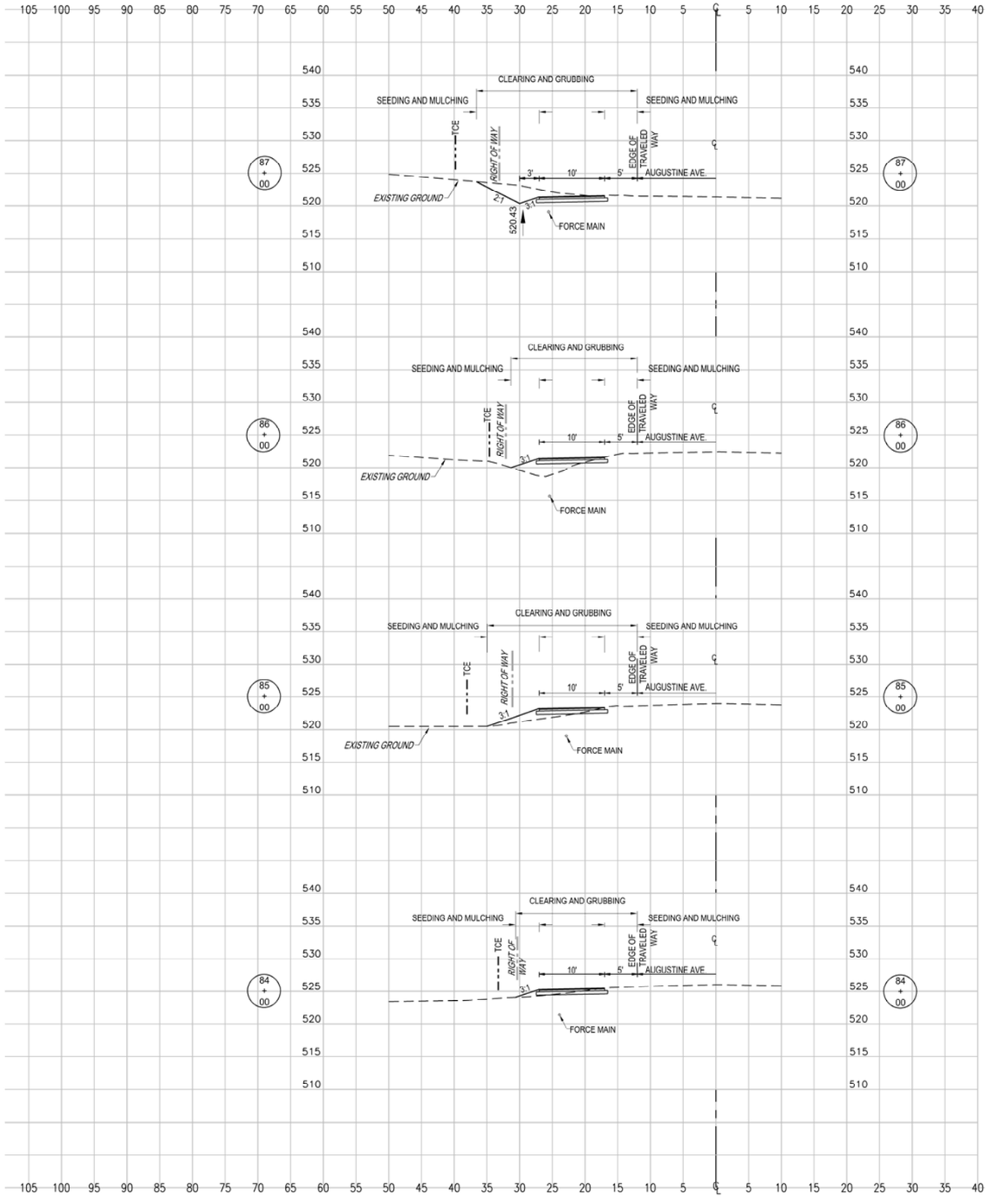
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	34	40

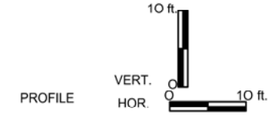


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
87+00.00		14.62		24.60		27.52		0.00		0.00		0.00	
	100.00		1197.00		2194.50		54.30		0.00		24.00		0.00
86+00.00		9.32		19.29		1.80		0.00		12.96		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
86+00.00		9.32		19.29		1.80		0.00		12.96		0.00	
	100.00		1113.00		2113.50		7.00		0.00		39.02		0.00
85+00.00		12.94		22.98		1.98		0.00		8.11		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
85+00.00		12.94		22.98		1.98		0.00		8.11		0.00	
	100.00		1078.00		2079.00		10.65		0.00		18.22		0.00
84+00.00		8.62		18.60		3.77		0.00		1.73		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
84+00.00		8.62		18.60		3.77		0.00		1.73		0.00	
	63.86		621.68		1195.78		24.07		0.00		2.05		0.00
83+36.14		10.85		18.85		16.58		0.00		0.00		0.00	



PROFILE

SUBMITTED: MAY 19, 2023

ALPHA ASSOCIATES, INC.
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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 13

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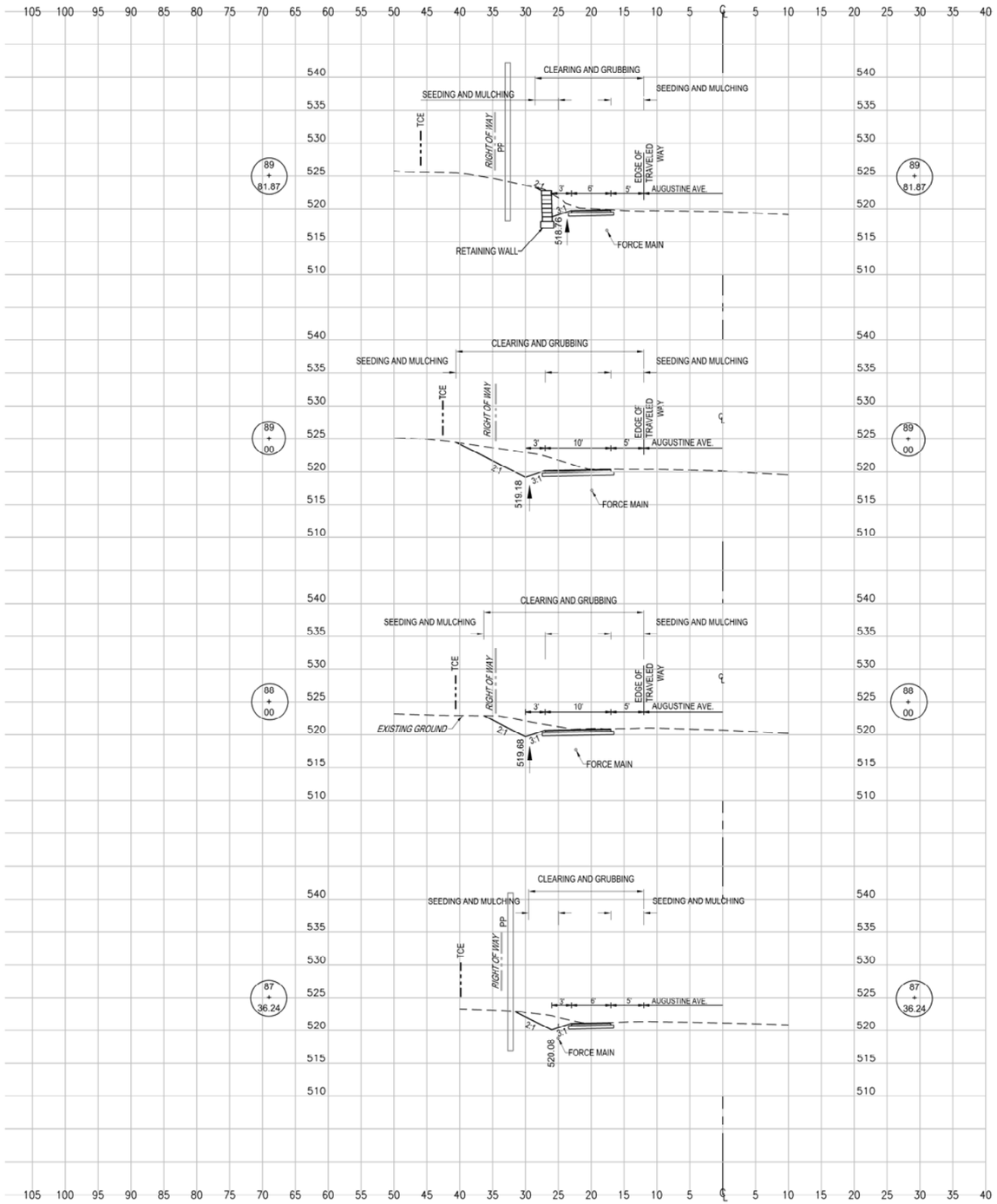
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	35	40

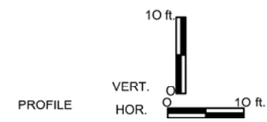


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
89+81.87		8.55		16.53		22.78		0.00		0.00		0.00	
	81.87		1109.75		1844.94		103.28		0.00		0.00		0.00
89+00.00		18.56		28.54		45.34		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
89+00.00		18.56		28.54		45.34		0.00		0.00		0.00	
	100.00		1645.50		2643.00		129.46		0.00		0.00		0.00
88+00.00		14.35		24.32		24.57		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
88+00.00		14.35		24.32		24.57		0.00		0.00		0.00	
	63.76		760.98		1333.22		54.04		0.00		0.00		0.00
87+36.24		9.52		17.50		21.20		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
87+36.24		9.52		17.50		16.12		0.00		0.00		0.00	
	36.24		437.42		762.85		29.29		0.00		0.00		0.00
87+00.00		14.62		24.60		27.52		0.00		0.00		0.00	



SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 14

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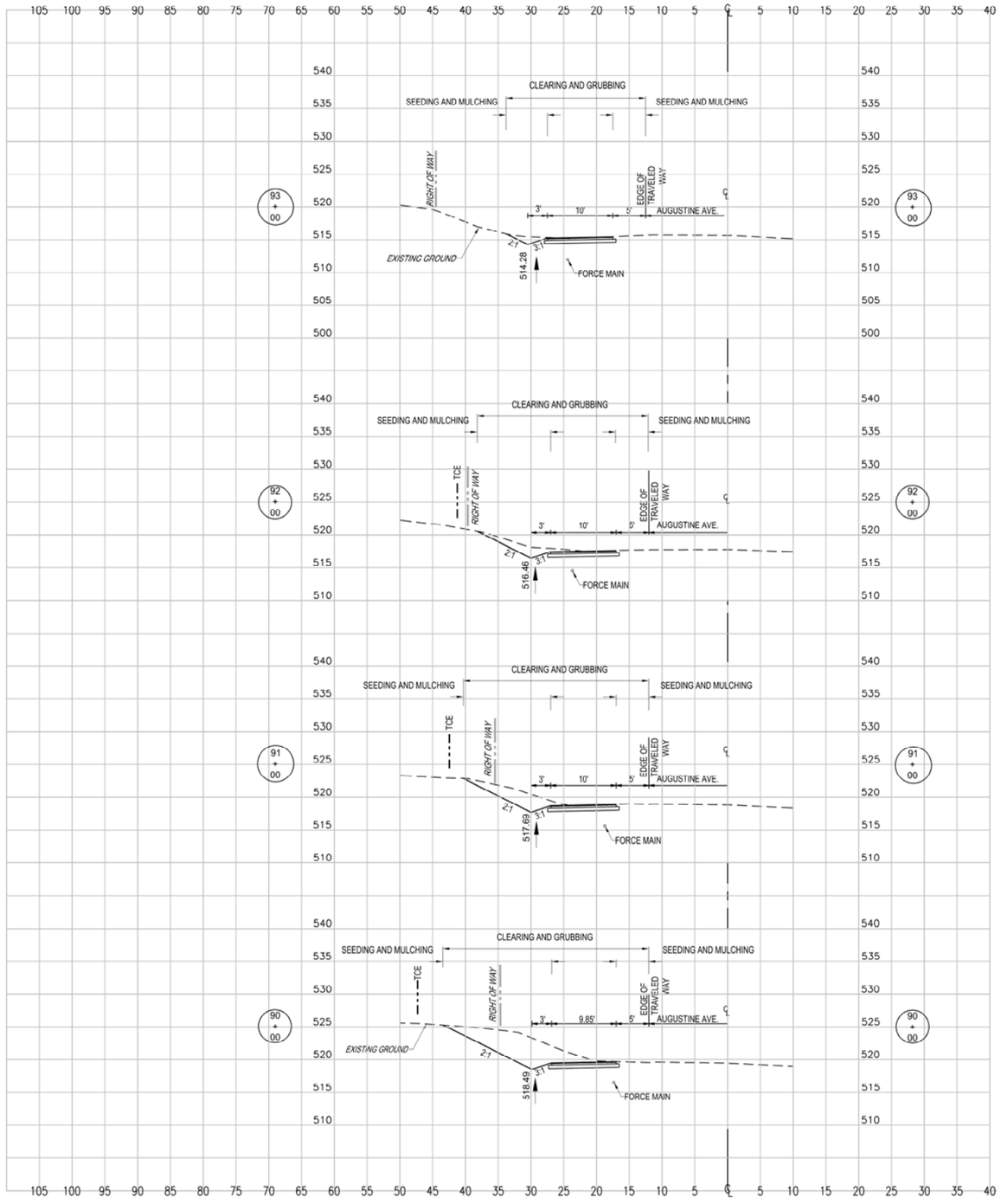
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	36	40

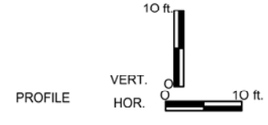


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
93+00.00		9.30		21.29		12.28		0.00		0.00		0.00	
	100.00		1275.00		2369.50		61.57		0.00		0.00		0.00
92+00.00		16.20		26.10		20.97		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
92+00.00		16.20		26.10		20.97		0.00		0.00		0.00	
	100.00		1726.00		2720.00		95.98		0.00		0.00		0.00
91+00.00		18.32		28.30		30.86		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
91+00.00		18.32		28.30		30.86		0.00		0.00		0.00	
	100.00		1995.50		2986.00		180.80		0.00		0.00		0.00
90+00.00		21.59		31.42		66.77		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
90+00.00		21.59		31.42		66.77		0.00		0.00		0.00	
	18.13		273.22		434.67		33.04		0.00		0.00		0.00
89+81.87		8.55		16.53		31.64		0.00		0.00		0.00	



SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 15

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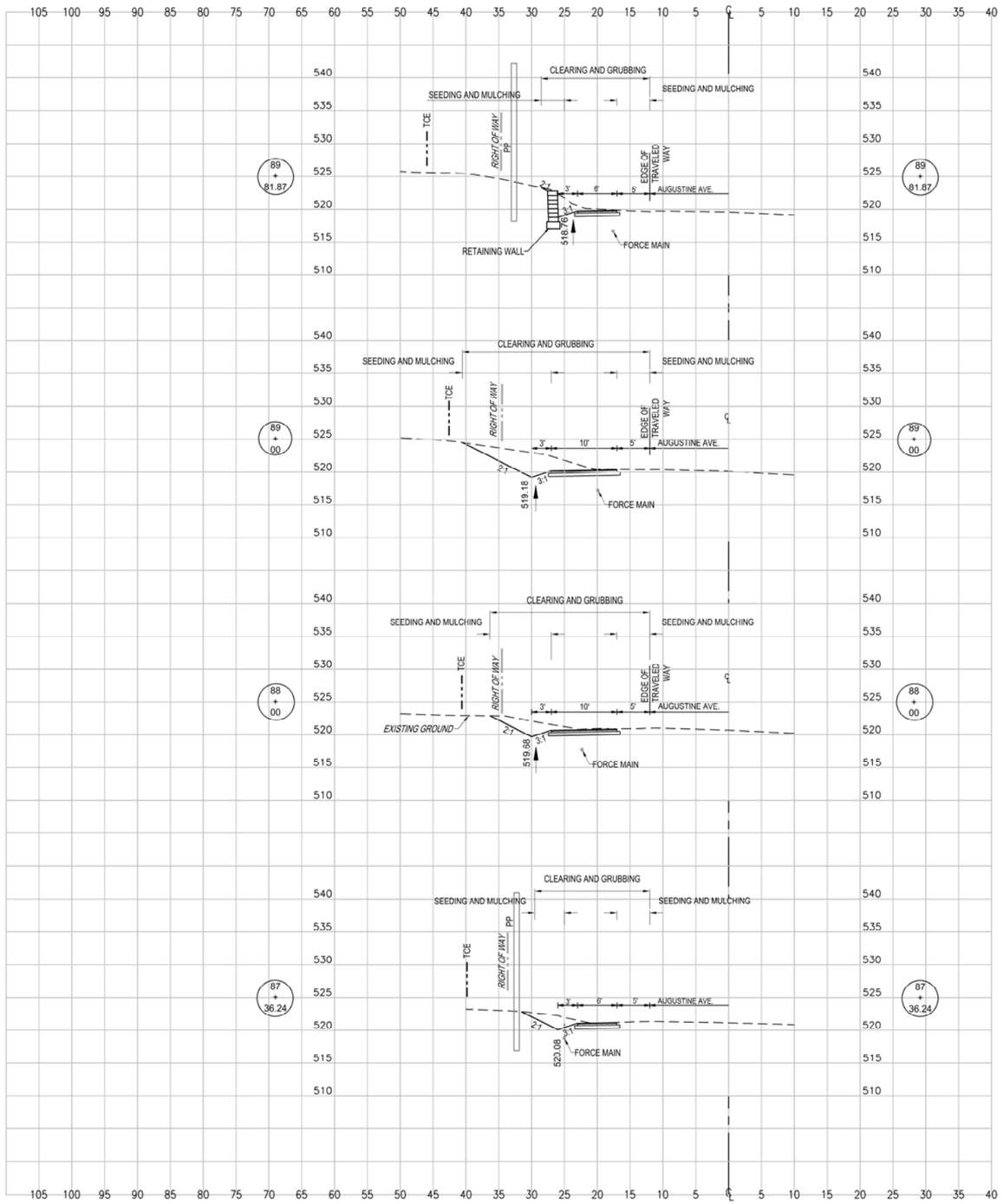
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	37	40

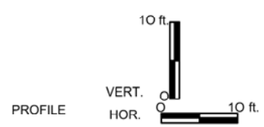


STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
89+81.87		8.55		16.53		22.78		0.00		0.00		0.00	
	81.87		1109.75		1844.94		103.28		0.00		0.00		0.00
89+00.00		18.56		28.54		45.34		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
89+00.00		18.56		28.54		45.34		0.00		0.00		0.00	
	100.00		1645.50		2643.00		129.46		0.00		0.00		0.00
88+00.00		14.35		24.32		24.57		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
88+00.00		14.35		24.32		24.57		0.00		0.00		0.00	
	63.76		760.98		1333.22		54.04		0.00		0.00		0.00
87+36.24		9.52		17.50		21.20		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
87+36.24		9.52		17.50		16.12		0.00		0.00		0.00	
	36.24		437.42		762.85		29.29		0.00		0.00		0.00
87+00.00		14.62		24.60		27.52		0.00		0.00		0.00	



SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 16

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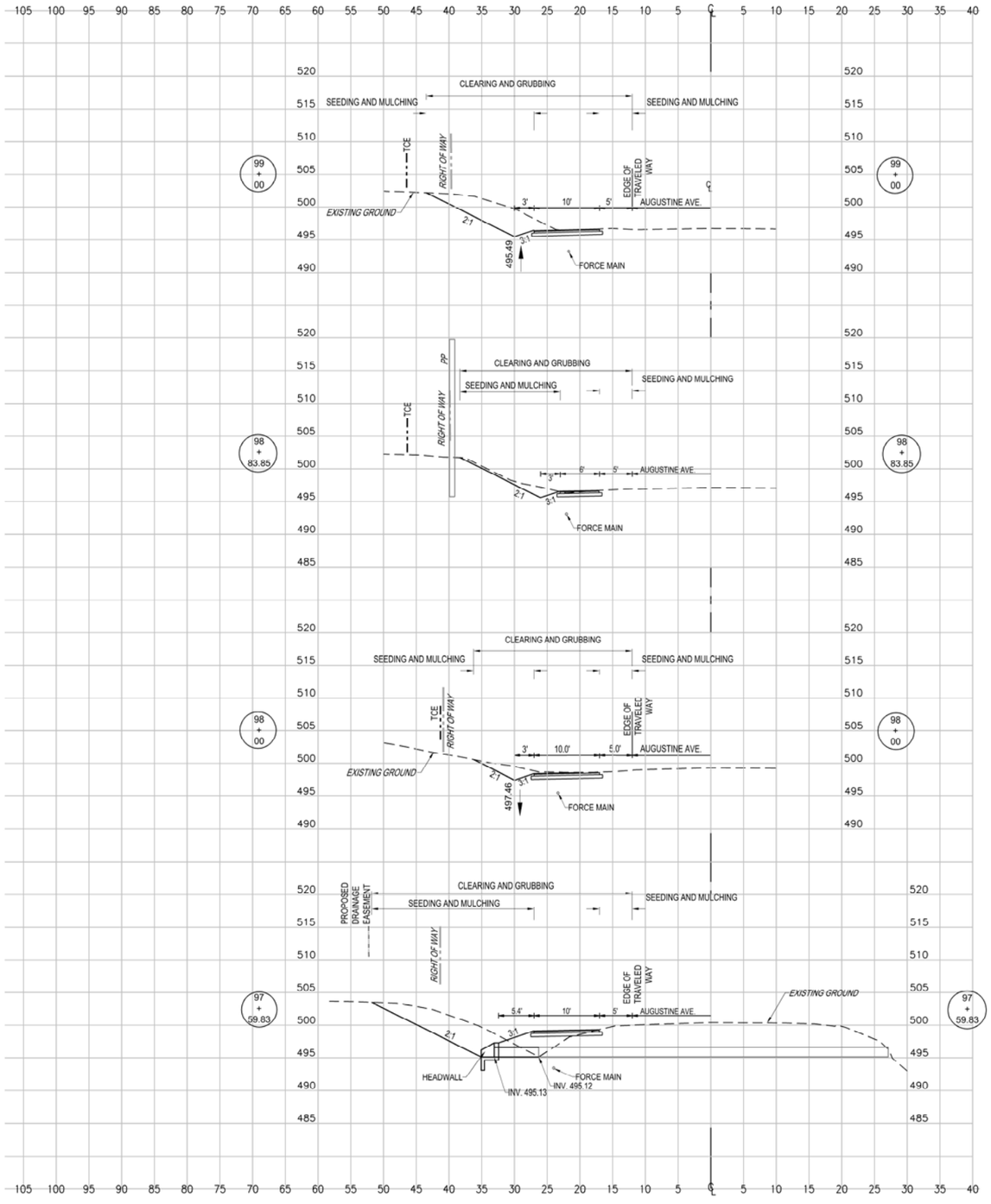
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	38	40



STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
99+00.00		21.47		31.47		55.56		0.00		0.00		0.00	
	16.15		337.54		466.57		23.32		0.00		0.00		0.00
98+83.85		20.33		26.31		22.42		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
98+83.85		20.33		26.31		13.98		0.00		0.00		0.00	
	83.85		1449.77		2118.89		52.76		0.00		0.00		0.00
98+00.00		14.25		24.23		20.00		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
98+00.00		14.25		24.23		20.00		0.00		0.00		0.00	
	40.17		884.34		1286.04		69.35		0.00		14.21		0.00
97+59.83		29.78		39.80		73.23		0.00		19.10		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
97+59.83		29.78		39.80		73.23		0.00		19.10		0.00	
	59.83		1146.64		1744.64		85.62		0.00		22.28		0.00
97+00.00		8.55		18.52		4.05		0.00		1.01		0.00	

PROFILE
10 ft.
VERT.
HOR.
10 ft.

SUBMITTED: MAY 19, 2023

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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 17

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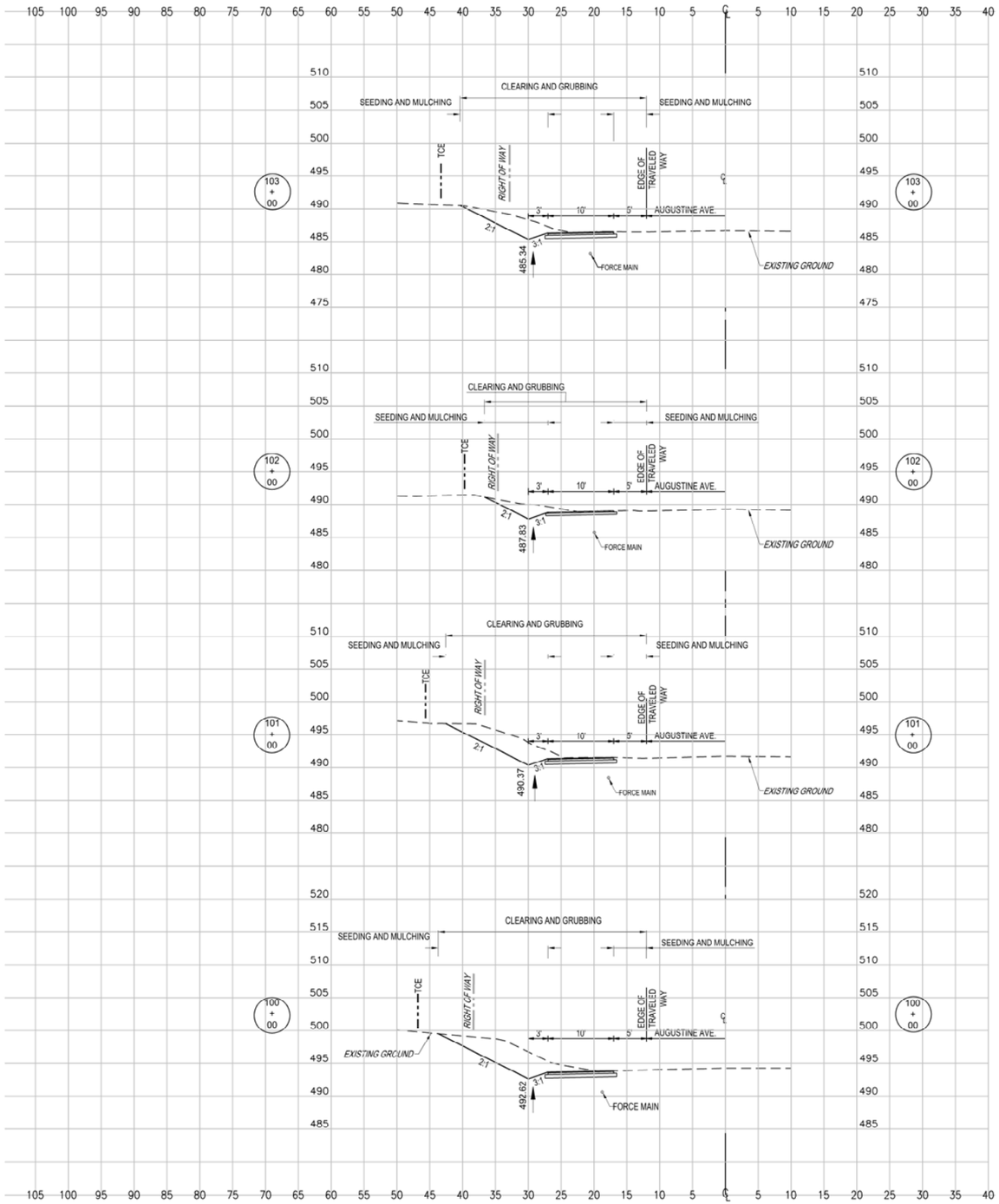
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/ RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	39	40



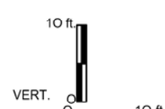
STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
103+00.00		18.38		28.36		33.44		0.00		0.00		0.00	
	100.00		1654.00		2653.00		96.69		0.00		0.00		0.00
102+00.00		14.70		24.70		18.77		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
102+00.00		14.70		24.70		18.77		0.00		0.00		0.00	
	100.00		1763.50		2762.50		121.83		0.00		0.00		0.00
101+00.00		20.57		30.55		47.02		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
101+00.00		20.57		30.55		47.02		0.00		0.00		0.00	
	100.00		2113.50		3111.00		196.31		0.00		0.00		0.00
100+00.00		21.70		31.67		58.99		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
100+00.00		21.70		31.67		58.99		0.00		0.00		0.00	
	100.00		2158.50		3157.00		212.13		0.00		0.00		0.00
99+00.00		21.47		31.47		55.56		0.00		0.00		0.00	

PROFILE



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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTIONS 18

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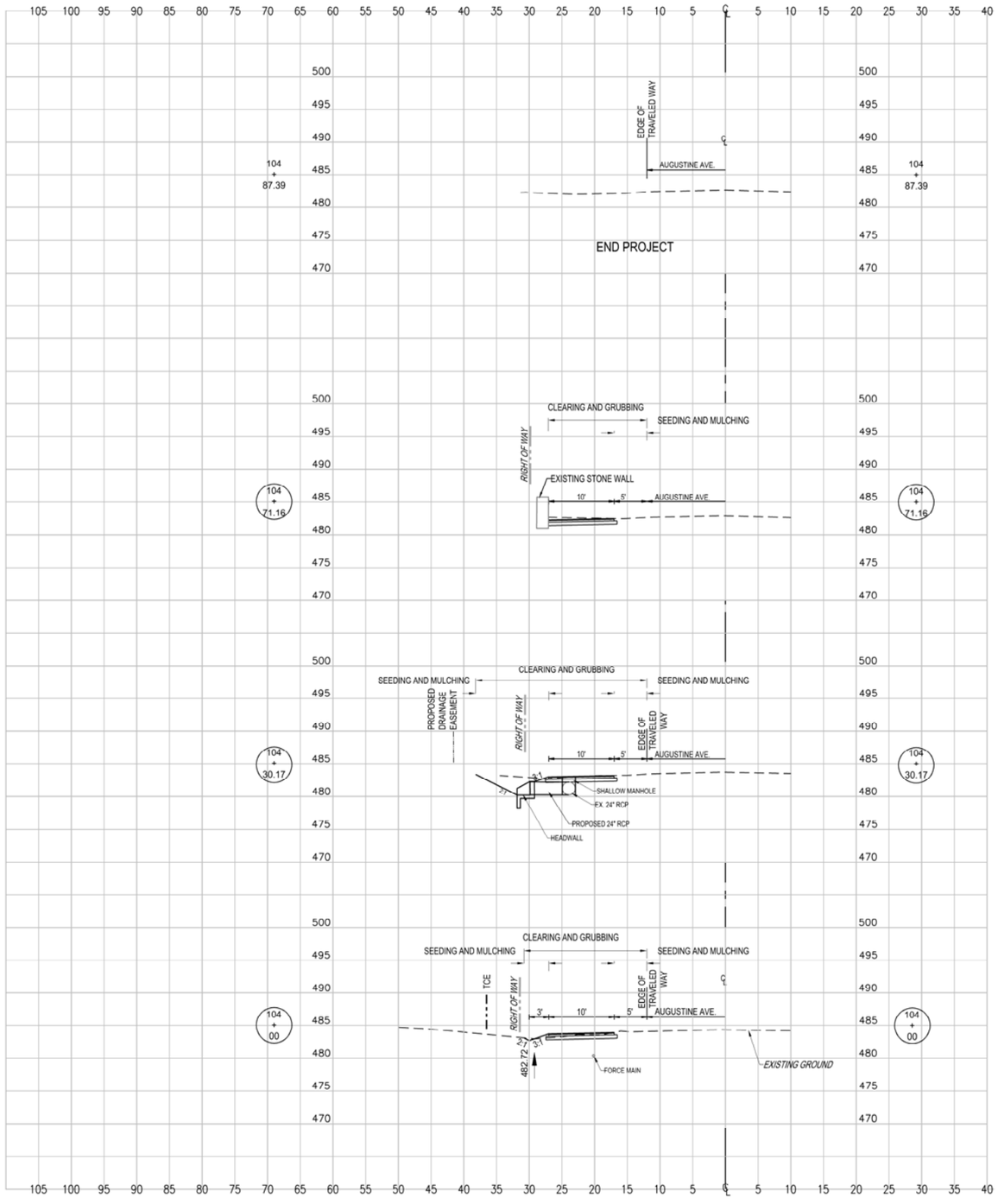
PUBLIC ROADS DIV.	STATE DIST. NO.	STATE PROJ. NO.	FED. PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
W.V.	5	U319-CHA/RL-2.00	TAP-2017 (186)DTC	2023	JEFFERSON	40	40



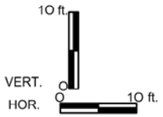
STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
104+87.39		0.00		0.00		0.00		0.00		0.00		0.00	
	16.23		40.58		122.37		3.26		0.00		0.00		0.00
104+71.16		5.00		15.08		10.86		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
104+71.16		5.00		15.06		10.86		0.00		0.00		0.00	
	40.99		434.29		844.80		38.71		0.00		0.00		0.00
104+30.17		16.19		26.16		40.13		0.00		0.00		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
104+30.17		16.19		26.16		40.13		0.00		0.00		0.00	
	30.17		377.13		677.92		25.82		0.00		0.30		0.00
104+00.00		8.81		18.78		6.09		0.00		0.54		0.00	

STATION	LENGTH FT.	SEEDING & MULCHING		CLEARING & GRUBBING		EXCAVATION				EMBANKMENT			
		WIDTH	AREA	WIDTH	AREA	UNCLASSIFIED		UNSUITABLE		UNCLASSIFIED		SELECT	
		FT.	SF.	FT.	SF.	SF.	CY.	SF.	CY.	SF.	CY.	SF.	CY.
104+00.00		8.81		18.78		6.09		0.00		0.54		0.00	
	100.00		1359.50		2357.00		73.20		0.00		1.00		0.00
103+00.00		18.38		28.36		33.44		0.00		0.00		0.00	

PROFILE



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REVISION NUMBER	SHEET NUMBER	REVISIONS	DATE	BY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
AUGUSTINE AVE.
MULTI-USE PATH
CROSS SECTION 19

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