

PRESTON COUNTY BOARD OF EDUCATION PRESTON COUNTY, WEST VIRGINIA PRESTON COUNTY SCHOOLS 2021 PAVING PROGRAM

ADDENDUM #2

July 9, 2021

THRASHER PROJECT #030-10319

TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on Wednesday, June 30, 2021 on the above-referenced project. The following are clarifications and responses to questions posed by contractors for the above reference project.

A. GENERAL

- 1. THE BID FORM HAS BEEN REVISED. YOU MUST USE THE REVISED BID FORM WHEN PREPARING YOUR BID PACKAGE FOR THIS PROJECT.
- 2. THE BID DATE HAS BEEN CHANGED TO TUESDAY, JULY 13, 2021, AT 2:00 P.M.

B. <u>SPECIFICATIONS</u>

1. Revised Unit Price Section 012200.

C. <u>DRAWINGS</u>

- 1. Sheet 2 Revised Quantities
- 2. Sheet 4 Added Clarifications to the Paving Plan
- 3. Sheet 7 Revised pavement section detail

D. QUESTIONS AND RESPONSES

Ouestion

1. Bid Sheets BID-3 & BID-4 outline the bid items, however, pages 96 - 100 have additional items listed. Please verify the items to be bid.

Response:

The Bid Form has been revised as part of Addendum 2.

Question

2. A bid bond was required for the project last summer. A bid bond is not listed on the bid opening requirement checklist. Please verify if one will be required. This could take up to 2-3 days to receive once requested.

Response:

A bid bond is required for this project. The Bid Opening Requirements page has been updated to reflect this requirement. The revised Bid Opening Requirement page is attached with this Addendum.

Question

3. Is the use of asphalt tack required on the milled surface?

Response:

No

E. <u>CLARIFICATIONS</u>

- 1. The Bid Form has been revised. You Must use the revised bid form when preparing your bid package for this project.
- 2. This Bid Date has been changed to Tuesday, July 13, 2021 at 2:00 p.m.
- 3. It is the intent of the Preston County Schools to have this project completed on or before August 17, 2021.

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 2:00 p.m. on Tuesday, July 13, 2021 at Preston County Schools, located at 731 Preston Drive, Kingwood, Preston County, West Virginia, WV. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.

Robert R. Milne, PE

Sr. Project Manager

Completed

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PRESTON COUNTY BOARD OF EDUCATION PRESTON COUNTY, WEST VIRGINIA PROPOSED PRESTON COUNTY SCHOOLS 2021 PAVING PROGRAM Thrasher Project# 030-10319

A two envelope system will be used. Envelope No. 1 will be opened first and the Bid Opening Requirement items checked for compliance, as outlined on this page. If such documents are found to be in order, sealed Envelope No. 2 "Bid Proposal", which shall also be placed inside of Envelope #1, will then be opened and will be publicly read aloud. If the documents required to be contained in Envelope No. 1 are not in order, Envelope No. 2 "Bid Proposal" will not be opened and the Bid will be considered non-responsive and will be returned to the Bidder. At that time, the Owner will declare the Bidder non-responsive. The lowest responsive, responsible Bidder shall be the Bidder who has completed all of the requirements of the "Bid Opening Requirements" and has the lowest total bid.

BID OPENING REQUIREMENT CHECKLIST

Item		Satisfactory (Check if completed)
1.	Bid submitted on time	1
2.	Bid Bond (BOR 2-3)	2
3.	Certification of receipt of all addenda to Plans and Specifications. (BOR-	- 4) 3
4.	West Virginia Code §21-1D-5 Drug Free Workplace Conformance Affidavit (BOR-5 & 6)	4
5.	State of West Virginia Purchasing Affidavit (BOR - 7)	5
6.	Any additional special requirements (by owner or engineer) 1. Copy of WV Contractor License	6

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PRESTON COUNTY BOARD OF EDUCATION PRESTON COUNTY, WEST VIRGINIA PROPOSED

PRESTON COUNTY SCHOOLS 2021 PAVING PROGRAM THRASHER PROJECT #030-10319

PRESTON COUNTY HIGH SCHOOL PARKING LOT BID FORM

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Preston County Board of Education 731 Preston Drive Kingwood, WV 26537

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

- 3.01 In submitting this Bid, Bidder represents that:
 - A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	Addendum Date

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

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D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;

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3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and

4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the e execution of the Contract.

ARTICLE 5 - BASIS OF BID

GENERAL

The Bidder shall take notice of and shall be responsible for any local or state taxes levied and applicable, and the cost for the same shall be included as part of the submitted Bid.

The total Bid cost stated includes a complete operating installation including furnishing and installation of any and all changes or additions in plans, piping, mechanical work, additional electrical work, accessories, controls, etc. necessary to accommodate alternative equipment systems or materials used in construction.

BID PROPOSAL

The Bidder agrees to perform all required Work described in the detailed Specifications and as shown on the Plans for the complete construction and placing in satisfactory operation the Preston County Schools 2020 Paving Program. The Project "Sequence of Construction" has been detailed in the Drawings and Specification Division 1, Project Summary, Section 1010, Part-2 Execution. The Bidder agrees to perform all the Work proposed for the total of the following Bid prices.

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

PROPOSED PRESTON COUNTY SCHOOLS 2021 PAVING PROGRAM FOR THE

PRESTON COUNTY BOARD OF EDUCATION PRESTON COUNTY, WEST VIRGINIA

PRESTON COUNTY HIGH SCHOOL PARKING LOT BID SCHEDULE

NOTE: Bid Unit PRICE amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern. Bids shall include sales tax and all other applicable taxes and fees.

Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
1	12,540	SY	MILLING			

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Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
2	2,010	TN	1 1/2" OVERLAY WEARING HMA, TYPE I			
3	360	TN	8" BASE AGGREGATE			
4	1,420	TN	2 1/2" BASE AGGREGATE (SUBBBASE REPAIR)			
5	1,420	TN	2 1/2" BASE COURSE HMA, TYPE II			
6	230	TN	5" BASE COURSE HMA, TYPE II			
7	770	SY	SEPARATION FABRIC			
8	50	TN	SHOULDER STONE			
9	6,855	SF	REMOVAL OF ASPHALT AND STONE			
10	1	LS	HANDICAP SYMBOL MARKINGS			
11	1	LS	PARKING LOT STRIPING			

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Item #	Qty.	UNIT	DESCRIPTION	UNIT PRICE	UNIT PRICE WRITTEN IN WORDS	TOTAL PRICE
12	8	EA	HANDICAP SIGNAGE			
13	1	LS	STORMWATER PREP WORK			
14	1	LS	EROSION AND SEDIMENT CONTROL			
15	253	LF	18" HDPE PIPE			
16	1	EA	RIPRAP (STONE OUTLET PROTECTION)			
17	2	EA	TYPE B INLET			
T(TOTAL BID:					

(Amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

NOTE: THE CONTRACTOR'S UNIT PRICES SHALL INCLUDE PURCHASE AND INSTALLATION, COMPLETE IN PLACE, PER BID ITEM IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS.

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

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METHOD OF AWARD

If at the time this contract is to be awarded, the lowest total bid submitted by a qualified, responsible Bidder does not exceed the amount of funds then estimated by the Owner, as available to finance the contract, the construction contract will be awarded. If such bids exceeds such amount, the owner may reject all bids.

- A. Unit prices have been computed in accordance with paragraph 13.03.A of the General Conditions.
- B. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
 - A. Bid Opening Requirements

DIDDED. Indicate compact name of hidding antity!

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER. [Indicate correct name of blading entity]	
By: [Signature]	_
[Printed name] (If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)	_
Attest: [Signature]	
[Printed name]	

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Title:		
Submittal Date:		
Address for giving notices:		
Telephone Number:		
Fax Number:		
Contact Name and e-mail address:		
Bidder's License No.:		

NOTE TO USER: Use in those states or other jurisdictions where applicable or required.

(where applicable)

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SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for unit prices.

1.2 DEFINITIONS

A. Unit price is a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.3 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: Methods of measurement and payment for unit prices are specified below in Section 3.1 Schedule of Unit Prices.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. MILLING

- 1. This bid item shall constitute full compensation for furnishing all labor, materials, tools, equipment and other costs for doing all work involved in milling the existing pavement, removing residue, cleaning the remaining pavement, and testing in accordance with these specifications and as shown on the plans.
- 2. This bid item shall constitute full compensation for furnishing all labor, materials, tools, equipment and other cost associated with transporting and stockpiling asphalt millings at location, or locations, specified by the Owner.

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- 3. Specification Section: Plan Drawings & WVDOH Standard Specifications Road and Bridges Sections 415.1.1, 415.2.1, 415.2.2, 415.2.3, and 415.3
- 4. Unit of Measure: SY

B. 1 ½" OVERLAY WEARING HMA, TYPE I

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to install 1-1/2" overlay wearing HMA, Type I mixed mechanically in a plant, composed of aggregate and asphalt material designed as specified in the contract documents, complete in place, in accordance with the contract documents and in reasonable close conformity with the lines, grades, weights or thicknesses, and cross sections shown on the Plans or established by the Engineer.
- 2. Specification Section: 321216
- 3. Unit of Measure: TN

C. 8" BASE AGGREGATE

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated with placement of 8" base aggregate in accordance with the contract documents.
- 2. This bid item shall apply to subgrade preparation and furnishing and placing clean crushed aggregate in the areas identified on the plan drawings or as directed by the Owner or Engineer.
- 3. Weigh tickets from the commercial supplier for imported base aggregate that is delivered and placed shall be submitted with pay applications.
- 4. Specification Section: Plan Drawings and WVDOH Standard Specifications Road and Bridges Sections 307.1, 307.2.1, 307.3, 307.4, 307.5, and 307.6.2
- 5. Unit of Measure: TN

D. BASE AGGREGATE (SUBBASE REPAIR)

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated with placement of up to 2 ½" base aggregate in accordance with the contract documents.
- 2. This bid item shall apply to subgrade preparation and furnishing and placing clean crushed aggregate in the areas identified on the plan drawings or as directed by the Owner or Engineer.
- 3. Weigh tickets from the commercial supplier for imported base aggregate that is delivered and placed shall be submitted with pay applications.
- 4. Specification Section: Plan Drawings and WVDOH Standard Specifications Road and Bridges Sections 307.1, 307.2.1, 307.3, 307.4, 307.5, and 307.6.2
- 5. Unit of Measure: TN

E. 2 ½" BASE COURSE HMA, TYPE II

1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to install 2 ½" base course HMA, Type II mixed mechanically in a plant, composed of aggregate and asphalt material designed as specified in the contract documents, complete in place, in accordance with the contract documents and in reasonable close conformity with the lines, grades, weights or thicknesses, and cross sections shown on the Plans or established by the Engineer.

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2. Specification Section: Plan Drawings

3. Unit of Measure: TN

F. 5" BASE COURSE HMA, TYPE II

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to install 5" base course HMA, Type II mixed mechanically in a plant, composed of aggregate and asphalt material designed as specified in the contract documents, complete in place, in accordance with the contract documents and in reasonable close conformity with the lines, grades, weights or thicknesses, and cross sections shown on the Plans or established by the Engineer.
- 2. Specification Section: Plan Drawings

3. Unit of Measure: TN

G. SEPARATION FABRIC

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to furnish and install separation fabric in accordance with the contract documents.
- 2. Specification Section: Plan Drawings

3. Unit of Measure: SY

H. SHOULDER STONE

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated with placement of Shoulder Stone in accordance with the contract documents.
- 2. This bid item shall apply to subgrade preparation and furnishing and placing clean crushed aggregate in the areas identified on the plan drawings or as directed by the Owner or Engineer.
- 3. Weigh tickets from the commercial supplier for imported base aggregate that is delivered and placed shall be submitted with pay applications.
- 4. Specification Section: Plan Drawings and WVDOH Standard Specifications Road and Bridges Sections 307
- 5. Unit of Measure: TN

I. REMOVAL OF ASPHALT AND STONE

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated with the removal and disposal of asphalt and stone generated from demolition of areas identified for full depth replacement. Demolished asphalt and stone shall be stockpiled at location, or locations, specified by the Owner.
- 2. Specification Section: Contract Documents
- 3. Unit of Measure: SF

J. HANDICAP SYMBOL MARKINGS

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to furnish and install handicap symbol markings in accordance with the contract documents and in reasonably close conformity with the Plans or as established by the Engineer.
- 2. Specification Section: 321723

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3. Unit of Measure: LS

K. PARKING LOT STRIPING

1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to furnish and install parking lot striping in accordance with the contract documents and in reasonably close conformity with the Plans or as established by the Engineer. This line items should also include additional striping not identified on these plans for 560 LF of 4" white paint for future bus parking lines to be determined by the Owner.

2. Specification Section: 321723

3. Unit of Measure: LS

L. HANDICAP SIGNAGE

- This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to furnish and install handicap signage in accordance with the contract documents and in reasonably close conformity with the Plans or as established by the Engineer.
- 2. Specification Section: Plan Drawings

3. Unit of Measure: EA

M. STORMWATER PREP WORK

- 1. This bid item shall constitute full compensation for all labor, materials, tools, equipment and other costs associated to grading gravel lots for positive drainage, and storm structure inlet elevations as necessary to maintain positive drainage and match finished grade of new wearing course pavement in accordance with the contract documents and in reasonably close conformity with the lines, grades, elevations and thicknesses specified in the Plans or as established by the Engineer.
- 2. Specification Section: Plan Drawings

3. Unit of Measure: LS

N. EROSION AND SEDIMENT CONTROL

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to provide erosion and sediment control in accordance with the contract documents and in reasonably close conformity with the Plans or as established by the Engineer.
- 2. Specification Section: Plan Drawings

3. Unit of Measure: LS

O. 18" HDPE PIPE

1. The pipe installed under this bid item shall be measured and paid for by the linear feet of pipe for each of the types and sizes as specified in the contract documents or as directed by the Engineer and installed complete in place. The measurements under this item shall be the length of the various sizes and classes of pipe and fittings installed in place and accepted and shall be measured in the horizontal plane along the centerline of each pipe installed, measured centerline of tie-in to centerline of tie-in.

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- 2. The measurements under this section shall include excavation, bedding, anchors, backfilling, and furnishing all materials and doing all the work including all labor, tools, equipment, supplies, testing and incidentals necessary to complete the work.
- Fittings, concrete encasement, and concrete pipe anchors are considered incidental to 3. pipe installation.
- Specification WVDOH Standard Specifications Roads and Bridges Section 714.19 4.
- Unit of Measure: LF 5.

P. RIPRAP (STONE OUTLET PROTECTION)

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to furnish and install riprap (stone outlet protection) in accordance with the contract documents and in reasonably close conformity with the Plans or as established by the Engineer.
- 2. Specification Section: Plan Drawings
- 3. Unit of Measure: EA

Q. TYPE B INLET

- 1. This bid item shall constitute full compensation for all labor, materials, equipment and other costs associated to furnish and install drop inlet in accordance with the contract documents and in reasonably close conformity with the Plans or as established by the
- 2. This bid item shall include the location and excavation of existing utilities, excavation, grouting, pipe connection, core drilling, bedding, backfilling, frame and grate, and seeding and mulching of surrounding area disturbed during installation.
- No payment will be made for repair of existing curb or pavement damaged during Type 3. B Inlet installation.
- Specification Section: Plan Drawings 4.
- 5. Unit of Measure: EA

END OF SECTION 012200

Preston County Schools Preston County 2021 Paving Program

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GENERAL NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL PLAN AND ELEVATION DIMENSIONS OF THE VARIOUS WORK ITEMS ON THIS PROJECT. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER
- 2. 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 FIELD INVESTIGATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE STATUS AND LOCATION OF EACH UTILITY WHERE PERFORMING WORK WHICH MAY AFFECT THESE FACILITIES, INCLUDING PROBING, EXCAVATION, OR ANY OTHER PRECAUTION REQUIRED TO CONFIRM LOCATION. THE CONTRACTOR SHOULD CONTACT "MISS UTILITY OF WEST VIRGINIA" (800-254-4848) TO FIELD LOCATE ALL ABOVE AND BELOW GROUND UTILITIES IN THE AREA. THE CONTRACTOR SHALL TAKE ALL RESPONSIBLE PRECAUTIONS AGAINST DAMAGE TO EXISTING UTILITIES. HOWEVER IN THE EVENT OF DAMAGE OR DISRUPTION TO UTILITIES WHICH ARE ACTIVE AND ARE TO REMAIN IN SERVICE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE OFFICIAL OF THE ORGANIZATION OPERATING THE UTILITY INTERRUPTED. THE CONTRACTOR SHALL IMMEDIATELY LEND ALL POSSIBLE ASSISTANCE IN RESTORING SERVICES AND SHALL ASSUME ALL COST, CHARGES, OR CLAIMS CONNECTED WITH THE INTERRUPTION AND REPAIR OF SUCH SERVICES.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A VALID STATE CONTRACTOR'S LICENSE AND PAYING ALL STATE AND LOCAL B&O TAXES IF APPLICABLE.
- 4. PRESTON HIGH SCHOOL EXISTING FEATURES AND 2' CONTOURS ARE BASED ON AERIAL MAPPING PROVIDED BY THE THRASHER GROUP ON MAY 25, 2021.
- 5. THE CONTRACTOR SHALL PROVIDE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND OTHER ACTIONS AS REQUIRED BY LOCAL AND STATE REGULATIONS OR REQUESTED BY ENGINEER. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING OR MODIFYING SEDIMENT CONTROL MEASURES DURING CONSTRUCTION IN ORDER TO PREVENT EROSION.
- 6. EROSION AND SEDIMENT CONTROL DETAILS NOT SHOWN IN THE PLANS SHALL BE IN ACCORDANCE WITH THE WEST VIRGINIA DEPARTMENT OF HIGHWAYS EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION.
- 7. ALL EXCAVATION AND FILL PLACEMENT SHALL BE TO THE LINES AND GRADES AS SHOWN ON THE DRAWINGS. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING ALL LINES AND GRADES.
- 8. ALL EXCAVATIONS SHALL BE PERFORMED IN A MANNER AS TO NOT CREATE UNSTABLE CONDITIONS. SHOULD UNSTABLE CONDITIONS OCCUR DUE TO CONTRACTOR NEGLIGENCE, THE UNSTABLE CONDITIONS SHALL BE REPAIRED AND REGRADED AT NO EXPENSE TO THE OWNER. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL CUT AND/OR FILL AREAS.
- 9. ALL UNSUITABLE AND EXCESS MATERIAL SHALL BE REMOVED FROM SITE AT THE RESPONSIBILITY OF THE CONTRACTOR.
- 10. ALL FILL MUST BE COMPACTED TO 98% OF MAXIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN 3% OF OPTIMUM PER ASTM D-698. THE MAXIMUM SOIL LIFT SHALL BE 8" WITH AN 6" MAXIMUM PARTICLE SIZE.
- 11. GRADING SHALL NOT BE DONE IN SUCH A WAY TO DIVERT WATER ONTO PROPERTY OF ANOTHER LAND OWNER. EXCAVATION OR FILL SHALL NOT ENDANGER ADJOINING PROPERTY.
- 12. ALL DISTURBED AREAS MUST BE SEEDED AND MULCHED AFTER CONSTRUCTION HAS BEEN COMPLETED. BEFORE SEEDING TAKES PLACE, THE DISTURBED AREAS SHALL BE GRADED TO A SMOOTH LINE AND TOPPED WITH 4" OF TOPSOIL. (TOPSOIL MUST NOT CONTAIN AGGREGATE LARGER THAN 1"). TOPSOIL CAN BE FOUND ON SITE; IF MORE TOPSOIL IS NEEDED, A BORROW PIT CAN BE DESIGNATED.
- 13. IN THE EVENT AN ERROR WITH THE PLANS SEEMS APPARENT, THE MATTER MUST BE TAKEN UP WITH THE ENGINEER FOR CAREFUL REVIEW BEFORE PROCEEDING WITH CONSTRUCTION.
- 14. CONTRACTOR IS RESPONSIBLE FOR OBTAINING BORROW MATERIAL FOR SITE IF APPLICABLE. CONTRACTOR MUST OBTAIN ALL APPLICABLE PERMITS FOR BORROW SITE, WHICH INCLUDES ALL STATE, FEDERAL, COUNTY OR LOCAL PERMITS.
- 15. ALL QUALITY CONTROL TESTING AND INSPECTION SHALL BE PERFORMED BY A QUALIFIED TESTING AGENCY AND WILL BE PAID FOR BY THE OWNER. TESTING SHALL BE PERFORMED FOR SOILS, SUBGRADE, AGGREGATE BASE COURSE, AND ASPHALT.

DESCRIPTION

EROSION AND SEDIMENT CONTROL NOTES:

MAINTENANCE AND INSPECTION NOTES

- 1. THE CONTRACTOR SHALL CLEAN OUT SEDIMENT BEHIND THE SUPER SILT FENCE, AND/OR COMPOST FILTER SOCKS ONCE IT IS ONE THIRD OF THE HEIGHT OF THE FENCE, AND/OR SOCK. THE SEDIMENT SHALL BE INCORPORATED INTO THE FILL WITHIN THE DISTURBED AREA.
- 2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED, AT MINIMUM, ONCE EVERY 4 CALENDAR DAYS AND WITHIN 24-HOURS AFTER ANY STORM GREATER THAN 0.25-INCHES PER 24-HOUR PERIOD. ANY REQUIRED REPAIRS OR MAINTENANCE SHALL BE MADE IMMEDIATELY.

SEEDING AND MULCHING

TEMPORARY STABILIZATION

DATES: MARCH 1 THROUGH JUNE 15 SEED: OATS @ 168 LB/AC DATES: **AUGUST 15 THROUGH NOVEMBER 1** SEED: RYE @ 120 LB/AC

FERTILIZER: 10-10-10 @ 400 LB/AC

FOR STABILIZATION OUTSIDE SEEDING DATES, USE HAY OR STRAW MULCH AT 3 TONS/AC OR AT 2 TONS/AC IF ASPHALT EMULSION IS APPLIED AT 100 GAL/AC.

PERMANENT STABILIZATION

SMOOTHLY GRADED.

LIME:

MULCH:

MARCH, APRIL, AUGUST, & AUGUST SEED: KY-31 TALL FESCUE @ 50 LB/AC FERTILIZER: 10-20-10 @ 1000 LB/AC

> 3 TONS/AC OR PER SOIL TEST RESULTS HAY OR STRAW @ 2 TONS/AC OR @ 1.5 TONS/AC WITH

ASPHALT EMULSION @ 125 GAL/AC

SEEDBED PREPARATION: AREAS TO BE SEEDED SHALL BE FREE OF ROCKS AND STONES, DISKED TO A DEPTH OF 4-IN TO 6-IN, AND

- 4. SEEDING METHOD: SEED MAY BE BROADCAST BY HYDROSEEDER OR MANUALLY AS FOLLOWS: BY HAND WITH A CYCLONE SEEDER, OR FERTILIZER SPREADER. IF A MANUAL METHOD IS USED, DIVIDE THE SEED INTO TWO LOTS AND BROADCAST THE SECOND PERPENDICULAR TO THE FIRST.
- 5. TOPSOIL SHALL BE REDISTRIBUTED ON ALL DISTURBED AREAS TO BE STABILIZED PRIOR TO SEEDING PER OWNERS GMP PROGRAM.
- 6. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 4 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.
- WHERE THE INITIATION OF STABILIZATION MEASURES WITHIN 4 DAYS AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.
- 8. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED (e.g., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 14 DAYS), THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE FOURTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.
- 9. AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS AFTER SEEDING AND MULCHING MUST BE RE-SEEDED IMMEDIATELY, OR AS SOON AS WEATHER CONDITIONS ALLOW.

OWNER

MATT MURRAY MAINTENANCE SUPERVISOR PRESTON COUNTY SCHOOLS 731 PRESTON DRIVE KINGWOOD, WV, 26537 mlmurray@k12.wv.us

ENGINEER

rmilne@thethrashergroup.com

THE THRASHER GROUP, INC. ROBERT R. MILNE, P.E. 304-326-6141

MISS UTILITY 1-800-245-4848 http://www.wv811.com

QUANTITIES:

	PRESTON HIGH SCHOOL PARKING LOT SUMMARY OF ESTIMATED QUANTITIES					
ITEM	NO.	DESCRIPTION	UNIT	QUANTITY		
01	Į	MILLING	SY	12,540		
02	2	1 1/2" OVERLAY WEARING HMA, TYPE I	TN	2,010		
03	3	8" BASE AGGREGATE	TN	3 60		
04	4 {	2 1/2" BASE AGGREGATE (SUBBBASE REPAIR)	TN	1,420		
05	5	2 1/2" BASE COURSE HMA, TYPE II	TN	1,420		
06	5	5" BASE COURSE HMA, TYPE II	TN	230		
07	7	SEPARATION FABRIC	SY	770		
08	3	SHOULDER STONE	TN	50		
09)	REMOVAL OF ASPHALT AND STONE	SF	6,855		
10)	HANDICAP SYMBOL MARKINGS	LS	1		
11		PARKING LOT STRIPING	LS	1		
17	, ~~~	HANDICAP SIGNAGE	EA	8		
13	3	STORMWATER PREP WORK }	LS	1		
		EROSION AND SEDIMENT CONTROL	LS			
15	5	18" HDPE PIPE	LF	253		
16	5	RIPRAP (STONE OUTLET PROTECTION)	EA	1		
17	7	TYPE B INLET	EA	2		

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NO. BY DATE



SCALE: AS SHOWN	
DRAWN:	DATE:
CHECKED:	DATE:
APPROVED:	DATE:
SURVEY DATE:	
SURVEY BY:	
FIELD BOOK No.	

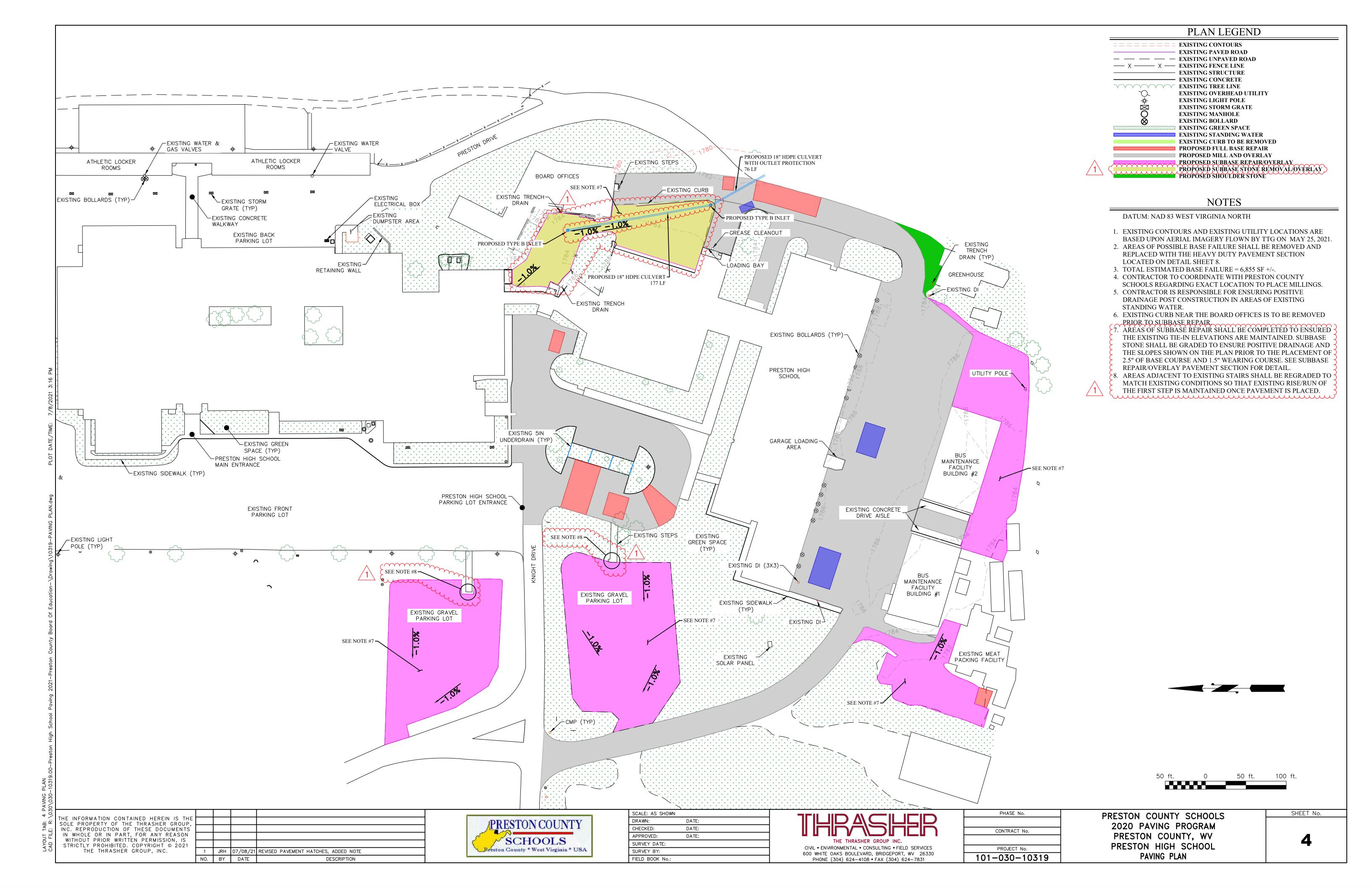


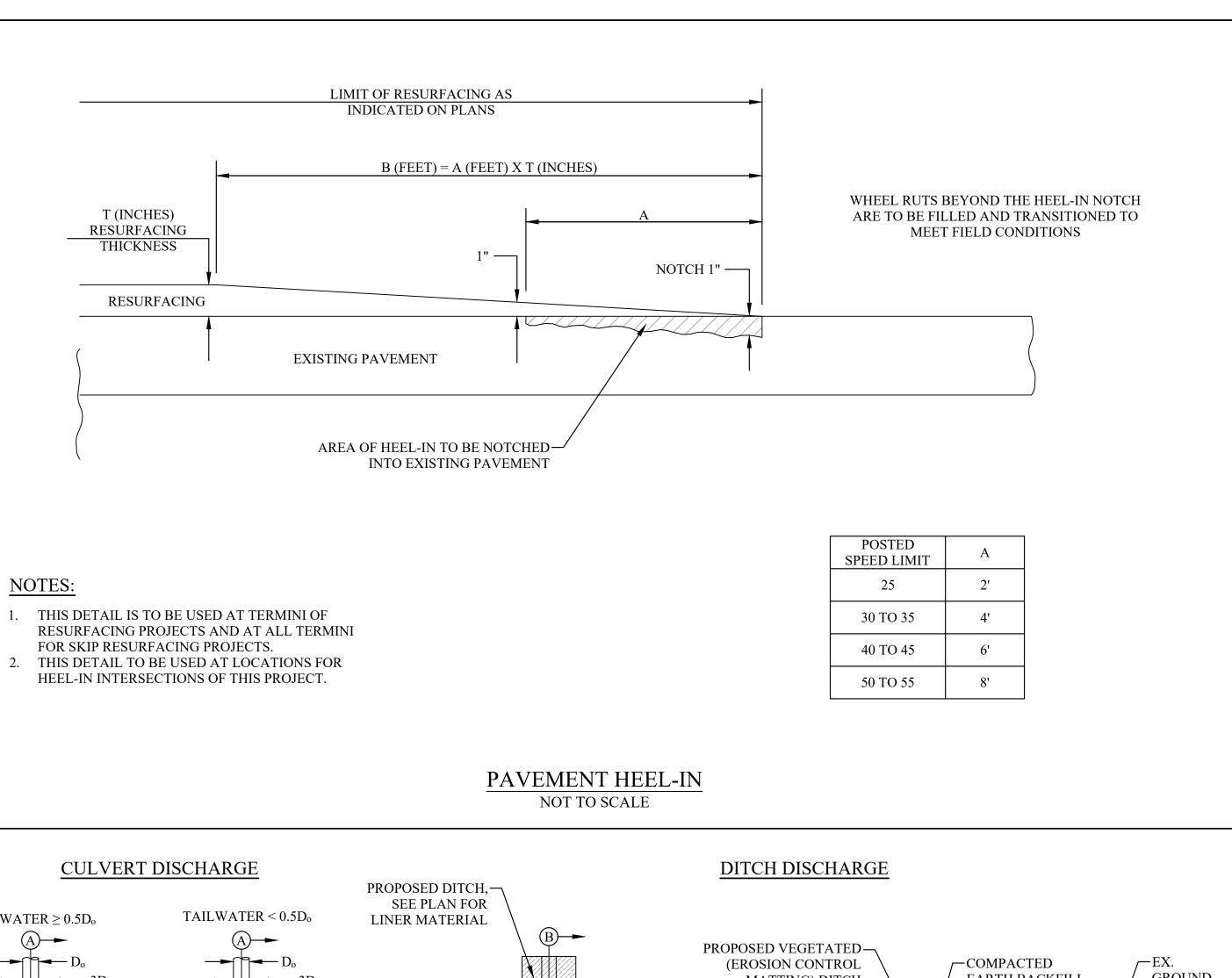
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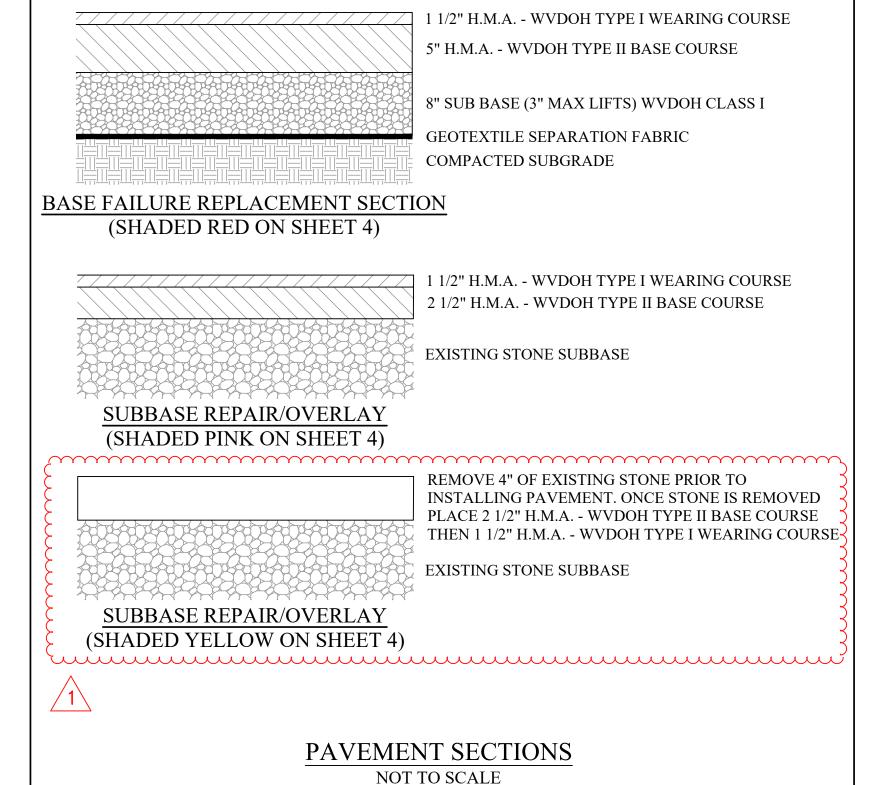
PRESTON COUNTY SCHOOLS 2020 PAVING PROGRAM PRESTON COUNTY, WV

GENERAL NOTES

SHEET No.







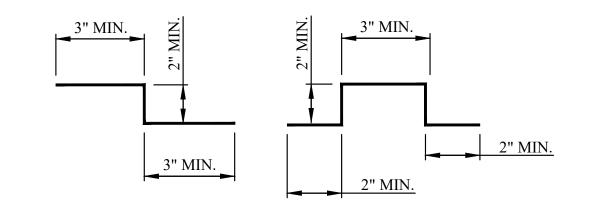
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- 1. UNLESS OTHERWISE SPECIFIED ON THE PLANS, TYPE B INLETS ARE TO BE CONSTRUCTED IN THE SHAPE SHOWN.
- 2. CONSTRUCTION MAY BE CAST-IN-PLACE, PRECAST IN ONE OR MORE MULTIPLE
- SECTIONS, OR ANY COMBINATION OF CAST-IN-PLACE AND PRECAST.
- 3. OPTIONAL CONSTRUCTION JOINTS LABELED "CJ" MAY BE ROUGHENED CONCRETE, KEYED OR DOWELED AS PER THE TYPICAL DETAILS SHOWN HEREIN, OR AS APPROVED BY THE ENGINEER. NON SHRINK GROUT MEETING THE REQUIREMENTS OF SUBSECTION 715.5 OF THE SPECIFICATIONS MAY BE USED TO A DEPTH OF 1/2" FOR LEVELING BETWEEN PRECAST SECTIONS. THICKER DEPTHS WILL BE ALLOWED AS PER THE MANUFACTURER'S RECOMMENDATIONS.
- 4. THE FINAL INSTALLED TOP SURFACE OF INLET AND GRATE SHALL BE FLUSH WITH ADJACENT FINISHED SURFACES.
- 5. THE CONTRACTOR MAY, AT HIS OPTION, OMIT USE OF THE SHALLOW FRAME BY FORMING A LEDGE IN THE CONCRETE.
- 6. SPECIAL CARE SHALL BE EXERCISED IN FORMING THE 2" WIDE CONCRETE LEDGE TO PROVIDE A SMOOTH, EVEN SURFACE FOR SUPPORTING THE GRATE IF A FRAME IS NOT USED. NO PROJECTIONS SHALL EXIST ON THE GRATE AND THE GRATE SHALL SEAT ON THE LEDGE WITHOUT ROCKING.
- 7. FIBRE FORM SHALL BE REMOVED PRIOR TO COMPLETION OF THE PROJECT.
- 8. PC (MINIMUM PIPE COVER) SHALL BE MINIMUM 24" BELOW INLET TOP FOR PIPES PLACED UNDER PAVEMENT OR SHOULDER.
- 9. THE MINIMUM DISTANCE FROM THE TOP OF ANY PIPE OPENING TO ANY
- CONSTRUCTION JOINT ABOVE THE OPENING SHALL BE FOUR (4) INCHES.
- 10. THE NUMBER AND LOCATION OF PIPE OPENINGS SHALL BE AS SHOWN IN THE PLANS. THE CONTRACTOR AT NO ADDITIONAL COST, SHALL BE RESPONSIBLE FOR ANY TEMPORARY BRACING REQUIRED TO TRANSPORT PRECAST INLET SECTIONS DUE TO MULTIPLE OPENINGS.
- 11. PROVIDE INLET PROTECTION AFTER INSTALLATION. INLET PROTECTION SHALL BE PROVIDED BY CONTRACTOR ONCE DITCH AROUND INLET HAS BEEN STABILIZED.



SHEET No.

CONSTRUCTION JOINT DETAILS

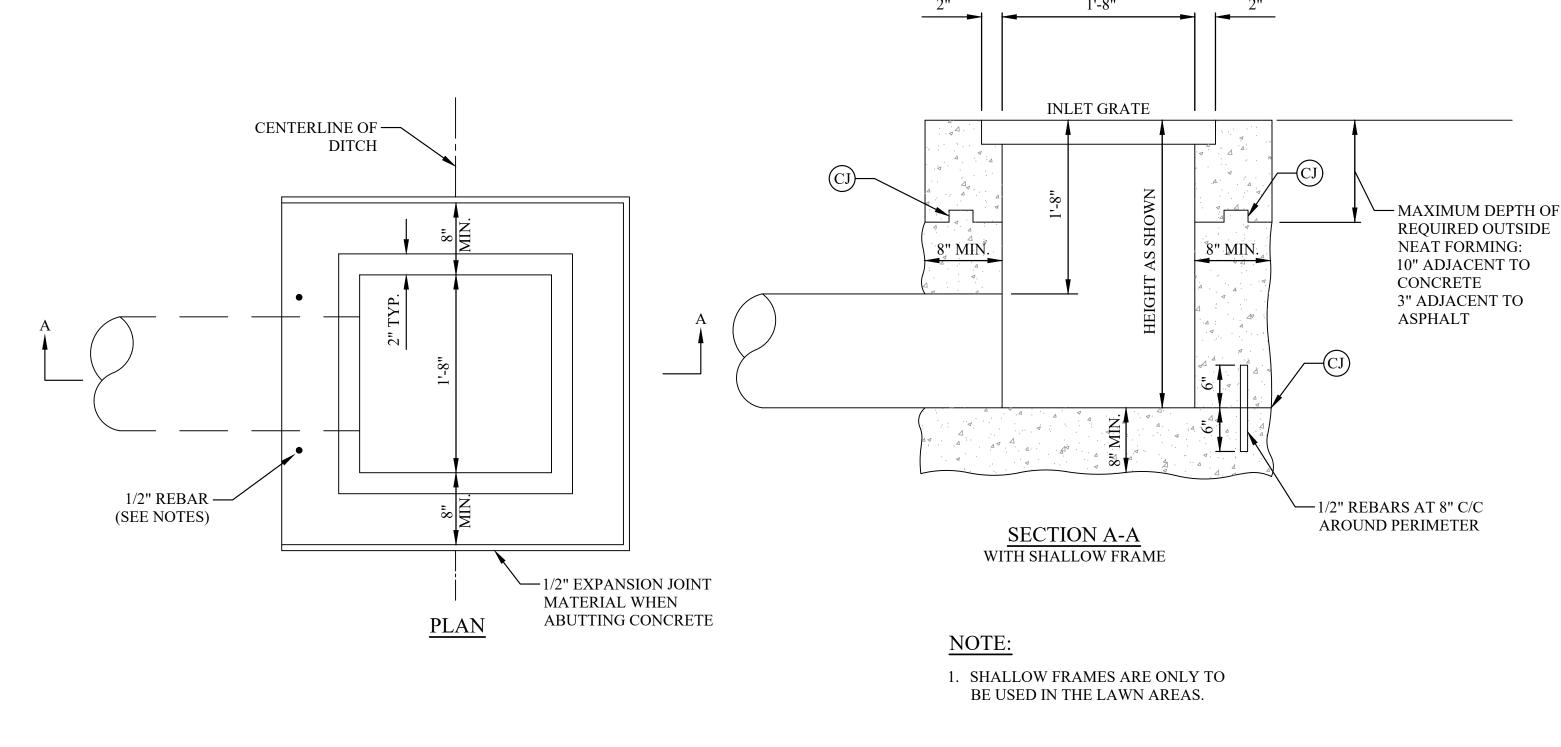
PRESTON COUNTY SCHOOLS

2020 PAVING PROGRAM

PRESTON COUNTY, WV

PRESTON HIGH SCHOOL

DETAILS

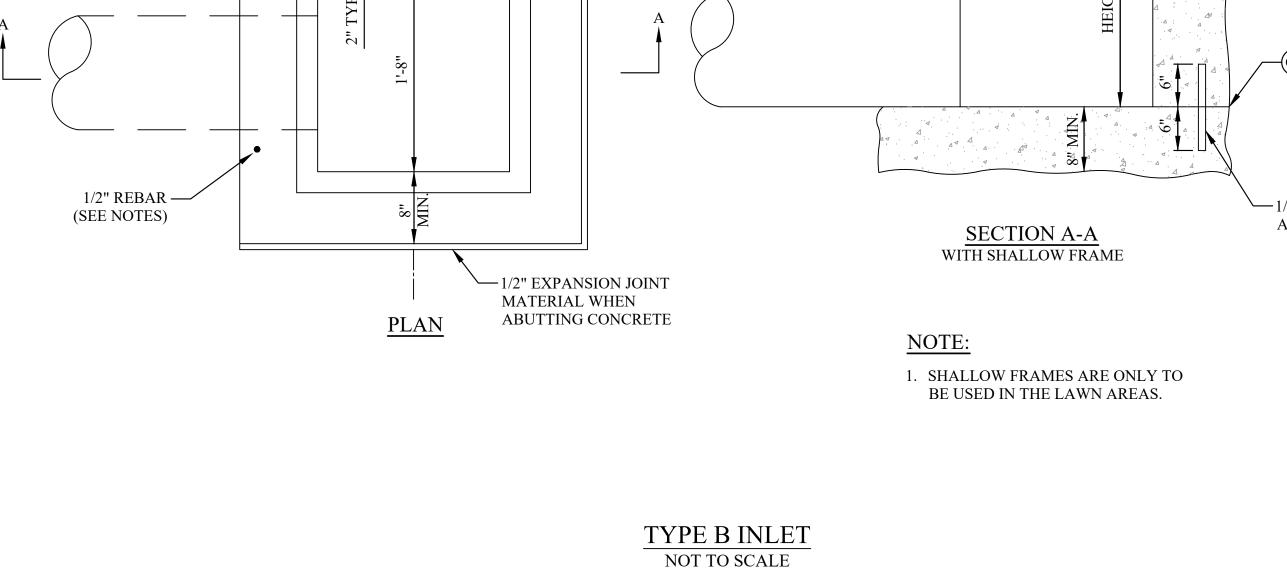


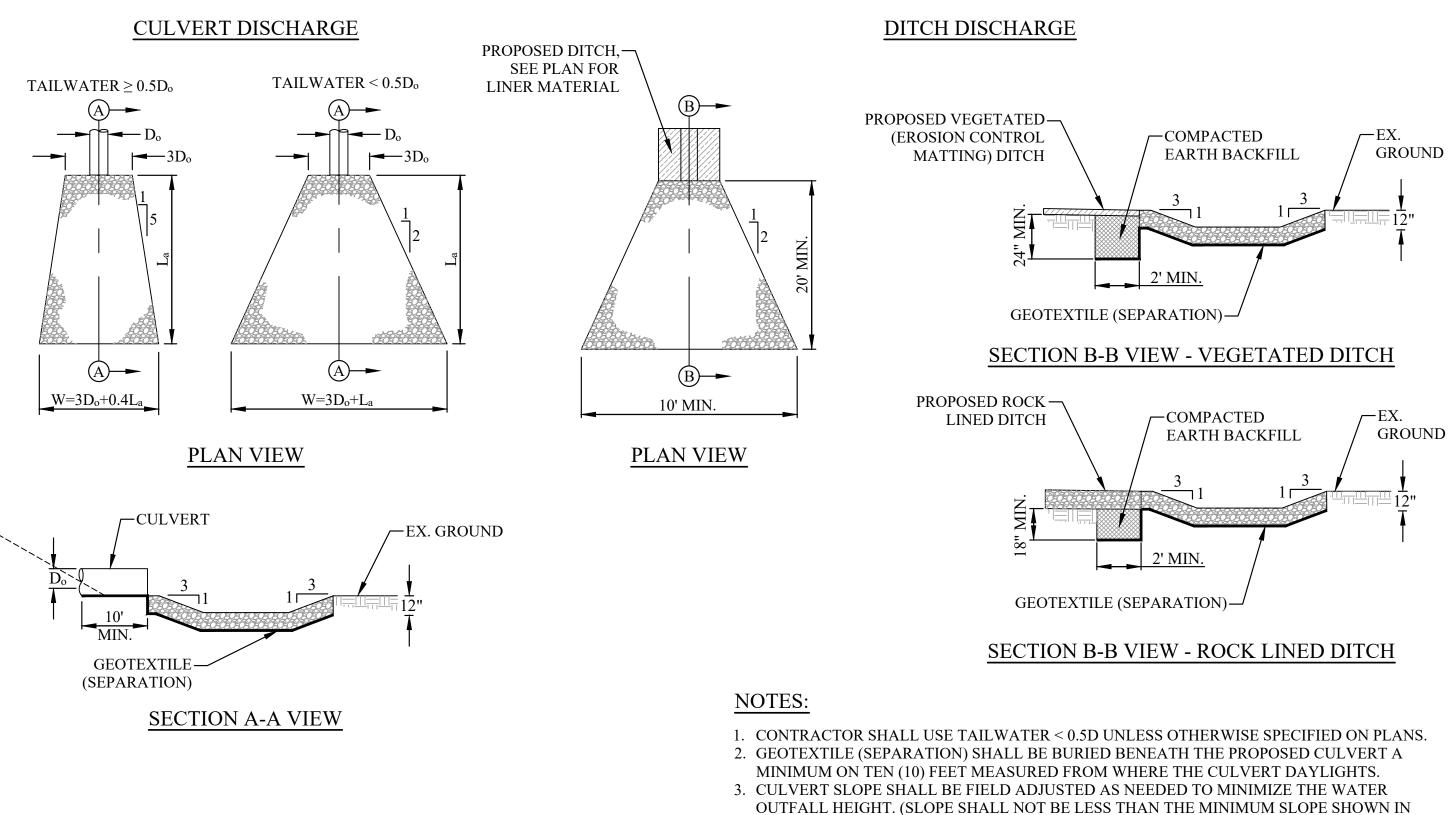
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CONTRACT No.

PROJECT No.

101-030-10319





PROPOSED CULVERT DETAIL OR NOTED ON PLANS.)

4. THE WATER OUTFALL HEIGHT SHALL NOT EXCEED TWO (2) FEET.

6. LENGTH OF OUTLET PROTECTION SHALL EXTEND BEYOND THE TOE OF ANY FILL

PRESTON COUNTY

SCHOOLS

ston County * West Virginia * USA

SCALE: AS SHOWN

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APPROVED:

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FIELD BOOK No.

SURVEY BY:

5. THE MAXIMUM AGGREGATE SIZE SHALL BE TWELVE (12) INCH.

SLOPE SO AS TO DISCHARGE ONTO UNDISTURBED GROUND.

OUTLET PROTECTION

NOT TO SCALE

JRH 07/08/21 ADDED SECTION DETAIL

DESCRIPTION

NO. BY DATE

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