



ADDENDUM NO. 2

TO: Interested Parties

FROM: Brennan Garrett, Senior Architectural Project Manager
Division of Engineering

DATE: Monday, September 9, 2019

PROJECT: **WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER,
PHASE-1 SITE DEVELOPMENT
CONTRACT NO. MS-TC-266-28**

Acknowledge receipt of this **Addendum No. 2** by signing in the space provided below and returning with your Bid.

Failure to sign and return with your Bid may subject the Bidder to disqualification. This **Addendum No. 2** forms a part of the Bid Documents, it supplements and modifies them as outlined herein.

This **Addendum No. 2** consists of 77 pages, including this page.

I hereby acknowledge receipt of **Addendum No. 2**:

By: _____ Date _____
Signed Name

Typed Name

Title

For (Firm): _____

Phone Number: _____

ADDENDUM NO. 2

**WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER,
PHASE-1 SITE DEVELOPMENT**

Washington County Contract No. MS-TC-266-28

Date Issued: Monday, September 9, 2019

Bids Due (Original ITB): **September 11, 2019**
2:00 p.m., Local Time

“REVISED” BID DUE DATE: FRIDAY, SEPTEMBER 13, 2019
2:00 P.M. Local Time

The following addendum material is hereby made a part of the Bid Documents.

Please note the following changes, information, and/or instructions in connection with the proposed work and submit proposals accordingly.



Brennan Garrett
Senior Architectural Project Manager
Division of Engineering

By Authority of:
Board of County Commissioners
Washington County, Maryland



Scott Hobbs, P.E.
Director
Division of Engineering

ADDENDUM NO. 2

WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER, PHASE-1 SITE DEVELOPMENT

County Contract No. MS-TC-266-28

TO: All prime Contractors and all others to whom specifications have been issued.

ITEM 1.01 “REVISED” BID DUE DATE, shall be incorporated into the Bid Documents.

Revise Invitation To Bid “Advertisement” (Page ITB-2) the first paragraph to read as follows:

The Board of County Commissioners of Washington County, Maryland, will accept sealed bids for the Washington County Public Safety Training Center, Phase 1 – Site Development, Contract No. MS-TC-266-28 until SEPTEMBER 13, 2019 at 2:00 p.m.

Revise Invitation To Bid the first paragraph to read as follows:

The Board of County Commissioners of Washington County, Maryland, will accept sealed bids for the **Washington County Public Safety Training Center, Phase 1 – Site Development, Contract No. MS-TC-266-28**. Bids will be received and time-stamped in the **Division of Engineering**, County Administrative Annex, 80 West Baltimore Street, Hagerstown, MD 21740-6003, until **2:00 P.M. Friday, SEPTEMBER 13, 2019** after which time they will be publicly opened in a conference room of the County Administrative Annex. Bids received after this time will be returned unopened.

Revise Invitation To Bid paragraph 1.01. “Bid Due Date” as follows:

The Board of County Commissioners of Washington County, Maryland, will accept sealed bids for the **Washington County Public Safety Training Center, Phase 1 – Site Development, Contract No. MS-TC-266-28**. Bids will be received and time-stamped in the Division of Engineering and Construction Management, County Administrative Annex, 80 West Baltimore Street, Hagerstown, MD 21740-6003, until **2:00 P.M. Friday, SEPTEMBER 13, 2019**, after which time they will be publicly opened in a conference room of the County Administrative Annex. Bids received after this time will be returned unopened. Inquires regarding this bid should be directed to the County’s Project Manager, **Brennan Garrett** at telephone **240-313-2474**, Fax **240-313-2401** or email **ecbidquestions@washco-md.net**.

Also refer to General Conditions, Section 2 – Bidding Requirements and Conditions

ITEM 1.02 **BID QUESTIONS & RESPONSES**, received by the deadline on September 4, 2019: (consisting of 5 Pages) (**Attachment A**), shall be incorporated into the Bid Documents.

ADDENDUM NO. 2

**WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER,
PHASE-1 SITE DEVELOPMENT**

County Contract No. MS-TC-266-28

ITEM 1.03 **CHANGES/REVISIONS TO THE SPECIAL PROVISIONS AS NOTED:**

(Attachment B) (consisting of 3 Total Pages)

Incorporate the following into the Bid Document;

ADD:

Incorporate Item Nos. 2006-CONTINGENT: GEOTEXTILE, 3037-

CONTINGENT: SELECT BACKFILL USING AASHTO CR-6

AGGREGATE, 8030-6-INCH SDR26 SEWER LINE, 8031 CONTINGENT:

SEWAGE BYPASS PUMPING into the Special Provisions;

DELETE/REMOVE:

From the Bid Document;

Item No. 8017 - SEWER MANHOLE ADJUSTMENT

ITEM 1.04 **CHANGES /REVISIONS TO THE BID FORMS**

(Attachment C) (consisting of 29 Total Pages)

Incorporate the following into the Bid Document;

DELETE/REMOVE:

From the Bid Document;

The entire Bid Form section from the Bid Document

INSERT:

Incorporate into the Bid Document; The entire Revised Bid Forms (consisting of 29 pages)

NOTES: **Deleted line Item No. 8017 SEWER MANHOLE ADJUSTMENT** from the schedule of prices.

Added line Item Nos. 2006 CONTINGENT: GEOTEXTILE, 3037 CONTINGENT: SELECT BACKFILL USING AASHTO CR-6 AGGREGATE, 8030 6-INCH SDR 26 SEWER PIPE AND 8031 CONTINGENT: SEWAGE BYPASS PUMPING to the schedule of prices.

Revised quantities in the schedule of prices for Item Nos. 3001 12-INCH HDPE STORM PIPE (DUAL WALL), 3002 15-INCH HDPE STORM PIPE (DUAL WALL), 3013 INLET PROTECTION, 8014 10-INCH DIP WATERLINE, 8015 6-INCH DIP WATERLINE AND 8016 8-INCH SDR26 SEWER LINE.

ADDENDUM NO. 2

WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER, PHASE-1 SITE DEVELOPMENT

County Contract No. MS-TC-266-28

ITEM 1.05 **CHANGES /REVISIONS TO THE BID PACKET**
(Attachment D) (consisting of 29 Total Pages)
Incorporate the following into the Bid Document;

DELETE/REMOVE:

From the Bid Document;

The entire Bid Packet.

INSERT:

Incorporate into the Bid Document; The entire Revised Bid Packet (consisting of 29 pages)

NOTES: **Deleted line Item No. 8017 SEWER MANHOLE ADJUSTMENT** from the schedule of prices.

Added line Item Nos. 2006 CONTINGENT: GEOTEXTILE, 3037 CONTINGENT: SELECT BACKFILL USING AASHTO CR-6 AGGREGATE, 8030 6-INCH SDR SEWER PIPE AND 8031 CONTINGENT: SEWAGE BYPASS PUMPING to the schedule of prices.

Revised quantities in the schedule of prices for Item Nos. 3001 12-INCH HDPE STORM PIPE (DUAL WALL), 3002 15-INCH HDPE STORM PIPE (DUAL WALL), 8014 10-INCH DIP WATERLINE, 8015 6-INCH DIP WATERLINE AND 8016 8-INCH SDR26 SEWER LINE.

NOTICE: **THE REVISED BID PACKET FORMS PROVIDED WITH THIS ADDENDUM MUST BE COMPLETED AND SUBMITTED WITH YOUR BID.**

Attachments:

1. Pre-Bid Questions and Responses – (**Attachment A**) (consisting of **5** pages)
2. Revisions to the Special Provisions – (**Attachment B**) (consisting of **3** pages)
3. Revisions to the Bid Forms – (**Attachment C**) (consisting of **29** pages)
4. Revisions to the Bid Packet – (**Attachment D**) (consisting of **29** pages)
5. Sewage Bypass Pumping Specification – (**Attachment E**) (consisting of **5** pages)

END OF ADDENDUM NO. 2



Attachment A
WASHINGTON COUNTY
PUBLIC SAFETY TRAINING CENTER
CONTRACT NO. MS-TC-266-28

Bid Questions/Response received via fax/email by the 16:30 Hrs. 9/4/2019 Deadline.

• **Questions received from C. William Hetzer. Inc.**

1. **Bid Form:** Before we prepare our formal bid document, would you please confirm your intent to issue new bid forms to incorporate the applicable quantity adjustment and added pay items.

Response 1

The Bid Forms and the Bid Packet have been reissued as part of Addendum No.2.

2. **Item 2001 – Unclassified Excavation:** Please confirm the Contractor is not responsible for third part soil compaction testing.

Response 2

The contractor shall be responsible for material testing including soil compaction testing as indicated on pages “TP-3 through TP-5 of the Bid Document. Payment for all material testing and geotechnical engineering services shall be incidental to the pertinent pay items specified in the contract.

3. **Dust Control Requirements:** Please confirm that dust control efforts shall be left to the discretion of the Contractor. Otherwise, please provide an appropriate pay item, or otherwise clarify.

Response 3

Dust control efforts shall be left to the discretion of the contractor.

4. **Item 2001 – Unclassified Excavation:** Bid document page 12 of 68, paragraph 2001.4 describes the inclusion of “disposing of excess and unsuitable materials”. As an exception, can excess stripped topsoil be left on site in a stabilized stockpile?

Response 4

Excess stripped topsoil shall be removed from the site.

5. **Item 2004 – Contingent: Unsuitable Material Excavation:** Bid document page 14 of 68 describes acceptable backfill materials for replacing unsuitable excavation. Is the cost of furnishing and placing this backfill to be measured and paid separately?

Response 5

Item No. 2004 Contingent: Unsuitable Material Excavation pays for excavation of unsuitable material only. Item No. 2002 Common Borrow or Item no. 3037 Contingent: Select Backfill using CR6 Aggregate may be used for replacing unsuitable excavation.

6. **Item 3001 – 12-Inch HDPE:** There appears to be a discrepancy in the quantity required within the bid form. According to the bid form, 90-LF is proposed; however, the design profiles indicate 142- LF of pipe. Please clarify.

Response 6

The Bid Forms and Bid Packet have been reissued to reflect corrected quantities for this item.

7. **Item 3002 – 15” HDPE:** There appears to be a discrepancy in the quantity required within the bid form. According to the bid form, 550-LF is proposed; however, the design profiles indicate 508-LF of pipe. Please clarify.

Response 7

The Bid Forms and Bid Packet have been reissued to reflect corrected quantities for this item.

8. **Item 3003 – 18” HDPE:** There appears to be a discrepancy in the quantity required within the bid form. According to the bid form, 630-LF is proposed; however, the design profiles indicate 626-LF of pipe. Please clarify.

Response 8

After review, the County has decided not to revise this line item.

9. **Item 3005 – 15” Corrugated Metal Pipe:** Please clarify where this item is to be utilized on the project and provide applicable profiles and details.

Response 9

This item will be used to replace the existing culvert pipes located under the existing gravel entrance road and under the existing paved entrance to the pumping station. The existing culvert pipes were incorrectly labeled on the construction drawings as RCP pipes. Please note that Item No. 3034 will also be used in these locations.

10. **Item 3009 – Remove Existing Storm Drain Pipe:** In accordance with the design specifications, this pay item is for the removal, disposal, backfill, compaction and turf establishment. Please clarify the following:

- (a) **Plan Sheet C-0.01 indicates Existing Gravel Entrance road and (3) Culvert pipes to be relocated. What type and size pipes are to be relocated? How will this work be measured and paid?**

Response 10(a)

The existing 15-inch culvert pipes are to be removed and replaced with new 15-inch corrugated metal pipes with new CMP end sections. Removal of these pipes will be measured and paid under

Item No. 3009 Remove Existing Storm Drain Pipe and installation of the new culvert pipes will be measured and paid under Item Nos. 3005 15-Inch Corrugated Metal Pipe and 3034 5-Inch Standard Corrugated Metal End Section.

- (b) **Plan Sheet C-1.00 indicates (3) Ex. 15” RCP Pipes to be moved or replaced for road widening. How will the removal, reinstallation or replacement be measured and paid?**

Response 10(b)

These existing culvert pipes are to be removed and replaced with new 15-inch corrugated metal pipes with new CMP end sections. Removal of these pipes will be measured and paid under Item No. 3009 Remove Existing Storm Drain Pipe and installation of the new culvert pipes will be measured and paid under Item Nos. 3005 15-Inch Corrugated Metal Pipe and 3034 5-Inch Standard Corrugated Metal End Section.

- (c) **Who will decide if the existing pipe will be permitted to be reinstalled or replaced?**

Response 10(c)

These culvert pipes will all be replaced as part of this project.

11. **Item 3013 – Inlet Protection: Since the number of inlets required for the project, is greater than the number of inlet protection devices shown on the bid form, please adjust the bid form to account for the corrected number of inlets (inclusive of the Yard Inlet and Nyloplast inlets).**

Response 11

The Bid Forms and Bid Packet have been reissued to reflect the correct number of inlet protection devices.

12. **Disposition of Existing Utilities: Please confirm that any and all possible utility company charges associated with the relocation and/or protection of existing overhead and underground utilities will be paid by others.**

Response 12

Utility company charges associated with the relocation and/or protection of existing overhead and underground utilities will be paid by the County.

13. **Item 8013 – Concrete Vault: In accordance with the project specifications, the proposed meter vault is to be supplied in accordance with the City of Hagerstown Standards; however, as indicated on the design plan and profile, the meter vault is to be “Upgraded”. Please clarify.**

Response 13

The proposed water meter vault has been sized to allow for the water meter to be upgraded from a 4-inch to a 6-inch meter to allow for future expansion.

14. **Item 8013 – Concrete Vault: Per the standard City of Hagerstown detail, the City Water Department will be responsible for the purchasing, supplying and installation of the internal plumbing of the vault. Please confirm.**

Response 14

Refer to the City of Hagerstown “4” UL/FM METER FOR FUTURE VAULT UPGRADE” detail on drawing number C-1.12 for contractor responsibilities.

15. Item 8014 – 10-Inch Dip Water Line: Please confirm all service tap fees are not the responsibility of the Contractor.

Response 15

Service tap fees are not the responsibility of the contractor.

16. Item 8016 – 8-Inch SDR 26 Sewer Pipe: There appears to be a discrepancy within the bid form. According to the bid form, 875-LF is proposed; however, the design profiles indicate 820-LF of pipe. Please clarify.

Response 16

The Bid Form and Bid Packet have been reissued to reflect corrected quantities.

17. Please provide the applicable pay item for the proposed 72-LF of 6” SDR 26 Sewer Pipe.

Response 17

Bid Forms and Bid Packet will be reissued to reflect a pay item for 6-inch SDR 26 sewer pipe.

18. Item 8017 – Sewer Manhole Adjustment: Please clarify where this work is to be provided.

Response 18

This item has been deleted from the Bid Forms and Bid Packet.

19. Item 8016 – 8-Inch SDR26 Sewer Pipe: Please confirm all service tap fees are not the responsibility of the Contractor.

Response 19

Sewer tap fees are not the responsibility of the contractor.

20. Item 8016 – 8-Inch SDR26 Sewer Pipe: Will the Contractor be required to reconstruct the flow channel within Existing MH 160? Please clarify the following:

Response 20

Please note that if the core machine is not able to continue through the existing bench into the existing flow channel thus creating the new flow channel then the contractor will need to reconstruct the flow channel. Reconstruction of the flow channel will be incidental to this item.

(a) If the Contractor is required to reconstruct the flow channel, will by-pass pumping be required while the manhole invert is under reconstruction?

Response 20(a)

If the channel needs to be reconstructed, then bypass pumping will be required.

(b) 20b. Will the County provide by-pass pumping while the manhole invert is under reconstruction?

Response 20(b)

The County will not provide bypass pumping. This will be provided by the contractor as needed.

- (c) **If the County will not provide by-pass pumping, please provide the flow volumes within this manhole in order to determine the requirements of the by-pass pumping.**

Response 20(c)

A minimum pump rate of 310gpm and a primary and backup pump will be required.

- (d) **Please provide a pay item, as applicable, for By-Pass Pumping.**

Response 20(d)

The Bid Form and Bid Packet have been reissued to reflect a contingent pay item for Bypass Pumping.

21. Plan Sheet 5 – Detail 1: Pavement Section for Work Within SHA R.O.W:

This detail requires geotextile under SHA GAB stone base. Please clarify measurement and payment for this geotextile.

Response 21

The Bid Forms and Bid Packet will be reissued to reflect a pay item for geotextile.

• **Questions received from Triton Construction**

- 22. On the General Notes on the cover sheet reference note, number 54 states the high plastic clay soils are expected to be encountered at footing subgrade elevations and that these soils will require undercutting and backfilling with lean concrete. This contract is for the site development portion only and we are not expecting to construct any building footers; therefore, I assume that any footer undercutting and backfill will be performed under the building contract? If this is not the case, how will the undercutting and lean concrete backfill be paid?**

Response 22

Footing construction for the future Training Center Building is not part of the Site Development Contract. This work will be performed under a separate contract.

- 23. Page TP-4, Section B - SOILS, reference the last paragraph: This paragraph references the placement of concrete footings and verifying the soil net bearing pressure by a Maryland licensed Geotechnical Engineer. This work should be by the Building Contractor and not the Site Contractor. Please confirm.**

Response 23

Excavation, verifying soil net bearing pressure and placement of concrete for the future building footing is not part of the Site Development contract. This work will be performed under a separate contract.

END OF QUESTIONS



ATTACHMENT B - SPECIAL PROVISIONS

**WASHINGTON COUNTY
PUBLIC SAFETY TRAINING CENTER
CONTRACT NO. MS-TC-266-28**

2006 CONTINGENT: GEOTEXTILE

.01 DESCRIPTION: Contingent Geotextile and Geogrid shall consist of furnishing and placing one or the other material in locations where Select Backfill has been determined by the Engineer to be used in place of Unsuitable Material. The Engineer shall determine which item is to be used.

.02 MATERIALS:

A. **Geotextile** for Subgrade Stabilization—Class ST 921.09.01 of MSHA Standard Specifications

B. **Geogrid** – Biaxial Polypropylene with a minimum Ultimate Tensile Strength of 1310 x 1,970 lb/ft

.03 CONSTRUCTION:

A. Preparation: Excavate and replace pockets of very weak or pumping soils with granular fill. Smooth and level area by removing depressions or humps by grading.

Installation: Install the rolls oriented in the direction needed for maximum strength.

Overlap requirements depend on CBR values of the subgrade:

CBR >3, overlap 12 – 18 inches

CBR 1-3, overlap 24 – 40 inches

CBR < 0.5, must be sewn

Secure Geotextile in place with pins, staples, piles of soil, granular cover material or other suitable means to avoid shifting or movement during fill placement. Loosely place fill directly on the Geotextile in 8 – 12 inch lifts. Rubber tired vehicles and trucks may drive on the uncovered Geotextile at speeds less than 10 mph. Avoid all sharp turns or sudden stops. Overlap any damaged Geotextile by a minimum of 36 inches in all directions. Keep stored Geotextile elevated from the ground and covered with a tarpaulin or opaque plastic.

B. Preparation: The surface should be fairly smooth and free of stumps, objects and debris that may damage the Geogrid.

Installation: Unroll on the subgrade and apply tension to eliminate wrinkles. Overlap requirements depend on the strength of the subgrade:

CBR \leq 2, overlap 2 feet in either direction.

CBR $>$ 2, overlap 1 foot in either direction.

Adjacent Geogrid rolls should be overlapped in the direction of anticipated fill spreading. Low ground pressure tractors and low tire pressures (less than 4 psi) are recommended for hauling and spreading fill over soft subgrade. Back dump specified fill materials onto the Geogrid where the subgrade is most stable and then spread the fill over the Geogrid out toward the weaker subgrade. Haul trucks should not drive on the fill material until total compacted fill thickness has been achieved.

.04 MEASUREMENT AND PAYMENT: Contingent Geotextile and Geogrid will be measured and paid at the Contract unit price bid per square yard. Payment will be full compensation for all material, labor, equipment, testing, tools, and incidentals necessary to complete the work.

3037 CONTINGENT: SELECT BACKFILL USING AASHTO CR-6 AGGREGATE

.1 DESCRIPTION: Adhere to Section 302.01 of the MSHA Standard Specifications.

.2 MATERIALS: Adhere to Section 302.02 of the MSHA Standard Specifications.

.3 CONSTRUCTION: Adhere to Section 302.03 of the MSHA Standard Specifications.

.4 MEASUREMENT AND PAYMENT: Adhere to Section 302.04 of the MSHA Standard Specifications.

8030 6- INCH SDR26 SEWER LINE

.1 DESCRIPTION: Adhere to Washington County Division of Environmental Management, Department of Water Quality, Standard Specifications for Construction of Sanitary Sewage and Water Facilities Standards (www.washco-md.net/wp-content/uploads/2018/11/dem-dwq-StdSpec.pdf)

.2 MATERIALS: Adhere to the Standards Specifications.

.3 CONSTRUCTION: Adhere to the Standard Specifications.

.4 MEASUREMENT AND PAYMENT: Payment for furnishing and placing waste water lines, complete, will be measured and paid at the Contract Unit Price per linear foot. Coring

the existing manhole, standpipe termination and making the sewer line tap will be incidental to this line item. The payment will be full compensation for all other labor, equipment, tools, and incidentals to satisfactorily complete the work. This includes, but is not limited to, furnishing and placing all pipe, fittings, together with appurtenances, jointing material, concrete anchors and buttresses, tie rods and clamps, all plugging or capping existing pipe, all excavation and refill operations, providing an approved spoil site and disposing of all spoil or excess material, trench bedding, and backfill as per the Contract Documents.

8031 CONTINGENT: SEWAGE BYPASS PUMPING

- .1 DESCRIPTION:** The contractor shall implement a temporary pumping system for the purpose of diverting the existing flow around the work area to complete the work of the proposed project. The design, installation and operation of the temporary pumping system shall be the Contractor's responsibility. The bypass system shall meet the requirements of all codes and regulatory agencies having jurisdiction. The Owner's pre-approval is required for bypass pumping between the hours of 8 pm and 7 AM. The Contractor shall adhere to Washington County Division of Environmental Management, Department of Water Quality, Standard Specifications for Construction of Sanitary Sewage and Water Facilities Standards (www.washco-md.net/wp-content/uploads/2018/11/dem-dwq-StdSpec.pdf) and to the Sewage Bypass Pumping Specification (Attachment E)..
- .2 MATERIALS:** Adhere to the Washington County Division of Environmental Management, Department of Water Quality, Sewage Bypass Pumping Specification (Attachment-E).
- .3 CONSTRUCTION:** Adhere to the Washington County Division of Environmental Management, Department of Water Quality, Sewage Bypass Pumping Specification (Attachment-E).
- .4 MEASUREMENT AND PAYMENT:** Contingent: Sewage Bypass Pumping will not be measured but paid at the Contract lump sum price. The payment will be for full compensation for all labor, inspections, testing, equipment, tools, and incidentals to satisfactorily complete the work. This includes, but is not limited to, furnishing and placing all pumps, pipe, fittings, together with appurtenances, jointing material, concrete anchors and buttresses, tie rods and clamps, all plugging or capping existing pipe, all excavation and refill operations, providing an approved spoil site and disposing of all spoil or excess material, trench bedding, and backfill as per the Contract Documents.

Addendum No. 2

Attachment C

BID FORMS

WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER PHASE-1 SITE DEVELOPMENT

COUNTY CONTRACT NO. MS-TC-266-28

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PROPOSAL FORM

**WASHINGTON COUNTY
PUBLIC SAFETY TRAINING CENTER
PHASE-1 SITE DEVELOPMENT**

COUNTY CONTRACT NO. MS-TC-266-28

**THE BOARD OF COUNTY COMMISSIONERS
WASHINGTON COUNTY
HAGERSTOWN, MARYLAND**

Proposal of

(Name)

(Address)

to furnish and deliver all materials and to do and perform all work in accordance with Plans, Specifications, General Conditions, Special Provisions, Bid Documents and Contract Documents relating to the **WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER PHASE-1 SITE DEVELOPMENT** in Washington County, State of Maryland, on which proposals will be received until **2:00 P.M., Friday, SEPTEMBER 13, 2019.**

TO: The Board of County Commissioners of
Washington County, Maryland
100 W. Washington Street
Hagerstown, MD 21740

Gentlemen:

Having carefully examined the Plans, Specifications, General Conditions, Special Provisions, Bid Documents and Contract Documents for the work herein before named, and in conformity with the Specifications, I/We hereby certify that I/We am/are the only person or persons interested in this proposal as principal(s), that it is made without collusion with any person, firm or corporation; that an examination has been made of the Plans, Specifications, General Conditions, Bid Documents and Contract Documents, including the Special Provisions contained herein, and of the site of the work, and propose to furnish all necessary machinery, plant, equipment, tools, labor and other means of construction, and furnish all materials specified, in the manner and at the time prescribed, and perform all work for the sum of

(Written Words)

(Figures)

BID AFFIDAVIT

1. Authorized Representative:

I HEREBY DECLARE AND AFFIRM that I am _____
(Title)

and duly authorized representative of firm of _____ whose
address is _____ and that I am
duly authorized on behalf of said firm to make this Affidavit.

2. Bribery:

I FURTHER DECLARE AND AFFIRM that neither I, nor, to the best of my knowledge,
information and belief, the above firm, nor any officer, director or partner of the above
firm, nor any employee of the above firm directly involved in obtaining contracts with
the State of Maryland, or any county or other subdivision of the State of Maryland, has
been convicted* of bribery, attempted bribery, or conspiracy to bribe under the laws of
any state or the Federal Government; except as herein expressly stated (if any):

_____.

* As used herein, the word "convicted" includes an accepted plea of nolo contendere.

3. Non Collusion:

In connection with the firm's price proposal for the above-captioned Contract, as
submitted to Washington County, I HEREBY DECLARE AND AFFIRM, to the best of
my knowledge, information and belief, that:

- a. Said proposal has been independently prepared without collusion by any officer,
director, partner, employee or other representative of this firm, with any other
proposer, or with any competitor; that

- b. No attempt has been or, hereafter, will be made by any officer, director, partner, employee or other representative of this firm to induce any other person, firm or entity to submit or not submit a proposal; that
- c. Any unit or total price in this proposal has not been knowingly disclosed and will not be knowingly disclosed prior to its official opening, directly or indirectly, to any other bidder or to any competitor; and, that
- d. I have fully informed myself regarding the accuracy of the statements contained herein.

I acknowledge that this Affidavit is to be furnished to the Secretary of the Maryland Department of Transportation and may be distributed to boards, commissions, administrations, departments and agencies of the State of Maryland, counties or other subdivisions of the State of Maryland, other States and Federal Government. I further acknowledge that this Affidavit is subject to applicable laws of the State of Maryland, both criminal and civil, and that this Affidavit is to be attached to and become a part of the Contract when and if awarded and executed.

I FURTHER HEREBY DECLARE AND AFFIRM that I and the firm I herein represent, acknowledge and agree that if any misrepresentation is herein made, the Board of County Commissioners of Washington County, Maryland in their discretion, shall have the right to reject this proposal or terminate the Contract, without liability, as the case may be.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THE FOREGOING DOCUMENT ARE TRUE AND CORRECT, AND THAT I AM AUTHORIZED, ON BEHALF OF THE ABOVE FIRM, TO MAKE THIS AFFIDAVIT.

By: _____
Signed Name of Affiant

Date _____

Typed Name

Title

For: _____
Firm

State of _____:

County (City) of _____:

On this _____ day of _____, 20__,

before me, _____, the undersigned officer, personally appeared _____

known to me to be the person described in the foregoing Affidavit and acknowledged that he (she) executed the same in the capacity therein stated and for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

SEAL Notary Public

My Commission Expires _____

CERTIFICATION OF WORK CAPACITY

I do solemnly declare and affirm that the firm stated below has the equipment, labor, supervision and financial capacity to perform this Contract either with our organization or with Subcontractors, as provided in GP-Section 8 of the MSHA Specifications.

We shall supply such additional information as may be required in accordance with GP-Section 3 of the MSHA Specifications.

By: _____
Signed Name of Affiant

Date _____

Typed Name

Title

For: _____
Firm

Sworn to before me this _____ day of _____, 20__

Notary Public

SEAL

My Commission Expires _____

SUB-CONTRACTOR LISTING

The Contractor will name below the Item or Items he proposes to sublet, their dollar value, the name of the subcontractor or subcontractors and check the "Minority Business Enterprise" column if the named subcontractor so considers itself as per the definition contained elsewhere herein these specifications.

ITEM NO.	DOLLAR VALUE	SUBCONTRACTOR	MINORITY BUSINESS ENTERPRISE

PROPOSAL GUARANTY

The amount and type of the proposal guarantee which shall be attached to and submitted with the bid depends upon the amount of the bid as stated below:

A Bid Security of \$500.00 will be required on Contract Proposals under \$20,000.

A Bid Security totaling 5% of the bid amount will be required on Contract Proposals of \$20,000 or over.

Acceptable security for bids shall be as follows:

1. A bond in a form satisfactory to the County underwritten by a company licensed to issue bonds in this State;
2. A bank certified check, bank cashier's check, bank treasurer's check, or cash

I/We understand that the quantities of work as shown herein are approximate only and are subject to increase or decrease, and further understand that all costs in connection with the complete performance of the work as described in the Plans, Specifications, General Conditions Special Provisions, Bid Documents and Contract Documents shall be included in the Contract price bid for the entire work to be performed under this Contract.

IT IS FURTHER PROPOSED:

To do all "Extra Work" which may be required to complete the work contemplated at unit prices or lump sums to be agreed upon in writing prior to starting such extra work, or, if such prices or sums cannot be agreed upon, to perform such work on a "Force Account" basis, as provided for in Section 9, GP-9.02, of the MSHA Specifications.

To begin work as specified in the "Notice to Proceed" and to prosecute said work so as to complete the Contract within **180** consecutive calendar days.

To furnish a Payment Bond, and a Labor and Material Payment Bond, in the full amount of Contract award, as security for the construction and completion of the Contract in accordance with the Plans, Specifications, General Conditions, Special Provisions, Bid Documents and Contract Documents.

To guarantee all of the work performed under this Contract to be done in accordance with the Plans, Specifications, General Conditions, Special Provisions, Bid Documents and Contract Documents in a good workmanlike manner and to renew or repair any work which may be rejected due to defective materials or workmanship, prior to final completion and acceptance of the work.

Enclosed herewith find certified cashier's or treasurer's check or bid bond in the amount of _____ Dollars (\$_____) made payable to the "Board of County Commissioners of Washington County, Maryland". This certified cashier's or treasurer's check or bid bond in a Proposal Guarantee (which is understood will be forfeited in the event

the Form or Contract is not executed, if awarded to the undersigned), is based on the aggregate amount of the bid submitted.

(For execution by Individuals and Partnerships or Corporations)

FOR INDIVIDUALS AND PARTNERSHIPS:

Name: _____

By: _____
(Member) (Seal)

By: _____
(Member) (Seal)

Witness: _____

FOR CORPORATIONS:

Name: _____

By: _____
(President) (Seal)

Attest: _____
(Secretary)

The Proposal Form shall be filled out in ink. The Proposal, if submitted by an individual, shall be signed by an individual; if submitted by a partnership, shall be signed by such member or members of the partnership as have authority to bind the partnership; if submitted by a corporation the same shall be signed by an officer and attested by the Secretary or an Assistant Secretary. If not signed by an officer, as aforesaid, there must be attached a copy of that portion of the by-laws, or a copy of a Board Resolution, duly certified by the Secretary, showing the authority of the person so signing on behalf of the corporation. In lieu thereof, the corporation may file such evidence with the Board of County Commissioners of Washington County, Maryland duly certified by the Secretary, together with a list of the names of those officers having authority to execute documents on behalf of the corporation, duly certified by the Secretary, which listing shall remain in full force and effect until such time as the Board of County Commissioners of Washington County, Maryland is advised in writing to the contrary. In any case where a Proposal is signed by an Attorney-in-Fact a copy of the appointing document, duly certified must accompany the same.

BID LETTER

In order for a Proposal to be considered, it is necessary that the following guaranty from Surety be executed.

The _____ agrees to act as surety for _____
(Name of Bonding Company) (Name of Bidder)

and to furnish the full amount of Proposal Guaranty as required by GP-Section 2 of the MSHA Specifications.

The aforementioned Bonding Company will also furnish the full amount of the Performance Bond and Labor and Material Payment Bond as required by GP-Section 3 of the MSHA Specifications.

The guaranty is effective for the 90 days following the bid opening date, as specified in GP-Section 3 of the MSHA Specifications, unless this time period is modified by the Special Provisions or extended by mutual agreement between the County, the Bonding Company, and the Contractor.

WITNESS:

	(Date)
_____	_____
(Typed Name of Surety)	(Signed Name of Surety)
_____	_____
(Typed Name and Title of Witness)	(Signed Name of Witness)
_____	_____
(Seal)	(Typed Name and Telephone Number of local agent)

NOTE 1: Signatories other than Principals must attach "Power of Attorney". Failure to execute the Contract and file acceptable Performance and Payment Bonds shall preclude awarding the Contract and require forfeiture of the Proposal Guaranty, all as detailed in GP-Section 3 of the MSHA Specifications.

NOTE 2: Failure of the Bidder to execute the Contract and file acceptable security shall be just cause for annulment of the award and the forfeiture of the proposal guaranty, which shall become property of the County as sustained liquidated damages. Award may then be made to the next lowest responsive, responsible Bidder or the work may be re-advertised. Failure to have this Bid Letter executed by Surety and submitted with Proposal will result in rejection of Bid.

BID BOND

A Bid Bond shall be submitted on American Institute of Architects Document A310, February 1970 Edition; to be furnished by the bidder.

SUMMARY SCHEDULE OF PRICES

WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER
PHASE-1 SITE DEVELOPMENT

Category 1000	\$ _____
Category 2000	\$ _____
Category 3000	\$ _____
Category 5000	\$ _____
Category 6000	\$ _____
Category 7000	\$ _____
Category 8000	\$ _____
PROJECT TOTAL.....	\$ _____

BID FORMS PUBLIC SAFETY TRAINING CENTER - PHASE-1 SITE DEVELOPMENT

CONTRACT NO. MS-TC-266-28

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
1001		LUMP SUM	L.S.	CLEARING AND GRUBBING	_____	___	_____	___
1002		LUMP SUM	L.S.	TYPE "B" ENGINEER'S OFFICE	_____	___	_____	___
1003		LUMP SUM	L.S.	MAINTENANCE OF TRAFFIC	_____	___	_____	___
1004		150	S.F.	TEMPORARY TRAFFIC SIGNS	_____	___	_____	___
1005		300	L.F.	5 INCH WHITE TEMPORARY PAVEMENT MARKING PAINT LINES	_____	___	_____	___
1006		300	L.F.	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS – ANY WIDTH	_____	___	_____	___
1007		100	EA.	DRUMS FOR MAINTENANCE OF TRAFFIC	_____	___	_____	___
1008		500	L.F.	CONTINGENT: TEMPORARY ORANGE CONSTRUCTION FENCE	_____	___	_____	___
Category <u>1000</u>					Total This Sheet		_____	___

BF-13

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
1009		25	TON	CR-6 FOR MAINTENANCE OF TRAFFIC	_____	___	_____	___
1010		LUMP SUM	L.S.	CONSTRUCTION STAKEOUT	_____	___	_____	___
1011		LUMP SUM	L.S.	MOBILIZATION	_____	___	_____	___
1012		LUMP SUM	L.S.	AS-BUILT DRAWINGS	_____	___	_____	___
1013		LUMP SUM	L.S.	CRITICAL PATH METHOD PROJECT SCHEDULE	_____	___	_____	___
1014		1	E.A.	CONSTRUCTION SITE SIGN PER DETAIL (SEE PROJECT DETAILS SECTION)	_____	___	_____	___
END Category <u>1000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
2001		29,100	C.Y.	UNCLASSIFIED EXCAVATION	_____	___	_____	___
2002		58,500	C.Y.	COMMON BORROW – TYPE 1	_____	___	_____	___
2003		50	C.Y.	CONTINGENT: TEST PIT EXCAVATION	_____	___	_____	___
2004		2,000	C.Y.	CONTINGENT: UNSUITABLE MATERIAL EXCAVATION	_____	___	_____	___
2005		1,000	C.Y.	CONTINGENT: GEOSYNTHETIC STABILIZED SUBGRADE USING GRADED AGGREGATE BASE	_____	___	_____	___
2006		850	SY	CONTINGENT: GEOTEXTILE	_____	___	_____	___
END Category <u>2000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
3001		140	L.F.	12-INCH HDPE STORM PIPE (DUAL WALL)	_____	___	_____	___
3002		508	L.F.	15-INCH HDPE STORM PIPE (DUAL WALL)	_____	___	_____	___
3003		630	L.F.	18-INCH HDPE STORM PIPE (DUAL WALL)	_____	___	_____	___
3004		400	L.F.	44-INCH SPAN BY 27-INCH RISE (INSIDE DIMENSIONS) REINFORCED CONCRETE ARCH PIPE	_____	___	_____	___
3005		175	L.F.	15-INCH CORRUGATED METAL PIPE	_____	___	_____	___
3006		2	EA.	15-INCH CONCRETE END SECTION (ON END OF HDPE PIPE)	_____	___	_____	___
3007		2	EA.	18-INCH CONCRETE END SECTION (ON END OF HDPE PIPE)	_____	___	_____	___
3008		1	EA.	YARD INLET	_____	___	_____	___
Category <u>3000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
3009		175	L.F.	REMOVE EXISTING STORM DRAIN PIPE, ANY SIZE	_____	___	_____	___
3010		10	TON	TEMPORARY STONE OUTLET STRUCTURE	_____	___	_____	___
3011		3,000	L.F.	SILT FENCE	_____	___	_____	___
3012		750	L.F.	DIVERSION FENCE	_____	___	_____	___
3013		11	EA.	INLET PROTECTION	_____	___	_____	___
3014		1	EA.	STABILIZED CONSTRUCTION ENTRANCE	_____	___	_____	___
3015		2,600	LF	SUPER SILT FENCE	_____	___	_____	___
3016		10	S.Y.	CONTINGENT: STONE FOR SEDIMENT CONTROL	_____	___	_____	___
Category <u>3000</u>					Total This Sheet		_____	___

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ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
3017		45	S.Y.	CLASS I RIPRAP OUTLET PROTECTION	_____	___	_____	___
3018		70	S.Y.	CLASS II RIPRAP OUTLET PROTECTION	_____	___	_____	___
3019		2	EA.	CAST-IN-PLACE SPECIAL CONCRETE END/HEAD WALL	_____	___	_____	___
3020		1,000	C.Y.	CONT. SELECT BACKFILL USING AASHTO NO 57 AGGREGATE	_____	___	_____	___
3021		100	C.Y.	CONTINGENT: FLOWABLE BACKFILL	_____	___	_____	___
3022		10	EA.	SWM – MICRO-BIORETENTION – NYPLOPLAST INLETS	_____	___	_____	___
3023		2530	S.Y.	SWM – MICRO-BIORETENTION – 30 MIL PVC	_____	___	_____	___
3024		1200	L.F.	SWM – MICRO-BIORETENTION - 4-INCH PVC SLOTTED PIPE	_____	___	_____	___
Category <u>3000</u>					Total This Sheet		_____	___

BF-18

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
3025		22	E.A.	4-INCH PVC CLEANOUT WITH WATERTIGHT SCREW LID	_____	___	_____	___
3026		130	C.Y.	SWM – MICRO-BIORETENTION - MULCH	_____	___	_____	___
3027		1050	C.Y.	SWM – MICRO-BIORETENTION – SOIL MIX	_____	___	_____	___
3028		340	C.Y.	SWM – MICRO-BIORETENTION – NO. 8 STONE	_____	___	_____	___
3029		340	C.Y.	SWM – MICRO-BIORETENTION – NO. 2 STONE	_____	___	_____	___
3030		10	C.Y.	CONTINGENT: MISCELLANEOUS - CONCRETE MIX NO. 2	_____	___	_____	___
3031		LUMP SUM	L.S.	GEOTECHNICAL SERVICES FOR SWM AS-BUILT CERTIFICATION	_____	___	_____	___
3032		280	L.F.	UNDERDRAINS, SUBGRADE DRAINS, AND SPRING CONTROL	_____	___	_____	___
3033		65	C.Y.	NO. 57 GRAVEL DIAPHRAGM	_____	___	_____	___
Category <u>3000</u>					Total This Sheet		_____	___

3034		12	EA.	15-INCH STANDARD CORRUGATED METAL END SECTION	_____	___	_____	___
3035		6	EA.	24-INCH NYLOPLAST DRAIN BASIN WITH SOLID TOP (SEE PROJECT DETAIL SECTION)	_____	___	_____	___
3036		510	CY	SWM-10 MICRO BIO-RETENTION CLAY CORE	_____	___	_____	___
3037		1000	CY	CONTINGENT: SELECT BACKFILL USING AASHTO CR-6 AGGREGATE	_____	___	_____	___
END Category <u>3000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
5001		20,000	S.Y.	6 INCH GRADED AGGREGATE BASE COURSE	_____	___	_____	___
5002		200	TON	SUPERPAVE ASPHALT MIX FOR SURFACE 12.5MM (PG 64H-22)	_____	___	_____	___
5003		6,800	TON	SUPERPAVE ASPHALT MIX FOR BASE 19.0MM (PG-64S-22)	_____	___	_____	___
5004		20,000	EA	PRICE ADJUSTMENT FOR ASPHALT BINDER	1	00	20,000	00
5005		5,000	EA	PAYMENT ADJUSTMENT FOR PAVEMENT DENSITY	1	00	5,000	00
5006		5,000	EA	PAYMENT ADJUSTMENT FOR ASPHALT MIX	1	00	5,000	00
5007		260	S.Y.	0-2 INCH MILL	_____	___	_____	___
Category <u>5000</u>					Total This Sheet		_____	___

BF-21

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
5008		560	L.F.	FULL DEPTH SAW CUTS	_____	___	_____	___
5009		1020	L.F.	5-INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	_____	___	_____	___
5010		30	L.F.	24-INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	_____	___	_____	___
END Category <u>5000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
6001		160	L.F.	STANDARD TYPE 'A' COMBINATION CURB AND GUTTER	_____	___	_____	___
6002		1330	L.F.	STANDARD TYPE 'D' COMBINATION CURB AND GUTTER	_____	___	_____	___
6003		625	L.F.	DEPRESSED CURB FOR COMBINATION CONCRETE CURB AND GUTTER	_____	___	_____	___
6004		850	S.F.	CONCRETE SIDEWALK	_____	___	_____	___
6005		40	S.F.	DETECTABLE WARNING SURFACE	_____	___	_____	___
END Category <u>6000</u>					Total This Sheet		_____	___

7001		14,500	S.Y.	PLACING SALVAGED TOPSOIL, 4-INCH DEPTH	_____	___	_____	___
7002		1,000	S.Y.	CONTINGENT: PLACING FURNISHED TOPSOIL, 4-INCH DEPTH	_____	___	_____	___
7003		6,800	S.Y.	CONTINGENT: TEMPORARY SEED AND MULCH	_____	___	_____	___
7004		6,400	S.Y.	TYPE-A SOIL STABILIZATION MATTING	_____	___	_____	___
7005		5,500	S.Y.	TURFGRASS ESTABLISHMENT	_____	___	_____	___
7006		26	EA	CORNUS SERICEA / REDOSIER DOGWOOD	_____	___	_____	___
7007		2,395	EA	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED	_____	___	_____	___
7008		80	EA	CHASMANTHIUM LATIFOLIUM / NORTHERN SEA OATS	_____	___	_____	___
Category <u>7000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
7009		2,340	EA	LOBELIA CARDINALS / CARDINAL FLOWER	_____	___	_____	___
7010		40	EA.	PANICUM VIRGATUM 'HEAVY METAL' / SWITCHGRASS	_____	___	_____	___
7011		10	EA.	BETULA NIGRA / RIVER BIRCH	_____	___	_____	___
7012		5	EA.	MAGNOLIA VIRINGIANA / SWEETBAY MAGNOLIA	_____	___	_____	___
7013		5	E.A.	VIBURNUM DETATUM 'BLUE MUFFIN'/ARROWWOOD	_____	___	_____	___
END Category <u>7000</u>					Total This Sheet		_____	___

BF-25

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
8001		20	S.F.	SHEET ALUMINUM SIGNS	_____	___	_____	___
8002		5	EA	WOOD SIGN SUPPORTS	_____	___	_____	___
8003		1	EA	REMOVE/RELOCATE EXISTING GROUND MOUNTED SIGN	_____	___	_____	___
8004		5	C.Y.	CONCRETE FOR LIGHT POLE FOUNDATIONS	_____	___	_____	___
8005		250	L.F.	(1) 3-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (GAS LINE)	_____	___	_____	___
8006		625	L.F.	(1) ¾-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (PARKING LOT LIGHTS)	_____	___	_____	___
8007		200	L.F.	(2) 1-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (ROAD SIGN DATA)	_____	___	_____	___
8008		1080	L.F.	(2) 2-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (ROAD SIGN POWER)	_____	___	_____	___
Category <u>8000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
8009		900	L.F.	(6) 4-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (FIBER/TELEPHONE/CABLE/SPARE)	_____	___	_____	___
8010		70	L.F.	(4) 4-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (FUTURE TACTICAL VILLAGE)	_____	___	_____	___
8011		990	L.F.	(2) 5-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (POWER LINE)	_____	___	_____	___
8012		5	L.F.	(3) 5-INCH SCHEDULE 40 PVC CONDUIT WITH CAP AND PULL STRING TRENCHED (POWER LINE EXTENSION)	_____	___	_____	___
8013		1	EA.	CONCRETE VAULT (7'W X 9'L X 7'-6" H)	_____	___	_____	___
8014		2040	L.F.	10-INCH DIP WATERLINE	_____	___	_____	___
8015		150	L.F.	6-INCH DIP WATERLINE	_____	___	_____	___
8016		820	L.F.	8-INCH SDR26 SEWER LINE	_____	___	_____	___
Category <u>8000</u>					Total This Sheet		_____	___

8017				(ITEM REMOVED)	_____	___	_____	___
8018		5	EA.	STANDARD PRECAST 48-INCH SEWER MANHOLE	_____	___	_____	___
8019		4	EA	FIRE HYDRANT ASSEMBLY	_____	___	_____	___
8020		4	EA	BOLLARD PROTECTION	_____	___	_____	___
8021		7	EA	ELECTRICAL HANDHOLE	_____	___	_____	___
8022		3	EA	EXTERIOR JUNCTION BOX	_____	___	_____	___
8023		1	E.A.	THREE PHASE JUNCTION BOX	_____	___	_____	___
8024		9	E.A.	GROUND ROD-3/4 INCH DIAMETER X 10 FT LENGTH	_____	___	_____	___
8025		90	L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	_____	___	_____	___
Category <u>8000</u>					Total This Sheet		_____	___

8026		1	EA.	REMOVAL OF EXISTING WATER METER	_____	___	_____	___
8027		9	EA	25-FOOT SQUARE STEEL LIGHT POLE	_____	___	_____	___
8028		5	EA	TYPE-S1 150 WATT LED PARKING AREA LIGHT	_____	___	_____	___
8029		4	EA	TYPE-S2 150 WATT LED PARKING AREA LIGHT	_____	___	_____	___
8030		72	LF	6-INCH SDR 26 SEWER PIPE	_____	___	_____	___
8031		LUMP SUM	LS	CONTINGENT: SEWAGE BY-PASS PUMPING	_____	___	_____	___
END Category <u>8000</u>					Total This Sheet		_____	___

Addendum No. 2
Attachment D

WASHINGTON COUNTY, MARYLAND
DIVISION OF ENGINEERING

BID PACKET

SEPTEMBER 2019

**WASHINGTON COUNTY
PUBLIC SAFETY TRAINING CENTER
(PHASE-1 - SITE DEVELOPMENT)**

COUNTY CONTRACT NO. MS-TC-266-28
COUNTY PROJECT NO. 28-266

**WASHINGTON COUNTY
BOARD OF COUNTY COMMISSIONERS**

Jeffrey A. Cline, President
Terry L. Baker, Vice President
Wayne K. Keefer
Cort F. Meinelschmidt
Randall E. Wagner

Robert Slocum, P.E., County Administrator

Scott Hobbs, P.E., Director, Division of Engineering

DESIGN ENGINEERS:

Crabtree, Rohrbaugh & Associates - Architect
KCI Technologies – Civil Engineer
ECS Mid-Atlantic, LLC – Geotechnical Engineer

SET NO.: _____

BID FORMS

WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER
PHASE-1 SITE DEVELOPMENT

COUNTY CONTRACT NO. MS-TC-266-28

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PROPOSAL FORM

**WASHINGTON COUNTY
PUBLIC SAFETY TRAINING CENTER
PHASE-1 SITE DEVELOPMENT**

COUNTY CONTRACT NO. MS-TC-266-28

**THE BOARD OF COUNTY COMMISSIONERS
WASHINGTON COUNTY
HAGERSTOWN, MARYLAND**

Proposal of

(Name)

(Address)

to furnish and deliver all materials and to do and perform all work in accordance with Plans, Specifications, General Conditions, Special Provisions, Bid Documents and Contract Documents relating to the **WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER PHASE-1 SITE DEVELOPMENT** in Washington County, State of Maryland, on which proposals will be received until **2:00 P.M., Friday, SEPTEMBER 13, 2019.**

TO: The Board of County Commissioners of
Washington County, Maryland
100 W. Washington Street
Hagerstown, MD 21740

Gentlemen:

Having carefully examined the Plans, Specifications, General Conditions, Special Provisions, Bid Documents and Contract Documents for the work herein before named, and in conformity with the Specifications, I/We hereby certify that I/We am/are the only person or persons interested in this proposal as principal(s), that it is made without collusion with any person, firm or corporation; that an examination has been made of the Plans, Specifications, General Conditions, Bid Documents and Contract Documents, including the Special Provisions contained herein, and of the site of the work, and propose to furnish all necessary machinery, plant, equipment, tools, labor and other means of construction, and furnish all materials specified, in the manner and at the time prescribed, and perform all work for the sum of

(Written Words)

(Figures)

BID AFFIDAVIT

1. Authorized Representative:

I HEREBY DECLARE AND AFFIRM that I am _____
(Title)

and duly authorized representative of firm of _____ whose
address is _____ and that I am
duly authorized on behalf of said firm to make this Affidavit.

2. Bribery:

I FURTHER DECLARE AND AFFIRM that neither I, nor, to the best of my knowledge,
information and belief, the above firm, nor any officer, director or partner of the above
firm, nor any employee of the above firm directly involved in obtaining contracts with
the State of Maryland, or any county or other subdivision of the State of Maryland, has
been convicted* of bribery, attempted bribery, or conspiracy to bribe under the laws of
any state or the Federal Government; except as herein expressly stated (if any):

_____.

* As used herein, the word "convicted" includes an accepted plea of nolo contendere.

3. Non Collusion:

In connection with the firm's price proposal for the above-captioned Contract, as
submitted to Washington County, I HEREBY DECLARE AND AFFIRM, to the best of
my knowledge, information and belief, that:

- a. Said proposal has been independently prepared without collusion by any officer,
director, partner, employee or other representative of this firm, with any other
proposer, or with any competitor; that

- b. No attempt has been or, hereafter, will be made by any officer, director, partner, employee or other representative of this firm to induce any other person, firm or entity to submit or not submit a proposal; that
- c. Any unit or total price in this proposal has not been knowingly disclosed and will not be knowingly disclosed prior to its official opening, directly or indirectly, to any other bidder or to any competitor; and, that
- d. I have fully informed myself regarding the accuracy of the statements contained herein.

I acknowledge that this Affidavit is to be furnished to the Secretary of the Maryland Department of Transportation and may be distributed to boards, commissions, administrations, departments and agencies of the State of Maryland, counties or other subdivisions of the State of Maryland, other States and Federal Government. I further acknowledge that this Affidavit is subject to applicable laws of the State of Maryland, both criminal and civil, and that this Affidavit is to be attached to and become a part of the Contract when and if awarded and executed.

I FURTHER HEREBY DECLARE AND AFFIRM that I and the firm I herein represent, acknowledge and agree that if any misrepresentation is herein made, the Board of County Commissioners of Washington County, Maryland in their discretion, shall have the right to reject this proposal or terminate the Contract, without liability, as the case may be.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THE FOREGOING DOCUMENT ARE TRUE AND CORRECT, AND THAT I AM AUTHORIZED, ON BEHALF OF THE ABOVE FIRM, TO MAKE THIS AFFIDAVIT.

By: _____
Signed Name of Affiant

Date _____

Typed Name

Title

For: _____
Firm

State of _____:

County (City) of _____:

On this _____ day of _____, 20__,

before me, _____, the undersigned officer, personally appeared _____

known to me to be the person described in the foregoing Affidavit and acknowledged that he (she) executed the same in the capacity therein stated and for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

SEAL Notary Public

My Commission Expires _____

CERTIFICATION OF WORK CAPACITY

I do solemnly declare and affirm that the firm stated below has the equipment, labor, supervision and financial capacity to perform this Contract either with our organization or with Subcontractors, as provided in GP-Section 8 of the MSHA Specifications.

We shall supply such additional information as may be required in accordance with GP-Section 3 of the MSHA Specifications.

By: _____
Signed Name of Affiant

Date _____

Typed Name

Title

For: _____
Firm

Sworn to before me this _____ day of _____, 20__

Notary Public

SEAL

My Commission Expires _____

SUB-CONTRACTOR LISTING

The Contractor will name below the Item or Items he proposes to sublet, their dollar value, the name of the subcontractor or subcontractors and check the "Minority Business Enterprise" column if the named subcontractor so considers itself as per the definition contained elsewhere herein these specifications.

ITEM NO.	DOLLAR VALUE	SUBCONTRACTOR	MINORITY BUSINESS ENTERPRISE

PROPOSAL GUARANTY

The amount and type of the proposal guarantee which shall be attached to and submitted with the bid depends upon the amount of the bid as stated below:

A Bid Security of \$500.00 will be required on Contract Proposals under \$20,000.

A Bid Security totaling 5% of the bid amount will be required on Contract Proposals of \$20,000 or over.

Acceptable security for bids shall be as follows:

1. A bond in a form satisfactory to the County underwritten by a company licensed to issue bonds in this State;
2. A bank certified check, bank cashier's check, bank treasurer's check, or cash

I/We understand that the quantities of work as shown herein are approximate only and are subject to increase or decrease, and further understand that all costs in connection with the complete performance of the work as described in the Plans, Specifications, General Conditions Special Provisions, Bid Documents and Contract Documents shall be included in the Contract price bid for the entire work to be performed under this Contract.

IT IS FURTHER PROPOSED:

To do all "Extra Work" which may be required to complete the work contemplated at unit prices or lump sums to be agreed upon in writing prior to starting such extra work, or, if such prices or sums cannot be agreed upon, to perform such work on a "Force Account" basis, as provided for in Section 9, GP-9.02, of the MSHA Specifications.

To begin work as specified in the "Notice to Proceed" and to prosecute said work so as to complete the Contract within **180** consecutive calendar days.

To furnish a Payment Bond, and a Labor and Material Payment Bond, in the full amount of Contract award, as security for the construction and completion of the Contract in accordance with the Plans, Specifications, General Conditions, Special Provisions, Bid Documents and Contract Documents.

To guarantee all of the work performed under this Contract to be done in accordance with the Plans, Specifications, General Conditions, Special Provisions, Bid Documents and Contract Documents in a good workmanlike manner and to renew or repair any work which may be rejected due to defective materials or workmanship, prior to final completion and acceptance of the work.

Enclosed herewith find certified cashier's or treasurer's check or bid bond in the amount of _____ Dollars (\$_____) made payable to the "Board of County Commissioners of Washington County, Maryland". This certified cashier's or treasurer's check or bid bond in a Proposal Guarantee (which is understood will be forfeited in the event

the Form or Contract is not executed, if awarded to the undersigned), is based on the aggregate amount of the bid submitted.

(For execution by Individuals and Partnerships or Corporations)

FOR INDIVIDUALS AND PARTNERSHIPS:

Name: _____

By: _____
(Member) (Seal)

By: _____
(Member) (Seal)

Witness: _____

FOR CORPORATIONS:

Name: _____

By: _____
(President) (Seal)

Attest: _____
(Secretary)

The Proposal Form shall be filled out in ink. The Proposal, if submitted by an individual, shall be signed by an individual; if submitted by a partnership, shall be signed by such member or members of the partnership as have authority to bind the partnership; if submitted by a corporation the same shall be signed by an officer and attested by the Secretary or an Assistant Secretary. If not signed by an officer, as aforesaid, there must be attached a copy of that portion of the by-laws, or a copy of a Board Resolution, duly certified by the Secretary, showing the authority of the person so signing on behalf of the corporation. In lieu thereof, the corporation may file such evidence with the Board of County Commissioners of Washington County, Maryland duly certified by the Secretary, together with a list of the names of those officers having authority to execute documents on behalf of the corporation, duly certified by the Secretary, which listing shall remain in full force and effect until such time as the Board of County Commissioners of Washington County, Maryland is advised in writing to the contrary. In any case where a Proposal is signed by an Attorney-in-Fact a copy of the appointing document, duly certified must accompany the same.

BID LETTER

In order for a Proposal to be considered, it is necessary that the following guaranty from Surety be executed.

The _____ agrees to act as surety for _____
(Name of Bonding Company) (Name of Bidder)

and to furnish the full amount of Proposal Guaranty as required by GP-Section 2 of the MSHA Specifications.

The aforementioned Bonding Company will also furnish the full amount of the Performance Bond and Labor and Material Payment Bond as required by GP-Section 3 of the MSHA Specifications.

The guaranty is effective for the 90 days following the bid opening date, as specified in GP-Section 3 of the MSHA Specifications, unless this time period is modified by the Special Provisions or extended by mutual agreement between the County, the Bonding Company, and the Contractor.

WITNESS:

	(Date)
_____	_____
(Typed Name of Surety)	(Signed Name of Surety)
_____	_____
(Typed Name and Title of Witness)	(Signed Name of Witness)
_____	_____
(Seal)	(Typed Name and Telephone Number of local agent)

NOTE 1: Signatories other than Principals must attach "Power of Attorney". Failure to execute the Contract and file acceptable Performance and Payment Bonds shall preclude awarding the Contract and require forfeiture of the Proposal Guaranty, all as detailed in GP-Section 3 of the MSHA Specifications.

NOTE 2: Failure of the Bidder to execute the Contract and file acceptable security shall be just cause for annulment of the award and the forfeiture of the proposal guaranty, which shall become property of the County as sustained liquidated damages. Award may then be made to the next lowest responsive, responsible Bidder or the work may be re-advertised. Failure to have this Bid Letter executed by Surety and submitted with Proposal will result in rejection of Bid.

BID BOND

A Bid Bond shall be submitted on American Institute of Architects Document A310, February 1970 Edition; to be furnished by the bidder.

SUMMARY SCHEDULE OF PRICES

WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER
PHASE-1 SITE DEVELOPMENT

Category 1000	\$ _____
Category 2000	\$ _____
Category 3000	\$ _____
Category 5000	\$ _____
Category 6000	\$ _____
Category 7000	\$ _____
Category 8000	\$ _____
PROJECT TOTAL.....	\$ _____

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
1001		LUMP SUM	L.S.	CLEARING AND GRUBBING	_____	___	_____	___
1002		LUMP SUM	L.S.	TYPE "B" ENGINEER'S OFFICE	_____	___	_____	___
1003		LUMP SUM	L.S.	MAINTENANCE OF TRAFFIC	_____	___	_____	___
1004		150	S.F.	TEMPORARY TRAFFIC SIGNS	_____	___	_____	___
1005		300	L.F.	5 INCH WHITE TEMPORARY PAVEMENT MARKING PAINT LINES	_____	___	_____	___
1006		300	L.F.	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS – ANY WIDTH	_____	___	_____	___
1007		100	EA.	DRUMS FOR MAINTENANCE OF TRAFFIC	_____	___	_____	___
1008		500	L.F.	CONTINGENT: TEMPORARY ORANGE CONSTRUCTION FENCE	_____	___	_____	___
Category <u>1000</u>					Total This Sheet		_____	___

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ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
1009		25	TON	CR-6 FOR MAINTENANCE OF TRAFFIC	_____	___	_____	___
1010		LUMP SUM	L.S.	CONSTRUCTION STAKEOUT	_____	___	_____	___
1011		LUMP SUM	L.S.	MOBILIZATION	_____	___	_____	___
1012		LUMP SUM	L.S.	AS-BUILT DRAWINGS	_____	___	_____	___
1013		LUMP SUM	L.S.	CRITICAL PATH METHOD PROJECT SCHEDULE	_____	___	_____	___
1014		1	E.A.	CONSTRUCTION SITE SIGN PER DETAIL (SEE PROJECT DETAILS SECTION)	_____	___	_____	___
END Category <u>1000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
2001		29,100	C.Y.	UNCLASSIFIED EXCAVATION	_____	___	_____	___
2002		58,500	C.Y.	COMMON BORROW – TYPE 1	_____	___	_____	___
2003		50	C.Y.	CONTINGENT: TEST PIT EXCAVATION	_____	___	_____	___
2004		2,000	C.Y.	CONTINGENT: UNSUITABLE MATERIAL EXCAVATION	_____	___	_____	___
2005		1,000	C.Y.	CONTINGENT: GEOSYNTHETIC STABILIZED SUBGRADE USING GRADED AGGREGATE BASE	_____	___	_____	___
2006		850	SY	CONTINGENT: GEOTEXTILE	_____	___	_____	___
END Category <u>2000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
3001		140	L.F.	12-INCH HDPE STORM PIPE (DUAL WALL)	_____	___	_____	___
3002		508	L.F.	15-INCH HDPE STORM PIPE (DUAL WALL)	_____	___	_____	___
3003		630	L.F.	18-INCH HDPE STORM PIPE (DUAL WALL)	_____	___	_____	___
3004		400	L.F.	44-INCH SPAN BY 27-INCH RISE (INSIDE DIMENSIONS) REINFORCED CONCRETE ARCH PIPE	_____	___	_____	___
3005		175	L.F.	15-INCH CORRUGATED METAL PIPE	_____	___	_____	___
3006		2	EA.	15-INCH CONCRETE END SECTION (ON END OF HDPE PIPE)	_____	___	_____	___
3007		2	EA.	18-INCH CONCRETE END SECTION (ON END OF HDPE PIPE)	_____	___	_____	___
3008		1	EA.	YARD INLET	_____	___	_____	___
Category <u>3000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
3009		175	L.F.	REMOVE EXISTING STORM DRAIN PIPE, ANY SIZE	_____	___	_____	___
3010		10	TON	TEMPORARY STONE OUTLET STRUCTURE	_____	___	_____	___
3011		3,000	L.F.	SILT FENCE	_____	___	_____	___
3012		750	L.F.	DIVERSION FENCE	_____	___	_____	___
3013		11	EA.	INLET PROTECTION	_____	___	_____	___
3014		1	EA.	STABILIZED CONSTRUCTION ENTRANCE	_____	___	_____	___
3015		2,600	LF	SUPER SILT FENCE	_____	___	_____	___
3016		10	S.Y.	CONTINGENT: STONE FOR SEDIMENT CONTROL	_____	___	_____	___
Category <u>3000</u>					Total This Sheet		_____	___

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ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
3017		45	S.Y.	CLASS I RIPRAP OUTLET PROTECTION	_____	___	_____	___
3018		70	S.Y.	CLASS II RIPRAP OUTLET PROTECTION	_____	___	_____	___
3019		2	EA.	CAST-IN-PLACE SPECIAL CONCRETE END/HEAD WALL	_____	___	_____	___
3020		1,000	C.Y.	CONT. SELECT BACKFILL USING AASHTO NO 57 AGGREGATE	_____	___	_____	___
3021		100	C.Y.	CONTINGENT: FLOWABLE BACKFILL	_____	___	_____	___
3022		10	EA.	SWM – MICRO-BIORETENTION – NYPLOPLAST INLETS	_____	___	_____	___
3023		2530	S.Y.	SWM – MICRO-BIORETENTION – 30 MIL PVC	_____	___	_____	___
3024		1200	L.F.	SWM – MICRO-BIORETENTION - 4-INCH PVC SLOTTED PIPE	_____	___	_____	___
Category <u>3000</u>					Total This Sheet		_____	___

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ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
3025		22	E.A.	4-INCH PVC CLEANOUT WITH WATERTIGHT SCREW LID	_____	___	_____	___
3026		130	C.Y.	SWM – MICRO-BIORETENTION - MULCH	_____	___	_____	___
3027		1050	C.Y.	SWM – MICRO-BIORETENTION – SOIL MIX	_____	___	_____	___
3028		340	C.Y.	SWM – MICRO-BIORETENTION – NO. 8 STONE	_____	___	_____	___
3029		340	C.Y.	SWM – MICRO-BIORETENTION – NO. 2 STONE	_____	___	_____	___
3030		10	C.Y.	CONTINGENT: MISCELLANEOUS - CONCRETE MIX NO. 2	_____	___	_____	___
3031		LUMP SUM	L.S.	GEOTECHNICAL SERVICES FOR SWM AS-BUILT CERTIFICATION	_____	___	_____	___
3032		280	L.F.	UNDERDRAINS, SUBGRADE DRAINS, AND SPRING CONTROL	_____	___	_____	___
3033		65	C.Y.	NO. 57 GRAVEL DIAPHRAGM	_____	___	_____	___
Category 3000					Total This Sheet		_____	___

3034		12	EA.	15-INCH STANDARD CORRUGATED METAL END SECTION	_____	—	_____	—
3035		6	EA.	24-INCH NYLOPLAST DRAIN BASIN WITH SOLID TOP (SEE PROJECT DETAIL SECTION)	_____	—	_____	—
3036		510	CY	SWM-10 MICRO BIO-RETENTION CLAY CORE	_____	—	_____	—
3037		1000	CY	CONTINGENT: SELECT BACKFILL USING AASHTO CR-6 AGGREGATE	_____	—	_____	—
END Category <u>3000</u>					Total This Sheet		_____	—

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
5001		20,000	S.Y.	6 INCH GRADED AGGREGATE BASE COURSE	_____	___	_____	___
5002		200	TON	SUPERPAVE ASPHALT MIX FOR SURFACE 12.5MM (PG 64H-22)	_____	___	_____	___
5003		6,800	TON	SUPERPAVE ASPHALT MIX FOR BASE 19.0MM (PG-64S-22)	_____	___	_____	___
5004		20,000	EA	PRICE ADJUSTMENT FOR ASPHALT BINDER	1	00	20,000	00
5005		5,000	EA	PAYMENT ADJUSTMENT FOR PAVEMENT DENSITY	1	00	5,000	00
5006		5,000	EA	PAYMENT ADJUSTMENT FOR ASPHALT MIX	1	00	5,000	00
5007		260	S.Y.	0-2 INCH MILL	_____	___	_____	___
Category <u>5000</u>					Total This Sheet		_____	___

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ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
5008		560	L.F.	FULL DEPTH SAW CUTS	_____	___	_____	___
5009		1020	L.F.	5-INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	_____	___	_____	___
5010		30	L.F.	24-INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	_____	___	_____	___
END Category <u>5000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
6001		160	L.F.	STANDARD TYPE 'A' COMBINATION CURB AND GUTTER	_____	___	_____	___
6002		1330	L.F.	STANDARD TYPE 'D' COMBINATION CURB AND GUTTER	_____	___	_____	___
6003		625	L.F.	DEPRESSED CURB FOR COMBINATION CONCRETE CURB AND GUTTER	_____	___	_____	___
6004		850	S.F.	CONCRETE SIDEWALK	_____	___	_____	___
6005		40	S.F.	DETECTABLE WARNING SURFACE	_____	___	_____	___
END Category <u>6000</u>					Total This Sheet		_____	___

7001		14,500	S.Y.	PLACING SALVAGED TOPSOIL, 4-INCH DEPTH	_____	___	_____	___
7002		1,000	S.Y.	CONTINGENT: PLACING FURNISHED TOPSOIL, 4-INCH DEPTH	_____	___	_____	___
7003		6,800	S.Y.	CONTINGENT: TEMPORARY SEED AND MULCH	_____	___	_____	___
7004		6,400	S.Y.	TYPE-A SOIL STABILIZATION MATTING	_____	___	_____	___
7005		5,500	S.Y.	TURFGRASS ESTABLISHMENT	_____	___	_____	___
7006		26	EA	CORNUS SERICEA / REDOSIER DOGWOOD	_____	___	_____	___
7007		2,395	EA	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED	_____	___	_____	___
7008		80	EA	CHASMANTHIUM LATIFOLIUM / NORTHERN SEA OATS	_____	___	_____	___
Category <u>7000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
7009		2,340	EA	LOBELIA CARDINALS / CARDINAL FLOWER	_____	___	_____	___
7010		40	EA.	PANICUM VIRGATUM 'HEAVY METAL' / SWITCHGRASS	_____	___	_____	___
7011		10	EA.	BETULA NIGRA / RIVER BIRCH	_____	___	_____	___
7012		5	EA.	MAGNOLIA VIRINGIANA / SWEETBAY MAGNOLIA	_____	___	_____	___
7013		5	E.A.	VIBURNUM DETATUM 'BLUE MUFFIN'/ARROWWOOD	_____	___	_____	___
END Category <u>7000</u>					Total This Sheet		_____	___

BF-25

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
8001		20	S.F.	SHEET ALUMINUM SIGNS	_____	___	_____	___
8002		5	EA	WOOD SIGN SUPPORTS	_____	___	_____	___
8003		1	EA	REMOVE/RELOCATE EXISTING GROUND MOUNTED SIGN	_____	___	_____	___
8004		5	C.Y.	CONCRETE FOR LIGHT POLE FOUNDATIONS	_____	___	_____	___
8005		250	L.F.	(1) 3-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (GAS LINE)	_____	___	_____	___
8006		625	L.F.	(1) ¾-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (PARKING LOT LIGHTS)	_____	___	_____	___
8007		200	L.F.	(2) 1-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (ROAD SIGN DATA)	_____	___	_____	___
8008		1080	L.F.	(2) 2-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (ROAD SIGN POWER)	_____	___	_____	___
Category <u>8000</u>					Total This Sheet		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
8009		900	L.F.	(6) 4-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (FIBER/TELEPHONE/CABLE/SPARE)	_____	___	_____	___
8010		70	L.F.	(4) 4-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (FUTURE TACTICAL VILLAGE)	_____	___	_____	___
8011		990	L.F.	(2) 5-INCH SCHEDULE 40 PVC CONDUIT TRENCHED (POWER LINE)	_____	___	_____	___
8012		5	L.F.	(3) 5-INCH SCHEDULE 40 PVC CONDUIT WITH CAP AND PULL STRING TRENCHED (POWER LINE EXTENSION)	_____	___	_____	___
8013		1	EA.	CONCRETE VAULT (7'W X 9'L X 7'-6" H)	_____	___	_____	___
8014		2040	L.F.	10-INCH DIP WATERLINE	_____	___	_____	___
8015		150	L.F.	6-INCH DIP WATERLINE	_____	___	_____	___
8016		820	L.F.	8-INCH SDR26 SEWER LINE	_____	___	_____	___
Category <u>8000</u>					Total This Sheet		_____	___

8017				(ITEM REMOVED)	_____	___	_____	___
8018		5	EA.	STANDARD PRECAST 48-INCH SEWER MANHOLE	_____	___	_____	___
8019		4	EA	FIRE HYDRANT ASSEMBLY	_____	___	_____	___
8020		4	EA	BOLLARD PROTECTION	_____	___	_____	___
8021		7	EA	ELECTRICAL HANDHOLE	_____	___	_____	___
8022		3	EA	EXTERIOR JUNCTION BOX	_____	___	_____	___
8023		1	E.A.	THREE PHASE JUNCTION BOX	_____	___	_____	___
8024		9	E.A.	GROUND ROD-3/4 INCH DIAMETER X 10 FT LENGTH	_____	___	_____	___
8025		90	L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	_____	___	_____	___
Category <u>8000</u>					Total This Sheet		_____	___

8026		1	EA.	REMOVAL OF EXISTING WATER METER	_____	___	_____	___
8027		9	EA	25-FOOT SQUARE STEEL LIGHT POLE	_____	___	_____	___
8028		5	EA	TYPE-S1 150 WATT LED PARKING AREA LIGHT	_____	___	_____	___
8029		4	EA	TYPE-S2 150 WATT LED PARKING AREA LIGHT	_____	___	_____	___
8030		72	LF	6-INCH SDR 26 SEWER PIPE	_____	___	_____	___
8031		LUMP SUM	LS	CONTINGENT: SEWAGE BY-PASS PUMPING	_____	___	_____	___
END Category <u>8000</u>					Total This Sheet		_____	___



Attachment E

WASHINGTON COUNTY PUBLIC SAFETY TRAINING CENTER CONTRACT NO. MS-TC-266-28

SEWAGE BYPASS PUMPING SPECIFICATION

PART 1 GENERAL

1.01 SCOPE

- A. The Contractor is required to furnish all materials, labor, equipment, power, maintenance, etc. to implement a temporary pumping system for the purpose of diverting the existing flow around the work area to complete the work of the proposed project.
- B. The design, installation and operation of the temporary pumping system shall be the Contractor's responsibility. The bypass system shall meet the requirements of all codes and regulatory agencies having jurisdiction.
- C. When bypass pumping, a sound attenuated pumping unit capable of producing no more than 70 dBA @ 30 feet will be required. The Owner's pre-approval is required for bypass pumping between the hours of 8 PM and 7 AM.

1.02 SUBMITTALS

- A. The Contractor shall prepare a specific, detailed description of the proposed pumping system and submit it to the Engineer for approval at least two weeks prior to the initiation of bypass pumping.
- B. The Contractor shall submit to the Engineer detailed plans and descriptions outlining all provisions and precautions to be taken by the Contractor regarding the handling of existing wastewater flow. This plan must be specific and complete, including such items as schedules, locations, elevations, capacities of equipment, materials and all other incidental items necessary and/or required to insure proper protection of the

facilities, including protection of the access and bypass pumping locations from damage due to the discharge flows, and compliance with the requirements and permit conditions specified in these Contract Documents. No construction shall begin until all provisions and requirements have been reviewed by the Engineer.

- C. The plan shall include but not limited to details of the following:
1. Staging areas for pumps;
 2. Sewer plugging method and types of plugs;
 3. Number, size, material, location and method of installation of suction piping;
 4. Number, size, material, method of installation and location of installation of discharge piping;
 5. Bypass pump sizes, capacity, number of each size to be on site and power requirements;
 6. Calculations of static lift, friction losses, and flow velocity (pump curves showing pump operating range shall be submitted); Estimated system curves shall be submitted showing multiple pump applications.
 7. Downstream discharge plan;
 8. Method of protecting discharge manholes or structures from erosion and damage;
 9. Thrust and restraint block sizes and locations;
 10. Sections showing suction and discharge pipe depth, embedment, select fill and special backfill;
 11. Method of noise control for each pump and/or generator;
 12. Any temporary pipe supports and anchoring required;
 13. Design plans and computation for access to bypass pumping locations indicated on the drawings;
 14. Calculations for selection of bypass pumping pipe size;
 15. Schedule for installation of and maintenance of bypass pumping lines;
 16. Plan indicating selection location of bypass pumping line locations.

PART 2 PRODUCTS

2.01 Equipment

- A. All pumps used shall be fully automatic self-priming units that do not require the use of foot-valves or vacuum pumps in the priming system. The pumps shall be diesel powered. All pumps used must be constructed to allow dry running for long periods of time to accommodate the cyclical nature of effluent flows.
- B. The Contractor shall provide the necessary automatic stop/start controls for each pump.
- C. The Contractor shall include one stand-by pump of each size to be maintained on site. Back up pumps shall be on line but isolated from the primary system by a valve.

- D. Discharge Piping - In order to prevent the accidental spillage of flows all discharge systems shall be temporarily constructed of rigid pipe with positive, restrained joints. Under no circumstances will aluminum "irrigation" type piping be allowed. Discharge hose will only be allowed in short sections and by specific permission from the engineer.

2.02 System Description

A. Design Requirements:

1. Bypass pumping systems shall have sufficient capacity to pump a peak flow. The Contractor shall provide all pipeline plugs, pumps of adequate size to handle peak flow, and temporary discharge piping to ensure that the total flow of the main can be safely diverted around the section to be repaired. Bypass pumping system may be required to be operated 24 hours per day depending on the work activity.
2. The Contractor shall have adequate standby equipment installed and ready for immediate operation and use in the event of an emergency or breakdown. One standby pump for each pump utilized shall be installed at the bypass pumping locations, ready for use in the event of primary pump failure.
3. Bypass pumping system shall be capable of bypassing the flow around the work area and of releasing any amount of flow up to full available flow into the work area as necessary for satisfactory performances of work.
4. The Contractor shall make all arrangements for bypass pumping during the time when the main is shut down for any reason. System must overcome any existing force main pressure on discharge.
5. All lateral connections will be treated in the same manner as mainline sewers. Each will have a temporary sump and a pump and stand-by pump to transfer flows to a mainline manhole if required to complete the work.

B. Performance Requirements:

1. It is essential to the operation of the existing sewerage system that there be no interruption in the flow of sewage throughout the duration of the project. To this end, the Contractor shall provide, maintain and operate all temporary facilities such as dams, plugs, pumping equipment (both primary and back-up units as required), conduits, all necessary power, and all other labor and equipment necessary to intercept the sewage flow before it reaches the point where it would interfere with his work, carry it past his work and return it to the existing sewer downstream of his work.

2. The design, installation and operation of the temporary pumping system shall be the Contractor's responsibility. The bypass system shall meet the requirements of all codes and regulatory agencies having jurisdiction.
3. The Contractor shall provide all necessary means to safely convey the sewage past the work area. The Contractor will not be permitted to stop or impede the main line and lateral flows under any circumstances.
4. The Contractor shall maintain sewer flow around the work area in a manner that will not cause surcharging of sewers, damage to sewers and that will protect public and private property from damage and flooding.
5. The Contractor shall protect water resources, wetlands and other natural resources.

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL AND MAINTENANCE

A. Test:

1. The Contractor shall perform leakage and pressure tests of the bypass pumping discharge piping using clean water prior to actual operation. The Engineer will be given 24 hours notice prior to testing.

B. Inspection:

1. Contractor shall inspect bypass pumping system continuously throughout the course of the work to ensure that the system is working correctly.

C. Maintenance Service:

1. The Contractor shall insure that the temporary pumping system is properly maintained and a responsible operator shall be on hand at all times when pumps are operating.

D. Extra Materials:

1. Spare parts for pumps and piping shall be kept on site as required.
2. Adequate hoisting equipment for each pump and accessories shall be maintained on the site

3.02 PREPARATION

A. Precautions

1. Contractor is responsible for locating any existing utilities in the area the Contractor selects to place the bypass pipelines. The Contractor shall locate his bypass pipelines to minimize any disturbance to existing utilities and shall obtain approval of the pipeline locations from the Owner and the Engineer. All costs associated with relocating utilities and obtaining all approvals shall be paid by the Contractor.
2. During all bypass pumping operation, the Contractor shall protect the Pumping Station, lateral pipes, sewer main and all local sewer lines from damage inflicted by any equipment. The Contractor shall be responsible for all physical damage to lateral pipes, the main and all local sewer lines caused by human or mechanical failure.

3.03 INSTALLATION AND REMOVAL

- A. The Contractor shall remove manhole sections or make connections to the existing sewer and construct temporary bypass pumping structures as may be required to provide an adequate suction conduit for the bypass pump.
- B. Plugging or blocking of sewage flows shall incorporate a primary and secondary plugging device. When plugging or blocking is no longer needed for performance and acceptance of work, it is to be removed in a manner that permits the sewage flow to slowly return to normal without surge, to prevent surcharging or causing other major disturbances downstream.
- C. When working inside manhole or force main, the Contractor shall exercise caution and comply with OSHA requirements.
- D. The installation of the bypass pipelines is prohibited in all saltmarsh/wetland areas. The pipeline must be located off streets, sidewalks and on shoulder of the roads. When the bypass pipeline crosses local streets and private driveways, the contractor must place the bypass pipelines in trenches and cover with plating or temporary pavement. Upon completion of the bypass pumping operations, the Contractor shall remove all the piping, restore all property to pre-construction condition and restore all pavement. The Contractor is responsible for obtaining any approvals for placement of the temporary pipeline within public ways from the agency with jurisdiction.

END OF SECTION