



MARYLAND TRANSIT ADMINISTRATION

MARYLAND DEPARTMENT OF TRANSPORTATION

Martin O'Malley, Governor • Anthony G. Brown, Lt. Governor
Darrell B. Mobley, Acting Secretary • Ralign T. Wells, Administrator

TO: All Planholders
FROM: Maryland Transit Administration
SUBJECT: **ADDENDUM NO. 1**
Contract No.: T-1038-0140
Waldorf Park and Ride Facility
DATE: December 11, 2012

Enclosed and effective this date is Addendum No. 1 to the subject Contract. This change does delay the Bid Opening Date to **December 21, 2012** at the Administration Headquarters, 6 St. Paul Street, 7th Floor Conference Room 742, Baltimore, Maryland 21202-1614 at 2 P.M. local time.

The drawings have been revised. If you would like to receive a copy of the revised drawings, please email me at vashe@mta.maryland.gov with your company's mailing information.

A conformed copy of the revised specification section is attached. A list of the changes made to this contract is attached to this Addendum. Also attached are the answers to contractors' questions.

The Bidder shall acknowledge receipt of this Addendum by completing and returning this form with the bid package.

All other terms and conditions remain unchanged.

Sincerely,

Vanessa Ashe, Procurement Officer
Professional Services/Construction/Installation Section
Procurement Division

Acknowledgement of receipt of ADDENDUM #1 to Solicitation #T-1038-0140

Vendor Name: _____

Authorized Representative's Signature

Date

ADDENDUM NO.: 1
DATE: 12/11/12
CONTRACT NO.: T-1038-0140

The following additions, deletions, and modifications are hereby made a part of the Contract Documents of Waldorf Park and Ride Facility, Contract No.: T-1038-0140.

Item No.	Page No.	Modification
I. CONTRACT SPECIFICATIONS		
1	BF 1 to BF 19	Revise Bid Opening date and Replaced Dewatering Basin with Sump Pit
II. SPECIAL PROVISIONS		
2	SP-119 to SP-124	Replaced Dewatering Basin with Sump Pit
III. CONTRACT DRAWINGS		
3	8	Added Note
4	16	Revisions to Note
5	17	Revisions to Note
6	24	Change ESD BMP Name
7	27	Added Striping, Adjusted Sign
8	29	Addition of Elevations to Section
9	30	Addition of Elevations to Section
10	31	Addition of Elevations to Section
11	32	Add Permanent Pavement As-Built Tabulation, Replace Maintenance Tables, Revisions to Note
12	34	Revisions to Notes
13	35	Change Dewatering Basin to Sump Pit, Addition of Detail, Revisions to Note
14	36	Change Dewatering Basin to Sump Pit
15	37	Change Dewatering Basins to Sump Pits
16	38	Revisions to Note
17	39	Added Note, Added Barricades
18	52	Added Quantity
19	53	Added Quantity
20	54	Added Quantity
21	55	Added Quantity
22	56	Added Quantity
23	59	Revised General Information Sheet

Also attached are the answers to contractors' questions, if any.

**WALDORF PARK AND RIDE FACILITY
CONTRACT NO. T-1038-0140
December 11, 2012**

#	QUESTIONS	RESPONSES
1	Upon review of the pay items for the project I have the following: what item will the over excavation for the Pervious Concrete Paving be paid under. The Specification section says see special provision but I have not been able to locate that information in the project manual.	The excavation to the bottom of the pavement sections and down to the elevations shown on the Subgrade Grading Plan will be paid for under Class 1 Excavation.
2	Is Maryland DOT prequalification required to bid this project?	There is no Maryland DOT prequalification required to bid this project as a prime.
3	Load Transfer Devices are commonly specified in concrete pavement. Will they be required in the 8" Pervious Concrete Pavement?	Load Transfer Devices will not be required between pervious concrete pavement panels, nor between pervious concrete pavement and adjacent curb, nor between pervious concrete pavement and reinforced concrete pavement.
4	There is an active Railroad Line that is in a close proximity to our LOD. In exhibit B Section 1.3.2 paragraph (d) Railroad Protective Insurance states that work within 50 feet of the railroad property would require insurance coverage. This is not something that is common to our industry and the premiums are extremely high. How should we handle this with regard to the MTA OCIP and the Insurance Cost Worksheet that is to be submitted with the bid?	The Maryland Transit Administration ("MTA") is providing the Railroad Protective Liability. Your insurance company should fill out the Insurance Cost Worksheet. This amount will only be added to the base bid in the event that the bidder is excluded from the OCIP program or the program is terminated mid-term.

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION
BID FORM
FOR
CONTRACT NO.: T-1038-0140

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

BID OPENING DATE:
December 21, 2012
BID OPENING TIME:
2:00 PM

BID OF: _____
(Bidder's Name)

PROJECT DESCRIPTION:

This Contract is for the construction of a park and ride in Waldorf, Maryland. The work involves construction of: a new 551 space park and ride; widening and resurfacing of MD 925 (Old Washington Road); pervious concrete pavement; concrete pavement; hot mix asphalt pavement; concrete curb and sidewalk; lighting; signing; and a new traffic signal at the intersection of MD 925 and Smallwood Drive.

1. This bid is hereby submitted to the Maryland Transit Administration (hereinafter sometimes called the "Administration") in response to NOTICE TO CONTRACTORS dated _____ .
2. The UNDERSIGNED has thoroughly examined, acknowledges receipt of, and is familiar with the Contract Documents as well as the various instructions, information, and requirements covering the same, all as mentioned herein and in said NOTICE TO CONTRACTORS.
3. In compliance with said NOTICE TO CONTRACTORS the UNDERSIGNED hereby proposes to furnish all labor, equipment, and materials and perform all work described and in strict accordance with the provisions of the Contract Documents for the consideration of the amounts, lump sum and unit prices listed in the attached Unit Price Schedule, and agrees that, upon Notice of Award, within one hundred eighty (180) calendar days after the date of opening of bids, unless mutually extended, he will within ten (10) calendar days after receipt of the prescribed forms, execute the Contract and furnish a performance bond and payment bond (if such bonds are required by the Contract Documents) on forms furnished by the Administration with good and sufficient surety or sureties.
4. The UNDERSIGNED agrees and understands that the time of completion is as specified in the Special Provisions, unless the completion dates are extended as provided for in the Contract Documents.
5. The UNDERSIGNED agrees to pay liquidated damages in the amount specified in the Special Provisions for each and every calendar day after the completion date that the work remains incomplete unless an extension is granted as provided for in the Contract Documents.

6. The UNDERSIGNED hereby certifies that the _____
(Bidder's Name) / ____ / is, / ____ / is not (CHECK ONE) included on the GSA
list of Parties Excluded from Procurement. **AND**

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

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

8. PARENT COMPANY

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

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

Name

Address

9. ARREARAGES

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

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

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

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

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

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

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

- a. Bid Bond in the Amount of \$ _____
Or 5% of the bid price (if applicable).
or
Individual Surety Bid Bond in the Amount of
\$ _____ Or 5% of the bid price (if applicable) and a
executed Affidavit of Individual Surety (Attachment A) & Surety Affidavit
(Attachment B).
- b. Contractor's Questionnaire Pre-Award Evaluation Data
- c. Bid/Proposal Affidavit.
- d. Buy America Certificate.
- e. Certification Regarding Lobbying.
- f. MDOT DBE Form A, "Certified DBE Utilization and Fair Solicitation Affidavit".
- g. MDOT DBE Form B, "DBE Participation Schedule".
- h. Signed copy of the Cover Letter for each Addendum issued by MTA.
- i. Completed Insurance Cost Worksheet

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
001	01130	Mobilization	1	LS	\$380,000.00	\$380,000.00
002	01210	Miscellaneous Work Allowance	ALL	ALL	\$525,000.00	\$525,000.00
003	01450	Quality Assurance and Quality Control	ALL	ALL	\$160,000.00	\$160,000.00
004	01522	Engineer's Field Office, Type 2	1	LS		
005	01550	Maintenance of Traffic	1	LS		
006	01550	Temporary Orange Construction Fence	809	LF		
007	02220	Saw Cutting	481	LF		
008	02220	Existing Gravel Removal	289	CY		
009	02220	Existing Concrete Sidewalk Removal	35	CY		
010	02220	Existing Concrete Curb and Comb. C & G Removal	240	LF		
011	02230	Site Clearing	1	LS		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
012	02240	Test Pit Excavation	24	CY		
013	02315	Class 1 Excavation	11,500	CY		
014	02315	Class 1-A Excavation	1,000	CY		
015	02315	Borrow Excavation	2,800	CY		
016	02315	Geosynthetic Stabilized Subgrade Using Graded Aggregate Base	1,000	CY		
017	02370	Class I Riprap	128	SY		
018	02370	Stabilized Construction Entrance	180	TON		
019	02370	Rehabilitate Stabilized Construction Entrance	270	TON		
020	02370	Temporary Stone Outlet Structure	2	EA		
021	02370	Super Silt Fence	1379	LF		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
022	02370	Silt Fence	108	LF		
023	02370	Erosion and Sediment Control Cleanout Excavation	20	CY		
024	02370	Sump Pit	7	EA		
025	02370	Filter Bag	10	EA		
026	02370	Riprap for Sediment Control	12	TON		
027	02370	Filter Log, 18 Inch	968	LF		
028	02370	Temporary Mulching	15000	SY		
029	02370	Temporary Seeding	1500	LB		
030	02370	Curb Inlet Protection	4	EA		
031	02372	Type A Soil Stabilization Matting	607	SY		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
032	02460	Steel Bollards	14	EA.		
033	02584	2 Inch Schedule 40 Rigid PVC Conduit-Trenched	6,500	LF		
034	02584	4 Inch Schedule 40 Rigid PVC Conduit-Trenched	900	LF		
035	02584	Electrical Hand Box	23	EA		
036	02630	Modified Shallow COG Inlet, 5 Foot Opening	5	EA		
037	02630	COG/COS Inlet for 8 Inch Curb, 5 Foot Opening	2	EA		
038	02630	COG/COS Inlet for 8 Inch Curb, 10 Foot Opening	2	EA		
039	02630	Precast Shallow COS Inlet, 10 Foot Opening	1	EA		
040	02630	Precast Manhole, 60 Inch Diameter	4	EA		
041	02630	Concrete End-Section for HERCP, 14x23 Inches	4	EA		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
042	02630	Concrete End-Section for HERCP, 19x30 Inches	1	EA		
043	02630	Metal End Section, 15 Inches	1	EA		
044	02630	Type C Endwall for HERCP, 19x30 Inches	1	EA		
045	02630	Modified Junction Box	1	EA		
046	02630	Horizontal Elliptical Concrete Pipe, 14x23 Inches	247	LF		
047	02630	Horizontal Elliptical Concrete Pipe, 19x30 Inches	358	LF		
048	02630	Ductile Iron Pipe, 6 Inches	120	LF		
049	02630	Corrugated Metal Pipe, 15 Inches	12	LF		
050	02630	15 Inch Corrugated Metal Pipe Connection	1	EA		
051	02630	6 Inch CPP-SP Overdrain Pipe	1,273	LF		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
052	02660	Excavation for Stormwater Management Facilities	750	CY		
053	02660	Bioretention Soil Mixture for Stormwater Management Facilities	750	CY		
054	02680	6 Inch No. 57 Stone	36,000	SY		
055	02680	No. 2 Stone	29,000	TON		
056	02680	6 Inch Sand Subbase Layer	18,000	SY		
057	02680	Class PE, Type 3 Geotextile	1,165	SY		
058	02680	8 Inch Pervious Concrete Pavement	17,000	SY		
059	02720	3 inch Graded Aggregate Base Course	370	SY		
060	02720	4 inch Graded Aggregate Base Course	8,100	SY		
061	02720	6 inch Graded Aggregate Base Course	3,600	SY		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
062	02745	Hot Mix Asphalt Superpave 12.5mm for Surface, PG 64-22, Level 2	380	TON		
063	02745	Hot Mix Asphalt Superpave 19.0 mm for Base, PG 64-22, Level 2	500	TON		
064	02746	Grinding Hot Mix Asphalt Pavement	1,415	SY		
065	02750	8 Inch Reinforced Portland Cement Concrete Pavement Mix #7	3,100	SY		
066	02765	5 Inch White Pavement Marking Paint Lines	27,440	LF		
067	02765	5 Inch Yellow Pavement Marking Paint Lines	4,850	LF		
068	02765	12 Inch White Preformed Thermoplastic Pavement Marking Line	335	LF		
069	02765	12 Inch White Pavement Marking Paint Lines	1,180	LF		
070	02765	Pavement Marking Legends and Symbols	186	SF		
071	02765	24 Inch White Preformed Thermoplastic Pavement Marking Line	145	LF		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
072	02765	24 Inch White Pavement Marking Paint Lines	510	LF		
073	02770	Type D Concrete Curb, 8" x 14"	1,253	LF		
074	02770	Type A Concrete Curb & Gutter, 12" Gutter Pan, 8" Depth	3,815	LF		
075	02775	5 Inch Concrete Sidewalk	14,700	SF		
076	02775	Detectable Warning Surface for Curb Ramps	225	SF		
077	02830	Wood Fencing	727	LF		
078	02871	Bike Rack	1	EA		
079	02890	Sheet Aluminum Signs	255	SF		
080	02890	Square Perforated Tubular Steel Sign Posts	19	EA		
081	02890	Square Tubular Steel Anchor Bases	19	EA		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
082	02890	Remove Existing Ground Mounted Signs and Supports	24	SF		
083	02891	Bus Shelter	4	EA		
084	02895	Removal of Existing Pavement Line Markings, Any Width	255	LF		
085	02895	Remove & Dispose Mat & Equip Per Assign	1	EA		
086	02895	Concrete for Signal Foundation	11	CY		
087	02895	Wood Sign Supports up to 4"x4"	60	LF		
088	02895	Wood Sign Supports up to 4"x6"	17	LF		
089	02895	3 Inch Schedule 80 Rigid PVC Conduit-Bored	65	LF		
090	02895	4 Inch Schedule 80 Rigid PVC Conduit-Bored	380	LF		
091	02895	2 Inch Schedule 80 Rigid PVC Conduit-Trenched	100	LF		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
092	02895	3 Inch Schedule 80 Rigid PVC Conduit-Trenched	635	LF		
093	02895	4 Inch Schedule 80 Rigid PVC Conduit-Trenched	110	LF		
094	02895	1 Inch Liquid Tight Flexible Non-Metallic Conduit for Detector Sleeve	5	LF		
095	02895	Embedded Metered Service Pedestal	1	EA		
096	02895	Electrical Cable 1-Conductor No. 8 AWG-THHN/THWN	65	LF		
097	02895	Microloop Probe, 1000 Foot Lead in Cable	1	EA		
098	02895	Noninvasive Detector, 1000 Foot Lead in Cable	5	EA		
099	02895	Furnish and Install Electrical Handhole	16	EA		
100	02895	10 Foot Breakaway Pedestal Pole	2	EA		
101	02895	14 Foot Breakaway Pedestal Pole	2	EA		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
102	02895	Steel Pole With a Single 38 Foot Mast Arm	1	EA		
103	02895	Steel Pole With Twin 50 Foot And 60 Foot Mast Arms	1	EA		
104	02895	250 Watt High Pressure Sodium Lamp And Luminaire	2	EA		
105	02895	Bare Copper Ground Wire, No 6 AWG	455	LF		
106	02895	Ground Rod - 3/4 Inch Diameter X 10 Foot Length	8	EA		
107	02895	8 Inch Vehicular Traffic Signal Head Section	12	EA		
108	02895	12 Inch LED Vehicular Traffic Signal Head Section	40	EA		
109	02895	Cut, Clean, Galvanize and Cap Traffic Signal Structure	2	EA		
110	02895	Electrical Cable - 2 Conductor (No. 14 AWG)	670	LF		
111	02895	Electrical Cable - 5 Conductor (No. 14 AWG)	770	LF		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
112	02895	Electrical Cable - 7 Conductor (No. 14 AWG)	1,670	LF		
113	02895	Electrical Cable - 2 Conductor (No. 12 AWG)	325	LF		
114	02895	Saw Cut for Signal (Loop Detector)	45	LF		
115	02895	Audible/Tactile Pedestrian Pushbutton Station & Sign	4	EA		
116	02895	15 Foot Lighting Arm on Signal Structure	2	EA		
117	02895	Controller and Cabinet - Base Mount (Four Channel, Time Delay-Output, Loop Detector Amplifier, Eight-Phase, Full-Traffic-Actuated Controller with Intersection Monitor Housed in a Nema Size "S" Base Mount Cabinet and Video Interface Equipment 1-8 Cameras)	1	EA		
118	02895	2 Wire Central Control Unit	1	EA		
119	02895	LED 16 Inch Countdown Pedestrian Signal Heads	4	EA		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
120	02895	Video Detection Camera and Cable Any Length	4	EA		
121	02920	Furnishing and Placing 4" Topsoil	11,500	SY		
122	02920	Sodding	1,000	SY		
123	02920	Mowing	10	EA		
124	02920	Additional Watering of Sodded Areas	50	MG		
125	02920	Bioretention Seeding	748	SY		
126	02920	Turfgrass Seeding	10,500	SY		
127	02930	Gleditsia triacanthos 'Shademaster', 2" Cal., B&B	4	EA		
128	02930	Quercus palustris, 2" Cal., B&B	4	EA		
129	02930	Acer rubrum 'October Glory', 2" Cal., B&B	2	EA		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
130	02930	Betula nigra, 2" Cal., B&B	2	EA		
131	02930	Nyssa sylvatica, 2" Cal., B&B	1	EA		
132	02930	Liriodendron tulipifera, 1" Cal., Cont.	2	EA		
133	02930	Quercus palustris, 1" Cal., Cont.	2	EA		
134	02930	Quercus phellos, 1" Cal., Cont.	2	EA		
135	02930	Ilex opaca, 4' Height, Cont.	3	EA		
136	02930	Ilex opaca, 6' Height, B&B	18	EA		
137	02930	Thuja 'Green Giant', 4' Height, Cont.	3	EA		
138	02930	Thuja 'Green Giant', 6' Height, B&B	18	EA		
139	02930	Cercis canadensis, 5' Height, B&B	28	EA		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
140	02930	Amelanchier arborea, 5' Height, B&B	25	EA		
141	02930	Chionanthus virginicus, 5' Height, B&B	20	EA		
142	02930	Prunus laurocerasus 'Otto Luyken', No. 5 Cont.	28	EA		
143	02930	Viburnum dentatum, No. 5 Cont.	15	EA		
144	02930	Aronia arbutifolia, No. 5 Cont.	28	EA		
145	02930	Itea virginica 'Little Henry', No. 3 Cont.	110	EA		
146	02930	Spiraea japonica 'Little Princess', No. 3 Cont.	90	EA		
147	02930	Ilex glabra, No. 3 Cont.	73	EA		
148	02930	Vaccinium angustifolium, No. 3 Cont.	76	EA		
149	02930	Coreopsis verticillata 'Moonbeam', No. 1 Cont.	140	EA		

BID FORM

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
150	02930	Rudbeckia fulgida 'Goldsturm', No. 1 Cont.	161	EA		
151	02930	Liriope muscari 'Big Blue', No. 1 Cont.	430	EA		
152	02930	Pennisetum alopecuroides 'Hameln', No. 1 Cont.	190	EA		
153	02930	Carex morrowii 'Ice Dance', No. 1 Cont.	146	EA		
154	02930	Lobelia cardinalis, No. 1 Cont.	368	EA		
155	02930	Chelone glabra, No. 1 Cont.	296	EA		
156	02930	Plant Beds	472	SY		
157	02930	Watering	100	MG		
158	03300	Cast in place concrete	10	CY		
159	03510	Modular Concrete Fencing	265	LF		

Basis of Award: Total amount of items 001 thru 158 _____ (figures)

(words)

SECTION 02370**EROSION AND SEDIMENT CONTROL****PART 1 - GENERAL****1.01 DESCRIPTION:**

- A. The work specified in this Section includes the application of erosion and sediment control measures throughout the life of the project to control erosion and to minimize sediment transport. All erosion and sediment control devices and design shall be approved by the Engineer and the Maryland Department of the Environment (MDE).
- B. The Contractor shall assign an employee to act as the project's Erosion and Sediment Control Manager (ESCM), who shall be responsible for implementing the MDE-approved Erosion and Sediment Control Plans

1.02 SUBMITTALS:

- A. Product Data:
 - 1. Geotextile fabric of each class specified
 - 2. Corrugated PVC pipe
 - 3. Corrugated steel pipe
 - 4. Structural steel plate
 - 5. Chain Link Fence for Super Silt Fence
 - 6. Filter Log, 18 Inch
- B. Manufacturer's Certificates:
 - 1. Geotextile fabric
 - 2. Structural steel plate
- C. Source of Supply:
 - 1. No.57 aggregate
 - 2. 4" to 7" stone
 - 3. Rip rap

PART 2 - PRODUCTS**2.01 CLASS I RIPRAP:**

- A. Geotextile Fabric Class C or Class SE: SHA Standard Specifications, Section 921.09.
- B. Class I Riprap – SHA Std. Specifications, Section 901.02.01.

2.02 STABILIZED CONSTRUCTION ENTRANCE:

- A. Geotextile Fabric Class C or Class SE: SHA Standard Specifications, Section 921.09.
- B. Crusher Run Aggregate - SHA Std. Specifications, Section 901, Table 901A.

2.04 TEMPORARY STONE OUTLET STRUCTURE: Temporary Stone Outlet Structure – SHA Std. Specifications, Section 308.04.13.**2.05 SUPER SILT FENCE:**

- A. Geotextile Fabric Class F - SHA Std. Specifications, Section 921.09
- B. Chain Link Fence Fence – SHA Std. Specifications Section 914.01.01

2.06 SILT FENCE: Geotextile Fabric Class F - SHA Std. Specifications, Section 921.09.**2.07 SUMP PIT:**

- A. No. 57 Aggregate – SHA Std. Specifications, Section 901
- B. Perforated Corrugated Steel Pipe – SHA Std. Specifications, Section 905

2.08 FILTER BAG: Geotextile Fabric Class F - SHA Std. Specifications, Section 921.09.**2.09 RIPRAP FOR SEDIMENT CONTROL:** Class 0 Riprap – SHA Std. Specifications, Section 901.02.01.**2.10 FILTER LOG, 18 INCH ALONG CONTOUR:**

- C. Coir fibers or straw fibers bound by a biodegradable netting into a roll with a minimum diameter of 12-inches and a maximum length of 20-feet.
- D. Stone for Sediment Control - Graded Aggregate Base minimum
- E. 2 in. x 2 in. wood stakes, 36 in. length.

2.11 TEMPORARY SEEDING: Seeding – SHA Std. Specifications, Section 920.06.07(c).**2.12 TEMPORARY MULCHING:** Mulching – SHA Std. Specifications, Section 920.04.01.

2.13 CURB INLET PROTECTION:

- A. Geotextile Fabric Class E - SHA Standard Specifications, Section 921.09.
- B. No. 57 Aggregate - SHA Std. Specifications, Section 901, Table 901A.
- C. Wood: Wood items, including spacer, anchor, and weir shall be 2" x 4" hardwood.
- D. Wire Mesh: As specified on the Contract Drawings.

PART 3 - EXECUTION

- 3.01 GENERAL REQUIREMENTS:** All measures shall comply with the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control. The Contractor shall conduct an Erosion and Sediment Control meeting with MDE seven days prior to start of construction. MDE shall be notified in writing or by phone at (410) 537-3510.
- 3.02 SEQUENCE OF CONSTRUCTION:** The Contractor shall follow the sequence of construction specified on the erosion and sediment control plans included in the Contract Drawings. In the event that this sequence required modifications for any reason, the Contractor shall immediately notify the Engineer and MDE for approval.
- 3.03 INSTALLATION AND MAINTENANCE:** The Contractor shall install and maintain all erosion and sediment control measures as specified on the Contract Drawings. The Contractor shall ensure that all runoff from disturbed area is directed to an approved sediment control devices. The Contractor shall ensure that all control devices are functioning properly, repaired when damaged and cleaned out as the first order of business following a storm event.
- 3.04 REMOVAL:** When the construction area for each sediment control measure is stabilized, the Contractor shall remove the measure with the prior written approval of MDE's Sediment Control Inspector and permanently stabilize the areas disturbed by this removal. All material removed shall become the property of the Contractor and shall be disposed in an approved waste-disposal facility.

PART 4 - MEASUREMENT AND PAYMENT**4.01 CLASS 1 RIPRAP:**

- A. Class I Riprap will be measured per square yard complete in place and accepted.
- B. Class I Riprap will be paid for at the contract unit price bid per square yard, complete in place, accepted, which price will be full compensation for all material including geotextile, equipment, tools, labor, and all work incidental to complete the item as specified.

4.02 STABILIZED CONSTRUCTION ENTRANCE:

- F. Stabilized Construction Entrance will be measured per ton complete in place and accepted.
- B. Stabilized Construction Entrance will be paid for at the contract unit price bid per ton, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.03 REHABILITATE STABILIZED CONSTRUCTION ENTRANCE:

- A. Rehabilitate Stabilized Construction Entrance will be measured per ton complete in place and accepted.
- B. Rehabilitate Stabilized Construction Entrance will be paid for at the contract unit price bid per ton, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.04 TEMPORARY STONE OUTLET STRUCTURE:

- A. Temporary Stone Outlet Structure will be measured per each complete in place and accepted.
- B. Temporary Stone Outlet Structure will be paid for at the contract unit price bid per each, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.05 SUPER SILT FENCE:

- A. Super Silt Fence will be measured per linear foot complete in place and accepted.
- B. Super Silt Fence will be paid for at the contract unit price bid per linear foot, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.06 SILT FENCE:

- A. Silt Fence will be measured per linear foot complete in place and accepted.
- B. Silt Fence will be paid for at the contract unit price bid per linear foot, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.07 EROSION AND SEDIMENT CONTROL CLEANOUT EXCAVATION:

- A. Erosion and Sediment Control Cleanout Excavation will be measured per cubic yard complete in place and accepted.
- B. Erosion and Sediment Control Cleanout Excavation will be paid for at the contract unit price bid per cubic yard, complete in place, accepted, which price will be full compensation for all excavation to remove accumulated sediment from all sediment control measures, material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.08 SUMP PIT:

- A. Sump Pit will be measured per each complete in place and accepted.
- B. Sump Pit will be paid for at the contract unit price bid per each, complete in place, accepted, which price will be full compensation for all initial excavation and aggregate, corrugated pipe, pumps, hoses and for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.09 FILTER BAG:

- A. Filter Bag will be measured per each complete in place and accepted.
- B. Filter Bag will be paid for at the contract unit price bid per each, complete in place, accepted, which price will be full compensation for all excavation to remove accumulated sediment from all sediment control measures, geotextile, pumps, material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.10 RIPRAP FOR SEDIMENT CONTROL:

- A. Riprap for Sediment Control will be measured per cubic yard complete in place and accepted.
- B. Riprap for Sediment Control will be paid for at the contract unit price bid per cubic yard, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.11 FILTER LOG, 18 INCH:

- A. Filter Log, 18 Inch will be measured per linear foot complete in place and accepted.
- B. Filter Log, 18 Inch will be paid for at the contract unit price bid per linear foot, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.12 TEMPORARY MULCHING:

- A. Temporary Mulching will be measured per square yard of seed complete in place and accepted.
- B. Temporary Mulching will be paid for at the contract unit price bid per square yard of mulch, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.13 TEMPORARY SEEDING:

- A. Temporary Seeding will be measured per pound of seed complete in place and accepted.
- B. Temporary Seeding will be paid for at the contract unit price bid per pound of seed, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

4.14 CURB INLET PROTECTION:

- A. Curb Inlet Protection will be measured per each complete in place and accepted.
- B. Curb Inlet Protection will be paid for at the contract unit price bid per each, complete in place, accepted, which price will be full compensation for all material, equipment, tools, labor, and all work incidental to complete the item as specified.

END OF SECTION