

Department of Public Works

709 Morgnec Road Chestertown, MD 21620 (410) 778-2600 Daniel F. Mattson, P.E., C.F.M, Deputy Director DMattson@kentgov.org

RFP # CR 24-01: CLARK ROAD CULVERT REPLACEMENT PROJECT IN KENT COUTY, MARYLAND ADDENDUM No. 1 September 11, 2023

THE INFORMATION CONTAINED HEREIN SHALL BE HEREBY MADE A PART OF THE SPECIFICATIONS AND CONTRACT DOCUMENTS FOR THE ABOVE REFERENCED REQUEST FOR PROPOSALS. IN THE EVENT OF ANY CONFLICT OR DISCREPANCY BETWEEN ORIGINAL BID DOCUMENTS AND/OR PREVIOUS ADDENDA AND THIS ADDENDUM, INFORMATION CONTAINED IN THIS ADDENDUM SHALL OVERRIDE PREVIOUSLY ISSUED DOCUMENTS.

<u>BIDDERS MUST ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE BOTTOM OF THIS FORM AND INCLUDING THIS ENTIRE DOCUMENT IN THEIR BID FORMS.</u>

<u>BID DUE DATE</u> – THERE IS NO CHANGE TO THE BID DUE DATE PER THE ORIGINAL RFP, WHICH REMAINS <u>OCTOBER</u> 12TH, 2023 AT 12:00 PM (NOON).

THE PURPOSE OF THIS ADDENDUM IS TO INCLUDE THE TRUE-TO-SCALE PLANS THAT HAD BEEN CONDENSED FOR THE PURPOSE OF INCLUSION IN THE ORIGINAL BID DOCUMENTS VIA PDF FILE. PLEASE BE ADVISED THAT THESE PLANS ARE THE SAME AS WHAT IS WITHIN THE ORIGINAL BID DOCUMENTS; HOWEVER, INCLUDED TO THIS ADDENDUM IS THE FULL-SIZE PLAN FOR CONTRACTORS TO BEGIN ANALYZING AND FORMING A PROPOSAL TO SUBMIT FOR THIS REQUEST FOR PROPOSALS PROJECT.

END OF ADDENDUM

I ACKNOWLEDGE RECEIPT OF THIS ADDEN SUBMITTING MY SEALED BID TO THIS REQU	DUM AND AGREE TO CONSIDER THE INFORM UEST FOR PROPOSAL.	ATION STATED WHEN
PRINT NAME (CLEARLY)	SIGNATURE	
COMPANY/CONTRACTOR NAME	 Date	

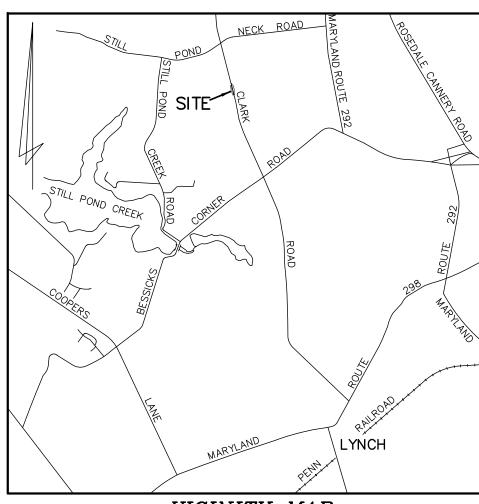
CULVERT REPLACEMENT PLAN FOR CLARK ROAD

NEAR THE VILLAGE OF LYNCH THIRD ELECTION DISTRICT, KENT COUNTY, MARYLAND PREPARED FOR: KENT COUNTY Dept. of PUBLIC WORKS

NOTES

- 1. PROPERTY LINE INFORMATION SHOWN HEREON IS TAKEN FROM DEED INFORMATION ONLY AND IS NOT THE RESULT OF A FIELD RUN SURVEY.
- 2. FOR DEED REFERENCE, SEE LIBER M.L.M. 605, FOLIO 466 (P. 95), LIBER M.L.M. 1007, FOLIO 149 (P. 182), LIBER 140, FOLIO 75 (P. 181) AND LIBER M.L.M. 445, FOLIO 80 (P. 48).
- 3. CURRENT ZONING CLASSIFICATION (RC) RURAL CHARACTER (P. 95, P. 182 & P. 181) AND (AZD) AGRICULTURAL ZONING DISTRICT (P. 48).
- 4. THE PROPERTIES ARE NOT LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA.
- 5. SITE IS NOT LOCATED WITHIN 100 YEAR FLOODPLAIN AS SCALED FROM FLOOD INSURANCE RATE MAP COMMUNITY PANEL No. 24029C0152D. (ZONE "X") (UNSHADED) EFFECTIVE DATE JUNE 9, 2015.
- 6. EXISTING CONTOURS SHOWN HEREON ARE THE RESULT OF A FIELD RUN SURVEY BY MICHAEL A. SCOTT, INC. IN JANUARY, 2023. HORIZONTAL DATUM IS ASSUMED.

REVIEWED FOR THE KENT SOIL AND WATER CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS APPROVED: KENT SOIL AND WATER CONSERVATION DISTRICT KENT SOIL AND WATER CONSERVATION DISTRICT RESERVES THE RIGHT TO ADD, DELETE, MODIFY OR OTHERWISE ALTER THE EROSION CONTROL PROVISIONS OF THIS PLAN IN THE EVENT ADDITIONAL PROTECTION BECOMES NECESSARY. DEVELOPERS CERTIFICATION I (WE) CERTIFY THAT: A. ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS SEDIMENT AND EROSION CONTROL PLAN AND/OR STORMWATER MANAGEMENT PLAN, AND FURTHER, AUTHORIZED THE RIGHT OF ENTRY FOR PERIODIC ONSITE EVALUATION BY THE KENT SOIL AND WATER CONSERVATION DISTRICT SEDIMENT CONTROL INSPECTOR OR MARYLAND DEPARTMENT OF THE ENVIRONMENT. B. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATION OF ATTENDANCE AT THE DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT C. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN. ANY CHANGE MADE IN THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL PLACE RESPONSIBILITY FOR SAID CHANGE ON THE CONTRACTOR OR SUBCONTRACTOR.



VICINITY MAP

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SEDIMENT & EROSION CONTROL PLAN

SHEET C-3 - MISCELLANEOUS DETAILS AND SEDIMENT & EROSION CONTROL SPECIFICATIONS

ENGINEER

DMS & ASSOCIATES, LLC c/o KEVIN J. SHEARON, PE LEED AP P.O. BOX 80 CENTREVILLE, MARYLAND 21617 PHONE No. 1-443-262-9130

SURVEYOR

MICHAEL A. SCOTT, INC.
c/o MIKE SCOTT
400 S. CROSS STREET
CHESTERTOWN, MARYLAND 21620
PHONE No. 1-410-778-2310

<u>OWNER (P. 182):</u>

WILLIAM A. JONES, Jr. 13046 CLARK ROAD WORTON, MARYLAND 21678

OWNER (P. 181:

CAROLYN G. BROOKS
P.O. BOX 108
13072 CLARK ROAD
WORTON, MARYLAND 21678

OWNER (P. 48):

ROBERT P. & JEAN C. PAYNE 25809 STILL POND NECK ROAD STILL POND, MARYLAND 21667

GENERAL NOTES

- 1. These drawings show information obtained from the best available records regarding pipes, conduits, telephone lines, and other structures and conditions which exist along the lines of the work both at and below the surface of the ground. The owner and engineer disclaim any responsibilities for the accuracy or completeness of said information being shown only for the convenience of the contractor, who must verify the information to his own satisfaction. If the contractor relies on said information, he does so at his own risk. The giving of the information on the contract drawings will not relieve the contractor of his obligations to support and protect all pipes, conduits, telephone lines, and other structures.
- 2. The contractor shall notify the following two (2) weeks prior to the start of construction and shall coordinate construction with the utility companies involved:

Delmarva Power & Light Company ----- 1-800-375-7117

Miss Utility ------ 1-800-441-8355

DMS & Associates, LLC ------ 1-443-262-9130

Kent County Dept. Public Works ----- 1-410-778-7439

Kent Co. Sediment & Erosion Control Inspector - 1-410-778-7437

Kent Co. Dept. of Water & Wastewater----1-410-778-3287

Maryland Department of the Environment----1-410-631-3510

- 3. All construction shall be marked for traffic and pedestrian
- 4. The Contractor shall provide all equipment, labor, and materials for any miscellaneous or test pit excavations required by the Engineer.
- 5. The owner is responsible for the acquisition of all easements, both permanent and temporary.
- 6. The Contractor assumes all responsibility for any deviations from these plans unless said deviation is approved by the Engineer. Contractor shall receive priction of the plans is necessary.
- 7. All disturbed areas shall be smoothly graded to provide positive drainage in the direction of flow arrows herein and stabilized with topsoil, seed, and mulch. If settlement occurs, topsoil, seeding, and mulching shall be repeated until settlement subsides (See Erosion and Sediment Control

PER COMMENTS

PER COMMENTS

- 8. All trash, trees, and underbrush are to be cleared and removed off site to an approved dump site by the contractor.
- 9. Any excess excavated material shall be removed off site by the contractor or material shall be placed on site as directed by the Engineer and/or Owner.
- 10. Any existing survey monumentation that is disturbed during construction shall be replaced by a registered surveyor at the contractor's expense.
- 11. The Contractor shall conduct his work in easements so that there will be a minimum of disturbance of the properties crossed. Any disturbed areas shall be restored to its original condition.
- 12. All materials and methods of construction shall conform to the drawings, specifications, local building codes, and the standard specifications and details of Kent County.
- 13. All drainage structures and swales shall remain functional during construction unless otherwise indicated on the plans.
- All water valves, boxes and hydrants shall be set and adjusted to finish grade.
- 15. Wherever sewer or water mains or services run parallel to each other, a minimum horizontal separation of 10' shall
- 16. Minimum cover over the sewer main shall be 42".
- 17. All concrete used for utility work shall be in accordance with MD SHA Standards and Specifications for Mix No. 2.
- 18. All paving materials and methods shall be in accordance with the latest MD SHA Standards and Specifications and be supplied by a State Certified plant.
- 19. Trenches shall not remain open overnight. If it is necessary for trenches to remain open, steel plates capable of bearing traffic shall be used to completely cover the trench openings.
- 20. Erosion and Sediment Control will be strictly enforced by the Kent County Sediment and Erosion Control Inspector.

BID SET

ON VARIOUS LANDS ON

TITLE SHEET

CLARK ROAD

NEAR THE VILLAGE OF LYNCH

TAX MAP - 12, PARCELS - 95, 182, 181 & 48

THIRD ELECTION DISTRICT, KENT COUNTY, MARYLAND

JANUARY '23 AS SHOWN

JOB No. DRAWN BY

2022093 WJM

FOLDER Ref. DESIGNED BY

12-2022093 KJS

SHEET No. - C-1

CADD FILE - 22093-C1

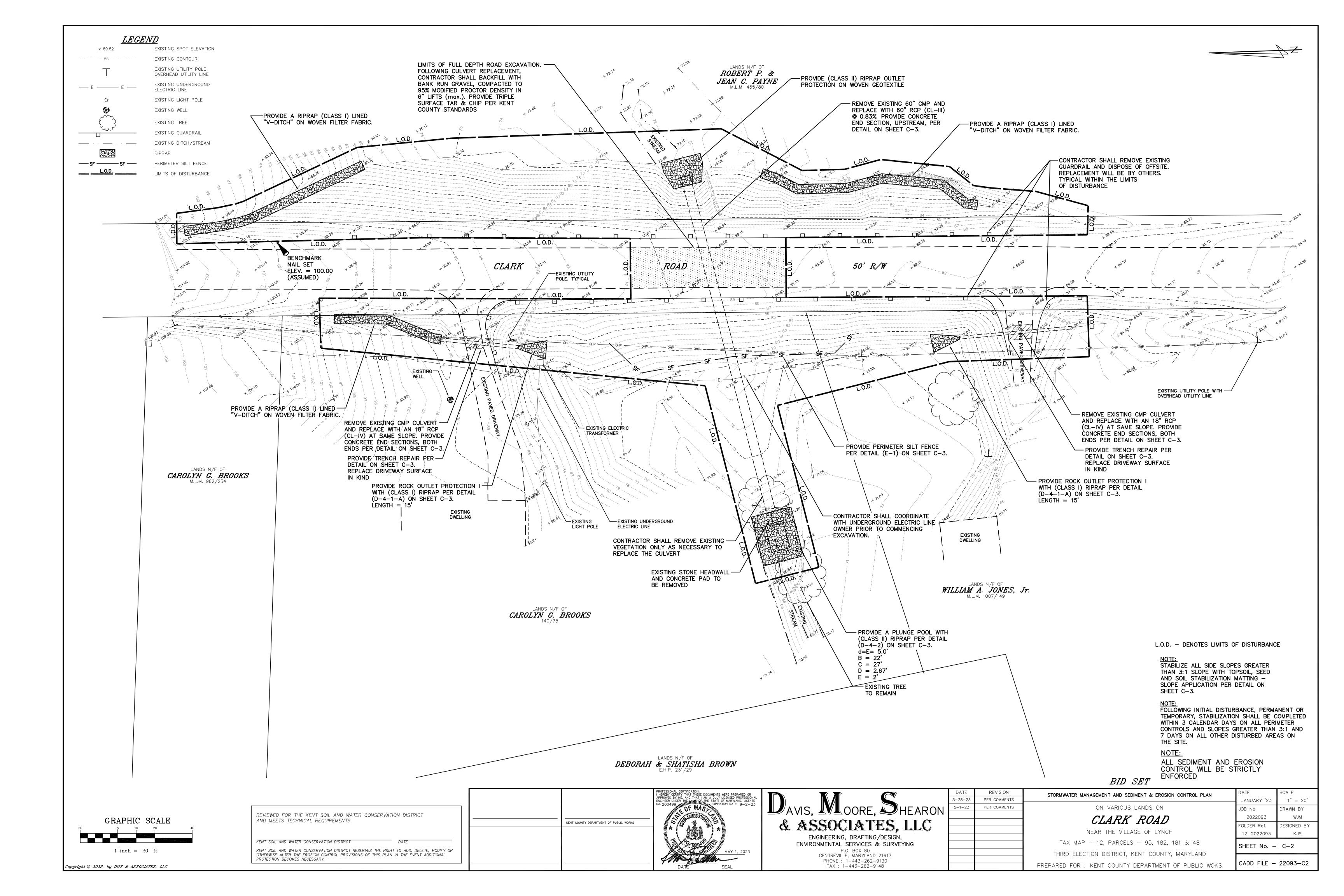
	PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOC APPROVED BY ME, AND THAT I AM ENGINEER UNDER THE HAMPON THE No. 200499	UMENTS WERE PREPARED A DULY LICENSED PROFES STATE OF MARYLAND, LI EXPIRATION DATE: 9—;
KENT COUNTY DEPARTMENT OF PUBLIC WORKS		
	2020	MAY 1, 202
	STATE OF THE PARTY	MAY 1, 202
	DATE	SEAL

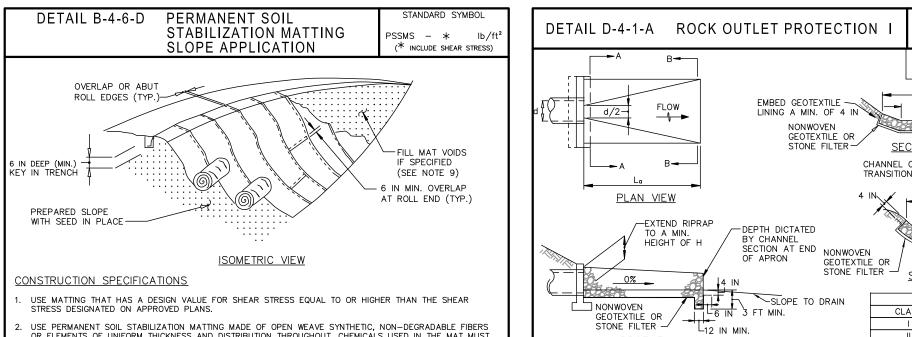
DAVIS, MOORE, SHEARON & ASSOCIATES, LLC
ENGINEERING, DRAFTING/DESIGN,

ENGINEERING, DRAFTING/DESIGN,
ENVIRONMENTAL SERVICES & SURVEYING
P.O. BOX 80
CENTREVILLE, MARYLAND 21617
PHONE: 1-443-262-9130
FAX: 1-443-262-9148

PREPARED FOR : KENT COUNTY DEPARTMENT OF PUBLIC WOKS

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OR ELEMENTS OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUS' BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-INJURIOUS TO THE SKIN. IF PRESENT, NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.

SECURE MATTING USING STEEL STAPLES OR WOOD STAKES. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1½ INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MAIN LEG, A MINIMUM 1 INCH SECONDARY LEG, AND MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPE AT THE POTTER OF THE POTTER OF

PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

UNROLL MATTING DOWN SLOPE. LAY MATTING SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.

OVERLAP OR ABUT EDGES OF MATTING ROLLS PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM). WITH THE UPSTREAM MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT. KEY IN THE TOP OF SLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING OLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND

TAMPING TO SECURE THE MAT END IN THE KEY. . STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS

IF SPECIFIED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLE ONCE THE MATTING IS KEYED AND STAPLED IN PLACE, FILL THE MAT VOIDS WITH TOP SOIL OR GRANULAF MATERIAL AND LIGHTLY COMPACT OR ROLL TO MAXIMIZE SOIL/MAT CONTACT WITHOUT CRUSHING MAT.

0. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

TONGUE END ON INLET SECTION
GROOVE END ON OUTLET SECTION

- SAME GRADE AS PIPE INVERT

OPTIONAL CONCRETE FOOTER

SECTION A-A

CONCRETE END SECTION

DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT

305

APPROVED

QUANTITIES FOR ESTIMATING PURPOSES ONLY

10½" 4'-1½" 2'-0" 6'-1½" 4'-6" 5'-6" 15" 9" 0.1

A. SLOPE A B C D E W X Y C

CONCRETE FOOTER

<u>NOTES</u>

2. END SECTIONS MUST BE REINFORCED TO CONFORM TO

3. CONORCE FOOTER SHALL BE USED WHEN SPECIFIED ON THE PLANS. COST OF CONORCE FOOTER TO BE INCLUDE! IN PRICE OF END SECTION. CONCRETE TO BE MIX. NO.2. REINFORCEMENT TO BE NO.3 BARS.

END VIEW

ISOMETRIC VIEW

MD-368.01

STATE HIGHWAY ADMINISTRATION

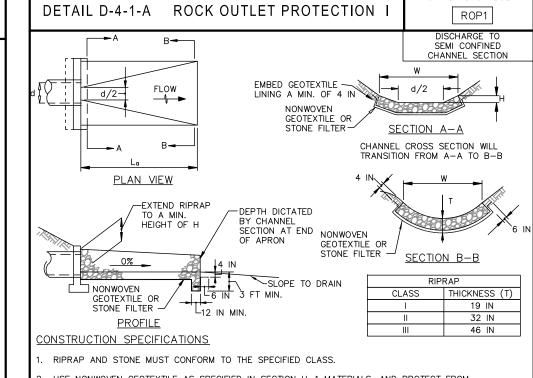
STANDARD CONCRETE END SECTION

ROUND CONCRETE PIPE

TANDARD NO.

* INVERT ELEVATION TO BE AT THE PIPE END

OF THE STANDARD END SECTION. ELEVATION TO BE NOTED ON THE CONSTRUCTION PLANS



USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM PUNCTURING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING TWO

PREPARE THE SUBGRADE FOR GEOTEXTILE OR STONE FILTER (% TO 1/2 INCH STONE FOR 6 INCH MINIMUM DEPTH) AND RIPRAP TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL

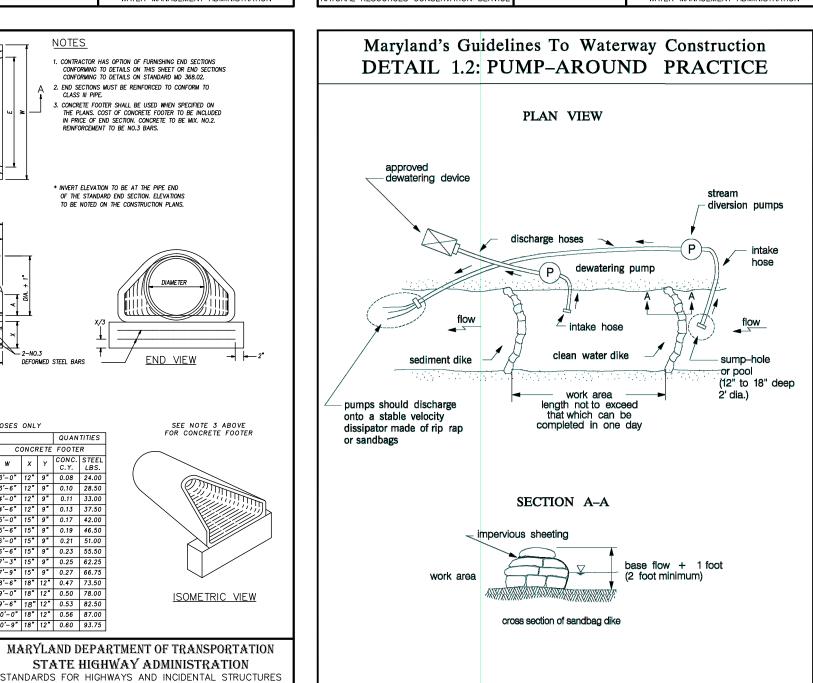
EXTEND GEOTEXTILE AT LEAST 6 INCHES BEYOND EDGES OF RIPRAP AND EMBED AT LEAST 4 INCHES CONSTRUCT RIPRAP OUTLET TO FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. PLACE STONE FOR RIPRAP OUTLET IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. PLACE RIPRAP IN A MANNER TO PREVENT DAMAGE TO THE STONE FILTER BLANKET OR GEOTEXTILE. HAND PLACE TO THE EXTENT NECESSARY.

DIAMETER OF THE OUTLET PIPE, AND EXTEND THE STONE UNDER THE OUTLET BY A MINIMUM OF 18 INCHES. CONSTRUCT APRON WITH 0% SLOPE ALONG ITS LENGTH AND WITHOUT OBSTRUCTIONS. PLACE STONE SC

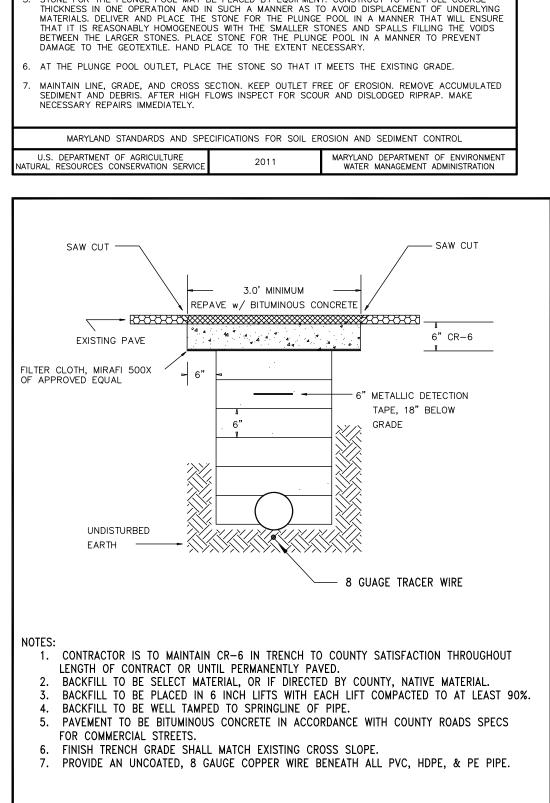
WHERE NO ENDWALL IS USED. CONSTRUCT THE UPSTREAM END OF THE APRON SO THAT THE WIDTH I

THAT IT BLENDS IN WITH EXISTING GROUND MAINTAIN LINE, GRADE, AND CROSS SECTION, KEEP OUTLET FREE OF EROSION, REMOVE ACCUMULATED SEDIMENT AND DEBRIS. AFTER HIGH FLOWS INSPECT FOR SCOUR AND DISLODGED RIPRAP. MAKE NECESSARY REPAIRS IMMEDIATELY.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL



REVISED NOVEMBER 2000 MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



Roadway Trench Repair

Permanent Bituminous Concrete

DETAIL D-4-2 PLUNGE POOL

NONWOVEN GEOTEXTILE-

CONSTRUCTION SPECIFICATIONS

USE SPECIFIED CLASS OF RIPRAP

PLAN VIEW

SECTION A-A

USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, AND PROTECT FROM

PUNCHING, CUTTING, OR TEARING. REPAIR ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE B PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING

THE GEOTEXTILE. PROVIDE A MINIMUM OF ONE FOOT OVERLAP FOR ALL REPAIRS AND FOR JOINING

PREPARE THE SUBGRADE FOR THE PLUNGE POOL TO THE REQUIRED LINES AND GRADES. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING

EMBED THE GEOTEXTILE A MINIMUM OF 4 INCHES AND EXTEND THE GEOTEXTILE A MINIMUM OF 6

STONE FOR THE PLUNGE POOL MAY BE PLACED BY EQUIPMENT. CONSTRUCT TO THE FULL COURSE

GENERAL NOTES

1. Notification of Kent County (410-778-7437) at least five (5) days prior to the start of work.

2. Prior to the start of work, the Contractor is to obtain County approval of any proposed plan changes and sequence of construction, specifically relating to installation, inspection, maintenance and removal of erosion and sediment control measures.

3. Sediment control measures are not to be removed until the areas served have established vegetative cover, or with the

permission of the Kent County Sediment Control Inspector.

4. When pumping sediment—laden water, the discharge must be directed to an approved sediment trapping measure prior to release from the site.

5. All temporary stockpiles are to be located within areas protected by sediment control measures, and are to be temporary stabilized.

6. All sediment control dikes, swales, basins and flow lines to basins will be temporarily seeded immediately upon installation to reduce the contribution to sediment loading.

7. Disposal of excess earth materials on State or Federal property requires MDE Approval, otherwise materials are to be disposed of at a location approved by the local authority.

8. Temporary soil erosion control and sediment control measures are to be provided as per the approved plan prior to grading operations. Location adjustments are to be made in the field as necessary. The minimum area practical shall be disturbed for the minimum possible time.

9. If grading is completed out of a seeding season, graded areas are to be temporarily stabilized by mulch and mulch anchoring. Mulch material shall be unweathered, unchopped small grain straw spread at the rate of 1« to 2 tons per acre. Mulch anchoring to be accomplished by an approved method, use of a mulch anchoring tool is recommended where possible.

accordance with the "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control", of the Department.

maintenance of the approved plan, and all other measures necessary to control, filter, or prevent sediment from leaving the site.

site development, removal of sediment control structures may not be accomplished before the contributing drainage area to the stormwater management structure is dewatered and stabilized.

control of stormwater, extreme care must be taken to prevent all runoff from entering the structure during construction.

designed controls:

each working day.

(a) Excavated trench material shall be placed on the high side of the trench.

(b) Immediately following pipe installation the trench shall be backfilled, compacted and stabilized at the end of

(c) Temporary silt fence or straw bale dikes shall be placed immediately downstream of any disturbed area intended to remain disturbed longer than one working day.

protected to prevent tracking of mud onto public ways.

Total Area of Site N/A Acres 0.98 Acres Area Disturbed Area to be Roofed or Paved 0.07 Acres Total Fill 4,250 cy* * - CUT AND FILL AMOUNTS ARE APPROXIMATE THE CONTRACTOR SHALL DO A SEPARATE TAKE-OFF

PHASE OF CONSTRUCTION

1. CONTACT THE KENT COUNTY SEDIMENT AND EROSION CONTROL INSPECTOR AT 410-778-7457 A MINIMUM OF 2 WEEKS PRIOR TO THE START OF CONSTRUCTION TO SCHEDULE A PRE- CONSTRUCTION MEETING PRIOR TO INITIATION OF ANY GRADING ACTIVITY.

2. INSTALL PERIMETER SILT FENCE WHERE SHOWN ON THE PLANS.

3. IMPLEMENT TRAFFIC DIVERSION AND ROAD CLOSURE.

4. INSTALL STREAM PUMP AROUND PER DETAIL ON THIS SHEET.

5. REMOVE EXISTING GUARDRAILS AND BEGIN EXCAVATION TO REMOVE EXISTING CULVERT.

6. INSTALL NEW CULVERT AND PROVIDE RIP-RAP PLUNGE

7. SEPARATELY OR SIMULTANEOUSLY GRADE EXISTING

SPILLWAYS AND INSTALL RIP-RAP LINED CHANNELS, 8. REMOVE AND REPLACE EXISTING DRIVEWAY CULVERTS

9. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL (4" MINIMUM), SEED AND MULCH. PROVIDE STABILIZATION MATTING ON ALL SLOPES 3:1 AND STEEPER.

AND INSTALL RIP-RAP OUTFALL PADS.

10. UPON APPROVAL FROM THE KENT COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES AND STABILIZE ALL DISTURBED AREAS PER PERMANENT STABILIZATION SPECIFICATIONS FOUND ON THIS SHEET.

PER COMMENTS

PER COMMENTS

EROSION & SEDIMENT CONTROL STANDARDS AND SPECIFICATIONS FOR

VEGETATIVE STABILIZATION

maintained at the end of each working day until project completion. The minimum area

1.) Contractor shall install soil erosion and sediment control devices prior to any grading. Following initial disturbance or re—disturbance, permanent or temporary stabilization shall be completed within three (3) calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes greater than three (3) horizontal to one (1) vertical (3:1) and seven days (7) as to all other disturbed or graded areas on the

2.) All temporary erosion and sediment control devices are to be provided as indicated on this plan, with location adjustments to be made in the field as necessary, and to be

> practical shall be disturbed for the minimal amount of time possible. 3.) Clearing and grubbing shall include all trees, brush, debris, root mat and organic

4.) Temporary seeding shall be accomplished between February 15th through April 30th, or August 15th through November 30th. During other times, temporary mulching shall be provided.

5.) Temporary seeding shall conform to the following applications: 436 lbs. per acre of 10-20-20; 4,000 lbs. per acre of ground limestone, to be incorporated into the soil by disking or other suitable means. Annual rye grass shall be applied at a rate of 50 lbs. per acre using suitable equipment. Mulching shall be accomplished immediately after

	Seed Mixture (For Hazard Zone 7a) (From Table B—1)					l less a
No.	Species	Appl. Seeding Rate Dates (lbs./ac.)		Seeding Depths	Fertilizer Rate (10-20-20)	Lime Rate
	ANNUAL RYE GRASS	50 lbs.	2/15-4/30 8/15-11/30	1/2"		
	BARLEY OATS WHEAT CEREAL RYE	72 lbs. 120 lbs.	2/15-4/30, 8/15-11/30 2/15-4/30, 8/15-11/30 2/15-4/30, 8/15-11/30 2/15-4/30, 8/15-12/15	1" 1" 1" 1"	436 lb/ac 10 lb/ 1000 sf	2 tons/a 90 lb/ 1000 sf
	FOXTAIL MILLET PEARL MILLET	30 lbs. 20 lbs.	5/1-8/14 5/1-8/14	1/2"		

6.) Mulching shall be unchopped, unrotted, small grain straw applied at a rate of $2-2 \frac{1}{2}$ tons per acre. Anchor mulch with a mulch anchoring tool on the contour. Wood cellulose fiber may be used for anchoring straw at 750 lbs. per acre mixed with water at a maximum of 50 lbs. of wood cellulose fiber per 100 gals of water, or with a synthetic liquid binder according to manufacture recommendations. Wood cellulose fiber used as mulch must be applied at a net dry weight of 1,500 lbs. per acre. Mix wood cellulose fiber with water to attain a mixture with a maximum of 50 lbs. of wood cellulose fiber per 100 gals. of water.

7.) Permanent seeding shall be accomplished between March 1st through May 15th, or August 15th through October 15th. Permanent seeding at other than specified times will be allowed only upon written approval. Permanent seeding shall conform to the following applications: Permanent seeding for sites having disturbed over five (5) acres shall use fertilizer rates recommended by a soil testing agency and the recommendations provided in the Permanent Seeding Summary Table. Permanent seeding for conditions other than listed above shall be performed at the rates and dates as provided in the Permanent Seeding Summary Table below. Fertilizer and lime amendments shall be incorporated into the top 3"-5" of the soil be disking or other suitable means. Mulching shall be accomplished as discussed in Item #6 of these specifications.

	Seed Mixture (For Hazard Zone 7a) (From Table B-3)					Fertilizer Rate (10-20-20)		
No.	Species	Appl. Rate (lbs./ac.)	Rate Dates Depths N P205 K20		K20	Lime Rate		
7	CREEPING RED FESCUE KENTUCKY BLUEGRASS	60 lbs 15 lbs.	3/1-5/15 8/15-10/15	1/4" to 1/2"				
8	TALL FESCUE	100 lbs.	3/1-5/15 8/15-10/15	1/4" to 1/2"	45 lb/ac 1 lb/ 1000 sf	90 lb/ac 2 lb/ 1000 sf	90 lb/ac 2 lb/ 1000 sf	2 tons/ac 90 lb/ 1000 sf
9	TALL FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	60 lbs 40 lbs. 20 lbs.	3/1-5/15 8/15-10/15	1/4" to 1/2"				

8.) Any spoil or borrow will be placed at a site approved by the Soil Conservation District.

9.) All areas remaining or intended to remain disturbed for longer than seven (7) days shall be stabilized in accordance with the USDA, Natural Resources Conservation Service Standards and Specifications for Soil Erosion and Sediment Control in developing areas for critical area stabilization.

10) It will be the responsibility of the Contractor or Subcontractor to notify the Engineer of any deviation from this plan. Any change made in this plan without written authorization from the Engineer will place responsibility of said change on the Contractor or the Subcontractor.

MAINTENANCE SCHEDULE

PREVENTATIVE MAINTENANCE SHALL BE ENSURED THROUGH INSPECTION OF ALL INFILTRATION SYSTEMS, RETENTION, OR DETENTION STRUCTURES BY THE KENT COUNTY INSPECTOR. THE INSPECTION SHALL OCCUR DURING THE FIRST YEAR OF OPERATION AND AT LEAST ONCE EVERY 2 YEARS THEREAFTER.

AN ASBUILT SURVEY OF THE STORMWATER MANAGEMENT FACILITY WILL BE PERFORMED AND IF THE AS-BUILT DOES NOT SUBSTANTIALLY REFLECT THE STORMWATER FACILITY DESIGN, THE CONTRACTOR SHALL MAKE ANY CHANGES OR ADDITIONS TO BRING THE FACILITY IN COMPLIANCE WITH THE DESIGN AS DIRECTED BY THE SOIL CONSERVATION TECHNICIAN OF KENT COUNTY.

ASBUILT CERTIFICATION

I HEREBY CERTIFY THAT THE FACILITIES SHOWN ON THIS PLAN WERE CONSTRUCTED AS SHOWN ON THE "ASBUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.

GNATURE	P.E. No.	

INSPECTION CHECKLIST

THE CONTRACTOR SHALL NOTIFY THE KENT COUNTY SEDIMENT AND EROSION CONTROL INSPECTOR AT (778-7457) AT THE FOLLOWING

1. THE REQUIRED PRECONSTRUCTION MEETING.

2. FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES.

3. PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE.

4. PRIOR TO REMOVAL OF ALL SEDIMENT AND EROSION CONTROL DEVICES.

5. PRIOR TO FINAL ACCEPTANCE.

BID SET

ON VARIOUS LANDS ON

MISCELLANEOUS DETAILS AND SEDIMENT & EROSION CONTROL SPECIFICATIONS

CLARK ROAD

NEAR THE VILLAGE OF LYNCH TAX MAP - 12, PARCELS - 95, 182, 181 & 48

KJS 12-2022093 SHEET No. - C-3 CADD FILE - 22093-C3

AS SHOWN

RAWN BY

ESIGNED BY

JANUARY '23

2022093

OLDER Ref.

JOB No.

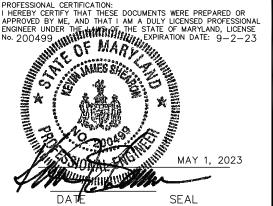
THIRD ELECTION DISTRICT, KENT COUNTY, MARYLAND PREPARED FOR: KENT COUNTY DEPARTMENT OF PUBLIC WOKS

REVIEWED FOR THE KENT SOIL AND WATER CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

KENT SOIL AND WATER CONSERVATION DISTRICT KENT SOIL AND WATER CONSERVATION DISTRICT RESERVES THE RIGHT TO ADD, DELETE, MODIFY OR OTHERWISE ALTER THE EROSION CONTROL PROVISIONS OF THIS PLAN IN THE EVENT ADDITIONAL PROTECTION BECOMES NECESSARY.

KENT COUNTY DEPARTMENT OF PUBLIC WORKS

PROVED BY





ENVIRONMENTAL SERVICES & SURVEYING P.O. BOX 80 CENTREVILLE, MARYLAND 21617 PHONE: 1-443-262-9130 FAX: 1-443-262-9148

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