

**ADDENDUM NO. 5  
NEW CREAMERY ROAD SEWAGE PUMP STATION  
CONTRACT NO. 001**

A second site visit was conducted for the New Creamery Road Sewage Pump Station on March 6, 2023 at 11:00 AM, at the pumping station located at 17700 Creamery Road, Emmitsburg, Maryland. No questions were addressed at the meeting. The Engineer was not in attendance. Attendees are listed on the attached sign-in sheet.

Questions from Bidders

The following questions were asked via e-mail. The questions (shown in *italics*) and answers (shown in **bold**), as presented, are hereby made part of the Contract Documents.

1. *Please extend the bid date by at least one or two weeks.*

**The bid date is not being extended.**

2. *Plan Sheet C2 shows the locations of Test Bores 505, 508, I1, I2, SWM 1. However, in the project manual we can only find Boring Logs for Borings B1 & B2. Please clarify the location on site of Borings B1 & B2, and also provide bore logs and soils information for all test pits/borings shown on plan sheet C2.*

**All test bores labeled 505 and 508 shall refer to Borings B-1 and B-2, respectively. See attached revised Sheet C2 and SWM-1. Bore logs/soils information for SWM-1 is attached. Infiltration rates for Borings I-1 and I-2 are also attached.**

3. *There are Overhead Electric Transmission / Communication Lines present near the proposed PRECAST CONCRETE BLDG & the proposed VALVE VAULT. It appears that the temporary electrical service that is proposed on Plan Sheet E2 will only replace the existing Pump Station service line. This will leave the Overhead Electric Transmission / Communication Lines in conflict with the install of PRECAST CONCRETE BLDG & VALVE VAULT. Will the Power Company be responsible for protecting, lifting or relocating these lines during precast install/crane operations in this area?*

**The Contractor is responsible for coordinating with the power company for line protection/insulation or other measures. The Contractor shall ensure that work that is performed near overhead lines is performed in accordance with Potomac Edison requirements and the requirements of 29 CFR 1910. The Contractor shall be responsible for all costs and fees required by Potomac Edison to provide and perform protective measures, such as insulating the lines. Rectangular precast vaults with an interior width dimension greater than 6'-0" or interior length dimension greater than 12'-0" may be cast-in-place, provided the design is in accordance with the Contract Documents and Specification Section 03410.**

4. *Are WBE/MBE solicitations a requirement of this project?*

**The Contractor is required to solicit for Small, Minority, and Women's Businesses in accordance with the Bid Documents; however, there is no required MBE Participation Percentage.**

5. *Article 21 of the Instruction to bidders states that this bid should not include Maryland State Sales Tax on Materials and Equipment. However, the following website, <https://www.marylandtaxes.gov/business/sales-use/tax-exemptions/>, states that the project is not tax exempt. Please see description below and clarify.*

*A contractor may use an organization's exemption certificate to purchase materials that will be used to construct, improve, alter or repair the real property of private, nonprofit charitable, educational, and religious organizations; volunteer fire companies and rescue squads; and nonprofit cemeteries. The materials must be incorporated into the realty to qualify for the exemption. Sales of materials used to improve the realty of government entities, credit unions and veterans organizations are taxable, and their certificates may not be used by contractors.*

*A contractor may use an exemption certificate from a nonprofit organization if the first two digits of its exemption number are:29 (religious organizations),31 (charitable and educational organizations), or 33 (volunteer fire departments, rescue squads and ambulance companies), Purchases made by using the following charge cards are subject to the Maryland sales and use tax since they are billed directly to the individual and are not treated as direct sales to the federal government:30 (government agencies), or32 (credit unions), or 34 (veterans organizations).*

**Contractors cannot use the Town's exemption to purchase materials for the project without paying these taxes. Refer to EJCDC C-800 Supplementary Conditions Paragraph 7.10 whereby the Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.**

6. *With regards to the UAV Liability Insurance listed in the Supplementary Conditions under Article 6, our insurance company will not cover UAC Liability Insurance invasion of privacy. Is this acceptable?*

**UAVs shall not be permitted to be used; therefore, UAV insurance is not required.**

7. *What is the start date of this project?*

**The Bid shall remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request from the Owner in accordance with EJCDC C-410 Bid Form, Article 7. The anticipated start date will be determined following Bid acceptance.**

8. *What unit prices are to be inserted into the unit price table at the bottom of page 30 of 807?*

**There are no unit prices required to be included in the unit price table. This is a lump sum bid.**

9. *When was the pump station built?*

**The pump station was built during the timeframe between 1986 and 1990.**

10. *Does anything need done with the existing Settling Tank shown on plan sheet C2?*

**The Contractor shall consider the information provided on Sheet C2 regarding the existing settling tank and impacts on construction and include all associated costs within the bid to complete construction. Note that the settling tank has not been used as a settling tank since the pump station was built between 1986 and 1990.**

11. *Does anything need done with the existing Drying Bed shown on plan sheet C2?*

**The Contractor shall consider the information provided on Sheet C2 regarding the existing drying bed and impacts on construction and include all associated costs within the bid to complete construction. Note that the drying bed has not been used as a drying bed since the pump station was built between 1986 and 1990.**

12. *There are several Sections in the specs that say to include certified engineering plans, please confirm contractor is responsible to provide these certified engineering plans: Section 02240 Dewatering, Section 02260 Excavation Support & Protection, Section 02750 Temporary Bypass Pumping Systems, Section 03300 Cast-In-Place Concrete. There are other Sections which say to include drawings (but do not say certified engineer); please confirm contractor is responsible to provide these non-certified drawings: Sanitary Sewers 02530, Base-Mounted Pumping System 11310, Sump Pump 11350, Hangers and Supports 15060, Piping 15100, Valves 15110, Plumbing 15400, Heating and Ventilation Equipment 15500, Mini-Split Heat Pump Air Conditioning System 15700.*

**Yes, it is confirmed that the Contractor is responsible to meet the requirements of the specifications to provide detailed fabrication and installation drawings certified by a Professional Engineer, complete design calculations certified by a Professional Engineer, and any layout drawings not requiring a PE certification in accordance with the specifications or drawings.**

13. *The supplementary conditions call for \$10MM umbrella policy. If the engineers estimate is \$3-4MM why is this limit so high. Please reduce these limits accordingly.*

**The umbrella policy limits listed under EJCDC C-800 Supplementary Conditions Paragraphs 6.03.K and L are hereby revised to replace the limits of not less than \$10,000,000 to umbrella policy limits of not less than \$5,500,000.**

14. *Please confirm Railroad Insurance is not required.*

**There is no work within 50 feet of railroad-owned and controlled property; therefore, Railroad Insurance is not required.**

15. *Please confirm Unmanned Aerial Vehicle (UAV) insurance is not required.*

**UAVs shall not be permitted to be used; therefore, UAV insurance is not required.**

16. *We are requesting exemptions for the following requirements as they do not pertain to the work or seem in excess of the size and scope of the project. SPECS Article 6-Bonds and Insurance, SC-6.03*

*E. Workers Comp-Longshoreman policy;*

*G. #7-Design Profession additional insured;*

*H. #7-Professional liability;*

*J. Our auto liability is \$1M combined limit;*

*K. We carry \$5M limit;*

*M. We do not have Pollution coverage;*

*N. We do not have Profession liability insurance;*

*O. We do not have Railroad Protective liability coverage;*

*P. We do not have Unmanned Aerial Vehicle coverage.*

*SC-6.04*

*F. We do not carry Builder's Risk coverage (doesn't apply).*

***The Town will not provide exemptions for the insurance requirements. However, due to the nature of the project, the following policies are not applicable and therefore not required: (1) Longshoreman policy; (2) Railroad Protective Liability; (3) Unmanned Aerial Vehicle Coverage. Further, as discussed above, the umbrella policy limits shall be adjusted to \$5,500,000. All other referenced coverages are required.***

17. *Is the wet well the only item which gets the Corrosion Protection Lining System? If not, what other items get it?*

**All wetwell interior concrete surfaces shall be coated with a corrosion protection lining system in accordance with Specification Section 09960 per Sheet M7, Note 2. No other surfaces are required to be coated with the Corrosion Protection Lining System.**

18. *Plan Sheet C7 details the replacement of two (2) ARV's that are located offsite. How will contractor access these locations? Is there an established ROW? Will clearing or grading be required to access these locations?*

**Access is provided via the existing utility easement shown on Sheet C7. No grading will be required. Clearing of brush and debris may be required for access.**

19. *Specification section 16230 page 1 item 1.01.A.1 states “Furnish a complete natural gas emergency generator system...” Can you provide a specification for the natural gas piping system? Can you provide sketches showing sizing and layout of the piping? Can you provide details showing any necessary accessories for equipment connections?*

**A specification, sketches showing pipe sizing and layout, and details for accessories for connections will not be provided. The natural gas piping shall meet the requirements of Frederick County, MD; UGI; and the International Fuel Gas Code, latest edition adopted by Frederick County. Size of the gas service/natural gas pipe size shall be suitable for the generator furnished. Layout and details for equipment selection shall be determined by the Contractor based upon the requirements of UGI; the International Fuel Gas Code; and Frederick County based upon the generator furnished. Meter yoke shall be set per UGI requirements for height and spacing of the unions to connect the meter. Exposed piping shall be threaded black steel pipe meeting the requirements of the International Fuel Gas Code and coated yellow. Contractor shall submit the gas piping layout to the Engineer for approval. The Contractor shall apply for a permit to Frederick County, Maryland by a master plumber for the gas piping with inspection required prior to connecting. All Frederick County permit requirements shall be met by the Contractor, including all associated fees. See Note 17, Sheet C3 for additional information.**

20. *Plan Sheet C3 shows the LOD for the project extending across Creamery Road for the connection to the Existing Gas Line (See Note 17) . Please clarify if Contractor will be responsible for Traffic Control, Trenching, Backfill & HMA Paving Restoration across Creamery Road.*

**Yes, the Contractor is responsible for Traffic Control, Trenching, Backfill and HMA Paving Restoration across Creamery Road. Contractor shall be responsible to coordinate with UGI for the installation of the gas line across Creamery Road and for trenching and backfill requirements for the gas line.**

21. *Addendum One thru Four have been issued. However, there are no dates listed on each addendum to put on the Bid Form. What dates would you like us to use?*

**Use the following dates for the Addenda:**

**Addendum 1, February 7, 2023.**

**Addendum 2, February 17, 2023.**

**Addendum 3, February 28, 2023.**

**Addendum 4, March 1, 2023.**

**Addendum 5, March 9, 2023.**

22. *Plan Sheet E2. Please provide the detail for the power company transformer pad referenced on Sheet E2, Note 2.*

**See attached standard detail for the power company transformer pad. The transformer pad shall be constructed in accordance with Potomac Edison requirements. Contractor shall coordinate with Potomac Edison for the transformer pad.**

23. *Article 13 of Project Manual, Article 13 - Basis of Bid, section 13.01 states bidders must submit a bid based on a lump sum basis however, section 13.05 states that bidders must submit a bid on a unit price basis for each item of work listed in the unit price section of the bid form. The bid form does not show any bid items. Please clarify what the unit price items are intended to be for this project.*

**There are no unit prices to include on the bid form. The Basis of Bid shall be lump sum. The unit prices should be blank.**

24. *Plan Sheet C3 Please provide a paving restoration detail for the gas line utility patch on Creamery Road.*

**Contractor shall refer to the Frederick County Utility Trench Backfill/Pavement Repair Detail #1 for Bituminous Concrete Roadways for the pavement restoration on Creamery Road. Detail attached.**

25. *Spec 03300, Specification section 03300-3.22(C) requires that structures which are designed to contain liquid be tested for leakage. The spec only references a water test. Will an air test be acceptable to verify the acceptability of the structure?*

**An air test is not acceptable. Testing shall be in accordance with Specification Section 03300.**

26. *Plans, SWM3, Regarding the bioretention facility shown on sheet SWM3, does the impermeable liner go inside the bioretention facility on the sides and bottom or is this liner meant for the 57 stone outlet trench? Also, please confirm the bioretention soil mixture type since it is shown on two tables on this sheet. Is it MDE B.4.1 (Top Table) or SHA Bioretention Soil Mix?*

**The impermeable liner is installed only on the bioretention facility sides and bottom in accordance with the material specifications for bioretention. The bioretention soil mixture type shall be in accordance with MDE Table B.4.1.**

27. *Regarding addendum #4, question & answer #3 leak testing: Please confirm if leak test is required before or after the interior and exterior lining/waterproofing. Concrete is susceptible to cracking and most of the time will have leaks until it is waterproofed so please provide further clarification. Please confirm if this structure is considered a Surcharged Containment Structure and therefor will need to follow Surcharged leak testing.*

**Concrete is to be leak tested prior to any interior or exterior coatings/lining/waterproofing. Structure is not a Surcharged Containment Structure. Hydrostatic testing, HST-100, is applicable to this project. (ACI 350.1-01).**

28. *What is the average daily flow at the pump station (not the max flow 3300 gpm)?*

**To provide additional information to the response to Question 3 in Addendum 3 regarding the average daily flow at the pump station, currently, there is a flow meter that sends a 4-20ma signal to an old chart recorder with a totalizer. Based on the chart recorder, the average daily flow was 432,738 GPD during 2022. The average daily flow was 465,777 GPD during January 2023. The pump station discharge is pumped to the Town of Emmitsburg Wastewater Treatment Plant (WWTP). The average daily flow at the WWTP is 0.75 MGD and the WWTP peak hourly flow is 5.64 MGD. Note that the 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 in accordance with Specification Section 02750.**

APPROVED: 06/09/22

1. ALL EXISTING FEATURES DENOTED BY SLANTED TEXT.

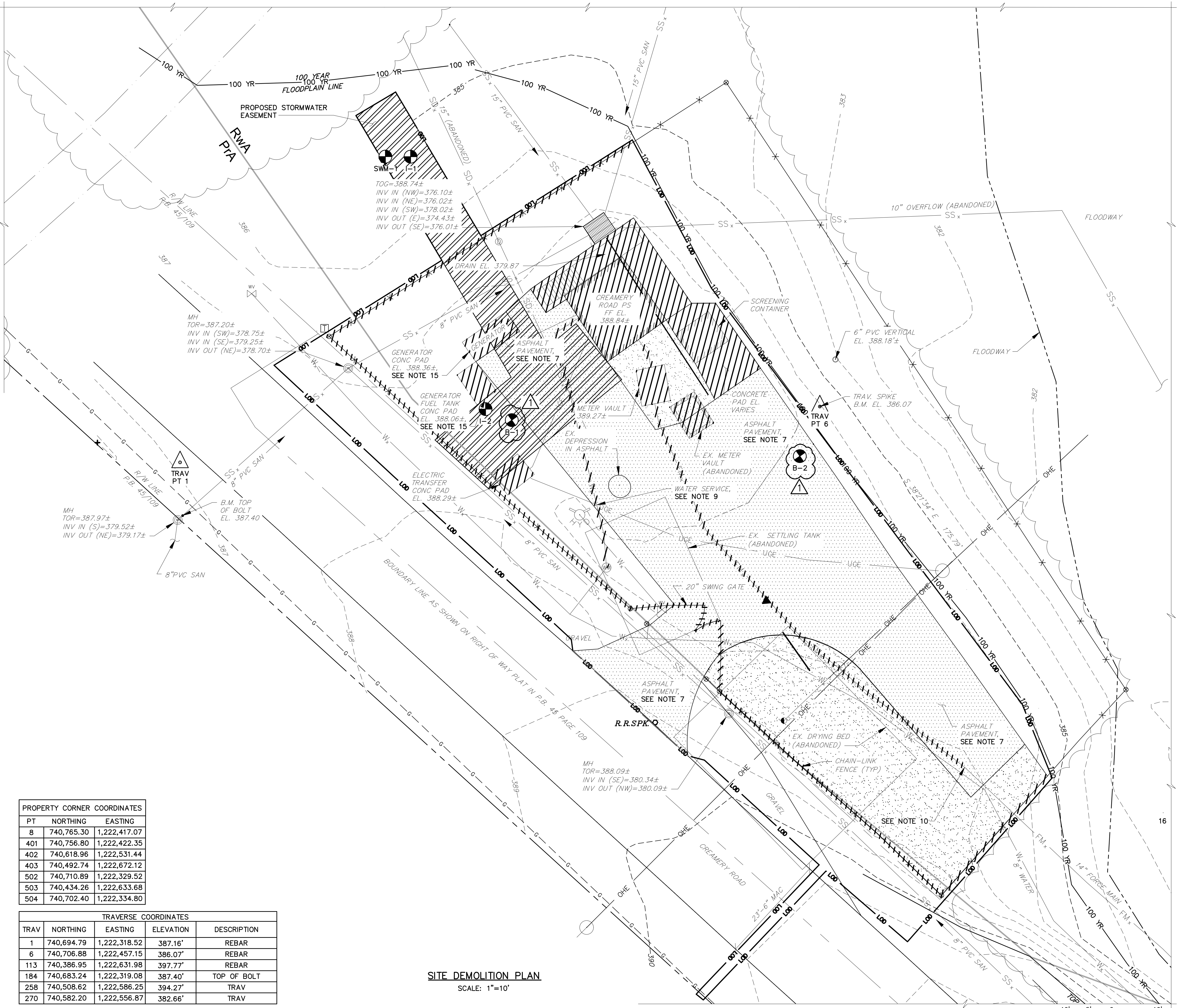
HORIZONTAL CONTROL IS BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM AND 83(2011). VERTICAL CONTROL IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). HORIZONTAL AND VERTICAL CONTROL ARE REFERENCED TO THE LISTED BENCH MARK:  
 STATION: TRAVERSE SPIKE 1  
 NORTHING: 740,694.79  
 EASTING: 1,222,318.52  
 ELEVATION: 387.16  
 DESCRIPTION: TRAVERSE SPIKE ALONG SHOULDER OF CREAMERY ROAD

- THE LOCATIONS OF UNDERGROUND UTILITIES ARE BASED ON ABOVEGROUND FIELD OBSERVATIONS AND RECORD DRAWINGS. ADDITIONAL BURIED UTILITIES OR STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE TO LOCATE BURIED UTILITIES/STRUCTURES. ALL SUBSURFACE UTILITIES/STRUCTURES SHOWN ARE TO BE CONSIDERED APPROXIMATE LOCATIONS ONLY. UNDERGROUND UTILITIES MUST BE VERIFIED BY TEST PITS.
- PROVIDE TEN (10) DAYS' NOTICE TO THE TOWN PRIOR TO THE START OF DEMOLITION SO THAT COMPONENTS DESIRED FOR SALVAGE CAN BE IDENTIFIED.
- EXISTING IMPERVIOUS AREA = 5,715 SF (0.131 AC.).
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TEMPORARY SHORING AND BRACING REQUIRED TO MAINTAIN STABILITY OF EXISTING STRUCTURES AND UTILITIES.
- EXISTING ASPHALT PAVEMENT AND ASSOCIATED STONE SUBBASE SHALL BE REMOVED TO A DEPTH OF 11 1/2" IN PREPARATION FOR NEW PAVEMENT AND GRASS. TOTAL AREA OF REMOVAL = 4,500 SF (0.103 AC.).
- EXISTING GRASS AND SOIL SHALL BE REMOVED TO A DEPTH OF 11 1/2" IN PREPARATION FOR NEW PAVEMENT AND STRUCTURES. TOTAL AREA OF REMOVAL = 5,860 SF (0.135 AC.).
- SOURCE OF WATER SERVICE HAS NOT BEEN VERIFIED. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE SOURCE OF WATER PRIOR TO DISCONNECTION AND DEMOLITION OF PIPING. CONTRACTOR SHALL BE RESPONSIBLE FOR ISOLATING THE SOURCE OF WATER FOR THE PIPING TO BE DEMOLISHED AND CAPPING THE WATER SOURCE, AS REQUIRED.
- REMOVE THE EXISTING FORCE MAIN TO THE EXTENT NECESSARY TO INSTALL THE NEW FORCE MAIN AND VALVE VAULT AS SHOWN.
- THE EXISTING PUMP STATION SHALL REMAIN IN SERVICE DURING CONSTRUCTION OF THE NEW PUMP STATION. BEFORE ANY DEMOLITION TO THE EXISTING PUMP STATION BEGINS, EITHER THE TEMPORARY BYPASS PUMPING SYSTEM MUST BE INSTALLED TESTED AND OPERATIONAL OR THE NEW PUMP STATION INSTALLED, TESTED AND OPERATIONAL (TO INCLUDE COMPLETION OF THE 30-DAY DEMONSTRATION PERIOD).
- BLASTING IS NOT PERMITTED UNDER ANY CIRCUMSTANCES FOR EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY AND FUNCTIONALITY OF THE EXISTING SEWAGE PUMP STATION DURING CONSTRUCTION. SEE SPECIFICATION SECTION 02280 FOR CONSTRUCTION VIBRATION MONITORING REQUIREMENTS. EXCAVATION ACTIVITIES SHALL BE MONITORED AS REQUIRED BY SPECIFICATION SECTION 02280 TO ENSURE ADDITIONAL STRESSES AND/OR DAMAGE TO THE EXISTING SEWAGE PUMP STATION DOES NOT OCCUR DURING CONSTRUCTION. MONITORING SHALL BE REQUIRED UNTIL SUCCESSFUL COMPLETION OF THE DEMONSTRATION PERIOD. POST CONSTRUCTION MONITORING SURVEY WITH REQUIRED PHOTOS MAY BE WAIVED BY THE ENGINEER UPON COMPLETION OF THE DEMONSTRATION PERIOD FOR THE NEW CREAMERY ROAD SEWAGE PUMP STATION.
- GAS MAIN IS LOCATED ON THE SOUTH SIDE OF CREAMERY ROAD. GAS MAIN INFORMATION IS BASED ON SURVEY INFORMATION. CONTRACTOR SHALL VERIFY EXACT LOCATION WITH UGI UTILITY CORPORATION.
- THE PUMPING STATION DESIGN CAPACITY OF 3,300 GPM MUST REMAIN AVAILABLE FOR THE DURATION OF THE PROJECT. PROVIDE TEMPORARY BYPASS PUMPING AS NECESSARY TO COMPLETE THE NEW PUMP STATION. TEMPORARY BYPASS PUMPING AROUND THE PUMP STATION FOR A LIMITED DURATION OF THE PROJECT WAS ASSUMED BY THE ENGINEER. HOWEVER, IT IS SPECIFICALLY NOTED THAT MEANS AND METHODS OF CONSTRUCTION ARE THE CONTRACTOR'S RESPONSIBILITY. TEMPORARY BYPASS PIPING FROM THE EXISTING PUMP STATION DISCHARGE AROUND THE WORK AREAS FOR THE NEW PUMP STATION WAS ASSUMED BY THE ENGINEER FOR THE PROJECT DURATION. IT IS RECOMMENDED THAT THE CONTRACTOR PERFORM WHATEVER INVESTIGATION IT DEEMS NECESSARY TO UNDERSTAND WHAT IS GOING TO BE INVOLVED TO CONDUCT THIS WORK TO ITS OWN SATISFACTION. CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY POWER AS MAY BE REQUIRED FOR TEMPORARY BYPASS PUMPING.
- REMOVE THE DIESEL GENERATOR, DIESEL FUEL STORAGE TANK, ASSOCIATED PIPING, AND ALL OTHER ACCESSORIES WITH THE DIESEL GENERATOR IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

PROPERTY CORNER COORDINATES		
PT	NORTHING	EASTING
8	740,765.30	1,222,417.07
401	740,756.80	1,222,422.35
402	740,618.96	1,222,531.44
403	740,492.74	1,222,672.12
502	740,710.89	1,222,329.52
503	740,434.26	1,222,633.68
504	740,702.40	1,222,334.80

TRAVERSE COORDINATES				
TRAV	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	740,694.79	1,222,318.52	387.16'	REBAR
6	740,706.88	1,222,457.15	386.07'	REBAR
113	740,386.95	1,222,631.98	397.77'	REBAR
184	740,683.24	1,222,319.08	387.40'	TOP OF BOLT
258	740,508.62	1,222,586.25	394.27'	TRAV
270	740,582.20	1,222,556.87	382.66'	TRAV

**SITE DEMOLITION PLAN**  
 SCALE: 1"=10'



PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.  
 LICENSE NO. 22185  
 EXPIRATION DATE 07/09/2024

NO.	REVISIONS	DESCRIPTION	BY	DATE
1	JSG			3/23

TOWN OF EMMITSBURG, MARYLAND  
 NEW CREAMERY ROAD SEWAGE PUMP STATION

ENGINEER	CHECKED BY
JSG	RAL
DRAWN BY	DATE
JAB	1/2023
RK&K PROJECT NUMBER	
19082	

DRAWING NUMBER  
**C2**  
 SHEET NO. 5 OF 60

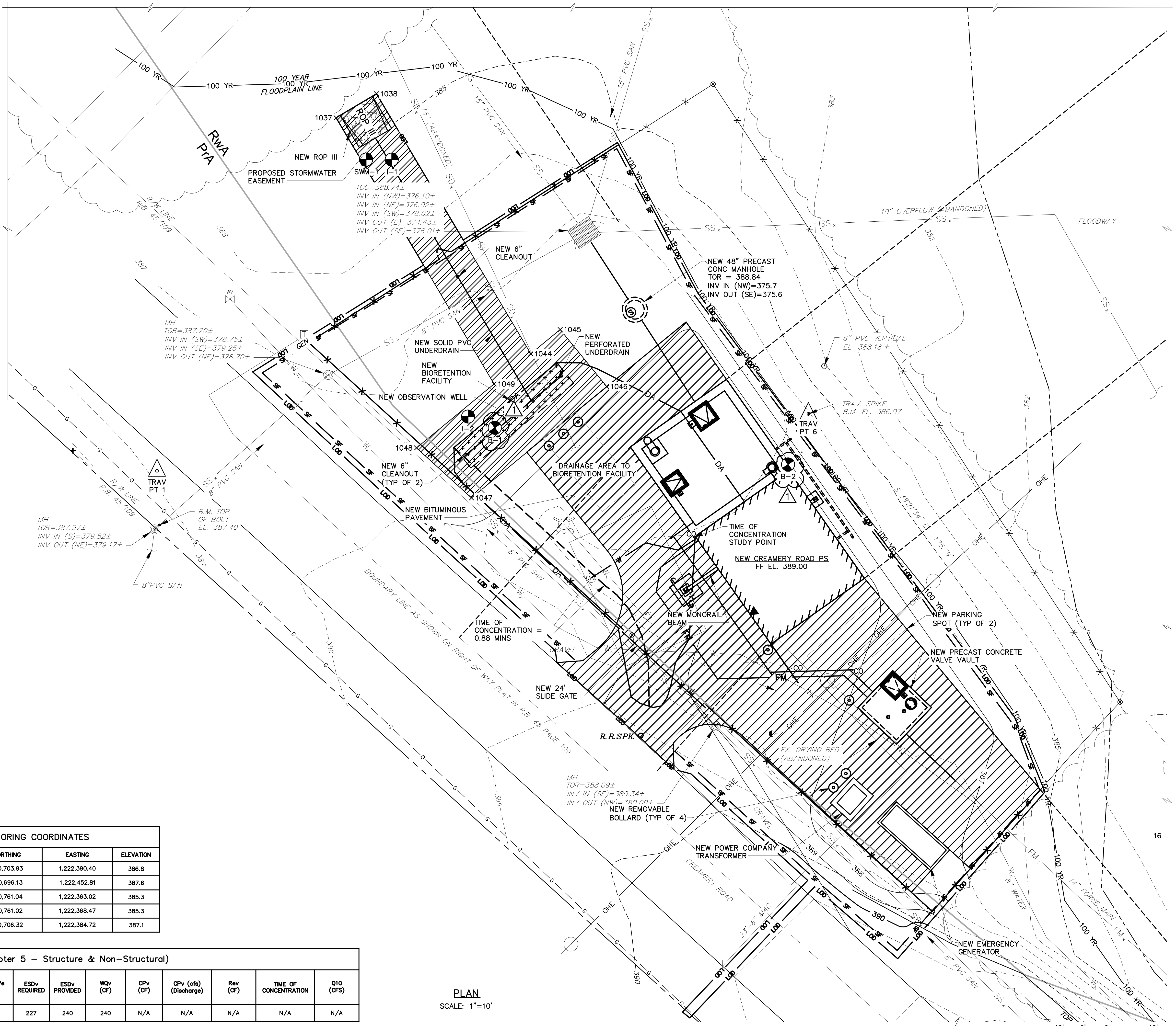


700 EAST PRATT STREET, SUITE 500  
 BALTIMORE, MARYLAND 21202  
 800.787.3795



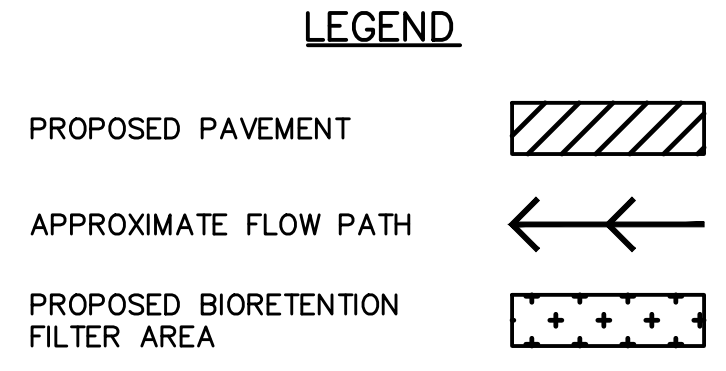


- GENERAL NOTES:**
- STORMWATER MANAGEMENT REQUIREMENTS AT THE SITE HAVE BEEN ADDRESSED THROUGH USE OF THE PROPOSED BIORETENTION FACILITY. FOR BIORETENTION AND DRYWELL DETAILS, SEE SHEET SWM2 AND SWM3.
  - 95% OF SOILS ON SITE ARE R<sub>WA</sub>. 5% OF SOILS ON THE SITE ARE P<sub>RA</sub>.
  - QUANTITY CONTROL FOR THE PROJECT SITE HAS BEEN ACHIEVED THROUGH A SLIGHT REDUCTION IN IMPERVIOUS COVER. THE SITE IS CATEGORIZED AS REDEVELOPMENT IN ACCORDANCE WITH THE MDE 2009 STORMWATER DESIGN MANUAL.
  - FOR UNDERGROUND PIPING SYSTEMS SEE SHEET C2.



**HORIZONTAL AND VERTICAL COORDINATES**

PT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1037	740,769.94	1,222,356.63	-	EASEMENT COR
1038	740,775.04	1,222,365.23	-	EASEMENT COR
1044	740,719.69	1,222,398.06	-	EASEMENT COR
1045	740,724.85	1,222,404.31	-	EASEMENT COR
1046	740,712.73	1,222,414.21	-	EASEMENT COR
1047	740,689.01	1,222,385.44	-	EASEMENT COR
1048	740,699.65	1,222,373.75	-	EASEMENT COR
1049	740,713.26	1,222,390.25	-	EASEMENT COR



**SITE SWM SUMMARY TABLE**

ITEM	UNIT	VALUE
SITE AREA	AC	0.29
DISTURBANCE AREA	AC	0.16
EXISTING IMPERVIOUS	AC	0.13
PROPOSED IMPERVIOUS	AC	0.13
TOTAL IMPERVIOUS	AC	0.13
SITE P <sub>e</sub>	INCHES	1.0
DEVELOPMENT TYPE	REDEVELOPMENT	
ESD <sub>v</sub> REQUIRED	CF	227
ESD <sub>v</sub> PROVIDED	CF	240

**BORING COORDINATES**

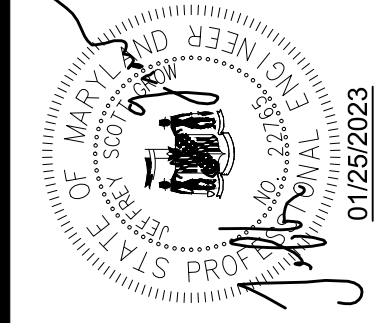
PT	NORTHING	EASTING	ELEVATION
B-1	740,703.93	1,222,390.40	386.8
B-2	740,696.13	1,222,452.81	387.6
SWM-1	740,761.04	1,222,363.02	385.3
I-1	740,761.02	1,222,368.47	385.3
I-2	740,706.32	1,222,384.72	387.1

**ESD Practices (Chapter 5 - Structure & Non-Structural)**

TYPE	NO.	DA (ACRES) (To Structure)	IMPERVIOUS DA (ACRES) (To Structure)	TARGET P <sub>e</sub> (INCHES)	PROVIDED P <sub>e</sub> (INCHES)	ESD <sub>v</sub> REQUIRED	ESD <sub>v</sub> PROVIDED	WQ <sub>v</sub> (CF)	CP <sub>v</sub> (CF)	CP <sub>v</sub> (cfs) (Discharge)	Rev (CF)	TIME OF CONCENTRATION	Q10 (CFS)
BIORETENTION	1	0.287	0.131	1.0	1.0	227	240	240	N/A	N/A	N/A	N/A	N/A

**PLAN**  
 SCALE: 1"=10'

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.



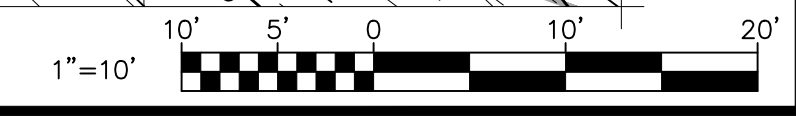
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 LICENSE NO. 22185 EXPIRATION DATE 07/09/2024  
**RK&K**  
 700 EAST PRATT STREET, SUITE 500  
 BALTIMORE, MARYLAND 21202  
 800.787.3795

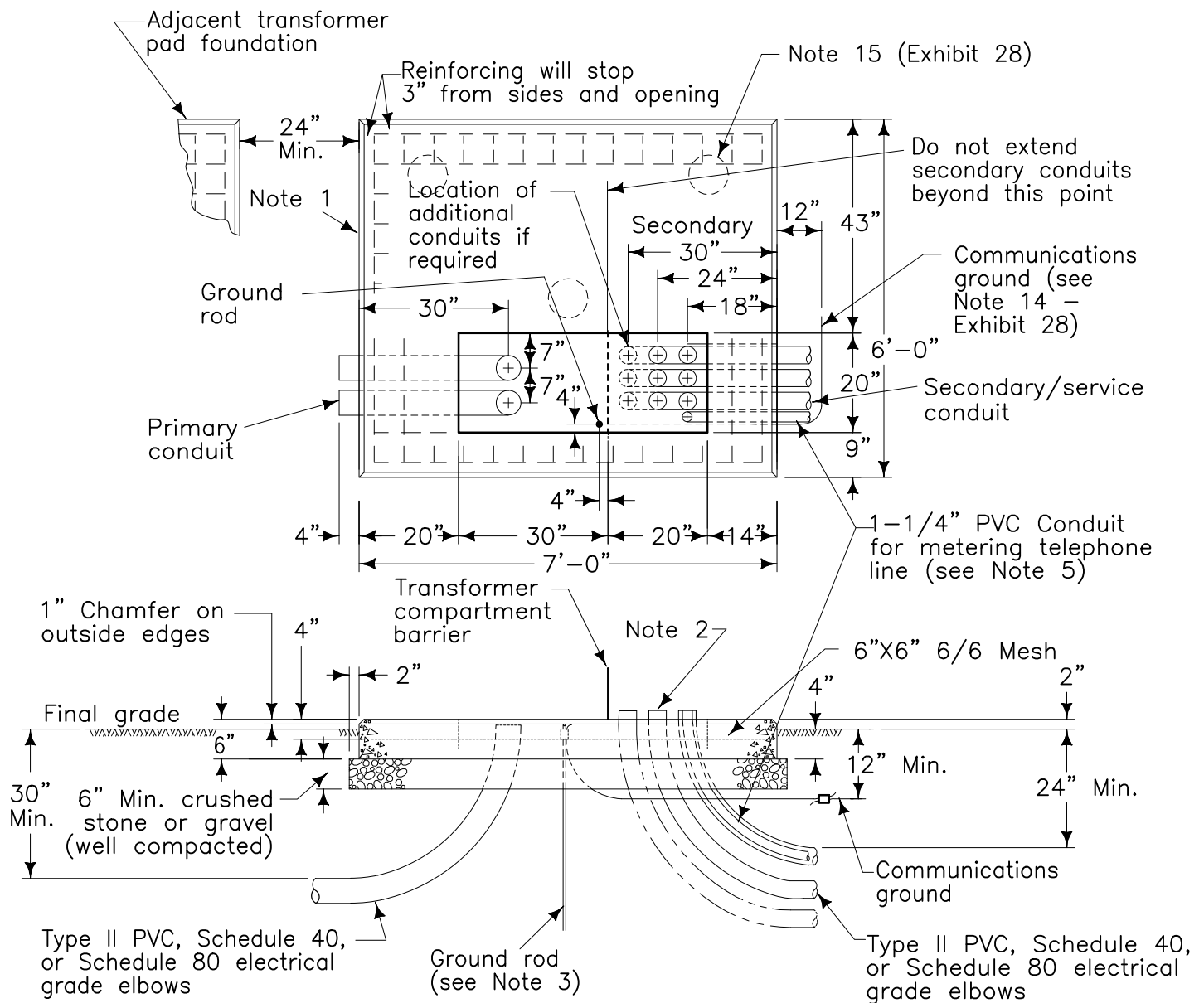
NO.	REVISIONS	DATE	BY
3/23	JSC		

TOWN OF EMMITSBURG, MARYLAND  
 NEW CREAMERY ROAD SEWAGE PUMP STATION  
 EMMITSBURG, MARYLAND  
**STORMWATER MANAGEMENT PLAN**

ENGINEER	CHECKED BY
JSG	RAL
DRAWN BY	DATE
JAB	1/2023
RK&K PROJECT NUMBER	
19082	

DRAWING NUMBER  
**SWM1**  
 SHEET NO. 11 OF 60





**NOTES:**

1. Refer to Exhibit 28 for concrete pad foundation, pad-mounted transformer General Notes.
2. Secondary conduits should not extend more than 2 inches (maximum) above the top of foundation. Primary conduits should be cut off 2 inches below the top of foundation to allow for terminating the cables.
3. Customer shall furnish and install one 5/8-inch diameter x 8-foot ground rod, grounding connections, and #6 AWG copper communications ground wire (minimum length of wire required - 7-1/2 feet).
4. See Exhibit 22 for clearance from the building wall or other parts of building.
5. When required, extend 1-1/4-inch conduit to location at the customer's building where telephone line service can be made available at the telephone demarcation point.

**CONCRETE FLAT-PAD FOUNDATION  
PAD-MOUNTED TRANSFORMER 75 TO 500 KVA,  
THREE-PHASE, 34.5 KV & BELOW HIGH-SIDE**

**FirstEnergy**

Service Guide

REV.

0

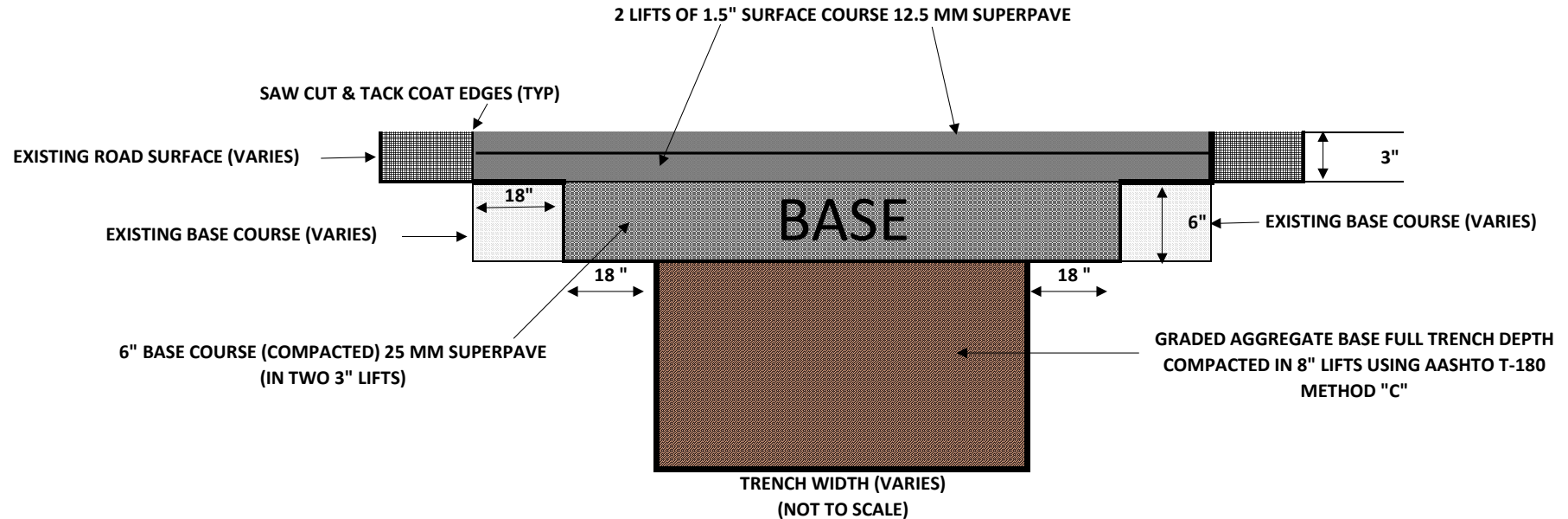
**EXHIBIT 26**

DATE

8/14

# UTILITY TRENCH BACKFILL/PAVEMENT REPAIR DETAIL #1

## BITUMINOUS CONCRETE ROADWAYS



1. BASE COURSE TO EXTEND 18" BEYOND TRENCH CUT ON BOTH SIDES
2. SURFACE COURSE TO EXTEND 18" BEYOND BASE COURSE ON BOTH SIDES
3. BASE COURSE AND AT LEAST ONE SURFACE COURSE LAYER TO BE DONE IN SAME DAY, OR FLUSH WITH EXISTING ROADWAY
4. FINAL SURFACE COURSE LAYER SHALL BE DONE WITHIN 5 CALENDAR DAYS OF THE INITIAL SURFACE COURSE
5. EXISTING PAVEMENT EDGES TO BE SAW CUT
6. ALL VERTICAL EDGES OF THE REPAIR AREA SHALL BE TACKED BEFORE PLACEMENT OF THE SURFACE COURSE
7. THE CONTRACTOR IS REQUIRED TO APPLY FOR AND OBTAIN A "CONSTRUCTION/UTILITY WORK IN COUNTY RIGHT-OF-WAY" PERMIT
8. ENSURE THAT ALL TRENCH BACKFILL, ETC. IS SPECIFIED TO COMPLY WITH THE CONDITIONS OF THIS PERMIT
9. REFER TO "PAVEMENT RESTORATION SPECIFICATIONS & DETAILS" AND "OVERLAY" SPECIFICATIONS FOR MORE DETAILS
10. COMPACTION SHALL BE 92% OF MAXIMUM DENSITY BASED UPON AASHTO T-180 Method "C" EXCEPT FOR THE TOP ONE FOOT (1') OF THE ROADWAY WHICH SHALL BE 97% OF THE MAXIMUM DRY DENSITY BASED UPON AASHTO T-180 Method "C".