

**GENERAL NOTES:**

- THE WORK FOR THIS PROJECT SHALL BE COMPLETED AS IDENTIFIED IN THE CONTRACT DOCUMENTS FOR THIS PROJECT.
- CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AND APPLICABLE PERMITS ON SITE AT ALL TIMES. AS-BUILT INFORMATION SHALL BE UPDATED AND MAINTAINED ON CONTRACT DRAWINGS AT ALL TIME AND BE AVAILABLE FOR IMMEDIATE REVIEW.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLETE SUCH WORK, AND THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEMS IN THE BID.
- UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE BALTIMORE COUNTY STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, BALTIMORE COUNTY STANDARD DETAILS FOR CONSTRUCTION, AND AMENDMENTS THERETO.
- ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MSHA) BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES AND MSHA'S MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION WITH THE LATEST INCORPORATED REVISIONS ISSUED ON OR BEFORE THE DATE OF ADVERTISEMENT OF THIS CONTRACT.
- A CONSTRUCTION SCHEDULE SHALL BE SUBMITTED TO THE BUREAU OF ENGINEERING AND CONSTRUCTION, CONSTRUCTION CONTRACTS ADMINISTRATION DIVISION, AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE. SCHEDULE SHALL BE UPDATED AND SUBMITTED MONTHLY AND UPON REQUEST.
- SUBMITTALS ON MATERIALS FOR THIS PROJECT SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ASSOCIATED WITH THEIR WORK AND TO PREPARE ACCURATE DOCUMENTS ACCORDINGLY, PRIOR TO SUBMISSION OF ANY METHODS AND/OR MATERIALS FOR REVIEW. NO MATERIALS SHALL BE ORDERED PRIOR TO OBTAINING SHOP DRAWING APPROVAL AND ADDRESSING REVIEW COMMENTS. DESIGN DOCUMENTS AND SHOP DRAWING APPROVALS SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY OF COLLECTING ACCURATE MEASUREMENTS AND COORDINATING PRODUCTS/SERVICES TO PROVIDE A COMPLETE AND FUNCTIONAL PRODUCT PER THE INTENT OF THE WORK. THE CONTRACTOR SHALL CLEARLY IDENTIFY ANY DEVIATIONS MADE FROM THE CONTRACT DOCUMENTS IN THEIR SHOP DRAWING SUBMITTALS.
- THE CONTRACTOR SHALL DOCUMENT PRE-CONSTRUCTION CONDITIONS OF THE ENTIRE PROJECT THROUGH PHOTOGRAPHICAL/VIDEO MEANS. THE LEVEL OF DOCUMENTATION IS TO SATISFY CLAIMS AGAINST THE CONTRACTOR THAT THE PROPERTY OWNER MAY CLAIM. THERE SHALL BE NO PAYMENT FOR THIS WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE SUSTAINED TO PRIVATE PROPERTY AS A RESULT OF THEIR WORK, AND SHALL CONDUCT THEIR WORK IN ACCORDANCE WITH REGULATIONS RELATING THERETO.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE BALTIMORE COUNTY DATUM, NAVD 88. ALL COORDINATES SHOWN ON THE PLANS ARE BASED ON THE MARYLAND COORDINATE SYSTEM, NAD 83/11.
- THE LOCATION OF FEATURES SHOWN ON THESE DRAWINGS ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR, AND BALTIMORE COUNTY DOES NOT WARRANT AND/OR GUARANTEE THE ACCURACY OR COMPLETENESS OF THE INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY TO THEIR SATISFACTION THE WORK REQUIREMENTS ASSOCIATED WITH ALL LOCATIONS, INCLUDING SITE ACCESS/WORK AREA, DIMENSIONS OF ANY EXISTING UTILITIES, PRIVATE UTILITY HOUSE CONNECTION LOCATIONS, FEATURES AND/OR STRUCTURES RELATED TO PROJECT CONSTRUCTION PRIOR TO ORDERING MATERIALS OR COMMENCING WORK.
- WHEN EXCAVATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY MISS UTILITY (1-800-257-7777) A MINIMUM OF 72-HOURS PRIOR TO START OF EXCAVATION TO DETERMINE THE LOCATION OF EXISTING UTILITIES. IN THE EVENT ANY UTILITIES ARE INCORRECTLY MARKED BY MISS UTILITY LOCATORS, THE COUNTY SHALL NOT BE LIABLE AND A DISCREPANCY/DISPUTE TICKET SHALL BE FILED BY THE CONTRACTOR WITH MISS UTILITY.
- THE EXISTING UTILITIES AND OTHER EXISTING FEATURES THAT ARE SHOWN ON THE PLANS ARE APPROXIMATE. FROM THE BEST AVAILABLE RECORDS AND THE ACCURACY AND THE COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS TO THEIR SATISFACTION PRIOR TO INITIATING ANY WORK ACTIVITIES. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT AND SUPPORT EXISTING UTILITIES, STRUCTURES, AND/OR OTHER FEATURES LOCATED NEAR WORK ACTIVITIES AND MAINTAIN UNINTERRUPTED SERVICE/USE. DAMAGE TO EXISTING UTILITIES AS A RESULT OF CONTRACTOR WORK ACTIVITIES SHALL BE IMMEDIATELY REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- UNDERGROUND UTILITIES (ELECTRIC, CABLE, WATER, SEWER, STORM DRAIN ETC.) MAY OR MAY NOT EXIST ON THE PRIVATE PROPERTY OR OUTSIDE THE COUNTY'S R.O.W. THE LOCATION OF THESE SERVICES ARE UNKNOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGING THESE UTILITIES. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- WHERE EXISTING UNDERGROUND UTILITIES OR OTHER STRUCTURES APPEAR TO BE IN CLOSE PROXIMITY TO THE PROPOSED CONSTRUCTION ACTIVITIES, OR WHEN APPROACHING EXISTING UTILITIES OR STRUCTURES, TEST PITS SHALL BE USED WELL IN ADVANCE TO VERIFY THE LOCATIONS, SIZE OR EXTENT OF THE SITUATION ALLOWING APPROPRIATE ADJUSTMENTS TO BE MADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEST PITTING DETERMINED TO BE NECESSARY PRIOR TO PERFORMING ANY WORK THAT MAY IMPACT THESE UTILITIES. ALL TEST PITTING MUST BE APPROVED BY THE ENGINEER. ANY UTILITY, WHETHER SHOWN OR NOT, THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER. THE OWNER IS TO BE ADVISED IMMEDIATELY OF ANY DISCREPANCIES IDENTIFIED BETWEEN THE CONTRACT DOCUMENTS AND FIELD CONDITIONS. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT THE AUTHORIZATION OF THE OWNER, THE CONTRACTOR ASSUMES THE RESPONSIBILITY FOR SAID CORRECTIONS OR ADJUSTMENTS.
- THIS DOCUMENT INCLUDES INFORMATION AND DEPICTIONS OF BALTIMORE GAS AND ELECTRIC ("BGE") ELECTRIC AND/OR GAS UTILITIES LOCATED WITHIN THE PROJECT AREA (THE "BGE UTILITY INFORMATION"). LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS-BUILT, AND THE INFORMATION SHALL NOT BE RELIED UPON WITHOUT FIELD VERIFICATION. EXCAVATORS MUST FOLLOW BEST PRACTICES WHEN APPROACHING BGE ELECTRIC AND GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS INCLUDING BUT NOT LIMITED TO THE "MISS UTILITY LAW" AND THE "HIGH VOLTAGE LINE ACT." NO REPRESENTATION, GUARANTEES, OR WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE BY BGE AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITY INFORMATION, AND IN ACCEPTING THIS DOCUMENT, THE RECIPIENT EXPRESSLY ACKNOWLEDGES AND AGREES THAT IT IS NOT RELYING ON THE ACCURACY OF THE SAME.
- PROPERTY LINES ARE SHOWN ONLY AS AN AID IN PLAN INTERPRETATION AND ARE NOT INTENDED AS DEFINITIVE. SURVEYED PROPERTY FOR OFFICIAL RIGHT OF WAY AND EASEMENT INFORMATION SEE BALTIMORE COUNTY OFFICE OF REAL ESTATE COMPLIANCE PLATS.
- ALL PROPERTY MARKERS SHOWN ON THE DRAWINGS AND DISTURBED BY THE CONTRACTOR MUST BE RESET IN THE ORIGINAL LOCATION BY THE CONTRACTOR AFTER CONSTRUCTION IS COMPLETE. ALL COSTS FOR RESETTING PROPERTY MARKERS SHALL BE INCIDENTAL TO THE ITEMS BID.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DEVIATION TO THIS PLAN AND/OR EXISTING FIELD CONDITIONS PRIOR TO ANY FIELD CHANGES BEING MADE. ANY CHANGE TO THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE BUREAU OF ENGINEERING & CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY AREA OUTSIDE OF THE EXISTING PAVING, RIGHT-OF-WAY OR LIMIT OF DISTURBANCE AS SHOWN ON THE SEDIMENT CONTROL DRAWINGS WHICH IN THE CONTRACTOR'S OPINION IS NEEDED TO COMPLETE PROJECT CONSTRUCTION, MUST BE APPROVED PRIOR TO CONSTRUCTION BY THE ENGINEER AND ALL APPROPRIATE STATE/COUNTY/FEDERAL ENVIRONMENTAL AGENCIES.
- ALL WORK SHALL COMPLY WITH THE APPROVED SEDIMENT AND EROSION CONTROL PLANS INCLUDED HEREIN AND ALL APPLICABLE PROVISIONS OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" ISSUED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT AND THE NATURAL RESOURCES CONSERVATION SERVICE AS WELL AS BALTIMORE COUNTY SOIL CONSERVATION DISTRICT REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING SILT AND DEBRIS OUT OF THE STORM DRAINAGE SYSTEM, STREAMS, RIVERS, ETC. FOR THE DURATION OF THE PROJECT.
- ALL STORM DRAIN APPURTENANCES, DITCHES, ETC., SHALL REMAIN FUNCTIONAL DURING CONSTRUCTION AND SHALL BE PROTECTED BY THE CONTRACTOR FROM SEDIMENT RUNOFF. EXCAVATED MATERIAL SHALL NOT BE PLACED IN OR OBSTRUCT DRAINAGE DITCHES. DITCHES AND OTHER STORM DRAIN FACILITIES SHALL BE RETURNED TO ORIGINAL CONDITION FOLLOWING CONSTRUCTION.
- DURING TRENCH DEWATERING OPERATIONS NO WATER SHALL BE DISCHARGED DIRECTLY ACROSS THE GROUND OR INTO AN EXISTING BODY OF WATER OR STREAM WITHOUT FLOWING THROUGH AN APPROVED PORTABLE SEDIMENT TANK. IN ADDITION, AN APPROVED DEWATERING METHOD SHALL BE USED TO REMOVE SEDIMENT-LADEN WATER FROM TRAPS, SUMPS, ETC. THIS WATER SHALL NEVER BE DISCHARGED DIRECTLY TO A STORM DRAIN OR CHANNEL.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS AND ALLEYS OF DUST AND TAKE WHATEVER MEASURES NECESSARY TO ENSURE THAT ALL ROADS ARE MAINTAINED IN A MUD AND DUST FREE CONDITION AT ALL TIMES. DIRT AND/OR MUD TRACKED ONTO ROADS SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR.
- ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF EXCAVATIONS, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER. EXCAVATIONS WHICH ARE TO BE LEFT OPEN OVERNIGHT, OR WHEN THE CONTRACTOR'S FORCES ARE NOT PRESENT, SHALL BE APPROVED BY BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION AND SO PROTECTED OR ENCLOSED AND EFFECTIVELY MARKED TO PRESENT NO DANGER TO THE PUBLIC OR OTHER VISITORS TO THE AREA. EXCAVATIONS OCCURRING IN THE ROADWAY SHALL HAVE PLATES PLACED OVER THE EXCAVATION. IF THE CONTRACTOR IS NOT PRESENT, SILT FENCING SHALL BE PLACED ON THE DOWNHILL SIDE OF ANY AREA TO BE WORKED BY THE CONTRACTOR'S FORCES, AS MAY BE REQUIRED.
- THE CONTRACTOR SHALL OPEN ONLY THE SECTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED IN ONE DAY. THE END OF THE PIPE SHALL BE PLUGGED OR CAPPED AND PLATED OVER AT THE END OF EACH WORK DAY.
- THE CONTRACTOR SHALL PROVIDE APPROPRIATE TREE AND LANDSCAPE PROTECTION WHEN CONSTRUCTION ACTIVITIES ARE IN THE VICINITY OF STAND-ALONE TREES, FORESTED AREAS OR LANDSCAPING.
- EQUIPMENT AND MATERIALS SHALL NOT BE LEFT OVERNIGHT WITHIN DESIGNATED LIMITS OF THE 100 YEAR FLOODPLAIN.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING LANDSCAPING, ROADS, DRIVEWAYS, CULVERTS, DRAINAGE DITCHES, DRAIN FIELDS, UTILITIES, PIPES, STRUCTURES AND EQUIPMENT WHICH OCCURS BECAUSE OF PROJECT CONSTRUCTION. ANY ITEM DAMAGED BY WORK ACTIVITIES SHALL BE REPAIRED TO EITHER PRECONSTRUCTION CONDITION OR REPLACED IN KIND.

BALTIMORE COUNTY MARYLAND  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
BUREAU OF ENGINEERING AND CONSTRUCTION

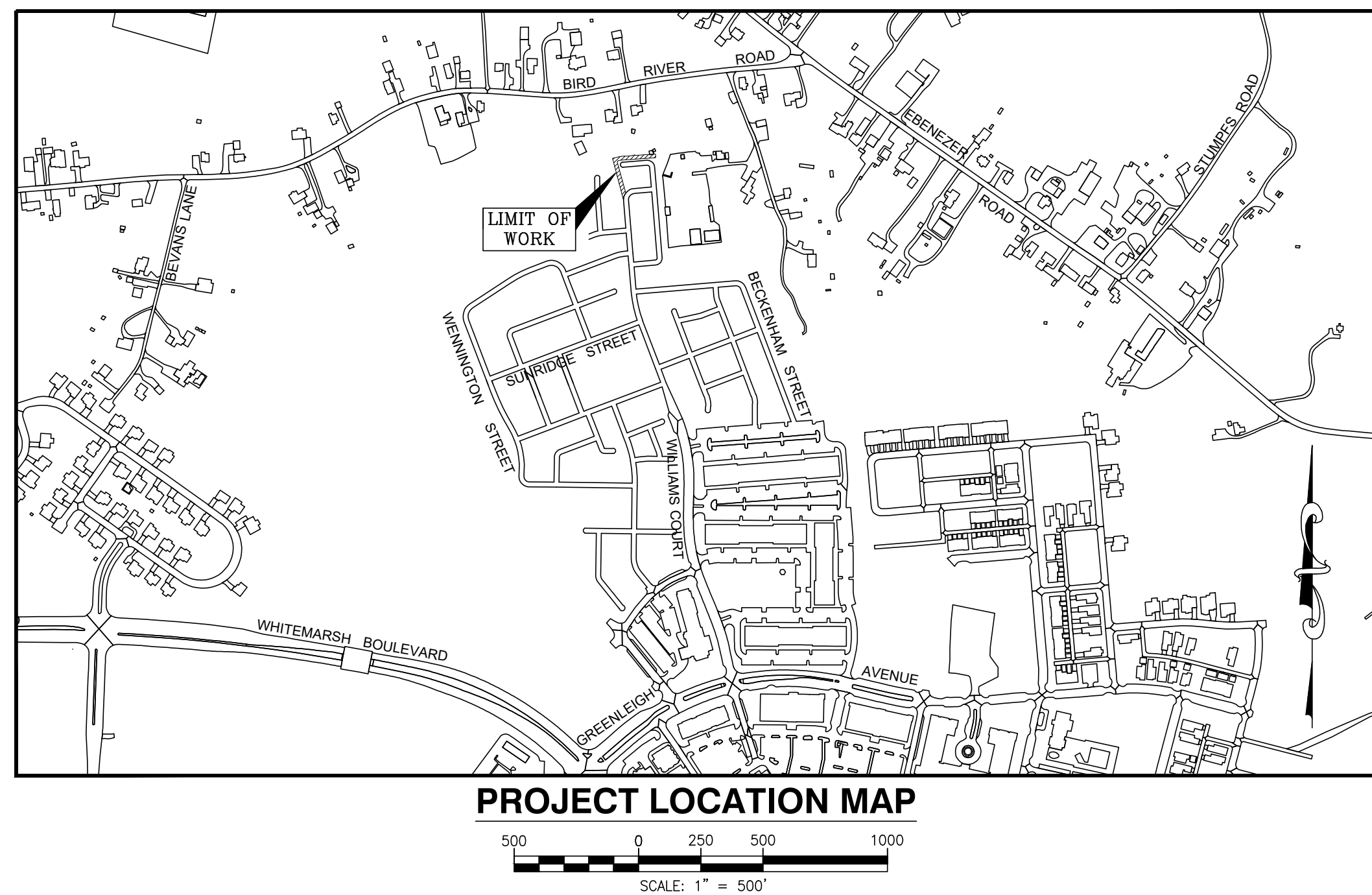
BIRD RIVER ROAD SEWER  
EXTENSION

8" SEWER HEALTH PROJECT (160 LF)

JOB ORDER NO. PROJ-10000824

CONTRACT NO. 25188 SX0

DISTURBED AREA = 4,677 SF (0.107 Acre)



**GENERAL NOTES:cont'd:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL MAINTENANCE OF TRAFFIC (MOT) REQUIREMENTS AND FOR OBTAINING ANY REQUIRED PERMITS NECESSARY TO COMPLETE THEIR WORK.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC MOVEMENT, TRAFFIC CONTROL, AND EMERGENCY VEHICLE ACCESS ALONG ALL ROADS DURING ALL PHASES OF CONSTRUCTION IN CONFORMANCE WITH THE REQUIREMENTS OF MARYLAND STATE HIGHWAY ADMINISTRATION AND BALTIMORE COUNTY.
- BALTIMORE COUNTY ROADWAYS (REFER TO MEMORANDUM IN CONTRACT BOOK FROM BUREAU OF TRAFFIC ENGINEERING AND TRANSPORTATION PLANNING):
  - A MINIMUM SINGLE LANE OF TRAFFIC UTILIZING FLAGGERS, IS REQUIRED TO BE MAINTAINED AT ALL TIMES ON ALL PUBLIC ROADWAYS. IT MAY BE NECESSARY TO TEMPORARILY PROHIBIT STREET PARKING NEAR THE WORK SITES IN ORDER TO PROVIDE FOR AN ADEQUATE WORK AREA AND/OR MAINTAIN TRAFFIC.
  - AT THE END OF EACH WORKDAY, THE CONTRACTOR IS REQUIRED TO COMPLETE THE FOLLOWING:
    - BACKFILL AND/OR PLATE OVER ALL OPEN EXCAVATIONS SO THAT TWO LANES OF TRAFFIC ARE MAINTAINED.
    - REMOVE ALL EQUIPMENT AND MATERIAL FROM THE TRAVELED PORTION OF THE ROADWAY. ALSO, EQUIPMENT AND MATERIALS SHOULD NOT BE STORED IN A SUCH A MANNER AS TO OBSTRUCT SIGHT DISTANCE AT ANY DRIVEWAY OR INTERSECTING ROAD.
    - COVER OR REMOVE ALL SIGNS REFERRING TO A SINGLE-LANE OPERATION. ALSO, IT MAY BE NECESSARY FOR THE CONTRACTOR TO PROVIDE "STEEL PLATES AHEAD" SIGNS ON EACH APPROACH TO THE CONSTRUCTION AREA, IF APPROPRIATE, OR AS DIRECTED BY THE INSPECTOR OF THE PROJECT.
    - ALL EXISTING DRIVEWAY AND SIDEWALK ACCESS MUST BE MAINTAINED AT ALL TIMES.
    - THE CONTRACTOR IS RESPONSIBLE FOR THE FABRICATION, INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES. SAID DEVICES SHALL BE IN ACCORDANCE WITH THE MARYLAND STATE HIGHWAY ADMINISTRATION WORK ZONE TRAFFIC CONTROL STANDARD DETAILS.
    - ONCE THE CONTRACTOR HAS RECEIVED THEIR NOTICE TO PROCEED, THE DIVISION OF TRAFFIC ENGINEERING WILL INVENTORY THE EXISTING PERMANENT TRAFFIC CONTROL DEVICES THROUGHOUT THE CONSTRUCTION AREA. SHOULD IT BE NECESSARY FOR ANY DEVICES TO BE REMOVED BY THE CONTRACTOR OR THEIR SUB-CONTRACTOR DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFE STORAGE OF THESE DEVICES. SHOULD THEY BECOME DAMAGED, DEFACED, LOST, ETC., THE CONTRACTOR WILL BE BILLED FOR REPLACEMENT OF THESE PERMANENT DEVICES. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE RE-INSTALLATION OF ANY PERMANENT DEVICES REMOVED DURING CONSTRUCTION.
- WITH THE APPROVAL OF BALTIMORE COUNTY, SALVAGED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE WORKSITE UPON COMPLETION OF WORK ON THIS CONTRACT. SALVAGED MATERIALS SPECIFIED TO BECOME PROPERTY OF BALTIMORE COUNTY SHALL BE RETURNED TO THE NEAREST COUNTY MAINTENANCE YARD.

| INDEX OF DRAWINGS |           |   |
|-------------------|-----------|---|
| SHT. NO.          | DWG NO.   | DESCRIPTION   |
| 1                 | 2025-3771 | TITLE SHEET   |
| 2                 | 2025-3772 | LEGEND, PROJECT NOTES, AND EROSION & SEDIMENT CONTROL NOTES |
| 3                 | 2025-3773 | PLAN AND PROFILE  |
| 4                 | 2025-3774 | DETAILS   |

**EMERGENCY MANAGEMENT NOTES:**

- DPW INSPECTORS WILL NOTIFY THE FIRE DEPARTMENT ADMINISTRATIVE DUTY OFFICER (ADO) OF ANY PLANNED WATER OUTAGE. (CONTACT: FIRE\_ADO OR CALL AT 410-307-2052)
- DPW INSPECTORS WILL NOTIFY BALTIMORE CITY'S 311 OF ANY PLANNED WATER OUTAGE.
- FOR OUTAGES AFFECTING MORE THAN 200 SERVICES AND/OR THAT ARE MORE THAN EIGHT(8) HOURS IN DURATION CONTRACTORS WILL NOTE IN THEIR PLANS TO NOTIFY THE FIRE DEPARTMENT ADMINISTRATIVE OFFICER (ADO) AND THE OFFICE OF EMERGENCY MANAGEMENT BY E-MAIL AND BY PHONE. (emergencymanagement@baltimorecountymd.gov and 410-887-5986.)

**SANITARY NOTES:**

- CHLORINATED WATER DISCHARGES TO THE 8-INCH SEWERS LOCATED IN THE AREA WILL BE LIMITED TO A RATE NOT TO EXCEED 50 GALLONS PER MINUTE (GPM).
- FEDERAL REGULATION REQUIRES DOCUMENTATION OF ANY DISCHARGE FROM THE SANITARY SEWER COLLECTION SYSTEM AND THE CAUSE OF THE DISCHARGE. TO MEET THESE REQUIREMENTS, THE DATE, RATE AND DURATION OF CHLORINATED WATER DISCHARGE SHALL BE DOCUMENTED BY THE CONTRACTOR AND/OR INSPECTOR. DOCUMENTATION WILL BE SUBMITTED TO THE SEWER DESIGN SECTION FOLLOWING THE COMPLETION OF ALL CHLORINATED WATER DISCHARGES.
- ALL DISCHARGES WILL BE RESTRICTED TO DRY WEATHER AND NOT LESS THAN 24 HOURS AFTER ANY RAIN EVENT.
- ONE(1) BUSINESS DAY PRIOR TO DISCHARGE OF ANY CHLORINATED WATER TO THE SANITARY SEWER, THE CONTRACTOR SHALL NOTIFY THE SEWER DESIGN SECTION AT 410-887-3781 AND THE BUREAU OF UTILITIES AT 410-887-7415 OF THE EXACT LOCATION OF THE PLANNED DISCHARGE. THIS WILL ALLOW THE REMOVAL, AT THEIR DISCRETION, OF ANY FLOW MONITORING EQUIPMENT LOCATED WITHIN THE SANITARY SYSTEM AND GIVE NOTICE IN THE EVENT OF ANY SEWER BACKUPS OR OVERFLOWS CAUSED BY SUCH DISCHARGES.

**BGE UTILITY NOTES:**

- DEPICTIONS OF BALTIMORE GAS AND ELECTRIC COMPANY'S (BGE) ELECTRIC AND/OR GAS UTILITIES LOCATED WITHIN THE PROJECT AREA (BGE UTILITY INFORMATION). LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS-BUILT, AND THE INFORMATION SHALL NOT BE RELIED UPON WITHOUT FIELD VERIFICATION. EXCAVATORS MUST EMPLOY SAFE DIGGING BEST PRACTICES WHEN APPROACHING BGE ELECTRIC AND GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, INCLUDING BUT NOT LIMITED TO, THE "MISS UTILITY LAW."
- NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES, EXPRESS OR IMPLIED ARE MADE BY BGE AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITY INFORMATION, AND IN ACCEPTING THE DOCUMENT, THE RECIPIENT EXPRESSLY ACKNOWLEDGES AND AGREES THAT IT IS NOT RELYING ON THE ACCURACY OF THE SAME.

| CONTRACT COMPLETION BOX  |                   |
|--|-------------------|
| CONTRACTOR:  |                   |
| DATE COMPLETED:  |                   |
| INSPECTOR:   |                   |
| PIPE MATERIAL:   |                   |
| CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):                      |                   |
| <input type="checkbox"/> BONDED COATED PIPE                                  | PIPE DIAMETER(S): |
| <input type="checkbox"/> N/A - ZINC COATED PIPE WITH POLYETHYLENE ENCASEMENT | PIPE DIAMETER(S): |
| <input type="checkbox"/> OTHER (SPECIFY):                                    | PIPE DIAMETER(S): |




















| SEAL  | PROFESSIONAL CERTIFICATION  |   | AS-BUILT / REVISION                    |         | BY       | DATE       | P.W.A. NO.   | KEY SHEET  | POSITION | SHT                                 | DRAWING SCALE                      | DPW AND TRANSPORTATION |
|---|---|---|--|---------|----------|------------|--------------|------------|----------|-------------------------------------|------------------------------------|------------------------|
|   |   | 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. |  |         |          |            |              |            |          |                                     |                                    | PLAN SCALE: 1" = 500'  |
| LICENSE NO. #44077 EXPIRATION DATE 6/9/2027 |   |   |  |         |          |            |              |            |          | PROFILE SCALE:                      | DATE: 03/30/2026                   |                        |
|   | ENGINEER: AMY E. BLEVY, P.E.<br>BUREAU OF ENGINEERING AND CONSTRUCTION<br>14077<br>TOWSON, MARYLAND 21284 | DGN BY: KLL   | BUREAU OF ENGINEERING AND CONSTRUCTION | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER      | WATER    | FIELD ELEVATION                     | BUR. OF ENGINEERING & CONSTRUCTION |                        |
|   | DESIGN SECTION SEWER<br>PHONE /FAX: (410) 887-3781 /4394  | DWN BY: JP  | REVIEWED BY: <i>AEF</i>                |         |          |            |              |            |          | APPROVED BY: <i>Just Hill</i> CHIEF |                                    |                        |
| DATE: 3/25/2026                             |   | CHKD BY: TAB  | DATE REVIEWED:                         |         |          |            |              | 03/25/2026 |          | DATE: 03/30/2026                    |                                    |                        |

| SHEET DESIGNATION |  | CONTRACT NUMBER |
|-------------------|--|-----------------|
| G-1               |  | 25188 SX0       |
| PROJECT NUMBER    |  | PROJ-10000824   |
| SHEET 1 OF 4      |  |                 |
| DRAWING NUMBER    |  | 2025-3771       |
| FILE NO.:         |  |                 |




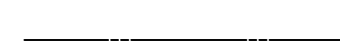
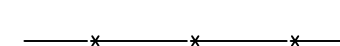

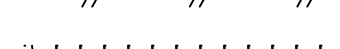


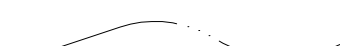

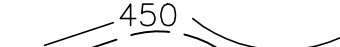
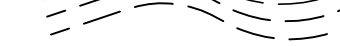

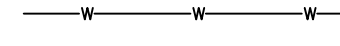

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION - BUREAU OF ENGINEERING AND CONSTRUCTION  
BIRD RIVER ROAD SEWER EXTENSION  
TITLE SHEET  
SANITARY SEWER SYSTEM EXTENSION - HEALTH PROJECT  
SUBDIVISION: GREENLEIGH AT CROSSROADS MIDDLE RIVER MARYLAND ELECTION DIST. NO.:15 C5

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**LEGEND**

-  MAILBOX
-  WATER METER
-  FIRE HYDRANT
-  UTILITY POLE
-  GUY POLE
-  GUY WIRE
-  SANITARY MANHOLE
-  SANITARY CLEANOUT
-  SEPTIC TANK
-  ELECTRIC METER
-  CONDUIT
-  ELECTRIC BOX
-  CABLE TELEVISION BOX
-  SMALL BUSH
-  LARGE BUSH
-  DECIDUOUS TREE
-  CONIFEROUS TREE
-  METAL POST
-  EXISTING RIPRAP
-  STABILIZED CONSTRUCTION ENTRANCE (SCE)

**LINETYPES**

-  PAVED ROAD
-  EASEMENT
-  LIMIT OF DISTURBANCE
-  PROPERTY LINE
-  CHAIN LINK/WIRE FENCE
-  WOOD FENCE
-  WOODS LINE
-  HEDGEROW
-  EXISTING STREAM
-  EXISTING CONTOURS
-  EXISTING WATER
-  EXISTING SEWER
-  EXISTING STORM DRAIN
-  OVERHEAD WIRE
-  PROPOSED SEWER
-  PROPOSED SILT FENCE

**PROJECT SPECIFIC NOTES:**

1. WHEN CONNECTING TO ANY EXISTING MANHOLE, THE MANHOLE MUST BE CORE DRILLED AND "A-LOCK" CONNECTOR, OR APPROVED EQUAL, MUST BE USED.
2. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT POSSIBLE. CONTRACTOR TO REMOVE STUMPS AND ROOTS OF ANY TREE OR SHRUB THAT NEEDS REMOVAL.
3. IN THE EVENT SEWAGE IS DISCHARGED ONTO THE GROUND OR INTO ANY STREAMS IN CONNECTION WITH THIS CONTRACT, ANY PENALTIES INCURRED BY THE COUNTY, ALONG WITH ANY AND ALL OTHER DAMAGES, COSTS, AND EXPENSES OF THE COUNTY, SHALL BE THE LIABILITY AND OBLIGATION OF THE CONTRACTOR UNDER THIS CONTRACT. ANY SEWER SPILLS SHALL BE REPORTED WITHIN 24 HOURS TO BALTIMORE COUNTY BUREAU OF UTILITIES AT 410-887-7415 AND TO MARYLAND DEPARTMENT OF THE ENVIRONMENT AT 410-537-3510.

**EROSION & SEDIMENT CONTROL NOTES:**

1. REFER TO "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
2. WITH THE APPROVAL OF THE CONSTRUCTION INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO ENSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE CONSTRUCTION INSPECTOR.
3. AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITIONS.
4. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: A) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND B) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
5. EXCESS CUT OR FILL SHALL GO TO, OR COME FROM, RESPECTIVELY, A SITE WITH AN OPEN GRADING PERMIT AND APPROVED SEDIMENT CONTROL PLAN.
6. THE FOLLOWING ITEM MAY BE USED AS APPLICABLE: REFER TO "MARYLAND'S GUIDELINES TO WATERWAY CONSTRUCTION" BY THE WATER MANAGEMENT ADMINISTRATION OF THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, REVISED NOVEMBER 2000, FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN FOR WATERWAY CONSTRUCTION.
7. PUMPING SEDIMENT-LADEN WATER INTO WATERS OF THE STATE IS STRICTLY PROHIBITED. ANY PORTABLE DEWATERING DEVICE MUST BE LOCATED WITHIN THE LIMIT OF DISTURBANCE.
8. ADDITIONAL SILT FENCE MAY BE REQUIRED BY THE CONSTRUCTION INSPECTOR AS NECESSARY. IT IS THE INTENT OF THE PLANS THAT SILT FENCE BE USED DOWNGRADE OF ALL DISTURBED AREAS WHICH CANNOT BE STABILIZED BY THE END OF EACH WORKING DAY.
9. ALL STORM DRAINS, DITCHES, ETC. SHALL REMAIN FUNCTIONAL DURING CONSTRUCTION AND SHALL BE PROTECTED BY THE CONTRACTOR FROM SEDIMENT RUNOFF. EXCAVATED MATERIAL SHALL NOT BE PLACED IN, OR OBSTRUCT DRAINAGE DITCHES. DITCHES AND OTHER STORM DRAIN FACILITIES SHALL BE RETURNED TO ORIGINAL CONDITION FOLLOWING CONSTRUCTION. DURING TRENCH DEWATERING OPERATIONS, NO WATER SHALL BE DISCHARGED DIRECTLY ACROSS THE GROUND OR INTO AN EXISTING BODY OF WATER OR STREAM WITHOUT FIRST FLOWING THROUGH AN APPROVED DEWATERING BASIN OR PORTABLE SEDIMENT TANK.
10. ALL GRADES AND APPURTENANCES SHALL BE RETURNED TO ORIGINAL CONDITION AFTER CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MINIMIZING THE TRACKING OF DIRT, MUD AND STONE ONTO ROADS, PRIVATE PROPERTY AND PUBLIC RIGHTS-OF-WAY. CONSTRUCTION ENTRANCES TO EASEMENTS MAY BE INSTALLED IF APPROVED BY THE COUNTY, AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE COUNTY. THE CONTRACTOR SHALL CLEAN UP ALL DIRT MUD, AND STONE TRACKED ONTO ROADS, PRIVATE PROPERTY AND PUBLIC RIGHTS-OF-WAY IMMEDIATELY, BY VACUUMING, SCRAPING AND/OR SWEEPING. THE CONTRACTOR SHALL SCHEDULE AND MEET WITH THE CONSTRUCTION INSPECTOR PRIOR TO CONSTRUCTION OF CONSTRUCTION ENTRANCES.
12. STAGING AREAS - CONTRACTOR IS PROHIBITED FROM DISTURBING ANY WETLAND AREAS OR BUFFER ZONES, UNLESS OTHERWISE NOTED ON CONTRACT DRAWINGS OR APPROVED BY THE COUNTY. CONTRACTOR SHALL MINIMIZE DISRUPTION TO TREE CANOPY. CLEARING AND GRUBBING ACTIVITIES ARE TO BE COORDINATED WITH COUNTY PRIOR TO INITIATING CONSTRUCTION ACTIVITIES.
13. EXISTING TOPSOIL AND SUBSOIL SHALL BE SEQUESTERED, SALVAGED AND REUSED WHEN SUITABLE. CONTRACTOR SHALL SALVAGE AND PLACE TOPSOIL IN ACCORDANCE WITH BALTIMORE COUNTY STANDARD SPECIFICATIONS, CATEGORY 700, LANDSCAPING.
14. ALL WORK ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND THE CONTRACT DOCUMENTS.
15. THE LIMITS OF DISTURBANCE SHOWN DEPICT AREAS WHERE OFF-ROAD VEHICULAR ACCESS IS NECESSARY. VEHICULAR ACCESS ON UNPAVED SURFACES SHALL BE LIMITED TO PREVENT DISTURBANCE OF EXISTING GRADE.

**DISTURBED AREAS:**

1. EXCAVATED TRENCH MATERIAL FOR ANY SEWER INSTALLATION SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH. TRENCHES FOR ANY SEWER INSTALLATIONS SHALL BE BACKFILLED, COMPACTED AND STABILIZED AT THE END OF EACH DAY.
2. ALL OTHER DISTURBED AREAS ARE ALSO TO BE STABILIZED AT THE END OF EACH WORKING DAY. ANY AREAS THAT CANNOT BE STABILIZED AT THE END OF THE WORK DAY ARE TO HAVE SILT FENCE PLACED DOWNGRADE OF THEM SUCH THAT ALL RUNOFF FROM THE DISTURBED AREA WILL BE FILTERED.

**UTILITY CONSTRUCTION NOTES:**

1. ONLY THAT SECTION OF TRENCH SHALL BE OPENED WHICH CAN BE BACKFILLED AND STABILIZED IN ONE (1) WORKING DAY. IF TRENCH MUST REMAIN OPEN LONGER THAN 1 DAY, SILT FENCE (SF) SHALL BE PLACED DOWN SLOPE OF THE TRENCH.
2. WHEN EXCAVATING FOR UTILITIES, ALL SPOIL MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
3. ANY SEDIMENT CONTROL MEASURES DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.

**SUGGESTED SEQUENCE OF CONSTRUCTION:**

1. INSTALL MAINTENANCE OF TRAFFIC SIGNAGE AND DEVICES AS REQUIRED.
2. CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL DEVICES ONLY.
3. INSTALL SILT FENCE ALONG PERIMETER OF LOD AS SHOWN ON PLANS. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
4. NOTIFY BALTIMORE COUNTY CONSTRUCTION INSPECTOR UPON COMPLETION OF SEDIMENT CONTROL DEVICE INSTALLATION.
5. WITH THE APPROVAL OF THE BALTIMORE COUNTY CONSTRUCTION INSPECTOR, PROCEED WITH CONSTRUCTION OF PROPOSED MANHOLES, SEWER PIPES, AND CLEANOUTS.
6. UPON COMPLETION OF WORK ALL DISTURBED AREAS SHALL BE PERMANENTLY SEEDED AND STABILIZED. STABILIZATION SHALL BE ACHIEVED TO THE SATISFACTION OF THE CONSTRUCTION INSPECTOR. ALL EXISTING SITE FEATURES AND LANDSCAPING DISTURBED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED. SITE TO BE RETURNED TO EXISTING CONDITIONS.
7. UPON COMPLETION AND STABILIZATION OF THE SITE WITH ESTABLISHED VEGETATION AND WITH THE PERMISSION OF THE CONSTRUCTION INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS.

**DAILY STABILIZATION NOTES:**

1. CONTRACTOR SHALL ONLY DISTURB THAT AREA WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY. STABILIZATION SHALL BE AS FOLLOWS:
  - A. FOR AREAS TO BE PAVED, THE APPLICATION OF STONE BASE
  - B. FOR AREAS TO BE VEGETATIVELY STABILIZED:
    - PERMANENT SEED AND SOIL STABILIZATION MATING OR SOD FOR ALL STEEP SLOPES, CHANNELS OR SWALES
    - PERMANENT SEED AND MULCH FOR ALL OTHER AREAS
2. ANY AREAS WHICH CANNOT BE STABILIZED BY THE END OF EACH WORKING DAY MUST HAVE SILT FENCE INSTALLED ON THE DOWNSLOPE SLIDE.

**MAINTENANCE OF SEDIMENT CONTROL DEVICES:**

CONTRACTOR SHALL INSPECT AND MAINTAIN ALL SEDIMENT CONTROL MEASURES AND DEVICES AFTER EVERY STORM EVENT. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO THE REMOVAL OF ALL ACCUMULATED SEDIMENT. GEOTEXTILE FABRIC SHALL BE REPLACED AS NEEDED TO ENSURE PROPER FUNCTION.

**TREE PROTECTION NOTES:**

**PRE-CONSTRUCTION PHASE**

PRIOR TO THE START OF ANY CONSTRUCTION, THE CONTRACTOR SHALL LOCATE THE LIMITS OF DISTURBANCE (L.O.D.) IN THE FIELD PRIOR TO ANY CONSTRUCTION ACTIVITIES.

**CONSTRUCTION PHASE**

- A. EXCAVATED AND BACKFILL MATERIAL SHALL NOT BE PLACED OR CAST WITHIN THE CRITICAL ROOT ZONES OF TREES TO BE PROTECTED.
- B. CONSTRUCTION EQUIPMENT SHALL NOT BE DRIVEN INTO OR THROUGH PROTECTED TREES, NOR SHALL SWINGING CRANES OR BACKHOES BE ALLOWED IN THEIR CANOPIES.
- C. THERE SHALL BE NO STAKING, OR STORING OF SUPPLIES WITHIN THE CRITICAL ROOT ZONE OF TREES TO BE PROTECTED.
- D. TREES TO BE REMOVED SHALL BE TAKEN OUT WITHOUT DAMAGING PROTECTED TREES.
- E. GRADING SHALL TAKE PLACE OUTSIDE OF THE CRITICAL ROOT ZONE OF THE TREES TO BE PROTECTED.
- F. EQUIPMENT SHALL BE KEPT INSIDE THE BLAZE ORANGE FENCING AND WITHIN THE WORKING LIMITS.
- G. IN THE EVENT OF DROUGHT, THE PROTECTED TREES SHALL BE MONITORED FOR SIGNS OF STRESS AND WATERED WHEN NEEDED.

**POST CONSTRUCTION ACTIVITIES**

IN THE EVENT OF TREE DAMAGE DUE TO CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL RETAIN AN ARBORIST TO DEVELOP A TREE REPAIR PLAN. THE TREE REPAIR PLAN MUST BE APPROVED BY BALTIMORE COUNTY. ALL COSTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.


| PROPOSED MANHOLES |  |               |         |            |              |               |
|-------------------|--|---------------|---------|------------|--------------|---------------|
| MANHOLE NAME      | MANHOLE TYPE   | DETAIL NUMBER | STATION | NORTHING   | EASTING      | RIM ELEVATION |
| 75153             | STANDARD SANITARY SEWER (CONCENTRIC CYLINDRICAL STRUCTURE) | S-1           | 0+20.0' | 619,638.30 | 1,479,487.87 | 46.38'        |
| 75154             | STANDARD SANITARY SEWER (CONCENTRIC CYLINDRICAL STRUCTURE) | S-1           | 1+39.0' | 619,648.15 | 1,479,626.61 | 50.73'        |

| *SEWER HOUSE CONNECTIONS |  |                |                   |                  |                      |                            |                                  |
|--------------------------|--|----------------|-------------------|------------------|----------------------|----------------------------|----------------------------------|
| LOT NO.                  | STATION FROM DOWNSTREAM MANHOLE (MH 75153) | INVERT AT MAIN | LENGTH OF SERVICE | SLOPE OF SERVICE | INV. @ PROPERTY LINE | FIN. GRADE @ PROPERTY LINE | DEPTH OF SERVICE @ PROPERTY LINE |
| 10613                    | 0+13.4'                                    | 38.87'         | 8.34'             | 2%               | 39.03'               | 44.87'                     | 5.84'                            |
| 10615                    | 0+56.8'                                    | 39.73'         | 8.91'             | 2%               | 39.91'               | 46.59'                     | 6.68'                            |

\*CONTRACTOR TO INSTALL 6" PVC HOUSE CONNECTION LATERALS FROM MAIN TO 4" PVC RISER AT PROPERTY LINE AS PER STD. DETAIL S-12A.

| CONTRACT COMPLETION BOX  |                         |
|--|-------------------------|
| CONTRACTOR:  | _____                   |
| DATE COMPLETED:  | _____                   |
| INSPECTOR:   | _____                   |
| PIPE MATERIAL:   | _____                   |
| CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):                      |                         |
| <input type="checkbox"/> BONDED COATED PIPE                                  | PIPE DIAMETER(S): _____ |
| <input type="checkbox"/> N/A - ZINC COATED PIPE WITH POLYETHYLENE ENCASEMENT | PIPE DIAMETER(S): _____ |
| <input type="checkbox"/> OTHER (SPECIFY): _____                              | PIPE DIAMETER(S): _____ |

| SHEET DESIGNATION | CONTRACT NUMBER |
|-------------------|-----------------|
| G-2               | 25188 SX0       |
| BALTIMORE COUNTY  |                 |
| PROJECT NUMBER    |                 |
| PROJ-1000824      |                 |
| SHEET 2 OF 4      |                 |
| DRAWING NUMBER    |                 |
| 2025-3772         |                 |
| FILE NO.:         |                 |

| SEAL   | PROFESSIONAL CERTIFICATION  | AS-BUILT / REVISION   | BY | DATE | P.W.A. NO. | KEY SHEET | POSITION SH | DRAWING SCALE                             | DPW AND TRANSPORTATION   |
|--|---|---|----|------|------------|-----------|-------------|---|--|
|  | 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.<br>LICENSE NO. #44077      EXPIRATION DATE 6/9/2027 |   |    |      |            |           |             | PLAN SCALE: _____<br>PROFILE SCALE: _____ | APPROVED BY: <i>Lisa K. Cichelski</i> for DIRECTOR<br>DATE: 03/30/2026 |
|  | ENGINEER: AMY E. BLEY, P.E.<br>BUREAU OF ENGINEERING AND CONSTRUCTION<br>111 WEST CHESAPEAKE AVENUE, RM. 200<br>TOWSON, MARYLAND 21284  |   |    |      |            |           |             |   | APPROVED BY: <i>Justin Hill</i> CHIEF<br>DATE: 03/30/2026              |
|  | DGN BY: KLL<br>DWN BY: JP<br>CHKD BY: TAB   | AS-BUILTS CHECKED: _____<br>BUREAU OF ENGINEERING AND CONSTRUCTION<br>TRAFFIC      HIGHWAYS      STRUCTURES      STORM DRAINS      SEWER      WATER      FIELD ENGINEER |    |      |            |           |             |   | BUR. OF ENGINEERING & CONSTRUCTION                                     |
|  | DESIGN SECTION SEWER<br>PHONE / FAX: (410) 887-3781 / 4394  | SEE DRAWING 2025-3771 FOR ORIGINAL SIGNATURES   |    |      |            |           |             |   |  |

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION - BUREAU OF ENGINEERING AND CONSTRUCTION

BIRD RIVER ROAD SEWER EXTENSION

**LEGEND, PROJECT NOTES, AND EROSION & SEDIMENT CONTROL NOTES**

SANITARY SEWER SYSTEM EXTENSION - HEALTH PROJECT

SUBDIVISION: GREENLEIGH AT CROSSROADS      MIDDLE RIVER MARYLAND      ELECTION DIST. NO.:15 C5

DWG. FILENAME: \\BCCU-AD-BCCOV\US\BCCU\DWG\CAD\GROUPS\WTR-SWR\PROJECTS\PROJ-1000824 BIRD RIVER RD\SHEET\0824-C-SHEET-PLAN -SFT.DWG

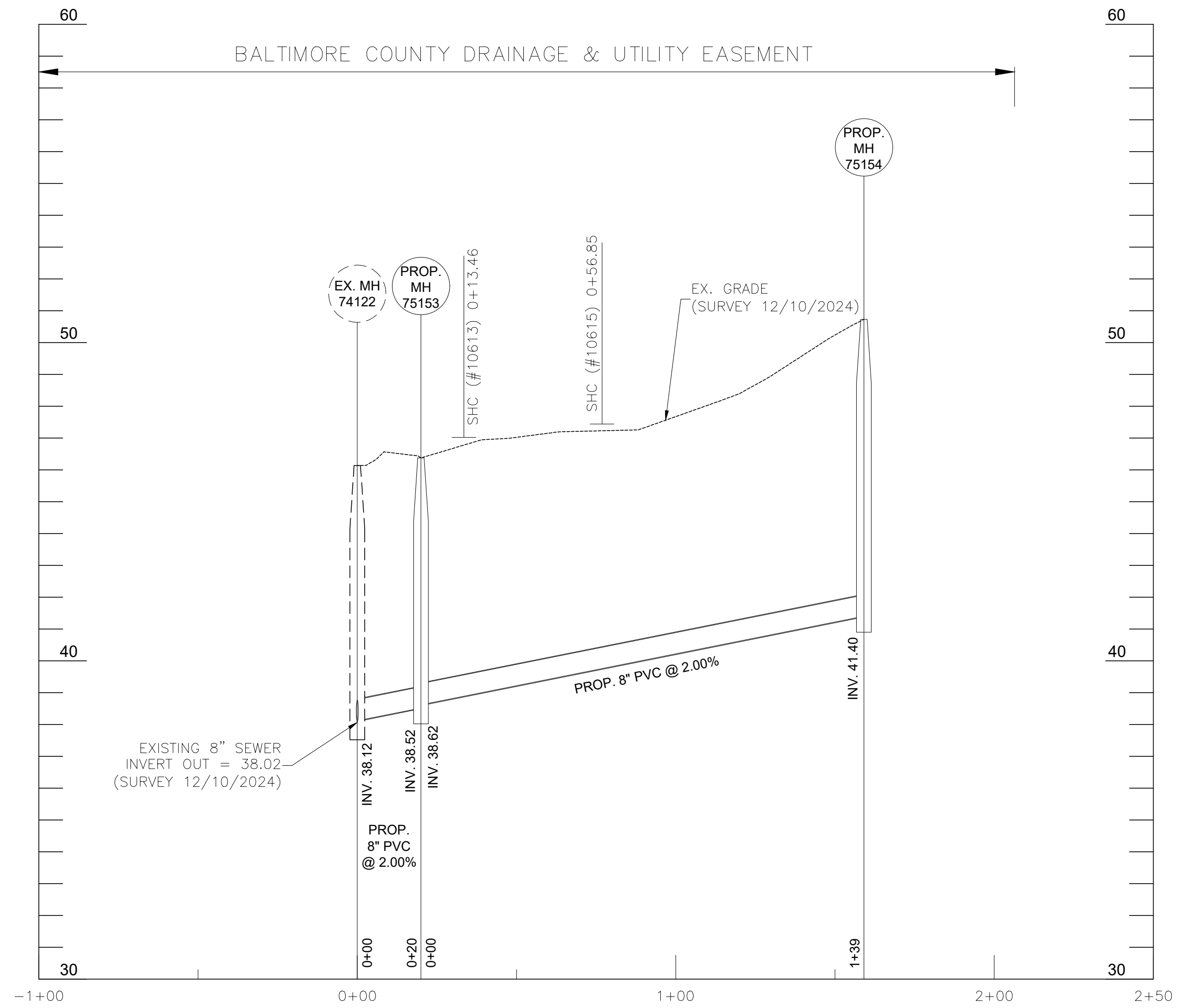
**NOTES:**

- EXISTING UTILITIES HAVE BEEN LOCATED FROM THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY THE EXISTENCE, SIZE, TYPE, DEPTH, AND LOCATION OF ALL UTILITIES TO HIS OWN SATISFACTION PRIOR TO STARTING ANY WORK. ANY DISCREPANCIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BEGINNING WORK.
- NEW SANITARY SEWER MANHOLES SHALL BE PER BALTIMORE COUNTY SANITARY SEWER DETAILS, PLATE S-4.



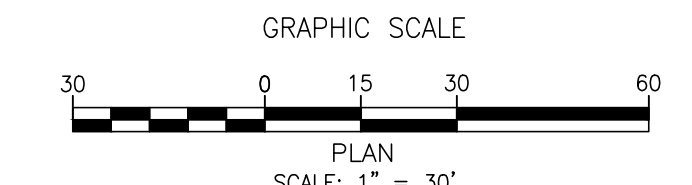
**PLAN**

Scale: 1" = 30'



**PROFILE**

Scale: H: 1" = 30'  
V: 1" = 3'



| CONTRACT COMPLETION BOX                                 |                   |
|---|-------------------|
| CONTRACTOR:   |                   |
| DATE COMPLETED:   |                   |
| INSPECTOR:  |                   |
| PIPE MATERIAL:  |                   |
| CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY): |                   |
| <input type="checkbox"/> BONDED COATED PIPE             | PIPE DIAMETER(S): |
| <input type="checkbox"/> N/A - ZINC COATED PIPE         | PIPE DIAMETER(S): |
| <input type="checkbox"/> WITH POLYETHYLENE ENCASEMENT   | PIPE DIAMETER(S): |
| <input type="checkbox"/> OTHER (SPECIFY):               | PIPE DIAMETER(S): |

|                 |   |                |   |         |          |            |              |              |                      |   |                                       |
|-----------------|---|----------------|---|---------|----------|------------|--------------|--------------|----------------------|---|---------------------------------------|
|                 | PROFESSIONAL CERTIFICATION  |                | AS-BUILT / REVISION                           | BY      | DATE     | P.W.A. NO. | KEY SHEET    | POSITION SH# | DRAWING SCALE        | DPW AND TRANSPORTATION                            |                                       |
|                 | 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. #44077 EXPIRATION DATE 6/9/2027 |                |   |         |          | R.O.W. NO. |              |              | PLAN SCALE: 1" = 30' | APPROVED BY: <i>Lisa K. Cichello</i> for DIRECTOR |                                       |
|                 | ENGINEER: AMY E. RILEY, P.E.<br>BUREAU OF ENGINEERING AND CONSTRUCTION<br>111 WEST CHESAPEAKE AVENUE, RM. 200<br>TOWSON, MARYLAND 21284.  | DGN BY: KLL    | BUREAU OF ENGINEERING AND CONSTRUCTION        | TRAFFIC | HIGHWAYS | STRUCTURES | STORM DRAINS | SEWER        | WATER                | FIELD ENGINEER                                    | BUR. OF ENGINEERING & CONSTRUCTION    |
|                 | DESIGN SECTION SEWER<br>PHONE / FAX: (410) 887-3781 / 4394  | DWN BY: JP     | REVIEWED BY:                                  |         |          |            |              |              |                      |   | APPROVED BY: <i>Justin Hill</i> CHIEF |
| DATE: 3/25/2026 | CHKD BY: TAB  | DATE REVIEWED: | SEE DRAWING 2025-3771 FOR ORIGINAL SIGNATURES |         |          |            |              |              |                      | DATE: 03/30/2026                                  |                                       |

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION – BUREAU OF ENGINEERING AND CONSTRUCTION

**BIRD RIVER ROAD SEWER EXTENSION**

**PLAN AND PROFILE**

SANITARY SEWER SYSTEM EXTENSION – HEALTH PROJECT

SUBDIVISION: GREENLEIGH AT CROSSROADS      MIDDLE RIVER MARYLAND      ELECTION DIST. NO.15 C5

|                   |                 |
|-------------------|-----------------|
| SHEET DESIGNATION | CONTRACT NUMBER |
| C-1               | 25188 SX0       |
| PROJECT NUMBER    | PROJ-1000824    |
| SHEET 3 OF 4      | DRAWING NUMBER  |
| 2025-3773         | FILE NO.:       |

DWG. FILENAME: \\BCC\AD\BCCOV\US\BCC\DPW\CAD\GROUPS\WTR-SWR\PROJECTS\PROJ-1000824 BIRD RIVER RD\SHEET\0824-C-SHEET-PLAN SET.DWG

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**NOTES:**

- WALLS AND BOTTOM MUST BE BRICK OR PRECAST CONCRETE (SEE PLATES S-4, S-5). INVERT AND BENCH MUST BE BRICK LAD ON EDGE.
- WHERE COVER OVER PIPE IS LESS THAN 5', USE SHALLOW MANHOLE (SEE PLATE S-2).
- THICKNESS OF WALLS TO BE INCREASED TO 12", 12" OF BELOW UNDERSE OF FRAME.
- IN LOW, WET GROUND, WALLS MUST BE 12" THICK THROUGHOUT AS DIRECTED.
- DROP ACROSS MANHOLE ALONG FLOW LINE SHALL BE 0.1 FOOT MINIMUM.
- FOR PIPE 42" AND LARGER IN HORIZONTAL DIAMETER, USE STORM DRAIN TYPE C MANHOLE (SEE PLATE D-304). WHERE CENTER LINE OF HORIZONTAL CURVATURE EXCEEDS 4', USE BEND STRUCTURE (SEE PLATE D-402).
- SEE PLATE S-4 FOR PRECAST ALTERNATIVE MANHOLE.
- OFFSET MANHOLES - PROVIDE DETAIL ON PLANS.
- FOR TERMINAL MANHOLE, CURB BENCH PROVIDE BRICK INVERT DROOP TO OUTLET MUST NOT EXCEED 0.3 FOOT.

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
SANITARY SEWER DETAILS  
SANITARY MANHOLE  
FOR PIPES 6" THRU 36"  
HORIZONTAL DIAMETER

ISSUED: SEPTEMBER 2003  
REVISION: PLATE  
S-1

**PRECAST MANHOLE A-2**  
48" STANDARD

**PRECAST MANHOLE A-3**  
48" SHALLOW

| PIPE SIZE       | BASE UNIT LENGTH - MIN. | MIN. MAX. (H), (A)-2 | MIN. MAX. (H), (A)-3 |
|-----------------|-------------------------|----------------------|----------------------|
| 8" TO 10" DIA.  | 2'                      | 5'                   | 6'                   |
| 12" TO 15" DIA. | 3'                      | 6'                   | 7'                   |
| 18" TO 24" DIA. | 4'                      | 7'                   | 8'                   |

**NOTES:**

- UNLESS OTHERWISE NOTED, MANHOLE TAPERS, RISERS AND BASES SHALL BE FURNISHED IN STRICT ACCORDANCE WITH A.S.T.M. DESIGNATION C-478 (LATEST) FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
- ALL CONCRETE SHALL BE 4,500 PSI COMPRESSIVE STRENGTH.
- REINFORCING FOR TYPE A-3 THE SAME AS FOR TYPE A-2.
- SEE STANDARD DETAIL PLATE G-4 FOR MANHOLE STEP SPECIFICATIONS, SPACING AND PLACEMENT. STEP LOCATION SHOWN IS FOR ILLUSTRATION ONLY. LOCATE STEPS 90° FROM MAIN FLOW CHANNEL WITHIN MANHOLE.
- SEE STANDARD DETAIL PLATE G-3 FOR SPECIFICATIONS AND PLACEMENT OF PRECAST CONCRETE GRADE RINGS.
- USE LARGEST APPLICABLE RISER UNIT LENGTH. USE A MAXIMUM OF ONE-1 LENGTH RISER UNIT PER STRUCTURE. TO BE PLACED IMMEDIATELY BELOW ECCENTRIC CONE SECTION.
- MINIMUM CIRCUMFERENTIAL REINFORCEMENT PER A.S.T.M. TABLE B SHALL BE 1# FOR PIPE DIAMETERS GREATER THAN 18".
- USE A MINIMUM OF 1 MANHOLE STEP IN BASE UNIT.
- PRECAST MANHOLE RISER JOINTS: THE MANUFACTURER SHALL FORM MALE AND FEMALE ENDS OF JOINTS USING THEIR OWN DESIGN. THE JOINTS SHALL BE SEALED BY THE CONTRACTOR & MADE WATER-TIGHT USING THE MANUFACTURER'S RECOMMENDED ASTM OR AASHTO-APPROVED SEALANT.
- SEE STANDARD DETAIL PLATE G-3 FOR SPECIFICATIONS AND PLACEMENT OF PRECAST CONCRETE GRADE RINGS.
- USE LARGEST APPLICABLE RISER UNIT LENGTH. USE A MAXIMUM OF ONE-1 LENGTH RISER UNIT PER STRUCTURE. TO BE PLACED IMMEDIATELY BELOW ECCENTRIC CONE SECTION.

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
SANITARY SEWER DETAILS  
48" PRECAST SANITARY MANHOLE  
FOR PIPES 8" THRU 24"  
HORIZONTAL DIAMETER

ISSUED: SEPTEMBER 2003  
REVISION: PLATE  
S-4

**BEDDING DETAIL**  
FOR GRAVITY PIPE 8" & LARGER

**SECTION B-B**

**SECTION A-A**

**NOTE:**

MATERIAL USED SHALL CONFORM TO ASTM SPECIFICATION A-48, CLASS 308 CAST IRON, PER SECTION 909.04, SPECIFICATIONS.

CASTING MUST BE MACHINED ON BEARING SURFACES.

USE OF 30" FRAME & COVER SHALL BE LIMITED TO AREAS ACCESSIBLE BY VEHICLE. USE IN OTHER AREAS WILL BE APPROVED ON A CASE-BY-CASE BASIS BY THE DEPARTMENT OF PUBLIC WORKS. 30" FRAMES AND COVERS SHALL BE CERTIFIED AS MEETING H-25 DESIGN LOAD STANDARDS.

WHERE FRAME & COVER IS USED OUTSIDE OF BALTIMORE COUNTY, 6" W OR EASEMENTS, SUBSTITUTE THE WORDS "PRIVATE SANITARY SEWER" FOR "BALTIMORE COUNTY SANITARY SEWER" ON THE COVER.

|                         | 24" DIAMETER | 30" DIAMETER |
|-------------------------|--------------|--------------|
| NOMINAL WEIGHT OF FRAME | 250 Lbs.     | 310 Lbs.     |
| NOMINAL WEIGHT OF COVER | 150 Lbs.     | 215 Lbs.     |
| NOMINAL TOTAL WEIGHT    | 400 Lbs.     | 525 Lbs.     |

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
SANITARY SEWER DETAILS  
BEDDING DETAIL  
FOR GRAVITY PIPE 8" & LARGER

ISSUED: SEPTEMBER 2003  
REVISION: PLATE  
S-7

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**NOTE:**

THE PROPOSED 6" HOUSE CONNECTION SHALL CONSIST OF PVC PIPE OR DUCTILE IRON PIPE SCHEDULE 80, MATCH TYPE OF H.C. PIPE TO PIPE USED IN SEWER, WHERE POSSIBLE.

CONCRETE TO BE MIX #1.

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
SANITARY SEWER DETAILS  
SANITARY SEWER HOUSE CONNECTION  
AT PROPERTY LINE

ISSUED: SEPTEMBER 2003  
REVISION: PLATE  
S-12A

**IMPROVED PROPERTY**

**UNIMPROVED PROPERTY**

**TYPICAL MANHOLE WHEN NOT IN ROADWAY**

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
GENERAL DETAILS  
TYPICAL MANHOLE WHEN NOT IN ROADWAY

ISSUED: SEPTEMBER 2003  
REVISION: PLATE  
G-13

**DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE**

**CONSTRUCTION SPECIFICATIONS:**

- PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (+30 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
- PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
- PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
- MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

**DETAIL B-4-6-B TEMPORARY SOIL STABILIZATION MATTING SLOPE APPLICATION**

**CONSTRUCTION SPECIFICATIONS:**

- USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.
- USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MAN-MADE FIBERS (MOSTLY ORGANIC). MAT MUST HAVE UNIFORM THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT AND BE SHOULDER RESISTANT. CHEMICALS USED IN THE MAT MUST 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 2+2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2" INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.
- SECURE MATTING USING STEEL STAPLES, WOOD STAKES, OR BIODEGRADABLE EQUIVALENT. 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 1.5 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 A MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPED AT THE BOTTOM.
- 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 & SEDIMENT CONTROL PLAN.
- UNROLL MATTING DOWNSLOPE. LAY MAT SMOOTHLY AND FIRMLY UPON THE SEEDBED SURFACE. AVOID STRETCHING THE MATTING.
- OVERLAP OR ABUT ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSLOPE MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.
- KEY IN THE UPSLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL 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.
- 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

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

**DETAIL E-1 SILT FENCE**

**CONSTRUCTION SPECIFICATIONS:**

- USE WOOD POSTS 1 1/2 X 1 1/2 X 1/2 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
- USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
- USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
- PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
- WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
- EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

**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.

ENGINEER: AMY E. BLEY, P.E.  
BUREAU OF ENGINEERING AND CONSTRUCTION  
111 WEST CHESAPEAKE AVENUE, RM. 200  
TOWSON, MARYLAND 21284.

DESIGN SECTION SEWER  
PHONE / FAX: (410) 887-3781 / 4394

DATE: 3/25/2026

AS-BUILT / REVISION BY DATE P.W.A. NO. KEY SHEET POSITION SHI DRAWING SCALE DPW AND TRANSPORTATION

APPROVED BY: *Lois K. Eubanks* for DIRECTOR DATE: 03/30/2026

APPROVED BY: *Just Hill* CHIEF DATE: 03/30/2026

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION - BUREAU OF ENGINEERING AND CONSTRUCTION

BIRD RIVER ROAD SEWER EXTENSION

DETAILS

SANITARY SEWER SYSTEM EXTENSION - HEALTH PROJECT

SUBDIVISION: GREENLEIGH AT CROSSROADS MIDDLE RIVER MARYLAND ELECTION DIST. NO. 15 C5

CONTRACT COMPLETION BOX

CONTRACTOR: \_\_\_\_\_  
DATE COMPLETED: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_  
PIPE MATERIAL: \_\_\_\_\_  
CATHODIC PROTECTION SYSTEM METHOD (POTABLE WATER ONLY):  
 BONDED COATED PIPE PIPE DIAMETER(S): \_\_\_\_\_  
 N/A - ZINC COATED PIPE WITH POLYETHYLENE ENCASEMENT PIPE DIAMETER(S): \_\_\_\_\_  
 OTHER (SPECIFY): \_\_\_\_\_ PIPE DIAMETER(S): \_\_\_\_\_

SHEET DESIGNATION: D-1 CONTRACT NUMBER: 25188 SXO

PROJECT NUMBER: PROJ-1000824

SHEET 4 OF 4

DRAWING NUMBER: 2025-3774

FILE NO.: \_\_\_\_\_