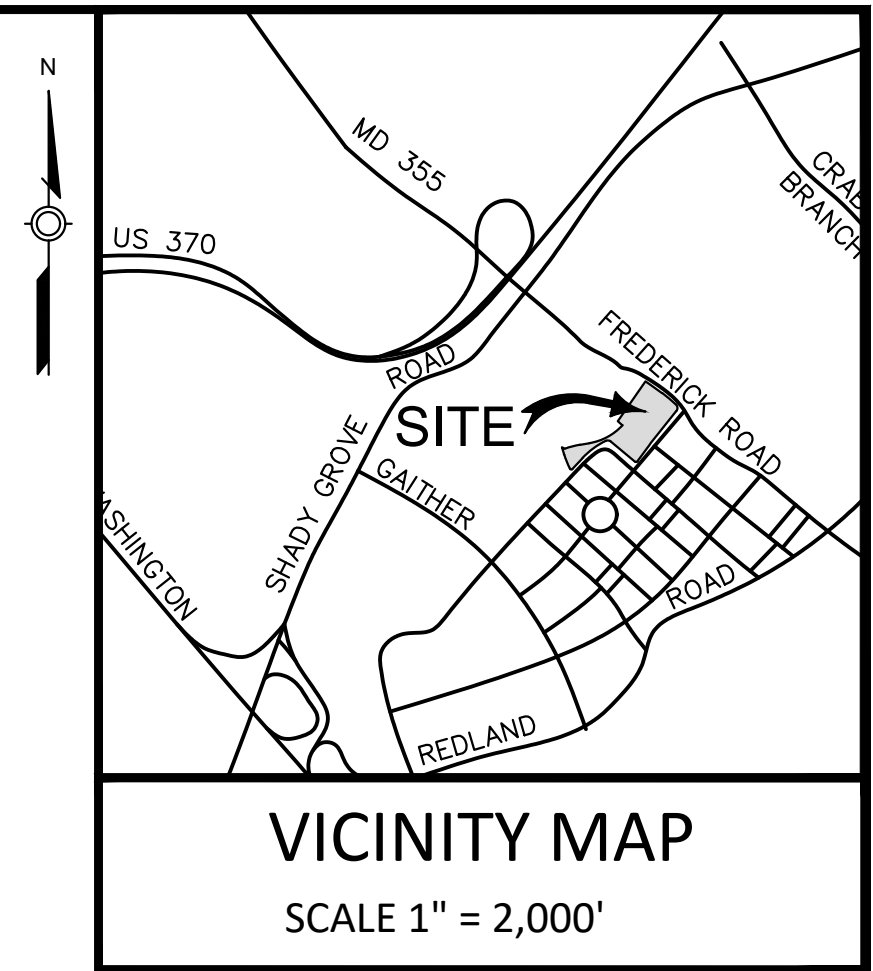


# KING FARM FARMSTEAD

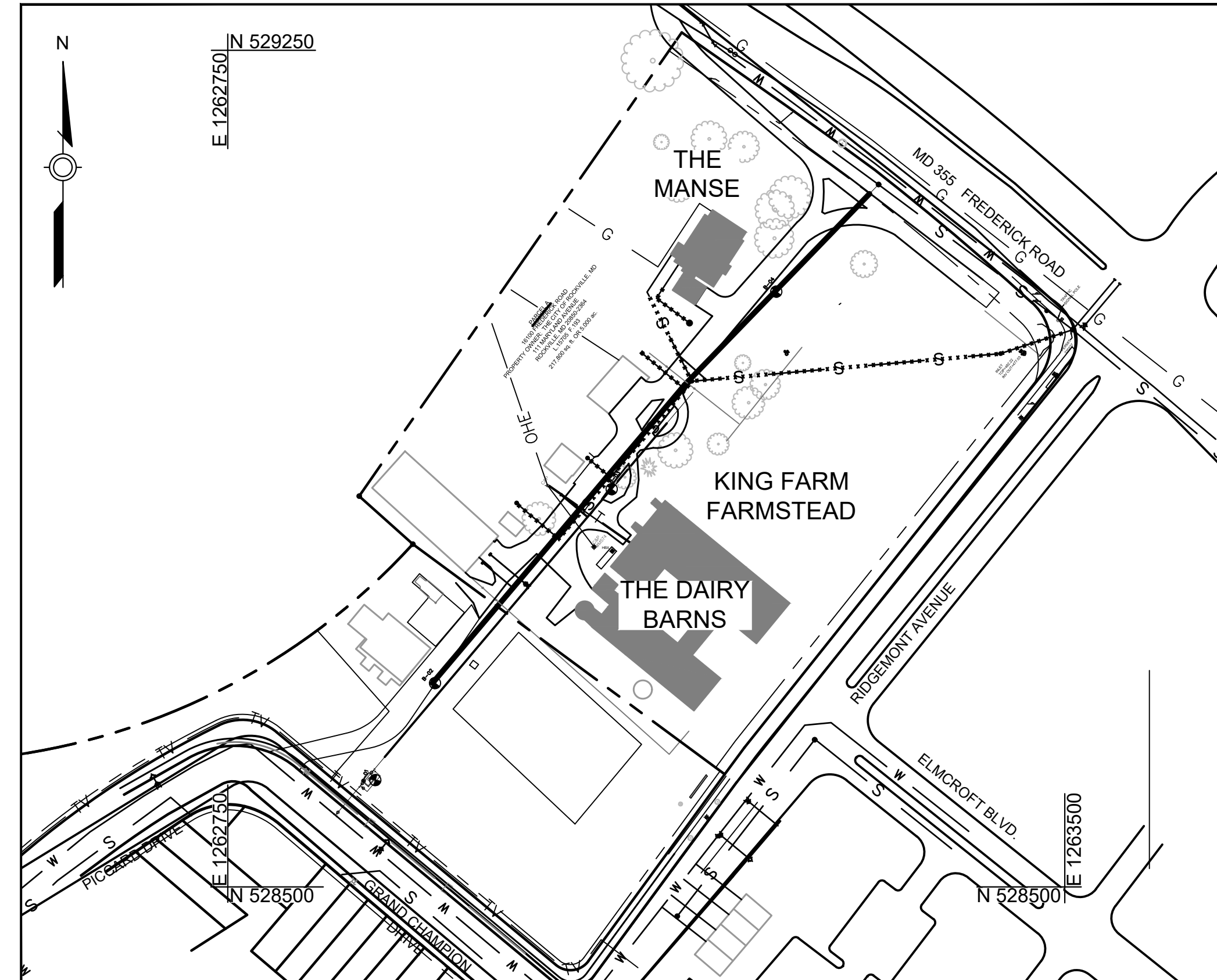
## WATER AND SEWER IMPROVEMENTS

PWK2022-00059; SCP2022-00021  
CITY OF ROCKVILLE, MARYLAND  
PUBLIC WORKS PLAN



**GENERAL NOTES**

1. THE APPLICANT IS THE ENTITY FOR WHICH THE CITY OF ROCKVILLE DEPARTMENT OF PUBLIC WORKS (DPW) HAS ISSUED A PERMIT. FOR DPW PROJECTS WHERE A PERMIT IS NOT APPLICABLE, THE ENTITY FOR WHICH THE CITY CONTRACT IS ISSUED SHALL BE CONSIDERED THE APPLICANT IN THESE NOTES. THE APPLICANT IS RESPONSIBLE FOR ALL CONTRACTORS, AGENTS, SUBCONTRACTORS, OR OTHER ENTITIES COMPLETING WORK UNDER THIS PERMIT AND/OR APPROVED PLAN.
2. THE APPLICANT MUST ARRANGE A PRE-CONSTRUCTION MEETING PRIOR TO COMMENCING ANY WORK. PROVIDE AT LEAST 48 HOURS OF NOTICE TO THE FOLLOWING: CITY PROJECT INSPECTOR LISTED IN THE PERMIT, CITY FORESTRY INSPECTOR AT 240-314-8713, IF REQUIRED BY EITHER A DPW AND/OR FORESTRY PERMIT, OR DPW SEDIMENT CONTROL INSPECTOR AT 240-314-8879, IF REQUIRED BY PERMIT.
3. THE APPLICANT MUST CONTACT MISS UTILITY AT 1-800-257-7777 OR #811 OR MISSUTILITY.NET SO THAT UTILITIES ARE MARKED PRIOR TO HOLDING ANY PRE-CONSTRUCTION MEETING.
4. INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES BY DIGGING TEST PITS AT THE UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF CLEARANCE IS LESS THAN SHOWN ON THIS PLAN, CONTACT THE PROFESSIONAL ENGINEER WHO STAMPED THE DESIGN PLANS BEFORE PROCEEDING WITH CONSTRUCTION
5. MAINTAIN A MINIMUM ONE-FOOT VERTICAL CLEARANCE BETWEEN ALL CITY UTILITIES CROSSING ANY OTHER UTILITY. UNLESS OTHERWISE NOTED, MAINTAIN A FIVE-FOOT HORIZONTAL CLEARANCE WITH BETWEEN A CITY UTILITY WITH ANY OTHER UTILITY OR STRUCTURE. THE ONLY EXCEPTION IS THAT THERE SHALL BE A TEN-FOOT HORIZONTAL CLEARANCE BETWEEN CITY WATER AND SEWER MAINS.
6. AT THE END OF EACH DAY, ALL TRENCHES SHALL BE BACKFILLED, ALL EQUIPMENT SECURED, AND THE AREA LEFT IN A SAFE CONDITION. STEEL PLATES ARE ALLOWED TO REMAIN NO LONGER THAN SEVEN DAYS. PLATES ARE TO BE NOTCHED (RECESSED) AND PINNED TO THE ROADWAY. PLATES MUST BE LARGE ENOUGH TO ALLOW A MINIMUM OF ONE-FOOT BEARING ON ALL FOUR SIDES OF THE PAVEMENT SURROUNDING THE EXCAVATION. THE STEEL PLATE REQUIREMENTS ONLY APPLY TO PUBLIC STREETS.
7. THE PUBLIC ROAD UTILITY PATCH SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL #60, OR AS SHOWN ON THE PLANS. ALL TRENCHES IN PUBLIC STREETS SHALL BE FILLED WITH COMPACTED GRADED AGGREGATE BASE (GAB) FROM BELOW THE PAVEMENT TO THE TOP OF THE PIPE EMBEDMENT ZONE OR TO A DEPTH OF FIVE-FEET, WHICHEVER IS LESS.
8. DPW NORMAL WORKING HOURS ARE MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS, FROM 7 A.M. TO 5 P.M. THE CITY OBSERVES THE FOLLOWING HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING'S BIRTHDAY, PRESIDENT'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, THANKSGIVING FRIDAY, AND CHRISTMAS DAY, AND ALL DAYS OF GENERAL AND CONGRESSIONAL ELECTIONS THROUGHOUT THE STATE.  
THE CONTRACTOR WILL NOT BE PERMITTED TO CLOSE LANES OR DO ANY WORK THAT REQUIRES THE SERVICES OF THE CITY FORCES, OUTSIDE OF THE NORMAL WORKING HOURS, UNLESS LISTED IN THE PERMIT OR AUTHORIZED BY DPW IN WRITING. HOWEVER, THE CONTRACTOR, WITH VERBAL PERMISSION OF DPW MAY BE PERMITTED TO WORK OUTSIDE OF THE NORMAL WORK HOURS FOR CLEAN-UP ACTIVITIES OR OTHER SUCH ITEMS THAT DO NOT ADVERSELY IMPACT TRAFFIC, RESIDENTS OR CITY SERVICES.
9. TRAFFIC MUST BE MAINTAINED ON ALL ROADWAYS WITHIN THE CONSTRUCTION AREA AS DIRECTED BY DPW. NO LANE CLOSURE SHALL BE PERMITTED BETWEEN 7:00-9:00 A.M. OR 3:30-6:00 P.M. MONDAY THROUGH FRIDAY. AN EXCEPTION IS THAT LANE CLOSURES ARE PERMITTED ON SECONDARY RESIDENTIAL STREETS AT ANY TIME DURING NORMAL WORKING HOURS. DEPLOYMENT AND DESIGN OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). IF REQUIRED, TRAFFIC CONTROL PLANS SHALL BE REVIEWED AND APPROVED BY THE CHIEF OF THE TRAFFIC AND TRANSPORTATION DIVISION. DPW MAY SUSPEND LANE CLOSURE OR OTHER TRAFFIC CONTROLS AT ANY TIME DURING, OR IN ADVANCE OF, INCLEMENT WEATHER EVENTS.
10. SHEETING AND SHORING IS THE TOTAL RESPONSIBILITY OF THE APPLICANT. A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND SHALL SEAL THESE DRAWINGS. PROVIDE THREE COPIES TO DPW FOR INFORMATIONAL PROPOSES ONLY.
11. IN ADDITION TO ALL CITY PERMITS, THE APPLICANT IS RESPONSIBLE TO ENSURE THAT ALL NECESSARY FEDERAL, STATE AND/OR MONTGOMERY COUNTY APPROVALS AND/OR PERMITS HAVE BEEN OBTAINED IN ASSOCIATION WITH THIS APPROVED PLAN.



**PROJECT AREA MAP**  
SCALE: 1" = 100'

**SITE: KING FARM FARMSTEAD**  
LIBER 15705 FOLIO 193/ LIBER 35480 FOLIO 487  
(16100 FREDERICK ROAD/ 1101 GRAND CHAMPION DRIVE)

**OWNER / DEVELOPER**

CITY OF ROCKVILLE, MARYLAND  
DEPARTMENT OF RECREATION AND PARKS  
111 MARYLAND AVENUE  
ROCKVILLE, MD 20850-2364

CONTACT: MAURICIO DAZA  
(240) 314-8608  
mdazd@rockvillemd.gov

**ENGINEER**

KCI TECHNOLOGIES, INC.  
936 RIDGEBROOK ROAD  
SPARKS, MD 21152

(410) 316-7800

CONTACT: JORDAN RANG, P.E.  
936 RIDGEBROOK RD.  
SPARKS, MD 21152

(410) 316-7936  
jordan.rang@kci.com

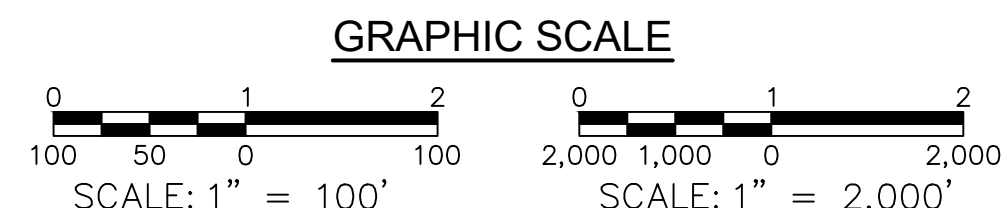
SHEET INDEX		
SHEET NO.	DRAWING NO.	SHEET NAME
1	G-001	TITLE SHEET
2	G-002	STANDARD NOTES
3	C-001	SITE PLAN
4	T-001	TRAFFIC CONTROL PLAN

**GENERAL NOTES (CONTINUED)**

12. SHOP DRAWINGS MUST BE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND PRIOR TO FABRICATION. THE PROFESSIONAL ENGINEER WHO SEALED THE DESIGN PLANS (BUT NOT THE SHOP DRAWINGS) MUST APPROVE THE SHOP DRAWINGS FOR CONFORMANCE TO THE APPROVED DESIGN. PROVIDE THREE COPIES OF APPROVED SHOP DRAWINGS TO DPW PRIOR TO CONSTRUCTION. STANDARD PRE-CAST STRUCTURES PREVIOUSLY APPROVED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION, MONTGOMERY COUNTY AND WASHINGTON SUBURBAN SANITATION COMMISSION DO NOT REQUIRE A SHOP DRAWING SUBMISSION. USE ACTUAL FIELD SOILS DATA FOR DESIGN OF PIPES AND STRUCTURES. ALL PIPES AND STRUCTURES IN PAVED AREAS SHALL BE DESIGNED FOR HS-20 VEHICLE LOADING.
13. UPON COMPLETION OF CONSTRUCTION, THE APPLICANT SHALL PROVIDE THREE SETS OF RED LINED AS-BUILT PRINTS (24"x 36") FOR REVIEW AND APPROVAL BY DPW. THE DRAWINGS MUST CONTAIN THE ORIGINAL APPROVAL SIGNATURES AND PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE (A SCANNED IMAGE OF THE ORIGINAL MYLAR IS ACCEPTABLE). THE AS-BUILT SHALL BE SEALED BY A PROFESSIONAL ENGINEER OR PROFESSIONAL SURVEYOR, AS APPROPRIATE AND MUST BE LICENSED BY THE STATE OF MARYLAND. THE SEAL SHALL NOTE THAT IT IS ONLY FOR THE AS-BUILT AND SHALL INCLUDE AN AS-BUILT CERTIFICATION ACCEPTABLE TO DPW. UPON RECEIPT OF WRITTEN APPROVAL, THE APPLICANT SHALL PROVIDE APPROVED AS-BUILT MYLAR DRAWINGS ALONG WITH THE ORIGINAL MYLARS (WITH ALL ORIGINAL SIGNATURES) TO DPW PRIOR TO THE RELEASE OF THE PERMIT.
14. THE APPLICANT MUST COMPLY WITH THE MONTGOMERY COUNTY NOISE CONTROL ORDINANCE. PLEASE REFER TO THE MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AT 240-777-7770, ASKDEP@MONTGOMERYCOUNTYMD.GOV, OR WWW.MONTGOMERYCOUNTYMD.GOV/DEP.
15. ALL ASPECTS OF WATER AND SEWER DESIGNED IN ACCORDANCE WITH WSSC STANDARDS, SPECIFICATIONS AND DETAILS UNLESS OTHERWISE INDICATED OR DIRECTED.

**NOTE**  
THIS PLAN IS FOR PUBLIC IMPROVEMENTS ONLY

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY"  
WWW.MISSUTILITY.NET  
OR  
1-800-257-7777  
OR 811  
AT LEAST 48 HOURS PRIOR TO EXCAVATION

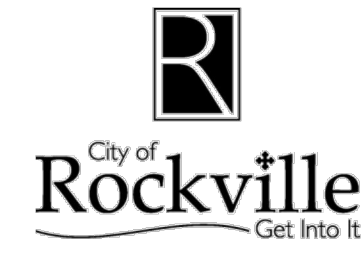


PROFESSIONAL CERTIFICATION:  
I hereby certify that these documents were prepared or approved by me, and that I am duly licensed Professional Engineer under the laws of the State of Maryland,  
License No. 45808  
Expiration Date: 6/3/2024



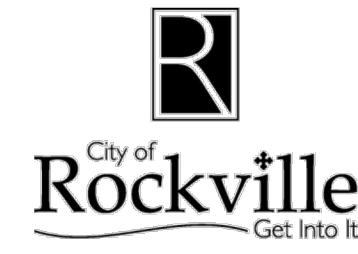
NO.	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 <b>DEPARTMENT OF PUBLIC WORKS</b> CITY OF <b>ROCKVILLE</b> 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	<b>DESIGN PLAN APPROVAL</b> PWK# PWK2022-00059 SCP# SCP2022-00021 SMP# N/A REVIEWED BY _____	<b>AS BUILT PLAN APPROVAL</b> _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	<b>G-001</b> <b>TITLE SHEET</b>	KING FARM FARMSTEAD PARCELS A & CX Election District No. 4 City of Rockville, Maryland	DATE SUBMITTED: 08/29/2022	SCALE AS SHOWN	SHEET NO. 1 OF 4	FILE #
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	APPROVAL DATE _____	APPROVAL DATE _____	APPROVAL DATE _____	NAME Jordan E. Rang	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	8/29/2022		



GENERAL NOTES
November 2016

- 1. The Applicant is the entity for which the City of Rockville Department of Public Works (DPW) has issued a permit. For DPW projects where a permit is not applicable, the entity for which the City contract is issued shall be considered the Applicant in these notes. The Applicant is responsible for all contractors, agents, subcontractors, or other entities completing work under this permit and/or approved plan.
2. The Applicant must arrange a pre-construction meeting prior to commencing any work. Provide at least 48 hours of notice to the following: City Project Inspector listed in the permit, City Forestry Inspector at 240-314-8713, if required by either a DPW and/or Forestry permit, or DPW Sediment Control Inspector at 240-314-8879, if required by permit.
3. The Applicant must contact Miss Utility at 1-800-257-7777 or #811 or missutility.net so that utilities are marked prior to holding any pre-construction meeting.
4. Information concerning existing underground utilities was obtained from available records. The Contractor must determine the exact location and elevation of existing utilities by digging test pits at the utility crossings well in advance of trenching. If clearance is less than shown on this plan, contact the Professional Engineer who stamped the design plans before proceeding with construction.
5. Maintain a minimum one-foot vertical clearance between all City utilities crossing any other utility. Unless otherwise noted, maintain a five-foot horizontal clearance with between a City utility with any other utility or structure. The only exception is that there shall be a ten-foot horizontal clearance between City water and sewer mains.
6. At the end of each day, all trenches shall be backfilled, all equipment secured, and the area left in a safe condition. Steel plates are allowed to remain no longer than seven days. Plates are to be notched (recessed) and pinned to the roadway. Plates must be large enough to allow a minimum of one-foot bearing on all four sides of the pavement surrounding the excavation. The steel plate requirements only apply to public streets.
7. The public road utility patch shall be in accordance with City Standard Detail #60, or as shown on the plans. All trenches in public streets shall be filled with compacted Graded Aggregate Base (GAB) from below the pavement to the top of the pipe embedment zone or to a depth of five-feet, whichever is less.
8. DPW normal working hours are Monday through Friday, except holidays, from 7 a.m. to 5 p.m. The City observes the following holidays: New Year's Day, Martin Luther King's Birthday, President's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, Thanksgiving Friday, and Christmas Day, and all days of general and congressional elections throughout the State.
The Contractor will not be permitted to close lanes or do any work that requires the services of the City forces, outside of the normal working hours, unless listed in the permit or authorized by DPW in writing. However, the Contractor, with verbal permission of DPW may be permitted to work outside of the normal work hours for clean-up activities or other such items that do not adversely impact traffic, residents or City services.
9. Traffic must be maintained on all roadways within the construction area as directed by DPW. No lane closure shall be permitted between 7:00-9:00 A.M. or 3:30-6:00 P.M. Monday through Friday. An exception is that lane closures are permitted on secondary residential streets at any time during normal working hours. Deployment and design of all traffic control devices shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). If required, traffic control plans shall be reviewed and approved by the Chief of the Traffic and Transportation Division. DPW may suspend lane closure or other traffic controls at any time during, or in advance of, inclement weather events.
10. Sheeting and shoring is the total responsibility of the Applicant. A Professional Engineer licensed in the State of Maryland shall seal these drawings. Provide three copies to DPW for informational purposes only.
11. In addition to all City permits, the Applicant is responsible to ensure that all necessary Federal, State and/or Montgomery County approvals and/or permits have been obtained in association with this approved plan.
12. Shop drawings must be prepared and sealed by a Professional Engineer licensed in the State of Maryland prior to fabrication. The Professional Engineer who sealed the design plans (but not the shop drawings) must approve the shop drawings for conformance to the approved design. Provide three copies of approved shop drawings to DPW prior to construction. Standard pre-cast structures previously approved by the Maryland State Highway Administration, Montgomery County and Washington Suburban Sanitation Commission do not require a shop drawing submission. Use actual field soils data for design of pipes and structures. All pipes and structures in paved areas shall be designed for HS-20 vehicle loading.
13. Upon completion of construction, the Applicant shall provide three sets of red lined As-Built prints (24" x 36") for review and approval by DPW. The drawings must contain the original approval signatures and Professional Engineer's seal and signature (a scanned image of the original mylar is acceptable). The As-Built shall be sealed by a Professional Engineer or Professional Surveyor, as appropriate and must be licensed by the State of Maryland. The seal shall note that it is only for the As-Built and shall include an as-built certification acceptable to DPW. Upon receipt of written approval, the Applicant shall provide approved As-Built mylar drawings along with the original mylars (with all original signatures) to DPW prior to the release of the permit.
14. The Applicant must comply with the Montgomery County Noise Control Ordinance. Please refer to the Montgomery County Department of Environmental Protection at 240-777-7770, askdep@montgomerycountymd.gov, or www.montgomerycountymd.gov/DEP.



GEOTECHNICAL NOTES
November 2016

- 1. The Applicant shall be responsible for all subgrade inspection and soil compaction testing associated with any work within a City right-of-way, private property subject to a public access easement, or private property subject to City easement for public utilities or public improvements; and/or any work associated with a sediment control facility, or stormwater management practice. This work shall be completed by or under the supervision of a Professional Engineer licensed in the State of Maryland. For the purposes of these notes and associated approved plans, this Engineer shall be referred to as the Geotechnical Engineer and shall be an independent firm from the Applicant.
2. Any plans subject to NRCS-MD Pond Code 378 Standards/Specifications, as shown on the plans, shall supersede these notes when these notes are less stringent or in case of conflict. Any reference to the Engineer in the 378 Standard/Specifications shall be the Professional Engineer who stamped and sealed the design plans. Any reference to the Geotechnical Engineer shall be the Geotechnical Engineer as defined above or the Geotechnical Engineer who completed certain aspects of the pond design.
3. All inspections, tests, supporting data, reports, and certifications shall be provided to the City of Rockville Department of Public Works (DPW) and shall be sealed by the Geotechnical Engineer. Daily inspection reports, if requested by the City, can be provided without being immediately sealed by the Geotechnical Engineer. These reports shall be compiled, reviewed, sealed and then submitted to DPW at a later date as agreed upon by the City.
4. The Geotechnical Engineer shall approve all fill materials that are used for the project. The Geotechnical Engineer shall obtain samples of proposed fill materials and perform all required testing to determine that fill materials are in conformance with this plan.
5. The Geotechnical Engineer shall provide a report that certifies the subgrade preparation and fill/backfill placement are in conformance with this plan. The certification applies to all fill, backfill, and subgrade operations subject to this plan as detailed in Note #1, including utility trenches. When constructing new roadway pavement this certification report shall be provided prior to the placement of Graded Aggregate Base (GAB). All other certifications shall be provided as requested by the City.
6. All fill and/or backfill material shall be free from organics, frozen material, rocks/stones greater than one and a half inches in any dimension, waste metal products, unsightly debris, toxic material, or other deleterious materials; shall be a minimum of 105 pounds per cubic foot for the maximum dry density according to AASHTO T-180, Method C, and shall not have a liquid limit greater than 30 nor a plasticity index greater than six according to ASTM D-4318. All other materials shall meet the requirements stated in Category 900 of the latest edition of the Maryland State Highway Administration (MSHA) Standard Specifications for Construction and Materials.
7. Compact the material that is one foot below the top of subgrade to at least 92 percent of the maximum dry density per AASHTO T-180. Compact the top one foot to at least 97 percent of the maximum dry density. When necessary, add water or dry the layer in order to compact to the required density. Generally the material shall be within two percent of the optimum moisture content but may be outside of this range if approved by the Geotechnical Engineer.
8. Fill and backfill materials must completely fill all spaces under and adjacent to the structure or pipe. For Stormwater Management embankments, the Applicant shall scarify each lift with a sheepsfoot roller or claw to a minimum depth of two-inches prior to placing the next lift. The Applicant shall scarify embankments parallel with the centerline of the dam core and perpendicular to the principal spillway. Bedding shall be provided in accordance with details indicated on the construction drawings. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four-feet, measured horizontally, to any part of a structure. Under no circumstances shall the Applicant drive equipment over any part of a corrugated metal pipe unless there is a compacted fill of 24-inches or greater over the structure or pipe.
9. At a minimum, compaction tests shall be completed for every lift of fill or backfill. The testing frequency shall be at least once per 150 linear feet of trench or once per 1,500 square feet of fill. At a minimum, there shall be at least one compaction test per lift and a least two compaction tests per day. The Geotechnical Engineer shall supply DPW with certified compaction test results, including certification of pipe bedding subgrade and fill subgrade.
10. Prior to placing any roadway fill on existing grades (original grade after topsoil has been stripped, fill prepared by others outside of this plan or fill not prepared under the supervision of the Geotechnical Engineer), scarify the minimum top eight-inches of soil material. Compact this layer to the compaction requirements in these Notes. Proof-roll this compacted layer using a fully loaded dump truck (minimum 20 ton payload capacity). The Geotechnical Engineer shall inspect the proof-rolling and determine if the subgrade is acceptable or if there are areas that require remediation. Subgrade areas that fail proof-rolling shall be remediated to the satisfaction of the Geotechnical Engineer by either of the following methods:
A. Scarifying, moisture conditioning, and re-compaction of the subgrade materials.
B. Undercutting soft of unsuitable areas of subgrade and backfilling with compacted select borrow (MSHA Section 916).
C. Undercutting of soft or unsuitable areas of subgrade and placing a layer of geotextile covered by # MSHA 57 coarse aggregate (Table 901A).
DPW may approve an alternate approach for soil remediation/improvement if it is recommended and sealed by the Geotechnical Engineer.
11. Except when specified, do not place layers exceeding eight-inches un-compacted depth. Place the material in horizontal layers across the full width of the embankment. Perform all rolling in a longitudinal direction along the embankment. Begin at the outer edges and progress towards the center. Vary the travel paths of traffic and equipment over the width of the embankment to aid in obtaining uniform compaction.
12. Uniformly grade areas to a smooth surface, free of irregular surface changes. Grade and prepare the subgrade section to the lines, grades, cross sections and/or elevations shown on the plans. At all times, maintain the subgrade surface in such condition as to readily drain.



STORM DRAIN AND PAVING NOTES
November 2016

- 1. All storm drain and paving construction shall be in accordance with the latest General Specifications and Standard Details of the Maryland State Highway Administration, Montgomery County, and the City of Rockville unless otherwise noted.
2. Unless otherwise specified, all storm drain pipes shall be installed with Montgomery County Standard "C" shaped subgrade bedding or better.
3. All public storm drain shall be a minimum Class IV rubber gasket reinforced concrete pipe in accordance with the latest versions of ASTM C-76 and ASTM C-443.
4. If springheads are encountered in any phase during construction, construction must be stopped until they are capped and piped to a storm drain or stream as directed by the City.
5. Provide positive drainage of all areas disturbed by construction. Minimum slope in paved areas is one percent. Minimum slope of graded areas is two percent. Maximum slope on earth banks is 3:1.
6. When tying into existing pavement, saw cut existing paving edge to provide a clean, straight, and vertical joint. When removing existing curb or sidewalk, remove to the nearest joint.
7. Paving Contractor is responsible for adjusting utility tops to finished grade.
8. Applicant is responsible for installing all pavement markings and signage in accordance with the Final Pavement Marking and Signage Plan, which is approved by the Chief of Traffic and Transportation.
9. For pavement sections of private driveways and parking lots, refer to Zoning and Planning Ordinance, 25.16.06.d. - Parking Design Standards-Paving Specifications.

- 13. Do not place backfill or fill soil material on surfaces that are muddy, frozen, or contain frost or ice. Vehicular and equipment traffic shall be distributed across the prepared surface in such a manner as to prevent disturbance. Repair any damage to the prepared subgrade to the satisfaction of the Geotechnical Engineer. The Geotechnical Engineer must approve the storage or stockpiling of heavy loads on a roadway subgrade.
14. Unsuitable existing fill, soft or loose natural soils, organic material, and rubble shall be stripped to approved grades as determined by the Geotechnical Engineer.
15. Protect all structures and utilities from any damage in the handling, processing or compacting of embankment or backfill material. Exercise caution near arches, retaining walls, culverts and utility trenches to prevent undue strain or movement. The Geotechnical Engineer may require the use of specially selected material adjacent to structures to protect against damage. Do not use rock greater than one and a half inches in any dimension adjacent to structures.
16. When placing and compacting embankment on hillsides or against existing embankments, continuously bench the slopes where the slope is steeper than 4:1 when measured at right angles to the roadway or embankment centerline. Perform the benching operation as the embankment is constructed in layers. Maintain a bench width of at least five-feet. Begin each horizontal cut at the intersection of the original ground and the vertical sides of the previous cut. If the material cut from the benches meets fill requirements, compact this material along with the new embankment material.
17. When placing fill over existing pavement, thoroughly break up, scarify, or remove the pavement as specified or as directed by the Geotechnical Engineer.
18. Prior to the placement of asphalt pavement, proof-roll the compacted graded aggregate base (GAB) layer using a fully loaded dump truck (minimum 20 ton payload capacity). The Geotechnical Engineer shall inspect the proof-rolling and determine if the GAB is acceptable or if there are areas that require remediation. GAB areas that fail proof-rolling shall be remediated to the satisfaction of the Geotechnical Engineer by either of the following methods:
A. Scarifying, moisture conditioning, and re-compaction of the GAB materials.
B. Undercutting soft of unsuitable areas of GAB and replacing with compacted GAB.

DPW may approve an alternate approach for GAB remediation/improvement if it is recommended and sealed by the Geotechnical Engineer. The Geotechnical Engineer shall provide a sealed approval of the GAB prior to placement of asphalt. DPW may accept an oral or email approval while the final approval and reports are being compiled and completed.

NOTE
THIS PLAN IS FOR PUBLIC IMPROVEMENTS ONLY

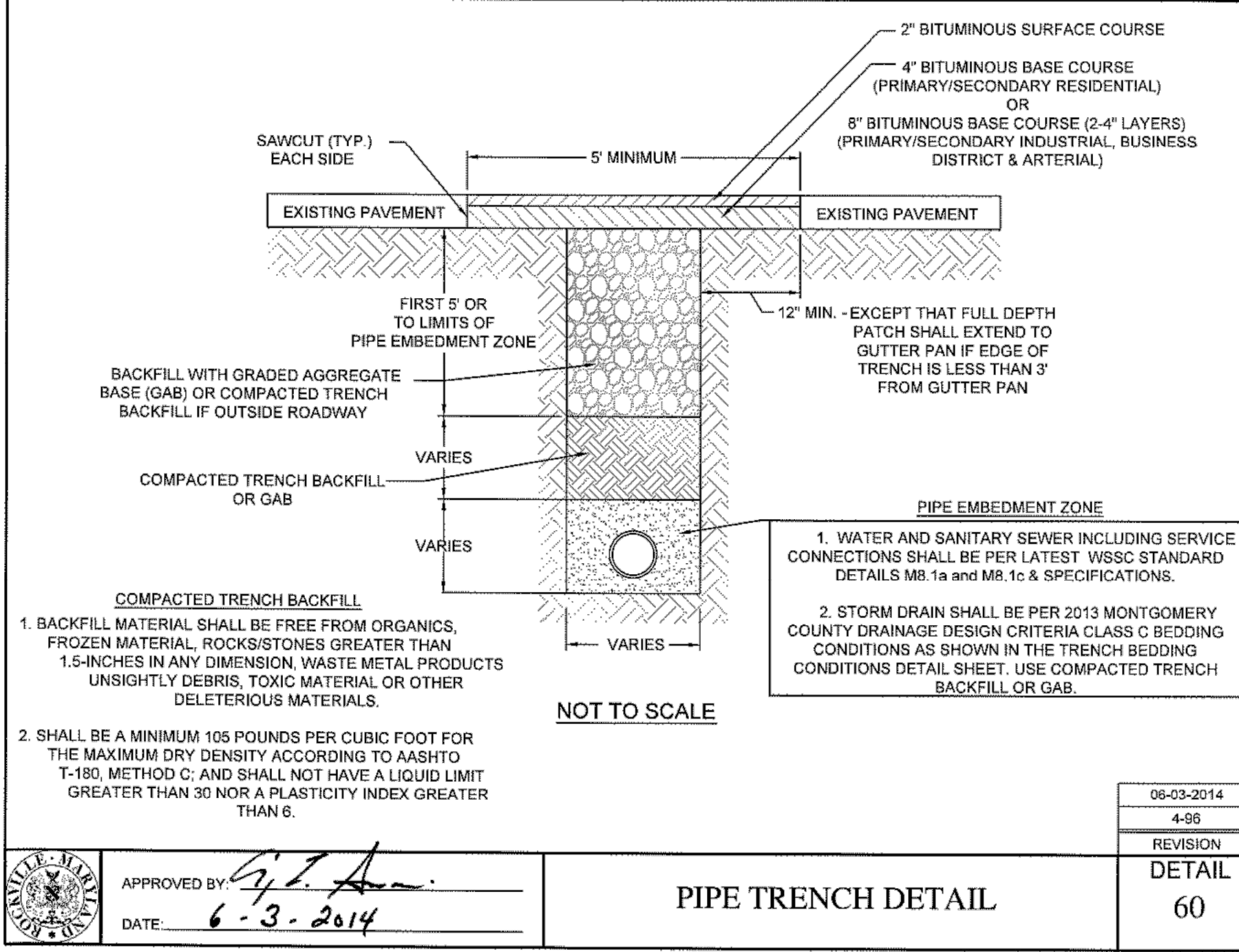
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION

PROFESSIONAL CERTIFICATION: I hereby certify that these documents were prepared or approved by me, and that I am duly licensed Professional Engineer under the laws of the State of Maryland, License No. 45808, Expiration Date: 6/3/2024 Jordan E. Rang



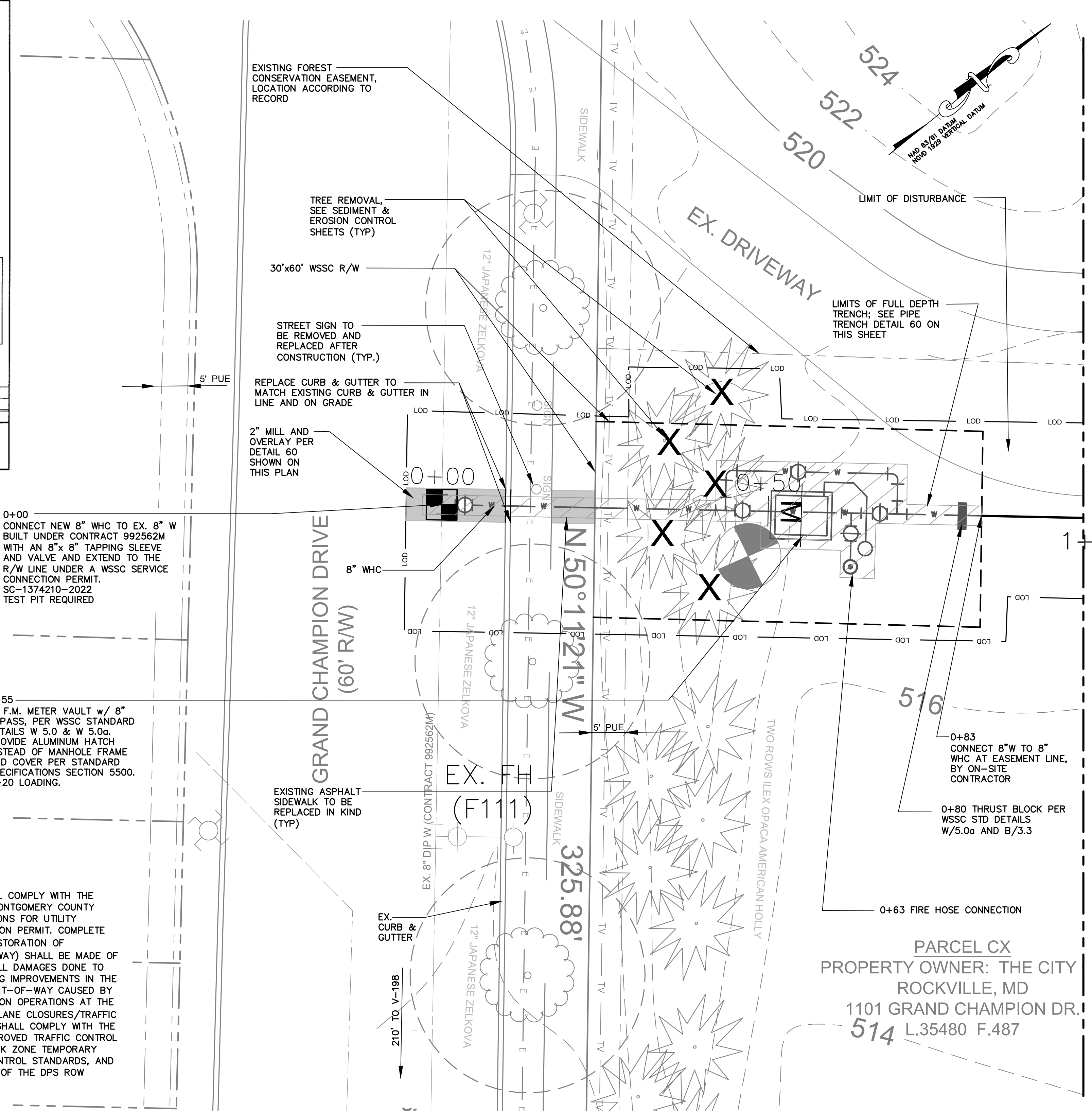
Table with 6 columns: NO., DESCRIPTION OF REVISION, P.E. INITIAL, DATE, DPW, DATE. Includes a row for APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL.

Form containing project details: DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE, 111 MARYLAND AVE, ROCKVILLE, MARYLAND; DESIGN PLAN APPROVAL (PWK# PWK2022-00059, SMP# N/A); AS BUILT PLAN APPROVAL; G-002 CITY OF ROCKVILLE STANDARD NOTES; KING FARM FARMSTEAD PARCELS A & CX; Election District No. 4; City of Rockville, Maryland; SCALE AS SHOWN; SHEET NO. 2 OF 4; FILE #



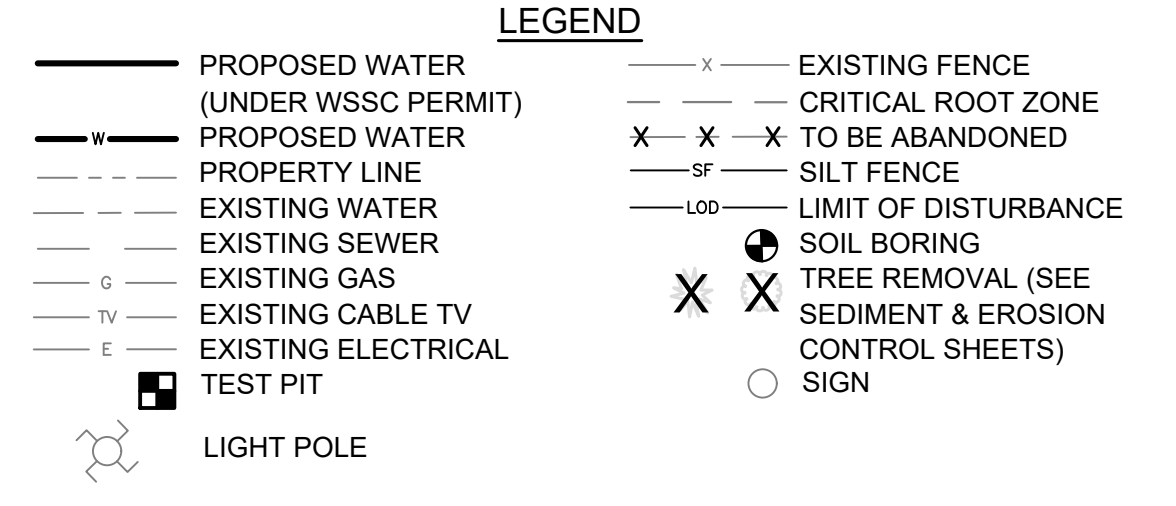
NOTE:  
CONTRACTOR SHALL TEST PIT ALL EXISTING UTILITIES CROSSINGS IN ADVANCE OF WATER MAIN INSTALLATION. TO VERIFY HORIZONTAL AND VERTICAL INFORMATION CONTRACTOR TO CONTACT THE ENGINEER IF VERTICAL SEPARATION BETWEEN EXISTING UTILITY AND WATER MAIN IS LESS THAN 1.0'.

NOTE:  
WORK SHALL COMPLY WITH THE CURRENT MONTGOMERY COUNTY SPECIFICATIONS FOR UTILITY CONSTRUCTION PERMIT. COMPLETE REPAIR (RESTORATION OF RIGHT-OF-WAY) SHALL BE MADE OF ANY AND ALL DAMAGES DONE TO THE EXISTING IMPROVEMENTS IN THE PUBLIC RIGHT-OF-WAY CAUSED BY CONSTRUCTION OPERATIONS AT THE SITE. ALL LANE CLOSURES/TRAFFIC CONTROLS SHALL COMPLY WITH THE MCDOT APPROVED TRAFFIC CONTROL PLANS, WORK ZONE TEMPORARY TRAFFIC CONTROL STANDARDS, AND DIRECTIONS OF THE DPS ROW INSPECTOR.



FOR PROJECT CONTINUATION, SEE WSSC CONTRACT SU-3319-2021

- SHEET NOTES:**
- PRIVATE UTILITY LOCATIONS ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS PRIOR TO STARTING WORK, AND SHALL INFORM THE ENGINEER IF THE VERIFIED LOCATIONS ARE SIGNIFICANTLY DIFFERENT THAN SHOWN HEREIN.
  - THE CONTRACTOR SHALL SUBMIT A REMOVAL AND ABANDONMENT PLAN TO THE ENGINEER FOR REVIEW PRIOR TO STARTING ANY WATER OR SEWER WORK.
  - WATER MAIN SHALL HAVE 48" COVER, MINIMUM.
  - ABANDONMENT OF EXISTING SEWER MAINS SHALL FOLLOW WSSC STANDARDS. EXISTING SEWER SHALL BE PLUGGED AND FILLED WITH FLOWABLE FILL FOR THE ENTIRE LENGTH OF SEWER TO BE ABANDONED, UNLESS OTHERWISE NOTED TO BE REMOVED.
  - THE CONTRACTOR SHALL TAKE EVERY EFFORT TO PROTECT THE HEALTH OF TREES ADJACENT TO CONSTRUCTION. IN THE EVENT OF CONFLICT THE CONTRACTOR SHALL CONSULT WITH THE CITY OF ROCKVILLE ARBORIST.
  - ROOT PRUNING SHALL BE AS DIRECTED BY THE CITY OF ROCKVILLE FORESTER.
  - TREE REMOVALS AND REPLACEMENTS SHALL BE COORDINATED WITH THE CITY OF ROCKVILLE.
  - BUILDING NUMBERS PROVIDED ARE FROM THE REPORT ENTITLED: "PHASE 1 LETTER REPORT FOR THE SITE UTILITY WATER AND SEWER SYSTEM FOR THE KING FARM FARMSTEAD" BY KCI TECHNOLOGIES, JANUARY 8, 2008, AND ARE FOR REFERENCE ONLY. THE BUILDING NUMBERS DO NOT CONSTITUTE US POSTAL SERVICE MAILING ADDRESSES.
  - EX. WELLS TO BE ABANDONED SHALL BE PROPERLY FILLED AND SEALED IN COMPLIANCE WITH THE REQUIREMENTS OF COMAR 26.04.04.11 AND FOLLOW STANDARD REQUIREMENTS AS REQUIRED BY MONTGOMERY COUNTY HEALTH DEPARTMENT.
  - WELL ABANDONMENT SHALL BE COORDINATED AFTER WATER SERVICE IS PROVIDED TO ALL BUILDINGS.
  - ANY CHANGED CONDITIONS OR DESIGN FROM THIS PLAN MUST BE BROUGHT TO THE ATTENTION OF THE WSSC PIPELINE CONSTRUCTION DIVISION INSPECTOR OR CONTRACT MANAGER AND MAY REQUIRE A FORMAL REVISION, PERMIT, AND/OR ADDITIONAL FEES.
  - CONTRACTOR SHALL TEST PIT ALL UTILITY CROSSINGS IN ADVANCE OF WATER MAIN INSTALLATION. CONTRACTOR TO CONTACT THE ENGINEER IF VERTICAL SEPARATION BETWEEN EXISTING UTILITY AND WATER MAIN IS LESS THAN 1.0'.



BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION

PROFESSIONAL CERTIFICATION:  
I hereby certify that these documents were prepared or approved by me, and that I am duly licensed Professional Engineer under the laws of the State of Maryland, License No. 45808, Expiration Date: 6/3/2024  
Jordan E. Rang  
NAME



NOTE: THIS PLAN IS FOR PUBLIC IMPROVEMENTS ONLY

NO.	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

<p>DEPARTMENT OF PUBLIC WORKS CITY OF <b>ROCKVILLE</b> 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL PWK# PWK2022-00059 SCP# (SEPARATE PLAN) SCP2022-00021 SMP# N/A REVIEWED BY _____	AS BUILT PLAN APPROVAL CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	<b>C-001</b> <b>SITE PLAN</b>	KING FARM FARMSTEAD PARCELS A & CX Election District No. 4 City of Rockville, Maryland	DATE SUBMITTED: 08/29/2022 SCALE AS SHOWN SHEET NO. 3 OF 4 FILE # _____
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	APPROVAL DATE _____	APPROVAL DATE _____	APPROVAL DATE _____	APPROVAL DATE _____	APPROVAL DATE _____

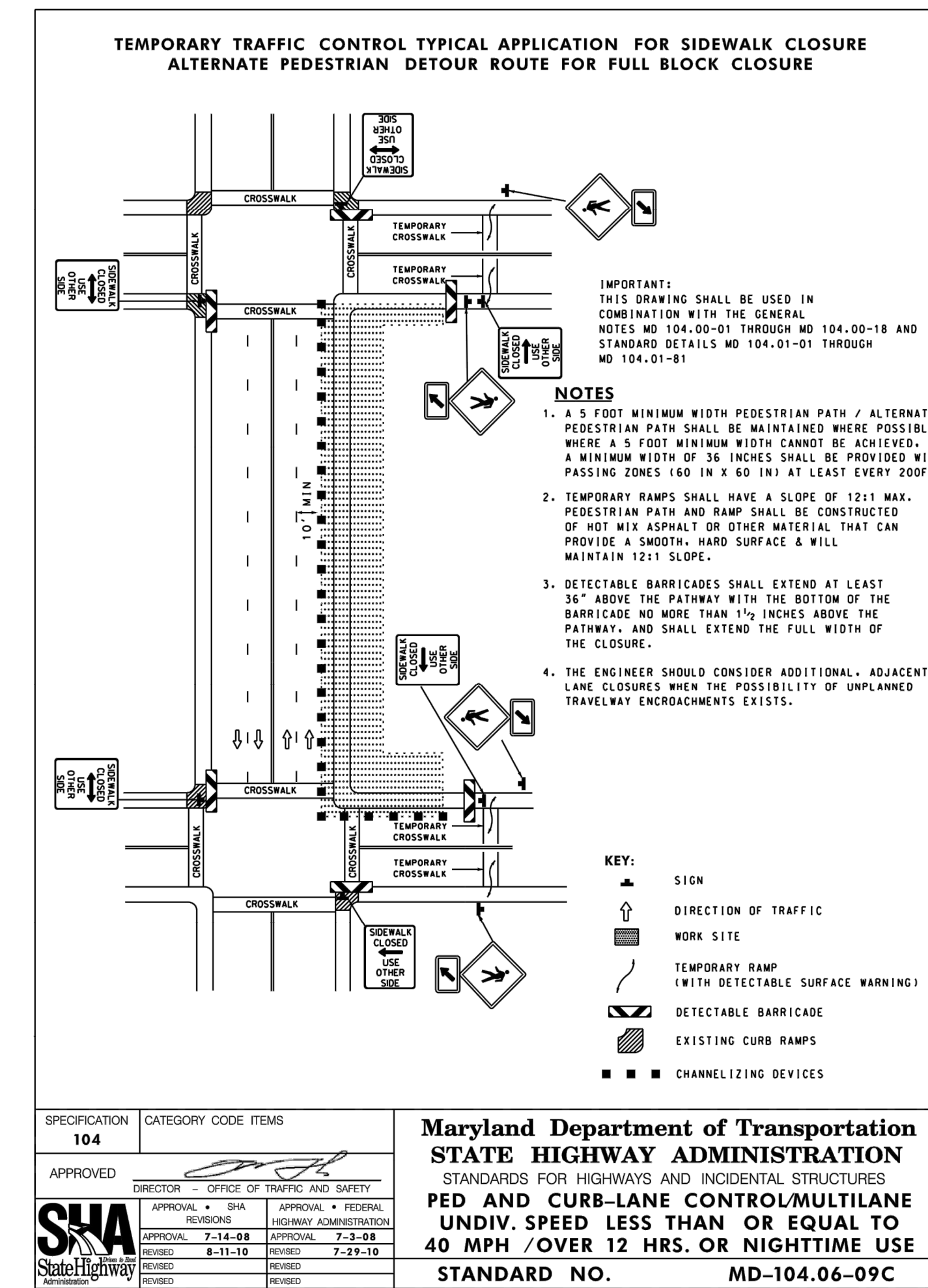
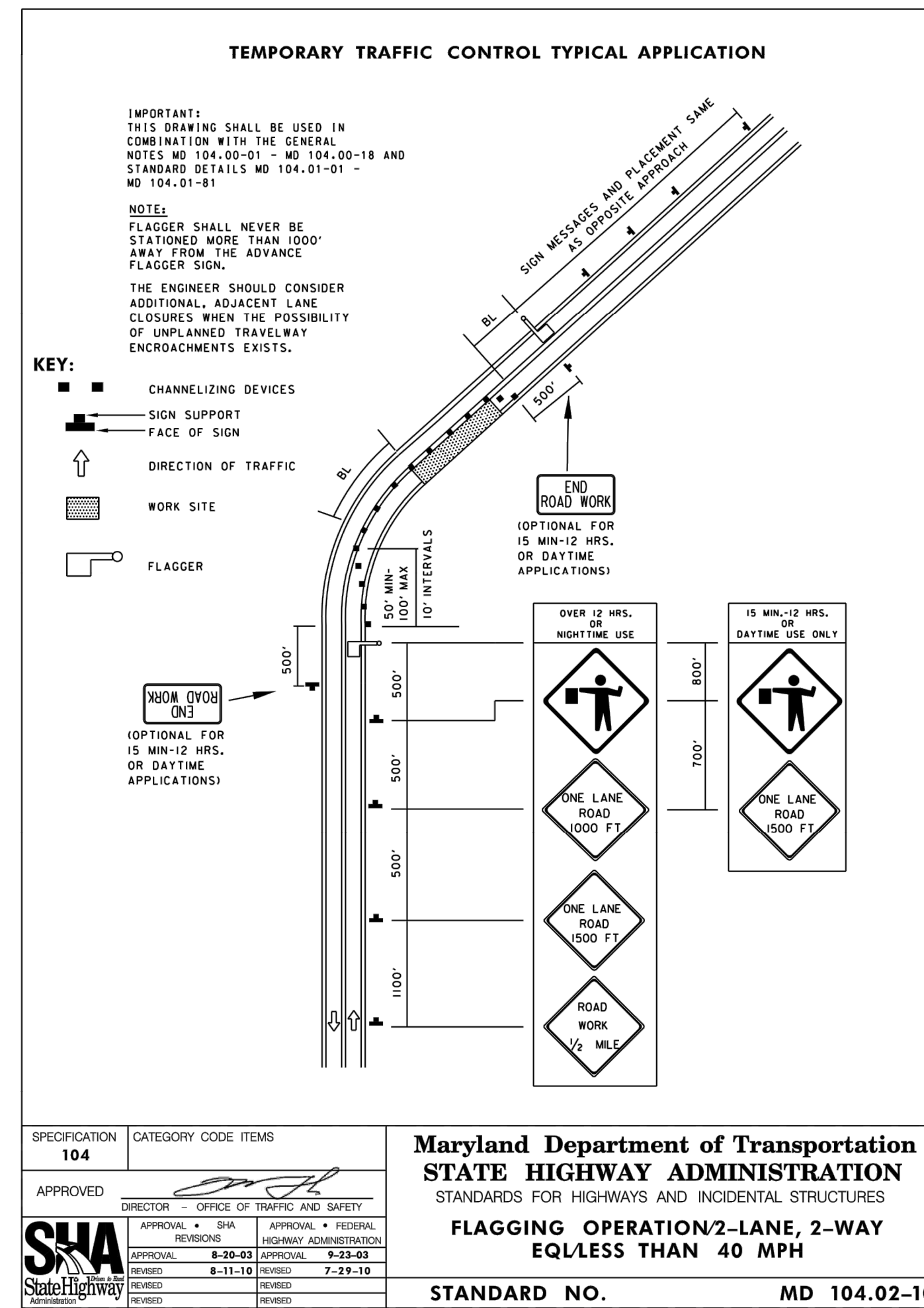
**TRAFFIC CONTROL NOTES:**

- ALL TRAFFIC CONTROL DEVICES AND PRACTICES SHALL CONFORM WITH THE GUIDELINES OF THE "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (LATEST ADOPTED EDITION/ REVISION) AND MONTGOMERY COUNTY WORK ZONE TEMPORARY TRAFFIC CONTROL STANDARDS (LATEST REVISION).
- THE TRAFFIC CONTROL PLAN DEPICTS THE MINIMUM TRAFFIC CONTROLS REQUIRED DURING CONSTRUCTION TO MAINTAIN VEHICULAR TRAFFIC FLOW AND THE SAFETY OF VEHICLES, PEDESTRIANS, AND WORKERS. ADDITIONAL DEVICES OR ADJUSTMENT OF THE LOCATION OF DEVICES SHALL BE INCORPORATED AS DIRECTED BY THE CITY TRAFFIC ENGINEER.
- IN THE EVENT THAT ADJACENT CONSTRUCTION PROJECTS OCCUR SIMULTANEOUSLY WITH THIS PROJECT, COORDINATION OF THE TRAFFIC CONTROL PLANS FOR EACH PROJECT WILL BE REQUIRED. SPECIFICALLY THE LOCATION OF OVERLAPPING ADVANCE WARNING SIGNS SHALL BE ADJUSTED AS REQUIRED.
- ALL TEMPORARY SIGNS INSTALLED FOR THIS PROJECT SHALL BE HIGH INTENSITY GRADE RETROREFLECTIVE SHEETING.
- ANY WORK NOT AFFECTING TRAFFIC PATTERNS MAY BE COMPLETED AT ANY TIME AS APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL MAINTAIN DROP-OFF PROTECTION IN ACCORDANCE WITH MDSA TYPICAL STANDARDS. DROP-OFFS GREATER THAN 2-INCHES SHALL BE COVERED WITH STEEL PLATES AT THE END OF EACH PERIOD.
- EXISTING SIGNS NO LONGER APPLICABLE DURING WORK PERIODS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.
- WHERE APPLICABLE, CONTRACTOR SHALL INSTALL AN EXCAVATION SUPPORT SYSTEM OR SLOPE THE EXCAVATION IN ACCORDANCE WITH "OSHA CONSTRUCTION STANDARDS FOR EXCAVATION" (20 CFR PART 1926.650-.652).
- THE TRENCH FOR THE PROPOSED WATER MAIN SHALL BE OFFSET, AS NECESSARY, FROM THE PIPING CENTERLINE TO MAXIMIZE THE WIDTH OF THE TRAVEL LANE PROVIDED DURING CONSTRUCTION. AT NO TIME WILL THE TRAVEL LANE PROVIDED BE LESS THAN 10 FEET WIDE.
- THE DAILY TRENCHING OPERATION SHALL NOT EXTEND MORE THAN 30 FEET IN ADVANCE OF THE PIPE LAYING OPERATION AND WILL BE SHORED IN ACCORDANCE WITH THE SHORING MANUFACTURER'S TABULATED DATA FOR THE SOIL CONDITIONS PRESENT. THE ROADWAY WILL BE OPENED TO TWO FULL LANES AT THE END OF EACH WORK DAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PROPERTY OWNERS/RESIDENTS AND NOTIFYING THEM OF LANE CLOSURES AND CONSTRUCTION ACTIVITIES.
- A MINIMUM OF 10 FEET SHALL BE PROVIDED BETWEEN A TRENCH EDGE AND A TRAVEL LANE EDGE DURING NON-WORKING HOURS.
- ANY SIDEWALK CLOSURE SHALL BE LIMITED TO LESS THAN 15 DAYS. ALL SIDEWALK CLOSURES SHALL BE LIMITED TO WORK HOURS AND ALL SIDEWALK SHALL BE OPENED AT THE END OF THE WORK DAY. ALL SIDEWALK SHALL BE RESTORED WITH TEMPORARY OR PERMANENT PAVING AFTER WORK IN THE AREA IS COMPLETE. IF ANY SIDEWALK CLOSURE IS EXPECTED TO LAST MORE THAN 15 DAYS, A TEMPORARY PATH ON THE SAME SIDE OF THE ROAD SHALL BE CONSTRUCTED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL USE ORANGE CONSTRUCTION FENCE TO KEEP PEDESTRIANS OUT OF THE WORK AREA AS NECESSARY.
- THE CONTRACTOR SHALL POST "EMERGENCY NO PARKING SIGNS" ALONG ALL PARKING AREAS AFFECTED BY THE WORK AND LIST THE DATE WHEN THE PARKING WILL BE CLOSED. THE CONTRACTOR SHALL LIMIT THE LENGTH OF TIME THE PARKING IS CLOSED TO THE TIME REQUIRED TO CONSTRUCT THE NEW WATERMAIN. AS WORK PROGRESSES THE CONTRACTOR SHALL OPEN UP ALL PARKING ONCE WORK IN THE AREA IS COMPLETE.

TRAFFIC DATA:  
AADT = UNAVAILABLE, LOCAL STREETS  
POSTED SPEED LIMIT = 25 MILES PER HOUR

**MONTGOMERY COUNTY WORK ZONE TRAFFIC CONTROL STANDARDS**

- TCP-100.01
- TCP-102.02



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DEPARTMENT OF PUBLIC WORKS  
CITY OF  
**ROCKVILLE**  
111 MARYLAND AVE. ROCKVILLE, MARYLAND

DESIGNED \_\_\_\_\_  
DRAFTED \_\_\_\_\_  
CHECKED \_\_\_\_\_

DESIGN PLAN APPROVAL

(SEPARATE PLAN) SCP2022-00021

PWK# PWK2022-00059 SCP# \_\_\_\_\_  
SMP# N/A REVIEWED BY \_\_\_\_\_

DIRECTOR OF PUBLIC WORKS APPROVAL DATE \_\_\_\_\_

AS BUILT PLAN APPROVAL

T-001  
**TRAFFIC CONTROL PLAN**

CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE \_\_\_\_\_

PROFESSIONAL CERTIFICATION:  
I hereby certify that these documents were prepared or approved by me, and that I am duly licensed Professional Engineer under the laws of the State of Maryland, License No. 45808, Expiration Date: 6/3/2024

Jordan E. Rang  
NAME

8/29/2022

KING FARM FARMSTEAD PARCELS A & CX  
Election District No. 4 City of Rockville, Maryland

NO.	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

DATE SUBMITTED: 08/29/2022

SCALE AS SHOWN

SHEET NO. 4 OF 4

FILE # \_\_\_\_\_

**NOTE**  
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