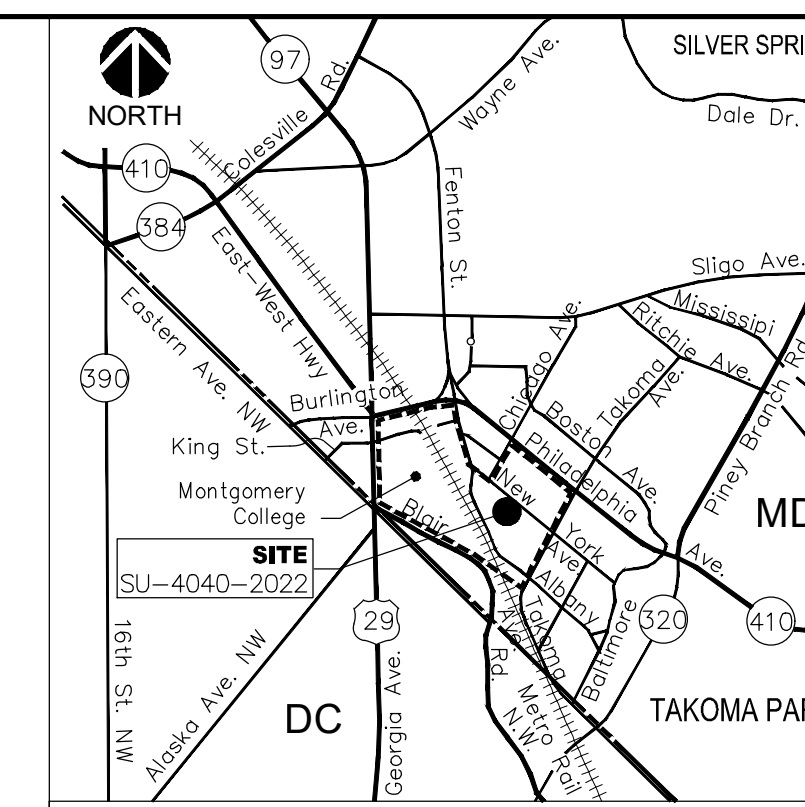


Notes:



**VICINITY MAP**  
SCALE 1"=2000' PAGE: 5408 GRID: G3  
MONTGOMERY COUNTY

FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777  
OR LOG ON TO [www.call811.com](http://www.call811.com) OR [www.missutility.net](http://www.missutility.net)  
48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY

**AS BUILT DATA**

|                  |     |
|------------------|-----|
| CONTRACT MANAGER |     |
| CONTRACTOR       |     |
| INSPECTOR        |     |
| LINE & GRADE     |     |
| DATE STARTED     |     |
| DATE COMPLETED   |     |
| TYPE PIPE        | W S |
| TYPE MANHOLES    |     |
| DATE FINALED     |     |
| FINALED BY       |     |

**ENGINEER/SURVEYOR'S AS-BUILT CERTIFICATION**

I HEREBY CERTIFY THAT THE AS-BUILT INFORMATION AS SHOWN IN (RED OR GREEN) HEREIN IS ACCURATE TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND HAS BEEN ESTABLISHED BY A FIELD RUN SURVEY USING ACCEPTABLE SURVEYING METHODS BY MYSELF AND/OR SOMEONE UNDER MY DIRECT SUPERVISION ON (EFFECTIVE DATE). ALL ASBUILT DATA IS SHOWN IN BOXES.

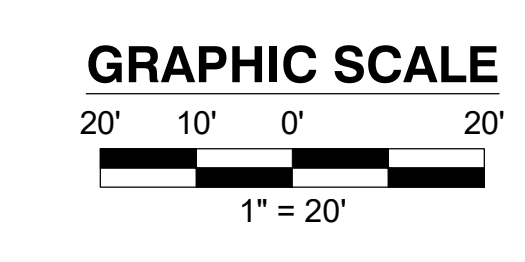
EMAIL ADDRESS: \_\_\_\_\_

LICENSE NO.: \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

**SU-4040-2022**  
**SITE UTILITY**  
**WATER AND SEWER PLAN**

**RESOURCE CENTER**  
**LIBRARY RENOVATIONS**  
**MONTGOMERY COLLEGE - TAKOMA PARK, MD**  
7600 TAKOMA AVENUE  
TAKOMA PARK, MD 20912  
PARCEL 3

**DRAINAGE BASIN SLIGO CREEK / MINI BASIN 06-017**  
**WHEATON ELECTION DISTRICT #13**  
**MONTGOMERY COUNTY, MARYLAND**



**GENERAL NOTES**

- The applicant shall obtain a Site Utility Permit (SU projects) prior to construction.
- All construction shall be in conformance with provisions of the Washington Suburban Sanitary Commission General Conditions and Standard Specifications, Standard Details for Construction, Development Services Code, Plumbing and Fuel Gas Code and these approved plans.
- Water pipe ductile iron class 54 minimum with zinc coating and V-Bio polyethylene encasement.
- Sewer pipe PVC ASTM D3034.
- Notify the WSSC Contract Manager 48 hours prior to retrieving water meters. Contract Manager will schedule final meter reading.
- Prior to beginning work on service connection obtain a Service Connection Permit (SCP). To schedule inspection of service connection call (301) 206-8385.
- Coordinate with Maryland Transit Administration for work in vicinity of the Purple Line.
- The pressure in the water may be lower than 40 psi at invert elevations greater than 338.6 feet. The pressure in the water main may be lower than 25 psi at invert elevations greater than 373.0 feet.
- Water mains shall be hydrostatically tested per specification section 02510. The test pressure shall be 200 psi for the duration of 2 hours and shall show no sign of leakage.

**BLOCKING NOTES**

- Restrain 6" W/C and 6" W from 10"x6" T at sta. 0+00 to the 6" Cap at sta. 0+59.

**EROSION AND SEDIMENT CONTROL NOTES**

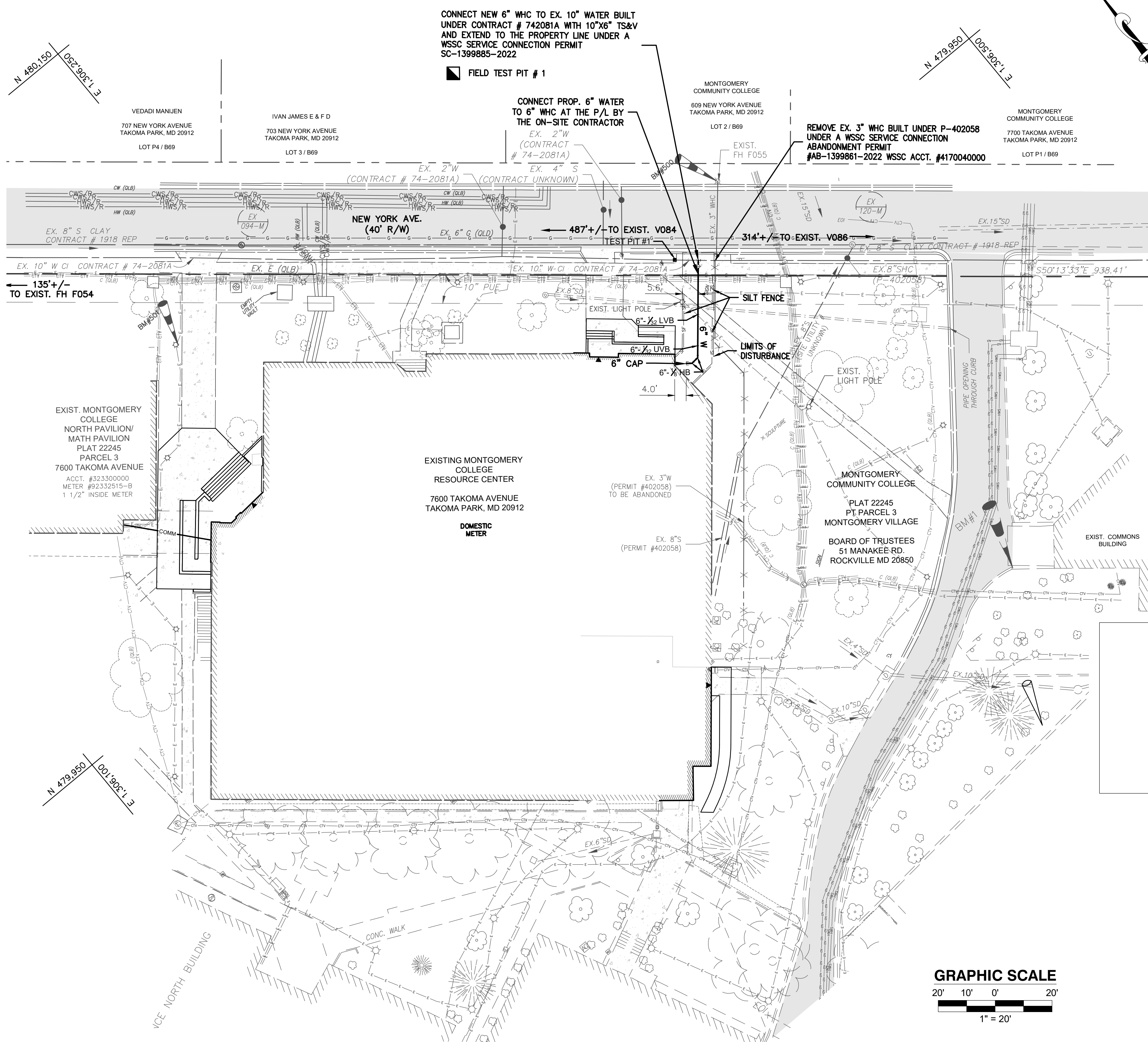
- WSSC Erosion & Sediment Control Permit # SU-4040-2022 issued
- contact WSSC Environmental Programs Unit 48 hours prior to utility installation at (301) 206-8075.

**SEWAGE FLOW TABULATION**

| Units   | Type     | Flow Factor | Flow |
|---|----------|-------------|------|
| Montgomery College Resource Center - No new flows generated under this contract | Existing |             |      |

**SEDIMENT CONTROL NOTES**

- CONTACT WSSC ENVIRONMENTAL PROGRAMS SECTION AT (301)206-8077, 48 HOURS PRIOR TO STARTING ANY UTILITY WORK UNDER THIS CONTRACT.
- ANY GROUND WATER OR SURFACE WATER PUMPED DURING THIS PROJECT SHOULD BE DISCHARGED THROUGH AN APPROVED DE-WATERING DEVICE. SEE STANDARD DETAIL SC/15.0, SC/15.1.
- STREETS AND PAVED WALKWAYS SHALL BE BROOM SWEEP DAILY.
- INSTALL CURB INLET OR AT-GRADE INLET PROTECTION AS NEEDED OR AS DIRECTED BY WSSC ENVIRONMENTAL STAFF. SEE STANDARD DETAIL SC/16.0, SC/16.1.
- PLACE SILT FENCE PER STANDARD DETAIL SC/1.0 ALONG LOW SIDE OF EXCAVATED AREA WHEN WORKING IN NON-PAVED AREAS OR AS SHOWN ON PLANS, OR AS DIRECTED BY WSSC ENVIRONMENTAL STAFF IN THE FIELD. CONTRACTOR SHALL PROVIDE DAILY TEMPORARY STABILIZATION FOR ALL DISTURBED NON-PAVED AREAS.
- ANY EXCAVATED OR STOCKPILED MATERIAL LEFT OVERNIGHT SHALL BE COVERED WITH AN IMPERMEABLE (PLASTIC) MATERIAL. PROVIDE SEDIMENT CONTROL FOR ALL OFFSITE STAGING / STOCKPILE AREAS.
- WHEN WORKING IN PAVED SURFACES, PLACE EXCAVATED MATERIAL ON HIGH SIDE TRENCH.
- ANY SLURRY GENERATED BY PAVEMENT SAW CUTTING SHALL BE CONTAINED BY THE CONTRACTOR TO PREVENT SLURRY FROM ENTERING THE EXISTING STORM DRAIN SYSTEM OR WATERWAY BY USING APPROVED METHODS, DEVICES, OR AS DIRECTED BY THE WSSC ENVIRONMENTAL STAFF. CONTRACTOR SHALL PROPERLY REMOVE AND DISPOSE OF CONTAINED SLURRY AT THE END OF EACH WORKDAY.
- FOR AREAS WITHIN THE LIMIT OF DISTURBANCE WHICH DO NOT DRAIN TO AN APPROVED EROSION AND SEDIMENT CONTROL MEASURE AND/OR WHERE THE INSTALLATION OF CONTROLS IS NOT FEASIBLE (ROADWAY, SIDEWALK, ETC.), CONTRACTOR SHALL ONLY DISTURB AREA WHICH CAN BE COMPLETED AND STABILIZED BY THE END OF EACH WORKING DAY. STABILIZATION SHALL BE AS FOLLOWS:
  - FOR AREAS TO BE PAVED: STONE BASE SHALL BE APPLIED.
  - FOR AREAS TO BE VEGETATIVELY STABILIZED:
    - PERMANENT SEED AND SOIL STABILIZATION MATTING FOR SOD FOR ALL STEEP SLOPES, CHANNELS, OR SWALES.
    - PERMANENT SEED AND MULCH FOR ALL OTHER AREAS. ANY AREAS WHICH CAN NOT BE STABILIZED BY THE END OF EACH WORKING DAY MUST HAVE SILT FENCE SC/1.0 INSTALLED ON THE DOWN SLOPE SIDE.



**APPROVAL DATE REVISIONS**

| APPROVAL | DATE | REVISIONS |
|----------|------|-----------|
|          |      |           |

**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.

NAME, P.E. MICHAEL C. WYCHULIS, P.E.  
EMAIL ADDRESS: MWYCHULIS@AMTENGINEERING.COM  
LICENSE NO. 32561 EXPIRATION DATE: 01/08/24

**ENGINEER**

NAME: A. MORTON THOMAS & ASSOCIATES, INC.  
ADDRESS: 700 KING FARM BLVD., 3RD FL., ROCKVILLE, MD 20850  
REGISTRATION NO. 47976  
PHONE: (301) 881-2545  
CONTACT: MIKE WYCHULIS  
EMAIL: MWYCHULIS@AMTENGINEERING.COM

**APPLICANT**

NAME: MONTGOMERY COLLEGE  
ADDRESS: 9221 CORPORATE BLVD., ROCKVILLE, MD 20850  
PHONE: (240) 567-9141  
CONTACT: MARVIN D. MILLS, JR.  
EMAIL: MARVIN.MILLS@MONTGOMERYCOLLEGE.EDU

|    |   |
|----|---|
| NO | 1 |
| OF | 3 |

**WSSC Erosion and Sediment Control Approval Note**

This plan has been approved per requirements in the Standard Procedures of the WSSC Regulations for Utility Erosion and Sediment Control, Section V, Paragraph A.

Reviewed by: \_\_\_\_\_  
Date: \_\_\_\_\_ Plan No. SU-4040-2022

**PIPE SCHEDULE**

| TYPE             | LENGTH |
|------------------|--------|
| Private          |        |
| House Connection |        |
| Water            | 34' 5' |
| Sewer            |        |

**SERVICE CATEGORIES**

| W - 1 | S - 1 |
|-------|-------|
|       |       |

**HYDRAULIC GRADES**

|      | 500 | 431 |
|------|-----|-----|
| HIGH |     |     |
| LOW  |     |     |

**Revisions**

| No. | Description | Date |
|-----|-------------|------|
|     |             |      |

Location Map

Checked By: MCW Approved By: MCW  
Project Number: 21-0437.001  
Project Title  
**MC/ TAKOMA PARK - LIBRARY RENOVATION**  
**RC BLD. #306, PF19-162T**

Drawing Title  
**SITE UTILITY PLAN**

Date: 11-02-2022  
**CU-101**



Notes:



A. MORTON THOMAS AND ASSOCIATES, INC.  
CONSULTING ENGINEERS  
700 KING FARM BOULEVARD, 3RD FLOOR  
ROCKVILLE, MD 20850  
PHONE (301) 881-2545 FAX (301) 881-0814  
EMAIL: AMT1@AMTENGINEERING.COM

**RRMM Architects, PC**  
2900 South Quincy Street, Suite 710  
Arlington, VA 22206  
703 998 0101 rrrmm.com

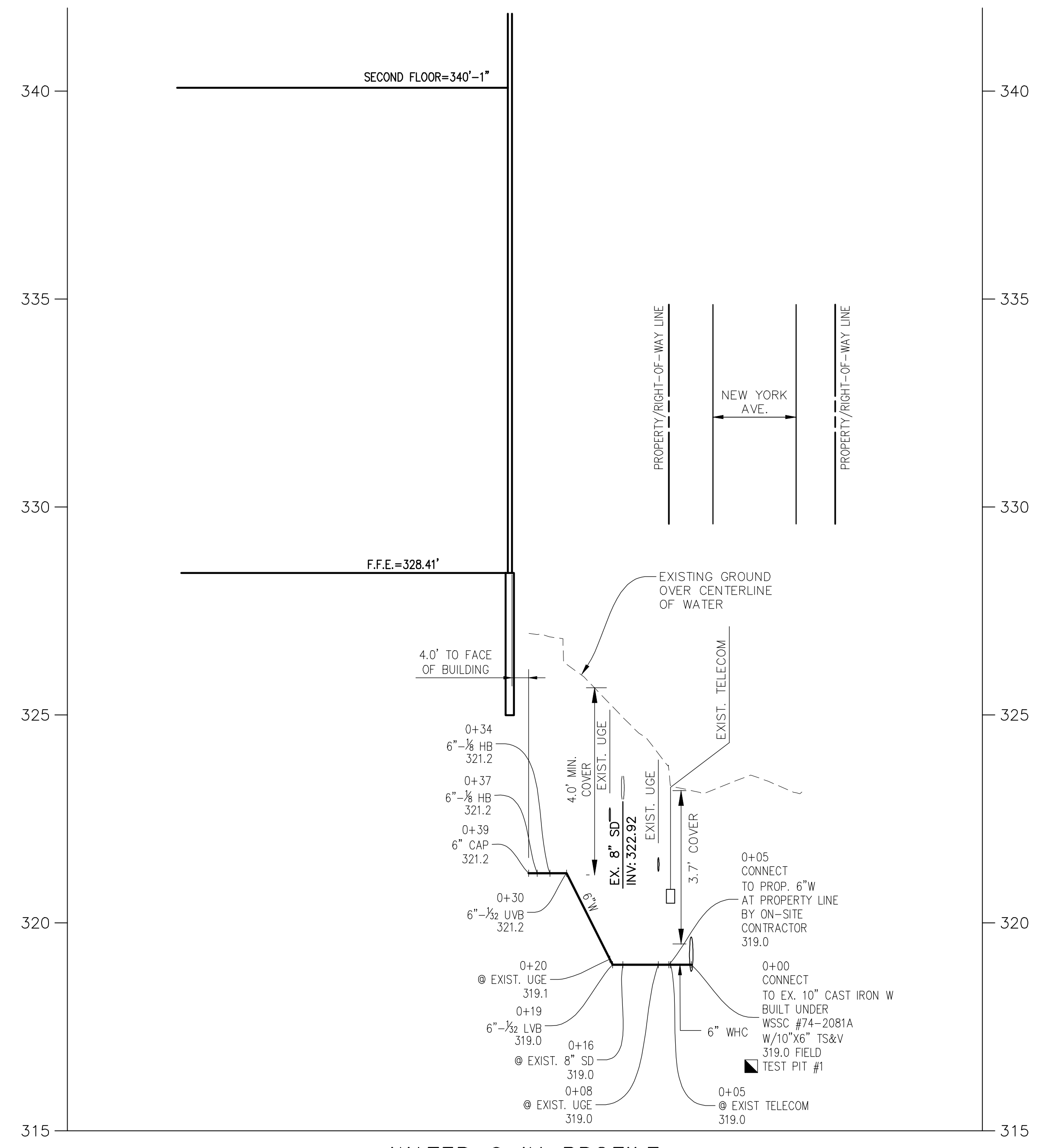
| Revisions |             |      |
|-----------|-------------|------|
| No.       | Description | Date |
|           |             |      |
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Location Map

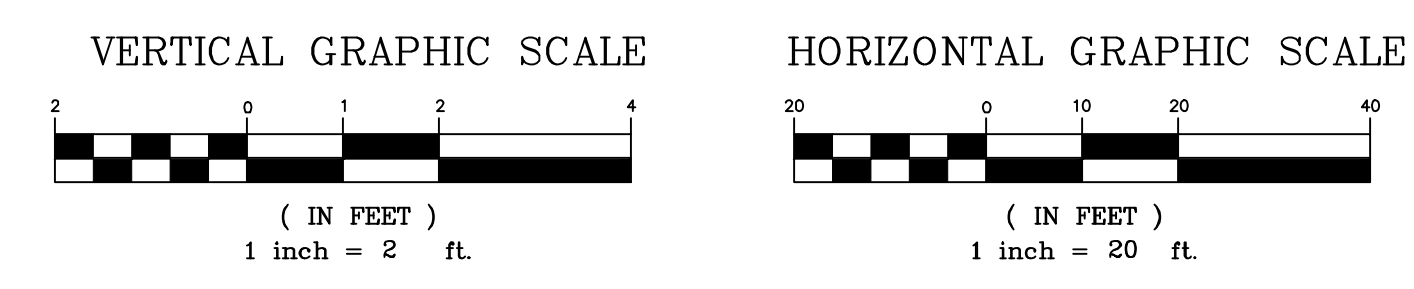
|   |     |              |     |
|---|-----|--------------|-----|
| Checked By:                                 | MCW | Approved By: | MCW |
| Project Number: 21-0437.001                 |     |              |     |
| Project Title                               |     |              |     |
| <b>MC/ TAKOMA PARK - LIBRARY RENOVATION</b> |     |              |     |
| RC BLD. #306, PF19-162T                     |     |              |     |
| Drawing Title                               |     |              |     |
| <b>SITE UTILITY PROFILES</b>                |     |              |     |
| Date: 11-02-2022                            |     |              |     |

**CU-102**

| WASHINGTON SUBURBAN SANITARY COMMISSION<br>HYDRAULIC INFORMATION SHEET  |        |   |              |                                |        |     |                       |        |     |                     |        |     |
|---|--------|---|--------------|--------------------------------|--------|-----|-----------------------|--------|-----|---------------------|--------|-----|
| SITE UTILITY NO.: SU-4040-2022  |        | 200' SHEET NO.: 209 NW 01                     |              |                                |        |     |                       |        |     |                     |        |     |
| <b>PART 1 - INFORMATION PROVIDED BY THE APPLICANT</b>   |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| <p><small>The information provided by the WSSC represents the normal operating conditions expected in the water system. A specific flow and pressure are not guaranteed to be delivered.</small></p>  |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| PARCEL  | BLOCK  | SUBDIVISION                                   | TOWN         |                                |        |     |                       |        |     |                     |        |     |
| 3   |        | Montgomery College                            | TAKOMA PARK  |                                |        |     |                       |        |     |                     |        |     |
| BUILDING ADDRESS (HOUSE NO., STREET NAME)   |        | NO. OF STORIES                                | DATE         |                                |        |     |                       |        |     |                     |        |     |
| Math and Science Building - 7600 TAKOMA AVENUE  |        | 2   | 07/13/22     |                                |        |     |                       |        |     |                     |        |     |
| TYPE STRUCTURE (STORE, DWELLING, ETC.)  |        | COUNTY  | PHONE        |                                |        |     |                       |        |     |                     |        |     |
| BUILDING  |        | MONT.   | 240-567-9141 |                                |        |     |                       |        |     |                     |        |     |
| SPECIFIC USE  |        | NAME OF COMPANY                               |              |                                |        |     |                       |        |     |                     |        |     |
| COMMUNITY COLLEGE   |        | Montgomery College                            |              |                                |        |     |                       |        |     |                     |        |     |
|   |        | ADDRESS OF COMPANY                            |              |                                |        |     |                       |        |     |                     |        |     |
|   |        | 8221 Corporate Boulevard, Rockville, MD 20850 |              |                                |        |     |                       |        |     |                     |        |     |
| <table border="0"> <tr><td>INVERT ELEVATION OF WSSC MAIN*</td><td>318.83</td><td>ft.</td></tr> <tr><td>FIRST FLOOR ELEVATION</td><td>328.41</td><td>ft.</td></tr> <tr><td>TOP FLOOR ELEVATION</td><td>340.08</td><td>ft.</td></tr> </table> |        |   |              | INVERT ELEVATION OF WSSC MAIN* | 318.83 | ft. | FIRST FLOOR ELEVATION | 328.41 | ft. | TOP FLOOR ELEVATION | 340.08 | ft. |
| INVERT ELEVATION OF WSSC MAIN*  | 318.83 | ft.   |              |                                |        |     |                       |        |     |                     |        |     |
| FIRST FLOOR ELEVATION   | 328.41 | ft.   |              |                                |        |     |                       |        |     |                     |        |     |
| TOP FLOOR ELEVATION   | 340.08 | ft.   |              |                                |        |     |                       |        |     |                     |        |     |
| <b>DOMESTIC FLOW</b>  |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| PEAK FLOW   | 101    | gpm   |              |                                |        |     |                       |        |     |                     |        |     |
| <b>FIRE SPRINKLER SYSTEM</b>  |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| REQUIRED FLOW   | 500    | gpm   |              |                                |        |     |                       |        |     |                     |        |     |
| ELEVATION OF HIGHEST SPRINKLER HEAD   | 361.5  | ft.   |              |                                |        |     |                       |        |     |                     |        |     |
| <b>SITE UTILITY FIRE HYDRANT SYSTEM</b>   |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| REQUIRED FLOW AT LAST FIRE HYDRANT  | 500    | gpm   |              |                                |        |     |                       |        |     |                     |        |     |
| ELEVATION OF LAST FIRE HYDRANT  | 336.5  | ft.   |              |                                |        |     |                       |        |     |                     |        |     |
| REQUIRED FLOW AT ADJACENT FIRE HYDRANT  | 1000   | gpm   |              |                                |        |     |                       |        |     |                     |        |     |
| ELEVATION OF ADJACENT FIRE HYDRANT  | 323.9  | ft.   |              |                                |        |     |                       |        |     |                     |        |     |
| <b>FIRE STANDPIPE SYSTEM</b>  |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| REQUIRED FLOW   | N/A    | gpm   |              |                                |        |     |                       |        |     |                     |        |     |
| ELEVATION OF TOP OUTLET   | N/A    | ft.   |              |                                |        |     |                       |        |     |                     |        |     |
| <b>PART 2 - INFORMATION PROVIDED BY WSSC**</b>  |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| LOW DOMESTIC PRESSURE*  |        | psi   |              |                                |        |     |                       |        |     |                     |        |     |
| HIGH PRESSURE*  |        | psi   |              |                                |        |     |                       |        |     |                     |        |     |
| LOW PRESSURE WITH FIRE FLOW OF 1500-GPM*  |        | psi   |              |                                |        |     |                       |        |     |                     |        |     |
| LOW PRESSURE WITH THE REQUESTED SPRINKLER FLOW*   |        | psi   |              |                                |        |     |                       |        |     |                     |        |     |
| LOW PRESSURE WITH THE REQUESTED FIRE STANDPIPE FLOW*  |        | psi   |              |                                |        |     |                       |        |     |                     |        |     |
| *AT THE POINT OF CONNECTION   |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| **EXPIRES WITH THE ASSOCIATED SITE UTILITY PLAN (3 YEARS FROM SITE UTILITY APPROVAL DATE)   |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| THIS COMPLETED DOCUMENT SHALL BE DELIVERED TO THE APPROPRIATE COUNTY BUILDING OFFICIAL IN CONJUNCTION WITH THE BUILDING PERMIT APPLICATION.   |        |   |              |                                |        |     |                       |        |     |                     |        |     |
| E:\LIBRARY\5-SITE UTILITY FORMS\EXTERNAL\HYDRAULIC INFORMATION SHEET.doc  |        | Revised 3-2-16                                |              |                                |        |     |                       |        |     |                     |        |     |



**WATER 6 IN PROFILE**  
SCALE: H 1"=20'  
V 1"=2'



**SU-4040-2022  
SITE UTILITY  
WATER AND SEWER PLAN**

**RESOURCE CENTER  
LIBRARY RENOVATIONS  
MONTGOMERY COLLEGE - TAKOMA PARK, MD**  
7600 TAKOMA AVENUE  
TAKOMA PARK, MD 20912  
PARCEL 3

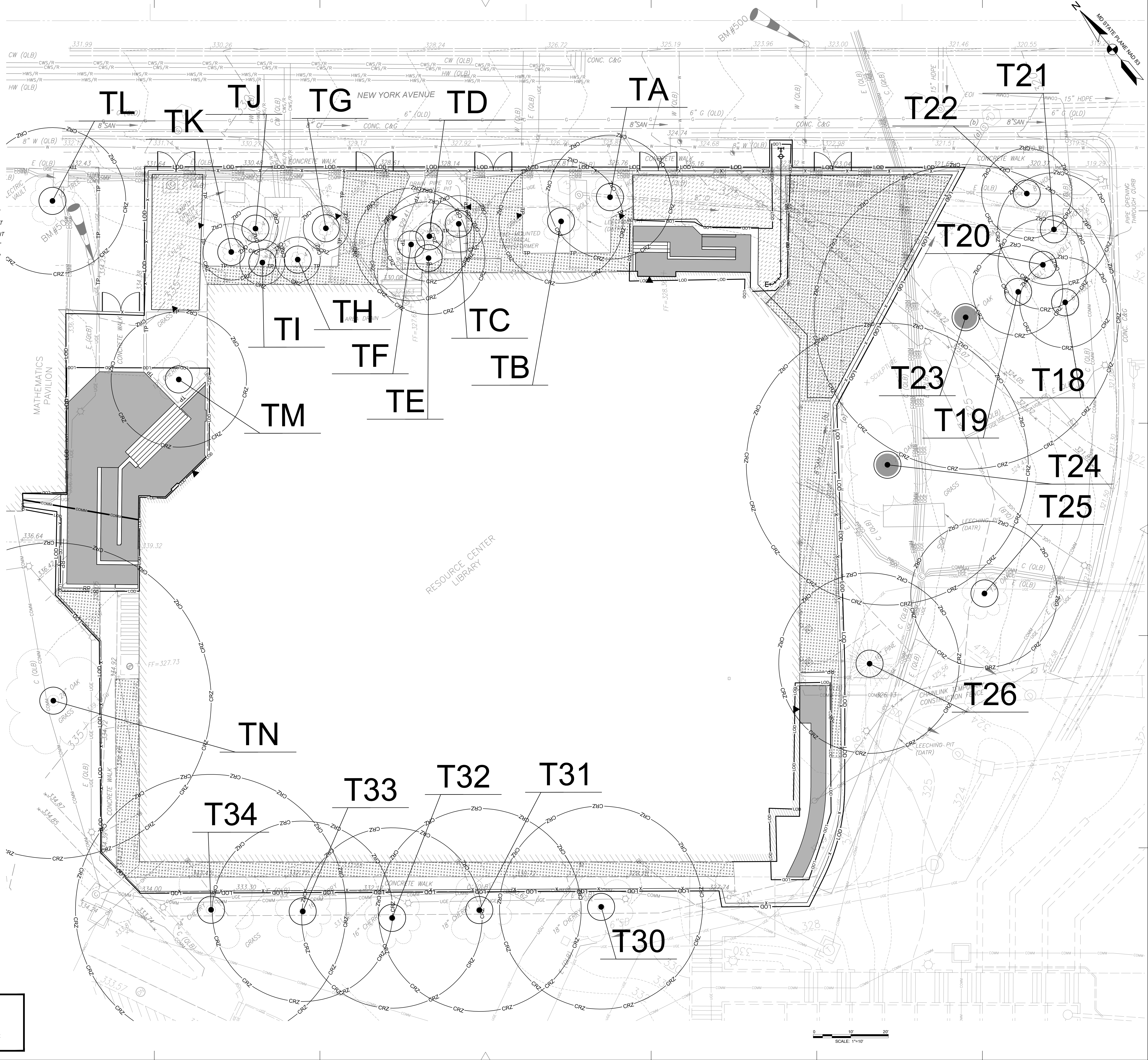
**DRAINAGE BASIN SLIGO CREEK / MINI BASIN 06-017  
WHEATON ELECTION DISTRICT #13  
MONTGOMERY COUNTY, MARYLAND**

| APPROVAL | DATE | REVISIONS | PROFESSIONAL CERTIFICATION  | ENGINEER  | APPLICANT   |
|----------|------|-----------|---|---|---|
|          |      |           | 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. | NAME: A. MORTON THOMAS & ASSOCIATES, INC.<br>ADDRESS: 700 KING FARM BLVD., 3RD FL., ROCKVILLE, MD 20850<br>REGISTRATION NO. 47976<br>PHONE: (301) 881-2545<br>CONTACT: MIKE WYCHULIS<br>EMAIL: MWYCHULIS@AMTENGINEERING.COM | NAME: MONTGOMERY COLLEGE<br>ADDRESS: 9221 CORPORATE BLVD., ROCKVILLE, MD 20850<br>PHONE: (240) 567-9141<br>CONTACT: MARVIN D. MILLS, JR.<br>EMAIL: MARVIN.MILLS@MONTGOMERYCOLLEGE.EDU |
|          |      |           | NAME, P.E.: MICHAEL C. WYCHULIS, P.E.<br>EMAIL ADDRESS: MWYCHULIS@AMTENGINEERING.COM<br>LICENSE NO.: 32561 EXPIRATION DATE: 01/06/24                                |   | 200' SHEET NO. 209NW01<br>NO 2<br>OF 3  |



**TREE PROTECTION LEGEND:**

- ROOF DRAIN
- YARD DRAIN
- DRAINAGE MANHOLE
- SEWER MANHOLE
- LAMP
- POWER POLE
- ELECTRIC MANHOLE
- AIR CONDITIONING UNIT
- TRASH CAN
- FIRE HYDRANT
- WATER VALVE
- TELEPHONE MANHOLE
- EMERGENCY CALL BOX
- SINGLE POST SIGN
- TRAVERSE
- BENCHMARK
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE
- UNDERGROUND ELECTRIC PAINT
- UNDERGROUND UNKNOWN PAINT
- UNDERGROUND WATERLINE PAINT
- UNDERGROUND GAS LINE PAINT
- UNDERGROUND COMMUNICATION LINE PAINT
- UNDERGROUND CW S/R PAINT
- UNDERGROUND HW S/R PAINT
- CHAINLINK FENCE
- RAILING
- END OF (OLB) INFORMATION
- BUILDING OVERHANG
- BUILDING
- LIMIT OF DISTURBANCE
- HOT WATER RETURN PIPE (3" DIA.)
- HOT WATER SERVICE PIPE (3" DIA.)
- CHILLED WATER RETURN PIPE (4" DIA.)
- CHILLED WATER SERVICE PIPE (4" DIA.)
- CONSTRUCTION FENCE
- CONSTRUCTION GATE
- MATERIAL LAY DOWN
- TREE PROTECTION FENCE
- ROOT PRUNING
- TREE PROTECTION SIGN
- MULCH MAT



THIS PLAN IS FOR TREE PROTECTION ONLY

**811 MISS UTILITY**  
 48 HOURS BEFORE YOU DIG  
 CALL "MISS UTILITY" AT 811  
 OR LOG ON TO [www.missutility.net](http://www.missutility.net)  
 Know what's below. Call before you dig.

**MC MONTGOMERY COLLEGE**  
 Central Services  
 Office of Facilities & Public Safety  
 9221 Corporate Blvd.  
 Rockville, MD 20850

**AMT**  
 A. MORTON THOMAS AND ASSOCIATES, INC.  
 CONSULTING ENGINEERS  
 700 KING FARM BOULEVARD, 3RD FLOOR  
 ROCKVILLE, MD 20850  
 PHONE (301) 881-2645 | FAX (301) 881-0814  
 EMAIL: [AMT1@AMTENGINEERING.COM](mailto:AMT1@AMTENGINEERING.COM)

**RRMM Architects, PC**  
 2900 South Quincy Street, Suite 710  
 Arlington, VA 22206  
 703 998 0101 [rrmm.com](http://rrmm.com)

| Revisions |             |      |
|-----------|-------------|------|
| No.       | Description | Date |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |
|           |             |      |

Location Map

2022-11-18

Checked By: MCW Approved By: MCW  
 Project Number: 21-0437.001  
 Project Title  
**MC/ TAKOMA PARK - LIBRARY RENOVATION**  
 RC BLD. #306, PF19-162T  
 Drawing Title  
**TREE PROTECTION PLAN**

Date: 11-02-2022 **TP-101**

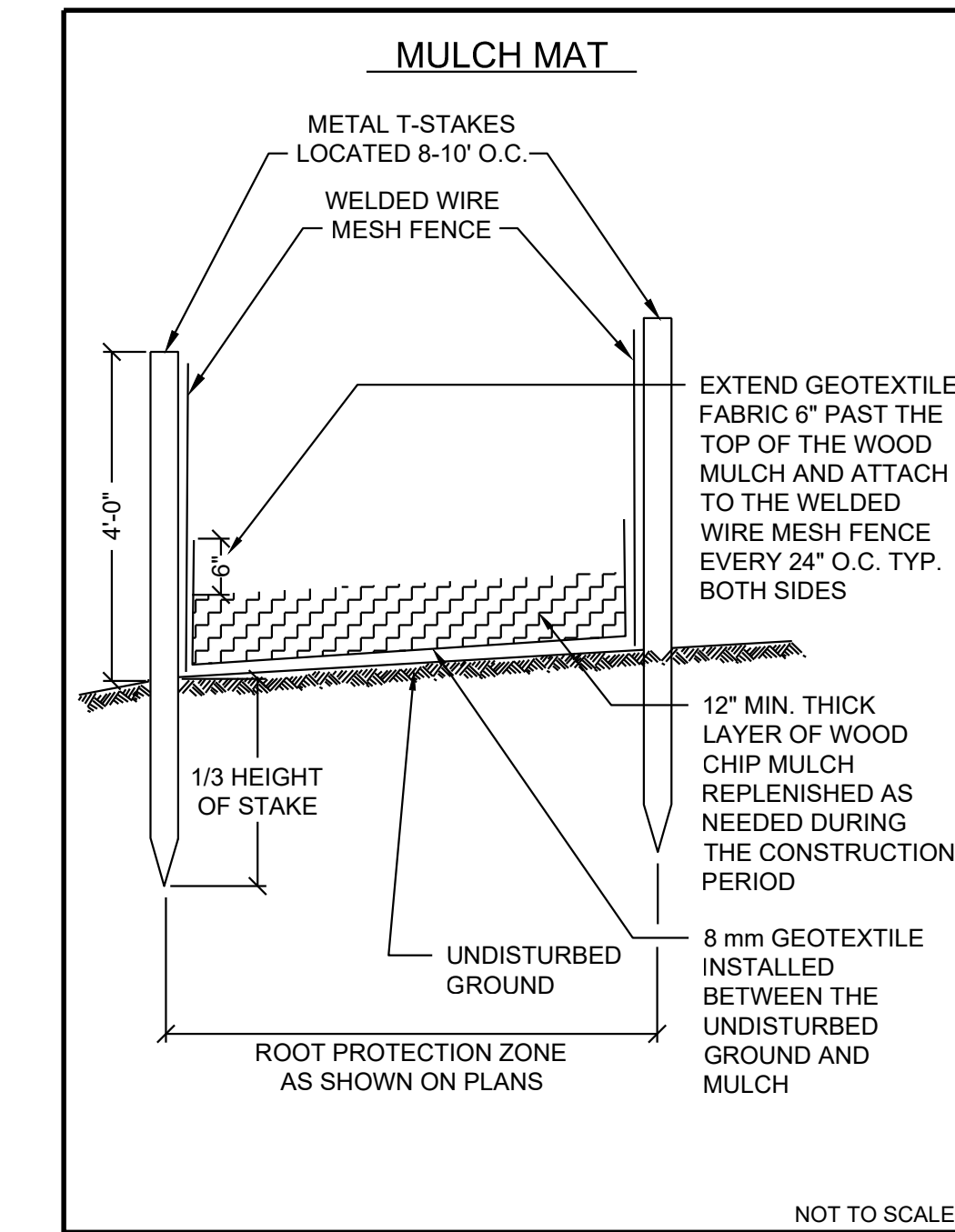
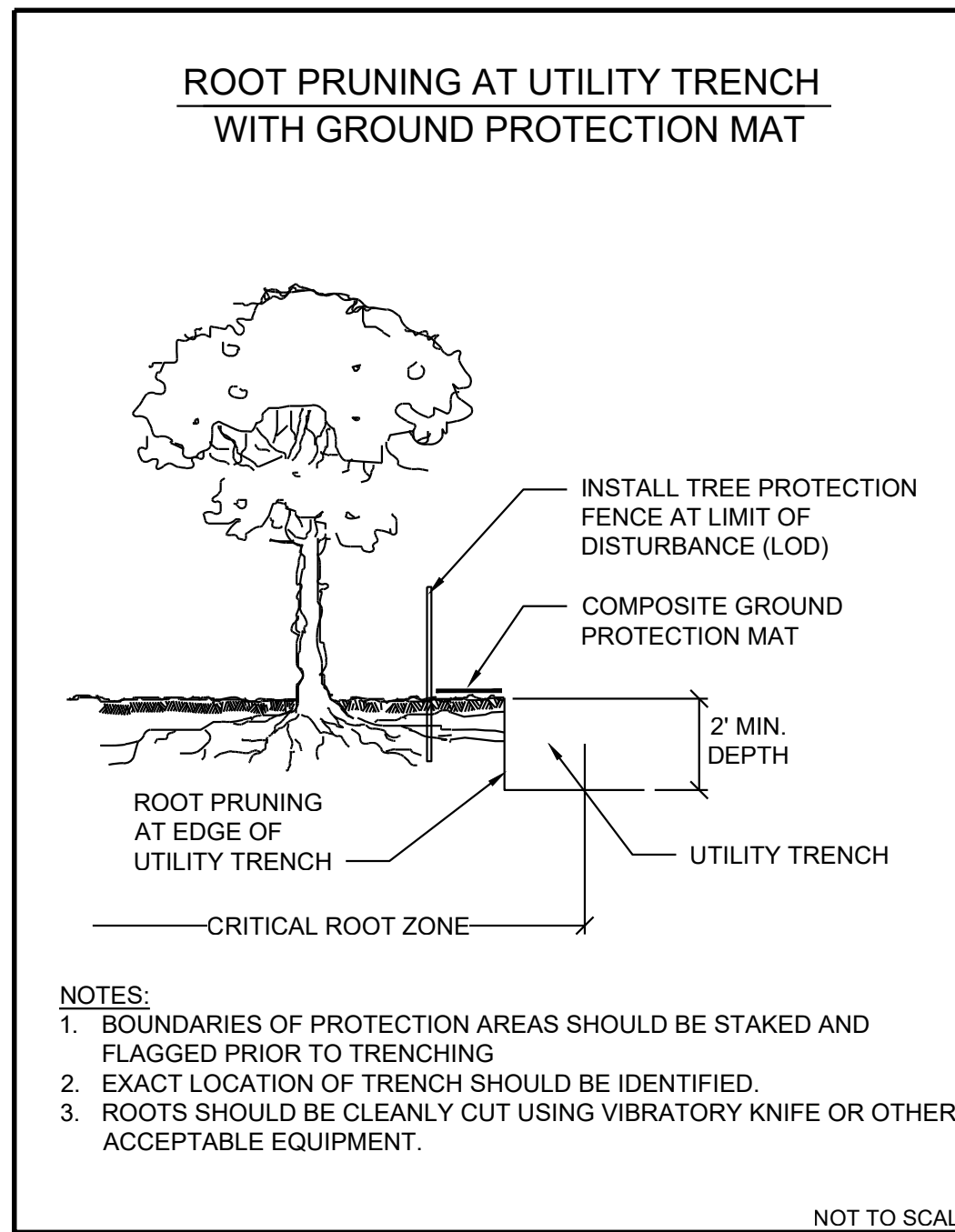
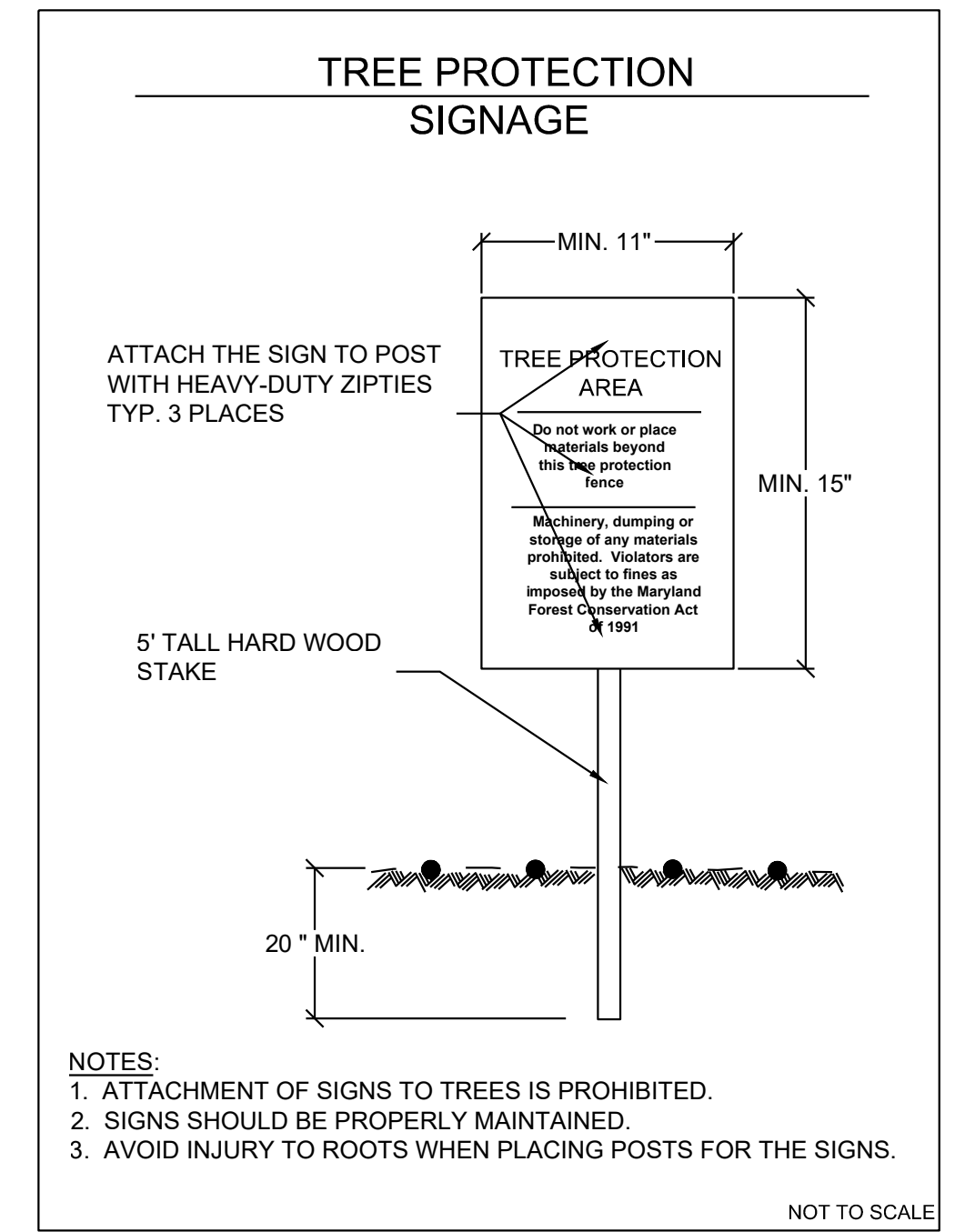
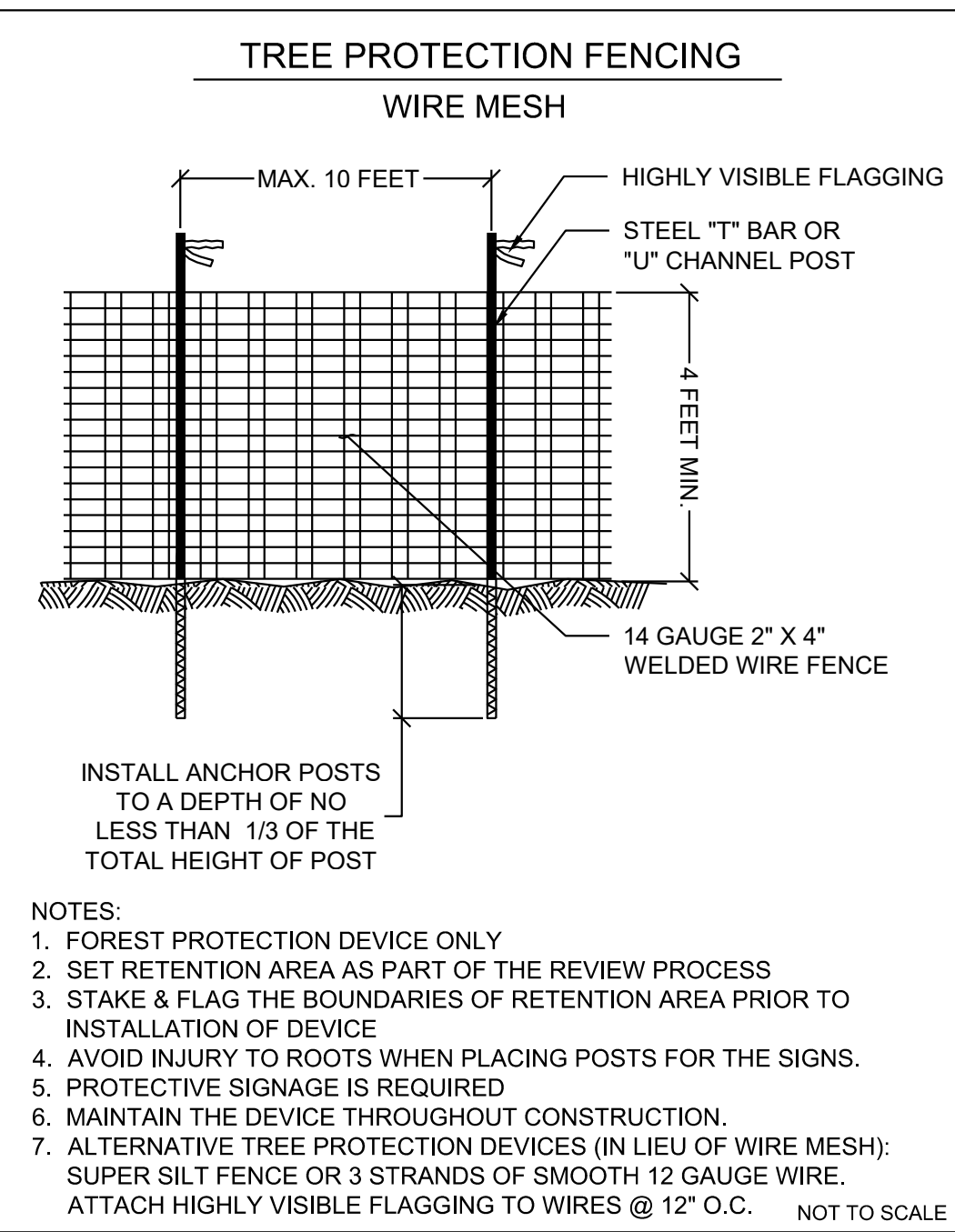
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Notes:

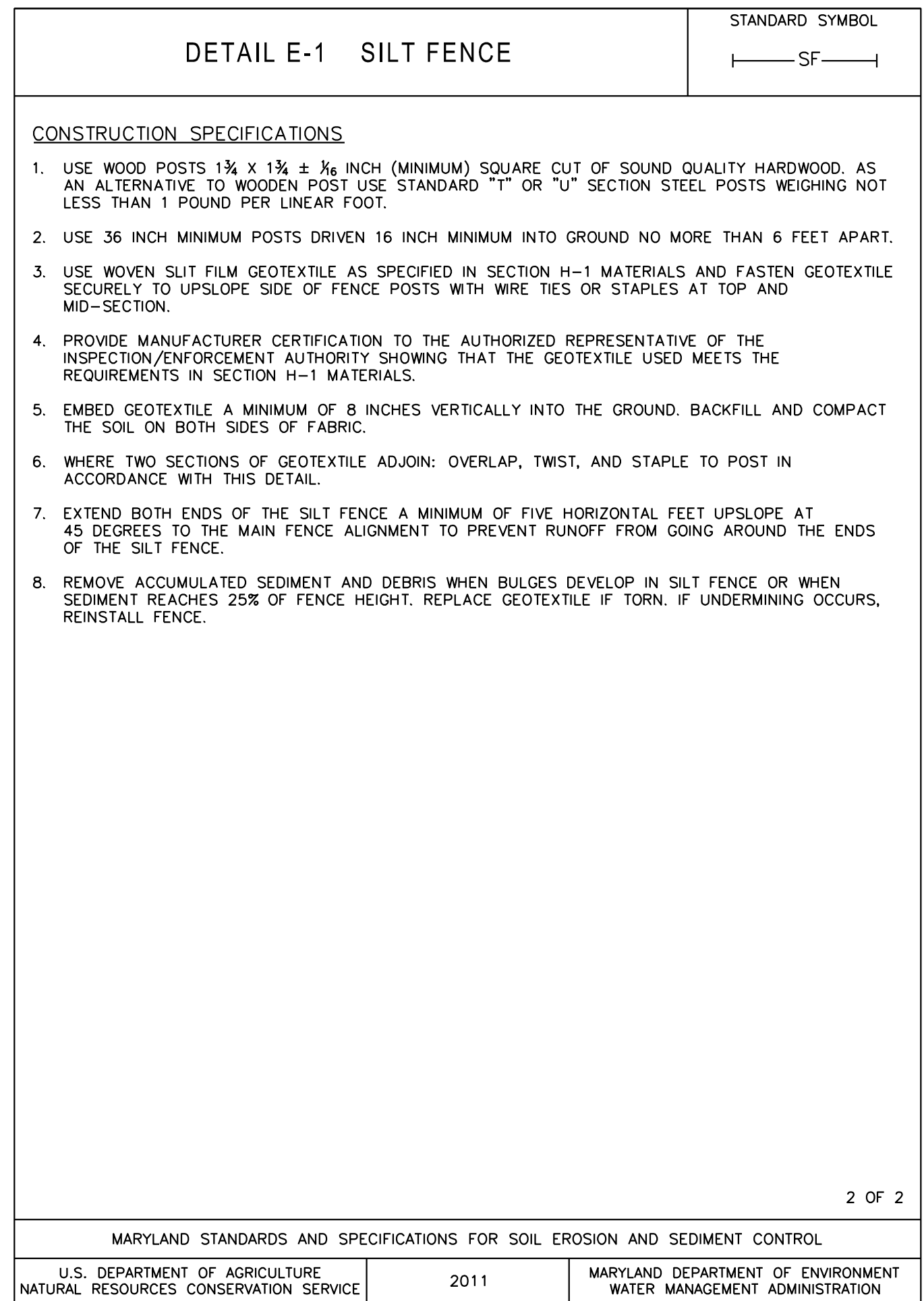
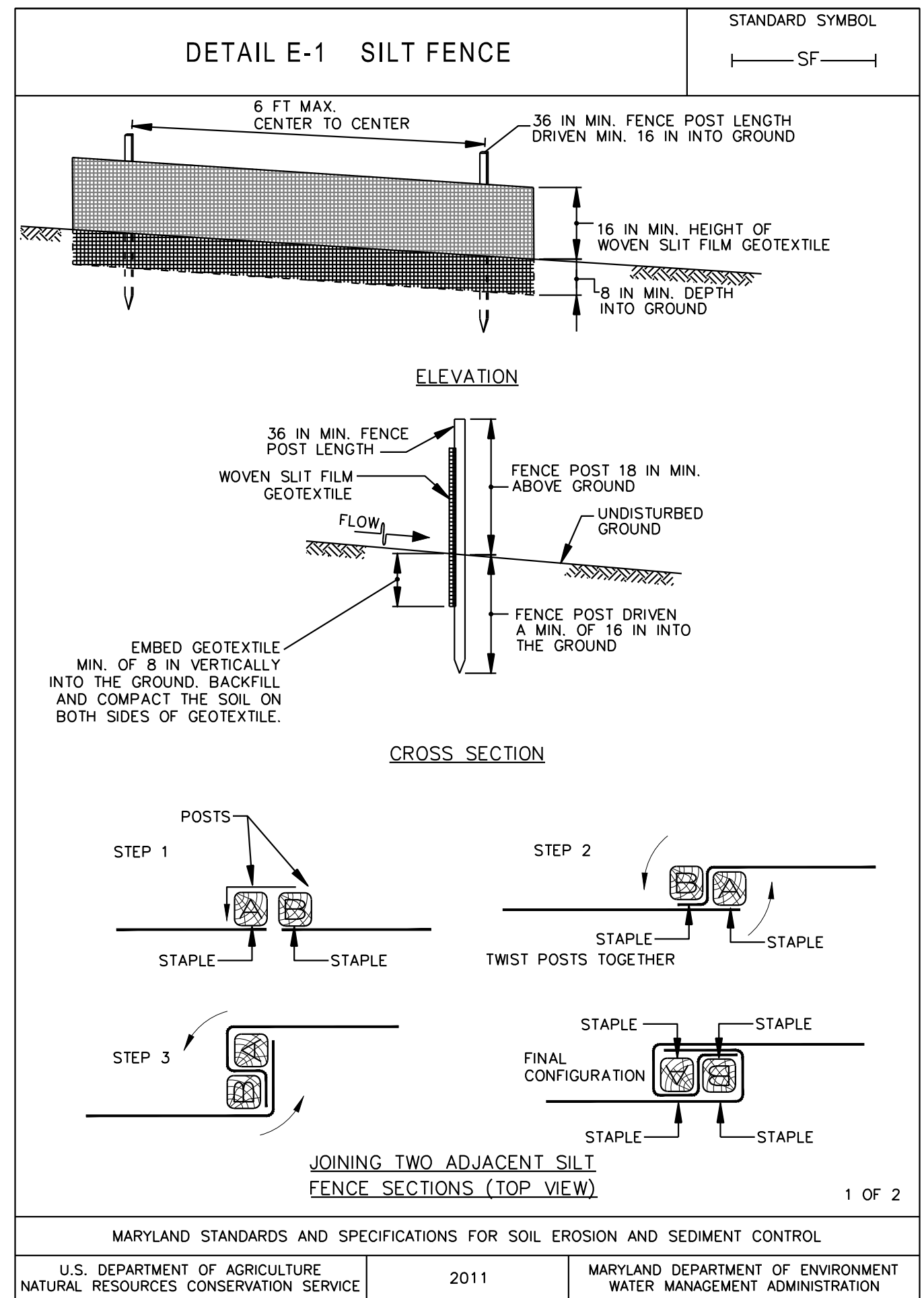
**TREE PROTECTION NOTES**

- MULCH MAT IS REQUIRED AS NOTED, WHERE ANY FOOT OR VEHICLE TRAFFIC, OR MATERIAL STORAGE OCCURS.
- NO CONSTRUCTION EQUIPMENT PARKING, MATERIALS STORAGE, FOOT TRAFFIC, OR VEHICULAR TRAFFIC IS ALLOWED INSIDE OF TREE PROTECTION AREAS.
- ROOT PRUNE AS NOTED ON PLANS. CUT ROOTS WITH SHARP, CLEAN PRUNING INSTRUMENTS; DO NOT PULL, TEAR, BREAK OR CHOP. INSTALL COMPOSITE GROUND PROTECTION MATTING IN ROOT PROTECTION ZONE TO PROTECT REMAINING ROOTS INSIDE THE LIMIT OF DISTURBANCE. AFTER CONSTRUCTION IS COMPLETE, OWNER'S HORTICULTURE STAFF SHOULD MONITOR THE TREE FOR HEALTH, VIABILITY, AND VIGOR. FUTURE CORRECTIVE MEASURES AND PRESERVATION TREATMENTS SHOULD BE IMPLEMENTED AS DETERMINED BY OWNER'S HORTICULTURE STAFF.



**REFERENCE NOTES SCHEDULE**

| SYMBOL | DESCRIPTION                         | QTY      | DETAIL |
|--------|-------------------------------------|----------|--------|
| 1      | CONSTRUCTION FENCE                  | 817 LF   |        |
| 2      | CONSTRUCTION GATE                   | 6        |        |
| SYMBOL | DESCRIPTION                         | QTY      | DETAIL |
| 3      | MATERIAL LAY DOWN                   | 2,706 SF |        |
| 4      | TREE PROTECTION FENCING             | 373 LF   |        |
| 5      | ROOT PRUNING                        | 134 LF   |        |
| 6      | MULCH MAT (TREE PROTECTION NOTE #1) | 4,576 SF |        |
| 7      | TREE PRESERVATION SIGN              | 7        |        |



**TREE TABLE**

| NO. | COMMON NAME               | SCIENTIFIC NAME                    | D.B.H. (INCHES) | CRITICAL ROOT ZONE (SQ. FT.) | CONDITION RATING | CONDITION COMMENTS | PRESERVE/REMOVE |
|-----|---------------------------|------------------------------------|-----------------|------------------------------|------------------|--------------------|-----------------|
| T18 | American holly            | <i>Ilex opaca</i>                  | 7               | 346                          | GOOD/AVG.        | Crowded canopy     | PRESERVE        |
| T19 | American holly            | <i>Ilex opaca</i>                  | 6.5             | 299                          | GOOD/AVG.        | Crowded canopy     | PRESERVE        |
| T20 | American holly            | <i>Ilex opaca</i>                  | 8               | 452                          | GOOD/AVG.        | Crowded canopy     | PRESERVE        |
| T21 | American holly            | <i>Ilex opaca</i>                  | 9               | 573                          | GOOD/AVG.        | Crowded canopy     | PRESERVE        |
| T22 | American holly            | <i>Ilex opaca</i>                  | 8.5             | 511                          | GOOD/AVG.        | Crowded canopy     | PRESERVE        |
| T23 | White oak                 | <i>Quercus alba</i>                | 32              | 7238                         | GOOD/AVG.        | Some dieback       | PRESERVE        |
| T24 | White oak                 | <i>Quercus alba</i>                | 30              | 6362                         | GOOD/AVG.        | Some dieback       | PRESERVE        |
| T25 | Pin oak                   | <i>Quercus palustris</i>           | 14              | 1385                         | GOOD             |                    | PRESERVE        |
| T26 | Blue atlas cedar          | <i>Cedrus atlantica</i>            | 16.5            | 1924                         | AVG.             | Shaded crown       | PRESERVE        |
| T30 | Bradford pear             | <i>Pyrus calleryana 'Bradford'</i> | 22.5            | 3578                         | AVG.             | Dead branches      | PRESERVE        |
| T31 | Bradford pear             | <i>Pyrus calleryana 'Bradford'</i> | 21              | 3117                         | AVG.             | Dead branches      | PRESERVE        |
| T32 | Bradford pear             | <i>Pyrus calleryana 'Bradford'</i> | 19.5            | 2689                         | AVG.             | Dead branches      | PRESERVE        |
| T33 | Bradford pear             | <i>Pyrus calleryana 'Bradford'</i> | 20              | 2827                         | AVG.             | Dead branches      | PRESERVE        |
| T34 | Bradford pear             | <i>Pyrus calleryana 'Bradford'</i> | 24.5            | 4243                         | AVG.             | Dead branches      | PRESERVE        |
| TA  | Star magnolia             | <i>Magnolia stellata</i>           | 11              | 855                          | GOOD             | multi-trunk        | PRESERVE        |
| TB  | Star magnolia             | <i>Magnolia stellata</i>           | 11              | 855                          | GOOD             | multi-trunk        | PRESERVE        |
| TC  | Star magnolia             | <i>Magnolia stellata</i>           | 5               | 177                          | GOOD             |                    | PRESERVE        |
| TD  | Burford Holly             | <i>Ilex cornuta 'Burfordi'</i>     | 8               | 452                          | GOOD             |                    | PRESERVE        |
| TE  | Burford Holly             | <i>Ilex cornuta 'Burfordi'</i>     | 10              | 707                          | GOOD             |                    | PRESERVE        |
| TF  | Burford Holly             | <i>Ilex cornuta 'Burfordi'</i>     | 10              | 707                          | GOOD             |                    | PRESERVE        |
| TG  | Willow oak                | <i>Quercus phellos</i>             | 2               | 28                           | GOOD             |                    | PRESERVE        |
| TH  | American holly            | <i>Ilex opaca</i>                  | 4               | 113                          | GOOD             |                    | PRESERVE        |
| TI  | American holly            | <i>Ilex opaca</i>                  | 4               | 113                          | GOOD             |                    | PRESERVE        |
| TJ  | American holly            | <i>Ilex opaca</i>                  | 4               | 113                          | GOOD             |                    | PRESERVE        |
| TK  | American holly            | <i>Ilex opaca</i>                  | 5               | 177                          | GOOD             |                    | PRESERVE        |
| TL  | Ohio buckeye              | <i>Aesculus glabra</i>             | 14              | 1385                         | GOOD             |                    | PRESERVE        |
| TM  | Japanese flowering cherry | <i>Prunus serrulata</i>            | 12              | 1018                         | GOOD             |                    | PRESERVE        |
| TN  | Willow oak                | <i>Quercus phellos</i>             | 28              | 5542                         | GOOD             |                    | PRESERVE        |

**Revisions**

| No. | Description | Date |
|-----|-------------|------|
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Checked By: MCW Approved By: MCW  
Project Number: 21-0437.001  
Project Title

MC/ TAKOMA PARK - LIBRARY RENOVATION  
RC BLD. #306, PF19-162T

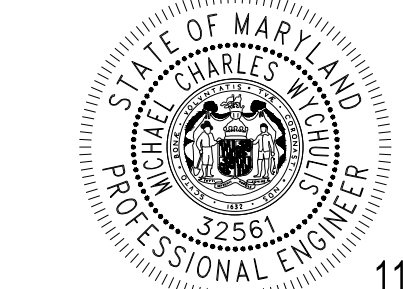
Drawing Title  
**TREE PROTECTION DETAILS & NOTES**

Date: 11-02-2022  
**TP-102**

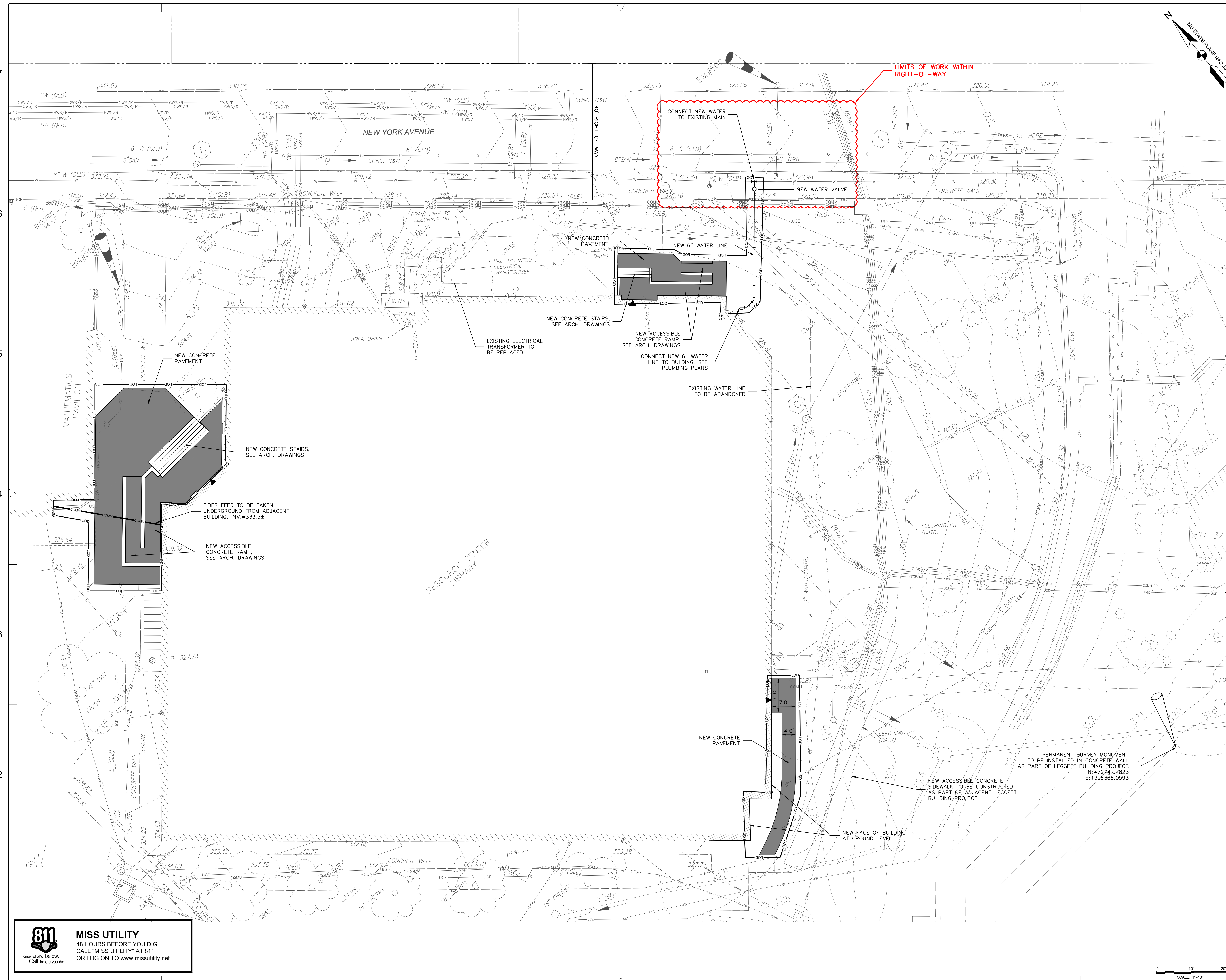




Notes:  
*Mich A.C. Wolfe*



11/02/2022  
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. 22961 EXPIRATION DATE 01-08-2024



| Revisions |             |      |
|-----------|-------------|------|
| No.       | Description | Date |
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Location Map

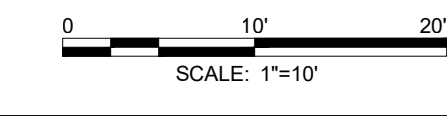
Checked By: MCW Approved By: MCW  
Project Number: 21-0437.001  
Project Title  
MC/ TAKOMA PARK - LIBRARY  
RENOVATION  
RC BLD. #306, PF19-162T  
Drawing Title  
SITE IMPROVEMENTS  
PLAN

Date: 11-02-2022

CS-101

X:\ROCKVILLE\21-0437.001 - MONTGOMERY COLLEGE TAKOMA PARK - LIBRARY\05-CAD\CS101-210437001.DWG, 11/2/2022 8:59 AM, MMYCHULIS

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H G F E D C B A





# Tree Protection Plan Permit Application Packet

**Application Fee: \$50**

First Submission

Resubmission

Submission Date: \_\_\_\_\_

Tree Impact Assessment  
Reference Number (W00, etc.): \_\_\_\_\_

*Official Use Only:*

**PROJECT PROPERTY OWNER** ( Note - Application must be signed and submitted by the property owner):

Project Address: \_\_\_\_\_

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Applicant Mailing Address

(if different from project address): \_\_\_\_\_

**PROJECT DETAILS:**

Will any Urban Forest Trees (> 24" circumference) need to be removed as part of this project?

No Yes

Will this project require a Takoma Park Storm Water Permit? (search 'Storm Water Permit' at takomaparkmd.gov)

No Yes Permit Number: \_\_\_\_\_

Will a Montgomery County Building Permit be required for this project? (see montgomerycountymd.gov/dps/)

No Yes Permit Number: \_\_\_\_\_

**CONTRACTOR / ARCHITECT / ARBORIST / AGENT** (Not required, but helpful when available):

1. Name/Company: \_\_\_\_\_ Project Role: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

2. Name/Company: \_\_\_\_\_ Project Role: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_



# Tree Protection Plan Permit Application

## The Tree Protection Plan Permit Process

1. Tree Protection Plan Permit applications should be submitted only after a Tree Impact Assessment has been requested and conducted. The Tree Impact Assessment should be requested early in your design process so that you can best account for tree impact concerns without risking costly redesigns.
2. Complete and **submit a Tree Protection Plan Permit Application** including the following:
  - A completed and signed copy of this application packet. Every item in the Tree Protection Checklist in this packet must be checked and addressed. **Refer closely to the Tree Protection Plan Manual**, found on the City of Takoma Park website or at the Public Works building, for guidance.
  - All supplementary documentation specified in the Tree Protection Plan Checklist including:
    - A **Tree Inventory** listing all urban forest trees in the vicinity of your project
    - A **project plan drawing** accurately depicting the extents of your project and locations of all urban forest trees indicated in your Tree Inventory
    - Any **narrative descriptions** required to describe your project and your Tree Protection Plan.
    - Any relevant **construction or tree protection detail drawings or descriptions**
    - Any **reports from** arborists, surveyors, or other professionals as may be helpful
3. The City of Takoma Park Urban Forest Manager will review the application and determine if any revisions are needed. Once the plan is deemed satisfactory it will receive **preliminary approval with two further steps required** before the permit is issued.
  - a. The permit will be on hold until a **15-day adjacent property comment period** is complete. The properties will be notified of their right to review and appeal the plan.
  - b. The permit will be on hold until the applicant provides a **signed Contractor Agreement Form**.
4. After receiving a permit, the applicant must coordinate the following before beginning construction activities:
  - a. A **Preconstruction Meeting** in advance of any tree protection measures being installed, including the contractor foreman, the property owner/agent, and the Urban Forest Manager. This meeting is to ensure that all parties fully understand the requirements of the Tree Protection Plan.
  - b. A **Tree Protection Measures Inspection** conducted by the Urban Forest Manager after the measures are installed.
5. The project will then receive **Notice of Approval to Break Ground**.
6. All **tree protection measures must remain in place** until the completion of the project or as stipulated in the approved Tree Protection Plan. The plan may require **inspections by the Urban Forest Manager** at certain project milestones to approve certain activities or adjustments to the tree protection measures.
7. After completion, some projects will require a **post-construction inspection, post-construction tree healthcare measures, or other requirements specified in the approved plan**, which will be reviewed and approved by the Urban Forest Manager.

Please use the MyTKPK web portal to upload all required application materials and then follow any instructions for uploading supplementary materials. We encourage you to fill in this application packet electronically using the pdf application of your choice. A paper submission option is available upon request.

Please review the following pages to accurately complete your Tree Protection Plan Permit Application. The Urban Forest Manager can provide basic guidance but will typically refer you to the **Tree Protection Plan Manual** document. For more complicated projects you may need to hire a consulting arborist or similarly qualified professional to aid in composing your Tree Protection Plan.



# Tree Protection Plan Permit Application

## Tree Protection Plan Checklist

The following checklist will guide you through the creation of your tree protection plan. Checking a box alone is not sufficient, you must actually include the required element on your tree protection plan. Please provide a response for each element to state whether or not it applies to your project. Please refer to the Tree Protection Plan Manual as you work through this checklist for guidance in completing your Tree Protection Plan (TPP).

### 1. Tree Inventory/List

(Required) I have included a tree inventory for all Urban Forest Trees (trees with trunks measuring 7.8 inches diameter or greater at 4.5 feet from the ground) within 50 feet of potential impacts involved with this project. This may include trees on neighboring properties, whose trunk measurements may be estimated. The trees are marked on the plan drawing with their inventory number and their diameters listed along with any other helpful information.

### 2. Critical Root Zones (CRZ)

(Required) I understand the potential extents to which tree roots may grow and have adequately considered the root zone of Urban Forest Trees in this plan.

Note: Drawing a circle on your plan for the CRZ of each tree is optional, though can be helpful, particularly when done under the guidance of a qualified arborist.

### 3. Tree Protection Fence (TPF)

TPF will be installed and I have depicted its location on the plan drawing. I have also specified the type of approved TPF to be used by including an approved detail drawing and/or description as part of my submission.

No TPF will be installed.

### 4. Equipment Usage

Heavy equipment, such as a mini-excavator, will be used on this project and I have included details on the specific equipment to be used, including type of equipment, model, ground pressure, and other information as available.

No heavy equipment will be used. All work will be conducted with hand tools and by foot traffic only.

### 5. Trunk Protection

Equipment or vehicles may pass close to a tree's trunk and trunk protection has been specified on the plan for the relevant trees. The installation detail for the trunk protection has been included as part of this submission.

No trees will require trunk protection.





# Tree Protection Plan Permit Application

## 6. Root Protection Matting/Soil Compaction

Root protection matting will be used to protect roots and soil within tree CRZ's that will be exposed to heavier construction traffic or materials storage. The areas where root protection matting is to be installed have been depicted on the project plan drawing. The construction detail for the root protection matting has been included as part of this submission and is adequate to reduce soil compaction from the expected load.

No root protection matting is required on this project. Only light foot traffic is expected and no substantial materials storage will occur inside a tree's CRZ.

## 7. Materials Storage

Significant materials, soil, and/or equipment will be stored on site. The storage area has been depicted on the plan drawings and adequately limits the risk of soil compaction and root damage.

No materials, soil, or equipment are to be stored on the property. All materials will be stored off-site.

## 8. Silt Fence/Erosion Control

Erosion control measures will be used on this project and are depicted on the plan drawings. If sediment control will pass through a tree's CRZ, a trenchless installation has been specified.

No erosion control or silt fence will be required for this project.

## 9. Excavation and Grade Changes

There will be excavation and/or changes to the grade as part of this project and they have been indicated on the plan drawings. The depth of excavation is also included. Grade changes have been limited to minimize impacts to trees. Appropriate measures have been taken to limit the extent of excavation that may impact tree roots.

There will be no excavation or changes to the grade as part of this project.

## 10. Root Pruning

Root pruning will be conducted as part of this project. Lines depicting the locations of root pruning have been included on the plan drawings. The method and depth of root pruning have been noted in narrative format.

No root pruning will be required as part of this project.





# Tree Protection Plan Permit Application

## 11. Utilities Installation

Underground utilities will be installed as a part of this project and their locations are depicted on the project plan drawings. The method and depth of installation/excavation is specified. Appropriate methods and alignments have been selected to minimize root impacts.

No underground utilities will be installed as part of this project.

## 12. Preliminary Exploratory Excavation

With prior approval from the UFM and in keeping with the guidelines included in the Tree Protection Plan Manual, I have conducted a preliminary exploratory excavation to inform this tree protection plan. The report from this exploration is included as part of this submission.

No preliminary exploratory excavation was required for this project.

## 13. Landscaping

Landscaping will occur as part of this project. The landscaping plan is included in this submission and addresses concerns about tree root impacts during installation.

No landscaping will occur as part of this project.

## 14. Pruning

Pruning of an urban forest tree will occur as part of this project. A description of which trees will require pruning and the extent and location of branches to be pruned has been included.

No pruning of an urban forest tree will be conducted as part of this project.

## 15. Tree Healthcare / Stress Mitigation Plan

Trees are likely to experience an elevated degree of stress during this project and a Tree Healthcare Plan has been created.

No Tree Healthcare Plan is required as trees are not likely to experience an elevated degree of stress.

## 16. Construction Methods that Require Special Consideration

(Required) I have reviewed Item 16 in the Tree Protection Plan Manual and have accounted for any special considerations that may be applicable to my project in my Tree Protection Plan.





# Tree Protection Plan Permit Application

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## **Supplementary Narrative Description of Project and Tree Protection Plan**

Most tree protection plans require some amount of written description to clarify elements of the project and tree protection measures. Please refer to the Tree Protection Plan Checklist earlier in this application and the Tree Protection Plan manual for clarity on which elements may need to be specifically described. Such narrative descriptions can be provided in one of three ways mentioned below.

Please select which method(s) you are using to provide narrative descriptions:

A report or written document attached to this application

Notes added directly onto the plan drawings

Notes added to the space provided on this page





# Tree Protection Plan Permit Application

## Attached Documents

All plans require some degree of supporting documentation, such as tree inventories, plan drawings, construction detail drawings, professional reports, supplementary written explanations, etc. Below, please list the title of each document you have attached as part of this Tree Protection Plan submission. The documents must be clearly titled in the same manner as you have listed them here.

- Attached Document #1: Tree Protection Plans (set of 2)
- Attached Document #2: Site Plan
- Attached Document #3: WSSC Site Utility Plans
- Attached Document #4: \_\_\_\_\_
- Attached Document #5: \_\_\_\_\_
- Attached Document #6: \_\_\_\_\_
- Attached Document #7: \_\_\_\_\_
- Attached Document #8: \_\_\_\_\_
- Attached Document #9: \_\_\_\_\_
- Attached Document #10: \_\_\_\_\_

## Applicant / Property Owner Signature

By signing below, you hereby affirm the following:

- I have reviewed and am familiar with the Tree Protection Plan Manual.
- I have completed the Tree Protection Plan Checklist.
- I have included any required narrative descriptions and attached documents.
- I understand that the project may not begin until the Urban Forest Manager provides approval to break ground.
- I understand that I may not alter the project plan in a way that may change its impact to trees without written approval from the Urban Forest Manager.
- I understand that violating the provisions agreed to in this document may result in a Stop Work Order and a citation as per City of Takoma Park municipal code.

MS Weg  
Signature

11/18/2022  
Date