

INDEX OF SHEETS

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|-----------|------------------|--|
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MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION

FRANKLIN AVENUE
SIDEWALK IMPROVEMENT FROM US 29 TO MD 193
CIP PROJECT NO. 501734



LIMIT OF WORK
CONTR. NO. 000000
FRANKLIN AVE.
STA. 46+09.40

LIMIT OF WORK
CONTR. NO. 000000
FRANKLIN AVE.
STA. 0+85.40

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS OF THE MARYLAND STATE HIGHWAY ADMINISTRATION, MONTGOMERY COUNTY, AND THE WASHINGTON SUBURBAN SANITARY COMMISSION.
- TYPES OF STORM DRAIN STRUCTURES REFER TO THE "DESIGN STANDARDS" OF MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION, UNLESS OTHERWISE NOTED.
- WHEN THE DROP ON THE MAIN LINE THROUGH A STORM DRAIN STRUCTURE CAN BE MAINTAINED, THE SEWER BRICK ON EDGE SHALL BE BUILT TO THE CROWN OF THE PIPES. WHEN THE INVERT SLOPES WOULD BE GREATER THAN 1.5:1, A SPECIAL INVERT SHALL BE CONSTRUCTED AS NOTED.
- ALL STORM DRAIN PIPE SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STORM DRAIN STRUCTURES, WHEN NECESSARY TO MEET EXISTING CONDITIONS, AS APPROVED BY MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE LINES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS, WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SHOWN OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION.
- REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE AND/OR OMISSION OF WORK MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.
- CALL "MISS UTILITY" AT 1-800-257-7777 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
- CLEARING IS TO BE LIMITED TO THE "LIMIT OF GRADING" AS SHOWN ON THE PLANS.
- ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
- ALL DISTURBED AREAS TO BE SEEDED AND MULCHED UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL OBTAIN A ROADSIDE TREE PERMIT FOR ANY MAINTENANCE TREATMENT PLANTING, REMOVAL OR ROOT CUTTING ON TREES WITHIN THE PUBLIC RIGHT OF WAY. PERMIT REQUIREMENTS MAY BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES, MARYLAND FOREST, PARK AND WILDLIFE SERVICE, TELEPHONE 301-854-6060.
- THE CONTRACTOR SHALL CONSTRUCT ALL DRIVEWAY TIE-INS IN-KIND TO THE LIMIT SHOWN ON THE PLANS.

OWNERS / DEVELOPER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION, AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL MAINTAIN ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

DATE: _____
TIMOTHY H. CUPPLES, P.E.
CHIEF, DIVISION OF TRANSPORTATION ENGINEERING

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "1984 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL", MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES EXECUTIVE REGULATIONS 5-90, AND THE DEPARTMENT OF TRANSPORTATION'S "STORM DRAIN DESIGN CRITERIA" DATED AUGUST 1988.

DATE: _____
PARSHOTTAM N. SHELADIA, P.E.
SHELADIA ASSOCIATES, INC.

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION

MAINTENANCE CERTIFICATION

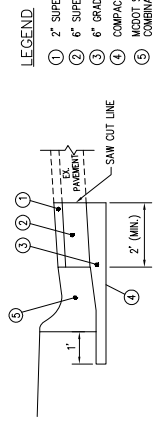
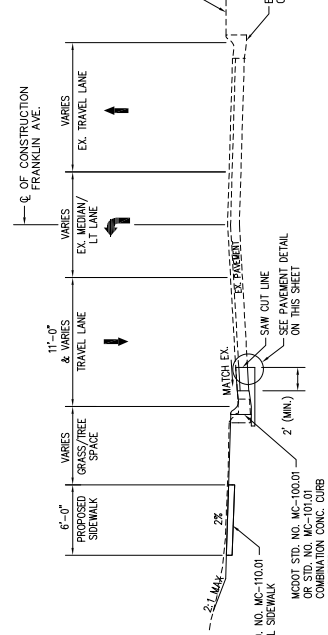
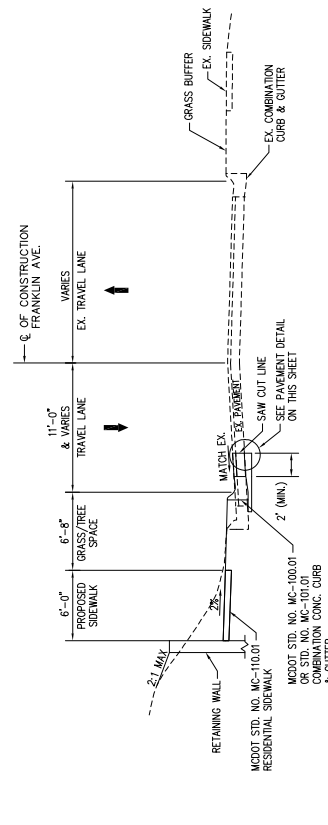
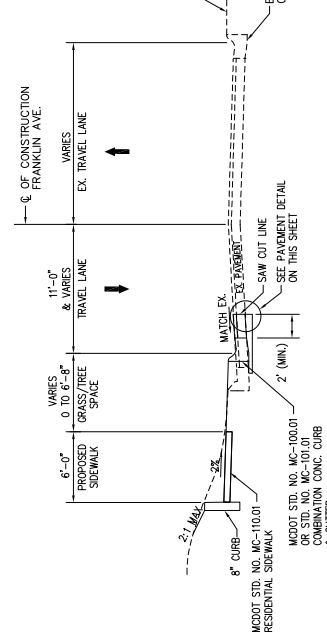
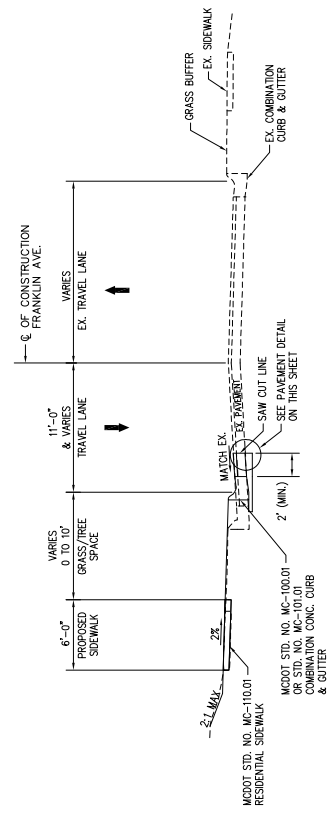
I HEREBY CERTIFY THAT THE DEPARTMENT OF TRANSPORTATION WILL ASSUME MAINTENANCE RESPONSIBILITIES FOR ALL STORM DRAIN STRUCTURES AS SHOWN HEREON IN ACCORDANCE WITH THE MEMORANDUM OF UNDERSTANDING BETWEEN THIS DEPARTMENT AND THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED SEPTEMBER 1, 1986. IF, FOR ANY REASON, FUTURE IMPROVEMENTS TO THE ROADWAY ARE PLANNED, THAT WOULD IMPACT ANY OF THE STRUCTURES SHOWN HEREON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DURING THE PLANNING OR EARLY DESIGN STAGE FOR SUCH IMPROVEMENTS.

DATE: _____
TIMOTHY H. CUPPLES, P.E.
CHIEF, DIVISION OF TRANSPORTATION ENGINEERING

PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED AND APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 8739
EXPIRATION DATE: 09-30-2021

CONCEPT SUBMITTAL
SEPTEMBER 30, 2021

| | | |
|---|---|---|
| <p>MONTGOMERY CO. DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:</p> <p>Stormwater Management: _____ Sediment Control: _____ Technical Requirements: _____</p> <p>Reviewed: _____ Date: _____ Approved: _____ Date: _____</p> | <p>NOTE: MOPS APPROVAL DOES NOT CONSTITUTE A "MOPS ACCESS PERMIT". Administrative Requirements: _____</p> <p>Reviewed: _____ Date: _____ Approved: _____ Date: _____</p> | <p>FRANKLIN AVENUE SIDEWALK IMPROVEMENT</p> <p style="text-align: center;">TITLE SHEET</p> <p>Project No.: _____ of _____</p> <p>SCALE: AS SHOWN</p> <p>GT-01 of 28</p> |
|---|---|---|



- LEGEND
- ① 2" SUPERPAVE ASPHALT MIX SURFACE - 125 mm PG 64-22
 - ② 6" SUPERPAVE ASPHALT MIX BASE - 25 mm PG 64-22, (2 - 3' LEFTS)
 - ③ 6" GRADED AGGREGATE BASE COURSE
 - ④ COMPACTED SUBBASE
 - ⑤ MDOT STANDARD NO. MC-100.01 OR STANDARD NO. MC-101.01 COMBINATION CONCRETE CURB AND GUTTER

**FRANKLIN AVENUE
SIDEWALK IMPROVEMENT**

TYPICAL SECTIONS

Project No.: 1903 of 28

SCALE: AS SHOWN

NOTE: MOORE APPROVAL DOES NOT RELIEVE THE NEED OF USER'S BUSINESS LICENSE

Administrative Requirements: _____ Date: _____

Reviewed: _____ Date: _____

Technical Requirements: _____ Date: _____

Approved: _____ Date: _____

Montgomery Co. Department of Permitting Services Approved: _____ Date: _____

Submitted Management: _____ Date: _____

Approved: _____ Date: _____

Checked by: _____

Drawn by: _____

DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND

RECOMMENDED FOR APPROVAL

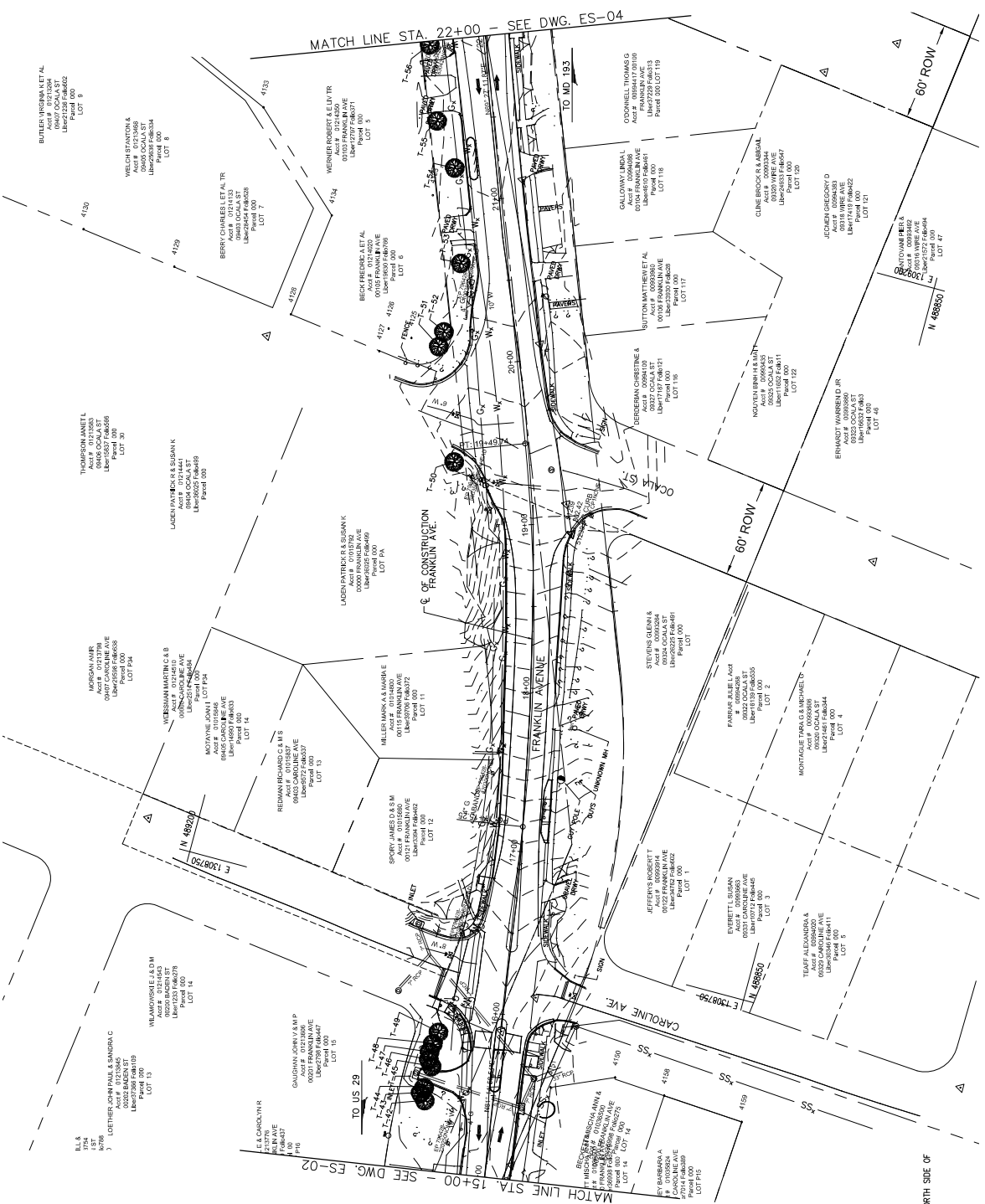
Chief Design Section: _____ Date: _____

Chief, Division of Transportation Engineering: _____ Date: _____

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

CONTACT:
DIVISION OF TRANSPORTATION
240-777-7210
240-777-7210
240-777-7221

| NO. | REVISION | DATE | BY |
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**FRANKLIN AVENUE
SIDEWALK IMPROVEMENT
SURVEY OF EXISTING CONDITION**

Project No. : 1806
SCALE : AS SHOWN
EX-03

NOTICE: MOST APPROVAL DOES NOT RELIEVE THE NEED OF THE USER'S DUE DILIGENCE

| Administrative Requirements | Reviewed | Date |
|--|----------|------|
| Montgomery Co. Department of Permitting Services | | |
| Statewide Management | | |
| Stormwater Management | | |
| Stormwater Technical Requirements | | |
| Reviewed | | |
| Approved | | |

MONTEGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND

| Recommended for Approval | Reviewed | Date |
|---|----------|------|
| Chief, Design Section | | |
| Chief, Division of Transportation Engineering | | |
| Drawn by | | |
| Checked by | | |

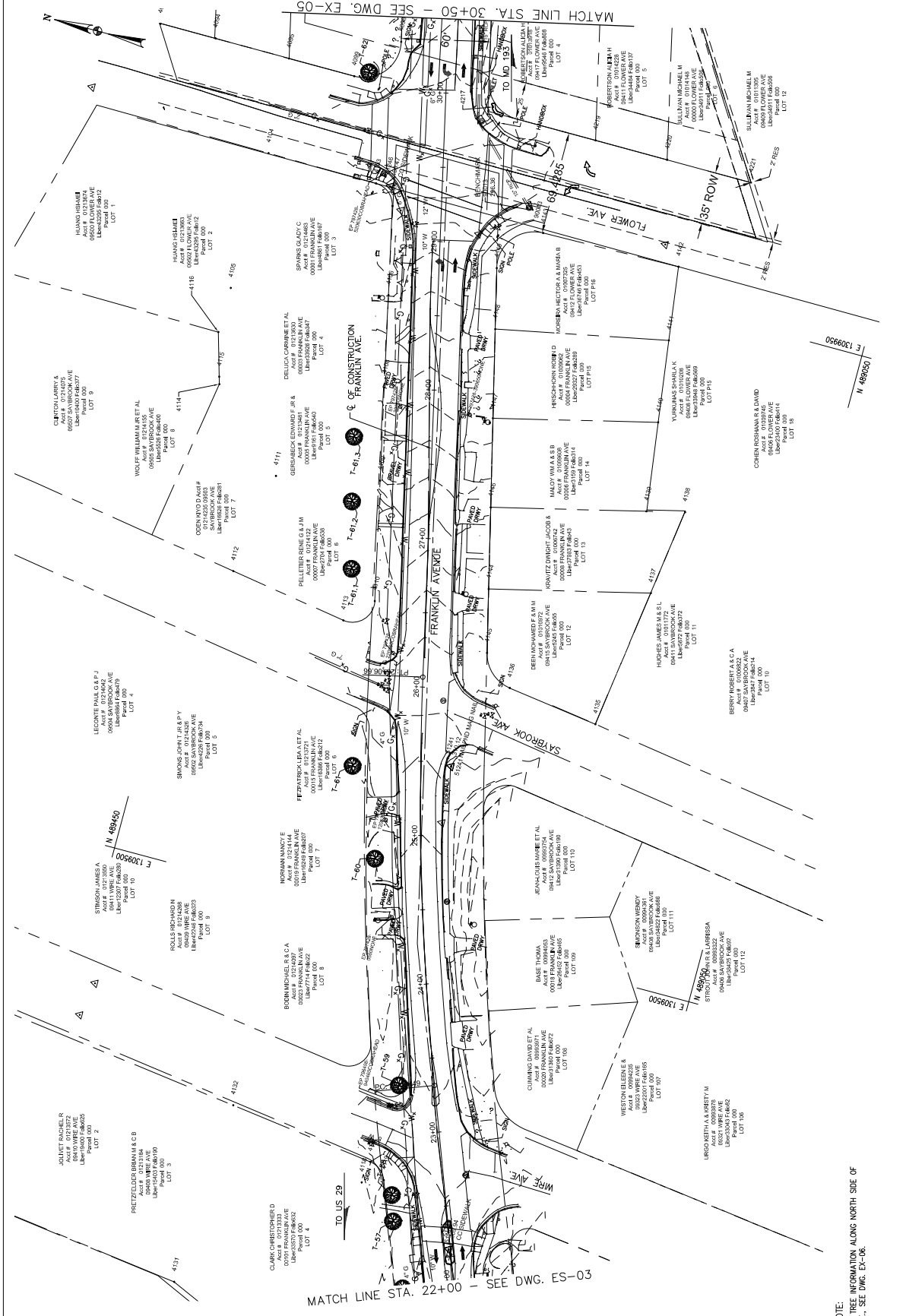
OWNER/ADDRESS:
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

CONTACT:
DIVISION OF TRANSPORTATION ENGINEERING
DESIGN SECTION
240-277-7210
240-277-7221

| NO. | REVISION | DATE |
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| | | |
| | | |
| | | |

Engineers, Architects
Surveyors
PLANNING & DESIGN GROUP, INC.
10000 WOODBRIDGE LANE, SUITE 200
ROCKVILLE, MD 20850
TEL: 240-277-7210
WWW.PDGROUPINC.COM

REFERENCE NOTE:
1. FOR EXISTING TREE INFORMATION ALONG NORTH SIDE OF FRANKLIN AVE., SEE DWG. EX-06.



**FRANKLIN AVENUE
SIDEWALK IMPROVEMENT
SURVEY OF EXISTING CONDITION**

Project No.: 1801
SCALE: AS SHOWN
EX-04

NOTES: MONTEGLO APPROVAL DOES NOT RELIEVE THE NEED OF THE USER TO OBTAIN ALL NECESSARY PERMITS.

| Administrative Requirements | Reviewed | Date |
|---|----------|------|
| Montgomery County Department of Planning Services | Approved | Date |
| Montgomery County Department of Public Works | Approved | Date |
| Montgomery County Department of Transportation | Approved | Date |

MONTEGLO COUNTY DEPARTMENT OF TRANSPORTATION

| Submitted Management | Reviewed | Date |
|----------------------|----------|------|
| Submitted Management | Approved | Date |

OWNER/ADDRESS:
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND
GAITHERSBURG, MARYLAND

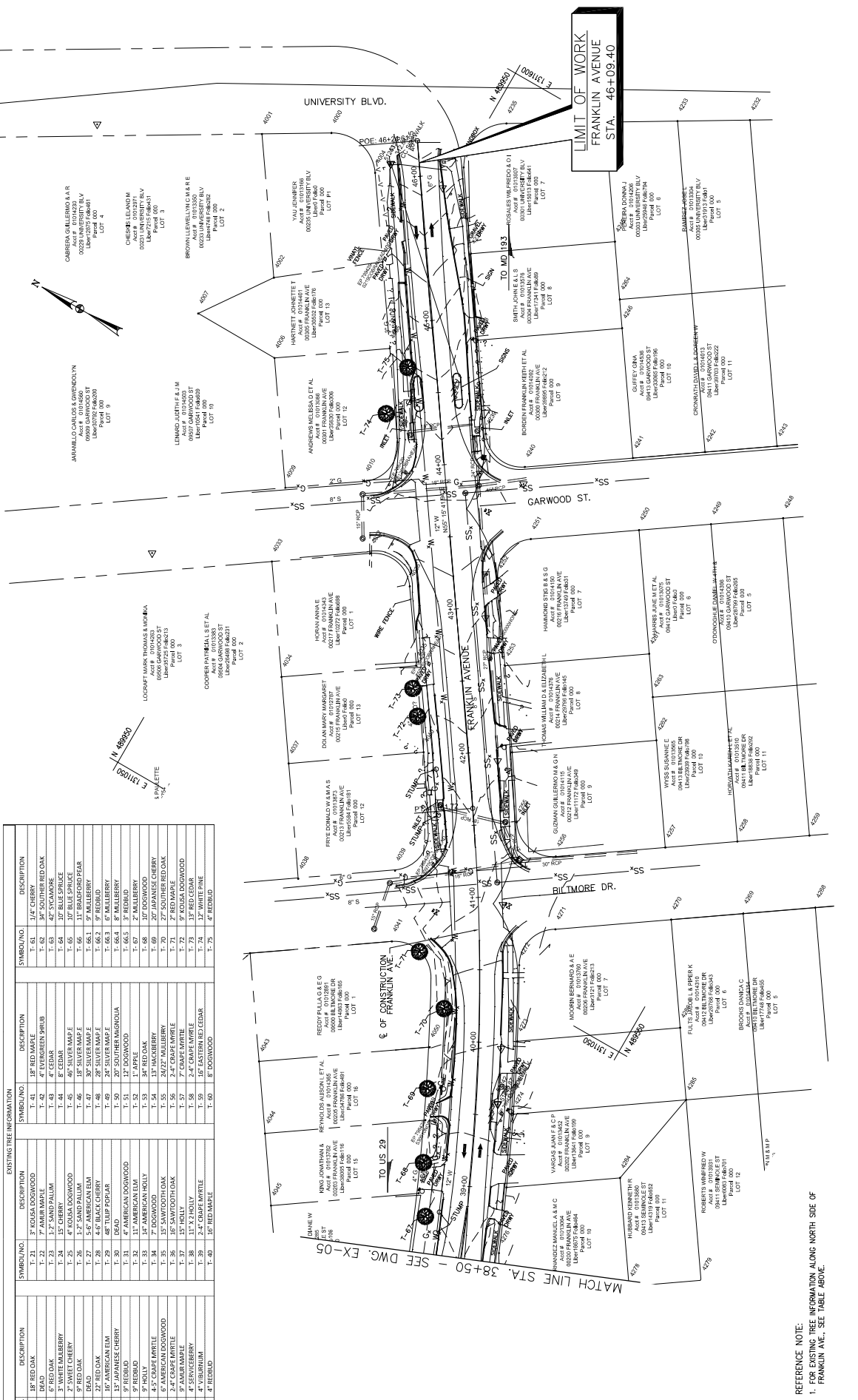
CONTACT:
DIVISION OF TRANSPORTATION ENGINEERING
11111 WOODBURN DRIVE
240-277-7210
240-277-7211
240-277-7212

| NO. | REVISION | DATE | BY |
|-----|----------|------|----|
| | | | |
| | | | |
| | | | |

Engineers, Architects
PLANNERS
AND
SURVEYORS

SEAL

REFERENCE NOTE:
1. FOR EXISTING TREE INFORMATION ALONG NORTH SIDE OF FRANKLIN AVE., SEE DWG. EX-06.



| EXISTING TREE INFORMATION | | | |
|---------------------------|-------------------|-----------|-----------------------|
| SYMBOL/NO | DESCRIPTION | SYMBOL/NO | DESCRIPTION |
| T-1 | 18" RED OAK | T-61 | 1 1/4" CHERRY |
| T-2 | DEAD | T-62 | 3/4" SOUTHERN RED OAK |
| T-3 | 5" RED OAK | T-63 | 47" SYCAMORE |
| T-4 | 3" WHITE MULBERRY | T-64 | 10" BLUE SPRUCE |
| T-5 | 3" WHITE PINE | T-65 | 10" BLUE SPRUCE |
| T-6 | 5" RED OAK | T-66 | 11" BROADLEAF PEAR |
| T-7 | DEAD | T-67 | 2" MULBERRY |
| T-8 | 27" RED OAK | T-68 | 2" MULBERRY |
| T-9 | 10" AMERICAN ELM | T-69 | 2" MULBERRY |
| T-10 | 10" AMERICAN ELM | T-70 | 2" MULBERRY |
| T-11 | 5" RED OAK | T-71 | 2" MULBERRY |
| T-12 | 9" RED OAK | T-72 | 9" KOUA DOGWOOD |
| T-13 | 9" HOLY | T-73 | 13" RED CEDAR |
| T-14 | 10" AMERICAN HOLY | T-74 | 4" RED CEDAR |
| T-15 | 10" AMERICAN HOLY | T-75 | 4" RED CEDAR |
| T-16 | 2 1/2" SWEETGUM | | |
| T-17 | 9" AMERICAN HOLY | | |
| T-18 | 4" SWEETGUM | | |
| T-19 | 4" SWEETGUM | | |
| T-20 | 4" RED OAK | | |

REFERENCE NOTE:
 1. FOR EXISTING TREE INFORMATION ALONG NORTH SIDE OF FRANKLIN AVE., SEE TABLE ABOVE.

OWNER/ADDRESS:
 DEPARTMENT OF TRANSPORTATION
 GAITHERSBURG, MARYLAND

CONTACT:
 DIVISION OF TRANSPORTATION ENGINEERING
 DEPARTMENT OF TRANSPORTATION
 240-777-7210
 240-777-7210
 240-777-7211

MONTEGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES PROVIDED FOR:
 Stormwater Management: _____
 Stormwater Technical Requirements: _____

RECOMMENDED FOR APPROVAL:
 Date: _____
 Approved: _____

APPROVED FOR CONSTRUCTION:
 Date: _____
 Approved: _____

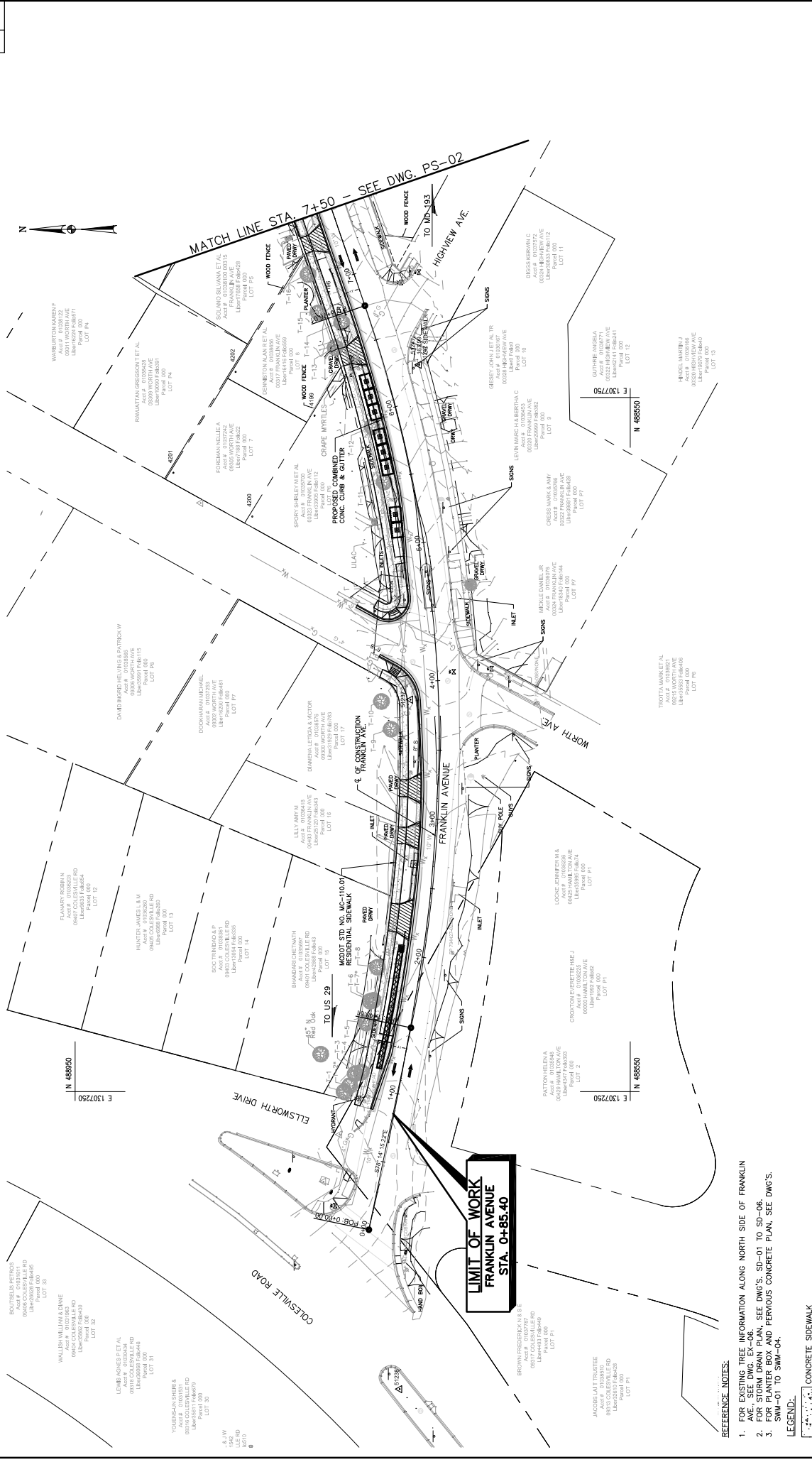
0 10 20 30
 SCALE: 1" = 30'

FRANKLIN AVENUE SIDEWALK IMPROVEMENT SURVEY OF EXISTING CONDITION

Project No.: _____ of _____

SCALE: AS SHOWN

EX - 06



**FRANKLIN AVENUE
SIDEWALK IMPROVEMENT
ROADWAY PLAN**

Project No.: 1307250 of 00

SCALE: AS SHOWN

PS-01

NOTES: MOORE APPROVAL DOES NOT ALGATE THE NEED OF USER'S BUSINESS PERMITS

| Administrative Requirements | Reviewed | Date |
|-----------------------------|----------|------|
| CONCRETE PERMITTING | | |

MONTEGOMERY CO. DEPARTMENT OF TRANSPORTATION
PERMITTING SERVICES PROVIDED FOR:

| Stormwater Management | Reviewed | Date |
|-----------------------|----------|------|
| Stormwater Management | | |

MONTEGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND

| Recommended for Approval | Reviewed | Date |
|--------------------------|----------|------|
| Chief Design Engineer | | |

OWNER/ADDRESS:
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

CONTACT:
DIVISION OF TRANSPORTATION ENGINEERING
DIVISION OF TRANSPORTATION
240-777-7210
240-777-7221

| NO. | REVISION | DATE | BY |
|-----|----------|------|----|
| | | | |

Engineers, Architects
PLANNERS
SPECIALISTS
CONSULTANTS

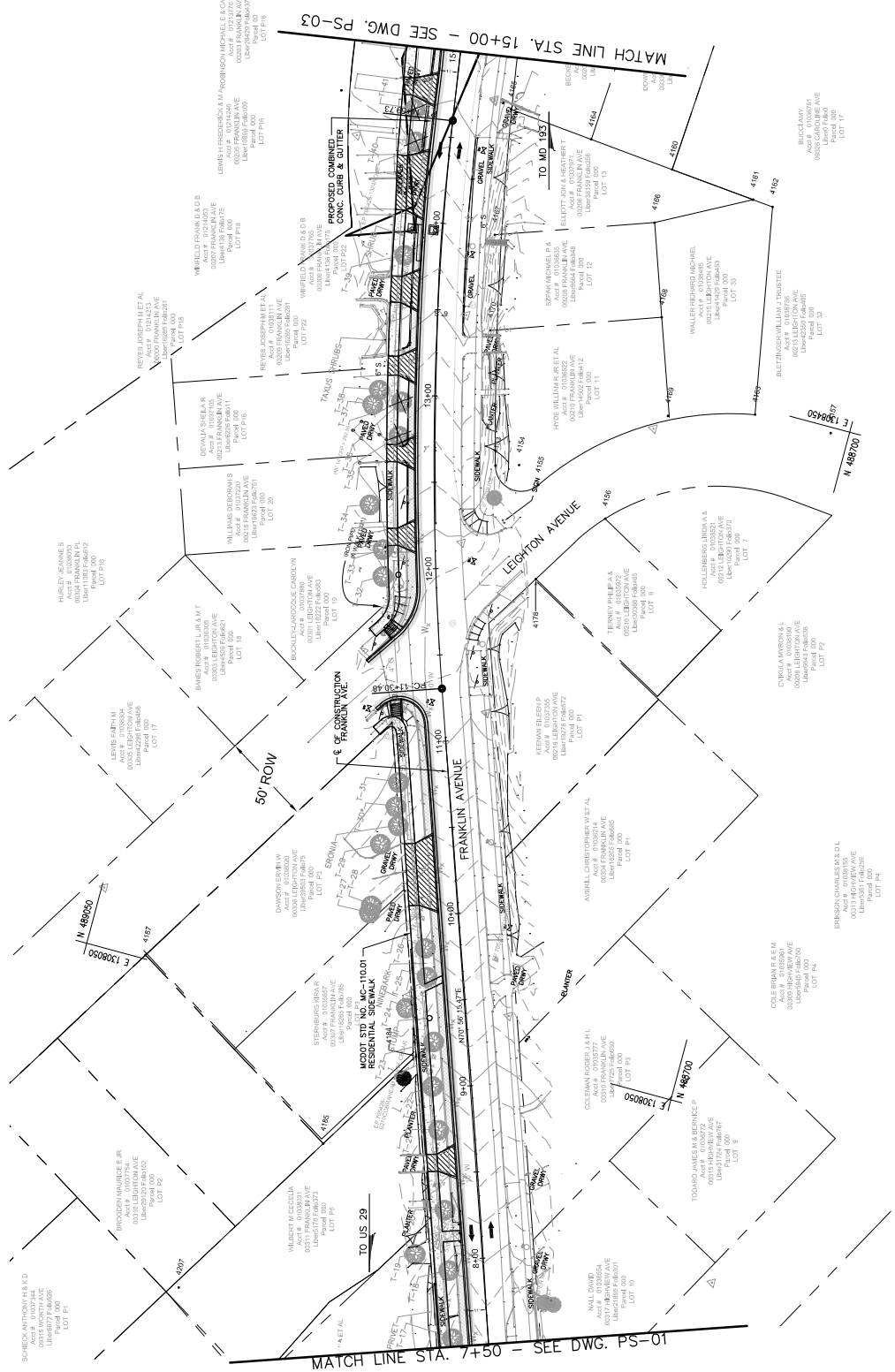
SCALE: 1" = 30'

LEGEND:

- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- PERVIOUS CONCRETE SIDEWALK
- FULL DEPTH PAVEMENT
- PAVEMENT REMOVAL
- EXISTING TREE (TO BE REMOVED)

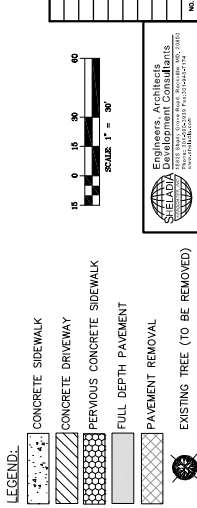
- REFERENCE NOTES:
- FOR EXISTING TREE INFORMATION ALONG NORTH SIDE OF FRANKLIN AVE. SEE DWG. EX-06.
 - FOR STORM DRAIN PLAN, SEE DWG'S. SD-01 TO SD-06.
 - FOR PLANTER BOX AND PERVIOUS CONCRETE PLAN, SEE DWG'S. SWM-01 TO SWM-04.

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| NET | 00 |
| TOTAL | 00 |
| SHEETS | 00 |



REFERENCE NOTES:

- FOR EXISTING TREE INFORMATION ALONG NORTH SIDE OF FRANKLIN AVE. SEE DWG. EX-06.
- FOR STORM DRAIN PLAN, SEE DWG'S. SD-01 TO SD-06.
- FOR PLANTER BOX AND PERVIOUS CONCRETE PLAN, SEE DWG'S. SWM-01 TO SWM-04.



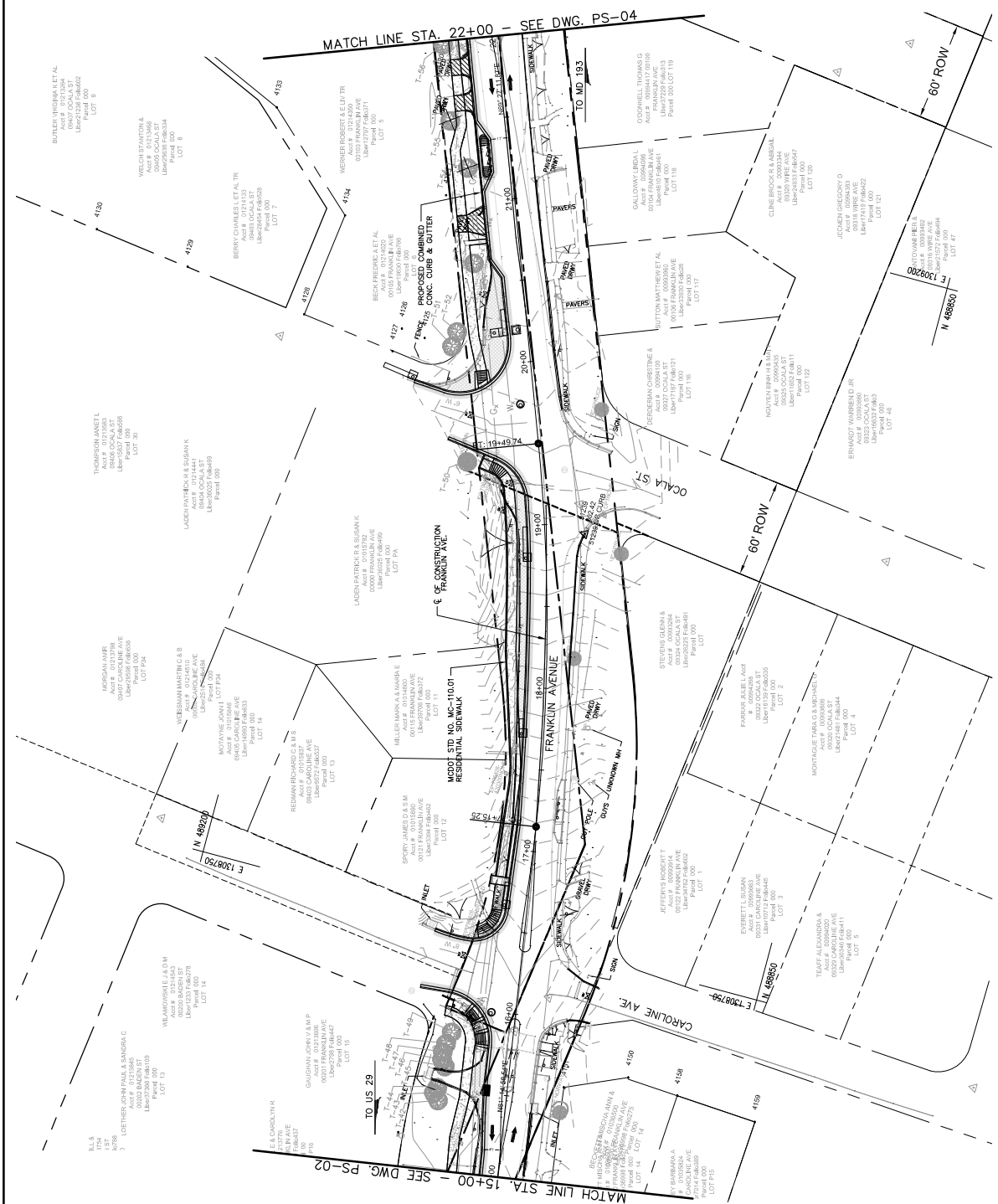
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|---|--|--|--|
| OWNER/ADDRESS: DEPARTMENT OF TRANSPORTATION ROCKVILLE, MARYLAND GAITHERSBURG, MARYLAND CONTACT: DIVISION OF TRANSPORTATION ENGINEERING 240-777-7210 240-777-7221 | | MONTEREY COUNTY DEPARTMENT OF PERMISSING SERVICES APPROVED FOR: Stormwater Management: _____ Stormwater Technical Requirements: _____ Reviewed: _____ Date: _____ Approved: _____ Date: _____ | |
| RECOMMENDED FOR APPROVAL: Chief Design Section: _____ Chief, Division of Transportation Engineering: _____ Approved: _____ Date: _____ Drawn by: _____ Checked by: _____ | | NOTES: MOST APPROVAL DOES NOT ALGATE THE NEED OF USER'S DESIGN PERMITS. Administrative Requirements: _____ Reviewed: _____ Date: _____ Approved: _____ Date: _____ Approved: _____ Date: _____ | |

FRANKLIN AVENUE SIDEWALK IMPROVEMENT ROADWAY PLAN

SCALE: AS SHOWN

Project No.: _____ of _____

PS-02 of 00



**FRANKLIN AVENUE
SIDEWALK IMPROVEMENT
ROADWAY PLAN**

SCALE: AS SHOWN
Project No.: 188 of 00

NOTES: MOORE APPROVAL DOES NOT ALLEVIATE THE NEED OF A SEWER ACCESS FEE

| Administrative Requirements | Reviewed | Date |
|-----------------------------------|----------|-------|
| Stormwater Management | _____ | _____ |
| Stormwater Technical Requirements | _____ | _____ |

MONTEGOMERY COUNTY DEPARTMENT OF TRANSPORTATION PERMITTING SERVICES APPROVED FOR:

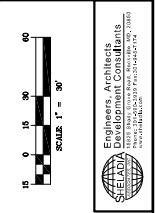
| Stormwater Management | Reviewed | Date |
|-----------------------------------|----------|-------|
| _____ | _____ | _____ |
| Stormwater Technical Requirements | Reviewed | Date |
| _____ | _____ | _____ |

MONTEGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND

APPROVED: _____
Chief, Division of Transportation Engineering
Drawn by: _____
Checked by: _____

OWNER/ADDRESS:
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

CONTACT:
DIVISION OF TRANSPORTATION ENGINEERING
240-777-7210
240-777-7210
240-777-7221



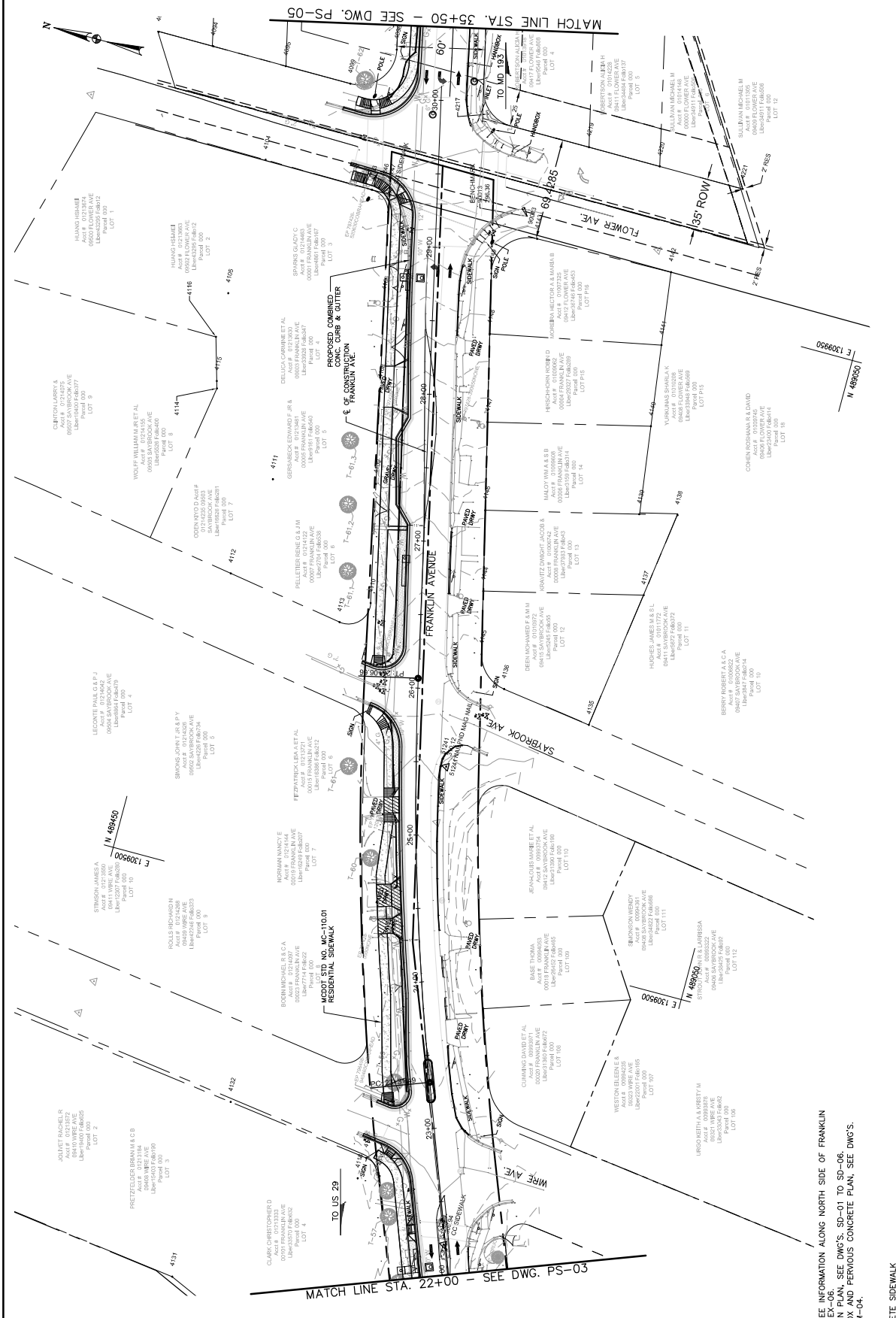
Engineers, Architects
SHELDON
10000 WOODBURN AVENUE, SUITE 100
ROCKVILLE, MD 20850
TEL: 301-981-1100 FAX: 301-981-1101

| NO. | REVISION | DATE | BY |
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- REFERENCE NOTES:**
- FOR EXISTING TREE INFORMATION ALONG DWG. EX-06.
 - FOR STORM DRAIN PLAN, SEE DWG'S SD-01 TO SD-06.
 - FOR EXISTING AND PROPOSED CONCRETE PLAN, SEE DWG'S SWM-01 TO SWM-04.

- LEGEND:**
- CONCRETE SIDEWALK
 - CONCRETE DRIVEWAY
 - PERVIOUS CONCRETE SIDEWALK
 - FULL DEPTH PAVEMENT
 - PAVEMENT REMOVAL
 - EXISTING TREE (TO BE REMOVED)

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| NET SHEETS | 00 | 00 |
| TOTAL SHEETS | 00 | 00 |



**FRANKLIN AVENUE
SIDEWALK IMPROVEMENT
ROADWAY PLAN**

Project No.: 1800
SCALE: AS SHOWN
PS-04 of 00

NOTES: MOORE APPROVAL DOES NOT ALLEVIATE THE NEED OF A SEWER ACCESS PERMITS. Administrative Requirements: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

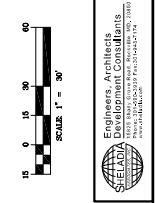
MONTGOMERY CO. DEPARTMENT OF TRANSPORTATION
PERMITS SERVICES DIVISION
Schematic/Technical Requirements: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

**MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND**
Recommended for Approval: _____ Date: _____
Checked by: _____
Chief, Design Section: _____ Date: _____
Chief, Division of Transportation Engineering: _____ Date: _____
Approved: _____

OWNER/ADDRESS:
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND
GAITHERSBURG, MARYLAND

CONTACT:
DIVISION OF TRANSPORTATION ENGINEERING
DESIGN SECTION
240-777-7210
240-777-7210
240-777-7221

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**Engineers, Architects
SHELDON**
1800 N. WOODBURN AVENUE
ROCKVILLE, MD 20850
TEL: 301-761-1000
WWW.SHELDONINC.COM

- REFERENCE NOTES:**
- FOR EXISTING TREE INFORMATION ALONG NORTH SIDE OF FRANKLIN AVE. SEE DWG. EX-06.
 - FOR STORM DRAIN PLAN, SEE DWG'S. SD-01 TO SD-06.
 - FOR PLANTER BOX AND FERROUS CONCRETE PLAN, SEE DWG'S. SWM-01 TO SWM-04.

- LEGEND:**
- CONCRETE SIDEWALK
 - CONCRETE DRIVEWAY
 - FERROUS CONCRETE SIDEWALK
 - FULL DEPTH PAVEMENT
 - PAVEMENT REMOVAL
 - EXISTING TREE (TO BE REMOVED)

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**FRANKLIN AVENUE
SIDEWALK IMPROVEMENT
ROADWAY PLAN**

Project No.: **PS - 06**

Scale: **AS SHOWN**

NOTES: WORK APPROVAL DOES NOT AGREE TO THE NEED OF THIS PROJECT. APPROVAL REQUIRED FROM THE CITY OF BALTIMORE.

Administrative Requirements:

| | |
|----------|------|
| Reviewed | Date |
| Approved | Date |

MONTEGOMERY COUNTY DEPARTMENT OF TRANSPORTATION

Stormwater Management:

| | |
|----------|------|
| Reviewed | Date |
| Approved | Date |

REVISIONS:

| No. | Description | Date |
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| | | |
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**MONTEGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND**

Recommended for Approval:

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| Checked by: | Date |
| Drawn by: | Date |

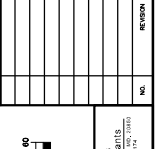
CONTACT:

ENGINEERING ARCHITECTS
240-777-7210
240-777-7210
240-777-7221

OWNER/ADDRESS:

**DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND**

| NO. | REVISION | DATE | BY |
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**Engineers, Architects
PLANNERS
SPECIALISTS**

240-777-7210
240-777-7210
240-777-7221

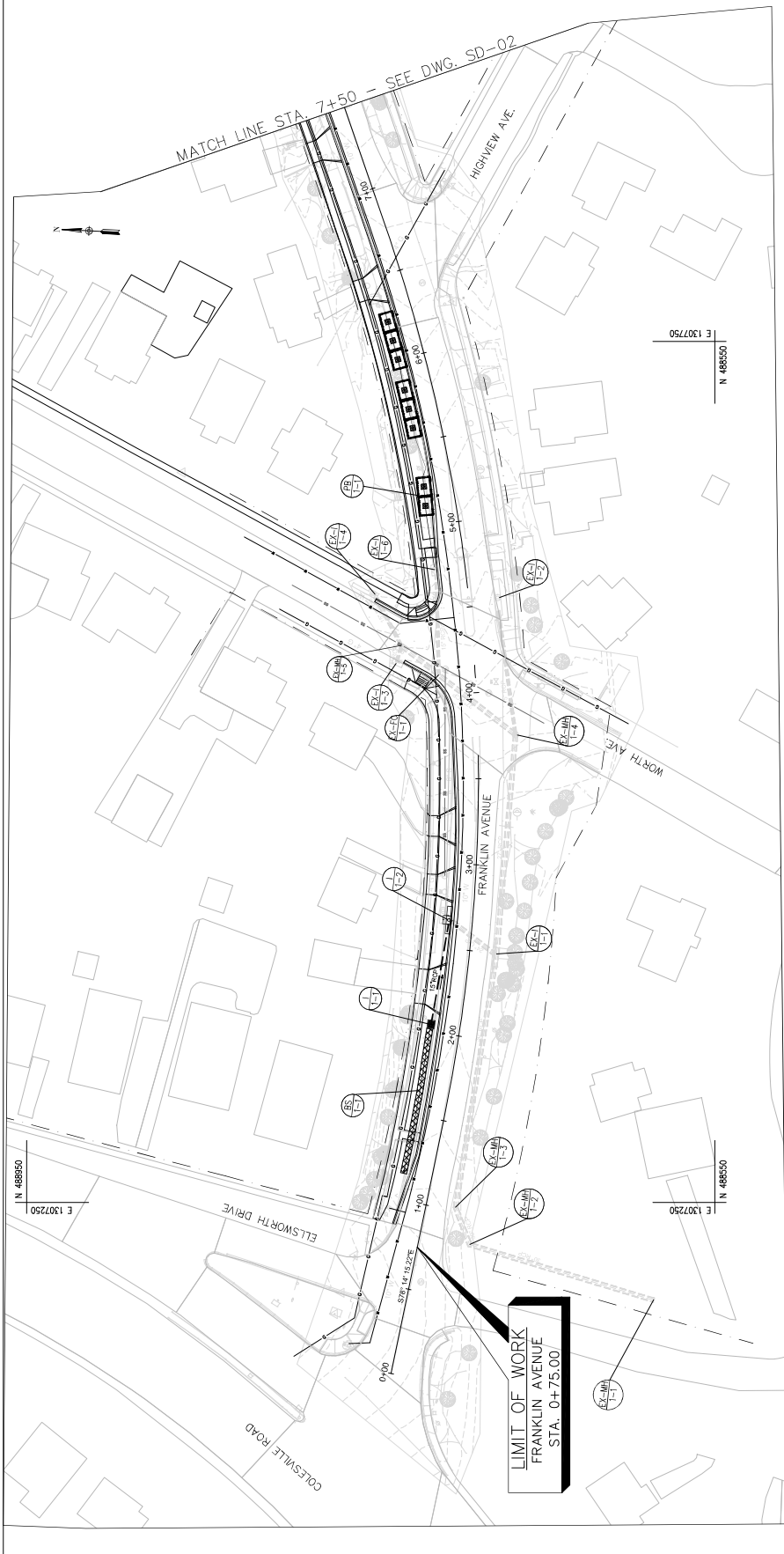
LEGEND:

- CONCRETE SIDEWALK
- CONCRETE DRIVEWAY
- PERVIOUS CONCRETE SIDEWALK
- FULL DEPTH PAVEMENT
- PAVEMENT REMOVAL
- EXISTING TREE (TO BE REMOVED)

REFERENCE NOTES:

- FOR EXISTING TREE INFORMATION ALONG NORTH SIDE OF FRANKLIN AVE. SEE DWG. EX-06.
- FOR STORM DRAIN PLAN, SEE DWG'S. SD-01 TO SD-06.
- FOR PLANTER BOX AND PERVIOUS CONCRETE PLAN, SEE DWG'S. SWM-01 TO SWM-04.

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| NO. | DATE | BY |
| 16 | | |
| 28 | | |



GENERAL NOTES FOR UTILITIES
 THE LOCATION OF THE UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA OR RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTHS OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES IN THE AREAS WHERE PROPOSED CONSTRUCTION OPERATIONS WILL TAKE PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES.
 IF AN UNDERGROUND UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF SAID UTILITY. ANY DAMAGE SUSTAINED TO UTILITIES ABOVE OR BELOW GROUND SHALL BE REPAIRED BY OR UNDER THE DIRECTION OF THE UTILITY OWNER AT CONTRACTOR EXPENSE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BACK FILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.

LEGEND

- BMP-PERMEOUS CONCRETE SIDEWALK
- BMP-BIOSWALE
- BMP-PLANTER BOX
- PROPOSED STRUCTURE NUMBER
- EXISTING STRUCTURE NUMBER
- EA CONTOUR
- PROPOSED CONTOUR



**FRANKLIN AVENUE
 SIDEWALK IMPROVEMENT
 STORM DRAIN PLAN**

Project No.: SD-01
 Scale: AS SHOWN
 Date: 11/18/20

NOTICE: APPROVAL DOES NOT RELIEVE THE NEED OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.

MONTEGOMERY COUNTY DEPARTMENT OF PERMITS SERVICES APPROVED FOR:

Stormwater Management: _____ Date: _____
 Stormwater Technical Requirements: _____ Date: _____

MONTEGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 ROBERTVILLE, MARYLAND

RECOMMENDED FOR APPROVAL:
 Chief, Division of Transportation Engineering: _____ Date: _____
 Design Engineer: _____ Date: _____

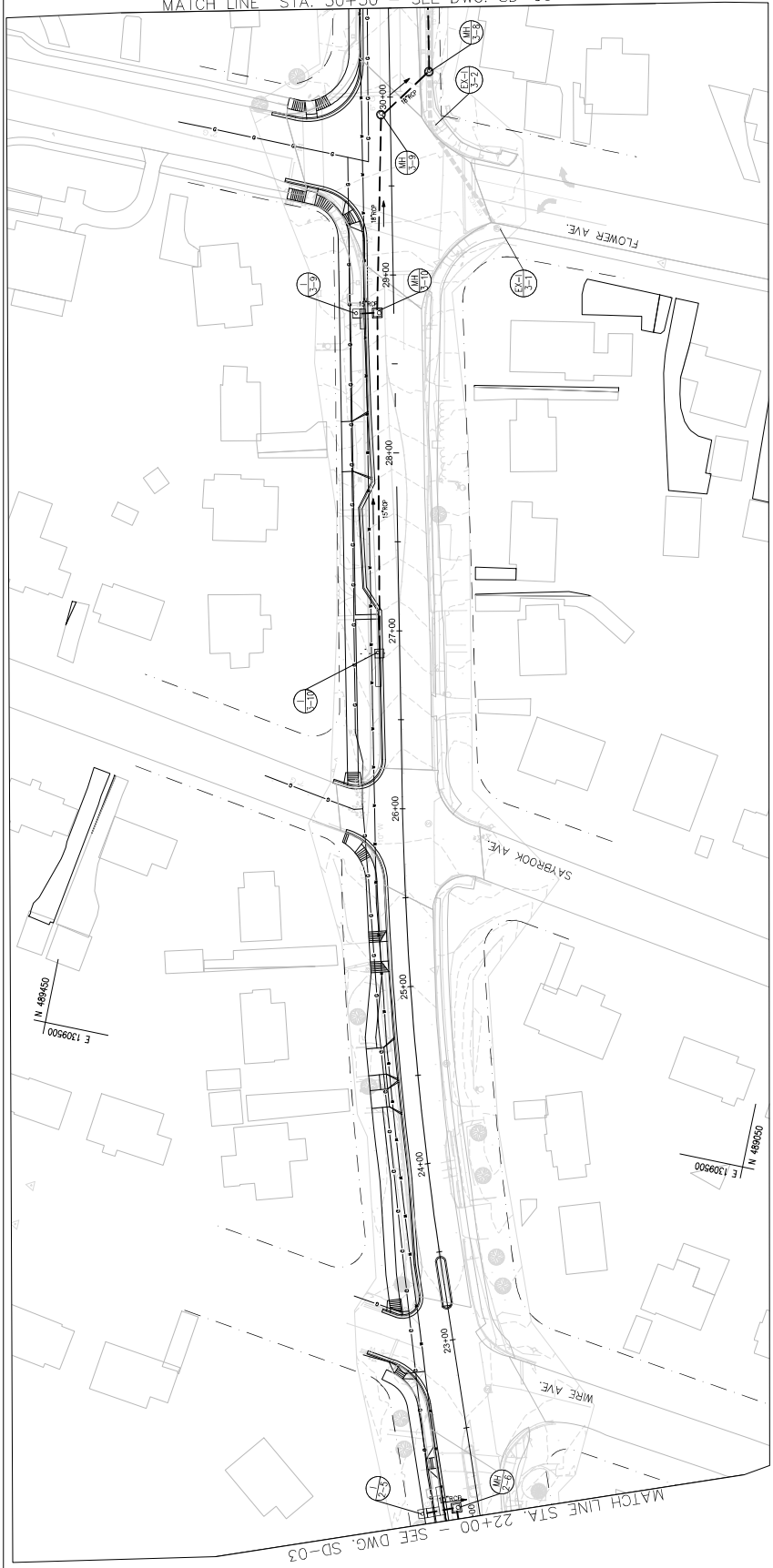
OWNER/ADDRESS:
 DEPARTMENT OF TRANSPORTATION
 GAITHERSBURG, MARYLAND

CONTACT:
 CONSULTATION ENGINEERING
 CONSULTING ASSOCIATION
 240-777-7210
 240-777-7211
 240-777-7221

| NO. | REVISION | DATE | BY |
|-----|----------|------|----|
| | | | |
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MATCH LINE STA. 30+50 - SEE DWG. SD-05



MATCH LINE STA. 22+00 - SEE DWG. SD-03

GENERAL NOTES FOR UTILITIES
 THE LOCATION OF THE UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA OR RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES IN THE AREAS WHERE PROPOSED CONSTRUCTION OPERATIONS WILL TAKE PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES.
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LEGEND

- BMP-PERMEOUS CONCRETE SIDEWALK
- BMP-BIOSWALE
- BMP-PLANTER BOX
- PROPOSED STRUCTURE NUMBER
- EXISTING STRUCTURE NUMBER
- EX CONTOUR
- PROPOSED CONTOUR

Engineers, Architects
 & Surveyors
 P.C. 0000000000
 2025 State Capitol Mall, Annapolis, MD 21401
 410-293-8800
 www.pca.com

**FRANKLIN AVENUE
 SIDEWALK IMPROVEMENT
 STORM DRAIN PLAN**

SCALE: AS SHOWN
 Project No.: 1801 of 28

NOTES: URS APPROVAL DOES NOT AGREE TO THE NEED OF THIS PROJECT. URS HAS REVIEWED THE ADMINISTRATIVE REQUIREMENTS.

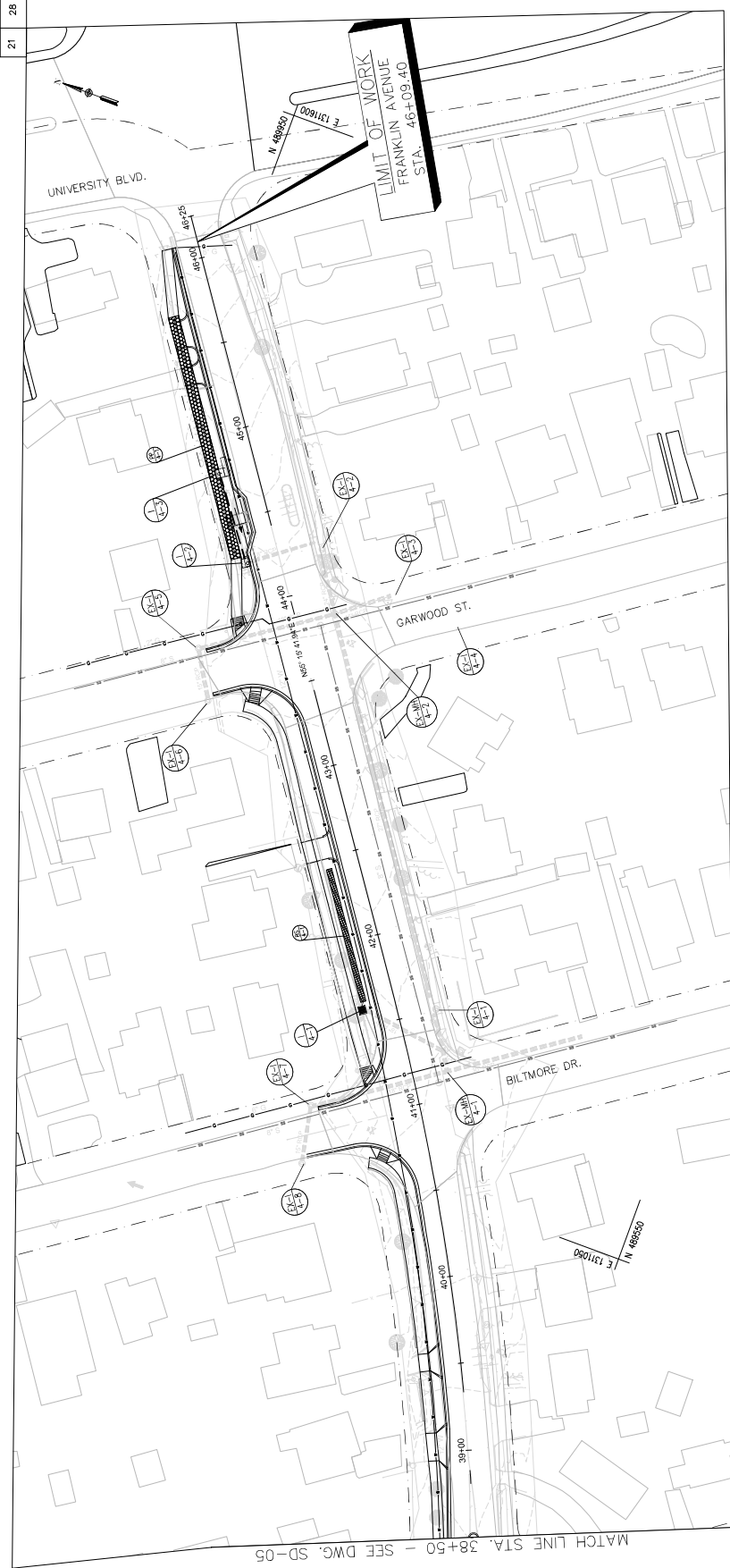
REVIEWED: [Signature] DATE: [Date]
 ADMIN. APPROVAL: [Signature] DATE: [Date]

DESIGNED BY: [Signature] DATE: [Date]
 CHECKED BY: [Signature] DATE: [Date]

MONTEGOMERY COUNTY
 DEPARTMENT OF TRANSPORTATION
 ROBERT L. BARTLAND
 CHIEF, DIVISION OF TRANSPORTATION ENGINEERING
 DATE: [Date]

OWNER/ADDRESS:
 DEPARTMENT OF TRANSPORTATION
 1000 W. GAITHERSBURG ROAD
 GAITHERSBURG, MARYLAND
 CONTACT:
 CONSTRUCTION ASSISTANT ENGINEERING
 CONSTRUCTION DIVISION
 240-777-7210
 240-777-7210
 240-777-7221

| NO. | REVISION | DATE | BY |
|-----|----------|------|----|
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GENERAL NOTES FOR UTILITIES
 THE LOCATION OF THE UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD SURVEY DATA OR RECORD DATA. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES SHOWN ON THE PLANS AND LOCATIONS OF THE UTILITIES SHOWN IS APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF ALL UTILITIES WELL IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS WHICH COULD DAMAGE THESE FACILITIES IN THE AREAS WHERE PROPOSED CONSTRUCTION OPERATIONS WILL TAKE PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES.
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- LEGEND**
- BMP-PERMEOUS CONCRETE SIDEWALK
 - BMP-BIOSWALE
 - BMP-PLANTER BOX
 - PROPOSED STRUCTURE NUMBER
 - EXISTING STRUCTURE NUMBER
 - EX. CONTOUR
 - PROPOSED CONTOUR



**FRANKLIN AVENUE
 SIDEWALK IMPROVEMENT
 STORM DRAIN PLAN**

SCALE: AS SHOWN
 Project No.: 188-21 of 28
 SD-06

NOTICE: APPROVAL DOES NOT AGREE TO THE NEED OF THE PROJECT OR THE NECESSITY OF THE PROJECT.

Administrative Requirements
 Reviewed: _____ Date: _____
 Submit contract form no.: _____

MONTGOMERY CO. DEPARTMENT OF PERMITS SERVICES APPROVED FOR:

Stormwater Management: _____ Date: _____
 Stormwater Technical Requirements: _____ Date: _____

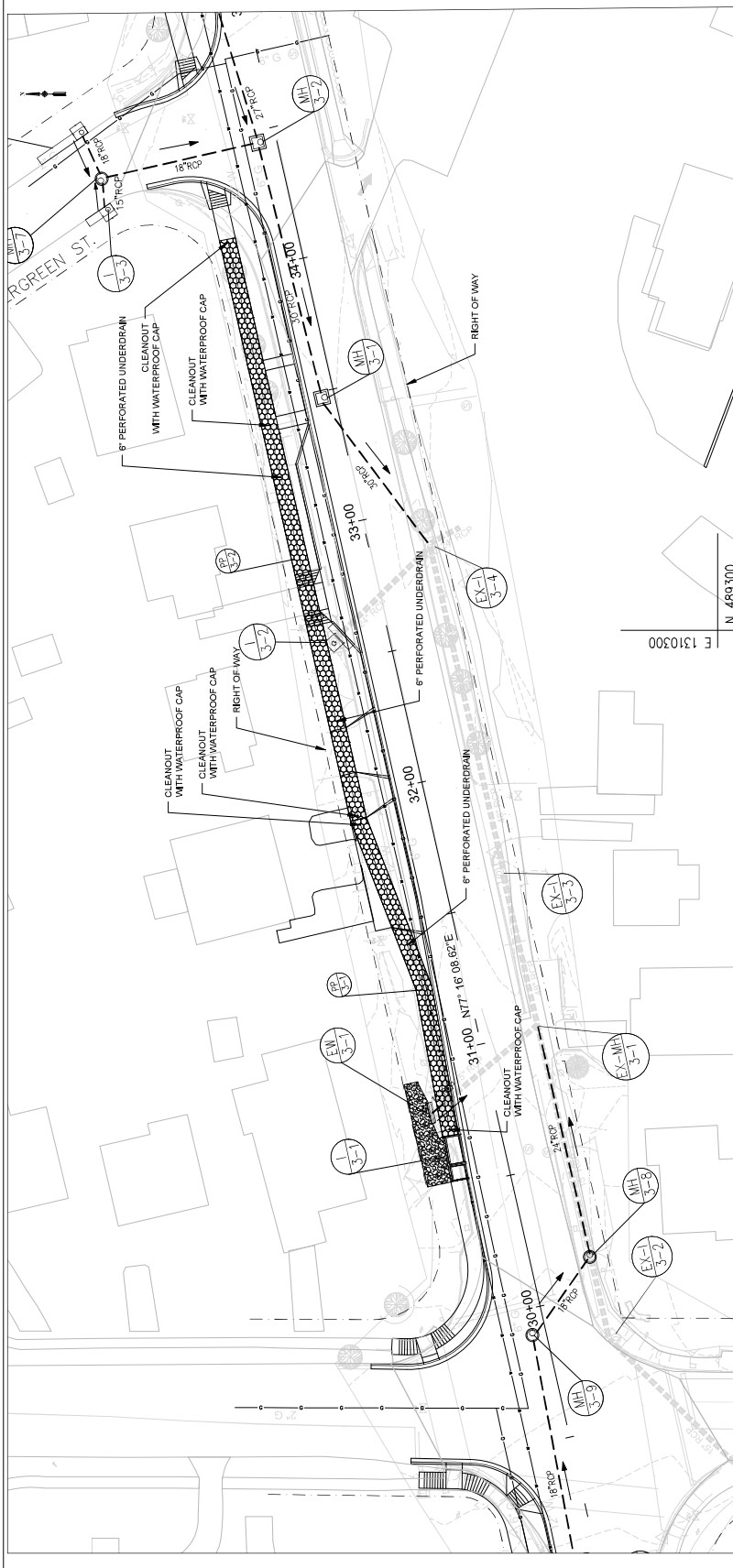
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 ROBERT L. BARTLAND

RECOMMENDED FOR APPROVAL:
 Date: _____
 Approved: _____
 Chief, Division of Transportation Engineering
 Approved By: _____ Date: _____
 Checked By: _____

OWNER/ADDRESS:
 DEPARTMENT OF TRANSPORTATION
 ROBERT L. BARTLAND
 GAITHERSBURG, MARYLAND

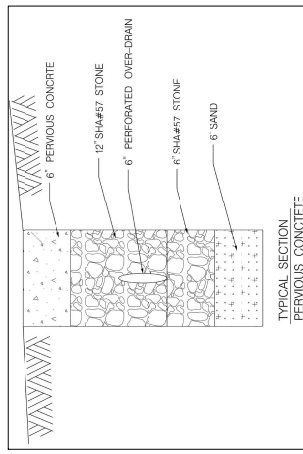
CONTACT:
 CONSULTATION ENGINEERING
 CONSTRUCTION SECTION
 240-777-7210
 240-777-7210
 240-777-7221

| NO. | REVISION | DATE | BY |
|-----|----------|------|----|
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CONSTRUCTION INSPECTION CHECK-OFF LIST FOR PERMEABLE PAVEMENTS

| STAGE | MCDPS INSPECTOR INITIALS/DATE | OWNER/DEVELOPER INITIALS/DATE |
|--|-------------------------------|-------------------------------|
| 1. Excavation to subgrade conforms to approved plans | | |
| 2. Placement and backfill of any drainage or distribution systems conforms to approved plans | | |
| 3. Placement of drainage stone conforms to approved plans | | |
| 4. Placement of surface material conforms to approved plans | | |
| 5. Final grading and pavement substitution conforms to approved plans | | |



ESD PERVIOUS CONCRETE (PP) DESIGN SUMMARY

| ESD NO. | POI | DRAINAGE AREA (AC) | IMPERV. AREA (AC) | SOIL TYPE | PE REQUIRED (R.O.W)* | PE TREATED** | ESDV PROVIDED (CF) |
|---------|-------|--------------------|-------------------|-----------|----------------------|--------------|--------------------|
| PP 3-1 | POI-3 | 0.028 | 0.013 | B/C | 2.2 | 2.6 | 126 |
| PP 3-2 | POI-3 | 0.054 | 0.037 | B/C | 2.2 | 2.6 | 338 |

*PERCENT REQUIRED TO BE TREATED FOR THE PE AND BS FACILITIES.
 **PERCENT TREATED IS PROVIDED FOR THE PE AND BS FACILITIES.

NOTE: SEE THE DETAIL PLAN SHEETS FOR THE PLANTER BOX (PB) DIMENSIONS AND TYPICAL SECTIONS

FRANKLIN AVENUE SIDEWALK IMPROVEMENT PERVIOUS CONCRETE PP 3-1 & PP 3-2

SCALE: AS SHOWN

Project No.: 286

Sheet No.: 23 of 28

MONTEGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 1000 ROCKVILLE PIKE, SUITE 100
 ROCKVILLE, MARYLAND 20858

DESIGNED BY: [Signature] DATE: [Date]
 CHECKED BY: [Signature] DATE: [Date]
 IN CHARGE: [Signature] DATE: [Date]

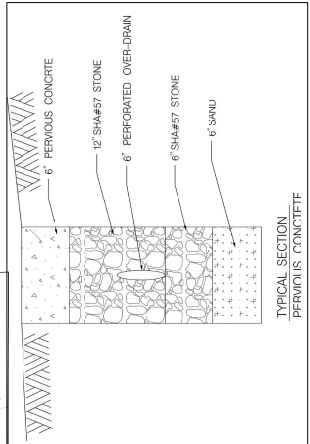
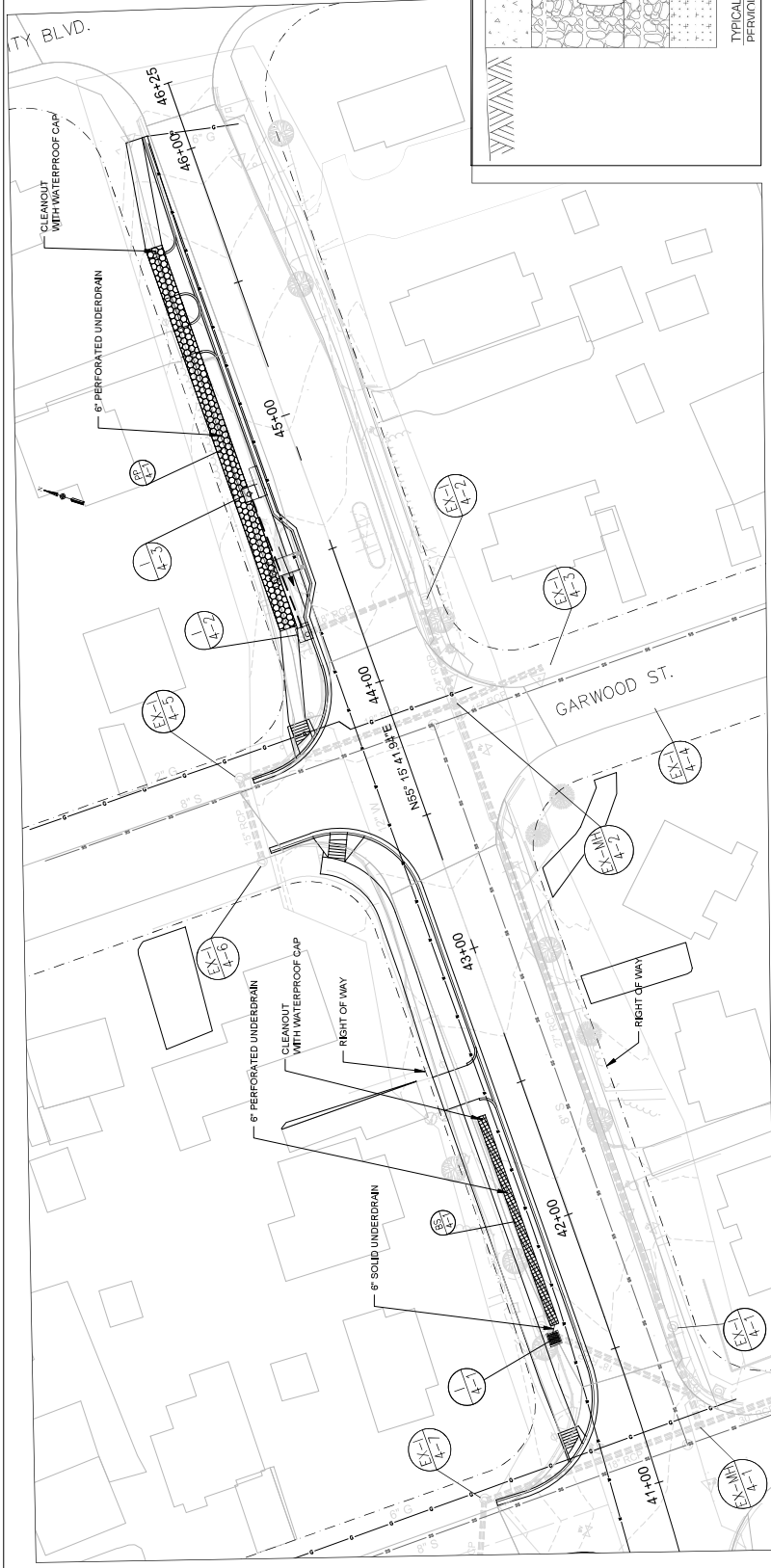
REVIEWED FOR APPROVAL: [Signature] DATE: [Date]
 CIVIL DIVISION OF TRANSPORTATION ENGINEERING

REVIEWED FOR APPROVAL: [Signature] DATE: [Date]
 STORMWATER MANAGEMENT

REVIEWED FOR APPROVAL: [Signature] DATE: [Date]
 TECHNICAL REQUIREMENTS

REVIEWED FOR APPROVAL: [Signature] DATE: [Date]
 ADMINISTRATIVE REQUIREMENTS

NOTES: MCDPS APPROVAL DOES NOT RELIEVE THE NEED OF THE OWNER TO OBTAIN NECESSARY PERMITS FROM THE APPLICABLE AGENCIES.



CONSTRUCTION INSPECTION CHECK-OFF LIST FOR PERMEABLE PAVEMENTS

| STAGE | MCDPS INSPECTOR INITIALS/DATE | OWNER DEVELOPER INITIALS/DATE |
|---|-------------------------------|-------------------------------|
| 1. Excavation to subgrade conforms to approved plans. | | |
| 2. Placement and backfill of any drainage or distribution systems conforms to approved plans. | | |
| 3. Placement of curbed stone subbase conforms to approved plans. | | |
| 4. Placement of surface material conforms to approved plans. | | |
| 5. Final grading and permanent stabilization conforms to approved plans. | | |

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR SWALES

| STAGE | MCDPS INSPECTOR INITIALS/DATE | OWNER DEVELOPER INITIALS/DATE |
|---|-------------------------------|-------------------------------|
| 1. Final grading and stabilization of permanent stabilization conforms to approved plans. | | |
| 2. Final grading and stabilization of permanent stabilization conforms to approved plans. | | |

ESD BIOSWALE (BS) AND PERVIOUS CONCRETE (PP) DESIGN SUMMARY

| ESD NO. | POI | DRAINAGE AREA (AC) | IMPERV. AREA(AC) | SOIL TYPE | PE REQUIRED (R.O.V) | PE TREATED* | ESDV PROVIDED (CF) |
|---------|-------|--------------------|------------------|-----------|---------------------|-------------|--------------------|
| BS 4-1 | POI-4 | 0.37 | 0.18 | B | 2.2 | 0.13 | 156 |
| PP 4-1 | POI-4 | 0.034 | 0.026 | B | 2.2 | 2.6 | 239 |

*THE REQUIRED PE IS CALCULATED WITH THE E.O.W.
**PARTIAL TREATMENT IS PROVIDED FOR THE PP AND BS FACILITIES.

NOTE: SEE THE DETAIL PLAN SHEETS FOR THE PLANTER BOX (PB) DIMENSIONS AND TYPICAL SECTIONS

LEGEND

- BMP-PERVIOUS CONCRETE SIDEWALK
- BMP-BIOSWALE
- BMP-PLANTER BOX

APPROVALS:

OWNER/ADDRESS: MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 1000 ROCKVILLE MARLBOROUGH GAITHERSBURG, MARYLAND

CONTACT: CONSTRUCTION SECTION
 240-777-7210
 240-777-7210
 240-777-7221

RECOMMENDED FOR APPROVAL: [Signature] DATE: _____

DESIGNED BY: [Signature] DATE: _____

DRAWN BY: [Signature] DATE: _____

CHIEF, DIVISION OF TRANSPORTATION ENGINEERING

MONITOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 PERVIOUS SERVICES APPROVED FOR: [Signature] DATE: _____

ADMINISTRATIVE REQUIREMENTS: [Signature] DATE: _____

STORMWATER MANAGEMENT: [Signature] DATE: _____

SCHEMATIC DESIGN: [Signature] DATE: _____

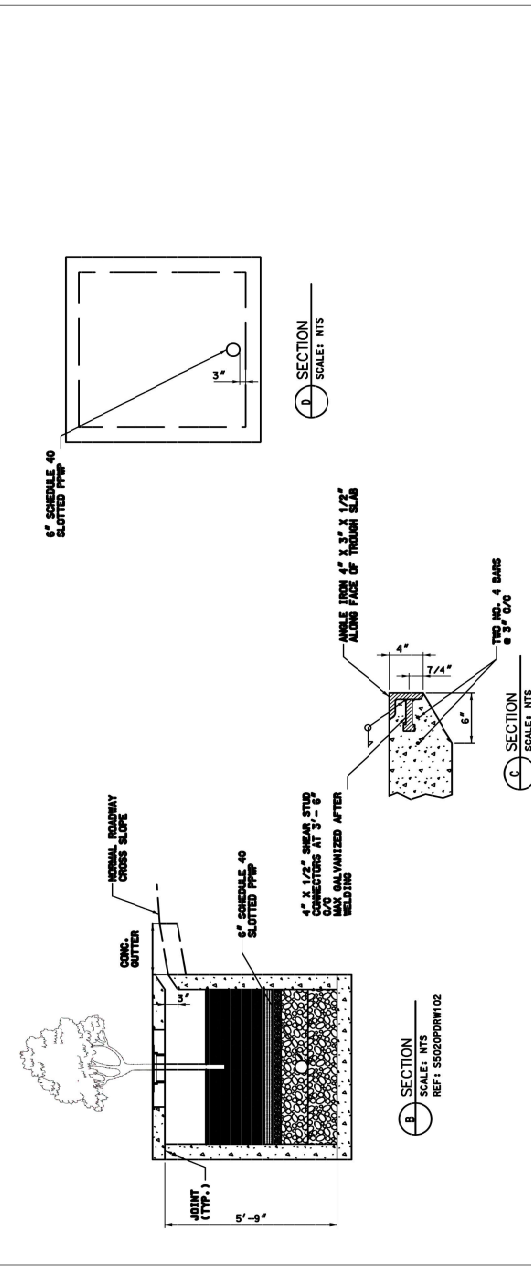
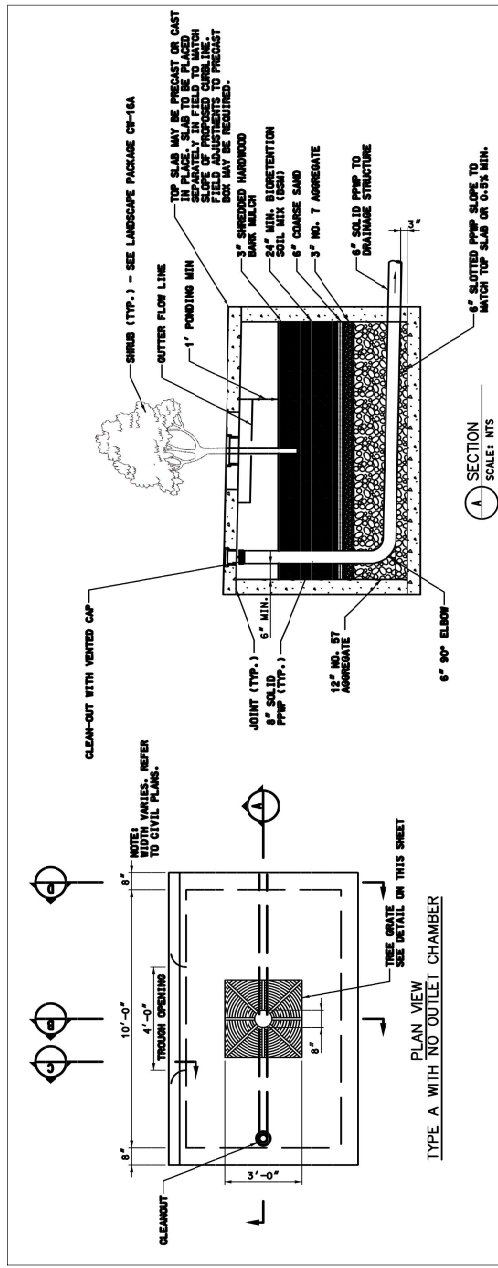
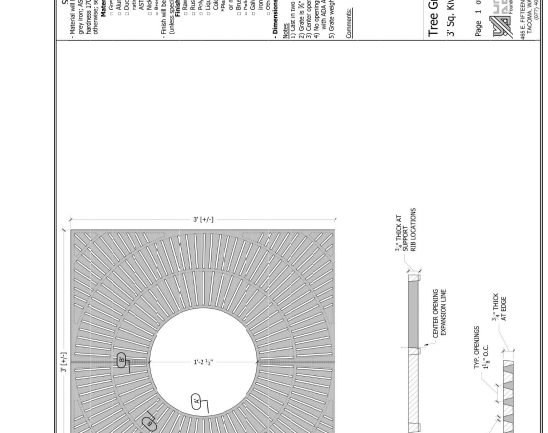
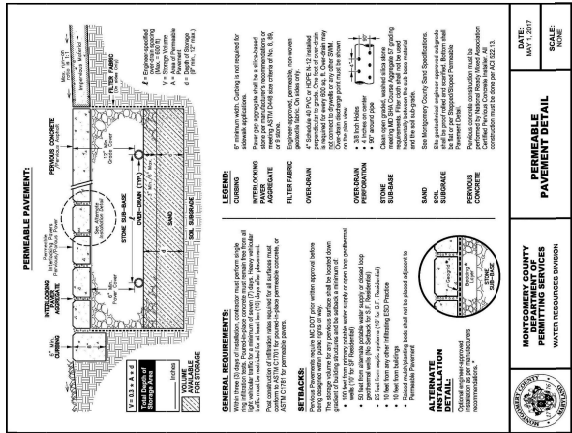
TECHNICAL REQUIREMENTS: [Signature] DATE: _____

NOTES: MCDPS APPROVAL DOES NOT AGREE TO THE NEED OF PERVIOUS SERVICES APPROVED FOR: [Signature] DATE: _____

SCALE: HAS SHOWN

PROJECT NO.: 28

SWM-04



**FRANKLIN AVENUE
SIDEWALK IMPROVEMENT
PLANTER BOX DETAILS**

SCALE: AS SHOWN

Project No.: 27 of 28

SWM-06

MONTEGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

| Reviewed | Date |
|----------|------|
| | |

Stormwater Management: **Stormwater Management**

| Reviewed | Date |
|----------|------|
| | |

Technical Requirement: **Technical**

| Reviewed | Date |
|----------|------|
| | |

Administrative Requirement: **Administrative**

| Reviewed | Date |
|----------|------|
| | |

Permit No.: 27 of 28

MONTEGOMERY COUNTY DEPARTMENT OF TRANSPORTATION SERVICES APPROVED FOR:

| Reviewed | Date |
|----------|------|
| | |

Stormwater Management: **Stormwater Management**

| Reviewed | Date |
|----------|------|
| | |

Technical Requirement: **Technical**

| Reviewed | Date |
|----------|------|
| | |

Administrative Requirement: **Administrative**

| Reviewed | Date |
|----------|------|
| | |

Permit No.: 27 of 28

MONTEGOMERY COUNTY DEPARTMENT OF TRANSPORTATION SERVICES APPROVED FOR:

| Reviewed | Date |
|----------|------|
| | |

Stormwater Management: **Stormwater Management**

| Reviewed | Date |
|----------|------|
| | |

Technical Requirement: **Technical**

| Reviewed | Date |
|----------|------|
| | |

Administrative Requirement: **Administrative**

| Reviewed | Date |
|----------|------|
| | |

Permit No.: 27 of 28

OWNER/ADDRESS:
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND
GAITHERSBURG, MARYLAND

CONTACT:
DIVISION OF TRANSPORTATION ENGINEERING
DIVISION OF TRANSPORTATION ENGINEERING
246-777-7210
246-777-7210
246-777-7210

DESIGNED BY: _____ DATE: _____

CHECKED BY: _____ DATE: _____

ENGINEERS ARCHITECTS
SHELDON ARCHITECTS
1000 W. WASHINGTON AVE., SUITE 100
ROCKVILLE, MD 20854
301-771-1111

DATE: _____ REGION: _____

FILE: C:\Users\kayec\AppData\Local\Temp\Asphalish_28620\p3w-Details.dwg

