

INDEX OF SHEETS

DESCRIPTION	SHEET NO.
TITLE SHEET	1
TYPICAL SECTIONS & DETAILS	2-3
STANDARD DETAILS	4
GEOMETRIC LAYOUT & CONSTRUCTION STAKEOUT	5
STORM DRAIN AND PAVING PLANS	6-15
DRAINAGE PROFILE	16
MAINTENANCE OF TRAFFIC PLANS	17-18
SIGNING AND STRIPING PLANS	19-28
SIGNAL MODIFICATION PLANS	29-30
LIGHTING NOTES, DETAILS AND PLANS	31-32
EROSION & SEDIMENT CONTROL NOTES, DETAILS AND PLANS	33-37

CITY OF ROCKVILLE, MD DEPARTMENT OF PUBLIC WORKS NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT

**STANDARD SPECIFICATIONS BOOK,
BOOK OF STANDARDS AND MUTCD**

ALL WORK ON THIS PROJECT SHALL CONFORM TO THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION'S (SHA) SPECIFICATIONS ENTITLED: STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS DATED JULY 2021, REVISIONS THEREOF OR ADDITIONS THERETO; THE SPECIAL PROVISIONS INCLUDED IN THE INVITATION FOR BIDS BOOK; AND THE LATEST MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MD-MUTCD).

MAINTENANCE OF TRAFFIC NOTES

FOLLOW SHA WORK ZONE TEMPORARY TRAFFIC CONTROL STANDARDS AND SPECIAL PROVISIONS FOR MOT. MAINTAIN PEDESTRIAN ACCESSIBILITY AT ALL TIMES.

RIGHT OF WAY

RIGHT OF WAY LINES SHOWN ON THESE PLANS ARE FOR ASSISTANCE IN INTERPRETING THE PLANS AND ARE NOT OFFICIAL FOR FEE RIGHT OF WAY INFORMATION. SEE APPROPRIATE RIGHT OF WAY PLATS.

UTILITIES

THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE OF THE ACCURACY OF SAID LOCATIONS. THE CONTRACTOR IS RESPONSIBLE TO LOCATE, DELINEATE, AND AVOID ALL EXISTING UTILITIES.

TOPOGRAPHIC SURVEY

THIS PROJECT IS ORIENTATED TO THE MARYLAND STATE PLANE COORDINATION SYSTEM NAD 83/91, AND NAVD 88. BASE TOPOGRAPHIC INFORMATION WITHIN THE PROJECT LIMIT WAS ESTABLISHED FROM FIELD SURVEY CONDUCTED IN SEPTEMBER 2021. GIS MAPPING SHOWN OUTSIDE THE PROJECT LIMIT OF DISTURBANCE WAS ESTABLISHED FROM AS-BUILTS PROVIDED BY THE CITY OF ROCKVILLE, AND AERIAL IMAGERY.

CITY OF ROCKVILLE GENERAL NOTES:

- THE APPLICANT IS THE ENTITY FOR WHICH THE CITY OF ROCKVILLE DEPARTMENT OF PUBLIC WORKS (DPW) HAS ISSUED A PERMIT. FOR DPW PERMITS 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.
- THE APPLICANT MUST ARRANGE A PRE-CONSTRUCTION MEETING PRIOR TO COMMENCING ANY WORK. PROVIDE AT LEAST 48 HOURS OF NOTICE TO THE FOLLOWING: CITY PUBLIC INSPECTOR LISTED IN THE PERMIT; CITY FORESTRY INSPECTOR AT 240-314-8915; IF REQUIRED BY EITHER A DPW AND/OR FORESTRY PERMIT, OR DPW SEDIMENT CONTROL INSPECTOR AT 240-314-8879, IF REQUIRED BY PERMIT.
- 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.
- 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 CROSSING 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.
- 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.
- 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 NOTICED (RECESSED) AND PLANNED 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.
- THE PUBLIC ROAD UTILITY PATCH SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL #60, CONTAINED HEREIN, OR AS SHOWN ON THE PLANS. ALL TRENCHES IN PUBLIC STREETS SHALL BE FILLED WITH COMPACTED GRANULAR 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.
- DPW NORMAL WORKING HOURS ARE MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS, FROM 8:30 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 OR AUTHORIZED BY DPW IN WRITING. THE CONTRACTOR, WITH WRITTEN 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 SERVICE.
- 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, INCIDENT WEATHER EVENTS.
- 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.
- 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.
- 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 CONSTRUCTION. ALL PIPES AND STRUCTURES IN PAVED AREAS SHALL BE DESIGNED FOR 45-20 VEHICLES LOADING.
- UPON COMPLETION OF CONSTRUCTION, THE APPLICANT SHALL PROVIDE THREE SETS OF RED LINED AS-BUILT PRINTS (24"x36") FOR REVIEW AND APPROVAL BY THE CITY. THE DRAWINGS MUST CONTAIN THE ORIGINAL APPROVAL SIGNATURES AND PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE (A SCANNED IMAGE OF THE ORIGINAL MULAR IS ACCEPTABLE). THE AS-BUILT SHALL BE SEALED BY A 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 TO THE CITY. UPON RECEIPT OF WRITTEN APPROVAL, THE APPLICANT SHALL PROVIDE APPROVED AS-BUILT MULAR DRAWING ALONG WITH THE ORIGINAL MULARS (WITH ALL ORIGINAL SIGNATURES) TO CITY PRIOR TO THE RELEASE OF THE PERMIT.
- THE APPLICANT MUST COMPLY WITH THE MONTGOMERY COUNTY NOISE CONTROL ORDINANCE. PLEASE REFER TO THE MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AT 240-777-7700, ASSESS@MONTGOMERYCOUNTY.GOV, OR WWW.MONTGOMERYCOUNTY.GOV/DEP.

NOTES:

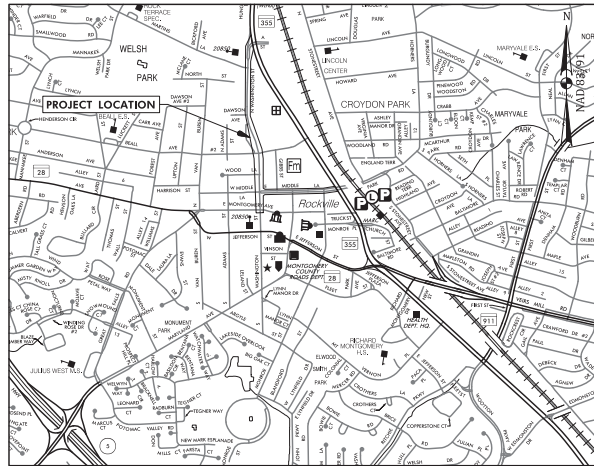
- JOB SAFETY AND TRAFFIC CONTROL SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFORM TO ALL LAWS AND REGULATIONS IN REGARD TO WORK AREAS OR ADJACENT TO OVERHEAD POWER LINES.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
- THE CONTRACTOR SHALL NOTE THAT IN CASE OF A DISCREPANCY BETWEEN SCALED AND COMPUTED DIMENSIONS SHOWN ON THESE PLANS, THE COMPUTED DIMENSIONS SHALL GOVERN.

UTILITY CONTACTS

AT&T TRANS	800-252-1133
CITY OF ROCKVILLE/ PMP/NET UNDERGROUND	301-868-6863
CITY OF ROCKVILLE	240-314-8577
FIBER/LIGHT/ SUNBELT TELECOM	727-596-1500
LEVELS NOW CENTURY LINK	877-366-9344
MD	800-393-3427
MONTGOMERY COUNTY GOVERNMENT	786-345-0391
PEPCO	301-200-0355
VERIZON	301-200-0355
WASHINGTON GAS	301-200-0355

NOTES:

- CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.



VICINITY MAP

SCALE: 1"= 1000'
THE CITY OF ROCKVILLE IS LOCATED WITHIN THE ROCK CREEK WATERSHED. THIS PLANSET IS FOR PUBLIC IMPROVEMENTS ONLY.

CONVENTIONAL SIGNS

PROPOSED MEDIAN BARRIER	[Symbol]	PROPOSED PIPE / CULVERT	[Symbol]
ELECTRICAL HANDBOX - SIGNALS	[Symbol]	EXISTING PIPE / CULVERT	[Symbol]
FLOW LINE	[Symbol]	EXISTING DROP INLET	[Symbol]
STATE, COUNTY OR CITY LINES	[Symbol]	UTILITY POLE	[Symbol]
PROPOSED TRAFFIC BARRIER	[Symbol]	WETLAND	[Symbol]
EXISTING TRAFFIC BARRIER	[Symbol]	WETLAND BUFFER	[Symbol]
PROPOSED FENCE LINE	[Symbol]	WATERS OF THE U.S.	[Symbol]
EXISTING FENCE LINE	[Symbol]	EDGE / TREE LINE	[Symbol]
RIGHT OF WAY LINE	[Symbol]	BUSH / TREE	[Symbol]
EXISTING ROADWAY	[Symbol]	CONIFEROUS TREE	[Symbol]
RAILROAD	[Symbol]	GROUND ELEVATION	[Symbol]
BASE LINE OR SURVEY LINE	[Symbol]	GRADE ELEVATION	[Symbol]
FIRE HYDRANT	[Symbol]		
HISTORIC BOUNDARY	[Symbol]		
WATERS OF THE U.S.	[Symbol]		

**100%
Final
Design**

SWM CONCEPT SUMMARY TABLE	
GENERAL PROPERTY INFORMATION	
SMCW :	
TYPE OF CONCEPT: COMBINED STORMWATER CONCEPT PLAN	
DEVELOPMENT REVIEW PROCESS/CASE NO.:	PAM PLAN FOR STP
PROPERTY ADDRESS:	NORTH WASHINGTON STREET AND EAST MIDDLE LANE
PROPERTY LEGAL DESCRIPTION:	SUBDIVISION: N/A
LOTS:	N/A
BLOCKS:	N/A
PARCEL:	N/A
PROPERTY SIZE (AC/SO.FT.):	N/A (PUBLIC ROW)
TOTAL CONCEPT AREA (AC/SO.FT.):	318.770 SQ. FT. = 7.32 AC
ZONING:	PD, MXCD, MXNC, MXTD
WATERSHED:	ROCK CREEK
100YR FLOODPLAIN:	ZONE X
EX.% IMPERVIOUS/REDEVELOPMENT OR NEW DEVELOPMENT:	100% IMPERVIOUS/REDEVELOPMENT
STORMWATER SUMMARY	
TOTAL ONSITE IMPERVIOUS AREA SUBJECT TO SWM:	0.25 AC
REQUIRED PE / PROPOSED PE:	1.0"/0.0"
TARGET ESDV / PROVIDED ESDV:	1,328 CF / 0 CF
ESD MEASURES:	NONE
STRUCTURAL STORAGE REQUIRED / PROVIDED:	NONE
STRUCTURAL MEASURES:	NONE
Qp10(10-YEAR QUANTITY CONTROL MEASURES):	NONE
CONTIGUOUS RIGHT-OF-WAY IMPERVIOUS AREA SUBJECT TO SWM:	0.25 AC
CONTIGUOUS RIGHT-OF-WAY Cdv(CHANNEL PROTECTION VOLUME) & WQv(WATER QUANTITY VOLUME) MEASURES:	NONE
CONTIGUOUS RIGHT-OF-WAY Qp10(10-YEAR QUANTITY CONTROL) MEASURES:	NONE
OTHER INFORMATION:	SWM MEASURES = FEE IN LIEU

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. 39917.
Expiration Date:
January 18, 2023

Seth H. Darlington
sdarlington@wallacemontgomery.com



DATE SUBMITTED	DATE	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE
APRIL 2022						

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

DESIGNED: [Signature] Craig L. Simonsau
DRAFTED: 2022.04.19
CHECKED: 17:31:25-04/20/22

DESIGN PLAN APPROVAL
PKM: EPM2022-00045 SCP#
SMP#

AS BUILT PLAN APPROVAL
TITLE SHEET

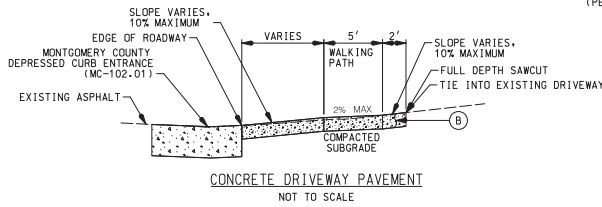
CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE

NORTH WASHINGTON STREET AND EAST MIDDLE LANE
ROAD DIET PROJECT
Election District No. 2 City of Rockville, Maryland

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

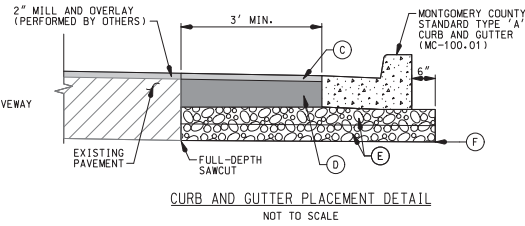
SCALE	SHEET	FILE #
NOT TO SCALE	NO. 1 OF 37	

N. WASHINGTON STREET AND E. MIDDLE LANE ROAD DIET PROJECT



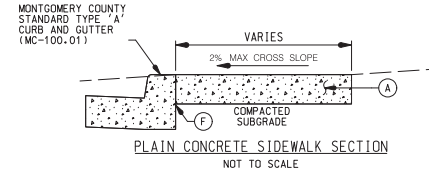
NOTE:

- SEE DETAIL E - DRIVEWAY APRON WITHOUT BUFFER CITY OF ROCKVILLE STANDARD NO. CM-2-1, ON SHEET 4



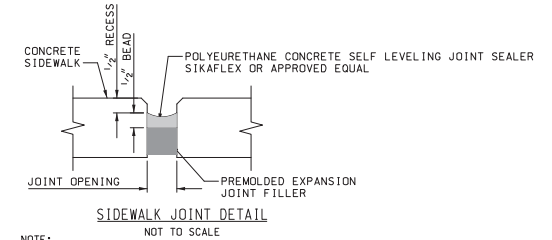
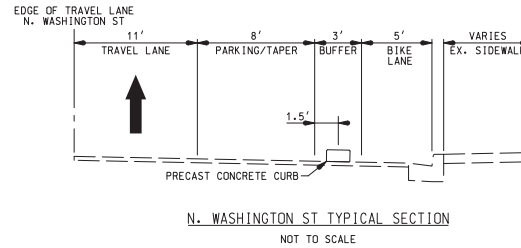
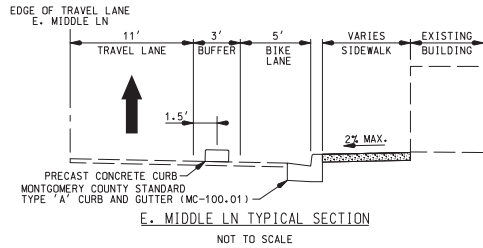
CURB AND GUTTER PLACEMENT NOTES:

- FULL DEPTH RECONSTRUCTION FOR SLOT BACKFILL SHALL BE INCIDENTAL TO CURB AND GUTTER REPLACEMENT



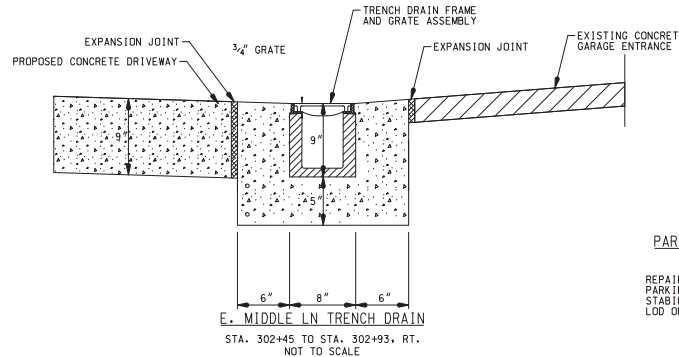
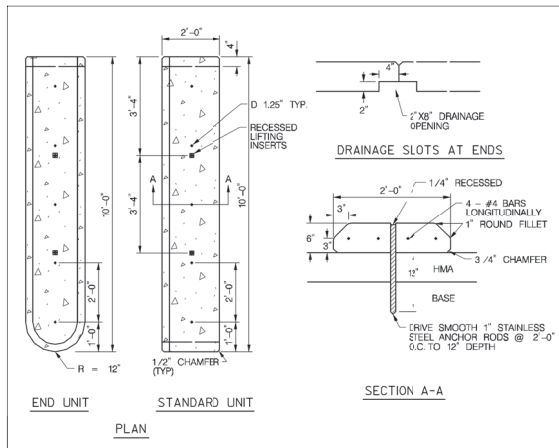
DETAIL LEGEND

- (A) 4" CONCRETE SIDEWALK
- (B) 9" PLAIN CONCRETE
- (C) 2" HMA SUPERPAVE, 9.5MM FOR SURFACE, PG 64-22, LEVEL 2 (PRICE INCIDENTAL TO CONCRETE CURB)
- (D) 6" HMA SUPERPAVE, 19.0MM FOR BASE, PG 64-22, LEVEL 2 OR MATCH EXISTING SECTIONS DEPTH. PLACED IN TWO LIFTS (PRICE INCIDENTAL TO CONCRETE CURB)
- (E) 4" GRADED AGGREGATE BASE (PRICE INCIDENTAL TO CONCRETE CURB)
- (F) LIMITS OF EXCAVATION



NOTE:

- ALL CONCRETE EXPANSION JOINTS BETWEEN SIDEWALK PANELS AND WHERE SIDEWALK MEETS EXISTING SIDEWALK OR BUILDING MUST BE SEALED USING THIS METHOD. JOINT SEALING SHALL BE INCIDENTAL TO THE SIDEWALK PAY ITEM.



NOTES:

- TRENCH DRAIN GRATE SHALL BE CAST IRON, ANCHORED IN PLACE, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND ADA COMPLIANT.
- USE SWIFTDRAIN 300 HEAVY DUTY TRENCH DRAIN OR AN APPROVED EQUIVALENT.



PARKING METER (TYP)

- NOT TO SCALE
- REPAIR 1'x1' CONCRETE PATCH AT EACH PARKING METER INSTALLATION. STABILIZE DISTURBANCE THE SAME DAY. LOD OFF-SET FROM PATCH FOR CLARITY.

MONTGOMERY COUNTY MODIFIED STD. 100.01 - SPILL CONCRETE CURB AND GUTTER

NOT TO SCALE

NOTES:

- THE SLOPE (*) OF A SPILL CONCRETE CURB AND GUTTER PAN SHALL BE EQUAL TO THE CROSS SLOPE OF ROADWAY PAVING.



APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL				
DATE SUBMITTED:	SCALE	SHEET	FILE #	
APRIL 2022	NOT TO SCALE	NO. 2	OF 37	
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

WALLACE MONTGOMERY
CONSULTANTS
1100 W. WASHINGTON ST., SUITE 200
ROCKVILLE, MD 20854
TEL: 301-981-2000
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO EXCAVATION.

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

DESIGNED: _____
DRAFTED: _____
CHECKED: _____

DESIGN PLAN APPROVAL
Craig L. Simonescu
2022.04.19
17:21:28/04/2022

AS BUILT PLAN APPROVAL

REVIEWED BY: _____
REVISIONS: _____

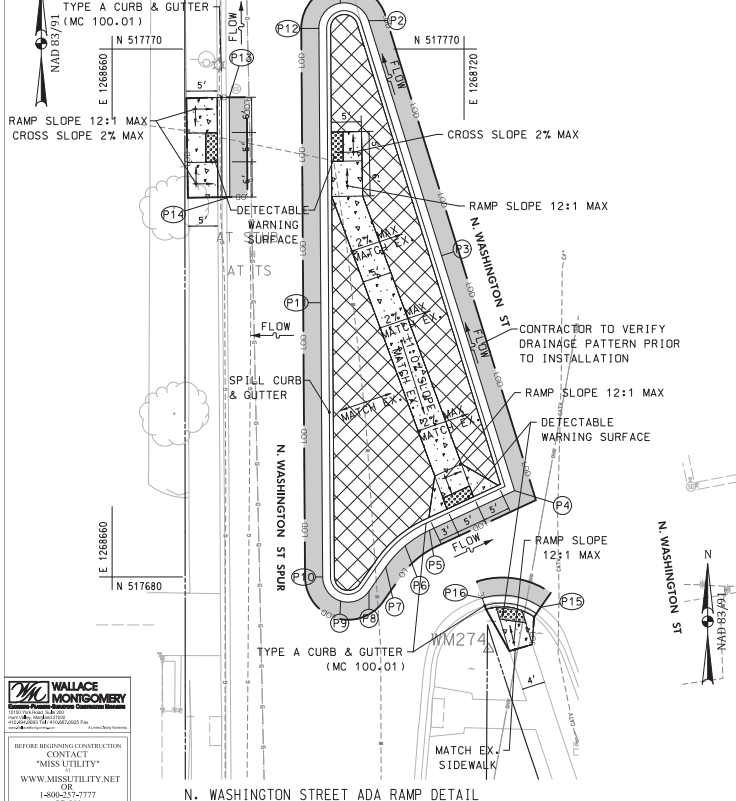
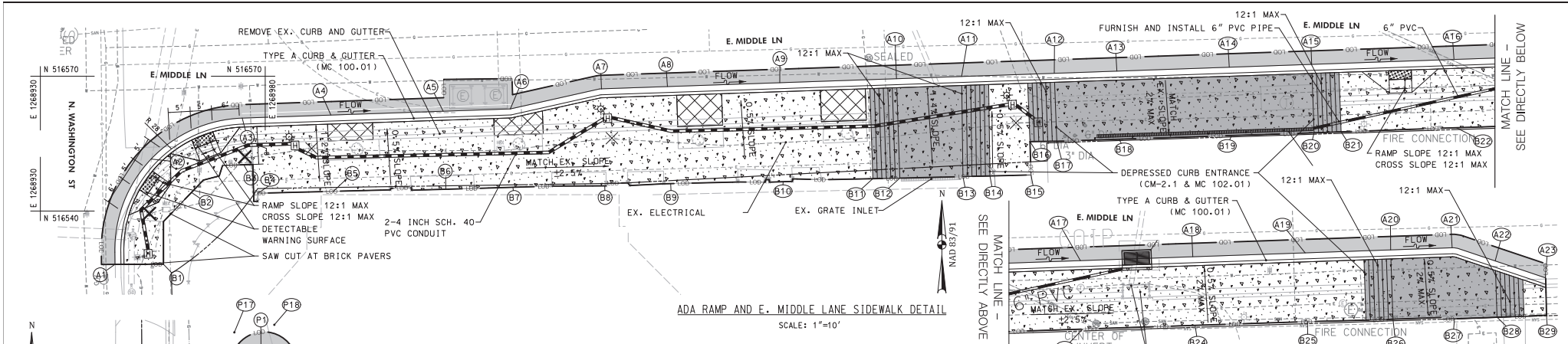
APPROVAL DATE: _____

CHEF, CONSTRUCTION MANAGEMENT

TYPICAL SECTIONS AND DETAILS

NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT
Election District No. 2 City of Rockville, Maryland

DATE SUBMITTED: APRIL 2022
SCALE: NOT TO SCALE
SHEET NO. 2 OF 37
FILE #



PROPOSED CURB STAKEOUT - N. WASHINGTON ST

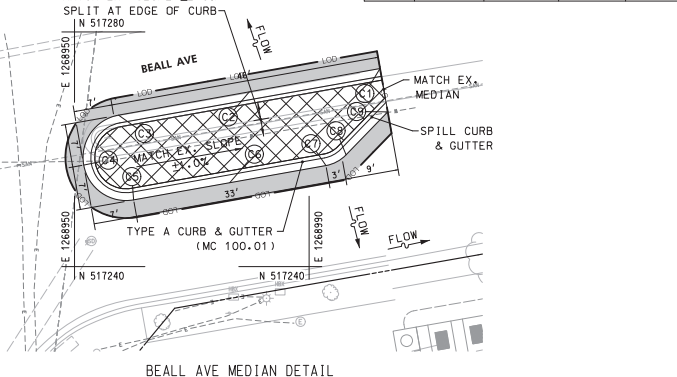
POINT NO.	STA. ON R. OF ROADWAY	OFFSET FROM R. OF ROADWAY	EDGE OF GUTTER ELEVATION	PROPOSED	EXISTING
P1	111488.89	29.5'	450.4	450.4	
P2	111492.66	25.4'	450.5	450.5	
P3	112353.57	21.7'	450.7	450.7	
P4	112474.69	19.6'	450.8	450.8	
P5	112477.28	35.3'	451.3	451.3	
P6	112478.66	40.0'	451.6	451.6	
P7	112481.16	44.2'	451.7	451.7	
P8	112434.22	48.1'	451.8	451.8	
P9	112484.49	53.2'	451.9	451.9	
P10	112479.92	55.0'	451.7	451.7	
P11	112436.53	43.6'	451.0	451.0	
P12	111492.32	34.0'	450.3	450.3	
P13	112400.53	51.2'	450.1	450.1	
P14	112416.41	54.7'	450.2	450.2	
P15	112494.67	20.7'	450.8	450.8	
P16	112490.50	29.8'	451.0	451.0	
P17	111485.00	34.8'	450.3	450.3	
P18	111485.00	25.7'	450.5	450.5	

PROPOSED CURB STAKEOUT - E. MIDDLE LN

POINT NO.	STA. ON R. OF ROADWAY	OFFSET FROM R. OF ROADWAY	EDGE OF GUTTER ELEVATION	PROPOSED	EXISTING
A1	300425.19	53.3'	447.8	447.8	
A2	300414.72	30.2'	446.4	446.4	
A3	300455.28	21.7'	445.5	445.5	
A4	300475.00	21.7'	444.4	444.4	
A5	301400.00	21.7'	443.1	443.1	
A6	301400.00	21.7'	442.1	442.1	
A7	301414.92	17.9'	440.7	440.7	
A8	301435.12	17.9'	439.7	439.7	
A9	301450.00	17.9'	438.3	438.3	
A10	301475.00	17.9'	437.0	437.1	
A11	302400.96	17.9'	436.5	436.5	
A12	302415.41	17.8'	435.8	435.9	
A13	302436.07	17.8'	435.4	435.4	
A14	302450.00	17.8'	434.8	434.8	
A15	302475.00	17.8'	434.2	434.2	
A16	302493.33	17.8'	433.2	433.2	
A17	303425.00	17.7'	432.4	432.5	
A18	303450.00	17.7'	431.8	431.9	
A19	303475.00	17.7'	431.4	431.4	
A20	304400.00	17.6'	431.0	431.0	
A21	304419.01	17.4'	430.8	430.8	
A22	304442.16	20.9'	430.6	430.6	
A23	304453.19	25.0'	430.3	430.3	

PROPOSED SIDEWALK STAKEOUT - E. MIDDLE LN

POINT NO.	STA. ON R. OF ROADWAY	OFFSET FROM R. OF ROADWAY	BACK OF SIDEWALK ELEVATION	PROPOSED	EXISTING
B1	300425.19	53.7'	448.0	448.0	
B2	300414.72	31.8'	446.9	446.9	
B3	300455.28	32.1'	446.2	446.2	
B4	300475.20	38.6'	446.2	446.2	
B5	300475.00	38.7'	445.1	445.1	
B6	301400.00	39.1'	443.4	443.4	
B7	301400.00	39.1'	442.4	442.4	
B8	301414.92	39.5'	440.9	440.9	
B9	301435.12	39.5'	440.0	440.0	
B10	301450.00	39.9'	438.5	438.5	
B11	301494.96	39.9'	437.1	437.1	
B12	301475.00	40.0'	436.7	436.7	
B13	302400.96	40.1'	436.4	436.4	
B14	302421.00	40.2'	EXISTING	EXISTING	
B15	302490.14	40.3'	EXISTING	EXISTING	
B16	302490.14	32.8'	436.1	436.1	
B17	302415.41	33.0'	435.4	435.4	
B18	302456.07	33.0'	435.1	435.1	
B19	302450.00	33.0'	434.6	434.6	
B20	302475.00	33.0'	434.3	434.3	
B21	302499.37	33.0'	434.1	434.1	
B22	302493.33	33.0'	433.7	433.6	
B23	303425.00	33.0'	433.0	433.0	
B24	303450.00	33.0'	432.4	432.4	
B25	303475.00	33.0'	431.8	431.8	
B26	304400.00	33.1'	431.4	431.4	
B27	304419.01	33.5'	431.2	431.1	
B28	304442.16	33.4'	431.0	431.0	
B29	304453.19	33.3'	430.9	430.9	



- LEGEND
- PROPOSED PLAIN CONCRETE SIDEWALK
 - PROPOSED FULL DEPTH RECONSTRUCTION
 - COMMERCIAL/MIXED-USE DRIVEWAY APRON
 - PROPOSED DETECTABLE WARNING SURFACE
 - REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
 - PROPOSED CURB AND GUTTER
 - EXISTING CURB AND GUTTER
 - EXISTING TREE
 - LIMIT OF DISTURBANCE
 - REMOVE AND REPLACE PUSH BUTTON
 - EXISTING LIGHT POLE TO BE RELOCATED
 - RELOCATED LIGHT POLE
 - 2 - 4 INCH SCHEDULE 40 PVC CONDUITS
 - 2 INCH SCHEDULE 40 PVC CONDUIT
 - ELECTRICAL MANHOLE
 - PROPOSED COMBINATION INLET PROTECTION
 - PROPOSED INLET
 - 8 INCH TRENCH DRAIN
 - 6" PVC PIPE
 - DOUBLE/SINGLE PARKING METER

PROPOSED CURB STAKEOUT - N. WASHINGTON ST

POINT NO.	STA. ON R. OF ROADWAY	OFFSET FROM R. OF ROADWAY	EDGE OF GUTTER ELEVATION	PROPOSED	EXISTING
C1	111740.85	95.3'	EXISTING	EXISTING	
C2	111742.40	73.3'	444.4	444.4	
C3	111744.08	50.8'	444.6	444.6	
C4	111751.36	44.1'	444.7	444.7	
C5	111757.31	52.2'	444.5	444.5	
C6	111755.68	68.8'	444.3	444.3	
C7	111754.15	85.3'	444.1	444.1	
C8	111752.80	88.9'	444.1	444.1	
C9	111747.12	96.5'	EXISTING	EXISTING	

WALLACE MONTGOMERY
CONSULTANTS
1100 W. GREENSBORO AVENUE
SUITE 200
ROCKVILLE, MD 20858
TEL: 301-981-9300
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION
CONTACT
"MISS UTILITY"
WWW.MISSUTILITY.NET
1-800-251-7777
FOR HELP
AT LEAST 48 HOURS
PRIOR TO CONSTRUCTION



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

DATE SUBMITTED: APRIL 2022

SCALE: 1"=10'

SHEET NO. 3 OF 37

FILE #

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

DESIGNED: _____
DRAFTED: _____
CHECKED: _____

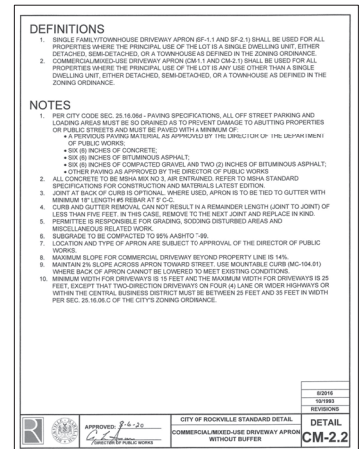
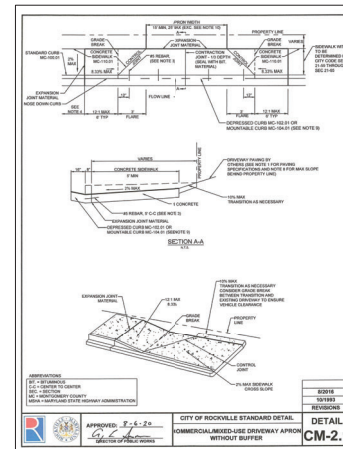
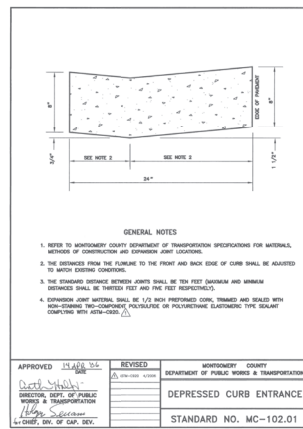
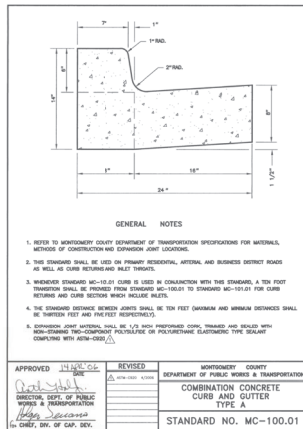
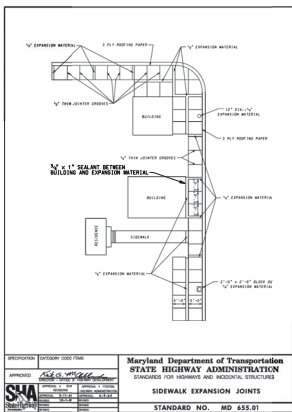
DESIGN PLAN APPROVAL
Craig L. Simonau
2022.04.19 17:31:27-0400
DIR. OF PUBLIC WORKS

AS BUILT PLAN APPROVAL

CHIEF, CONSTRUCTION MANAGEMENT

TYPICAL SECTIONS & DETAILS

NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT
Election District No. 2 City of Rockville, Maryland



DETAIL A - SIDEWALK EXPANSION JOINTS
 MODIFIED SHA STANDARD NO. MD 655.01

NOTES:

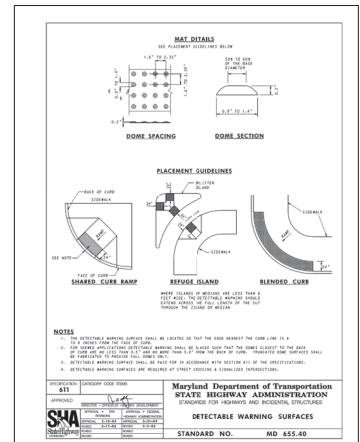
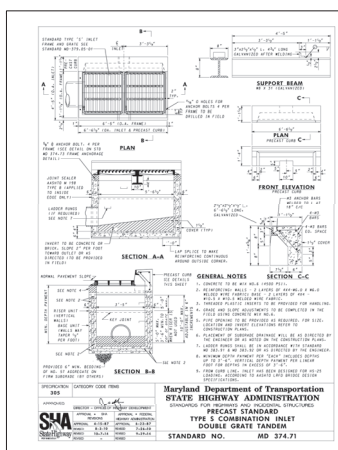
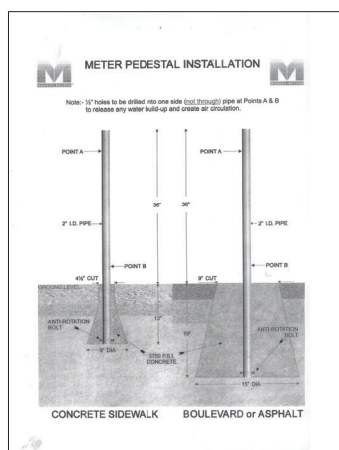
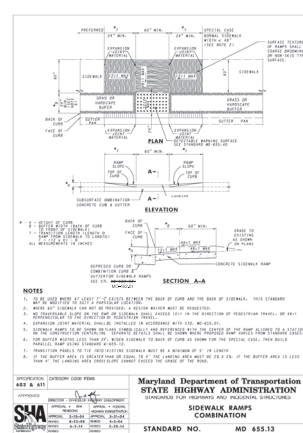
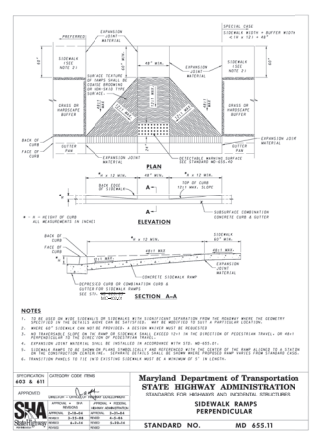
- EXPANSION MATERIAL SHALL BE APPLIED TO ANY ADJUSTED MANHOLES, STREET LIGHT POLES, SIGNAL POLES, HAND BOXES AND PIPES.

DETAIL B - TYPE 'A' COMBINATION CONCRETE CURB & GUTTER
 MONTGOMERY COUNTY STANDARD NO. MC-100.01

DETAIL C - DEPRESSED CURB ENTRANCE
 MONTGOMERY COUNTY STANDARD NO. MC-102.01

DETAIL D - DRIVEWAY APRON WITHOUT BUFFER
 CITY OF ROCKVILLE STANDARD NO. CM-2.1

DETAIL E - DRIVEWAY APRON WITHOUT BUFFER
 CITY OF ROCKVILLE STANDARD NO. CM-2.2



DETAIL F - SIDEWALK RAMPS PERPENDICULAR
 STANDARD NO. MD 655.11

NOTES:

- WHEN SIDE FLARE IS NOT PART OF THE WALKING PATH, THE SLOPE MAY BE GREATER THAN 12:1
- SIDE FLARES FOR THIS PROJECT HAVE BEEN DESIGNED TO BE 2' WIDE AT THE CURB.

DETAIL G - SIDEWALK RAMPS COMBINATION
 STANDARD NO. MD 655.13

DETAIL H - METER PEDESTAL INSTALLATION

NOTES:

- CITY POLICE WILL INSTALL AND FURNISH THE METER HEADS
- RECONSTRUCTION OF SIDEWALK, SAWCUT, AND EXCAVATION WILL BE INCIDENTAL TO THE METER POLE INSTALLATION.

DETAIL I - TYPE S COMBINATION INLET
 STANDARD NO. MD 374.71

DETAIL J - DETECTABLE WARNING SURFACES
 STANDARD NO. MD 655.40

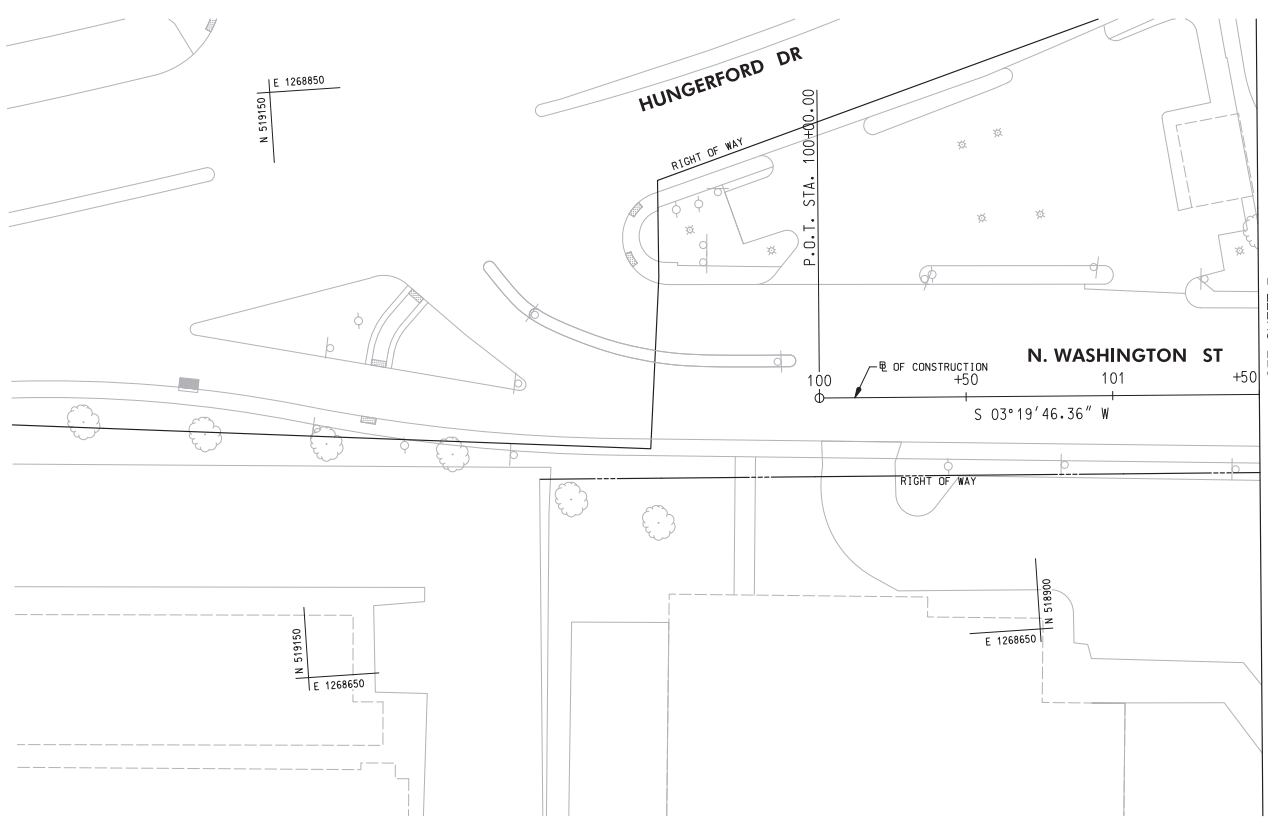
WALLACE MONTGOMERY
 BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" OR WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	<p>DESIGNED: _____</p> <p>DRAFTED: _____</p> <p>CHECKED: _____</p>	<p>DESIGN PLAN APPROVAL</p> <p><i>[Signature]</i> Craig L. Simonsu 2022.04.19 17:31:28+0000</p> <p>PK# <u>PM2022-00045</u> SCP# _____</p> <p>SMP# _____</p> <p>DIRECTOR OF PUBLIC WORKS APPROVAL DATE</p>		<p>AS BUILT PLAN APPROVAL</p> <p>_____</p> <p>CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE</p>		<p>STANDARD DETAILS</p>	<p>NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT</p> <p>Election District No. 2 City of Rockville, Maryland</p>	<p>DATE SUBMITTED: APRIL 2022</p> <p>SCALE: 1"=20'</p> <p>SHEET NO. 4 OF 37</p> <p>FILE # _____</p>																																																
		<p>APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL</p> <table border="1"> <thead> <tr> <th>DESCRIPTION OF REVISION</th> <th>P.E. INITIAL</th> <th>DATE</th> <th>DPW</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		DESCRIPTION OF REVISION	P.E. INITIAL				DATE	DPW	DATE																																													
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																																																				



UTILITY CONTACTS	
AT&T TRANS	800-252-1133
CITY OF ROCKVILLE/ PIMPOINT UNDERGROUND	301-968-6803
CITY OF ROCKVILLE	282-34-8577
FIBERLIGHT/ SUNBELT TELECOM	727-596-1500
LEVEL3 NOW CENTURY LINK	877-366-8344
MC	800-289-3422
MONTGOMERY COUNTY GOVERNMENT	796-346-0399
PEPCO	301-210-0355
VERIZON	301-210-0355
WASHINGTON GAS	301-210-0355

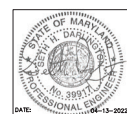
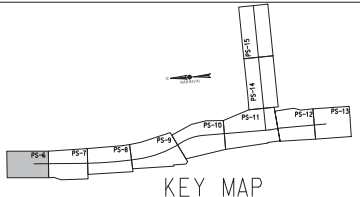
- NOTES:
1. CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
 2. N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



MATCH LINE 101+50 - SEE SHEET 7

WALLACE MONTGOMERY
INCORPORATED
1100 N. GREENSBORO RD.
SUITE 100
ROCKVILLE, MD 20850
TEL: 301-983-1100
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION
CONTACT
"MISS UTILITY"
WWW.MISSUTILITY.NET
OR
1-800-251-7777
FOR 24 HOURS
AT LEAST 48 HOURS
PRIOR TO CONSTRUCTION



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:30-04/09 P.W.# <u>PM2022-00045</u> SCP# _____ SMP# _____ REVIEWED BY _____ DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE 1"=20'	SHEET NO. <u>6</u> OF <u>37</u>	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL								

C-1

CURVE DATA

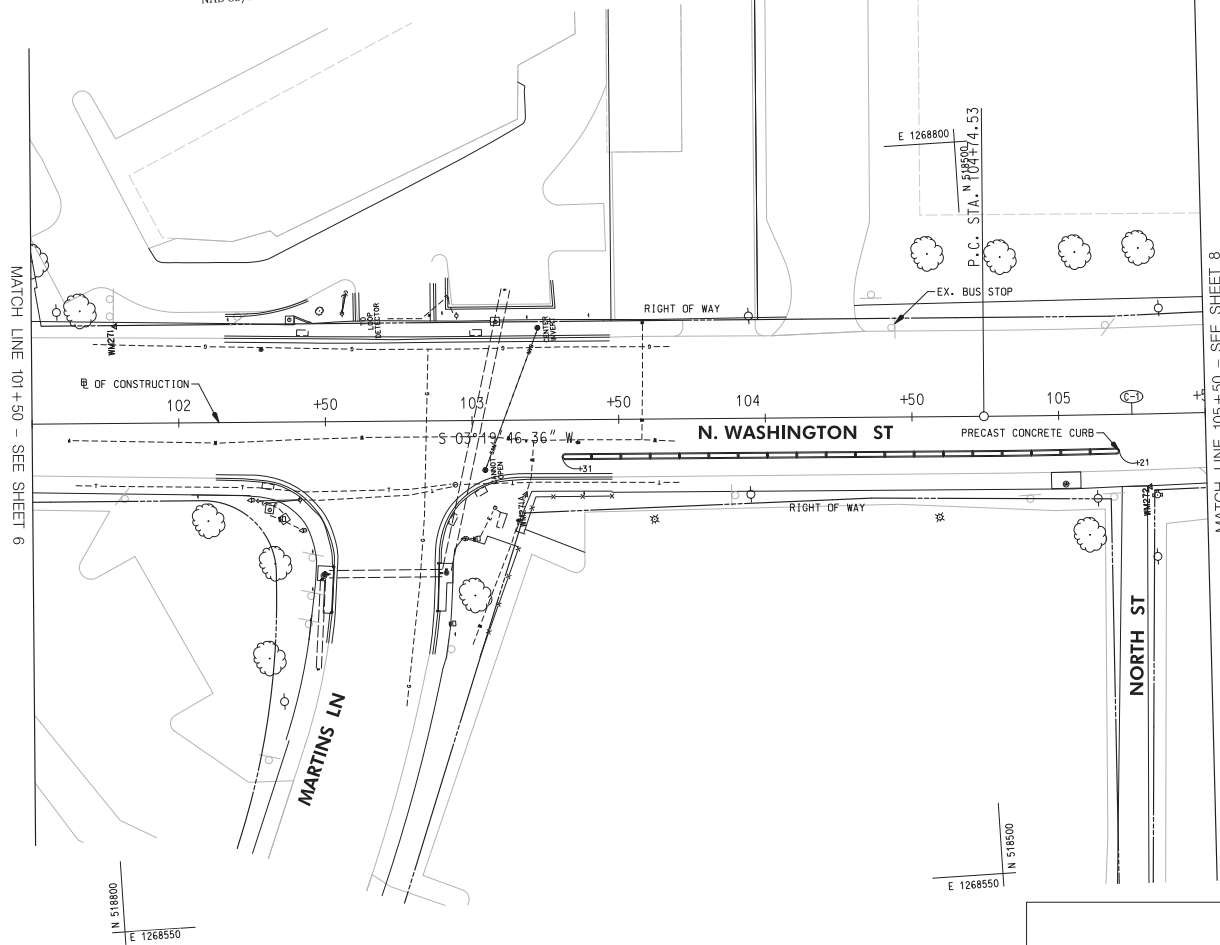
DELTA = 07° 38' 49.6" LT.
Dc = 01° 18' 07.8"
R = 4,400.00'
T = 294.06'
L = 587.26'
CH = 586.82'
E = 9.82'



CURB AND GUTTER	
19 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

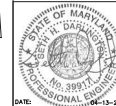
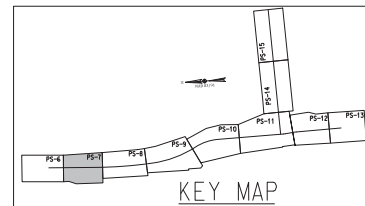
NOTES:

- CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
- N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



LEGEND

	PROPOSED PLAIN CONCRETE SIDEWALK
	PROPOSED FULL DEPTH RECONSTRUCTION
	COMMERCIAL/MIXED-USE DRIVEWAY APRON
	PROPOSED DETECTABLE WARNING SURFACE
	REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
	PROPOSED CURB AND GUTTER
	EXISTING CURB AND GUTTER
	EXISTING TREE
	LIMIT OF DISTURBANCE
	REMOVE AND REPLACE PUSH BUTTON
	EXISTING LIGHT POLE TO BE RELOCATED
	RELOCATED LIGHT POLE
	2 - 4 INCH SCHEDULE 40 PVC CONDUITS
	2 INCH SCHEDULE 40 PVC CONDUIT
	ELECTRICAL MANHOLE
	PROPOSED COMBINATION INLET PROTECTION
	PROPOSED INLET
	8 INCH TRENCH DRAIN
	6" PVC PIPE
	DOUBLE/ SINGLE PARKING METER



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

WALLACE MONTGOMERY
CONSULTANTS
1100 N. GREENSBORO RD.
ROCKVILLE, MD 20850
TEL: 301.281.1000
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR 24 HOURS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED: _____ DRAFTED: _____ CHECKED: _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:31\04\00' SMP# _____ REVIEWED BY: _____ APPROVAL DATE: _____	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE: _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE: 1"=20' SHEET NO. 7 OF 37	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	

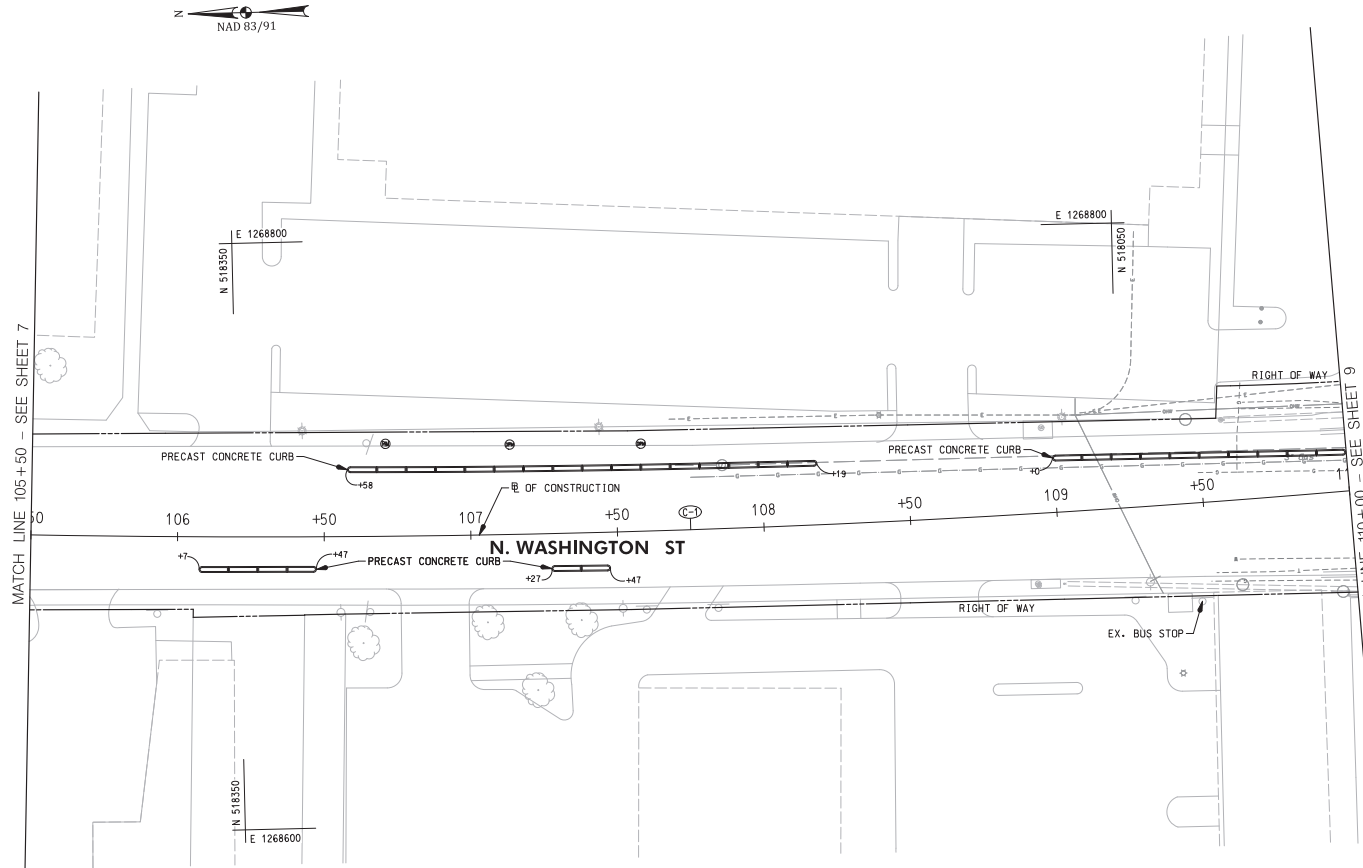
IFB # 04-23
SECTION VII

(C-1)
CURVE DATA
DELTA = 7°38'49.6" L.T.
Dc = 118'07.8"
R = 4400.00'
T = 294.06'
L = 587.26'
Ch = 556.52'
E = 9.82'

CURB AND GUTTER	
32 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB
SITE	
3 EA.	FURNISH AND INSTALL PARKING METER
SIDEWALK	
3 SF.	FURNISH AND INSTALL 4" CONCRETE SIDEWALK

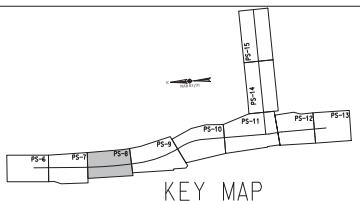
NOTES:

- CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
- N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



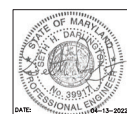
LEGEND

	PROPOSED PLAIN CONCRETE SIDEWALK
	PROPOSED FULL DEPTH RECONSTRUCTION
	COMMERCIAL/MIXED-USE DRIVEWAY APRON
	PROPOSED DETECTABLE WARNING SURFACE
	REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
	PROPOSED CURB AND GUTTER
	EXISTING CURB AND GUTTER
	EXISTING TREE
	LIMIT OF DISTURBANCE
	REMOVE AND REPLACE PUSH BUTTON
	EXISTING LIGHT POLE TO BE RELOCATED
	RELOCATED LIGHT POLE
	2 - 4 INCH SCHEDULE 40 PVC CONDUITS
	2 INCH SCHEDULE 40 PVC CONDUIT
	ELECTRICAL MANHOLE
	PROPOSED COMBINATION INLET PROTECTION
	PROPOSED INLET
	8 INCH TRENCH DRAIN
	6" PVC PIPE
	DOUBLE/ SINGLE PARKING METER



WALLACE MONTGOMERY
1100 W. GREENSBORO RD.
ROCKVILLE, MD 20850
TEL: 301-981-9300
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 24 HOURS AT LEAST IN ADVANCE FROM YOUR CONSTRUCTION



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:30-0400' SMP# _____ REVIEWED BY _____ APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ REVIEWED BY _____ APPROVAL DATE _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE: 1"=20' SHEET NO. 8 OF 37	FILE # _____
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	

IFB # 04-23
SECTION VII



C-1
CURVE DATA
DELTA = 07°38'49.6" LT.
Dc = 01°18'07.8"
R = 4,400.00'
T = 294.06'
L = 587.26'
Ch = 586.82'
E = 9.82'

C-2
CURVE DATA
DELTA = 24°43'12.2" LT.
Dc = 05°12'31.4"
R = 1,100.00'
T = 241.05'
L = 474.59'
Ch = 470.32'
E = 26.10'

CURB AND GUTTER	
249 L.F.	FURNISH AND INSTALL TYPE 'A' CURB & GUTTER (MC-100.00)
10.5 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

SIDEWALK	
480 S.F.	FURNISH AND INSTALL 4" CONCRETE SIDEWALK
39 S.F.	FURNISH AND INSTALL DETECTABLE WARNING SURFACE

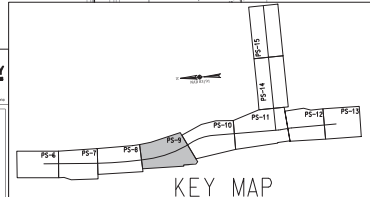
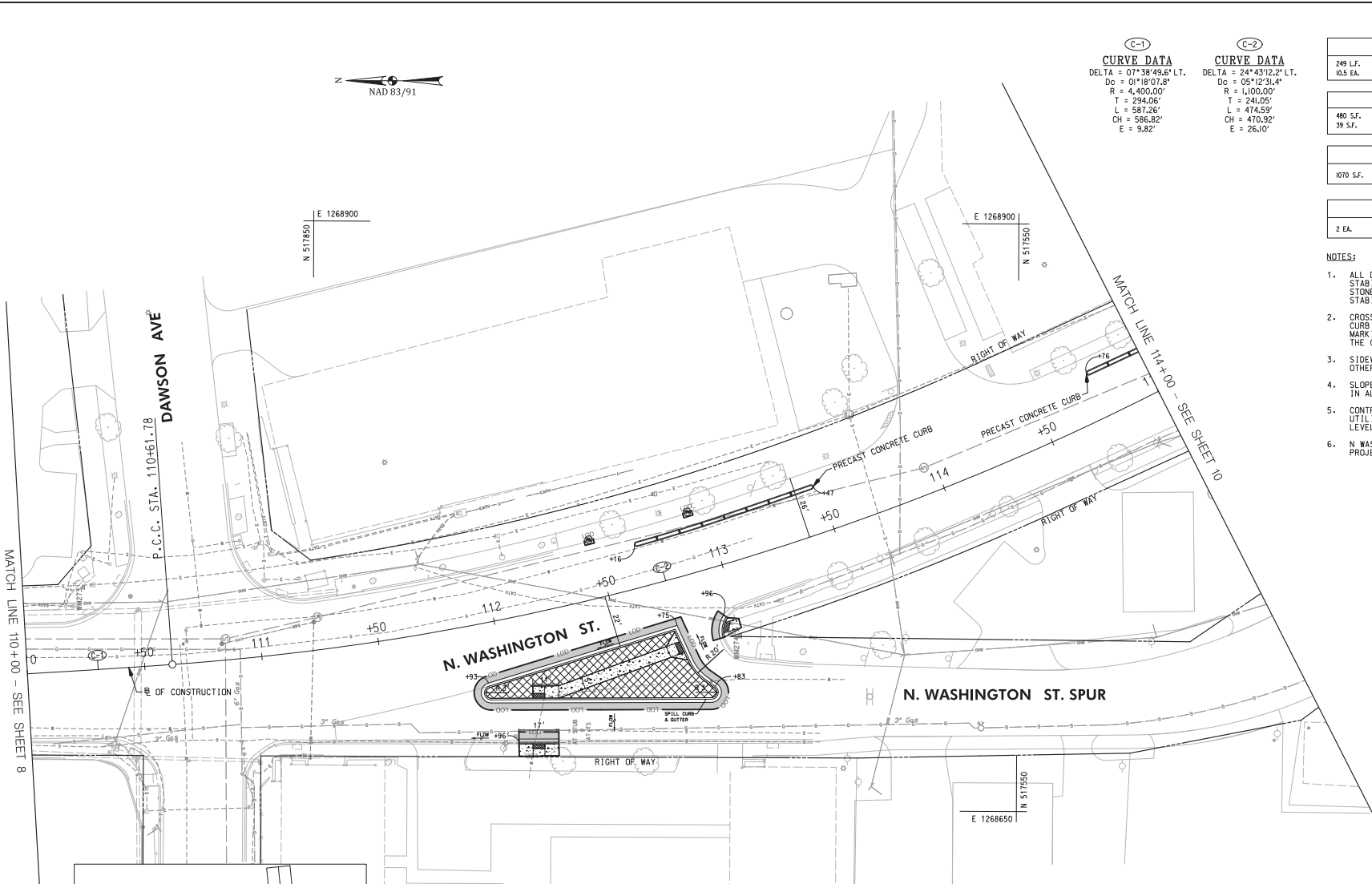
PAVEMENT REMOVAL	
1070 S.F.	REMOVAL OF EXISTING PAVEMENT - SEE LANDSCAPING SHEETS

SITE	
2 EA.	FURNISH AND INSTALL PARKING METER

- NOTES:**
- ALL DISTURBED AREA, AS SHOWN ON THE PLANS, SHALL BE STABILIZED BY THE END OF EACH WORK DAY USING NO. 57 STONE. NO AREA SHALL BE DISTURBED THAT CANNOT BE STABILIZED BY THE END OF EACH WORK DAY.
 - CROSSWALK SHALL BE ALIGNED WITH THE PROPOSED CURB RAMPS, AND THE EDGE OF PROPOSED CROSSWALK MARKINGS SHALL ENCLOSE THE ENTIRE WIDTH OF THE CURB RAMPS.
 - SIDEWALK WIDTH SHALL BE 5' MINIMUM, UNLESS OTHERWISE NOTED.
 - SLOPE FOR LANDING AREA SHALL BE 48:1 MAXIMUM IN ALL DIRECTIONS.
 - CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
 - N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.

LEGEND

- PROPOSED PLAIN CONCRETE SIDEWALK
- PROPOSED FULL DEPTH RECONSTRUCTION
- COMMERCIAL/MIXED-USE DRIVEWAY APRON
- PROPOSED DETECTABLE WARNING SURFACE
- REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING TREE
- LIMIT OF DISTURBANCE
- REMOVE AND REPLACE PUSH BUTTON
- EXISTING LIGHT POLE TO BE RELOCATED
- RELOCATED LIGHT POLE
- 2 - 4 INCH SCHEDULE 40 PVC CONDUITS
- 2 INCH SCHEDULE 40 PVC CONDUIT
- ELECTRICAL MANHOLE
- PROPOSED COMBINATION INLET PROTECTION
- PROPOSED INLET
- 8 INCH TRENCH DRAIN
- 6" PVC PIPE
- DOUBLE/ SINGLE PARKING METER

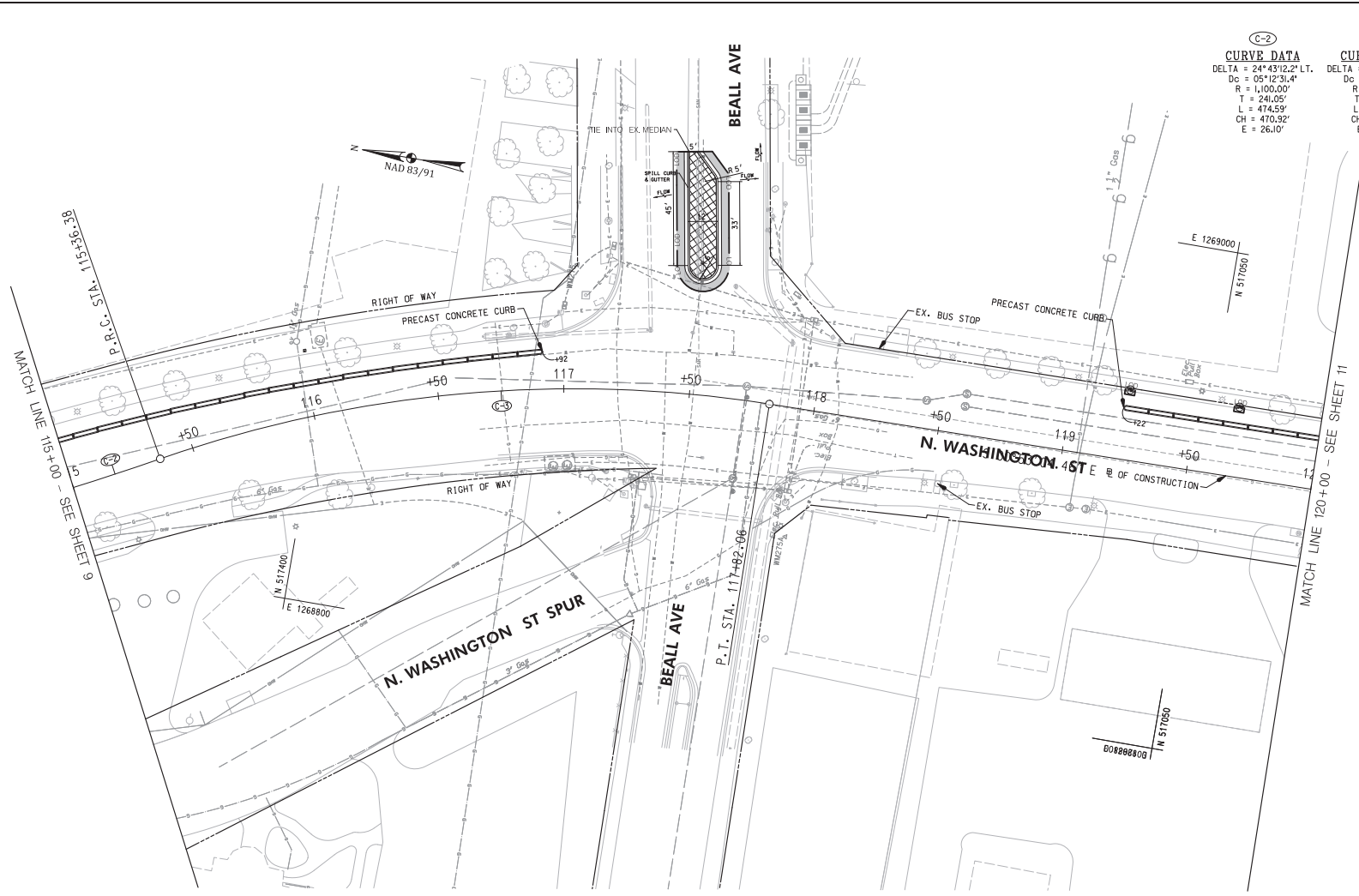


WALLACE MONTGOMERY
CONSULTANTS
1100 W. MONROE ST.
ROCKVILLE, MD 20854
TEL: 301-981-9300
WWW.WALLACEMONTGOMERY.COM

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



 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simons 2022.04.19 17:31:33-0410' SMP# _____ APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ APPROVAL DATE _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE: 1"=20' SHEET NO. 9 OF 37	FILE # _____																																																		
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		<table border="1"> <thead> <tr> <th>DESCRIPTION OF REVISION</th> <th>P.E. INITIAL</th> <th>DATE</th> <th>DPW</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>							DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																																												
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																																																						

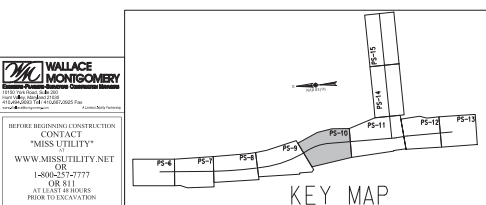


C-2	CURVE DATA	C-3	CURVE DATA
	DELTA = 24°43'12.2" LT. Dc = 05°12'31.4" R = 1,000.00' T = 240.05' L = 474.59' CH = 470.92' E = 26.10'		DELTA = 28°09'10.9" RT. Dc = 11°27'33.0" R = 500.00' T = 126.37' L = 245.68' CH = 243.22' E = 15.48'

PAVEMENT REMOVAL	
487 S.F.	REMOVAL OF EXISTING PAVEMENT - SEE LANDSCAPING SHEETS
CONCRETE CURB AND GUTTER	
112 L.F.	FURNISH AND INSTALL TYPE '1' CURB & GUTTER (MC-100.0)
27 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB
SITE	
2 EA.	FURNISH AND INSTALL PARKING METER
SIDEWALK	
2 S.F.	FURNISH AND INSTALL 4" CONCRETE SIDEWALK

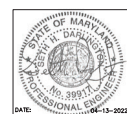
- NOTES:
- ALL DISTURBED AREA, AS SHOWN ON THE PLANS, SHALL BE STABILIZED BY THE END OF EACH WORK DAY USING NO. 57 STONE. NO AREA SHALL BE DISTURBED THAT CANNOT BE STABILIZED BY THE END OF EACH WORK DAY.
 - CROSSWALK SHALL BE ALIGNED WITH THE PROPOSED CURB RAMPS, AND THE EDGE OF PROPOSED CROSSWALK MARKINGS SHALL ENCLOSE THE ENTIRE WIDTH OF THE CURB RAMPS.
 - SIDEWALK WIDTH SHALL BE 5' MINIMUM, UNLESS OTHERWISE NOTED.
 - SLOPE FOR LANDING AREA SHALL BE 48:1 MAXIMUM IN ALL DIRECTIONS.
 - CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER, SEE SHEET 6 FOR OWNER INFORMATION.
 - N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.

LEGEND	
	PROPOSED PLAIN CONCRETE SIDEWALK
	PROPOSED FULL DEPTH RECONSTRUCTION
	COMMERCIAL/MIXED-USE DRIVEWAY APRON
	PROPOSED DETECTABLE WARNING SURFACE
	REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
	PROPOSED CURB AND GUTTER
	EXISTING CURB AND GUTTER
	EXISTING TREE
	LIMIT OF DISTURBANCE
	REMOVE AND REPLACE PUSH BUTTON
	EXISTING LIGHT POLE TO BE RELOCATED
	RELOCATED LIGHT POLE
	2 - 4 INCH SCHEDULE 40 PVC CONDUITS
	2 INCH SCHEDULE 40 PVC CONDUIT
	ELECTRICAL MANHOLE
	PROPOSED COMBINATION INLET PROTECTION
	PROPOSED INLET
	8 INCH TRENCH DRAIN
	6" PVC PIPE
	DOUBLE/ SINGLE PARKING METER



WALLACE MONTGOMERY
1100 North Rockville Road
Rockville, MD 20850
Tel: 301-251-7777
Fax: 301-251-7777
www.wallacemontgomery.com

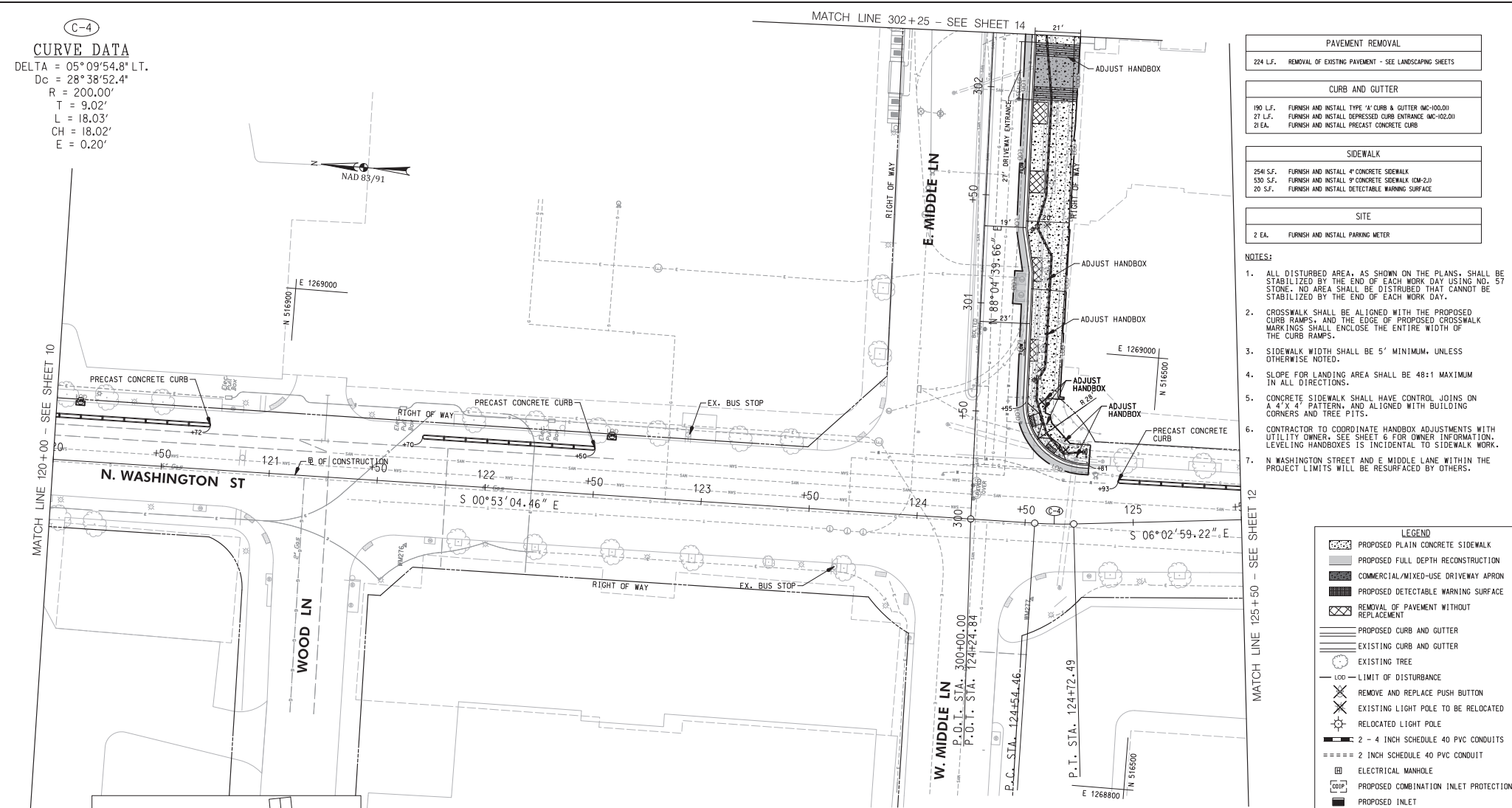
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:54+0000' DIRECTOR OF PUBLIC WORKS	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE: 1"=20' SHEET NO. 10 OF 37	FILE # _____
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL DATE _____		APPROVAL DATE _____		APPROVAL DATE _____	

C-4

CURVE DATA
 DELTA = 05°09'54.8" LT.
 Dc = 28°38'52.4"
 R = 200.00'
 T = 9.02'
 L = 18.03'
 CH = 18.02'
 E = 0.20'



PAVEMENT REMOVAL	
224 L.F.	REMOVAL OF EXISTING PAVEMENT - SEE LANDSCAPING SHEETS
CURB AND GUTTER	
190 L.F.	FURNISH AND INSTALL TYPE 'A' CURB & GUTTER (MC-100.01)
27 L.F.	FURNISH AND INSTALL DEPRESSED CURB ENTRANCE (MC-102.01)
21 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB
SIDEWALK	
268 S.F.	FURNISH AND INSTALL 4" CONCRETE SIDEWALK
630 S.F.	FURNISH AND INSTALL 9" CONCRETE SIDEWALK (CM-2.1)
20 S.F.	FURNISH AND INSTALL DETECTABLE WARNING SURFACE
SITE	
2 EA.	FURNISH AND INSTALL PARKING METER

- NOTES:**
- ALL DISTURBED AREA, AS SHOWN ON THE PLANS, SHALL BE STABILIZED BY THE END OF EACH WORK DAY USING NO. 57 STONE. NO AREA SHALL BE DISTURBED THAT CANNOT BE STABILIZED BY THE END OF EACH WORK DAY.
 - CROSSWALK SHALL BE ALIGNED WITH THE PROPOSED CURB RAMP, AND THE EDGE OF PROPOSED CROSSWALK MARKINGS SHALL ENCLOSE THE ENTIRE WIDTH OF THE CURB RAMP.
 - SIDEWALK WIDTH SHALL BE 5' MINIMUM, UNLESS OTHERWISE NOTED.
 - SLOPE FOR LANDING AREA SHALL BE 48:1 MAXIMUM IN ALL DIRECTIONS.
 - CONCRETE SIDEWALK SHALL HAVE CONTROL JOINS ON A 4' X 4' PATTERN, AND ALIGNED WITH BUILDING CORNERS AND TREE PITTS.
 - CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER, SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
 - N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.

LEGEND

- PROPOSED PLAIN CONCRETE SIDEWALK
- PROPOSED FULL DEPTH RECONSTRUCTION
- COMMERCIAL/MIXED-USE DRIVEWAY APRON
- PROPOSED DETECTABLE WARNING SURFACE
- REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING TREE
- LIMIT OF DISTURBANCE
- REMOVE AND REPLACE PUSH BUTTON
- EXISTING LIGHT POLE TO BE RELOCATED
- RELOCATED LIGHT POLE
- 2 - 4 INCH SCHEDULE 40 PVC CONDUITS
- 2 INCH SCHEDULE 40 PVC CONDUIT
- ELECTRICAL MANHOLE
- PROPOSED COMBINATION INLET PROTECTION
- PROPOSED INLET
- 8 INCH TRENCH DRAIN
- 6" PVC PIPE
- DOUBLE/ SINGLE PARKING METER

WALLACE MONTGOMERY
 CONSULTING ENGINEERS
 1100 WASHINGTON BLVD
 ROCKVILLE, MD 20854
 (301) 581-1100

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR 24 HOURS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

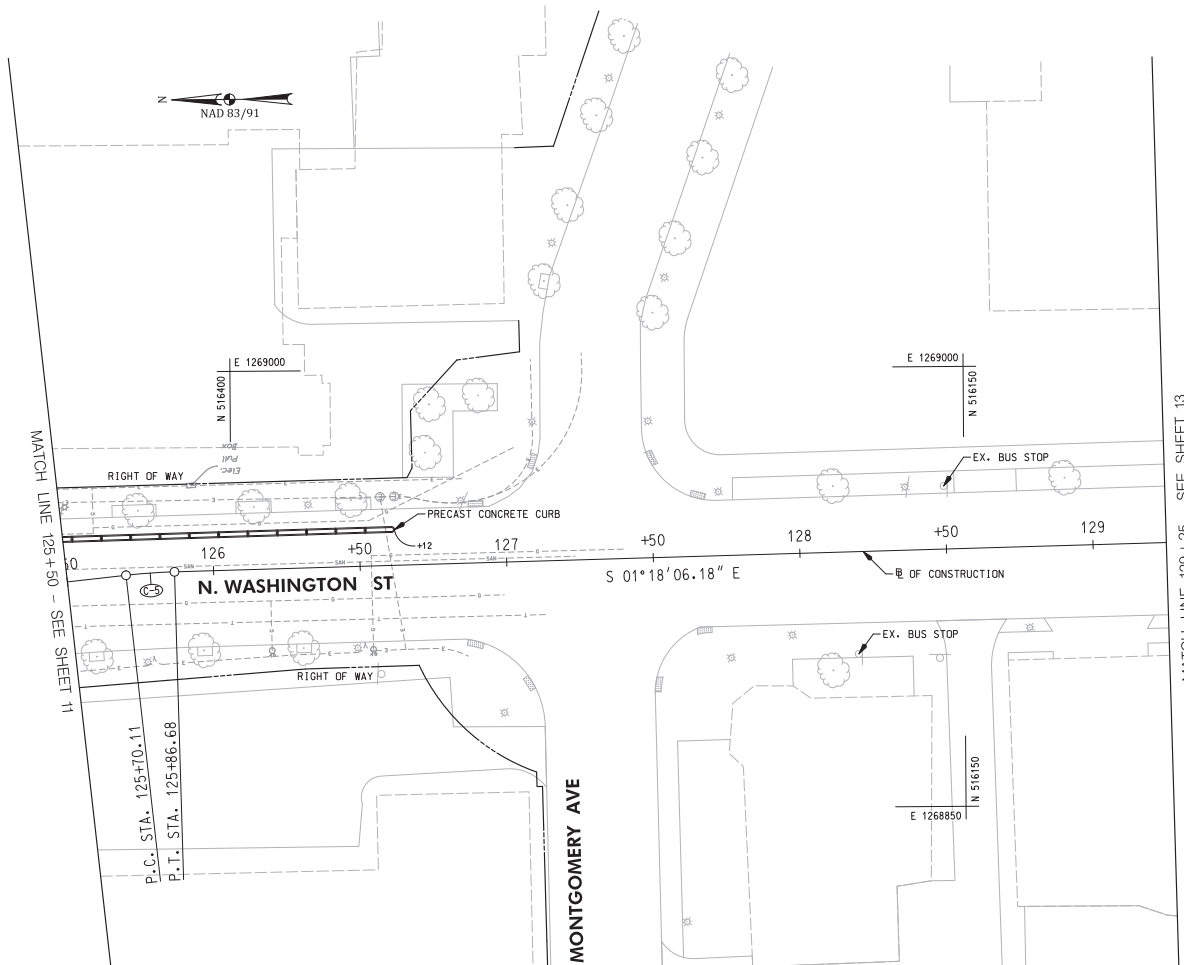
KEY MAP

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:35-04'00" SMP# _____ REVIEWED BY _____ APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ APPROVAL DATE _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 SCALE: 1"=20' SHEET NO. 11 OF 37 FILE # _____
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	

(C-5)
CURVE DATA
DELTA = 04°44'53.0" RT.
Dc = 28°38'52.4"
R = 200.00'
T = 8.29'
L = 16.57'
CH = 16.57'
E = 0.17'

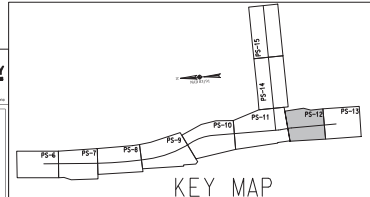
CURB AND GUTTER	
16.5 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

- NOTES:
- CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
 - N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



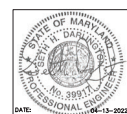
LEGEND

- PROPOSED PLAIN CONCRETE SIDEWALK
- PROPOSED FULL DEPTH RECONSTRUCTION
- COMMERCIAL/MIXED-USE DRIVEWAY APRON
- PROPOSED DETECTABLE WARNING SURFACE
- REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING TREE
- LIMIT OF DISTURBANCE
- REMOVE AND REPLACE PUSH BUTTON
- EXISTING LIGHT POLE TO BE RELOCATED
- RELOCATED LIGHT POLE
- 2 - 4 INCH SCHEDULE 40 PVC CONDUITS
- 2 INCH SCHEDULE 40 PVC CONDUIT
- ELECTRICAL MANHOLE
- PROPOSED COMBINATION INLET PROTECTION
- PROPOSED INLET
- 8 INCH TRENCH DRAIN
- 6" PVC PIPE
- DOUBLE/ SINGLE PARKING METER



WALLACE MONTGOMERY
1100 N. WASHINGTON ST., SUITE 200
ROCKVILLE, MD 20850
TEL: 301.984.4400
WWW.WALLACEMONTGOMERY.COM

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



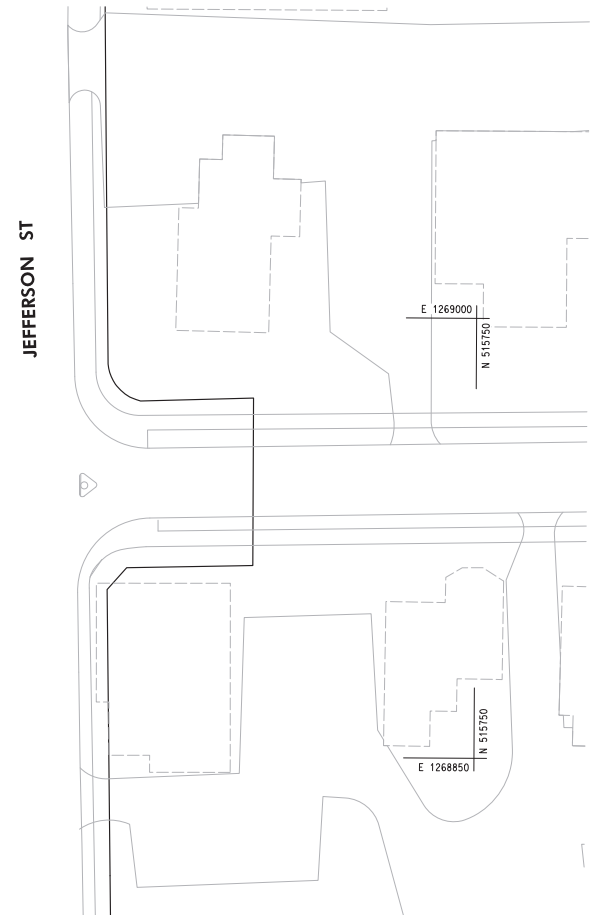
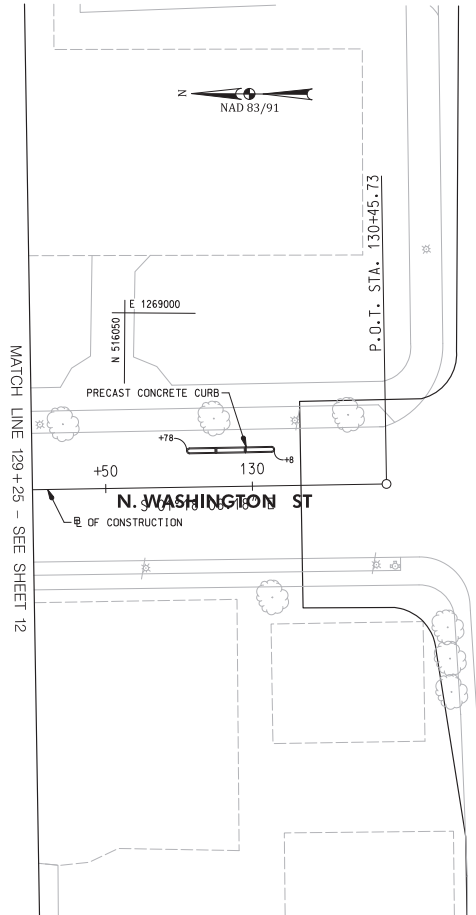
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL _____ Craig L. Simoneau 2022.04.19 17:31:30-04:00'	AS BUILT PLAN APPROVAL _____ _____ _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE: 1"=20' SHEET NO. 12 OF 37	FILE #
	DIRECTOR OF PUBLIC WORKS	APPROVAL DATE	CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	DATE	DATE	DATE

CURB AND GUTTER	
3 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

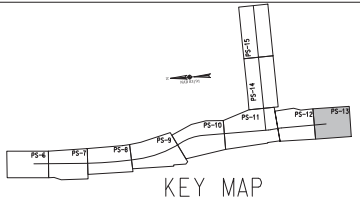
NOTES:

1. CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
7. N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



LEGEND

	PROPOSED PLAIN CONCRETE SIDEWALK
	PROPOSED FULL DEPTH RECONSTRUCTION
	COMMERCIAL/MIXED-USE DRIVEWAY APRON
	PROPOSED DETECTABLE WARNING SURFACE
	REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
	PROPOSED CURB AND GUTTER
	EXISTING CURB AND GUTTER
	EXISTING TREE
	LIMIT OF DISTURBANCE
	REMOVE AND REPLACE PUSH BUTTON
	EXISTING LIGHT POLE TO BE RELOCATED
	RELOCATED LIGHT POLE
	2 - 4 INCH SCHEDULE 40 PVC CONDUITS
	2 INCH SCHEDULE 40 PVC CONDUIT
	ELECTRICAL MANHOLE
	PROPOSED COMBINATION INLET PROTECTION
	PROPOSED INLET
	8 INCH TRENCH DRAIN
	6" PVC PIPE
	DOUBLE/ SINGLE PARKING METER

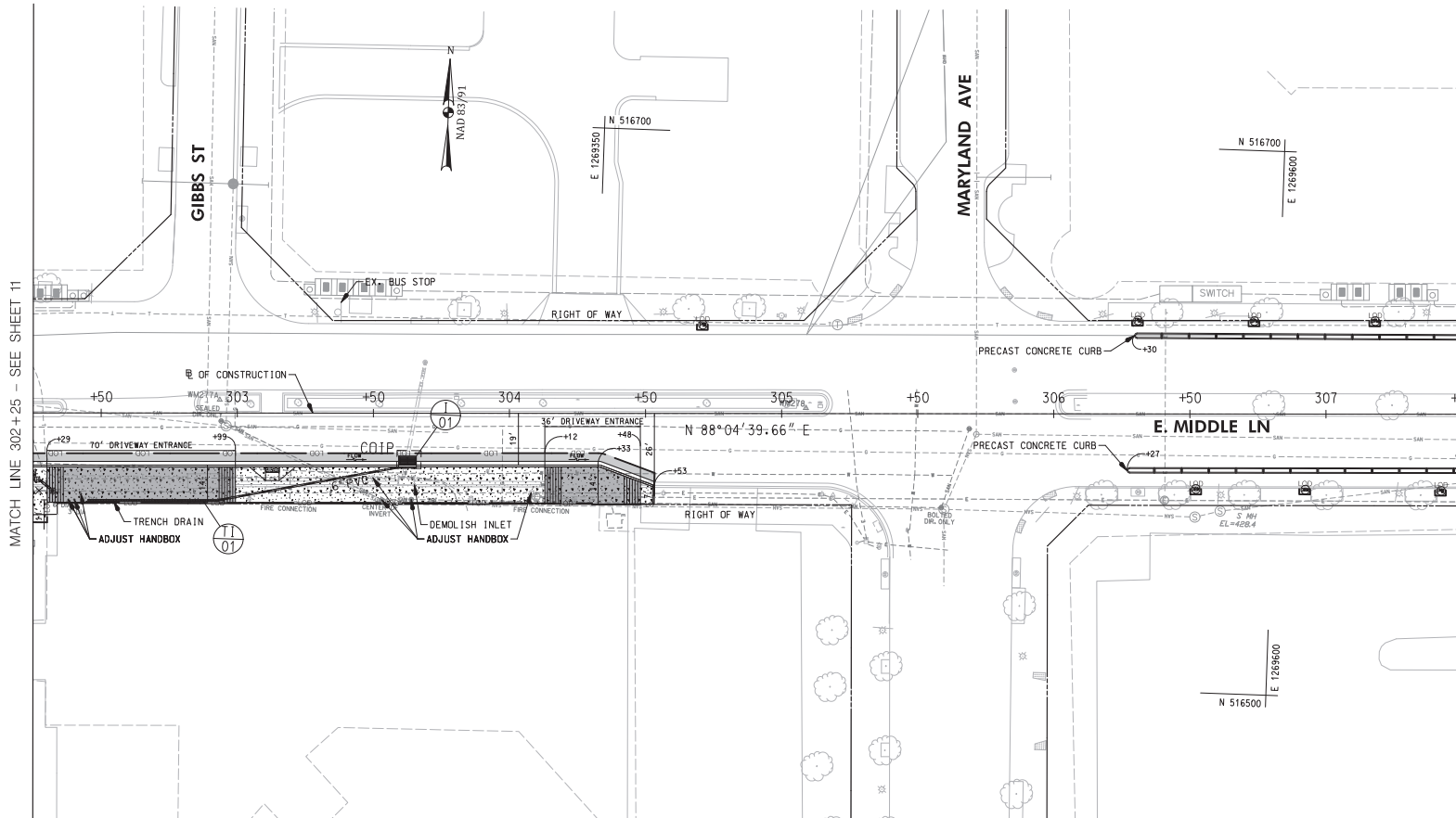


WALLACE MONTGOMERY
CONSULTANTS
1100 N. GREENSBORO RD.
SUITE 200
ROCKVILLE, MD 20850
TEL: 301-981-9300
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED: _____ DRAFTED: _____ CHECKED: _____	DESIGN PLAN APPROVAL Craig L. Simmons 2022.04.19 17:31:36-04'00" SMP# _____ DIRECTOR OF PUBLIC WORKS APPROVAL DATE	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 DATE: 04-13-2022	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE: _____ P.E. INITIAL: _____ DATE: _____ DFW: _____ DATE: _____	SCALE: 1"=20' SHEET NO. 13 OF 37	FILE #
	DESIGNED: _____ DRAFTED: _____ CHECKED: _____	_____ REVIEWED BY	_____ APPROVAL DATE	_____ APPROVAL DATE	_____	_____	_____	_____	_____



DRAINAGE	
1 EA.	TYPE S COMBINATION INLET DOUBLE GRATE TANDEM (MD 374.71)
2 EA.	FURNISH AND INSTALL 8' TRENCH DRAIN
68 L.F.	FURNISH AND INSTALL 6" PVC PIPE

CURB AND GUTTER	
125 L.F.	FURNISH AND INSTALL TYPE 'A' CURB & GUTTER (MC-100.01)
106 L.F.	FURNISH AND INSTALL DEPRESSED CURB ENTRANCE (MC-102.01)
45.5 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

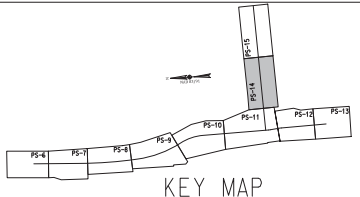
SIDEWALK	
1639 S.F.	FURNISH AND INSTALL 4" CONCRETE SIDEWALK
1349 S.F.	FURNISH AND INSTALL 9" CONCRETE SIDEWALK (CM-2.1)
10 S.F.	FURNISH AND INSTALL DETECTABLE WARNING SURFACE

SITE	
7 EA.	FURNISH AND INSTALL PARKING METER

- NOTES:**
- ALL DISTURBED AREA, AS SHOWN ON THE PLANS, SHALL BE STABILIZED BY THE END OF EACH WORK DAY USING NO. 57 STONE. NO AREA SHALL BE DISTURBED THAT CANNOT BE STABILIZED BY THE END OF EACH WORK DAY.
 - CROSSWALK SHALL BE ALIGNED WITH THE PROPOSED CURB RAMP, AND THE EDGE OF PROPOSED CROSSWALK MARKINGS SHALL ENCLOSE THE ENTIRE WIDTH OF THE CURB RAMP.
 - SIDEWALK WIDTH SHALL BE 5' MINIMUM, UNLESS OTHERWISE NOTED.
 - SLOPE FOR LANDING AREA SHALL BE 48:1 MAXIMUM IN ALL DIRECTIONS.
 - CONCRETE SIDEWALK SHALL HAVE CONTROL JOINS ON A 4' X 4' PATTERN, AND ALIGNED WITH BUILDING CORNERS AND TREE PITS.
 - CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER, SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
 - N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.
 - 8" WIDE DUCTILE IRON TRENCH DRAIN KIT OR AN APPROVED EQUAL TO BE USED.

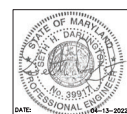
LEGEND

- PROPOSED PLAIN CONCRETE SIDEWALK
- PROPOSED FULL DEPTH RECONSTRUCTION
- COMMERCIAL/MIXED-USE DRIVEWAY APRON
- PROPOSED DETECTABLE WARNING SURFACE
- REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING TREE
- LIMIT OF DISTURBANCE
- REMOVE AND REPLACE PUSH BUTTON
- EXISTING LIGHT POLE TO BE RELOCATED
- RELOCATED LIGHT POLE
- 2 - 4 INCH SCHEDULE 40 PVC CONDUITS
- 2 INCH SCHEDULE 40 PVC CONDUIT
- ELECTRICAL MANHOLE
- PROPOSED COMBINATION INLET PROTECTION
- PROPOSED INLET
- 8 INCH TRENCH DRAIN
- 6" PVC PIPE
- DOUBLE/ SINGLE PARKING METER



WALLACE MONTGOMERY
Professional Engineer
1100 North Rockville Road
Rockville, MD 20850
Tel: 301-761-1100
Fax: 301-761-1101
www.wallacemontgomery.com

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



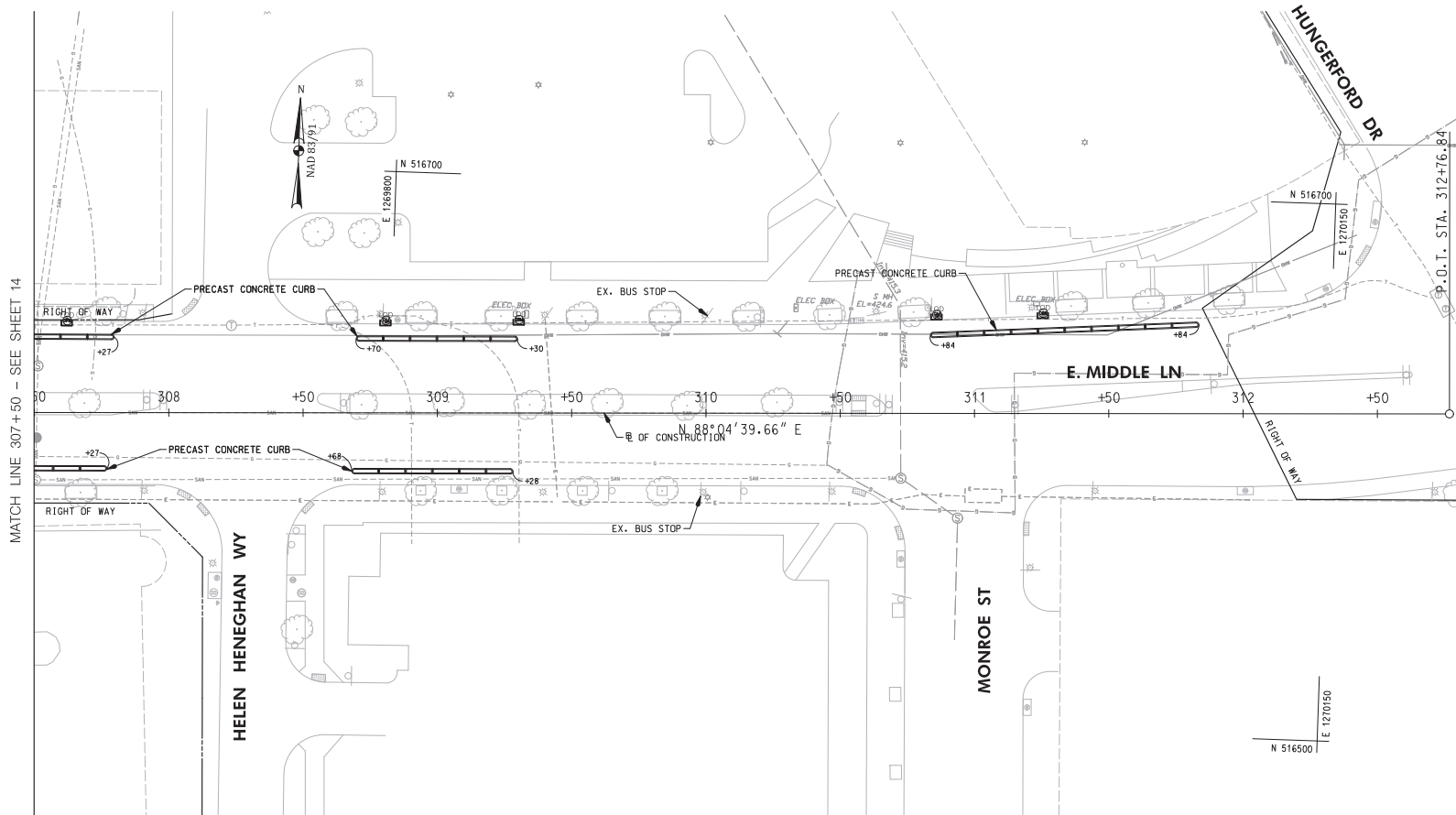
<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simonescu 2022.04.19 17:21:37.04'00" DIRECTOR OF PUBLIC WORKS APPROVAL DATE	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE: 1"=20' SHEET NO. 14 OF 37	FILE #
	DESCRIPTION OF REVISION P.E. INITIAL DATE DFW DATE							

IFB # 04-23
SECTION VII

CURB AND GUTTER	
27.5 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB
SIDEWALK	
5 SF.	FURNISH AND INSTALL 4" CONCRETE SIDEWALK
SITE	
5 EA.	FURNISH AND INSTALL PARKING METER

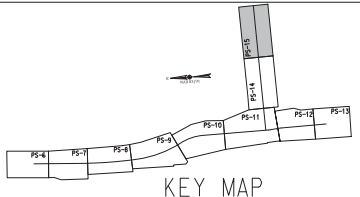
NOTES:

1. CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
2. N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



LEGEND

- PROPOSED PLAIN CONCRETE SIDEWALK
- PROPOSED FULL DEPTH RECONSTRUCTION
- COMMERCIAL/MIXED-USE DRIVEWAY APRON
- PROPOSED DETECTABLE WARNING SURFACE
- REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- EXISTING TREE
- LIMIT OF DISTURBANCE
- REMOVE AND REPLACE PUSH BUTTON
- EXISTING LIGHT POLE TO BE RELOCATED
- RELOCATED LIGHT POLE
- 2 - 4 INCH SCHEDULE 40 PVC CONDUITS
- 2 INCH SCHEDULE 40 PVC CONDUIT
- ELECTRICAL MANHOLE
- PROPOSED COMBINATION INLET PROTECTION
- PROPOSED INLET
- 8 INCH TRENCH DRAIN
- 6" PVC PIPE
- DOUBLE/ SINGLE PARKING METER



WALLACE MONTGOMERY
1100 North Rockville Road
Rockville, MD 20850
Tel: 301-251-7777
Fax: 301-251-7777
www.wallacemontgomery.com

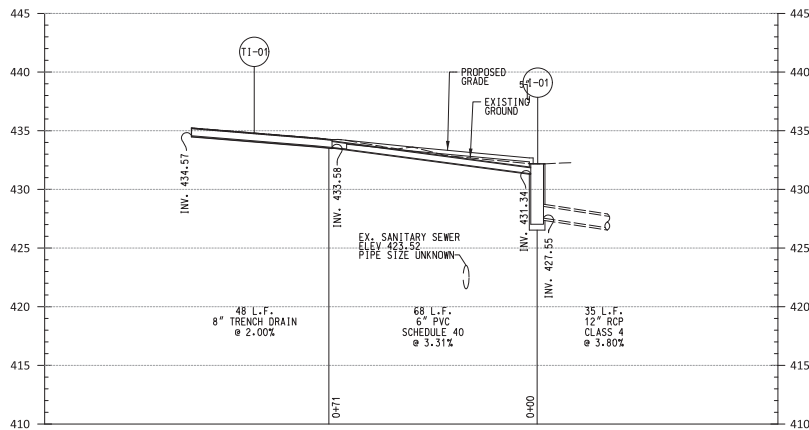
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 8 HOURS PRIOR TO CONSTRUCTION.



<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:38+04'00' SMP# _____ DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 DATE OF REVISIONS AFTER INITIAL PLAN APPROVAL: IFB	SCALE: 1"=20' SHEET NO. 15 OF 37	FILE # _____																																																							
	<table border="1"> <thead> <tr> <th>DESCRIPTION OF REVISION</th> <th>P.E. INITIAL</th> <th>DATE</th> <th>CPW</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>									DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE																																																	
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE																																																											

STORM DRAIN AND PAVING NOTES: (NOV 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



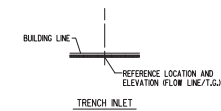
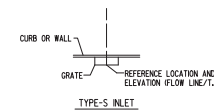
TRENCH DRAIN TO I-01
SCALE: HOR. 1"=20'
VERT. 1"=5'

PLAN SHEET	NUMBER	STATION	OFFSET	TYPE	ELEVATION		STANDARD	VERTICAL DEPTH	COMMENTS
					TOP	INVERT			
PS-14	T1-01	E MIDDLE LN 302+69.11	31.8' RT.	DUCTILE IRON TRENCH DRAIN GRATE BY SWIFTDRAIN	434.76	435.58	N/A	N/A	
PS-14	I-01	E MIDDLE LN 303+64.5	15.7' RT.	TYPE S COMBINATION INLET DOUBLE GRATE TANDEM	432.17	431.34	MD 374.71	0.00	

NOTES:

1. 8 INCH WIDE DUCTILE IRON TRENCH DRAIN KIT BY SWIFT DRAIN OR AN APPROVED EQUAL.

PLAN SHEET	STR 1	STR 2	SIZE	TYPE	LENGTH



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



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

DESIGNED _____
DRAFTED _____
CHECKED _____

DESIGN PLAN APPROVAL
Craig L. Simonseau
2022.04.19
17:21:39:04:00
DIRECTOR OF PUBLIC WORKS APPROVAL DATE

AS BUILT PLAN APPROVAL

CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE

DRAINAGE PROFILE

NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT
Election District No. 2 City of Rockville, Maryland

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL
DATE SUBMITTED: APRIL 2022
SCALE: N.T.S.
SHEET NO. 16 OF 37
FILE #



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

TEMPORARY TRAFFIC CONTROL REQUIREMENTS

- ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE LATEST MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MD MUTCD), STATE HIGHWAY ADMINISTRATION'S STANDARDS, SPECIFICATIONS AND GUIDELINES.
- THE CONTRACTOR SHALL NOTIFY UPCOMING CONSTRUCTION TO THE CITY'S COMMUNITY ENGAGEMENT COORDINATOR (TEL: 240-314-8344); CITY POLICE (240-314-8502); COUNTY POLICE (301-279-8000) AND IMPACTING BUSINESSES AT LEAST TWO WEEKS PRIOR TO CONSTRUCTION.
- IF BUS STOPS AND ROUTES WOULD BE IMPACTED BY THE PROPOSED TRAFFIC CONTROL PLANS, THE CONTRACTOR SHALL NOTIFY UPCOMING CONSTRUCTION TO APPROPRIATE AGENCIES AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION (MMAT 202-962-6085; & COUNTY RIDE-ON 240-771-5800).
- THE CONTRACTOR SHALL CONTACT MISS UTILITY AT 1-800-257-7777, 5 (FIVE) WORKING DAYS BEFORE WORK.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN CIRCULATIONS DURING THE CONSTRUCTION FOR SIDEWALK CLOSURE. THE CONTRACTOR SHALL SET UP APPLICABLE DETOUR SIGNS AND BARRICADES BASED ON THE MD SHA STANDARDS NO. 104.06-09A, 104.06-09B, 104.06-09C OR 104.06-09D.
- THE CONTRACTOR SHALL ONLY PERFORM AS MUCH WORK CAN BE COMPLETED DURING EACH WORKING DAY.
- AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY SIGNS THAT ARE NOT APPLICABLE.
- IN CASE OF NIGHT TIME WORKS, SAFETY AND LIGHTING DEVICES SHALL PROPERLY BE INSTALLED TO PREVENT ANY WORK ZONE RELATED CRASHES. FOR ANY NIGHTTIME WORK, IF APPLICABLE, THE CONTRACTOR SHALL OBTAIN A NOISE WAIVER FROM MONTGOMERY COUNTY IN ADVANCE.
- ACCESS TO RESIDENTIAL PROPERTIES AND DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.
- PERMANENT SIGNS IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL, SET UPS SHALL BE COVERED OR REMOVED AND SHALL BE RETURNED TO THE ORIGINAL PLACES AFTER THE COMPLETION OF THE CONSTRUCTION.
- ADDITIONAL CONSTRUCTION WARNING SIGNS SHALL BE PLACED AS NEEDED WHEN DIRECTED BY THE CITY ENGINEER OR INSPECTOR.
- ANY PAVEMENT MARKING, SIGNS, OR OTHER TRAFFIC CONTROL DEVICES DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- FOR ANY ROADWAY CLOSURE, THE CONTRACTOR SHALL PROVIDE PROPER VARIABLE MESSAGE SIGNS TO INFORM OF UPCOMING CLOSURE ON BOTH DIRECTIONS OF THE ROADWAY FOR AT LEAST 48 HOURS BEFORE THE CLOSURE.
- THE CONTRACTOR SHALL USE CERTIFIED FLAGGERS DURING FLAGGING OPERATIONS.
- IF THE PROPOSED TRAFFIC CONTROL PLANS REQUIRE PARKING RESTRICTIONS ALONG THE CITY ROADWAYS, THE CONTRACTOR SHALL POST PROPER SIGNS TO INDICATE TEMPORARY PARKING RESTRICTIONS AT LEAST 48 HOURS BEFORE THE CONSTRUCTION. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE THE TEMPORARY SIGNS.
- FOR SIGNAL DETECTION AND TIMING ADJUSTMENT, CONTACT MONTGOMERY COUNTY TMC AT 240-777-2100 AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT SAFETY OF THE PUBLIC AND THE WORK CREW IS MAINTAINED AT ALL TIMES THROUGHOUT THE TERM OF THE CONTRACT. THE MOTORIST SHALL BE GUIDED IN A CLEAR AND POSITIVE MANNER WHILE APPROACHING AND PASSING THROUGH CONSTRUCTION WORK AND EQUIPMENT AREAS.
- THE CONTRACTOR SHALL INSTALL (PRIOR TO BEGINNING CONSTRUCTION) AND MAINTAIN DURING CONSTRUCTION ALL NECESSARY TRAFFIC CONTROL DEVICES DURING HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH THE METHODS OF TRAFFIC CONTROL SHOWN ON THESE DRAWINGS, THE SPECIFICATIONS, AND THE NOTICED. THE WORK HOURS ARE SUBJECT TO COMPLIANCE WITH MUTCD SPECIFICATIONS.
- THE CONTRACTOR AND INSPECTORS SHALL NOT PARK VEHICLES OR WORK BEHIND DRUMS WITHIN THE TAPER OR BUFFER AREAS.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 10' TRAVEL LANES.
- STAGING OR STOCKPILING OF MATERIAL ON-SITE SHALL BE PROHIBITED.

CONTACT INFORMATION

- CONTACT THE CITY OF ROCKVILLE DEPARTMENT OF PUBLIC WORKS AT 240-314-8500 PW@ROCKVILLE.MD.GOV AT LEAST TWO WEEKS IN ADVANCE TO COORDINATE ALL TEMPORARY TRAFFIC CONTROL (TTC), ESPECIALLY IN THE VICINITY OF ANY TRAFFIC SIGNALS.

MISCELLANEOUS

- THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ALL ACCIDENTS AND/OR DAMAGE TO PERSONS AND/OR PROPERTY DAMAGE RESULTING FROM HIS/HER OPERATIONS.
- ALL TTC DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TTC DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
- AT THE COMPLETION OF WORK ACTIVITIES, CONDITIONS WITHIN THE PUBLIC SPACE SHALL BE FULLY RESTORED TO THOSE THAT EXISTED PRIOR TO THE WORK ACTIVITY.

TRAFFIC CONTROL – SEQUENCE OF CONSTRUCTION

INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION (SEE EROSION AND SEDIMENT CONTROL PLANS).

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD LEFT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.04-04, PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.04-06 OR PART-TIME STANDARD SHOULDER WORK IN ACCORDANCE WITH STANDARD NO. MD 104.04-02 AS NEEDED ALONG EASTBOUND AND WESTBOUND E. MIDDLE LN.

CONSTRUCTION ACTIVITIES INCLUDE THE FOLLOWING:
-INSTALLATION OF FINAL PAVEMENT SURFACE, SIGNING, AND PAVEMENT MARKING.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING DETAIL TEMPORARY TRAFFIC CONTROL PLANS UTILIZING THE SUGGESTED SEQUENCE OF CONSTRUCTION.

STAGE 1 (N. WASHINGTON ST GORE ISLAND CONSTRUCTION):

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-06 AS NEEDED ALONG SOUTHBOUND N. WASHINGTON ST.

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD ROADWAY CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.06-06 AS NEEDED ALONG N. WASHINGTON ST. SPUR.

SEE SHEET 18 FOR PEDESTRIAN DETOUR PLANS DURING THE CONSTRUCTION TO MINIMIZE IMPACTS BY UTILIZING STANDARD NOS. MD 104.06-09A, 09B, 09C AND 09D.

VEHICLES TRAVELLING ALONG NORTHBOUND N. WASHINGTON ST. SPUR TO ACCESS SOUTHBOUND N. WASHINGTON ST. CAN BE DETOURED SOUTHBOUND ALONG N. WASHINGTON ST. SPUR TO UTILIZE EASTBOUND BEALL AVENUE FOR ACCESS TO SOUTHBOUND N. WASHINGTON ST. VEHICLES TRAVELLING ALONG SOUTHBOUND N. WASHINGTON ST. INTENDING TO ACCESS SOUTHBOUND N. WASHINGTON ST. SPUR CAN BE DETOURED ALONG SOUTHBOUND N. WASHINGTON ST. TO UTILIZE WESTBOUND BEALL AVE FOR ACCESS.

THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSSING ACROSS THE N. WASHINGTON ST. SPUR DURING CONSTRUCTION OF THE GORE AREA FOR PEDESTRIAN MOVEMENTS.

DURING CONSTRUCTION OF THE RAMP ALONG N. WASHINGTON ST. SPUR PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR A PART-TIME PEDESTRIAN DETOUR IN ACCORDANCE WITH STANDARD NO. MD 104.06-09C UTILIZING THE CROSSING OF N. WASHINGTON ST SOUTHERN LEG AND PROCEEDING TO BEALL AVE.

CONSTRUCTION ACTIVITIES INCLUDE THE FOLLOWING:
-INSTALLATION OF PROPOSED CONCRETE ISLAND AT THE INTERSECTION OF N. WASHINGTON ST. AND N. WASHINGTON ST. SPUR.
-MODIFICATION AND INSTALLATION OF EXISTING AND PROPOSED ADA RAMPS AT THE INTERSECTION OF N. WASHINGTON ST. AND N. WASHINGTON ST. SPUR.

STAGE 2 (BEALL AVENUE):

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD LEFT LANE CLOSURES IN ACCORDANCE WITH STANDARD NO. MD 104.03-04 AS NEEDED ALONG EASTBOUND AND WESTBOUND BEALL AVE. EAST OF N. WASHINGTON ST.

THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSSING ACROSS BEALL AVE. DURING CONSTRUCTION OF THE MEDIAN NOSE FOR PEDESTRIAN MOVEMENTS.

CONSTRUCTION ACTIVITIES INCLUDE THE FOLLOWING:
-MODIFICATION OF THE EXISTING MEDIAN NOSE ALONG THE WESTBOUND APPROACH OF BEALL AVE. AT N. WASHINGTON ST.

STAGE 3 (E. MIDDLE LANE SIDEWALK):

SEE SHEET 18 FOR PEDESTRIAN DETOUR PLANS DURING THE CONSTRUCTION TO MINIMIZE IMPACTS BY UTILIZING STANDARD NOS. MD 104.06-09A, 09B, 09C AND 09D.

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-06 AS NEEDED ALONG EASTBOUND E. MIDDLE LANE BETWEEN N. WASHINGTON ST AND MARYLAND AVE. PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-06 AS NEEDED ALONG NORTHBOUND N. WASHINGTON ST. BETWEEN COURTHOUSE SQ. AND E. MIDDLE LANE.

CONSTRUCTION ACTIVITIES INCLUDE THE FOLLOWING:
-INSTALLATION OF WIDENED SIDEWALK ALONG E. MIDDLE LANE.
-MODIFICATIONS TO THE EXISTING ADA RAMPS IN THE SOUTHEAST CORNER OF E. MIDDLE LANE AND N. WASHINGTON ST.

STAGE 4 (MILLING, OVERLAY AND TEMPORARY MARKINGS):

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD LEFT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-04 AS NEEDED ALONG NORTHBOUND AND SOUTHBOUND N. WASHINGTON ST.

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-06 AS NEEDED ALONG NORTHBOUND AND SOUTHBOUND N. WASHINGTON ST.

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD LEFT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.04-04 AS NEEDED ALONG EASTBOUND AND WESTBOUND E. MIDDLE LN.

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.04-06 AS NEEDED ALONG EASTBOUND AND WESTBOUND E. MIDDLE LN.

CONSTRUCTION ACTIVITIES INCLUDE THE FOLLOWING:
-MILLING OF PAVEMENT ALONG N. WASHINGTON ST. AND E. MIDDLE LANE.
-INSTALLATION OF TEMPORARY PAVEMENT MARKING TAPE IN LAYOUT OF PROPOSED PAVEMENT MARKINGS.

STAGE 5 (CONCRETE CURBS AND BUFFERS):

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD SHOULDER WORK IN ACCORDANCE WITH STANDARD NO. MD 104.03-02 ALONG NORTHBOUND AND SOUTHBOUND N. WASHINGTON ST.

PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD SHOULDER WORK IN ACCORDANCE WITH STANDARD NO. MD 104.04-02 ALONG EASTBOUND AND WESTBOUND E. MIDDLE LN.

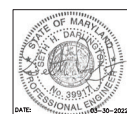
CONSTRUCTION ACTIVITIES INCLUDE THE FOLLOWING:
-INSTALLATION OF PROPOSED PRECAST CONCRETE CURBS IN BIKE LANE BUFFER AREA ALONG N. WASHINGTON ST. AND E. MIDDLE LN.

STAGE 6 (FINAL SURFACE, PAVEMENT MARKINGS, SIGNING AND PAVEMENT MARKINGS):


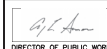
PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD LEFT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-04, PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-06 OR PART-TIME STANDARD SHOULDER WORK IN ACCORDANCE WITH STANDARD NO. MD 104.03-02 AS NEEDED ALONG NORTHBOUND AND SOUTHBOUND N. WASHINGTON ST.

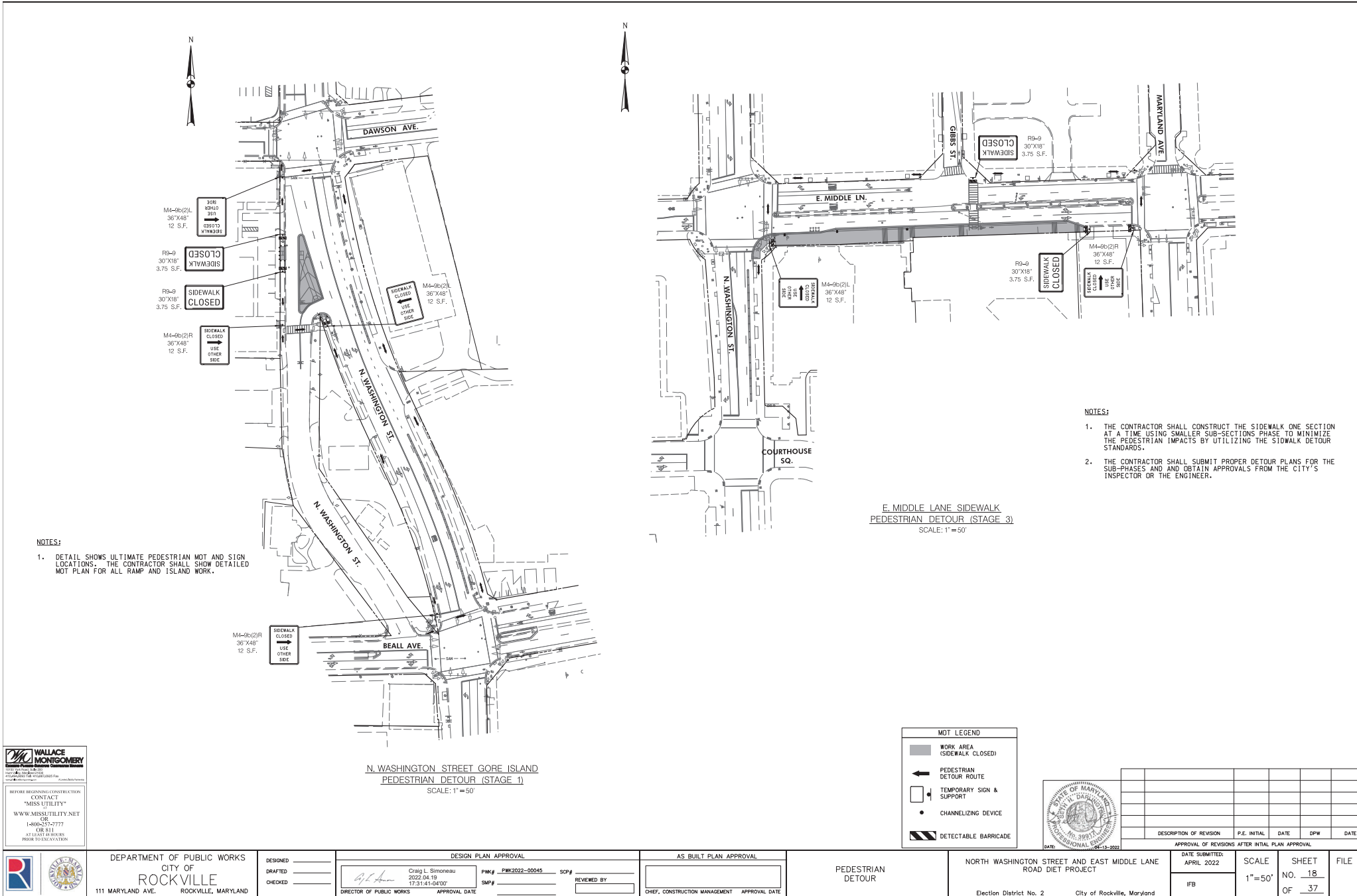


BEFORE BEGINNING OPERATION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 <p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL  Craig L. Simoneau 2022.04.19 17:21:40-04'00" DPW# _____ SMP# _____	AS BUILT PLAN APPROVAL _____ REVIEWED BY _____ _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	MAINTENANCE OF TRAFFIC NOTES	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 IFB	SCALE SHEET NO. 17 OF 37	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		DATE: 03-30-2022					



NOTES:

1. DETAIL SHOWS ULTIMATE PEDESTRIAN MOT AND SIGN LOCATIONS. THE CONTRACTOR SHALL SHOW DETAILED MOT PLAN FOR ALL RAMP AND ISLAND WORK.

NOTES:

1. THE CONTRACTOR SHALL CONSTRUCT THE SIDEWALK ONE SECTION AT A TIME USING SMALLER SUB-SECTIONS PHASE TO MINIMIZE THE PEDESTRIAN IMPACTS BY UTILIZING THE SIDEWALK DETOUR STANDARDS.
2. THE CONTRACTOR SHALL SUBMIT PROPER DETOUR PLANS FOR THE SUB-PHASES AND OBTAIN APPROVALS FROM THE CITY'S INSPECTOR OR THE ENGINEER.

WALLACE MONTGOMERY
ENGINEERS, ARCHITECTS & PLANNERS
1100 N. WASHINGTON ST., SUITE 200
ROCKVILLE, MD 20854
TEL: 301-983-8800
WWW.WMENGINEERS.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 USE BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

N. WASHINGTON STREET GORE ISLAND PEDESTRIAN DETOUR (STAGE 1)
SCALE: 1" = 50'

E. MIDDLE LANE SIDEWALK PEDESTRIAN DETOUR (STAGE 3)
SCALE: 1" = 50'

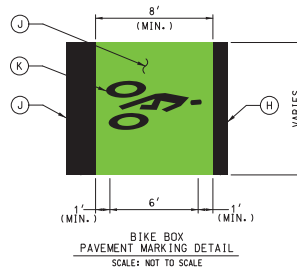
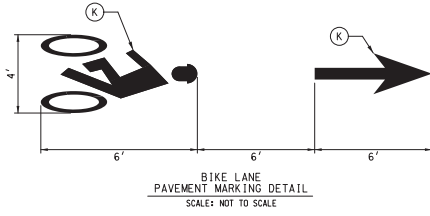
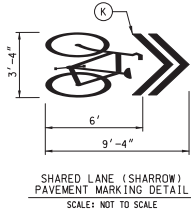
MOT LEGEND

- WORK AREA (SIDEWALK CLOSED)
- ← PEDESTRIAN DETOUR ROUTE
- TEMPORARY SIGN & SUPPORT
- CHANNELIZING DEVICE
- ▨ DETECTABLE BARRICADE



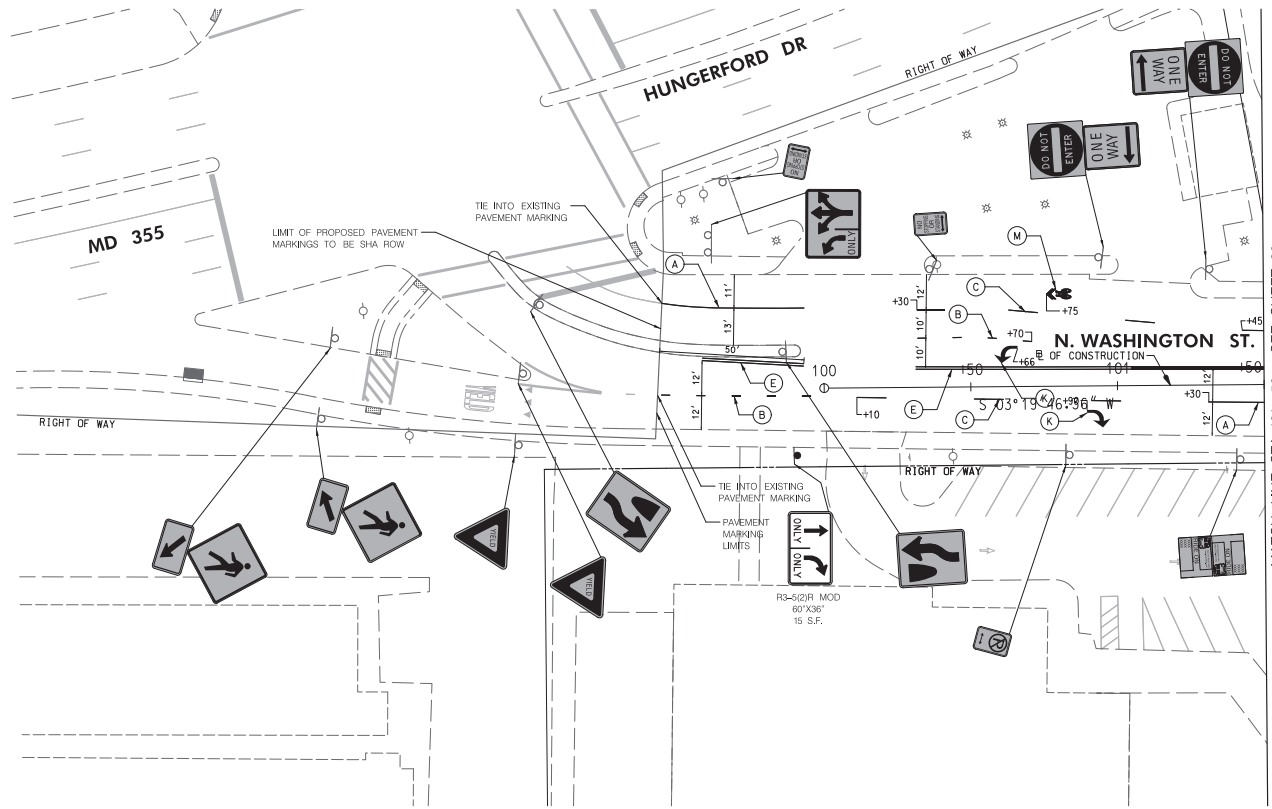
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	<p style="text-align: center;">DESIGN PLAN APPROVAL</p> _____ Craig L. Simoneau 2022.04.19 17:31:41+04'00' DIRECTOR OF PUBLIC WORKS APPROVAL DATE	<p style="text-align: center;">AS BUILT PLAN APPROVAL</p> _____ _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE	PEDESTRIAN DETOUR	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE 1" = 50'	SHEET NO. 18 OF 37	FILE #
	<p style="text-align: right;">APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL</p>								



CITY OF ROCKVILLE SIGNING AND MARKING NOTES:

1. ALL SIGNING AND MARKING SHALL BE DONE IN ACCORDANCE WITH THE LATEST MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MARYLAND STATE HIGHWAY ADMINISTRATION'S BOOK OF STANDARDS, SPECIFICATIONS AND GUIDELINES.
2. THE CONTRACTOR SHALL USE DIAMOND GRADE REFLECTIVE SHEETING FOR ALL SIGNS.
3. CROSSWALK MARKING SHALL BE DONE USING 12 INCH WIDE WHITE HEAT APPLIED PERFORMED THERMOPLASTIC.
4. STOP LINE SHALL BE 24 INCH WIDE HEAT APPLIED PERFORMED THERMOPLASTIC. THE SPACING BETWEEN THE STOP LINE AND THE CROSSWALK MARKING SHALL BE 4 FEET AT A MINIMUM.
5. WHEN SIGNS ARE INSTALLED IN CONCRETE OR WITHIN THE SIDEWALK, A PVC SLEEVE SHALL BE PROVIDED USING 40 SCHEDULE PVC (4 INCH DIAMETER).
6. NO PARKING AND OTHER PARKING SIGNS SHALL BE INSTALLED AT A 45 DEGREE ANGLE.
7. PEDESTRIAN CROSSING SIGNS SHOULD BE INSTALLED AT MARKED CROSSWALKS AND THE BACKGROUND COLOR OF THE SIGNS SHOULD BE FLUORESCENT YELLOW GREEN (FYG).
8. SIGN HEIGHT SHALL BE MINIMUM 7 FEET HIGH FROM THE BOTTOM OF THE SIGN FACE TO THE GROUND.



LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
	12' SOLID WHITE HEAT APPLIED PERMANENT REFLECTIVE PAVEMENT MARKING
	24' SOLID WHITE HEAT APPLIED PERMANENT REFLECTIVE PAVEMENT MARKING
	WHITE HEAT APPLIED REFLECTIVE PAVEMENT MARKING
	BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING
	SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 19)
	10' SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING
	BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING

WALLACE MONTGOMERY
CONSULTANTS
1100 N. WASHINGTON BLVD
ROCKVILLE, MD 20850
TEL: 301-983-9800
WWW.WMCONSULTANTS.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 24 HOURS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

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

DESIGNED: _____
DRAFTED: _____
CHECKED: _____

DESIGN PLAN APPROVAL
Craig L. Simoneau
2022.04.19
17:31:42+04'00'

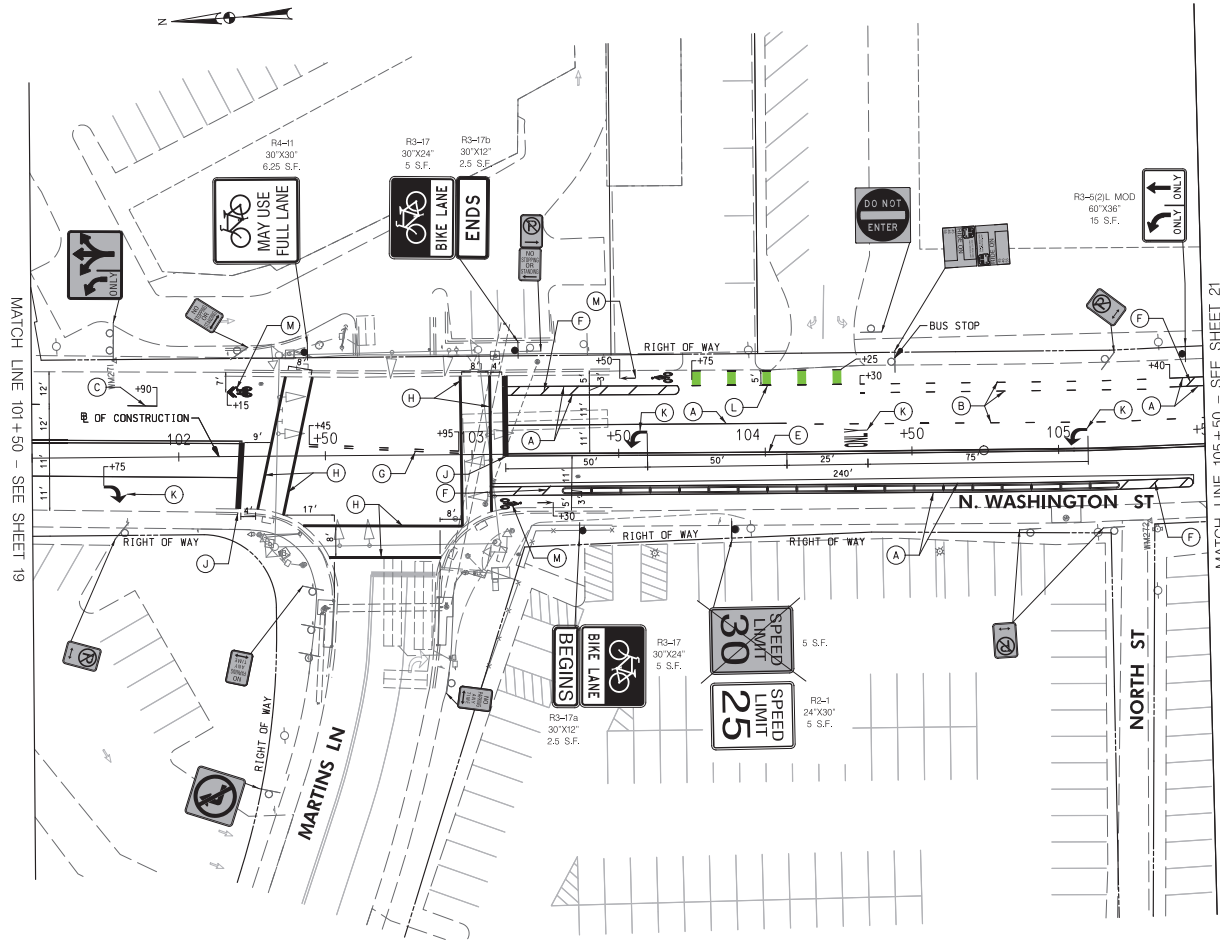
AS BUILT PLAN APPROVAL

SIGNING AND PAVEMENT MARKING PLAN

NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT
Election District No. 2 City of Rockville, Maryland

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

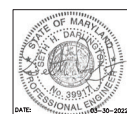
DATE SUBMITTED	SCALE	SHEET NO.	FILE #
APRIL 2022	1"=20'	NO. 19	
IFB		OF 37	



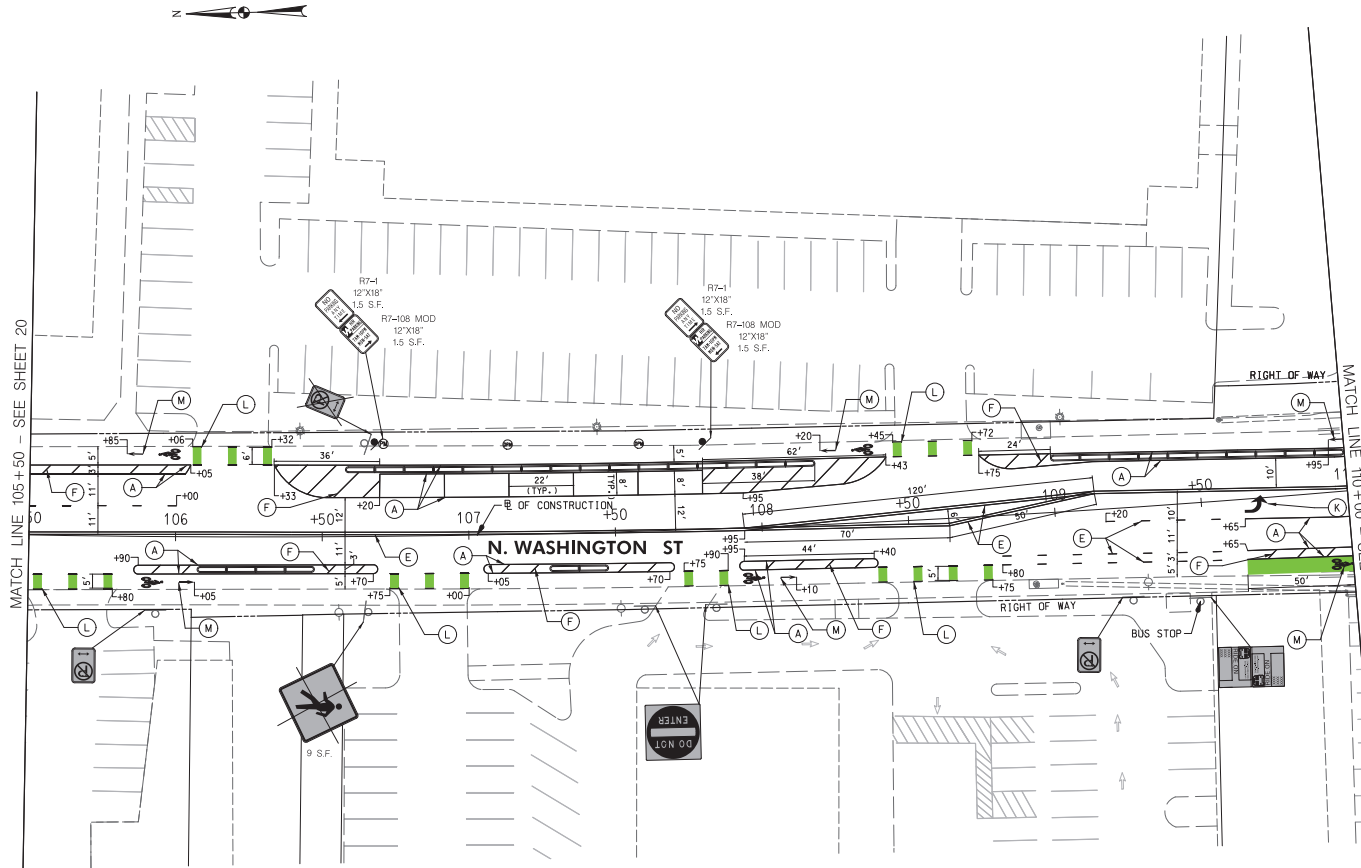
LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)
	5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
	12' SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	24' SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)
	WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING SYMBOLS AND LEGENDS
	BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 19)
	10' SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
	BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING CHEVRON (SPACED 25' AT 45°)

WALLACE MONTGOMERY
CONSULTANTS
1100 North Rockville Road
Rockville, MD 20850
Tel: 301-251-7777
Fax: 301-251-7778
www.wallacemontgomery.com

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



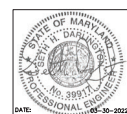
 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simonescu 2022.04.19 17:31:43.04'00"	AS BUILT PLAN APPROVAL _____ _____	SIGNING AND PAVEMENT MARKING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 IFB	SCALE: 1"=20' SHEET NO. 20 OF 37	FILE #
	APPROVAL DATE _____ DIRECTOR OF PUBLIC WORKS	APPROVAL DATE _____ CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE _____ APPROVAL DATE _____	APPROVAL DATE _____ APPROVAL DATE _____	APPROVAL DATE _____ APPROVAL DATE _____	APPROVAL DATE _____ APPROVAL DATE _____	APPROVAL DATE _____ APPROVAL DATE _____	APPROVAL DATE _____ APPROVAL DATE _____



LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)
	5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
	12" SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	24" SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)
	WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING SYMBOLS AND LEGENDS
	BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 39)
	10" SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
	BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
	10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING CHEVRON (SPACED 25' AT 45°)

WALLACE MONTGOMERY
CONSULTANTS
1100 Rockville Pike, Suite 200
Rockville, MD 20854
Tel: 301-981-9300
Fax: 301-981-9301
www.wallacemontgomery.com




















BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

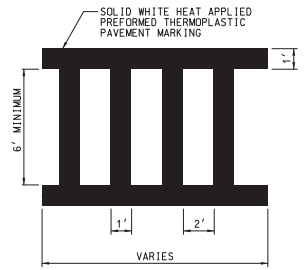
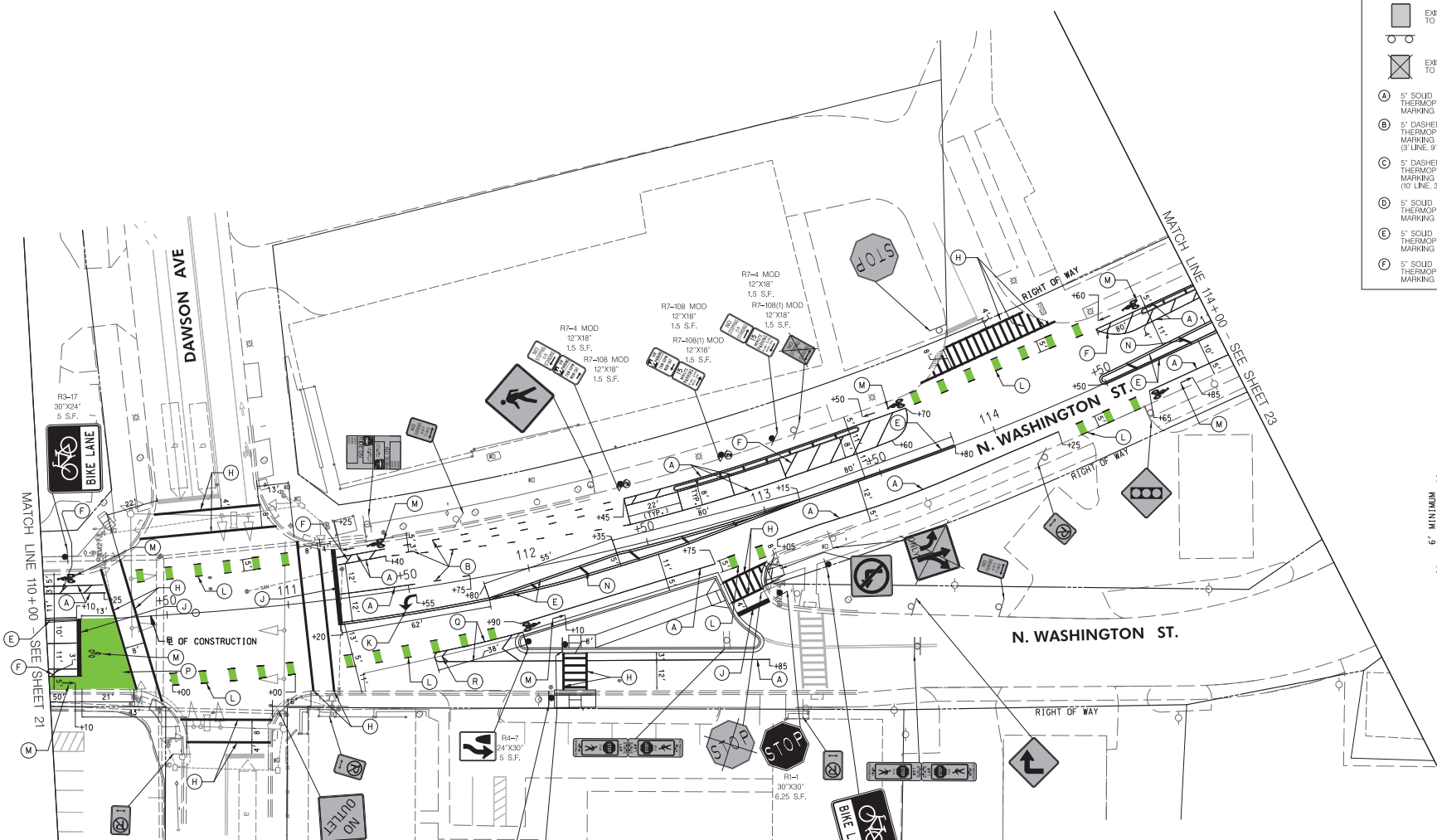


 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:21:44-04'00" DIRECTOR OF PUBLIC WORKS	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT	SIGNING AND PAVEMENT MARKING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 IFB	SCALE: 1"=20' SHEET NO. 21 OF 37	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL DATE _____		REVENUED BY _____		APPROVAL DATE _____	

IFB # 04-23
SECTION VII



- LEGEND**
-  PROPOSED SIGN
 -  EXISTING SIGN TO REMAIN
 -  EXISTING SIGN TO BE REMOVED
 -  A 5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
 -  B 5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
 -  C 5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
 -  D 5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING
 -  E 5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
 -  F 5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)
 -  G 5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
 -  H 12' SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
 -  I 24' SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)
 -  J WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING SYMBOLS AND LEGENDS
 -  K BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
 -  L SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 39)
 -  M 10' SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
 -  N BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
 -  O 10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
 -  P 10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)

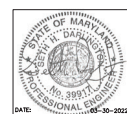


CROSSWALK PAVEMENT MARKING DETAIL
NOT TO SCALE

WALLACE MONTGOMERY
CONSULTANTS
1100 Rockville Pike
Rockville, MD 20850
Tel: 301-460-0000
Fax: 301-460-0001
www.wallacemontgomery.com

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" OR WWW.MISSUTILITY.NET OR 1-800-255-7777 FOR ALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.


-  W16-7P(L) 24"x12" 2 S.F.
-  W11-2 30"x30" 6.25 S.F.
-  W16-7P(R) 24"x12" 2 S.F.
-  W11-2 30"x30" 6.25 S.F.



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

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

DESIGNED _____
DRAFTED _____
CHECKED _____

DESIGN PLAN APPROVAL

 Craig L. Simoneau
 2022.04.19
 17:31:45-04'00"

AS BUILT PLAN APPROVAL

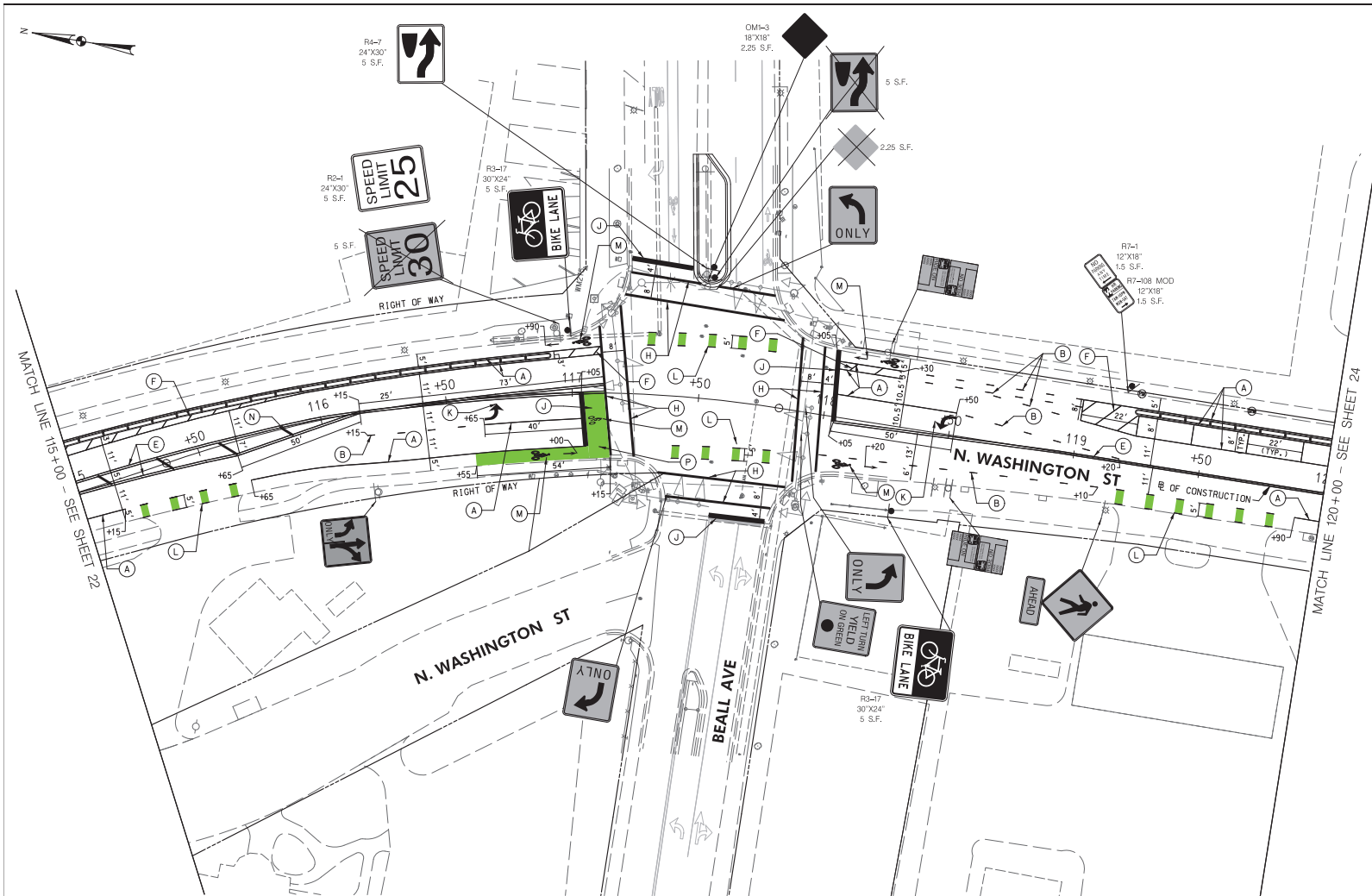
 CHIEF, CONSTRUCTION MANAGEMENT

SIGNING AND PAVEMENT MARKING PLAN

 REVIEWED BY

NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT
 Election District No. 2 City of Rockville, Maryland

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL
 DATE SUBMITTED: MARCH 2022
 SCALE: 1"=20'
 SHEET NO. 22 OF 37
 FILE # _____



LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)
	5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
	12' SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	24' SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)
	WHITE HEAT APPLIED REFLECTIVE PAVEMENT MARKING SYMBOLS AND LEGENDS
	BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 39)
	10' SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
	BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (CHEVRON) (SPACED 25' AT 45°)

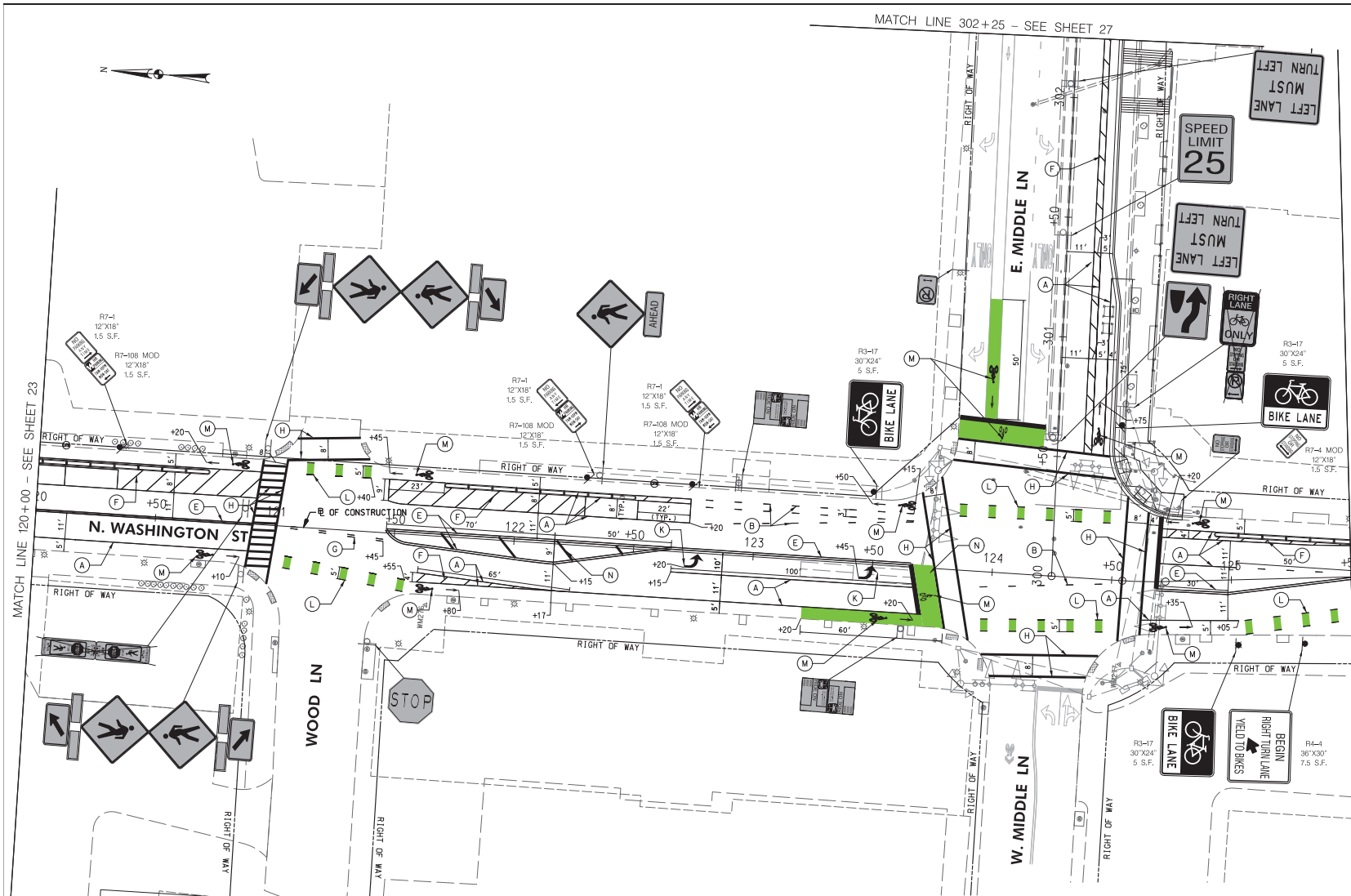
WALLACE MONTGOMERY
CONSULTANTS
1100 North Rockville Road
Rockville, MD 20850
Tel: 301-981-2000
Fax: 301-981-2001
www.wallacemontgomery.com

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:45-04:00 PPK# _____ SMP# _____ SCP# _____ REVIEWED BY _____ APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	SIGNING AND PAVEMENT MARKING PLAN NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 SCALE: 1"=20' SHEET NO. 23 OF 37 FILE # _____
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 IFB		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 IFB		

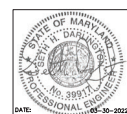


LEGEND

	PROPOSED SIGN		5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3 LINE, 3 SPACE)
	EXISTING SIGN TO REMAIN		12' SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	EXISTING SIGN TO BE REMOVED		24' SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING		WHITE HEAT APPLIED PERFORMED THERMOPLASTIC PAVEMENT MARKING SYMBOLS AND LEGENDS
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)		BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10 LINE, 30 SPACE)		BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING		BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING		BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)		BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)		BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)

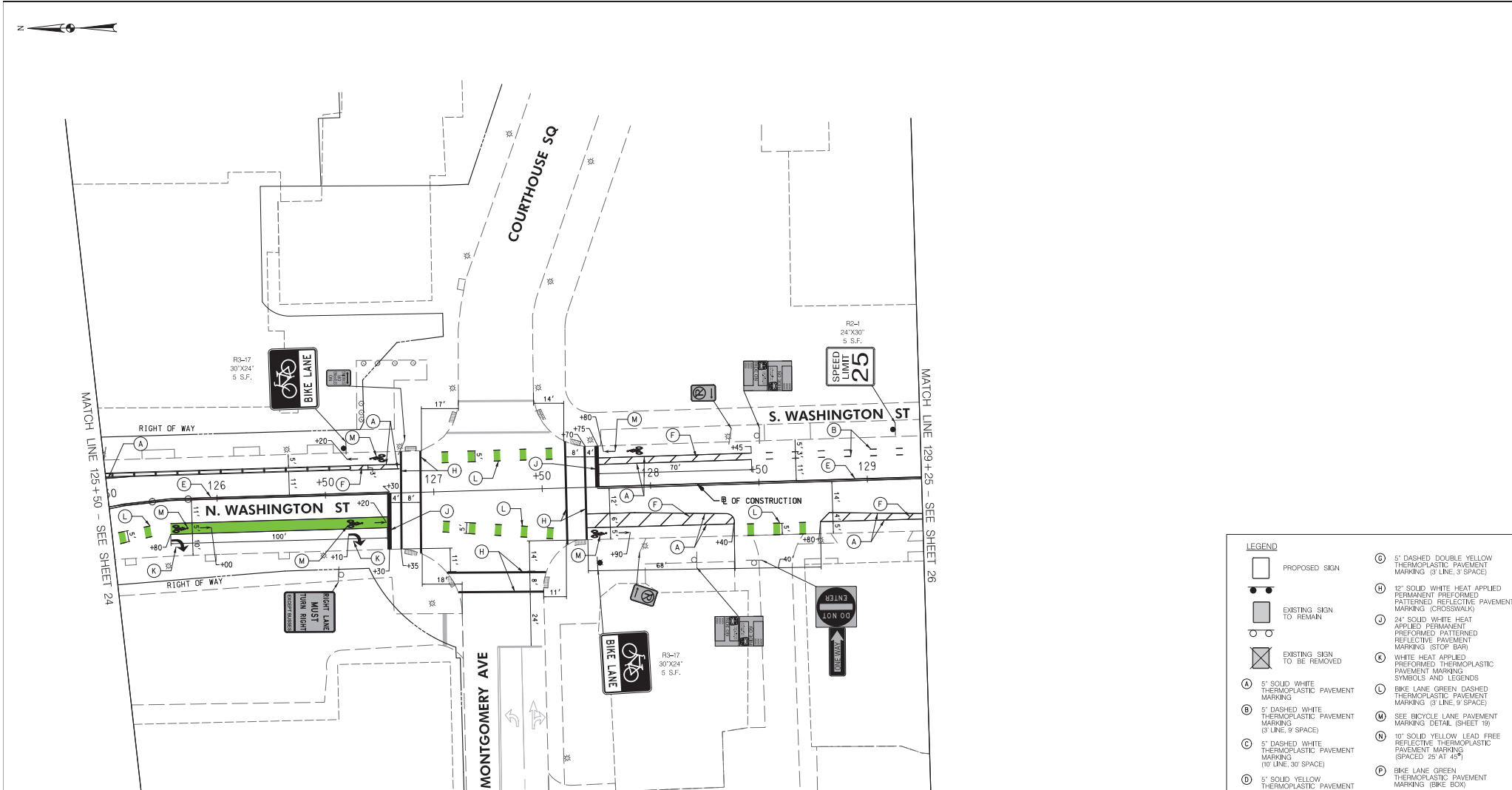
WALLACE MONTGOMERY
CONSULTANTS
1100 EAST WASHINGTON STREET
ROCKVILLE, MD 20851
TEL: 301-981-9800
WWW.WMCONSULTANTS.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

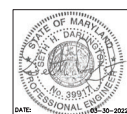
<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simmons 2022.04.19 17:31:46-04:00 SMP# _____ DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	SIGNING AND PAVEMENT MARKING PLAN NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 SCALE: 1"=20' SHEET NO. 24 OF 37 FILE # _____
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 IFB		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 IFB		



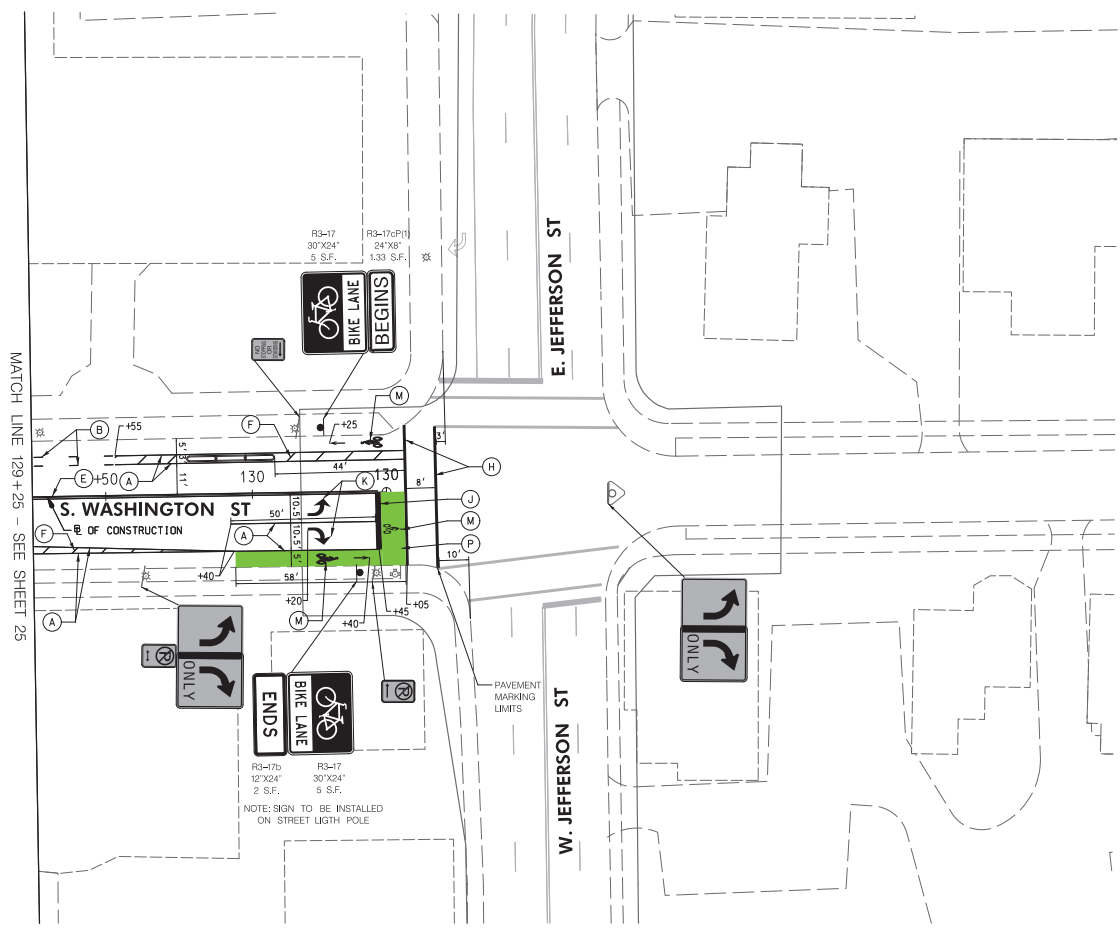
- LEGEND**
- PROPOSED SIGN
 - EXISTING SIGN TO REMAIN
 - EXISTING SIGN TO BE REMOVED
 - 5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
 - 5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
 - 5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
 - 5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING
 - 5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
 - 5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)
 - 5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
 - 12' SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
 - 24' SOLID WHITE HEAT APPLIED PERMANENT REFLECTIVE PAVEMENT MARKING (STOP BAR)
 - WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING SYMBOLS AND LEGENDS
 - BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
 - BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
 - 10' SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
 - BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING
 - 10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
 - 10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (CHEVRON) (SPACED 25' AT 45°)

WALLACE MONTGOMERY
CONSULTANTS
1100 N. WASHINGTON BLVD
ROCKVILLE, MD 20850
TEL: 301-981-2200
WWW.WMCONSULTANTS.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-255-7777 FOR 24 HOURS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION



<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL _____ Craig L. Simonescu 2022.04.19 17:31:47+0000'	AS BUILT PLAN APPROVAL _____ _____ _____	SIGNING AND PAVEMENT MARKING PLAN _____ _____ _____	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 DATE: 03-30-2022	SCALE: 1"=20' SHEET NO. 25 OF 37	FILE # _____
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	P.W.#: _____ S.C.P.#: _____ REVIEWED BY: _____ APPROVAL DATE: _____	CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE: _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 DATE: _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 DATE: _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 DATE: _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 DATE: _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 DATE: _____

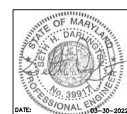


LEGEND

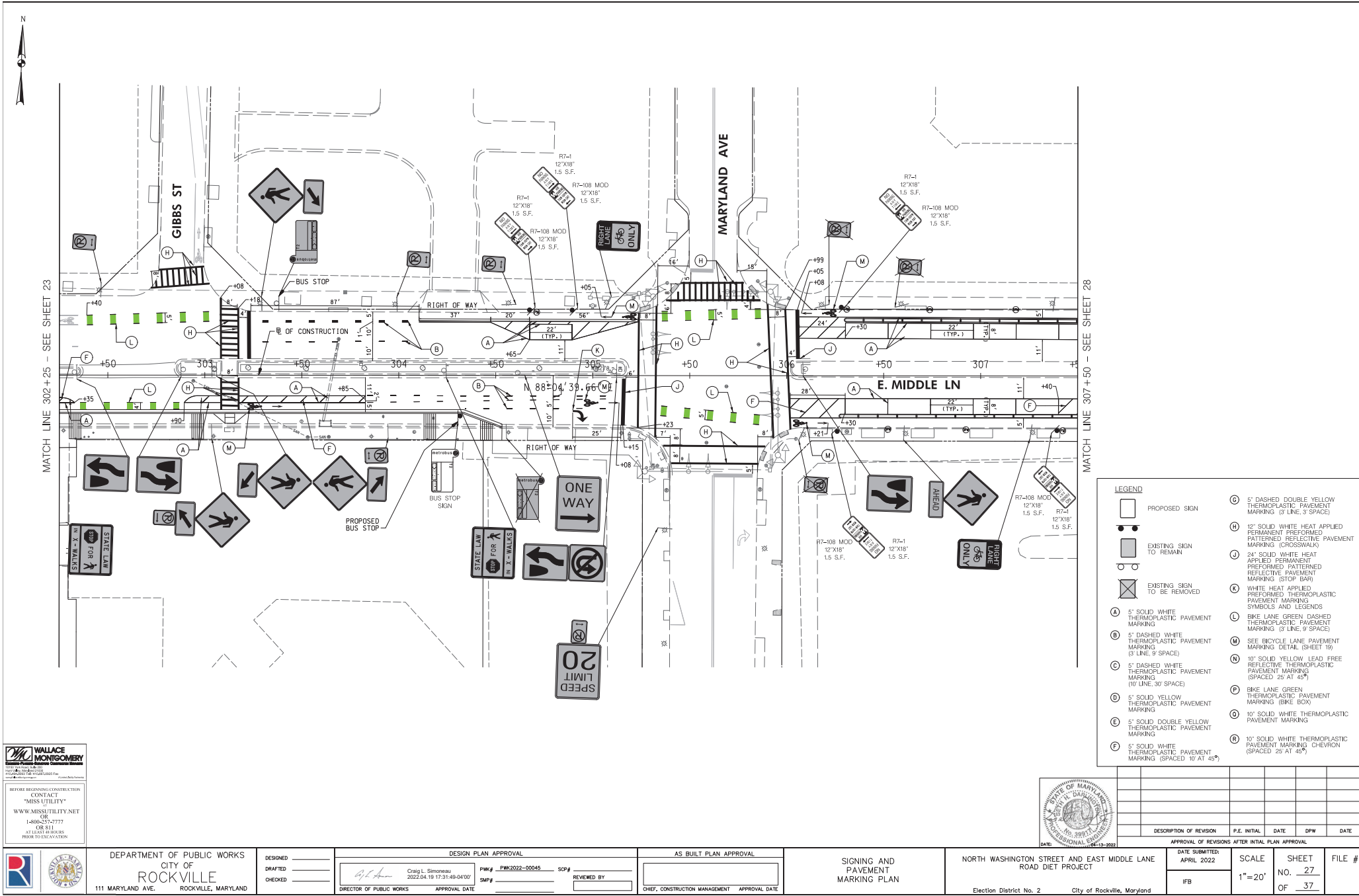
	PROPOSED SIGN		5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
	EXISTING SIGN TO REMAIN		12" SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	EXISTING SIGN TO BE REMOVED		24" SOLID WHITE HEAT APPLIED PERMANENT REFLECTIVE PAVEMENT MARKING (STOP BAR)
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING		WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING SYMBOLS AND LEGENDS
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)		BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)		SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 39)
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING		10" SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING		BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)		10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
			10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING CHEVRON (SPACED 25' AT 45°)

WALLACE MONTGOMERY
CONSULTANTS
1100 W. WASHINGTON BLVD. SUITE 200
ROCKVILLE, MD 20854
TEL: 301.981.1000 FAX: 301.981.1001
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO EXCAVATION.



 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:49:04:00	AS BUILT PLAN APPROVAL _____ _____	SIGNING AND PAVEMENT MARKING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 IFB	SCALE 1"=20' SHEET NO. <u>26</u> OF <u>37</u>	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL DATE _____		REVENUED BY _____		CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	



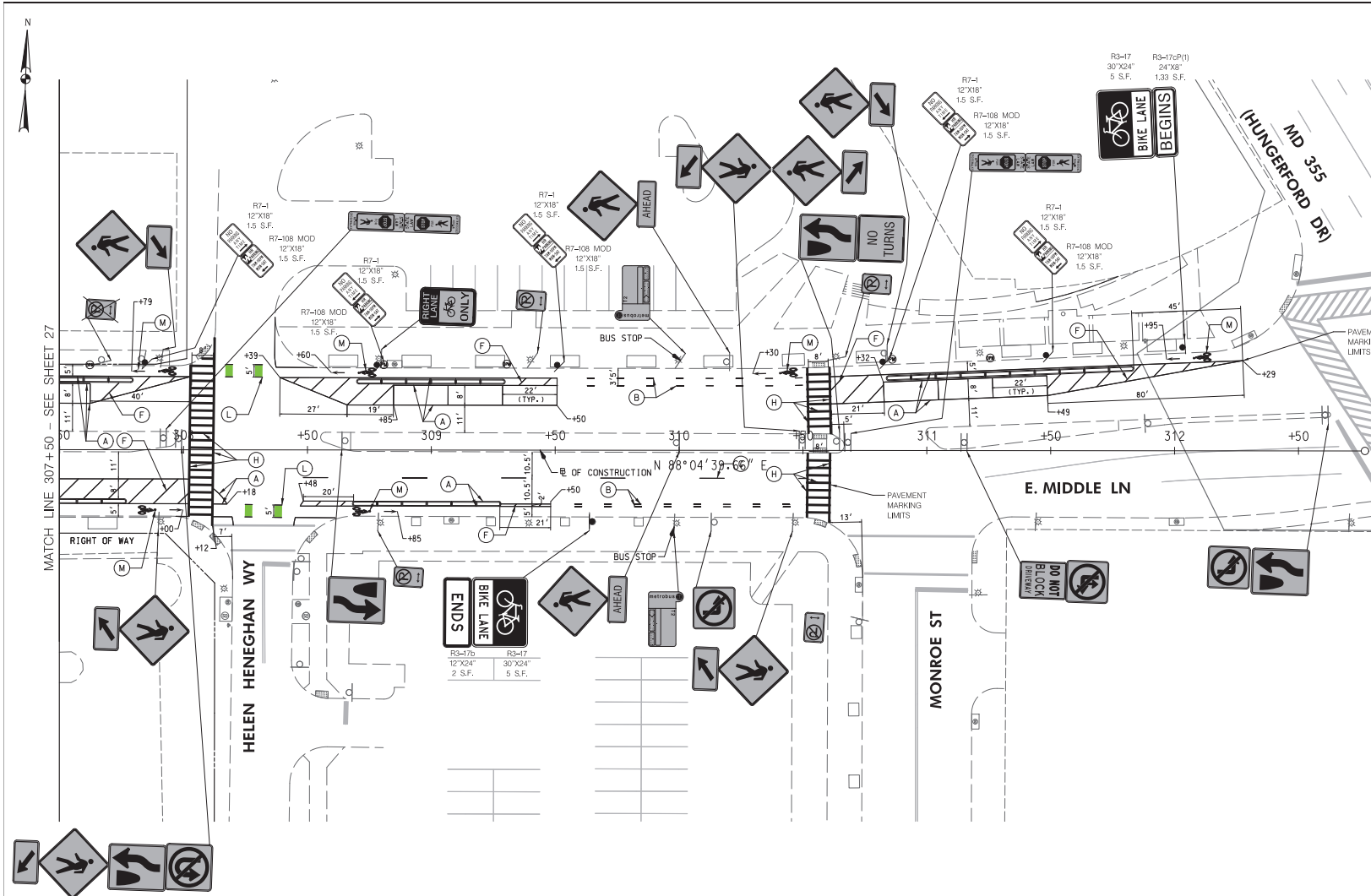
LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)
	5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
	12" SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	24" SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)
	WHITE HEAT APPLIED PATTERNED THERMOPLASTIC PAVEMENT MARKING SYMBOLS AND LEGENDS
	BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 39)
	10" SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
	BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
	10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	10" SOLID WHITE THERMOPLASTIC PAVEMENT MARKING CHEVRON (SPACED 25' AT 45°)

WALLACE MONTGOMERY
CONSULTANTS
1100 Rockville Pike
Rockville, MD 20854
Tel: 301-761-1000
Fax: 301-761-1001
www.wallacemontgomery.com

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-255-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



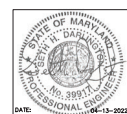
<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simonau 2022.04.19 17:31:49-04'00' SMP# _____ DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	SIGNING AND PAVEMENT MARKING PLAN NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 SCALE: 1"=20' SHEET NO. 27 OF 37 FILE # _____																											
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL <table border="1"> <thead> <tr> <th>DESCRIPTION OF REVISION</th> <th>P.E. INITIAL</th> <th>DATE</th> <th>DPW</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																									
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																												



LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10' LINE, 30' SPACE)
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10' AT 45°)
	5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
	12' SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	24' SOLID WHITE HEAT APPLIED PERMANENT REFLECTIVE PAVEMENT MARKING (STOP BAR)
	WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING SYMBOLS AND LEGENDS
	BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 9' SPACE)
	SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 39)
	10' SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
	BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING CHEVRON (SPACED 25' AT 45°)

WALLACE MONTGOMERY
CONSULTANTS
1100 N. WASHINGTON ST., SUITE 200
ROCKVILLE, MD 20854
TEL: 301-981-9300
WWW.WALLACEMONTGOMERY.COM

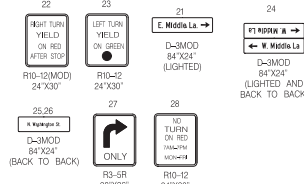
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 24 HOURS PRIOR TO CONSTRUCTION.



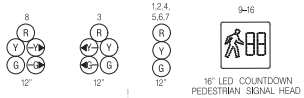
 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:21:51\424001	AS BUILT PLAN APPROVAL _____ _____	SIGNING AND PAVEMENT MARKING PLAN _____ _____	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 DATE: 04-13-2022	SCALE: 1"=20' SHEET NO. 28 OF 37	FILE # _____																																																				
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	PWD# P2M2022-00045 SCP# _____ SMP# _____ REVIEWED BY _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL <table border="1"> <thead> <tr> <th>DESCRIPTION OF REVISION</th> <th>P.E. INITIAL</th> <th>DATE</th> <th>DPW</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																																																			DATE SUBMITTED: APRIL 2022 DATE: _____	SCALE: 1"=20' SHEET NO. 28 OF 37
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																																																								

NOTE: WASHINGTON ST. IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

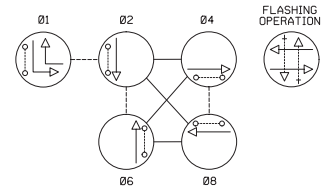
EXISTING SIGNS TO REMAIN



EXISTING SIGNALS TO REMAIN

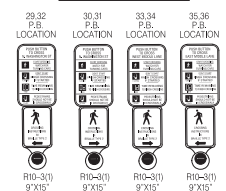


NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

EXISTING SIGNS TO BE REPLACED



CONSTRUCTION DETAILS

- A. INSTALL 6 FT BREAKAWAY DECORATIVE PEDESTAL AND FOUNDATION (STD. MD 801-01) WITH NEW AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON SYSTEM WITH VIBRATING ARROW AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS EAST MIDDLE LANE." (NOTE: ONE 3 INCH SCHEDULE 80 PVC 90 DEGREE CONDUIT ELBOW IN BASE).
- B. RECONSTRUCT EXISTING RAMP WITH A MODIFIED PERPENDICULAR ADA RAMP WITH CAST-IN-PLACE DETECTABLE WARNING SURFACE (SEE SHEET NO. 11).
- C. INSTALL 3 IN SCHEDULE 80 PVC CONDUIT - TRENCHED.
- D. REMOVE EXISTING PEDESTAL POLE, PUSHBUTTON SIGN, ALL RELATED EQUIPMENT AND FOUNDATION (1 FT BELOW GRADE).
- E. CONNECT NEW CONDUIT TO EXISTING HANDHOLE.
- F. UTILIZE EXISTING HANDHOLE.
- G. UTILIZE EXISTING CONDUIT.
- H. REMOVE EXISTING PUSHBUTTON AND REPLACE NEW AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON SYSTEM WITH VIBRATING ARROW AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS NORTH WASHINGTON STREET."
- J. REMOVE EXISTING PUSHBUTTON AND REPLACE NEW AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON SYSTEM WITH VIBRATING ARROW AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS EAST MIDDLE LANE."
- K. REMOVE EXISTING PUSHBUTTON AND REPLACE NEW AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON SYSTEM WITH VIBRATING ARROW AND R10-3(1) SIGN TO READ "PUSH BUTTON TO CROSS WEST MIDDLE LANE."
- L. SAW CUT ROADWAY AND INSTALL NEW TRAFFIC LOOP VEHICLE DETECTOR (6'X30" LOOP QUADRUPLE). EXISTING LOOPS NOT SHOWN FOR CLARITY.

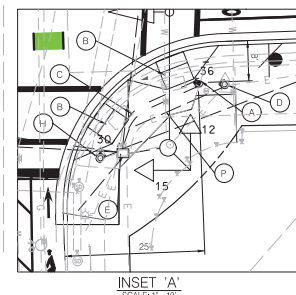
WALLACE MONTGOMERY
CONSULTANTS, INC.
14000 25th Avenue, Rockville, MD 20850
Tel: 301-251-7777
Fax: 301-251-7777
www.wallacemontgomery.com

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

GEOMETRIC LEGEND
--- EXISTING
--- PROPOSED

UTILITY LEGEND
--- STORM DRAIN
--- G --- GAS MAIN
--- W --- WATER MAIN
--- SAN --- SEWER MAIN
--- E --- ELEC. CABLES UG
--- E --- ELEC. CABLES OH
--- T --- TELE. CABLES UG
--- T --- TELE. CABLES OH
--- FO --- FIBER-OPTIC UG
--- FO --- FIBER-OPTIC OH

- M. INSTALL APS CONTROL UNIT IN EXISTING CONTROLLER CABINET.
- N. INSTALL 1 IN SCHEDULE 80 PVC CONDUIT - TRENCHED.
- P. CAP AND ABANDON CONDUIT.



- GENERAL NOTES**
- FOR LOCATION OF CITY WATER AND SEWER CALL "CITY UTILITIES SUPERINTENDENT" AT 240-314-9567 AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 - FOR LOCATION OF UTILITIES CALL 1-800-257-7777 OR LOG ON TO <http://www.missutility.net/111c/> 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY.
 - THE CONTRACTOR MUST SUBMIT CUT SHEET PROPOSALS FOR ALL FURNISHED ITEMS TO THE CITY OF ROCKVILLE FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT.
 - THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
 - THE PAVEMENT MARKINGS SHOWN ON THIS PLAN SHALL BE INSTALLED IN ACCORDANCE WITH MDT SHA STANDARDS. SEE SIGNING AND PAVEMENT MARKING PLAN FOR DETAIL SHEET 241.
 - ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL WORK, UNLESS OTHERWISE DIRECTED BY THE CITY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL STONED CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
 - THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
 - ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CULLED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 818-02, MD 818-01, MD 818-04, MD 818-04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
 - PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A MINIMUM 48"X48" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
 - PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
 - LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND R10-4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED FROM THE CITY.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL UNUSED CABLES FROM THE EXISTING CONDUITS AT NO CHARGE TO THE CITY.
 - GROUT ALL NEW CONDUITS THAT EXTEND INTO EXISTING HANDHOLES TO FILL GAP BETWEEN WALL OF HANDHOLE.
 - ALL NEW DETECTABLE WARNING SURFACES SHALL BE CAST-IN-PLACE CONCRETE PER STD. MD 655.40.
 - SEE SPECIAL PROVISIONS FOR MAINTENANCE OF TRAFFIC SPECIFICATIONS. ONE (1) PEDESTRIAN CROSSING ALONG EACH ROADWAY SHALL BE MAINTAINED AT ALL TIMES.
 - ALL DIMENSIONS TO PROPOSED SIGNAL POLES/PEDESTALS ARE FROM FACE OF CURB TO CENTER OF PROPOSED POLE/PEDESTAL.
 - CONTRACTOR SHALL REPLACE ANY REMOVED OR DAMAGED BRICKS. CONTRACTOR SHALL INVENTORY BRICK PATTERN AND ELEVATIONS PRIOR TO REMOVAL IN ORDER TO REBUILD IN-IND.

<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	<p>DESIGNED _____</p> <p>DRAFTED _____</p> <p>CHECKED _____</p>	<p>DESIGN PLAN APPROVAL</p> <p>Craig L. Simoneau 2022.04.19 17:21:52-04'00"</p> <p>PK# 2022-00045 SCP# _____</p> <p>SMP# _____</p> <p>DIRECTOR OF PUBLIC WORKS APPROVAL DATE</p>	<p>AS BUILT PLAN APPROVAL</p> <p>REVIEWED BY _____</p> <p>CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE</p>	<p>SIGNAL PLAN</p>	<p>NORTH WASHINGTON STREET @ EAST MIDDLE LANE Election District No. 2 City of Rockville, Maryland</p>	<p>DATE SUBMITTED: MARCH 2022</p> <p>SCALE 1"=20'</p> <p>SHEET NO. 29 OF 37</p> <p>FILE # _____</p>																																															
	<p>APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL</p> <table border="1"> <thead> <tr> <th>DESCRIPTION OF REVISION</th> <th>P.E. INITIAL</th> <th>DATE</th> <th>DPW</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																																														<p>APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL</p> <p>DATE: 03-30-2022</p>
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																																																	

PROJECT DESCRIPTION

- I. GENERAL
THIS PROJECT INVOLVES THE INSTALLATION OF NEW APS SIGNALS AT ALL PEDESTRIAN CROSSINGS AT THE INTERSECTION OF NORTH WASHINGTON STREET AND EAST MIDDLE LANE, AND RECONSTRUCTION OF NEW PEDESTRIAN RAMPS WITH DETECTABLE WARNING SURFACES TO MEET FEDERAL ADA STANDARDS. NORTH WASHINGTON STREET IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.
- II. INTERSECTION OPERATION
A) THIS INTERSECTION IS TO CONTINUE TO OPERATE AS A SEMI-ACTUATED TRAFFIC SIGNAL WITH THE NORTH WASHINGTON STREET APPROACHES RUNNING CONCURRENTLY (PHASE 2 & 6), AND MINOR STREET APPROACHES SHALL RUN CONCURRENTLY (PHASE 4 & 8).
B) THE INSTALLED IN EXISTING BASE-MOUNTED CONTROLLER CABINET SHALL BE A NEW FULL-TRAFFIC-ACTUATED, EIGHT-PHASE ASC/3-2100 CONTROLLER, WITH AN UPS AND BBS INTERSECTION SYSTEM.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY THE CITY OF ROCKVILLE

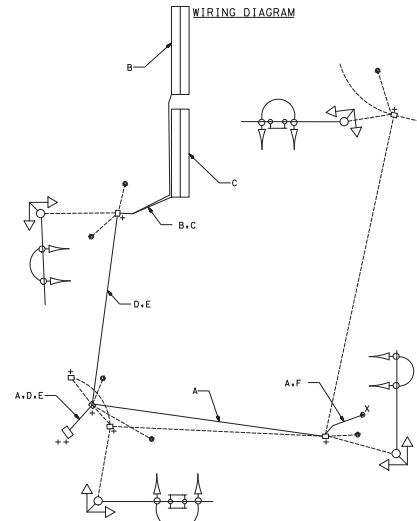
SPEC. NUMBER	DESCRIPTION	QUANTITY
	NONE	

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NUMBER	DESCRIPTION	QUANTITY
1003	MAINTENANCE OF TRAFFIC	1 LS
2001	TEST PIT EXCAVATION	1 CY
8001	FURNISH AND INSTALL CONCRETE FOR POLE FOUNDATION	1 CY
8005	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	25 LF
8006	FURNISH AND INSTALL 1 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	10 LF
8007	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	25 LF
8013	FURNISH AND INSTALL 6 FOOT DECORATIVE PEDESTAL POLE	1 EA
8014	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	5 EA
8015	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	190 LF
8016	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	140 LF
8017	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING	950 LF
8018	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)	265 LF
8019	FURNISH AND INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS	8 EA
8020	FURNISH AND INSTALL 2-WIRE APS CENTRAL CONTROL UNIT	1 EA
8021	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT	1 LS

PHASE CHART

	NORTHBOUND		SOUTHBOUND		EASTBOUND		WESTBOUND		WEST PED	EAST PED	NORTH PED	SOUTH PED	
	1	2	3	4	5	6	7	8	9 10	11 12	13 14	15 16	
PHASE 1 AND 6	R	R	+G- G	G	R	R	R	R	-G+	WK WK	DW DW	DW DW	DW DW
1 AND 6 CHANGE	R	R	+Y- Y	Y	R	R	R	R	-Y+	DW DW	DW DW	DW DW	DW DW
PHASE 2 AND 6	G	G	G	G	R	R	R	R	WK WK	WK WK	DW DW	DW DW	
PED CLEARANCE	G	G	G	G	R	R	R	R	FLDWFLOW	FLDWFLOW	DW DW	DW DW	
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW DW	DW DW	DW DW	DW DW	
PHASE 4 AND 8	R	R	R	R	G	G	G	G	DW DW	DW DW	DW DW	DW DW	
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW DW	DW DW	DW DW	DW DW	
PHASE 4 AND 8 ALT	R	R	R	R	G	G	G	G	DW DW	DW DW	WK WK	WK WK	
PED CLEARANCE	R	R	R	R	G	G	G	G	DW DW	DW DW	FLDWFLOW	FLDWFLOW	
4 AND 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	DW DW	DW DW	DW DW	DW DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK DARK	DARK DARK	DARK DARK	DARK DARK	



WIRING KEY

- A - 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- B,C - LOOP WIRE
- D,E - 2-CONDUCTOR ALUMINUM-SHIELDED LEAD-IN CABLE
- F - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- + - GROUND ROD

WALLACE MONTGOMERY
CONSULTANTS
1100 N. GREENSBORO BLVD.
SUITE 200
ROCKVILLE, MD 20850
TEL: 301-981-1100
FAX: 301-981-1101
WWW.WMCONSULTANTS.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION.

<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:21:53-04'00"	AS BUILT PLAN APPROVAL _____	GENERAL INFORMATION NORTH WASHINGTON STREET @ EAST MIDDLE LANE ELECTION DISTRICT NO. 4 CITY OF ROCKVILLE, MARYLAND	DATE SUBMITTED: APRIL 2022 SCALE: SEE ABOVE SHEET NO. 30 OF 37 FILE # _____																																																	
	APPROVAL DATE _____ DIRECTOR OF PUBLIC WORKS	PM# #_PJM2022-00045 SCP# _____ REVIEWED BY _____ SNP# _____	APPROVAL DATE _____ CHEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE _____ APPROVAL DATE _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL <table border="1"> <thead> <tr> <th>DESCRIPTION OF REVISION</th> <th>P.E. INITIAL</th> <th>DATE</th> <th>CPW</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE																																												
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE																																																		

THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN FOREIGN STRUCTURES AND CONDUIT SHALL BE AS FOLLOWS:

- TELEPHONE CONDUIT - 3" CONCRETE OR 12" EARTH.
- GAS AND OIL MAINS - 12" EARTH.
- GAS PIPES 16" OR LARGER REQUIRES 18" OF EARTH.
- WSSC WATER AND SEWER - 5' OUT TO OUT HORIZONTAL AND 1' VERTICAL (CROSSING).
- D.C. WATER AND SEWER - 4' OUT TO OUT HORIZONTAL AND 1' VERTICAL (CROSSING).
- STORM DRAINS - 5' OUT TO OUT HORIZONTAL AND 6" VERTICAL (CROSSING).

STREETLIGHT CONDUIT INSTALLATION CHECKLIST

2 (TWO) - 4" (FOUR) INCH, SCHEDULE 40, PVC CONDUIT TO BE INSTALLED BY THE CONTRACTOR CONNECTING EACH SPLICEBOX IN A CONTINUOUS RUN.

1 (ONE) - 2" (TWO) INCH, SCHEDULE 40, PVC CONDUIT TO BE INSTALLED BY THE CONTRACTOR CONNECTING SPLICEBOX TO THE STREETLIGHT FOOTING.

CONTRACTOR TO PROVIDE AND INSTALL PROTOCELLS FOR EACH STREETLIGHT LUMINAIRE

STREETLIGHT AND POST ERRECTED BY THE CONTRACTOR ARE TO BE WIRED WITH #10 AWG (MIN) COPPER WITH A THREE-FOOT LOOP OF SLACK IN THE SPLICEBOX FOR ATTACHMENT BY PEPCO.

STREETLIGHT POSTS ARE TO HAVE A GROUNDING LUG ATTACHED TO THE BASE OF THE POST WITH A MINIMUM THREE FOOT LOOP OF SLACK IN THE SPLICEBOX OF #6 AWG BARE COPPER WIRE ATTACHED.

ALL SWEEPBENDS TO BE A MINIMUM OF 24 INCHES RADIUS

1/4" NYLON PULL-LINE IS TO BE INSTALLED IN EACH CONDUIT DUCT

CONTRACTOR TO INSTALL MARKING TAPE ONE FOOT (1') ABOVE EACH CONDUIT RUN.

NO MORE THAN 270 DEGREES OF BENDS IN A CONDUIT RUN.

CONDUIT IS TO HAVE THREE (3) FEET (MINIMUM) COVER OVER IT.

INSTALLATION OF ALL UNDERGROUND LIGHTING FACILITIES ARE ALSO SUBJECT TO PEPCO INSPECTION AND WRITTEN APPROVAL BEFORE CONCEALMENT. FAILURE TO OBTAIN SUCH INSPECTION WILL RESULT IN THE UNCOVERING OF FACILITIES AT THE CONTRACTOR'S EXPENSE. CALL 301-670-8808 OR 301-670-8828 7:00 TO 9:00 AM OR 3:00 TO 4:00 PM TWO WORKING DAYS IN ADVANCE TO ARRANGE INSPECTION.

ALL STREETLIGHT EQUIPMENT AND MATERIALS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO BEING INSTALLED ON THE PROJECT. SEE TECHNICAL SPECIFICATIONS FOR STREETLIGHT SPECIFICATIONS.

ALL STREETLIGHTS SHALL BE INSTALLED 2'-6" BEHIND THE FACE OF CURB (UNLESS AS NOTED ON THE PLANS).

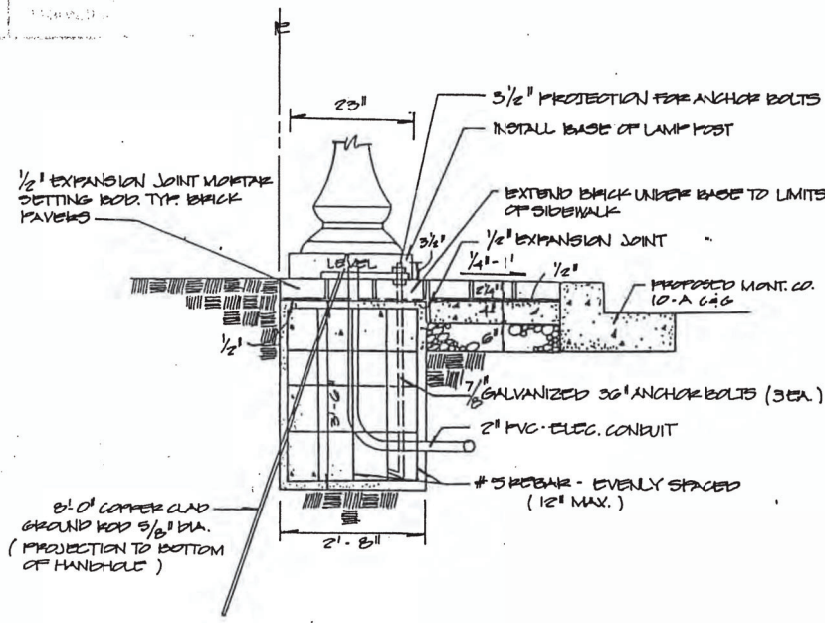
CONTRACTOR FURNISHED EQUIPMENT NOTES:

PEPCO TO PROVIDE ENERGY AND CABLING

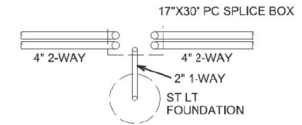
CONTRACTOR SHALL PROVIDE LUMINAIRES (RELOCATED FROM EXISTING), POLES (RELOCATED FROM EXISTING), PHOTOCELLS, FOOTINGS AND CONDUIT

CONTRACTOR TO PROVIDE CONDUIT AS REQUESTED BY PEPCO

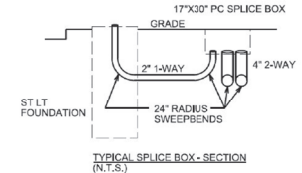
REFER TO CONDUIT CHECKLIST FOR ADDITIONAL INFORMATION.



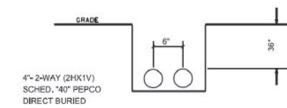
TYPICAL STREET LIGHT FOUNDATION
ROCKVILLE DETAIL 81



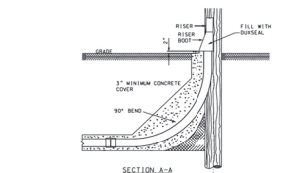
TYPICAL SPLICE BOX - PLAN/VIEW
(N.T.S.)



TYPICAL SPLICE BOX - SECTION
(N.T.S.)



MAINLINE TRENCH DETAIL
(TYP.) (N.T.S.)



- NOTES:
- CONDUIT DEPARTMENT WILL PULL OUT IF RISER IS NOT INSTALLED IMMEDIATELY.
 - GROUNDING AS SECTIONED, CONTRACTOR READING MUST BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
 - SEE PAGE 2 FOR ACCEPTABLE SWEEP BEND INSTALLATION.

WALLACE MONTGOMERY
ENGINEERS, ARCHITECTS & PLANNERS
1100 N. GREENWOOD AVE. SUITE 200
ROCKVILLE, MD 20851
TEL: 301-584-9300
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION CONTACT:
"MISS UTILITY"
WWW.MISSUTILITY.NET
OR
1-800-251-7777
OR 311
AT LEAST 48 HOURS
PRIOR TO CONSTRUCTION



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

DESIGNED _____
DRAFTED _____
CHECKED _____

DESIGN PLAN APPROVAL

 Craig L. Simonsu
 2022.04.19
 17:31:54+0000
 DIRECTOR OF PUBLIC WORKS APPROVAL DATE

AS BUILT PLAN APPROVAL

 CRAIG L. SIMONSU
 REVIEWED BY

 CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE

LIGHTING DETAILS
AND NOTES

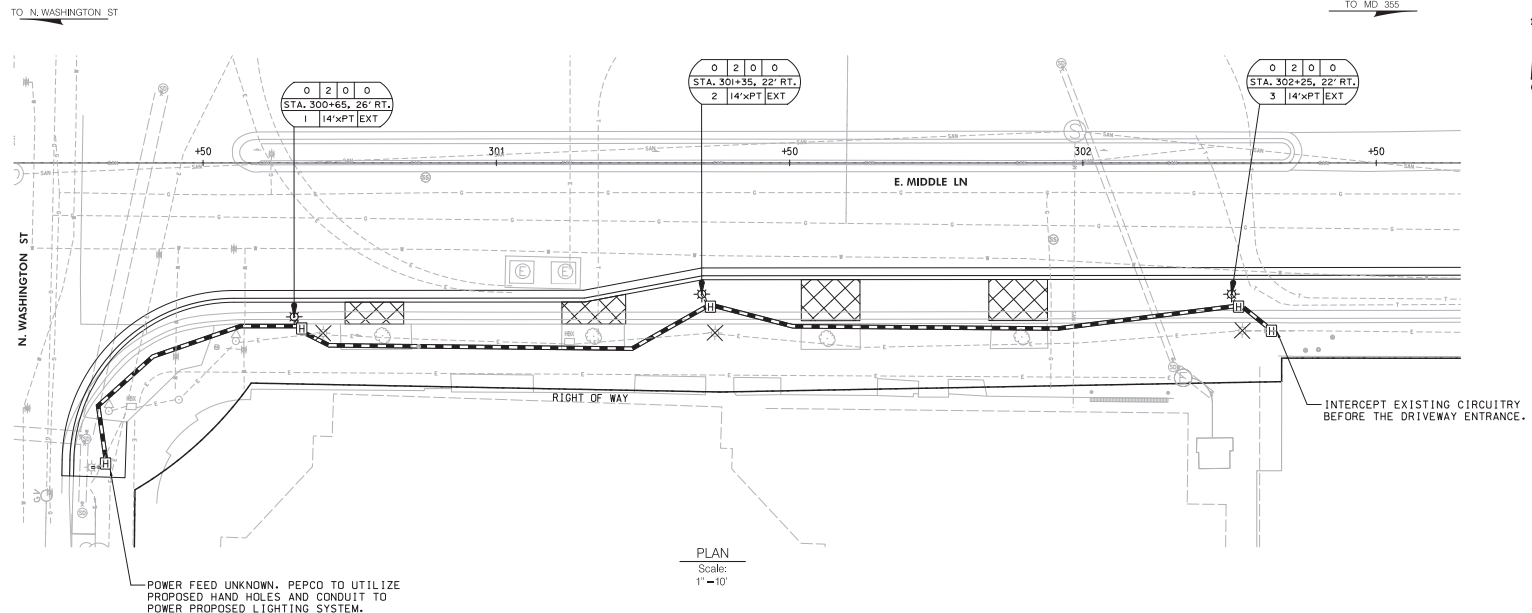
NORTH WASHINGTON STREET AND EAST MIDDLE LANE
ROAD DIET PROJECT
Election District No. 2 City of Rockville, Maryland

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL
 DATE SUBMITTED: APRIL 2022
 SCALE: NTS
 SHEET NO. 31 OF 37
 FILE # _____

DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

LIGHT POLE RELOCATION	
3 C.Y.	LIGHT POLE FOUNDATIONS
3 EA.	RELOCATE LIGHT POLE FOUNDATION
212 LF.	2 1/2" PVC CONDUIT SCHEDULE 40
6 LF.	2" PVC CONDUIT SCHEDULE 40
5 EA.	SPLICE BOX

- NOTES:
- ALL ELECTRICAL WIRING AND CONNECTIONS TO BE COMPLETED BY UTILITY PROVIDER. CONTRACTOR TO INSTALL CONDUIT, HANDHOLES, GROUND RODS AND FOUNDATIONS, AND RELOCATE LIGHT POLES.
 - FOR LIGHT POLE RELOCATION, SEE THE FOUNDATION DETAIL ON SHEET 31.
 - THE LIGHTING CIRCUITRY IS ASSUMED TO BE IN ONE CIRCUIT.



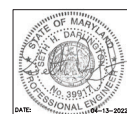
PLAN
Scale: 1"=10'

WALLACE MONTGOMERY
CONSULTANTS
1100 North Rockville Road
Rockville, MD 20850
Tel: 301-981-9300
Fax: 301-981-9301
www.wallacemontgomery.com

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 8 HOURS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION

LEGEND

- EXISTING LIGHT POLE
- EXISTING LIGHT POLE TO BE RELOCATED
- RELOCATED LIGHT POLE
- 2 - 4 INCH SCHEDULE 40 PVC CONDUITS (TRENCHED)
- 2 INCH SCHEDULE 40 PVC CONDUIT (TRENCHED)
- ELECTRICAL MANHOLE (STD. NO. MD 811.04)
- SIGN & LIGHT POLE IDENTIFICATION TAG
- QUANTITY OF CONNECTOR KITS; TYPES I, II, III, IV
- STATION LOCATION OF POLE
- CIRCUIT NUMBERS AND PANEL
- POLE HEIGHT AND MAST ARM LENGTH
- POLE OR SIGN IDENTIFICATION NUMBER



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:50-04:00' DIRECTOR OF PUBLIC WORKS APPROVAL DATE	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE	LIGHTING PLAN NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE: 1"=10' SHEET NO. 32 OF 37	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL						

B.4.5 STANDARDS AND SPECIFICATIONS

FOR

PERMANENT STABILIZATION

Definition

To stabilize disturbed soils with permanent vegetation.

Purpose

To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

Conditions Where Practice Applies

Exposed soils where ground cover is needed for 6 months or more.

Criteria

A. Seed Mixtures

1. General Use

- 1. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan.
2. Additional planting specifications for exceptional sites such as shorelines, stream banks, or dunes, or for special purposes such as wildlife or restorative treatment may be found in USDA-NRCS Technical Field Office Guide, Section 312 Critical Area Planting.
3. For sites having disturbed area over 5 acres, use and show the rates recommended by the soil testing agency.
4. For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 1/2 pounds per 1000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown in the Permanent Seeding Summary.

2. Turfgrass Mixtures

- A. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.
B. Select one or more of the species or mixtures listed below based on the site conditions or purpose. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The summary is to be placed on the plan.
i. Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and Eastern Shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.
ii. Kentucky Bluegrass/Perennial Rye: Full Sun Mixture: For use in full sun areas where rapid establishment is necessary and when turf will receive medium to intensive management. Certified Perennial Ryegrass Cultivars/Certified Kentucky Bluegrass Seeding Rate: 2 pounds mixture per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.
iii. Tall Fescue/Kentucky Bluegrass: Full Sun Mixture: For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes Certified Tall Fescue Cultivars 95 to 100 percent, Certified Kentucky Bluegrass Cultivars 0 to 5 percent. Seeding Rate: 5 to 8 pounds per 1000 square feet. One or more cultivars may be blended.
iv. Kentucky Bluegrass/Fine Fescue: Shade Mixture: For use in areas with shade in bluegrass lawns. For establishment in high quality, intensively managed turf areas. Mixture includes: Certified Kentucky Bluegrass Cultivars 30 to 40 percent and Certified Fine Fescue and 60 to 70 percent. Seeding Rate: 1 1/2 to 3 pounds per 1000 square feet.

Notes: Turfgrass varieties should be selected from those listed in the most current University of Maryland Publication, Agronomy Memo #77, "Turfgrass Cultivar Recommendations for Maryland"

Choose certified material. Certified material is the best guarantee of cultivar purity. The certification program of the Maryland Department of Agriculture, Turf and Seed Section, provides a reliable means of consumer protection and assures a pure genetic line.

C. Ideal Times of Seeding

- Western MD: March 15 to June 1, August 1 to October 1 (Hardness Zones: 5b, 6a)
Central MD: March 1 to May 15, August 15 to October 15 (Hardness Zone: 6b)
Southern MD, Eastern Shore: March 1 to May 15, August 15 to October 15 (Hardness Zones: 7a, 7b)
d. Till areas to receive seed by tilling or other approved methods to a depth of 2 to 4 inches, level and rake the areas to prepare a proper seedbed. Remove stones and debris over 1/2 inch in diameter. The resulting seedbed must be in such condition that future mowing of grasses will pose no difficulty.
e. If soil moisture is deficient, supply new seedlings with adequate water for plant growth (1/2 to 1 inch every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedlings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites.

Permanent Seeding Summary

Table with 6 columns: No., Species, Application Rate (lb/ac), Seeding Dates, Seeding Depth, and Lime Rate. It details two seed mixtures for different hardness zones (4 and II) with their respective application rates and seeding specifications.

B. Soil: To provide quick cover on disturbed areas (2 1/2 grade or flatter).

1. General Specifications

- a. Class of turfgrass sod must be Maryland State Certified. Sod labels must be made available to the job foreman and inspector.
b. Sod must be machine cut at a uniform soil thickness of 1/2 inch, plus or minus 1/8 inch, at the time of cutting. Measurement for thickness must exclude top growth and thatch. Broken pads and torn or uneven ends will not be acceptable.
c. Standard size sections of sod must be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
d. Sod must not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.
e. Sod must be harvested, delivered, an installed within a period of 36 hours. Sod not transplanted within this period must be approved by an agronomist or soil scientist prior to its installation.

2. Soil Installation

- a. During periods of excessively high temperature or in areas having dry subsoil, lightly irrigate the subsoil immediately prior to laying the sod.
b. Lay the first row of sod in a straight line with subsequent rows placed parallel to it and tightly wedged against each other. Stagger lateral joints to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots.
c. Whenever possible, lay sod with the long edges parallel to the contour and with staggering joints. Roll and tamp, peg or otherwise secure the sod to prevent slippage on slopes. Ensure solid contact exists between sod roots and the underlying soil surface.
d. Water the sod immediately following rolling and tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. Complete the operations of laying, tamping and irrigating for any piece of sod within eight hours.

3. Sod Maintenance

- a. In the absence of adequate rainfall, water daily during the first week or as often and sufficiently as necessary to maintain moist soil to a depth of 4 inches. Water sod during the heat of the day to prevent wilting.
b. After the first week, sod watering is required as necessary to maintain adequate moisture content.
c. Do not mow until the sod is firmly rooted. No more than 1/3 of the grass leaf must be removed by the initial cutting or subsequent cuttings. Maintain a grass height of at least 3 inches unless otherwise specified.

B.4.4 STANDARDS AND SPECIFICATIONS

FOR

TEMPORARY STABILIZATION

Definition

To stabilize disturbed soils with vegetation for up to 6 months.

Purpose

To use fast growing vegetation that provides cover on disturbed soils.

Conditions Where Practice Applies

Exposed soils where ground cover is needed for a period of 6 months or less. For longer duration of time, permanent stabilization practices are required.

Criteria

- 1. Select one or more of the species or seed mixtures listed in Table B.1 for the appropriate Plant Hardness Zone (from Figure B.3), and enter them in the Temporary Seeding Summary below along with application rates, seeding dates and seeding depths. If this Summary is not put on the plan and completed, then Table B.1 plus fertilizer and lime rates must be put on the plan.
2. For sites having soil tests performed, use and show the recommended rates by the testing agency. Soil tests are not required for Temporary Seeding.
3. When stabilization is required outside of a seeding season, apply seed and mulch or straw mat as prescribed in Section B-4-3.D.1.a and maintain until the next seeding season.

Temporary Seeding Summary

Table with 6 columns: No., Species, Application Rate (lb/ac), Seeding Dates, Seeding Depth, and Lime Rate. It details two seed mixtures for different hardness zones (6B and II) with their respective application rates and seeding specifications.

WALLACE MONTGOMERY logo and contact information for MISS UTILITY, including website and phone number.



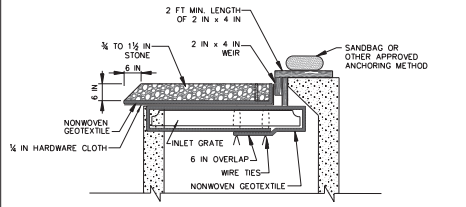
Table with 5 columns: DESCRIPTION OF REVISION, P.E. INITIAL, DATE, DFW, DATE. It is currently empty.

Approval and project information section containing Department of Public Works logo, project name (NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT), and various approval signatures and dates.

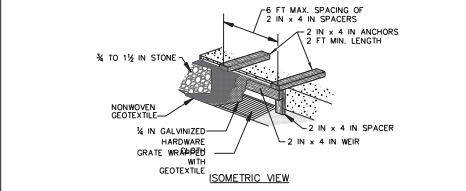
DETAIL E-9-6 COMBINATION INLET PROTECTION



MAXIMUM DRAINAGE AREA = 1/4 ACRE



SECTION



ISOMETRIC VIEW

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-6 COMBINATION INLET PROTECTION



CONSTRUCTION SPECIFICATIONS

1. USE NOMINAL 2 INCH x 4 INCH LUMBER.
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
3. LIFT GRATE, AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS, THEN SET GRATE BACK IN PLACE.
4. ATTACH A CONTINUOUS PIECE OF 1/4 INCH GALVANIZED HARDWARE CLOTH WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2X4 WEIR, EXTENDING 2 FEET BEYOND THROAT ON EACH SIDE.
5. PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE, THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH IT TO THE WEIR.
6. NAIL THE 2X4 WEIR TO THE TOP OF A 9 INCH LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAXIMUM 4 FEET APART).
7. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2X4 ANCHORS (MINIMUM 2 FOOT LENGTHS OF 2x4 INCH TO THE TOP OF THE WEIR AT SPACER LOCATIONS). EXTEND 2X4 ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD.
8. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND BOTH ENDS OF THE THROAT OPENING.
9. FORM THE 1/4 INCH HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE OVER THE HARDWARE CLOTH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
10. AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
11. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

WALLACE MONTGOMERY
10200 Greenleaf, MD 21044
410.427.0000
www.wallacemontgomery.com

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

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

DESIGNED	L. E. W.
DRAFTED	L. E. W.
CHECKED	C. V. M.

DESIGN PLAN APPROVAL

Craig L. Simonetti 2022.04.19 17:31:59-04'00'

PKW # _____ SCP # SCP2022-00014

SMP # _____ REVIEWED BY _____

DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____

AS BUILT PLAN APPROVAL

CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____

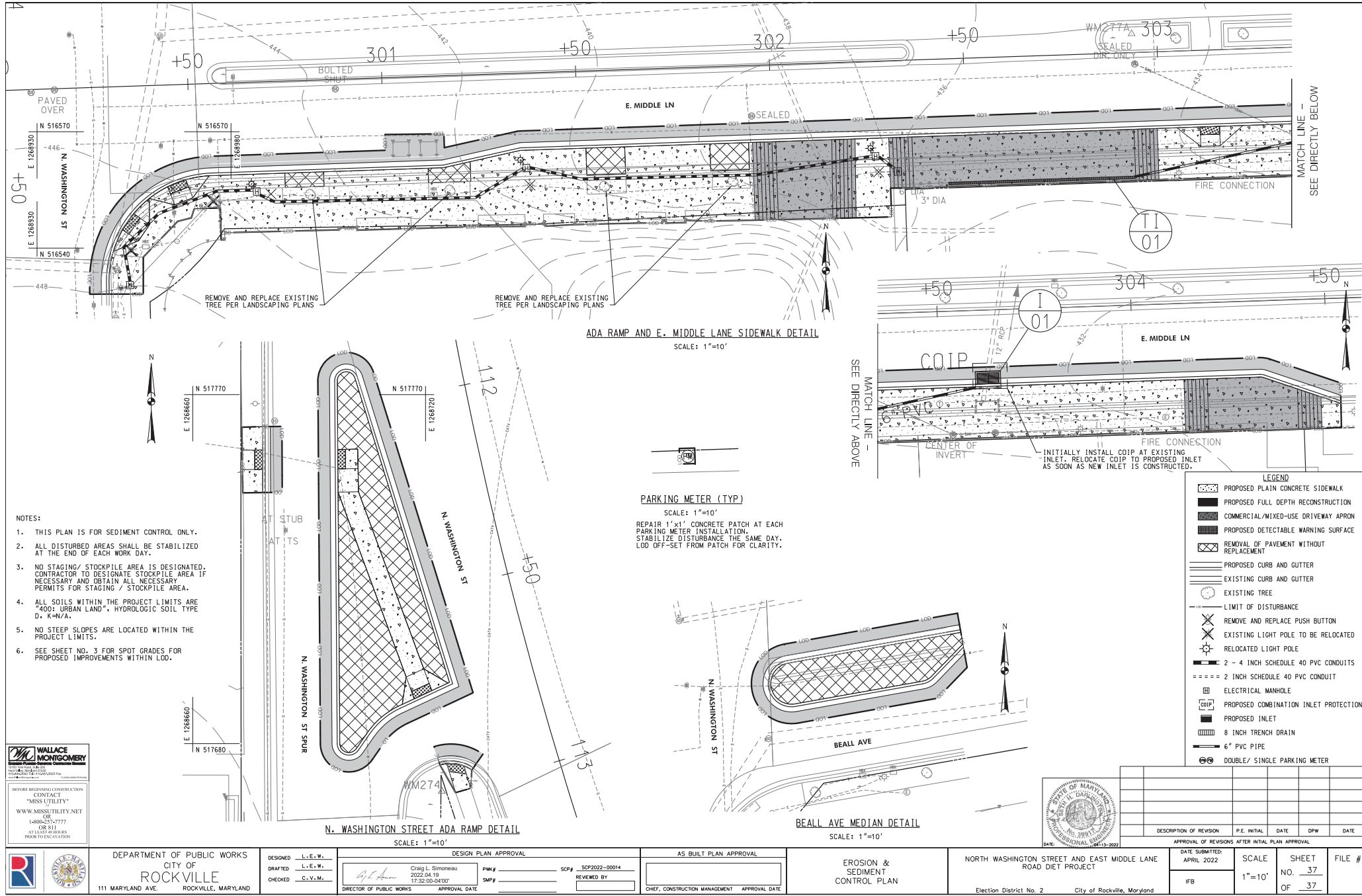
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT
Election District No. 2 City of Rockville, Maryland



DATE	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE

DATE SUBMITTED: APRIL 2022	SCALE N.T.S.	SHEET NO. 36	FILE #
IFB		OF 37	



- NOTES:
1. THIS PLAN IS FOR SEDIMENT CONTROL ONLY.
 2. ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY.
 3. NO STAGING/ STOCKPILE AREA IS DESIGNATED. CONTRACTOR TO DESIGNATE STOCKPILE AREA IF NECESSARY AND OBTAIN ALL NECESSARY PERMITS FOR STAGING / STOCKPILE AREA.
 4. ALL SOILS WITHIN THE PROJECT LIMITS ARE "400: URBAN LAND", HYDROLOGIC SOIL TYPE D, K-H/A.
 5. NO STEEP SLOPES ARE LOCATED WITHIN THE PROJECT LIMITS.
 6. SEE SHEET NO. 3 FOR SPOT GRADES FOR PROPOSED IMPROVEMENTS WITHIN LOD.

WALLACE MONTGOMERY
CONSULTANTS
1111 W. BROADWAY
ROCKVILLE, MD 20854
TEL: 301.251.7777
WWW.MISSUTILITY.NET

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

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

DESIGNED: L.E.W.
DRAFTED: L.E.W.
CHECKED: C.V.M.

DESIGN PLAN APPROVAL
Craig L. Simonsau
2022.04.19
17:32:00-04:00

AS BUILT PLAN APPROVAL

EROSION & SEDIMENT CONTROL PLAN

NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT

Election District No. 2 City of Rockville, Maryland

DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

DATE SUBMITTED: APRIL 2022
SCALE: 1"=10'
SHEET NO. 37 OF 37
FILE #