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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, OR 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 GRADED AGGREGATE BASE (GAB) FROM BELOW THE PAVEMENT TO THE TOP OF THE PIPE EMBEDMENT ZONE OR TO A DEPTH OF FIVE FEET, WHICHEVER IS LESS.
- 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:

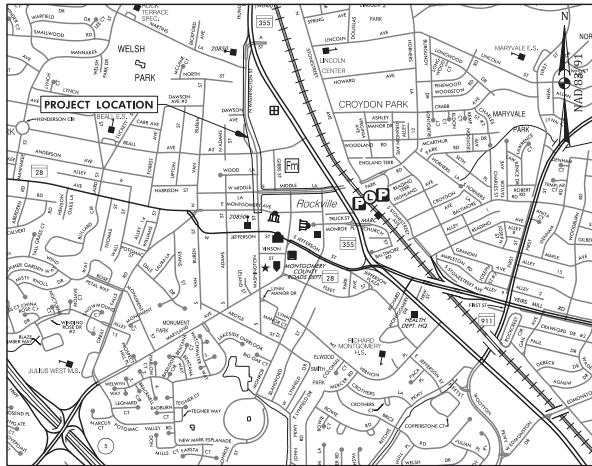
- JOB SAFETY AND TRAFFIC CONTROL SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFORM TO ALL LAWS AND REGULATIONS IN REGARD TO WORK AREAS OR ADJACENT TO OVERHEAD POWER LINES.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY 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	240-34-8577
FIBERLIGHT/ SUNBELT TELECOM	727-596-1800
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		PROPOSED PIPE / CULVERT	
ELECTRICAL HAND BOX - SIGNALS		EXISTING PIPE / CULVERT	
FLOW LINE		EXISTING DROP INLET	
STATE, COUNTY OR CITY LINES		UTILITY POLE	
PROPOSED TRAFFIC BARRIER		WETLAND	
EXISTING TRAFFIC BARRIER		WETLAND BUFFER	
PROPOSED FENCE LINE		WATERS OF THE U.S.	
EXISTING FENCE LINE		HEDGE / TREE LINE	
RIGHT OF WAY LINE		BUSH / TREE	
RAILROAD		CONIFEROUS TREE	
EXISTING ROADWAY		GROUND ELEVATION	
BASE LINE OR SURVEY LINE		GRADE ELEVATION	
FIRE HYDRANT			
HISTORIC BOUNDARY			
WATERS OF THE U.S.			

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/SQ.FT.):	N/A (PUBLIC ROW)
TOTAL CONCEPT AREA (AC/SQ.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) & Wdv(WATER QUANTITY VOLUME) MEASURES:	NONE
CONTIGUOUS RIGHT-OF-WAY Qp10(10-YEAR QUANTITY CONTROL) MEASURES:	NONE
OTHER INFORMATION:	SWM MEASURES = FEE IN LIEU

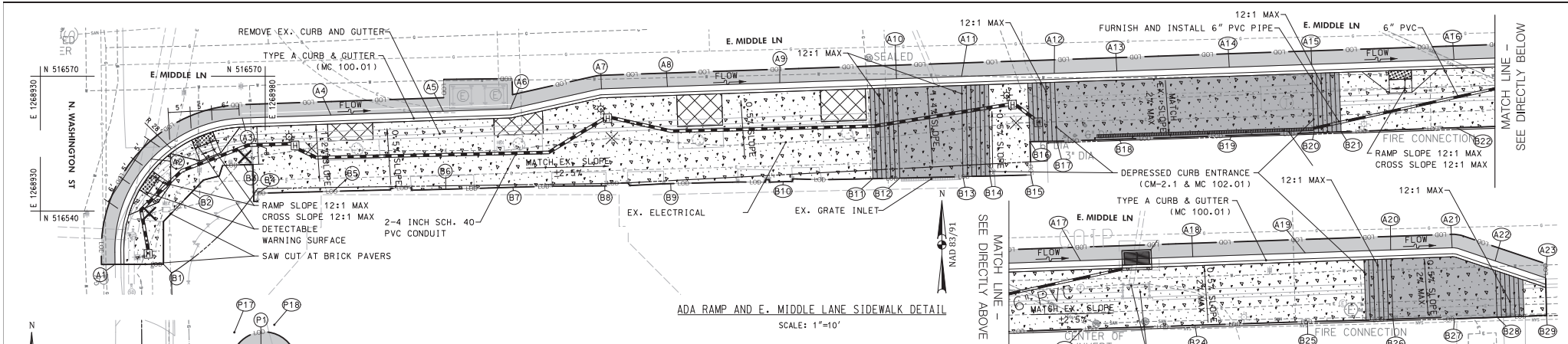
PROFESSIONAL CERTIFICATION:
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No. 39917.
Expiration Date:
January 18, 2023

Seth H. Darlington
sdarlington@wallacemontgomery.com

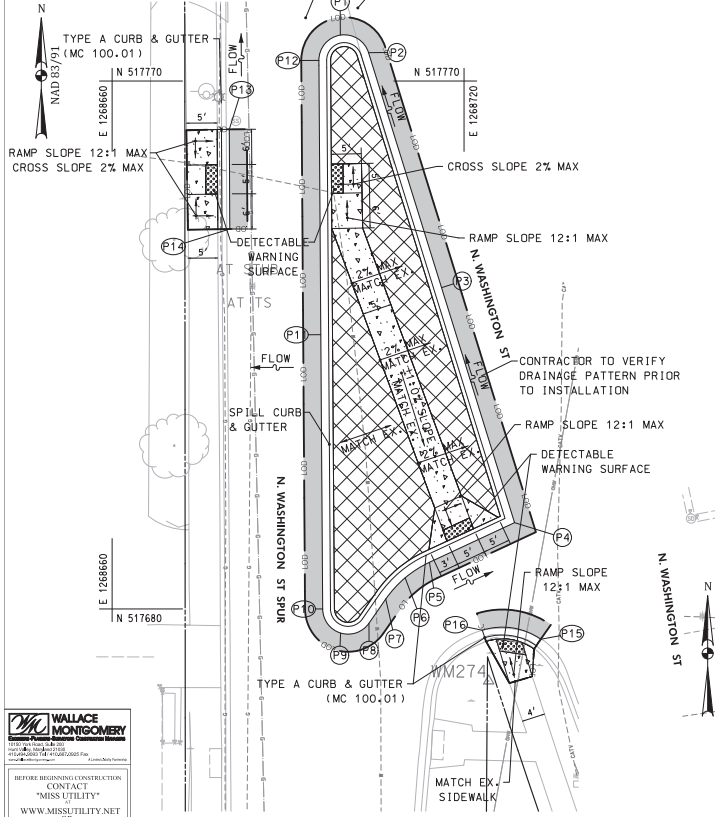


DATE SUBMITTED	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE
APRIL 2022					

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED: _____ DRAFTED: _____ CHECKED: _____	DESIGN PLAN APPROVAL _____ Craig L. Simonsau 2022.04.19 17:31:29-0400' DIRECTOR OF PUBLIC WORKS APPROVAL DATE	AS BUILT PLAN APPROVAL _____ _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE	TITLE SHEET	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	SCALE NOT TO SCALE	SHEET NO. 1 OF 37	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL							
	IFB							



ADA RAMP AND E. MIDDLE LANE SIDEWALK DETAIL
SCALE: 1"=10'



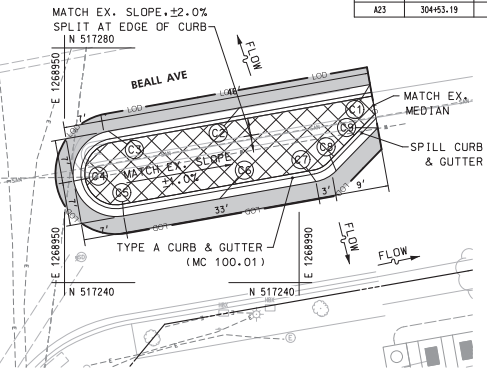
N. WASHINGTON STREET ADA RAMP DETAIL
SCALE: 1"=10'

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	32.8'	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	

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	

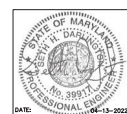


BEALL AVE MEDIAN DETAIL
SCALE: 1"=10'

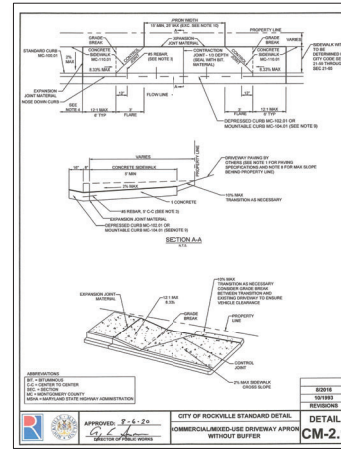
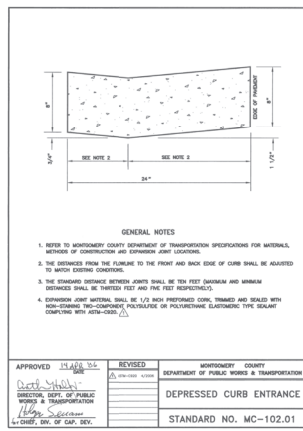
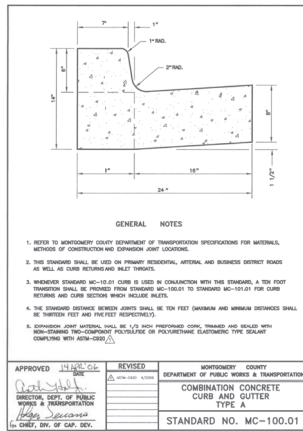
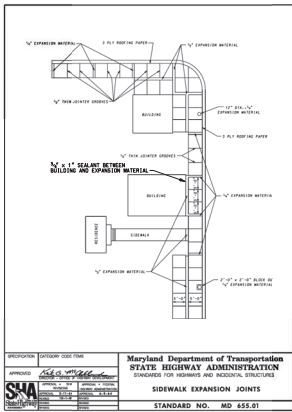
- LEGEND**
- PROPOSED PLAIN CONCRETE SIDEWALK
 - PROPOSED FULL DEPTH RECONSTRUCTION
 - COMMERCIAL/MIXED-USE DRIVEWAY APRON
 - PROPOSED DETECTABLE WARNING SURFACE
 - REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
 - PROPOSED CURB AND GUTTER
 - EXISTING CURB AND GUTTER
 - EXISTING TREE
 - LIMIT OF DISTURBANCE
 - 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
1-800-251-7777
FOR HELP
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. Simonau 2022.04.19 17:31:27-0400 PWD# PM2022-00045 SCP# _____ SMP# _____ REVIEWED BY _____ APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ _____ APPROVAL DATE _____	TYPICAL SECTIONS & DETAILS NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DESCRIPTION OF REVISION P.E. INITIAL DATE DPM DATE	SCALE: 1"=10' SHEET NO. 3 OF 37 FILE # _____
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: APRIL 2022		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: APRIL 2022		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: APRIL 2022	



DEFINITIONS

- SINGLE FAMILY TOWNHOUSE DRIVEWAY APRON (SF-1 AND SF-2) SHALL BE USED FOR ALL PROPERTIES WHERE THE PRINCIPAL USE OF THE LOT IS SINGLE DWELLING UNIT (OTHER THAN DETACHED, SEMI-DETACHED, OR A TOWNHOUSE AS DEFINED IN THE ZONING ORDINANCE).
- COMMERCIAL DRIVEWAY APRON (CA-1 AND CA-2) SHALL BE USED FOR ALL PROPERTIES WHERE THE PRINCIPAL USE OF THE LOT IS ANY USE OTHER THAN A SINGLE DWELLING UNIT, EITHER DETACHED, SEMI-DETACHED, OR A TOWNHOUSE AS DEFINED IN THE ZONING ORDINANCE.

NOTES

- PER CITY CODE SEC. 24.18.064 - PAVING SPECIFICATIONS, ALL OFF STREET PARKING AND LOADING AREAS MUST BE SO DRAINED AS TO PREVENT DAMAGE TO ADJACENT PROPERTIES OR PUBLIC STREETS AND MUST BE PAVED WITH A MINIMUM OF 4\"/>

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

NOTES:

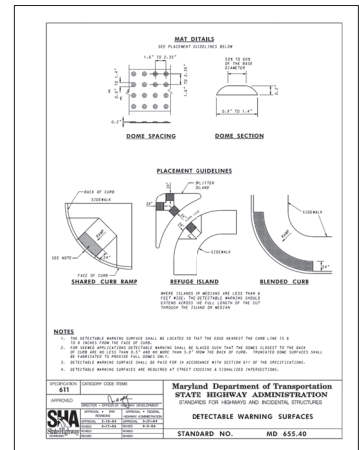
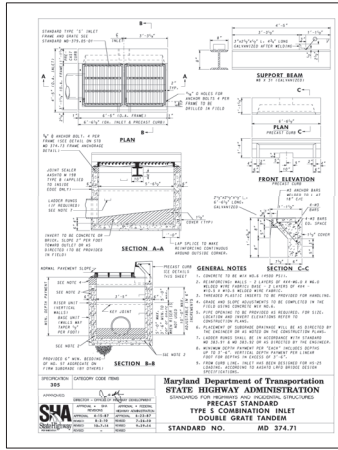
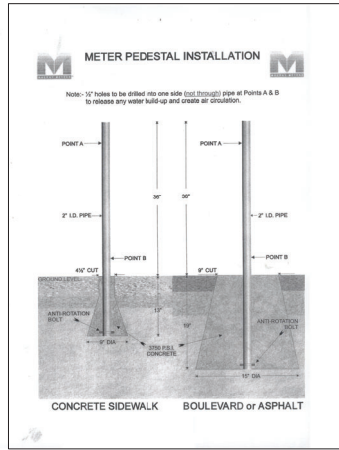
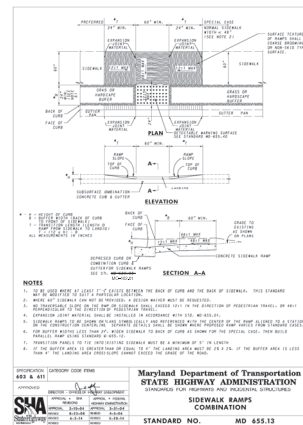
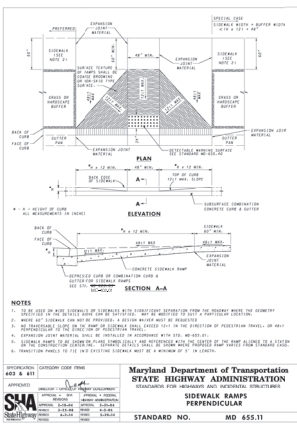
- EXPANSION MATERIAL SHALL BE APPLIED TO ANY ADJUSTED MANHOLES, STREET LIGHT POLES, SIGNAL POLES, HAND BOXES AND PIPES.

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

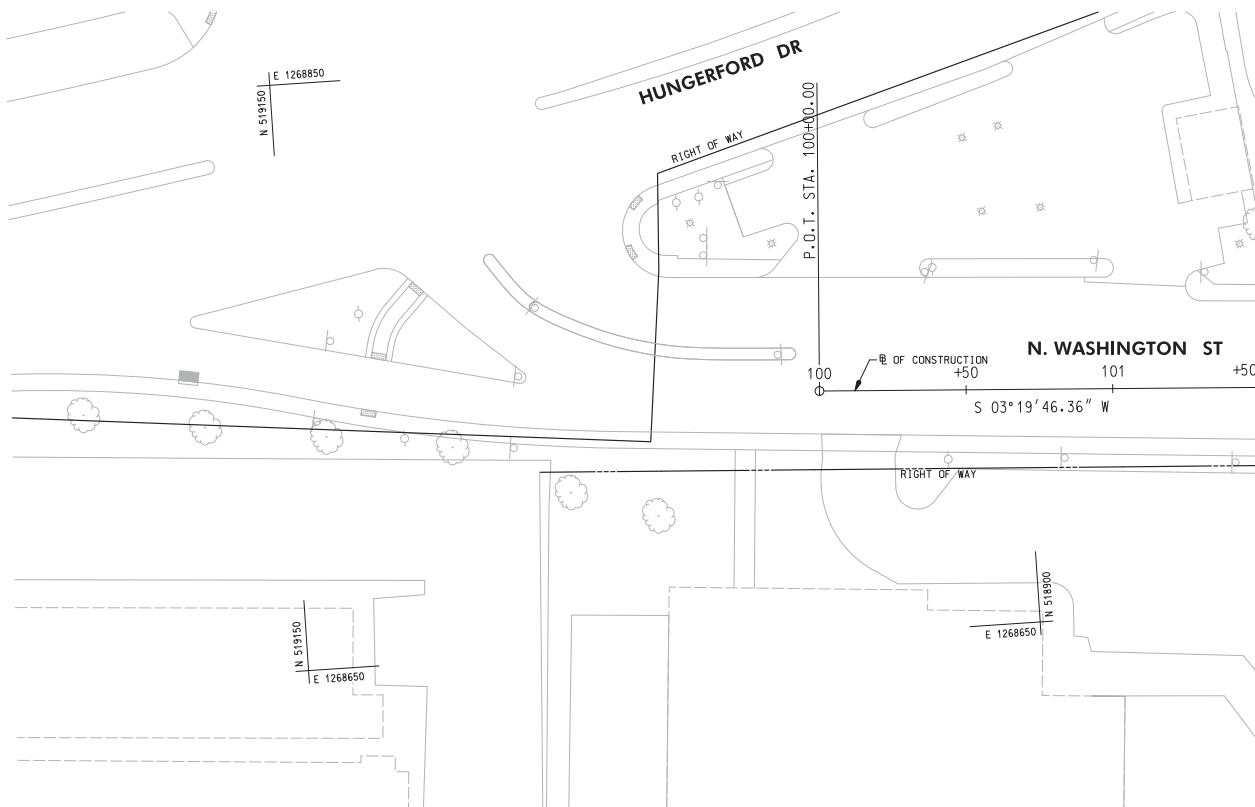
WALLACE MONTGOMERY
CONSULTANTS
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" OR WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

<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>Craig L. Simonsu 2022.04.19 17:31:28+0000</p> <p>PK#_FPM2022-00045 SCP# _____</p> <p>SMP# _____</p> <p>DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____</p>	<p>AS BUILT PLAN APPROVAL</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> </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	796-346-0396
PEPCO	301-210-0355
VERIZON	301-210-0355
WASHINGTON GAS	301-210-0355

NOTES:

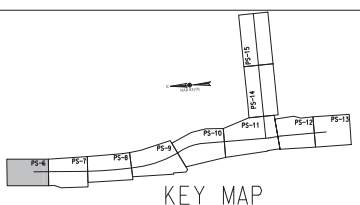
1. CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
2. N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



MATCH LINE 101+50 - SEE SHEET 7

WALLACE MONTGOMERY
1100 North Rockville Road
Rockville, MD 20850
410-251-2000
www.wallacemontgomery.com

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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 P.W.# <u>PM2022-00045</u> SCP# _____ 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 DATE OF REVISIONS AFTER INITIAL PLAN APPROVAL: 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

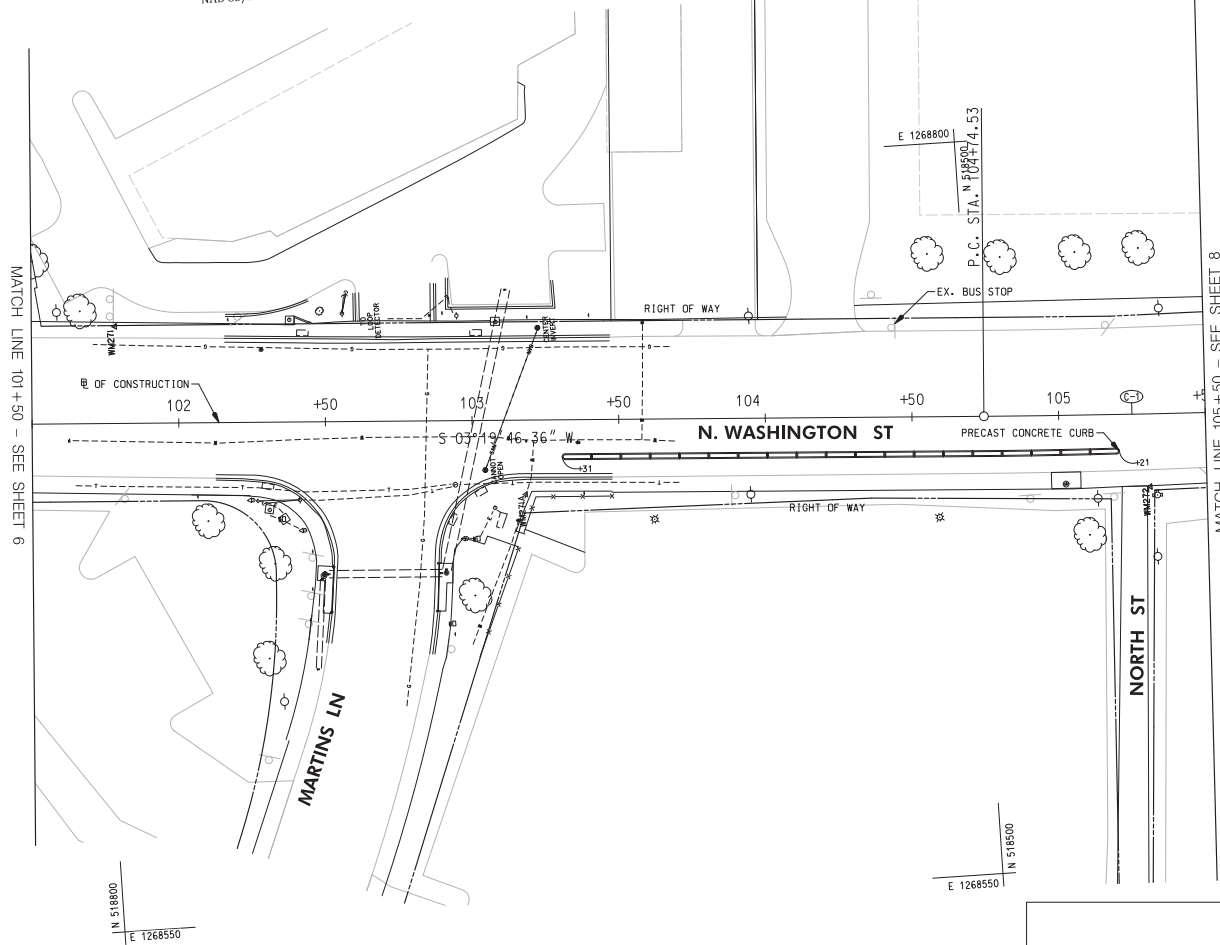
DELTA = 07° 38' 49.6" LT.
Dc = 01° 18' 07.8"
R = 4,400.00'
T = 294.06'
L = 587.26'
CH = 586.82'
E = 9.82'



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

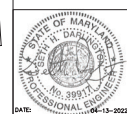
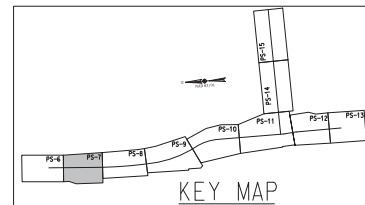
NOTES:

- 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



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<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\424007	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 DATE: 04-13-2022	SCALE: 1"=20' SHEET NO. 7 OF 37	FILE #
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	REVIEWED BY _____ _____ CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE _____	APPROVAL DATE _____	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

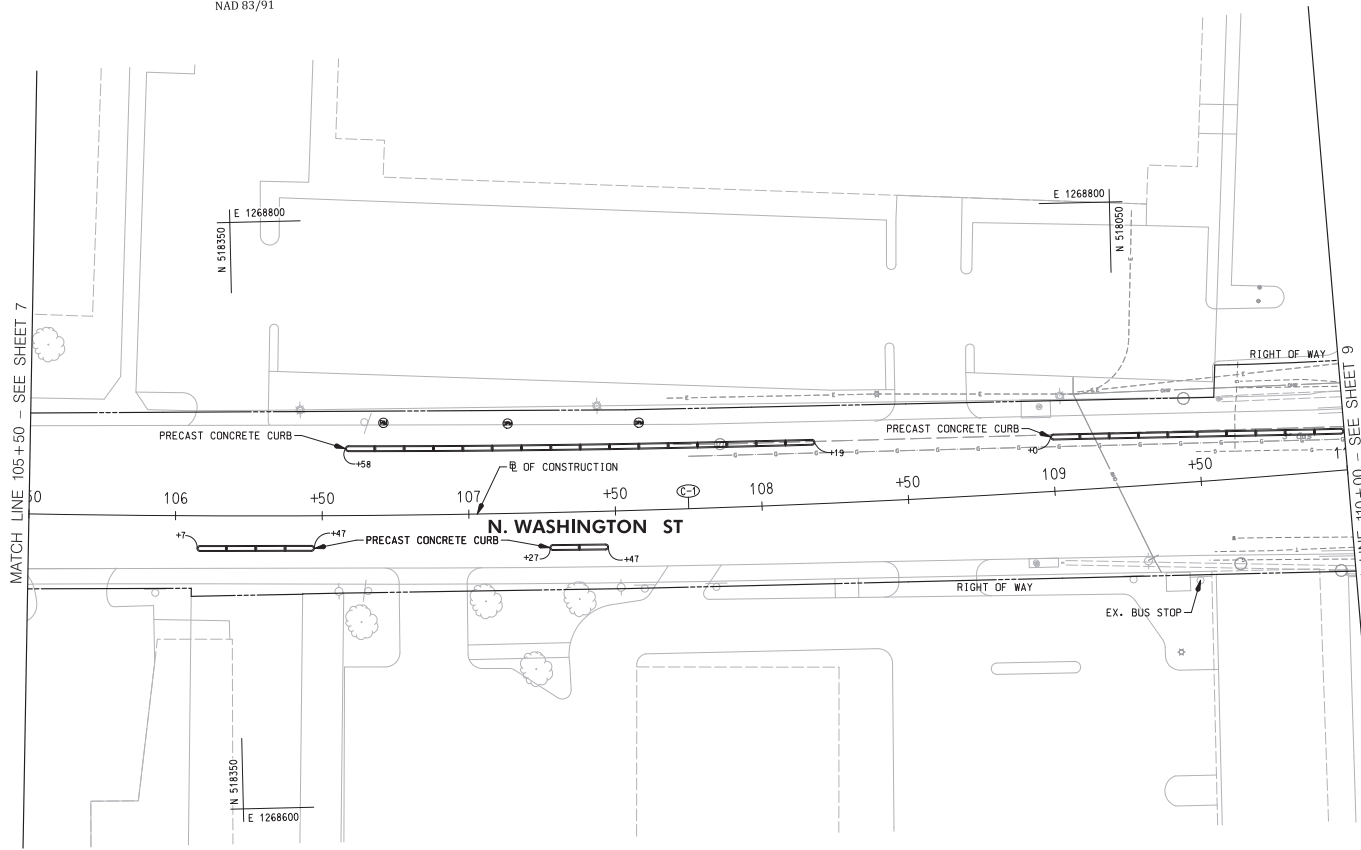
IFB # 10-22
SECTION VII

(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

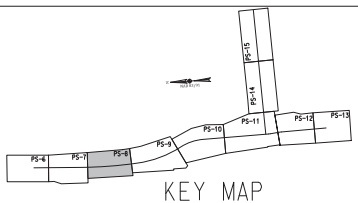
NOTES:

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- N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



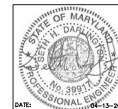
LEGEND

	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



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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 _____ 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. 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 # 10-22
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

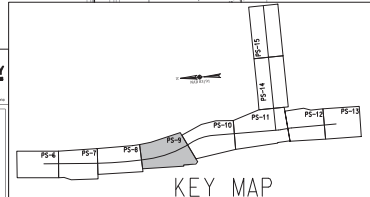
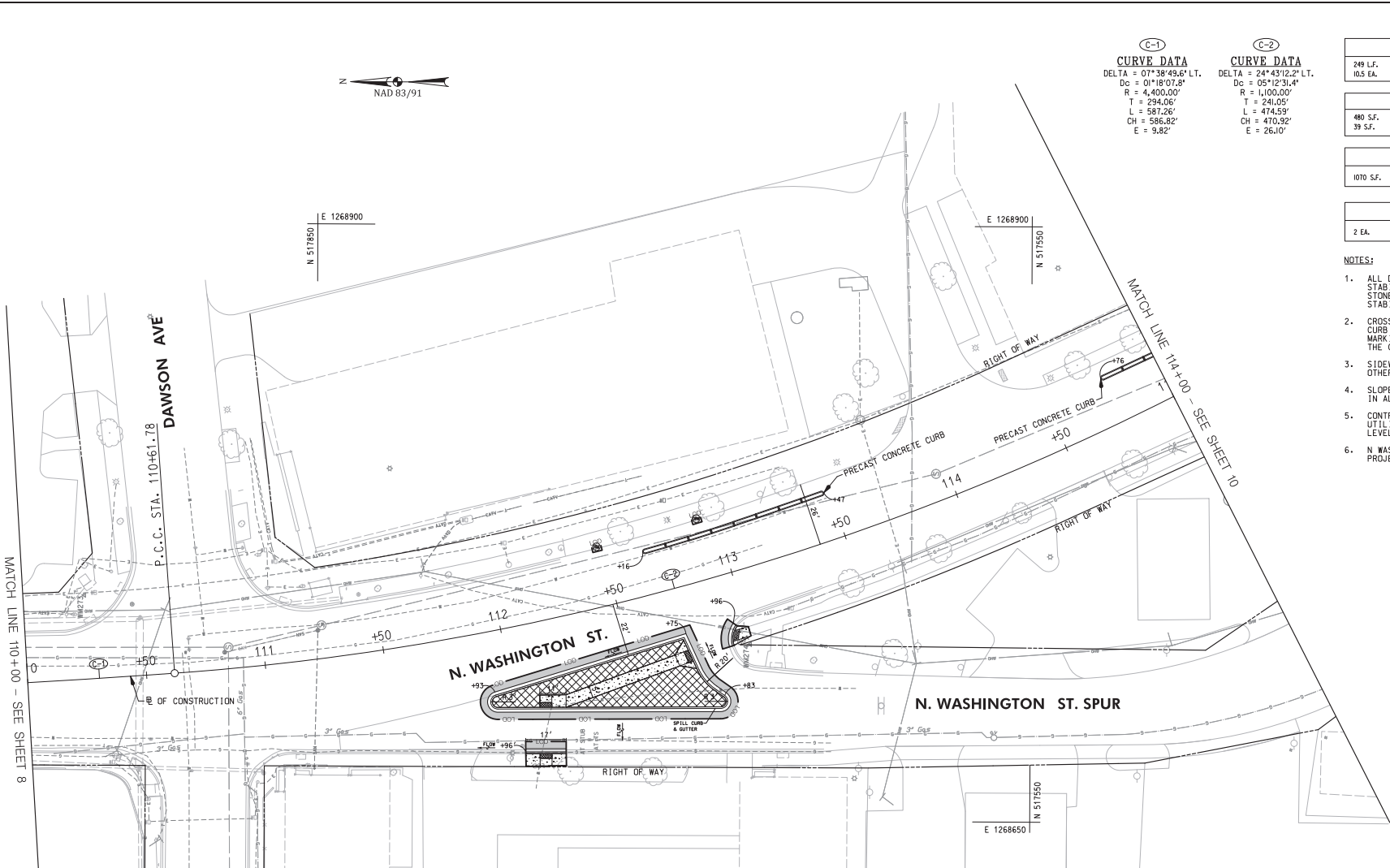
PAVEMENT REMOVAL	
1070 S.F.	REMOVAL OF EXISTING PAVEMENT - SEE LANDSCAPING SHEETS

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. WASHINGTON BLVD.
ROCKVILLE, MD 20854
TEL: 301-981-9300
WWW.WALLACEMONTGOMERY.COM

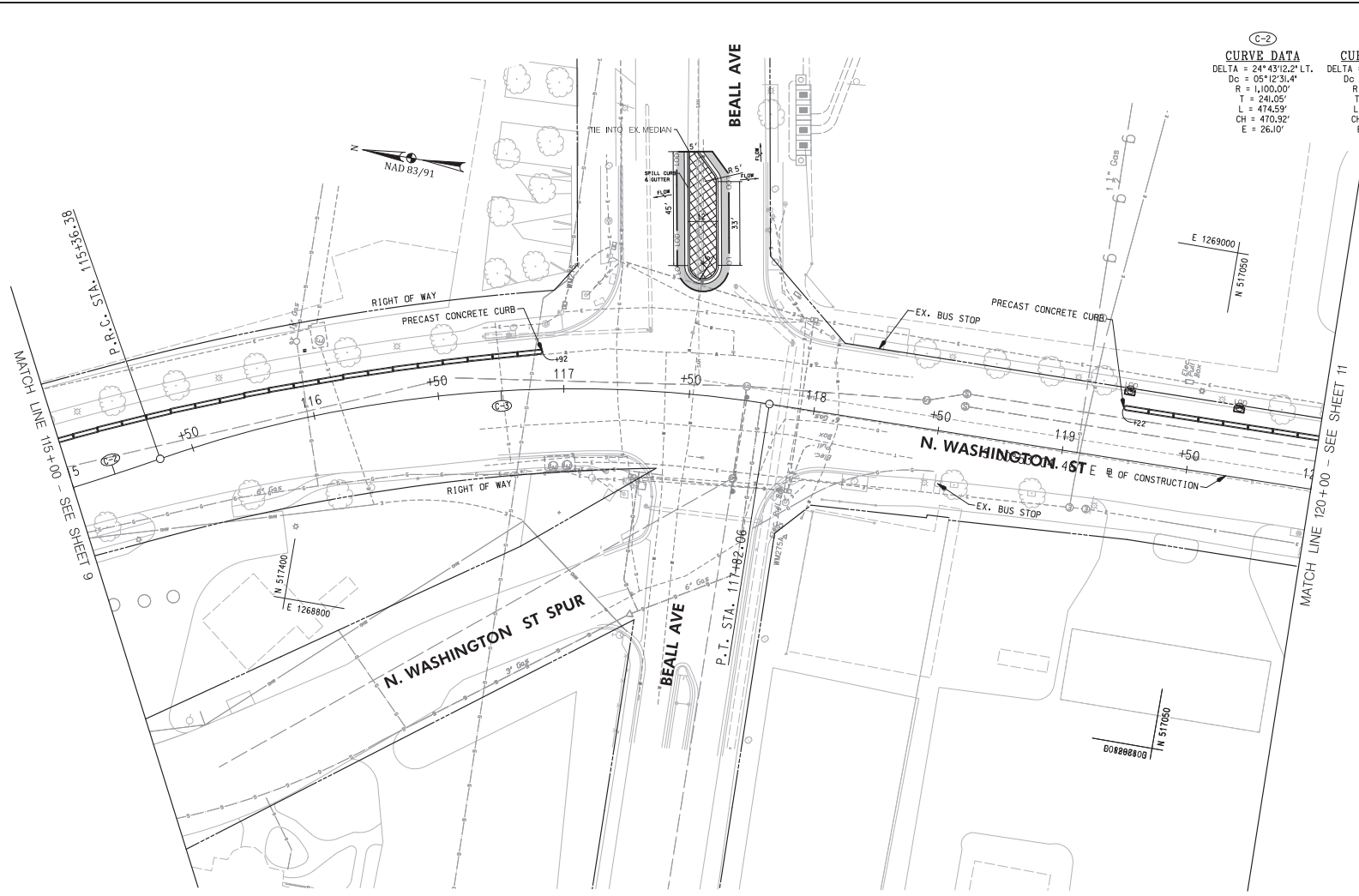
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DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL _____ Craig L. Simons 2022.04.19 17:31:33-04107 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. 9 OF 37	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL							

IFB # 10-22
SECTION VII

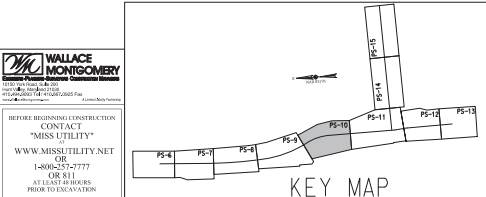


PAVEMENT REMOVAL	
487 S.F.	REMOVAL OF EXISTING PAVEMENT - SEE LANDSCAPING SHEETS
CONCRETE CURB AND GUTTER	
112 L.F.	FURNISH AND INSTALL TYPE '1' CURB & GUTTER (MC-100.0)
27 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB
SITE	
2 EA.	FURNISH AND INSTALL PARKING METER
SIDEWALK	
2 S.F.	FURNISH AND INSTALL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

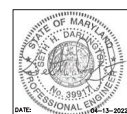
LEGEND

- 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
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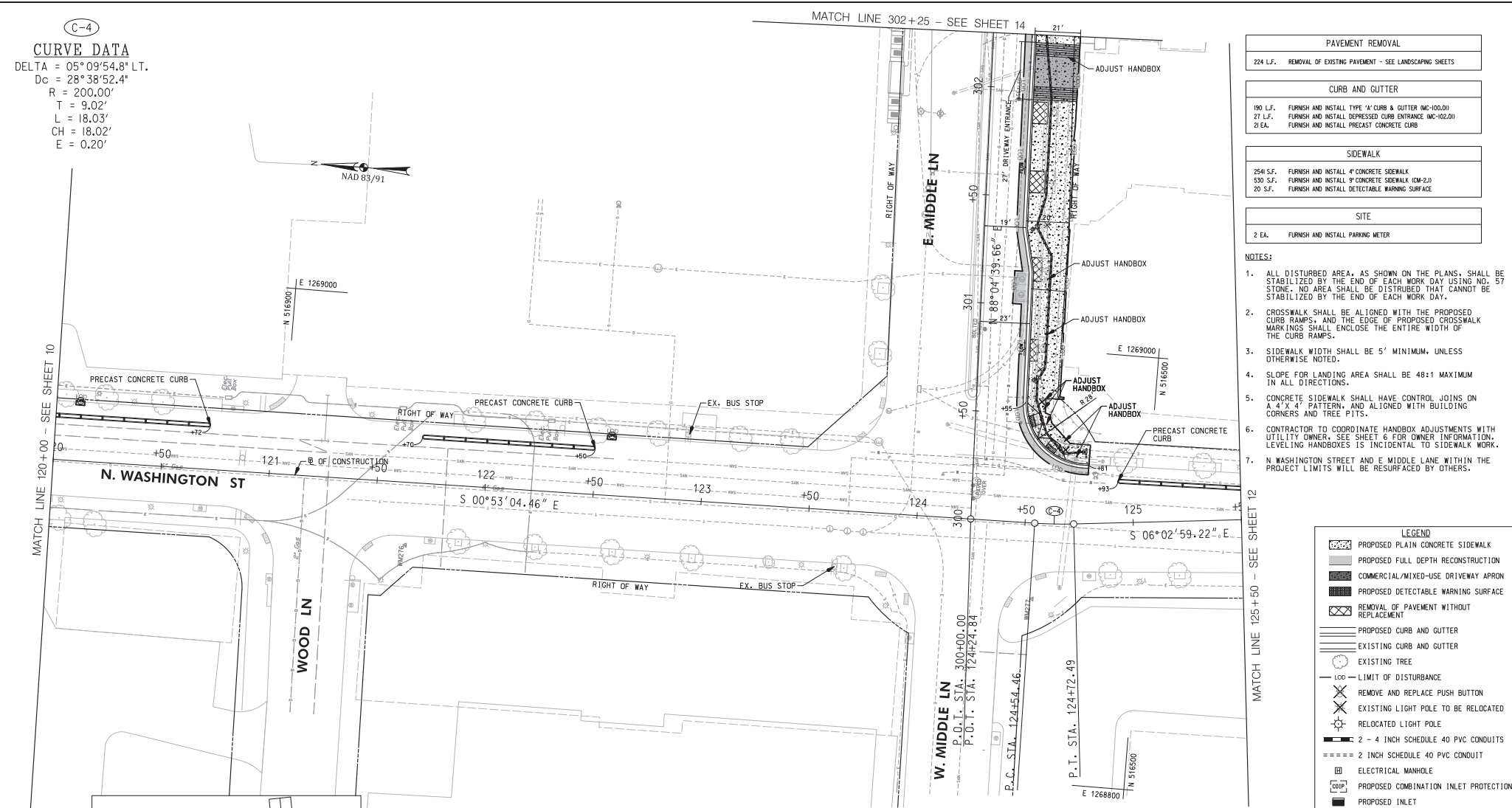
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<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL _____ Craig L. Simoneau 2022.04.19 17:31:54-0400'	AS BUILT PLAN APPROVAL _____	STORM DRAIN AND 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. 10 OF 37	FILE #
	DIRECTOR OF PUBLIC WORKS	APPROVAL DATE	REVIEWED BY	CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

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	
2548 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

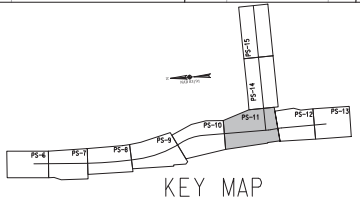
- NOTES:**
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 - CROSSWALK SHALL BE ALIGNED WITH THE PROPOSED CURB RAMP, AND THE EDGE OF PROPOSED CROSSWALK MARKINGS SHALL ENCLOSE THE ENTIRE WIDTH OF THE CURB RAMP.
 - SIDEWALK WIDTH SHALL BE 5' MINIMUM, UNLESS OTHERWISE NOTED.
 - SLOPE FOR LANDING AREA 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 W. BROADWAY, SUITE 200
 ROCKVILLE, MARYLAND 20850
 (301) 581-1100
 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 CONSTRUCTION

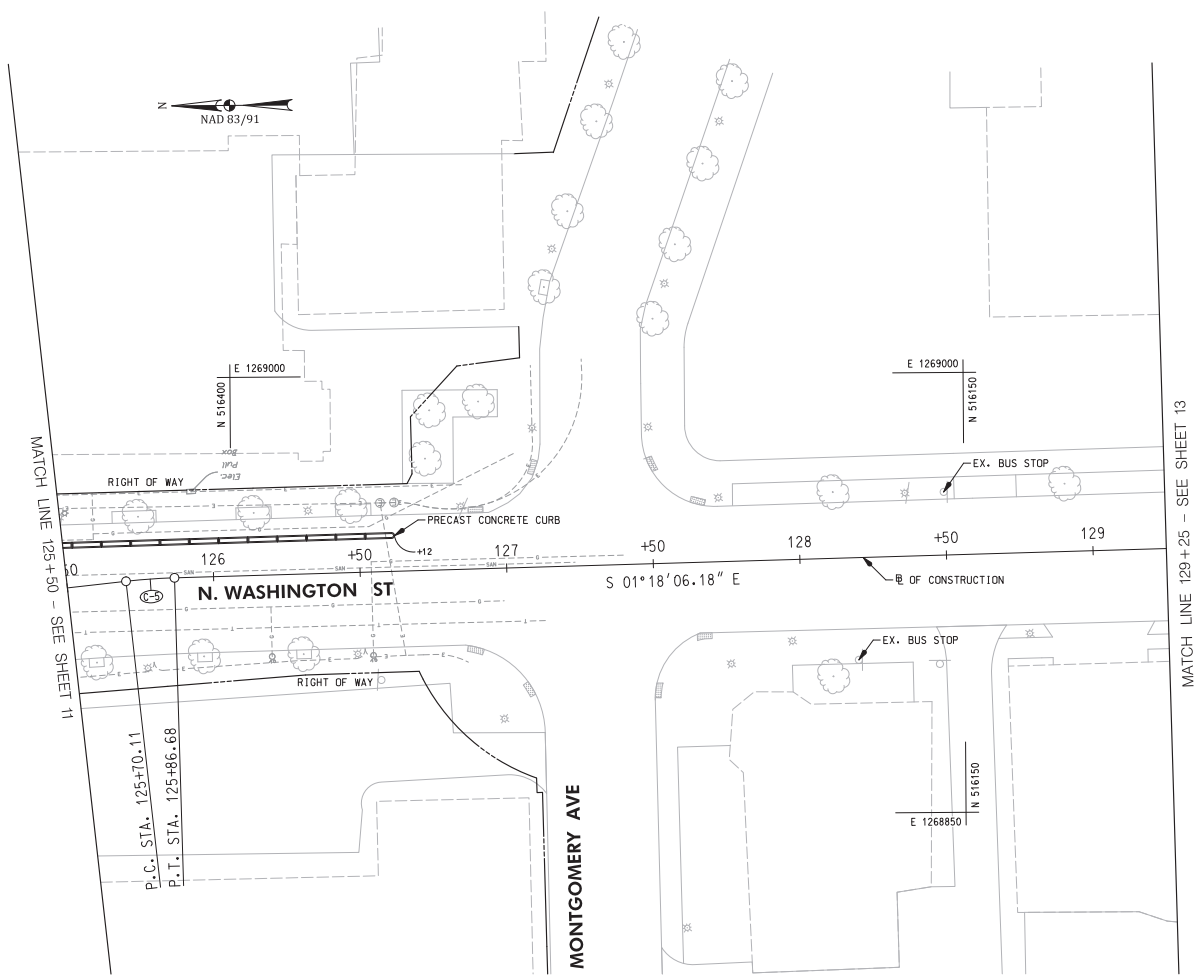


<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:35-04'00"	AS BUILT PLAN APPROVAL _____ _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL _____ _____	NORTH 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 # _____
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	PINK# FBM2022-00045 SCP# _____ REVIEWED BY _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	STORM DRAIN AND PAVING PLAN	APPROVAL OF REVISIONS DESCRIPTION OF REVISION P.E. INITIAL DATE DFW DATE	IFB	DATE: 04-13-2022

(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'

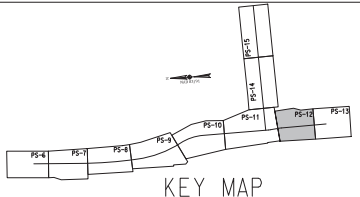
CURB AND GUTTER	
16.5 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

- NOTES:
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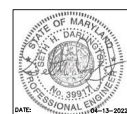
LEGEND

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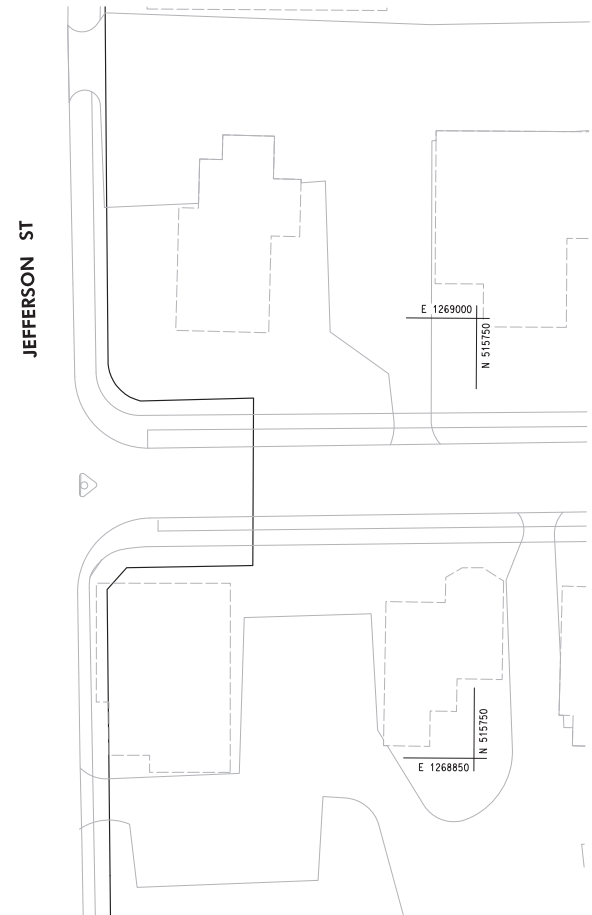
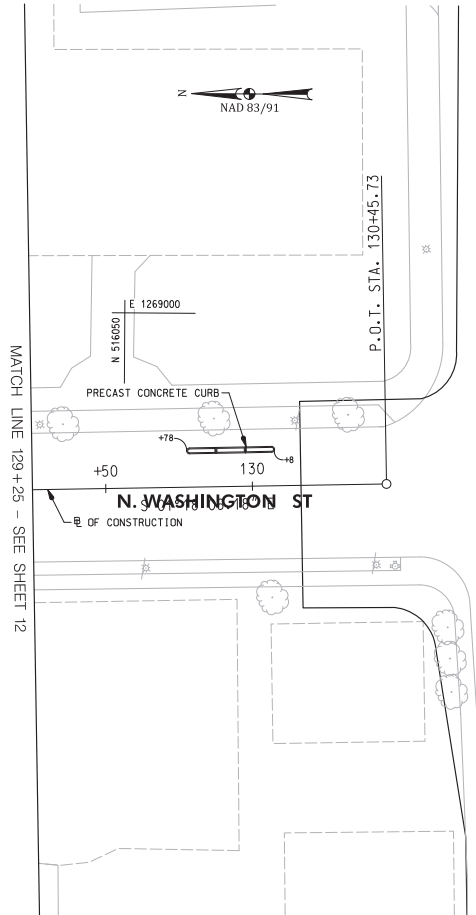
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

<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 17:31:36-04:00'	P#K# _____ F#M#2022-00045 SCP# _____ SMP# _____ REVIEWED BY: _____	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 DATE: IFB	SCALE: 1"=20' SHEET NO. 12 OF 37	FILE #
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL DATE: _____		APPROVAL DATE: _____		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		DATE: _____

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

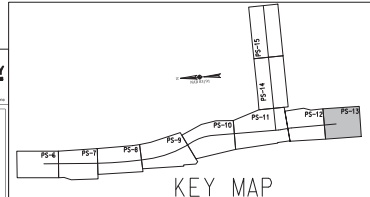
NOTES:

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7. N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.



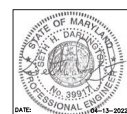
LEGEND

	PROPOSED PLAIN CONCRETE SIDEWALK
	PROPOSED FULL DEPTH RECONSTRUCTION
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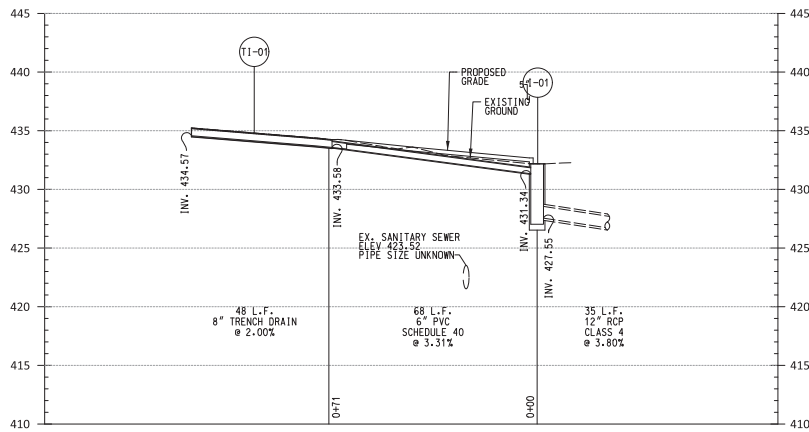
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 24 HOURS PRIOR TO CONSTRUCTION



 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED: _____ DRAFTED: _____ CHECKED: _____	DESIGN PLAN APPROVAL _____ Craig L. 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 <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																																														SCALE: 1"=20' SHEET NO. 13 OF 37 FILE #
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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



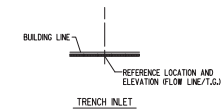
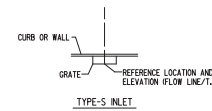
TRENCH DRAIN TO I-01
SCALE: HOR. 1"=20'
VERT. 1"=5'

STRUCTURE SCHEDULE									
PLAN SHEET	NUMBER	STATION	OFFSET	TYPE	ELEVATION		STANDARD	VERTICAL DEPTH	COMMENTS
					TOP	INVERT			
PS-14	TI-01	E MIDDLE LN 302+69.11	31.8' RT.	DUCTILE IRON TRENCH DRAIN GRATE BY SWIFTDRAIN	434.76	433.58	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.

PIPE SCHEDULE						
PLAN SHEET	STR 1	STR 2	SIZE	TYPE	LENGTH	
PS-14	TI-01	I-01	6"	PVC SCHEDULE 40	68'	



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<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED: _____ DRAFTED: _____ CHECKED: _____	DESIGN PLAN APPROVAL Craig L. Simonseau 2022.04.19 17:21:39:04:00	AS BUILT PLAN APPROVAL _____ _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: APRIL 2022 SCALE: N.T.S. SHEET NO. 16 OF 37	DRAINAGE PROFILE NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	FILE #
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE	PK# 2022-00045 SCP# _____ REVIEWED BY: _____ _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE	DATE: 04-13-2022	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	DATE: _____	CITY OF ROCKVILLE

TEMPORARY TRAFFIC CONTROL REQUIREMENTS

- ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE LATEST MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTOCD), STATE HIGHWAY ADMINISTRATION'S STANDARDS, SPECIFICATIONS AND GUIDELINES.
- THE CONTRACTOR SHALL NOTIFY UPCOMING CONSTRUCTION TO THE CITY'S COMMUNITY ENGAGEMENT COORDINATOR (TEL: 240-314-6344); CITY POLICE (240-314-6902); 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 (MMATA 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 MOOT 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 P#6ROCKVILLE.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.

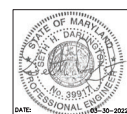
CONSTRUCTION ACTIVITIES INCLUDE THE FOLLOWING:

- 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):

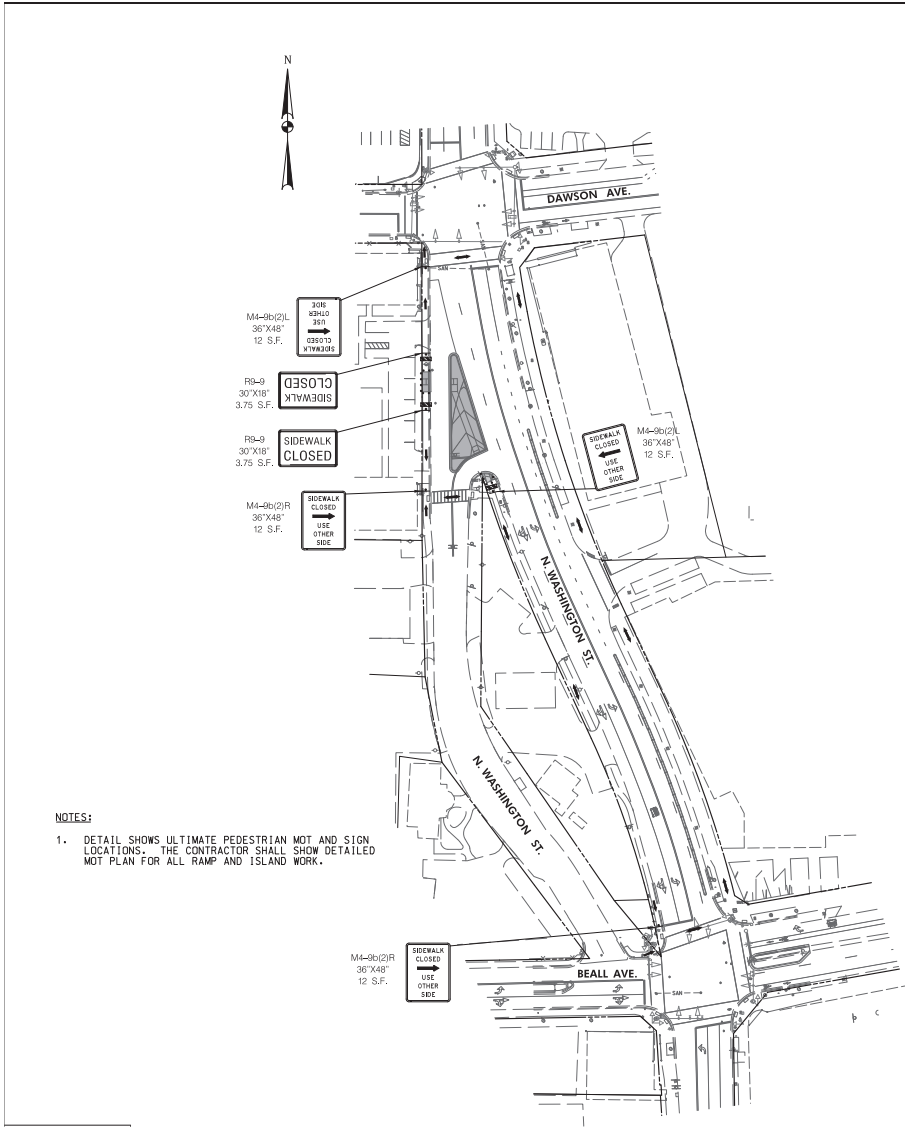
PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD LEFT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-04, PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-06 OR PART-TIME STANDARD SHOULDER WORK IN ACCORDANCE WITH STANDARD NO. MD 104.03-02 AS NEEDED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

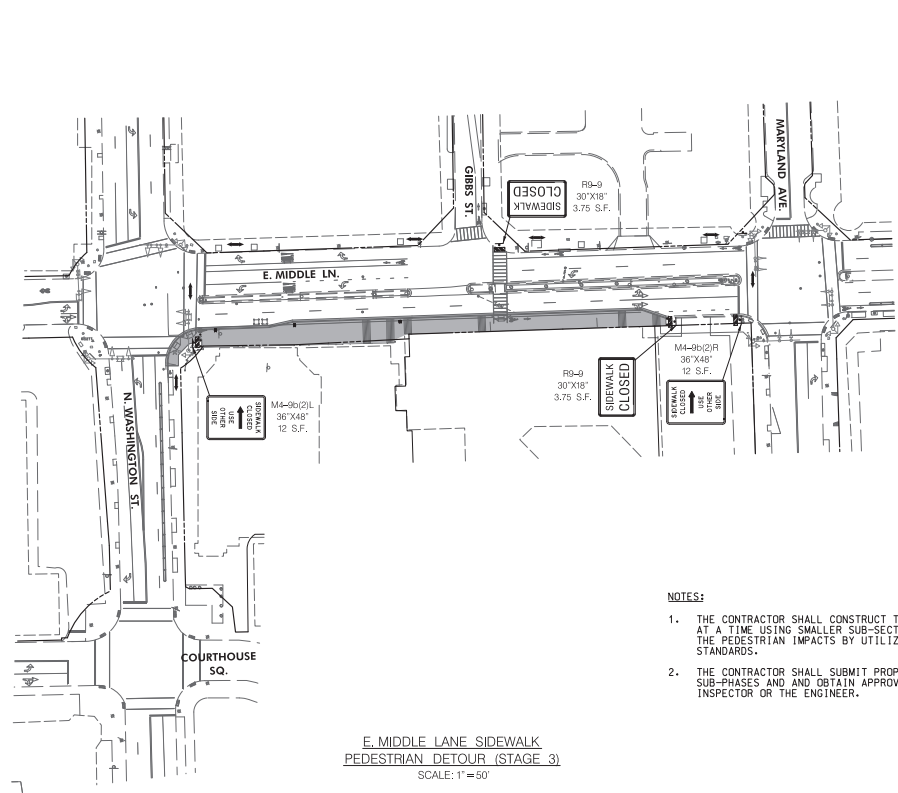


DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

<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"	AS BUILT PLAN APPROVAL _____ _____ _____	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	SCALE _____	SHEET NO. 17 OF 37	FILE # _____
	DIRECTOR OF PUBLIC WORKS	APPROVAL DATE	CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE: 03-30-2022	IFB	_____	_____	_____



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



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

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
CONSULTANTS
1100 N. GREENSBORO RD.
ROCKVILLE, MD 20850
TEL: 301-981-1000
WWW.WMCONSULTANTS.COM

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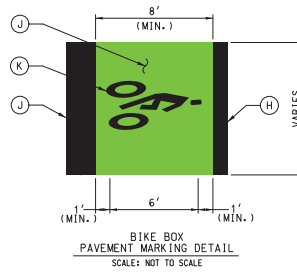
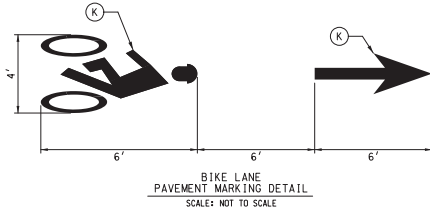
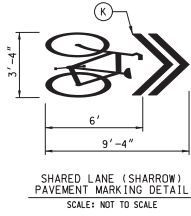
MOT LEGEND

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



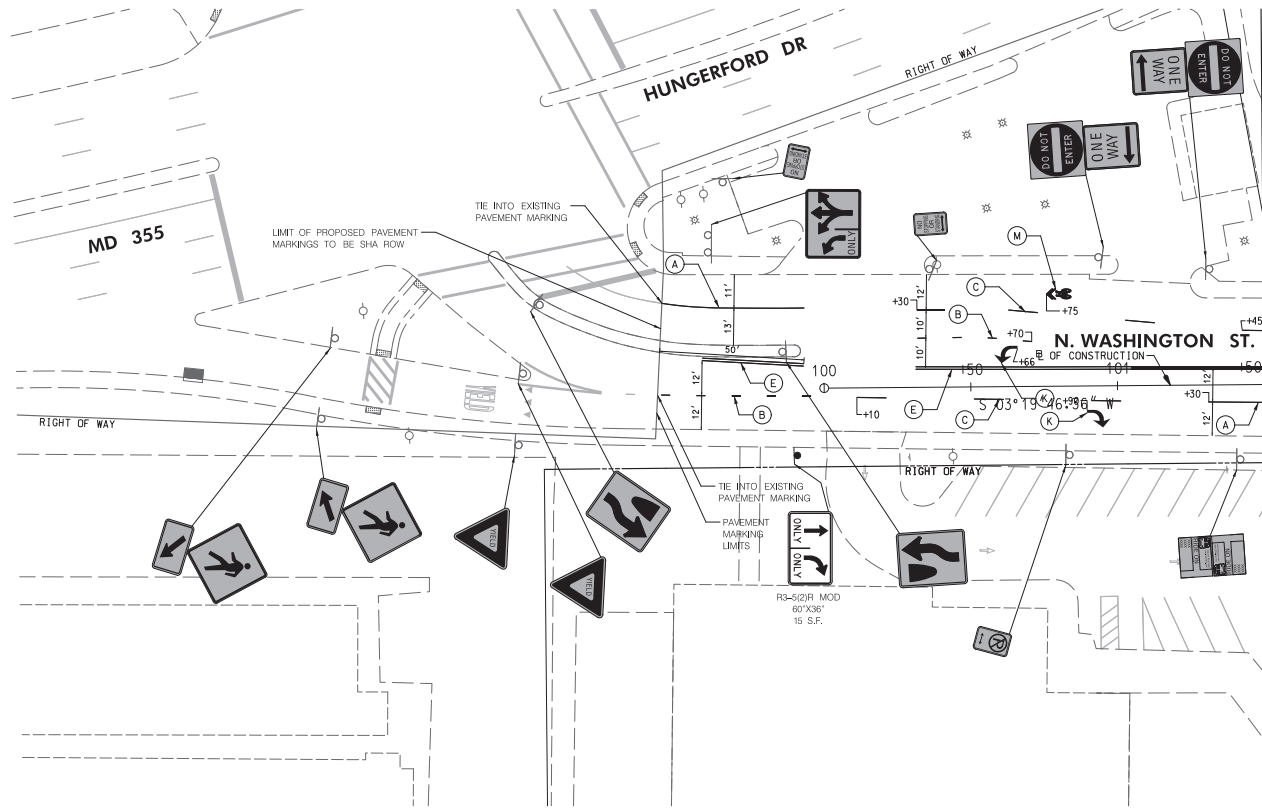
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____	DESIGN PLAN APPROVAL	AS BUILT PLAN APPROVAL	PEDESTRIAN DETOUR	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022	SCALE 1"=50'	SHEET NO. <u>18</u>	FILE #
	DRAFTED _____ CHECKED _____	Craig L. Simoneau 2022.04.19 17:31:41+04'00' DIRECTOR OF PUBLIC WORKS	PPK# <u>PM2022-00045</u> SCP# _____ SMP# _____ REVIEWED BY _____ APPROVAL DATE _____	_____ CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL IFB	OF 37	OF 37	OF 37



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 (SPACED 10' AT 45°)
	5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
	12' SOLID WHITE HEAT APPLIED PERMANENT PERFORMED PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	24' SOLID WHITE HEAT APPLIED PERMANENT PERFORMED PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)
	WHITE HEAT APPLIED PERMANENT 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
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ROCKVILLE, MD 20854
TEL: 301-581-1000
WWW.WMCONSULTANTS.COM

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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
APPROVED:
Craig L. Simoneau
2022.04.19
17:31:42+04'00'

AS BUILT PLAN APPROVAL
APPROVED: _____
CHEF, CONSTRUCTION MANAGEMENT

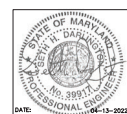
SIGNING AND PAVEMENT MARKING PLAN

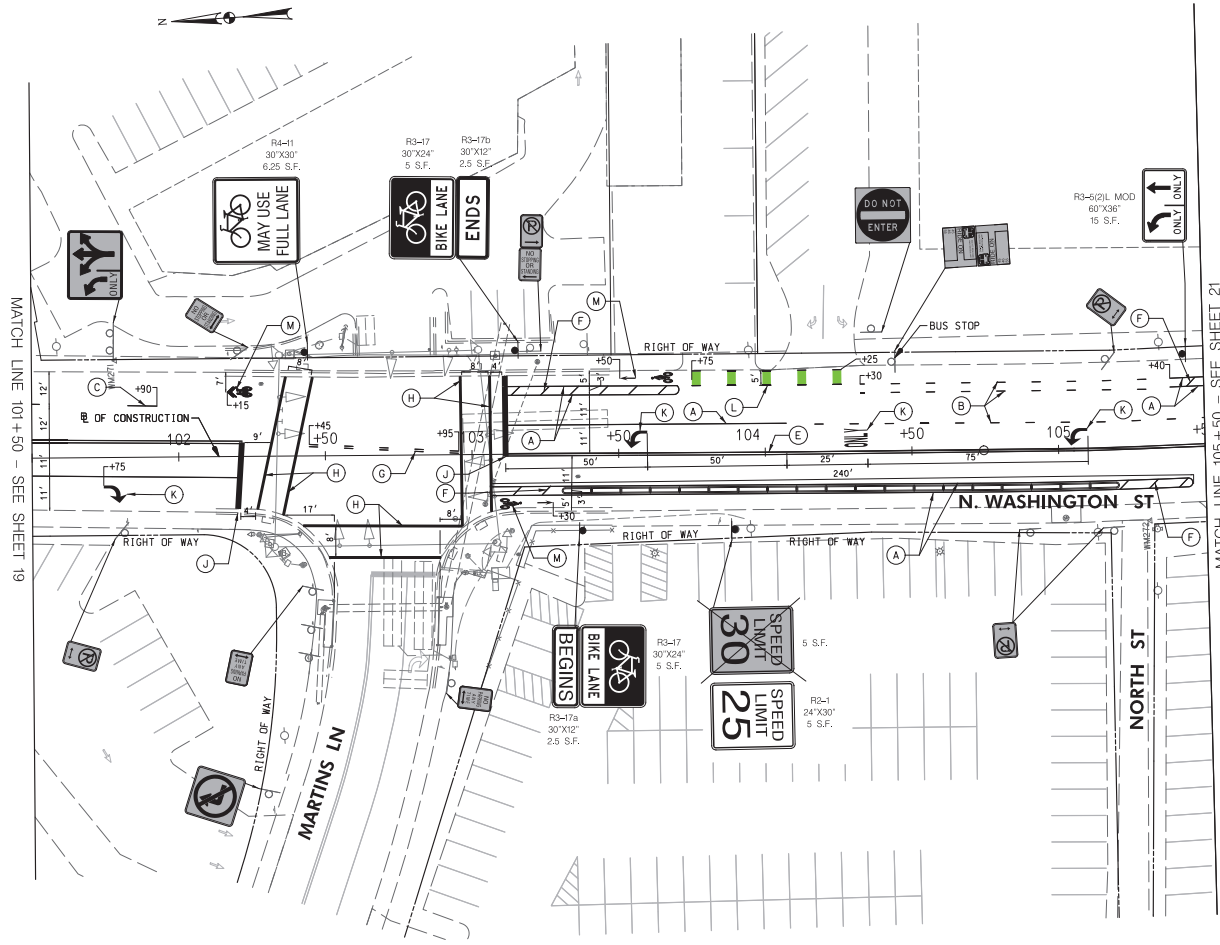
NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT
Election District No. 2 City of Rockville, Maryland

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

DATE SUBMITTED	P.E. INITIAL	DATE	DPW	DATE
APRIL 2022	IFB			

SCALE: 1"=20'
SHEET NO. 19 OF 37
FILE #

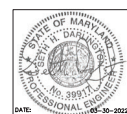




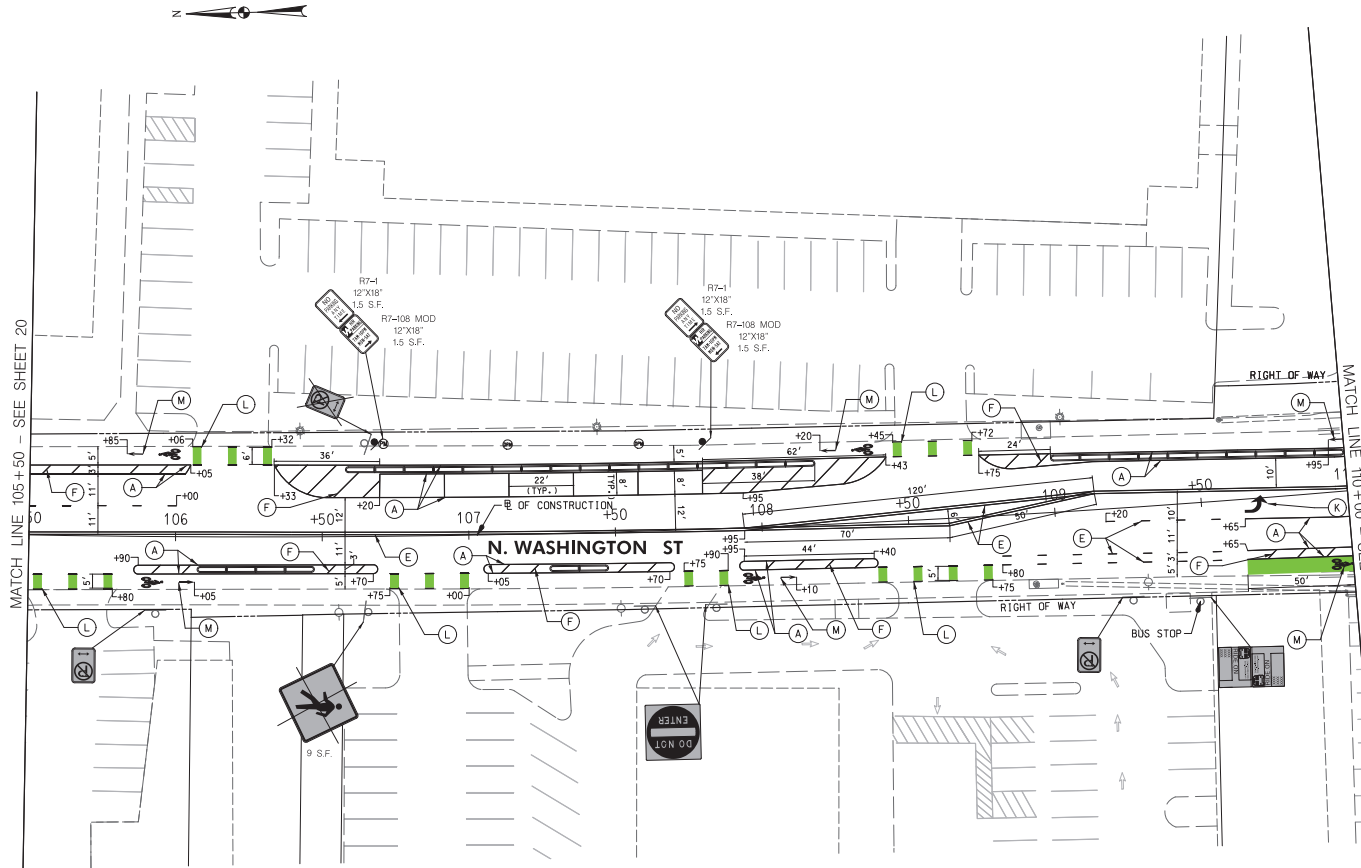
LEGEND	
	PROPOSED SIGN
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	EXISTING SIGN TO BE REMOVED
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	WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING SYMBOLS AND LEGENDS
	BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3' LINE, 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)
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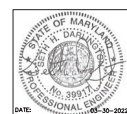
 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED: _____ DRAFTED: _____ CHECKED: _____	DESIGN PLAN APPROVAL Craig L. Simonseau 2022.04.19 17:31:43.04'00"	AS BUILT PLAN APPROVAL _____ _____	SIGNING AND PAVEMENT MARKING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE 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 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																																																			APPROVAL DATE: _____ DIRECTOR OF PUBLIC WORKS	REVIEWED BY: _____ _____ CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE: _____	DATE: 03-30-2022	DATE: _____	DATE: _____
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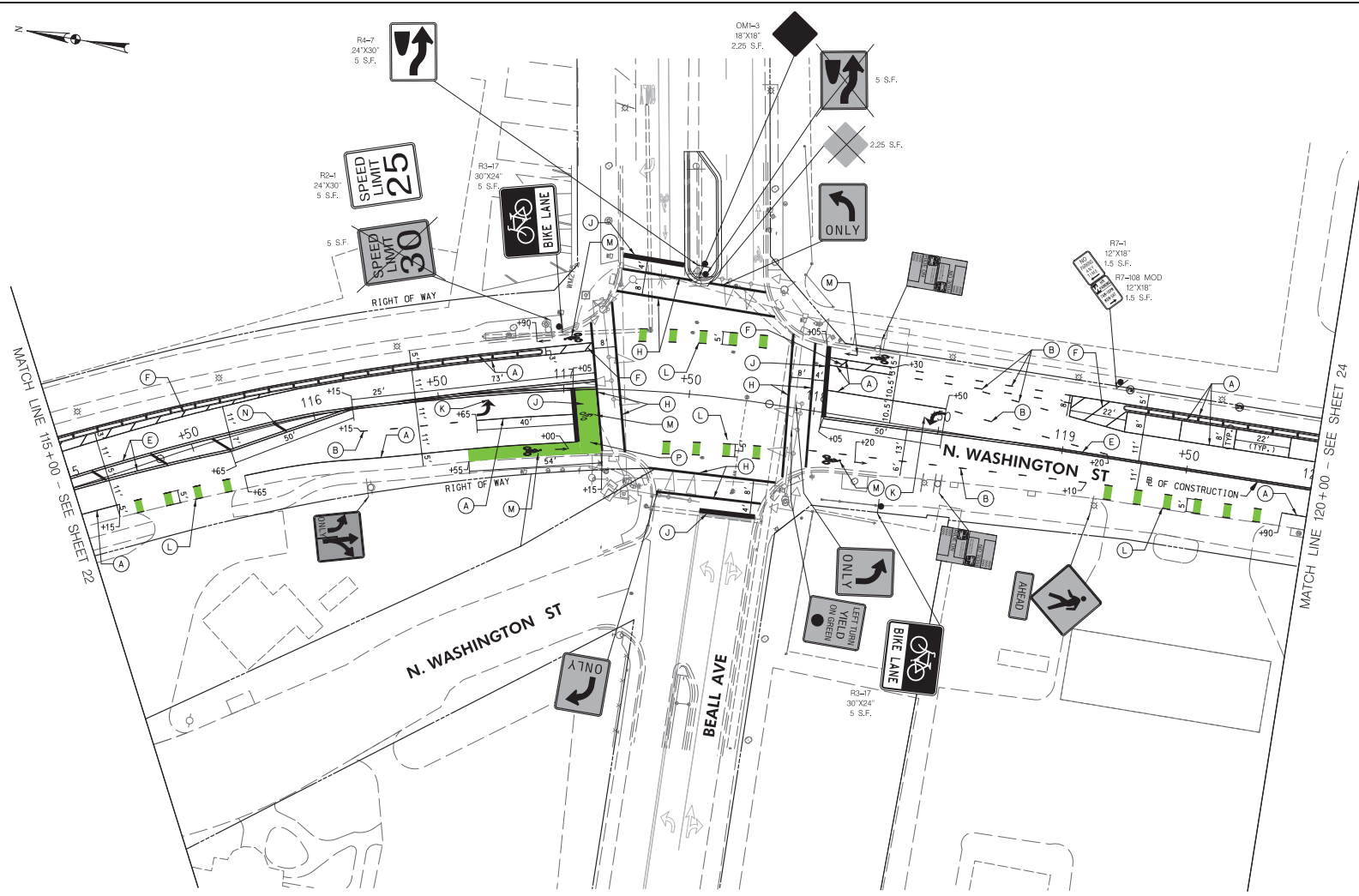
LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
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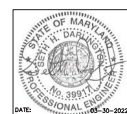
<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:21:44-04'00"	AS BUILT PLAN APPROVAL _____ _____	SIGNING AND PAVEMENT MARKING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 IFB	SCALE: 1"=20' SHEET NO. 21 OF 37	FILE #
	APPROVAL DATE _____ DIRECTOR OF PUBLIC WORKS	PWD#_P2M2022-00045 SCP# _____ SMP# _____ REVIEWED BY _____ APPROVAL DATE _____	CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE _____



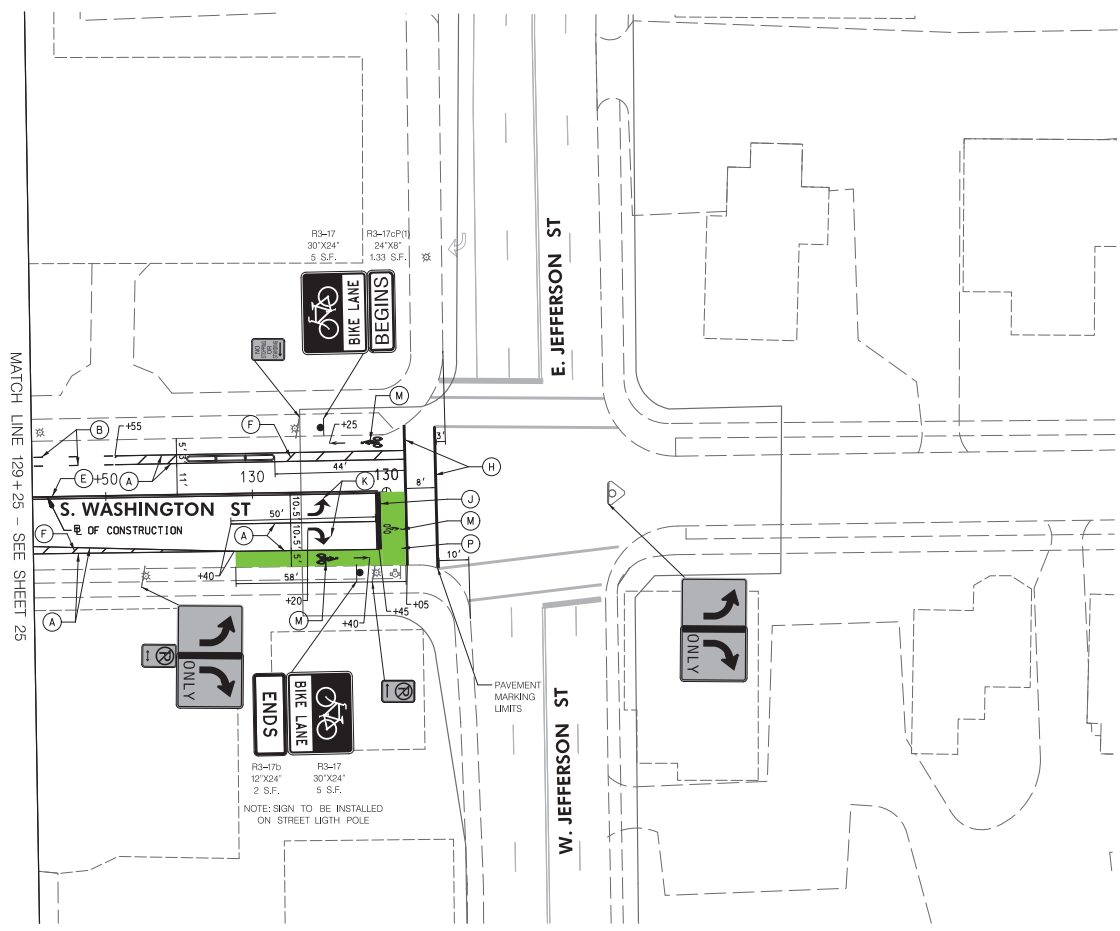
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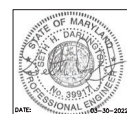
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	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL				APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL			



LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
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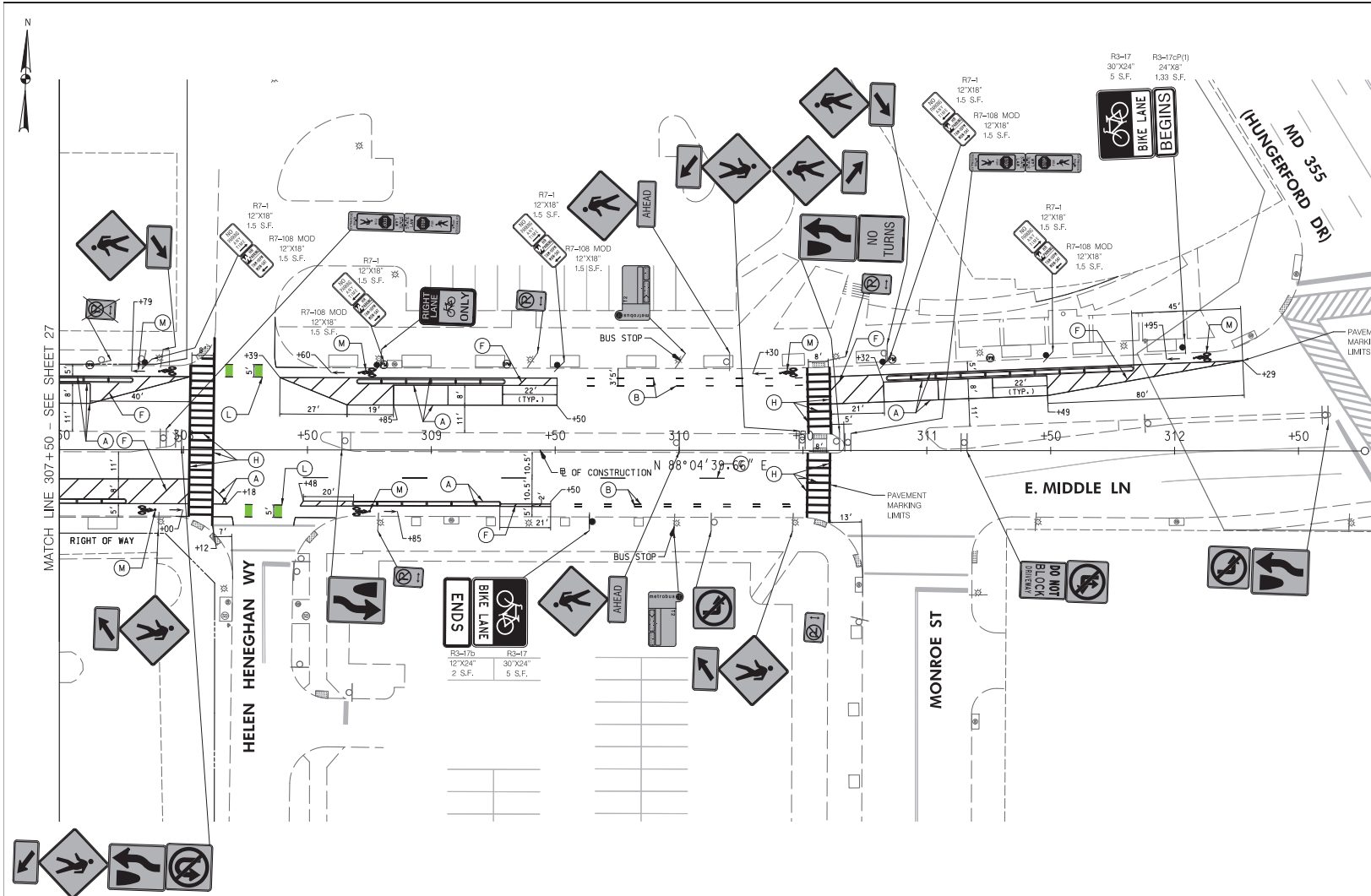
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DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

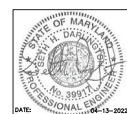
<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED: _____ DRAFTED: _____ CHECKED: _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:49:04:00	AS BUILT PLAN APPROVAL _____ _____	SIGNING AND PAVEMENT MARKING PLAN _____ _____	NORTH WASHINGTON STREET 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. 26 OF 37	FILE # _____
	APPROVAL DATE: _____ DIRECTOR OF PUBLIC WORKS	REVIEWED BY: _____ _____ CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE: _____ _____ APPROVAL	APPROVAL DATE: _____ _____ APPROVAL	APPROVAL DATE: _____ _____ APPROVAL	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE: _____	DATE: _____	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°))

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 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+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: APRIL 2022 DATE: _____	SCALE: 1"=20' SHEET NO. 28 OF 37	FILE # _____																														
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	PWD # _____ 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> </tbody> </table>	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																										
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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

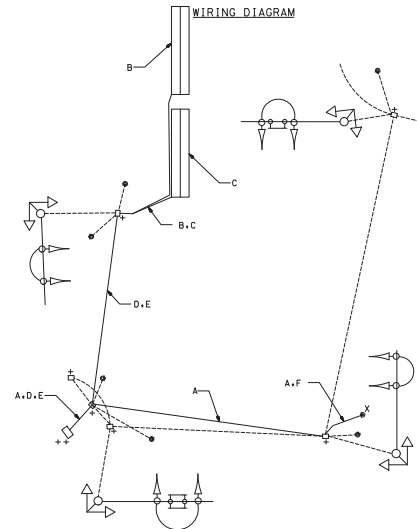
SPEC. NUMBER	DESCRIPTION	QUANTITY
	NONE	

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.)
- +



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<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 DATE: 04-13-2022	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> </tbody> </table>	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																					SCALE SEE ABOVE SHEET NO. 30 OF 37 FILE #
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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 ERECTED 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).

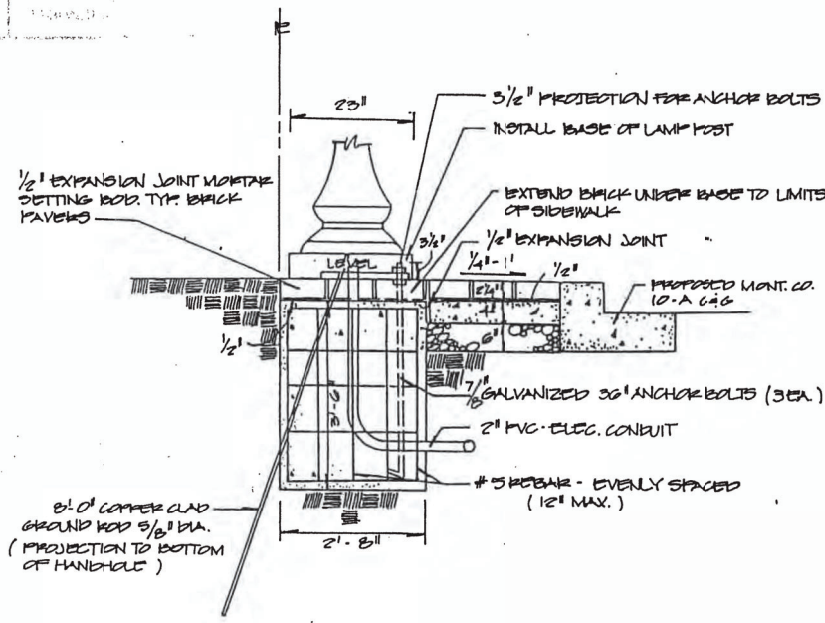
CONTRACTOR FURNISHED EQUIPMENT NOTES:

PEPCO TO PROVIDE ENERGY AND CABLING

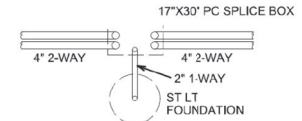
CONTRACTOR SHALL PROVIDE LUMINAIRES (RELOCATED FROM EXISTING), POLES (RELOCATED FROM EXISTING), PHOTOCELLS, FOOTINGS AND CONDUIT

CONTRACTOR TO PROVIDE CONDUIT AS REQUESTED BY PEPCO

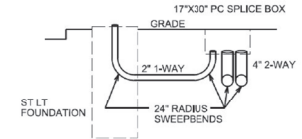
REFER TO CONDUIT CHECKLIST FOR ADDITIONAL INFORMATION.



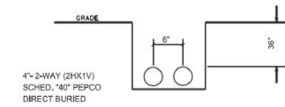
TYPICAL STREET LIGHT FOUNDATION
ROCKVILLE DETAIL 81



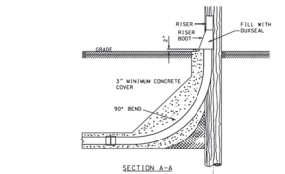
TYPICAL SPLICE BOX - PLAN VIEW
(N.T.S.)



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



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



- NOTES:
1. CONDUIT DEPARTMENT WILL PULL OUT IF RISER IS NOT INSTALLED IMMEDIATELY.
 2. GROUNDING AND SEPARATION REQUIREMENTS SHALL BE PER PEPCO.
 3. SEE PAGE 2 FOR ACCEPTABLE SWEEP BEND INSTALLATION.

WALLACE MONTGOMERY
CONSULTANTS
1100 N. WASHINGTON BLVD.
SUITE 200
ROCKVILLE, MD 20850
TEL: 301-584-0000
WWW.WMCONSULTANTS.COM

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OR
1-800-257-7777
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. Simonescu
2022.04.19
17:31:54+0000

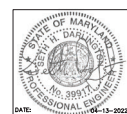
PK# FM2022-00045 SCP# _____
SNP# _____ REVIEWED BY _____
DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____

AS BUILT PLAN APPROVAL

CHEF, 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



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

DATE SUBMITTED:
APRIL 2022

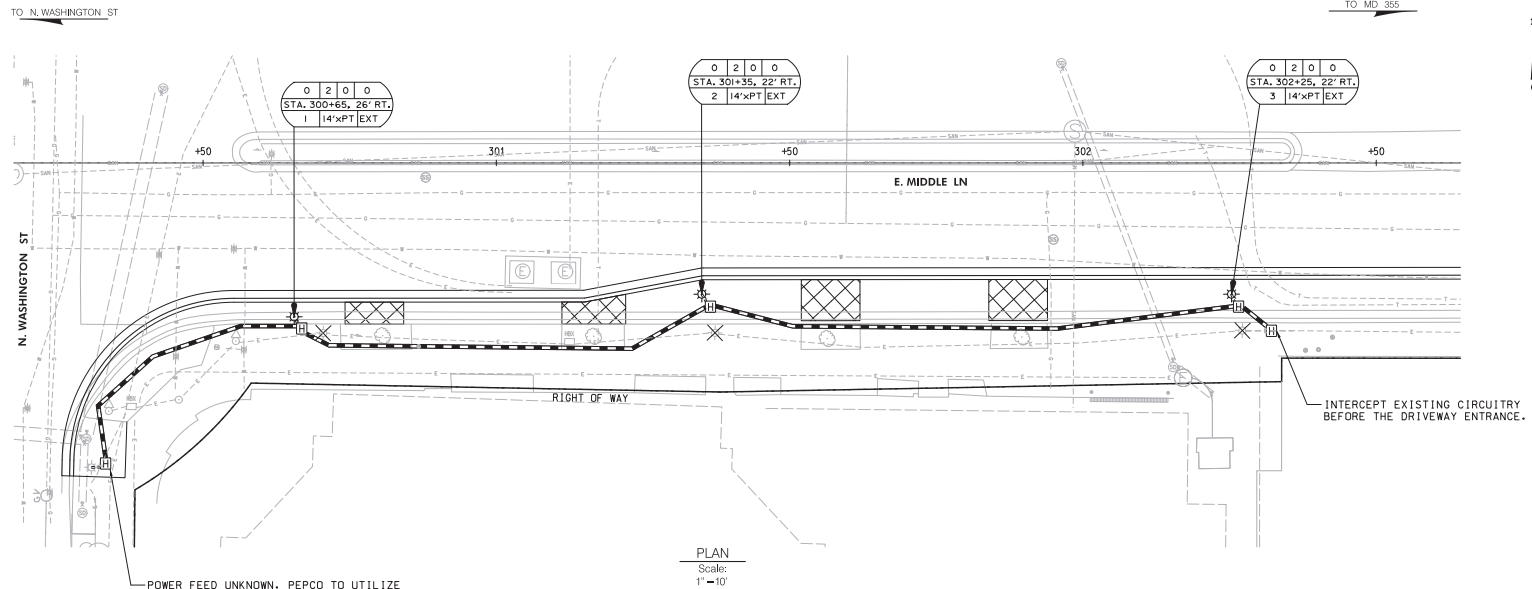
SCALE: NTS

SHEET NO. 31
OF 37

FILE # _____

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'

POWER FEED UNKNOWN. PEPCO TO UTILIZE PROPOSED HAND HOLES AND CONDUIT TO POWER PROPOSED LIGHTING SYSTEM.

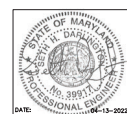
INTERCEPT EXISTING CIRCUITRY BEFORE THE DRIVEWAY ENTRANCE.

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
- LOCATION OF POLE
- CIRCUIT NUMBERS AND PANEL
- POLE HEIGHT AND MAST ARM LENGTH
- POLE OR SIGN IDENTIFICATION NUMBER

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B-4.2. STANDARDS AND SPECIFICATIONS

FOR

SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

Definition

The process of preparing the soils to maintain adequate vegetative stabilization.

Purpose

To provide a suitable soil medium for vegetative growth.

Conditions Where Practice Applies

Where vegetative stabilization is to be established.

Criteria

- A. Soil Preparation
1. Temporary Stabilization
a. Seedbed preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment...
2. Permanent Stabilization
a. A soil test is required for any earth disturbance of 1/2 acre or more...
b. Application of amendments or topsoil is required if on-site soils do not meet the above conditions...
c. Graded areas must be maintained in a true and even grade as specified on the approved plan...
d. Apply soil amendments as specified on the approved plan and as indicated by the results of a soil test...
e. Mix soil amendments into the top 3 to 5 inches of soil by tilling or other suitable means...
B. Topsoiling
1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation...
2. Topsoiling is limited to areas having 2:1 or flatter slopes where...
3. Areas having slopes steeper than 2:1 require special consideration and design...
4. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut sedge, poison ivy, hickie, or other noxious weeds...
5. Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil...
6. Topsoil Application
a. Erosion and sediment control practices must be maintained when applying topsoil...
b. Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compact to a minimum thickness of 4 inches...
c. Topsoil must not be placed if the topsoil or subsoil is in frozen or muddy condition...
C. Soil Amendments (Fertilizer and Lime Specifications)
1. Soil tests must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas of 1/2 acre or more...
2. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment...
3. Lime materials must be ground limestone (hydrated or burnt lime) may be substituted except when hydroxyapatite which contains at least 90 percent total phosphorus (calculated on dry weight basis) and contains at least 15 percent phosphorus pentoxide...
4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by tilling or other suitable means...
5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square foot) prior to the placement of topsoil.

B-4.3. STANDARDS AND SPECIFICATIONS

FOR

SEEDING AND MULCHING

Definition

The application of seed and mulch to establish vegetative cover.

Purpose

To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies

To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

Criteria

- A. Seeding
1. Specifications
a. All seed must meet the requirements of the Maryland State Seed Law...
b. Mulch above may be applied between the fall and spring seeding dates only if the ground is frozen...
c. Inoculants: The inoculant for testing legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the species...
d. Seed and mulch must be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min) to permit dissipation of phytotoxic materials...
2. Application
a. Dry Seeding: This includes use of conventional drop or broadcast spreaders...
b. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil...
c. Hydroseeding: Apply seed uniformly with hydroseeder (slurry including seed and fertilizer)...
d. Fertilizer is being applied at the time of seeding, the application rates should not exceed the following maximums: 100 pounds per acre total of soluble nitrogen (N), 200 pounds per acre K2O (potassium), 200 pounds per acre...
B. Mulching
1. Specifications (In order of preference)
a. Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color...
b. Wood Cellulose Fiber Mulch (WCFCM) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state...
c. WCFCM materials are to be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives...
d. WCFCM material must not contain dioxins or compounds at concentrations levels that will be phytotoxic...
e. WCFCM must conform to the following physical requirements: fiber length of approximately 10 millimeters, diameter approximately 1 millimeter, pH range of 4.0 to 8.5, moisture content of 1.6 percent maximum and water holding capacity of 90 percent maximum...
2. Application: Apply mulch to all seeded areas immediately after seeding...
a. When straw mulch is used, spread it over all seeded areas at the rate of 2 tons per acre to a uniform depth of 1 to 2 inches...
b. Wood cellulose fiber used as mulch must be applied at a rate of the weight of 1500 pounds per acre...
3. Anchoring: Perform mulch anchoring immediately following application to minimize loss by wind or water...
a. A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil surface...
b. Wood cellulose fiber may be used for anchoring straw...
c. Synthetic binders such as Acrylic Resin (Aqua-Tack), DCA-70, Petrolux, Terra Tack II, Terra Tack AR or other approved equal may be used...
d. Lightweight plastic netting may be stapled over the mulch according to manufacturer recommendations...

B-4.4. STANDARDS AND SPECIFICATIONS

FOR

SOIL STABILIZATION MATTING

Definition

Material used to temporarily or permanently stabilize channels or steep slopes until grasscover is established.

Purpose

To protect the soils until vegetation is established.

Conditions Where Practice Applies

On newly seeded surfaces to prevent the applied seed from washing out, in channels and on steep slopes where the flow has eroded velocity or covers clear water; on temporary slopes, earth dikes, and perimeter dike swales in required by the respective design standard; and, on stream banks where moving water is likely to wash out new vegetative plantings.

Design Criteria

- 1. The soil stabilization matting that is used must withstand the flow velocities and shear stresses determined for the area...
2. Matting is required on permanent channels where the runoff velocity exceeds two and half feet per second (2.5 fps) or the shear stress exceeds two pounds per square foot (2.0 lbs/ft²)...
3. Temporary soil stabilization matting is made with degradable (less than 6 months minimum), natural, or manmade fibers of uniform thickness and distribution of fibers throughout and is unidirectional...
4. Permanent soil stabilization matting is an open weave, synthetic material consisting of non-degradable fibers or elements of uniform thickness and distribution of weave throughout...
5. Calculate channel velocity and shear stress using the following procedure:
Shear Stress (τ) is a measure of the force of moving water against the substrate and is calculated as:
τ = γ · R · S, where:
γ = Shear Stress (lb/ft²)
γ = Weight Density of Water (62.4 lb/ft³)
R = Average Water Depth (Hydraulic Radius) (ft)
S = Water Surface Slope (ft/ft)
Velocity (V) measures the rate of flow through a defined area and is calculated as:
V = Velocity (ft/sec)
n = Manning's Roughness Coefficient
R = Hydraulic Radius (ft)
S = Channel Slope (ft/ft)
4. Use Table B-7 to assist in selecting the appropriate soil stabilization matting for slope applications based on the slope, the slope length, and the soil-erosibility K factor.

Table B-7: Soil Stabilization on Slopes

Table with columns: Slope, 20:1 or Flatter, 10:1 to 20:1, 5:1 to 10:1, 3:1 to 5:1, 2:1 to 3:1, <2:1 to 2:1. Rows include Straw Mulch/Wood Cellulose Fiber, Temporary Matting with Design Shear Stress > 1.5 lbs/ft², Temporary Matting with Design Shear Stress > 2.75 lbs/ft², Temporary Matting with Design Shear Stress > 3.0 lbs/ft², Temporary Matting with Design Shear Stress > 2.75 lbs/ft².

* Slope length includes contributing flow length.
** Slopes steeper than 2:1 must be engineered.
*** Soil having a K value less than or equal to 0.35 can be stabilized effectively with straw mulch or wood cellulose fiber when located on slopes greater than 5%.
Soil having a K value greater than 0.35, K factor ratings are published in the NRES Soil Survey. During construction or reclamation, the soil-erosibility K value should represent the upper 6 inches of the final fill material re-spread at the last fill. Only the effects of rock fragments within the soil profile are considered in the estimation of the K value.

Maintenance

Vegetation must be established and maintained so that the requirements for Adequate Vegetative Establishment are continuously met in accordance with Section B-4 Vegetative Stabilization.

B-4.5. STANDARDS AND SPECIFICATIONS

FOR

STOCKPILE AREA

Definition

A mound or pile of soil protected by appropriately designed erosion and sediment control measures.

Purpose

To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.

Conditions Where Practice Applies

Stockpile areas are utilized when it is necessary to stockpile and store soil for later use.

Criteria

- 1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan.
2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1.
3. Runoff from the stockpile area must drain to a suitable sediment control practice.
4. Access to the stockpile area should be from the upgrade side.
5. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as an earth dike, temporary swale or diversion fence.
6. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment control practice must be used to intercept the discharge.
7. Stockpiles must be stabilized in accordance with the 1/7 day stabilization requirement as well as Standard B-4-1 Incremental Stabilization and Standard B-4-1 Temporary Stabilization.
8. If the stockpile is located on an impervious surface, a liner may be provided below the stockpile to facilitate cleanup.

Maintenance

The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slopes must be maintained at no steeper than a 2:1 ratio. The stockpile area must be kept free of erosion. If the vertical height of a stockpile exceeds 70 feet for 2:1 slopes, 30 feet for 3:1 slopes, or 40 feet for 4:1 slopes, benching must be provided in accordance with Section B-3 Land Grading.

NOTE:

NO STAGING / STOCKPILE AREA IS DESIGNATED. CONTRACTOR TO DESIGNATE STOCKPILE AREA IF NECESSARY AND OBTAIN ALL NECESSARY PERMITS FOR STAGING / STOCKPILE AREA.

WALLACE MONTGOMERY CONSULTING ENGINEERS logo and contact information.

DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE logo and address.

DESIGNED BY L.E.W., DRAFTER L.E.W., CHECKED C.Y.M. information.

DESIGN PLAN APPROVAL signature and date for Craig L. Simoneau.

AS BUILT PLAN APPROVAL signature and date for Construction Management.

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS project title.

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL table with columns for DATE SUBMITTED, SCALE, SHEET NO., FILE #.

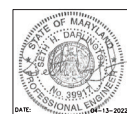
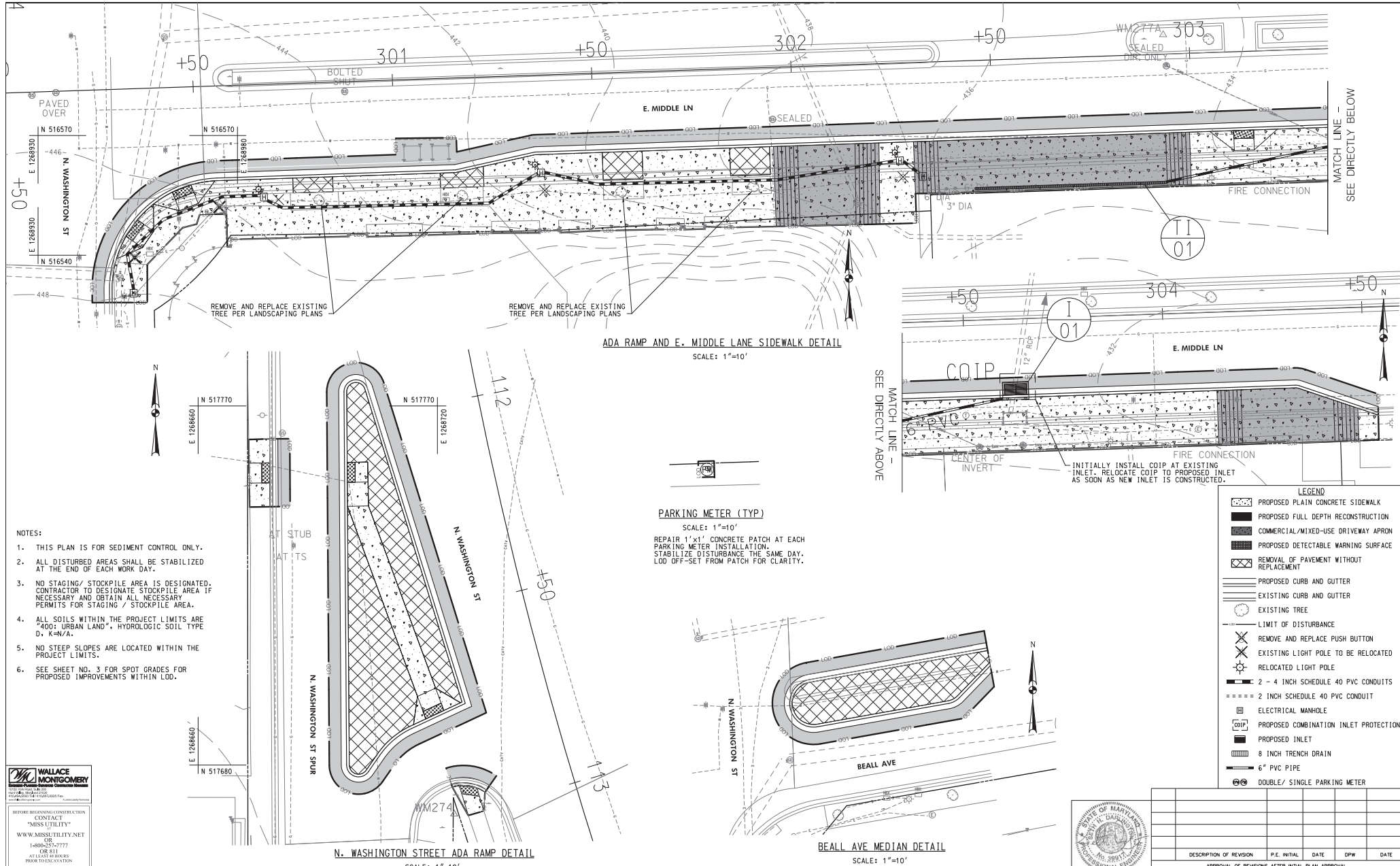


Table with 5 columns: DESCRIPTION OF REVISION, P.E. INITIAL, DATE, GFW, DATE.



- 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.

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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. Simonsau
2022.04.19 17:32:00-0400
PK# _____ SCP# SCP2022-00014
SMP# _____ REVIEWED BY _____
DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____

AS BUILT PLAN APPROVAL

CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____

EROSION & SEDIMENT CONTROL 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

DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

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

- 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

