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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; 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 FINED TO THE ROADWAY. PLATES MUST BE LARGE ENOUGH TO ALLOW A MINIMUM OF ONE-FOOT BEARING ON ALL FOUR SIDES OF THE PAVEMENT SURROUNDING THE EXCAVATION. THE STEEL PLATE REQUIREMENTS ONLY APPLY TO PUBLIC STREETS.
- THE PUBLIC ROAD UTILITY PATCH SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL #60, CONTAINED HEREIN, OR AS SHOWN ON THE PLANS. ALL TRENCHES IN PUBLIC STREETS SHALL BE FILLED WITH COMPACTED GRANULAR AGGREGATE BASE (GAB) FROM BELOW THE PAVEMENT TO THE TOP OF THE PIPE EMBEDMENT ZONE OR TO A DEPTH OF FIVE FEET, WHICHEVER IS LESS.
- DPW NORMAL WORKING HOURS ARE MONDAY THROUGH FRIDAY, EXCEPT HOLIDAYS, FROM 8:30 A.M. TO 5 P.M. THE CITY OBSERVES THE FOLLOWING HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING'S BIRTHDAY, PRESIDENT'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, THANKSGIVING FRIDAY AND CHRISTMAS DAY, AND ALL DAYS OF GENERAL AND CONGRESSIONAL ELECTIONS THROUGHOUT THE STATE. THE CONTRACTOR WILL NOT BE PERMITTED TO CLOSE LANES OR DO ANY WORK THAT REQUIRES THE SERVICES OF THE CITY FORCES, OUTSIDE OF THE NORMAL WORKING HOURS, UNLESS OR AUTHORIZED BY DPW IN WRITING. THE CONTRACTOR, WITH WRITTEN PERMISSION OF DPW MAY BE PERMITTED TO WORK OUTSIDE OF THE NORMAL WORK HOURS FOR CLEAN-UP ACTIVITIES OR OTHER SUCH ITEMS THAT DO NOT ADVERSELY IMPACT TRAFFIC, RESIDENTS OR CITY SERVICE.
- TRAFFIC MUST BE MAINTAINED ON ALL ROADWAYS WITHIN THE CONSTRUCTION AREA AS DIRECTED BY DPW. NO LANE CLOSURE SHALL BE PERMITTED BETWEEN 7:00-9:00 A.M. OR 3:30-6:00 P.M. MONDAY THROUGH FRIDAY. AN EXCEPTION IS THAT LANE CLOSURES ARE PERMITTED ON SECONDARY RESIDENTIAL STREETS AT ANY TIME DURING NORMAL WORKING HOURS. DEPLOYMENT AND DESIGN OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). IF REQUIRED, TRAFFIC CONTROL PLANS SHALL BE REVIEWED AND APPROVED BY THE CHIEF OF THE TRAFFIC AND TRANSPORTATION DIVISION. DPW MAY SUSPEND LANE CLOSURE OR OTHER TRAFFIC CONTROLS AT ANY TIME DURING, OR IN ADVANCE OF, INCIDENT WEATHER EVENTS.
- SHEETING AND SHORING IS THE TOTAL RESPONSIBILITY OF THE APPLICANT. A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND SHALL SEAL THESE DRAWINGS. PROVIDE THREE COPIES TO DPW FOR INFORMATIONAL PURPOSES ONLY.
- IN ADDITION TO ALL CITY PERMITS, THE APPLICANT IS RESPONSIBLE TO ENSURE THAT ALL NECESSARY FEDERAL, STATE AND/OR MONTGOMERY COUNTY APPROVALS AND/OR PERMITS HAVE BEEN OBTAINED IN ASSOCIATION WITH THIS APPROVED PLAN.
- SHOP DRAWINGS MUST BE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND PRIOR TO FABRICATION. THE PROFESSIONAL ENGINEER WHO SEALED THE DESIGN PLANS (BUT NOT THE SHOP DRAWINGS) MUST APPROVE THE SHOP DRAWINGS FOR CONFORMANCE TO CONSTRUCTION. ALL PIPES AND STRUCTURES IN PAVED AREAS SHALL BE DESIGNED FOR 45-20 VEHICLES LOADING.
- UPON COMPLETION OF CONSTRUCTION, THE APPLICANT SHALL PROVIDE THREE SETS OF RED LINED AS-BUILT PRINTS (24"x36") FOR REVIEW AND APPROVAL BY THE CITY. THE DRAWINGS MUST CONTAIN THE ORIGINAL APPROVAL SIGNATURES AND PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE (A SCANNED IMAGE OF THE ORIGINAL MULAR IS ACCEPTABLE). THE AS-BUILT SHALL BE SEALED BY A PROFESSIONAL SURVEYOR, AS APPROPRIATE AND MUST BE LICENSED BY THE STATE OF MARYLAND. THE SEAL SHALL NOTE THAT IT IS ONLY FOR THE AS-BUILT AND SHALL INCLUDE AN AS-BUILT CERTIFICATION TO THE CITY. UPON RECEIPT OF WRITTEN APPROVAL, THE APPLICANT SHALL PROVIDE APPROVED AS-BUILT MULAR DRAWING ALONG WITH THE ORIGINAL MULARS (WITH ALL ORIGINAL SIGNATURES) TO CITY PRIOR TO THE RELEASE OF THE PERMIT.
- THE APPLICANT MUST COMPLY WITH THE MONTGOMERY COUNTY NOISE CONTROL ORDINANCE. PLEASE REFER TO THE MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AT 240-777-7700, ASSESS@MONTGOMERYCOUNTY.GOV, OR WWW.MONTGOMERYCOUNTY.GOV/DEP.

NOTES:

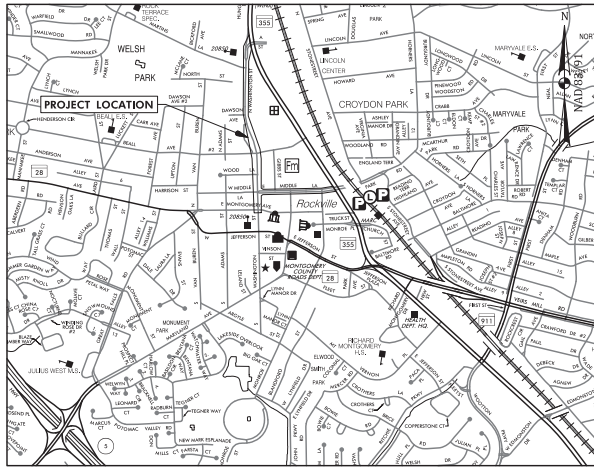
- JOB SAFETY AND TRAFFIC CONTROL SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONFORM TO ALL LAWS AND REGULATIONS IN REGARD TO WORK AREAS OR ADJACENT TO OVERHEAD POWER LINES.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY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

UTILITY CONTACTS

AT&T TRANS	800-252-1133
CITY OF ROCKVILLE/ PMP/NET UNDERGROUND	301-868-6863
CITY OF ROCKVILLE	240-314-8577
FIBERLIGHT/ SUNBELT TELECOM	727-596-1500
LEVELS NOW CENTURY LINK	877-366-9344
MD	800-389-3427
MONTGOMERY COUNTY GOVERNMENT	786-345-0391
PEPCO	301-210-0355
VERIZON	301-210-0355
WASHINGTON GAS	301-210-0355

NOTES:

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



VICINITY MAP

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

CONVENTIONAL SIGNS

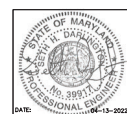
PROPOSED MEDIAN BARRIER	[Symbol]	PROPOSED PIPE / CULVERT	[Symbol]
ELECTRICAL HANDBOX - SIGNALS	[Symbol]	EXISTING PIPE / CULVERT	[Symbol]
FLOW LINE	[Symbol]	EXISTING DROP INLET	[Symbol]
STATE, COUNTY OR CITY LINES	[Symbol]	UTILITY POLE	[Symbol]
PROPOSED TRAFFIC BARRIER	[Symbol]	WETLAND	[Symbol]
EXISTING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

100%
Final
Design

SWM CONCEPT SUMMARY TABLE	
GENERAL PROPERTY INFORMATION	
SMCW :	
TYPE OF CONCEPT: COMBINED STORMWATER CONCEPT PLAN	
DEVELOPMENT REVIEW PROCESS/CASE NO.:	PAM PLAN FOR STP
PROPERTY ADDRESS:	NORTH WASHINGTON STREET AND EAST MIDDLE LANE
PROPERTY LEGAL DESCRIPTION:	SUBDIVISION: N/A
LOTS:	N/A
BLOCKS:	N/A
PARCEL:	N/A
PROPERTY SIZE (AC/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



APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL					
DATE SUBMITTED	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE
APRIL 2022					
IFB					

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

DESIGNED: [Signature]
DRAFTED: Craig L. Simonsau
CHECKED: [Signature]
2022.04.19
17:31:25-0400'

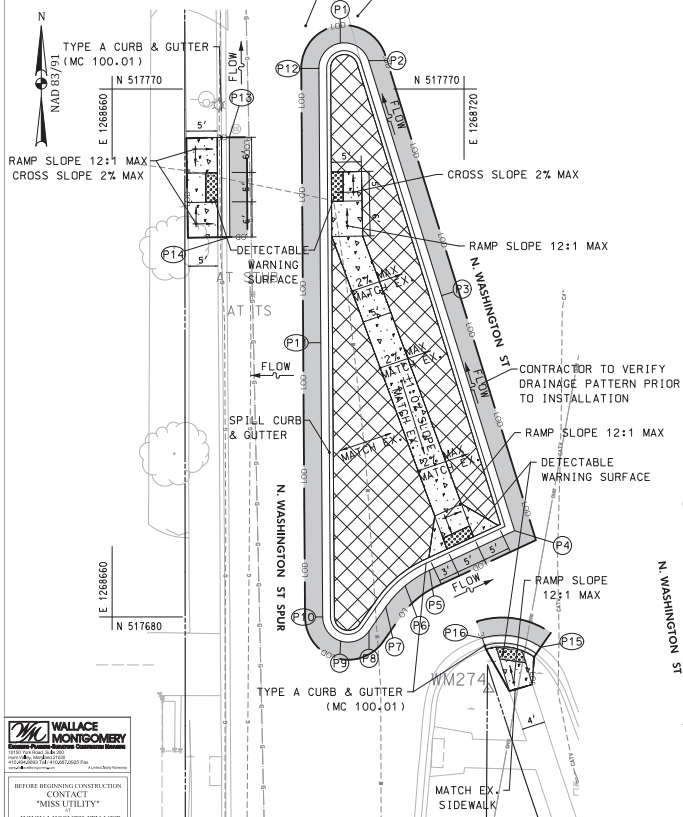
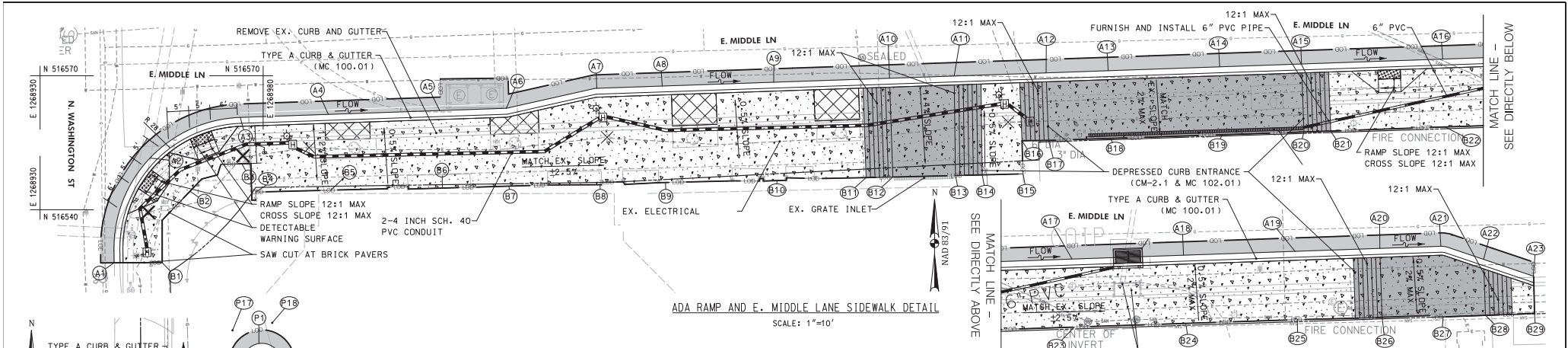
DESIGN PLAN APPROVAL
PKM: EPM2022-00045 SCP#
SMP# []
REVIEWED BY: []
APPROVAL DATE: []

AS BUILT PLAN APPROVAL
[]
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 #



PROPOSED CURB STAKEOUT - N. WASHINGTON ST

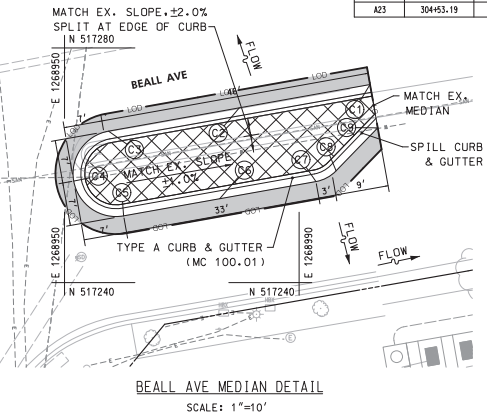
POINT NO.	STA. ON R. OF ROADWAY	OFFSET FROM R. OF ROADWAY	EDGE OF GUTTER ELEVATION	PROPOSED	EXISTING
P1	111+88.89	29.5'	450.4	450.4	
P2	111+89.66	25.4'	450.5	450.5	
P3	112+33.57	21.7'	450.7	450.7	
P4	112+74.69	19.6'	450.8	450.8	
P5	112+77.28	35.3'	451.3	451.3	
P6	112+78.66	40.0'	451.6	451.6	
P7	112+81.16	44.2'	451.7	451.7	
P8	112+34.22	48.1'	451.8	451.8	
P9	112+84.49	53.2'	451.9	451.9	
P10	112+79.92	55.0'	451.7	451.7	
P11	112+36.53	43.6'	451.0	451.0	
P12	111+92.32	34.0'	450.3	450.3	
P13	112+90.53	51.2'	450.1	450.1	
P14	112+16.41	54.7'	450.2	450.2	
P15	112+94.67	20.7'	450.8	450.8	
P16	112+90.50	29.8'	451.0	451.0	
P17	111+85.00	34.8'	450.3	450.3	
P18	111+85.00	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	300+25.19	53.3'	447.8	447.8	
A2	300+14.72	30.2'	446.4	446.4	
A3	300+55.28	21.7'	445.5	445.5	
A4	300+75.00	21.7'	444.4	444.4	
A5	301+00.00	21.7'	443.1	443.1	
A6	301+00.00	21.7'	442.1	442.1	
A7	301+14.92	17.9'	440.7	440.7	
A8	301+35.12	17.9'	439.7	439.7	
A9	301+50.00	17.9'	438.3	438.3	
A10	301+75.00	17.9'	437.0	437.1	
A11	302+00.96	17.9'	436.5	436.5	
A12	302+15.41	17.8'	435.8	435.9	
A13	302+36.07	17.8'	435.4	435.4	
A14	302+50.00	17.8'	434.8	434.8	
A15	302+75.00	17.8'	434.2	434.2	
A16	302+93.33	17.8'	433.2	433.2	
A17	303+25.00	17.7'	432.4	432.5	
A18	303+50.00	17.7'	431.8	431.9	
A19	303+75.00	17.7'	431.4	431.4	
A20	304+00.00	17.6'	431.0	431.0	
A21	304+19.01	17.4'	430.8	430.8	
A22	304+42.16	20.9'	430.6	430.6	
A23	304+53.19	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	300+25.19	53.7'	448.0	448.0	
B2	300+14.72	31.8'	446.9	446.9	
B3	300+55.28	32.1'	446.2	446.2	
B4	300+75.20	38.6'	446.2	446.2	
B5	300+75.00	38.7'	445.1	445.1	
B6	301+00.00	39.1'	443.4	443.4	
B7	301+00.00	39.1'	442.4	442.4	
B8	301+14.92	39.5'	440.9	440.9	
B9	301+35.12	39.5'	440.0	440.0	
B10	301+50.00	39.9'	438.5	438.5	
B11	301+94.96	39.9'	437.1	437.1	
B12	301+75.00	40.0'	436.7	436.7	
B13	302+00.96	40.1'	436.4	436.4	
B14	302+21.00	40.2'	EXISTING	EXISTING	
B15	302+50.14	40.3'	EXISTING	EXISTING	
B16	302+50.14	32.8'	436.1	436.1	
B17	302+15.41	33.0'	435.4	435.4	
B18	302+36.07	33.0'	435.1	435.1	
B19	302+50.00	33.0'	434.6	434.6	
B20	302+75.00	33.0'	434.3	434.3	
B21	302+99.37	33.0'	434.1	434.1	
B22	302+93.33	33.0'	433.7	433.6	
B23	303+25.00	33.0'	433.0	433.0	
B24	303+50.00	33.0'	432.4	432.4	
B25	303+75.00	33.0'	431.8	431.8	
B26	304+00.00	33.1'	431.4	431.4	
B27	304+19.01	33.5'	431.2	431.1	
B28	304+42.16	33.4'	431.0	431.0	
B29	304+53.19	33.3'	430.9	430.9	

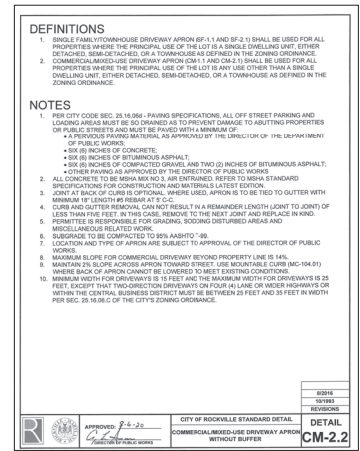
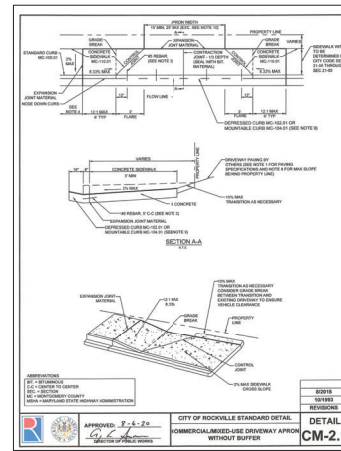
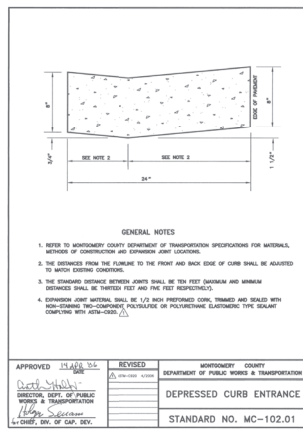
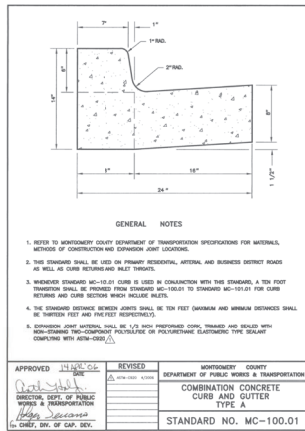
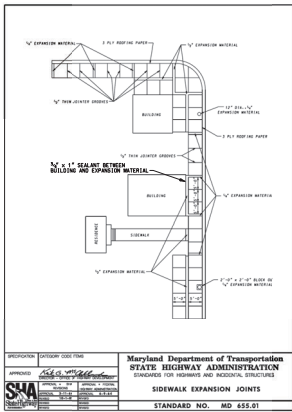


- LEGEND**
- PROPOSED PLAIN CONCRETE SIDEWALK
 - PROPOSED FULL DEPTH RECONSTRUCTION
 - COMMERCIAL/MIXED-USE DRIVEWAY APRON
 - PROPOSED DETECTABLE WARNING SURFACE
 - REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
 - PROPOSED CURB AND GUTTER
 - EXISTING CURB AND GUTTER
 - EXISTING TREE
 - LIMIT OF DISTURBANCE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

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



 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simonau 2022.04.19 17:31:27-0400 PWD # PM2022-00045 SCP # _____ REVIEWED BY _____ SMP # _____	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT 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 <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> </tbody> </table>	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																SCALE: 1"=10" SHEET NO. 3 OF 37 FILE # _____
	DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE																					
APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL																										



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

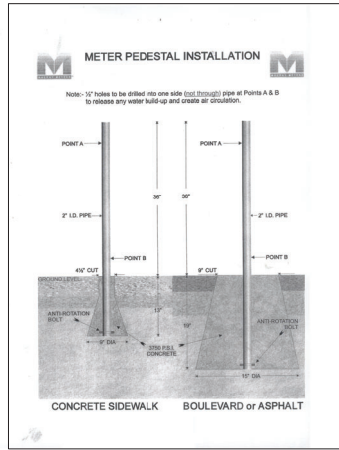
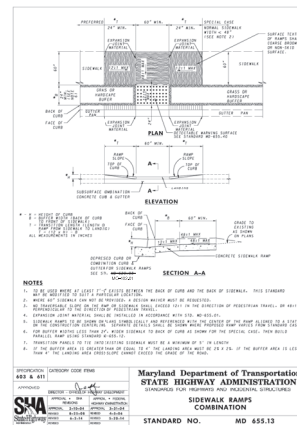
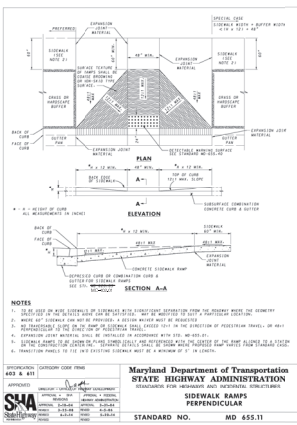
NOTES:
1. EXPANSION MATERIAL SHALL BE APPLIED TO ANY ADJUSTED MANHOLES, STREET LIGHT POLES, SIGNAL POLES, HAND BOXES AND PIPES.

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

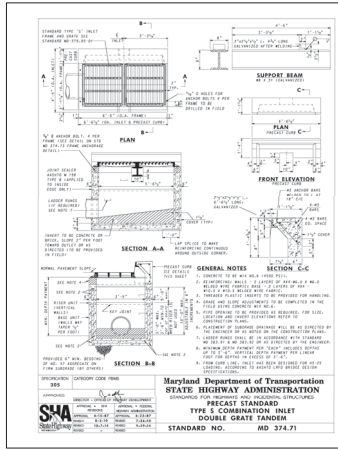
DETAIL D - DRIVEWAY APRON WITHOUT BUFFER
CITY OF ROCKVILLE STANDARD NO. CM-2.1

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

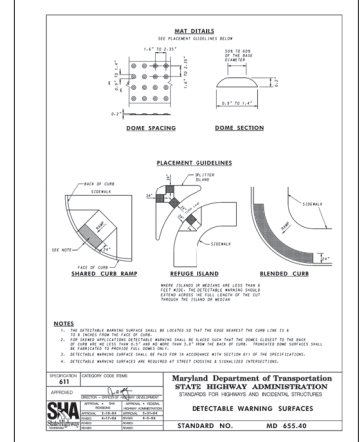


DETAIL H - METER PEDESTAL INSTALLATION

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



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



DETAIL J - DETECTABLE WARNING SURFACES
STANDARD NO. MD 655.40

WALLACE MONTGOMERY
CONSULTANTS
1111 WASHINGTON STREET, SUITE 200
ROCKVILLE, MARYLAND 20854
TEL: 301-581-1111
WWW.WALLACEMONTGOMERY.COM

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

DESIGNED		DESIGN PLAN APPROVAL		AS BUILT PLAN APPROVAL	
DESIGNED BY	[Signature]	DESIGNED BY	Craig L. Simonsu 2022.04.19 17:31:28+0000	AS BUILT PLAN APPROVAL	[Signature]
DRAFTED		PKW #	PKW_2022-00045	SC#	
CHECKED		SMP #		REVIEWED BY	
		APPROVAL DATE		CHEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE

STANDARD DETAILS

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

DATE SUBMITTED	SCALE	SHEET NO.	FILE #
APRIL 2022	1"=20'	4	
IFB		OF 37	



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE



E 1269600
N 518750

TO MD 355

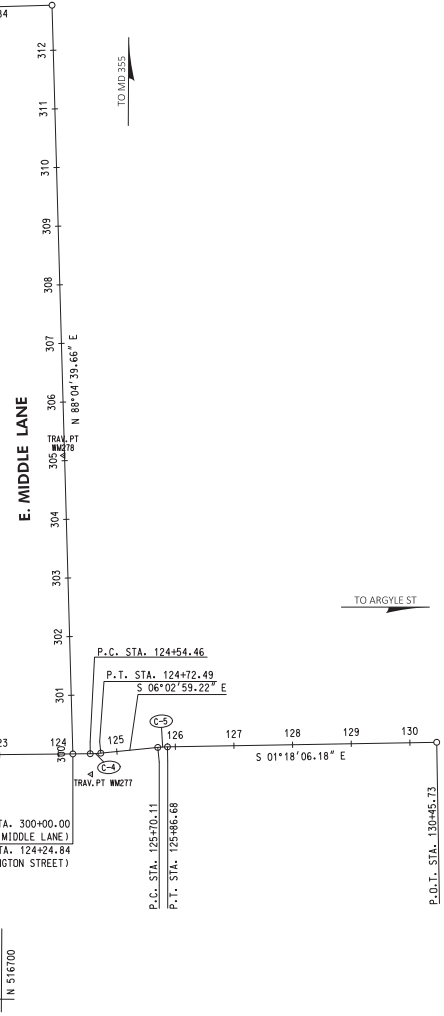
E 1268500
N 518750

POINT OF CONSTRUCTION				
POINT DESCR.	STATION	COORDINATES		BEARING
		NORTH	EAST	
N. WASHINGTON STREET				
P.O.T.	100+00.00	518,969.8720	1,268,733.5450	
P.C.	104+14.53	518,496.1433	1,268,705.9849	S 3°19'46.36" W
P.L.	107+48.59	518,202.5754	1,268,688.9060	
P.C.C.	110+61.78	517,909.3458	1,268,710.0444	S 4°19'03.20" E
P.L.	115+02.83	517,668.9836	1,268,729.9194	
P.R.C.	115+36.38	517,458.2365	1,268,846.1913	S 29°02'15.38" E
P.L.	116+61.75	517,348.6223	1,268,907.0455	
P.T.	117+82.06	517,223.2638	1,268,908.9810	
P.O.T.	124+24.84	516,580.5566	1,268,918.9044	S 00°53'04.46" E
P.C.	124+54.46	516,550.9404	1,268,919.3616	
P.L.	124+63.48	516,541.9203	1,268,919.5009	
P.T.	124+72.49	516,532.9495	1,268,920.4516	S 06°02'59.22" E
P.C.	125+70.11	516,435.8764	1,268,930.7397	
P.L.	125+78.40	516,427.6309	1,268,931.6136	
P.T.	125+86.68	516,419.3413	1,268,931.8020	S 01°18'06.18" E
P.O.T.	130+45.73	515,960.4134	1,268,942.2303	
E. MIDDLE LANE				
P.O.T.	300+00.00	516,580.5566	1,268,918.9044	
P.O.T.	312+76.84	516,623.3874	1,270,195.0244	N 88°04'39.66" E

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
C-1	07°38'49.81" L.T.	01°18'07.81"	4,400.00'	294.06'	581.26'	9.92'
C-2	24°43'12.21" L.T.	05°12'31.41"	1,100.00'	241.05'	474.59'	26.10'
C-3	28°09'10.91" RT.	11°27'33.01"	500.00'	125.37'	245.68'	15.48'
C-4	05°09'54.81" L.T.	28°38'52.41"	200.00'	9.02'	18.03'	0.20'
C-5	04°44'53.01" RT.	28°38'52.41"	200.00'	8.29'	16.57'	0.17'

CONTROL TRAVERSE				
POINT NO.	COORDINATES		ELEVATION	DESCRIPTION
	NORTH	EAST		
TRAV. PT WM 270	518,774.2431	1,268,885.0141	456.331	MAG NAIL
TRAV. PT WM 271	518,789.7783	1,268,756.1828	454.833	X-CUT
TRAV. PT WM 272	518,441.0995	1,268,678.3176	451.248	X-CUT
TRAV. PT WM 273	517,947.4212	1,268,743.7006	449.238	X-CUT
TRAV. PT WM 274	517,667.1235	1,268,724.1972	451.580	R&C
TRAV. PT WM 275	517,307.9242	1,268,950.5913	445.482	X-CUT
TRAV. PT WM 276	516,840.0745	1,268,885.9390	440.855	MAG NAIL
TRAV. PT WM 277	516,549.4354	1,268,884.3787	446.724	MAG NAIL
TRAV. PT WM 288	516,599.6605	1,269,427.4836	430.620	MAG NAIL

P.O.T. STA. 312+76.84



WALLACE MONTGOMERY
 CIVIL ENGINEERING & SURVEYING
 11111 Rockville Pike, Suite 200
 Rockville, MD 20851
 (301) 251-7777
 www.wallacemontgomery.com

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

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

DESIGNED: _____
 DRAFTED: _____
 CHECKED: _____

DESIGN PLAN APPROVAL
 Craig L. Simonneau
 2022.04.19
 17:31:29/04/07

AS BUILT PLAN APPROVAL

GEOMETRIC LAYOUT & CONSTRUCTION STAKEOUT

NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT

Election District No. 2 City of Rockville, Maryland

DATE SUBMITTED: APRIL 2022

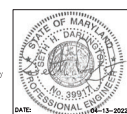
SCALE: 1"=100'

SHEET NO. 5 OF 37

FILE # _____

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

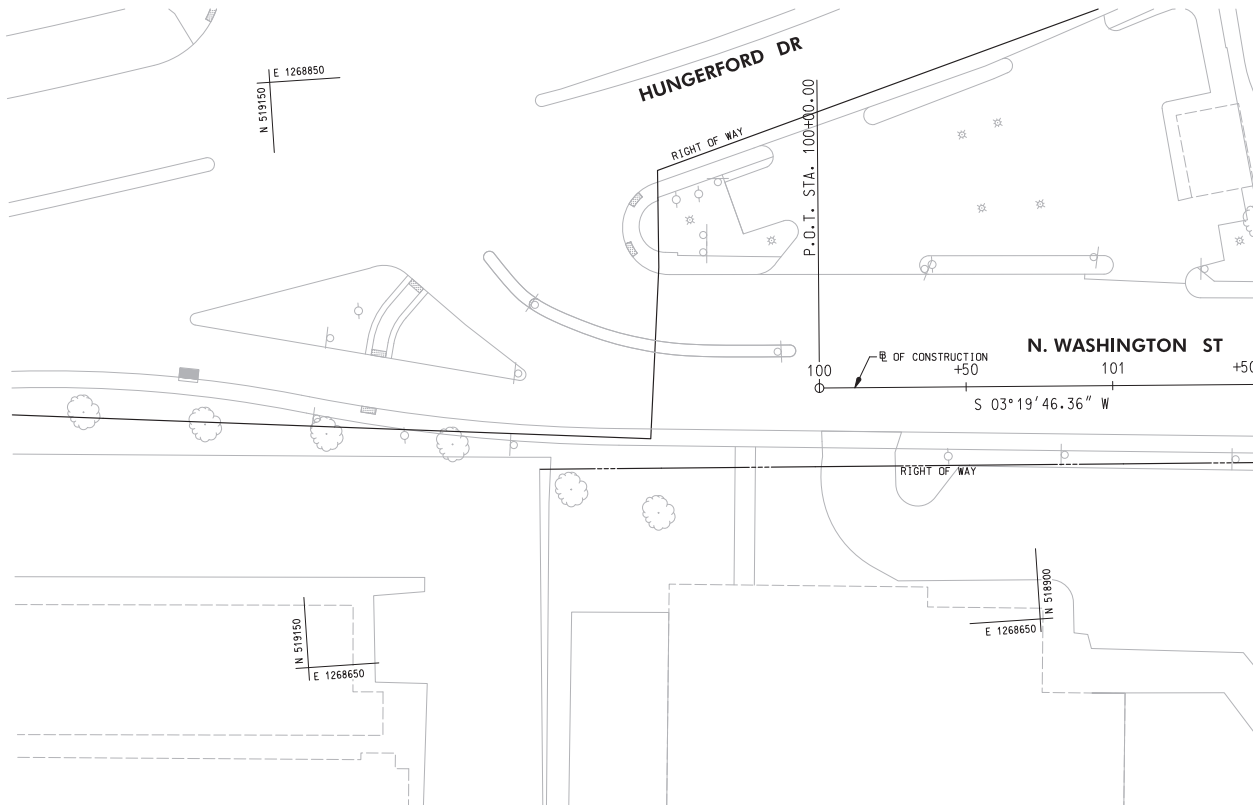




UTILITY CONTACTS	
AT&T TRANS	800-252-1133
CITY OF ROCKVILLE/ PMPPOINT UNDERGROUND	301-468-6803
CITY OF ROCKVILLE	202-344-8577
FIBERLIGHT/ SUNBELT TELECOM	727-596-1500
LEVEL3 NOW CENTURY LINK	877-366-8344
MC	800-289-3422
MONTGOMERY COUNTY GOVERNMENT	796-348-0396
PEPCO	301-210-0355
VERIZON	301-210-0355
WASHINGTON GAS	301-210-0355

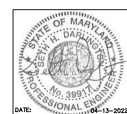
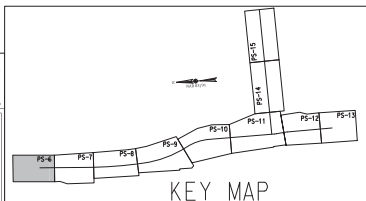
NOTES:

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.



WALLACE MONTGOMERY
 CONSULTING ENGINEERS
 1100 N. WASHINGTON BLVD. SUITE 200
 ROCKVILLE, MARYLAND 20850
 (301) 983-2000
 WWW.WALLACEMONTGOMERY.COM

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



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:30-04/00 P.W.# <u>PM2022-00045</u> SCP# _____ SMP# _____ REVIEWED BY _____ APPROVAL DATE _____ DIRECTOR OF PUBLIC WORKS	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 APPROVAL 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

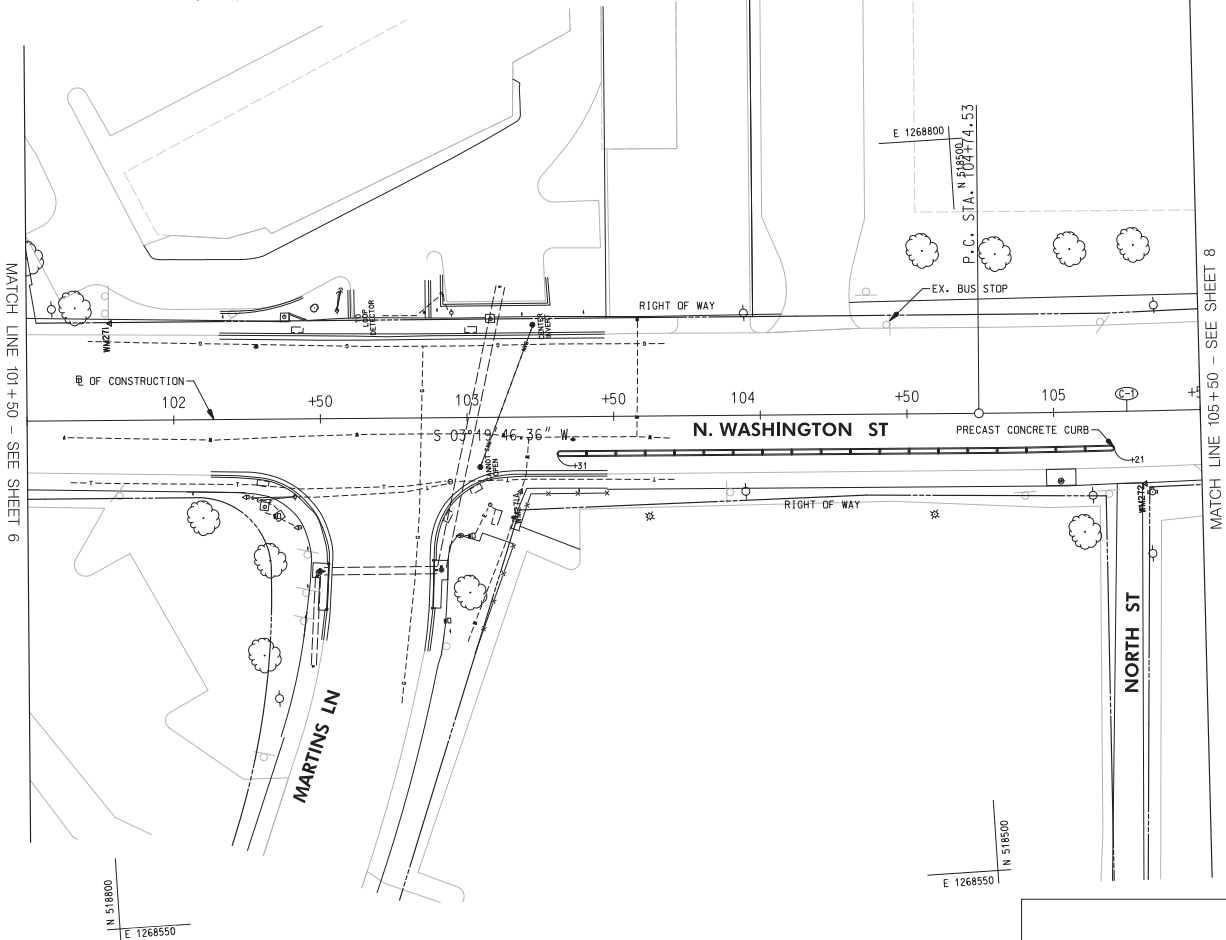
DELTA = 07° 38' 49.6" LT.
 Dc = 01° 18' 07.8"
 R = 4,400.00'
 T = 294.06'
 L = 587.26'
 CH = 586.82'
 E = 9.82'



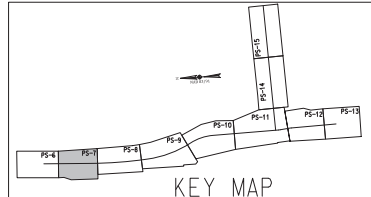
CURB AND GUTTER	
19 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

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



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

WALLACE MONTGOMERY
 CONSULTING ENGINEERS
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 Rockville, MD 20850
 (301) 761-1000
 www.wallacemontgomery.com

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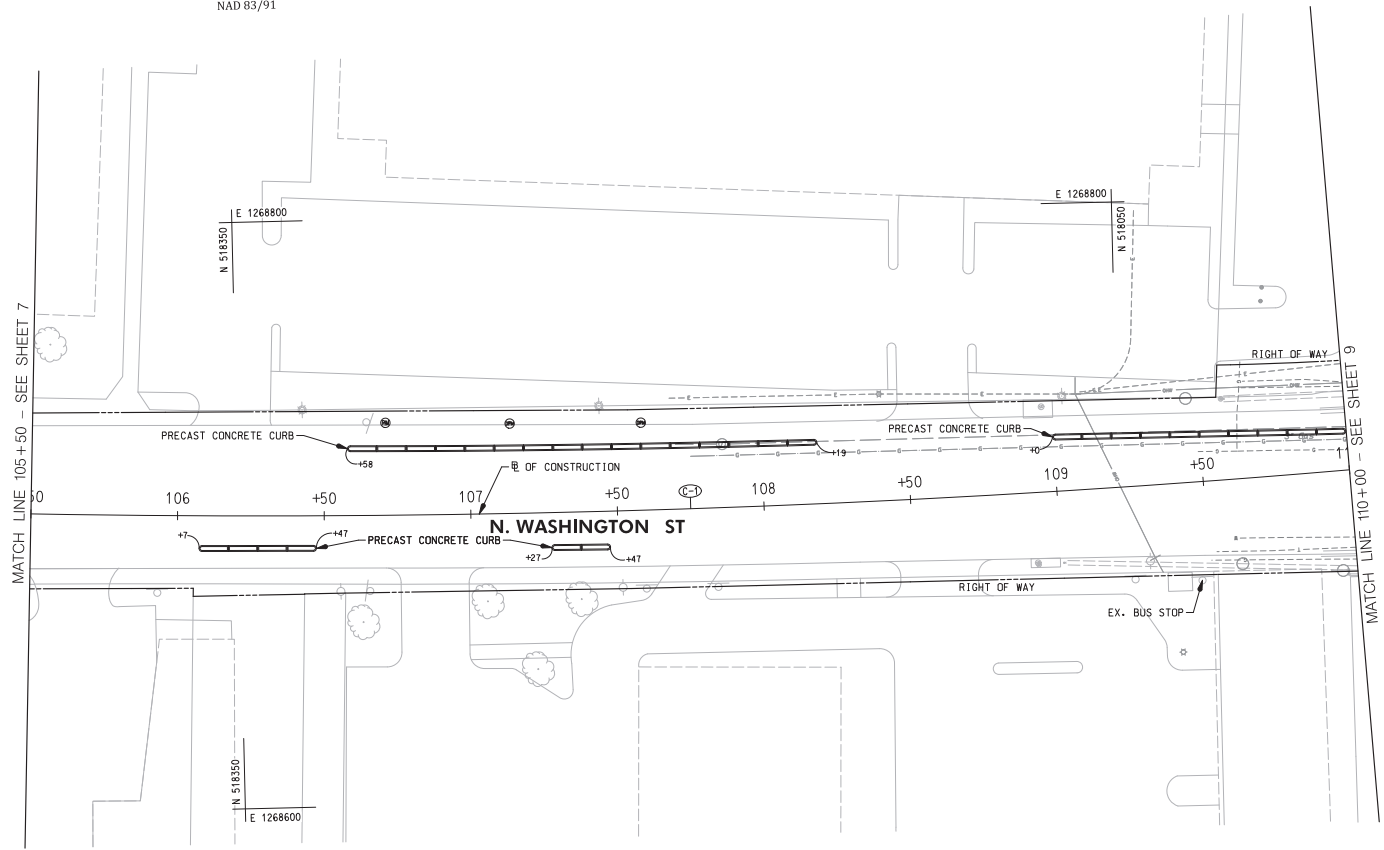
DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:31+0400 SMP# _____ APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ REVIEWED BY _____ _____ APPROVAL DATE _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 IFB	SCALE: 1"=20' SHEET NO. 7 OF 37	FILE # _____
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	



(C-1)
CURVE DATA
 DELTA = 7°38'49.6" L.T.
 Dc = 118'07.8"
 R = 4400.00'
 T = 294.06'
 L = 581.26'
 CH = 586.32'
 E = 9.82'

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

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

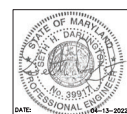
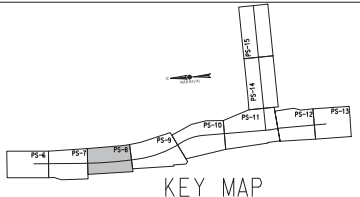


LEGEND

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

WALLACE MONTGOMERY
 1100 N. GREENSBORO BLVD.
 SUITE 200
 ROCKVILLE, MD 20850
 (301) 981-9600
 WWW.WALLACEMONTGOMERY.COM

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



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:30-0400' 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	



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-100.01)
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.

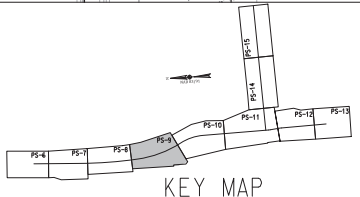
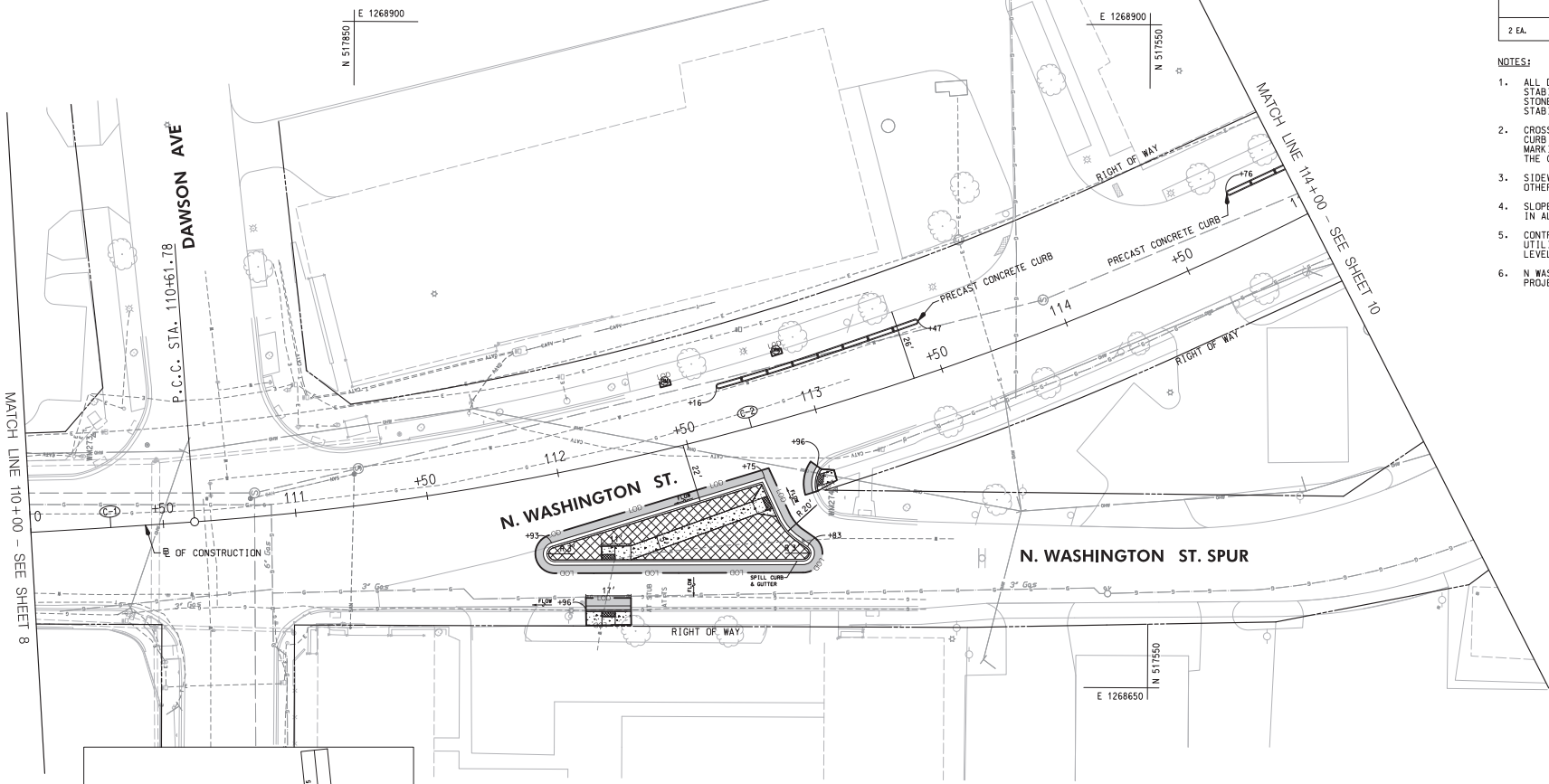
LEGEND

- 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

MATCH LINE 110+00 - SEE SHEET 8

DAWSON AVE
P.C.C. STA. 110+61.78

MATCH LINE 114+00 - SEE SHEET 10



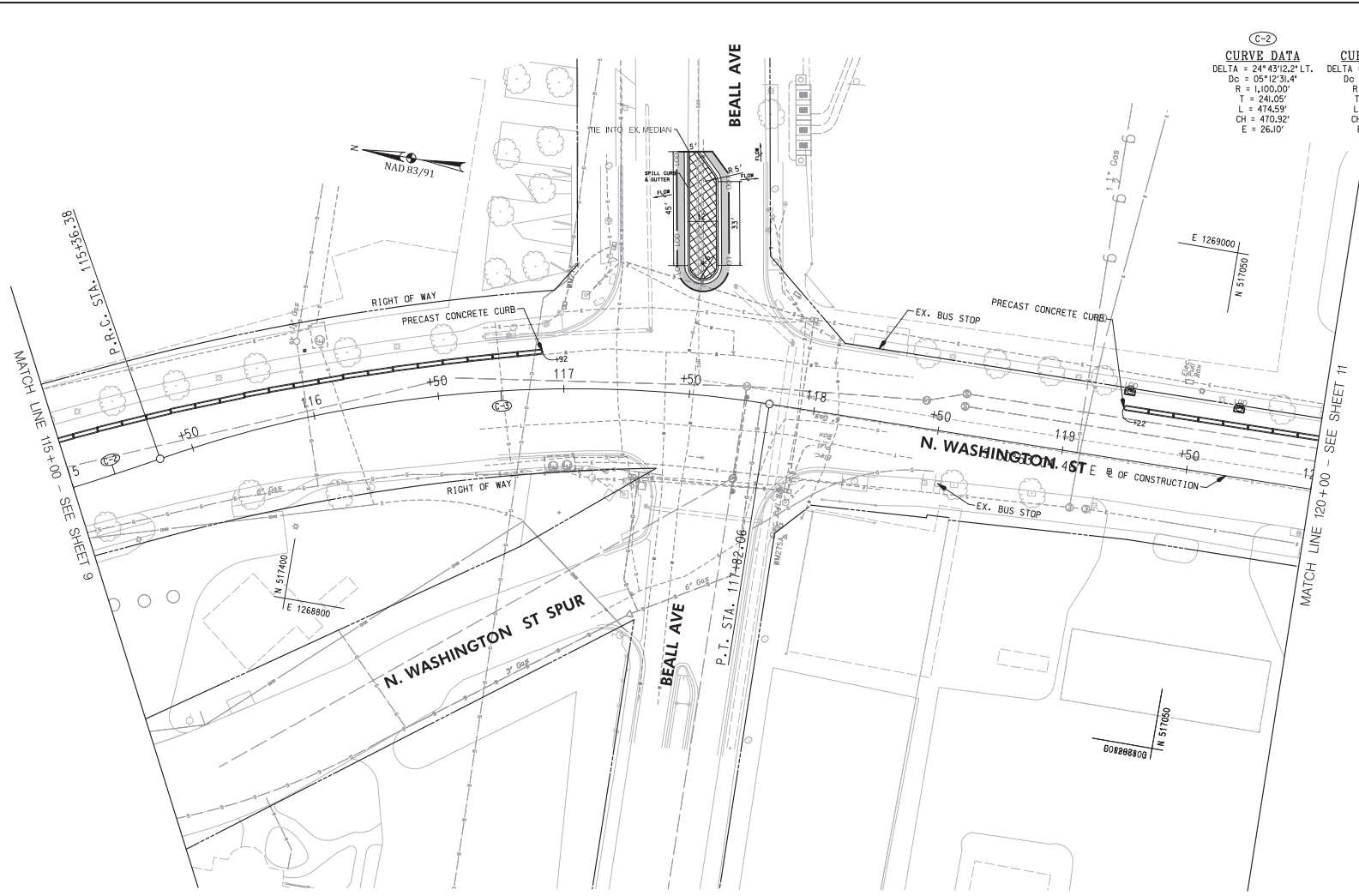
WALLACE MONTGOMERY
CONSULTANTS
1100 W. MONROE ST.
ROCKVILLE, MD 20854
TEL: 301-981-2800
WWW.WALLACEMONTGOMERY.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR 24 HOURS FROM THE CONSTRUCTION



DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

<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. Simons 2022.04.19 17:31:33-0410'</p> <p>PK# #_FMB2022-00045 SCP# _____</p> <p>SM# # _____</p> <p>REVIEWED BY _____</p> <p>DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____</p>	<p>AS BUILT PLAN APPROVAL</p> <p>_____</p> <p>CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____</p>	<p>STORM DRAIN AND PAVING PLAN</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. 9 OF 37</p> <p>FILE # _____</p>
	<p>MISS UTILITY 1-800-257-7777 FOR 24 HOURS FROM THE CONSTRUCTION</p>	<p>APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL</p> <p>DATE SUBMITTED: APRIL 2022</p> <p>SCALE: 1"=20'</p> <p>SHEET NO. 9 OF 37</p> <p>FILE # _____</p>				



C-2 CURVE DATA
 DELTA = 24°43'12.2" LT.
 Dc = 05°12'31.4"
 R = 1,000.00'
 T = 240.05'
 L = 474.59'
 CH = 470.92'
 E = 26.10'

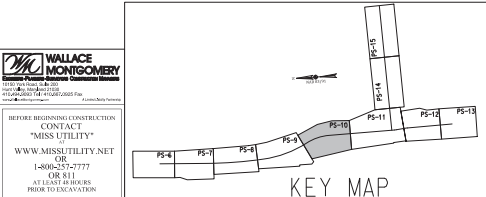
C-3 CURVE DATA
 DELTA = 28°09'10.9" RT.
 Dc = 11°27'33.0"
 R = 500.00'
 T = 126.37'
 L = 245.68'
 CH = 243.22'
 E = 15.48'

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

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

LEGEND

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



WALLACE MONTGOMERY
 1100 North Rockville Road
 Rockville, MD 20850
 (301) 761-1000
 www.wallacemontgomery.com

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR 8 HOURS FROM CONSTRUCTION

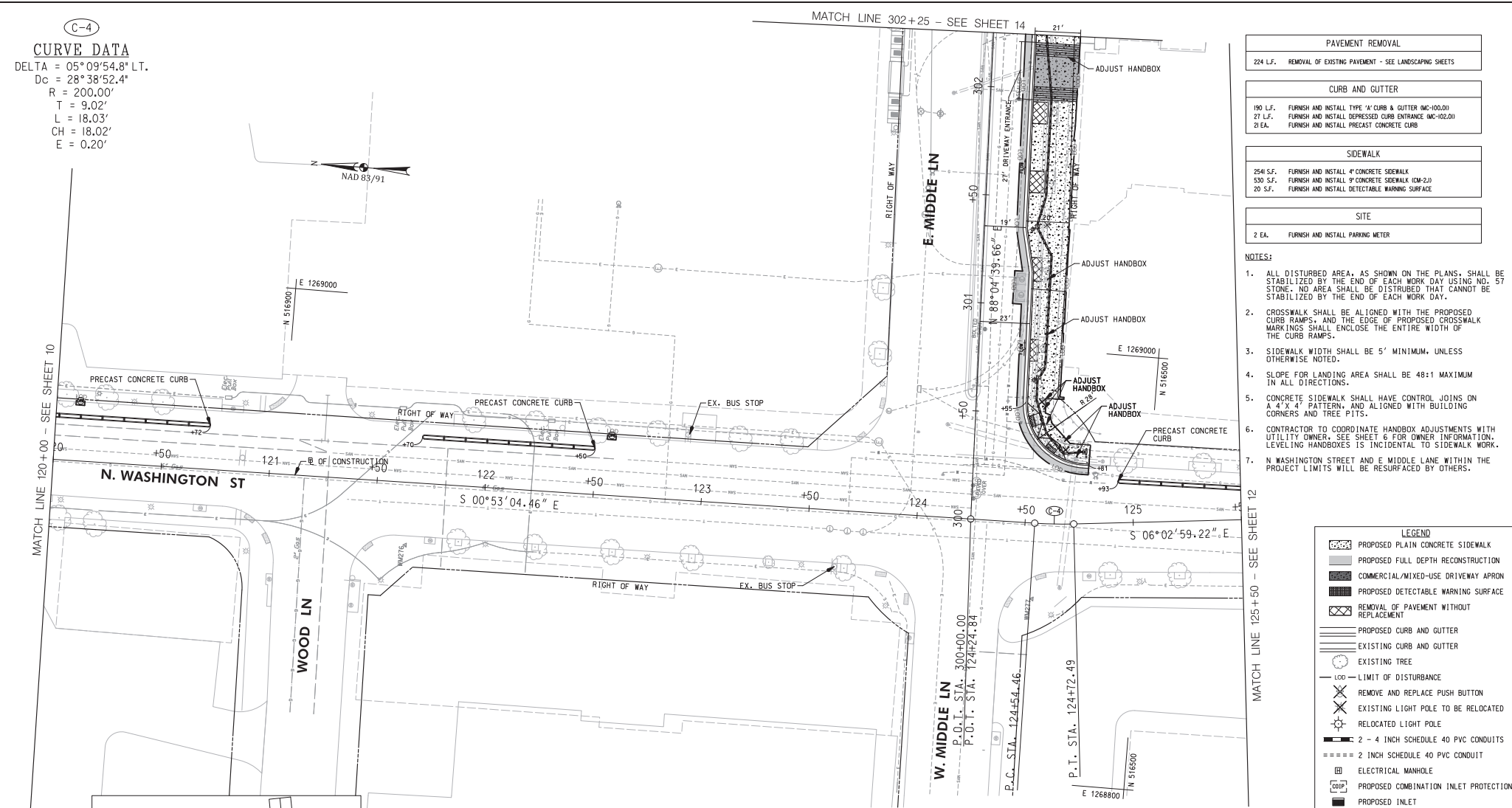


<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simonsau 2022.04.19 17:31:54+0000' DIRECTOR OF PUBLIC WORKS	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT	STORM DRAIN AND PAVING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

C-4

CURVE DATA

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



PAVEMENT REMOVAL	
224 L.F.	REMOVAL OF EXISTING PAVEMENT - SEE LANDSCAPING SHEETS

CURB AND GUTTER	
190 L.F.	FURNISH AND INSTALL TYPE 'A' CURB & GUTTER (MC-100.0)
27 L.F.	FURNISH AND INSTALL DEPRESSED CURB ENTRANCE (MC-102.0)
21 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

SIDEWALK	
268 S.F.	FURNISH AND INSTALL 4" CONCRETE SIDEWALK
630 S.F.	FURNISH AND INSTALL 9" CONCRETE SIDEWALK (CM-2.1)
20 S.F.	FURNISH AND INSTALL DETECTABLE WARNING SURFACE

SITE	
2 EA.	FURNISH AND INSTALL PARKING METER

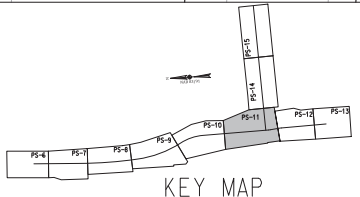
- NOTES:**
- ALL DISTURBED AREA, AS SHOWN ON THE PLANS, SHALL BE STABILIZED BY THE END OF EACH WORK DAY USING NO. 57 STONE. NO AREA SHALL BE DISTURBED THAT CANNOT BE STABILIZED BY THE END OF EACH WORK DAY.
 - CROSSWALK SHALL BE ALIGNED WITH THE PROPOSED CURB RAMP, AND THE EDGE OF PROPOSED CROSSWALK MARKINGS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

LEGEND

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

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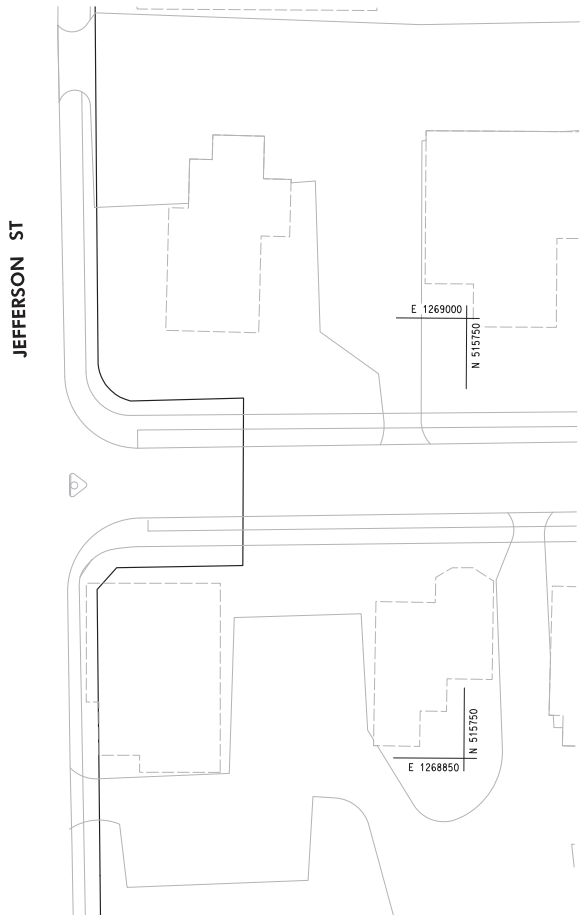
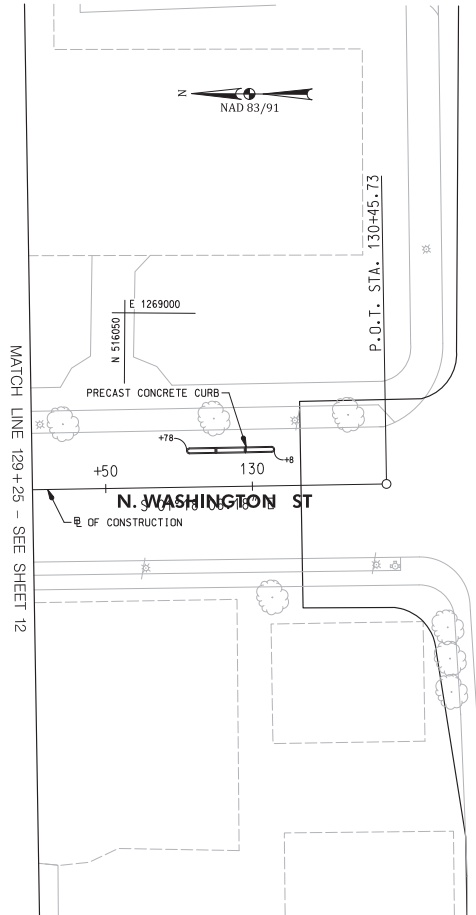
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 24 HOURS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION



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

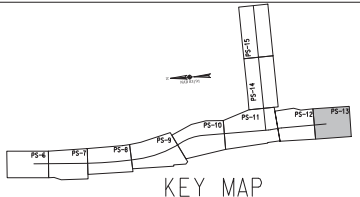
CURB AND GUTTER	
3 EA.	FURNISH AND INSTALL PRECAST CONCRETE CURB

- 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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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. Simmons 2022.04.19 17:31:36-04107 P.W.# <u> </u> F.W.# <u> </u> 2022-00045 SCP# <u> </u> REVIEWED BY _____ DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	STORM DRAIN AND PAVING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 DATE OF REVISIONS AFTER INITIAL PLAN APPROVAL: IFB	SCALE: 1"=20' SHEET NO. 13 OF 37	FILE # _____

DRAINAGE	
1 EA.	TYPE 5 COMBINATION INLET DOUBLE GRATE TANDEM (MD 374.71)
2 EA.	FURNISH AND INSTALL 8" TRENCH DRAIN
68 L.F.	FURNISH AND INSTALL 6" PVC PIPE

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

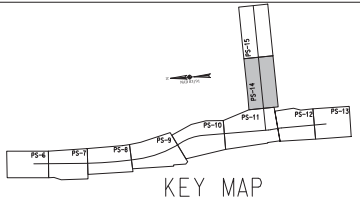
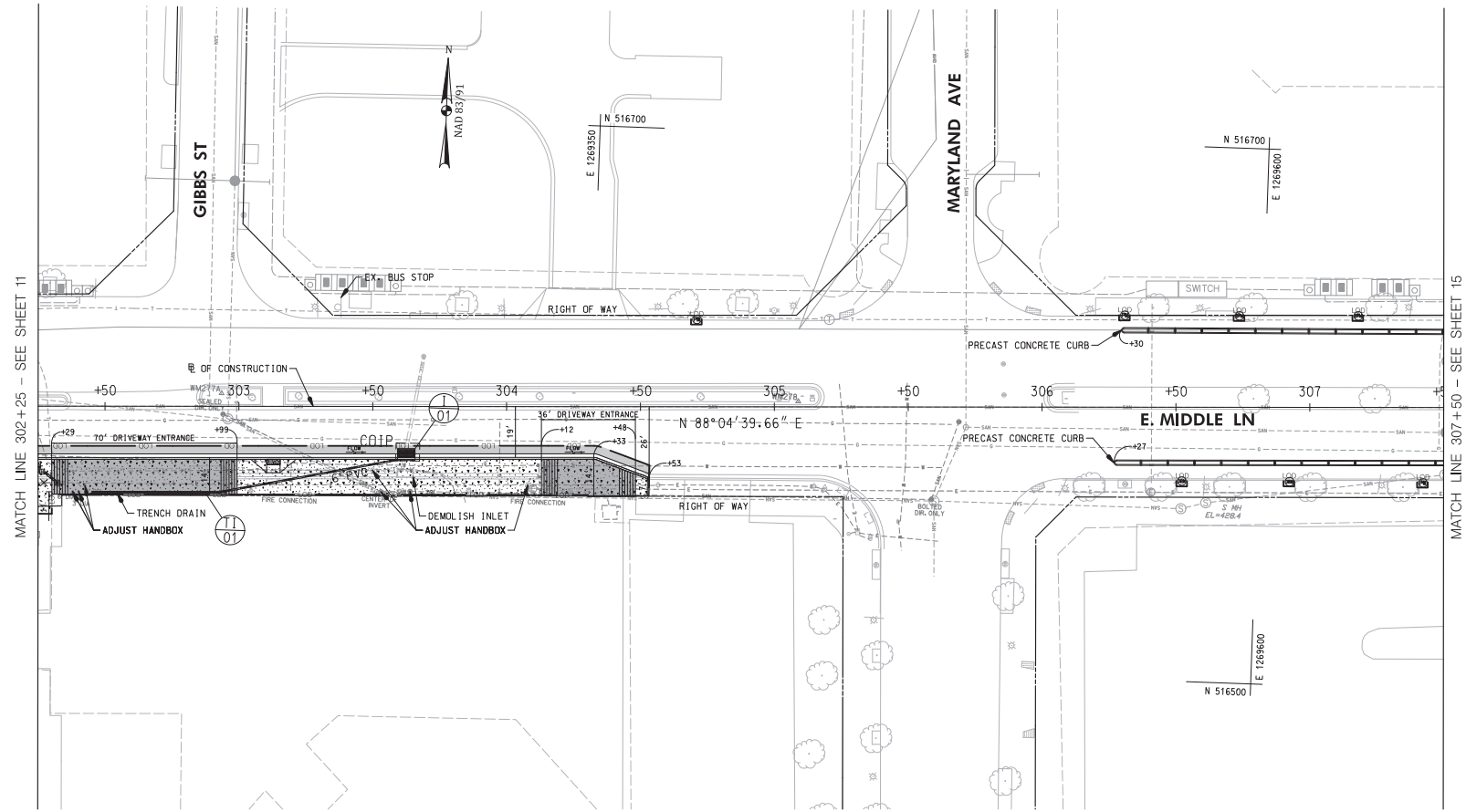
SIDEWALK	
1639 S.F.	FURNISH AND INSTALL 4" CONCRETE SIDEWALK
1349 S.F.	FURNISH AND INSTALL 9" CONCRETE SIDEWALK (CM-2.1)
10 S.F.	FURNISH AND INSTALL DETECTABLE WARNING SURFACE

SITE	
7 EA.	FURNISH AND INSTALL PARKING METER

- NOTES:**
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 - CONTRACTOR TO COORDINATE HANDBOX ADJUSTMENTS WITH UTILITY OWNER, SEE SHEET 6 FOR OWNER INFORMATION. LEVELING HANDBOXES IS INCIDENTAL TO SIDEWALK WORK.
 - N WASHINGTON STREET AND E MIDDLE LANE WITHIN THE PROJECT LIMITS WILL BE RESURFACED BY OTHERS.
 - 8" WIDE DUCTILE IRON TRENCH DRAIN KIT OR AN APPROVED EQUAL TO BE USED.

LEGEND

	PROPOSED PLAIN CONCRETE SIDEWALK
	PROPOSED FULL DEPTH RECONSTRUCTION
	COMMERCIAL/MIXED-USE DRIVEWAY APRON
	PROPOSED DETECTABLE WARNING SURFACE
	REMOVAL OF PAVEMENT WITHOUT REPLACEMENT
	PROPOSED CURB AND GUTTER
	EXISTING CURB AND GUTTER
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	ELECTRICAL MANHOLE
	PROPOSED COMBINATION INLET PROTECTION
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	8 INCH TRENCH DRAIN
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	DOUBLE/ SINGLE PARKING METER



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BEFORE BEGINNING CONSTRUCTION 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

 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____	DESIGN PLAN APPROVAL _____ Craig L. Simonescu 2022.04.19 17:21:37.04'00"	AS BUILT PLAN APPROVAL _____	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 SCALE 1"=20' SHEET NO. 14 OF 37 FILE #
	DRAFTED _____ CHECKED _____	APPROVAL DATE _____ DIRECTOR OF PUBLIC WORKS	REVIEWED BY _____ CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE _____ CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	DATE SUBMITTED: APRIL 2022	SCALE 1"=20' SHEET NO. 14 OF 37

TEMPORARY TRAFFIC CONTROL REQUIREMENTS

- ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE LATEST MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), STATE HIGHWAY ADMINISTRATION'S STANDARDS, SPECIFICATIONS AND GUIDELINES.
- THE CONTRACTOR SHALL NOTIFY UPCOMING CONSTRUCTION TO THE CITY'S COMMUNITY ENGAGEMENT COORDINATOR (TEL: 240-314-8344); CITY POLICE (240-314-8500); 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 MUTCD SPECIFICATIONS.
- THE CONTRACTOR AND INSPECTORS SHALL NOT PARK VEHICLES OR WORK BEHIND DRUMS WITHIN THE TAPER OR BUFFER AREAS.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 10' TRAVEL LANES.
- STAGING OR STOCKPILING OF MATERIAL ON-SITE SHALL BE PROHIBITED.

CONTACT INFORMATION

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

MISCELLANEOUS

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

TRAFFIC CONTROL - SEQUENCE OF CONSTRUCTION

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

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

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

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

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

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

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

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

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

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

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

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

STAGE 2 (BEALL AVENUE):

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

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

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

STAGE 3 (E. MIDDLE LANE SIDEWALK):

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

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

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

STAGE 4 (MILLING, OVERLAY AND TEMPORARY MARKINGS):

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

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

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

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

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

STAGE 5 (CONCRETE CURBS AND BUFFERS):

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

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

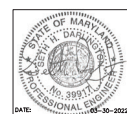
CONSTRUCTION ACTIVITIES INCLUDE THE FOLLOWING:
-INSTALLATION OF PROPOSED PRECAST CONCRETE CURBS IN BIKE LANE BUFFER AREA ALONG N. WASHINGTON ST. AND E. MIDDLE LN.

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


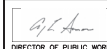
PLACE TEMPORARY TRAFFIC CONTROL DEVICES FOR PART-TIME STANDARD LEFT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-04, PART-TIME STANDARD RIGHT LANE CLOSURE IN ACCORDANCE WITH STANDARD NO. MD 104.03-06 OR PART-TIME STANDARD SHOULDER WORK IN ACCORDANCE WITH STANDARD NO. MD 104.03-02 AS NEEDED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

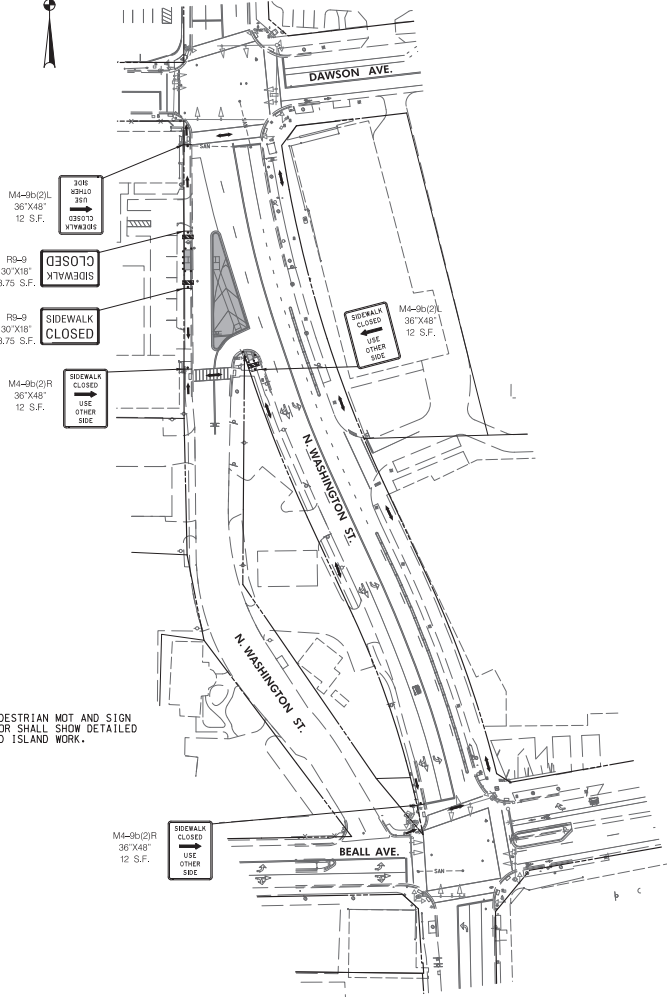


BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR BILL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION



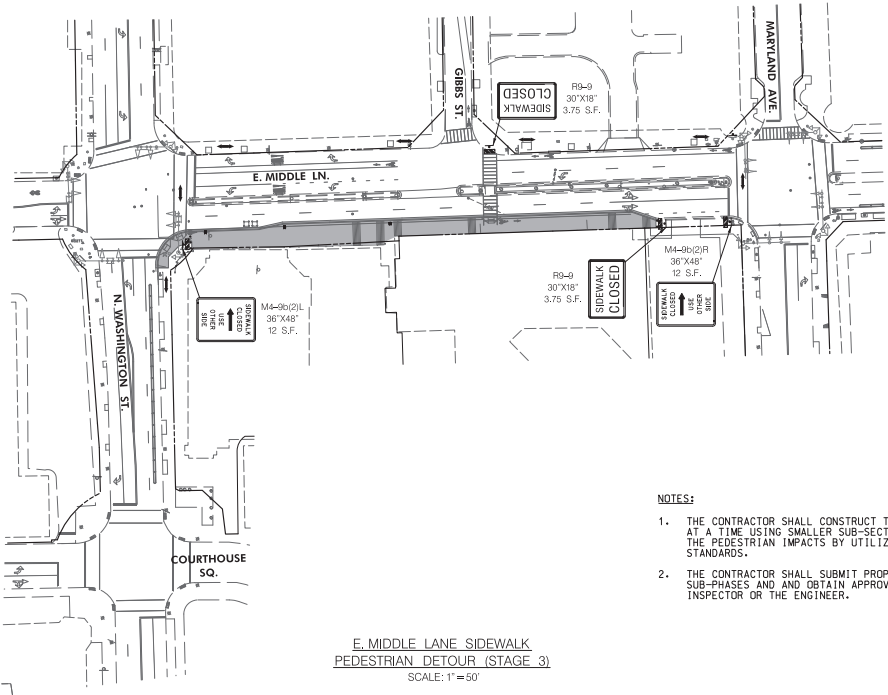
DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

 <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" PWD# _____ SMP# _____ DIRECTOR OF PUBLIC WORKS APPROVAL DATE	AS BUILT PLAN APPROVAL _____ REVIEWED BY _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE	MAINTENANCE OF TRAFFIC NOTES	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: MARCH 2022 DATE: 03-30-2022	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 IFB	SCALE SHEET NO. 17 OF 37	FILE #
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N. WASHINGTON STREET GORE ISLAND
PEDESTRIAN DETOUR (STAGE 1)
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.



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

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
1111 W. NORTH AVE. SUITE 200
ROCKVILLE, MD 20854
TEL: 301-981-9300
WWW.WMCONSULTANTS.COM

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

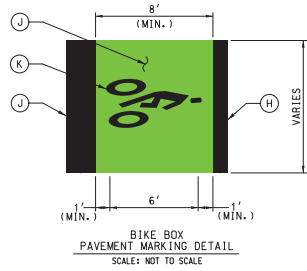
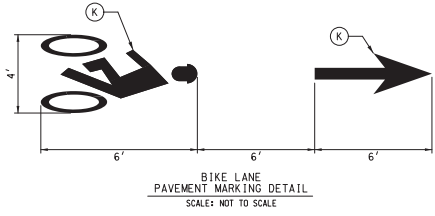
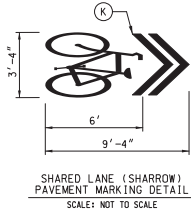
MOT LEGEND

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

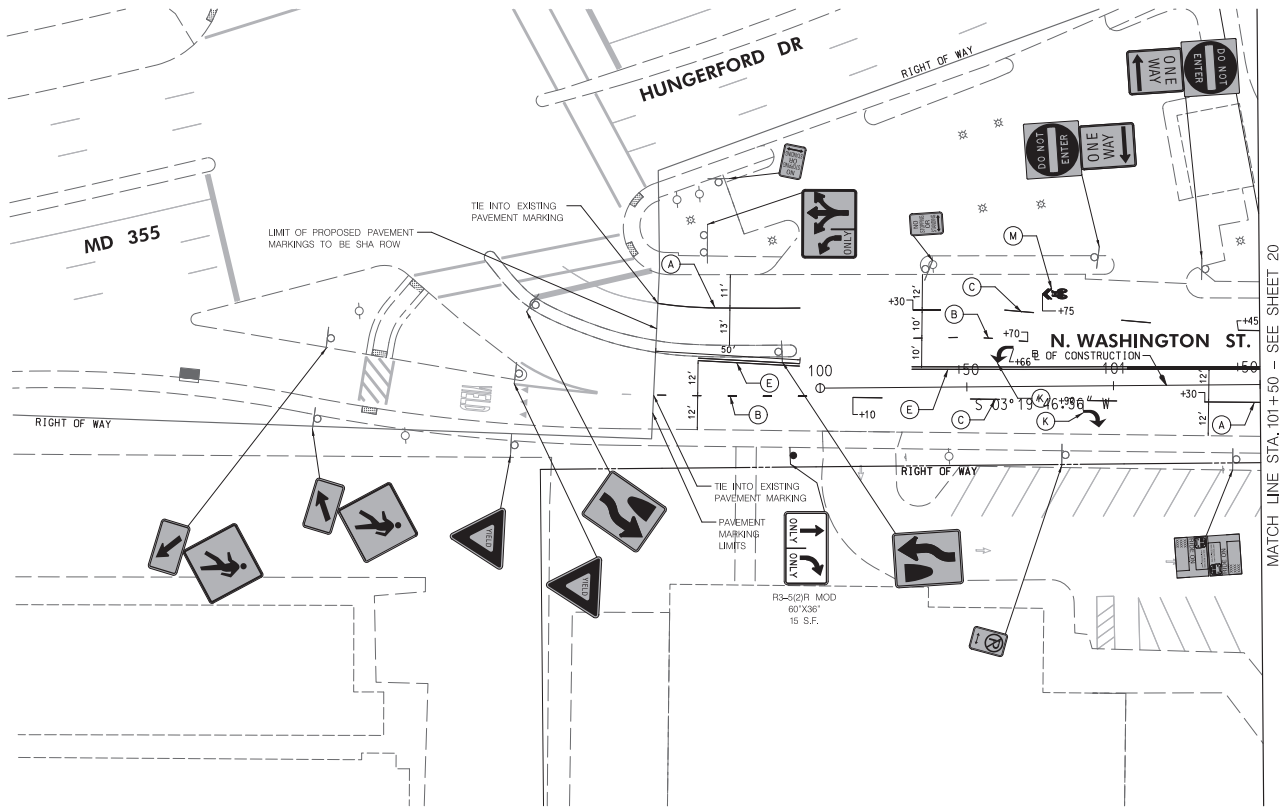


DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE

 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	
	DRAFTED _____ CHECKED _____	Craig L. Simoneau 2022.04.19 17:31:41+05'00' DIRECTOR OF PUBLIC WORKS	PM# <u>PM2022-00045</u> SCP# _____ SMP# _____ REVIEWED BY _____ APPROVAL DATE _____	_____ CHEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE _____	DATE SUBMITTED: APRIL 2022 IFB	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL SCALE 1"=50' SHEET NO. <u>18</u> OF <u>37</u>



- 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 PREFORMED THERMOPLASTIC.
 4. STOP LINE SHALL BE 24 INCH WIDE HEAT APPLIED PREFORMED 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.



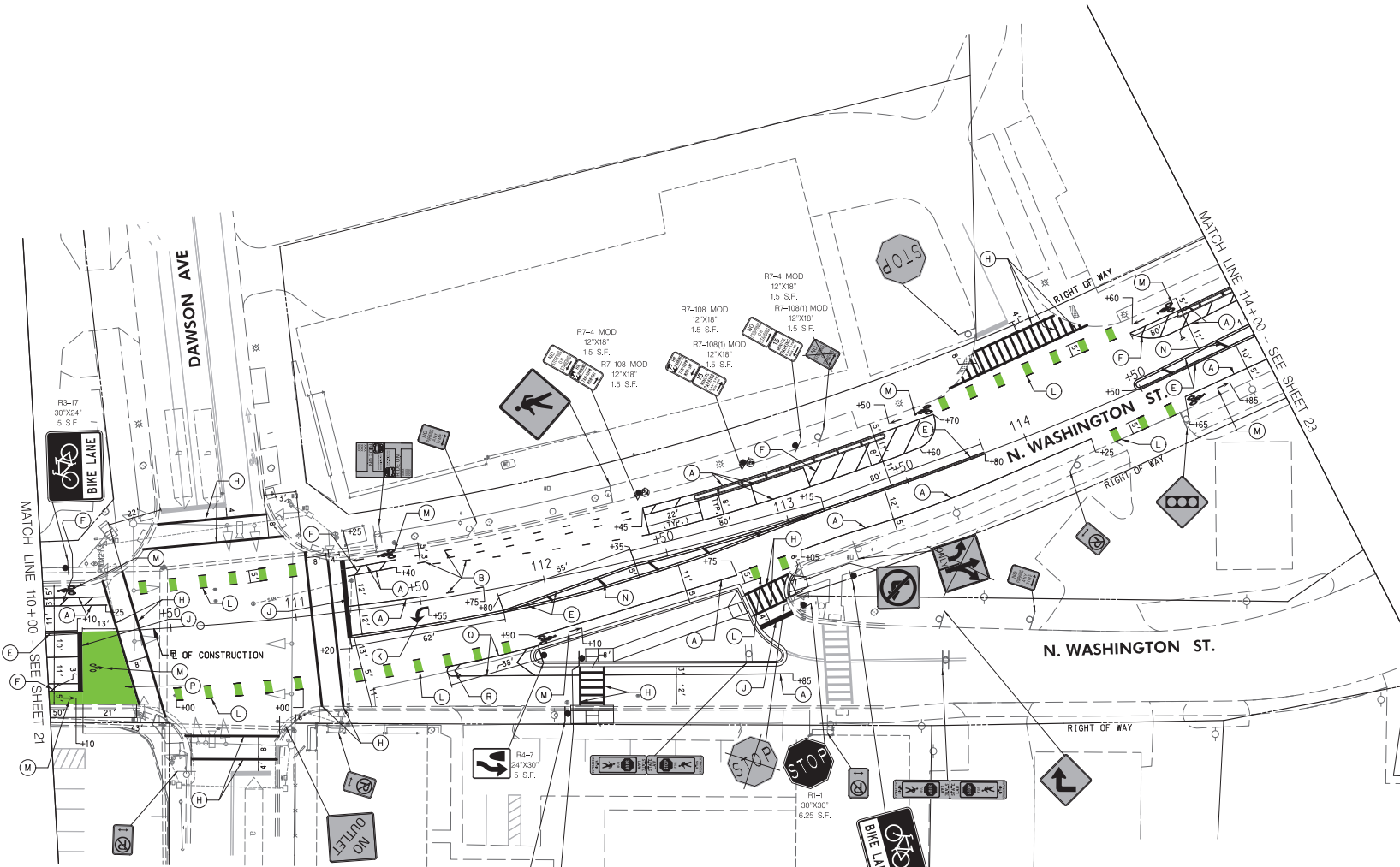
LEGEND	
	PROPOSED SIGN
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING
	5' DASHED YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING
	5' SOLID DOUBLE YELLOW THERMOPLASTIC 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 PREFORMED PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	24' SOLID WHITE HEAT APPLIED PERMANENT PREFORMED 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°)

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1100 N. WASHINGTON ST., SUITE 200
ROCKVILLE, MD 20854
TEL: 301.251.1000
WWW.WALLACEMONTGOMERY.COM

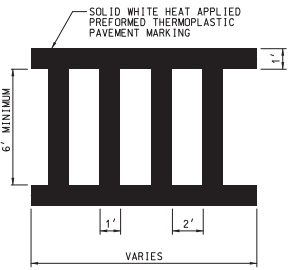
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 24 HOURS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



<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 17:31:42+04'00'	AS BUILT PLAN APPROVAL _____ _____	SIGNING AND PAVEMENT MARKING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022	SCALE 1"=20'	SHEET NO. 19 OF 37	FILE #	
	DIRECTOR OF PUBLIC WORKS	APPROVAL DATE	REVIEWED BY _____	CHIEF, CONSTRUCTION MANAGEMENT	APPROVAL DATE	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	DATE	P.E. INITIAL	DATE	DFW



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



CROSSWALK PAVEMENT MARKING DETAIL
NOT TO SCALE

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Fax: 301-460-7001
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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
 17:31:45-04'00"
 DIRECTOR OF PUBLIC WORKS APPROVAL DATE

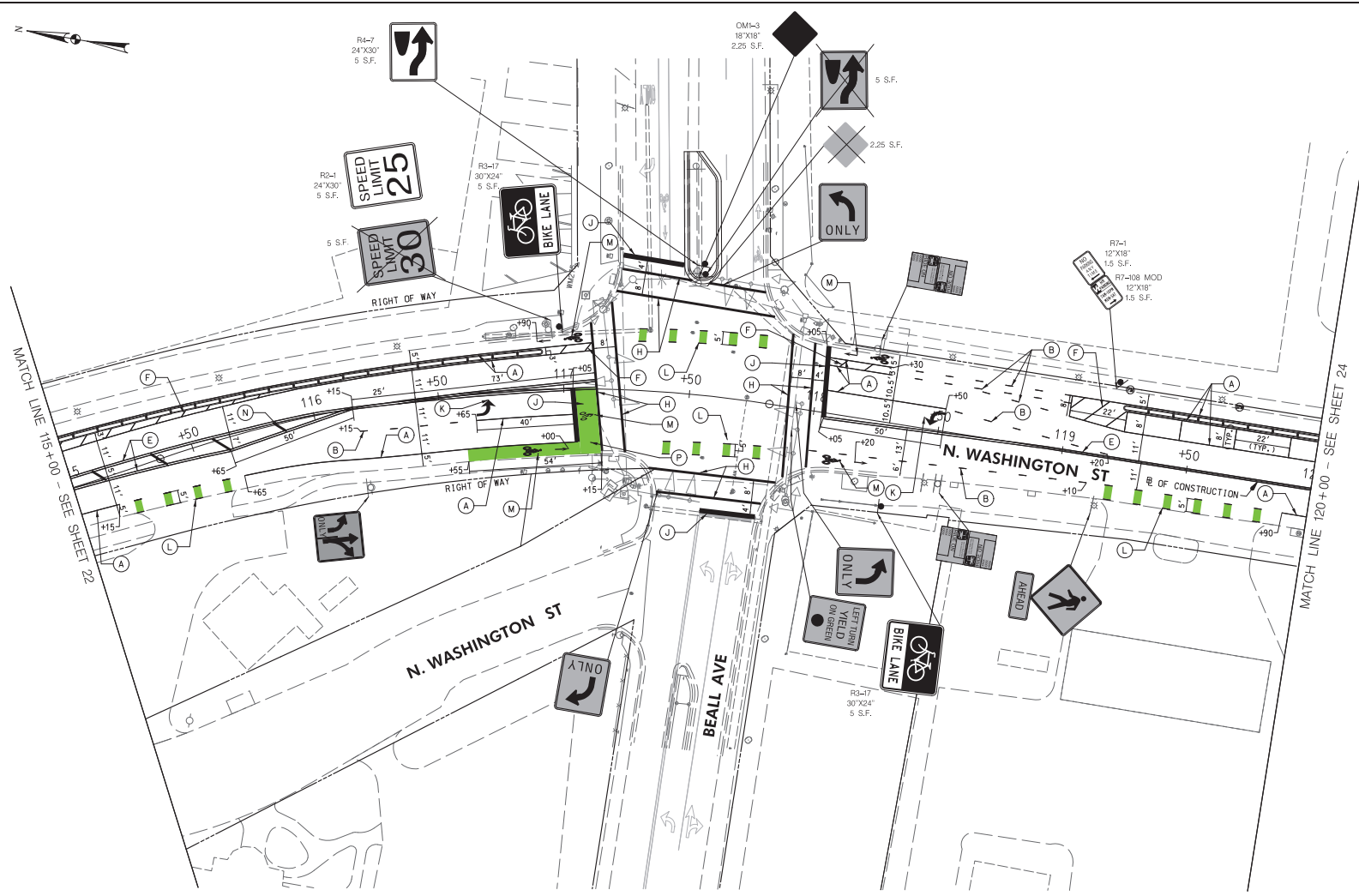
AS BUILT PLAN APPROVAL

 CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE

SIGNING AND PAVEMENT MARKING PLAN

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

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



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

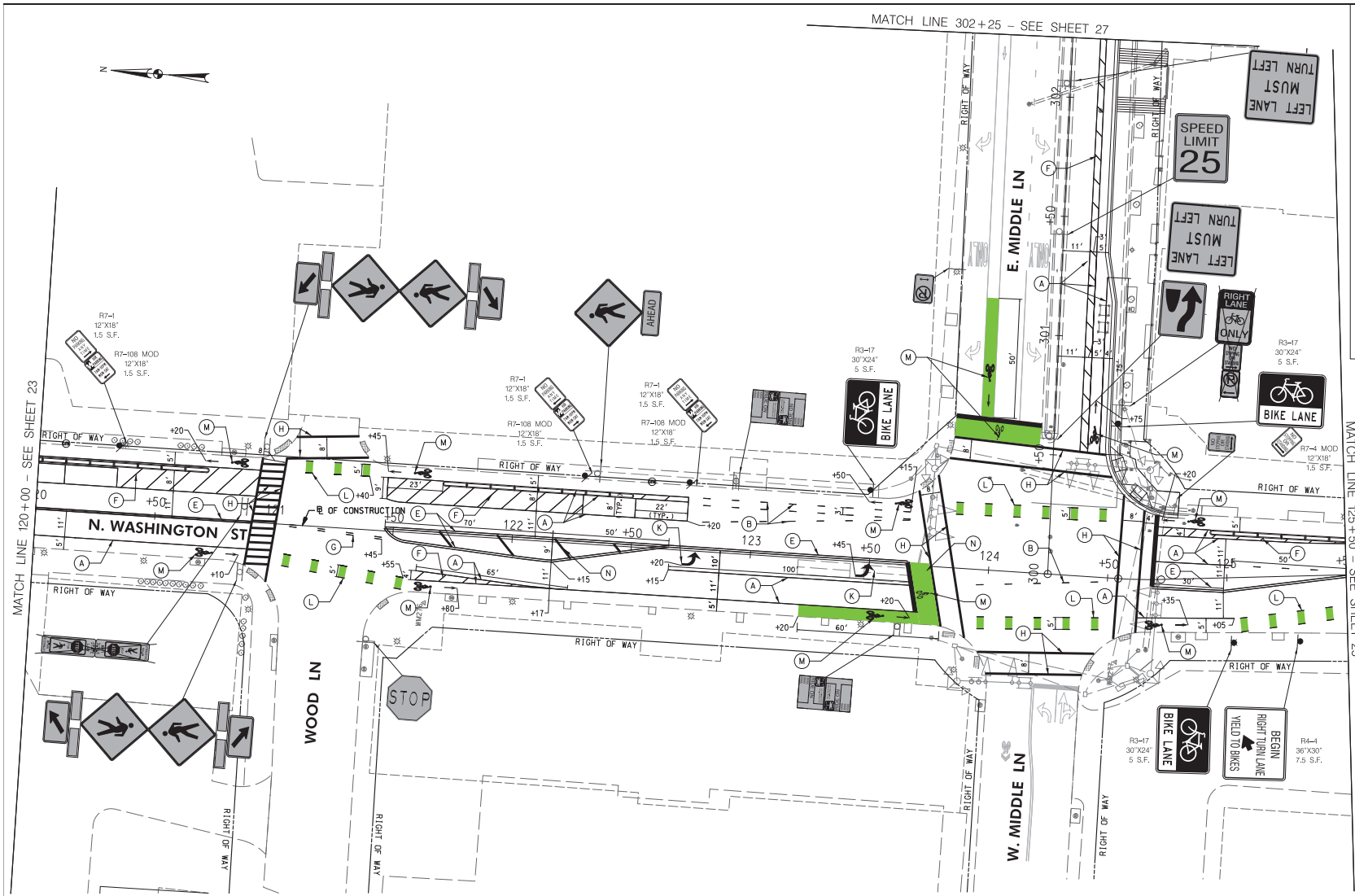
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 www.wallacemontgomery.com

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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. Simonow 2022.04.19 17:31:45-04:00 SMP# _____ SCP# _____ APPROVAL DATE _____	AS BUILT PLAN APPROVAL _____ REVIEWED BY _____ _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	SIGNING AND PAVEMENT MARKING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE SUBMITTED: MARCH 2022 IFB	SCALE 1"=20'	SHEET NO. <u>23</u> OF <u>37</u>	FILE # _____
	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL								
	DATE: 03-30-2022								

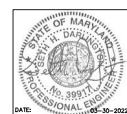


LEGEND

	PROPOSED SIGN		5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3 LINE, 3 SPACE)
	EXISTING SIGN TO REMAIN		12' SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	EXISTING SIGN TO BE REMOVED		24' SOLID WHITE HEAT APPLIED PERMANENT PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING		WHITE HEAT APPLIED PERFORMED THERMOPLASTIC PAVEMENT MARKING SYMBOLS AND LEGENDS
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)		BIKE LANE GREEN DASHED THERMOPLASTIC PAVEMENT MARKING (3 LINE, 9 SPACE)
	5' DASHED WHITE THERMOPLASTIC PAVEMENT MARKING (10 LINE, 30 SPACE)		SEE BICYCLE LANE PAVEMENT MARKING DETAIL (SHEET 38)
	5' SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING		10' SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25 AT 45°)
	5' SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING		BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10 AT 45°)		10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	5' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 10 AT 45°)		10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (SPACED 25 AT 45°)

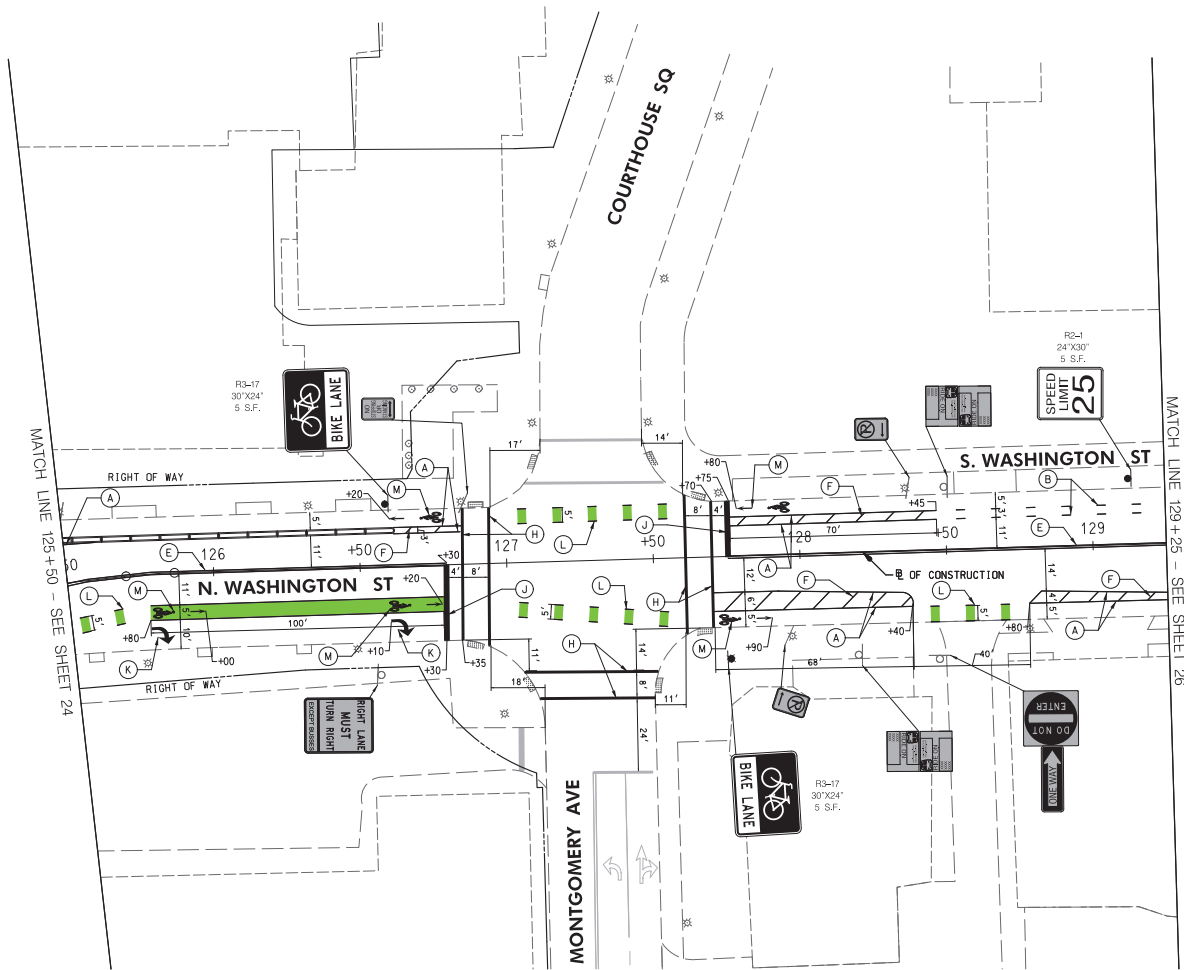
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 ENGINEERS, ARCHITECTS & PLANNERS
 1100 Rockville Pike, Suite 200
 Rockville, MD 20854
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DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

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



MATCH LINE 125+90 - SEE SHEET 24

MATCH LINE 129+25 - SEE SHEET 26

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°)
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	24' SOLID WHITE HEAT APPLIED PERMANENT 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)
	BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE BOX)
	10' SOLID YELLOW LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKING (SPACED 25' AT 45°)
	BIKE LANE GREEN THERMOPLASTIC PAVEMENT MARKING
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING
	10' SOLID WHITE THERMOPLASTIC PAVEMENT MARKING (CHEVRON) (SPACED 25' AT 45°)

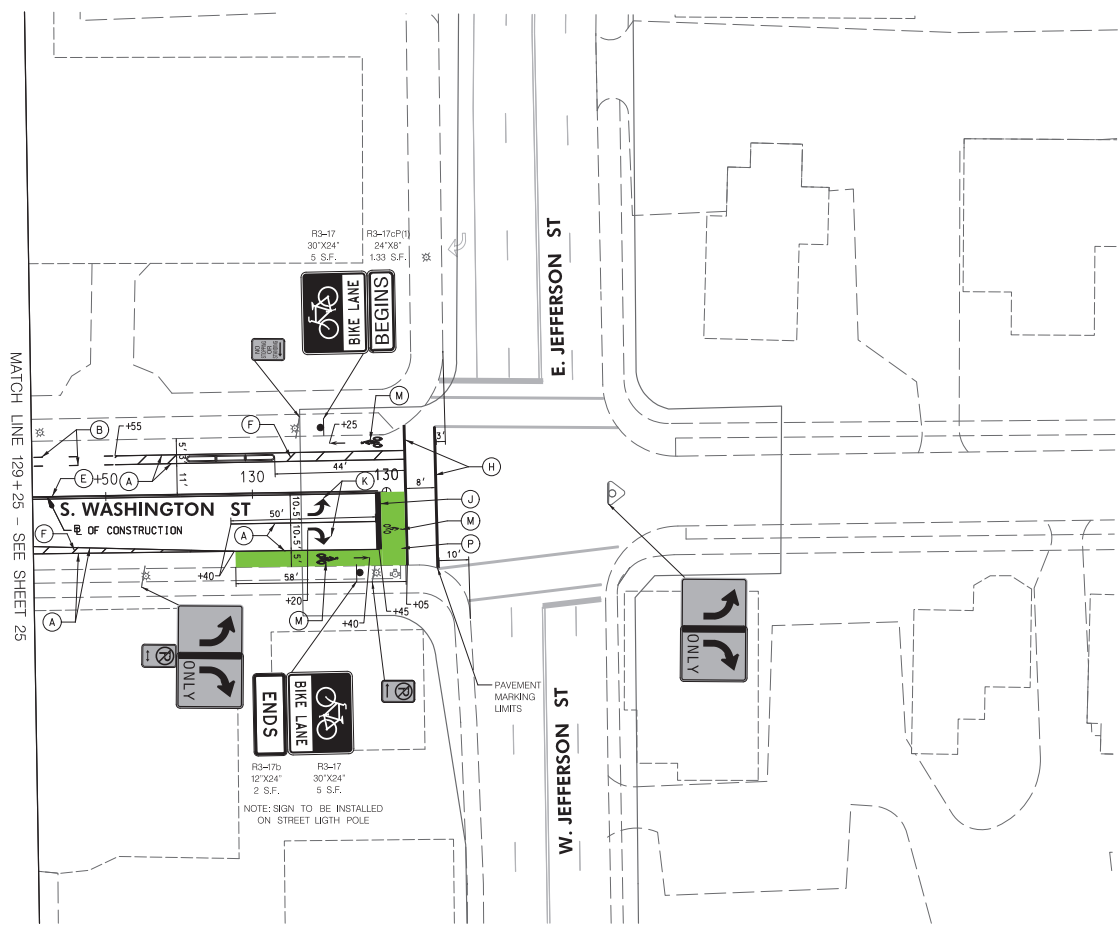
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 1100 North Rockville Road
 Rockville, MD 20850
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DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

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

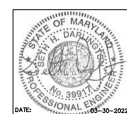


LEGEND

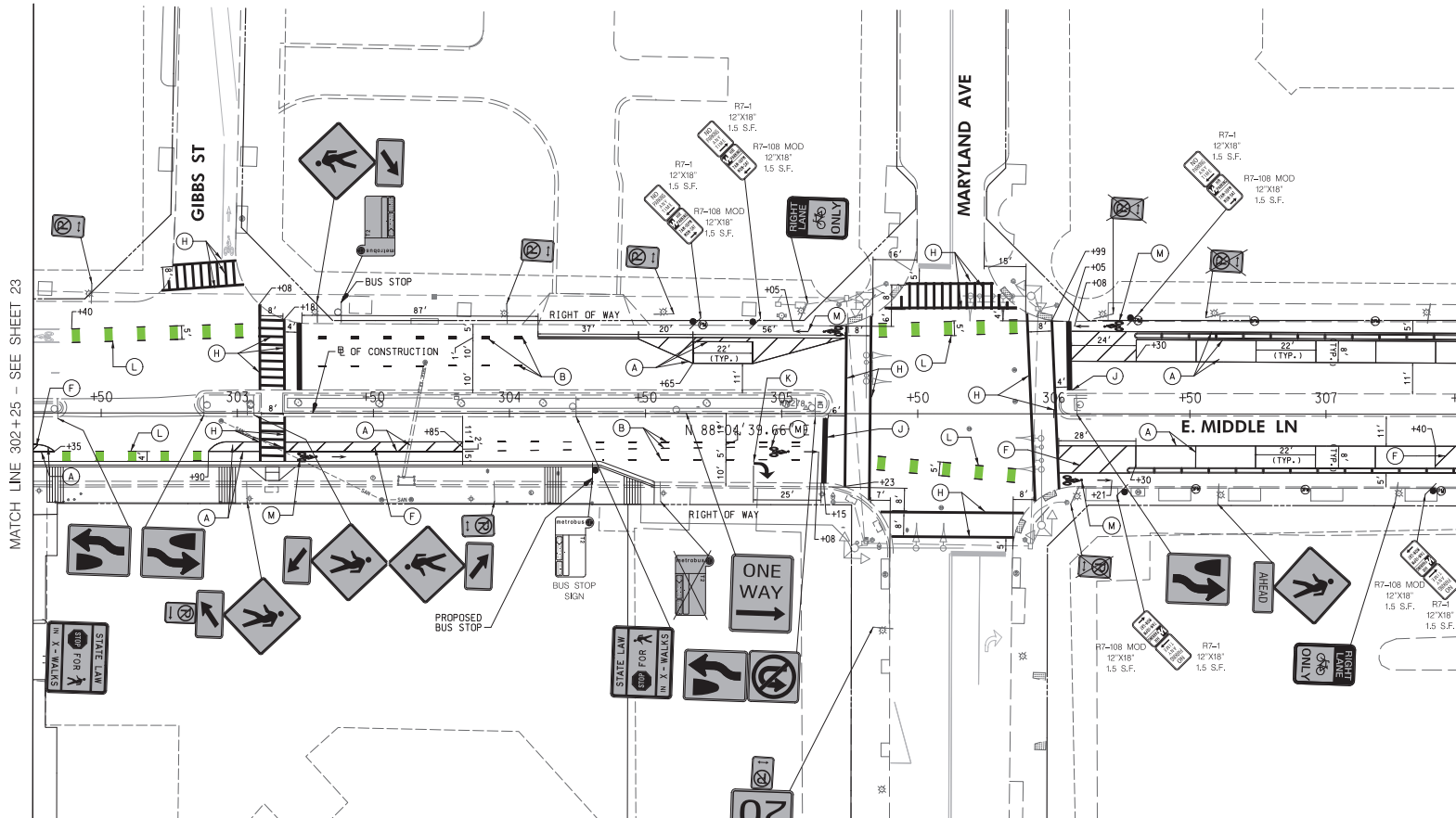
	PROPOSED SIGN		5' DASHED DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING (3' LINE, 3' SPACE)
	EXISTING SIGN TO REMAIN		12" SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (CROSSWALK)
	EXISTING SIGN TO BE REMOVED		24" SOLID WHITE HEAT APPLIED PATTERNED REFLECTIVE PAVEMENT MARKING (STOP BAR)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

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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 17:31:49:04:00	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 SCALE: 1"=20' SHEET NO. 26 OF 37 FILE # _____		APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL		



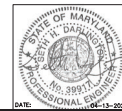
MATCH LINE 302+25 - SEE SHEET 23

MATCH LINE 307+50 - SEE SHEET 28

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



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



APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

DATE SUBMITTED:	SCALE	SHEET	FILE #
APRIL 2022	1"=20'	NO. 27	
IFB		OF 37	



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

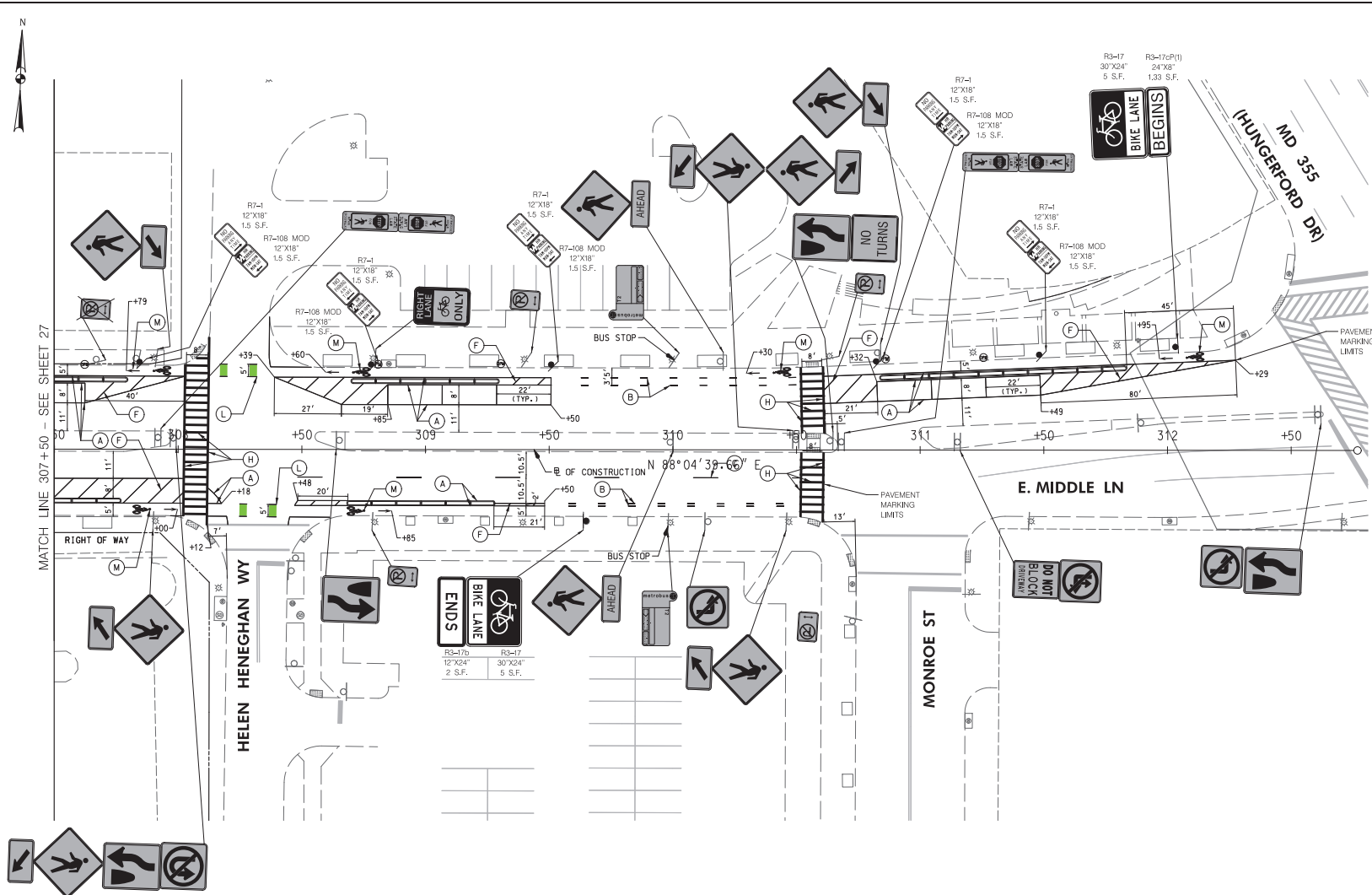
DESIGNED: _____ DRAFTED: _____ CHECKED: _____

DESIGN PLAN APPROVAL: [Signature] Craig L. Simonneau 2022.04.19 17:31:49-04'00' P#K #_EM2022-00045 SCP# _____ REVIEWED BY: _____ SMP# _____ APPROVAL DATE: _____

AS BUILT PLAN APPROVAL: _____ CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE: _____

SIGNING AND PAVEMENT MARKING PLAN

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



LEGEND

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

WALLACE MONTGOMERY
 ENGINEERS & ARCHITECTS
 1100 W. MONROE ST. SUITE 200
 ROCKVILLE, MD 20854
 (301) 584-1100
 WWW.WALLACEMONTGOMERY.COM

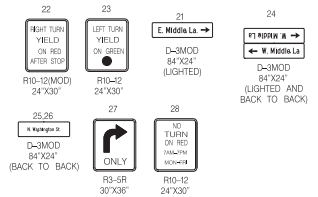
BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-251-7777 FOR 8 HOURS FROM THE COMMENCING



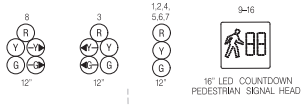
 DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:21:51+04'00' DIRECTOR OF PUBLIC WORKS APPROVAL DATE	AS BUILT PLAN APPROVAL _____ CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE	SIGNING AND PAVEMENT MARKING PLAN	NORTH WASHINGTON STREET AND EAST MIDDLE LANE ROAD DIET PROJECT Election District No. 2 City of Rockville, Maryland	DATE SUBMITTED: APRIL 2022 DATE: _____ APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	SCALE: 1"=20' SHEET NO. 28 OF 37	FILE # _____
	DESCRIPTION OF REVISION _____ P.E. INITIAL DATE DFW DATE		DATE SUBMITTED: APRIL 2022 DATE: _____		IFB	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL	SCALE: 1"=20' SHEET NO. 28 OF 37	FILE # _____

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

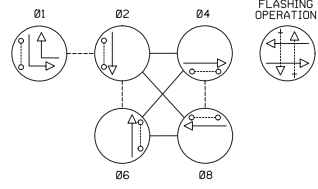
EXISTING SIGNS TO REMAIN



EXISTING SIGNALS TO REMAIN



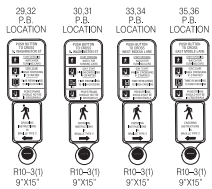
NEMA PHASING



FLASHING OPERATION

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

EXISTING SIGNS TO BE REPLACED



W. MIDDLE LN

E. MIDDLE LN

N. WASHINGTON ST.

CONSTRUCTION DETAILS

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

GEOMETRIC LEGEND

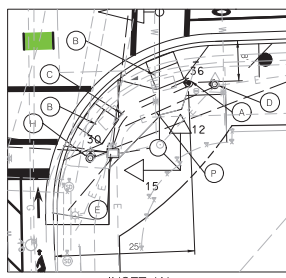
— — — — — EXISTING
 - - - - - PROPOSED

UTILITY LEGEND

— — — — — STORM DRAIN
 - - - - - GAS MAIN
 - - - - - WATER MAIN
 - - - - - SEWER MAIN
 - - - - - ELEC CABLES UG
 - - - - - ELEC CABLES OH
 - - - - - TELE CABLES UG
 - - - - - TELE CABLES OH
 - - - - - FIBER-OPTIC UG
 - - - - - FIBER-OPTIC OH

WALLACE MONTGOMERY
 BEFORE BEGINNING CONSTRUCTION
 CONTACT
 "MISS UTILITY"
 WWW.MISSUTILITY.NET
 OR
 1-800-255-7777
 FOR 811
 AT LEAST 48 HOURS
 PRIOR TO CONSTRUCTION

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



INSET 'A'
SCALE: 1" = 10'

GENERAL NOTES

1. FOR LOCATION OF CITY WATER AND SEWER CALL "CITY UTILITIES SUPERINTENDENT" AT 240-314-9567 AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
2. FOR LOCATION OF UTILITIES CALL 1-800-257-7777 OR LOG ON TO <http://www.mtmcguff11ty.net/11ty/> 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY.
3. THE CONTRACTOR MUST SUBMIT CUT SHEET PROPOSALS FOR ALL FURNISHED ITEMS TO THE CITY OF ROCKVILLE FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT.
4. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
5. THE PAVEMENT MARKINGS SHOWN ON THIS PLAN SHALL BE INSTALLED IN ACCORDANCE WITH MDT SHA STANDARDS. SEE SIGNING AND PAVEMENT MARKING PLAN FOR DETAIL SHEET 241.
6. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL WORK, UNLESS OTHERWISE DIRECTED BY THE CITY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL STONED CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
8. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
9. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CUSSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 818-02, MD 818-01, MD 818-02, MD 818-04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
10. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A MINIMUM 48"X48" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
11. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
12. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND R10-4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE." IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED FROM THE CITY.
13. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL UNUSED CABLES FROM THE EXISTING CONDUITS AT NO CHARGE TO THE CITY.
14. GROUT ALL NEW CONDUITS THAT EXTEND INTO EXISTING HANDHOLES TO FILL GAP BETWEEN WALL OF HANDHOLE.
15. ALL NEW DETECTABLE WARNING SURFACES SHALL BE CAST-IN-PLACE CONCRETE PER STD. MD 655.40.
16. SEE SPECIAL PROVISIONS FOR MAINTENANCE OF TRAFFIC SPECIFICATIONS. ONE (1) PEDESTRIAN CROSSING ALONG EACH ROADWAY SHALL BE MAINTAINED AT ALL TIMES.
17. ALL DIMENSIONS TO PROPOSED SIGNAL POLES/PEDESTALS ARE FROM FACE OF CURB TO CENTER OF PROPOSED POLE/PEDESTAL.
18. CONTRACTOR SHALL REPLACE ANY REMOVED OR DAMAGED BRICKS. CONTRACTOR SHALL INVENTORY BRICK PATTERN AND ELEVATIONS PRIOR TO REMOVAL IN ORDER TO REBUILD IN-KIND.

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

DESIGNED: _____
 DRAFTED: _____
 CHECKED: _____

DESIGN PLAN APPROVAL
 Craig L. Simoneau
 2022.04.19
 17:21:52-04'00"

AS BUILT PLAN APPROVAL

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

DESCRIPTION OF REVISION	P.E. INITIAL	DATE	DPW	DATE

DATE SUBMITTED: MARCH 2022
 DATE: 03-30-2022

NORTH WASHINGTON STREET @ EAST MIDDLE LANE
 Election District No. 2 City of Rockville, Maryland

SCALE: 1" = 20'
 SHEET NO. 29 OF 37
 FILE # _____

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

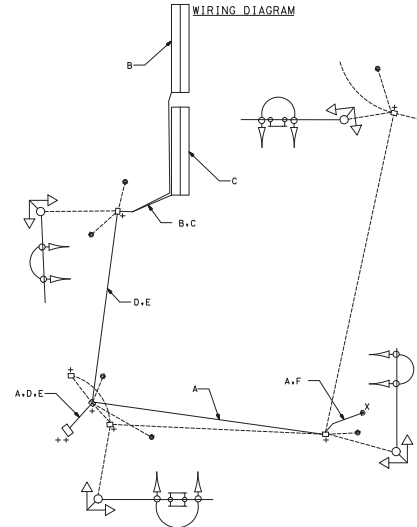
SPEC. NUMBER	DESCRIPTION	QUANTITY
	NONE	

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	DW DW	
PED CLEARANCE	G	G	G	G	R	R	R	R	FLDWFLOW	FLDWFLOW	DW DW	DW DW	DW DW	
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	DW DW	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	DW DW	
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	DW DW	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	WK WK	
PED CLEARANCE	R	R	R	R	G	G	G	G	DW DW	DW DW	FLDWFLOW	FLDWFLOW	FLDWFLOW	
4 AND 8 ALT CHANGE	R	R	R	R	Y	Y	Y	Y	DW DW	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	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.)
- +

WALLACE MONTGOMERY
CONSULTANTS
1100 N. GREENSBORO RD.
SUITE 200
ROCKVILLE, MD 20850
TEL: 301-581-1100
FAX: 301-581-1101
WWW.WMCONSULTANTS.COM

BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-2777 FOR 24 HOURS AT LEAST 48 HOURS PRIOR TO EXCAVATION.



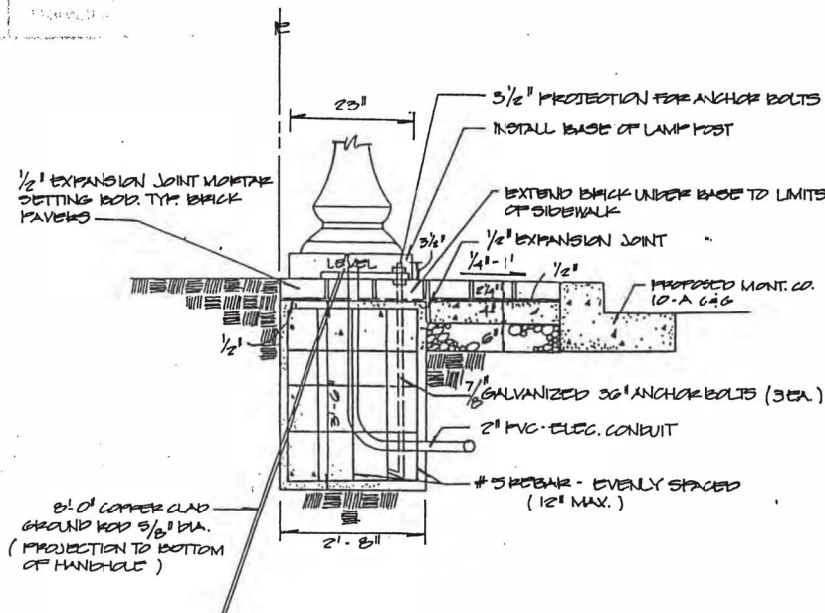
<p>DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND</p>	DESIGNED _____ DRAFTED _____ CHECKED _____	DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:21:53-04'00"	AS BUILT PLAN APPROVAL _____ _____	GENERAL INFORMATION _____	NORTH WASHINGTON STREET @ EAST MIDDLE LANE ELECTION DISTRICT NO. 4 CITY OF ROCKVILLE, MARYLAND	DATE SUBMITTED: APRIL 2022 APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DESCRIPTION OF REVISION P.E. INITIAL DATE DFW DATE	SCALE SEE ABOVE SHEET NO. 30 OF 37 FILE # _____
	DIRECTOR OF PUBLIC WORKS APPROVAL DATE _____	PK# #_P#M2022-00045 SCP# _____ REVIEWED BY _____ SNP# _____	CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____	APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL DATE: 04-13-2022	DATE: 04-13-2022	DATE: 04-13-2022	DATE: 04-13-2022

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

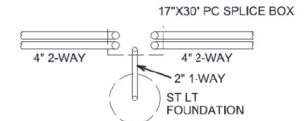
- TELEPHONE CONDUIT - 3" CONCRETE OR 12" EARTH.
- GAS AND OIL MAINS - 12" EARTH.
- GAS PIPES 16" OR LARGER REQUIRES 18" OF EARTH.
- WSSC WATER AND SEWER - 5' OUT TO OUT HORIZONTAL AND 1' VERTICAL (CROSSING).
- D.C. WATER AND SEWER - 4' OUT TO OUT HORIZONTAL AND 1' VERTICAL (CROSSING).
- STORM DRAINS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

STREETLIGHT CONDUIT INSTALLATION CHECKLIST

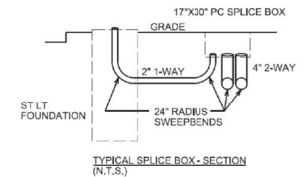
- 2 (TWO) - 4" (FOUR) INCH, SCHEDULE 40, PVC CONDUIT TO BE INSTALLED BY THE CONTRACTOR CONNECTING EACH SPLICEBOX IN A CONTINUOUS RUN.
- 1 (ONE) - 2" (TWO) INCH, SCHEDULE 40, PVC CONDUIT TO BE INSTALLED BY THE CONTRACTOR CONNECTING SPLICEBOX TO THE STREETLIGHT FOOTING.
- CONTRACTOR TO PROVIDE AND INSTALL PROTOCELLS FOR EACH STREETLIGHT LUMINAIRE STREETLIGHT AND POST ERRECTED BY THE CONTRACTOR ARE TO BE WIRED WITH #10 AWG (MIN) COPPER WITH A THREE-FOOT LOOP OF SLACK IN THE SPLICEBOX FOR ATTACHMENT BY PEPCO.
- STREETLIGHT POSTS ARE TO HAVE A GROUNDING LUG ATTACHED TO THE BASE OF THE POST WITH A MINIMUM THREE FOOT LOOP OF SLACK IN THE SPLICEBOX OF #6 AWG BARE COPPER WIRE ATTACHED.
- ALL SWEEPBENDS TO BE A MINIMUM OF 24 INCHES RADIUS
- 1/4" NYLON PULL-LINE IS TO BE INSTALLED IN EACH CONDUIT DUCT
- CONTRACTOR TO INSTALL MARKING TAPE ONE FOOT (1') ABOVE EACH CONDUIT RUN.
- NO MORE THAN 270 DEGREES OF BENDS IN A CONDUIT RUN.
- CONDUIT IS TO HAVE THREE (3) FEET (MINIMUM) COVER OVER IT.
- INSTALLATION OF ALL UNDERGROUND LIGHTING FACILITIES ARE ALSO SUBJECT TO PEPCO INSPECTION AND WRITTEN APPROVAL BEFORE CONCEALMENT. FAILURE TO OBTAIN SUCH INSPECTION WILL RESULT IN THE UNCOVERING OF FACILITIES AT THE CONTRACTOR'S EXPENSE. CALL 301-670-8808 OR 301-670-8828 7:00 TO 9:00 AM OR 3:00 TO 4:00 PM TWO WORKING DAYS IN ADVANCE TO ARRANGE INSPECTION.
- ALL STREETLIGHT EQUIPMENT AND MATERIALS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO BEING INSTALLED ON THE PROJECT. SEE TECHNICAL SPECIFICATIONS FOR STREETLIGHT SPECIFICATIONS.
- ALL STREETLIGHTS SHALL BE INSTALLED 2'-6" BEHIND THE FACE OF CURB (UNLESS AS NOTED ON THE PLANS).
- CONTRACTOR FURNISHED EQUIPMENT NOTES:
 PEPCO TO PROVIDE ENERGY AND CABLING
 CONTRACTOR SHALL PROVIDE LUMINAIRES (RELOCATED FROM EXISTING), POLES (RELOCATED FROM EXISTING), PHOTOCELLS, FOOTINGS AND CONDUIT
 CONTRACTOR TO PROVIDE CONDUIT AS REQUESTED BY PEPCO
 REFER TO CONDUIT CHECKLIST FOR ADDITIONAL INFORMATION.



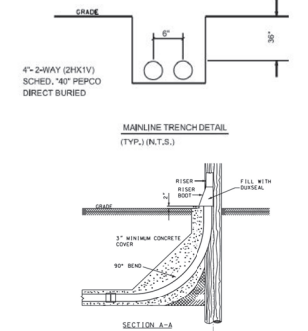
TYPICAL STREET LIGHT FOUNDATION
ROCKVILLE DETAIL 81



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



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



NOTES:
 1. CONDUIT DEPARTMENT WILL PULL OUT IF RISER IS NOT INSTALLED IMMEDIATELY.
 2. GROUNDING OF SECTIONS CONTRACTOR RESPONSIBILITY PER THE FOOT OF A
 3. SEE PAGE 2 FOR ACCEPTABLE SWEEP BEND INSTALLATION.

WALLACE MONTGOMERY
 CONSULTANTS, INC.
 1100 NORTH EAST STREET
 ROCKVILLE, MD 20850
 BEFORE BEGINNING CONSTRUCTION CONTACT "MISS UTILITY" WWW.MISSUTILITY.NET OR 1-800-257-7777 FOR 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'
 DIR. OF PUBLIC WORKS APPROVAL DATE _____

AS BUILT PLAN APPROVAL

 CHIEF, CONSTRUCTION MANAGEMENT APPROVAL DATE _____

LIGHTING DETAILS
 AND NOTES

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



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

EROSION AND SEDIMENT CONTROL NOTES: (NOV 2016)

- 1. THE APPLICANT MUST OBTAIN INSPECTION AND APPROVAL BY THE CITY OF ROCKVILLE DEPARTMENT OF PUBLIC WORKS (DPW) AT THE FOLLOWING POINTS:
A. AT THE REQUIRED PRECONSTRUCTION MEETINGS.
B. FOLLOWING INSTALLATION OF SEDIMENT CONTROL MEASURES AND PRIOR TO ANY OTHER LAND DISTURBING ACTIVITY.
C. DURING THE CONSTRUCTION OF SEDIMENT BASIN OR STORMWATER MANAGEMENT STRUCTURE AT THE REQUIRED INSPECTION POINTS (SEE INSPECTION CHECKLIST ON PLAN). NOTIFICATION PRIOR TO COMMENCING CONSTRUCTION IS MANDATORY.
D. PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL DEVICES.
E. PRIOR TO FINAL ACCEPTANCE.
2. ALL EROSION CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH APPLICABLE PUBLISHED STANDARDS AND SPECIFICATIONS AND THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. THE APPLICANT SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AND CONSTRUCTION SEQUENCE. SHALL HAVE THEM INSPECTED AND APPROVED BY DPW PRIOR TO BEGINNING ANY OTHER LAND DISTURBANCES. SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURES WITHOUT PRIOR PERMISSION FROM DPW.
4. ANY REQUEST FOR CHANGES TO THE APPROVED SEDIMENT CONTROL PLAN OR SEQUENCE OF CONSTRUCTION MUST BE SUBMITTED TO THE DPW SEDIMENT CONTROL INSPECTOR AND APPROVED BEFORE IMPLEMENTING CHANGES. MAJOR CHANGES WILL REQUIRE A PLAN REVISION.
5. THE APPLICANT SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ONTO TRAVELLED PUBLIC THROUGHWAYS. ALL MATERIALS DEPOSITED ONTO PUBLIC THROUGHWAYS (S) SHALL BE REMOVED IMMEDIATELY.
6. THE APPLICANT SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIME AS THEY ARE REMOVED WITH PRIOR PERMISSION FROM THE DPW SEDIMENT CONTROL INSPECTOR.
7. ALL SEDIMENT BASINS, TRAP EMBRANKMENTS, SHALES, PERMEABLE DIKES AND PERMANENT SLOPES STEEPER OR EQUAL TO 3:1 SHALL BE STABILIZED WITH SO2, SEED AND ANCHORED STRAW MULCH OR OTHER APPROVED STABILIZATION MEASURES. WITHIN SEVEN CALENDAR DAYS OF ESTABLISHMENT, ALL AREAS DISTURBED OUTSIDE OF THE PERMEABLE SEDIMENT CONTROL DEVICES SHALL BE STABILIZED IMMEDIATELY. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. RESTABILIZATION OR OVERSEEDING WILL BE REQUIRED, IF NECESSARY.
8. THE APPLICANT SHALL APPLY SO2, SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS WITHIN SEVEN (7) CALENDAR DAYS AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED ON THAT AREA. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. OTHER ACTIVE CONSTRUCTION AREAS THAT ARE NOT BEING ACTIVELY GRADED (I.E., ROUTES FOR CONSTRUCTION VEHICLES) MAY BE DEFERRED TO BE STABILIZED AT THE DISCRETION OF THE SEDIMENT CONTROL INSPECTOR. STOCKPILES, WHICH HAVE NOT BEEN USED FOR SEVEN (7) CALENDAR DATES SHALL BE STABILIZED THROUGH THE APPLICATION OF SO2, SEED, AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION METHODS.
9. PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, THE APPLICANT SHALL STABILIZE ALL CONTRIBUTORY DISTURBED AREA USING SO2 OR AN APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS AND AN APPROVED ANCHORED MULCH. WOOD FIBER MULCH MAY ONLY BE USED IN SEEDING SCENARIOS TO PROMOTE SHEET FLOW DRAINAGE. AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED WITHIN SEVEN (7) CALENDAR DAYS OF ESTABLISHMENT. WHEN PROPERTY IS BROUGHT TO FINISHED GRADE DURING THE MONTHS OF NOVEMBER THROUGH FEBRUARY, STABILIZATION IS FOUND TO BE IMPRACTICAL. APPROVED TEMPORARY SEED AND STRAW ANCHORED MULCH SHALL BE APPLIED TO DISTURBED AREAS. THE FINAL PERMANENT STABILIZATION OF SUCH PROPERTY SHALL BE COMPLETED PRIOR TO THE FOLLOWING APRIL 15.
10. THE SITE WORK MATERIALS, APPROVED SEDIMENT CONTROL AND STORMWATER MANAGEMENT PLANS, AND ANY REQUIRED TEST REPORTS SHALL BE AVAILABLE, AT THE SITE FOR INSPECTION BY AUTHORIZED OFFICIALS OF THE CITY OF ROCKVILLE.
11. SURFACE DRAINAGE FLOWS OVER UNSTABILIZED CUT AND FILL SLOPES SHALL BE CONTROLLED BY EITHER PERMITTING DRAINAGE FLOWS FROM TRAVERSING THE SLOPES OR BY INSTALLING MECHANICAL DEVICES TO LOWER THE WATER CONCENTRATION WITHOUT CAUSING EROSION. DIKES SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF CUT OR FILL SLOPES UNTIL THE SLOPE AND DRAINAGE AREA TO IT ARE FULLY STABILIZED, AT WHICH TIME THEY MUST BE REMOVED AND FINAL GRADING DONE TO PROMOTE SHEET FLOW DRAINAGE. MECHANICAL DEVICES MUST BE PROVIDED AT POINTS OF CONCENTRATED FLOW WHERE EROSION IS LIKELY TO OCCUR.
12. PERMANENT SHALES OR OTHER POINTS OF CONCENTRATED WATER FLOW SHALL BE STABILIZED WITH SO2 OR SEED WITH APPROVED EROSION CONTROL MATTING OR BY OTHER APPROVED STABILIZATION MEASURES.
13. TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED, WITH PERMISSION OF DPW, WITHIN 30 CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. IF ESTABLISHMENT IS NOT FULL AND UNIFORM AS DETERMINED BY THE DPW SEDIMENT CONTROL INSPECTOR, OVERSEEDING WILL BE REQUIRED. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL.
14. NO PERMANENT CUT OR FILL SLOPE WITH A GRADE/STEEPER THAN 3:1 WILL BE PERMITTED IN LAWN MAINTENANCE AREAS, A SLOPE GRADIENT OF UP TO 2:1 WILL BE PERMITTED IN AREAS THAT ARE NOT TO BE MAINTAINED PROVIDED THAT THOSE AREAS ARE INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN WITH A LOW-MAINTENANCE GRASS COVER SPECIFIED FOR PERMANENT STABILIZATION. SLOPE GRADIENT STEEPER THAN 2:1 WILL NOT BE PERMITTED WITH VEGETATIVE STABILIZATION.
15. THE APPLICANT SHALL INSTALL A SLOSH BLOCK AT THE BOTTOM OF EACH DOWNSPOUT UNLESS THE DOWNSPOUT IS CONNECTED BY A DRAIN LINE TO AN ACCEPTABLE OUTLET.
16. ALL WATER PUMPED FROM AN EXCAVATION DURING CONSTRUCTION SHALL BE PUMPED EITHER TO SEDIMENT TANKS AND/OR SEDIMENT TRAPS. NO WATER WILL BE PUMPED TO THE STORM DRAIN SYSTEM OR SWALE. DE-WATERING SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
17. FOR FINISHED GRADING, THE APPLICANT SHALL PROVIDE ADEQUATE GRADIENTS SO AS TO: (1) PREVENT WATER FROM STANDING ON THE SURFACE OF LANS MORE THAN 24 HOURS AFTER THE END OF A RAINFALL, EXCEPT IN DESIGNATED DRAINAGE COURSES AND SWALE FLOW AREAS WHICH MAY DRAIN AS LONG AS 48 HOURS AFTER THE END OF A RAINFALL; AND (2) PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS OR GRINDENS.
18. SEDIMENT TRAPS OR BASINS ARE NOT PERMITTED WITHIN 20-FEET OF A SUBGRADE, WHICH EXISTS OR IS UNDER CONSTRUCTION. NO BUILDING MAY BE WITHIN 20-FEET OF A SEDIMENT TRAP OR BASIN.
19. ALL INLET IN NON-SUMP AREAS SHALL HAVE ASHALT BERMS INSTALLED AT THE TIME OF BASE PAVING TO DIRECT RUNOFF TO INLETS.
20. THE DPW SEDIMENT CONTROL INSPECTOR HAS THE OPTION OF REQUIRING ADDITIONAL SEDIMENT CONTROL MEASURES, IF DEEMED NECESSARY.
21. ALL TRAP ELEVATIONS ARE RELATIVE TO THE OUTLET ELEVATION, WHICH MUST BE ON EXISTING UNDISTURBED GROUND.
22. NO CONSTRUCTION VEHICLES SHALL BE DRIVEN WITHIN THE FOOTPRINT OF THE PERMEABLE PAVEMENT. CONTRACTOR TO STABILIZE PERMEABLE PAVEMENT AREAS AT THE END OF EACH WORK DAY.

- 23. VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
24. TEMPORARY SEDIMENT TRAPS(S) SHALL BE CLEANED OUT AND RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A POINT ONE-HALF (1/2) FEET DEPTH BETWEEN THE OUTLET CRIST AND THE BOTTOM OF THE TRAP.
25. SEDIMENT REMOVED FROM TRAPS SHALL BE PLACED AND STABILIZED IN APPROVED AREAS IN SUCH A MANNER THAT IT DOES NOT FLOW EXISTING OR PROPOSED DRAINAGE SYSTEMS OR AREAS ALREADY STABILIZED. SEDIMENT SHALL NOT BE PLACED ON ROADWAYS OR UTILITIES.
26. ALL SEDIMENT BASINS AND TRAPS MUST BE SURROUNDED WITH A WELDED WIRE SAFETY FENCE. THE FENCE MUST BE AT LEAST 42-INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THAN EIGHT-FEET, HAVE MESH OPENINGS NO GREATER THAN TWO-INCHES IN WIDTH AND FOUR-INCHES IN HEIGHT WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE MUST BE MAINTAINED IN GOOD CONDITION AT ALL TIMES.
27. OFF-SITE SPOIL OR BROWN AREAS MUST HAVE APPROVED SEDIMENT CONTROL PLANS.
28. PROTECT ALL TREES TO BE PRESERVED DURING CONSTRUCTION IN ACCORDANCE WITH THE APPROVED FOREST CONSERVATION PLAN.
29. THE APPLICANT IS RESPONSIBLE FOR ALL ACTIONS OF CONTRACTOR AND SUBCONTRACTORS, INCLUDING REPAIRING DAMAGE TO SEDIMENT CONTROL DEVICES AND EXISTING INFRASTRUCTURE.
30. THE APPLICANT SHALL COMPLY WITH ALL PROVISIONS OF THE MDS CONSTRUCTION DISCHARGE PERMIT. A COPY OF THE PERMIT AND ALL REQUIRED REPORTS SHALL BE AVAILABLE ON SITE AT ALL TIMES.

GEOTECHNICAL NOTES: (NOV 2016)

- 1. THE APPLICANT SHALL BE RESPONSIBLE FOR ALL SUBGRADE INSPECTION AND SOIL COMPACTON TESTING ASSOCIATED WITH ANY WORK WITHIN A CITY RIGHT-OF-WAY, PRIVATE PROPERTY SUBJECT TO A PUBLIC ACCESS EASEMENT, OR ANY PROPERTY SUBJECT TO A PUBLIC EASEMENT FOR PUBLIC UTILITIES IMPROVEMENTS AND/OR ANY WORK ASSOCIATED WITH A SEDIMENT CONTROL FACILITY, OR STORMWATER MANAGEMENT PRACTICE. THIS WORK SHALL BE COMPLETED BY OR UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND. THE PURPOSES OF THESE STANDARDS AND SPECIFICATIONS AND ASSOCIATED APPROVED SHALL BE REFERRED TO AS THE GEOTECHNICAL ENGINEER AND SHALL BE AN INDEPENDENT FIRM FROM THE APPLICANT.
2. ANY PLANS SUBJECT TO NRS-50 POND CODE 378 STANDARDS/SPECIFICATIONS, AS SHOWN ON THE PLANS, SHALL SUPERSEDE THESE NOTES WHEN THESE NOTES ARE LESS STRINGENT OR IN CASE OF CONFLICT. ANY REFERENCE TO THE ENGINEER 378 STANDARDS/SPECIFICATIONS ON THESE PLANS SHALL BE REFERRED TO THE DESIGN PLANS, ANY REFERENCE TO THE GEOTECHNICAL ENGINEER SHALL BE THE GEOTECHNICAL ENGINEER AS DEFINED ABOVE OR THE GEOTECHNICAL ENGINEER WHO COMPLETED CERTAIN ASPECTS OF THE POND DESIGN.
3. ALL INSPECTIONS, TESTS, SUPPORTING DATA, REPORTS, AND CERTIFICATIONS SHALL BE PROVIDED TO THE CITY OF ROCKVILLE DEPARTMENT OF PUBLIC WORKS BY THE PROFESSIONAL ENGINEER WHO STAMPED AND SEALED THE DESIGN PLANS, ANY REFERENCE TO THE CITY BY THE CITY, CAN BE PROVIDED WITHOUT BEING IMMEDIATELY SEALED BY THE GEOTECHNICAL ENGINEER. THESE REPORTS SHALL BE COMPILED, REVIEWED, SEALED AND THEN SUBMITTED TO DPW AT A LATER DATE AS AGREED UPON BY THE CITY.
4. THE GEOTECHNICAL ENGINEER SHALL APPROVE ALL FILL MATERIALS THAT ARE USED FOR THE PROJECT. THE GEOTECHNICAL ENGINEER SHALL OBTAIN SAMPLES OF PROPOSED FILL MATERIALS AND PERFORM ALL REQUIRED TESTING TO DETERMINE THAT FILL MATERIALS ARE IN CONFORMANCE WITH THIS PLAN.
5. THE GEOTECHNICAL ENGINEER SHALL PROVIDE A REPORT THAT CERTIFIES THE SUBGRADE PREPARATION AND BACKFILL/COMPACT PLACEMENT WITH THIS PLAN. THE CERTIFICATION APPLIES TO ALL FILL, BACKFILL, AND SUBGRADE OPERATIONS SUBJECT TO THIS PLAN AS DETAILED IN NOTE #1. INCLUDING UTILITY TRENCHES, WHEN CONSTRUCTING NEW ROADWAY PAVEMENT THIS CERTIFICATION REPORT SHALL BE PROVIDED PRIOR TO THE APPLICATION OF GRADED AGGREGATE BASE (GAB). ALL OTHER CERTIFICATIONS SHALL BE PROVIDED AS REQUESTED BY THE CITY.
6. ALL FILL AND/OR BACKFILL MATERIAL SHALL BE FREE FROM ORGANICS, FROZEN MATERIAL, ROCKS/STONES GREATER THAN ONE AND A HALF INCHES IN ANY DIMENSION, WASTE METAL PRODUCT, UNWIGHTLY DEBRIS, TOXIC MATERIAL, OR OTHER MATERIALS. THERE SHALL BE A MINIMUM OF FIVE PERCENT (5%) FREE OF THE MAXIMUM DRY DENSITY ACCORDING TO AASHTO T-180, METHOD C1 AND SHALL NOT HAVE A LIQUID LIMIT GREATER THAN 30 NOR A PLASTICITY INDEX GREATER THAN SIX ACCORDING TO ASTM D-4318. ALL OTHER MATERIALS SHALL MEET THE REQUIREMENTS STATED IN CATEGORY 300 OF THE LATEST EDITION OF THE MARYLAND STATE HIGHWAY ADMINISTRATION (MSHA) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.
7. COMPACT THE MATERIAL THAT IS ONE FOOT BELOW THE TOP OF SUBGRADE TO AT LEAST 92 PERCENT OF THE MAXIMUM DRY DENSITY PER AASHTO T-180. COMPACT THE TOP ONE FOOT TO AT LEAST 98 PERCENT OF THE MAXIMUM DRY DENSITY. WHEN NECESSARY, ADD WATER OR DRY THE LAYER IN ORDER TO COMPACT TO THE REQUIRED DENSITY. GENERALLY THE MATERIAL SHALL BE WITHIN TWO PERCENT OF THE OPTIMUM MOISTURE CONTENT BUT MAY BE OUTSIDE OF THIS RANGE IF APPROVED BY THE GEOTECHNICAL ENGINEER.
8. FILL AND BACKFILL MATERIALS MUST COMPLETELY FILL ALL SPACES UNDER AND ADJACENT TO THE STRUCTURE OR PIPE. FOR STORMWATER MANAGEMENT EMBANKMENTS, THE APPLICANT SHALL SCARIFY EACH LIFT WITH A SHEEPSFOOT ROLLER OR PLAN TO MINIMUM DEPTH OF TWO-INCHES PRIOR TO PLACING THE NEXT LIFT. THE APPLICANT SHALL SCARIFY EMBANKMENTS PARALLEL WITH THE CENTERLINE OF THE DAM CORE AND PERPENDICULAR TO THE PRINCIPAL SPILLWAY. BEDDING SHALL BE PROVIDED IN ACCORDANCE WITH DETAILS INDICATED ON THE CONSTRUCTION DRAWINGS. AT NO TIME DURING THE BACKFILLING OPERATION SHALL DRIVE EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN FOUR-FEET, MEASURED HORIZONTALLY, TO ANY PART OF A STRUCTURE, UNDER NO CIRCUMSTANCES SHALL THE APPLICANT DRIVE EQUIPMENT OVER ANY PART OF A CORRUGATED METAL PIPE UNLESS THERE IS A COMPACTED FILL OF 24-INCHES OR GREATER OVER THE STRUCTURE OR PIPE.
9. AT A MINIMUM, COMPACTON TESTS SHALL BE COMPLETED FOR EVERY LIFT OF FILL OR BACKFILL. THE TESTING FREQUENCY SHALL BE AT LEAST ONCE PER 150 LINEAR FEET OF TRENCH OR ONCE PER 1,500 SQUARE FEET OF FILL. AT A MINIMUM, THERE SHALL BE AT LEAST ONE COMPACTON TEST PER LIFT AND AT LEAST TWO COMPACTON TESTS PER DAY. THE GEOTECHNICAL ENGINEER SHALL SUPPLY DPW WITH CERTIFIED COMPACTON TEST RESULTS, INCLUDING CERTIFICATION OF PIPE BEDDING SUBGRADE AND FILL SUBGRADE.
10. PRIOR TO PLACING ANY ROADWAY FILL ON EXISTING GRADES (ORIGINAL GRADE AFTER TOPSOIL HAS BEEN STRIPPED, FILL PREPARED BY OTHERS OUTSIDE OF THIS PLAN OR FILL NOT PREPARED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER), SCARIFY THE MINIMUM TOP EIGHT-INCHES OF SOIL MATERIAL. COMPACT THIS LAYER TO THE COMPACTON REQUIREMENTS IN THESE NOTES. PROOF-ROLL THIS COMPACTED LAYER USING FULLY LOADED DUMP TRUCK (MINIMUM 20 TON PAYLOAD CAPACITY). THE GEOTECHNICAL ENGINEER SHALL INSPECT THE PROOF-ROLLING AND DETERMINE IF THE SUBGRADE IS ACCEPTABLE OR IF THERE ARE AREAS THAT REQUIRE REMEDIATION. SUBGRADE AREAS THAT FAIL PROOF-ROLLING SHALL BE REMEDIATED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER BY EITHER OF THE FOLLOWING METHODS:
A. SCARIFYING, MOISTURE CONDITIONING, AND RE-COMPACTON OF THE SUBGRADE MATERIALS.
B. UNDERCUTTING SOFT OF UNSUITABLE AREAS OF SUBGRADE AND BACKFILLING WITH COMPACTED SELECT BURROW (MSHA SECTION 916).
C. UNDERCUTTING OF SOFT OR UNSUITABLE AREAS OF SUBGRADE AND PLACING A LAYER OF GEOTEXTILE COVERED BY MSHA 51 COARSE AGGREGATE (TABLE 901A).
DPW MAY APPROVE AN ALTERNATE APPROACH FOR SOIL REMEDIATION/IMPROVEMENT IF IT IS RECOMMENDED AND SEALED BY THE GEOTECHNICAL ENGINEER.
EXCEPT WHEN SPECIFIED, DO NOT PLACE LAYERS EXCEEDING EIGHT-INCHES UN-COMPACTED DEPTH. PLACE THE MATERIAL IN HORIZONTAL LIFTS ACROSS THE FULL WIDTH OF THE EMBANKMENT. PERFORM ALL ROLLING IN A LONGITUDINAL DIRECTION ALONG THE EMBANKMENT. BEGIN AT THE OUTER EDGES AND PROGRESS TOWARDS THE CENTER. VARY THE TRAVEL PATHS OF TRAFFIC AND EQUIPMENT OVER THE WIDTH OF THE EMBANKMENT TO AID IN OBTAINING UNIFORM COMACTION.
12. UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE, FREE OF IRREGULAR SURFACE CHANGES. GRADE AND PREPARE THE SUBGRADE SECTION TO THE LINES, GRADES, CROSS SECTIONS AND/OR ELEVATIONS SHOWN ON THE PLANS. AT ALL TIMES, MAINTAIN THE SUBGRADE SURFACE IN SUCH CONDITION AS TO READILY DRAIN.
13. DO NOT PLACE BACKFILL OR FILL SOIL MATERIAL ON SURFACES THAT ARE MOODY, FROZEN, OR CONTAIN FROST OR ICE. VEHICULAR AND EQUIPMENT TRAFFIC SHALL BE DISTRIBUTED ACROSS THE PREPARED SURFACE IN SUCH A MANNER AS TO PREVENT DISTURBANCE. REPAIR ANY DAMAGE TO THE PREPARED SURFACE TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER MUST APPROVE THE STORAGE OR STOCKPILING OF HEAVY LOADS ON A ROADWAY SUBGRADE.

- 14. UNSUITABLE EXISTING FILL, SOFT OR LOOSE NATURAL SOILS, ORGANIC MATERIAL, AND RUBBLE SHALL BE STRIPPED TO APPROVED GRADES AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
15. PROTECT ALL STRUCTURES AND UTILITIES FROM ANY DAMAGE IN THE HANDLING, PROCESSING OR COMPACTING OF EMBANKMENT OR BACKFILL MATERIAL. EXERCISE CAUTION NEAR ADJACENT NEIGHBORHOODS, CULVERTS AND UTILITY TRENCHES TO PREVENT UNNECESSARY STRAIN OR MOVEMENT. THE GEOTECHNICAL ENGINEER MAY REQUIRE THE USE OF SPECIALLY SELECTED MATERIAL ADJACENT TO STRUCTURES TO PROTECT AGAINST DAMAGE. DO NOT USE ROCK GREATER THAN ONE AND A HALF INCHES IN ANY DIMENSION ADJACENT TO STRUCTURES.
16. WHEN PLACING AND COMPACTING EMBANKMENT ON HILLSIDES OR AGAINST EXISTING EMBANKMENT, CONTINUOUSLY BENCH THE SLOPES WHERE THE SLOPE IS STEEPER THAN 4:1 WHEN MEASURED AT RIGHT ANGLES TO THE ROADWAY OR EMBANKMENT CENTERLINE. PERFORM THE BENCHING OPERATION AS THE EMBANKMENT IS CONSTRUCTED IN LAYERS. MAINTAIN A BENCH WIDTH OF AT LEAST FIVE-FEET. BENCHING SHALL BE PERFORMED AT THE END OF EACH DAY. THE BENCHING OPERATION SHALL BE PERFORMED ON BOTH SIDES OF THE PREVIOUS CUT. IF THE MATERIAL CUT FROM THE BENCHES MEETS FILL REQUIREMENTS, COMPACT THIS MATERIAL ALONG WITH THE NEW EMBANKMENT MATERIAL.
17. WHEN PLACING FILL OVER EXISTING PAVEMENT, THOROUGHLY BREAK UP, SCARIFY, OR REMOVE THE PAVEMENT AS SPECIFIED OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
18. PRIOR TO THE PLACEMENT OF ASPHALT PAVEMENT, PROOF-ROLL THE COMPACTED GRADED AGGREGATE BASE (GAB) LAYER USING A FULLY LOADED DUMP TRUCK (MINIMUM 20 TON PAYLOAD CAPACITY). THE GEOTECHNICAL ENGINEER SHALL INSPECT THE PROOF-ROLLING AND DETERMINE IF THE GAB IS ACCEPTABLE OR IF THERE ARE AREAS THAT REQUIRE REMEDIATION. GAB AREAS THAT FAIL PROOF-ROLLING SHALL BE REMEDIATED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER BY EITHER OF THE FOLLOWING METHODS:
A. SCARIFYING, MOISTURE CONDITIONING, AND RE-COMPACTON OF THE GAB MATERIALS.
B. UNDERCUTTING SOFT OF UNSUITABLE AREAS OF GAB AND REPLACING WITH COMPACTED GAB.
DPW MAY APPROVE AN ALTERNATE APPROACH FOR GAB REMEDIATION/IMPROVEMENT IF IT IS RECOMMENDED AND SEALED BY THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL PROVIDE A SEALED APPROVAL OF THE GAB PRIOR TO PLACEMENT OF ASPHALT. DPW MAY ACCEPT AN ORAL OR EMAIL APPROVAL WHILE THE FINAL APPROVAL AND REPORTS ARE BEING COMPILED AND COMPLETED.

OWNER/DEVELOPER CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION OR DEVELOPMENT, OR ALL OF THESE, WILL BE DONE PURSUANT TO THIS PLAN AND THAT RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATION OF TRAINING AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING OF THE PROJECT AND THAT APPLICABLE SEDIMENT CONTROL CONDITIONS AND REQUIREMENTS OF THE CITY OF ROCKVILLE AND THE STATE OF MARYLAND AND ITS AGENCIES ARE HEREBY MADE PART OF THIS PLAN.

SIGNATURE: _____
PRINTED NAME AND TITLE: _____
DATE: _____

DESIGN AND QUANTITIES CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE LATEST MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND THE ORDINANCE OF THE ROCKVILLE CITY CODE. THE ESTIMATED TOTAL AMOUNT OF EXCAVATION AND FILL HAS BEEN COMPUTED TO BE 0 CUBIC YARDS OF EXCAVATION AND 0 CUBIC YARDS OF FILL AND THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE 13,010 SQUARE FEET OF WHICH 13,010 IS ON-SITE PROPOSED DISTURBANCE RIGHT-OF-WAY. THE IMPERVIOUS AREA SUBJECT TO STORMWATER MANAGEMENT SHOWN ON THIS PLAN IS 0.25 ACRES OF WHICH 0.25 ACRES IS ON-SITE IMPERVIOUS AREA WITHIN THE RIGHT-OF-WAY.

SIGNATURE: _____
PRINTED NAME AND TITLE: SETH H. DARLINGTON, PE
DATE: MARCH 30, 2022
TITLE & LICENSE NUMBER: PROFESSIONAL ENGINEER 39917

STABILIZATION NOTES:

- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION WILL BE COMPLETED WITHIN:
THREE CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SHALES, DITCHES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1).
SEVEN CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE DEVELOPMENT PROJECT NOT UNDER ACTIVE GRADING.
MAINTENANCE WILL BE PERFORMED, AS NECESSARY, TO ENSURE THAT THE STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF THE CURRENT MDE AND CITY STANDARDS AND SPECIFICATIONS.

STANDARD SEQUENCE OF CONSTRUCTION:

- GENERAL NOTES:
1. COMPLY WITH THE CITY OF ROCKVILLE'S STANDARD EROSION AND SEDIMENT CONTROL NOTES.
2. CITY INSPECTORS RESERVE THE RIGHT TO REQUEST ADDITIONAL MEASURES NOT INCLUDED ON THE PLANS.
3. CHANGES TO THE APPROVED PLANS REQUIRE WRITTEN APPROVAL FROM DPW ENGINEERING AND MAY REQUIRE AN APPROVED 'REDLINED' PLAN REVISIONS BEFORE PROCEEDING.

PRE-CONSTRUCTION MEETING:
THE FOLLOWING ITEMS MUST BE COMPLETED PRIOR TO THE PRE-CONSTRUCTION MEETING:
- LIMITS OF DISTURBANCE (LOD) AND TREE PROTECTION MEASURES TO BE MARKED/ STAKED OUT IN THE FIELD
- CONTACT MISS UTILITY AT 1-800-257-7177 OR 811 AND HAVE UTILITIES MARKED IN THE WORK AREA.
A PRE-CONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE FOLLOWING REPRESENTATIVES:
MINIMUM NOTICE OF 48 HOURS MUST BE PROVIDED PRIOR TO MEETING:
- CITY OF ROCKVILLE SEDIMENT AND EROSION CONTROL INSPECTOR: ARTHUR SIMPSON AT 240-314-8879
- CITY OF ROCKVILLE CONSTRUCTION INSPECTOR: RALPH McELMINEY AT 240-314-8553
- CITY OF ROCKVILLE FORESTRY INSPECTOR: PAULA PEREZ AT 240-314-8706
- ANY OF AGENCY ISSUING A PERMIT
- PERMITEE, OWNER, OR OWNERS REPRESENTATIVE
- GENERAL CONTRACTOR
- SITE ENGINEER

THE FOLLOWING ITEMS MUST BE DISCUSSED, AS NEEDED, DURING A PRE-CONSTRUCTION MEETING:
- HAUL ROUTES AND MAINTENANCE OF TRAFFIC
- EXISTING SWM FACILITIES DOWNSTREAM OF PROJECT
- SWM CONSTRUCTION INSPECTION AND AS-BUILT PROCESS (SEE SWM PLAN)
- WATER SYSTEM SHUT DOWNS

SITE PREPARATION:
1. WITH APPROVAL FROM CITY OF ROCKVILLE SEDIMENT CONTROL, CONSTRUCTION, AND FORESTRY INSPECTORS, INSTALL PERIMETER CONTROLS, TREE PROTECTION MEASURES AND STABILIZED CONSTRUCTION ENTRANCE.
2. WITH STEP 1 ABOVE COMPLETE, OBTAIN APPROVAL FROM THE CITY OF ROCKVILLE INSPECTORS TO BEGIN CLEARING AND GRADING AND SITE CONSTRUCTION.

PROJECT SEQUENCE OF CONSTRUCTION:
1. BEGIN GRUBBING AND ROUGH GRADING; NO STAGING/ STOCKPILE AREA IS DESIGNATED. CONTRACTOR TO DESIGNATE STOCKPILE AREA IF NECESSARY AND OBTAIN ALL NECESSARY PERMITS FOR STAGING/ STOCKPILE AREA.
2. BEGIN CONSTRUCTION, WITH APPROVAL FROM THE INSPECTOR, RELOCATE COOP TO PROPOSED INLET #1-01 AS SOON AS THE INLET IS CONSTRUCTED.
3. FINE GRADE AND TOPSOIL PER STANDARDS AND SPECIFICATIONS FOR TOPSOILING ON THIS PLAN.
4. COMPLY WITH ALL REQUIREMENTS OF THE FORESTRY PERMIT, AS APPLICABLE. ONCE THE SITE IS STABILIZED AND WITH THE CITY'S SO INSPECTOR'S PERMISSION, REMOVE THE SEDIMENT CONTROL MEASURES AND STABILIZE THE AREAS DISTURBED BY THEIR REMOVAL.
5. OBTAIN FINAL INSPECTION AND SUBMIT AS-BUILT PLANS TO THE CITY OF ROCKVILLE FOR APPROVAL.

WALLACE MONTGOMERY logo and contact information for MISS UTILITY.

CITY OF ROCKVILLE logo and contact information for DEPARTMENT OF PUBLIC WORKS.

DESIGN PLAN APPROVAL and AS BUILT PLAN APPROVAL signatures and stamps.

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS title block.

Professional Engineer Seal for Seth H. Darlington and a table for tracking revisions.

B.4.5 STANDARDS AND SPECIFICATIONS

FOR PERMANENT STABILIZATION

Definition

To stabilize disturbed soils with permanent vegetation.

Purpose

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

Conditions Where Practice Applies

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

Criteria

A. Seed Mixtures

1. General Use

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

2. Turfgrass Mixtures

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

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

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

c. Ideal Times of Seeding

- Western MD:** March 15 to June 1, August 1 to October 1 (Hardness Zones: 5b, 6a)
- Central MD:** March 1 to May 15, August 15 to October 15 (Hardness Zone: 6b)
- Southern MD, Eastern Shore:** March 1 to May 15, August 15 to October 15 (Hardness Zones: 7a, 7b)

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

Permanent Seeding Summary

Hardness Zone (from Figure B.3):		6B		4 WARM SEASON		II COOL SEASON		Fertilizer Rate (10-20-20)		Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depth	N	P ₂ O ₅	K ₂ O			
4	PERMANENT STABILIZATION	20	4/15 - 5/15	1/2 in				45 pounds per acre (1.0 lb/1000 sf)	90 lb/ac (2 lb/1000 sf)	2 tons/ac (90 lb/1000 sf)
II	PERMANENT STABILIZATION	20	4/15 - 5/15	1/2 in						

B. Soil: To provide quick cover on disturbed areas (21 grade or flatter).

1. General Specifications

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

2. Soil Installation

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

3. Sod Maintenance

- In the absence of adequate rainfall, water daily during the first week or as often and sufficiently as necessary to maintain moist soil to a depth of 4 inches. Water sod during the heat of the day to prevent wilting.
- After the first week, sod watering is required as necessary to maintain adequate moisture content.
- Do not mow until the sod is firmly rooted. No more than 1/2 of the grass leaf must be removed by the initial cutting or subsequent cuttings. Maintain a grass height of at least 3 inches unless otherwise specified.

B.4.4 STANDARDS AND SPECIFICATIONS

FOR TEMPORARY STABILIZATION

Definition

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

Purpose

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

Conditions Where Practice Applies

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

Criteria

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

Temporary Seeding Summary

Hardness Zone (from Figure B.3):		6B		4 WARM SEASON		II COOL SEASON		Fertilizer Rate (10-20-20)		Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depth	N	P ₂ O ₅	K ₂ O			
	PERMANENT STABILIZATION	40	4/15 - 5/15	0.5				436 lb/ac (10 lb/1000 sf)	2 tons/ac (90 lb/1000 sf)	
	PERMANENT STABILIZATION	36	4/15 - 5/15	0.5						
	PERMANENT STABILIZATION	12	4/15 - 5/15	0.5						
	PERMANENT STABILIZATION	20	4/15 - 5/15	0.5						

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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. Simmons
 2022.04.19
 17:21:57+0000
 DIRECTOR OF PUBLIC WORKS APPROVAL DATE

AS BUILT PLAN APPROVAL
 PWP# SCP# SCP2022-00014
 REVIEWED BY

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

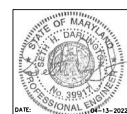
CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE

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

APPROVAL OF REVISIONS AFTER INITIAL PLAN APPROVAL

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

SCALE N.T.S.
 SHEET NO. 34 OF 37
 FILE #



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. Seeded 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 to prepare required on-site soils...
c. Graded areas must be maintained in a true and even grade...
d. Apply soil amendments as specified on the approved plan...
e. Mix soil amendments into the top 3 to 5 inches of soil...
B. Topsoiling
1. Topsoil to be placed over prepared subsoil prior to establishment of permanent vegetation...
2. Topsoiling is limited to areas having 2:1 or flatter slopes...
3. Areas having slopes steeper than 2:1 require special consideration and design...
4. Topsoil must be free of noxious plants or plant parts...
5. Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist...
6. Topsoil Application
a. Erosion and sediment control practices must be maintained when applying topsoil...
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...
2. Fertilizers must be uniform in composition...
3. Lime materials must be ground limestone (hydrated or burnt lime) substituted except when hydrous lime which contains at least 90 percent lime...
4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil...
5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 1 to 3 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 alone 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 soil mixtures must be a pure culture of nitrogen fixing bacteria...
d. Seed and mulch must be placed on soil which has been treated with soil sterilants or chemicals used for weed control...
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...
e. Lime: Use only ground agricultural limestone (up to 3 tons per acre may be applied by hydroseeding)...
f. Mix seed and fertilizer on site and mix immediately and apply under irrigation...
g. When hydroseeding do not incorporate seed into the soil.

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 including the use of straw contains no germination or growth inhibiting factors...
d. 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...
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...
2. Application
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, Petrosol, Terra Tex 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...
3. Temporary soil stabilization matting is made with degradable (less than 6 months minimum), natural, or man-made fibers...
4. Permanent soil stabilization matting is an open weave, synthetic material consisting of non-degradable fibers...
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 = R · S · W; where:
τ = Shear Stress (lb/ft²)
R = Weight Density of Water (62.4 lb/ft³)
W = Average Water Depth (Hydraulic Radius) (ft)
S = Water Surface Slope (ft/ft)

V = Velocity (ft/sec)
V = 1.486 R^2/3 S^1/2
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 6 columns: Slope, 20:1 or Flatter, >20:1 to 4:1, >4:1 to 3:1, >3:1 to 2:1, >2:1 to 1:1. Rows include Straw Mulch/Wood Cellulose Fiber, Temporary Matting with Design Shear Stress, and Effective Range for all K values unless otherwise specified.

* 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%.

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...
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...
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...
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 10 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.

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DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE 111 MARYLAND AVE. ROCKVILLE, MARYLAND DESIGNED L.E.W. DRAFTER L.E.W. CHECKED C.Y.M. DESIGN PLAN APPROVAL Craig L. Simoneau 2022.04.19 17:31:58:00

AS BUILT PLAN APPROVAL REVERED BY: SC# SC2022-00014

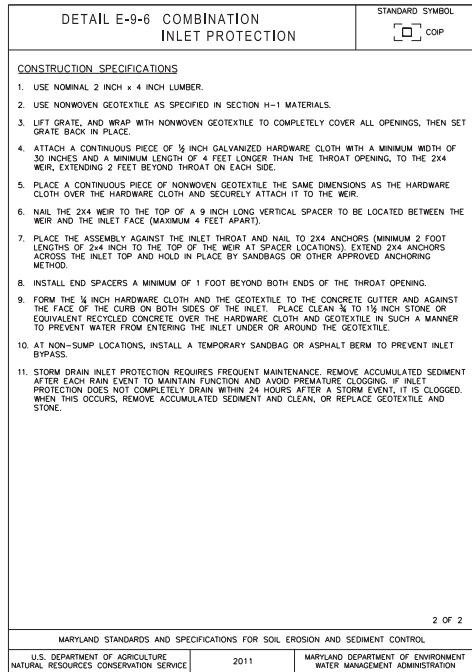
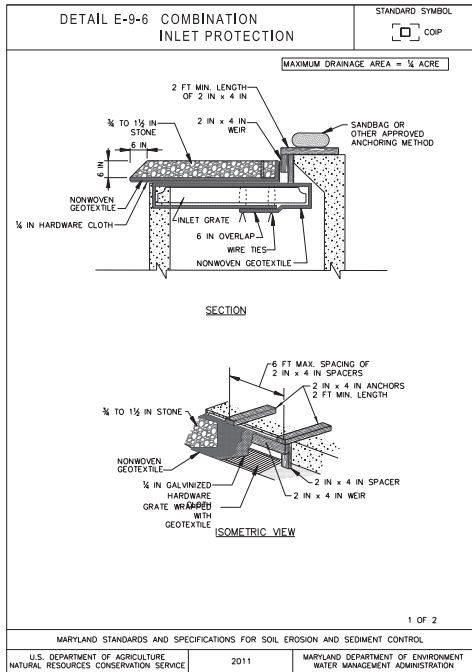
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS CHEF, CONSTRUCTION MANAGEMENT APPROVAL DATE

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

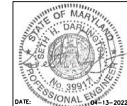
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Table with 5 columns: DESCRIPTION OF REVISION, P.E. INITIAL, DATE, DFW, DATE. Contains one revision entry.

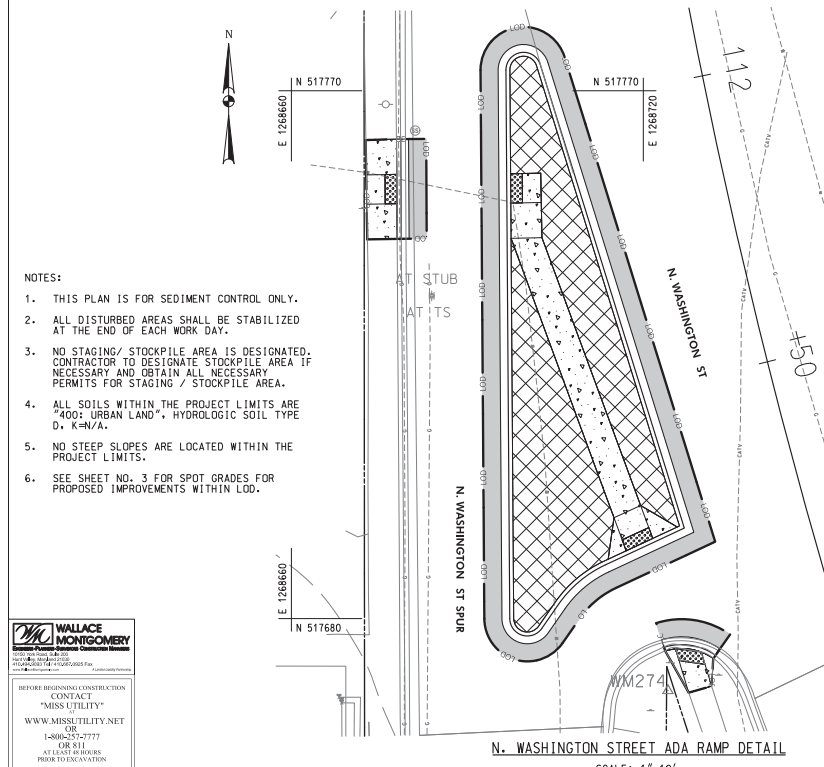
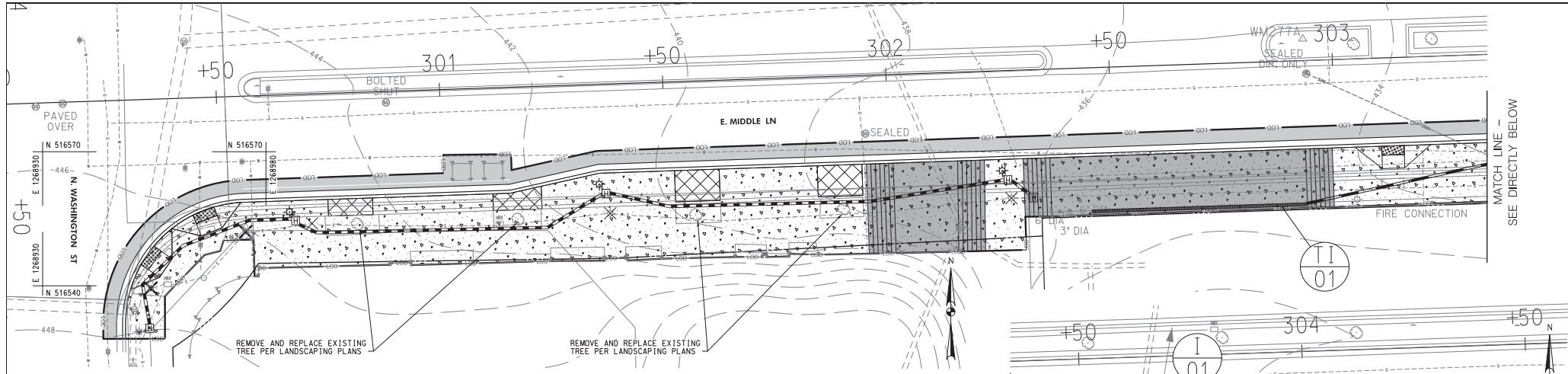


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DESCRIPTION OF REVISION	P.E. INITIAL	DATE	CPW	DATE

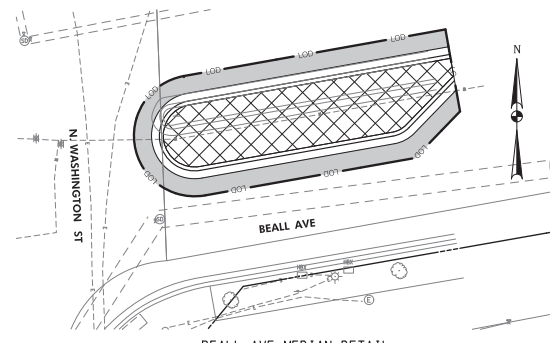
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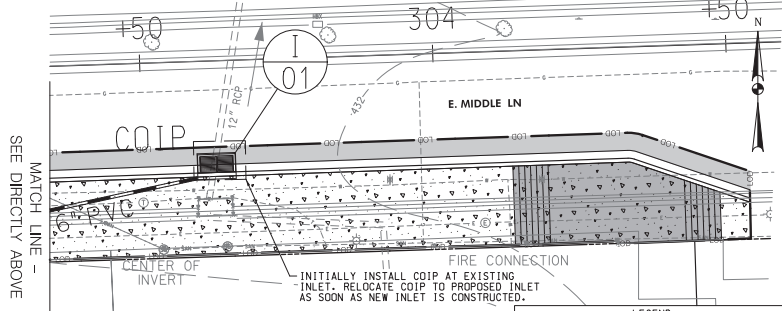
ADA RAMP AND E. MIDDLE LANE SIDEWALK DETAIL
SCALE: 1"=10'

PARKING METER (TYP)
SCALE: 1"=10'

REPAIR 1'x1' CONCRETE PATCH AT EACH PARKING METER INSTALLATION. STABILIZE DISTURBANCE THE SAME DAY. LOD OFF-SET FROM PATCH FOR CLARITY.



BEALL AVE MEDIAN DETAIL
SCALE: 1"=10'



SEE DIRECTLY ABOVE

MATCH LINE - SEE DIRECTLY BELOW

- 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.

- 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
 CIVIL ENGINEERING
 1400 N. WASHINGTON ST.
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 WWW.WMENGINEERING.COM

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