

BY: khodge -



509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

PLOTTED: Monday, December 09, 2019 AT 01:42 PM
FILE: \\baserver1\Projects\5871_MD_MDSHA_SurveyEng\07_On-site Support for Fund: 77\300_CADD\Plan_Set\Roadway\MD 213\pGN-4001_MD 213.dgn

INDEX OF SHEETS

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DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

R /W PLAT NUMBER	CROSS REFERENCE	REVISIONS	INDEX OF SHEETS
	ITEM		SCALE AS SHOWN. ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177
	SHEET NOS.		DESIGNED BY DPK COUNTY QUEEN ANNE'S DRAWN BY PNK LOGMILE 7.06 - 7.85 CHECKED BY GGW HORIZONTAL SCALE N/A MDE/PRD EXEMPT VERTICAL SCALE N/A
	INDEX OF SHEETS..... 2 GENERAL NOTES SHEET..... 3 TYPICAL SECTIONS 4-5 DETAIL SHEET 6 GEOMETRIC LAYOUT SHEET..... 7 RAMP CONSTRUCTION DETAIL..... 8 SITE LAYOUT SHEET..... 9 ROADWAY PLANS..... 10-28 EROSION AND SEDIMENT CONTROL NOTES..... 29 MAINTENANCE OF TRAFFIC NOTES..... 30		DRAWING NO. GI-01 OF GI-01 SHEET NO. 2 OF 30

ABBREVIATIONS

AASHTO	American Association of State Highway Transportation Officials	HDWL.....	Headwall	RW or RW...	Right of Way
ADT.....	Average Daily Traffic	HERCP.....	Horizontal Elliptical Reinforced Concrete Pipe	RCP	Reinforced Concrete Pipe
AHD.....	Ahead	HP.....	High Point	RCPP	Reinforced Concrete Pressure Pipe
APPROX.....	Approximate	IN.....	Inch	R.Q.D.	Rock Quality Designation
BL or BL.....	Baseline	I.S.T.....	Inlet Sediment Trap	R.M.	Rootmat
BK	Back /Book	INV.....	Invert	S	South
BIT.	Bituminous	J.B.....	Junction Box	SAN.	Sanitary Sewer
B.C.....	Bituminous Concrete	K	K Inlet	SB or S/B ..	Southbound
B.M.	Bench Mark	L.....	Length	S.D.	Storm Drain
BOT.....	Bottom	LF	Linear Feet	S.D.D.....	Surface Drain Ditch
C.C.....	Center of Curve	L.L.....	Liquid Limit	SE	Super Elevation
CAP.....	Corrugated Aluminum Pipe	LP	Low Point	SF	Silt Fence
CAPA.....	Corrugated Aluminum Pipe Arch	L.P.	Light Pole	SF	Square Feet
CATV.....	Cable Television	LT.....	Left	SHT.	Sheet
C.B.R.....	California Bearing Ratio	MAC.....	Macadam	SPP	Structural Steel Plate Pipe
CL or CL.....	Centerline	M.C.....	Major Collector	SPPA	Structural Steel Plate Pipe Arch
CL.....	Class	MAX.	Maximum	S.P.T.	Standard Penetration Testing
CLF.....	Chainlink Fence	M.D.D.....	Maximum Dry Content	SRP	Steel Spiral Rib Pipe – Aluminized Type 2
CMP.....	Corrugated Metal Pipe	MOD.....	Modified	SRPA	Steel Spiral Rib Pipe Arch – Aluminized Type 2
C.O.....	Cleanout	MIN.....	Minimum	SSD	Stopping Sight Distance
COMB.....	Combination	N.....	North	SSF	Super Silt Fence
CONC.....	Concrete	NB	Northbound	STD.	Standard
CONSTR.	Construction	NE	Northeast	STA.	Station
COR.....	Corner	N.P.....	Non–Plastic	SO.	Single Opening
CORR.....	Correction	O.C.	On Center	SY	Square Yards
CPP–S	Corrugated Polyethylene Pipe – Type 'S'	O.M.....	Optimum Moisture	SWM.....	Stormwater Management
CSP	Corrugated Steel Pipe – Aluminized Type 2	O.P.A.....	Other Principal Arterial	T	Tangent
CSPA	Corrugated Steel Pipe Arch – Aluminized Type 2	OHE	Overhead Electric	T	Telephone
DC.....	Degree of Curve	PAV' T.....	Pavement	T.C.	Top of Cover
D.H.V.....	Design Hourly Volume	PC	Point of Curvature	T.G.	Top of Grate
D.I.....	Drop Inlet	PCC	Point of Compound Curvature	T or TL	Traverse Line
DIA.....	Diameter	P/C	Point of Crown	T.M.	Top of Manhole
D.O.....	Double Opening	PGE	Profile Grade Elevation	TRAV.....	Traverse
E	East	P.G.E.....	Profile Ground Elevation	TS	Temporary Swale
E	Electric	P.G.L.....	Profile Grade Line	T.S.	Top of Slab
E	External Distance	PGL	Profile Ground Line	T.S.	Topsoil
EA	Each	P/R	Point of Rotation	TYP.....	Typical
EB	Eastbound	P.I.	Plasticity Index	U.D.....	Under Drain
ELEV	Elevation	PI	Point of Intersection	U.G.....	Underground
ES.....	End Section	POC	Point On Curve	U.P.....	Utility Pole
EX or EXIST ..	Existing	POT	Point On Tangent	USDA	United States Department of Agriculture
FT	Feet	PPWP	Polyvinyl Chloride Profile Wall Pipe	VCL	Vertical Clearance
F or FL	Flowline	PROP	Proposed	V.C.L.....	Vertical Curve Length
F.B.D.	Flat Bottom Ditch	PRC	Point of Reverse Curve	W	Water
F.H.....	Fire Hydrant	PT	Point	W	West
FWD.....	Forward	PT	Point of Tangency	WB	Westbound
G	Gas	PVC	Point of Vertical Curve	WB	Wetland Buffer
G.V.....	Gas Valve	PVC	Polyvinyl Chloride	W.M.....	Water Meter
H.B.....	Handbox	PVI	Point of Vertical Intersection	W.S.	Wrapped Steel
HDPE	High Density Polyethylene	PVRC	Point of Vertical Reverse Curve	WUS	Waters of the United States
		PVT	Point of Vertical Tangency	W.V.....	Water Valve
		R	Radius		
		R.F.....	Rock Fragments		
		RT	Right		

CONVENTIONAL SIGNS

ELECTRICAL HAND BOX – SIGNALS		PROPOSED PIPE / CULVERT	
FLOW LINE		EXISTING PIPE / CULVERT	
STATE, COUNTY OR CITY LINES		EXISTING DROP INLET	
PROPOSED TRAFFIC BARRIER		UTILITY POLE	
EXISTING TRAFFIC BARRIER		WETLAND BUFFER	
PROPOSED FENCE LINE		WATERS OF THE U.S.	
EXISTING FENCE LINE		HEDGE /TREE LINE	
PROPOSED RIGHT OF WAY LINE		BUSH /TREE	
EXISTING ROADWAY		CONIFEROUS TREE	
BASE LINE OR SURVEY LINE		GROUND ELEVATION	
FIRE HYDRANT		GRADE ELEVATION	
WETLAND BOUNDARY		SANITARY	
LIMIT OF DISTURBANCE		WATER	
TEMPORARY CONSTRUCTION EASEMENT.....		GAS	
WATERS OF THE US		ELECTRIC (UNDERGROUND).....	
PROPOSED SLOPES.....		ELECTRIC (SHA)	

PROPOSED PIPE / CULVERT	
EXISTING PIPE / CULVERT	
EXISTING DROP INLET	
UTILITY POLE	
WETLAND BUFFER	
WATERS OF THE U.S.	
HEDGE /TREE LINE	
BUSH /TREE	
CONIFEROUS TREE	
GROUND ELEVATION	
GRADE ELEVATION	
SANITARY	
WATER	
GAS	
ELECTRIC (UNDERGROUND).....	
ELECTRIC (SHA)	
TELEPHONE (UNDERGROUND).....	
EXISTING RIGHT OF WAY	
PROPOSED RIGHT OF WAY	
PROPOSED SEWER LINE	
PROPOSED WATER LINE	
PROPOSED DOIT LINE	
PROPOSED GAS LINE	
ABANDONED WATER LINE.....	
ABANDONED SEWER LINE.....	

GENERAL NOTES

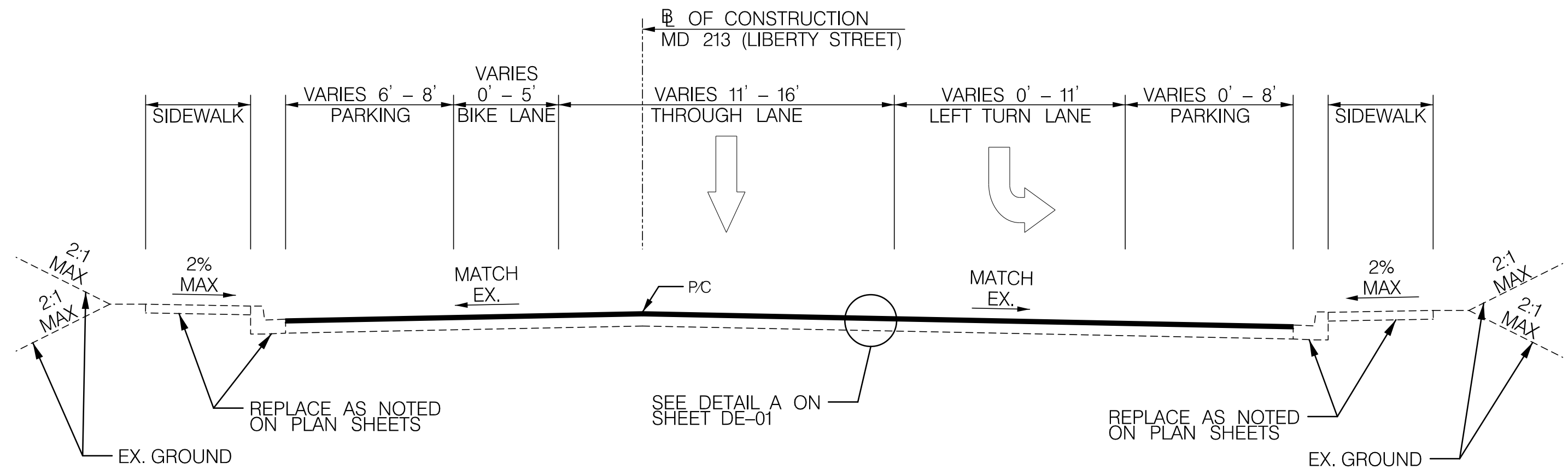
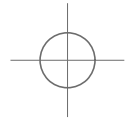
- THE LOCATION OF THE UNDERGROUND AND SURFACE UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SAID LOCATIONS. CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO EXCAVATION FOR MARKING AND LOCATION OF UTILITIES.
- THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. ANY CONFLICTS CONCERNING THE CONSTRUCTION AROUND EXISTING OBSTRUCTIONS PER THESE PLANS SHALL BE RESOLVED BETWEEN THE CONTRACTOR AND THE FIELD ENGINEER.
- THE CONTRACTOR AND OTHERS SHALL PERFORM ALL WORK IN A PRACTICAL MANNER THAT WILL MINIMIZE OBSTRUCTION TO TRAFFIC, PEDESTRIANS, BUSINESSES, RESIDENTS, AND BE CONSISTENT WITH SAFETY.
- ALL BENCHMARKS AND COORDINATES SHOWN ON THE CONTRACT PLANS ARE "NAD 8391" AND A PROJECT SPECIFIC SURVEY DATUM.
- ALL EXISTING UTILITY FRAMES, AND GRATES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE ADJUSTED TO FINISHED GRADE.
- THE CONTRACTOR WILL NOTIFY PROPERTY OWNERS 72 HOURS PRIOR TO RECONSTRUCTION OF DRIVEWAY ENTRANCES.
- ALL TRANSITION SIDEWALK PANELS MUST BE CONSTRUCTED 5' MINIMUM OR TO THE NEXT EXISTING JOINT OR AS DIRECTED BY THE ENGINEER.
- FOR DETECTABLE WARNING SURFACES REFER TO MDOT SHA STANDARD 655.40 FOR INSTALLATION.
- PROPOSED CURB HEIGHTS SHOULD MATCH THE EXISTING CURB HEIGHTS AT THE TIE-IN POINTS

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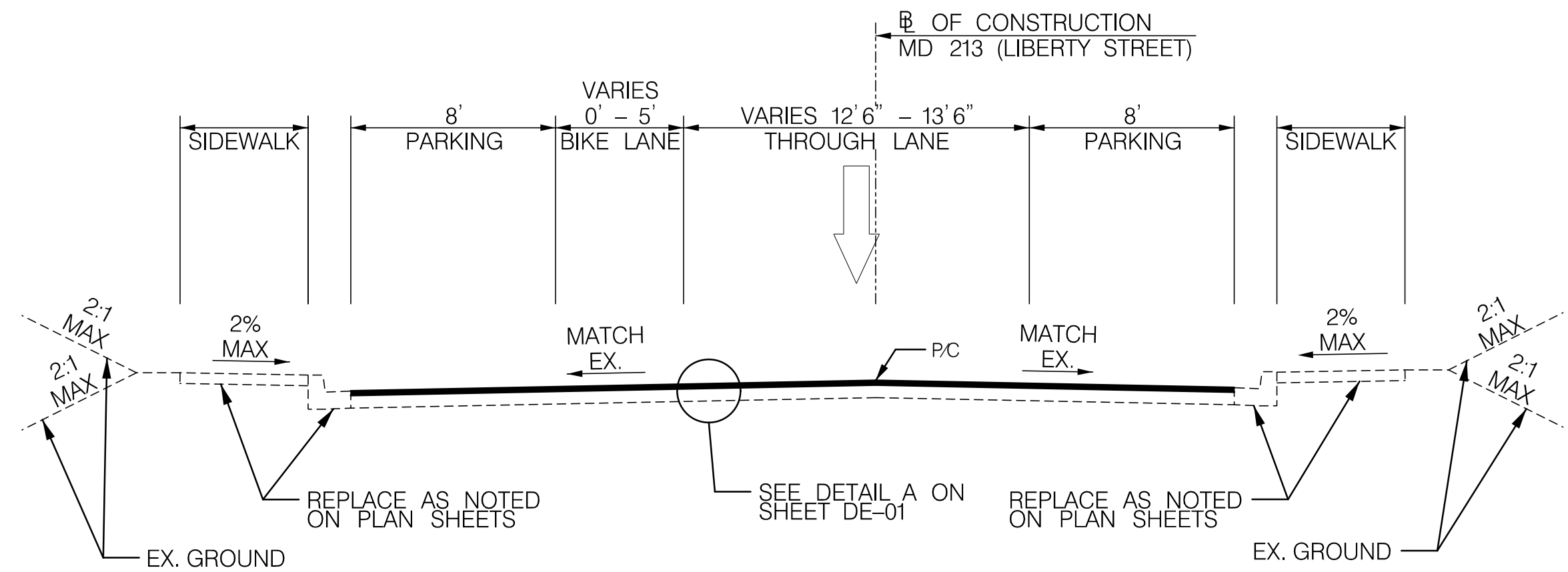
STATE HIGHWAY ADMINISTRATION

DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND COMMERCE STREET)
FROM MILL STREAM BRANCH TO GRAVEL RUN
SAFETY AND RESURFACING

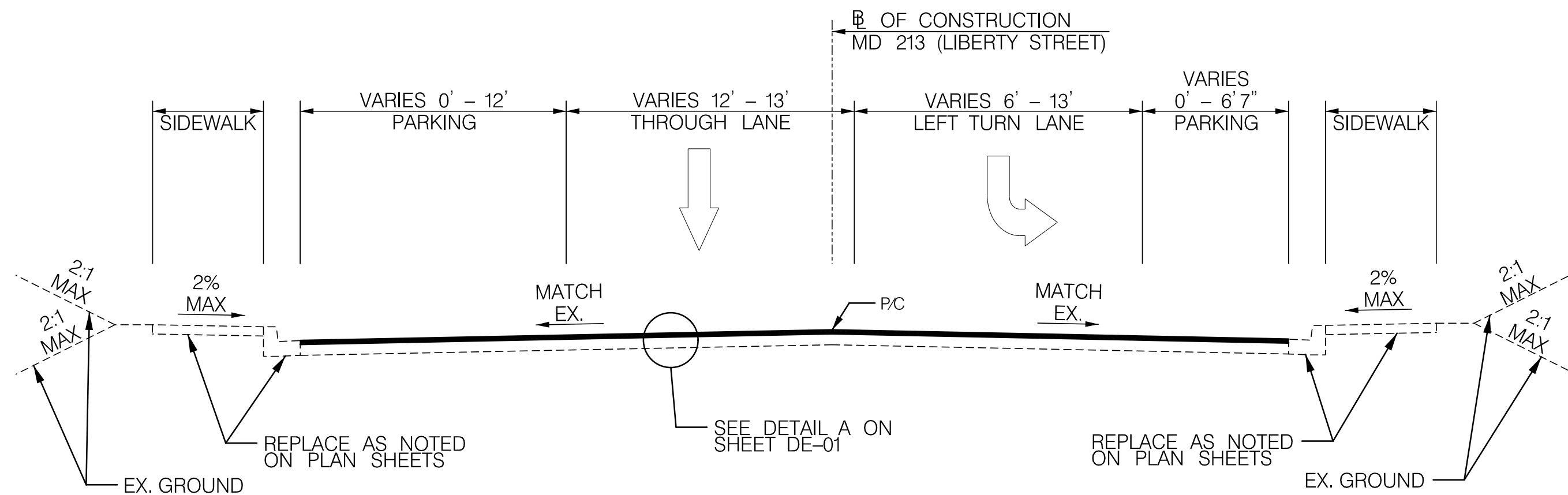
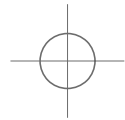
ABBREVIATIONS /GENERAL NOTES	
SCALE _____ N.T.S. _____	ADVERTISED DATE _____ DEC 2019 _____
CONTRACT NO. _____ QA2985177 _____	
DESIGNED BY _____ DPK _____	COUNTY _____ QUEEN ANNE'S _____
DRAWN BY _____ PNK _____	LOGMILE _____ 7.06 – 7.85 _____
CHECKED BY _____ GGW _____	HORIZONTAL SCALE _____ N/A _____
MDE/PRD _____ EXEMPT _____	VERTICAL SCALE _____ N/A _____
DRAWING NO. _____ GN-01 _____	OF GN-01 _____
SHEET NO. _____ 3 _____	OF 30 _____



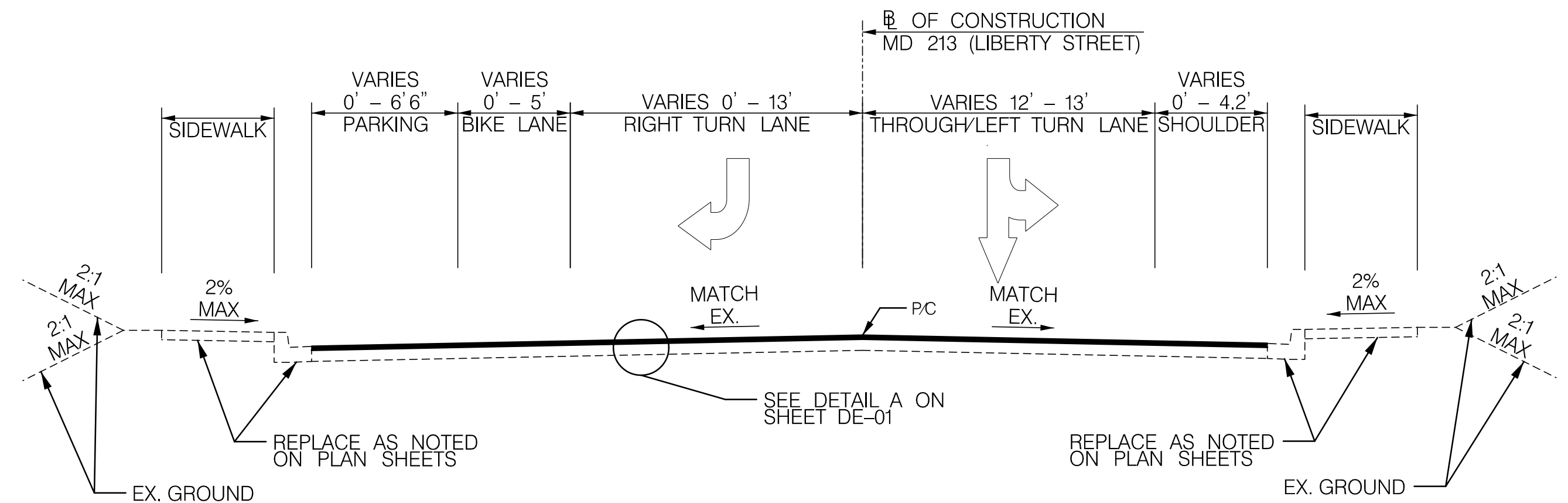
MD 213 (LIBERTY STREET) NORMAL TYPICAL SECTION
STA. 204 + 73 TO STA. 209 + 36



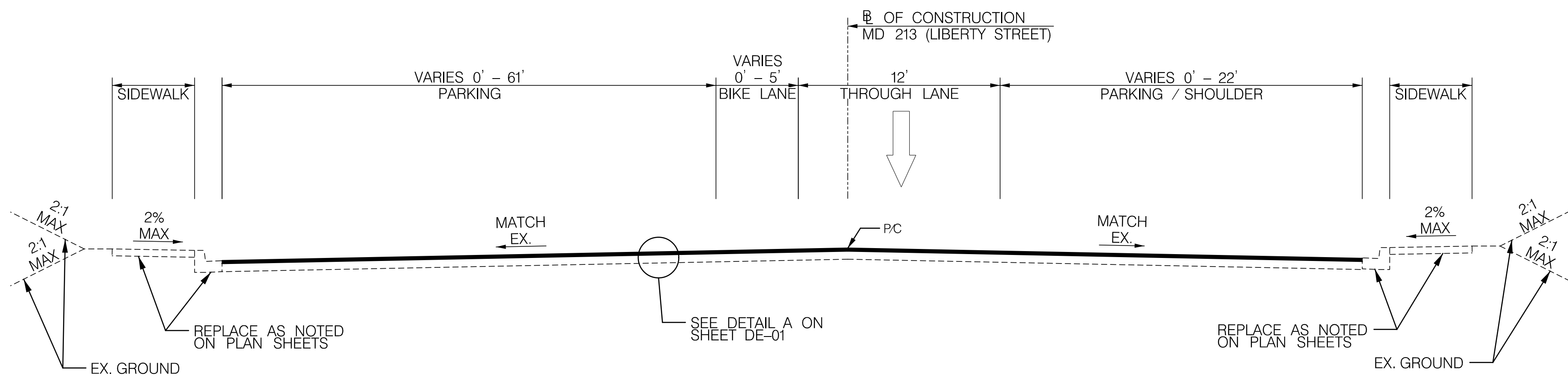
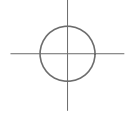
MD 213 (LIBERTY STREET) NORMAL TYPICAL SECTION
STA. 209 + 36 TO STA. 227 + 00



MD 213 (LIBERTY STREET) NORMAL TYPICAL SECTION
STA. 227 + 00 TO STA. 230 + 50



MD 213 (LIBERTY STREET) NORMAL TYPICAL SECTION
STA. 230 + 50 TO STA. 233 + 09



MD 213 (LIBERTY STREET) NORMAL TYPICAL SECTION
STA. 233 + 09 TO STA. 242 + 71

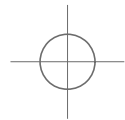
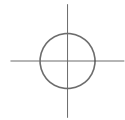
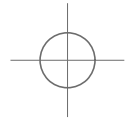


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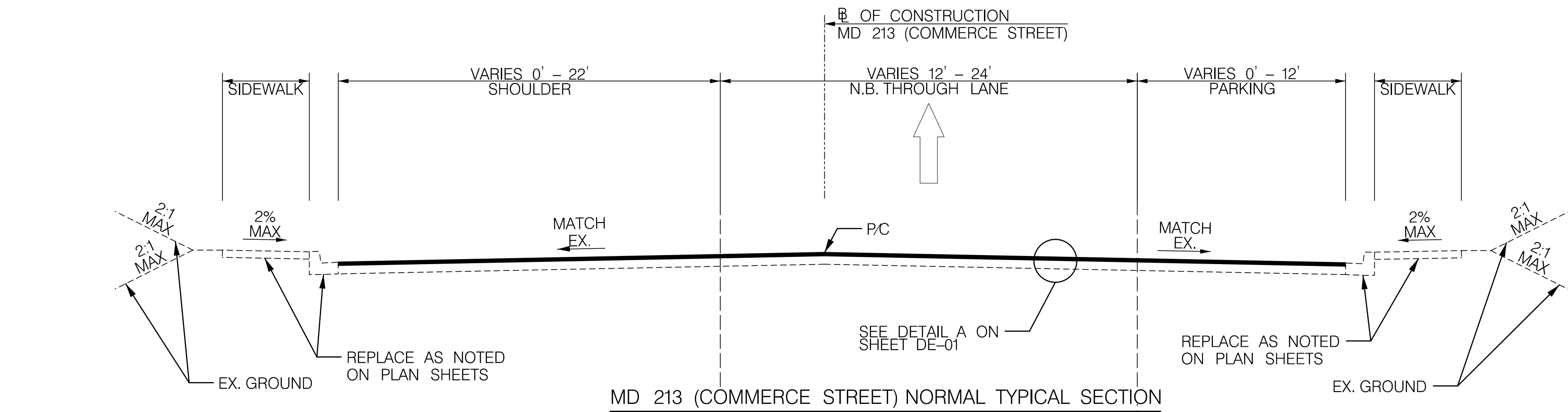


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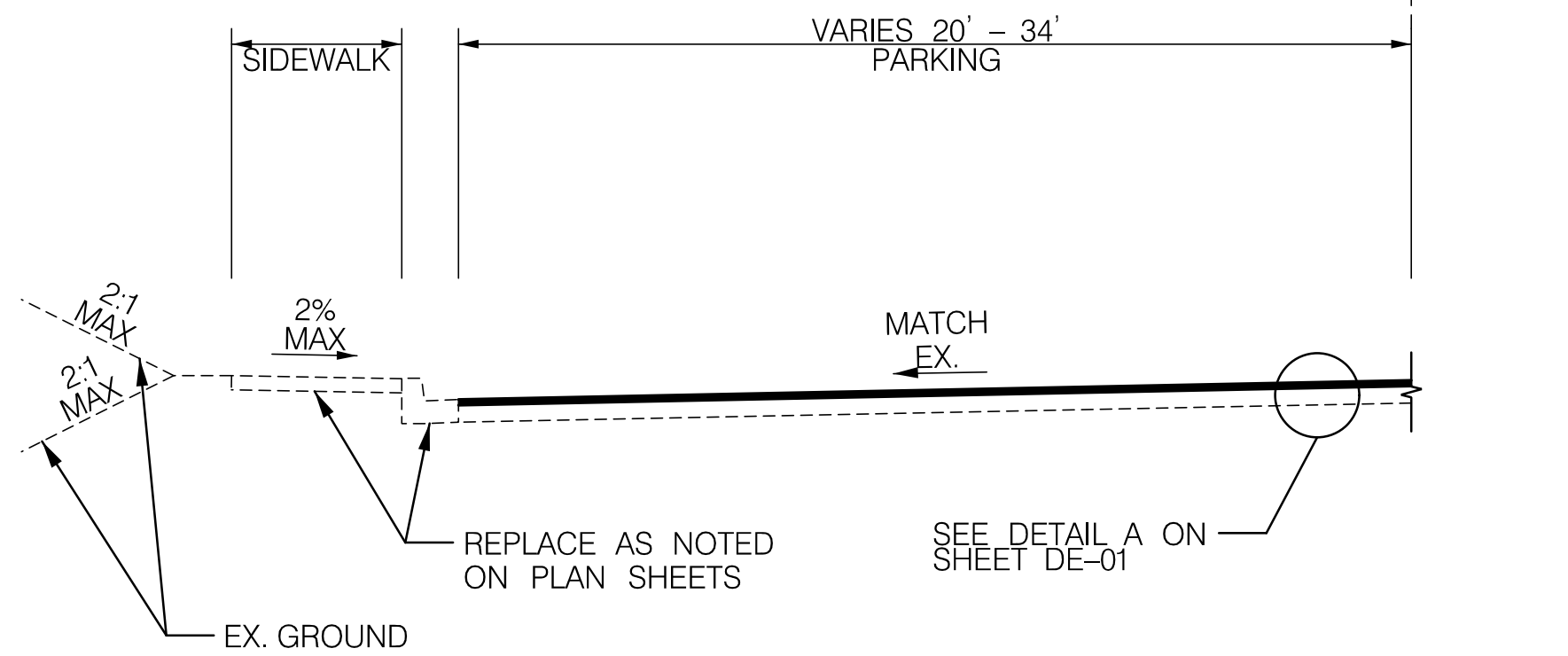


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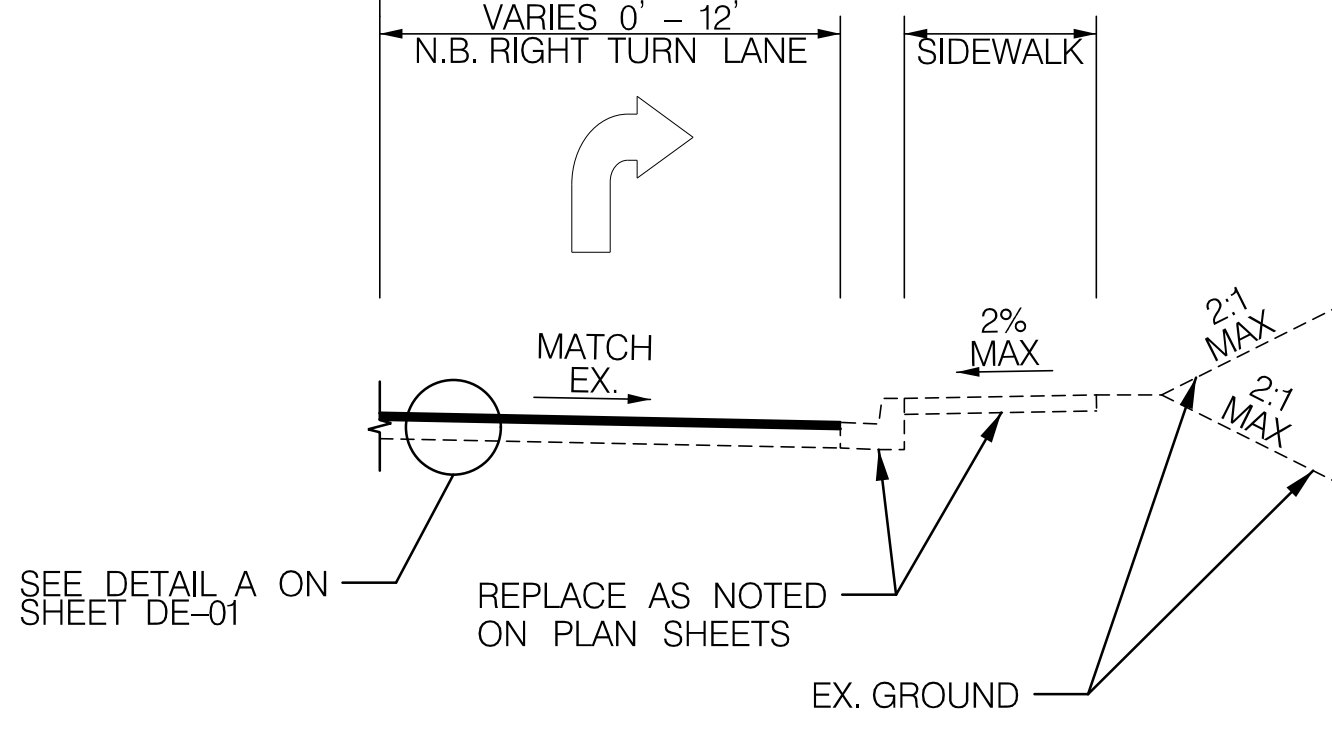
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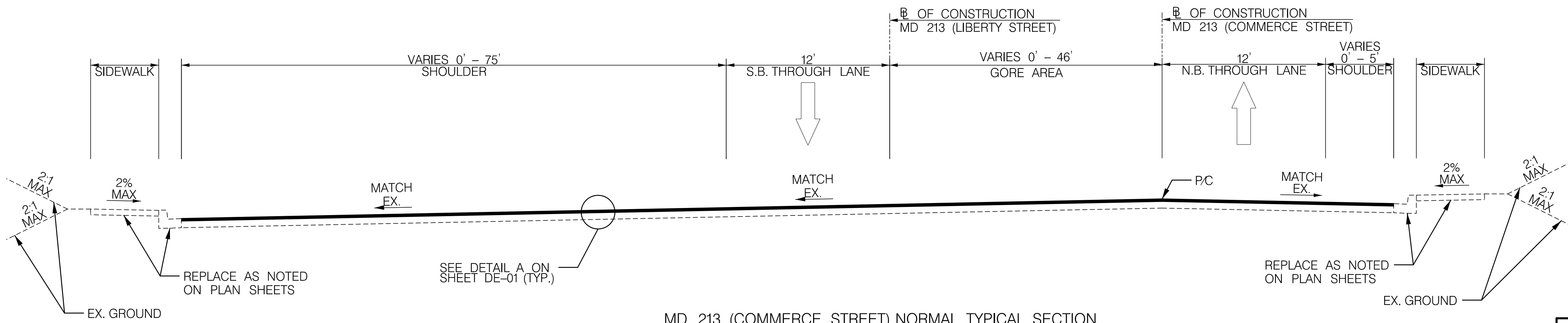
MD 213 (COMMERCE STREET) NORMAL TYPICAL SECTION



MD 213 (COMMERCE STREET) SUPER-ELEVATED TYPICAL SECTION



MD 213 (COMMERCE STREET) SUPER-ELEVATED TYPICAL SECTION

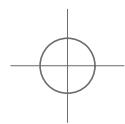
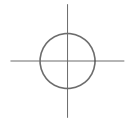
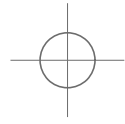


MD 213 (COMMERCE STREET) NORMAL TYPICAL SECTION

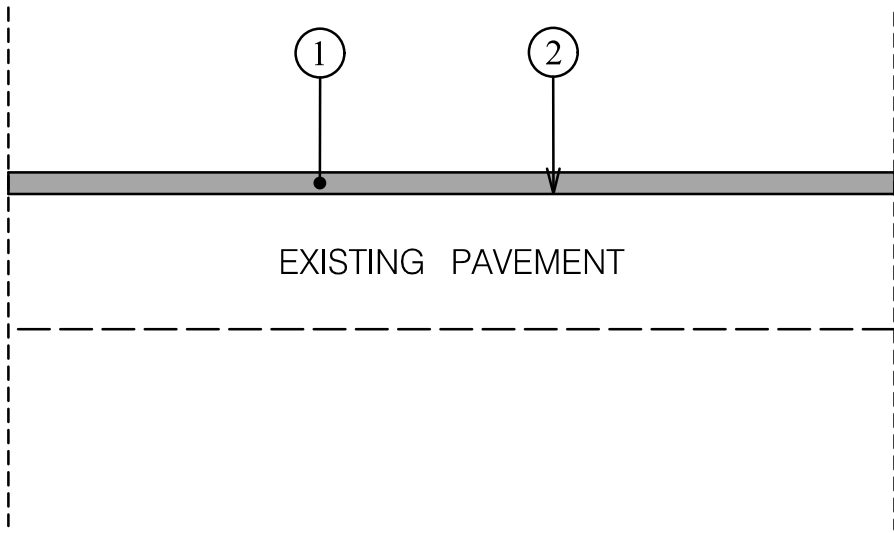


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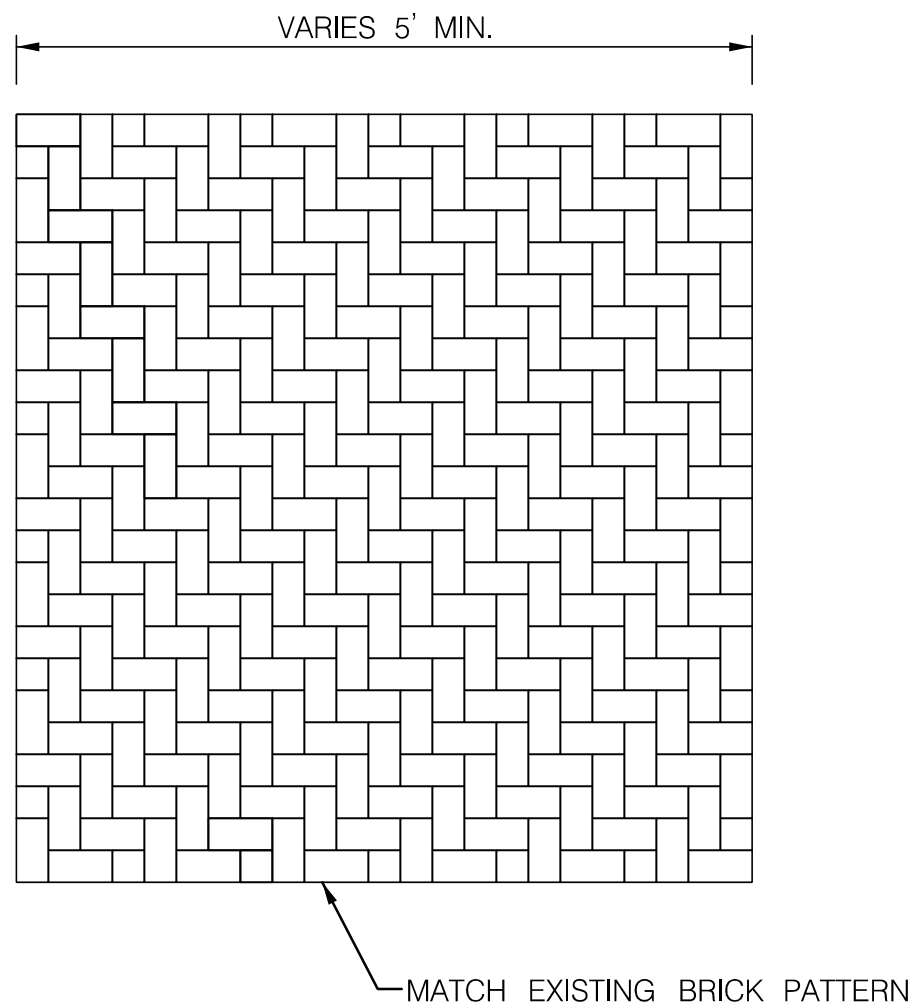
R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS	TYPICAL SECTIONS	
	ITEM		SCALE <u>N.T.S.</u> ADVERTISED DATE <u>DEC 2019</u> CONTRACT NO. <u>QA2985177</u>	
	SHEET NOS.		DESIGNED BY <u>DPK</u> COUNTY <u>QUEEN ANNE'S</u>	
	INDEX OF SHEETS.....	2	DRAWN BY <u>PNK</u> LOGMILE <u>7.06 - 7.85</u>	
	GENERAL NOTES SHEET.....	3	CHECKED BY <u>GGW</u> HORIZONTAL SCALE <u>N/A</u>	
	TYPICAL SECTIONS.....	4-5	MDE/PRD <u>EXEMPT</u> VERTICAL SCALE <u>N/A</u>	
	DETAIL SHEET.....	6	DRAWING NO. <u>TS-02</u> OF <u>TS-02</u> SHEET NO. <u>5</u> OF <u>30</u>	
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DETAIL A
FINE MILLING AND RESURFACING
NOT TO SCALE



DETAIL B
BRICK SIDEWALK
NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL USE CARE WHEN REMOVING EXISTING BRICKS AS TO NOT DAMAGE BRICKS WILL BE STOCKPILED OUTSIDE OF THE PEDESTRIAN WALKWAY DURING CONSTRUCTION.
2. CONTRACTOR SHALL ADJUST GRADE TO ALLOW THE USE OF EXISTING BRICK WITHOUT CUTTING OR ALTERING. DETAIL "C" ON RD-01 HAS BEEN PROVIDED FOR THE CONTRACTOR'S USE FOR MAXIMUM SLOPES THAT CANNOT BE EXCEEDED.
3. BRICKS SHALL BE PLACED IN A PATTERN THAT MATCHES EXISTING CONDITIONS. BRICKS SHALL NOT BE CUT OR MODIFIED AT THE EXTENT OF THE CONSTRUCTION AREA AND SHOULD BE FITTED TO ACHIEVE UNIFORMITY THROUGH RECONSTRUCTED SIDEWALK.
4. IF DURING CONSTRUCTION SIDEWALK BRICKS ARE DAMAGED, CONTRACTOR SHALL COORDINATE WITH MDOT SHA TO DISCUSS THE APPROPRIATE COLOR AND PLACEMENT. CONTRACTOR IS RESPONSIBLE FOR THE BRICK PLACEMENT DURING CONSTRUCTION.

PAVEMENT LEGEND

- ① 2" SUPERPAVE ASPHALT MIX 12.5 mm FOR SURFACE, HDFV, PG 64S-22, LEVEL 2
- ② TOP OF EXISTING PAVEMENT AFTER 2" FINE MILLING

NOTES:

1. INFORMATION FROM CONSTRUCTION HISTORY AND PAVEMENT CORES INDICATES THE FOLLOWING EXISTING PAVEMENT STRUCTURE ON 213:

MAINLINE:
2" TO 6.5" BITUMINOUS CONCRETE OVER 6.3" - 9" JOINTED PLAIN CONCRETE PAVEMENT

SHOULDERS:
4" TO 5.5" BITUMINOUS CONCRETE OVER STONE
2. FOR FULL-DEPTH PATCHING, REFER TO STANDARD MD 578.03, USE THE FOLLOWING:

VARIABLE DEPTH SUPERPAVE ASPHALT MIX 19.0MM FOR FULL-DEPTH PATCH, PG 64S-22, LEVEL 2


NOTE: FULL-DEPTH PATCHES MUST MATCH THE EXISTING ASPHALT THICKNESS OR THEY MUST BE 9", WHICHEVER IS THICKER.

IF THE UNDERLYING SUB-BASE LAYER IS DETERIORATED AT THE TIME OF FULL-DEPTH PATCH EXCAVATION, IT SHOULD BE REMOVED AND REPLACED WITH 6" GRADED AGGREGATE BASE COURSE.
3. FOR NEW CURB AND COMBINATION CURB AND GUTTER USE STANDARD 580.03, 620.02, AND 620.02-01.
4. IF WEDGE /LEVEL IS NEEDED TO MAKE GRADE OR CROSS SLOPE ADJUSTMENT USE THE FOLLOWING:

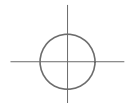
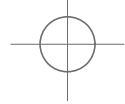
SUPERPAVE ASPHALT MIX 9.5MM FOR WEDGE /LEVEL, PG 64S-22, LEVEL 2 (1" MIN AND 2" MAX LIFT THICKNESS)



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			<div><p>MARYLAND DEPARTMENT OF TRANSPORTATION</p></div> <div>STATE HIGHWAY ADMINISTRATION</div>	DISTRICT 2 PROJECT DEVELOPMENT MD 213 (LIBERTY STREET AND COMMERCE STREET) FROM MILL STREAM BRANCH TO GRAVEL RUN SAFETY AND RESURFACING
			DETAIL SHEET	
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			DESIGNED BY DPK	COUNTY QUEEN ANNE'S
			DRAWN BY PNK	LOGMILE 7.06 - 7.85
			CHECKED BY GGW	HORIZONTAL SCALE N/A
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			DRAWING NO. DE-01 OF DE-01	SHEET NO. 6 OF 30

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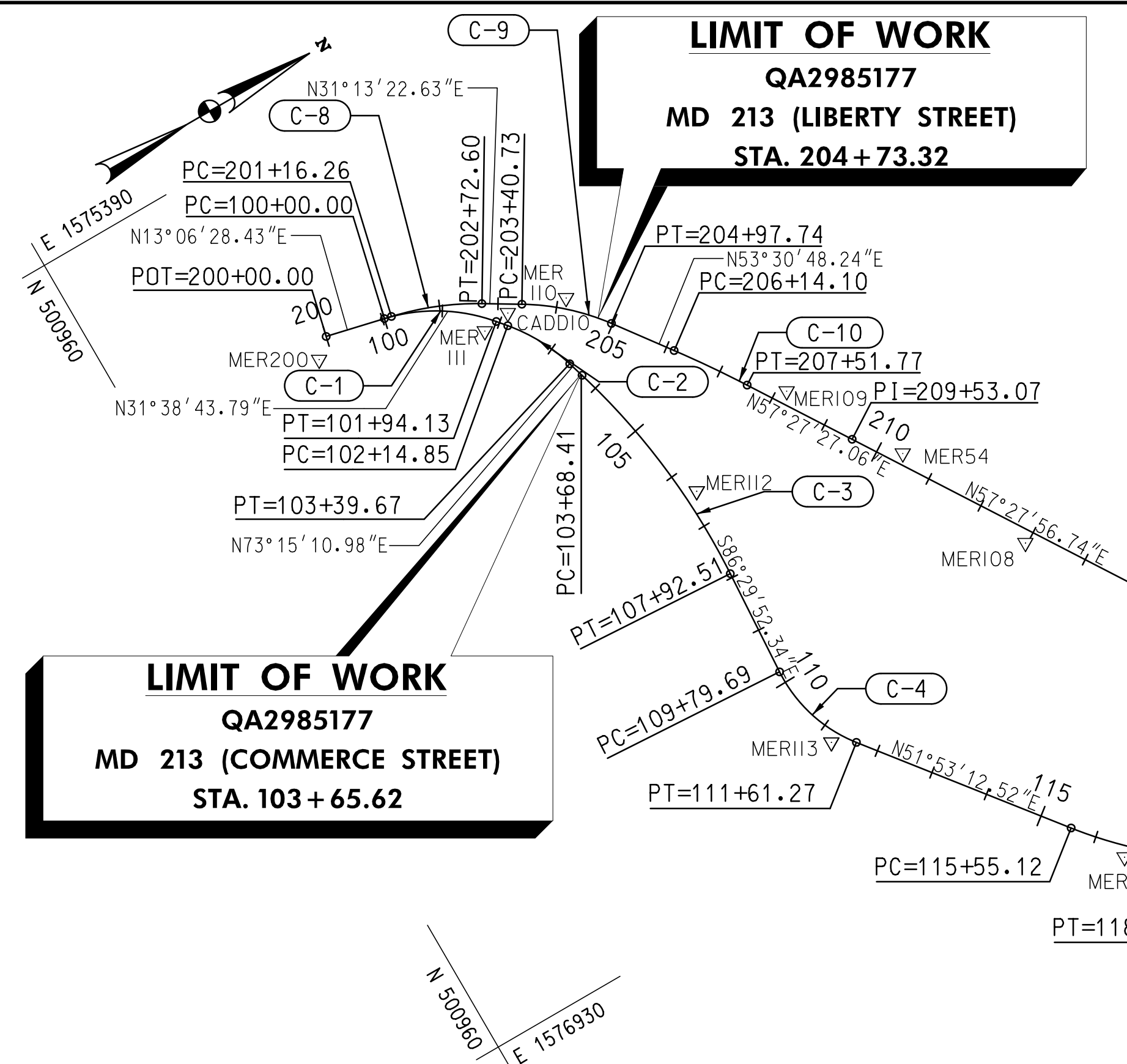


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BASELINE CONTROL COORDINATES						
BL CONSTRUCTION	POINT	NORTHING	EASTING	STATION	BEARING AH	RADIUS
MD 213 (LIBERTY STREET)	POB	501314.5436	1575735.9039	200+00.00	N 13°06'28.4262" E	
	PC	501427.7718	1575762.2693	201+16.26	N 13°06'28.4262" E	
	PI	501504.5306	1575780.1428	201+95.07	N 31°01'22.6286" E	
	CC	501314.3790	1576249.2417			500.0000'
	PT	501572.0697	1575820.7612	202+72.60	N 31°01'22.6286" E	
	PC	501630.4556	1575855.8749	203+40.73	N 31°01'22.6286" E	
	PI	501698.6100	1575896.8633	204+20.26	N 53°30'48.2382" E	
	CC	501424.3031	1576198.6593			400.0000'
	PT	501745.9014	1575960.8053	204+97.74	N 53°30'48.2382" E	
	PC	501815.0914	1576054.3559	206+14.10	N 53°30'48.2382" E	
	PI	501856.0409	1576109.7231	206+82.96	N 57°27'27.0617" E	
	CC	500207.0995	1577243.6254			2000.0000'
	PT	501893.0851	1576167.7758	207+51.77	N 57°27'27.0617" E	
	PI	502001.3654	1576337.4640	209+53.07	N 57°27'56.7442" E	
	PC	502355.7165	1576892.9510	216+11.95	N 57°27'56.7442" E	
	PI	502380.5151	1576931.8258	216+58.06	N 31°29'59.3708" E	
	CC	502524.3305	1576785.3903			200.0000'
	PT	502419.8313	1576955.9187	217+02.59	N 31°29'59.3708" E	
	PC	503722.9508	1577754.4659	232+30.92	N 31°29'59.3708" E	
	PI	503762.1978	1577778.5163	232+76.95	N 44°37'43.1585" E	
	CC	503513.9525	1578095.5226			400.0000'
	PT	503794.9561	1577810.8527	233+22.58	N 44°37'43.1585" E	
	PC	504171.0382	1578182.0912	238+51.02	N 44°37'43.1585" E	
	PI	504230.2463	1578240.5367	239+34.22	N 49°23'33.5590" E	
	CC	502766.0201	1579605.4408			2000.0000'
	PT	504284.3958	1578303.6977	240+17.32	N 49°23'33.5590" E	
	PC	504308.8454	1578332.2161	240+54.88	N 49°23'33.5590" E	
	PI	504341.0795	1578369.8145	241+04.41	N 68°08'25.8992" E	
	CC	504081.0891	1578527.4776			300.0000'
	PT	504359.5190	1578415.7782	241+53.05	N 68°08'25.8992" E	
	PC	504400.2859	1578517.3965	242+62.54	N 68°08'25.8992" E	
	PI	504430.6685	1578593.1304	243+44.14	N 45°04'47.8998" E	
	CC	504771.5258	1578368.4639			400.0000'

BASELINE CONTROL COORDINATES						
BL CONSTRUCTION	POINT	NORTHING	EASTING	STATION	BEARING AH	RADIUS
MD 213 (COMMERCE STREET)	PC	501415.5405	1575759.4213	100+00.00	N 13°06'28.4262" E	
	PI	501513.5170	1575782.2353	101+00.60	N 50°10'59.1446" E	
	CC	501347.5048	1576051.6047			300.0000'
	PT	501577.9332	1575859.5038	101+94.13	N 50°10'59.1446" E	
	PC	501591.2056	1575875.4242	102+14.85	N 50°10'59.1446" E	
	PI	501631.7180	1575924.0195	102+78.12	N 73°15'10.9823" E	
	CC	501353.0963	1576073.9285			310.0000'
	PT	501649.9482	1575984.6034	103+39.67	N 73°15'10.9823" E	
	PC	501658.2296	1576012.1250	103+68.41	N 73°15'10.9823" E	
	PI	501719.9742	1576217.3194	105+82.70	S 86°29'52.3419" E	
	CC	500509.1256	1576357.8994			1200.0000'
	PT	501706.8846	1576431.2021	107+92.51	S 86°29'52.3419" E	
	PC	501695.4506	1576618.0319	109+79.69	S 86°29'52.3419" E	
	PI	501689.6472	1576712.8589	110+74.69	N 51°53'12.5154" E	
	CC	501944.9838	1576633.3033			250.0000'
	PT	501748.2855	1576787.6076	111+61.27	N 51°53'12.5154" E	
	PC	501991.3789	1577097.4891	115+55.12	N 51°53'12.5154" E	
	PI	502080.2631	1577210.7936	116+99.13	N 30°08'54.8565" E	
	CC	502581.4736	1576634.5763			750.0000'
	PT	502204.7906	1577283.1208	118+39.68	N 30°08'54.8565" E	
	PI	502642.9985	1577537.6375	123+46.44	N 30°39'31.9315" E	
	PI	503392.2241	1577981.7680	132+17.41	N 31°11'15.2982" E	
	PC	503753.2269	1578200.2922	136+39.40	N 31°11'15.2982" E	
	PI	503905.0708	1578292.2072	138+16.89	N 28°47'42.1390" E	
	CC	508154.8807	1570928.7419			8500.0000'
	PT	504060.6195	1578377.7032	139+94.34	N 28°47'42.1390" E	
	PC	504303.8066	1578511.3690	142+71.84	N 28°47'42.1390" E	
	PI	504404.1151	1578566.5028	143+86.30	N 45°04'47.8998" E	
	CC	503918.4644	1579212.4478			800.0000'
	PT	504484.9388	1578647.5525	144+99.22	N 45°04'47.8998" E	
	POE	504542.6883	1578705.4634	145+81.00		

TRAVERSE CONTROL COORDINATES			
POINT	NORTHING	EASTING	ELEVATION
MER114	502045.2034	1577186.1637	40.45
MER115	502635.9284	1577555.5759	53.37
MER116	503037.5119	1577802.2953	57.08
MER117	503340.0663	1577926.5468	58.27
MER118	503670.5926	1578171.8932	52.13
MER119	503995.2283	1578360.8357	39.12
MER120	504367.0351	1578569.9795	13.63
MER200	501284.3515	1575764.2401	16.41
MER50	504133.9474	1578174.4455	43.13
MER51	503250.9241	1577446.4212	58.50
MER52	502865.6376	1577255.0344	59.29
MER53	502543.3821	1577055.6550	56.55
MER54	502063.9549	1576401.5179	24.35
MER55	502366.5309	1577398.5984	47.74
MER56	503236.0054	1577872.2185	59.11
MER57	503852.4432	1578277.0888	47.75

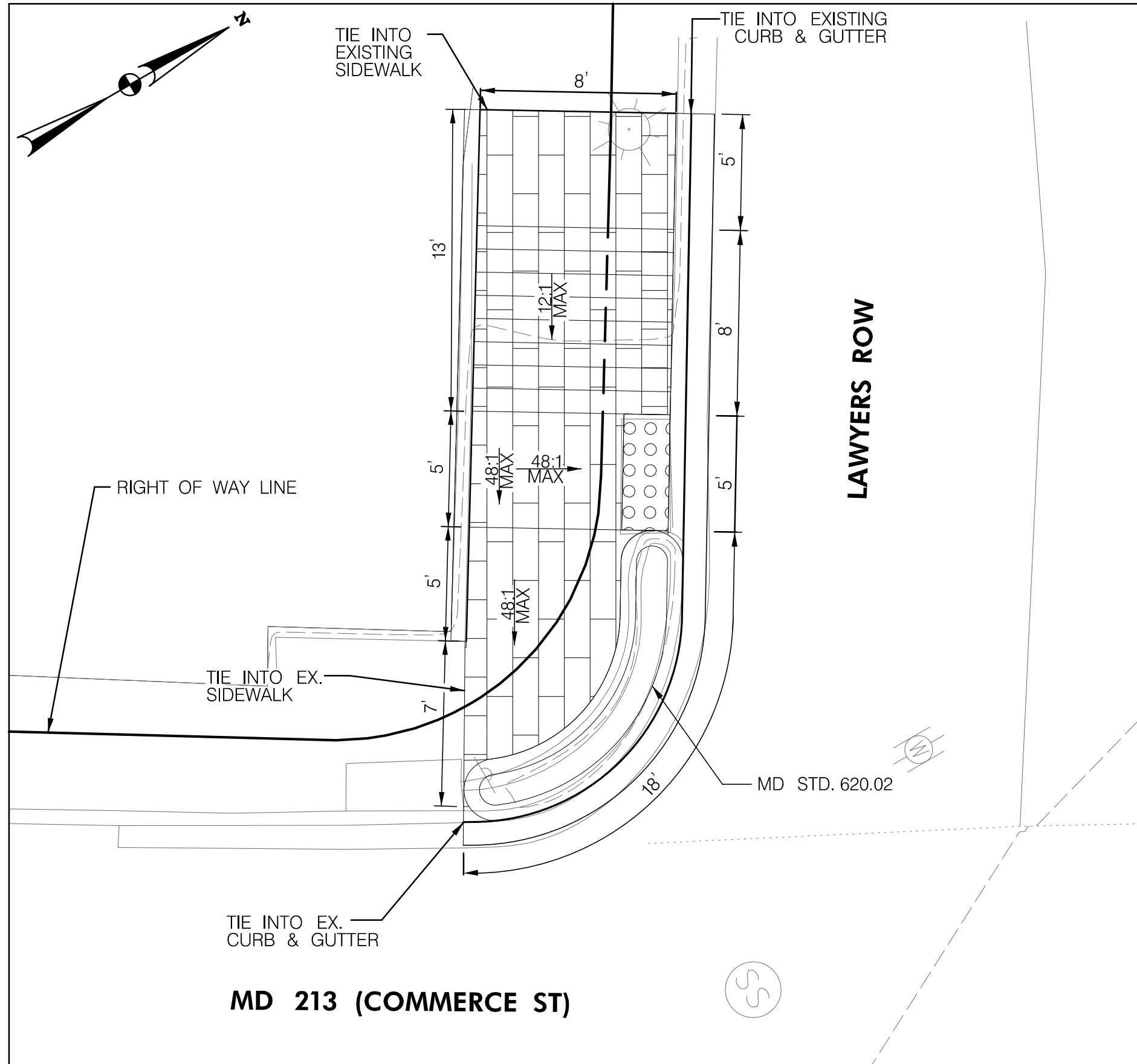
TRAVERSE CONTROL COORDINATES			
POINT	NORTHING	EASTING	ELEVATION
213D	504965.7480	1579125.7520	38.77
CADD10	501602.2239	1575856.7321	6.09
MER100	504393.4401	1578542.7494	13.47
MER101	504281.3593	1578278.9943	34.65
MER102	504045.2244	1578076.3062	44.24
MER103	503697.8214	1577714.7422	56.17
MER104	503377.7813	1577564.8672	58.21
MER105	503072.6597	1577378.3524	59.68
MER106	502707.1763	1577155.8714	58.35
MER107	502370.3014	1576949.6421	53.64
MER108	502168.1044	1576638.3432	40.08
MER109	501946.1867	1576210.4541	13.08
MER110	501700.9983	1575884.5663	4.40
MER111	501552.8505	1575863.9507	5.54
MER112	501728.0003	1576280.9865	7.67
MER113	501711.4753	1576766.0914	19.56

CURVE DATA									
BASELINE CONSTRUCTION	CURVE NO.	DELTA	Dc	R	T	L	E	CENTER OF CURVE	
								NORTHING	EASTING
MD 213 (COMMERCE STREET)	C-1	37°04'30.7182"	19°05'54.9353"	300.0000'	100.5976'	194.1253'	16.4172	501347.5048	1576051.6047
	C-2	23°04'11.8380"	18°28'57.0342"	310.0000'	63.2673'	124.8205'	6.3902	501353.0963	1576073.9285
	C-3	20°14'56.6755"	4°46'28.7338"	1200.0000'	214.2828'	424.0957'	18.982	500509.1256	1576357.8994
	C-4	41°36'55.1425"	22°55'05.9225"	250.0000'	95.0043'	181.5811'	17.4431	501944.9838	1576633.3033
	C-5	21°44'17.6591"	7°38'21.9741"	750.0000'	144.0081'	284.5529'	13.7004	502581.4736	1576634.5763
	C-6	2°23'33.1592"	0°40'26.6448"	8500.0000'	177.4963'	354.9411'	1.853	508154.8807	1570928.7419
	C-7	16°17'05.7608"	7°09'43.1008"	800.0000'	114.4619'	227.3806'	8.147	503918.4644	1579212.4478
MD 213 (LIBERTY STREET)	C-8	17°54'54.2024"	11°27'32.9612"	500.0000'	78.8123'	156.3384'	6.1733	501314.3790	1576249.2417
	C-9	22°29'25.6095"	14°19'26.2016"	400.0000'	79.5303'	157.0129'	7.8297	501424.3031	1576198.6593
	C-10	3°56'38.8235"	2°51'53.2403"	2000.0000'	68.8650'	137.6757'	1.1852	500207.0995	1577243.6254
	C-11	25°57'57.3732"	28°38'52.4031"	200.0000'	46.1110'	90.6382'	5.2467	502524.3305	1576785.3903
	C-12	13°07'43.7877"	14°19'26.2016"	400.0000'	46.0298'	91.6565'	2.6397	503513.9525	1578095.5226
	C-13	4°45'50.4005"	2°51'53.2403"	2000.0000'	83.1954'	166.2950'	1.7296	502766.0201	1579605.4408
	C-14	18°44'52.3402"	19°05'54.9353"	300.0000'	49.5245'	98.1636'	4.0603	504081.0891	1578527.4776
	C-15	23°03'37.9994"	14°19'26.2016"	400.0000'	81.6011'	160.9930'	8.2386	504771.5258	1578368.4639

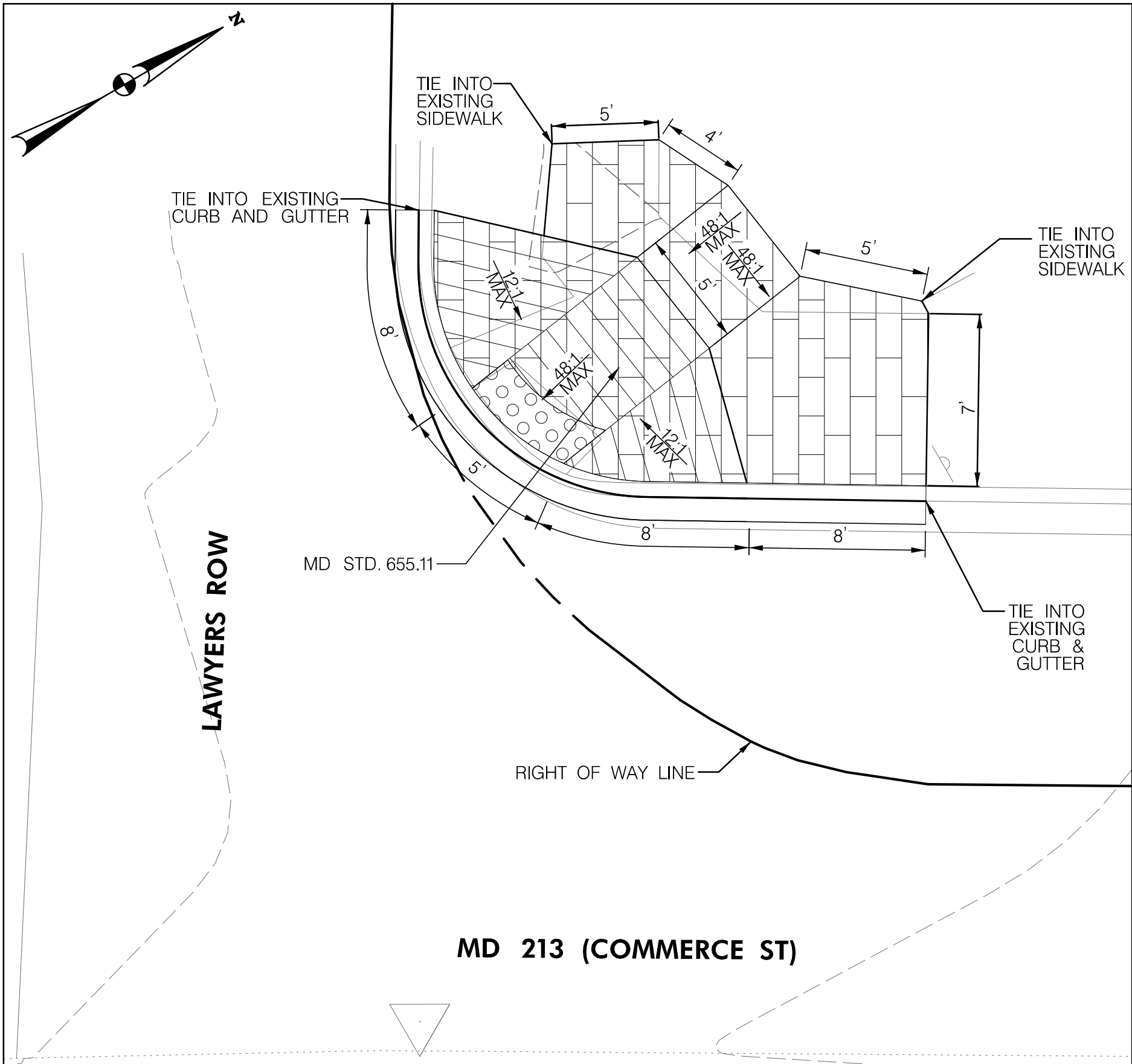


DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

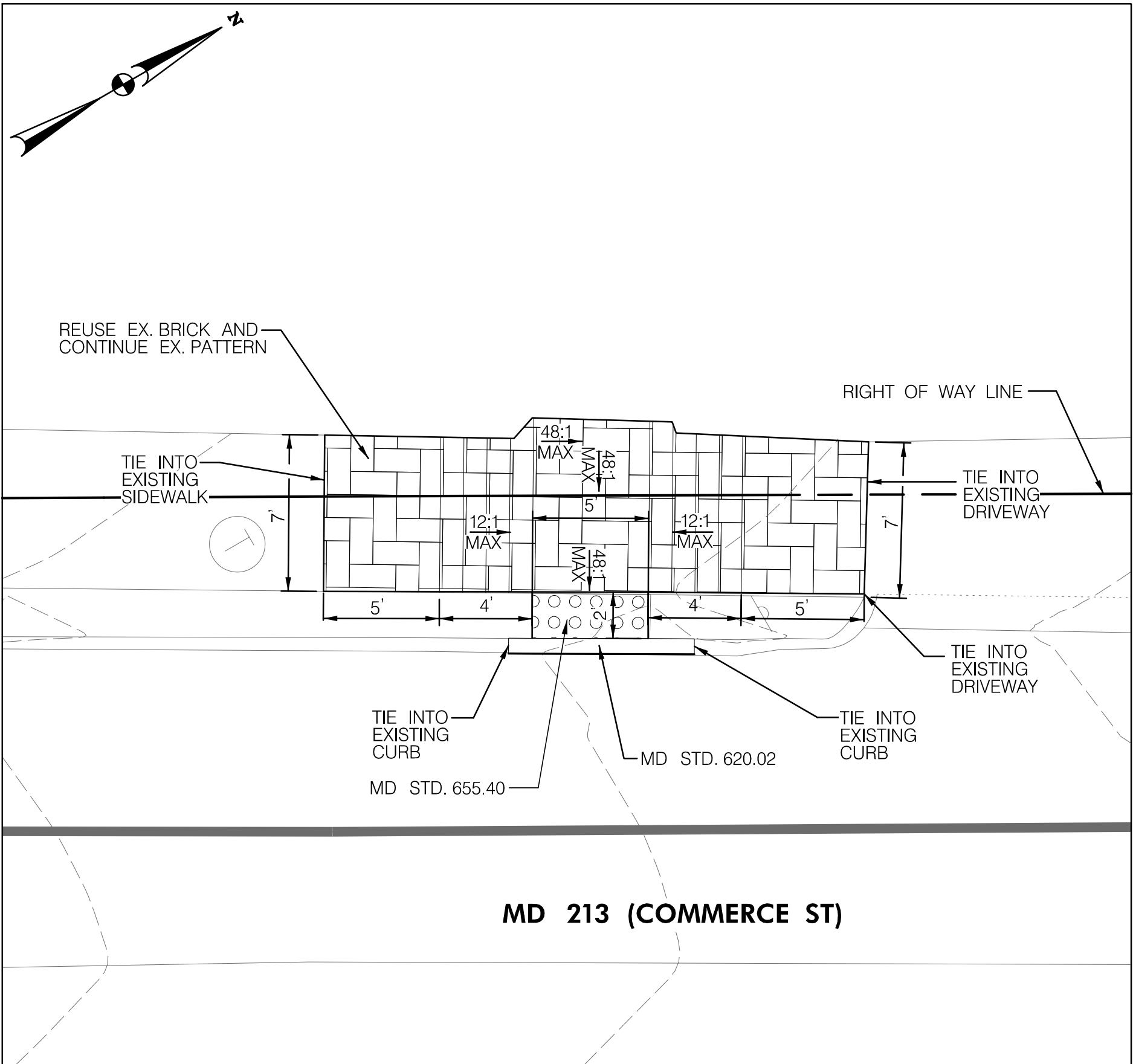
R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS	GEOMETRIC LAYOUT SHEET	
	ITEM	SHEET NOS.	SCALE 1"=200' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177	
	INDEX OF SHEETS.....	2	DESIGNED BY DPK COUNTY QUEEN ANNE'S	
	GENERAL NOTES SHEET.....	3	DRAWN BY PNK LOGMILE 7.06 - 7.85	
	TYPICAL SECTIONS.....	4-5	CHECKED BY GGW HORIZONTAL SCALE N/A	
	DETAIL SHEET.....	6	MDE/PRD EXEMPT VERTICAL SCALE N/A	
	GEOMETRIC LAYOUT SHEET.....	7	DRAWING NO. GS-01 OF GS-01 SHEET NO. 7 OF 30	
	RAMP CONSTRUCTION DETAIL.....	8		
	SITE LAYOUT SHEET.....	9		
	ROADWAY PLANS.....	10-28		
	EROSION AND SEDIMENT CONTROL NOTES.....	29		
	MAINTENANCE OF TRAFFIC NOTES.....	30		



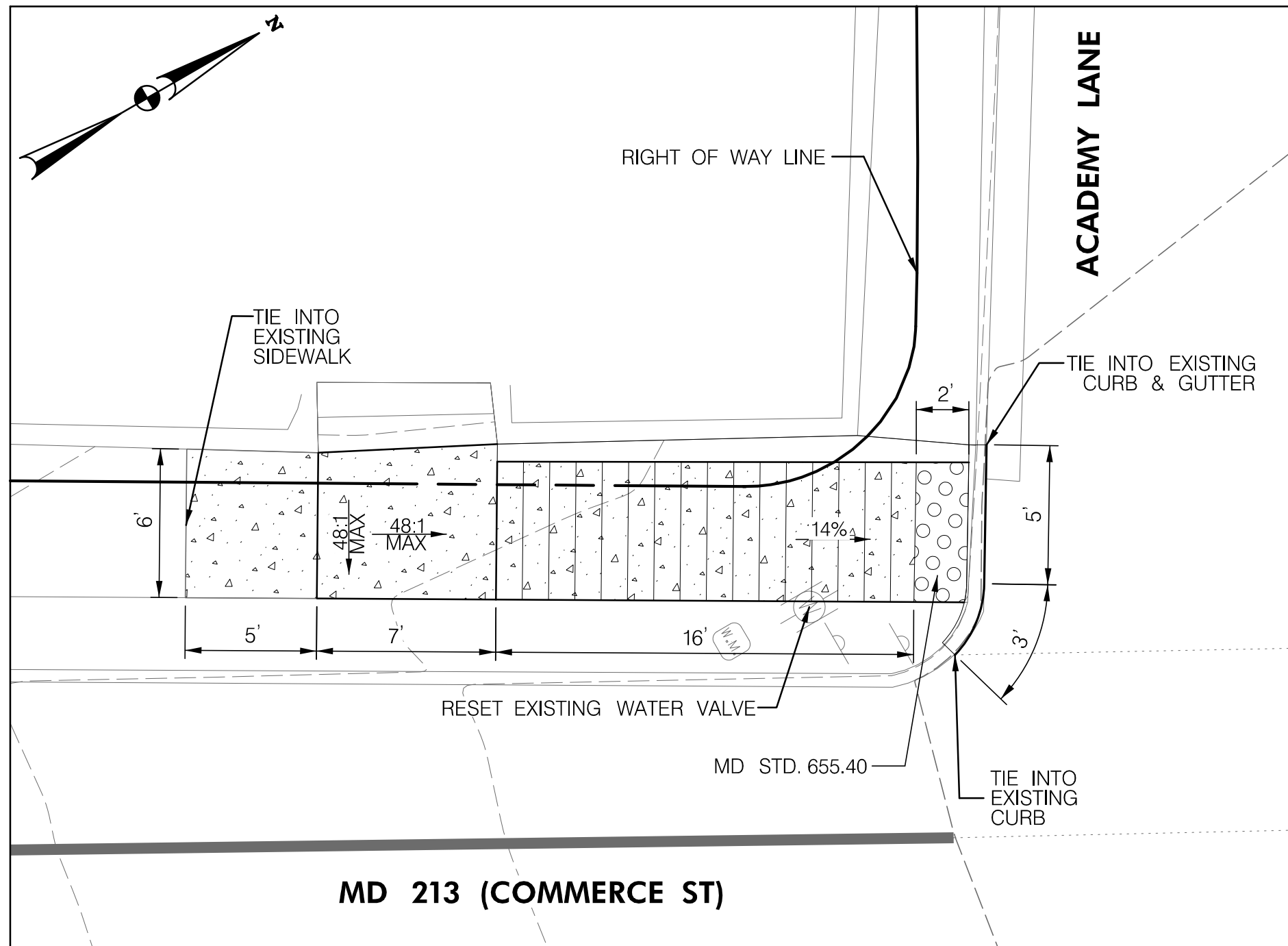
RAMP DETAIL "A" STA. 129+83



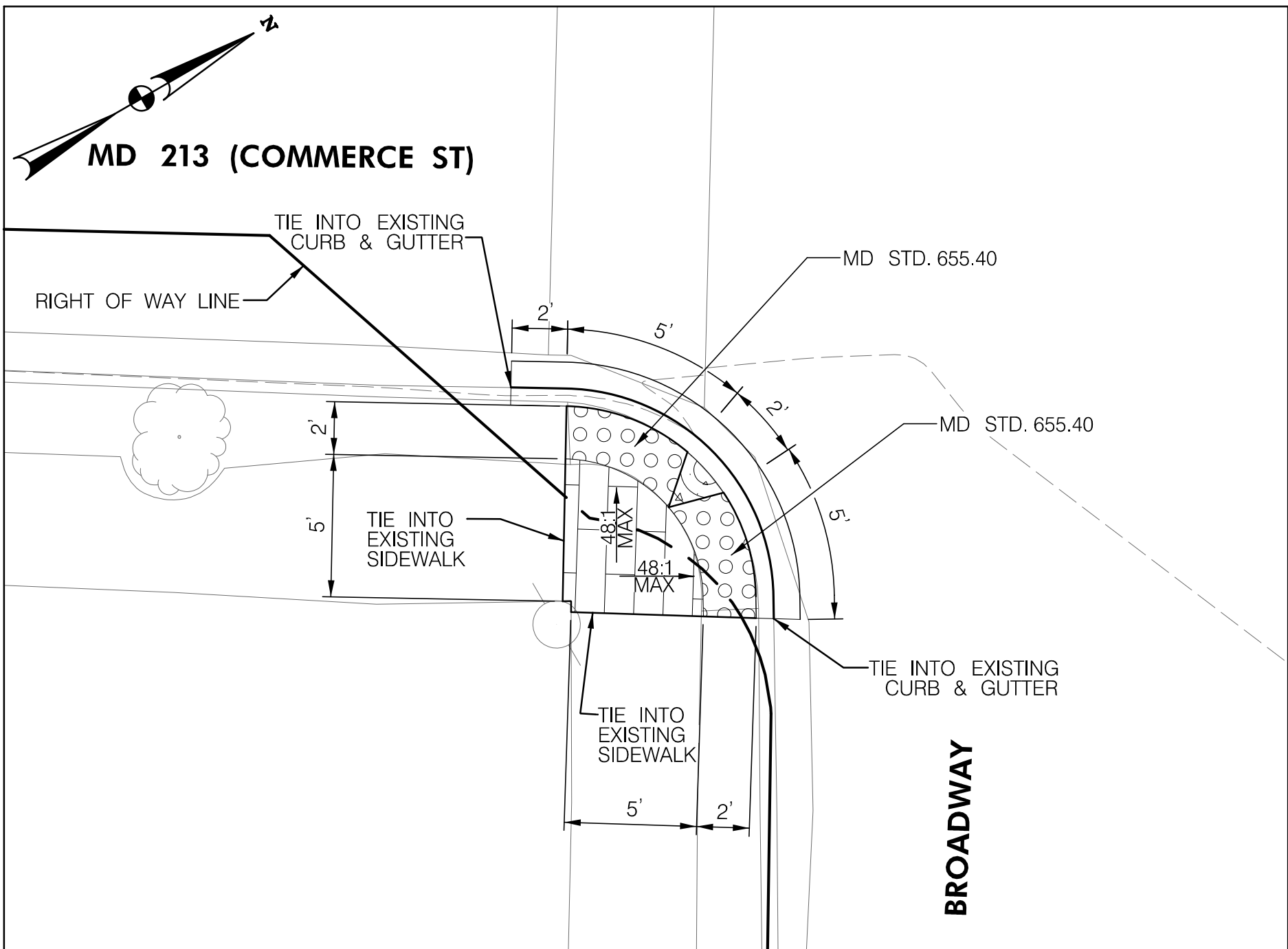
RAMP DETAIL "B" STA. 130+32



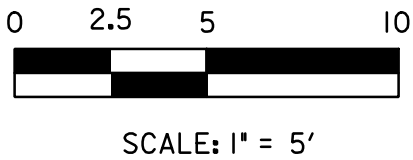
RAMP DETAIL "C" STA. 137+79



RAMP DETAIL "D" STA. 138+00



RAMP DETAIL "E" STA. 229+90



STATE HIGHWAY
ADMINISTRATION

DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

RAMP CONSTRUCTION DETAIL SHEET

SCALE 1" = 5' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. RC-01 OF RC-01 SHEET NO. 8 OF 30



509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

BY: kdhodge -

PLOTTED: Monday, December 09, 2019, AT 09:43 PM

BY: khodge -



509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

PLOTTED: Monday, December 09, 2019 AT 01:43 PM
FILE: \\baserver1\Projects\5871_MD_MDSHA_SurveyEng\07_On-site_Support for Fund 77\300_CADD\Plan_Set\Roadway\MD 213\pSL-P001_MD 213.dgn

E 1575140
N 501000

E 1575140
N 504630

0 100 200 400
SCALE: 1" = 200'



DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

SITE LAYOUT SHEET

SCALE 1" = 200' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. SL-01 OF SL-01 SHEET NO. 9 OF 30

R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS	SITE LAYOUT SHEET	
	ITEM	SHEET NOS.		
	INDEX OF SHEETS	2		
	GENERAL NOTES SHEET	3		
	TYPICAL SECTIONS	4-5		
	DETAIL SHEET	6		
	GEOMETRIC LAYOUT SHEET	7		
	RAMP CONSTRUCTION DETAIL	8		
	SITE LAYOUT SHEET	9		
	ROADWAY PLANS	10-28		
	EROSION AND SEDIMENT CONTROL NOTES	29		
	MAINTENANCE OF TRAFFIC NOTES	30		



OLD

M L L

STREAM

CENTREVILLE
E.S.

DRAPER LA

HOMENOOD

CHESTERFIELD AVE

304

BOARD
OF
EDUCATION

SEWAGE
DISPOSAL
PLANT

213

N 504630

E 1579040

305

HOPE RD

KING CT

GLENDAL
AVE

WINDSOR
AVE

ALBERSON
AVE

NEWNAM AVE

BELVEDERE AVE

BROADWAY

POWELL ST

PS-08

ALLEY #2

JOHNSTOWN
LA

PS-09

ACADEMY
LA

N COMMERCE ST

PS-18

ALLEY #3

TURPIN'S
LA

PS-17

HAYDENS
LA

PS-16

BANJO
LA

PS-06

LIBERTY ST

PS-05

WEDDON ST

213

FAYETTE
ST

PS-04

CHURCH
LA

213

COMMERCE ST

PS-14

LADY
LA

HAPPY
ST

KIDWELL

PENNSYLVANIA AVE

AL #4

TILGHMAN AVE

PRICE
ST

RAILROAD

304

LITTLE HUT DR

HOLTON
ST

LITTLE
KIDWELL
AVE

SPRING ST

CENTREVILLE

CENTREVILLE
MEM.
PARK

PS-02

RDGEVIEW
AVE

PS-03

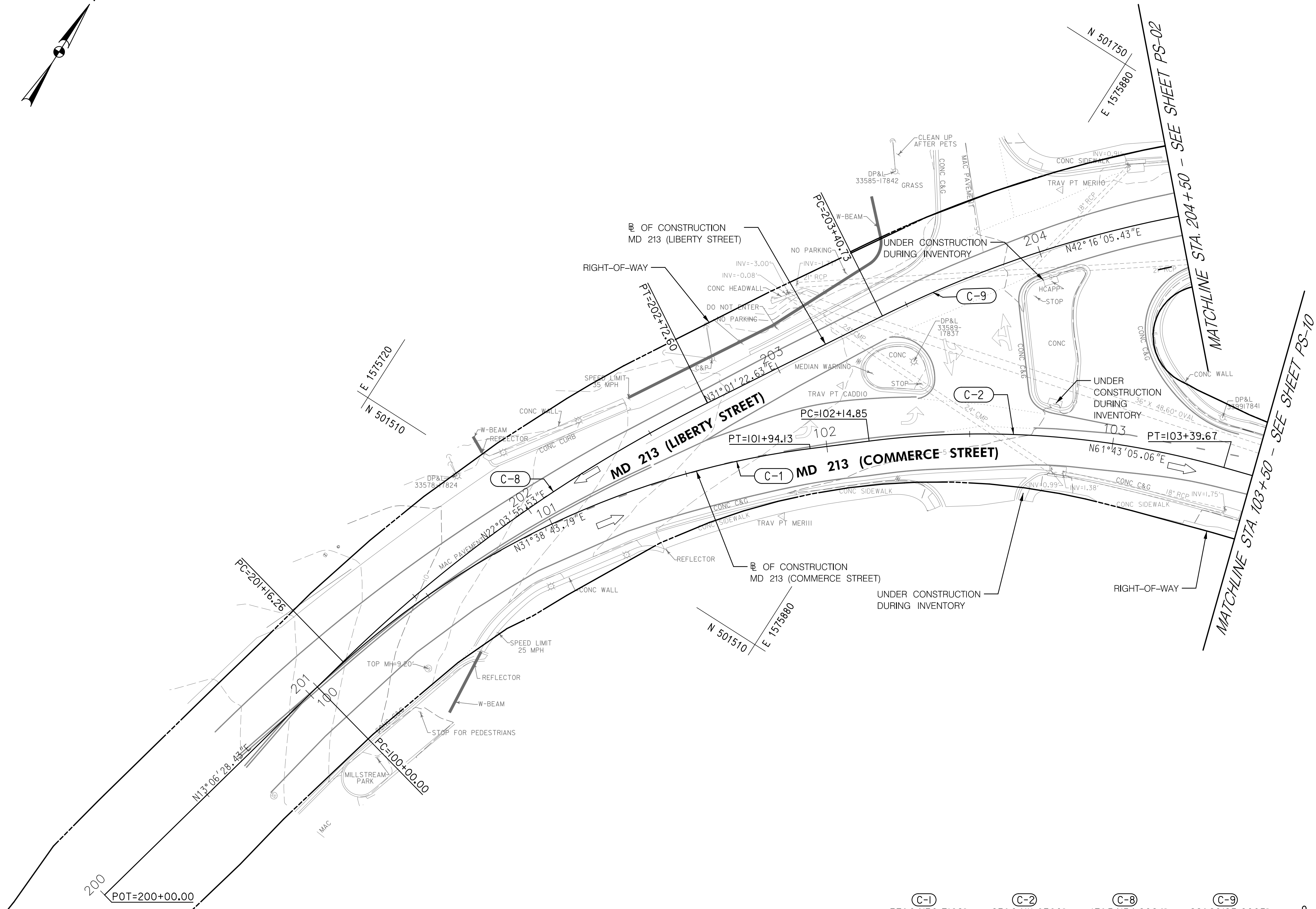
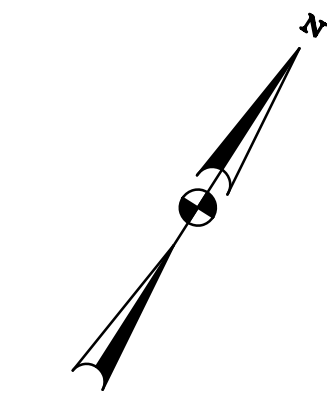
PS-01

PS-10

PS-11

213

CENTREVILLE
RD



NOTE: THIS SHEET FOR INFORMATION PURPOSES ONLY.



MARYLAND DEPARTMENT
OF TRANSPORTATION

STATE HIGHWAY
ADMINISTRATION

DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

C-1	C-2	C-8	C-9
$\Delta=37^{\circ}04'30.7182''$	$\Delta=23^{\circ}04'41.8380''$	$\Delta=17^{\circ}54'54.2024''$	$\Delta=22^{\circ}29'25.6095''$
$D_C=19^{\circ}05'54.9353''$	$D_C=18^{\circ}28'57.0342''$	$D_C=11^{\circ}27'32.9612''$	$D_C=14^{\circ}19'26.2016''$
$R=300.0000''$	$R=310.0000''$	$R=500.0000''$	$R=400.0000''$
$T=100.5976''$	$T=63.2673''$	$T=78.8123''$	$T=79.9533''$
$L=194.1253''$	$L=124.8205''$	$L=156.3384''$	$L=157.0129''$
$E=16.4172$	$E=6.3902$	$E=6.1733$	$E=7.8297$



PAVEMENT MARKING LEGEND

- | | |
|----------|--|
| A | 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID) |
| B | 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP) |
| C | 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID) |
| D | 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID) |
| E | 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID) |
| F | WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS |
| G | BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW |
| H | SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW |

NOTES:

1. SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.
2. ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SP 704 IN PERVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
3. CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND	R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS
<div>----- RIGHT-OF-WAY LINE</div> <div><div>➡</div> EXISTING TRAFFIC FLOW ARROW</div>		ITEM	SHEET NOS.
		INDEX OF SHEETS.....	2
		GENERAL NOTES SHEET.....	3
		TYPICAL SECTIONS	4-5
		DETAIL SHEET	6
		GEOMETRIC LAYOUT SHEET.....	7
		RAMP CONSTRUCTION DETAIL.....	8
		SITE LAYOUT SHEET.....	9
		ROADWAY PLANS	10-28
		EROSION AND SEDIMENT CONTROL NOTES.....	29
MAINTENANCE OF TRAFFIC NOTES.....	30		

ROADWAY PLAN SHEET

SCALE 1"=20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
 DRAWN BY PNK LOGMILE 7.06 - 7.85
 CHECKED BY GGW HORIZONTAL SCALE N/A
 MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO.	PS-01 OF PS-19	SHEET NO.	10 OF 30
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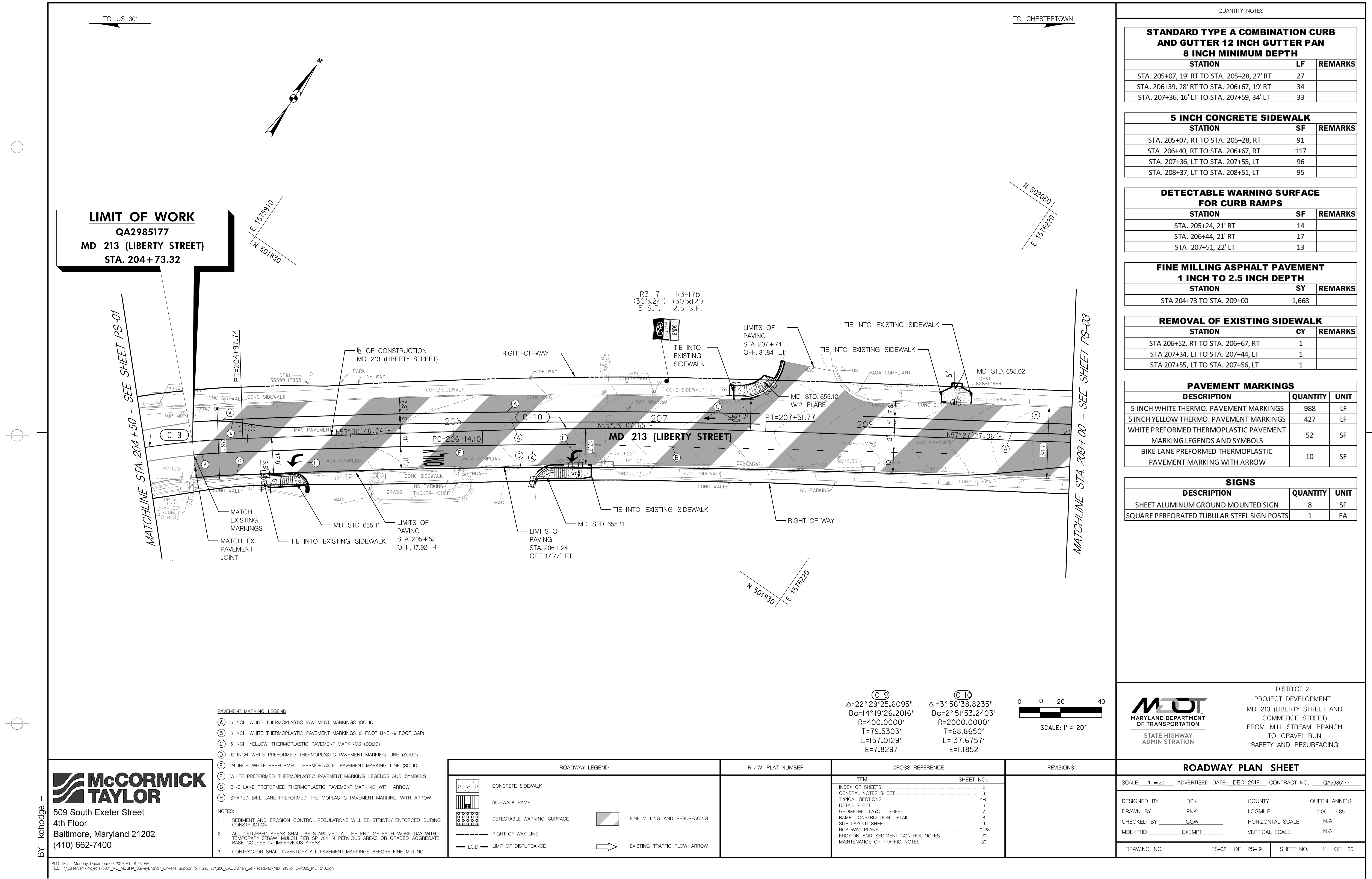


**McCORMICK
TAYLOR**

509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

BY: kdhodge -

FILE: \\baserver1\Projects\5871_MD_MSHA_SurveyEng\07_On-site_Support for Fund 77\300_CADD\Plan_Set\Roadway\MD 213\pHID-P001_MD 213.dgn



QUANTITY NOTES

STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		
STATION	LF	REMARKS
STA. 205+07, 19' RT TO STA. 205+28, 27' RT	27	
STA. 206+39, 28' RT TO STA. 206+67, 19' RT	34	
STA. 207+36, 16' LT TO STA. 207+59, 34' LT	33	

5 INCH CONCRETE SIDEWALK		
STATION	SF	REMARKS
STA. 205+07, RT TO STA. 205+28, RT	91	
STA. 206+40, RT TO STA. 206+67, RT	117	
STA. 207+36, LT TO STA. 207+55, LT	96	
STA. 208+37, LT TO STA. 208+51, LT	95	


DETECTABLE WARNING SURFACE FOR CURB RAMPS		
STATION	SF	REMARKS
STA. 205+24, 21' RT	14	
STA. 206+44, 21' RT	17	
STA. 207+51, 22' LT	13	

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA 204+73 TO STA. 209+00	1,668	

REMOVAL OF EXISTING SIDEWALK		
STATION	CY	REMARKS
STA 206+52, RT TO STA. 206+67, RT	1	
STA 207+34, LT TO STA. 207+44, LT	1	
STA 207+55, LT TO STA. 207+56, LT	1	

PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	988	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	427	LF
WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS	52	SF
BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	10	SF

SIGNS		
DESCRIPTION	QUANTITY	UNIT
SHEET ALUMINUM GROUND MOUNTED SIGN	8	SF
SQUARE PERFORATED TUBULAR STEEL SIGN POSTS	1	EA




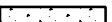




STATE HIGHWAY ADMINISTRATION

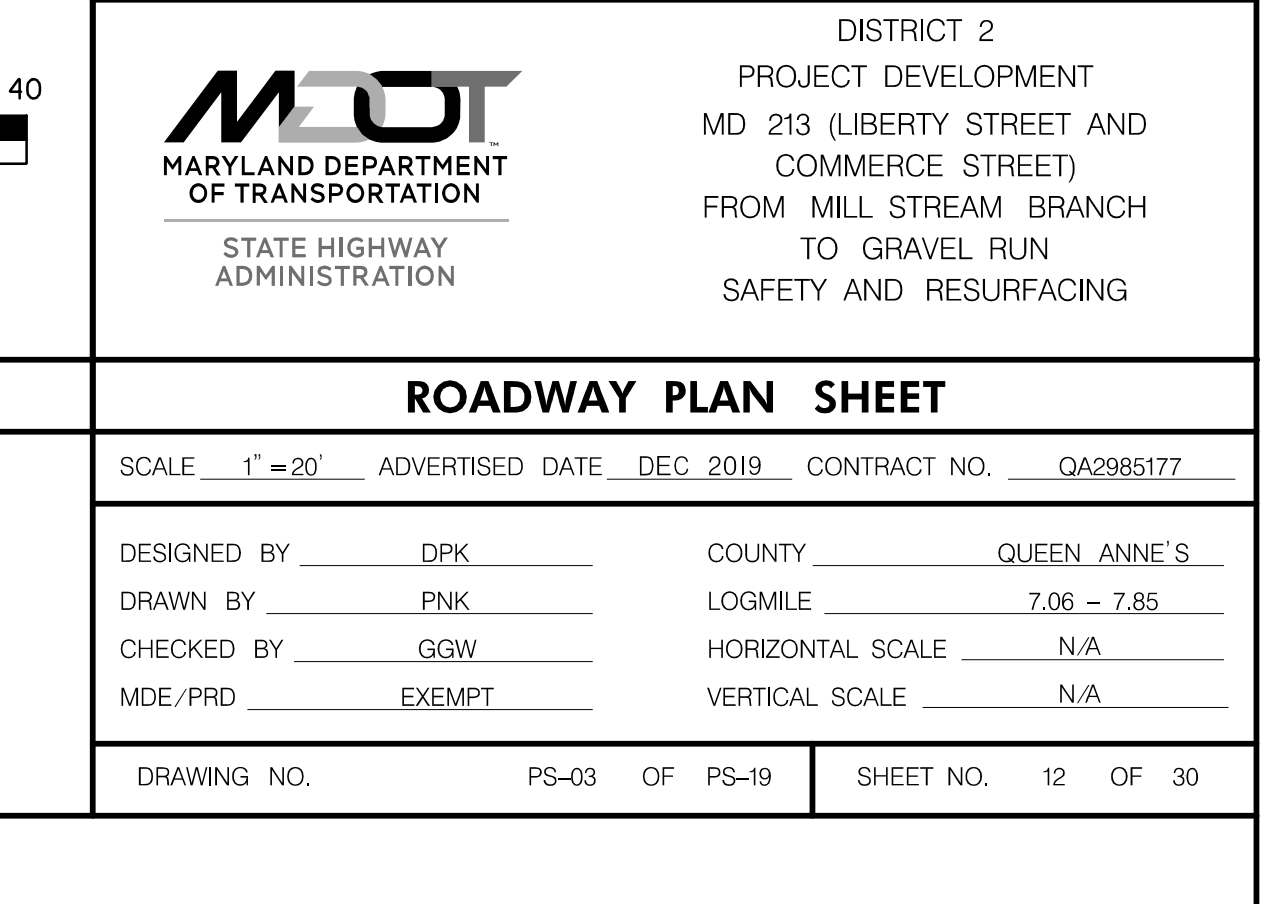
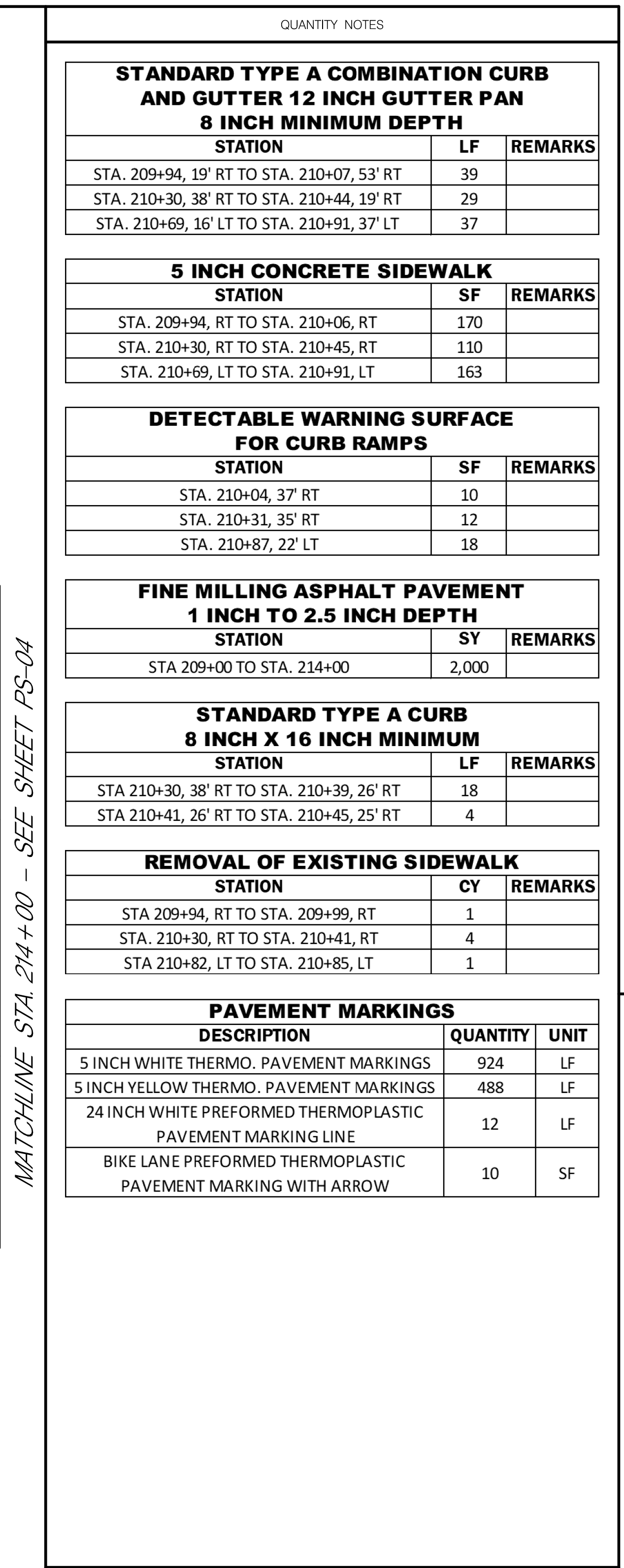
DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND COMMERCE STREET)
FROM MILL STREAM BRANCH TO GRAVEL RUN
SAFETY AND RESURFACING

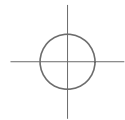
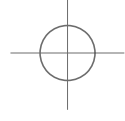
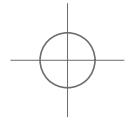
ROADWAY PLAN SHEET		
SCALE 1"=20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177		
DESIGNED BY DPK	COUNTY QUEEN ANNE'S	
DRAWN BY PNK	LOGMILE 7.06 - 7.85	
CHECKED BY GGW	HORIZONTAL SCALE N/A	
MDE/PRD EXEMPT	VERTICAL SCALE N/A	
DRAWING NO. PS-02	OF PS-19	SHEET NO. 11 OF 30



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ROADWAY LEGEND		R / W PLAT NUMBER	CROSS REFERENCE	
	CONCRETE SIDEWALK		ITEM	SHEET NOS.
	SIDEWALK RAMP		INDEX OF SHEETS.....	2
	DETECTABLE WARNING SURFACE		GENERAL NOTES SHEET.....	3
	FINE MILLING AND RESURFACING		TYPICAL SECTIONS.....	4-5
	RIGHT-OF-WAY LINE		DETAIL SHEET.....	6
	LOD LIMIT OF DISTURBANCE		GEOMETRIC LAYOUT SHEET.....	7
			RAMP CONSTRUCTION DETAIL.....	8
			SITE LAYOUT SHEET.....	9
			ROADWAY PLANS.....	10-28
			EROSION AND SEDIMENT CONTROL NOTES.....	29
			MAINTENANCE OF TRAFFIC NOTES.....	30





BY: khodge



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PAVEMENT MARKING LEGEND

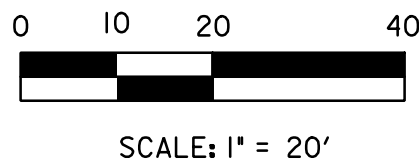
- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
(G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

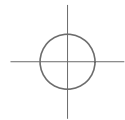
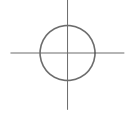
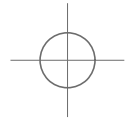
- SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SP 704 IN PERVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
- CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND	R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS
<div><div></div><div>RIGHT-OF-WAY LINE</div></div> <div><div></div><div>EXISTING TRAFFIC FLOW ARROW</div></div>		<div>ITEM</div> <div>SHEET NOS.</div> <div>INDEX OF SHEETS..... 2</div> <div>GENERAL NOTES SHEET..... 3</div> <div>TYPICAL SECTIONS..... 4-5</div> <div>DETAIL SHEET..... 6</div> <div>GEOMETRIC LAYOUT SHEET..... 7</div> <div>RAMP CONSTRUCTION DETAIL..... 8</div> <div>SITE LAYOUT SHEET..... 9</div> <div>ROADWAY PLANS..... 10-28</div> <div>EROSION AND SEDIMENT CONTROL NOTES..... 29</div> <div>MAINTENANCE OF TRAFFIC NOTES..... 30</div>	

(C-11)
 $\Delta=25^{\circ}57'57.3732''$
 $Dc=28^{\circ}38'52.4031''$
 $R=200.0000'$
 $T=46.1110'$
 $L=90.6382'$
 $E=5.2467$



QUANTITY NOTES		
FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA. 214+00 TO STA. 218+50	1,584	
PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	692	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	450	LF
BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	20	SF
SIGNS		
DESCRIPTION	QUANTITY	UNIT
SHEET ALUMINUM GROUND MOUNTED SIGN	7	SF
SQUARE PERFORATED TUBULAR STEEL SIGN POSTS	1	EA
ROADWAY PLAN SHEET		
SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177		
DESIGNED BY DPK COUNTY QUEEN ANNE'S		
DRAWN BY PNK LOGMILE 7.06 - 7.85		
CHECKED BY GGW HORIZONTAL SCALE N/A		
MDE/PRD EXEMPT VERTICAL SCALE N/A		
DRAWING NO. PS-04 OF PS-19 SHEET NO. 13 OF 30		



BY: khodge

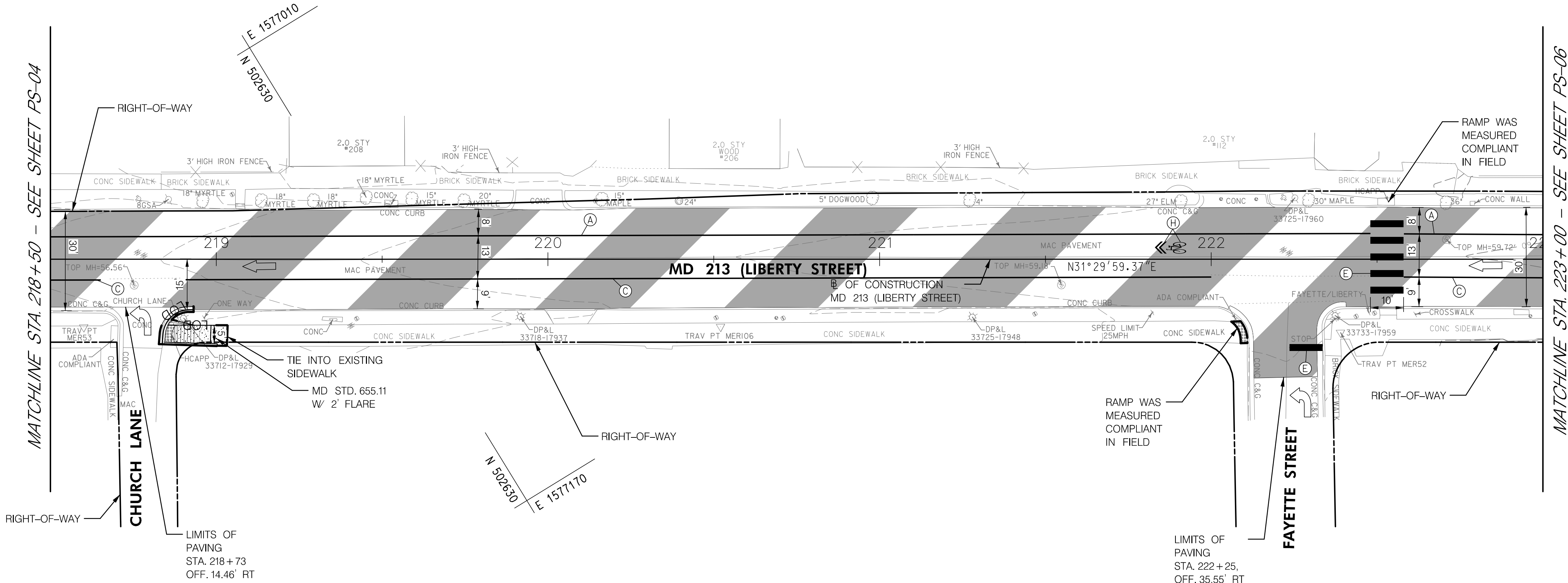


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PLOTTED: Monday, December 09, 2019 AT 01:43 PM
FILE: \\baserver1\Projects\5871_MD_MSHA_SurveyEng\07_On-site_Support for Fund 771300_CADD\Plan_Sets\Roadway\MD 213\pHD-P005_MD 213.dgn

TO US 301

TO CHESTERTOWN



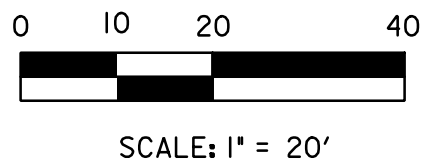
PAVEMENT MARKING LEGEND

- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
- (B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
- (C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
- (D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
- (E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
- (F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
- (G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
- (H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

- SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SP 704 IN PERVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
- CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND		R / W PLAT NUMBER		CROSS REFERENCE		REVISIONS	
	CONCRETE SIDEWALK			ITEM	SHEET NOS.		
	SIDEWALK RAMP			INDEX OF SHEETS.....	2		
	DETECTABLE WARNING SURFACE			GENERAL NOTES SHEET.....	3		
	RIGHT-OF-WAY LINE			TYPICAL SECTIONS.....	4-5		
	LOD - LIMIT OF DISTURBANCE			DETAIL SHEET.....	6		
	FINE MILLING AND RESURFACING			GEOMETRIC LAYOUT SHEET.....	7		
	EXISTING TRAFFIC FLOW ARROW			RAMP CONSTRUCTION DETAIL.....	8		
				SITE LAYOUT SHEET.....	9		
				ROADWAY PLANS.....	10-28		
				EROSION AND SEDIMENT CONTROL NOTES.....	29		
				MAINTENANCE OF TRAFFIC NOTES.....	30		



QUANTITY NOTES

STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		
STATION	LF	REMARKS
STA. 218+84, 26' RT TO STA. 218+93, 15' RT	16	


5 INCH CONCRETE SIDEWALK		
STATION	SF	REMARKS
STA. 218+85, RT TO STA. 219+03, RT	109	

DETECTABLE WARNING SURFACE FOR CURB RAMPS		
STATION	SF	REMARKS
STA. 218+86, 23' RT	11	
STA. 222+09, 22' RT	14	

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA 218+50 TO STA. 223+00	1,538	

STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM		
STATION	LF	REMARKS
STA 218+84, 26' RT TO STA. 219+00, 26' RT	16	

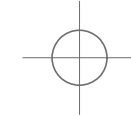
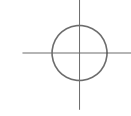
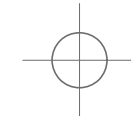
PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	440	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	368	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	60	LF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	9	SF



STATE HIGHWAY ADMINISTRATION

DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND COMMERCE STREET)
FROM MILL STREAM BRANCH TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET		
SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177		
DESIGNED BY DPK	COUNTY QUEEN ANNE'S	
DRAWN BY PNK	LOGMILE 7.06 - 7.85	
CHECKED BY GGW	HORIZONTAL SCALE N/A	
MDE/PRD EXEMPT	VERTICAL SCALE N/A	
DRAWING NO. PS-05	OF PS-19	SHEET NO. 14 OF 30



BY: khodge -



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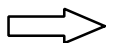
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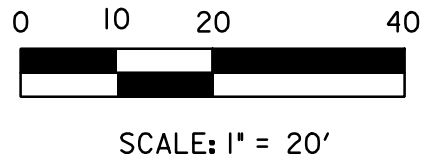
PAVEMENT MARKING LEGEND

- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
(G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

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3. CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND	R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS
 FINE MILLING AND RESURFACING		ITEM SHEET NOS.	
 RIGHT-OF-WAY LINE		INDEX OF SHEETS..... 2	
 EXISTING TRAFFIC FLOW ARROW		GENERAL NOTES SHEET..... 3	
		TYPICAL SECTIONS..... 4-5	
		DETAIL SHEET..... 6	
		GEOMETRIC LAYOUT SHEET..... 7	
		RAMP CONSTRUCTION DETAIL..... 8	
		SITE LAYOUT SHEET..... 9	
		ROADWAY PLANS..... 10-28	
		EROSION AND SEDIMENT CONTROL NOTES..... 29	
		MAINTENANCE OF TRAFFIC NOTES..... 30	



TO US 301

TO CHESTERTOWN


MATCHLINE STA 223+00 - SEE SHEET PS-05

MATCHLINE STA 227+50 - SEE SHEET PS-07

QUANTITY NOTES

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA. 223+00 TO STA. 227+50	1,565	

PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	421	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	387	LF
12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	232	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	29	LF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	9	SF



STATE HIGHWAY
ADMINISTRATION

DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

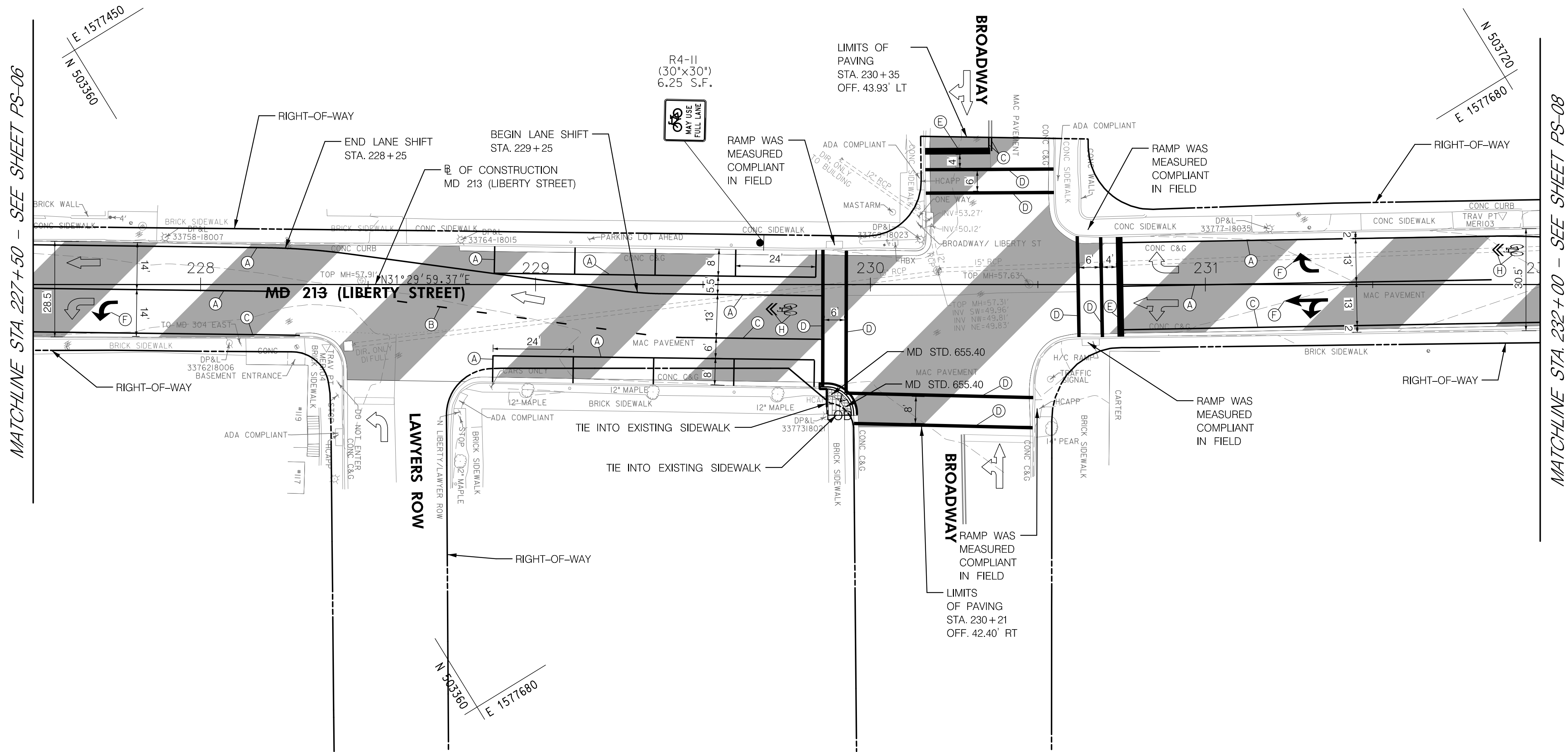
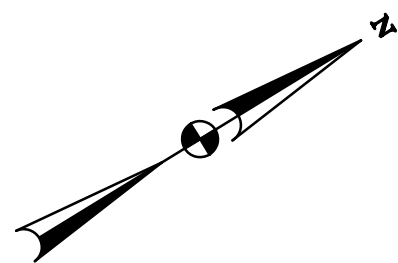
SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. PS-06 OF PS-19 SHEET NO. 15 OF 30

TO US 301

TO CHESTERTOWN



PAVEMENT MARKING LEGEND

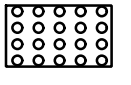

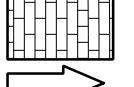
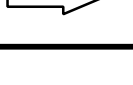
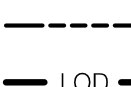

- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
(G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

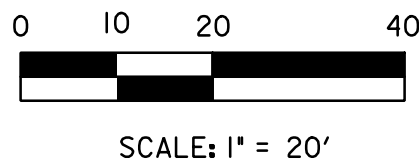
NOTES:

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3. CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.



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ROADWAY LEGEND		R / W PLAT NUMBER		CROSS REFERENCE		REVISIONS	
 DETECTABLE WARNING SURFACE		 FINE MILLING AND RESURFACING		 BRICK SIDEWALK		 EXISTING TRAFFIC FLOW ARROW	
 RIGHT-OF-WAY LINE		 LIMIT OF DISTURBANCE					



QUANTITY NOTES

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA. 227+50 TO STA. 232+00	1,840	

STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		
STATION	LF	REMARKS
STA. 229+85, 31' RT TO STA. 229+95, 39' RT	15	

BRICK SIDEWALK		
STATION	SF	REMARKS
STA. 229+87, RT TO STA. 229+92, RT	25	

DETECTABLE WARNING SURFACE USING BRICK PAVERS		
STATION	SF	REMARKS
STA. 229+89, 33' RT	10	
STA. 229+93, 37' RT	10	

5 INCH CONCRETE SIDEWALK		
STATION	SF	REMARKS
STA. 229+92, RT TO STA. 229+93, RT	2	

PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	867	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	257	LF
12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	333	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	50	LF
WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS	57	SF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	18	SF

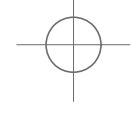
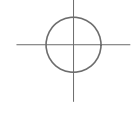
SIGNS		
DESCRIPTION	QUANTITY	UNIT
SHEET ALUMINUM GROUND MOUNTED SIGN	7	SF
SQUARE PERFORATED TUBULAR STEEL SIGN POSTS	1	EA



DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1"=20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177		
DESIGNED BY DPK	COUNTY QUEEN ANNE'S	
DRAWN BY PNK	LOGMILE 7.06 - 7.85	
CHECKED BY GGW	HORIZONTAL SCALE N/A	
MDE/PRD EXEMPT	VERTICAL SCALE N/A	
DRAWING NO. PS-07	OF PS-19	SHEET NO. 16 OF 30



STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		
STATION	LF	REMARKS
STA. 232+53, 12' RT TO STA. 232+79, 36' RT	42	

BRICK SIDEWALK		
STATION	SF	REMARKS
STA. 232+57, RT TO STA. 232+78, RT	173	

DETECTABLE WARNING SURFACE USING BRICK PAVERS		
STATION	SF	REMARKS
STA. 232+74, 19' RT	13	

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA 232+00 TO STA. 236+00	1,237	

REMOVAL OF EXISTING SIDEWALK		
STATION	CY	REMARKS
STA 232+54, RT TO STA. 232+57, RT	1	

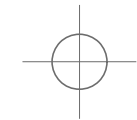
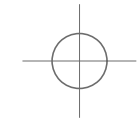
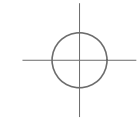
PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	400	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	400	LF

FILE: \\baserver1\Projects\5871_MD_MCSHA_SurveyEng\07_On-site Support for Fund 77\300_CADD\Plan Set\Roadway\MD 213\pHD-P008_MD 213.dgn

- NOTES:
1. SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.
 2. ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SD 704 IN PERVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
 3. CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

R / W PLAT NUMBER	CROSS REFERENCE	
	ITEM	SHEET NOS.
	INDEX OF SHEETS.....	2
	GENERAL NOTES SHEET.....	3
	TYPICAL SECTIONS.....	4-5
	DETAIL SHEET.....	6
	GEOMETRIC LAYOUT SHEET.....	7
	RAMP CONSTRUCTION DETAIL.....	8
	SITE LAYOUT SHEET.....	9
	ROADWAY PLANS.....	10-28
	EROSION AND SEDIMENT CONTROL NOTES.....	29
	MAINTENANCE OF TRAFFIC NOTES.....	30

REVISIONS	ROADWAY PLAN SHEET							
	SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177							
	DESIGNED BY DPK		COUNTY QUEEN ANNE'S					
	DRAWN BY PNK		LOGMILE 7.06 - 7.85					
	CHECKED BY GGW		HORIZONTAL SCALE N/A					
	MDE/PRD EXEMPT		VERTICAL SCALE N/A					
DRAWING NO.		PS-08	OF	PS-19	SHEET NO.	17	OF	30



BY: khodge -



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PAVEMENT MARKING LEGEND

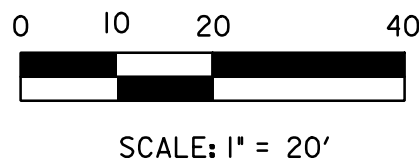
- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
(G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

- SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SP 704 IN PVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
- CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND	R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS
<div><div></div><div>RIGHT-OF-WAY LINE</div></div> <div><div></div><div>FINE MILLING AND RESURFACING</div></div> <div><div></div><div>EXISTING TRAFFIC FLOW ARROW</div></div>		<div>ITEM</div> <div>SHEET NOS.</div> <div>INDEX OF SHEETS..... 2</div> <div>GENERAL NOTES SHEET..... 3</div> <div>TYPICAL SECTIONS..... 4-5</div> <div>DETAIL SHEET..... 6</div> <div>GEOMETRIC LAYOUT SHEET..... 7</div> <div>RAMP CONSTRUCTION DETAIL..... 8</div> <div>SITE LAYOUT SHEET..... 9</div> <div>ROADWAY PLANS..... 10-28</div> <div>EROSION AND SEDIMENT CONTROL NOTES..... 29</div> <div>MAINTENANCE OF TRAFFIC NOTES..... 30</div>	

(C-13)
 $\Delta=4^{\circ}45'50.4005''$
 $D_C=2^{\circ}51'53.2403''$
 $R=2000.0000'$
 $T=83.1954'$
 $L=166.2950'$
 $E=1.7296$



QUANTITY NOTES

FINE MILLING ASPHALT PAVEMENT
1 INCH TO 2.5 INCH DEPTH

STATION	SY	REMARKS
STA. 236+00 TO STA. 240+50	1,471	

PAVEMENT MARKINGS

DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	450	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	450	LF

DISTRICT 2



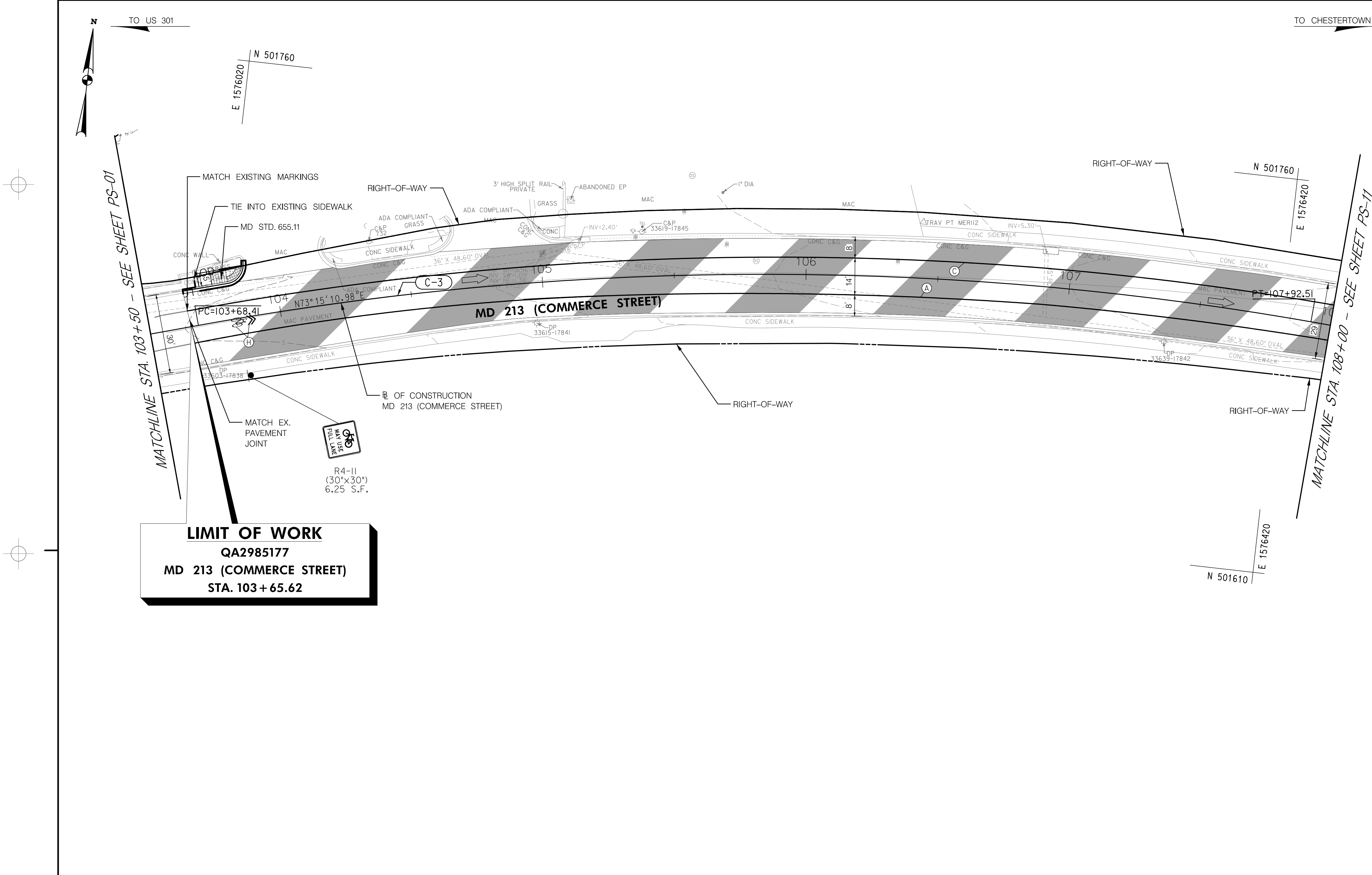
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. PS-09 OF PS-19 SHEET NO. 18 OF 30

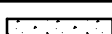
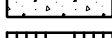






PAVEMENT MARKING LEGEND

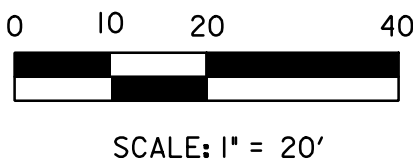
- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
- (B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
- (C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
- (D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
- (E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
- (F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
- (G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
- (H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

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- CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND	
	CONCRETE SIDEWALK
	SIDEWALK RAMP
	DETECTABLE WARNING SURFACE
	RIGHT-OF-WAY LINE
	FINE MILLING AND RESURFACING
	EXISTING TRAFFIC FLOW ARROW

(C-3)
 $\Delta=20^{\circ}14'56.6755^{\circ}$
 $D_C=4^{\circ}46'28.7338^{\circ}$
 $R=1200.0000'$
 $T=214.2828'$
 $L=424.0957'$
 $E=18.982$



509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

QUANTITY NOTES

FINE MILLING ASPHALT PAVEMENT
1 INCH TO 2.5 INCH DEPTH

STATION	SY	REMARKS
STA. 103+65 TO STA. 108+00	1,350	

STANDARD TYPE A COMBINATION CURB
AND GUTTER 12 INCH GUTTER PAN
8 INCH MINIMUM DEPTH

STATION	LF	REMARKS
STA. 103+65, 14' LT TO STA. 103+89, 21' LT	29	

5 INCH CONCRETE SIDEWALK

STATION	SF	REMARKS
STA. 103+70, LT TO STA. 103+88, LT	84	

DETECTABLE WARNING SURFACE
FOR CURB RAMPS

STATION	SF	REMARKS
STA. 103+85, 17' LT	14	

PAVEMENT MARKINGS

DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	435	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	435	LF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	9	SF

SIGNS

DESCRIPTION	QUANTITY	UNIT
SHEET ALUMINUM GROUND MOUNTED SIGN	7	SF
SQUARE PERFORATED TUBULAR STEEL SIGN POSTS	1	EA



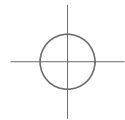
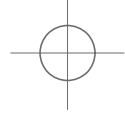
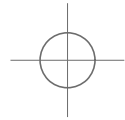
DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. PS-10 OF PS-19 SHEET NO. 19 OF 30



BY: khodge



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4th Floor
Baltimore, Maryland 21202
(410) 662-7400

PAVEMENT MARKING LEGEND

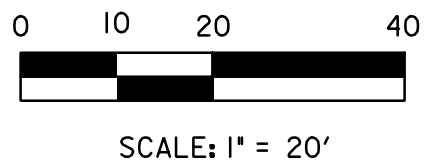
- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
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(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

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3. CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND		R / W PLAT NUMBER		CROSS REFERENCE		REVISIONS	
	CONCRETE SIDEWALK			ITEM	SHEET NOS.		
	SIDEWALK RAMP			INDEX OF SHEETS.....	2		
	DETECTABLE WARNING SURFACE			GENERAL NOTES SHEET.....	3		
	RIGHT-OF-WAY LINE			TYPICAL SECTIONS.....	4-5		
	LOD - LIMIT OF DISTURBANCE			DETAIL SHEET.....	6		
	FINE MILLING AND RESURFACING			GEOMETRIC LAYOUT SHEET.....	7		
	EXISTING TRAFFIC FLOW ARROW			RAMP CONSTRUCTION DETAIL.....	8		
				SITE LAYOUT SHEET.....	9		
				ROADWAY PLANS.....	10-28		
				EROSION AND SEDIMENT CONTROL NOTES.....	29		
				MAINTENANCE OF TRAFFIC NOTES.....	30		

(C-4)
 $\Delta=41^{\circ}36'55.1425"$
 $Dc=22^{\circ}55'05.9225"$
 $R=250.0000'$
 $T=95.0043'$
 $L=181.5811'$
 $E=17.4431'$



QUANTITY NOTES

STANDARD TYPE A COMBINATION CURB
AND GUTTER 12 INCH GUTTER PAN
8 INCH MINIMUM DEPTH

STATION	LF	REMARKS
STA. 111+16, 33' RT TO STA. 111+35, 14' RT	36	
STA. 111+20, 38' RT TO STA. 111+35, 58' RT	26	

5 INCH CONCRETE SIDEWALK

STATION	SF	REMARKS
STA. 111+15, RT TO STA. 111+40, RT	333	

DETECTABLE WARNING SURFACE
FOR CURB RAMPS

STATION	SF	REMARKS
STA. 111+26, 17' RT	10	
STA. 111+28, 45' RT	10	

FINE MILLING ASPHALT PAVEMENT
1 INCH TO 2.5 INCH DEPTH

STATION	SY	REMARKS
STA 108+00 TO STA. 112+50	1,709	

STANDARD TYPE A CURB
8 INCH X 16 INCH MINIMUM

STATION	LF	REMARKS
STA 111+36, 20' RT TO STA. 111+36, 51' RT	50	

PAVEMENT MARKINGS

DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	413	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	355	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	120	LF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	9	SF



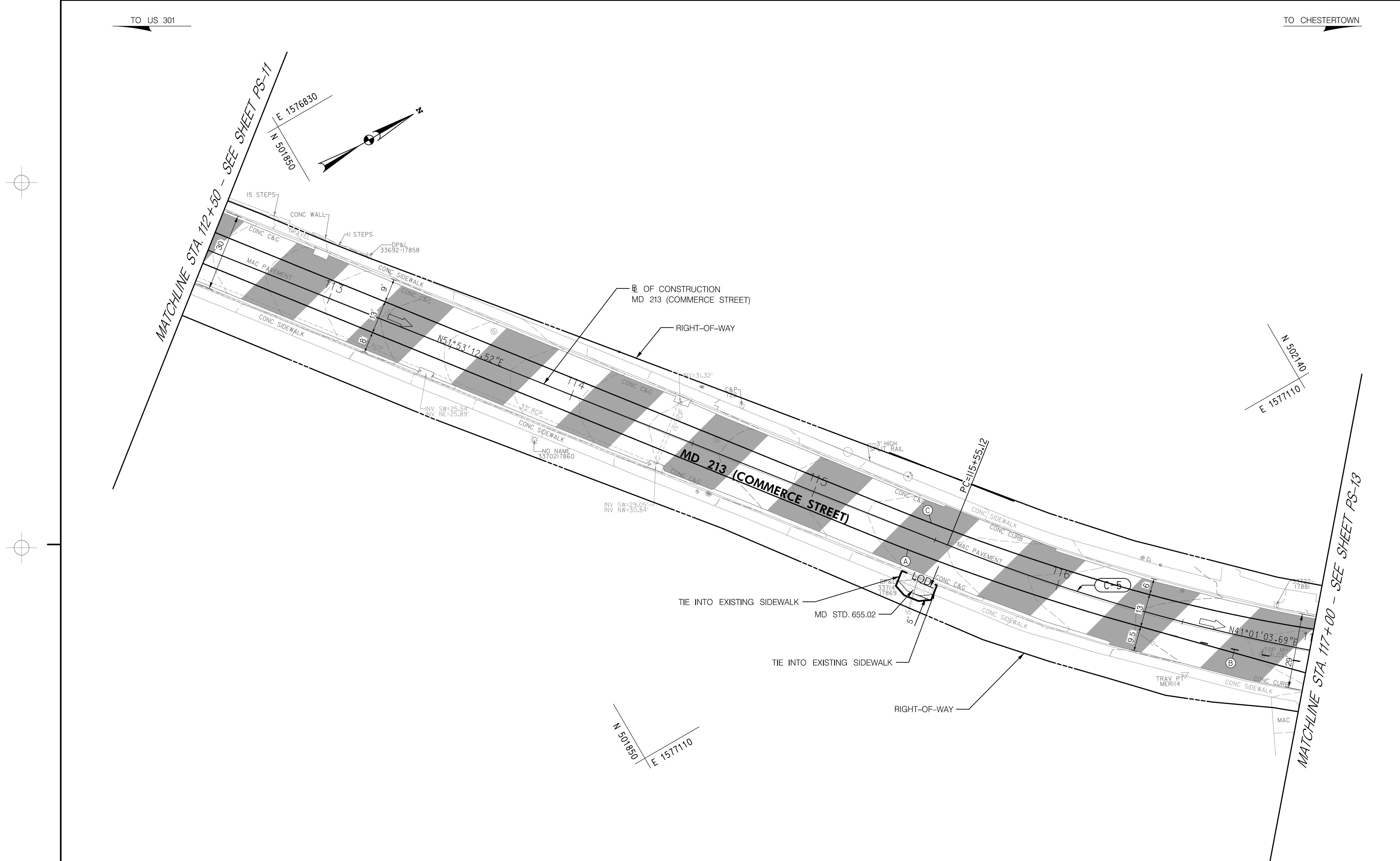
DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. PS-11 OF PS-19 SHEET NO. 20 OF 30



PAVEMENT MARKING LEGEND

- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
(G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

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3. CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND

- CONCRETE SIDEWALK
RIGHT-OF-WAY LINE
LOD - LIMIT OF DISTURBANCE
FINE MILLING AND RESURFACING
EXISTING TRAFFIC FLOW ARROW

R / W PLAT NUMBER

CROSS REFERENCE

ITEM	SHEET NOS.
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GENERAL NOTES SHEET	3
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GEOMETRIC LAYOUT SHEET	7
RAMP CONSTRUCTION DETAIL	8
SITE LAYOUT SHEET	9
ROADWAY PLANS	10-28
EROSION AND SEDIMENT CONTROL NOTES	29
MAINTENANCE OF TRAFFIC NOTES	30

REVISIONS

QUANTITY NOTES

FINE MILLING ASPHALT PAVEMENT
1 INCH TO 2.5 INCH DEPTH

STATION	SY	REMARKS
STA. 112+50 TO STA. 117+00	1,377	

5 INCH CONCRETE SIDEWALK

STATION	SF	REMARKS
STA. 115+43, RT TO STA. 115+57, RT	79	

PAVEMENT MARKINGS

DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	465	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	450	LF



DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. PS-12 OF PS-19 SHEET NO. 21 OF 30



509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

TO CHESTERTOWN

**STANDARD TYPE A COMBINATION CURB
AND GUTTER 12 INCH GUTTER PAN
8 INCH MINIMUM DEPTH**

5 INCH CONCRETE SIDEWALK

DETECTABLE WARNING SURFACE FOR CURB RAMPS

**FINE MILLING ASPHALT PAVEMENT
1 INCH TO 2.5 INCH DEPTH**

**STANDARD TYPE A CURB
8 INCH X 16 INCH MINIMUM**

REMOVAL OF EXISTING SIDEWALK

PAVEMENT MARKINGS



MARYLAND DEPARTMENT
OF TRANSPORTATION

STATE HIGHWAY
ADMINISTRATION

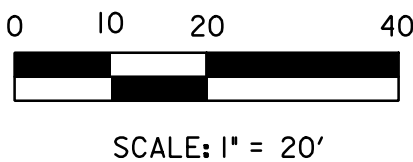
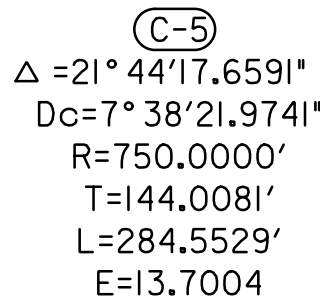
DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY	DPK	COUNTY	QUEEN ANNE'S
DRAWN BY	PNK	LOGMILE	7.06 - 7.85
CHECKED BY	GGW	HORIZONTAL SCALE	N/A
MDE/PRD	EXEMPT	VERTICAL SCALE	N/A

DRAWING NO.	PS-13	OF	PS-19	SHEET NO.	22	OF	30
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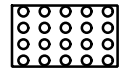
PAVEMENT MARKING LEGEND

- | | |
|------------|--|
| (A) | 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID) |
| (B) | 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP) |
| (C) | 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID) |
| (D) | 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID) |
| (E) | 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID) |
| (F) | WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS |
| (G) | SHARED LAKE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW |
| (H) | BIKE LAKE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW |

NOTES:

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ROADWAY LEGEND



CONCRETE SIDEWALK

SIDEWALK RAMP

DETECTABLE WARNING SURFACE

RIGHT-OF-WAY LINE



PAVEMENT REMOVAL

FINE MILLING AND RESURFACING

R /W PLAT NUMBER

CROSS REFERENCE

REVISIONS



**McCORMICK
TAYLOR**

509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

BY: kdhodge -

FILE: \\baserver1\Projects\5871_MD_MCSHA_SurveyEng\07_On-site Support for Fund 77\300_CADD\Plan Set\Roadway\MD 213\pHD-P013_MD 213.dgn

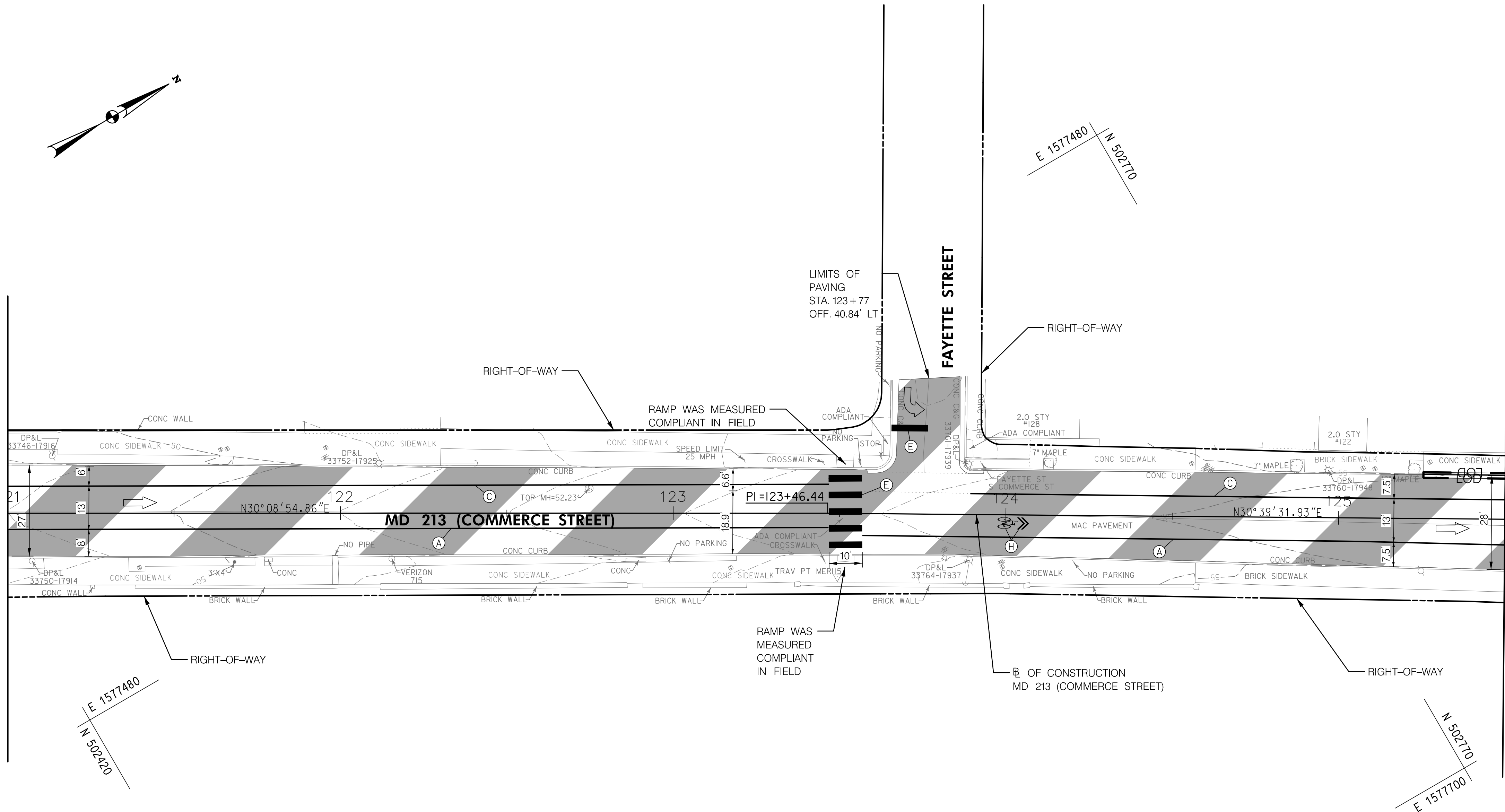
TO US 301

TO CHESTERTOWN



MATCHLINE STA. 121+00 - SEE SHEET PS-13

MATCHLINE STA. 125+50 - SEE SHEET PS-15



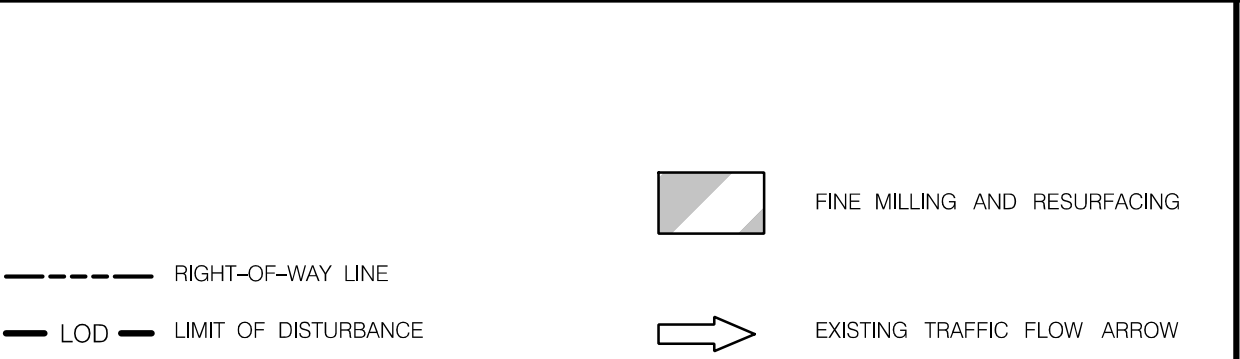
PAVEMENT MARKING LEGEND

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- (B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
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ROADWAY LEGEND

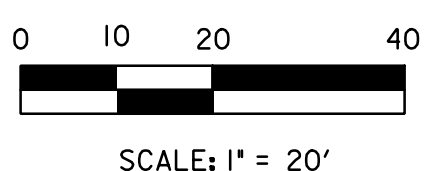


R / W PLAT NUMBER

CROSS REFERENCE

REVISIONS

ITEM	SHEET NOS.
INDEX OF SHEETS.....	2
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TYPICAL SECTIONS	4-5
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ROADWAY PLANS.....	10-28
EROSION AND SEDIMENT CONTROL NOTES.....	29
MAINTENANCE OF TRAFFIC NOTES.....	30



**McCORMICK
TAYLOR**

509 South Exeter Street
4th Floor
Baltimore, Maryland 21202
(410) 662-7400

QUANTITY NOTES		
STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		
STATION	LF	REMARKS
STA. 125+25, 13' LT TO STA. 125+50, 13' LT	25	

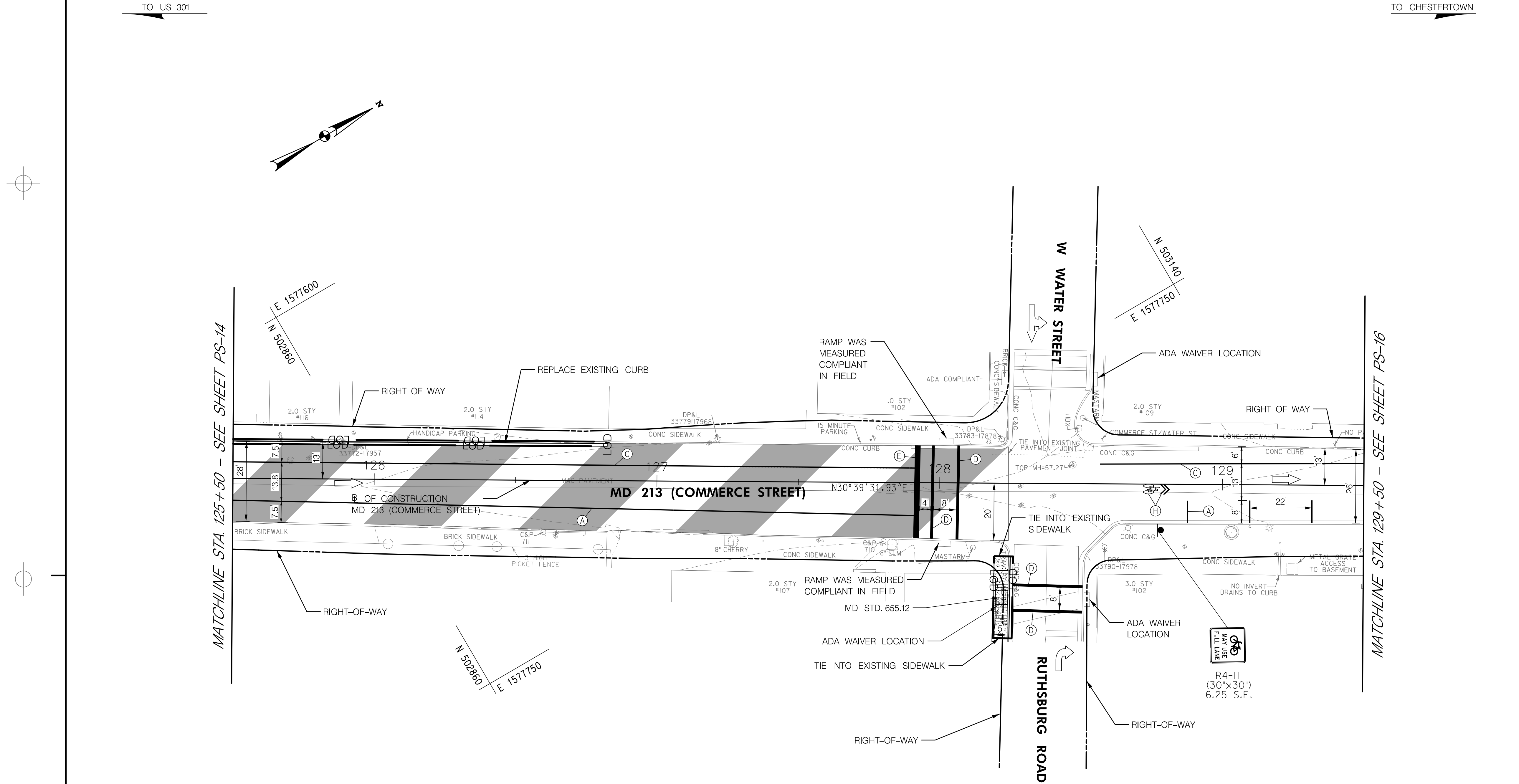
FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA 121+00 TO STA. 125+50	1,380	

PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	440	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	408	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	62	LF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	9	SF

STATE HIGHWAY
ADMINISTRATION

DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET		
SCALE 1" = 20'	ADVERTISED DATE DEC 2019	CONTRACT NO. QA2985177
DESIGNED BY DPK	COUNTY QUEEN ANNE'S	
DRAWN BY PNK	LOGMILE 7.06 - 7.85	
CHECKED BY GGW	HORIZONTAL SCALE N/A	
MDE/PRD EXEMPT	VERTICAL SCALE N/A	
DRAWING NO. PS-14	OF PS-19	SHEET NO. 23 OF 30



PAVEMENT MARKING LEGEND

- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
- (B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
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- ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SP 704 IN PERVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
- CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND		R / W PLAT NUMBER		CROSS REFERENCE		REVISIONS	
	CONCRETE SIDEWALK			ITEM	SHEET NOS.		
	SIDEWALK RAMP			INDEX OF SHEETS.....	2		
	DETECTABLE WARNING SURFACE			GENERAL NOTES SHEET.....	3		
	RIGHT-OF-WAY LINE			TYPICAL SECTIONS.....	4-5		
	LOD - LIMIT OF DISTURBANCE			DETAIL SHEET.....	6		
	FINE MILLING AND RESURFACING			GEOMETRIC LAYOUT SHEET.....	7		
	EXISTING TRAFFIC FLOW ARROW			RAMP CONSTRUCTION DETAIL.....	8		



509 South Exeter Street
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(410) 662-7400

QUANTITY NOTES

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA. 227+50 TO STA. 232+00	1,840	

STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		
STATION	LF	REMARKS
STA. 229+85, 31' RT TO STA. 229+95, 39' RT	15	

BRICK SIDEWALK		
STATION	SF	REMARKS
STA. 229+87, RT TO STA. 229+92, RT	25	

DETECTABLE WARNING SURFACE USING BRICK PAVERS		
STATION	SF	REMARKS
STA. 229+89, 33' RT	10	
STA. 229+93, 37' RT	10	

5 INCH CONCRETE SIDEWALK		
STATION	SF	REMARKS
STA. 229+92, RT TO STA. 229+93, RT	2	

PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	867	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	257	LF
12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	333	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	50	LF
WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS	57	SF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	18	SF

SIGNS		
DESCRIPTION	QUANTITY	UNIT
SHEET ALUMINUM GROUND MOUNTED SIGN	7	SF
SQUARE PERFORATED TUBULAR STEEL SIGN POSTS	1	EA



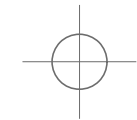
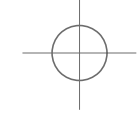
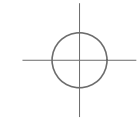
DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1"=20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. PS-15 OF PS-19 SHEET NO. 24 OF 30



BY: khodge



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4th Floor
Baltimore, Maryland 21202
(410) 662-7400




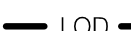



PLOTTED: Monday, December 09, 2019 AT 01:45 PM
FILE: \\baserver1\Projects\5871_MD\MDSHA_SurveyEng\07_On-site Support for Fund 77\300_CADD\Plan_Set\Roadway\MD 213\pD-P016_MD 213.dgn

PAVEMENT MARKING LEGEND

- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
(G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

- SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SP 704 IN PERVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
- CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND		R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS
	SIDEWALK RAMP		ITEM	SHEET NOS.
	DETECTABLE WARNING SURFACE		INDEX OF SHEETS.....	2
			GENERAL NOTES SHEET.....	3
			TYPICAL SECTIONS.....	4-5
			DETAIL SHEET.....	6
			GEOMETRIC LAYOUT SHEET.....	7
			RAMP CONSTRUCTION DETAIL.....	8
			SITE LAYOUT SHEET.....	9
			ROADWAY PLANS.....	10-28
			EROSION AND SEDIMENT CONTROL NOTES.....	29
			MAINTENANCE OF TRAFFIC NOTES.....	30
	RIGHT-OF-WAY LINE			
	LOD - LIMIT OF DISTURBANCE			
	FINE MILLING AND RESURFACING			
	BRICK SIDEWALK			
	EXISTING TRAFFIC FLOW ARROW			



TO US 301

TO CHESTERTOWN

MATCHLINE STA. 129+50 - SEE SHEET PS-15

MATCHLINE STA. 134+00 - SEE SHEET PS-17

QUANTITY NOTES

STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		
STATION	LF	REMARKS
STA. 129+86, 13' LT TO STA. 129+95, 43' LT	36	
STA. 130+27, 50' LT TO STA. 130+49, 37' LT	30	

BRICK SIDEWALK		
STATION	SF	REMARKS
STA. 129+86, LT TO STA. 129+95, LT	202	
STA. 130+28, LT TO STA. 130+49, LT	217	

DETECTABLE WARNING SURFACE USING BRICK PAVERS		
STATION	SF	REMARKS
STA. 129+83, 15' LT	10	
STA. 129+94, 28' LT	10	
STA. 130+32, 41' LT	10	

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA 129+93 TO STA. 131+55	375	
STA 133+88 TO STA. 134+00	34	

STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM		
STATION	LF	REMARKS
STA 129+85, 21' LT TO STA. 129+86, 44' LT	23	
STA 129+86, 14' LT TO STA. 129+95, 24' LT	20	

PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	650	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	212	LF
12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	80	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	170	LF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	9	SF



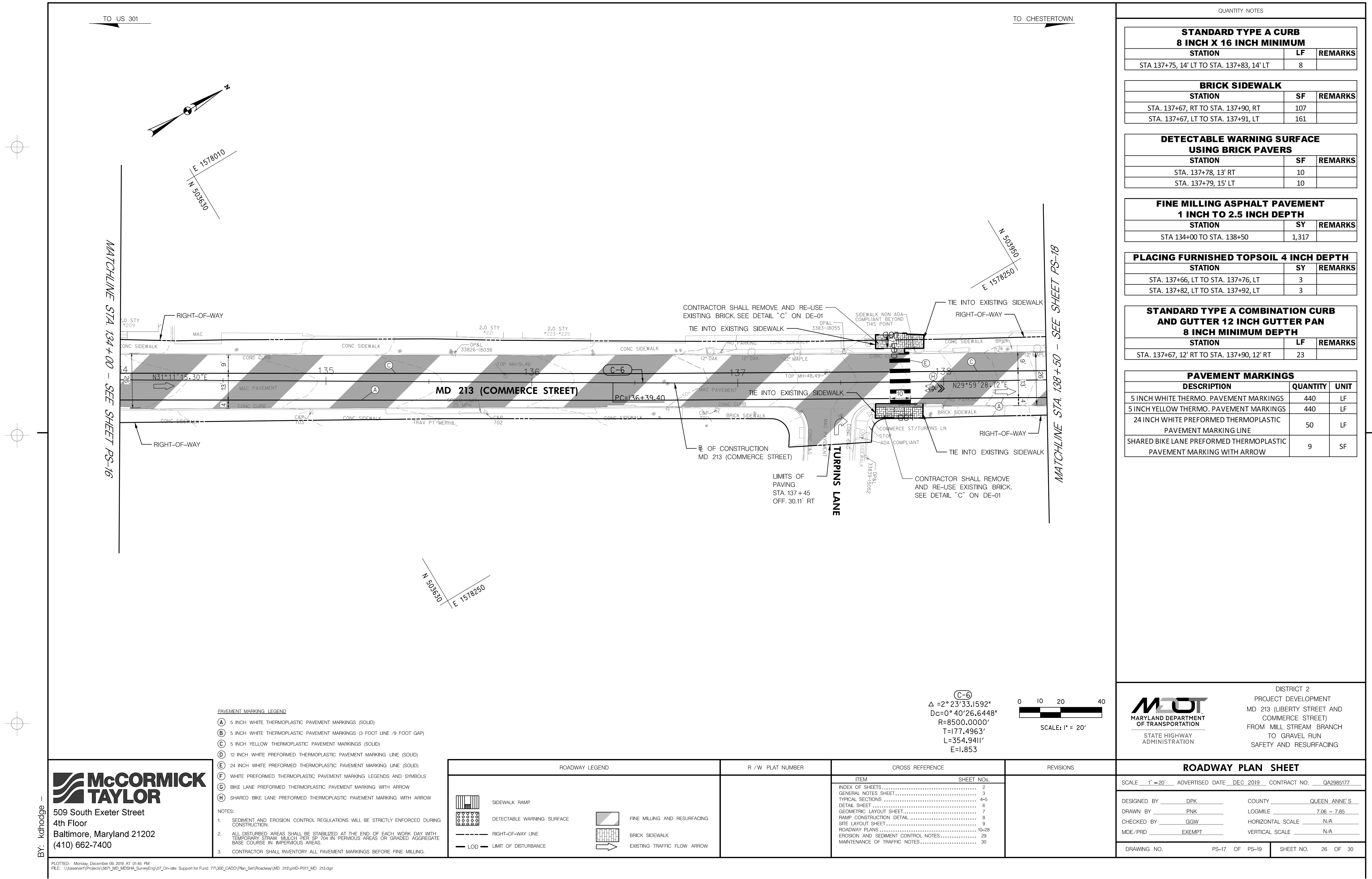
DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177


DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. PS-16 OF PS-19 SHEET NO. 25 OF 30



QUANTITY NOTES		
STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM		
STATION	LF	REMARKS
STA 137+75, 14' LT TO STA. 137+83, 14' LT	8	
BRICK SIDEWALK		
STATION	SF	REMARKS
STA. 137+67, RT TO STA. 137+90, RT	107	
STA. 137+67, LT TO STA. 137+91, LT	161	
DETECTABLE WARNING SURFACE USING BRICK PAVERS		
STATION	SF	REMARKS
STA. 137+78, 13' RT	10	
STA. 137+79, 15' LT	10	
FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA 134+00 TO STA. 138+50	1,317	
PLACING FURNISHED TOPSOIL 4 INCH DEPTH		
STATION	SY	REMARKS
STA. 137+66, LT TO STA. 137+76, LT	3	
STA. 137+82, LT TO STA. 137+92, LT	3	

PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	440	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	440	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	50	LF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	9	SF






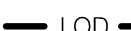



STATE HIGHWAY ADMINISTRATION

DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET		
SCALE 1"=20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177		
DESIGNED BY DPK	COUNTY QUEEN ANNE'S	
DRAWN BY PNK	LOGMILE 7.06 - 7.85	
CHECKED BY GGW	HORIZONTAL SCALE N/A	
MDE/PRD EXEMPT	VERTICAL SCALE N/A	
DRAWING NO. PS-17	OF PS-19	SHEET NO. 26 OF 30

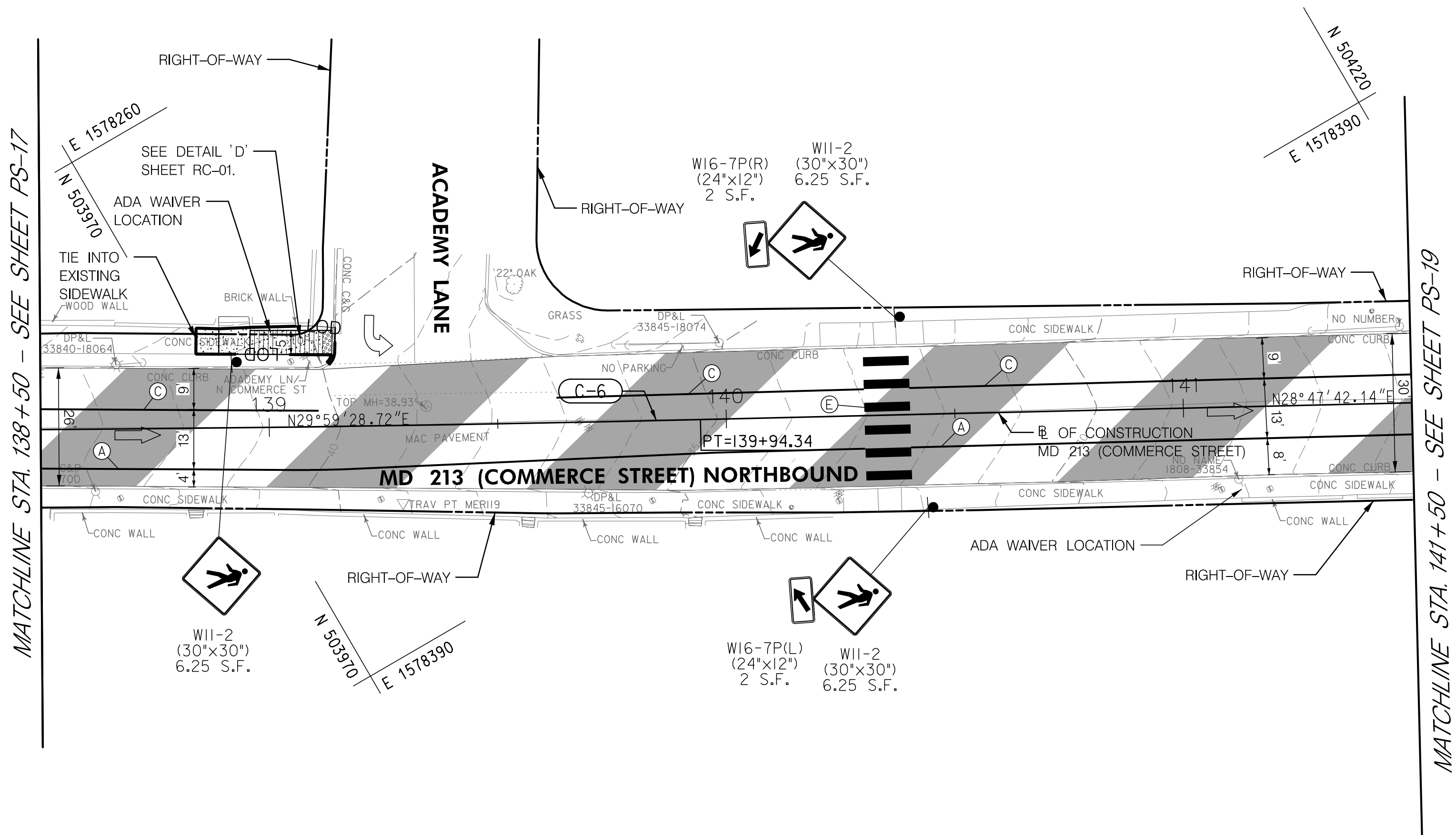
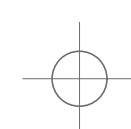
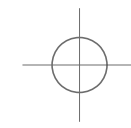
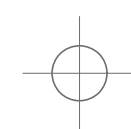


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Baltimore, Maryland 21202
(410) 662-7400

ROADWAY LEGEND	R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS
<div> SIDEWALK RAMP</div> <div> DETECTABLE WARNING SURFACE</div> <div> RIGHT-OF-WAY LINE</div> <div> LIMIT OF DISTURBANCE</div> <div> FINE MILLING AND RESURFACING</div> <div> BRICK SIDEWALK</div> <div> EXISTING TRAFFIC FLOW ARROW</div>		<div>ITEM SHEET NOS.</div> <div>INDEX OF SHEETS..... 2</div> <div>GENERAL NOTES SHEET..... 3</div> <div>TYPICAL SECTIONS..... 4-5</div> <div>DETAIL SHEET..... 6</div> <div>GEOMETRIC LAYOUT SHEET..... 7</div> <div>RAMP CONSTRUCTION DETAIL..... 8</div> <div>SITE LAYOUT SHEET..... 9</div> <div>ROADWAY PLANS..... 10-28</div> <div>EROSION AND SEDIMENT CONTROL NOTES..... 29</div> <div>MAINTENANCE OF TRAFFIC NOTES..... 30</div>	

TO US 301

TO CHESTERTOWN



PAVEMENT MARKING LEGEND

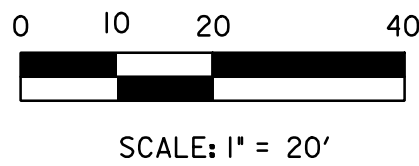
- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
(G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

1. SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.
2. ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SP 704 IN PERVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
3. CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND		R / W PLAT NUMBER	CROSS REFERENCE
	CONCRETE SIDEWALK		
	SIDEWALK RAMP		
	DETECTABLE WARNING SURFACE		
	RIGHT-OF-WAY LINE		
	FINE MILLING AND RESURFACING		
	EXISTING TRAFFIC FLOW ARROW		

(C-6)
 $\Delta = 2^\circ 23' 33.1592''$
 $D_c = 0^\circ 40' 26.6448''$
 $R = 8500.0000'$
 $T = 177.4963'$
 $L = 354.9411'$
 $E = 1.853$



QUANTITY NOTES

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA. 138+50 TO STA. 141+50	961	

5 INCH CONCRETE SIDEWALK		
STATION	SF	REMARKS
STA. 138+84, LT TO STA. 139+14, LT	162	

DETECTABLE WARNING SURFACE FOR CURB RAMPS		
STATION	SF	REMARKS
STA. 139+13, 18 LT	11	

STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM		
STATION	LF	REMARKS
STA. 139+13, 14' LT TO STA. 139+15, 22' LT	8	
STA 138+96, 22' LT TO STA. 139+14, 22' LT	18	

PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	290	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	239	LF
24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE	60	LF

SIGNS		
DESCRIPTION	QUANTITY	UNIT
SHEET ALUMINUM GROUND MOUNTED SIGN	23	SF
SQUARE PERFORATED TUBULAR STEEL SIGN POSTS	3	EA



DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

ROADWAY PLAN SHEET

SCALE 1" = 20' ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK COUNTY QUEEN ANNE'S
DRAWN BY PNK LOGMILE 7.06 - 7.85
CHECKED BY GGW HORIZONTAL SCALE N/A
MDE/PRD EXEMPT VERTICAL SCALE N/A

DRAWING NO. PS-18 OF PS-19 SHEET NO. 27 OF 30



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4th Floor
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BY: khodge

BY: khodge



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Baltimore, Maryland 21202
(410) 662-7400

PAVEMENT MARKING LEGEND

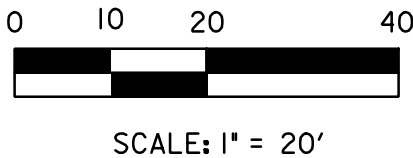
- (A) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(B) 5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS (3 FOOT LINE /9 FOOT GAP)
(C) 5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS (SOLID)
(D) 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(E) 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE (SOLID)
(F) WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
(G) BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW
(H) SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW

NOTES:

- SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY WITH TEMPORARY STRAW MULCH PER SP 704 IN PVIOUS AREAS OR GRADED AGGREGATE BASE COURSE IN IMPERVIOUS AREAS.
- CONTRACTOR SHALL INVENTORY ALL PAVEMENT MARKINGS BEFORE FINE MILLING.

ROADWAY LEGEND	R / W PLAT NUMBER	CROSS REFERENCE	REVISIONS
RIGHT-OF-WAY LINE		ITEM SHEET NOS.	
FINE MILLING AND RESURFACING		INDEX OF SHEETS..... 2	
EXISTING TRAFFIC FLOW ARROW		GENERAL NOTES SHEET..... 3	
		TYPICAL SECTIONS..... 4-5	
		DETAIL SHEET..... 6	
		GEOMETRIC LAYOUT SHEET..... 7	
		RAMP CONSTRUCTION DETAIL..... 8	
		SITE LAYOUT SHEET..... 9	
		ROADWAY PLANS..... 10-28	
		EROSION AND SEDIMENT CONTROL NOTES..... 29	
		MAINTENANCE OF TRAFFIC NOTES..... 30	

(C-7)	(C-14)	(C-15)
$\Delta=16^{\circ}17'05.7608''$ $Dc=7^{\circ}09'43.1008''$ $R=800.0000'$ $T=114.4619'$ $L=227.3806'$ $E=8.147$	$\Delta=18^{\circ}44'52.3402''$ $Dc=19^{\circ}05'54.9353''$ $R=300.0000'$ $T=49.5245'$ $L=98.1636'$ $E=4.0603$	$\Delta=23^{\circ}03'37.9994''$ $Dc=14^{\circ}19'26.2016''$ $R=400.0000'$ $T=81.6011'$ $L=160.9930'$ $E=8.2386$



QUANTITY NOTES		
FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH		
STATION	SY	REMARKS
STA. 141+50 TO STA. 144+61	2,786	
PAVEMENT MARKINGS		
DESCRIPTION	QUANTITY	UNIT
5 INCH WHITE THERMO. PAVEMENT MARKINGS	642	LF
5 INCH YELLOW THERMO. PAVEMENT MARKINGS	642	LF
SHARED BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	9	SF
SIGNS		
DESCRIPTION	QUANTITY	UNIT
SHEET ALUMINUM GROUND MOUNTED SIGN	7	SF
SQUARE PERFORATED TUBULAR STEEL SIGN POSTS	1	EA

 MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	DISTRICT 2	
	PROJECT DEVELOPMENT	
	MD 213 (LIBERTY STREET AND COMMERCE STREET)	
	FROM MILL STREAM BRANCH TO GRAVEL RUN SAFETY AND RESURFACING	

ROADWAY PLAN SHEET		
SCALE 1" = 20'	ADVERTISED DATE DEC 2019	CONTRACT NO. QA2985177
DESIGNED BY DPK	COUNTY QUEEN ANNE'S	
DRAWN BY PNK	LOGMILE 7.06 - 7.85	
CHECKED BY GGW	HORIZONTAL SCALE N/A	
MDE/PRD EXEMPT	VERTICAL SCALE N/A	
DRAWING NO. PS-19	OF PS-19	SHEET NO. 28 OF 30

EROSION AND SEDIMENT CONTROL – GENERAL NOTES

1. NOTIFICATION

NOTIFY THE REGIONAL ENVIRONMENTAL COORDINATOR (REC) IN WRITING AND/OR BY TELEPHONE AT (410) 365-0164 PRIOR TO THE FOLLOWING POINTS:

- PRE-CONSTRUCTION MEETING.
- EROSION AND SEDIMENT CONTROL (ESC) MEETING (MINIMUM 7 WORKING DAYS PRIOR TO COMMENCING EARTH DISTURBING ACTIVITIES).
- UPON INSTALLATION OF INITIAL ESC MEASURES.
- INSTALLATION OF MAJOR ESC BASINS/TRAPS.
- REMOVAL OR MODIFICATION OF ANY ESC MEASURES.
- REMOVAL OF ALL ESC DEVICES.
- FINAL ACCEPTANCE BY THE ADMINISTRATION.

2. STANDARDS AND SPECIFICATIONS

CONSTRUCT THIS PLAN ACCORDING TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", THE MDE "2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II", THE MDOT SHA "FIELD GUIDE FOR EROSION AND SEDIMENT CONTROL", THE ANNOTATED CODE OF MARYLAND, THE CODE OF MARYLAND (COMAR) 26.17.01 AND 26.17.02, ALL REVISIONS THERE OF, AND AS SPECIFIED. KEEP A COPY OF THE 2011 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" ON THE SITE AT ALL TIMES. PERFORM VEGETATIVE STABILIZATION ACCORDING TO THOSE STANDARDS AND AS SPECIFIED.

3. INSPECTION

DAILY INSPECT ALL ESC MEASURES AND MAINTAIN THEM IN A CONTINUOUSLY-EFFECTIVE OPERATING CONDITION UNTIL REMOVED AS APPROVED BY THE REC AND THE ENGINEER.

4. SHUTDOWNS / LIQUIDATED DAMAGES

COMPLETE COMPLIANCE WITH THE APPROVED ESC PLAN IS EXPECTED AT ALL TIMES. IN CASES WHERE THE CONTRACTOR IS FOUND TO BE IN NON-COMPLIANCE, THE ADMINISTRATION WILL TAKE STEPS TO IMPOSE SELECTED OR TOTAL SHUTDOWNS AND MAY IMPOSE LIQUIDATED DAMAGES FOR NON-COMPLIANCE.

THE ADMINISTRATION'S DISTRICT ENGINEER MAY IMPOSE A TOTAL OR PARTIAL SHUTDOWN IF THE PROJECT MAY ADVERSELY IMPACT THE WATERS OF THE STATE.

5. RECORD KEEPING

ENSURE THE STORMWATER MANAGEMENT (SWM)/ESC APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, APPROVED MODIFICATIONS, MODIFICATION APPROVAL LETTER(S), DAILY LOG BOOKS, TEST REPORTS, AND NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) NOTICE OF INTENT (NOI) PERMIT ARE AVAILABLE ON-SITE FOR REVIEW AND INSPECTION BY THE ADMINISTRATION.

6. CLEARING AND GRUBBING

UNLESS OTHERWISE SPECIFIED OR APPROVED, LIMIT THE CLEARING AND GRUBBING AREA TO A SINGLE 20-ACRE GRADING UNIT PER GRADING OPERATION. ONCE THIS FIRST UNIT IS HALF GRADED, STABILIZATION MEASURES ARE IN PLACE, AND APPROVED, WORK MAY PROCEED TO A SECOND 20-ACRE GRADING UNIT. UNLESS SPECIFICALLY APPROVED, NO MORE THAN 30 ACRES MAY BE DISTURBED AT ANY TIME.

7. SENSITIVE AREAS

WITH THE APPROVAL AND ASSISTANCE OF THE ENGINEER, COORDINATE WITH THE APPROPRIATE ADMINISTRATION REPRESENTATIVES TO COORDINATE WITH THE APPROPRIATE REGULATORY AGENCIES TO ENSURE THAT ALL PERMIT CONDITIONS ARE MET PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES WITHIN SPECIFIED SENSITIVE AREAS. SENSITIVE AREAS INCLUDE BUT ARE NOT LIMITED TO FLOODPLAINS, WETLANDS, WETLAND BUFFERS, CHESAPEAKE BAY CRITICAL AREA, FORESTS, ARCHEOLOGICAL SITES, HISTORIC SITES, PARKLAND, AND OPEN WATERS. DESIGNATE A RESPONSIBLE PARTY TO MONITOR ALL WORK IN THESE AREAS AND ENSURE THAT REASONABLE CARE IS TAKEN DURING WORK IN AND ADJACENT TO THESE AREAS.

8. INGRESS / EGRESS CONTROLS

PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS AND PREVENT THE DEPOSITION OF MATERIALS ON PUBLIC ROADS. IF DEPOSITION OCCURS, MECHANICALLY REMOVE ALL MATERIALS DEPOSITED ON PUBLIC ROADS IMMEDIATELY. FLUSHING OF ROAD SURFACES IS PROHIBITED.

9. EROSION AND SEDIMENT CONTROL EXCAVATION

DISPOSE OF MATERIAL REMOVED FROM ESC DEVICES IN AN APPROVED WASTE SITE AS SPECIFIED IN SECTION 201. MATERIALS MAY BE STORED FOR RE-USE. MATERIALS STORED ON-SITE MAY BE REUSED ONCE IT IS DRIED AND IF IT MEETS THE REQUIREMENTS FOR EMBANKMENTS OR OTHER UNSPECIFIED NEEDS.

10. DEWATERING PRACTICES

OPERATE DEWATERING PRACTICES IN A MANNER THAT DOES NOT DISCHARGE SEDIMENT INTO WATERWAYS. NO VISIBLE CHANGES TO STREAM CLARITY ARE ACCEPTABLE.

11. STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, COMPLETE PERMANENT OR TEMPORARY STABILIZATION WITHIN THREE (3) CALENDAR DAYS FOR SURFACES OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE SITE. ENSURE CONTINUED STABILIZATION.

12. INCREMENTAL STABILIZATION

REFER TO THE MDE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR THE INCREMENTAL STABILIZATION OF CUT AND FILLS.

13. SEDIMENT TRAPS AND BASINS

PLAN DIMENSIONS ARE RELATIVE TO THE OUTLET ELEVATION. MAINTAIN INFLOW AND OUTFLOW LOCATIONS FOR TRAPS AND BASINS IN STABLE CONDITION.

14. OFF-SITE UTILITY WORK

FOLLOW ADDITIONAL BEST MANAGEMENT ESC PRACTICES FOR UTILITY CONSTRUCTION IN AREAS OUTSIDE OF DESIGNED CONTROLS:

- (a) CALL "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO THE START OF WORK.
- (b) PLACE EXCAVATED MATERIAL ON THE HIGH SIDE OF TRENCHES.
- (c) BACKFILL, COMPACT, AND STABILIZE AT THE END OF EACH WORKING DAY ALL TRENCHES FOR UTILITY INSTALLATIONS. WHEN THIS IS NOT POSSIBLE, CONFORM TO (d).
- (d) PLACE TEMPORARY SILT FENCES IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA THAT IS INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE (1) DAY.

15. SITE INFORMATION*

A. TOTAL AREA DISTURBED	0.11	ACRES
B. TOTAL CUT	5	CU. YDS.
C. TOTAL FILL	5	CU. YDS.
D. OFFSITE WASTE/BORROW AREA LOCATION (IF KNOWN)	TBD	

*(NOT FOR BIDDING PURPOSES)

16. MODIFICATIONS

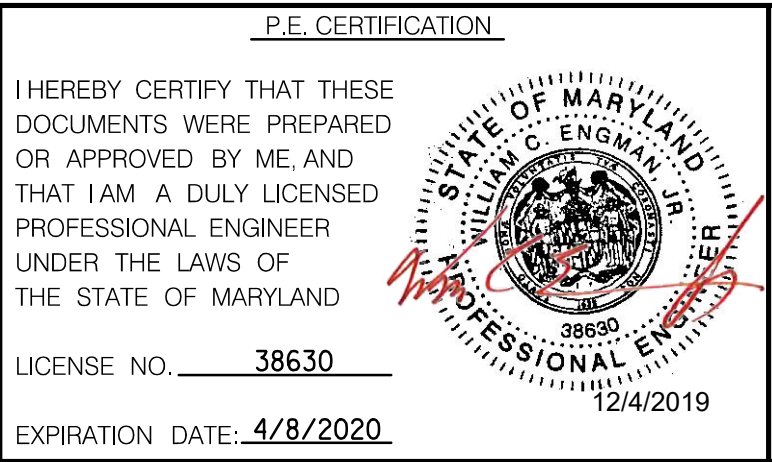
SUBMIT MODIFICATIONS OF THE ESC MEASURES OR PLAN TO THE ADMINISTRATION FOR APPROVAL. OBTAIN ALL APPROVALS PRIOR TO IMPLEMENTING ANY MODIFICATION.

STANDARD SYMBOLS			
AT-GRADE INLET PROTECTION		PERMANENT SOIL STABILIZATION MATTING-TYPE B	
BAFFLE BOARDS		PERMANENT SOIL STABILIZATION MATTING-TYPE C	
BENCHING		PIPE OUTLET SEDIMENT TRAP ST I	
CATCH BASIN INSERT		PIPE SLOPE DRAIN	NOTE: DESIGNATION PSD-12 REFERS TO PIPE SLOPE DRAIN WITH 12 INCH PIPE
CLEAR WATER DIVERSION PIPE	NOTE: DESIGNATION CWD-12 REFERS TO CLEAR WATER DIVERSION WITH 12 INCH PIPE.	PLUNGE POOL	
CLEAR WATER PIPE		PORTABLE SEDIMENT TANK	
COMBINATION INLET PROTECTION		REMOVABLE PUMPING STATION	
CONCRETE WASHOUT STRUCTURE		RIPRAP INFLOW PROTECTION	
CURB INLET PROTECTION		RIPRAP OUTLET SEDIMENT TRAP ST III	
DIVERSION FENCE		ROCK OUTLET PROTECTION I	
EARTH DIKE	NOTE: PLACE DESIGNATION (A-1, B-2, ETC.) ON FLOW CHANNEL SIDE OF DIKE.	ROCK OUTLET PROTECTION II	
EMERGENCY SPILLWAY		ROCK OUTLET PROTECTION III	
FILTER BAG		SILT FENCE	
FILTER BERM	NOTE: DESIGNATION FB-A REFERS TO FILTER LOG WITH 18 INCH DIAMETER.	SILT FENCE ON PAVEMENT	
FILTER LOG		SOD	
GABION INFLOW PROTECTION		STABILIZED CONSTRUCTION ENTRANCE (SCE)	
GABION INLET PROTECTION		STANDARD INLET PROTECTION	
HORIZONTAL DRAW-DOWN DEVICE		STOCKPILE AREA	
LIMIT OF DISTURBANCE		STONE CHECK DAM	
MEDIAN INLET PROTECTION		STONE/RIPRAP OUTLET SEDIMENT TRAP ST II	
MEDIAN SUMP INLET PROTECTION		SUBSURFACE DRAINS	
MOUNTABLE BERM		SUMP PIT	
PERIMETER DIKE/SWALE		SUPER SILT FENCE	
TEMPORARY ACCESS BRIDGE			
TEMPORARY ACCESS CULVERT			
TEMPORARY ASPHALT BERM			
TEMPORARY BARRIER DIVERSION			
TEMPORARY GABION OUTLET STRUCTURE			
TEMPORARY SOIL STABILIZATION MATTING-TYPE A			
TEMPORARY SOIL STABILIZATION MATTING-TYPE E			
TEMPORARY SOIL STABILIZATION MATTING-TYPE D			
TEMPORARY STONE OUTLET STRUCTURE			
TEMPORARY SWALE	NOTE: PLACE DESIGNATION (A-1, B-2, ETC.) ON FLOW CHANNEL SIDE OF SWALE.		
VERTICAL DRAW-DOWN DEVICE			
WASH RACK OPTION			
CHESAPEAKE BAY CRITICAL AREA			
DRAINAGE BOUNDARY			
EXISTING CONTOURS			
LIMIT OF DISTURBANCE (LOD)			
PROPOSED CONTOURS			
TEMPORARY ORANGE CONSTRUCTION FENCE (TOCF)			
TREE PROTECTION FENCE			
WETLAND			
WETLAND BUFFER			
100-YEAR FLOODPLAIN			

SEQUENCE OF CONSTRUCTION

THE CONTRACTOR SHALL NOTIFY THE SHA REGIONAL ENVIRONMENTAL COORDINATOR (REC) AT (410) 365-0164, SEVEN (7) DAYS BEFORE ANY LAND DISTURBANCE ACTIVITY AND HOLD A PRE-CONSTRUCTION MEETING BETWEEN PROJECT REPRESENTATIVES AND REPRESENTATIVES OF SHA.

- 1. ESTABLISH THE LOD.
- 2. WITH WRITTEN APPROVAL FROM SHA REC COMMENCE WORK AS INDICATED ON THE PLANS.
- 3. CONSTRUCT PEDESTRAIN CURB RAMPS AND OTHER ROADWAY IMPROVEMENTS.
- 4. ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH WORK DAY.
- 5. COMPLETE PAVEMENT OVERLAY AND PAVEMENT MARKINGS. STABILIZE ANY DISTURBANCE AT THE END OF EACH WORK DAY.



DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES 1 & II INCLUDING SUPPLEMENTS, THE ENVIRONMENT ARTICLE SECTIONS 4-101 THROUGH 116 AND SECTIONS 4-201 AND 215, AND THE CODE OF MARYLAND REGULATIONS (COMAR) 26.17.01 AND COMAR 26.17.02 FOR EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT, RESPECTIVELY.

DATE 12/4/2019 DESIGNER'S SIGNATURE

MD REGISTRATION NO. 38630 PRINTED NAME WILLIAM C. ENGMAN, JR.
(P.E.) R.L.S., R.L.A., OR R.A. (CIRCLE ONE)

REVISIONS	EROSION AND SEDIMENT CONTROL NOTES
	SCALE <u>NTS</u> ADVERTISED DATE <u>DEC 2019</u> CONTRACT NO. <u>QA2985177</u>
	DESIGNED BY <u>XJUE</u> COUNTY <u>QUEEN ANNE'S</u>
	DRAWN BY <u>XJUE</u> LOGMILE <u>7.06 - 7.85</u>
	CHECKED BY <u>JND</u> HORIZONTAL SCALE <u>N/A</u>
	MDE/PRD <u>16-PR-0129</u> VERTICAL SCALE <u>N/A</u>
	DRAWING NO. <u>EN - 01 OF 01</u> SHEET NO. <u>29 OF 30</u>

SEQUENCE OF CONTRUCTION

- 1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES.
- 2. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES PER THE APPROPRIATE TTCTA.
- 3. CONSTRUCT PEDESTRIAN CURB RAMPS AND OTHER ROADWAY IMPROVMENTS.
- 4. COMPLETE FINAL SUPERPAVE OVERLAY.
- 5. INSTALL FINAL PAVEMENT MARKINGS.

MAINTENANCE OF TRAFFIC GENERAL NOTES

- 1. ALL MAINTENANCE OF TRAFFIC ACTIVITIES SHALL ADHERE TO THE MARYLAND DEPARTMENT OF TRANSPORTATION'S STATE HIGHWAY ADMINISTRATION'S "BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES." ALL TEMPORARY SIGNING, PAVEMENT MARKINGS, CHANNELIZING DEVICES, AND OTHER ITEMS USED FOR MAINTENANCE OF TRAFFIC SHALL CONFORM TO THE LATEST MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION STANDARDS.
- 2. UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER, TEMPORARY TRAFFIC CONTROL SIGNS SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF CONSTRUCTION. SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE SHEETING AS PER THE CONTRACT SPECIFICATIONS.
- 3. LONGITUDINAL DISTANCES OF ALL ADVANCED WARNING SIGNS AND CHANNELIZING DEVICES MAY BE ADJUSTED DUE TO INTERSECTING STREETS, DRIVEWAYS, AND/OR FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHERE ADVANCE SIGNING CONFLICTS WITH TEMPORARY SIGNING FOR LANE CLOSURE, LANE SHIFT OR FLAGGING OPERATION, ADJUSTMENTS TO ADVANCE SIGNING SHALL BE MADE PER THE ENGINEER TO AVOID CONFUSING AND/OR CONFLICTING MESSAGES.
- 4. REFER TO THE CONTRACT SPECIAL PROVISIONS (SECTION 104.01) FOR APPLICABLE WORKING HOURS AND LANE CLOSURE RESTRICTIONS.
- 5. ADDITIONAL LANE CLOSURES FOR PLACEMENT OF TRAFFIC CONTROL DEVICES, DELIVERY OF MATERIAL, ETC., MUST BE APPROVED BY AND SCHEDULED IN WRITING WITH THE ENGINEER AND SHALL BE IN ACCORDANCE WITH SHA'S BOOK OF STANDARDS.

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONTINUED)

- 6. CHANNELIZING DEVICES SHALL BE USED TO DEFINE THE EDGE OF THE TRAVEL LANE AT LOCATIONS WHERE NEW CONSTRUCTION HAS CREATED A CURB LANE WITH A WIDTH GREATER THAN 13 FEET. FOLLOWING INSTALLATION OF THE SURFACE COURSE, TEMPORARY AND FINAL PAVEMENT MARKINGS SHALL BE INSTALLED PER THE EXISTING CONFIGURATION.
- 7. CONFLICTING, INAPPROPRIATE, OR NOT APPLICABLE SIGNS (INCLUDING WORK ZONE SIGNS) SHALL BE REMOVED, COVERED, OR FOLDED TO PREVAILING CONDITIONS SO THAT THEY ARE NOT READABLE BY ONCOMING TRAFFIC. AT THE CONCLUSION OF WORK, SIGNS REMOVED, MODIFIED, OR DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REINSTALLED OR REPLACED AT THE CONTRACTORS EXPENSE, AS INDICATED OR DIRECTED BY THE ENGINEER.
- 8. A MINIMUM SPACING OF 200 FEET SHALL BE MAINTAINED BETWEEN ALL REGULATORY, WARNING, AND DESTINATION SIGNS.
- 9. THESE NOTES AND SPECIFICATIONS ARE THE MINIMUM REQUIREMENTS FOR THE CONDITIONS SET FORTH. THE ENGINEER MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DEVICES AND MAY ALTER THE SEQUENCE OF CONSTRUCTION OR MEANS OF TRAFFIC CONTROL AS NECESSARY.
- 10. ALL EXCAVATIONS SHALL BE PAVED TO THE LEVEL OF THE ADJACENT PAVEMENT AT THE END OF THE WORK DAY. EXCAVATIONS REMAINING AT THE END OF WORKING HOURS SHALL, AT A MINIMUM, BE BACKFILLED PER MD 104.01-28.

TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS (TTCTA)

THE FOLLOWING TTCTA FROM THE MDOT SHA "BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES" PROVIDE GUIDANCE FOR TYPICAL MAINTENANCE OF TRAFFIC APPLICATIONS AS THEY RELATE TO MD 140. MODIFICATION OF THESE TTCTA SHALL BE APPROVED BY THE ENGINEER.

MD 104.02-02 -SHOULDER WORK

MD 104.02-04 - LANE SHIFT

MD 104.02-10 - FLAGGING OPERATION

MD 104.02-14 - INTERSECTION FLAGGING OPERATION

MD 104.06-09A - PED AND CURB-LANE CONTROL

MD 104.06-09C - PED AND CURB-LANE CONTROL

MD 104.06-16 - PAVEMENT EDGE DROP-OFF 2.5 INCHES OR LESS (BETWEEN TRAFFIC LANES AND SHOULDER)

MD 104.06-17 - PAVEMENT EDGE DROP-OFF GREATER THAN 2.5 INCHES BUT EQUAL TO OR LESS THAN 5 INCHES (BETWEEN TRAFFIC LANES AND SHOULDER)



DISTRICT 2
PROJECT DEVELOPMENT
MD 213 (LIBERTY STREET AND
COMMERCE STREET)
FROM MILL STREAM BRANCH
TO GRAVEL RUN
SAFETY AND RESURFACING

MAINTENANCE OF TRAFFIC GENERAL NOTES

SCALE N.T.S. ADVERTISED DATE DEC 2019 CONTRACT NO. QA2985177

DESIGNED BY DPK	COUNTY QUEEN ANNE'S
DRAWN BY PNK	LOGMILE 7.06 - 7.85
CHECKED BY GGW	HORIZONTAL SCALE N/A
MDE/PRD EXEMPT	VERTICAL SCALE N/A

DRAWING NO. MT-01	OF MT-01	SHEET NO. 30	OF 30
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