

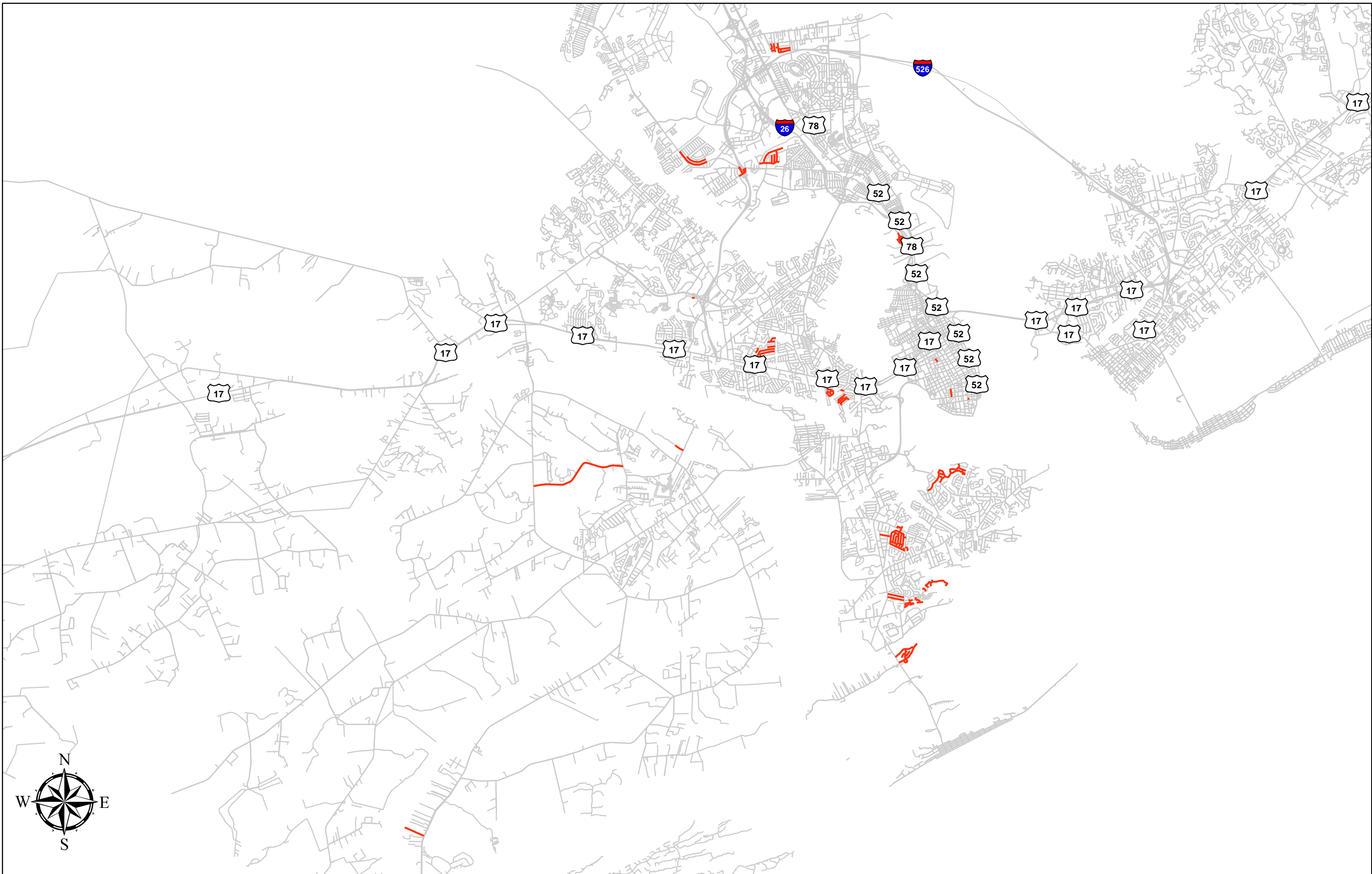
COUNTY OF CHARLESTON



CTC 2020 RESURFACING PLAN February 24, 2020

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CTC 2020 Resurfacing Plan Road List By Area

<u>Map#</u>	<u>Street Name</u>	<u>State Route Number</u>	<u>County District</u>
<u>James Island</u>			
8	ARBORWOOD DR		9
5	BUR CLARE DR	948	8
10	CABOT ST		9
6	CAPERTON WAY		9
10	CARMEL DR		9
4	COVEY LN		9
6	CRAB WALK		9
8	CRESTWOOD PL		9
8	DEVONS AV		9
8	DOVE RUN DR		9
8	DOWNWOOD PL		9
6	ELLISON RUN		9
6	FIDDLE WAY		9
9	FORT SUMTER DR		9
9	GREGG DR		9
8	KENTWOOD CIR		9
8	KINGSWOOD DR		9
6	LAKEFRONT DR		9
8	MAPLETON AV		9
8	MELLOWOOD PL		9
7	OAK TURN RD		9
6	OLD BATTERY CIR		9
8	PENWOOD PL		9
5	RAINBOW RD	1301	8
4	REFUGE RUN		9
8	RENWOOD DR		9
9	RIPLEY DR		9
7	SEA EAGLE WATCH		9
7	SEABASS COVE		9
8	SEDGE RD		9
10	SLOAN DR		9
8	STARWOOD CT		9
4	TEAL MARSH RD		9
4	TERNS NEST CT		9
4	TERNS NEST RD		9
7	TIDAL CREEK COVE		9
10	TRAVERS CT		9
10	TRAVERS DR		9
4	WADING HERON RD		9
4	WIGEON LN		9
4	WILD WING LN		9
9	WINSLOW DR		9
8	WOODSIDE DR		9
<u>Johns Island Wadmalaw</u>			
3	BRICKYARD RD	1958	8
2	FICKLING HILL RD	1440	8
1	HABITAT BLVD	2445	8
2	PATTON AV	1440	8

Map# Street Name

State Route
Number

County
District

North Charleston

21	CALIFF AV	993	3
21	CROWN AV	799	3
21	DELOACH ST		3
21	GREENBAY DR	996	3
21	HILT ST	994	3
20	LILAC AV		4
19	MARGINAL ST	2464	5
21	MARIETTA ST	995	3
19	OAKRIDGE DR		5
20	ORCHID AV		5
23	PALMETTO COMMERCE PKWY		6
18	PARAMOUNT DR	771	5
21	PASTOR DR	800	3
20	PRIMROSE AV		5
20	SPUR ST	1877	5
21	TED AV	1431	3
20	VIOLET AV		5
20	WHITNEY DR		5

Penninsula of Charleston

17	AUSTIN AV	1110	5
17	BIRDIE GARRETT ST	1108	5
17	DELANO ST	296	5
17	DOSHER AV		5
15	FRANKLIN ST		2
16	JASPER ST		4
17	ODESSA ST	1111	5
17	PEACE ST	295	5
17	PEONIE ST	1618	5
14	ROPEMAKERS LN		2
17	WHALEY WAY		5

West Ashley

13	ACACIA ST	1353	5
12	COLLETON DR		7
11	CULBERTSON DR	2292	7
22	HENRY TECKLENBURG DR		7
11	JAMAICA DR		7
13	JUNIPER ST		5
13	KIRKLEES ABBEY DR		5
13	LITTLEJOHN DR		5
11	LORD ASHLEY DR	400	7
12	LUDWELL ST		7
13	PRINCE JOHN DR		5
13	STAFFORDSHIRE DR		5
13	TAMARACK ST	1198	5
11	TARLETON DR		7
12	TYNTE ST		7

Quantity Sheet

<u>SCDOT Spec</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>
1071000	TRAFFIC CONTROL	1	LS
2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVEWAY AS DIRECTED) *	1515	SY
2024100	REMOVAL & DISPOSAL OF EXISTING CONCRETE GUTTER *	810	LF
2027000	REMOVAL & DISPOSAL OF EXISTING CONCRETE SIDEWALK *	1795	SY
2033000	BORROW EXCAVATION (FOR SHOULDERS) *	1789	CY
3050199	GRADED AGGREGATE BASE COURSE	20	TONS
3063450	Cement Modified Recycled Base (10" Uniform) Curing Method 3	27800	SY
3064000	Portland Cement for Cement Mod Rec Base	890	TONS
3069900	MAINTENANCE STONE*	20	TONS
4011004	LIQUID ASPHALT BINDER PG 64-22	1748	TONS
4012040	"FULL DEPTH ASPH. PAV. PATCHING 4"" UNIFORM"	22715	SY
4012040D	FULL DEPTH ASPH. PAV. PATCHING FOR DRIVES 4" UNIFORM	3055	SY
4013150	MILLING EXISTING ASPHALT PAVEMENT 1.5"	59885	SY
4013155	VARIABLE EDGE MILLING 1.5"	12170	SY
4013200	"MILLING EXISTING ASPHALT PAVEMENT 2""	10045	SY
4013400	"MILLING EXISTING ASPHALT PAVEMENT 4"" (for placement of 400 lb/sy)"	2900	SY
4013990	"VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	2805	SY
4110320	WARM MIX ASPHALT SURFACE COURSE TYPE B	4166	TON
4112320	WMA INTERMEDIATE COURSE TYPE B	300	TON
4113340	WARM MIX ASPHALT SURFACE COURSE TYPE C	20633	TON
4113340D	WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & INTERSECTIONS	3637	TON
4113360	WARM MIX ASPHALT SURFACE COURSE TYPE E	148	TON
6241005	4" WHITE BROKEN LINES(GAPS EXCL.)PERM.PVMT.MARKING	1310	LF
6241010	4" WHITE SOLID LINES (PVT. EDGE LINES) PERM.PVMT.MARKING	32420	LF
6241015	8" WHITE SOLID LINES PERM.PVMT.MARKINGS	600	LF
6241020	12" WHITE SOLID LINES - PERM.PVMT.MARKINGS	830	LF
6241023	12IN X 18IN WHITE TRIANG. YIELD BAR (GAPS EXC)PERM.PVMT.MARK	18	LF
6241023A	48IN X 48 IN WHITE YIELD TRIANGLE – PERM.PVMT.MARKING	33	EA
6241025	24" WHITE SOLID LINES (STOP/DIAG LINES)-PERM.PVMT.MARKING	2785	LF
6241030	WHITE SINGLE ARROWS (LT, STRGHT, RT) PERM.PVMT.MARKING	16	EA
6241035	WHITE WORD MESSAGE - ONLY, SLOW, STOP -PERM.PVMT.MARKING	5	EA
6241040	WHITE COMBINATION ARROWS(STR&RT.OR STR<)PERM.PVMT.MARKING	9	EA
6241064	4" YELLOW BROKEN LINES(GAPS EXC)PERM.PVMT.MARKING	9740	LF
6241074	4" YELLOW SOLID LINES(PVT.EDGE LINES) PERM.PVMT.MARKING	25360	LF
6250005	"4"" WHITE BROKEN LINES -(GAPS EXCLUDED) - FAST DRY PAINT*"	1310	LF
6250010	"4"" WHITE SOLID LINES (PVT. EDGE LINES) - FAST DRY PAINT"	32420	LF
6250015	"8"" WHITE SOLID LINES (CROSSWALK & CHANNELIZATION) FAST DRY PAINT *"	600	LF
6250020	12" WHITE SOLID LINES - FAST DRY PAINT	830	LF
6250025	"24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DRY PAINT"	2665	LF
6250030	"WHITE SINGLE ARROW (LEFT, STRAIGHT, RIGHT) - FAST DRY	16	EA
6250035	"WHITE WORD MESSAGE - ONLY, SLOW, STOP - FAST DRY PAINT	5	EA
6250040	WHITE COMBINATION ARROW (STR. & RT. OR STR. & LT.) - FAST DRY PAINT	9	EA
6250105	"4"" YELLOW BROKEN LINES -(GAPS EXCLUDED) - FAST DRY PAINT"	9740	LF
6250110	"4"" YELLOW SOLID LINE (PVT. EDGE & NO PASSING) - FAST DRY PAINT"	25360	LF
6251023	48IN X 48 IN WHITE YIELD TRIANGLE FAST DRY	33	EA
6251023A	12IN X 18IN WHITE TRIANG. YIELD BAR (GAPS EXC) FAST DRY PAINT*	18	EA
6300005	"PERMANENT CLEAR PAVEMENT MARKERS - MONO-DIR. - 4""x4"" *"	160	EA
6301005	"PERMANENT YELLOW PAVEMENT MARKER MONO- DIR. - 4""x4""	76	EA
6301100	"PERMANENT YELLOW PAVEMENT MARKER BI- DIR. - 4""x4""	508	EA
675XXXX	TRAFFIC LIGHT TIMING LOOPS- MOTORCYCLE SENSITIVE (COMPLETE)	4	EA

* THESE QUANTITIES ARE NOT SHOWN IN DETAIL BUT ARE INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER

<u>SCDOT Spec</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>
7141112	15" RC PIPE CULVERT - CLASS III (IN PLACE)*	24	LF
7197110	ADJUST CATCH BASIN (REPAIR C.B. TYPE 1)	2	EA
7197130	ADJUST DROP INLET	7	EA
7203210	CONCRETE CURB AND GUTTER 2'0"	630	LF
7204100	CONCRETE SIDEWALK (4-IN UNIFORM)*	535	SY
7204900	DETECTABLE WARNING SURFACE (Cast in place where applicable)	450	SF
7204900D	DETECTABLE WARNING MATERIAL- DOWNTOWN	160	SF
7205000	"CONCRETE DRIVEWAY (6'" UNIFORM)"	1340	SY
7209000	PEDESTRIAN RAMP CONTRUCTION	1250	SY
8100001	PERMANENT VEGETATION	56.53	MSY
8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)*	50	LF
8152007	SEDIMENT TUBE*	50	LF
8153000	SILT FENCE*	200	LF
9999999	Special Contract Item: Speed Hump	6	EA

* THESE QUANTITIES ARE NOT SHOWN IN DETAIL BUT ARE INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER

Manhole Report

Map Number	Route	Manhole	Lower	Raise	Valve	Lower	Raise
4	TERNS NEST RD	2		2			
4	TERNS NEST CT	1		1			
4	WIGEON LN	1		1	1		1
4	WILD WING LN	4		4			
7	SEABASS COVE	1					
8	WOODSIDE DR	5		5			
8	ARBORWOOD DR	1		1			
8	DEVONS AV	3		2			
8	DOWNWOOD PL	1					
8	KENTWOOD CIR	4		3	1		1
8	KINGSWOOD DR	1		1			
8	MELLOWOOD PL	1		1			
8	PENWOOD PL	1		1			
8	SEDGE RD	1					
9	WINSLOW DR	2		2			
9	GREGG DR	2		2			
9	RIPLEY DR	1	1	1			
9	FORT SUMTER DR	10		10			
11	LORD ASHLEY DR	2		2	1		1
13	TAMARACK ST	1		1			
13	STAFFORDSHIRE DR	1			1		
13	PRINCE JOHN DR	1		1			
13	ACACIA ST	1		1			
13	JUNIPER ST	2		2			
15	FRANKLIN ST	6		3	3		
16	JASPER ST	4			1		
17	PEACE ST	3		3	1		1
17	ODESSA ST	1		1			
17	DOSHER AV	4		2	1		1
17	DELANO ST	3		3			
17	BIRDIE GARRETT ST	3		3			
17	AUSTIN AV	4		4	2		2
18	PARAMOUNT DR	8		6			
19	OAKRIDGE DR	3		3	1		
21	MARIETTA ST	1		1			
21	CALIFF AV	4		4			
21	CROWN AV	1		1	1		1

1. Figures are representative estimates alerting to potential issues, exact quantities to be confirmed in field by contractor.

2. The Contractor must coordinate with the Utility Company to determine the best practice for correcting conditions in the field. The Charleston County Utility Coordinator will assist the Contractor with the coordination.

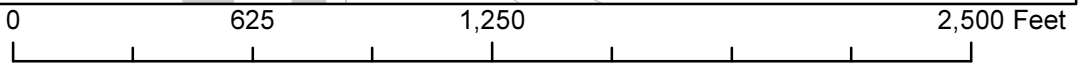
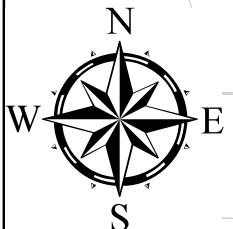
3. Roadway Milling was taken into consideration when this table was developed. However, this is an estimate and the Contractor must complete their own assessment of the manholes and valves to determine the amount of adjustment necessary to ensure a smooth ride.

Manhole Report

Map Number	Route	Manhole	Lower	Raise	Valve	Lower	Raise
21	DELOACH ST				2		2
21	HILT ST	2		2			
21	PASTOR DR	1		1			
21	GREENBAY DR	3		3	1		1

1. Figures are representative estimates alerting to potential issues, exact quantities to be confirmed in field by contractor.
2. The Contractor must coordinate with the Utility Company to determine the best practice for correcting conditions in the field. The Charleston County Utility Coordinator will assist the Contractor with the coordination.
3. Roadway Milling was taken into consideration when this table was developed. However, this is an estimate and the Contractor must complete their own assessment of the manholes and valves to determine the amount of adjustment necessary to ensure a smooth ride.

MAP 1



MapNumber	Route																				
2	FICKLING HILL RD	50	120	18700	600	111	355	120	1683	129	16825	60	5920	8285	16825	60	5920	8285	111	4.49	
2	PATTON AV	25	60	9100	290	54	175	60	818	62	8175	24	2880	4025	8175	24	2880	4025	54	2.18	
	Total	75	180	27800	890	165	530	180	2501	191	25000	84	8800	12310	25000	84	8800	12310	165	6.67	

* Full depth reclamation Fickling Hill Rd and Patton Av

MAP 3



MapNumber	Route																		
3	BRICKYARD RD																		
		2033000 BORROW EXCAVATION (FOR SHOULDERS) *	14	21	200	30	200	330	20	750	12	280	300	750	12	280	300	17	
		4011004 LIQUID ASPHALT BINDER PG 64-22																	
		4012040 "FULL DEPTH ASPH_PAV_PATCHING 4" UNIFORM"																	
		4012040D FULL DEPTH ASPH_PAV_PATCHING FOR DRIVES 4" UNIFORM																	
		4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS																	
		4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C																	
		4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I																	
		6241010 4" WHITE SOLID LINES (PVT_EDGE LINES) PERM_PVMT_MARKIN																	
		6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI																	
		6241064 4" YELLOW BROKEN LINES(GAPS EXC)PERM_PVMT_MARKING																	
		6241074 4" YELLOW SOLID LINES(PVT_EDGE LINES) PERM_PVMT_MARKING																	
		6250010 "4" WHITE SOLID LINES (PVT_EDGE LINES) - FAST DRY PAI																	
		6250025 "24" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR																	
		6250105 "4" YELLOW BROKEN LINES -(GAPS EXCLUDED) - FAST DRY PA																	
		6250110 "4" YELLOW SOLID LINE (PVT_EDGE & NO PASSING) - F																	
		6301100 "PERMANENT YELLOW PAVEMENT MARKER BI- DIR_ - 4"																	
		8100001 PERMANENT VEGETATION																	
	Total		14	21	200	30	200	330	20	750	12	280	300	750	12	280	300	17	0.5



MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2033000 BORROW EXCAVATION (FOR SHOULDERS) *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4"" UNIFORM"	4012040D FULL DEPTH ASPH_PAV_PATCHING FOR DRIVES 4" UNIFORM	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250025 "24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	7205000 "CONCRETE DRIVEWAY (6"" UNIFORM)"	8100001 PERMANENT VEGETATION
4	COVEY LN	0	13	12	50	50	0	170	34	24	24	0	0.47
4	REFUGE RUN	0	3	4	150	20	0	40	20	12	12	0	0.13
4	TEAL MARSH RD	0	46	36	1150	100	50	475	131	12	0	0	1.67
4	TERNS NEST CT	0	1	2	50	10	0	20	8	12	12	0	0.05
4	TERNS NEST RD	0	62	50	500	300	75	575	250	24	24	0	1.67
4	WADING HERON RD	30	9	11	250	0	0	130	56	12	12	30	0.33
4	WIGEON LN	0	11	14	300	80	0	170	62	12	12	0	0.4
4	WILD WING LN	0	18	20	100	100	0	220	110	36	36	0	0.67
	Total	30	163	149	2550	660	125	1800	671	144	132	30	5.39

*Include paving of asphalt aprons in front of community mailboxes located on Terns Nest & Teal Marsh Road.

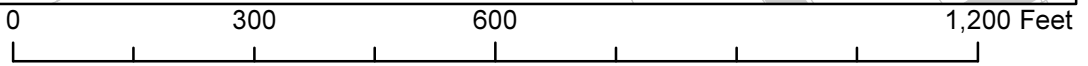
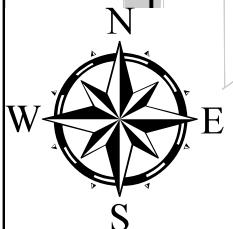
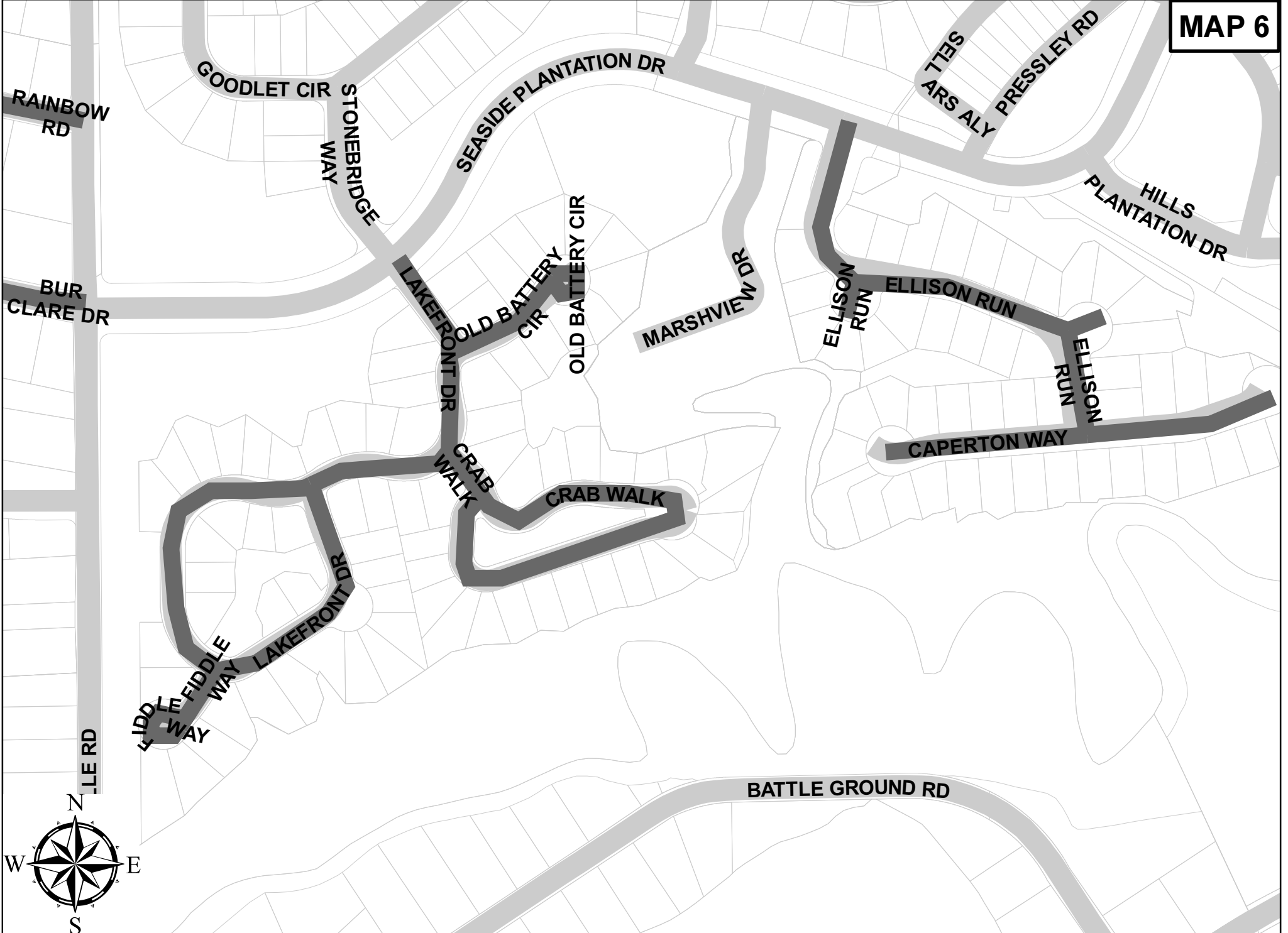
MAP 5



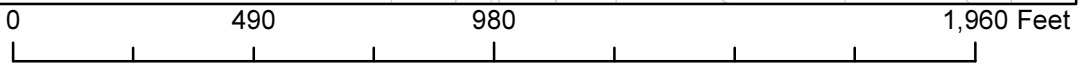
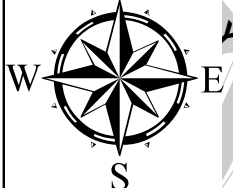
MapNumber	Route	9999999 Special Contract Item: Speed Hump
5	BUR CLARE DR	3
5	RAINBOW RD	3
	Total	6

* See Speed Hump Detail for Bur Clare Dr & Rainbow Rd on Page 58. Install 3 Flat-Topped Speed Humps on each road placed at 515' intervals (approximately).

* Lump Sum includes installation of speed hump, striping, and signage.

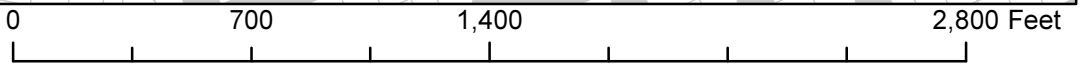
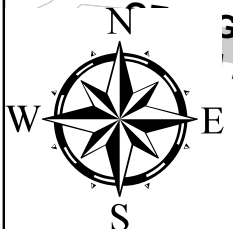
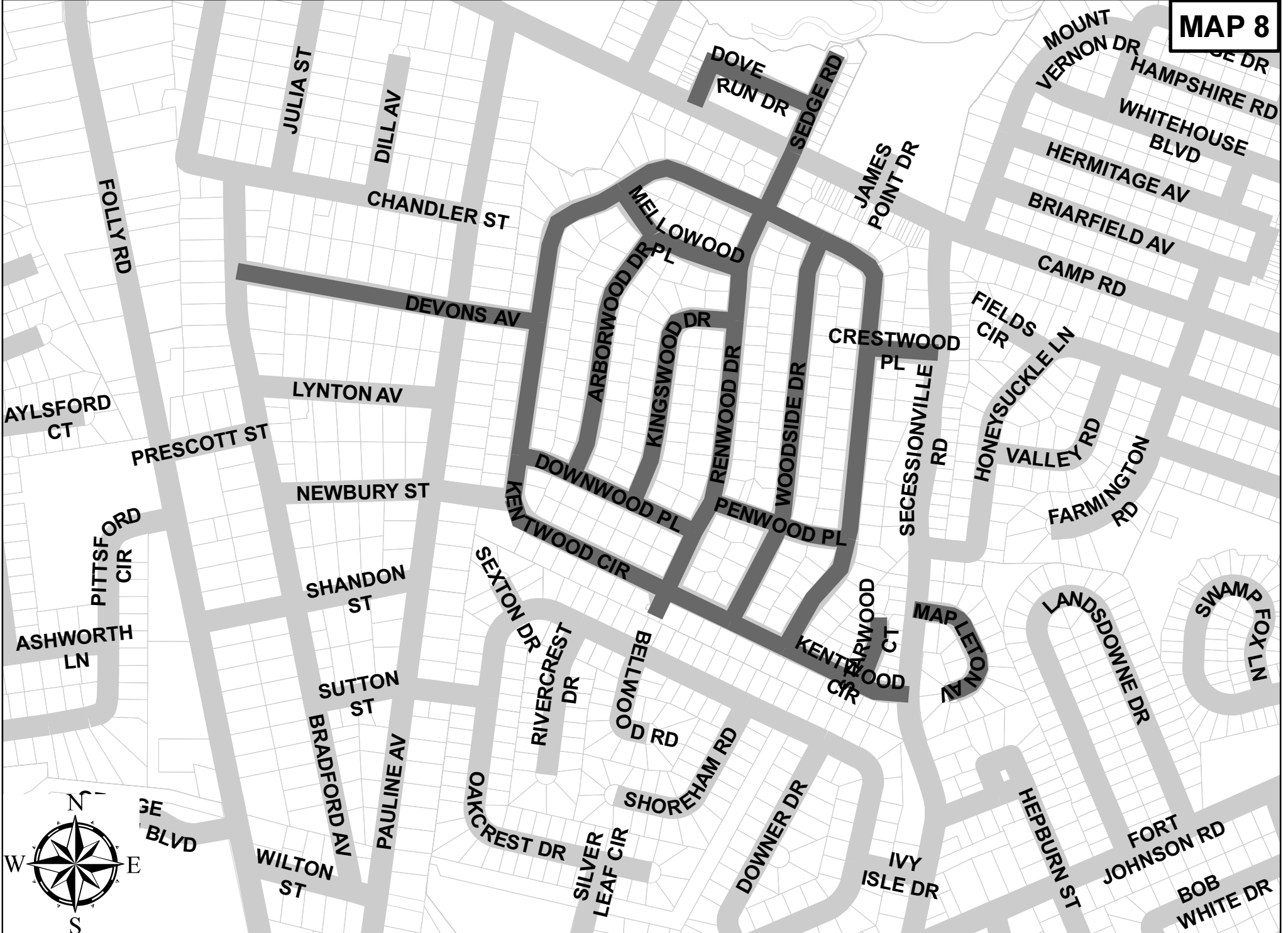


MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2024100 REMOVAL & DISPOSAL OF EXISTING CONCRETE GUTTER *	2027000 REMOVAL & DISPOSAL OF EXISTING CONCRETE SIDEWALK *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4"" UNIFORM"	4013150 MILLING EXISTING ASPHALT PAVEMENT 1_5"	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250025 "24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	7203210 CONCRETE CURB AND GUTTER 2'0"	7204100 CONCRETE SIDEWALK (4-IN UNIFORM)*	7204900 DETECTABLE WARNING SURFACE (Cast in place where applica	7205000 "CONCRETE DRIVEWAY (6"" UNIFORM)"	7209000 PEDESTRIAN RAMP CONSTRUCTION
6	CAPERTON WAY	0	20	75	12	100	2500	200	5	0	0	0	25	20	0	50
6	CRAB WALK	25	0	0	16	150	3200	250	15	26	26	0	0	0	25	0
6	ELLISON RUN	0	70	150	17	200	3300	270	10	26	26	20	25	50	0	125
6	FIDDLE WAY	0	0	0	5	50	800	75	5	12	12	0	0	0	0	0
6	LAKEFRONT DR	0	0	0	25	200	4800	400	15	26	26	0	0	0	0	0
6	OLD BATTERY CIR	0	0	0	7	100	1300	110	5	12	12	0	0	0	0	0
	Total	25	90	225	82	800	15900	1305	55	102	102	20	50	70	25	175



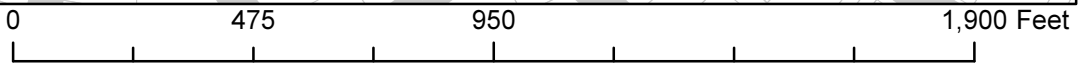
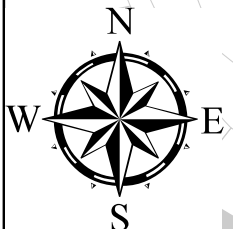
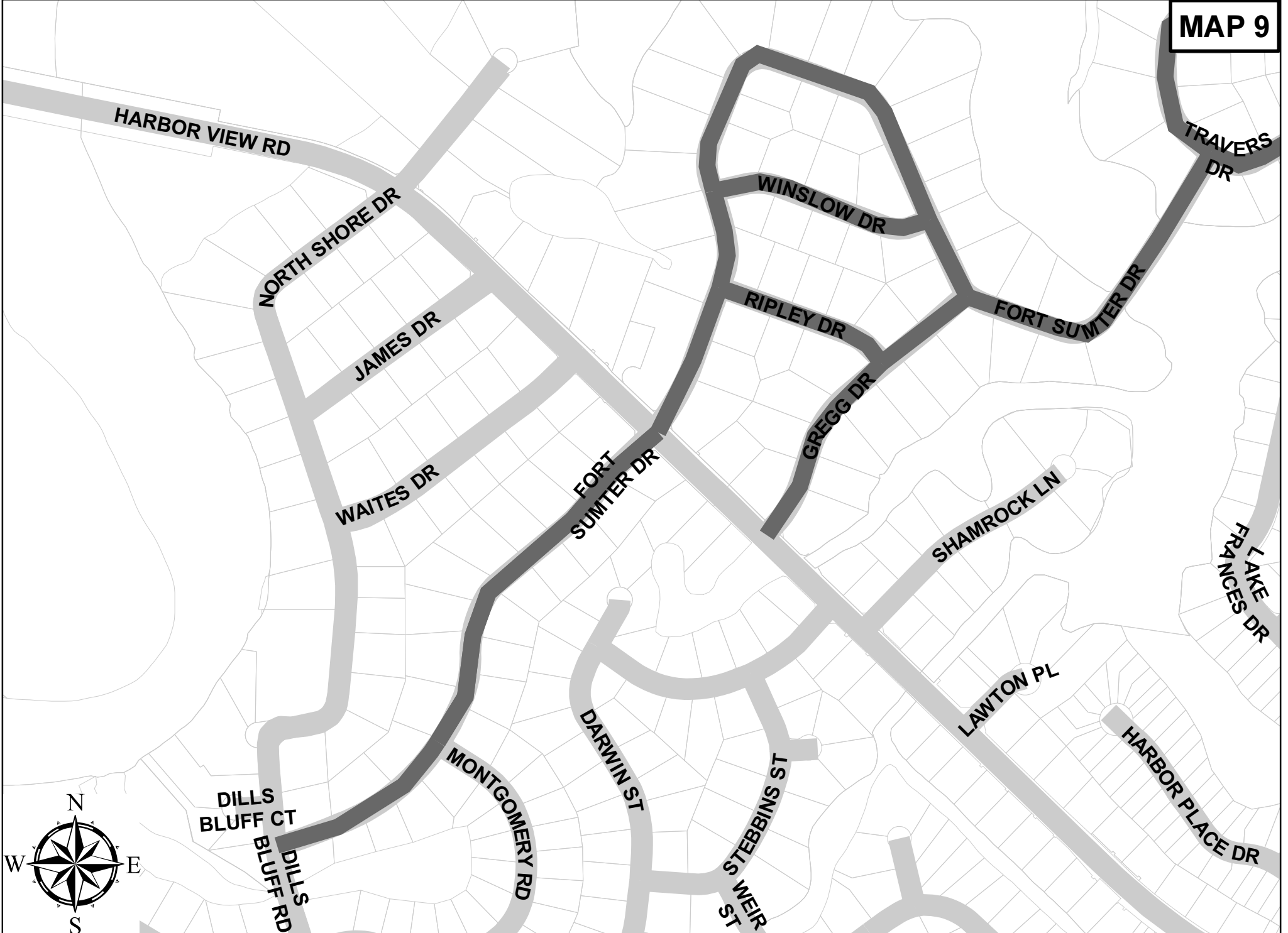
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7	OAK TURN RD	0	50	25	9	50	1650	140	5	12	12	40	10	0	25
7	SEA EAGLE WATCH	25	50	0	37	125	7500	600	15	0	0	50	0	25	0
7	SEABASS COVE	0	10	0	4	50	800	65	5	12	12	10	0	0	0
7	TIDAL CREEK COVE	0	40	0	23	200	4500	360	20	24	24	40	0	0	0
	Total	25	150	25	73	425	14450	1165	45	48	48	140	10	25	25

MAP 8



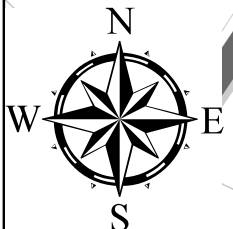
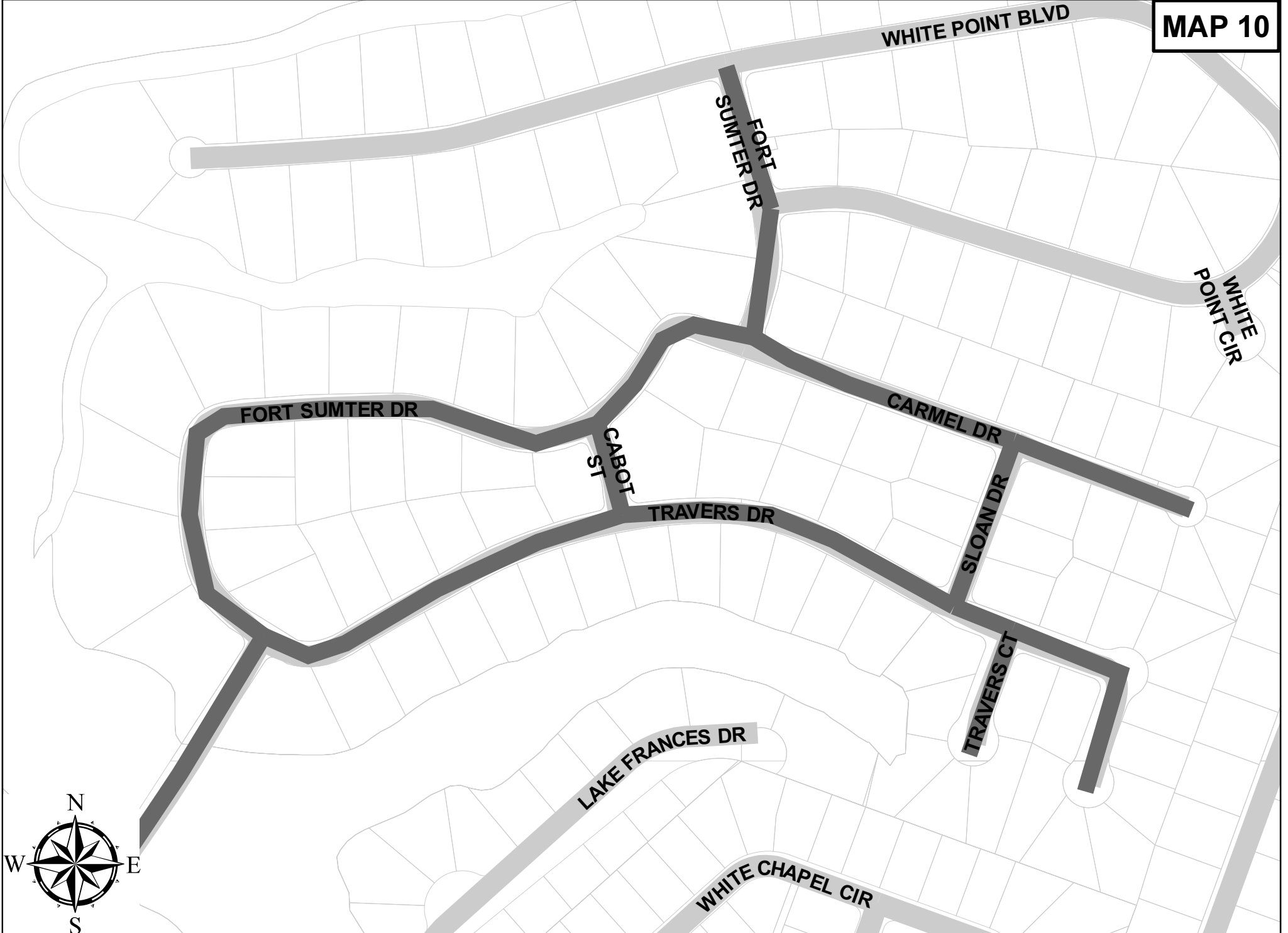
MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2027000 REMOVAL & DISPOSAL OF EXISTING CONCRETE SIDEWALK *	2033000 BORROW EXCAVATION (FOR SHOULDERS) *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_ PATCHING 4"" UNIFORM"	4012040D FULL DEPTH ASPH_PAV_ PATCHING FOR DRIVES 4" UNIFORM	4013150 MILLING EXISTING ASPHALT PAVEMENT 1_5"	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241023A 48IN X 48 IN WHITE YIELD TRIANGLE -- PERM_PVMT_MARKING	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250025 "24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	6251023 48IN X 48 IN WHITE YIELD TRIANGLE FAST DRY	6300005 "PERMANENT CLEAR PAVEMENT MARKERS - MONO-DIR_ - 4""X4""	7204900 DETECTABLE WARNING SURFACE (Cast in place where applica	7205000 "CONCRETE DRIVEWAY (6"" UNIFORM)"	7209000 PEDESTRIAN RAMP CONTRUCTION	8100001 PERMANENT VEGETATION
8	ARBORWOOD DR	25	0	25	13	240	0	0	0	200	10	0	24	24	0	0	0	25	0	0.4
8	CRESTWOOD PL	0	0	3	4	50	0	0	25	60	10	0	24	24	0	0	0	0	0	0.1
8	DEVONS AV	25	0	27	18	150	40	0	75	240	68	0	48	48	0	0	0	25	0	0.44
8	DOVE RUN DR	0	0	0	10	50	0	2100	0	160	10	0	24	24	0	0	0	0	0	0
8	DOWNWOOD PL	25	0	16	10	250	0	0	0	150	10	0	24	24	0	0	0	25	0	0.27
8	KENTWOOD CIR	100	0	115	73	800	0	1000	0	1170	50	0	48	48	0	0	0	100	0	4
8	KINGSWOOD DR	50	0	24	13	150	0	0	0	185	25	0	24	24	0	0	0	50	0	0.38
8	MAPLETON AV	0	0	0	9	0	0	1900	0	150	5	4	12	12	4	20	0	0	0	0
8	MELLOWOOD PL	25	0	8	8	50	0	0	0	110	22	0	24	24	0	0	0	25	0	0.3
8	PENWOOD PL	0	0	12	8	225	20	0	0	105	20	0	48	48	0	0	0	0	0	0.2
8	RENWOOD DR	25	0	28	26	350	30	0	25	400	28	0	24	24	0	0	0	25	0	1
8	SEDGE RD	0	0	0	7	50	0	1460	0	110	5	0	12	12	0	0	0	0	0	0
8	STARWOOD CT	0	25	0	6	0	0	1200	0	90	5	0	12	12	0	0	10	0	25	0
8	WOODSIDE DR	75	0	22	20	175	0	0	0	315	25	0	24	24	0	0	0	75	0	0.8
	Total	350	25	280	225	2540	90	7660	125	3445	293	4	372	372	4	20	10	350	25	7.89

MAP 9



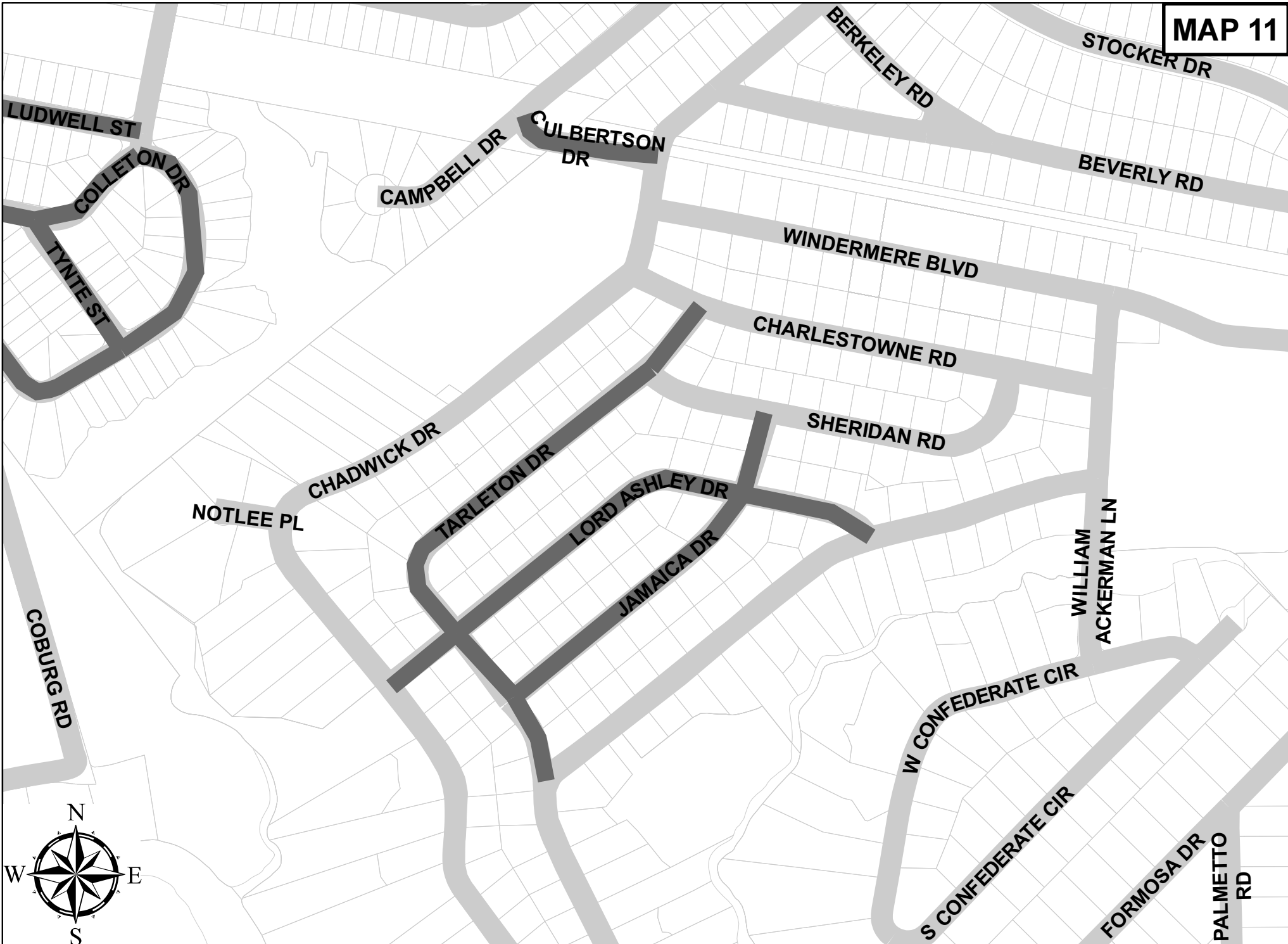
MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2033000 BORROW EXCAVATION (FOR SHOULDERS) *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4" UNIFORM"	4012040D FULL DEPTH ASPH_PAV_PATCHING FOR DRIVES 4" UNIFORM	4013155 VARIABLE EDGE MILLING 1_5"	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)-PERM_PVMT_MARKI	6250025 "24" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	7205000 "CONCRETE DRIVEWAY (6" UNIFORM)"	8100001 PERMANENT VEGETATION
9	FORT SUMTER DR	150	140	82	1500	100	300	100	1275	85	84	84	150	5
9	GREGG DR	30	19	12	500	15	0	50	170	27	12	12	30	0.67
9	RIPLEY DR	0	3	6	60	0	0	0	90	10	24	24	0	0.38
9	WINSLOW DR	0	13	7	300	20	0	0	110	10	24	24	0	0.47
	Total	180	175	107	2360	135	300	150	1645	132	144	144	180	6.52

MAP 10



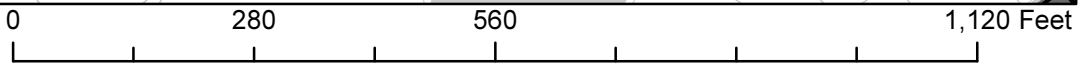
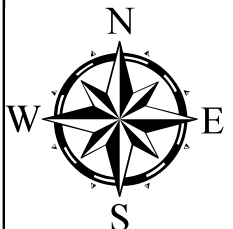
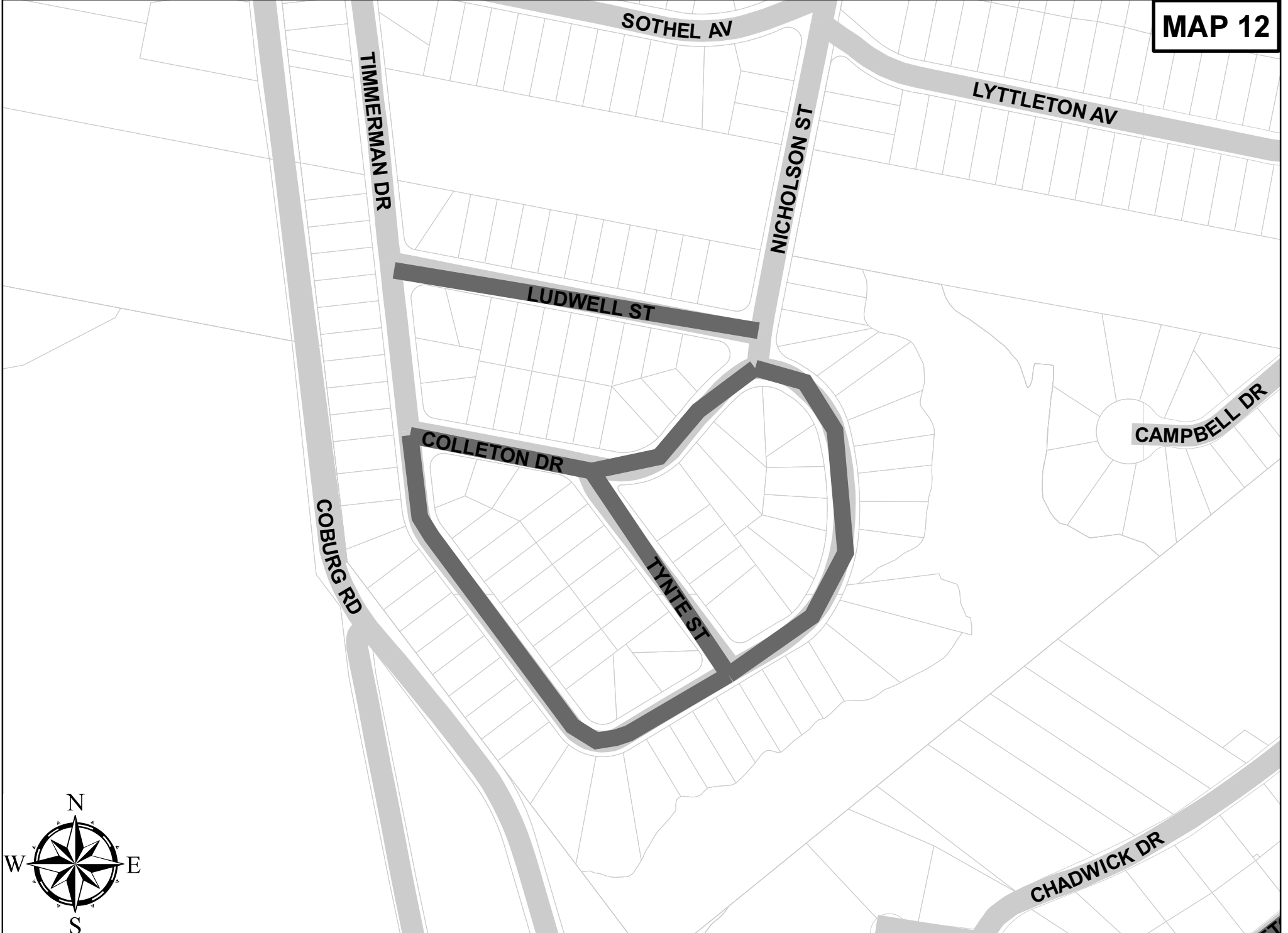
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MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2033000 BORROW EXCAVATION (FOR SHOULDERS) *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4"" UNIFORM"	4013150 MILLING EXISTING ASPHALT PAVEMENT 1_5"	4013155 VARIABLE EDGE MILLING 1_5"	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250025 "24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	7205000 "CONCRETE DRIVEWAY (6"" UNIFORM)"	8100001 PERMANENT VEGETATION
10	CABOT ST	0	3	3	0	0	0	0	36	10	24	24	0	0.08
10	CARMEL DR	30	11	11	250	0	650	50	180	10	12	12	30	0.4
10	SLOAN DR	0	3	4	50	0	0	0	55	10	24	24	0	0.1
10	TRAVERS CT	0	0	5	100	1000	0	0	75	5	0	0	0	0
10	TRAVERS DR	0	25	25	600	0	1100	100	360	50	36	36	0	0.93
	Total	30	42	48	1000	1000	1750	150	706	85	96	96	30	1.51

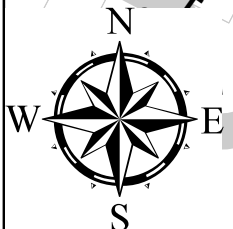
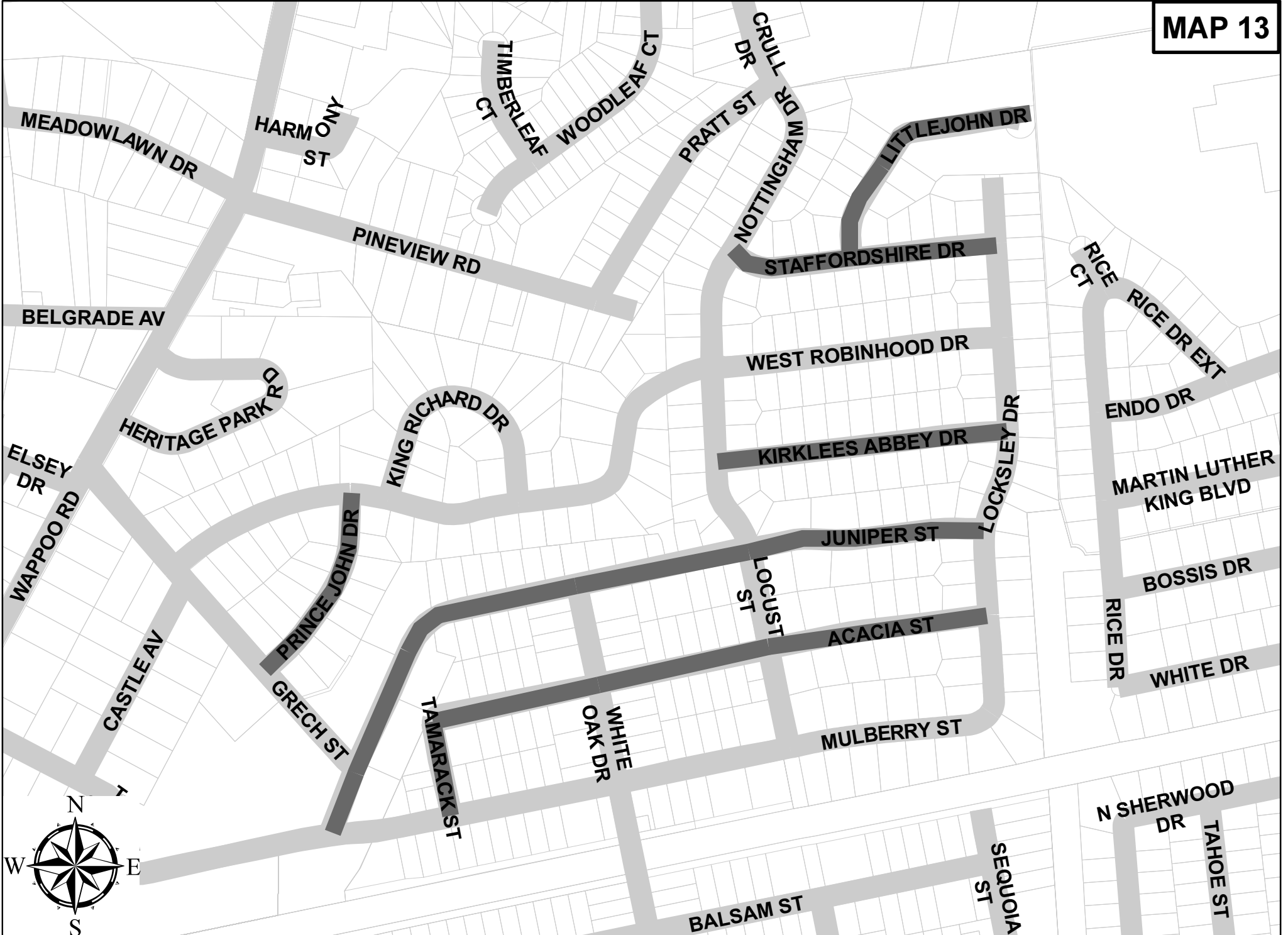


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MapNumber	Route	2033000 BORROW EXCAVATION (FOR SHOULDERS) *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4"" UNIFORM"	4012040D FULL DEPTH ASPH_PAV_PATCHING FOR DRIVES 4" UNIFORM	4013155 VARIABLE EDGE MILLING 1_5"	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241020 12" WHITE SOLID LINES - PERM_PVMT_MARKINGS	6241023A 48IN X 48 IN WHITE YIELD TRIANGLE -- PERM_PVMT_MARKING	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)-PERM_PVMT_MARKI	6241074 4" YELLOW SOLID LINES(PVT_EDGE LINES) PERM_PVMT_MARKING	6250020 12" WHITE SOLID LINES - FAST DRY PAINT	6250025 "24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	6250110 "4"" YELLOW SOLID LINE (PVT_EDGE & NO PASSING) - F	6251023 48IN X 48 IN WHITE YIELD TRIANGLE FAST DRY	6300005 "PERMANENT CLEAR PAVEMENT MARKERS - MONO-DIR_ - 4""X4""	6301100 "PERMANENT YELLOW PAVEMENT MARKER BI- DIR_ - 4""	8100001 PERMANENT VEGETATION
11	CULBERTSON DR	3	6	100	0	350	100	85	10	110	4	24	0	110	24	0	4	20	0	0.12
11	JAMAICA DR	15	15	400	20	0	100	195	56	0	0	48	0	0	48	0	0	0	0	0.53
11	LORD ASHLEY DR	24	23	400	45	0	50	285	94	0	0	36	0	0	36	0	0	0	0	0.87
11	TARLETON DR	28	25	250	0	75	100	330	84	0	0	50	3700	0	50	3700	0	0	25	1
	Total	70	69	1150	65	425	350	895	244	110	4	158	3700	110	158	3700	4	20	25	2.52

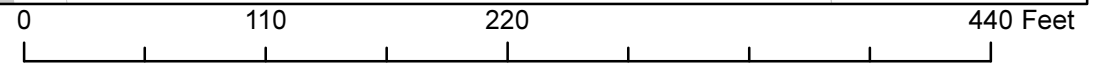
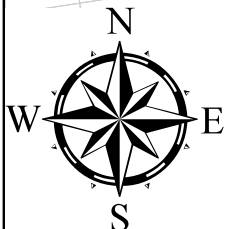


MapNumber	Route	2024100 REMOVAL & DISPOSAL OF EXISTING CONCRETE GUTTER *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4"" UNIFORM"	4013150 MILLING EXISTING ASPHALT PAVEMENT 1_5"	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250025 "24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	7203210 CONCRETE CURB AND GUTTER 2'0"
12	COLLETON DR	50	28	200	6000	450	20	26	26	50
12	LUDWELL ST	40	8	100	1700	125	10	24	24	40
12	TYNTE ST	0	6	75	1075	85	10	24	24	0
	Total	90	42	375	8775	660	40	74	74	90



0 495 990 1,980 Feet

MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2024100 REMOVAL & DISPOSAL OF EXISTING CONCRETE GUTTER *	2027000 REMOVAL & DISPOSAL OF EXISTING CONCRETE SIDEWALK *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_ PATCHING 4"" UNIFORM"	4012040D FULL DEPTH ASPH_PAV_ PATCHING FOR DRIVES 4" UNIFORM	4013155 VARIABLE EDGE MILLING 1_5"	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250025 "24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	6250035 "WHITE WORD MESSAGE - ONLY, SLOW, STOP - FAST DRY PAINT	6301100 "PERMANENT YELLOW PAVEMENT MARKER B DIR_ - 4""	7197130 ADJUST DROP INLET	7203210 CONCRETE CURB AND GUTTER 2'0"	7204900 DETECTABLE WARNING SURFACE (Cast in place where applica	7205000 "CONCRETE DRIVEWAY (6"" UNIFORM)"	7209000 PEDESTRIAN RAMP CONSTRUCTION
13	ACACIA ST	50	20	50	26	200	50	0	200	315	115	48	48	0	25	0	0	20	50	50
13	JUNIPER ST	75	200	25	33	1000	120	800	150	480	72	48	48	2	34	0	200	10	75	25
13	KIRKLEES ABBEY DR	0	0	0	10	100	40	0	50	160	10	24	24	0	0	0	0	0	0	0
13	LITTLEJOHN DR	0	0	0	10	150	40	875	0	155	10	10	10	0	0	1	0	0	0	0
13	PRINCE JOHN DR	25	0	0	8	150	60	0	50	115	22	20	20	0	0	0	0	0	25	0
13	STAFFORDSHIRE DR	0	0	0	10	150	100	0	0	150	15	12	12	0	0	0	0	0	0	0
13	TAMARACK ST	0	0	0	4	50	0	0	0	50	17	12	12	0	5	0	0	0	0	0
	Total	150	220	75	101	1800	410	1675	450	1425	261	174	174	2	64	1	200	30	150	75

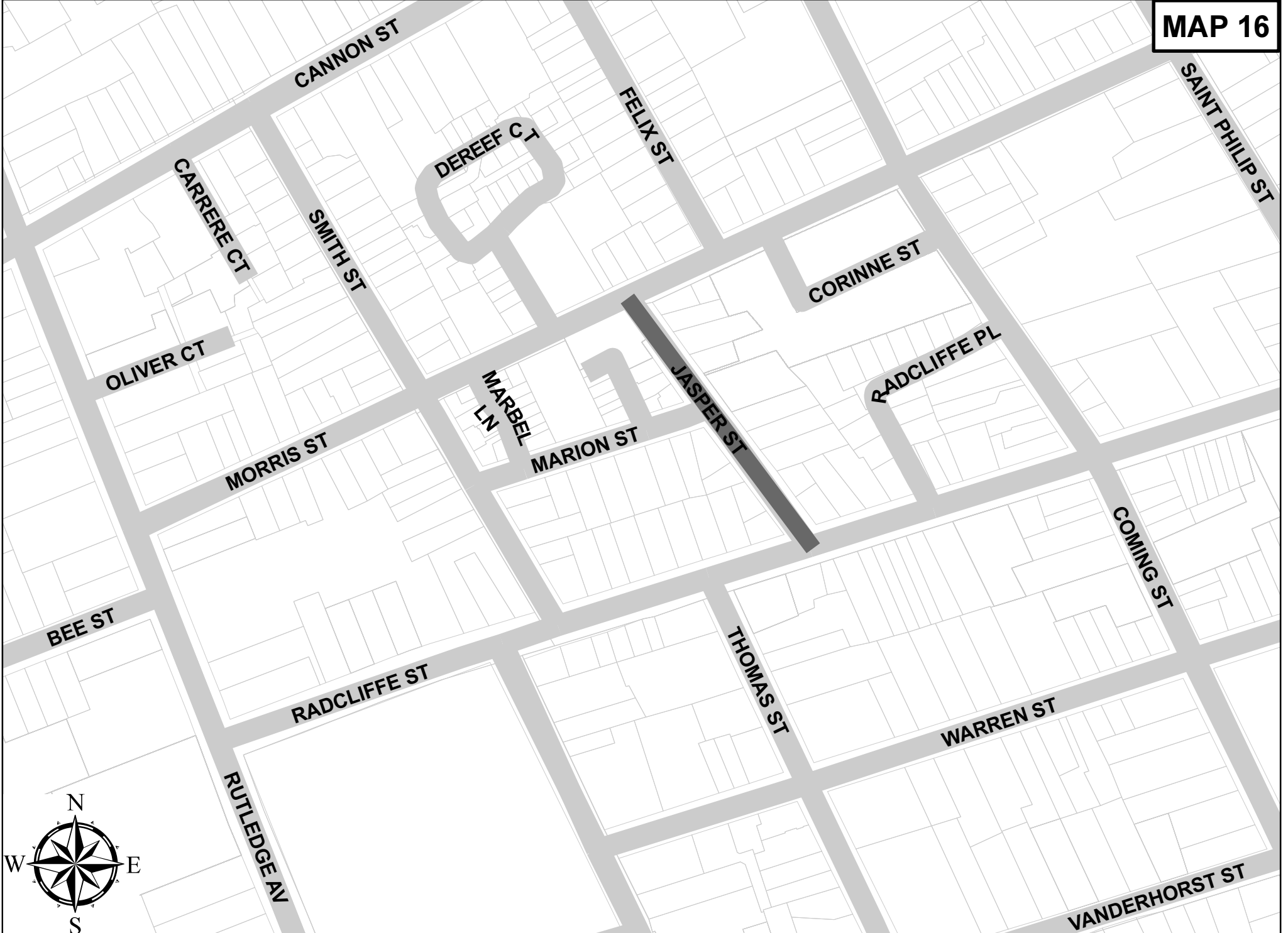


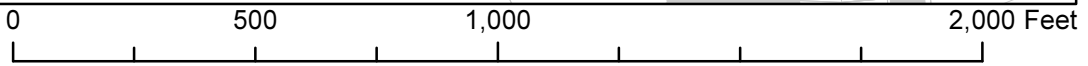
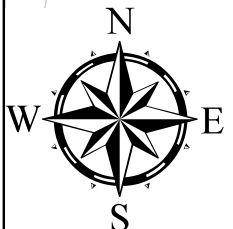
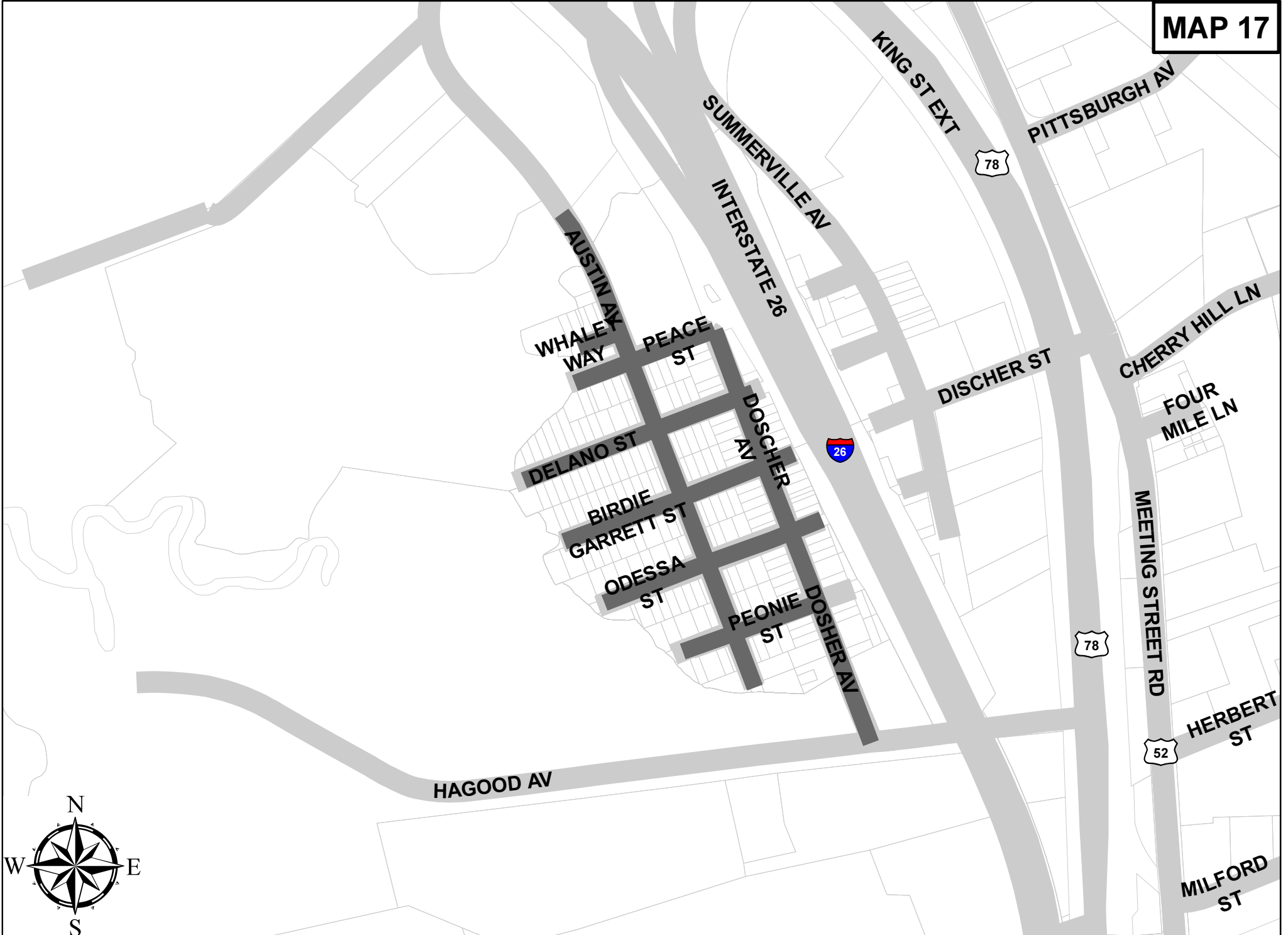
MapNumber	Route								
14	ROPEMAKERS LN	2	250	300	25	5	10	10	20
	Total	2	250	300	25	5	10	10	20

* Road has low vertical/width clearance. No vibratory rollers. Must mill in front of decorative driveway to maintain flush surface.



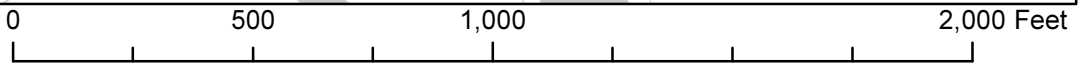
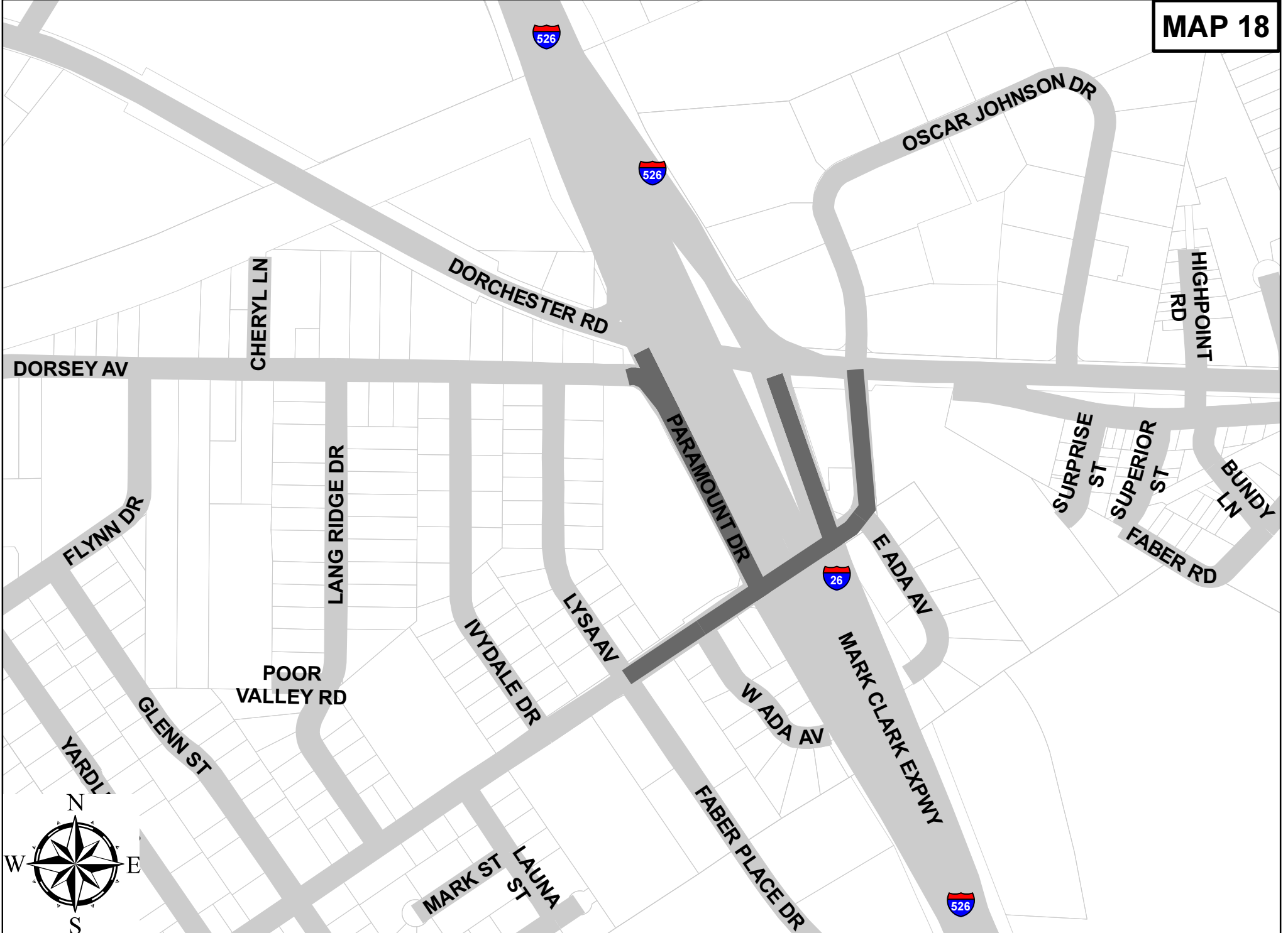
MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2027000 REMOVAL & DISPOSAL OF EXISTING CONCRETE SIDEWALK *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4"" UNIFORM"	4013150 MILLING EXISTING ASPHALT PAVEMENT 1_5"	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241020 12" WHITE SOLID LINES - PERM_PVMT_MARKINGS	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250020 12" WHITE SOLID LINES - FAST DRY PAINT	7204100 CONCRETE SIDEWALK (4-IN UNIFORM)*	7204900 DETECTABLE WARNING SURFACE (Cast in place where applica	7209000 PEDESTRIAN RAMP CONSTRUCTION
15	FRANKLIN ST	100	250	19	700	3750	200	280	40	720	96	720	100	60	150
	Total	100	250	19	700	3750	200	280	40	720	96	720	100	60	150



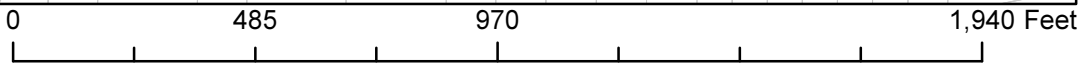
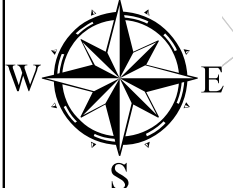


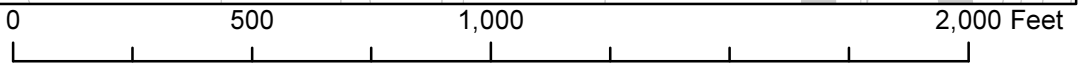
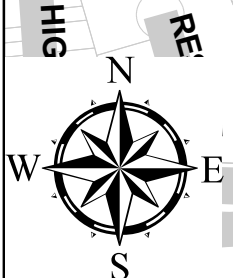
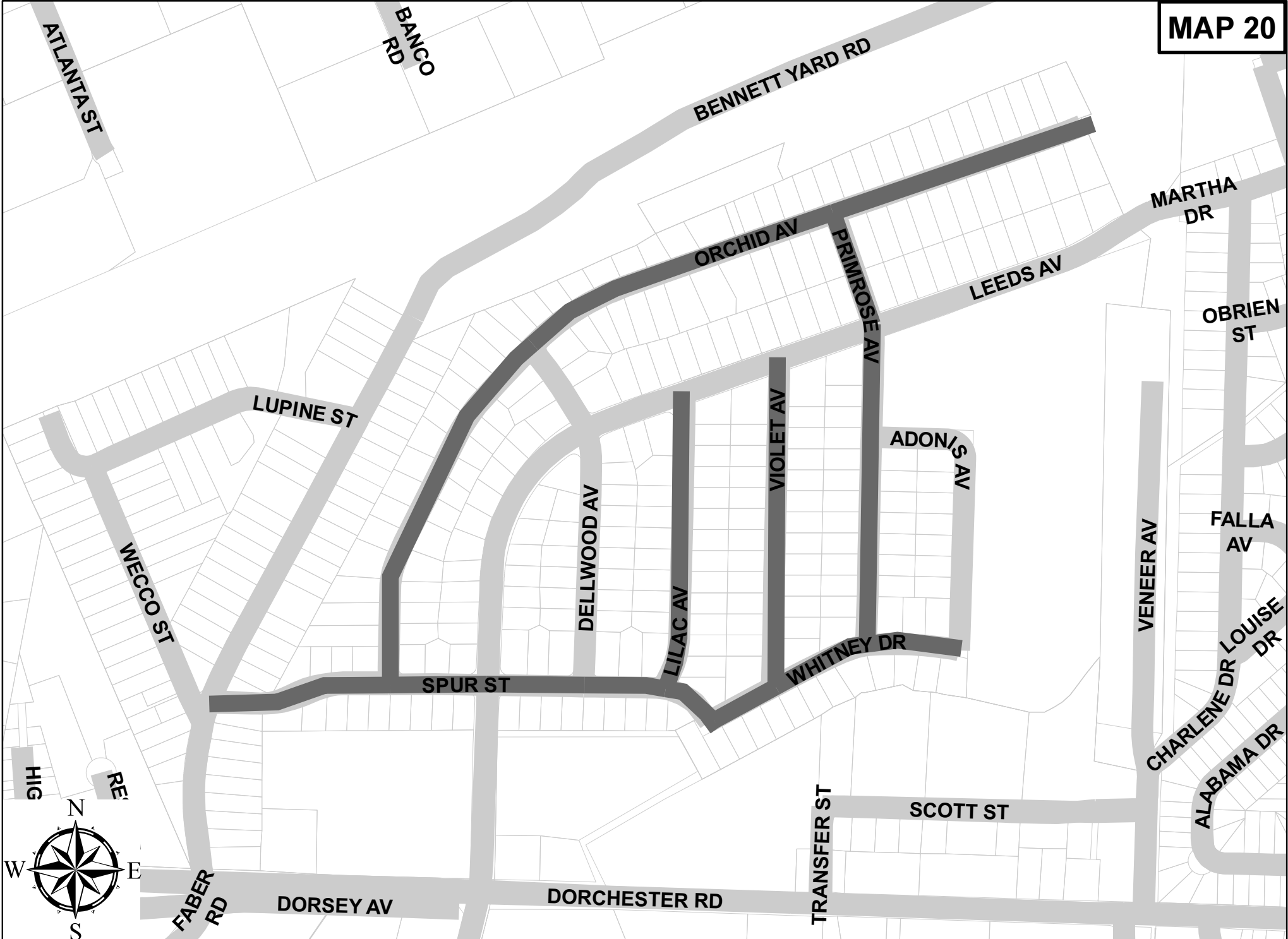
MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2027000 REMOVAL & DISPOSAL OF EXISTING CONCRETE SIDEWALK *	2033000 BORROW EXCAVATION FOR SHOULDERS *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_ PATCHING 4" UNIFORM"	4012040D FULL DEPTH ASPH_PAV_ PATCHING FOR DRIVES 4" UNIFORM	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	4113360 WARM MIX ASPHALT SURFACE COURSE TYPE E	6241023A 48IN X 48 IN WHITE YIELD TRIANGLE - PERM_PVMT_MARKING	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6241074 4" YELLOW SOLID LINES(PVT_EDGE LINES) PERM_PVMT_MARKING	6250025 "24" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	6250110 "4" YELLOW SOLID LINE (PVT_EDGE & NO PASSING) - F	6251023 48IN X 48 IN WHITE YIELD TRIANGLE FAST DRY	6300005 "PERMANENT CLEAR PAVEMENT MARKERS - MONO-DIR_ - 4"X4"	6301100 "PERMANENT YELLOW PAVEMENT MARKER B+ DIR_ - 4"	7204100 CONCRETE SIDEWALK (4-IN UNIFORM)*	7204900 DETECTABLE WARNING SURFACE (Cast in place where applica	7204900D DETECTABLE WARNING MATERIAL- DOWNTOWN	7205000 "CONCRETE DRIVEWAY (6" UNIFORM)"	7209000 PEDESTRIAN RAMP CONSTRUCTION	8100001 PERMANENT VEGETATION
17	AUSTIN AV	0	300	14	23	600	100	100	250	50	80	12	60	2300	60	2300	12	60	17	100	0	80	0	200	0.53
17	BIRDIE GARRETT ST	0	110	6	10	250	20	0	120	20	18	0	36	1400	36	1400	0	0	10	10	40	0	0	100	0.2
17	DELANO ST	0	10	13	15	200	10	0	205	50	0	0	36	0	36	0	0	0	12	10	0	0	0	0	0.2
17	DOSHER AV	25	15	12	15	100	160	100	255	25	30	12	36	950	36	950	12	60	20	15	0	0	25	0	0.3
17	ODESSA ST	0	60	6	10	200	10	0	110	20	0	0	36	0	36	0	0	0	9	10	20	0	0	50	0.2
17	PEACE ST	0	0	0	0	0	0	0	0	0	0	0	36	0	36	0	0	0	8	10	0	0	0	0	0.2
17	PEONIE ST	0	70	6	10	300	50	0	110	20	0	0	36	0	36	0	0	0	9	20	20	0	0	50	0.2
17	WHALEY WAY	0	0	0	3	0	0	0	50	5	0	0	12	0	12	0	0	0	0	0	0	0	0	0	0
	Total	25	565	57	86	1650	350	200	1100	190	128	24	288	4650	288	4650	24	120	85	175	80	80	25	400	1.83

* Austin Av - Start at bridge and pave to end.

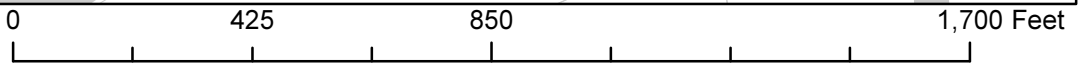
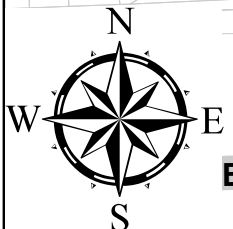
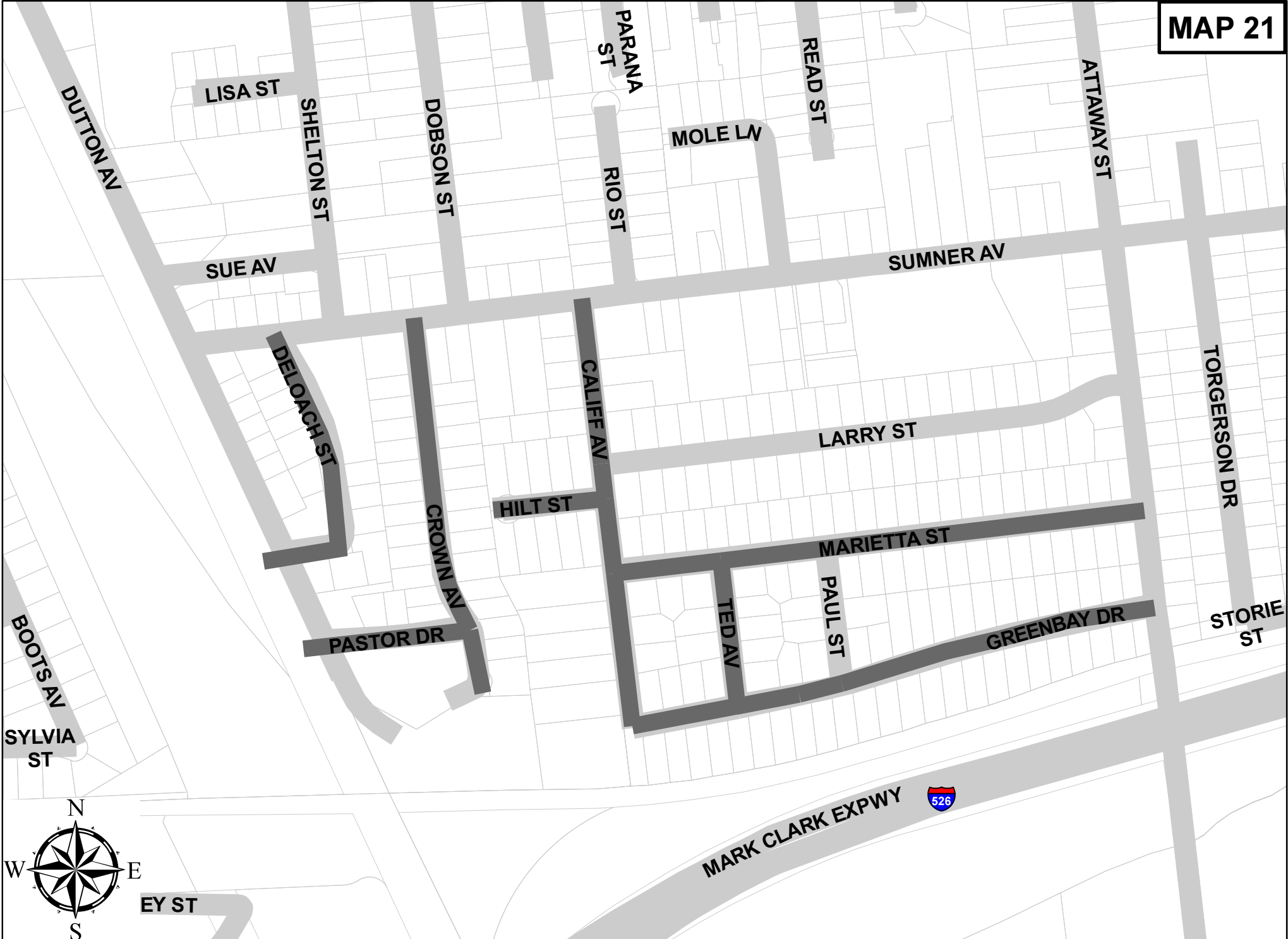


MAP 19

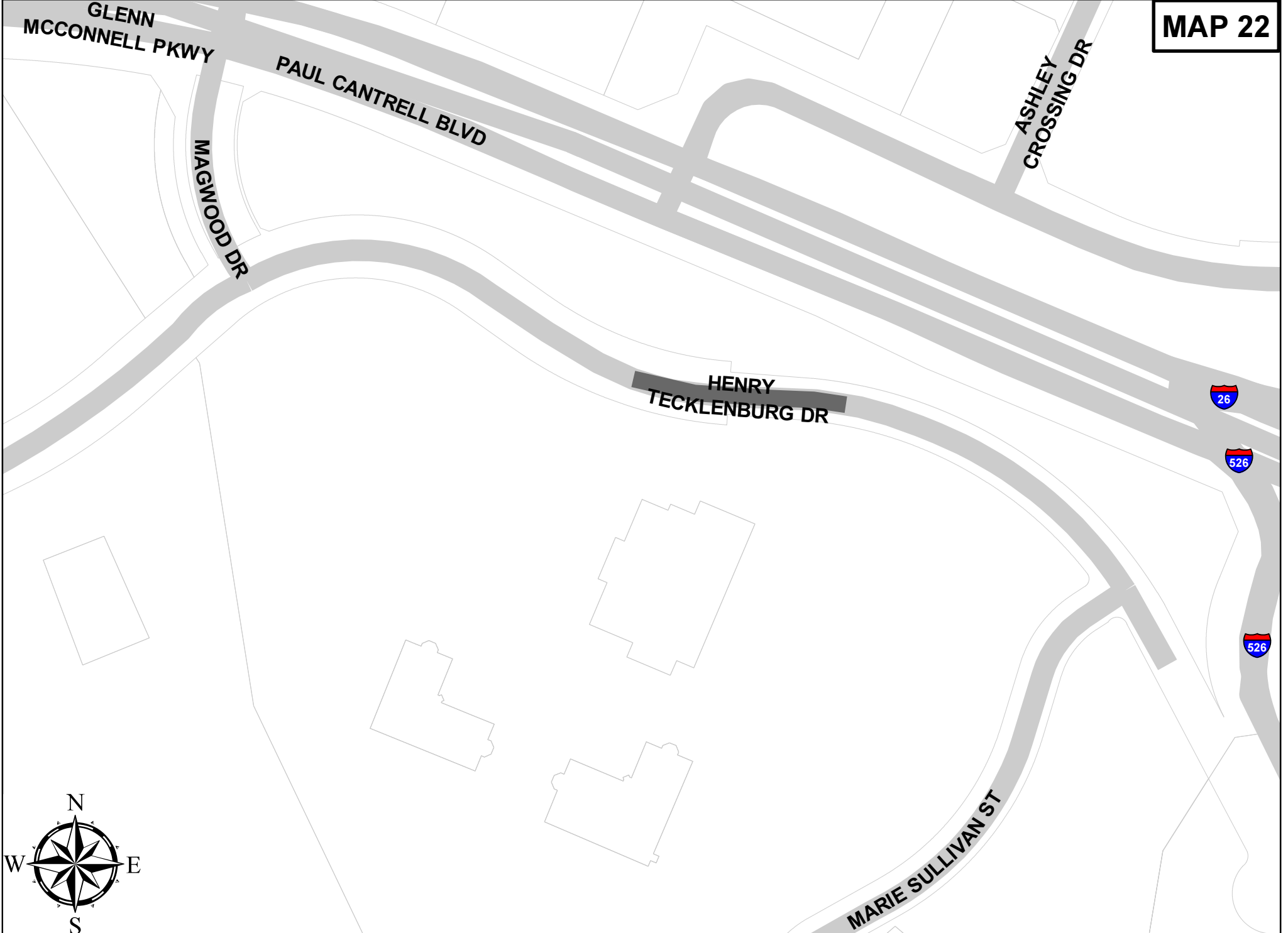




MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2024100 REMOVAL & DISPOSAL OF EXISTING CONCRETE GUTTER *	2027000 REMOVAL & DISPOSAL OF EXISTING CONCRETE SIDEWALK *	2033000 BORROW EXCAVATION (FOR SHOULDERS) *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4"" UNIFORM"	4012040D FULL DEPTH ASPH_PAV_PATCHING FOR DRIVES 4" UNIFORM	4013155 VARIABLE EDGE MILLING 1_5"	4013990 "VARIABLE MILLING EXISTING ASPHALT PAVEMENT FOR KEY-INS	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	6241015 8" WHITE SOLID LINES PERM_PVMT_MARKINGS	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250015 "8"" WHITE SOLID LINES (CROSSWALK & CHANNELIZATION) FAS	6250025 "24"" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	6301100 "PERMANENT YELLOW PAVEMENT MARKER BI- DIR_ - 4""	7203210 CONCRETE CURB AND GUTTER 2'0"	7204100 CONCRETE SIDEWALK (4-IN UNIFORM)*	7204900 DETECTABLE WARNING SURFACE (Cast in place where applica	7205000 "CONCRETE DRIVEWAY (6"" UNIFORM)"	8100001 PERMANENT VEGETATION	
20	LILAC AV	0	0	30	9	15	150	20	0	50	190	67	50	24	50	24	0	0	30	0	0	0	0.33
20	ORCHID AV	75	20	0	27	40	100	0	1760	0	630	30	0	12	0	12	0	20	0	0	75	1	
20	PRIMROSE AV	0	0	10	18	21	100	20	0	100	260	83	100	48	100	48	0	0	10	0	0	0.67	
20	SPUR ST	100	0	10	22	23	500	20	0	125	300	79	50	60	50	60	10	10	0	20	100	0.8	
20	VIOLET AV	0	0	0	13	17	200	0	0	50	190	97	50	24	50	24	0	0	0	0	0	0.5	
20	WHITNEY DR	0	0	0	9	13	125	60	0	125	160	61	0	12	0	12	0	0	0	0	0	0.3	
	Total	175	20	50	98	129	1175	120	1760	450	1730	417	250	180	250	180	10	30	40	20	175	3.6	



MapNumber	Route	2023000 REMOVAL & DISPOSAL OF EXISTING PAVEMENT (CONCRETE DRIVE	2033000 BORROW EXCAVATION (FOR SHOULDERS) *	4011004 LIQUID ASPHALT BINDER PG 64-22	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4" UNIFORM"	4012040D FULL DEPTH ASPH_PAV_PATCHING FOR DRIVES 4" UNIFORM	4113340 WARM MIX ASPHALT SURFACE COURSE TYPE C	4113340D WARM MIX ASPHALT SURFACE COURSE TYPE C FOR DRIVES & I	4113360 WARM MIX ASPHALT SURFACE COURSE TYPE E	6241025 24" WHITE SOLID LINES (STOP/DIAG LINES)- PERM_PVMT_MARKI	6250025 "24" WHITE SOLID LINES (STOP/DIAGONAL LINES) - FAST DR	6301100 "PERMANENT YELLOW PAVEMENT MARKER BI- DIR_ - 4"	7197130 ADJUST DROP INLET	7205000 "CONCRETE DRIVEWAY (6" UNIFORM)"	8100001 PERMANENT VEGETATION
21	CALIFF AV	0	16	15	50	90	205	40	0	12	12	17	0	0	0.67
21	CROWN AV	0	15	16	100	225	180	80	0	14	14	16	0	0	0.53
21	DELOACH ST	0	11	14	250	30	136	100	0	26	26	12	0	0	0.4
21	GREENBAY DR	25	24	23	50	30	280	100	0	26	26	21	2	25	0.87
21	HILT ST	0	5	4	50	0	48	26	0	12	12	6	0	0	0.17
21	MARIETTA ST	25	23	22	50	30	255	88	20	24	24	21	2	25	0.9
21	PASTOR DR	0	6	7	0	0	75	49	0	24	24	7	0	0	0.23
21	TED AV	25	5	6	110	30	76	22	0	24	24	7	0	25	0.2
	Total	75	105	107	660	435	1255	505	20	162	162	107	4	75	3.97



GLENN
MCCONNELL PKWY

PAUL CANTRELL BLVD

MAGWOOD DR

ASHLEY
CROSSING DR

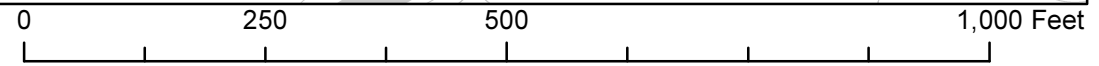
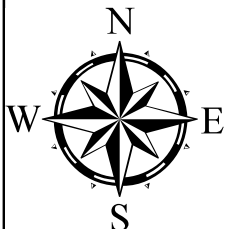
HENRY
TECKLENBURG DR

26

526

526

MARIE SULLIVAN ST



MapNumber	Route	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4" UNIFORM"
22	HENRY TECKLEBURG DR	45
	Total	45



MapNumber	Route	4012040 "FULL DEPTH ASPH_PAV_PATCHING 4" UNIFORM"	4013200 "MILLING EXISTING ASPHALT PAVEMENT 2" "
23	PALMETTO COMMERCE PKWY	45	45
	Total	45	45

Bur Clare & Rainbow Speed Hump Proposal



Three (3) - Flat-Topped Speed Humps Placed at 515' Intervals (approximately) on Rainbow Road

Three (3) - Flat-Topped Speed Humps Placed at 515' Intervals (approximately) on Bur Clare Road

