

515 N. Main Street | Hinesville, GA 31313 PO Box 649 | Hinesville, GA 31310 912.368.5212 www.mesack.com ME Sack Engineering @mesackengineering mesack

ADDENDUM No. FOUR

Date:	June 20	. 2024
Date		,

Project: Flemington Road Improvements, MES No. 2023-80

Engineer: M.E. Sack Engineering More Hinesville, Georgia

The original plans, specifications, and bid documents are amended to include the following:

Plan Set:

 Replace the entire plan set with enclosed of the same. Note the Engineer has decided to clip sections of the Cement Stabilized Reclaimed Base (CSRB) where existing elevations must be met and a taper of the CSRB is needed to tie in. The Engineer updated plan sheet C300 to reflect an additional detail for a concrete driveway section, and has added sheet C301 with GDOT details T-19 and T-25.

Bid Form:

 Replace the previous Bid Form with the enclosed of the same. Note 10" Granular Roadway Base has been removed, and line items have been added for CSRB Clipping, CSRB Clipping Backfill, Feather Asphalt Paving at Intersections, and Concrete Driveway Removal and Replacement.

Technical Specifications:

 Replace the previous Section 01150 – Measurement and Payment with the enclosed of the same. Note Granular Roadway base was removed and sections have been added for CSRB Clipping, Trench Backfill with CSRB Clippings, and Concrete Driveway Replacement. The following clarifications are offered for questions received:

- 1. On Wallace Martin Rd only, the existing asphalt ties directly to C&G on the 84 end, sidewalk on the Joseph Martin end, and along the sidewalk for the entire length of the road on the west side. Is the intention to leave the asphalt 4" higher at these tie-ins?
 - Please see plan sheets C101-C205 for direction on new asphalt elevations. We have decided to clip sections of Wallace Martin Drive in order to have proposed elevations as close to existing elevations as possible where we will encounter curb and gutter, driveways, etc.

At tie-in points on both ends of Old Sunbury Road and the west end of Joseph Martin Road, we have provided taper sections to smoothly match existing grades as we build the new asphalt surface. It will be required to feather out asphalt to match existing intersections. We have also added a line item for concrete driveway removal and replacement for driveways along Joseph Martin Road and Old Sunbury Road that will need adjustments.

-END-



. BID FORM

Bid Item	Quantity	Units	Description	Unit Price	Cost
1	35	SY	Concrete Pavement Removal	\$	\$
2	1	LS	Shoulder Scraping & Grubbing	-	\$
3	36,165	SY	Full-Depth Roadway Reclamation	\$	\$
4	1,400	TN	Recycling Agent (Stabilization) for Base Course (Cement)	\$	\$
5	6,155	SY	CSRB Clipping (3" – 4" Depth)	\$	\$
6	12	CY	CSRB Clipping Backfill	\$	\$
7	36,200	SY	1.5" Open Graded Crack Relief Interlayer	\$	\$
8	36,200	SY	2.5" 9.5mm Asphalt Paving	\$	\$
9	1	LS	Feather Asphalt Paving @ Intersections	-	\$
10	400	SY	Concrete Driveway Remove/Replace	\$	\$
11	4	EA	Adjust Manhole Top	\$	\$
12	15	SY	Concrete Valley Gutter	\$	\$
13	1	LS	Shoulder Fill & Grading	-	\$
14	1	LS	Shoulder Grassing	-	\$
15	11	LF	24" Thermoplastic Stop Bar	\$	\$
16	280	LF	8" Thermoplastic Crosswalk Striping	\$	\$
17	635	LF	4" Thermoplastic Solid White Line Striping	\$	\$
18	270	LF	5" Thermoplastic Double Solid Yellow Line Striping	\$	\$
19	24	LF	24" Paint & Bead Stop Bar	\$	\$
20	25,465	LF	4" Paint & Bead Solid White Line Striping	\$	\$
21	6,330	LF	5" Paint & Bead Double Solid Yellow Line Striping	\$	\$
22	1,240	LF	5" Paint & Bead Dashed Yellow Line Striping	\$	\$
23	4,100	LF	5" Paint & Bead Dashed/Solid Yellow Line Striping	\$	\$
24	20,150	LF	Rumble Strips on 4" White Striping	\$	\$
25	3	EA	Transverse Rumble Strips before Stop Sign	\$	\$
26	318	EA	Raised Pavement Markers	\$	\$
27	1	LS	Traffic Control	-	\$
28	1	LS	Mobilization (5% Max)	-	\$
				SUBTOTAL	\$
				TOTAL BID	\$

SECTION 01150 MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 QUANTITIES

- A. Quantities: Quantities listed in the Proposal are approximate only and are intended to serve as a guide in comparing bids, and may be increased or decreased without invalidating the unit price bid.
- B. Payment: Contractor shall be paid for actual in place quantities as determined by the Engineer field measurements.
- C. Discrepancies: In case of discrepancies between the figures shown in the unit prices and totals, the unit prices shall apply and the totals shall be corrected to agree with the unit price.

PART 2 - MEASUREMENT AND PAYMENT

2.01 CONCRETE PAVEMENT REMOVAL

- A. Measurement: Measurement shall be made on the basis of the number of square yards of graded aggregate base applied to the roadway at the specified thickness as shown on the construction plans. Irregular areas such as turnouts, filler strips, and intersections will be measured to the closest square yard.
- B. Payment: Payment will be made on the basis of the number of square yards of granular crusher run (graded aggregated) base at the specified thickness applied to the roadway at the unit price state in the bid. The price shall include all labor, equipment, and material to complete the task. The task shall include, but not be limited to, furnishing, hauling, placing and compaction of the crusher run base in order to bring the base to the lines, grades, and cross sections shown of the construction plans or established by the Engineer.

2.02 SHOULDER SCRAPING & GRUBBING

- A. Measurement: Measurement shall be made on the basis of the percentage complete of the task in accordance with the plans and specifications.
- B. Payment: Payment will be made at the lump sum stated in the bid. The price bid shall include furnishing all labor, materials, and equipment necessary to complete this item. Work shall include, but is not limited to, removal of all trees, shrubs, grass, soil, sand, and undergrowth that presently exist along the shoulder, preventing the construction of this project. All material removed including vegetation, roots and organic mat shall be removed from the site and disposed of at a permitted site. The contractor shall take special care not to disturb the roots of trees that are marked to remain. Trees to be saved shall be marked and approved by the engineer prior. Trees to be saved shall have the appropriate tree protection installed.

2.03 FULL-DEPTH ROADWAY RECLAMATION

- A. Measurement: Measurement shall be made on the basis of each square yard of pavement to undergo full-depth reclamation and each ton of Portland Cement to be added to the mix in accordance with the plans, specifications, and bid documents. Refer to Section 315.4 of GDOT specification 315 for measurement of Cement Stabilized Reclaimed Base and Portland Cement. Contractor shall provide the engineer with weight tickets for each load of cement additive that is used.
- B. Payment: Payment will be made on the basis of the unit price stated in the bid. The unit price shall include furnishing all labor, materials, and equipment necessary to complete this item of work. Work shall in include, but not be limited to, pulverization of roadway and base material, addition of chemical stabilizers, compaction of new base mix, and curing of mix. Refer to Section 315.5 of GDOT specification 315 for payment of Cement Stabilized Reclaimed Base and Portland Cement.

2.04 CEMENT STABILIZED RECLAIMED BASE CLIPPING

- A. Measurement: Measurement will be made on the basis of the number of square yards of CSRB clipping as described in this section and/or in accordance with the construction plans and specifications. Irregular areas, such as taper sections between varying depths of clipping, will be measured to the square yard. All areas to be approved by the Engineer prior to clipping.
- B. Payment: Payment shall be made on the basis of the number of square yards of CSRB clipping completed at the unit price stated in the bid. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, clipping, allocation of backfill material, removal, traffic control, surface cleanup, and restoration.

2.05 TRENCH BACKFILL WITH CSRB CLIPPINGS

- A. Measurement: Measurement shall be made on the basis of the number of cubic yards of backfill material needed to replace excavated concrete pavement sections in accordance with the plans and specifications.
- B. Payment: Payment shall be made on the basis of the number of cubic yards needed to replace excavated concrete pavement sections at the unit price stated in the bid. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, transportation, installation, compaction of backfill material in accordance with construction plans, surface restoration, and cleanup

2.06 ASPHALT PAVING OVERLAY/CRACK PROOF INTERLAYER

- A. Measurement: Measurement will be made on the basis of each square yard of asphalt in place, in accordance with the plans and specifications and accepted by the Engineer.
- B. Payment: Payment will be made on the basis of the number of square yards of asphalt in place, in accordance with the unit price bid as stated in contract. Work shall include, but is not limited to, the furnishing, hauling, placing, and compaction of the asphalt and aggregate in order to bring the pavement to the lines, grades and cross sections as designated on the construction plans. The unit price shall also include all surface

cleaning, prime, tack, and pavement markings. All striping shall be in accordance with the current MUTCD and local specifications.

2.07 CONCRETE PAVEMENT REPLACEMENT (DRIVEWAYS)

- A. Measurement: Measurement shall be made on the basis of each square yard of concrete in place, in accordance with the plans and specifications and accepted by the Engineer.
- B. Payment: Payment will be made on the basis of the number of square yards of concrete in place, in accordance with the unit price bid, as stated in contract. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. Work shall include, but is not limited to the furnishing, hauling, placing, and compaction of the asphalt and aggregate in order to bring the pavement to the lines, grades, and cross sections as designated on the construction plans

2.08 ADJUSTING TO GRADE OF MISCELLANEOUS ROADWAY STRUCTURES

- A. Measurement: Measurement will be made on the basis of adjusting each structure to grade, to determine the unit or units of each type completed and accepted, in accordance with the plans and specifications and accepted by the engineer. Structure tops to be raised or lowered 2 ft. (600 mm) or less are considered "Adjust to Grade."
- B. Payment: Payment will be made on the basis of each structure adjusted to grade. The unit price bid shall include all labor, materials and equipment necessary, including, but not limited to, excavation, shoring and sheeting, dewatering, gravel bedding, castings, backfill, compaction and complete surface restoration. Payment is full compensation for adjusting to grade the structures as specified in this Specification.

2.09 CURB AND GUTTER, VALLEY GUTTER, AND CONCRETE BANDS

- A. Measurement: Measurement will be made on the basis of each linear foot of curb and gutter installed to the lines and grades shown on the plan. The size of the curb and gutter will be shown on the plans and indicated on the bid documents.
- B. Payment: Payment shall be made on the basis of the unit price stated in the bid. The price bid shall include all materials, labor, and equipment necessary to complete the work. Work shall include, but is not limited to, all excavation, forming, grade staking, compaction, curb and gutter installation, dewatering, form wrecking, cleanup, and surface restoration

2.10 SHOULDER FILL & GRADING

- A. Measurement: Measurement shall be made on the basis of the percentage complete of the lump sum bid in accordance with the construction plans and bid items.
- B. Payment: Payment shall be made on the basis of the percentage complete of the lump sum price stated in the bid as determined by the project engineer. The unit price shall include, but is not limited to, furnishing all labor, materials, and equipment necessary for the grading of new shoulders to match the final pavement elevation and tie to the existing grade in order to drain towards the roadside ditches, in accordance with plans and specifications. Work shall include, but not be limited to, furnishing all materials, leveling, compacting, and surface restoration.

2.11 GRASSING

- A. Measurement: Measurement shall be made on the basis of the completed item in accordance with the construction plans and bid items.
- B. Payment: Payment will be made in accordance with the price stated in the bid. The unit price shall include, but is not limited to, furnishing all labor, materials, and equipment necessary for the satisfactory growth of grass on all disturbed areas in accordance with plans and specifications. Work shall include, but not be limited to, furnishing all materials, fertilizer, soil samples, grass seed, raking, leveling, watering, maintenance, and final surface restoration. Final payment will not occur until permanent grass is established.

2.12 THERMOPLASTIC PAVEMENT MARKING

- A. Measurement: Measurement shall be made on the basis of each linear foot of pavement markings in place in accordance with the plans and specifications.
- B. Payment: Payment shall be made at the linear footage stated in the bid. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, supplying and installing all thermoplastic pavement markings to replace existing in accordance with construction plans, surface restoration, and cleanup.

2.13 PAINT AND BEAD PAVEMENT MARKING

- A. Measurement: Measurement shall be made on the basis of each linear foot of pavement markings in place in accordance with the plans and specifications.
- B. Payment: Payment shall be made at the linear footage stated in the bid. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, supplying and installing all paint and bead pavement markings to replace existing in accordance with construction plans, surface restoration, and cleanup.

2.14 RUMBLE STRIPS ON SHOULDER

- A. Measurement: Measurement shall be made on the basis of each linear foot of rumble strips in place in accordance with the plans and specifications.
- B. Payment: Payment shall be made at the linear footage stated in the bid. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, installing all rumble strips to replace existing in accordance with construction plans, surface restoration, and cleanup.

2.15 TRANSVERSE RUMBLE STRIPS BEFORE STOP SIGN

- A. Measurement: Measurement shall be made on the basis of each transverse rumble strip in place in accordance with the plans and specifications.
- B. Payment: Payment shall be made at the unit price stated in the bid. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. The

task shall include, but is not limited to, installing all rumble strips to replace existing in accordance with construction plans, surface restoration, and cleanup.

2.16 RAISED PAVEMENT MARKERS

- A. Measurement: Measurement shall be made on the basis of each linear foot of raised pavement markers in place in accordance with the plans and specifications.
- B. Payment: Payment shall be made at the linear footage stated in the bid. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, installing all raised pavement markers in accordance with construction plans, surface restoration, and cleanup

2.17 TRAFFIC CONTROL

- A. Measurement: Measurement shall be made on the basis of the percentage complete of the lump sum bid in accordance with the construction plans and bid items.
- B. Payment: Payment shall be made on the basis of the percentage complete of the lump sum price stated in the bid as determined by the project engineer. The lump sum shall include furnishing all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, the placing, moving, and maintenance of all signage, barricades, cones, barrels, flagging, flag men, and guide vehicles throughout the construction process to safely reroute traffic from existing traffic patterns. Traffic control shall be done in a manner to safely warn, reroute, and lead vehicles to their destination. Additional signage will be required if the engineer deems that the traffic control in place does not fully meet the required intent of the task. Changing of existing traffic patterns shall be communicated with the engineer no less than 48 hours prior to.

2.18 MOBILIZATION

A. Payment will be made for the price as stated in the Contract once the Contractor has established his construction yard, and met the requirements established in the Contract Documents. Mobilization will be recognized complete once the Contractor has provided a construction schedule and moved his equipment and a substantial amount of material to the job site. Construction must be underway and progressing. Payment for mobilization will be limited to a maximum amount not to exceed 5% of the bid price.

END OF SECTION

FLEMINGTON ROAD IMPROVEMENTS FOR CITY OF FLEMINGTON LIBERTY COUNTY, GEORGIA DATE: OCTOBER 23, 2023



- 1. WALLACE MARTIN DEMOLITION PLAN
- JOSEPH MARTIN DEMOLITION PLAN
 OLD SUNBURY DEMOLITION PLAN
- 4. WALLACE MARTIN SITE PLAN
- JOSEPH MARTIN SITE PLAN
 OLD SUNBURY SITE PLAN
- 7. DETAILS

SHEET C101-102 SHEET C103 SHEET C104-105 SHEET C201-202 SHEET C203 SHEET C204-205 SHEET C300-301

EXISTING

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<u>SHEET</u>

DRAW	DRAWING LEGEND		
DESCRIPTION	PROPOSED		
SANITARY SEWER			
UNDERGROUND WATER LINE	w	_	
FORCE MAIN	FM		
STORM DRAINAGE PIPE		=	
UNDERGROUND TELEPHONE LINE	т		
UNDERGROUND TELEPHONE CONDUIT	тс	_	
UNDERGROUND GAS LINE	12"G	_	
DITCH CENTERLINE	· · · ·		
SPOT ELEVATION	X=90.00		
TOP OF CURB ELEVATION	TC=90.00		
FIRE HYDRANT	×		
SEWER MANHOLE	S		
WATER VALVE	wv M		
TELEPHONE MANHOLE			

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LIGHT POLE

WATER METER

BENCHMARK

GUY POLE

IRON PIN FOUND

TELEPHONE PEDESTAL

IRON PIN SET

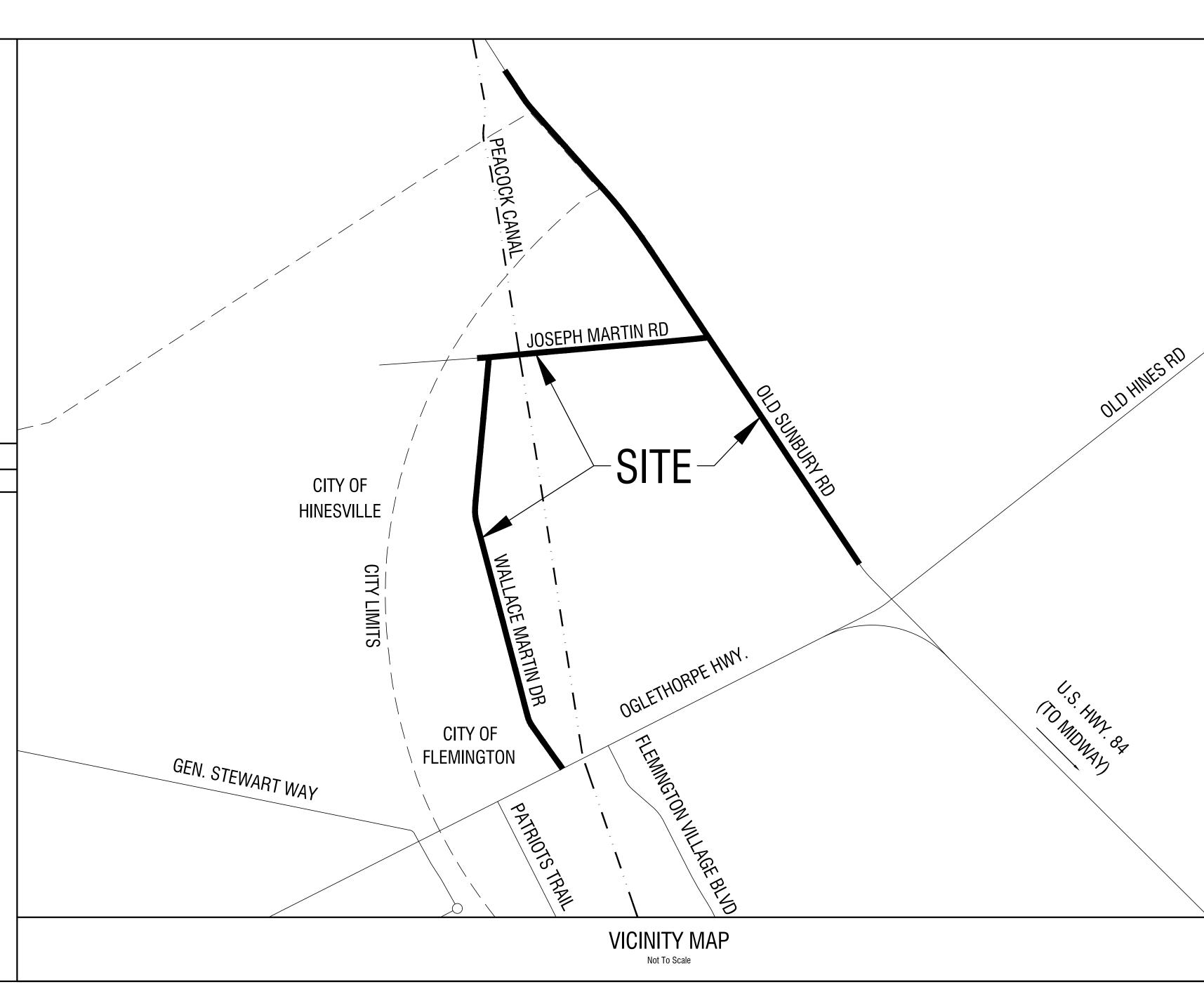
POWER POLE

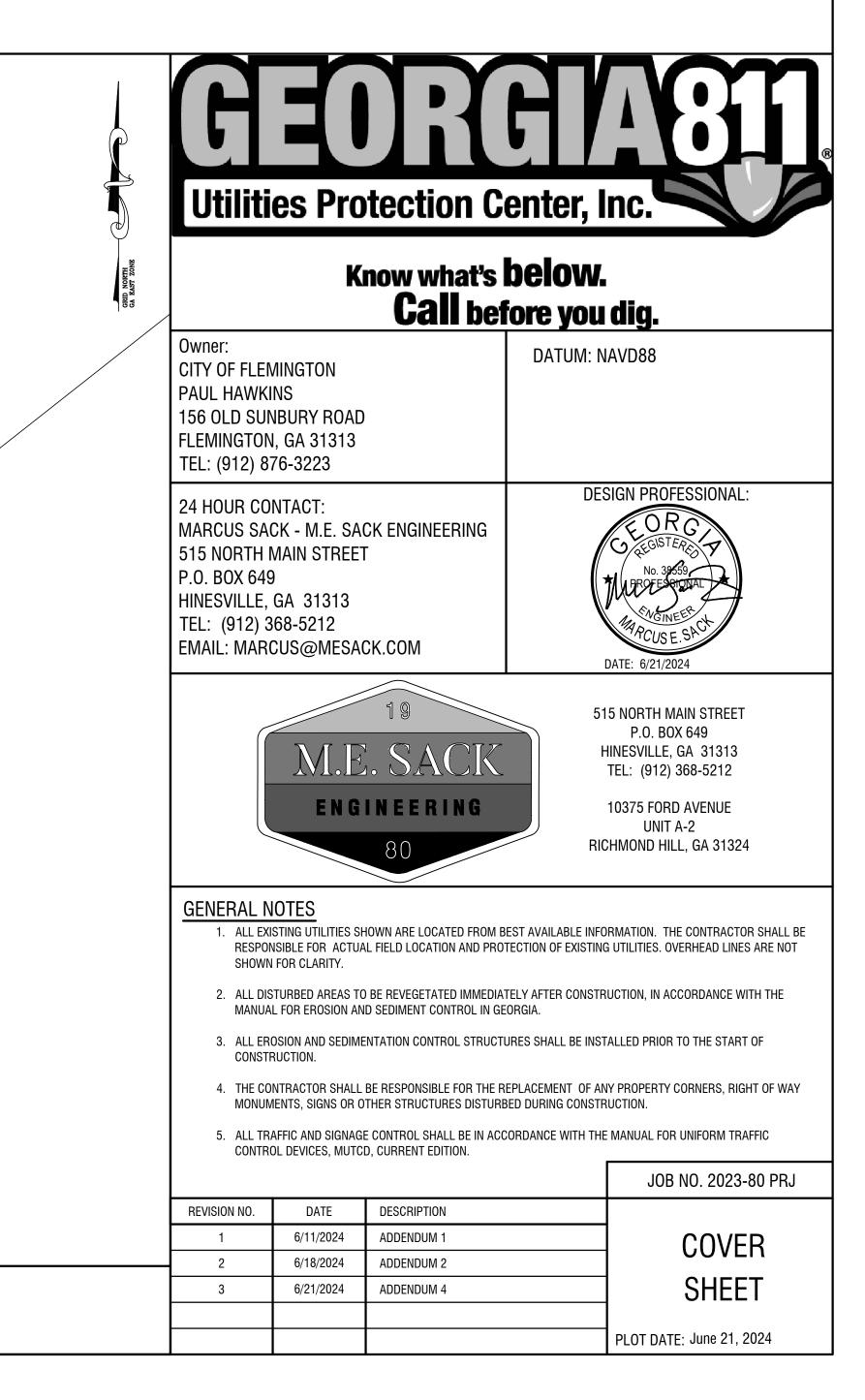
HANDICAP SPACE

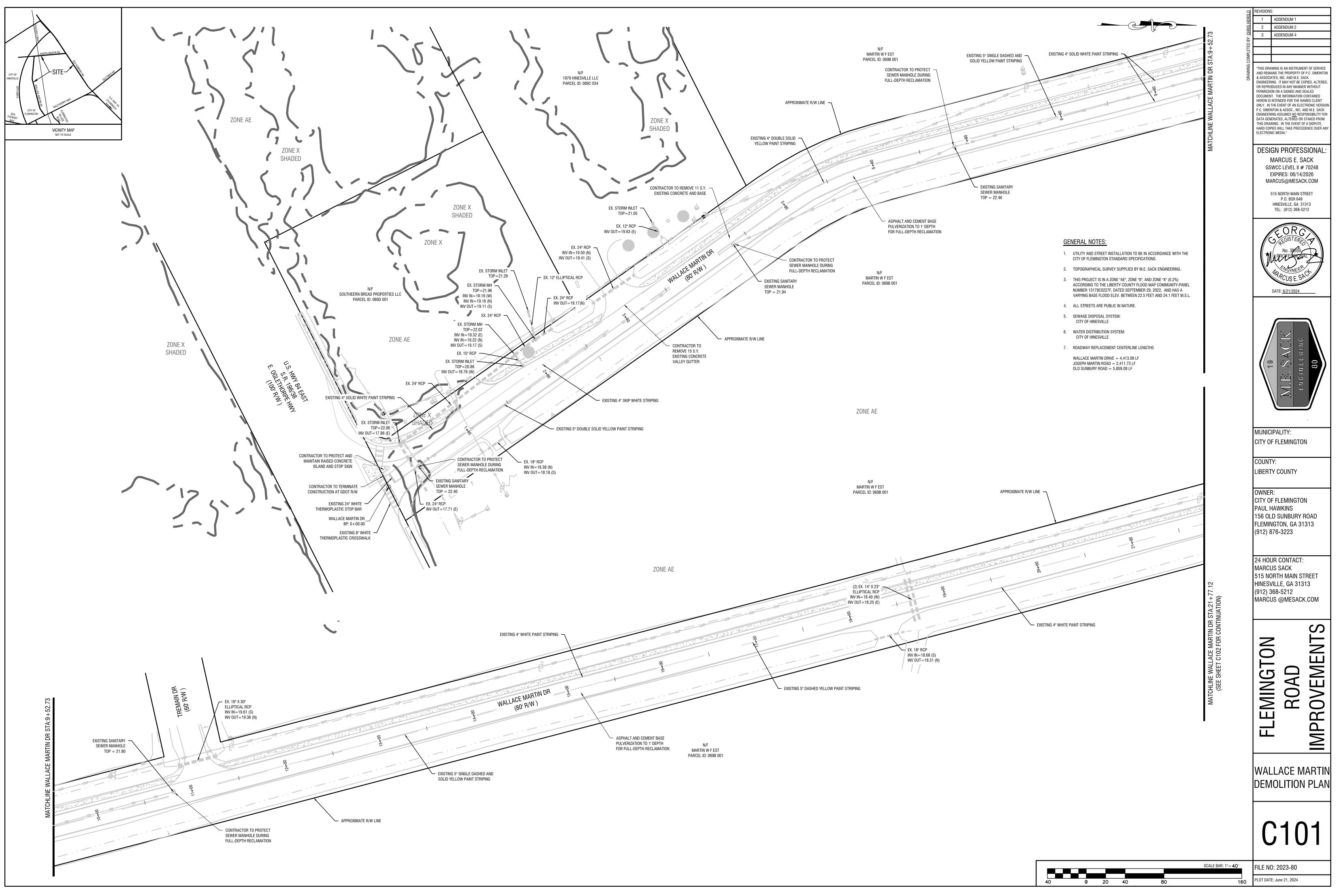
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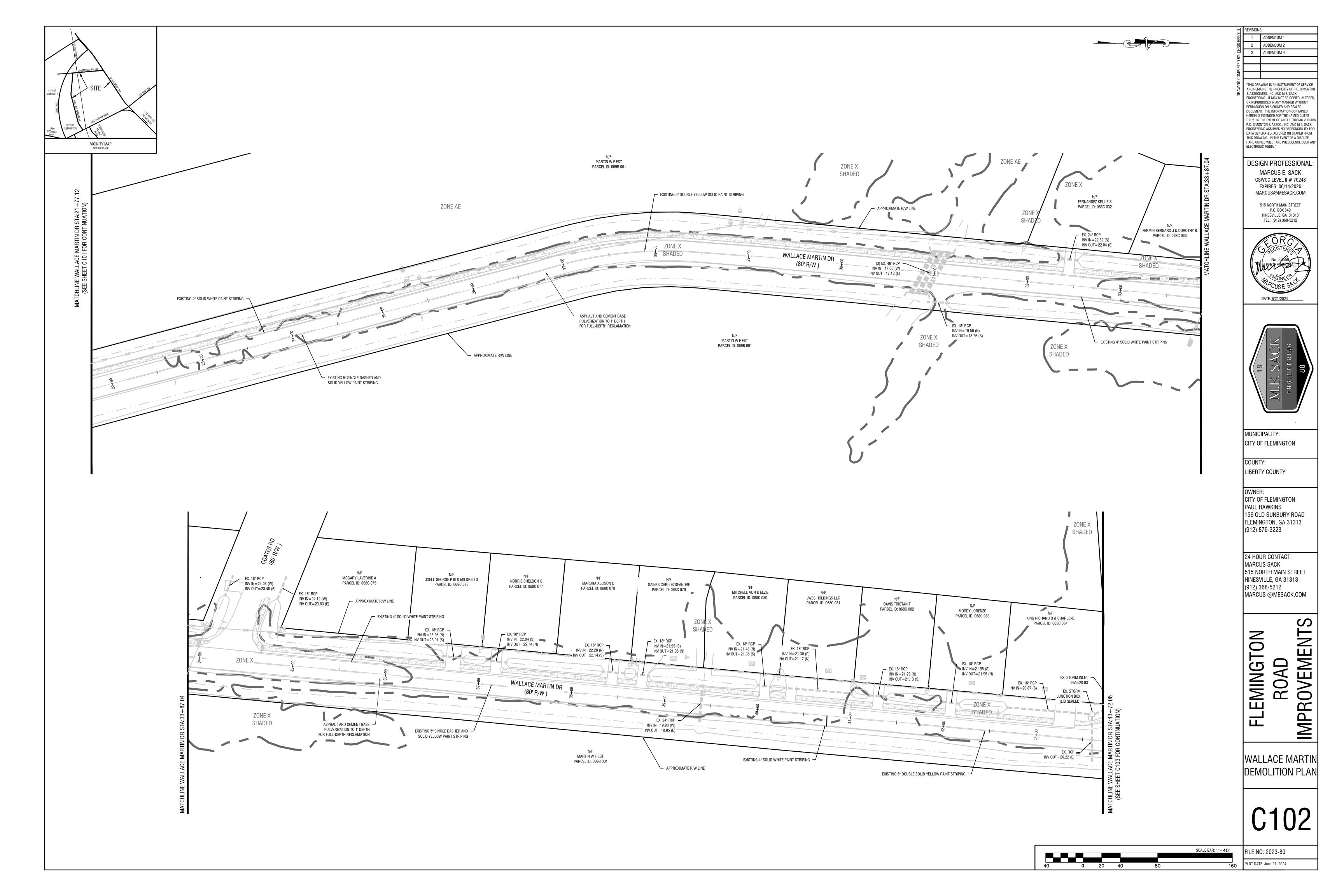
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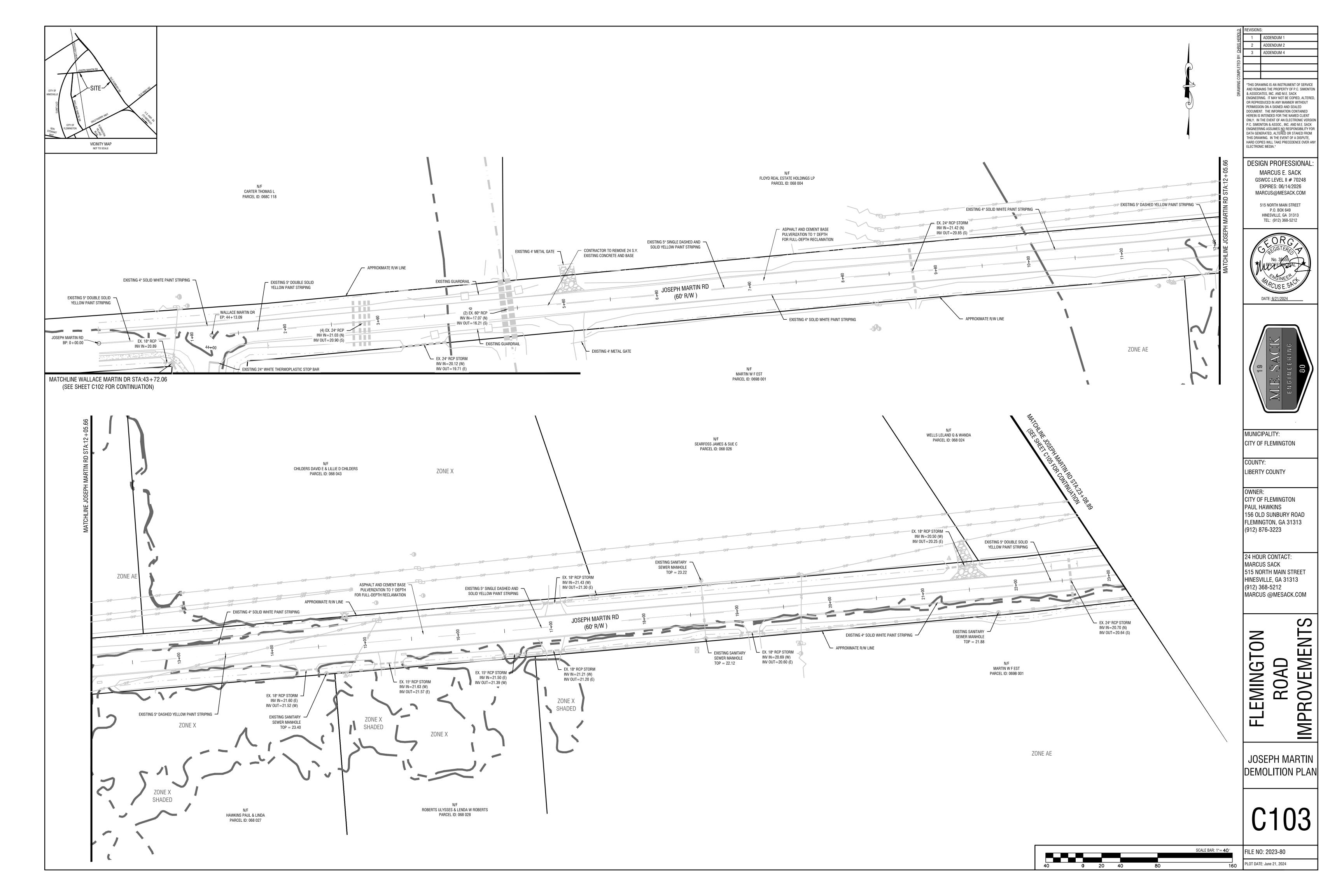
SIGN

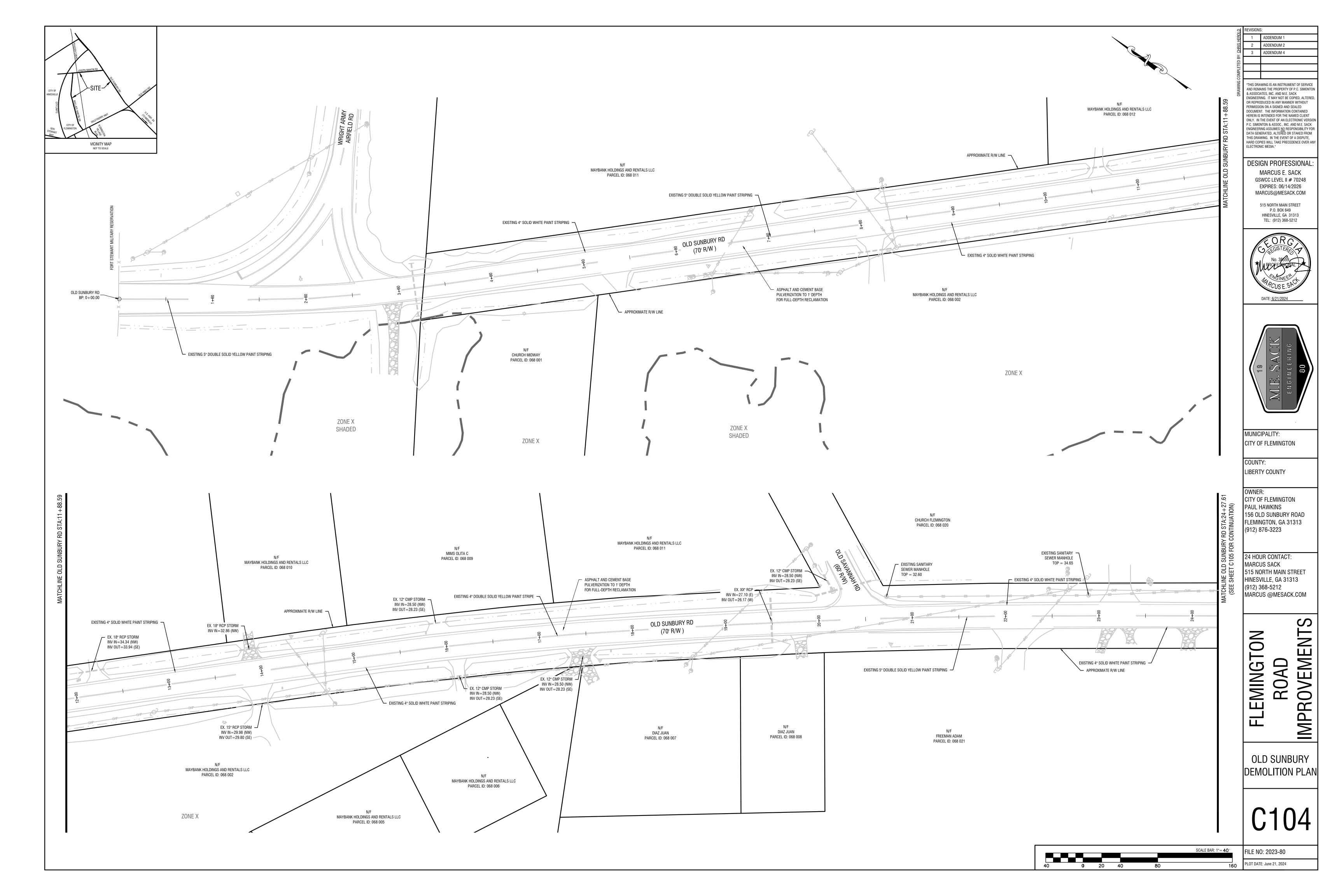


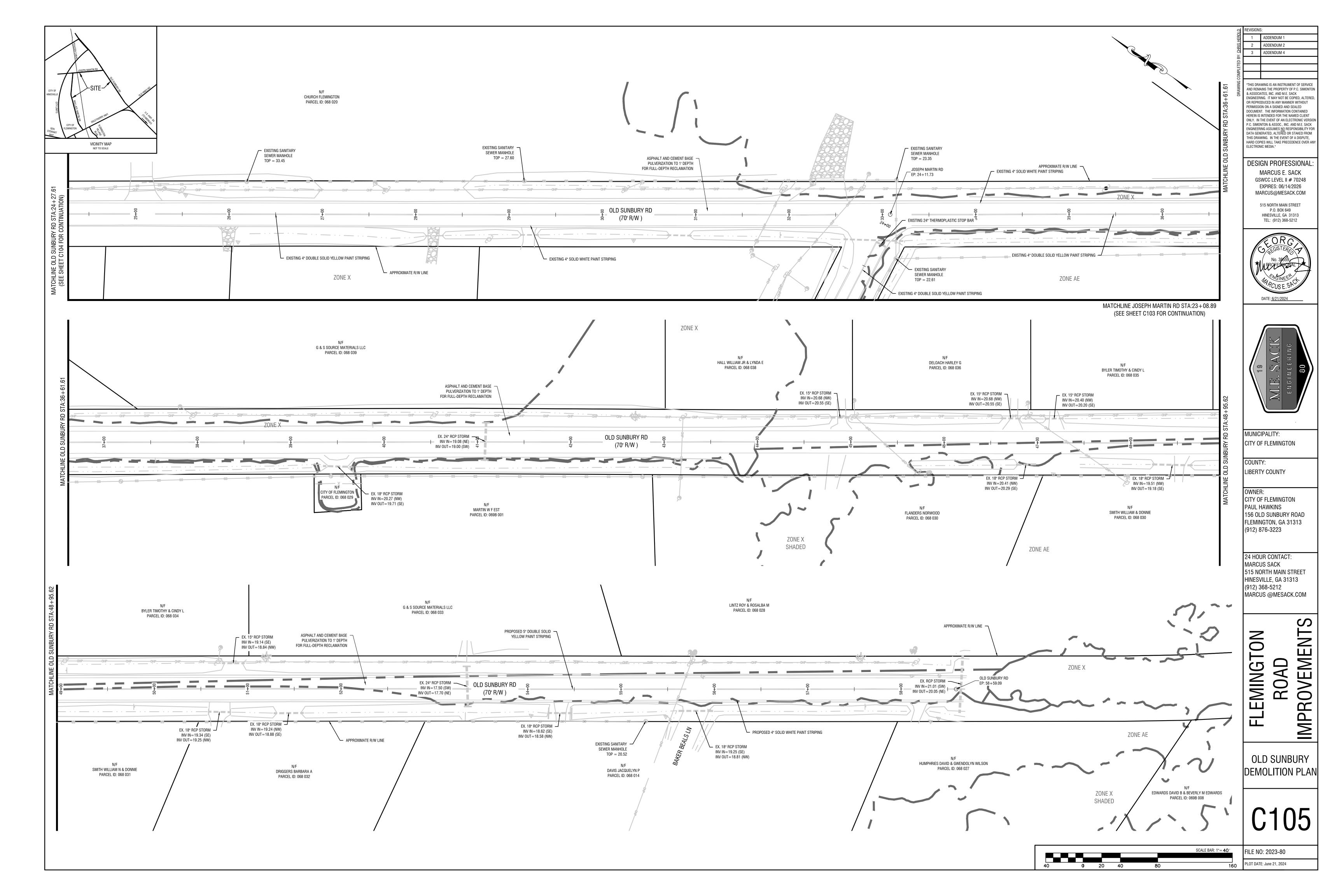


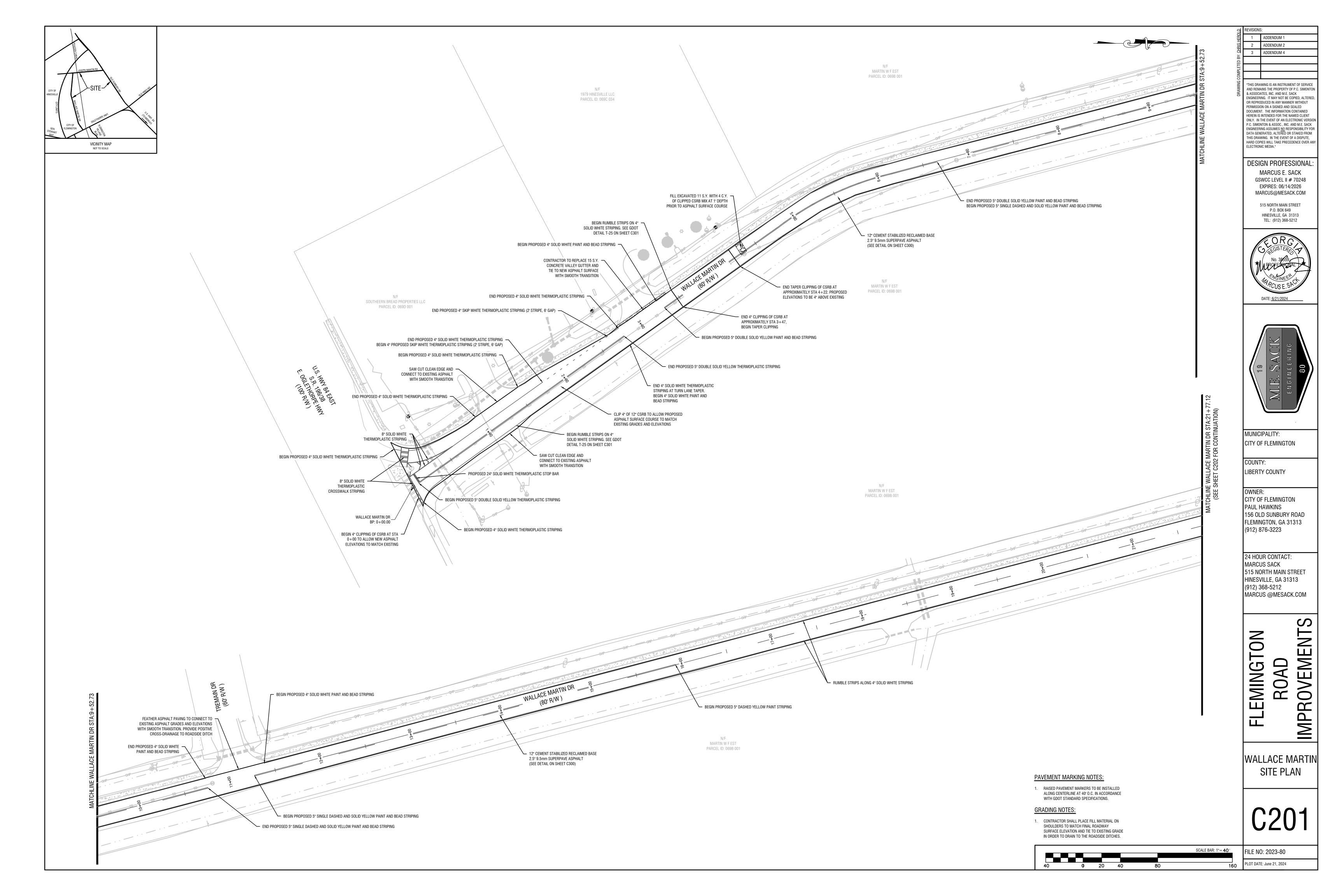


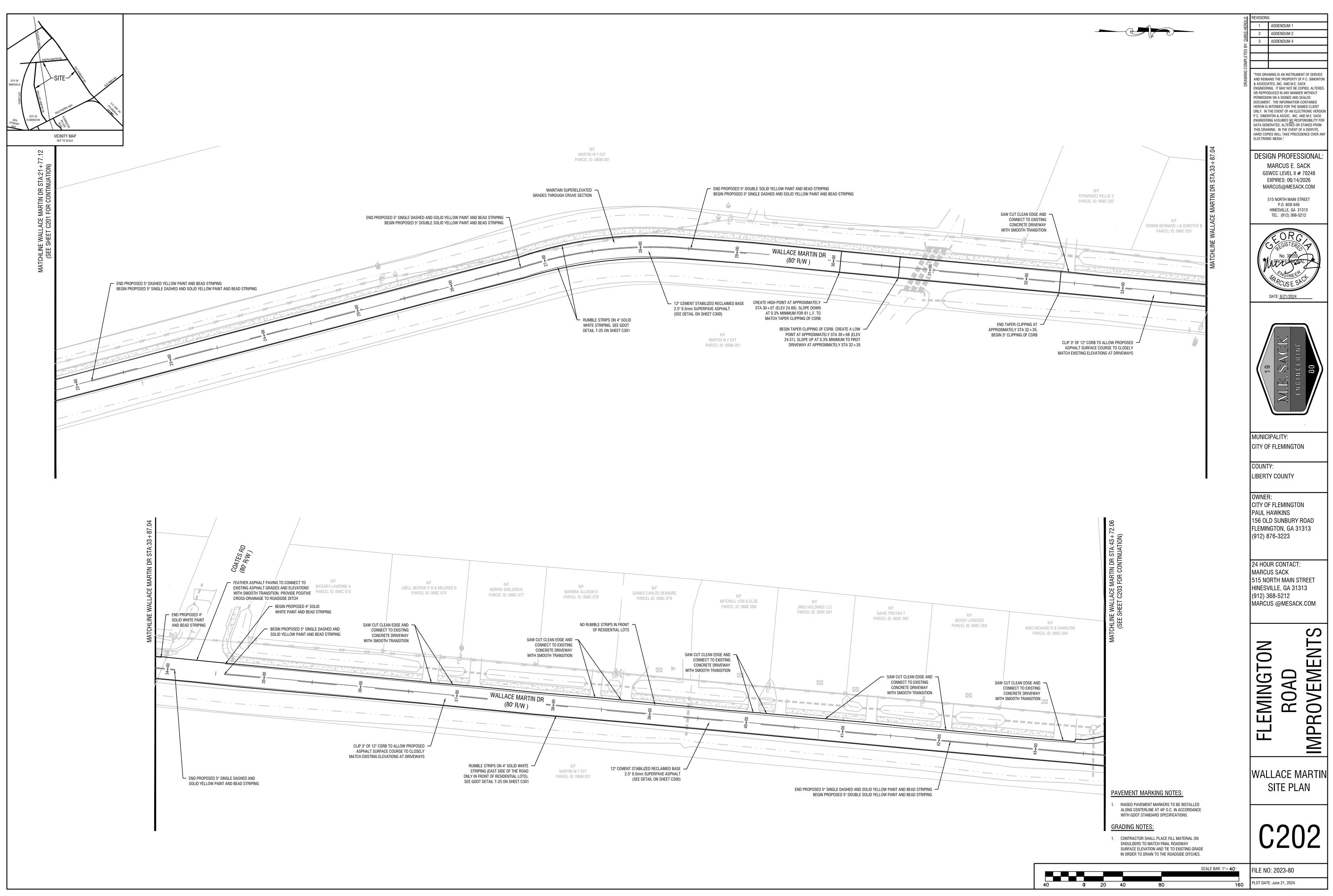


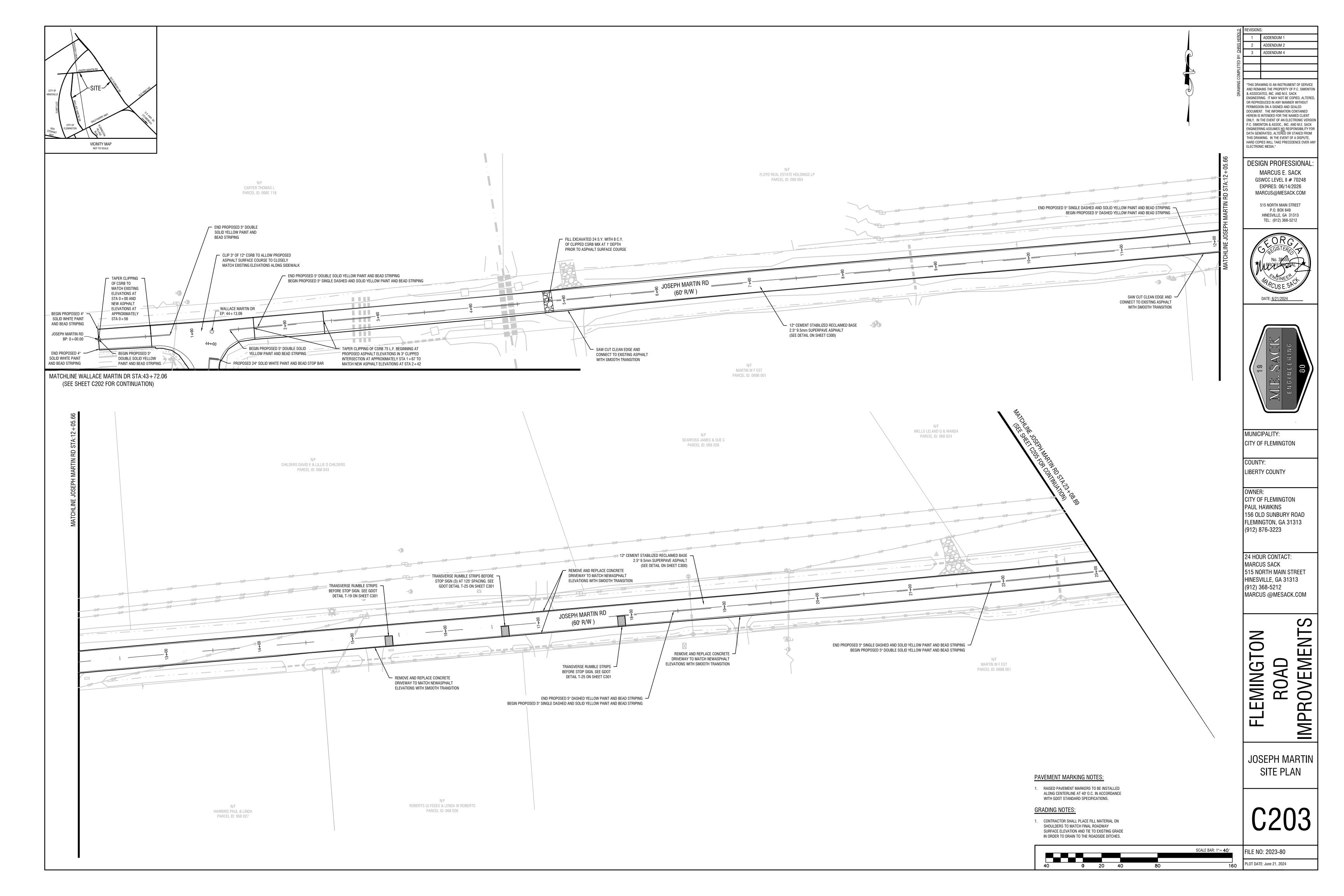


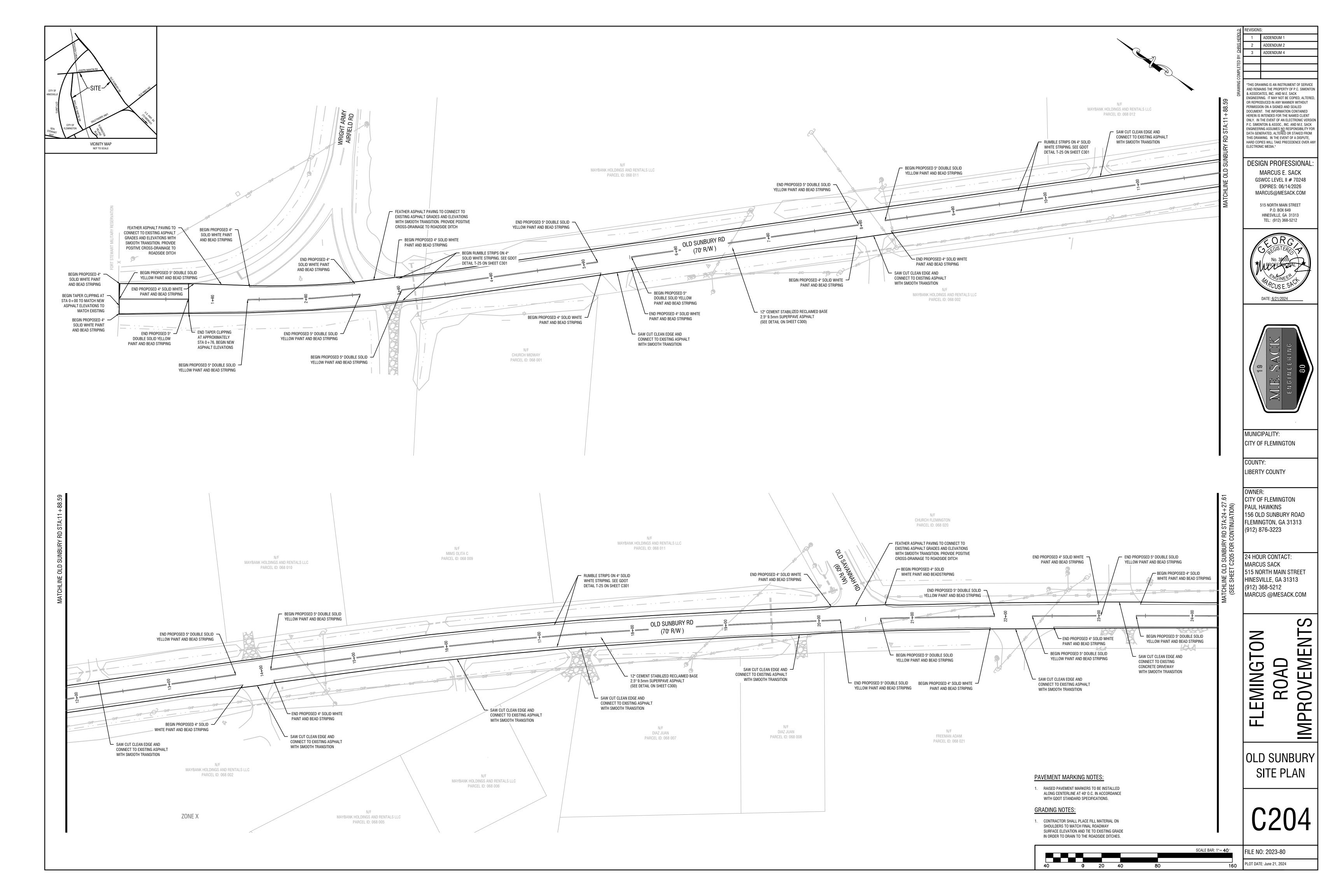


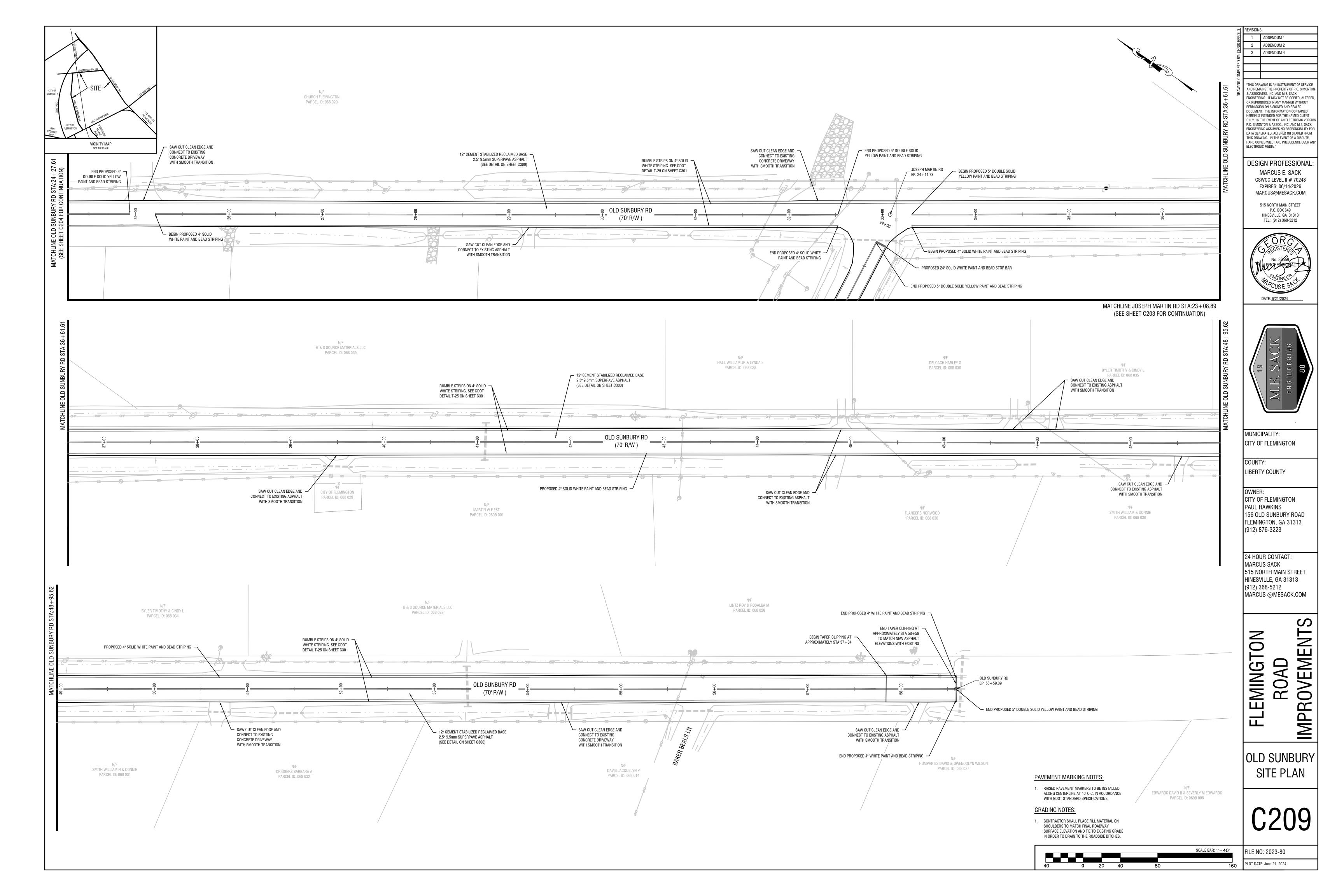


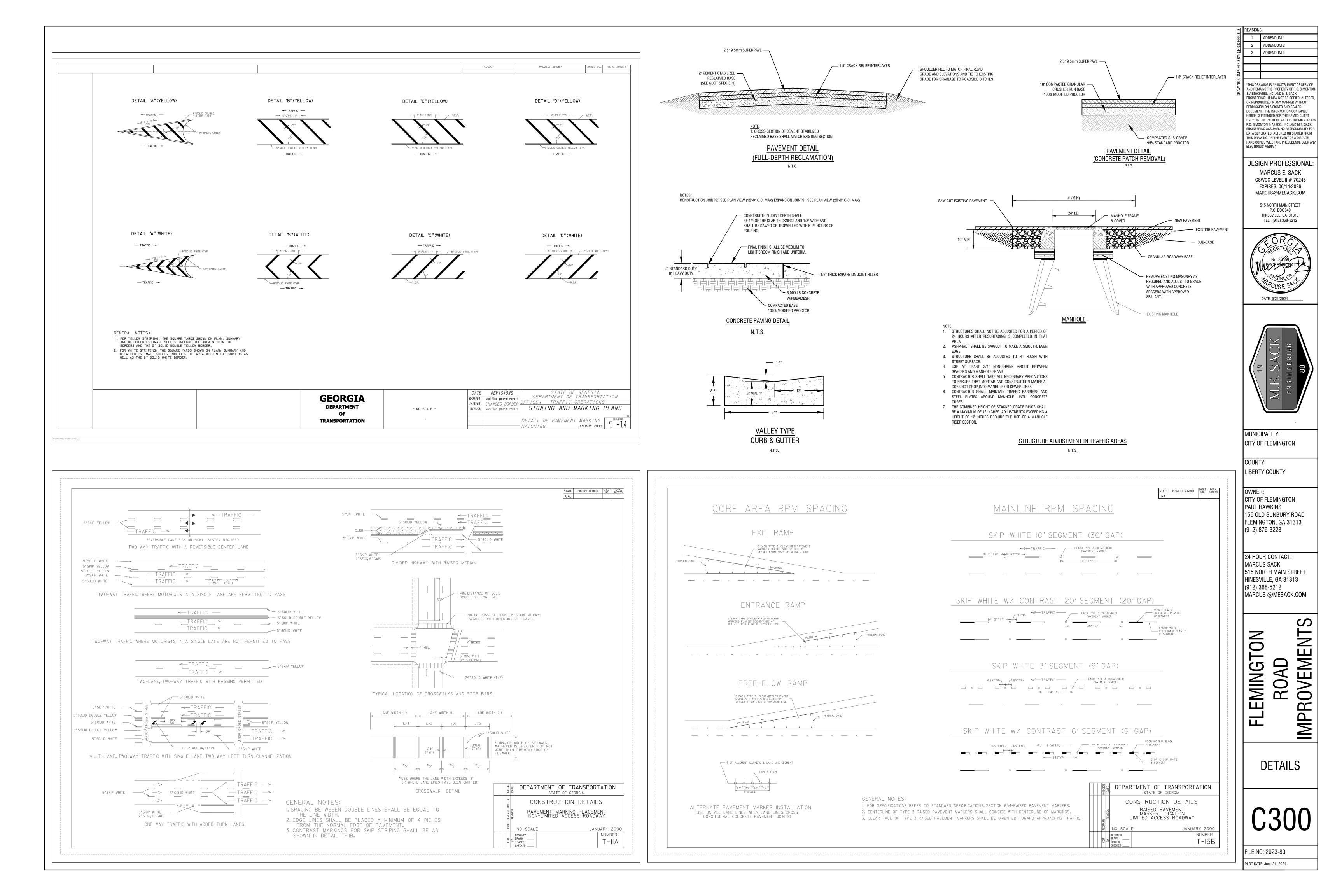


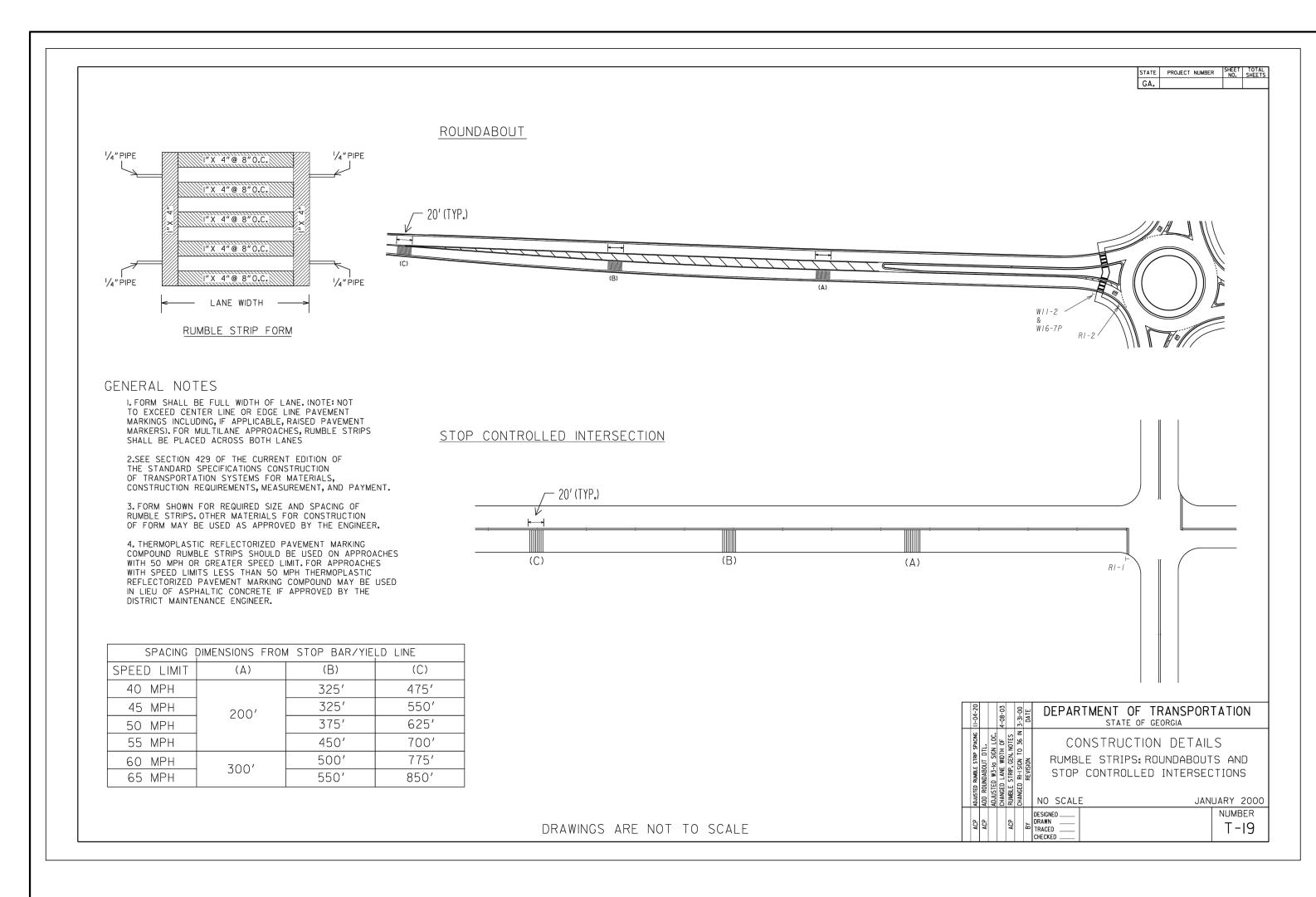


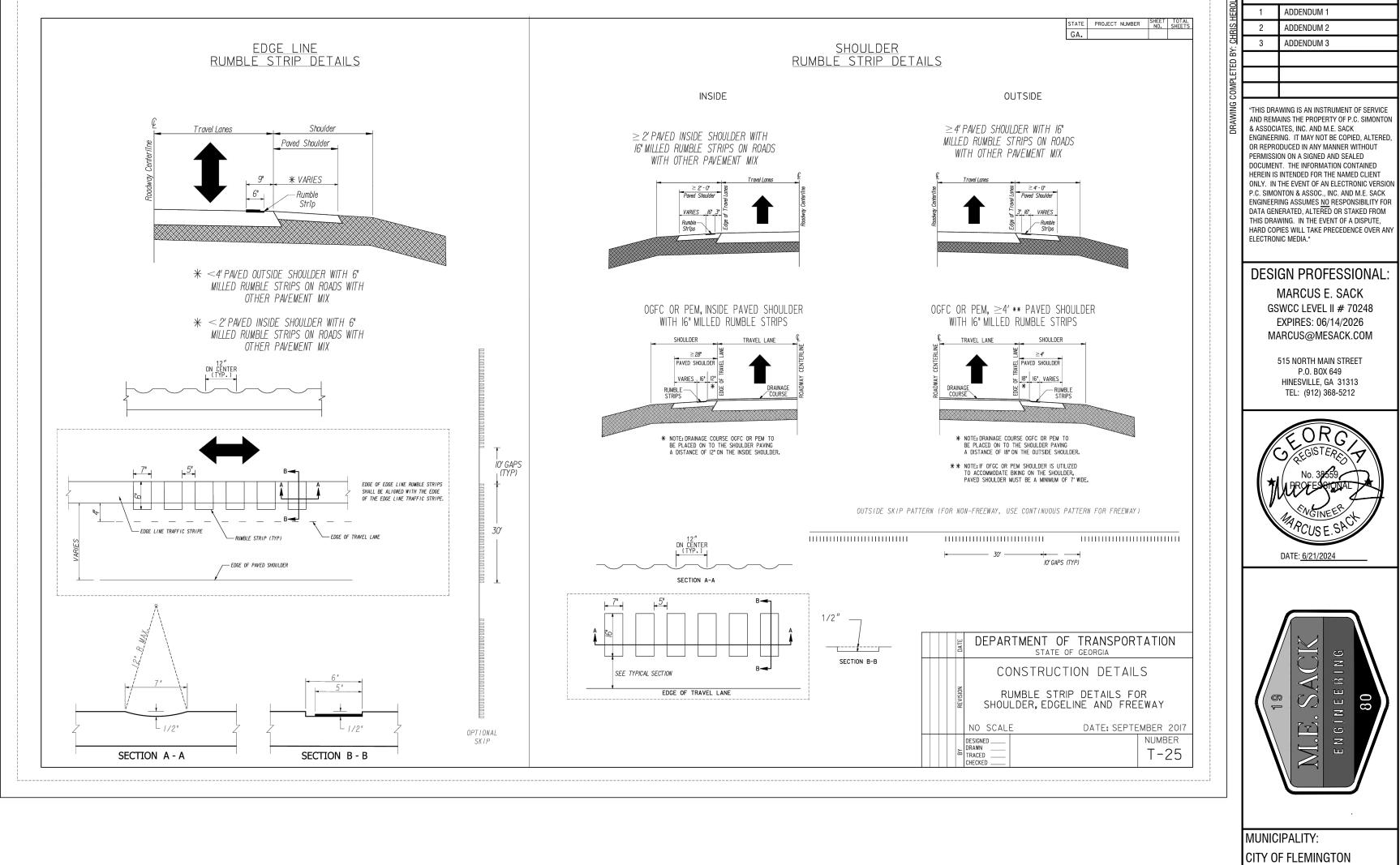












LIBERTY COUNTY

COUNTY:

REVISIONS:

CITY OF FLEMINGTON PAUL HAWKINS 156 OLD SUNBURY ROAD FLEMINGTON, GA 31313 (912) 876-3223

24 HOUR CONTACT:

MARCUS SACK 515 NORTH MAIN STREET HINESVILLE, GA 31313 (912) 368-5212 MARCUS @MESACK.COM

FLEMINGTON ROAD IMPROVEMENTS

DETAILS

C301

FILE NO: 2023-80

PLOT DATE: June 21, 2024