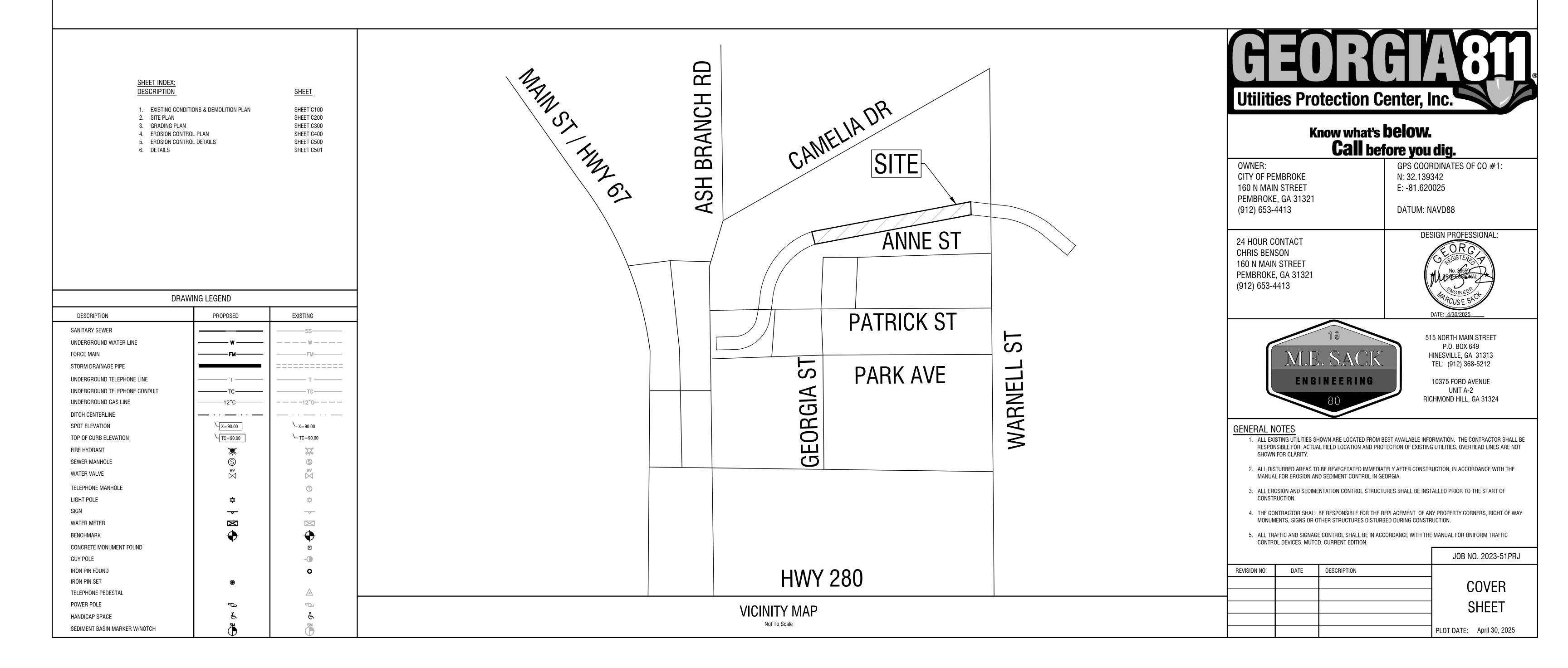
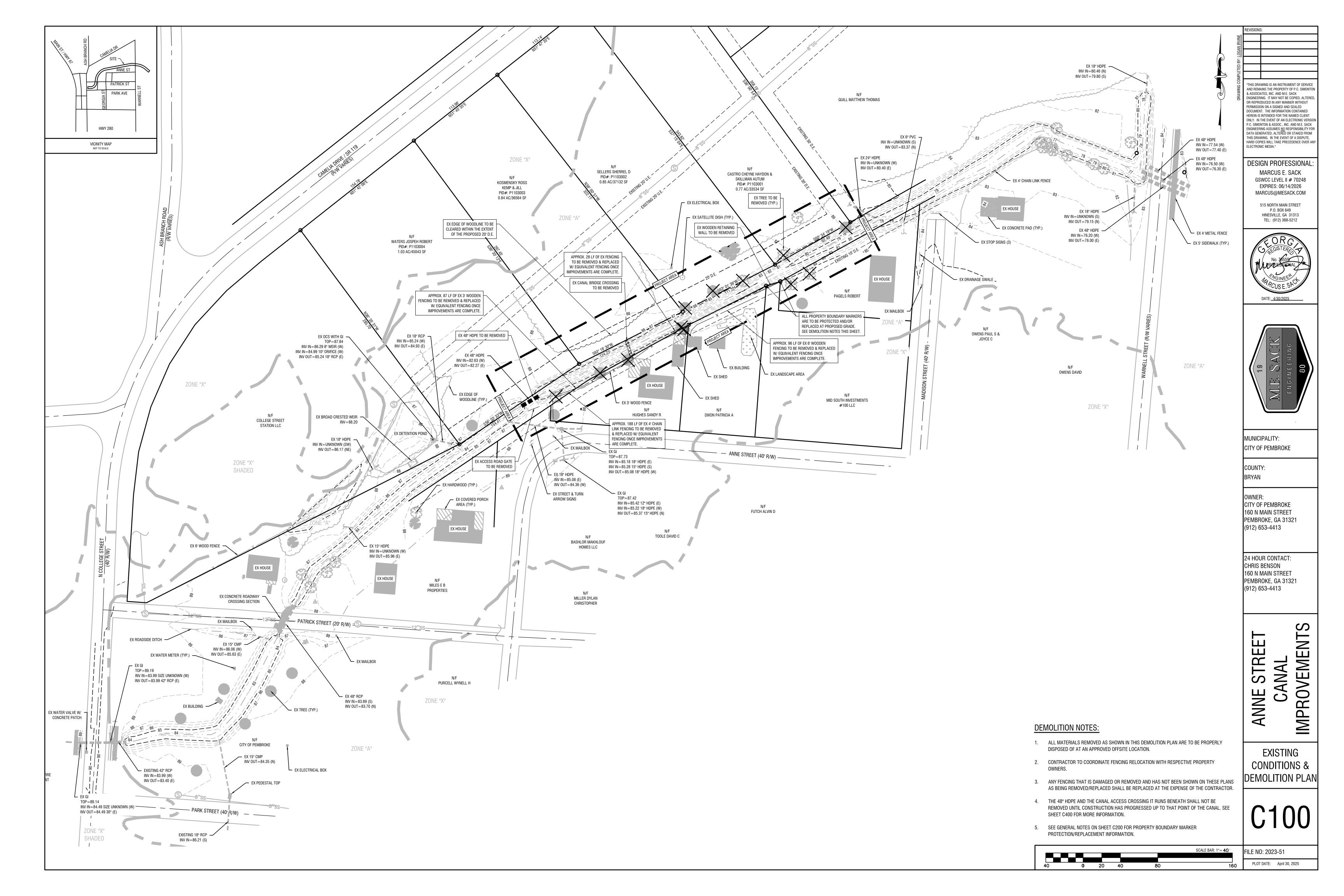
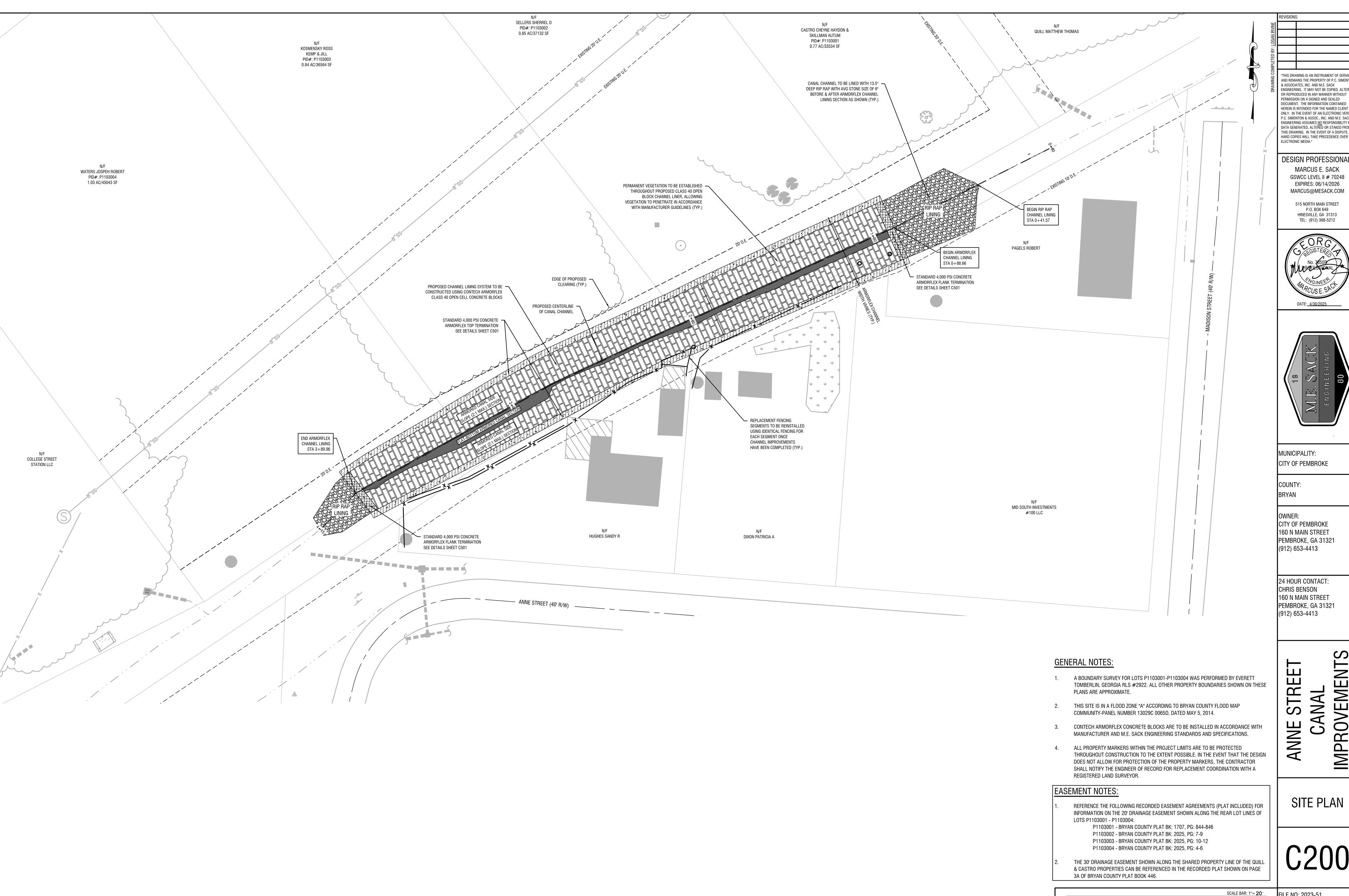
# ANNE STREET CANAL IMPROVEMENTS FOR THE CITY OF PEMBROKE BRYAN COUNTY, GEORGIA DATE: MARCH 6, 2024



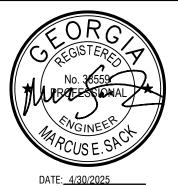


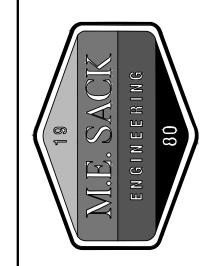


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CITY OF PEMBROKE

CITY OF PEMBROKE 160 N MAIN STREET PEMBROKE, GA 31321 (912) 653-4413

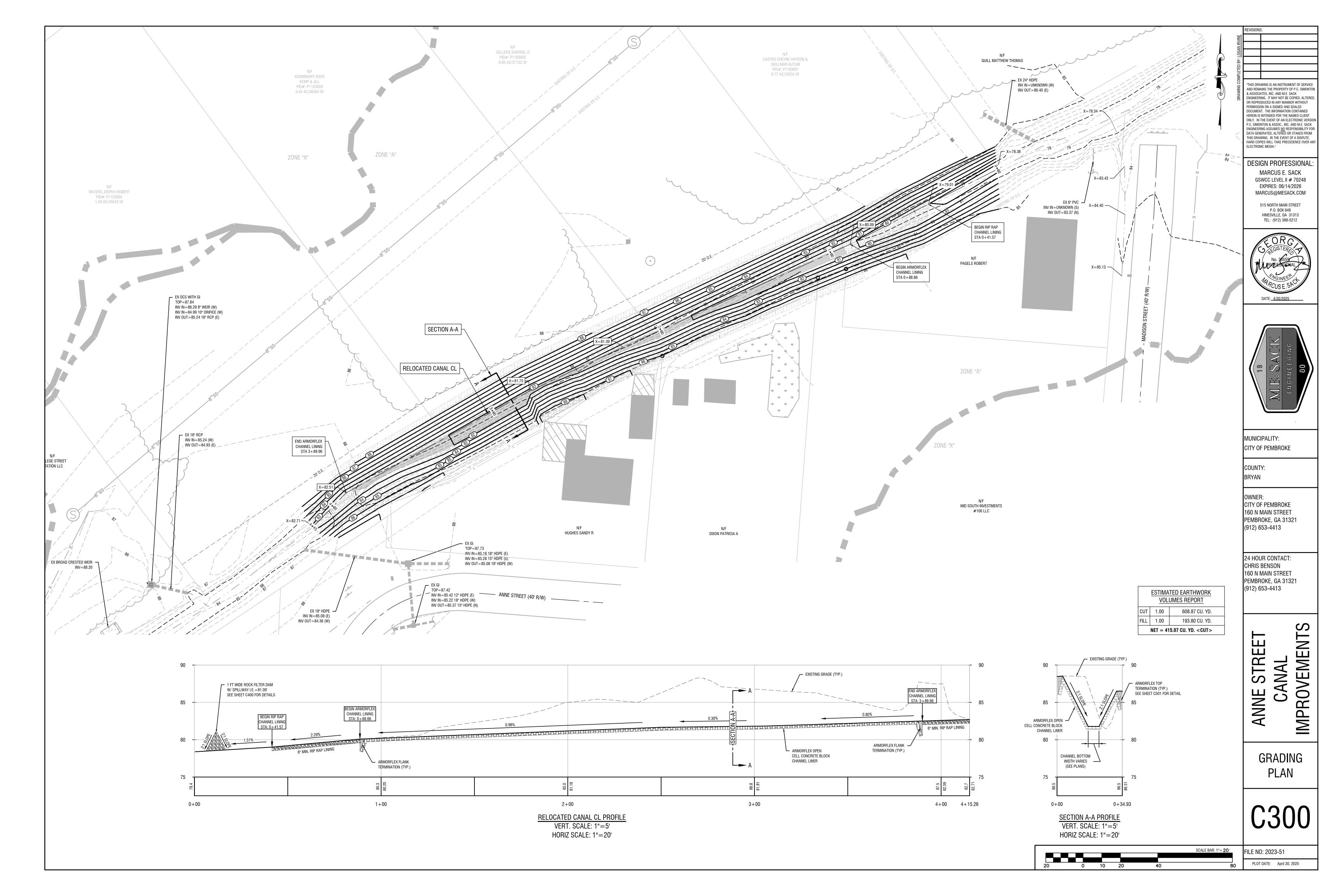
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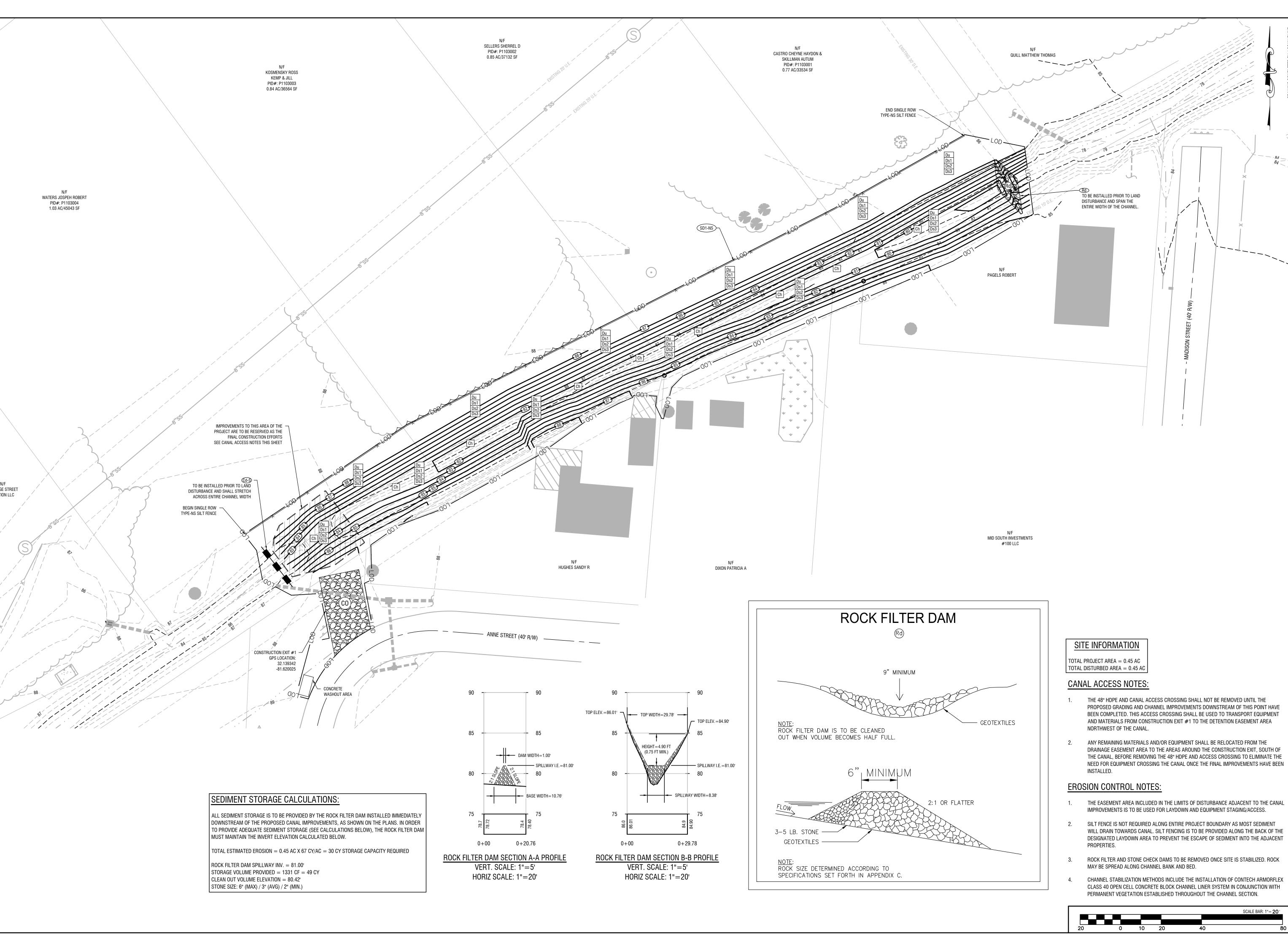
**IMPROVEMENTS** 

FILE NO: 2023-51

PLOT DATE: April 30, 2025

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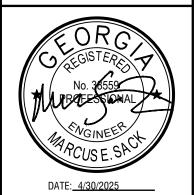


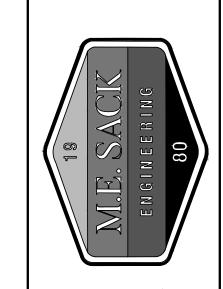
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ELECTRONIC MEDIA."

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MUNICIPALITY: CITY OF PEMBROKE

OWNER: CITY OF PEMBROKE 160 N MAIN STREET PEMBROKE, GA 31321 (912) 653-4413

24 HOUR CONTACT: CHRIS BENSON 160 N MAIN STREET PEMBROKE, GA 31321 (912) 653-4413

# **IMPROVEMENTS** STREE

ANNE

**EROSION** CONTROL PLAN

FILE NO: 2023-51 PLOT DATE: April 30, 2025

### Ds1 DISTURBED AREA STABILIZATION (W/MULCHING ONLY) **SPECIFICATIONS**

A. For temporary protection of critical areas without seeding. This standard applies to grades or cleared areas which may be subjected to erosion for 6 months or less, where seeding may not have a suitable growing season to produce an erosion retardant cover, but which can be stabilized with a mulch cover.

1. Grade, as needed and feasible, to permit the use of equipment for applying and anchoring mulch. 2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers. 3. As needed and feasible, loosen compact soil to a minimum

# depth of 3 inches.

1. Dry straw or hay — spread at a rate of 2 1/2 tons per acre.
2. Wood waste, chips, sawdust or bark — spread 2 to 3 inches deep (about 6 to 9 tons per acre). 3. Erosion control matting or netting, such as excelsior, jute, textile and plastic matting and netting — applied in accordance with manufacturers recommendations.

4. Polyethylene film — secured over banks or stockpiled soil material for temporary protection.

Applying and Anchoring Mulch

1. Apply straw or hay mulch uniformly by hand or mechanically. Anchor as appropriate and feasible. It may be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." The disk may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. the edges of the disk should be dull enough not to cut the mulch but press it into the soil leaving much of it in an erect position.

Straw hay mulch spread with special blower—type equipment may be anchored with emulsified asphalt (Grade AE—5 or SS—1). The asphalt emulsion must be sprayed onto the mulch as it is ejected from the machine.

Use 100 gallons of water per 2. Spread wood waste uniformly on slopes that are 3:1 and flatter.

No anchoring is needed. 3. Commercial matting and netting. Follow manufacturer's specification

included with the material. 4. Apply asphalt so area has uniform appearance. (Note: Use in areas of pedestrian traffic could cause problems or "tracking in" or damage to shoes, clothing, etc.)

B. To conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bar areas on lawns.

### <u>Mulchina Materials</u> Use one of the materials given below and apply at thickness indicated.

Ma	terial	Depth		
1.	Grain straw or grass hay	6" to 10"		
2.	Pine needle	4" to 6"		
3.	Wood waste (sawdust, bark, chips)	4" to 8"		
4.	Shredded residues (crops, leaves, etc.)	4" to 8"		

5. Completely cover area with black polyethylene film and hold in place by placing soil

When using organic mulches, apply 20-30 pounds of nitrogen in addition to the normal amount needed for plant growth to offset the tie up of N by decomposition of mulch

### MULCHING RATES FOR PERMANENT COVER

TYPE OF MULCH	RATE PER ACRE	NOTES
Dry straw	2 Tons	Free of weed seeds.
Dry hay	2.5 Tons	Free of weed seeds.
Wood Cellulose	500 lbs. 1000 lbs.	Slope less than 3/4:1 Slope greater than 3/4:1
Wood Pulp Fiber	500 lbs. 1000 lbs.	Slope less than 3/4:1 Slope greater than 3/4:1
Sericea Lespedeza Hay	3 Tons	Containing mature seeds.
Pine Straw or Bark	3 inches thick	For bedding. Not for seeding.
Bituminous treated roving	See DOT specs.	Use on slopes. in ditches, or dry waterways.

- 1. Mulching is not required for temporary grassing. 2. Mulch shall be applied to cover 75% of the soil surface.
- 3. Sod does not require mulch.

### Du DUST CONTROL ON DISTURBED AREAS

A. To prevent surface and air movement of dust from B. To reduce the presence of airborne substances which may be harmful or injurious to human health,

### welfare, or safety, or to animals or plant life. Temporary Methods

1. Irrigation. This is generally done as an emergency treatment Site is sprinkled with water until the surface is wet.

2. Mulching - See Ds1- Disturbed Area Stabilization ( with Mulching only) 3. Vegetative Cover — See Ds2 — Disturbed Area Stabilization (with Temporary Seeding)

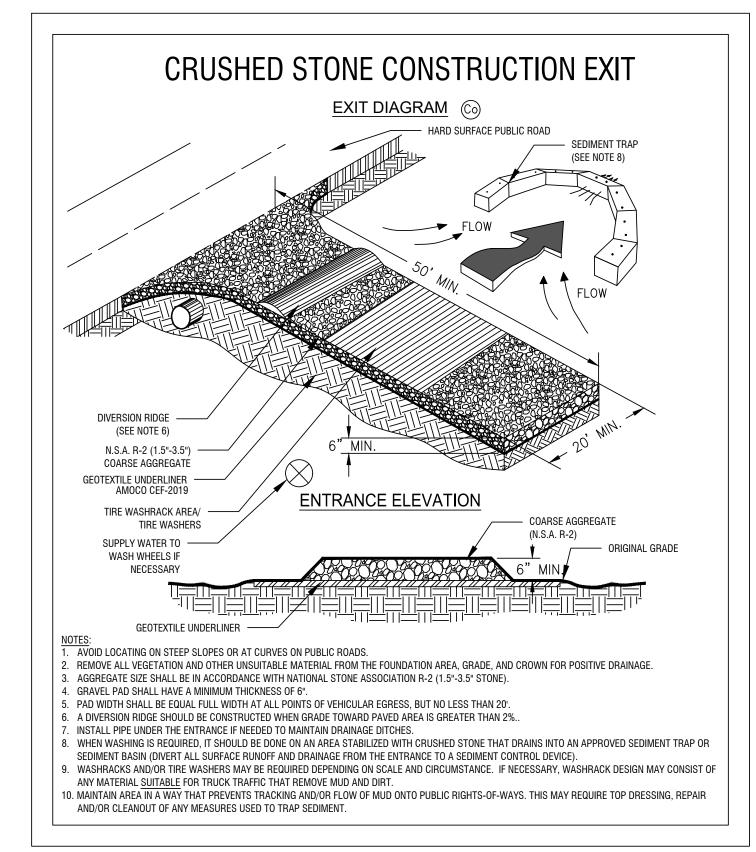
### Permanent Methods

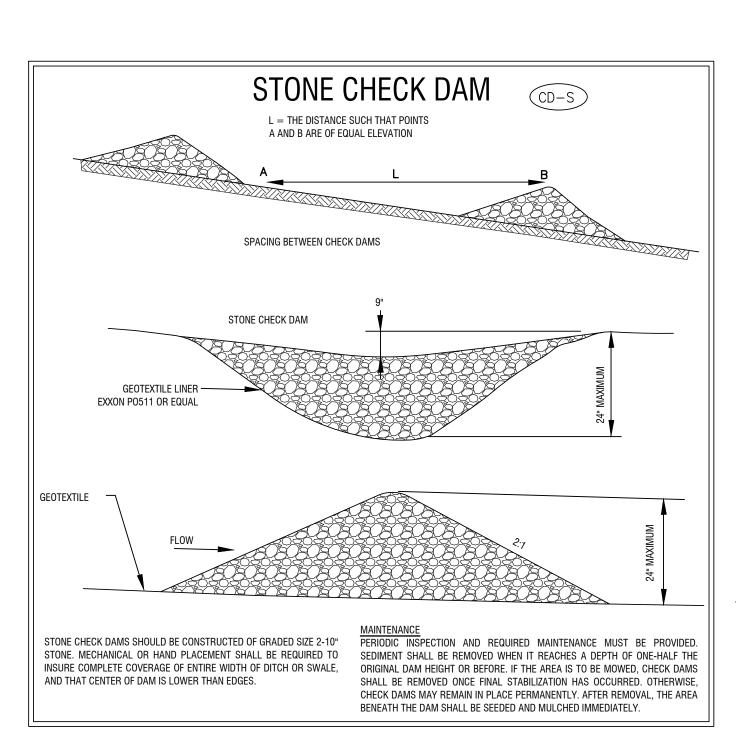
1. Permanent Vegetation — See Ds3 — Disturbed Area Stabilization (with Permanent Vegetation)

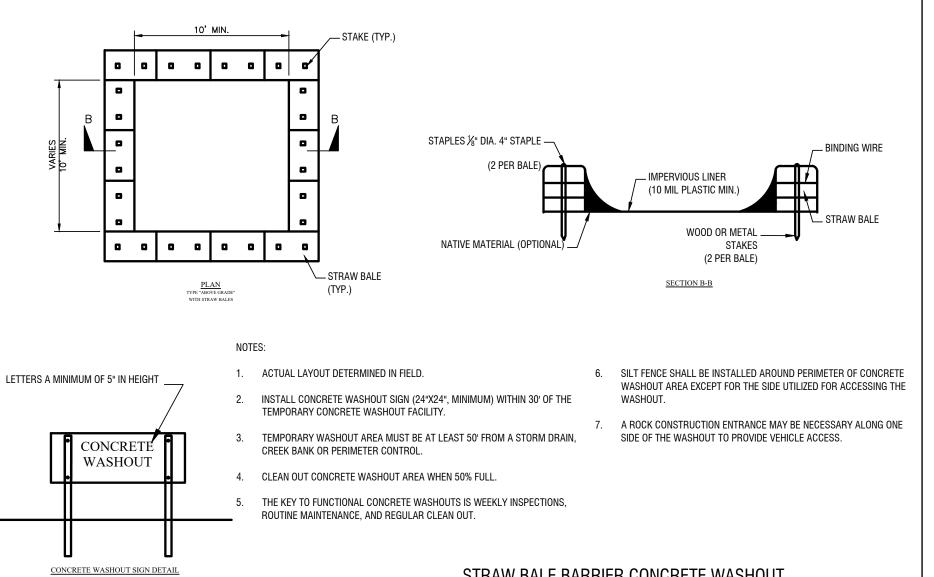
# FERTILIZER REQUIREMENTS

			•	
TYPE OF YEAR SPECIES		ANALYSIS OR EQUIVALENT	RATE	N TOP DRESSING RATE
Cool season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/ 2/ - 30
Cool season grasses legumes	rasses Second 0-10-10 1000 lbs./ac.		0-50 lbs./ac. 1/ - -	
Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	_ _ _
Pine seedings	First	20-10-5	one 21—gram pallet per seeding placed in the closing hole	_
		700 lbs./ac. 700 lbs./ac. 4/	_	
Temporary cover crops seeded clone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/ 6/ 50-100 lbs./ac. 2/ 30 lbs./ac
Warm season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac. 6/

- 1/ Apply in spring following seeding.
- 2/ Apply in split applications when high rates are used. 3/ Apply in 3 split applications.
- 4/ Apply when plants are pruned.
- 5/ Apply to grass species only. 6/ Apply when plants grow to height of 2 to 4 inches.







STRAW BALE BARRIER CONCRETE WASHOUT

N.T.S.

# FRONT VIEW FILTER FABRIC SILT FENCE -(AMOCO CEF-2019) \_ 2"X4" WOOD STUDS - 6' MAX. O.C. —— **GEORGIA** UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES GEORGIA SOIL AND WATER CONSERVATION COMMISSION STRUCTURAL PRACTICES STRUCTURAL PRACTICES 90 TURBIDITY CURTAIN A temporary channel constructed to conve flow around a construction site while a permanent structure is being constructed An earth channel or dike located above, be or across a slope to divert runoff. This me be a temporary or permanent structure. Dn2 PERMANENT DOWNDRAIN STRUCTURE

SILT FENCE - TYPE NON-SENSITIVE

SIDE VIEW

## Ds3 SPECIES AND PLANTING SCHEDULE

	BROADCAST	<u>PLANTII</u>	NG DATES BY RESOURCE	
<u>SPECIES</u>	RATES 1/ - PLS 2/ PER PER	RESOURCE AREA 3/	AREAS *	<u>SPECIFICATIONS</u>
	ACRE 1000 S.F.		JFMAMJJASOND	
BERMUDA, COMMON HUILLED SEED		PC		1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN.
ALONE	10 LBS. 0.2 LB.			GOOD FOR ATHLETIC FIELDS.
WITH OTHER PERENNIALS	6 LBS. 0.1 LB.		JFMAMJJASOND	
BERMUDA, COMMON		P (		
UNHULLED SEED WITH TEMPORARY COVER	10 LBS. 0.2 LB.	C	ПІІІІІП	PLANT WITH WINTER ANNUALS.
WITH OTHER PERENNIALS	6 LBS. 0.1 LB.		JFMAMJJASOND	PLANT WITH TALL FESCUE.
BERMUDA SPRIGS	40 CU. FT. 0.9 CU.FT.	M-L		A CUBIC FT. CONTAINS APPROXIMATLY 650
COASTAL, COMMON, MIDLAND, OR TIFT 44	OR SOD PLUGS 3' X 3'			SPRIGS. A BUSHEL CONTAINS 1.25 C.F. OR APPROXIMATLY 800 SPRIGS.
COASTAL, COMMON,	300 FL063 3 X 3	Р	+ + + + +	SAME AS ABOVE.
TIFT 44		С	$\vdash$	
TIFT 78		С	JFMAMJJASOND	SOUTHERN COASTAL PLAIN ONLY

\* (DARK LINES REPRESENT OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)

## Ds2 SPECIES AND PLANTING SCHEDULE

A temporary stone barrier constructed at storm drain inlets and pond outlets.

A temporary stone filter dam installed across drainageways or in conjunction was temporary sediment trap.

A basin created by excavation or a dam across a waterway. The surface water runo is temporarily stored cillowing the bulk of ti sediment to drop out.

A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trop from a temporary sediment basin is the lack of a pipe or riser.

A buoyant device that releases/drains water from the surface of sediment ponds, traps, basins at a controlled rate of flow.

DATES, GRAY LINES INDICATE PERMISSIBLE

BUT MARGINAL DATES.)

	BRC	BROADCAST		NG DATES BY RESOURCE	
<u>SPECIES</u>	RATES 1, PER	/ - PLS 2/ PER	RESOURCE AREA 3/	AREAS *	<u>REMARKS</u>
	ACRE	1000 S.F.		JFMAMJJASOND	
RYEGRASS, ANNUAL ALONE	40 lbs.	0.9 lb.	M-L P C		227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.

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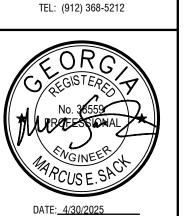
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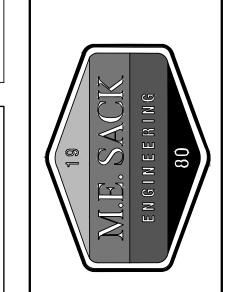
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GSWCC LEVEL II # 70248

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HINESVILLE, GA 31313





MUNICIPALITY: CITY OF PEMBROKE

BRYAN

**VEGETATIVE PRACTICES** 

DISTURBED AREA
STANDLIZATION (WITH
PERM SECTION)
DISTURBED AREA
STANDLIZATION (WITH
PERM SECTION (WITH
PERM SECTION

DU DUST CONTROL ON DISTURBED ANEAS CONTROL ON DISTURBED ANEAS DESCRIPTION DESCRIPT

Substance formulated to assist in the solids/liquid separation of suspended particles in solution.

A protective covering used to prevent erosi and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

DESCRIPTION

Planting vegetation on dunes that are denu artificially constructed, or re-nourished.

DDE PRACTICE DETAIL MAP SYMBOL

DISTURBED AREA
STABLIZATION (WITH
MULCHING ONLY)

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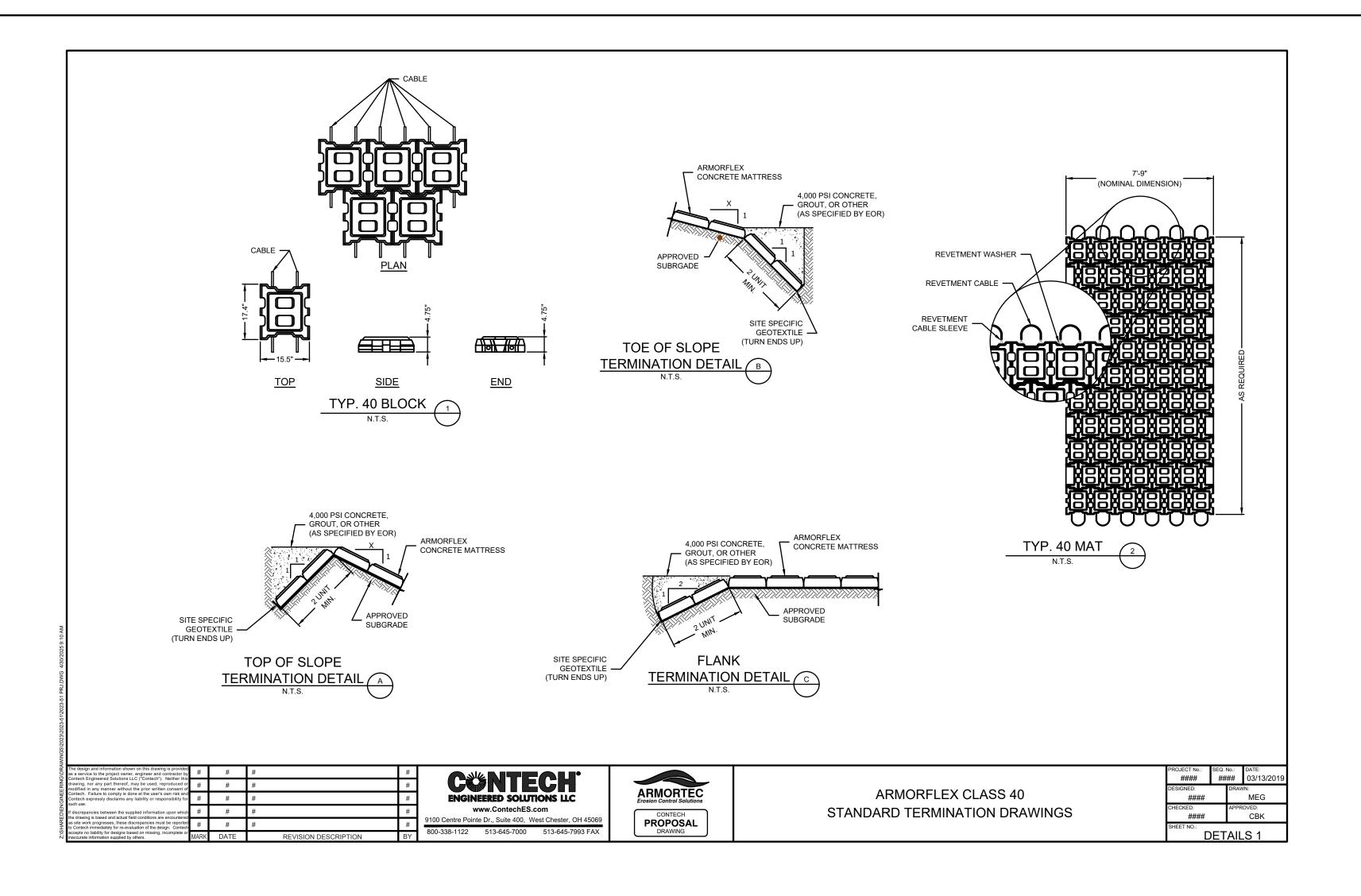
24 HOUR CONTACT: CHRIS BENSON 160 N MAIN STREET PEMBROKE, GA 31321

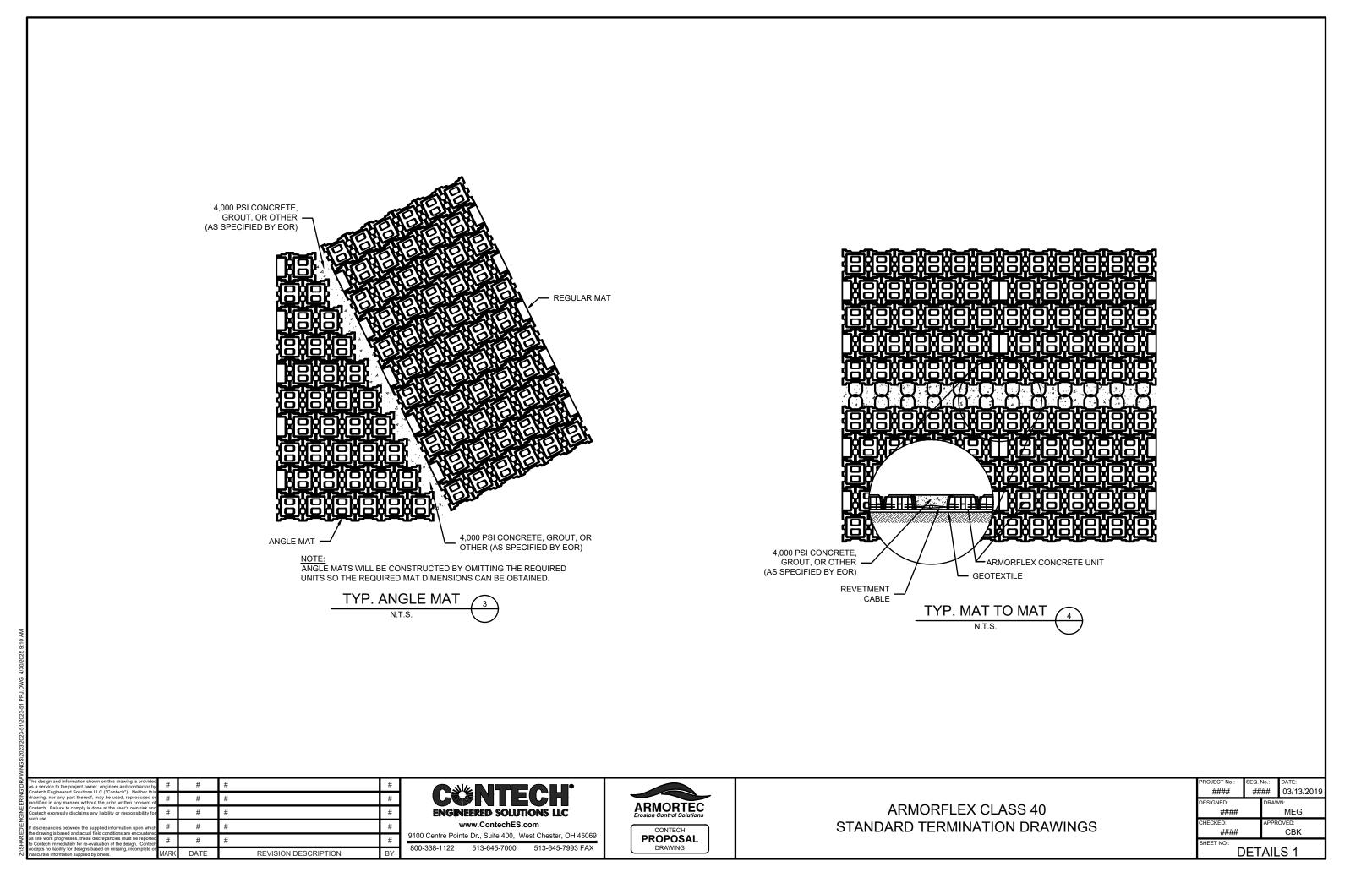
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**IMPROVEMENT** TRE ANNE

**EROSION** CONTROL **DETAILS** 

FILE NO: 2023-51 PLOT DATE: April 30, 2025





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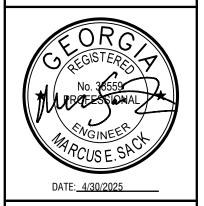
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ANNE STREET
CANAL
IMPROVEMENTS

**DETAILS** 

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