



CITY OF POOLER
 GEORGIA
A great place to Live, Work and Play

SITE IMPROVEMENT PLANS

FOR THE

HWY 80/I-95 INTERCHANGE

BEAUTIFICATION

POOLER, GA
 PREPARED FOR:
CITY OF POOLER
 100 SW HIGHWAY 80
 POOLER, GA, 31322

AUGUST 18, 2021
 LAST REVISED: 05/02/2023

J-25396.1002

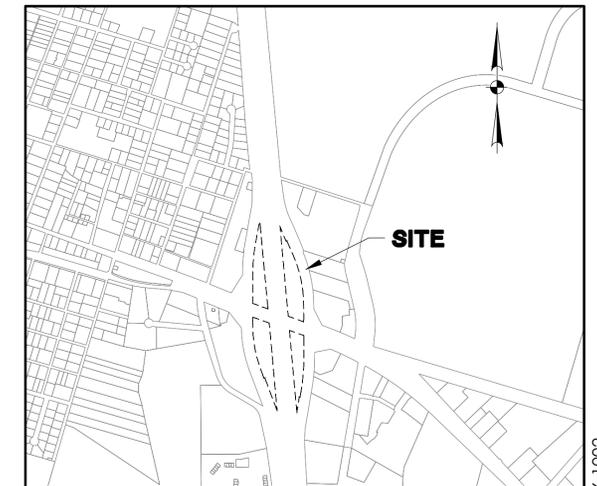
PREPARED BY:



GSWCC LEVEL II
 DESIGN PROFESSIONAL
 CERTIFICATION #
 0000012465
 EXPIRES : 7/1/2024

REVISION HISTORY			
REV. NO.	REVISION	BY	DATE
3	REVISED PER GSWCC COMMENTS	SGJ	5/2/23
2	REVISED/RESUBMITTED DUE TO BILLBOARD SIGHT RADIUS	CET	3/24/23
1	REVISED PER INTERNAL REVIEW	DKW	10/4/22

SUBMITTAL HISTORY	
SUBMITTED TO	DATE
RESUBMITTED TO GSWCC	5/2/23
RESUBMITTED TO GDOT DUE TO BILLBOARD SIGHT RADIUS	3/24/23
SUBMITTED TO	DATE



VICINITY MAP
 SCALE: 1" = 1000'

J-25396.1002
 8/18/21
 HWY 80/ I-95 BEAUTIFICATION

Sheet List Table	
Sheet Number	Sheet Title
CO	COVER SHEET
GI.1	GENERAL NOTES AND LEGEND
GI.2	SHEET INDEX
EXI.1	EXISTING CONDITIONS
EXI.2	EXISTING CONDITIONS
EXI.3	EXISTING CONDITIONS
EXI.4	EXISTING CONDITIONS
ECI.1	EROSION CONTROL NOTES
ECI.2	EROSION CONTROL NOTES
ECI.3	EROSION CONTROL NOTES
EC2.1	EROSION CONTROL PLAN - INITIAL
EC2.2	EROSION CONTROL PLAN - INITIAL
EC2.3	EROSION CONTROL PLAN - INITIAL
EC2.4	EROSION CONTROL PLAN - INITIAL
EC3.1	EROSION CONTROL PLAN - FINAL
EC3.2	EROSION CONTROL PLAN - FINAL
EC3.3	EROSION CONTROL PLAN - FINAL
EC3.4	EROSION CONTROL PLAN - FINAL
EC4.1	EROSION CONTROL DETAILS
EC4.2	EROSION CONTROL DETAILS
CI.1	GRADING PLAN
CI.2	GRADING PLAN
CI.3	GRADING PLAN
CI.4	GRADING PLAN
CI.5	U - BOTTOM SWALE DETAIL
LI.1	PLANTING PLAN
LI.2	PLANTING PLAN
LI.3	PLANTING PLAN
LI.4	PLANTING PLAN
L2.1	PLANTING DETAILS
L2.2	LANDSCAPING SPECIFICATIONS
L2.3	GRASSING SPECIFICATIONS
L3.1	SCHEMATIC SIGN DETAILS



Know what's below.
 Call before you dig.



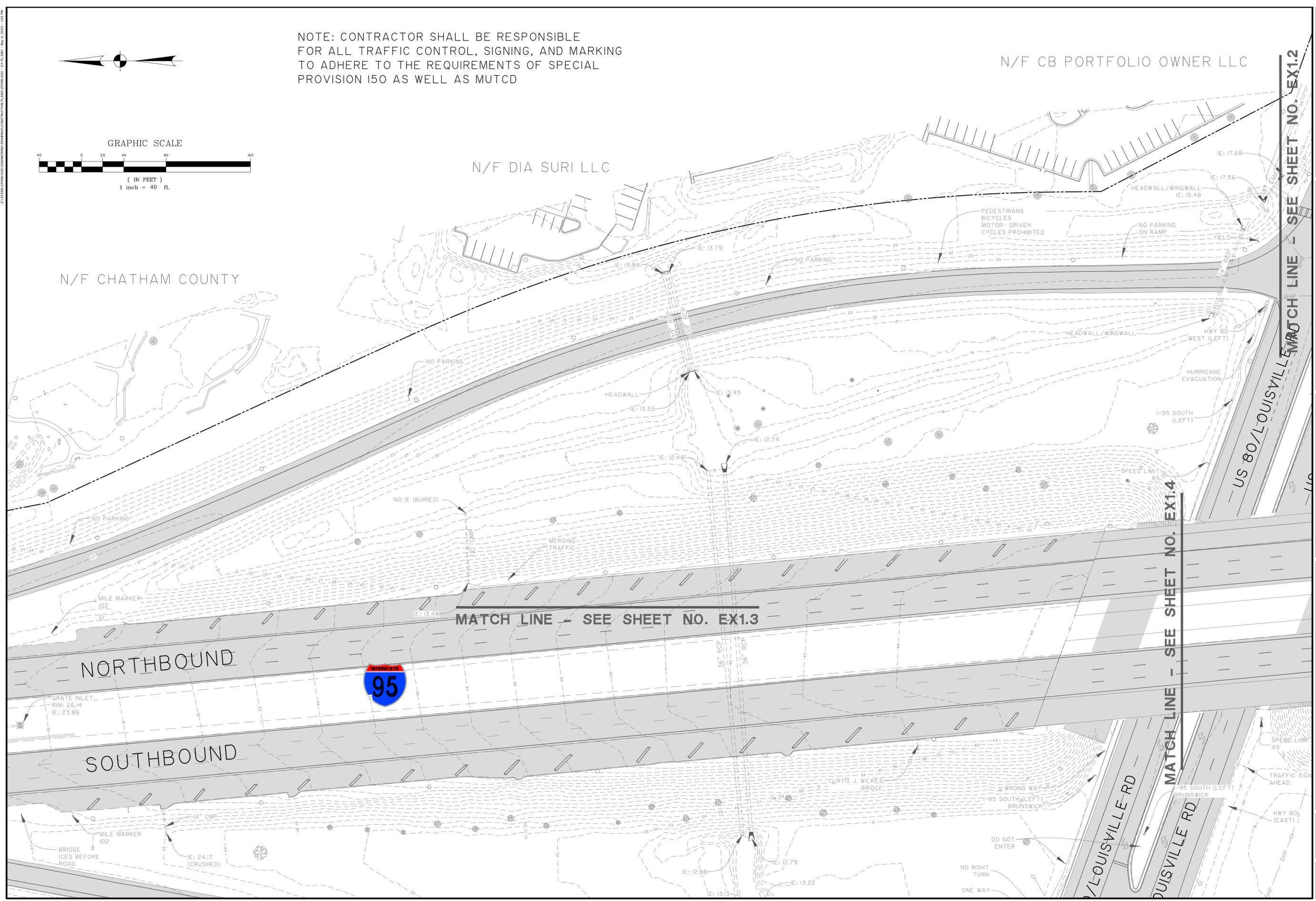
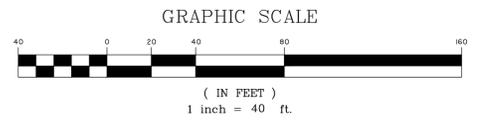
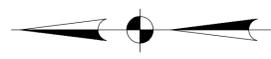
50 Park of Commerce Way
 Savannah, GA 31405
 p.912.234.5300 f.912.234.2950
 www.thomasandhutton.com

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD

N/F CB PORTFOLIO OWNER LLC

N/F DIA SURI LLC

N/F CHATHAM COUNTY



GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #
000002465
EXPIRES : 7/7/2024

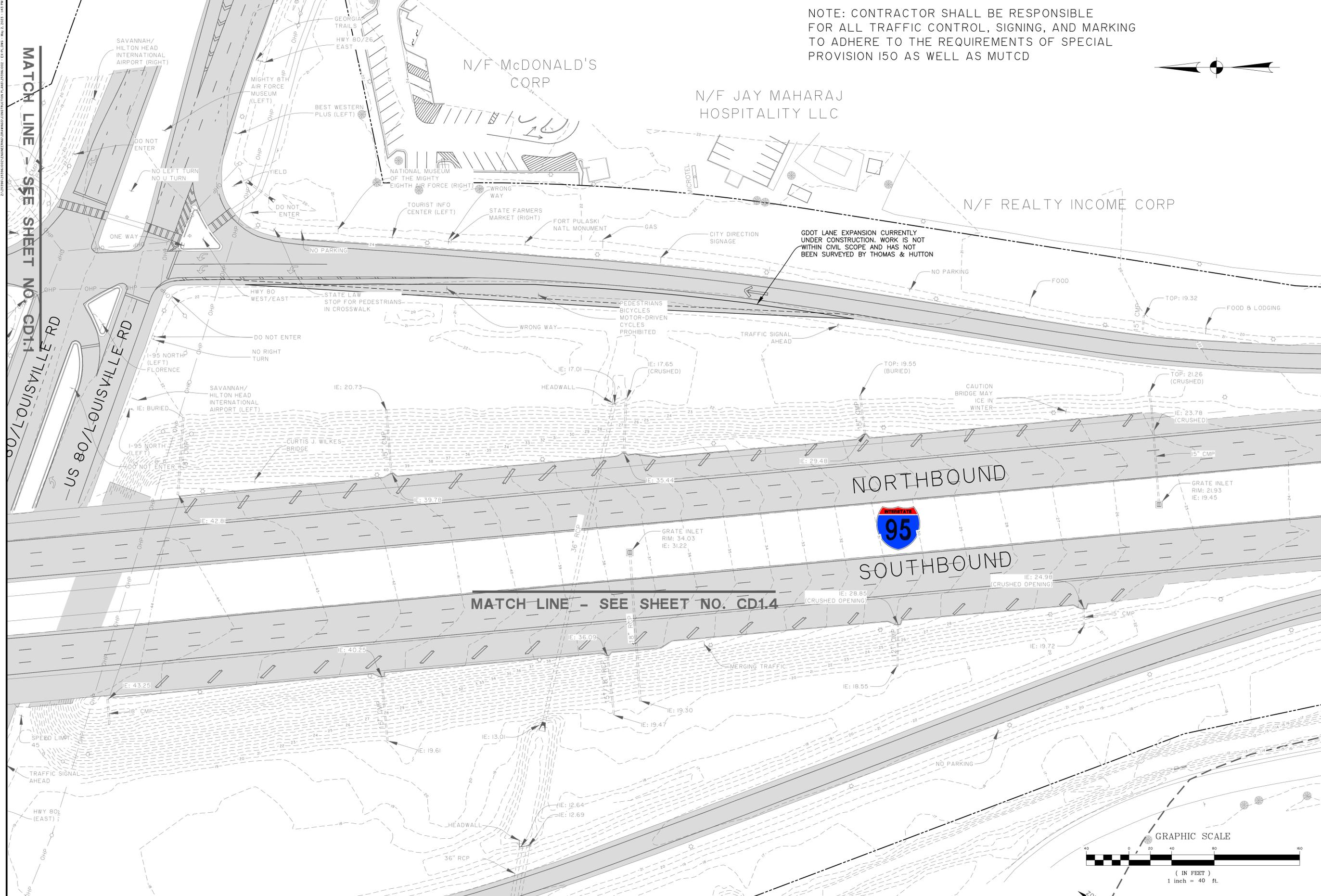
NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA
HWY 80/ I-95 BEAUTIFICATION
EXISTING CONDITIONS

JOB NO:	J-25396.002
DATE:	8/16/21
DRAWN:	SGJ
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	1" = 40'

EX1.1



NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD



GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #
000002465
EXPIRES: 7/7/2024

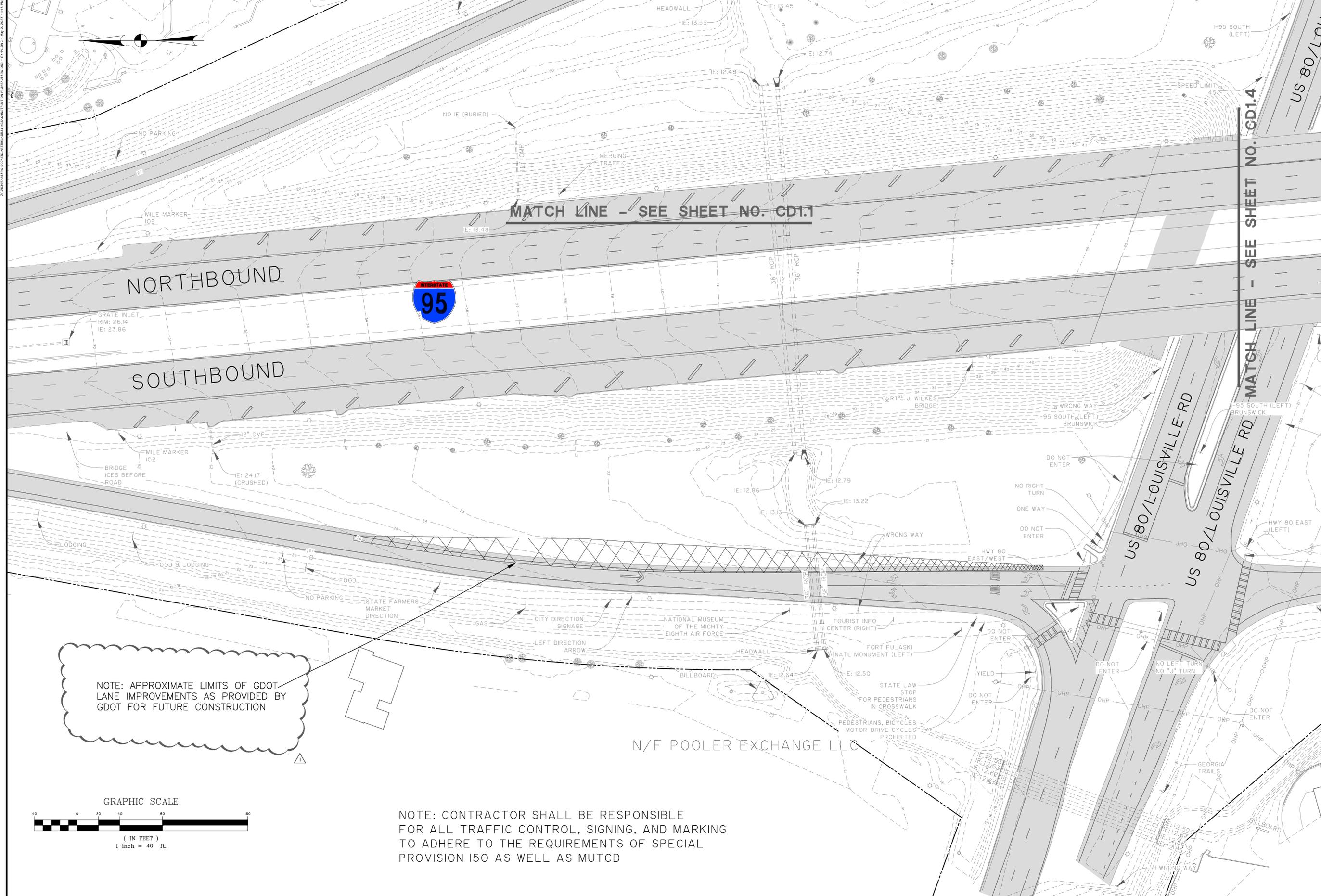
NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

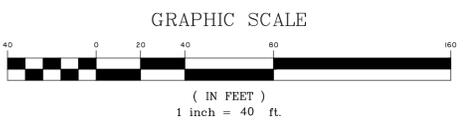
CITY OF POOLER
POOLER, GA
HWY 80/ I-95 BEAUTIFICATION
EXISTING CONDITIONS

JOB NO:	J-25396.002
DATE:	8/16/21
DRAWN:	SGJ
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	1" = 40'

EX1.2



NOTE: APPROXIMATE LIMITS OF GDOT LANE IMPROVEMENTS AS PROVIDED BY GDOT FOR FUTURE CONSTRUCTION



NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD

GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #
000002465
EXPIRES: 7/7/2024

NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA
HWY 80/ I-95 BEAUTIFICATION
EXISTING CONDITIONS

JOB NO:	J-25396.002
DATE:	8/16/21
DRAWN:	SGJ
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	1" = 40'

EX1.3

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST - STAND ALONE CONSTRUCTION PROJECTS

SWCD: COASTAL
PROJECT NAME: HWY 80 / I-95 BEAUTIFICATION
CITY/COUNTY: POOLER/CHATHAM

ADDRESS: HWY 80 & I-95 INTERCHANGE, POOLER, GA 30802
DATE ON PLANS: 8/18/21
REVISED DATE:

ATTACHED YES

1. THE APPLICABLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE COMMISSION AS OF JANUARY 1 OF THE YEAR IN THE LAND-DISTURBING ACTIVITY WAS PERMITTED. (THE COMPLETED CHECKLIST MUST BE SUBMITTED WITH THE ES&PC PLAN OR THE PLAN WILL NOT BE REVIEWED) (PERMIT IV.D.1 PG 26)

PLEASE FIND THE CURRENT STAND ALONE EROSION, SEDIMENTATION AND POLLUTION CONTROL CHECKLIST ATTACHED WITH THIS PLAN

ALL YES

2. LEVEL II CERTIFICATION NUMBER ISSUED BY THE COMMISSION, SIGNATURE AND SEAL OF THE CERTIFIED DESIGN PROFESSIONAL. (SIGNATURE, SEAL AND LEVEL II NUMBER MUST BE ON EACH SHEET PERTAINING TO ES&PC PLAN OR THE PLAN WILL NOT BE REVIEWED)

PLEASE FIND ON EACH SHEET OF THIS PLAN THE GSWCC LEVEL II CERTIFICATION NUMBER, SIGNATURE AND SEAL FOR MR. LAMAR MERCER, PE.

ECOJ YES

3. LIMIT OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE. IF EPD APPROVES THE REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE BMP'S LISTED IN APPENDIX I OF THIS CHECK LIST. (A COPY OF THE WRITTEN APPROVAL BY EPD MUST BE ATTACHED TO THE PLAN FOR THE PLAN TO BE REVIEWED. (PERMIT IV.D.3 PG 27)

THE LIMITS OF DISTURBANCE FOR THIS PROJECT DO NOT EXCEED 50 ACRES

ECOJ YES

4. THE NAME AND PHONE NUMBER OF 24-HOUR LOCAL CONTACT RESPONSIBLE FOR EROSION, SEDIMENTATION AND POLLUTION CONTROLS. (PERMIT II.B.1.c PG 12)

THE CITY OF POOLER
(912) 748-7261

ECOJ YES

5. PROVIDE NAME, ADDRESS, EMAIL ADDRESS AND PHONE NUMBER OF PRIMARY PERMITTEE. (PERMIT II.B.1.b PG 12)

THE CITY OF POOLER Matt Saxon
100 SW HIGHWAY 80 msaxon@pooler-ga.gov
POOLER, GA 31322
(912) 748-7261

ECOJ YES

6. NOTE TOTAL AND DISTURBED ACREAGE OF THE PROJECT OR PHASE UNDER CONSTRUCTION. (PERMIT IV.D.2 c PG 27)

TOTAL PARCEL ACREAGE IS 32 ACRES.
INITIAL/INTERMEDIATE PHASE DISTURBANCE IS 4.88 ACRES.
FINAL PHASE DISTURBANCE IS 4.88 ACRES.
TOTAL DISTURBED ACREAGE FOR THE PROJECT IS 4.88 ACRES.

ECOJ YES

7. PROVIDE THE GPS LOCATION OF THE CONSTRUCTION EXIT FOR THE SITE. GIVE THE LATITUDE AND LONGITUDE IN DECIMAL DEGREES. PERMIT II.B.1 a PG 12

CONSTRUCTION EXIT IS LOCATED AT:
LAT: N 32.0650 ; LONG: W -81.1420

ALL YES

8. INITIAL DATE OF THE PLAN AND THE DATES OF ANY REVISIONS MADE TO THE PLAN INCLUDING THE ENTITY WHO REQUESTED THE REVISIONS.

PLEASE FIND THE INITIAL DATE OF THE PLAN AND ALL REVISIONS ON THE COVER SHEET AS WELL AS EACH INDIVIDUAL SHEET OF THE PLAN.

ECOJ YES

9. DESCRIPTION OF THE NATURE OF CONSTRUCTION ACTIVITY. (PERMIT IV.D.2 a PG 27)

THE CONSTRUCTION ACTIVITY AT THE SITE WILL INVOLVE GRADING

COVER YES

10. PROVIDE VICINITY MAP SHOWING SITE'S RELATION TO SURROUNDING AREAS. INCLUDE DESIGNATION OF SPECIFIC PHASE, IF NECESSARY. (PERMIT IV.D.2 a PG 27)

PLEASE FIND THE VICINITY MAP LOCATED ON THE COVER SHEET OF THE PLANS

ECOJ YES

11. IDENTIFY THE PROJECT RECEIVING WATERS AND DESCRIBE ALL SENSITIVE ADJACENT AREAS INCLUDING STREAMS, LAKES, RESIDENTIAL AREAS, WETLANDS, MARSHLANDS, ETC. WHICH MAY BE AFFECTED. (PERMIT IV.D.2.f PG 27)

THE RECEIVING WATERS FOR THE PROJECT ARE TRIBUTARIES TO SALT CREEK, WHICH OUTFALLS TO LITTLE OGEECHEE RIVER. ULTIMATELY THE LITTLE OGEECHEE RIVER OUTFALLS TO THE OGEECHEE RIVER. ALL OF THESE SUPPORT WARM WATER FISHERIES.

ECOJ YES

12. DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT AND SIGNATURE THAT THE SITE WAS VISITED PRIOR TO DEVELOPMENT OF THE ES&PC PLAN AS STATED ON PART IV PAGE 19 OF THE PERMIT.

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR AUTHORIZED AGENT UNDER MY SUPERVISION.

Lamar Mercer
LAMAR MERCER, PE
GSWCC LEVEL II DESIGN PROFESSIONAL
CERTIFICATION #0000012465
EXPIRATION DATE: 9/12/2023

ECOJ YES

13. DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT AND SIGNATURE THAT THE PERMITTEE'S ES&PC PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BMP'S AND SAMPLING TO MEET PERMIT REQUIREMENTS AS STATED ON PART IV PAGE 19 OF THE PERMIT.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

Lamar Mercer
LAMAR MERCER, PE
GSWCC LEVEL II DESIGN PROFESSIONAL
CERTIFICATION #0000012465
EXPIRATION DATE: 9/12/2023

ECOJ YES

14. CLEARLY NOTE THE STATEMENT THAT "THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION, IN ACCORDANCE WITH PART IV.A.5 PAGE 25 OF THE PERMIT.

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION
DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.

DATE OF INSPECTION: _____

I CERTIFY THE SITE WAS _____ WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # _____

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN

THESE DEFICIENCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

ECOJ YES

15. CLEARLY NOTE THE STATEMENT THAT "NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS." (PART IV.(i)-(iv) PG 19-24 OF THE PERMIT).

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

ECOJ YES

16. PROVIDE A DESCRIPTION OF ANY BUFFER ENCROACHMENTS AND INDICATE WHETHER A BUFFER VARIANCE IS REQUIRED.

NOT APPLICABLE FOR THIS PROJECT.

ECOJ YES

17. CLEARLY NOTE THE STATEMENT THAT "AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL." (PART IV.C PG 26 OF PERMIT).

AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

ECOJ YES

18. CLEARLY NOTE THE STATEMENT THAT "WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. (PERMIT IV.D.3.c(i) PG 30).

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

ECOJ YES

19. CLEARLY NOTE THE STATEMENT THAT "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

ECOJ YES

20. CLEARLY NOTE THE STATEMENT THAT "EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ECOJ YES

21. CLEARLY NOTE THE STATEMENT "ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING." (PERMIT IV.D.3.a.(i) PG 28).

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

N/A

22. ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III.C. OF THE PERMIT. INCLUDE THE COMPLETED APPENDIX I LISTING ALL THE BMP'S THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT. (PART III.C.2.A - V. PG 19-21)

NOT APPLICABLE TO THIS PROJECT.

N/A

23. IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT AT LEAST SIX MONTHS PRIOR TO SUBMITTAL OF NOI, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN. (PERMIT III.C.1 PG 15)

NOT APPLICABLE TO THIS PROJECT.

ECI1-3.3 YES

24. BMP'S FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED. (PERMIT IV.D.3.c.(6) PG 31).

CONCRETE WASHOUT AREA SHOWN ON EROSION CONTROL PLAN SHEETS.

ECOJ YES

25. PROVIDE BMP'S FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS. (PERMIT IV.D.3.c.(5) PG 31).

PETROLEUM BASED PRODUCTS- CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE FOR SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS. HAVE EQUIPMENT TO CONTAIN AND CLEAN UP PETROLEUM SPILLS IN FUEL STORAGE AREAS OR ON MAINTENANCE AND FUELING VEHICLES. STORE IN COVERED AREAS PROTECTED WITH DIKES. REGULARLY INSPECT FOR CRACKS OR LEAKAGE IN CONTAINERS/TANKS.

SPILL CLEANUP AND CONTROL PRACTICES

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND MEAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL

ECOJ YES

26. DESCRIPTION OF THE MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. (PERMIT IV.D.3.b PG 29).

PERMANENT GRASSING AND LANDSCAPING WILL BE INSTALLED TO PROTECT EARTHEN AREAS FROM EROSION ONCE CONSTRUCTION IS COMPLETE.

ECOJ YES

27. DESCRIPTION OF PRACTICES TO PROVIDE COVER FOR BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE. (PERMIT IV.D.3.a.(2) PG 30).

THE CONTRACTOR IS TO PROVIDE COVER FOR: BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS THAT ARE STORED ON SITE BY USING PLASTIC SHEETING AS COVER AND PROTECTION FROM PRECIPITATION. THE ABOVE PRODUCTS WILL BE STORED IN A LOCATION THAT WOULD MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

ECOJ YES

28. DESCRIPTION OF THE PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES. (PERMIT IV PG 24)

POLLUTANT PREVENTION

THE FOLLOWING MATERIALS ARE EXPECTED ONSITE DURING CONSTRUCTION: PETROLEUM BASED FUELS AND LUBRICANTS FOR EQUIPMENT, ADDITIVES FOR SOIL STABILIZATION, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, CONCRETE PRODUCTS, ASPHALT, TAR, LUMBER, PAINTS/STAINS/FINISHING TREATMENTS, PAINT SOLVENTS, CLEANING SOLVENTS, PLASTICS AND METAL PIPES.

PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE THE RISK OF SPILLS FROM DISCHARGING INTO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

- QUANTITIES ONSITE WILL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.
- PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER'S LABELS LEGIBLE AND VISIBLE.
- PRODUCT MIXING, DISPOSAL, AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE AND DISPOSAL.

PRODUCT SPECIFIC PRACTICES

FERTILIZER/HERBICIDES/PESTICIDES/DETERGENTS- THESE WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS. DO NOT DISCHARGE WASH WATER INTO STORM WATER SYSTEM. INSTALL CURBS OR DIKES AROUND STORAGE AREA TO PROTECT AGAINST SPILLS. LIMIT USE OF DETERGENTS ON-SITE.

PAINTS/FINISHES/SOLVENTS- ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING- CONCRETE WASHOUT SHALL OCCUR ONLY IN THE WASH PAD VICINITY DELINEATED IN THE PLANS.

BUILDING MATERIALS- NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.



NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA
HWY 80 / I-95 BEAUTIFICATION
EROSION CONTROL NOTES

JOB NO:	J-25396.1002
DATE:	8/18/21
DRAWN:	Bj
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	NOT TO SCALE

EC1.1

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST -
STAND ALONE CONSTRUCTION PROJECTS**

SWCD: COASTAL
PROJECT NAME: 25396.I002 - HWY 80/I-95 INTERCHANGE
BEAUTIFICATION
CITY/COUNTY: POOLER / CHATHAM

ADDRESS: HWY 80 & I-95 INTERCHANGE, POOLER, GA 31322
DATE ON PLANS: 8/18/21
REVISED DATE: 9/21/21

ECO.2 YES

29. DESCRIPTION AND CHART OR TIMELINE OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOILS FOR THE MAJOR PORTIONS OF THE SITE (I.E., INITIAL PERIMETER AND SEDIMENT STORAGE BMP'S, CLEARING AND GRUBBING ACTIVITIES, EXCAVATION ACTIVITIES, UTILITY ACTIVITIES, TEMPORARY AND FINAL STABILIZATION). (PERMIT IV.D.2b PG 27)

A SPECIFIED WORK SCHEDULE IS NEEDED TO COORDINATE THE TIMING OF LAND DISTURBING ACTIVITIES WITH THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES.

THE PURPOSE OF THE SCHEDULE IS TO REDUCE ON-SITE EROSION AND OFF-SITE SEDIMENTATION BY PERFORMING LAND DISTURBING ACTIVITIES AND INSTALLING EROSION AND SEDIMENTATION CONTROL PRACTICES IN ACCORDANCE WITH A PLANNED SCHEDULE.

IN PLANNING CONSTRUCTION WORK, IT MAY BE HELPFUL TO OUTLINE ALL LAND DISTURBING ACTIVITIES NECESSARY TO COMPLETE THE PROPOSED PROJECT. THEN LIST ALL PRACTICES NEEDED TO CONTROL EROSION AND SEDIMENTATION ON THE SITE. THESE TWO LISTS CAN THEN BE COMBINED IN LOGICAL ORDER TO PROVIDE A PRACTICAL AND EFFECTIVE CONSTRUCTION SEQUENCE SCHEDULE THAT BECOMES PART OF THE EROSION AND SEDIMENTATION CONTROL PLAN.

CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
1. OBTAIN ALL PLAN APPROVALS AND OTHER APPLICABLE PERMITS.	
2. FLAG THE WORK LIMITS AND MARK THE TREES AND BUFFER AREAS FOR PROTECTION.	
3. HOLD PRE CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.	
4. CONSTRUCTION ACCESS - CONSTRUCTION ENTRANCE, CONSTRUCTION ROUTES, EQUIPMENT PARKING AREAS.	FIRST LAND DISTURBING ACTIVITY - STABILIZE BARE AREAS IMMEDIATELY WITH GRAVEL AND TEMPORARY VEGETATION AS CONSTRUCTION TAKES PLACE.
5. SEDIMENT TRAPS AND BARRIERS - BASIN TRAPS, SEDIMENT FENCES, AND OUTLET PROTECTION.	INSTALL PRINCIPAL BASINS AFTER CONSTRUCTION SITE IS ACCESSED. INSTALL ADDITIONAL TRAPS AND BARRIERS AS NEEDED DURING GRADING.
6. RUNOFF CONTROL - DIVERSIONS, PERIMETER DIKES, WATER BARS, AND OUTLET PROTECTION.	INSTALL KEY PRACTICES AFTER PRINCIPAL SEDIMENT TRAPS AND BEFORE LAND GRADING. INSTALL ADDITIONAL RUNOFF-CONTROL MEASURES DURING GRADING.
7. RUNOFF CONVEYANCE SYSTEM- STABILIZE STREAM BANKS, STORM DRAINS, CHANNELS, INLET AND OUTLET PROTECTION, SLOPE DRAINS.	WHERE NECESSARY, STABILIZE STREAM BANKS AS EARLY AS POSSIBLE. INSTALL PRINCIPAL RUNOFF CONVEYANCE SYSTEM WITH RUNOFF-CONTROL MEASURES. INSTALL REMAINDER OF SYSTEM AFTER GRADING.
8. LAND CLEARING AND GRADING - SITE PREPARATION CUTTING, FILLING AND GRADING, SEDIMENTATION TRAPS, BARRIERS, DIVERSIONS, DRAINS, SURFACE ROUGHENING.	BEGIN MAJOR CLEARING AND GRADING AFTER PRINCIPAL SEDIMENT AND KEY RUNOFF-CONTROL MEASURES ARE INSTALLED. INSTALL ADDITIONAL CONTROL MEASURES AS GRADING PROGRESSES. MARK TREES AND BUFFER AREAS FOR PRESERVATION.
9. SURFACE STABILIZATION - TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIPRAP.	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.
10. BUILDING CONSTRUCTION- BUILDINGS UTILITIES, PAVING.	INSTALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES AS WORK TAKES PLACE.
11. LANDSCAPING AND FINAL STABILIZATION - TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING RIPRAP.	LAST CONSTRUCTION PHASE--STABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS. REMOVE AND STABILIZE ALL TEMPORARY CONTROL MEASURES.

ACTIVITY	MONTH											
	1	3	5	7	9	11	12	1	2	3	4	
PERIMETER BMPS												
SITE CLEARING												
TEMPORARY SEDIMENT CONTROL BMPS												
SITE GRADING												
TEMPORARY GRASSING												
UTILITY INSTALLATION												
ROAD CONSTRUCTION												
SITE PAVING												
BUILDING CONSTRUCTION												
PERMANENT GRASSING												
FINAL STABILIZATION/ BMP REMOVAL												
BMP MAINTENANCE												

ECO.2 YES

30. PROVIDE COMPLETE REQUIREMENTS OF INSPECTIONS AND RECORD KEEPING BY THE PRIMARY PERMITTEE. (PERMIT IV.D.4.a PG 31-33).
INSPECTIONS AND RECORD KEEPING
A. PRIMARY PERMITTEE:
1. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (a) ALL AREAS OF THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT. (b) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

2. MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

3. CERTIFIED PERSONAL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (a) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE. (b) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION. AND (c) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.a.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

4. CERTIFIED PERSONNEL (PROVIDED BY PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E. UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

5. BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

6. A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.a.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2 OF THIS PERMIT.

AN "EROSION & SEDIMENTATION INSPECTION AND MAINTENANCE REPORT" SHEET IS ATTACHED. SHOULD THE INSPECTION REVEAL ANY DEFICIENCIES, A COPY SHALL BE SENT TO:

LAMAR MERCER
THOMAS & HUTTON
50 PARK OF COMMERCE WAY
SAVANNAH, GA 31405
912.721.4141

ECO.2 YES

31. PROVIDE COMPLETE REQUIREMENTS OF SAMPLING FREQUENCY AND REPORTING OF SAMPLING RESULTS. (PART IV.D.6.d PG 35-37 & PART IV.E PG 37)
SAMPLING REQUIREMENTS. THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.
a. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:
(i) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (a) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (b) THE

RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION FOR THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP;
(2) A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;
(3) WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND
(4) ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.
b. SAMPLE TYPE. ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.
1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THE PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E. OF THE PERMIT.

c. SAMPLING POINTS: THERE WILL BE 2 STORM WATER SAMPLING LOCATIONS. THE SAMPLING LOCATION WILL BE THE DOWNSTREAM POINTS, PER NPDES PERMIT GAR 10000, FOR CONSTRUCTION ACTIVITIES, THE PRIMARY PERMITTEE MUST COMPLETE ALL SAMPLING.
1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S) OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALL(S) USING THE FOLLOWING MINIMUM GUIDELINES:
A. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
B. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
C. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNELS(S).
D. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
E. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
F. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
G. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A

DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).
A. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.
d. SAMPLING FREQUENCY
1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.
3. SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THE PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATIONS, WHICHEVER COMES FIRST;
C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.a.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
E. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.
*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.
REPORTING
1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART I.C BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
2. ALL SAMPLING REPORT SHALL INCLUDE THE FOLLOWING INFORMATION:
a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
c. THE DATE(S) ANALYSES WERE PERFORMED;
d. THE TIME(S) ANALYSES WERE INITIATED;
e. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR



NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA
HWY 80/ I-95 BEAUTIFICATION
EROSION CONTROL NOTES

JOB NO:	J-25396.I002
DATE:	8/18/21
DRAWN:	Bj
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	NOT TO SCALE

EC1.2

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST -
STAND ALONE CONSTRUCTION PROJECTS**

SWCD: COASTAL
PROJECT NAME: 25396.1002 - HWY 80/I-95 INTERCHANGE BEAUTIFICATION
CITY/COUNTY: POOLER/CHATHAM

ADDRESS: HWY 80 & I-95 INTERCHANGE, POOLER, GA 31322
DATE ON PLANS: 8/18/21
REVISED DATE:

- THE ANALYTICAL TECHNIQUES OR METHODS USED:
- g. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
 - h. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
 - i. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

EPD OFFICE:
COASTAL DISTRICT - BRUNSWICK OFFICE
GEORGIA ENVIRONMENTAL PROTECTION DIVISION
400 COMMERCE CENTER DR.
BRUNSWICK, GA 31523
(912)-264-7284

ECO.3 **YES** 32. PROVIDE COMPLETE DETAILS FOR RETENTION OF RECORDS AS PER PART IV.F. PG 38 OF THE PERMIT.

RETENTION OF RECORDS

- i. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOTICE OF TERMINATION IS SUBMITTED IN ACCORDANCE WITH PART VI.

- COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD.
- A COPY OF THE ES&PC PLAN REQUIRED IN PERMIT No. GAR 10000.
- THE DESIGN PROFESSIONALS REPORT OF THE THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5 IN PERMIT No. GAR 10000.
- A COPY OF ALL SAMPLING INFORMATION , RESULTS, AND REPORTS REQUIRED BY IN PERMIT No. GAR 10000.
- A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.g OF PERMIT No. GAR 10000.
- A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 IN PERMIT No. GAR 10000.
- DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.g.(2). IN PERMIT No. GAR 10000.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOTICE OF TERMINATION IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE GARIOOOO. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

ECO.3 **YES** 33. DESCRIPTION OF ANALYTICAL METHODS TO BE USED TO COLLECT AND ANALYZE THE SAMPLES FROM EACH LOCATION. (PERMIT IV.D.6.a.(3) PG 33-35)

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT EPA 833-8-92-001".

ECO.3 **YES** 34. APPENDIX B RATIONALE FOR NTU VALUES AT ALL OUTFALL SAMPLING POINTS WHERE APPLICABLE. (PERMIT IV.D.6.a.(3) PG 33)

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATIONS. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 50, THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT No. GARIOOOO. THE NTU IS BASED UPON THE DISCHARGE ACREAGE OF 4.88 ACRES FOR THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA OF LESS THAN 4.99 SQUARE MILES AND RECEIVING WATERS WHICH SUPPORTS WARM WATER FISHERIES. APPENDIX B WAS USED TO DETERMINE THE NTU ALLOWABLE AND DOWNSTREAM SAMPLING WILL BE PERFORMED FOR THIS PROJECT.

Appendix B
Nephelemetric Turbidity Unit (NTU) Table
Warm Water (Supporting Warm Water Fisheries)

Surface Water Drainage Area, square miles	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
100-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	100	100	200	300	750	750	750
50.01-100	50	50	100	100	150	300	600	600
100.01+	50	50	50	50	100	200	100	100

EC1-3.3 **YES** 35. DELINEATE ALL SAMPLING LOCATIONS, PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED. (PERMIT IV.D.6.a.(3) PG 33)

PLEASE SEE PLAN SHEETS FOR DELINEATION OF SAMPLING LOCATION, PERENNIAL, INTERMITTENT STREAMS AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED.

ECO.3 **YES** 36. A DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE INCLUDING (1) INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S, (2) INTERMEDIATE GRADING AND DRAINAGE BMP'S, AND (3) FINAL BMP'S. FOR CONSTRUCTION SITES WHERE THERE WILL BE NO MASS GRADING AND THE INITIAL PERIMETER CONTROL BMP'S, INTERMEDIATE GRADING AND DRAINAGE BMP'S, AND FINAL BMP'S ARE THE SAME, THE PLAN MAY COMBINE ALL OF THE BMP'S INTO A SINGLE PHASE. (PERMIT IV.D.3 PG 27)

INITIAL PHASE - THE INITIAL PHASE OF THE ES&PC PLAN WILL INCLUDE THE INSTALLATION OF THE CONSTRUCTION EXIT AND SILT FENCE. TYPE S SILT FENCE WILL BE USED. STORM PONDS AND DITCHES WILL BE CONSTRUCTED AND MAINTAINED DURING SITE CLEARING. DUST CONTROL AND MULCHING WILL BE IMPLEMENTED AS NECESSARY.

INTERMEDIATE PHASE - THE INTERMEDIATE GRADING AND DRAINAGE BMP'S WILL INCLUDE THE MAINTENANCE OF ALL SILT FENCE, STORM DRAIN OUTLET PROTECTION WILL BE INSTALLED AT DISCHARGE LOCATIONS. SEDIMENT INLET TRAPS WILL BE INSTALLED AND MAINTAINED AS INDICATED ON THE PLANS. DUST CONTROL, MULCHING, AND TEMPORARY SEEDING WILL BE IMPLEMENTED AS NECESSARY.

FINAL PHASE - THE FINAL GRADING AND DRAINAGE BMP'S WILL INCLUDE THE MAINTENANCE OF ALL SILT FENCE. STORM DRAIN OUTLET PROTECTION WILL BE MAINTAINED AT DISCHARGE LOCATIONS. SEDIMENT INLET TRAPS WILL BE INSTALLED AND MAINTAINED AS INDICATED ON THE PLANS. PERMANENT SEEDING WILL BE IMPLEMENTED FOR SITE STABILIZATION. ONCE THE SITE IS STABILIZED, ALL TEMPORARY BMP'S ARE TO BE REMOVED.

ALL **YES** 37. GRAPHIC SCALE AND NORTH ARROW.

GRAPHIC SCALE AND NORTH ARROW ARE LOCATED ON EACH PLAN SHEET.

EC1-3.3 **YES** 38. EXISTING AND PROPOSED CONTOUR LINES WITH CONTOUR LINES DRAWN AT AN INTERVAL IN ACCORDANCE WITH THE FOLLOWING:

EXISTING AND PROPOSED CONTOUR LINES DRAWN AT AN INTERVAL OF 1' ARE SHOWN ON EACH PLAN SHEET.

N/A 39. USE OF ALTERNATIVE BMP'S WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR TO CONVENTIONAL BMP'S AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION). PLEASE REFER TO THE ALTERNATIVE BMP GUIDANCE DOCUMENT FOUND AT www.gaswcc.org. (PERMIT IV.D.3.a(4) PG 29)

NOT APPLICABLE FOR THIS PROJECT.

N/A 40. USE OF ALTERNATIVE BMP FOR APPLICATION TO THE EQUIVALENT BMP LIST. PLEASE REFER TO APPENDIX A-2 OF THE MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA 2016 EDITION.

NOT APPLICABLE FOR THIS PROJECT.

EC1-3.3 **YES** 41. DELINEATION OF THE APPLICABLE 25-FOOT OR 50-FOOT UNDISTURBED BUFFERS ADJACENT TO STATE WATERS AND ANY ADDITIONAL BUFFERS REQUIRED BY THE LOCAL ISSUING AUTHORITY. CLEARLY NOTE AND DELINEATE ALL AREAS OF IMPACT. (PERMIT IV.D.2.g PG 27)

NOT APPLICABLE TO THIS PROJECT.

ALL **YES** 42. DELINEATION OF ON-SITE WETLANDS AND ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE.

NOT APPLICABLE TO THIS PROJECT.

ATTACHED **YES** 43. DELINEATION AND ACREAGE OF CONTRIBUTING DRAINAGE BASINS ON THE PROJECT SITE. (PERMIT IV.D.2.g PG 27)

ALL CONTRIBUTING DRAINAGE BASINS ON THE PROJECT SITE ARE CLEARLY DELINEATED ON IN THE PLANS.

ATTACHED **YES** 44. PROVIDE HYDROLOGY STUDY AND MAPS OF DRAINAGE BASINS FOR BOTH PRE- AND POST-DEVELOPMENT CONDITIONS.

EXISTING DRAINAGE PATTERNS AND INFRASTRUCTURE WILL NOT BE CHANGED BY THE PROPOSED SITE IMPROVEMENTS. NO ADDITIONAL ANALYSIS IS WARRANTED.

ECO.3 **YES** 45. AN ESTIMATE OF THE RUNOFF COEFFICIENT OR PEAK DISCHARGE FLOW OF THE SITE PRIOR TO AND AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED. (PERMIT IV.D.2.d PG 27)

RUNOFF COEFFICIENT: PRE-CONSTRUCTION CN = 80
POST-CONSTRUCTION CN = 80

EC2-1-3.3 **YES** 46. STORM-DRAIN PIPE AND WEIR VELOCITIES WITH APPROPRIATE OUTLET PROTECTION TO ACCOMMODATE DISCHARGES WITHOUT EROSION. IDENTIFY/DELINEATE ALL STORM WATER DISCHARGE POINTS.

THE RIP-RAP CHARTS CONTAIN THE STORMWATER VELOCITIES. THE STORMWATER DISCHARGE POINTS ARE INDICATED ON THE PLANS.



QUAD MAP RECEIVING WATERS
SCALE: 1" = 1000'

EC1-3.3 **YES** 47. SOIL SERIES FOR THE PROJECT SITE AND THEIR DELINEATION.

SOILS ARE DELINEATED ON THE EROSION CONTROL SHEETS. THE SOILS FOR THE SITE ARE Oj-Ocilla-B/D, Pn-Pooler-C/D, Waf-Wahee-C/D, Ok-Ogeechee-B/D, Cc-Cape Fear-C/D.

EC1-3.3 **YES** 48. THE LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION.

PLEASE SEE THE PLAN FOR THE DELINEATION OF THE LIMITS OF DISTURBANCE. THEY ARE THE SAME FOR ALL PHASES OF CONSTRUCTION.

ECO.3 **YES** 49. PROVIDE A MINIMUM OF 67 CUBIC YARDS OF SEDIMENT STORAGE PER ACRE DRAINED USING A TEMPORARY SEDIMENT BASIN, RETROFITTED DETENTION POND, AND/OR EXCAVATED INLET SEDIMENT TRAPS FOR EACH COMMON DRAINAGE LOCATION. SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO AND DURING ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED. A WRITTEN JUSTIFICATION EXPLAINING THE DECISION TO USE EQUIVALENT CONTROLS WHEN A SEDIMENT BASIN IS NOT ATTAINABLE MUST BE INCLUDED IN THE PLAN FOR EACH COMMON DRAINAGE LOCATION IN WHICH A SEDIMENT BASIN IS NOT PROVIDED. A WRITTEN JUSTIFICATION AS TO WHY 67 CUBIC YARDS OF STORAGE IS NOT ATTAINABLE MUST ALSO BE GIVEN. WORKSHEETS FROM THE MANUAL MUST BE INCLUDED FOR STRUCTURAL BMP'S AND ALL CALCULATIONS USED BY THE STORAGE DESIGN PROFESSIONAL TO OBTAIN THE REQUIRED SEDIMENT WHEN USING EQUIVALENT CONTROLS. WHEN DISCHARGING FROM SEDIMENT BASINS AND IMPOUNDMENTS, PERMITTEES ARE REQUIRED TO UTILIZE OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE, UNLESS INFEASIBLE. IF OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE ARE NOT FEASIBLE, A WRITTEN JUSTIFICATION EXPLAINING THIS DECISION MUST BE INCLUDED IN THE PLAN. (PERMIT IV.D.3.a.(3) PG 28)

THE SEDIMENT STORAGE REQUIREMENT WILL BE ACHIEVED UTILIZING SILT FENCE AS TEMPORARY SEDIMENT TRAPS.

REQUIRED SEDIMENT STORAGE - 4.88 AC X 67 CY/AC = 367 CY

SILT FENCE 1 (1334 LF @ 7.5 CF OF STORAGE/LF)
10,005 CF X 0.037 CY/CF = 370 CY

SILT FENCE 2 (1215 LF @ 7.5 CF OF STORAGE/LF)
9,112 CF X 0.037 CY/CF = 337 CY

SILT FENCE 3 (938 LF @ 7.5 CF OF STORAGE/LF)
7,035 CF X 0.037 CY/CF = 260 CY

SILT FENCE 4 (1104 LF @ 7.5 CF OF STORAGE/LF)
8,280 CF X 0.037 CY/CF = 306 CY

SILT FENCE STORAGE PROVIDED:

370 + 337 + 260 + 306 = 1,273 CY
1,273 CY EXCEEDS THE REQUIRED STORAGE OF 367 CY

EC1-3.3 **YES**

50. LOCATION OF BEST MANAGEMENT PRACTICES THAT ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. USE UNIFORM CODING SYMBOLS FROM THE MANUAL, CHAPTER 6, WITH LEGEND.

PLEASE SEE THE PLAN SHEETS FOR THE LOCATION OF BEST MANAGEMENT PRACTICES THAT ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA USING THE UNIFORM CODING SYMBOLS FROM THE MANUAL, CHAPTER 6 WITH ACCOMPANYING LEGEND.

EC4-1-4.2 **YES**

51. PROVIDE DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES. SPECIFICATIONS MUST, AT A MINIMUM, MEET THE GUIDELINES SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

PLEASE SEE THE DETAIL SHEET FOR DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES WITH SPECIFICATIONS MEETING THE GUIDELINES SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

EC4-1-4.2 **YES**

52. PROVIDE VEGETATIVE PLAN, NOTING ALL TEMPORARY AND PERMANENT VEGETATIVE PRACTICES, INCLUDE SPECIES, PLANTING DATES AND SEEDING, FERTILIZER, LIME AND MULCHING RATES. VEGETATIVE PLAN SHALL BE SITE SPECIFIC FOR APPROPRIATE TIME OF YEAR THAT SEEDING WILL TAKE PLACE AND FOR APPROPRIATE GEOGRAPHIC REGION OF GEORGIA.

PLEASE SEE THE PLAN AND DETAIL SHEETS FOR THE VEGETATIVE PLAN NOTING ALL TEMPORARY AND PERMANENT VEGETATIVE PRACTICES INCLUDING SPECIES, PLANTING DATES AND SEEDING, FERTILIZER, LIME AND MULCHING RATES. THIS PLAN IS SPECIFIC TO THE SITE AND APPROPRIATE FOR TIME OF YEAR THAT SEEDING WILL TAKE PLACE AND FOR THE APPROPRIATE GEOGRAPHIC REGION OF GEORGIA.

EFFECTIVE JANUARY 1, 2022



NO.	REVISED PER GSWCC COMMENTS	DATE	BY
3		5/2/23	SGJ

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA
HWY 80/ I-95 BEAUTIFICATION
EROSION CONTROL NOTES

JOB NO:	J-25396.1002
DATE:	8/18/21
DRAWN:	CEJ
DESIGNED:	CEJ
REVIEWED:	RPT
SCALE:	AS SHOWN

EC1.3

2:23PM 03/16/2023 10:00AM C:\PROJECTS\1002\CONSTRUCTION\PLAN\25396\1002_EC2.PLD - May 2, 2023 1:44 PM



N/F CHATHAM COUNTY

N/F DIA SURI LLC

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 36"
 FLOW RATE (CFS): 28.023
 VELOCITY (FPS): 5.77 FPS
 TAILWATER CONDITION: -0.5/0.8
 (MIN. or MAX.)
 MIN. RIPRAP SIZE: 0.5
 MAX. RIPRAP SIZE: 0.75
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 12
 Wx: 12
 Widened: 15.5

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.023
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5/0.8
 (MIN. or MAX.)
 MIN. RIPRAP SIZE: 0.5
 MAX. RIPRAP SIZE: 0.75
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 12
 Wx: 12
 Widened: 22

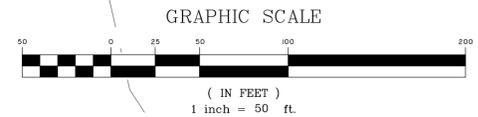
OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.023
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5/0.8
 (MIN. or MAX.)
 MIN. RIPRAP SIZE: 0.5
 MAX. RIPRAP SIZE: 0.75
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 12
 Wx: 12
 Widened: 22

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.023
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5/0.8
 (MIN. or MAX.)
 MIN. RIPRAP SIZE: 0.5
 MAX. RIPRAP SIZE: 0.75
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 12
 Wx: 12
 Widened: 22

NOTE: APPROXIMATE LIMITS OF GDOT LANE IMPROVEMENTS AS PROVIDED BY GDOT FOR FUTURE CONSTRUCTION



NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION I50 AS WELL AS MUTCD

GSWCC LEVEL II
 DESIGN PROFESSIONAL
 CERTIFICATION #
 000002465
 EXPIRES : 7/7/2024

NO.	REVISIONS	BY	DATE
3	REVISED PER GSWCC COMMENTS	SGJ	5/2/23

THOMAS & HUTTON

50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

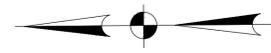
CITY OF POOLER
 POOLER, GA

HWY 80/ I-95 BEAUTIFICATION
 EROSION CONTROL PLAN - INITIAL

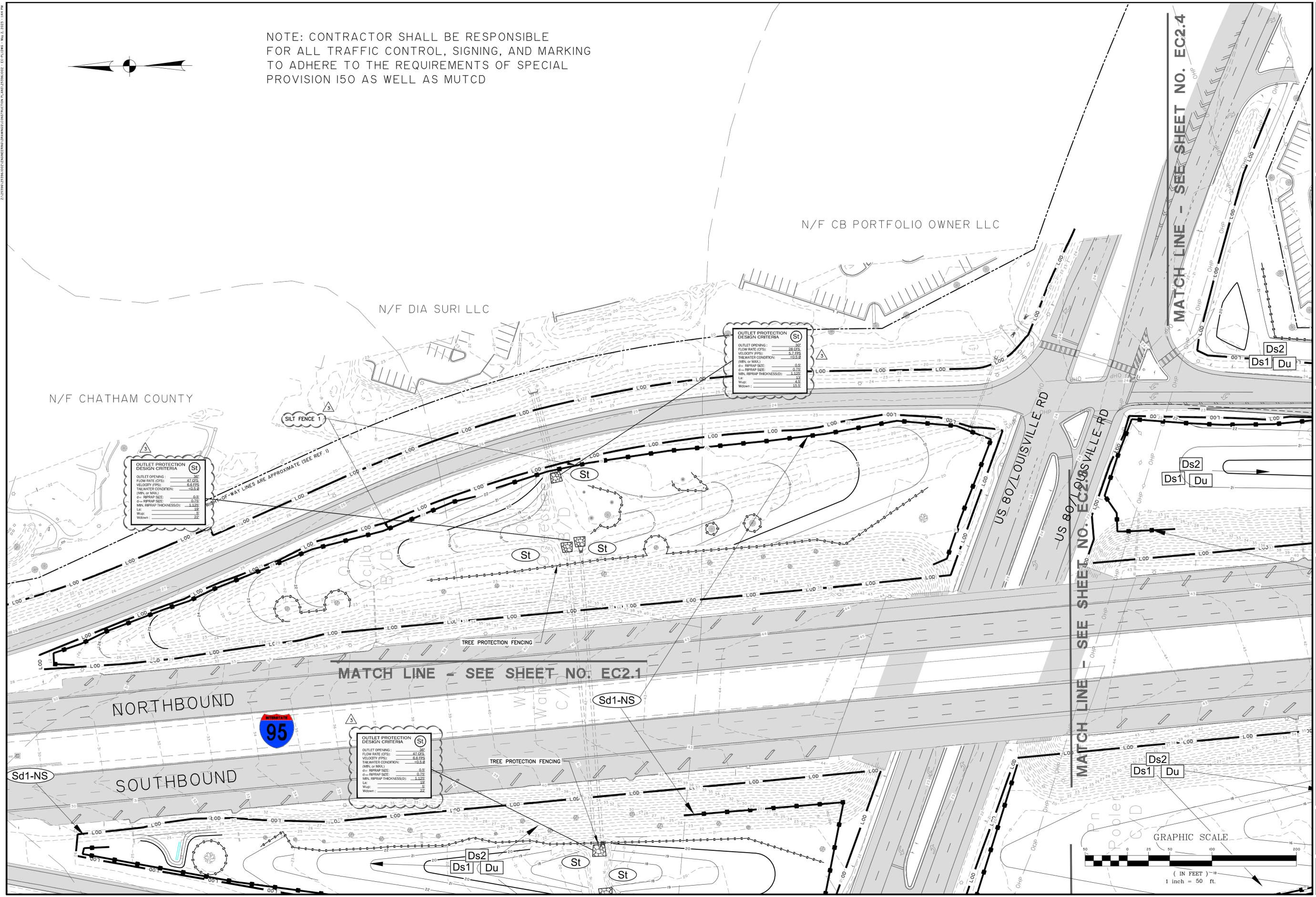
JOB NO:	J-25396.1002
DATE:	8/16/21
DRAWN:	CET
DESIGNED:	CET
REVIEWED:	RPT
APPROVED:	RPT
SCALE:	1" = 50'

EC2.1

2:23PM 05/23/2024 C:\PROJECTS\CONSTRUCTION\PLANS\25396\02 - EC2.4.DWG - May 2, 2024 1:44 PM



NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD



OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING:	30"
FLOW RATE (FPS):	47.253
VELOCITY (FPS):	6.6 FPS
TAILWATER CONDITION:	-0.5 ft
MIN. or MAX.:	0.0
g = RIPRAP SIZE:	0.75
MIN. RIPRAP THICKNESS:	1.125
Lx:	12
Wx:	22
Wx/W:	1.83

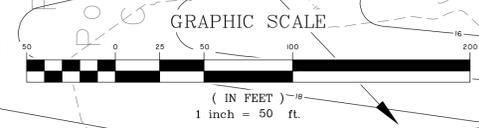
RIGHT-OF-WAY LINES ARE APPROXIMATE (SEE REF. 1)

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING:	30"
FLOW RATE (FPS):	28.032
VELOCITY (FPS):	5.7 FPS
TAILWATER CONDITION:	-0.5 ft
MIN. or MAX.:	0.0
g = RIPRAP SIZE:	0.75
MIN. RIPRAP THICKNESS:	1.125
Lx:	12
Wx:	22
Wx/W:	1.83

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING:	30"
FLOW RATE (FPS):	47.253
VELOCITY (FPS):	6.6 FPS
TAILWATER CONDITION:	-0.5 ft
MIN. or MAX.:	0.0
g = RIPRAP SIZE:	0.75
MIN. RIPRAP THICKNESS:	1.125
Lx:	12
Wx:	22
Wx/W:	1.83



GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #
000002465
EXPIRES : 7/7/2024

NO.	REVISIONS	BY	DATE
3	REVISED PER GSWCC COMMENTS	SGJ	5/2/23
1	REVISED PER INTERNAL REVIEW	DKW	10/4/22

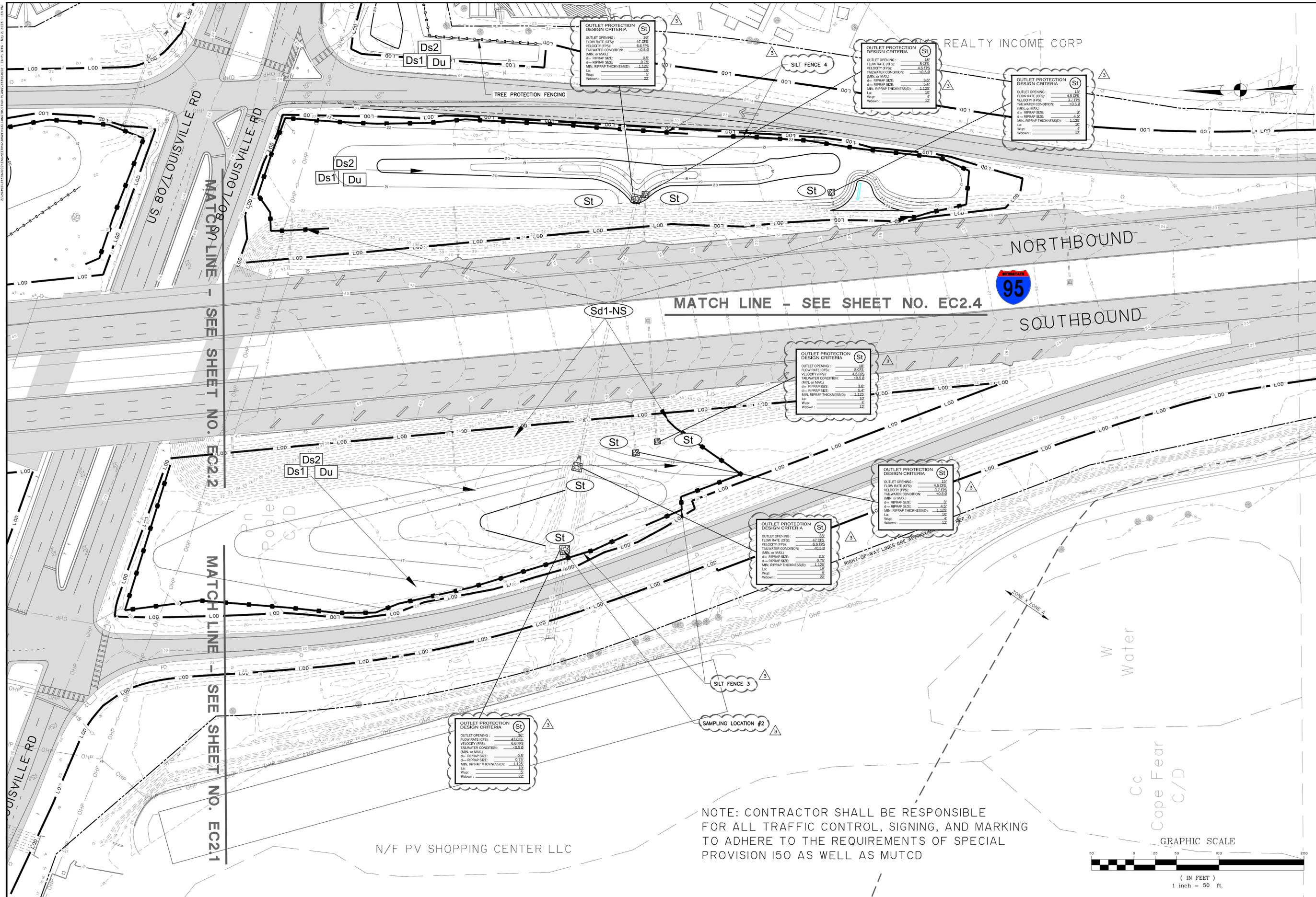
THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA

HWY 80/ I-95 BEAUTIFICATION
EROSION CONTROL PLAN - INITIAL

JOB NO:	J-25396.1002
DATE:	8/16/21
DRAWN:	CET
DESIGNED:	CET
REVIEWED:	RPT
APPROVED:	RPT
SCALE:	1" = 50'

EC2.2



OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5 ft
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 12
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 8.025
 VELOCITY (FPS): 4.5 FPS
 TAILWATER CONDITION: -0.5 ft
 (MIN. or MAX.)
 d= RIPRAP SIZE: 3.6
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 12
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 4.525
 VELOCITY (FPS): 3.7 FPS
 TAILWATER CONDITION: -0.5 ft
 (MIN. or MAX.)
 d= RIPRAP SIZE: 3
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 12
 Wdown: 22

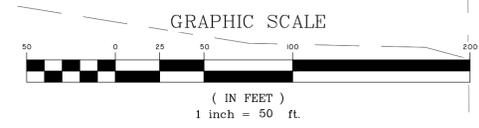
OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 4.525
 VELOCITY (FPS): 4.5 FPS
 TAILWATER CONDITION: -0.5 ft
 (MIN. or MAX.)
 d= RIPRAP SIZE: 3.6
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 12
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 4.525
 VELOCITY (FPS): 3.7 FPS
 TAILWATER CONDITION: -0.5 ft
 (MIN. or MAX.)
 d= RIPRAP SIZE: 3
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 12
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5 ft
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 12
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5 ft
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 12
 Wdown: 22

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD



GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # 000002465 EXPIRES: 7/7/2024

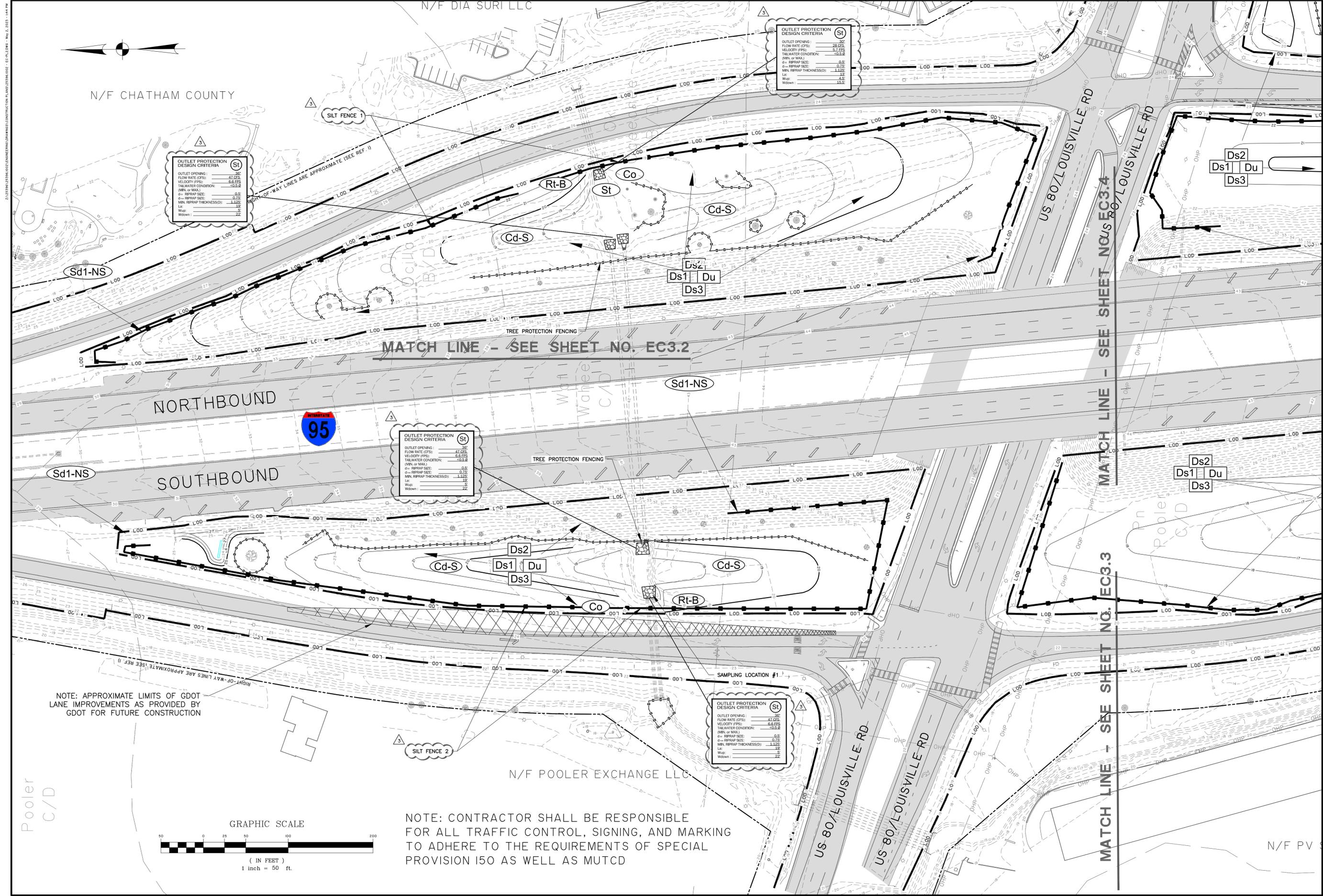
NO.	REVISIONS	BY	DATE
3	REVISED PER GSWCC COMMENTS	SEJ	5/2/23
1	REVISED PER INTERNAL REVIEW	DKW	10/4/22

THOMAS & HUTTON
 50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

CITY OF POOLER
 POOLER, GA
 HWY 80/1-95 BEAUTIFICATION
 EROSION CONTROL PLAN - INITIAL

JOB NO:	J-25396.002
DATE:	8/16/21
DRAWN:	CET
DESIGNED:	CET
REVIEWED:	RPT
APPROVED:	RPT
SCALE:	1" = 50'

EC2.3



N/F CHATHAM COUNTY

N/F DIA SURI LLC

N/F POOLER EXCHANGE LLC

N/F PV

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5 B
 (MIN. or MAX.): 0.5
 RIPPAP SIZE: 0.75"
 MIN. RIPPAP THICKNESS: 1.125"
 LE: 12"
 WHP: 1"
 WIDEN: 22"

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5 B
 (MIN. or MAX.): 0.5
 RIPPAP SIZE: 0.75"
 MIN. RIPPAP THICKNESS: 1.125"
 LE: 12"
 WHP: 1"
 WIDEN: 22"

OUTLET PROTECTION DESIGN CRITERIA (St)

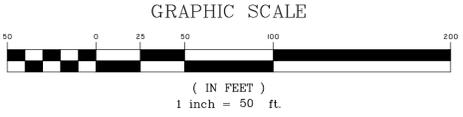
OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5 B
 (MIN. or MAX.): 0.5
 RIPPAP SIZE: 0.75"
 MIN. RIPPAP THICKNESS: 1.125"
 LE: 12"
 WHP: 1"
 WIDEN: 22"

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: -0.5 B
 (MIN. or MAX.): 0.5
 RIPPAP SIZE: 0.75"
 MIN. RIPPAP THICKNESS: 1.125"
 LE: 12"
 WHP: 1"
 WIDEN: 22"

NOTE: APPROXIMATE LIMITS OF GDOT LANE IMPROVEMENTS AS PROVIDED BY GDOT FOR FUTURE CONSTRUCTION

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD



GSWCC LEVEL II
 DESIGN PROFESSIONAL
 CERTIFICATION #
 000002465
 EXPIRES : 7/7/2024

NO.	REVISIONS	BY	DATE
3	REVISED PER GSWCC COMMENTS	SGJ	5/2/23
1	REVISED PER INTERNAL REVIEW	DKW	10/4/22

THOMAS & HUTTON
 50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

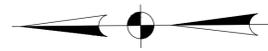
CITY OF POOLER
 POOLER, GA

HWY 80/ 1-95 BEAUTIFICATION

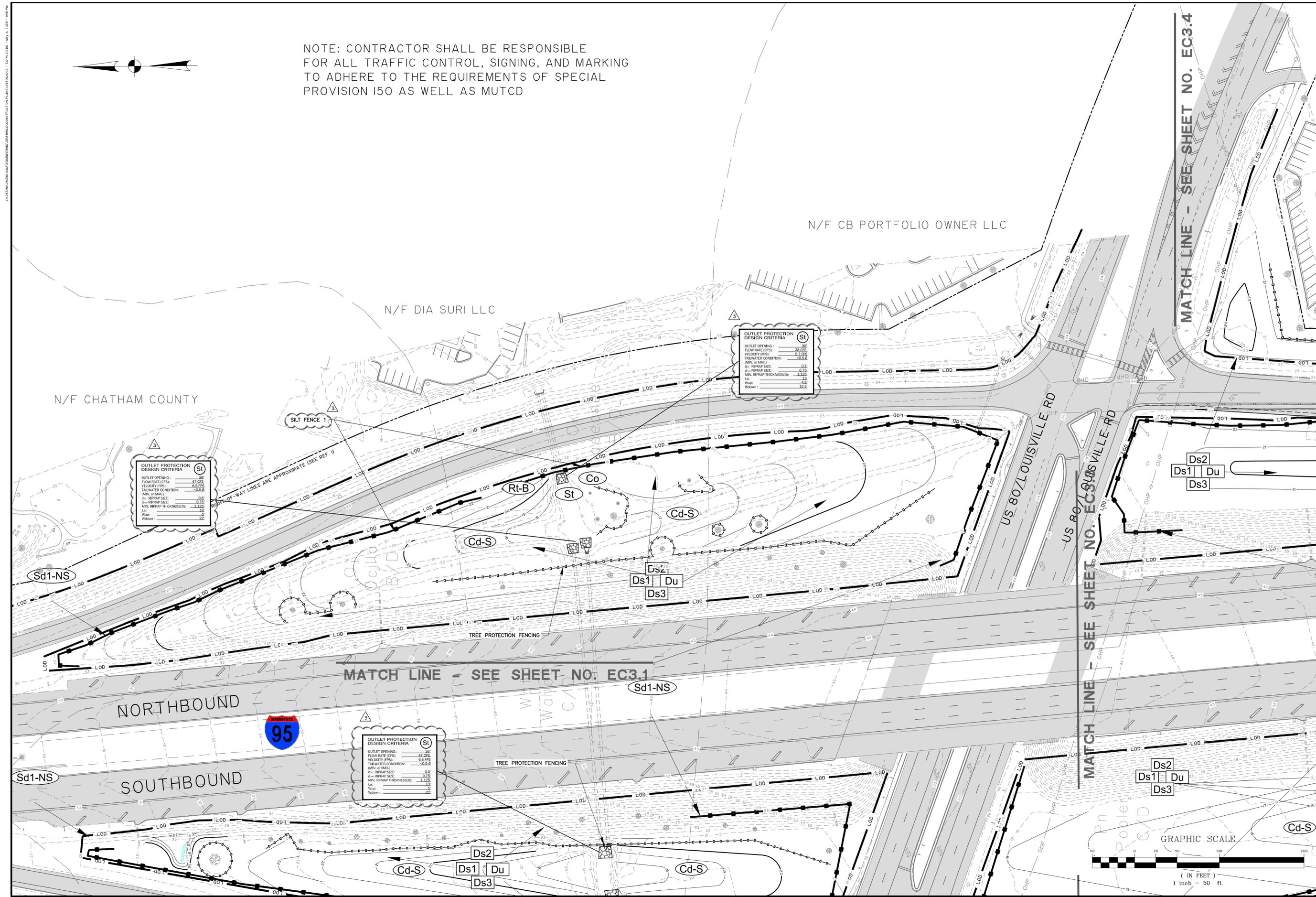
EROSION CONTROL PLAN - FINAL

JOB NO:	J-25396.002
DATE:	8/16/21
DRAWN:	BJ
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	1" = 50'

EC3.1



NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD



OUTLET PROTECTION DESIGN CRITERIA (St)

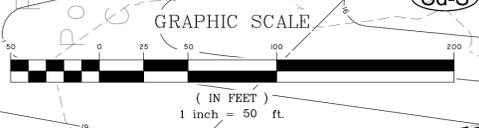
OUTLET OPENING: 30"
 FLOW RATE (FPS): 47.253
 VELOCITY (FPS): 6.6253
 TAILWATER CONDITION: $-0.5.8$
 MIN. or MAX.:
 R: RIPRAP SIZE: 0.75
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 12
 Wx: 12
 Wx/W: 22

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 30"
 FLOW RATE (FPS): 28.025
 VELOCITY (FPS): 5.7453
 TAILWATER CONDITION: $-0.5.8$
 MIN. or MAX.:
 R: RIPRAP SIZE: 0.75
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 12
 Wx: 12
 Wx/W: 16.2

OUTLET PROTECTION DESIGN CRITERIA (St)

OUTLET OPENING: 30"
 FLOW RATE (FPS): 47.253
 VELOCITY (FPS): 6.6253
 TAILWATER CONDITION: $-0.5.8$
 MIN. or MAX.:
 R: RIPRAP SIZE: 0.75
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 12
 Wx: 12
 Wx/W: 22



GSWCC LEVEL II
 DESIGN PROFESSIONAL
 CERTIFICATION #
 000002465
 EXPIRES : 7/7/2024

NO.	REVISED PER GSWCC COMMENTS	BY	DATE
3		SGJ	5/2/23

THOMAS & HUTTON

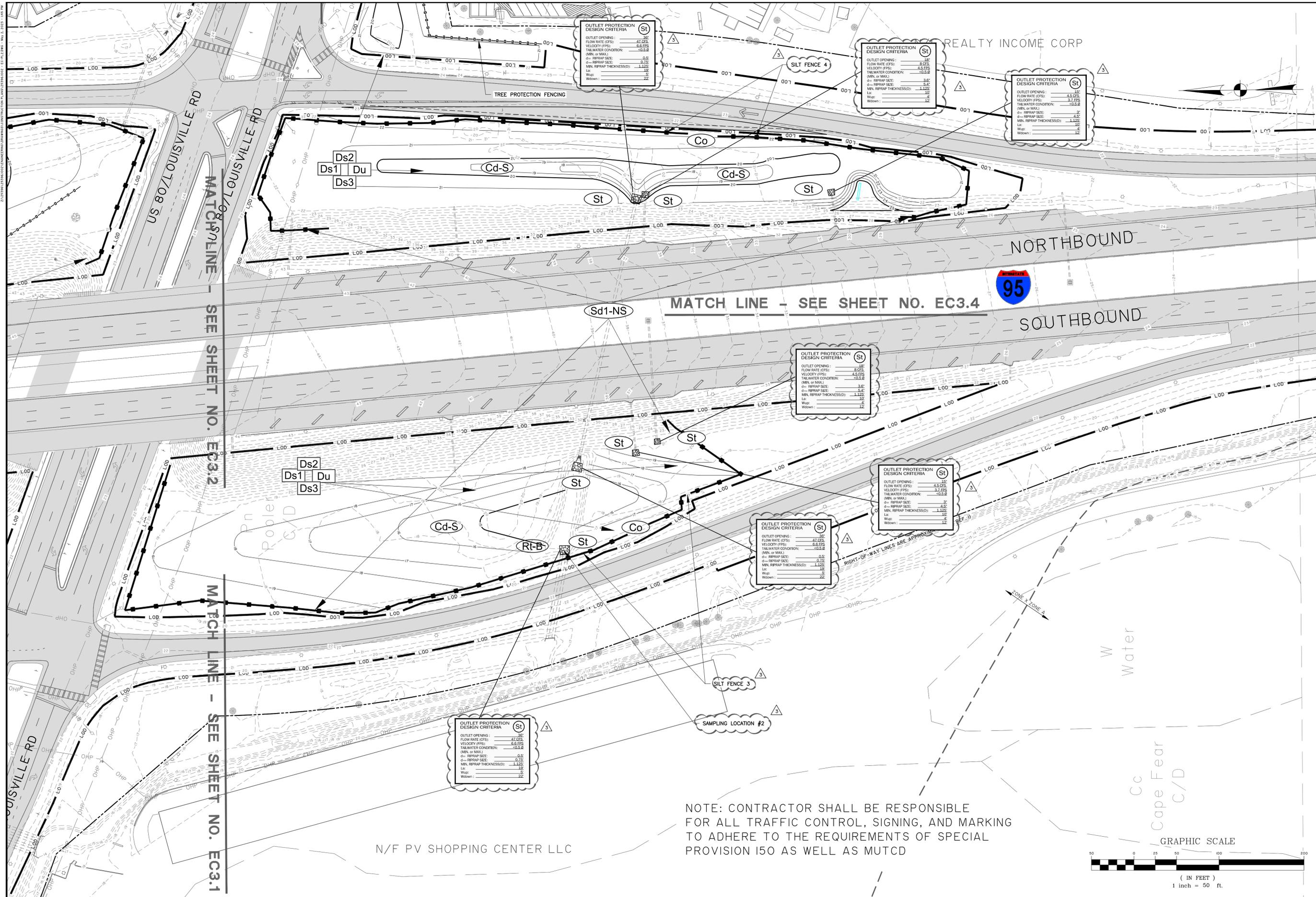
50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

CITY OF POOLER
 POOLER, GA

HWY 80/ I-95 BEAUTIFICATION
 EROSION CONTROL PLAN - FINAL

JOB NO: J-25396.002
 DATE: 8/16/21
 DRAWN: CET
 DESIGNED: CET
 REVIEWED: RPT
 APPROVED: RPT
 SCALE: 1" = 50'

EC3.2



OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: $-0.5 \pm$
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 19
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: $-0.5 \pm$
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 19
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: $-0.5 \pm$
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 19
 Wdown: 22

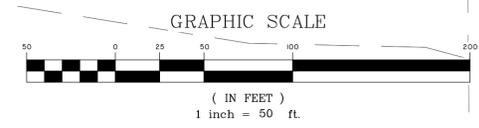
OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: $-0.5 \pm$
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 19
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: $-0.5 \pm$
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 19
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: $-0.5 \pm$
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 19
 Wdown: 22

OUTLET PROTECTION DESIGN CRITERIA (St)
 OUTLET OPENING: 36"
 FLOW RATE (CFS): 47.025
 VELOCITY (FPS): 6.6 FPS
 TAILWATER CONDITION: $-0.5 \pm$
 (MIN. or MAX.)
 d= RIPRAP SIZE: 0.5
 MIN. RIPRAP THICKNESS: 1.125
 Lx: 6
 Wx: 19
 Wdown: 22

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD



GSWCC LEVEL II
 DESIGN PROFESSIONAL
 CERTIFICATION #
 000002465
 EXPIRES: 7/7/2024

NO.	REVISED PER GSWCC COMMENTS	BY	DATE
3			5/2/23

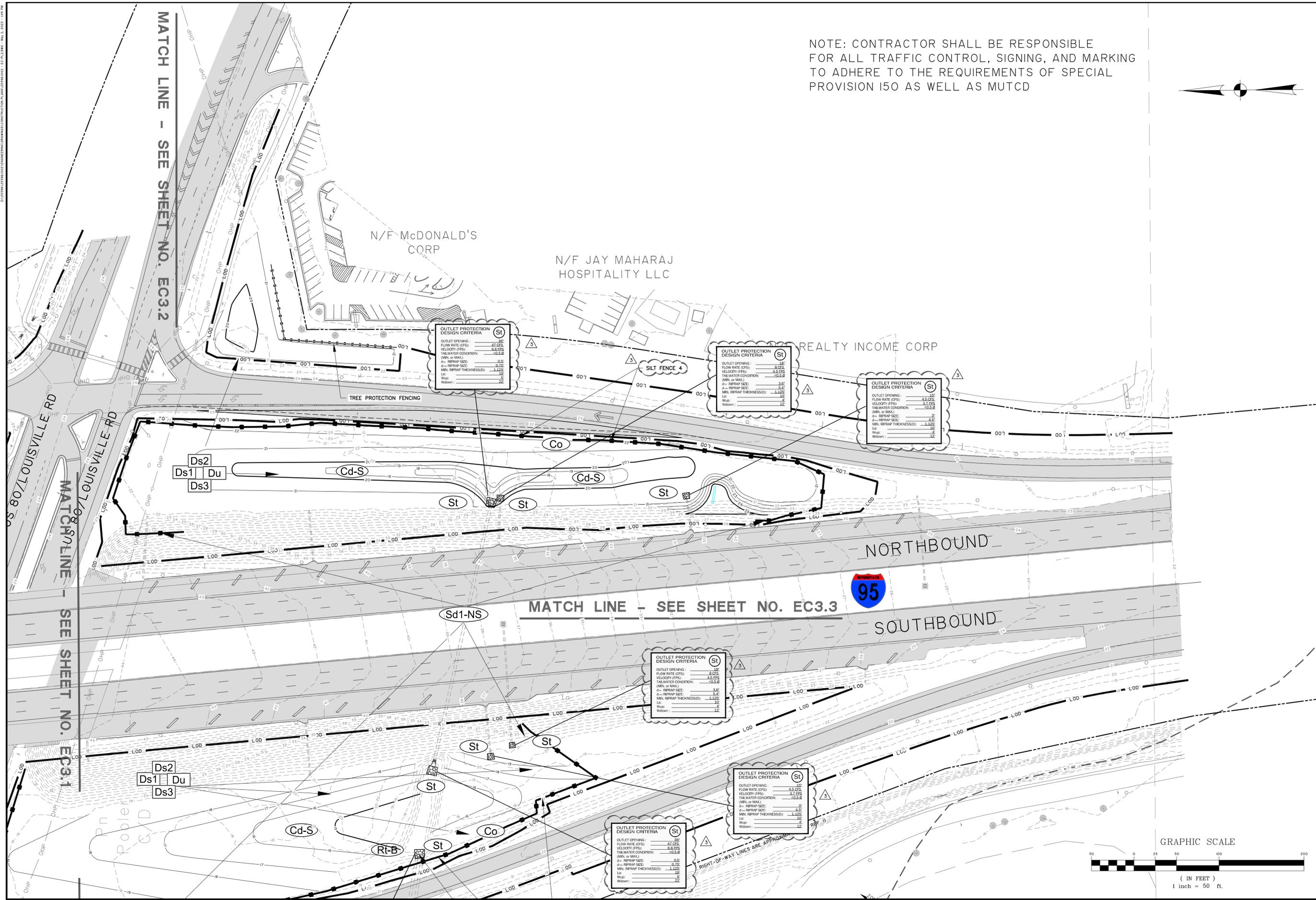
THOMAS & HUTTON
 50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

CITY OF POOLER
 POOLER, GA
 HWY 80/ 1-95 BEAUTIFICATION
EROSION CONTROL PLAN - FINAL

JOB NO.:	J-25396.002
DATE:	8/16/21
DRAWN:	BJ
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	1" = 50'

EC3.3

7:23396102394.00001 (UNREGISTERED) DRAWING INFORMATION PLAN: J-253961002 - EC3.2.DWG - May 2, 2023 - 1:04 PM



NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD



GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #
000002465
EXPIRES : 7/7/2024

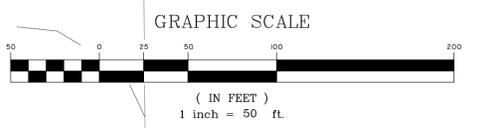
NO.	REVISIONS	BY	DATE
3	REVISED PER GSWCC COMMENTS	SKJ	5/2/23
1	REVISED PER INTERNAL REVIEW	DKW	10/4/22

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

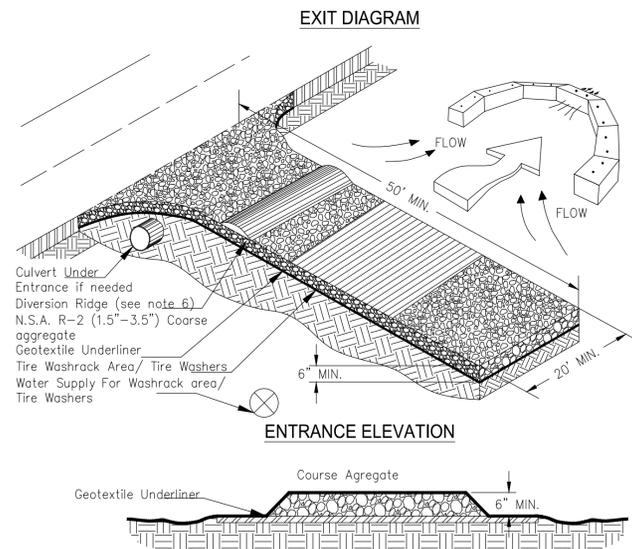
CITY OF POOLER
POOLER, GA
HWY 80/ I-95 BEAUTIFICATION
EROSION CONTROL PLAN - FINAL

JOB NO:	J-253961002
DATE:	8/16/21
DRAWN:	BJ
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	1" = 50'

EC3.4

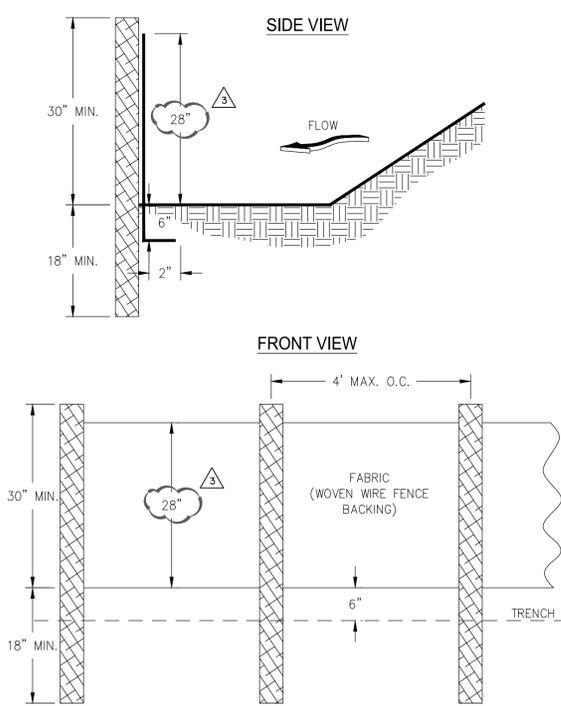


CRUSHED STONE CONSTRUCTION EXIT (Co)



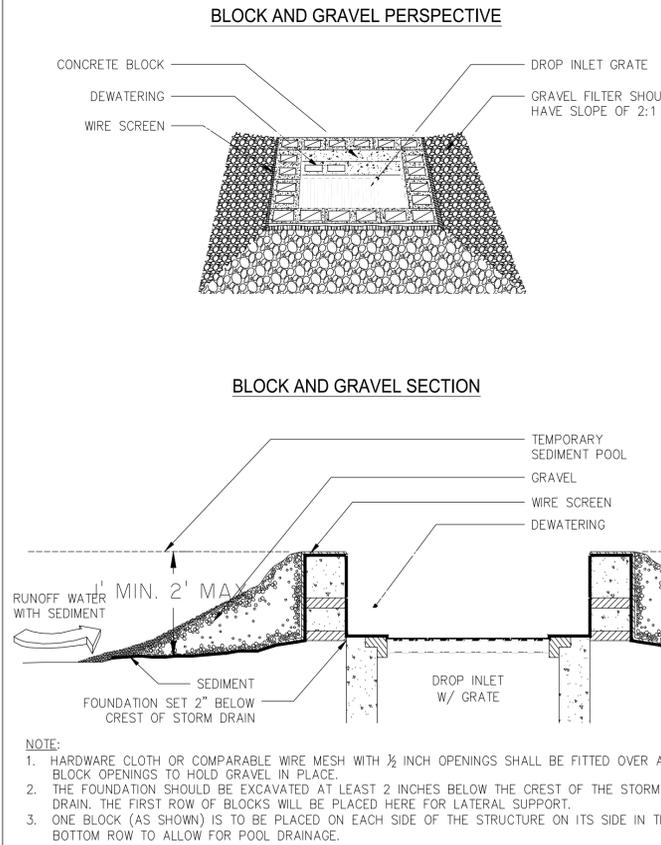
- NOTES:**
- AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 - REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 - AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 - GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 - PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 - A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 - INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 - WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 - WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 - MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

SILT FENCE - TYPE NON-SENSITIVE (Sd1-NS)

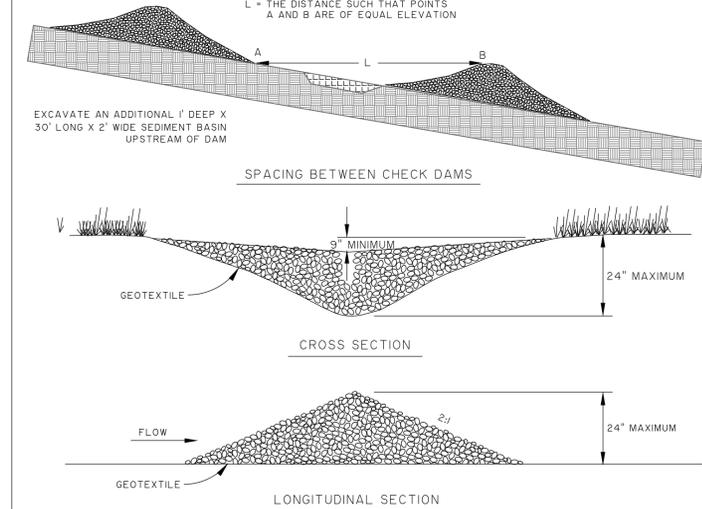


- NOTES:**
- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 - HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

BLOCK AND GRAVEL DROP INLET PROTECTION (Sd2-G)



- NOTE:**
- HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2 INCH OPENINGS SHALL BE FITTED OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
 - THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. THE FIRST ROW OF BLOCKS WILL BE PLACED HERE FOR LATERAL SUPPORT.
 - ONE BLOCK (AS SHOWN) IS TO BE PLACED ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW FOR POOL DRAINAGE.



- NOTE:**
- STONE TO BE GRADED SIZE 2-10 INCH STONE. MECHANICAL OR HAND PLACEMENT SHALL BE REQUIRED TO INSURE COMPLETE COVERAGE OF ENTIRE WIDTH OF DITCH OR SWALE AND THAT CENTER OF DAM IS LOWER THAN EDGES.
 - PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF THE ORIGINAL DAM HEIGHT OR BEFORE. CHECK DAMS MUST BE REMOVED AT THE COMPLETION OF THEIR USEFUL LIFE. AFTER REMOVAL, THE AREA BENEATH THE DAM SHOULD BE SEEDED AND MULCHED IMMEDIATELY.
 - THIS PRACTICE IS APPLICABLE FOR USE IN SMALL OPEN CHANNELS AND IS NOT TO BE USED IN A LIVE CHANNEL.

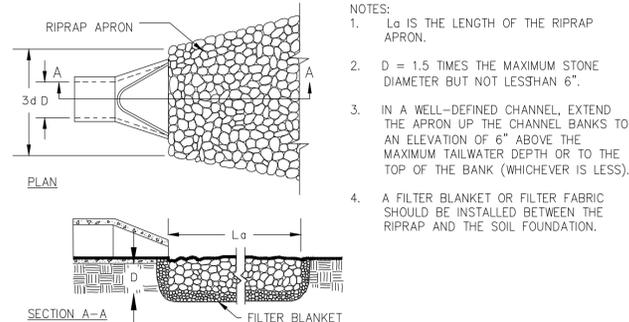
CHECK DAM-STONE

NOT TO SCALE

(Cd-S)

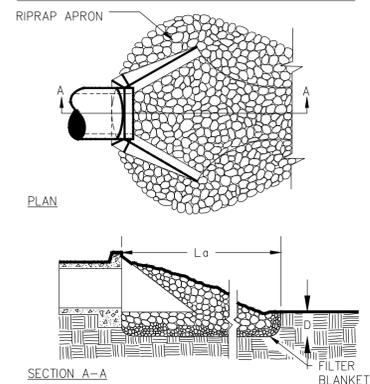
RIPRAP OUTLET PROTECTION (St)

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



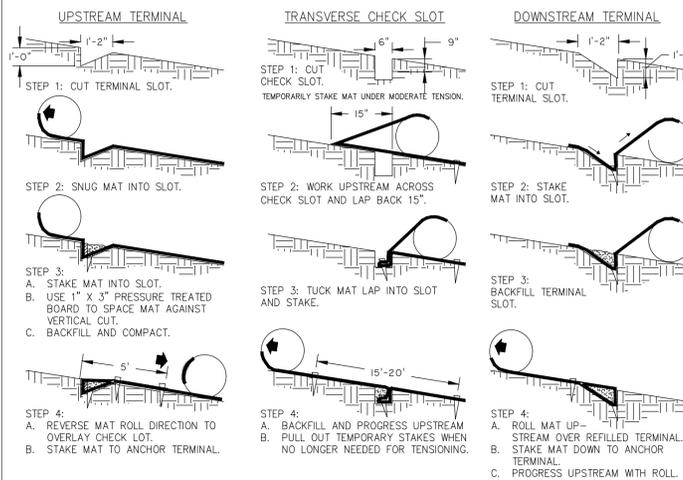
- NOTES:**
- L_0 IS THE LENGTH OF THE RIPRAP APRON.
 - $D = 1.5$ TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 - IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
 - A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

PIPE OUTLET TO WELL DEFINED CHANNEL

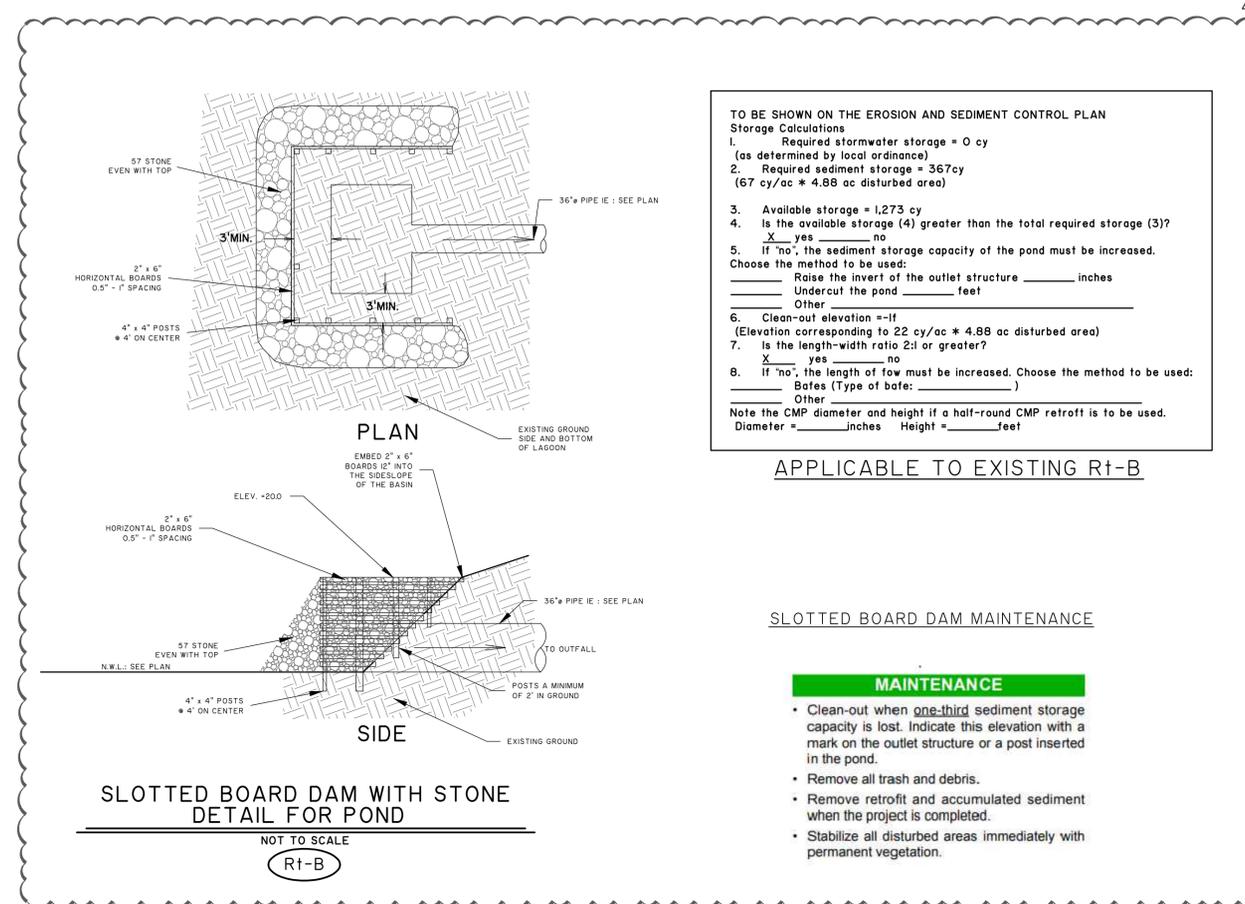


TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP) (Ss)

BLANKET AND MATTING CROSS-SECTIONS



- NOTES:**
- START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
 - FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
 - SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
 - WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
 - USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
 - USE 3" OVERLAPS AND SINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.



SLOTTED BOARD DAM WITH STONE DETAIL FOR POND

NOT TO SCALE

(Rt-B)

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

Storage Calculations

- Required stormwater storage = 0 cy (as determined by local ordinance)
- Required sediment storage = 367cy (67 cy/ac * 4.88 ac disturbed area)
- Available storage = 1,273 cy
- Is the available storage (4) greater than the total required storage (3)?
 yes no
- If "no", the sediment storage capacity of the pond must be increased. Choose the method to be used:
 Raise the invert of the outlet structure _____ inches
 Undercut the pond _____ feet
 Other _____
- Clean-out elevation = -11 (Elevation corresponding to 22 cy/ac * 4.88 ac disturbed area)
- Is the length-width ratio 2:1 or greater?
 yes no
- If "no", the length of flow must be increased. Choose the method to be used:
 Other (Type of baffle: _____)
 Note the CMP diameter and height if a half-round CMP retrofit is to be used.
 Diameter = _____ inches Height = _____ feet

APPLICABLE TO EXISTING Rt-B

SLOTTED BOARD DAM MAINTENANCE

- MAINTENANCE**
- Clean-out when one-third sediment storage capacity is lost. Indicate this elevation with a mark on the outlet structure or a post inserted in the pond.
 - Remove all trash and debris.
 - Remove retrofit and accumulated sediment when the project is completed.
 - Stabilize all disturbed areas immediately with permanent vegetation.

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # 000002465 EXPIRES: 7/1/2024

NO.	REVISED PER GSWCC COMMENTS	BY	DATE
1			
2			
3			
4			

THOMAS & HUTTON

50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA

HWY 80/ I-95 BEAUTIFICATION

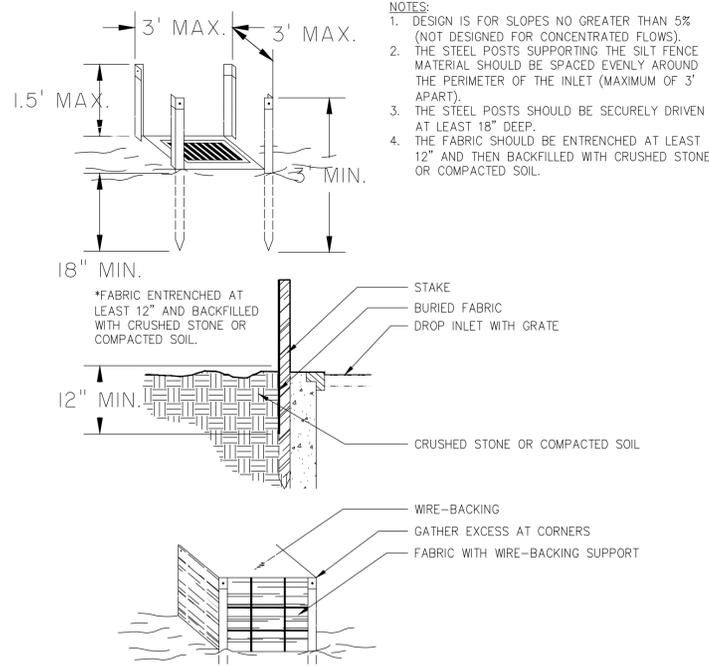
EROSION CONTROL DETAILS

JOB NO: J-25396.1002
DATE: 8/16/21
DRAWN: BJ
DESIGNED: FIT
REVIEWED: FIT
APPROVED: JLM
SCALE: NOT TO SCALE

EC4.1

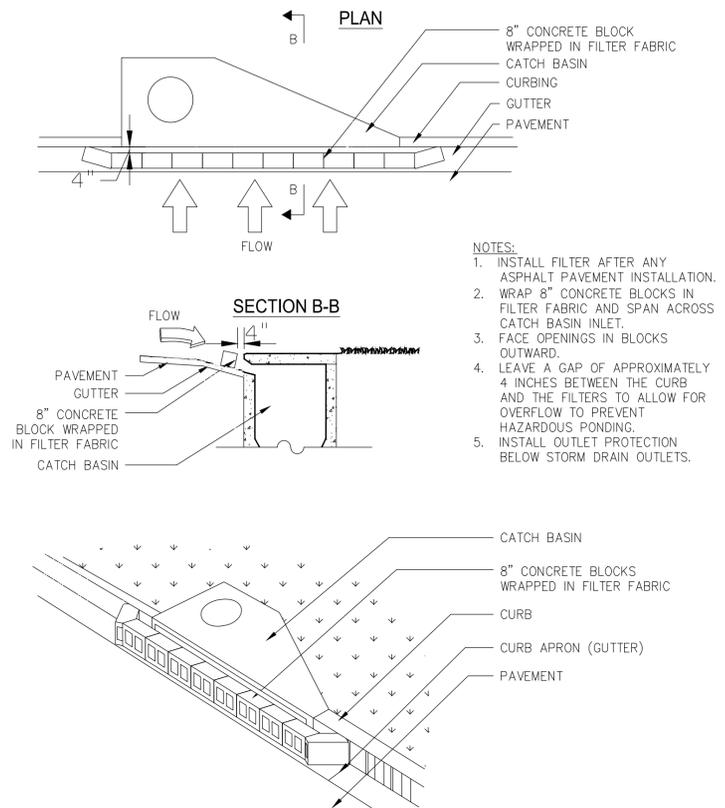
FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION (Sd2-F)

STEEL FRAME AND SILT FENCE INSTALLATION



- NOTES:**
- DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
 - THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
 - THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
 - THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

CURB INLET FILTER "PIGS IN BLANKET" (Sd2-P)



- NOTES:**
- INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
 - WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
 - FACE OPENINGS IN BLOCKS OUTWARD.
 - LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
 - INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

SEEDING RATES FOR TEMPORARY & PERMANENT COVER

MONTH	TEMPORARY COVER	RATE PER ACRE		PERMANENT COVER	RATE PER ACRE	
		SEEDED ALONE	ADDED TO MIX		SEEDED ALONE	ADDED TO MIX
JANUARY	* LESPEDEZA, ANNUAL * RYE * RYEGRASS, ANNUAL * WHEAT	40 lbs. 3 bu. 40 lbs. 3 bu.	10 lbs. 5 bu. 5 bu.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SERICEA 1	60 lbs. 10 lbs. 75 lbs.	30 lbs. 6 lbs. -
FEBRUARY	* LESPEDEZA, ANNUAL * LOVEGRASS, WEEPING * RYE * RYEGRASS, ANNUAL	40 lbs. 4 lbs. 3 bu. 40 lbs.	10 lbs. 2 lbs. 5 bu.	* BAHIA, PENSACOLA CENTIPEDE, SOD LESPEDEZA, SEDICEA 1 * LESPEDEZA, SEDICEA 2 * LOVEGRASS, WEEPING	60 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. -
MARCH	* LESPEDEZA, ANNUAL * LOVEGRASS, WEEPING * RYEGRASS, ANNUAL * SUDANGRASS	40 lbs. 4 lbs. 40 lbs. 60 lbs.	10 lbs. 2 lbs.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD * LESPEDEZA, SEDICEA 1 LESPEDEZA, SEDICEA 2 LOVEGRASS, WEEPING	60 lbs. 10 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -
APRIL	* LOVEGRASS, WEEPING * MILLET, BROWNTOP * MILLET, PEARL * SUDANGRASS	4 lbs. 50 lbs. 50 lbs. 60 lbs.	2 lbs. 10 lbs.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD * LESPEDEZA, SEDICEA 1 LESPEDEZA, SEDICEA 2 LOVEGRASS, WEEPING	60 lbs. 10 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -
MAY	* LOVEGRASS, WEEPING * MILLET, BROWNTOP * MILLET, PEARL * SUDANGRASS	4 lbs. 40 lbs. 50 lbs. 60 lbs.	2 lbs. 10 lbs.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD * LESPEDEZA, SEDICEA 1 LESPEDEZA, SEDICEA 2 LOVEGRASS, WEEPING	60 lbs. 10 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -
JUNE	* LOVEGRASS, WEEPING * MILLET, BROWNTOP * MILLET, PEARL * SUDANGRASS	4 lbs. 40 lbs. 50 lbs. 60 lbs.	2 lbs. 10 lbs.	* BAHIA, PENSACOLA * BERMUDA, UNHULLED * LESPEDEZA, SEDICEA 1 * LESPEDEZA, SEDICEA 2 * LOVEGRASS, WEEPING	60 lbs. 10 lbs. 75 lbs. 75 lbs. 4 lbs.	30 lbs. 6 lbs. -

SEEDING RATES FOR TEMPORARY & PERMANENT COVER

MONTH	TEMPORARY COVER	RATE PER ACRE		PERMANENT COVER	RATE PER ACRE	
		SEEDED ALONE	ADDED TO MIX		SEEDED ALONE	ADDED TO MIX
JULY	* MILLET, BROWNTOP * MILLET, PEARL * SUDANGRASS	40 lbs. 50 lbs. 60 lbs.	10 lbs.	* BAHIA, PENSACOLA * LESPEDEZA, SEDICEA 1	60 lbs. 75 lbs.	30 lbs. -
AUGUST	* MILLET, PEARL * RYEGRASS, ANNUAL	50 lbs. 40 lbs.	-	* BAHIA, PENSACOLA * LESPEDEZA, SEDICEA 1	60 lbs. 75 lbs.	30 lbs. -
SEPTEMBER	* BARLEY * OATS * RYE * RYEGRASS, ANNUAL * WHEAT	3 bu. 4 bu. 3 bu. 40 lbs. 3 bu.	5 bu. 1 bu. 5 bu.	* BAHIA, PENSACOLA LESPEDEZA, SEDICEA 1	60 lbs. 75 lbs.	30 lbs. -
OCTOBER	* BARLEY * OATS * RYE * RYEGRASS, ANNUAL * WHEAT	3 bu. 4 bu. 3 bu. 40 lbs. 3 bu.	5 bu. 1 bu. 5 bu.	* BAHIA, PENSACOLA LESPEDEZA, SEDICEA 1	60 lbs. 75 lbs.	30 lbs. -
NOVEMBER	* BARLEY * OATS * RYE * RYEGRASS, ANNUAL * WHEAT	3 bu. 4 bu. 3 bu. 40 lbs. 3 bu.	5 bu. 1 bu. 5 bu.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SEDICEA 1	60 lbs. 10 lbs. 75 lbs.	30 lbs. 6 lbs. -
DECEMBER	* BARLEY * OATS * RYE * RYEGRASS, ANNUAL * WHEAT	3 bu. 4 bu. 3 bu. 40 lbs. 3 bu.	5 bu. 1 bu. 5 bu.	* BAHIA, PENSACOLA BERMUDA, UNHULLED CENTIPEDE, SOD LESPEDEZA, SEDICEA 1	60 lbs. 10 lbs. 75 lbs.	30 lbs. 6 lbs. -

- NOTES:**
- ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED
 - * INDICATES MARGINAL (BUT PERMISSIBLE) PLANTING DATE
 - 1. UNSCARIFIED
 - 2. SCARIFIED
 - 3. CENTIPEDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THRU OCTOBER

Du

DUST CONTROL

NOT TO SCALE

DEFINITION: CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON LAND-DISTURBING ACTIVITIES.
PURPOSE: PREVENT THE MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND PREVENT THE MOVEMENT OF AIRBORNE SUBSTANCES THAT MAY BE HARMFUL TO HEALTH.

TEMPORARY METHODS	PERMANENT METHODS
- MULCHES	- PERMANENT VEGETATION
- TEMPORARY VEGETATIVE COVER	- TOPSOILING
- SPRAY ON ADHESIVES	- STONE COVER
- TILLAGE	
- IRRIGATION	
- BARRIERS	
- CALCIUM CHLORIDE	

INSTALLATION: APPLY ACCORDING TO APPROVED PLAN, IF SHOWN. MULCH DISTURBED AREAS AND TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL, OR TERRASOL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION. COVER SURFACES WITH CRUSHED STONE OR GRAVEL. APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACES MOIST. APPLY SPRAY-ON ADHESIVES TO MINERAL SOILS (NOT MUCK SOILS AS DESCRIBED IN TABLE 1).

TABLE 1. SPRAY-ON ADHESIVE APPLICATION REQUIREMENTS

ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL / ACRE)
ANIONIC ASPHALT EMULSION	7:1 *	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1 *	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1 *	FINE SPRAY	300

MAINTENANCE: PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING. SUPPLEMENT SURFACE COVERING AS NEEDED.

Table 1. Mulching Application Requirements Ds1

Material	Rate	Depth
Straw or hay	-	2" to 4"
Wood waste, chips, sawdust, bark	-	2" to 3"
Polyethylene film	Secure with soil, anchors, weights	-
Geotextiles, jute matting, netting, etc.	See manufacturer's recommendations	-

Table 2. Fertilizer Requirements for Temporary Vegetation Ds2

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	1000	---
	Maintenance	10-10-10	400	30
Cool season grasses & legumes	First	6-12-12	1500	0-50
	Second	0-10-10	1000	---
	Maintenance	0-10-10	400	---
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	800	50-100
	Maintenance	10-10-10	400	30

- Apply agricultural lime at the rate determined by soil test pH.

Table 2. Fertilizer Requirements for Permanent Vegetation Ds3

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./ acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	1000	---
	Maintenance	10-10-10	400	30
Cool grasses and legumes	First	6-12-12	1500	0-50
	Second	0-10-10	1000	---
	Maintenance	0-10-10	400	---
Warm season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	800	50-100
	Maintenance	10-10-10	400	30
Warm season grasses and legumes	First	6-12-12	1500	50
	Second	0-10-10	1000	---
	Maintenance	0-10-10	400	---

- Apply agricultural lime at a rate of 1-2 tons/acre unless soil tests indicate otherwise.

GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION # 000002465 EXPIRES: 7/1/2024

NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA
HWY 80/ I-95 BEAUTIFICATION
EROSION CONTROL DETAILS

JOB NO: J-25396.1002
DATE: 8/16/21
DRAWN: BJ
DESIGNED: FIT
REVIEWED: FIT
APPROVED: JLM
SCALE: NOT TO SCALE

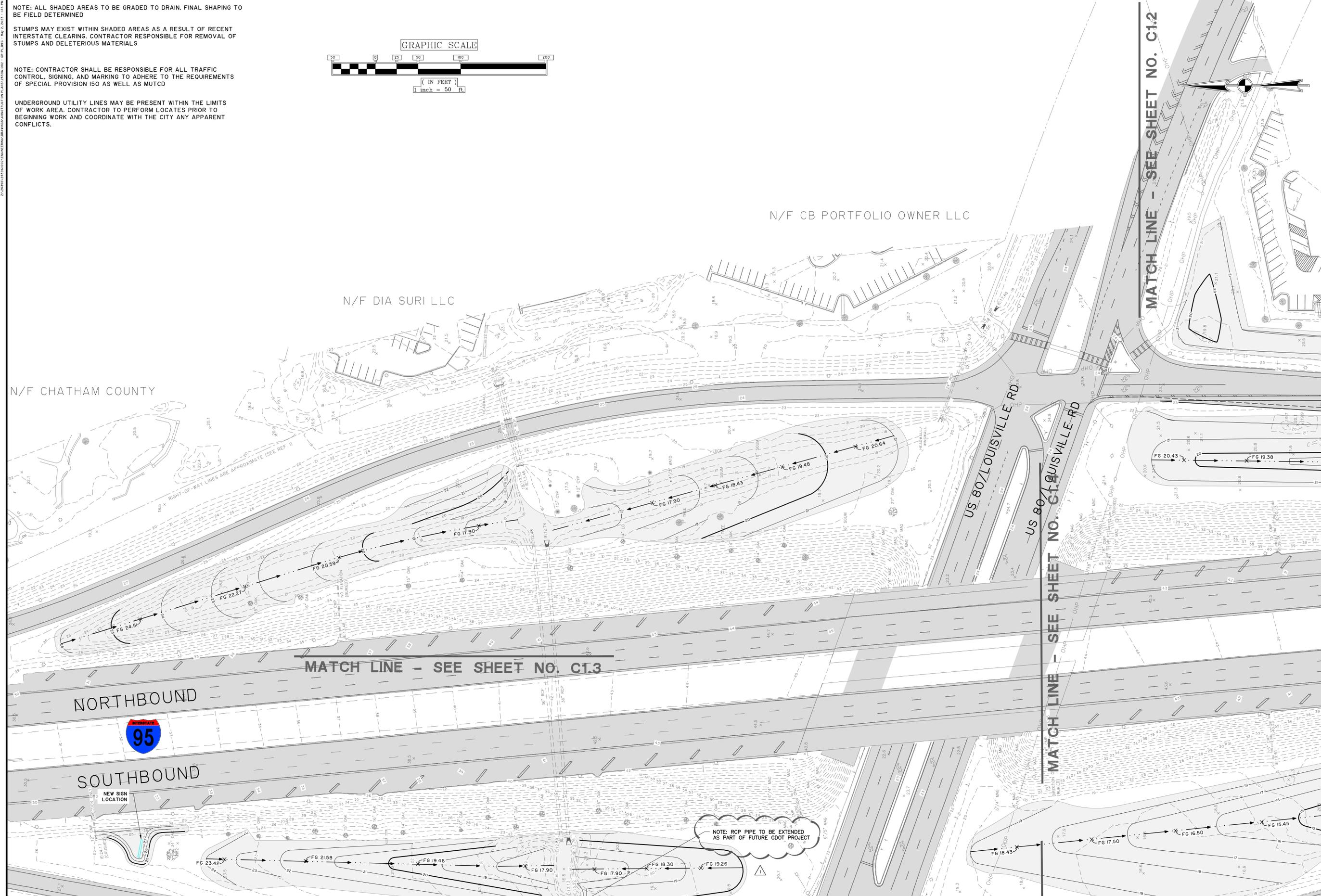
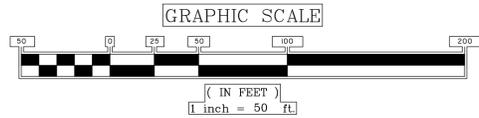
EC4.2

NOTE: ALL SHADED AREAS TO BE GRADED TO DRAIN. FINAL SHAPING TO BE FIELD DETERMINED

STUMPS MAY EXIST WITHIN SHADED AREAS AS A RESULT OF RECENT INTERSTATE CLEARING. CONTRACTOR RESPONSIBLE FOR REMOVAL OF STUMPS AND DELETERIOUS MATERIALS

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION ISO AS WELL AS MUTCD

UNDERGROUND UTILITY LINES MAY BE PRESENT WITHIN THE LIMITS OF WORK AREA. CONTRACTOR TO PERFORM LOCATES PRIOR TO BEGINNING WORK AND COORDINATE WITH THE CITY ANY APPARENT CONFLICTS.



MATCH LINE - SEE SHEET NO. C1.2

MATCH LINE - SEE SHEET NO. C1.3

MATCH LINE - SEE SHEET NO. C1.1



NORTHBOUND
SOUTHBOUND

NOTE: RCP PIPE TO BE EXTENDED AS PART OF FUTURE GDOT PROJECT

GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #
000002465
EXPIRES : 7/7/2024

NO.	REVISIONS	BY	DATE
1	REVISED PER INTERNAL REVIEW	DKW	10/4/22

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

CITY OF POOLER
POOLER, GA

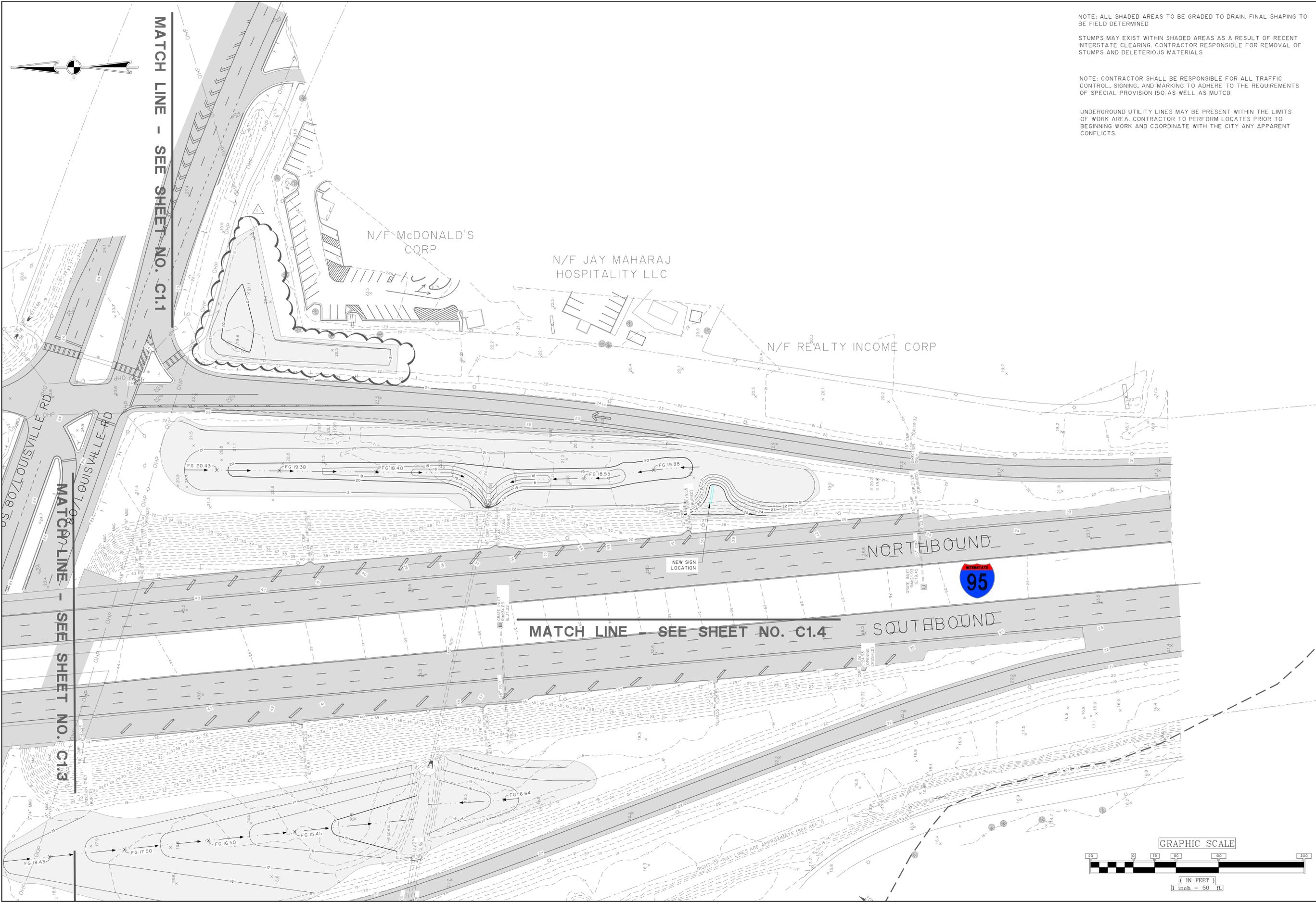
HWY 80/ I-95 BEAUTIFICATION

GRADING PLAN

JOB NO: J-25396.002
DATE: 8/16/21
DRAWN: CET
DESIGNED: CET
REVIEWED: RPT
APPROVED: RPT
SCALE: 1" = 50'

C1.1

Z:\25396\25396.DWG (UNDER CONSTRUCTION) \LANDSCAPE.DWG - GP, PL, SWS - May 2, 2023 - 1:45 PM



NOTE: ALL SHADED AREAS TO BE GRADED TO DRAIN. FINAL SHAPING TO BE FIELD DETERMINED

STUMPS MAY EXIST WITHIN SHADED AREAS AS A RESULT OF RECENT INTERSTATE CLEARING. CONTRACTOR RESPONSIBLE FOR REMOVAL OF STUMPS AND DELETERIOUS MATERIALS

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD

UNDERGROUND UTILITY LINES MAY BE PRESENT WITHIN THE LIMITS OF WORK AREA. CONTRACTOR TO PERFORM LOCATES PRIOR TO BEGINNING WORK AND COORDINATE WITH THE CITY ANY APPARENT CONFLICTS.

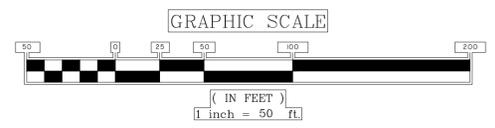


NO.	REVISIONS	BY	DATE
I	REVISED PER INTERNAL REVIEW		

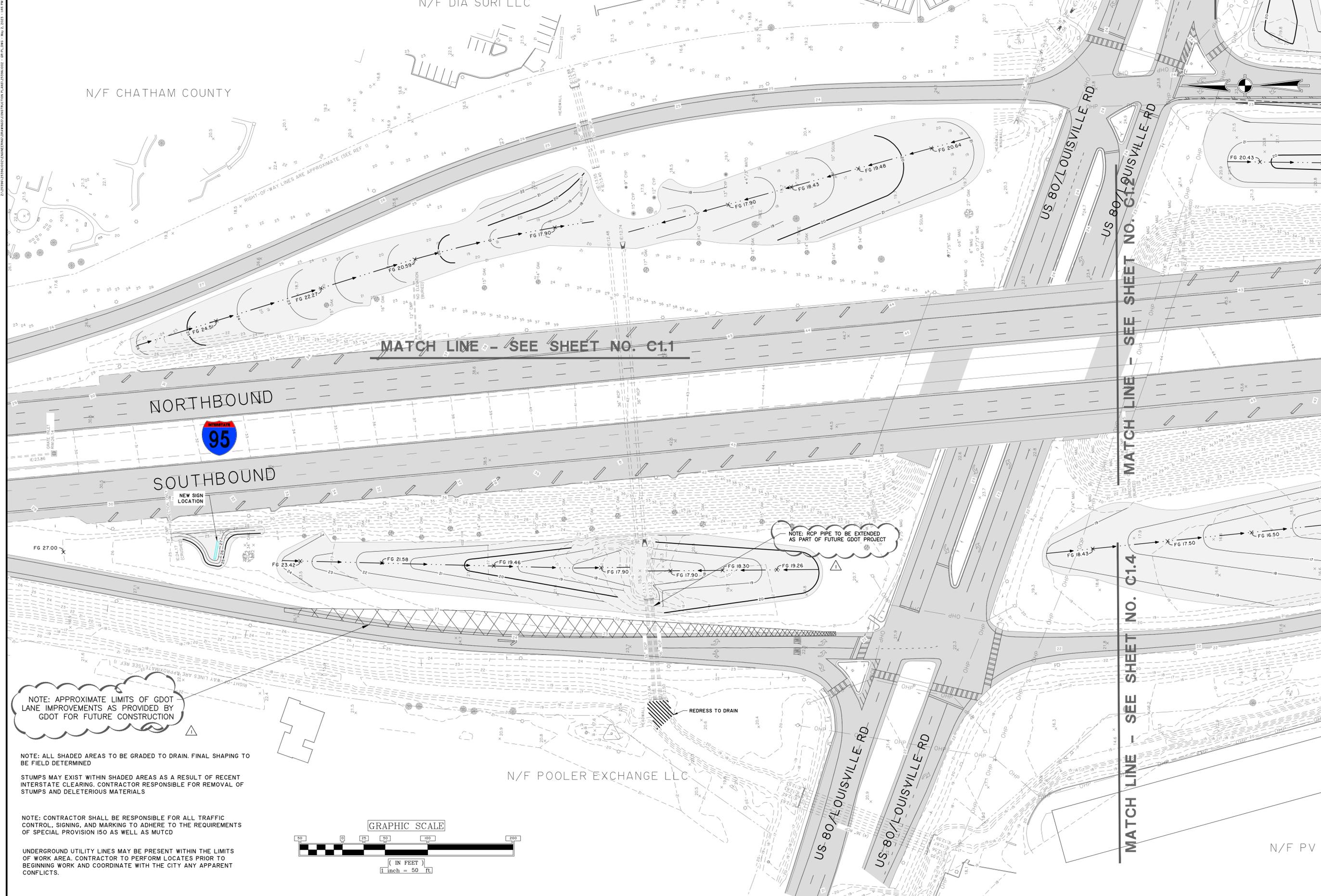
THOMAS & HUTTON
 50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

CITY OF POOLER
 POOLER, GA
 HWY 80/ I-95 BEAUTIFICATION
 GRADING PLAN

JOB NO.:	J-25396.002
DATE:	8/16/21
DRAWN:	CET
DESIGNED:	CET
REVIEWED:	RPT
APPROVED:	RPT
SCALE:	1" = 50'



C1.2



NOTE: APPROXIMATE LIMITS OF GDOT LANE IMPROVEMENTS AS PROVIDED BY GDOT FOR FUTURE CONSTRUCTION

NOTE: ALL SHADED AREAS TO BE GRADED TO DRAIN. FINAL SHAPING TO BE FIELD DETERMINED

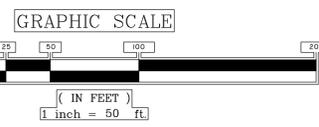
STUMPS MAY EXIST WITHIN SHADED AREAS AS A RESULT OF RECENT INTERSTATE CLEARING. CONTRACTOR RESPONSIBLE FOR REMOVAL OF STUMPS AND DELETERIOUS MATERIALS

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD

UNDERGROUND UTILITY LINES MAY BE PRESENT WITHIN THE LIMITS OF WORK AREA. CONTRACTOR TO PERFORM LOCATES PRIOR TO BEGINNING WORK AND COORDINATE WITH THE CITY ANY APPARENT CONFLICTS.

MATCH LINE - SEE SHEET NO. C1.1

MATCH LINE - SEE SHEET NO. C1.4



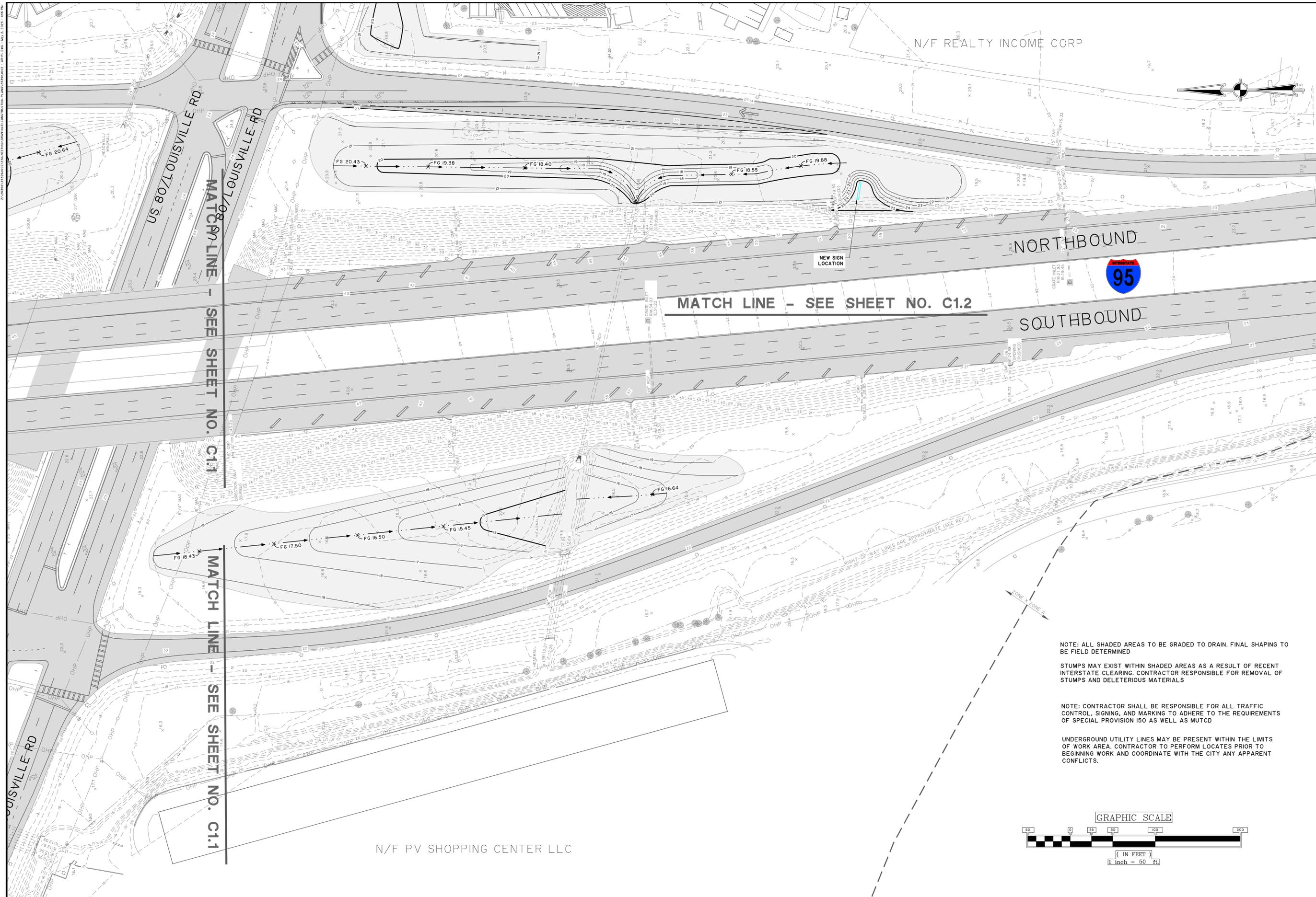
NO.	REVISIONS	BY	DATE
1	REVISED PER INTERNAL REVIEW		10/4/22

THOMAS & HUTTON
 50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

CITY OF POOLER
 POOLER, GA
 HWY 80/ 1-95 BEAUTIFICATION
GRADING PLAN

JOB NO: J-25396.002
 DATE: 8/16/21
 DRAWN: BJ
 DESIGNED: FIT
 REVIEWED: JLM
 SCALE: 1" = 50'

C1.3

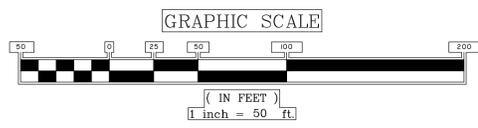


NOTE: ALL SHADED AREAS TO BE GRADED TO DRAIN. FINAL SHAPING TO BE FIELD DETERMINED

STUMPS MAY EXIST WITHIN SHADED AREAS AS A RESULT OF RECENT INTERSTATE CLEARING. CONTRACTOR RESPONSIBLE FOR REMOVAL OF STUMPS AND DELETERIOUS MATERIALS

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKING TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD

UNDERGROUND UTILITY LINES MAY BE PRESENT WITHIN THE LIMITS OF WORK AREA. CONTRACTOR TO PERFORM LOCATES PRIOR TO BEGINNING WORK AND COORDINATE WITH THE CITY ANY APPARENT CONFLICTS.



GSWCC LEVEL II
DESIGN PROFESSIONAL
CERTIFICATION #
000002465
EXPIRES : 7/7/2024

NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
50 Park of Commerce Way
Savannah, GA 31405 • 912.234.5300
www.thomasandhutton.com

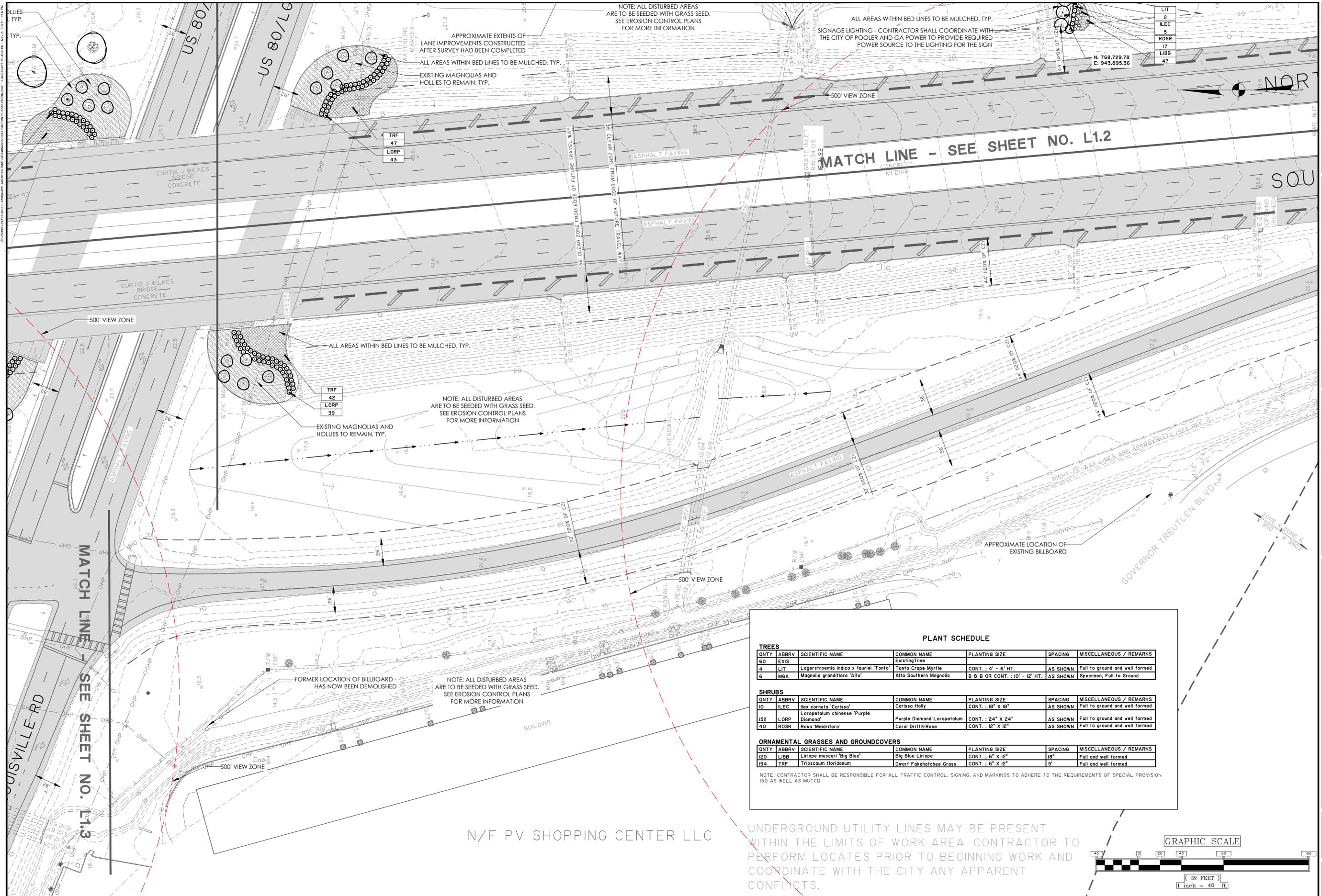
CITY OF POOLER
POOLER, GA

HWY 80/ I-95 BEAUTIFICATION

GRADING PLAN

JOB NO:	J-25396.1002
DATE:	8/16/21
DRAWN:	Bj
DESIGNED:	FIT
REVIEWED:	FIT
APPROVED:	JLM
SCALE:	1" = 50'

C1.4



NO.	REVISIONS	BY	DATE
2	REVISED/SUBMITTED DUE TO BILLBOARD SIGHT TRIANGLE	CET	3/24/23

THOMAS & HUTTON
 50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

CITY OF POOLER
 POOLER, GA
 HWY 80/ I-95 BEAUTIFICATION
PLANTING PLAN

JOB NO: J-25396.002
 DATE: 8/16/21
 DRAWN: CET
 DESIGNED: CET
 REVIEWED: RPT
 APPROVED: RPT
 SCALE: 1" = 40'

L1.4

LIT	2
ILEC	5
ROSR	17
LIBB	47

N: 768,729.78
 E: 943,895.36

MATCH LINE - SEE SHEET NO. L1.2

MATCH LINE - SEE SHEET NO. L1.3

NOTE: ALL DISTURBED AREAS ARE TO BE SEEDED WITH GRASS SEED. SEE EROSION CONTROL PLANS FOR MORE INFORMATION

ALL AREAS WITHIN BED LINES TO BE MULCHED, TYP.
 SIGNAGE LIGHTING - CONTRACTOR SHALL COORDINATE WITH THE CITY OF POOLER AND GA POWER TO PROVIDE REQUIRED POWER SOURCE TO THE LIGHTING FOR THE SIGN

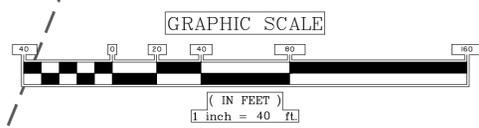
APPROXIMATE EXTENTS OF LANE IMPROVEMENTS CONSTRUCTED AFTER SURVEY HAD BEEN COMPLETED
 ALL AREAS WITHIN BED LINES TO BE MULCHED, TYP.
 EXISTING MAGNOLIAS AND HOLLIES TO REMAIN, TYP.

NOTE: ALL DISTURBED AREAS ARE TO BE SEEDED WITH GRASS SEED. SEE EROSION CONTROL PLANS FOR MORE INFORMATION

NOTE: ALL DISTURBED AREAS ARE TO BE SEEDED WITH GRASS SEED. SEE EROSION CONTROL PLANS FOR MORE INFORMATION

PLANT SCHEDULE						
TREES						
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
60	EXIS		Existing Tree			
4	LIT	<i>Lagerstroemia indica x fauriei</i> 'Tonto'	Tonto Crape Myrtle	CONT. ; 4' - 6' HT.	AS SHOWN	Full to ground and well formed
6	MGA	<i>Magnolia grandiflora</i> 'Alta'	Alta Southern Magnolia	B & B OR CONT. ; 10' - 12' HT.	AS SHOWN	Specimen, Full to Ground
SHRUBS						
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
10	ILEC	<i>Ilex cornuta</i> 'Carissa'	Carissa Holly	CONT. ; 18" X 18"	AS SHOWN	Full to ground and well formed
152	LORP	<i>Loropetalum chinense</i> 'Purple Diamond'	Purple Diamond Loropetalum	CONT. ; 24" X 24"	AS SHOWN	Full to ground and well formed
40	ROSR	<i>Rosa 'Meidiflora'</i>	Coral Drift® Rose	CONT. ; 12" X 12"	AS SHOWN	Full to ground and well formed
ORNAMENTAL GRASSES AND GROUNDCOVERS						
QNTY	ABBRV	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	SPACING	MISCELLANEOUS / REMARKS
120	LIBB	<i>Liriope muscari</i> 'Big Blue'	Big Blue Liriope	CONT. ; 6" X 12"	18"	Full and well formed
194	TRF	<i>Tripsacum floridanum</i>	Dwart Fakahatchee Grass	CONT. ; 6" X 12"	5'	Full and well formed

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, SIGNING, AND MARKINGS TO ADHERE TO THE REQUIREMENTS OF SPECIAL PROVISION 150 AS WELL AS MUTCD.



UNDERGROUND UTILITY LINES MAY BE PRESENT WITHIN THE LIMITS OF WORK AREA. CONTRACTOR TO PERFORM LOCATES PRIOR TO BEGINNING WORK AND COORDINATE WITH THE CITY ANY APPARENT CONFLICTS.

N/F PV SHOPPING CENTER LLC



1 SCHEMATIC SIGN ELEVATION WITH DIMENSIONS
 SCALE: NTS

WALL AND COLUMN CAPS TO CLOSELY MATCH THAT OF THE POOLER CITY HALL CAST STONE, STRUCTURAL FOAM OR SIMILAR MATERIAL MEETING BREAKAWAY STANDARDS.

 FAUX BRICK AND MORTAR CLOSELY MATCHING THAT OF THE POOLER CITY HALL. STRUCTURAL FOAM OR SIMILAR MATERIAL MEETING BREAKAWAY STANDARDS.



2 SCHEMATIC SIGN ILLUSTRATIVE
 SCALE: NTS

GENERAL NOTES:

1. REFER TO ENGINEERING PLANS FOR LAYOUT AND LOCATION OF UTILITIES AND ROADS.
2. ALL CONSTRUCTION SHALL CONFORM TO OR EXCEED REGULATIONS OF POOLER, GA., FAIR HOUSING ACT, THE AMERICANS WITH DISABILITIES ACT AND OTHER APPLICABLE FEDERAL, STATE, AND LOCAL STANDARDS AND GOVERNING AUTHORITIES.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY BUILDING PERMITS.
4. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES AND CONFIRM/DETERMINE UTILITY ELEVATIONS PRIOR TO CONSTRUCTION.
5. CONTRACTOR ACCESS FOR CONSTRUCTION AS DIRECTED BY OWNER'S REPRESENTATIVE.
6. ALL DEMOLITION MATERIAL SHALL BE DISPOSED OF PER POOLER, GA. APPLICABLE CODE.
7. CONTRACTOR SHALL PROTECT THE GENERAL PUBLIC FROM CONSTRUCTION AREAS DURING CONSTRUCTION.

8. CONTRACTOR SHALL PROVIDE SAMPLES OF ALL MATERIALS AND OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES.
10. CONTRACTOR IS RESPONSIBLE FOR ALL PAVED AREAS DAMAGED DURING CONSTRUCTION.
11. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL WALLS, WALKS, AND PLANTING BEDS AND TOWARDS EXISTING / PROPOSED DRAIN INLETS, SWALES OR ROADS.
12. CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY CONFLICTS.
13. ALL FIELD ADJUSTMENTS SHALL RECEIVE APPROVAL FROM THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
14. ALL CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. ALL ANGLES ARE 90 UNLESS OTHERWISE INDICATED.

SIGNAGE NOTES:

1. SIGNAGE CONCEPTS SHOWN ON THIS SHEET ARE ONLY TO SHOW DESIGN INTENT. ALL CONSTRUCTION TO BE PER PLANS PREPARED BY DENYSE SIGNS AND MBI COMPANIES.
2. CONTRACTOR SHALL COORDINATE WITH THE OWNER, GEORGIA POWER AND GDOT ON SCHEDULING AND INSTALLATION OF POWER SOURCE FOR SIGNAGE LIGHTING.



NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
 50 Park of Commerce Way
 Savannah, GA 31405 • 912.234.5300
 www.thomasandhutton.com

CITY OF POOLER
 POOLER, GA.
 HWY 80/ I-95 BEAUTIFICATION
SCHEMATIC SIGN DETAILS

JOB NO: J-25396.002
 DATE: 8/16/21
 DRAWN: CET
 DESIGNED: CET
 REVIEWED: RPT
 APPROVED: RPT
 SCALE: AS SHOWN