

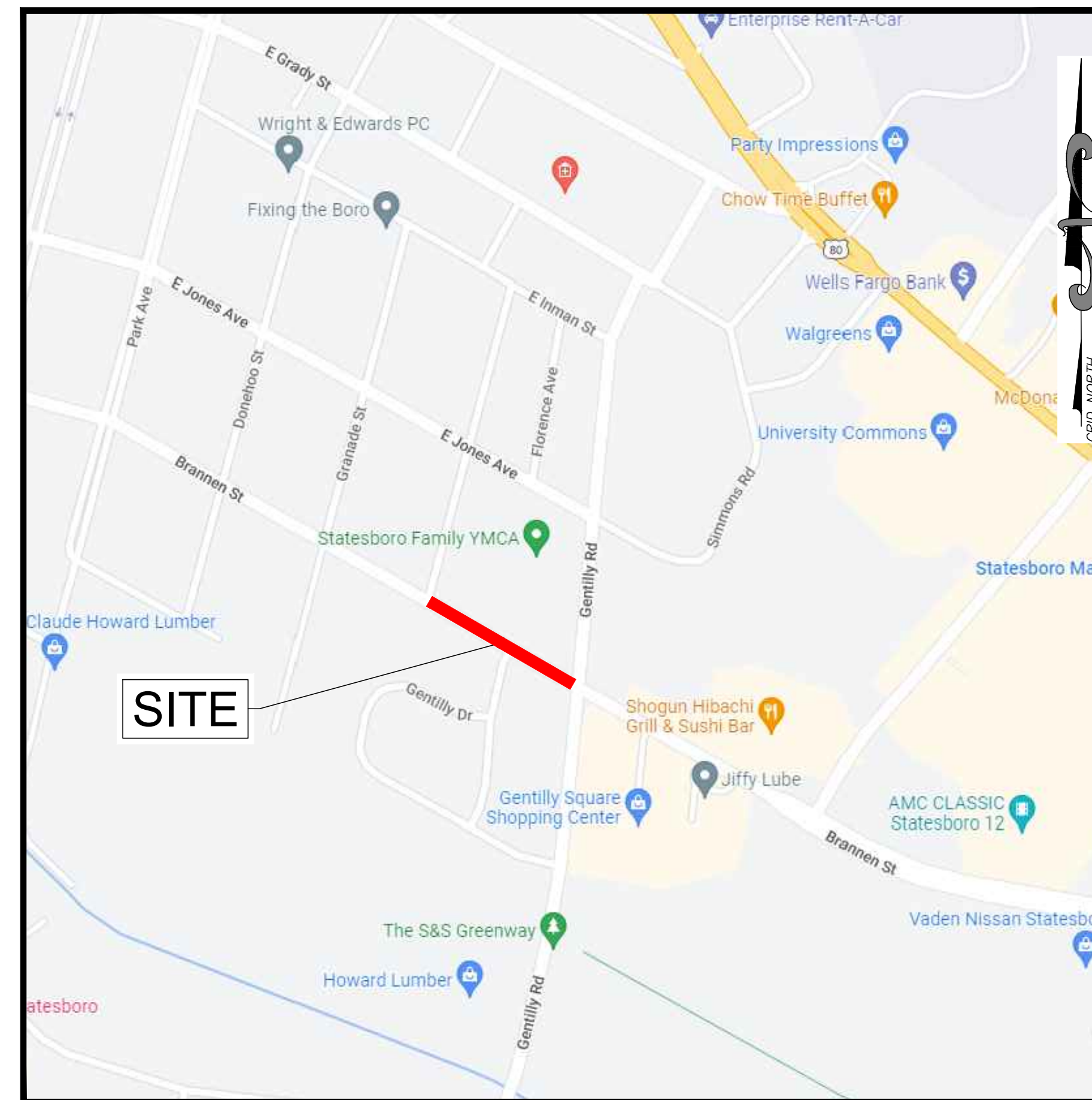
# SITE DEVELOPMENT PLANS FOR BRANNEN STREET SIDEWALK

## STATESBORO, BULLOCH COUNTY, GEORGIA

Prepared for  
CITY OF STATESBORO

### PROJECT DATA

OWNER/DEVELOPER:	CITY OF STATESBORO 50 EAST MAIN STREET STATESBORO, GEORGIA 30458
24HR CONTACT:	CODY ROGERS, PE 912-644-3219
TAX MAP & PARCEL NUMBER:	N/A
PARCEL AREA:	N/A
ZONING CLASSIFICATION:	N/A
PROPOSED USE:	ADA ACCESSIBLE SIDEWALK PROJECT
IMPERVIOUS AREA:	0.13 ACRES
DISTURBED AREA:	0.63 ACRES
TOTAL BUILDING AREA:	N/A
PARKING SPACES REQUIRED:	N/A
PARKING SPACES PROVIDED:	N/A



VICINITY MAP  
NOT TO SCALE

### Sheet List Table

Sheet Number	Sheet Title
1	COVER
2	GENERAL NOTES
3	EXISTING CONDITIONS & DEMOLITION PLAN
4	STAKING PLAN
5	PAVING, GRADING & DRAINAGE PLAN
6	BRANNEN STREET CROSS SECTIONS
7	BRANNEN STREET CROSS SECTIONS
8	DRIVEWAY PROFILES
9	EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN
10	EROSION, SEDIMENTATION & POLLUTION CONTROL DETAILS
11	CONSTRUCTION DETAILS



Know what's below.  
Call before you dig.

#### UTILITY LOCATION DISCLAIMER

THE UTILITIES ARE SHOWN AS PER THE LOCATION OF POLES, MANHOLES, VALVES, PEDESTALS, ETC., EXISTING DRAWINGS AND INFORMATION PROVIDED BY UTILITY PERSONNEL. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

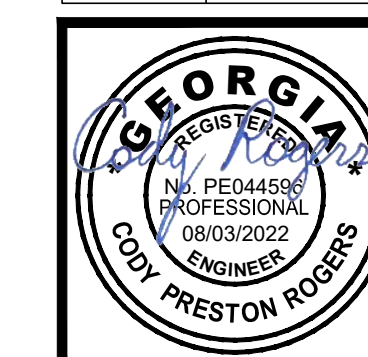
PROJECT LOCATION:  
BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.  
STATESBORO, BULLOCH COUNTY, GEORGIA  
EMC PROJECT# 22-2019  
AUGUST 2022



**EMC ENGINEERING SERVICES, INC.**  
ENVIRONMENTAL- MARINE - CIVIL - SURVEY

ISSUED FOR CONSTRUCTION

REVISION	DESCRIPTION	DATE
1	REVISED NOTES. ADDED MH DETAIL.	11-29-22
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-



**EMC ENGINEERING SERVICES, INC.**  
PO BOX 2088  
1211 MERCHANT WAY, SUITE 201  
STATESBORO, GEORGIA 30458  
PHONE: (912) 764-7022  
FAX: (912) 233-4580  
statesboro@emc-eng.com  
www.emc-eng.com

ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS • SAVANNAH  
STATESBORO • THOMASTON • VALDOSTA • WARNER ROBINS

PROJECT DESCRIPTION:

- 1. THE DEVELOPER'S INTENT IS TO CONSTRUCT A NEW SIDEWALK TO ENHANCE PEDESTRIAN ACCESS ALONG BRANNEN STREET.
2. AN EXISTING CONDITIONS / TOPOGRAPHIC SURVEY OF THIS PARCEL WAS PERFORMED BY EMC ENGINEERING SERVICES, INC ON APRIL 4, 2022.
3. NO GEOTECHNICAL REPORT OF THE PROJECT SITE IS AVAILABLE.
4. NO ENVIRONMENTAL SITE ASSESSMENT OF THE PROJECT SITE WAS PREPARED WITHIN THE PAST 12 MONTHS.
5. THE TOTAL PARCEL AREA IS, N/A. THE TOTAL DISTURBED AREA IS: 0.83 ACRES.
6. THE PROJECT IS LOCATED AT BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD., STATESBORO, BULLOCH COUNTY, GEORGIA.
7. EMC REVIEWED THE U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLAND INVENTORY (NWI) MAP, WHICH DOCUMENTED NO REGULATED WETLANDS ON THE SUBJECT PROPERTY OR ADJOINING PROPERTIES.
8. THERE ARE NO WATERS OF THE STATE PRESENT WITHIN 200 FEET OF THE DISTURBED AREA.
9. THERE ARE NO IMPAIRED STREAM SEGMENTS WITHIN ONE MILE OF THE PROJECT SITE.
10. THE INITIAL RECEIVING WATER FOR STORMWATER RUNOFF FROM THE SITE IS AN UNNAMED TRIBUTARY OF LITTLE LOTTS CREEK, A WARM WATER FISHERY.
11. THE PROPERTY SHOWN HEREON IS LOCATED ON MAP NO. 13031C0217D OF THE FEMA FLOOD INSURANCE RATE MAP COVERING 130021, EFFECTIVE DATE: 08/09/2010, AND SHOWS THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD HAZARD AREA.
12. THE POINT OF CONTACT FOR CIVIL SITE WORK FOR THIS PROJECT IS:

ENGINEER OF RECORD:
CODY ROGERS, PE
EMC ENGINEERING SERVICES INC.
1211 MERCHANT WAY, SUITE 201
STATESBORO, GEORGIA 30458
PHONE: (912) 644-3219
cody\_rogers@emc-eng.com

PROJECT MANAGER:
KYLE LOGUE
EMC ENGINEERING SERVICES, INC.
1211 MERCHANT WAY, SUITE 201
STATESBORO, GEORGIA 30458
PHONE: (912) 644-3216
kyle\_logue@emc-eng.com

DEVELOPER/OWNER:
JOHN WASHINGTON, PUBLIC WORKS DIRECTOR
CITY OF STATESBORO
50 EAST MAIN STREET
STATESBORO, GA 30458
PHONE: (912) 764-5468
john.washington@statesboroga.gov

- 13. TWENTY-FOUR HOUR CONTACT RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL:
CODY ROGERS, PE (912) 644-3219
LEVEL II CERTIFICATION# 0000088488

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY AND ALL WAYS, MEANS, AND METHODS OF CONSTRUCTION.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH GDOT STANDARDS, SPECIFICATIONS AND DETAILS.
3. THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS SHALL BE PROVIDED WHERE CONSTRUCTION OPERATIONS ABUT PUBLIC THROUGH-FARES AND ADJACENT PROPERTY.
4. THE CONTRACTOR WILL COORDINATE THE WORK WITH THE UTILITY COMPANIES AND WILL VERIFY ALL EXISTING PIPE INVERTS AND EXISTING ROAD ELEVATIONS PRIOR TO CONSTRUCTION.
5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN HAND PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
6. THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED AND DO NOT BIND THE ENGINEER IN ANY WAY.
7. UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED ON GROUND MARKINGS BY OTHERS. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. VISIBLE EVIDENCE OF UTILITY STRUCTURES OBSERVED DURING THE COURSE OF THE FIELD SURVEY IS SHOWN HEREON.
8. PRIOR TO INSTALLATION OF ANY UTILITY LINES, THE CONTRACTOR SHALL GIVE THE UTILITY COMPANIES THREE (3) WORKING DAYS NOTICE TO ALLOW TIME FOR EXISTING UTILITIES TO BE STAKED. BEFORE CALLING (811) THE CONTRACTOR SHALL HAVE THE FOLLOWING INFORMATION READY: COUNTY, TOWN, LOCATION, NEAREST STREET INTERSECTIONS, TYPE OF WORK (SEWER, WATER, PAVING, ETC.), YOUR COMPANY NAME, TELEPHONE NUMBER, OWNER'S NAME, DATE AND TIME YOU EXPECT TO COMMENCE CONSTRUCTION, AND WHERE AND HOW YOU CAN BE REACHED AND THE BEST TIME TO CONTACT YOU. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES, AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY VARIANCES PRIOR TO COMMENCEMENT OF WORK OR PURCHASING ANY MATERIALS.
9. IT IS THE OBLIGATION OF THE CONTRACTOR TO MAKE HIS OWN INTERPRETATION OF ALL SURFACE AND SUBSURFACE DATA THAT IS AVAILABLE AS TO THE NATURE AND EXTENT OF THE MATERIALS TO BE EXCAVATED AND WASTED, AND/OR GRADED AND COMPACTED. THE INFORMATION SHOWN ON THESE PLANS AND SPECIFICATIONS DOES NOT IN ANY WAY GUARANTEE THE AMOUNT OR NATURE OF THE MATERIAL WHICH MAY BE ENCOUNTERED.
10. ALL DISTURBED AREAS, NOT DESIGNATED TO BE PAVED, SHALL BE GRASSED WITH PERMANENT SEEDING OR PLANTED WITH PERMANENT VEGETATION, EXCEPT WHERE PROPOSED CONSTRUCTION INDICATES OTHERWISE.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND FURNISHING OF BORROW MATERIAL AS NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT. FILL MATERIAL SHALL BE CLEAN AND FREE OF ALL DEBRIS AND ORGANIC MATERIAL.
12. ALL ITEMS REMOVED FROM THE PROJECT WHICH ARE NOT TO BE REUSED SHALL BE MOVED TO A LOCATION APPROVED BY THE OWNER.
13. ALL STRIPING AND SIGNS SHALL BE IN CONFORMITY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, LATEST EDITION.
14. ANY SURVEY MARKER OR MONUMENTS DISTURBED DURING CONSTRUCTION REQUIRES RE-ESTABLISHMENT BY A SURVEYOR LICENSED IN THE STATE THE PROJECT RESIDES IN AT THE CONTRACTOR'S EXPENSE.
15. ANY INFORMATION BY THE GOVERNING AGENCY, INCLUDING BUT NOT LIMITED TO STANDARDS, REQUIREMENTS, SPECIFICATIONS, NOTES, AND DETAILS, SHALL SUPERSEDE IF THERE IS ANY CONFLICTING INFORMATION HEREIN.
16. IF ANY CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR THE FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY IN WRITING, AND SHALL NOT COMMENCE OPERATION UNTIL CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

SITE LAYOUT AND STAKING NOTES

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING WORK AND SHALL BE RESPONSIBLE FOR THE PROPER FIT OF ALL COMPONENTS. SOME DIMENSIONS AND CONDITIONS MAY VARY. NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES OR CONFLICTS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS, BUFFERS, ETC. PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. CONTRACTOR SHALL CAREFULLY EXAMINE ALL DOCUMENTS AND THE CONSTRUCTION SITE TO OBTAIN FIRST HAND KNOWLEDGE OF EXISTING CONDITIONS.
4. ALL DIMENSIONS ARE MEASURED TO BACK OF CURB WHERE CURB & GUTTER IS PRESENT. ALL OTHER DIMENSIONS ARE MEASURED TO EDGE OF PAVEMENT UNLESS NOTED OTHERWISE. CONTRACTOR IS TO COORDINATE WITH THE ARCHITECTURAL PLANS AS TO THE BUILDING LAYOUT AND DIMENSIONS.
5. ALL NEW ASPHALT AND/OR CONCRETE PAVING SHALL HAVE A SMOOTH TRANSITION TO EXISTING PAVEMENT.
6. ALL SIGNS AND UTILITY MARKERS REMOVED/DISTURBED DURING CONSTRUCTION SHALL BE REINSTALLED UNLESS NOTED OTHERWISE ON PLANS.
7. ALL HANDICAP ACCESSIBLE SITE IMPROVEMENTS INCLUDING HANDICAP PARKING SPACES AND ACCESSIBLE ROUTES SHALL CONFORM WITH THE AMERICANS WITH DISABILITY ACT DESIGN GUIDELINES AND SPECIFICATIONS, LATEST EDITION, AND ANY ADDITIONAL FEDERAL, STATE, AND LOCAL CODES, REQUIREMENTS, AND REGULATIONS.
8. ALL PARKING STRIPING SHALL BE 5" PAINTED WHITE UNLESS NOTED OTHERWISE. ALL PAINT TO BE WATERBORNE TRAFFIC PAINT THAT IS ENVIRONMENTALLY FRIENDLY.
9. ALL STRIPING AND SIGNS SHALL CONFORM WITH THE STATE'S DEPARTMENT OF TRANSPORTATION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

DEMOLITION AND EXISTING CONDITIONS NOTES

- 1. THE CONTRACTOR SHALL PROVIDE THREE WORKING DAYS NOTICE TO THE UTILITIES PROTECTION CENTER BY CALLING 811 IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR CONSTRUCTION.
2. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE-GROUND STRUCTURES PROVIDED BY THE SURVEYOR. NO EXCAVATIONS OR SUBSURFACE LOCATING SERVICES WERE MADE DURING THE PERFORMANCE OF THE TOPOGRAPHIC SURVEY TO LOCATE / IDENTIFY BURIED UTILITIES / STRUCTURES. LOCATIONS OF UNDERGROUND UTILITIES / STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY UTILITIES DAMAGED DURING DEMOLITION AND/OR CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
4. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BARRIERS & WARNINGS TO LIMIT ACCESS TO PROJECT AREA TO ONLY THOSE PERSONNEL AUTHORIZED BY THE CONTRACTOR. SAFE PASSAGE SHALL BE MAINTAINED FOR PEDESTRIANS TO AREAS ADJACENT TO THE PROJECT SITE AS REQUIRED.
5. ALL ITEMS REMOVED OR DEMOLISHED BY THE CONTRACTOR, WHICH ARE NOT LISTED BY THE SPECIAL PROVISIONS, OR HEREIN, TO BE TURNED OVER TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR & SHALL BECOME THE CONTRACTOR'S RESPONSIBILITY FOR PROPER DISPOSAL.
6. DEMOLITION ACTIVITIES ARE NOT EXPECTED TO INCLUDE THE REMOVAL OF HAZARDOUS MATERIALS. IN THE EVENT THAT THAT HAZARDOUS MATERIALS ARE ENCOUNTERED OR SUSPECTED, CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING OF THE MATERIAL AND LOCATION.
7. CONTRACTOR SHALL REMOVE TREES AS INDICATED ON CIVIL PLANS. CONTRACTOR SHALL USE CAUTION DURING ALL CONSTRUCTION ACTIVITIES TO PROTECT ALL TREES, SHRUBS AND OTHER VEGETATION THAT ARE NOT INDICATED TO BE REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE CLEAN-UP, CLEARING AND GRUBBING PER SPECIFICATIONS. ALL TREES THAT HAVE A MARKETABLE VALUE SHALL BE SALVAGED. CONTRACTOR SHALL COORDINATE WITH OWNER AS TO THE TREES TO BE RELOCATED OR SOLD.
8. ALL TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH TREE PROTECTION FENCING AS INDICATED ON THE CIVIL PLANS PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE. NO ABOVE OR BELOW-GROUND DISTURBANCE OF ANY KIND SHALL OCCUR WITHIN THE TREE PROTECTION FENCING, NOR ANY PARKING, STOCK-PILING, BURNING ETC. SEE PLANS FOR TREE PROTECTION FENCING.
9. REQUIRED DEMOLITION IS NOTED ON PLANS, SECTIONS AND DETAILS. ADDITIONAL DEMOLITION AND REPAIR MAY BE REQUIRED. FAILURE TO NOTE SUCH WORK SHALL NOT BE THE BASIS FOR CONTRACT MODIFICATIONS OR ADDITIONS.
10. WHERE ASPHALT OR CONCRETE DEMOLITION IS REQUIRED, CONTRACTOR SHALL USE A SAW CUT AT THE LIMITS OF DEMOLITION OR NEAREST JOINT TO OBTAIN A CLEAN EDGE.

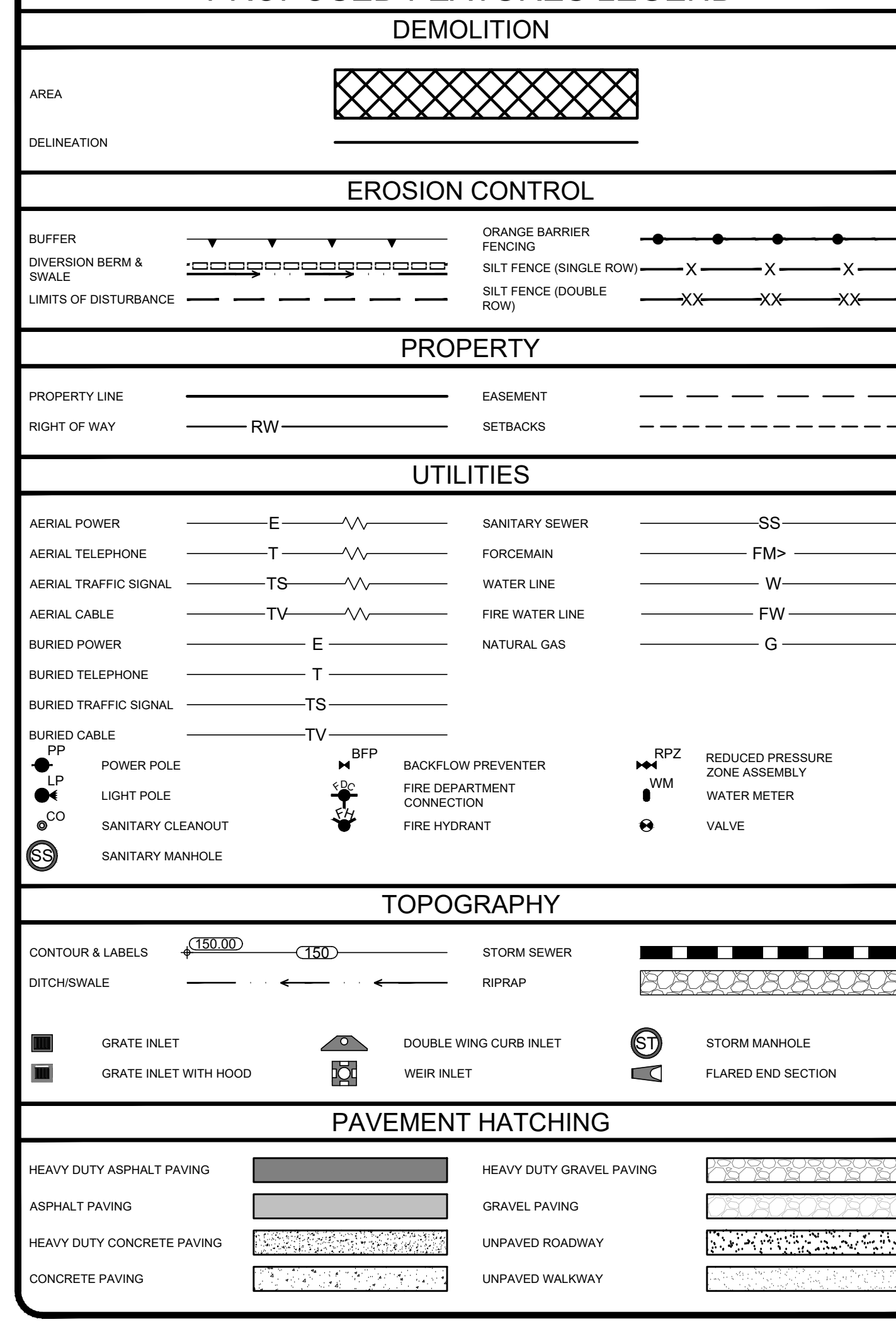
UTILITY NOTES

- 1. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANIES TO SCHEDULE ALL UTILITY & SERVICE INTERRUPTIONS TO OCCUPIED PORTIONS OF THE SITE.
2. A 10 FOOT HORIZONTAL AND 18 INCH VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN SANITARY SEWER LINES AND ANY WATER OR STORM LINES. WATER AND STORM LINES SHALL BE ABOVE ANY SANITARY LINES.
3. MAINTAIN A MINIMUM OF 4' OF COVER ABOVE WATER MAINS.
4. ALL SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 1% SLOPE UNLESS OTHERWISE NOTED.
5. FOR ANY WORK IN DOT RIGHT-OF-WAY, AN ENCROACHMENT AND/OR UTILITY PERMIT MAY BE REQUIRED.
6. ALL METERS, VALVES, AND BACKFLOW PREVENTORS ARE TO BE IN COMPLIANCE WITH THE LOCAL UTILITY AUTHORITY'S REQUIREMENTS.
7. ADJUST ALL TOP OF STRUCTURE ELEVATIONS (MANHOLES, CLEANOUTS, VALVE BOXES, ETC.) TO FINISHED GRADE ELEVATIONS.
8. ALL SANITARY SEWER WORK SHALL BE IN ACCORDANCE WITH THE LOCAL UTILITY AUTHORITY'S STANDARDS AND SPECIFICATIONS.

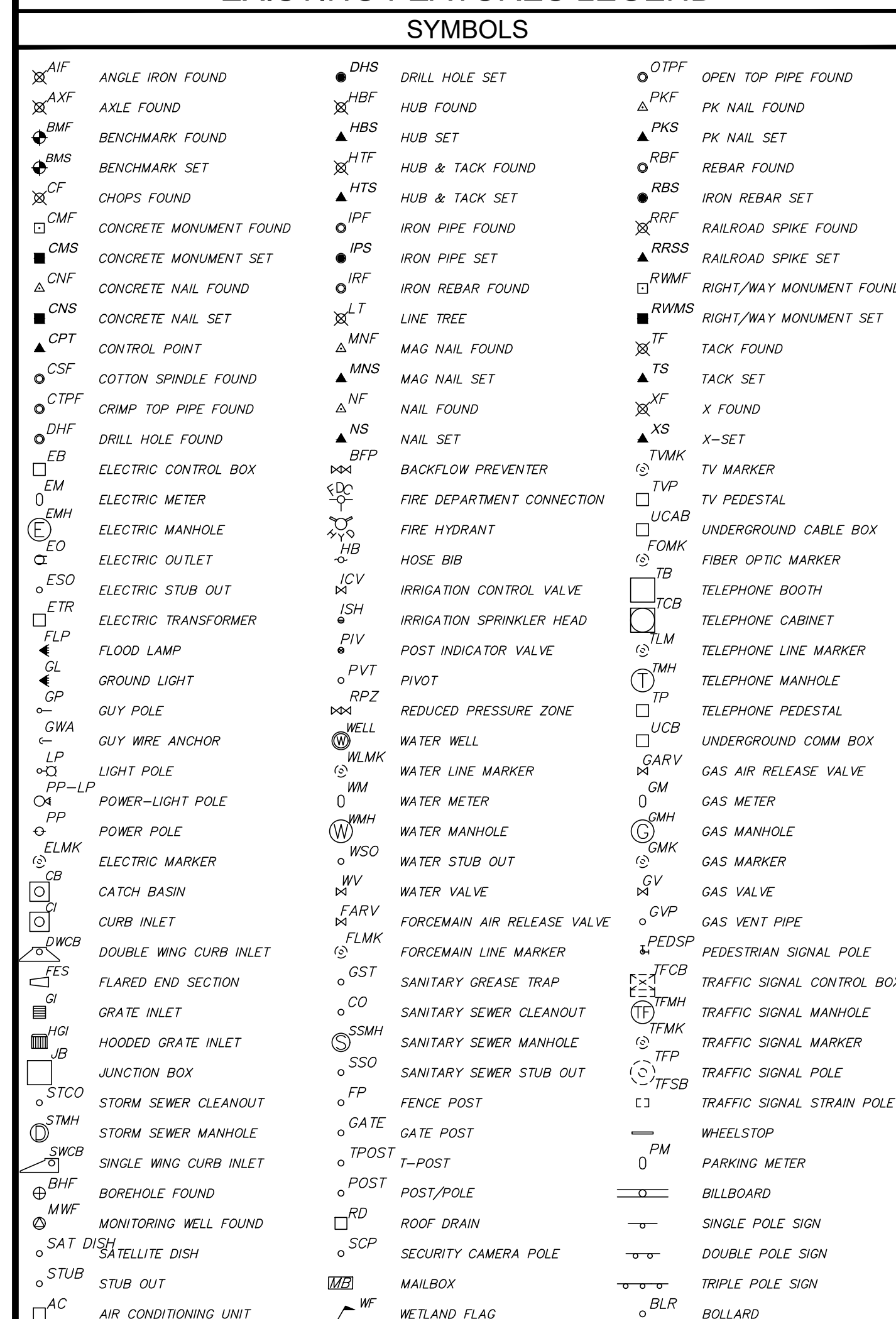
GRADING AND DRAINAGE NOTES

- 1. ALL SUITABLE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES & COMPACTED TO 95% OF MAX. DRY DENSITY OF STANDARD PROCTOR.
2. FILL MATERIAL SHALL BE CLEAN AND FREE OF ALL DEBRIS AND ORGANIC MATERIAL.
3. CONTRACTOR TO FILL AND/OR EXCAVATE AS REQUIRED FOR INSTALLATION OF ALL PROPOSED FEATURES. FINAL GRADES SHALL BE FLUSH WITH EDGE OF ASPHALT, SIDEWALK, AND/OR BACK OF CURB AND GRADED TO ENSURE POSITIVE DRAINAGE. PONDING OF STORMWATER SHALL NOT OCCUR.
4. ADJUST ALL TOP OF STRUCTURES ELEVATIONS (MANHOLES, CLEANOUTS, VALVE BOXES, ETC.) TO FINISH GRADE ELEVATIONS. FAILURE TO NOTE SUCH WORK SHALL NOT BE THE BASIS FOR CONTRACT MODIFICATIONS OR ADDITIONS.
5. ALL PROPOSED AND EXISTING PAVEMENT AND CURB TO REMAIN SHALL BE PROTECTED. IF DAMAGED, IT SHALL BE REPLACED PROMPTLY TO MEET STATE AND LOCAL REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
6. CARE SHALL BE TAKEN NEAR EXISTING TREES, SHRUBS, AND OTHER VEGETATION WHICH ARE TO REMAIN SO AS TO NOT CAUSE INJURY TO ROOT SYSTEMS OR TRUNKS.
7. AT THE END OF EACH DAY'S WORK, REMOVE ANY DEBRIS, MATERIAL, ETC. (RESULTING FROM CONTRACTOR'S GRADING OPERATIONS) THAT IS NOT WITHIN THE CONTRACTOR CONSTRUCTION LIMITS.
8. ALL DISTURBED AREAS OF THE SITE SHALL BE DRESSED TO UNIFORM, WELL DRAINED AND VISUALLY APPEALING SURFACE WITH A MINIMUM TOPSOIL LAYER OF FOUR INCHES.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE SITE IS ADA ACCESSIBLE AS REQUIRED BY FEDERAL, STATE AND LOCAL GOVERNMENT.
10. FINISH GRADE ELEVATIONS INDICATE EDGE OF PAVEMENT/TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
11. REFER TO DETAILS FOR PAVEMENT TYPICAL SECTION.
12. SITE SHALL BE GRADED UNIFORMLY FOR POSITIVE DRAINAGE AS SHOWN FROM THE PROPOSED ELEVATIONS, CONTOURS, AND THE DRAINAGE SLOPE ARROWS.
13. MAXIMUM SIDEWALK CROSS SLOPE IS 2%. MAXIMUM LONGITUDINAL SLOPE ALONG AN ACCESSIBLE SIDEWALK IS 5%. MAXIMUM PAVEMENT SLOPE IN HANDICAP PARKING AREA AND ACCESS AISLE IS 2% IN ANY DIRECTION. MAXIMUM HANDICAP RAMP SLOPE IS 12H:1V.
14. CONTRACTOR IS REQUIRED TO NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES OR CONFLICTS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES.

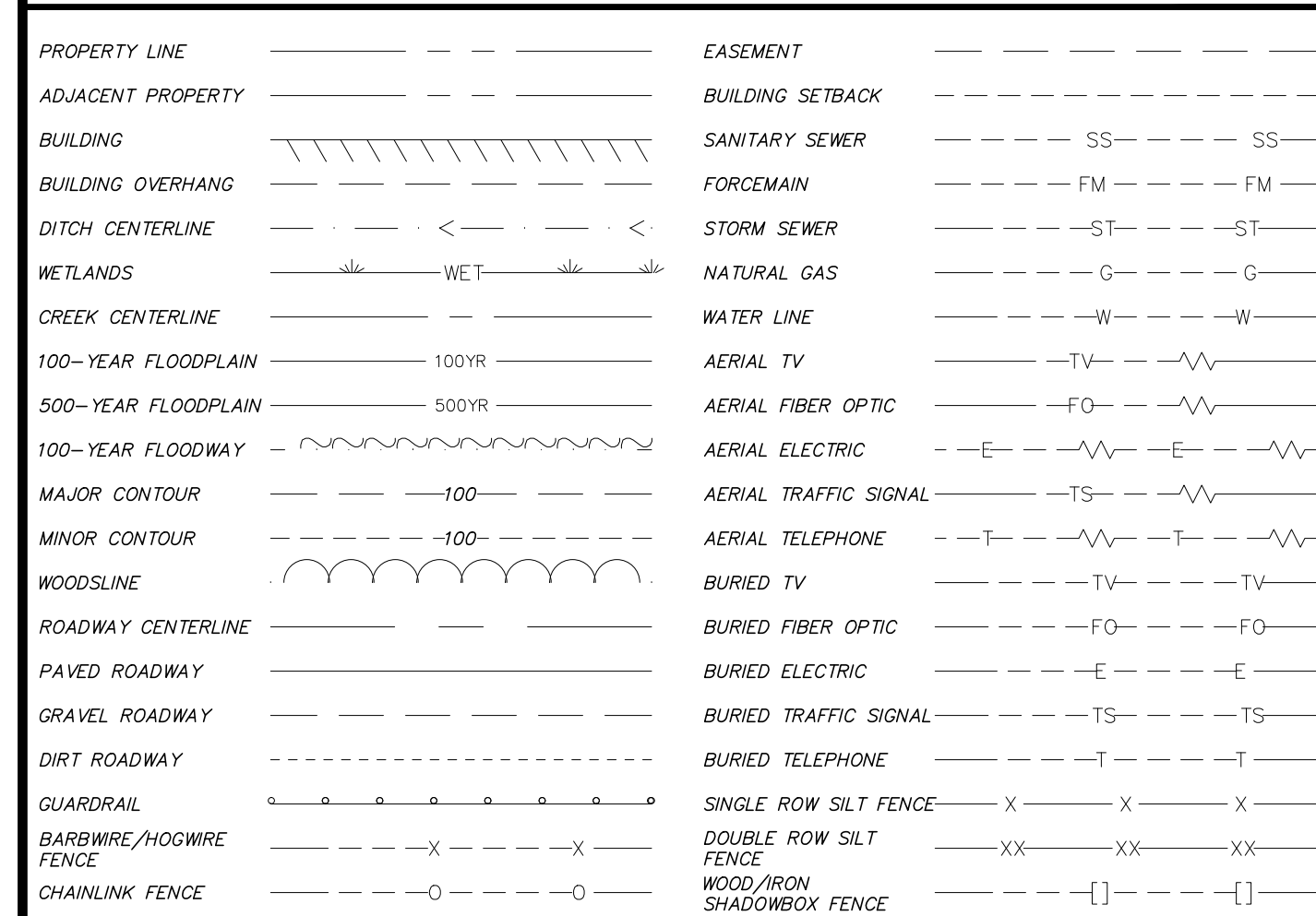
PROPOSED FEATURES LEGEND



EXISTING FEATURES LEGEND



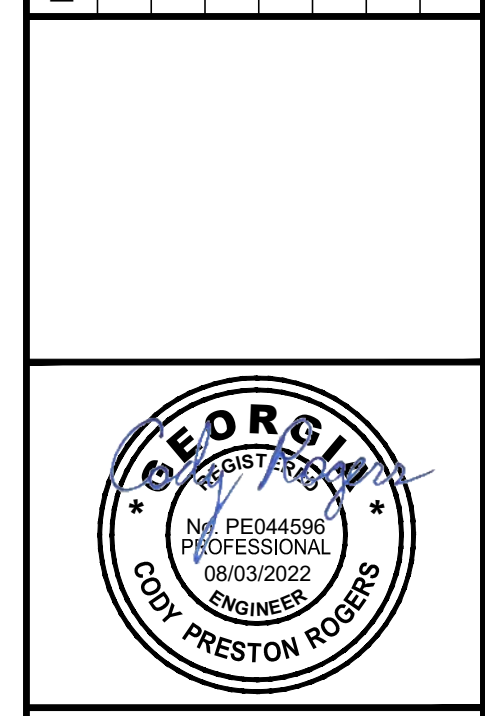
LINETYPES



ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes BFE, CMP, CPP, DIP, FFE, FRD, HDPE, HDW, HWL, IE/INV, LWL, PVC, RCB, RCP, THR, VCP, VLT, etc.

Table with columns: DATE, REVISION DESCRIPTION, NO. Includes revision 1 on 11-29-22.

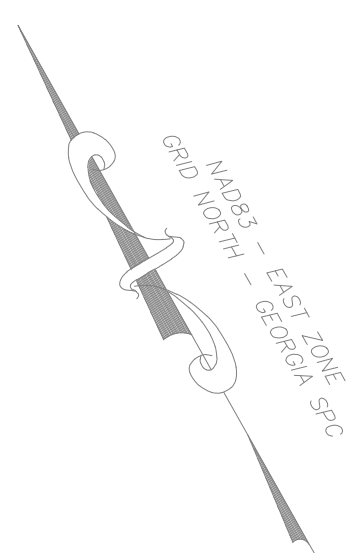
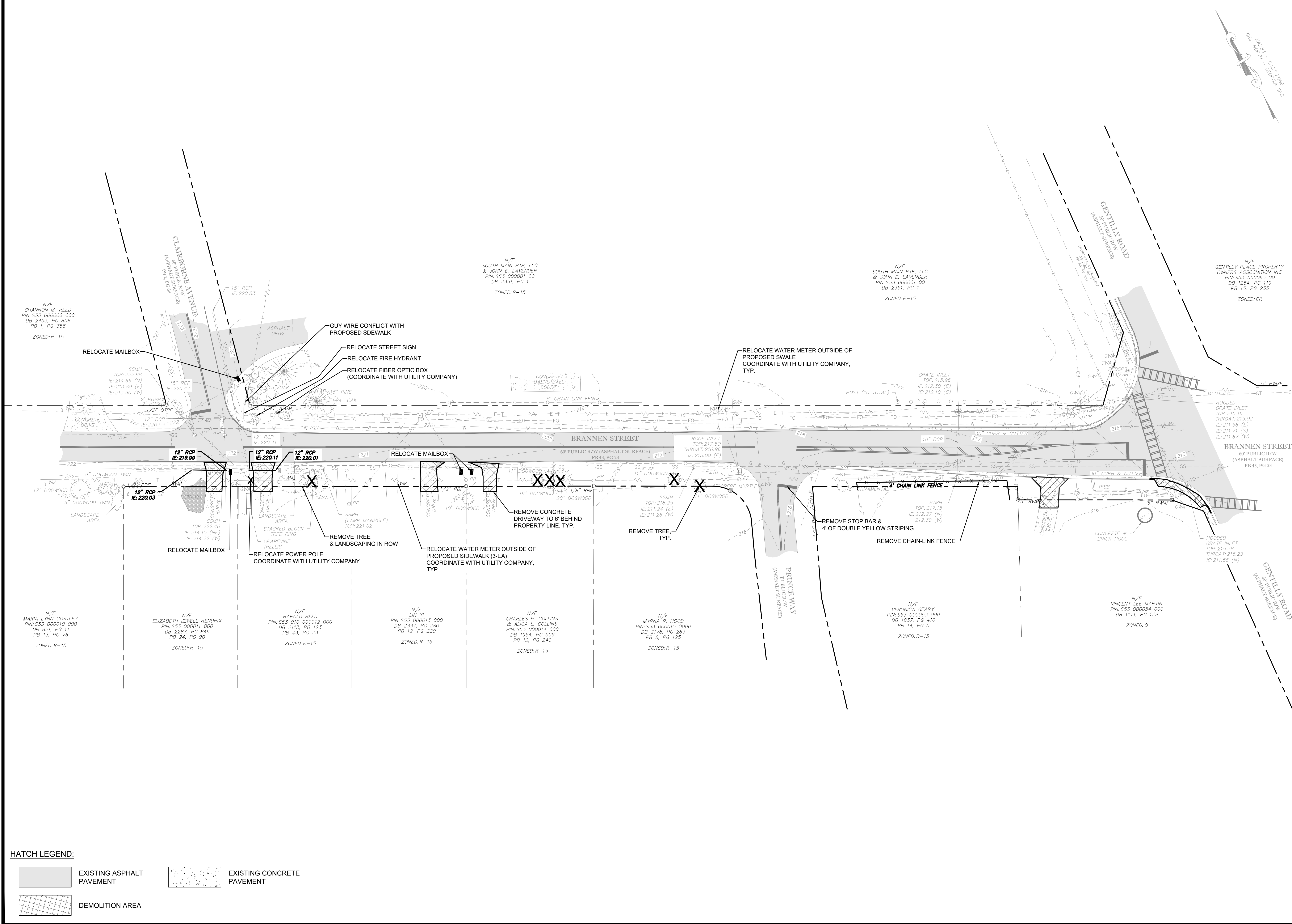


EMC ENGINEERING SERVICES, INC. logo and contact information: PO Box 2086, 1211 Merchant Way, Suite 201, Statesboro, GA 30458.

GENERAL NOTES: BRANNEN STREET SIDEWALK, BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD., STATESBORO, BULLOCH COUNTY, GEORGIA. Prepared for: CITY OF STATESBORO.

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019-01 BRANNEN STREET SIDEWALK.DWG 11/29/2022 12:11 PM

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019\_001 BRANNEN STREET SIDEWALK.DWG 11/29/2022 12:11 PM



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22

PRESTON ROGERS

**EMC ENGINEERING SERVICES, INC.**  
 1211 Merchant Way, Suite 201  
 Statesboro, GA 30458  
 Ph: (912) 764-7022  
 Fax: (912) 733-4880  
 statesboro@emc-eng.com  
 www.emc-eng.com

CIVIL MARINE ENVIRONMENTAL  
 ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS  
 GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

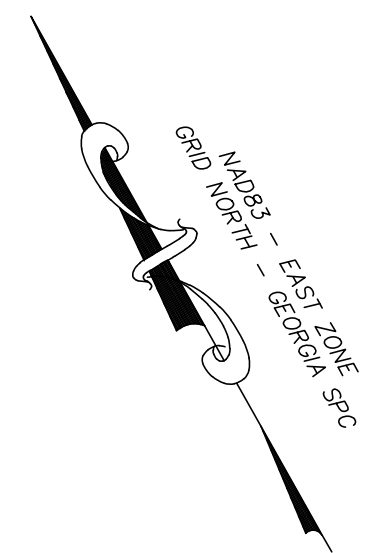
**EXISTING CONDITIONS & DEMOLITION PLAN**  
**BRANNEN STREET SIDEWALK**  
 BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.  
 STATESBORO, BULLOCH COUNTY, GEORGIA  
 Prepared for:  
**CITY OF STATESBORO**

PROJECT NO.:	22-2019
DRAWN BY:	KML
DESIGNED BY:	CPR
SURVEYED BY:	EMC
CHECKED BY:	CPR
SCALE:	1" = 30'
DATE:	08/03/2022

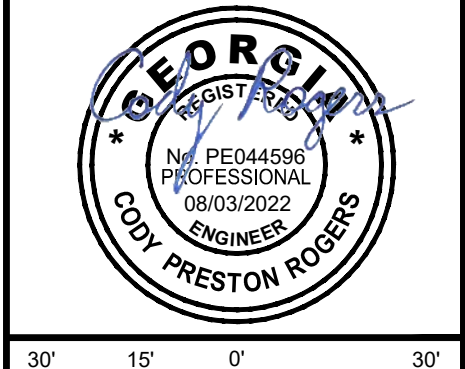
SHEET  
**3**  
 OF 11

**HATCH LEGEND:**

	EXISTING ASPHALT PAVEMENT		EXISTING CONCRETE PAVEMENT
	DEMOLITION AREA		



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22



**EMC ENGINEERING SERVICES, INC.**  
 PG Box 2086  
 1211 Merchant Way, Suite 201  
 Statesboro, GA 30458  
 Ph: (912) 764-7022  
 Fax: (912) 233-4880  
 www.emc-eng.com

CIVIL MARINE ENVIRONMENTAL  
 ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS  
 GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

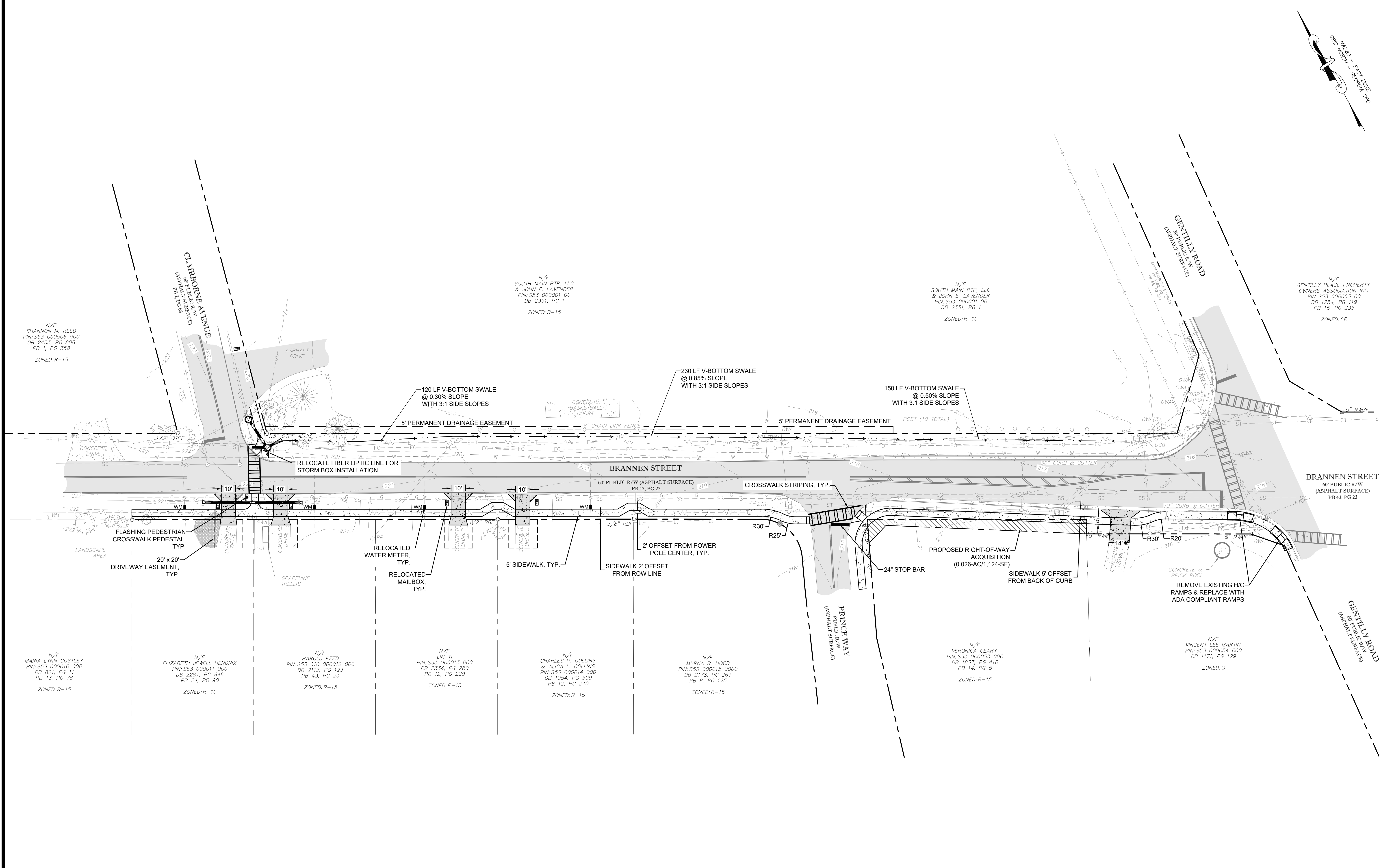
**STAKING PLAN**

**BRANNEN STREET SIDEWALK**  
 BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.  
 STATESBORO, BULLOCH COUNTY, GEORGIA

Prepared for:  
**CITY OF STATESBORO**

PROJECT NO.:	22-2019
DRAWN BY:	KML
DESIGNED BY:	CPR
SURVEYED BY:	EMC
SURVEY DATE:	04/04/2022
CHECKED BY:	CPR
SCALE:	1" = 30'
DATE:	08/03/2022

SHEET  
**4**  
 OF 11



**HATCH LEGEND:**

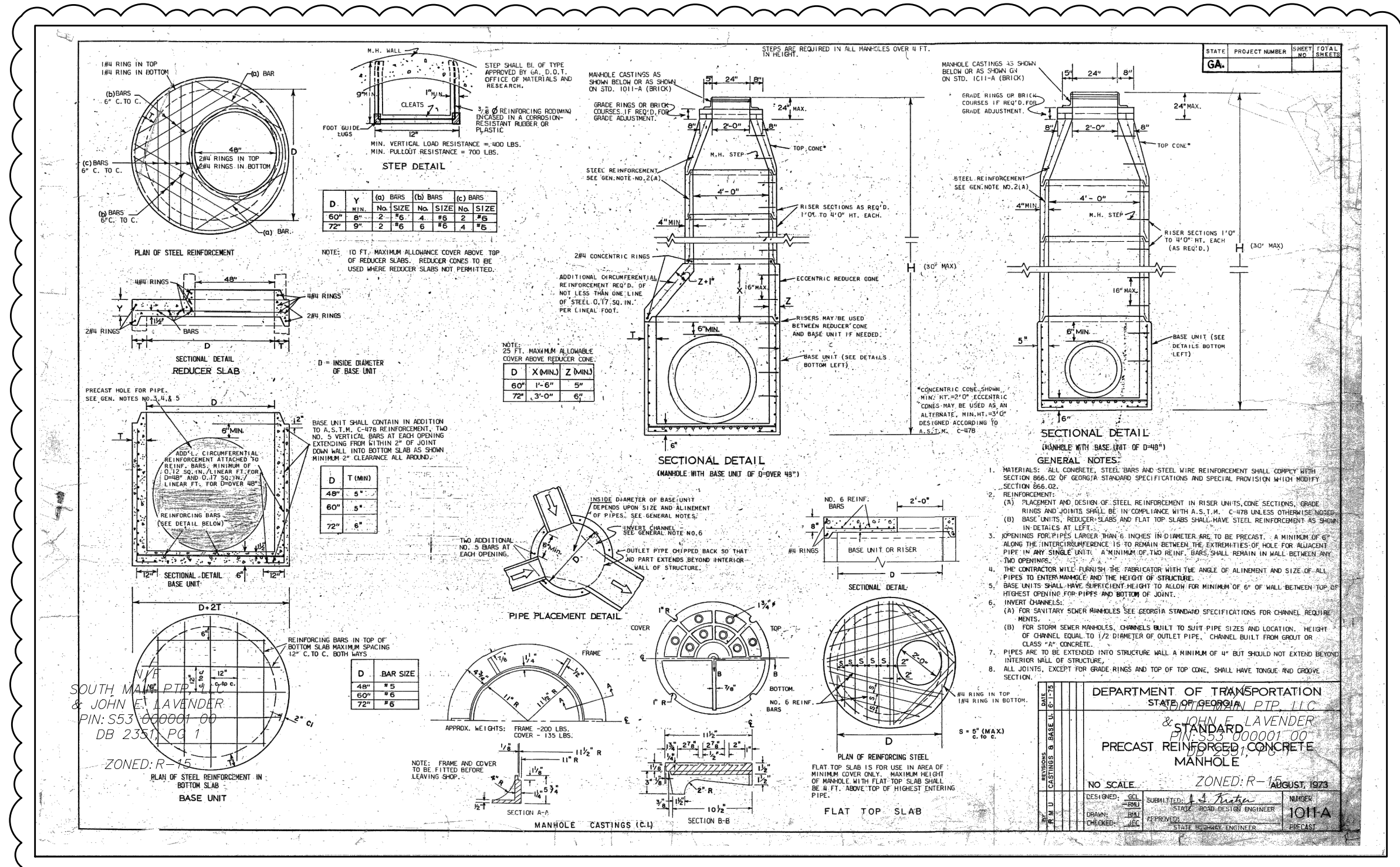
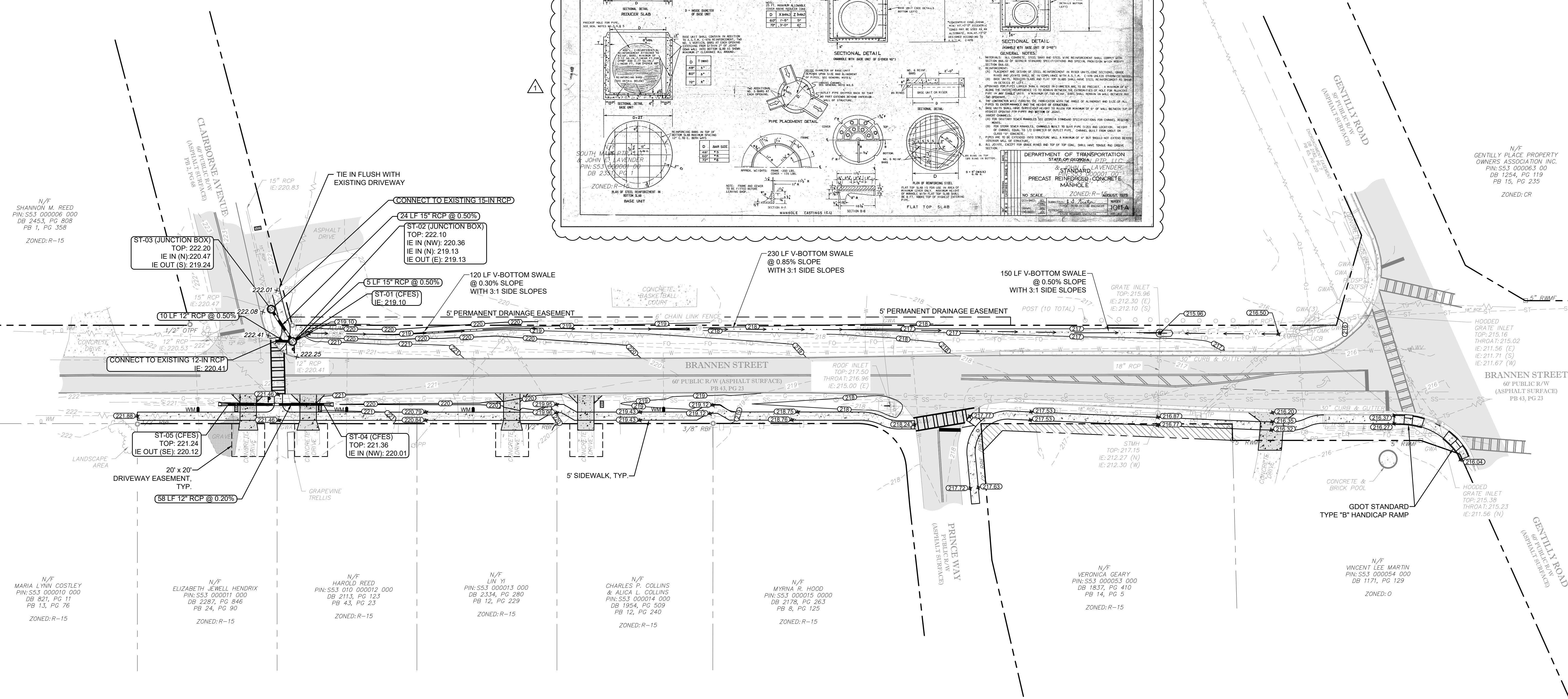
	EXISTING ASPHALT PAVEMENT		EXISTING CONCRETE PAVEMENT
	PROPOSED CONCRETE SIDEWALK		PROPOSED LIGHT DUTY CONCRETE
	PROPOSED RIGHT-OF-WAY ACQUISITION		

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019C\_BDI\_BRANNEN STREET SIDEWALK.DWG 11/29/2022 12:11 PM

G:\22-22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019\6\_BDI BRANNEN STREET SIDEWALK.DWG 11/29/2022 12:11 PM

HATCH LEGEND:

	EXISTING ASPHALT PAVEMENT		EXISTING CONCRETE PAVEMENT
	PROPOSED CONCRETE SIDEWALK		PROPOSED LIGHT DUTY CONCRETE
	PROPOSED RIGHT-OF-WAY ACQUISITION		



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22

N/F  
GENTILLY PLACE PROPERTY OWNERS ASSOCIATION INC.  
PIN:SS3 000063 00  
DB 1254, PG 119  
PB 15, PG 235  
ZONED:CR

15' 0" 30'  
GRAPHIC SCALE: 1" = 30'

**EMC ENGINEERING SERVICES, INC.**  
 PG Box 2086  
 1211 Merchant Way, Suite 201  
 Statesboro, GA 30458  
 Ph: (912) 764-7022  
 Fax: (912) 733-4880  
 statesboro@emc-eng.com  
 www.emc-eng.com

CIVIL  
MARINE  
ENVIRONMENTAL

ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS  
GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

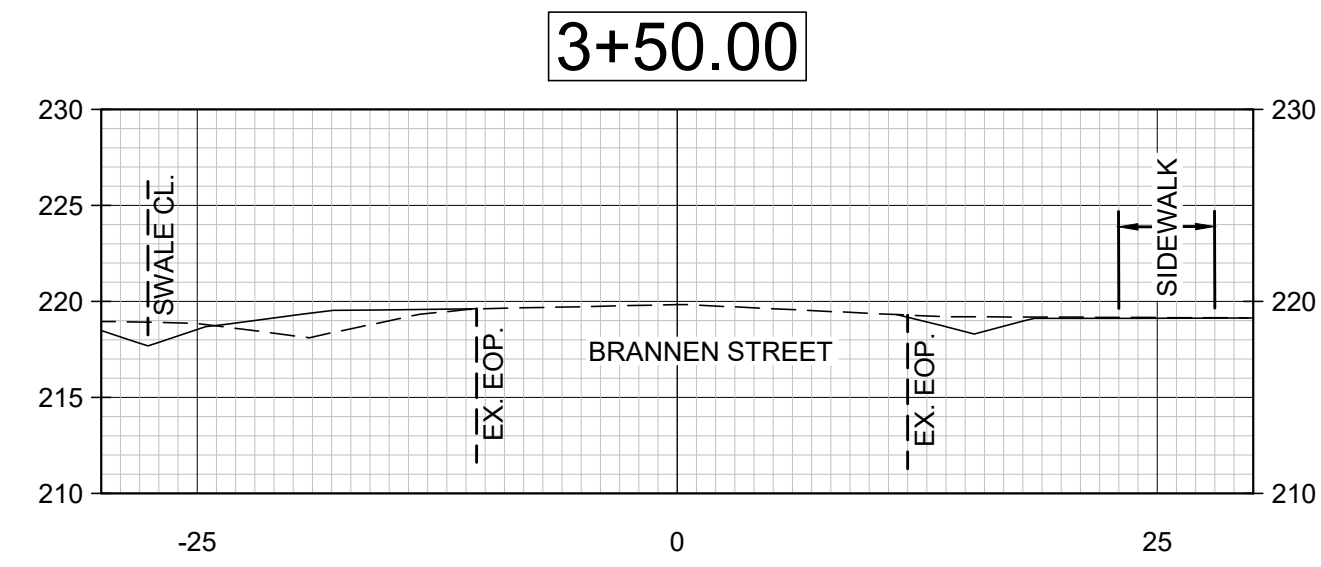
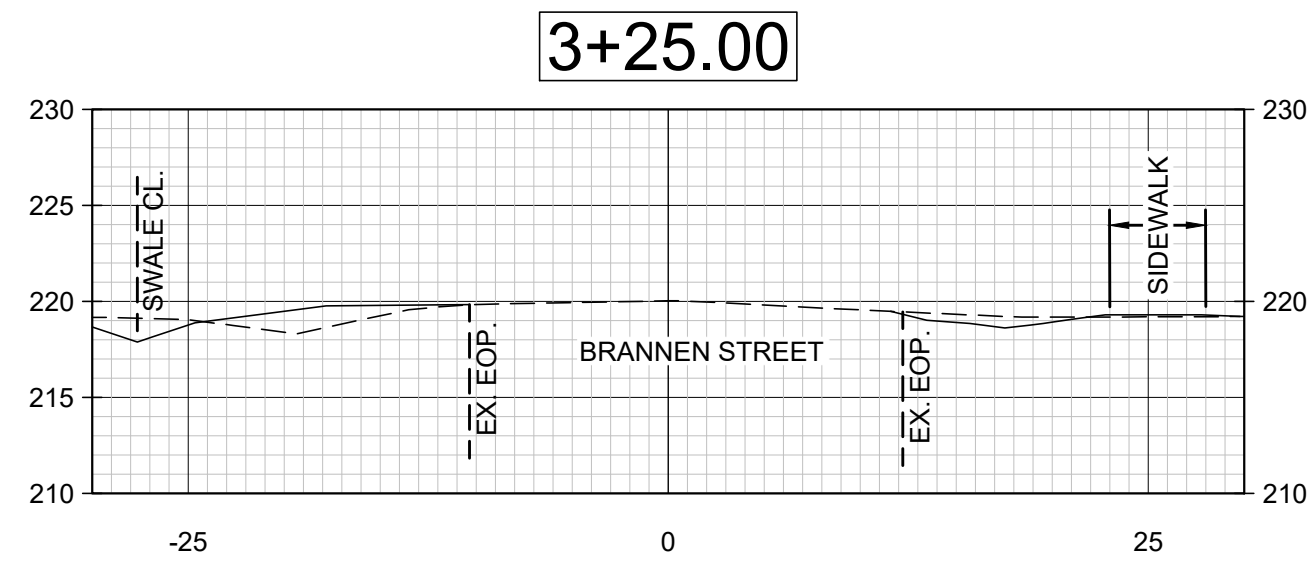
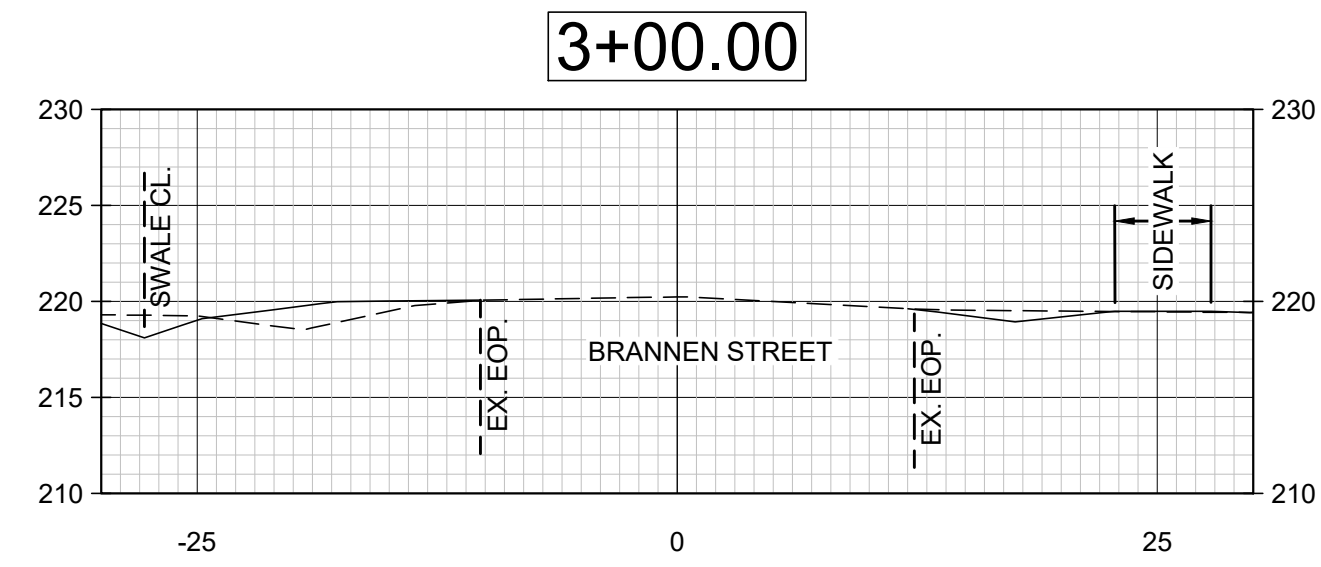
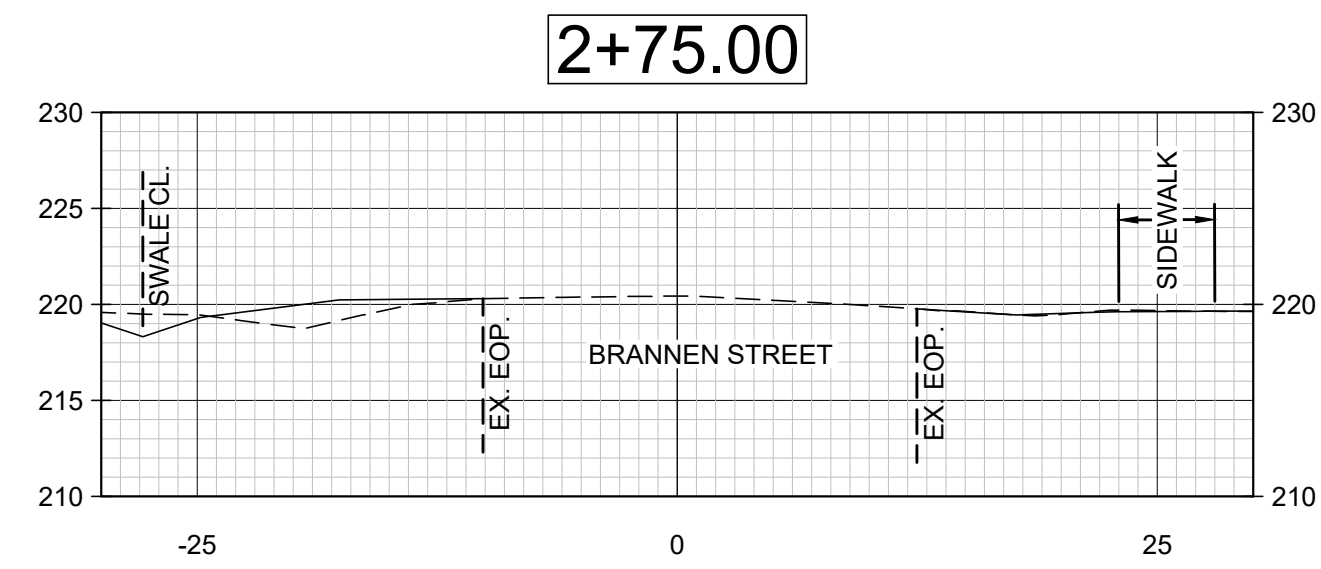
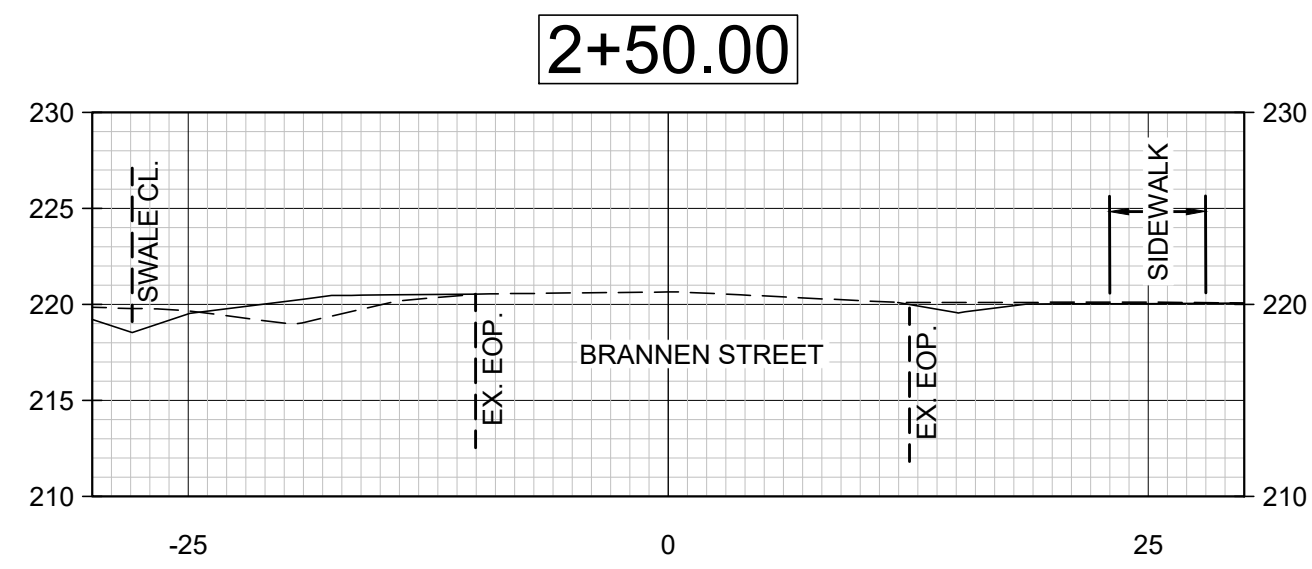
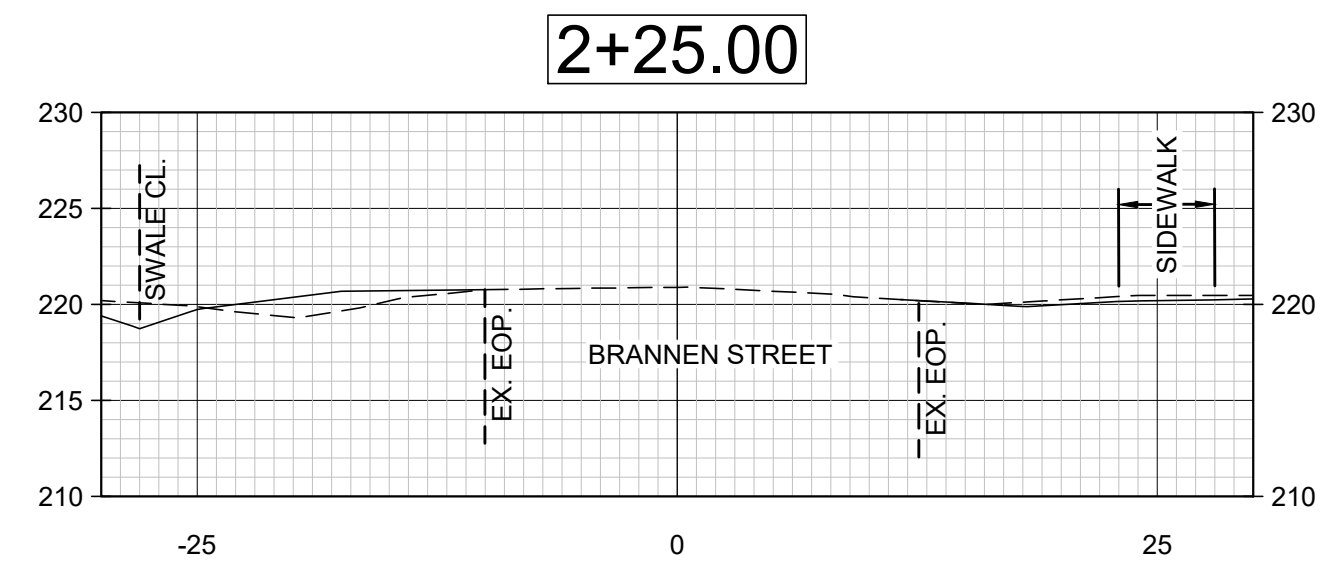
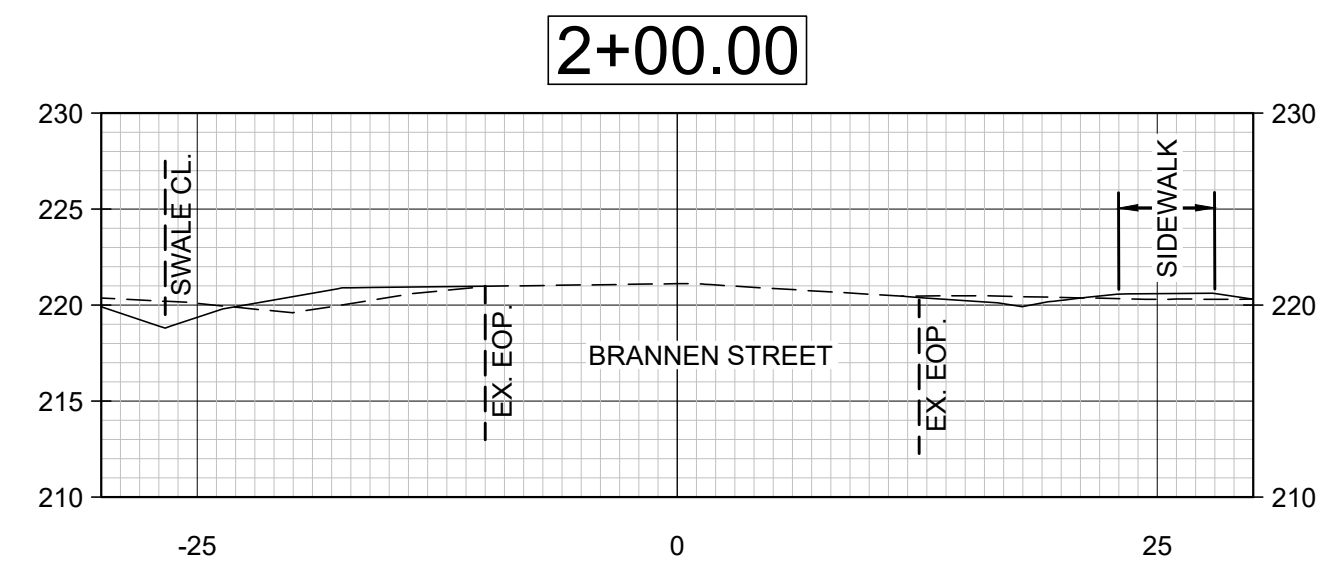
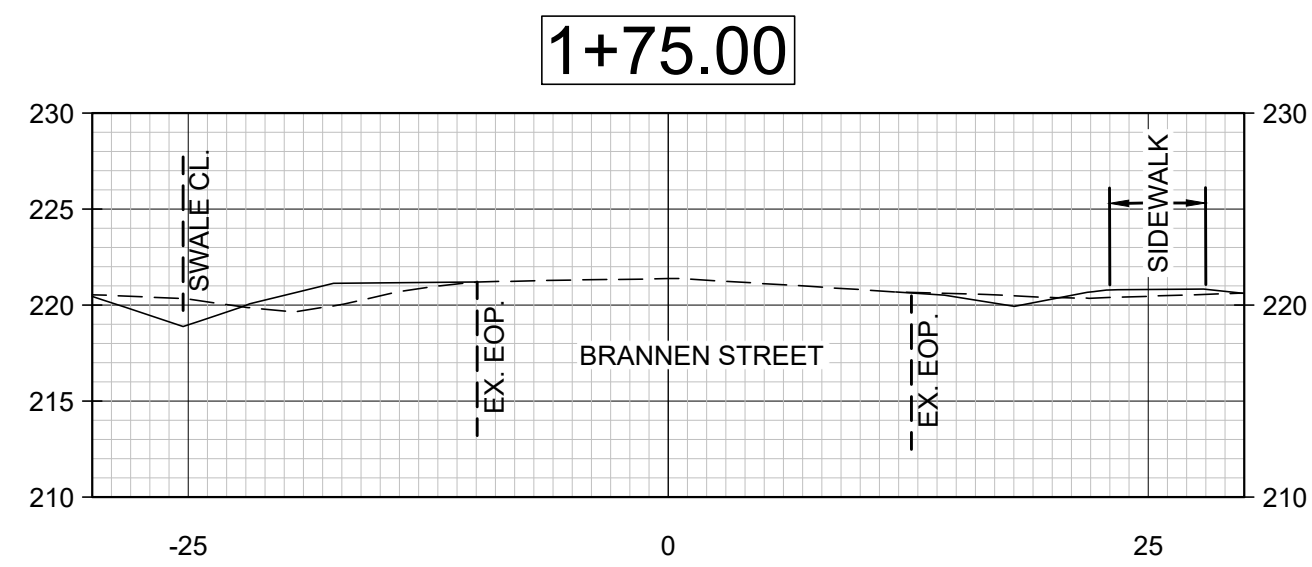
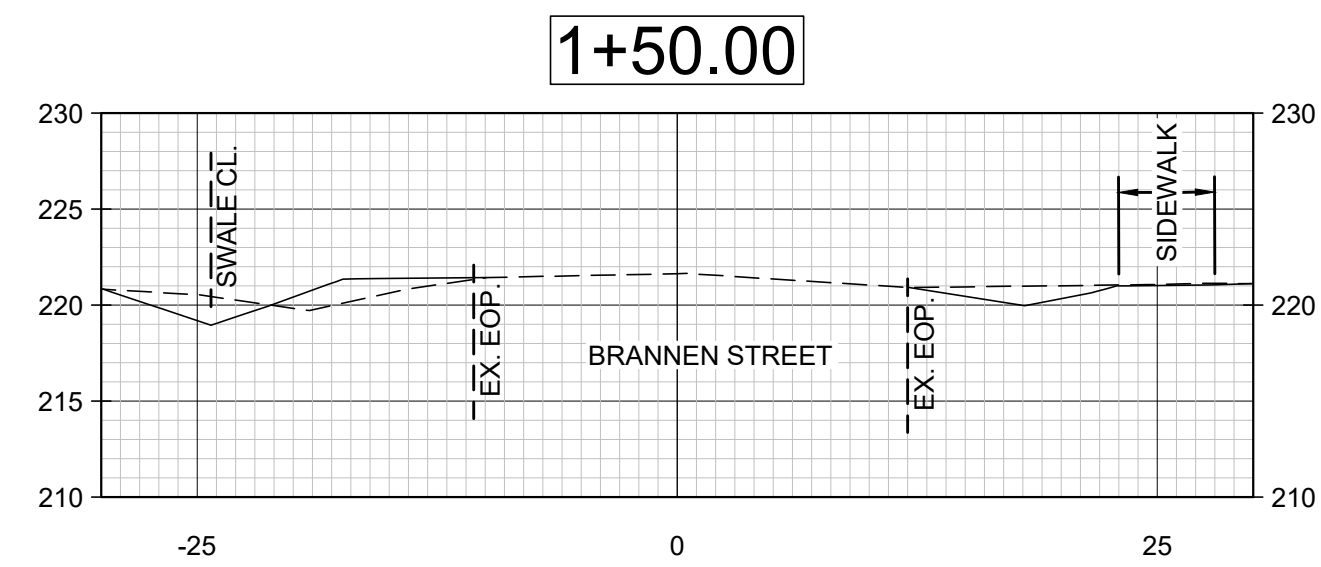
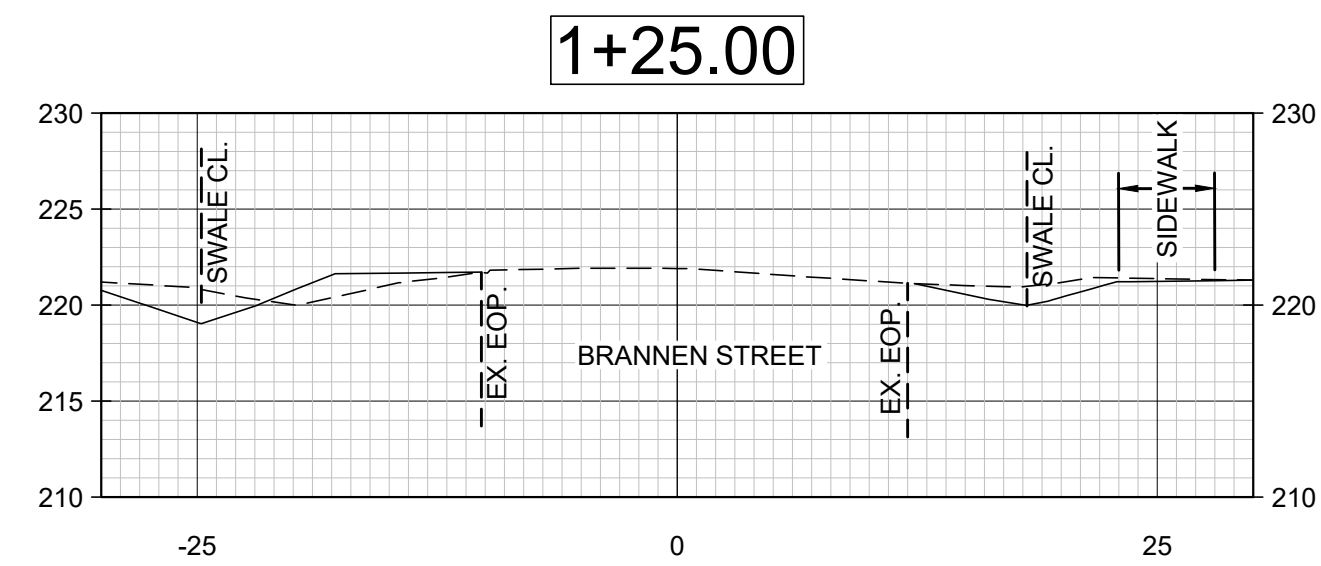
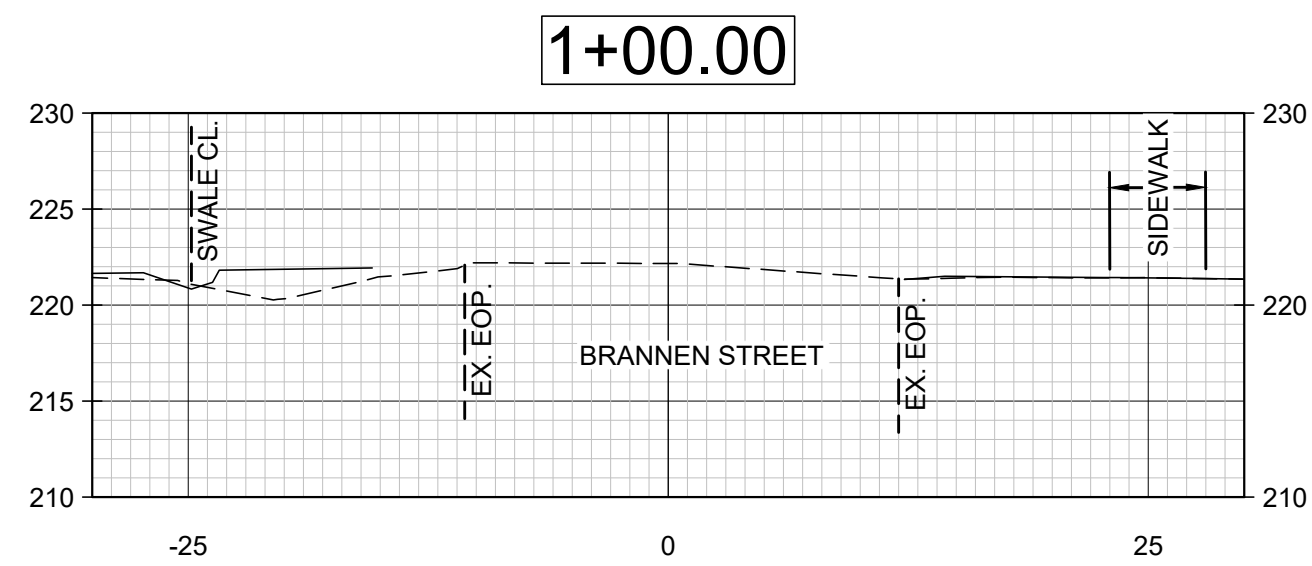
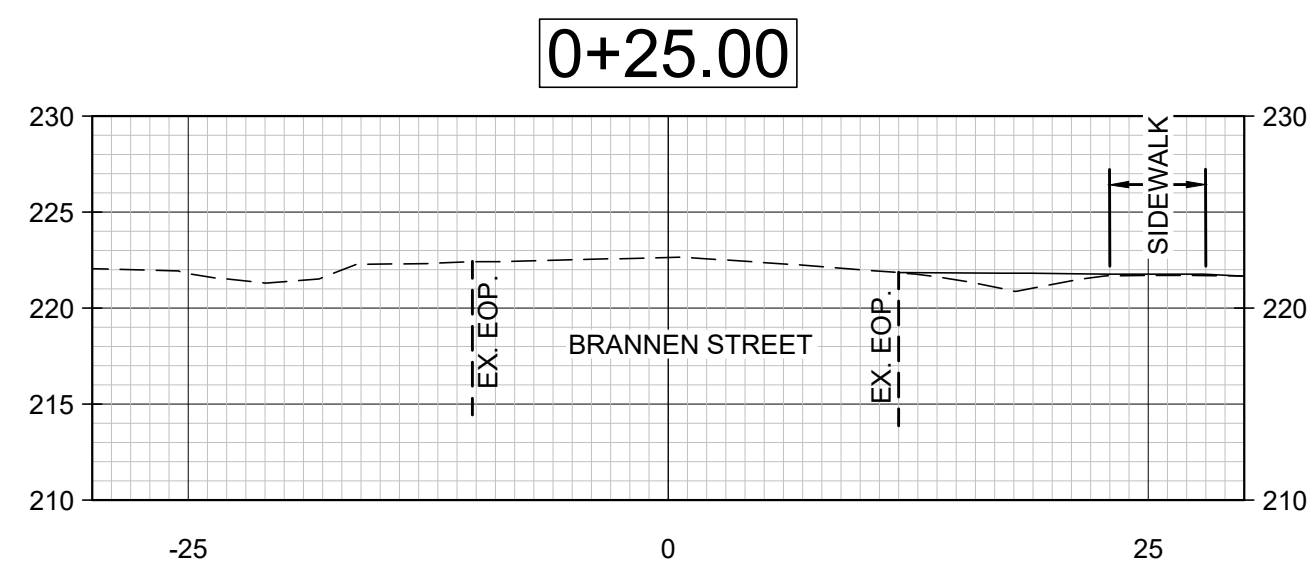
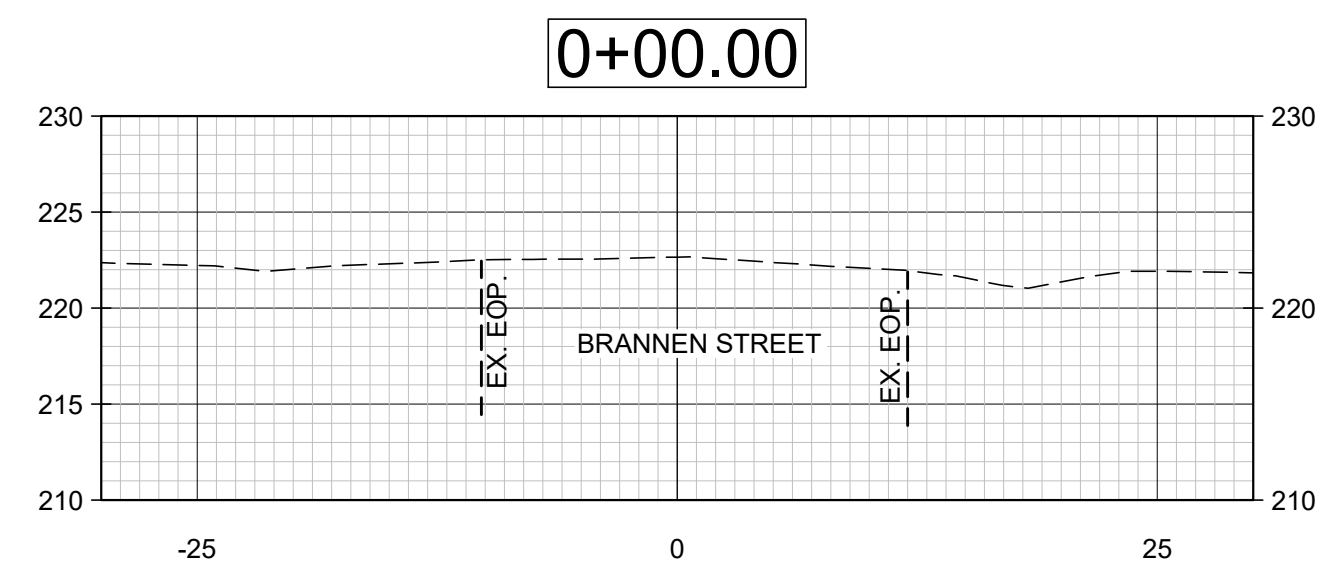
**PAVING, GRADING & DRAINAGE PLAN**

**BRANNEN STREET SIDEWALK**  
 BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.  
 STATESBORO, BULLOCH COUNTY, GEORGIA

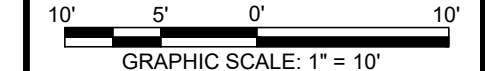
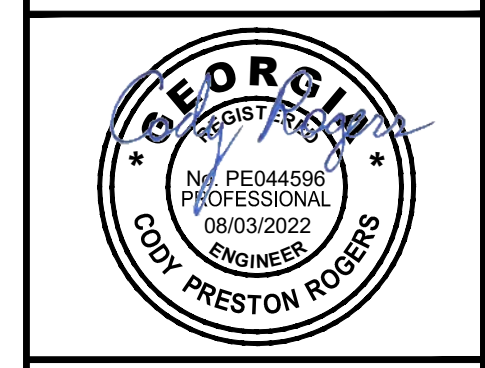
Prepared for:  
**CITY OF STATESBORO**

PROJECT NO.:	22-2019
DRAWN BY:	KML
DESIGNED BY:	CPR
SURVEYED BY:	EMC
SURVEY DATE:	04/04/2022
CHECKED BY:	CPR
SCALE:	1" = 30'
DATE:	08/03/2022

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019 CROSS SECTIONS.DWG 11/29/2022 12:11 PM



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22



**EMC ENGINEERING SERVICES, INC.**  
 PO Box 2086  
 1211 Merchant Way, Suite 201  
 Statesboro, GA 30458  
 Ph: (912) 764-7022  
 Fax: (912) 233-4880  
 statesboro@emc-eng.com  
 www.emc-eng.com

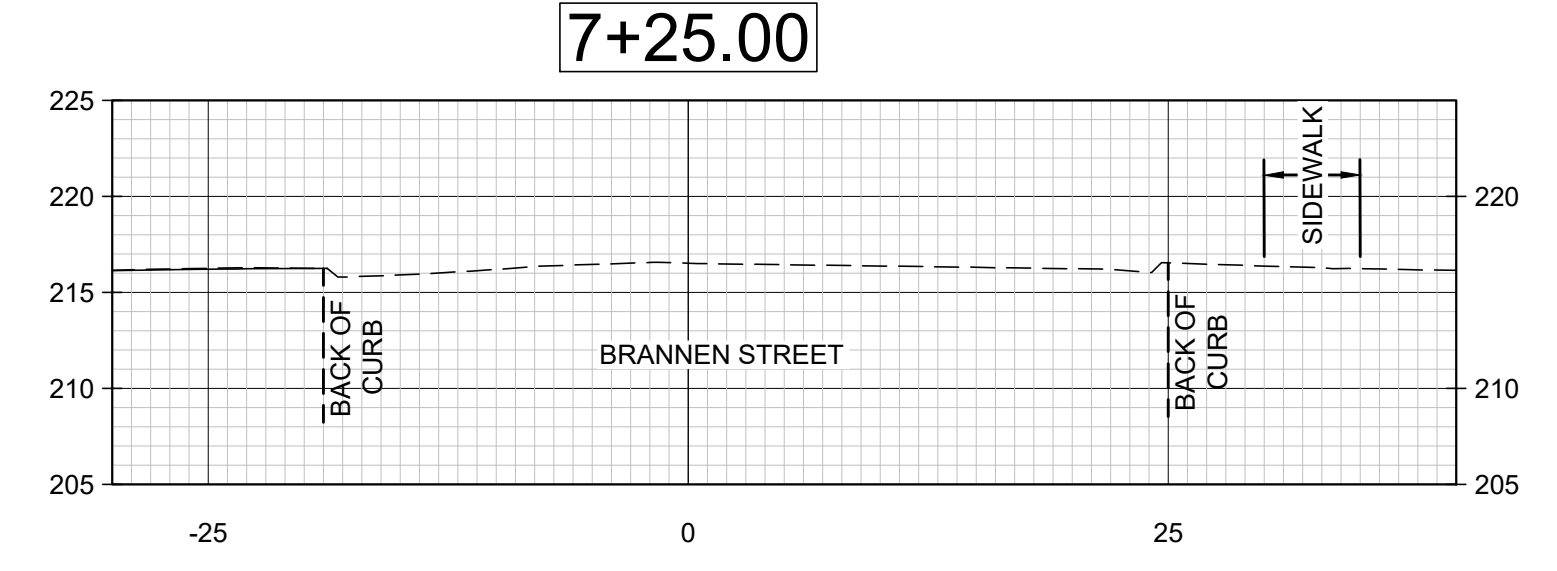
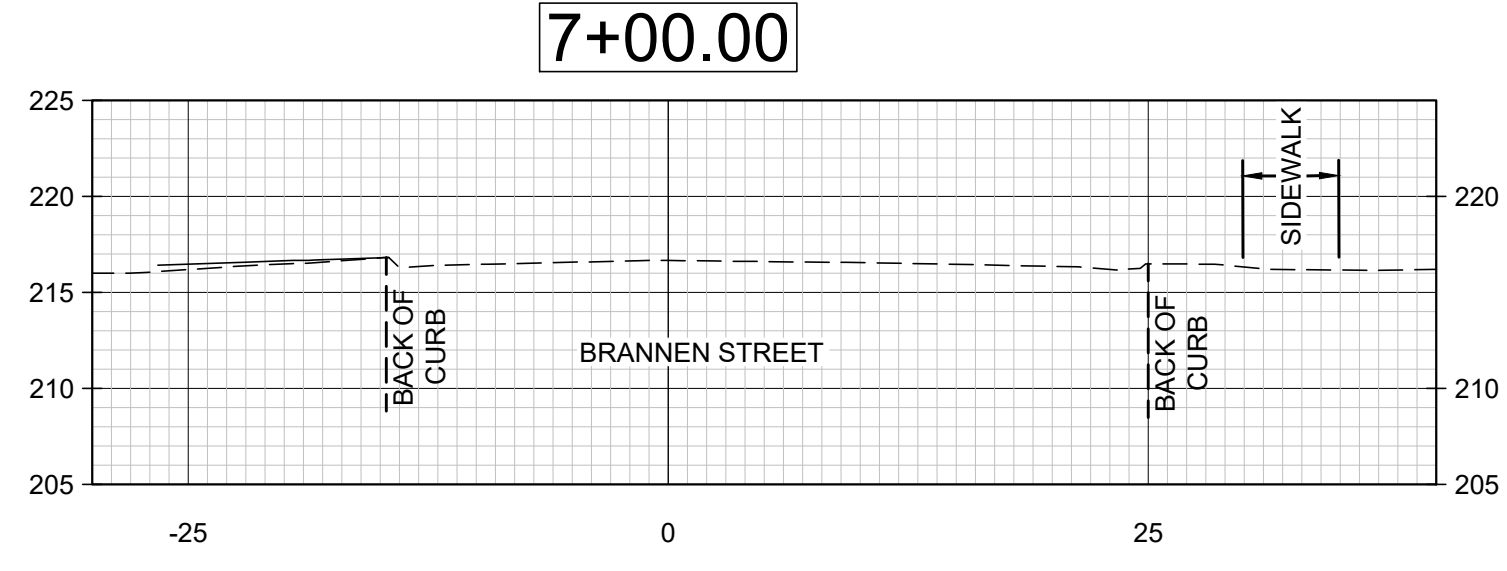
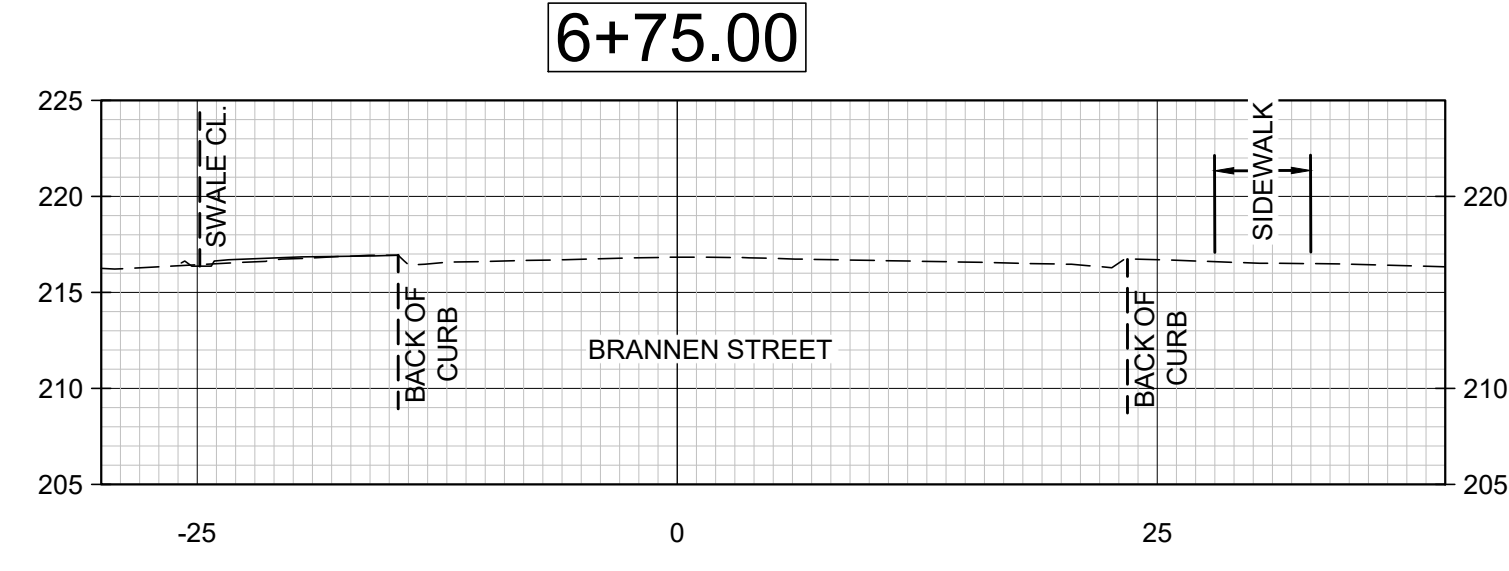
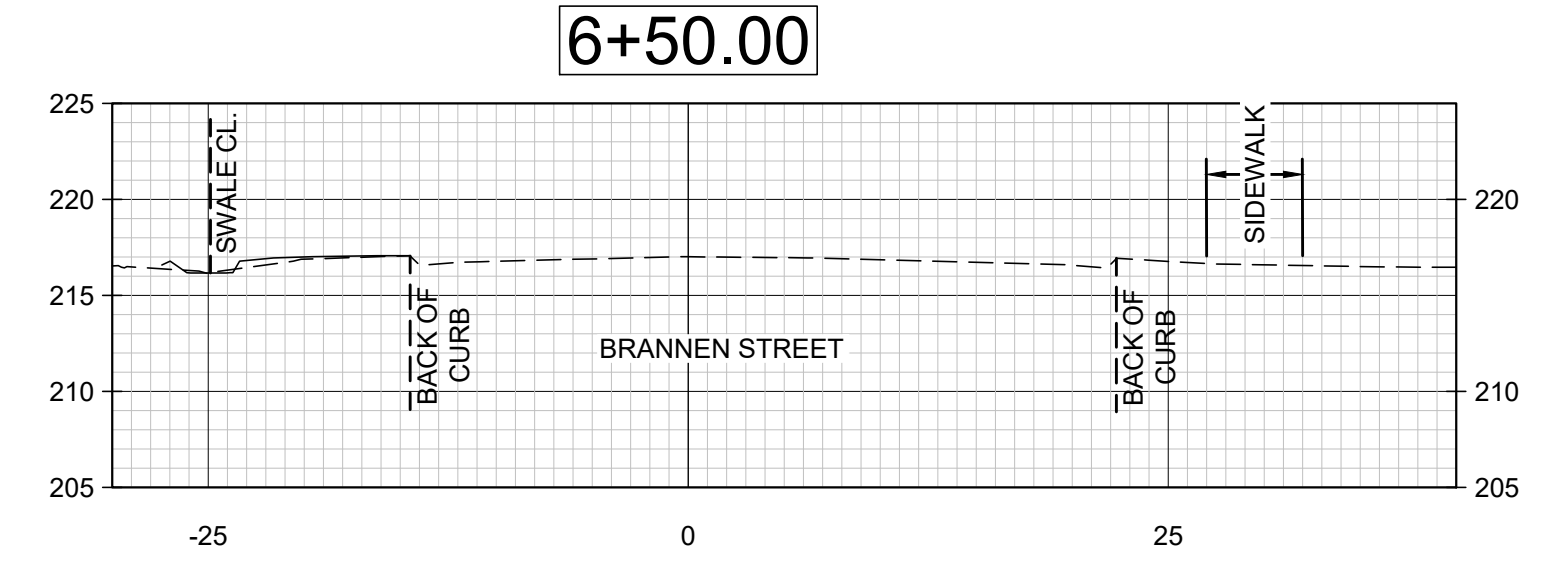
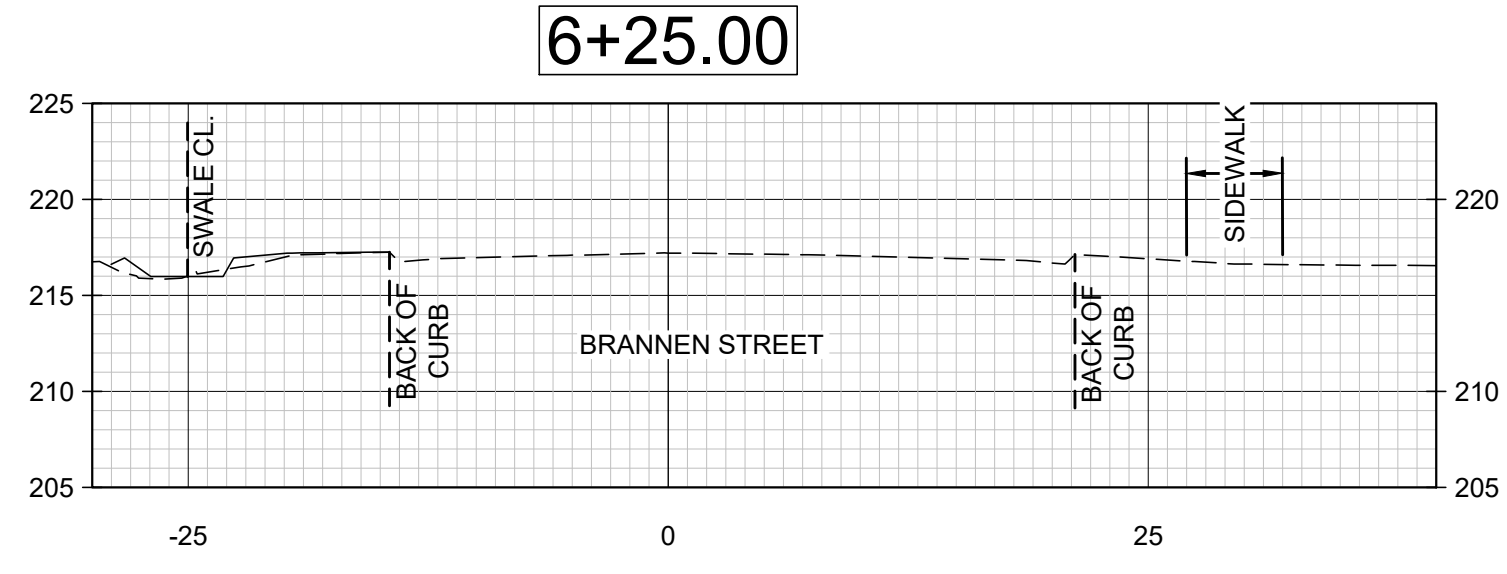
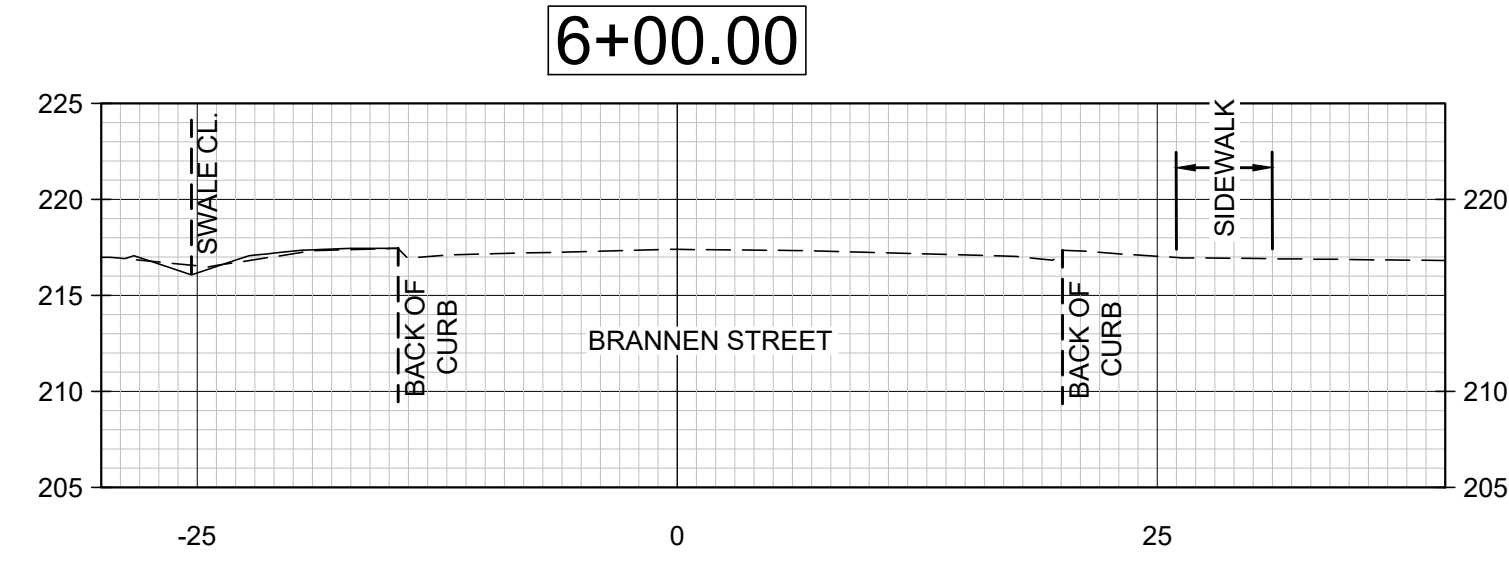
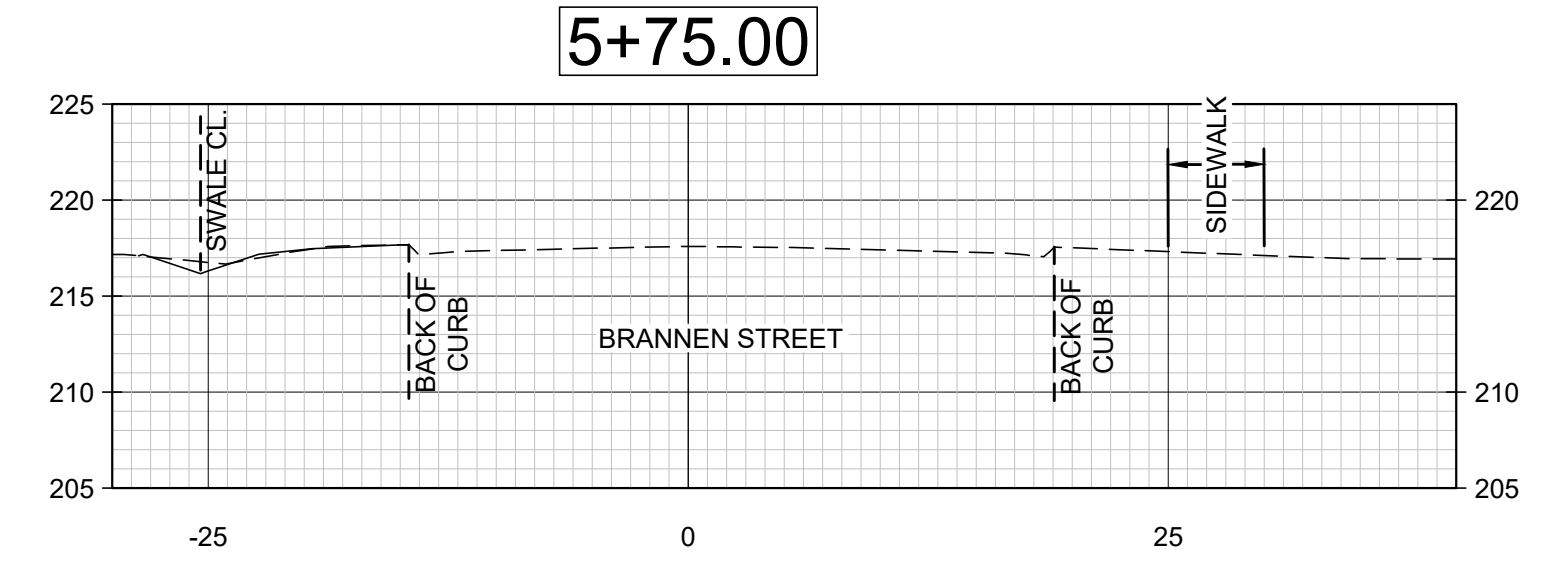
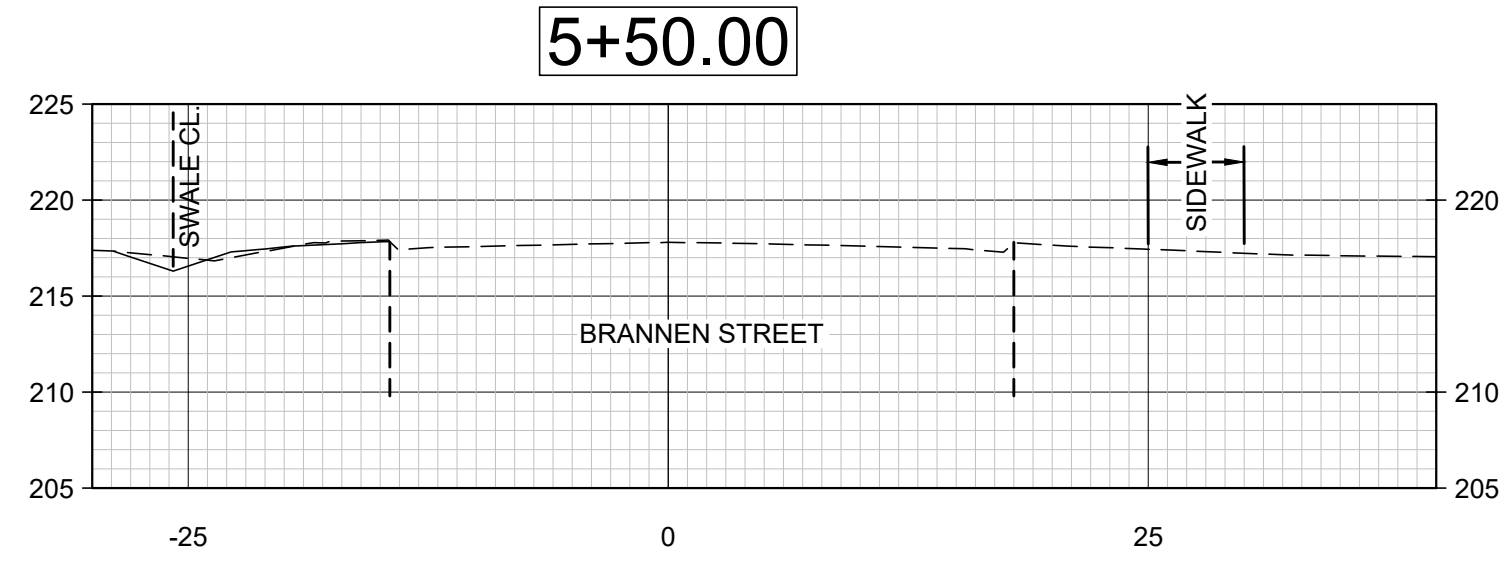
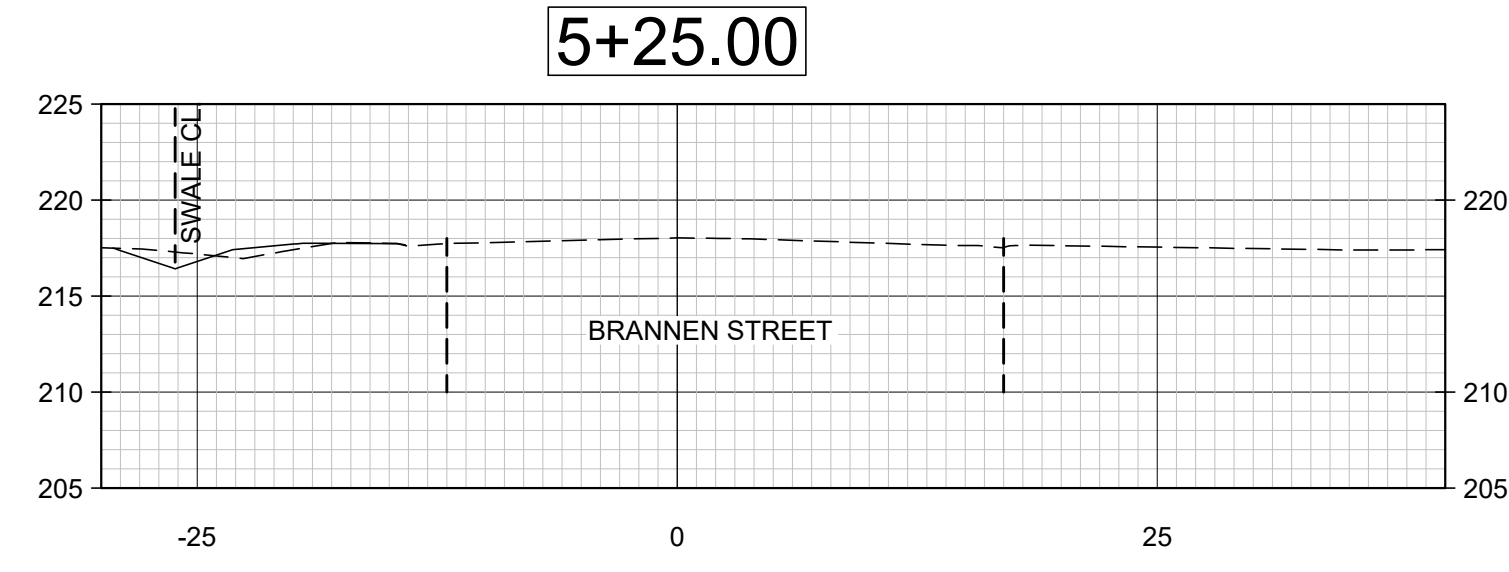
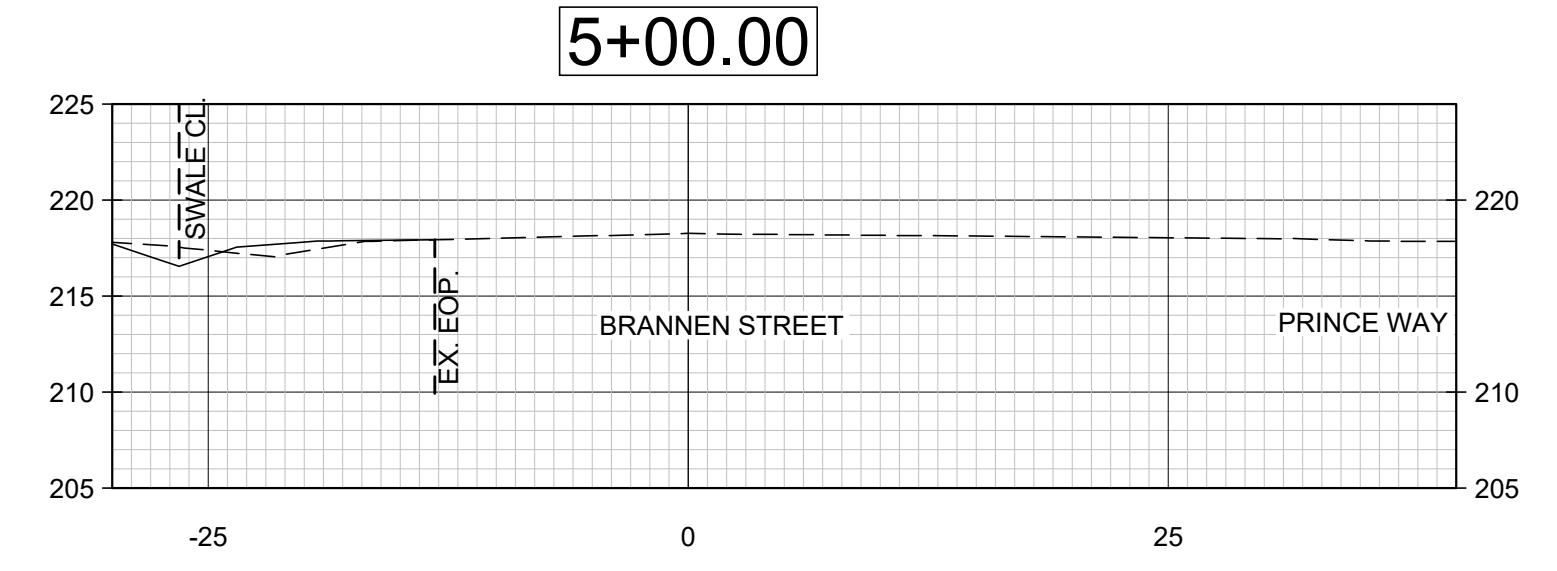
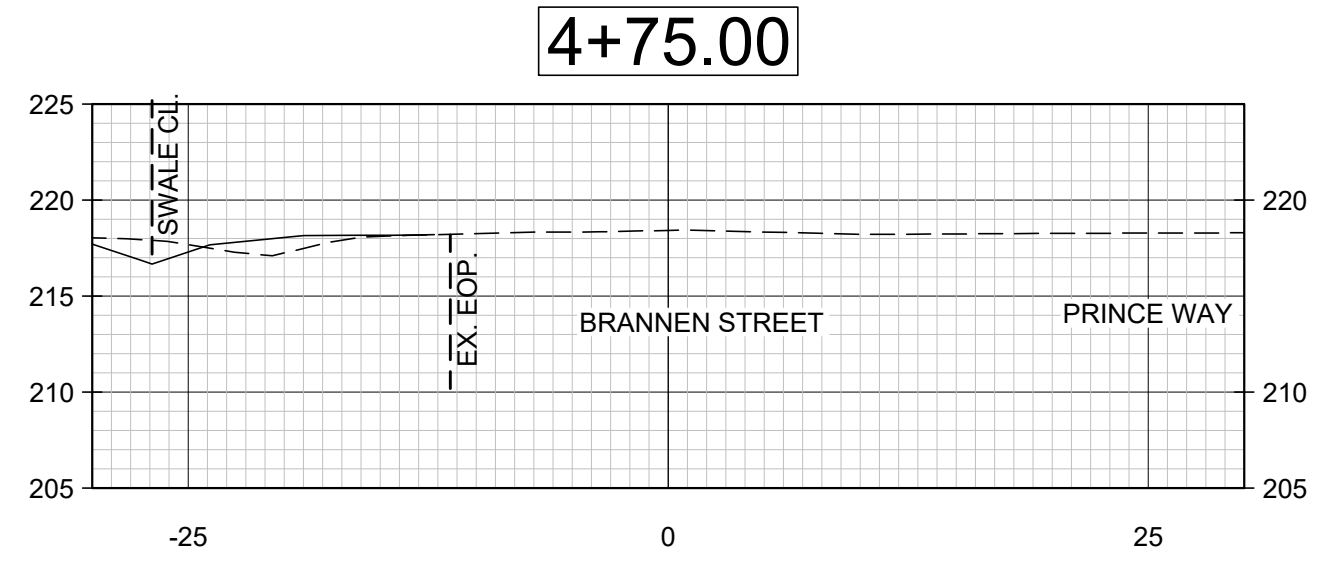
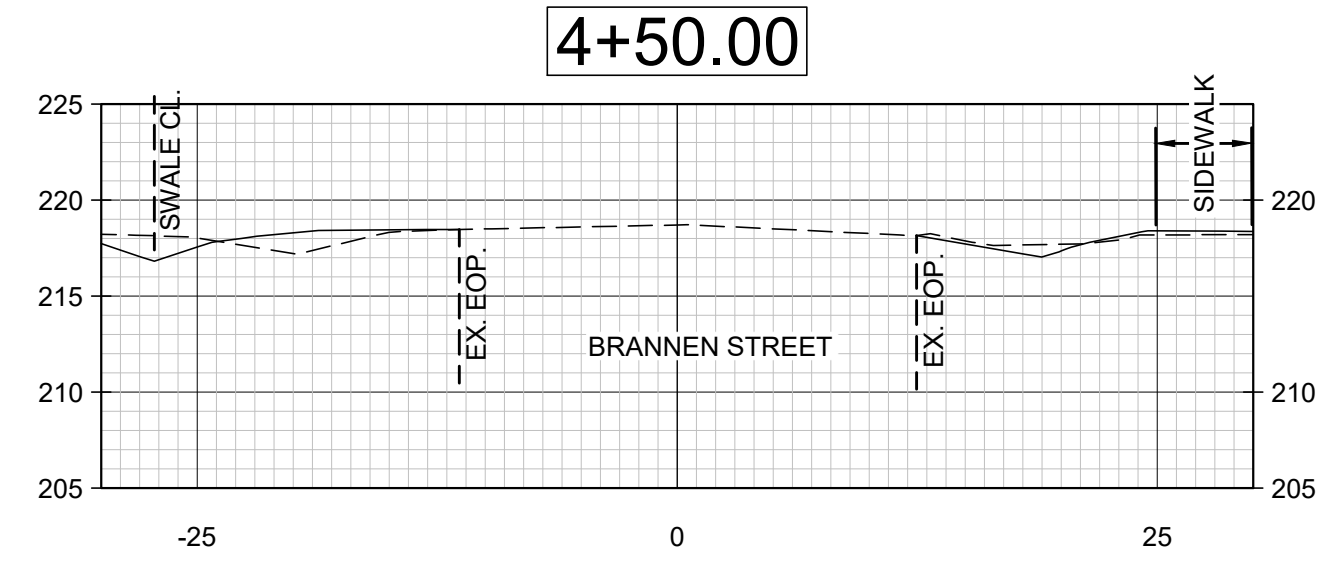
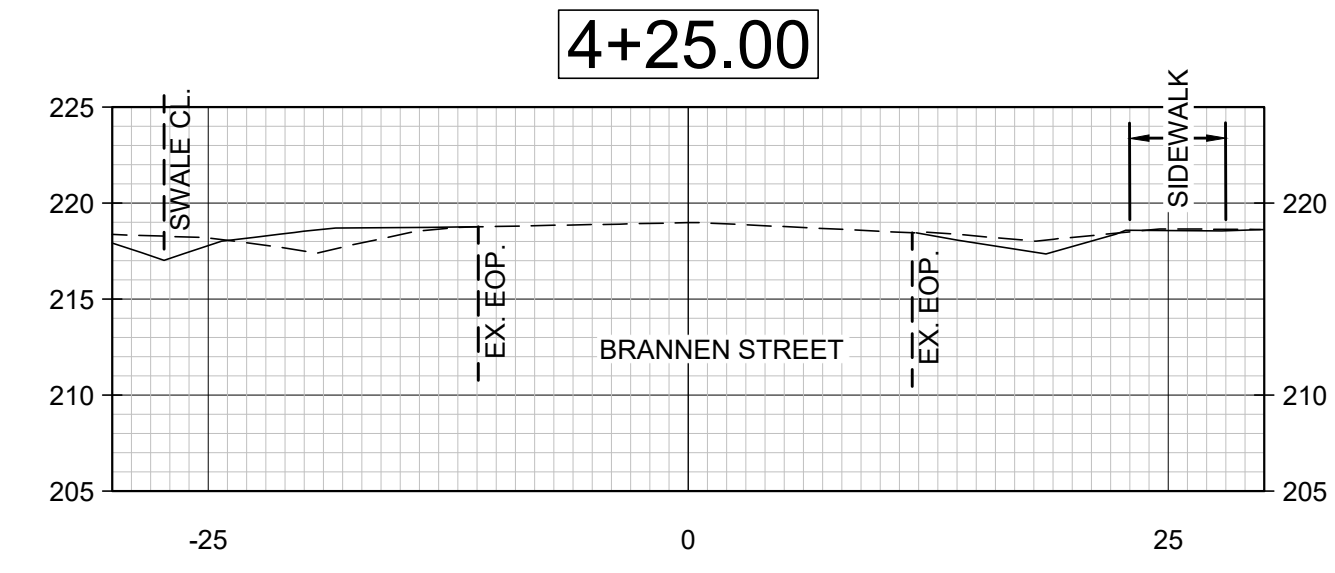
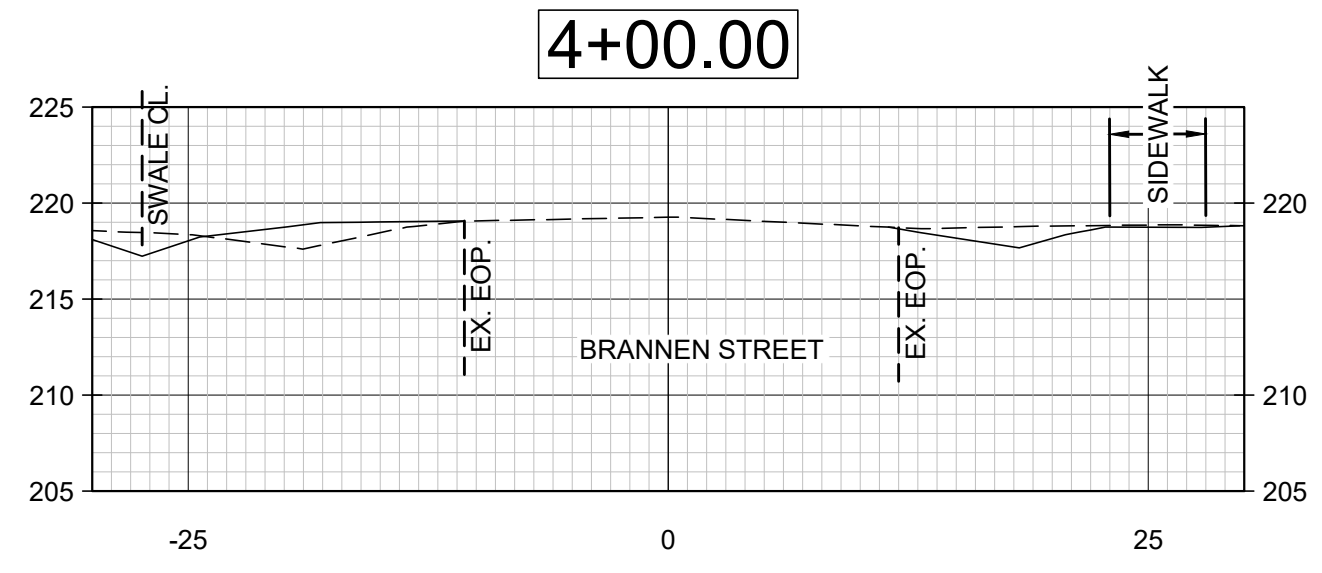
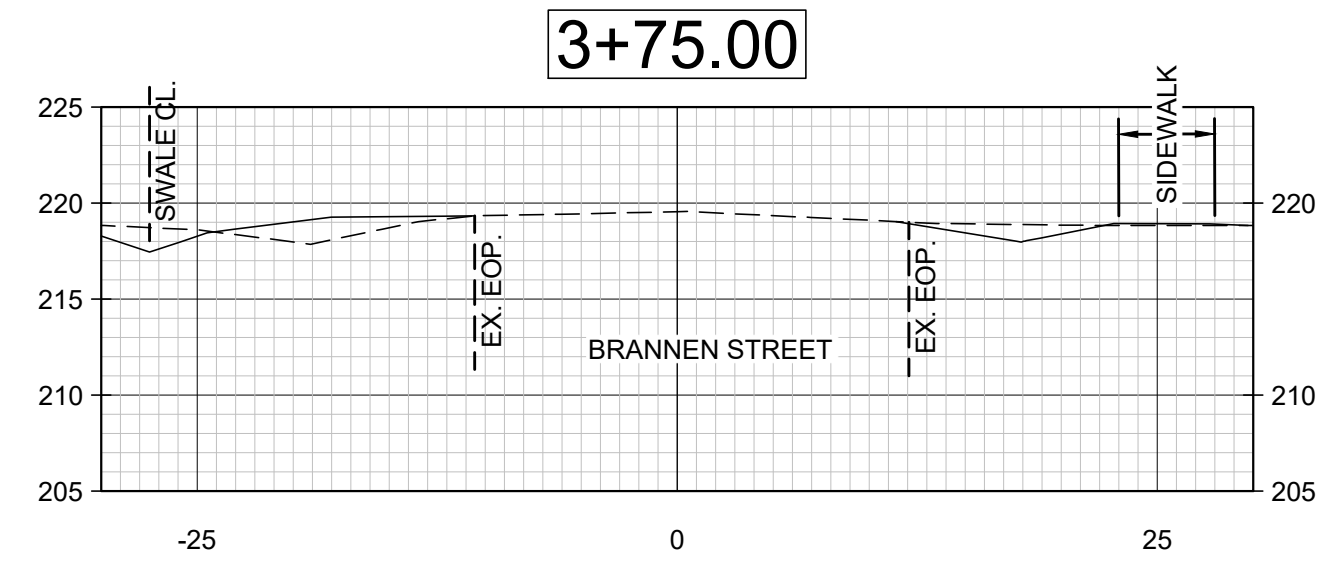
**EMC**  
 CIVIL  
 MARINE  
 ENVIRONMENTAL

ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS • GREENVILLE  
 SAVANNAH • STATESBORO • THOMASTON • VALDOSTA • WARNER ROBINS

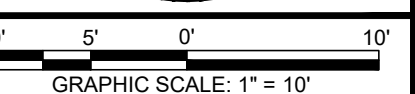
BRANNEN STREET CROSS SECTIONS  
**BRANNEN STREET SIDEWALK**  
 BRANNEN STREET FROM CLAIRBOURNE AVE. TO GENTILLY RD.  
 STATESBORO, BULLOCH COUNTY, GEORGIA  
 Prepared for:  
 CITY OF STATESBORO

PROJECT NO.:	22-2019
DRAWN BY:	.
DESIGNED BY:	.
SURVEYED BY:	.
CHECKED BY:	.
SCALE:	1" = 10'
DATE:	08/03/2022

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019 CROSS SECTIONS.DWG 11/29/2022 12:11 PM



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22



**EMC ENGINEERING SERVICES, INC.**  
 PO Box 2086  
 1211 Merchant Way, Suite 201  
 Statesboro, GA 30458  
 Ph: (912) 764-7022  
 Fax: (912) 233-4880  
 statesboro@emc-eng.com  
 www.emc-eng.com

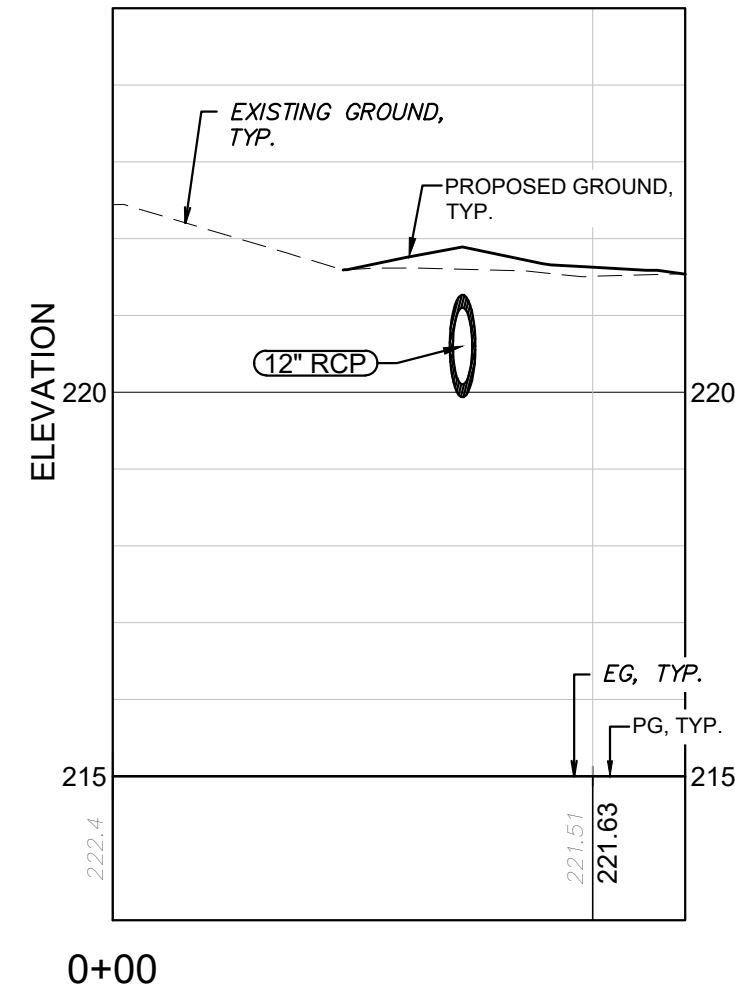
**EMC**  
 CIVIL  
 MARINE  
 ENVIRONMENTAL

ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS • GREENVILLE  
 SAVANNAH • STATESBORO • THOMASTON • VALDOSTA • WARNER ROBINS

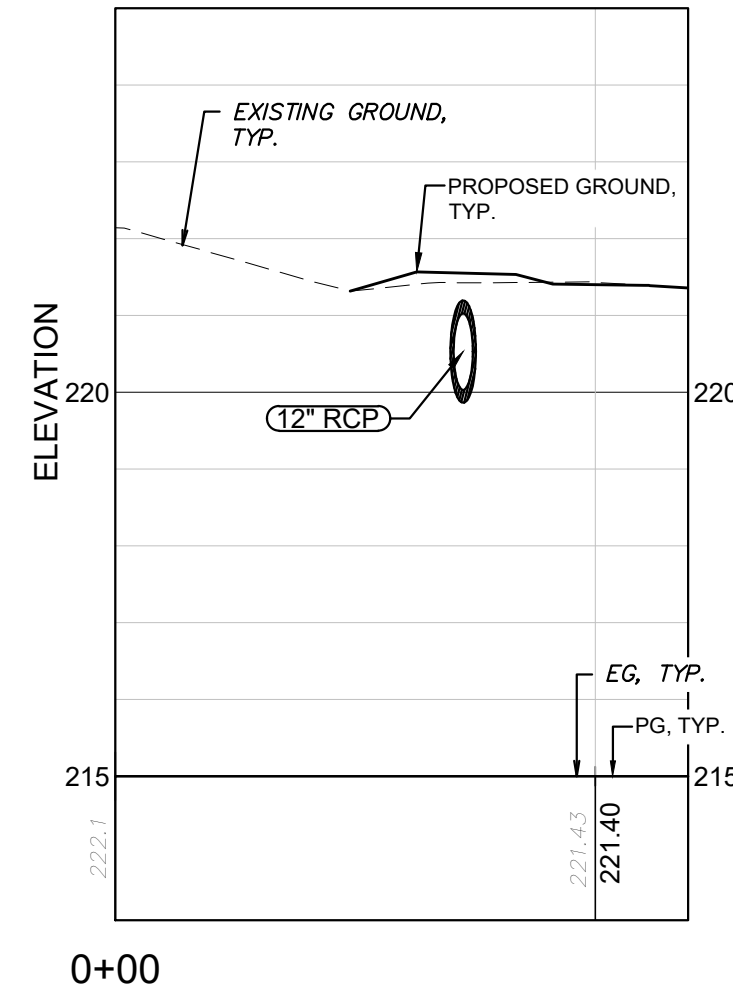
**BRANNEN STREET CROSS SECTIONS**  
**BRANNEN STREET SIDEWALK**  
 BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.  
 STATESBORO, BULLOCH COUNTY, GEORGIA  
 Prepared for:  
**CITY OF STATESBORO**

PROJECT NO.:	22-2019
DRAWN BY:	.
DESIGNED BY:	.
SURVEYED BY:	.
CHECKED BY:	.
SCALE:	1" = 10'
DATE:	08/03/2022

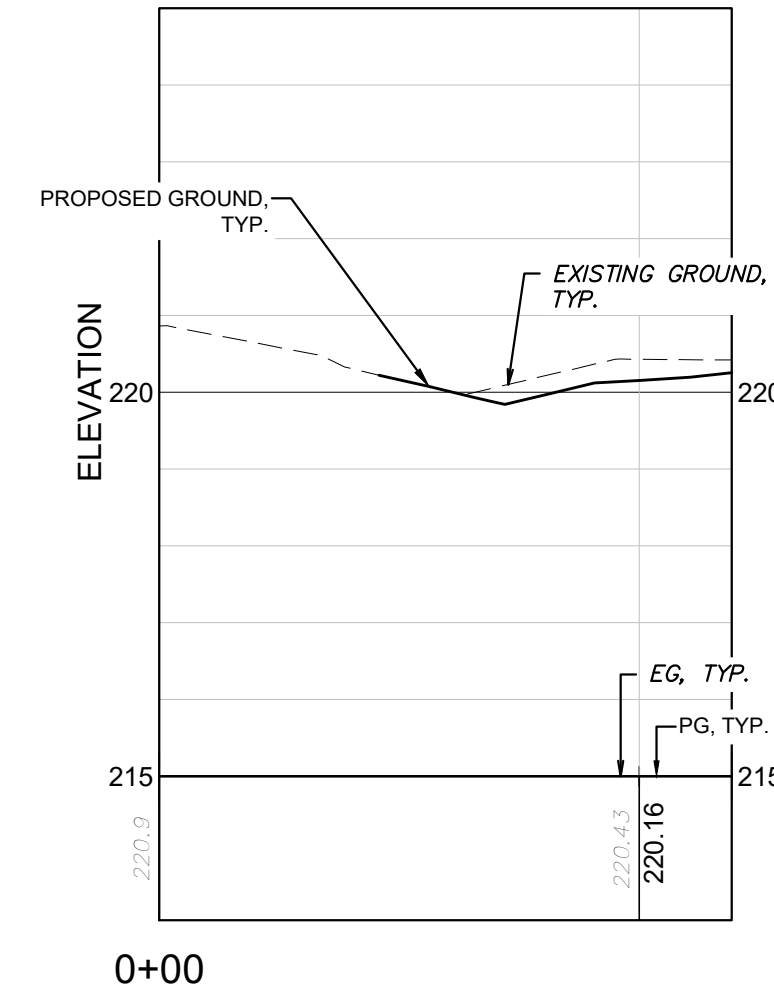
G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019G\_B01 BRANNEN STREET SIDEWALK.DWG 11/29/2022 12:11 PM



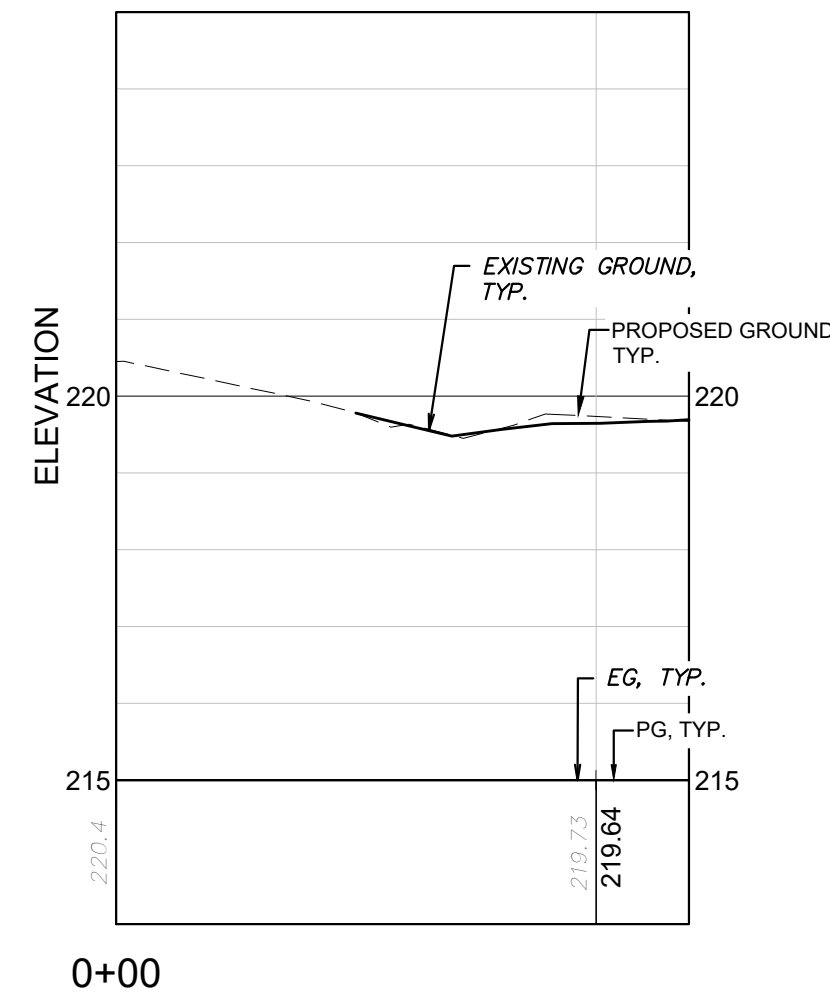
**DRIVEWAY 0+67 PROFILE**  
 HORZ SCALE: 1" = 10'  
 VERT SCALE: 1" = 2'



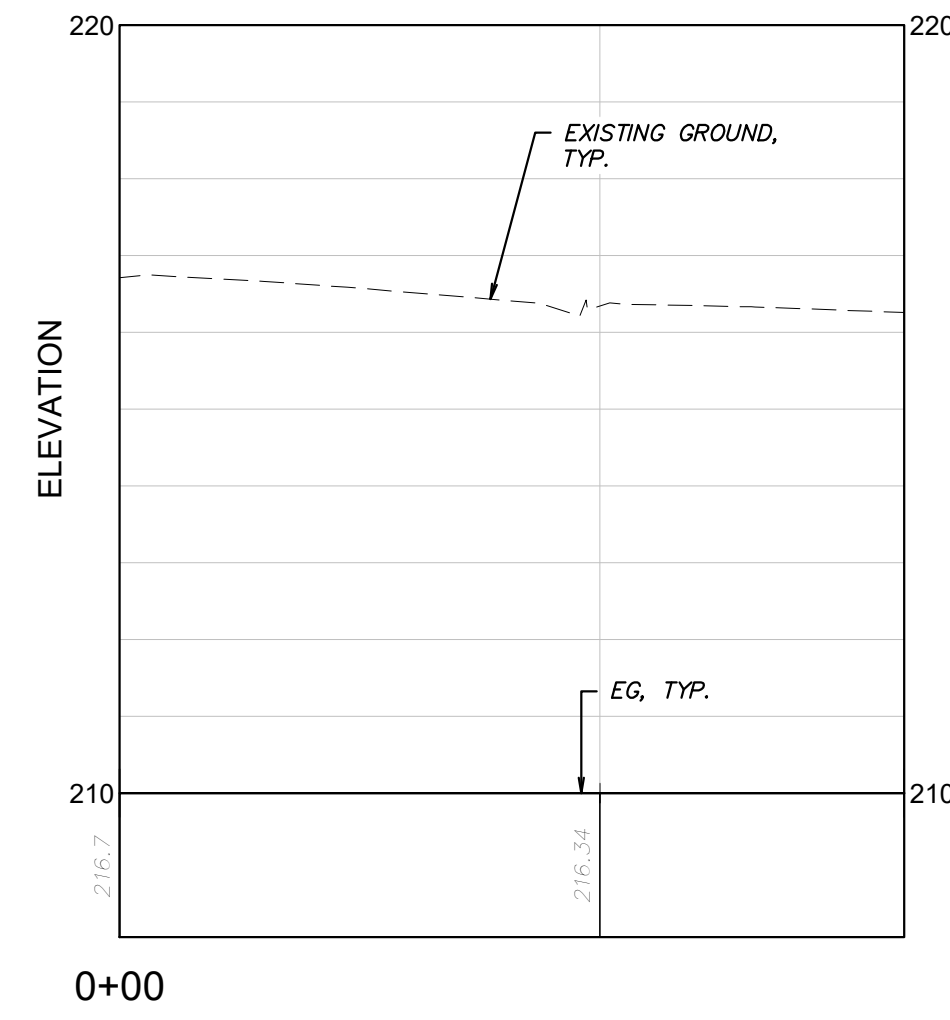
**DRIVEWAY 1+03 PROFILE**  
 HORZ SCALE: 1" = 10'  
 VERT SCALE: 1" = 2'



**DRIVEWAY 2+27 PROFILE**  
 HORZ SCALE: 1" = 10'  
 VERT SCALE: 1" = 2'

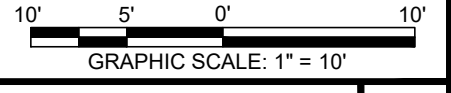
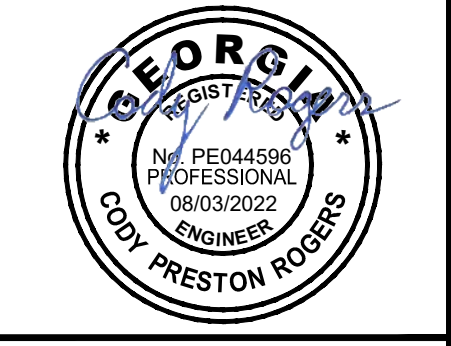


**DRIVEWAY 2+72 PROFILE**  
 HORZ SCALE: 1" = 10'  
 VERT SCALE: 1" = 2'



**DRIVEWAY 6+89 PROFILE**  
 HORZ SCALE: 1" = 10'  
 VERT SCALE: 1" = 2'

NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22



**EMC ENGINEERING SERVICES, INC.**  
 1211 Merchant Way, Suite 201  
 Statesboro, GA 30458  
 Ph: (912) 764-7022  
 Fax: (912) 233-4580  
 statesboro@emc-eng.com  
 www.emc-eng.com

**EMC**  
 CIVIL  
 MARINE  
 ENVIRONMENTAL

ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS  
 GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

**DRIVEWAY PROFILES**

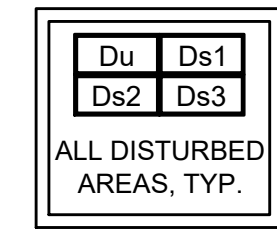
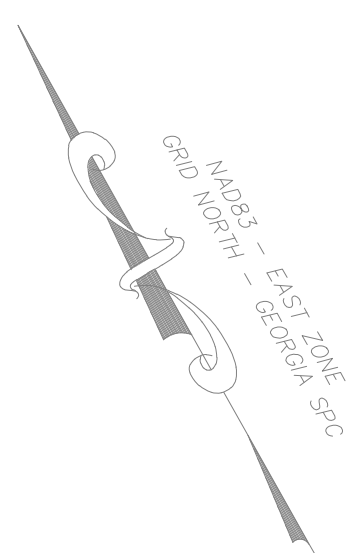
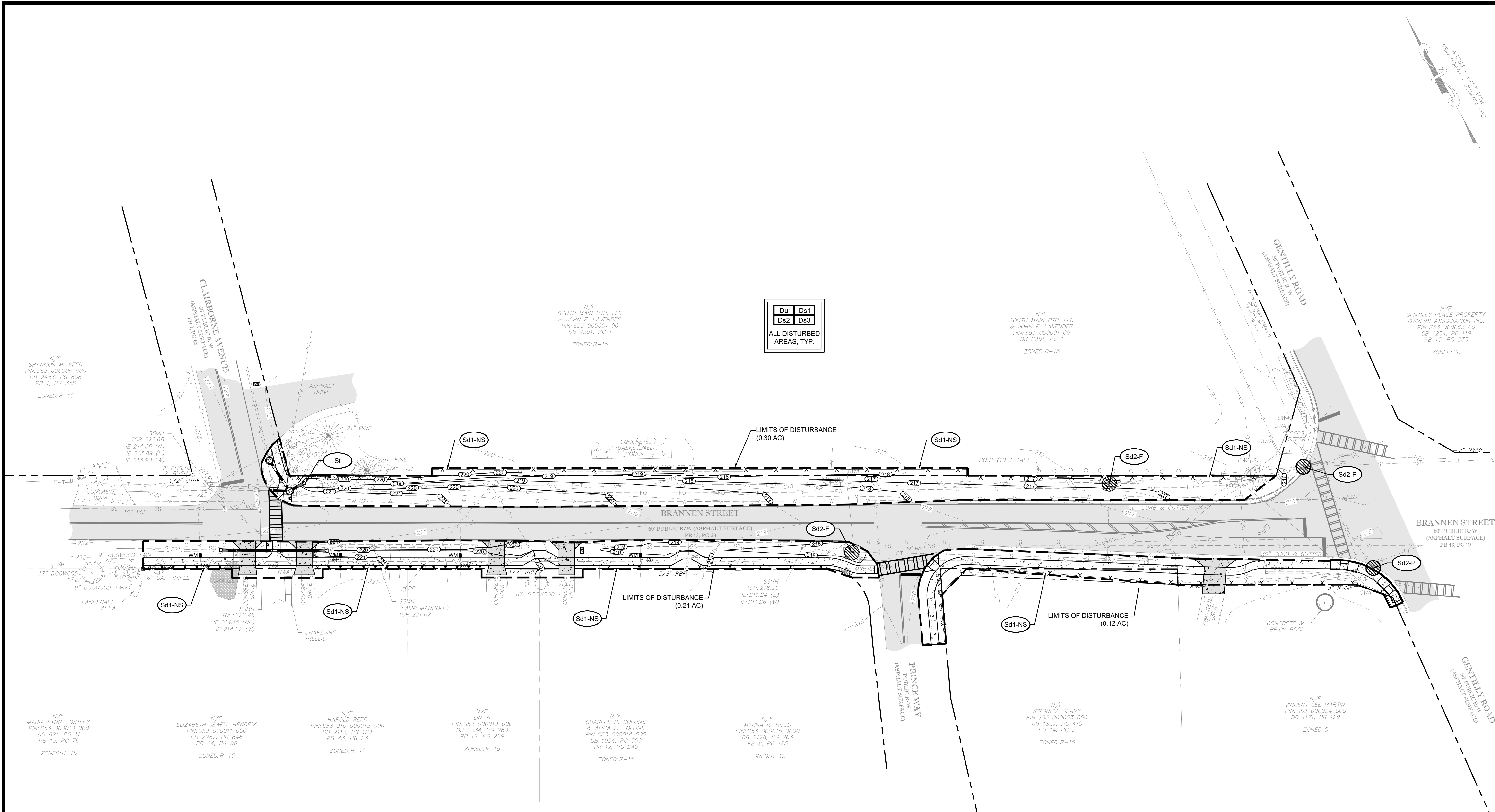
**BRANNEN STREET SIDEWALK**  
 BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.  
 STATESBORO, BULLOCH COUNTY, GEORGIA

Prepared for:  
**CITY OF STATESBORO**

PROJECT NO.:	22-2019
DRAWN BY:	KML
DESIGNED BY:	CPR
SURVEYED BY:	EMC
SURVEY DATE:	04/04/2022
CHECKED BY:	CPR
SCALE:	1" = 10'
DATE:	08/03/2022



G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019C\_BDI\_BRANNEN STREET SIDEWALK.DWG 11/29/2022 12:11 PM



**EROSION CONTROL MEASURES:**

- TOTAL DISTURBED AREA: 0.63 ACRES.
- CONTRACTOR IS TO INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL DEVICES. ALL BMP'S SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ACHIEVED. FINAL STABILIZATION OF PERVIOUS AREAS SHALL BE ACHIEVED UTILIZING PERMANENT SEED (Ds3) AND OTHER LANDSCAPING MATERIAL SPECIFIED ON THE LANDSCAPE PLAN.
- CONTRACTOR TO UTILIZE DUST CONTROL AND OTHER EROSION CONTROL MEASURES AS NEEDED.
- CONTRACTOR IS TO ENSURE THAT SEDIMENT LADEN DOES NOT UNDERMINE SEDIMENT BARRIERS. THE CONTRACTOR WILL BE REQUIRED TO CHECK SILT FENCE DURING STORM EVENTS AND MAKES REPAIRS AS NEEDED.
- ONCE PERMANENT STABILIZATION OF VEGETATIVE GROUND COVER IS ACHIEVED, CONTRACTOR IS TO REMOVE ALL TEMPORARY SEDIMENT CONTROL MEASURES.

**\*\*\*\*\*NOTE:**

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

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.

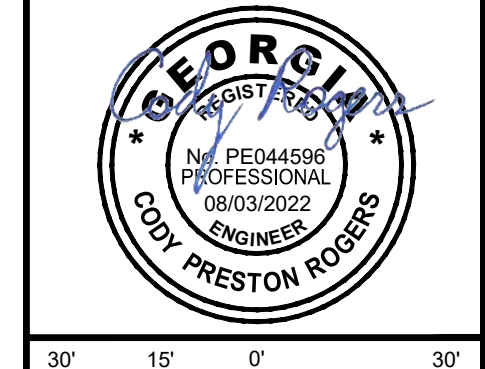
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22

**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Cody P. Rogers  
LEVEL II CERTIFIED DESIGN PROFESSIONAL

CERTIFICATION NUMBER: 0000088488  
ISSUED: 7/19/2019 EXPIRES: 7/19/2022



**EMC ENGINEERING SERVICES, INC.**

PG Box 2086  
1211 Merchant Way, Suite 201  
Statesboro, GA 30458  
Ph: (912) 764-7022  
Fax: (912) 233-4880  
statesboro@emc-eng.com  
www.emc-eng.com

CIVIL  
MARINE  
ENVIRONMENTAL

ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS  
GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

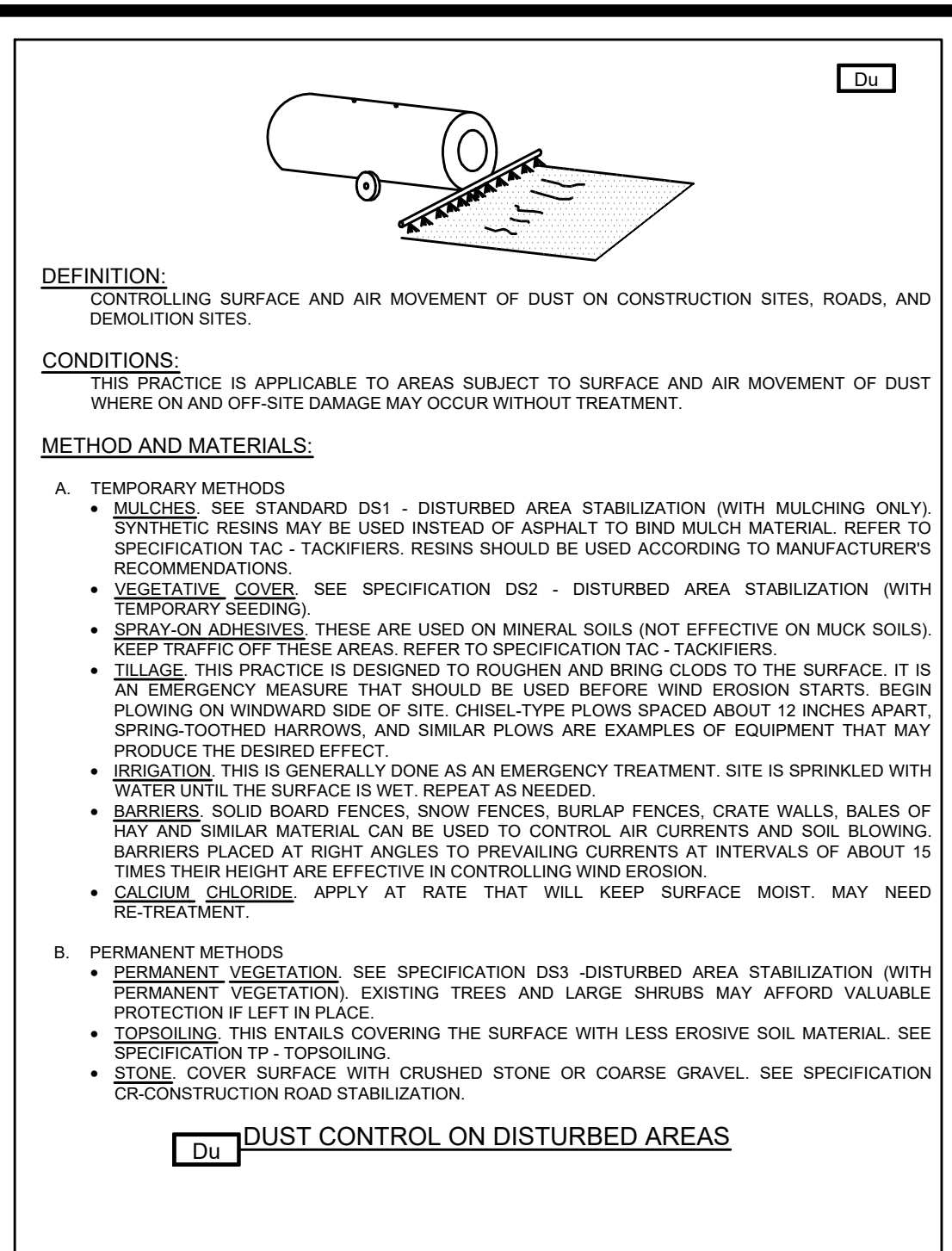
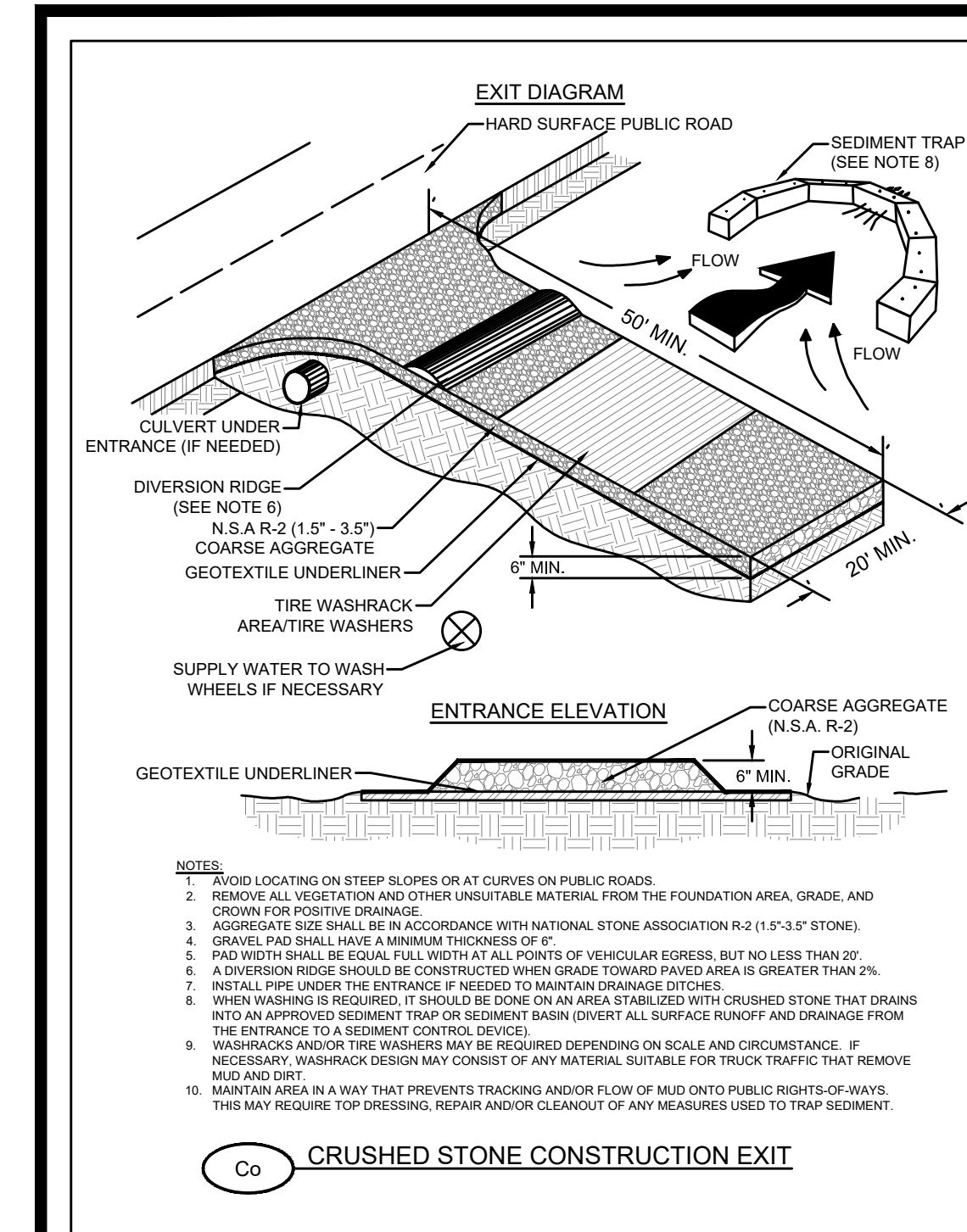
**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN**

**BRANNEN STREET SIDEWALK**

BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.  
STATESBORO, BULLOCH COUNTY, GEORGIA

Prepared for:  
**CITY OF STATESBORO**

PROJECT NO.:	22-2019
DRAWN BY:	KML
DESIGNED BY:	CPR
SURVEYED BY:	EMC
SURVEY DATE:	04/04/2022
CHECKED BY:	CPR
SCALE:	1" = 30'
DATE:	08/03/2022



**DS1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)**

**DEFINITION:** Applying residues or other suitable materials, produced on the site if possible, to the soil surface.

**CONDITIONS:** Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored, and have a continuous 90% cover or greater of the soil surface. Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months. If an area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed.

**SPECIFICATIONS:**

**MULCHING WITHOUT SEEDING:** This standard applies to grades or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

1. Site Preparation
  - 1.1. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
  - 1.2. Loosen compact soil to a minimum depth of 3 inches.
2. Mulching Materials: Select one of the following materials and apply at the depth indicated:
  - 2.1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
  - 2.2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
  - 2.3. Cutoff asphalt (saw cutting) shall be applied at 1200 gallons per acre (or 144 gallons per sq ft).
  - 2.4. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and reused.
3. Applying Mulch: When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.
  - 3.1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
  - 3.2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the mulch amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulch.
  - 3.3. Cutoff asphalt shall be applied uniformly. Care should be taken in areas of pedestrian traffic due to problems of tracking or damage to equipment, etc.
  - 3.4. Apply polyethylene film on exposed areas.
4. Anchoring Mulch
  - 4.1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application. Straw or hay mulch spread with special blow-type equipment may be anchored with emulsified asphalt (Grade #E-5 or #S-1) or asphalt emulsion shall be sprayed into the mulch as it is specified on the machine. Use 100 gallons of emulsified asphalt and 100 gallons of water per ton of mulch. Tackifiers and binders can be substituted for emulsified asphalt. Please refer to specification Tc - Tackifiers and Binders. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.
  - 4.2. Netting of the appropriate size shall be used to anchor wood waste chips. Openings of the netting shall not be larger than the average size of the wood waste chips.
  - 4.3. Polyethylene film shall be anchored trenched at the top as well as incrementally as necessary.

**MULCHING APPLICATION REQUIREMENTS**

MATERIAL	RATE	DEPTH
STRAW OR HAY	-	2-IN TO 4-IN
WOOD WASTE, CHIPS, SAWDUST, BARK	-	2-IN TO 3-IN
POLYETHYLENE FILM	SECURE WITH SOIL ANCHORS, WEIGHTS	
GEOTEXTILES, JUTE, MATTING, NETTING	SEE MANUFACTURER'S RECOMMENDATIONS	

**DS2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)**

**DEFINITION:** THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDLINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENUDED AREAS.

**CONDITIONS:** TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX (6) MONTHS. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMIC AND EFFECTIVE STABILIZATION. MOST TYPES OF TEMPORARY VEGETATION ARE IDEAL TO USE A COMPANION CROP UNTIL THE PERMANENT VEGETATION IS ESTABLISHED.

**SPECIFICATIONS:**

**GRADING AND SHAPING:** EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS. NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDING VEGETATION OR HYDRAULIC SEEDING IS TO BE USED.

**SEEDBED PREPARATION:** WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HAND SEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE FITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

**LIME AND FERTILIZER:** AGRICULTURAL LIME IS NOT REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED, ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-18 LBS/1,000 SQ FT) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

**SEEDING:** SELECT A GRASS OR LEGUME SUITABLE TO THE AREA AND SEASON OF THE YEAR. SEED SHALL BE APPLIED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTI-PACKER SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTI-PACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF INCH DEEP. APPROPRIATE DEPTH OF PLANTING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE "RAKED" LIGHTLY TO COVER SEED WITH SOIL IF SEEDING BY HAND.

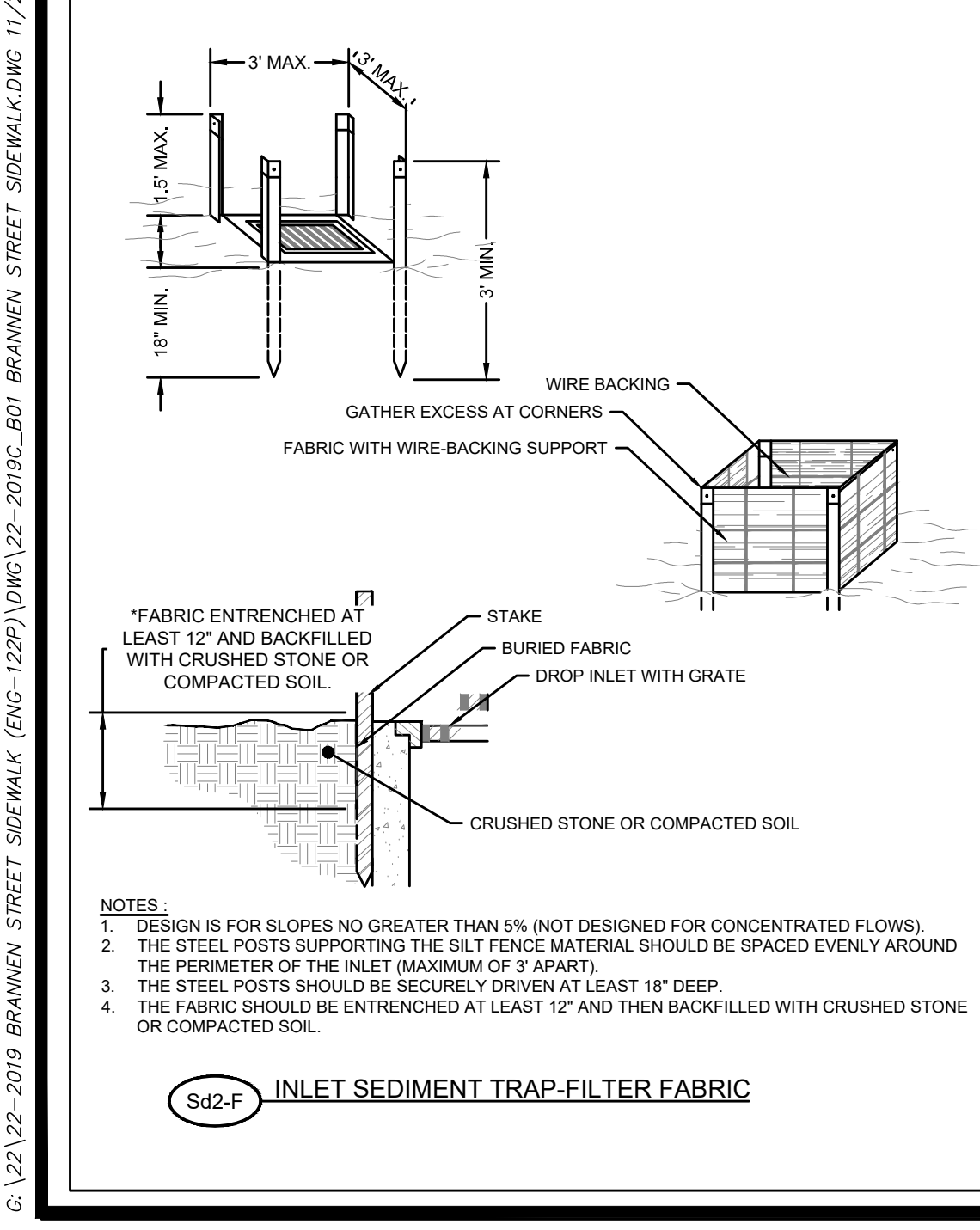
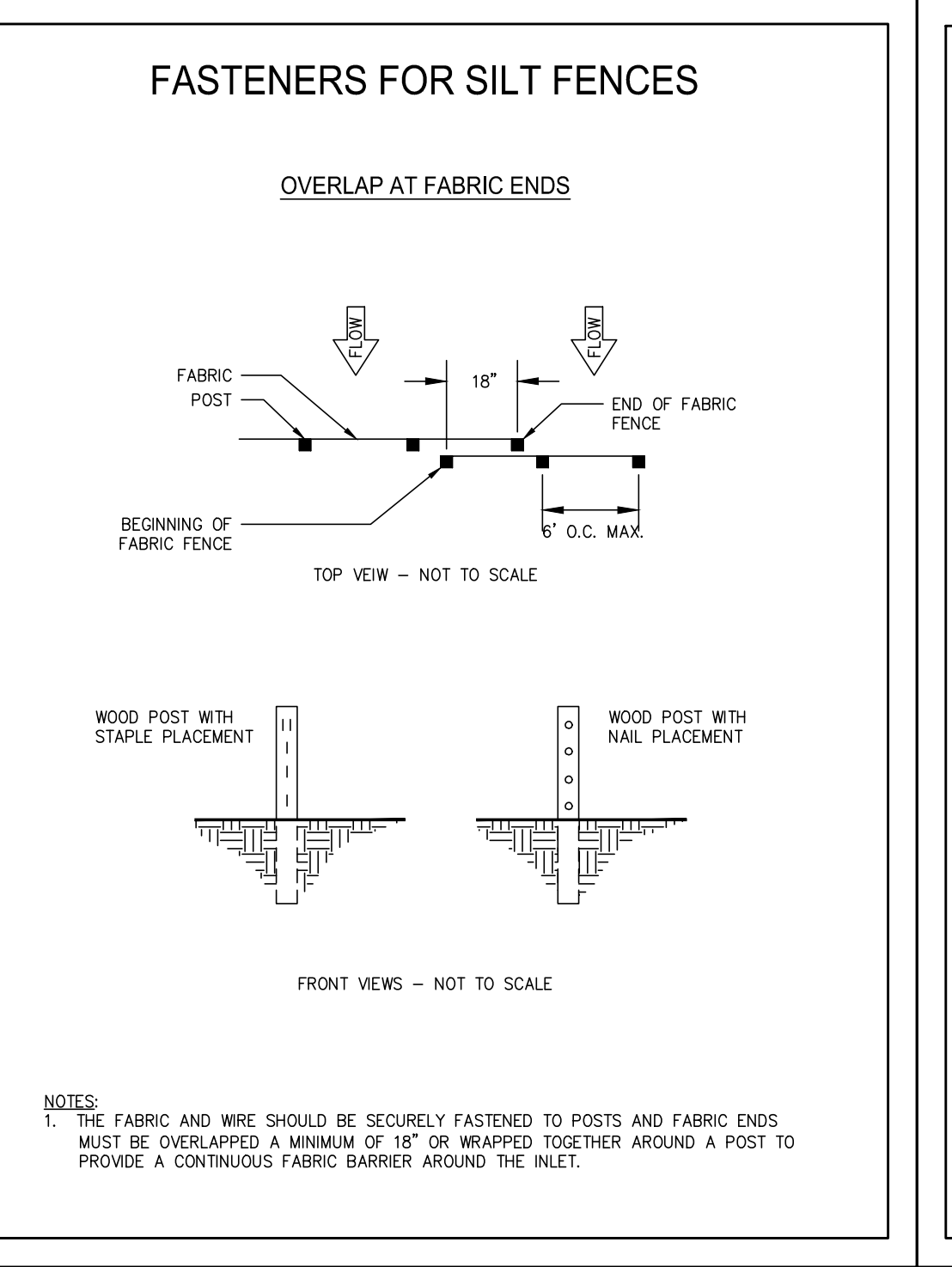
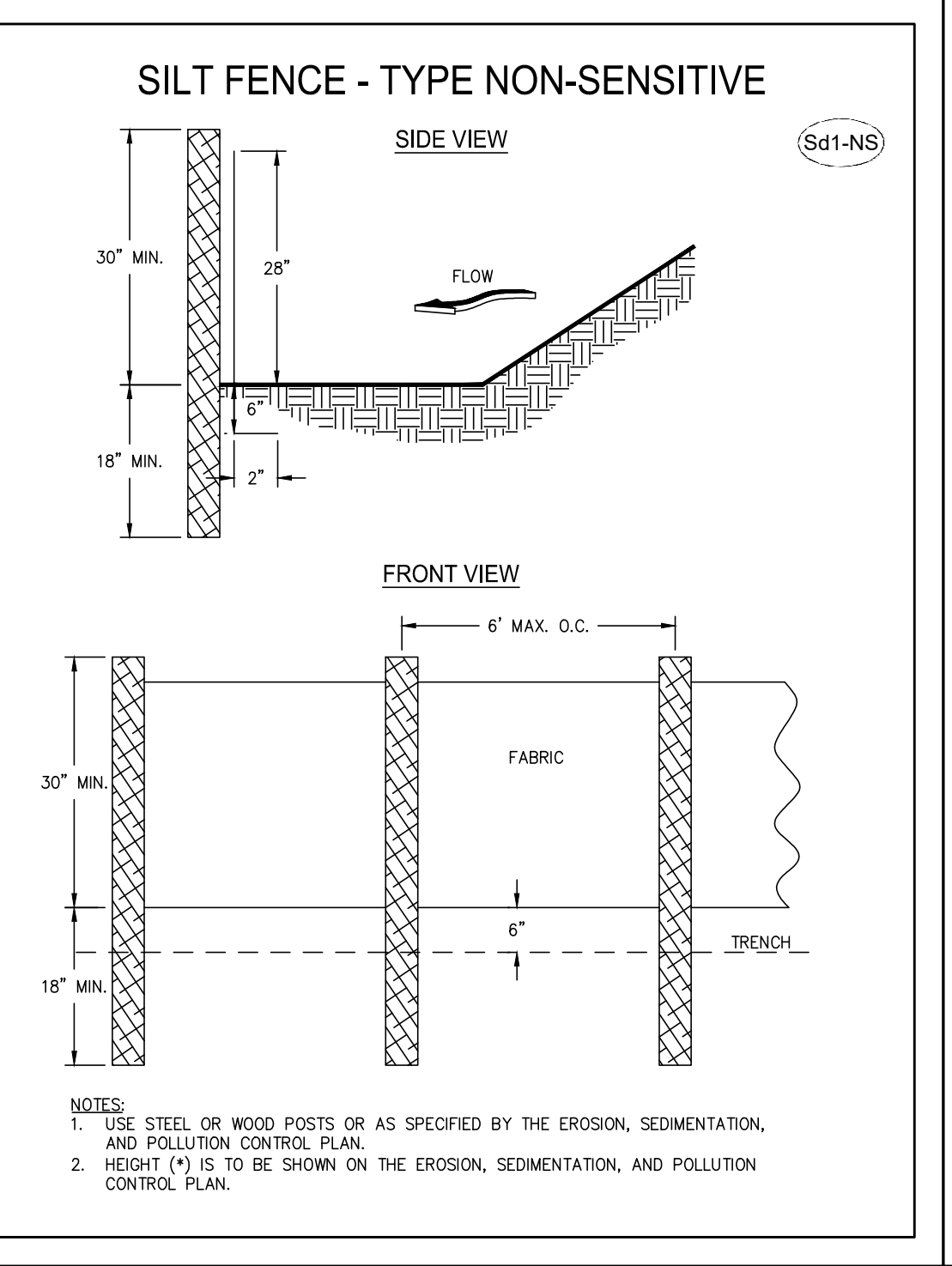
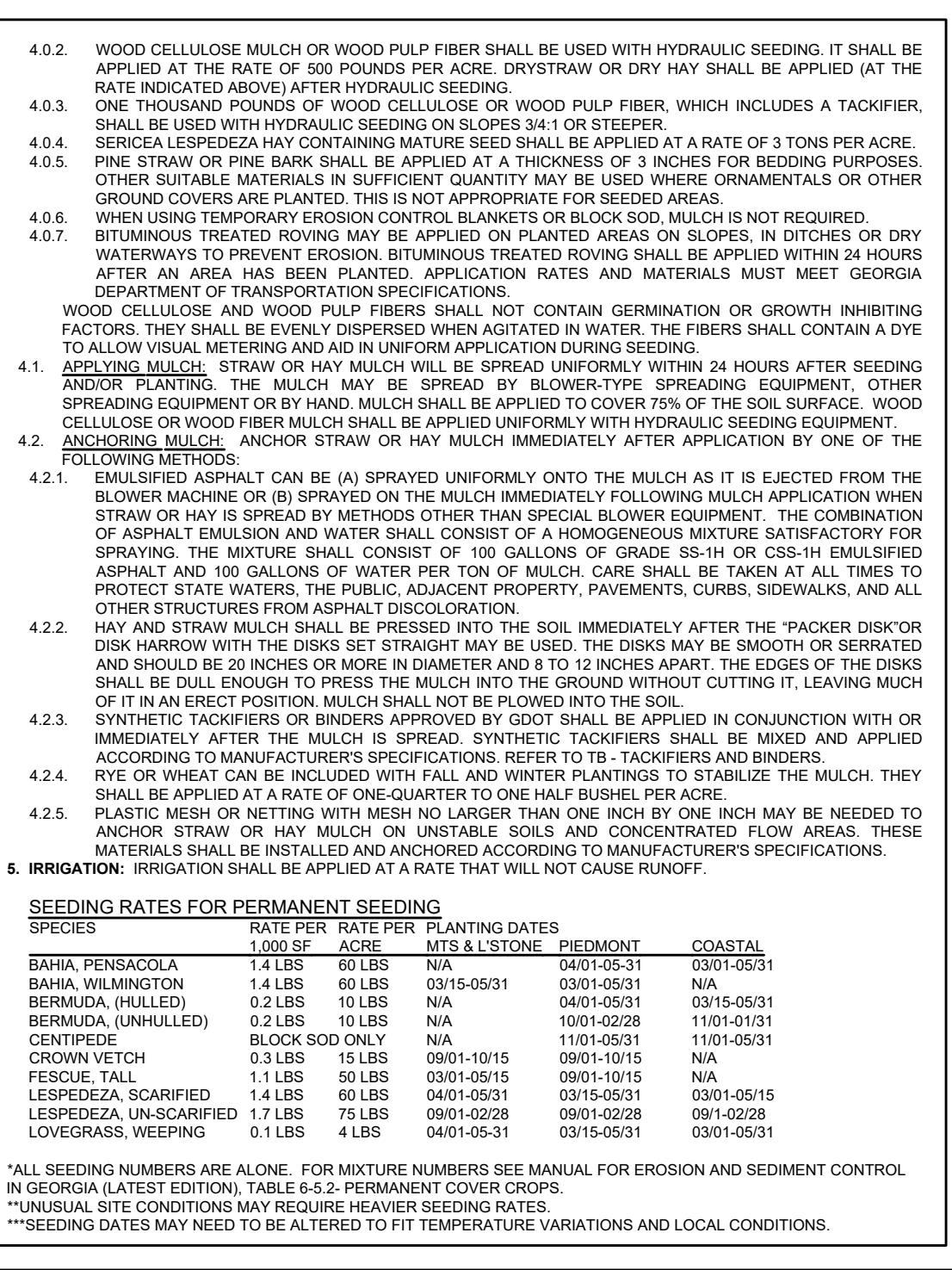
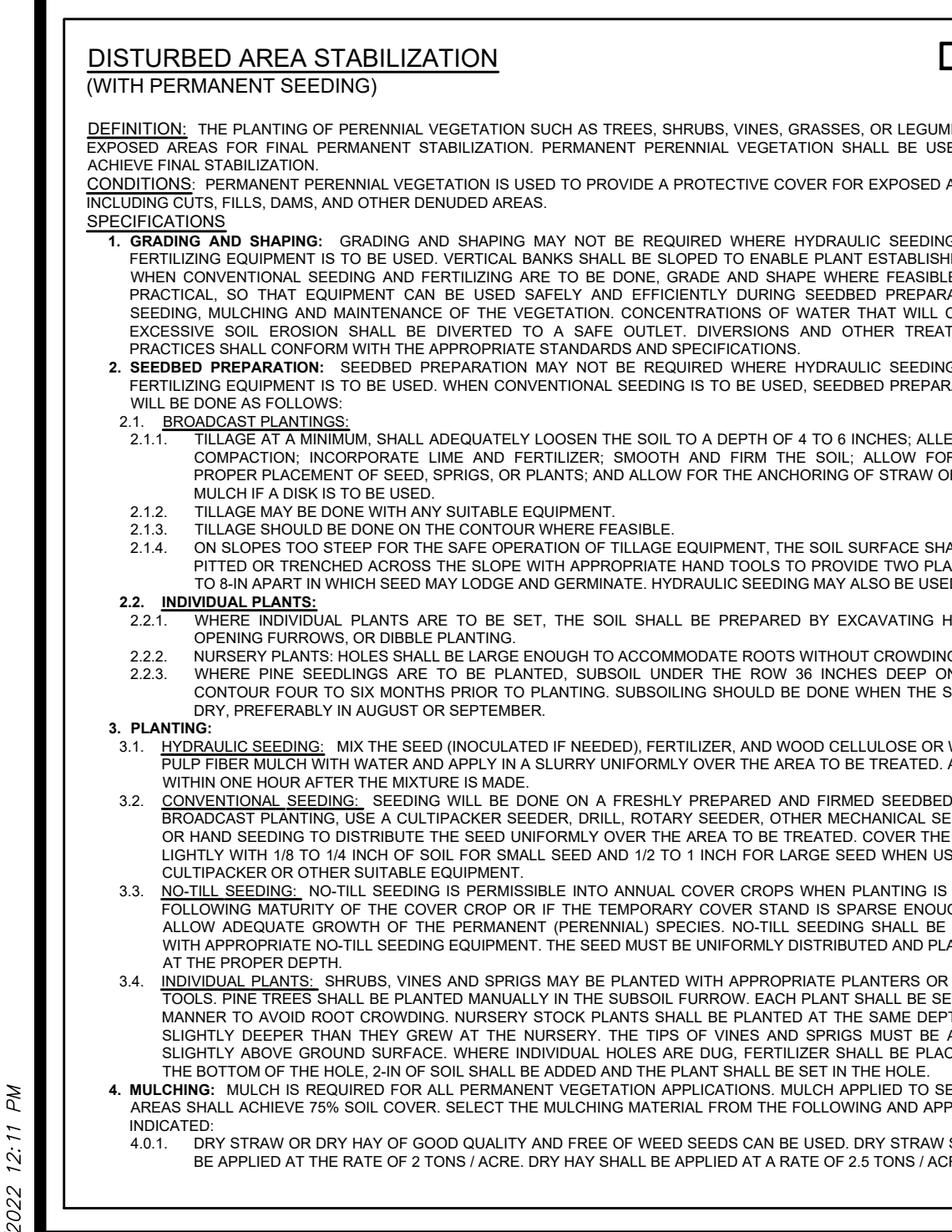
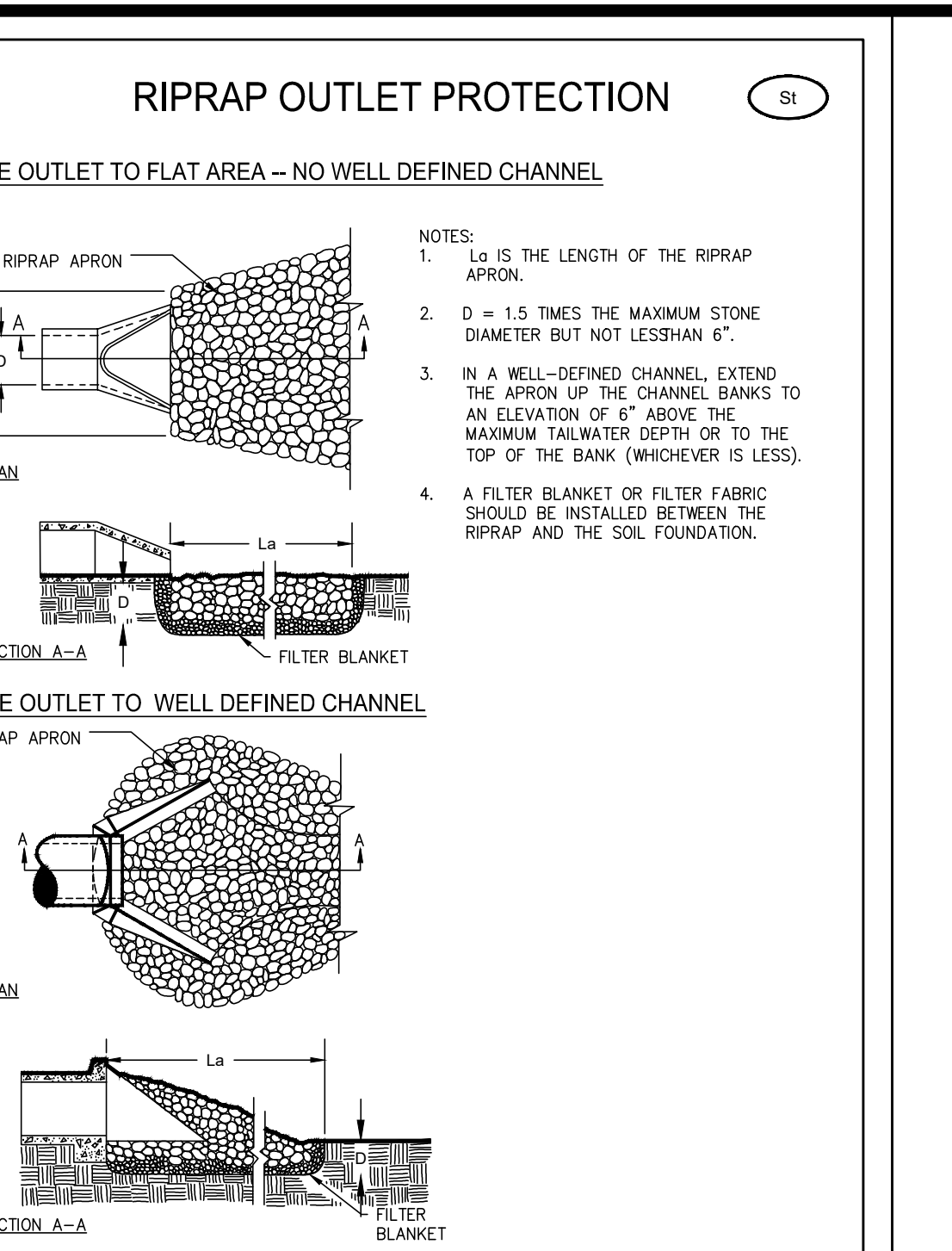
**MULCHING:** TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. REFER TO DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

**IRRIGATION:** DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUGGESTED APPLICATIONS SHOULD BE MADE WHEN NEEDED.

**SEEDING RATES FOR PERMANENT SEEDING**

SPECIES	RATE PER 1,000 SF	RATE PER ACRE	PLANTING DATES
BARLE	3.3 LBS	3 BU	09/01-10/31
LESPEDEZA ANNUAL	0.9 LBS	40 LBS	03/01-03/31
LOVEGRASS, WEEPING	0.1 LBS	4 LBS	03/15-06/01
MILLET, BROWNTOP	0.9 LBS	40 LBS	04/15-06/15
MILLET, PEARL	1.1 LBS	50 LBS	05/15-07/31
OATS	2.99 LBS	4 BU	09/15-11/15
RYE	3.0 LBS	3 BU	09/15-10/31
RYEGRASS	0.9 LBS	40 LBS	08/15-11/15
SUDANGRASS	1.4 LBS	60 LBS	05/01-07/31
TRITICALE	3.3 LBS	3 BU	N/A
WHEAT	4.1 LBS	3 BU	09/15-11/30

\*ALL SEEDING NUMBERS ARE ALONE. FOR MIXTURE NUMBERS SEE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (LATEST EDITION), TABLE 6-4.1-TEMPORARY COVER OR COMPANION COVER CROPS. \*\*UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES. \*\*\*SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.



**EMC ENGINEERING SERVICES, INC.**  
 1211 Merchants Way, Suite 201  
 Statesboro, GA 30458  
 Ph: (912) 764-7022  
 Fax: (912) 233-4880  
 salesboro@emc-eng.com  
 www.emc-eng.com

**CIVIL MARINE ENVIRONMENTAL ENGINEERING**

ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS  
 GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

**EROSION, SEDIMENTATION & POLLUTION CONTROL DETAILS**

**BRANNEN STREET SIDEWALK**  
 BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.  
 STATESBORO, BULLOCH COUNTY, GEORGIA

Prepared for:  
**CITY OF STATESBORO**

PROJECT NO.: 22-2019  
 DRAWN BY: KML  
 DESIGNED BY: CPR  
 SURVEYED BY: EMC  
 SURVEY DATE: 04/04/2022  
 CHECKED BY: CPR  
 SCALE: NO SCALE  
 DATE: 08/03/2022

SHEET 10 OF 11

