

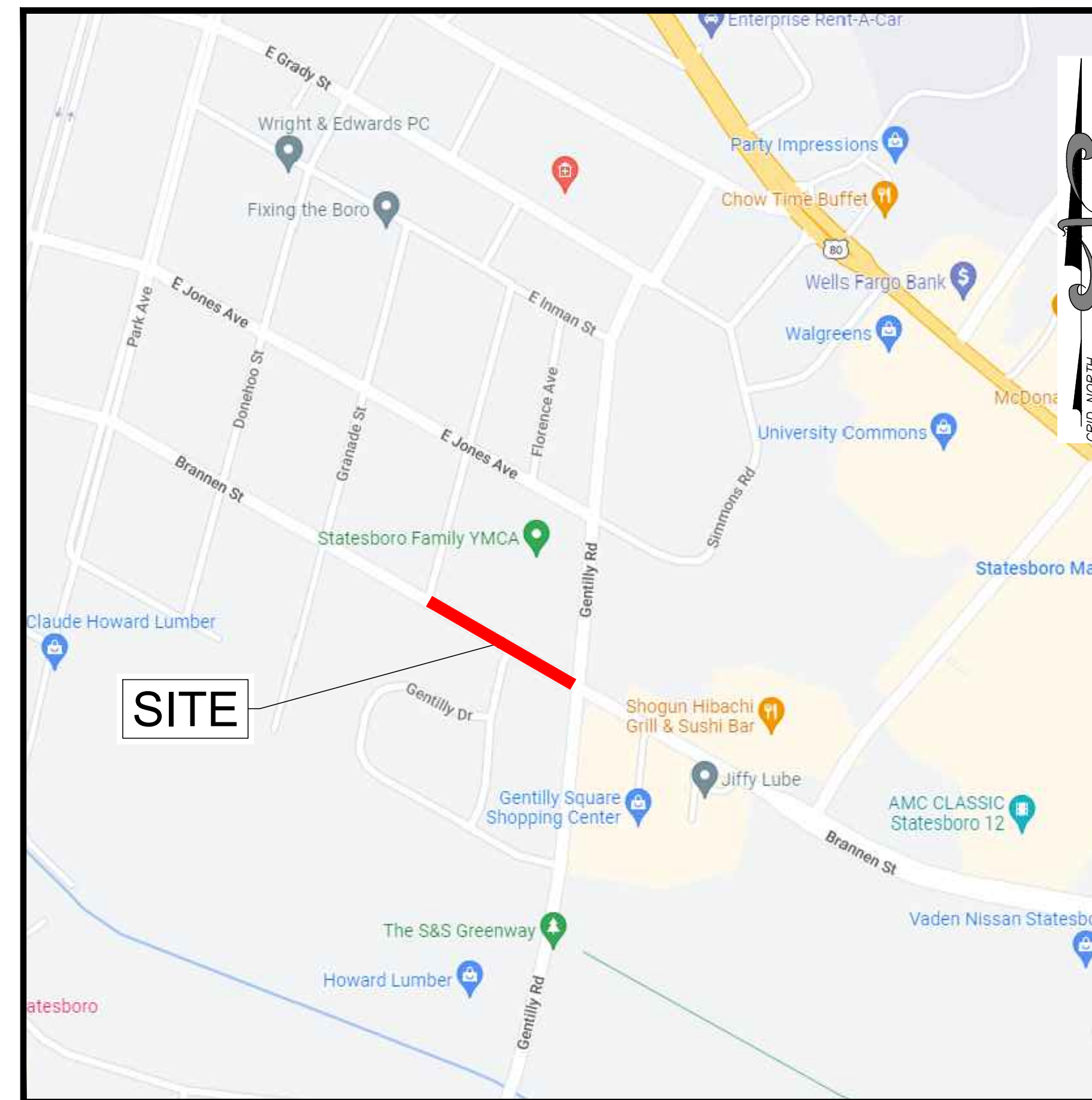
SITE DEVELOPMENT PLANS FOR BRANNEN STREET SIDEWALK

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

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



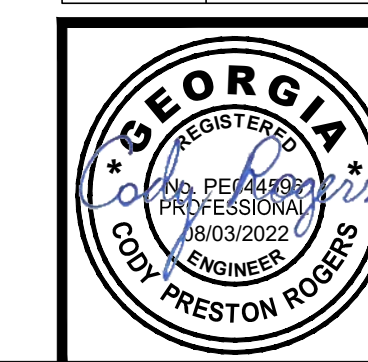
UTILITY LOCATION DISCLAIMER

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.



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

REVISION	DESCRIPTION	DATE
1	REVISED NOTES. ADDED MH DETAIL.	11-29-22
2	ADDED SHEET 12. RFRB DETAIL.	12-08-22
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-



EMC ENGINEERING SERVICES, INC.
PO BOX 2086
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

Legend for proposed features including Demolition, Erosion Control, Property, Utilities, Topography, and Pavement Hatching. Includes symbols for area, delineation, buffer, property line, aerial power, telephone, cable, buried power, and various pavement types.

EXISTING FEATURES LEGEND

Legend for existing features including Symbols and Linetypes. Includes symbols for angle iron found, axle found, benchmark found, concrete monument set, concrete nail set, control point, cotton spindle found, crimp top pipe found, drill hole found, electric control box, electric meter, electric manhole, electric outlet, electric stub out, electric transformer, flood lamp, ground light, guy pole, water well, water line marker, water meter, water manhole, water stub out, water valve, forcemain air release valve, forcemain line marker, sanitary grease trap, grate inlet, sanitary sewer cleanout, sanitary sewer manhole, sanitary sewer stub out, fence post, gate post, T-post, post/pole, roof drain, security camera pole, mailbox, wetland flag, open top pipe found, PK nail found, PK nail set, rebar found, iron rebar set, railroad spike set, railroad spike set, right/way monument set, right/way monument set, tack found, tack set, X found, X-set, TV marker, TV pedestal, underground cable box, fiber optic marker, telephone booth, telephone cabinet, telephone line marker, telephone manhole, telephone pedestal, underground comm box, gas air release valve, gas meter, gas manhole, gas marker, gas valve, gas vent pipe, pedestrian signal pole, traffic signal control box, traffic signal manhole, traffic signal marker, traffic signal pole, traffic signal strain pole, wheelstop, parking meter, billboard, single pole sign, double pole sign, triple pole sign, bollard.

LINETYPES

Table of linetypes for property line, adjacent property, building, building overhang, ditch centerline, wetlands, creek centerline, 100-year floodplain, 500-year floodplain, 100-year floodway, major contour, minor contour, woodline, roadway centerline, paved roadway, gravel roadway, dirt roadway, guardrail, barbed wire/hogwire fence, chainlink fence, easement, building setback, sanitary sewer, forcemain, storm sewer, natural gas, water line, aerial TV, aerial fiber optic, aerial electric, aerial traffic signal, aerial telephone, buried TV, buried fiber optic, buried electric, buried traffic signal, buried telephone, single row silt fence, double row silt fence, wood/iron shadowbox fence.

ABBREVIATIONS

Table of abbreviations: BFE (Base Flood Elevation), HDPE (High Density Polyethylene), RCB (Concrete Box Culvert), CMP (Corrugated Metal Pipe), HDW (Headwall), RCP (Reinforced Concrete Pipe), CPP (Corrugated Plastic Pipe), HWL (High Water Level), THR (Throat Elevation), DIP (Ductile Iron Pipe), IE/INV (Invert Elevation), VCP (Vitrified Clay Pipe), FFE (Finished Floor Elevation), LWL (Low Water Level), VLT (Vault), FRD (French Drain), PVC (Polyvinyl Chloride Pipe).

Table with columns: DATE, REVISION DESCRIPTION, NO. Includes revision 1: REVISED NOTES-ADDED MH DETAIL, 11-29-22 and revision 2: ADDED SHEET 12, RRFB DETAIL, 12-08-22.

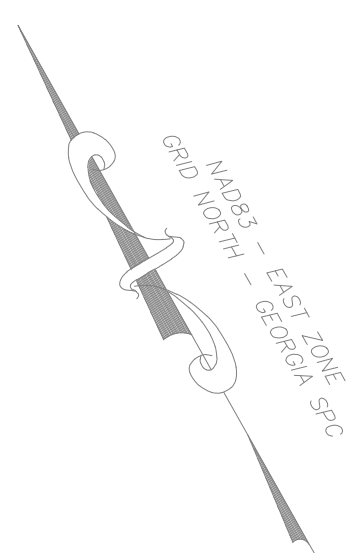
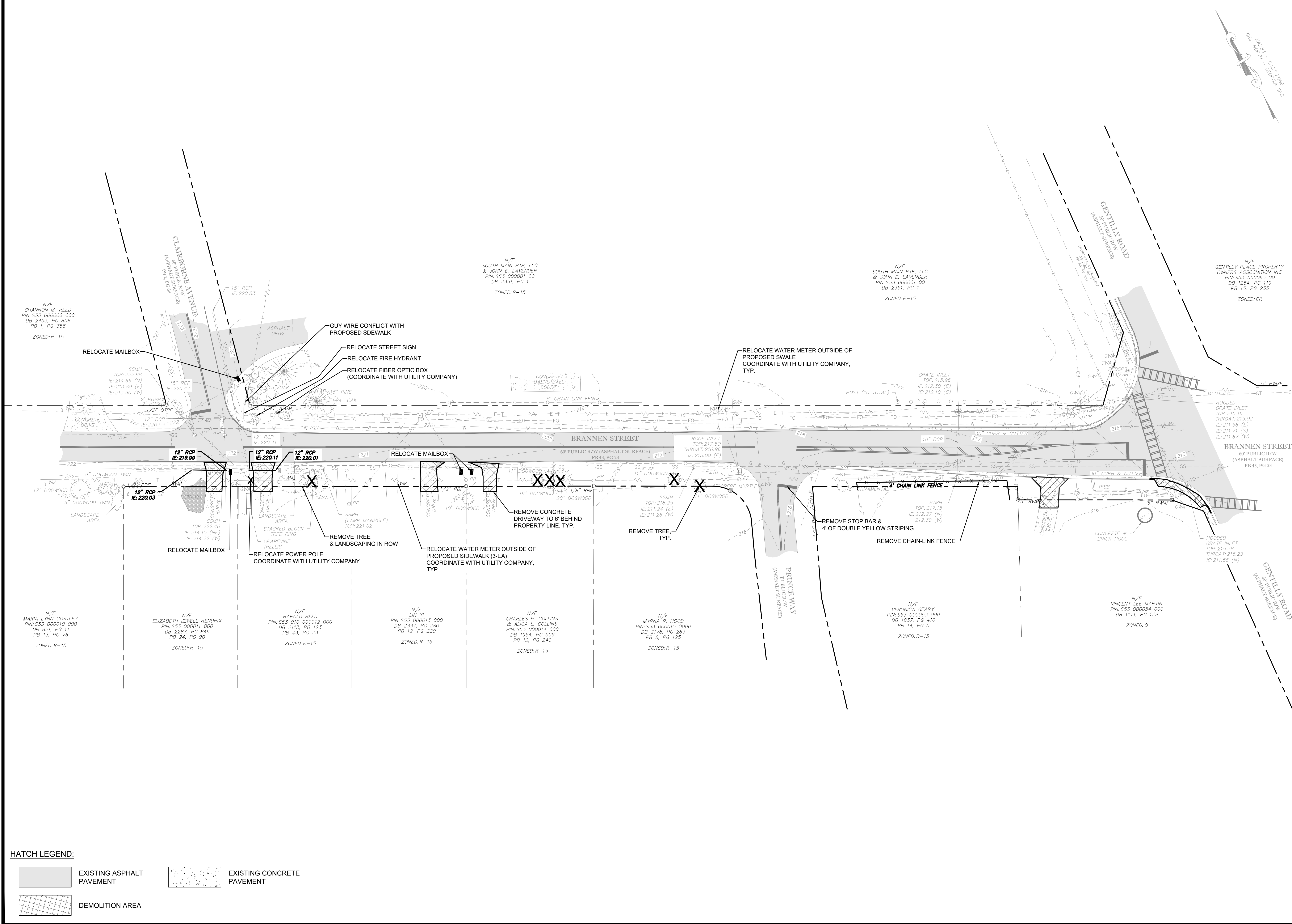


EMC ENGINEERING SERVICES, INC. logo and contact information: PO Box 2086, 1211 Merchant Way, Suite 201, Statesboro, GA 30458, Ph: (912) 764-7022, Fax: (912) 233-4880, email: salesboro@emc-eng.com, www.emc-eng.com. Also lists services: CIVIL, MARINE, ENVIRONMENTAL and other office locations.

GENERAL NOTES: 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.

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019-01 BRANNEN STREET SIDEWALK.DWG 12/9/2022 9:49 AM

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019_001 BRANNEN STREET SIDEWALK.DWG 12/19/2022 9:49 AM



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22
2	ADDED SHEET 12, RREF DETAIL	12-08-22

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

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

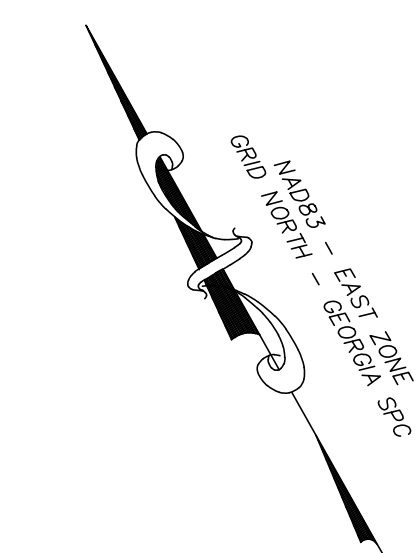
EMC ENGINEERING SERVICES, INC.
 CIVIL MARINE ENVIRONMENTAL
 ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS
 GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

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

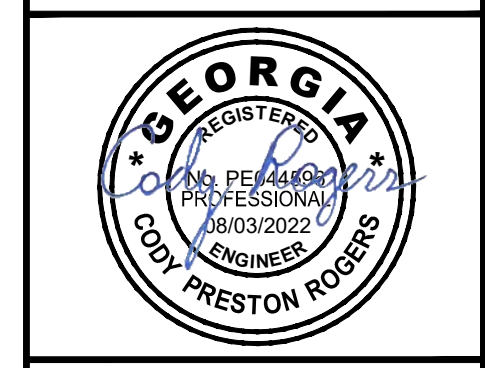
PROJECT NO.:	22-2019
DRAWN BY:	KML
DESIGNED BY:	CPR
SURVEYED BY:	EMC
CHECKED BY:	CPR
SCALE:	1" = 30'
DATE:	08/03/2022

HATCH LEGEND:

	EXISTING ASPHALT PAVEMENT		EXISTING CONCRETE PAVEMENT
	DEMOLITION AREA		



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22
2	ADDED SHEET 12, RREF DETAIL	12-08-22



EMC ENGINEERING SERVICES, INC.
 PG Box 2086
 1211 Merchant Way, Suite 201
 Statesboro, GA 30458
 Ph: (912) 764-7022
 Fax: (912) 233-4580
 statesboro@emc-eng.com
 www.emc-eng.com

CIVIL
 MARINE
 ENVIRONMENTAL

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

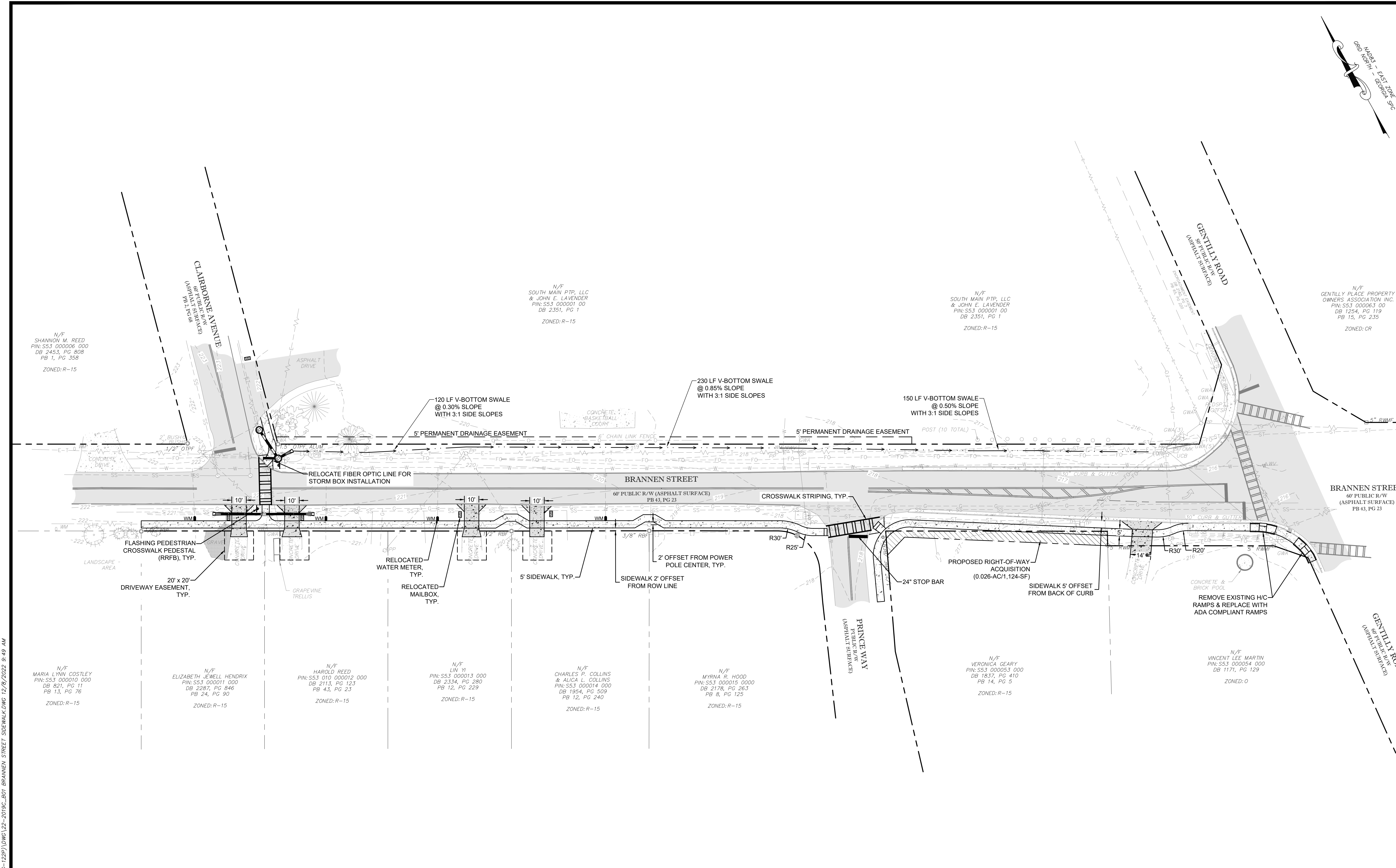
STAKING PLAN

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
CHECKED BY:	CPR
SCALE:	1" = 30'
DATE:	08/03/2022

SHEET
4
 OF 12



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\22-2019_B01 BRANNEN STREET SIDEWALK.DWG 12/19/2022 9:49 AM

N/F SHANNON M. REED
 PIN:SS3 000006 000
 DB 245.3, PG 808
 PB 1, PG 358
 ZONED: R-15

N/F SOUTH MAIN PTP, LLC & JOHN E. LAVENDER
 PIN:SS3 000001 00
 DB 2351, PG 1
 ZONED: R-15

N/F SOUTH MAIN PTP, LLC & JOHN E. LAVENDER
 PIN:SS3 000001 00
 DB 2351, PG 1
 ZONED: R-15

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

N/F MARIA LYNN COSTLEY
 PIN:SS3 000010 000
 DB 821, PG 11
 PB 13, PG 76
 ZONED: R-15

N/F ELIZABETH JEWELL HENDRIX
 PIN:SS3 000011 000
 DB 2287, PG 846
 PB 24, PG 90
 ZONED: R-15

N/F HAROLD REED
 PIN:SS3 010 000012 000
 DB 2113, PG 123
 PB 43, PG 23
 ZONED: R-15

N/F LIN YI
 PIN:SS3 000013 000
 DB 2334, PG 280
 PB 12, PG 229
 ZONED: R-15

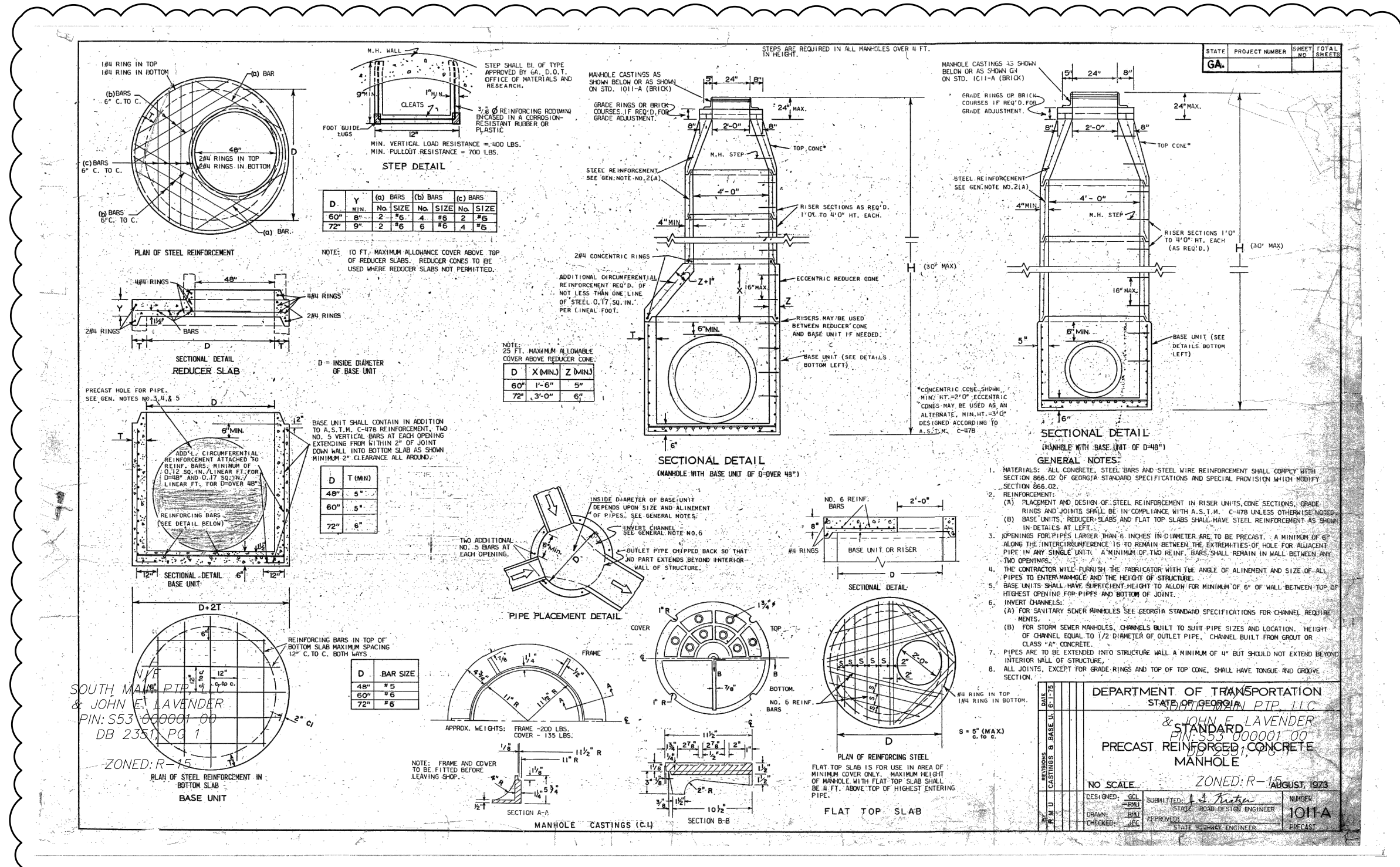
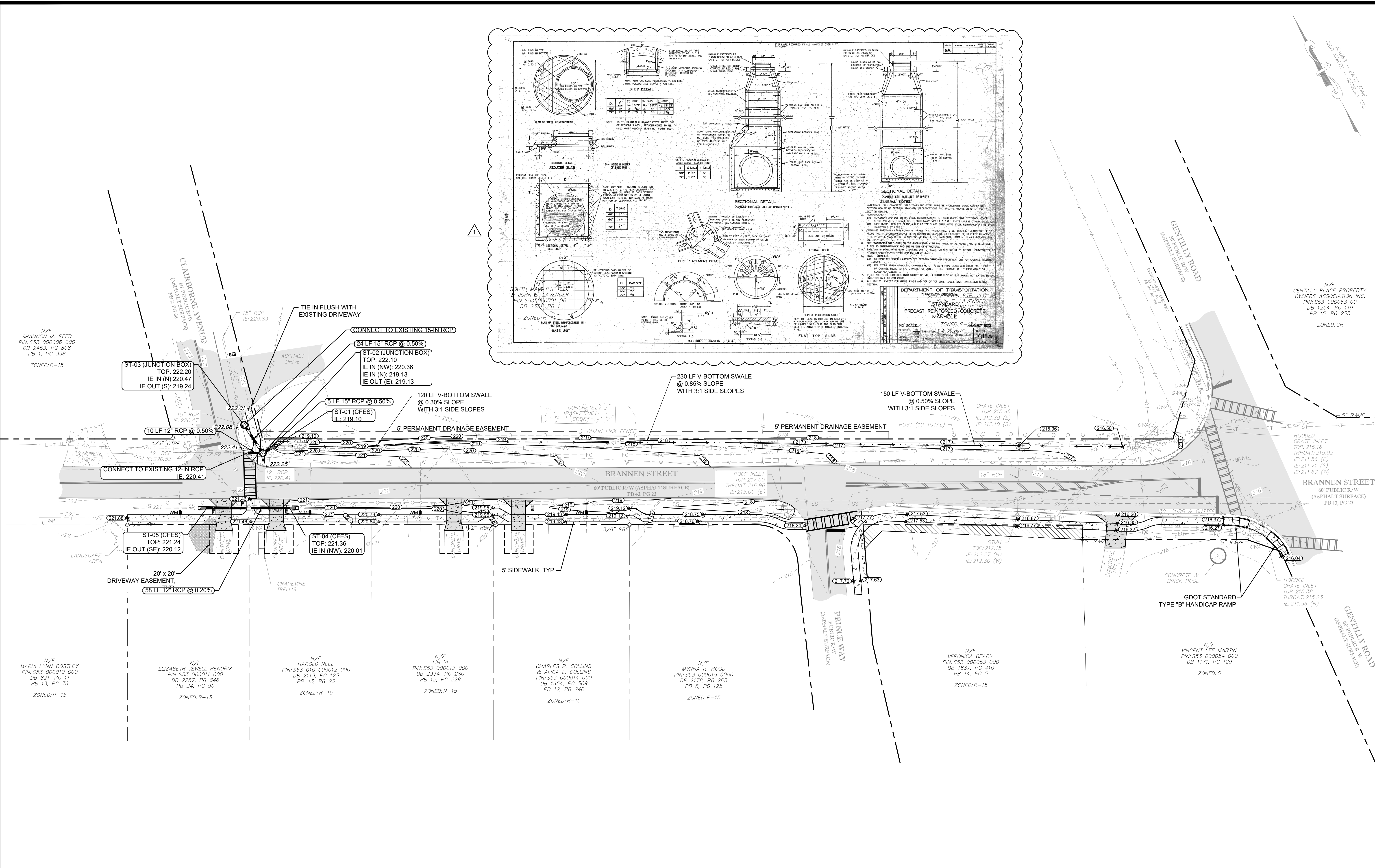
N/F CHARLES P. COLLINS & ALICA L. COLLINS
 PIN:SS3 000014 000
 DB 1954, PG 509
 PB 12, PG 240
 ZONED: R-15

N/F MYRNA R. HOOD
 PIN:SS3 000015 0000
 DB 2178, PG 263
 PB 8, PG 125
 ZONED: R-15

N/F VERONICA GEARY
 PIN:SS3 000053 000
 DB 1837, PG 410
 PB 14, PG 5
 ZONED: R-15

N/F VINCENT LEE MARTIN
 PIN:SS3 000054 000
 DB 1171, PG 129
 ZONED: O

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019\01_B1 BRANNEN STREET SIDEWALK.DWG 12/19/2022 9:49 AM



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
2	ADDED SHEET 12, RREF DETAIL	12-08-22

PRESTON ROGERS
PROFESSIONAL ENGINEER
STATE NO. 28032

EMC ENGINEERING SERVICES, INC.
 PG Box 2086
 1211 Merchants Way, Suite 201
 Statesboro, GA 30458
 Ph: (912) 764-7022
 Fax: (912) 733-4580
 statesboro@emc-eng.com
 www.emc-eng.com

CIVIL MARINE ENVIRONMENTAL ENGINEERING

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

PAVING, GRADING & DRAINAGE PLAN

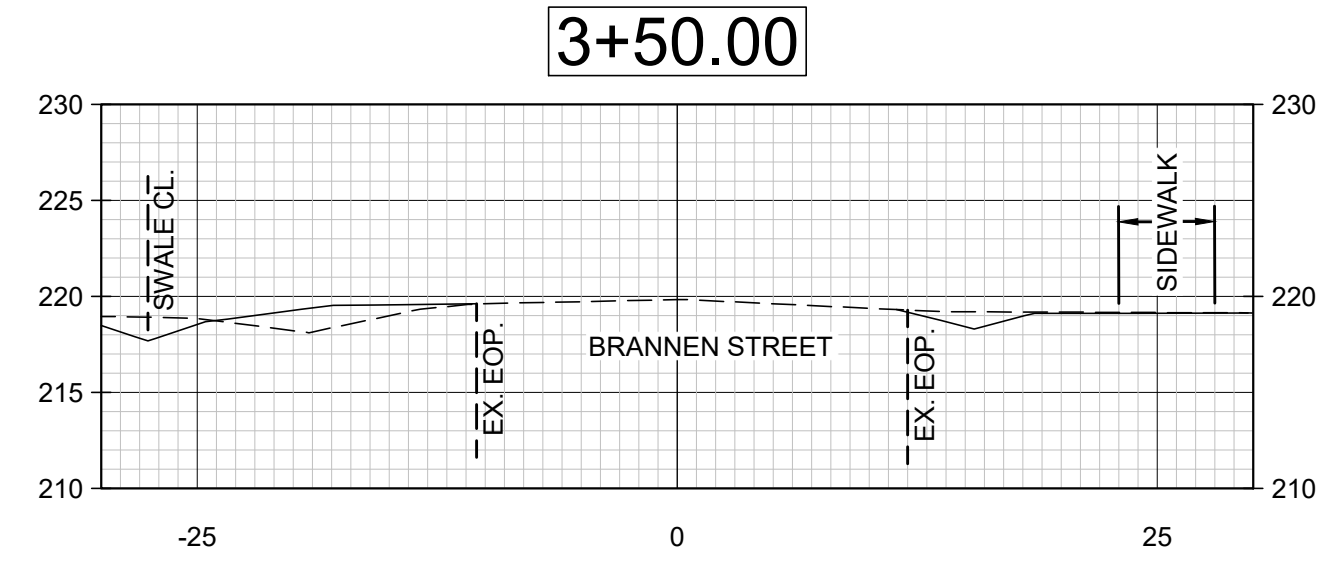
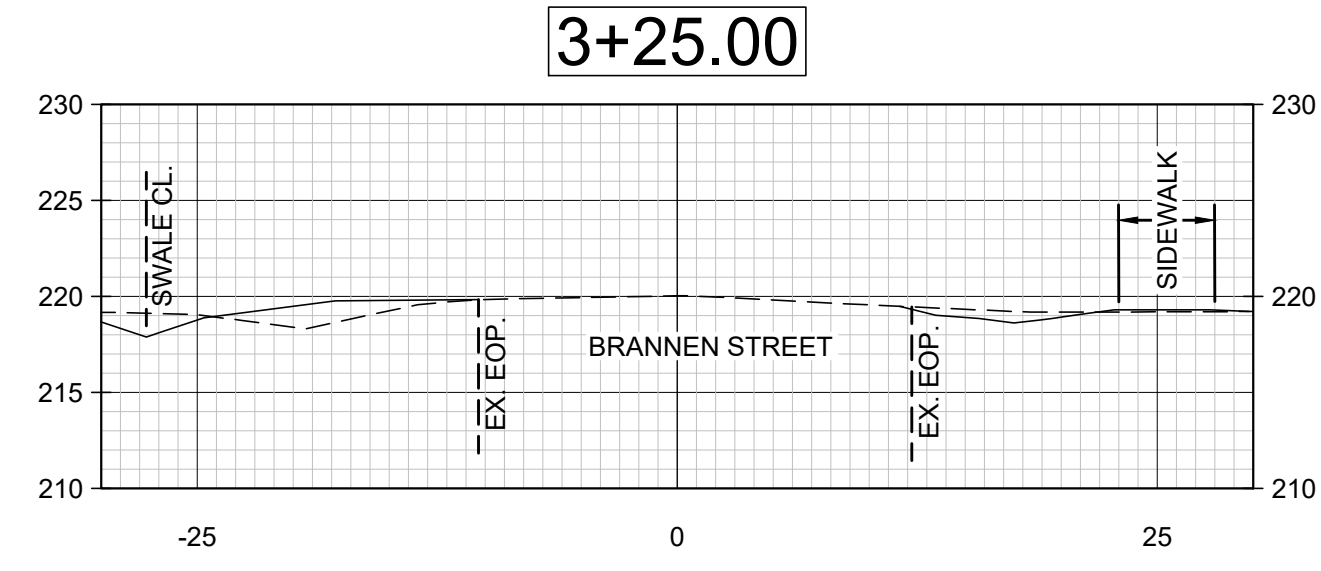
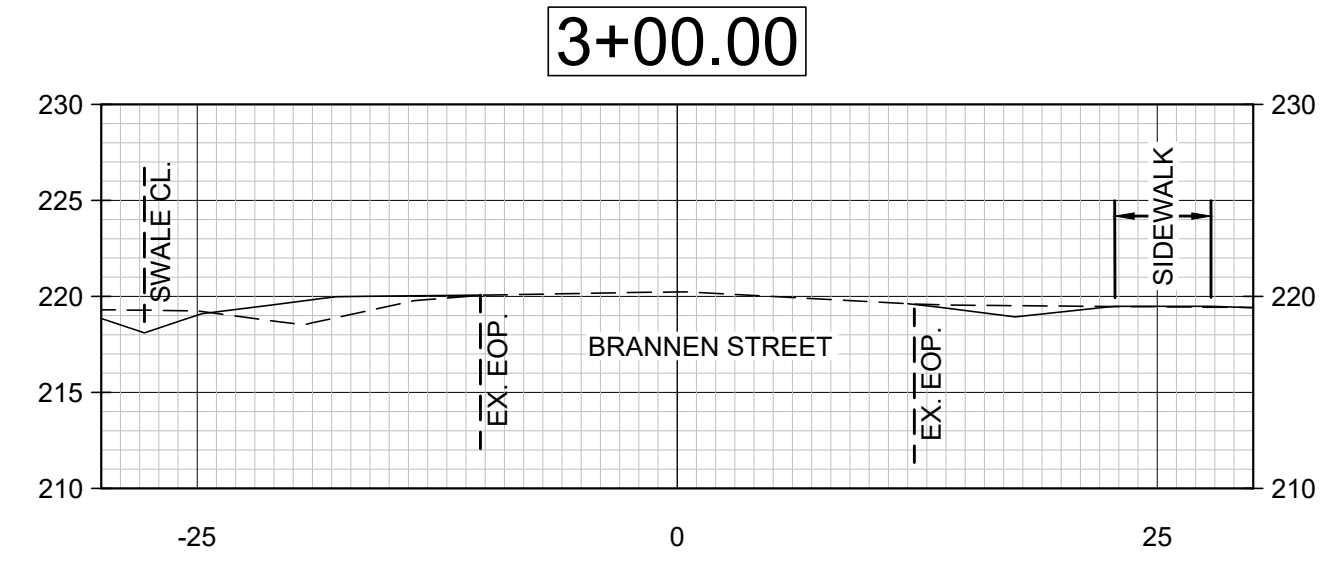
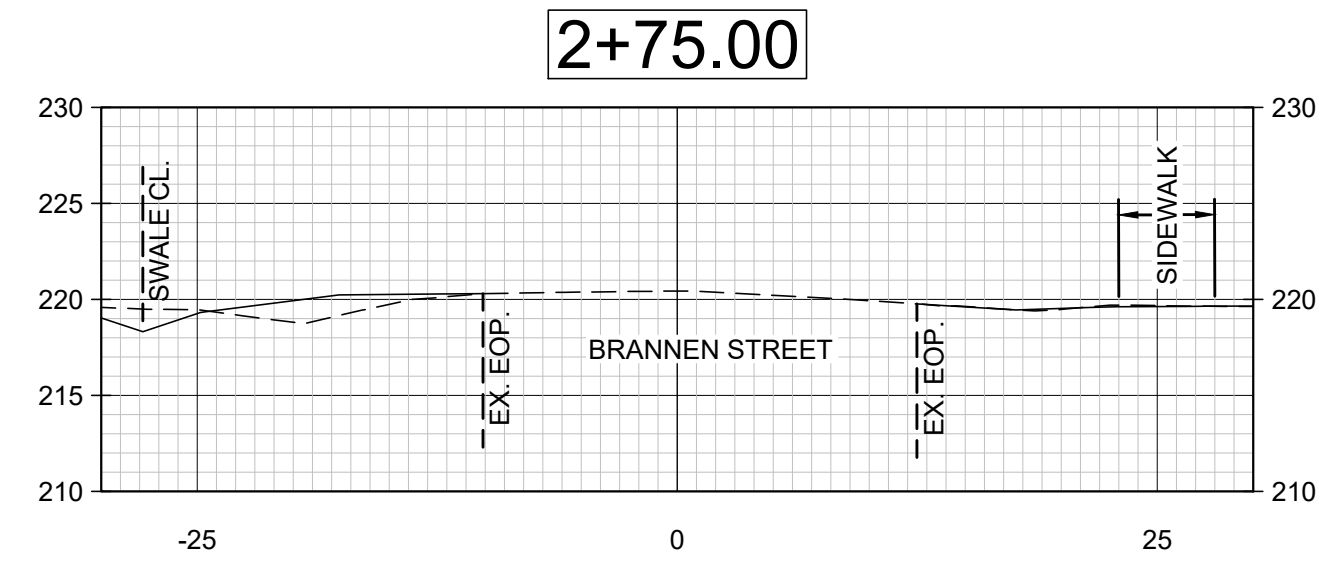
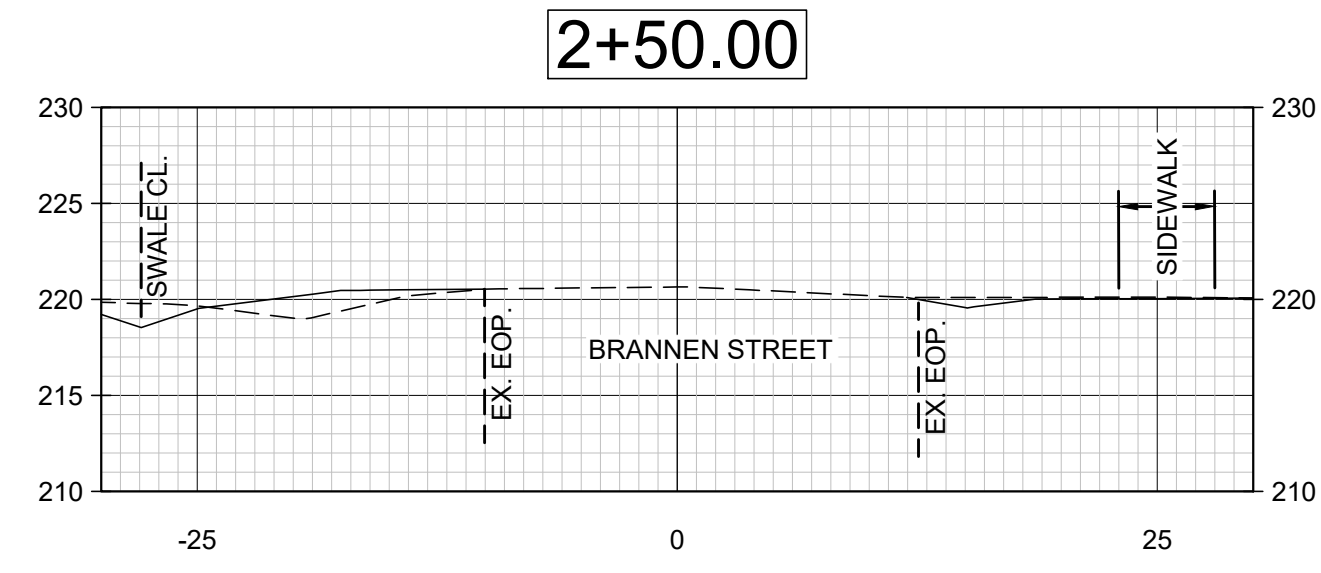
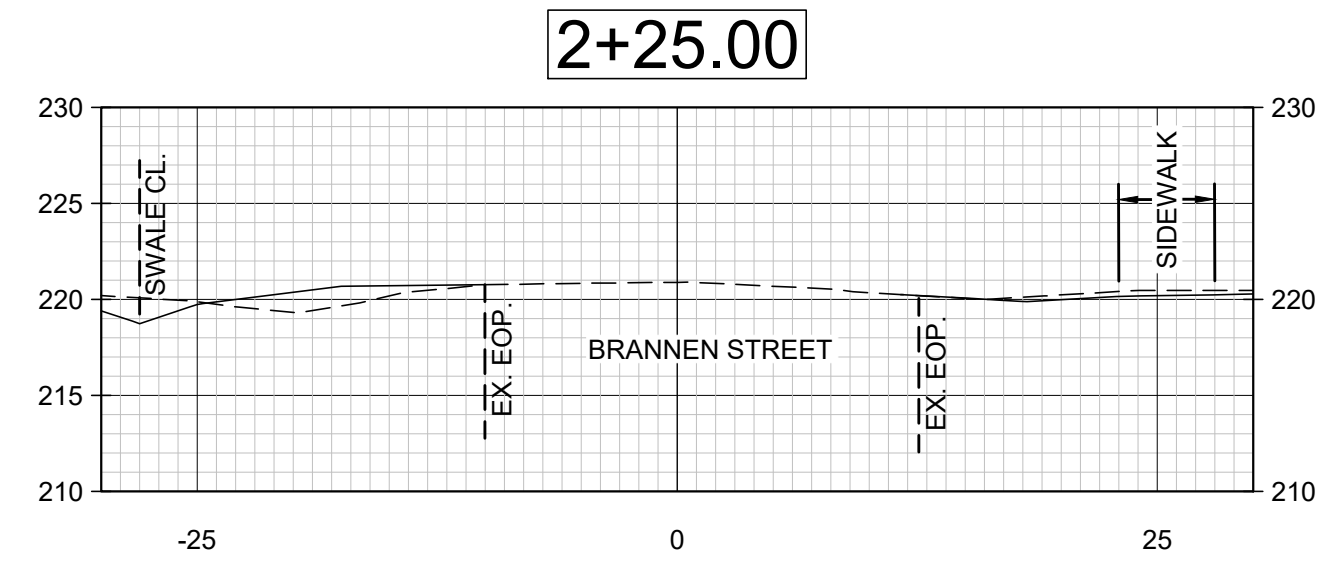
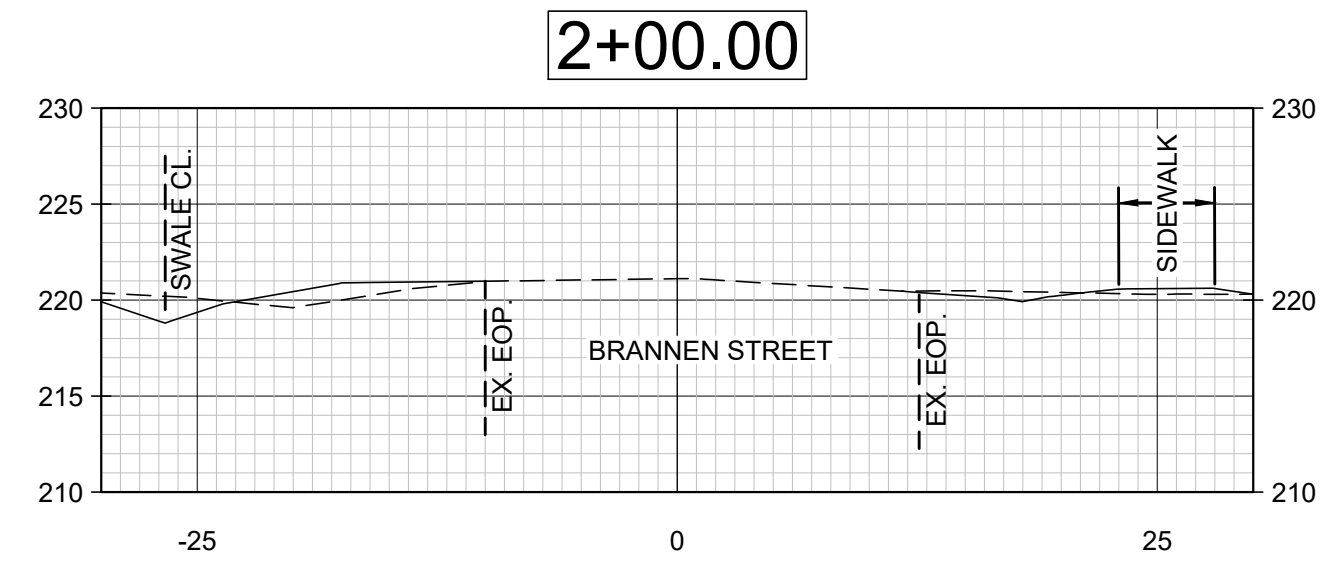
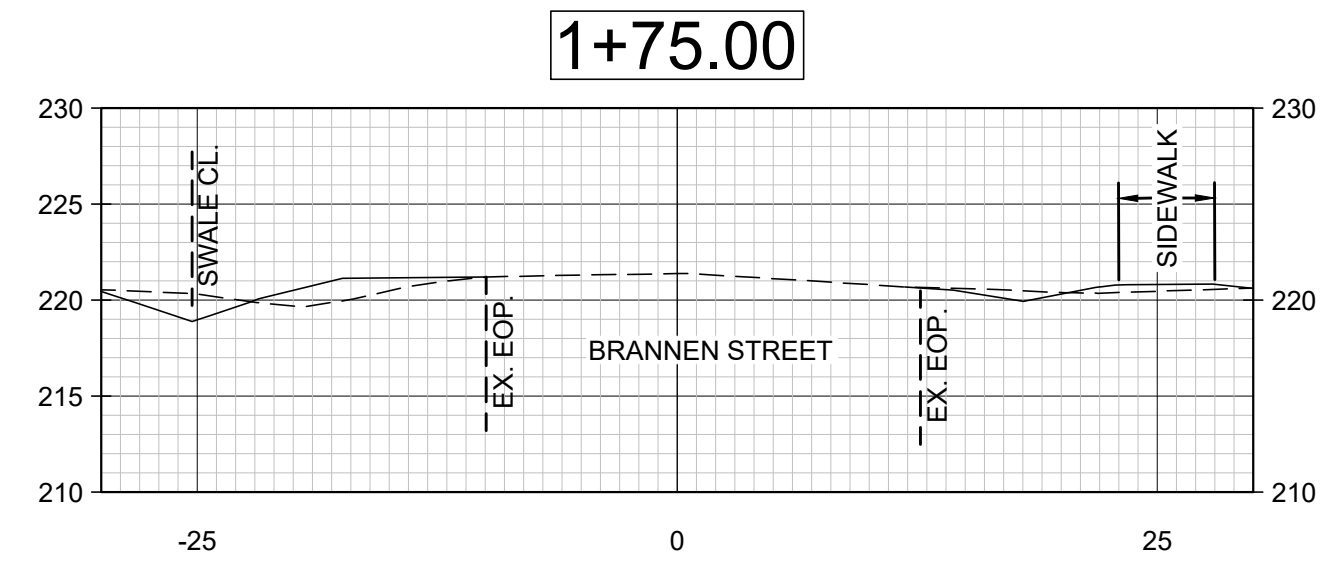
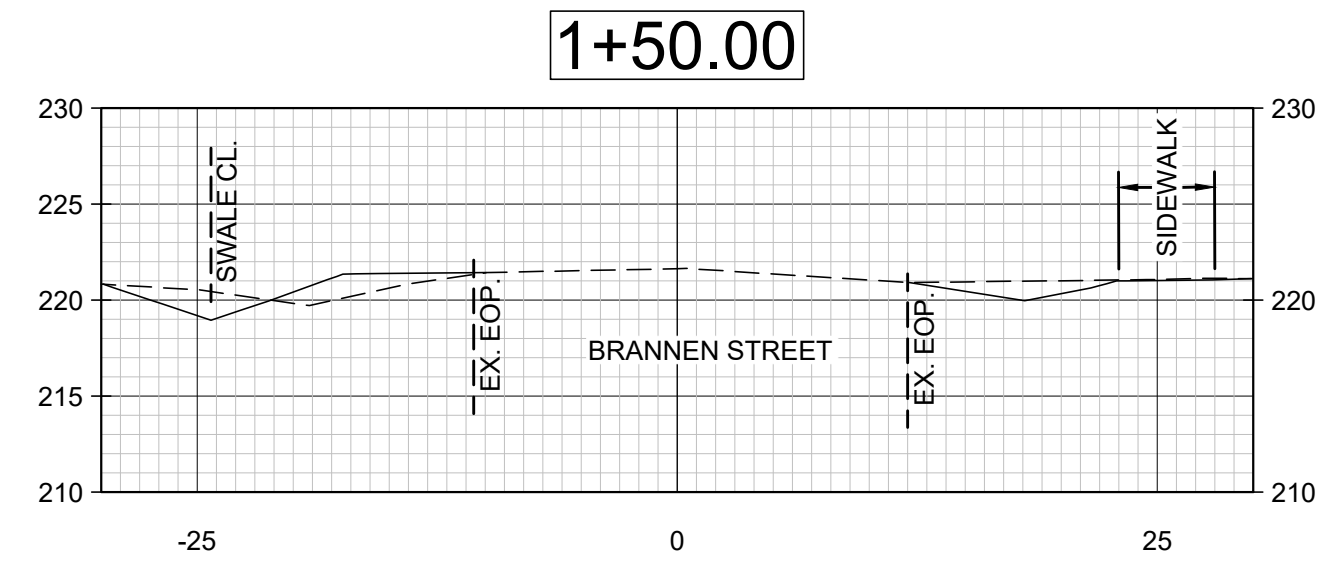
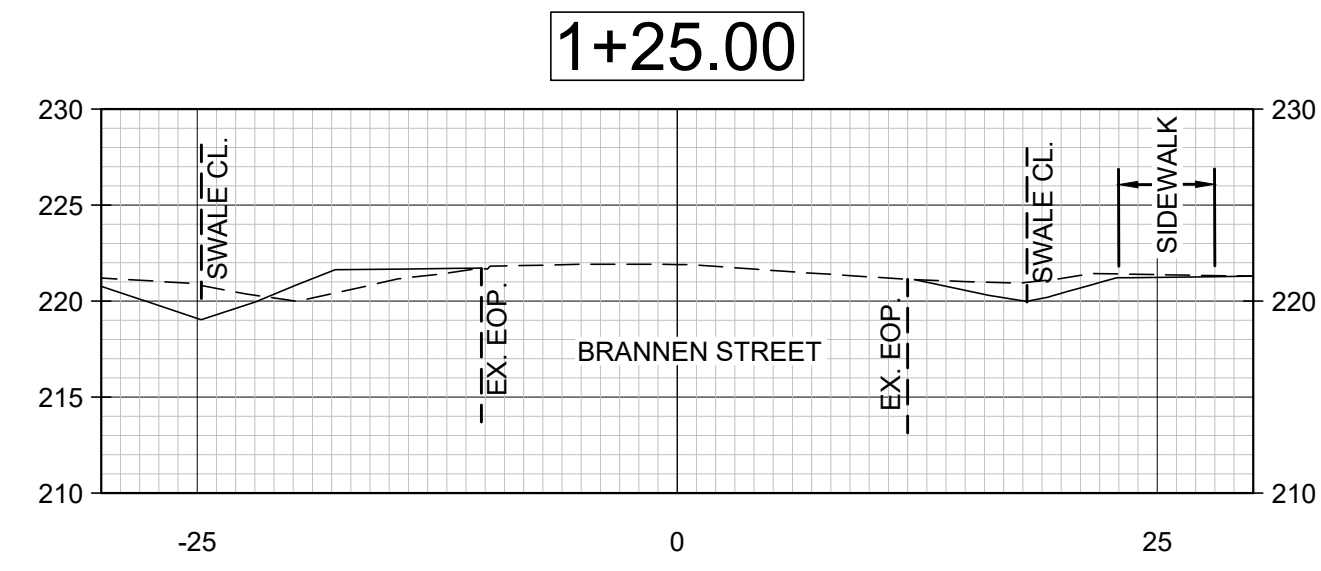
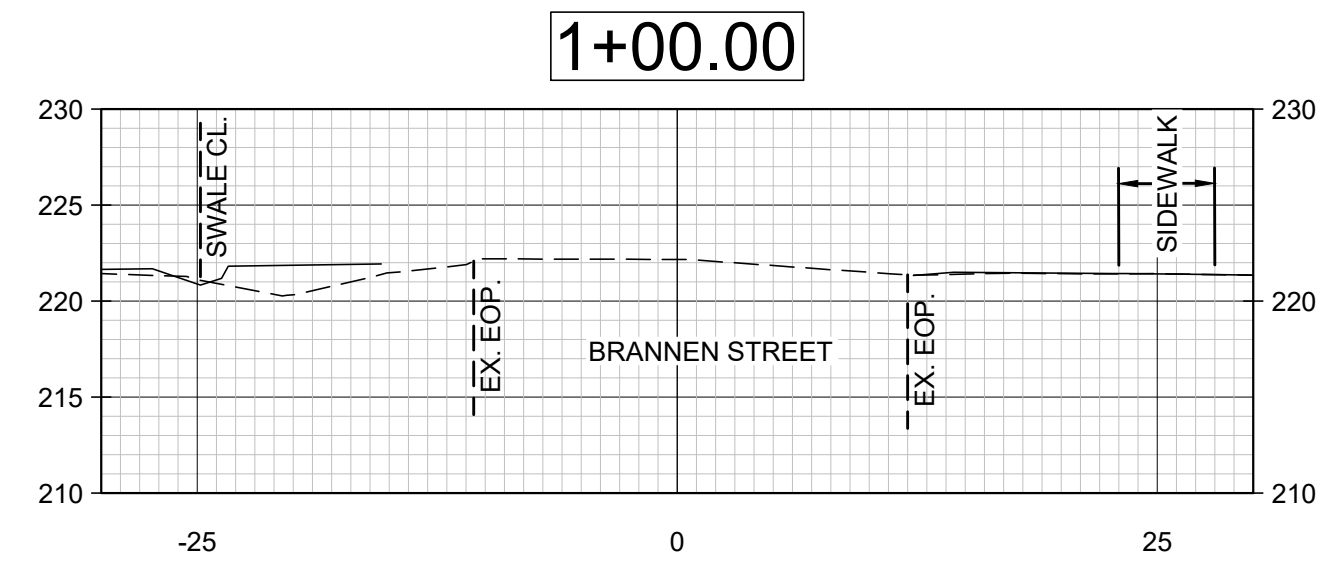
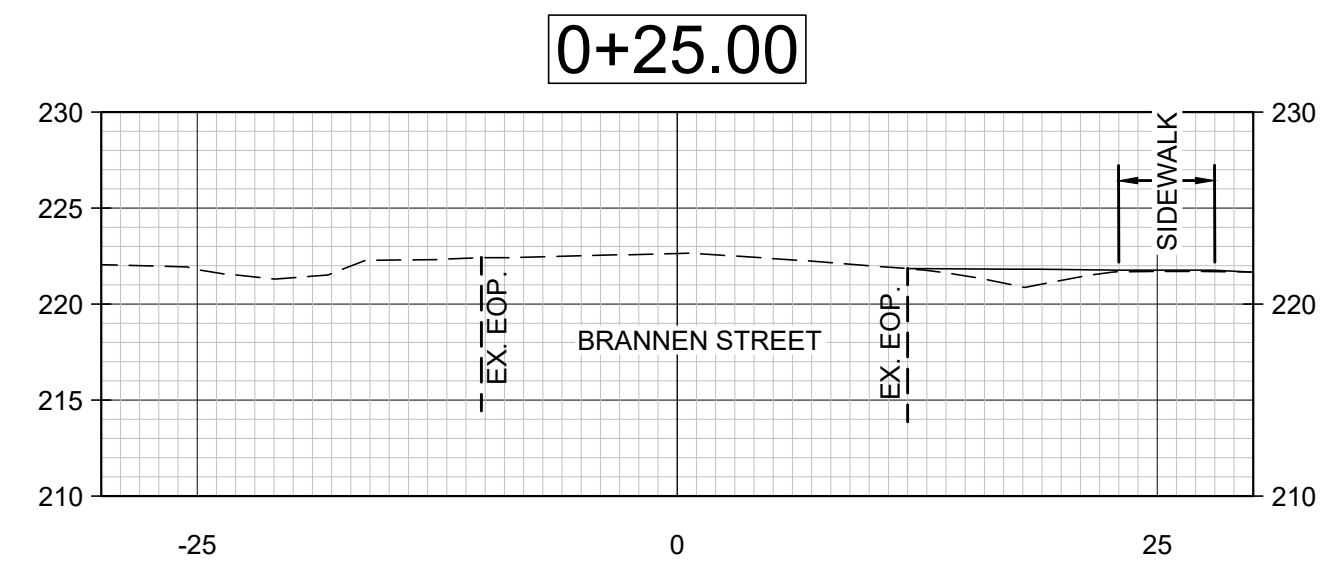
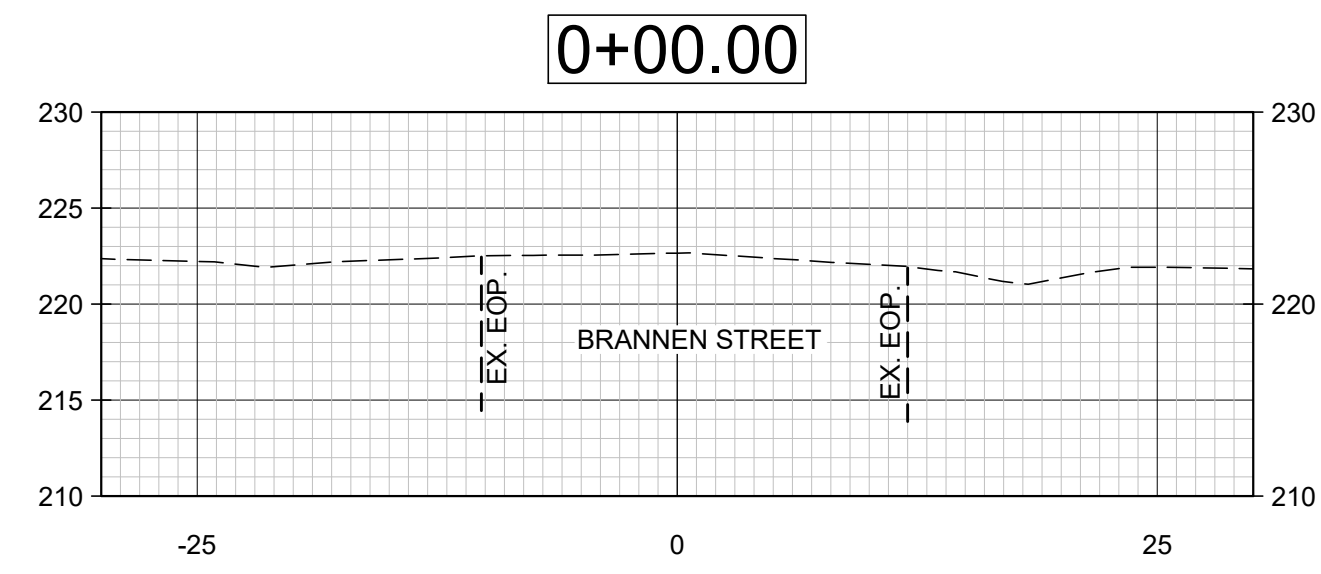
BRANNEN STREET SIDEWALK
 BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.
 STATESBORO, BULLOCH COUNTY, GEORGIA

Prepared for:
CITY OF STATESBORO

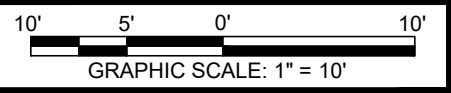
PROJECT NO.: 22-2019
 DRAWN BY: KML
 DESIGNED BY: CPR
 SURVEYED BY: EMC
 SURVEY DATE: 04/04/2022
 CHECKED BY: CPR
 SCALE: 1" = 30'
 DATE: 08/03/2022

SHEET 5 OF 12

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019 CROSS SECTIONS.DWG 12/8/2022 9:50 AM



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22
2	ADDED SHEET 12, RREF DETAIL	12-08-22



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

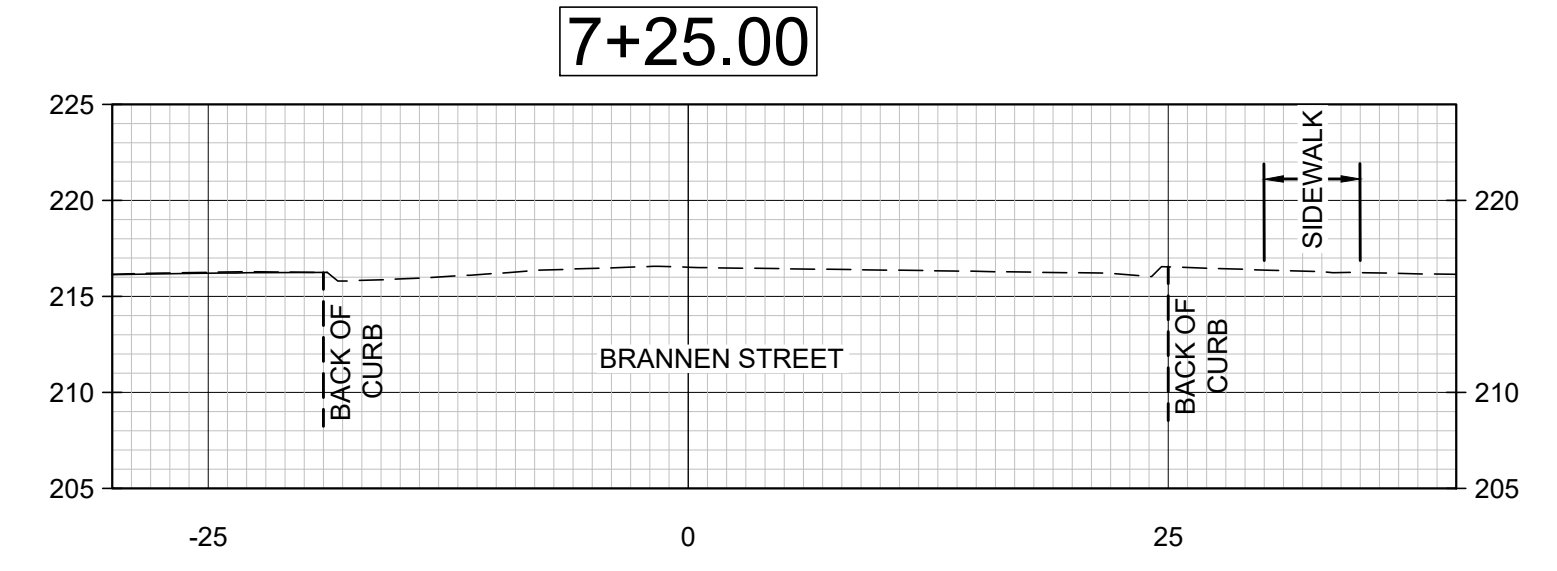
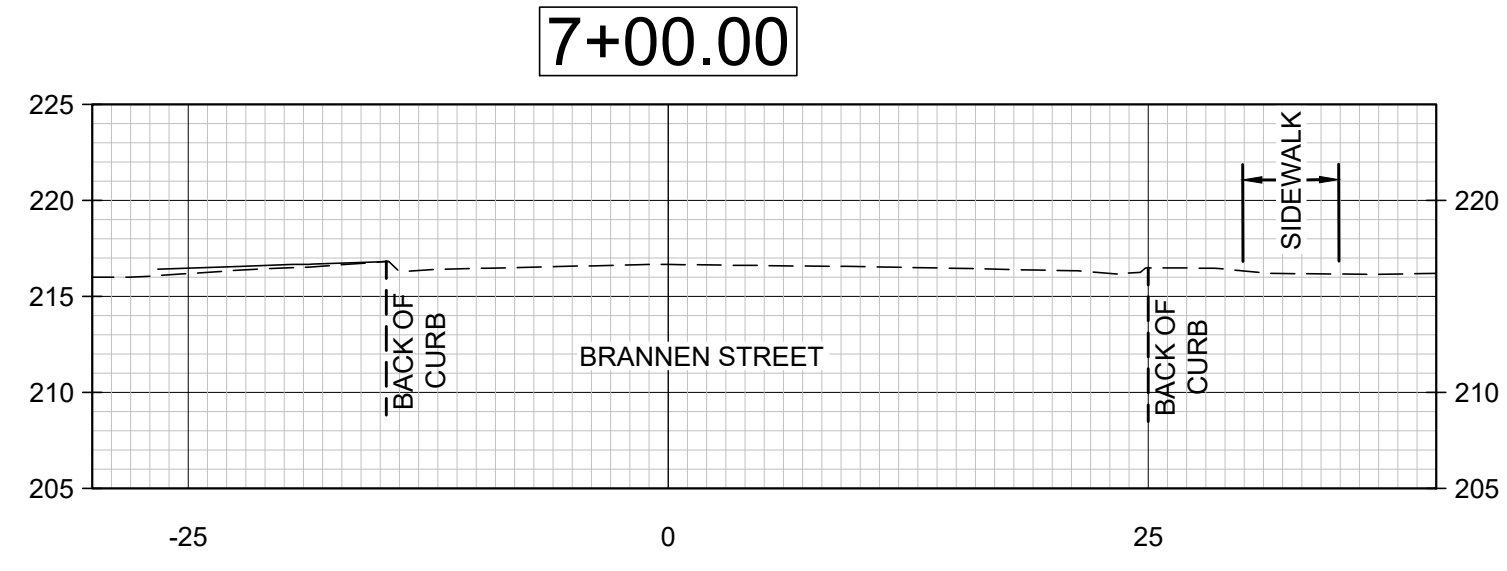
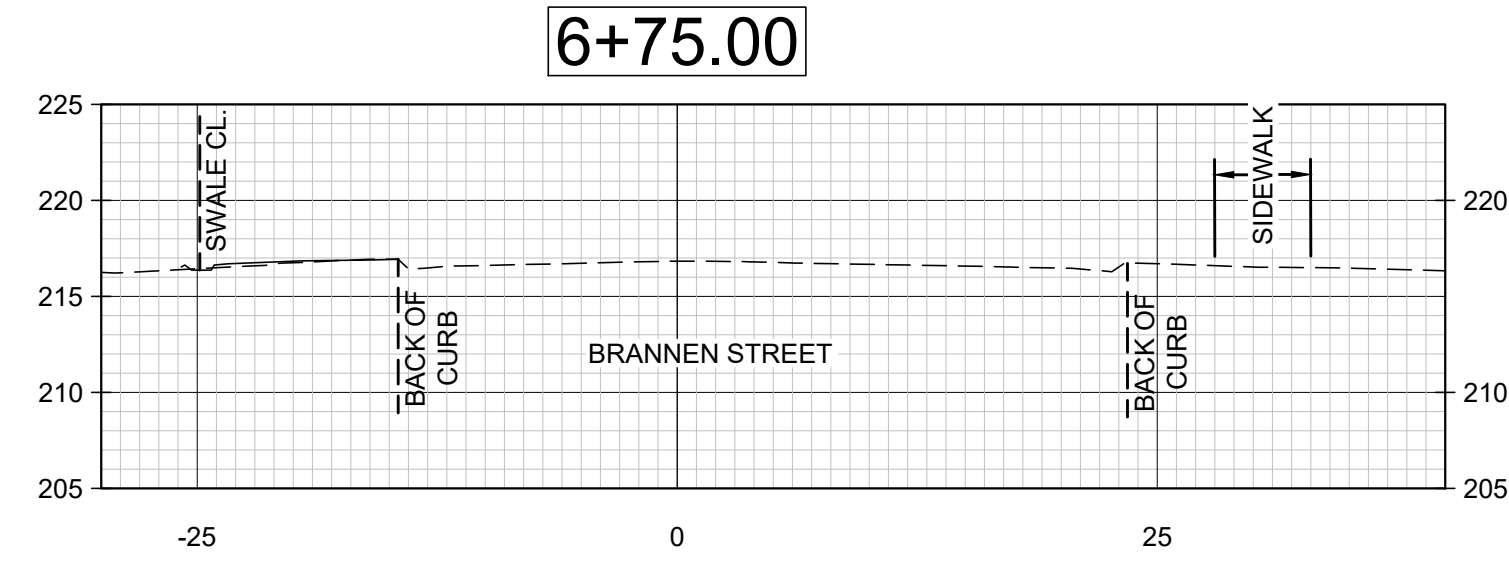
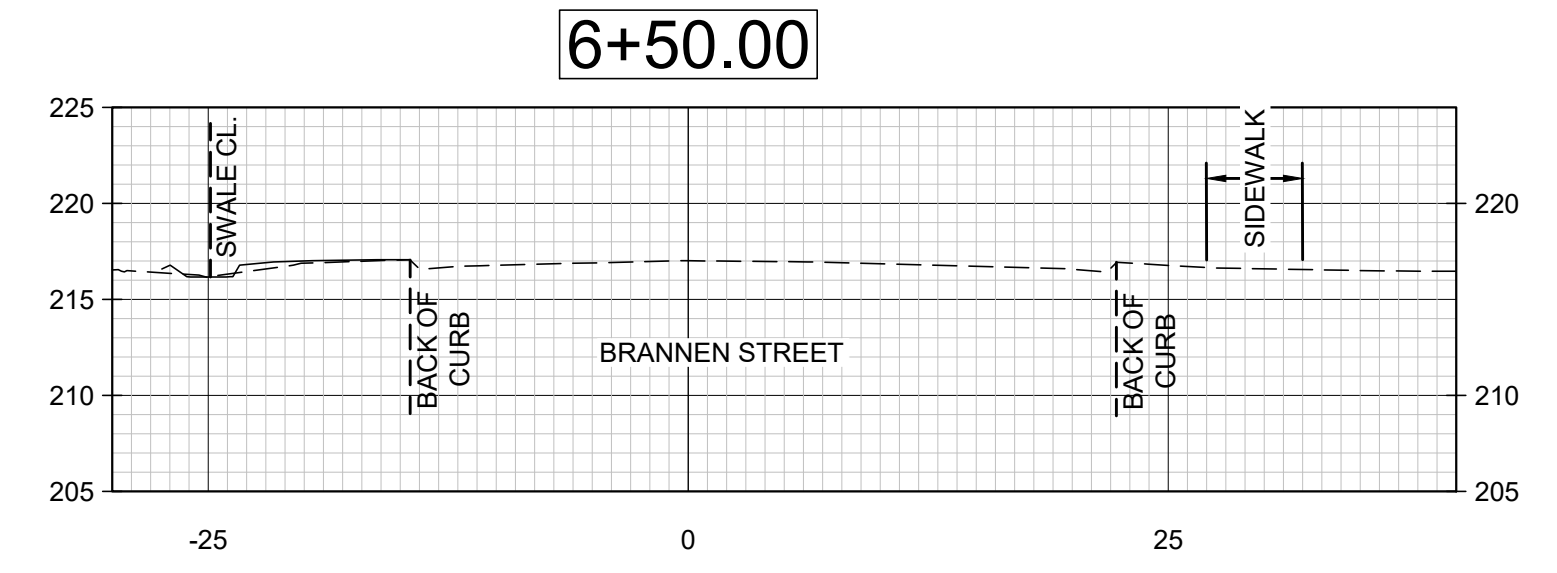
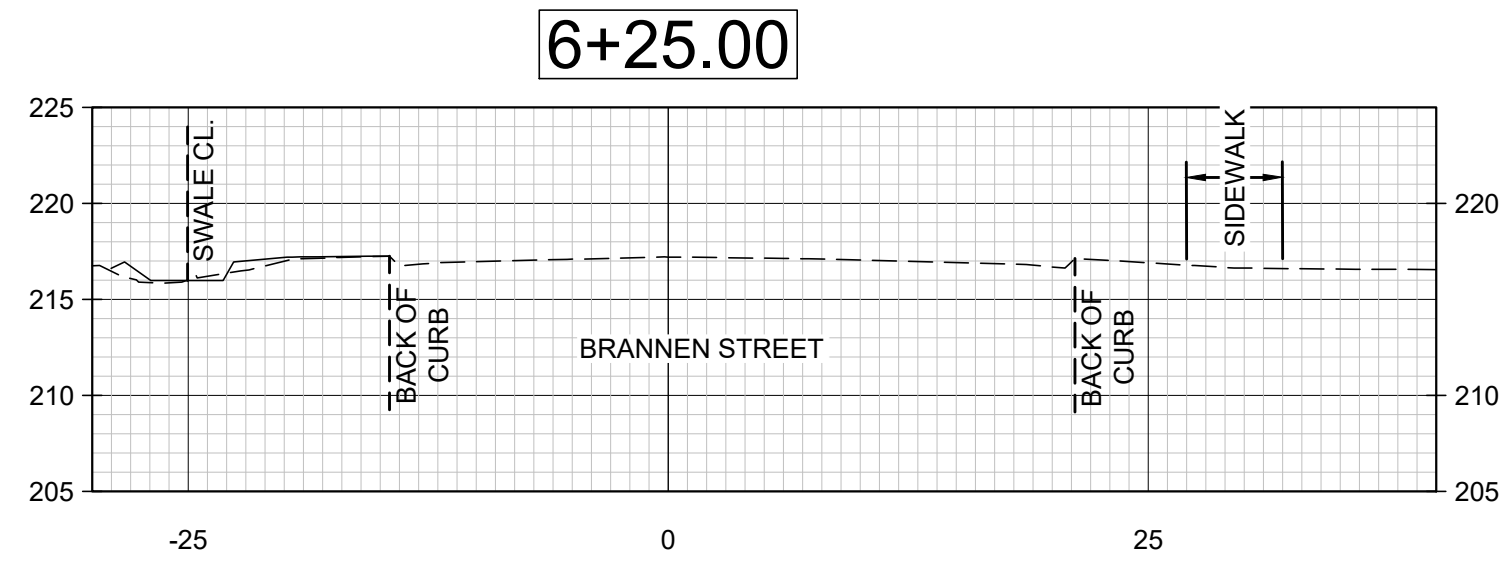
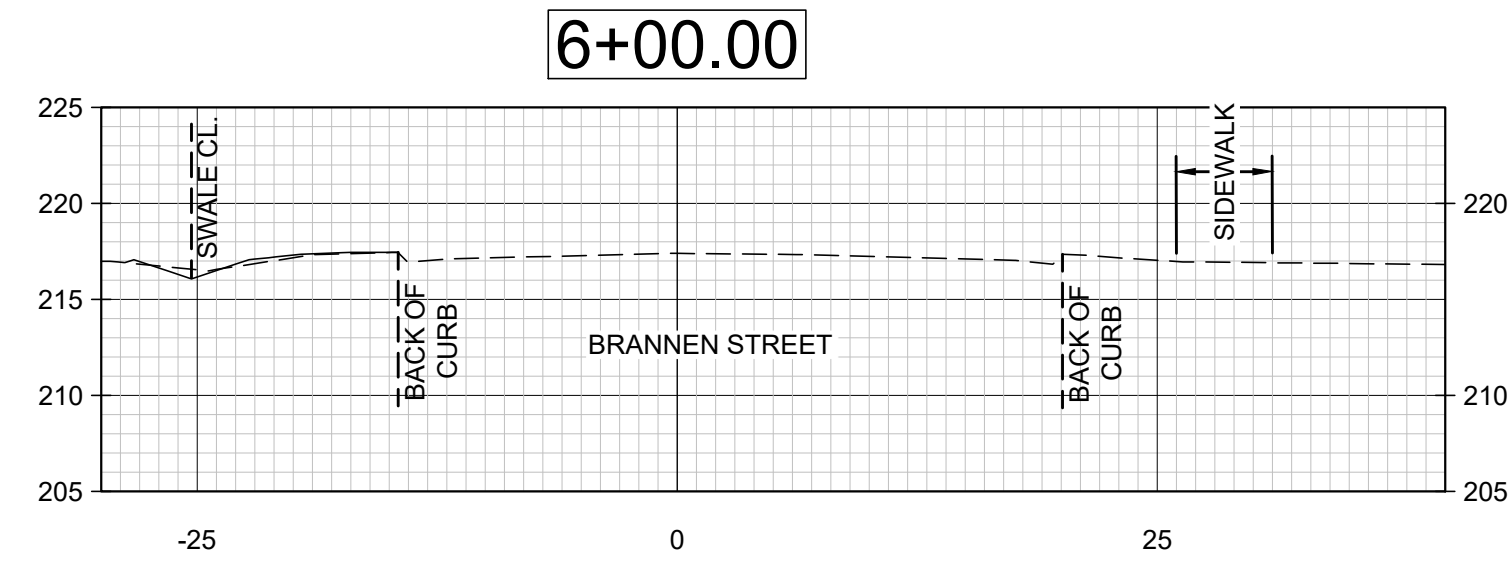
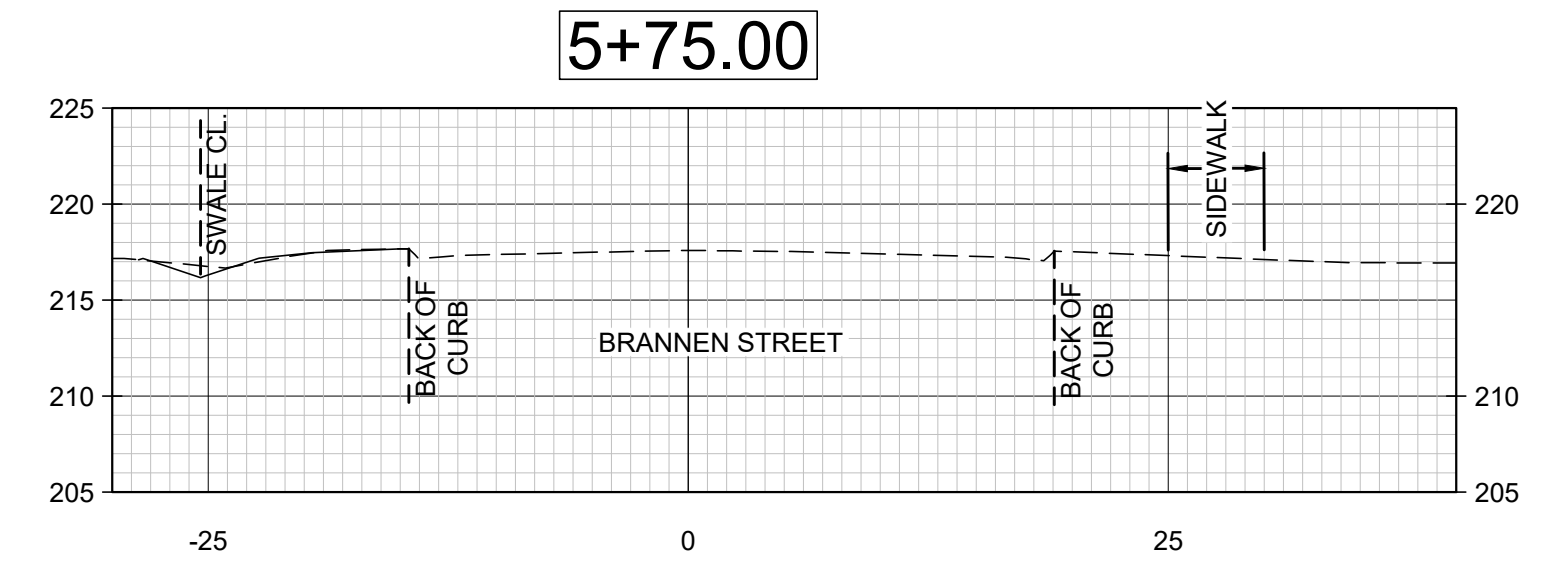
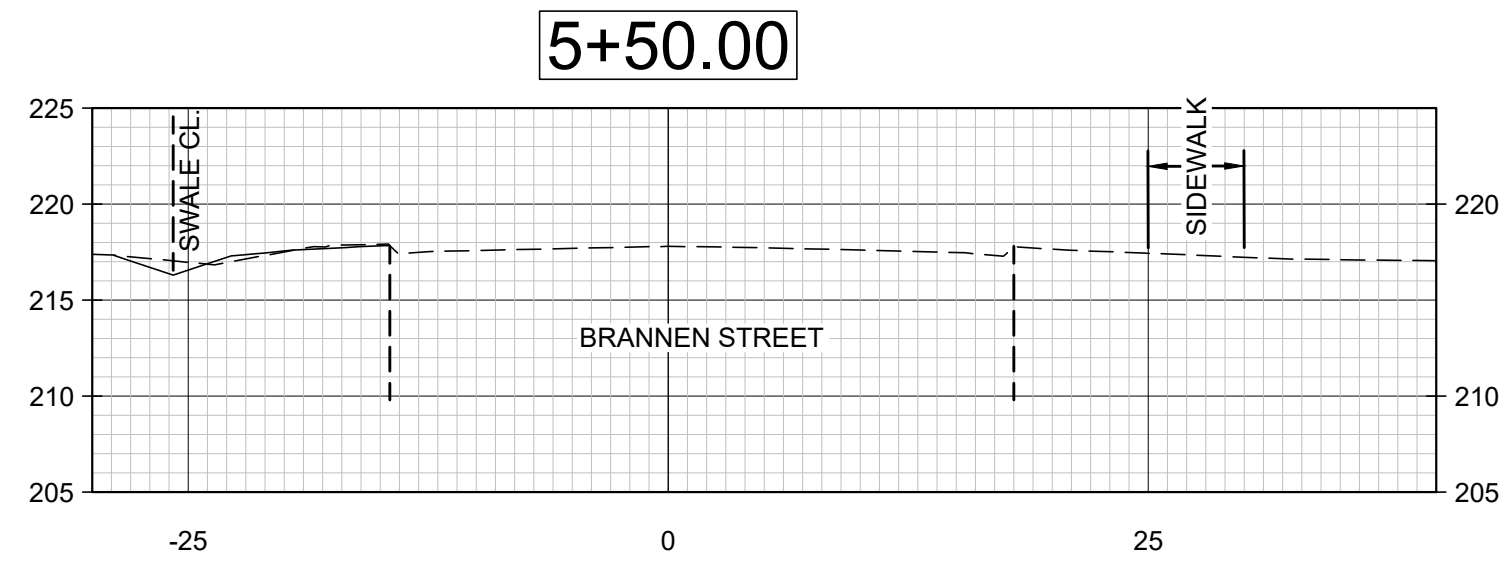
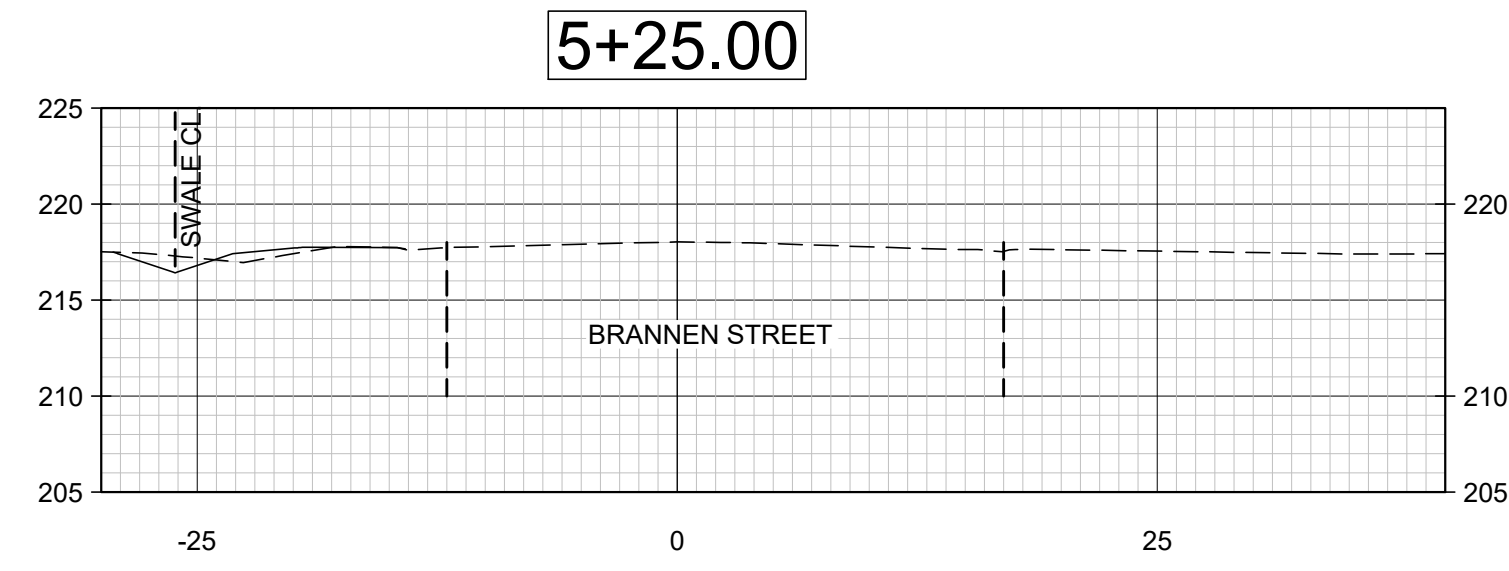
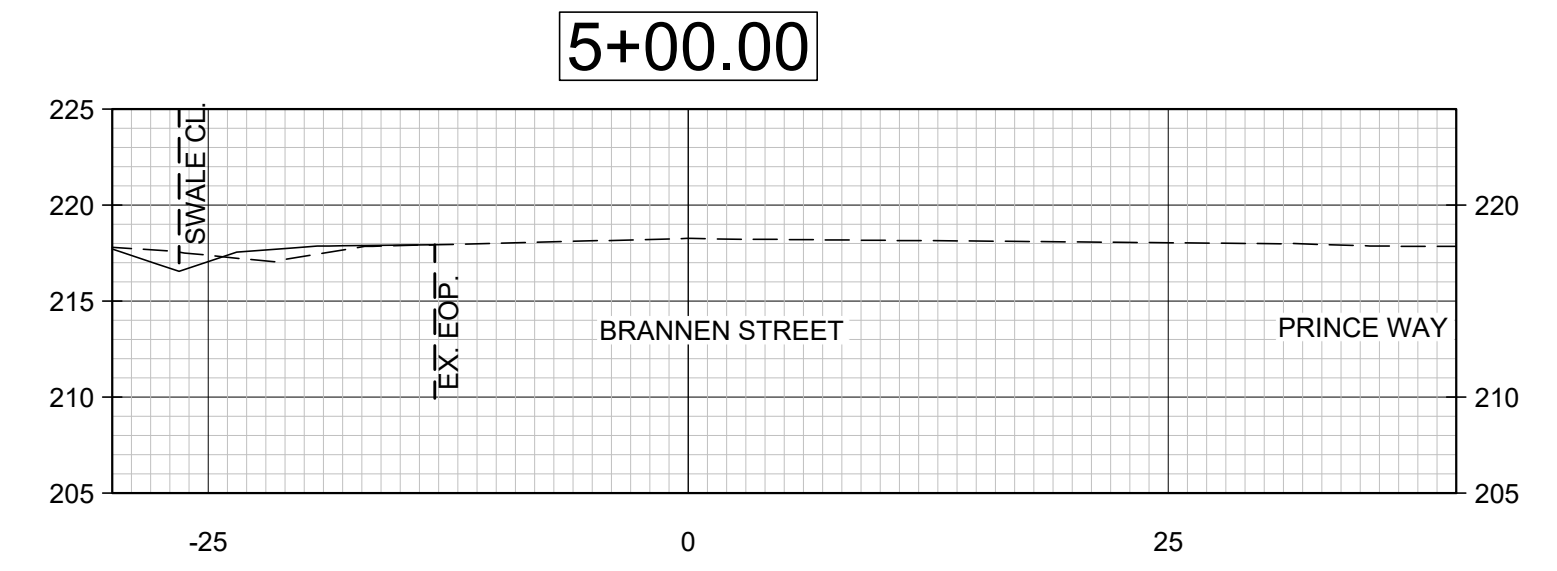
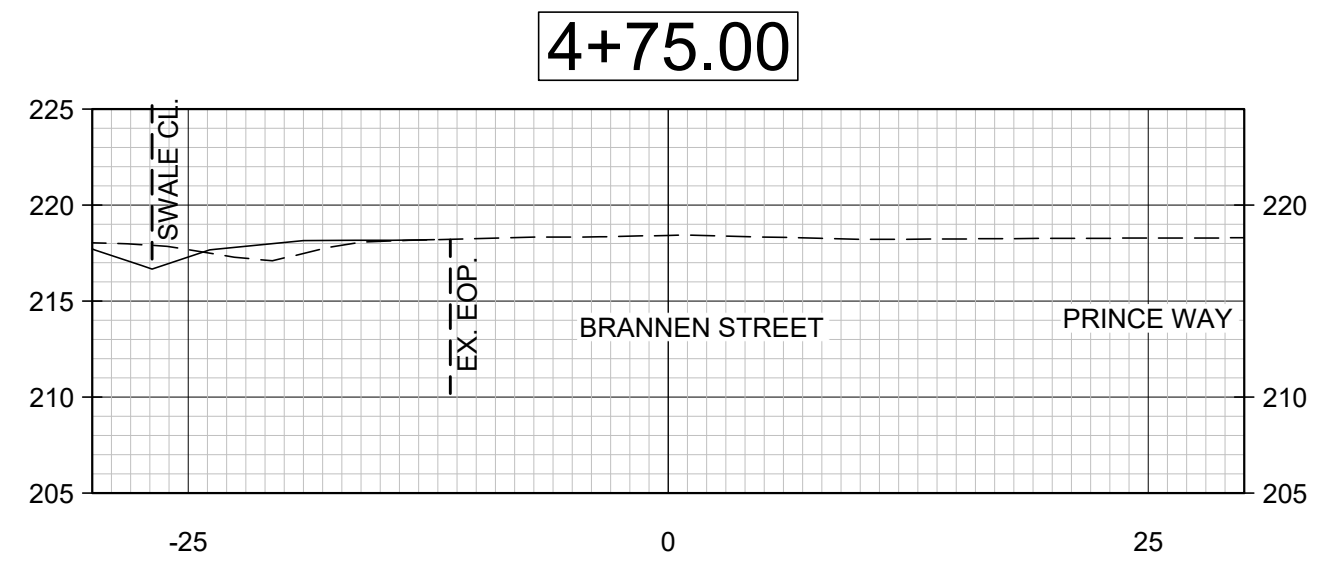
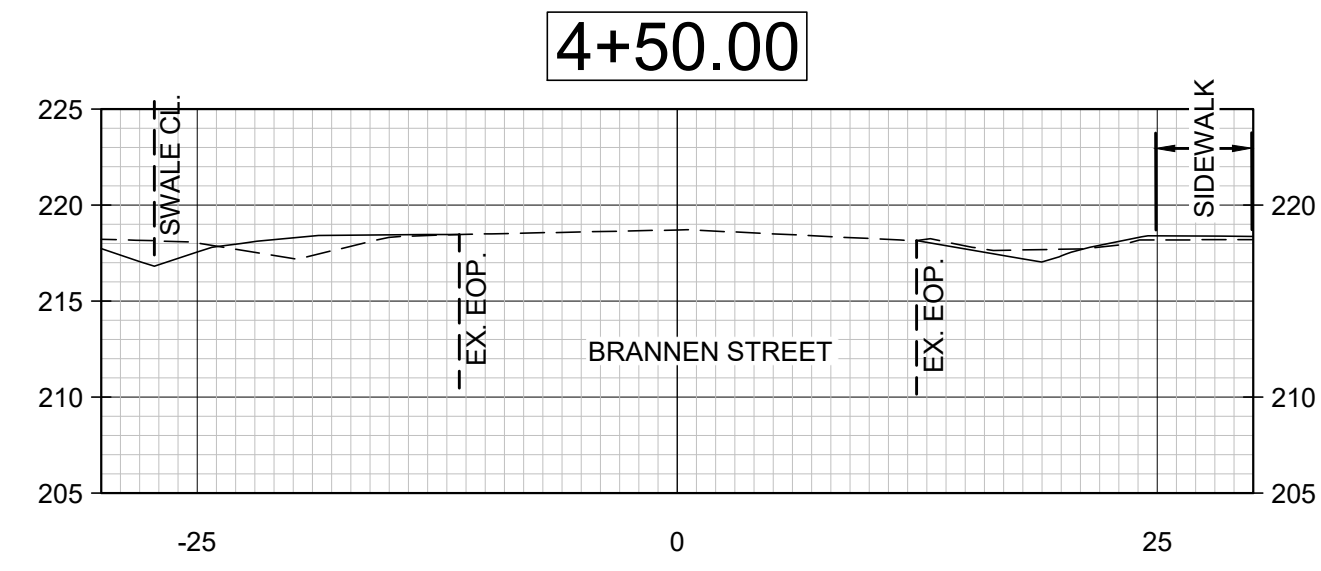
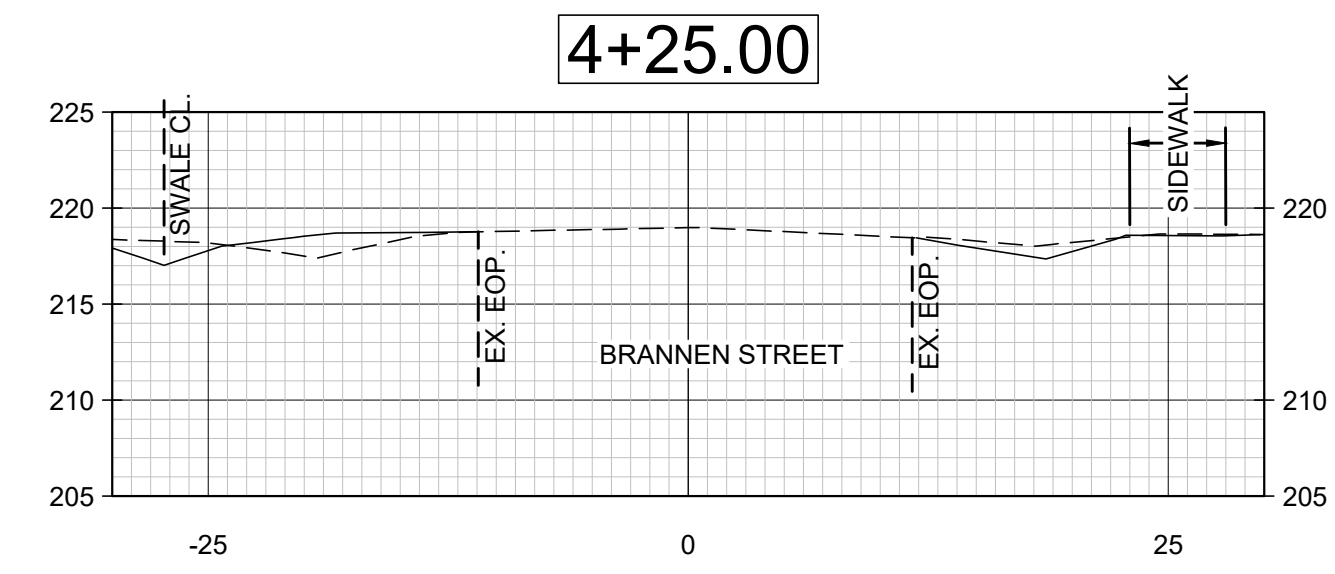
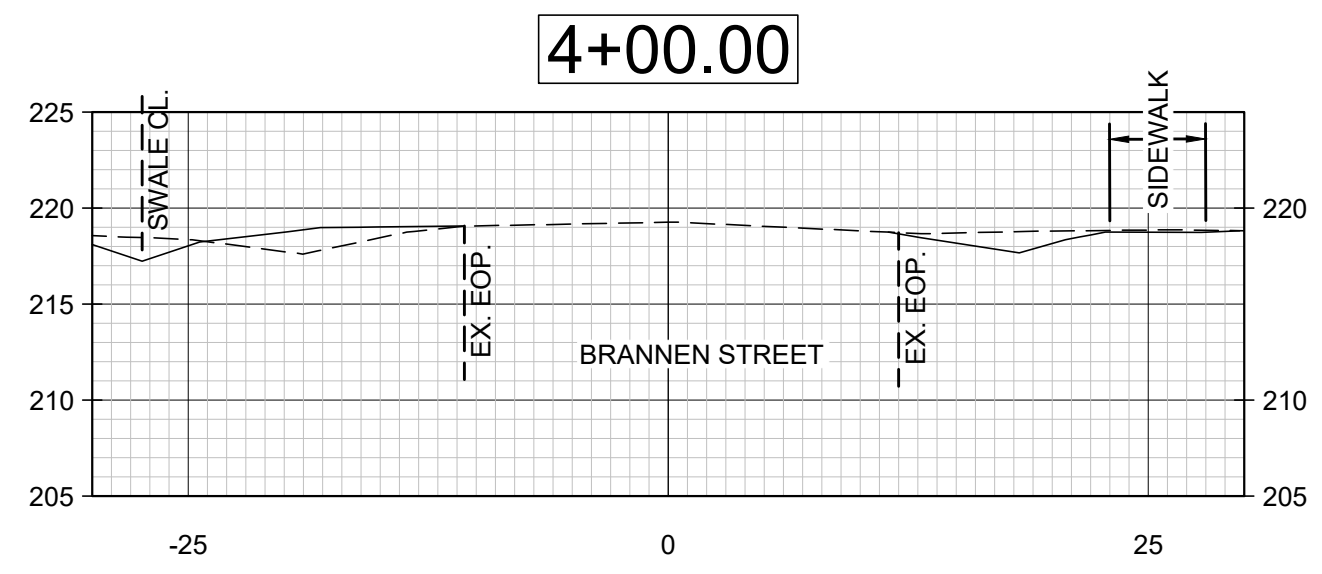
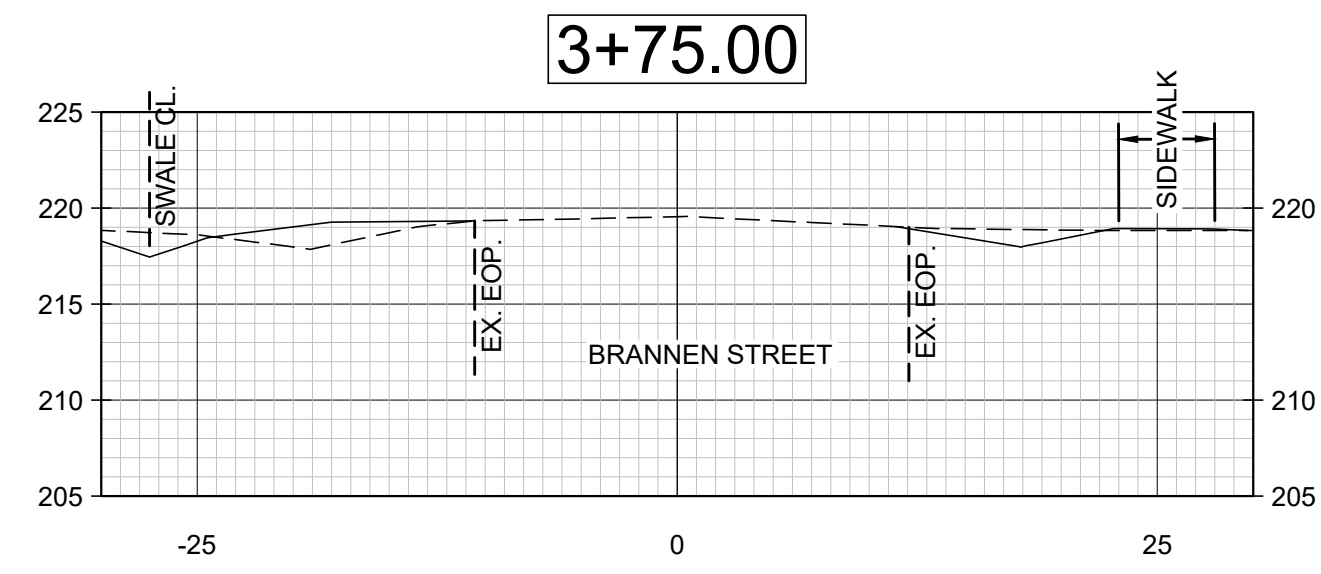
EMC
 CIVIL
 MARINE
 ENVIRONMENTAL

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 12/8/2022 9:50 AM



NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22
2	ADDED SHEET 12, RREF DETAIL	12-08-22



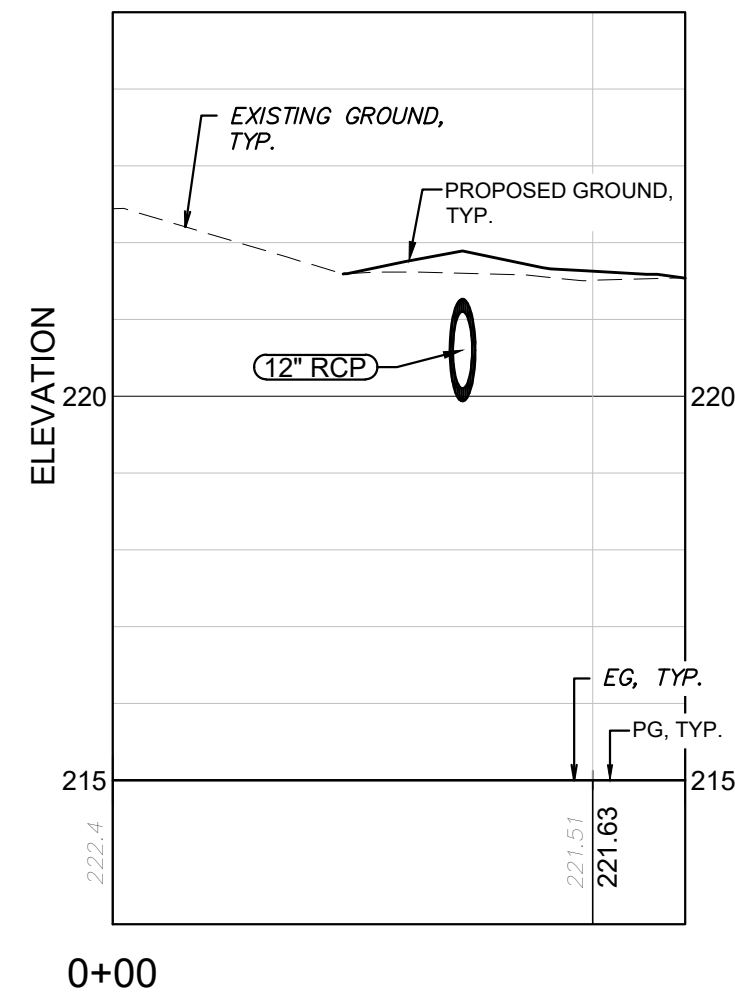
GRAPHIC SCALE: 1" = 10'

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

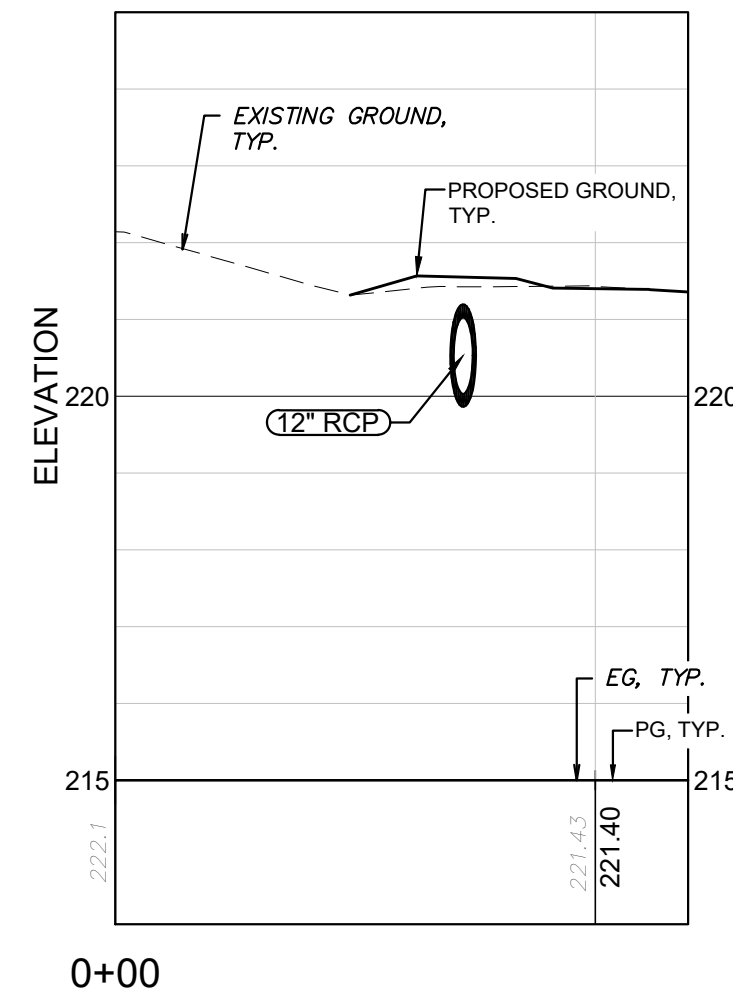
BRANNEN STREET CROSS SECTIONS
BRANNEN STREET SIDEWALK
 BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.
 STATESBORO, BULLOCH COUNTY, GEORGIA
 Prepared for:
 CITY OF STATESBORO

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

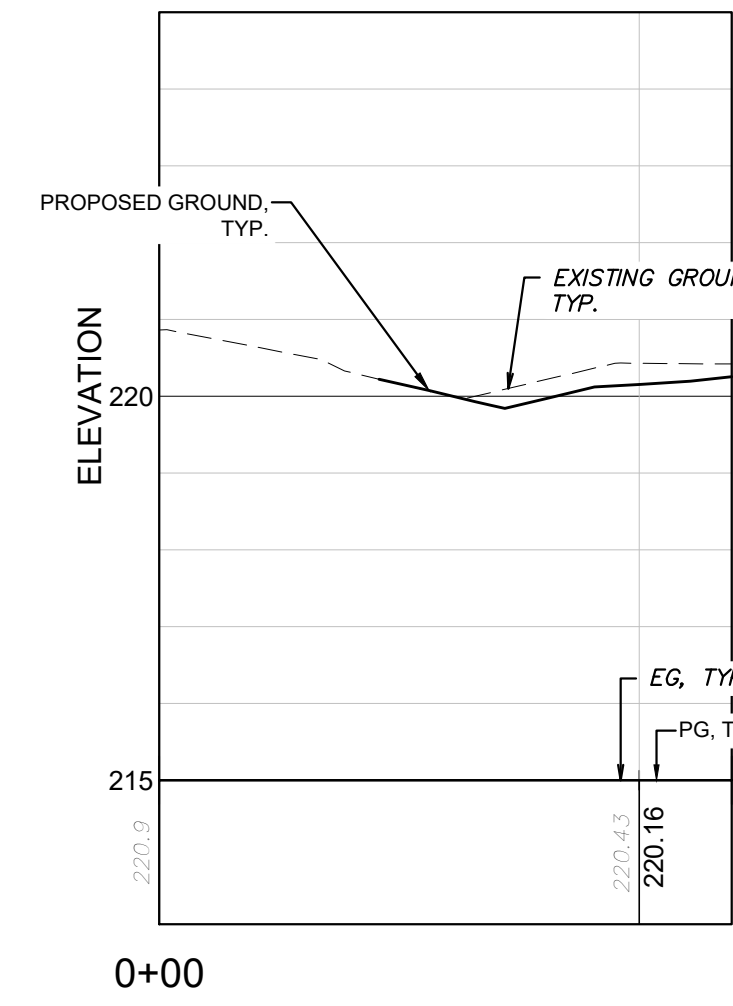
G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019G_B01 BRANNEN STREET SIDEWALK.DWG 12/9/2022 9:50 AM



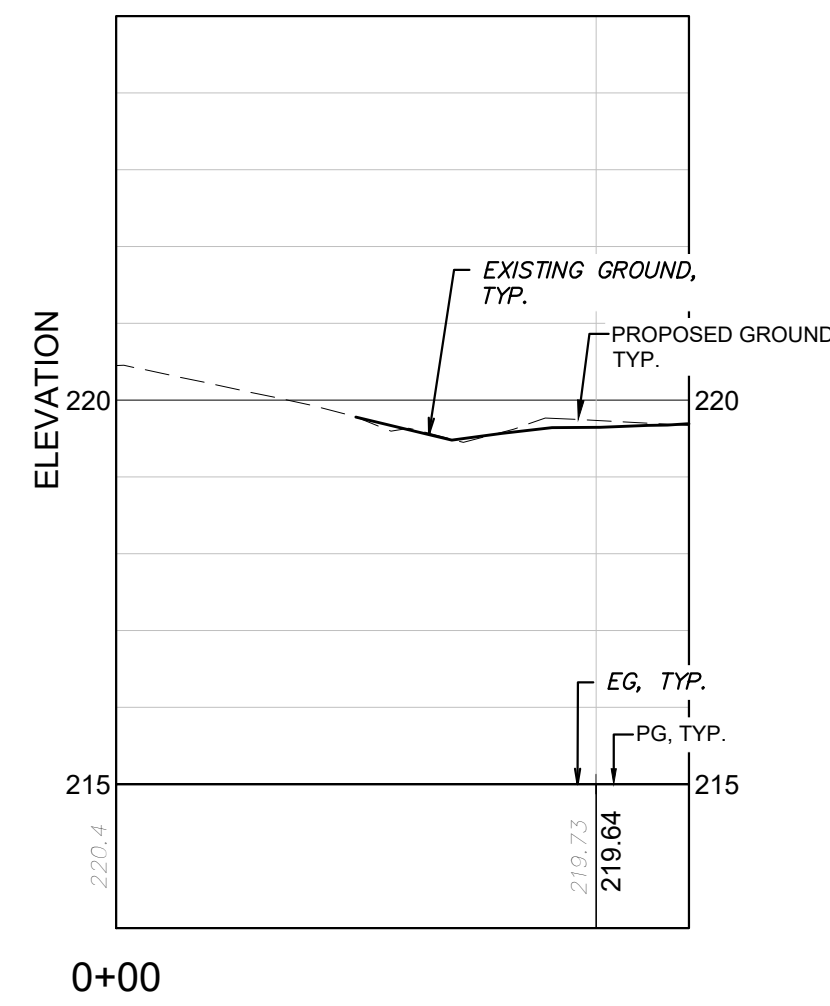
DRIVEWAY 0+67 PROFILE
 HORZ SCALE: 1" = 10'
 VERT SCALE: 1" = 2'



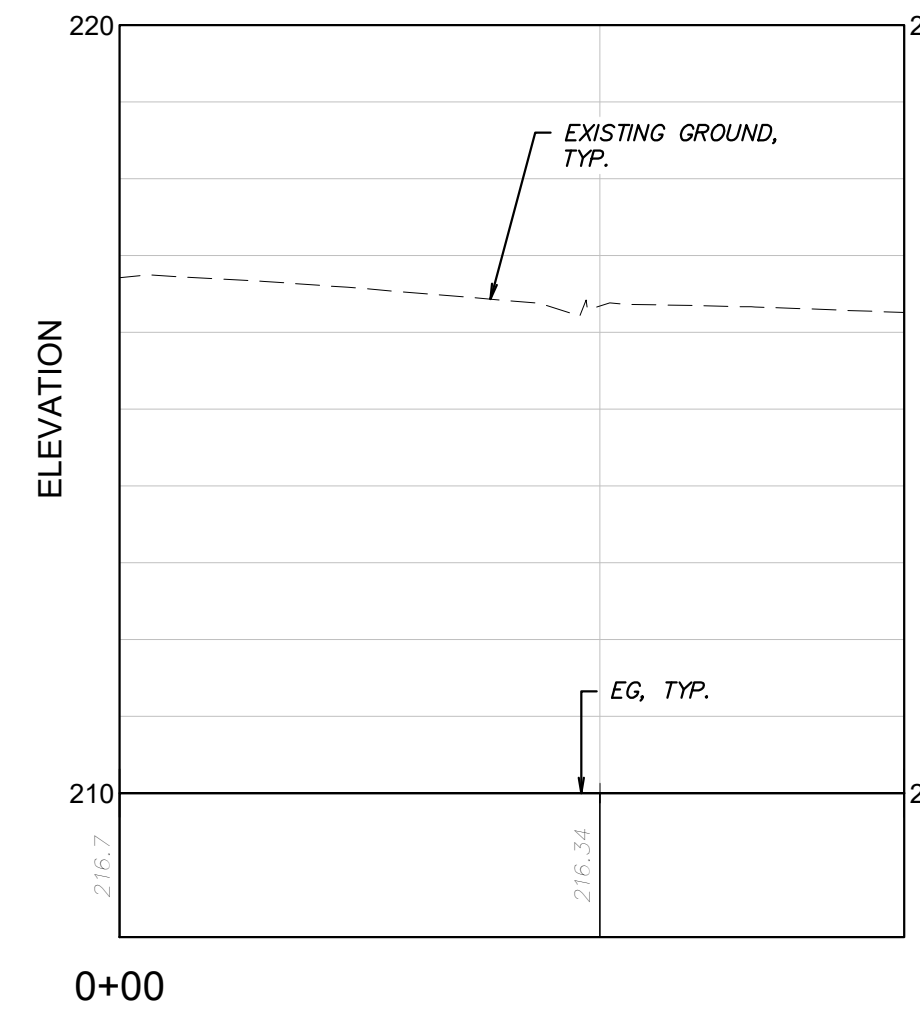
DRIVEWAY 1+03 PROFILE
 HORZ SCALE: 1" = 10'
 VERT SCALE: 1" = 2'



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

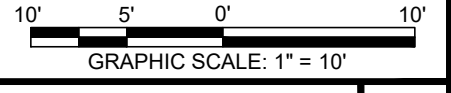


DRIVEWAY 2+72 PROFILE
 HORZ SCALE: 1" = 10'
 VERT SCALE: 1" = 2'



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
2	ADDED SHEET 12, RREF DETAIL	12-08-22



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

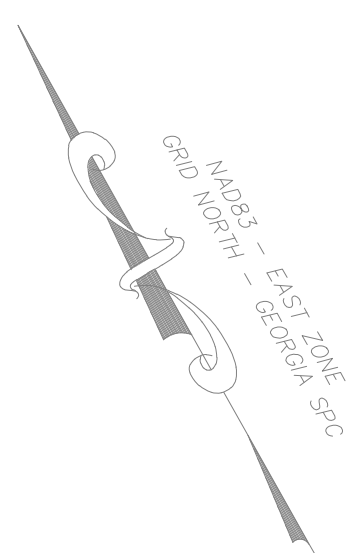
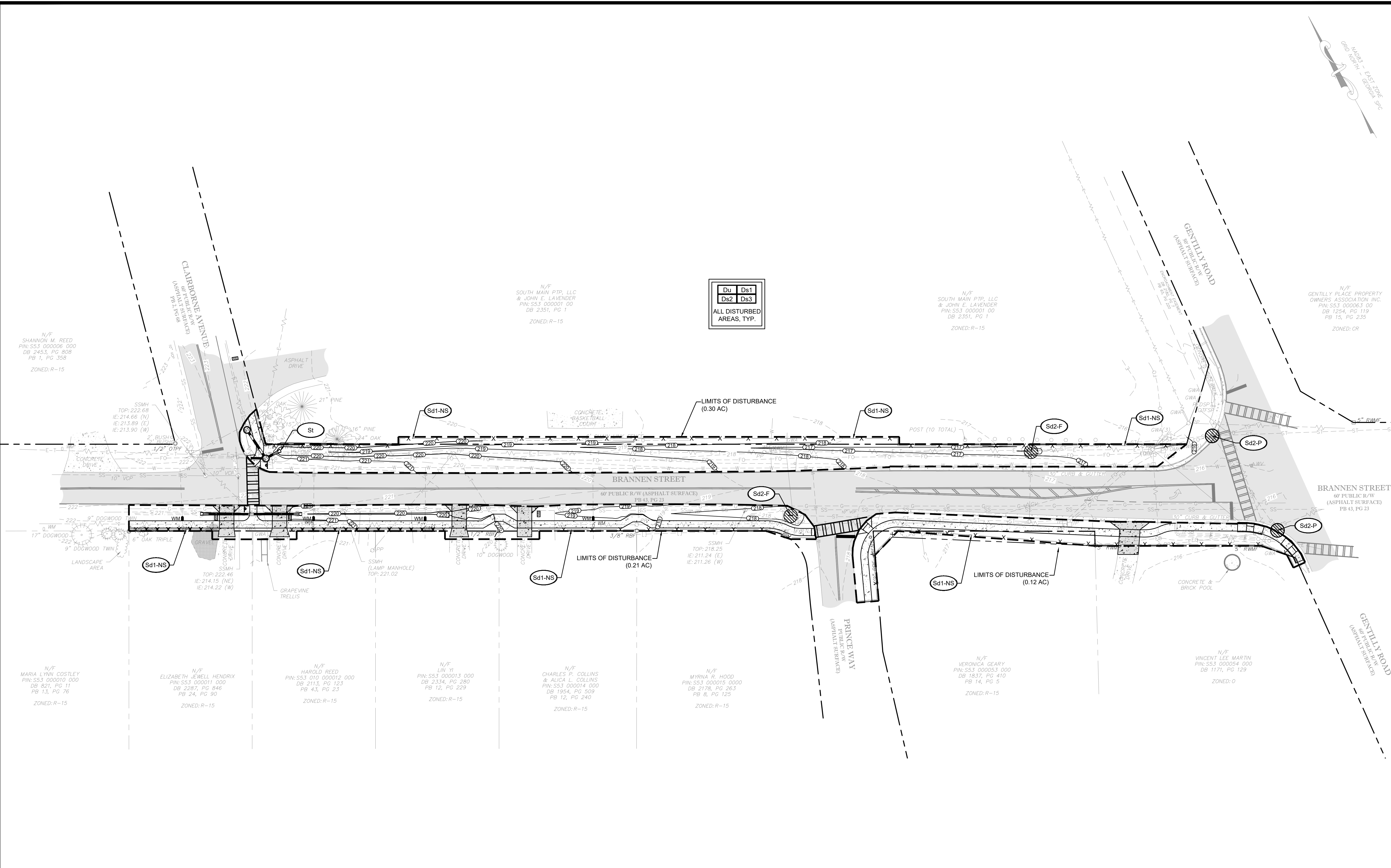
CIVIL
 MARINE
 ENVIRONMENTAL

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_B01 BRANNEN STREET SIDEWALK.DWG 12/19/2022 9:50 AM



Du	Ds1
Ds2	Ds3

ALL DISTURBED AREAS, TYP.

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.

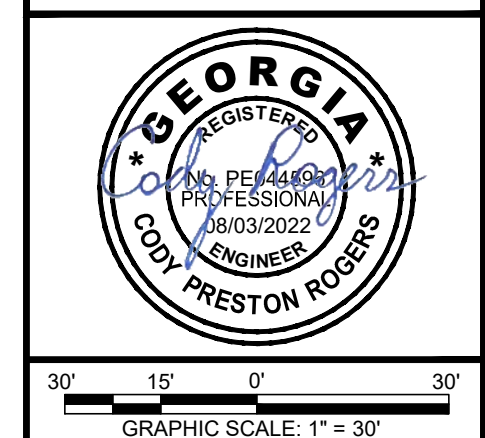
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22
2	ADDED SHEET 12, RREF DETAIL	12-08-22

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.
1211 Merchant Way, Suite 201
Statesboro, GA 30458
Ph: (912) 764-7022
Fax: (912) 763-4880
statesboro@emc-eng.com
www.emc-eng.com

CIVIL MARINE ENVIRONMENTAL

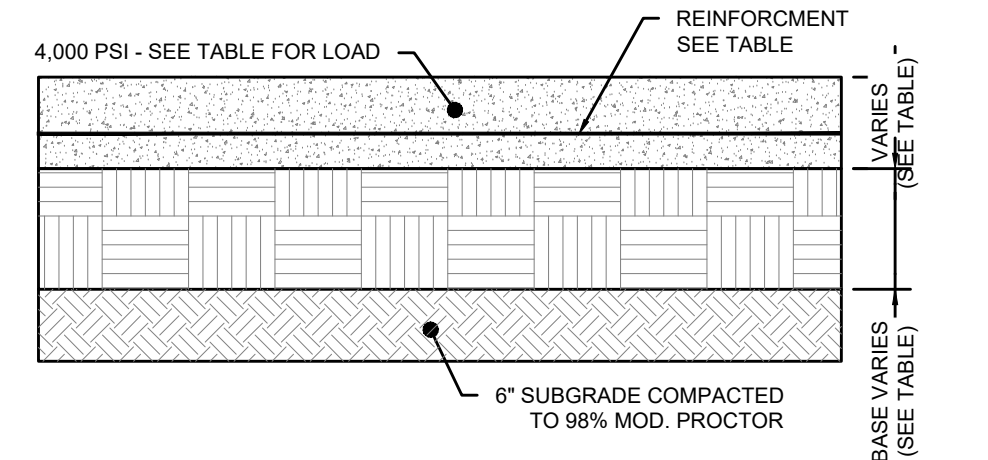
ALBANY • ATLANTA • AUGUSTA • BRUNSWICK • COLUMBUS
GREENVILLE • SAVANNAH • STATESBORO • THOMASTON • VALDOSTA

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

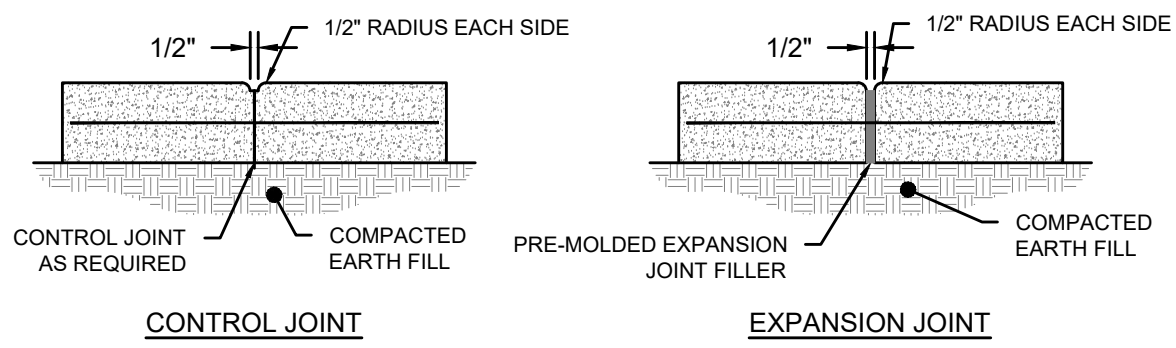
PROJECT NO.:	22-2019
DRAWN BY:	KML
DESIGNED BY:	CPR
SURVEYED BY:	EMC
SURVEY DATE:	04/04/2022
CHECKED BY:	CPR
SCALE:	1" = 30'
DATE:	08/03/2022



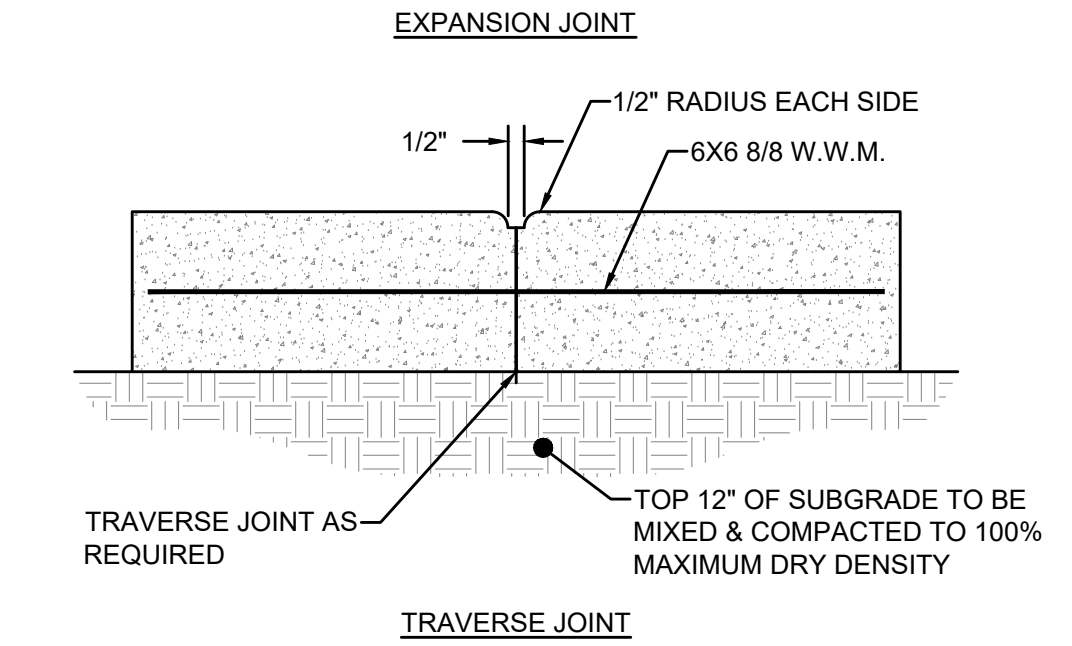
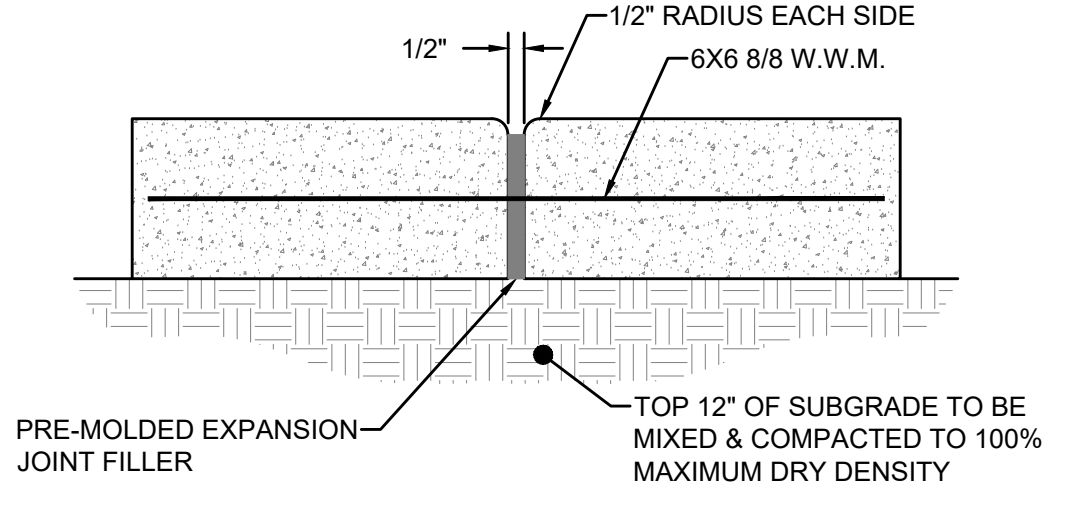
LOAD	THICKNESS (IN)	REINFORCEMENT	BASE
LIGHT DUTY (PARKING AREA)	4" THICK	6"x6" WELDED WIRE	6" SAND/CLAY OR 4" GAB-100% STD. PROCTOR
STANDARD DUTY	4" THICK	6"x6" WELDED WIRE	8" SAND/CLAY OR 6" GAB-100% STD. PROCTOR
HEAVY DUTY	8" THICK	6"x6" WELDED WIRE	8" SAND/CLAY OR 6" GAB-100% STD. PROCTOR

*WELDED WIRE OR FIBER MESH EQUIVALENT

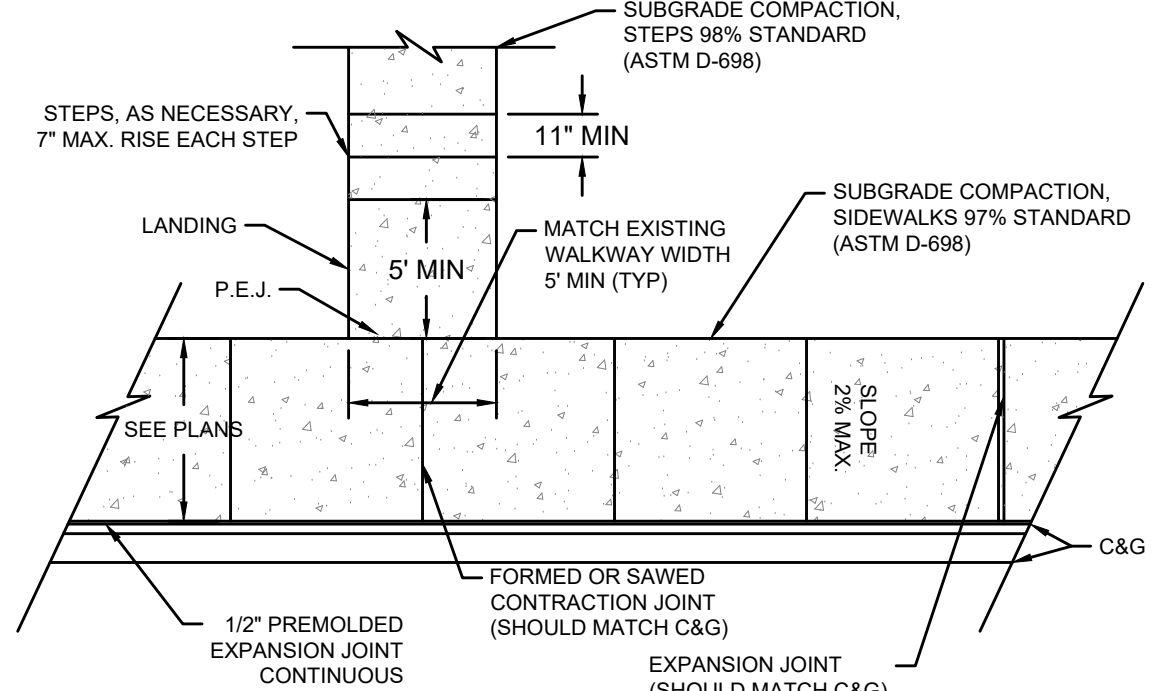
NOTE:
1. EXACT EXP. JOINT AND SAW CUT SPACING SHALL BE PROVIDED BY CONTRACTOR ON A LAYOUT PLAN AND APPROVED BY THE ENGINEER



CONCRETE PAVEMENT SECTION
NOT TO SCALE

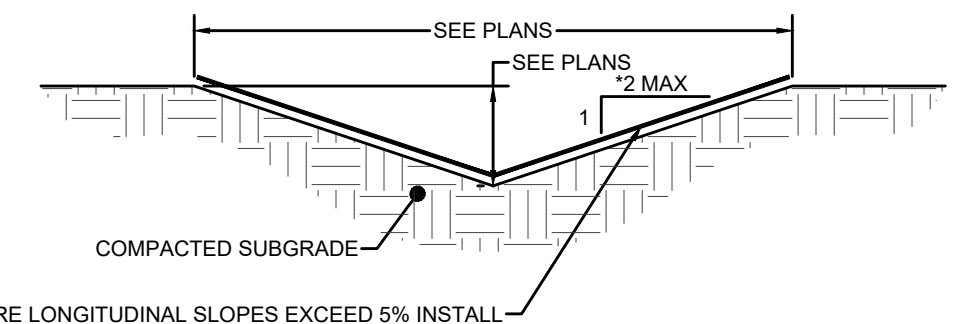


CONCRETE CONSTRUCTION JOINTS
NOT TO SCALE



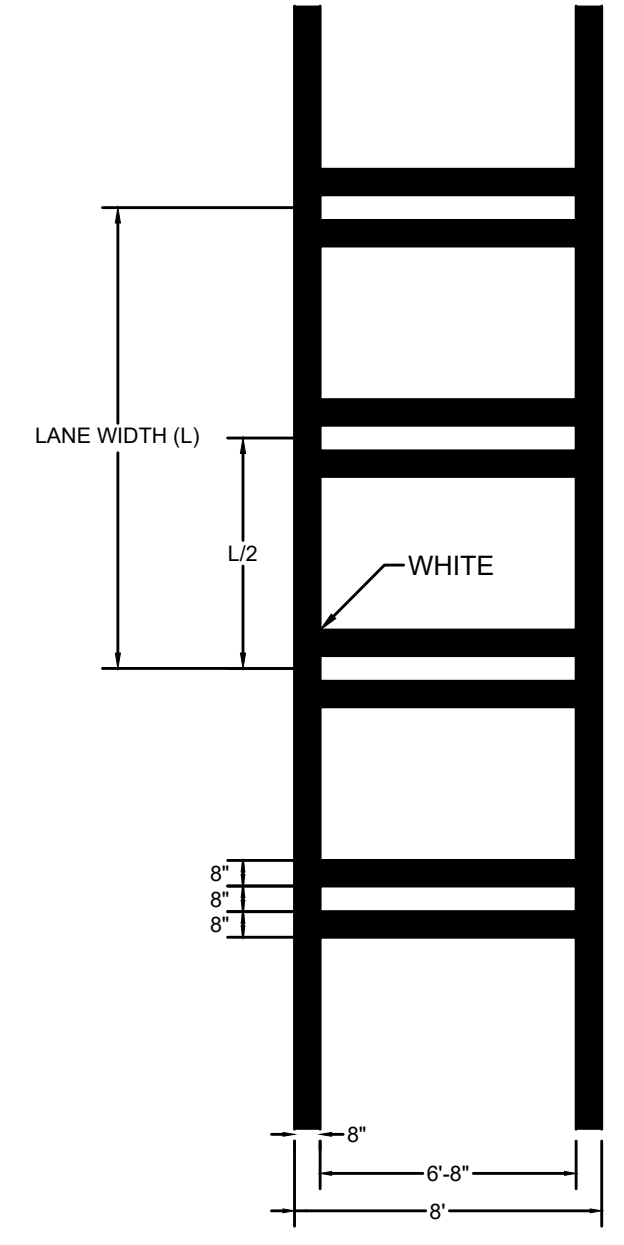
- NOTES:
- ALL SIDEWALKS SHALL BE 4" THICK WITH 3000 PSI CLASS B FIBER REINFORCED CONCRETE.
 - CONTRACTION JOINTS SHALL BE PLACED AT 6'-0" INTERVALS FOR 6 FOOT SIDEWALKS, 4'-0" INTERVALS FOR 8' SIDEWALKS W/ A LONGITUDINAL JOINT IN THE 1/2 OF THE 8 FOOT SIDEWALKS, 5'-0" INTERVALS FOR 10' SIDEWALKS WITH A LONGITUDINAL JOINT IN THE CENTERLINE OF THE 10 FOOT SIDEWALKS.
 - CONTRACTION JOINTS SHALL BE 1" DEEP AND EDGED WITH 1/8" RADIUS.
 - CONSTRUCT 1/4" EXP. JOINT MAXIMUM 50 FT. SPACING BETWEEN JOINTS.
 - INSTALL 1/2" EXP. MATERIAL WHERE CONC. SIDEWALKS ABUT CONCRETE STRUCTURES.
 - A LAYER OF 15# FELT IS REQUIRED BETWEEN WALK AND ADJACENT PARALLELING CONCRETE CURB.
 - POLYPROPYLENE FIBER REINFORCEMENT TO BE ADDED TO ALL CONCRETE SIDEWALKS AND PADS. (SEE SPECS.)
 - ALL SIDEWALKS TO MEET LOCAL & ADA REQUIREMENTS.

CONCRETE SIDEWALK
NO SCALE

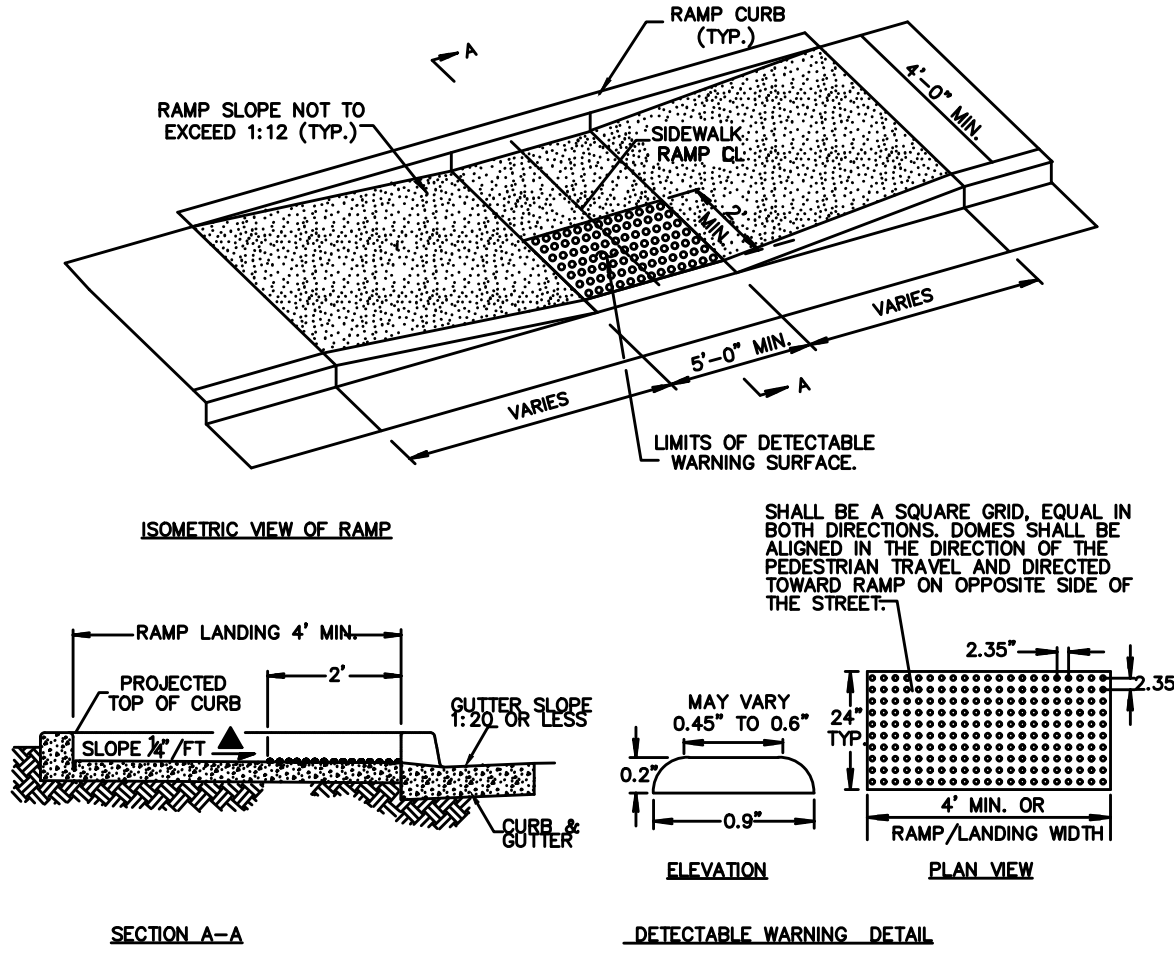
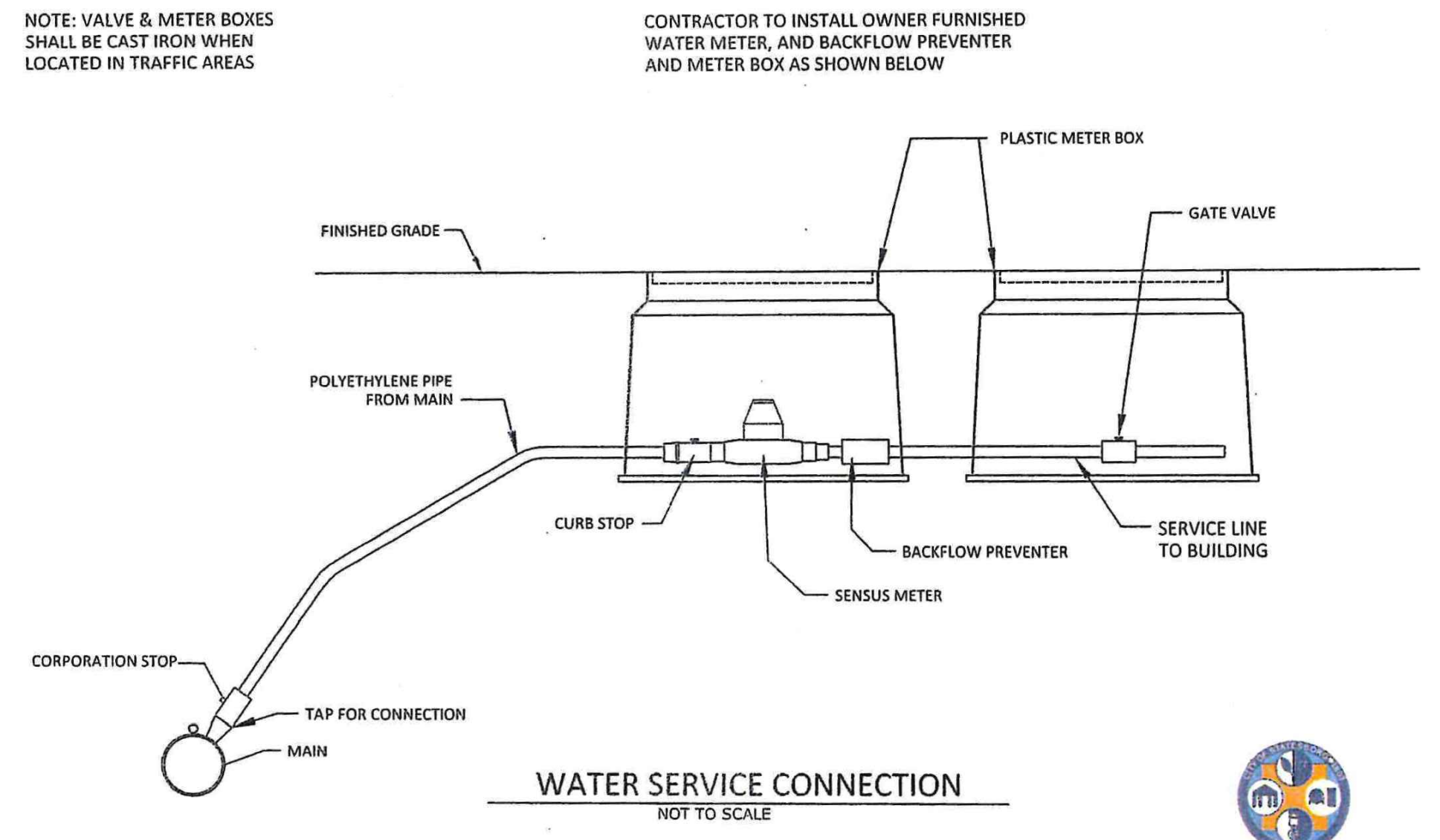


- NOTES:
- WHERE LONGITUDINAL SLOPES EXCEED 5% INSTALL NORTH AMERICAN GREEN SC-150 COCONUT FIBER OR EQUAL U.N.O. INSTALL OVER PREPARED SEEDBED PER MANUFACTURER'S SPECIFICATIONS.
 - GRASSING TO BE INSTALLED PER EROSION CONTROL PLANS.
 - INSTALL EROSION CONTROL BLANKET WHERE LONGITUDINAL SLOPES EXCEED 5%.
 - EROSION CONTROL BLANKET TO BE NORTH AMERICAN GREEN SC-150 COCONUT FIBER OR EQUAL U.N.O. INSTALLED OVER PREPARED SEEDBED PER MANUFACTURER'S SPECIFICATIONS.
 - APPLY STRAW MULCH MIN. 1-1/2" DEPTH OVER ENTIRE AREA.

GRASSED CHANNEL
NO SCALE

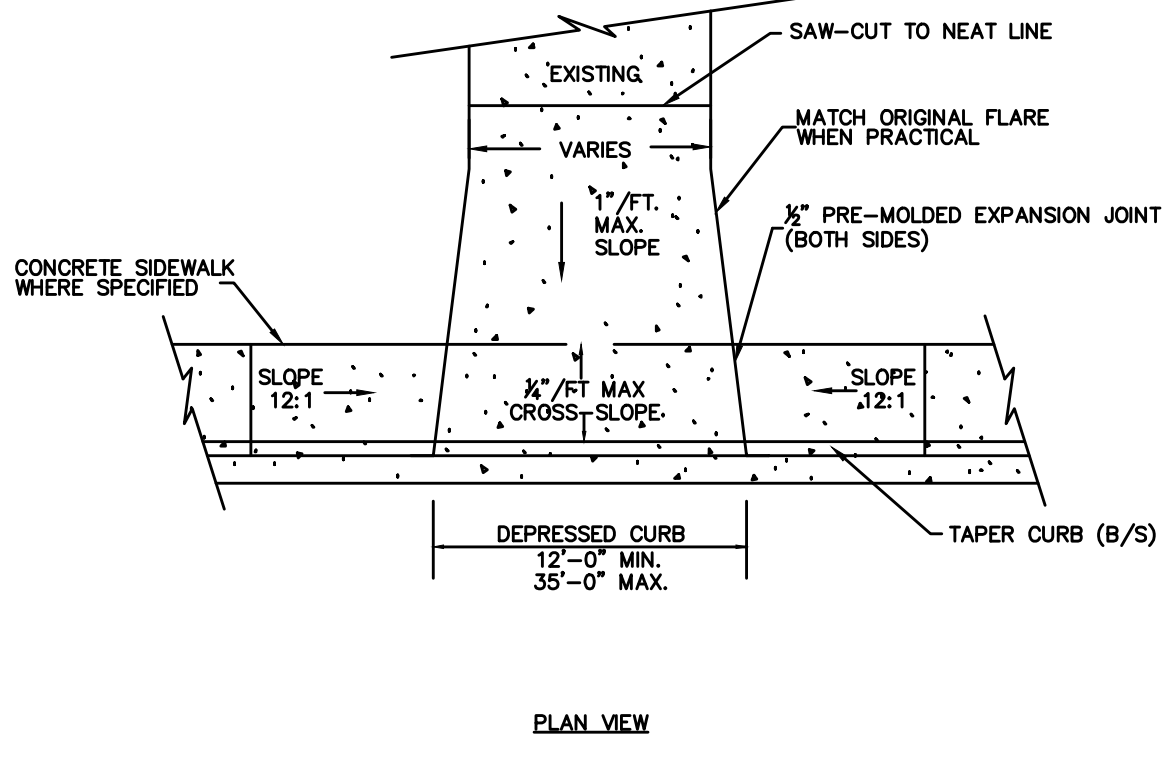


CROSSWALK STRIPING DETAIL
NOT TO SCALE



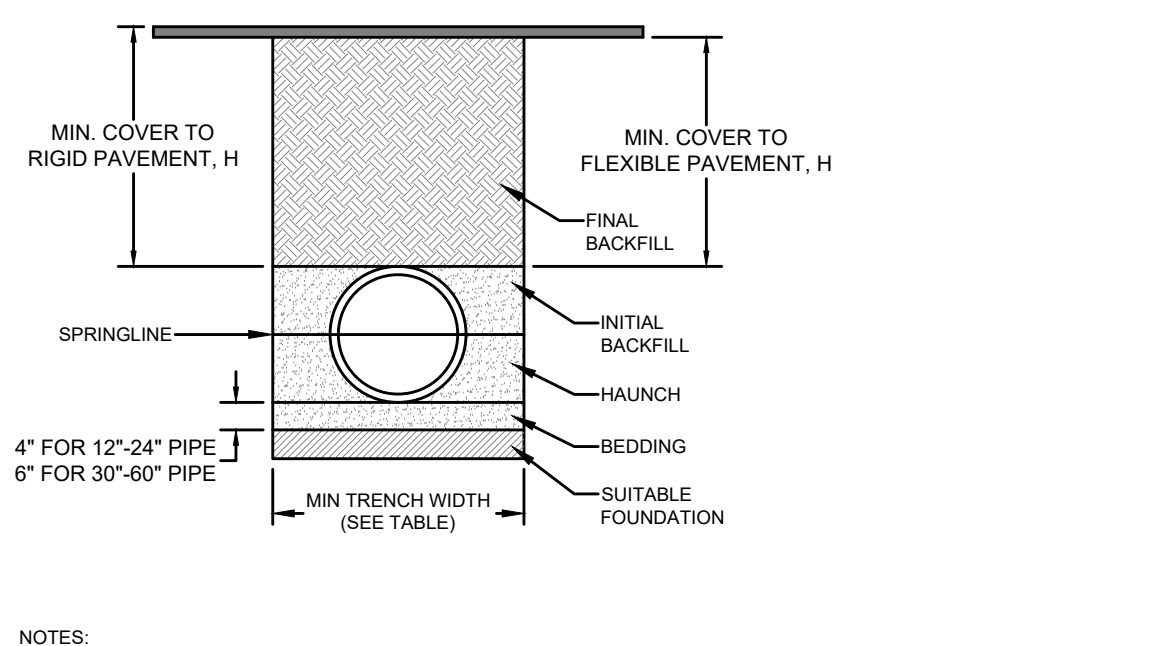
- NOTES:
- HANDICAP RAMP CONSTRUCTION SHALL CONFORM TO ALL FEDERAL, STATE, AND LOCAL CODES AND SPECIFICATIONS.
 - SURFACES SHALL MEET THE GUIDELINES OF THE ADA STANDARDS FOR ACCESSIBILITY, APPENDIX A, PART 36.
 - THE SLOPE OF THE GUTTER MUST NOT EXCEED 1:20 ADJACENT TO THE RAMP.
 - DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 INCHES AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. IF THE SIDEWALK AND RAMP ARE CONSTRUCTED OF CONCRETE, THE WARNING AREA SHALL BE RED BRICK IN COLOR. IF THE SIDEWALK AND RAMP ARE CONSTRUCTED OF RED BRICK, THE WARNING AREA SHALL BE GRAY IN COLOR. THE COLOR USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
 - BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF FOUR INCHES THICK.

HANDICAP RAMP - TYPE B
NOT TO SCALE



- NOTES:
- COMPACT DRIVEWAY BASE MATERIAL IN CITY RIGHT-OF-WAY 100% (ASTM-D698).
 - CONCRETE DRIVEWAY SHOULD BE NO LESS THAN 6" THICK IN CITY RIGHT-OF-WAY AND REINFORCED WITH FIBERMESH WITH A COMPRESSIVE STRENGTH OF NOT LESS THAN 5000 PSI.
 - SLOPE OF DRIVEWAY TO STREET TO BE NO MORE THAN 1" PER FOOT EXCEPT ALONG ACCESSIBLE ROUTE CROSS-SLOPE CAN BE NO MORE THAN 1/4" PER FOOT OR FLAT.

DRIVEWAY CUT
NOT TO SCALE



- NOTES:
- ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 - MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 - FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
 - INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING TO THE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 - MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE. MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR TRAFFIC APPLICATIONS WITH LESS THAN FOUR FEET OF COVER, EMBEDMENT OF THE PIPE SHALL BE USING ONLY A CLASS I OR CLASS II BACKFILL.

HDPE TRENCH INSTALLATION DETAIL

PIPE DIAMETER	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	38"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
60"	96"

PIPE DIA.	SURFACE LIVE LOADING CONDITION		
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD)	48"
12"-48"	12"	48"	60"

**VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER.
**SEE BACKFILL REQUIREMENTS IN NOTE 6.

PIPE DIA.	CLASS		
	CLASS I	CLASS II	CLASS III
4"	37	18	25
6"	44	20	29
8"	32	15	22
10"	38	18	26
12"	35	17	24
15"	38	17	25
18"	36	17	24
24"	28	13	20
30"	28	13	20
36"	26	12	18
42"	23	11	16
48"	25	11	17
60"	25	11	17

FILL HEIGHT TABLE GENERATED USING AASHTO SECTION 12, LRFD PROCEDURE WITH THE FOLLOWING ASSUMPTIONS:
NO HYDROSTATIC PRESSURE
UNIT WEIGHT OF SOIL = 120 PCF

NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22
2	ADDED SHEET 12, RREF DETAIL	12-08-22

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.

PO Box 2086
1211 Merchants Way, Suite 201
Statesboro, GA 30458
Ph: (912) 764-7022
Fax: (912) 733-4580
www.emc-eng.com

CIVIL MARINE ENVIRONMENTAL

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

CONSTRUCTION DETAILS

BRANNEN STREET SIDEWALK

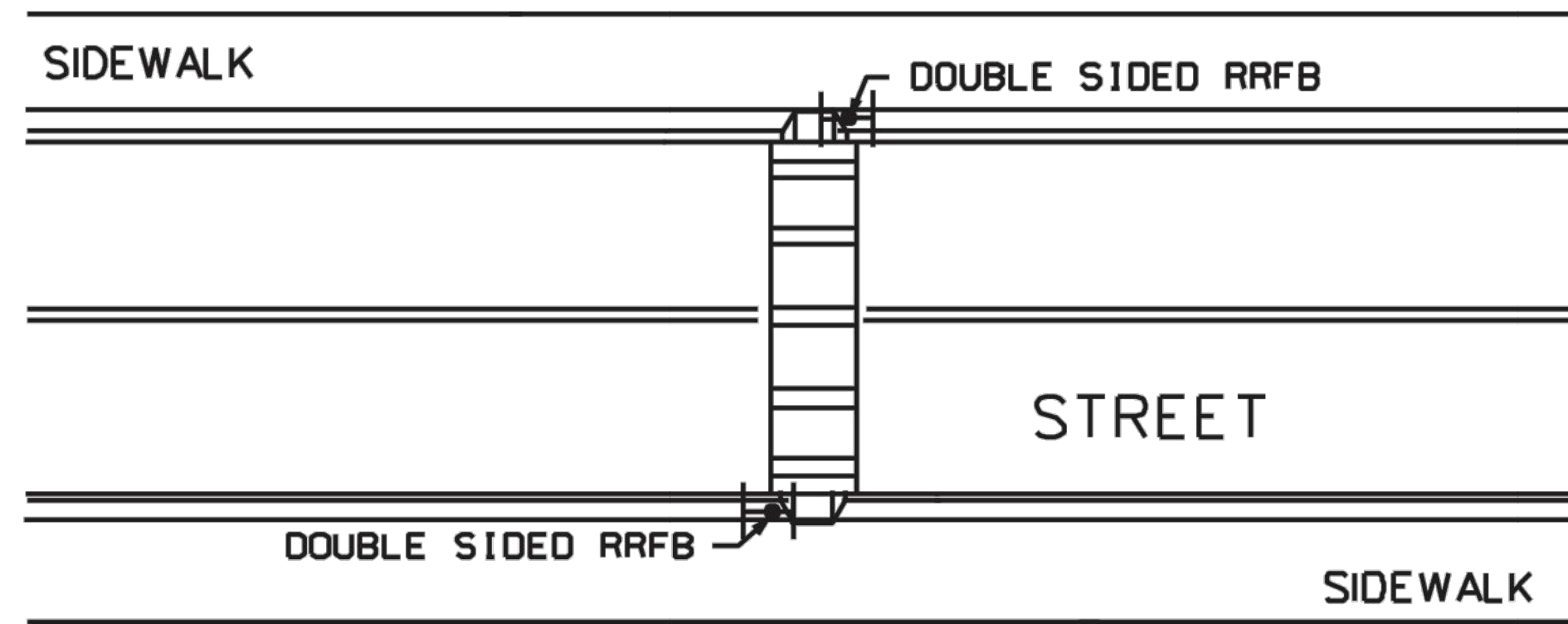
BRANNEN STREET FROM CLAIRBORNE AVE. TO GENTILLY RD.
STATESBORO, BULLOCH COUNTY, GEORGIA

Prepared for:
CITY OF STATESBORO

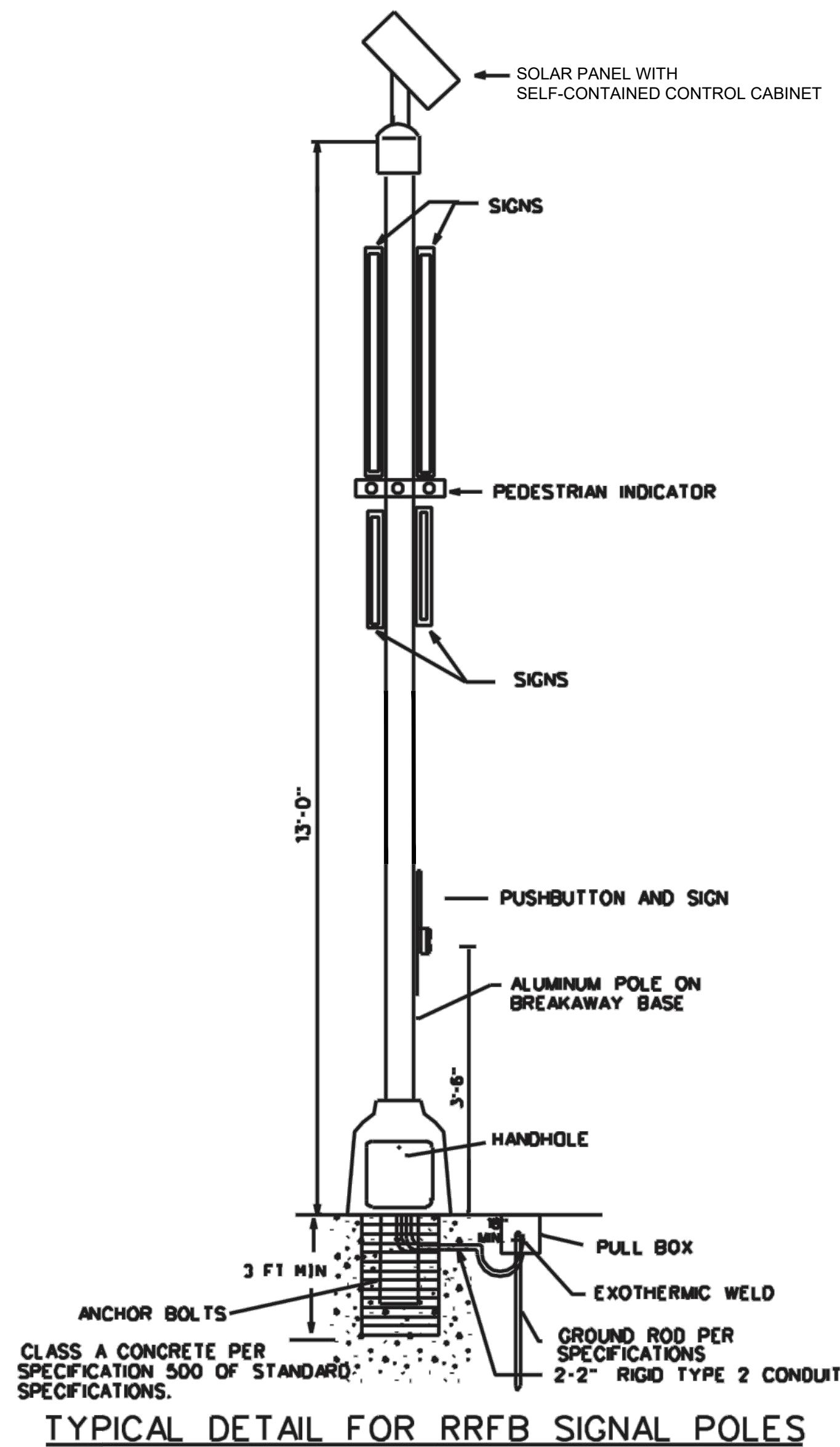
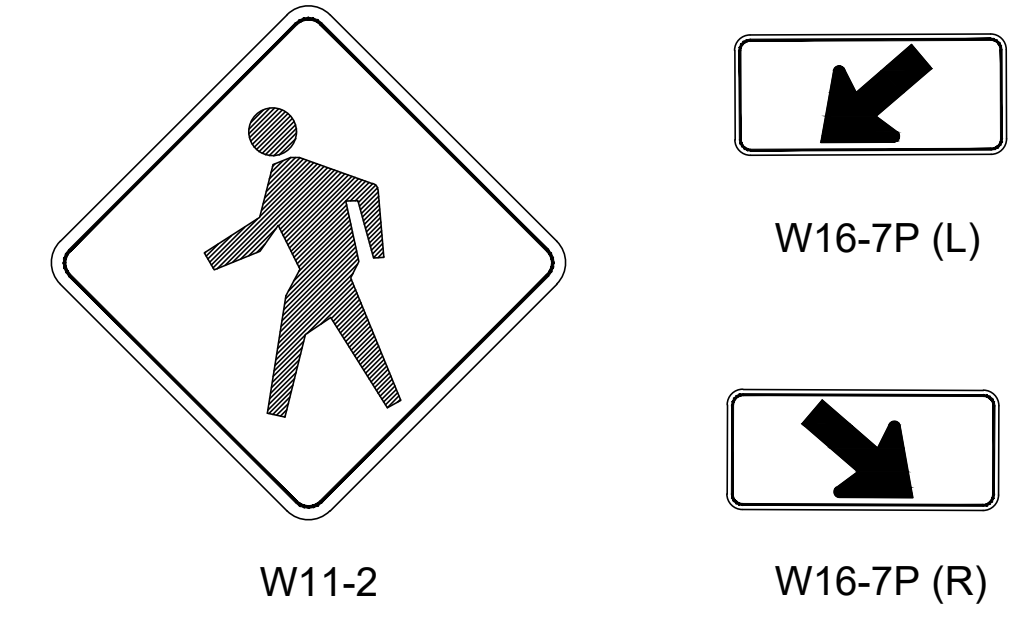
PROJECT NO.: 22-2019
DRAWN BY: KML
DESIGNED BY: CPR
SURVEYED BY: EMC
SURVEY DATE: 04/04/2022
CHECKED BY: CPR
SCALE: NO SCALE
DATE: 08/03/2022

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-1234)\DWG\22-2019C_BDI BRANNEN STREET SIDEWALK.DWG 12/9/2022 9:50 AM

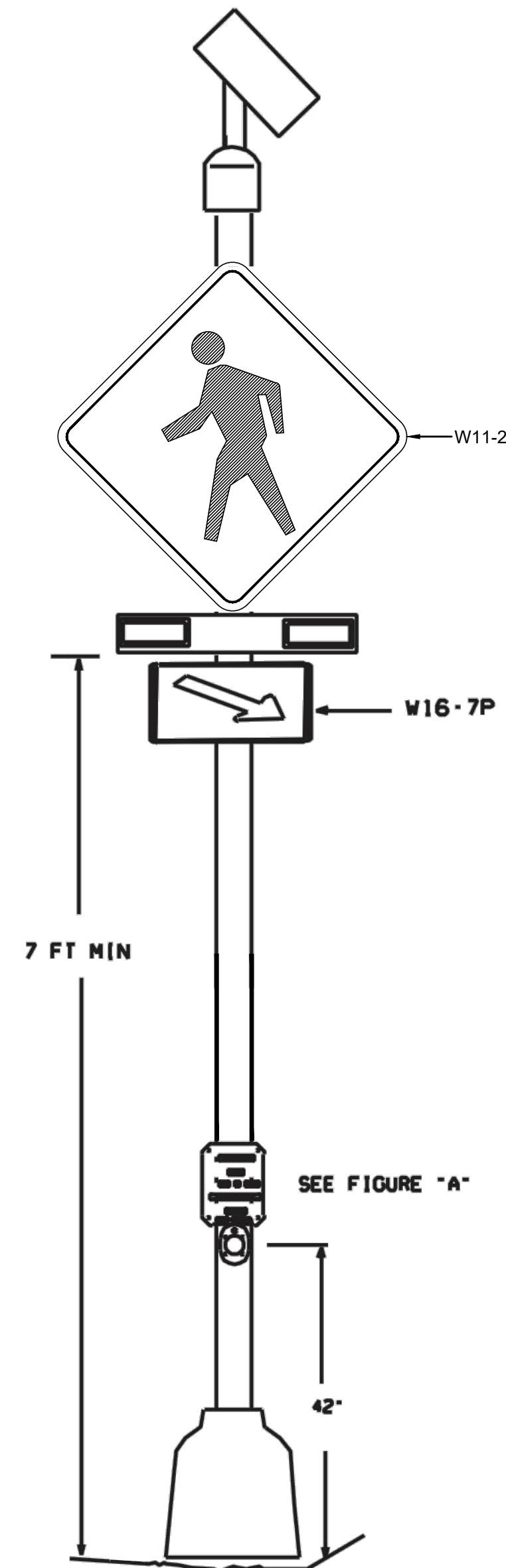
SINGLE LANE DETAIL



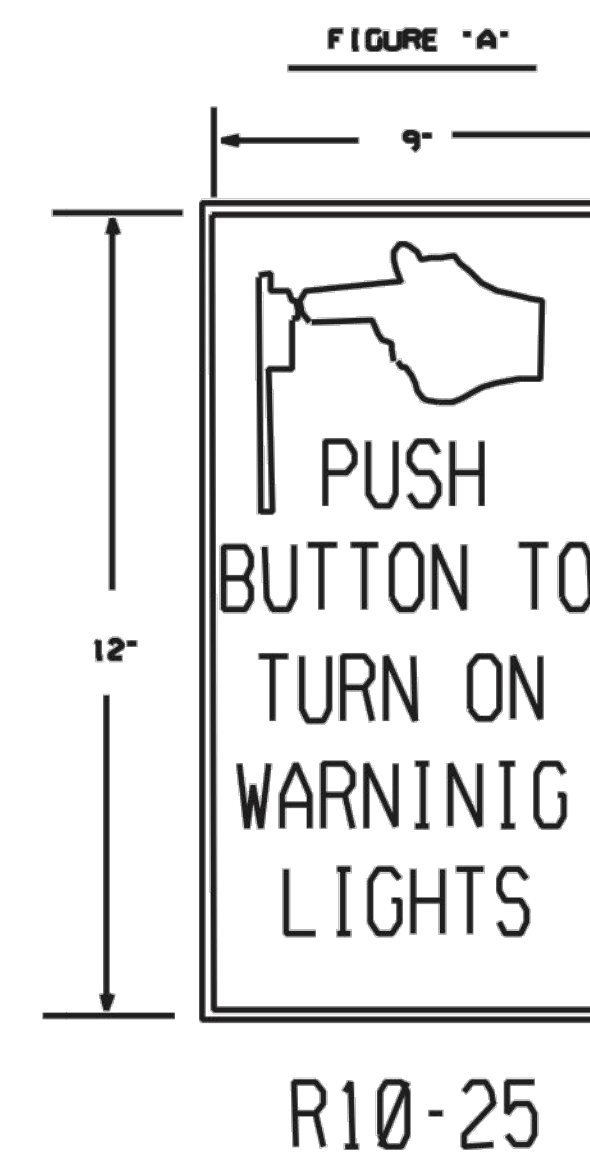
WARNING SIGNS



TYPICAL DETAIL FOR RRFB SIGNAL POLES

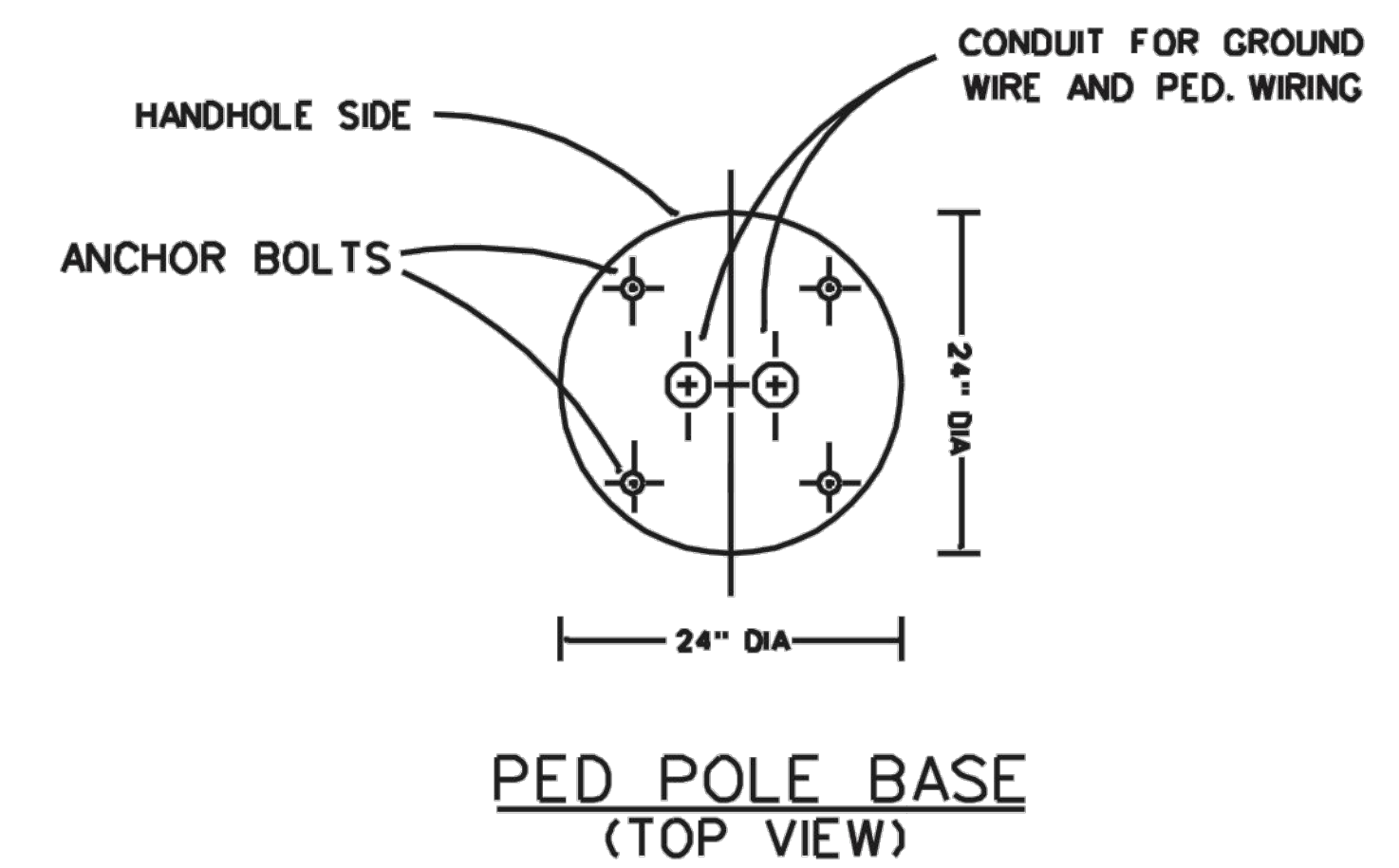


RECTANGULAR RAPID FLASHING BEACON PEDESTAL DETAIL



R10-25

ANCHOR BOLT/CONDUIT ORIENTATION



PEDESTAL BASE (TOP VIEW)

NO.	REVISION DESCRIPTION	DATE
1	REVISED NOTES, ADDED MH DETAIL	11-29-22
2	ADDED SHEET 12, RRFB DETAIL	12-08-22



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

CONSTRUCTION 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:	N/A
DATE:	08/03/2022

G:\22-2019 BRANNEN STREET SIDEWALK (ENG-122P)\DWG\22-2019C_BDI BRANNEN STREET SIDEWALK.DWG 12/9/2022 9:50 AM