

WALNUT STREET PARKING (PHASE 2)

GE
GRAHAM ENGINEERING SERVICES
DESIGN - PLAN - CONSULTING
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ENGINEERING SERVICES, LLC

GEORGIA
REGISTERED
PROFESSIONAL
ENGINEER
JAMES GRAHAM
No. 45423

GSWCC License Professional
Certification No. 82580

N/A DISTRICT
GEORGIA

WALNUT STREET PARKING
(PHASE 2)

REVISIONS
DATE: COMMENT

GEORGIA811
www.Georgia811.com

SHEET
C101

COVER SHEET

PERMITS AND STANDARDS

- ALL NECESSARY FEDERAL, STATE AND LOCAL PERMITS REQUIRED TO PERFORM THE WORK SHOWN AND NOTED HEREON SHALL BE OBTAINED FROM THE ISSUING AUTHORITY, PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
- ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS, STANDARDS & SPECIFICATIONS OF THE CITY MACON, GEORGIA, REGARDLESS OF THE ABSENCE OF "REVIEW/INSPECTION COMMENTS".
- THE CONTRACTOR IS REQUIRED TO NOTIFY THE LOCAL INSPECTOR 24 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- THE PROJECT SITE IS SUBJECT TO ALL RIGHT-OF-WAYS & EASEMENTS SHOWN AND/OR RECORDED, AND MAY BE SUBJECT TO ADDITIONAL RIGHT-OF-WAYS/EASEMENTS NOT SHOWN OR RECORDED HEREON.
- THE CONTRACTOR SHALL PERFORM A SITE INSPECTION PRIOR TO ANY CONSTRUCTION ACTIVITY, TO IDENTIFY ANY DISCREPANCIES BETWEEN THE APPROVED CONSTRUCTION DOCUMENTS AND EXISTING SITE CONDITIONS. IF DISCREPANCIES EXIST, THE CONTRACTOR SHALL NOTIFY IN WRITING TO THE OWNER AND TRAVERSE LAND SERVICES PRIOR TO WORK COMMENCEMENT.
- THE LIMITS OF CONSTRUCTION HAVE BEEN DELINEATED ON THE SITE PLAN. REFER TO SPECIFICATIONS FOR PERIMETER FENCING. THE CONTRACTOR SHALL CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THESE LIMITS. ANY REPAIR OR RECONSTRUCTION OF DAMAGE TO ADJACENT PROPERTIES SHALL BE REPAIRED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS INCURRED FOR SAID REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL USE THE GEOMETRY PROVIDED ON THE CONSTRUCTION DOCUMENTS. ALL DIMENSIONS SHOWN ARE PERPENDICULAR/RADIAL AND ARE MEASURED FACE TO FACE OF CURB & BUILDINGS OR FROM THE EDGE OF PAVEMENT IN THE ABSENCE OF CURBING.
- ALL GRADED AREAS SHALL PROVIDE POSITIVE DRAINAGE IN THE DIRECTION INDICATED ON THE CONSTRUCTION DOCUMENTS SO AS TO PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES WITH NO SHARP BREAKS IN GRADE AND NO STEEP OR REVERSE CROSS SLOPES. MINOR FIELD ADJUSTMENTS TO PROPOSED GRADES MAY BE NECESSARY TO CONSTRUCT THE DESIGN INTENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH THE ABOVE.
- CONTRACTOR SHALL VERIFY INVERTS & SPOT ELEVATIONS OF ALL TIE-INS TO EXISTING INFRASTRUCTURE & PAVEMENT PRIOR TO INSTALLATION.
- ALL PAVEMENT TO BE REMOVED SHALL BE SAW CUT.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE PRIOR TO ORDERING PROJECT MATERIALS, THE MOST CURRENT SET OF "APPROVED" CONSTRUCTION DOCUMENTS FROM SCA INCLUDING, BUT NOT LIMITED TO, "PERMITTED SET(S)" FROM ALL APPLICABLE AGENCIES AS APPROPRIATE. SCA SHALL ACCEPT NO RESPONSIBILITY FOR IMPROPER ORDERING OF MATERIALS.
- DO NOT SCALE FROM THESE DRAWINGS." DIFFERENTIAL STRETCHING" OCCURS DURING THE REPRODUCTION PROCESS.
- AN AS-BUILT SITE SURVEY AND REVISED HYDROLOGY/HYDRAULIC ANALYSIS SHALL BE SUBMITTED TO THE LOCAL CITY OR COUNTY GOVERNMENTAL AGENCY PRIOR TO FINAL APPROVAL AND ISSUANCE OF "CERTIFICATE OF OCCUPANCY" FOR THIS PROJECT.

UTILITIES

- THE CONTRACTOR SHALL NOTIFY THE MACON WATER AUTHORITY INSPECTIONS DEPARTMENT 48 HOURS PRIOR TO BEGINNING CONSTRUCTION - CALL CHIEF INSPECTOR JOEL HERNDON (478) 464-5639.
- ALL WORK PERFORMED IN ASSOCIATION WITH THIS PROJECT MUST CONFORM TO THE STANDARDS AND SPECIFICATIONS OF MACON WATER AUTHORITY (MWA OR THE AUTHORITY).
- A "CERTIFIED BACKFLOW PREVENTION TESTER" SHALL TEST THE BACKFLOW PREVENTERS AT THE TIME OF INSTALLATION AND YEARLY THEREAFTER. A COPY OF THE REPORTS MUST BE SUBMITTED TO THE MACON WATER AUTHORITY, ATTN: ADRIENNE ONIBE, VIA EMAIL BACKFLOW@MACONWATER.ORG OR FAX (478) 738-3864. ALL BACKFLOW PREVENTION DEVICES MUST BE INSTALLED AND TESTED WITHIN SEVEN (7) BUSINESS DAYS AFTER METER INSTALLATIONS AND ESTABLISHED USE OF THE METER ACCOUNTS. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL RESULT IN COMPLIANCE CHARGES (\$100.00 PER DAY) AND/OR TERMINATION OF WATER SERVICE.
- THE REQUIRED MINIMUM VERTICAL SEPARATION IS 18" BETWEEN SANITARY SEWER, WATER AND STORMWATER LINES.
- METALLIC TAPE LOCATOR SHALL BE USED ON ALL SANITARY SEWER LATERALS.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION.
- THE AUTHORITY REQUIRES ALL PUBLIC WATER METER MAINS TO BE INSTALLED WITH DUCTILE IRON PIPE. FOR ANY WATER MAINS AND/OR FIRE SYSTEMS THAT BE CONSIDERED "PRIVATE" SYSTEMS, THE AUTHORITY STRONGLY RECOMMENDS THE INSTALLATION OF DUCTILE IRON PIPE; HOWEVER, IF THE OWNER CHOOSES TO INSTALL PVC, AND A LEAK OR BREAK SHOULD OCCUR AS A RESULT OF USING PVC, THE AUTHORITY WILL NOT MAKE ANY ADJUSTMENTS TO THE WATER USAGE.
- ALL BACKFLOW PREVENTION AND EXTENDING OF WATER SERVICE THROUGH THE PROPERTY WILL BE PERFORMED BY THE OWNERS CONTRACTOR.
- THE CONTRACTOR SHALL PLACE BLACK PLASTIC BAGS OVER TOP OF ALL OUT-OF-SERVICE FIRE HYDRANTS UNTIL THE HYDRANTS ARE IN SERVICE.
- ALL UTILITY WORK MEETING THE DEFINITION OF "UTILITY CONTRACTING" AS DESCRIBED IN THE OFFICIAL CODE OF THE STATE OF GEORGIA, SECTION 43-14-2 SHALL ADHERE TO THE PRESCRIBED SECTIONS REGARDING "UTILITY CONTRACTOR" LICENSING REQUIREMENTS.
- CAUTION! UNDERGROUND UTILITY SERVICE ALERT 1: THE CONTRACTOR SHALL CALL THE TOLL FREE NUMBER-1.800.282.7411, A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY EXCAVATION AS SHOWN AND NOTED ON THE APPROVED PLANS.
- INFRASTRUCTURE AND/OR UTILITIES SHOWN ON THESE PLANS ARE FROM GROUND LOCATION OF IDENTIFIABLE STRUCTURES AND "SURFACE DELINEATIONS" OF UNDERGROUND INFRASTRUCTURE (UPIC) AVAILABLE AT THE TIME OF THE DESIGN SURVEY. ADDITIONAL SURFACE & SUB-SURFACE INFRASTRUCTURE MAY EXIST. RESPONSIBILITY FOR THE COMPLETENESS OF THIS INFORMATION, GRAHAM ENGINEERING SERVICES ACCEPTS NO
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ANY SAID UTILITIES PRIOR TO WORK COMMENCEMENT AND TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY IMMEDIATELY IF ANY EXISTING UTILITY LOCATIONS WILL EFFECT OR IMPEDE THE PROGRESSION OR COMPLETION OF THE DESIGN INTENT AS SHOWN HEREON. GRAHAM ENGINEERING SERVICES
- THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY ENTITY WITH ANY REQUIRED RELOCATION OF EXISTING UTILITIES, PRIOR TO THE START OF ANY CONSTRUCTION.
- THE CONTRACTOR SHALL REMOVE SAID UTILITIES ONLY AFTER APPROVAL FROM ALL INTERESTED PARTIES. THE CONTRACTOR SHALL COORDINATE ABANDONMENT AND/OR RELOCATION WITH THE APPROPRIATE UTILITY COMPANY OR ENTITY. ANY DISPOSAL OF SAID FACILITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL UTILITY AND/OR GOVERNMENTAL REGULATIONS. ANY COSTS INCURRED IN THE REMOVAL/ABANDONMENT OF SAID INFRASTRUCTURE SHALL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.

CLEARING & GRADING

- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN PROTECTING EXISTING TREES/VEGETATION AND COORDINATE ALL TREE REMOVAL WITH THE OWNER PRIOR TO THE START OF ANY CONSTRUCTION.
- THE CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL EXCAVATED FROM THE SITE AND DISPOSED OF PROPERLY OFF-SITE.
- STRUCTURAL FILL MATERIAL REQUIRED TO BRING THE SITE TO GRADE SHALL BE LIMITED TO SOILS CLASSIFIED IN ACCORDANCE WITH ASTM D2457. ON-SITE SOILS FROM CUT AREAS MAY BE SUITABLE FOR FILL MATERIAL.
- THE CONTRACTOR SHALL STOCKPILE AND LATER SPREAD A MINIMUM OF 6 INCHES OF TOPSOIL IN AREAS TO BE LANDSCAPED, SOODED OR SEEDED.
- AT THE END OF EACH DAY, THE CONTRACTOR SHALL HAVE THE SITE GRADED IN SUCH A WAY SO AS NOT TO CAUSE ADVERSE IMPACT FROM RUN-OFF OR SILTATION TO ANY ADJACENT PROPERTIES. SILT BARRIERS SHALL BE MAINTAINED AND REPAIRED IF REQUIRED AT THE END OF EACH WORKING DAY.
- GROUND SURFACE PREPARATION:
 - REMOVE VEGETATION INCLUDING GRASS, ROOTS, AND SURFICIAL ORGANICS, DEBRIS, UNSATISFACTORY SOILS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM THE GROUND SURFACE PRIOR TO THE PLACEMENT OF FILL MATERIAL.
 - FLOW STRIP, BREAKUP SLOPED SURFACES STEEPER THAN 2:1 SO THAT FILL MATERIAL WILL BOND WITH THE EXISTING SOILS. WHEN EXISTING GROUND SURFACE HAS A DENSITY LESS THAN THAT SPECIFIED UNDER COMPACTION FOR PARTICULAR AREA CLASSIFICATION, BREAKUP GROUND SURFACE, PULVERIZE, MOISTURE CONDITION TO OPTIMUM MOISTURE CONTENT, AND COMPACT TO REQUIRED DEPTH AND PERCENTAGE OF MAXIMUM DENSITY.
 - PLACE BACKFILL AND FILL MATERIAL IN LAYERS NOT MORE THAN 6 INCHES IN LOOSE FILL LIFTS COMPACTED BY HEAVY EQUIPMENT AND NOT MORE THAN 3 INCHES IN LOOSE FILL LIFTS COMPACTED BY HAND-OPERATED TAMPERS.
 - BEFORE COMPACTION, MOISTEN AND AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DRY DENSITY OR RELATIVE DRY DENSITY FOR EACH AREA CLASSIFICATION. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAINS FROST OR ICE.
 - UNLESS OTHERWISE INDICATED OR DIRECTED BY GEOTECHNICAL CONSULTANT, COMPACT ALL BUILDING PADS & PAVEMENT SUBGRADE MATERIAL TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698 CURRENT ADDITION). OTHER GRADED AREAS SHALL BE COMPACTED TO 95% STANDARD PROCTOR DRY DENSITY (+/- 2%) UNLESS OTHERWISE SPECIFIED.
 - ALL GRADED AREAS SHALL BE PROOFROLLED WITH A 20 TON DUMP TRUCK. UNDERCUT ALL AREAS THAT PUMP AND REPLACE WITH SUITABLE FILL MATERIAL AS SPECIFIED.
- MOISTURE CONTROL:
 - WHERE SUBSURFACE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR SOIL LAYER. APPLY WATER IN MINIMUM QUANTITIES AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON THE SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS.
 - REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO ALLOW FOR REQUIRED SPECIFIED DENSITY.
 - SPREAD SOIL MATERIAL THAT HAS BEEN REMOVED DUE TO EXCESSIVE MOISTURE CONTENT. ASSIST THE DRYING PROCESS BY DISKING, HARROWING, OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO A SATISFACTORY VALUE.
 - THE CONTRACTOR SHALL NOTIFY SCA 4 OWNER IMMEDIATELY UPON THE DISCOVERY OF ANY GROUNDWATER. SUB-SURFACE SEEPAGE, OR SPRINGS DURING THE COURSE OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO CONSULT WITH A REGISTERED GEOTECHNICAL ENGINEER FOR SITE INSPECTION, AND TO MAKE RECOMMENDATIONS REGARDING THE EVIDENCE AND REMEDIATION OF SUBSURFACE WATERS.
- QUALITY CONTROL TESTING DURING CONSTRUCTION:
 - ALLOW GEOTECHNICAL TESTING SERVICE TO INSPECT AND APPROVE EACH SUBGRADE, BACKFILL OR FILL LAYER BEFORE FURTHER FILL OR CONSTRUCTION WORK IS CONTINUED. TESTING SHALL BE PERFORMED EVERY 10,000 SF OF AREA PER ONE FOOT LIFT OR AS DIRECTED BY A REGISTERED GEOTECHNICAL ENGINEER.
 - GEOTECHNICAL SPECIFICATIONS DESCRIBED HEREIN ARE GUIDELINES ONLY AND SHOULD BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. RECOMMENDATIONS FROM A REGISTERED GEOTECHNICAL ENGINEER SHALL SUPERSEDE THE ABOVE RECOMMENDATIONS.

MACON WATER AUTHORITY STANDARD NOTES

- THE OPERATION AND MAINTENANCE OF THE STORM WATER MANAGEMENT FACILITIES AND ASSOCIATED CONVEYANCE STRUCTURES/PRACTICES (I.E. DETENTION PONDS, PIPES NOT WITHIN PUBLIC RIGHT-OF-WAY, INLETS, OUTLETS, RIPRAP, ETC.) SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. THESE FACILITIES AND STRUCTURES SHALL BE KEPT CLEAR OF TRASH, DEBRIS, OR ANY OBSTRUCTIONS THAT WOULD PREVENT PROPER FUNCTION OF THE DRAINAGE SYSTEM.
- THE OWNER/ENGINEER/DEVELOPER WILL BE RESPONSIBLE FOR VERIFYING ANY ADDITIONAL PERMIT REQUIREMENTS FROM EPD/USACE OR ANY OTHER GOVT. AGENCY.
- ALL WORK IN THE RIGHT-OF-WAY WILL BE SUBJECT TO MACON BIBB COUNTY PERMITTING REQUIREMENTS.
- ALL WORK PERFORMED IN ASSOCIATION WITH THIS PROJECT MUST CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE MACON WATER AUTHORITY (MWA OR THE AUTHORITY).
- THE CONTRACTOR SHALL NOTIFY THE MACON WATER AUTHORITY INSPECTIONS DEPARTMENT 48 HOURS PRIOR TO BEGINNING CONSTRUCTION - CALL CHIEF INSPECTOR JOEL HERNDON (478) 464-5639
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MATERIALS

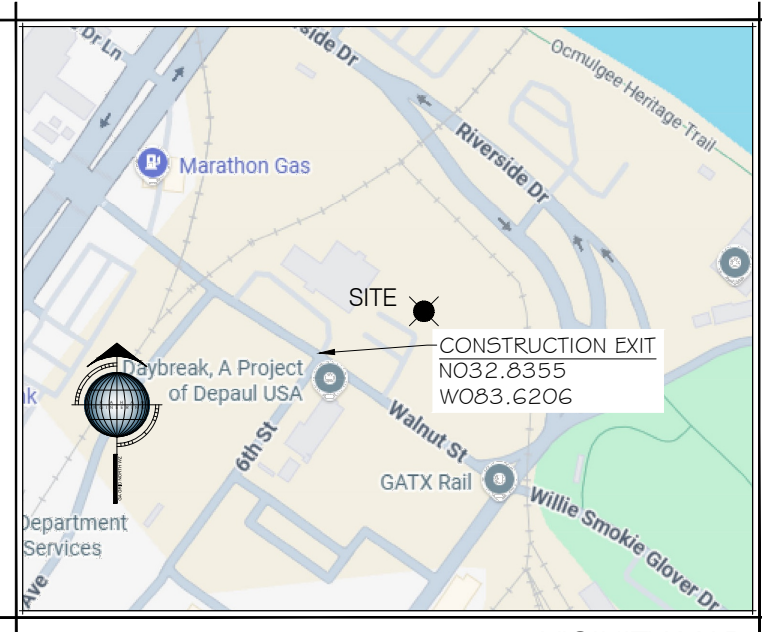
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- WATER, SEWER & STORM PIPE MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS.
 - WATER MAINS:
 - DUCTILE IRON PIPE CLASS 350 (AWWA C 151)
 - PVC C-900
 - SDR-21 WITH UTILITY AUTHORITY APPROVAL
 - SERVICE LINES:
 - SDR-26
 - HDPE SDR 9 (ASTM D3035)
 - IRRIGATION:
 - PURPLE PIPE (ASTM 2737)
 - SANITARY SEWER/DUCTILE IRON PIPE CLASS 350 (AWWA C 151)
 - PVC SDR 26
 - RCF CLASS III (ASTM C76)
 - CORRUGATED HDPE INTEGRALLY FORMED SMOOTH INTERIOR (ASTM M-294 TYPE "S")

MACON WATER AUTHORITY UTILITY NOTES

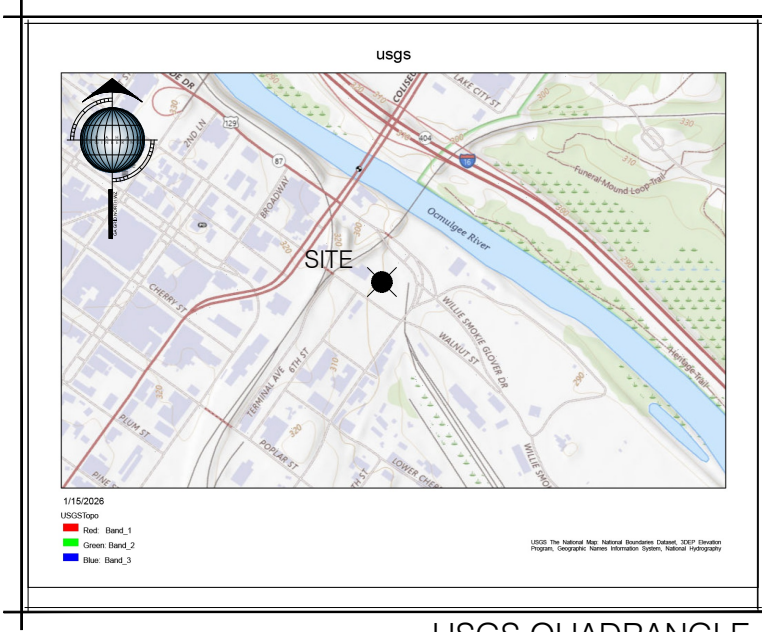
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LEGEND

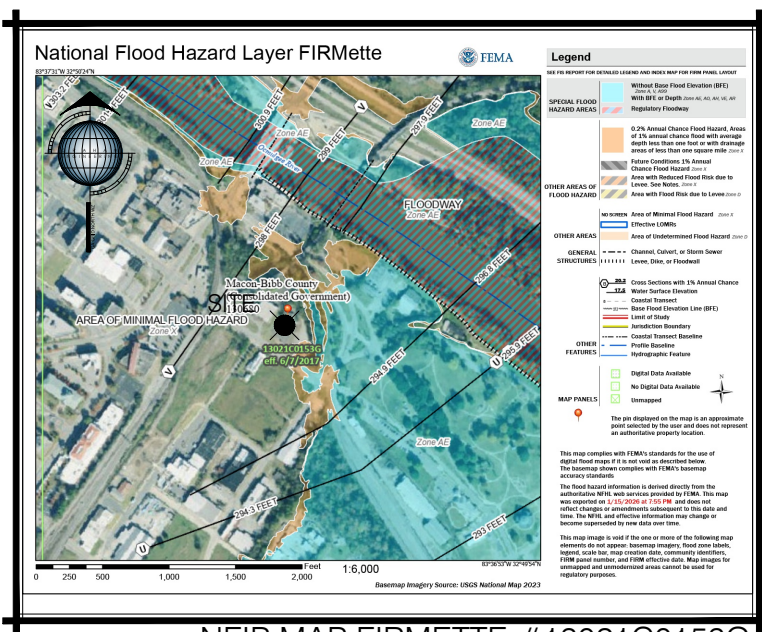
-----●-----	IPS	=	PROPERTY CORNER SET (REBAR)
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-----□-----	CMF	=	CONCRETE MONUMENT FOUND
-----△-----	CMS	=	CONCRETE MONUMENT SET
-----X-----	"X"	=	CHISELED "X"
-----LL-----	LL	=	LAND LOT LINE
-----BSL-----	BSL	=	BUILDING SETBACK LINE
-----SSE-----	SSE	=	SANITARY SEWER EASEMENT
-----UE-----	UE	=	UTILITY EASEMENT
-----DE-----	DE	=	DRAINAGE EASEMENT
-----DUE-----	DUE	=	DRAINAGE & UTILITY EASEMENT
-----LL-----	LL	=	LAND LOT
-----SS-----	SS	=	SANITARY SEWER SERVICE
-----W-----	W	=	WATER SERVICE



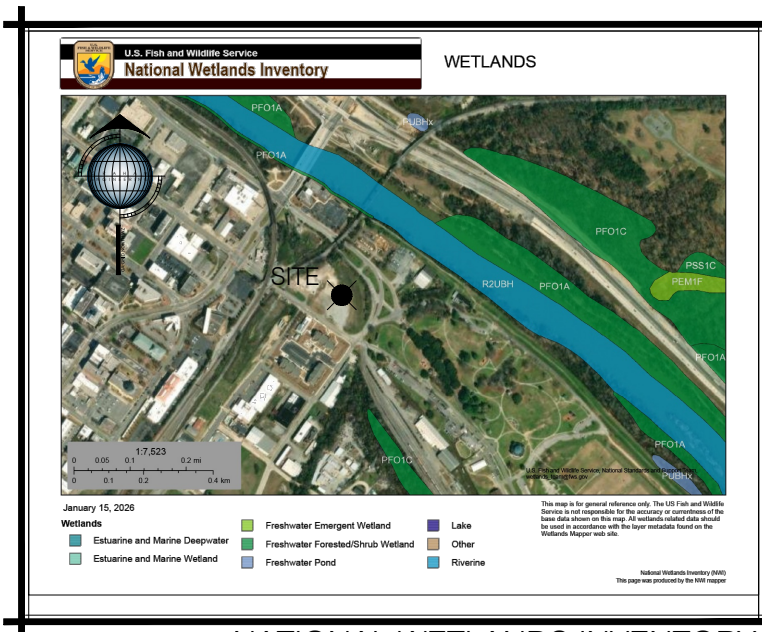
VICINITY MAP



USGS QUADRANGLE



NFIP MAP FIRMETTE #13021C0153G



NATIONAL WETLANDS INVENTORY

SHEET INDEX

C101	COVER SHEET
C102	QUANTITY TABLES AND CHARTS
C201	EXISTING CONDITIONS & DEMOLITION PLAN
C301	SITE LAYOUT
C401	LANDSCAPE PLAN
C501	RAILROAD BRIDGE
C601	ESPC PLAN
C701	SITE DETAILS

CONTACT INFORMATION

OWNER/PRIMARY PERMITEE: MACON BIBB COUNTY
700 POPLAR ST
MACON, GEORGIA 31206

24-HR CONTACT: CLAY MURPHEY
PHONE: 478.447.3263
EMAIL: CLAY.MURPHEY@GCOM.NET

DESIGN PROFESSIONAL: CASEY GRAHAM
GRAHAM ENGINEERING SERVICES
211 WES PARK DR
PERRY, GEORGIA 31069
PHONE: 478-449-5820
EMAIL: CASEY@GRAHAMENGINEERINGSERVICES.COM

PROJECT SCOPE

PHASE 2 OF THE CURRENT PROJECT INCLUDES IMPROVEMENTS TO WALNUT STREET. IMPROVEMENTS INCLUDE: NEW SIDEWALKS, NEW LANE PATTERNS, TWO BIKE LANES, AND CROSSING WALKS. NO INFRASTRUCTURE IMPROVEMENTS ARE PROPOSED. ALL EXISTING STORMWATER INFRASTRUCTURE, SANITARY SEWER INFRASTRUCTURE, AND DRINKING WATER SHALL REMAIN IN PLACE. DRAINAGE PATTERNS ARE THE SAME IN THE PRE AND POST DEVELOPED STATE.

PROJECT UTILITY OVERVIEW TABLE

WATER PLAN:
THERE IS NO PROPOSED WATER IMPROVEMENTS FOR THIS PROJECT.

SANITARY SEWER PLAN:
THERE IS NO PROPOSED SANITARY SEWER IMPROVEMENTS FOR THIS PROJECT

STORM WATER PLAN:
EXISTING DRAINAGE PATTERNS AND STORMWATER INFRASTRUCTURE SHALL REMAIN. THERE IS NO PROPOSED STORMWATER INFRASTRUCTURE IMPROVEMENTS. NO ADDITIONAL IMPERVIOUS AREA HAS BEEN ADDED.

MWA CHIEF INSPECTOR

MR. JOEL HERNDON - 478-464-5639

GENERAL SITE INFORMATION

- LEGAL DESCRIPTION: N/A
N/A
MACON-BIBB COUNTY
GEORGIA
- PARCEL NUMBER: R074-0226
- PHYSICAL ADDRESS: 125; 151; 225 WALNUT ST
- ZONING-USE: EXISTING: N/A
PROPOSED: N/A
- SETBACK LINES: FRONT= N/A
SIDE= N/A
REAR= N/A
- PROJECT AREA: SITE= 1.94 ac
DISTURBED= 0.65 ac
- PORTIONS OF THIS PROPERTY DO LIE IN A SPECIAL FLOOD HAZARD DISTRICT PER NFIP FIRM PANEL No. 13021C0153G DATE 06.07.2017
- "STATE WATERS" DO NOT LIE ON OR WITHIN 200' OF THE PROJECT SITE.

GENERAL SITE INFORMATION

1

LEGAL DESCRIPTION: N/A

N/A
MACON-BIBB COUNTY
GEORGIA

2

PARCEL NUMBER

R074-0226

3

PHYSICAL ADDRESS: 125; 151; 225 WALNUT ST

4

ZONING-USE: EXISTING: N/A
PROPOSED: N/A

5

SETBACK LINES:

FRONT= N/A
SIDE= N/A
REAR= N/A

6

PROJECT AREA:

SITE= 1.94 ac
DISTURBED= 0.65 ac

7

PORTIONS OF THIS PROPERTY DO LIE IN A SPECIAL FLOOD HAZARD DISTRICT
PER NFIP FIRM PANEL No. 13021C0153G DATE 06.07.2017

8

"STATE WATERS" DO NOT LIE ON OR WITHIN 200' OF THE PROJECT SITE.

CONTACT INFORMATION

OWNER/PRIMARY PERMITEE: MACON BIBB COUNTY
700 POPLAR ST
MACON, GEORGIA 31205

24-HR CONTACT: CLAY MURPHEY
PHONE: 478.447.3263
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Existing Utilities Quantity Table							
SERVICE	NAME	TYPE	SIZE	MATERIAL	LINEAR FEET	EXISTING/PROPOSED	OWNER
WATER	-	PUBLIC WATER MAIN	UNKNOWN	UNKNOWN	1,185	EXISTING	PUBLIC
WATER	-	PUBLIC WATER MAIN	UNKNOWN	UNKNOWN	1,236	EXISTING	PUBLIC
WATER	-	WATER VALVES (5)	UNKNOWN	UNKNOWN	-	EXISTING	PUBLIC
WATER	-	FIRE HYDRANT ASSEMBLY (2)	-	-	-	EXISTING	PUBLIC
SANITARY SEWER	SSP-A4	PIPE	8"	CLAY	269	EXISTING	PUBLIC
SANITARY SEWER	SSMH-A3	MANHOLE	-	CONCRETE	-	EXISTING	PUBLIC
SANITARY SEWER	SSP-A3	PIPE	8"	CLAY	464	EXISTING	PUBLIC
SANITARY SEWER	SSMH-A2	MANHOLE	-	CONCRETE	-	EXISTING	PUBLIC
SANITARY SEWER	SSP-A2.1	PIPE	8"	PVC	52	EXISTING	PUBLIC
SANITARY SEWER	SSMH-A2.1	MANHOLE	-	CONCRETE	-	EXISTING	PUBLIC
SANITARY SEWER	SSP-A2	PIPE	8"	CLAY	76	EXISTING	PUBLIC
SANITARY SEWER	SSMH-A1	MANHOLE	-	CONCRETE	-	EXISTING	PUBLIC
SANITARY SEWER	SSP-A1	PIPE	24"	PVC	80	EXISTING	PUBLIC
SANITARY SEWER	SSP-A1.1	PIPE	24"	PVC	28	EXISTING	PUBLIC

STORMWATER Quantity Table							
SERVICE	NAME	TYPE	SIZE	MATERIAL	LINEAR FEET	EXISTING/PROPOSED	OWNER
STORMWATER	STP-A8	PIPE	36"	RCP	98	EXISTING	PRIVATE
STORMWATER	STJB-A8	JUNCTION BOX	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-A8.2	PIPE	15"	RCP	20	EXISTING	PUBLIC
STORMWATER	STCI-A8.2	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-A9	PIPE	36"	RCP	60	EXISTING	PUBLIC
STORMWATER	STCI-A10	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-A10	PIPE	15"	RCP	16	EXISTING	PUBLIC
STORMWATER	STCI-A9	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-A9.1	PIPE	15"	RCP	29	EXISTING	PUBLIC
STORMWATER	STCI-A9.1	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-B1	PIPE	15"	RCP	-	EXISTING	PUBLIC
STORMWATER	STCI-B1	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-B2	PIPE	12"	RCP	130	EXISTING	PUBLIC
STORMWATER	STCI-B2	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C1	PIPE	15"	RCP	40	EXISTING	PUBLIC
STORMWATER	STJB-C1	JUNCTION BOX	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C1.1	PIPE	15"	RCP	16	EXISTING	PUBLIC
STORMWATER	STCI-C1.1	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C2	PIPE	15"	RCP	84	EXISTING	PUBLIC
STORMWATER	STDI-C2	GRATE INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C2.1	PIPE	15"	RCP	35	EXISTING	PUBLIC
STORMWATER	STCI-C2.1	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C3	PIPE	15"	RCP	152	EXISTING	PUBLIC
STORMWATER	STCI-C3	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C4	PIPE	15"	RCP	109	EXISTING	PUBLIC
STORMWATER	STCI-C4	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C5	PIPE	15"	RCP	63	EXISTING	PUBLIC
STORMWATER	STDI-C5	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C6	PIPE	15"	RCP	23	EXISTING	PUBLIC
STORMWATER	STCI-C6	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC
STORMWATER	STP-C4.1	PIPE	15"	RCP	-	EXISTING	PUBLIC
STORMWATER	STP-C4.2	PIPE	15"	RCP	116	EXISTING	PUBLIC
STORMWATER	STCI-C4.2	CURB INLET	-	CONCRETE	-	EXISTING	PUBLIC

G E

GRAHAM ENGINEERING SERVICES

DESIGN - PLAN - CONSULTING

211 WES PARK DR
PERRY, GA 31069
478-449-5820
grahamengineeringservices.com

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GEORGIA

REGISTERED

Professional Engineer

Casey James Graham

SWINCE

GSWCC L2 Design Professional
Certification No. 82580

BID DOCUMENTS For:

WALNUT STREET PARKING
(PHASE 2)

LAND LOT N/A
MACON-BIBB COUNTY

FN: 25026

DN: 25026-M2

DRAWN BY: C.J.G

FIELD DATA BY: TLO

FIELD DATE: .

REVIEW BY: C.J.G

DATE: 08.24.26

SCALE: 1"=30'

REVISIONS

DATE	COMMENT

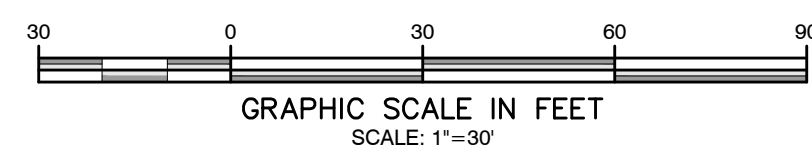
GEORGIA811

www.Georgia811.com

SHEET

C102

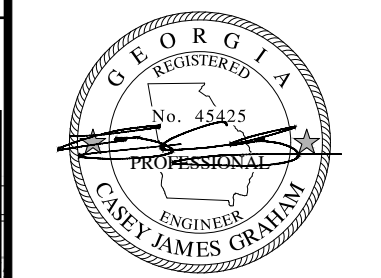
QUANTITY TABLES AND CHARTS





GRAHAM ENGINEERING SERVICES
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211 WES PARK DR
PERRY, GA 31069
478-449-5820
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GSWCC L2 Design Professional
Certification No. 82580

N/A DISTRICT
MACON-BIBB COUNTY
GEORGIA

WALNUT STREET PARKING (PHASE 2)

BID DOCUMENTS For:

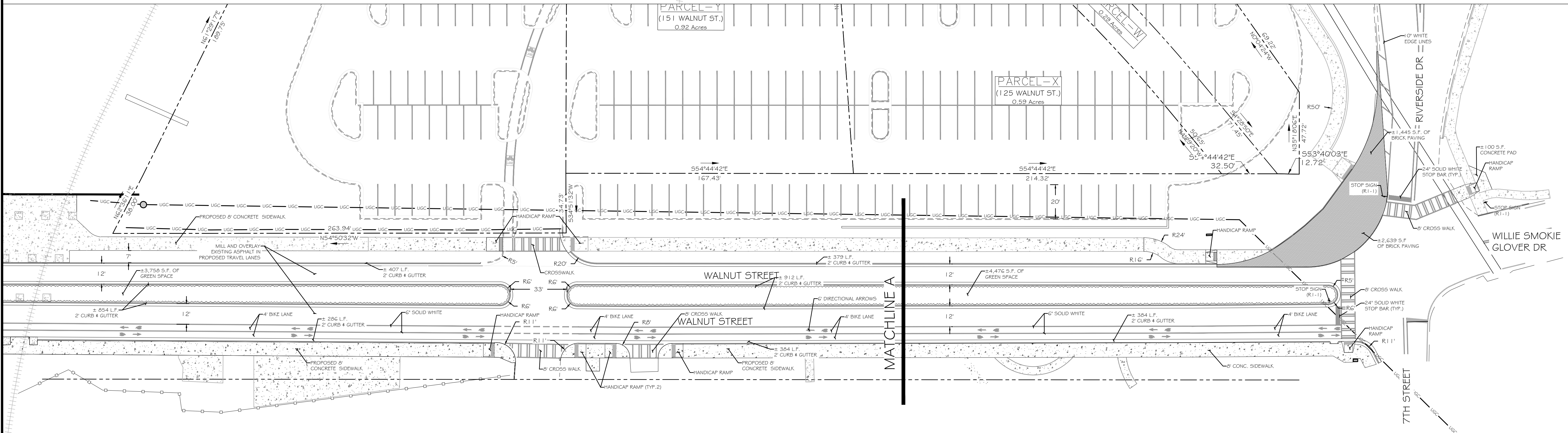
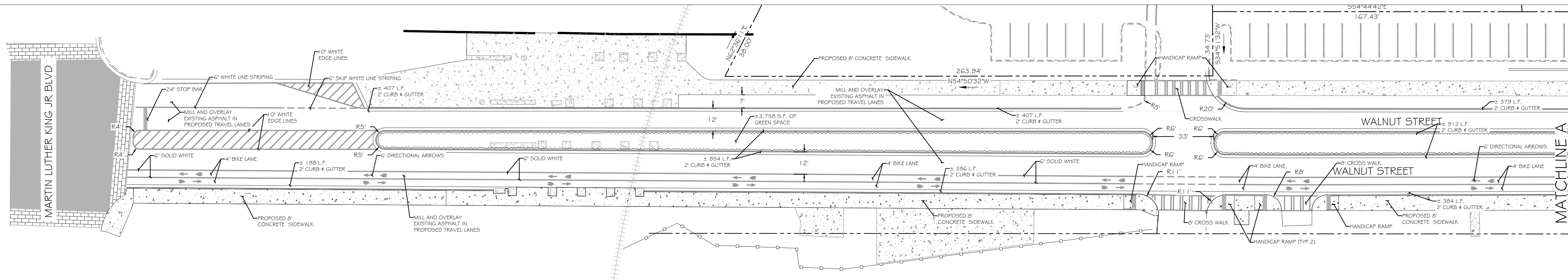
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DN: 25026-M2
DRAWN BY: C/JG
FIELD DATA BY: TLO
REVIEW BY: C/JG
DATE: 08.24.26
SCALE: 1"=30'

REVISIONS
DATE: COMMENT



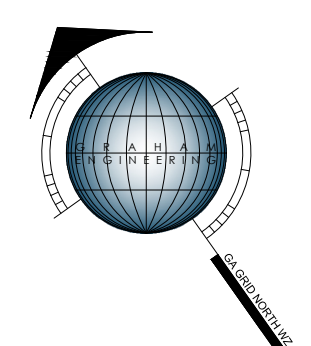
SHEET C301

SILE LAYOUT

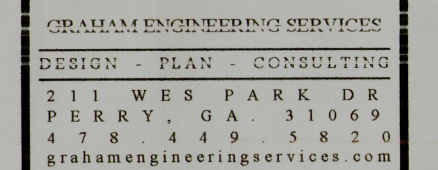
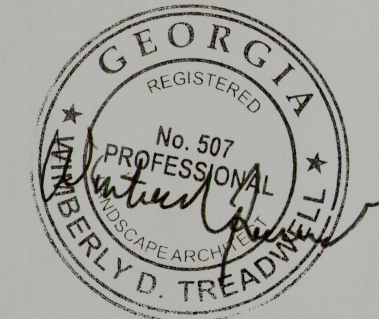


GENERAL SITE INFORMATION		
1	LEGAL DESCRIPTION:	N/A
	N/A	N/A
	MACON-BIBB COUNTY	GEORGIA
2	PARCEL NUMBER:	R074-0226
3	PHYSICAL ADDRESS:	125; 151; 225 WALNUT ST
4	ZONING-USE: EXISTING:	N/A
	PROPOSED:	N/A
5	SETBACK LINES:	FRONT= N/A SIDE= N/A REAR= N/A
6	PROJECT AREA:	SITE= 1.94 ac DISTURBED= 0.65 ac
7	PORTIONS OF THIS PROPERTY DO LIE IN A SPECIAL FLOOD HAZARD DISTRICT PER NFIP FIRM PANEL No. 13021C01536 DATE 06.07.2017	
8	STATE WATERS DO NOT LIE ON OR WITHIN 200' OF THE PROJECT SITE.	

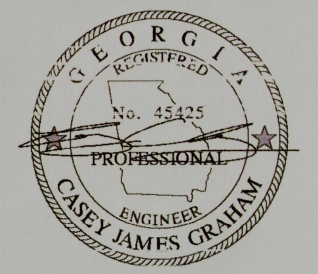
CONTACT INFORMATION	
OWNER/PRIMARY PERMITEE:	MACON BIBB COUNTY 700 POPLAR ST MACON, GEORGIA 31208
24-HR CONTACT:	CLAY MURPHEY PHONE: 478.447.3263 EMAIL: CLAY.MURPHEY@COX.NET
DESIGN PROFESSIONAL:	CASEY GRAHAM GRAHAM ENGINEERING SERVICES 211 WES PARK DR PERRY, GEORGIA 31069 PHONE: 478-449-5820 EMAIL: CASEY@GRAHAMENGINEERINGSERVICES.COM



SIGNING GENERAL NOTES	
1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND DIRECTED TO ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS. THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, AND/OR SPECIAL PREVISIONS.	7. SIGNS ASSEMBLED SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY TYPICAL FINISHING DETAILS.
2. SIGN REACTION STRIPING SHALL BE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.	8. TYPE B EVERY HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS EXCEPT AS SPECIFIED OTHERWISE IN THE PLANS. OTHER CLASSES 1 OR CLASS 2 REFLECTIVE SHEETING IS PROHIBITED.
3. ALL STANDARD HIGHWAY SIGNS SHALL BE DIRECTED AT A HEIGHT OF 9 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR APPROPRIATE IF OTHERWISE INDICATED OR NOTED. THE SIGN SHALL BE DIRECTED AT A HEIGHT OF 7 FEET ABOVE THE SIDEWALK.	9. TYPE 1 EVERY HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL RED ADDRESS SIGNS (R-1, R-1.1, R-1.2, R-1.3, R-1.4, R-1.5, R-1.6).
4. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE REAR EDGE OF THE SIGN. UNLESS OTHERWISE SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALMA SHALL BE 12 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER OR EDGE OF PAVED PROXIMATE WHEN APPLICABLE.	10. TYPE 1 EVERY HIGH INTENSITY REFLECTIVE YELLOW SHEETING SHALL BE USED FOR ALL WARNING SIGNS.
5. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE REAR EDGE OF THE SIGN. UNLESS OTHERWISE SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALMA SHALL BE 12 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER OR EDGE OF PAVED PROXIMATE WHEN APPLICABLE.	11. TYPE 1 EVERY HIGH INTENSITY REFLECTIVE YELLOW SHEETING SHALL BE USED FOR SCHOOL ZONE (S-1, S-1.1, S-1.2, S-1.3, S-1.4, S-1.5, S-1.6, S-1.7, S-1.8, S-1.9, S-1.10, S-1.11, S-1.12, S-1.13, S-1.14, S-1.15, S-1.16, S-1.17, S-1.18, S-1.19, S-1.20, S-1.21, S-1.22, S-1.23, S-1.24, S-1.25, S-1.26, S-1.27, S-1.28, S-1.29, S-1.30, S-1.31, S-1.32, S-1.33, S-1.34, S-1.35, S-1.36, S-1.37, S-1.38, S-1.39, S-1.40, S-1.41, S-1.42, S-1.43, S-1.44, S-1.45, S-1.46, S-1.47, S-1.48, S-1.49, S-1.50, S-1.51, S-1.52, S-1.53, S-1.54, S-1.55, S-1.56, S-1.57, S-1.58, S-1.59, S-1.60, S-1.61, S-1.62, S-1.63, S-1.64, S-1.65, S-1.66, S-1.67, S-1.68, S-1.69, S-1.70, S-1.71, S-1.72, S-1.73, S-1.74, S-1.75, S-1.76, S-1.77, S-1.78, S-1.79, S-1.80, S-1.81, S-1.82, S-1.83, S-1.84, S-1.85, S-1.86, S-1.87, S-1.88, S-1.89, S-1.90, S-1.91, S-1.92, S-1.93, S-1.94, S-1.95, S-1.96, S-1.97, S-1.98, S-1.99, S-2.00, S-2.01, S-2.02, S-2.03, S-2.04, S-2.05, S-2.06, S-2.07, S-2.08, S-2.09, S-2.10, S-2.11, S-2.12, S-2.13, S-2.14, 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GSWCC L2 Design Professional
Certification No. 82580

BID DOCUMENTS For:

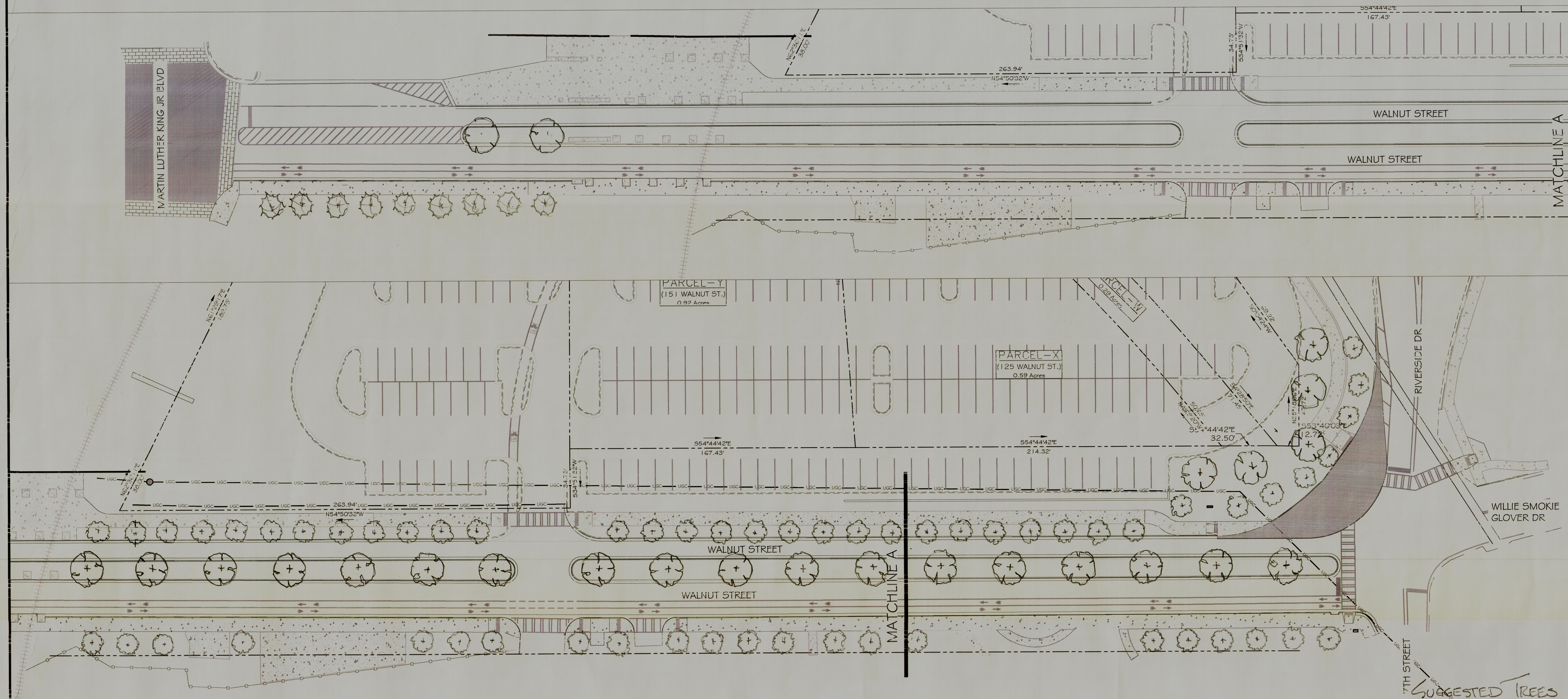
**WALNUT STREET PARKING
(PHASE 2)**

BID DOCUMENTS For:

VACONIA-BIBB COUNTY

GEORGIA

PN:	25026
DN:	25026-M2
DRAWN BY:	CJG
FIELD DATA BY:	TLG
FIELD DATE:	-
REVIEW BY:	CJG
DATE:	08.24.26
SCALE:	1"=30'

[illegible]

1 LEGAL DESCRIPTION: N/A
N/A
MACON-BIBB
COUNTY GEORGIA

2 PARCEL NUMBER: R074-0226

3 PHYSICAL ADDRESS: 125; 151; 225 WALNUT ST

4 ZONING-USE: EXISTING: N/A
PROPOSED: N/A

5 SETBACK LINES: FRONT= N/A
SIDE= N/A
REAR= N/A

6 PROJECT AREA: SITE= 1.94 ac
DISTURBED= 0.65 ac

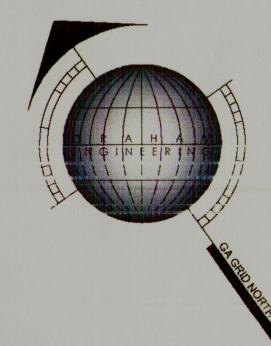
7 PORTIONS OF THIS PROPERTY DO LIE IN A SPECIAL FLOOD HAZARD DISTRICT
PER NFIP FIRM PANEL NO. 1302 I CO 1536 DATE 06.07.2017

8 'STATE WATERS' DO NOT LIE OR WITHIN 200' OF THE PROJECT SITE.

OWNER/PRIMARY PERMITEE: MACON BIBB COUNTY
700 POPLAR ST
MACON, GEORGIA 31208

24-HR CONTACT: CLAY MURPHEY
PHONE: 478.447.3263
EMAIL: CLAY.MURPHEY@GOKR.NET

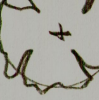
DESIGN PROFESSIONAL: CASEY GRAHAM
GRAHAM ENGINEERING SERVICES
211 WESPAK DR
PERRY, GEORGIA 31069
PHONE: 478-449-5620
EMAIL: CASEY@GRAHAMENGINEERINGSERV



SIGNING GENERAL NOTES

- [illegible]

1. THE CONTRACTOR SHALL MELL AND OVERLAY SURFACES FROM THE INTERSECTION OF BULLY CREEK AND WARDING CREEK EAST, TO 20' UP, TO THE INTERSECTION OF BULLY CREEK AND WARDING CREEK WEST, AND 20' UP, TO THE MILL SHOCK GLOVER DIRT.
2. THE CONTRACTOR SHALL MELL AND OVERLAY APPROXIMATELY 1/20" L.P. SOUTH ALONG 1177 DIRT UNTIL THE FIVE FORMWATER CATCH DRAIN.
3. THE CONTRACTOR SHALL MELL AND OVERLAY APPROXIMATELY 1/20" FOOT ALONG MILL SHOCK GLOVER DIRT, EAST THE TRAIN UNTIL A NATURAL DEAM IS THE EXISTING ASPHALT.
4. THE CONTRACTOR SHALL MELL AND OVERLAY NORTH UP TO THE RAIL AND 20' UP, ALONG RAILROAD DIRT.
5. CONSTRUCTION SHALL BE DONE IN THE EXISTING SURFACES SOUTH OF THE INTERSECTION OF BULLY CREEK AND WARDING CREEK EAST, TO 20' UP, TO THE TRAVEL LANES.
6. CONTRACTOR SHALL BE PROVIDED OVER LINE INTO EXISTING STORM INFRASTRUCTURE ALONG WARDING CREEK.
7. PAVING ASPHALT SHALL BE MILD TO A DEPTH NO LESS THAN 1.5"

 25. HIGHTPOINT NUTTALL
OAK
PLANTED 3^d Col. Md.

FROM THE
TOP OF WALL TO
THE TOP OF THE
STEM

DIMETER 1 1/2 FT.
PITHY CATCH BRANCHES
BARK VERY SMOOTH
WITH A NATURAL SCAR

UP TO THE KILL

FROM THE
TOP OF THE STEM
TO THE TOP OF THE
BRANCHES

NORTH SIDE

ESTD. 1901

58. ALTERNATES
MUSKOGEE GRAPENUT
SINGLE TRUNK . 8' - 10'
EAGLESTON Hollow
SINGLE TRUNK . 8' - 10'
9. MELLIE STEVENS Hollow

GRAPHIC SCALE IN FEET
SCALE 1" = 30'

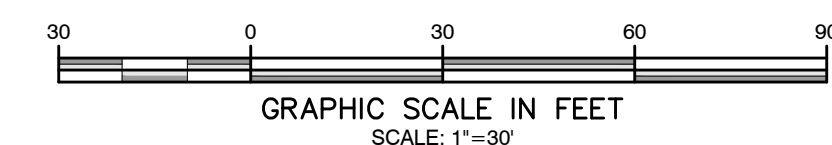
8' - 10'



-
- CLEAN & PAINT
CONCRETE & STEEL
BRIDGE STRUCTURE
ACCORDING TO SPECS

- A. METAL - GRAFFITI COATING
1. SURFACE PREP: ALL METAL SURFACES SHOULD BE CLEAN AND DRY; REMOVE ANY DRYING COATINGS THAT ARE FAILING. HEAVY RUST AREAS SHOULD BE SANDED SMOOTH SO RUST IS THINNER TO PROPERLY ENCAPSULATE IT.
 - (A) VANDLGRUAD ISOFREE ALIPHATIC URETHANE 2K_RAINGUARDPRO DISTRIBUTED BY PITTSBURGH PAINTS.
 - (B) APPLY TWO COATS ACCORDING TO MANUFACTURER'S TECHNICAL DATA PAGE (15-YEAR CORROSION RESISTANCE).
- B. CONCRETE - GRAFFITI COATING
1. SURFACE PREP: ALL CONCRETE / STONE SURFACES SHOULD BE CLEAN AND DRY. REMOVE ANY DRYING COATINGS THAT ARE FAILING. THE USE OF RAINGUARD'S RESTORE-N-PREP™ CONCRETE AND MASONRY CLEANER SYSTEM IS RECOMMENDED AS A PRETREATMENT TO CLEAN MASONRY SURFACES. ONCE CLEAN, ALLOW THE SURFACE TO FULLY DRY BEFORE SEALING OR APPLYING TOP COAT.
 - (A) BARE CONCRETE: PRIMER: RAINGUARDPRO MICRO-SEAL NATURAL TRANSPARENT WATER REPELLENT 202311 TDS DISTRIBUTED BY PITTSBURGH PAINTS. APPLY ONE COAT ACCORDING TO MANUFACTURER'S TECHNICAL DATA PAGE. NOTE: PRIMER NOT REQUIRED OVER PREVIOUSLY PAINTED SUBSTRATES.
 - (B) FINISH (BARE CONCRETE AND PREVIOUSLY PAINTED IN SOUND CONDITION): VANDLGRUAD ISOFREE ALIPHATIC URETHANE 2K DISTRIBUTED BY PITTSBURGH PAINTS.
 - (C) APPLY TWO COATS ACCORDING TO MANUFACTURER'S TECHNICAL DATA PAGE.

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GEORGIA REGISTERED No. 45425 PROFESSIONAL ENGINEER JAMES GRAHAM GSWCO L2 Design Professional Certification No. 82590 N/A DISTRICT GEORGIA	
BID DOCUMENTS For: WALNUT STREET PARKING (PHASE 2) LAND LOT N/A MACON-BIBB COUNTY	
PN:	25026
DN:	25026-M2
DRAWN BY:	CJG
FIELD DATA BY:	TL
FIELD DATE:	—
REVIEW BY:	CJG
DATE:	08.24.26
SCALE:	1"=30'
REVISIONS	COMMENT
DATE:	
SHEET	C501
RAILROAD BRIDGE	

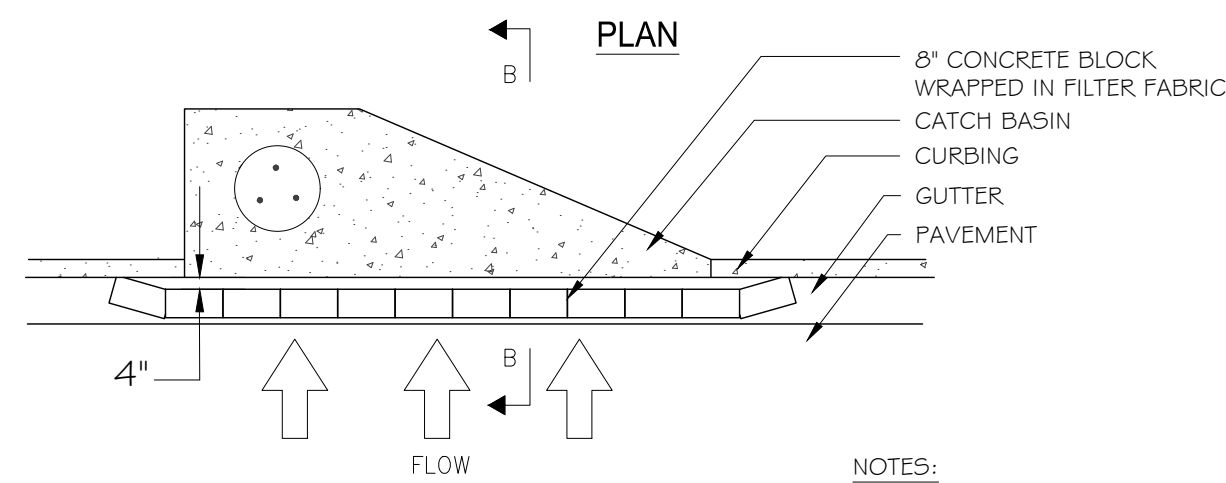


CONTACT INFORMATION

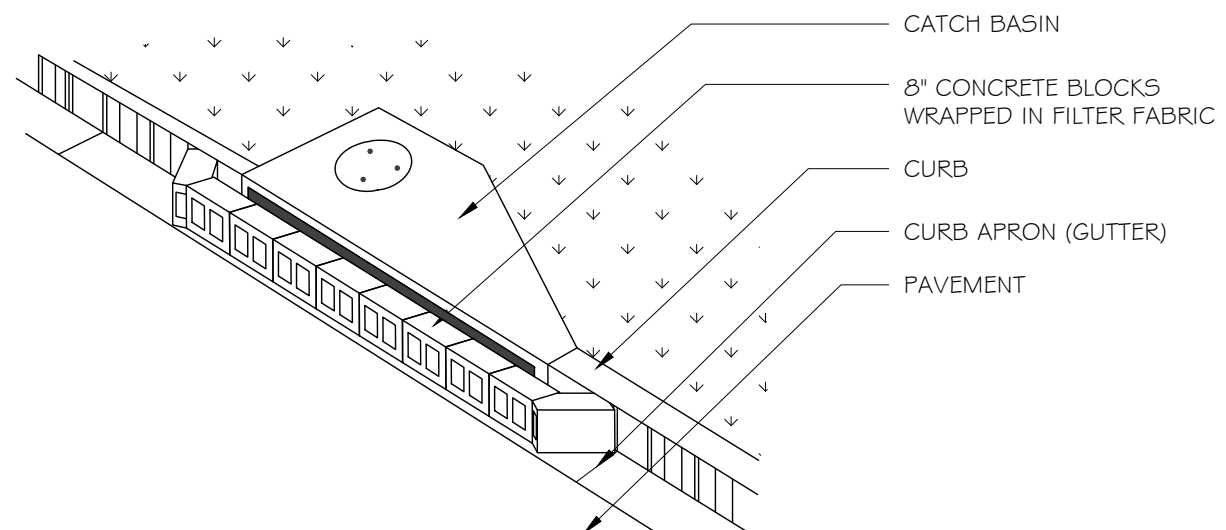
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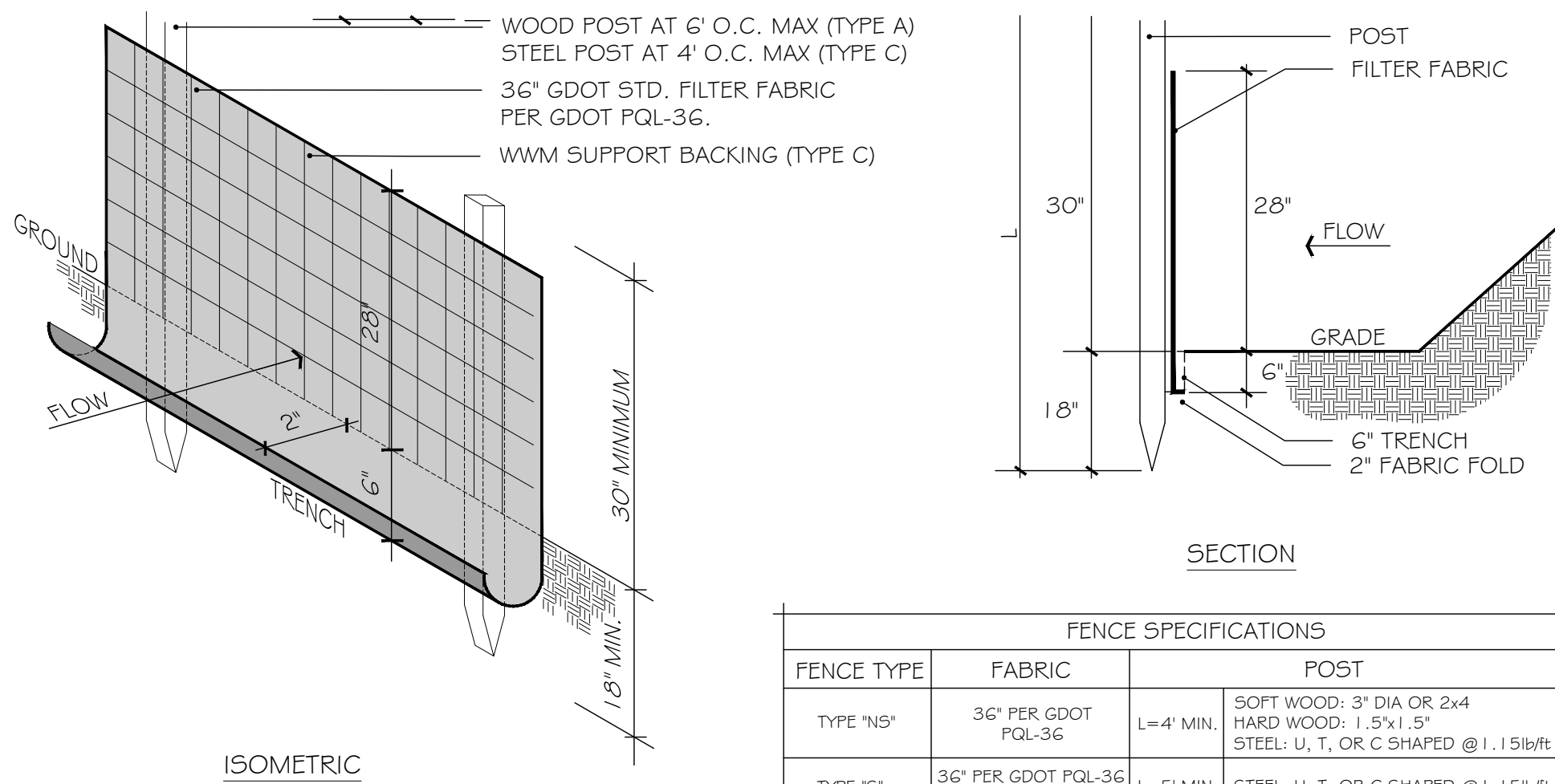
DESIGN PROFESSIONAL: CASEY GRAHAM
GRAHAM ENGINEERING SERVICES
2111 WE5PARK DR
FERRY, GEORGIA 31069
PHONE: 478.449.5820
EMAIL: CASEY@GRAHAMENGINEERINGSERVICES.COM



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



CURB INLET FILTER
"PIGS IN BLANKET"



FENCE SPECIFICATIONS		
FENCE TYPE	FABRIC	POST
TYPE "N/S"	36" PER GDOT PQL-36	L=4' MIN. SOFT WOOD: 3" DIA OR 2x4 HARD WOOD: 1.5"x1.5" STEEL: U, T, OR C SHAPED @ 1.15lb/ft
TYPE "S"	36" PER GDOT PQL-36 WWM SUPPORT	L=5' MIN. STEEL: U, T, OR C SHAPED @ 1.15lb/ft

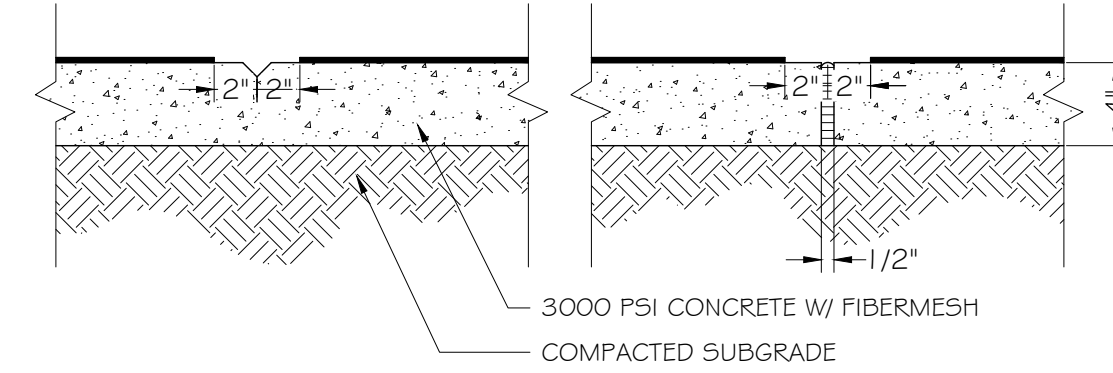
* "C" POST MAY BE SUBSTITUTED FOR TYPE "C" WITH REVIEW AUTHORITY APPROVAL

INSTALLATION:

- A SIX INCH TRENCH IS DUG WHERE FENCE IS TO BE PLACED. POSTS ARE DRIVEN INTO THE GROUND AT A DEPTH THAT ALLOWS THE FIRST MARKER LINE TO REACH THE TOP OF TRENCH. CONTINUE TO DRIVE ALL POSTS TO THE SAME DEPTH, KEEPING FABRIC STRETCHED TIGHT. BACKFILL THE TRENCH WITH REMAINING SOIL.

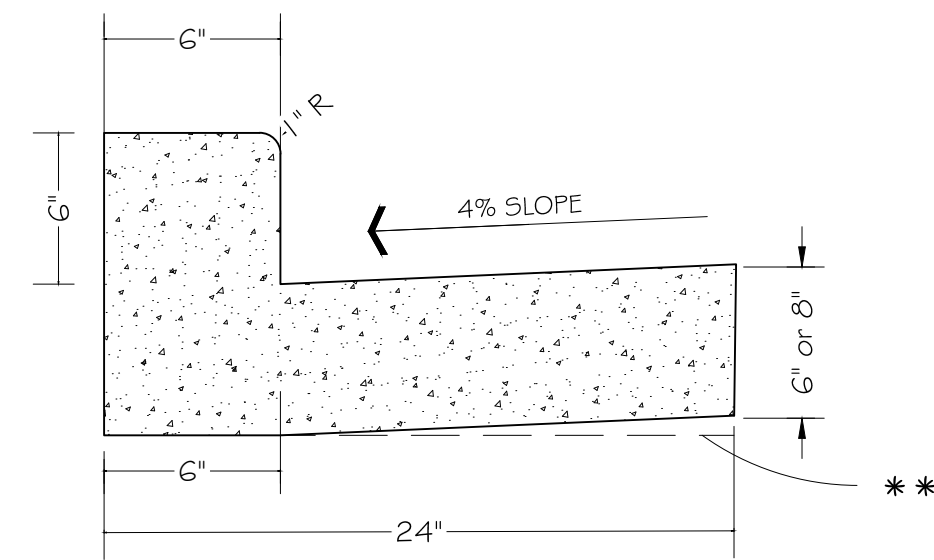
Sd1

SEDIMENT CONTROL FENCE



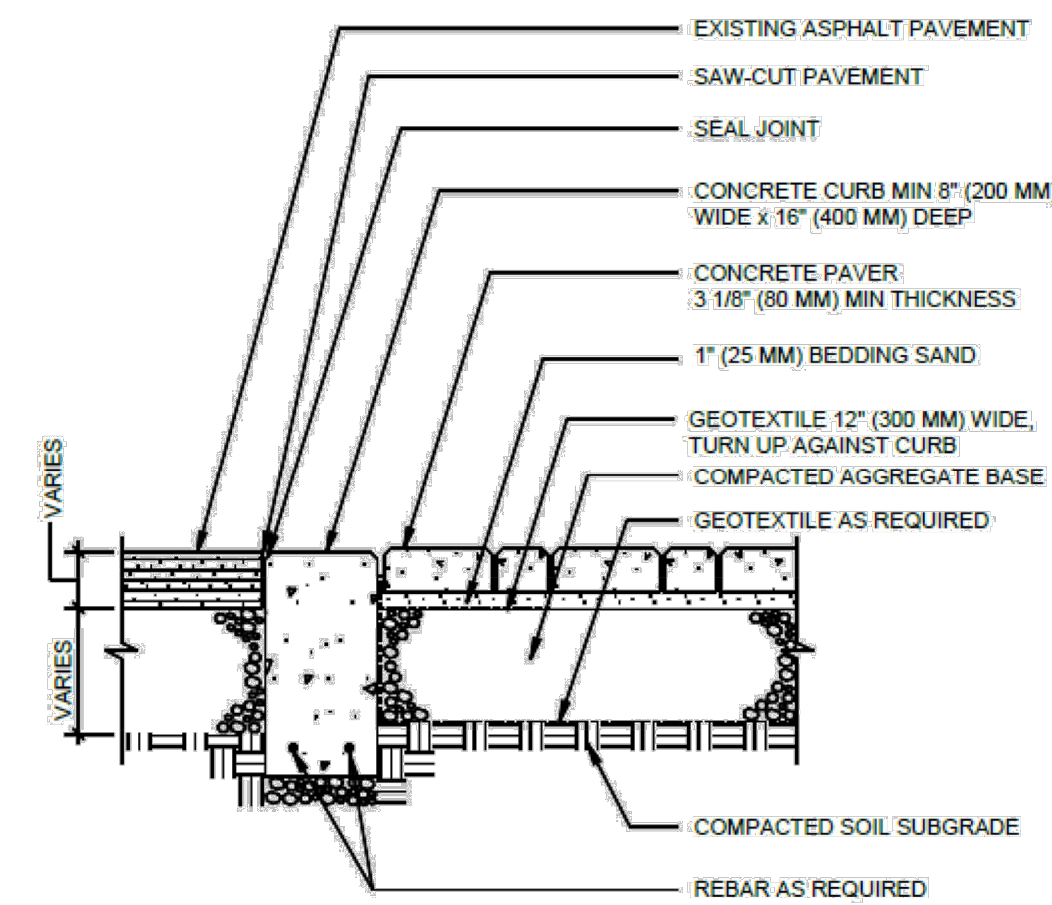
NOTE:
PROVIDE EXPANSION JOINTS WHERE CONCRETE WALK IS ADJACENT TO CURB AND/OR BUILDING SLAB AND AT 40' MAX. INTERVALS

CONCRETE SIDEWALK DETAIL



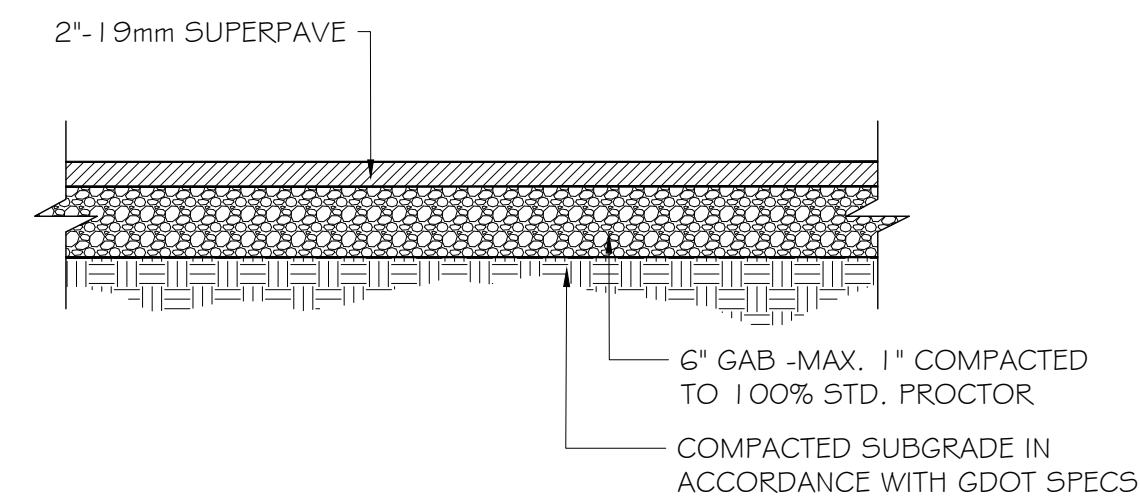
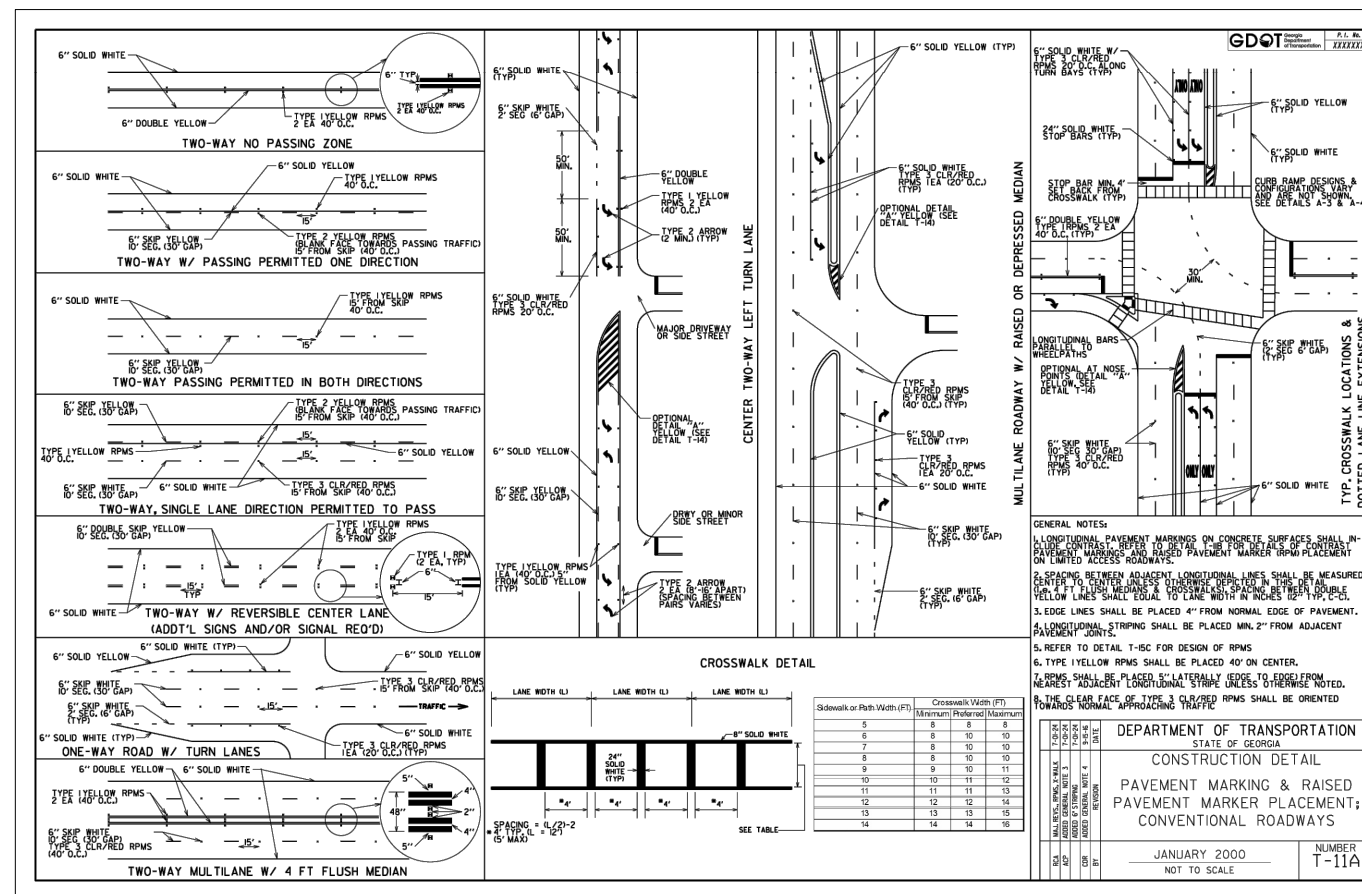
** AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT

CURB & GUTTER DETAIL

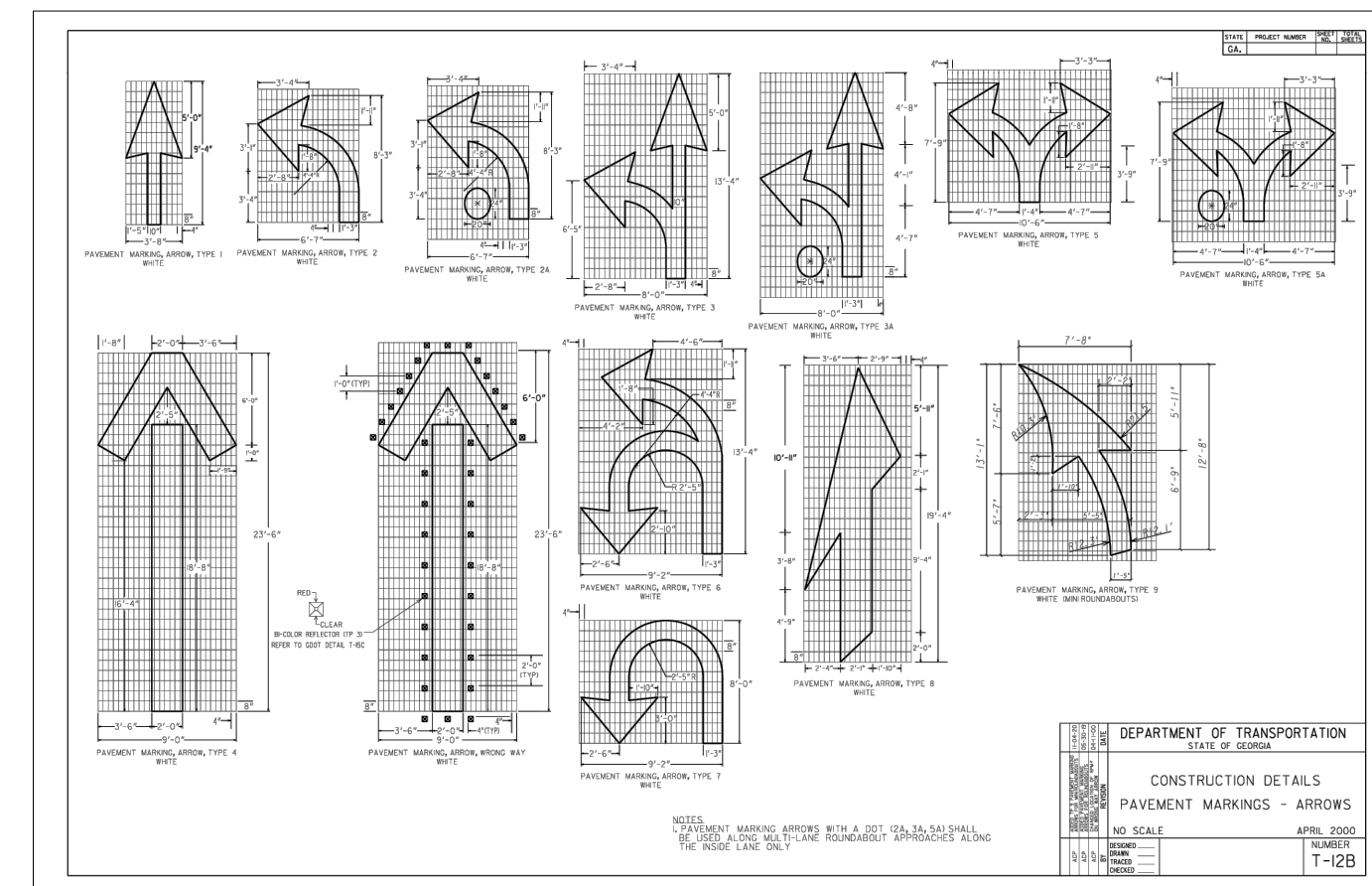
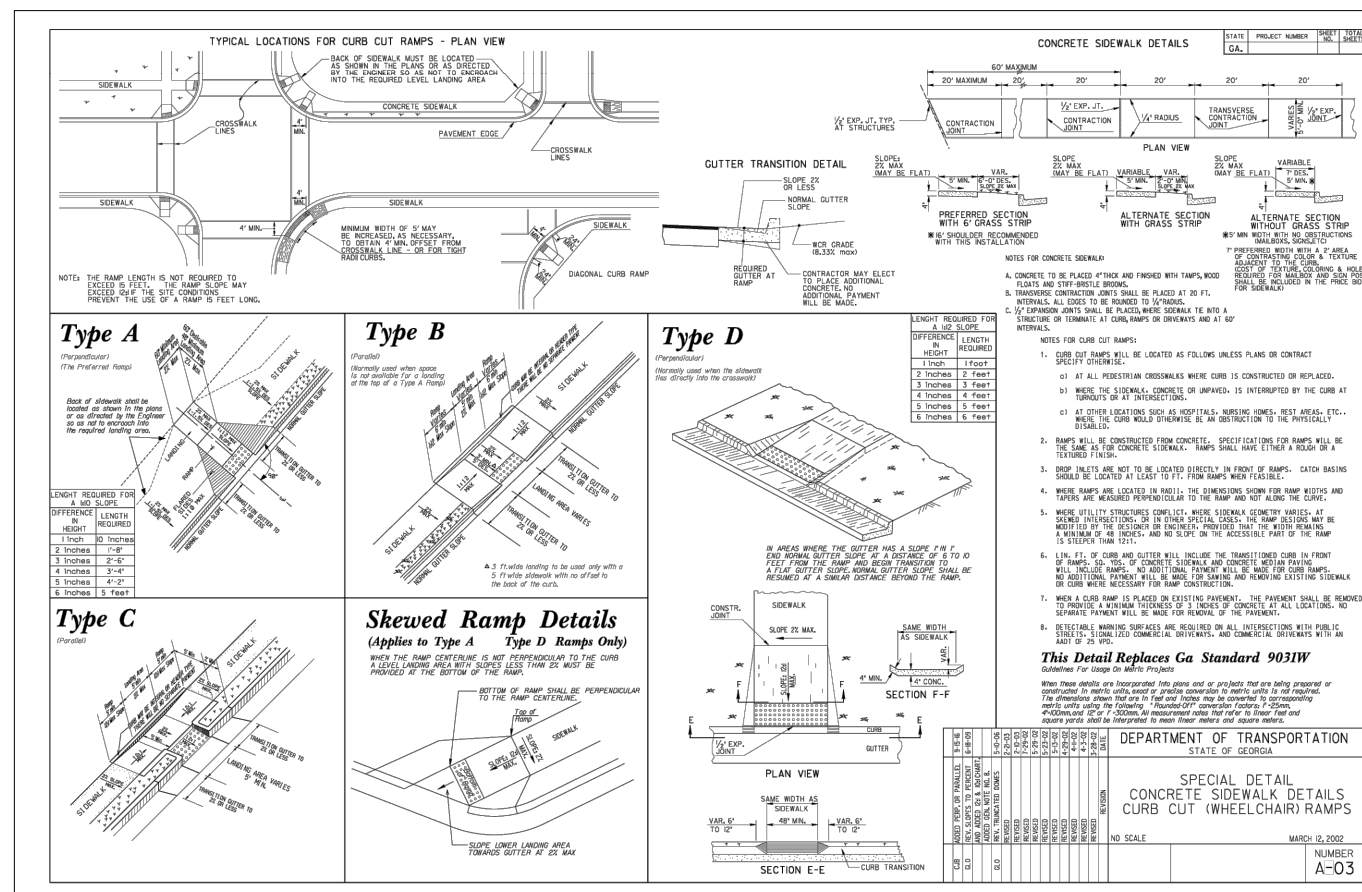


- NOTE:
1. BASE THICKNESS VARIES WITH TRAFFIC, CLIMATE, AND SUBGRADE CONDITIONS.
 2. CONCRETE CURBS DO NOT DEFLECT TO THE SAME DEPTH AS PAVERS OR EXISTING ASPHALT. THIS DETAIL IS NOT RECOMMENDED FOR OTHER THAN LOW VOLUME RESIDENTIAL STREETS.
 3. THICKENING ASPHALT PAVEMENT ADJACENT TO CONCRETE CURB IS RECOMMENDED.

BRICK PAVING DETAIL



TYPICALL PAVEMENT REPLACEMENT



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