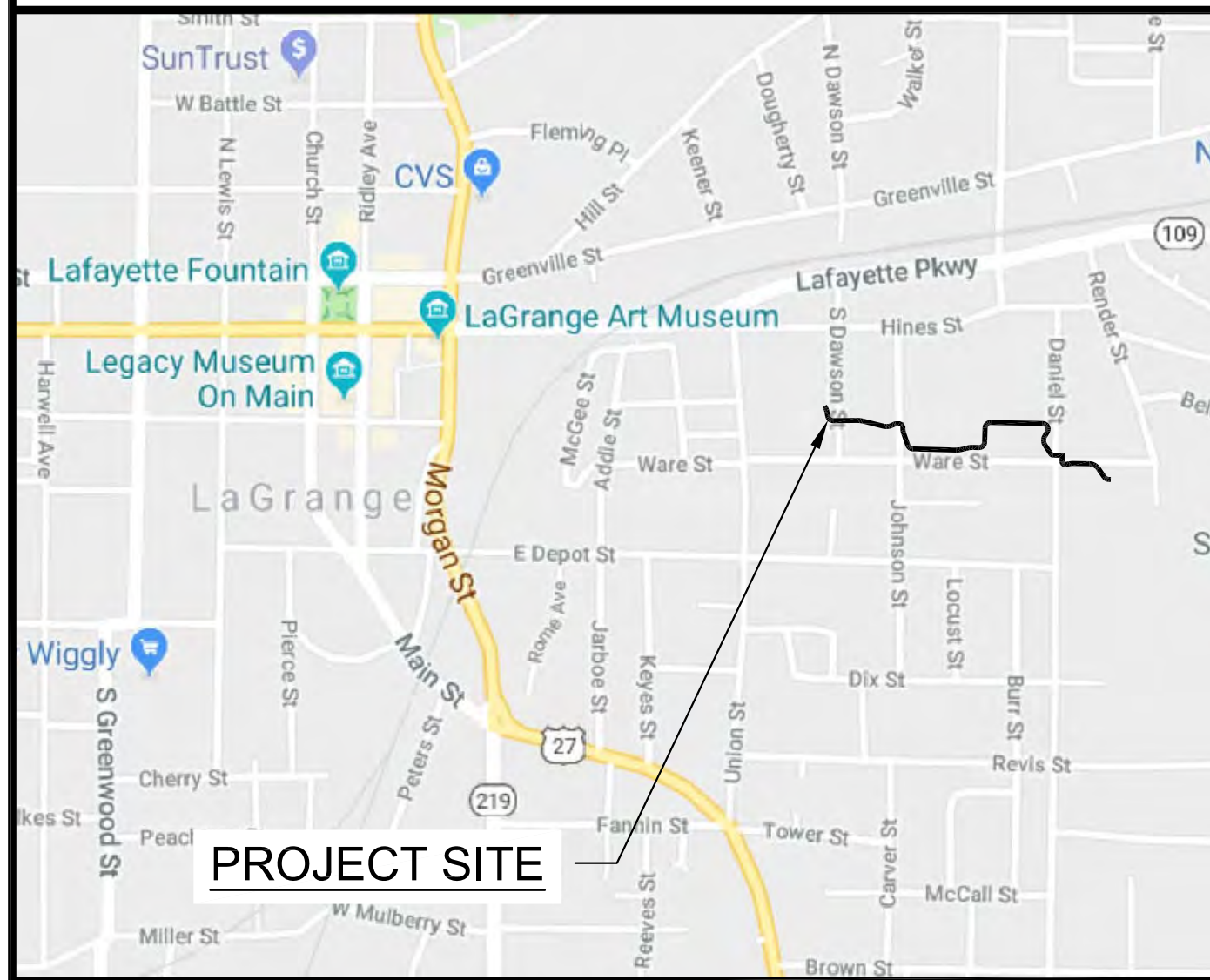


# LAGRANGE THREAD PHASE 5 - CALUMET TO DANIEL ST.

CITY OF LAGRANGE, GEORGIA



VICINITY MAP  
N.T.S.

LAND LOTS: 117, 118 - 6TH DISTRICT

ALL WORK TO BE DONE IN ACCORDANCE WITH:  
 - 2013 STANDARD SPECIFICATIONS AND 2016 SUPPLEMENTAL SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF TRANSPORTATION  
 - 2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN  
 - ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY STANDARDS

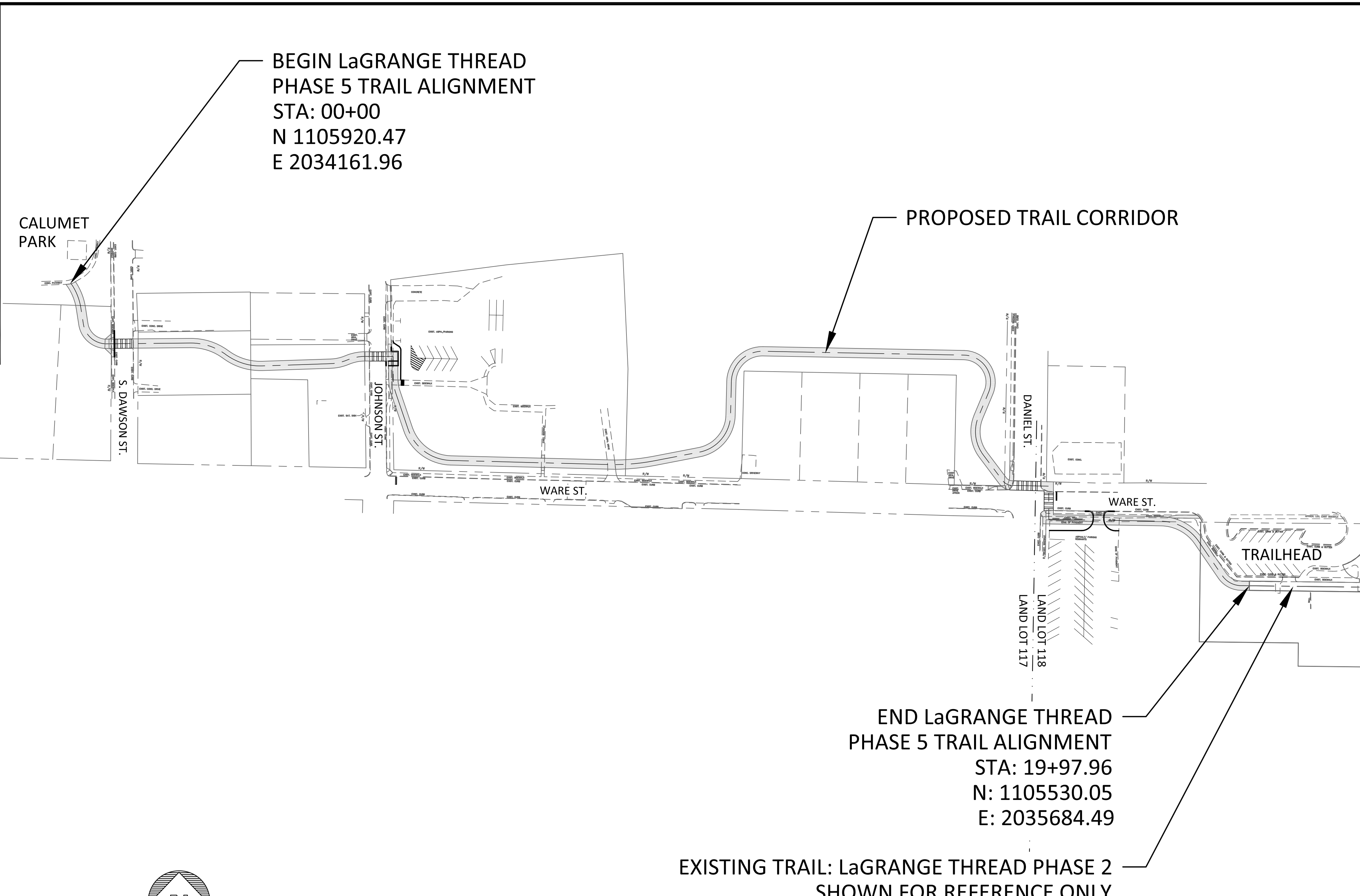
**SURVEY AND COORDINATE DATA**  
 HORIZ. DATUM - GA. STATE PLANE COORDINATE SYSTEM  
 VERT. DATUM - NAVD 1988  
 COORDINATE ZONE - GEORGIA WEST  
 PROJECT UNITS - ENGLISH

**PROJECT DESCRIPTION**  
 THE PROJECT FALLS WITHIN LAND LOTS 117 & 118 IN DISTRICT 6. THE SITE IS OWNED BY CITY OF LAGRANGE. THIS PROJECT WILL NOT REQUIRE ANY ZONING BUFFERS. THIS IS A TRAIL PROJECT WHICH IS BEING BUILT ON CITY EASEMENT AND CITY PROPERTY - THEREFORE THE PROPOSED USE OF THE PROJECT IS CONSISTENT WITH ZONING. THE LIMITS OF DISTURBANCE IS APPROXIMATELY 1.4 ACRES, NO DISTURBANCE IS PROPOSED WITHIN THE STATE 25' STREAM BUFFER SETBACK.

**NARRATIVE**  
 THIS PROJECT IS A LINEAR SIDEWALK AND GREENWAY TRAIL, BEGINNING AT THE SOUTHEAST AREA OF CALUMET PARK, ALIGNING THROUGH CITY EASEMENT AND CITY RIGHT-OF-WAY, AND TERMINATING AT THE EXISTING LAGRANGE THREAD PHASE 2 TRAILHEAD ALONG WARE STREET.  
 THE PROJECT LENGTH IS APPROXIMATELY 1,998 LF OF CONCRETE TRAIL, TRAIL AMENITIES, & SIGNAGE. ADDITIONAL WORK ASSOCIATED WITH THE PROJECT INCLUDES MINOR DEMOLITION AND CLEARING, EROSION CONTROL, AND GRADING.

**OWNER/DEVELOPER (PRIMARY PERMITTEE)**  
 CITY OF LAGRANGE  
 MEG KELSEY, CITY MANAGER  
 200 RIDLEY AVENUE  
 LAGRANGE, GA 30240  
 706-883-2016

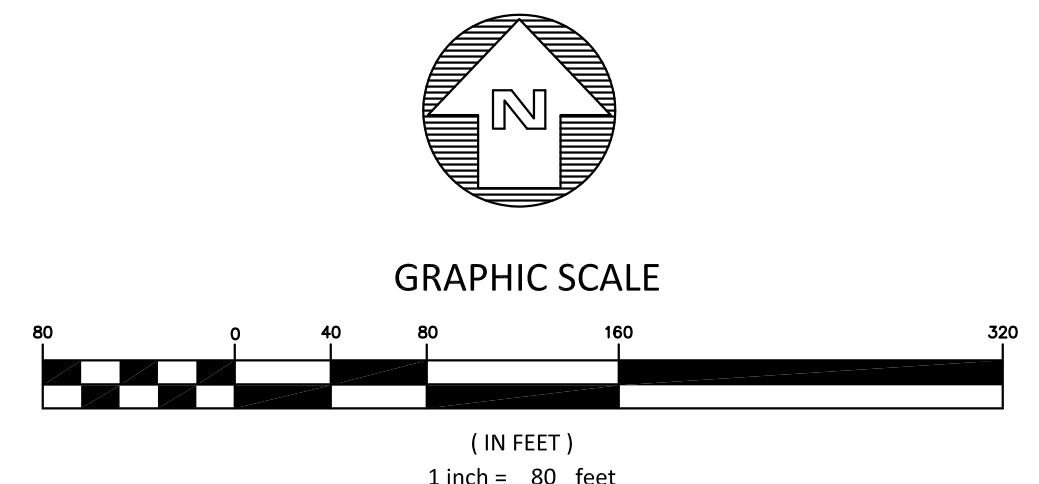
**CONSTRUCTION MANAGEMENT**  
 PATH FOUNDATION  
 JONATHAN McCAIG - 24 HOUR CONTACT  
 GA GSWCC LEVEL 1 CERTIFICATION # 58893  
 EXP. 08/17/2021  
 office 404-875-7284 x5 cell 404-433-1900



BEGIN LaGRANGE THREAD  
 PHASE 5 TRAIL ALIGNMENT  
 STA: 00+00  
 N 1105920.47  
 E 2034161.96

END LaGRANGE THREAD  
 PHASE 5 TRAIL ALIGNMENT  
 STA: 19+97.96  
 N: 1105530.05  
 E: 2035684.49

EXISTING TRAIL: LaGRANGE THREAD PHASE 2  
 SHOWN FOR REFERENCE ONLY



**ENGINEER'S CERTIFICATION STATEMENT:**  
 With my initials at the line above and my seal and signature below, I Greta G. deMayo, a professional **Engineer, Architect or Landscape Architect** licensed in the **State of Georgia**, hereby certify that I have personally reviewed the attached submittal plans for a land disturbance permit. In my opinion these submittal plans meet all applicable regulations and ordinances of the City of LaGrange and other affected parties may rely on this certification.  
 Signed: *Greta G. deMayo* Georgia Registration # **NO. 1051**  
 Date: **MAY 10, 2019**

GROSS LENGTH OF PROJECT: 1,998 LF  
 TOTAL SITE AREA = 1.15 ACRES  
 DISTURBED AREA = 1.4 ACRES

**INDEX OF SHEETS**

- GENERAL**  
 COVER SHEET (THIS SHEET)  
 GN-01 GENERAL NOTES
- TOPOGRAPHIC SURVEY**  
 S-01 TOPOGRAPHIC SURVEY  
 S-02 TOPOGRAPHIC SURVEY
- TYPICAL SECTIONS**  
 TS-01 TYPICAL SECTIONS  
 TS-02 TYPICAL SECTIONS  
 TS-03 TYPICAL SECTIONS
- CONSTRUCTION PLANS**  
 CP-01 CONSTRUCTION PLAN  
 CP-02 CONSTRUCTION PLAN  
 CP-03 STORM SEWER PROFILES
- SIGNING AND MARKING PLANS**  
 SM-01 SIGNING AND MARKING PLAN  
 SM-02 SIGNING AND MARKING PLAN  
 SM-03 SIGNING AND MARKING DETAILS
- LANDSCAPE PLANS**  
 LP-01 LANDSCAPE PLAN  
 LP-02 LANDSCAPE PLAN  
 LD-01 LANDSCAPE DETAILS  
 LD-02 LANDSCAPE NOTES
- CONSTRUCTION DETAILS**  
 CD-01 CONSTRUCTION DETAILS  
 CD-02 CONSTRUCTION DETAILS  
 CD-03 CONSTRUCTION DETAILS  
 CD-04 CONSTRUCTION DETAILS  
 CD-05 CONSTRUCTION DETAILS  
 CD-06 CONSTRUCTION DETAILS
- EROSION CONTROL PLANS**  
 EC-01 EROSION CONTROL PLAN  
 EC-02 EROSION CONTROL PLAN  
 ED-01 EROSION CONTROL DATA  
 ED-02 EROSION CONTROL DETAILS  
 EN-01 EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES  
 EN-02 EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES



PLANS PREPARED BY:  
**KAIZENCOLLABORATIVE**  
 2390 Main Street | Tucker, GA 30084 | 404.239.2521

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 105 CORPORATE DRIVE CARROLLTON, GA. 30117 OFFICE (770) 834-4894 FAX (770) 834-1005 E-MAIL: mailbox@georgiaandwest.com

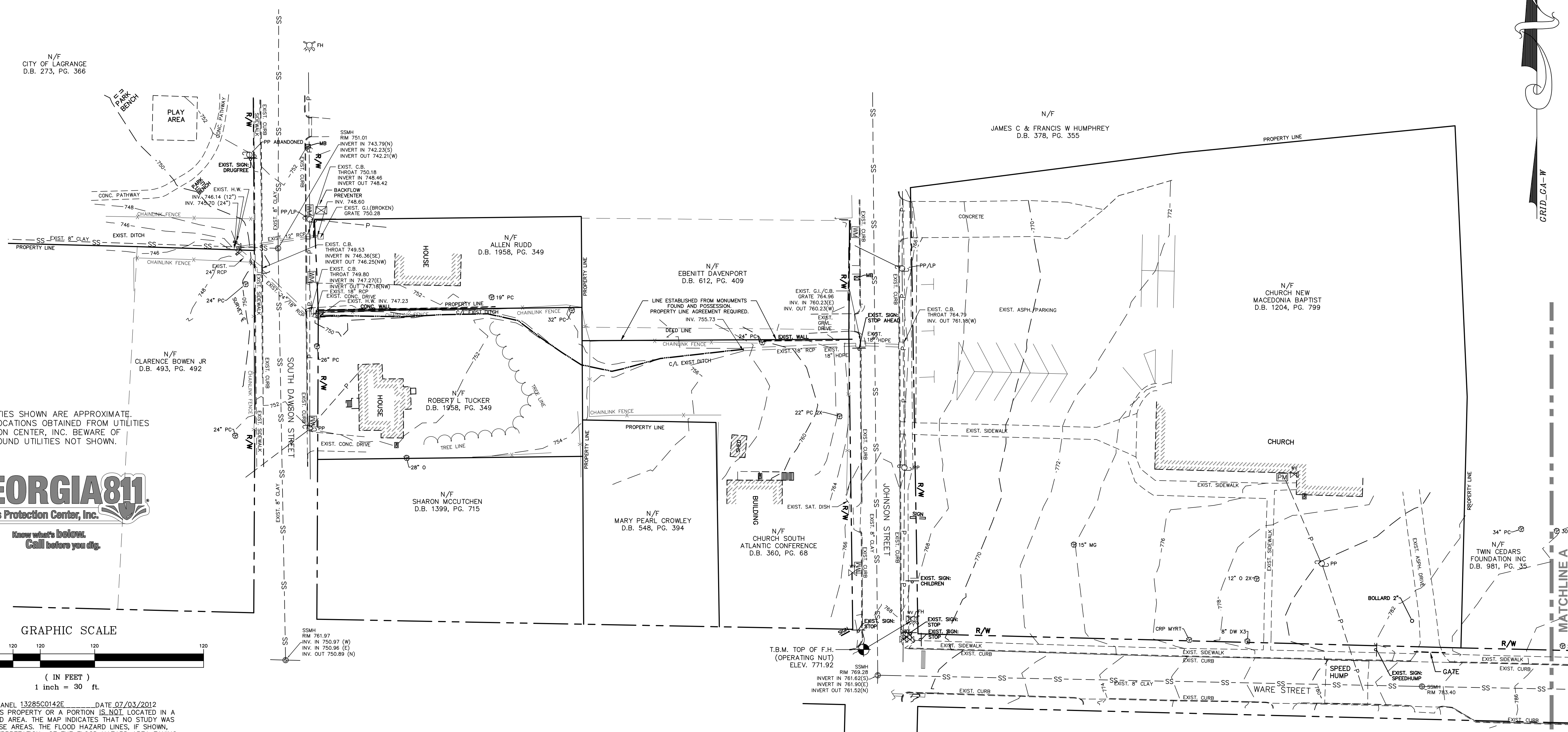


05/10/2019 - 100% ISSUE FOR PERMIT KAIZEN PROJ # 2019-174 LaGrange Thread Phase 5 - Calumet to Daniel St.









N/F  
CITY OF LAGRANGE  
D.B. 273, PG. 366

N/F  
JAMES C & FRANCIS W HUMPHREY  
D.B. 378, PG. 355

N/F ALLEN RUDD  
D.B. 1958, PG. 349

N/F EBENITT DAVENPORT  
D.B. 612, PG. 409

N/F CHURCH NEW  
MACEDONIA BAPTIST  
D.B. 1204, PG. 799

N/F CLARENCE BOWEN JR  
D.B. 493, PG. 492

N/F ROBERT L TUCKER  
D.B. 1958, PG. 349

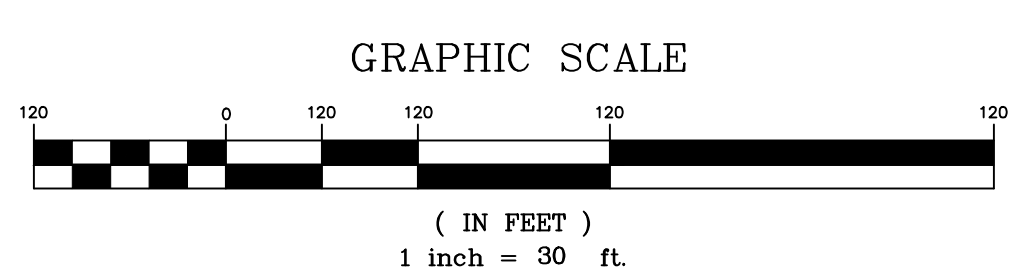
N/F SHARON MCCUTCHEEN  
D.B. 1399, PG. 715

N/F MARY PEARL CROWLEY  
D.B. 548, PG. 394

N/F CHURCH SOUTH  
ATLANTIC CONFERENCE  
D.B. 360, PG. 68

N/F TWIN CEDARS  
FOUNDATION INC  
D.B. 981, PG. 35

NOTE:  
ALL UTILITIES SHOWN ARE APPROXIMATE.  
UTILITY LOCATIONS OBTAINED FROM UTILITIES  
PROTECTION CENTER, INC. BEWARE OF  
UNDERGROUND UTILITIES NOT SHOWN.

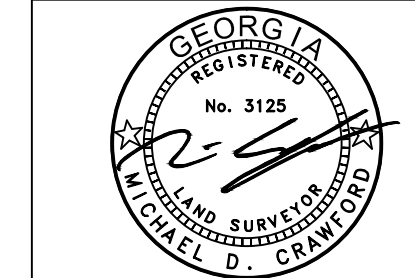


THE F.I.R.M. PANEL 13285C0142E DATE 07/03/2012  
INDICATES THIS PROPERTY OR A PORTION IS NOT LOCATED IN A  
FLOOD HAZARD AREA. THE MAP INDICATES THAT NO STUDY WAS  
MADE OF THESE AREAS. THE FLOOD HAZARD LINES, IF SHOWN,  
ARE OUR INTERPRETATION OF THE FLOOD HAZARD AREA TAKING  
INTO CONSIDERATION EXISTING TOPOGRAPHIC DATA, DRAINAGE  
AREAS AND FIRM PANELS. THERE MAY BE OTHER INTERPRETATIONS  
THAT DIFFER FROM THOSE SHOWN.

TREES 24" DBH OR LARGER AND STREET TREES ONLY SHOWN ON SURVEY

TREE LEGEND					
MA=maple	O=oak	WA=walnut	SG=sweetgum	CH=cherry	HK=hickory
PC=pecan	MI=mimosa	BH=beech	PI=pine	PO=poplar	SW=sourwood
GI=ginko	SM=sycamore	BE=boxelder	C=cedar	HB=hackberry	CW=cottonwood
UK=ink hardwood	DW=dogwood	PE=pear	BI=birch	MG=magnolia	BG=black gum

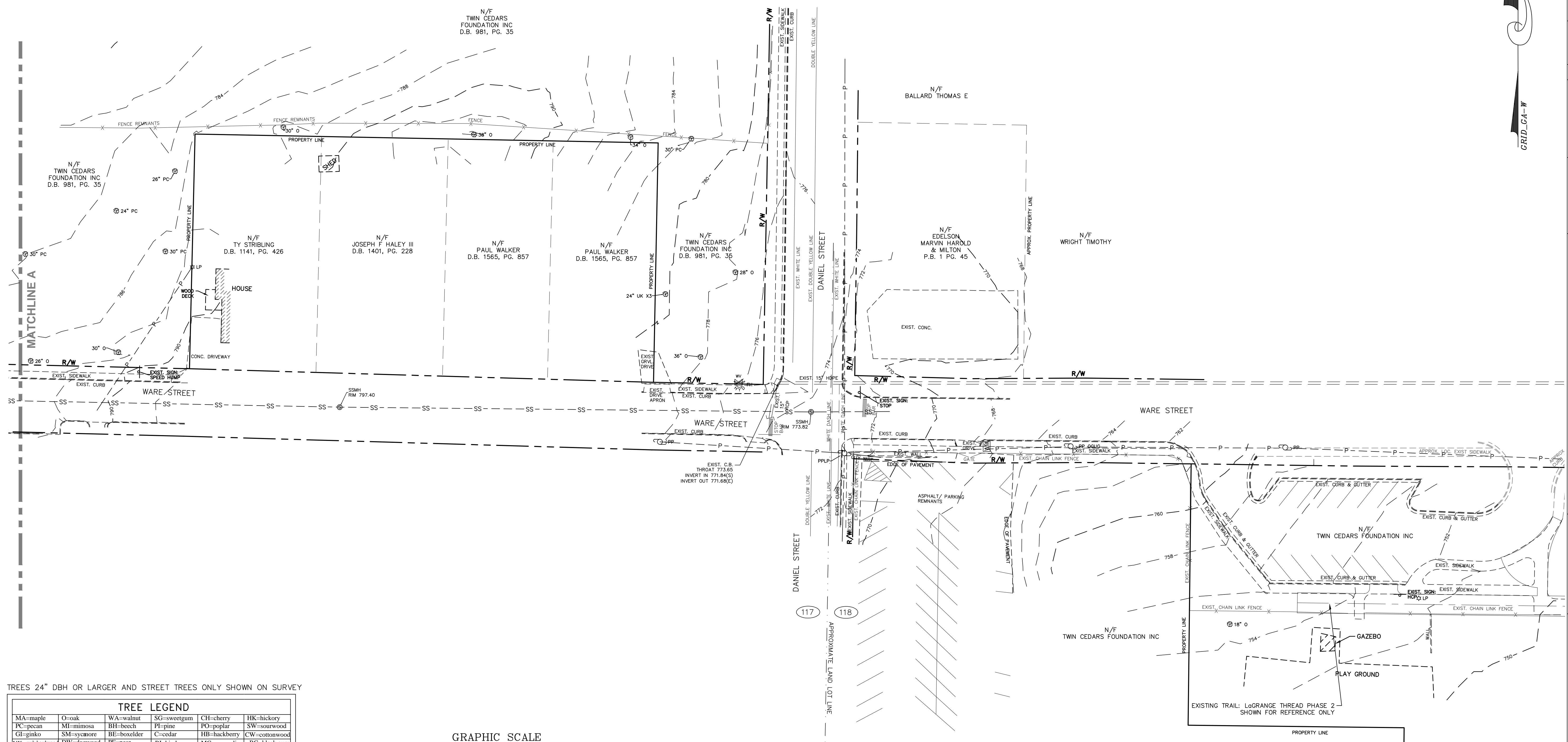
LEGEND		



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CARROLLTON, GA. 30117  
OFFICE (770) 834-4684  
FAX (770) 834-1005  
E-MAIL: mailbox@georgiandwest.com

WARNING: THIS PLAN SHEET IS NOT THE  
OFFICIAL CONTRACT DOCUMENT UNLESS  
APPROVED BY THE APPROPRIATE  
GOVERNMENTAL AGENCIES.  
WARNING: UTILITIES LOCATIONS ARE  
APPROXIMATE. BEWARE OF HIDDEN  
UTILITIES NOT SHOWN. CONTACT  
APPROPRIATE UTILITY COMPANIES PRIOR  
TO EXCAVATION.  
NOTICE: IT IS THE PROPERTY OWNER'S/  
CONTRACTOR'S RESPONSIBILITY TO  
COMPLY WITH ALL ENVIRONMENTAL  
IMPACT ISSUES AND TO OBTAIN ALL  
NECESSARY PERMITS FROM THE  
APPROPRIATE GOVERNING AUTHORITIES.

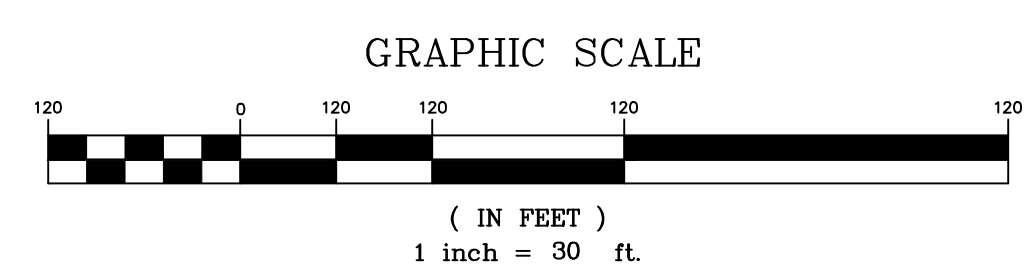
TITLE: TOPOGRAPHIC SURVEY  
LaGRANGE THREAD  
CALUMET TO DANIEL STREET  
LOCATED IN LAND LOT 108 DISTRICT 6  
TROUP COUNTY, GEORGIA  
DATE: 03-11-2019  
JOB NUMBER: 190106  
DESIGNED BY: 1" = 30'  
SCALE: 1" = 30'  
NO. DATE REVISION  
DESCRIPTION



TREES 24" DBH OR LARGER AND STREET TREES ONLY SHOWN ON SURVEY

TREE LEGEND					
MA=maple	O=oak	WA=walnut	SG=sweetgum	CH=cherry	HK=hickory
PC=pecan	MI=mimosa	BH=beech	PI=pine	PO=poplar	SW=sourwood
GI=ginko	SM=sycamore	BE=boxelder	C=cedar	HB=hackberry	CW=cottonwood
UK=ink hardwood	DW=dogwood	PE=pear	BI=birch	MG=magnolia	BG=black gum

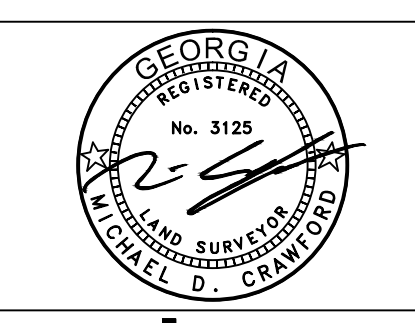
LEGEND			
	1033 CATCH BASIN		SEDIMENT BARRIER
	1034 CATCH BASIN		TREE PROTECTION FENCE
	1019A DROP INLET		CHAIN LINK FENCE
	1011A JUNCTION BOX		EXISTING FENCE
	1019A TYPE E CURB INLET		PROPERTY LINE
	1125 HEADWALL		EXISTING CONTOUR
	DRAINAGE SLOPE		PROPOSED CONTOUR
	SEWER MANHOLE		EXISTING CURB & GUTTER
	EXISTING FIRE HYDRANT		PROPOSED CURB & GUTTER
	PROPOSED FIRE HYDRANT		EXISTING SPOT ELEVATION
	LAMP POST		PROPOSED SPOT ELEVATION
	GUY POLE		EXISTING WATER METER
	UTILITY POLE		IRRIGATION CONTROL VALVE
	UNDERGROUND DOWNSPOUT		MAILBOX
	OVERGROUND DOWNSPOUT		GAS METER
	WATER VALVE		POWER METER
	GAS VALVE		
	HANDICAPPED PARKING		
	TRAFFIC FLOW		
	UNDERGROUND POWER		
	OVERHEAD POWER		
	UNDERGROUND TELEPHONE		
	OVERHEAD TELEPHONE		
	WATER		
	SANITARY SEWER		
	FORCE MAIN		
	GAS		
	STORM DRAIN		



THE F.I.R.M. PANEL 13285C0142E DATE 07/03/2012 INDICATES THIS PROPERTY OR A PORTION IS NOT LOCATED IN A FLOOD HAZARD AREA. THE MAP INDICATES THAT NO STUDY WAS MADE OF THESE AREAS. THE FLOOD HAZARD LINES, IF SHOWN, ARE OUR INTERPRETATION OF THE FLOOD HAZARD AREA TAKING INTO CONSIDERATION EXISTING TOPOGRAPHIC DATA, DRAINAGE AREAS AND FIRM PANELS. THERE MAY BE OTHER INTERPRETATIONS THAT DIFFER FROM THOSE SHOWN.

NOTE:  
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UTILITY LOCATIONS OBTAINED FROM UTILITIES  
PROTECTION CENTER, INC. BEWARE OF  
UNDERGROUND UTILITIES NOT SHOWN.

**GEORGIA811**  
Utilities Protection Center, Inc.  
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NOTICE: IT IS THE PROPERTY OWNER'S/ CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL ENVIRONMENTAL IMPACT ISSUES AND TO OBTAIN ALL NECESSARY PERMITS FROM THE APPROPRIATE GOVERNING AUTHORITIES.

TITLE: TOPOGRAPHIC SURVEY  
LaGRANGE THREAD  
CALUMET TO DANIEL STREET  
LOCATED IN LAND LOTS 108 DISTRICT 6  
TROOP COUNTY, GEORGIA

DATE: 03-11-2019 DESIGNED BY: JMS  
JOB NUMBER: 190106  
SCALE: 1" = 30'

NO. DATE REVISION  
DESCRIPTION









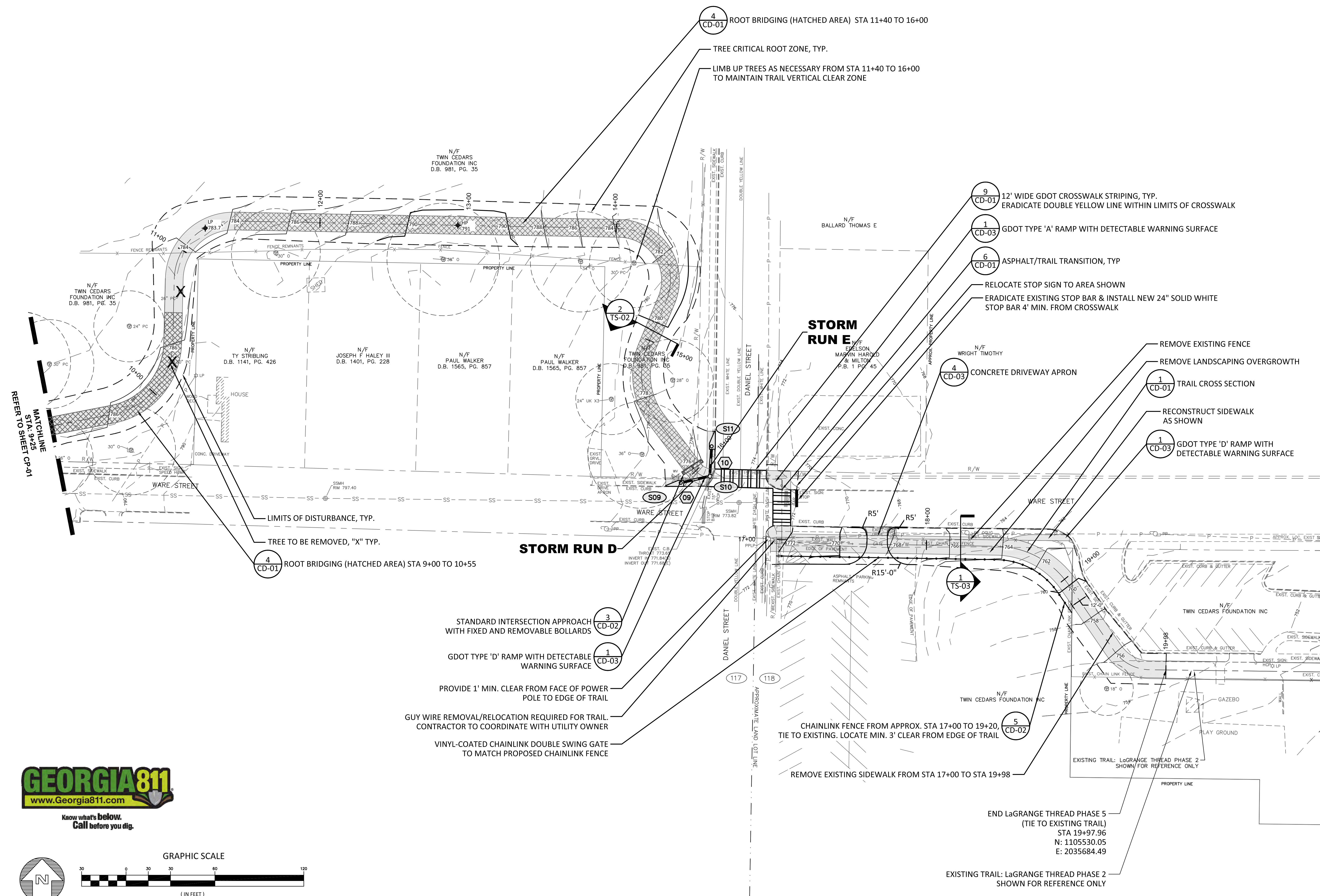












4 CD-01 ROOT BRIDGING (HATCHED AREA) STA 11+40 TO 16+00  
TREE CRITICAL ROOT ZONE, TYP.  
LIMB UP TREES AS NECESSARY FROM STA 11+40 TO 16+00 TO MAINTAIN TRAIL VERTICAL CLEAR ZONE

9 CD-01 12' WIDE GDOT CROSSWALK STRIPING, TYP.  
ERADICATE DOUBLE YELLOW LINE WITHIN LIMITS OF CROSSWALK  
1 CD-03 GDOT TYPE 'A' RAMP WITH DETECTABLE WARNING SURFACE  
6 CD-01 ASPHALT/TRAIL TRANSITION, TYP  
RELOCATE STOP SIGN TO AREA SHOWN  
ERADICATE EXISTING STOP BAR & INSTALL NEW 24" SOLID WHITE STOP BAR 4' MIN. FROM CROSSWALK

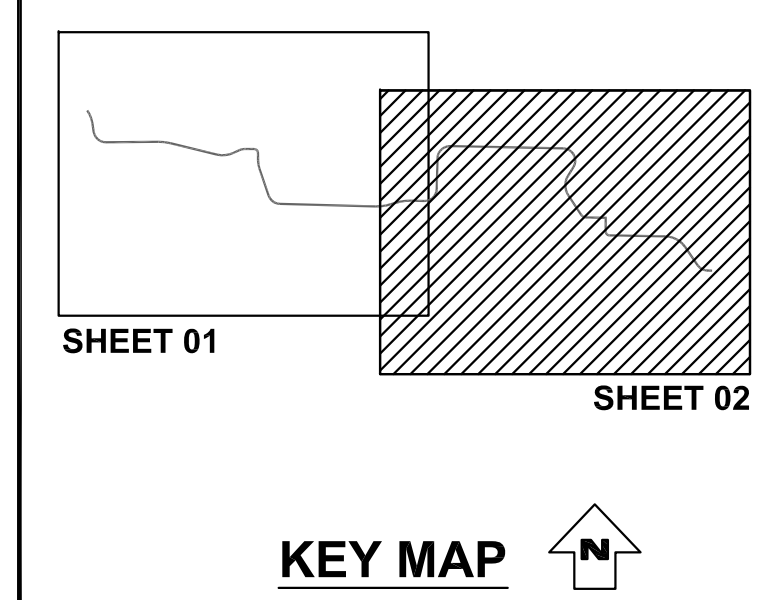
REMOVE EXISTING FENCE  
REMOVE LANDSCAPING OVERGROWTH  
1 CD-01 TRAIL CROSS SECTION  
RECONSTRUCT SIDEWALK AS SHOWN  
1 CD-03 GDOT TYPE 'D' RAMP WITH DETECTABLE WARNING SURFACE

4 CD-01 ROOT BRIDGING (HATCHED AREA) STA 9+00 TO 10+55  
LIMITS OF DISTURBANCE, TYP.  
TREE TO BE REMOVED, "X" TYP.  
STANDARD INTERSECTION APPROACH WITH FIXED AND REMOVABLE BOLLARDS 3 CD-02  
GDOT TYPE 'D' RAMP WITH DETECTABLE WARNING SURFACE 1 CD-03  
PROVIDE 1' MIN. CLEAR FROM FACE OF POWER POLE TO EDGE OF TRAIL  
GUY WIRE REMOVAL/RELOCATION REQUIRED FOR TRAIL. CONTRACTOR TO COORDINATE WITH UTILITY OWNER  
VINYL-COATED CHAINLINK DOUBLE SWING GATE TO MATCH PROPOSED CHAINLINK FENCE

CHAINLINK FENCE FROM APPROX. STA 17+00 TO 19+20. TIE TO EXISTING. LOCATE MIN. 3' CLEAR FROM EDGE OF TRAIL  
5 CD-02  
REMOVE EXISTING SIDEWALK FROM STA 17+00 TO STA 19+98

END LaGRANGE THREAD PHASE 5 (TIE TO EXISTING TRAIL) STA 19+97.96  
N: 1105530.05  
E: 2035684.49

EXISTING TRAIL: LaGRANGE THREAD PHASE 2 SHOWN FOR REFERENCE ONLY



DATE	DESCRIPTION

PROJECT #	2019 - 174
PROJECT MANAGER	GGD

**LaGRANGE THREAD PHASE 5 CALUMET TO DANIEL ST LaGRANGE, GA**



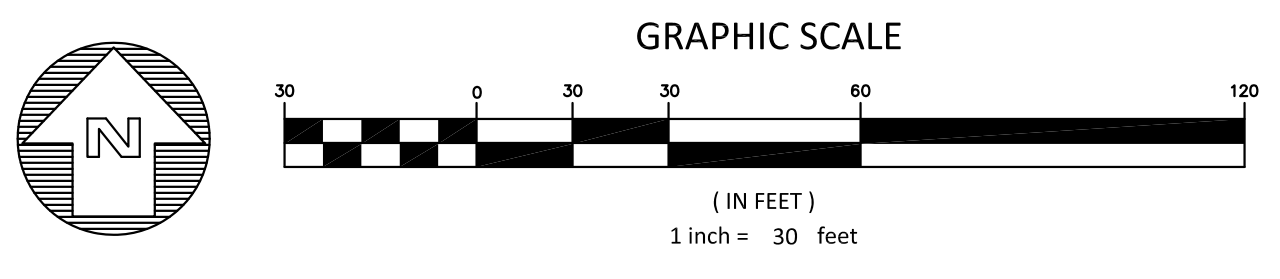
**CONSTRUCTION PLAN**

SCALE	1"=30'-0"
DATE	MAY 10, 2019

SHEET # **CP-02**



Know what's below. Call before you dig.











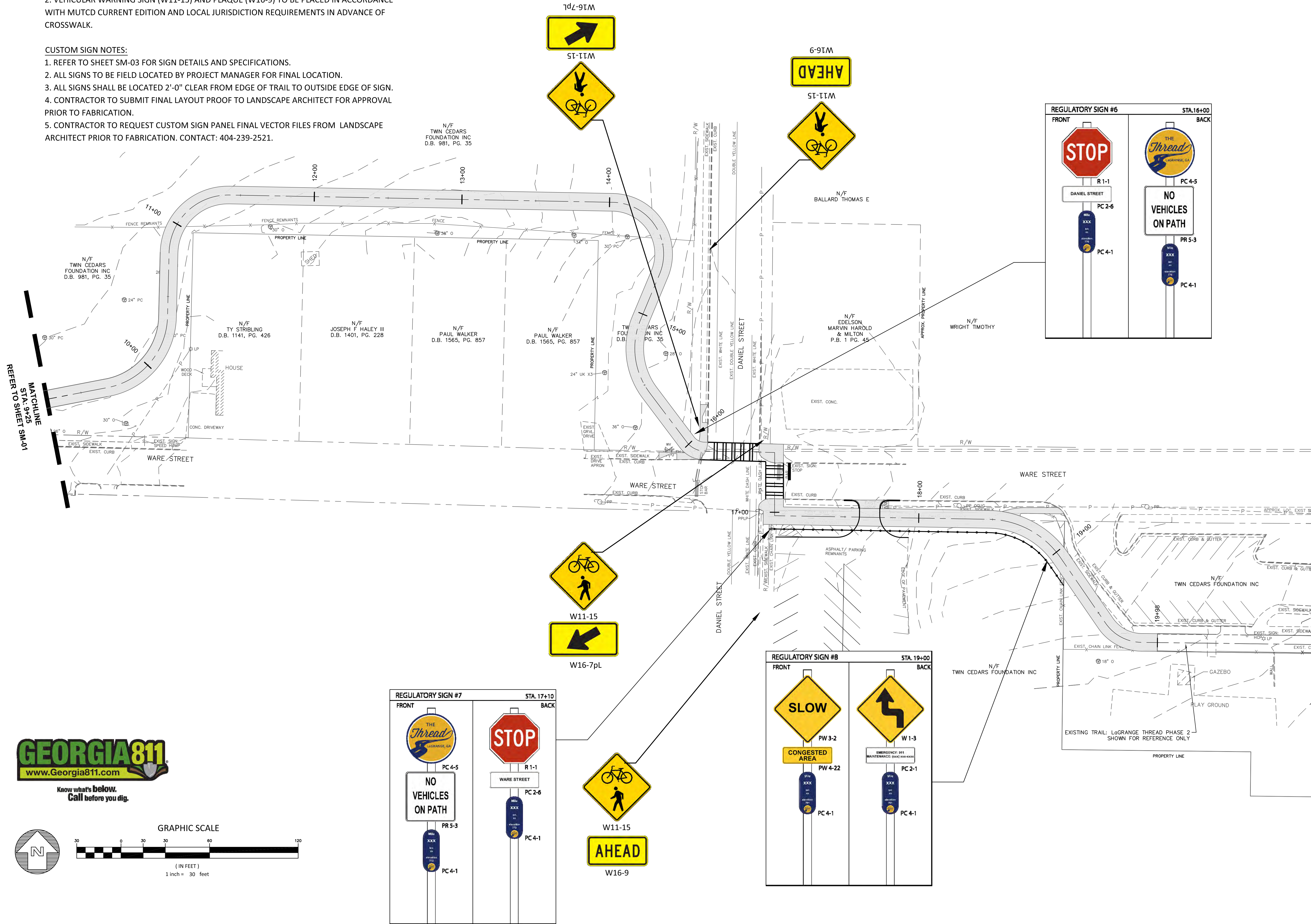


**MUTCD SIGN NOTES:**

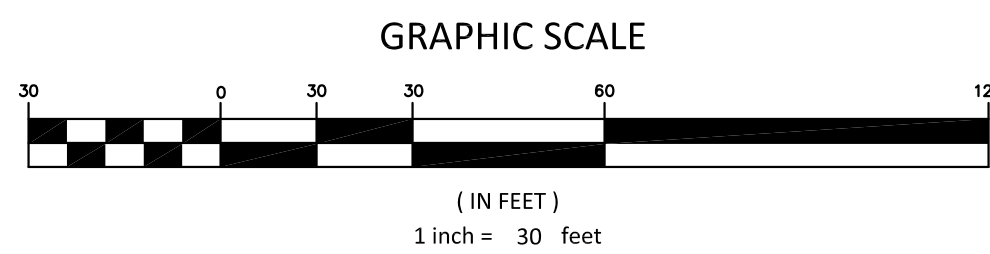
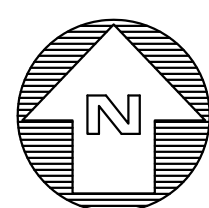
- MUTCD SIGN PLACEMENTS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MUTCD CURRENT EDITION.
- VEHICULAR WARNING SIGN (W11-15) AND PLAQUE (W16-9) TO BE PLACED IN ACCORDANCE WITH MUTCD CURRENT EDITION AND LOCAL JURISDICTION REQUIREMENTS IN ADVANCE OF CROSSWALK.

**CUSTOM SIGN NOTES:**

- REFER TO SHEET SM-03 FOR SIGN DETAILS AND SPECIFICATIONS.
- ALL SIGNS TO BE FIELD LOCATED BY PROJECT MANAGER FOR FINAL LOCATION.
- ALL SIGNS SHALL BE LOCATED 2'-0" CLEAR FROM EDGE OF TRAIL TO OUTSIDE EDGE OF SIGN.
- CONTRACTOR TO SUBMIT FINAL LAYOUT PROOF TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION.
- CONTRACTOR TO REQUEST CUSTOM SIGN PANEL FINAL VECTOR FILES FROM LANDSCAPE ARCHITECT PRIOR TO FABRICATION. CONTACT: 404-239-2521.

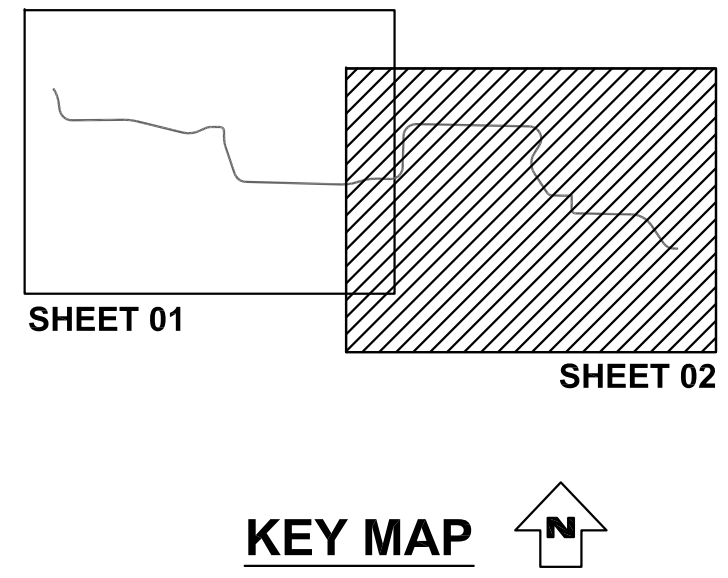


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2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

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OFFICE (770) 834-4894  
CARROLLTON, GA 30117  
E-MAIL: mailbox@georgiawest.com



DATE	DESCRIPTION

PROJECT #	2019 - 174
PROJECT MANAGER	GGD

**LaGRANGE THREAD  
PHASE 5  
CALUMET TO DANIEL ST  
LaGRANGE, GA**



**SIGNING & MARKING PLAN**

SCALE	1"=30'-0"
DATE	MAY 10, 2019

SHEET #	<b>SM-02</b>
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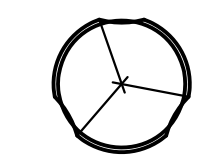
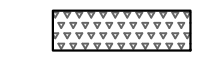
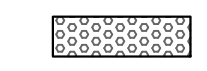


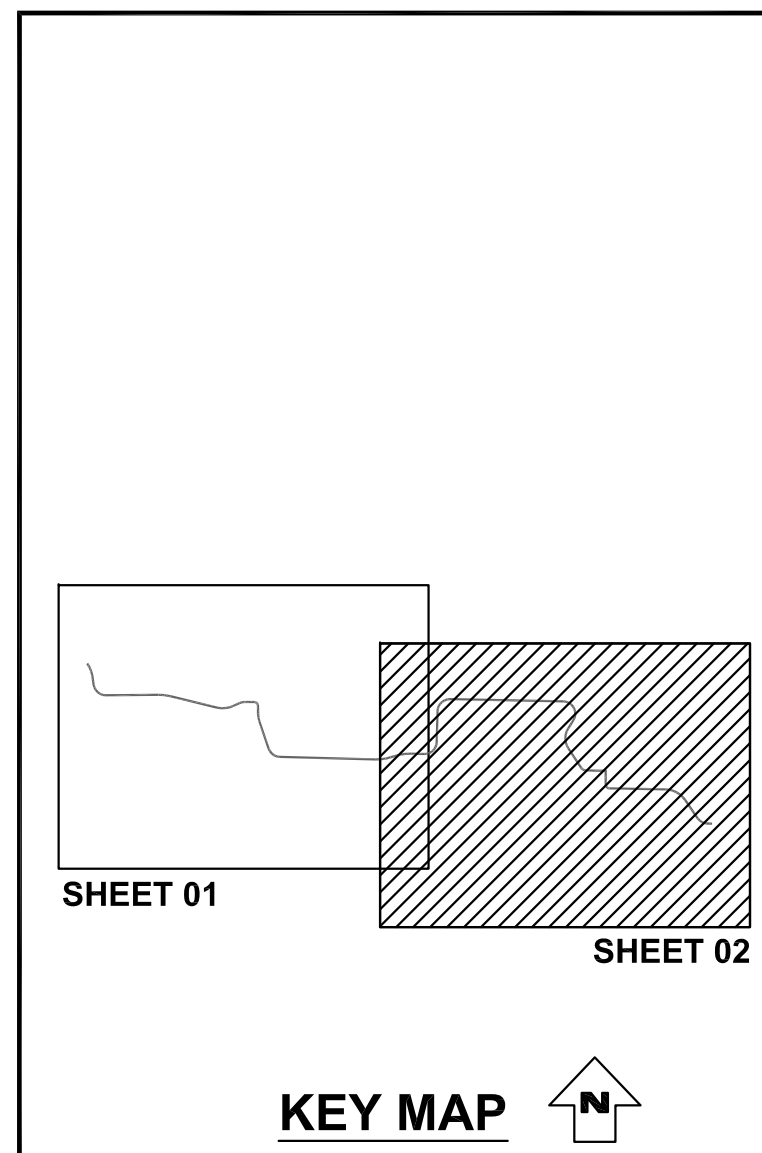
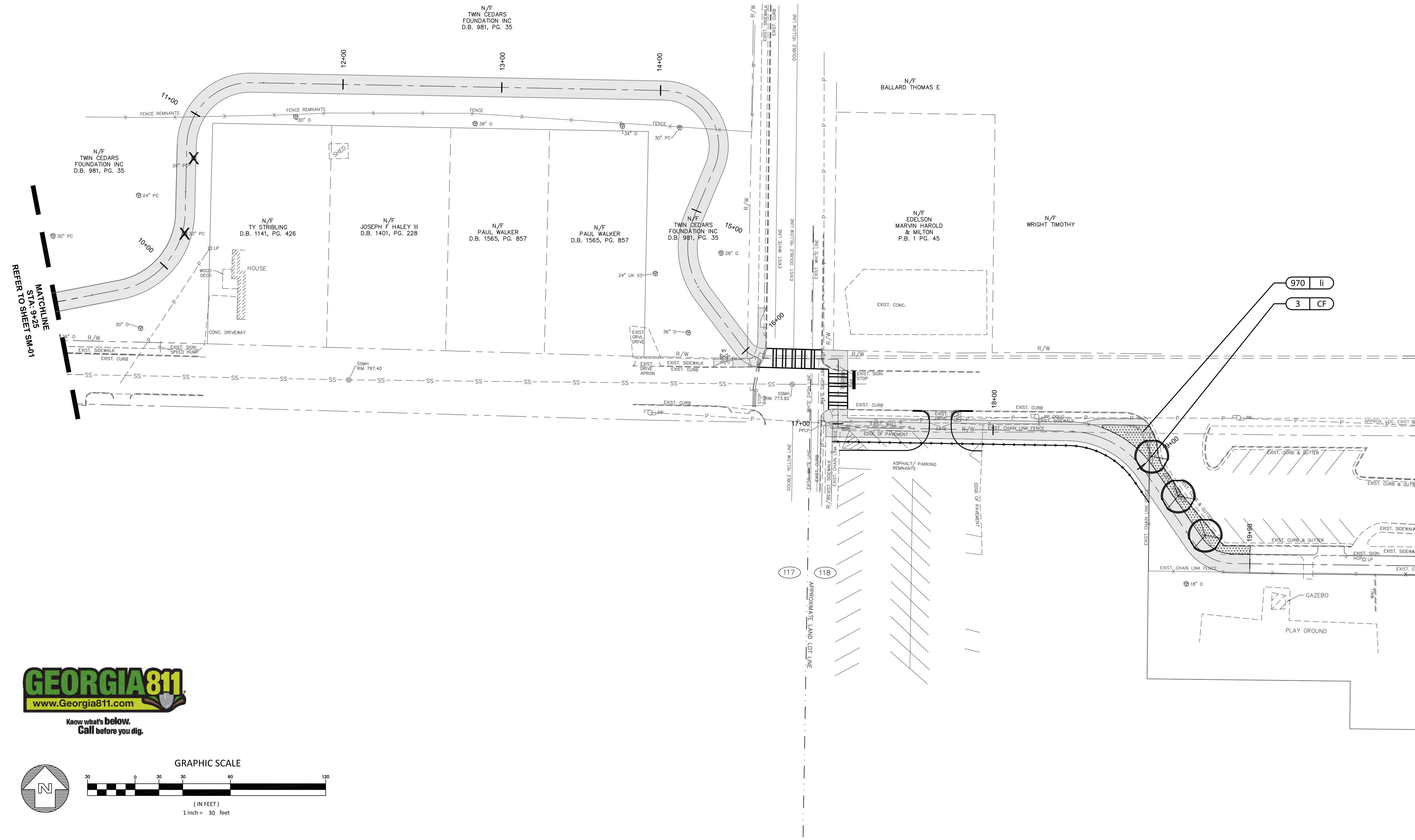






**PLANTS LEGEND**

-  Acer rubrum 'October Glory' / October Glory Red Maple (ARO)
-  Cornus florida / Flowering Dogwood (CF)
-  Liriope muscari 'Big Blue' / Big Blue Liriope (li)
-  Hemerocallis x 'Happy Returns' / Happy Returns Daylily (hs)



DATE	DESCRIPTION

PROJECT #	2019 - 174
PROJECT MANAGER	GGD

**LaGRANGE THREAD  
 PHASE 5  
 CALUMET TO DANIEL ST  
 LaGRANGE, GA**



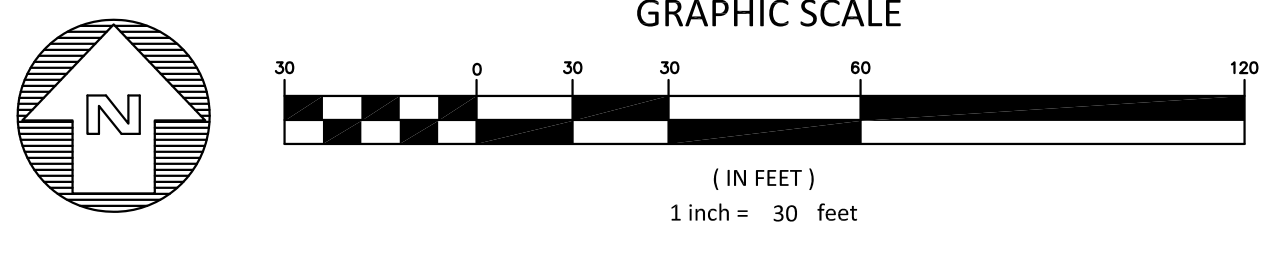
**LANDSCAPE PLAN**

SCALE	1"=30'-0"
DATE	MAY 10, 2019

SHEET #	<b>LP-02</b>
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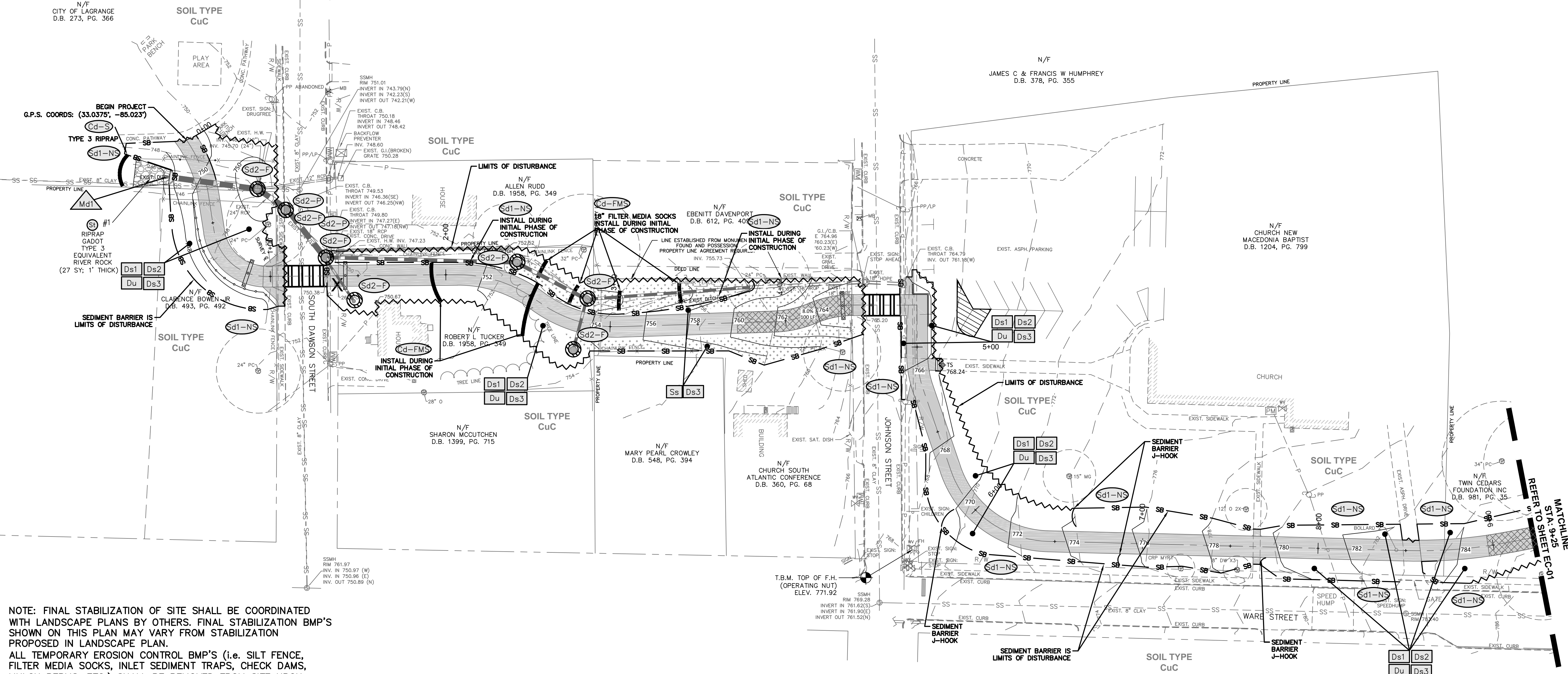


**EROSION CONTROL NOTES:**

1. EROSION CONTROL DEVICES WILL BE PROPERLY INSTALLED, PRIOR TO SITE DISTURBANCE, AND MAINTAINED IN GOOD WORKING CONDITION UNTIL COMPLETION OF THE PROJECT.
2. ALL DISTURBED AREAS TO BE ESTABLISHED TO SUITABLE PERENNIAL VEGETATION, ACCORDING TO USDA SOIL CONSERVATION SERVICE OR GEORGIA EXTENSION SERVICE SPECIFICATIONS, IMMEDIATELY AFTER FINAL GRADING.
3. STREETS, SANITARY SEWERS, AND STORM SEWERS WILL BE INSTALLED AND BARE AREAS STABILIZED BEFORE OTHER AREAS ARE DISTURBED.
4. **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.**
5. EVERY EFFORT SHOULD BE MADE TO CONSERVE AND PROTECT NATURAL VEGETATION.
6. SEDIMENT BARRIERS WILL BE PLACED AT THE TOE OF ALL CUT AND FILL SLOPES AND AROUND ALL DROP INLETS; ALSO BELOW ALL LOT DISTURBANCES WHERE EROSION RUN-OFF MIGHT LEAVE THE SITE.
7. ALL PIPE OUTLETS ARE TO BE COVERED WITH #50 RIPRAP FOR A MINIMUM DISTANCE OF SIX (6) TIMES THE DIAMETER OF THE PIPE. SEE OUTLET PROTECTION TABLE FOR DIMENSIONS OF RIPRAP FOR INDIVIDUAL OUTLETS.
8. **THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES.**

9. **ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GRATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.**
10. NON-COMPLIANT SITES CAN BE FINED UP TO \$2,500.00 DOLLARS PER DAY, PER VIOLATION AS SET OUT BY THE EROSION AND SEDIMENT CONTROL ACT. THE GEORGIA WATER QUALITY CONTROL ACT PROVIDES FOR FINES UP TO \$50,000.00 DOLLARS PER DAY, PER VIOLATION!
11. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
12. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
13. THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND THE EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE CONTROL MEASURES (BMP'S) WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION.
14. ANY AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
15. **24-HOUR CONTACT PERSON RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL DEVICES AND MEASURES IS:**

NAME: JONATHAN MCCAIG  
 TITLE: 24-HOUR CONTACT PERSON  
 TELEPHONE #: 404-433-1900



NOTE: FINAL STABILIZATION OF SITE SHALL BE COORDINATED WITH LANDSCAPE PLANS BY OTHERS. FINAL STABILIZATION BMP'S SHOWN ON THIS PLAN MAY VARY FROM STABILIZATION PROPOSED IN LANDSCAPE PLAN.  
 ALL TEMPORARY EROSION CONTROL BMP'S (i.e. SILT FENCE, FILTER MEDIA SOCKS, INLET SEDIMENT TRAPS, CHECK DAMS, MULCH BERMS, ETC.) SHALL BE REMOVED FROM SITE UPON FINAL SITE STABILIZATION.

THE F.I.R.M. PANEL 13285C0142E DATE 07/03/2012 INDICATES THIS PROPERTY OR A PORTION IS NOT LOCATED IN A FLOOD HAZARD AREA. THE MAP INDICATES THAT NO STUDY WAS MADE OF THESE AREAS. THE FLOOD HAZARD LINES, IF SHOWN, ARE OUR INTERPRETATION OF THE FLOOD HAZARD AREA TAKING INTO CONSIDERATION EXISTING TOPOGRAPHIC DATA, DRAINAGE AREAS AND FIRM PANELS. THERE MAY BE OTHER INTERPRETATIONS THAT DIFFER FROM THOSE SHOWN.

NOTE:  
 \*EROSION CONTROL DATA & DETAILS ARE CONTINUED ON OTHER ASSOCIATED, AND FOLLOWING SHEETS. SEE COMPLETE SET OF CONSTRUCTION PLANS FOR REVIEW. THIS SITE IS NOT LOCATED WITHIN 200' (FEET) OF STATE WATERS  
 TOTAL SITE AREA 1.15 ACRES  
 (TOTAL SITE AREA INCLUDES A WIDTH OF 25' ALONG THE CENTERLINE OF THE TRAIL FOR THE LENGTH OF THE PROJECT)  
 DISTURBED AREA 1.4 ACRES

NOTE: THIS PLAN PROPOSES NO MASS GRADING. INITIAL PERIMETER CONTROL BMP'S, INTERMEDIATE GRADING AND DRAINAGE BMP'S, AND FINAL BMP'S REMAIN UNCHANGED FOR THE DURATION OF THE PROJECT AND ARE ALL SHOWN ON THIS SINGLE PHASE PLAN.

PRIMARY PERMITTEE:  
 CITY OF LAGRANGE  
 ATTN: MEG KELSEY  
 200 RIDLEY AVENUE  
 LAGRANGE, GA 30240  
 706-883-2016  
 mkelsey@lagrangega.org

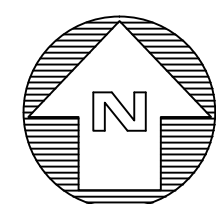
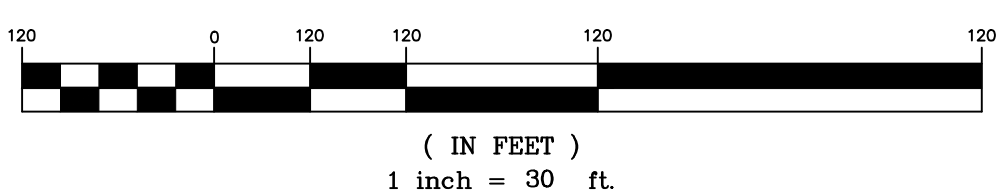
CONSTRUCTION MANAGEMENT  
 PATH FOUNDATION  
 JONATHAN MCCAIG - 24 HOUR CONTACT  
 GA GSWCC LEVEL 1 CERTIFICATION # 58893  
 EXP. 08/17/2021  
 office 404-875-7284 x5 cell 404-433-1900

- NOTES:
1. RE-FUELING TO BE DONE BY MOBILE FUELING VEHICLE. NO REFUELING SHALL BE DONE WITHIN 200 FEET OF STATE WATERS REQUIRING A BUFFER AND AS FAR AWAY FROM STORM DRAINS AS PRACTICAL. ANY SPILLS SHALL BE PROPERLY CLEANED UP IMMEDIATELY.
  2. DUE TO THE NATURE OF THIS CONSTRUCTION PROJECT, CONSTRUCTION EXITS ARE NOT SPECIFICALLY LOCATED ON THE PLAN, CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE TRACKING OF MUD, DIRT, OR ROCK ONTO THE ROADWAY. THIS MAY REQUIRE THE USE OF A PORTABLE WASHOUT AREA AT THE CONTRACTORS EXPENSE.
  3. DUE TO THE NATURE OF THIS CONSTRUCTION PROJECT, CONCRETE WASHOUTS ARE NOT SPECIFICALLY LOCATED ON THE PLAN, CONTRACTOR SHALL MAKE EVERY EFFORT TO PREVENT WASHOUT WATER FROM LEAVING THE SITE. THIS MAY REQUIRE THE USE OF A PORTABLE WASHOUT AREA AT THE CONTRACTORS EXPENSE.
  4. Sd1-NS & Sd1-S SEDIMENT BARRIERS MAYBE EITHER SILT FENCE OR FILTER MEDIA SOCK AS PER DETAILS SHOWN ON SHEET ED-03.
  5. ANY AND ALL WORK OUTSIDE THE RIGHT OF WAY SHALL REQUIRE PERMISSION FROM THE PROPERTY OWNER PRIOR TO CONSTRUCTION.
  6. CONTRACTOR TO REPAIR ALL DISTURBED SURFACES TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
  7. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION CONTROL BMP'S THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL NOTIFY DESIGN PROFESSIONAL OF ANY CHANGES TO THE PLAN THAT ARE NECESSARY DURING CONSTRUCTION.



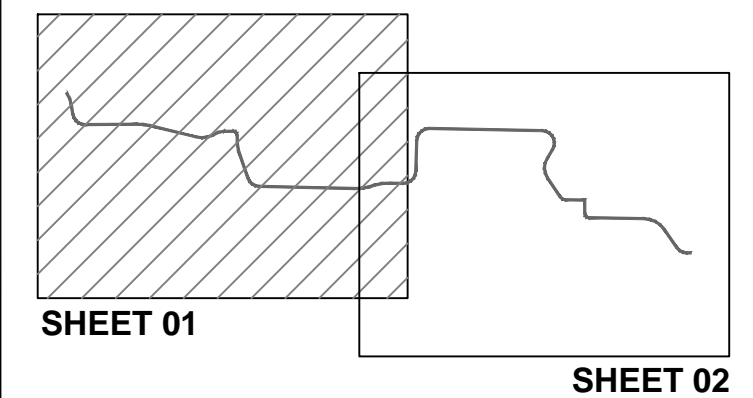
Know what's below.  
 Call before you dig.

GRAPHIC SCALE



**KAIZEN COLLABORATIVE**  
 2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

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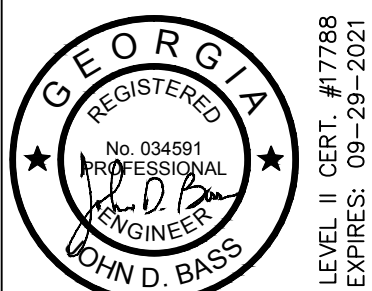


KEY MAP

DATE	DESCRIPTION

PROJECT # 2019 - 174  
 PROJECT MANAGER GGD

**LaGRANGE THREAD  
 PHASE 5  
 CALUMET TO DANIEL ST  
 LaGRANGE, GA**

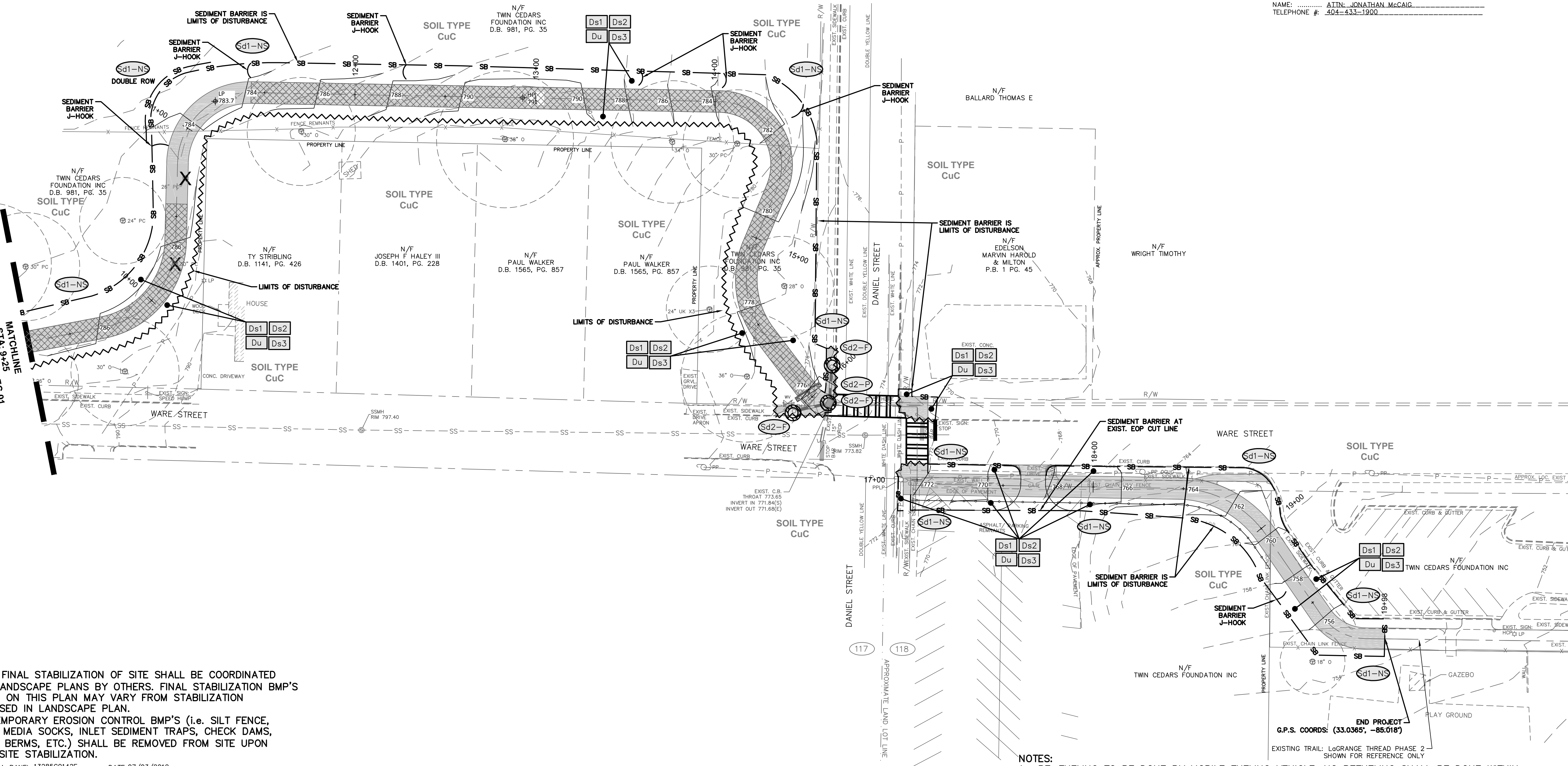


**EROSION CONTROL PLAN**

SCALE 1"=30'  
 DATE MAY 10, 2019

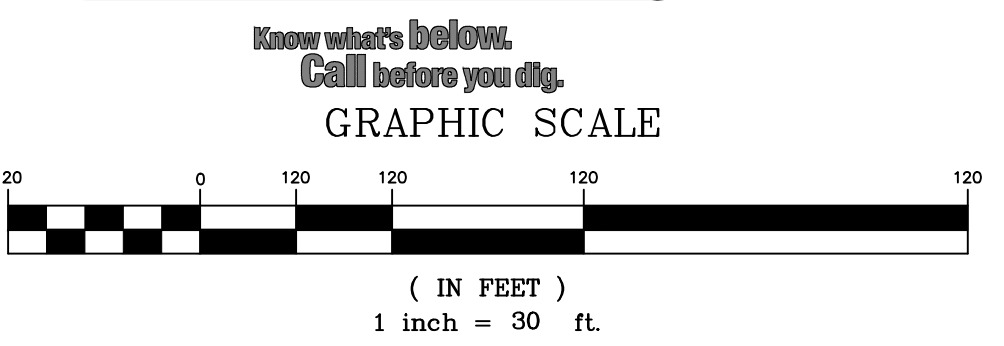
SHEET # **EC-01**





NOTE: FINAL STABILIZATION OF SITE SHALL BE COORDINATED WITH LANDSCAPE PLANS BY OTHERS. FINAL STABILIZATION BMP'S SHOWN ON THIS PLAN MAY VARY FROM STABILIZATION PROPOSED IN LANDSCAPE PLAN.  
 ALL TEMPORARY EROSION CONTROL BMP'S (i.e. SILT FENCE, FILTER MEDIA SOCKS, INLET SEDIMENT TRAPS, CHECK DAMS, MULCH BERMS, ETC.) SHALL BE REMOVED FROM SITE UPON FINAL SITE STABILIZATION.

THE F.I.R.M. PANEL 13285C0142E DATE 07/03/2012 INDICATES THIS PROPERTY OR A PORTION IS NOT LOCATED IN A FLOOD HAZARD AREA. THE MAP INDICATES THAT NO STUDY WAS MADE OF THESE AREAS. THE FLOOD HAZARD LINES, IF SHOWN, ARE OUR INTERPRETATION OF THE FLOOD HAZARD AREA TAKING INTO CONSIDERATION EXISTING TOPOGRAPHIC DATA, DRAINAGE AREAS AND FIRM PANELS. THERE MAY BE OTHER INTERPRETATIONS THAT DIFFER FROM THOSE SHOWN.



NOTE:  
 \*EROSION CONTROL DATA & DETAILS ARE CONTINUED ON OTHER ASSOCIATED, AND FOLLOWING SHEETS. SEE COMPLETE SET OF CONSTRUCTION PLANS FOR REVIEW. THIS SITE IS NOT LOCATED WITHIN 200' (FEET) OF STATE WATERS  
 TOTAL SITE AREA 1.15 ACRES  
 (TOTAL SITE AREA INCLUDES A WIDTH OF 25' ALONG THE CENTERLINE OF THE TRAIL FOR THE LENGTH OF THE PROJECT)  
 DISTURBED AREA 1.4 ACRES

NOTE: THIS PLAN PROPOSES NO MASS GRADING. INITIAL PERIMETER CONTROL BMPs, INTERMEDIATE GRADING AND DRAINAGE BMPs, AND FINAL BMPs REMAIN UNCHANGED FOR THE DURATION OF THE PROJECT AND ARE ALL SHOWN ON THIS SINGLE PHASE PLAN.

PRIMARY PERMITTEE:  
 CITY OF LAGRANGE  
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 200 RIDLEY AVENUE  
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CONSTRUCTION MANAGEMENT  
 PATH FOUNDATION  
 JONATHAN MCCAIG - 24 HOUR CONTACT  
 GA GSWCC LEVEL 1 CERTIFICATION # 58893  
 EXP. 08/17/2021  
 office 404-875-7284 x5 cell 404-433-1900

**EROSION CONTROL NOTES:**

1. EROSION CONTROL DEVICES WILL BE PROPERLY INSTALLED, PRIOR TO SITE DISTURBANCE, AND MAINTAINED IN GOOD WORKING CONDITION UNTIL COMPLETION OF THE PROJECT.
2. ALL DISTURBED AREAS TO BE ESTABLISHED TO SUITABLE PERENNIAL VEGETATION, ACCORDING TO USDA SOIL CONSERVATION SERVICE OR GEORGIA EXTENSION SERVICE SPECIFICATIONS, IMMEDIATELY AFTER FINAL GRADING.
3. STREETS, SANITARY SEWERS, AND STORM SEWERS WILL BE INSTALLED AND BARE AREAS STABILIZED BEFORE OTHER AREAS ARE DISTURBED.
4. 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.
5. EVERY EFFORT SHOULD BE MADE TO CONSERVE AND PROTECT NATURAL VEGETATION.
6. SEDIMENT BARRIERS WILL BE PLACED AT THE TOE OF ALL CUT AND FILL SLOPES AND AROUND ALL DROP INLETS; ALSO BELOW ALL LOT DISTURBANCES WHERE EROSION RUN-OFF MIGHT LEAVE THE SITE.
7. ALL PIPE OUTLETS ARE TO BE COVERED WITH #50 RIPRAP FOR A MINIMUM DISTANCE OF SIX (6) TIMES THE DIAMETER OF THE PIPE. SEE OUTLET PROTECTION TABLE FOR DIMENSIONS OF RIPRAP FOR INDIVIDUAL OUTLETS.
8. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES.

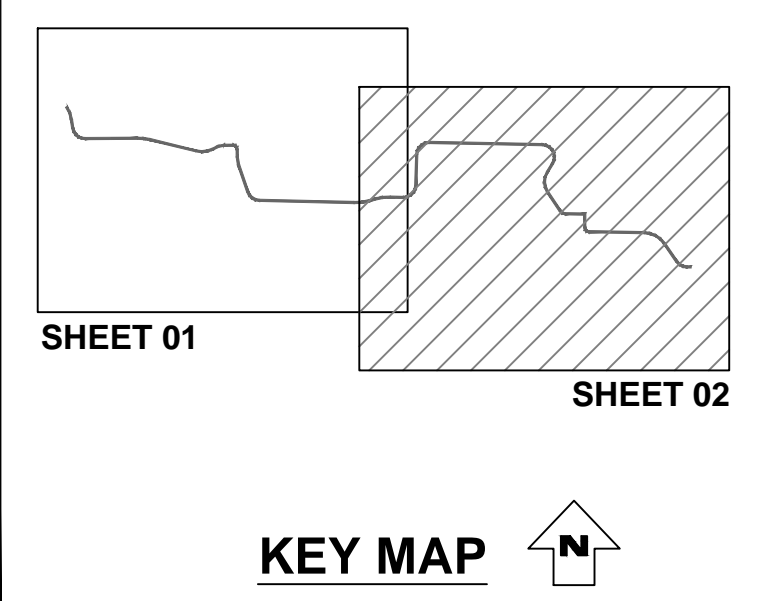
9. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GRATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
10. NON-COMPLIANT SITES CAN BE FINED UP TO \$2,500.00 DOLLARS PER DAY, PER VIOLATION AS SET OUT BY THE EROSION AND SEDIMENT CONTROL ACT. THE GEORGIA WATER QUALITY CONTROL ACT PROVIDES FOR FINES UP TO \$50,000.00 DOLLARS PER DAY, PER VIOLATION!
11. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
12. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
13. THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND THE EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE CONTROL MEASURES (BMP'S) WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION.
14. ANY AMENDMENTS/REVISIONS TO THE ESB&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
15. 24-HOUR CONTACT PERSON RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL DEVICES AND MEASURES IS:  
 NAME: PATH FOUNDATION  
 ATTN: JONATHAN MCCAIG  
 TELEPHONE #: 404-433-1900

**NOTES:**

1. RE-FUELING TO BE DONE BY MOBILE FUELING VEHICLE. NO REFUELING SHALL BE DONE WITHIN 200 FEET OF STATE WATERS REQUIRING A BUFFER AND AS FAR AWAY FROM STORM DRAINS AS PRACTICAL. ANY SPILLS SHALL BE PROPERLY CLEANED UP IMMEDIATELY.
2. DUE TO THE NATURE OF THIS CONSTRUCTION PROJECT, CONSTRUCTION EXITS ARE NOT SPECIFICALLY LOCATED ON THE PLAN, CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE TRACKING OF MUD, DIRT, OR ROCK ONTO THE ROADWAY. THIS MAY REQUIRE THE USE OF A PORTABLE WASHOUT AREA AT THE CONTRACTORS EXPENSE.
3. DUE TO THE NATURE OF THIS CONSTRUCTION PROJECT, CONCRETE WASHOUTS ARE NOT SPECIFICALLY LOCATED ON THE PLAN, CONTRACTOR SHALL MAKE EVERY EFFORT TO PREVENT WASHOUT WATER FROM LEAVING THE SITE. THIS MAY REQUIRE THE USE OF A PORTABLE WASHOUT AREA AT THE CONTRACTORS EXPENSE.
4. Sd1-NS & Sd1-S SEDIMENT BARRIERS MAYBE EITHER SILT FENCE OR FILTER MEDIA SOCK AS PER DETAILS SHOWN ON SHEET ED-03.
5. ANY AND ALL WORK OUTSIDE THE RIGHT OF WAY SHALL REQUIRE PERMISSION FROM THE PROPERTY OWNER PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO REPAIR ALL DISTURBED SURFACES TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION CONTROL BMP'S THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL NOTIFY DESIGN PROFESSIONAL OF ANY CHANGES TO THE PLAN THAT ARE NECESSARY DURING CONSTRUCTION.

**KAIZEN COLLABORATIVE**  
 2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

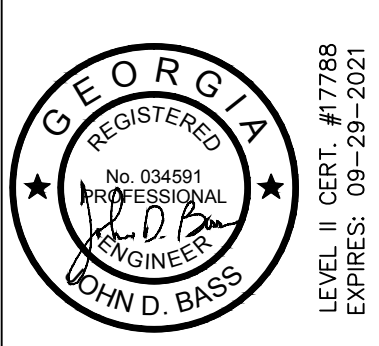
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 CARROLTON, GA 30117 FAX (770) 884-1095  
 E-MAIL: mlabon@gswest.com



DATE	DESCRIPTION

PROJECT # 2019 - 174  
 PROJECT MANAGER GGD

**LaGRANGE THREAD PHASE 5 CALUMET TO DANIEL ST LaGRANGE, GA**



**EROSION CONTROL PLAN**

SCALE 1"=30'  
 DATE MAY 10, 2019

SHEET # **EC-02**











**DEVELOPMENT REFERENCE:**

DESIGN PROFESSIONAL:  
GEORGIA AND WEST, INC.  
105 CORPORATE DRIVE  
CARROLLTON, GA 30117  
PHONE: (770) 834-4684

**24-HOUR CONTACT**

JONATHAN MCCAIG  
404-433-1900

**GENERAL NOTES:**

- NO ACTIVITIES SHALL BE CONDUCTED WITHIN THE 25- OR 50-FOOT STREAM BUFFER ALONG THE BANKS OF ALL STANDING WATER WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- EACH SECONDARY PERMITTEE WILL BE PROVIDED WITH A COPY OF THE EROSION CONTROL PLANS OR PORTIONS OF THE PLAN APPLICABLE TO THEIR SITE AND EACH SECONDARY PERMITTEE SHALL SIGN THE PLAN OR PORTION OF THE PLAN APPLICABLE TO THEIR SITE.
- ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- AFTER CONSTRUCTION, EROSION AND SEDIMENTATION WILL BE MANAGED BY STABILIZED AREA CONSISTING OF PAVED TRAIL, GRASSING, LANDSCAPING, AND OUTLET PROTECTION AT ALL STORM WATER OUTFALLS.
- MINIMIZING WIND EROSION AND CONTROLLING SILT WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
  - COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL.
  - ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND.
  - PREVENTING WATERING OF EXCAVATION AND FILL AREAS.
  - PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES.
- THIS SITE IS TO BE DEVELOPED INTO A LINEAR PARK CONSISTING OF A CONCRETE MULTI-USE TRAIL WITH LANDSCAPING, THE TOTAL SITE AREA: 1.15 ACRES (TOTAL SITE AREA INCLUDES A WIDTH OF 50' ALONG THE CENTERLINE OF THE ROAD). THE TOTAL DISTURBED AREA: 1.4 ACRES.
- PERMETER SEDIMENT CONTROL STRUCTURES ARE SHOWN TO MINIMIZE EROSION & SEDIMENTATION
- VEGETATION WILL BE INSTALLED ONSITE TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES AFTER CONSTRUCTION IS COMPLETED.

**CLEARING PHASE - PHASE I  
EROSION CONTROL NOTES:**

PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE EROSION SEDIMENT & POLLUTION CONTROL PLANS SHALL BE PRESENT ON THE SITE AT ALL TIMES.

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.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1/2" & 3/4" IN DIAMETER AND OVERLAP ON A GEOTEXTILE UNDERLAYER. THE STONE SIZE SHOULD MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.

2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM WATER DISCHARGES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.

5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.

6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

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**RETENTION OF RECORDS:**

- THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
  - A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD.
  - A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THE PERMIT.
  - THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5 OF THIS PERMIT.
  - A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT.
  - A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.G OF THIS PERMIT.
  - A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART II.D.2 OF THIS PERMIT; AND
  - DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.G.(1)(c) OF THIS PERMIT.
- COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP COPY RECORDS FOR CONTINUOUS MONITORING AND INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS GENERATED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

**DESIGN PROFESSIONAL'S CERTIFICATION:**

(1) I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002.

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

(3) I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED, I HAVE DETERMINED IN MY PROFESSIONAL JUDGMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR 100002, THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER.

PURSUANCE TO RULE 180-6.09 OF THE GEORGIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS, THE TERM "CERTIFY" OR "CERTIFICATION" RELATING TO ENGINEERING SERVICES HEREIN MEAN A SIGNED STATEMENT BASED ON FACTS AND KNOWLEDGE KNOWN TO THE ENGINEER AND IS NOT A GUARANTEE OR WARRANTY, EITHER EXPRESSED OR IMPLIED.

*John D. Bass*  
JOHN D. BASS, PE GA NO. 34591 DATE MAY 10, 2019  
LEVEL II CERTIFIED DESIGN PROFESSIONAL CERTIFICATION #17788

**EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.**

"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 GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."

**GRADING PHASE - PHASE 2  
EROSION CONTROL NOTES:**

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES, AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REPLACED IF SEDIMENT ACCUMULATION HAS REACHED THE REQUIRED CLEANOUT ELEVATION OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NECESSARY.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

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FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE EROSION CONTROL PLANS.

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THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES, AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REPLACED IF SEDIMENT ACCUMULATION HAS REACHED THE REQUIRED CLEANOUT ELEVATION OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NECESSARY.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

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