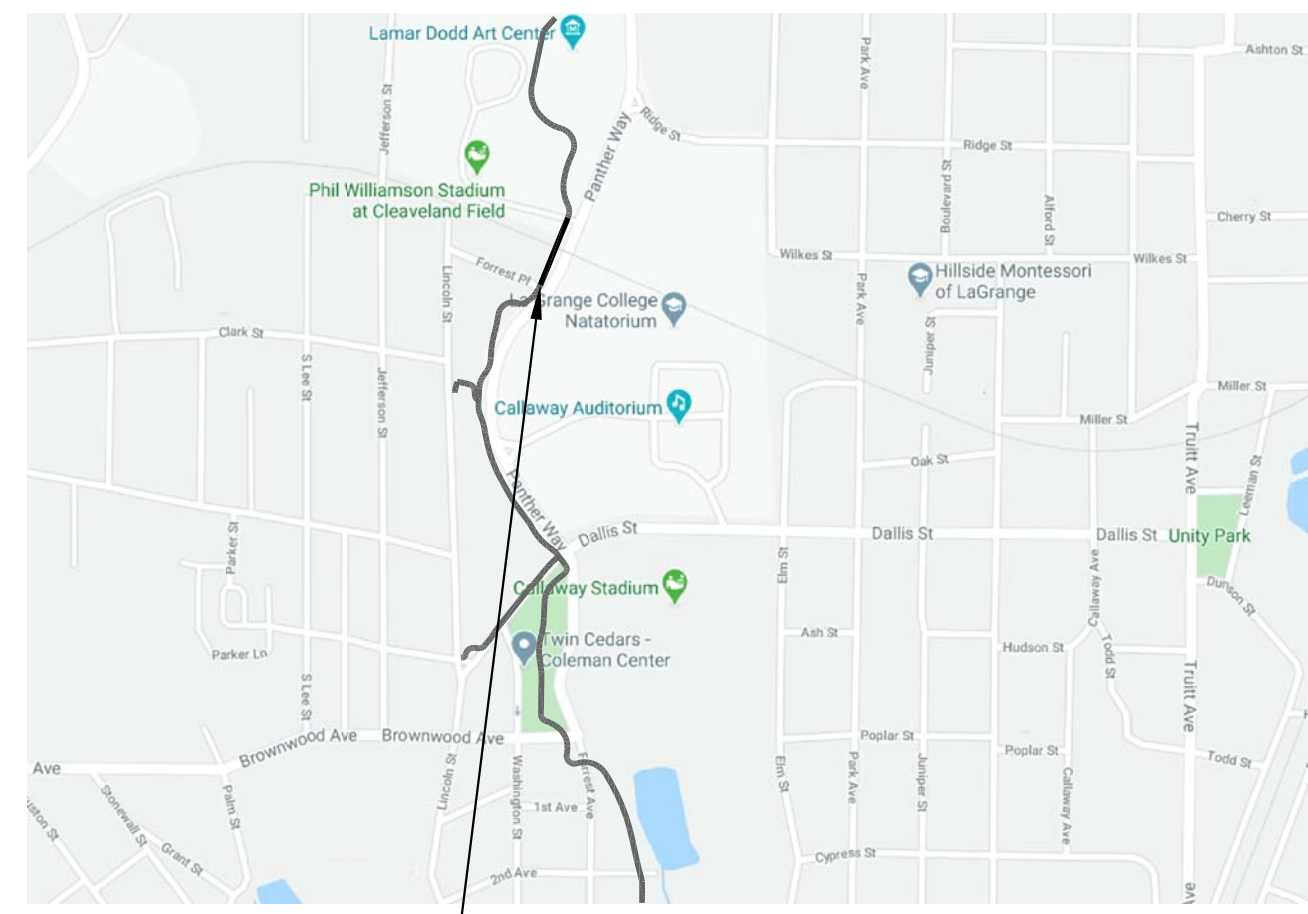


# LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK

## CITY OF LaGRANGE, GEORGIA



PROJECT SITE

### VICINITY MAP N.T.S.

LAND LOTS: 115 - 6 TH DISTRICT

ALL WORK TO BE DONE IN ACCORDANCE WITH:  
 - 2021 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 115 IN DISTRICT 6. THIS PROJECT WILL NOT REQUIRE ANY ZONING BUFFERS. THIS IS A SIDEWALK AND ROADWAY IMPROVEMENT PROJECT WHICH IS BEING BUILT ON CITY RIGHT-OF-WAY, EASEMENTS AND/OR CITY PROPERTY - THEREFORE THE PROPOSED USE OF THE PROJECT IS CONSISTENT WITH ZONING. NO DISTURBANCE IS PROPOSED WITHIN THE STATE 25' STREAM BUFFER SETBACK.

### NARRATIVE

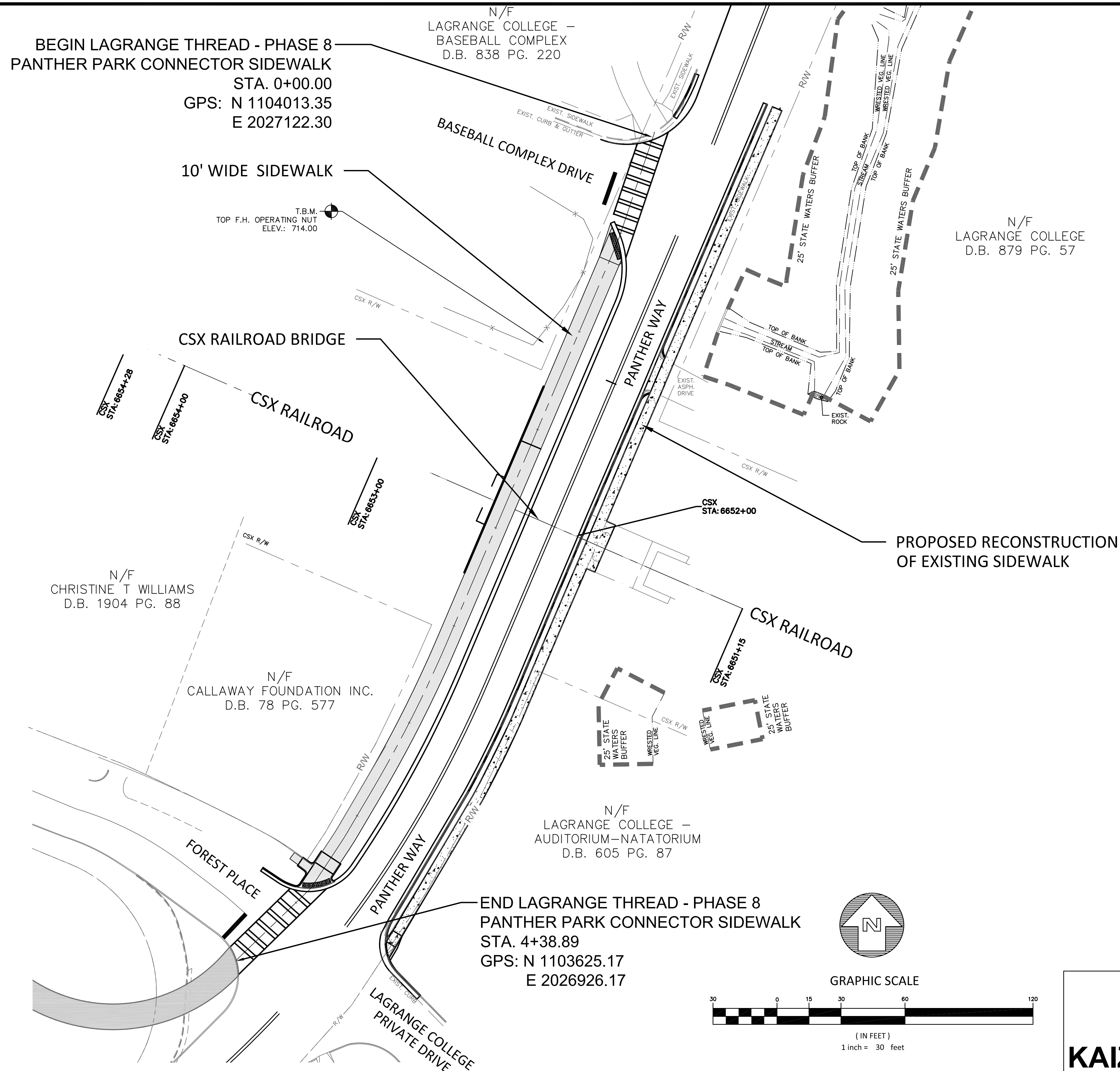
THIS PROJECT IS A LINEAR PATH PARALLEL TO PANTHER WAY, BEGINNING AT THE INTERSECTION OF LAGRANGE COLLEGE'S BASEBALL COMPLEX DRIVEWAY AND PANTHER WAY. THE SIDEWALK ALIGNS THROUGH CITY RIGHT-OF-WAY, AND TERMINATES AT THE INTERSECTION OF FORREST PLACE AND PANTHER WAY. THE PROJECT SCOPE INCLUDES APPROXIMATELY 340 LF OF CONCRETE SIDEWALK, SIDEWALK AMENITIES, & SIGNAGE. ADDITIONAL WORK ASSOCIATED WITH THE PROJECT INCLUDES ROADWAY NARROWING AND RECONSTRUCTION, MINOR DEMOLITION AND CLEARING, EROSION CONTROL, AND GRADING. THE MAIN OBJECT IS TO REPLACE THE EXISTING SIDEWALK ALONG PANTHER WAY WITH A 10' WIDE CONCRETE SIDEWALK, WHICH WILL CONNECT THE EXISTING SIDEWALKS TO THE NORTH AND SOUTH OF THE PROJECT SITE.

### OWNER/DEVELOPER (PRIMARY PERMITTEE)

CITY OF LAGRANGE  
 MEG KELSEY, CITY MANAGER  
 200 RIDLEY AVENUE  
 LAGRANGE, GA 30240  
 706-883-2010

### PROJECT MANAGEMENT

PATH Foundation, PO Box 14327, Atlanta, GA.  
 PETE PELLEGRINI - 24 HOUR CONTACT  
 GA GSWCC LEVEL 1 CERTIFICATION # 0000029813  
 12/21/2023  
 office 404-875-7284 x2 cell 404-277-5392



### ENGINEER'S CERTIFICATION STATEMENT:

With my initials at the line above and my seal and signature below, I Charles M. Abbott, a professional **Engineer**, 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: *Charles M. Abbott* Georgia Registration # **NO. 31674**

Date: **FEBRUARY 01, 2023**

GROSS LENGTH OF PROJECT: 340 LF

TOTAL SITE AREA = 0.87 ACRES  
 DISTURBED AREA = 0.7 ACRES

### INDEX OF SHEETS

- GENERAL**  
 GN-01 GENERAL NOTES
- TOPOGRAPHIC SURVEY**  
 S-01 TOPOGRAPHIC SURVEY
- TYPICAL SECTIONS**  
 TS-01 TYPICAL SECTIONS
- CONSTRUCTION PLANS**  
 CP-01 CONSTRUCTION PLAN
- ROADWAY PLANS**  
 RC-01 ROADWAY CONSTRUCTION PLAN  
 RP-01 ROADWAY CENTERLINE PROFILE
- STORM SEWER PROFILES**  
 SP-01 STORM SEWER PROFILES
- SIGNING & MARKING PLANS**  
 SMD-01 SIGNING & MARKING NOTES & DETAILS  
 SM-01 SIGNING & MARKING PLAN
- LANDSCAPE PLANS**  
 LN-01 LANDSCAPE NOTES & DETAILS  
 LP-01 LANDSCAPE PLAN
- CONSTRUCTION DETAILS**  
 CD-01 CONSTRUCTION DETAILS  
 CD-02 CONSTRUCTION DETAILS  
 CD-03 CONSTRUCTION DETAILS
- EROSION CONTROL PLANS**  
 EC-01 EROSION CONTROL PLAN  
 ED-01 EROSION CONTROL DETAILS  
 EN-01 EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES

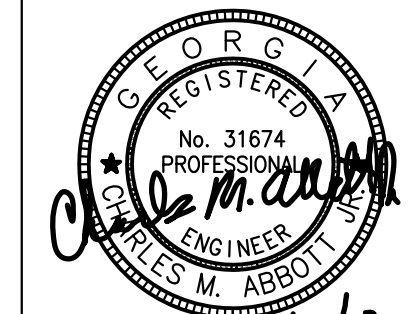
PLANS PREPARED BY:

**KAIZENCOLLABORATIVE**

2390 Main Street | Tucker, GA 30084 | 404.239.2521

**GEORGIA & WEST, INC.**  
 ENGINEERING • LAND SURVEYING • LAND PLANNING

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



LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTION SIDEWALK - CSX CROSSING  
 KAIZEN PROJECT # 2020-196 B  
 02/01/2023 - 100% I/P: ADDEN, 1 - 'SIDEWALK'

# PROJECT SITE



NOTE: NONE OF THE DISTURBED AREA IS WITHIN THE FEMA 100 YEAR FLOOD HAZARD ZONE.

## SITE DATA

TOTAL SITE AREA = 0.87 ACRE NPDES FEE = \$0 (N/A <1 AC. DISTURBANCE)  
 DISTURBED AREA = 0.7 ACRE STATE AMOUNT = \$0 (N/A <1 AC. DISTURBANCE)  
 LAND LOTS: 115 - DISTRICT 6

## PROJECT MANAGEMENT

PATH Foundation, PO Box 14327, Atlanta, GA.  
 PETE PELLEGRINI - 24 HOUR CONTACT  
 GA GSWCC LEVEL 1 CERTIFICATION # 0000029813  
 12/21/2023  
 office 404-875-7284 x2 cell 404-277-5392

## EROSION & SEDIMENT CONTROL

- 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 DISTURBANCE 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.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY THE ON-SITE INSPECTOR.
- EROSION AND SEDIMENT MEASURES AND PRACTICES TO BE INSPECTED DAILY.
- ALL INSPECTION, MONITORING, AND REPORTING SHALL BE PERFORMED AS REQUIRED BY NPDES PERMIT AND BY PROJECT EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES.

U.S. ACCESS BOARD'S GUIDELINES FOR ACCESSIBILITY STANDARDS, 2016 EDITION, TABLE 1017.7.1

Table 1017.7.1 Maximum Running Slope and Segment Length

Running Slope of Sidewalk Segment		Maximum Length of Segment
Steeper than	But not Steeper than	
1:20 (5%)	1:12 (8.33%)	200 feet (61 m)
1:12 (8.33%)	1:10 (10%)	30 feet (9 m)
1:10 (10%)	1:8 (12%)	10 feet (3050 mm)

WHERE THE RUNNING SLOPE OF A SEGMENT OF A SIDEWALK IS STEEPER THAN 1:20 (5%), THE MAXIMUM LENGTH OF THE SEGMENT SHALL BE IN ACCORDANCE WITH TABLE 1017.7.1, AND A RESTING INTERVAL COMPLYING WITH 1017.8 SHALL BE PROVIDED.

## GENERAL NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING DIMENSIONS SHOWN HEREON WITH THE CONSTRUCTION DRAWINGS AND EXISTING BUILDINGS PRIOR TO ANY CONSTRUCTION AND SHALL PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
- PROPOSED CONTOURS AND SPOT ELEVATIONS REPRESENT FINAL GRADE. PROPOSED GRADE ELEVATIONS SHOWN WITHIN PAVED AREA REPRESENT TOP OF PAVEMENT ELEVATIONS. CONTRACTOR SHALL ALLOW FOR PAVEMENT THICKNESS, TOPSOIL, BASE COURSE, SLABS, ETC. WHEN GRADING TO SUBGRADE ELEVATIONS.
- DIMENSIONS ARE TO BACK OF CURB, CENTER OF STRUCTURE AND CENTER LINE OF COLUMN LINE, UNLESS OTHERWISE NOTED. ANGLES SHOWN ON STORM AND SANITARY SEWER ARE TO CENTER OF PIPE, UNLESS OTHERWISE NOTED.
- CALL BEFORE YOU DIG 811.** THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION. BEWARE OF HIDDEN UTILITIES NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITY COMPANIES PRIOR TO EXCAVATION. IF UNCHARTED UTILITIES ARE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IMMEDIATELY FOR INSTRUCTIONS. ANY DAMAGE OR INTERRUPTION OF EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED PROMPTLY AT THE CONTRACTOR'S EXPENSE.
- PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED DISTURBANCE SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO DISTURBANCE SHALL OCCUR OUTSIDE THE LIMITS INDICATED ON THE DRAWINGS WITHOUT APPROVAL IN WRITING FROM THE PROJECT LANDSCAPE ARCHITECT.
- THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT BARRICADES, LIGHTS, WARNING SIGNS, AND OTHER TRAFFIC CONTROL METHODS ADJACENT TO EXISTING ROADWAYS AND PARKING AREAS AS MAY BE REQUIRED FOR THE PROTECTION AND SAFETY OF THE PUBLIC. ALL TRAFFIC CONTROL MEASURES UTILIZED WITHIN PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF LAGRANGE THE ANTICIPATED SCHEDULE FOR CLOSURE OF PANTHER WAY FOR ROADWAY RECONSTRUCTION. CITY OF LAGRANGE TO CREATE A DETOUR PLAN AND INSTALL SIGNAGE FOR DETOUR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL CONSTRUCTION ELEMENTS, WITH SOME FIELD ADJUSTMENTS MADE AS NECESSARY TO MEET FIELD CONDITIONS AND PROVIDED THAT SUCH ADJUSTMENT HAVE BEEN GIVEN PRIOR APPROVAL BY THE PROJECT DESIGN TEAM. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT SIDEWALK AND AMENITY CONSTRUCTION COMPLIES WITH AASHTO REQUIREMENTS, PARTICULARLY WITH RESPECT TO SIDEWALK CROSS-SLOPES AND GRADIENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY AND PERMANENT GROUNDWATER CONTROL DURING CONSTRUCTION, AS WELL AS PROVISIONS FOR CONTROLLING SURFACE WATER RUN-OFF, IN ORDER TO PREVENT PONDING IN OPEN EXCAVATIONS AND POTENTIAL UNDERMINING OF PERMANENT CONSTRUCTION FEATURES.
- EARTHWORK OPERATIONS AND SOIL COMPACTION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND DRAWINGS. PRIOR TO POURING CONCRETE, EARTHWORK SHALL BE CLEAR OF DEBRIS AND MACHINE COMPACTED. CONSTRUCTION ACTIVITIES SHALL BE MONITORED BY A GEOTECHNICAL CONSULTING FIRM APPROVED BY THE OWNER TO VERIFY THAT EARTHWORK, WALL CONSTRUCTION, AND OTHER OPERATIONS CONFORM WITH THE CONTRACT DOCUMENTS. GEOTECHNICAL SERVICES SHALL BE AT THE COST OF THE CONTRACTOR.
- THE TOPOGRAPHIC SURVEY INFORMATION HAS BEEN PROVIDED BY GEORGIA AND WEST INC., (770) 834-4694, AND IS REFERENCED TO THE GEORGIA STATE PLANE COORDINATE SYSTEM (WEST ZONE).
- DEMOLITION DEBRIS SHALL BECOME PROPERTY OF THE CONTRACTOR AND WASTE SOILS, VEGETATION, AND OTHER DELETERIOUS MATERIALS SHALL BE HAULED OFF-SITE AND BE DISPOSED OF AT AN APPROVED LOCATION IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BURNING WILL NOT BE ALLOWED ON THIS PROJECT.
- EROSION CONTROL MEASURES AND OTHER SITE ISSUES SHALL BE INSPECTED AND MAINTAINED BY CONTRACTOR THROUGHOUT CONSTRUCTION.
- ON ALL AREAS WHERE ROADWAYS, CONCRETE SIDEWALKS, RETAINING WALLS, OR OTHER STRUCTURES ARE TO BE CONSTRUCTED ON COMPACTED SUBGRADE, FOUNDATION SOILS SHALL BE REVIEWED AND APPROVED BY THE GEOTECHNICAL CONSULTING FIRM PRIOR TO THE PLACEMENT OF CONCRETE, AGGREGATE BASE, OR FILL MATERIALS.
- CONSTRUCTION ACCESS POINTS ARE APPROXIMATE LOCATIONS AND MUST BE FIELD VERIFIED AND APPROVED BY CITY OF LAGRANGE.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION, THE 2010 AMERICANS WITH DISABILITY ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN, THE ARCHITECTURAL BARRIERS ACT (ABA) ACCESSIBILITY STANDARDS, THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES, AND AS MODIFIED BY CONTRACT DOCUMENTS.
- ALL CONCRETE TO BE USED FOR THE CONSTRUCTION OF SIDEWALKS TO BE 3000 PSI CONCRETE, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH CITY OF LAGRANGE, GEORGIA AND WEST INC., PATH FOUNDATION, AND KAIZEN COLLABORATIVE PRIOR TO BEGINNING CONSTRUCTION.
- NOTICE: IT IS THE OWNER'S RESPONSIBILITY TO COMPLY WITH ALL ENVIRONMENTAL IMPACT ISSUES AND TO OBTAIN ALL NECESSARY PERMITS FROM THE APPROPRIATE GOVERNING AUTHORITIES.
- CONTRACTOR TO CONTACT KAIZEN COLLABORATIVE FOR ALL CONSTRUCTION STAKING CAD DATA.

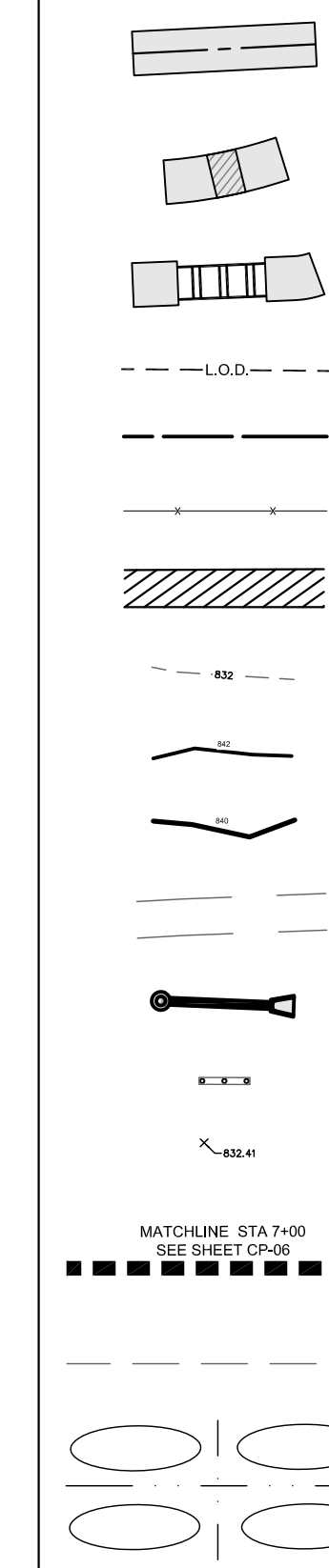
## SIDEWALK NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING MINIMUM GRADES AND NOT EXCEEDING MAXIMUM GRADES ALONG THE SIDEWALK. SIDEWALK LONGITUDINAL GRADES NOT ADJACENT TO A ROADWAY THAT EXCEED 4.9% SHALL ADHERE TO TABLE 1017.7.1 OF THE U.S. ACCESS BOARD'S GUIDELINES FOR ACCESSIBILITY STANDARDS, 2016 EDITION. SIDEWALKS ADJACENT TO A ROADWAY SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET OR HIGHWAY PER PROWAG R302.5.1. SIDEWALK CROSS SLOPE SHALL BE MINIMUM 1%, MAXIMUM 2%.
- THE LAYOUT OF THE SIDEWALK IS SHOWN IN RELATION TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LAYOUT WITH OWNER PRIOR TO CONSTRUCTION OF SIDEWALK.
- THE CONTRACTOR IS RESPONSIBLE FOR CLEARING OF ALL UNDERSTORY VEGETATION WITHIN 10' FROM CENTERLINE OF SIDEWALK. CLEARING AREA MAY INCREASE WHERE INVASIVE PLANTS ARE LOCATED. CONTRACTOR SHALL CONFIRM VEGETATION TO BE CLEARED WITH LANDSCAPE ARCHITECT AND PROJECT ENGINEER PRIOR TO CLEARING.
- ALL TREES WITHIN THE LIMITS OF DISTURBANCE AND/OR IDENTIFIED ON PLANS TO BE REMOVED SHALL BE MARKED IN THE FIELD & VERIFIED BY CITY OF LAGRANGE PRIOR TO REMOVAL. ALL DISEASED, DYING, OR DEAD TREES AND TREE LIMBS WITHIN 25' OF THE SIDEWALK EDGE SHALL BE REMOVED
- ALL SIGNING & MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION
- ALL ROADWAY PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND MEET GDOT SPECIFICATIONS UNLESS SPECIFIED OTHERWISE BY CITY. SIDEWALK PAVEMENT MARKINGS TO BE PAINT, UNLESS SPECIFIED OTHERWISE BY CITY.

## CONSTRUCTION NOTES

- SIDEWALK BACKFILL DIRT SHALL BE CLEAN, COHESIVE CLAY OR SANDY CLAY FREE OF DEBRIS, ORGANICS, DELETERIOUS MATERIAL AND ROCKS GREATER THAN 3" DIAMETER.
- DESIRABLE GRADED SLOPES ARE TO BE 3:1 (H:V) OR FLATTER. MAX CUT OR FILL SLOPES SHALL BE 2:1 (H:V), UNLESS SPECIFICALLY NOTED.
- EQUIPMENT AND MATERIALS SHALL BE STORED IN AREAS DESIGNATED BY THE OWNER. CONSTRUCTION AND STORAGE AREAS SHALL BE KEPT NEAT AND CLEAN. TREE SAVE AREAS SHALL NOT BE USED FOR STORAGE OR PARKING. EQUIPMENT AND MATERIAL SHALL NOT BE STORED WITHIN THE DRIP LINE OF TREES.
- CONTRACTOR TO VERIFY THE ELEVATIONS OF ALL TIE-IN POINTS FOR INSTALLATION OF UTILITIES, CURB & GUTTER AND PAVING.
- TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE OPTIMUM COMPACTION FOR ANY SOIL CLASSIFICATION AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-180 METHOD "A". THE TOP 2 FEET OF ALL AREAS TO RECEIVE PAVEMENT SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY. BACKFILL MATERIAL SHALL BE CLEAN AND FREE OF ROOTS, ROCK OR DELETERIOUS MATTER. CONTRACTOR SHALL CORRECT ANY DAMAGE TO CURBING OR PAVING CAUSED BY TRENCH SETTLEMENT WHICH OCCURS WITHIN 12 MONTHS OF PROJECT ACCEPTANCE.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT DESIGN TEAM OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PROMPTLY UPON DISCOVERY.
- ALL EXISTING UTILITY BOXES AND/OR COVERS THAT ARE TO REMAIN SHALL BE SET FLUSH WITH THE TOP OF THE PROPOSED GRADE.
- AREAS INTENDED TO SUPPORT PAVEMENT OR NEW FILL SHALL BE PROOF ROLLED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER TO LOCATE WEAK, SOFT OR EXCESSIVELY WET MATERIALS. AREAS WHICH PUMP WHILE PROOF ROLLED SHALL BE UNDERCUT AND BACK-FILLED AS DIRECTED BY GEOTECHNICAL ENGINEER.
- CRUSHED STONE AGGREGATE IN PAVEMENT BASE SHALL CONFORM WITH SECTION 815 OF THE STATE OF GEORGIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS. ALL ASPHALT MATERIAL AND PAVING OPERATIONS SHALL MEET APPLICABLE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF TRANSPORTATION.
- ALL FILL AREAS MUST BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR. THE TOP 2 FEET OF ALL AREAS TO RECEIVE PAVEMENT SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY. A REPORT FROM A GEOTECHNICAL ENGINEER WILL BE REQUIRED FOR ALL FILL AREAS WITHIN THE RIGHT-OF-WAY.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE ACROSS DISTURBED AREA AND INTO DRAINAGE FEATURES.

## CONSTRUCTION LEGEND



LEGEND		
1033 CATCH BASIN	OVERGROUND DOWNSPOUT	SEDIMENT BARRIER
1034 CATCH BASIN	WATER VALVE	TREE PROTECTION FENCE
1019A DROP INLET	GAS VALVE	CHAIN LINK FENCE
1011A JUNCTION BOX	HANDICAPPED PARKING	EXISTING FENCE
1018A TYPE E CURB INLET	TRAFFIC FLOW	PROPERTY LINE
1125 HEADWALL	UNDERGROUND POWER	EXISTING CONTOUR
DRAINAGE SLOPE	OVERHEAD POWER	PROPOSED CONTOUR
SEWER MANHOLE	UNDERGROUND TELEPHONE	EXISTING CURB & GUTTER
EXISTING FIRE HYDRANT	OVERHEAD TELEPHONE	PROPOSED CURB & GUTTER
PROPOSED FIRE HYDRANT	WATER	EXISTING SPOT ELEVATION
GUY POLE	SANITARY SEWER	PROPOSED SPOT ELEVATION
LAMP POST	FORCE MAIN	IRRIGATION CONTROL VALVE
UTILITY POLE	GAS	MALIBOX
UNDERGROUND DOWNSPOUT	STORM DRAIN	GAS METER
		POWER METER

TREE LEGEND			
BE = BOXELDER	CW = COTTONWOOD	MA = MAPLE	PO = POPLAR
BG = BLACK GUM	CY = CYPRESS	MG = MAGNOLIA	RB = REDBUD
BH = BEECH	DW = DOGWOOD	MI = MIMOSA	SO = SWEETGUM
BI = BIRCH	EM = ELM	O = OAK	SM = SYCAMORE
C = CEDAR	GI = GINKGO	PC = PEDAN	SW = SOURWOOD
CH = CHERRY	HB = HACKBERRY	PE = PEAR	UK = UNKNOWN
CM = CREPE MYRTLE	HK = HICKORY	PI = PINE	WA = WALNUT

**KAIZEN COLLABORATIVE**  
 2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2921

**GEORGIA & WEST, INC.**  
 ENGINEERING LAND SURVEYING LAND PLANNING  
 OFFICE (770) 834-4694 FAX (770) 834-1005  
 E-MAIL: mail@georgiandwest.com  
 105 CORPORATE DRIVE  
 CARROLLTON, GA. 30117

DATE	DESCRIPTION
01/13/2023	100% ISSUE FOR PERMIT
02/01/2023	100% IFP: ADDEN. 1 - "SIDEWALK"

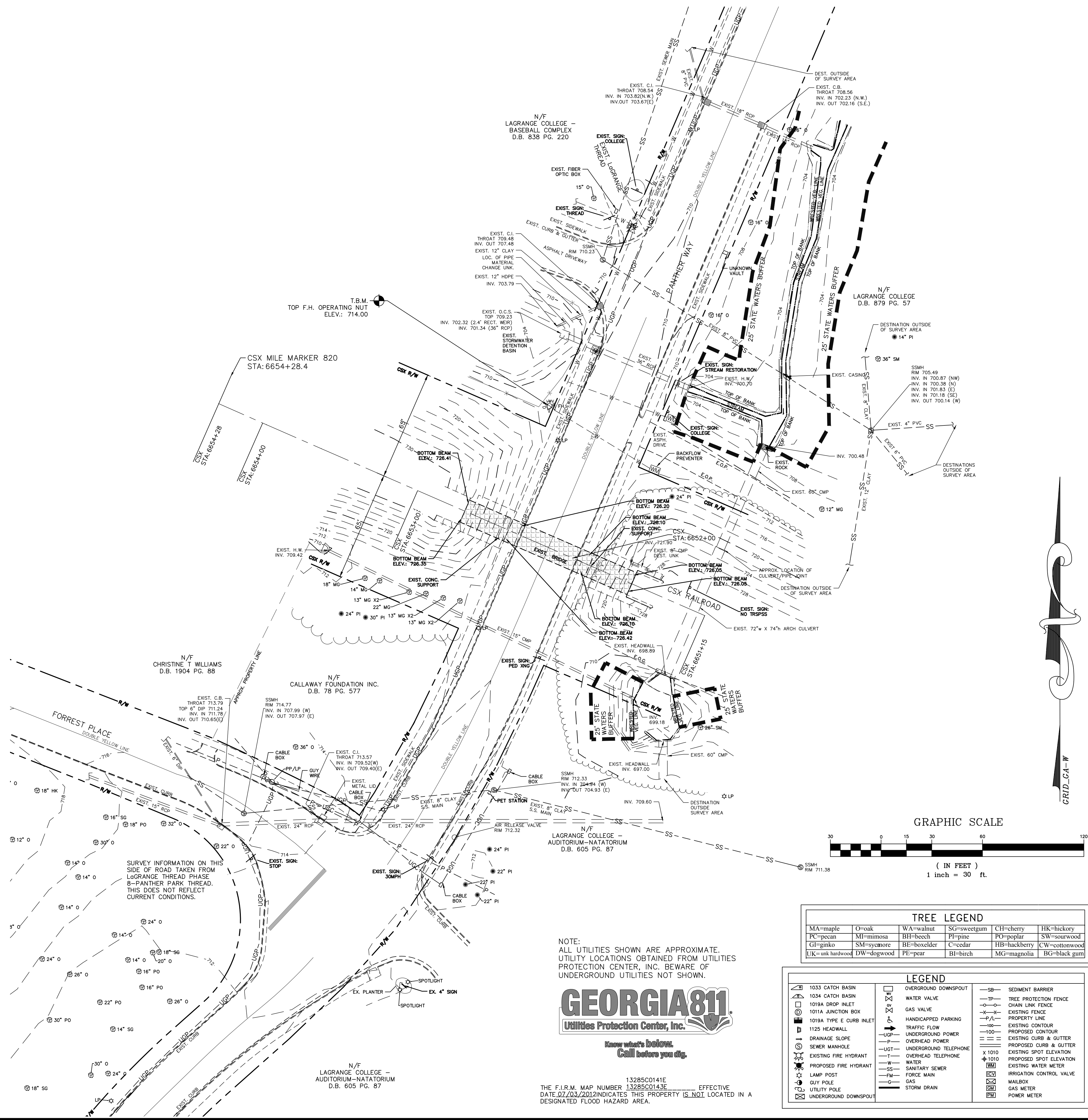
PROJECT #	2020-196 B
PROJECT MANAGER	TC

**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**

## GENERAL NOTES

SCALE	
DATE	FEBRUARY 01, 2023

SHEET #	<b>GN-01</b>
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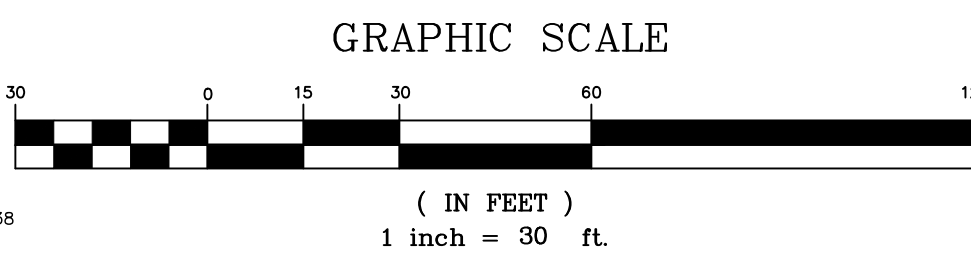


SURVEY INFORMATION ON THIS SIDE OF ROAD TAKEN FROM LAGRANGE THREAD PHASE 8 - PANTHER PARK THREAD. THIS DOES NOT REFLECT CURRENT CONDITIONS.

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

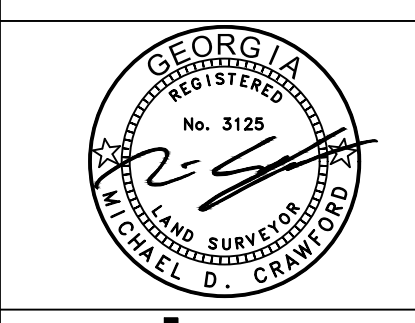


13285C0141E  
13285C0143E  
DATE: 02/03/2012 INDICATES THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD HAZARD AREA.



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=ginkgo	SM=sycamore	BE=boxelder	C=cedar
HB=hackberry	CW=cottonwood	UK=unk hardwood	DW=dogwood
PE=pear	BI=birch	MG=magnolia	BG=black gum

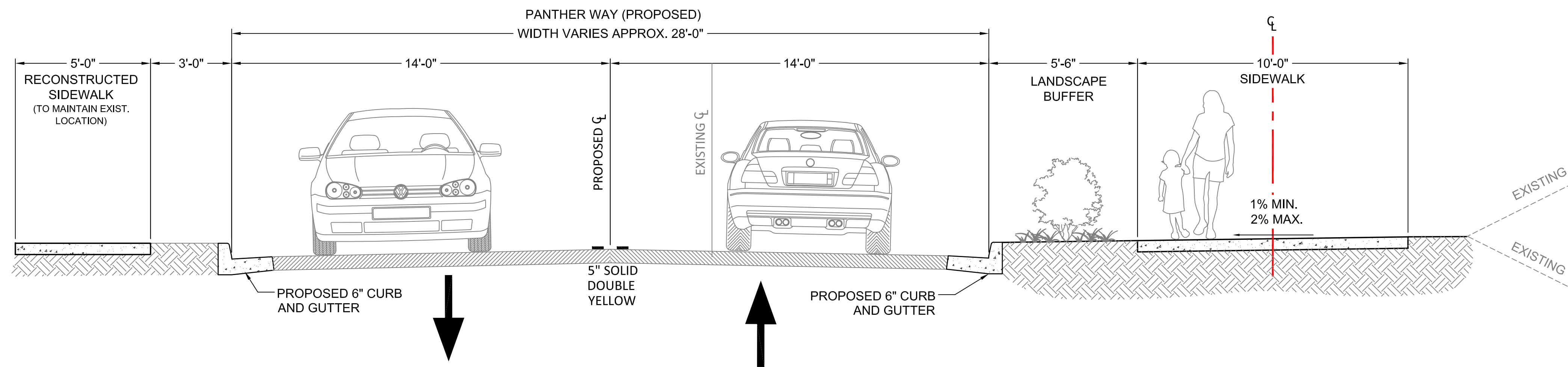
LEGEND		
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SEWER MANHOLE	UNDERGROUND TELEPHONE	CG EXISTING CURB & GUTTER
EXISTING FIRE HYDRANT	WATER	PROPOSED CURB & GUTTER
PROPOSED FIRE HYDRANT	SANITARY SEWER	X 1010 EXISTING SPOT ELEVATION
LAMP POST	FM OVERHEAD TELEPHONE	1010 PROPOSED SPOT ELEVATION
GUY POLE	WATER	WM EXISTING WATER METER
UTILITY POLE	FM SANITARY SEWER	IRI IRRIGATION CONTROL VALVE
UNDERGROUND DOWNSPOUT	FM GAS	MB MALBOX
	SD STORM DRAIN	GM GAS METER
		PM POWER METER



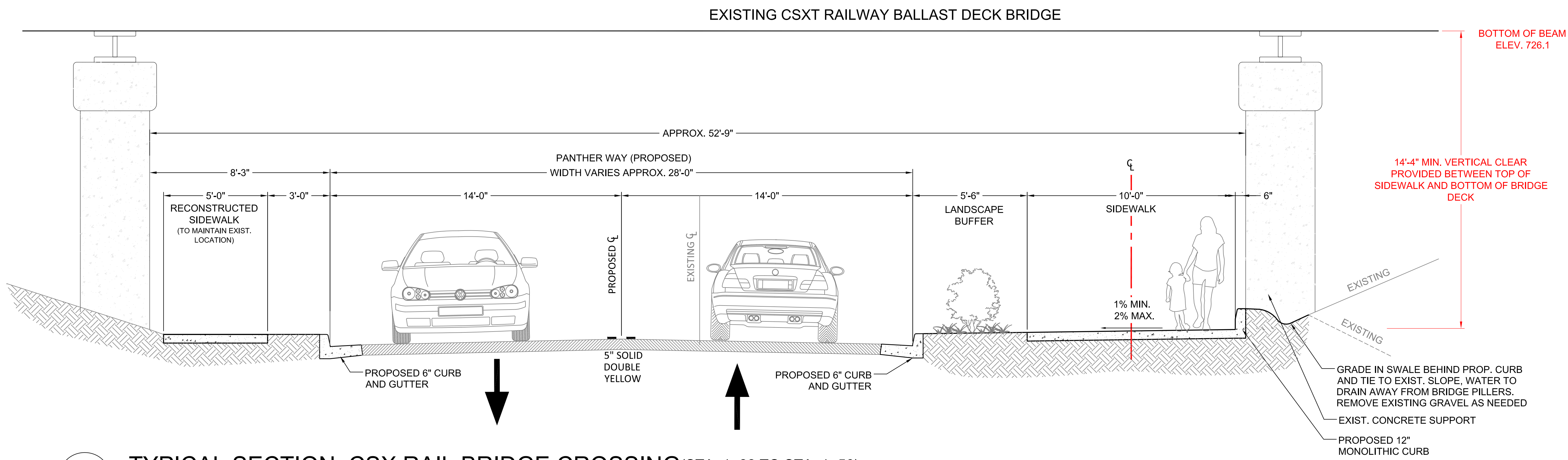
**GEORGIA & WEST, INC.**  
ENGINEERING • LAND SURVEYING • LAND PLANNING  
105 CORPORATE DRIVE  
CARROLLTON, GA. 30117  
OFFICE (770) 834-4684  
FAX (770) 834-1005  
E-MAIL: mailbox@georgiawest.com

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 PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK  
LOCATED IN LAND LOTS 115 & 142 DISTRICT 6 TROUP COUNTY, GEORGIA  
DATE: 11-28-2022  
JOB NUMBER: 202203  
DESIGNED BY: [Blank]  
SCALE: 1" = 30'  
DESCRIPTION: [Blank]



1 **TYPICAL SECTION: STANDARD SIDEWALK SECTIONS** (STA. 0+15 TO STA. 1+21 AND STA. 1+57 TO STA. 3+25)  
 TS-01 SCALE: 3/8" = 1'-0"



2 **TYPICAL SECTION: CSX RAIL BRIDGE CROSSING** (STA. 1+22 TO STA. 1+56)  
 TS-01 SCALE: 3/8" = 1'-0"

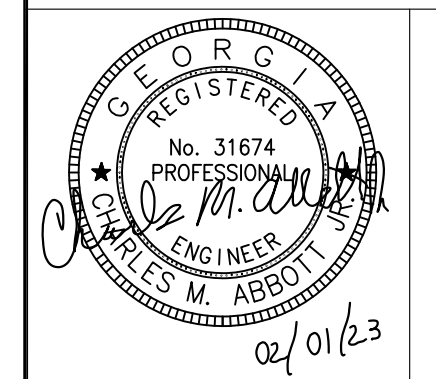
**KAIZEN COLLABORATIVE**  
 2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

**GEORGIA & WEST, INC.**  
 ENGINEERING LAND SURVEYING LAND PLANNING  
 105 CORPORATE DRIVE  
 CARROLLTON, GA 30117  
 OFFICE (770) 834-8684 FAX (770) 834-1025  
 EMAIL: mlaber@georgiawest.com

DATE	DESCRIPTION
01/13/2023	100% ISSUE FOR PERMIT
02/01/2023	100% IFP: ADDEN. 1 - "SIDEWALK"

PROJECT # 2020-196 B  
 PROJECT MANAGER TC

**LAGRANGE THREAD PHASE 8 -  
 PANTHER PARK CONNECTOR  
 SIDEWALK  
 LAGRANGE, GA**

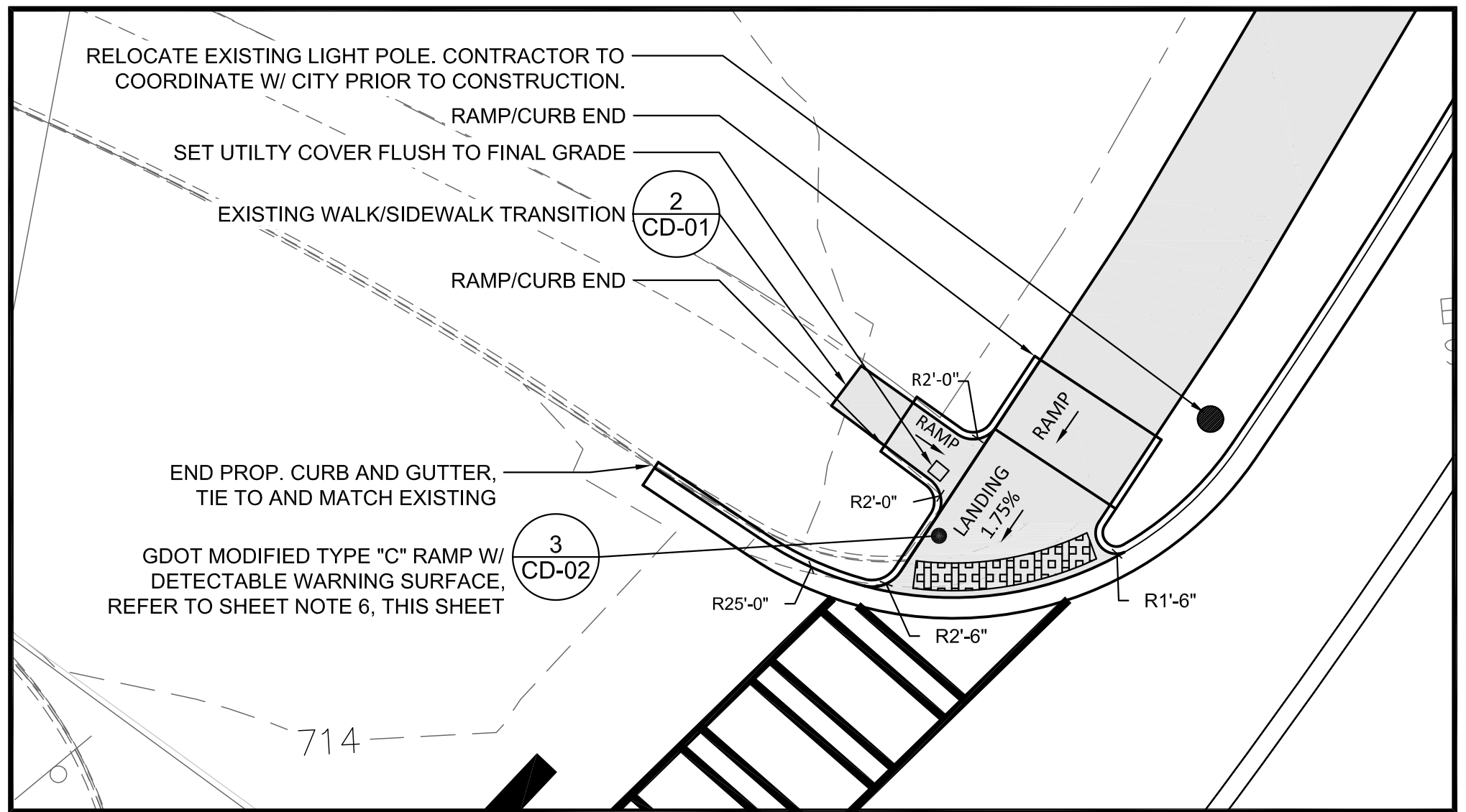


**TYPICAL SECTIONS**

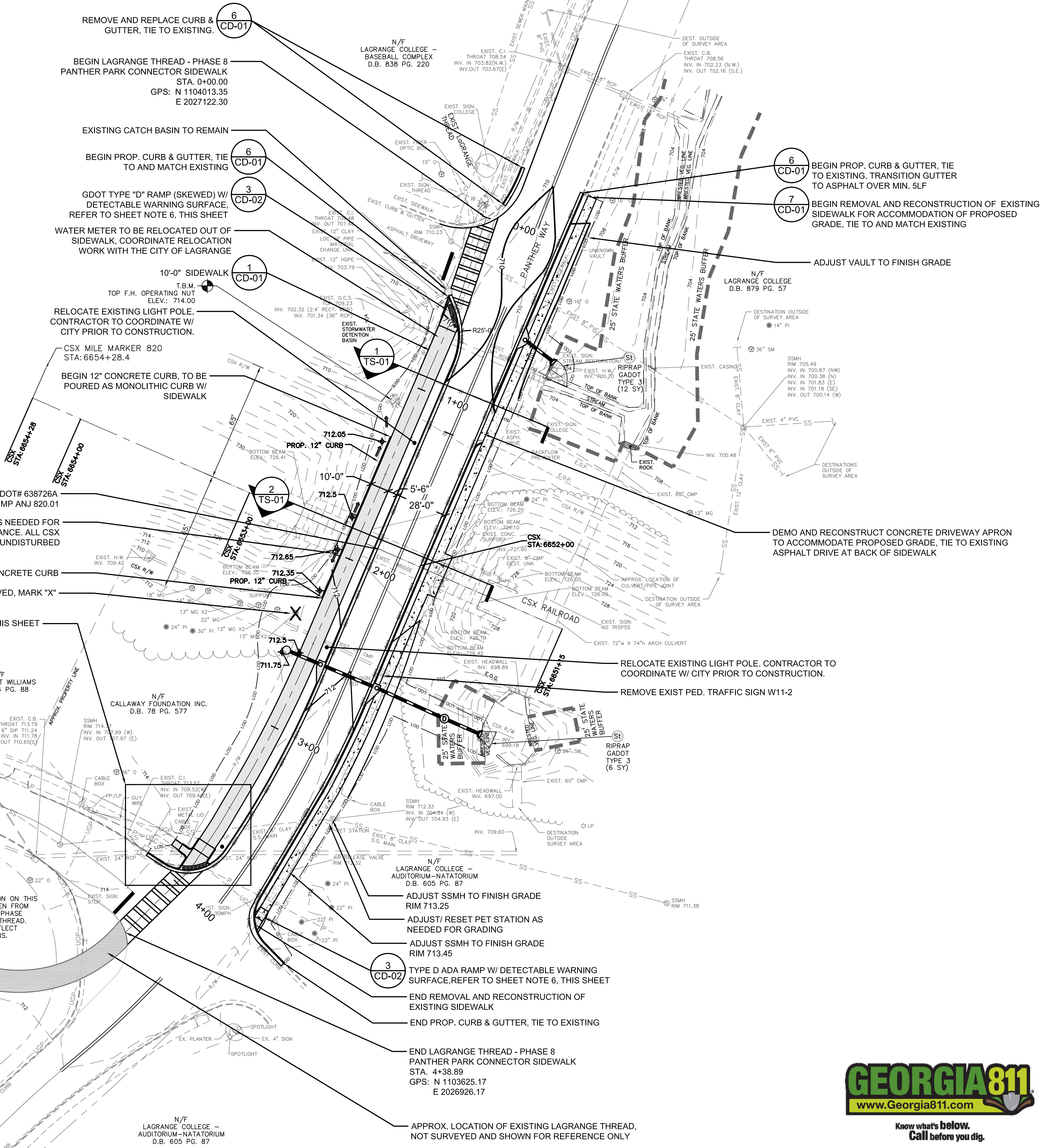
SCALE AS SHOWN  
 DATE FEBRUARY 01, 2023

SHEET # **TS-01**

- SHEET NOTES:**
1. ALL DEMOLITION WASTE SHALL BE DISPOSED OF OFF SITE AT A STATE APPROVED LANDFILL
  2. CONTRACTOR TO REQUEST CAD FILE FROM LANDSCAPE ARCHITECT FOR STAKING
  3. CONTRACTOR TO REMOVE EXISTING CONCRETE SIDEWALK DOWN TO AT MIN. EXISTING SUBBASE PRIOR TO CONSTRUCTION OF NEW SIDEWALK SURFACE.
  4. ALL CSX STRUCTURES AND UTILITIES TO REMAIN UNDISTURBED
  5. REFER TO ROADWAY PLANS FOR ALL ROADWAY MODIFICATIONS, INCLUDING CENTERLINE, STATIONING, GRADING, CONSTRUCTION NOTES AND EXTENTS OF MILLING AND PAVING AREAS. EXISTING ASPHALT TO BE SAWCUT ALONG ALL PROPOSED RECONNECTION POINTS.
  6. DETECTABLE WARNING SURFACE TO BE PAVESTONE™ ADA COMPLIANT PAVER (60MM 4"x8"), PLACE AT ALL HANDICAP RAMPS. COLOR: RIVER RED OR APPROVED EQUAL.
  7. UTILITY RELOCATION WORK (HYDRANTS AND UTILITY POLES) IS NOT INCLUDED WITHIN THIS PROJECTS SCOPE. CONTRACTOR TO COORDINATE WITH CITY OF LAGRANGE PRIOR TO CONSTRUCTION.



ENLARGEMENT "A" (PED. RAMP CONNECTION) - SCALE: 1" = 10'-0"



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DATE	DESCRIPTION
01/13/2023	100% ISSUE FOR PERMIT
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PROJECT #	2020-196 B
PROJECT MANAGER	TC

**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**

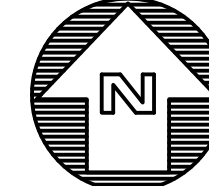
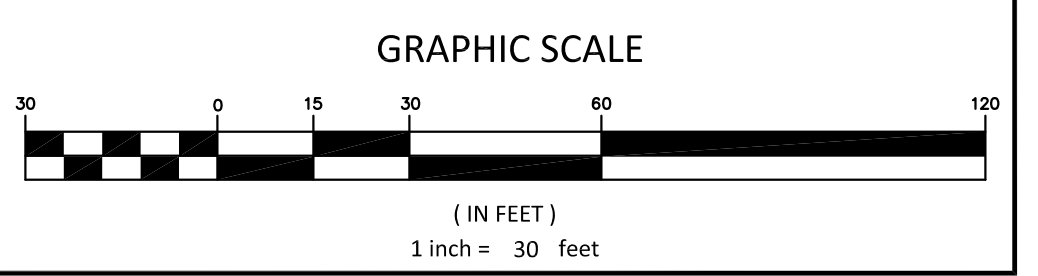
REGISTERED PROFESSIONAL ENGINEER  
No. 31674  
CHARLES M. ABBOT  
02/01/23

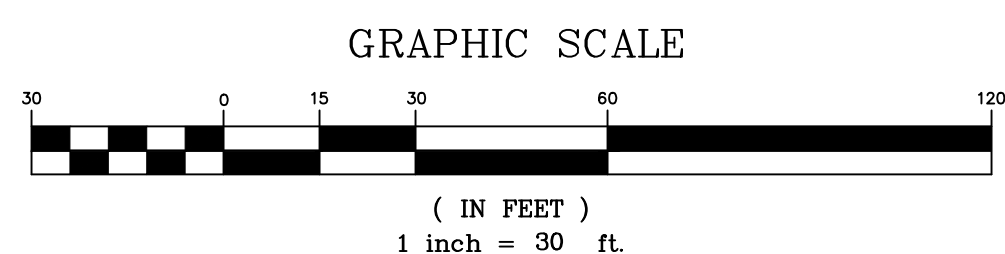
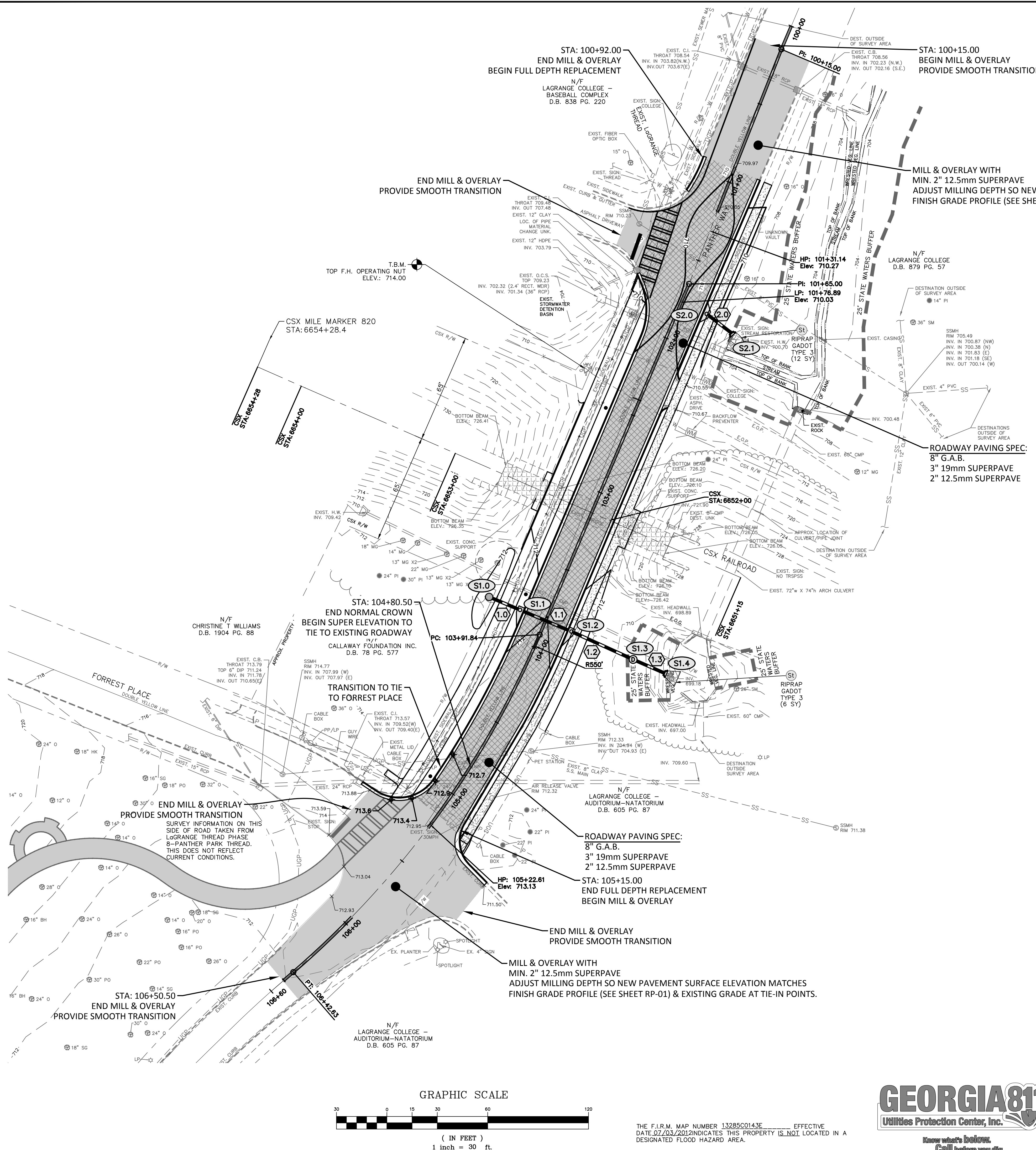
REGISTERED PROFESSIONAL ENGINEER  
No. 034591  
JOHN D. BASS

**CONSTRUCTION PLAN**

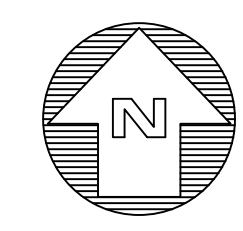
SCALE	1" = 30' - 0"
DATE	FEBRUARY 01, 2023

SHEET #	<b>CP-01</b>
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THE F.I.R.M. MAP NUMBER 13285C0143E EFFECTIVE DATE 07/03/2012 INDICATES THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD HAZARD AREA.



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 CARROLLTON, GA 30117 FAX (770) 884-1095  
 E-MAIL: rmalbor@georgiamidwest.com

DATE	DESCRIPTION
01/13/2023	100% ISSUE FOR PERMIT
02/01/2023	100% IFP: ADDEN. 1 - "SIDEWALK"

PROJECT #	2019 - 196
PROJECT MANAGER	CA

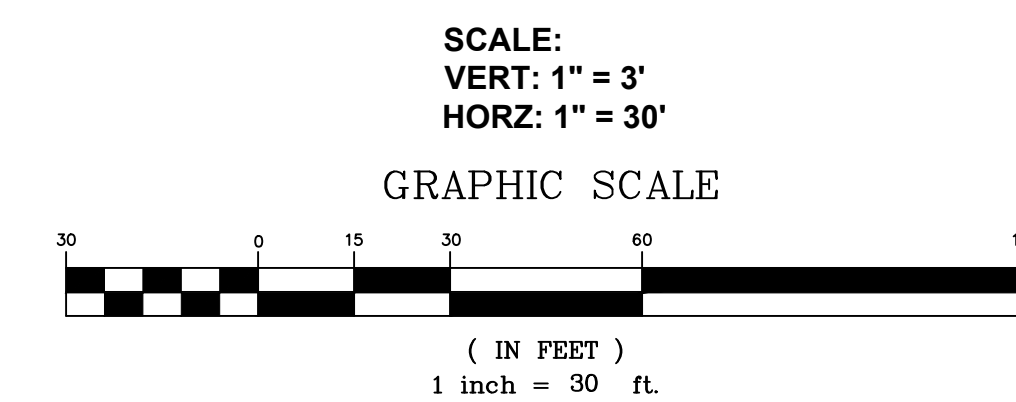
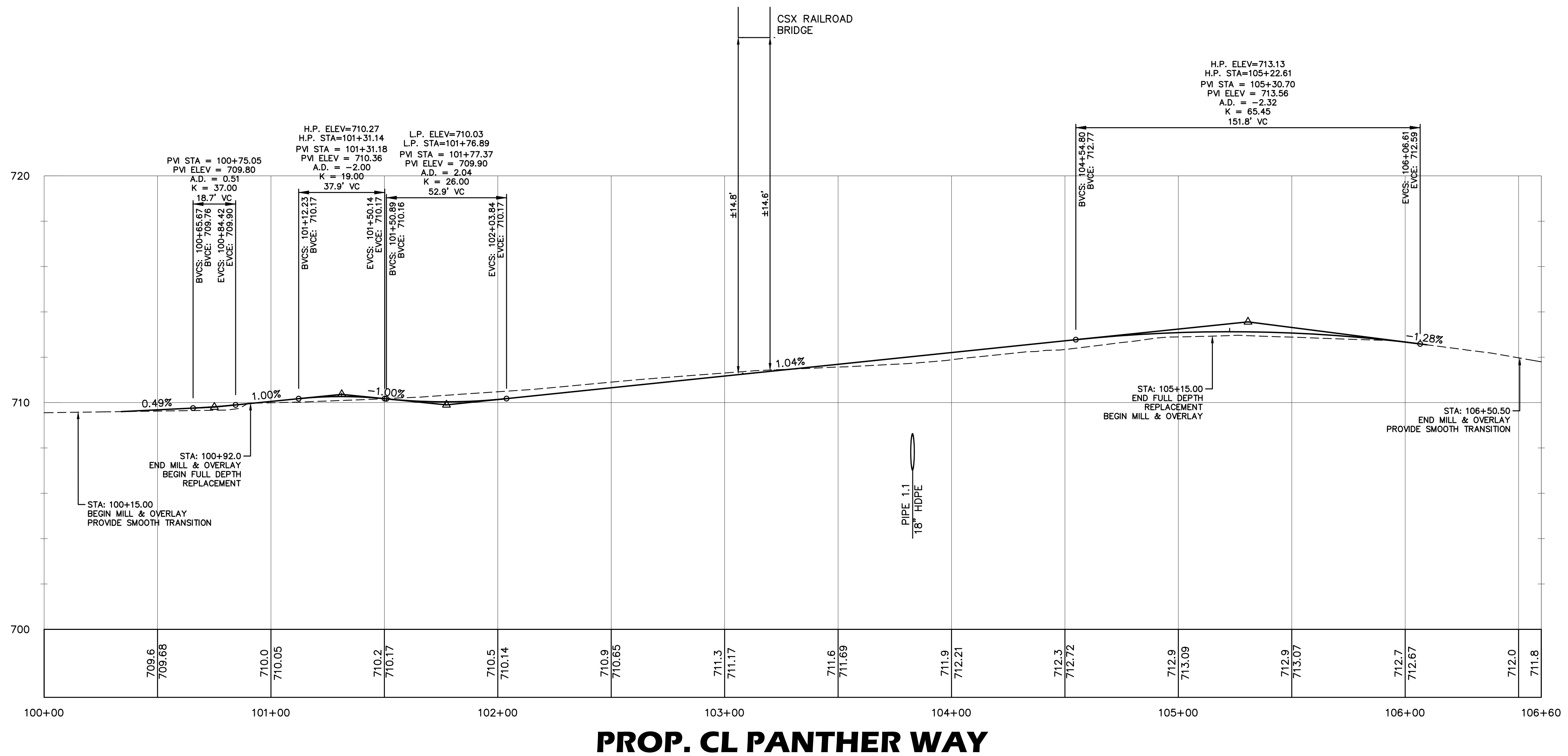
**LaGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LaGRANGE, GA**



**ROADWAY CONSTRUCTION PLAN**

SCALE	1" = 30'
DATE	JANUARY 13, 2023

SHEET #	<b>RC-01</b>
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E-MAIL: mailbox@georgiamidwest.com

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PROJECT #	2019 - 196
PROJECT MANAGER	CA

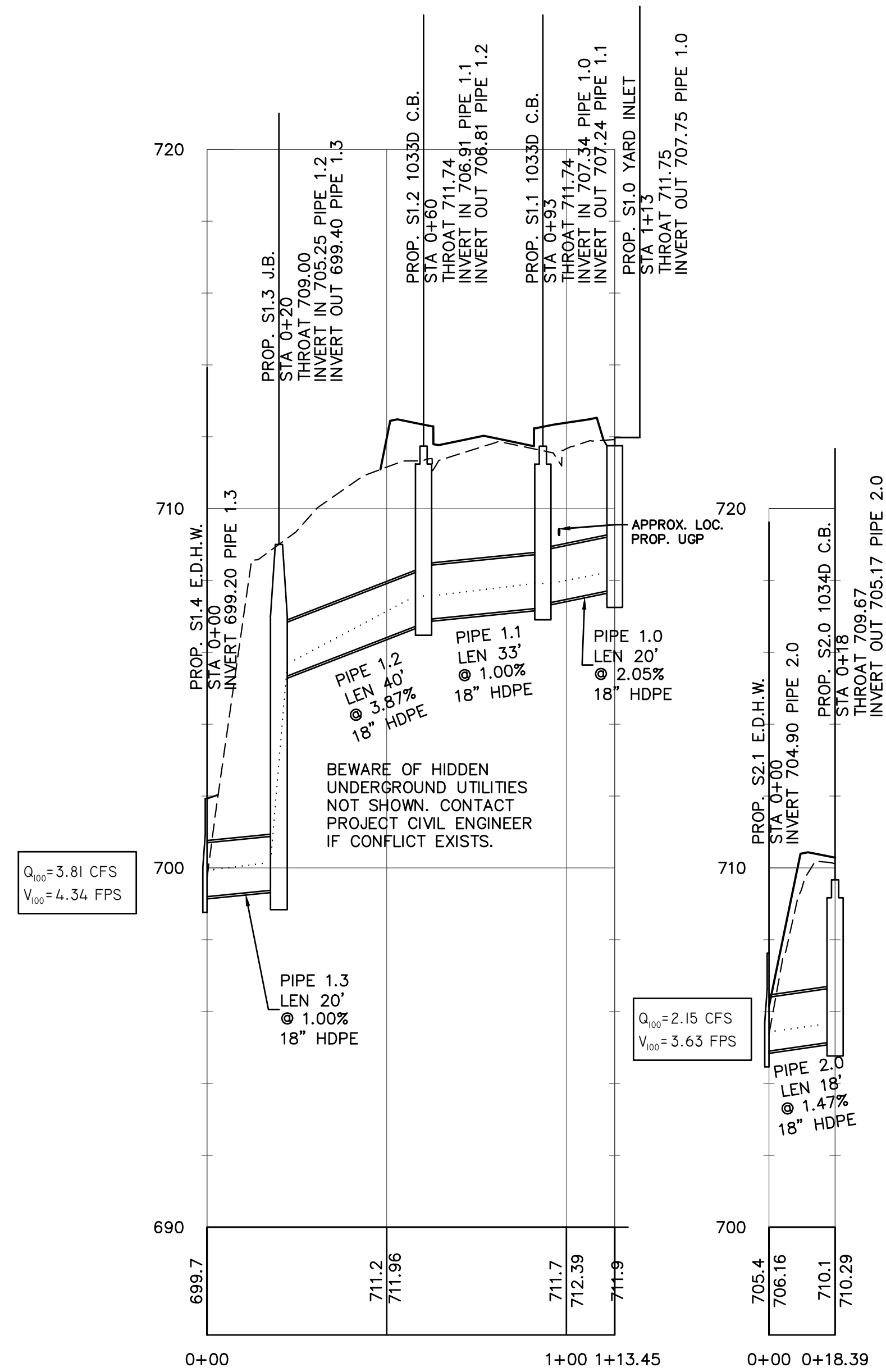
**LaGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK**  
LaGRANGE, GA



**ROADWAY CENTERLINE PROFILE**

SCALE	AS SHOWN
DATE	JANUARY 13, 2023

SHEET # **RP-01**



**STORM RUN 1 STORM RUN 2**

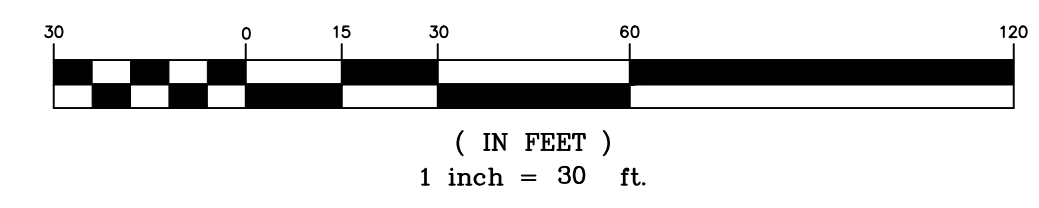
Q<sub>100</sub>=3.81 CFS  
V<sub>100</sub>=4.34 FPS

Q<sub>100</sub>=2.15 CFS  
V<sub>100</sub>=3.63 FPS

BEWARE OF HIDDEN UNDERGROUND UTILITIES NOT SHOWN. CONTACT PROJECT CIVIL ENGINEER IF CONFLICT EXISTS.

SCALE:  
VERT: 1" = 3'  
HORZ: 1" = 30'

GRAPHIC SCALE



100 YR. STORM EVENT  
HYDRAULIC GRADE LINE

- STORM SEWERS NOTES:
1. ALL STORM DRAIN PIPE SHALL BE HDPE PER GADOT SPECIFICATION 845.
  2. ALL STORM DRAIN PIPE SHALL CONFORM TO GADOT STANDARD 1030D/1030P FOR STRUCTURAL REQUIREMENTS.
  3. YARD INLETS SHALL HAVE EJ 1205Z FRAME & 1205 O2 GRATE OR APPROVED EQUAL

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DATE	DESCRIPTION
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02/01/2023	100% IFP: ADDEN. 1 - 'SIDEWALK'

PROJECT # 2019 - 196  
PROJECT MANAGER CA

**LaGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LaGRANGE, GA**

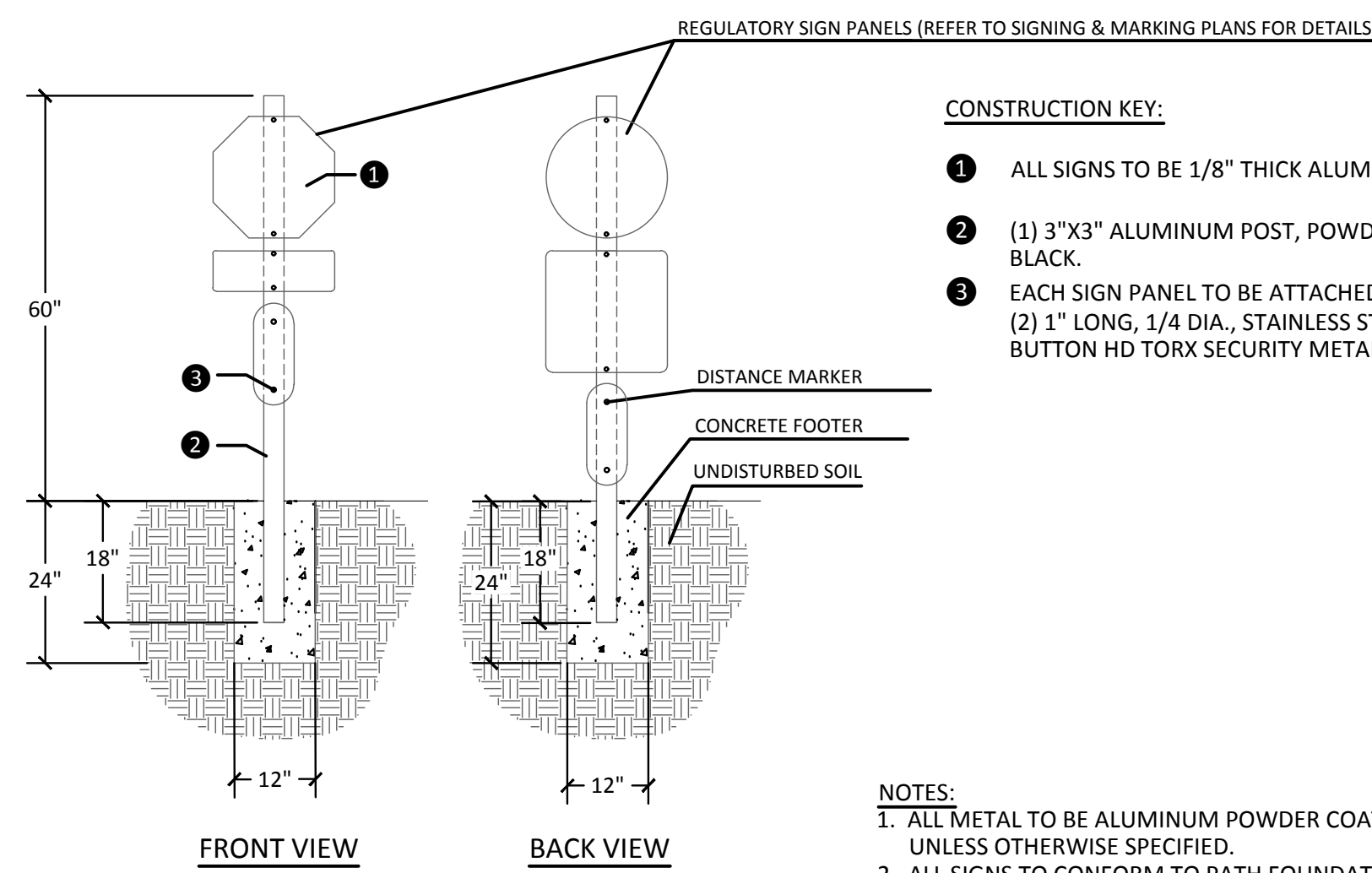


**STORM SEWER PROFILES**

SCALE AS SHOWN  
DATE JANUARY 13, 2023

SHEET # **SP-01**





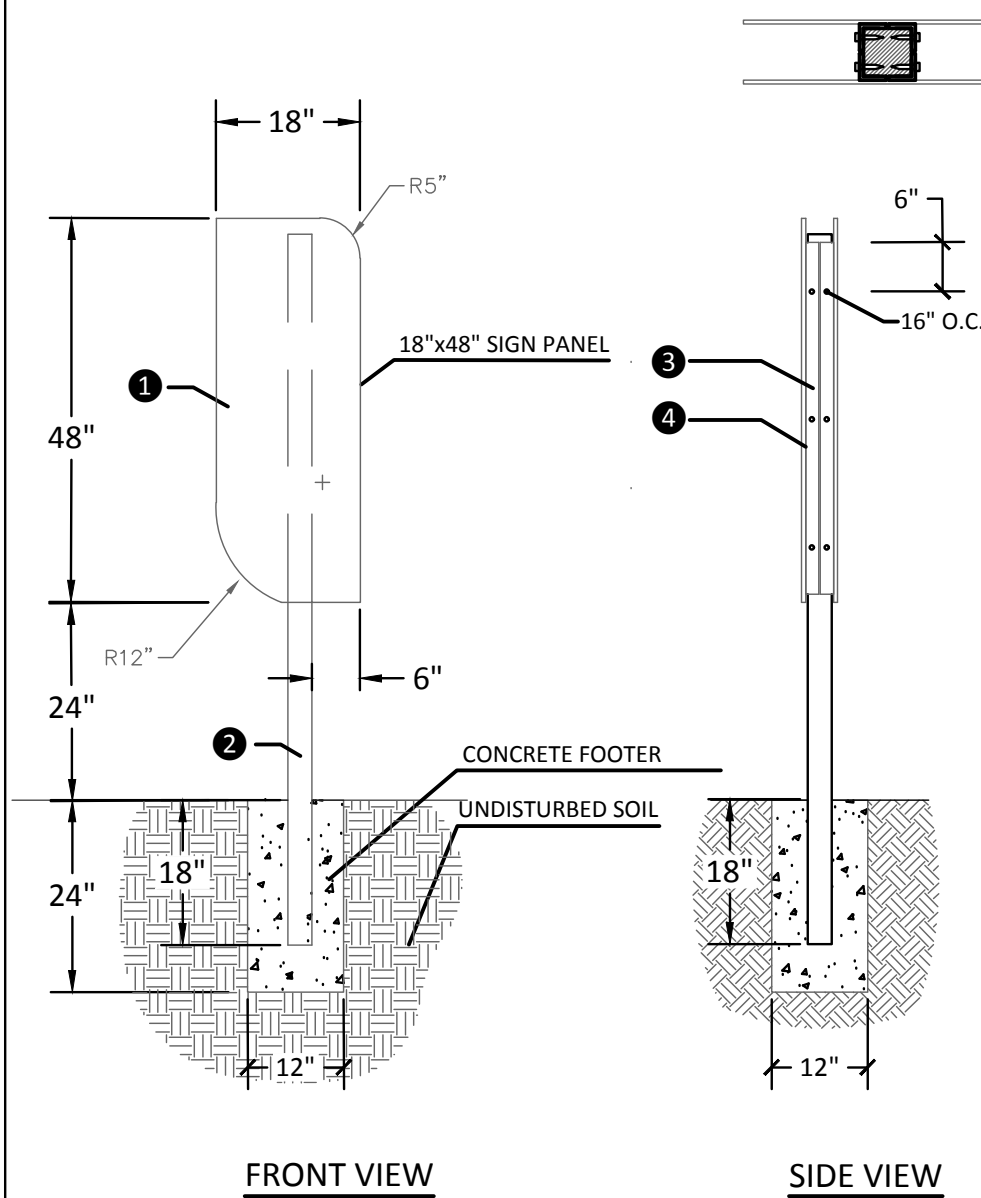
- CONSTRUCTION KEY:**
- 1 ALL SIGNS TO BE 1/8" THICK ALUMINUM PANEL.
  - 2 (1) 3"x3" ALUMINUM POST, POWDER COATED BLACK.
  - 3 EACH SIGN PANEL TO BE ATTACHED TO POST USING (2) 1" LONG, 1/4 DIA., STAINLESS STEEL #14A BUTTON HD TORX SECURITY METAL SCREW.

- NOTES:**
- 1. ALL METAL TO BE ALUMINUM POWDER COATED BLACK UNLESS OTHERWISE SPECIFIED.
  - 2. ALL SIGNS TO CONFORM TO PATH FOUNDATION SPECIFICATIONS. CONTRACTOR TO REQUEST STANDARDS IF UNKNOWN.

**1 REGULATORY SIGN**

SM-00 SCALE: 1/2" = 1'-0"

NOT IN CONTRACT



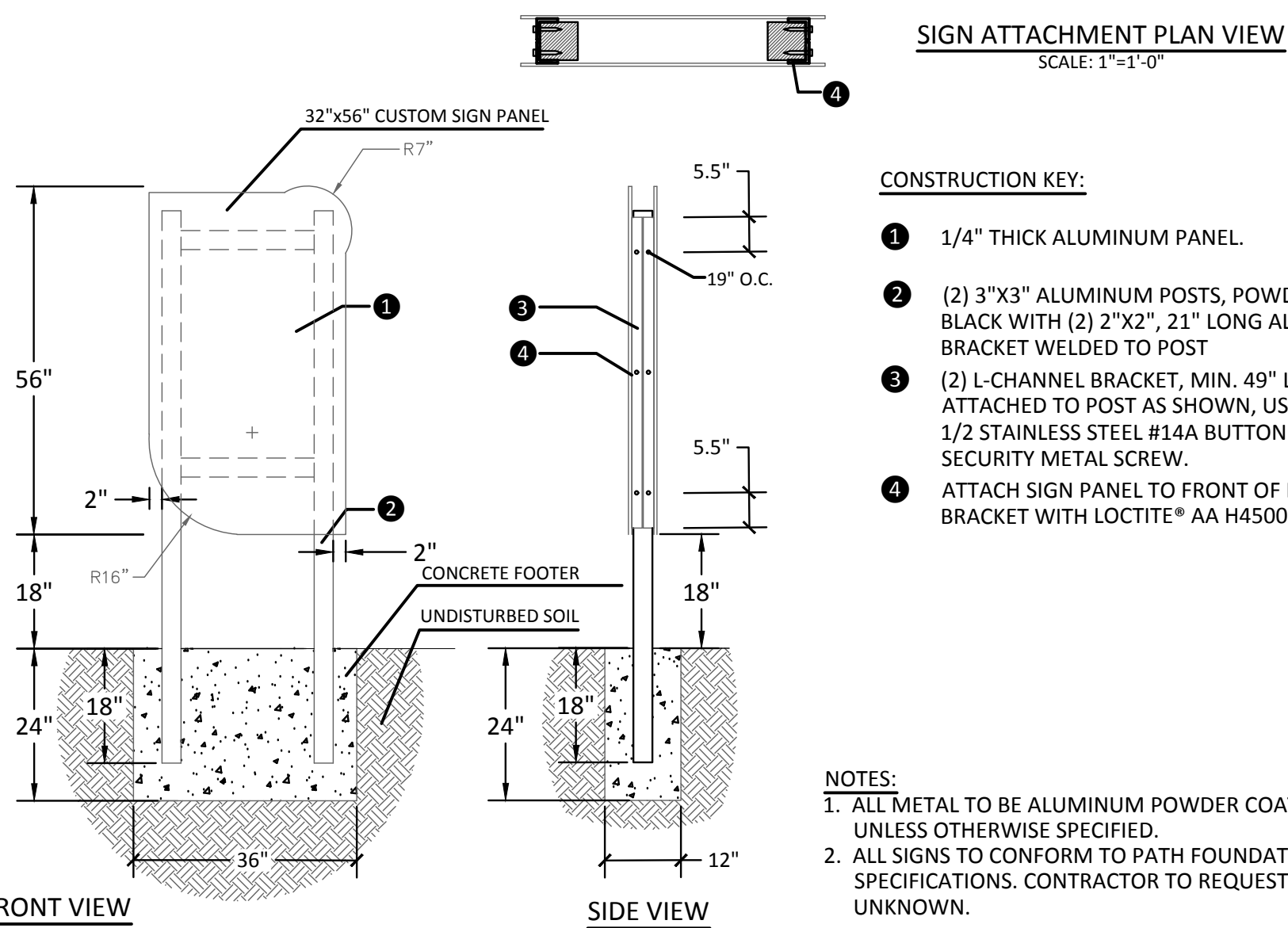
SIGN ATTACHMENT PLAN VIEW SCALE: 1"=1'-0"

- CONSTRUCTION KEY:**
- 1 1/4" THICK ALUMINUM PANEL.
  - 2 (1) 3"x3" ALUMINUM POST, POWDER COATED BLACK.
  - 3 (2) L-CHANNEL BRACKET, MIN. 38" LONG, ATTACHED TO POST AS SHOWN, USING 1.5" LONG, 1/2 STAINLESS STEEL #14A BUTTON HD TORX SECURITY METAL SCREW.
  - 4 ATTACH SIGN PANEL TO FRONT OF L-CHANNEL BRACKET WITH LOCTITE® AA H4500 ADHESIVE.

- NOTES:**
- 1. ALL METAL TO BE ALUMINUM POWDER COATED BLACK UNLESS OTHERWISE SPECIFIED.
  - 2. ALL SIGNS TO CONFORM TO PATH FOUNDATION SPECIFICATIONS. CONTRACTOR TO REQUEST STANDARDS IF UNKNOWN.

**2 DIRECTIONAL SIGN**

SM-00 SCALE: 1/2" = 1'-0"



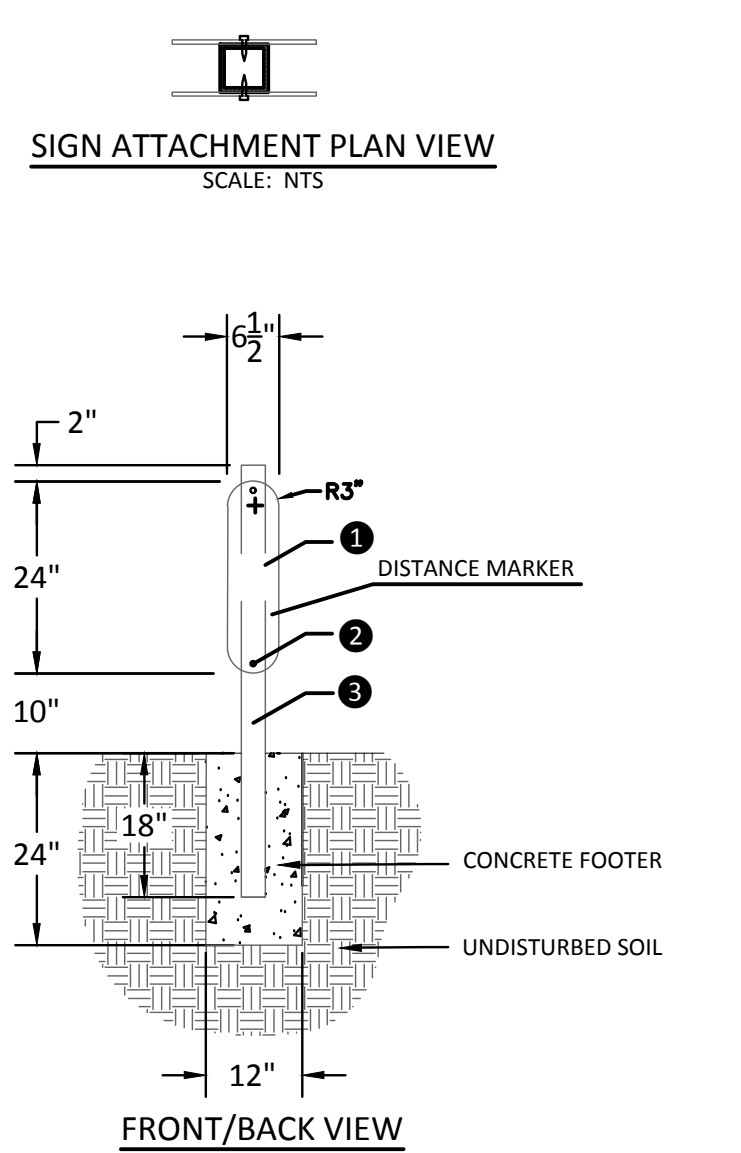
SIGN ATTACHMENT PLAN VIEW SCALE: 1"=1'-0"

- CONSTRUCTION KEY:**
- 1 1/4" THICK ALUMINUM PANEL.
  - 2 (2) 3"x3" ALUMINUM POSTS, POWDER COATED BLACK WITH (2) 2"x2", 21" LONG ALUMINUM BRACKET WELDED TO POST
  - 3 (2) L-CHANNEL BRACKET, MIN. 49" LONG, ATTACHED TO POST AS SHOWN, USING 2" LONG, 1/2 STAINLESS STEEL #14A BUTTON HD TORX SECURITY METAL SCREW.
  - 4 ATTACH SIGN PANEL TO FRONT OF L-CHANNEL BRACKET WITH LOCTITE® AA H4500 ADHESIVE.

- NOTES:**
- 1. ALL METAL TO BE ALUMINUM POWDER COATED BLACK UNLESS OTHERWISE SPECIFIED.
  - 2. ALL SIGNS TO CONFORM TO PATH FOUNDATION SPECIFICATIONS. CONTRACTOR TO REQUEST STANDARDS IF UNKNOWN.

**3 KIOSK SIGN**

SM-00 SCALE: 1/2" = 1'-0"



SIGN ATTACHMENT PLAN VIEW SCALE: NTS

- CONSTRUCTION KEY:**
- 1 1/8" THICK ALUMINUM PANEL.
  - 2 (2) DISTANCE MARKER SIGN PANELS ATTACHED TO POST USING (2) 1" LONG, 1/4 DIA., STAINLESS STEEL #14A BUTTON HD TORX SECURITY METAL SCREW.
  - 3 (1) 3"x3" ALUMINUM POST, POWDER COATED BLACK.

- NOTES:**
- 1. ALL METAL TO BE ALUMINUM POWDER COATED BLACK UNLESS OTHERWISE SPECIFIED.
  - 2. ALL SIGNS TO CONFORM TO PATH FOUNDATION SPECIFICATIONS. CONTRACTOR TO REQUEST STANDARDS IF UNKNOWN.
  - 3. SIGN PANEL DIMENSIONS SHOWN FOR STAND-ALONE DISTANCE MARKER ONLY. REFER TO SIGNING AND MARKING PLANS FOR DETAILS

**4 DISTANCE MARKER**

SM-00 SCALE: 1/2" = 1'-0"

**PATH FOUNDATION SIGN SPECIFICATIONS**

- ALUMINUM SIGN BLANKS SHOULD MEET REQUIREMENTS OF GEORGIA DOT SECTION 912--SIGN BLANKS AND PANELS. ALL SIGNS TO BE MADE WITH AT LEAST 0.125-INCH THICK ALUMINUM USING METAL THAT MEETS THE REQUIREMENTS OF ASTM B 209 (B 209M), ALLOY 6061-T-6 OR 5052-H38.
- SIGNS LOCATED WITHIN RIGHT-OF-WAY SHALL USE RETROREFLECTIVE VINYL WITH AT LEAST 10-YEAR LIFE EXPECTANCY AND FOLLOW THE FEDERAL HIGHWAY ADMINISTRATION (FHA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SPECIFICATIONS. PLEASE SEE THE FOLLOWING TABLE FOR RECOMMENDED PRODUCTS FOR RETROREFLECTIVE VINYL SIGNS WITHIN THE RIGHT-OF-WAY:

RETRO REFLECTIVE VINYL PRODUCT NAME	LIFE EXPECTANCY
3M™ High Intensity Reflective Sheeting	10YR
ORALITE® 5800 High Intensity Grade Reflective Sheeting	10YR
OTHER PRODUCTS MUST BE APPROVED BY PATH PROJECT MANAGEMENT BEFORE USE	AT LEAST 10YR

ALL REFLECTIVE SIGNS MUST INCLUDE ANTI-GRAFFITI LAMINATE OF AT LEAST 10-YEAR LIFE EXPECTANCY. PLEASE SEE THE FOLLOWING TABLE FOR RECOMMENDED PRODUCTS FOR ANTI-GRAFFITI LAMINATE:

ANTI-GRAFFITI FILMS: PRODUCT NAME	LIFE EXPECTANCY
3M™ Protective Overlay Film Series 1160	10YR
OTHER PRODUCTS MUST BE APPROVED BY PATH PROJECT MANAGEMENT BEFORE USE	AT LEAST 10YR

- ALL SIGNS MUST HAVE AT LEAST 10-YEAR LIFE EXPECTANCY, INCLUDING ANY CUSTOM TEXT AND GRAPHICS ON SIGNS. IF SIGN INCLUDES CUSTOM TEXT AND GRAPHICS ON ONLY ONE FACE, THEN THE BACK PANEL MUST BE BLACK WITH AT LEAST 10-YEAR LIFE EXPECTANCY. PLEASE SEE THE FOLLOWING TABLE FOR RECOMMENDED PRODUCTS FOR CUSTOM TEXT AND GRAPHICS:

CUSTOM TEXT AND GRAPHICS: PRODUCT NAME	LIFE EXPECTANCY
Direct Print to Aluminum with Grip Gard BC System with satin, anti-graffiti clear-coat	10YR
OTHER PRODUCTS MUST BE APPROVED BY PATH PROJECT MANAGEMENT BEFORE USE	AT LEAST 10YR

- ALL SIGNS MUST BE PRINTED WITH NAME BRAND INKS FROM THE PRINTING EQUIPMENT MANUFACTURER FOR THE PRINTER USED TO CREATE THE SIGN.
- ON STANDARD SIGNS, THE BLACK BORDER IS INSET 3/8" FROM EACH EDGE. THE THICKNESS OF THE BLACK BORDER IS ALSO 1/4", OR 18 POINT. SIGNS AT OR LARGER THAN 24" X 36" MAY COME FROM THE ARCHITECTURAL FIRM WITH LARGER BORDERS. THESE BORDERS MUST BE CONSISTENT ON ALL FOUR EDGES AND MATCH STANDARD DIE CUT CURVES ON THE CORNERS.
- PATH GREEN IS 85 - 20 - 69 - 4 IN CMYK VALUES. YELLOW ON PATH SIGNS IS 0 - 15 - 100 - 0. OTHER COLORS WILL BE DETERMINED FROM THE VECTOR FILES IN THE SIGN MATRIX.

**SIGN MANUFACTURERS:**

- SIGN MANUFACTURER CONTACT TO BE APPROVED BY THE CITY.

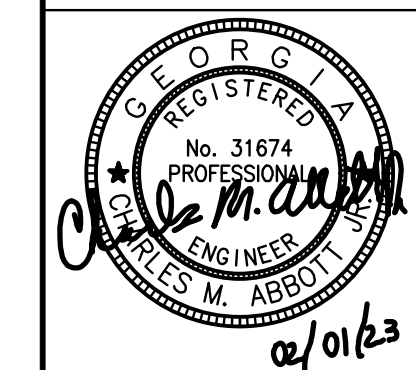
**KAIZEN COLLABORATIVE**  
2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

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E-MAIL: mail@georgiawest.com

DATE	DESCRIPTION
01/13/2023	100% ISSUE FOR PERMIT
02/01/2023	100% IFP: ADDEN. 1 - "SIDEWALK"

PROJECT #	2020-196 B
PROJECT MANAGER	TC

**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**



**SIGNING & MARKING NOTES & DETAILS**

SCALE	AS SHOWN
DATE	FEBRUARY 01, 2023

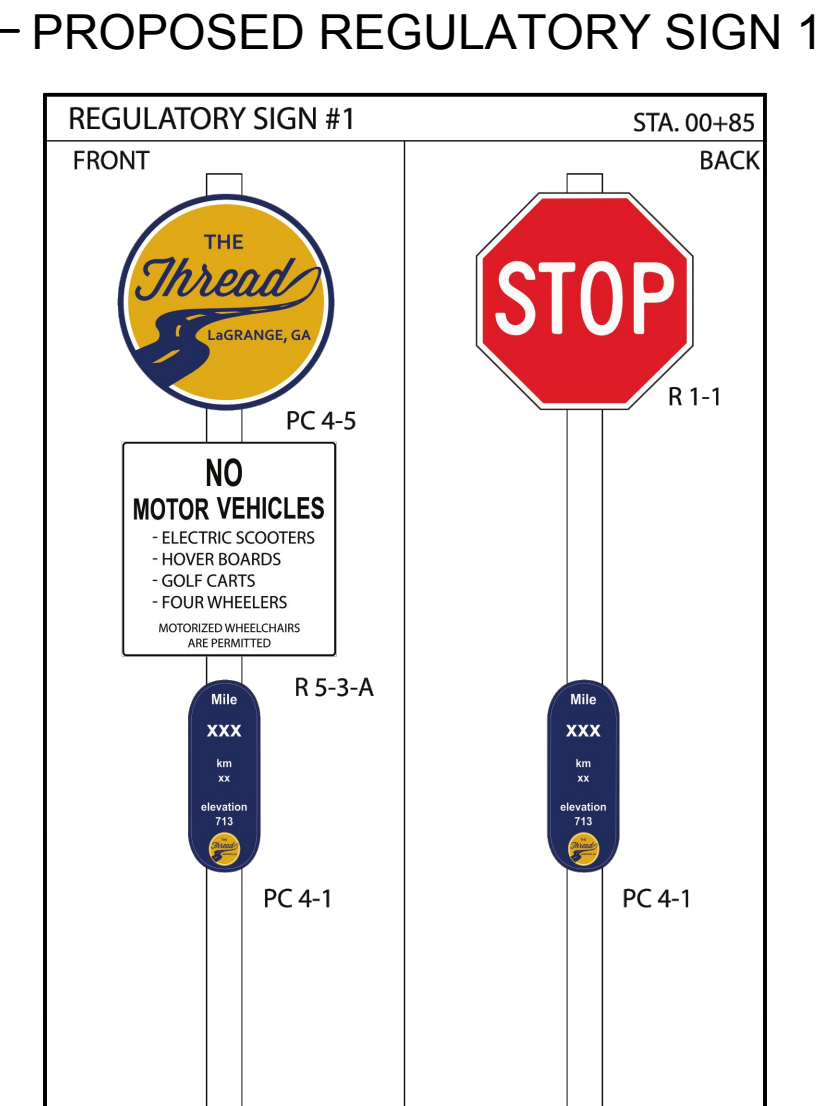
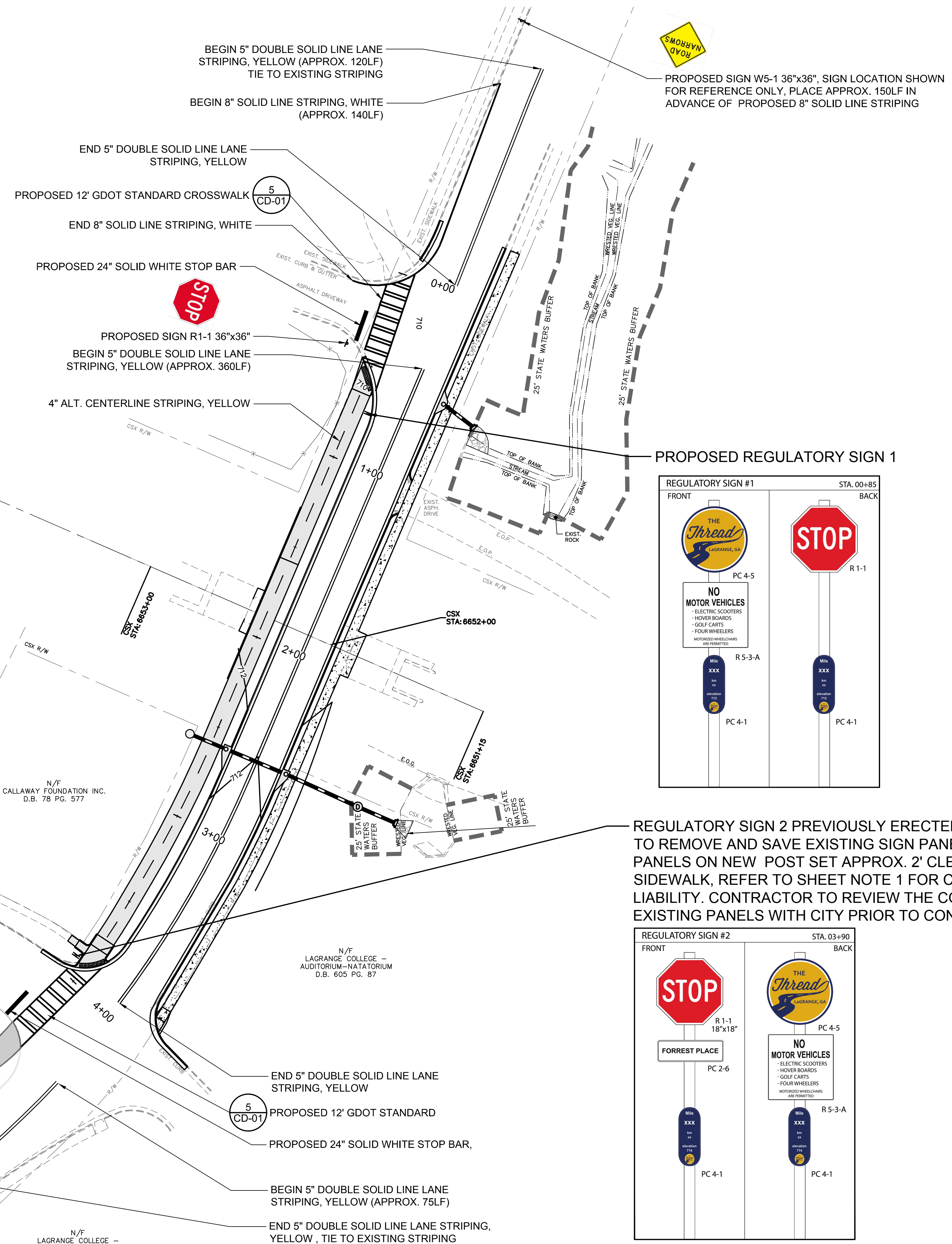
SHEET # **SMD-01**

**SHEET NOTES:**

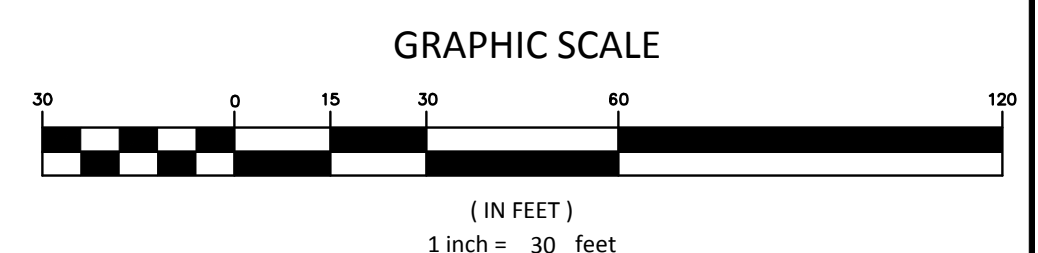
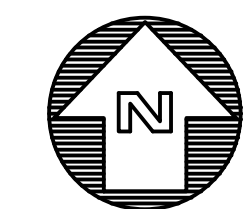
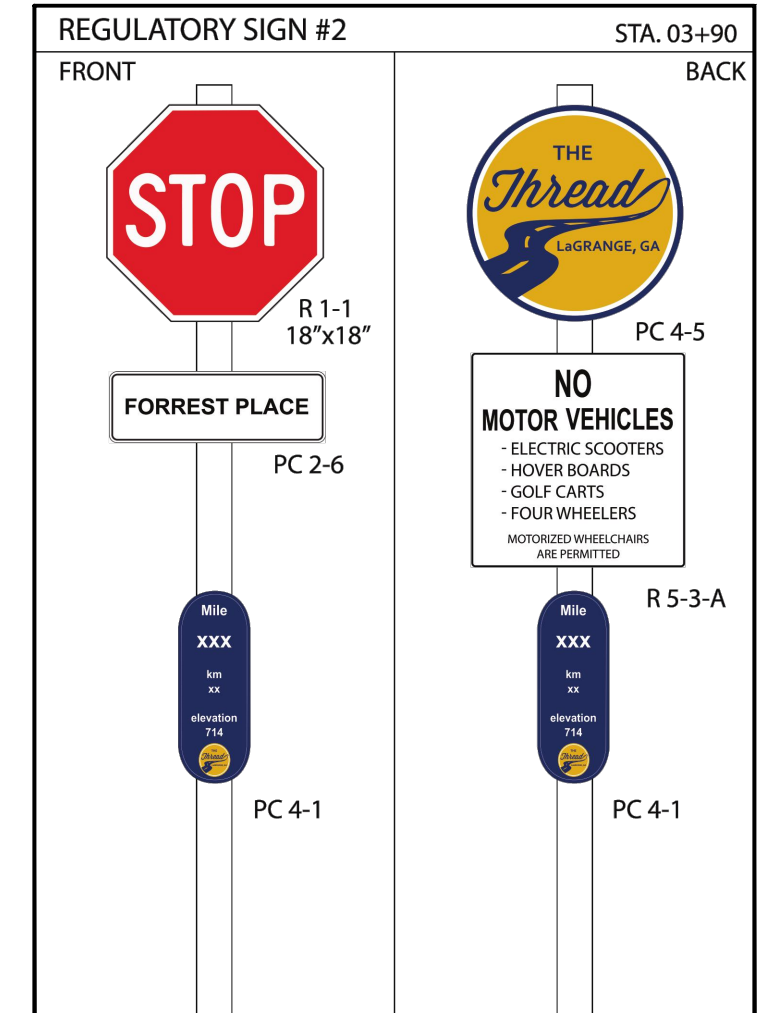
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL SIGN PANELS OF REGULATORY SIGN 2. THE CONTRACTOR SHALL BARE ALL COST ASSOCIATED WITH THE REPLACEMENT OF DAMAGED PANELS DUE TO CONSTRUCTION AND/OR CONTRACTOR'S NEGLIGENCE
- MUTCD SIGN PLACEMENTS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MUTCD CURRENT EDITION.
- ALL EXISTING ROAD SIGNS WITHIN SIDEWALK CORRIDOR TO BE RELOCATED TO MIN. 2' OFF SIDEWALK EDGE, CONTRACTOR TO COORDINATE WITH CITY ON RELOCATION PLACEMENT OF SIGNS WHERE LANDSCAPE BUFFER IS LESS THAN 3'-0" WIDE
- ALL NEW ROAD STRIPING AND GDOT STD. CROSSWALK STRIPING TO BE THERMOPLASTIC ON ASPHALT

**CUSTOM SIGN NOTES:**

- REFER TO SHEET SMD-01 FOR CUSTOM SIGN DETAILS AND SPECIFICATIONS.
- ALL SIDEWALK REGULATORY SIGNS TO BE FIELD LOCATED BY PROJECT MANAGER FOR FINAL LOCATION.
- ALL SIGNS SHALL BE LOCATED 2'-0" CLEAR FROM EDGE OF SIDEWALK 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.



REGULATORY SIGN 2 PREVIOUSLY ERECTED. CONTRACTOR TO REMOVE AND SAVE EXISTING SIGN PANELS. ATTACH PANELS ON NEW POST SET APPROX. 2' CLEAR FROM EDGE OF SIDEWALK, REFER TO SHEET NOTE 1 FOR CONTRACTOR'S LIABILITY. CONTRACTOR TO REVIEW THE CONDITION OF EXISTING PANELS WITH CITY PRIOR TO CONSTRUCTION



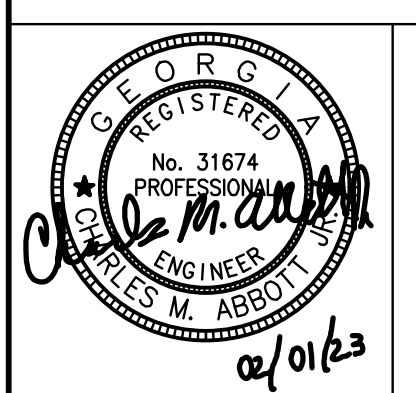
**KAIZEN COLLABORATIVE**  
2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

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PROJECT #	2020-196 B
PROJECT MANAGER	TC

**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**



**SIGNING & MARKING PLAN**

SCALE	1" = 30' - 0"
DATE	FEBRUARY 01, 2023

SHEET # **SM-01**

**GENERAL PLANTING NOTES**

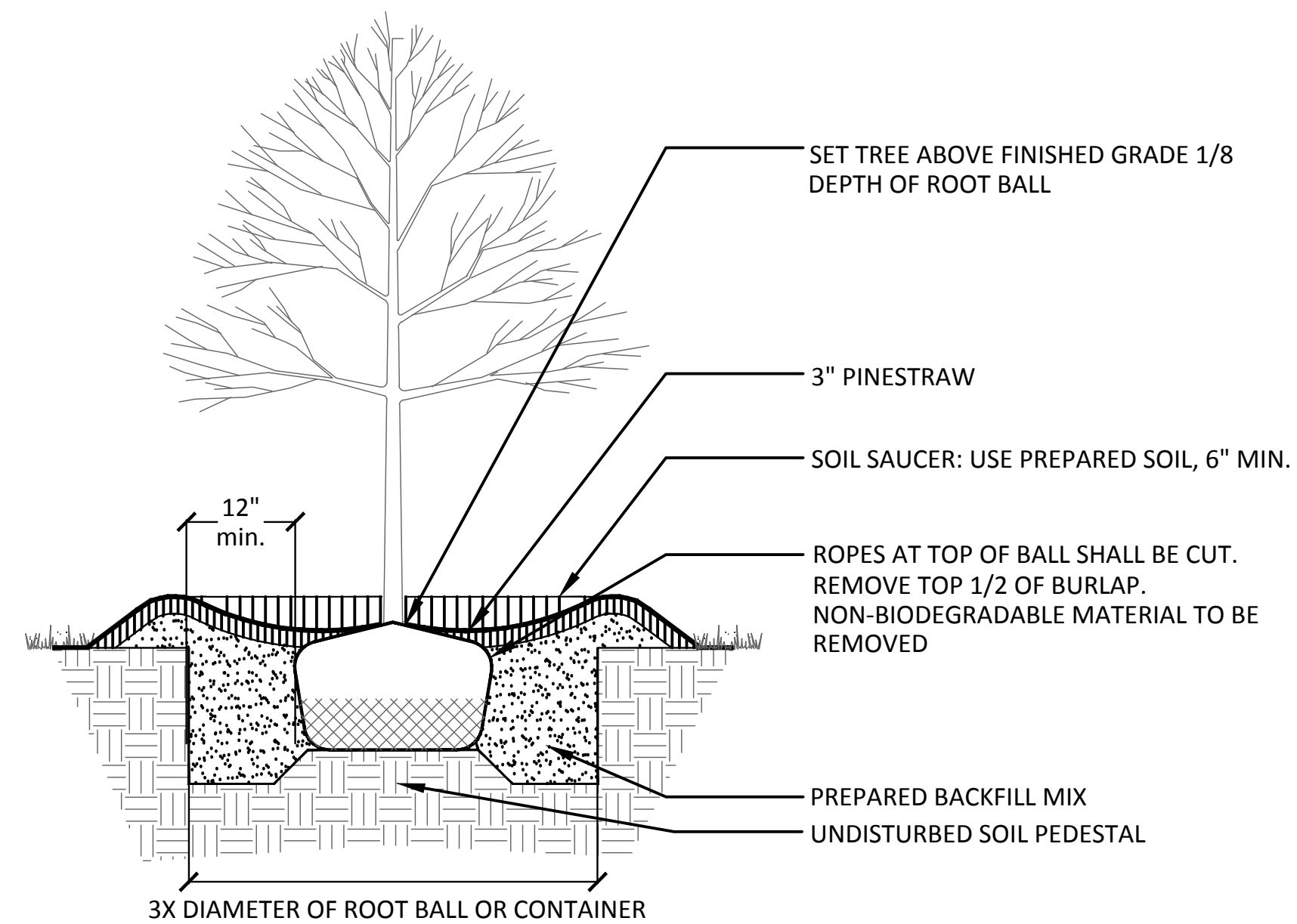
- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS & DISEASES.
- ALL PLANTS MUST BE CONTAINER-GROWN, BALLED & BURLAPPED (B&B), OR OTHERWISE AS INDICATED IN THE PLANT LIST.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL-HEADED & MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT & THE OWNER BEFORE, DURING & AFTER INSTALLATION UNTIL THE DATE OF FINAL ACCEPTANCE.
- ALL TREES OVER 8' HT MUST BE GUYED OR STAKED, UNLESS DETERMINED OTHERWISE BY OWNER. ARBORTIE, ARBORGUY, OR APPROVED EQUAL BLACK GUYING (POLYPROPYLENE MATERIAL) AND STAKING SYSTEM INSTALLED PER MANUFACTURER SPECIFICATIONS.
- ALL PLANTS & PLANTING AREAS MUST BE COMPLETELY MULCHED AS PER SPECIFICATIONS. ALL PROPOSED TREES TO HAVE MINIMUM 6' DIAMETER MULCHED RING. ALL MULCH TO BE 3" SETTLED DEPTH OF CLEAN PINESTRAW, UNLESS INDICATED OTHERWISE.
- PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES & SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY & ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. PLANT SYMBOLS ON THE LANDSCAPE PLAN SUPERCEDE QUANTITIES SHOWN IN THE PLANT LIST. IN SIZE GRADING B&B TREES, CALIPER SHALL TAKE PRECEDENT OVER HEIGHT. IN SIZE GRADING MULTI-STEM TREES, HEIGHT SHALL TAKE PRECEDENCE OVER CALIPER. THE LANDSCAPE CONTRACTOR MUST CONTACT THE LANDSCAPE ARCHITECT IF, THEY ENCOUNTER ON SITE, EXISTING CONDITIONS SIGNIFICANTLY DIFFERENT FROM THE PLAN.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF PLANTING AREAS & LAWNS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT & THE OWNER.
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO FINAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE & REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF FINAL ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD (AS PER DIRECTION OF THE OWNER).
- THE LANDSCAPE CONTRACTOR AGREES TO PERFORM ALL LANDSCAPE MAINTENANCE (INCLUDING WATERING) THROUGHOUT THE ONE YEAR GUARANTEE PERIOD UNLESS OTHERWISE DETERMINED.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- STANDARDS SET FORTH IN 'AMERICAN STANDARDS FOR NURSERY STOCK' REPRESENT GUIDELINE SPECIFICATIONS ONLY AND CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL. ALL PLANT MATERIAL SHALL BE GRADE 'A' OR BETTER.
- ALL DISTURBED AREAS TO BE SODDED WITH BERMUDA UNLESS OTHERWISE NOTED. TEMPORARY GRASS TO BE A COMBINATION OF ANNUAL RYE AND FESCUE SEED. ALL SOD AREAS ARE TO BE FERTILIZED AND OVERSEEDDED AT TIME OF INSTALLATION. ALL AREAS DESIGNATED FOR SOD MUST BE FINE GRADED. LEVEL ANY UNDULATIONS OR IRREGULARITIES, WHILE MAINTAINING POSITIVE DRAINAGE. HANDRAKE AND SMOOTH, REMOVING ALL ROCKS LARGER THAN 1" FROM THE SURFACE. USE METAL SCREEN OR WOODEN DRAG ON LARGER SURFACES. CONTACT THE LANDSCAPE ARCHITECT FOR AN INSPECTION OF THE FINE GRADED SURFACE, PRIOR TO ANY SOD INSTALLATION.
- ALL BERMS ARE TO BE CONSTRUCTED OF CLEAN, FRIABLE, WELL DRAINED, TOPSOIL.
- FOR ALL PROPOSED PLANTING AREA, LANDSCAPE CONTRACTOR TO REMOVE EXISTING VEGETATION, TILL AND ADD TOPSOIL AND FERTILIZER PRIOR TO INSTALLATION. CONTRACTOR SHALL REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS. REMOVE COMPACTED SOIL, AND ADD 24" OF TOPSOIL; OR AMEND THE TOP 24" OF EXISTING SOIL TO MEET SPECIFICATIONS, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL OF ALL BINDING CORDS AND ROPES/STRAPPING FROM THE TRUNKS OF ALL SHADE AND ORNAMENTAL TREES IMMEDIATELY AFTER PLANTING. IDENTIFICATION TAGS AND RIBBONS SHALL BE REMOVED FROM ALL PLANT MATERIAL AT THE TIME OF PLANTING. TREE BASKETS SHALL BE CUT FROM THE TOP 1/4 OF THE ROOT BALL PRIOR TO PLANTING.
- ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE RE-SET TO FINAL GRADE AND VEGETATED PER CONSTRUCTION PLANS.
- UNLESS OTHERWISE NOTED BY THE LANDSCAPE ARCHITECT, MEDIUM SPREADING SHRUBS SHALL BE PLANTED NO CLOSER THAN 30" TO ANY ADJOINING WALL OR PAVED AREA. LARGE SPREADING SHRUBS SHALL BE PLANTED NO CLOSER THAN 36" TO ANY ADJOINING WALL OR PAVED AREA.
- THE PLANTING SOIL FOR SHRUBS WILL CONSIST OF 33% GROUND PINE BARK HUMUS, WELL-MIXED WITH 67% OF IMPROVED SOIL; WHICH IS, EXCAVATED SOIL WITH ROCKS, CLUMPS, AND DEBRIS GREATER THAN 2" IN DIAMETER REMOVED. NO ADDITIONAL SOIL AMMENDMENTS ARE REQUIRED FOR TREES. GROUNDCOVER AND PERENNIAL BEDS SHALL BE PREPARED AND AMENDED ACCORDING TO SPECIFICATIONS.
- MINIMUM (9) SQ. FT. PLANTING AREA PROVIDED FOR EACH TREE.
- SEEDING RATE FOR BERMUDA SEED ON DISTURBED AREAS IS 1.5 LBS PER 1000 SQUARE FEET.
- ALL PARKING ISLANDS AND LANDSCAPE BEDS ARE REQUIRED TO HAVE A GRANULAR PRE-EMERGENT HERBICIDE APPLIED TO AID WITH WEED CONTROL.

**BUILDERS NOTES:**

BY THIS AGREEMENT WITH THE OWNER, THE LANDSCAPE ARCHITECT HAS UNDERTAKEN A LIMITED SCOPE OF PROFESSIONAL SERVICES. THE CONSTRUCTION DOCUMENTS PROVIDED BY THE LIMITED SERVICES SHALL BE TERMED "BUILDERS PLANS" IN RECOGNITION OF THE SOPHISTICATION OF THE LANDSCAPE CONTRACTOR. CONSTRUCTION WILL REQUIRE THAT THE LANDSCAPE CONTRACTOR ADAPT THE "BUILDER'S PLANS" TO THE FIELD CONDITIONS ENCOUNTERED AND MAKE LOGICAL ADJUSTMENTS IN FIT, FORM, DIMENSIONS AND QUANTITY THAT ARE TREATED ONLY GENERALLY BY THE "BUILDERS PLANS." IN THE EVENT THAT CLARIFICATION IS NEEDED FOR ANY DRAWING CONTAINED IN THIS SET, IT SHALL BE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO BRING IT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE GENERAL CONTRACTOR AND HIS/HER SUBCONTRACTORS SHALL CONSTRUCT THIS PROJECT IN COMPLIANCE WITH ANY AND ALL APPLICABLE CODES.

**PLANT SCHEDULE**

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	MIN. SPACING	REMARKS
<b>TREES</b>						
ARO	1	Acer rubrum 'October Glory'	October Glory Red Maple	3" cal.	25' o.c.	Full, upright and well branched
CF	2	Cornus florida	Flowering Dogwood	2.5" cal.	18' o.c.	Full, upright and well branched
CC	2	Cercis canadensis	Eastern Redbud	2.5" cal.	18' o.c.	Full, upright and well branched
<b>GROUND COVERS</b>						
SOD	2750 SF	SOD- contractor to coordinate with city on type		aerate and smooth areas before installation		
<b>Notes:</b>	1. Contractor is to coordinate with the city of LaGrange on Sod type, bermuda is recommended. All sod areas to be free of stone and debris, and smoothed with amended topsoil prior to installation of sod					



**01 LN-01 TREE PLANTING DETAIL**  
SCALE: 3/4" = 1'-0"

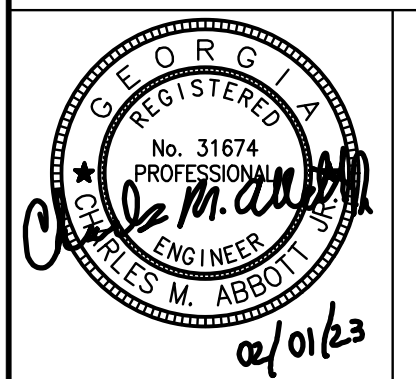
**KAIZEN COLLABORATIVE**  
2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

**CW GEORGIA & WEST, INC.**  
ENGINEERING LAND SURVEYING LAND PLANNING  
OFFICE (770) 834-4894 FAX (770) 834-1005  
E-MAIL: mailbo@georgiawest.com  
105 CORPORATE DRIVE  
CARROLLTON, GA. 30117

DATE	DESCRIPTION
01/13/2023	100% ISSUE FOR PERMIT
02/01/2023	100% IFP: ADDEN. 1 - "SIDEWALK"

PROJECT #	2020-196 B
PROJECT MANAGER	TC

**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**



**LANDSCAPE NOTES & DETAILS**

SCALE	
DATE	FEBRUARY 01, 2023

SHEET # **LN-01**

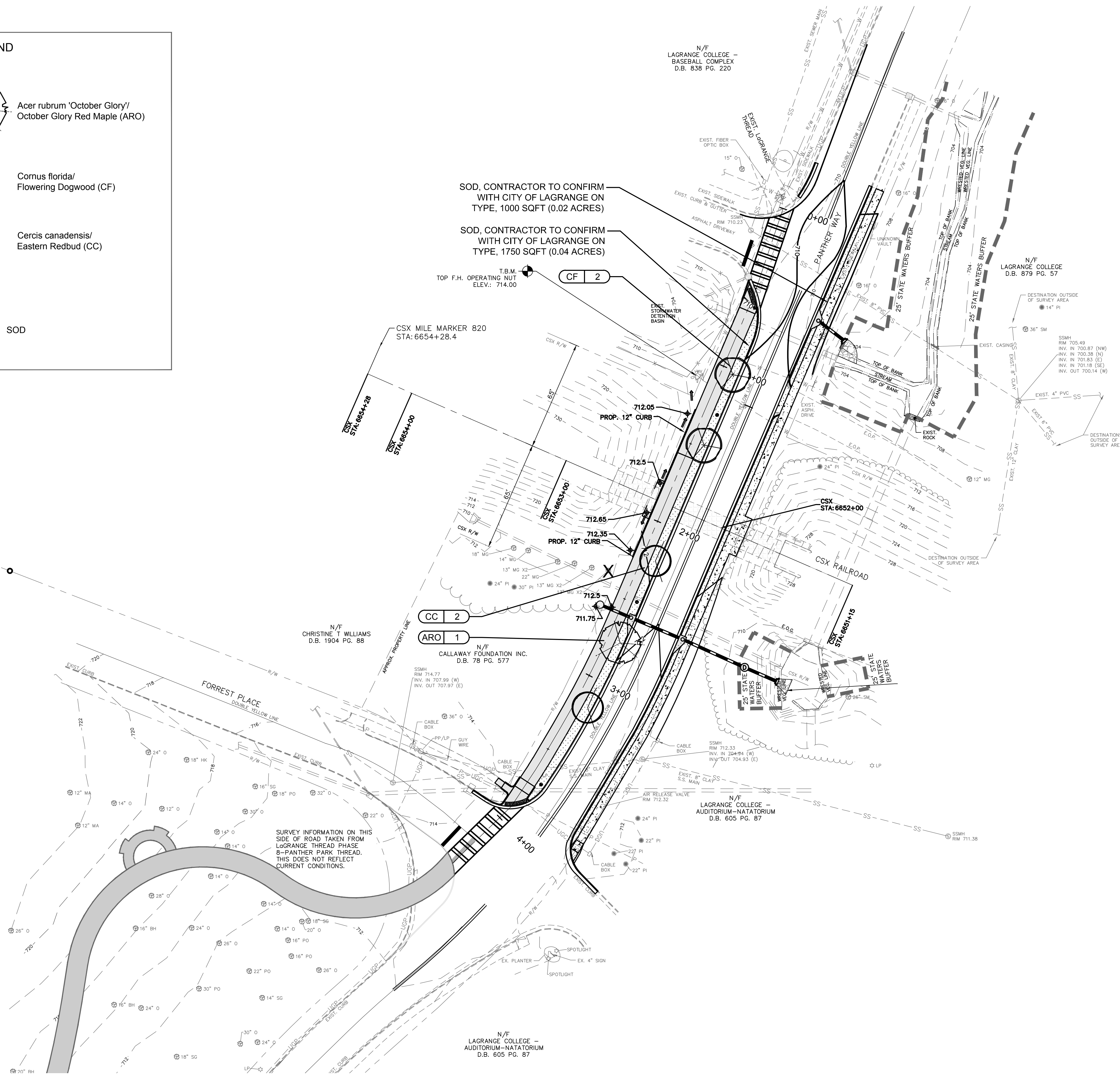
**PLANTS LEGEND**

**TREES:**

- Acer rubrum 'October Glory' /  
October Glory Red Maple (ARO)
- Cornus florida /  
Flowering Dogwood (CF)
- Cercis canadensis /  
Eastern Redbud (CC)

**GROUND COVER:**

- SOD



SOD, CONTRACTOR TO CONFIRM WITH CITY OF LAGRANGE ON TYPE, 1000 SQFT (0.02 ACRES)

SOD, CONTRACTOR TO CONFIRM WITH CITY OF LAGRANGE ON TYPE, 1750 SQFT (0.04 ACRES)

T.B.M. TOP F.H. OPERATING NUT ELEV.: 714.00

CSX MILE MARKER 820 STA: 6654+28.4

N/F CHRISTINE T WILLIAMS D.B. 1904 PG. 88

N/F CALLAWAY FOUNDATION INC. D.B. 78 PG. 577

N/F LAGRANGE COLLEGE - BASEBALL COMPLEX D.B. 838 PG. 220

N/F LAGRANGE COLLEGE D.B. 879 PG. 57

N/F LAGRANGE COLLEGE - AUDITORIUM-NATATORIUM D.B. 605 PG. 87

SURVEY INFORMATION ON THIS SIDE OF ROAD TAKEN FROM LAGRANGE THREAD PHASE 8 - PANTHER PARK THREAD. THIS DOES NOT REFLECT CURRENT CONDITIONS.

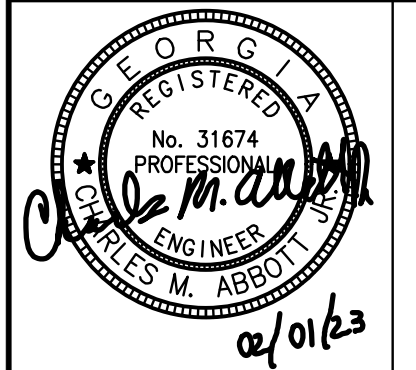
**KAIZEN COLLABORATIVE**  
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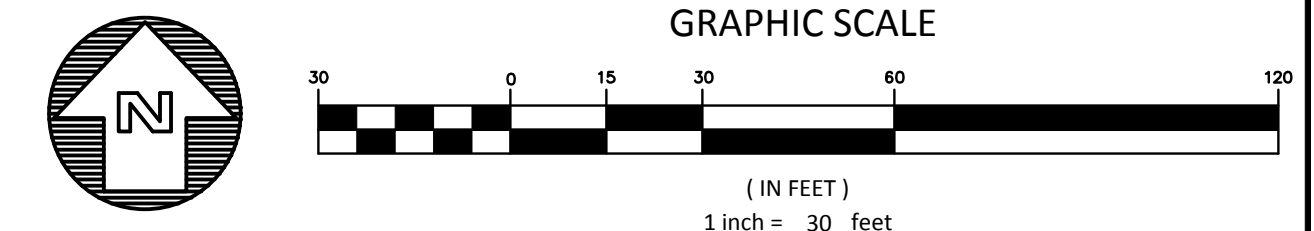
**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**



**LANDSCAPE PLAN**

SCALE	1" = 30' - 0"
DATE	FEBRUARY 01, 2023

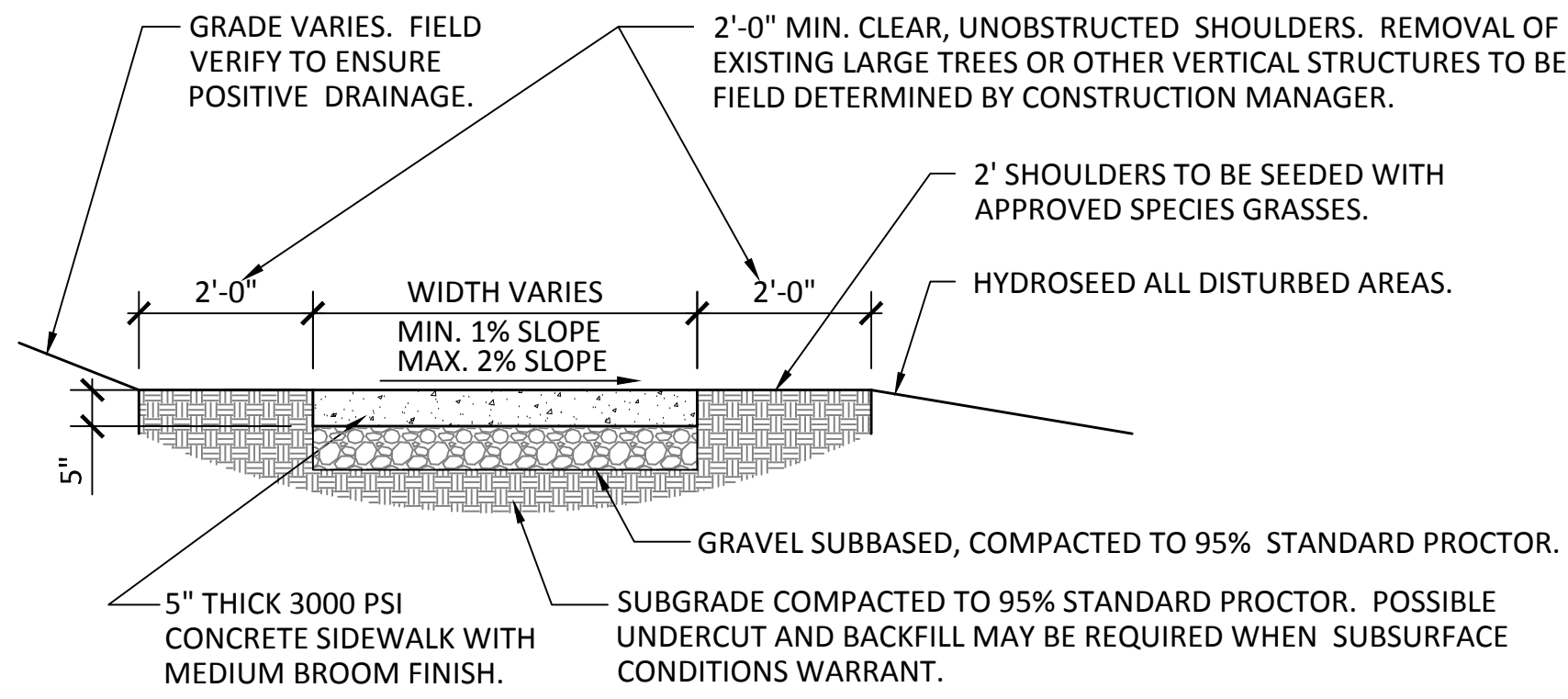
SHEET #	<b>LP-01</b>
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NOTES:  
 1) 4"x (SIDEWALK WIDTH) ALTERNATING YELLOW CENTERLINE STRIPING TO BE INSTALLED ALONG ENTIRE LENGTH OF SIDEWALK CENTERLINE.

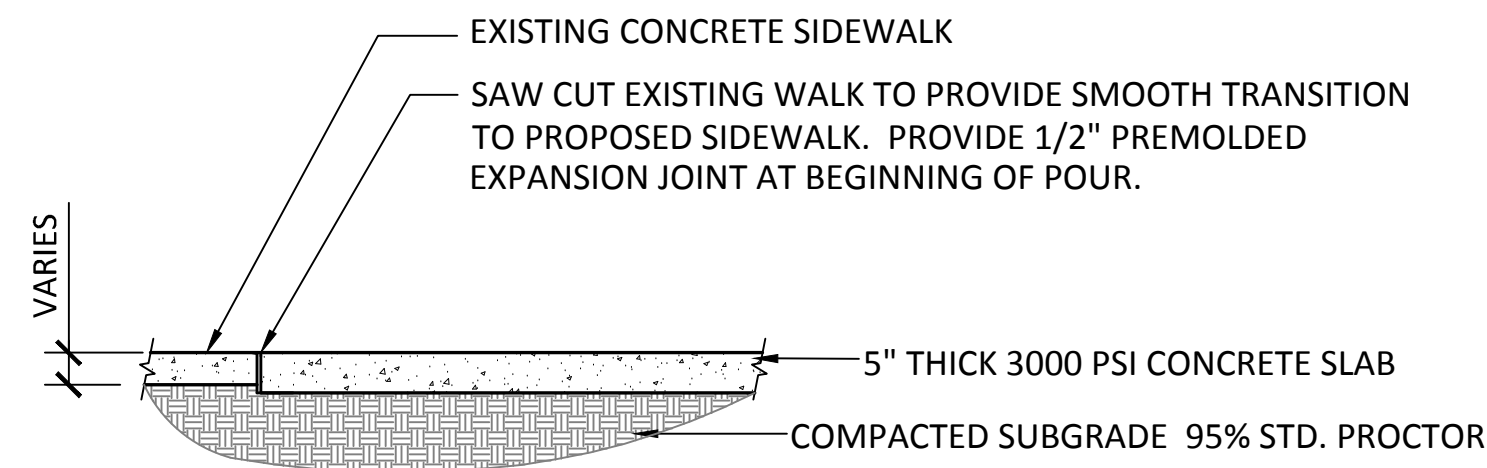
2) CONTRACTOR TO SAW CUT CONTROL JOINT AT LEAST 1/4 DEPTH OF SLAB ACROSS ENTIRE WIDTH OF SIDEWALK. CONTROL JOINTS TO BE LOCATED THE SAME DISTANCE APART AS THE WIDTH OF SIDEWALK (I.E. 12' WIDE SIDEWALK TO HAVE CONTROL JOINTS EVERY 12' ALONG SIDEWALK). CONTRACTOR REQUIRED TO REMOVE SAW DUST AFTER CUTTING.

3) EXPANSION JOINTS TO BE LOCATED ALONG SIDEWALK MIN. EVERY 100' IN PLACE OF CONTROL JOINT.



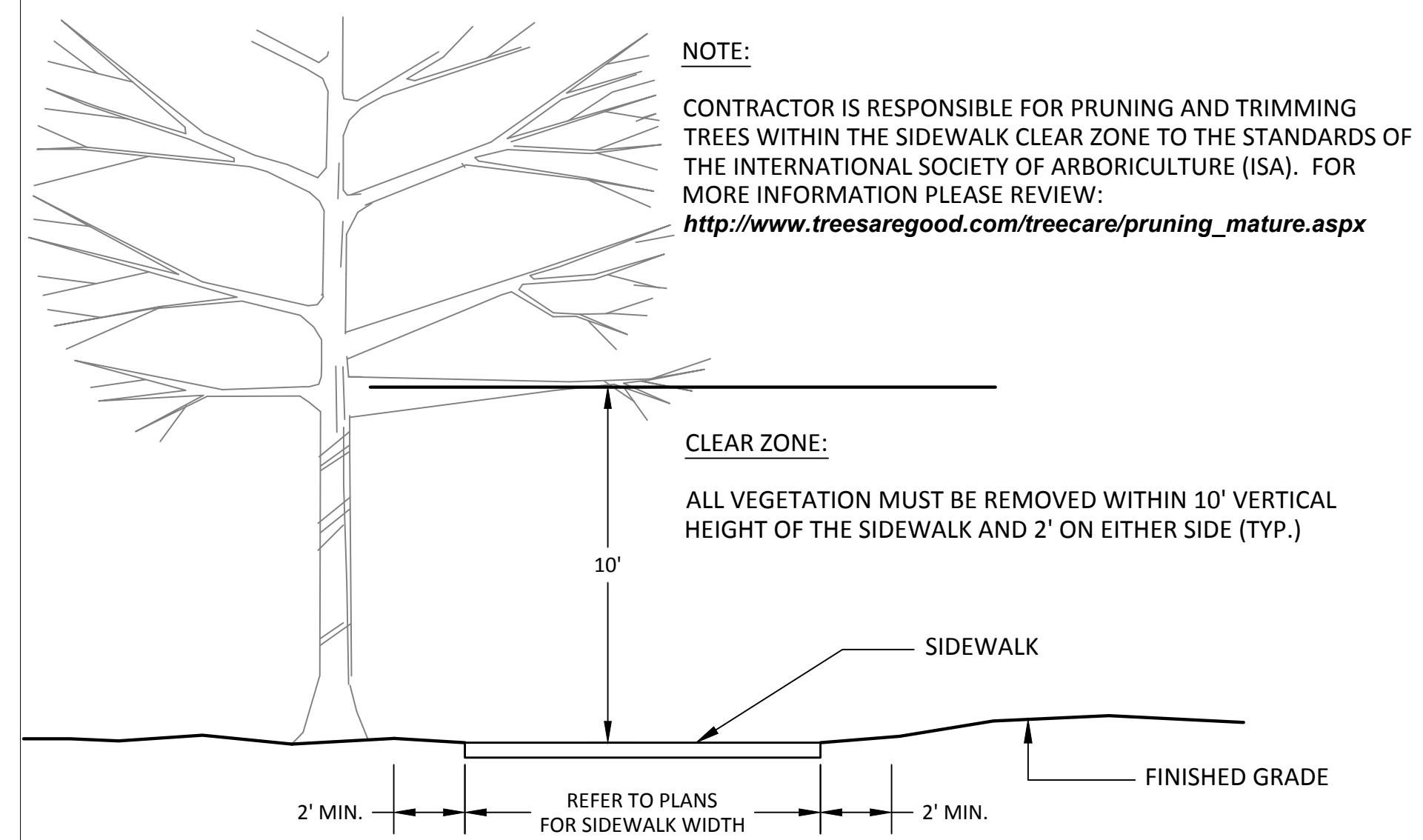
### 1 SIDEWALK-CROSS SECTION

CD-01 SCALE: 1/2" = 1'-0"



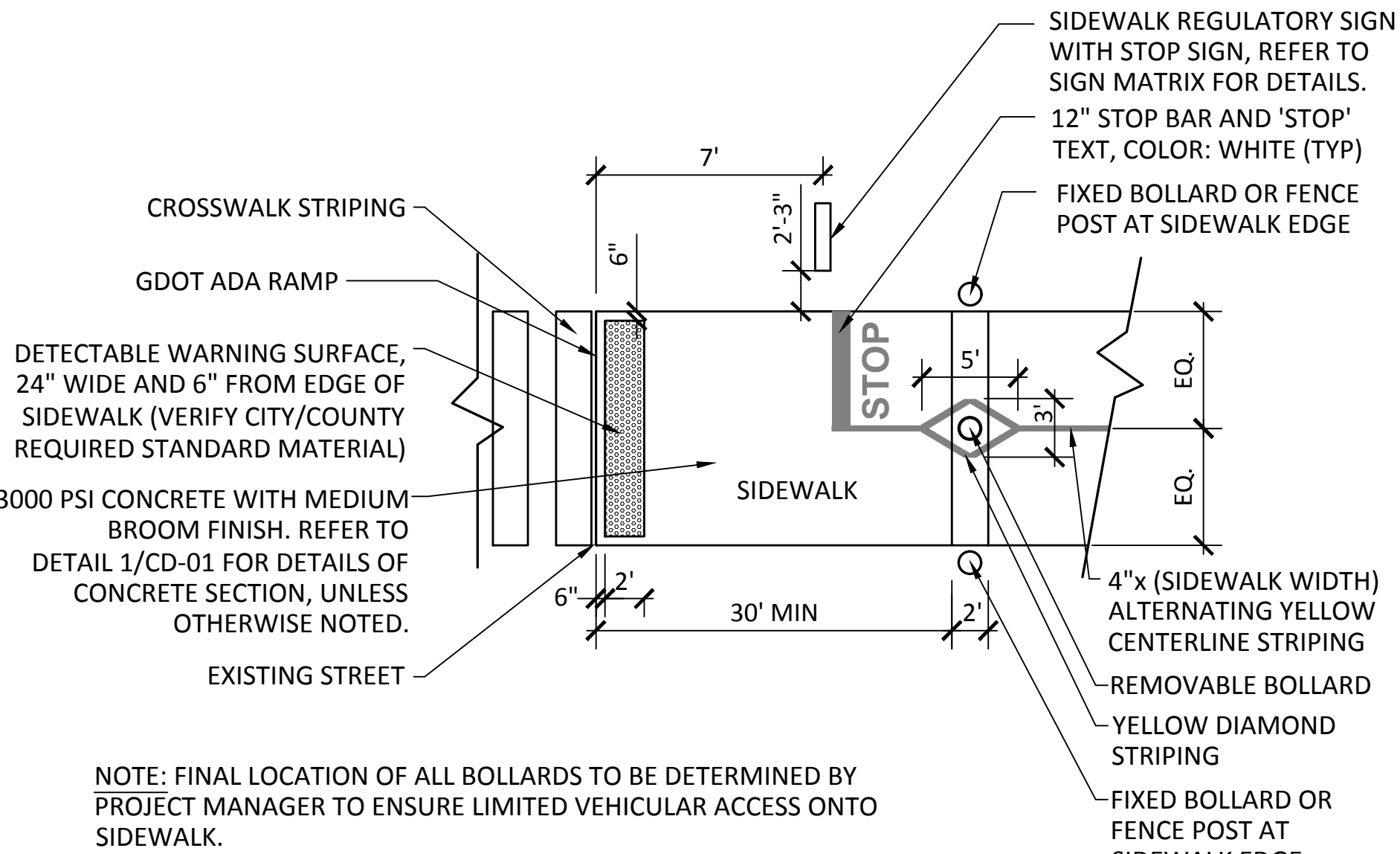
### 2 EXISTING TO PROPOSED WALK TRANSITION

CD-01 SCALE: 1/2" = 1'-0"



### 3 CLEAR ZONE

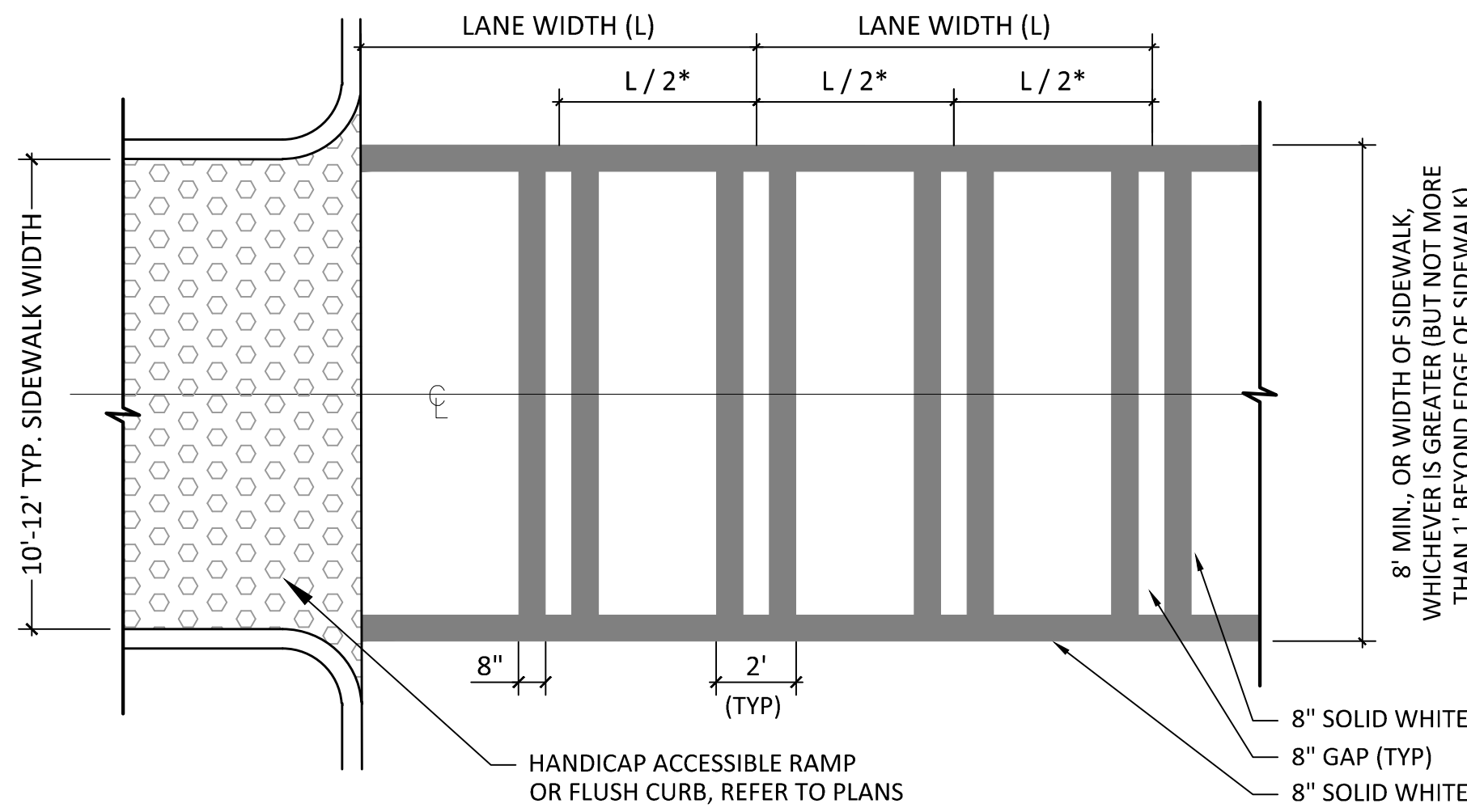
CD-01 SCALE: 1/4" = 1'-0"



### 4 STANDARD INTERSECTION: PLAN VIEW

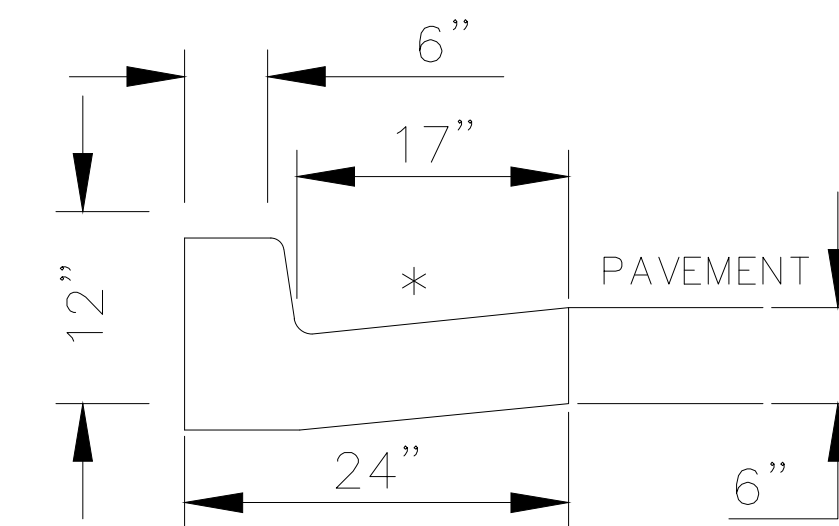
CD-01 SCALE: 1/8" = 1'-0"

NOTES:  
 1. ALL CROSSWALK MARKINGS TO BE ALKO THERMOPLASTIC WITH CLEAN CUT EDGES (TYP.). CONFORM TO GDOT STANDARD SPECIFICATIONS FOR INSTALLATION, COLOR, AND FINISH.  
 \*USE 5' FOR (L / 2) WHEN LANE WIDTH EXCEEDS 12', OR WHERE LANE LINES HAVE BEEN OMITTED.



### 5 GDOT CROSSWALK STRIPING

CD-01 SCALE: 1/4" = 1'-0"



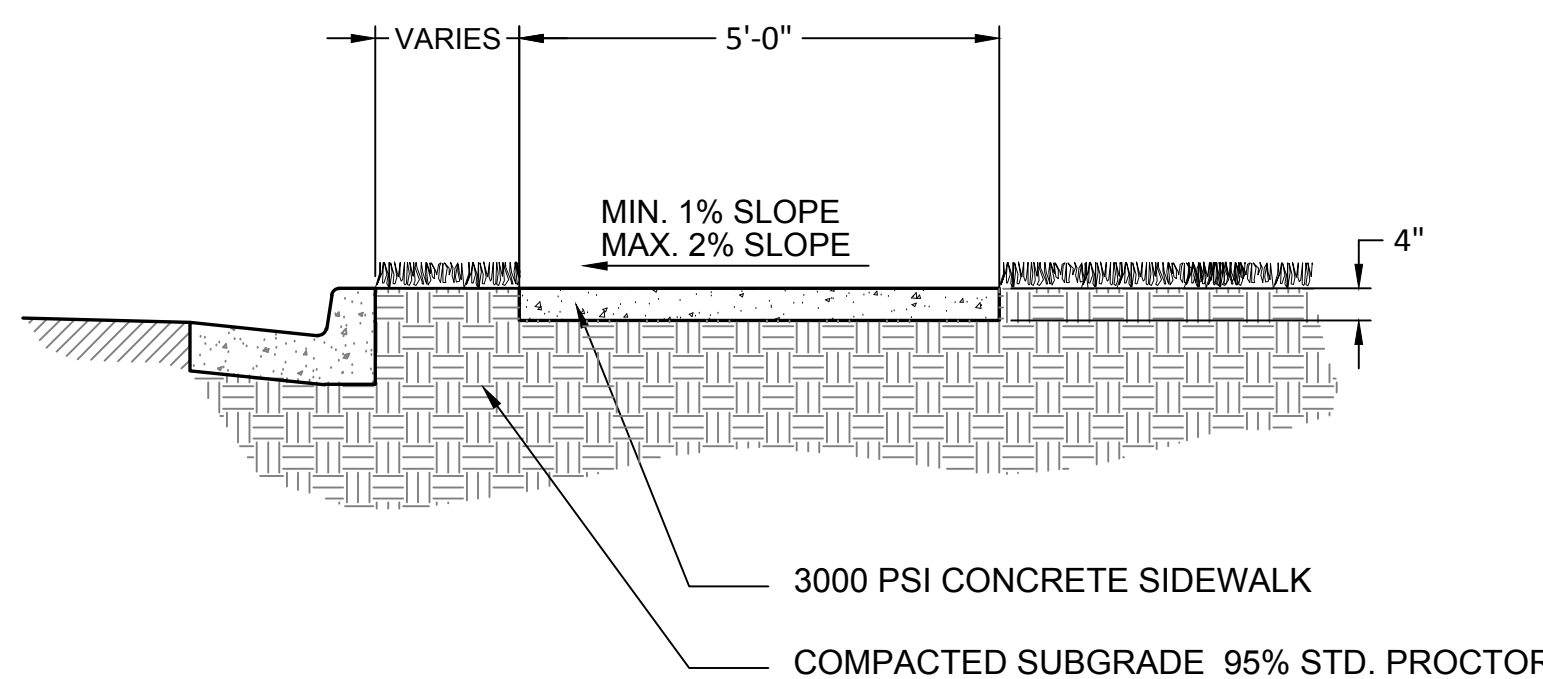
### 6 24" CURB AND GUTTER DETAIL

CD-01 SCALE: 1" = 1'-0"

NOTES:

1) CONTRACTOR TO SAW CUT CONTROL JOINT AT LEAST 1/4 DEPTH OF SLAB ACROSS ENTIRE WIDTH OF SIDEWALK. CONTROL JOINTS TO BE LOCATED THE SAME DISTANCE APART AS THE WIDTH OF SIDEWALK (I.E. 5' WIDE SIDEWALK TO HAVE CONTROL JOINTS EVERY 5'). CONTRACTOR REQUIRED TO REMOVE SAW DUST AFTER CUTTING.

2) EXPANSION JOINTS TO BE LOCATED ALONG SIDEWALK MIN. EVERY 100' IN PLACE OF CONTROL JOINT AND AT UTILITY STRUCTURES (SUCH AS MANHOLE COVERS) IN SIDEWALK.



### 7 TYPICAL SIDEWALK

CD-01 SCALE: 1/2" = 1'-0"

THIS SECTION IS INTENTIONALLY LEFT BLANK

THIS SECTION IS INTENTIONALLY LEFT BLANK

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PROJECT #	2020-196 B
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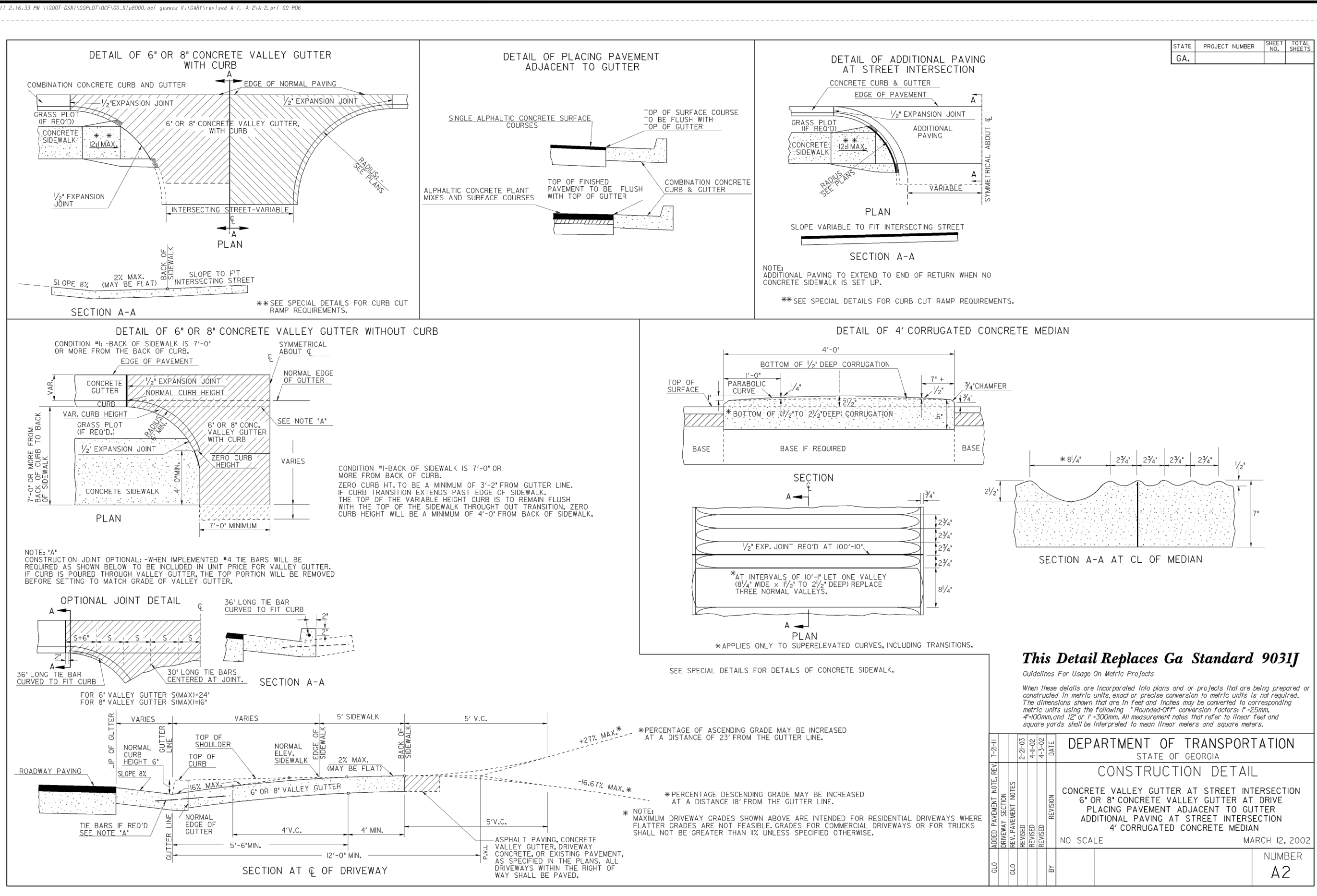
**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**

02/01/23

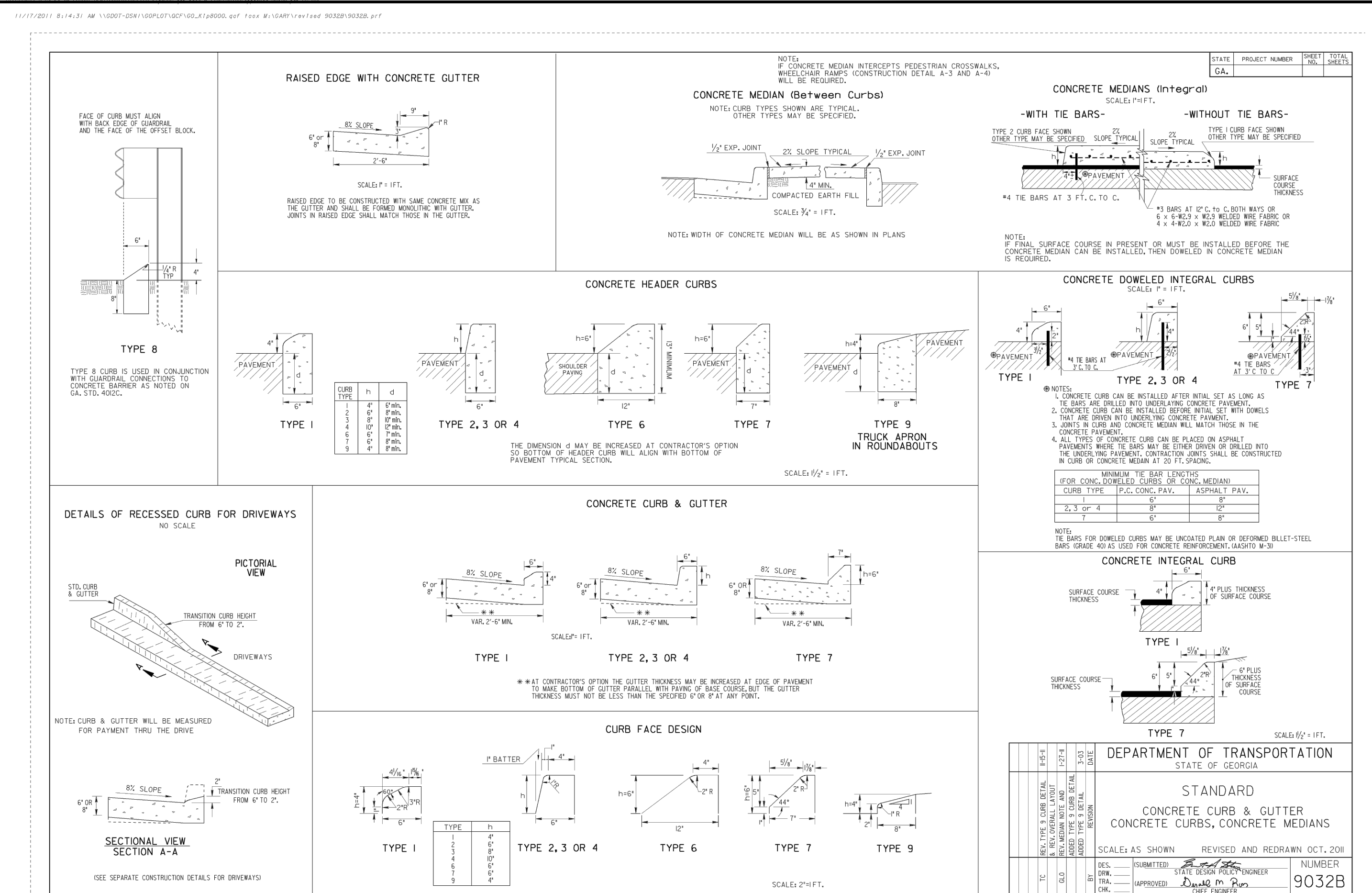
**CONSTRUCTION DETAILS**

SCALE	AS SHOWN
DATE	FEBRUARY 01, 2023

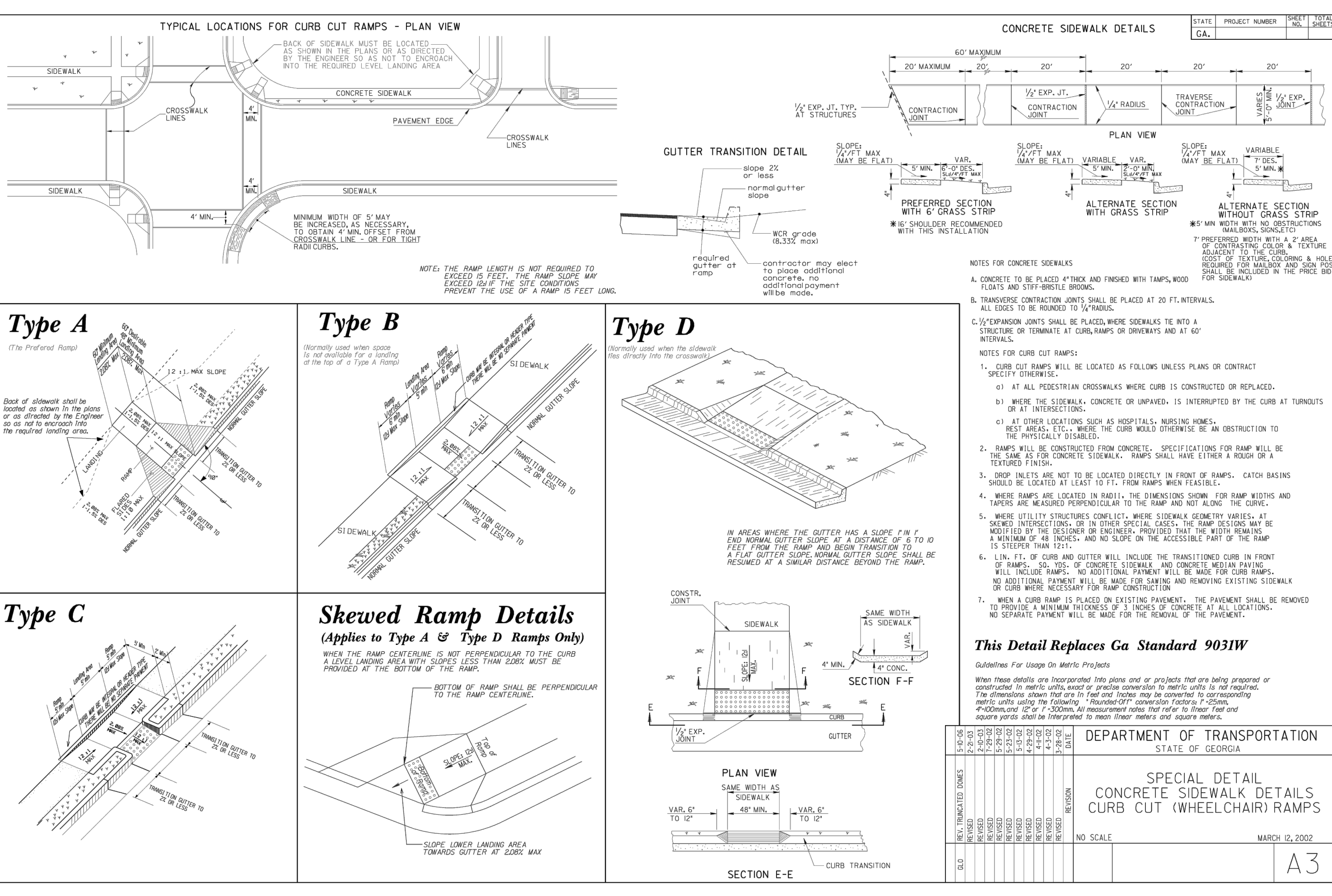
SHEET # **CD-01**



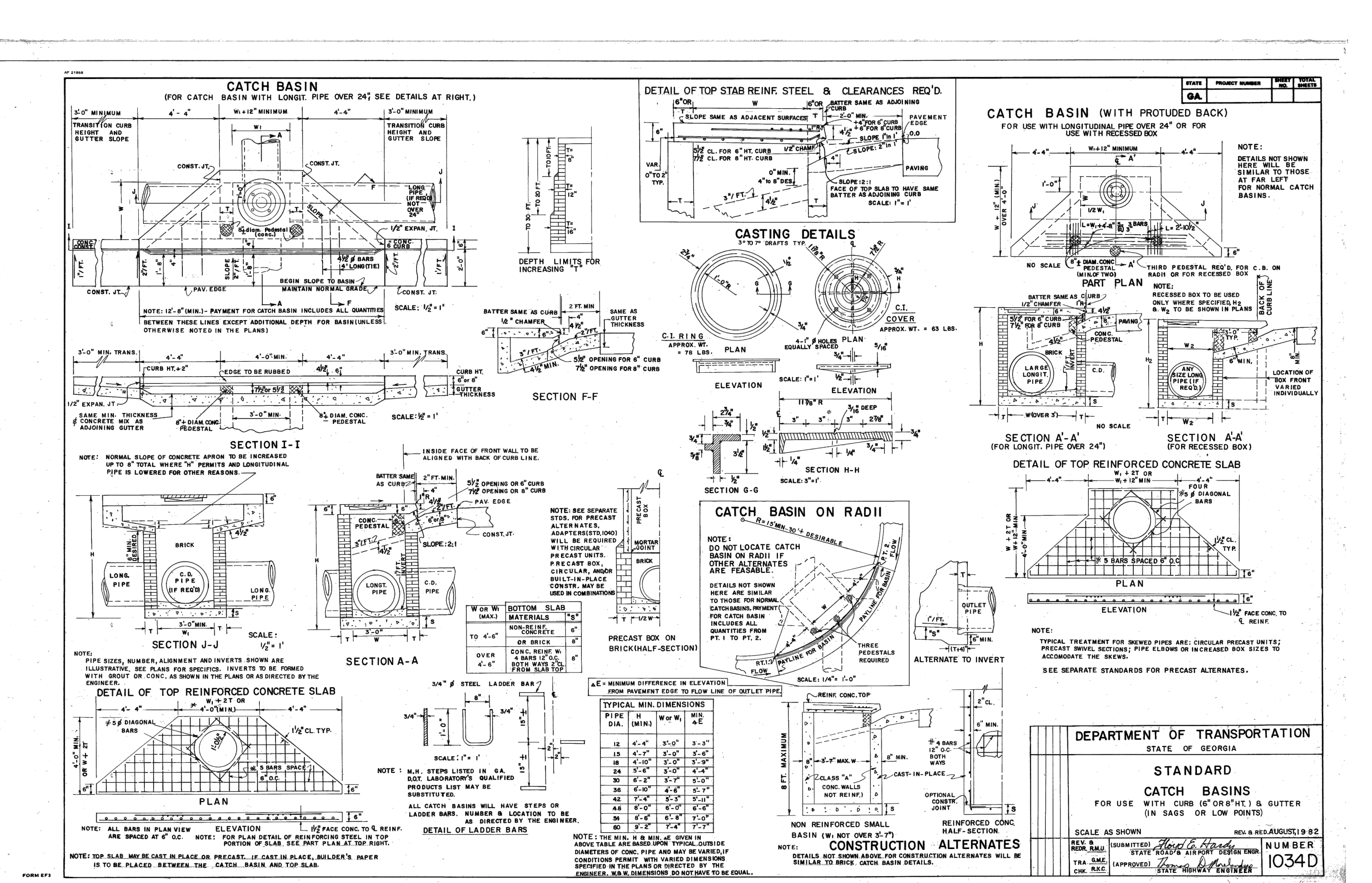
1  
CD-02  
GDOT A2 CONCRETE VALLEY DETAIL  
N.T.S.



2  
CD-02  
GDOT STD. CURB AND GUTTER DETAIL  
N.T.S.



3  
CD-02  
GDOT ADA RAMPS  
N.T.S.



4  
CD-02  
GDOT 1034D STANDARD CATCH BASIN DETAIL  
N.T.S.

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E-MAIL: mailbox@ggaandwest.com

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PROJECT # 2020-196 B  
PROJECT MANAGER TC

**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**

DATE: 02/01/23

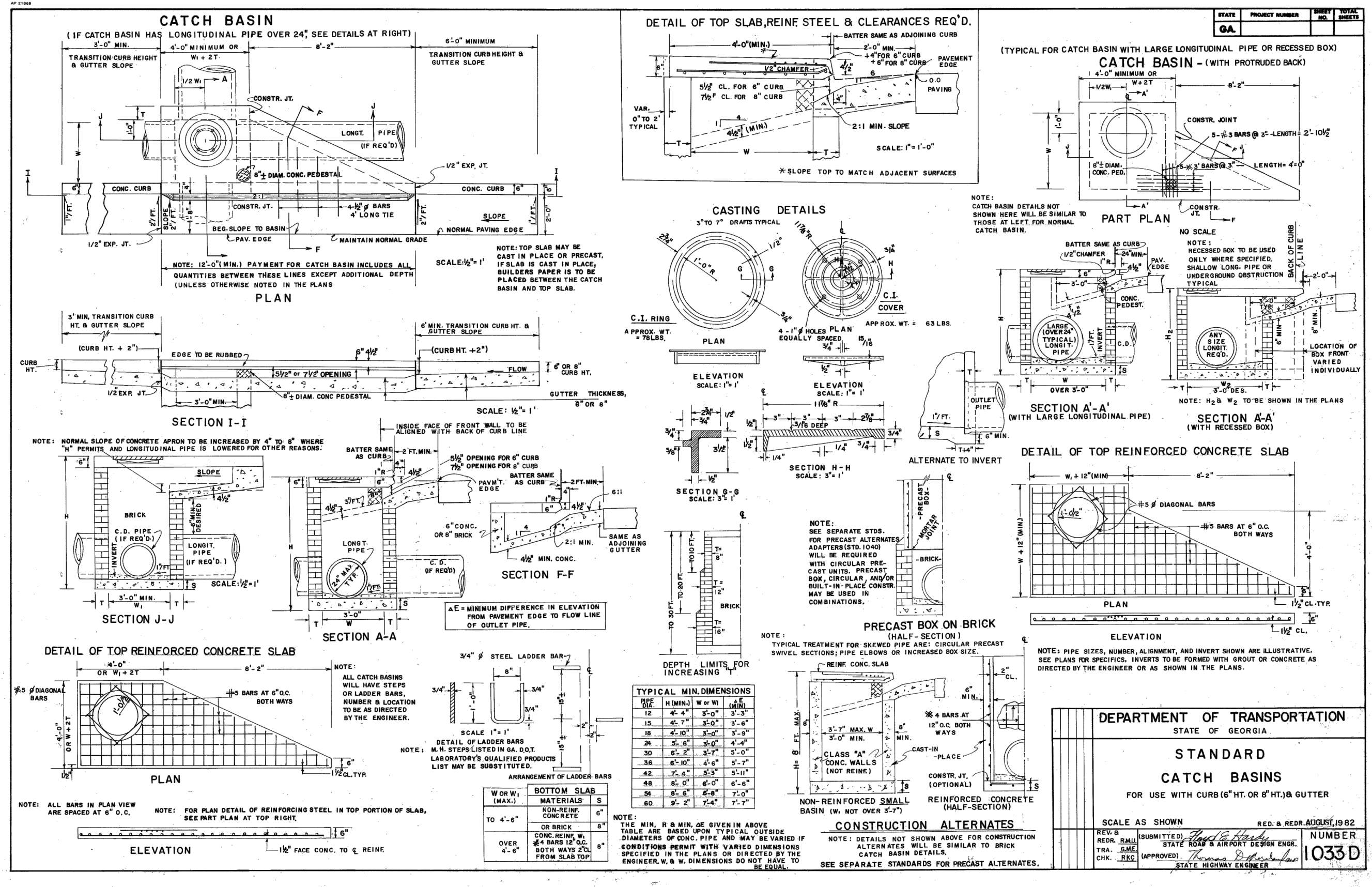
REGISTERED PROFESSIONAL ENGINEER  
No. 034981  
JOHN D. BASS

REGISTERED PROFESSIONAL ENGINEER  
No. 034981  
JOHN D. BASS

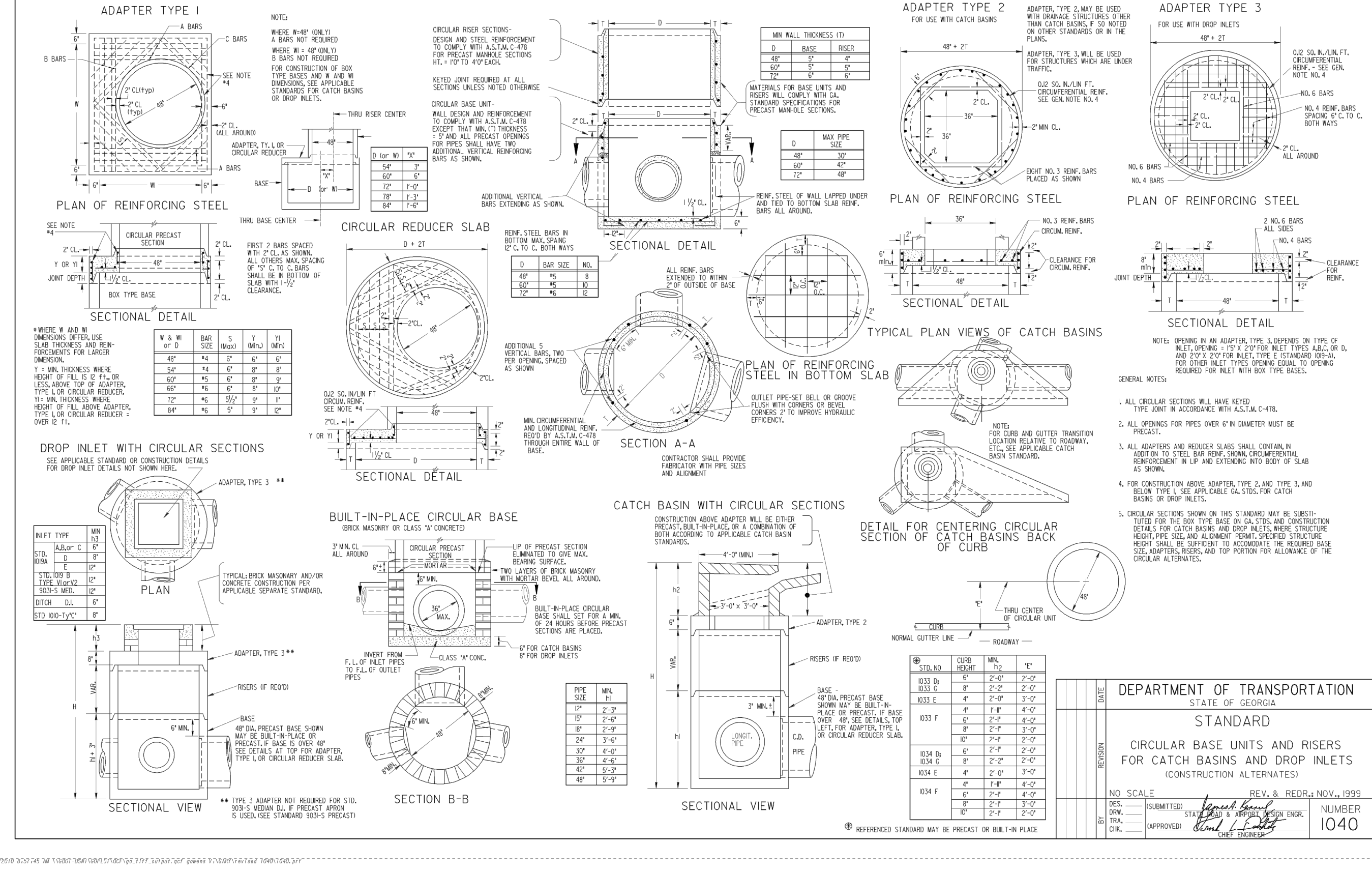
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
STANDARD  
CATCH BASINS  
FOR USE WITH CURBS (6" OR 8" H) & GUTTER  
(IN BAGG OR LIP POSITIONS)  
SCALE AS SHOWN  
NO. 1034D  
REVISED AND REDRAWN OCT. 2018  
SUBMITTED BY: [Signature]  
APPROVED BY: [Signature]  
DATE: 02/01/23

SCALE AS SHOWN  
DATE: FEBRUARY 01, 2023

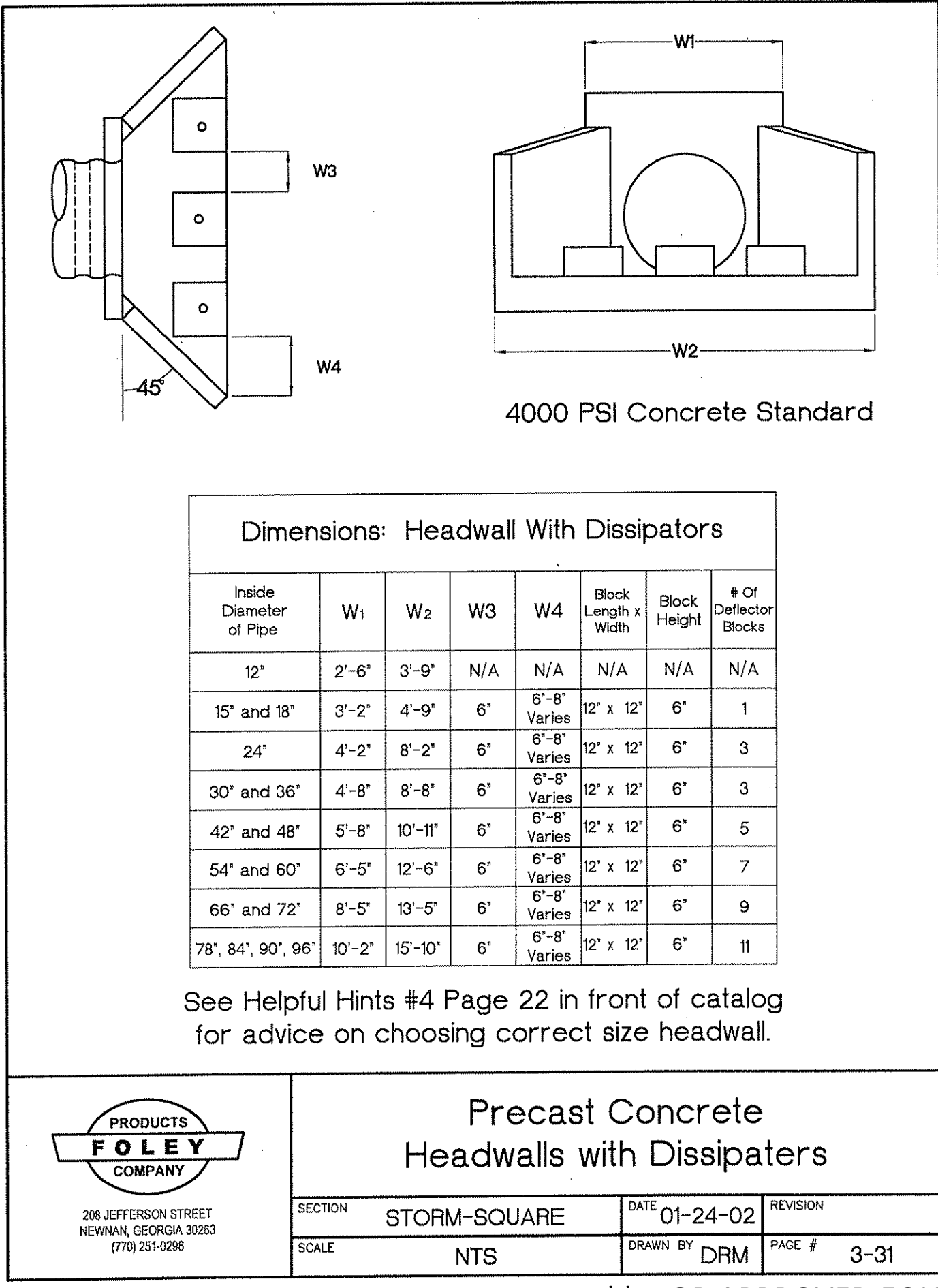
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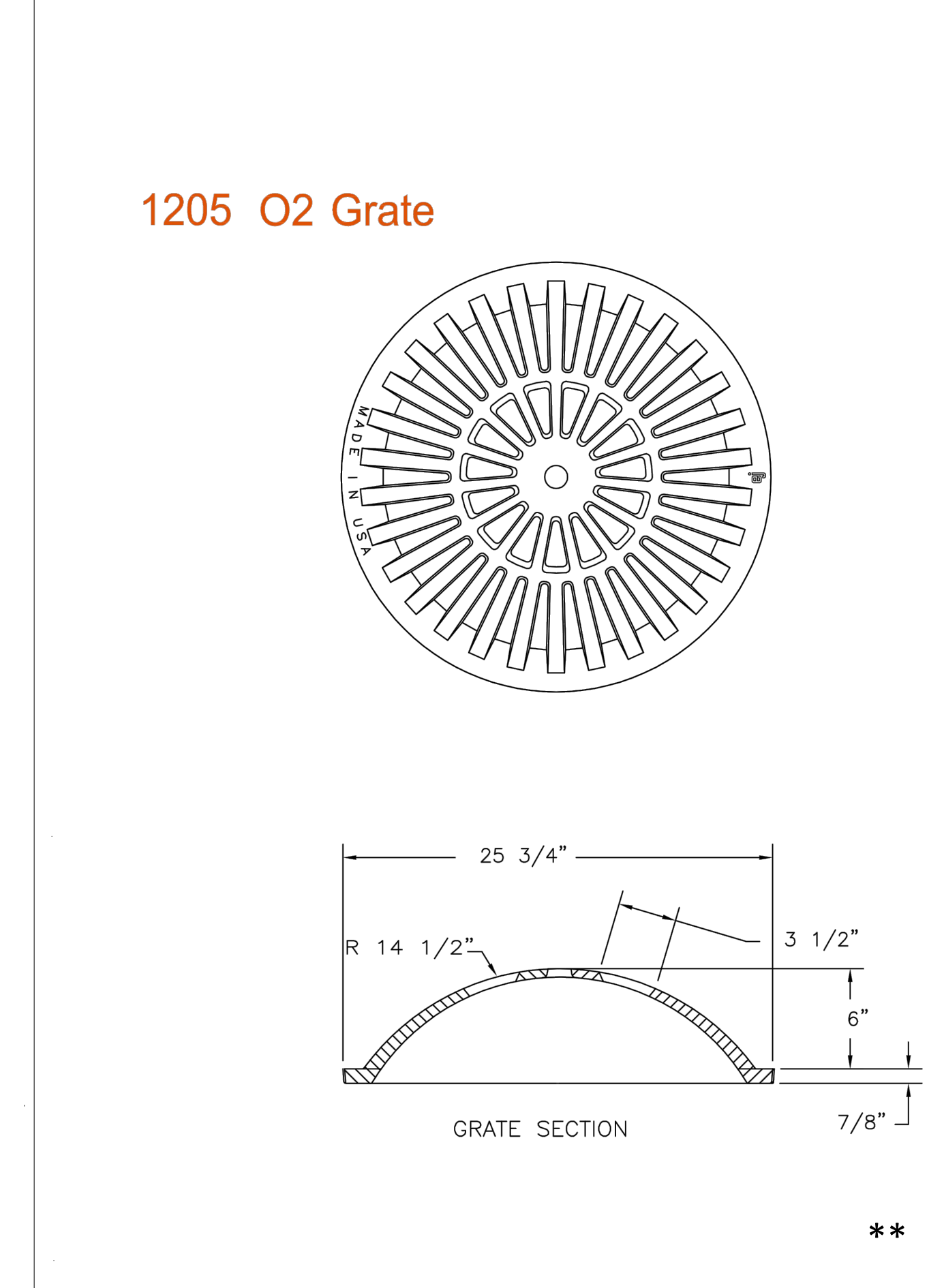
1 GDOT 1033D STANDARD PRECAST CATCH BASIN DETAIL  
CD-03 N.T.S.



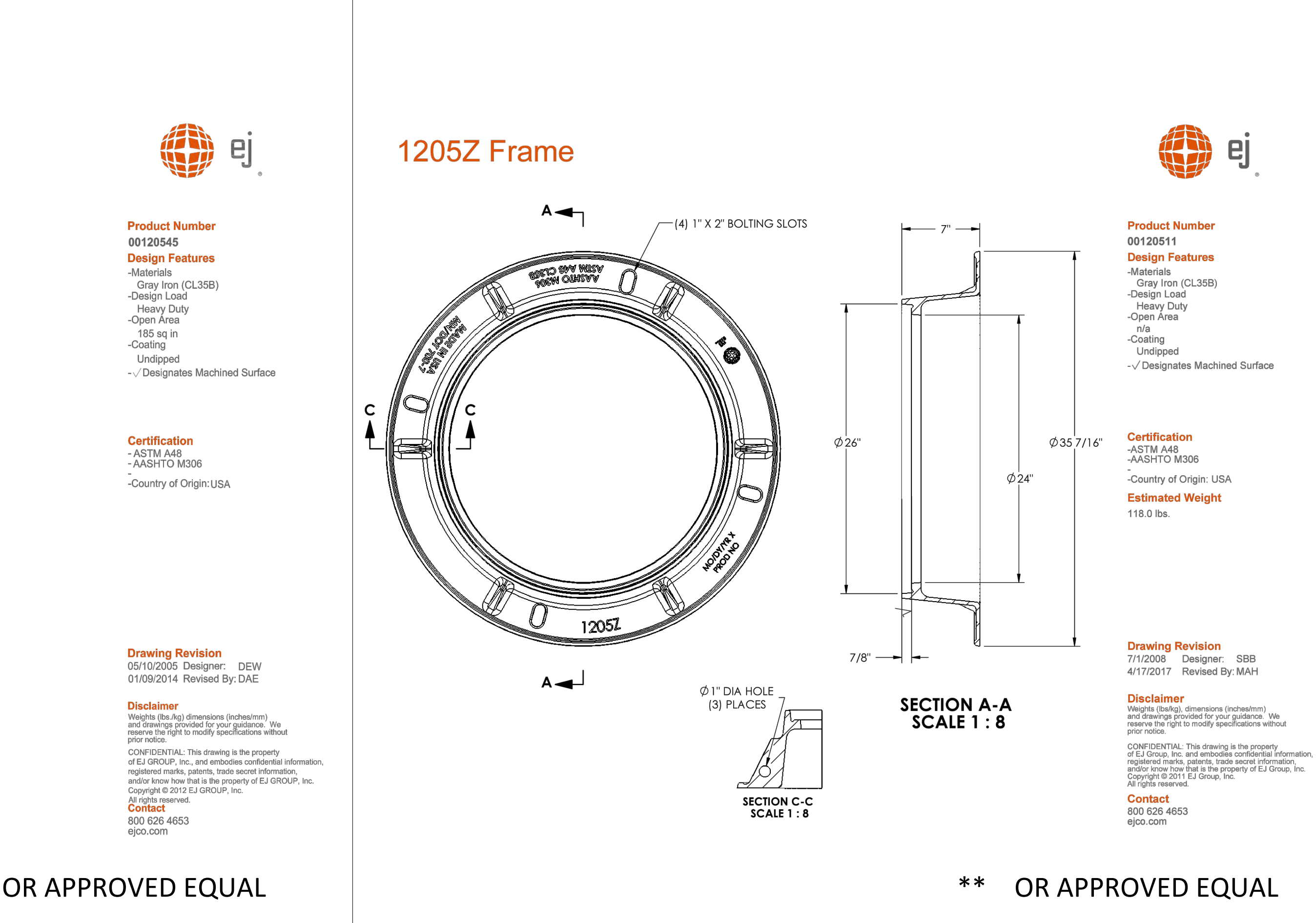
2 GDOT BASE UNITS AND RISERS FOR CATCH BASINS  
CD-03 N.T.S.



3 PRECAST HEADWALL W/ DISSIPATERS  
CD-03 N.T.S.



4 MANHOLE GRATE COVER  
CD-03 N.T.S.



5 MANHOLE FRAME RING  
CD-03 N.T.S.

**KAIZENCOLLABORATIVE**  
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E-MAIL: mallo@georgiawest.com

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
STANDARD  
CIRCULAR BASE UNITS AND RISERS  
FOR CATCH BASINS AND DROP INLETS  
(CONSTRUCTION ALTERNATES)

NO. SCALE REV. B RECORD NOV. 1999

DESIGNER: [Signature]  
CHECKED: [Signature]  
APPROVED: [Signature]

NO. 1033D  
SCALE: AS SHOWN  
REVISION: 1033D

DATE: 01/13/2023 DESCRIPTION: 100% ISSUE FOR PERMIT  
02/01/2023 100% IFF: ADDEN. 1 - "SIDEWALK"

PROJECT # 2020-196 B  
PROJECT MANAGER TC

**LAGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LAGRANGE, GA**

REGISTERED PROFESSIONAL ENGINEER  
JOHN D. BASS  
No. 31674  
Professional Seal

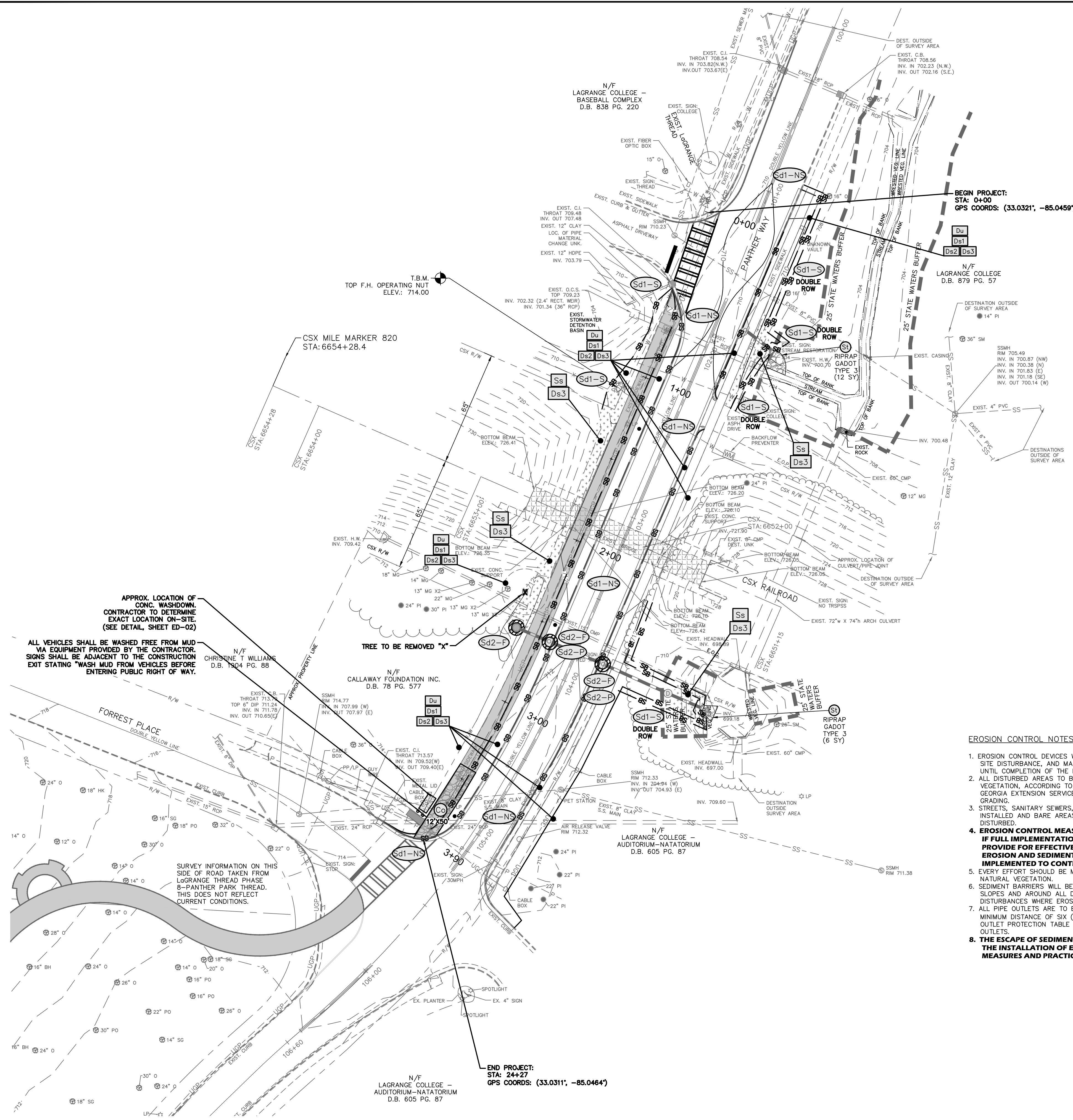
REGISTERED PROFESSIONAL ENGINEER  
JOHN D. BASS  
No. 034691  
Professional Seal

CONSTRUCTION DETAILS

SCALE AS SHOWN  
DATE FEBRUARY 01, 2023

SHEET # CD-03

C:\PROJECT FOLDERS\2020\2020203\_KAZEN LAGRANGE THREAD-PANTHER PARK R/P.DWG\2020203\_X.CONST.dwg, 2/2/2023 2:44:00 PM



- NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION CONTROL BMP'S THROUGHOUT CONSTRUCTION.
  - FINAL STABILIZATION OF SITE SHALL BE COORDINATED WITH LANDSCAPE PLANS. FINAL STABILIZATION BMP'S SHOWN ON THIS PLAN MAY VARY FROM STABILIZATION PROPOSED IN LANDSCAPE PLAN.
  - CONTRACTOR TO REPAIR ALL DISTURBED SURFACES TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
  - ALL TEMPORARY EROSION CONTROL BMP'S (i.e. SEDIMENT BARRIER, INLET SEDIMENT TRAPS, CHECK DAMS, MULCH BERMS, FILTER SOCKS, ETC.) SHALL BE REMOVED FROM SITE UPON FINAL SITE STABILIZATION.
  - SEE MAINLINE PLAN SHEETS (CP SERIES) & STORM SEWER PROFILES (SP SERIES) FOR DETAILED STORM DRAINAGE AND PIPING INFORMATION.
  - ALL CONSTRUCTION ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY.
  - CONTRACTOR SHALL COORDINATE CONSTRUCTION EXIT LOCATIONS WITH PATH FOUNDATION PROJECT MANAGER AND CITY OF LAGRANGE PRIOR TO CONSTRUCTION.
  - Sd1-S & Sd1-NS SEDIMENT BARRIERS MAY BE EITHER SILT FENCE OR FILTER MEDIA SOCK AS PER DETAILS SHOWN ON SHEET ED-01.
  - DUE TO THE NATURE OF THIS CONSTRUCTION PROJECT, A DESIGNATED RE-FUELING SITE IS IMPRACTICAL. CONTRACTOR SHALL USE EXTRA CARE WHEN REFUELING EQUIPMENT. CONTRACTOR SHALL NOT RE-FUEL EQUIPMENT WITHIN 200 FEET OF STATE WATERS. ANY ADJACENT STORM SEWER SYSTEMS OR DITCHES SHALL BE PROTECTED FROM SPILLS. ANY SPILL MADE MUST BE CLEANED UP ACCORDING TO THE REQUIREMENTS PROVIDED IN THE EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES.

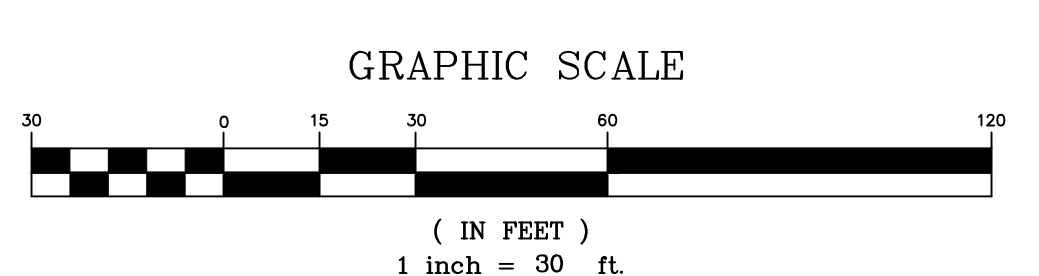
**NOTE:**  
 \*EROSION CONTROL DATA & DETAILS ARE CONTINUED ON OTHER ASSOCIATED, AND FOLLOWING SHEETS. SEE COMPLETE SET OF CONSTRUCTION PLANS FOR REVIEW. THIS SITE IS LOCATED WITHIN 200' (FEET) OF STATE WATERS.  
 TOTAL SITE AREA 0.87 ACRE  
 (TOTAL SITE AREA INCLUDES THE FULL WIDTH OF THE ROAD RIGHT OF WAY FROM THE BEGINNING TO END OF PROJECT)  
 DISTURBED AREA 0.7 ACRE

- EROSION CONTROL NOTES:**
- EROSION CONTROL DEVICES WILL BE PROPERLY INSTALLED, PRIOR TO SITE DISTURBANCE, AND MAINTAINED IN GOOD WORKING CONDITION UNTIL COMPLETION OF THE PROJECT.
  - 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.
  - STREETS, SANITARY SEWERS, AND STORM SEWERS WILL BE INSTALLED AND BARE AREAS STABILIZED BEFORE OTHER AREAS ARE DISTURBED.
  - 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.**
  - EVERY EFFORT SHOULD BE MADE TO CONSERVE AND PROTECT NATURAL VEGETATION.
  - 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.
  - 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.
  - 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.**

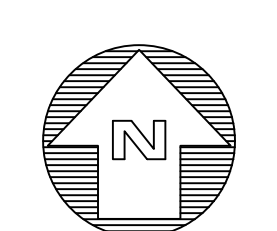
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GRATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.**
- NON-COMPLIANT SITES CAN BE FINED UP TO \$2,500.00 DOLLARS PER DAY, PER VIOLATION AS SET OUT BY THE EROSION AND SEDIMENT CONTROL ACT. THE GEORGIA WATER QUALITY CONTROL ACT PROVIDES FOR FINES UP TO \$50,000.00 DOLLARS PER DAY, PER VIOLATION!
- 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.
- WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- 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.
- 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.
- 24-HOUR CONTACT PERSON RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL DEVICES AND MEASURES IS:**  
 PATH FOUNDATION  
 NAME: ..... ATTN: PETE PELLEGRINI  
 TELEPHONE #: 404-277-5392

**CONSTRUCTION MANAGEMENT**  
**PATH FOUNDATION**  
 PETE PELLEGRINI - 24 HOUR CONTACT  
 GA GSWCC LEVEL 1 CERTIFICATION # 0000029813  
 EXP. 12/21/2023  
 office 404-875-7284 x2 cell 404-277-5392

**OWNER/DEVELOPER:**  
 CITY OF LAGRANGE  
 ATTN: MEG KELSEY  
 200 RIDLEY AVENUE  
 LAGRANGE, GA 30240  
 706-883-2016  
 mkelsey@lagrangega.org



THE F.I.R.M. MAP NUMBER 13285C0143E EFFECTIVE DATE 07/03/2012 INDICATES THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD HAZARD AREA.



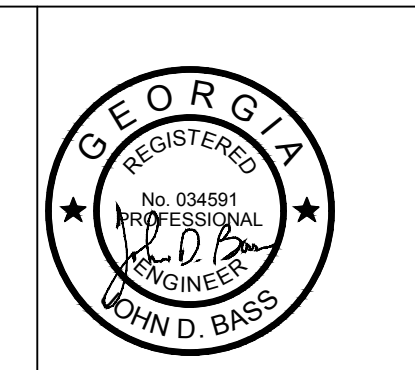
**KAIZEN COLLABORATIVE**  
 2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

**GEORGIA & WEST, INC.**  
 ENGINEERING • LAND SURVEYING • LAND PLANNING  
 105 CORPORATE DRIVE OFFICE (770) 884-6684  
 CARROLLTON, GA 30117 FAX (770) 884-1095  
 E-MAIL: mail@georgiainwest.com

DATE	DESCRIPTION
01/13/2023	100% ISSUE FOR PERMIT
02/01/2023	100% IFP: ADDEN. 1 - "SIDEWALK"

PROJECT #	2019 - 196
PROJECT MANAGER	CA

**LaGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK**  
 LaGRANGE, GA



**EROSION CONTROL PLAN**

SCALE	1" = 30'
DATE	JANUARY 13, 2023

SHEET #	<b>EC-01</b>
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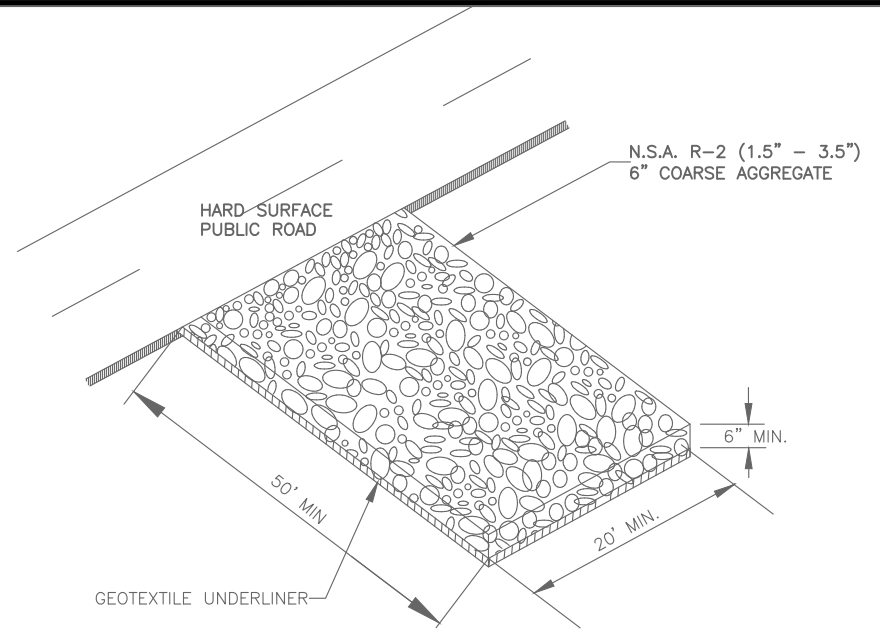
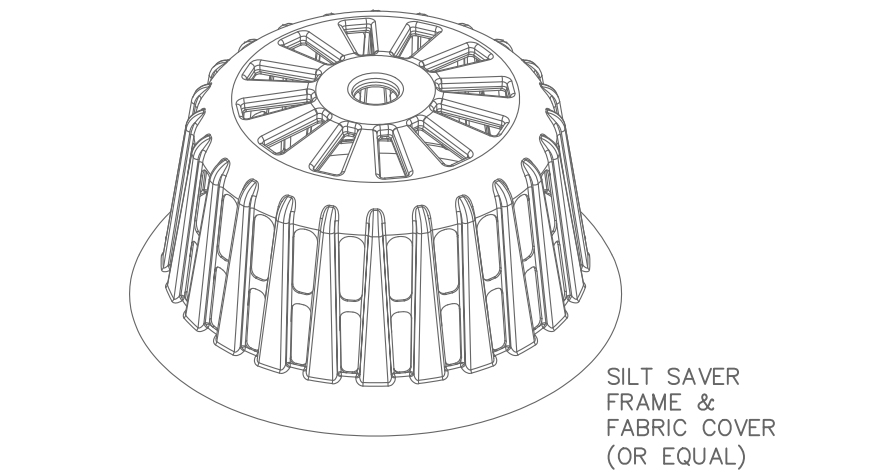
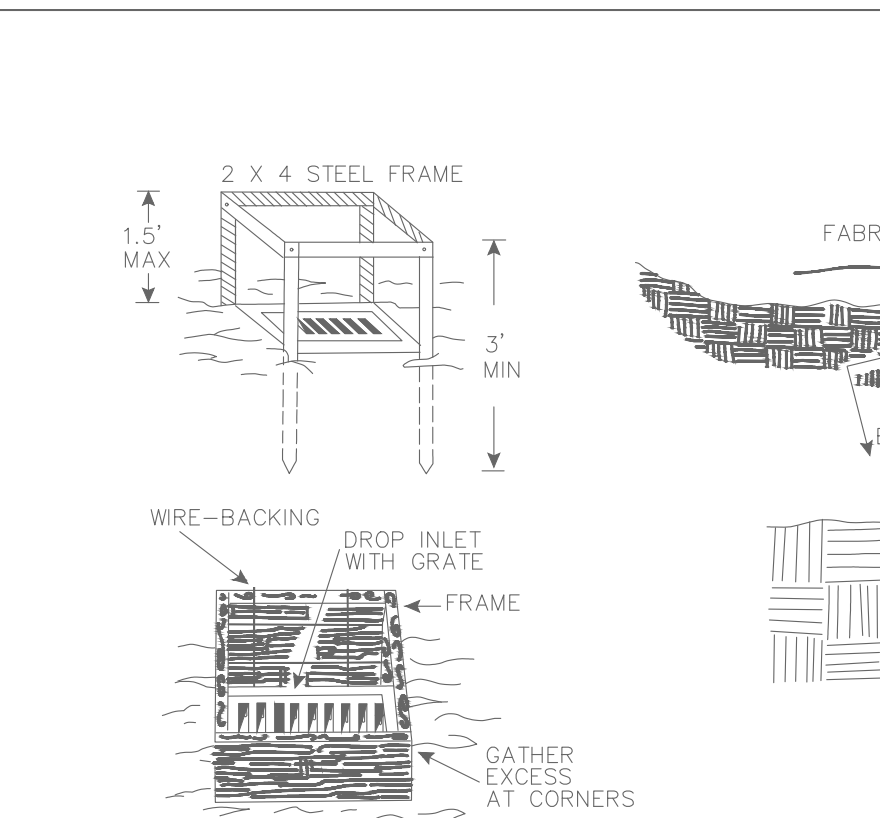


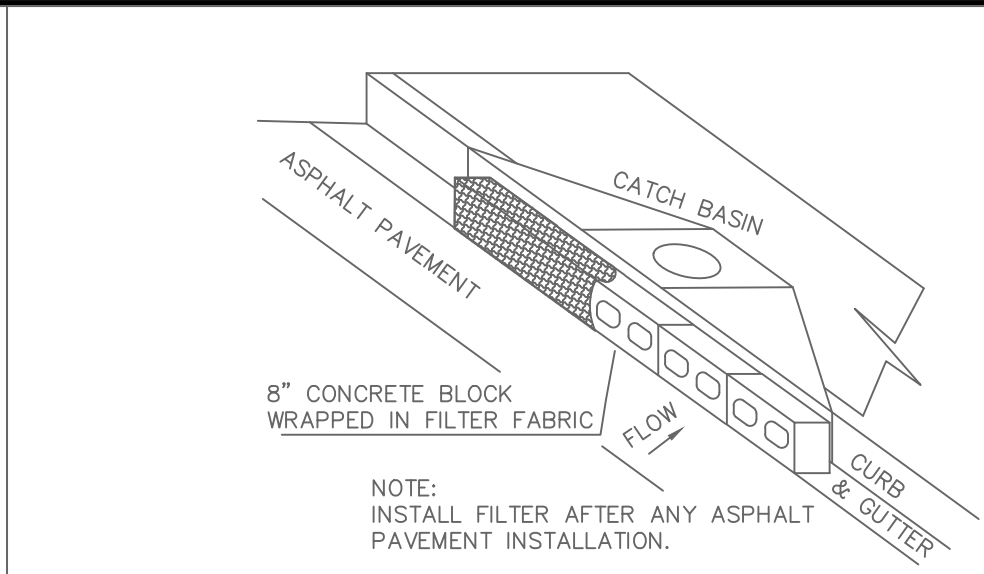
FIGURE 6-11.1  
Crushed Stone Construction Exit



Sd2 ALTERNATIVE SEDIMENT TRAP



Sd2-F FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

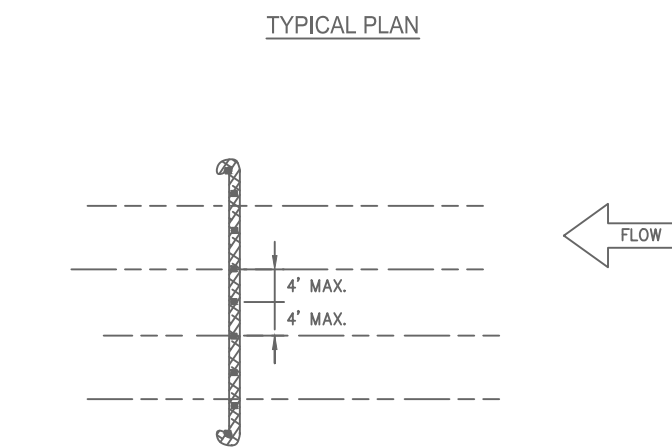


NOTE: INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.

INFORMATION OBTAINED FROM FIGURE 6-21.5  
CURB INLET FILTER  
"PIGS IN BLANKET"

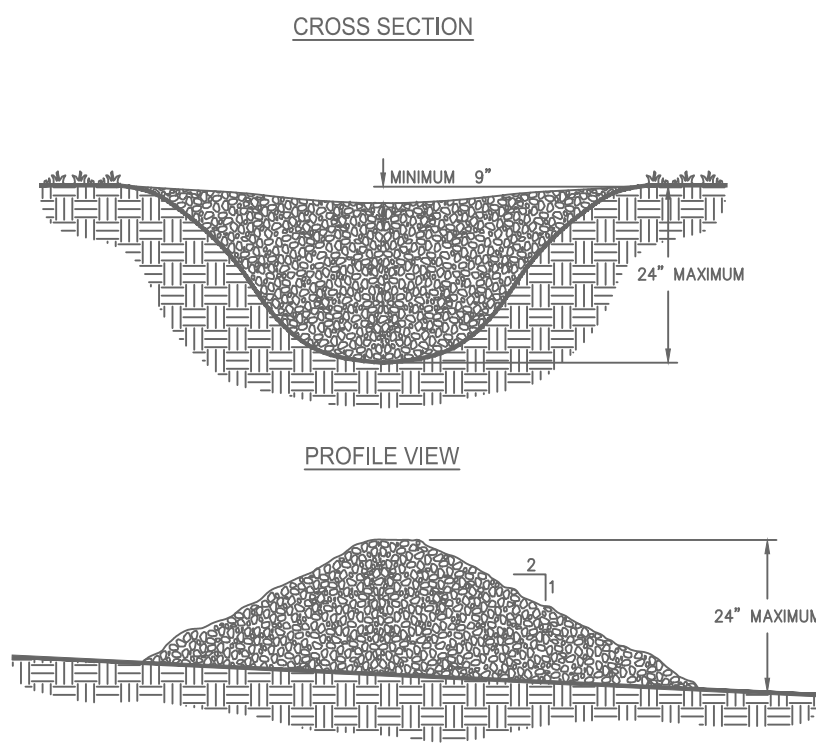
Sd2-P

COMPOST SOCKS FOR CHECK DAMS



- NOTES:
1. ALL MATERIAL TO MEET SPECIFICATIONS.
  2. PLACE ONE STAKE AT THE CENTER OF THE DITCH/CHANNEL. ALSO PLACE STAKES AT THE BED/BANK JUNCTION AND AT END OF THE DEVICE NOT SPACED MORE THAN 4 FEET APART.
  3. SEDIMENT SHOULD BE REMOVED FROM BEHIND THE CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.
  4. CHECK DAMS CAN BE DIRECT SEED AT THE TIME OF INSTALLATION.
  5. MINIMUM STAKING DEPTH FOR SAND, SILT, AND CLAY SHALL BE 18".

STONE CHECK DAM



- NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
  2. THE SPACING AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
  3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 1/2 INCHES LOWER THAN THE OUTER EDGES.
  4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
  5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 Slope.
  6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO MASTRO #4286-96, SECTION 7.3, TABLE 3).

DISTURBED STABILIZATION (DS1)

MULCH	PLANT RESIDUES OR OTHER SUITABLE MATERIALS, PRODUCED ON THE SITE IF POSSIBLE, TO THE SOIL SURFACE. SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:
1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.	
2. WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.	
3. OUTBACK ASPHALT (SLOW CURVES) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR 1/4 GALLON PER SQ. YD.).	
4. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND REUSED.	

TEMPORARY VEGETATIVE PLAN (DS2)

SPECIES	RATE/1000 S.F.	DATES	FERTILIZER RATE/1000 S.F.
MILLET	1-2 LBS	5-15 TO 8-31	6-12-12 25-35 LBS
RYE	2-3 LBS	10-15 TO 2-15	6-12-12 25-35 LBS

PERMANENT GRASSING PLAN (DS3)

SPECIES	RATE/1000 S.F.	DATES	FERTILIZER RATE/1000 S.F.
WEEPING LOVEGRASS	12-40 LB	3-1 TO 6-15	6-12-12 25-35 LBS
VIRGATA OF SERICEA LESPEDEZA (SCARIFIED)	1-2 LB.	3-1 TO 6-15	6-12-12 25-35 LBS
ALL FESCUE GRASS	8-10 LB	9-1 TO 11-1	6-12-12 25-35 LBS
BERMUDA GRASS (MULLED)	1-2 LB.	3-15 TO 6-15	6-12-12 25-35 LBS
STRAW MULCH	90 LB.	ANY TIME FOR TEMPORARY COVER.	

- NOTES:
1. ALL AREAS TO BE SEEDING SHALL HAVE LIME APPLIED AT THE RATE OF 90 LBS PER 1000 S.F. LIME & FERTILIZER TO BE APPLIED PRIOR TO APPLICATION OF SEED AND MIXED THOROUGHLY WITH THE SOIL.
  2. ALL AREAS SEEDING SHALL HAVE AN APPLICATION OF STRAW MULCH IMMEDIATELY AFTER APPLICATION OF SEED & FERTILIZER. APPROXIMATELY 2 TONS PER ACRE.
  3. PERMANENT GRASSING OCT. - JUNE. ALL OTHER MONTHS USE TEMPORARY GRASSING & REPLANT.
  4. USE TEMPORARY GRASSING IF INACTIVE DISTURBED AREA IS TO BE EXPOSED FOR MORE THAN 14 DAYS.
  5. REFER TO TABLE 6-1.2.3.4. 4 FOR COMPLETE VEGETATIVE CHARTS AND FERTILIZER REQUIREMENTS.

DEFINITION  
Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

CONDITIONS  
This practice is applicable to areas adjacent to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. TEMPORARY METHODS  
Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to standard TP-Excavation and Backfill. Resins such as Curbed or Terracast should be used according to manufacturer's recommendations.

Vegetative Cover. See standard DS2 - Disturbed Area Stabilization (With Temporary Seeding).

Spray-on Adhesives. These are used on natural soils (not effective on rock soils). Keep traffic off these areas. Refer to standard TP-Excavation and Backfill.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure which should be used before wind erosion starts. Begin plowing on windward side of site. Chisel type plows spaced about 12 inches apart, spring toothed harrows, and similar plows are examples of equipment which may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Sites are irrigated with water until the surface is wet. Repeat as needed.

Barriers. Silt board fences, snow fences, hurlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need reapplication.

B. PERMANENT METHODS  
Permanent Vegetation. See standard DS3 - Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See standard TP - Topsoiling.

Stones. Cover surface with crushed stone or coarse gravel. See standard Co-Construction Road Stabilization.

Du DUST CONTROL ON DISTURBED AREAS

GEORGIA  
UNIFORM CODING SYSTEM  
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES  
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a water drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A roadway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM CHANNEL			A temporary channel constructed to convey flow around a construction site with a permanent structure to be constructed.
Di	DIVERSION			An earth channel or ditch located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Di1	TEMPORARY DIVERSION STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and must be removed.
Di2	PERMANENT DIVERSION STRUCTURE			A paved chute, pipe, sectioned conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and panel outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gf	GRACE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROAD FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rl	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	MILE SEDIMENT TRAP			An temporary area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or rear.
Sk	FLOATING SURFACE DAMMER			A buoyant device that releases/catches water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Ssb	SEEP BERM			Linear control device constructed on a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
Si	STORMDRAIN OUTLET PROTECTION			A panel or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or stacked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Wl	WEEDED/MAINTAINED OR STORMWATER CONDUIT			Paved or vegetative water outlets for operations, terraces, berms, dikes or similar structures.

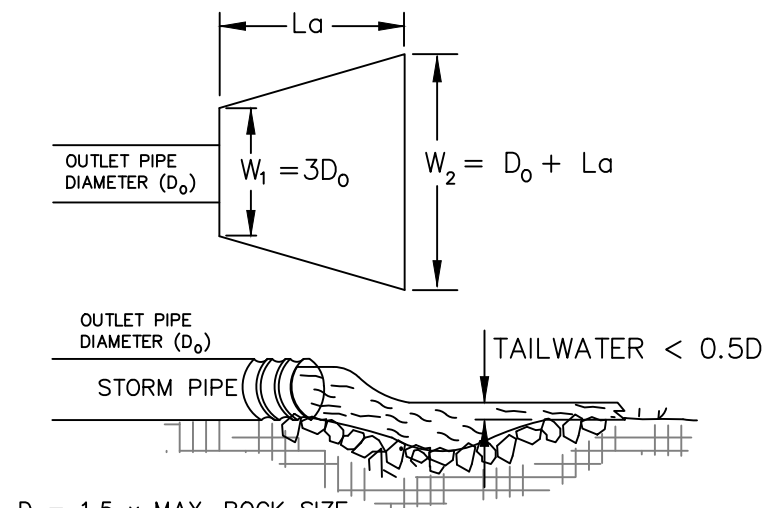
VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or retained existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	QUALITY DUNE VEGETATION			Planting vegetation on dunes that are eroded or artificially constructed, or re-landscaped.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing medium to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM. SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SOONER)			A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL IN DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fc	FLOCCULANTS AND COAGULANTS			Substance formulated to assist in the solid/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (LONG-TERM, VEGETATION)			The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tbc	TERRACES AND BERMS			Substance used to anchor straw or hay matting by passing the organic material to bind together.

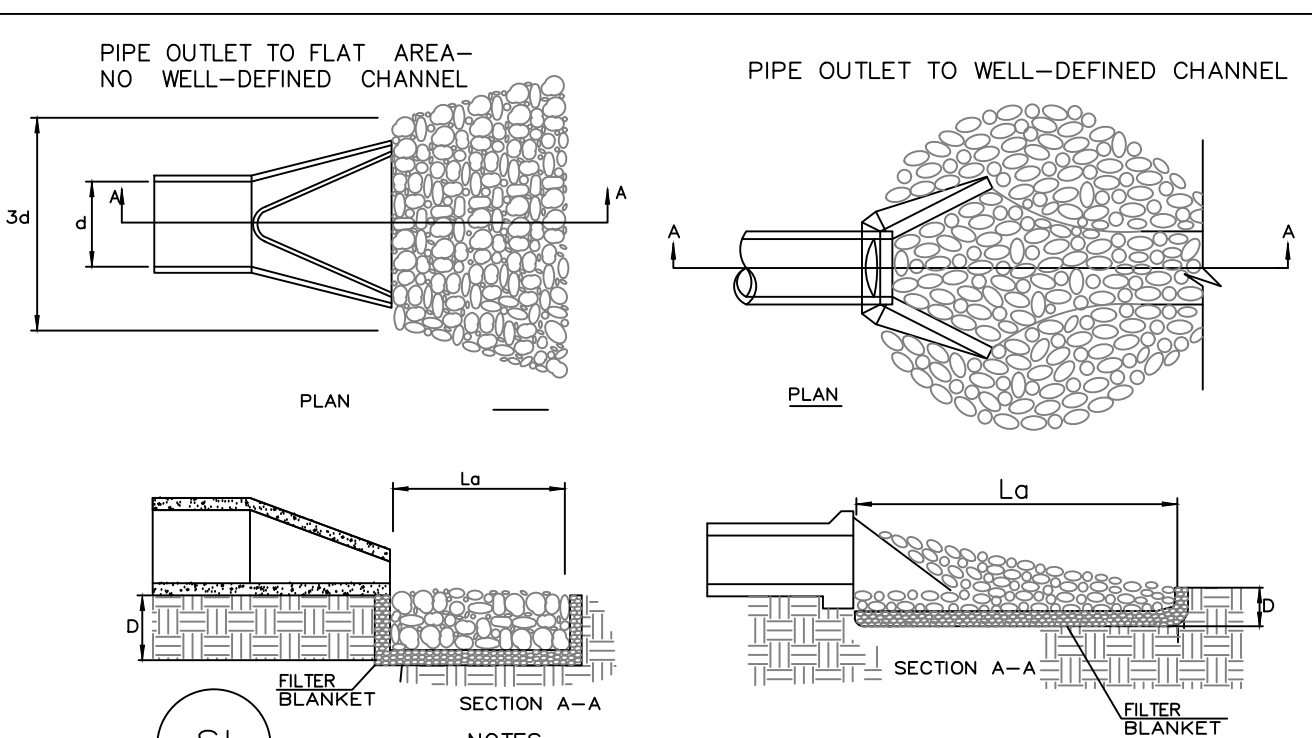
GeOBC (Amended - 2013)

TABLE "A"  
OUTLET PROTECTION TABLE

STRUCTURE NO.	PIPE SIZE (in)	FLOW Q(cfs)	VELOCITY (fps)	W1 (ft)	W2 (ft)	La (ft)	d50 (in)	D (in)
1.4	18	3.81	4.34	4.5	13.5	9	20.25	9
2.1	18	2.15	3.63	4.5	13.5	9	20.25	9



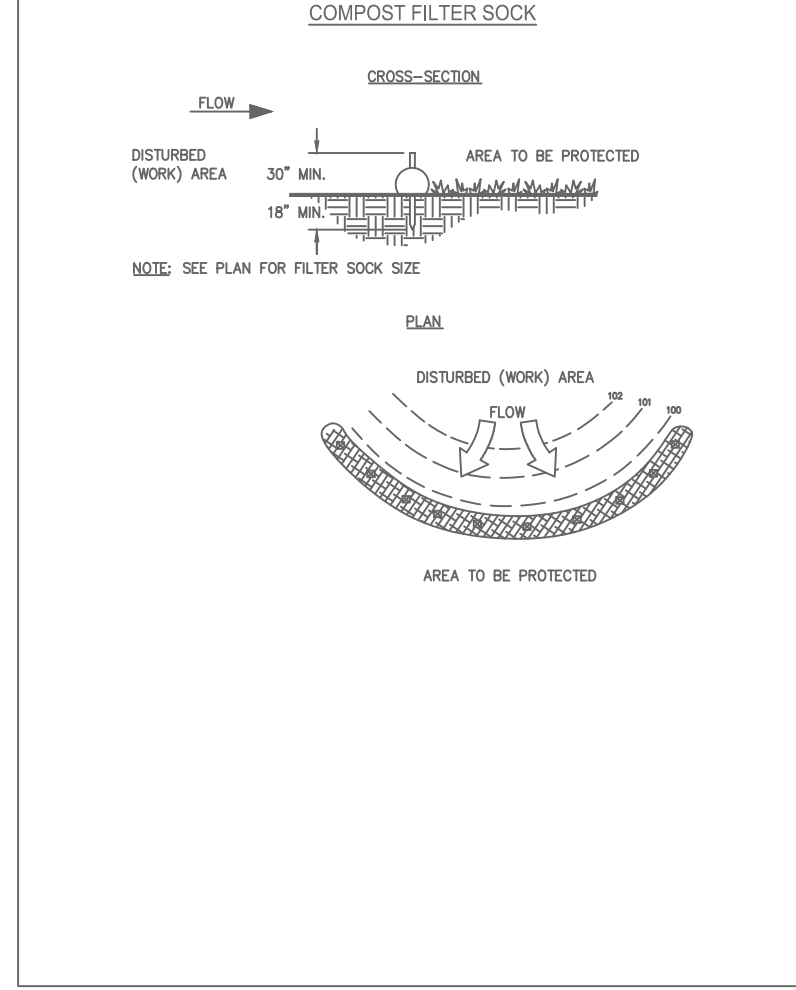
D = 1.5 x MAX. ROCK SIZE  
D = 2.25 x d50  
RIP RAP - GA DOT STD 805



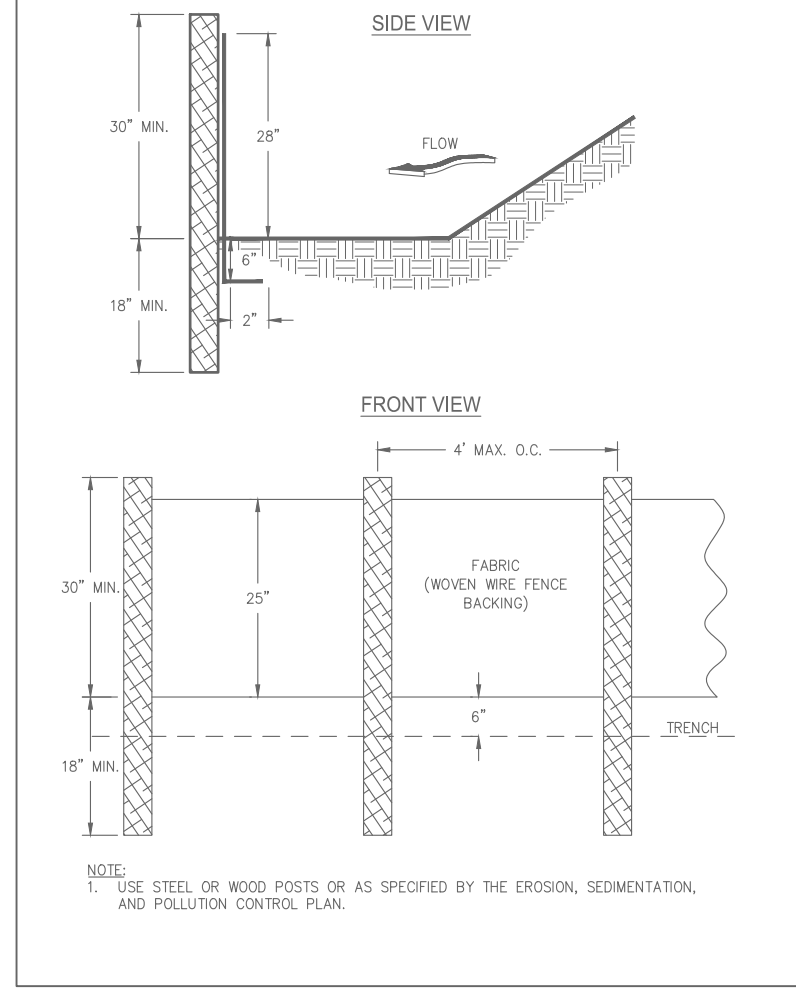
- NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
  2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
  3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 1' ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
  4. FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

FIGURE 6-24.3  
RIPRAP OUTLET PROTECTION

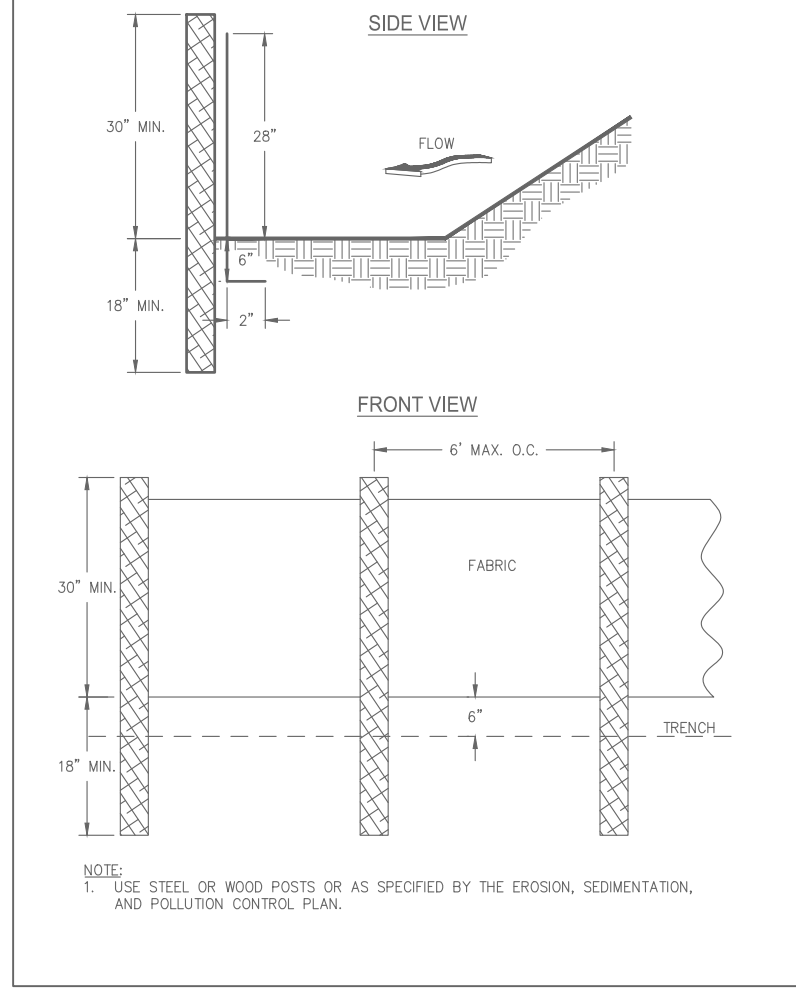
EROSION AND SEDIMENT CONTROL Sd1-NS



SILT FENCE - TYPE SENSITIVE Sd1-S



SILT FENCE - TYPE NON-SENSITIVE Sd1-NS



**KAIZEN COLLABORATIVE**  
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DATE	DESCRIPTION
01/13/2023	100% ISSUE FOR PERMIT
02/01/2023	100% IFP: ADDEN. 1 - "SIDEWALK"

PROJECT #	2019 - 196
PROJECT MANAGER	CA

**LaGRANGE THREAD PHASE 8 - PANTHER PARK CONNECTOR SIDEWALK LaGRANGE, GA**

REGISTERED PROFESSIONAL ENGINEER  
JOHN D. BASS  
No. 03459  
LEVEL II CERT. #7788  
EXPIRES: 09-29-2024

**EROSION CONTROL DETAILS**

SCALE	N.T.S.
DATE	JANUARY 13, 2023
SHEET #	<b>ED-01</b>

