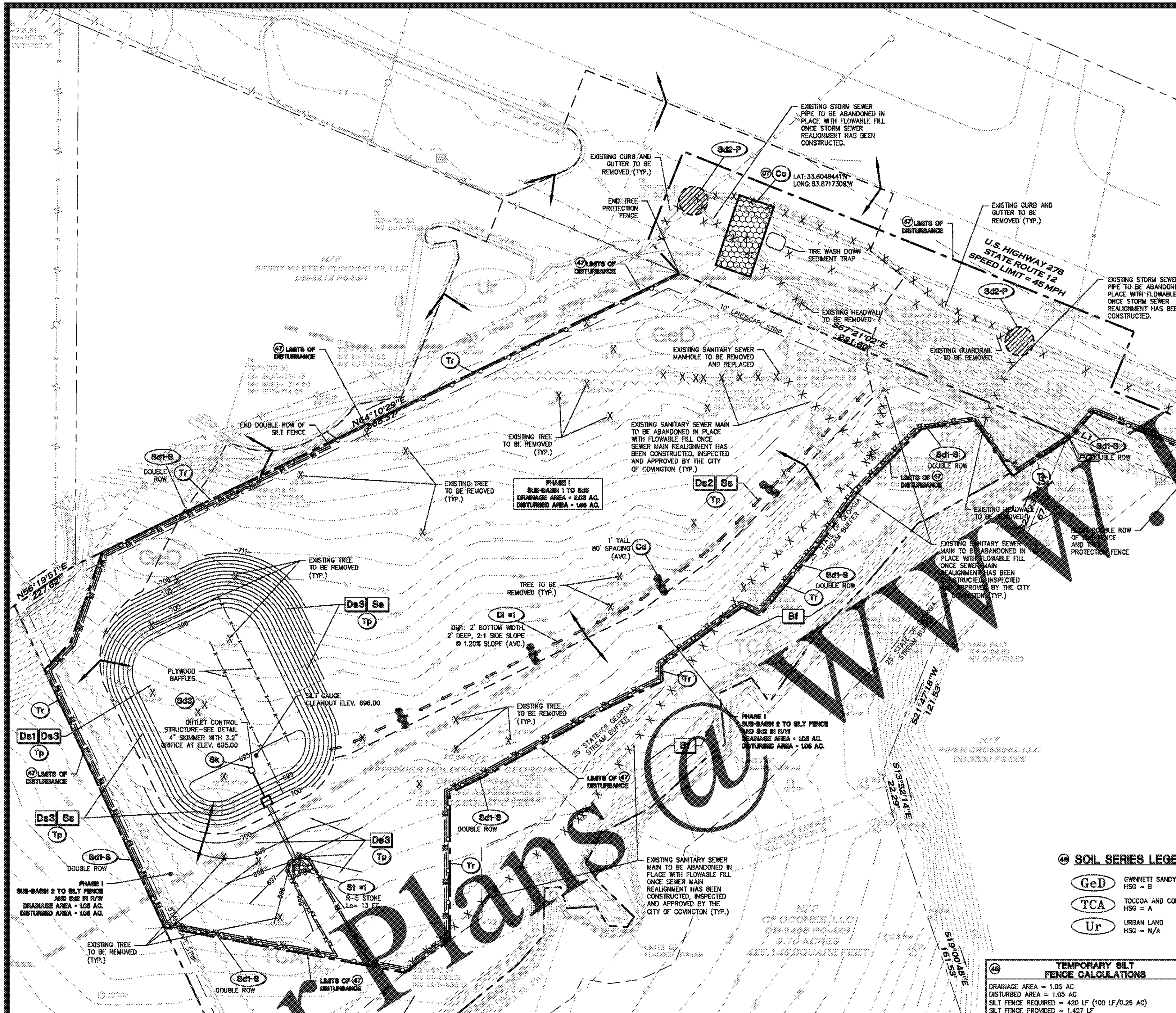

STORMWATER MONITORING

84 LOCATION #1

DRAINAGE FLOWS TO WILD PUPPY CREEK, WHICH ULTIMATELY DRAINS INTO THE YELLOW RIVER. THE YELLOW RIVER IS LISTED ON THE STATE 303d LIST. NO ADVERSE IMPACTS ARE ANTICIPATED FROM THIS DEVELOPMENT.

GEORGIA 811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

DEVELOPER/OWNER:

PREMIER HOLDINGS OF GEORGIA, LLC
3300 EASTERN BLVD.
MONTGOMERY, AL 36116
334-546-6689

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

04 24 HR LOCAL EMERGENCY CONTACT

T. HUNTER HYDE, P.E. (770)447-8999
WOLVERTON & ASSOC.

(CONTRACTOR'S NAME) (PHONE NUMBER)

NOTE: CONTRACTOR TO PROVIDE UPDATED INFORMATION ONCE CONTRACT IS AWARDED.

NOTE: SEE SURVEY FOR EXISTING LEGEND SYMBOLS

81 MULCHING SCHEDULE (Ds1)

MULCHING MATERIAL	RATE/ACRE
DRY STRAW OR HAY	2.5 TONS
WOOD WASTE, CHIPS, SAWDUST, OR BARK	6 TO 9 TONS (2 TO 3" DEEP)

81 TEMPORARY SEEDING SCHEDULE (Ds2)

SPECIES (MIXTURE OF)	RATE/ACRE	PLANTING DATES
SUDAN (SWEET OR SOFT)	60 LBS	APRIL1–SEPT 1
ANNUAL RYE GRASS	40 LBS	AUG 1–APRIL 15

NOTE: APPLY LIME AT THE RATE OF 1 TON/ACRE
REFER TO D–4A FOR FERTILIZER REQUIREMENTS

81 PERMANENT SEEDING SCHEDULE (Ds3)

SPECIES	RATE/ACRE	PLANTING DATES
COMMON BERMUDA (HULLED) (CYNODON DACTYLON)	10 LBS	MARCH 1–JULY 1
COMMON BERMUDA (UNHULLED) (CYNODON DACTYLON)	10 LBS	OCT 1–MAR 1
BAHIA PENSACOLA (PASPALUM NOTATUM)	60 LBS	JAN 1–DEC 31

NOTE: APPLY LIME AT THE RATE OF 1 TON/ACRE
REFER TO D–4A FOR FERTILIZER REQUIREMENTS

SOD PLANTING AND 81 FERTILIZATION REQUIREMENTS (Ds4)

SPECIES	FERTILIZER (N–P–K)	RATE (lbs/AC)	NITROGEN TOP DRESSING RATE (lbs/AC)
BERMUDA GRASS (COMMON)	6–12–12	1,500	50–100

NOTE: APPLY LIME AT THE RATE OF 1 TON/ACRE
REFER TO D–4A FOR FERTILIZER REQUIREMENTS

REFER TO PLAN SHEET ES-5 FOR FOR GENERAL NOTES, MAINTENANCE NOTES, SITE DATA & QUAD MAP

PROVIDE TEMPORARY IRRIGATION OR WATERING, VIA WATER TRUCK, AS NEEDED TO ESTABLISH TEMPORARY AND PERMANENT VEGETATION UNTIL THE PERMANENT IRRIGATION SYSTEM IS FULLY FUNCTION OR UNTIL THE NOT IS SUBMITTED IF A PERMANENT IRRIGATION SYSTEM ISN'T PLANNED. AREAS NOT HAVING A PERMANENT IRRIGATION SYSTEM SHALL BE IRRIGATED OR WATERED UNTIL THE NOT HAS BEEN SUBMITTED AND ACCEPTED.

46 SOIL SERIES LEGEND

GeD	GWINNETT SANDY LOAM HSG = B
TCA	TOCCOA AND CONGAREE SOILS HSG = A
Ur	URBAN LAND HSG = N/A

EROSION CONTROL LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- GRADE BREAK
- XXX — CONTOUR ELEVATIONS
- STORM DRAIN
- X.XX% — DIRECTION OF OVERLAND FLOW
- LIMITS OF DRAINAGE SUB–BASIN
- SOIL SERIES BOUNDARY
- SILT FENCE
- PLYWOOD BAFFLE
- TREE PROTECTION FENCE
- X X X X X — ITEMS TO BE REMOVED OR ABANDONED

48 TEMPORARY SILT FENCE CALCULATIONS (Sd1)

DRAINAGE AREA = 1.05 AC
DISTURBED AREA = 1.05 AC
SILT FENCE REQUIRED = 420 LF (100 LF/0.25 AC)
SILT FENCE PROVIDED = 1,427 LF

48 TEMPORARY SEDIMENT BASIN "1" CALCULATIONS (Sd3)

DRAINAGE AREA = 2.06 AC.
DISTURBED AREA = 1.73 AC.
SEDIMENT STORAGE REQUIRED = 138 CY (67 CY/AC.)
SEDIMENT STORAGE PROVIDED = 416 CY
CLEANOUT VOLUME REQUIRED = 46 CY (22 CY/AC.)
CLEANOUT VOLUME PROVIDED = 139 CY
CLEANOUT VOLUME ELEVATION = 696.00

08 ACREAGE SUMMARY (IN ACRES)

SITE AREA	3.00 AC±
ON–SITE DISTURBED AREA	2.31 AC±
OFF–SITE DISTURBED AREA	0.39 AC±
TOTAL DISTURBED AREA (MUST MATCH NOI)	2.70 AC±
IMPERVIOUS AREA AT COMPLETION	0.73 AC±
PERVIOUS AREA AT COMPLETION	1.97 AC±

CONSERVATION COMMISSION NOTES

20 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.

19 THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES.

ALL EROSION & SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY AFTER ONSITE INSPECTION BY THE ISSUING AUTHORITY.

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

15 LOCATION MAP

NOT TO SCALE

SITE

88 STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
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.
Di	DIVERSION			An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
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.
Sd1	SEDIMENT BARRIER		(TYPE "S")	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	INLET SEDIMENT TRAP			An impounding 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.
Sk	FLOATING SURFACE SKIMMER			A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
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.

88 VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.

LIMITS OF DISTURBANCE NOTE:
WHERE LIMITS OF DISTURBANCE LINE IS SHOWN PARALLEL TO PROPERTY LINE THE ACTUAL LIMITS OF DISTURBANCE SHALL BE THE PROPERTY LINE. LIMITS OF DISTURBANCE ARE SHOWN OUTSIDE OF THE PROPERTY LINE FOR GRAPHICAL REPRESENTATION ONLY.

(xx) REPRESENTS NOTE/FEATURE WHICH CORRESPONDS WITH THE ES&PC PLAN CHECKLIST

PHASE I
EROSION SEDIMENTATION & POLLUTION CONTROL PLAN

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

WOLVERTON
Engineering Solutions You Can Trust
6745 Sugarloaf Parkway • Suite 100 • Duluth, Georgia 30097
Phone: 770-447-8999
www.wolverton-inc.com

GSWCC# 22364

Project Title
PROPOSED BURGER KING
COVINGTON, GA
BY: PREMIER HOLDINGS OF GEORGIA, LLC
MONTGOMERY, AL

02 08 OUT TO BID

REVISIONS	BY

DRAWN BY	SCR
CHECKED BY	THH
DATE:	06/27/2018
SCALE:	1"= 30'
JOB No.	17-CE-015
SHEET NUMBER	ES-1

17-CE-015 MAIN.DWG

USER shenell.robinson – Jul 03, 2018 – 2:03pm
Z:\All Project Data\Projects\2017\17-CE-015 Covington GA Premier Kings\CE\Production\Production Drawings\17-CE-015 Main.dwg – LAYOUT: ES-1 VERSION: ------

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