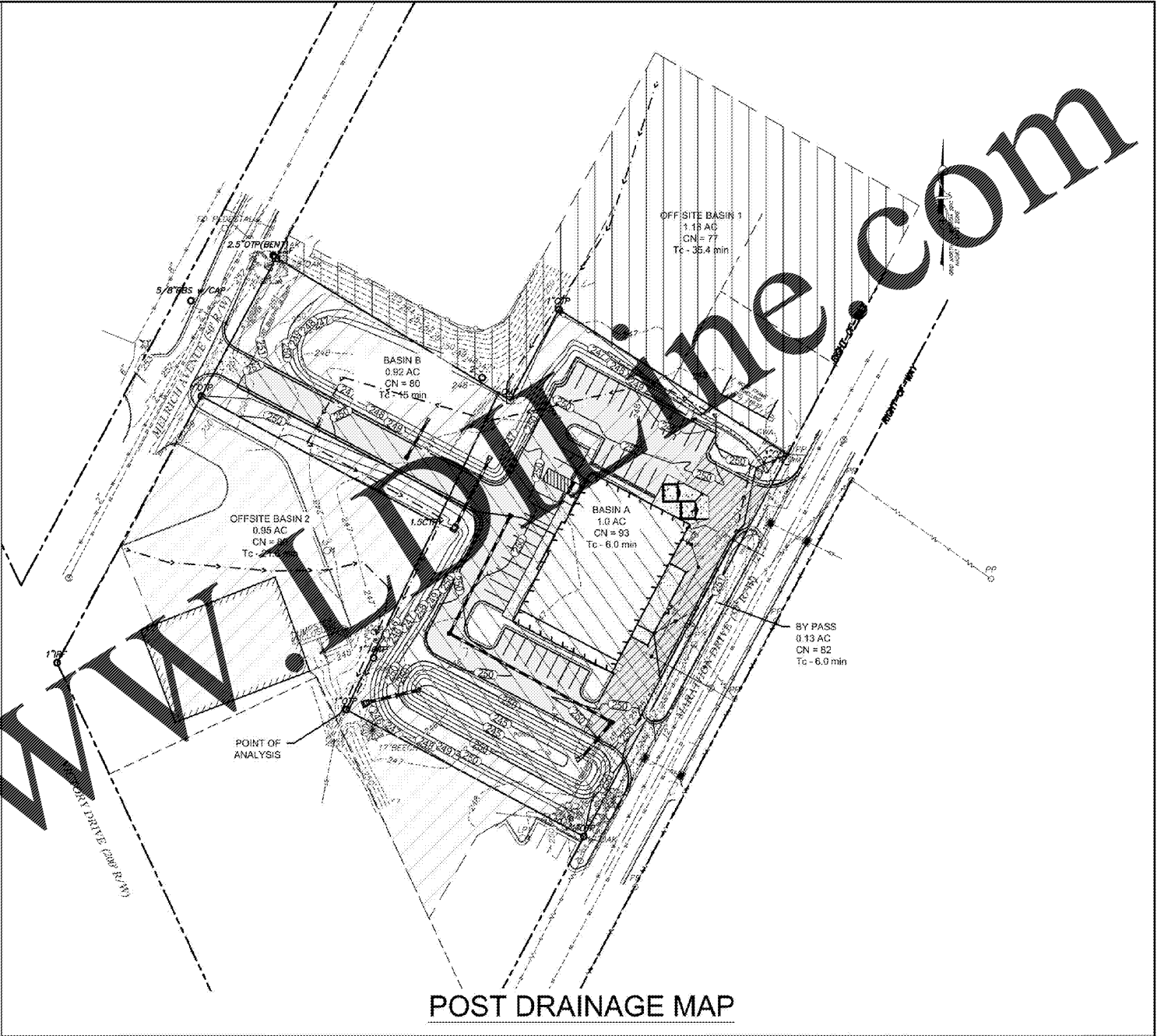
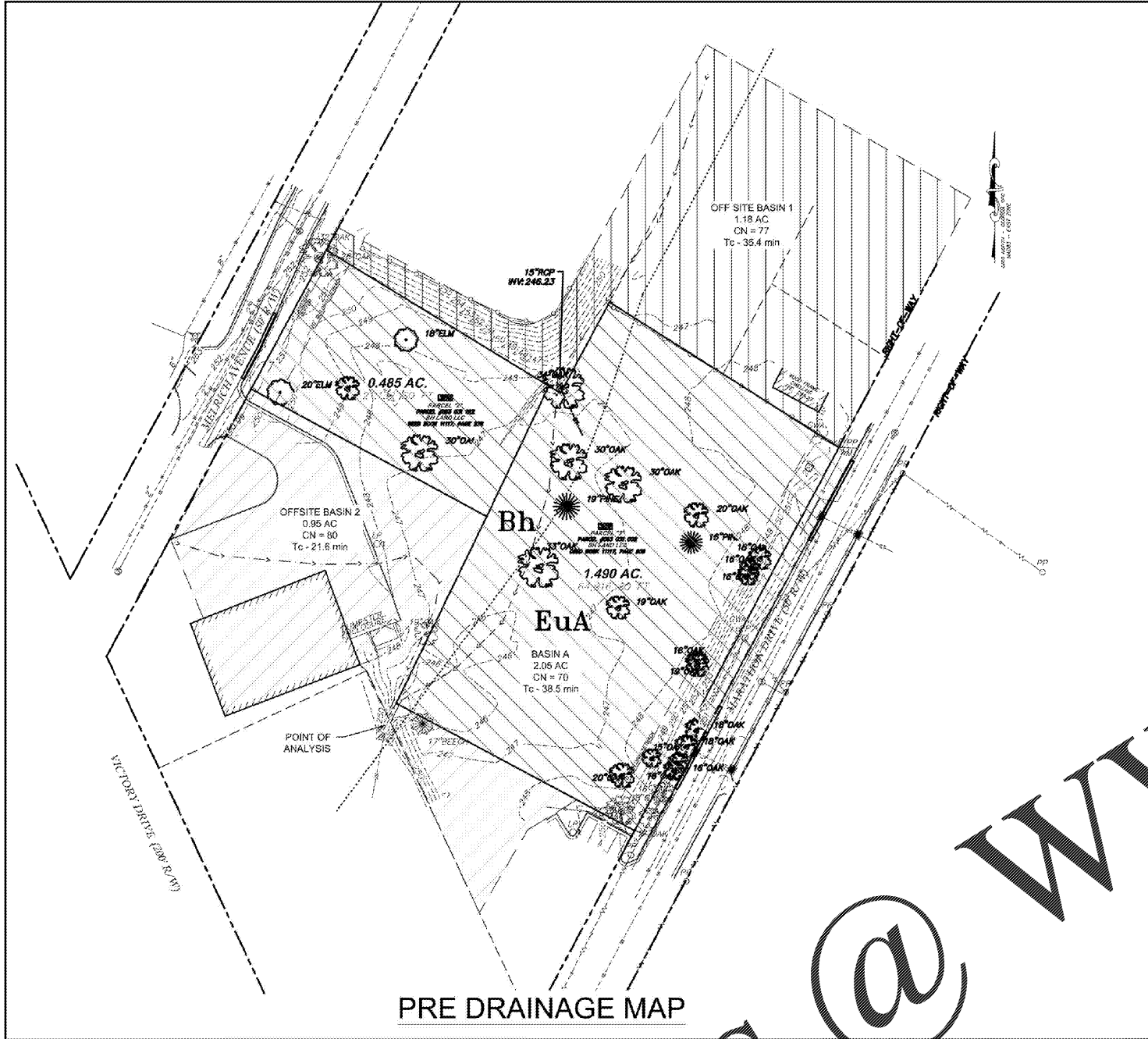


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HYDROLOGIC INFORMATION: [CHECKLIST #42,43,44]

PRE-DEVELOPED	POST-DEVELOPED
<p>BASIN A: 2.05 AC</p> <ul style="list-style-type: none"> PRE-DEVELOPED RUN-OFF CURVE NUMBER: 70 PASTURE (GOOD COND. - HSG B): 0.73 AC (CN: 61) PASTURE (GOOD COND. - HSG C): 1.33 AC (CN: 74) TIME OF CONCENTRATION: 38.5 MIN PRE-DEVELOPED 25^{YEAR} RUN-OFF: 5.81 CFS <p>OFF SITE BASIN 1: 1.18 AC</p> <ul style="list-style-type: none"> PRE-DEVELOPED RUN-OFF CURVE NUMBER: 77 IMPERVIOUS: 0.2 AC (CN: 98) WOODED (GOOD COND. - HSG B): 0.5 AC (CN: 74) WOODED (GOOD COND. - HSG C): 0.48 AC (CN: 72) TIME OF CONCENTRATION: 35.4 MIN PRE-DEVELOPED 25^{YEAR} RUN-OFF: 4.25 CFS <p>OFF SITE BASIN 2: 0.95 AC</p> <ul style="list-style-type: none"> PRE-DEVELOPED RUN-OFF CURVE NUMBER: 80 IMPERVIOUS: 0.1 AC (CN: 98) WOODED (GOOD COND. - HSG B): 0.2 AC (CN: 53) WOODED (GOOD COND. - HSG C): 0.15 AC (CN: 53) TIME OF CONCENTRATION: 21.6 MIN PRE-DEVELOPED 25^{YEAR} RUN-OFF: 1.83 CFS 	<p>BASIN A: 1.0 AC</p> <ul style="list-style-type: none"> PRE-DEVELOPED RUN-OFF CURVE NUMBER: 93 IMPERVIOUS: 0.78 AC (CN: 98) LANDSCAPE: 0.22 AC (CN: 74) TIME OF CONCENTRATION: 6.0 MIN PRE-DEVELOPED 25^{YEAR} RUN-OFF: 1.95 CFS <p>BASIN B: 0.92 AC</p> <ul style="list-style-type: none"> PRE-DEVELOPED RUN-OFF CURVE NUMBER: 80 IMPERVIOUS: 0.22 AC (CN: 98) LANDSCAPE: 0.70 AC (CN: 74) TIME OF CONCENTRATION: 15.0 MIN PRE-DEVELOPED 25^{YEAR} RUN-OFF: 5.6 CFS <p>BYPASS: 0.13 AC</p> <ul style="list-style-type: none"> PRE-DEVELOPED RUN-OFF CURVE NUMBER: 82 IMPERVIOUS: 0.08 AC (CN: 98) LANDSCAPE: 0.07 AC (CN: 69) TIME OF CONCENTRATION: 6.0 MIN PRE-DEVELOPED 25^{YEAR} RUN-OFF: 1.08 CFS

REFER TO HYDROLOGY REPORT FOR FULL HYDRO ANALYSIS.

SITE INFORMATION

ADDRESS: 3610 MELRICH AVENUE
 PROPERTY AREA: 2.0 AC
 PROPERTY OWNING: LLC
 BUILDING SETBACKS:
 FRONT: 20 FEET
 SIDE: 0.15 FEET
 SIDE CORNER: 20 FEET
 REAR: 0.15 FEET

DRAINAGE SUMMARY:

THE DOLLAR TREE IS A PROPOSED PROJECT THAT IS LOCATED AT 3610 MELRICH AVENUE, COLUMBUS, GEORGIA. THE TOTAL SIZE OF THE PROJECT IS 2.0 ACRES. CURRENTLY THE PROJECT AREA CONSISTS OF AN OPEN LOT WITH LIMITED VEGETATION AND SCATTERED TREES. THE PRE-DEVELOPMENT CONDITIONS FOR THE SITE CONSISTS OF TWO HIGH POINTS, ONE AT THE NORTHWEST PROPERTY EDGE ON PARCEL 2 FROM MELRICH AVENUE & AT THE NORTHEASTERN CORNER OF PARCEL 3 AT MARATHON DRIVE. THESE HIGH POINTS SHEET FLOW TOWARDS THE LOW POINT OF THE SITE AT THE SOUTHWEST CORNER OF PARCEL 3. THE PROPOSED DEVELOPMENT WILL CONSIST OF CONSTRUCTING A 9,977 SF DOLLAR TREE RETAIL STORE IN THE CENTER OF THE PROPERTY WITH ASSOCIATED ASPHALT DRIVE AND PARKING. THE POST DEVELOPMENT CONDITIONS FOR THE SITE CONSIST OF SETTING THE BUILDING FINISHED FLOOR ELEVATION AT 251.0 AND HAVE THE PROPERTY SHEET FLOW TOWARDS PROPOSED STRUCTURES TO BE ROUTED THROUGH A POND AT THE SOUTH SIDE OF THE SITE OR THROUGH GRASS CHANNELS TOWARDS A CROSS DRAIN BENEATH THE ACCESS ROAD TO MELRICH AVENUE TOWARDS THE LOW POINT OF THE SITE AT THE SOUTHWEST CORNER. THE OUTLET CONTROL STRUCTURE AT THE POND WILL DISCHARGE AT THE LOW POINT OF THE SITE THROUGH A DISSIPATING HEADWALL AND THEN SHEET FLOW OFFSITE.

FLOODPLAIN NOTES:

THE PROPERTY SHOWN HEREON IS LOCATED ON MAP NO. 1351580066F OF THE FEMA FLOOD INSURANCE RATE MAP COVERING CITY OF COLUMBUS-MUSCOGEE COUNTY, GEORGIA, REVISED SEPTEMBER 5, 2007, AND SHOWS THIS PROPERTY IS NOT LOCATED IN A DESIGNATED FLOOD HAZARD AREA.

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 www.Georgia811.com
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[CHECKLIST #4]

24 HOUR CONTACT:
 TO BE DETERMINED
 (XXX) XXX-XXXX

[CHECKLIST #2] LEVEL II CERTIFICATION

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Joel D Wornack
 Level II Certified Design Professional

CERTIFICATION NUMBER 0000061976
 ISSUED 03/28/2017 EXPIRES 03/28/2020

enc CIVIL MARINE ENVIRONMENTAL

REV.	DATE	DRN	CHK	DESCRIPTION

DOCUMENT CONTROL

GEORGIA
 REGISTERED PROFESSIONAL ENGINEER
 NO. 129441
 05/14/2017
 JOEL DAVID WORNACK

DOLLAR TREE

COLUMBUS, GA
 HYDROLOGY PLAN

PROJ. NO. 17-7039 DWG. NO. C-15.0