

SITE NOTES:

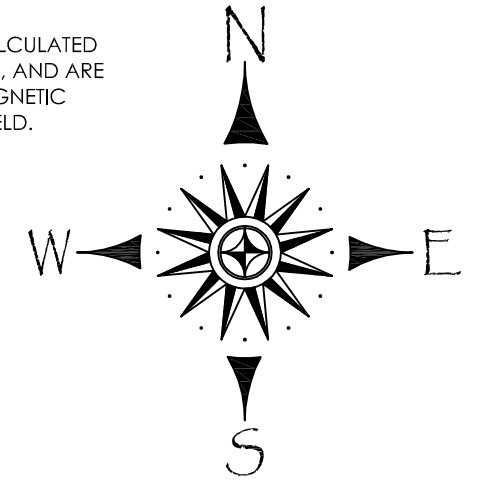
- 1 PROPOSED CONSTRUCTION EXIT. (SEE DETAIL)
- 2 EXISTING SILT FENCE, TYPE-C SENSITIVE (SEE DETAIL) TO BE MOVED (SEE SITE NOTE 6) (Sd1-S)
- 3 EXISTING 2-STORY HOME.
- 4 PROPOSED TREE PROTECTION FENCE (SEE DETAIL).
- 5 PROPOSED LIMITS OF DISTURBANCE, L.O.D. (53,700 SQ.FT.)
- 6 PROPOSED SILT-FENCE, TYPE-C SENSITIVE (SEE DETAILS) (Sd1-S)
- 7 THE SITE IS STABILIZED. TEMPORARY SEDIMENT CONTROL WILL NOT BE NECESSARY. BUILDER WILL INSTALL PERMANENT RUNOFF CONTROL PRIOR TO 7 DAY INSPECTION OF BMP(S). SEE SITE PLAN PERMIT# BR18-00084
- 8 LOCATION OF 4' x 8' LARGE SIGN FOR AN IMPAIRED STREAM SEGMENT
- 9 FLOCULANTS AND COAGULANTS WILL BE SPRAYED ON THE SILT FENCE BETWEEN THE SITE AND THE IMPAIRED STREAM (APPROXIMATELY 80 LINEAR FEET) (FI-Co)
- 9 PROPOSED SILT FENCE, TYPE C SENSITIVE - DOUBLE ROW

24-HOUR CONTACT: CALEB RHODES (678) 873-7051

TOTAL SITE AREA
89,011 SQ. FT.
2.043 ACRES

SITE ACREAGE = 2.043 ACRES
DISTURBED ACREAGE = 1.23 ACRES

ALL BEARINGS ARE CALCULATED FROM ANGLES TURNED, AND ARE BASED ON SINGLE MAGNETIC READING TAKING IN FIELD.



TOTAL DRAINAGE AREA = 66,715 SF or 1.53 ACRES

PEAK DISCHARGE - PRE DEVELOPMENT CONDITIONS

COVER DESCRIPTION	SOIL NAME	GROUP A,B,C,D	AREA	RUNOFF COEFFICIENT
APPLING (SOIL)		B	4,368	
CECIL (SOIL)		B	37,615	0.15
PACOLET (SOIL)		B	11,558	0.15
EXISTING IMPERVIOUS			13,174	0.95

$Q_p = C_x(C)I^2x$
PEAK RUNOFF = $(1.10)(.95)(1.9)(1.53) = 3.04$ cfs

PEAK DISCHARGE - POST DEVELOPMENT CONDITIONS

COVER DESCRIPTION	SOIL NAME	GROUP A,B,C,D	CN FROM	AREA	RUNOFF COEFFICIENT
APPLING (SOIL)		B	61	4,368	0.15
MISC. REAR (SOIL)		B	61	37,615	0.15
PACOLET (SOIL)		B	61	11,558	0.15
PROPOSED IMPERVIOUS			98	8,760	0.95

$Q_p = C_x(C)I^2x$
PEAK RUNOFF = $(1.10)(.95)(1.3)(1.53) = 2.08$ cfs

PRE-DEVELOPMENT RUNOFF COEFFICIENT

LAND USE	% OF LAND AREA	RUNOFF COEFFICIENT	WEIGHTED RUNOFF COEFFICIENT
RESIDENTIAL	0.20	0.50	0.10
GRADED AREA	0.80	0.30	0.24
TOTAL WEIGHTED	0.340		

POST-DEVELOPMENT RUNOFF COEFFICIENT

LAND USE	% OF LAND AREA	RUNOFF COEFFICIENT	WEIGHTED RUNOFF COEFFICIENT
RESIDENTIAL	0.13	0.50	0.065
GRADED AREA	0.87	0.30	0.261
TOTAL WEIGHTED	0.342		

BOUNDARY TREE REPLACEMENT CALCULATIONS

35" HARDWOOD: REPLACEMENT TREE _____ COST \$ _____
30" PINE: REPLACEMENT TREE _____ COST \$ _____
TOTAL FUNDS INTO ACCOUNT (REMOVAL + REPLACEMENT) = \$ _____

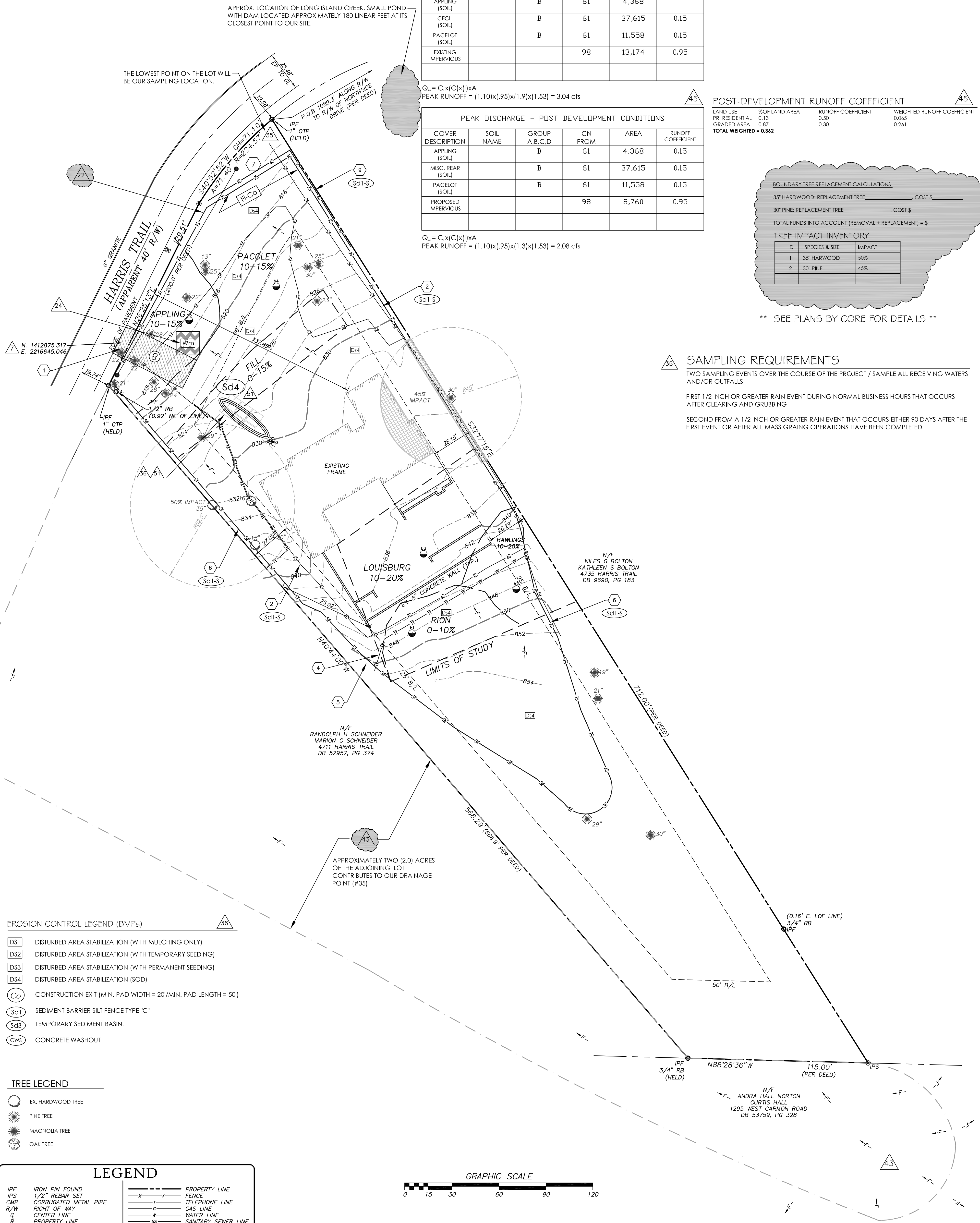
TREE IMPACT INVENTORY

ID	SPECIES & SIZE	IMPACT
1	35" HARDWOOD	50%
2	30" PINE	45%

** SEE PLANS BY CORE FOR DETAILS **

SAMPLING REQUIREMENTS

- TWO SAMPLING EVENTS OVER THE COURSE OF THE PROJECT / SAMPLE ALL RECEIVING WATERS AND/OR OUTFALLS
- FIRST 1/2 INCH OR GREATER RAIN EVENT DURING NORMAL BUSINESS HOURS THAT OCCURS AFTER CLEARING AND GRUBBING
- SECOND FROM A 1/2 INCH OR GREATER RAIN EVENT THAT OCCURS EITHER 90 DAYS AFTER THE FIRST EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED



EROSION CONTROL LEGEND (BMPs)

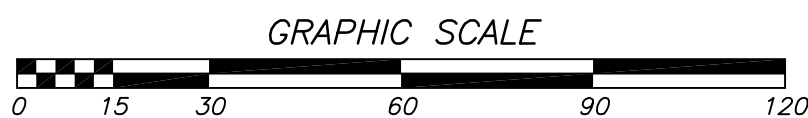
- DS1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
- DS2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- DS3 DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
- DS4 DISTURBED AREA STABILIZATION (SOD)
- CO CONSTRUCTION EXIT (MIN. PAD WIDTH = 20'/MIN. PAD LENGTH = 50')
- Sd1 SEDIMENT BARRIER SILT FENCE TYPE "C"
- Sd3 TEMPORARY SEDIMENT BASIN.
- CWS CONCRETE WASHOUT

TREE LEGEND

- EX. HARDWOOD TREE
- PINE TREE
- MAGNOLIA TREE
- OAK TREE

LEGEND

- IPF IRON PIN FOUND
- IPS 1/2" REBAR SET
- CMP CORRUGATED METAL PIPE
- R/W RIGHT OF WAY
- CL CENTER LINE
- PL PROPERTY LINE
- FES FLARED END SECTION
- L.L.L. LAND LOT LINE
- T.B.M. TEMPORARY BENCHMARK
- INV INVERT ELEVATION
- SM SANITARY SEWER MANHOLE
- PO POWER POLE
- FH FIRE HYDRANT
- LP LIGHT POLE
- ICV IRRIGATION CONTROL VALVE
- GP GEORGIA POWER MANHOLE LID
- TC TELE COMM. MANHOLE LID
- GV GAS VALVE
- B BENCHMARK
- IPF IRON PIN FOUND
- PROPERTY LINE
- FENCE
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- SANITARY SEWER LINE
- POWER LINE
- FIRE DEPT. LINE
- CRIMP TOP PIPE
- REBAR
- SIDEWALK LIGHTS
- DRAIN INLET
- SAN. SEWER MANHOLE
- CLEANOUT
- WATER METER
- WATER VALVE
- GUY WIRE
- AIR CONDITIONER
- NOW OR FORMERLY
- PERC. TEST (BOREHOLE)
- 4x4 TRANSFORMER
- RAIL ROAD TIE WALL



GSWCC Georgia Soil and Water Conservation Commission

Bryan C Long
Level II Certified Design Professional

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ISSUED: 10/22/2018 EXPIRES: 11/22/2021

