

STORMWATER QUANTITY ANALYSIS

DRAINAGE BASIN	PHASE	DRAINAGE AREA (AC)	WOODS (AC)	GRASS (AC)	IMPERV (AC)	COMPOSITE CN	Tc (MIN)	Q2 (CFS)	Q10 (CFS)	Q25 (CFS)	Q50 (CFS)	Q100 (CFS)	NOTES
1	PRE-DEV	2.62	0.15	0.00	0.00	77.0	11.30	5.88	10.95	13.98	16.34	18.68	1 STORMWATER WETLAND
	POST-DEV MANAGED	4.27	0.15	1.46	2.06	91.1	5.00	17.48	27.55	33.33	37.80	42.20	
2	PRE-DEV	6.18	1.46	0.00	0.00	73.8	7.10	13.16	25.62	33.18	39.10	45.04	1 STORMWATER WETLAND
	POST-DEV MANAGED	4.51	1.46	2.30	0.75	78.7	5.00	12.89	23.39	29.57	34.42	39.23	



LEGEND

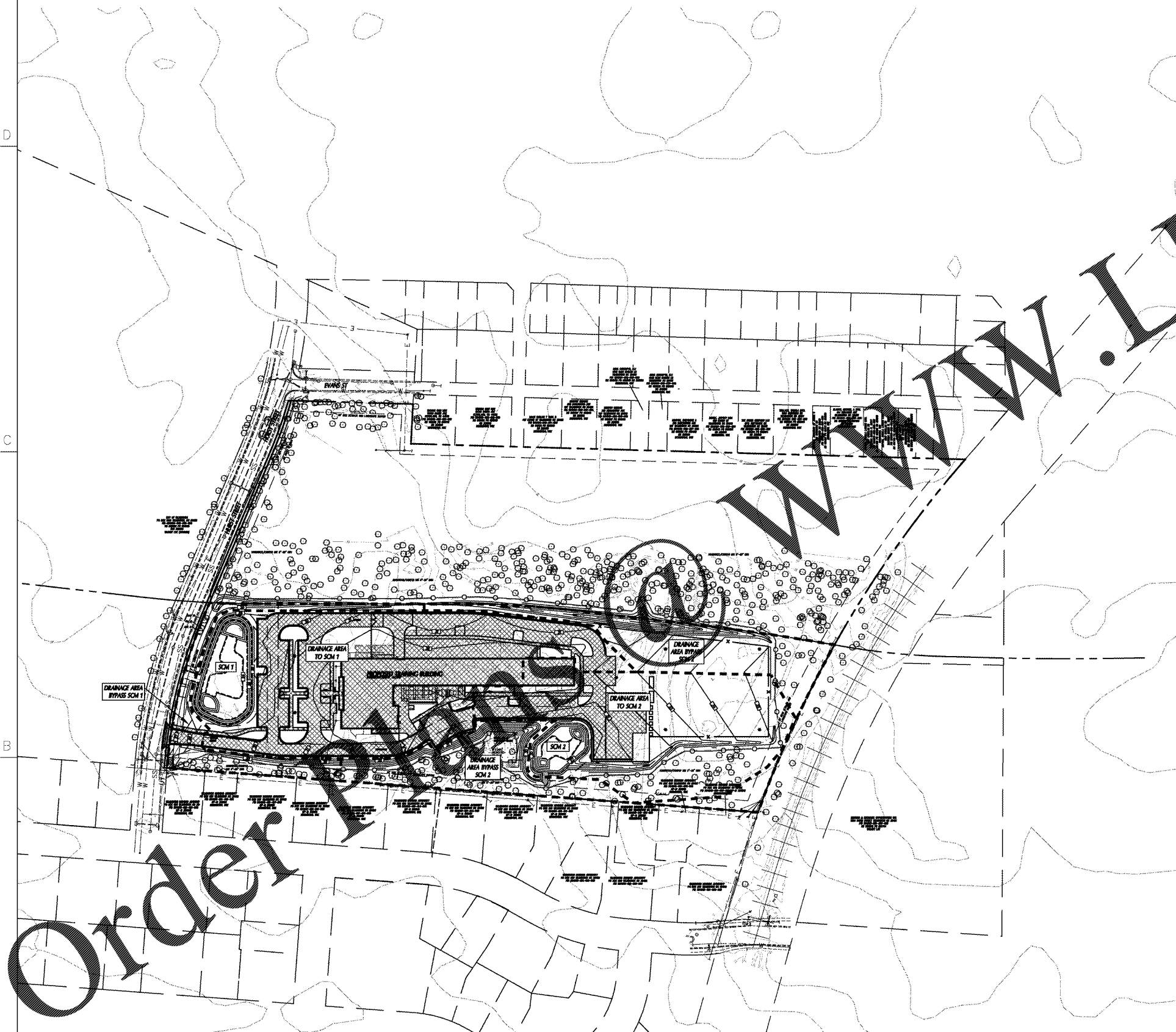
DRAINAGE AREAS

IMPERVIOUS AREAS

CONTOURS FROM SURVEY

CONTOURS FROM GIS

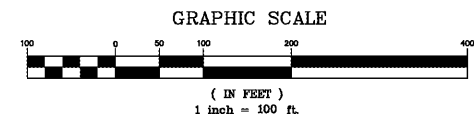
PROPOSED CONTOURS



POST-DEVELOPMENT AREAS

DRAINAGE AREA	DESCRIPTION	AREA (AC)
"1"	POST-DEVELOPMENT STUDY AREA	4.27
	POST-DEVELOPMENT PROPOSED IMPERVIOUS AREA	2.40*
	POST-DEVELOPMENT FUTURE IMPERVIOUS AREA	0.26
"2"	POST-DEVELOPMENT STUDY AREA	4.51
	POST-DEVELOPMENT PROPOSED IMPERVIOUS AREA	0.69
	POST-DEVELOPMENT FUTURE IMPERVIOUS AREA	0.06

*RUNOFF FROM 235 AC FLOWS TO SCM 1 AND RUNOFF FROM 0.05 AC BY-PASSES SCM 1



APPROVED CONSTRUCTION PLAN

NAME _____ DATE _____

PLANNING _____

TRAFFIC _____

FIRE _____

City of WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

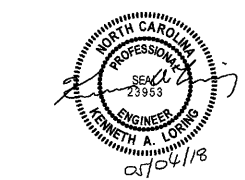
Date: _____ Permit # _____

Signed: _____

WILMINGTON, NC
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TRAINING FACILITY
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LA: C-106, PE: C-1595



SUBMITTAL
4 MAY 2018
CONSTRUCTION DOCUMENTS

SHEET
POST-DEV. STMW
QUANTITY DA
C303

DESIGN: ZRP
DRAWN: YA, DL
REVIEW: ZRP, KAL
CN 5938
CLH 18-161