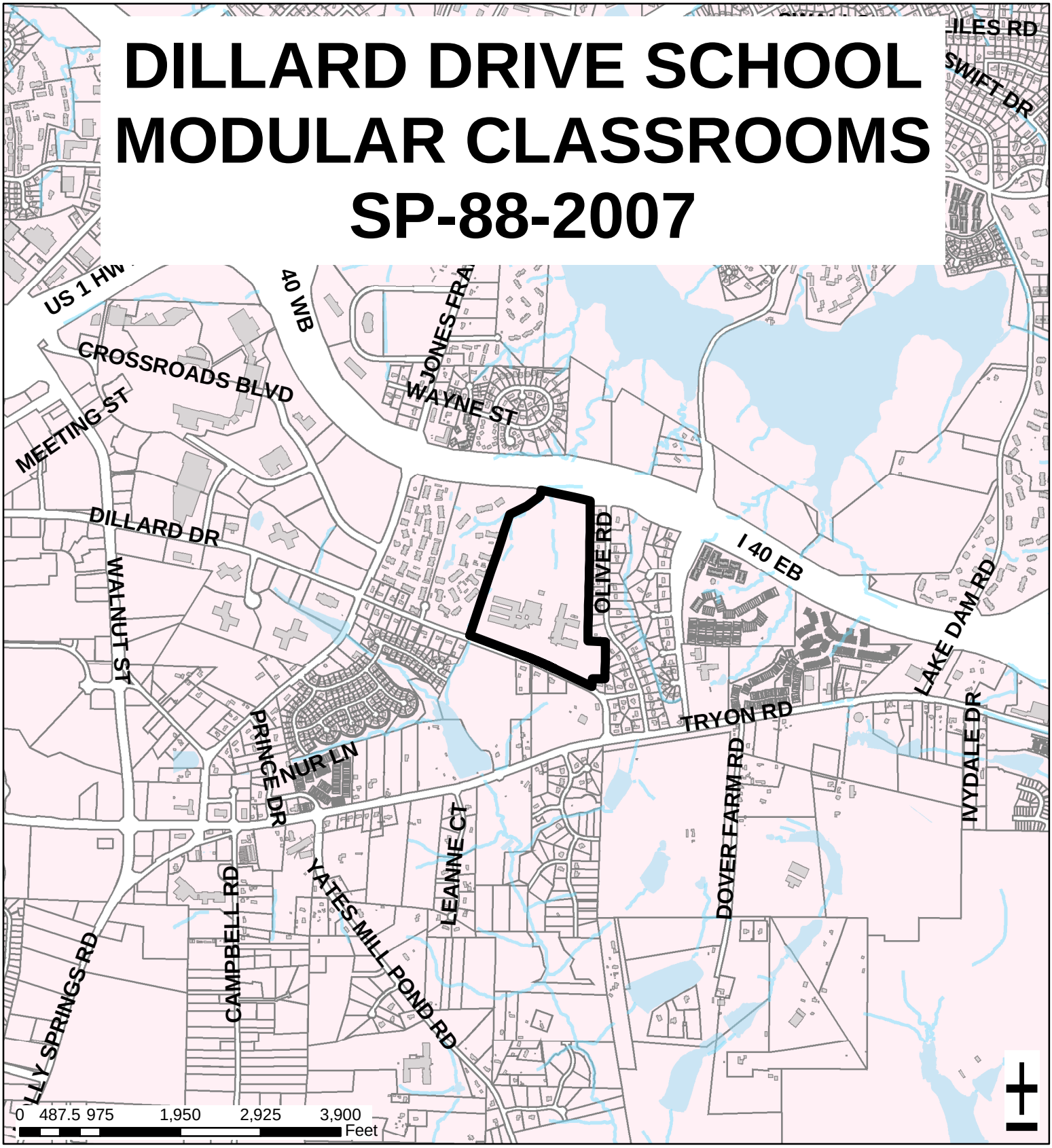
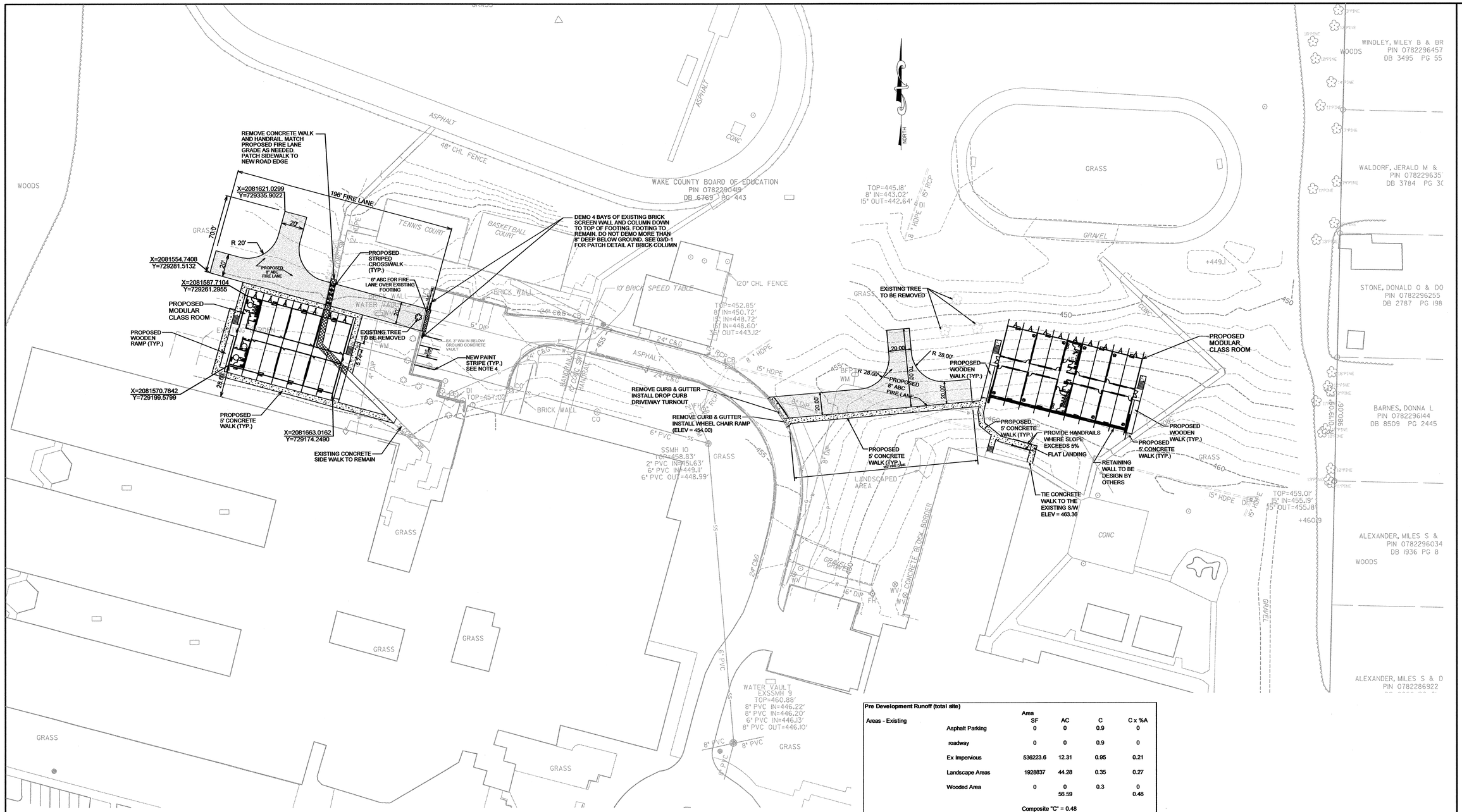
DILLARD DRIVE SCHOOL MODULAR CLASSROOMS SP-88-2007



Zoning:	**RR, CM**	Acres:	**56.59**
Planning		Proposed Sq. Ft.:	**7,872**
District:	**Southwest**	Planner:	**Meade Bradshaw**
CAC:	**West**	Phone:	**(919) 516-2664**
Drainage		Applicant Contact:	**CH Engineering**
Basin:	**Walnut Creek**	Phone:	**(919) 788-0224**



PROJECT INFORMATION

PROJECT:
DILLARD DRIVE SCHOOL
5020 DILLARD DRIVE
RALEIGH, NC 27606 - 4114

OWNER:
WAKE COUNTY BOARD OF EDUCATION
1551 ROCK QUARRY ROAD
RALEIGH, NC 27610-4145

ENGINEER:
CH ENGINEERING, PLLC
4601 LAKE BOONE TRAIL
RALEIGH, NC 27607
(919) 788 0224 FAX: (919) 788-0232
CONTACT: MAHA CHAMBLISS
email: mchambliss@ch-engr.com

ARCHITECT:
HH ARCHITECTURE
515-A SAINT MARY'S STREET
RALEIGH, NC 27605
(919) 828-2301
CONTACT: SARAH SCOLNIK
email: Sscolnik@hh-arch.com

SITE DATA

PIN NUMBER	0782290419
WAKE COUNTY REAL ESTATE ID	0003026
ZONING	RR
SITE AREA	56.59 AC
EXISTING IMPERVIOUS AREA (PER WCPSS IMPERVIOUS STUDY DATED JUNE 2002)	12.31 AC
EXISTING IMPERVIOUS AREA PERCENTAGE	21.75%
EXISTING IMPERVIOUS TO BE REMOVED	0.01 AC
TOTAL PROPOSED ADD'L IMPERVIOUS AREA	0.56 AC
NET IMPERVIOUS AREAS	12.86 AC
TOTAL IMPERVIOUS AREA PERCENTAGE	22.72%

SINCE INCREASE IS LESS THAN 10%, NO STORM WATER MANAGEMENT IS REQUIRED

DISTURBED AREA FOR ELEMENTARY SCHOOL — 0.75 AC.

DISTURBED AREA FOR MIDDLE SCHOOL — 0.46 AC.

EXISTING PARKING SPACES — 197 AND 10 H/C SPACES

NO ADDITIONAL PARKING WILL BE PROVIDED

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION. NOTIFY ARCHITECT IN CASE OF DISCREPANCY.
2. ALL EXISTING LAWNS, WALKS, CURB, PAVEMENTS AND GRAVEL DRIVES SHALL BE PROTECTED AND IF DAMAGED SHALL BE REPAIRED BY CONTRACTOR AT NO COST TO OWNER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL MEASURES THAT COMPLY WITH NCDENR REQUIREMENT DURING SITE WORK. CONTRACTOR SHALL SEED ALL DISTURBED AREAS PRIOR TO SUBSTANTIAL COMPLETION.
4. CONTRACTOR TO RESTRIPE PARKING AFTER FIRE LANE IS BUILT. RESTRIPING IS TO INCLUDE REMOVAL OR BLACKING OUT OF ANY AND ALL CONFLICTING MARKINGS.
5. PROVIDE MN 5' WIDE, 4" THICK CONC. WALKS AS INDICATED ON SITE PLAN AND DETAILS. MAXIMUM SLOPE SHALL NOT EXCEED 1:20 AT SIDE WALKS AND CROSS SLOPE 2.0% MAX.
6. PROVIDE TREATED WOOD PLATFORMS, STAIRS AND RAMPS, SEE ARCHITECTURAL DETAILS.
7. ALL WORK MUST COMPLY WITH NORTH CAROLINA STATE BUILDING AND HANDICAPPED ACCESSIBILITY CODE VOL. 1C
8. ALL CONSTRUCTION SHALL MEET THE CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
9. SEE SHEET C-1 FOR EXISTING CONDITIONS.

Pre Development Runoff (total site)

Areas - Existing		Area SF	AC	C	C x %A
	Asphalt Parking	0	0	0.9	0
	roadway	0	0	0.9	0
	Ex Impervious	536223.6	12.31	0.95	0.21
	Landscape Areas	1928837	44.28	0.35	0.27
	Wooded Area	0	0	0.3	0
			56.59		0.48

Composite "C" = 0.48

Q2= .48 x 5.7 x 56.59 = 154.83 CFS
Q10= .48 x7.22 x 56.59 = 196.12 CFS

Dillard Drive School

Post Development Runoff (total site)

Areas - Proposed		Area SF	AC	C	C x %A
	Impervious Areas	0	0.00	0.9	0.000
	Landscape Areas	1906186	43.76	0.35	0.27
	Impervious Areas	560181.6	12.86	0.95	0.22
	roadway	0	0.00	0.9	0
	general commercial	0	0.00	0.85	0
	Wooded Area	0	0.00	0.3	0
			56.62		0.49

Composite "C" = 0.49

Q2= .49 x 5.7 x 56.62 = 158.14 CFS
Q10= .49 x7.22 x 56.62 = 200.31 CFS

% Increase due to post development for Q2 & Q10 = 2.1%

Since increase in runoff due to development is less than 10% no storm water control measures are required

LEGEND:

CONCRETE & HANDRAIL REMOVAL

5' CONCRETE SIDEWALK

PRELIMINARY PLANS - NOT FOR CONSTRUCTION

Ø1 SITE PLAN
SCALE 1" = 40'

HH ARCHITECTURE
515-A SAINT MARY'S STREET, RALEIGH, NORTH CAROLINA 27605
PHONE 919.828.2301 FAX 919.828.2383 OFFICE@HH-ARCH.COM

CH ENGINEERING
PO BOX 30128
RALEIGH, NC 27622
TELE 919.788.0224
FAX 919.788.0232

DILLARD DRIVE ELEMENTARY & MIDDLE MODULAR CLASSROOM ADDITIONS
WCPSS PROJECT # 0031-07 & 0033-07
5018 & 5200 DILLARD DRIVE
RALEIGH, NC 27606

Client
WCPSS

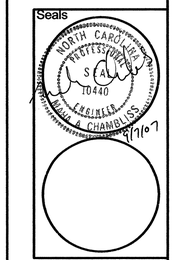
Job Number
06-089-1, 06-089-3

Project Manager
MAHA CHAMBLISS

Date Issued
CONSTRUCTION DOCUMENTS
TBD

Revisions

Seals



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Drawn By: GRH

Sheet
SITE PLAN

C-3