Job No. 12032

Date: 11/14/12

TRIPP ENGINEERING, P.C.

419 Chestnut Street, Wilmington, NC 28401
Phone: (910) 763-5100 • FAX: (910) 763-5631
Email: trippeng@ec.rr.com

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LETTER OF TRANSMITTAL

To: City of Wilmington

Attention: Derek Pielech

Subject: Mayfaire Office III

____ FAX TRANSMITTAL: NUMBER OF PAGES INCLUDES COVER ____

I am sending you: (X) ATTACHED ( ) UNDER SEPARATE COVER

(X) Prints ( ) Tracings ( ) Copy of letter ( ) Specifications (X) Other

Copies	Item No.	Description
1	C2	Site Plan
1	C3	Details & Notes
1		$1000 application fee
1		Stormwater Application
1		Off-Site Supplement
1		Narrative
2		Calculations
1		Copy of the Deed

These are transmitted as checked below:

( ) For Approval ( ) For Your Use ( ) Sign & Return (X) Review

Remarks: Please review for approval and contact us with any questions or comments. Thank you.

cc:

Signed: Lee Galloway

Public Services
Engineering
414 Chestnut St, Suite 200
Wilmington, NC 28401
910 341-7807
910 341-5881 fax
wilmingtonnc.gov
Dial 711 TTY/Voice

CITY OF WILMINGTON NORTH CAROLINA

STORMWATER MANAGEMENT PERMIT APPLICATION FORM
(Form SWP 2.2)

I. GENERAL INFORMATION

1. Project Name (subdivision, facility, or establishment name - should be consistent with project name on plans, specifications, letters, operation and maintenance agreements, etc.):

   Mayfaire Office III

2. Location of Project (street address):

   6752 Rock Spring Road

   City: Wilmington County: New Hanover Zip: 28405

3. Directions to project (from nearest major intersection):

   From the intersection of Military Cutoff Road (SR1409) and Eastwood Rd (US 74-76), travel north approx. 0.50 mile to Parker Farm Drive. Turn left on Parker Farm Dr. then right on Rock Spring Rd. Site is on right.

II. PERMIT INFORMATION

1. Specify the type of project (check one): ☐ Low Density ☐ High Density
   ☒ Drains to an Offsite Stormwater System ☐ Drainage Plan ☐ Other
   If the project drains to an Offsite System, list the Stormwater Permit Number(s):

   City of Wilmington: _____ State – NCDENR/DWQ: SW8 030701

2. Is the project currently covered (whole or in part) by an existing City or State (NCDENR/DWQ) Stormwater Permit? ☐ Yes ☒ No
   If yes, list all applicable Stormwater Permit Numbers:

   City of Wilmington: _____ State – NCDENR/DWQ: _____

3. Additional Project Permit Requirements (check all applicable):
   ☐ CAMA Major ☒ Sedimentation/Erosion Control
   ☐ NPDES Industrial Stormwater ☐ 404/401 Permit: Proposed Impacts: _____
   If any of these permits have already been acquired please provide the Project Name, Project/Permit Number, issue date and the type of each permit:

   _____

CITY OF WILMINGTON ENGINEERING

III. CONTACT INFORMATION

1. Print Applicant / Signing Official's name and title (specifically the developer, property owner, lessee, designated government official, individual, etc. who owns the project):

   Applicant / Organization: The Offices at Mayfaire III, LLC

   Signing Official & Title: John S. Anderson, Member Manager

   a. Contact information for Applicant / Signing Official:

   Street Address: 1510-A S. 3rd Street

   City: Wilmington State: NC Zip: 28401

   Phone: 910-616-0483 Fax: _____ Email: sa@ec.rr.com

   Mailing Address (if different than physical address): P.O. Box 1229

   City: Wilmington State: NC Zip: 28402

   b. Please check the appropriate box. The applicant listed above is:

   - ☐ The property owner (Skip to item 3)
   - ☐ Lessee* (Attach a copy of the lease agreement and complete items 2 and 2a below)
   - ☐ Purchaser* (Attach a copy of the pending sales agreement and complete items 2 and 2a below)
   - ☒ Developer* (Complete items 2 and 2a below.)

2. Print Property Owner's name and title below, if you are the lessee, purchaser, or developer. (This is the person who owns the property that the project is on.)

   Property Owner / Organization: Mayfaire I, LLC

   Signing Official & Title: H. J. Brody, Manager

   a. Contact information for Property Owner:

   Street Address: 6835 Conservation Way

   City: Wilmington State: NC Zip: 28405

   Phone: 910-256-5131 Fax: _____ Email: danrahe@eastnc.twcbc.com

   Mailing Address (if different than physical address): P.O. Box 12830

   City: Wilmington State: NC Zip: 28405

3. (Optional) Print the name and title of another contact such as the project's construction supervisor or another person who can answer questions about the project:

   Other Contact Person / Organization: _____

   Signing Official & Title: _____

a. Contact information for person listed in item 3 above:

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

Mailing Address (if different than physical address): _____

City: _____ State: _____ Zip: _____

IV. PROJECT INFORMATION

1. In the space provided below, briefly summarize how the stormwater runoff will be treated.
   Off-site wet detention pond

2. Total Property Area: 57,112 square feet
3. Total Coastal Wetlands Area: 0 square feet
4. Total Surface Water Area: 0 square feet
5. Total Property Area (2) – Total Coastal Wetlands Area (3) – Total Surface Water Area (4) = Total Project Area: 57,112 square feet.
6. Existing Impervious Surface within Property Area: 4,780 square feet
7. Existing Impervious Surface to be Removed/Demolished: 0 square feet
8. Existing Impervious Surface to Remain: 4,780 square feet
9. Total Onsite (within property boundary) Newly Constructed Impervious Surface (*in square feet*):

Buildings/Lots	12,291
Impervious Pavement	28,755
Pervious Pavement (adj. total, with % credit applied)	0
Impervious Sidewalks	1,710
Pervious Sidewalks (adj. total, with % credit applied)	0
Other (describe)	0
Future Development	0
Total Onsite Newly Constructed Impervious Surface	42,756

10. Total Onsite Impervious Surface
    (Existing Impervious Surface to remain + Onsite Newly Constructed Impervious Surface) = 47,536 square feet
11. Project percent of impervious area: (Total Onsite Impervious Surface / Total Project Area) x100 = 83 %

Stormwater Drainage System & Erosion Control Narrative

Mayfaire Office III
6752 Rock Spring Road, Wilmington, NC

The Mayfaire Office III project is a proposed office complex located on Rock Spring Road in Wilmington, NC, New Hanover County, parcel ID # R05000-003-103-000. Mayfaire Office III is owned by The Offices at Mayfaire III, LLC. The entire site is approximately 1.31 acres of land, of which 1.5 acres is proposed for disturbance. The Mayfaire Office III facility will be serviced by CFPUA for public water and sewer systems. No wetlands exist on the project site.

The Offices at Mayfaire III, LLC is proposing to build a 12,291 sf. office building, parking, sidewalks and landscape areas. Proposed on-site impervious area for this project is estimated to be 42,756 sf. Existing on-site impervious area is estimated to be 4,780 sf. Therefore total impervious area within the property is 47,536 sf or 83.2% of the total project area. The estimated amount of disturbed area is 1.5 acres.

The proposed Mayfaire Office III project is located within the master plan of the Mayfaire Community Center. The existing NCDENR stormwater permit number for the Mayfaire Community Center is SW8 030701 dated January 28, 2004. The proposed stormwater system will tie into the existing piped stormwater system that discharges into the existing Ponds 6 and 7 located on the Mayfaire Community Center property. The outflow from existing Ponds 6 and 7 will drain to Bradley Creek; classification SC, index No. 18-87-24-4-(2), in the Cape Fear River Basin. All built upon areas (BUA's) will be collected and routed through the existing pipe system and into the existing wet detention pond BMP.

Prior to clearing of the site, one construction entrance and temporary silt fence will be installed. After clearing of the project site, the parking areas and building location will then be graded. Underground utilities, including the stormwater drainage system will be installed and inlet protection put into place. The proposed building will be constructed followed by paving, sidewalk installation, final site grading, stabilization of the site and landscaping. Temporary erosion control measures will remain in-place until such time as areas are stabilized. Permanent measures include permanent stands of grass and energy

dissipaters. Specific measures and directions to the contractor are noted on the plans. Please refer to Sheet C2 for detailed erosion control measures and construction sequence.

Summary

For this 1.31 ac. project area, all on-site drainage will be discharged to the existing stormwater drainage system and routed to a forebay and existing wet detention pond. Temporary erosion control measures include one gravel construction entrances, silt fence, and inlet protection. Permanent erosion control measures include established grass areas.

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Mayfaire Office III
10 and 50 Year Storm Pipe and HGL Calculations

10 YEAR

LOCATION		AREA		RUNOFF	RAIN	INCREMENTAL FLOW	TOTAL FLOW	PIPE DATA											
FROM	TO	SUB TOTAL (Acre)	TOTAL (Acre)	COEFF. C	INT. I (in/hr)	Q=CIA (C.F.S. REQ'D)	Q=CIA (C.F.S. REQ'D)	TYPE	N	LENGTH (ft)	S %	SIZE (in)	VEL. (fps)	Q AVAIL. (cfs)	Friction Loss (Hf) (ft)	Tailwater Elev. (ft)	Pipe Invert Elev. (ft)	Inlet WS Elev. (ft)	Rim Elev. (ft)
CI #3	CI #2	0.16	0.16	0.85	7.23	0.98	0.98	RCP	0.013	16	0.63%	15	0.8	5.14	0.0026	25.00	27.50	27.50	30.00
CI #2	CI #1	0.16	0.32	0.85	7.23	0.98	1.97	RCP	0.013	68	0.88%	15	1.6	6.08	0.0434	25.00	27.40	27.44	30.00
CI #1	SDMH #3	0.13	0.45	0.85	7.23	0.80	2.77	RCP	0.013	82	0.98%	15	2.3	6.41	0.1035	25.00	26.80	26.90	30.00
SDMH #3	SDMH #2	0.14	0.59	0.85	7.23	0.86	3.63	RCP	0.013	95	0.63%	15	3.0	5.14	0.2060	25.00	26.00	26.21	30.00
SDMH #2	SDMH #1	0.08	0.67	0.85	7.23	0.49	4.12	RCP	0.013	160	0.56%	18	2.3	7.88	0.1798	25.00	25.40	25.58	30.00
SDMH #1	Exst. Pipe	0.07	0.74	0.85	7.23	0.43	4.55	RCP	0.013	1	1.00%	24	1.4	22.68	0.0003	25.00	24.50	25.00	32.20

Notes: Assume tailwater condition is 25% of pipe capacity.

50 YEAR

CI #3	CI #2	0.16	0.16	0.85	8.87	1.21	1.21	RCP	0.013	16	0.63%	15	1.0	5.14	0.0038	25.50	27.50	27.50	30.00
CI #2	CI #1	0.16	0.32	0.85	8.87	1.21	2.41	RCP	0.013	68	0.88%	15	2.0	6.08	0.0653	25.50	27.40	27.47	30.00
CI #1	SDMH #3	0.13	0.45	0.85	8.87	0.98	3.39	RCP	0.013	82	0.98%	15	2.8	6.41	0.1557	25.50	26.80	26.96	30.00
SDMH #3	SDMH #2	0.14	0.59	0.85	8.87	1.06	4.45	RCP	0.013	95	0.63%	15	3.6	5.14	0.3101	25.50	26.00	26.31	30.00
SDMH #2	SDMH #1	0.08	0.67	0.85	8.87	0.60	5.05	RCP	0.013	160	0.56%	18	2.9	7.88	0.2707	25.50	25.40	25.77	30.00
SDMH #1	Exst. Pipe	0.07	0.74	0.85	8.87	0.53	5.58	RCP	0.013	1	1.00%	24	1.8	22.68	0.0005	25.50	24.50	25.50	32.20

Notes: Assume tailwater condition is 50% of pipe capacity.

NORTH CAROLINA PROFESSIONAL SEAL 17374 ENGINEER PHILLIP GREGORY TRIPP

11-8-12

G:\JOBS\2012\12032-MAYFAIRE OFFICES III\calcs\12032 10 yr & 50 yr drain pipes & HGL 11-8-12

Revised: 11/8/12
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Mayfaire Office II & III Connection
10 and 50 Year Storm Pipe and HGL Calculations

12032

10 YEAR

LOCATION		AREA		RUNOFF	RAIN	INCREMENTAL FLOW	TOTAL FLOW	PIPE DATA											
FROM	TO	SUB TOTAL (Acre)	TOTAL (Acre)	COEFF. C	INT. I (in/hr)	Q=CIA (C.F.S. REQ'D)	Q=CIA (C.F.S. REQ'D)	TYPE	N	LENGTH (ft)	S %	SIZE (in)	VEL. (fps)	Q AVAIL. (cfs)	Friction Loss (Hf) (ft)	Tailwater Elev. (ft)	Pipe Invert Elev. (ft)	Inlet WS Elev. (ft)	Rim Elev. (ft)
CI #10	CI #9	0.06	0.06	0.85	7.23	0.37	0.37	RCP	0.013	24	0.83%	15	0.3	5.90	0.0005	24.50	26.50	26.50	30.00
CI #9	CI #8	0.05	0.11	0.85	7.23	0.31	0.68	RCP	0.013	13	1.54%	15	0.6	8.04	0.0010	24.50	26.30	26.30	30.00
CI #8	CI #6	0.19	0.30	0.85	7.23	1.17	1.84	RCP	0.013	60	0.50%	15	1.5	4.58	0.0336	24.50	26.10	26.13	31.00
CI #6A	CI #4A	0.15	0.15	0.85	7.23	0.92	0.92	RCP	0.013	60	0.50%	15	0.8	4.58	0.0084	24.50	26.50	26.51	30.00
CI #5A	CI #4A	0.10	0.10	0.85	7.23	0.61	0.61	RCP	0.013	63	0.64%	15	0.5	5.18	0.0039	24.50	26.60	26.60	30.00
CI #4A	CI #7	0.10	0.35	0.85	7.23	0.61	2.15	RCP	0.013	31	0.63%	15	1.8	5.14	0.0237	24.50	26.20	26.22	30.00
CI #7	CI #6	0.05	0.40	0.85	7.23	0.31	2.46	RCP	0.013	16	0.97%	15	2.0	6.38	0.0160	24.50	26.10	26.12	30.00
CI #6	CI #5	0.06	0.76	0.85	7.23	0.37	4.67	RCP	0.013	15	1.33%	15	3.8	7.47	0.0540	24.50	25.80	25.85	30.00
CI #5	CI #4	0.12	0.88	0.85	7.23	0.74	5.41	RCP	0.013	72	0.42%	15	4.4	4.20	0.3474	24.50	25.60	25.95	30.00
CI #4	CI #3	0.16	1.04	0.85	7.23	0.98	6.39	RCP	0.013	12	1.67%	15	5.2	8.37	0.0809	24.50	25.30	25.38	30.00
CI #3	CI #2	0.23	1.27	0.85	7.23	1.41	7.80	RCP	0.013	72	0.55%	18	4.4	7.81	0.2908	24.50	25.10	25.39	30.00
CI #2	CI #1	0.21	1.48	0.85	7.23	1.29	9.10	RCP	0.013	15	1.33%	18	5.1	12.15	0.0823	24.50	24.70	25.18	30.00
CI #1	**SDMH #1**	0.28	1.76	0.85	7.23	1.72	10.82	RCP	0.013	77	0.68%	18	6.1	8.69	0.5972	24.50	24.50	25.10	30.00

Notes: Assume tailwater condition is 25% of pipe capacity.

50 YEAR

CI #10	CI #9	0.06	0.06	0.85	8.87	0.45	0.45	RCP	0.013	24	0.83%	15	0.4	5.90	0.0008	25.00	26.50	26.50	30.00
CI #9	CI #8	0.05	0.11	0.85	8.87	0.38	0.83	RCP	0.013	13	1.54%	15	0.7	8.04	0.0015	25.00	26.30	26.30	30.00
CI #8	CI #6	0.19	0.30	0.85	8.87	1.43	2.26	RCP	0.013	60	0.50%	15	1.8	4.58	0.0506	25.00	26.10	26.15	31.00
CI #6A	CI #4A	0.15	0.15	0.85	8.87	1.13	1.13	RCP	0.013	60	0.50%	15	0.9	4.58	0.0127	24.50	26.50	26.51	30.00
CI #5A	CI #4A	0.10	0.10	0.85	8.87	0.75	0.75	RCP	0.013	63	0.64%	15	0.6	5.18	0.0059	24.50	26.60	26.61	30.00
CI #4A	CI #7	0.10	0.35	0.85	8.87	0.75	2.64	RCP	0.013	31	0.63%	15	2.2	5.14	0.0356	24.50	26.20	26.24	30.00
CI #7	CI #6	0.05	0.40	0.85	8.87	0.38	3.02	RCP	0.013	31	0.97%	15	2.5	6.38	0.0465	25.00	26.10	26.15	30.00
CI #6	CI #5	0.06	0.76	0.85	8.87	0.45	5.73	RCP	0.013	15	1.33%	15	4.7	7.47	0.0813	25.00	25.80	25.88	30.00
CI #5	CI #4	0.12	0.88	0.85	8.87	0.90	6.63	RCP	0.013	72	0.42%	15	5.4	4.20	0.5229	25.00	25.60	26.12	30.00
CI #4	CI #3	0.16	1.04	0.85	8.87	1.21	7.84	RCP	0.013	12	1.67%	15	6.4	8.37	0.1217	25.00	25.30	25.42	30.00
CI #3	CI #2	0.23	1.27	0.85	8.87	1.73	9.58	RCP	0.013	72	0.55%	18	5.4	7.81	0.4377	25.00	25.10	25.54	30.00
CI #2	CI #1	0.21	1.48	0.85	8.87	1.58	11.16	RCP	0.013	15	1.33%	18	6.3	12.15	0.1238	25.00	24.70	26.02	30.00
CI #1	**SDMH #1**	0.28	1.76	0.85	8.87	2.11	13.27	RCP	0.013	77	0.68%	18	7.5	8.69	0.8989	25.00	24.50	25.90	30.00

Notes: Assume tailwater condition is 50% of pipe capacity.

Mayfaire Office III

10 and 50 Year Storm Pipe and HGL Calculations

10 YEAR

LOCATION		AREA		RUNOFF	RAIN	INCREMENTAL FLOW	TOTAL FLOW	PIPE DATA											
FROM	TO	SUB TOTAL (Acre)	TOTAL (Acre)	COEFF. C	INT. I (in/hr)	Q=CIA (C.F.S. REQ'D)	Q=CIA (C.F.S. REQ'D)	TYPE	N	LENGTH (ft)	S %	SIZE (in)	VEL. (fps)	Q AVAIL. (cfs)	Friction Loss (Hf) (ft)	Tailwater Elev. (ft)	Pipe Invert Elev. (ft)	Inlet WS Elev. (ft)	Rim Elev. (ft)
CI #3	CI #2	0.16	0.16	0.85	7.23	0.98	0.98	RCP	0.013	16	0.63%	15	0.8	5.14	0.0026	25.00	27.50	27.50	30.00
CI #2	CI #1	0.16	0.32	0.85	7.23	0.98	1.97	RCP	0.013	68	0.88%	15	1.6	6.08	0.0434	25.00	27.40	27.44	30.00
CI #1	SDMH #3	0.13	0.45	0.85	7.23	0.80	2.77	RCP	0.013	82	0.98%	15	2.3	6.41	0.1035	25.00	26.80	26.90	30.00
SDMH #3	SDMH #2	0.14	0.59	0.85	7.23	0.86	3.63	RCP	0.013	95	0.63%	15	3.0	5.14	0.2060	25.00	26.00	26.21	30.00
SDMH #2	SDMH #1	0.08	0.67	0.85	7.23	0.49	4.12	RCP	0.013	160	0.56%	18	2.3	7.88	0.1798	25.00	25.40	25.58	30.00
SDMH #1	Exst. Pipe	0.07	0.74	0.85	7.23	0.43	4.55	RCP	0.013	1	1.00%	24	1.4	22.68	0.0003	25.00	24.50	25.00	32.20

Notes: Assume tailwater condition is 25% of pipe capacity.

50 YEAR

CI #3	CI #2	0.16	0.16	0.85	8.87	1.21	1.21	RCP	0.013	16	0.63%	15	1.0	5.14	0.0038	25.50	27.50	27.50	30.00
CI #2	CI #1	0.16	0.32	0.85	8.87	1.21	2.41	RCP	0.013	68	0.88%	15	2.0	6.08	0.0653	25.50	27.40	27.47	30.00
CI #1	SDMH #3	0.13	0.45	0.85	8.87	0.98	3.39	RCP	0.013	82	0.98%	15	2.8	6.41	0.1557	25.50	26.80	26.96	30.00
SDMH #3	SDMH #2	0.14	0.59	0.85	8.87	1.06	4.45	RCP	0.013	95	0.63%	15	3.6	5.14	0.3101	25.50	26.00	26.31	30.00
SDMH #2	SDMH #1	0.08	0.67	0.85	8.87	0.60	5.05	RCP	0.013	160	0.56%	18	2.9	7.88	0.2707	25.50	25.40	25.77	30.00
SDMH #1	Exst. Pipe	0.07	0.74	0.85	8.87	0.53	5.58	RCP	0.013	1	1.00%	24	1.8	22.68	0.0005	25.50	24.50	25.50	32.20

Notes: Assume tailwater condition is 50% of pipe capacity.

NORTH CAROLINA PROFESSIONAL SEAL 17374 ENGINEER PHILIP GREGORY TRIPP

11-8-12

Revised: 11/8/12
ALG

Mayfaire Office II & III Connection
10 and 50 Year Storm Pipe and HGL Calculations

12032

10 YEAR

LOCATION		AREA		RUNOFF	RAIN	INCREMENTAL FLOW	TOTAL FLOW	PIPE DATA											
FROM	TO	SUB TOTAL (Acre)	TOTAL (Acre)	COEFF. C	INT. I (in/hr)	Q=CIA (C.F.S. REQ'D)	Q=CIA (C.F.S. REQ'D)	TYPE	N	LENGTH (ft)	S %	SIZE (in)	VEL. (fps)	Q AVAIL. (cfs)	Friction Loss (Hf) (ft)	Tailwater Elev. (ft)	Pipe Invert Elev. (ft)	Inlet WS Elev. (ft)	Rim Elev. (ft)
CI #10	CI #9	0.06	0.06	0.85	7.23	0.37	0.37	RCP	0.013	24	0.83%	15	0.3	5.90	0.0005	24.50	26.50	26.50	30.00
CI #9	CI #8	0.05	0.11	0.85	7.23	0.31	0.68	RCP	0.013	13	1.54%	15	0.6	8.04	0.0010	24.50	26.30	26.30	30.00
CI #8	CI #6	0.19	0.30	0.85	7.23	1.17	1.84	RCP	0.013	60	0.50%	15	1.5	4.58	0.0336	24.50	26.10	26.13	31.00
CI #6A	CI #4A	0.15	0.15	0.85	7.23	0.92	0.92	RCP	0.013	60	0.50%	15	0.8	4.58	0.0084	24.50	26.50	26.51	30.00
CI #5A	CI #4A	0.10	0.10	0.85	7.23	0.61	0.61	RCP	0.013	63	0.64%	15	0.5	5.18	0.0039	24.50	26.60	26.60	30.00
CI #4A	CI #7	0.10	0.35	0.85	7.23	0.61	2.15	RCP	0.013	31	0.63%	15	1.8	5.14	0.0237	24.50	26.20	26.22	30.00
CI #7	CI #6	0.05	0.40	0.85	7.23	0.31	2.46	RCP	0.013	16	0.97%	15	2.0	6.38	0.0160	24.50	26.10	26.12	30.00
CI #6	CI #5	0.06	0.76	0.85	7.23	0.37	4.67	RCP	0.013	15	1.33%	15	3.8	7.47	0.0540	24.50	25.80	25.85	30.00
CI #5	CI #4	0.12	0.88	0.85	7.23	0.74	5.41	RCP	0.013	72	0.42%	15	4.4	4.20	0.3474	24.50	25.60	25.95	30.00
CI #4	CI #3	0.16	1.04	0.85	7.23	0.98	6.39	RCP	0.013	12	1.67%	15	5.2	8.37	0.0809	24.50	25.30	25.38	30.00
CI #3	CI #2	0.23	1.27	0.85	7.23	1.41	7.80	RCP	0.013	72	0.55%	18	4.4	7.81	0.2908	24.50	25.10	25.39	30.00
CI #2	CI #1	0.21	1.48	0.85	7.23	1.29	9.10	RCP	0.013	15	1.33%	18	5.1	12.15	0.0823	24.50	24.70	25.18	30.00
CI #1	**SDMH #1**	0.28	1.76	0.85	7.23	1.72	10.82	RCP	0.013	77	0.68%	18	6.1	8.69	0.5972	24.50	24.50	25.10	30.00

Notes: Assume tailwater condition is 25% of pipe capacity.

50 YEAR

CI #10	CI #9	0.06	0.06	0.85	8.87	0.45	0.45	RCP	0.013	24	0.83%	15	0.4	5.90	0.0008	25.00	26.50	26.50	30.00
CI #9	CI #8	0.05	0.11	0.85	8.87	0.38	0.83	RCP	0.013	13	1.54%	15	0.7	8.04	0.0015	25.00	26.30	26.30	30.00
CI #8	CI #6	0.19	0.30	0.85	8.87	1.43	2.26	RCP	0.013	60	0.50%	15	1.8	4.58	0.0506	25.00	26.10	26.15	31.00
CI #6A	CI #4A	0.15	0.15	0.85	8.87	1.13	1.13	RCP	0.013	60	0.50%	15	0.9	4.58	0.0127	24.50	26.50	26.51	30.00
CI #5A	CI #4A	0.10	0.10	0.85	8.87	0.75	0.75	RCP	0.013	63	0.64%	15	0.6	5.18	0.0059	24.50	26.60	26.61	30.00
CI #4A	CI #7	0.10	0.35	0.85	8.87	0.75	2.64	RCP	0.013	31	0.63%	15	2.2	5.14	0.0356	24.50	26.20	26.24	30.00
CI #7	CI #6	0.05	0.40	0.85	8.87	0.38	3.02	RCP	0.013	31	0.97%	15	2.5	6.38	0.0465	25.00	26.10	26.15	30.00
CI #6	CI #5	0.06	0.76	0.85	8.87	0.45	5.73	RCP	0.013	15	1.33%	15	4.7	7.47	0.0813	25.00	25.80	25.88	30.00
CI #5	CI #4	0.12	0.88	0.85	8.87	0.90	6.63	RCP	0.013	72	0.42%	15	5.4	4.20	0.5229	25.00	25.60	26.12	30.00
CI #4	CI #3	0.16	1.04	0.85	8.87	1.21	7.84	RCP	0.013	12	1.67%	15	6.4	8.37	0.1217	25.00	25.30	25.42	30.00
CI #3	CI #2	0.23	1.27	0.85	8.87	1.73	9.58	RCP	0.013	72	0.55%	18	5.4	7.81	0.4377	25.00	25.10	25.54	30.00
CI #2	CI #1	0.21	1.48	0.85	8.87	1.58	11.16	RCP	0.013	15	1.33%	18	6.3	12.15	0.1238	25.00	24.70	26.02	30.00
CI #1	**SDMH #1**	0.28	1.76	0.85	8.87	2.11	13.27	RCP	0.013	77	0.68%	18	7.5	8.69	0.8989	25.00	24.50	25.90	30.00

Notes: Assume tailwater condition is 50% of pipe capacity.

12. Total Offsite Newly Constructed Impervious Area (improvements made outside of property boundary, *in square feet*):

Impervious Pavement	0
Pervious Pavement (adj. total, with % credit applied)	0
Impervious Sidewalks	0
Pervious Sidewalks (adj. total, with % credit applied)	0
Other (describe)	0
Total Offsite Newly Constructed Impervious Surface	0

13. Total Newly Constructed Impervious Surface
(Total Onsite + Offsite Newly Constructed Impervious Surface) = 42756 square feet

14. Complete the following information for each Stormwater BMP drainage area. If there are more than three drainage areas in the project, attach an additional sheet with the information for each area provided in the same format as below. Low Density projects may omit this section and skip to Section V.

Basin Information	Pond BMP #	Pond BMP #	(Type of BMP) BMP #
Receiving Stream Name			
Receiving Stream Index Number			
Stream Classification			
Total Drainage Area (sf)	0	0	0
On-Site Drainage Area (sf)			
Off-Site Drainage Area (sf)			
Total Impervious Area (sf)	0	0	0
Buildings/Lots (sf)			
Impervious Pavement (sf)			
Pervious Pavement, % credit (sf)			
Impervious Sidewalks (sf)			
Pervious Sidewalks, % credit (sf)			
Other (sf)			
Future Development (sf)			
Existing Impervious to remain (sf)			
Offsite (sf)			
Percent Impervious Area (%)			

15. How was the off-site impervious area listed above determined? Provide documentation:

_____

_____

V. SUBMITTAL REQUIREMENTS

1. Supplemental and Operation & Maintenance Forms - One applicable City of Wilmington Stormwater BMP supplement form and checklist must be submitted for **each** BMP specified for this project. One applicable proposed operation and maintenance (O&M) form must be submitted for **each type** of stormwater BMP. Once approved, the operation and maintenance forms must be referenced on the final plat and recorded with the register of deeds office.

2. Deed Restrictions and Restrictive Covenants - For all subdivisions, outparcels, and future development, the appropriate property restrictions and protective covenants are required to be recorded prior to the sale of any lot. Due to variability in lot sizes or the proposed BUA allocations, a table listing each lot number, lot size, and the allowable built-upon area must be provided as an attachment to the completed and notarized deed restriction form. The appropriate deed restrictions and protective covenants forms can be downloaded at the link listed in section V (3). Download the latest versions for each submittal.

   In instances where the applicant is different than the property owner, it is the responsibility of the property owner to sign the deed restrictions and protective covenants form while the applicant is responsible for ensuring that the deed restrictions are recorded.

   By the notarized signature(s) below, the permit holder(s) certify that the recorded property restrictions and protective covenants for this project, if required, shall include all the items required in the permit and listed on the forms available on the website, that the covenants will be binding on all parties and persons claiming under them, that they will run with the land, that the required covenants cannot be changed or deleted without concurrence from the City of Wilmington, and that they will be recorded prior to the sale of any lot.

3. Only complete application packages will be accepted and reviewed by the City. A complete package includes all of the items listed on the City Engineering Plan Review Checklist, including the fee. Copies of the Engineering Plan Review Checklist, all Forms, Deed Restrictions as well as detailed instructions on how to complete this application form may be downloaded from:

   http://www.wilmingtonnc.gov/PublicServices/Engineering/PlanReview/StormwaterPermits.aspx

   The complete application package should be submitted to the following address:

   City of Wilmington – Engineering
   Plan Review Section
   414 Chestnut Street, Suite 200
   Wilmington, NC 28402

CITY OF WILMINGTON ENGINEERING

VI. CONSULTANT INFORMATION AND AUTHORIZATION

1. Applicant: Complete this section if you wish to designate authority to another individual and/or firm (such as a consulting engineer and /or firm) so that they may provide information on your behalf for this project (such as addressing requests for additional information).

Consulting Engineer: Phillip G. Tripp, P.E.

Consulting Firm: Tripp Engineering

a. Contact information for consultant listed above:

Mailing Address: 419 Chestnut Street

City: Wilmington State: NC Zip: 28401

Phone: 910-763-5100 Fax: 910-763-5631 Email: trippeng@ec.rr.com

VII. PROPERTY OWNER AUTHORIZATION (If Section III(2) has been filled out, complete this section)

I, (*print or type name of person listed in Contact Information, item 2*) H. J. Brody, certify that I own the property identified in this permit application, and thus give permission to (*print or type name of person listed in Contact Information, item 1*) John S. Anderson with (*print or type name of organization listed in Contact Information, item 1*) The Offices at Mayfaire III, LLC to develop the project as currently proposed. A copy of the lease agreement or pending property sales contract has been provided with the submittal, which indicates the party responsible for the operation and maintenance of the stormwater system.

As the legal property owner I acknowledge, understand, and agree by my signature below, that if my designated agent (*entity listed in Contact Information, item 1*) dissolves their company and/or cancels or defaults on their lease agreement, or pending sale, responsibility for compliance with the City of Wilmington Stormwater Permit reverts back to me, the property owner. As the property owner, it is my responsibility to notify the City of Wilmington immediately and submit a completed Name/Ownership Change Form within 30 days; otherwise I will be operating a stormwater treatment facility without a valid permit. I understand that the operation of a stormwater treatment facility without a valid permit is a violation of the City of Wilmington Municipal Code of Ordinances and may result in appropriate enforcement including the assessment of civil penalties.

Signature: HJB, manager of Mylane II LLC Date: 11/6/12

SEAL

CHRISTINA K CODY Notary Public PITT COUNTY, NC

I, Christina K Cody, a Notary Public for the State of North Carolina, County of Pitt, do hereby certify that H.J. Brody personally appeared before me this day of 6th November 2012, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,

Christina K Cody

My commission expires: June 7, 2017

CITY OF WILMINGTON ENGINEERING

VIII. APPLICANT'S CERTIFICATION

I, *(print or type name of person listed in Contact Information, item 1)* , John S. Anderson certify that the information included on this permit application form is, to the best of my knowledge, correct and that the project will be constructed in conformance with the approved plans, that the required deed restrictions and protective covenants will be recorded, and that the proposed project complies with the requirements of the applicable stormwater rules under.

Signature: _____ Date: 10/30/12

SEAL

DELLA C. BAIRD NOTARY PUBLIC PENDER COUNTY, N.C.

I, Della C Baird, a Notary Public for the State of North Carolina, County of Pender, do hereby certify that John S. Anderson personally appeared before me this 30 day of October, 2012, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,

Della C Baird

My commission expires: 10-15-16

Permit No. _____
(to be provided by City of Wilmington)

STORMWATER MANAGEMENT PERMIT APPLICATION FORM

OFF-SITE SYSTEM SUPPLEMENT

FOR DEVELOPMENT DRAINING TO PERMITTED OFF-SITE TREATMENT SYSTEMS

This form may be photocopied for use as an original

City of Wilmington Stormwater Management Plan Review:
A complete stormwater management plan submittal includes a stormwater management permit application, an off-site system supplement for each off-site stormwater treatment system, appropriate supplement forms for any on-site stormwater treatment systems, and plans and specifications showing all stormwater conveyances and drainage details for the project.

I. PROJECT INFORMATION

Project Name : Mayfaire Office III

Contact Person: Phillip Tripp Phone Number: (910)763-5100

Is all drainage from the project directed to the off-site system? (*check one*): ☒ Yes ☐ No

II. OFF-SITE SYSTEM INFORMATION (please complete the following information for the off-site system that will treat runoff from your project):

Permit No. SW8 030701

Project Name:Mayfaire Community Center

Type of System (wet pond, infiltration basin, etc.):wet pond

Lot No. (if part of a subdivision):Tract 5B, drainage basins 6 & 7

How much built upon area draining to the permitted treatment system has been allocated to this project?52,081 sf

III. REQUIRED ITEMS CHECKLIST

Prior to issuing an off-site permit, verification of the following information must be provided. Initial in the space provided to indicate that the following requirements have been met and supporting documentation is attached. If the applicant has designated an agent in the Stormwater Management Permit Application Form, the agent may initial below. If a requirement has not been met, attach justification.

Applicants Initials

ABD a. Deed restrictions limiting the built-upon area on the site have been recorded.

ABD b. Engineers certification for the existing off-site system has been submitted to DWQ.

ABD c. There are no outstanding Notices of Violation for the off-site system.

ABD d. Off-site system is in compliance with the issued permit.

IV. STORMWATER COLLECTION SYSTEM MAINTENANCE REQUIREMENTS

1. Mowing will be accomplished as needed according to the season. Grass height will not exceed six inches at any time.

2. Accumulated sediment and trash will be removed from the collection system as necessary. Swales and ditches will be reseeded or sodded following sediment removal.

3. Eroded areas of swales and ditches will be repaired and reseeded. Swales and ditches will be revegetated as needed based on monthly inspections.

4. The collection system, including catch basins, curb cuts, velocity reduction devices, and piping, will be inspected monthly or after every significant runoff producing rainfall event. Trash and debris will be cleared away from grates, curb cuts, velocity reduction devices, and piping.

5. The collection system may not be altered in any way without prior approval from the City of Wilmington Engineering Division.

I acknowledge and agree by my signature below that I am responsible for maintaining the stormwater collection system in accordance with the five maintenance procedures listed above. I agree to notify the City of Wilmington of any problems with the system or prior to any changes to the system or responsible party.

Print Name and Title: John S. Anderson, Member Manager

Address: P.O. Box 1229, Wilmington, NC 28402

Phone: 910-616-0483 Date: 10/30/12

Signature: J S Anderson

Note: *The legally responsible party should not be a homeowners association unless more than 50% of the lots have been sold and a resident of the subdivision has been named the president.*

I, Della C. Baird, a Notary Public for the State of North Carolina, County of Pender, do hereby certify that John S. Anderson personally appeared before me this 30 day of October, 2012, and acknowledge the due execution of the forgoing document including the stormwater collection system maintenance requirements. Witness my hand and official seal,

SEAL

DELLA C. BAIRD NOTARY PUBLIC PENDER COUNTY, N.C.

Della C. Baird
Notary Public

My commission expires 10-15-16

FOR REGISTRATION REGISTER OF DEEDS
REBECCA T CHRISTIAN
NEW HANOVER COUNTY, NC
2003 AUG 21 03 01 43 PM
BK:3968 PG 972-976 FEE:$23.00
NC REV STAMP.$10,226 00
INSTRUMENT # 2003054158

Prepared By and Return To

Fletcher, Ray & Satterfield, L L P (MVL)
130 North Front Street, Suite 300
Wilmington, North Carolina 28401

STATE OF NORTH CAROLINA

COUNTY OF NEW HANOVER

GENERAL WARRANTY DEED
Tax Parcel No : 5000-003-013-000

THIS DEED, made this 19th day of August, 2003, by and between **MABEL DUKE WEEKS**, unmarried, having an address of 3413 Bellevue Drive, Raleigh, North Carolina 27609 (the "Grantor") and **MAYFAIRE I, LLC**, a North Carolina limited liability company, having an address of c/o BrodyCo, Inc , PMB 168, 740 Greenville Boulevard, Suite 400, Greenville, North Carolina 27585 (the "Grantee")

WITNESSETH THAT:

The Grantor, for and in consideration of the sum of Ten and No/100 Dollars ($10.00) and other valuable consideration to it in hand paid by the Grantee, the receipt and sufficiency of which is hereby acknowledged, has bargained and sold, and by these presents do hereby bargain, sell and convey unto the Grantee, its successors and assigns forever, all that certain real property located in the City of Wilmington, New Hanover County, North Carolina, and described in **Exhibit A** attached hereto and incorporated herein by reference (the "Property").

TO HAVE AND TO HOLD the above granted and described Property, together with all and singular, the rights, privileges, easements, tenements and appurtenances thereunto belonging, or in

anywise appertaining unto the Grantee, its successors and assigns, in fee simple, forever.

And the Grantor covenants with the Grantee that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons, subject to the following exceptions 2003 ad valorem taxes and all easements, rights-of-way, and other restrictions and encumbrances of record that may affect the Property

[SIGNATURE PAGE TO FOLLOW]

IN TESTIMONY WHEREOF, the Grantor has hereunder executed this Deed as of the day and year first above written

GRANTOR

Mabel Duke Weeks

Mabel Duke Weeks

STATE OF NORTH CAROLINA
COUNTY OF Wake

I, Cynthia M. Bogan, a Notary Public for said County and State, do hereby certify that Mabel Duke Weeks personally appeared before me this day and acknowledged the due execution of the foregoing instrument

Witness my hand and official seal this 19 day of August, 2003

[NOTARIAL SEAL]

CYNTHIA M. BOGAN NOTARY PUBLIC WAKE COUNTY, N.C.

Cynthia M. Bogan
Notary Public

My Commission Expires: 8-17-2006

EXHIBIT A

Legal Description

Lying and being on Military Cuttoff Road in or near the City of Wilmington, New Hanover County, North Carolina and being commonly or formerly known as the "Mable Duke Weeks Farm Tract," and being more particularly described as follows

COMMENCING at an existing iron pipe located in the west right of way line of Military Cutoff Road (public right of way varies) at its intersection with the north right of way line of Eastwood Road (150' public right of way), thence along and with the west right of way line of Military Cutoff Road as the same is shown on map of Eastport Subdivision at Map Book 32 Page 295 of the New Hanover County Registry North 05 degrees 23 minutes 46 seconds East a distance of 1597 49 feet to a point, thence along and with the west right of way line of Military Cutoff Road North 05 degrees 26 minutes 46 seconds East a distance of 162 73 feet to an existing iron pipe, the POINT OF BEGINNING, thence along and with the north line of the "Wetherill Tract" (Map Book 29 Page 104) South 88 degrees 07 minutes 15 seconds West a distance of 982 18 feet to an existing iron pipe, thence along and with the north line of the "Hall Tract" (Map Book 31 Page 298), South 88 degrees 07 minutes 01 seconds West a distance of 573 76 feet to an existing iron pipe, thence along and with the north line of the "Wetherill Tract" South 88 degrees 08 minutes 43 seconds West a distance of 983 54 feet to an existing iron pipe, thence South 88 degrees 05 minutes 38 seconds West a distance of 133 42 feet to a point, thence North 52 degrees 03 minutes 02 seconds West a distance of 23 88 feet to an existing iron pipe, thence South 28 degrees 14 minutes 23 seconds West a distance of 63 28 feet to an existing iron pipe located in the north right of way line of Eastwood Road, thence along and with the north right of way line of Eastwood Road North 61 degrees 14 minutes 01 seconds West a distance of 336 96 feet to a point, thence along and with the run or centerline of Two Mile Branch, said Two Mile Branch being the west boundary line of Eastwood Village Subdivision (Map Book 27 Page 179, Map Book 27 Page 180) the following courses and distances North 54 degrees 15 minutes 04 seconds East a distance of 27 85 feet to a point, North 38 degrees 38 minutes 34 seconds East a distance of 87 30 feet to a point, North 02 degrees 47 minutes 34 seconds East a distance of 214 00 feet to a point, North 18 degrees 46 minutes 41 seconds West a distance of 82 30 feet to a point, North 31 degrees 13 minutes 33 seconds East a distance of 138 30 feet to a point, North 00 degrees 32 minutes 33 seconds East a distance of 98 40 feet to a point, North 20 degrees 34 minutes 33 seconds East a distance of 26 54 feet to a point, North 67 degrees 45 minutes 03 seconds East a distance of 14 37 feet to a point, North 65 degrees 58 minutes 32 seconds East a distance of 158 17 feet to a point, North 67 degrees 31 minutes 04 seconds East a distance of 170 72 feet to a point, North 41 degrees 41 minutes 05 seconds East a distance of 145 61 feet to a point, North 53 degrees 38 minutes 45 seconds East a distance of 68 23 feet to a point, North 61 degrees 34 minutes 27 seconds East a distance of 121 60 feet to a point, North 34 degrees 52 minutes 26 seconds East a distance of 19 99 feet to a point, North 02 degrees 29 minutes 03 seconds East a distance of 22 10 feet to a point, North 12 degrees 40 minutes 19 seconds West a distance of 33 56 feet to a point, North 04 degrees 37 minutes 33 seconds West a distance of 109 02 feet to a point, North 24 degrees 57 minutes 45 seconds East a distance of 153 36 feet to a point, North 37 degrees 30 minutes 57 seconds East a distance of 49 42 feet to a point, North 35 degrees 10 minutes 56 seconds East a distance of 58 08 feet to a point, North 38 degrees 02 minutes 26 seconds East a distance of 70 76 feet to a point, North 64 degrees 46 minutes 19 seconds East a distance of 46 16 feet to a point, North 28 degrees 01 minutes 06 seconds East a distance of 19 28 feet to a point, North 39 degrees 33 minutes 53 seconds East a distance of 31 20 feet to a point in the south line of now or formerly Brody Zimmer, LLC, thence along and with the south line of the "Brody Zimmer, LLC Tract" South 86 degrees 49 minutes 02 seconds East a distance of 2194 25 feet to a point in the west right of way line of Military Cutoff Road, thence along and with the west right of way line of Military Cutoff Road South 05 degrees 22 minutes 52 seconds West a distance of 1400 00 feet to the POINT OF BEGINNING, containing 93 19 acres, more or less according to survey entitled "Property Mayfaire Development Phase II 93 19 +/- acres," dated July, 2003, prepared by Michael Underwood and Associates, PA, Wilmington, North Carolina

REBECCA T. CHRISTIAN
REGISTER OF DEEDS, NEW HANOVER
216 NORTH SECOND STREET

WILMINGTON, NC 28401

****

Filed For Registration:	**08/21/2003 03:01:43 PM**
Book:	**RE 3968 Page: 972-976**
Document No.:	**2003054158**
	DEED 5 PGS $23.00
NC REAL ESTATE EXCISE TAX:	**$10,226.00**
Recorder:	**AMANDA WEIR**

****

State of North Carolina, County of New Hanover

The foregoing certificate of CYNTHIA M BOGAN Notary is certified to be correct. This 21 ST of August 2003

REBECCA T CHRISTIAN , REGISTER OF DEEDS

By. Amanda Weir
Deputy/~~Assistant~~ Register of Deeds

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YELLOW PROBATE SHEET IS A VITAL PART OF YOUR RECORDED DOCUMENT.
PLEASE RETAIN WITH ORIGINAL DOCUMENT AND SUBMIT FOR RE-RECORDING.

2003054158

2003054158