

Planning, Development, &  
Transportation Department  
Planning Division  
305 Chestnut Street  
PO Box 1810  
Wilmington, NC 28402-1810

January 19, 2018

Kathryn Espinoza, PE  
McKim & Creed  
243 North Front Street  
Wilmington, NC 28401

910 254-0900  
910 341-3264 fax  
wilmingtonnc.gov  
Dial 711 TTY/Voice

RE: **Revision 3 for Riverlights Age Qualified Ph II & III located 4410 River Road**

Please make note of the conditions for the release as they appear on the attached release letter. These conditions must be followed and met in order for the construction to be approved. ***Prior to beginning any construction or grading on the site, you must have a pre-construction meeting between City staff and the project's representatives. Any violation of this condition will result in an immediate stop work order and other civil penalties. Please contact our zoning office at 254-0900 to schedule the preconstruction meeting.***

All construction on the site must be in accordance with the City of Wilmington standards and the approved construction plans stamped by the City. All trees and areas designated to be saved or protected must be properly barricaded and/or marked throughout construction. In addition please be aware that to obtain a final zoning inspection for this construction project, the appropriate departments within the City of Wilmington must perform and approve final inspections.

To arrange for inspections please contact the assigned Zoning Enforcement Officer, at 254-0900. Staff will coordinate the inspections and provide a punch-list to the Developer within 5 working days. Upon correction of the punch-list items, a final inspection will be performed. ***NOTE: Zoning will not issue final approval until all requirements of the City of Wilmington are fulfilled.***

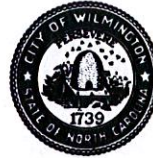
Please also be advised that any party aggrieved by the issuance of this approval may file a notice of appeal to the City Clerk within 30 days of receipt of active or constructive notice of this decision. It shall be presumed that all persons with standing to appeal have constructive notice of the decision from the date a sign containing the words "Zoning Decision" or "Subdivision Decision" in letters at least six inches high and identifying the means to contact an official for information about the decision is prominently posted on the property that is the subject of the decision, provided the sign remains on the property for at least 10 days. Posting of signs is not the only form of constructive notice. Any such posting shall be the responsibility of the landowner or applicant. Verification of the posting shall be provided to the official who made the decision. Absent an ordinance provision to the contrary, posting of signs shall not be required.

The City thanks you for your investment in our community and we look forward to working with you towards the construction of a quality development project.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Chambers".

Brian Chambers, AICP  
Senior Planner



**Planning, Development, & Transportation Department**  
 Planning Division  
 305 Chestnut Street  
 PO Box 1810  
 Wilmington, NC 28402-1810

**TRANSMITTAL LETTER**

910 254-0900  
 910 341-3264 fax  
 wilmingtonnc.gov  
 Dial 711 TTY/Voice

TO: John Barham, Zoning Inspector  
 DATE: January 19, 2018  
 SUBJECT: **Riverlights Age Qualified Ph II & III** (2016043)  
 LOCATION: 4410 River Road

**REVISION 3**

The following items are being sent to you via this package.

QUAN.	DWG./NO.	DESCRIPTION
1	Dated 1/10/18	Riverlights Aged Qualified Phase II & III Approved Plans
1	Dated 9/19/16	City Tree Removal Permit TPP-17-02
1	Dated 9/26/16	NHC Erosion Control #GP 38-16 R2
1	Dated 6/14/17	City Stormwater Discharge Permit No. 2017003 R1 (under separate cover)

REMARKS: **Revision 3** for **Riverlights Age Qualified Phase II & III** located in the Riverlights project at 4410 River Road, is hereby conditionally released for construction. The following conditions must be satisfied as part of this release:

- A. **A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN THE SITE CONTRACTOR AND CITY STAFF PRIOR TO ANY SITE WORK, TREE REMOVAL, CLEARING, OR GRADING BEGINNING ON THE SITE. FAILURE TO COMPLY WILL RESULT IN IMMEDIATE CIVIL PENALTIES. CONTACT 910-254-0900.**
- B. **ANY TREES, INCLUDING THE CRITICAL ROOT ZONE AREA, AND/OR AREA DESIGNATED TO BE SAVED MUST BE PROPERLY BARRICADED OR MARKED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING AND GRADING WILL OCCUR IN THOSE AREAS.**
- C. **NO EQUIPMENT IS ALLOWED ON THE SITE AND NO CONSTRUCTION OF ANY BUILDING, STRUCTURE, WALL, UTILITIES, INFRASTRUCTURE, ETC., OF ANY KIND, INCLUDING FOOTINGS AND BUILDING SLABS, WILL BE PERMITTED UNTIL:**
  - 1. **ALL TREE PROTECTION FENCING AND SILT FENCING HAS BEEN INSTALLED**
  - 2. **BETH WETHERILL HAS FORMALLY ISSUED THE GRADING PERMIT AND AUTHORIZED THE ACTIVITY**
  - 3. **THE CFPUA HAS AUTHORIZED THE WATER AND SEWER ACTIVITIES. THE CONTRACTOR MUST HAVE A PRECON WITH CFPUA 332-6560.**
  - 4. **THE CITY ZONING INSPECTOR AUTHORIZES THE ACTIVITY.**
- D. **ALL NECESSARY CHANGES TO THE STORMWATER PERMIT AS A RESULT OF THIS REVISED PLAN MUST BE INCORPORATED INTO THE STORMWATER PERMIT MODIFICATION AND SUBMITTED WITH THE NEXT REVISION TO THE AGE QUALIFIED NEIGHBORHOOD.**

- E. ALL IMPROVEMENTS, AS RECOMMENDED BY THE SUBMITTED AND APPROVED TRAFFIC IMPACT ANALYSIS (TIA) SHALL BE INSTALLED AND INSPECTED PRIOR TO THE ISSUANCE OF THE FINAL ZONING APPROVAL.**
- F. A COPY OF THE RECORDED MAP SHOWING ANY REQUIRED EASEMENTS AND RIGHT-OF-WAY FOR THE PROJECT MUST BE SUBMITTED PRIOR TO ISSUANCE OF THE FINAL ZONING APPROVAL.**
- G. THIS DEVELOPMENT SHALL COMPLY WITH ALL LOCAL, CITY TECHNICAL STANDARDS, REGIONAL, STATE AND FEDERAL DEVELOPMENT REGULATIONS.**
- H. ALL APPLICABLE TRC REQUIREMENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF THE FINAL ZONING APPROVAL.**
- I. PRIOR TO A FINAL INSPECTION, A WALKTHROUGH WITH CITY INSPECTIONS SHALL TAKE PLACE TO VERIFY COMPLETENESS OF SITE WORK IN ROW. ANY MATERIAL TEST REPORTS AND STORMWATER VIDEOS AS REQUIRED SHALL BE SUBMITTED PRIOR TO AND APPROVED BY CITY ENGINEERING. PLEASE CONTACT THE CITY ENGINEERING DIVISION AT 910.341.0094.**
- J. NO CONSTRUCTION ACTIVITY SHALL OCCUR WITHIN THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) RIGHT-OF-WAY UNTIL ALL NCDOT PERMITS HAVE BEEN ISSUED AND RECEIVED BY THE CITY. ALL IMPROVEMENTS REQUIRED SHALL BE INSTALLED AND APPROVED BY NCDOT PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.**
- K. PROPERTIES WITHIN THE SPECIAL FLOOD HAZARD AREA SHALL BE SUBJECT TO COMPLIANCE WITH ARTICLE 13 OF THE LAND DEVELOPMENT CODE. PLEASE CONTACT KATHRYN THURSTON, ZONING ADMINISTRATOR/FLOODPLAIN MANAGER (910.341.3249) FOR CLARIFICATION ON REQUIREMENTS FOR DEVELOPMENT IN THE FLOOD PLAIN.**
- L. THE DEVELOPER ASSUMES ALL RISKS AND PENALTIES WITH ANY DELAY OR STOP WORK ORDER ASSOCIATED WITH THE VIOLATION OF THIS RELEASE. THE DEVELOPER ACKNOWLEDGES THE CONDITIONS OF THIS RELEASE AND ASSUMES ALL RESPONSIBILITIES AND RISKS ASSOCIATED WITH IT. THE CITY OF WILMINGTON WILL NOT BE HELD LIABLE FOR ANY COSTS ASSOCIATED WITH THE CONSTRUCTION RELEASE.**
- M. APPROVAL OF A MAJOR OR MINOR SITE PLAN SHALL EXPIRE AFTER EIGHTEEN (18) MONTHS FROM THE DATE OF SUCH APPROVAL IF THE APPLICANT HAS FAILED TO MAKE SUBSTANTIAL PROGRESS ON THE SITE. THE TECHNICAL REVIEW COMMITTEE MAY GRANT A SINGLE, SIX-MONTH EXTENSION OF THIS TIME LIMIT FOR MAJOR AND MINOR SITE PLANS, FOR GOOD CAUSE SHOWN, UPON RECEIVING A REQUEST FROM THE APPLICANT BEFORE THE EXPIRATION OF THE APPROVED PLAN. IN THE EVENT APPROVAL OF A SITE PLAN HAS EXPIRED, FOR WHATEVER REASONS, THE OWNER AND/OR APPLICANT WILL BE REQUIRED TO RESUBMIT FOR APPROVAL OF A SITE PLAN THAT MEETS CURRENT DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED IN THIS CHAPTER.**
- N. IF THE CONDITIONS LISTED ABOVE ARE VIOLATED, A STOP WORK ORDER WILL BE ISSUED.**

Please notify New Hanover County Building Inspections of this release.

Signature: \_\_\_\_\_

  
Brian Chambers, AICP  
Senior Planner

Copy: Kathryn Espinoza, PE	McKim & Creed
Bret Russell	Construction Manager
Rob Gordon	Engineering
Jim Quinn	Stormwater Specialist
Aaron Reese	Urban Forestry
Rich Christensen	Engineering (email only)
Trent Butler	Engineering (email only)
Chris Elrod	Wilmington Fire Department (e-mail only)
Chris Walker	Wilmington Fire Department (e-mail only)
Brian Blackmon	Surveyor (e-mail only)
Jim Sahlie	GIS Addressing (e-mail only)
Bill McDow	Traffic Engineering (e-mail only)
Mitesh Baxi	Traffic Engineering (e-mail only)
Don Bennett	Traffic Engineering (e-mail only)
Bernice Johnson	CFPUA (e-mail letter only)
Beth Easley Wetherill	NHC Erosion Control (e-mail only)
Michelle Hutchinson	GIS Engineer (e-mail only)
Amy Beatty	Community Services (e-mail only)
Ryan O'Reilly	Community Services (e-mail only)
Joan Mancuso	City Zoning (email only)
Amy Schaefer	City Attorney's Office (email only)
Amy Dukes	City Attorney's Office (email only)

File: **Riverlights Age Qualified Ph II & III**

**Project File # 2016043**

REVISED 12/9/16  
LOD SHIFTED

*BC*



Development Services  
Planning Division  
305 Chestnut Street  
PO Box 1810  
Wilmington, NC 28402-1810

910 254-0900  
910 341-3264 fax  
www.wilmingtonnc.gov  
Dial 711 TTY/Voice

APPROVED: X DENIED: \_\_\_\_\_

PERMIT #: TPP-17-02

### Application for Tree Removal Permit

Name of Applicant: William Mumford, PE Phone: 704-887-5946 Date: 06/02/2016

Name of Property Owner: NNP IV Cape Fear River LLC Phone: 910-343-1048

Property Owner Address: 3410 River Road Wilmington, NC 28412

Address of Proposed Tree Removal: 4410 River Road Wilmington, NC 28412

Description of tree(s) to be removed/reason for removal: (provide attachment if necessary)

- |                        |           |
|------------------------|-----------|
| 1. <u>See Attached</u> | 6. _____  |
| 2. _____               | 7. _____  |
| 3. _____               | 8. _____  |
| 4. _____               | 9. _____  |
| 5. _____               | 10. _____ |

Description of Replacement Tree(s): Trees within the Age Qualified Ph. 2 & 3 neighborhood shall be replaced through the planting of street trees, buffer planting, and proposed park areas. Trees will also be preserved within conservation resource areas. See site plan.

Applicant Signature: *William Mumford* Date: 6-2-16

\*\*\*\*\*FOR OFFICIAL USE ONLY\*\*\*\*\*

Reviewed By: *[Signature]* Date: 6/19/16

Remarks: See overall tree mitigation plan

ALL WORK MUST BE IN COMPLIANCE WITH THE CITY LAND DEVELOPMENT CODE, ARTICLE 8, LANDSCAPING AND TREE PRESERVATION.

NEW CONSTRUCTION: \_\_\_\_\_ EXPANSION: \_\_\_\_\_ OTHER: \_\_\_\_\_ PAID: \$150<sup>00</sup> pd 7/6/16

#### Tree Preservation Permit Fees

Less than 1 acre	\$25.00
1-5 acres	\$50.00
5-10 acres	\$100.00
Greater than 10 acres	\$150.00

RECEIVED

JUL -5 2016

PLANNING DIVISION

Wilmington Landscaping Ordinance
RiverLights Age Qualified Ph. 2 & 3

<b>Minimum number of Trees to be on Post Development Site</b>
15 Trees/Acre * <span style="border: 1px solid black; padding: 2px;">67.37</span> Project Area
Equals = <span style="border: 1px solid black; padding: 2px;">1,011</span> Trees

Protected Trees to be Removed					
1293	Pines	0	Gum/Maple	0	Mimosa
31	Oaks	0	Cherry	0	Poplar
0	Crate Myrtle	0	Magnolia	0	Amer. Holly
Total = 1324 Trees					
Type	Regulated	Significant			
Conifers	1293	0			
Hardwoods	31	0			
Flowering Trees	0	0			
<b>Total Removed =</b>		<b>1324</b>			

Regulated Trees for Mitigation					
Pines	( 16,896 DBH	* 100%	) /	3 =	5,632 Trees
Oaks	( 260 DBH	* 50%	) /	3 =	43 Trees
Gum/Maple	( 0 DBH	* 50%	) /	3 =	
Cherry	( 0 DBH	* 0%	) /	3 =	
Crate Myrtle	( 0 DBH	* 0%	) /	3 =	
Magnolia	( 0 DBH	* 0%	) /	3 =	
Mimosa	( 0 DBH	* 0%	) /	3 =	
Poplar	( 0 DBH	* 0%	) /	3 =	
Amer. Holly	( 0 DBH	* 100%	) /	3 =	

Significant Trees for Mitigation					
Oaks	( 0 DBH *2*	100%	) /	3 =	
Gum/Maple	( 0 DBH *2*	50%	) /	3 =	
Cherry	( 0 DBH *2*	0%	) /	3 =	
Crate Myrtle	( 0 DBH *2*	0%	) /	3 =	
Magnolia	( 0 DBH *2*	0%	) /	3 =	
Mimosa	( 0 DBH *2*	0%	) /	3 =	
Poplar	( 0 DBH *2*	0%	) /	3 =	
Amer. Holly	( 0 DBH *2*	100%	) /	3 =	

<b>TOTAL MITIGATION REQUIRED =</b>	<b>6,686 Trees</b>
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## Age Qualified Phase 2

Northing	Easting	Elevation	Description	DBH
148122.1	2323895	16.13	OAK	8
147260	2323592	30.07	OAK	8
147334	2323590	31.87	OAK	8
147351	2323401	30.88	OAK	8
147426	2323386	29.33	OAK	8
147573	2323350	25.54	OAK	8
147548	2323356	26.19	OAK	8
147101	2323375	38.83	OAK	8
147049	2323179	35.78	OAK	8
147211	2323277	35.30	OAK	8
147202	2323305	36.54	OAK	8
147803	2323062	26.95	OAK	8
147809	2323160	21.62	OAK	8
147617	2323215	28.88	OAK	8
147511	2323045	26.59	OAK	8
147296	2323736	25.42	OAK	9
147389	2323402	29.89	OAK	9
147227	2323104	26.89	OAK	9
147121	2323177	32.58	OAK	9
147220	2323192	30.56	OAK	9
147492	2323155	30.73	OAK	9
147137	2323507	30.77	OAK	11
147909	2323499	25.90	PINE	12
147880	2323589	23.47	PINE	12
147957	2323618	20.97	PINE	12
148117	2323665	24.79	PINE	12
147937	2323460	25.40	PINE	12
147821	2323379	24.82	PINE	12
147804	2323376	24.83	PINE	12
147804	2323394	25.80	PINE	12
147731	2323466	27.25	PINE	12
147747	2323503	27.07	PINE	12
147025	2323727	22.16	PINE	12
147011	2323812	22.32	PINE	12
147023	2323760	22.20	PINE	12
147088	2323753	23.43	PINE	12
147098	2323755	23.90	PINE	12
147106	2323806	24.15	PINE	12
147124	2323833	24.41	PINE	12
147193	2323917	23.42	PINE	12
147064	2323916	22.18	PINE	12
147117	2323915	21.28	PINE	12
147083	2323892	21.41	PINE	12
147067	2323889	21.94	PINE	12
147060	2323875	21.92	PINE	12
147109	2323860	23.11	PINE	12
147065	2323820	22.94	PINE	12
147068	2323808	23.19	PINE	12
148309	2323784	21.89	PINE	12
148313	2323766	22.83	PINE	12
147242	2323889	25.86	PINE	12

Northing	Easting	Elevation	Description	DBH
147317	2323925	24.45	PINE	12
147326	2323934	24.20	PINE	12
147341	2323918	24.00	PINE	12
147362	2323961	23.86	PINE	12
147374	2323974	23.90	PINE	12
147387	2323974	23.77	PINE	12
147399	2323964	23.37	PINE	12
147467	2323928	20.45	PINE	12
147453	2324012	23.14	PINE	12
147399	2323993	23.95	PINE	12
147413	2324004	24.04	PINE	12
147444	2324014	23.19	PINE	12
147295	2323946	23.75	PINE	12
147229	2323916	24.28	PINE	12
147221	2324082	18.03	PINE	12
147308	2324029	21.60	PINE	12
147321	2324020	22.07	PINE	12
147339	2324004	22.96	PINE	12
147357	2324017	23.40	PINE	12
147351	2324026	22.98	PINE	12
147326	2324043	21.71	PINE	12
147357	2324042	22.31	PINE	12
147364	2324019	23.45	PINE	12
147287	2324059	19.80	PINE	12
147537	2323953	20.54	PINE	12
147559	2323957	20.89	PINE	12
147596	2323931	22.22	PINE	12
147631	2323919	23.48	PINE	12
147674	2323914	25.06	PINE	12
147706	2323891	27.68	PINE	12
147642	2323930	23.34	PINE	12
147645	2323941	22.65	PINE	12
147661	2323990	19.60	PINE	12
147646	2324047	19.05	PINE	12
147627	2323990	20.14	PINE	12
147614	2323996	20.39	PINE	12
147548	2324091	21.99	PINE	12
147539	2324005	21.45	PINE	12
147504	2324038	22.08	PINE	12
147489	2324041	22.47	PINE	12
147468	2324053	22.59	PINE	12
147493	2324095	21.52	PINE	12
147474	2324090	21.64	PINE	12
147420	2324083	21.85	PINE	12
147390	2324051	22.76	PINE	12
147367	2324078	20.94	PINE	12
147354	2324099	19.61	PINE	12
147354	2324106	19.27	PINE	12
147349	2324105	18.98	PINE	12
147436	2324180	16.99	PINE	12
147508	2324130	20.80	PINE	12
147477	2324122	20.20	PINE	12
147471	2324125	20.13	PINE	12
147447	2324108	21.11	PINE	12



Northing	Easting	Elevation	Description	DBH
147241	2324111	17.86	PINE	12
147254	2324119	17.89	PINE	12
147287	2324129	17.65	PINE	12
147292	2324124	17.74	PINE	12
147305	2324125	17.73	PINE	12
147320	2324154	17.27	PINE	12
147295	2324145	17.27	PINE	12
147310	2324172	17.05	PINE	12
147266	2324172	17.74	PINE	12
148166	2323766	24.42	PINE	12
148150	2323775	24.37	PINE	12
148158	2323754	25.06	PINE	12
148119	2323759	23.76	PINE	12
148106	2323741	23.96	PINE	12
148002	2323703	20.02	PINE	12
147969	2323737	20.62	PINE	12
147904	2323866	27.33	PINE	12
147885	2323865	27.64	PINE	12
147933	2323993	22.12	PINE	12
147934	2323976	23.22	PINE	12
147816	2323980	21.21	PINE	12
147797	2323990	19.83	PINE	12
147752	2323955	22.71	PINE	12
147718	2323966	22.22	PINE	12
147708	2323968	21.86	PINE	12
147718	2324034	15.73	PINE	12
147812	2324043	14.24	PINE	12
147837	2324069	12.56	PINE	12
147838	2324076	12.00	PINE	12
147826	2324074	11.92	PINE	12
147800	2324075	11.88	PINE	12
147861	2324106	10.42	PINE	12
147859	2324082	12.20	PINE	12
147885	2324116	9.99	PINE	12
147881	2324116	9.73	PINE	12
147898	2324123	9.98	PINE	12
147927	2324088	11.87	PINE	12
147919	2324088	12.07	PINE	12
147947	2324090	11.83	PINE	12
147961	2324115	9.35	PINE	12
147964	2324118	9.50	PINE	12
147977	2324108	9.90	PINE	12
147999	2324115	9.43	PINE	12
147803	2324181	10.87	PINE	12
147859	2324192	8.29	PINE	12
147839	2324181	9.34	PINE	12
147799	2324282	11.52	PINE	12
147804	2324273	10.70	PINE	12
147805	2324262	10.69	PINE	12
147774	2324203	11.74	PINE	12
147765	2324209	12.45	PINE	12
147767	2324222	11.88	PINE	12
147731	2324192	14.62	PINE	12
147754	2324186	12.91	PINE	12

Northing	Easting	Elevation	Description	DBH
147716	2324078	14.21	PINE	12
147735	2324084	13.65	PINE	12
147733	2324088	13.85	PINE	12
147727	2324089	13.80	PINE	12
147712	2324241	17.39	PINE	12
147653	2324163	20.00	PINE	12
147615	2324208	21.99	PINE	12
148221	2323815	21.03	PINE	12
148207	2323815	21.45	PINE	12
148197	2323839	19.54	PINE	12
148228	2323851	18.07	PINE	12
148239	2323835	19.08	PINE	12
148251	2323832	18.91	PINE	12
148256	2323828	19.15	PINE	12
148267	2323844	17.61	PINE	12
148241	2323891	14.14	PINE	12
147752	2324528	21.20	PINE	12
147749	2324514	21.80	PINE	12
147724	2324524	23.25	PINE	12
147724	2324605	20.05	PINE	12
147817	2324354	12.79	PINE	12
147812	2324357	13.02	PINE	12
147802	2324355	13.32	PINE	12
147815	2324388	13.83	PINE	12
147804	2324392	14.48	PINE	12
147762	2324370	16.45	PINE	12
147758	2324369	17.07	PINE	12
147750	2324409	19.40	PINE	12
147730	2324400	20.46	PINE	12
147715	2324397	21.46	PINE	12
147703	2324447	23.96	PINE	12
147670	2324439	24.53	PINE	12
147672	2324451	24.91	PINE	12
147616	2324233	22.21	PINE	12
147638	2324234	21.96	PINE	12
147646	2324240	21.61	PINE	12
147702	2324250	17.84	PINE	12
147592	2324411	22.17	PINE	12
147592	2324411	22.17	PINE	12
147606	2324418	22.51	PINE	12
147618	2324398	23.07	PINE	12
147619	2324374	22.91	PINE	12
147617	2324368	22.52	PINE	12
147419	2324295	18.12	PINE	12
147408	2324294	18.42	PINE	12
147403	2324308	19.29	PINE	12
147408	2324313	19.13	PINE	12
147371	2324293	19.31	PINE	12
147299	2324272	19.60	PINE	12
147286	2324236	18.85	PINE	12
147290	2324228	18.40	PINE	12
147430	2324184	17.23	PINE	12
147224	2324242	23.11	PINE	12
147246	2324214	19.90	PINE	12

Northing	Easting	Elevation	Description	DBH
147246	2324238	21.07	PINE	12
147249	2324246	21.68	PINE	12
147477	2324380	19.27	PINE	12
147484	2324388	19.43	PINE	12
147501	2324394	19.90	PINE	12
147535	2324430	21.55	PINE	12
147527	2324448	22.38	PINE	12
147514	2324470	22.96	PINE	12
147507	2324468	23.05	PINE	12
147662	2324598	23.28	PINE	12
147548	2324556	24.94	PINE	12
147555	2324580	25.67	PINE	12
147524	2324598	25.53	PINE	12
147445	2324527	25.16	PINE	12
147333	2324457	27.33	PINE	12
147360	2324524	26.73	PINE	12
147677	2323513	26.58	PINE	12
147727	2323548	27.41	PINE	12
147751	2323529	27.35	PINE	12
147735	2323602	28.47	PINE	12
147726	2323600	28.53	PINE	12
147707	2323631	29.37	PINE	12
147640	2323665	28.27	PINE	12
147591	2323741	29.27	PINE	12
147574	2323698	28.28	PINE	12
147554	2323726	29.21	PINE	12
147516	2323920	20.18	PINE	12
147526	2323848	24.22	PINE	12
147588	2323801	29.09	PINE	12
147683	2323742	31.06	PINE	12
147829	2323825	28.36	PINE	12
147754	2323654	30.23	PINE	12
147828	2323684	28.14	PINE	12
147851	2323712	27.03	PINE	12
147851	2323641	25.87	PINE	12
147838	2323667	27.01	PINE	12
147531	2323645	26.96	PINE	12
147533	2323664	27.33	PINE	12
147457	2323612	29.65	PINE	12
147439	2323609	30.33	PINE	12
147452	2323685	30.83	PINE	12
147420	2323774	26.28	PINE	12
147506	2323809	26.30	PINE	12
147496	2323765	28.70	PINE	12
147342	2323694	29.33	PINE	12
147331	2323697	28.61	PINE	12
147348	2323721	27.70	PINE	12
147269	2323704	26.75	PINE	12
147268	2323754	25.39	PINE	12
147234	2323769	26.15	PINE	12
147207	2323605	27.20	PINE	12
147179	2323576	27.08	PINE	12
147293	2323504	30.26	PINE	12
147347	2323513	30.52	PINE	12

Northing	Easting	Elevation	Description	DBH
147365	2323910	22.95	PINE	12
147480	2323861	21.66	PINE	12
147391	2323821	21.92	PINE	12
147291	2323830	24.64	PINE	12
147199	2323839	26.66	PINE	12
147106	2323736	24.02	PINE	12
147177	2323659	23.90	PINE	12
147100	2323641	23.55	PINE	12
147064	2323638	22.87	PINE	12
147109	2323594	24.45	PINE	12
147128	2323577	25.57	PINE	12
147014	2323570	24.84	PINE	12
147130	2323574	25.63	PINE	12
147264	2323424	30.54	PINE	12
147196	2323388	35.88	PINE	12
147750	2323396	26.20	PINE	12
147765	2323407	-66.66	PINE	12
147654	2323473	25.97	PINE	12
147584	2323622	25.22	PINE	12
147624	2323628	26.89	PINE	12
147265	2323258	33.50	PINE	12
146998	2323505	28.30	PINE	12
147000	2323425	33.19	PINE	12
147022	2323363	36.20	PINE	12
147042	2323420	35.77	PINE	12
147759	2323337	23.80	PINE	12
147780	2323361	24.52	PINE	12
147765	2323378	25.69	PINE	12
147732	2323374	25.76	PINE	12
147731	2323359	24.83	PINE	12
147759	2323352	24.21	PINE	12
147744	2323161	24.10	PINE	12
147703	2323039	29.73	PINE	12
147742	2323031	30.35	PINE	12
147730	2323029	30.43	PINE	12
147795	2323036	28.76	PINE	12
147664	2323200	27.04	PINE	12
147688	2323108	28.38	PINE	12
147685	2323084	29.08	PINE	12
147471	2323061	28.08	PINE	12
147451	2323095	29.30	PINE	12
147582	2323172	29.71	PINE	12
147436	2323159	30.39	PINE	12
147633	2323265	26.37	PINE	12
147648	2323270	25.43	PINE	12
147666	2323282	24.45	PINE	12
147705	2323312	23.59	PINE	12
147715	2323260	22.72	PINE	12
147618	2323209	28.87	PINE	12
147432	2322963	24.62	PINE	12
147460	2322912	25.61	PINE	12
147424	2322880	24.15	PINE	12
147195	2322832	26.67	PINE	12
147124	2322867	28.61	PINE	12

Northing	Easting	Elevation	Description	DBH
147243	2322871	26.54	PINE	12
147222	2322875	26.85	PINE	12
147208	2322879	27.10	PINE	12
147069	2322996	30.68	PINE	12
147080	2323035	30.04	PINE	12
147117	2323017	29.49	PINE	12
147173	2323009	27.26	PINE	12
147000	2323078	33.02	PINE	12
147050	2323089	32.39	PINE	12
147060	2323097	32.34	PINE	12
147004	2323120	34.50	PINE	12
146991	2323103	34.01	PINE	12
147414	2324485	25.62	PINE	13
147047	2323667	22.42	PINE	13
147573	2323696	27.93	PINE	13
147689	2323819	30.80	PINE	13
147268	2323740	25.80	PINE	13
147401	2323867	20.54	PINE	13
147289	2323878	25.20	PINE	13
147176	2323796	26.48	PINE	13
147146	2323774	25.76	PINE	13
147177	2323666	23.90	PINE	13
147411	2323322	32.60	PINE	13
147688	2323476	26.64	PINE	13
147617	2323548	25.25	PINE	13
147170	2323080	26.16	PINE	13
147717	2323350	24.83	PINE	13
147737	2323293	22.58	PINE	13
147572	2323078	27.34	PINE	13
147496	2323037	26.79	PINE	13
147457	2322980	25.48	PINE	13
147905	2323514	25.74	PINE	14
147856	2323579	24.62	PINE	14
147953	2323612	21.16	PINE	14
148138	2323661	25.58	PINE	14
147965	2323499	25.68	PINE	14
147036	2323891	22.42	PINE	14
147159	2323879	24.34	PINE	14
147203	2323913	24.16	PINE	14
147134	2323958	19.93	PINE	14
147064	2323859	22.12	PINE	14
148273	2323739	23.71	PINE	14
147284	2323937	24.06	PINE	14
147294	2323913	25.14	PINE	14
147388	2324013	24.06	PINE	14
147373	2323992	24.27	PINE	14
147339	2323976	23.90	PINE	14
147243	2323971	21.34	PINE	14
147180	2323967	19.97	PINE	14
147149	2323963	19.74	PINE	14
147156	2323995	19.16	PINE	14
147160	2323992	19.32	PINE	14
147169	2323985	19.36	PINE	14
147220	2324004	19.14	PINE	14

Northing	Easting	Elevation	Description	DBH
147254	2324091	18.33	PINE	14
147249	2324088	18.16	PINE	14
147250	2324073	18.47	PINE	14
147266	2324074	18.72	PINE	14
147282	2324095	18.55	PINE	14
147297	2324025	21.19	PINE	14
147350	2324003	23.61	PINE	14
147782	2323844	29.65	PINE	14
147599	2323970	21.16	PINE	14
147492	2324102	21.37	PINE	14
147437	2324091	21.55	PINE	14
147391	2324075	21.79	PINE	14
147440	2324153	18.36	PINE	14
147502	2324142	20.19	PINE	14
147284	2324133	17.47	PINE	14
147298	2324132	17.73	PINE	14
147325	2324129	17.83	PINE	14
147326	2324146	17.41	PINE	14
147317	2324148	17.46	PINE	14
147289	2324153	17.34	PINE	14
147280	2324187	17.37	PINE	14
148152	2323929	12.97	PINE	14
147792	2324102	11.19	PINE	14
147828	2324316	10.47	PINE	14
147849	2324335	10.16	PINE	14
147839	2324370	11.77	PINE	14
147849	2324361	10.93	PINE	14
147815	2324371	13.32	PINE	14
147789	2324387	15.02	PINE	14
147789	2324402	15.89	PINE	14
147773	2324407	17.28	PINE	14
147732	2324243	15.42	PINE	14
147670	2324254	20.62	PINE	14
147634	2324479	24.08	PINE	14
147516	2324183	19.20	PINE	14
147506	2324202	18.26	PINE	14
147490	2324205	17.46	PINE	14
147487	2324261	15.83	PINE	14
147328	2324363	24.09	PINE	14
147358	2324407	24.53	PINE	14
147533	2324583	25.38	PINE	14
147635	2324639	22.56	PINE	14
147497	2324504	24.79	PINE	14
147012	2323613	23.32	PINE	14
147614	2323755	29.96	PINE	14
147481	2323892	20.42	PINE	14
147459	2323900	19.94	PINE	14
147817	2323808	28.88	PINE	14
147776	2323610	29.00	PINE	14
147397	2323650	31.64	PINE	14
147413	2323683	31.09	PINE	14
147457	2323687	30.72	PINE	14
147392	2323755	26.89	PINE	14
147470	2323799	25.94	PINE	14

Northing	Easting	Elevation	Description	DBH
147346	2323673	30.16	PINE	14
147344	2323668	30.47	PINE	14
147225	2323668	26.03	PINE	14
147203	2323628	26.38	PINE	14
147226	2323614	28.22	PINE	14
147226	2323621	27.87	PINE	14
147168	2323824	26.06	PINE	14
147017	2323611	23.53	PINE	14
147182	2323682	23.94	PINE	14
147080	2323615	23.65	PINE	14
147153	2323576	26.24	PINE	14
147280	2323368	33.36	PINE	14
147532	2323509	23.97	PINE	14
147472	2323526	25.89	PINE	14
147724	2323403	26.47	PINE	14
147686	2323479	26.59	PINE	14
147653	2323507	25.93	PINE	14
147537	2323569	24.44	PINE	14
147641	2323581	26.38	PINE	14
147290	2323138	29.26	PINE	14
147355	2322994	27.00	PINE	14
146997	2323376	34.81	PINE	14
146917	2323262	33.92	PINE	14
147816	2323192	21.54	PINE	14
147752	2323291	22.18	PINE	14
147657	2323120	28.56	PINE	14
147599	2323051	27.06	PINE	14
147490	2322946	26.10	PINE	14
147139	2322899	28.02	PINE	14
147186	2322904	27.06	PINE	14
147109	2322941	29.99	PINE	14
147237	2322986	27.25	PINE	14
147028	2323175	35.85	PINE	14
147024	2323738	22.51	PINE	15
147997	2323948	25.02	PINE	15
148242	2323902	12.80	PINE	15
147786	2324565	17.32	PINE	15
147392	2324183	16.70	PINE	15
147037	2323670	22.72	PINE	15
147727	2323705	31.19	PINE	15
147398	2323591	31.13	PINE	15
147394	2323654	31.89	PINE	15
147431	2323775	26.27	PINE	15
147469	2323734	29.60	PINE	15
147378	2323847	20.97	PINE	15
147142	2323748	25.18	PINE	15
147650	2323436	25.63	PINE	15
147505	2323194	30.58	PINE	15
147833	2323421	26.19	PINE	16
147160	2323870	24.93	PINE	16
147270	2323923	24.78	PINE	16
147204	2323937	22.49	PINE	16
147167	2324007	18.96	PINE	16
147226	2324044	18.94	PINE	16

Northing	Easting	Elevation	Description	DBH
147288	2324053	19.91	PINE	16
147629	2323894	25.80	PINE	16
147573	2324087	21.66	PINE	16
147269	2324199	18.34	PINE	16
147252	2324111	17.91	PINE	16
148229	2323759	22.98	PINE	16
148206	2323783	23.19	PINE	16
147847	2323862	27.93	PINE	16
147539	2324452	22.29	PINE	16
147421	2323645	31.55	PINE	16
147310	2323761	24.45	PINE	16
146980	2323297	35.74	PINE	16
147671	2323152	27.69	PINE	16
147682	2323130	27.67	PINE	16
147574	2323058	26.72	PINE	16
147648	2323007	29.11	PINE	16
147156	2323048	27.13	PINE	16



### Age Qualified Phase 3

Northing	Easting	Elevation	Description	DBH
146415	2325846	22.88	OAK	8
146428	2325856	21.11	OAK	8
146380	2325908	28.59	OAK	8
146381	2325919	26.42	OAK	8
146411	2325920	22.06	OAK	8
146433	2325925	19.02	OAK	8
146957	2324718	12.87	OAK	8
146084	2325794	19.67	OAK	8
146952	2324857	13.05	OAK	11
147226	2324366	27.78	PINE	12
146131	2325790	22.14	PINE	12
146137	2325780	22.31	PINE	12
146169	2325810	24.93	PINE	12
146166	2325812	24.94	PINE	12
146140	2325837	23.91	PINE	12
146204	2325838	28.11	PINE	12
146229	2325847	29.92	PINE	12
146245	2325949	30.99	PINE	12
146252	2325946	31.65	PINE	12
146224	2325935	30.40	PINE	12
146326	2325986	28.13	PINE	12
146259	2325849	32.18	PINE	12
146323	2325894	33.00	PINE	12
146318	2325906	33.18	PINE	12
146294	2325887	33.78	PINE	12
146119	2325727	21.93	PINE	12
146137	2325707	23.45	PINE	12
146438	2325813	19.83	PINE	12
146477	2325920	13.24	PINE	12
146484	2325930	13.20	PINE	12
146481	2325944	12.68	PINE	12
146479	2325958	12.26	PINE	12
146421	2325952	19.79	PINE	12
146379	2325942	26.20	PINE	12
146439	2326001	15.72	PINE	12
146598	2326053	10.46	PINE	12
146548	2326029	9.88	PINE	12
146521	2326006	10.10	PINE	12
146527	2325980	11.15	PINE	12
146515	2325972	11.39	PINE	12
146841	2325999	16.70	PINE	12
146822	2325963	17.81	PINE	12
146799	2325979	17.05	PINE	12
146757	2326029	17.13	PINE	12
146767	2326017	16.70	PINE	12
146708	2326025	16.22	PINE	12
146681	2326017	15.63	PINE	12
146681	2326006	16.28	PINE	12
146635	2326043	12.13	PINE	12
146641	2326008	14.49	PINE	12
146579	2325992	12.26	PINE	12

Northing	Easting	Elevation	Description	DBH
146587	2325995	12.67	PINE	12
146602	2325980	13.84	PINE	12
146577	2325937	15.11	PINE	12
146633	2325930	17.05	PINE	12
146638	2325894	17.06	PINE	12
146637	2325985	15.14	PINE	12
146740	2325895	16.15	PINE	12
146900	2325884	16.51	PINE	12
146881	2325887	16.83	PINE	12
146905	2325858	14.53	PINE	12
146814	2325876	17.48	PINE	12
146903	2325789	12.49	PINE	12
146904	2325778	12.75	PINE	12
146919	2325727	13.14	PINE	12
146925	2325720	12.83	PINE	12
146851	2325798	13.66	PINE	12
146754	2325763	14.96	PINE	12
146740	2325745	14.14	PINE	12
146727	2325744	13.74	PINE	12
146700	2325753	13.59	PINE	12
146751	2325842	16.51	PINE	12
146694	2325852	15.43	PINE	12
146704	2325810	14.98	PINE	12
146670	2325763	13.35	PINE	12
146661	2325757	13.47	PINE	12
146634	2325774	14.12	PINE	12
146676	2325781	14.03	PINE	12
146655	2325790	13.78	PINE	12
146653	2325811	14.34	PINE	12
146659	2325854	15.56	PINE	12
146617	2325834	15.61	PINE	12
146611	2325767	15.06	PINE	12
146588	2325813	15.93	PINE	12
146505	2325798	17.04	PINE	12
146500	2325877	14.71	PINE	12
146533	2325941	13.12	PINE	12
146594	2325892	17.32	PINE	12
146527	2325764	18.28	PINE	12
146540	2325712	20.49	PINE	12
146577	2325715	18.77	PINE	12
146636	2325739	14.53	PINE	12
146675	2325724	12.70	PINE	12
146673	2325712	12.75	PINE	12
146563	2325689	20.13	PINE	12
146564	2325697	19.87	PINE	12
146738	2325720	12.96	PINE	12
146777	2325717	13.93	PINE	12
146749	2325703	13.06	PINE	12
146706	2325691	12.33	PINE	12
146709	2325685	12.36	PINE	12
146693	2325619	13.64	PINE	12
146705	2325621	13.37	PINE	12
146774	2325637	12.14	PINE	12
146811	2325639	12.52	PINE	12

Northing	Easting	Elevation	Description	DBH
146833	2325639	12.54	PINE	12
146887	2325672	12.33	PINE	12
146909	2325671	12.06	PINE	12
146931	2325685	11.70	PINE	12
146793	2325606	12.19	PINE	12
146755	2325573	12.10	PINE	12
146755	2325573	12.46	PINE	12
146742	2325520	12.66	PINE	12
146736	2325564	12.34	PINE	12
146670	2325434	14.14	PINE	12
146682	2325501	13.41	PINE	12
146685	2325534	13.22	PINE	12
146676	2325558	14.62	PINE	12
146588	2325588	18.19	PINE	12
146560	2325608	18.87	PINE	12
146535	2325653	20.91	PINE	12
146505	2325627	20.49	PINE	12
146454	2325657	22.35	PINE	12
146405	2325547	19.38	PINE	12
146567	2325555	16.76	PINE	12
146568	2325526	15.80	PINE	12
146578	2325526	16.10	PINE	12
146626	2325472	14.48	PINE	12
146614	2325432	14.68	PINE	12
146514	2325491	14.04	PINE	12
146477	2325499	15.12	PINE	12
147118	2325962	15.71	PINE	12
147140	2325963	15.74	PINE	12
147172	2325936	15.21	PINE	12
147188	2325934	15.04	PINE	12
147211	2325962	15.36	PINE	12
146991	2325958	17.76	PINE	12
146937	2325982	18.73	PINE	12
146941	2325969	18.85	PINE	12
146921	2325806	11.90	PINE	12
146957	2325821	12.22	PINE	12
147027	2325826	10.87	PINE	12
146979	2325831	11.92	PINE	12
146963	2325866	14.10	PINE	12
146997	2325841	11.92	PINE	12
147088	2325814	10.43	PINE	12
147011	2325799	10.06	PINE	12
146935	2325799	12.18	PINE	12
146930	2325767	12.39	PINE	12
146940	2325771	12.52	PINE	12
146974	2325771	11.18	PINE	12
147088	2325792	9.85	PINE	12
147582	2325690	11.68	PINE	12
147578	2325767	13.50	PINE	12
147557	2325839	14.18	PINE	12
147522	2325868	13.90	PINE	12
147478	2325871	13.70	PINE	12
147482	2325898	13.71	PINE	12
147403	2325876	11.45	PINE	12

Northing	Easting	Elevation	Description	DBH
147429	2325891	13.12	PINE	12
147398	2325916	12.54	PINE	12
147359	2325919	12.64	PINE	12
147383	2325913	12.16	PINE	12
147378	2325906	11.58	PINE	12
147371	2325896	11.37	PINE	12
147348	2325897	11.16	PINE	12
147345	2325928	12.78	PINE	12
147336	2325942	13.34	PINE	12
147325	2325898	11.28	PINE	12
146994	2325731	11.54	PINE	12
147008	2325739	11.25	PINE	12
147038	2325704	10.67	PINE	12
147018	2325684	10.98	PINE	12
146979	2325661	10.46	PINE	12
146963	2325634	10.39	PINE	12
146989	2325593	9.97	PINE	12
146993	2325570	9.56	PINE	12
147016	2325545	9.74	PINE	12
146971	2325531	10.06	PINE	12
146988	2325434	10.29	PINE	12
146988	2325420	10.03	PINE	12
147005	2325430	9.86	PINE	12
147013	2325277	9.91	PINE	12
147037	2325267	9.93	PINE	12
147042	2325275	9.79	PINE	12
147074	2325295	9.13	PINE	12
147069	2325275	9.40	PINE	12
147038	2325258	10.02	PINE	12
147015	2325200	10.28	PINE	12
147030	2325223	10.89	PINE	12
147029	2325170	10.16	PINE	12
147171	2325188	9.25	PINE	12
147167	2325158	9.25	PINE	12
147189	2325172	9.42	PINE	12
147189	2325130	9.05	PINE	12
147095	2325143	9.33	PINE	12
147095	2325175	9.91	PINE	12
147078	2325506	9.21	PINE	12
147066	2325510	9.19	PINE	12
147097	2325448	9.24	PINE	12
146891	2325564	11.85	PINE	12
146888	2325559	11.83	PINE	12
146865	2325547	12.29	PINE	12
146845	2325562	12.15	PINE	12
146830	2325528	12.55	PINE	12
146764	2325454	12.89	PINE	12
146751	2325400	13.22	PINE	12
146640	2325390	15.37	PINE	12
146688	2325313	14.49	PINE	12
146748	2325301	13.54	PINE	12
146719	2325366	14.43	PINE	12
146784	2325401	12.92	PINE	12
146830	2325312	12.40	PINE	12

Northing	Easting	Elevation	Description	DBH
146843	2325325	12.50	PINE	12
146851	2325336	12.47	PINE	12
146866	2325368	12.28	PINE	12
146885	2325407	12.36	PINE	12
146881	2325468	11.88	PINE	12
146952	2325511	10.49	PINE	12
146948	2325501	10.27	PINE	12
146933	2325471	10.72	PINE	12
146962	2325432	10.69	PINE	12
146951	2325421	10.36	PINE	12
146911	2325401	11.18	PINE	12
146886	2325349	11.68	PINE	12
146920	2325354	11.18	PINE	12
146972	2325376	9.89	PINE	12
146978	2325371	9.92	PINE	12
146974	2325341	10.18	PINE	12
146952	2325313	10.89	PINE	12
146953	2325324	10.89	PINE	12
146936	2325317	11.23	PINE	12
146906	2325276	11.69	PINE	12
146493	2325375	13.71	PINE	12
146595	2325345	15.60	PINE	12
146609	2325333	15.23	PINE	12
146619	2325275	14.51	PINE	12
146567	2325263	14.94	PINE	12
146571	2325233	14.61	PINE	12
146574	2325243	14.64	PINE	12
146594	2325259	14.26	PINE	12
146633	2325285	14.74	PINE	12
146657	2325221	14.26	PINE	12
146699	2325253	13.66	PINE	12
146763	2325262	13.76	PINE	12
146792	2325281	13.27	PINE	12
146817	2325248	13.17	PINE	12
146787	2325207	13.40	PINE	12
146779	2325196	13.78	PINE	12
146775	2325187	13.59	PINE	12
146734	2325174	14.04	PINE	12
146678	2325161	13.58	PINE	12
146671	2325180	14.48	PINE	12
146644	2325161	14.05	PINE	12
146622	2325169	14.13	PINE	12
146624	2325146	14.34	PINE	12
146599	2325122	14.33	PINE	12
146632	2325059	12.40	PINE	12
146758	2324660	15.03	PINE	12
146692	2324868	12.16	PINE	12
146718	2324830	11.66	PINE	12
146728	2324796	12.12	PINE	12
146728	2324718	14.41	PINE	12
146723	2324743	13.93	PINE	12
146740	2324749	13.53	PINE	12
146765	2324723	13.75	PINE	12
146882	2324823	11.96	PINE	12

Northing	Easting	Elevation	Description	DBH
146825	2324913	13.51	PINE	12
146794	2324920	12.94	PINE	12
146762	2324914	12.06	PINE	12
146715	2324972	12.49	PINE	12
146795	2324957	14.05	PINE	12
146776	2324963	14.10	PINE	12
146664	2325027	12.06	PINE	12
146693	2325135	13.96	PINE	12
146757	2325067	13.35	PINE	12
146747	2325107	13.21	PINE	12
146767	2325147	13.71	PINE	12
146783	2325106	13.15	PINE	12
146833	2325141	12.82	PINE	12
146907	2325180	11.49	PINE	12
146913	2325153	11.35	PINE	12
146884	2325143	11.76	PINE	12
146860	2325159	12.04	PINE	12
146867	2325117	12.01	PINE	12
146972	2325037	11.30	PINE	12
146936	2325122	10.96	PINE	12
146967	2325219	10.65	PINE	12
146998	2325162	10.18	PINE	12
146983	2325119	10.44	PINE	12
146991	2325107	10.40	PINE	12
146984	2325081	10.82	PINE	12
146998	2325070	10.45	PINE	12
147006	2324972	11.37	PINE	12
147029	2324962	11.27	PINE	12
146960	2324969	11.85	PINE	12
146960	2324912	12.50	PINE	12
146951	2324895	12.65	PINE	12
146962	2324867	12.77	PINE	12
146952	2324854	13.36	PINE	12
146935	2324928	13.04	PINE	12
146894	2324931	11.27	PINE	12
146895	2324704	12.08	PINE	12
146920	2324723	12.37	PINE	12
146949	2324735	13.25	PINE	12
147020	2324748	14.80	PINE	12
147076	2324625	14.39	PINE	12
147116	2324632	13.45	PINE	12
147088	2324752	13.85	PINE	12
147073	2324818	12.74	PINE	12
147008	2324821	13.50	PINE	12
146970	2324853	13.24	PINE	12
147135	2324790	13.44	PINE	12
147121	2324809	12.80	PINE	12
147100	2324836	12.15	PINE	12
147087	2324914	11.33	PINE	12
147224	2324944	12.95	PINE	12
147212	2324960	12.19	PINE	12
147204	2325011	11.74	PINE	12
147185	2324990	11.14	PINE	12
147130	2324973	10.57	PINE	12

Northing	Easting	Elevation	Description	DBH
147065	2325101	9.64	PINE	12
147444	2325160	12.96	PINE	12
147444	2325145	12.56	PINE	12
147379	2325129	12.67	PINE	12
147402	2325174	13.13	PINE	12
147366	2325200	11.03	PINE	12
147330	2325177	10.85	PINE	12
147220	2325168	9.13	PINE	12
147285	2325132	11.40	PINE	12
147356	2325132	12.91	PINE	12
147334	2325112	12.76	PINE	12
147306	2325121	12.41	PINE	12
147287	2325094	12.82	PINE	12
147311	2325094	13.34	PINE	12
147304	2325069	13.63	PINE	12
147323	2325068	13.85	PINE	12
147234	2325108	11.03	PINE	12
147227	2325106	10.97	PINE	12
147235	2325072	12.06	PINE	12
147237	2325003	12.96	PINE	12
147242	2324985	13.34	PINE	12
147260	2324934	13.82	PINE	12
147280	2325012	13.48	PINE	12
147254	2325022	12.89	PINE	12
147278	2325044	13.67	PINE	12
147343	2325024	14.17	PINE	12
147428	2324980	13.29	PINE	12
147461	2325049	14.07	PINE	12
147480	2324985	12.64	PINE	12
147602	2324854	15.47	PINE	12
147539	2324868	16.84	PINE	12
147548	2324924	15.00	PINE	12
147610	2324678	21.77	PINE	12
147553	2324697	21.30	PINE	12
147544	2324829	18.53	PINE	12
147469	2324732	20.14	PINE	12
147453	2324758	18.64	PINE	12
147434	2324776	16.76	PINE	12
147426	2324805	14.78	PINE	12
147473	2324901	14.34	PINE	12
147467	2324880	14.70	PINE	12
147476	2324860	15.80	PINE	12
147422	2324914	13.80	PINE	12
147395	2324941	12.99	PINE	12
147459	2324674	22.65	PINE	12
147317	2324892	14.42	PINE	12
147328	2324835	13.45	PINE	12
147302	2324806	12.30	PINE	12
147267	2324830	12.65	PINE	12
147263	2324827	12.48	PINE	12
147249	2324854	13.06	PINE	12
147241	2324855	13.21	PINE	12
147217	2324820	12.94	PINE	12
147233	2324811	12.66	PINE	12

Northing	Easting	Elevation	Description	DBH
147153	2324698	12.96	PINE	12
147187	2324704	12.51	PINE	12
147209	2324720	12.20	PINE	12
147224	2324709	13.03	PINE	12
147244	2324671	16.53	PINE	12
147227	2324734	12.30	PINE	12
147220	2324744	11.96	PINE	12
147245	2324747	11.85	PINE	12
147331	2324757	13.81	PINE	12
147315	2324730	15.30	PINE	12
147324	2324707	17.32	PINE	12
147328	2324708	17.43	PINE	12
147420	2324634	23.24	PINE	12
147367	2324728	17.34	PINE	12
147486	2324605	25.12	PINE	12
147258	2324590	22.13	PINE	12
147244	2324589	21.59	PINE	12
147234	2324623	19.31	PINE	12
147280	2324570	23.72	PINE	12
147298	2324557	24.87	PINE	12
147329	2324578	24.87	PINE	12
147208	2324409	27.28	PINE	12
147129	2324413	23.04	PINE	12
147109	2324450	20.54	PINE	12
147131	2324436	21.77	PINE	12
147026	2324536	15.69	PINE	12
147012	2324567	14.32	PINE	12
147052	2324575	15.08	PINE	12
147029	2324441	21.24	PINE	12
147030	2324445	21.03	PINE	12
146973	2324509	17.12	PINE	12
146995	2324579	13.80	PINE	12
146855	2324647	14.70	PINE	12
146894	2324668	13.55	PINE	12
146946	2324604	13.06	PINE	12
146974	2324596	13.03	PINE	12
146979	2324568	13.77	PINE	12
146963	2324558	14.19	PINE	12
146929	2324598	13.60	PINE	12
146917	2324576	14.42	PINE	12
146900	2324520	16.55	PINE	12
146864	2324479	19.43	PINE	12
146883	2324468	20.23	PINE	12
146501	2326012	10.71	PINE	13
146553	2326005	11.04	PINE	13
146511	2325960	11.74	PINE	13
146625	2326023	12.81	PINE	13
146680	2325926	17.79	PINE	13
146709	2325947	17.01	PINE	13
146770	2325876	17.59	PINE	13
146786	2325922	17.81	PINE	13
146807	2325913	18.02	PINE	13
146892	2325844	14.17	PINE	13
146899	2325767	12.78	PINE	13



Northing	Easting	Elevation	Description	DBH
146876	2325716	13.34	PINE	13
146870	2325749	14.03	PINE	13
146778	2325783	15.56	PINE	13
146707	2325867	15.60	PINE	13
146672	2325853	15.29	PINE	13
146631	2325847	16.01	PINE	13
146599	2325794	15.13	PINE	13
146573	2325833	16.81	PINE	13
146558	2325849	16.90	PINE	13
146498	2325822	16.16	PINE	13
146500	2325873	14.91	PINE	13
146569	2325889	16.42	PINE	13
146473	2325785	17.89	PINE	13
146519	2325771	18.20	PINE	13
146531	2325689	21.49	PINE	13
146685	2325711	12.50	PINE	13
146815	2325717	14.20	PINE	13
146727	2325702	12.63	PINE	13
146656	2325661	14.36	PINE	13
146854	2325613	12.08	PINE	13
146912	2325659	11.95	PINE	13
146897	2325626	11.89	PINE	13
146758	2325518	12.54	PINE	13
146725	2325519	12.52	PINE	13
146728	2325615	12.40	PINE	13
146708	2325481	13.28	PINE	13
146704	2325507	13.39	PINE	13
146459	2325594	20.54	PINE	13
146459	2325571	19.46	PINE	13
146416	2325557	19.50	PINE	13
146436	2325503	16.79	PINE	13
146583	2325513	15.69	PINE	13
146518	2325501	14.70	PINE	13
147026	2325996	17.97	PINE	13
147046	2325993	17.38	PINE	13
147028	2325959	17.15	PINE	13
147037	2325963	17.62	PINE	13
147070	2325940	15.90	PINE	13
147034	2325934	16.21	PINE	13
146938	2325891	15.88	PINE	13
146930	2325819	12.32	PINE	13
146969	2325828	12.01	PINE	13
146978	2325830	12.01	PINE	13
147013	2325809	10.29	PINE	13
147007	2325853	12.66	PINE	13
147001	2325787	10.30	PINE	13
147047	2325751	10.52	PINE	13
147070	2325725	10.67	PINE	13
147600	2325734	12.62	PINE	13
147493	2325900	13.68	PINE	13
147439	2325907	13.41	PINE	13
147370	2325937	13.22	PINE	13
147369	2325886	10.63	PINE	13
147026	2325733	11.06	PINE	13

Northing	Easting	Elevation	Description	DBH
147052	2325615	9.58	PINE	13
147016	2325640	9.90	PINE	13
147016	2325587	9.82	PINE	13
146994	2325549	9.73	PINE	13
147019	2325487	9.55	PINE	13
147060	2325300	9.76	PINE	13
147018	2325209	10.26	PINE	13
147142	2325215	9.30	PINE	13
147174	2325173	9.10	PINE	13
147173	2325104	9.37	PINE	13
147100	2325139	9.40	PINE	13
147110	2325486	8.87	PINE	13
147041	2325508	9.14	PINE	13
146926	2325598	10.71	PINE	13
146724	2325393	14.09	PINE	13
146629	2325396	15.07	PINE	13
146808	2325387	14.37	PINE	13
146878	2325426	12.45	PINE	13
146939	2325534	10.74	PINE	13
146962	2325451	10.57	PINE	13
146951	2325381	9.98	PINE	13
146907	2325380	10.97	PINE	13
146894	2325276	11.80	PINE	13
146618	2325292	14.90	PINE	13
146628	2325246	14.24	PINE	13
146619	2325225	13.95	PINE	13
146820	2325256	13.45	PINE	13
146707	2325171	14.26	PINE	13
146609	2325197	14.29	PINE	13
146631	2325142	14.16	PINE	13
146781	2324641	15.29	PINE	13
146795	2324762	11.56	PINE	13
146868	2324716	11.96	PINE	13
146786	2324974	14.10	PINE	13
146673	2325060	13.42	PINE	13
146748	2325076	13.15	PINE	13
146788	2325138	13.31	PINE	13
146876	2325235	12.60	PINE	13
146928	2324938	13.01	PINE	13
147015	2324659	13.25	PINE	13
146962	2324820	13.40	PINE	13
147071	2324634	14.92	PINE	13
147121	2324714	14.33	PINE	13
147023	2324786	13.88	PINE	13
147131	2324769	13.61	PINE	13
147038	2324923	11.72	PINE	13
147192	2325008	11.27	PINE	13
147065	2325103	9.62	PINE	13
147352	2325161	12.15	PINE	13
147313	2325093	12.95	PINE	13
147276	2324977	13.97	PINE	13
147362	2324962	13.27	PINE	13
147365	2324978	13.32	PINE	13
147472	2325131	13.00	PINE	13

Northing	Easting	Elevation	Description	DBH
147568	2324996	12.92	PINE	13
147492	2324724	21.25	PINE	13
147431	2324823	14.36	PINE	13
147322	2324838	13.60	PINE	13
147327	2324795	12.49	PINE	13
147195	2324781	12.93	PINE	13
147244	2324662	17.09	PINE	13
147226	2324762	12.06	PINE	13
147290	2324757	12.45	PINE	13
147349	2324777	13.72	PINE	13
147306	2324705	17.10	PINE	13
147344	2324693	19.08	PINE	13
147396	2324697	19.92	PINE	13
147084	2324432	20.99	PINE	13
146985	2324444	21.38	PINE	13
146855	2324545	16.00	PINE	13
146871	2324529	16.13	PINE	13
146352	2325698	28.38	PINE	14
146389	2325711	24.77	PINE	14
146459	2325794	18.32	PINE	14
146457	2325850	17.56	PINE	14
146468	2325879	15.94	PINE	14
146605	2326049	10.66	PINE	14
146560	2326008	11.28	PINE	14
146541	2326010	10.32	PINE	14
146533	2325994	10.56	PINE	14
146518	2325995	10.45	PINE	14
146491	2325961	11.70	PINE	14
146491	2325968	11.65	PINE	14
146904	2325998	17.79	PINE	14
146875	2326009	17.10	PINE	14
146773	2326021	16.94	PINE	14
146782	2326032	16.19	PINE	14
146724	2326025	16.67	PINE	14
146689	2326019	16.27	PINE	14
146662	2325998	16.09	PINE	14
146657	2326034	13.79	PINE	14
146625	2326040	11.74	PINE	14
146552	2325955	12.82	PINE	14
146564	2325965	13.27	PINE	14
146559	2325976	12.23	PINE	14
146597	2325981	13.85	PINE	14
146584	2325988	12.88	PINE	14
146583	2325944	14.80	PINE	14
146635	2325896	17.15	PINE	14
146881	2325867	16.04	PINE	14
146831	2325841	16.11	PINE	14
146875	2325752	13.63	PINE	14
146837	2325750	14.17	PINE	14
146626	2325778	14.47	PINE	14
146610	2325839	15.95	PINE	14
146620	2325815	15.02	PINE	14
146615	2325756	15.41	PINE	14
146512	2325855	15.75	PINE	14

Northing	Easting	Elevation	Description	DBH
146522	2325918	14.00	PINE	14
146470	2325690	21.93	PINE	14
146511	2325749	19.57	PINE	14
146528	2325753	19.05	PINE	14
146581	2325665	19.34	PINE	14
146610	2325712	16.74	PINE	14
146720	2325654	12.69	PINE	14
146889	2325619	12.18	PINE	14
146811	2325570	12.01	PINE	14
146737	2325548	12.19	PINE	14
146683	2325457	13.49	PINE	14
146688	2325563	13.84	PINE	14
146472	2325609	20.59	PINE	14
146579	2325489	15.44	PINE	14
146527	2325514	15.13	PINE	14
146445	2325456	15.07	PINE	14
147007	2325998	18.11	PINE	14
147162	2325963	15.64	PINE	14
147190	2325938	15.03	PINE	14
146926	2325843	13.31	PINE	14
146982	2325876	14.62	PINE	14
146989	2325856	13.29	PINE	14
147011	2325862	13.05	PINE	14
147041	2325874	12.88	PINE	14
147048	2325869	12.91	PINE	14
147051	2325758	10.16	PINE	14
147594	2325704	12.05	PINE	14
147606	2325747	12.78	PINE	14
147542	2325757	12.71	PINE	14
147549	2325776	13.44	PINE	14
147513	2325823	13.76	PINE	14
147500	2325912	13.10	PINE	14
147521	2325906	12.76	PINE	14
147420	2325921	13.45	PINE	14
147401	2325896	12.05	PINE	14
147325	2325906	11.85	PINE	14
147290	2325916	13.49	PINE	14
147282	2325945	15.01	PINE	14
147019	2325621	9.69	PINE	14
147016	2325470	9.65	PINE	14
147013	2325470	9.94	PINE	14
146987	2325439	10.52	PINE	14
147202	2325154	8.85	PINE	14
147062	2325533	9.24	PINE	14
146749	2325459	13.20	PINE	14
146693	2325431	13.68	PINE	14
146622	2325399	14.91	PINE	14
146753	2325291	13.50	PINE	14
146818	2325305	13.01	PINE	14
146877	2325484	11.80	PINE	14
146925	2325520	10.90	PINE	14
146894	2325369	11.71	PINE	14
146864	2325269	12.63	PINE	14
146832	2325245	12.98	PINE	14

Northing	Easting	Elevation	Description	DBH
146600	2325365	15.72	PINE	14
146550	2325323	15.96	PINE	14
146616	2325295	14.87	PINE	14
146569	2325217	14.99	PINE	14
146577	2325256	14.53	PINE	14
146665	2325222	14.23	PINE	14
146671	2325225	13.90	PINE	14
146797	2325266	13.15	PINE	14
146773	2325239	13.58	PINE	14
146608	2325160	14.58	PINE	14
146625	2325132	14.40	PINE	14
146745	2324670	15.26	PINE	14
146762	2324650	15.17	PINE	14
146807	2324649	15.04	PINE	14
146779	2324610	15.39	PINE	14
146737	2324800	11.83	PINE	14
146763	2324690	14.62	PINE	14
146801	2324734	12.38	PINE	14
146808	2324733	12.45	PINE	14
146788	2324770	11.97	PINE	14
146808	2324761	11.76	PINE	14
146816	2324707	13.22	PINE	14
146907	2324789	11.88	PINE	14
146872	2324865	13.04	PINE	14
146679	2325034	12.85	PINE	14
146745	2325148	13.83	PINE	14
146801	2325037	13.40	PINE	14
146818	2325053	12.96	PINE	14
146925	2325247	11.53	PINE	14
146877	2325204	12.56	PINE	14
146935	2325225	11.35	PINE	14
147027	2324626	13.47	PINE	14
147138	2324643	13.04	PINE	14
147107	2324743	14.26	PINE	14
147103	2324798	13.13	PINE	14
147053	2324749	14.71	PINE	14
147457	2325141	12.83	PINE	14
147432	2325140	12.40	PINE	14
147338	2325125	12.89	PINE	14
147286	2325111	12.41	PINE	14
147286	2324925	14.49	PINE	14
147284	2324999	14.05	PINE	14
147321	2324933	14.00	PINE	14
147353	2324989	13.76	PINE	14
147497	2325055	14.65	PINE	14
147567	2325017	12.87	PINE	14
147622	2324887	14.05	PINE	14
147714	2324697	16.61	PINE	14
147680	2324744	16.03	PINE	14
147619	2324866	14.54	PINE	14
147574	2324889	16.30	PINE	14
147625	2324759	16.33	PINE	14
147483	2324842	16.69	PINE	14
147398	2324833	13.43	PINE	14

Northing	Easting	Elevation	Description	DBH
147407	2324860	13.63	PINE	14
147375	2324923	12.84	PINE	14
147276	2324858	13.51	PINE	14
147301	2324799	12.11	PINE	14
147263	2324809	11.81	PINE	14
147344	2324677	20.30	PINE	14
147295	2324614	22.79	PINE	14
146846	2324612	15.32	PINE	14
146905	2324646	13.50	PINE	14
146962	2324536	15.16	PINE	14
146951	2324570	13.95	PINE	14
146871	2324510	17.34	PINE	14
146077	2325798	19.76	PINE	14
146085	2325811	20.69	PINE	14
146502	2325965	11.48	PINE	15
146904	2325861	14.78	PINE	15
146866	2325839	14.83	PINE	15
146791	2325853	17.08	PINE	15
146894	2325749	13.18	PINE	15
146867	2325784	13.10	PINE	15
146837	2325815	14.91	PINE	15
146787	2325738	14.59	PINE	15
146723	2325756	14.16	PINE	15
146717	2325855	15.88	PINE	15
146503	2325907	13.66	PINE	15
146736	2325638	12.87	PINE	15
146811	2325662	12.76	PINE	15
146846	2325603	12.41	PINE	15
146710	2325538	12.72	PINE	15
146942	2326011	17.65	PINE	15
146927	2325812	12.28	PINE	15
147576	2325719	12.62	PINE	15
147529	2325797	13.46	PINE	15
147554	2325844	14.36	PINE	15
147455	2325873	13.06	PINE	15
147062	2325524	9.26	PINE	15
146873	2325323	12.05	PINE	15
146549	2325418	14.28	PINE	15
146570	2325367	15.72	PINE	15
146561	2325238	14.99	PINE	15
146658	2325230	14.05	PINE	15
146752	2325261	13.23	PINE	15
146850	2324906	13.67	PINE	15
146647	2325095	13.91	PINE	15
146984	2324987	11.43	PINE	15
146947	2324663	12.59	PINE	15
146923	2324770	12.51	PINE	15
147101	2324853	12.35	PINE	15
147396	2325126	12.55	PINE	15
147481	2325125	13.12	PINE	15
147515	2324973	13.52	PINE	15
147615	2324975	11.63	PINE	15
147609	2324945	13.06	PINE	15
147653	2324798	13.22	PINE	15

Northing	Easting	Elevation	Description	DBH
147527	2324934	14.64	PINE	15
147661	2324661	21.00	PINE	15
147497	2324870	15.90	PINE	15
147265	2324766	11.36	PINE	15
146862	2324523	16.72	PINE	15
146639	2326029	13.25	PINE	16
146582	2325990	12.36	PINE	16
146577	2325932	15.31	PINE	16
146724	2325816	16.08	PINE	16
146529	2325828	16.71	PINE	16
146521	2325813	16.92	PINE	16
146536	2325855	16.54	PINE	16
146617	2325704	16.47	PINE	16
146635	2325714	15.24	PINE	16
146743	2325679	12.82	PINE	16
146440	2325523	17.29	PINE	16
146944	2325869	14.68	PINE	16
147034	2325796	10.14	PINE	16
147462	2325900	13.71	PINE	16
147013	2325417	10.12	PINE	16
146803	2325336	13.15	PINE	16
146764	2325257	13.83	PINE	16
146627	2325178	14.38	PINE	16
146821	2324678	14.04	PINE	16
147267	2324914	14.15	PINE	16
147485	2325022	14.13	PINE	16
147620	2324848	14.74	PINE	16
147199	2324800	13.18	PINE	16
146577	2325965	13.51	PINE	17
146538	2325787	17.73	PINE	17
146723	2325683	12.77	PINE	17
146759	2325634	12.46	PINE	17
146858	2325669	12.43	PINE	17
146788	2325596	11.95	PINE	17
146668	2325362	14.89	PINE	17
146853	2324549	15.90	PINE	17
146745	2325976	17.75	PINE	18
146732	2325920	16.97	PINE	18
146874	2325810	13.46	PINE	18
146769	2325751	14.79	PINE	18
146780	2325704	13.72	PINE	18
146890	2325316	11.60	PINE	18
147529	2325027	13.87	PINE	18
147598	2324950	13.53	PINE	18
147341	2324896	14.41	PINE	18
147457	2324948	13.17	PINE	19
146545	2325995	11.14	PINE	20
146493	2325546	16.91	PINE	20
146524	2325465	13.33	PINE	20
146925	2325936	17.84	PINE	20
147587	2325001	12.18	PINE	20
147226	2325932	15.40	PINE	22
146195	2325834	27.09	PINE	24
147131	2324540	17.70	PINE	24

Northing	Easting	Elevation	Description	DBH
147423	2325898	12.67	PINE	26
147076	2325691	10.06	PINE	26
146726	2325716	12.97	PINE	28
146945	2325623	10.78	PINE	30





# NEW HANOVER COUNTY

Engineering Department  
230 Government Center Drive · Suite 160  
Wilmington, North Carolina 28403  
TELEPHONE (910)-798-7139  
Fax (910) 798-7051

Beth E. Wetherill, C.P.E.S.C.  
Soil Erosion Specialist

September 26, 2016

NNP IV-Cape Fear River, LLC  
13777 Ballantyne Corporate Place, Suite 250,  
Charlotte, North Carolina 28277

**RE: Grading Permit #38-16, Revision #2, River Lights AQ-2 & 3**

Dear Mr. William Mumford:

This office has reviewed the revised subject sedimentation and erosion control plan. We find the plan to be acceptable.

**Please read the permit conditions carefully and return the signed blue original to our office and keep the copy for your records.**

**The land disturbing fee of \$33,450 is due to be paid to New Hanover County, to my attention, prior to plat recordation.**

**A preconstruction meeting is required** prior to any land disturbing activity on site. Please contact us at (910) 798-7139 to set this up with us.

Please be advised that a copy of the approved soil erosion plan, a copy of the grading permit, a rain gauge and the Combined Inspection Reports must be available at all times at the site.

New Hanover County's Erosion and Sedimentation Control Program is performance oriented requiring protection of the natural resources and adjoining properties. If following the commencement of the project, it is determined that the plan is inadequate to meet the requirements of the New Hanover County's Erosion and Sedimentation Control Ordinance, this office may require revisions in the plan and its implementation to insure compliance with the ordinance.

This permit will not preclude any other permits or approvals necessary for beginning or completing this development. It is the owner's responsibility to have all the approvals or permits that are required prior to beginning construction. Approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State Water Quality laws, regulations and rules.

Respectfully yours,

*Beth Easley Wetherill*

Beth Easley Wetherill  
NHC Soil Erosion Specialist

cc: Kathryn Espinoza PE, Mckim & Creed  
Livian Jones Asst. VP, NNP IV-Cape Fear River, LLC



## Permit for a Land Disturbing Activity

New Hanover County  
 Department of Engineering  
 230 Government Center Drive - Suite 160  
 Wilmington, North Carolina 28403  
 (910) 798-7139

### As authorized by the New Hanover County Erosion and Sedimentation Control Ordinance

This permit issued to **NNP IV-Cape Fear River, LLC** authorizes the development of **65.97 acres** of land at **4410 River Road for River Lights AQ 2 & 3** in New Hanover County. This permit issued on **September 26, 2016** is subject to compliance with the application and site drawings, all applicable regulations and special conditions and notes set forth below. **Any plan modifications must be approved by this office prior to field changes.**

It is understood by the applicant that a representative of New Hanover County's Engineering Department may inspect the site at any time following the issuance of this Permit. A copy of the approved Soil Erosion Control Plan, this permit, a rain gauge and copies of the Combined Self-Monitoring and Self Inspection Reports must be available at all times at the site.

Failure to execute the provisions of this permit and the approved Soil Erosion Plan, or any other provisions of the New Hanover County Soil Erosion and Sedimentation Control Ordinance, shall result in immediate legal action by the County to the limits prescribed by the Ordinance. If the measures outlined on the approved Soil Erosion Control Plan and this Permit prove insufficient, additional Erosion Control measures can and will be required which in turn will be considered provisions of this Permit. This Permit does not preclude any other permits or approvals necessary for beginning or completing this development. Approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State laws, regulations and rules. It is the Permittee's responsibility to obtain all necessary permits and approvals.

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### SPECIAL CONDITIONS

#### **(THESE CONDITIONS MUST BE FOLLOWED IN ADDITION TO THE PLANS AND SPECIFICATIONS)**

\*All the soil erosion control measures will be installed as the site is cleared and maintained throughout construction. This project has 2 phases of construction. Phase I includes 2 construction entrances, silt fences, double rows of silt fences, a lined 2:1 sloped diversion swale with a minimum 2 foot bottom and 4 check dams, and immediate construction and stabilization of sediment basin #1 with a 1.5 inch Faircloth skimmer with a 1.4 inch orifice thru an earthen dam with 3 coir baffles. Phase II includes immediate installation and stabilization of 3 sediment basins with Faircloth skimmers and 3 coir baffles and inlet and outlet protection. The skimmer in sediment basin #1 will be a 4 inch Faircloth skimmer with a 3.8 inch orifice, sediment basin #2 will have a 5 inch Faircloth skimmer with a 4.5 inch orifice and sediment basin #3 will have a 2 inch Faircloth skimmer with a 1.7 inch orifice.

\*Tree Removal Permits must be acquired from the City of Wilmington and/or New Hanover County prior to issuance of this permit and clearing the site.

\*Silt fence stakes must be steel and will be placed **six feet apart without wire reinforcement** or **eight feet apart with wire reinforcement**. Silt fence is not allowed as inlet protection.

\*This permit does not preclude any permits or approvals which may be necessary such as City of Wilmington or New Hanover County Stormwater, NCDENR Water Quality, C.A.M.A., the US Army Corps. of Engineers, DEM Solid Waste or any other agencies.

\*No sediment shall leave the site.

(Continued) - Page Two

- \*If plan revisions are necessary you must submit a copy to this office for approval **prior** to any field changes.
  - \*If soil is removed from the site, it must be taken to an approved or permitted site to be identified to this office **prior** to removal from the site.
  - \*All City and/or County and State drainage and stormwater requirements will be adhered to.
  - \*If these measures fail to adequately control erosion, more restrictive measures will be required.
  - \*If any phase of grading ceases for more than 15 working days, the site will be temporarily stabilized.
  - \*All slopes must be stabilized within 21 calendar days of any phase of activity.
- The approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State Water Quality laws, regulations and rules.
- \*Note the required rates for seed, lime, fertilizer and mulch in your seeding specifications.
  - \*Note the NPDES information from the State for sites disturbing 1 acre or more and the reporting requirements. All **NEW** projects permitted after August 3, 2011 **must include** the following surface water withdrawal locations and stabilization requirement designations on the plan in order to qualify for coverage under the most recent NPDES Construction General Permit. All settling basins must have outlet structures that withdraw water from the surface, with the exception of basins or traps that have a drainage area of less than 1 acre. The NPDES permit requires ground cover within 14 calendar days on disturbed flat areas and ground cover within 7 calendar days on all areas within HQW Zones, perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3:1. Exceptions include slopes that are 10 feet or less in length and not steeper than 2:1 which must be stabilized within 14 calendar days and slopes greater than 50 feet which must be stabilized within 7 calendar days. This permit also includes other new requirements which are listed in the text of the NPDES Stormwater Discharge Permit for Construction Activities. Inspections of all erosion control measures and reports are required every 7 days and within 24 hours of every 1/2 inch rain event in a 24 hour period.
  - \*Note the Land Resources Self Inspection Program Requirements. This program is separate from the NPDES reporting and requires inspection and documentation after each phase of construction. These phases include: Installation of perimeter erosion control measures, Clearing and Grubbing of existing ground cover, Completion of any phase of grading of slopes or fills, Installation of storm drainage facilities, Completion of construction or development, Establishment of permanent ground cover sufficient to restrain erosion and any Deviation from the approved plan.
- Enclosed is a Combined Self-Monitoring and Self-Inspection Form that meets the requirements of both the NPDES Stormwater Permit for Construction Activities, NCG 010000 reporting and the Land Resources Self Inspection Program that satisfies the requirements of the Sedimentation Pollution Control Act.
- This report is the responsibility of the property owner. It requires a rain gauge onsite and inspections and reporting every 7 calendar days and within 24 hours of every 1/2 inch rain per 24 hour period and at specific phases of construction. Additional copies of this Combined Construction Inspection Report can be found at <http://portal.ncdenr.org/web/lr/erosion> . Reports must be available onsite at all times. If you have questions please contact New Hanover County Engineering (910) 798-7139 or the Land Quality Section at the NCDENR Regional office at (910) 796-7215.
- \*A pre-construction meeting is required prior to any activity on site. Please contact Beth E. Wetherill at (910) 798-7139 to set up this meeting.

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This Permit will expire one year from date of issue if no construction activity begins on site. This permit may not be amended or transferred to another party without approval of this office.

Acknowledgment of receipt of Permit

\_\_\_\_\_  
Owner

*Beth Easley Wetherill*

\_\_\_\_\_  
Beth E. Wetherill, C.P.E.S.C.  
Soil Erosion Specialist/New Hanover County

\_\_\_\_\_  
By (please print)

\_\_\_\_\_  
Signature