



**Planning, Development, &
Transportation Department**

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

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

July 25, 2019

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

RE: Riverlights Age-Qualified Ph IV & V Revision 2 located at 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 blue ink, appearing to read 'Brian Chambers'.

Brian Chambers, AICP
Senior Planner



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TRANSMITTAL LETTER

TO: John Barham, Zoning Inspector
 DATE: July 25, 2019
 SUBJECT: **Riverlights Age-Qualified Ph IV & V Revision 2** Project # 2017087
 LOCATION: 4410 River Road (Riverlights Project)

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

QUAN.	DWG./NO.	DESCRIPTION
1	Dated 7/19/19	Riverlights Age-Qualified Phase IV & V Approved Plans (revised sheets only)
1	Dated 2/6/18	City Tree Removal Permit TPP-18-76
1	Dated 12/19/18	NHC Erosion Control #GP 58-17 R2
1	Dated 10/20/15	Wetland Determination SAW-2007-02319
1	Dated 6/3/19	City Stormwater Discharge Permit No. 2019013R1 (under separate cover)

REMARKS: **Riverlights Age-Qualified Phase IV & V Revision 2** 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 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.
- E. A COPY OF THE RECORDED MAP SHOWING REQUIRED PUBLIC DRAINAGE EASEMENTS, PUBLIC ACCESS EASEMENTS, AND RIGHTS-OF-WAY FOR THE PROJECT MUST BE SUBMITTED PRIOR TO ISSUANCE OF THE FINAL ZONING APPROVAL.
- F. THIS DEVELOPMENT SHALL COMPLY WITH ALL LOCAL, CITY TECHNICAL STANDARDS, REGIONAL, STATE AND FEDERAL DEVELOPMENT REGULATIONS.
- G. ALL APPLICABLE TRC REQUIREMENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF THE FINAL ZONING APPROVAL.
- H. THIS PROJECT WILL REQUIRE THE CREATION/RECORDATION OF RESTRICTIVE COVENANTS TO ENSURE COMPLIANCE WITH THE APPROVED STORMWATER PERMIT. RESTRICTIVE COVENANTS AND HOA/POA DOCUMENTS MUST BE REVIEWED AND APPROVED BY THE CITY ATTORNEY'S OFFICE, PLANNING DIVISION, AND CITY ENGINEERING PRIOR TO RECORDING A FINAL PLAT.
- I. PER THE REQUIREMENTS OF THE STORMWATER PERMIT, THE FOLLOWING SHALL OCCUR PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR OPERATION OF THE PERMITTED FACILITY:
- AS-BUILT DRAWINGS FOR ALL STORMWATER MANAGEMENT FACILITIES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON ENGINEERING DIVISION.
 - AN ENGINEER'S CERTIFICATION SHALL ALSO BE SUBMITTED, ALONG WITH ALL SUPPORTING DOCUMENTATION THAT SPECIFIES, UNDER SEAL THAT THE AS-BUILT STORMWATER MEASURES, CONTROLS AND DEVICES ARE IN COMPLIANCE WITH THE APPROVED STORMWATER MANAGEMENT PLANS.
 - A FINAL INSPECTION IS REQUIRED BY CITY OF WILMINGTON ENGINEERING PERSONNEL (910) 341-5856.
- J. 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.
- K. 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.
- L. 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.
- M. 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.

N. 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.

O. 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	Applicant (e-mail only)
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)
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)

Wilmington Landscaping Ordinance
RiverLights Age Qualified Phases 4 and 5

Minimum number of Trees to be on Post Development Site	
15 Trees/Acre * 54.62 Project Area	
Equals = 820 Trees	

Protected Trees to be Removed			
1118 Pines	2 Gum/Maple	0 Mimosa	
197 Oaks	0 Cherry	0 Poplar	
0 Crape Myrtle	0 Magnolia	0 Amer. Holly	
Total = 1317 Trees			
Type	Regulated	Significant	
Conifers	1118	0	
Hardwoods	204	0	
Flowering Trees	0	2	
Total Removed =		1324	

Regulated Trees for Mitigation			
Pines	(20,182 DBH * 100%)	/ 3 =	6,727 Trees
Oaks	(2,427 DBH * 50%)	/ 3 =	405 Trees
Gum/Maple	(0 DBH * 50%)	/ 3 =	0 Trees
Cherry	(0 DBH * 0%)	/ 3 =	0 Trees
Crate Myrtle	(0 DBH * 0%)	/ 3 =	0 Trees
Magnolia	(0 DBH * 0%)	/ 3 =	0 Trees
Mimosa	(0 DBH * 0%)	/ 3 =	0 Trees
Poplar	(0 DBH * 0%)	/ 3 =	0 Trees
Amer. Holly	(0 DBH * 100%)	/ 3 =	0 Trees

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

TOTAL MITIGATION REQUIRED =	7,132 Trees
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RECEIVED
JAN 25 2018
PLANNING DIVISION

AGE QUALIFIED PHASE 4

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
148793	2325715	21.79	OAK	8
149443	2323050	17.20	OAK	8
149434	2323115	18.17	OAK	8
149309	2323289	11.32	OAK	8
149303	2323289	10.97	OAK	8
149416	2323688	21.95	OAK	8
149610	2323677	31.52	OAK	8
149441	2323950	28.23	OAK	8
149823	2323849	29.91	OAK	8
149838	2323871	30.13	OAK	8
149811	2323990	27.64	OAK	8
149886	2323999	28.82	OAK	8
149466	2324035	25.41	OAK	8
149476	2324005	25.85	OAK	8
149451	2323956	28.03	OAK	8
149413	2324030	26.19	OAK	8
149412	2324046	25.32	OAK	8
149791	2324513	27.53	OAK	8
149945	2324434	19.67	OAK	8
149965	2324543	26.47	OAK	8
150002	2324678	25.97	OAK	8
149954	2324573	28.04	OAK	8
149928	2324666	24.38	OAK	8
149903	2324799	15.06	OAK	8
149724	2324708	19.28	OAK	8
149712	2324761	16.60	OAK	8
149504	2324749	30.54	OAK	8
149524	2324895	16.24	OAK	8
149739	2325049	13.09	OAK	8
149746	2325072	13.55	OAK	8
149647	2325102	23.87	OAK	8
149659	2325098	23.02	OAK	8
149658	2325080	22.72	OAK	8
149221	2324142	15.31	OAK	8
149279	2324232	21.93	OAK	8
149247	2324245	22.11	OAK	8
149444	2324440	24.60	OAK	8
149459	2324438	24.40	OAK	8
149273	2324529	-64.35	OAK	8
149244	2324587	34.52	OAK	8
149350	2324564	31.66	OAK	8
149446	2324706	35.48	OAK	8
149484	2324736	32.53	OAK	8
149536	2324709	36.83	OAK	8
149497	2324593	40.55	OAK	8
149489	2324650	41.93	OAK	8
149097	2324355	15.08	OAK	8
149244	2324478	25.86	OAK	8
149027	2324469	18.39	OAK	8
149027	2324475	18.64	OAK	8
149098	2324519	26.09	OAK	8
149175	2324650	36.20	OAK	8
149151	2324666	35.16	OAK	8
149118	2324704	31.05	OAK	8
149119	2324705	31.08	OAK	8

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
148924	2324515	11.90	OAK	9
149256	2324412	23.75	OAK	9
149197	2324694	33.41	OAK	9
149238	2324757	21.94	OAK	9
149248	2324782	18.21	OAK	9
149439	2325123	25.01	OAK	9
149338	2325158	22.73	OAK	9
149292	2325143	22.24	OAK	9
149459	2325453	21.38	OAK	9
149157	2325374	22.51	OAK	9
148983	2324662	27.17	OAK	9
148878	2324747	20.39	OAK	9
148677	2325585	14.39	OAK	9
148688	2325668	16.69	OAK	9
148696	2324833	14.31	OAK	9
148731	2324810	17.23	OAK	9
148596	2324732	13.54	OAK	9
148112	2325847	12.05	OAK	10
149393	2323116	18.33	OAK	10
149447	2323050	16.93	OAK	10
149327	2323823	15.05	OAK	10
149307	2323821	13.49	OAK	10
149397	2324053	23.76	OAK	10
149670	2325098	21.80	OAK	10
149013	2324359	11.31	OAK	10
149249	2325157	21.89	OAK	10
149282	2323352	11.68	OAK	11
149918	2324809	14.71	OAK	11
149875	2324785	15.29	OAK	11
149262	2325576	20.12	OAK	12
149721	2323774	29.04	OAK	23
148965	2324537	16.09	OAK	10
148834	2325687	22.29	PINE	12
148868	2325678	21.56	PINE	12
148877	2325685	21.31	PINE	12
148902	2325723	21.01	PINE	12
149051	2325719	19.24	PINE	12
149091	2325680	18.90	PINE	12
149088	2325680	19.07	PINE	12
149075	2325687	19.20	PINE	12
149053	2325698	19.74	PINE	12
149110	2325534	18.55	PINE	12
149116	2325553	17.76	PINE	12
149125	2325560	17.89	PINE	12
149093	2325615	16.79	PINE	12
149102	2325623	16.98	PINE	12
149101	2325648	18.05	PINE	12
149093	2325634	17.66	PINE	12
149091	2325643	18.26	PINE	12
149094	2325664	18.60	PINE	12
149082	2325654	18.85	PINE	12
148993	2325698	19.45	PINE	12
148973	2325699	19.09	PINE	12
148943	2325623	19.86	PINE	12
148961	2325596	20.80	PINE	12
148952	2325569	21.36	PINE	12
148974	2325553	21.74	PINE	12

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
148894	2325549	20.98	PINE	12
148910	2325574	20.94	PINE	12
148895	2325533	20.78	PINE	12
149184	2325572	18.25	PINE	12
149192	2325572	18.59	PINE	12
149235	2325543	21.00	PINE	12
149246	2325541	21.30	PINE	12
149251	2325551	21.05	PINE	12
149235	2325585	19.00	PINE	12
149229	2325586	18.91	PINE	12
149273	2325605	18.63	PINE	12
149263	2325594	18.94	PINE	12
149268	2325587	19.73	PINE	12
149271	2325585	19.98	PINE	12
149313	2325553	20.56	PINE	12
149228	2325524	21.54	PINE	12
149220	2325534	20.72	PINE	12
149204	2325526	21.75	PINE	12
149202	2325516	22.04	PINE	12
149195	2325524	21.35	PINE	12
149194	2325516	21.20	PINE	12
149167	2325518	21.15	PINE	12
149153	2325527	20.20	PINE	12
149141	2325530	19.78	PINE	12
149132	2325535	19.26	PINE	12
149140	2325548	18.68	PINE	12
149135	2325555	18.24	PINE	12
149176	2325548	19.49	PINE	12
149191	2325552	19.48	PINE	12
149200	2325545	20.24	PINE	12
149182	2325536	20.25	PINE	12
149176	2325528	20.35	PINE	12
149216	2325542	20.31	PINE	12
149248	2325508	21.70	PINE	12
149246	2325493	22.43	PINE	12
149228	2325504	22.36	PINE	12
149211	2325500	22.45	PINE	12
149203	2325496	22.49	PINE	12
149209	2325492	22.31	PINE	12
149216	2325473	22.14	PINE	12
149227	2325476	22.13	PINE	12
149232	2325467	22.20	PINE	12
149254	2325481	22.27	PINE	12
149270	2325476	22.12	PINE	12
149190	2325459	22.09	PINE	12
149162	2325485	21.61	PINE	12
149154	2325495	21.26	PINE	12
149130	2325513	19.91	PINE	12
149130	2325516	20.14	PINE	12
149128	2325516	19.96	PINE	12
149105	2325522	18.79	PINE	12
149108	2325516	18.97	PINE	12
149096	2325475	18.66	PINE	12
149120	2325462	19.93	PINE	12
149126	2325446	20.57	PINE	12
149141	2325444	21.29	PINE	12
149138	2325467	20.92	PINE	12

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
149625	2324064	24.47	PINE	12
149604	2324077	23.29	PINE	12
149648	2324209	27.25	PINE	12
149537	2324100	21.20	PINE	12
149570	2324108	21.81	PINE	12
149905	2324122	25.43	PINE	12
149853	2324166	25.26	PINE	12
149846	2324167	25.25	PINE	12
149840	2324171	25.26	PINE	12
149870	2324177	25.02	PINE	12
149964	2324173	26.10	PINE	12
149963	2324198	25.78	PINE	12
149787	2324271	26.15	PINE	12
149882	2324255	24.79	PINE	12
149887	2324246	24.66	PINE	12
149844	2324334	24.18	PINE	12
149969	2324385	18.68	PINE	12
149977	2324371	19.92	PINE	12
150004	2324308	20.92	PINE	12
149997	2324292	22.08	PINE	12
150041	2324293	18.44	PINE	12
149852	2324421	25.11	PINE	12
149832	2324400	26.37	PINE	12
149797	2324433	29.56	PINE	12
149776	2324328	26.79	PINE	12
149733	2324383	30.85	PINE	12
149681	2324373	32.58	PINE	12
149596	2324488	30.95	PINE	12
149733	2324434	31.74	PINE	12
149747	2324583	25.05	PINE	12
149693	2324532	30.02	PINE	12
149703	2324580	27.74	PINE	12
149983	2324520	25.29	PINE	12
149960	2324580	28.21	PINE	12
149927	2324727	21.89	PINE	12
149923	2324764	19.33	PINE	12
149752	2324660	23.03	PINE	12
149884	2324751	19.65	PINE	12
149841	2324776	15.16	PINE	12
149771	2324922	7.77	PINE	12
149638	2324743	26.23	PINE	12
149625	2324807	21.24	PINE	12
149371	2324845	13.47	PINE	12
149359	2324855	13.60	PINE	12
149363	2324871	13.53	PINE	12
149379	2324904	15.24	PINE	12
149405	2324904	15.82	PINE	12
149468	2324913	17.57	PINE	12
149582	2324914	17.95	PINE	12
149594	2324915	17.92	PINE	12
149592	2324934	19.38	PINE	12
149585	2324956	21.11	PINE	12
149548	2324962	22.69	PINE	12
149544	2324964	22.89	PINE	12
149528	2324965	22.87	PINE	12
149524	2324963	23.25	PINE	12
149510	2324932	20.28	PINE	12

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
149138	2324944	12.91	PINE	12
149218	2324833	15.98	PINE	12
149206	2324803	17.04	PINE	12
149196	2324810	16.22	PINE	12
149184	2324824	15.31	PINE	12
149147	2324837	13.73	PINE	12
149143	2324825	14.04	PINE	12
149059	2324854	11.61	PINE	12
149058	2324874	10.97	PINE	12
149132	2324877	12.87	PINE	12
149105	2324893	12.40	PINE	12
149104	2324939	12.07	PINE	12
149261	2325010	21.87	PINE	12
149500	2325021	26.32	PINE	12
149481	2325014	25.83	PINE	12
149481	2325005	25.54	PINE	12
149461	2325020	25.76	PINE	12
149464	2325027	25.97	PINE	12
149480	2325037	26.49	PINE	12
149437	2325050	25.94	PINE	12
149432	2325081	25.70	PINE	12
149404	2325093	25.58	PINE	12
149352	2325007	23.57	PINE	12
149273	2325021	22.23	PINE	12
149300	2325038	23.19	PINE	12
149313	2325049	23.43	PINE	12
149204	2325080	19.07	PINE	12
149278	2325119	21.92	PINE	12
149335	2325104	24.31	PINE	12
149326	2325134	23.44	PINE	12
149396	2325109	25.13	PINE	12
149447	2325171	24.25	PINE	12
149317	2325199	21.73	PINE	12
149302	2325189	21.83	PINE	12
149300	2325180	21.99	PINE	12
149255	2325166	22.11	PINE	12
149207	2325189	22.25	PINE	12
149237	2325196	22.49	PINE	12
149328	2325409	21.75	PINE	12
149176	2325186	22.35	PINE	12
149302	2325391	21.99	PINE	12
149376	2325249	21.98	PINE	12
149302	2325216	21.57	PINE	12
149284	2325235	22.17	PINE	12
149276	2325274	22.36	PINE	12
149268	2325268	22.69	PINE	12
149262	2325246	22.75	PINE	12
149159	2325207	21.82	PINE	12
149140	2325283	22.12	PINE	12
149100	2325255	18.97	PINE	12
149074	2325260	16.94	PINE	12
149101	2325303	19.26	PINE	12
149088	2325288	18.06	PINE	12
149103	2325342	19.20	PINE	12
149153	2325357	22.46	PINE	12
149157	2325353	22.46	PINE	12
149110	2325419	19.72	PINE	12

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
148861	2325459	18.79	PINE	12
148851	2325466	19.05	PINE	12
148764	2325620	20.02	PINE	12
148736	2325649	19.20	PINE	12
148692	2325679	17.18	PINE	12
148674	2325665	15.92	PINE	12
148634	2325717	16.63	PINE	12
148559	2325714	14.89	PINE	12
148586	2325709	14.80	PINE	12
148601	2325704	15.16	PINE	12
148583	2325672	12.87	PINE	12
148617	2325659	12.93	PINE	12
148638	2325641	13.27	PINE	12
149081	2323049	6.37	PINE	12
149090	2323032	6.62	PINE	12
148727	2324890	9.21	PINE	12
148711	2324828	15.24	PINE	12
148659	2324857	10.72	PINE	12
148656	2324871	9.60	PINE	12
148541	2324859	9.07	PINE	12
148539	2324872	9.07	PINE	12
148598	2324824	11.49	PINE	12
148542	2324792	9.90	PINE	12
148577	2324774	12.41	PINE	12
148586	2324778	13.12	PINE	12
148590	2324805	12.09	PINE	12
148606	2324807	12.93	PINE	12
148639	2324823	13.47	PINE	12
148622	2324756	15.85	PINE	12
148601	2324731	13.95	PINE	12
148589	2324741	13.39	PINE	12
148584	2324738	13.13	PINE	12
148552	2324723	10.16	PINE	12
148585	2324698	11.14	PINE	12
148753	2324693	16.80	PINE	12
148255	2325666	13.00	PINE	12
148208	2325654	14.88	PINE	12
148192	2325625	15.12	PINE	12
148212	2325558	12.64	PINE	12
148205	2325582	13.75	PINE	12
148241	2325643	13.46	PINE	12
148248	2325636	12.94	PINE	12
148241	2325628	13.23	PINE	12
148261	2325635	12.11	PINE	12
148256	2325653	12.65	PINE	12
148270	2325663	12.55	PINE	12
148252	2325601	12.21	PINE	12
148263	2325591	11.63	PINE	12
148230	2325591	13.10	PINE	12
148231	2325587	13.12	PINE	12
148242	2325567	11.97	PINE	12
148247	2325575	11.74	PINE	12
148258	2325573	11.23	PINE	12
148261	2325565	10.88	PINE	12
148268	2325564	10.69	PINE	12
148273	2325577	10.69	PINE	12
148271	2325574	10.64	PINE	12

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
149802	2324502	27.53	PINE	13
149854	2324421	-66.98	PINE	13
149684	2324602	27.88	PINE	13
149659	2324398	31.61	PINE	13
149960	2324698	23.92	PINE	13
149679	2324775	19.68	PINE	13
149619	2324786	23.81	PINE	13
149617	2324816	21.18	PINE	13
149344	2324847	14.45	PINE	13
149337	2324868	14.73	PINE	13
149348	2324869	13.98	PINE	13
149583	2324905	17.46	PINE	13
149595	2324942	19.40	PINE	13
149574	2324913	18.02	PINE	13
149373	2324989	21.98	PINE	13
149497	2324964	22.94	PINE	13
149546	2324997	25.03	PINE	13
149570	2324983	23.29	PINE	13
149656	2324823	18.02	PINE	13
149699	2324961	13.54	PINE	13
149674	2324959	15.03	PINE	13
149636	2325022	22.05	PINE	13
149666	2325032	20.31	PINE	13
149675	2325047	20.55	PINE	13
149713	2325040	16.66	PINE	13
149702	2325125	-74.11	PINE	13
149656	2325101	23.35	PINE	13
149626	2325207	24.76	PINE	13
149627	2325133	25.50	PINE	13
149604	2325090	26.22	PINE	13
149547	2325328	23.28	PINE	13
149522	2325288	23.66	PINE	13
149465	2325328	23.75	PINE	13
149476	2325314	23.65	PINE	13
149500	2325296	23.81	PINE	13
149532	2325363	22.77	PINE	13
149543	2325367	22.64	PINE	13
149555	2325355	22.73	PINE	13
149445	2325386	22.52	PINE	13
149228	2323989	10.71	PINE	13
149219	2324156	15.94	PINE	13
149269	2324059	15.31	PINE	13
149243	2324010	12.48	PINE	13
149251	2324034	14.01	PINE	13
149263	2324028	15.51	PINE	13
149312	2324154	19.58	PINE	13
149313	2324176	19.53	PINE	13
149297	2324186	20.57	PINE	13
149271	2324236	22.25	PINE	13
149279	2324409	25.18	PINE	13
149507	2324723	35.03	PINE	13
149129	2324630	35.04	PINE	13
149303	2324730	24.51	PINE	13
149153	2324959	13.95	PINE	13
149158	2324981	14.26	PINE	13
149210	2324800	17.28	PINE	13
149169	2324855	14.14	PINE	13

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
148785	2325404	12.71	PINE	13
148847	2325408	16.06	PINE	13
148778	2325552	19.26	PINE	13
148732	2325656	19.31	PINE	13
148703	2325583	15.76	PINE	13
148533	2325685	12.19	PINE	13
148575	2325719	15.54	PINE	13
148556	2325681	12.69	PINE	13
148606	2325682	14.17	PINE	13
148595	2325643	11.60	PINE	13
148639	2325643	13.41	PINE	13
148737	2324895	8.84	PINE	13
148651	2324853	10.84	PINE	13
148607	2324863	9.62	PINE	13
148531	2324803	9.12	PINE	13
148536	2324797	9.51	PINE	13
148870	2325733	22.56	PINE	14
148825	2325730	22.88	PINE	14
148805	2325727	22.42	PINE	14
148886	2325690	21.02	PINE	14
149128	2325564	17.96	PINE	14
149100	2325643	17.89	PINE	14
149069	2325657	19.45	PINE	14
149034	2325697	19.73	PINE	14
148937	2325689	18.95	PINE	14
148924	2325668	19.41	PINE	14
148928	2325650	19.53	PINE	14
148957	2325604	20.75	PINE	14
149007	2325529	21.71	PINE	14
149088	2325549	17.54	PINE	14
149065	2325640	18.31	PINE	14
149045	2325615	18.87	PINE	14
149010	2325673	19.70	PINE	14
149045	2325663	19.60	PINE	14
149040	2325641	19.33	PINE	14
148901	2325654	20.14	PINE	14
148899	2325679	20.22	PINE	14
148900	2325522	20.76	PINE	14
148935	2325538	21.35	PINE	14
148943	2325538	21.70	PINE	14
149200	2325561	19.61	PINE	14
149282	2325577	20.22	PINE	14
149291	2325568	20.73	PINE	14
149277	2325559	21.09	PINE	14
149265	2325547	21.16	PINE	14
149298	2325547	21.02	PINE	14
149312	2325576	20.55	PINE	14
149163	2325523	20.67	PINE	14
149136	2325550	18.64	PINE	14
149152	2325561	18.43	PINE	14
149247	2325514	21.70	PINE	14
149195	2325457	22.25	PINE	14
149108	2325451	19.76	PINE	14
149294	2325448	22.14	PINE	14
149302	2325473	21.89	PINE	14
149282	2325611	18.07	PINE	14
148159	2325623	14.46	PINE	14

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
149431	2324973	22.63	PINE	14
149460	2324937	19.81	PINE	14
149467	2324967	22.54	PINE	14
149529	2324999	25.26	PINE	14
149550	2324978	23.75	PINE	14
149733	2324928	10.31	PINE	14
149629	2325019	22.42	PINE	14
149673	2325032	19.98	PINE	14
149716	2325095	18.19	PINE	14
149687	2325099	20.77	PINE	14
149615	2325086	25.66	PINE	14
149631	2325077	24.40	PINE	14
149618	2325212	25.16	PINE	14
149564	2325247	24.45	PINE	14
149606	2325236	24.60	PINE	14
149576	2325131	26.69	PINE	14
149589	2325138	26.94	PINE	14
149663	2325170	24.15	PINE	14
149582	2325325	22.96	PINE	14
149537	2325326	23.43	PINE	14
149559	2325299	23.40	PINE	14
149445	2325334	23.35	PINE	14
149505	2325339	23.43	PINE	14
149535	2325381	22.59	PINE	14
149502	2325405	22.09	PINE	14
149473	2325410	22.31	PINE	14
149428	2325394	21.95	PINE	14
149452	2325369	23.11	PINE	14
149182	2324037	8.62	PINE	14
149254	2324055	14.17	PINE	14
149317	2324116	19.77	PINE	14
149278	2324086	15.65	PINE	14
149269	2324204	21.01	PINE	14
149524	2324713	36.73	PINE	14
149470	2324648	41.52	PINE	14
148881	2324435	9.58	PINE	14
149222	2324522	29.59	PINE	14
149182	2324535	31.02	PINE	14
149257	2324726	26.79	PINE	14
149155	2324732	27.86	PINE	14
149277	2324785	17.66	PINE	14
149224	2324860	16.22	PINE	14
149211	2324842	15.72	PINE	14
149167	2324835	14.39	PINE	14
149136	2324813	15.03	PINE	14
149076	2324892	11.76	PINE	14
149080	2324870	12.15	PINE	14
149132	2324868	12.97	PINE	14
149472	2325015	25.57	PINE	14
149456	2325005	25.02	PINE	14
149333	2325079	24.36	PINE	14
149243	2325051	20.46	PINE	14
149225	2325055	18.98	PINE	14
149368	2325145	24.22	PINE	14
149456	2325082	26.13	PINE	14
149420	2325216	23.16	PINE	14
149381	2325215	22.30	PINE	14

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
148623	2325703	15.60	PINE	14
148559	2324722	10.63	PINE	14
148267	2325678	12.82	PINE	14
148164	2325528	12.03	PINE	14
148207	2325555	12.88	PINE	14
148211	2325593	13.77	PINE	14
148229	2325617	13.53	PINE	14
148243	2325604	13.02	PINE	14
148290	2325587	10.81	PINE	14
148316	2325604	10.24	PINE	14
148329	2325597	9.84	PINE	14
148293	2325634	10.72	PINE	14
148310	2325637	10.10	PINE	14
148303	2325643	10.84	PINE	14
148363	2325631	9.65	PINE	14
148412	2325640	9.80	PINE	14
148397	2325642	10.50	PINE	14
148315	2325682	9.56	PINE	14
148382	2325678	9.44	PINE	14
148392	2325683	9.90	PINE	14
148414	2325691	11.06	PINE	14
148351	2325690	9.33	PINE	14
148355	2325709	8.87	PINE	14
148347	2325723	9.37	PINE	14
148344	2325725	9.37	PINE	14
148399	2325716	11.25	PINE	14
149430	2323097	18.66	PINE	15
149516	2323619	23.59	PINE	15
149598	2323882	23.23	PINE	15
149539	2323870	22.33	PINE	15
149313	2323751	12.00	PINE	15
149308	2323778	12.09	PINE	15
149280	2323772	9.43	PINE	15
149353	2324041	21.85	PINE	15
149881	2324034	27.03	PINE	15
149882	2324059	25.85	PINE	15
149535	2324015	22.90	PINE	15
149517	2324030	23.34	PINE	15
149516	2324052	22.87	PINE	15
149597	2324032	22.17	PINE	15
149602	2324130	23.50	PINE	15
149551	2324129	21.28	PINE	15
149570	2324101	21.93	PINE	15
149955	2324167	26.16	PINE	15
149953	2324173	26.24	PINE	15
149908	2324240	24.27	PINE	15
149968	2324297	23.39	PINE	15
150020	2324289	20.29	PINE	15
149786	2324334	26.56	PINE	15
149761	2324426	31.39	PINE	15
149734	2324407	31.76	PINE	15
149632	2324830	19.14	PINE	15
149372	2324801	19.57	PINE	15
149394	2324903	15.46	PINE	15
149564	2324944	20.87	PINE	15
149737	2324977	11.28	PINE	15
149685	2324968	15.22	PINE	15

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
148790	2325410	13.50	PINE	15
148863	2325409	16.11	PINE	15
148832	2325443	17.91	PINE	15
148766	2325491	17.11	PINE	15
148848	2325445	18.16	PINE	15
148830	2325497	20.05	PINE	15
148770	2325584	19.56	PINE	15
148715	2325633	18.25	PINE	15
148723	2325557	16.87	PINE	15
148637	2325723	17.26	PINE	15
148516	2325668	10.88	PINE	15
149289	2323062	7.84	PINE	15
148539	2324811	9.38	PINE	15
148579	2324757	12.82	PINE	15
148187	2325559	13.31	PINE	15
148819	2325717	22.66	PINE	16
148932	2325635	20.07	PINE	16
149203	2325576	18.54	PINE	16
149248	2325464	22.35	PINE	16
148079	2325698	9.42	PINE	16
149736	2323704	26.29	PINE	16
149288	2323714	10.21	PINE	16
149818	2324009	27.24	PINE	16
149903	2324024	28.51	PINE	16
149972	2324284	23.62	PINE	16
149789	2324356	26.71	PINE	16
149907	2324789	16.41	PINE	16
149795	2324847	7.55	PINE	16
149673	2324810	17.90	PINE	16
149410	2324880	14.00	PINE	16
149554	2324942	21.09	PINE	16
149515	2324926	19.56	PINE	16
149721	2324949	11.83	PINE	16
149747	2324995	10.94	PINE	16
149733	2324966	11.21	PINE	16
149679	2324981	15.93	PINE	16
149595	2325248	24.61	PINE	16
149603	2325149	26.55	PINE	16
149593	2325307	23.11	PINE	16
149532	2325312	23.59	PINE	16
149175	2324127	10.15	PINE	16
149210	2324062	9.44	PINE	16
149269	2324187	20.02	PINE	16
149329	2324370	26.67	PINE	16
148870	2324586	13.17	PINE	16
149136	2324918	12.97	PINE	16
149286	2324976	22.10	PINE	16
149192	2325090	19.13	PINE	16
149231	2325104	21.06	PINE	16
148991	2325180	10.48	PINE	16
148879	2325325	11.92	PINE	16
148856	2325363	12.91	PINE	16
148839	2325399	15.01	PINE	16
148784	2325555	19.58	PINE	16
148710	2325677	17.81	PINE	16
148727	2325546	16.89	PINE	16
148682	2325579	14.75	PINE	16

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
149781	2324289	26.65	PINE	20
149941	2324234	24.68	PINE	20
149539	2325290	23.79	PINE	20
149487	2325257	23.62	PINE	20
149495	2325446	21.59	PINE	20
148962	2324753	24.75	PINE	20
148630	2325630	12.48	PINE	20
148556	2324782	11.16	PINE	20
149441	2323058	17.98	PINE	21
149338	2323205	14.16	PINE	22
149190	2323006	5.32	GUM	20
149176	2322962	6.40	GUM	40

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NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
149728	2322817	13.02	OAK	8
149819	2322980	22.88	OAK	8
149803	2322934	21.69	OAK	8
149832	2322809	13.49	OAK	8
149969	2322843	14.46	OAK	8
149967	2323274	27.26	OAK	8
150065	2323111	21.92	OAK	8
150054	2323082	23.98	OAK	8
149988	2323407	27.26	OAK	8
150194	2323367	10.50	OAK	8
150160	2323210	12.92	OAK	8
150170	2323283	9.97	OAK	8
150221	2323177	7.54	OAK	8
150178	2323157	11.78	OAK	8
150199	2323171	9.39	OAK	8
150282	2323852	8.80	OAK	8
150297	2323856	7.70	OAK	8
150288	2323776	12.55	OAK	8
150384	2323766	13.10	OAK	8
150388	2323679	9.72	OAK	8
150358	2323688	12.79	OAK	8
150269	2323625	12.19	OAK	8
150317	2323641	9.99	OAK	8
150127	2323684	21.96	OAK	8
150248	2323148	7.54	OAK	8
150200	2323130	10.14	OAK	8
150221	2323107	8.43	OAK	8
150256	2323102	6.69	OAK	8
150259	2323087	5.77	OAK	8
150273	2323087	5.96	OAK	8
150164	2323019	13.17	OAK	8
150135	2323004	15.55	OAK	8
150146	2322959	12.60	OAK	8
150142	2323025	15.77	OAK	8
150133	2323024	16.61	OAK	8
150115	2322998	17.40	OAK	8
150086	2322969	18.61	OAK	8
150094	2322932	15.19	OAK	8
150130	2322927	11.94	OAK	8
150168	2322924	8.15	OAK	8
150061	2322920	16.29	OAK	8
150065	2322905	14.42	OAK	8
149991	2322957	19.41	OAK	8
149986	2322937	17.98	OAK	8
150025	2322778	9.35	OAK	8
150036	2322791	8.88	OAK	8
150049	2322770	8.73	OAK	8
149936	2322767	11.72	OAK	8
149655	2322811	12.27	OAK	10
149730	2322794	11.97	OAK	10
149952	2323227	25.38	OAK	10
150086	2323291	19.02	OAK	10
150200	2323146	10.15	OAK	10
150163	2323122	13.82	OAK	10
150369	2323709	11.65	OAK	10

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
150375	2323789	13.05	OAK	22
150227	2323034	6.37	OAK	22
150213	2323038	7.61	OAK	24
150001	2323126	22.31	PINE	12
149974	2323070	23.40	PINE	12
149967	2323063	23.24	PINE	12
149992	2323045	23.91	PINE	12
149643	2322778	10.57	PINE	12
149654	2322784	10.85	PINE	12
150156	2323908	21.63	PINE	12
150160	2323877	20.95	PINE	12
150182	2323837	17.93	PINE	12
150202	2323865	17.68	PINE	12
149660	2322798	12.05	PINE	12
149632	2322819	11.58	PINE	12
149695	2322797	11.94	PINE	12
149706	2322789	11.36	PINE	12
149710	2322771	10.70	PINE	12
149716	2322778	10.90	PINE	12
149728	2322774	10.91	PINE	12
149751	2322760	10.53	PINE	12
149747	2322728	9.89	PINE	12
149802	2322719	9.53	PINE	12
149772	2322731	9.61	PINE	12
149762	2322734	9.87	PINE	12
149753	2322736	10.12	PINE	12
149759	2322790	11.64	PINE	12
149746	2322799	12.17	PINE	12
149719	2322796	12.00	PINE	12
149691	2322857	14.60	PINE	12
149757	2322809	12.84	PINE	12
149786	2322746	10.26	PINE	12
149800	2322745	10.46	PINE	12
149813	2322757	11.45	PINE	12
149812	2322765	11.77	PINE	12
149793	2322805	12.69	PINE	12
149764	2322841	15.36	PINE	12
149744	2322846	15.53	PINE	12
149674	2322873	14.69	PINE	12
149828	2322731	10.97	PINE	12
149819	2322747	11.36	PINE	12
149828	2322762	11.94	PINE	12
149825	2322762	12.23	PINE	12
149888	2322751	13.07	PINE	12
149892	2322750	12.72	PINE	12
149793	2323061	20.83	PINE	12
149845	2323016	22.92	PINE	12
149864	2322992	22.28	PINE	12
149836	2323002	23.05	PINE	12
149793	2323017	21.99	PINE	12
149810	2322992	23.16	PINE	12
149813	2322980	23.41	PINE	12
149851	2322975	21.97	PINE	12
149855	2322961	21.39	PINE	12
149862	2322953	20.51	PINE	12
149860	2322950	20.55	PINE	12
149835	2322933	20.56	PINE	12

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
149956	2323332	31.38	PINE	12
149959	2323361	31.77	PINE	12
150017	2323409	24.40	PINE	12
150084	2323284	19.19	PINE	12
150206	2323153	9.46	PINE	12
150166	2323135	13.39	PINE	12
150248	2323842	11.38	PINE	12
150276	2323850	9.58	PINE	12
150267	2323837	9.84	PINE	12
150292	2323830	9.61	PINE	12
150304	2323825	10.17	PINE	12
150329	2323814	11.42	PINE	12
150277	2323780	12.33	PINE	12
150274	2323775	12.40	PINE	12
150296	2323789	12.46	PINE	12
150277	2323735	13.96	PINE	12
150289	2323727	14.18	PINE	12
150287	2323738	14.40	PINE	12
150343	2323809	11.78	PINE	12
150382	2323812	12.08	PINE	12
150390	2323819	11.36	PINE	12
150405	2323798	12.41	PINE	12
150404	2323661	7.35	PINE	12
150373	2323677	12.36	PINE	12
150361	2323739	12.91	PINE	12
150388	2323652	9.59	PINE	12
150365	2323675	11.98	PINE	12
150346	2323669	12.90	PINE	12
150322	2323618	8.61	PINE	12
150295	2323623	10.72	PINE	12
150262	2323620	12.34	PINE	12
150264	2323626	12.38	PINE	12
150272	2323621	12.10	PINE	12
150310	2323631	9.74	PINE	12
150267	2323651	12.95	PINE	12
150284	2323671	12.41	PINE	12
150313	2323723	13.59	PINE	12
150308	2323731	13.83	PINE	12
150298	2323737	13.69	PINE	12
150304	2323724	13.99	PINE	12
150311	2323682	12.96	PINE	12
150287	2323698	13.98	PINE	12
150280	2323714	13.71	PINE	12
150235	2323637	14.45	PINE	12
150238	2323652	14.04	PINE	12
150223	2323643	14.57	PINE	12
150225	2323638	14.17	PINE	12
150234	2323675	13.75	PINE	12
150262	2323668	12.85	PINE	12
150259	2323701	13.71	PINE	12
150193	2323706	13.89	PINE	12
150203	2323691	14.19	PINE	12
150141	2323652	20.73	PINE	12
150155	2323782	16.13	PINE	12
150141	2323787	16.83	PINE	12
150131	2323786	17.26	PINE	12
150122	2323787	17.65	PINE	12

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
149724	2322823	13.73	PINE	14
149758	2322820	13.41	PINE	14
149813	2322761	11.53	PINE	14
149799	2322783	11.95	PINE	14
149793	2322796	12.16	PINE	14
149783	2322836	14.64	PINE	14
149762	2322846	15.93	PINE	14
149837	2322749	11.73	PINE	14
149810	2323078	21.14	PINE	14
149856	2322994	22.58	PINE	14
149768	2323009	22.13	PINE	14
149761	2322962	22.63	PINE	14
149786	2322940	22.80	PINE	14
149808	2322795	12.28	PINE	14
149846	2322857	15.96	PINE	14
149872	2322860	16.09	PINE	14
149892	2322883	17.04	PINE	14
149889	2322891	17.26	PINE	14
149884	2322894	17.17	PINE	14
149969	2322858	15.43	PINE	14
149940	2322836	16.02	PINE	14
149878	2322848	15.74	PINE	14
149916	2322812	14.97	PINE	14
149914	2322797	14.75	PINE	14
149907	2322783	14.44	PINE	14
149873	2322790	14.17	PINE	14
149886	2322814	14.50	PINE	14
149863	2322783	13.67	PINE	14
149852	2322800	13.71	PINE	14
149854	2323139	22.66	PINE	14
149886	2323131	24.27	PINE	14
149905	2323134	24.86	PINE	14
149937	2323156	25.38	PINE	14
149969	2323118	23.83	PINE	14
149945	2323087	24.12	PINE	14
149929	2323068	23.78	PINE	14
149907	2323052	23.78	PINE	14
149919	2323078	23.72	PINE	14
149909	2323089	24.22	PINE	14
149983	2323165	23.27	PINE	14
150079	2323167	19.33	PINE	14
150049	2323142	20.61	PINE	14
150025	2323061	25.17	PINE	14
150052	2323260	22.71	PINE	14
150055	2323341	21.74	PINE	14
150046	2323383	22.18	PINE	14
150029	2323346	25.21	PINE	14
149998	2323410	26.50	PINE	14
150090	2323363	16.96	PINE	14
150293	2323847	8.47	PINE	14
150314	2323865	5.68	PINE	14
150315	2323828	10.10	PINE	14
150352	2323830	10.58	PINE	14
150247	2323799	11.18	PINE	14
150292	2323785	12.74	PINE	14
150271	2323736	13.38	PINE	14
150289	2323728	14.29	PINE	14

NORTHING	EASTING	ELEVATION	TYPE	DIAMETER
150232	2323797	11.79	PINE	14
150212	2323775	12.50	PINE	14
150203	2323774	13.15	PINE	14
150137	2323806	17.99	PINE	14
150135	2323854	20.17	PINE	14
150297	2323747	14.08	PINE	15
149884	2322997	21.91	PINE	16
149877	2322971	20.79	PINE	16
149823	2322819	14.18	PINE	16
149950	2322865	16.28	PINE	16
149883	2322837	15.38	PINE	16
149887	2322784	14.32	PINE	16
149920	2323040	22.91	PINE	16
149991	2323163	23.01	PINE	16
150066	2323373	20.45	PINE	16
150020	2323313	25.91	PINE	16
150103	2323294	17.31	PINE	16
150241	2323859	13.34	PINE	16
150325	2323841	8.97	PINE	16
150274	2323794	12.22	PINE	16
150303	2323753	13.59	PINE	16
150336	2323785	13.46	PINE	16
150402	2323799	12.51	PINE	16
150404	2323679	8.15	PINE	16
150342	2323705	12.20	PINE	16
150240	2323698	12.97	PINE	16
150133	2323475	20.61	PINE	16
150110	2323372	15.92	PINE	16
150143	2322953	12.57	PINE	16
150077	2322917	15.58	PINE	16
150002	2322838	12.27	PINE	16
150078	2322811	6.80	PINE	16
149997	2322747	8.40	PINE	16
149982	2322749	8.43	PINE	16
149949	2322747	9.85	PINE	16
149961	2322756	9.78	PINE	16
150221	2323824	13.11	PINE	16
150188	2323825	16.29	PINE	16
149971	2322857	15.19	PINE	18
149923	2322819	15.29	PINE	18
150247	2323849	11.85	PINE	18
150369	2323743	12.95	PINE	18
150329	2323674	12.03	PINE	18
150250	2323724	13.27	PINE	18
149947	2322932	17.85	PINE	18
149987	2322761	10.07	PINE	18
150088	2323258	19.64	PINE	20
150292	2323818	10.37	PINE	20
150333	2323795	13.23	PINE	20
150068	2322985	21.85	PINE	20
149892	2322986	21.30	PINE	22
150033	2322911	16.05	PINE	22
150069	2322782	7.46	PINE	24



NEW HANOVER COUNTY

Engineering Department/Water and Sewer District
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

December 19, 2018

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

RE: Grading Permit #58-17 Revision #2, River Lights AQ 4 & 5

Dear Mr. Donald Henry:

Enclosed is the original and a copy of your revised grading permit.
Please read the permit conditions carefully and return the signed original to our office and keep the copy for your records.

The land disturbing fee of **\$26,550** for 177 Lots is due to be paid to New Hanover County Engineering, to my attention, Prior to plat Recordation.

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

A preconstruction meeting is optional prior to any land disturbing activity on this project. Please contact me at (910) 798-7139 if you would like to schedule this meeting in our office.

Thank you for your cooperation. If you have any further questions, please feel free to contact our office.

Sincerely,

Beth Easley Wetherill

Beth Easley Wetherill
Soil Erosion Specialist
New Hanover County

cc: Kathryn Espinoza PE Mckim & Creed
Bryan Chambers, City of Wilmington Planning



Permit# GP 58-17
Revision #2

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 55.88 acres of land at 4410 River Road for River Lights AQ 4 & 5, Phase I in New Hanover County with performance reservations and modifications. This permit issued on January 22, 2018 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, may 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.

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. These include construction entrances, silt fence, double rows of silt fences, 2 lined temporary diversion ditches with rock check dams and immediate construction and stabilization of the sediment basin, its slopes and outlet structure with a 2 inch Faircloth skimmer and a 1.8-inch orifice and coir baffles, unless they will be underwater at the normal pool elevation. Diversion ditch #1 will have 2 check dams and diversion ditch #2 will have 3 check dams. Additional silt fence will be installed adjacent to the wetland where the bridge will be installed to prevent sedimentation into the lake. This approval is for Phase I of Phases 4 & 5. Additional plans will be submitted for further design in Phase 2. This approval includes 55.57 acres and 185 Lots.

**Revision #1 approved 2/19/18 reduces the disturbed area from 55.57 to 54.62 and modifies the silt fences.

**Revision #2 for Phases 4 & 5 include the addition of 0.31 acres with plan modifications and reduces the lot number to 177. It includes 2 phases of construction. Phase I includes a construction entrance, silt fences, outlet protection, 4 lined diversion swales with check dams, concrete washouts and immediate installation and stabilization of 2 skimmer basins with 3 coir baffles. The Faircloth skimmer in SCM 1 is 2 inches with a 1.8-inch orifice and the Faircloth skimmer in SCM 6 is 2 inches with a 1.6-inch orifice. Phase 2 includes a construction entrance, silt fences, drainage installation with inlet and outlet protection, concrete washouts and immediate installation and stabilization of 4 additional skimmer basins with 3 coir baffles and Faircloth skimmers and immediate installation and stabilization of infiltration basin SCM 8. The Faircloth skimmer in SCM 2 is 3 inches

with a 2.6 inch orifice, in SCM 3 the skimmer is 2.5 inches with a 2.1 inch orifice, the skimmer in SCM 4 is 4 inches with a 3.1 inch orifice and the skimmer in SCM 7 is 4 inches with a 3.7 inch orifice

*Tree Removal Permits and/or Approvals are required 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., and the US Army Corps. of Engineers, DEM Solid Waste or any other agencies.

*No sediment shall leave the site.

*If plan revisions are necessary you must submit a copy to this office for approval prior to any field changes.

*If soil is brought onto this site or removed from this site, it must come from or be taken to an approved or permitted site to be identified to this office prior to being brought onsite or 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.

*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. These are mentioned below with specific requirements for each program. These reports are the responsibility of the property owner. They require a rain gauge onsite, inspections and reporting every 7 calendar days and within 24 hours of every ½ 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/lt/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.

*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 also 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. It requires inspections of all erosion control measures and reporting every 7 days and within 24 hours of every ½ inch rain event in a 24-hour period. This permit also includes other new requirements which are listed in the text of the NPDES Stormwater Discharge Permit for Construction Activities, which is attached to the original copy of each land disturbing permit.

*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.

***Pre-construction meetings are optional. Contact Beth E. Wetherill at (910) 798-7139 to set up a meeting prior to land disturbing activity onsite. If you do not choose to have a preconstruction meeting prior to starting work on site, you should notify us when activity begins and when the initial erosion control measures are installed.**

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

By (please print)

Signature

Beth Easley Wetherill

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

**U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT**

Action Id. 2007-02319

County: New Hanover

U.S.G.S. Quad: Wilmington

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner: Bill Mumford
NNP IV Cape Fear River LLC
13777 Ballantyne Corporation Place, Suite 550
Charlotte, North Carolina 28277

Agent: Kim Williams
Land Management Group, Inc.
3805 Wrightsville Avenue, Suite 15
Wilmington, North Carolina 28403

Size (acres)	<u>Approximately 1,400 acres</u>	Nearest Town	<u>Wilmington</u>
Nearest Waterway	<u>Cape Fear River</u>	River Basin	<u>Cape Fear</u>
USGS HUC	<u>03030005</u>	Coordinates	Latitude: <u>34.148117</u> Longitude: <u>-77.940635</u>

Location description: The review area is located at 4410 River Road (Parcel R0-7000-006-009-000), in the City of Wilmington, New Hanover County, North Carolina.

Indicate Which of the Following Apply:

A. Preliminary Determination

Based on preliminary information, there may be waters of the U.S. including wetlands on the above described project area. We strongly suggest you have this property inspected to determine the extent of Department of the Army (DA) jurisdiction. To be considered final, a jurisdictional determination must be verified by the Corps. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also, you may provide new information for further consideration by the Corps to reevaluate the JD.

B. Approved Determination

There are Navigable Waters of the United States within the above described property subject to the permit requirements of Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

There are waters of the U.S. including wetlands on the above described property subject to the permit requirements of Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

We strongly suggest you have the waters of the U.S. including wetlands on your project area delineated. Due to the size of your property and/or our present workload, the Corps may not be able to accomplish this wetland delineation in a timely manner. For a more timely delineation, you may wish to obtain a consultant. To be considered final, any delineation must be verified by the Corps.

The waters of the U.S. including wetlands on your project area have been delineated and the delineation has been verified by the Corps. We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.

The waters of the U.S. including wetlands have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on October 20, 2015. Unless there is a change in the law or our

published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

- There are no waters of the U.S., to include wetlands, present on the above described project area which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.
- The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Morehead City, NC, at (252) 808-2808 to determine their requirements.

Placement of dredged or fill material within waters of the US and/or wetlands without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). If you have any questions regarding this determination and/or the Corps regulatory program, please contact **Kyle Dahl at (910) 251-4469 or kyle.j.dahl@usace.army.mil**

C. Basis For Determination: *The site contains two TNWs (Motts Creek and Barnards Creek), wetlands adjacent to these two waters and the Cape Fear River(a TNW), an RPW that is a tributary of Barnards Creek, wetlands directly abutting this RPW and isolated wetlands. Wetlands on site meet the wetland criteria established in the 1987 Corps wetland delineation manual. Other jurisdictional waters contains an OHWM. The survey titled "Revised Wetlands Map of NNP-IV Cape Fear River LLC" dated May 13, 2015 accurately depicts the geographic extent of on-site wetlands and other waters.*

D. Remarks:

E. Attention USDA Program Participants

This delineation/determination has been conducted to identify the limits of Corps' Clean Water Act jurisdiction for the particular site identified in this request. The delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

F. Appeals Information (This information applies only to approved jurisdictional determinations as indicated in B. above)

This correspondence constitutes an approved jurisdictional determination for the above described site. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and request for appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

US Army Corps of Engineers
South Atlantic Division
Attn: Jason Steele, Review Officer
60 Forsyth Street SW, Room 10M15
Atlanta, Georgia 30303-8801

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by **December 20, 2015**.

It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this correspondence.

Corps Regulatory Official: _____


Kyle Dahl

Date: **10/20/2015**

Expiration Date: **10/20/2020**

**NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND
REQUEST FOR APPEAL**

Applicant: **Bill Mumford, NNP IV Cape Fear** File Number: **SAW-2007-02319** Date: **10/20/2015**

Attached is: See Section below

<input type="checkbox"/>	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
<input type="checkbox"/>	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
<input type="checkbox"/>	PERMIT DENIAL	C
<input checked="" type="checkbox"/>	APPROVED JURISDICTIONAL DETERMINATION	D
<input type="checkbox"/>	PRELIMINARY JURISDICTIONAL DETERMINATION	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits.aspx> or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the district engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

**District Engineer, Wilmington Regulatory Division,
Kyle Dahl
69 Darlington Avenue
Wilmington, NC 28403**

If you only have questions regarding the appeal process you may also contact:

Mr. Jason Steele, Administrative Appeal Review Officer
CESAD-PDO
U.S. Army Corps of Engineers, South Atlantic Division
60 Forsyth Street, Room 10M15
Atlanta, Georgia 30303-8801
Phone: (404) 562-5137

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Signature of appellant or agent.

Date: _____

Telephone number: _____

For appeals on Initial Proffered Permits send this form to:

District Engineer, Wilmington Regulatory Division, Kyle Dahl, 69 Darlington Avenue, Wilmington, NC 28403

For Permit denials, Proffered Permits and approved Jurisdictional Determinations send this form to:

**Division Engineer, Commander, U.S. Army Engineer Division, South Atlantic, Attn: Mr. Jason Steele,
Administrative Appeal Officer, CESAD-PDO, 60 Forsyth Street, Room 10M15, Atlanta, Georgia 30303-8801
Phone: (404) 562-5137**