### NOTES

1. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING (IF REQUIRED) WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION. 2. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS OCCUR IN THOSE AREAS.

3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.

4. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN PARKING AREAS SHALL BE WHITE.

5. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.

6. WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY DETAILS AND SPECIFICATIONS.

7. PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.

8. IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST SUPPLY A RPZ BACKFLOW PREVENTION DEVICE ON THE DEVELOPERS SIDE OF THE WATER METER BOX.

9. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA SHALL COMPLY WITH THE CFPUA CROSS CONNECTION REGULATIONS. 10. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZE

SENSOR. 11. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCCHR.

12. CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF CONFLICTS.

13. AN ALL WEATHER DRIVING SURFACE FOR EMERGENCY VEHICLES MUST BE MAINTAINED DURING CONSTRUCTION.

14. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (TEN) FEET ABOVE THE GROUND WITHIN THE TRIANGLE SIGHT DISTANCE.

15 CONTRACTOR IS TO NOTIFY (AT A MINIMUM) THE FOLLOWING COMPANIES FOR LOCATION SERVICES: ULOCO ......1-800-632-4949, 48 HOURS IN ADVANCE BELL SOUTH......1-800-392-8712 (STEVE DAYVAULT) CAROLINA ONE CALL CENTER 1-800-632-4949

16. THERE SHALL BE NO ENCUMBRANCES WITHIN THE NCDOT RIGHT OF WAY. 17. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET

TREES SHALL BE SUBMITTED TO THE COUNTY FOR APPROVAL. 18. FIRE HYDRANTS CANNOT BE FURTHER THAN 8' FROM THE CURB. 19 PARKING AND LANDSCAPING CANNOT BLOCK FIRE HYDRANTS OF FDC'S 20. FDC'S CAN BE NO FURTHER THAN 40' FROM FIRE DEPARTMENT VEHICL PLACEMEN<sup>T</sup>

21. FDC'S CAN BE NO FURTHER THAN 150' FROM A FIRE HYDRANT 22. A Section 510 Study is required per NC Fire Code for First Responder Radio Coverage.

DATED 4/23/20	DATED 4/2/20	DATED 4/2/20	DATED 3/11/20		
REVISED PER NHC S&E COMMENTS	REVISED PER NHC S&E COMMENTS	REVISED PER NHC TRC COMMENTS	REVISED PER NHC S&E COMMENTS	REVISION	
5-4-20	4-8-20	4-3-20	3-18-20	DATE	
R4	R3	R2	R1	NUMBER	



PRD PROPERTIES, LLC PETER DAVIS 110 COVIL AVENUE WILMINGTON, NC 28403 1-910-470-9925

# **CONSTRUCTION PLANS** NORTH KERR INDUSTRIAL PARK 2909 ORVILLE WRIGHT WAY WILMINGTON, NC 28405



SCALE 1" = 600' VICINITY MAP January, 2020

### **OWNER/DEVELOPER**

## **CIVIL ENGINEER**

JBS CONSULTING, PA BRAD SEDGWICK, PE 7332 COTESWORTH DRIVE WILMINGTON, NC 28405 1-910-619-9990

### **SURVEYOR**

GEOINNOVATION, PC MR. DEAN EXLINE, PLS 3306 KITTY HAWK ROAD WILMINGTON, NC 28405 1-910-367-2110

LIST OF DRAWINGS

XX	COVER SHEET
C1	SITE PLAN
C2	<b>GRADING, DRAINAGE &amp; EROSION CONTROL</b>
C3	DETAILS/LANDSCAPE PLAN
C4	UTILITES/NCDOT ENCROACHMENT







BECURE BOTTON OF BAFFL TO GROUND WITH 12" ST AT 12" MAXIMUM SPACING

11 GAUGI





S&E S&E S&E NHC NHC 888 |ψ|4|4|ψ|

R2 R3

ET DOOTCOTION		DATE		DEOL	
		DATE		DESIG	IN PHASE
GN		02/05/20		PRELI	
	PROJECTI	10	DEVIS		
Kerr Industrial Park	BV		RECO		
anover County NC			OTHE	R	
	CHECKED BY		(SPEC		
IONAL INFORMATION		51	(0 0		
Storm Outlet Structure					
Pipe No.= Flume   Eq Pipe = 21   Q10 = 8.83   Qfull = 11.77   Vfull = 2.35	10' wide flume - pipe equivalent size @ 11.77 cfs full flow = 21" Add 10' to "A" and "W" results	Q10/Qfull = V/Vfull = V =	0.75 1.10 2.6	fps	
From Fig. 8.06.b.1:	Zone	=[	1		
From Fig. 8 06 b 2	D50	=	4	in	
		=	6	in	
Î	Riprap Class	=	А		
the second secon	Apron Thickness	=	9	in	
Videntia Videntia	La, Apron Length	=	6.8	ft	
× ×	A, Upstream Width = 3xDia	=	5.125	ft	15.125 ft
La Length	W, Downstream Width	=	8.541667	ft	18.542 ft
×>					

	Contour Area	Incremental	Cumulative Volume, S
tour	(SF)	Volume (CF)	(CF)
	0	0	0
00	0	0	0
00	519	319	320
00	1,699	1,109	1,429
00	2,960	2,330	3,759
50	3,945	1,726	5,485
00	4,625	2,143	7,627
			20.04.00

### CONSTRUCTION SEQUENCE

ACTIVITY.







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5-4-20 4-8-20 4-8-20 4-3-20 3-18-20



R034001-001-067-000 UTILITY OWNER: CAPE FEAR PUBLIC UTILITY AUTHORITY

NUMBER OF BUILDINGS - 1 PROPOSED 12,000 SF

BUSINESS NO FOOD PREP (2 TOILETS, 2 SINKS) 35













# **CIVIL ENGINEER**

JBS CONSULTING, PA BRAD SEDGWICK, PE 7332 COTESWORTH DRIVE WILMINGTON, NC 28405 1-910-619-9990 BRADSEDGWICK@HOTMAIL.COM

# **SURVEYOR**

GEOINNOVATION, PC MR. DEAN EXLINE, PLS WILMINGTON, NC 28405 1-910-367-2110

