October 27, 2025

Jovita Hood Currituck County Planning & Community Development 153 Courthouse Rd, Suite. 110 Currituck, NC 27929

Re: Coastal Roofing & Siding – Major Site Plan Rolling TRC Comments TRC Comments Submittal Response

Jovita.

We hope this letter finds you well. We are writing this in response to the TRC comments sent by the county on August 14, 2025, for the above referenced project that was submitted as a rolling TRC. Along with this letter please find the following attachments:

- 1- PDF digital copy of all revised documents and plans:
 - o Plans:
 - 1. Site Plan
 - 2. Stormwater Plan
 - 3. Construction Details
 - 4. Landscape Plan,
 - 5. Landscape Legend & Notes
 - 6. Landscape Details
 - o Documents:
 - 7. Major Stormwater Plan Form (SW-002)
 - 8. Major Site Plan Application
 - 9. Fire Flow Calculations
 - 10. Sketch showing backflow preventer location inside the building

The responses to the county TRC comments from August 14, 2025 are as follows in blue color:

Planning, Jovita Hood

Reviewed - No comments

Currituck County Building Inspections & Fire, Rick Godsey

Approved

- 1. Fire flow to be determined by ISO method.
- 2. Hydrant must be within 400 feet of all points of building.

Fire flow calculations included

Hydrant requirement reviewed and reflected as such on the updated Site plan.

Stormwater Review, (McAdams, Stormwater Consultant)

Comments forwarded to applicant 8/5/25.

Stormwater development review comments: Please provide complete copies of:

- Minor Stormwater Plan form SW-001
- Minor Site Plan Application
- Minor Subdivision Application
- Major Stormwater Plan Form SW-002
- Major Site Plan Application
- Major Subdivision Application

Please find attached the major Stormwater Plan Form (SW-002) and Major Site Plan Application, as these are the applicable documents for the referenced project.

Design drawings:

1. Per Section 7.3.4.A.(8) of the UDO, please provide building pad elevations (BPE) on stormwater plans. If the building pad elevation is the same as the finish elevation (FFE), please indicate such on the plans

Comment noted. Reviewed and reflected as such on updated Stormwater Plan and Site Plan indicating building pad elevations to be same as proposed finished floor elevation.

General

2. Approval of this development is conditional upon validation that the permit renewal was granted by NCDEQ

The owner intends to proceed under the at-risk route as allowed by 160D-1110.1. Upon completion of construction, the state stormwater permit renewal will then be submitted to NCDEQ for approval.

Currituck Fire and Emergency Medical Services

Reviewed

EMS Service Demand Projection: The application indicates that the development continues a Contractor Services use, with no new residential units. Therefore, no additional EMS call volume is projected based on residential demand.

However, EMS may still experience incremental increases in service calls due to employee activity, commercial vehicle-related injuries, or medical events among site occupants. These types of calls are unpredictable but do occur in light industrial settings. This risk is low but should be acknowledged in service planning.

Additional Notes: The site is located in Powells Point, served by Lower Currituck Volunteer Fire Department. While fire suppression response is outside the EMS scope, users and occupants should be aware that fire response may be inconsistent due to volunteer staffing.

Comment noted.

Currituck County Water/Backflow, Joseph Elliot

Reviewed

I do not see any plans for a back flow preventer. All commercial buildings are required to have an assemble to protect Currituck County water system.

Fire hydrant added to Site Plan.

Fire flow calculations added to submittal

Back Flow preventer location shown in Sketch Plan attached, inside building.

Currituck County GIS, Harry Lee

Reviewed

Please use Parcel Identification Number: 0123000092C0000

Address assignment:

Unit 1: 8179-A Caratoke Hwy

Unit 2: 8179-B Caratoke Hwy Future

Unit 3: 8179-C Caratoke Hwy Future

Unit 4: 8179-D Caratoke Hwy

Comment noted. Reviewed and reflected as such on the updated Site Plan

Currituck County Parks and Recreation, Jason Weeks

No comment.

If you have any questions, please do not hesitate to contact us at (252) 261-4151. Thank you for your assistance with the progress of this project.

Sincerely,

Vuleia Gunzála Alorión

Valeria Gonzalez-Alarcon for Carlos Gomez, PE, PLS

Civil Designer

Coastal Engineering & Surveying, Inc.



Major Site Plan

Review Process

Contact Information

Pre-Application Conference

> Community Meeting (optional)

Submit Application

Determination of Completeness

Staff Report (optional)

Technical Review Committee Decision

Notice of

Decision

Major Site Plan Currituck County
Planning and Inspections Department
153 Courthouse Road, Suite 110
Currituck, NC 27929

Website:

http://www.currituckcountync.gov/planning-zoning/

Email:

ccpz@currituckcountync.gov

General

Major site plan approval is required for any non-residential, multi-family, or mixed-use development that:

Phone: 252-232-3055

Is 5,000 square feet or greater of building gross floor area, impervious surface, disturbed land area, and other use area.

Step 1: Pre-application Conference

The purpose of a pre-application conference is to provide an opportunity for the applicant to determine the submittal requirements and the procedures and standards applicable to an anticipated development application. A pre-application conference is also intended to provide an opportunity for county staff to become familiar with, and offer the applicant preliminary comments about, the scope, features, and impacts of the proposed development, as it relates to the standards in the Unified Devlopment Ordinance (UDO).

The applicant shall submit conceptual drawings that show the location, general layout, and main elements of the proposed development as part of the application to the Development Services Department at least three business days before the pre-application conference.

Step 2: Application Submittal and Acceptance

The applicant must submit a complete application packet on or before the application submittal deadline date, which is usually the fourth Thursday of each month. A complete application packet consists of the following:

- Completed Currituck County Major Site Plan Application.
- Site plan drawn to scale. The plan shall include the items listed in the major site plan design standards checklist.
- Landscape plan drawn to scale. The plan shall include the items listed in the major site plan design standards checklist.
- Exterior lighting plan drawn to scale. The plan shall include the items listed in the major site plan design standards checklist.
- o Stormwater Review Fee (see fee schedule) and Major Stormwater Plan and Form SW-002.
- Architectural elevations illustrating the design and character of the proposed structures, if applicable.

- ARHS site evaluation(s) OR if connecting to existing wastewater system, a letter of commitment from centralized sewer provider and letter from DWQ indicating the existing plant has sufficient capacity to serve the development at the time of site plan approval.
- NCDEQ, DWQ stormwater permit application (if 10,000sf or more of built upon area).
- NCDEQ, Land Quality, Erosion and Sedimentation Control permit application (if one acre or more of land disturbance).
- NCDOT Street and Driveway Access Permit Application and Encroachment Agreement.

Applicable Fee:

\$.15 per square foot of gross floor area or \$500 minimum

Upon receiving an application, staff shall, within ten business days, determine whether the application is complete or incomplete. A complete application contains all the information and materials listed above and is in sufficient detail to evaluate and determine whether it complies with appropriate review standards. If an application is determined to be incomplete, the applicant may correct the deficiencies and resubmit the application for completeness determination. Failure to resubmit a complete application within 45 calendar days after being determined incomplete will result in the application being considered withdrawn. Applicants may submit applications for a site plan and building permit concurrently.

Step 3: Staff Review and Action

Once an application is determined complete, it will be distributed to the Technical Review Committee (TRC) and placed on the TRC meeting agenda. TRC shall review and prepare a written report that will include any outstanding concerns with the application. TRC shall approve, approve subject to conditions or disapprove the application. Conditions of approval shall be limited to those deemed necessary to ensure compliance with the standards of the UDO.

An application for a site plan shall be approved on a finding the applicant has demonstrated the proposed development:

- O Is consistent with the Land Use Plan or other officially adopted plan;
- O Complies with the applicable district, use-specific, development, environmental, and infrastructure design standards of the UDO;
- Complies with the Currituck County Stormwater Manual and all other applicable standards of the UDO and the County Code of Ordinances; and
- Complies with all standards or conditions of any prior applicable development permits or approvals.



Major Site Plan

Application

Contact Informa	tion				
APPLICANT:		PROPERTY OWN	JER:		
Name:	Coastal Engineering and Surveying	Name:	Frasca Holdings LLC		
Address:	4425 N. Croatan Hwy	Address:	2401 Colington Rd		
			Kill Devil Hills, NC 27948		
Telephone:	252-261-4151	Telephone:	252-256-1814		
E-Mail Address:	cgomez@coastales.com	E-Mail Address:	coastalrands@hotmail.com		
LEGAL RELATION	NSHIP OF APPLICANT TO PROPERTY	OWNER: Engine	er		
Property Inform	ation				
Location: Parcel Identifica Total Parcel(s)	Address: 8179 Caratoke Hwy, Power Power Strong Power Strong Property: 000 Contractor Services				
Request					
Proposed Use o	Coastal Roofing and Siding f the Property: Contractor Services ge Number and/or Plat Cabinet/Slide		", SL. 3		
	ptage of land disturbance activity: 22		· · · · · · · · · · · · · · · · · · ·		
	ge: 36,867 sf. ft.		r use area: 18,965 sfj. ft.		
	oss floor area: 7700 Proposed gross floor area: 7700				
I hereby authorize county officials to enter my property for the purpose of determining zoning compliance. All information submitted and required as part of this process shall become public record. Applicant Date Date					

*NOTE: Form must be signed by the owner(s) of record, contract purchaser(s), or other person(s) having a recognized property interest. If there are multiple property owners/applicants a signature is required for each.

Major Site Plan Design Standards Checklist

The table below depicts the design standards of the major site plan application. Please make sure to include all applicable listed items to ensure all appropriate standards are reviewed.

Major Site Plan

Design Standards Checklist

Date Received:	TRC Date:
Project Name: Coastal Roofing and Siding	
Applicant/Property Owner:	
Site Plan Design Standards Checklist	
General	

North arrow and scale to be 1" = 100' or larger. Vicinity map showing property's general location in relation to streets, railroads, and waterways. Existing zoning classification and zoning setback lines of the property. Scaled drawing showing existing and proposed site features: Property lines, acreage, adjacent use types, streets (right-of-ways), easements, buildings and accessory structures (including square feet and use), parking layout, vehicular use areas, driveways (including opposing driveways), loading spaces, refuse collection facilities (dumpsters), outdoor storage areas, ground based utility equipment, fences and walls, and sidewalks and pedestrian circulation. And location and size of existing and proposed infrastructure: Water mains (including and water taps), water meter details, backflow prevention details, wells, sewer mains or on-site septic systems (including repair area), electrical service, fire hydrants, detail of fire apparatus access to buildings, and any other public utility within all adjacent public right-of-ways and easements. Approximate location of all designated Areas of Environmental Concern or other such areas which are environmentally sensitive on the property, such as Maritime Forest, CAMA, 404, or 401 wetlands as defined by the appropriate agency. Sight distance triangles. Proposed common areas, open space set-asides, and required buffers. Landscape Plan All existing and proposed planting areas and vegetation that will be used to comply with the landscaping requirements, including the species, caliper, and spacing of all vegetation. Existing and proposed physical barriers to be used to comply with the bufferyard and screening requirements. Adjoining property lines, zoning, and names and address of adjoining property owners. Exterior Lighting Plan Location, height, and type of all proposed exterior lighting including but not limited to site, street, building, and security lighting.		General	
Site address and parcel identification number. North arrow and scale to be 1" = 100' or larger. Vicinity map showing property's general location in relation to streets, railroads, and waterways. Existing zoning classification and zoning setback lines of the property. Scaled drawing showing existing and proposed site features: Property lines, acreage, adjacent use types, streets (right-of-ways), easements, buildings and accessory structures (including square feet and use), parking layout, vehicular use areas, driveways (including opposing driveways), loading spaces, refuse collection facilities (dumpsters), outdoor storage areas, ground based utility equipment, fences and walls, and sidewalks and pedestrian circulation. And location and size of existing and proposed infrastructure: Water mains (including and water taps), water meter details, backflow prevention details, wells, sewer mains or on-site septic systems (including repair area), electrical service, fire hydrants, detail of fire apparatus access to buildings, and any other public utility within all adjacent public right-of-ways and easements. Approximate location of all designated Areas of Environmental Concern or other such areas which are environmentally sensitive on the property, such as Maritime Forest, CAMA, 404, or 401 wetlands as defined by the appropriate agency. Sight distance triangles. Proposed common areas, open space set-asides, and required buffers. Landscape Plan All existing and proposed planting areas and vegetation that will be used to comply with the landscaping requirements, including the species, caliper, and spacing of all vegetation. Existing and proposed physical barriers to be used to comply with the bufferyard and screening requirements. Adjoining property lines, zoning, and names and address of adjoining property owners. Exterior Lighting Plan Location, height, and type of all proposed exterior lighting including but not limited to site, street, building, and security lighting.	1	Property owner name, address, phone number, and e-mail address.	1
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Exterior Lighting Plan Location, height, and type of all proposed exterior lighting including but not limited to site, street, building, and security lighting. Footcandle measurements of the entire site including lot lines, or light fixture documentation	12	Heritage tree inventory and proposed tree protection zones.	INA
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street, building, and security lighting. 15 Footcandle measurements of the entire site including lot lines, or light fixture documentation		Exterior Lighting Plan	
		street, building, and security lighting.	V
when minimal lighting is proposed.	15	Footcandle measurements of the entire site including lot lines, or light fixture documentation when minimal lighting is proposed.	NA
		Major Stormwater Management Plan	

	Architectural Elevations	
17	Architectural drawings and/or sketches illustrating the design, character, height, and materials of the proposed buildings.	
	Flood Damage Prevention, if Applicable	
18	Proposed elevation of all structures and utilities.	\
19	Location, dimensions, and use of: Development and disturbance, existing and proposed structures and utility systems grading and pavement areas, fill materials, storage areas, drainage facilities, and other development.	✓
20	Boundary of Special Flood Hazard Area (SFHA), floodway, Coastal Barrier Resource System (CBRS) Area, water course relocation, or a statement that the entire lot is within a specific SFHA.	NA
21	Flood zone designation as determined on the County's Flood Insurance Rate Maps (FIRM).	V
22	Design Flood Elevation (Base Flood Elevation plus two-foot freeboard).	
23	Plans and/or details for the protection of public facilities and utilities (sewer, gas, electrical, and water systems) from inundation of flood waters up to Design Flood Elevation.	NA
24	Water course alteration or relocation: Description of alteration or relocation, report on effects of proposed project on the flood carrying capacity of the water course, and effects to properties located up and downstream.	/
25	Fill – plans for non-structural fill (if being utilized in VE zone).	

Major Site Plan Submittal C	hecklist
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Staff will use the following checklist to determine the completeness of your application within ten business days of submittal. Please make sure all of the listed items are included. Staff shall not process an application for further review until it is determined to be complete.

Major Site Plan

Submittal Checklist

Date	Date Received: TRC Date:			
Proje	ct Name: Coastal Roofing and Siding			
Appli	icant/Property Owner:			
-	or Site Plan Submittal Checklist			
1	Complete Major Site Plan application			
2	Site plan	√		
3	Landscape plan			
4	Exterior Lighting plan			
5	Stormwater Review Fee Deposit (see fee schedule) and Major Stormwater Management plan and Form SW-002			
6	Architectural elevations, if applicable			
7	ARHS site evaluation(s) OR if connecting to existing wastewater system, a letter of commitment from owner of centralized sewer provider and letter from DWQ indicating the existing plant has sufficient capacity to serve the development at the time of site plan approval.	√		
8	NCDEQ stormwater permit application (if 10,000 sf or more of built upon area).	√		
9	NCDEQ Erosion and Sedimentation Control permit application (if one acre or more of land disturbance).			
10	NCDOT Street and Driveway Access Permit Application and Encroachment Agreement			
11	Application fee (\$.15 per square foot of gross floor area or \$500 minimum)			
Г. С.				
For St	raff Only			
	application Conference application Conference was held on and the following people were pre-	esent:		
	e e cope			
Comi	ments			



Major Stormwater Plan Form SW-002

Review Process

Contact Information

Currituck County
Planning and Inspections Department
153 Courthouse Road, Suite 110
Currituck, NC 27929

Phone: 252-232-3055

Website: http://www.currituckcountync.gov/planning-zoning/

Email: ccpz@currituckcountync.gov

General

Major stormwater plan approval is required for:

Major subdivisions.

 Major site plans - development or expansion on a nonresidential, multi-family, or mixed use lot by 5,000 square feet or more of impervious coverage or resulting in 10% or more total impervious coverage.

Step 1: Application Submittal

The applicant must submit a complete application packet consisting of the following:

Submitted on a USB flash drive or a compact disc (CD):

- o mpleted Currituck County Major Stormwater Plan Form SW-002.
- O Completed Rational Method Form SW-003 or NRCS Method Form SW-004.
- Stormwater management plan drawn to scale. The plan shall include the items listed in the major stormwater plan design standards checklist.
- Alternative stormwater runoff storage analysis and/or downstream drainage capacity analysis, if applicable.
- O NCDENR permit applications, if applicable.
- O Stormwater Review Fee (see fee schedule)

On receiving an application, staff shall determine whether the application is complete or incomplete. A complete application contains all the information and materials listed above and is in sufficient detail to evaluate and determine whether it complies with appropriate review standards. An application for major stormwater plan must be submitted and approved prior altering an existing drainage system, performing any land disturbing activity or, before construction documents are approved.

Step 2: Staff Review and Action

Once an application is determined complete staff shall approve, approve subject to conditions or disapprove the application.



Major Stormwater Plan Form SW-002

OFFICIAL USE ONL	Y:
Permit Number:	
Date Filed:	
Date Approved:	

Contact Inform	ation		
APPLICANT:		PROPERTY O'	WNER:
Name:	Coastal Engineering and Surveying	Name:	Frasca Holdings LLC
Address:	4425 N. Croatan Hwy	Address:	2401 Colington Rd
	Kitty Hawk, NC 27949		Kill Devil Hills, NC 27948
Telephone:	252-261-4151	Telephone:	252-256-1814
	cgomez@coastales.com		ss: coastalrands@hotmail.com
Property Infor	mation		
Physical Street	Address: 8181 Caratoke Hwy		
Parcel Identific	cation Number(s):		
FEMA Flood Zo	one Designation: Zone X		
Request			
Project Descrip	otion: New Building and Parking o	on site with exis	sting building and parking
Total land dist	urbance activity: 22,080 sf	Calculated vo	olume of BMPs:5,233 cft 🔷 See note 10
Maximum lot c	overage: 40,685 sf		coverage: 36,867 51 Stormwater
TYPE OF REQU	JEST	•	Grading Pla
	subdivision (10-year, 24-hour rate) site plan (5-year, 24-hour rate)		
METHOD USE	O TO CALCULATE PEAK DISCHARGE		
	al Method		
	Method (TR-55 and TR-20) evolume calculation for small sites (less	than 10 acros)	
	ative stormwater runoff storage analysi	•	
	tream drainage capacity analysis		· ·
I hereby guthe	orize county officials to enter my prop	erty for the purp	ose of determining compliance. All
information sul	omitted and required as part of this pro	ocess shall become	e public record.
(d)	M		10/17/25
Applicant			10-15-25
Property Own	er(s)		Date

*NOTE: Form must be signed by the owner(s) of record, contract purchaser(s), or other person(s) having a recognized property interest. If there are multiple property owners/applicants a signature is required for each.

Major Stormwater Plan Design Standards C	Checklist	ards Checkl	Standar	esian S	Plan	Stormwater	Maior	I
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The table below depicts the design standards of the major stormwater plan application. Please make sure to include all applicable listed items to ensure all appropriate standards are reviewed.

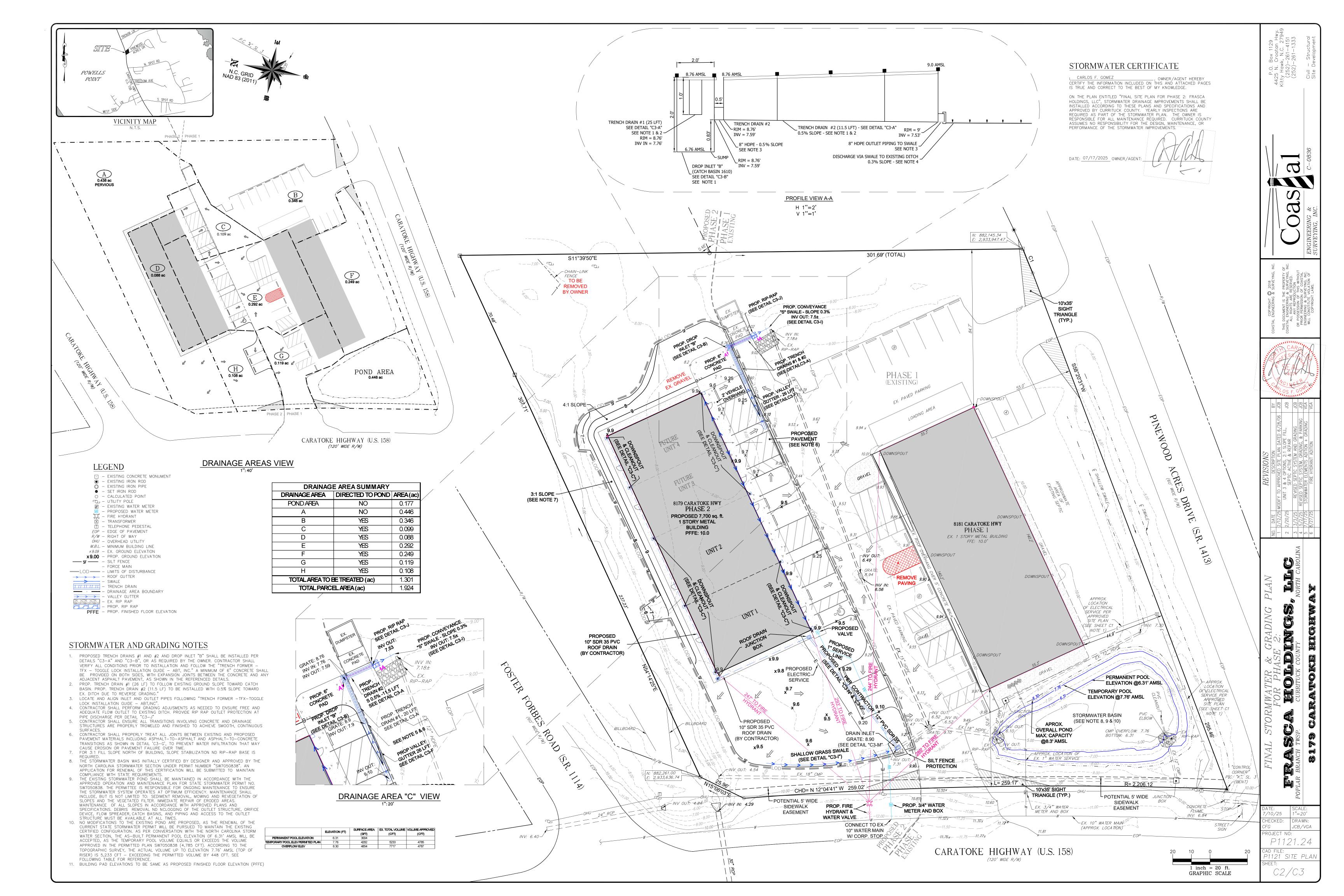
Major Stormwater Plan

Design Standards Checklist

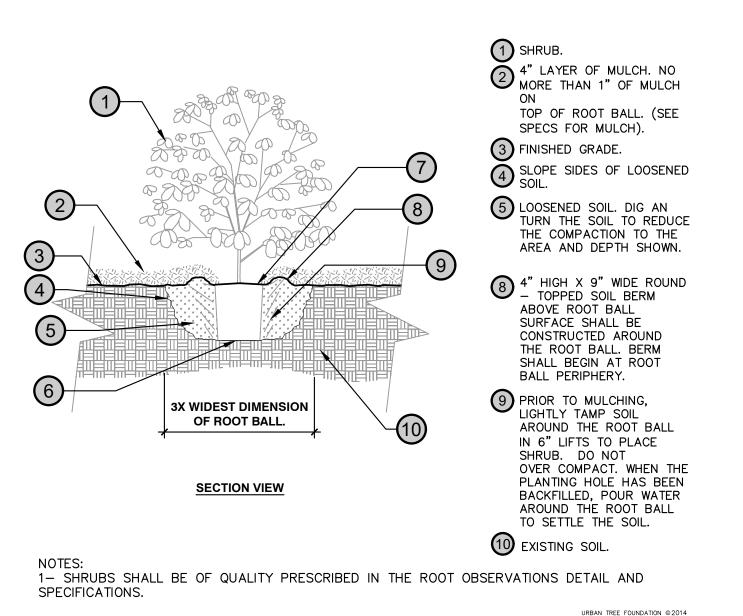
Date Received:
Project Name: 8181 Caratoke Hwy
Applicant/Property Owner: Coastal Engineering and Surveying / Frasca Holdings LLC

Min	or Stormwater Plan Design Standards Checklist	
/4/11/1	General	
1	Property owner name and address.	
2	Site address and parcel identification number.	1
3	North arrow and scale to be 1" = 100' or larger.	17
	Site Features	
4	Scaled drawing showing existing and proposed site features:	T
	Property lines with dimensions, acreage, streets, easements, structures (dimensions and	
	square footage), fences, bulkheads, septic area (active and repair), utilities, vehicular use	
	areas, driveways, and sidewalks.	
5	Approximate location of all designated Areas of Environmental Concern (AEC) or	
	other such areas which are environmentally sensitive on the property, such as Maritime	
	Forest, CAMA, 404, or 401 wetlands as defined by the appropriate agency.	
6	Existing and proposed ground elevations shown in one foot intervals. All elevation	
	changes within the past six months shall be shown on the plan.	
88	Limits of all proposed fill, including the toe of fill slope and purpose of fill.	
9	Square footage of all existing and proposed impervious areas (structures, sidewalks,	
	walkways, vehicular use areas regardless of surface material), including a description	
	of surface materials.	
10	Existing and proposed drainage patterns, including direction of flow.	
11	Location, capacity, design plans (detention, retention, infiltration), and design	
	discharge of existing and proposed stormwater management features.	
12	Elevation of the seasonal high water level as determined by a licensed soil scientist.	\perp
13	Plant selection.	
	Permits and Other Documentation	
14	NCDENR stormwater permit application (if 10,000sf or more of built upon area).	
15	NCDENR erosion and sedimentation control permit application (if one acre or more of land	
	disturbance).	_
16	NCDENR coastal area management act permit application, if applicable.	
17	Stormwater management narrative with supporting calculations.	1
18	Rational Method Form SW-003 or NRCS Method Form SW-004	
19	Alternative stormwater runoff storage analysis and/or downstream drainage capacity	
	analysis, if applicable	
20	Design spreadsheets for all BMPs (Appendix F – Currituck County Stormwater Manual).	
21	Detailed maintenance plan for all proposed BMPs.	V

	Certificate	
22	The major stormwater plan shall contain the following certificate:	
	I,, owner/agent hereby certify the information included on this and attached pages is true and correct to the best of my knowledge.	
	On the plan entitled, stormwater drainage improvements shall be installed according to these plans and specifications and approved by Currituck County. Yearly inspections are required as part of the stormwater plan. The owner is responsible for all maintenance required. Currituck County assumes no responsibility for the design, maintenance, or performance of the stormwater improvements. Date: Owner/Agent:	
Majo	or Stormwater Plan Submittal Checklist	
all th	will use the following checklist to determine the completeness of your application. Please make the listed items are included. Staff shall not process an application for further review until rmined to be complete.	
Sub	ajor Stormwater Plan Form SW-002 omittal Checklist	
Date	Received:	
Proje	ect Name:	
Appl	icant/Property Owner:	
Majo	or Stormwater Plan Form SW-002 Submittal Checklist — Documents provided on USB flash drive o	CD
1	Completed Major Stormwater Plan Form SW-002	
2	Completed Rational Method Form SW-003 or NRCS Method Form SW-004	
3	Stormwater plan	
4	NCDENR permit applications, if applicable	
Ther	ments Te is an existing NCDEQ Stormwater Permit SW7050838, that has alloted for the proposed tional coverage.	



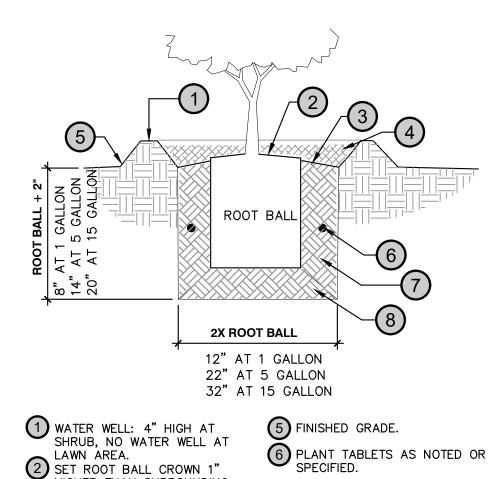




2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL. OPEN SOURCE FREE TO USE SHRUB — UNMODIFIED SOIL

DETAIL-FILE

1 SHRUB 2 ROOTBALL ROUND - TOPPED SOIL BERM 4" HIGH AND 8"WIDE ABOVE ROOT BALL SURFACE SHALL BE CENTERED ON THE DOWNHILL SIDE OF THE ROOT BALL FOR 240°. BERM SHALL BEGIN AT THE ROOT BALL PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE SHRUB. DO NOT OVER THE COMPACT. WHEN THE PLANTING HOLE HAS BEEN BACKFILLED, POUR THE WATER AROUND THE ROOT BALL TO SETTLE THE SOIL. 5 EXISTING SOIL 6 4" LAYER OF MULCH. NO MORE THAN 1" OF MULCH ON TOP OF ROOT BALL. (SEE SPECIFICATIONS FOR MULCH). ORIGINAL SLOPE SHOULD PASS THROUGH THE POINT WHERE THE TRUNK MEETS SUBSTRATE/SOIL. 8 SLOPE SIDES OF LOOSENED SOIL. 9 LOOSEN THE SOIL. DIG AND TURN THE SOIL TO REDUCE THE COMPACTION TO THE AREA AND DEPTH 3X'S WIDEST DIMENSION OF ROOT BALL BOTTOM OF ROOT BALL RESTS ON EXISTING OR RECOMPACTED SOIL. SECTION VIEW URBAN TREE FOUNDATION © 2014 OPEN SOURCE FREE TO USE SHRUB ON SLOPE 5% (20:1) TO 50% (2:1) - UNMODIFIED SOIL DETAIL-FILE



HIGHER THAN SURROUNDING FINISHED GRADE. 3 SLOPE FINISHED GRADE AT BACKFILL AWAY FROM ROOT

SHRUB PLANTING

7 BACKFILL MIX, SEE NOTES AND SPECIFICAITONS. 8 NATIVE SOIL MIX FIRMLY COMPACTED.

4 MULCH TO 2" DEPTH AT WATER

DETAIL-FILE

P.O. B 4425 N. C Kitty Hawk, (252)-

C

G

STEP 1

2- LOOSEN SOIL WITH AIR KNIFE OR APPROVED EQUAL TO A DEPTH OF 9 - 12" AND WORK AROUND ENCOUNTERED

3- APPLY 2 - 3" OF COMPOST OVER LOOSENED SOIL. USING AN AIR KNIFE MIX COMPOST INTO LOOSENED SOIL.

URBAN TREE FOUNDATION © 2014 OPEN SOURCE FREE TO USE

MODIFIED EXISTING SOIL - COMPACTED SOIL IN TREE DRIPLIN

FX-PLNT-FX-PREP-SOIL-

SET ROOTBALL CROWN 1 1/2" HIGHER THAN THE SURROUNDING FINISHED GRADE. SLOPE BACKFILL AWAY FROM ROOTBALL FOR POSITIVE DRAINAGE. PLANTING AT SHRUB AREAS. KEEP MULCH 6" - 8" FROM BASE OF TREE. — MULCH WATER WELL AREA TO 3" DEPTH. — 6" HIGH WATER WELL AT SHRUB AREAS. FINISHED GRADE AT ****SHRUBS. ROOTBALL — PLANT TABLETS AS NOTED OR SPEICIFIED. 2X ROOTBALL

-NATIVE SOIL MIX FIRMLY

COMPACTED.

DOUBLE STAKE WITH WIRE: #12
GALVANIZED WIRE THROUGH THE EYE OF "CINCH-TIE" RUBBER

2" DIAMETER LODGEPOLE PINE TREATED TREE STAKES. SET PERPENDICULAR TO PREVAILING

- REMOVE NURSERY STAKE BY THE

1X3 CROSSTIE, AVOID RUBBING

END OF MAINTENANCE.

--- BACKFILL PLANTING AS PER

WITH THE SUPPORT STAKES.

- AVOID DAMAGE TO THE ROOT BALL

INJURY TO TRUNK.

PLANTING DETAIL.

TREE PLANTING DOUBLE STAKE

PLANT PIT DETAIL

STAKING DETAIL

PLANTING AT TURF AREAS.

KEEP TURF CLEAR FOR A 18"_

TREE. MULCH WITH A 3" THICK LAYER OF SHREDDED BARK.

RADIUS CIRCLE AROUND THE

RECESS TURF AREA 1" TO-

FINISHED GRADE AT LAWN.

BACKFILL MIX, SEE NOTES AND SPECIFICATIONS.

15 15 7 AT 7 26" 80X 36"

AT 1 22" 80X 30" E

20" GAL 24" AT 30" BOX

ALLOW FOR MULCH.

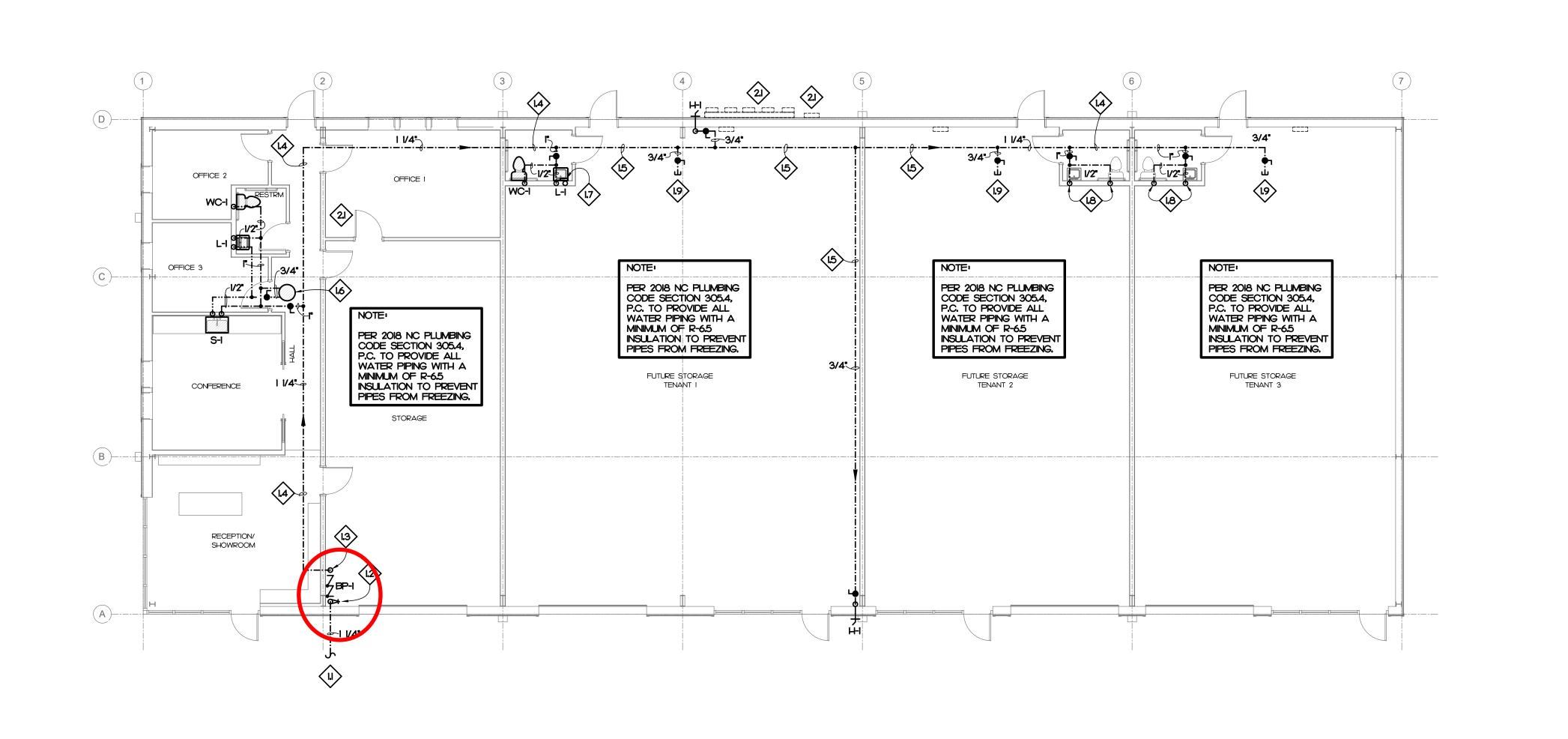
32" AT 15 GALLON

48" AT 24" BOX 60" AT 30" BOX 72" AT 36" BOX HECKED: DRAWN: ROJECT NO: P1121 LS L3 of L3

REMOVE TURF AND WEEDS. EXISTING GRADE BEFORE TREATMENT. - LOOSENED SOIL WITH AIR KNIFE. STEP 2 STEP 3 — APPLY 2 - 3" OF COMPOST AND MIX INTO LOOSENED SOIL. -EXISTING SOIL **SECTION VIEW** 1- PRIOR TO THE START OF WORK REMOVE ALL THATCH, SOD, AND/OR WEEDS.

4- WATER ENTIRE ROOT ZONE AT END OF EACH WORK DAY. 5- SEE PLANTING SOIL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

DETAIL-FILE



PLUMBING KEY NOTES

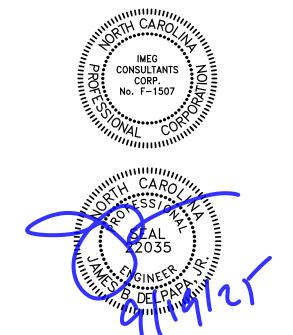
- 1 1/4" COLD WATER PIPE BELOW FINISHED GRADE, PLUMBING CONTRACTOR'S WORK BEGINS 5'-0" OUTSIDE BUILDING, SEE SITE PLAN FOR CONTINUATION.
- (1.2) MAIN SHUT OFF VALVE.
- (1.3) RISE UP TO ABOVE FINISHED CEILING.
- WATER PIPING ABOVE FINISHED CEILING, COORDINATE LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
- WATER PIPING AT CEILING, COORDINATE LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS.
- (16) WATER HEATER (WH-I) LOCATED ABOVE FINISHED CEILING.
- (1.7) WATER HEATER (WH-2) LOCATED ON WALL BELOW LAVATORY.
- (1.8) STUB OUT AND CAP 1/2" WATER AT WALL FOR FUTURE USE.
- (1.9) STUB OUT AND CAP 3/4" WATER AT CEILING FOR FUTURE USE.
- 2.1 ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR.

|cahoon + kasten

ARCHITECTS

118 West Woodhill Drive Nags Head, North Carolina 27959 P. 252.441.0271 F. 252.441.8724 E. office@obxarchitects.com





Coastal Roofing Bldg 2

Project No: **25019**

September 19, 2025

PLUMBING KEY NOTES

- 4" SANITARY SEWER PIPE BELOW FINISHED GRADE, PLUMBING CONTRACTOR'S WORK EXTENDS 5'-0" OUTSIDE BUILDING, SEE SITE PLAN FOR CONTINUATION TO SEPTIC TANK.
- (12) INVERT ELEVATION IS TO BE 2.75' BELOW FINISHED FLOOR.

Location: 8179 Caratoke Hwy. **Powells Point, NC** PLUMBING PLANS

Scale: As Indicated

The designer shall not be responsible for any error, omission, defect or deficiency in the contract documents ("error") prepared by the designer or its consultants which in any way impacts the schedule of the project, results in a lack of coordination among the contract documents, delays the completion of the project or which in any other way causes any damage or loss to the owner, contractor, subcontractors, or other entity involved in the project, unless: (i) designer is promptly notified of such error, in any event within 14 days of the date such error was discovered or could reasonably have been discovered; and (ii) designer is given opportunity at the time of discovery to address such error, and, if appropriate, take such steps as are necessary to correct and resolve it. Failure to comply with the provisions of this paragraph shall constitute a waiver of any claim for damages, or a right to offset against designer by owner, contractor or others and shall in no event cause or allow a reduction in the fees otherwise due designer for services provided on the

Revisions:

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Description

Designed: DRD Reviewed: JBD Cad File:

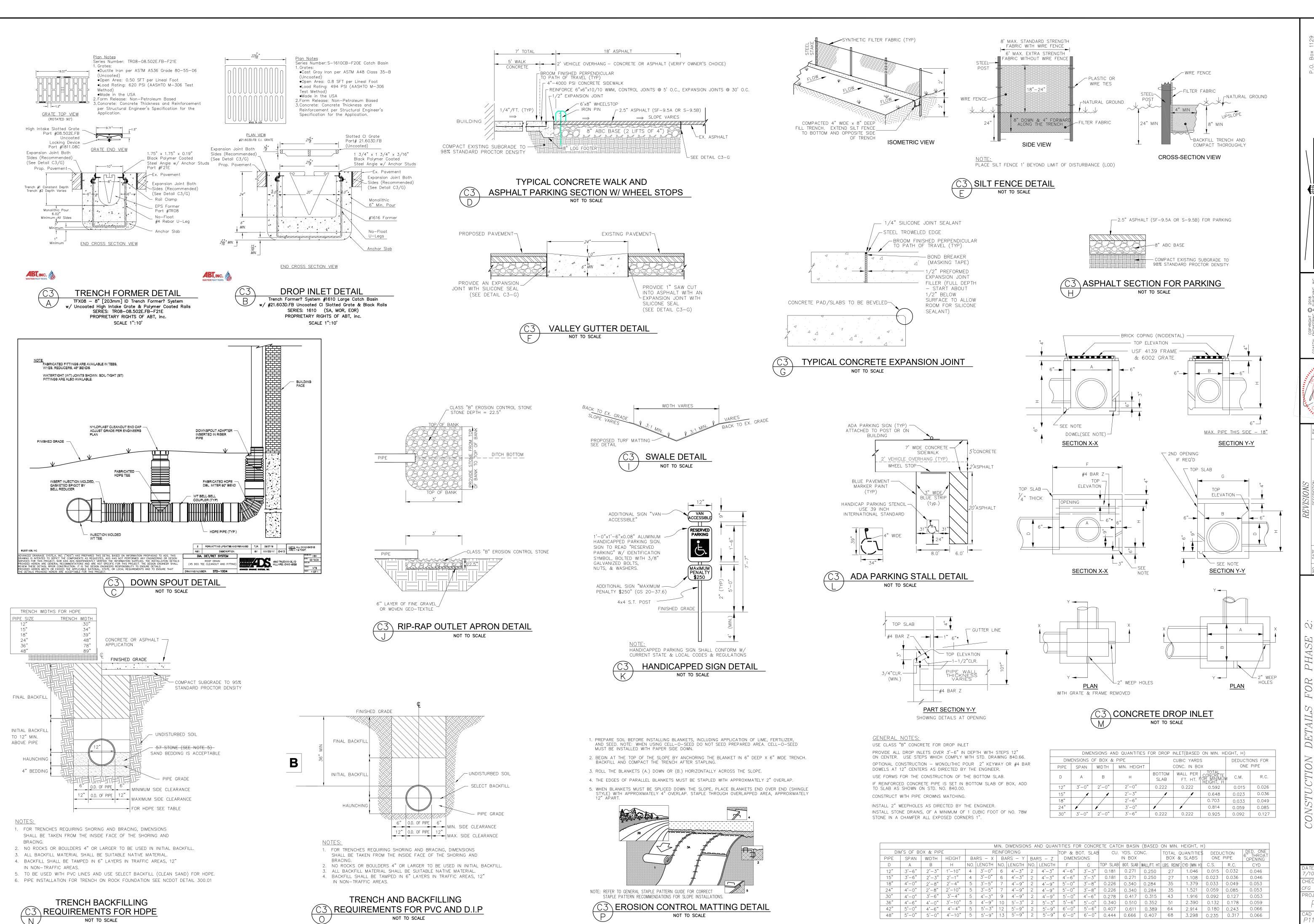
(13) SANITARY SEWER PIPE BELOW FINISHED FLOOR. STUB AND CAP WASTE PIPE FOR FUTURE USE. OFFICE 2 WC-I OFFICE 3 FUTURE STORAGE FUTURE STORAGE FUTURE STORAGE TENANT 3 TENANT 2 STORAGE RECEPTION/ SHOWROOM

WASTE PIPING PLAN

WATER PIPING PLAN

<u>C</u>

(B)---

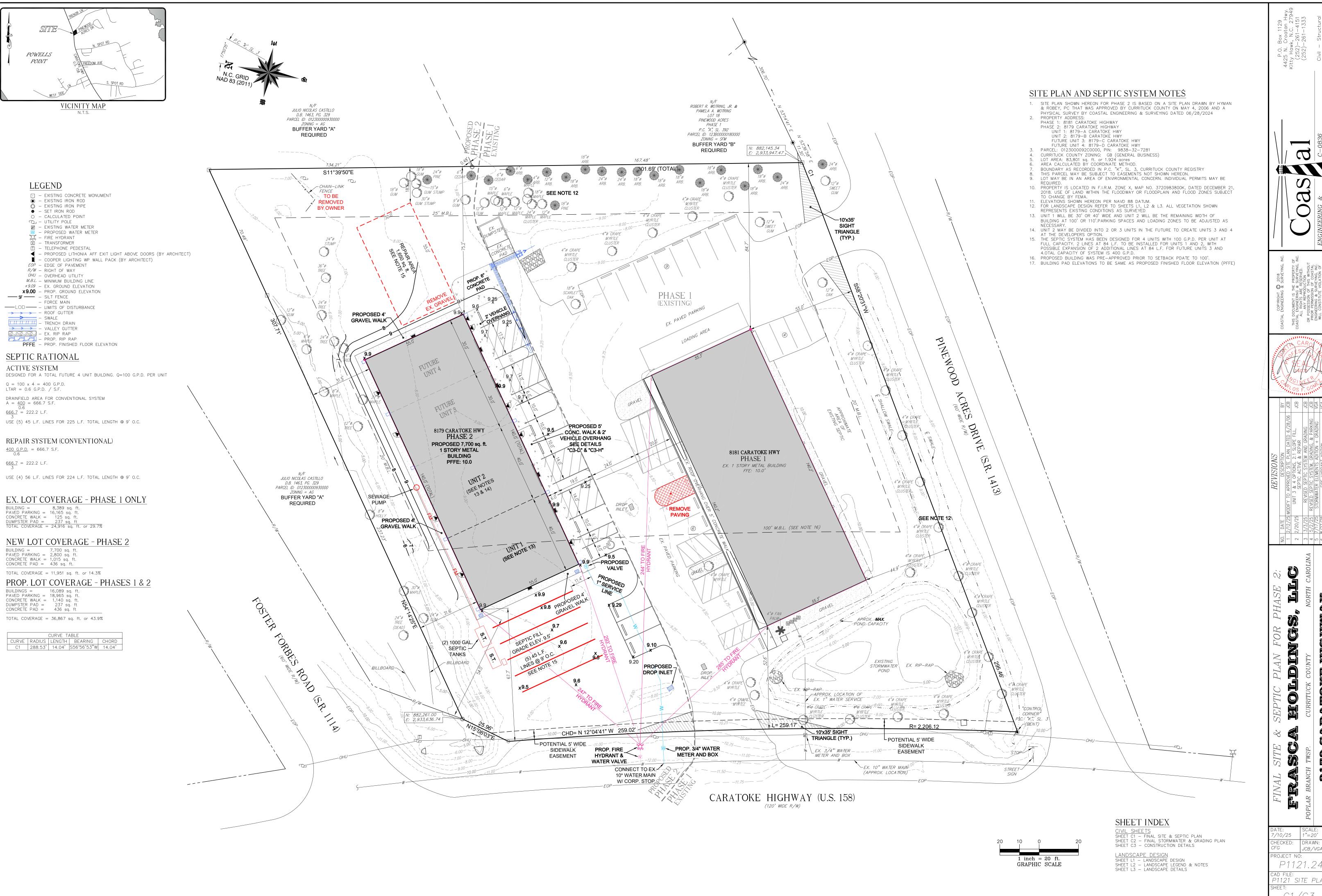


JCB/VGA

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CHECKED: DRAWN: P1121.24 P1121 SITE PLAI



u 0

JCB/VGA P1121.24 P1121 SITE PLAN C1/C3

	Page 1/3						
	NFF = (Ci)(Oi)(Xi+Pi)						
		C=18F(Ai)^0.5					
Address:	8181 Caratoke Hwy, Powells Point, NC						
Project Name:	Coastal Roofing		Occupancy Type:				
Construction Type	Non-Combustible		Number of Stories:		1		
	*						
STEP 1	Take the area, which is 100% sq. ft. of the first floor plus the following percentage of the total area of the other floors.						
	First Floor Area in Sq. Ft	7700	Sq. Ft. @ 100	0%			
	Additional Floors						
	Enter total area in sq. ft for all other floors	0					
			_				
	Total Area Entire Building	7700					
STEP 2							
		+: d - + -	منتنظ اممستمست	: .a. a. & la. a.			
	F = Coefficient related to the class of construction as determined by using the						
	construction type found in SBCCI						
	Construction Type	Class	F Value				
	Frame	1	1.5				
	Joist Masonry	2	1				
	Non-combustible	3	0.8				
	Heavy Timber	4	0.8				
	Modified fire resistance	5	0.6				
	Fire resistive	6	0.6				
	Construction Class	3					
	Square Root of the Area x F x 18	1250	= C Value				

	FIRE & RESCUE	Page 2/3		
	ISO Fire Flow Worksheet			
STEP 3	Multiply result of rounded off GPM by the Occupancy Factor (Oi)	Occupancy Factor		
	Noncombustible (C-1) = No active fuel loads such as storage of asbestos, clay, glass, marble, stone, or metal products.			
	Limited - Combustible (C-2) = Limited fuel loads such as airports, apartments, art studios, auto repair, auto showroom, aviaries, banks, barber shops, beauty shops, churches, clubs, cold storage warehouses, day care center, educational occupancies, gas stations, green houses, health clubs, hospitals, jails, libraries, medical labs, motels, museums, nursing homes, offices, radio stations, recreation centers, and rooming houses.	0.85		
	Combustible (C-3) = Moderate fuel loads such as auto part stores, auto repair training center, bakery, bookstores, bowling centers, casinos, commercial laundries, contractor equipment storage, dry cleaners with no flammable fluids, leather processing, municipal storage buildings, nursery sales stores, pavilions, pet shops, photographic supplies, printers, restaurants, shoe repair, supermarkets, theaters, vacant buildings, and most wholesale & retail sales ocuppancies.	1.0		
	Free-Burning (C-4) = Active fuel loads such as aircraft hangers, cabinet making, combustible metals, dry cleaners using flammable fluids, feed stores, furniture stores, kennels, lumber, packaging and crating, paper products manufacturing, petroleum bulk distribution centers, tire manufacturers, tire recapping or retreading, wax products, and wood working shops.			
	Rapid-Burning (C-5) = Contents that burn with great intensity, spontaneously ignite, have flammable or explosive vapors, or large quantities of dust such as ammunition, feed mills, fireworks, flammable compressed gases, flammable liquids, flour mills, highly flammable solids, matches, mattress factories, nitrocellulose-based products, rag storage, upholstery shops, & waste paper storage.			
	Occupancy Class Selected (1 thru 5)			
	GPM x Oi 1250			

	Page 3/3							
STEP 4								
	Distance (feet to the exposed building)	Xi	>3 stories					
	0-10	0.22	0.47					
	11-30	0.18	0.43					
	31-60	0.13	0.38					
	61-100	0.09	0.34					
	Distance, in feet, to the exposed building	101	1					
		101						
	Xi (from table)	0]					
	Multiply GPM from step 4 by (1+Xi)							
	. , ,							
	Total From Step 4	1250	1					
	Total From Gtop T	1200						
STEP 5	Approved Fire Sprinkler System? (Y or N)	n]					
Take fire flow from step 5 and multiply by sprinkler credit of 0.25 Sprinkler credit 0								
	Now subtract sprinkler credit from fire flow in step 4							
	NEEDED FIRE FLOW	1250	GPM					
				1				