VICINITY MAP

Not To Scale

CAROLINA MARINE TERMINAL TERMINAL EXPANSION

3330 RIVER ROAD WILMINGTON, NORTH CAROLINA

ISSUE FOR TRC REVIEW

APRIL 29, 2015

OWNER / DEVELOPER:

ALTAMAR, INC. 3330 RIVER ROAD WILMINGTON, NC 28412

OWNER'S DESIGNATED REPRESENTATIVE: MICHAEL MCCARLEY, PRESIDENT ALTAMAR, INC. mike@admci.com (910) 395-4777

PROJECT ENGINEER / REPRESENTATIVE:

J. BRANCH SMITH, PE McKIM & CREED, INC. 243 NORTH FRONT STREET WILMINGTON, NORTH CAROLINA 28401 brsmith@mckimcreed.com (910) 343-1048

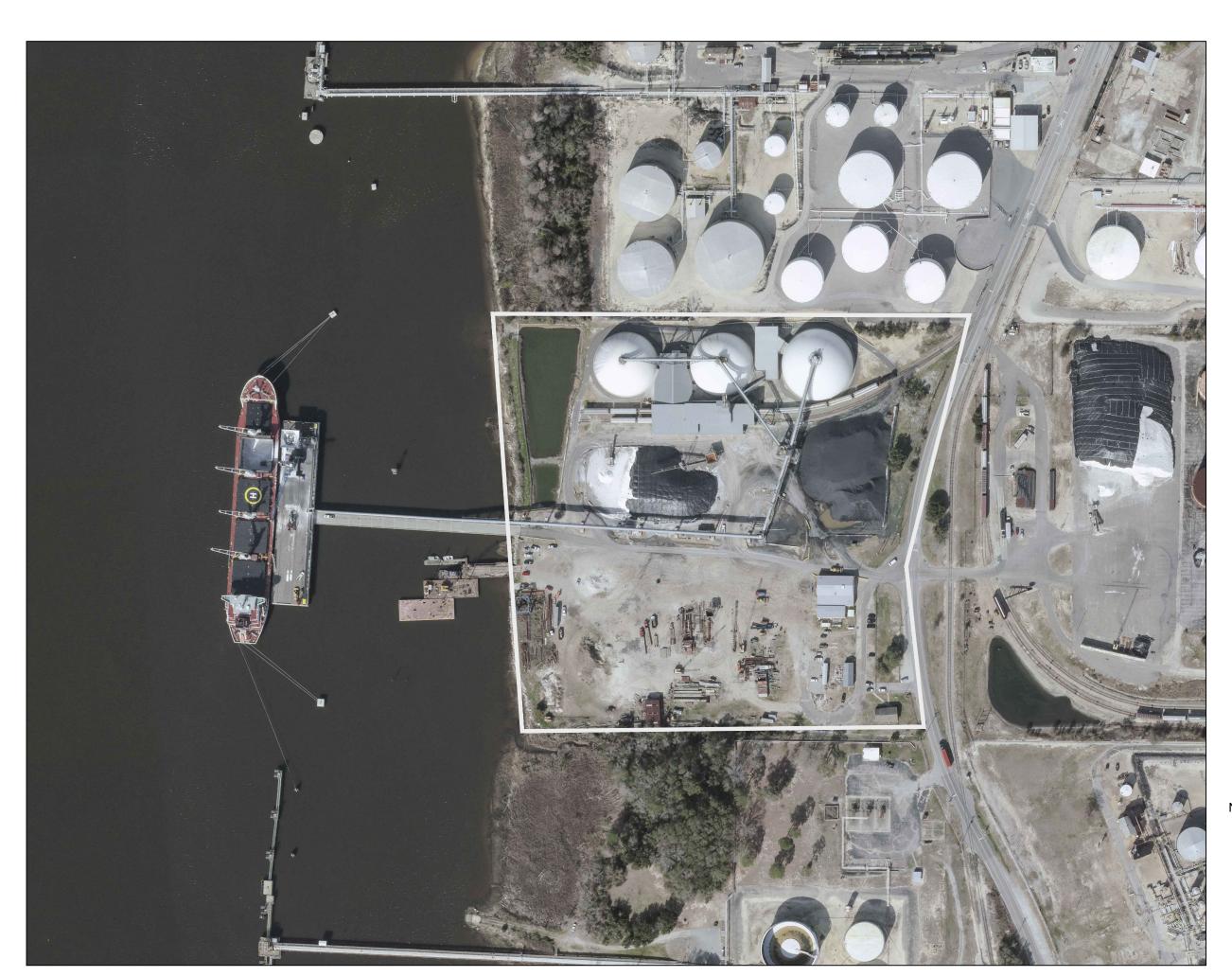
PROJECT ADDRESS: 3330 RIVER ROAD WILMINGTON, NC 28412

TAX PARCEL IDENTIFICATION NUMBER: R06400-001-004-000

PROPERTY ZONING: IND - INDUSTRIAL

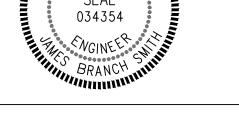
Know what's below.

Call before you dig.



PROJECT AERIAL SCALE: 1" = 200'

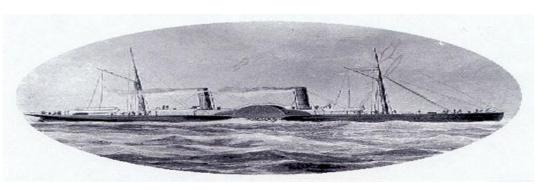




ISSUED FOR REVIEW



Wilmington, North Carolina 28401 Phone: (910)343-1048, Fax: (910)251-8282 NC LICENSE NO. F-1222 www.mckimcreed.com



CAROLINA MARINE TERMINAL

SHEET INDEX

SHEET#	FILE #	DESCRIPTION
G-0		COVER SHEET
G-1	CP101	OVERALL SITE INVENTORY PLAN
G-2	CP102	DOMES #8 - #10 SITE PLAN
C-1	CG101	GRADING, DRAINAGE, & EROSION CONTROL PLAN
C-2	CE501	EROSION CONTROL DETAILS
C-3	CI 101	I ANDSCADE DI AN

CITY OF WILMINGTON STANDARD NOTES

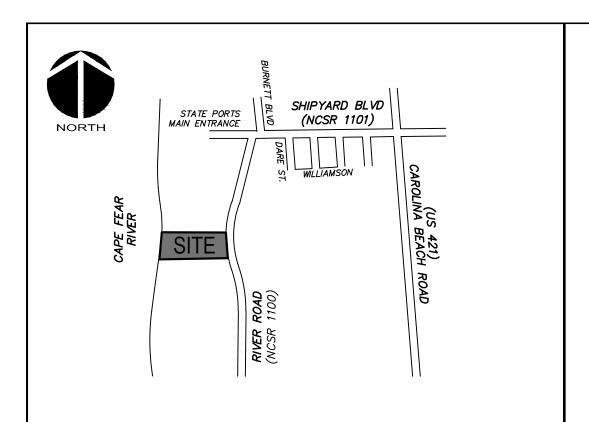
- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION
- 2. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE
- 3. ONCE PUBLIC STREETS ARE OPEN TO TRAFFIC, THE DEVELOPER SHALL CONTACT
- 4. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- 5. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS, AND CURBING SHALI
- 6. CONTACT KAREN DIXON AT (910) 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- 7. IF THE CONTRACTOR DESIRES WATER FOR CONSTRUCTION HE SHALL APPLY WITH THE
- SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. CALL TRAFFIC ENGINEERING FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY
- 9. TACTILE WARNING MATS ARE TO BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- 10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL
- 11. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OUTSIDE THE PUBLIC RIGHT-OF-WAY ARE
- 12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION
- 13. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY UTILITY.
- 14. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND
- 15. PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS NCDOT/CITY OF WILMINGTON WILL NOT ALLOW THESE OBSTRUCTIONS WITHIN THE

STORMWATER MANAGEMENT PLAN **APPROVED**

CITY OF WILMINGTON ENGINEERING DEPARTMENT DATE PERMIT# SIGNED

Approved Construction Plan			
<u>Name</u> <u>Date</u>	<u>!</u>		
Planning			
Traffic			
Fire			

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

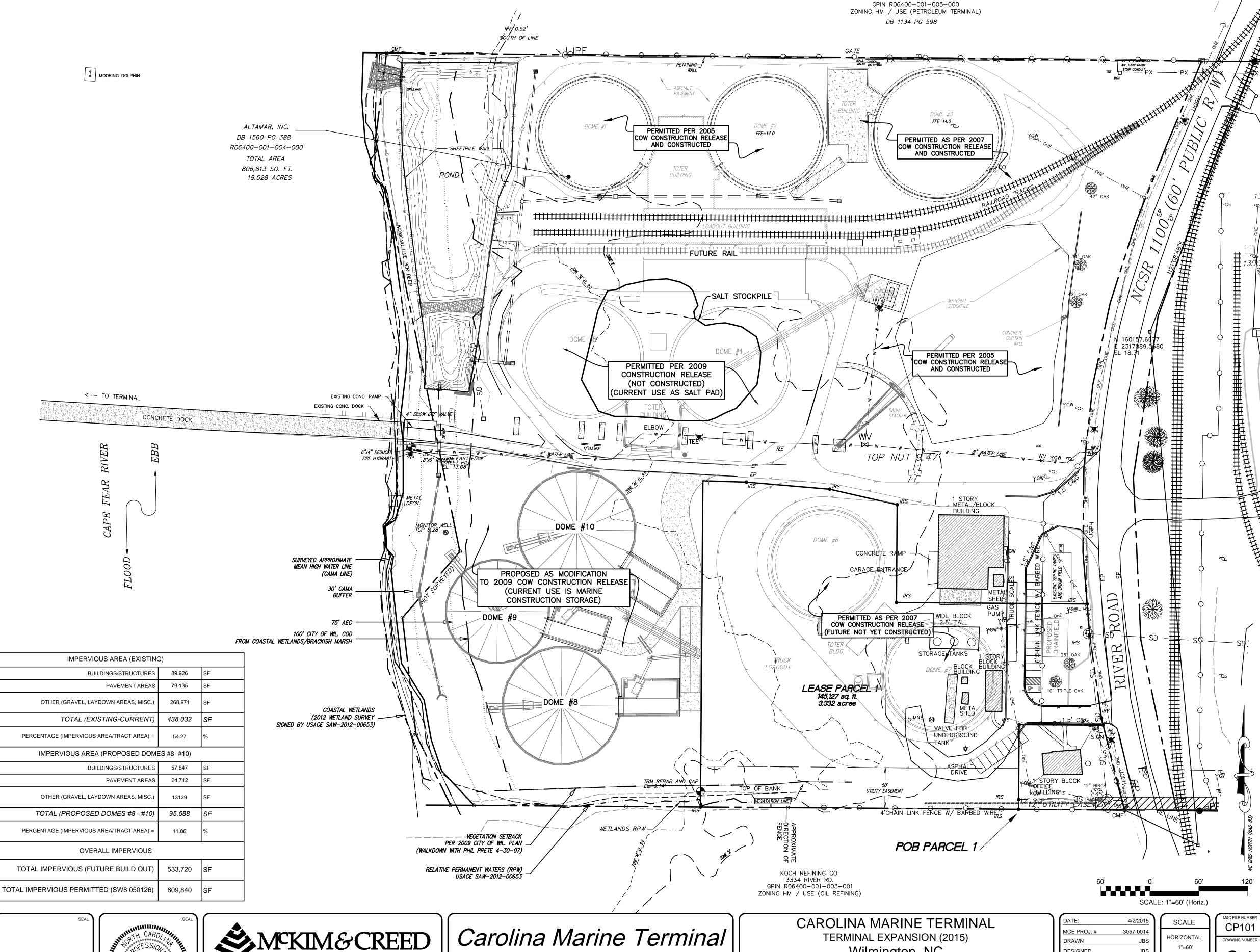


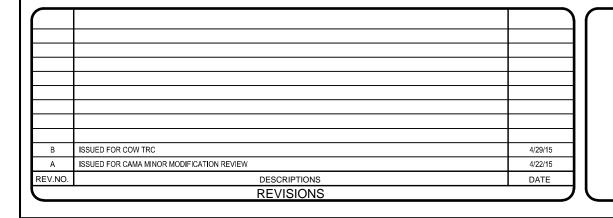
VICINITY MAP

Not To Scale

SITE INVENTORY GENERAL INFORMATION

- 1. Applicant name: ALTAMAR, INC...
- 2. Site address of the development: 3330 RIVER ROAD, WILMINGTON, NORTH
- **3. Property owner:** ALTAMAR, INC.
- 4. Name of developer: CAROLINA MARINE TERMINAL, INC.
- 5. Property boundary. Indicate minimum Tax Parcel information or boundary survey, or deed composite: INDICATED ON THIS DRAWING / PARCEL ID R06400-001-004-000
- 6. Indicate the zoning of the property: PROPERTY ZONED IND
- 7. Adjacent property information, including owner and zoning: OWNERS INDICATED ON THIS DRAWING, ZONING IS IND
- 8. Vicinity map in relation to the site: INDICATED ON THIS DRAWING
- 9. Topography of the site in one (1) foot intervals: MCKIM & CREED FIELD SURVEYS (2005-2015)
- 10. Approximate location of 100—year flood plain boundary. Note areas with a history of flooding: INDICATED ON THIS DRAWING
- 11. Locate existing ditches, creeks, and streams and their classification (i.e. intermittent, perennial, C (SW), ORW, etc): INDICATED ON THIS DRAWING; CAPE FEAR RIVER (Sc Classification)
- 12. Indicate the types of soils as referenced in the most recent book of Soil Survey of New Hanover County, North Carolina by the US Department of Agriculture and Natural Resource Conservation Service: MOSTLY (Ur) / SMALL AMOUNT NEAR RIVER CONSISTING OF (Be) & (Do)
- 13. Locate any CAMA areas of concern (AEC) and associated setbacks: INDICATED ON THIS DRAWING
- 14. Identify the CAMA land classification from the Wilmington—New Hanover County Comprehensive Plan: CONSERVATION & URBAN
- 15. Indicate the presence or non-presence of Conservation Resources: 100' SETBACK (CITY) AS INDICATED ON THIS DRAWING
- 16. Indicate whether or not the site is recognized as a local, state or federally historic or archaeological site: NONE
- 17. Indicate the location of cemeteries, burial sites, or burial grounds: NONE
- 18. Delineate aerial extent of forested areas, indicated areas in square feet or acres, and note habitat and dominant species within stands: NONE
- 19. Delineate the approximate location of U.S. Army Corps of Engineers Section 404 wetlands and Section 10 waters: INDICATED ON THIS DRAWING
- 20. Indicate the presence of protected species or habitat information available from the U.S. Fish and Wildlife Service and N.C. natural heritage inventory: NO PROTECTED SPECIES OR HABITAT ON SITE
- 21. Indicate the presence or non-presence of existing or proposed thoroughfares, bike routes, pedestrian sidewalks or trails and transit facilities: INDICATED ON
- 22. FLOOD ZONE INFO: Property lies in ZONE 'AE' EL 9 (base flood elevation determined), ZONE 'X OTHER' (areas of 0.2% ANNUAL CHANCE FLOODPLAIN), and ZONE 'X' (areas determined to be outside the 0.2% ANNUAL CHANCE FLOODPLAIN) as scaled from FIRM MAP Number 3720311500k and 3720311600K Dated June 02, 2006. Vertical Datum is NAVD 88 (to convert from NGVD 29 to NAVD 88, subtract 0.95').









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License: F-1222

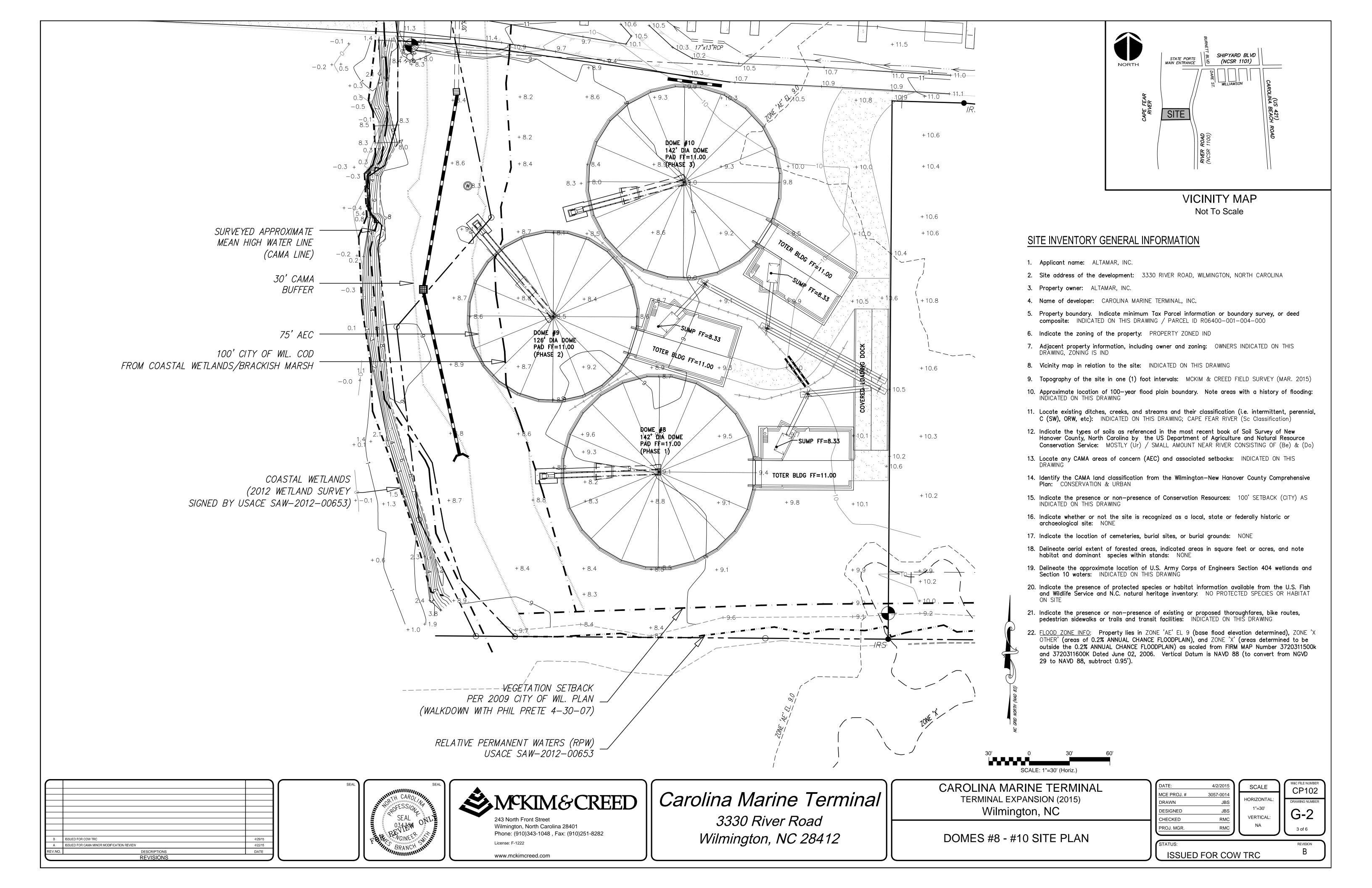
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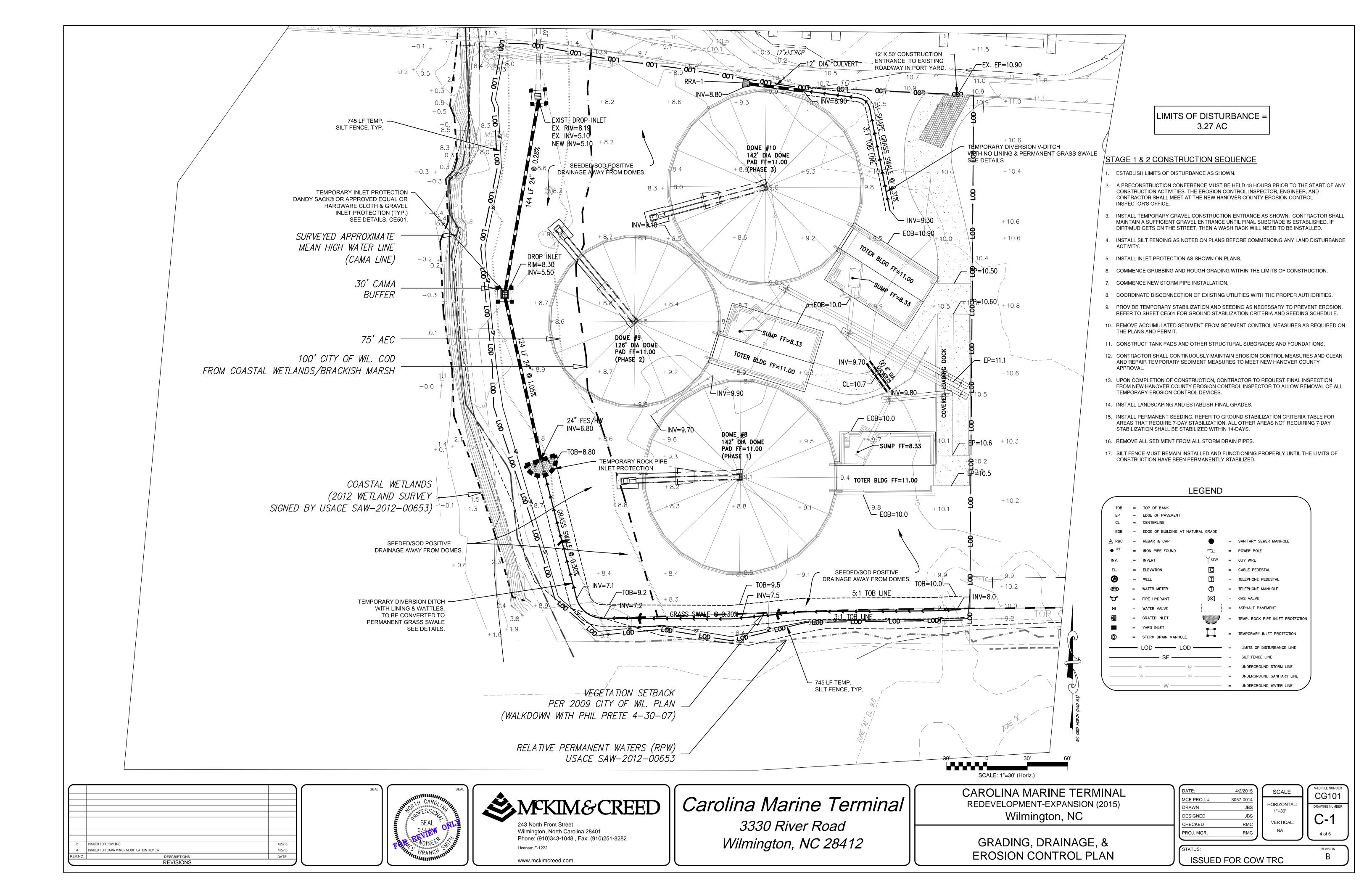
3330 River Road Wilmington, NC 28412 Wilmington, NC

3314 RIVER RD.

OVERALL SITE INVENTORY PLAN

DESIGNED G-1 VERTICAL: CHECKED RMC PROJ. MGR. REVISION ISSUED FOR COW TRC



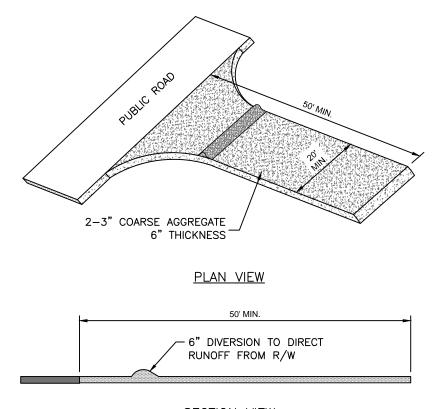


EROSION CONTROL NOTES

- CLEAR AND REMOVE FROM SITE ALL TREES, SHRUBS, ROOTS, ROOT MAT, ETC. FROM THE AREA WITHIN DESIGNATED CLEARING LIMITS. DO NOT DISTURB INSIDE TREE PROTECTION FENCING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORING TO PRE-CONSTRUCTION CONDITIONS ANY AREAS OUTSIDE THE PROJECT LIMITS THAT MAY INADVERTENTLY BE DAMAGED DUE TO THE FAILURE OF THE EROSION MEASURES DURING GRADING AND AFTER GRADING HAS BEEN COMPLETED.
- CONTRACTOR SHALL CONTINUE TO MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL INSPECTION AND APPROVAL BY THE ENGINEER OR NEW HANOVER COUNTY INSPECTOR, IF REQUIRED.
- PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO TOOLS, STOCKPILES, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- 5. IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY & ANY RELATED BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY SHALL CONSTITUTE PART OF THE LAND-DISTURBING ACTIVITY UNLESS THE BORROW OR WASTE ACTIVITY IS REGULATED UNDER THE MINING ACT OF 1971, OR IS A LANDFILL REGULATED BY THE DIVISION OF WASTE MANAGEMENT. IF THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY ARE NOT CONDUCTED BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND-DISTURBING ACTIVITIES AND MUST BE PERMITTED EITHER THROUGH THE SEDIMENTATION POLLUTION CONTROL ACT AS A ONE-USE BORROW SITE OR THROUGH THE
- 6. CONTACT PERSON SHOULD ISSUES ARISE DURING EROSION AND SEDIMENT CONTROL OPERATION: ANDY TOMLIN @ 910-395-4777

EROSION CONTROL MAINTENANCE

- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
- ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES/EXITS THAT WILL BE PERIODICALLY TOP-DRESSED WITH 2-3" COARSE STONE TO MAINTAIN 6" THICKNESS. ENTRANCES/EXITS WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCE/EXIT OR PUBLIC ROADWAYS. (NCDENR PRACTICE 6.06)
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF-FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING, STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED. (NCDENR PRACTICE 6.62)
- SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTIONS WHEN THE SEDIMENT REACHES HALF OF THE DEPTH TO THE TOP OF THE ROCK. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT CONTROL MEASURE NO LONGER DRAINS AS INTENDED. REMOVE DEBRIS FROM THE ROCK AS NECESSARY TO ALLOW FOR PROPER DRAINAGE. (NCDENR PRACTICES 6.51)
- ALL SEEDED AREAS WILL BE FERTILIZED, RE-SEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, SHORT. FLAT SLOPES (FLATTER THAN 3:1 AND LESS THAN 50') LEFT EXPOSED WILL, WITHIN 14 CALENDAR DAYS OF COMPLETION OF ANY GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OF PERMANENT GROUND COVER, DEVISES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION. ALL OTHER AREAS SHOULD BE STABILIZED WITHIN 7 DAYS AFTER ANY PHASE OF ACTIVITY.
- INSPECT DIVERSION DITCHES AND MAKE REPAIRS IF NECESSARY. REMOVE SEDIMENT ACCUMULATION DURING CONSTRUCTION. IF ROLLED EROSION CONTROL BLANKETS OR OTHER LININGS ARE SPECIFIED FOR THE DIVERSION DITCHES AND SWALES, MAINTAIN LINING FOR TEMPORARY MEASURES. INSPECT WATTLES AND REMOVE SEDIMENT ACCUMULATION OR DEBRIS BEHIND WATTLES. REGRADE DITCHES IF WATER WASHES OUT AROUND WATTLES AND REPLACE WATTLES AS NECESSARY (NCDENR PRACTICES 6.17, 6.20, 6.21, AND
- INSPECT CHECK DAMS AND MAINTAIN DESIGN DIMENSIONS AS NECESSARY. REMOVE SEDIMENT ACCUMULATION OR DEBRIS BEHIND CHECK DAMS AND REGRADE DITCHES IF WATER WASHES OUT AROUND CHECK DAMS. REPLACE SEDIMENT CLOGGED FILTER GRAVEL ON CHECK DAMS AND ROCK INLET PROTECTIONS. MAINTAIN DESIGN DIMENSIONS FOR ROCK INLET PIPE PROTECTION AND OUTLET PROTECTIONS. (NC PRACTICES 6.87, 6.55, AND 6.41)



TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE NCDENR PRACTICE STD. 6.06

ISSUED FOR CAMA MINOR MODIFICATION REVIEW

- 1. ALL DISTURBED AREAS SHALL BE DRESSED TO THE EXISTING TYPICAL SECTION AND TILLED OR RIPPED TO A MIN. DEPTH OF 4-INCHES. THE TOP 2 INCHES SHALL BE PULVERIZED TO PROVIDE A UNIFORM SEEDBED.
- 2. LIME AND FERTILIZER SHOULD BE INCORPORATED INTO THE SOIL PRIOR TO SEEDING OR SOD. FOLLOW SOIL TESTS OR AS FOLLOWS: AGRICULTURAL LIMESTONE - 2 TONS/ACRE FERTILIZER - 1000 LBS/ACRE (10-10-10) SUPERPHOSPHATE - 500 LBS/ACRE (20%) MULCH - 2 TONS/ACRE (SMALL GRAIN STRAW)

VEGETATION PLAN SPECIFICATIONS

ANCHOR - ASPHALT EMULSION AT 450 GAL/ACRE

- 3. FOR OPEN AREAS, USE STRAW MULCH AS A MINIMUM FOR STABILIZATION IF THE AREAS CANNOT BE SEEDED ACCORDING TO THE PLANTING DATES. OTHER MULCHING PRACTICES ARE LISTED IN SECTION 6.14 OF THE EROSION CONTROL MANUAL FOR MULCHING.
- 4. FOR DITCHES AND SLOPES, USE EXCELSIOR MATTING AS A MINIMUM FOR STABILIZATION IF THE AREAS CANNOT BE SEEDED ACCORDING TO THE PLANTING DATES. OTHER MATTING PRACTICES ARE LISTED IN SECTION 6.14 OF THE EROSION CONTROL MANUAL FOR MULCHING.
- CHEMICAL STABILIZERS MAY BE USED. BUT IT IS NOT RECOMMENDED FOR VEGETATION GROWTH. REFER TO THE EROSION CONTROL MANUAL FOR A LIST OF STABILIZERS AND FOLLOW MANUFACTURER'S SPECIFICATIONS.
- THE FOLLOWING TABLES ARE REFERENCED FROM NC EROSION CONTROL MANUAL SEC. 6.10 AND 6.11, AND THE STABILIZATION TABLE IS REFERENCED FROM NPDES NCG 010000.

TEMPORARY SEEDING					
AMOUNT/ 1000 S.F.	TIME OF SEEDING	INITIAL			
1-2 LBS.	APRIL - JUNE	25 LBS. 10-10-10			
1-2 LBS	JUNE - AUGUST	25 LBS 10-10-10			
	AMOUNT/ 1000 S.F. 1-2 LBS.	AMOUNT/ TIME OF 1000 S.F. SEEDING 1-2 LBS. APRIL - JUNE			

PERMANENT SEEDING					
GRASS TYPE	AMOUNT/ 1000 S.F.	TIME OF SEEDING	INITIAL		
BERMUDA, COMMON	1-2 LBS.	APRIL - JUNE	25 LBS. 10-10-10		
FESCUE, TALL (KENTUCKY 31)	5-7 LBS	JUNE - AUGUST FEB OCT.	25 LBS 10-10-10		
SERICEA LESPEDEZA (SLOPES)	1-2 LBS	MARCH - APRIL	25 LBS 10-10-10		

NPDES PERMIT NCG 010000 PLAN NOTES:

- 1. ACCORDING TO NPDES NCG 010000 EFFECTIVE AUGUST 3, 2011: THE PLANS SHALL CONFORM TO GROUND STABLIZIATION REQUIREMENTS OF SECTION II.B.2 GROUND STABILIZATION.
- 2. ACCORDING TO NPDES NCG 010000 EFFECTIVE AUGUST 3, 2011: THE SEDIMENT BASINS SHALL CONFORM TO SURFACE WITHDRAWAL REQUIREMENTS OF SECTION II.B.4 SEDIMENT BASINS.

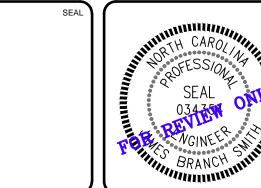
GROUND STABILIZATION CRITERIA					
SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME EXCEPTIONS			
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE			
HIGH QUALITY WATER ZONES	7 DAYS	NONE			
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10 FT OR LESS IN IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED			
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FT IN LENGTH			
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)			

JUTE LINER & PERMANENT SEED/SOD

- AS INDICATED THE FIRST TIME.
- 2. LINING SHALL BE JUTE OR BIODEGRADABLE MATTING AND INSTALLED ACCORDING TO NCDENR STD. EROSION CONTROL

TEMPORARY DIVERISON DITCH

NCDENR PRACTICE STD. 6.22



4/22/15



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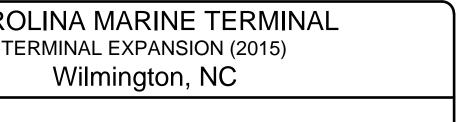
Phone: (910)343-1048, Fax: (910)251-8282 License: F-1222

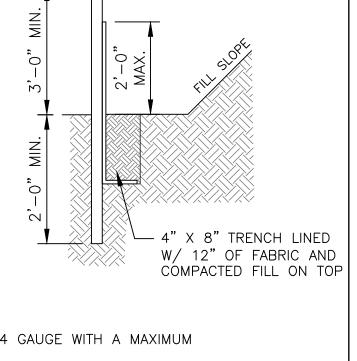
Carolina Marine Terminal 3330 River Road Wilmington, NC 28412

PERMANENT GRASS SWALE

TERMINAL EXPANSION (2015) Wilmington, NC

EROSION CONTROL DETAILS





-STEEL POST

8' MAX. STD. STRENGTH FABRIC W/ WIRE FENCE

TOP STRAND MIN. #14 GAUGE

STAY AND LINE WIRES MIN. #14 GAUGE

BOTTOM STRAND MIN. #14 GAUGE

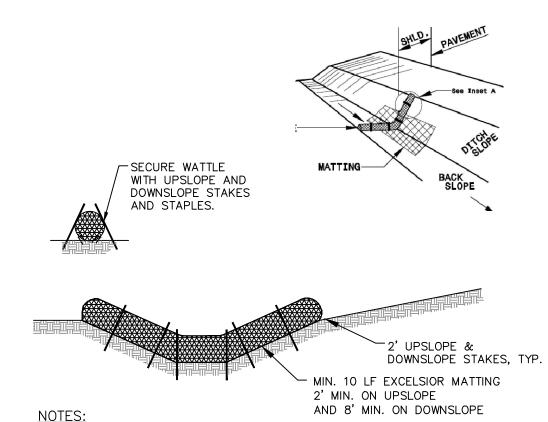
- WIRE FENCE (IF USED) SHALL BE MINIMUM 14 GAUGE WITH A MAXIMUM MESH OPENING OF 6-INCHES.
- SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFIN'S OR POLYESTER, WHICH IS CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS IN ASTM D 6461 AND ALSO SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS ACCORDING TO ASTM D 4355.
- SEE THE NC EROSION CONTROL MANUAL FOR SPECIFICATIONS INSTALLING SEDIMENT FENCE USING THE SLICING METHOD MACHINERY.

TEMPORARY SILT FENCE

NOT TO SCALE NCDENR PRACTICE STD. 6.62

12" MIN. THICK -OF NCDOT #5 OR

NCDENR PRACTICE STD. 6.55



1. USE MINIMUM 12" DIA. EXCELSIOR WATTLE

STEEL POSTS 2 FT IN

19-GAUGE & 0.25" MESH

CLOTH EXTENDS MIN. 2

OPENING HARDWARE

FT ABOVE GROUND.

MAX. 4-FT

- NCDOT #5 OR #57 WASHED

@ 2:1 SLOPE.

GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE

2. SURROUND THE POSTS WITH AT LEAST 19-GAUGE HARDWARE CLOTH WITH

A 1/4-INCH MESH OPENING. SECURE THE WIRE MESH TO THE STEEL

POSTS AT THE TOP, MIDDLE, AND BOTTOM FOR A MIN. 2 FEET ABOVE

UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.

THE GROUND. PLACING A 2-FOOT FLAP OF THE WIRE MESH UNDER THE

THE TOP ELEVATION OF THE STRUCTURE MUST BE AT LEAST 12-INCHES

LOWER THAN THE SURROUNDING GROUND ELEVATION DOWNSLOPE FROM THE INLET TO ENSURE THAT STORM FLOWS GET INTO THE INTENDED

INLET; UNLESS OTHER SEDIMENT-CONTROL DEVICES ARE INSTALLED TO

THE USE OF INLET SACK BAGS OR PYRAMID SHAPED

STEEL STRUCTURES MAY BE USED AS AN ALTERNATE

MEASURE DEVICE. CONTACT TRIANGLE STORMWATER

TEMPORARY INLET PROTECTION

SOLUTIONS OR OTHER MANUFACTURERS.

DRIVE 5-FOOT STEEL POSTS (1.25 lb/lf steel) 2 FEET INTO THE

PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET APART.

GRAVEL FOR ANCHORING AND REMOVAL IS RECOMMENDED.

PREVENT OFF-SITE SEDIMENT-RUNOFF.

ALTERNATE MEASURE:

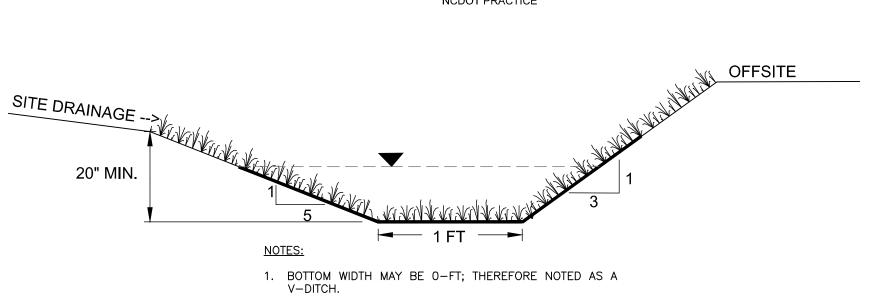
NCDENR PRACTICE STD. 6.51

STONE PLACED TO A HEIGHT OF

16" MINIMUM ABOVE TOP OF BOX

- 2. USE 2"x2" WOODEN STAKES 2-FT IN LENGTH ON THE UPSLOPE AND DOWNSLOPE
- 3. STAPLE EVERY 1 LF ON BOTH SIDES OF THE WATTLE TO SECURE IT TO THE

TEMPORARY WATTLE (CHECK DAM) NOT TO SCALE NCDOT PRACTICE



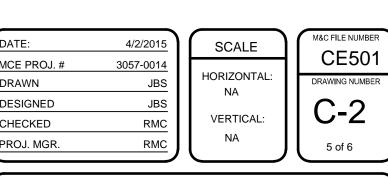
CAROLINA MARINE TERMINAL

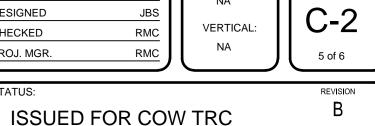
SCALE MCE PROJ. **HORIZONTAI** VERTICAL: RMC CHECKED

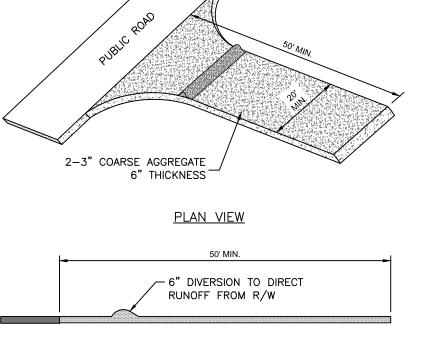
B EROSIO CONTROL STONE

TEMPORARY ROCK PIPE INLET PROTECTION

Riprap Headwall, 1' min







SECTION VIEW

DESCRIPTIONS

REVISIONS

1. TEMP. DIVERSION DITCHES SHALL BE CONVERTED INTO PERMANENT CONVEYANCE SWALES THEREFORE LOCATE

