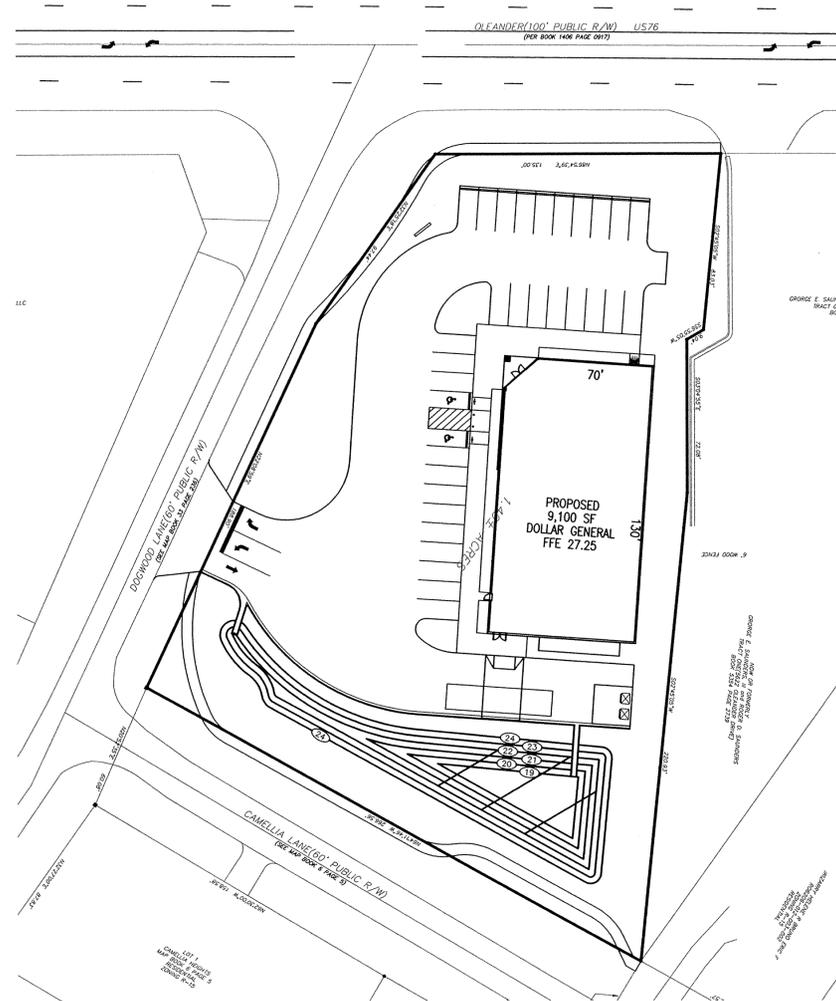


# DOLLAR GENERAL

## NEW HANOVER COUNTY, NORTH CAROLINA



### INDEX OF SHEETS

- C0 COVER SHEET
- C1 SITE INVENTORY SURVEY
- C2 DEMO PLAN
- C3 GRADING, DRAINAGE & EROSION CONTROL PLAN
- C4 LAYOUT PLAN
- C5 UTILITY PLAN
- C6 DETAILS
- C7 DETAILS
- C8 DETAILS
- C9 DETAILS
- DA DRAINAGE AREA PLAN

- SITE DATA**
- PROPERTY OWNER:** GEORGE E. SAUNDERS, III  
 1035 WRIGHTSVILLE BEACH, NC
  - DEVELOPER:** RHETSON COMPANIES, INC.  
 PAR 3 DEVELOPMENT, LLC  
 2860-B NC HWY 5  
 ABERDEEN, NC 28315
  - ENGINEER:** NORRIS & TUNSTALL CONSULTING ENGINEERS, P.C.  
 1127 FLORAL PARKWAY, SUITE 400  
 WILMINGTON, NC 28403  
 PHONE: (910) 287-5900  
 FAX: (910) 287-5902  
 CONTACT: PHIL NORRIS  
 EMAIL: pnorris@ntengineers.com
  - TAX MAP NUMBER:** R06206-012-004-000
  - ACREAGE:** 1.49
  - ZONING:** C3
  - PROPOSED USE:** RETAIL STORE
  - UTILITIES:** PUBLIC SEWER  
 PUBLIC WATER
  - SURVEYOR:** MICHAEL UNDERWOOD & ASSOCIATES
  - BUILDING:** COMMERCIAL BUILDING  
 9,100 SF  
 ONE STORY  
 HEIGHT: FRONT 20'
  - FEMA FLOOD PLAIN:** N/A

**STORMWATER MANAGEMENT PLAN**  
**APPROVED**  
 CITY OF WILMINGTON  
 ENGINEERING DEPARTMENT  
 DATE \_\_\_\_\_ PERMIT # \_\_\_\_\_  
 SIGNED \_\_\_\_\_

**DRAINAGE PLAN**  
**APPROVED**  
 CITY OF WILMINGTON  
 STORMWATER DISCHARGE  
 PERMIT NOT REQUIRED  
 SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**Approved Construction Plan**

Name _____	Date _____
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.

1 inch

SYMBOL	DATE	DESCRIPTION	BY
REVISIONS			
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**DOLLAR GENERAL**  
**DOLLAR GENERAL - DOGWOOD**  
**233 DOGWOOD LANE**  
 WILMINGTON, NORTH CAROLINA

**OWNER:**  
 GEORGE E. SAUNDERS, III  
 1035 WRIGHTSVILLE BEACH, NC

**NORRIS & TUNSTALL**  
**CONSULTING ENGINEERS, P.C.**  
 1127 FLORAL PARKWAY, SUITE 400  
 WILMINGTON, NC 28403  
 PHONE (910) 343-9653  
 FAX (910) 343-9604  
 N&T LICENSE NO. C-3641

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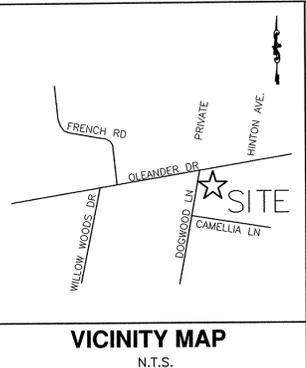
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CKD.	JPN
DRWN.	EDB
DATE	03/27/14



**FOR PERMIT ONLY**  
**DO NOT USE FOR**  
**CONSTRUCTION**

**C0**





**STORMWATER MANAGEMENT PLAN**  
**APPROVED**  
 CITY OF WILMINGTON  
 ENGINEERING DEPARTMENT  
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 SIGNED \_\_\_\_\_

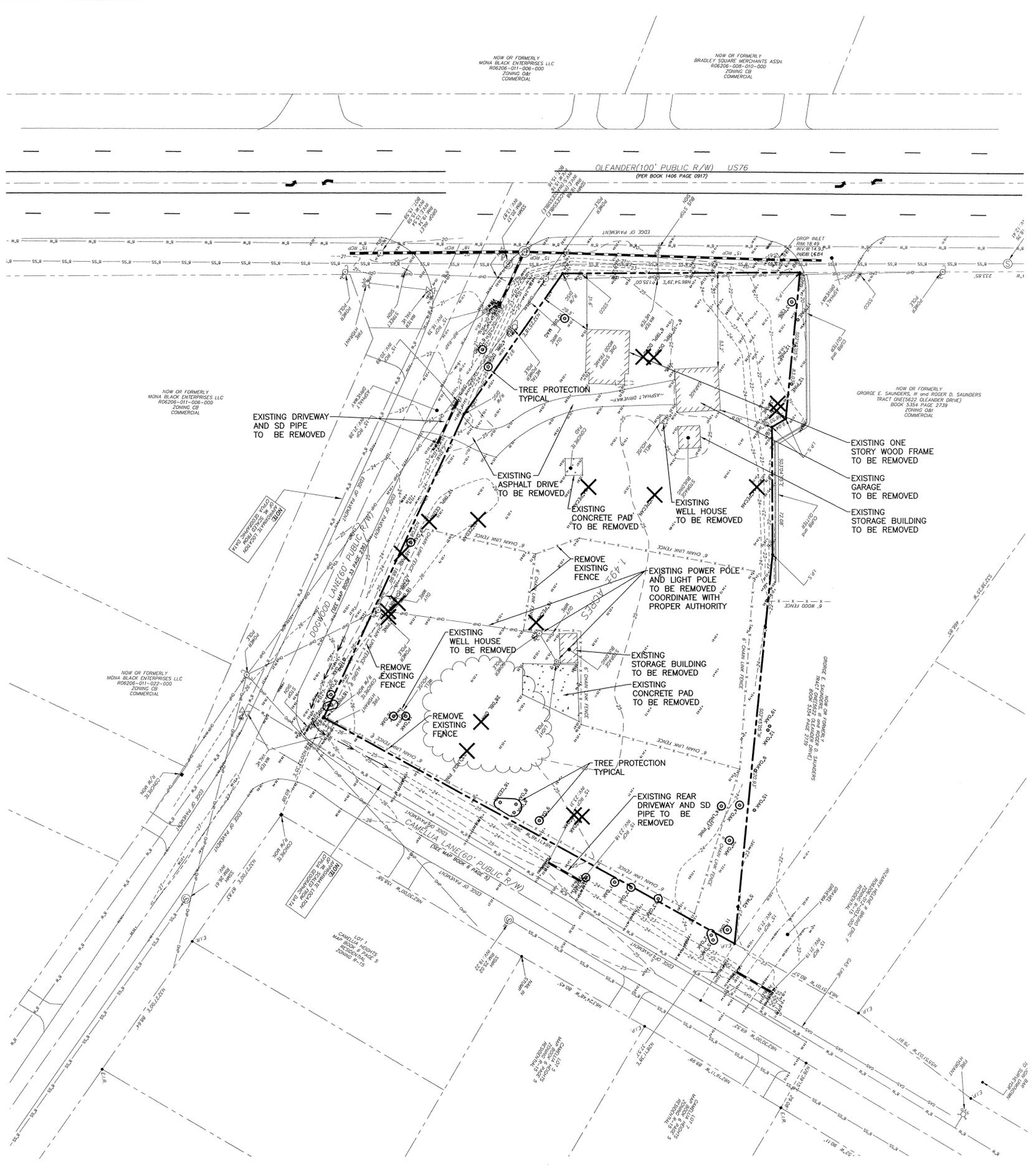
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**APPROVED**  
 CITY OF WILMINGTON  
 STORMWATER DISCHARGE  
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**Approved Construction Plan**  
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 Planning \_\_\_\_\_  
 Traffic \_\_\_\_\_  
 Fire \_\_\_\_\_

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 and/or project acceptance.

1 inch

- NOTES:
1. PROTECT THE EXISTING SANITARY SEWER MAIN, WATERMAIN, FIRE HYDRANT, STORMDRAIN SYSTEM, PAVEMENT AND TREES TO REMAIN AS SHOWN ON THIS PLAN.
  2. ALL OTHER BUILDINGS, FOUNDATIONS, PAVEMENT, CURBING, DRAINAGE SYSTEM, WATER AND SEWER SERVICES, CONCRETE SIDEWALKS, LIGHTS, ELECTRICAL PANELS, POOL AND TRESS TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
  3. COORDINATE WITH CAPE FEAR PUBLIC UTILITY AUTHORITY BEFORE DISCONNECTING ALL WATER AND SEWER SERVICES.
  4. COORDINATE WITH LOCAL POWER, TELEPHONE, CABLE AND GAS COMPANIES BEFORE REMOVING ANY OF THEIR SERVICES.
  5. INSTALL TEMPORARY SILT FENCE AS SHOWN ON SHEET C4 AND INLET PROTECTION AS SHOWN ON THIS DRAWING.



TREE DESCRIPTION	SAVE/REMOVE
6" TRPL DGWD	REMOVE
6"-10" TRPL DGWD	REMOVE
8" DBL CHERRY	REMOVE
9" OAK	REMOVE
10" OAK	REMOVE
12" TRPL CEDAR	REMOVE
14" PINE	REMOVE
14" PECAN	REMOVE
16" PECAN	REMOVE
17" PECAN	REMOVE
18" OAK	REMOVE
23" PINE	REMOVE
23" LINGL PINE	REMOVE
24" PECAN	REMOVE
28" DBLOAK	REMOVE
31" PINE	REMOVE
32" CEDAR	REMOVE
5" MAG	SAVE
8" OAK	SAVE
8" OAK	SAVE
9" OAK	SAVE
9" OAK	SAVE
10" DBL MAG	SAVE
11" OAK	SAVE
13" PINE	SAVE
13" OAK	SAVE
14" OAK	SAVE
15" OAK	SAVE
16" OAK	SAVE
16" CEDAR	SAVE
18" PINE	SAVE
20" OAK	SAVE
24" LINGL PINE	SAVE

**LEGEND**

---	PROPERTY LINE
- - - -	RIGHT OF WAY
- - - - 25' - - - -	EXISTING CONTOUR
- X - X -	EXISTING FENCE
- GAS - GAS -	EXISTING GAS
- - - - -	EXISTING STORMDRAIN
- 8"SS - 8"SS - 8"SS -	EXISTING 8" SEWERMAIN
- 8"W - 8"W -	EXISTING 8" WATERMAIN
x 23.23	EXISTING SPOT ELEVATION
9'0" O	TREE TO BE SAVED w/ TREE PROTECTION
28" DBL X	TREE TO BE REMOVED

SCALE: 1" = 30'

SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	

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**DEMOLITION / TREE REMOVAL PLAN**  
**DOLLAR GENERAL - DOGWOOD**  
**233 DOGWOOD LANE**  
**WILMINGTON, NORTH CAROLINA**

OWNER:  
 GEORGE E. SAUNDERS, III  
 PO BOX 1035  
 WRIGHTSVILLE BEACH, NC

**NORRIS & TUNSTALL**  
**CONSULTING ENGINEERS, P.C.**  
 1127 FLORAL PARKWAY, SUITE 400  
 WILMINGTON, NC, 28403  
 N&T LICENSE NO. C-3641  
 PHONE (910) 343-9653  
 FAX (910) 343-9604

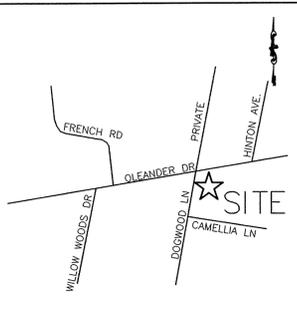
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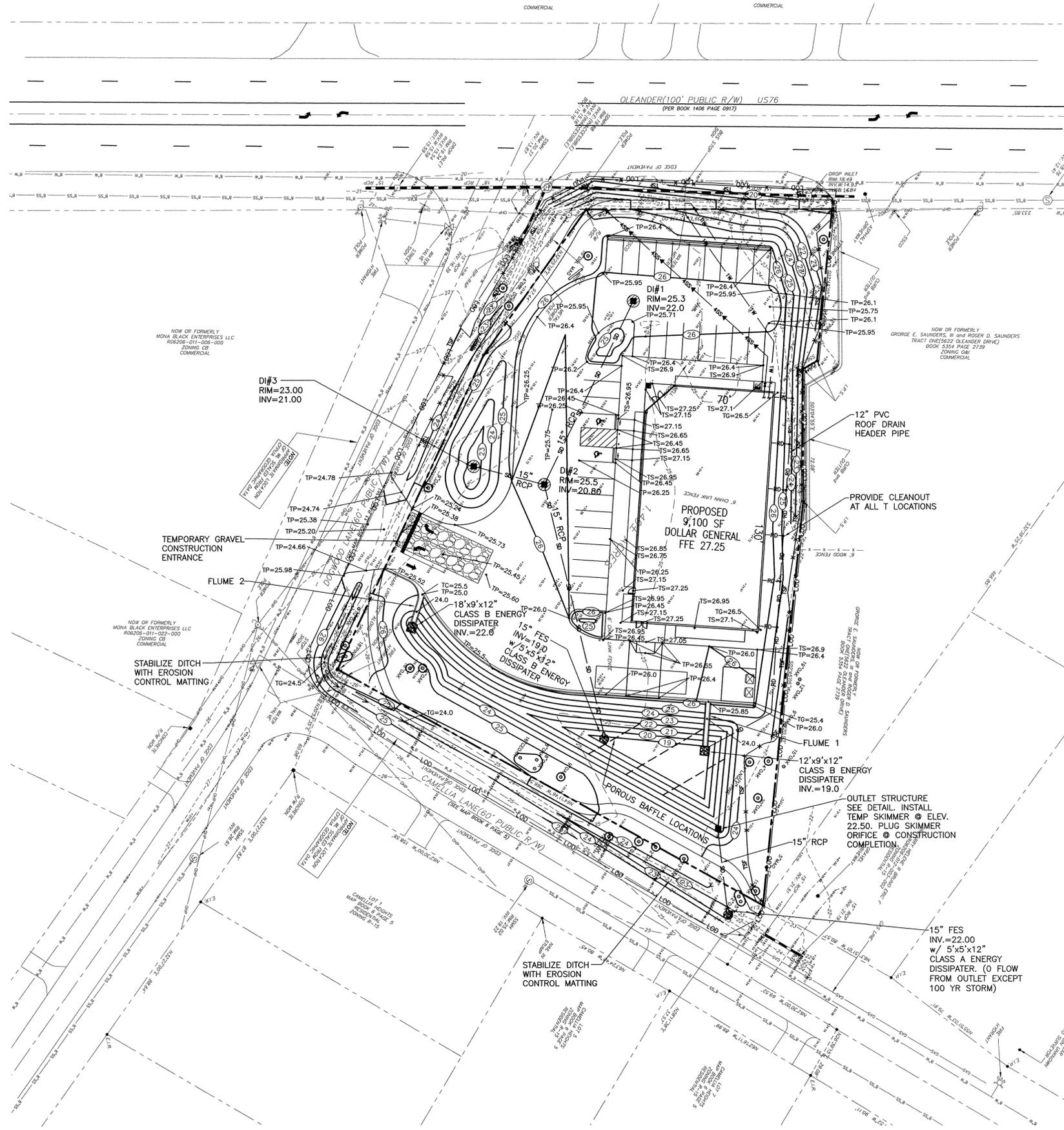
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 CKD. JPN  
 DRWN. EDB  
 DATE 03/27/14



**C2**



VICINITY MAP  
N.T.S.



STORMWATER MANAGEMENT PLAN  
**APPROVED**  
CITY OF WILMINGTON  
ENGINEERING DEPARTMENT  
DATE \_\_\_\_\_ PERMIT # \_\_\_\_\_  
SIGNED \_\_\_\_\_

DRAINAGE PLAN  
**APPROVED**  
CITY OF WILMINGTON  
STORMWATER DISCHARGE  
PERMIT NOT REQUIRED  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

Approved Construction Plan  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

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1 inch

LEGEND	
	PROPERTY LINE
	RIGHT OF WAY
	EXISTING CONTOUR
	EXISTING FENCE
	EXISTING GAS LINE
	EXISTING STORM DRAIN
	EXISTING 8" SEWER MAIN
	EXISTING 8" WATER MAIN
	EXISTING SPOT ELEVATION
	TEMPORARY SILT FENCE
	ROOF DRAIN
	DISTURBED AREA
	PROPOSED SWALE
	PROPOSED CONTOUR
	PROPOSED TOP OF PAVEMENT
	PROPOSED TOP OF CURB
	PROPOSED TOP OF SIDEWALK
	PROPOSED FINISH GRADE

SCALE: 1" = 30'



SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	

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**GRADING, DRAINAGE & EROSION  
CONTROL PLAN**  
DOLLAR GENERAL - DOGWOOD  
233 DOGWOOD LANE  
WILMINGTON, NORTH CAROLINA

OWNER:  
GEORGE E. SAUNDERS, III  
PO BOX 1035  
WRIGHTSVILLE BEACH, NC

NORRIS & TUNSTALL  
CONSULTING ENGINEERS, P.C.  
1127 FLORAL PARKWAY, SUITE 400  
WILMINGTON, NC 28403  
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N&T LICENSE NO. C-3641

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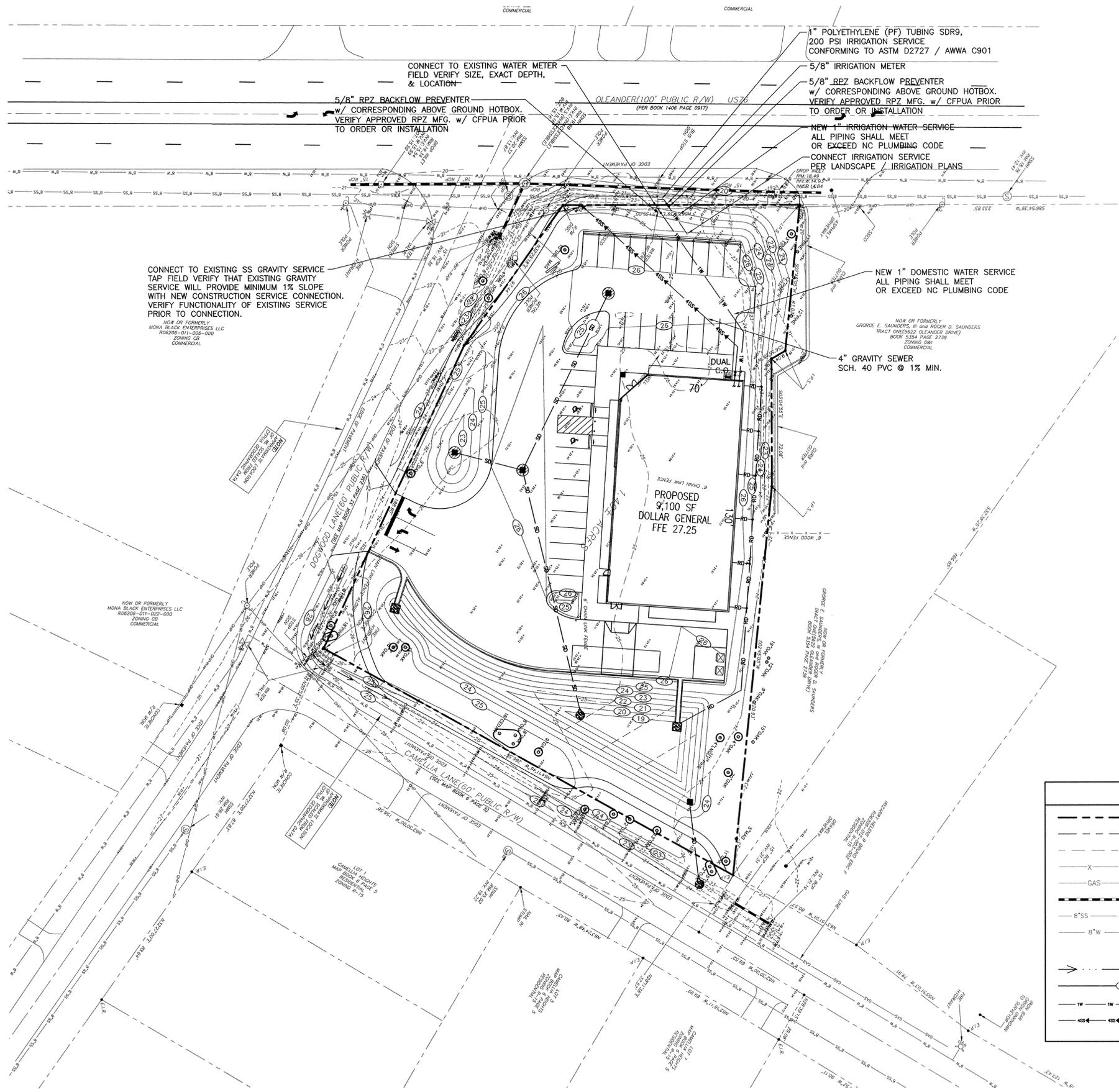
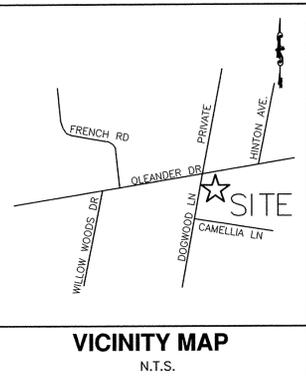
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CKD. JPN  
DRWN. EDB  
DATE 03/27/14



**C3**





STORMWATER MANAGEMENT PLAN  
**APPROVED**  
 CITY OF WILMINGTON  
 ENGINEERING DEPARTMENT  
 DATE \_\_\_\_\_ PERMIT # \_\_\_\_\_  
 SIGNED \_\_\_\_\_

DRAINAGE PLAN  
**APPROVED**  
 CITY OF WILMINGTON  
 STORMWATER DISCHARGE  
 PERMIT NOT REQUIRED  
 SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

Approved Construction Plan  
 Name \_\_\_\_\_ Date \_\_\_\_\_  
 Planning \_\_\_\_\_  
 Traffic \_\_\_\_\_  
 Fire \_\_\_\_\_

For each open utility cut of  
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 and/or project acceptance.

1 inch

LEGEND	
	PROPERTY LINE
	RIGHT OF WAY
	EXISTING CONTOUR
	EXISTING FENCE
	EXISTING GAS
	EXISTING STORMDRAIN
	EXISTING 8" SEWERMAIN
	EXISTING 8" WATERMAIN
	EXISTING SPOT ELEVATION
	PROPOSED SWALE
	PROPOSED CONTOUR
	PROPOSED 1" WATER LINE
	PROPOSED 4" GRAVITY SEWER

SCALE: 1" = 30'

SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	

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**UTILITY PLAN**  
**DOLLAR GENERAL - DOGWOOD**  
 233 DOGWOOD LANE  
 WILMINGTON, NORTH CAROLINA

OWNER:  
 GEORGE E. SAUNDERS, III  
 PO BOX 1035  
 WRIGHTSVILLE BEACH, NC

**NORRIS & TUNSTALL**  
 CONSULTING ENGINEERS, P.C.  
 1127 FLORAL PARKWAY, SUITE 400  
 WILMINGTON, NC, 28403  
 PHONE (910) 343-9653  
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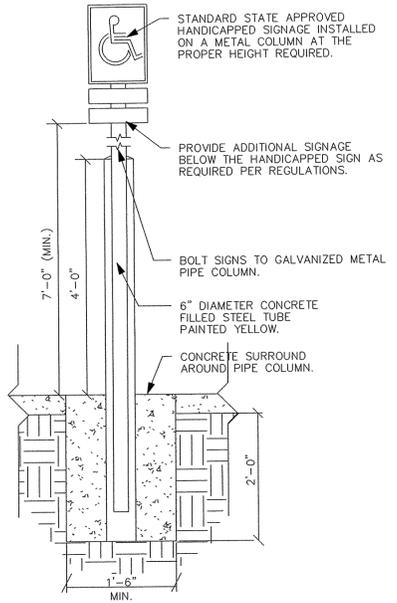
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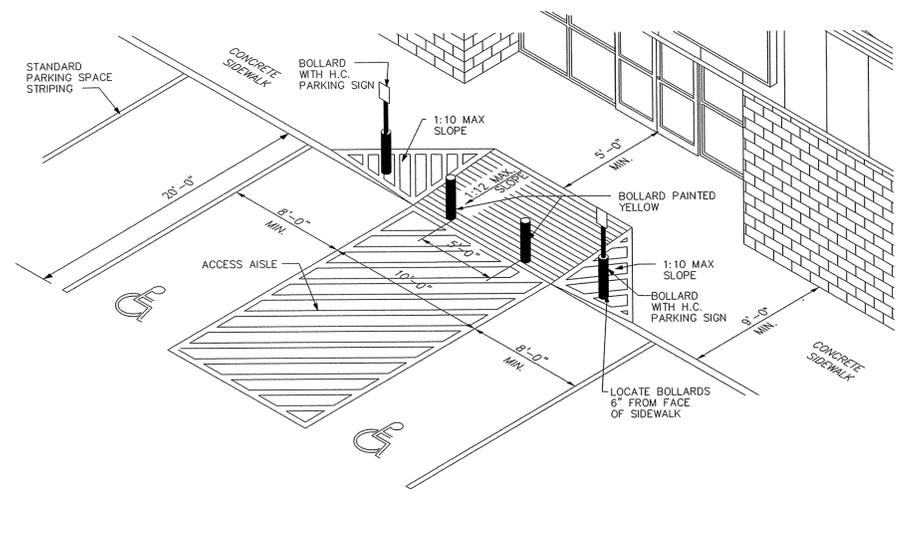


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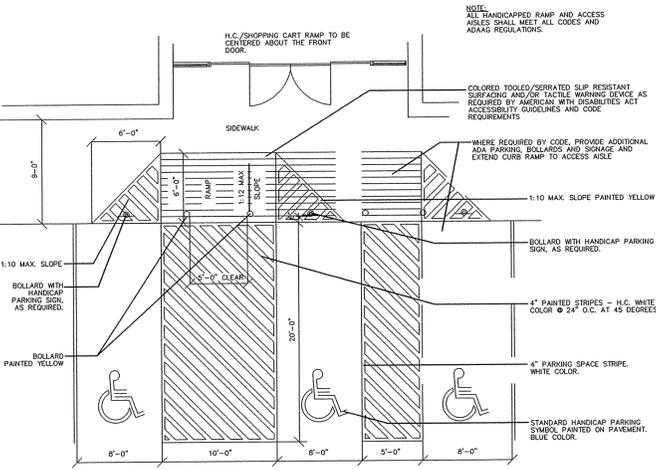




**HANDICAP PARKING SIGN DETAIL**  
NTS

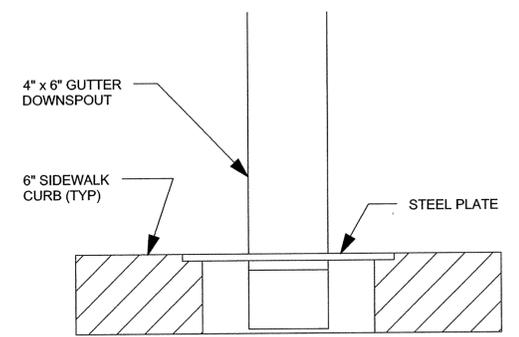


**HANDICAP PARKING, ACCESS RAMP AND ACCESS AISLE DETAILS**  
NTS

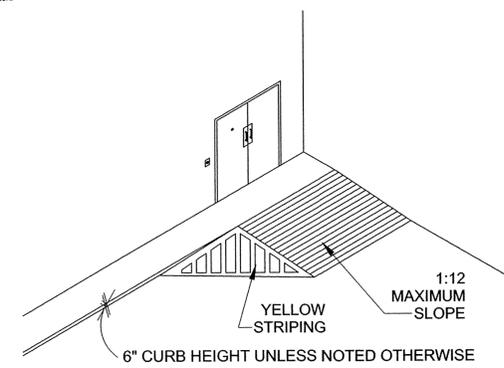


**HANDICAP PARKING DETAIL**  
NTS

NOTE: ALL STRIPING SHALL BE WHITE. HANDICAP SYMBOL MAY BE BLUE. (SEC. 18-529(b)(2) CITY OF WILMINGTON LAND DEVELOPMENT CODE)



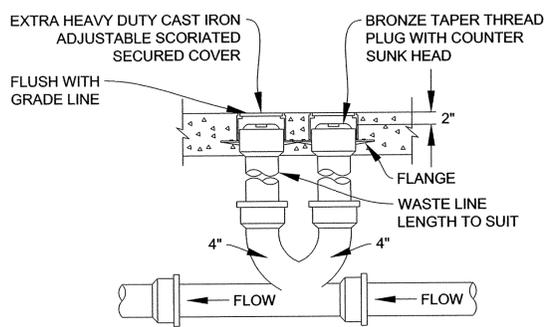
**GUTTER DOWNSPOUT DETAIL AT SIDEWALK**  
NTS



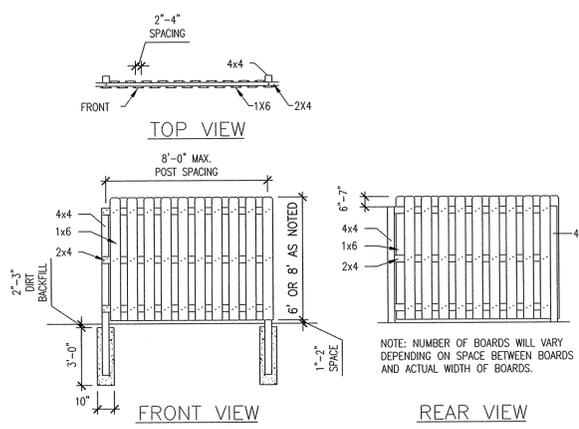
**LOADING RAMP DETAIL**  
NTS

STRIPING LEGEND	
YELLOW CURBING AND BOLLARDS - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY AND METAL SURFACES FREE OF HEAVY RUST. 2 COATS SHERWIN WILLIAMS - NEM 4000 ACRYLIC ALKYL ENAMEL SAFETY YELLOW B951300
STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT YELLOW T16495
HANDICAP STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PRO MAR TRAFFIC MARKING PAINT "H.C." BLUE

CONTRACTOR IS RESPONSIBLE FOR ALL PUBLIC UTILITY CONNECTIONS (ELECTRIC, WATER, GAS, SEPTIC, SEWER) AS WELL AS PROVIDING ALL INFRASTRUCTURES REQUIRED BY UTILITY COMPANY

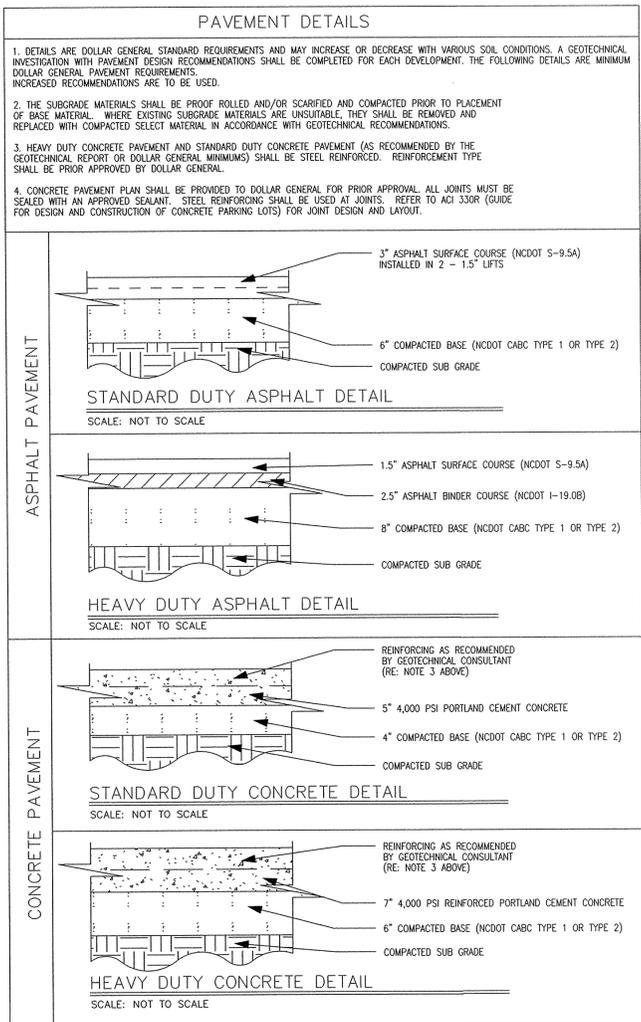


**2-WAY YARD CLEAN-OUT DETAIL**  
NTS



**STRAIGHT SHADOWBOX PRIVACY FENCING**  
TREATED PINE (USE GALVANIZED NAILS FOR FASTENING)

DESIGNER NOTE: IF AN UNOBSTRUCTED VIEW EXISTS OF A RESIDENTIAL BUILDING BETWEEN TENANT PARCEL AND ADJACENT PARCEL, THAN LESSOR SHALL CONSTRUCT A PRIVACY FENCE IN ACCORDANCE WITH TENANT'S CRITERIA SET PLANS AND ANY APPLICABLE GOVERNMENT REQUIREMENTS.



\* PAVEMENT SECTIONS HAVE BEEN EDITED TO REFLECT RECOMMENDATIONS PROVIDED BY TERRACON. SEE GEOTECHNICAL REPORT FOR ALL PAVING REQUIREMENTS.

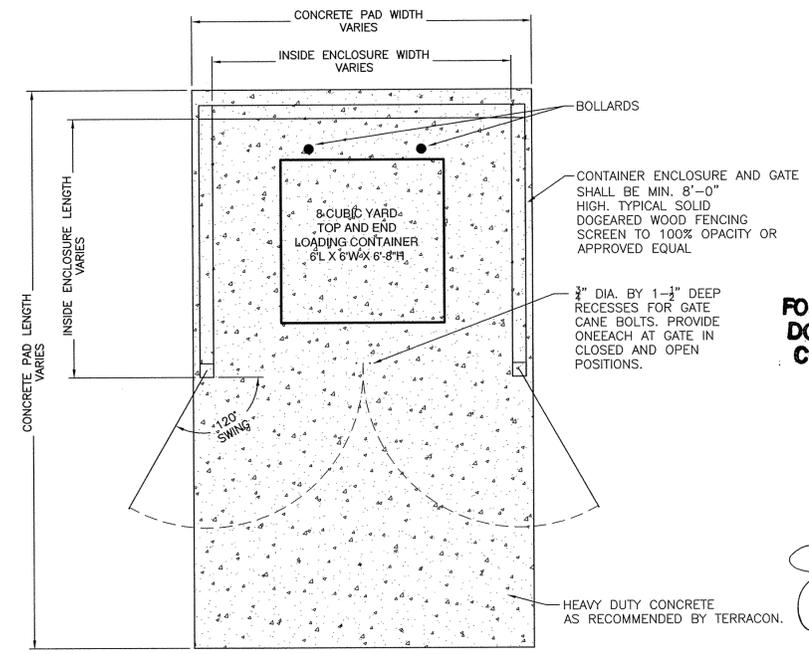
**STORMWATER MANAGEMENT PLAN**  
**APPROVED**  
CITY OF WILMINGTON  
ENGINEERING DEPARTMENT  
DATE \_\_\_\_\_ PERMIT # \_\_\_\_\_  
SIGNED \_\_\_\_\_

**DRAINAGE PLAN**  
**APPROVED**  
CITY OF WILMINGTON  
STORMWATER DISCHARGE  
PERMIT NOT REQUIRED  
SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**Approved Construction Plan**  
Name \_\_\_\_\_ Date \_\_\_\_\_  
Planning \_\_\_\_\_  
Traffic \_\_\_\_\_  
Fire \_\_\_\_\_

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1 inch



**TYPICAL CONTAINER ENCLOSURE PLAN**  
NTS

NOTE: DUMPSTER PAD AND ENCLOSURE VARY DEPENDING UPON CONTAINER REQUIREMENTS PER DOLLAR GENERAL. CONTRACTOR SHALL PROVIDE SCREENING SO THAT PROPER CLEARANCES ARE MAINTAINED TO ALLOW LOADING & UNLOADING OF CONTAINER.

BY	DESCRIPTION	DATE	SYMBOL
	REVISIONS		

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**DETAILS**  
**DOLLAR GENERAL - DOGWOOD**  
233 DOGWOOD LANE  
WILMINGTON, NORTH CAROLINA

OWNER:  
GEORGE SAUNDERS, III  
DOUGLASVILLE  
WRIGHTSVILLE BEACH, NC

**NORRIS & TUNSTALL**  
**CONSULTING ENGINEERS, P.C.**  
1127 FLORAL PARKWAY, SUITE 400  
WILMINGTON, NC, 28403  
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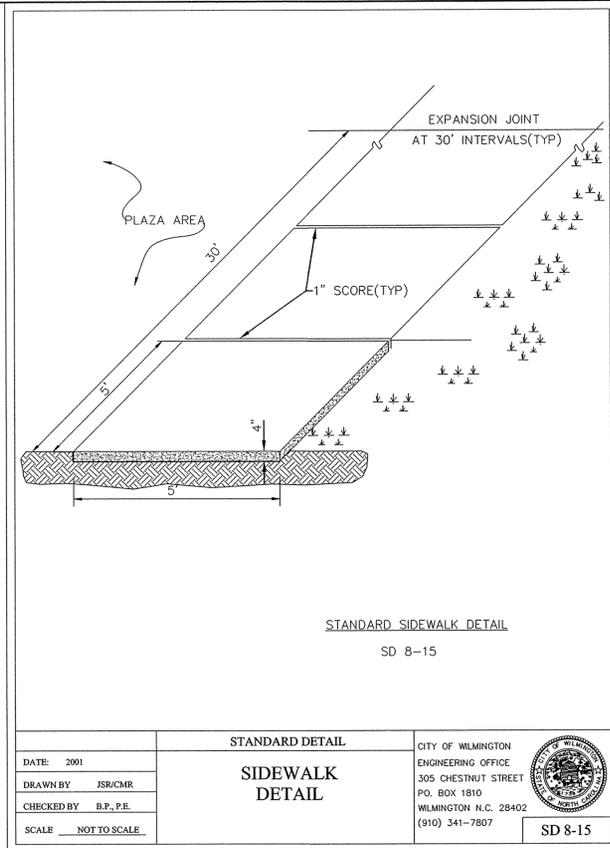
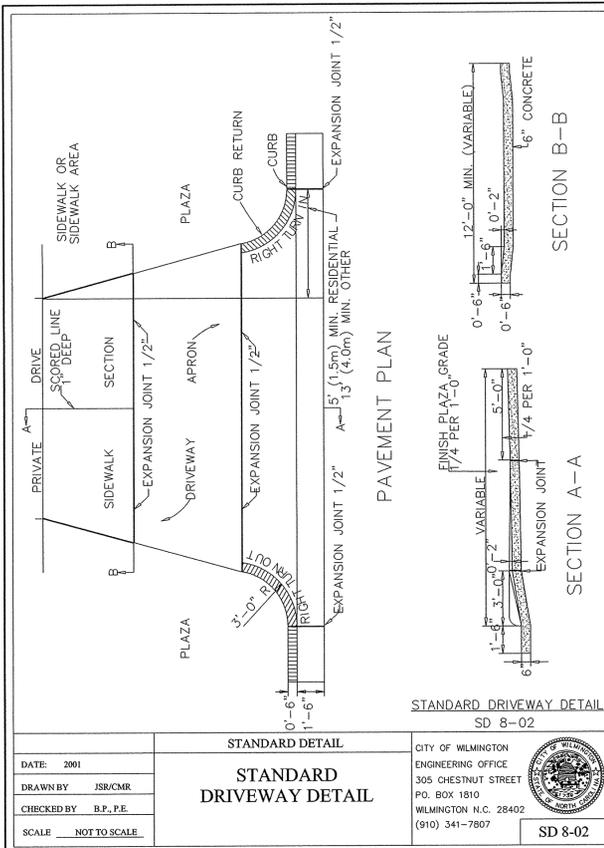
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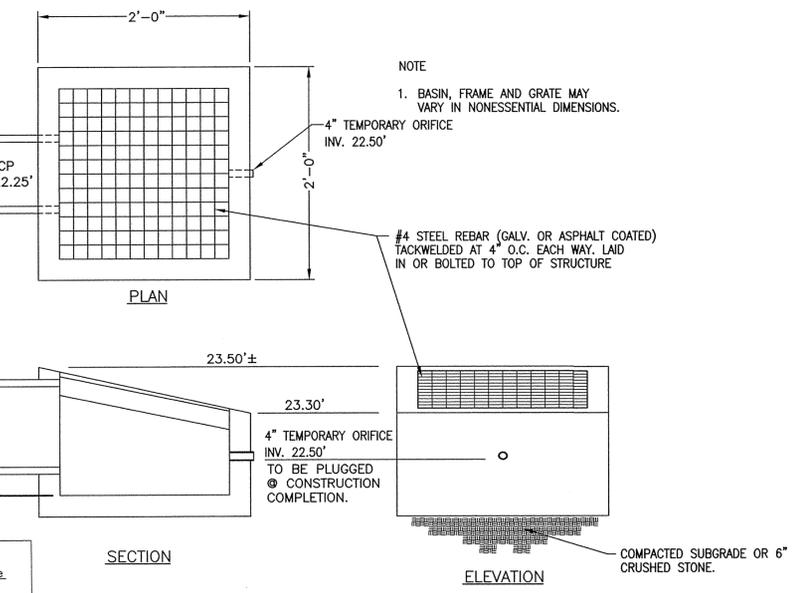


**STORMWATER MANAGEMENT PLAN APPROVED**  
 CITY OF WILMINGTON  
 ENGINEERING DEPARTMENT  
 DATE \_\_\_\_\_ PERMIT # \_\_\_\_\_  
 SIGNED \_\_\_\_\_

**DRAINAGE PLAN APPROVED**  
 CITY OF WILMINGTON  
 STORMWATER DISCHARGE PERMIT NOT REQUIRED  
 SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

**Approved Construction Plan**  
 Name \_\_\_\_\_ Date \_\_\_\_\_  
 Planning \_\_\_\_\_  
 Traffic \_\_\_\_\_  
 Fire \_\_\_\_\_

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**OUTLET STRUCTURE NTS**  
 NOTE: ADJUST BACK OF OUTLET STRUCTURE TO WHOLLY CONTAIN OUTLET PIPE.

**BAFFLE CONSTRUCTION SPECIFICATION**

1. Grade the basin so that the bottom is level front to back and side to side.
2. Install posts or saw horses across the width of the sediment trap (Practice 6.62, *Sediment Fence*).
3. Steel posts should be driven to a depth of 24 inches, spaced a maximum of 4 feet apart, and installed up the sides of the basin as well. The top of the fabric should be 6 inches higher than the invert of the spillway. Tops of baffles should be 2 inches lower than the top of the berms.
4. Install at least three rows of baffles between the inlet and outlet discharge point. Baffles less than 20 feet in length may use 2 baffles.
5. When using posts, add a support wire or rope across the top of the measure to prevent sagging.
6. Wrap porous material, like jute backed by coir material, over a sawhorse or the top wire. Hammer rebar into the sawhorse legs for anchoring. The fabric should have five to ten percent openings in the weave. Attach fabric to a rope and a support structure with zip ties, wire, or staples.
7. The bottom and sides of the fabric should be anchored in a trench or pinned with 8-inch erosion control matting staples.
8. Do not splice the fabric, but use a continuous piece across the basin.

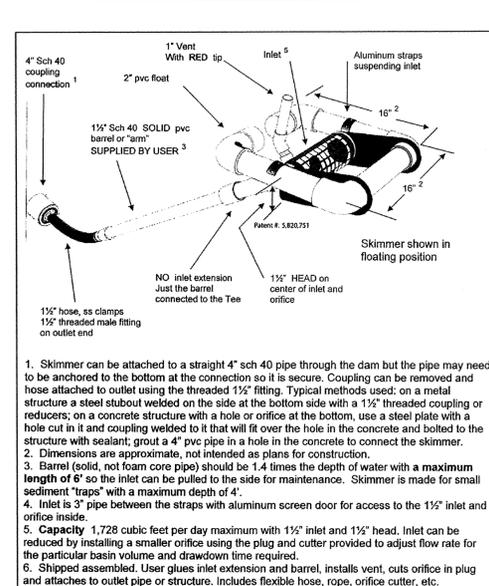
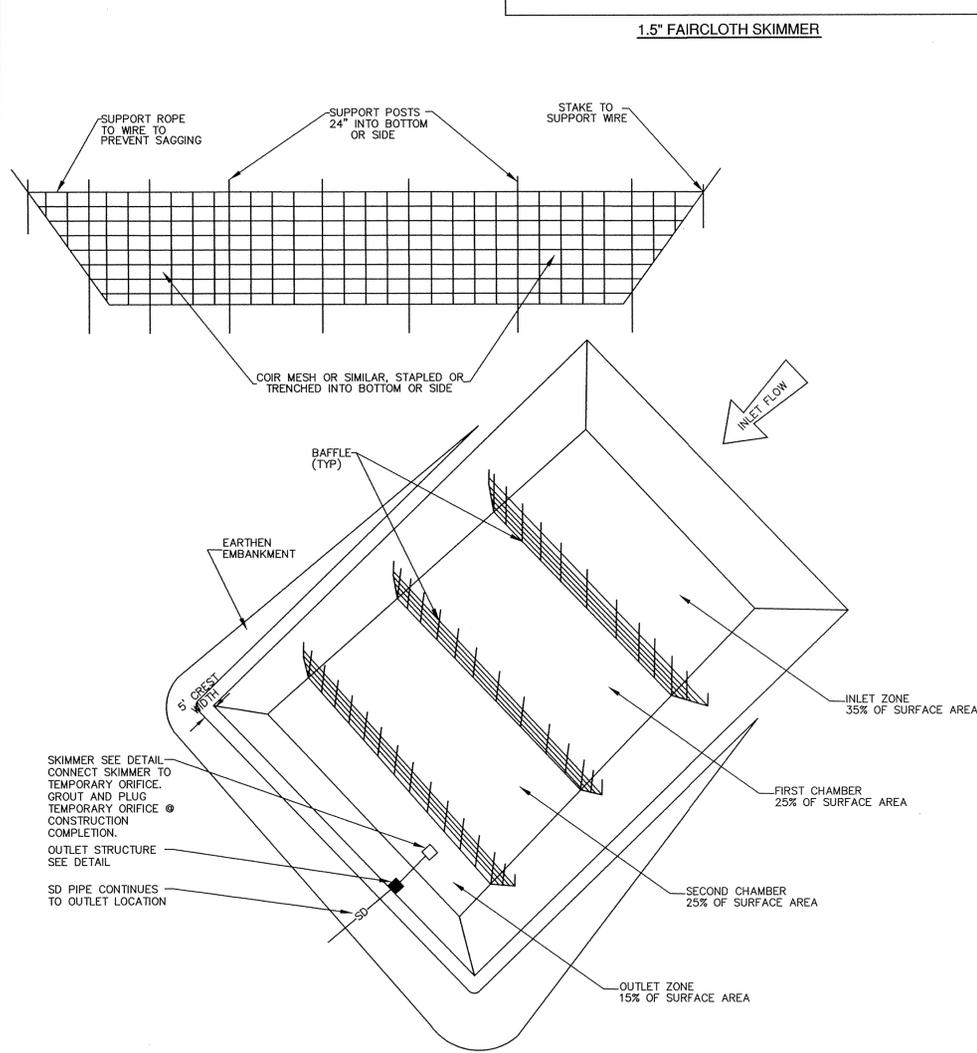
**MAINTENANCE**

Inspect baffles at least once a week and after each rainfall. Make any required repairs immediately.

Be sure to maintain access to the baffles. Should the fabric of a baffle collapse, tear, decompose, or become ineffective, replace it promptly.

Remove sediment deposits when it reaches half full to provide adequate storage volume for the next rain and to reduce pressure on the baffles. Take care to avoid damaging the baffles during cleanout. Sediment depth should never exceed half the designed storage depth.

After the contributing drainage area has been properly stabilized, remove all baffle materials and unstable sediment deposits, bring the area to grade, and stabilize it.



1. Skimmer can be attached to a straight 4" sch 40 pipe through the dam but the pipe may need to be anchored to the bottom at the connection so it is secure. Coupling can be removed and hose attached to outlet using the threaded 1 1/2" fitting. Typical methods used: on a metal structure a steel stubout welded on the side at the bottom side with a 1 1/2" threaded coupling or reducers; on a concrete structure with a hole or orifice at the bottom, use a steel plate with a hole cut in it and coupling welded to it that will fit over the hole in the concrete and connect the skimmer.

2. Dimensions are approximate, not intended as plans for construction.

3. Barrel (solid, not foam core pipe) should be 1.4 times the depth of water with a maximum length of 6' so the inlet can be pulled to the side for maintenance. Skimmer is made for small sediment 'traps' with a maximum depth of 4'.

4. Inlet is 3" pipe between the straps with aluminum screen door for access to the 1 1/2" inlet and orifice inside.

5. Capacity 1,728 cubic feet per day maximum with 1 1/2" inlet and 1 1/2" head. Inlet can be reduced by installing a smaller orifice using the plug and cutter provided to adjust flow rate for the particular basin volume and drawdown time required.

6. Shipped assembled. User glues inlet extension and barrel, installs vent, cuts orifice in plug and attaches to outlet pipe or structure. Includes flexible hose, rope, orifice cutter, etc.

**SKIMMER BASIN CONSTRUCTION SPECIFICATION**

1. Clear, grub, and strip the area under the embankment of all vegetation and root mat. Remove all surface soil containing high amounts of organic matter and stockpile or dispose of it properly. Haul all objectionable material to the designated disposal area. Place temporary sediment control measures below basin as needed.
2. Ensure that fill material for the embankment is free of roots, woody vegetation, organic matter, and other objectionable material. Place the fill in lifts not to exceed 9 inches, and machine compact it. Over fill the embankment 6 inches to allow for settlement.
3. Shape the basin to the specified dimensions. Prevent the skimming device from settling into the mud by excavating a shallow pit under the skimmer or providing a low support under the skimmer of stone or timber.
4. Place the barrel (typically 4-inch Schedule 40 PVC pipe) on a firm, smooth foundation of impervious soil. Do not use pervious material such as sand, gravel, or crushed stone as backfill around the pipe. Place the fill material around the pipe spillway in 4-inch layers and compact it under and around the pipe to at least the same density as the adjacent embankment. Care must be taken not to raise the pipe from the firm contact with its foundation when compacting under the pipe haunches.

Place a minimum depth of 2 feet of compacted backfill over the pipe spillway before crossing it with construction equipment. In no case should the pipe conduit be installed by cutting a trench through the dam after the embankment is complete.

5. Assemble the skimmer following the manufacturers instructions, or as designed.
6. Lay the assembled skimmer on the bottom of the basin with the flexible joint at the inlet of the barrel pipe. Attach the flexible joint to the barrel pipe and position the skimmer over the excavated pit or support. Be sure to attach a rope to the skimmer and anchor it to the side of the basin. This will be used to pull the skimmer to the side for maintenance.
7. Earthen spillways—Install the spillway in undisturbed soil to the greatest extent possible. The achievement of planned elevations, grade, design width, and entrance and exit channel slopes are critical to the successful operation of the spillway. The spillway should be lined with laminated plastic or impermeable geotextile fabric. The fabric must be wide and long enough to cover the bottom and sides and extend onto the top of the dam for anchoring in a trench. The edges may be secured with 8-inch staples or pins. The fabric must be long enough to extend down the slope and exit onto stable ground. The width of the fabric must be one piece, not joined or spliced; otherwise water can get under the fabric. If the length of the fabric is insufficient for the entire length of the spillway, multiple sections, spanning the complete width, may be used. The upper section(s) should overlap the lower section(s) so that water cannot flow under the fabric. Secure the upper edge and sides of the fabric in a trench with staples or pins. (Adapted from "A Manual for Designing, Installing and Maintaining Skimmer Sediment Basins." February, 1999. J. W. Faircloth & Son.)
8. Inlets—Discharge water into the basin in a manner to prevent erosion. Use temporary slope drains or diversions with outlet protection to divert sediment-laden water to the upper end of the pool area to improve basin trap efficiency (References: *Runoff Control Measures and Outlet Protection*).
9. Erosion control—Construct the structure so that the disturbed area is minimized. Divert surface water away from bare areas. Complete the embankment before the area is cleared. Stabilize the emergency spillway embankment and all other disturbed areas above the crest of the principal spillway immediately after construction (References: *Surface Stabilization*).
10. Install porous baffles as specified in Practice 6.65, *Porous Baffles*.
11. After all the sediment-producing areas have been permanently stabilized, remove the structure and all the unstable sediment. Smooth the area to blend with the adjoining areas and stabilize properly (References: *Surface Stabilization*).

**MAINTENANCE**

Inspect skimmer sediment basins at least weekly and after each significant (one-half inch or greater) rainfall event and repair immediately. Remove sediment and restore the basin to its original dimensions when sediment accumulates to one-half the height of the first baffle. Pull the skimmer to one side so that the sediment underneath it can be excavated. Excavate the sediment from the entire basin, not just around the skimmer or the first cell. Make sure vegetation growing in the bottom of the basin does not hold down the skimmer.

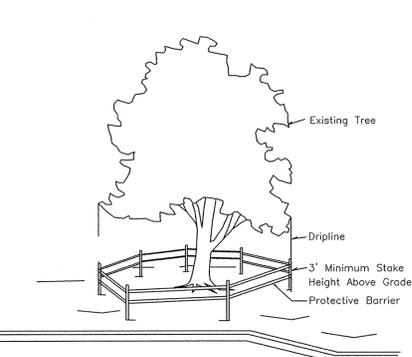
Repair the baffles if they are damaged. Re-anchor the baffles if water is flowing underneath or around them.

If the skimmer is clogged with trash and there is water in the basin, usually jerking on the rope will make the skimmer bob up and down and dislodge the debris and restore flow. If this does not work, pull the skimmer over to the side of the basin and remove the debris. Also check the orifice inside the skimmer to see if it is clogged; if so remove the debris.

If the skimmer arm or barrel pipe is clogged, the orifice can be removed and the obstruction cleared with a plumber's snake or by flushing with water. Be sure and replace the orifice before repositioning the skimmer.

Check the fabric lined spillway for damage and make any required repairs with fabric that spans the full width of the spillway. Check the embankment, spillways, and outlet for erosion damage, and inspect the embankment for piping and settlement. Make all necessary repairs immediately. Remove all trash and other debris from the skimmer and pool areas.

Freezing weather can result in ice forming in the basin. Some special precautions should be taken in the winter to prevent the skimmer from plugging with ice.



**Clearly mark the trees to be saved prior to construction and erect a protective barrier at the dripline.**

**DRIPLINE—THE AREA OF SOIL DIRECTLY BENEATH THE TREE EXTENDING OUT TO THE TIPS OF THE OUTERMOST BRANCHES.**

**TREE PROTECTION SIGNAGE SHOULD READ "TREE PROTECTION AREA, DO NOT ENTER", PRINTED IN ENGLISH AND SPANISH. SIGNS SHOULD BE SECURELY ATTACHED TO FENCING, AND PLACED AT 50 FOOT INTERVALS WITH NO LESS THAN TWO (2) SIGNS PER TREE PROTECTION AREA.**

SYMBOL	DATE	DESCRIPTION
		REVISIONS

**DETAILS**  
**DOLLAR GENERAL - DOGWOOD**  
**DOGWOOD LANE**  
**WILMINGTON, NORTH CAROLINA**

**OWNER:**  
 GEORGE E SAUNDERS, III  
 PO BOX 1035  
 WRIGHTSVILLE BEACH, NC

**NORRIS & TUNSTALL**  
**CONSULTING ENGINEERS, P.C.**  
 1127 FLORAL PARKWAY, SUITE 400  
 WILMINGTON, NC 28403  
 N&T LICENSE NO. C-3641

PHONE (910) 343-9653  
 FAX (910) 343-9804

**FOR PERMIT ONLY**  
**DO NOT USE FOR CONSTRUCTION**

**13044**  
 DES. JKB  
 CKD. JPN  
 DRWN. EDB  
 DATE 03/27/14



**C8**